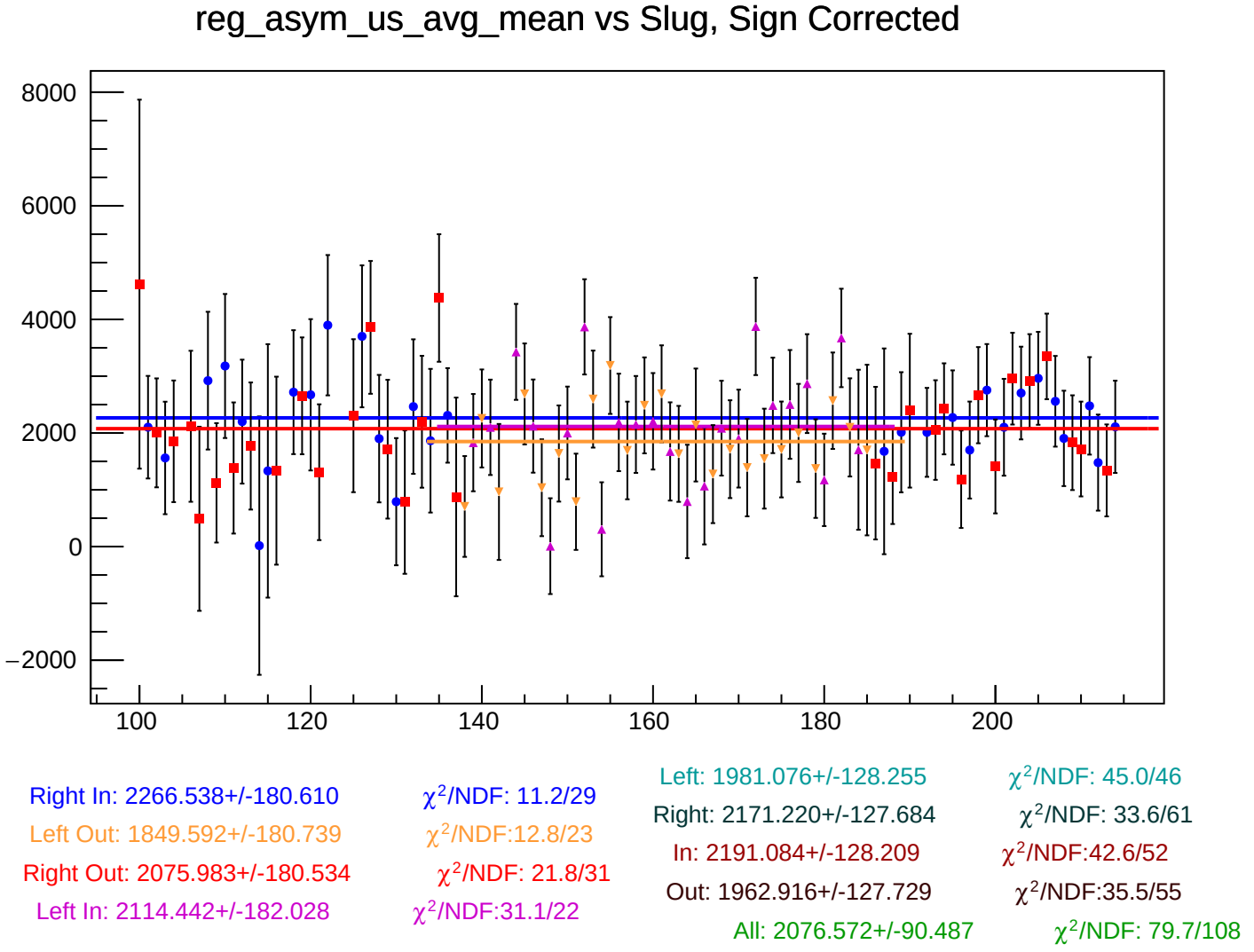
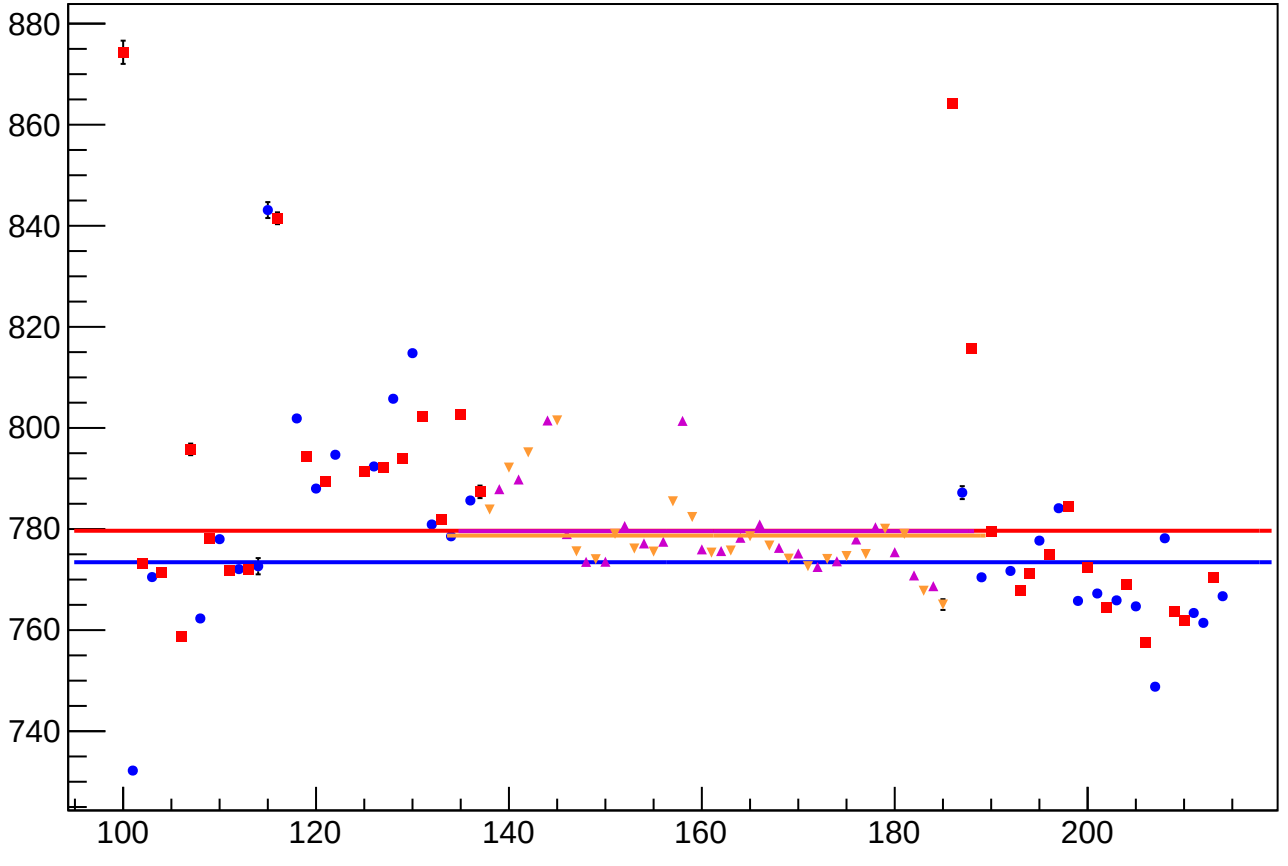

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 2266.538+/-180.610
χ²/NDF: 11.2/29
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2075.983+/-180.534
χ²/NDF: 21.8/31
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2171.220+/-127.684
χ²/NDF: 33.6/61
In: 2191.084+/-128.209
χ²/NDF:42.6/52
Out: 1962.916+/-127.729
χ²/NDF:35.5/55
All: 2076.572+/-90.487
χ²/NDF: 79.7/108

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

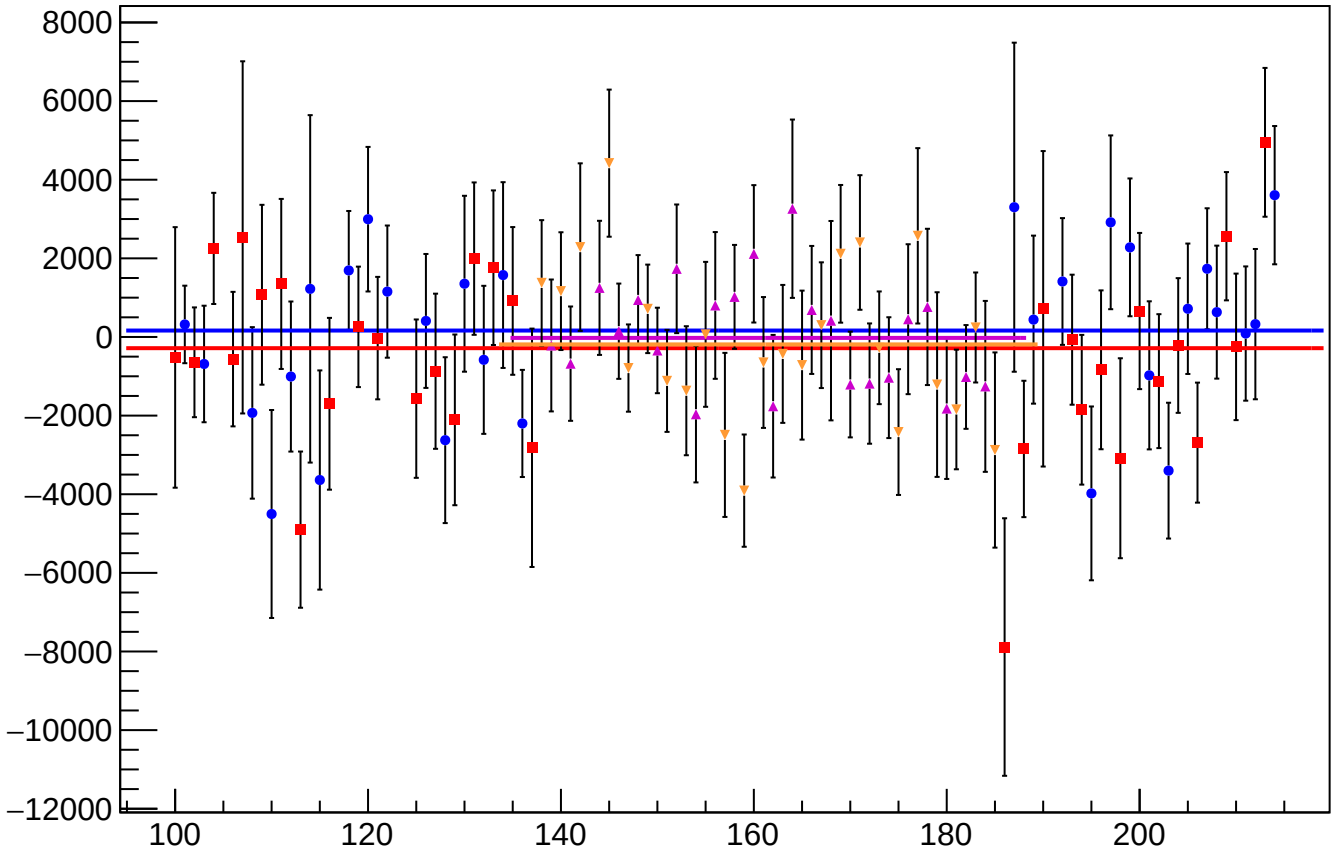
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 776.548+/-0.090 χ^2/NDF: 44589.3/61

In: 776.480+/-0.091 χ^2/NDF:23210.2/52

Out: 779.184+/-0.090 χ^2/NDF:28927.9/55

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



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

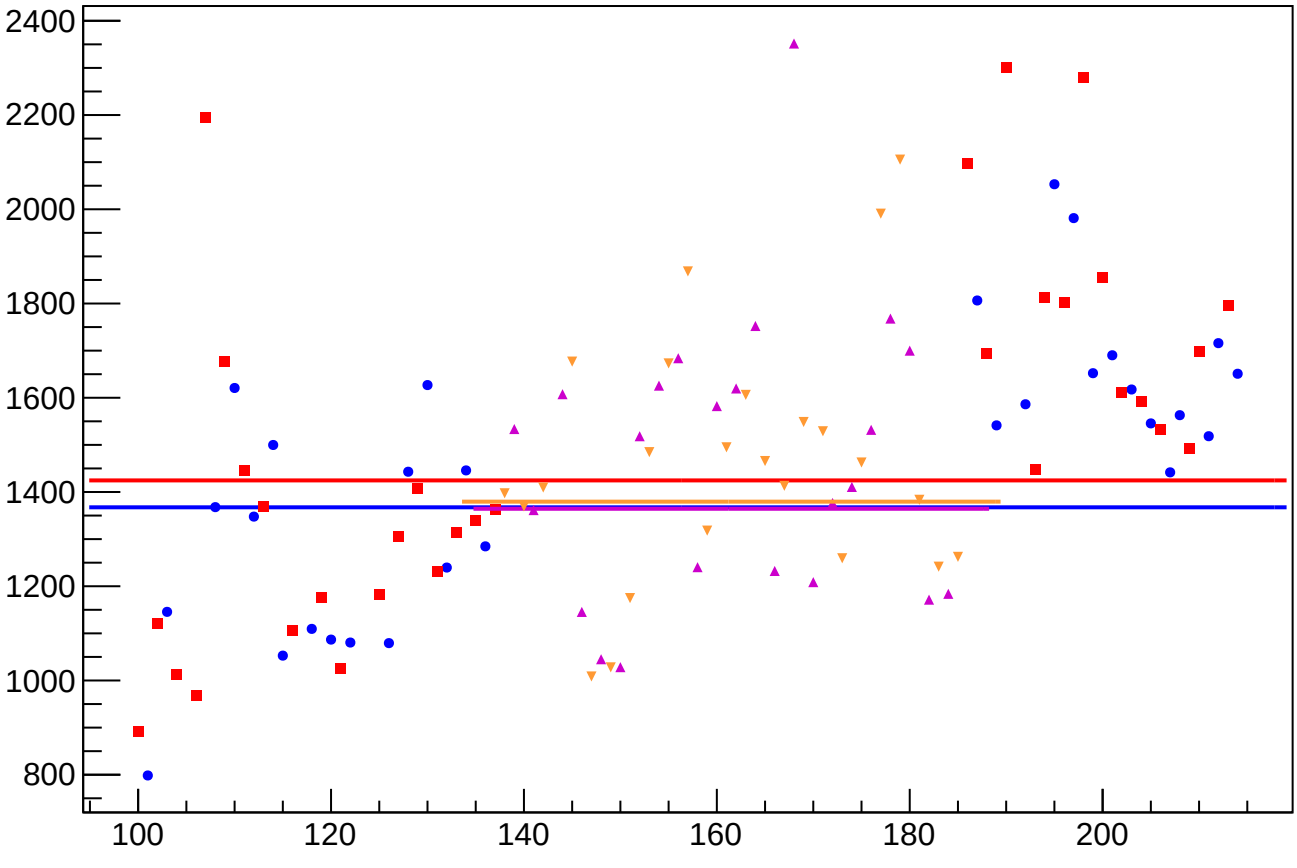
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -53.535+/-236.297 χ^2/NDF: 72.9/61

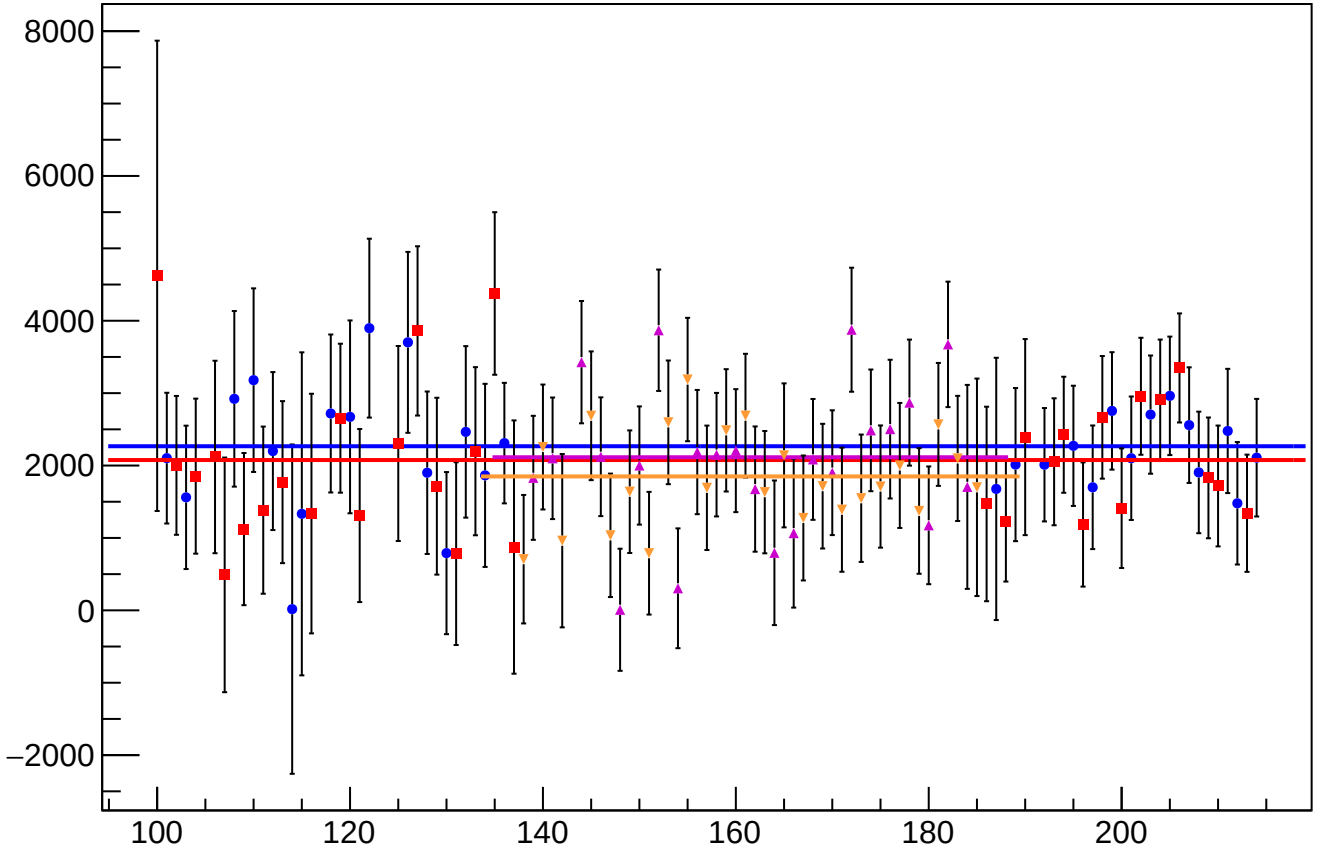
In: 69.064+/-231.522 χ^2/NDF:47.0/52

Out: -235.232+/-235.783 χ^2/NDF:68.3/55

All: -80.310+/-165.197 χ^2/NDF: 116.1/108


asym_us_avg_reg_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 1367.512+/-0.233 χ²/NDF: 1786007.0/29
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1424.610+/-0.240 χ²/NDF: 1716266.4/31
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1395.167+/-0.167 χ²/NDF: 3531439.2/61
In: 1365.947+/-0.164 χ²/NDF:3098396.2/52
Out: 1401.272+/-0.167 χ²/NDF:2892984.5/55
All: 1383.287+/-0.117 χ²/NDF: 6014236.7/10

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

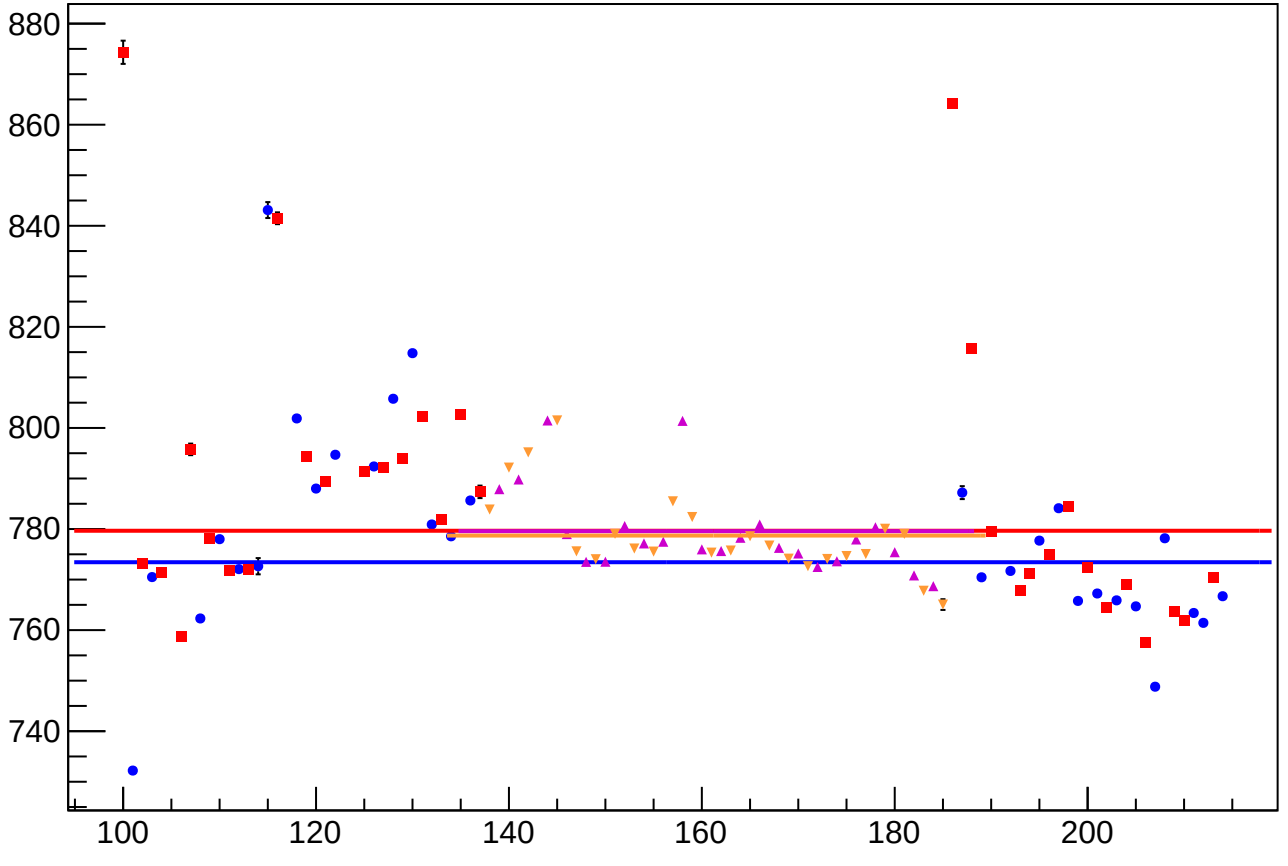
Right: 2171.220+/-127.684 χ^2/NDF: 33.6/61

In: 2191.084+/-128.209 χ^2/NDF:42.6/52

Out: 1962.916+/-127.729 χ^2/NDF:35.5/55

All: 2076.572+/-90.487 χ^2/NDF: 79.7/108

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

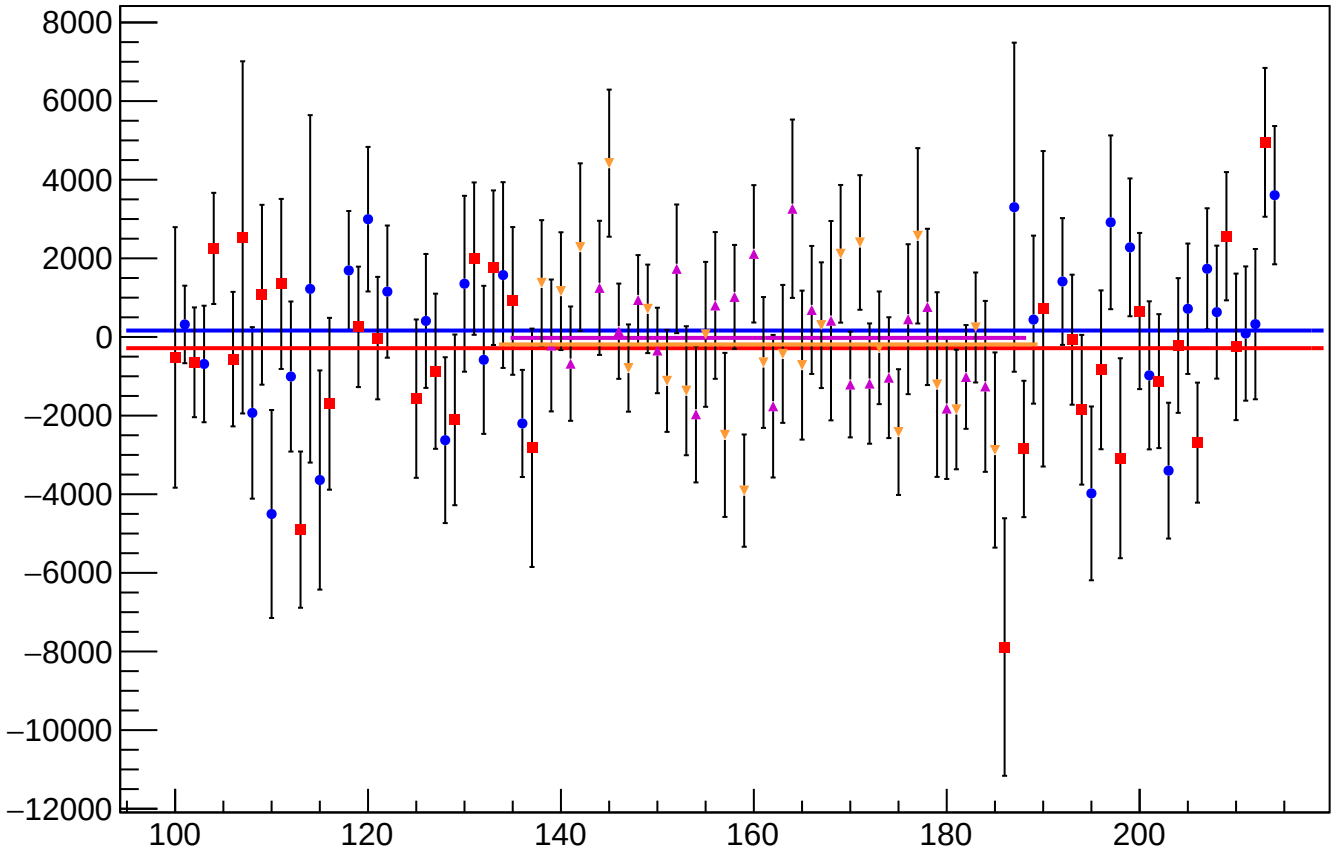
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 776.548+/-0.090 χ^2/NDF: 44589.3/61

In: 776.480+/-0.091 χ^2/NDF:23210.2/52

Out: 779.184+/-0.090 χ^2/NDF:28927.9/55

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



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

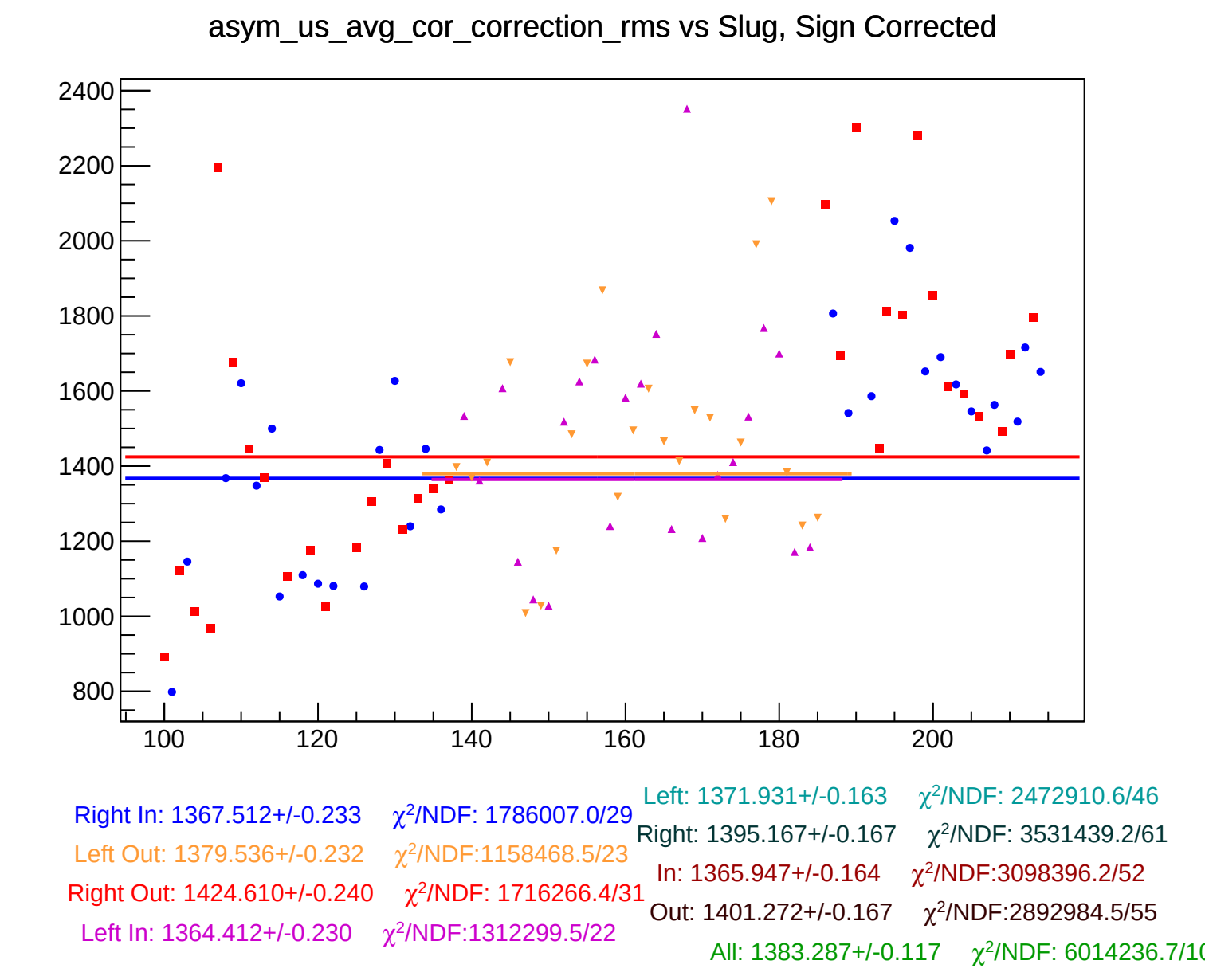
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -53.535+/-236.297 χ^2/NDF: 72.9/61

In: 69.064+/-231.522 χ^2/NDF:47.0/52

Out: -235.232+/-235.783 χ^2/NDF:68.3/55

All: -80.310+/-165.197 χ^2/NDF: 116.1/108


asym_us_avg_cor_correction_rms vs Slug, Sign Corrected
2400
2200
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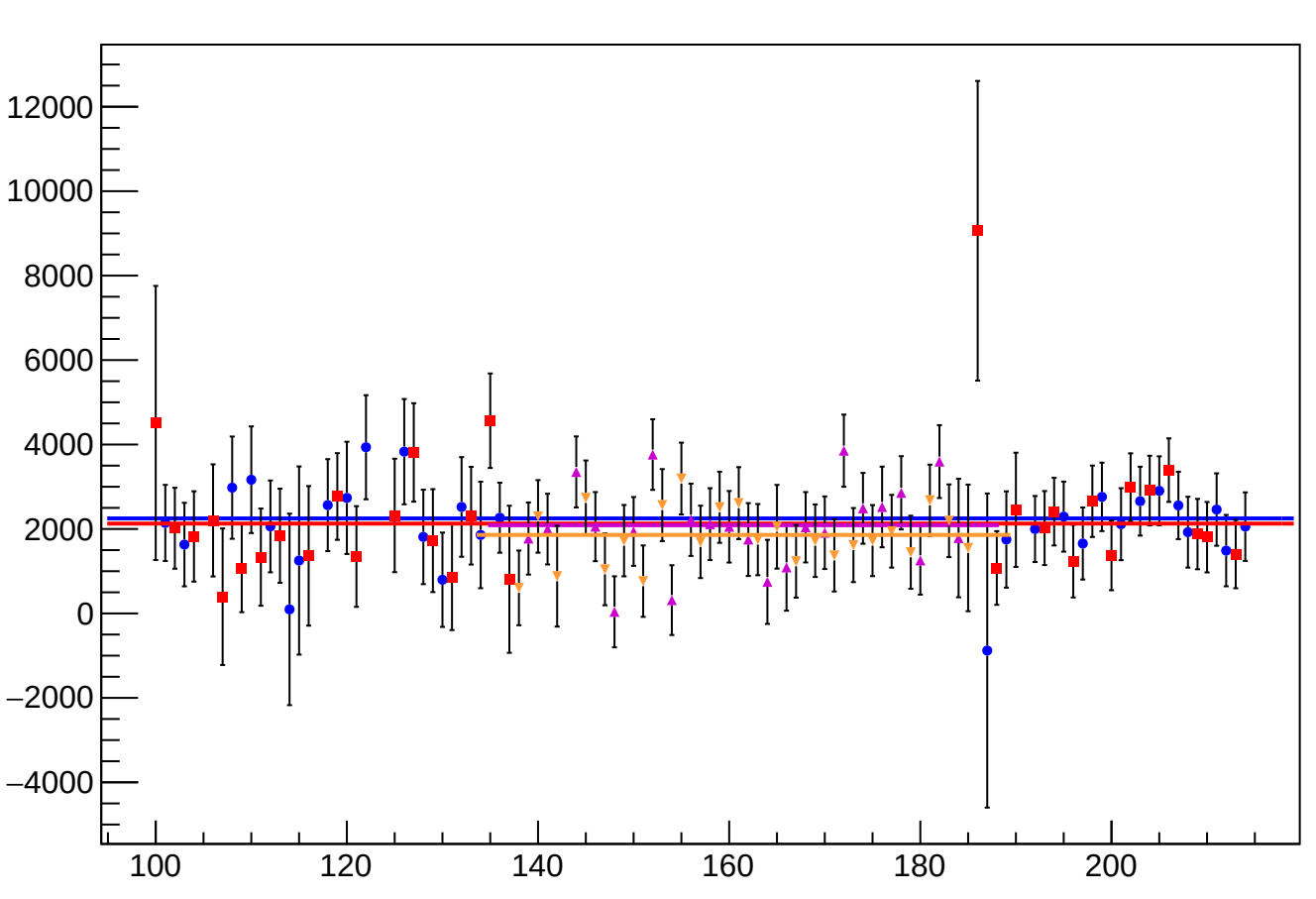
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 1367.512+/-0.233 χ²/NDF: 1786007.0/29
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1424.610+/-0.240 χ²/NDF: 1716266.4/31
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1395.167+/-0.167 χ²/NDF: 3531439.2/61
In: 1365.947+/-0.164 χ²/NDF:3098396.2/52
Out: 1401.272+/-0.167 χ²/NDF:2892984.5/55
All: 1383.287+/-0.117 χ²/NDF: 6014236.7/10



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

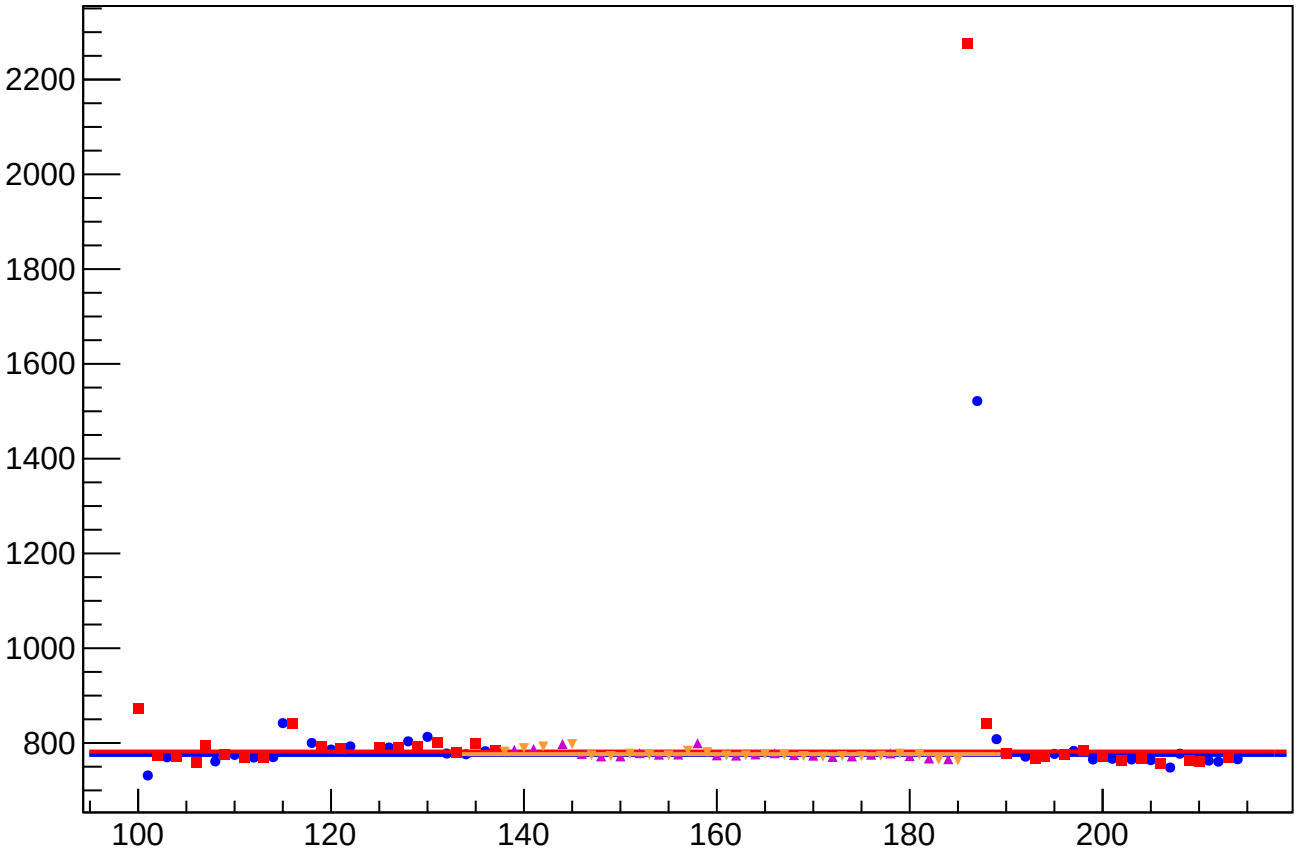
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2188.988+/-128.516 χ^2/NDF: 39.0/61

In: 2169.816+/-128.312 χ^2/NDF:42.2/52

Out: 1992.116+/-128.099 χ^2/NDF:41.2/55

All: 2080.818+/-90.655 χ^2/NDF: 84.3/108



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

Left: 776.965+/-0.090 χ^2/NDF: 7223.5/46

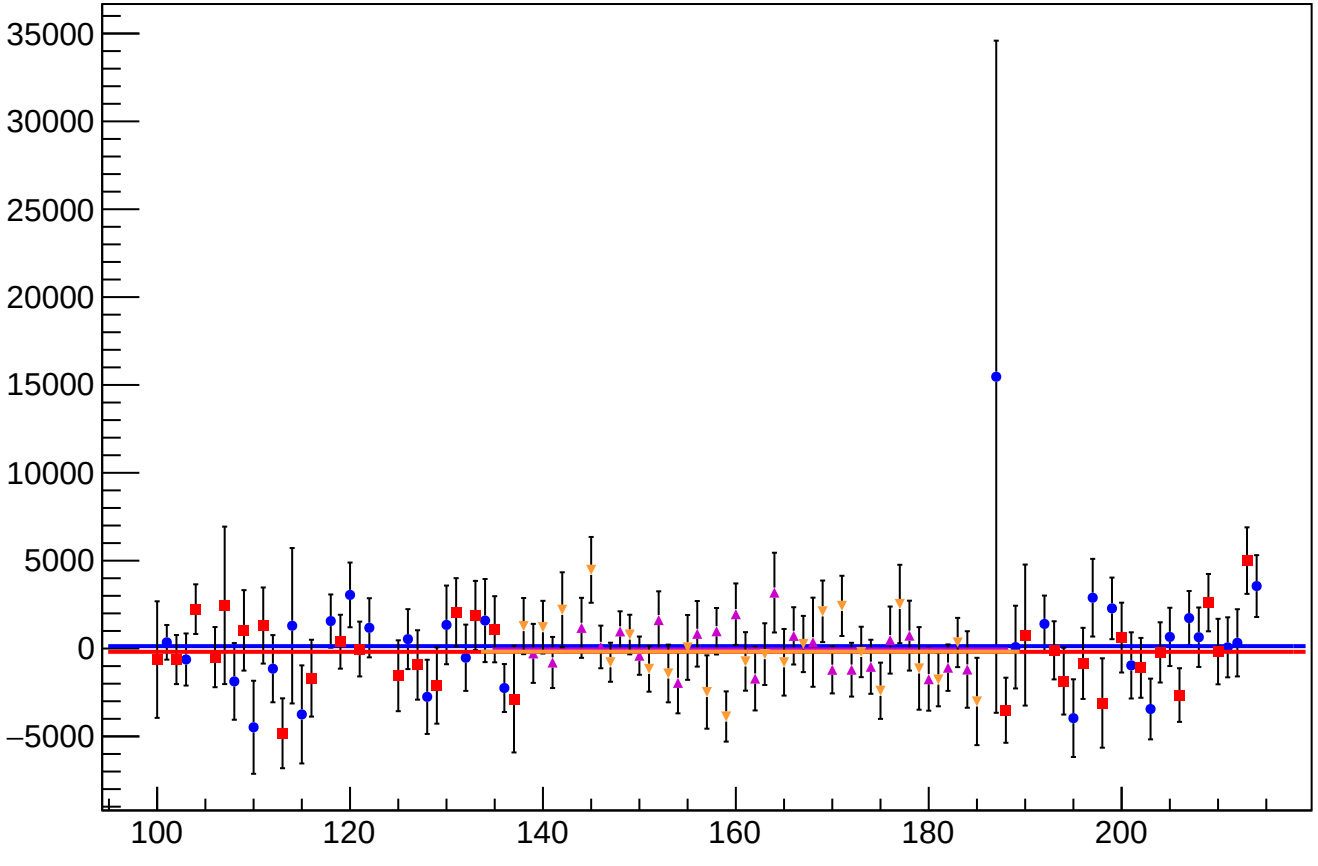
Right: 778.399+/-0.091 χ^2/NDF: 480307.4/61

In: 776.146+/-0.091 χ^2/NDF:103995.9/52

Out: 779.206+/-0.091 χ^2/NDF:383090.7/55

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

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

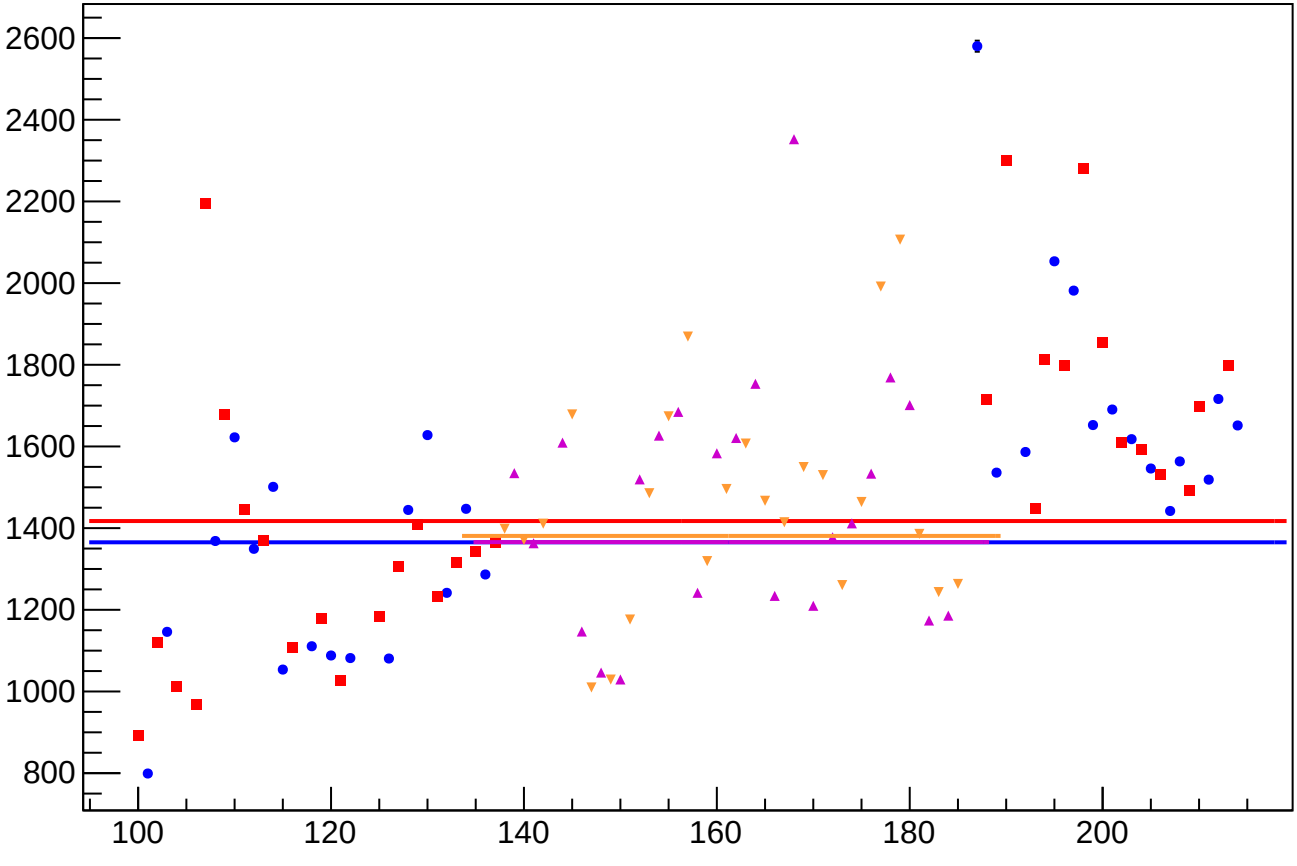
Right: -20.029+/-237.960 χ^2/NDF: 68.4/60

In: 40.105+/-232.289 χ^2/NDF:46.8/52

Out: -180.627+/-236.856 χ^2/NDF:63.9/54

All: -68.113+/-165.844 χ^2/NDF: 111.1/107

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



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

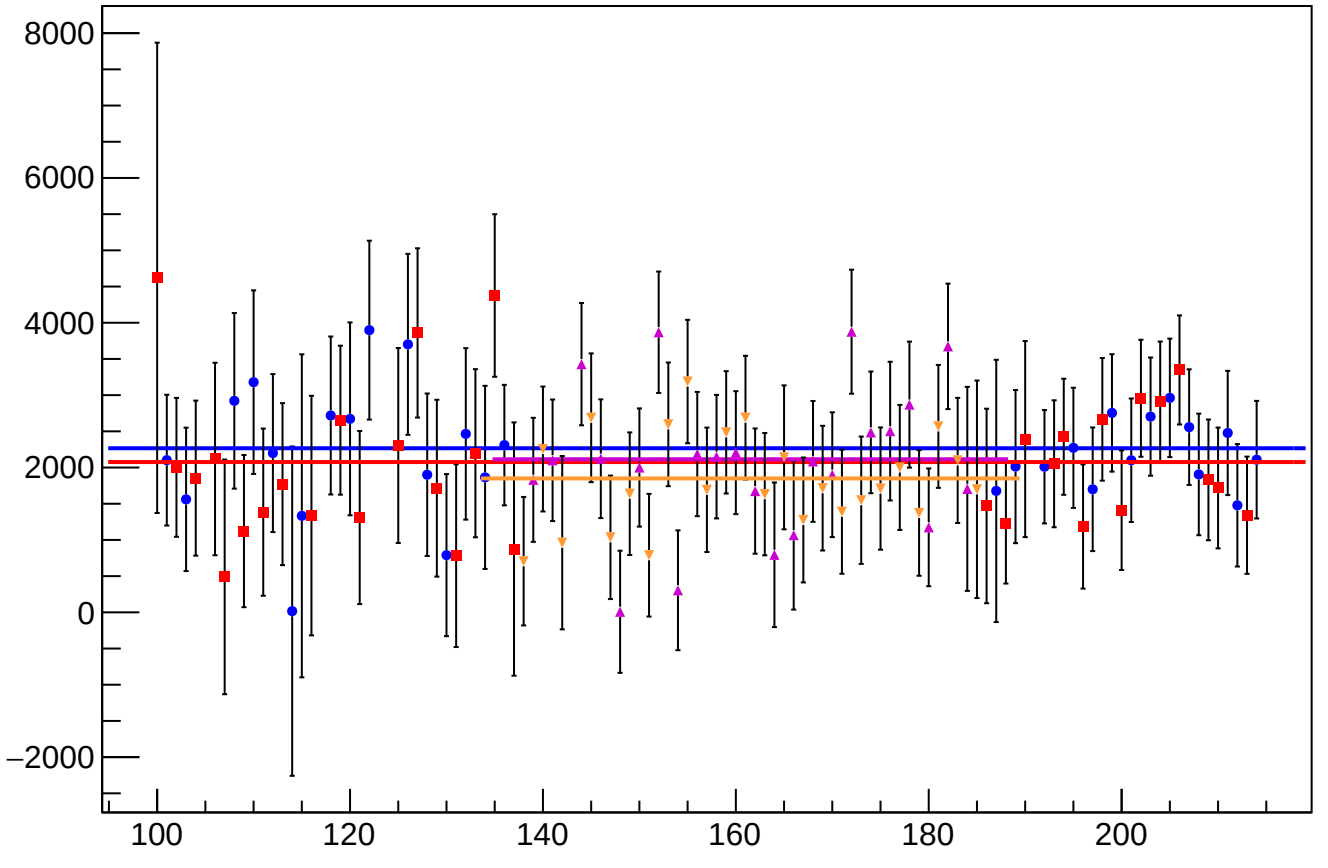
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1390.443+/-0.168 χ^2/NDF: 3412985.0/60

In: 1365.554+/-0.164 χ^2/NDF:3072865.4/52

Out: 1398.378+/-0.167 χ^2/NDF:2792298.7/54

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



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

Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

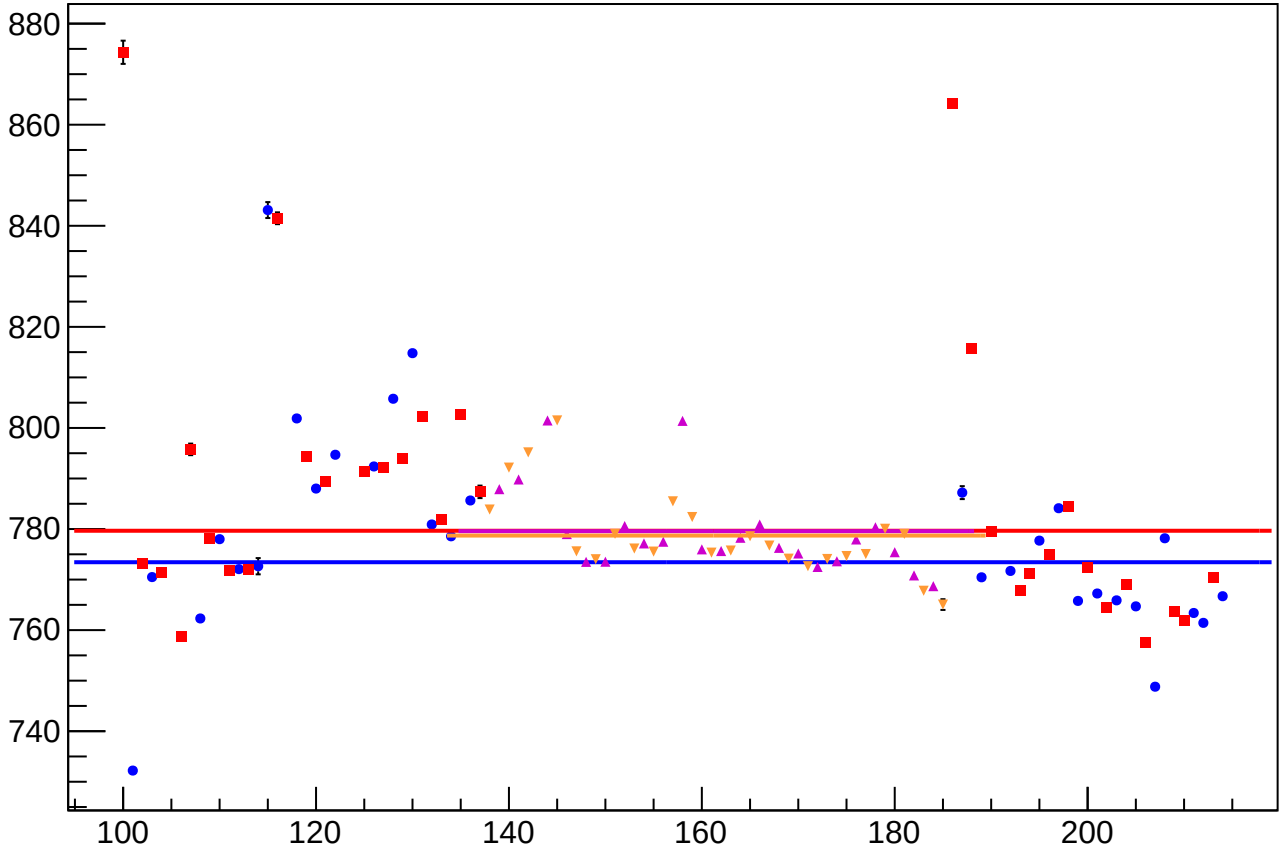
Right: 2171.220+/-127.684 χ^2/NDF: 33.6/61

In: 2191.084+/-128.209 χ^2/NDF:42.6/52

Out: 1962.916+/-127.729 χ^2/NDF:35.5/55

All: 2076.572+/-90.487 χ^2/NDF: 79.7/108

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



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

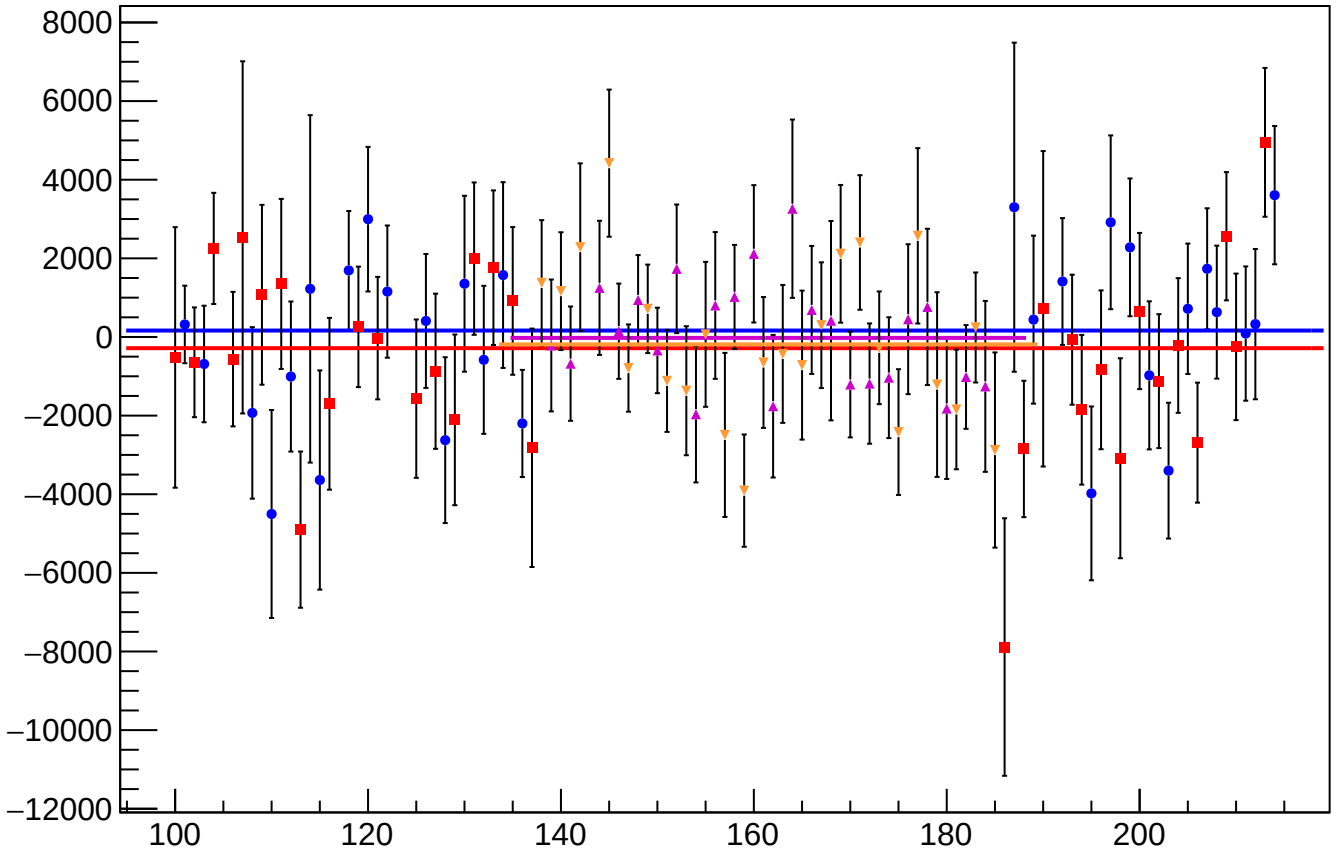
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 776.548+/-0.090 χ^2/NDF: 44589.3/61

In: 776.480+/-0.091 χ^2/NDF:23210.2/52

Out: 779.184+/-0.090 χ^2/NDF:28927.9/55

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



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

Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

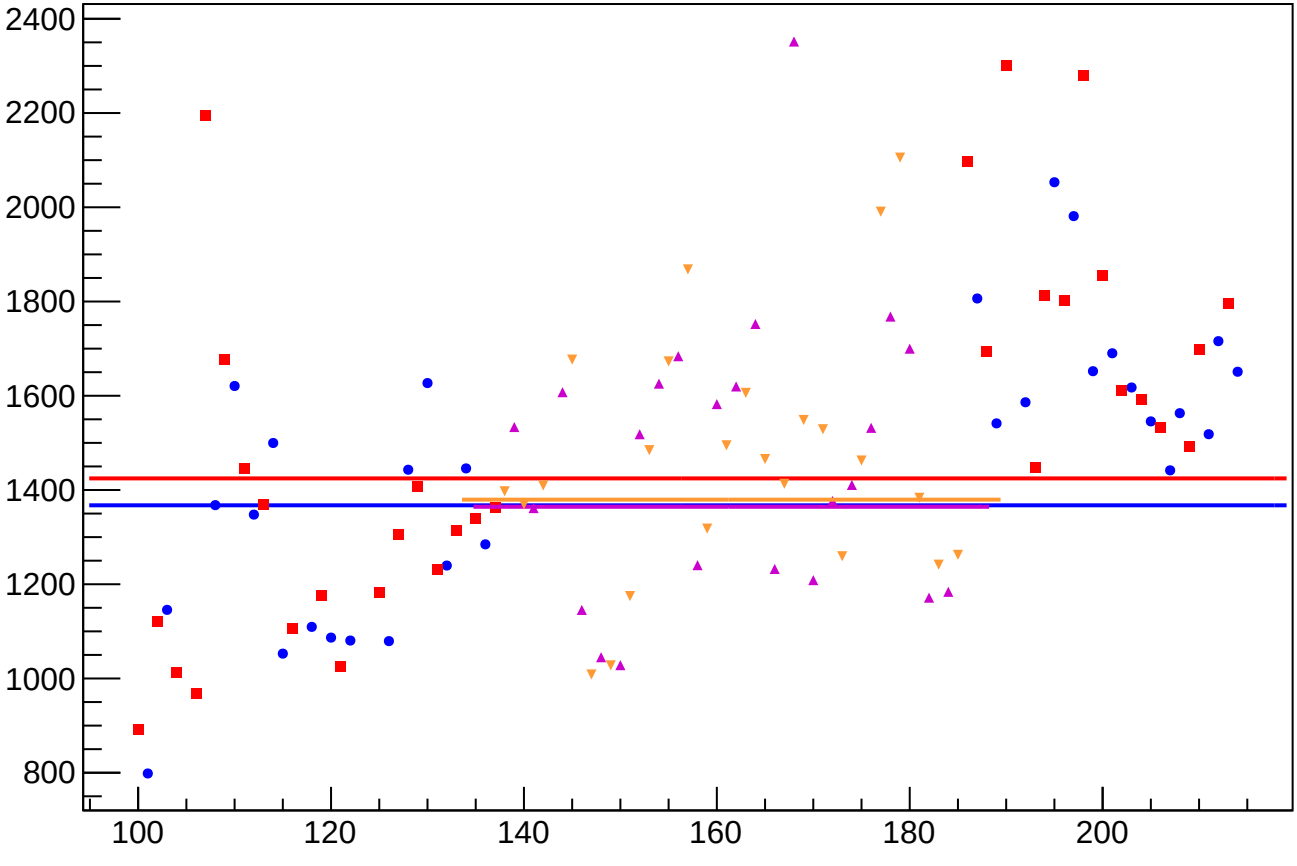
Right: -53.535+/-236.297 χ^2/NDF: 72.9/61

In: 69.064+/-231.522 χ^2/NDF:47.0/52

Out: -235.232+/-235.783 χ^2/NDF:68.3/55

All: -80.310+/-165.197 χ^2/NDF: 116.1/108

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

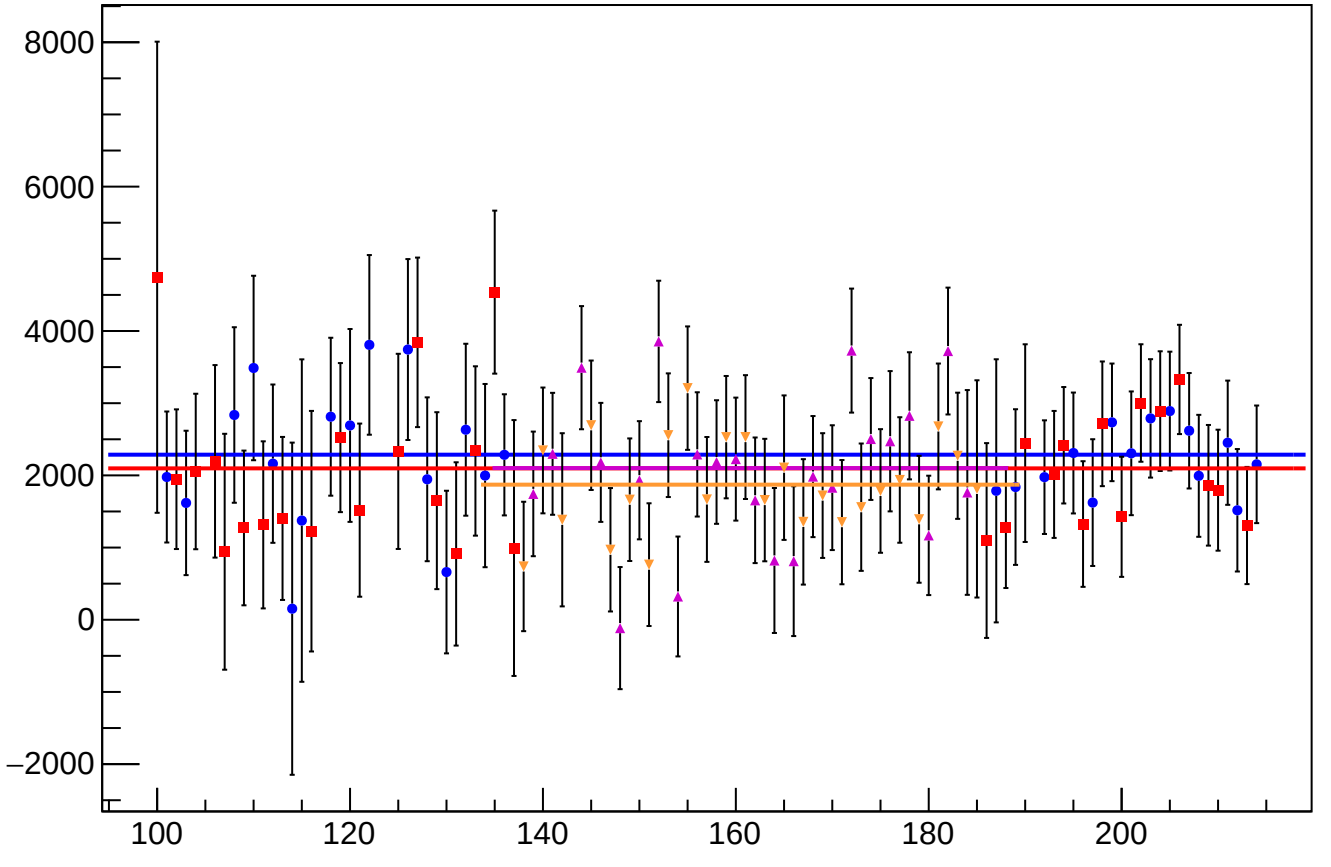
Right: 1395.167+/-0.167 χ^2/NDF: 3531439.2/61

In: 1365.947+/-0.164 χ^2/NDF:3098396.2/52

Out: 1401.272+/-0.167 χ^2/NDF:2892984.5/55

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

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left: 1985.496+/-129.100 χ^2/NDF: 45.0/46

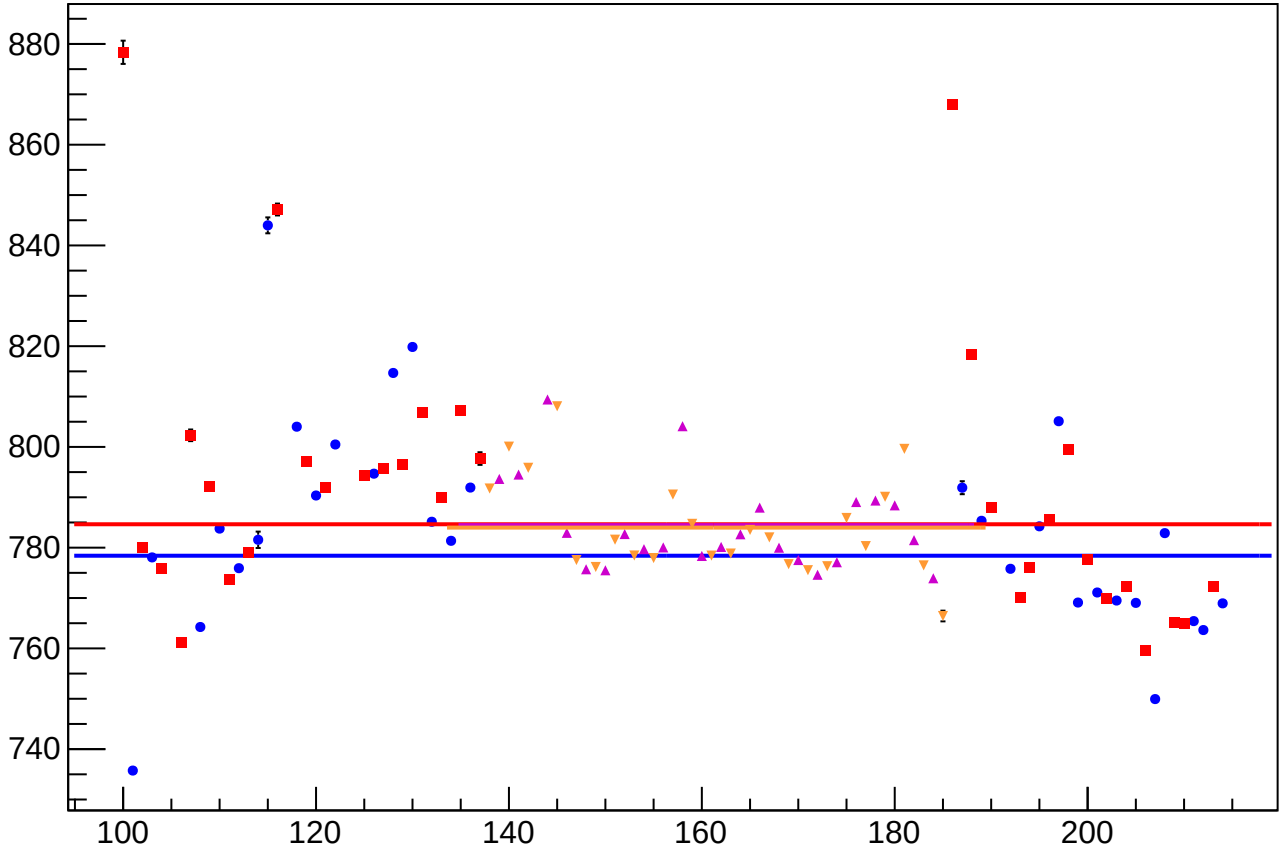
Right: 2191.816+/-128.525 χ^2/NDF: 33.4/61

In: 2194.561+/-129.036 χ^2/NDF:43.8/52

Out: 1984.400+/-128.589 χ^2/NDF:34.6/55

All: 2089.116+/-91.084 χ^2/NDF: 79.7/108

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

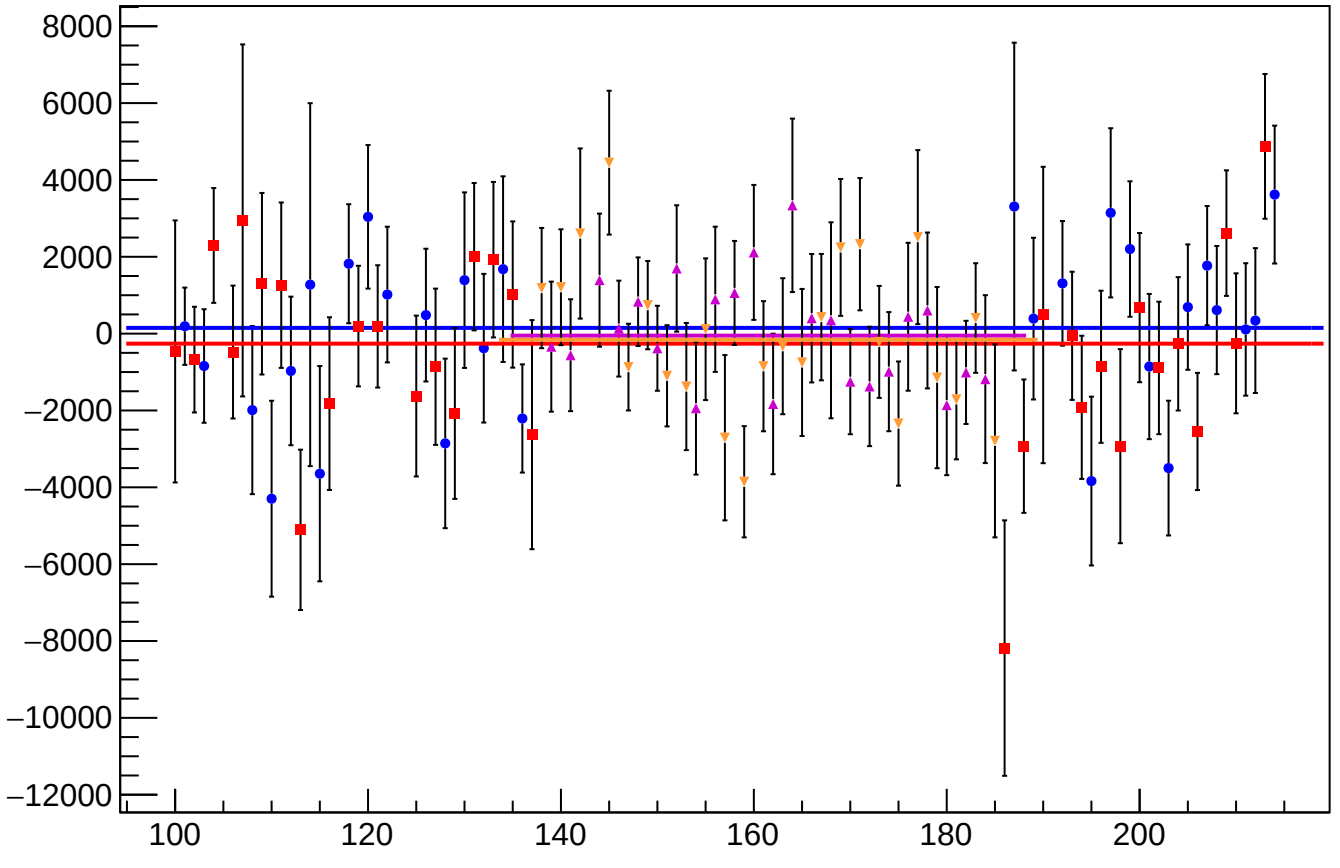
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 781.523+/-0.091 χ^2/NDF: 48778.8/61

In: 781.412+/-0.091 χ^2/NDF:27053.1/52

Out: 784.314+/-0.091 χ^2/NDF:31521.3/55

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



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

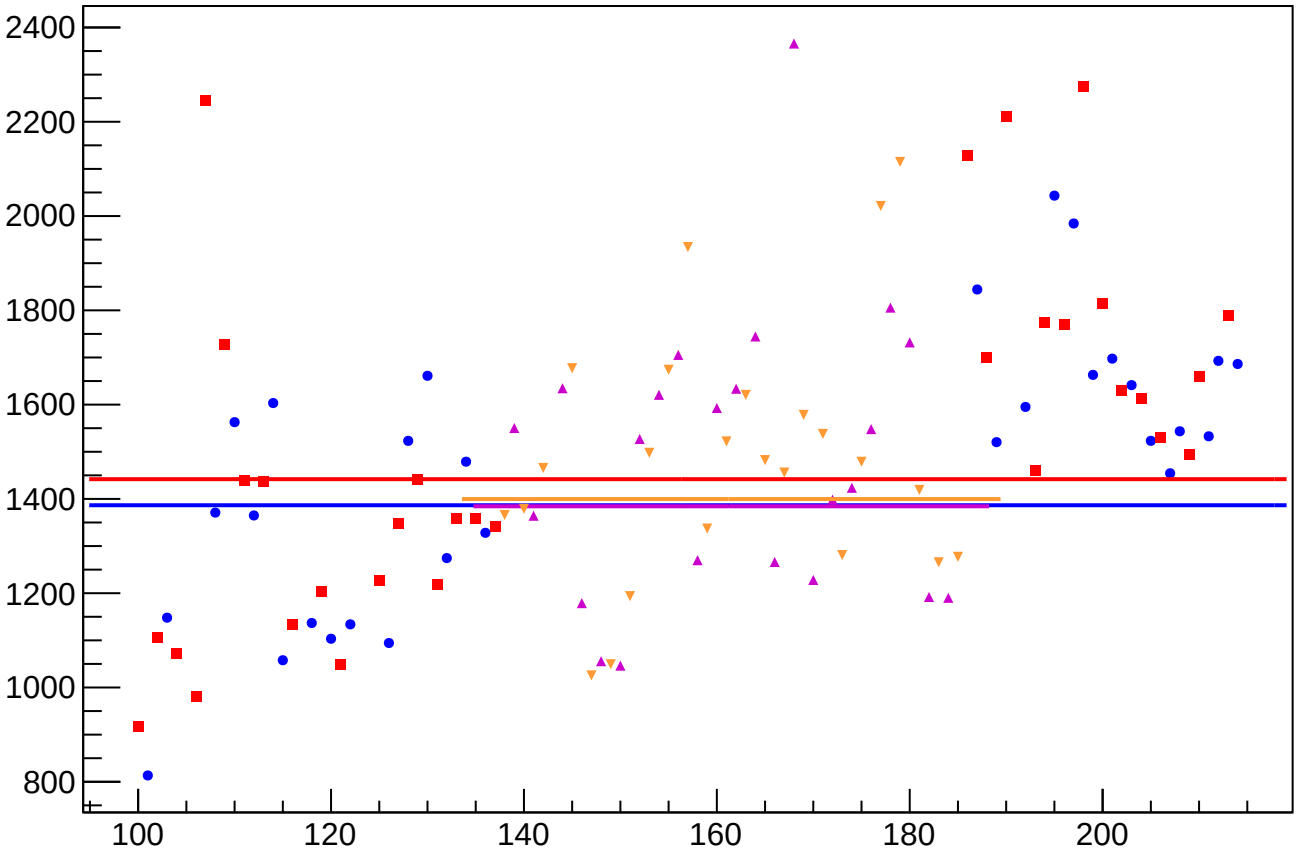
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

Right: -49.636+/-238.741 χ^2/NDF: 72.5/61

In: 48.054+/-234.403 χ^2/NDF:46.7/52

Out: -208.526+/-238.515 χ^2/NDF:67.7/55

All: -78.006+/-167.183 χ^2/NDF: 115.1/108



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

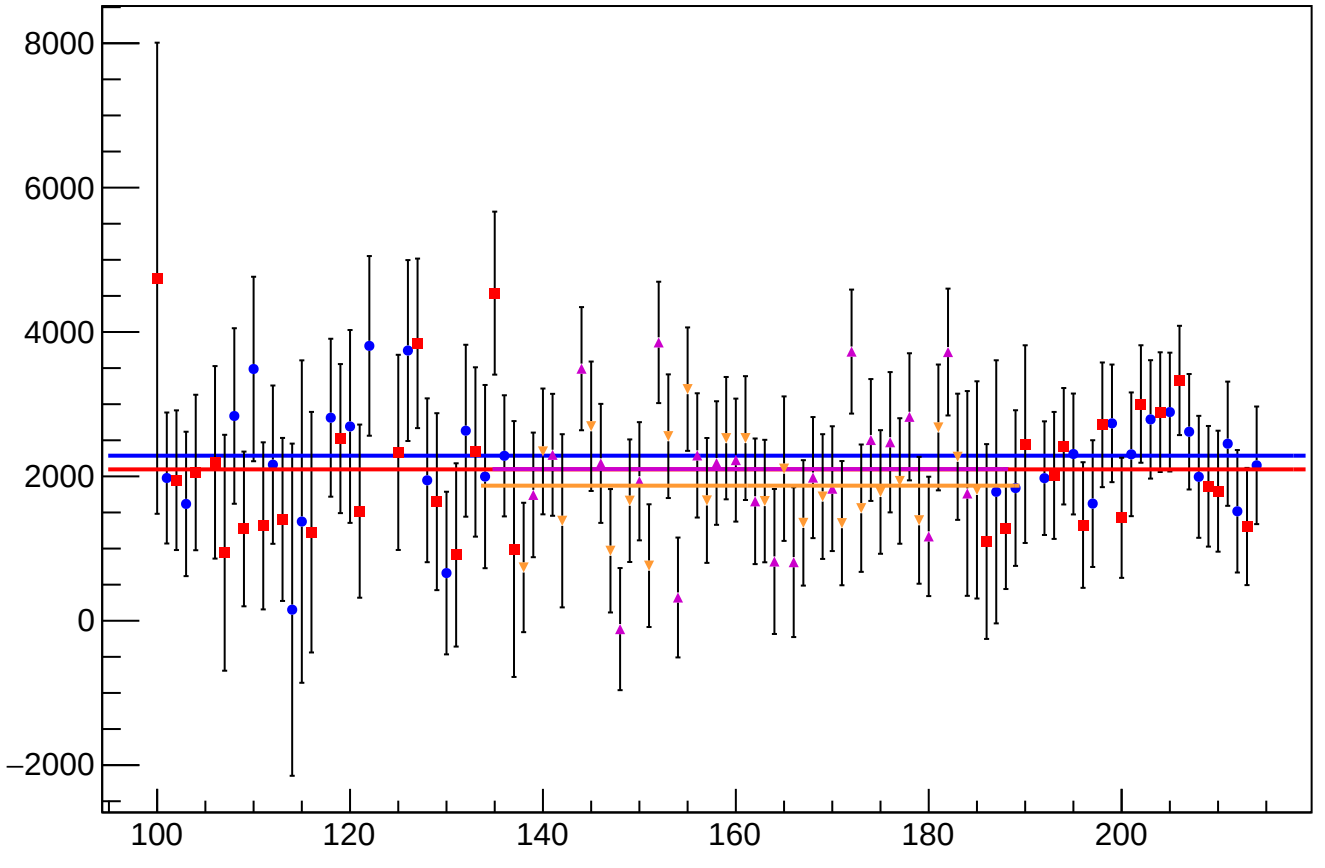
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1413.444+/-0.169 χ^2/NDF: 3268016.1/61

In: 1385.451+/-0.166 χ^2/NDF:2953827.8/52

Out: 1420.163+/-0.169 χ^2/NDF:2709323.7/55

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



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

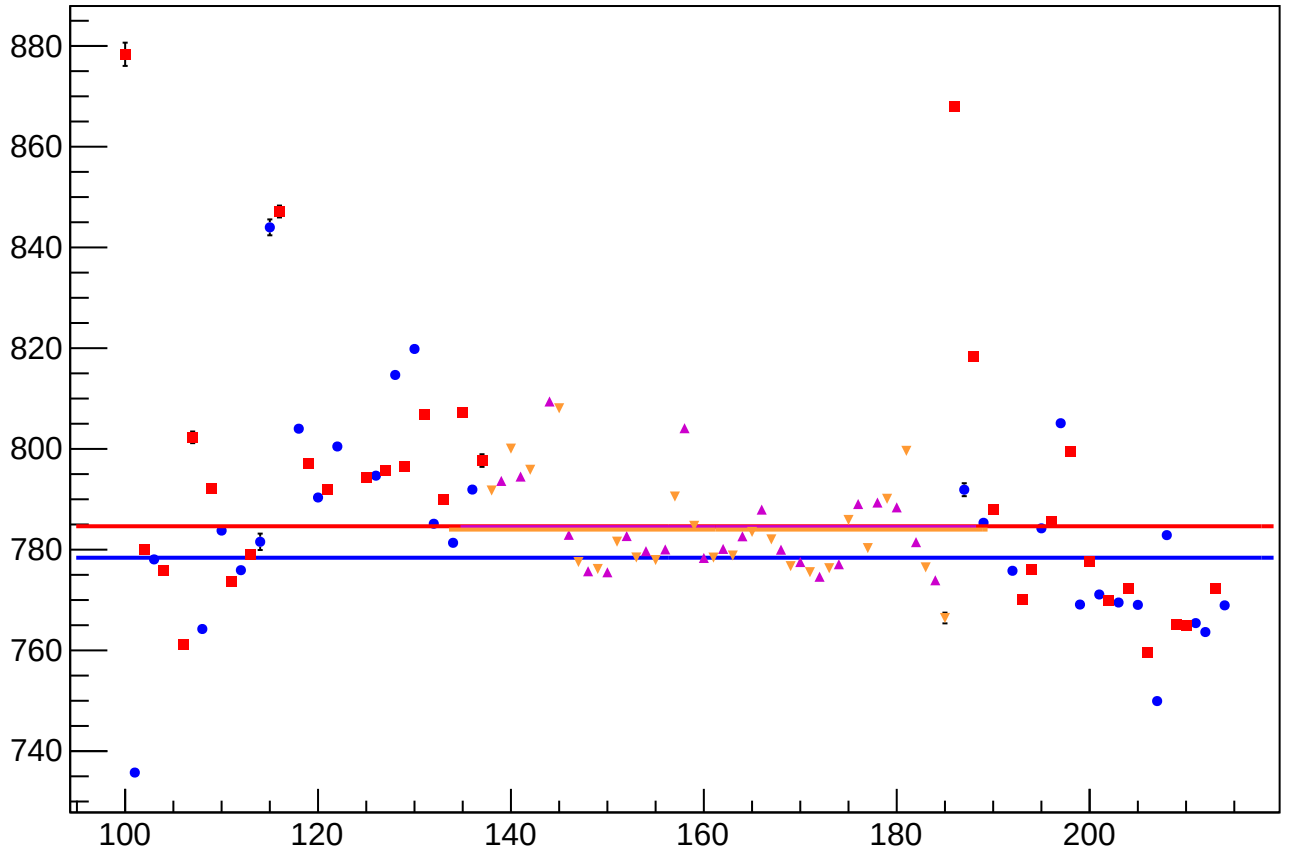
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2191.816+/-128.525 χ^2/NDF: 33.4/61

In: 2194.562+/-129.036 χ^2/NDF:43.8/52

Out: 1984.398+/-128.589 χ^2/NDF:34.6/55

All: 2089.115+/-91.084 χ^2/NDF: 79.7/108



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

Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

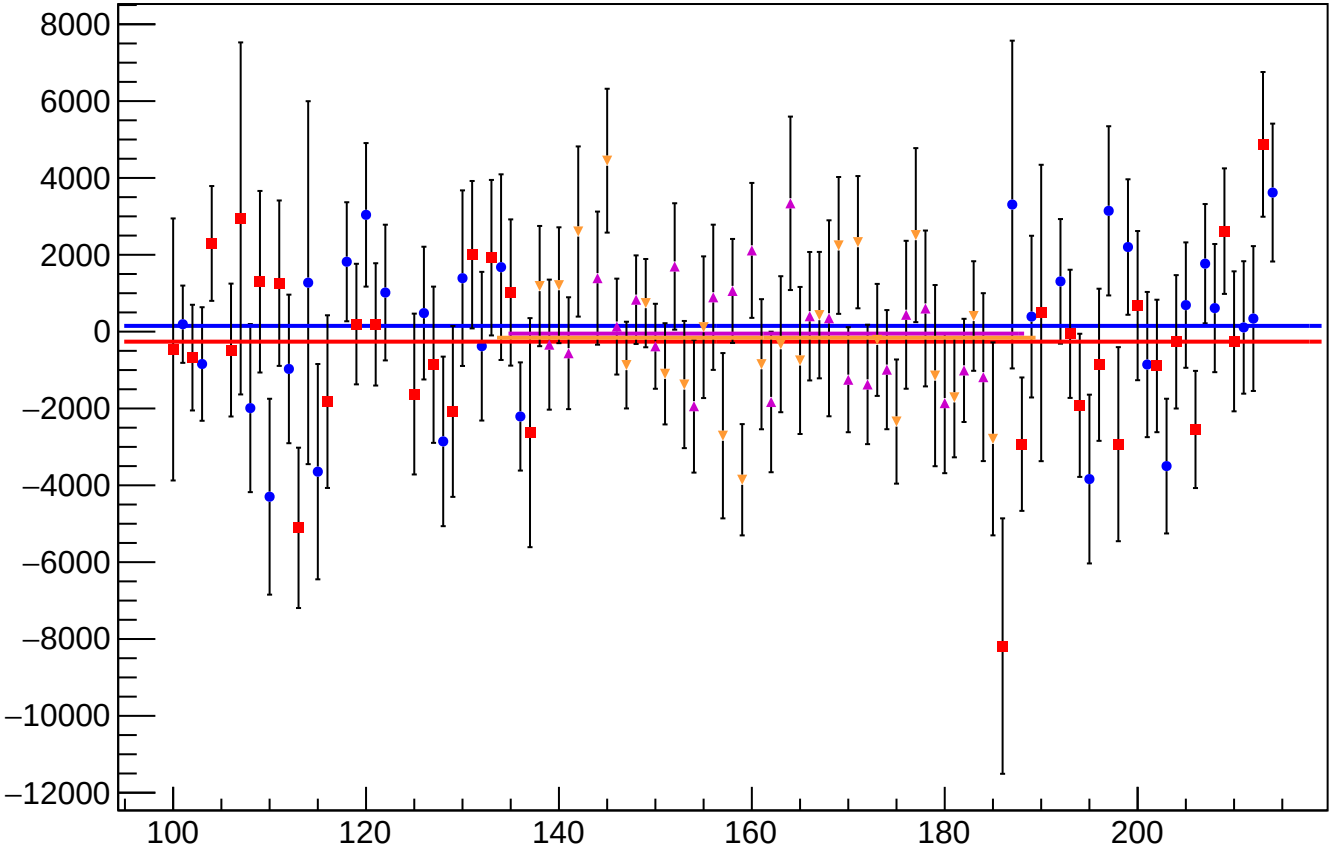
Right: 781.523+/-0.091 χ^2/NDF: 48778.6/61

In: 781.412+/-0.091 χ^2/NDF:27053.0/52

Out: 784.314+/-0.091 χ^2/NDF:31521.2/55

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

asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

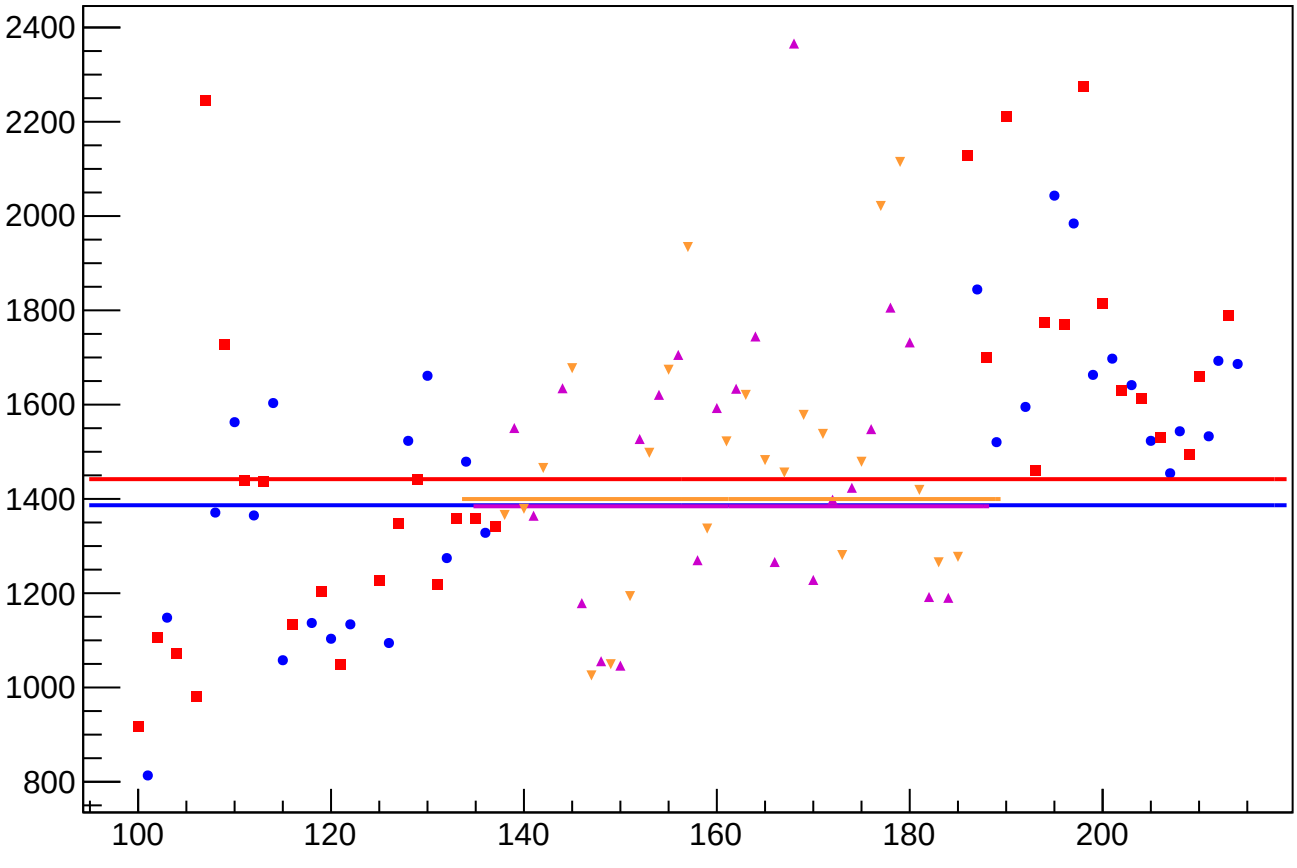
Left: -105.305+/-234.190 χ^2/NDF: 42.6/46

Right: -49.636+/-238.741 χ^2/NDF: 72.5/61

In: 48.054+/-234.403 χ^2/NDF:46.7/52

Out: -208.527+/-238.515 χ^2/NDF:67.7/55

All: -78.006+/-167.183 χ^2/NDF: 115.1/108



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

Left: 1391.982+/-0.166 χ^2/NDF: 2408445.8/46

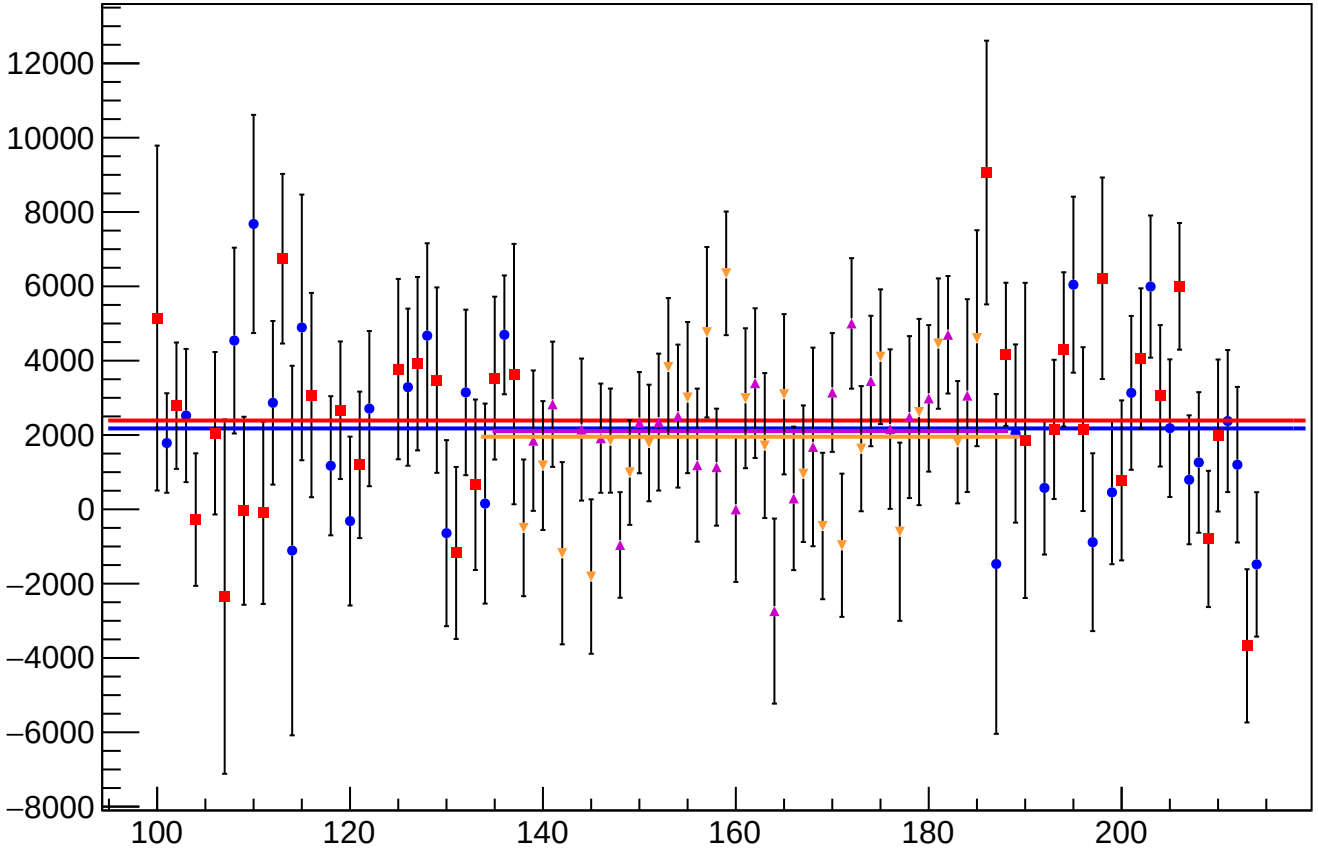
Right: 1413.442+/-0.169 χ^2/NDF: 3268058.3/61

In: 1385.452+/-0.166 χ^2/NDF:2953849.5/52

Out: 1420.163+/-0.169 χ^2/NDF:2709342.8/55

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

asym_us_avg_mean vs Slug, Sign Corrected



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

Left: 2029.156+/-268.459 χ^2/NDF: 46.0/46

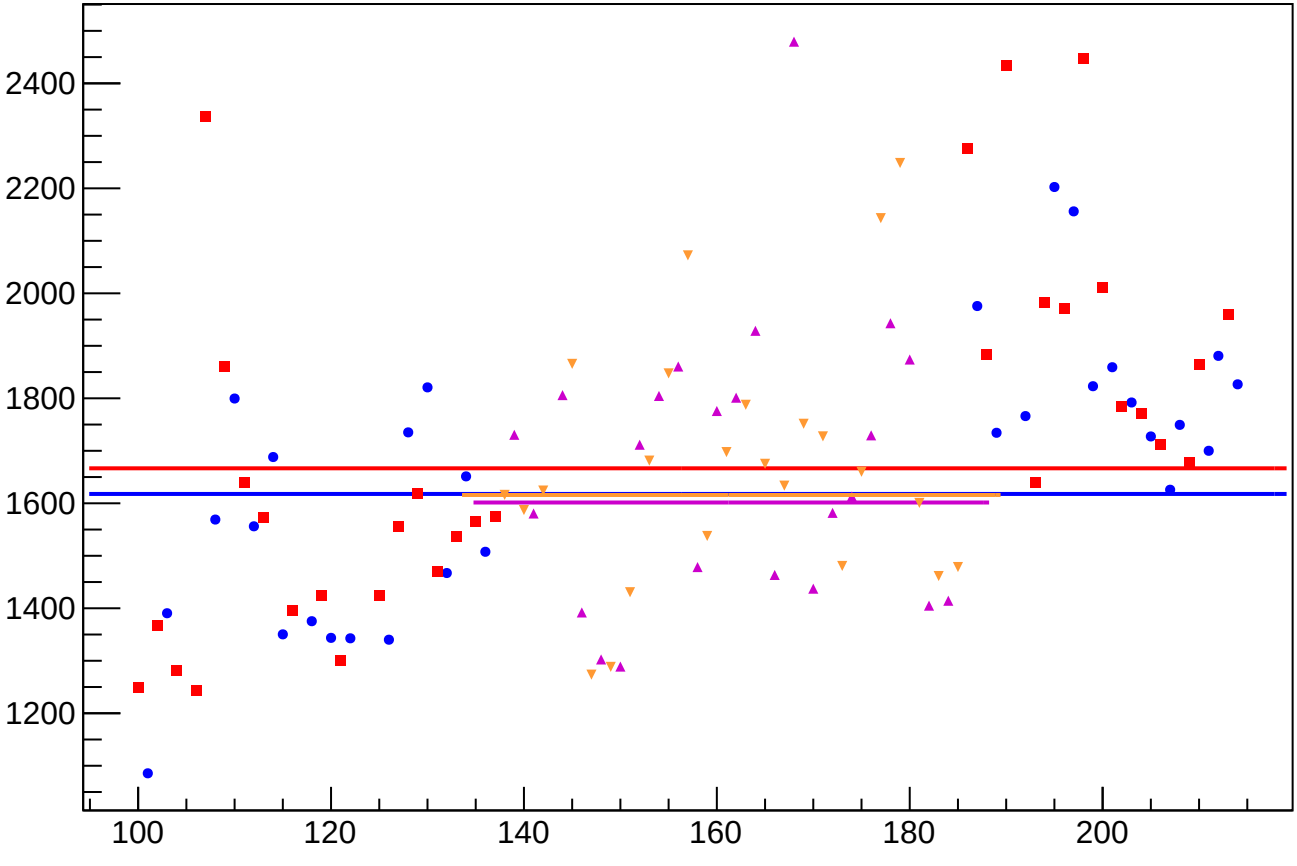
Right: 2280.659+/-274.479 χ^2/NDF: 67.4/61

In: 2140.547+/-269.734 χ^2/NDF:47.0/52

Out: 2163.986+/-273.135 χ^2/NDF:66.9/55

All: 2152.120+/-191.922 χ^2/NDF: 113.9/108

asym_us_avg_rms vs Slug, Sign Corrected



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

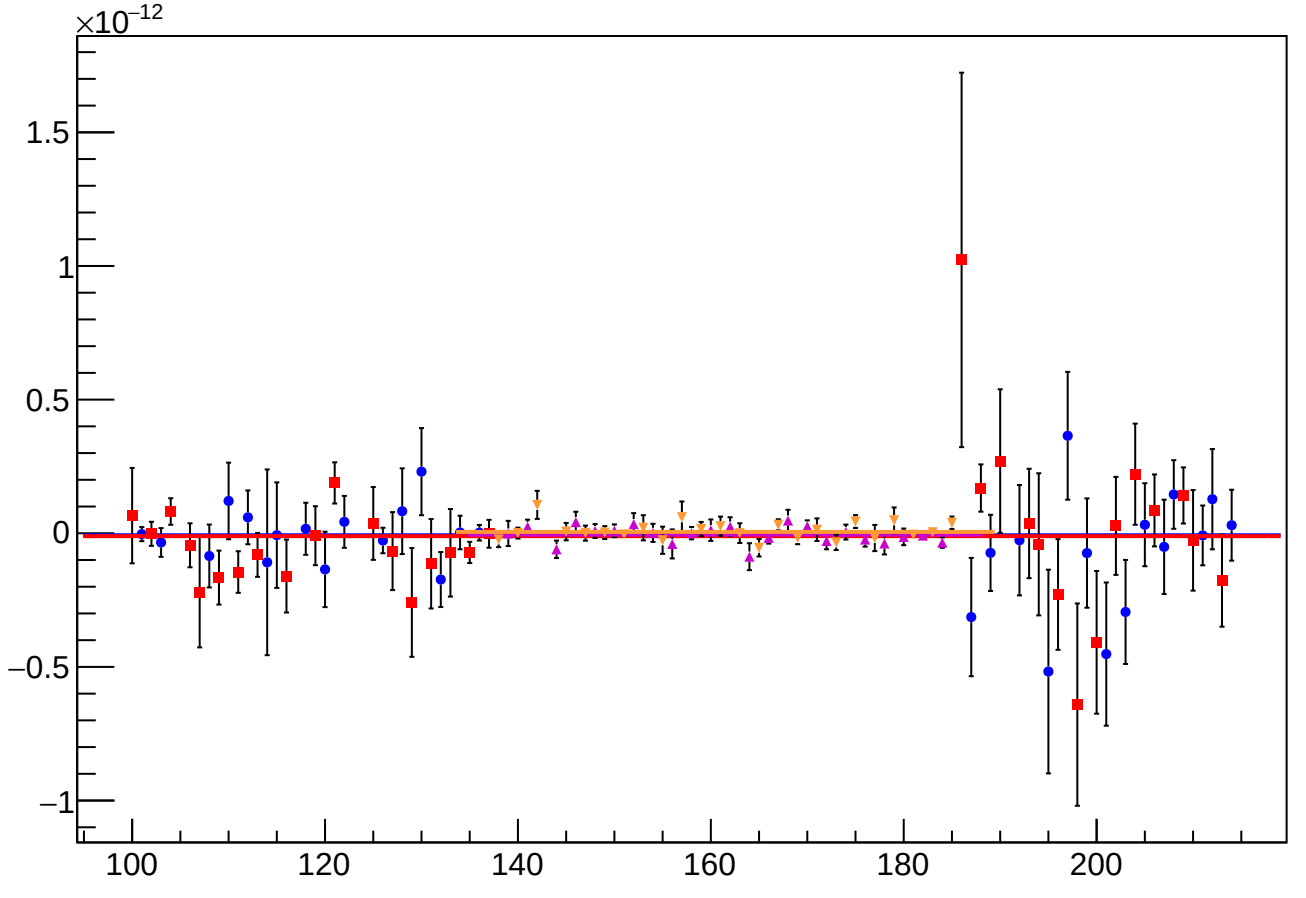
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1641.679+/-0.194 χ^2/NDF: 1948923.7/61

In: 1609.546+/-0.191 χ^2/NDF:1728845.7/52

Out: 1640.439+/-0.193 χ^2/NDF:1711430.4/55

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



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

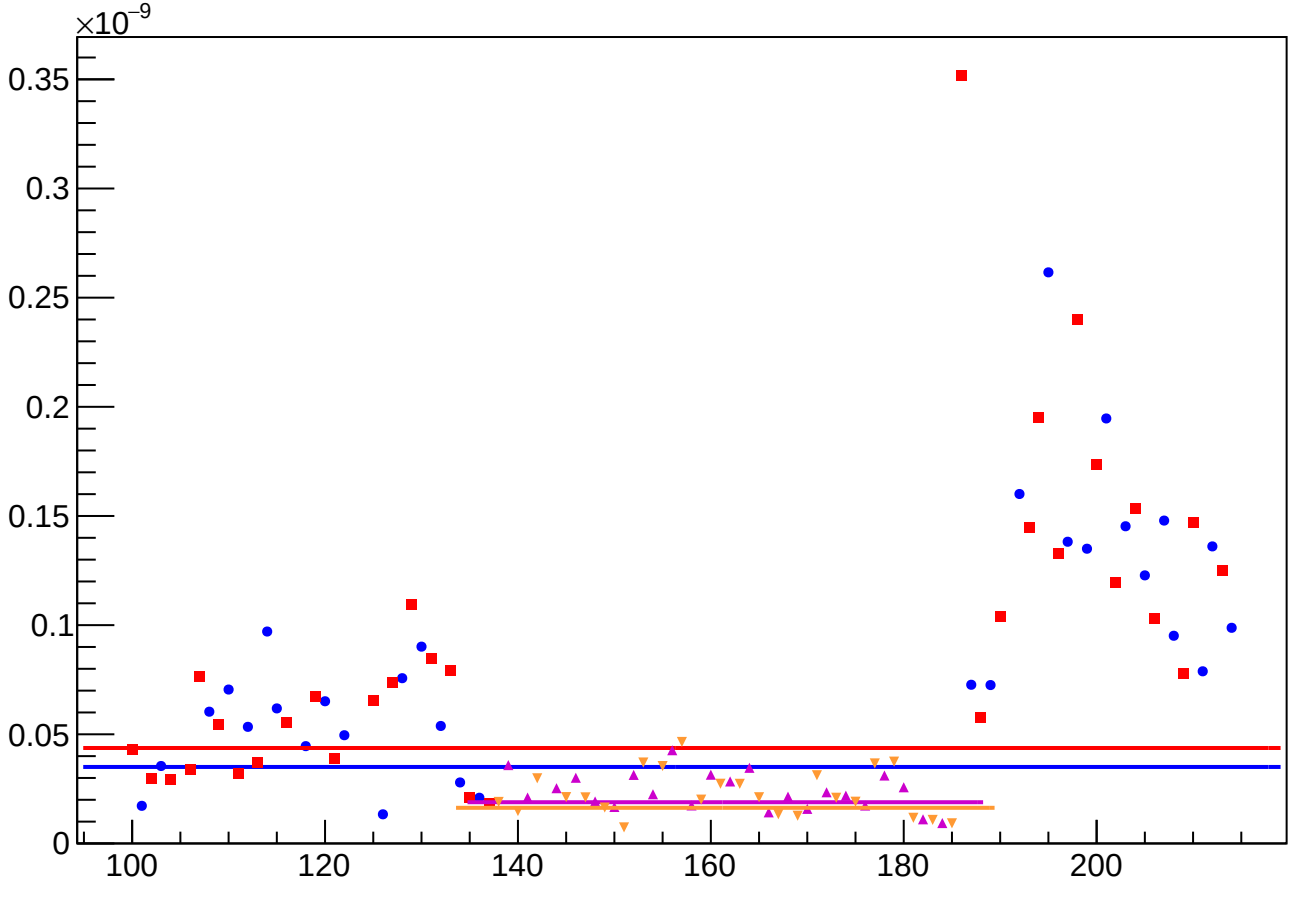
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 64.2/61

In: -0.000+/-0.000 χ^2/NDF:41.5/52

Out: 0.000+/-0.000 χ^2/NDF:64.0/55

All: -0.000+/-0.000 χ^2/NDF: 106.9/108



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

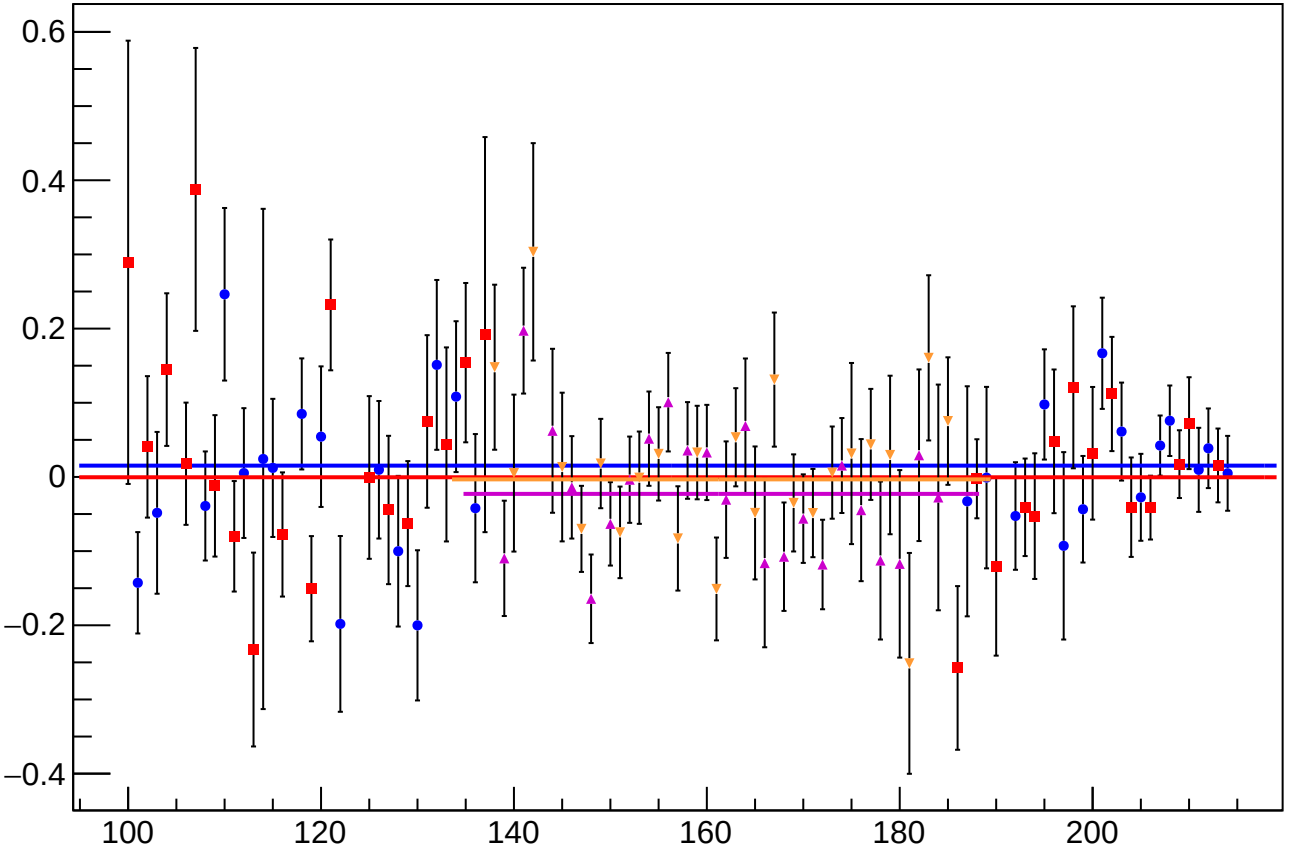
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 18204519.6/61

In: 0.000+/-0.000 χ^2/NDF:15286393.0/52

Out: 0.000+/-0.000 χ^2/NDF:17098182.8/55

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



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

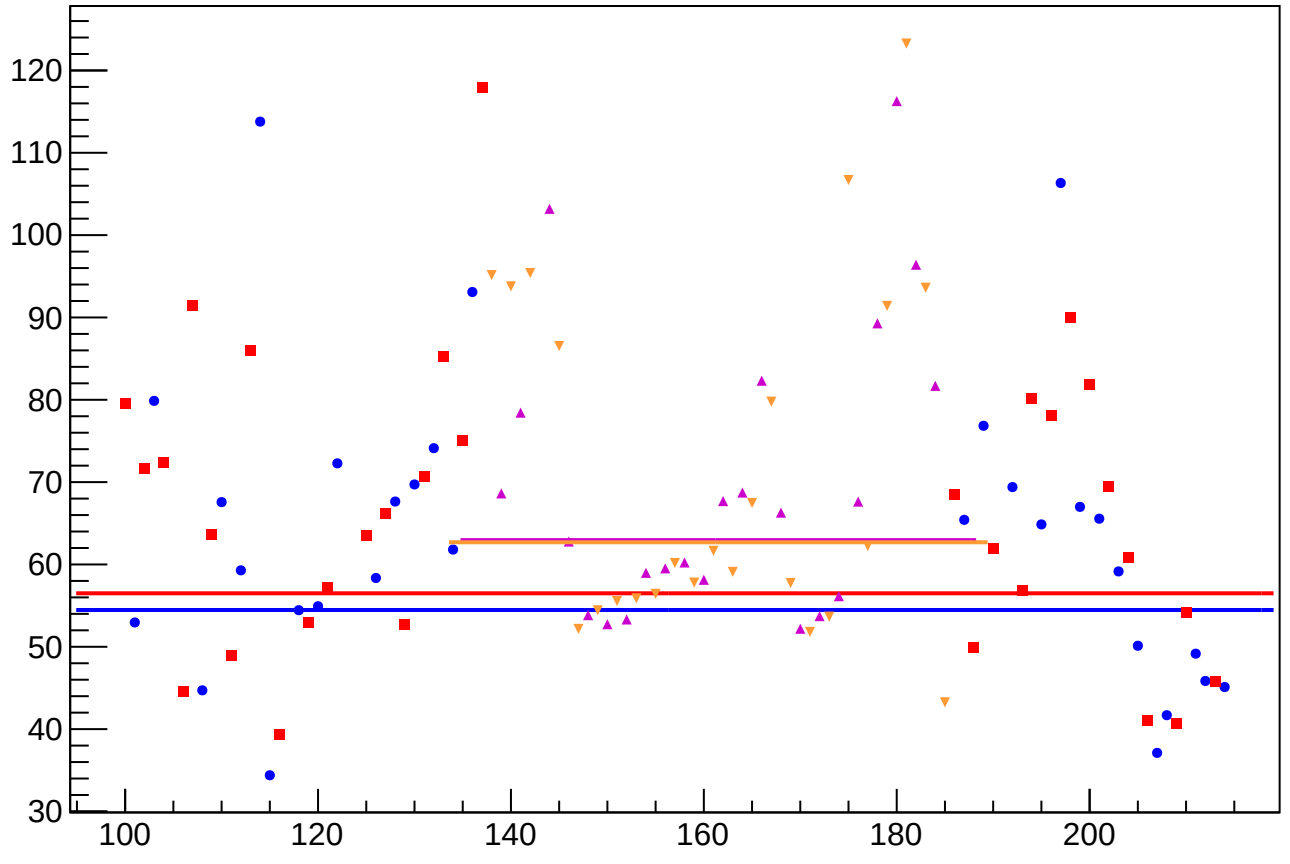
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.008+/-0.010 χ^2/NDF: 76.1/61

In: -0.002+/-0.010 χ^2/NDF:66.2/52

Out: -0.002+/-0.010 χ^2/NDF:67.5/55

All: -0.002+/-0.007 χ^2/NDF: 133.7/108



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

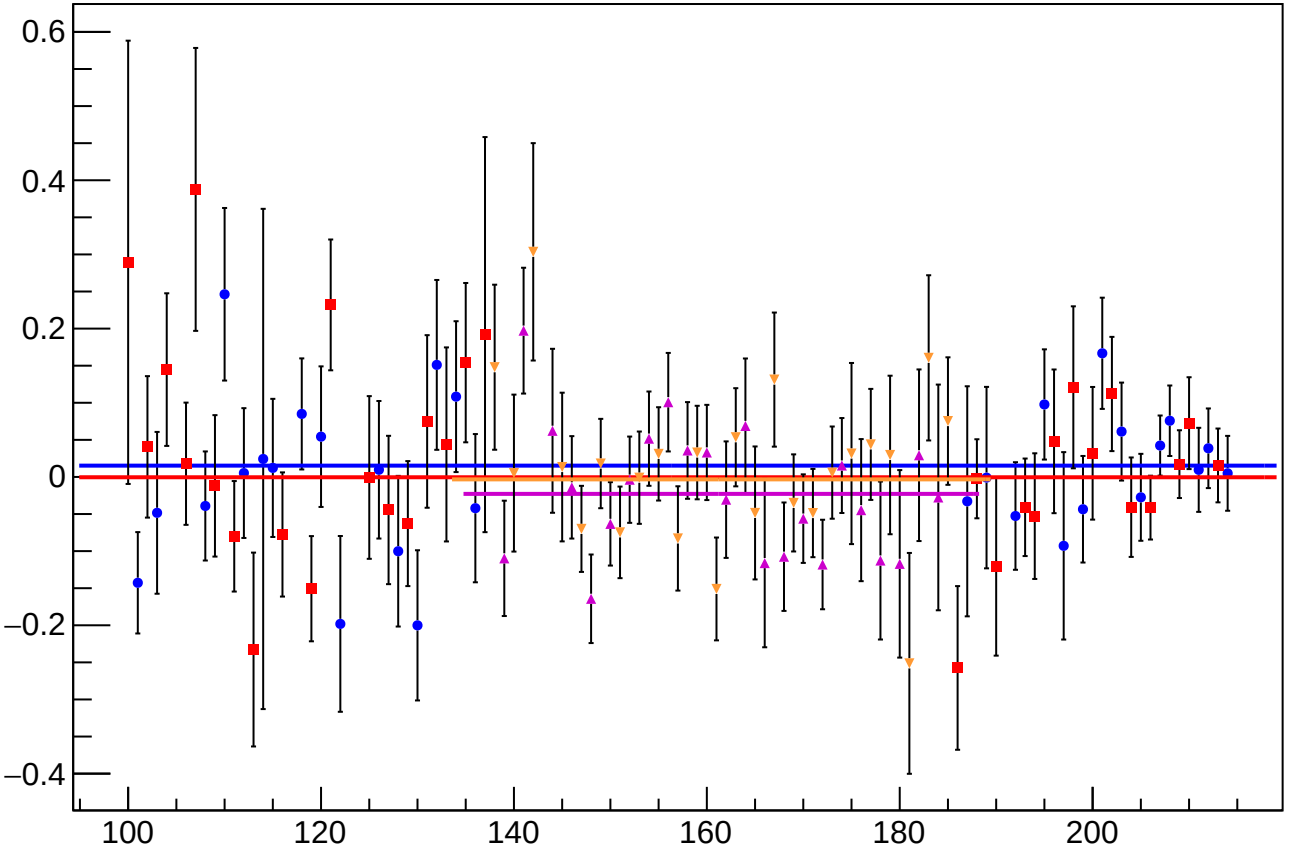
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 55.457+/-0.007 χ^2/NDF: 4248043.5/61

In: 58.206+/-0.007 χ^2/NDF:3906005.8/52

Out: 59.304+/-0.007 χ^2/NDF:4201602.3/55

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



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

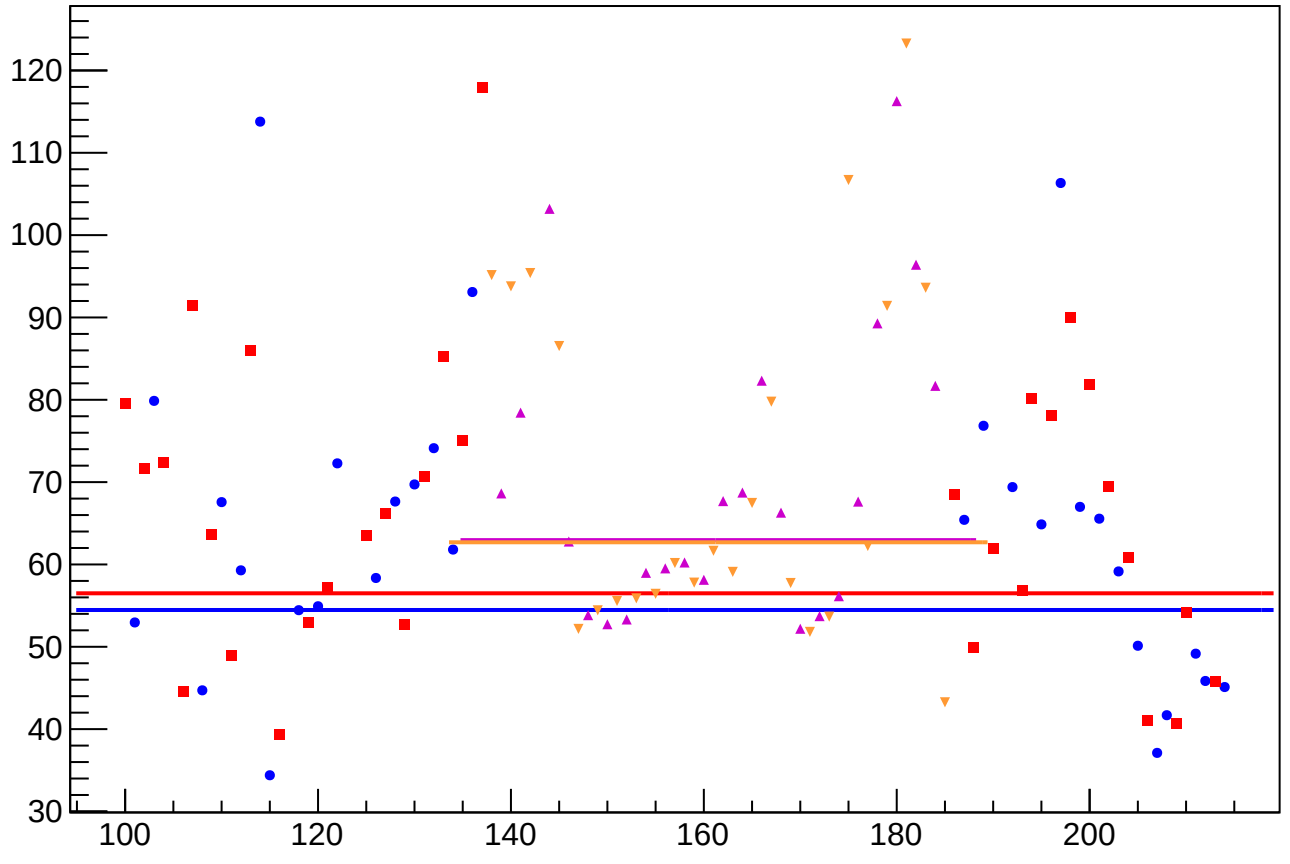
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.008+/-0.010 χ^2/NDF: 76.1/61

In: -0.002+/-0.010 χ^2/NDF:66.2/52

Out: -0.002+/-0.010 χ^2/NDF:67.5/55

All: -0.002+/-0.007 χ^2/NDF: 133.7/108



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

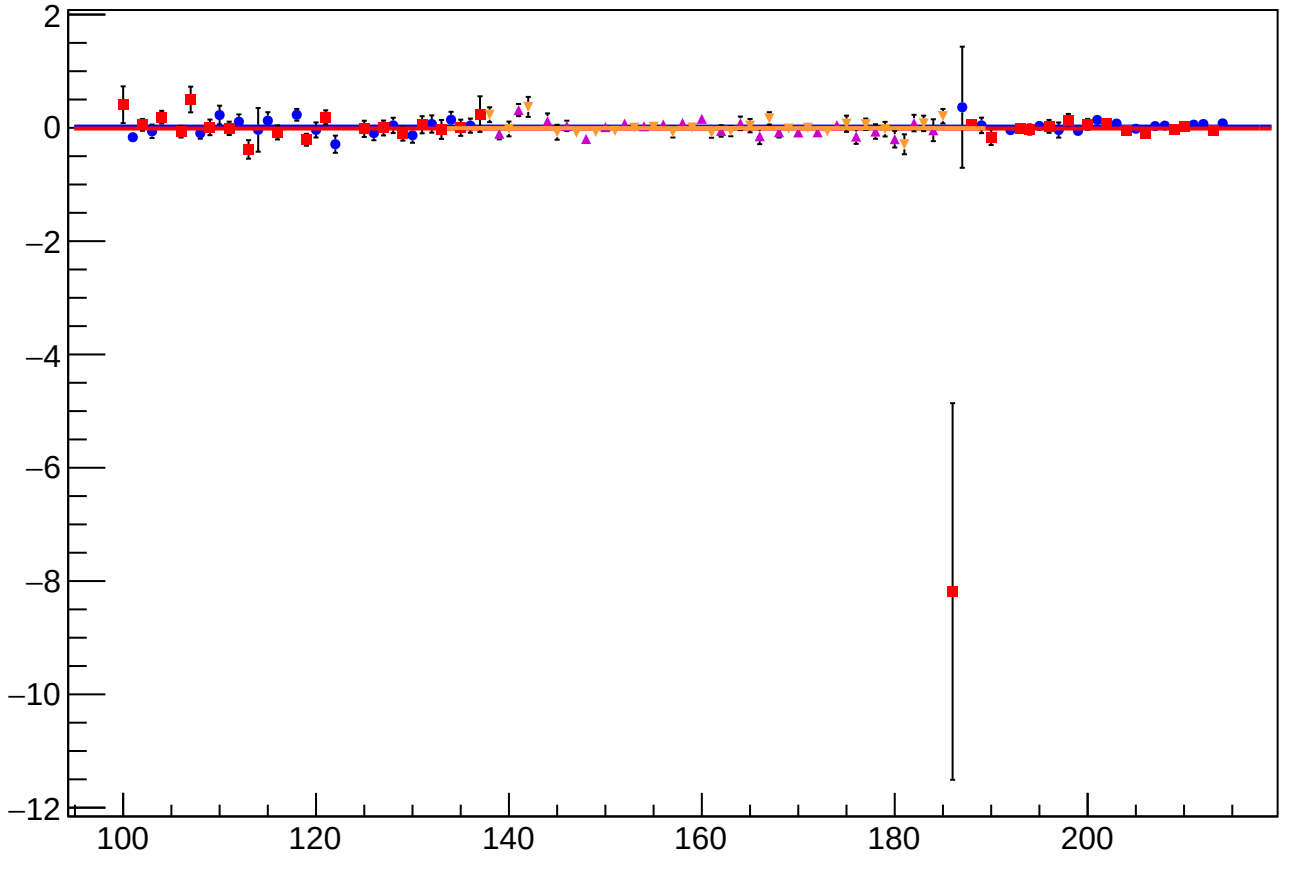
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 55.457+/-0.007 χ^2/NDF: 4248043.5/61

In: 58.206+/-0.007 χ^2/NDF:3906005.8/52

Out: 59.304+/-0.007 χ^2/NDF:4201602.3/55

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



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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

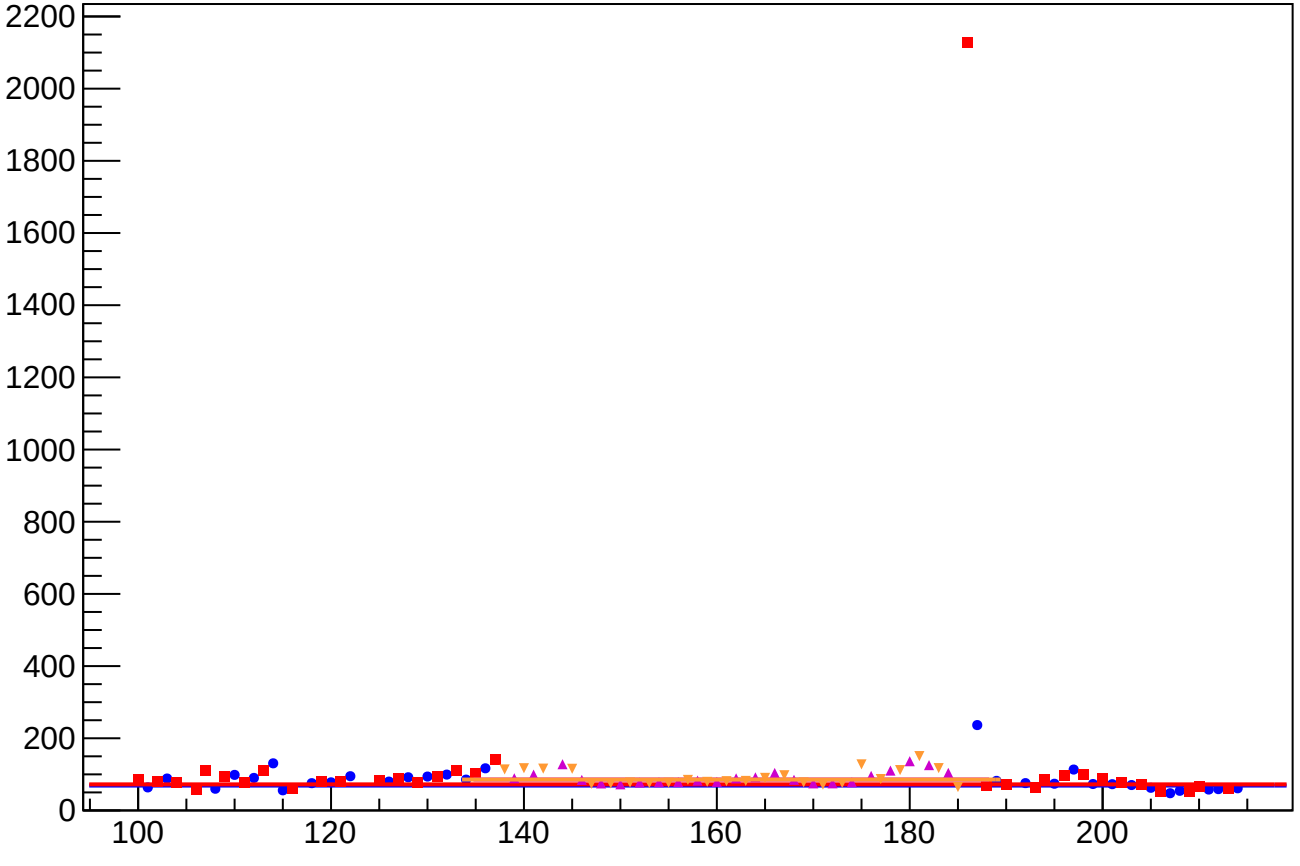
Right: 0.006+/-0.012 χ^2/NDF: 68.3/61

In: 0.014+/-0.013 χ^2/NDF:58.6/52

Out: -0.009+/-0.014 χ^2/NDF:60.4/55

All: 0.003+/-0.009 χ^2/NDF: 120.4/108

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

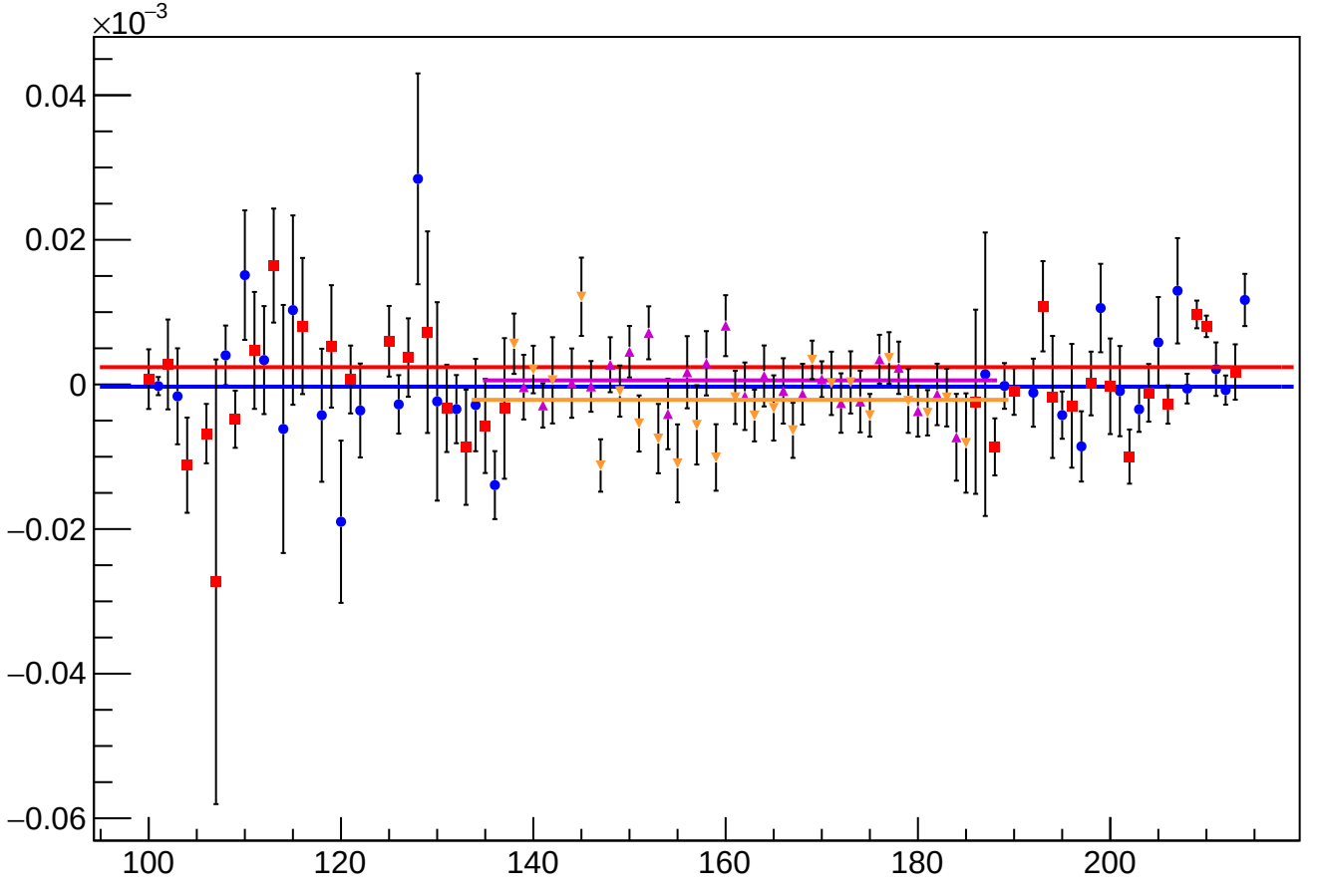
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 70.559+/-0.009 χ^2/NDF: 4138925.4/61

In: 75.777+/-0.009 χ^2/NDF:3562778.6/52

Out: 77.983+/-0.010 χ^2/NDF:4142081.6/55

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



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

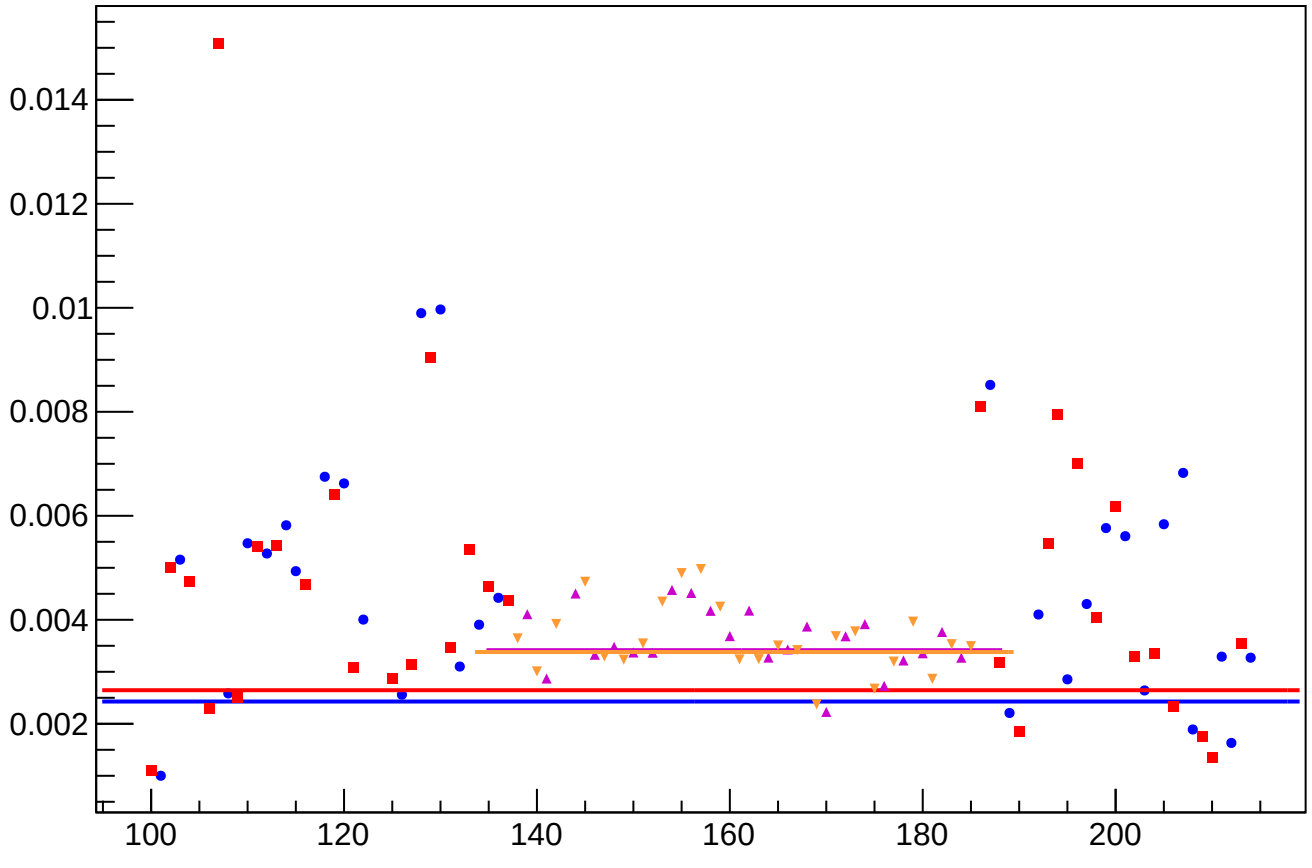
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: 0.000+/-0.000 χ^2/NDF: 132.6/61

In: 0.000+/-0.000 χ^2/NDF:63.2/52

Out: 0.000+/-0.000 χ^2/NDF:134.0/55

All: 0.000+/-0.000 χ^2/NDF: 197.4/108



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

Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

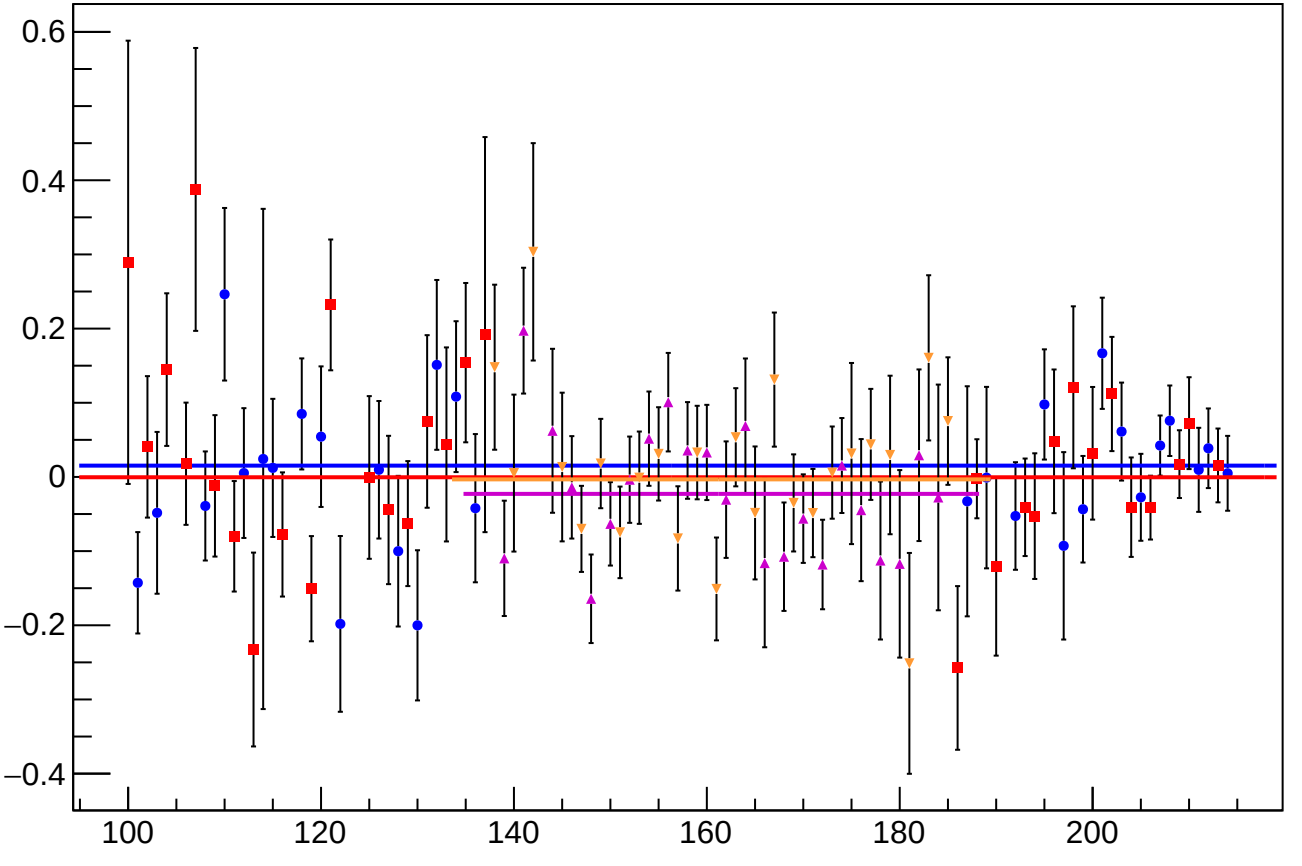
Right: 0.003+/-0.000 χ^2/NDF: 18354518.2/61

In: 0.003+/-0.000 χ^2/NDF:12847711.8/52

Out: 0.003+/-0.000 χ^2/NDF:10398851.7/55

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

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

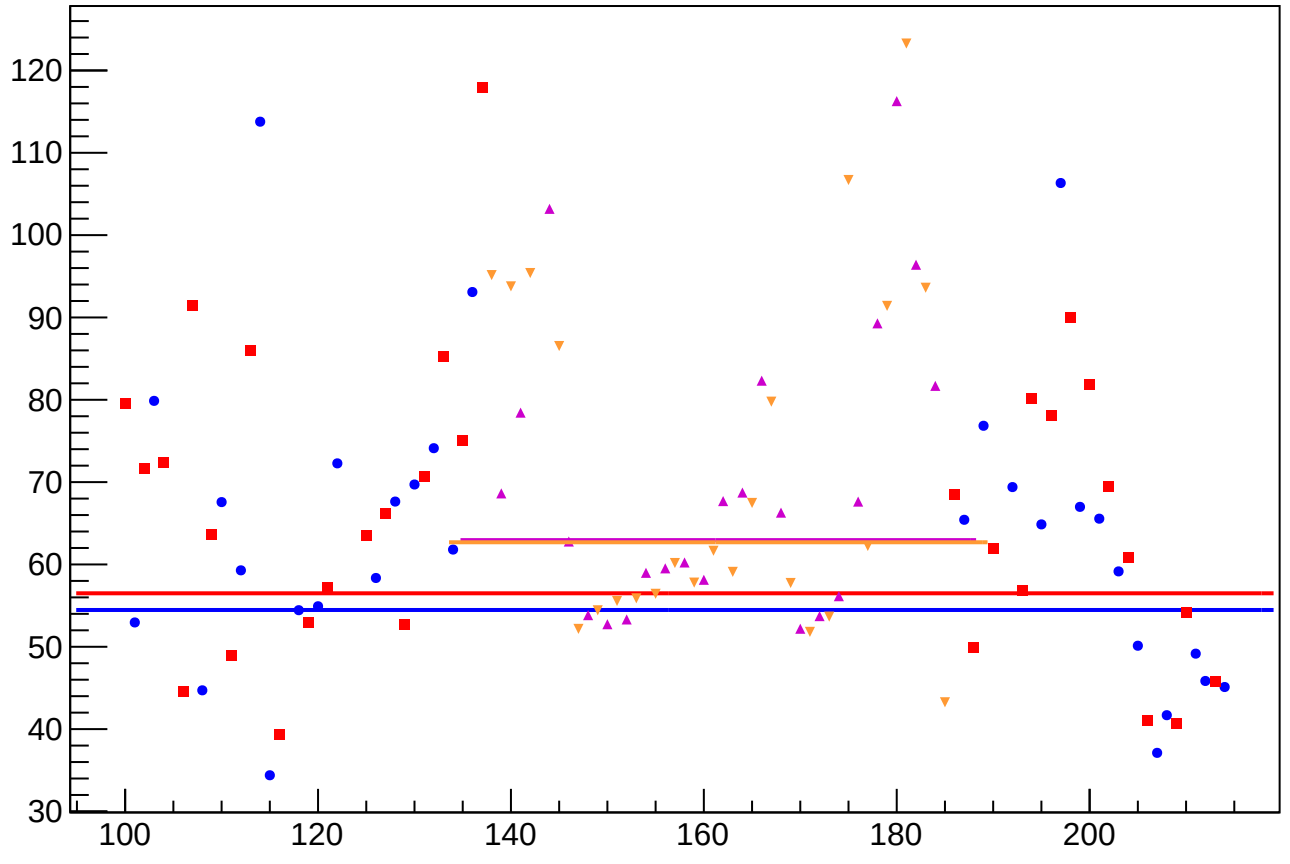
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.008+/-0.010 χ^2/NDF: 76.1/61

In: -0.002+/-0.010 χ^2/NDF:66.2/52

Out: -0.002+/-0.010 χ^2/NDF:67.5/55

All: -0.002+/-0.007 χ^2/NDF: 133.8/108



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

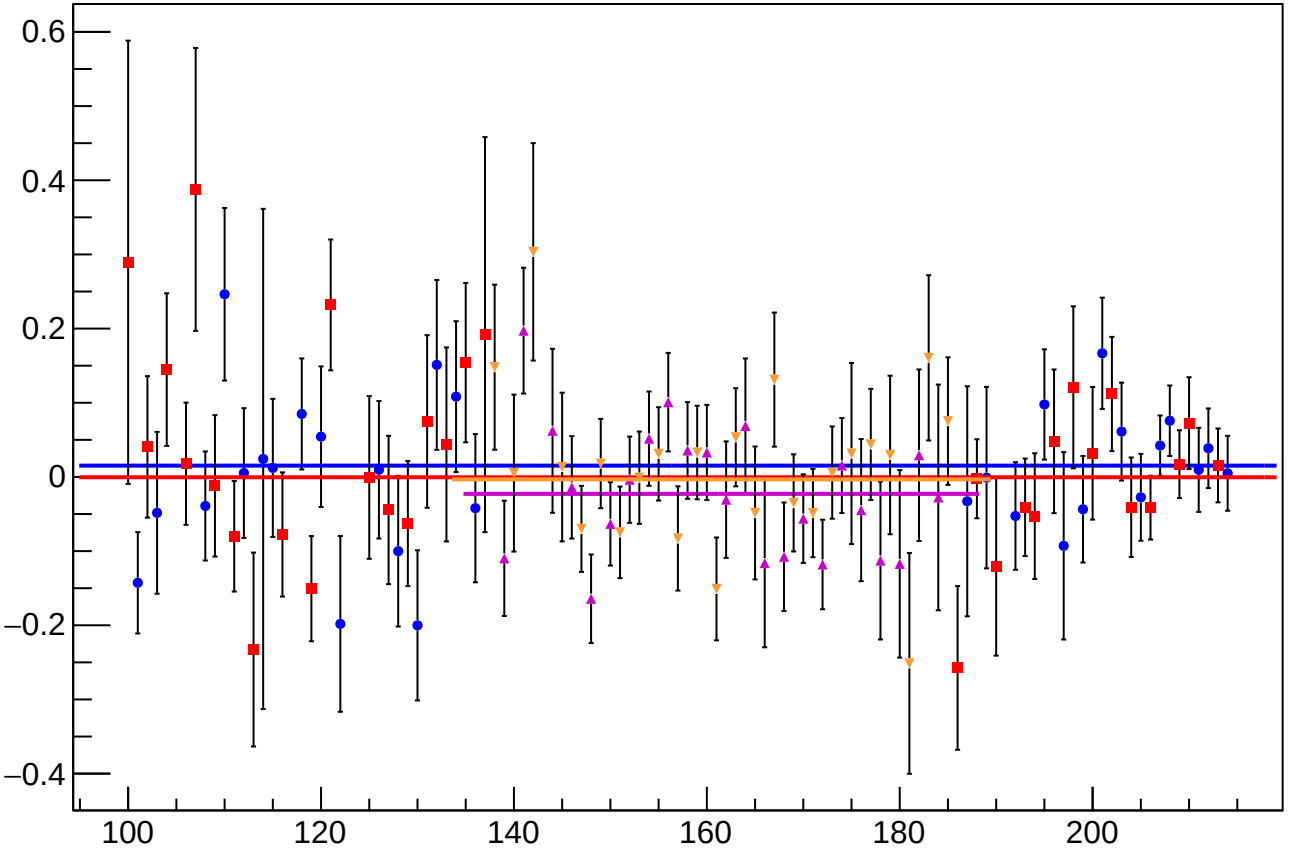
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 55.457+/-0.007 χ^2/NDF: 4247688.3/61

In: 58.206+/-0.007 χ^2/NDF:3905815.9/52

Out: 59.304+/-0.007 χ^2/NDF:4201442.6/55

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



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

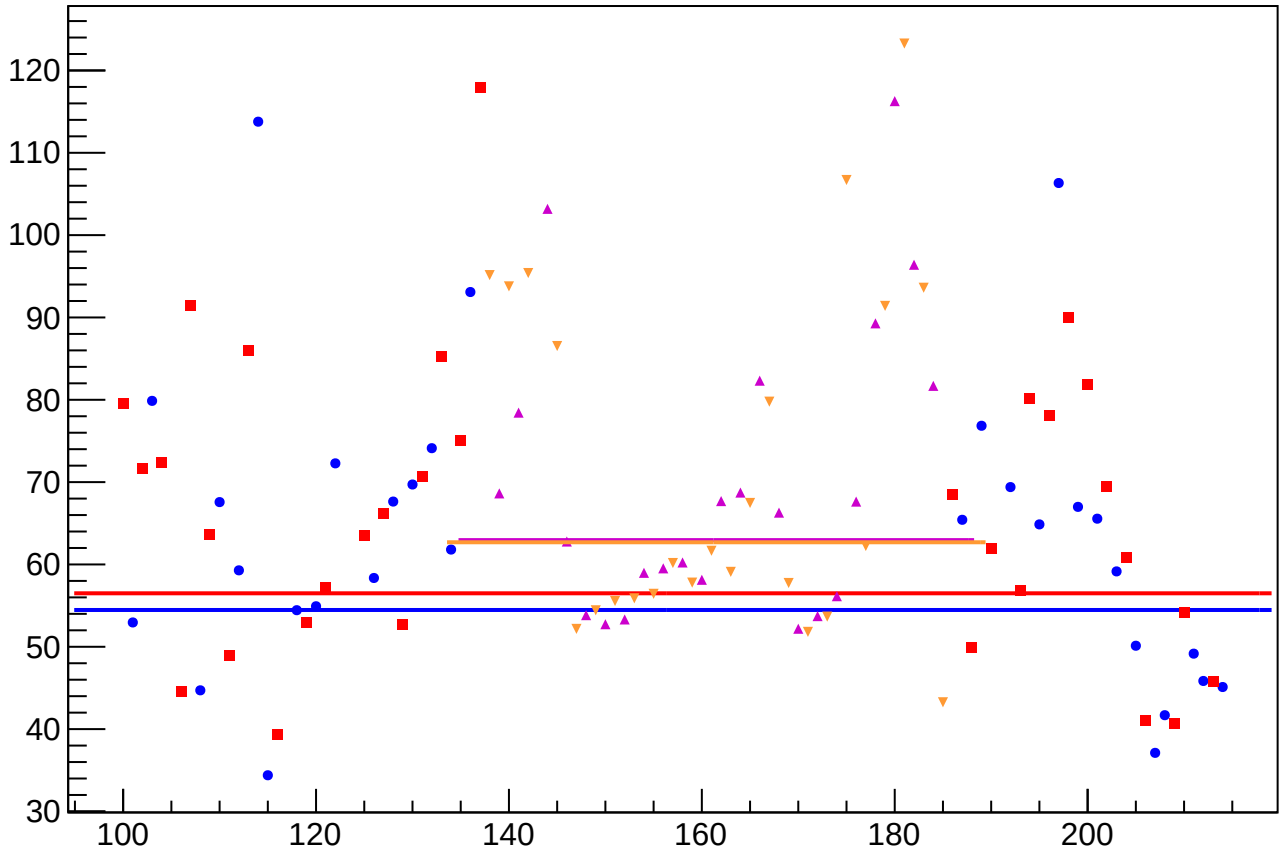
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.008+/-0.010 χ^2/NDF: 76.1/61

In: -0.002+/-0.010 χ^2/NDF:66.2/52

Out: -0.002+/-0.010 χ^2/NDF:67.5/55

All: -0.002+/-0.007 χ^2/NDF: 133.8/108



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

Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

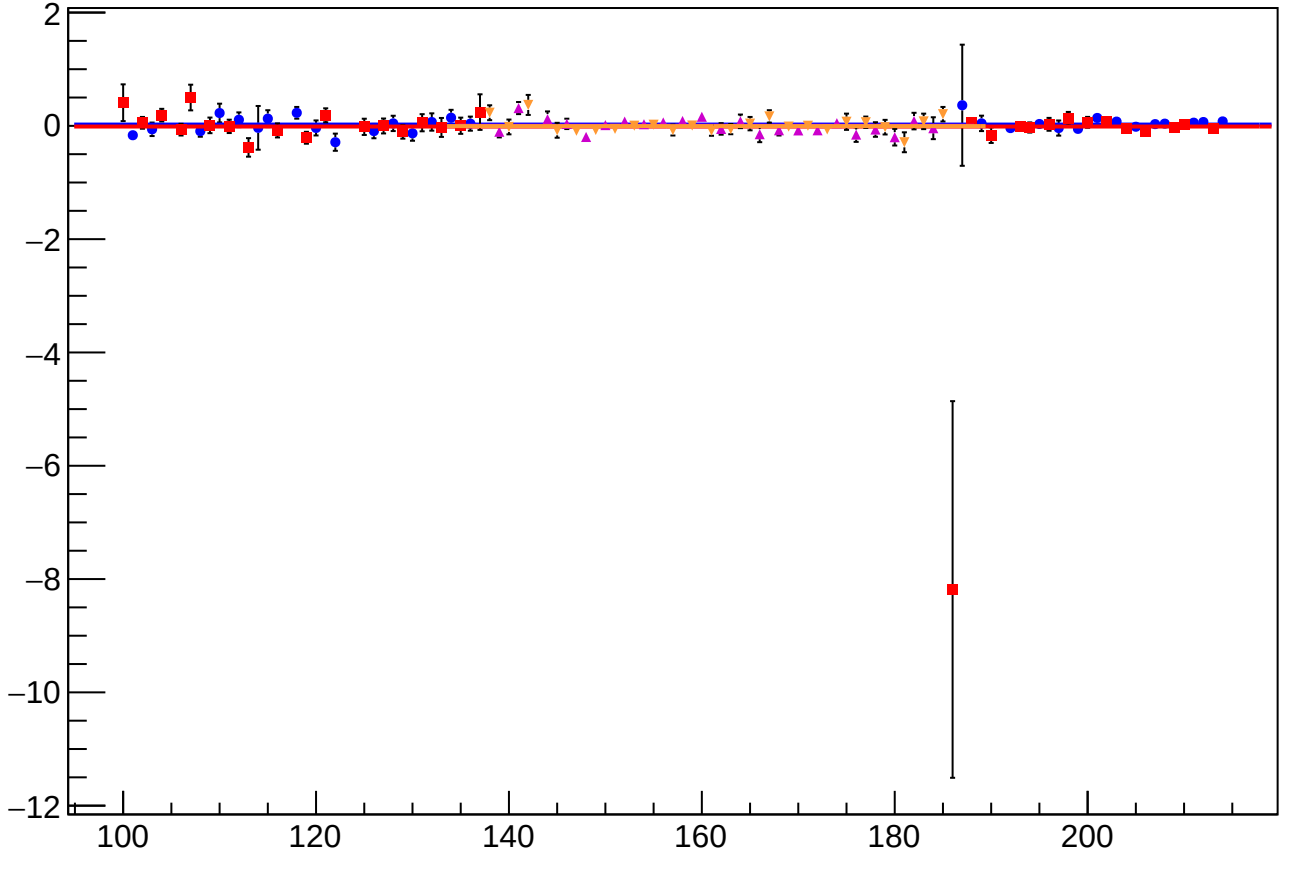
Right: 55.457+/-0.007 χ^2/NDF: 4247688.3/61

In: 58.206+/-0.007 χ^2/NDF:3905815.9/52

Out: 59.304+/-0.007 χ^2/NDF:4201442.6/55

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

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

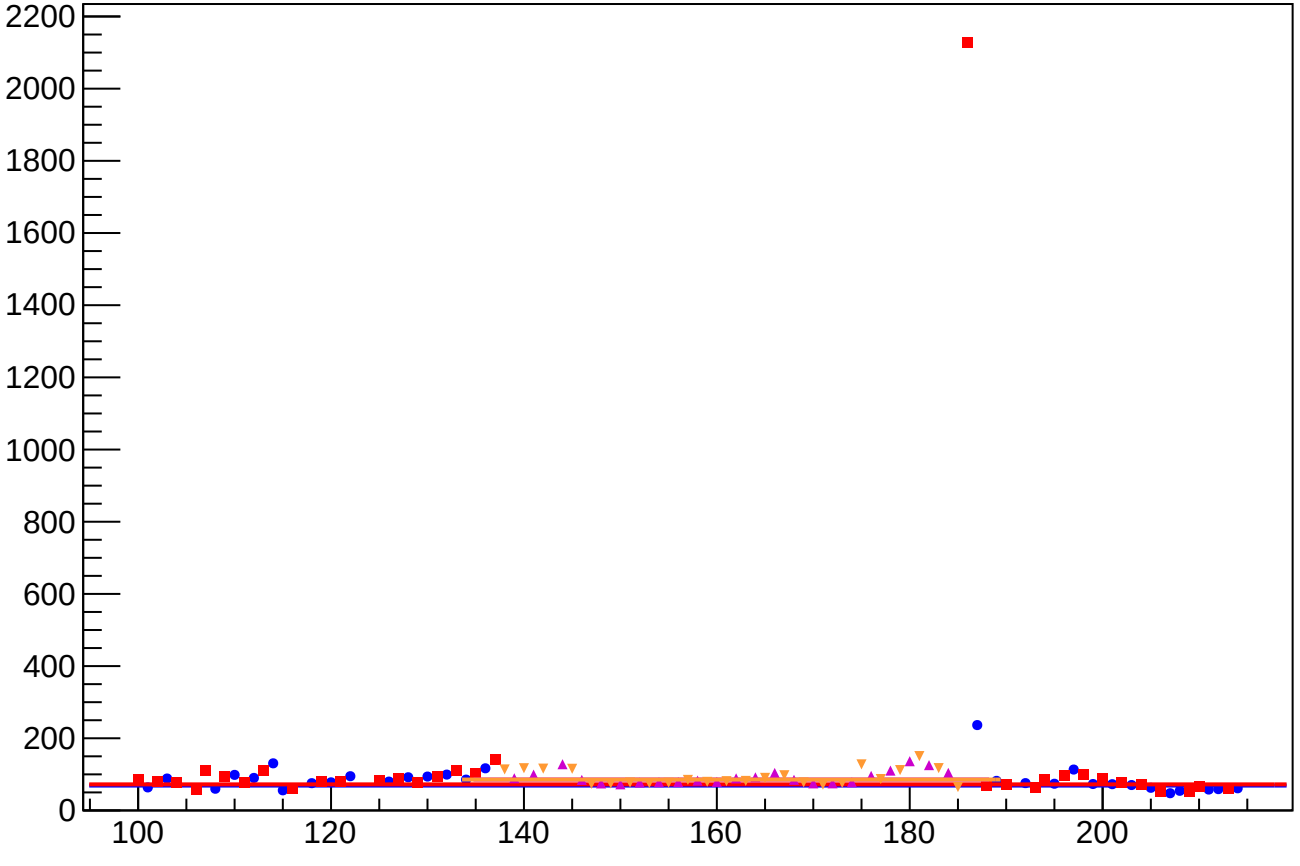
Right: 0.006+/-0.012 χ^2/NDF: 68.3/61

In: 0.014+/-0.013 χ^2/NDF:58.6/52

Out: -0.009+/-0.014 χ^2/NDF:60.4/55

All: 0.003+/-0.009 χ^2/NDF: 120.4/108

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

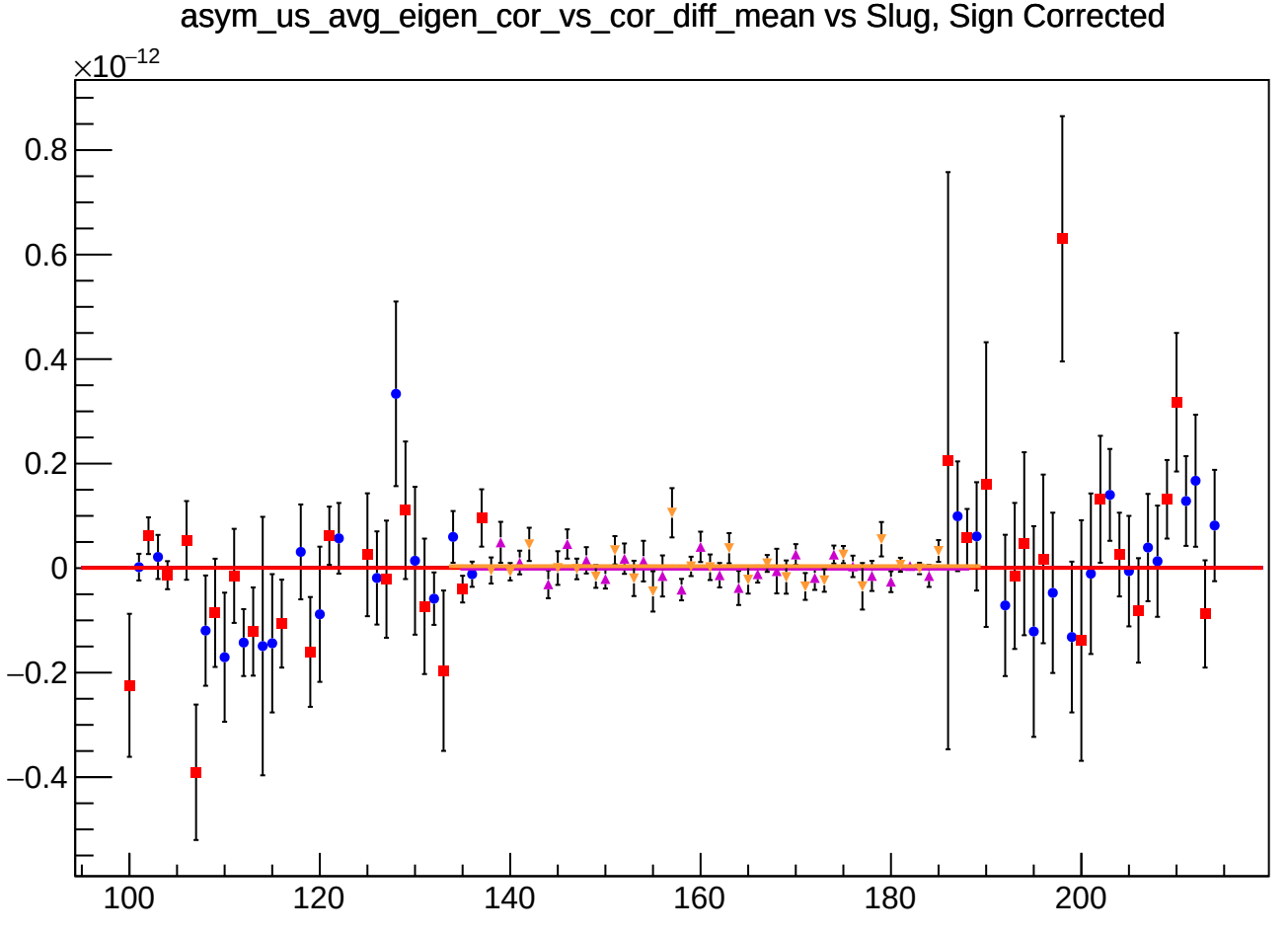
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 70.559+/-0.009 χ^2/NDF: 4138677.7/61

In: 75.778+/-0.009 χ^2/NDF:3562621.8/52

Out: 77.983+/-0.010 χ^2/NDF:4142003.8/55

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



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

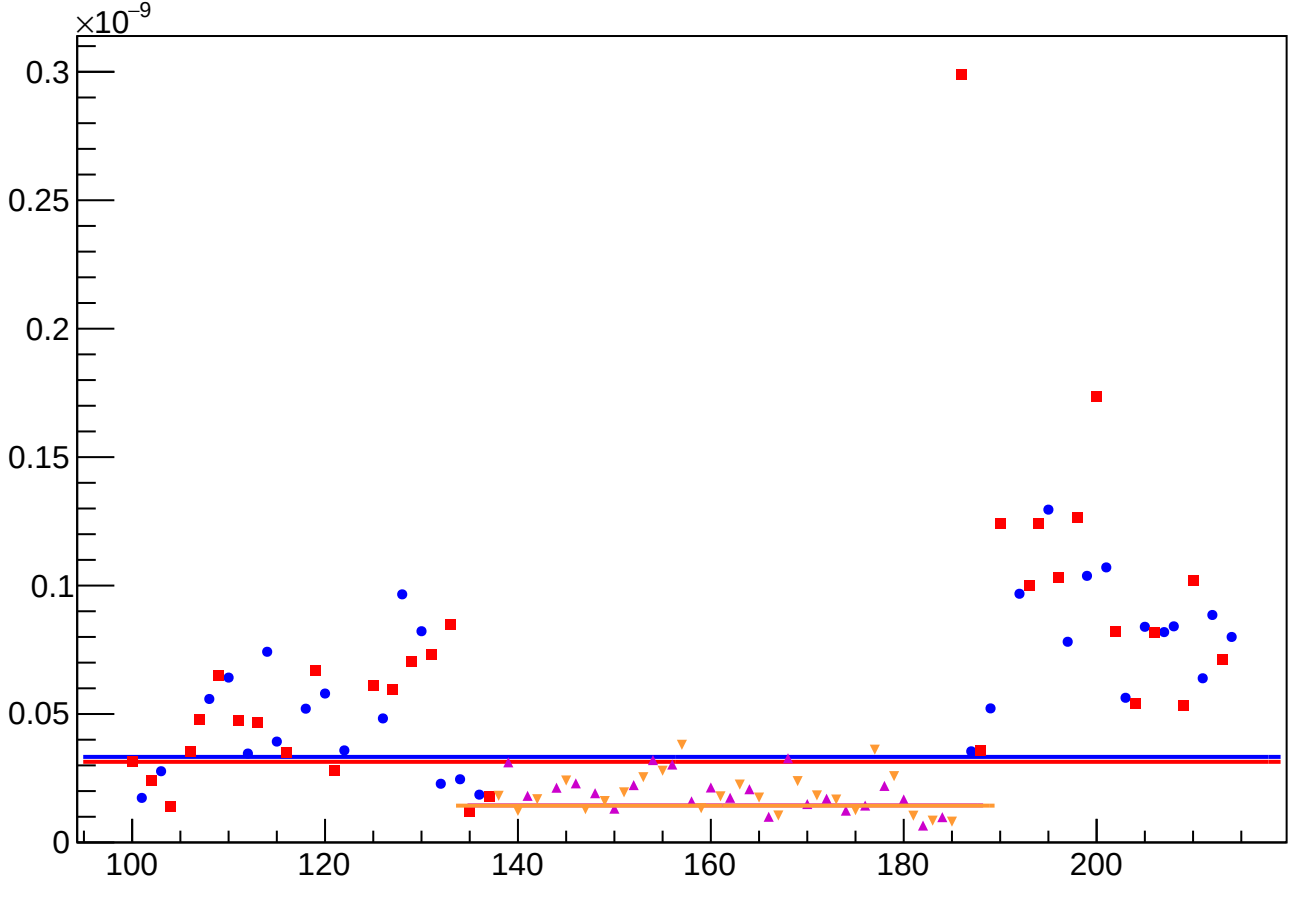
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: 0.000+/-0.000 χ^2/NDF: 80.6/61

In: -0.000+/-0.000 χ^2/NDF:51.7/52

Out: 0.000+/-0.000 χ^2/NDF:77.6/55

All: 0.000+/-0.000 χ^2/NDF: 129.8/108



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

Left: 0.000+/-0.000 χ^2/NDF: 7867648.9/46

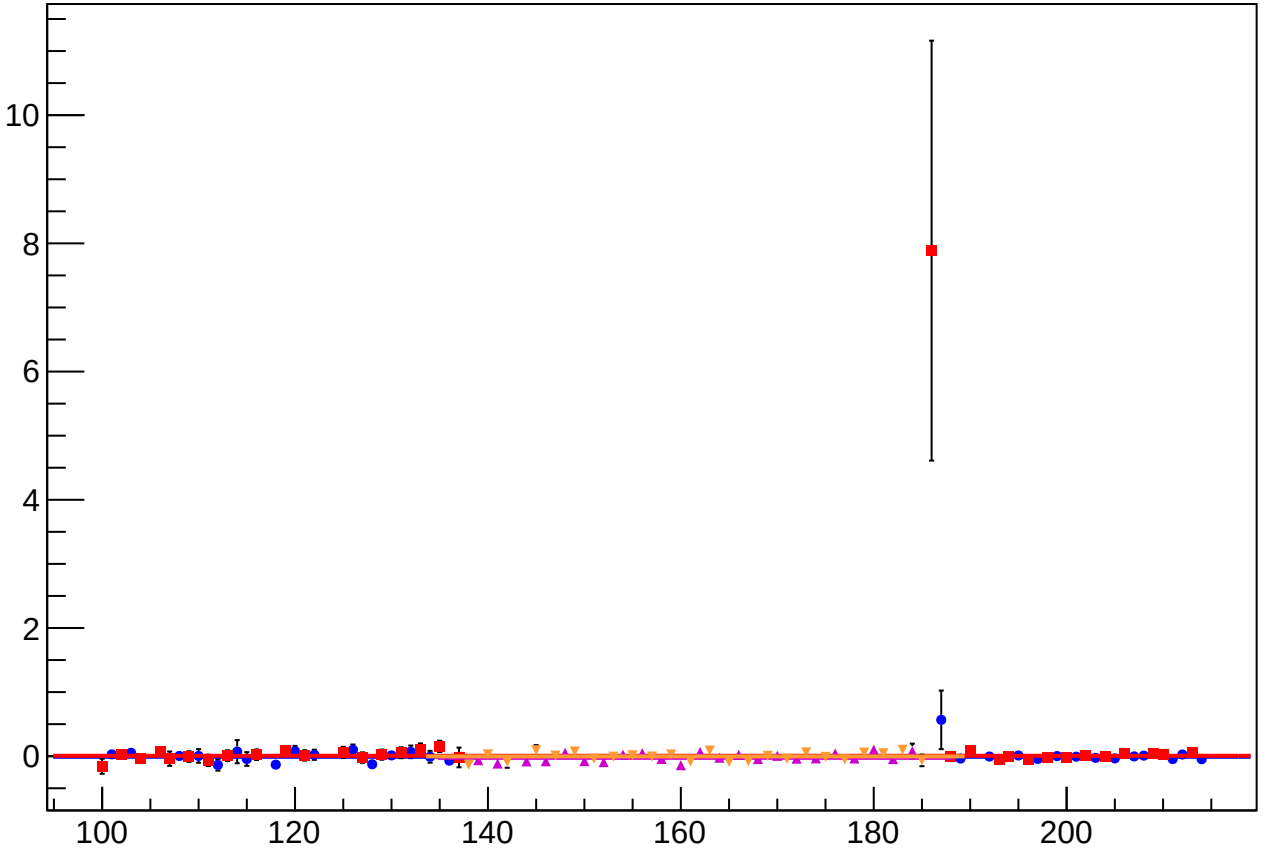
Right: 0.000+/-0.000 χ^2/NDF: 16302888.0/61

In: 0.000+/-0.000 χ^2/NDF:15815463.6/52

Out: 0.000+/-0.000 χ^2/NDF:16067649.9/55

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

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

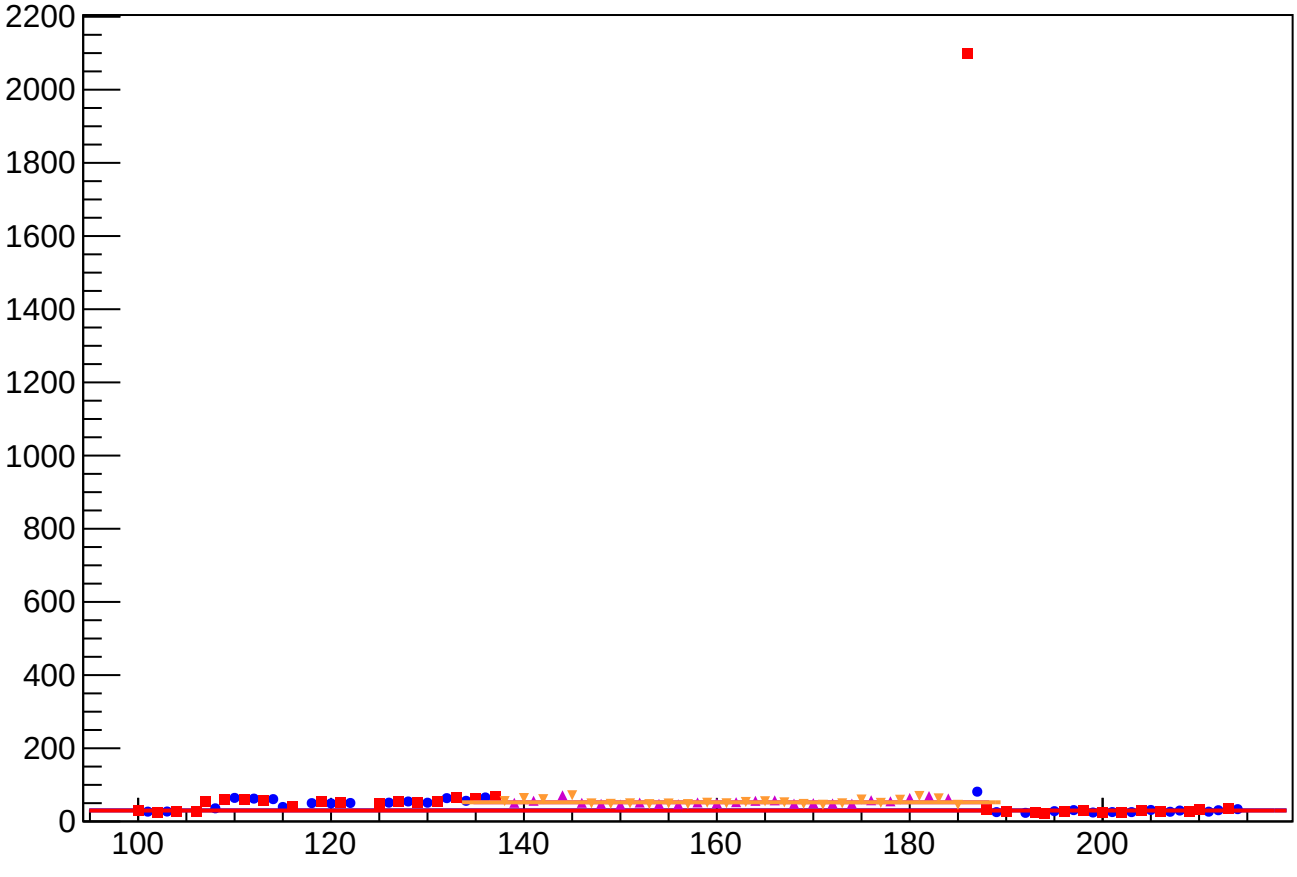
Right: -0.001+/-0.005 χ^2/NDF: 62.9/61

In: -0.013+/-0.007 χ^2/NDF:50.1/52

Out: 0.004+/-0.006 χ^2/NDF:59.9/55

All: -0.005+/-0.005 χ^2/NDF: 113.5/108

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 52.425+/-0.006 χ^2/NDF: 967418.6/46

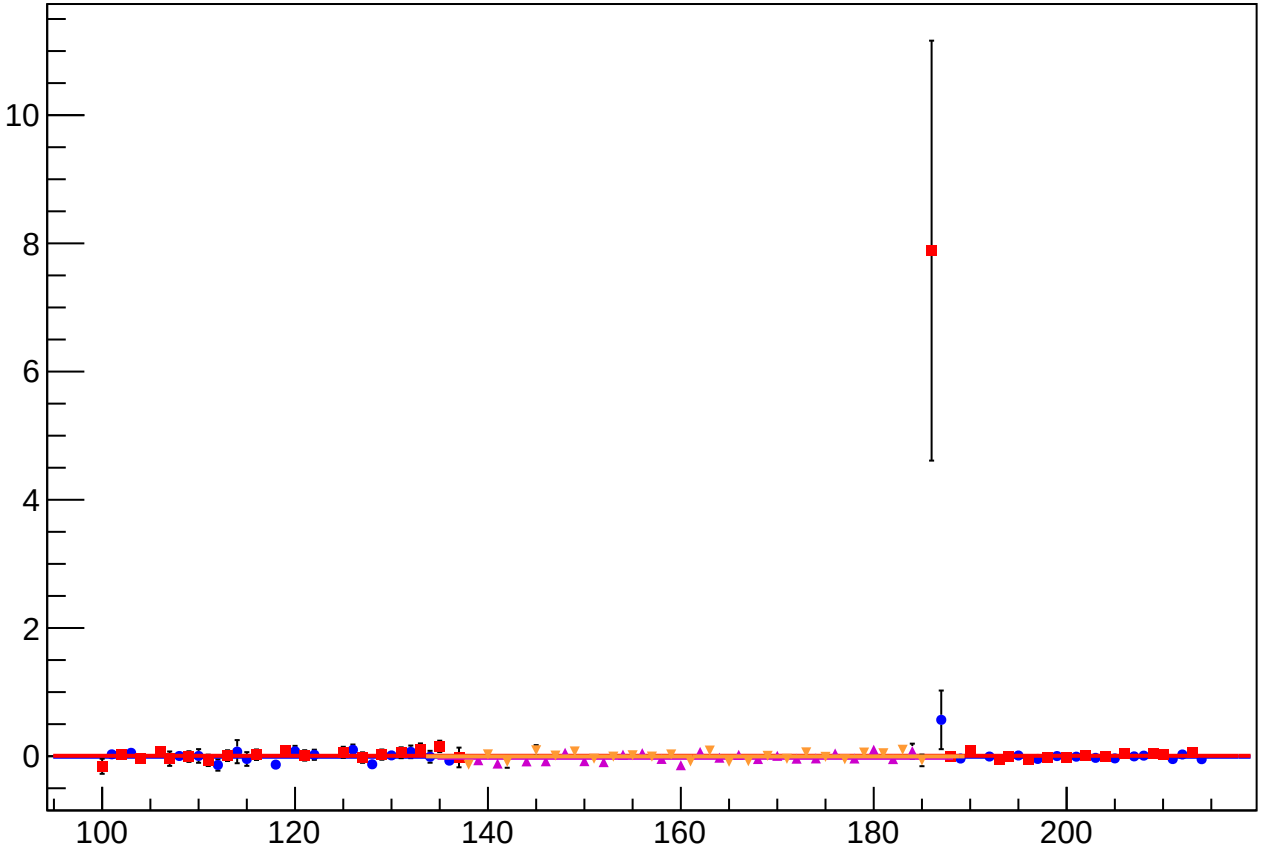
Right: 30.082+/-0.004 χ^2/NDF: 6761088.9/61

In: 36.366+/-0.005 χ^2/NDF:7887172.4/52

Out: 35.931+/-0.005 χ^2/NDF:9198027.5/55

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

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

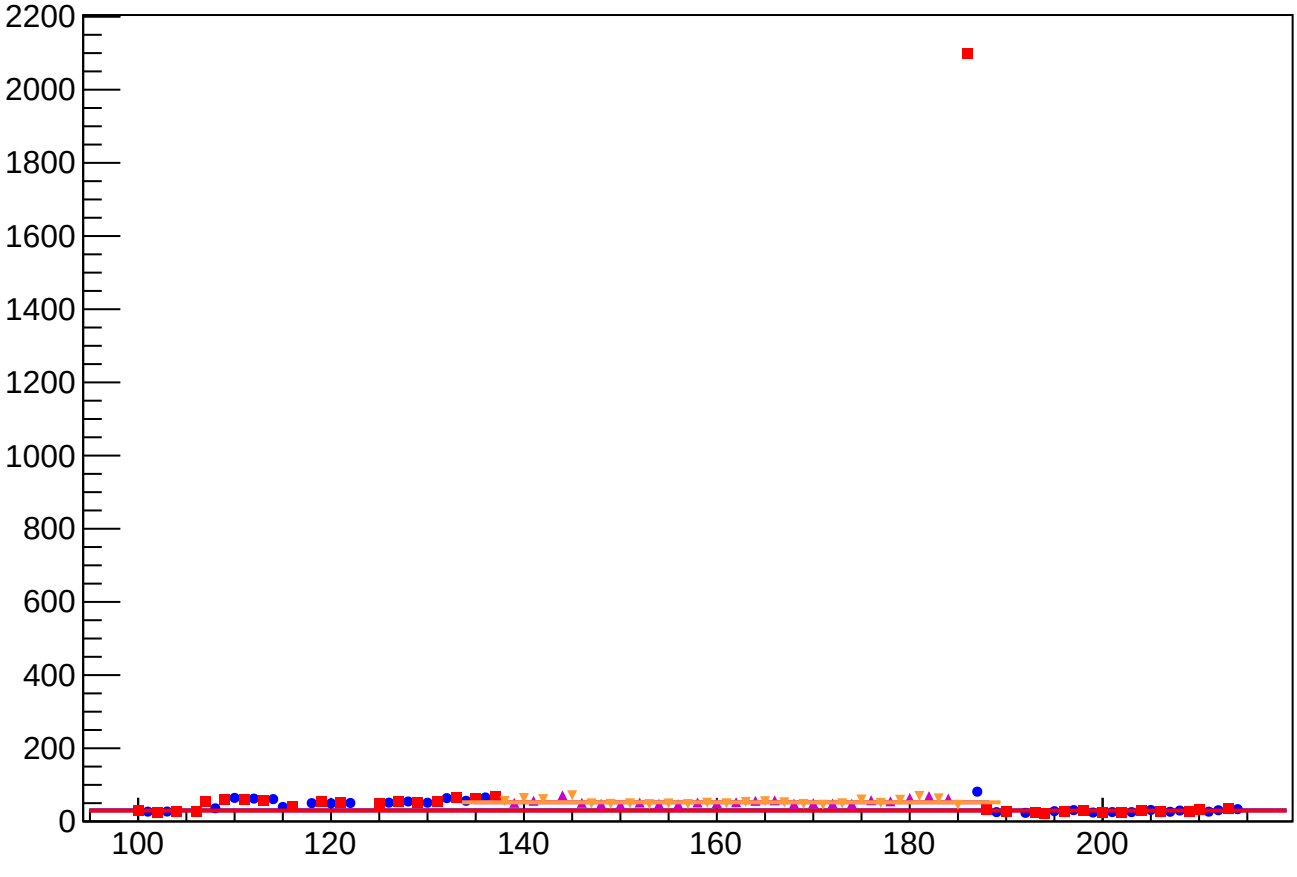
Right: -0.001+/-0.005 χ^2/NDF: 62.9/61

In: -0.013+/-0.007 χ^2/NDF:50.1/52

Out: 0.004+/-0.006 χ^2/NDF:59.9/55

All: -0.005+/-0.005 χ^2/NDF: 113.5/108

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 52.425+/-0.006 χ^2/NDF: 967418.6/46

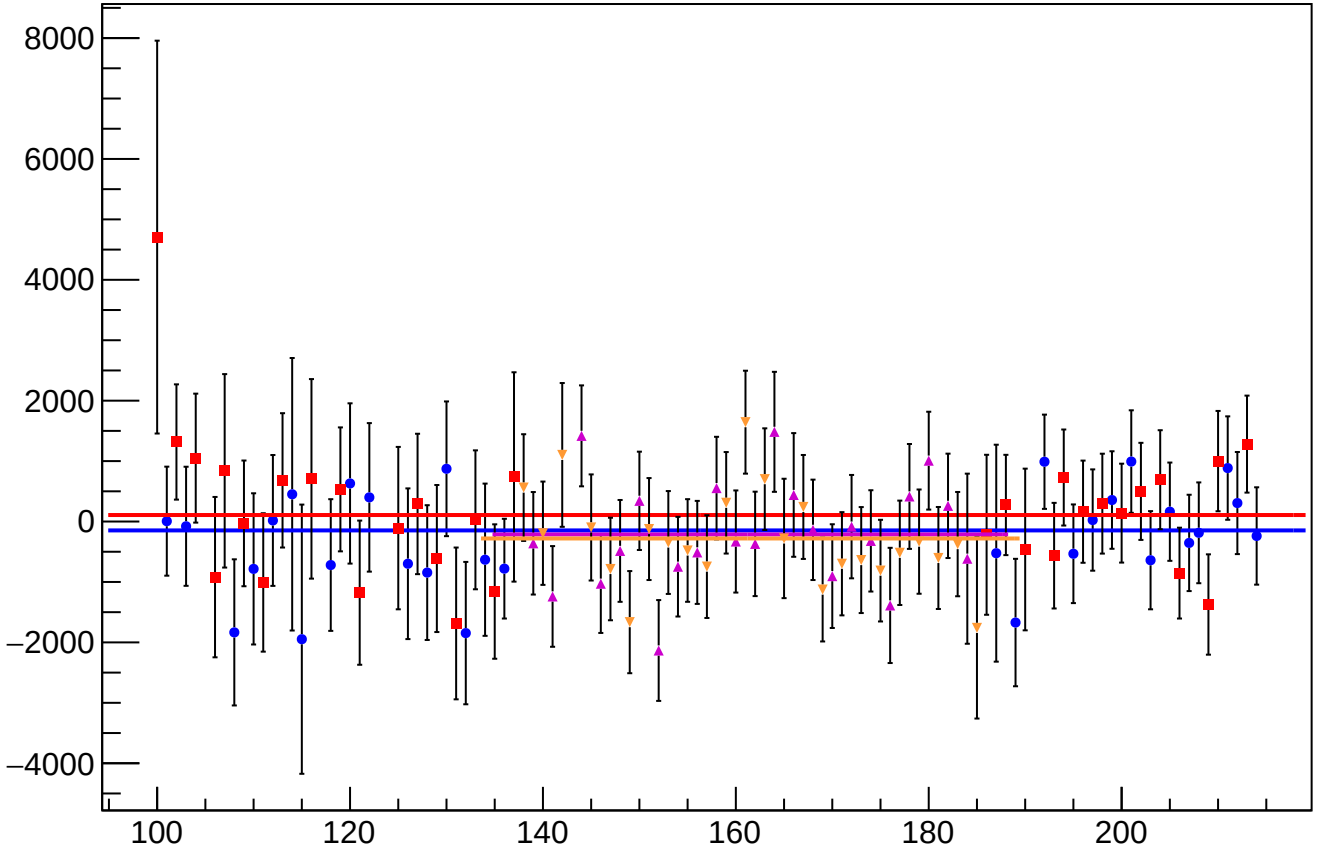
Right: 30.082+/-0.004 χ^2/NDF: 6761088.9/61

In: 36.366+/-0.005 χ^2/NDF:7887172.4/52

Out: 35.931+/-0.005 χ^2/NDF:9198027.5/55

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

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

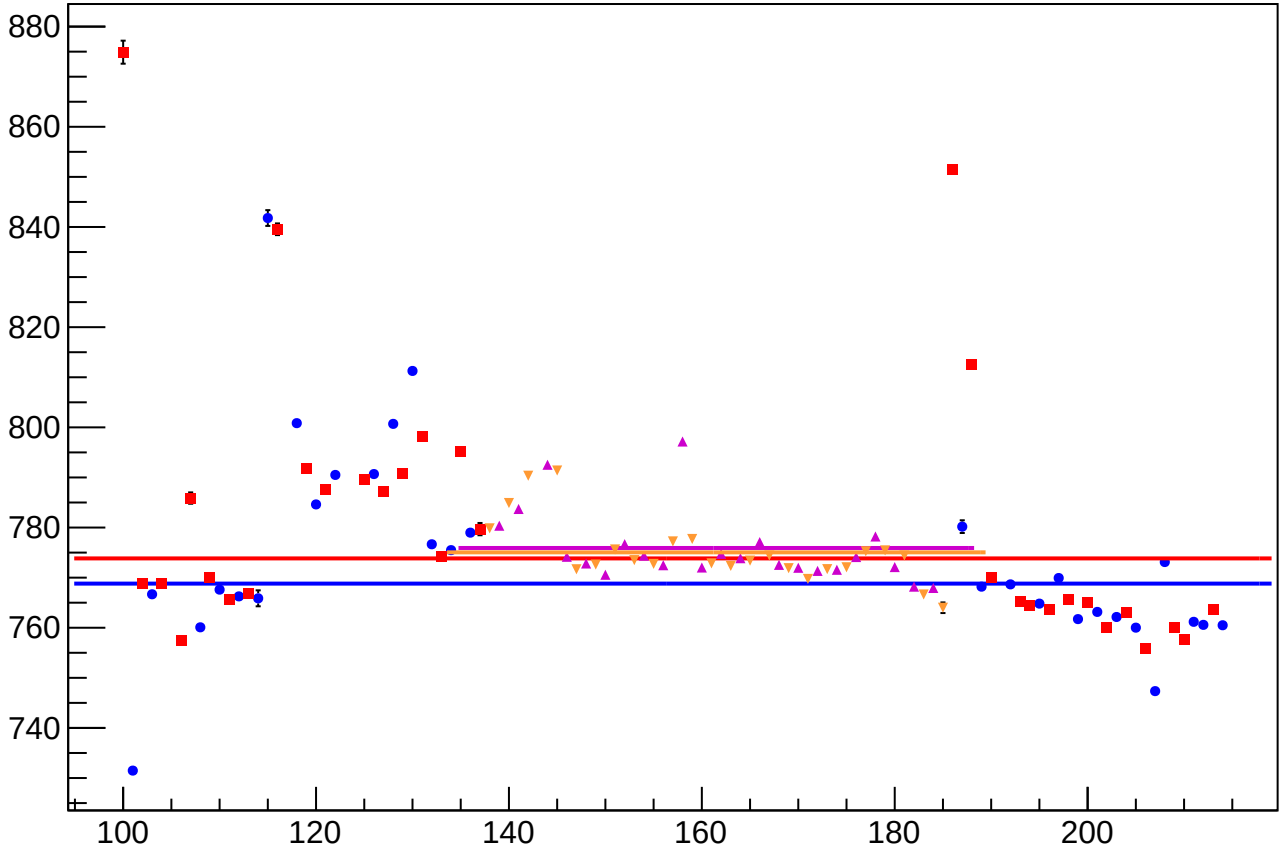
Right: -19.435+/-126.821 χ^2/NDF: 40.3/61

In: -179.911+/-127.520 χ^2/NDF:39.5/52

Out: -85.603+/-126.947 χ^2/NDF:40.6/55

All: -132.545+/-89.967 χ^2/NDF: 80.4/108

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

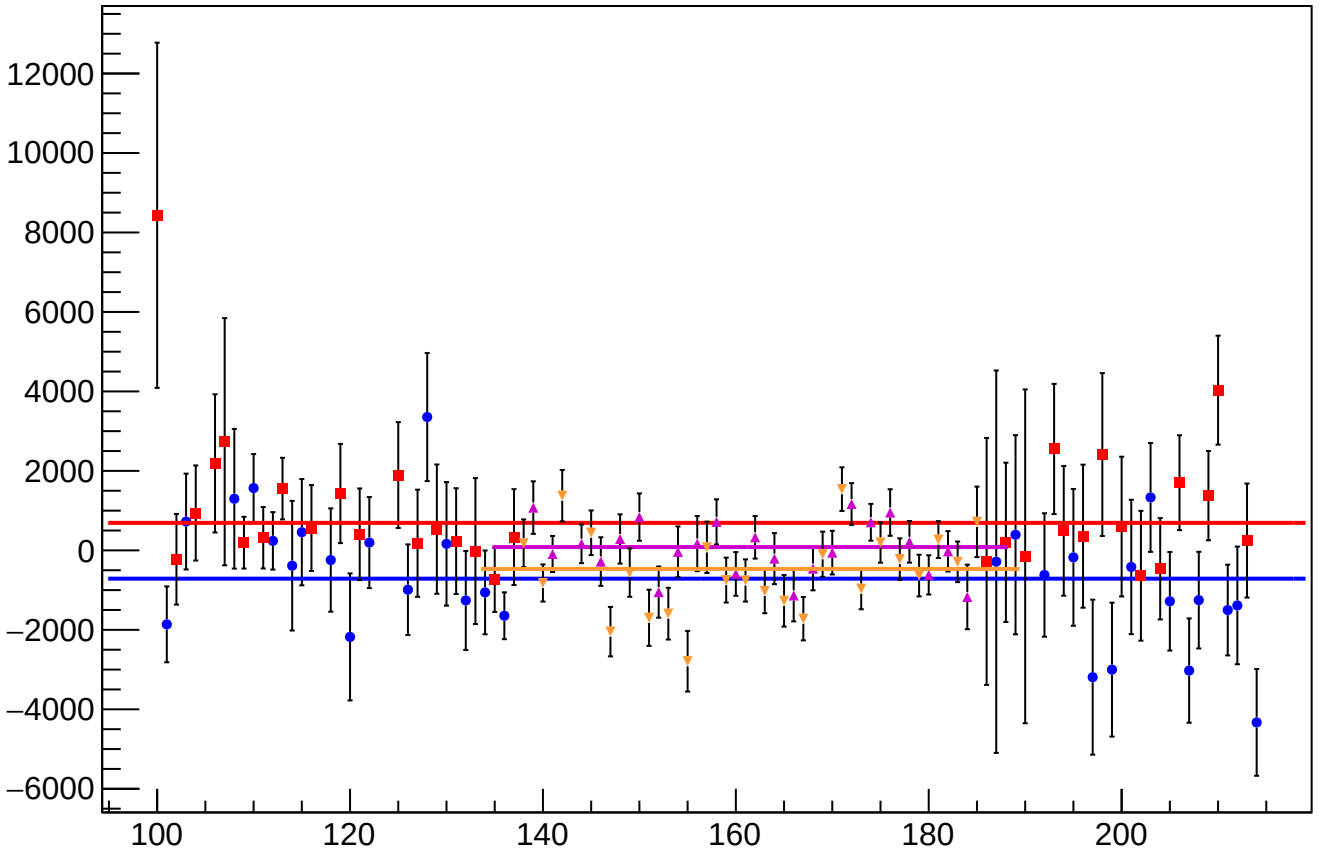
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 771.329+/-0.090 χ^2/NDF: 42858.9/61

In: 772.334+/-0.090 χ^2/NDF:21274.9/52

Out: 774.442+/-0.090 χ^2/NDF:27322.5/55

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



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

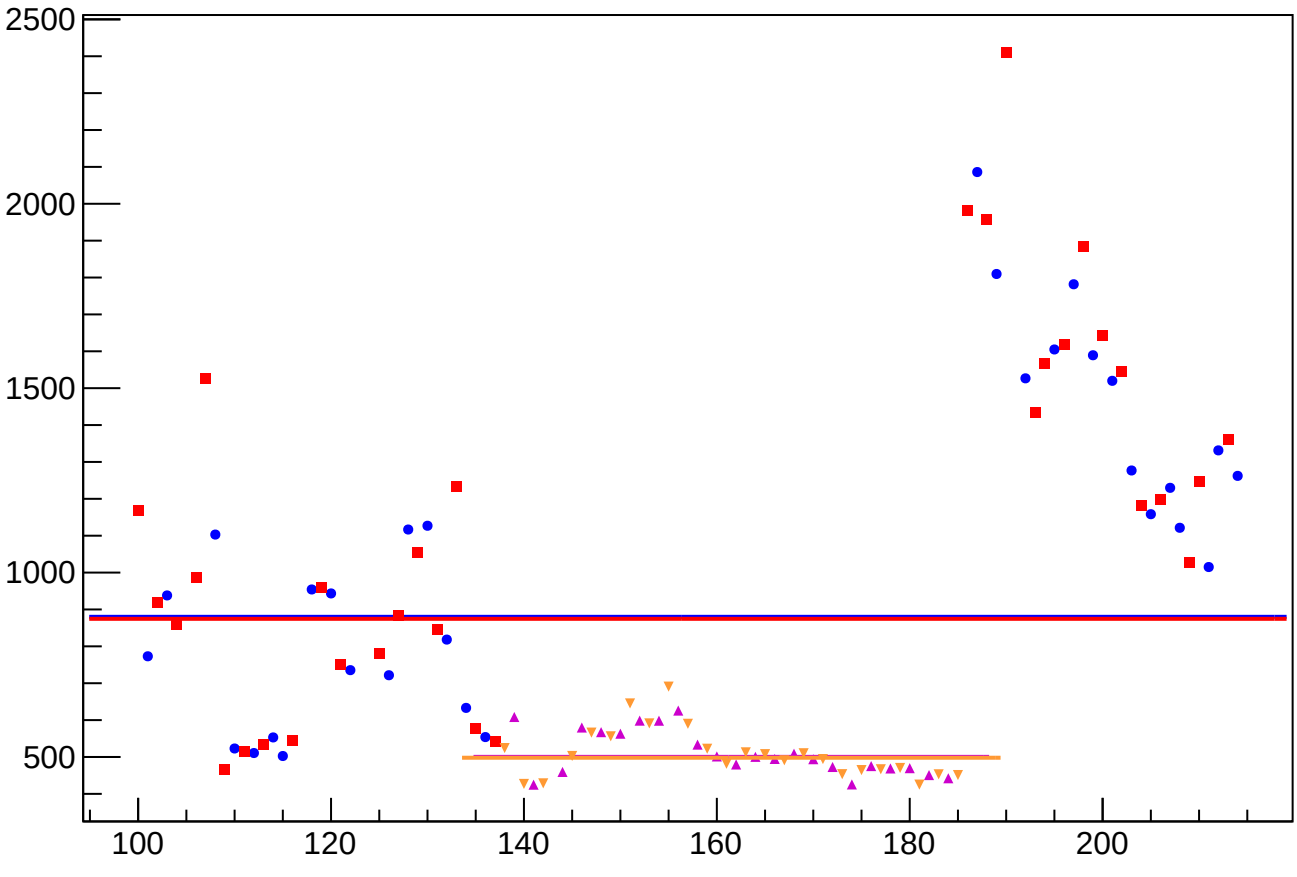
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -13.215+/-157.737 χ^2/NDF: 85.1/61

In: -90.921+/-104.116 χ^2/NDF:80.5/52

Out: -218.898+/-103.469 χ^2/NDF:108.4/55

All: -155.309+/-73.391 χ^2/NDF: 189.7/108



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

Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

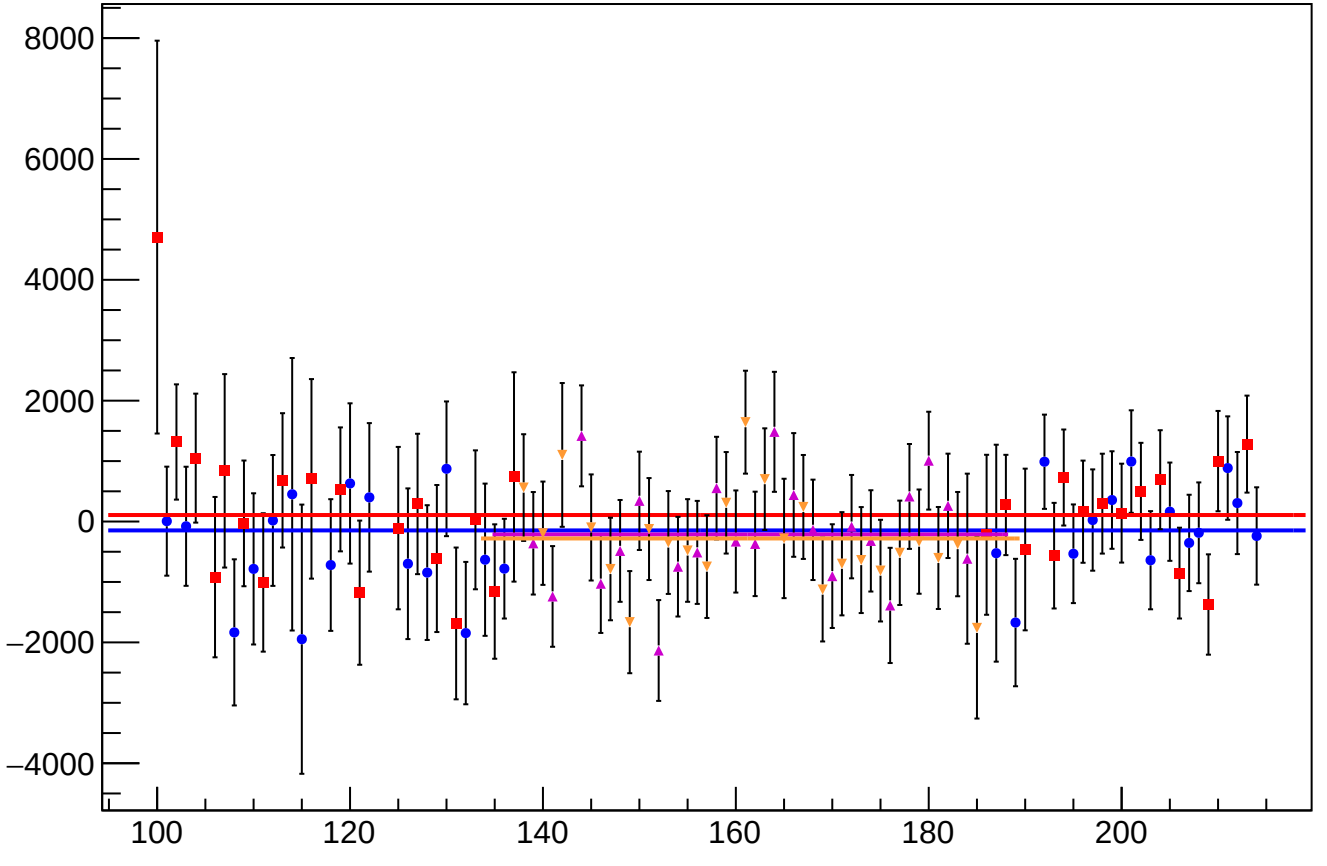
Right: 877.346+/-0.112 χ^2/NDF: 11493005.7/61

In: 583.440+/-0.074 χ^2/NDF:10134339.4/52

Out: 578.598+/-0.073 χ^2/NDF:11370819.5/55

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

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

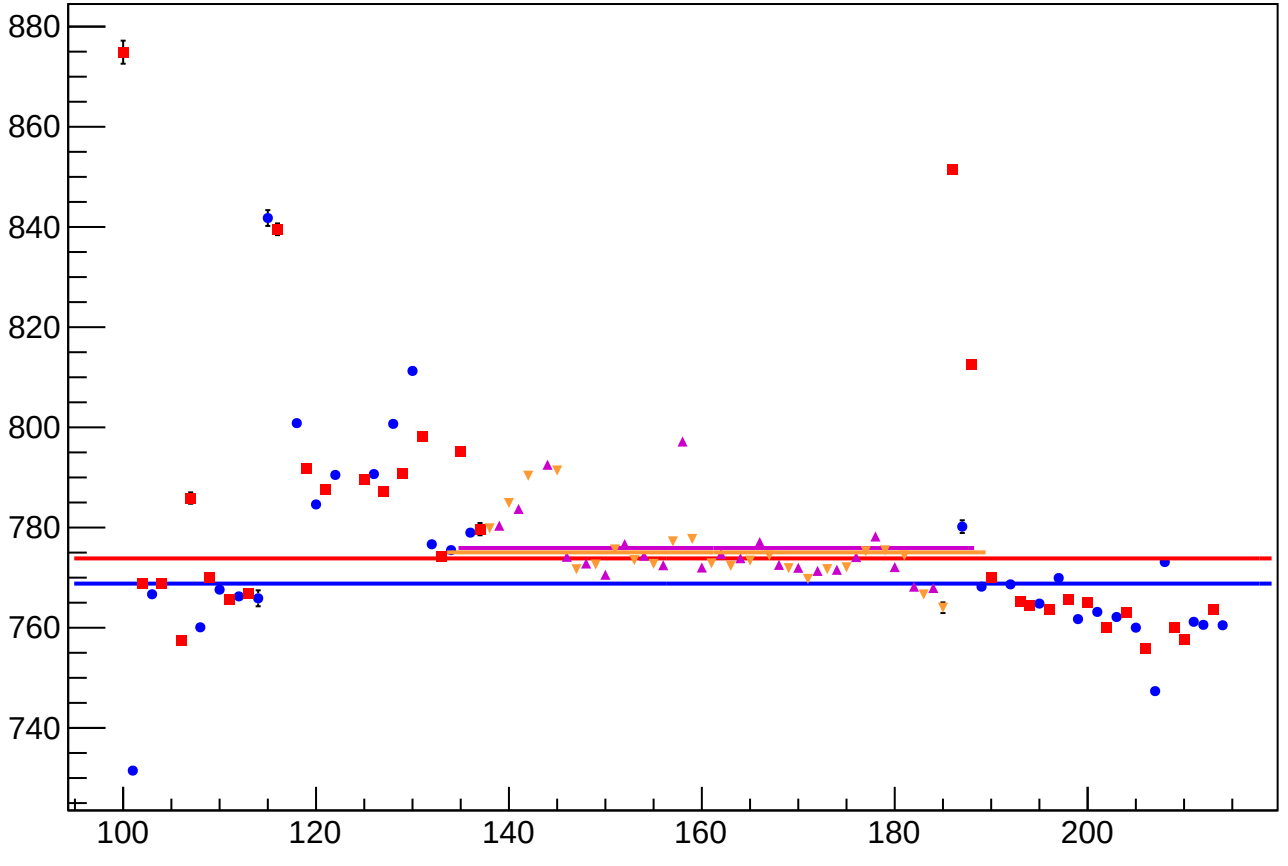
Right: -19.435+/-126.821 χ^2/NDF: 40.3/61

In: -179.911+/-127.520 χ^2/NDF:39.5/52

Out: -85.603+/-126.947 χ^2/NDF:40.6/55

All: -132.545+/-89.967 χ^2/NDF: 80.4/108

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

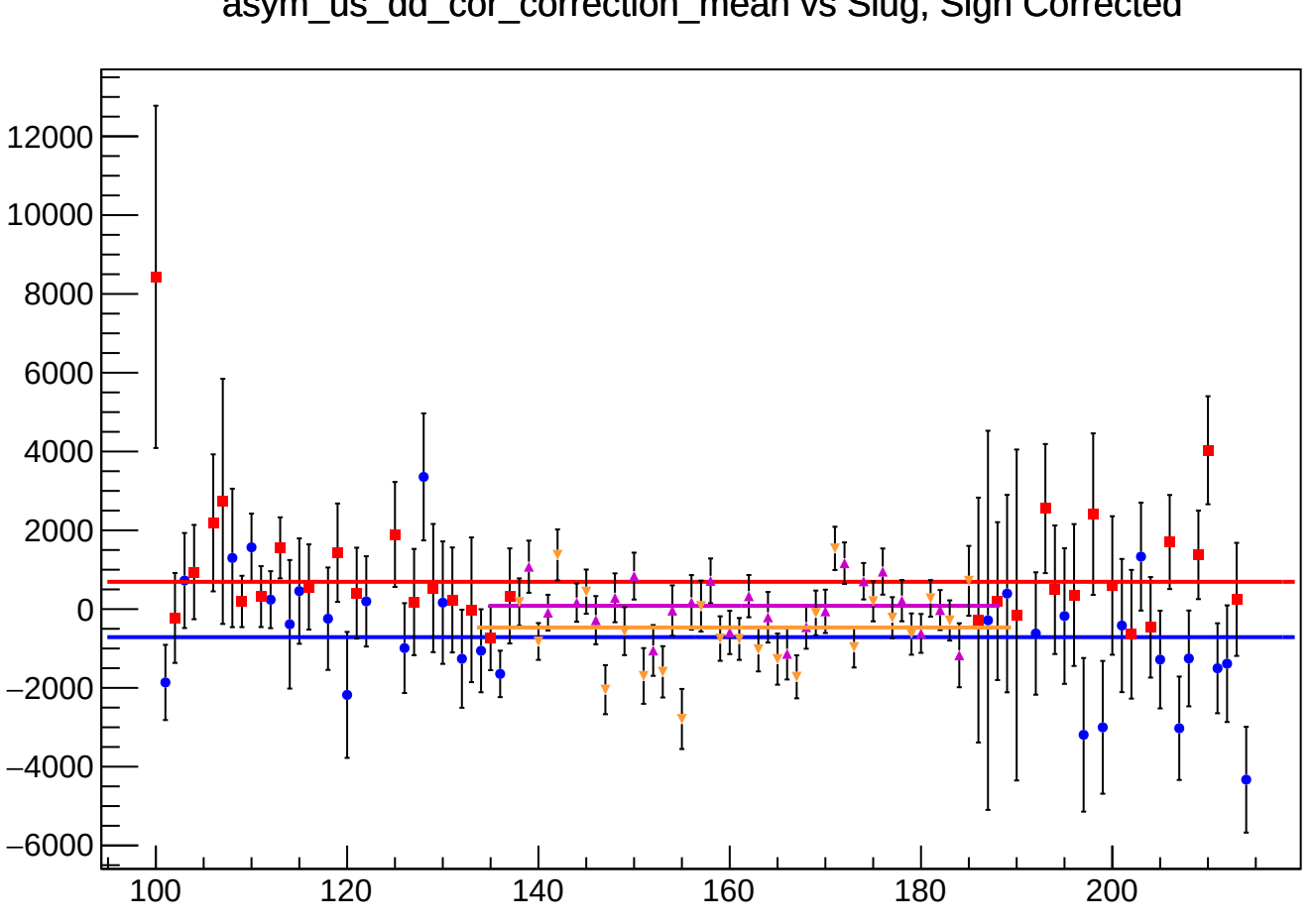
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 771.329+/-0.090 χ^2/NDF: 42858.9/61

In: 772.334+/-0.090 χ^2/NDF:21274.9/52

Out: 774.442+/-0.090 χ^2/NDF:27322.5/55

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



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

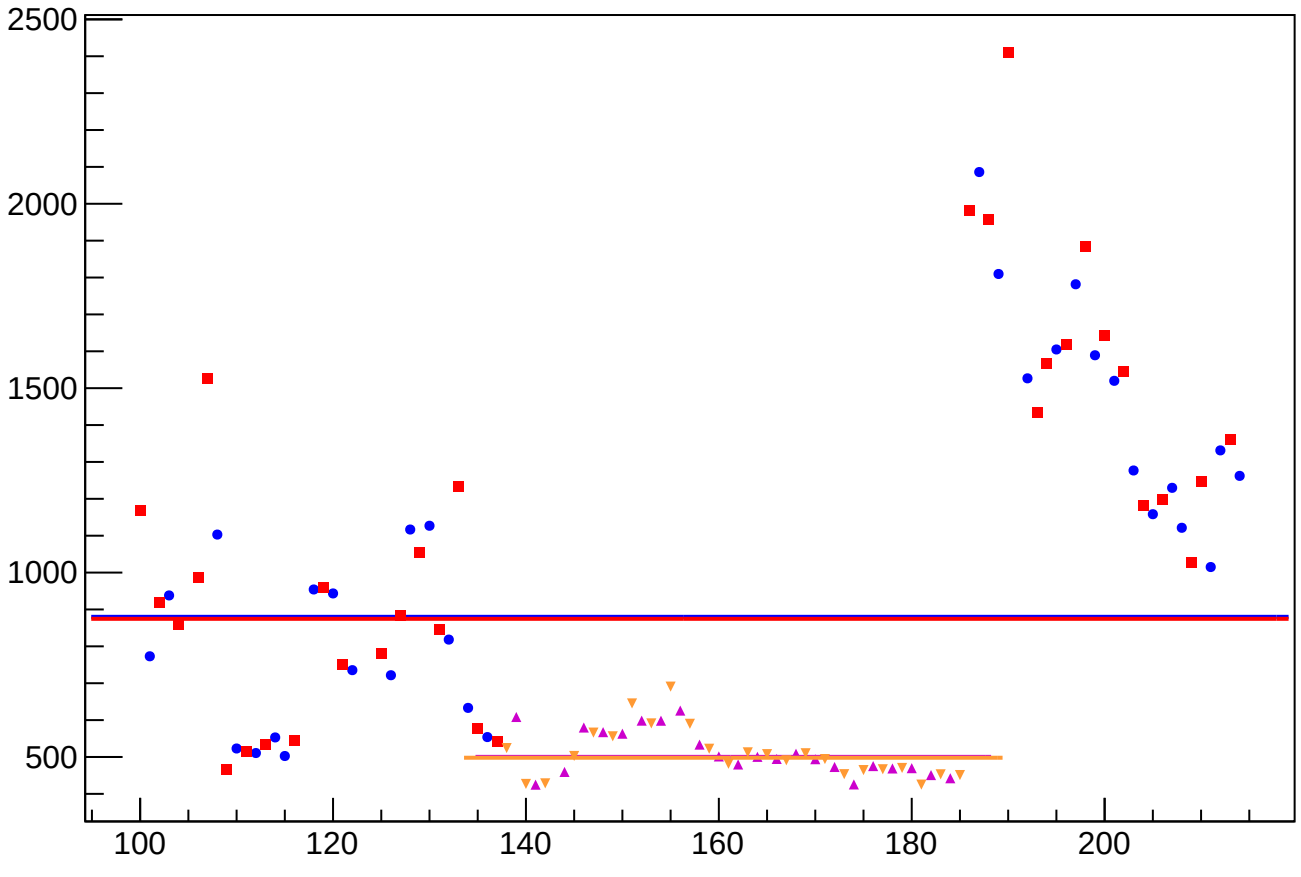
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -13.215+/-157.737 χ^2/NDF: 85.1/61

In: -90.921+/-104.116 χ^2/NDF:80.5/52

Out: -218.898+/-103.469 χ^2/NDF:108.4/55

All: -155.309+/-73.391 χ^2/NDF: 189.7/108



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

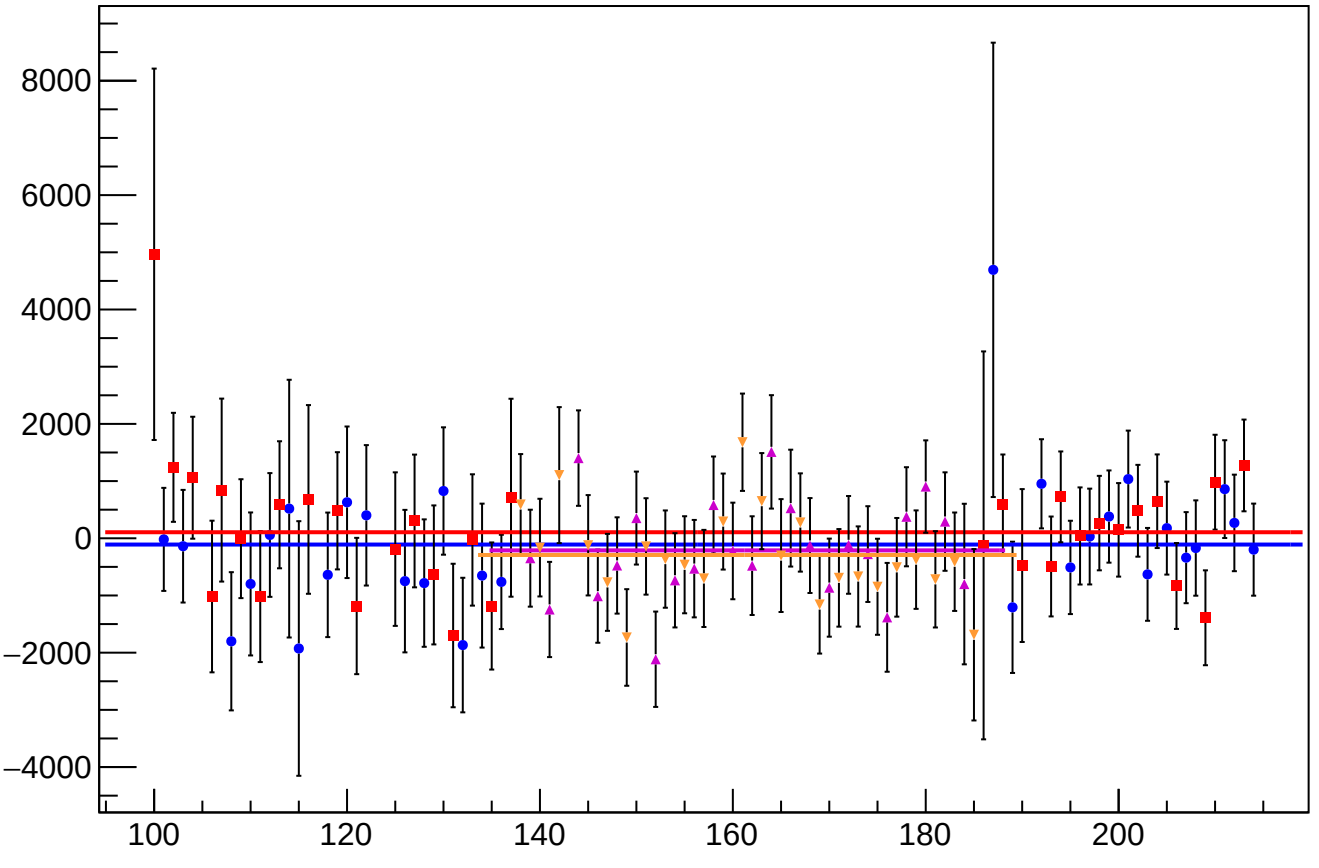
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 877.346+/-0.112 χ^2/NDF: 11493005.7/61

In: 583.440+/-0.074 χ^2/NDF:10134339.4/52

Out: 578.598+/-0.073 χ^2/NDF:11370819.5/55

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



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

Left: -251.924+/-127.496 χ^2/NDF: 38.8/46

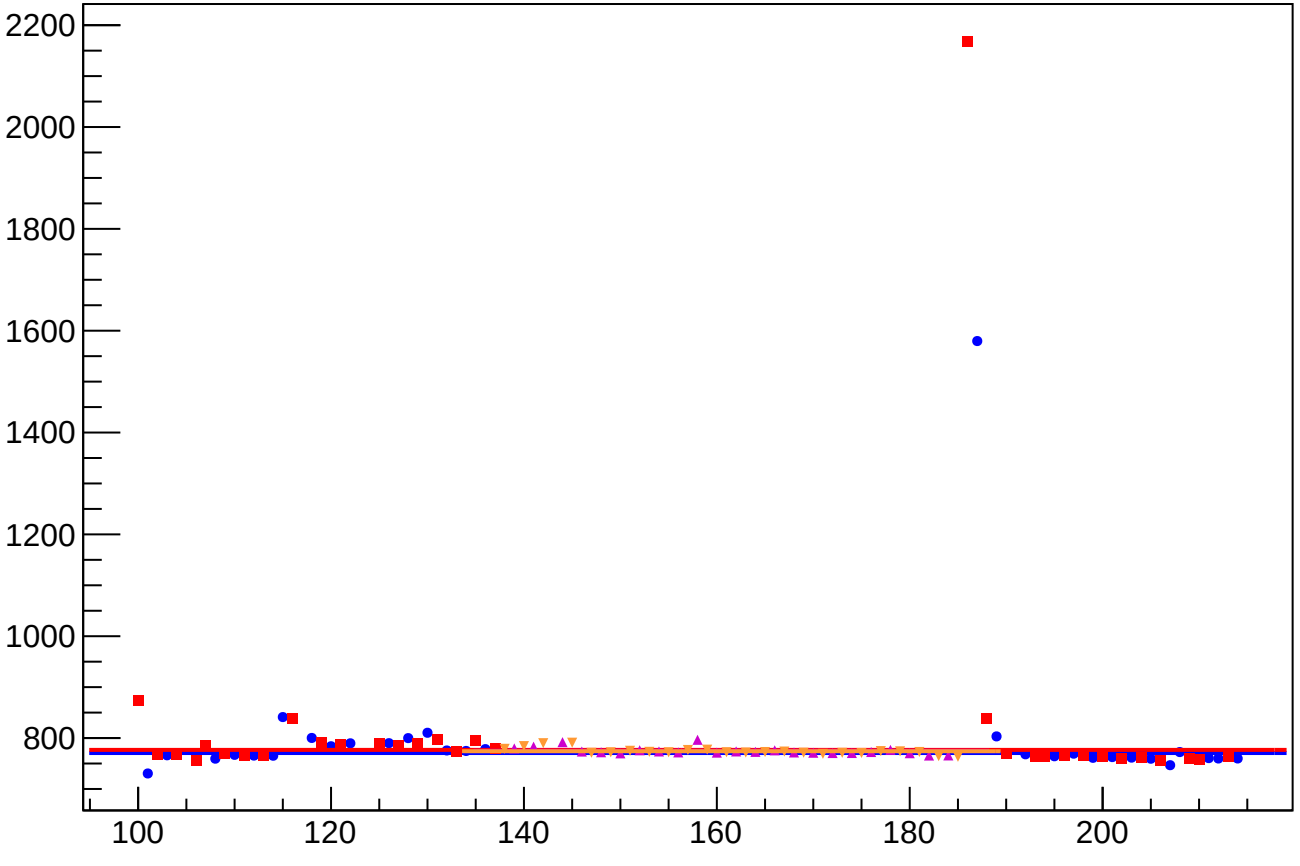
Right: -2.126+/-127.777 χ^2/NDF: 40.0/61

In: -160.266+/-127.792 χ^2/NDF:39.3/52

Out: -94.494+/-127.481 χ^2/NDF:41.4/55

All: -127.300+/-90.253 χ^2/NDF: 80.8/108

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

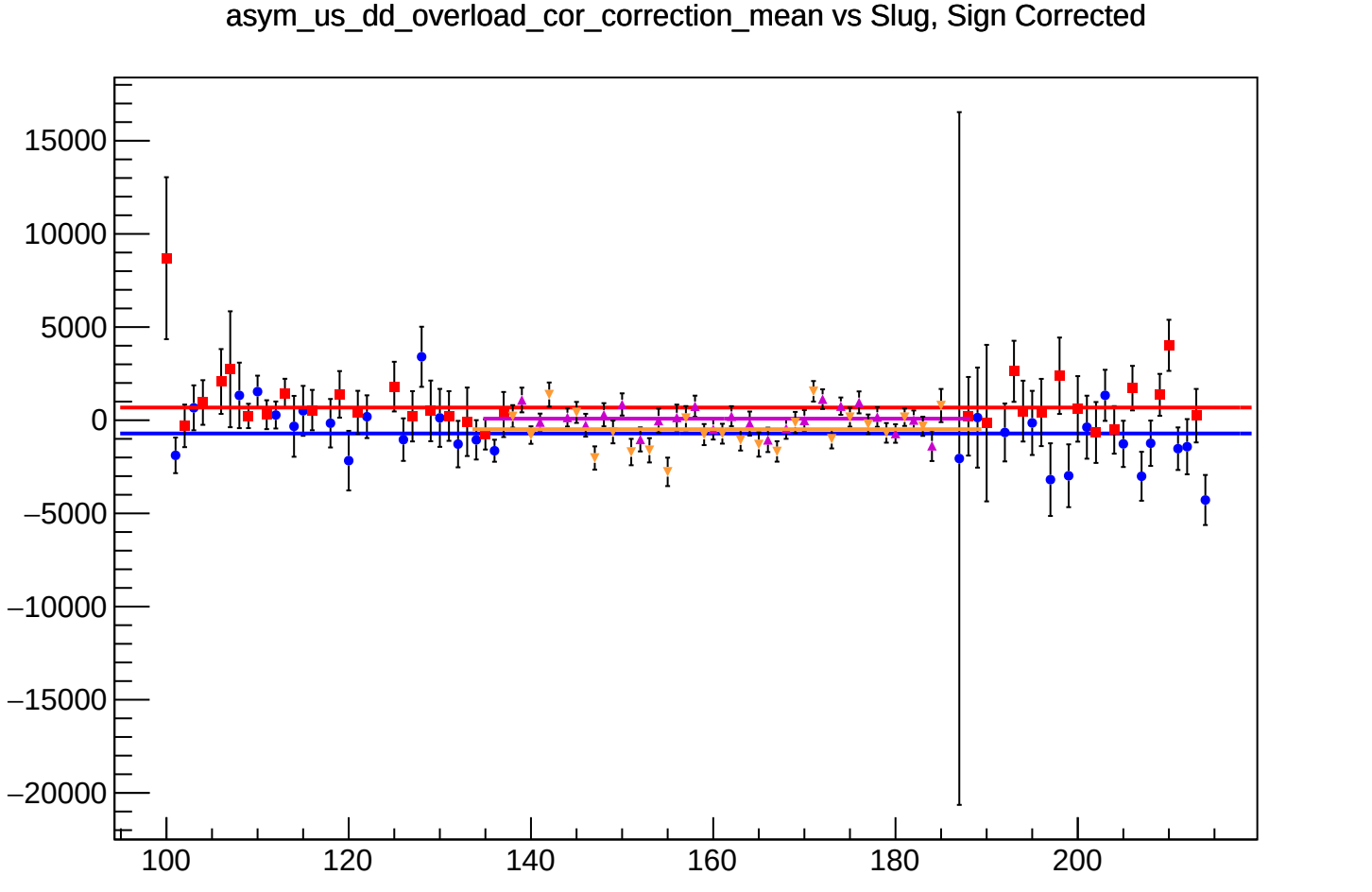
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

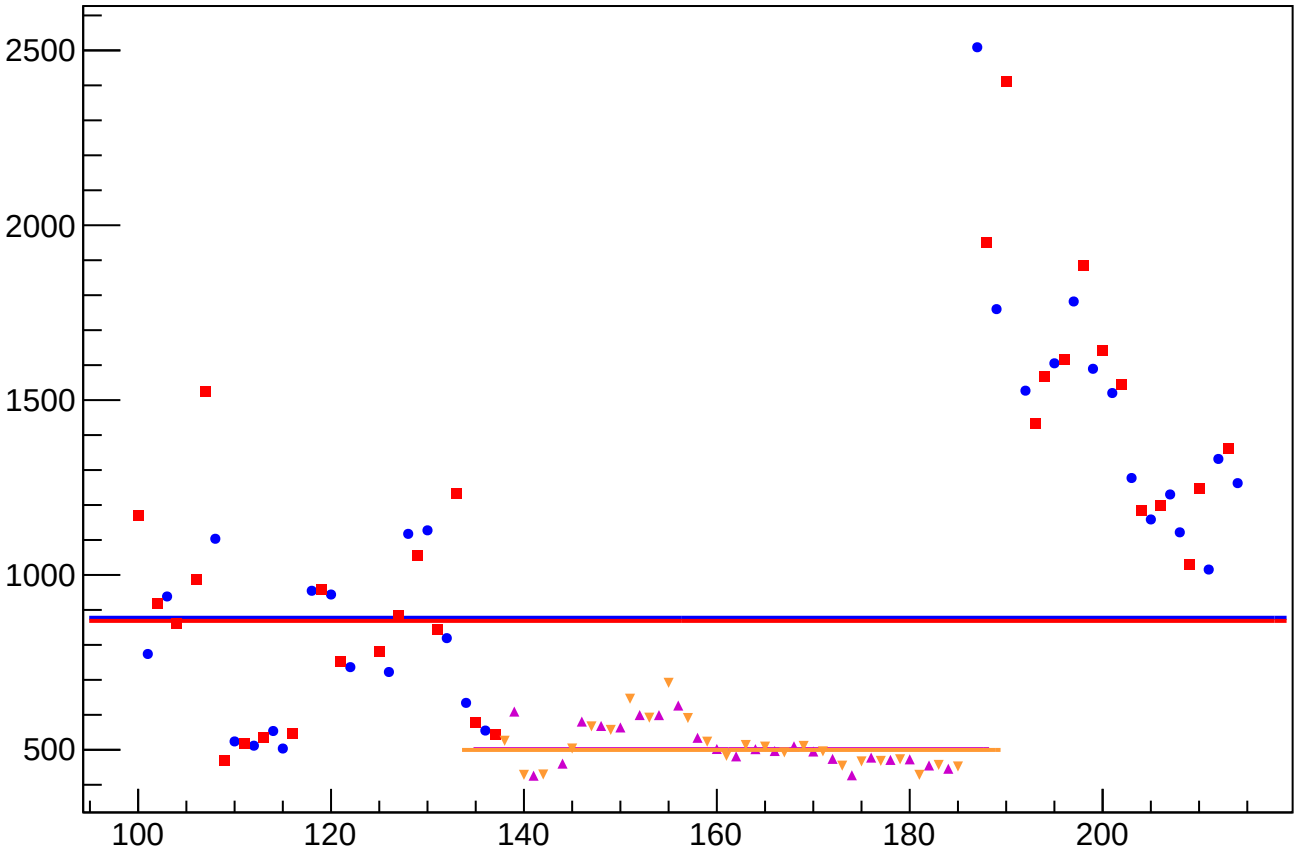
Right: 773.665+/-0.090 χ^2/NDF: 465019.9/61

In: 772.787+/-0.090 χ^2/NDF:105402.1/52

Out: 775.436+/-0.090 χ^2/NDF:364467.1/55

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


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -711.468+/-223.098 χ²/NDF: 42.2/29
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: 681.278+/-224.622 χ²/NDF: 22.7/30
Left In: 83.196+/-118.194 χ²/NDF:28.2/22
Left: -201.704+/-83.183 χ²/NDF: 103.3/46
Right: -19.834+/-158.290 χ²/NDF: 84.3/60
In: -90.963+/-104.442 χ²/NDF:80.4/52
Out: -232.898+/-103.831 χ²/NDF:107.3/54
All: -162.347+/-73.635 χ²/NDF: 188.6/107



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

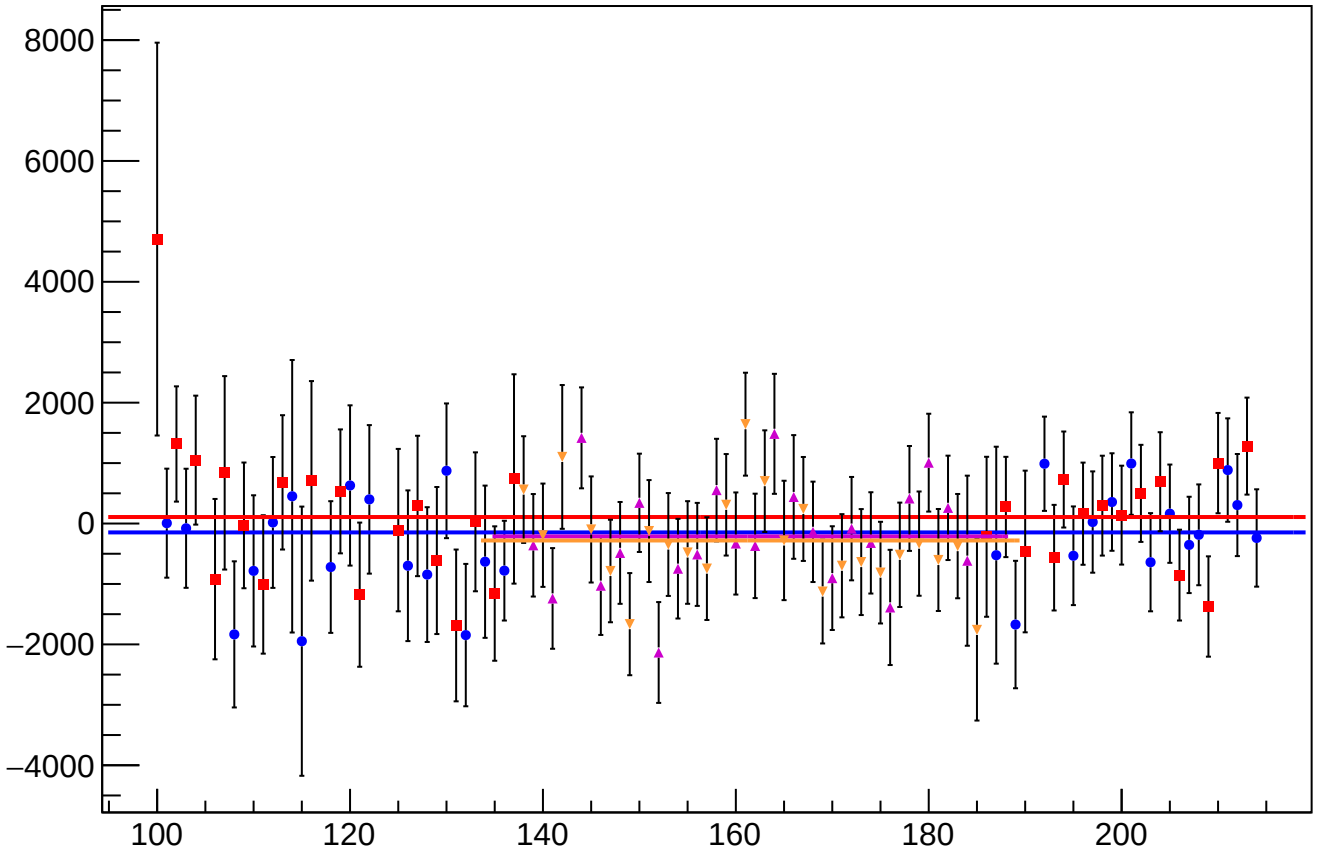
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 873.150+/-0.112 χ^2/NDF: 10962925.4/60

In: 584.334+/-0.074 χ^2/NDF:9813405.0/52

Out: 578.512+/-0.073 χ^2/NDF:10800849.3/54

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



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

Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

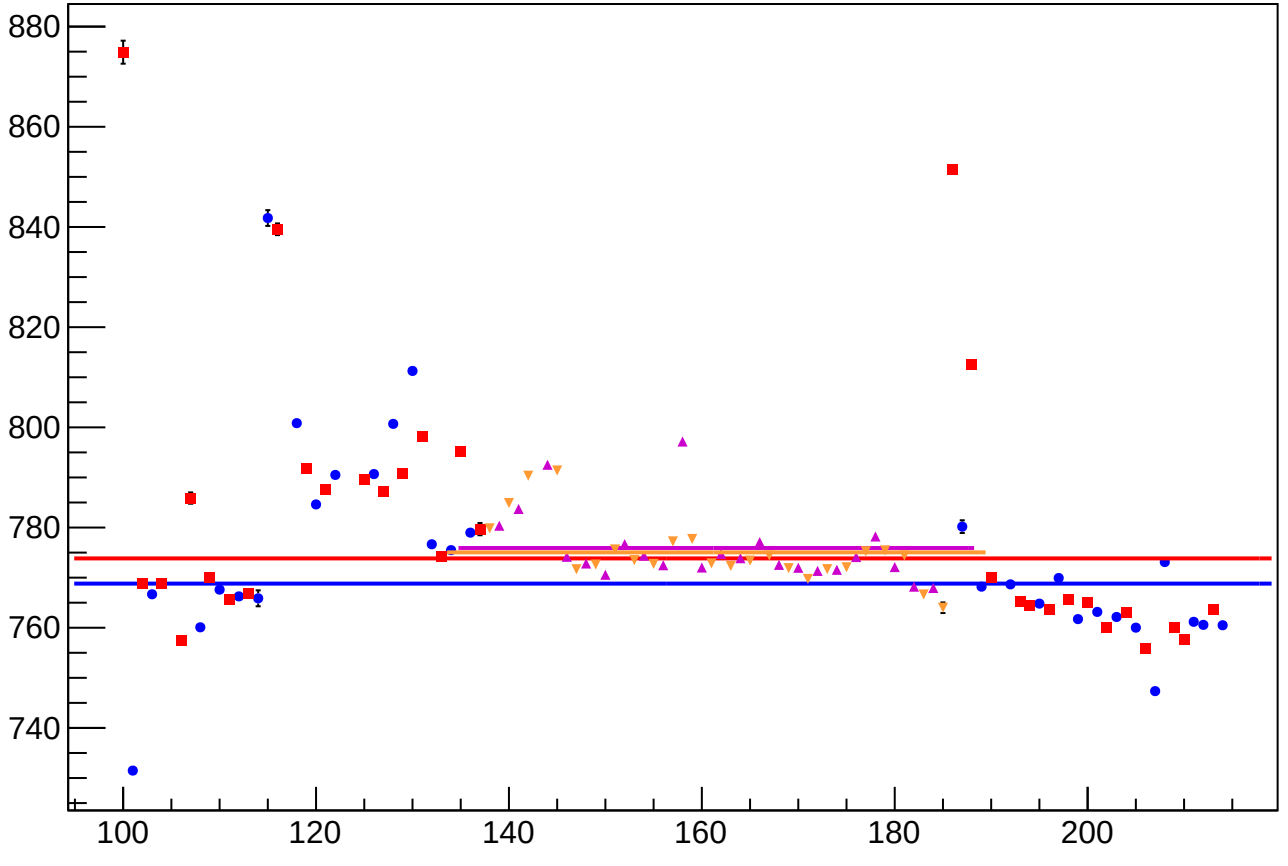
Right: -19.435+/-126.821 χ^2/NDF: 40.3/61

In: -179.911+/-127.520 χ^2/NDF:39.5/52

Out: -85.603+/-126.947 χ^2/NDF:40.6/55

All: -132.545+/-89.967 χ^2/NDF: 80.4/108

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

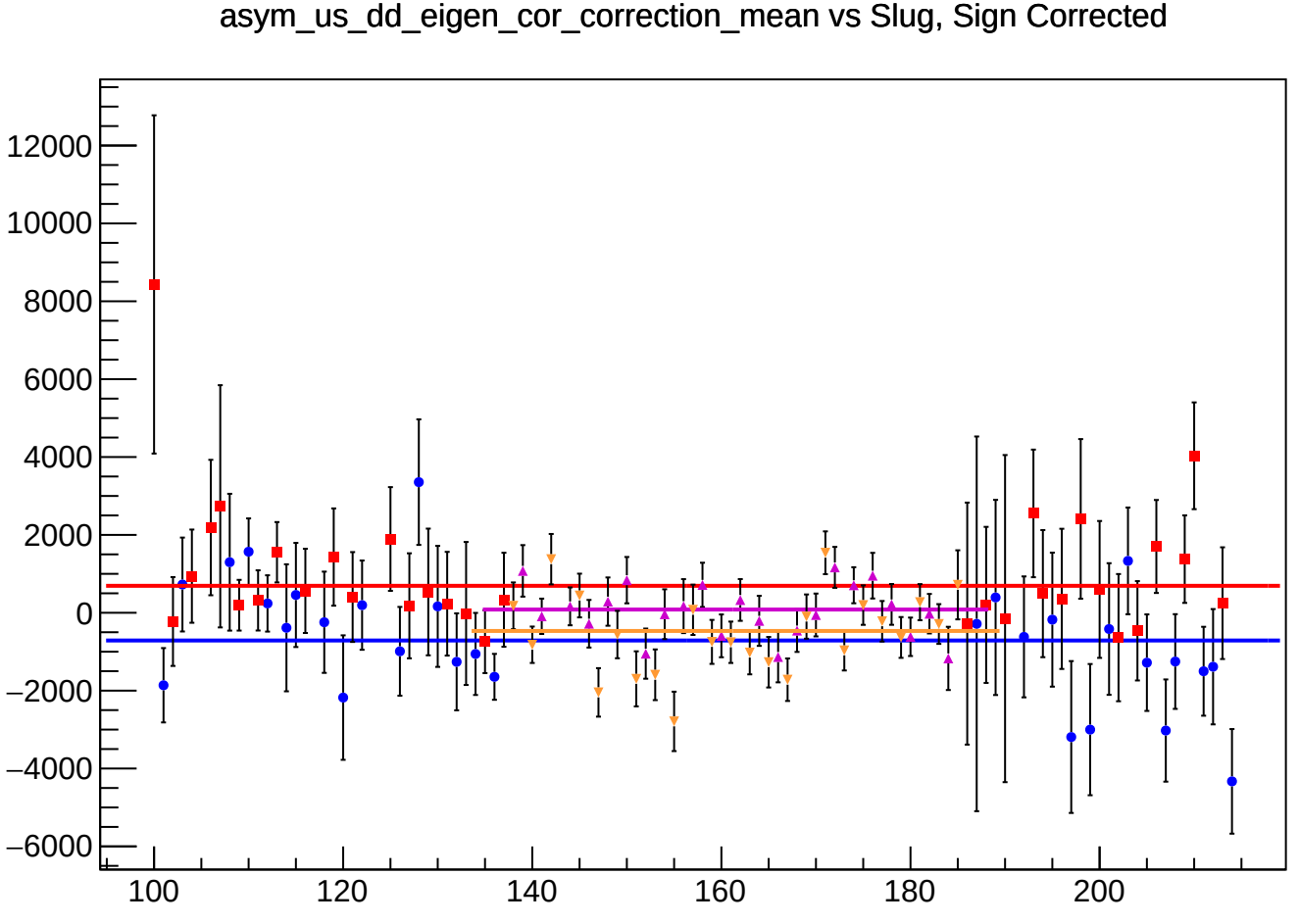
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 771.329+/-0.090 χ^2/NDF: 42858.9/61

In: 772.334+/-0.090 χ^2/NDF:21274.9/52

Out: 774.442+/-0.090 χ^2/NDF:27322.5/55

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



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

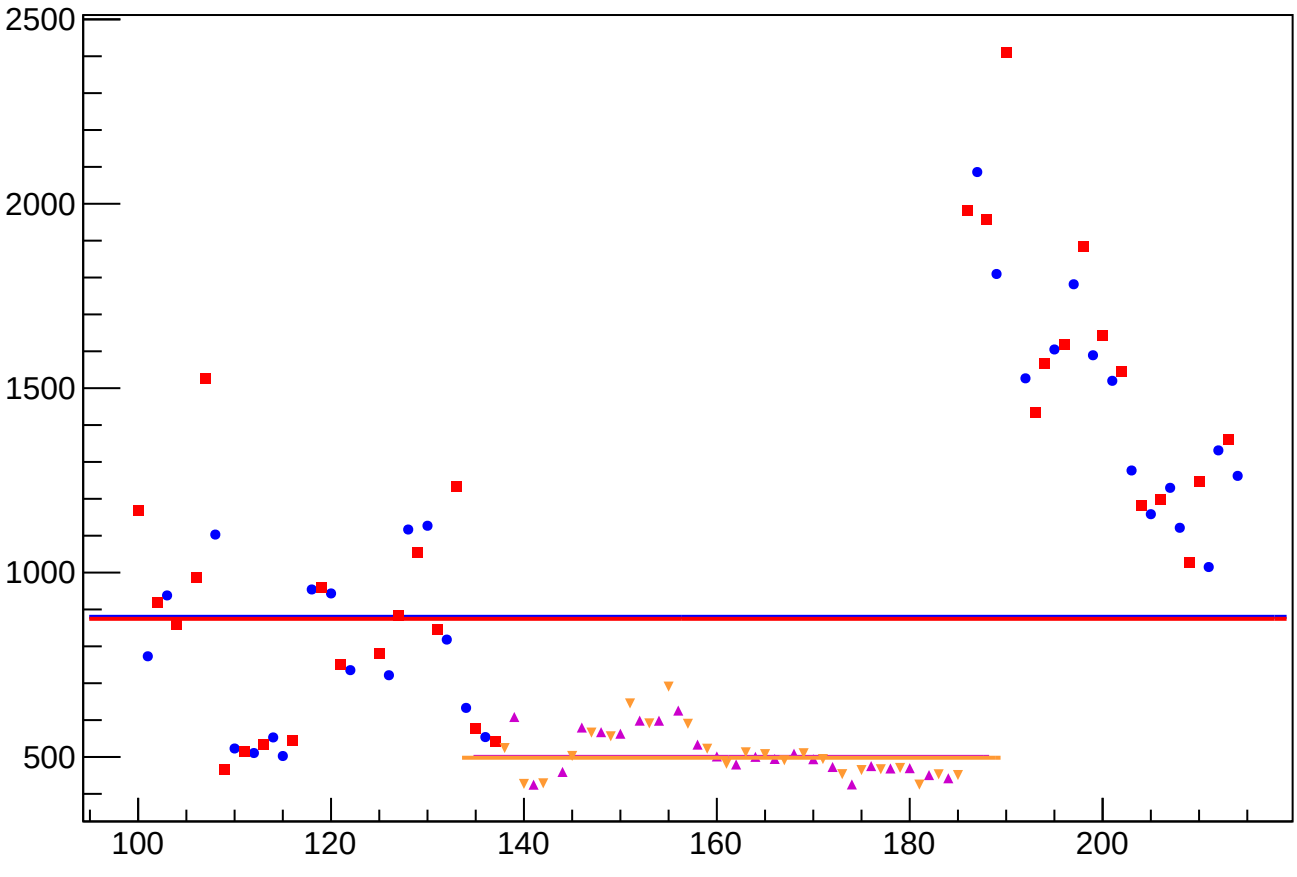
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -13.215+/-157.737 χ^2/NDF: 85.1/61

In: -90.921+/-104.116 χ^2/NDF:80.5/52

Out: -218.898+/-103.469 χ^2/NDF:108.4/55

All: -155.309+/-73.391 χ^2/NDF: 189.7/108



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

Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

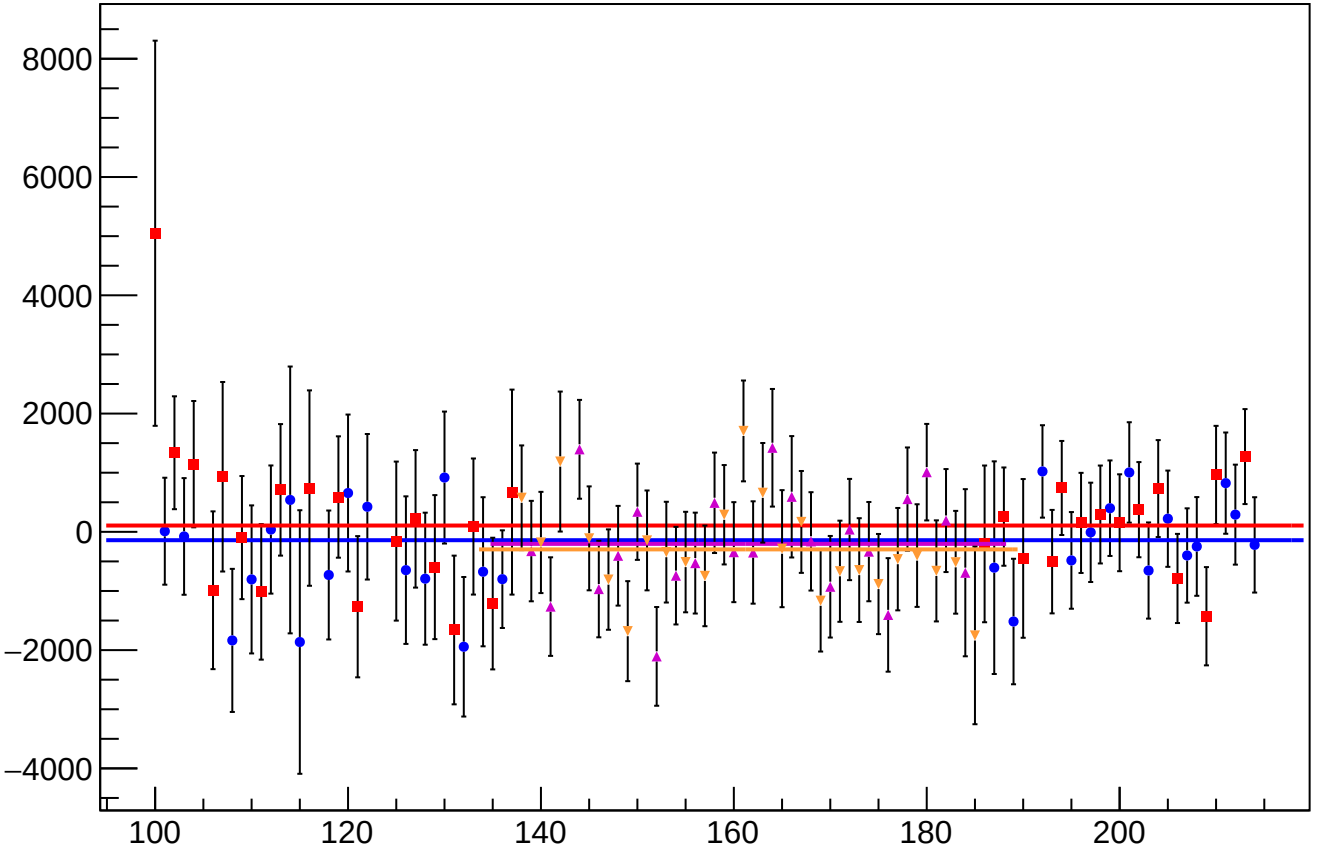
Right: 877.346+/-0.112 χ^2/NDF: 11493005.7/61

In: 583.440+/-0.074 χ^2/NDF:10134339.4/52

Out: 578.598+/-0.073 χ^2/NDF:11370819.5/55

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

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

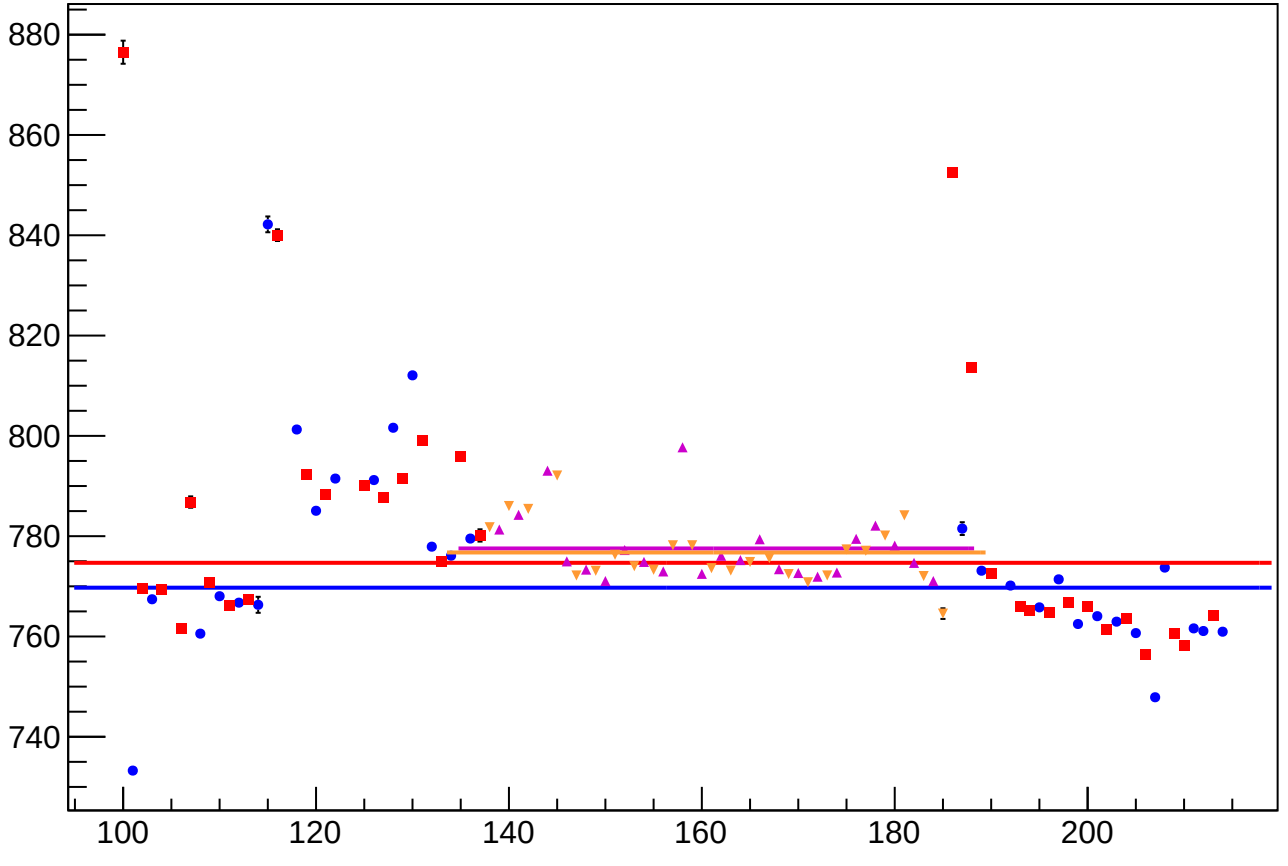
Right: -17.049+/-126.974 χ^2/NDF: 40.9/61

In: -172.016+/-127.729 χ^2/NDF:39.3/52

Out: -94.023+/-127.164 χ^2/NDF:42.0/55

All: -132.847+/-90.118 χ^2/NDF: 81.5/108

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

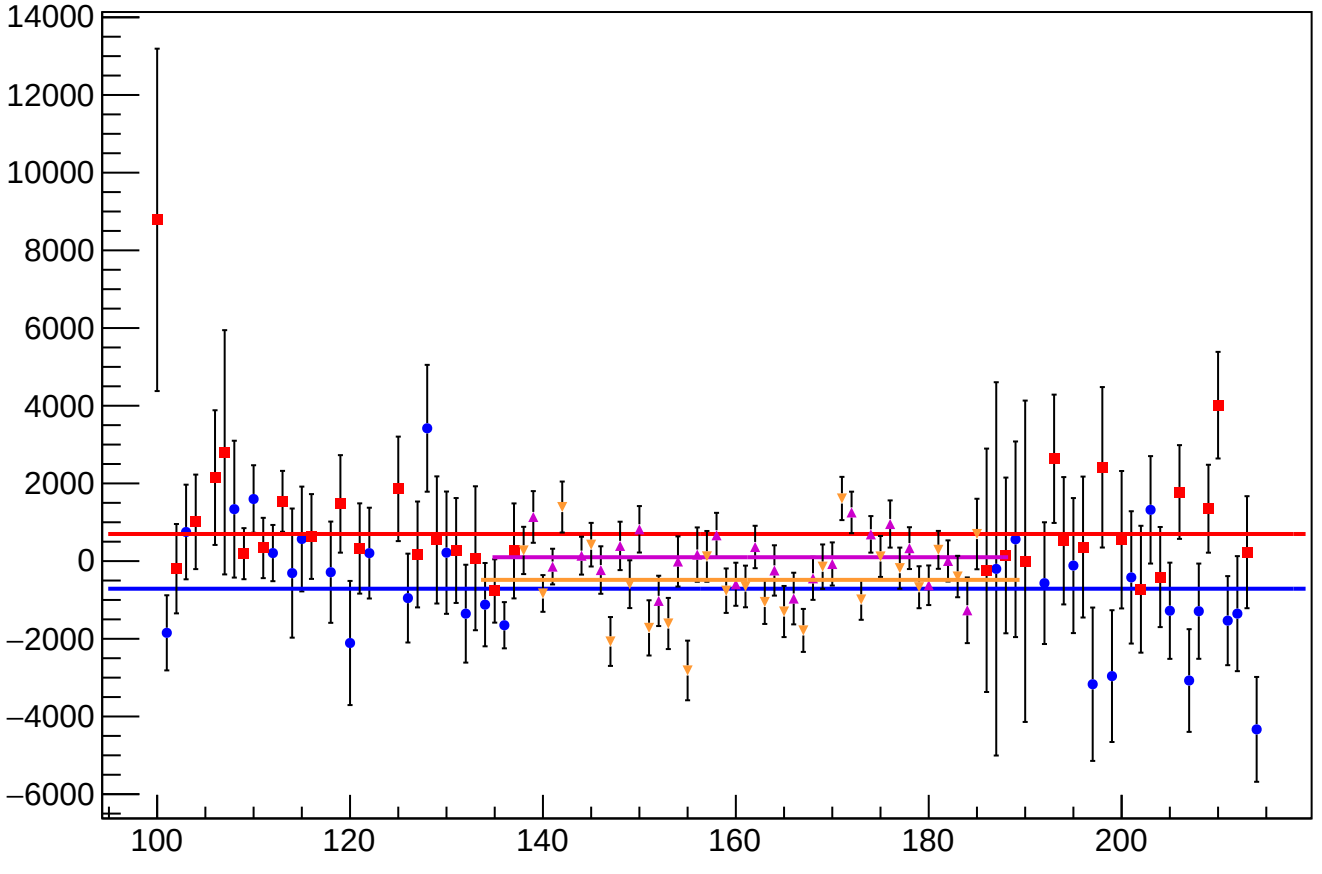
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 772.214+/-0.090 χ^2/NDF: 42578.7/61

In: 773.600+/-0.090 χ^2/NDF:21210.3/52

Out: 775.715+/-0.090 χ^2/NDF:27188.2/55

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



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

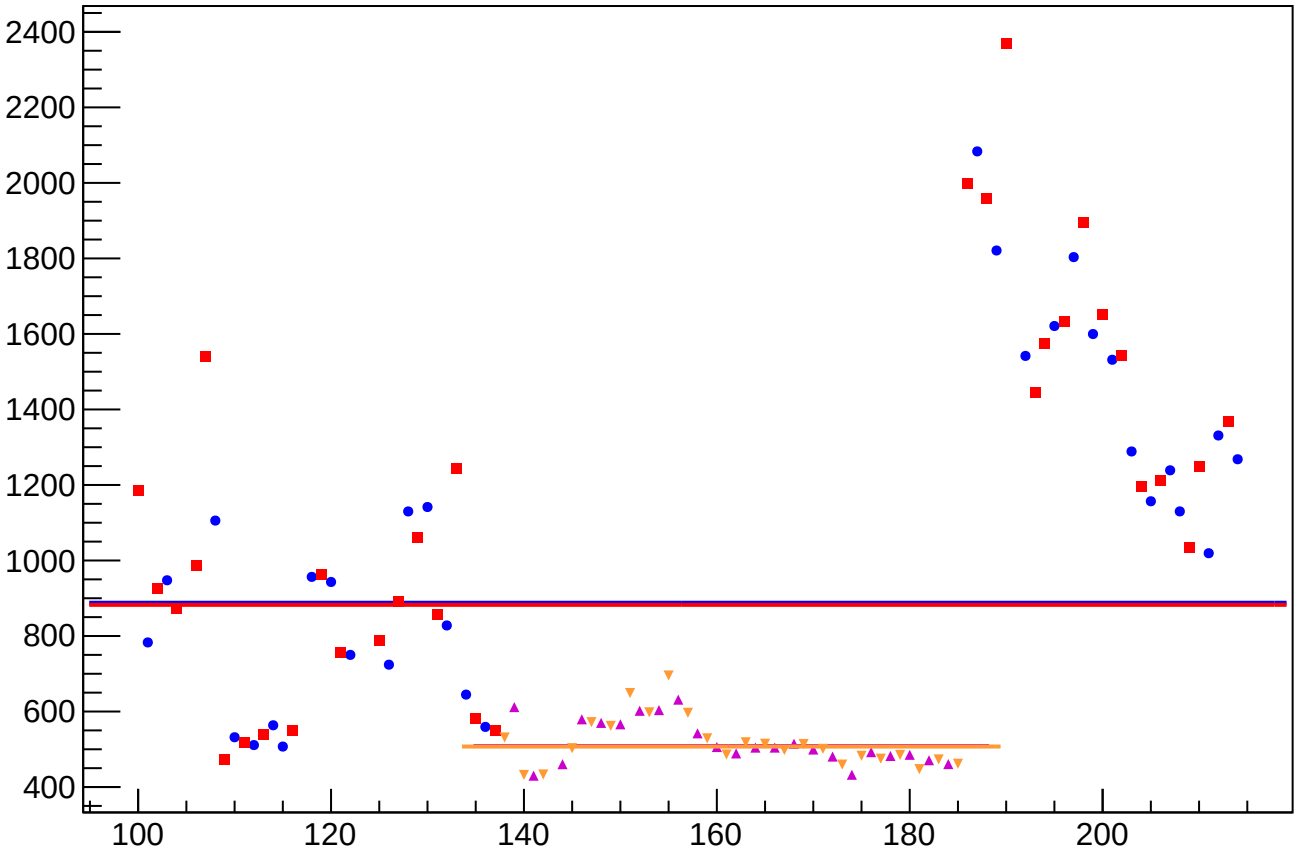
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: -9.591+/-159.057 χ^2/NDF: 85.0/61

In: -79.568+/-105.600 χ^2/NDF:80.0/52

Out: -226.184+/-105.105 χ^2/NDF:109.6/55

All: -153.220+/-74.495 χ^2/NDF: 190.5/108



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

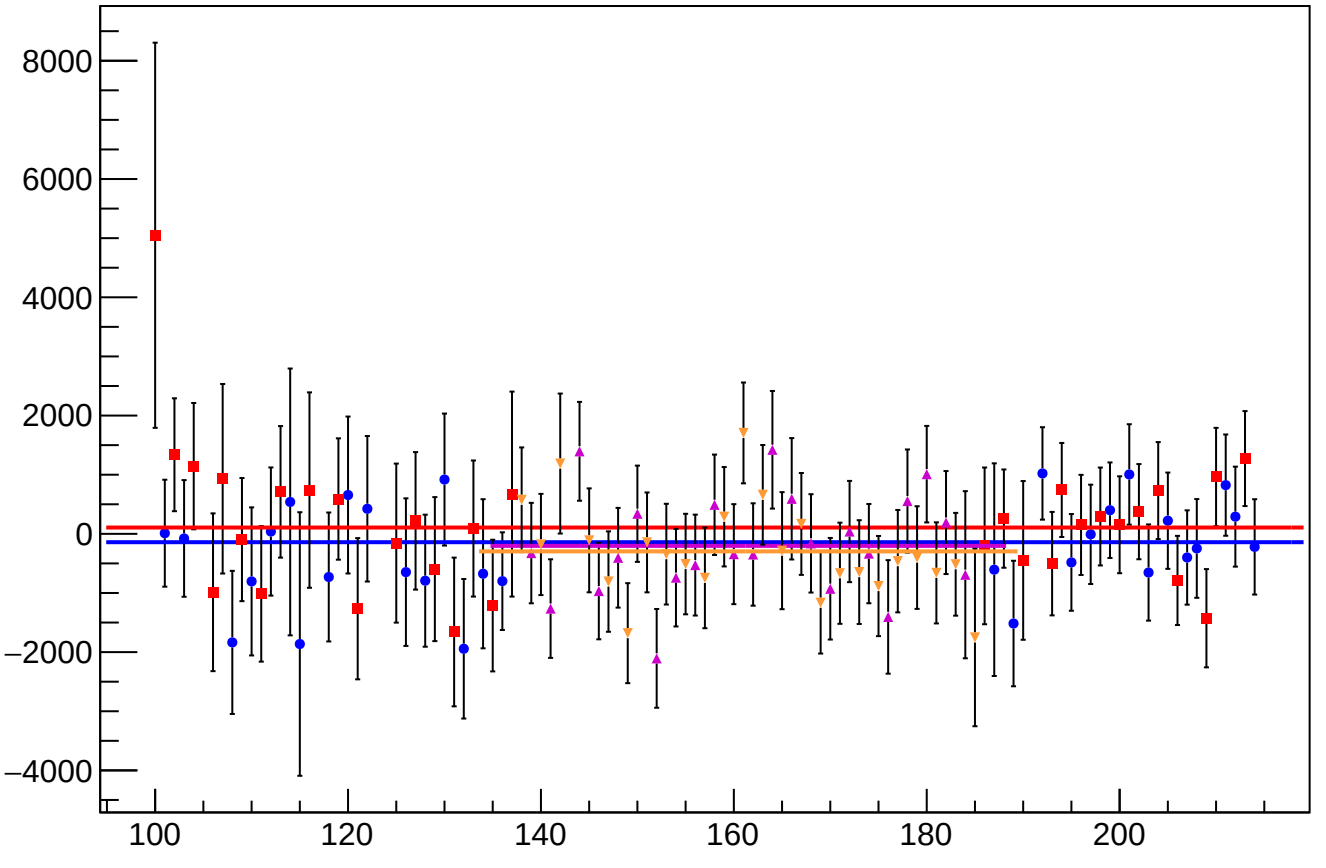
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 885.319+/-0.112 χ^2/NDF: 11414718.7/61

In: 592.649+/-0.075 χ^2/NDF:9961012.2/52

Out: 588.863+/-0.074 χ^2/NDF:11146284.8/55

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



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

Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

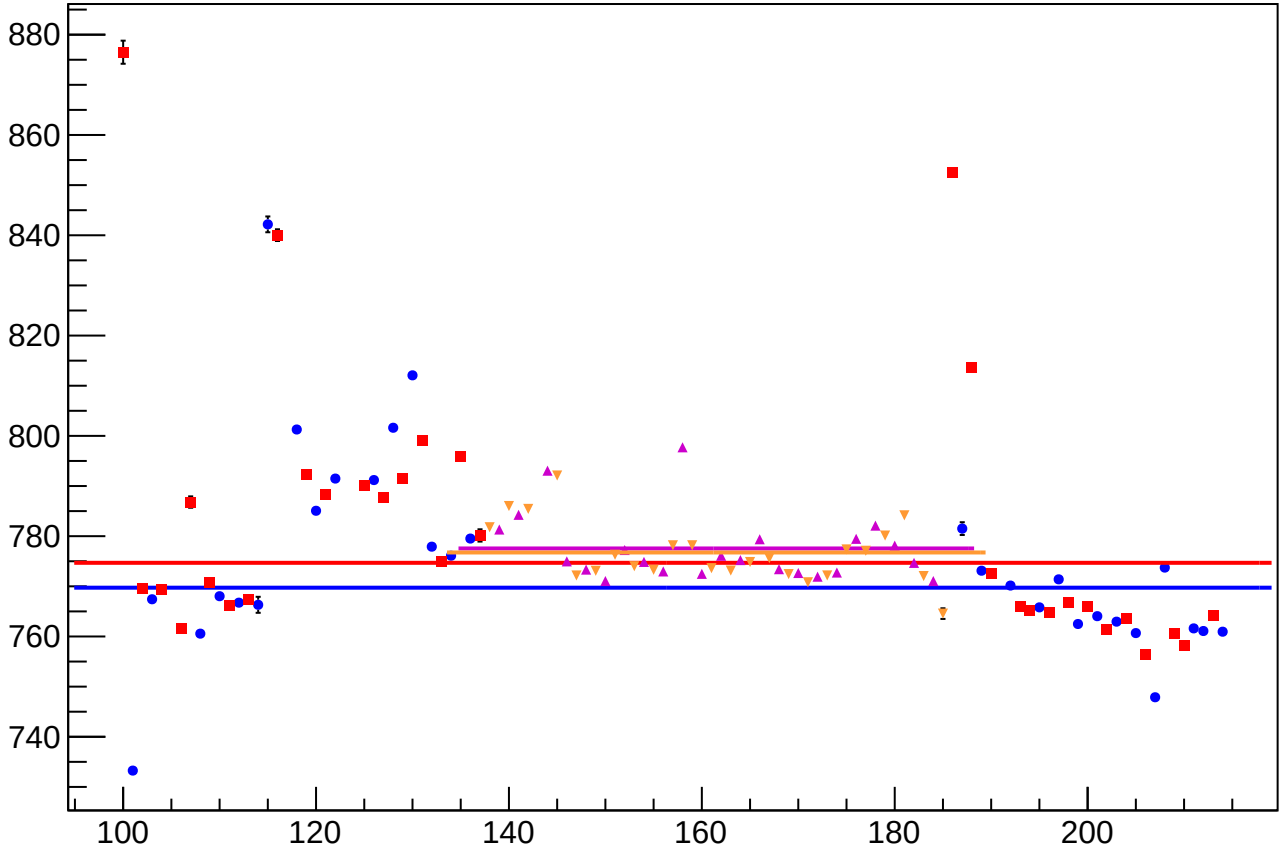
Right: -17.050+/-126.974 χ^2/NDF: 40.9/61

In: -172.016+/-127.729 χ^2/NDF:39.3/52

Out: -94.023+/-127.164 χ^2/NDF:42.0/55

All: -132.847+/-90.118 χ^2/NDF: 81.5/108

eigen_dit_asym_us_dd_rms vs Slug, Sign Corrected



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

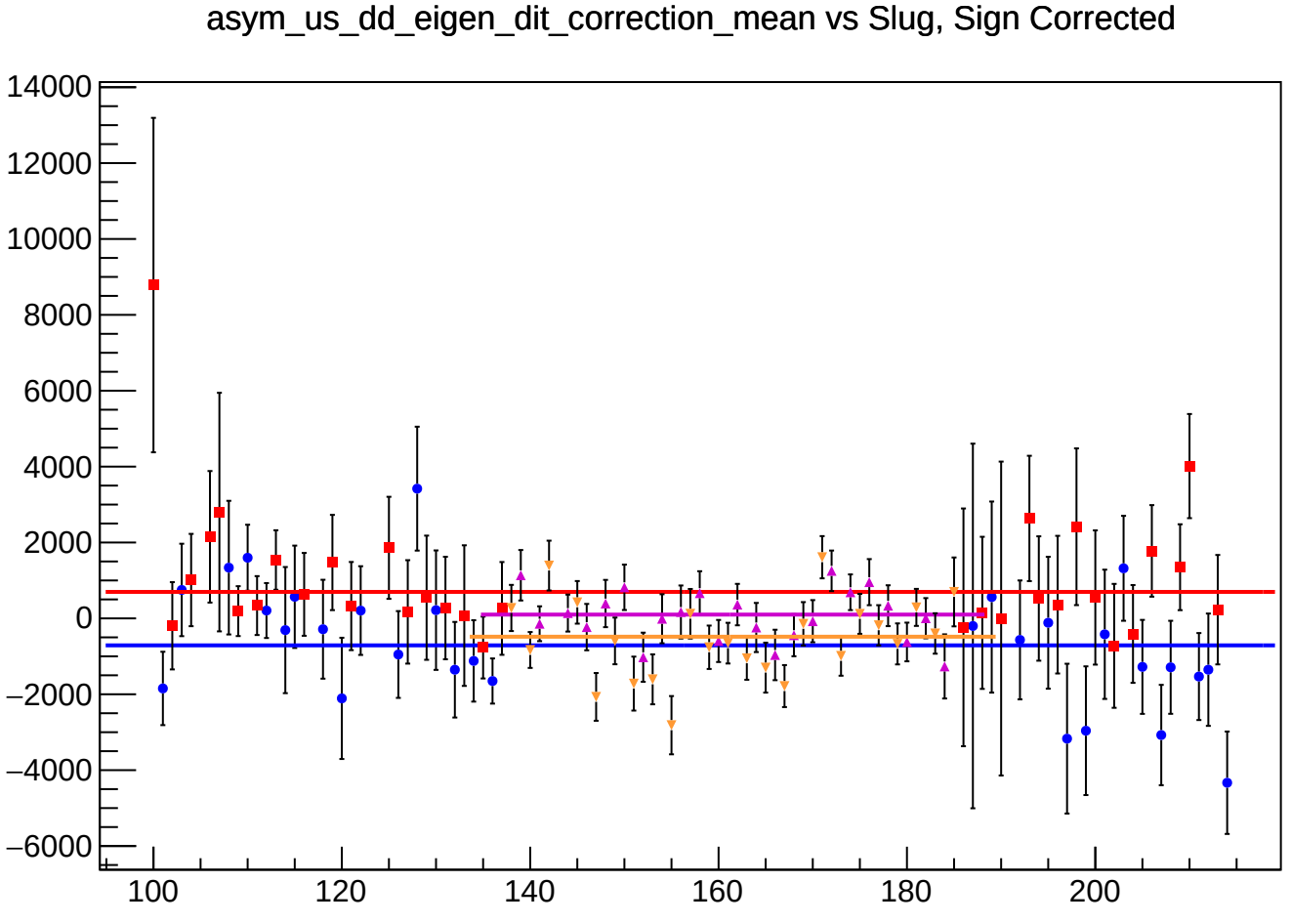
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 772.214+/-0.090 χ^2/NDF: 42578.6/61

In: 773.600+/-0.090 χ^2/NDF:21210.2/52

Out: 775.715+/-0.090 χ^2/NDF:27188.1/55

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



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

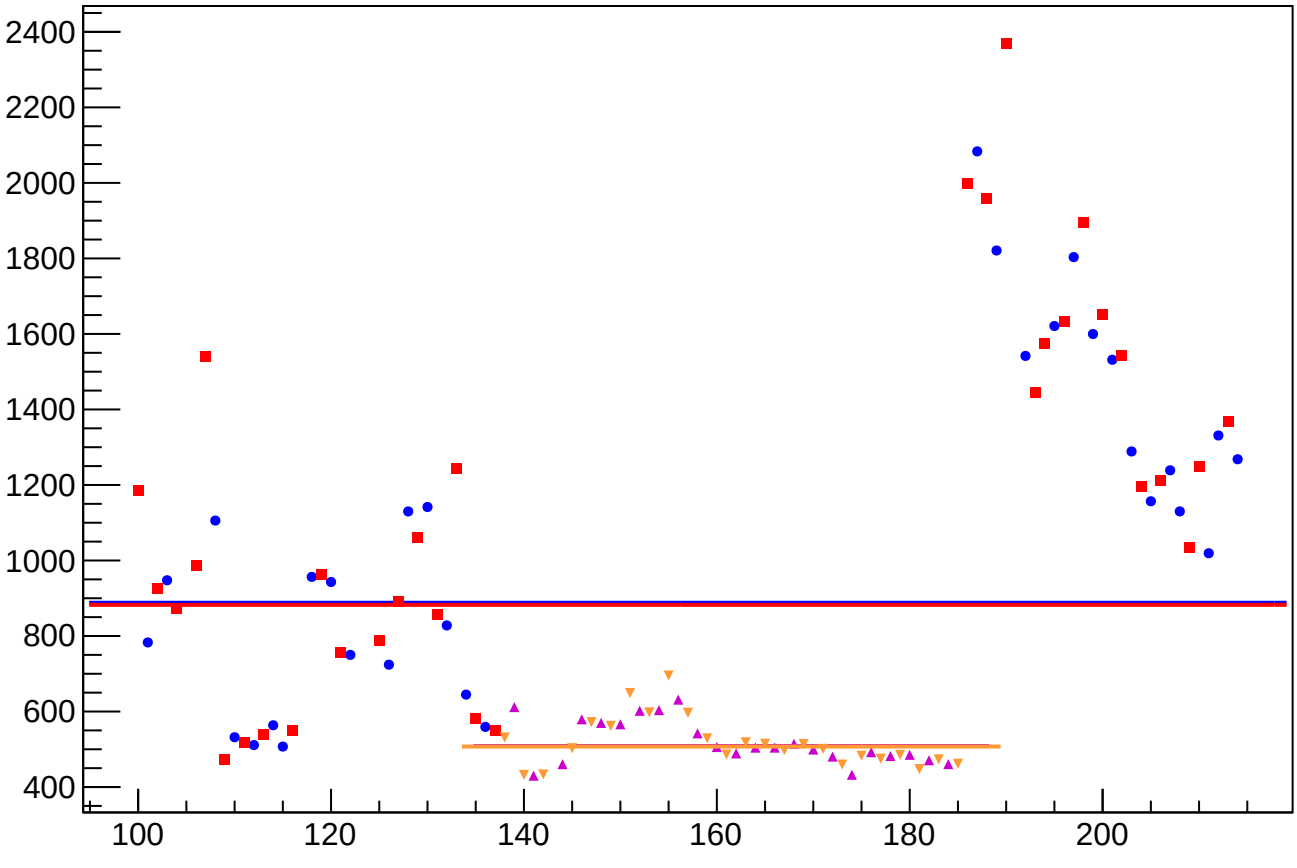
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: -9.589+/-159.056 χ^2/NDF: 85.0/61

In: -79.567+/-105.600 χ^2/NDF:80.0/52

Out: -226.183+/-105.105 χ^2/NDF:109.6/55

All: -153.220+/-74.495 χ^2/NDF: 190.5/108



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

Left: 507.974+/-0.060 χ^2/NDF: 906576.5/46

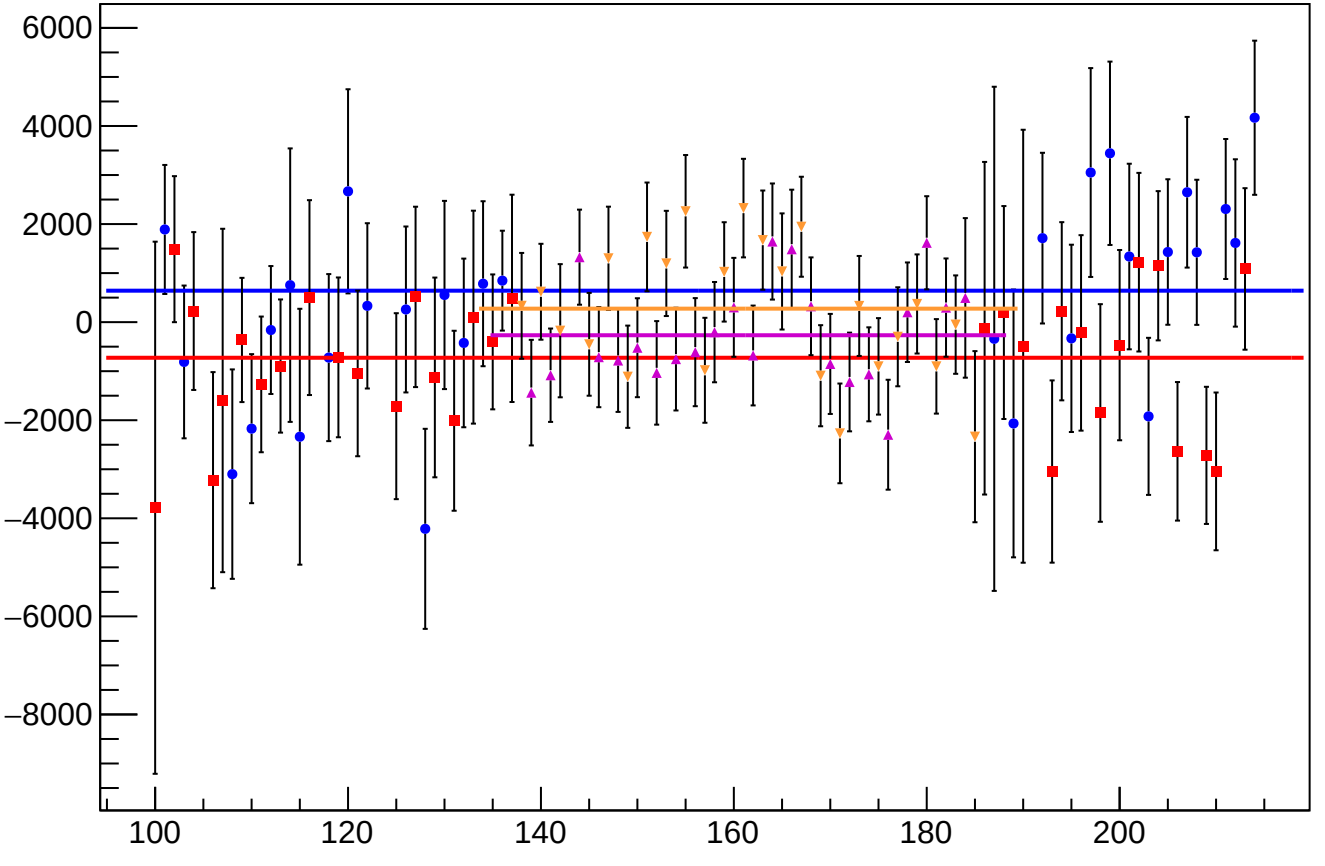
Right: 885.316+/-0.112 χ^2/NDF: 11414859.1/61

In: 592.649+/-0.075 χ^2/NDF:9961037.9/52

Out: 588.863+/-0.074 χ^2/NDF:11146298.5/55

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

asym_us_dd_mean vs Slug, Sign Corrected



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

Left: 5.805+/-153.431 χ^2/NDF: 58.1/46

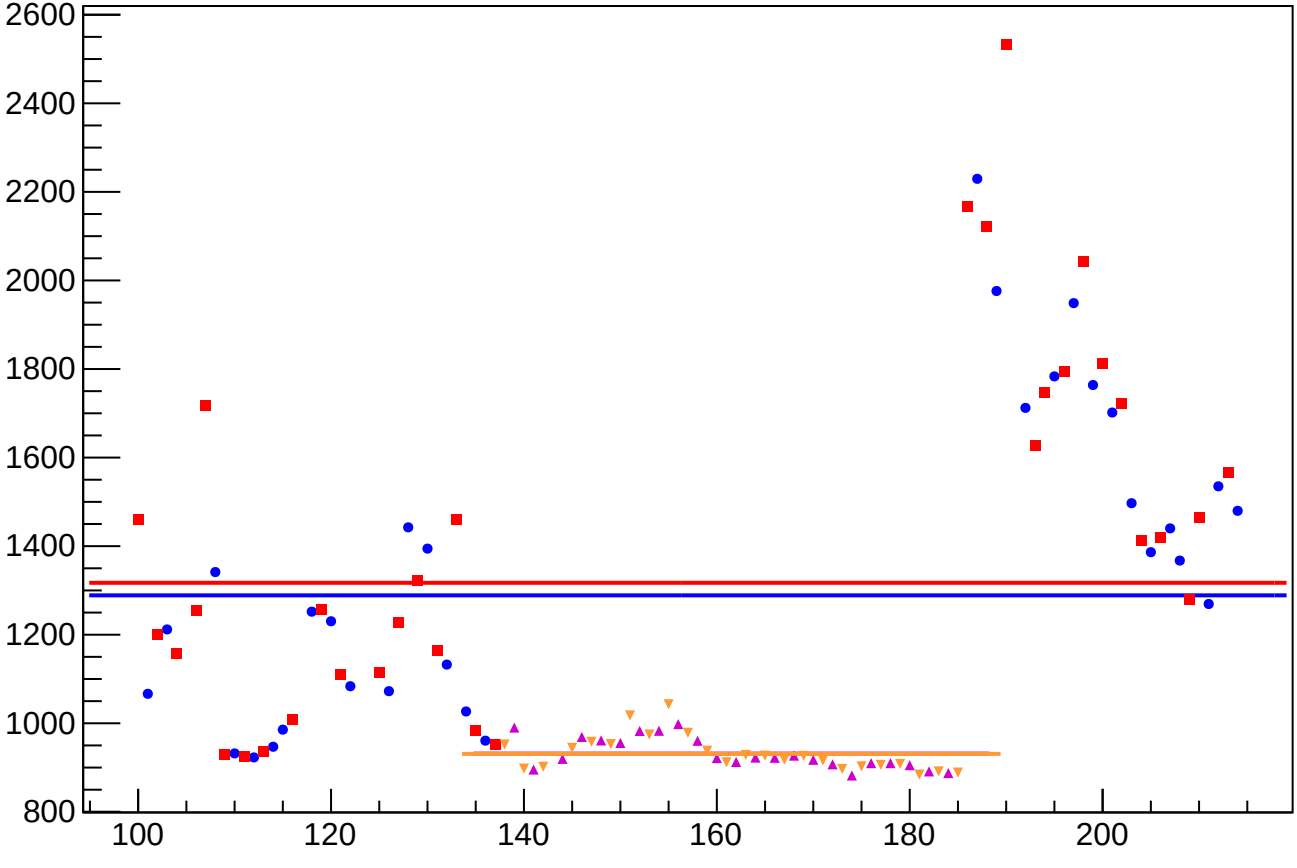
Right: -28.707+/-220.624 χ^2/NDF: 63.1/61

In: 34.384+/-177.951 χ^2/NDF:61.7/52

Out: -45.445+/-178.332 χ^2/NDF:59.4/55

All: -5.445+/-125.965 χ^2/NDF: 121.2/108

asym_us_dd_rms vs Slug, Sign Corrected



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

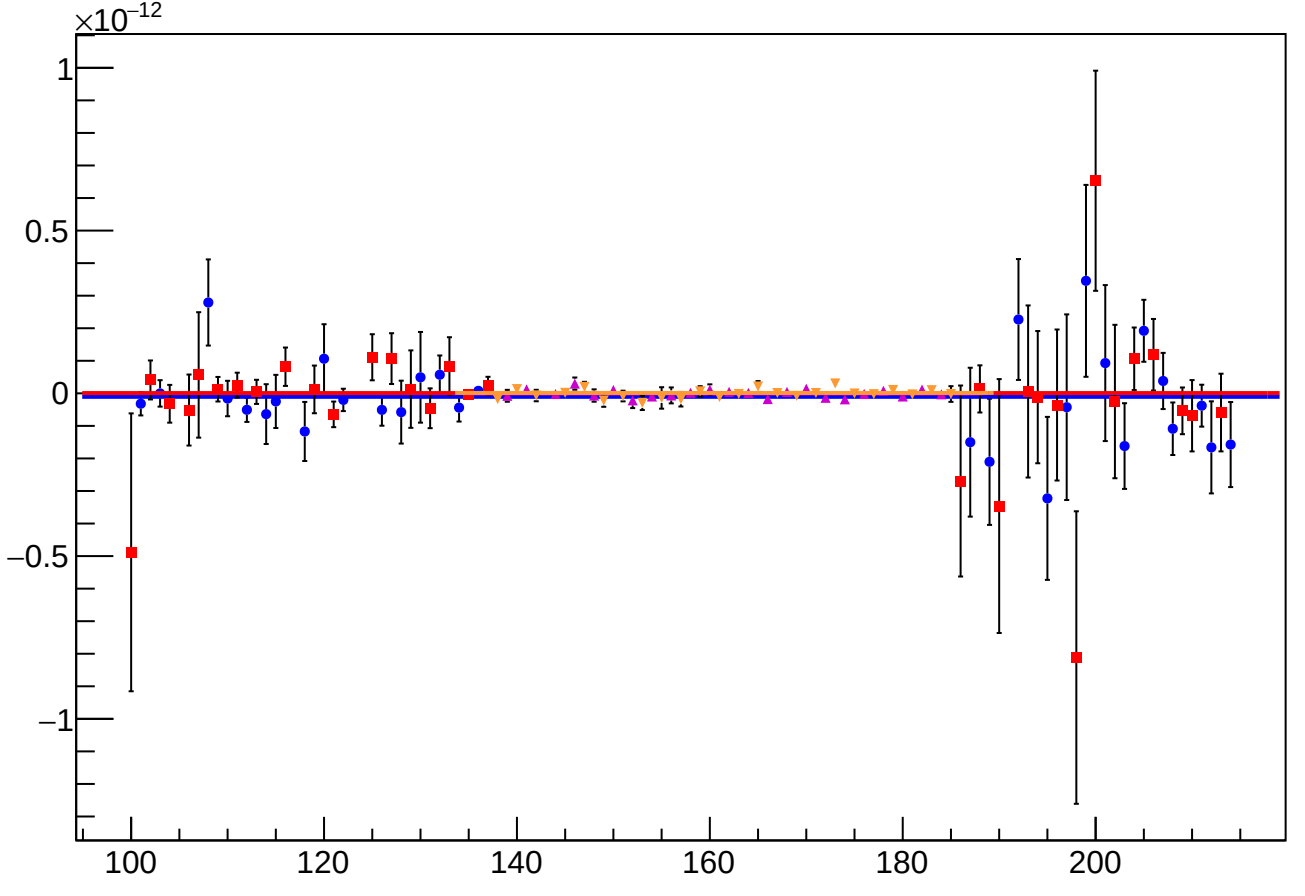
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1302.793+/-0.156 χ^2/NDF: 3988357.0/61

In: 1050.112+/-0.126 χ^2/NDF:3581468.8/52

Out: 1054.615+/-0.126 χ^2/NDF:4340415.7/55

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



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

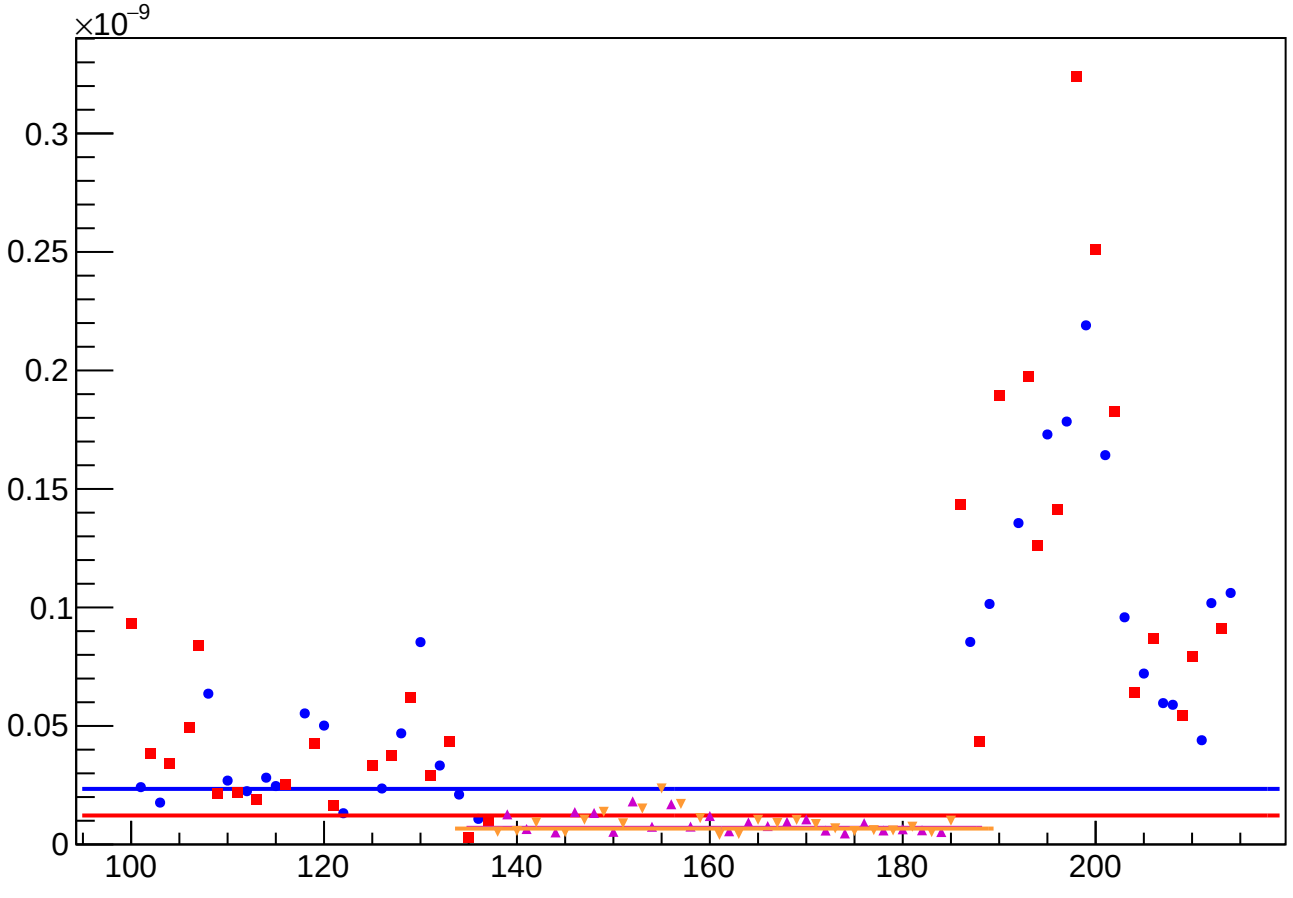
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 58.0/61

In: -0.000+/-0.000 χ^2/NDF:53.6/52

Out: 0.000+/-0.000 χ^2/NDF:52.3/55

All: 0.000+/-0.000 χ^2/NDF: 106.4/108



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

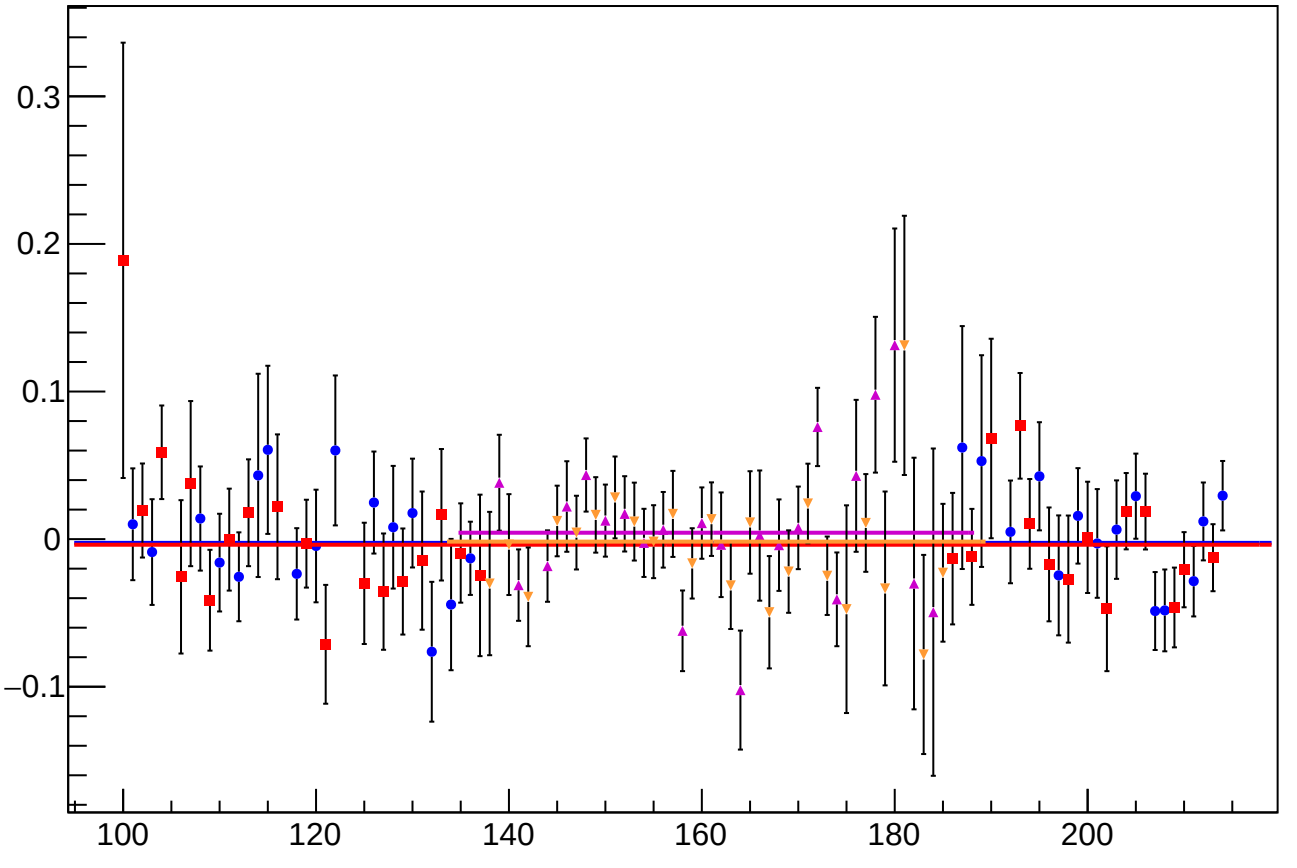
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 27734211.8/61

In: 0.000+/-0.000 χ^2/NDF:18090732.2/52

Out: 0.000+/-0.000 χ^2/NDF:19719611.0/55

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



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

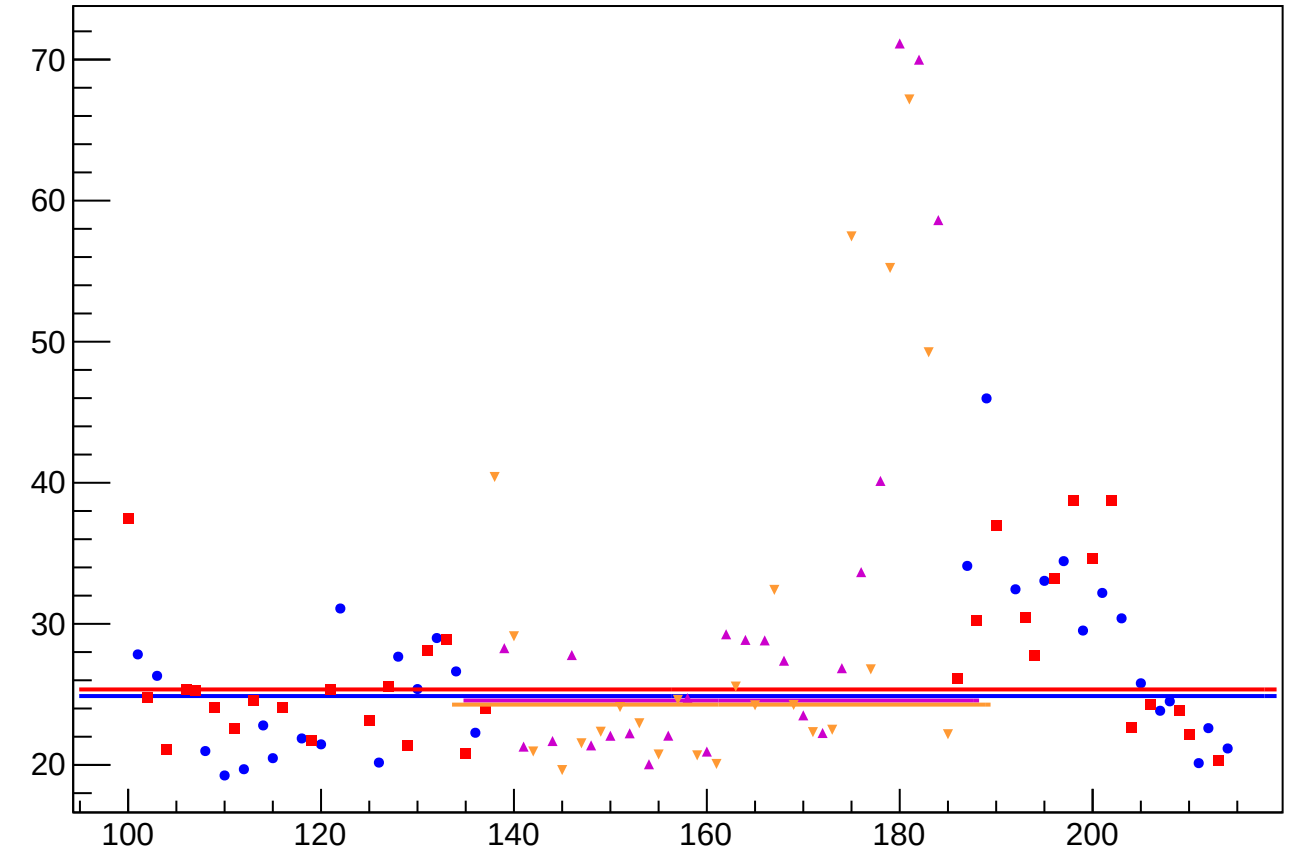
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.004 χ^2/NDF: 49.1/61

In: 0.001+/-0.004 χ^2/NDF:60.1/52

Out: -0.003+/-0.004 χ^2/NDF:40.8/55

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



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

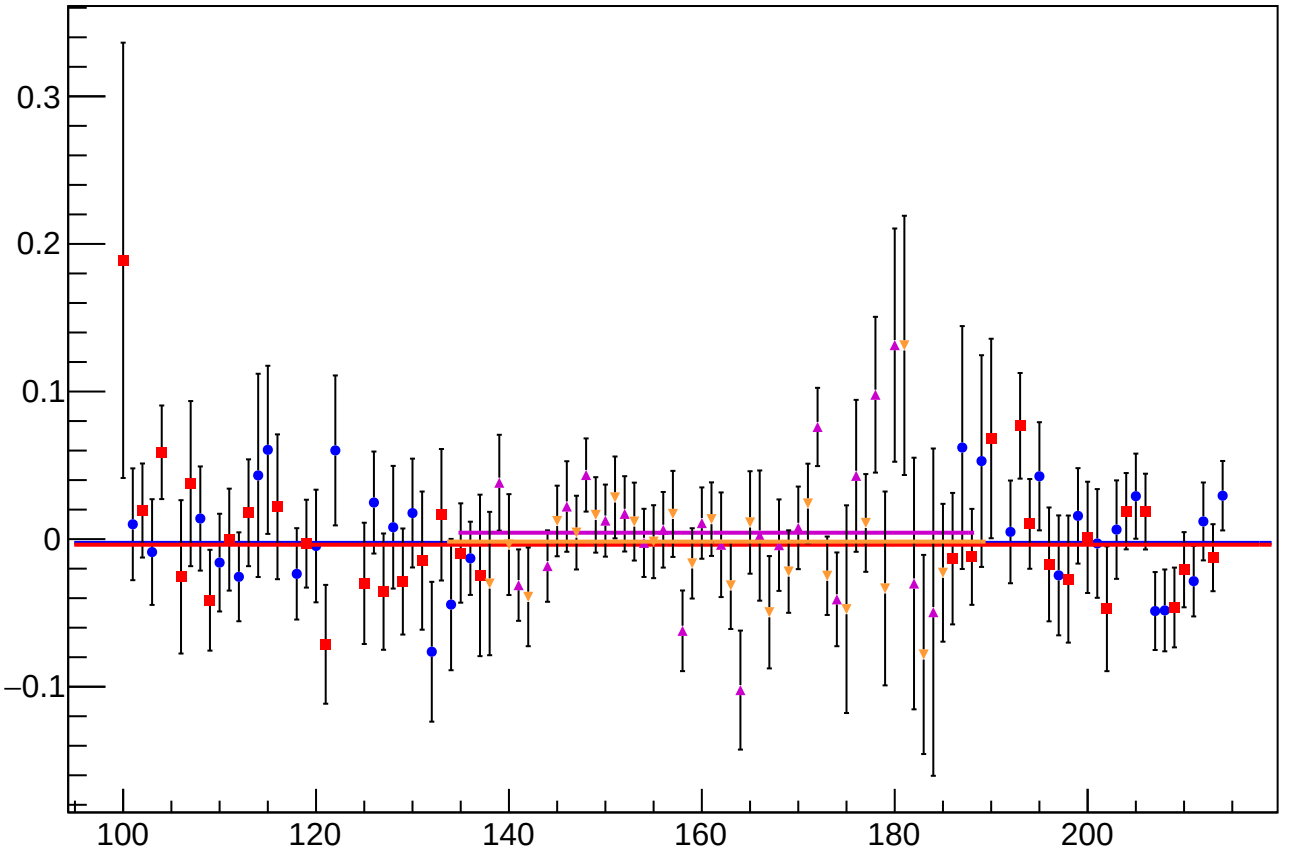
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 25.115+/-0.003 χ^2/NDF: 2258447.8/61

In: 24.727+/-0.003 χ^2/NDF:3284708.8/52

Out: 24.818+/-0.003 χ^2/NDF:3443339.6/55

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



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

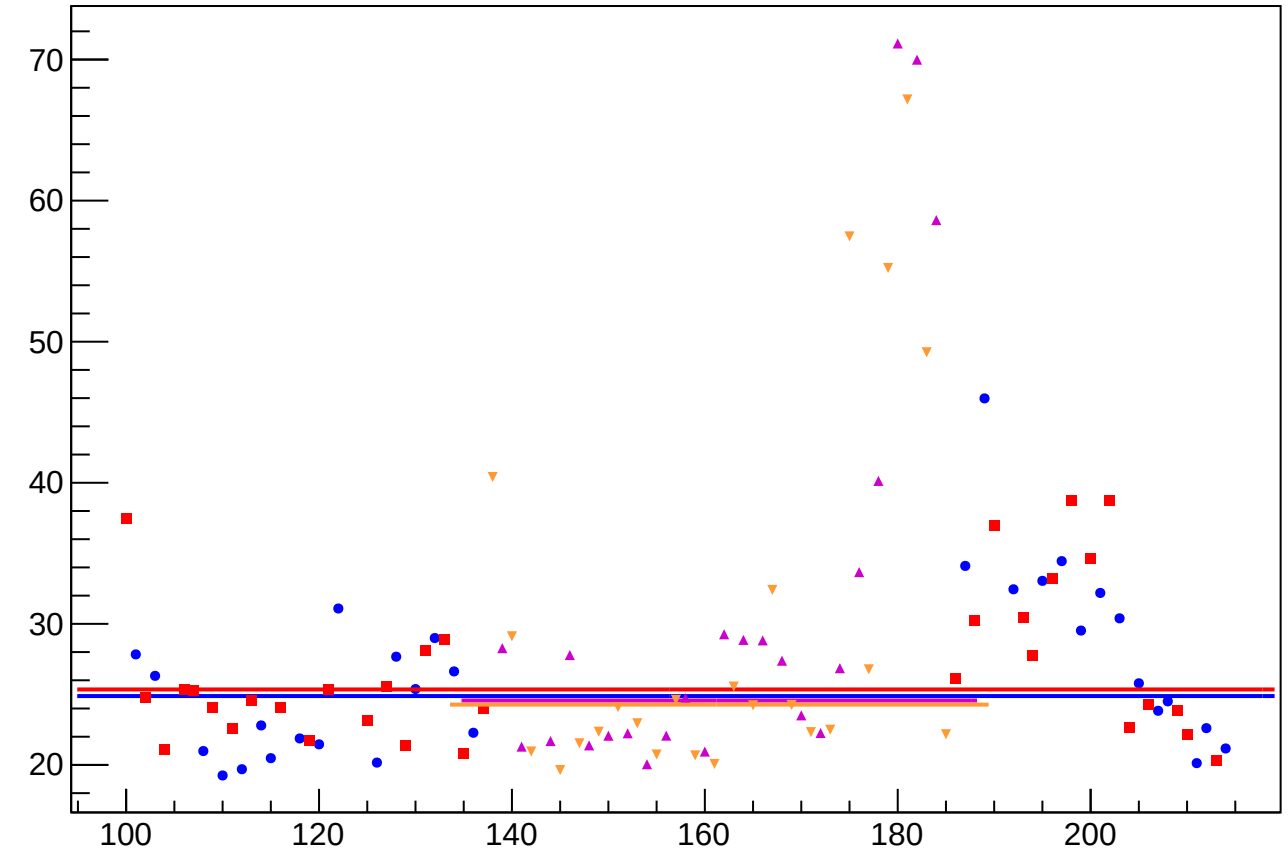
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.004 χ^2/NDF: 49.1/61

In: 0.001+/-0.004 χ^2/NDF:60.1/52

Out: -0.003+/-0.004 χ^2/NDF:40.8/55

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



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

Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

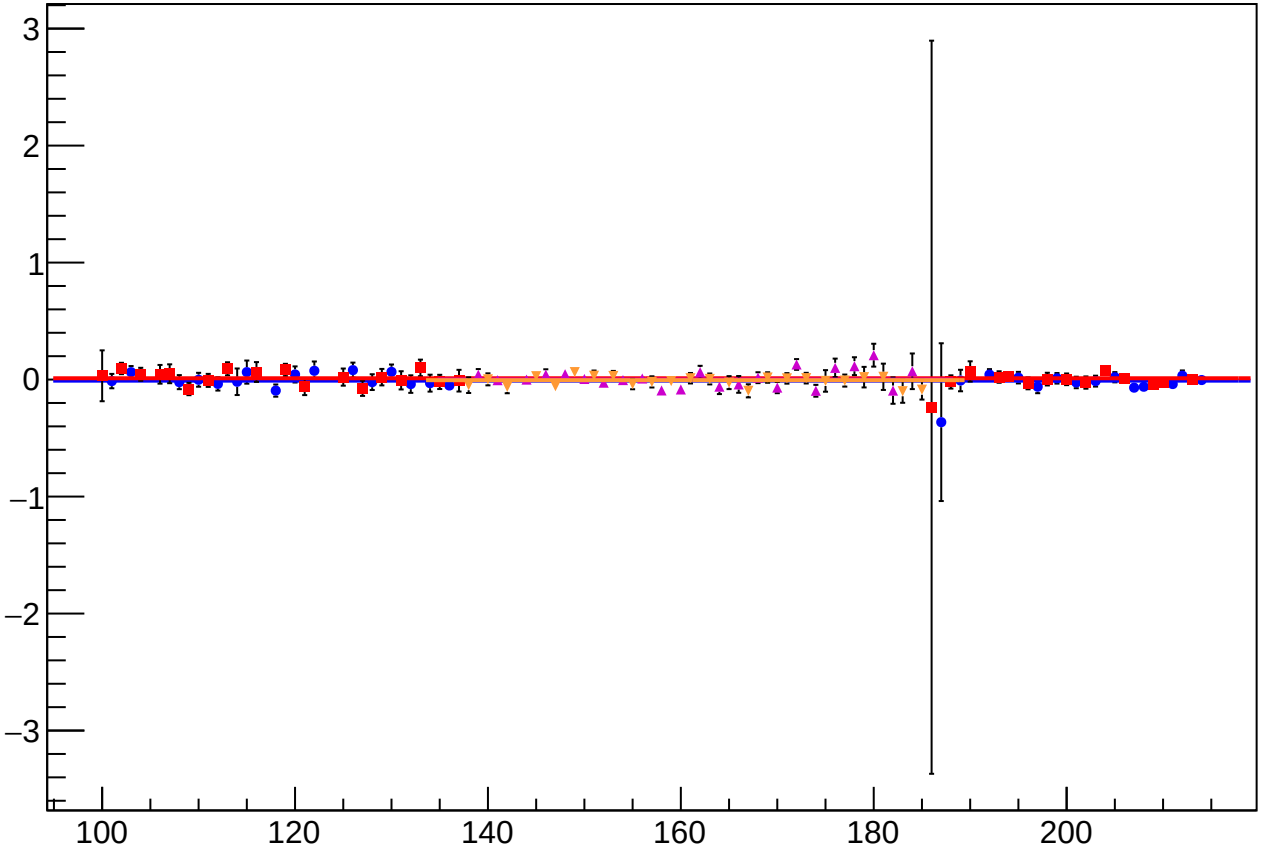
Right: 25.115+/-0.003 χ^2/NDF: 2258447.8/61

In: 24.727+/-0.003 χ^2/NDF:3284708.8/52

Out: 24.818+/-0.003 χ^2/NDF:3443339.6/55

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

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

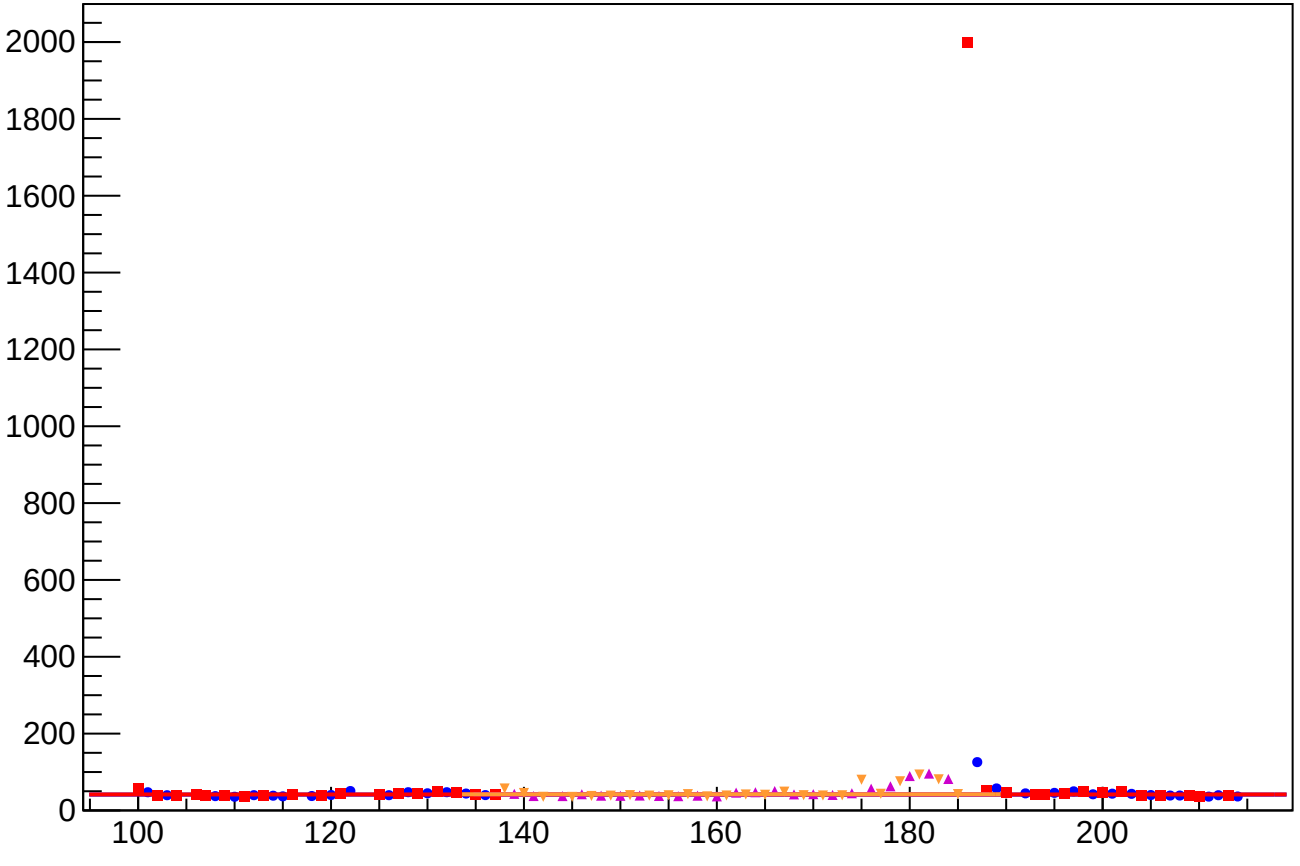
Right: 0.001+/-0.007 χ^2/NDF: 45.2/61

In: -0.005+/-0.007 χ^2/NDF:58.4/52

Out: 0.003+/-0.007 χ^2/NDF:38.2/55

All: -0.001+/-0.005 χ^2/NDF: 97.2/108

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

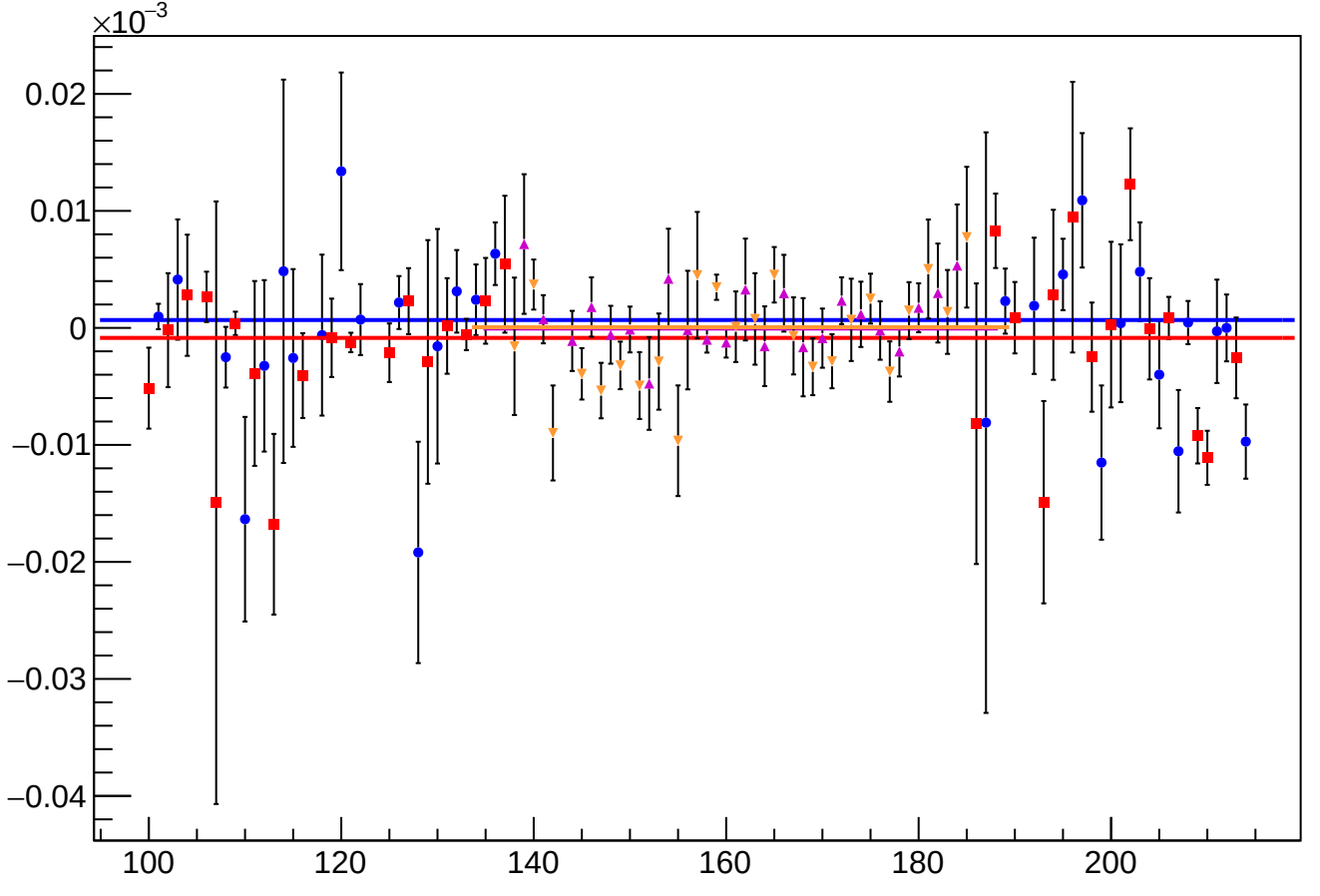
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 41.453+/-0.005 χ^2/NDF: 1510334.8/61

In: 41.652+/-0.005 χ^2/NDF:1939683.8/52

Out: 41.860+/-0.005 χ^2/NDF:2837005.9/55

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



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

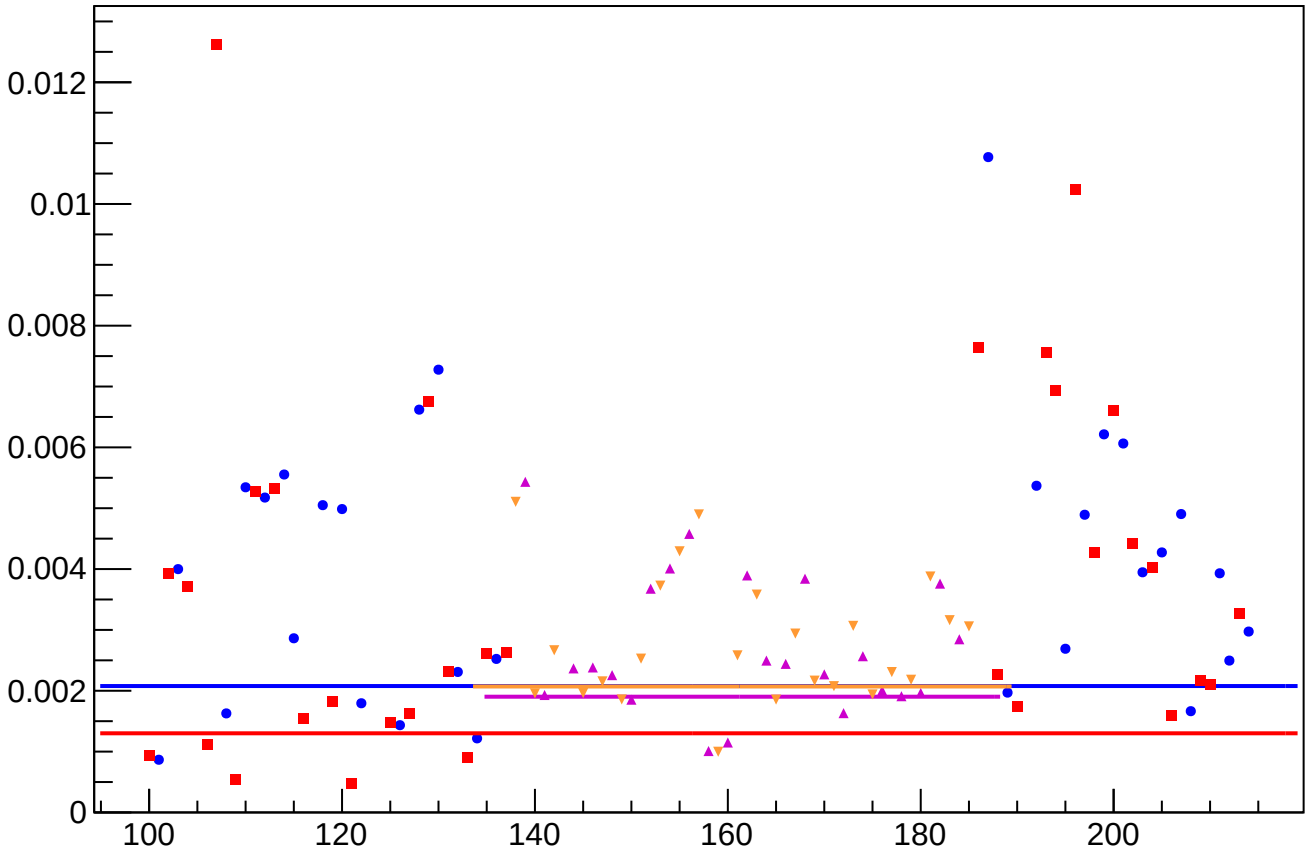
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: -0.000+/-0.000 χ^2/NDF: 118.5/61

In: 0.000+/-0.000 χ^2/NDF:58.9/52

Out: -0.000+/-0.000 χ^2/NDF:122.7/55

All: -0.000+/-0.000 χ^2/NDF: 183.6/108



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

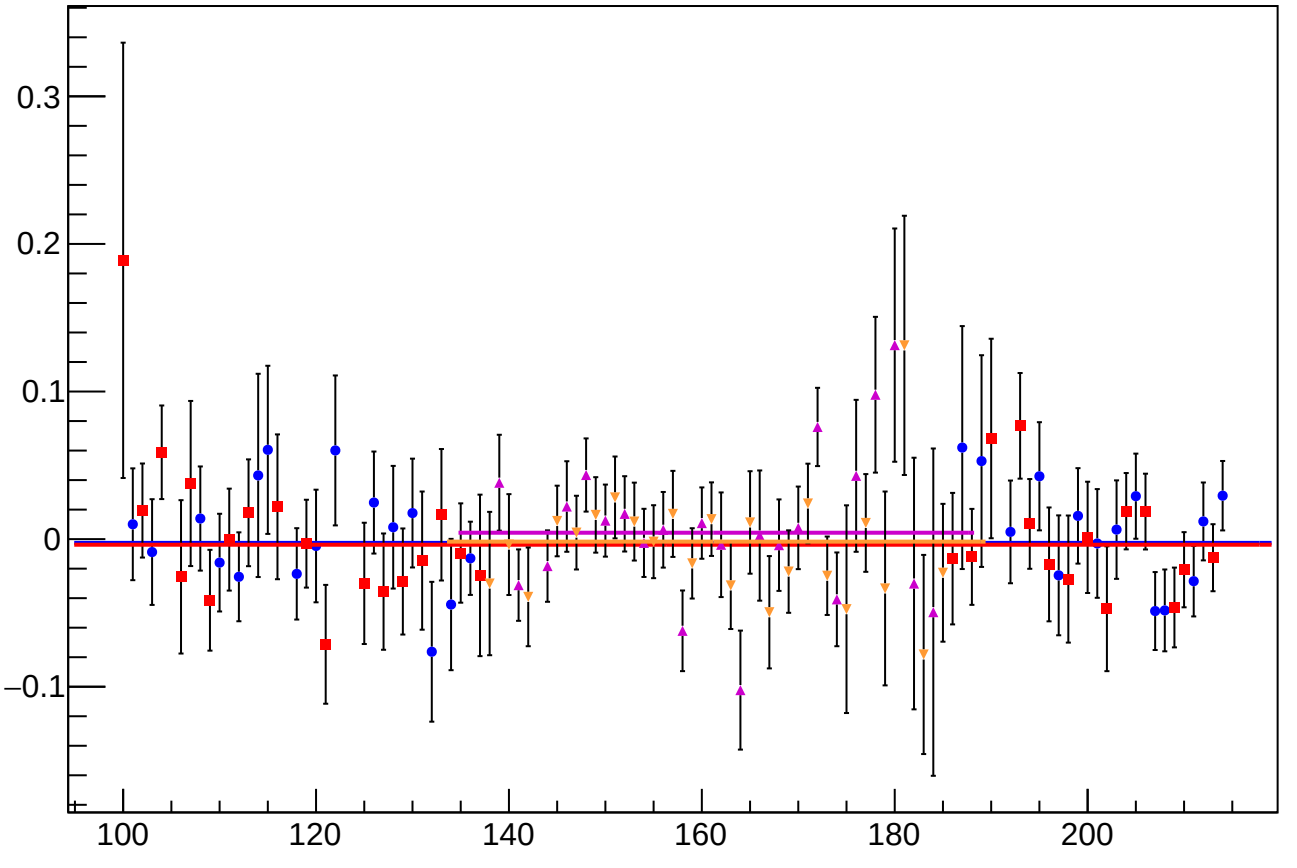
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.002+/-0.000 χ^2/NDF: 28778428.4/61

In: 0.002+/-0.000 χ^2/NDF:16651687.4/52

Out: 0.002+/-0.000 χ^2/NDF:23757895.4/55

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



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

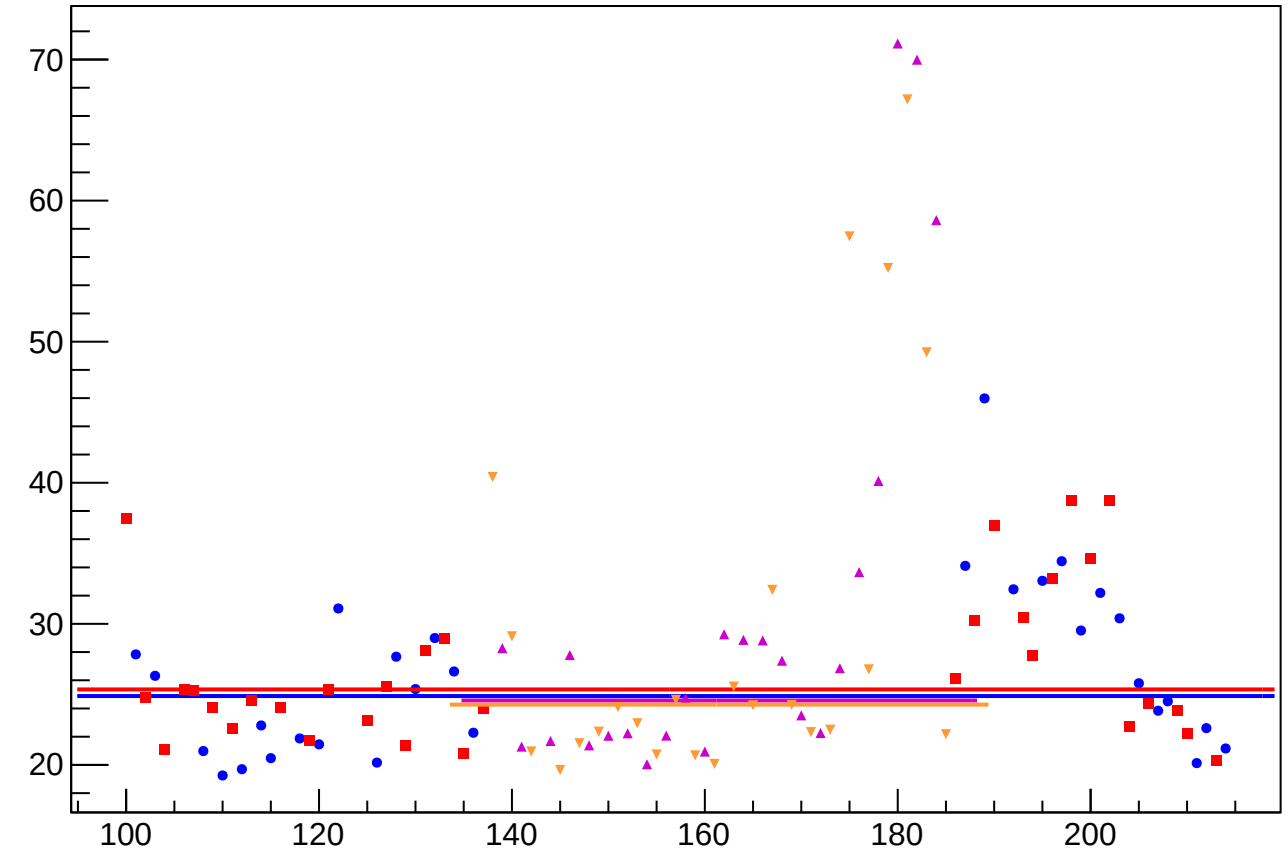
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.004 χ^2/NDF: 49.1/61

In: 0.001+/-0.004 χ^2/NDF:60.1/52

Out: -0.003+/-0.004 χ^2/NDF:40.8/55

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



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

Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

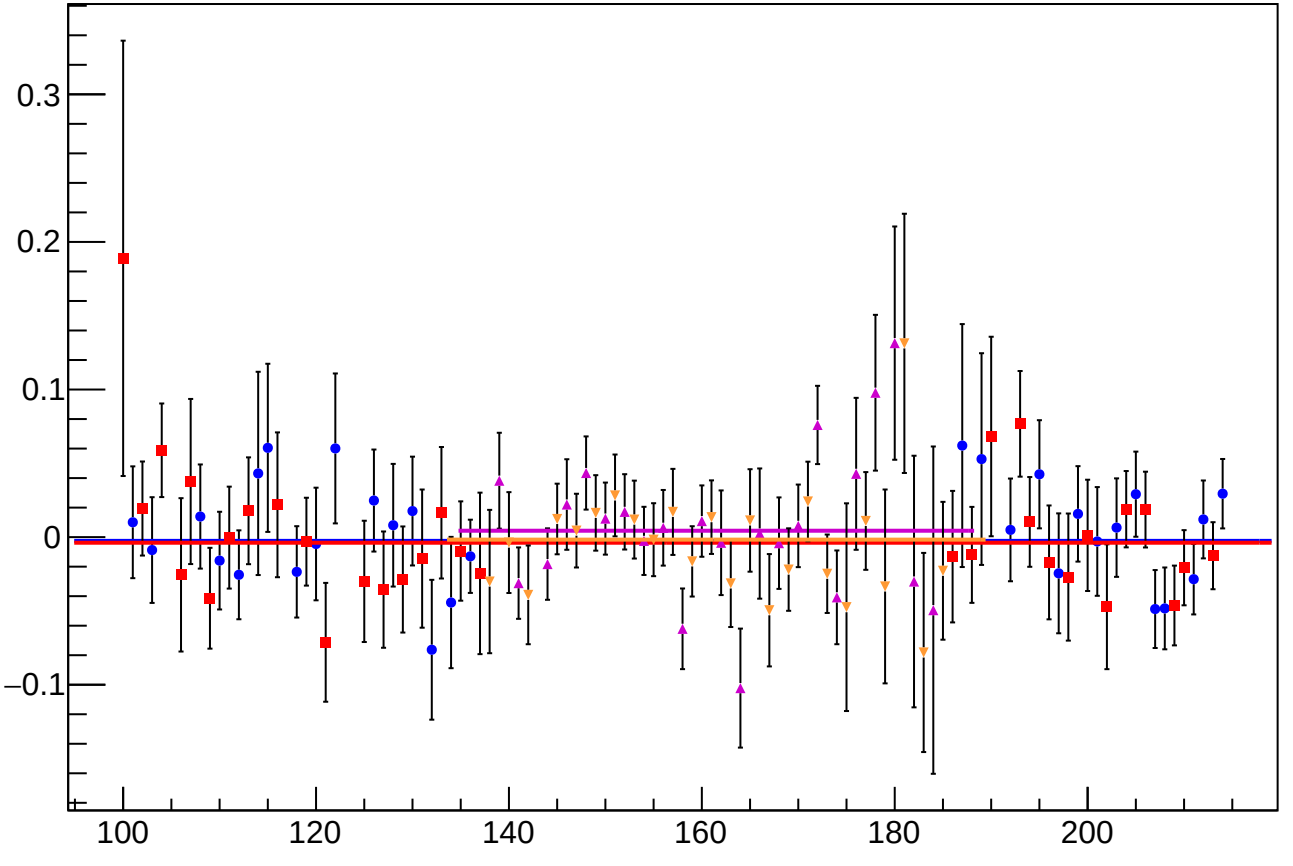
Right: 25.115+/-0.003 χ^2/NDF: 2258285.6/61

In: 24.727+/-0.003 χ^2/NDF:3284488.1/52

Out: 24.818+/-0.003 χ^2/NDF:3443261.5/55

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

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

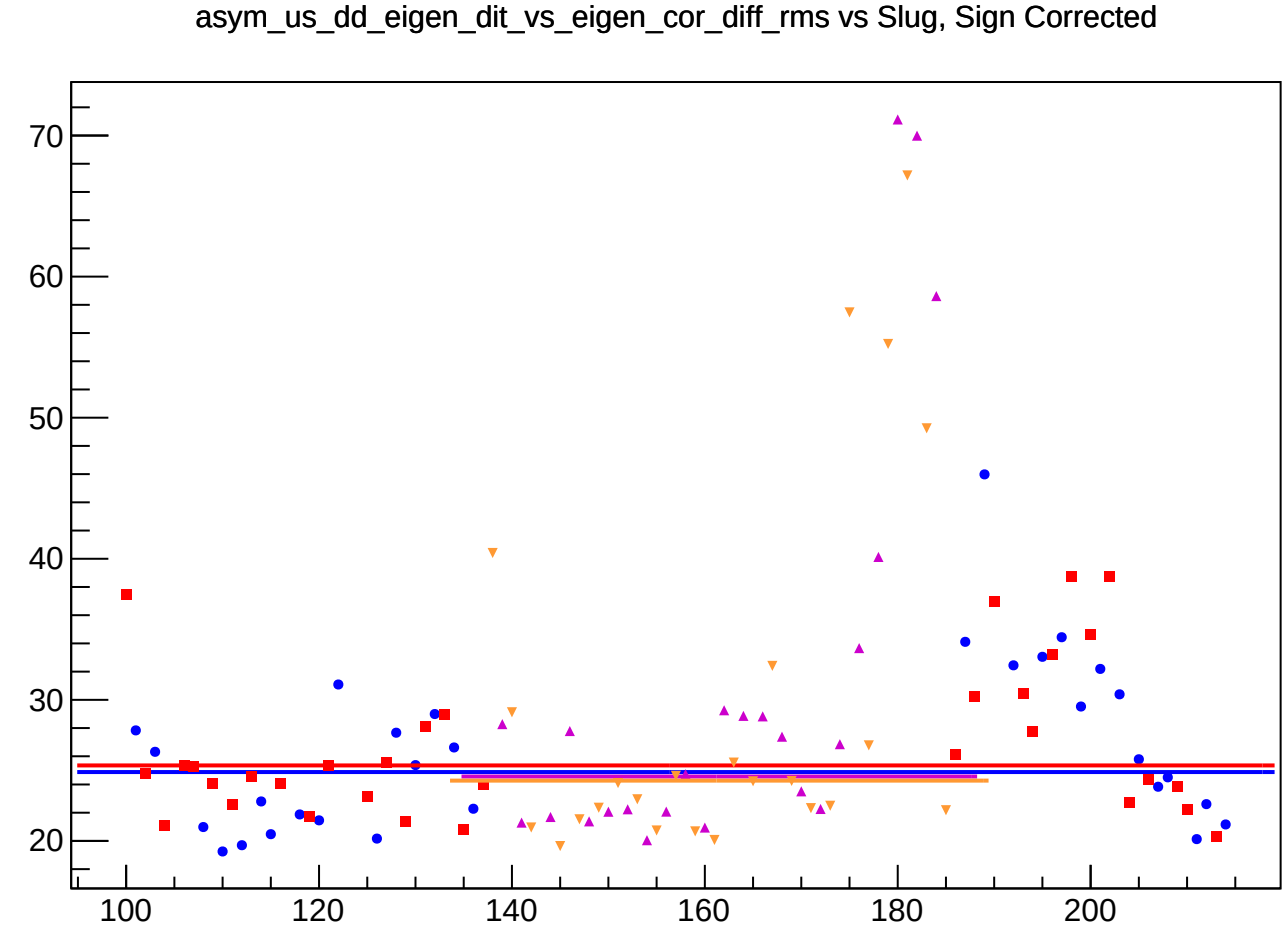
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.004 χ^2/NDF: 49.1/61

In: 0.001+/-0.004 χ^2/NDF:60.1/52

Out: -0.003+/-0.004 χ^2/NDF:40.8/55

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



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

Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

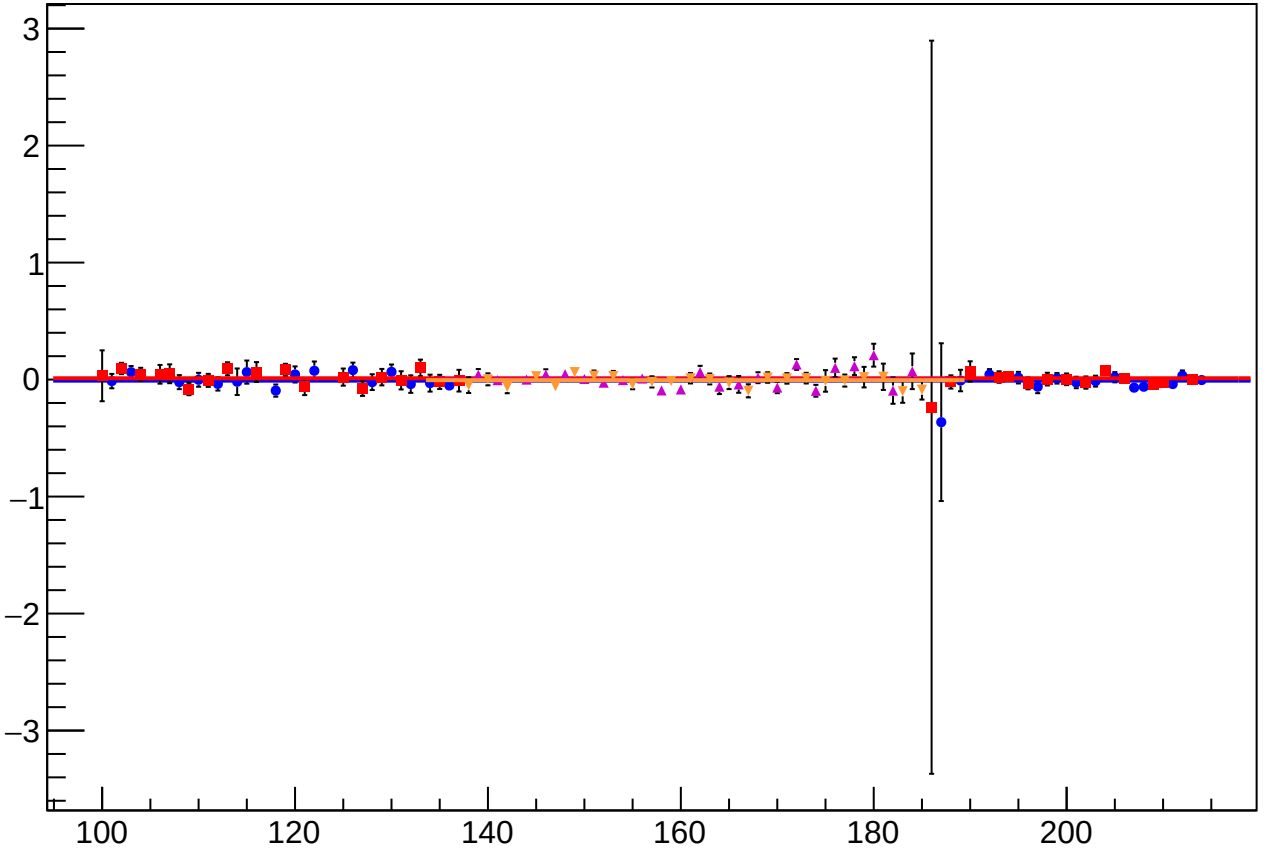
Right: 25.115+/-0.003 χ^2/NDF: 2258285.6/61

In: 24.727+/-0.003 χ^2/NDF:3284488.1/52

Out: 24.818+/-0.003 χ^2/NDF:3443261.5/55

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

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

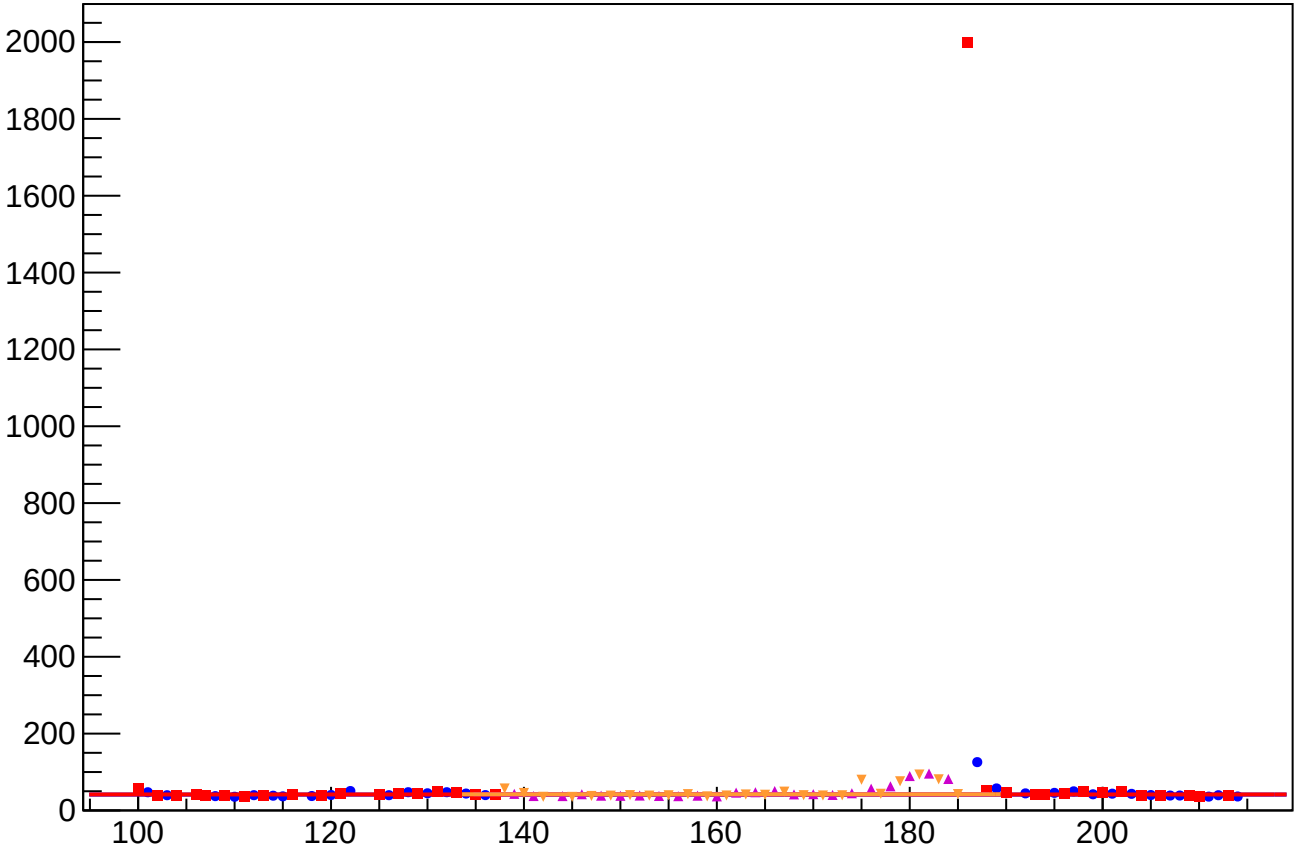
Right: 0.001+/-0.007 χ^2/NDF: 45.2/61

In: -0.005+/-0.007 χ^2/NDF:58.4/52

Out: 0.003+/-0.007 χ^2/NDF:38.2/55

All: -0.001+/-0.005 χ^2/NDF: 97.2/108

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

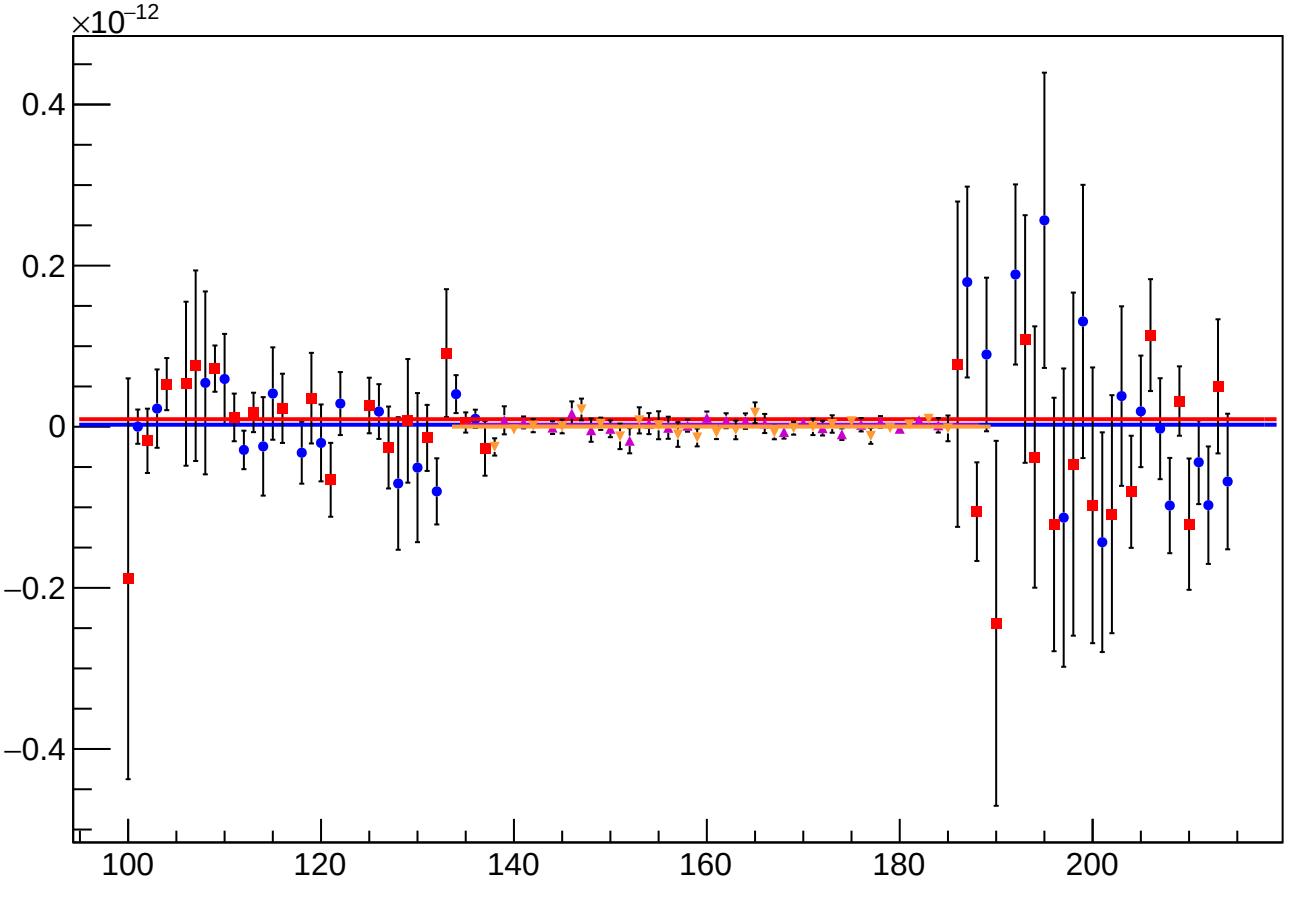
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 41.453+/-0.005 χ^2/NDF: 1510263.6/61

In: 41.652+/-0.005 χ^2/NDF:1939601.4/52

Out: 41.860+/-0.005 χ^2/NDF:2836984.5/55

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



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

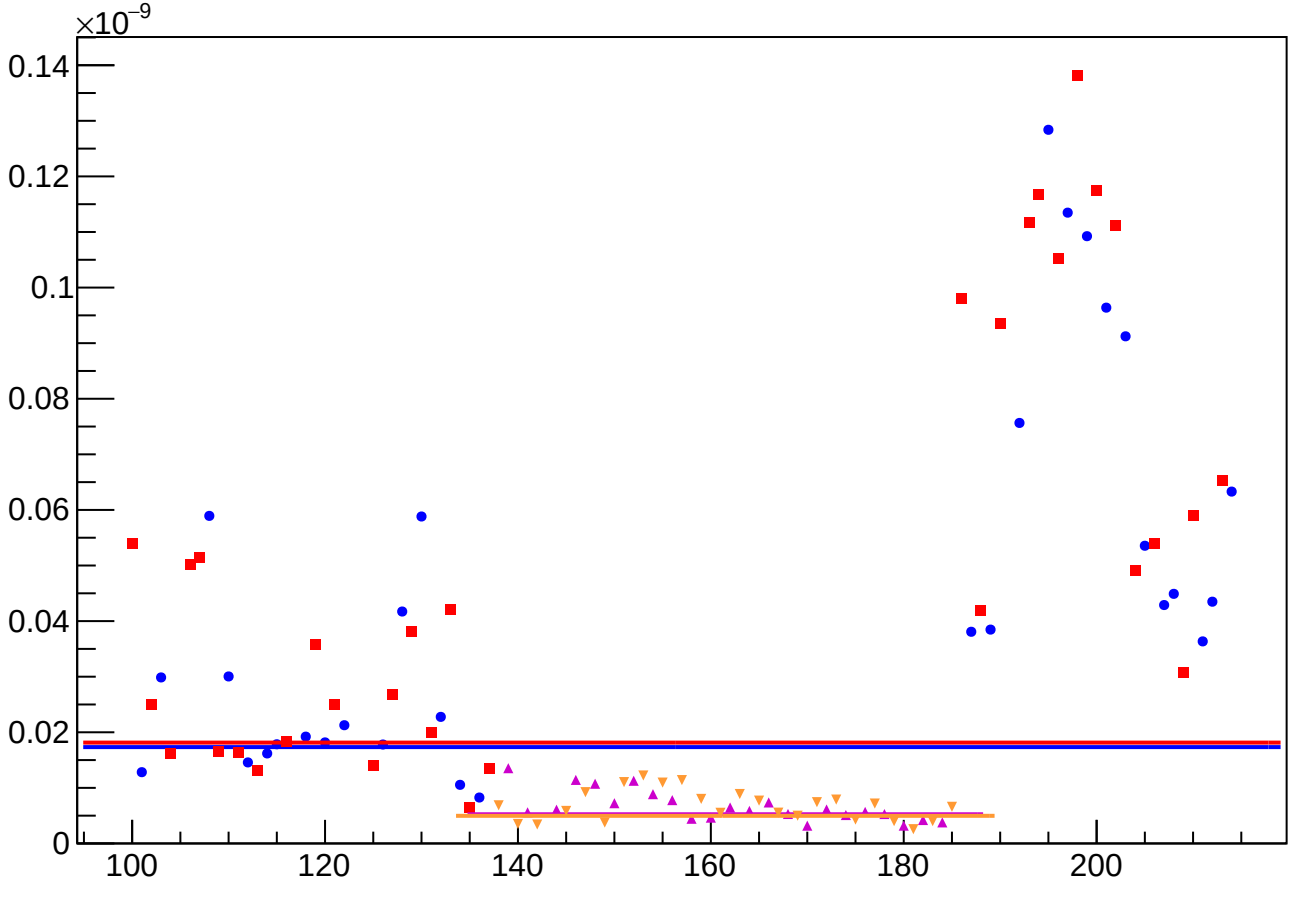
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 59.3/61

In: 0.000+/-0.000 χ^2/NDF:41.7/52

Out: 0.000+/-0.000 χ^2/NDF:51.5/55

All: 0.000+/-0.000 χ^2/NDF: 93.6/108



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

Left: 0.000+/-0.000 χ^2/NDF: 6182698.7/46

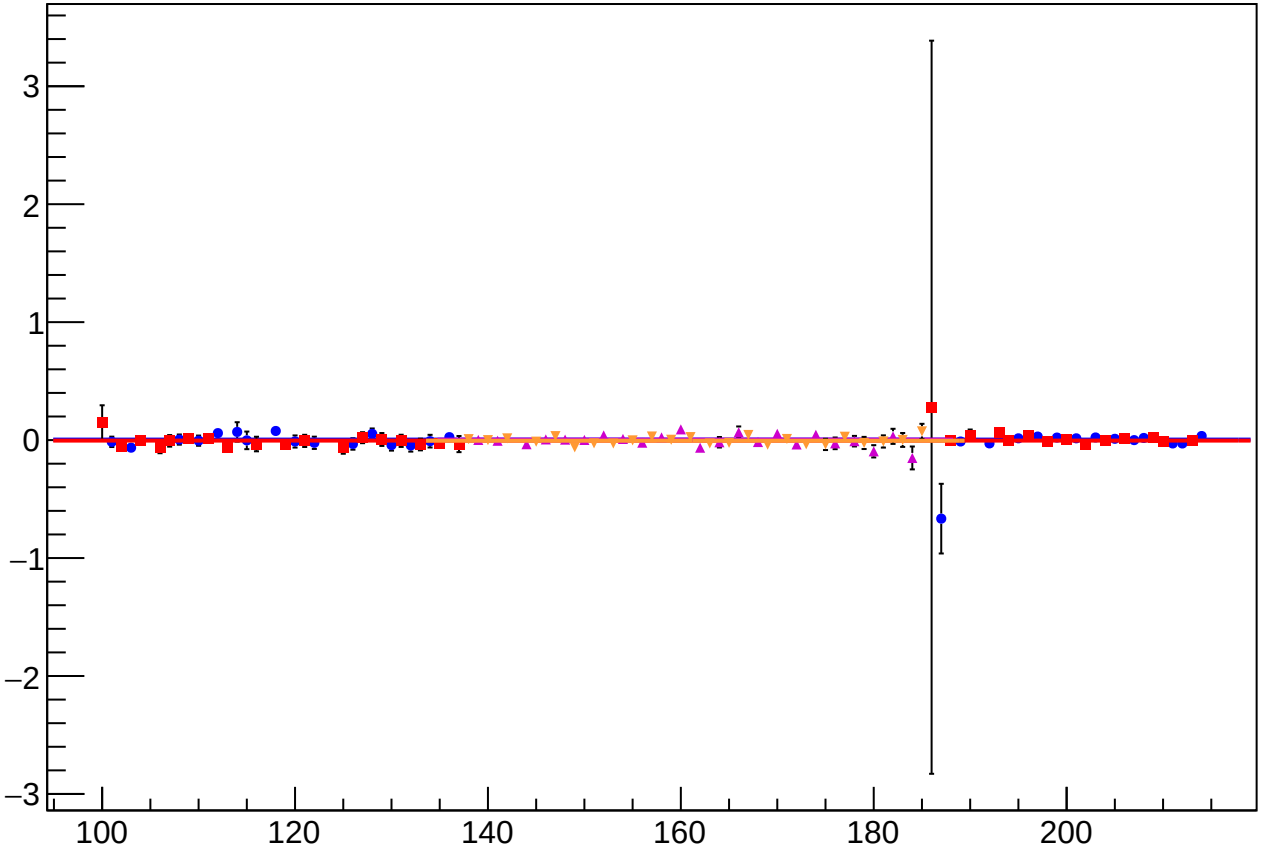
Right: 0.000+/-0.000 χ^2/NDF: 19513642.6/61

In: 0.000+/-0.000 χ^2/NDF:17457778.3/52

Out: 0.000+/-0.000 χ^2/NDF:19817173.3/55

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

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

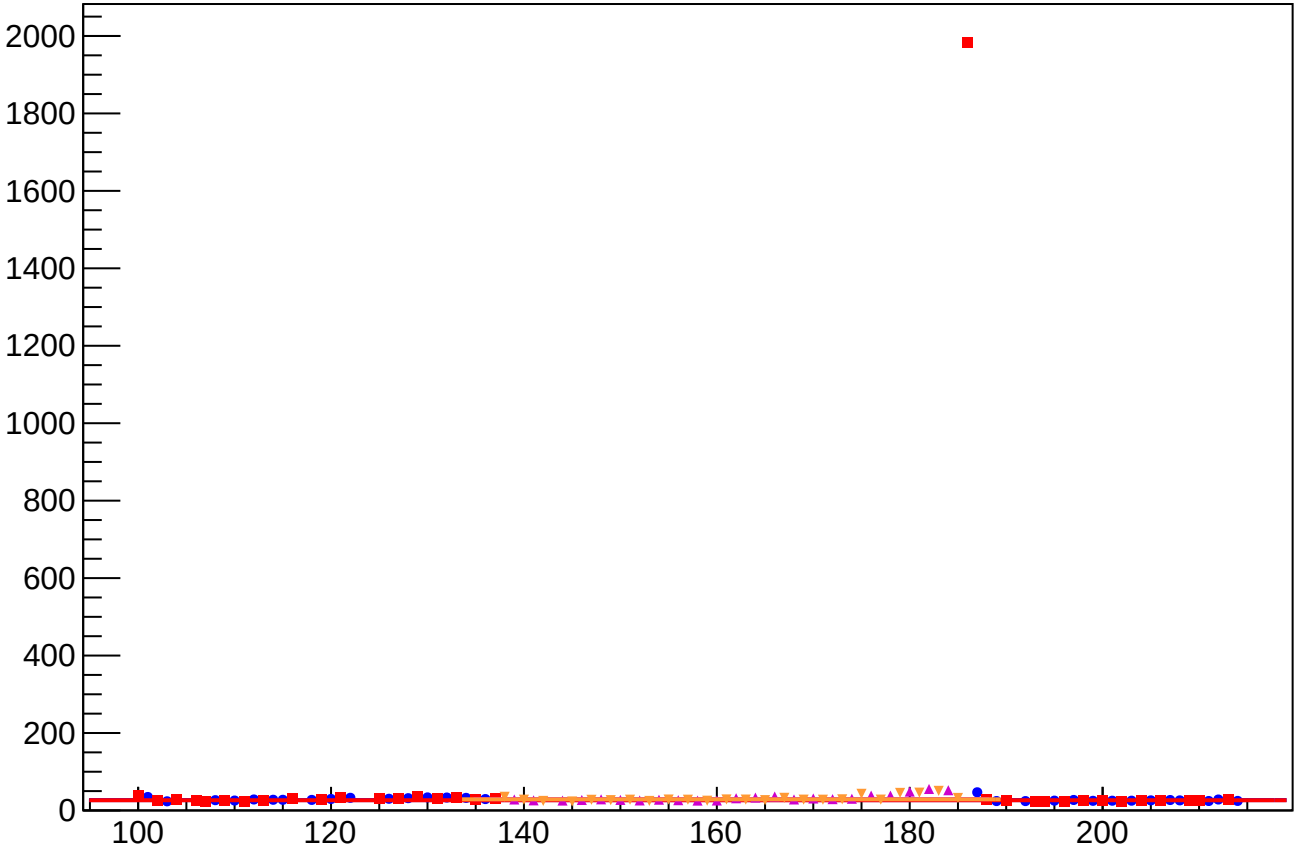
Right: -0.000+/-0.005 χ^2/NDF: 52.3/61

In: 0.004+/-0.005 χ^2/NDF:59.2/52

Out: -0.005+/-0.005 χ^2/NDF:40.3/55

All: -0.000+/-0.003 χ^2/NDF: 101.2/108

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 29.014+/-0.004 χ^2/NDF: 2315363.1/46

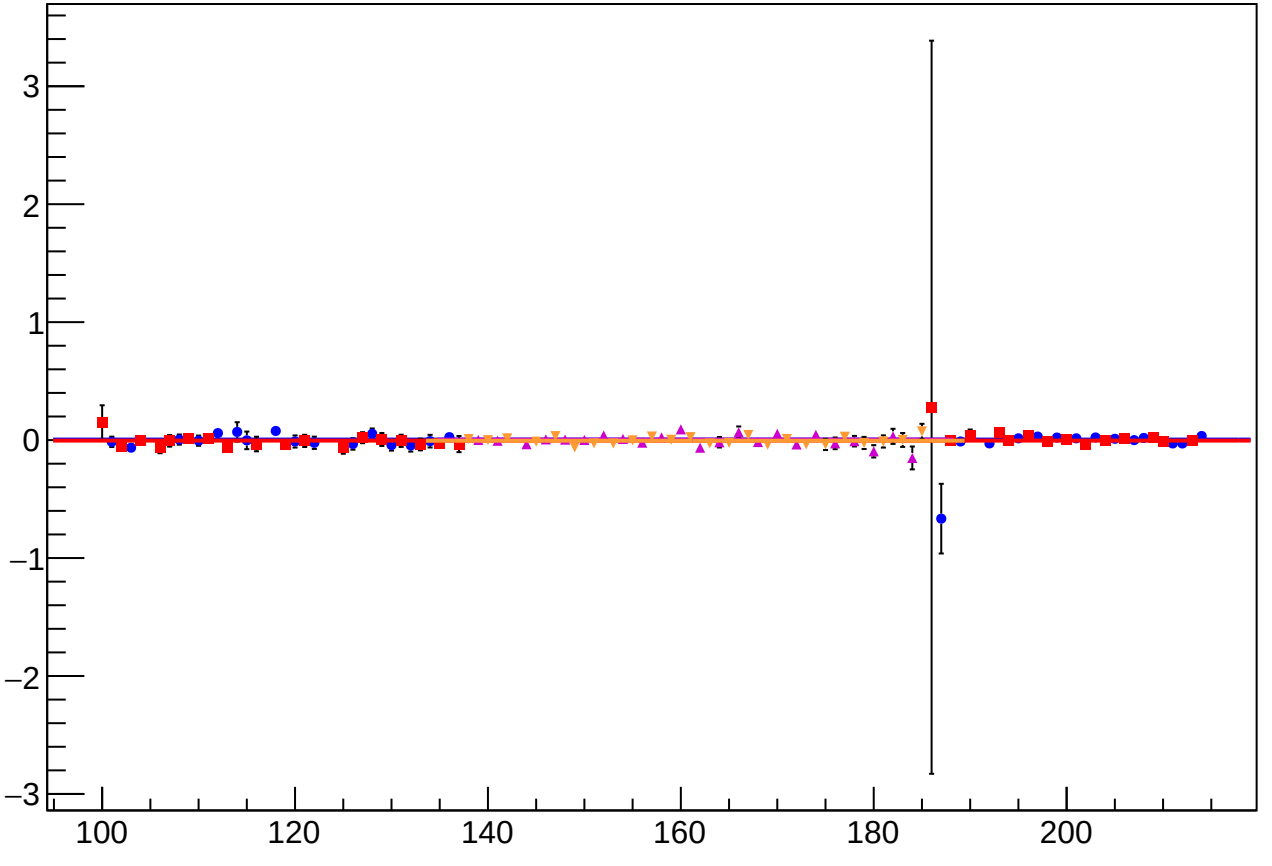
Right: 26.581+/-0.003 χ^2/NDF: 1482320.7/61

In: 27.898+/-0.003 χ^2/NDF:1633909.2/52

Out: 27.485+/-0.003 χ^2/NDF:2410876.2/55

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

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

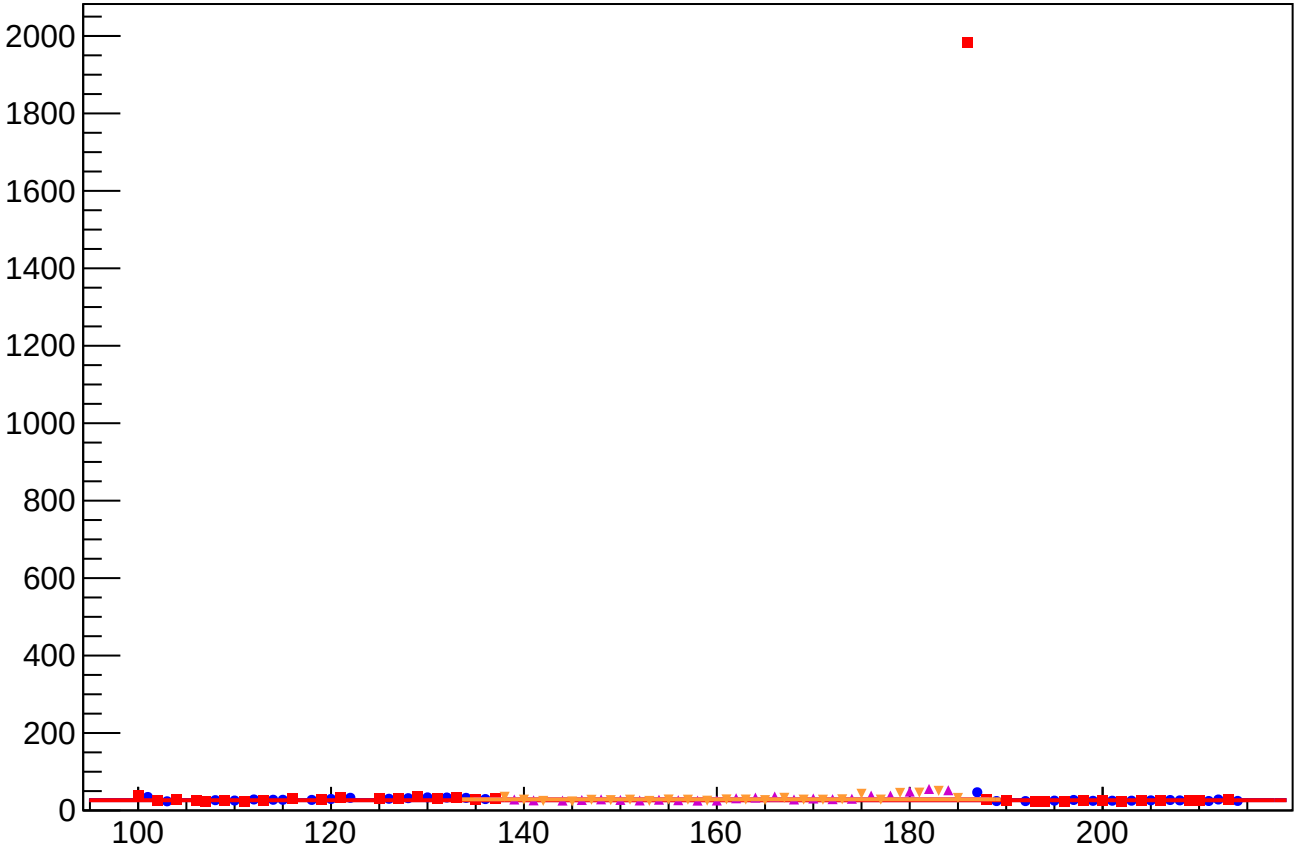
Right: -0.000+/-0.005 χ^2/NDF: 52.3/61

In: 0.004+/-0.005 χ^2/NDF:59.2/52

Out: -0.005+/-0.005 χ^2/NDF:40.3/55

All: -0.000+/-0.003 χ^2/NDF: 101.2/108

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 29.014+/-0.004 χ^2/NDF: 2315363.1/46

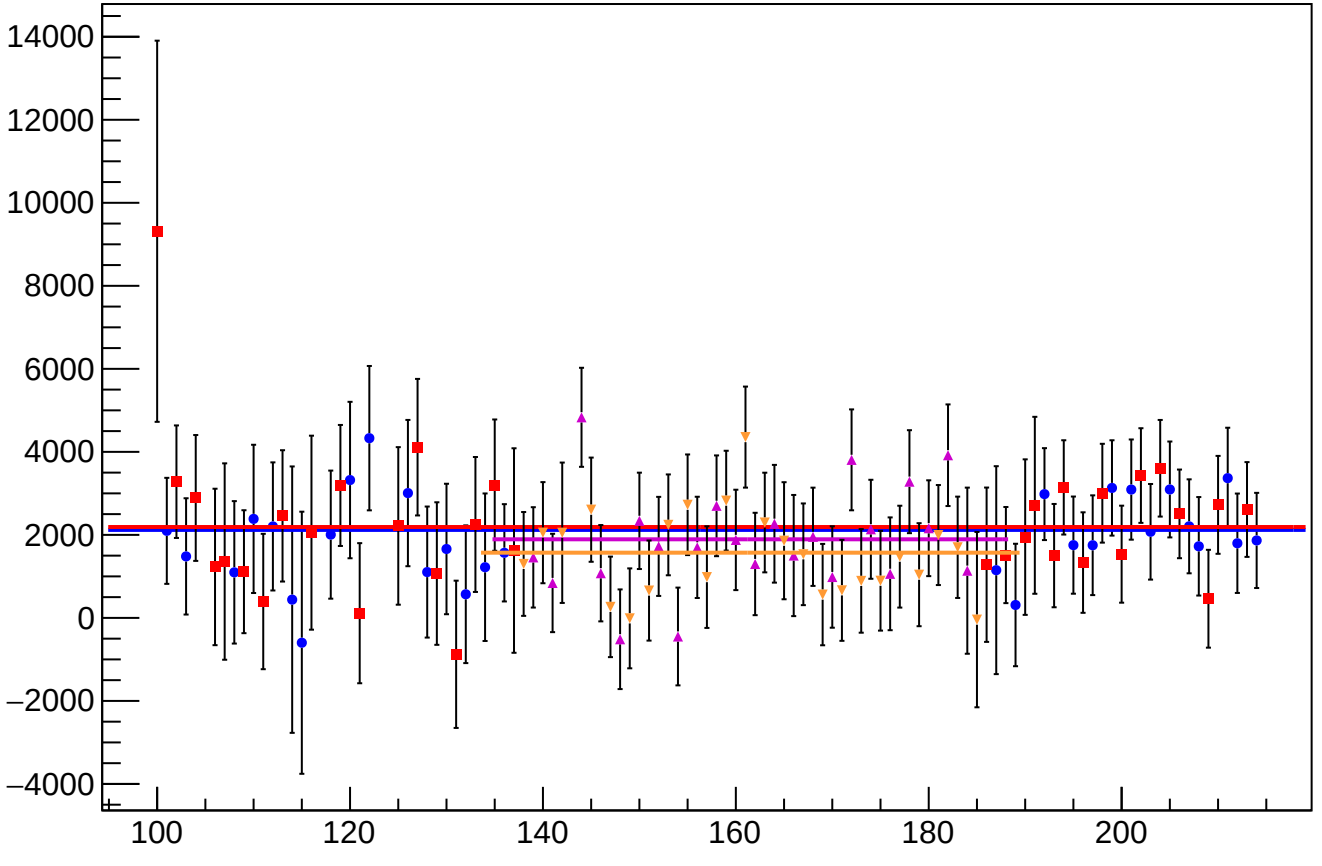
Right: 26.581+/-0.003 χ^2/NDF: 1482320.7/61

In: 27.898+/-0.003 χ^2/NDF:1633909.2/52

Out: 27.485+/-0.003 χ^2/NDF:2410876.2/55

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

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left: 1731.072+/-182.032 χ^2/NDF: 40.3/46

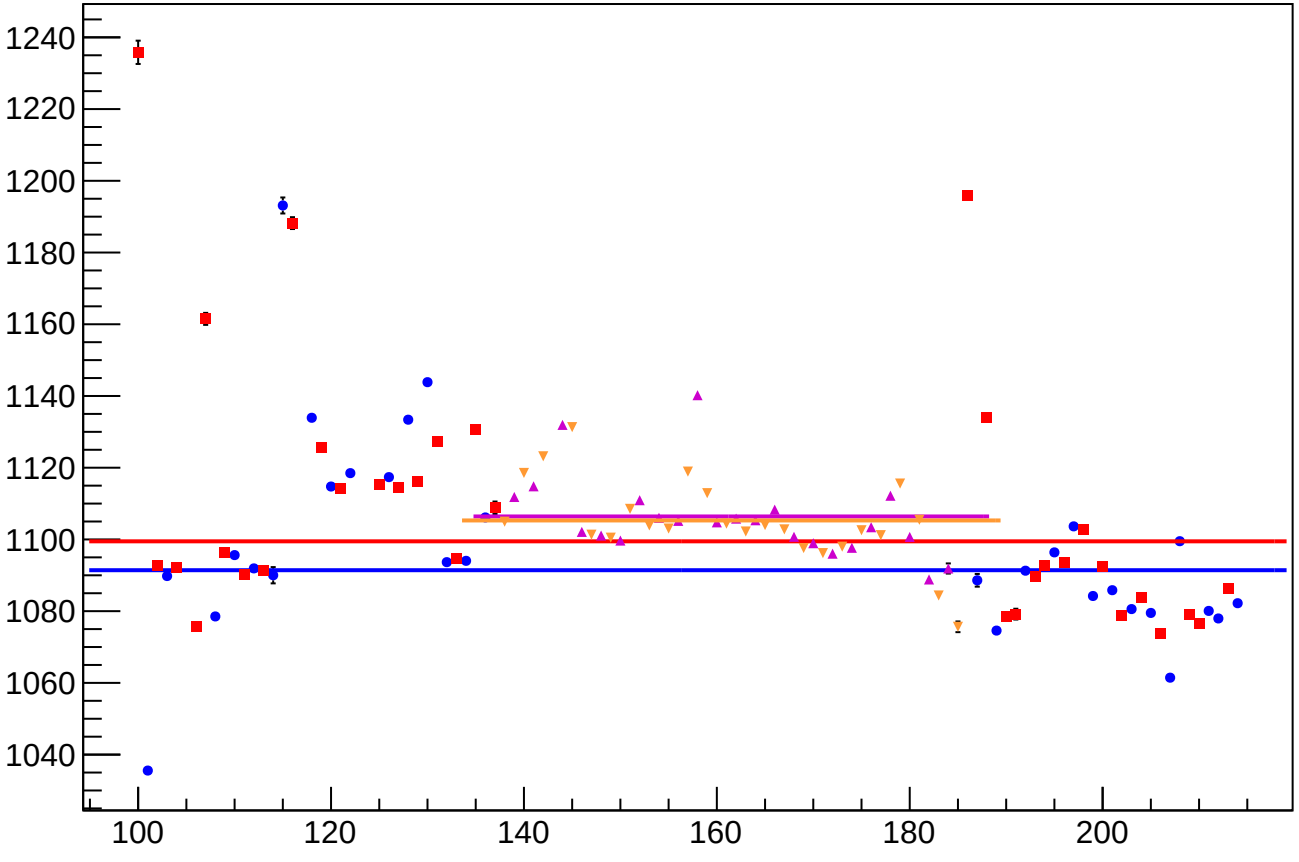
Right: 2154.840+/-179.491 χ^2/NDF: 32.5/62

In: 2008.112+/-181.429 χ^2/NDF:36.1/52

Out: 1884.681+/-180.076 χ^2/NDF:39.2/56

All: 1945.934+/-127.809 χ^2/NDF: 75.5/109

reg_asym_usl_rms vs Slug, Sign Corrected



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

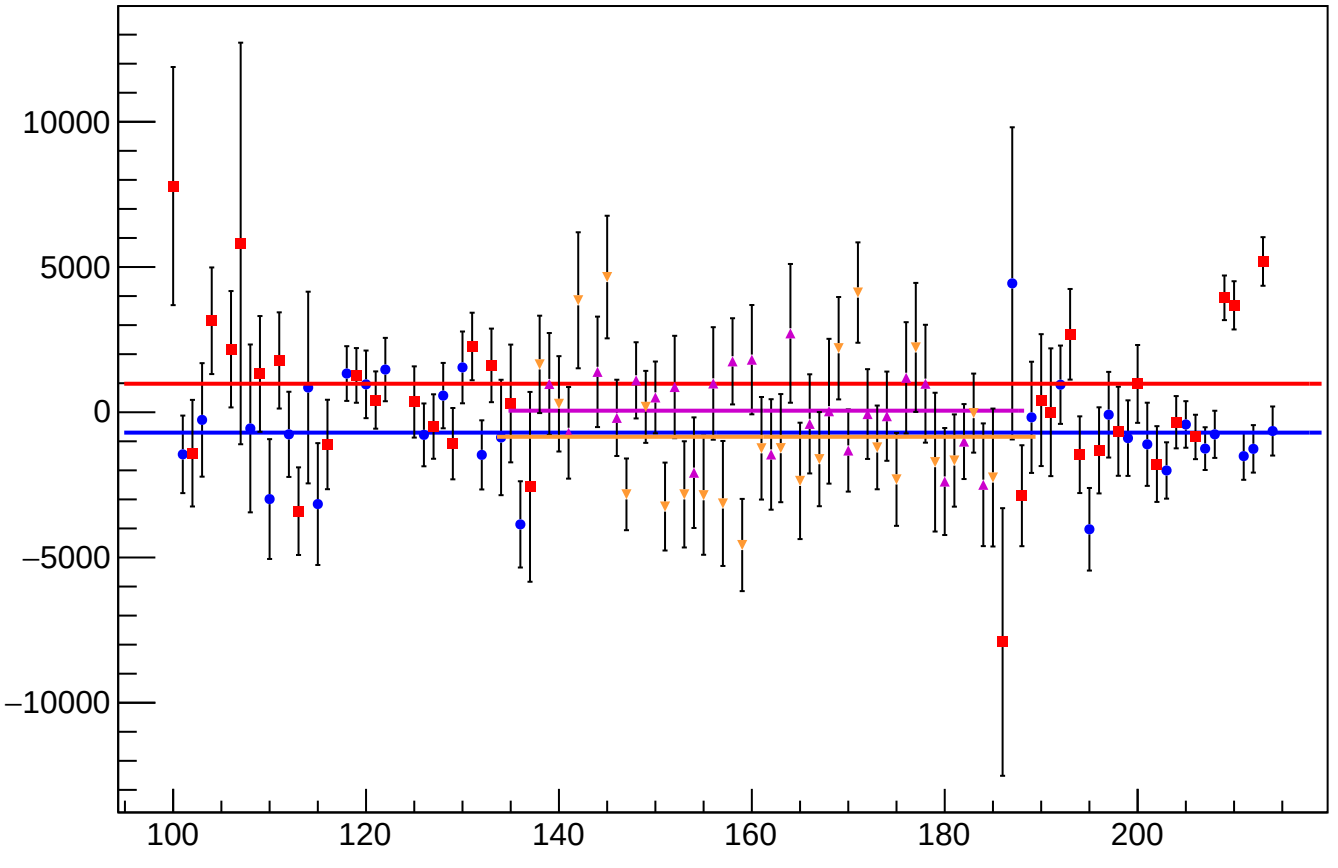
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1095.478+/-0.127 χ^2/NDF: 37714.1/62

In: 1098.811+/-0.128 χ^2/NDF:22991.0/52

Out: 1102.341+/-0.127 χ^2/NDF:24587.9/56

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



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

Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

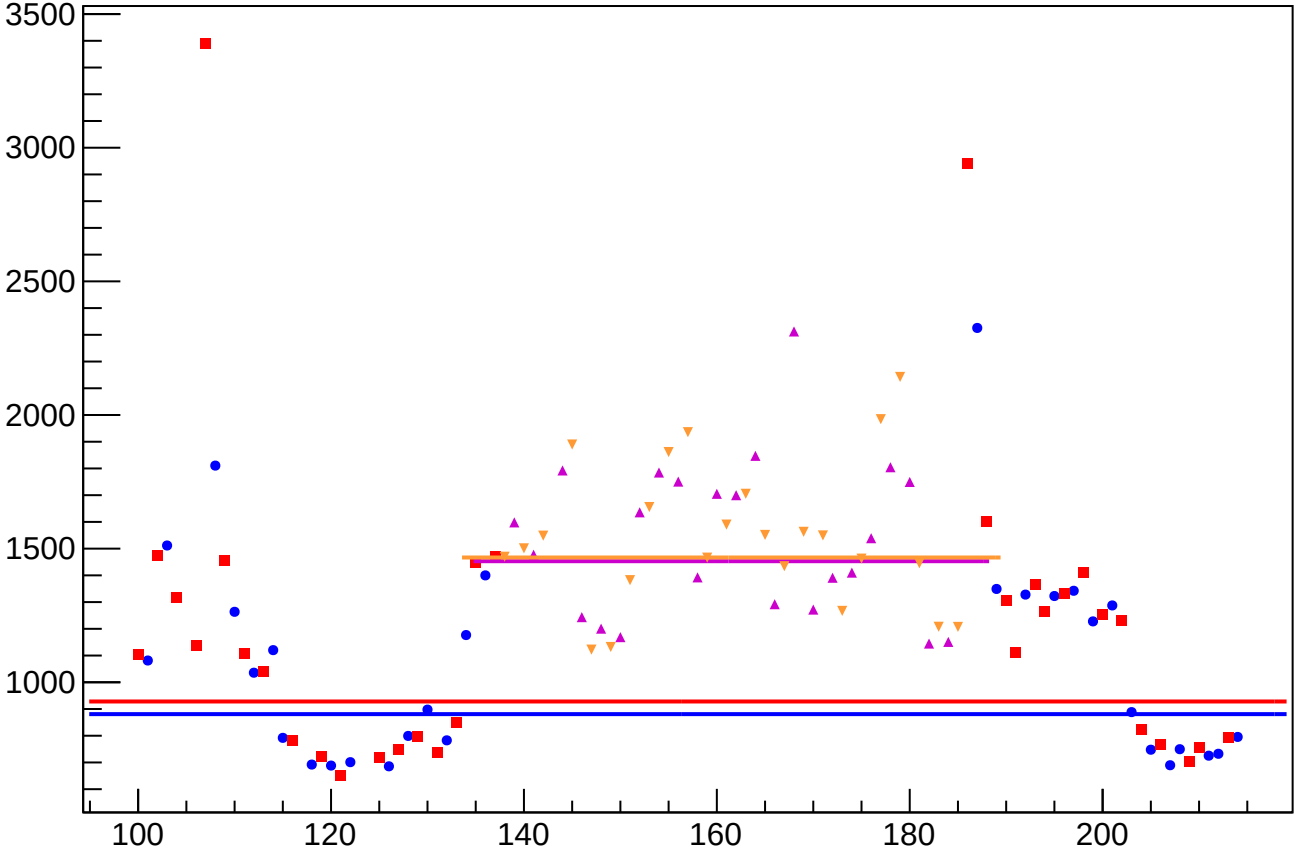
Right: 100.901+/-155.485 χ^2/NDF: 170.3/62

In: -490.784+/-182.543 χ^2/NDF:52.1/52

Out: 441.318+/-188.993 χ^2/NDF:169.1/56

All: -40.911+/-131.298 χ^2/NDF: 233.7/109

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

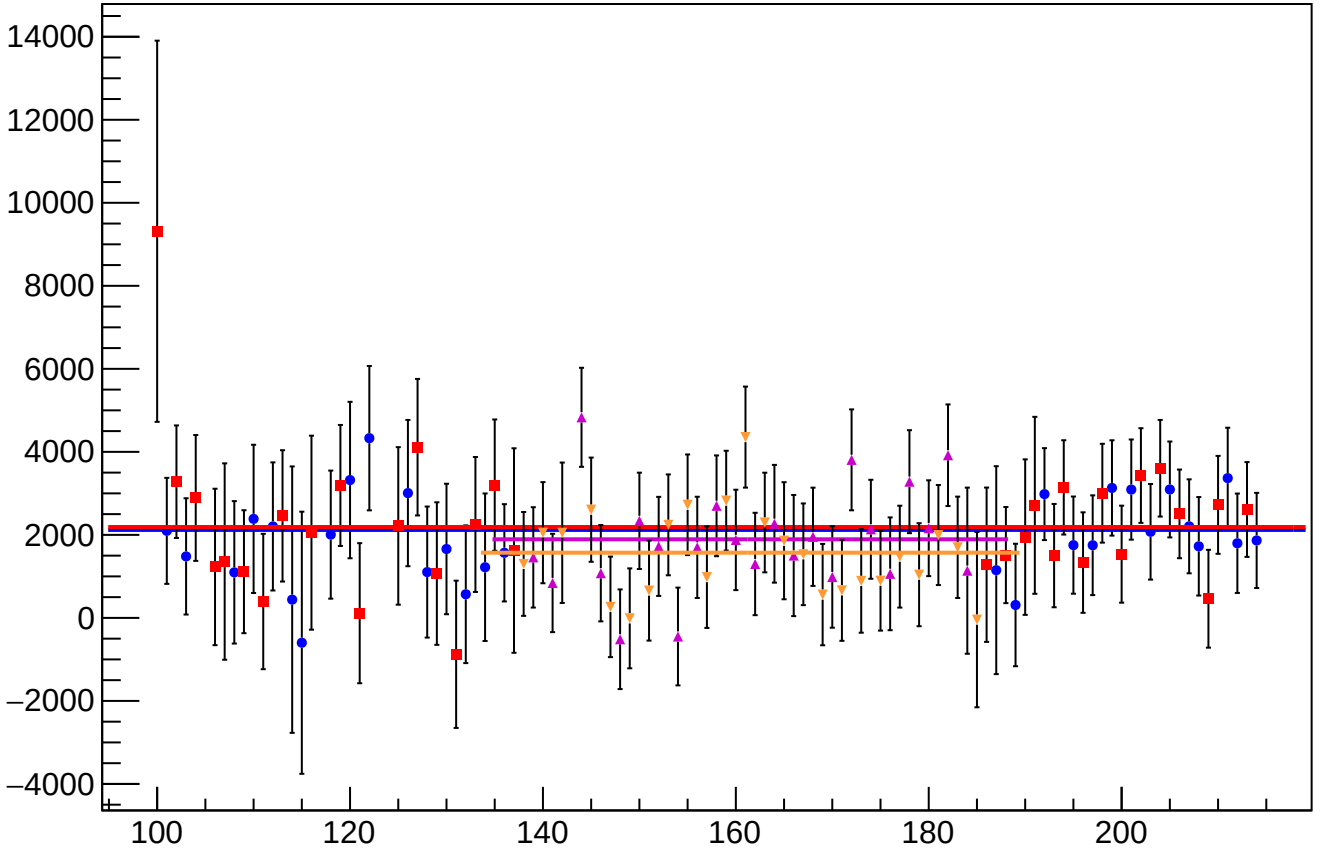
Right: 903.357+/-0.110 χ^2/NDF: 6167200.6/62

In: 1040.105+/-0.129 χ^2/NDF:7789619.1/52

Out: 1087.617+/-0.134 χ^2/NDF:7838349.7/56

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

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left: 1731.072+/-182.032 χ^2/NDF: 40.3/46

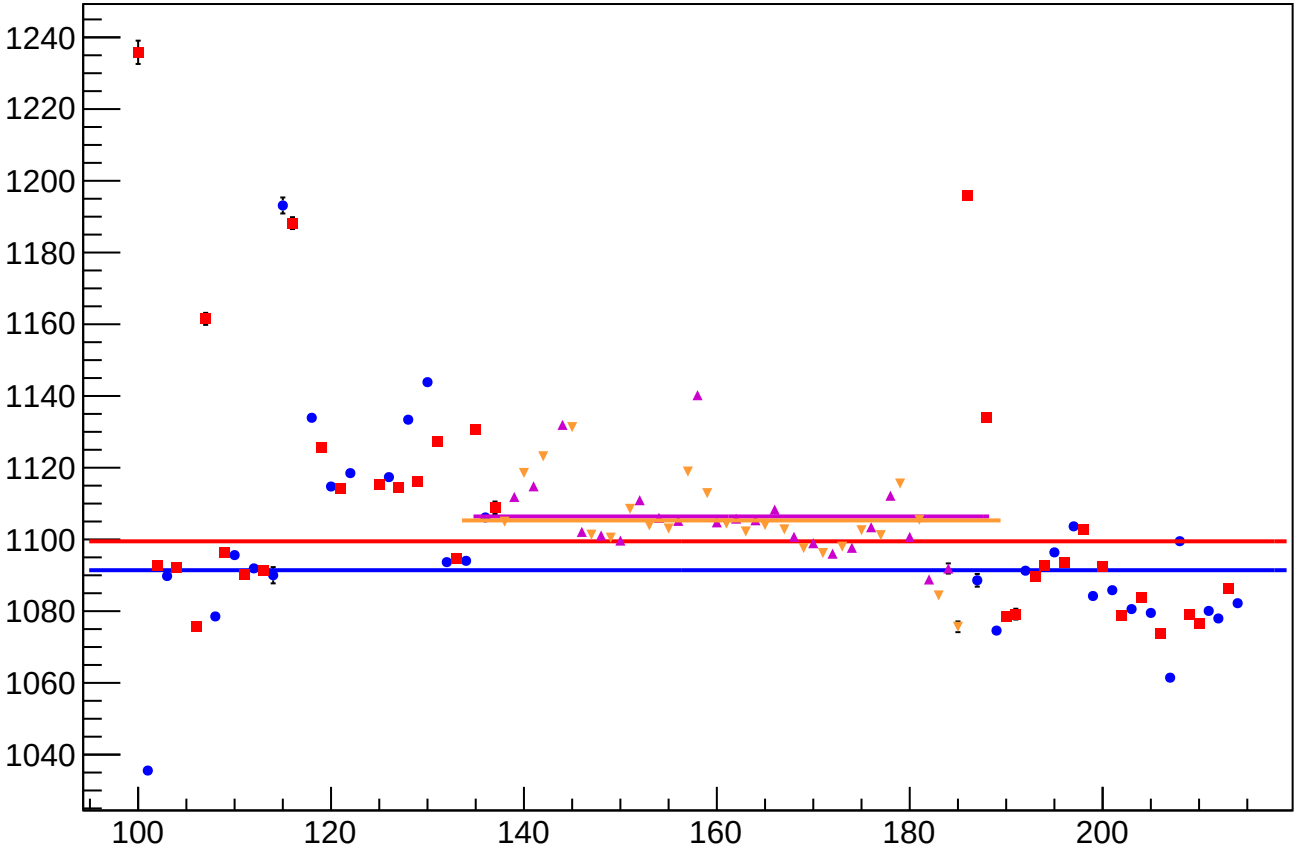
Right: 2154.836+/-179.491 χ^2/NDF: 32.5/62

In: 2008.112+/-181.429 χ^2/NDF:36.1/52

Out: 1884.677+/-180.076 χ^2/NDF:39.2/56

All: 1945.933+/-127.809 χ^2/NDF: 75.5/109

cor_asym_usl_rms vs Slug, Sign Corrected



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

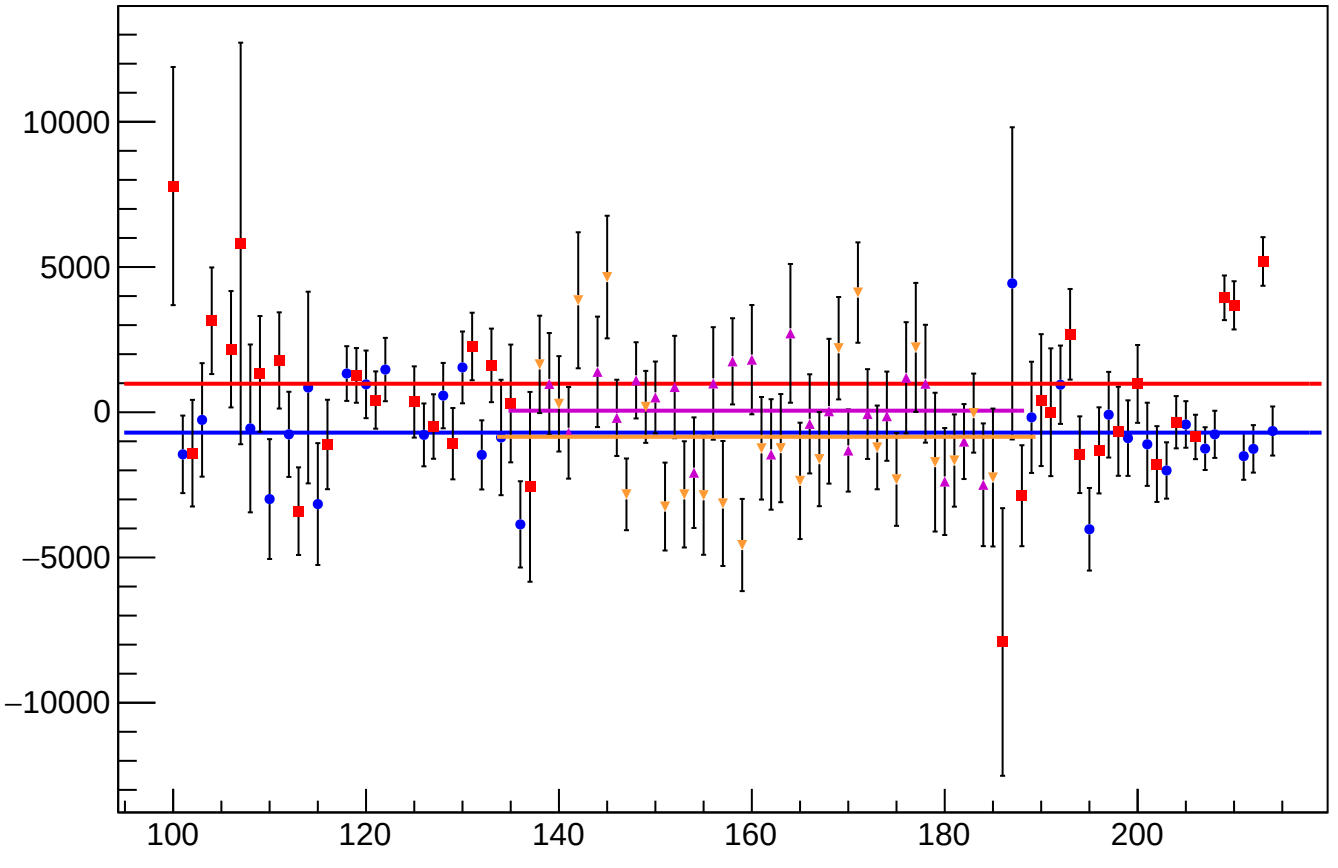
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1095.478+/-0.127 χ^2/NDF: 37714.1/62

In: 1098.811+/-0.128 χ^2/NDF:22991.0/52

Out: 1102.341+/-0.127 χ^2/NDF:24587.9/56

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



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

Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

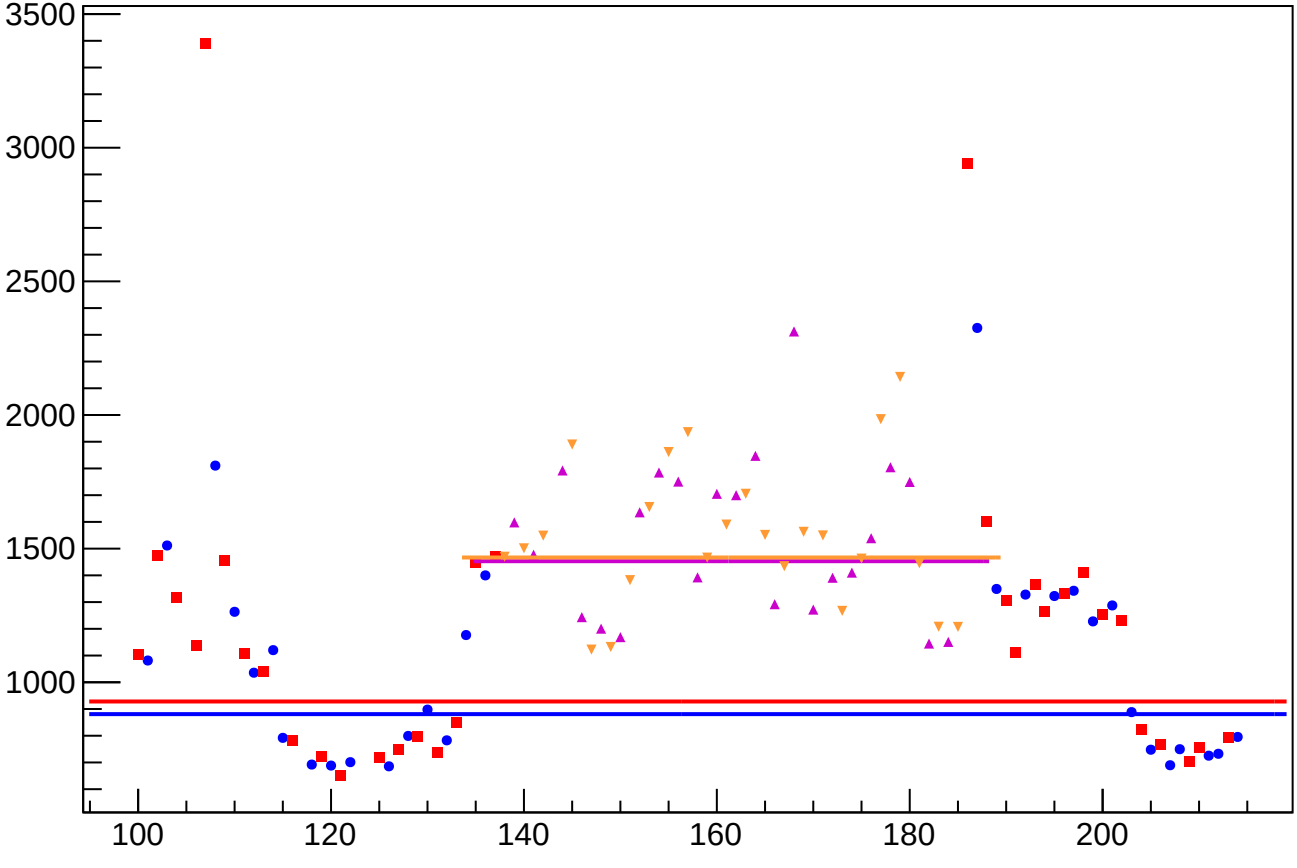
Right: 100.901+/-155.485 χ^2/NDF: 170.3/62

In: -490.784+/-182.543 χ^2/NDF:52.1/52

Out: 441.318+/-188.993 χ^2/NDF:169.1/56

All: -40.911+/-131.298 χ^2/NDF: 233.7/109

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

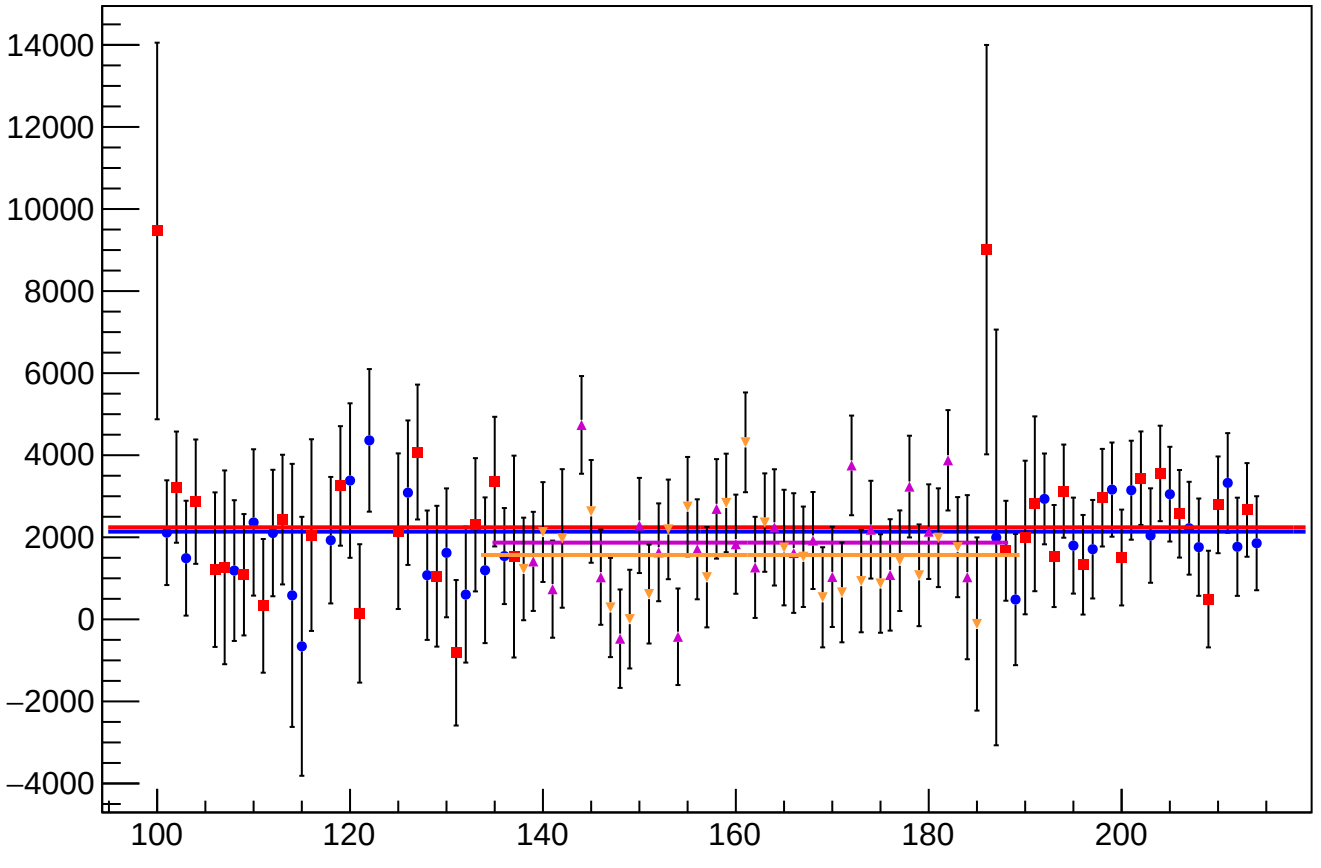
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 903.357+/-0.110 χ^2/NDF: 6167198.8/62

In: 1040.105+/-0.129 χ^2/NDF:7789619.1/52

Out: 1087.617+/-0.134 χ^2/NDF:7838349.5/56

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



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

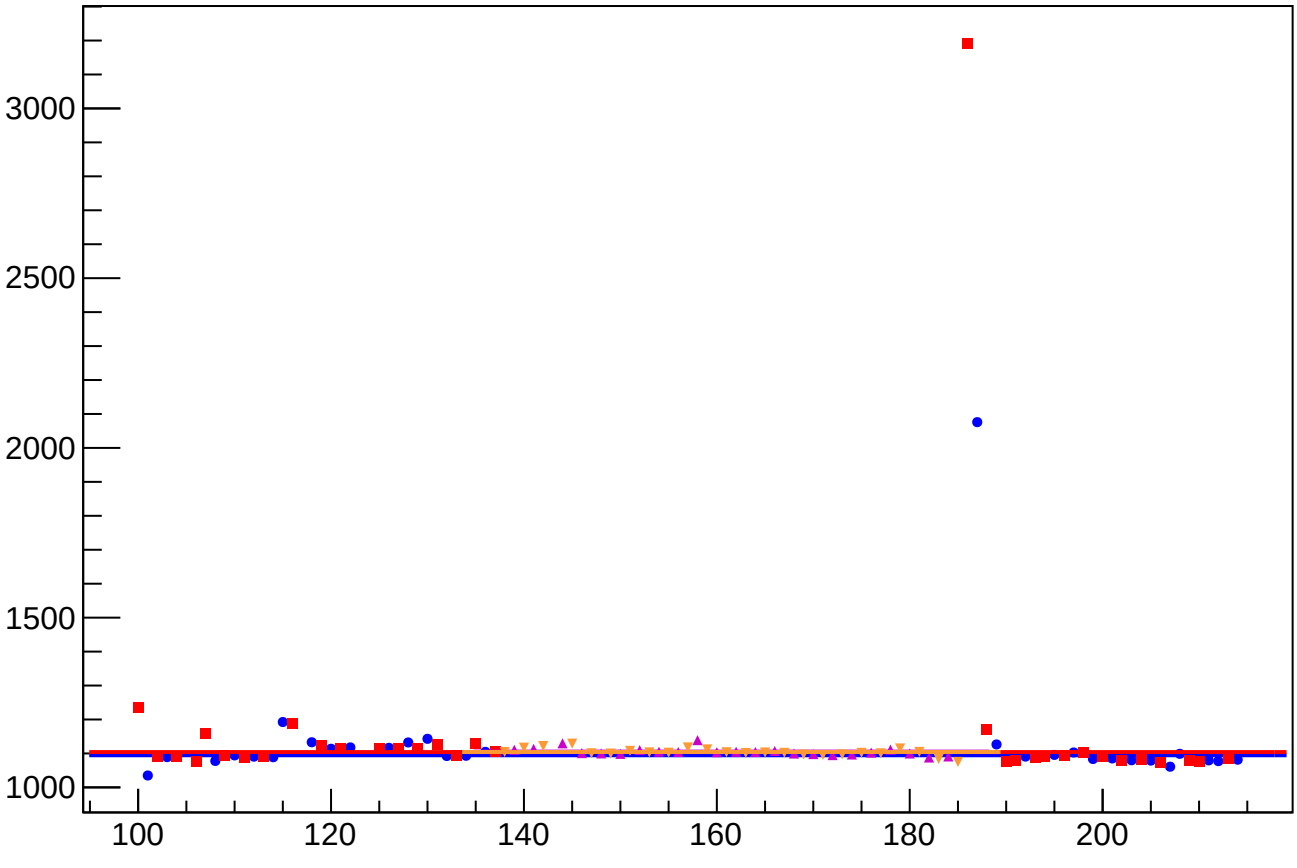
Left: 1718.009+/-181.862 χ^2/NDF: 39.5/46

Right: 2190.610+/-180.876 χ^2/NDF: 33.5/62

In: 2004.456+/-181.852 χ^2/NDF:35.0/52

Out: 1907.251+/-180.886 χ^2/NDF:41.3/56

All: 1955.595+/-128.246 χ^2/NDF: 76.4/109



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

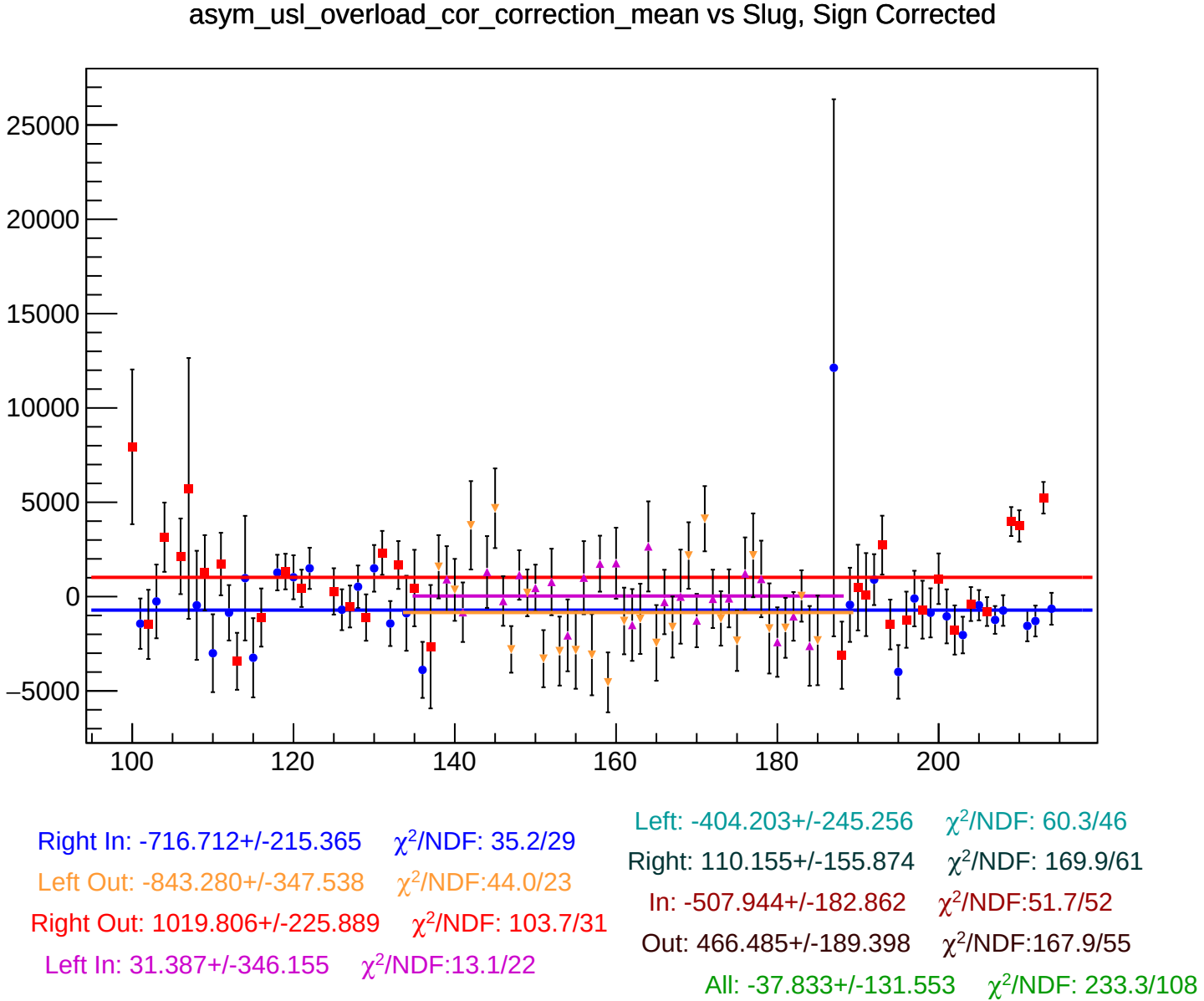
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1099.345+/-0.128 χ^2/NDF: 464360.3/62

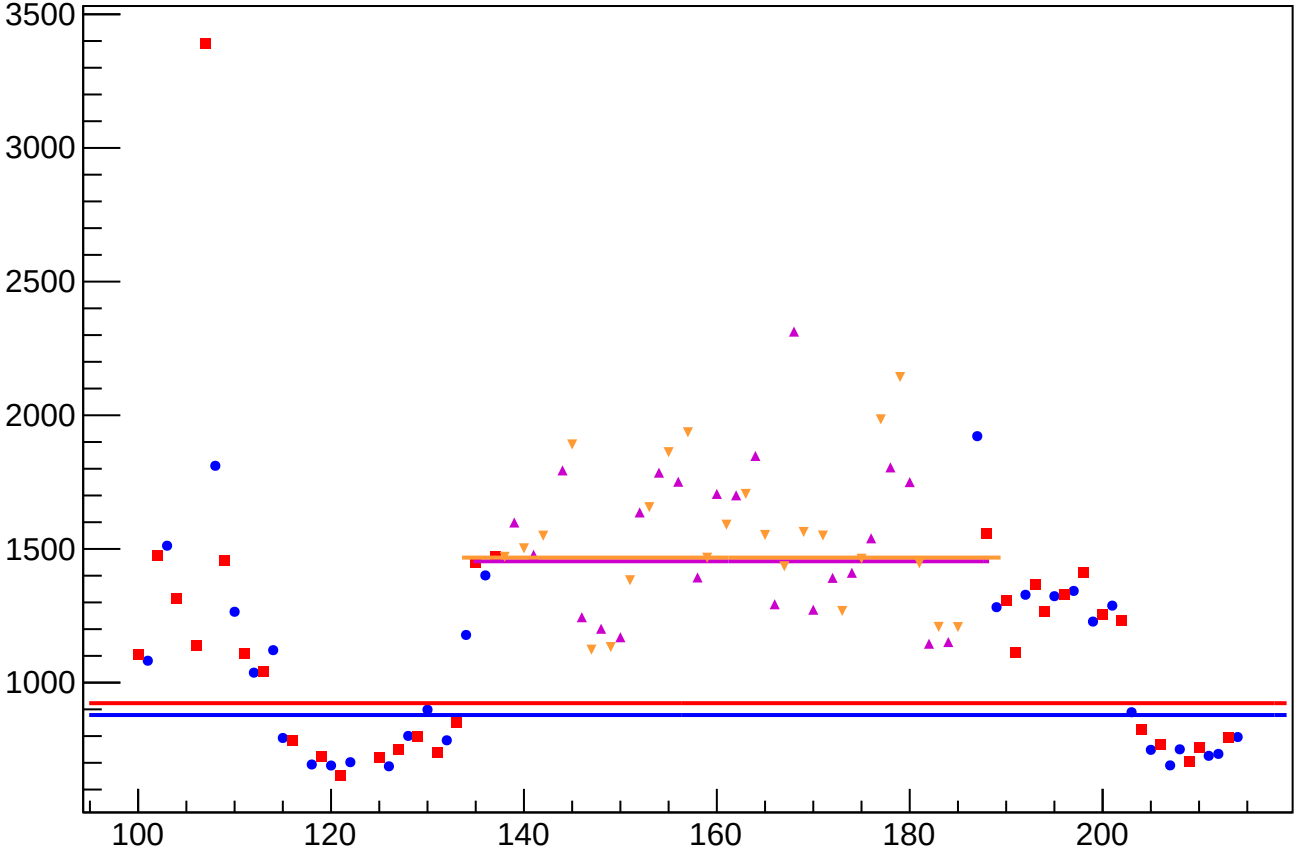
In: 1099.976+/-0.129 χ^2/NDF:96971.6/52

Out: 1104.133+/-0.128 χ^2/NDF:374452.4/56

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


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -716.712+/-215.365 χ²/NDF: 35.2/29
Left Out: -843.280+/-347.538 χ²/NDF:44.0/23
Right Out: 1019.806+/-225.889 χ²/NDF: 103.7/31
Left In: 31.387+/-346.155 χ²/NDF:13.1/22
Left: -404.203+/-245.256 χ²/NDF: 60.3/46
Right: 110.155+/-155.874 χ²/NDF: 169.9/61
In: -507.944+/-182.862 χ²/NDF:51.7/52
Out: 466.485+/-189.398 χ²/NDF:167.9/55
All: -37.833+/-131.553 χ²/NDF: 233.3/108

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left: 1460.738+/-0.173 χ^2/NDF: 2171472.5/46

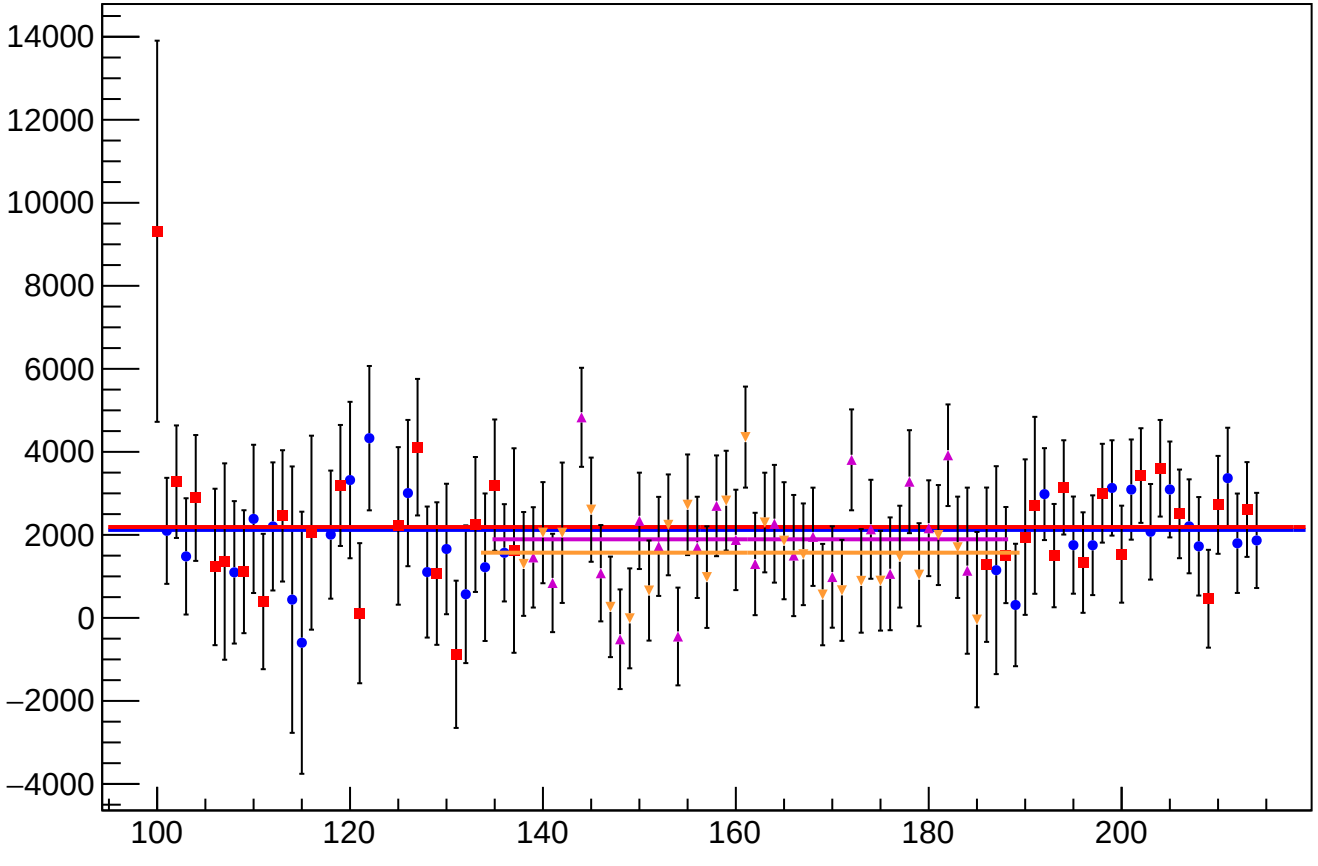
Right: 899.863+/-0.110 χ^2/NDF: 5538548.9/61

In: 1039.247+/-0.129 χ^2/NDF:7642259.1/52

Out: 1084.822+/-0.134 χ^2/NDF:7458172.9/55

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

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left: 1731.072+/-182.032 χ^2/NDF: 40.3/46

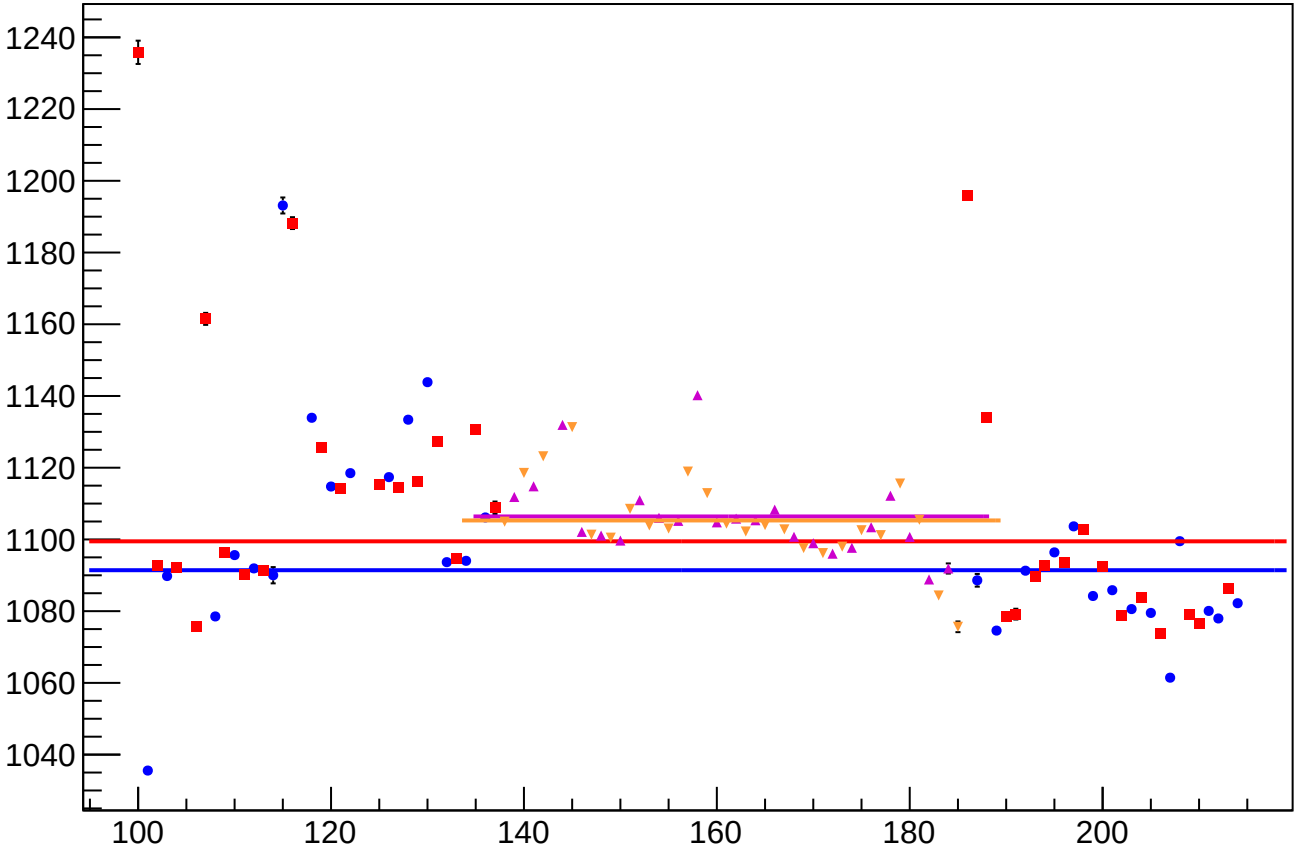
Right: 2154.836+/-179.491 χ^2/NDF: 32.5/62

In: 2008.112+/-181.429 χ^2/NDF:36.1/52

Out: 1884.677+/-180.076 χ^2/NDF:39.2/56

All: 1945.933+/-127.809 χ^2/NDF: 75.5/109

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

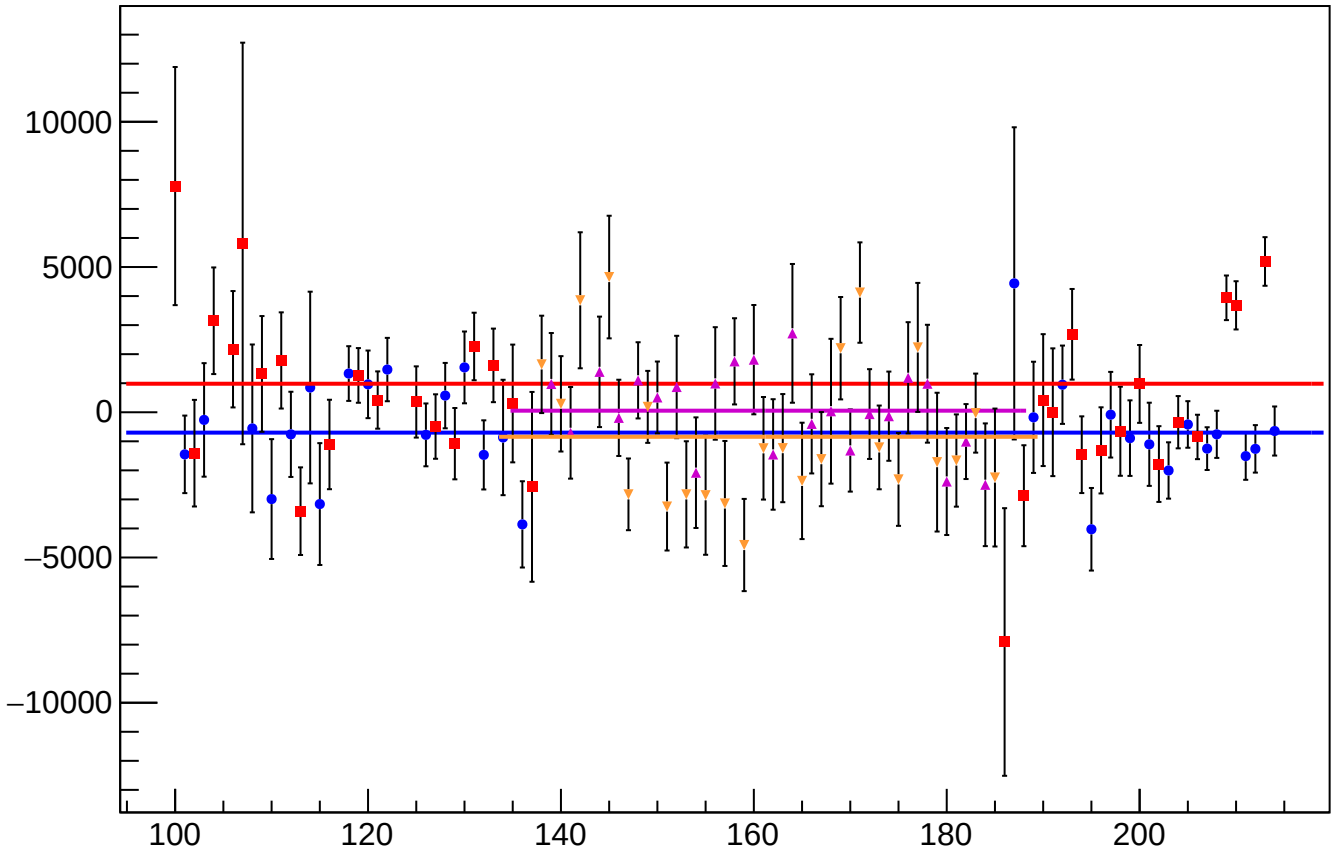
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1095.478+/-0.127 χ^2/NDF: 37714.1/62

In: 1098.811+/-0.128 χ^2/NDF:22991.0/52

Out: 1102.341+/-0.127 χ^2/NDF:24587.9/56

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



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

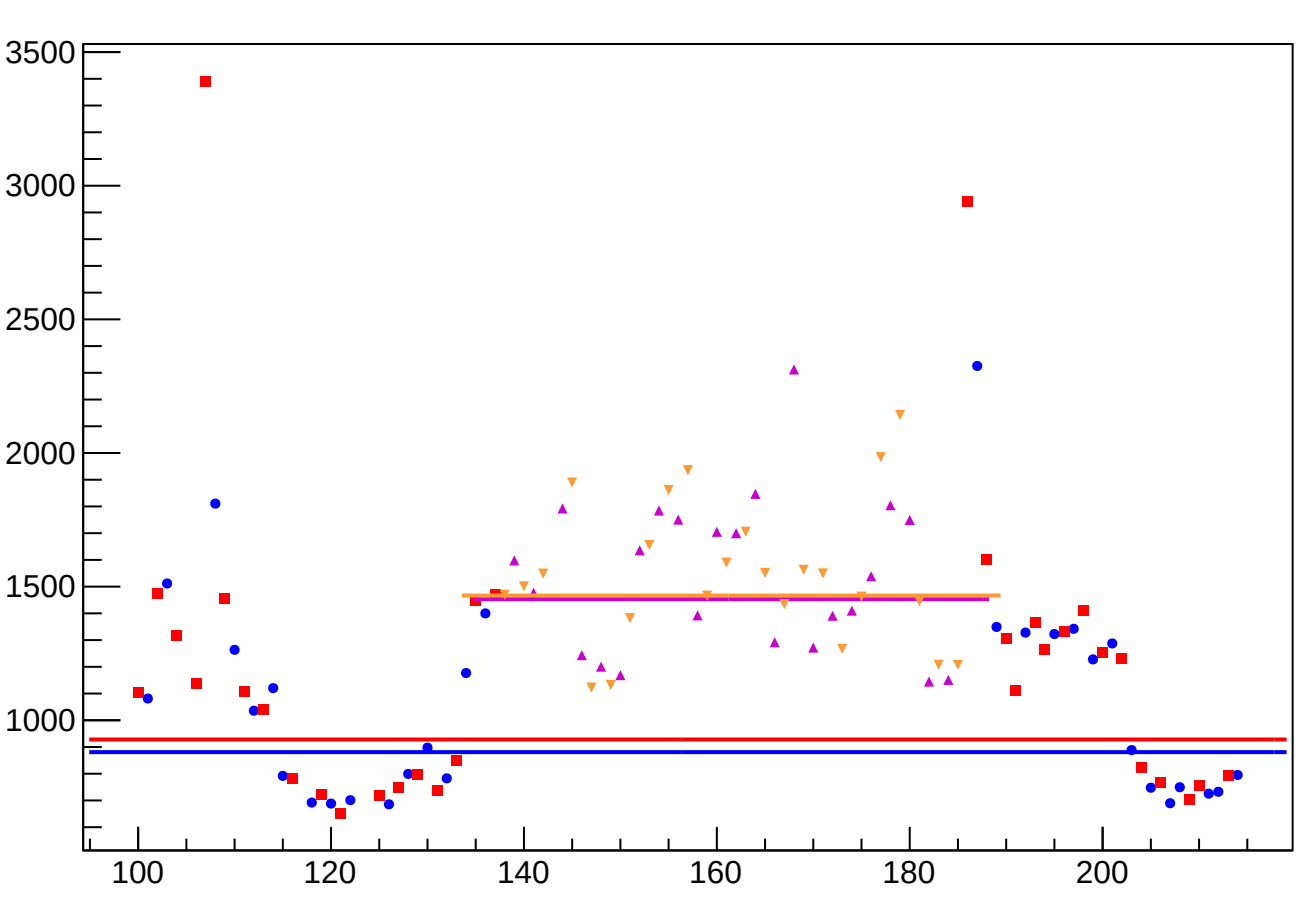
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 100.901+/-155.485 χ^2/NDF: 170.3/62

In: -490.784+/-182.543 χ^2/NDF:52.1/52

Out: 441.318+/-188.993 χ^2/NDF:169.1/56

All: -40.911+/-131.298 χ^2/NDF: 233.7/109



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

Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

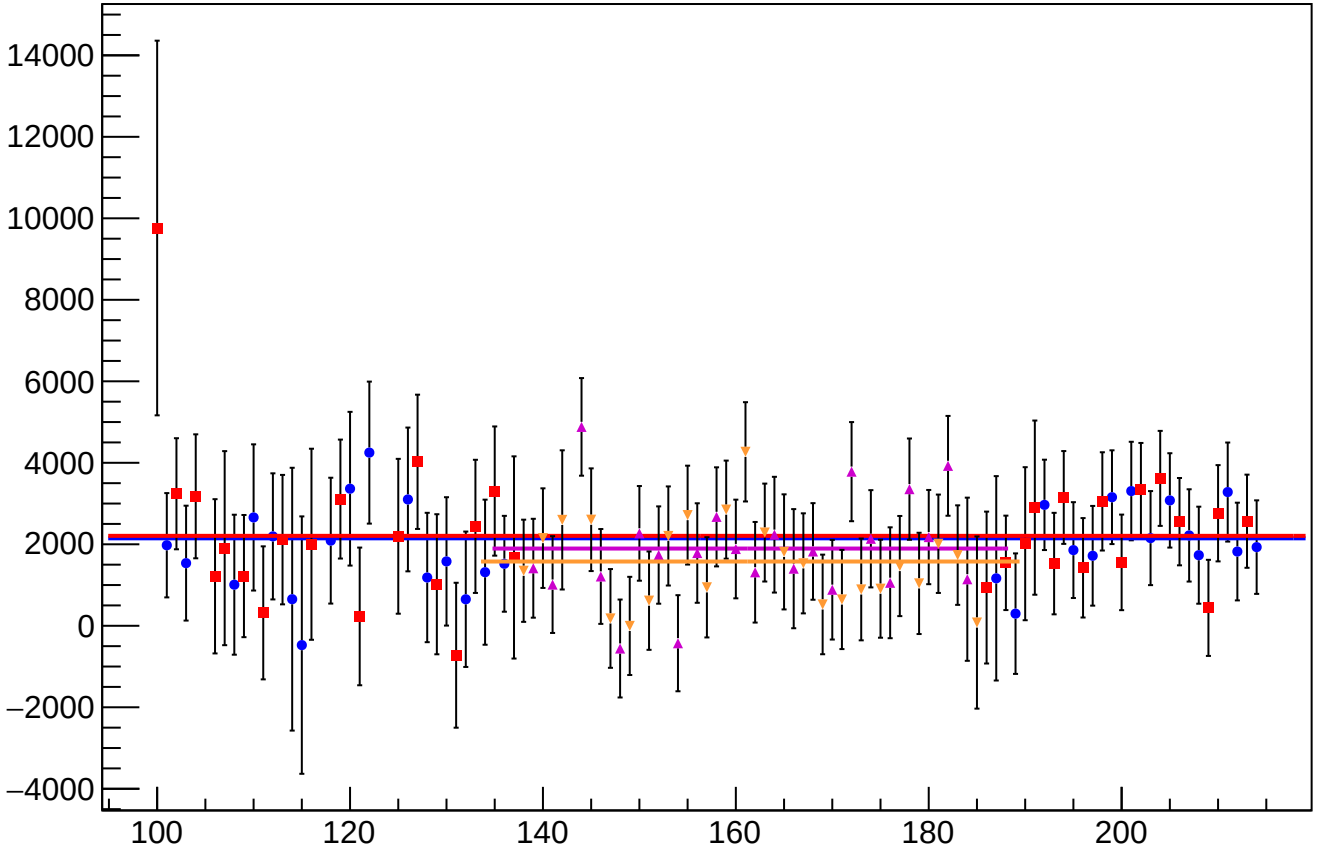
Right: 903.357+/-0.110 χ^2/NDF: 6167198.8/62

In: 1040.105+/-0.129 χ^2/NDF:7789619.1/52

Out: 1087.617+/-0.134 χ^2/NDF:7838349.5/56

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

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left: 1735.397+/-182.343 χ^2/NDF: 40.4/46

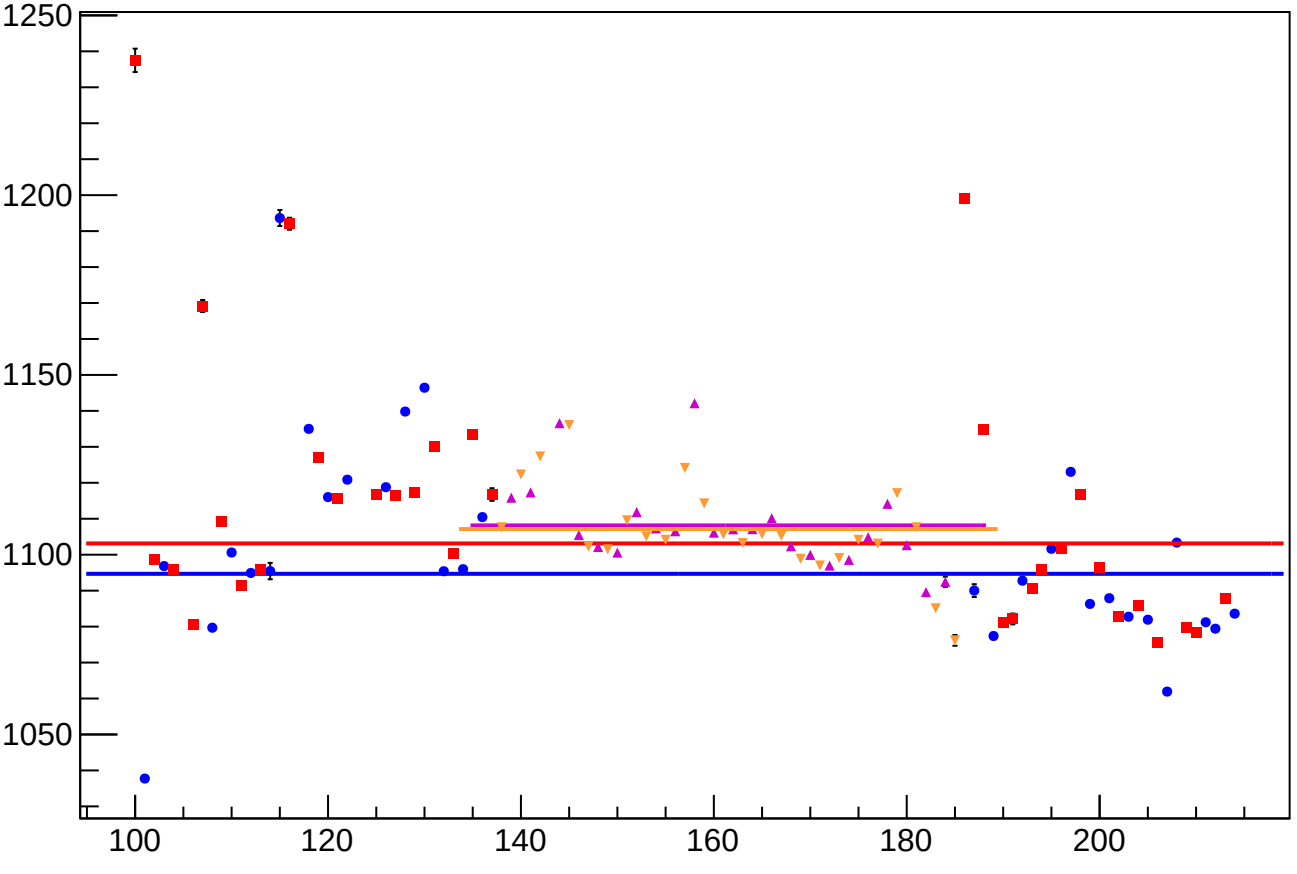
Right: 2177.084+/-180.080 χ^2/NDF: 32.2/62

In: 2022.464+/-181.853 χ^2/NDF:36.1/52

Out: 1896.437+/-180.556 χ^2/NDF:39.3/56

All: 1958.999+/-128.128 χ^2/NDF: 75.6/109

dit_asym_usl_rms vs Slug, Sign Corrected



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

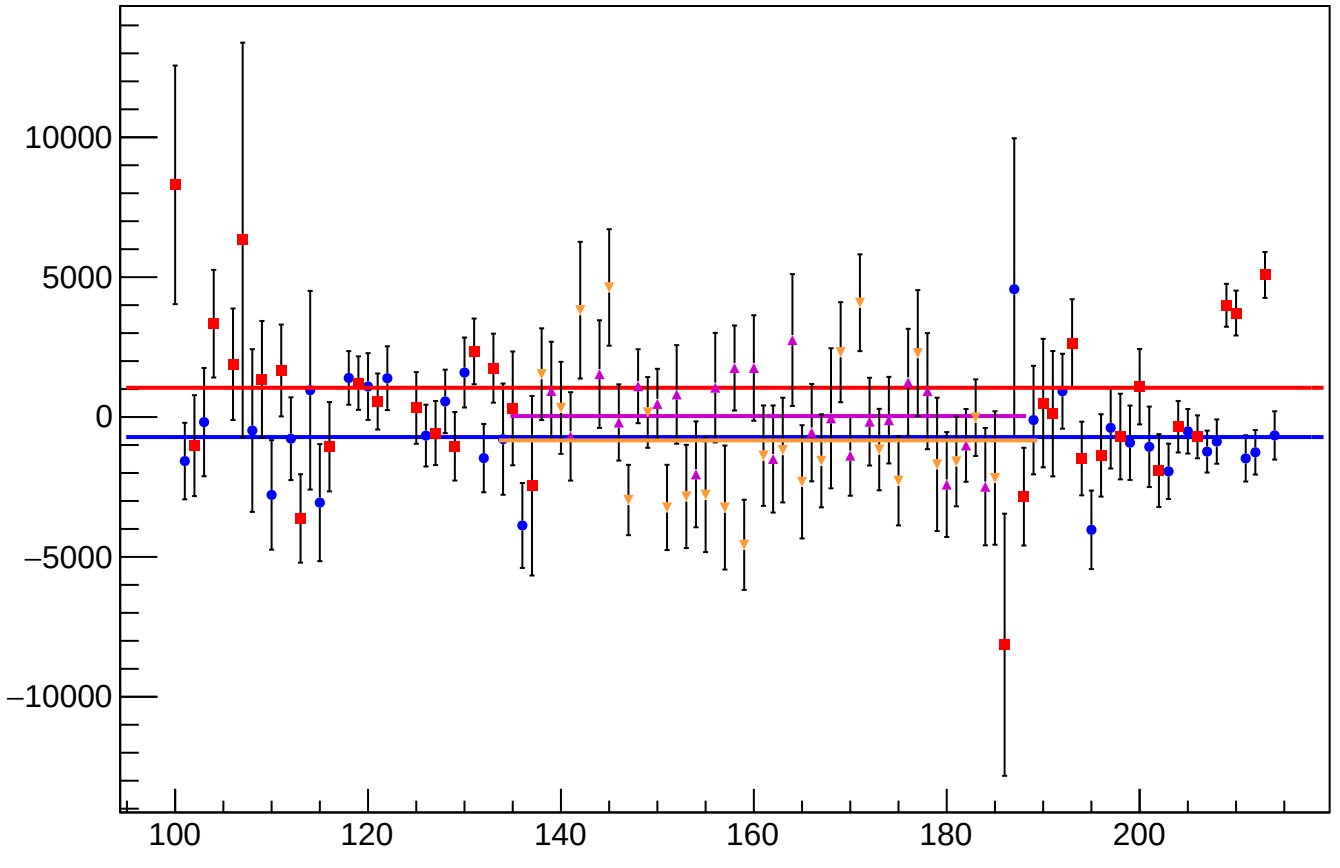
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1098.940+/-0.127 χ^2/NDF: 39588.3/62

In: 1101.334+/-0.129 χ^2/NDF:24202.9/52

Out: 1105.103+/-0.128 χ^2/NDF:25243.5/56

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



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

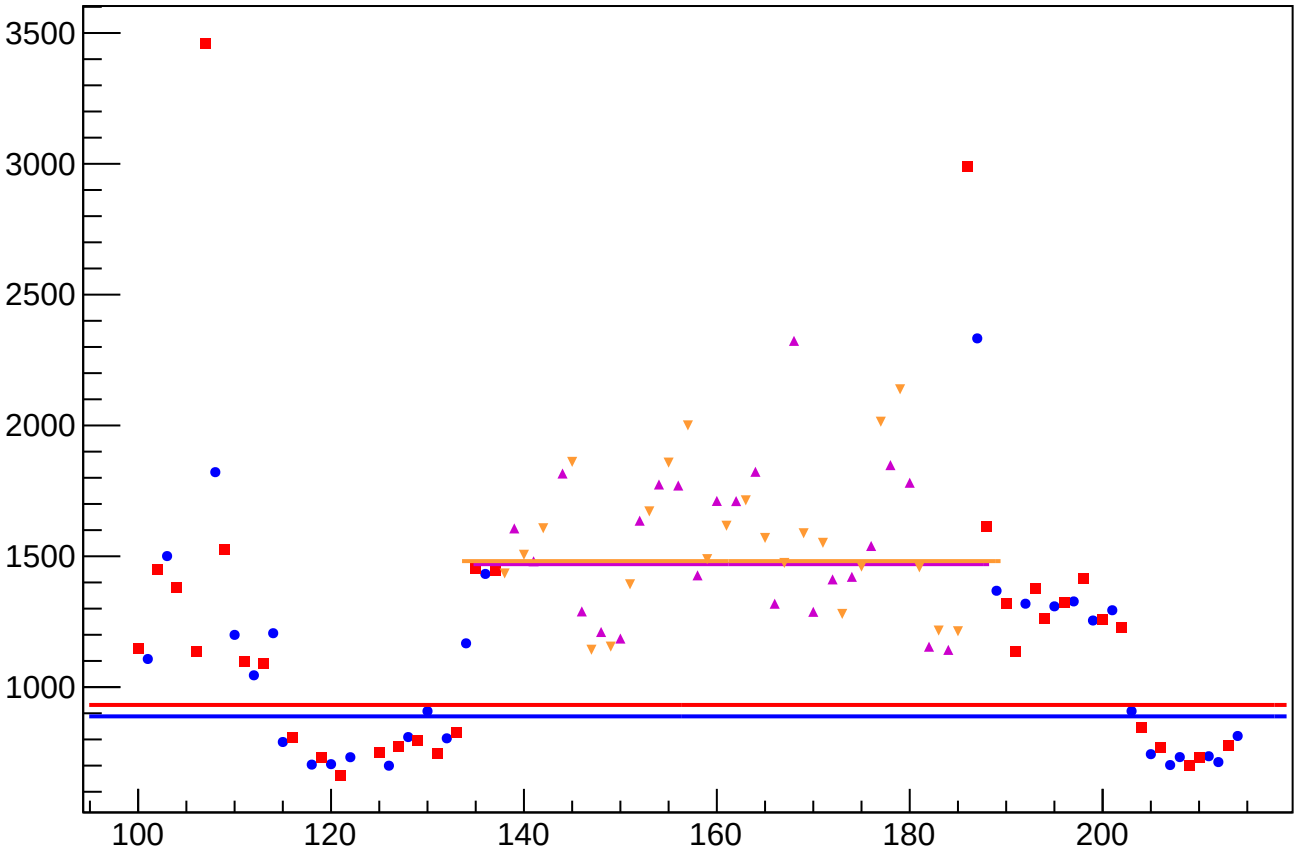
Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

Right: 126.231+/-156.374 χ^2/NDF: 172.4/62

In: -507.786+/-184.021 χ^2/NDF:51.2/52

Out: 493.241+/-190.071 χ^2/NDF:169.9/56

All: -23.457+/-132.210 χ^2/NDF: 235.4/109



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

Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

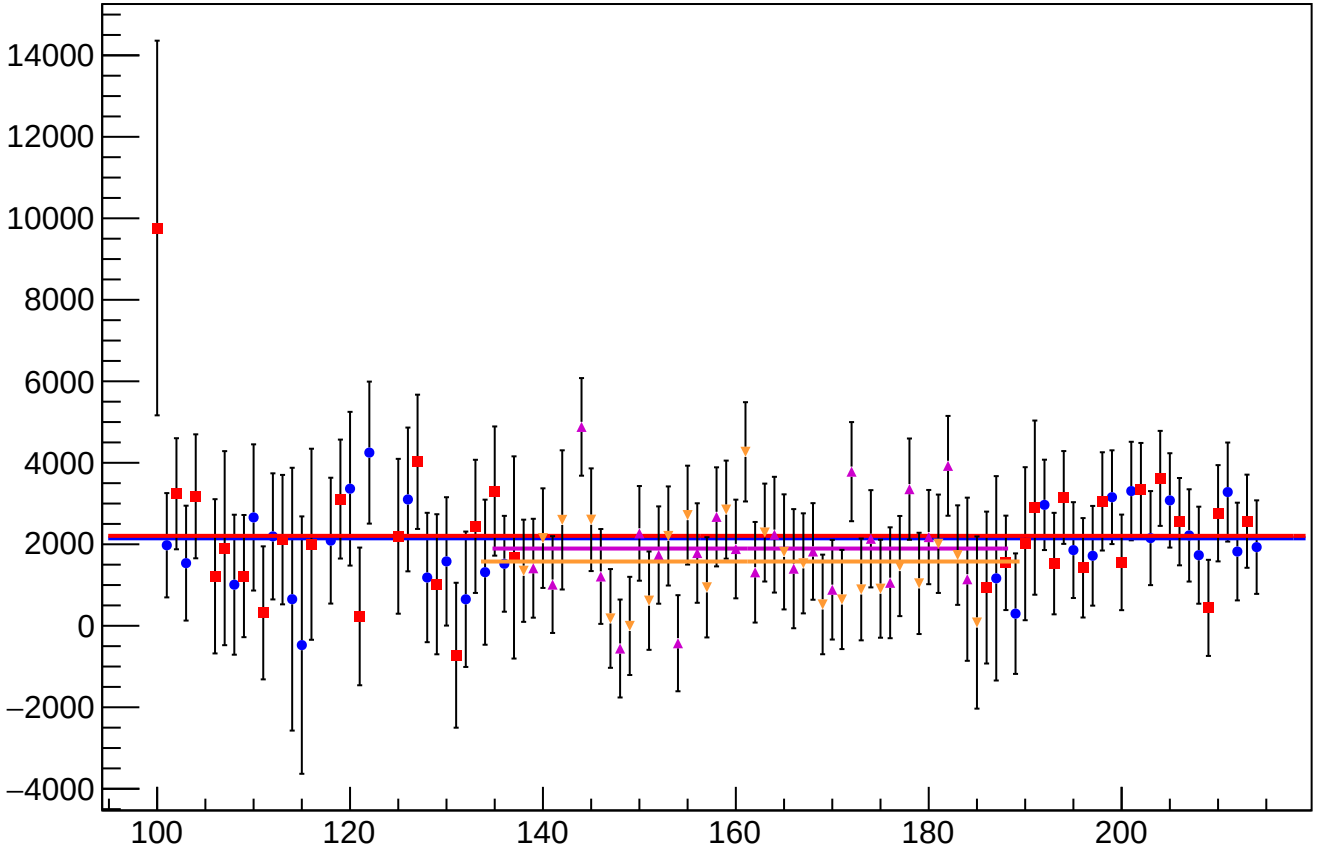
Right: 909.055+/-0.111 χ^2/NDF: 6168556.9/62

In: 1049.340+/-0.130 χ^2/NDF:7774872.5/52

Out: 1093.385+/-0.134 χ^2/NDF:7941343.0/56

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

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



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

Left: 1735.396+/-182.343 χ^2/NDF: 40.4/46

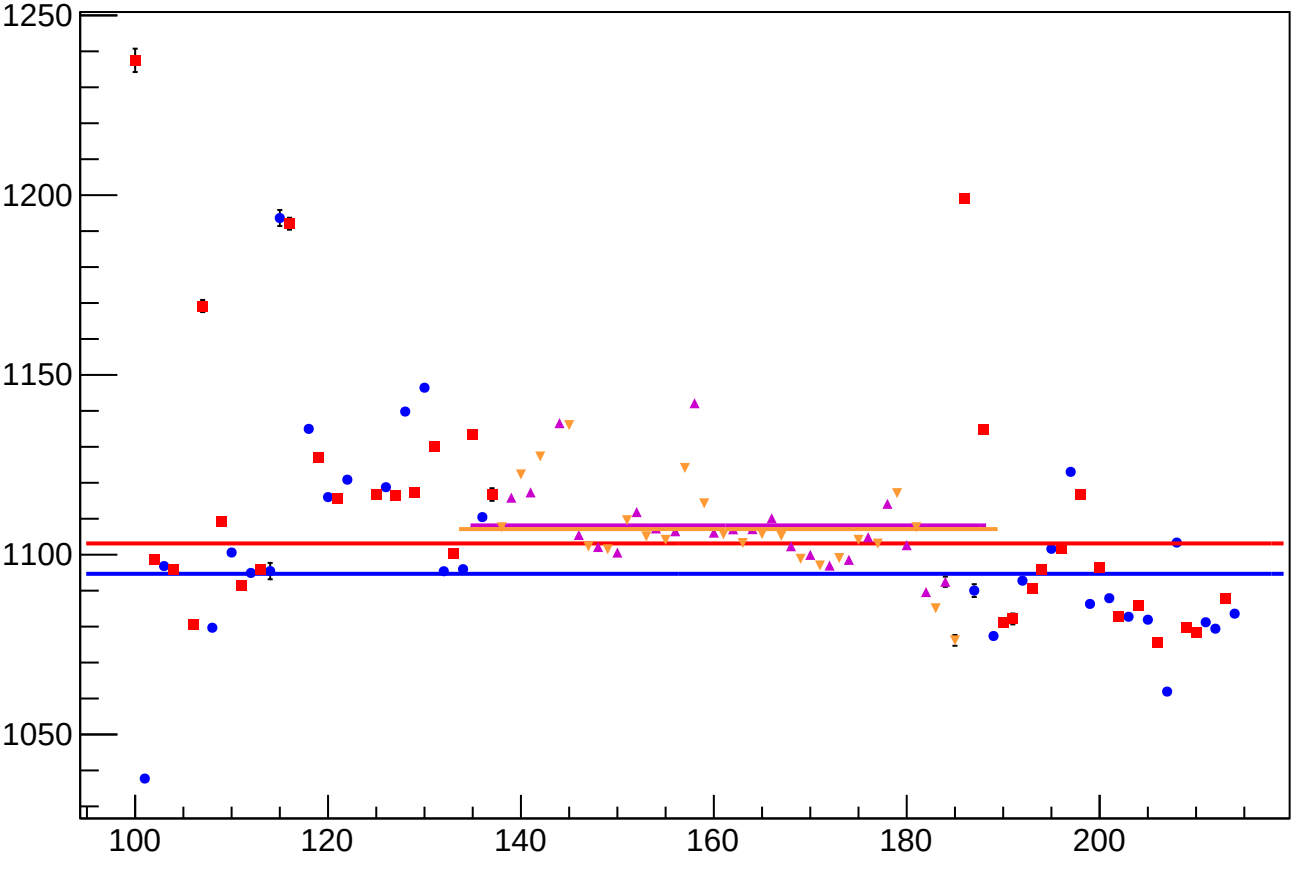
Right: 2177.083+/-180.080 χ^2/NDF: 32.2/62

In: 2022.464+/-181.853 χ^2/NDF:36.1/52

Out: 1896.434+/-180.556 χ^2/NDF:39.3/56

All: 1958.998+/-128.128 χ^2/NDF: 75.6/109

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

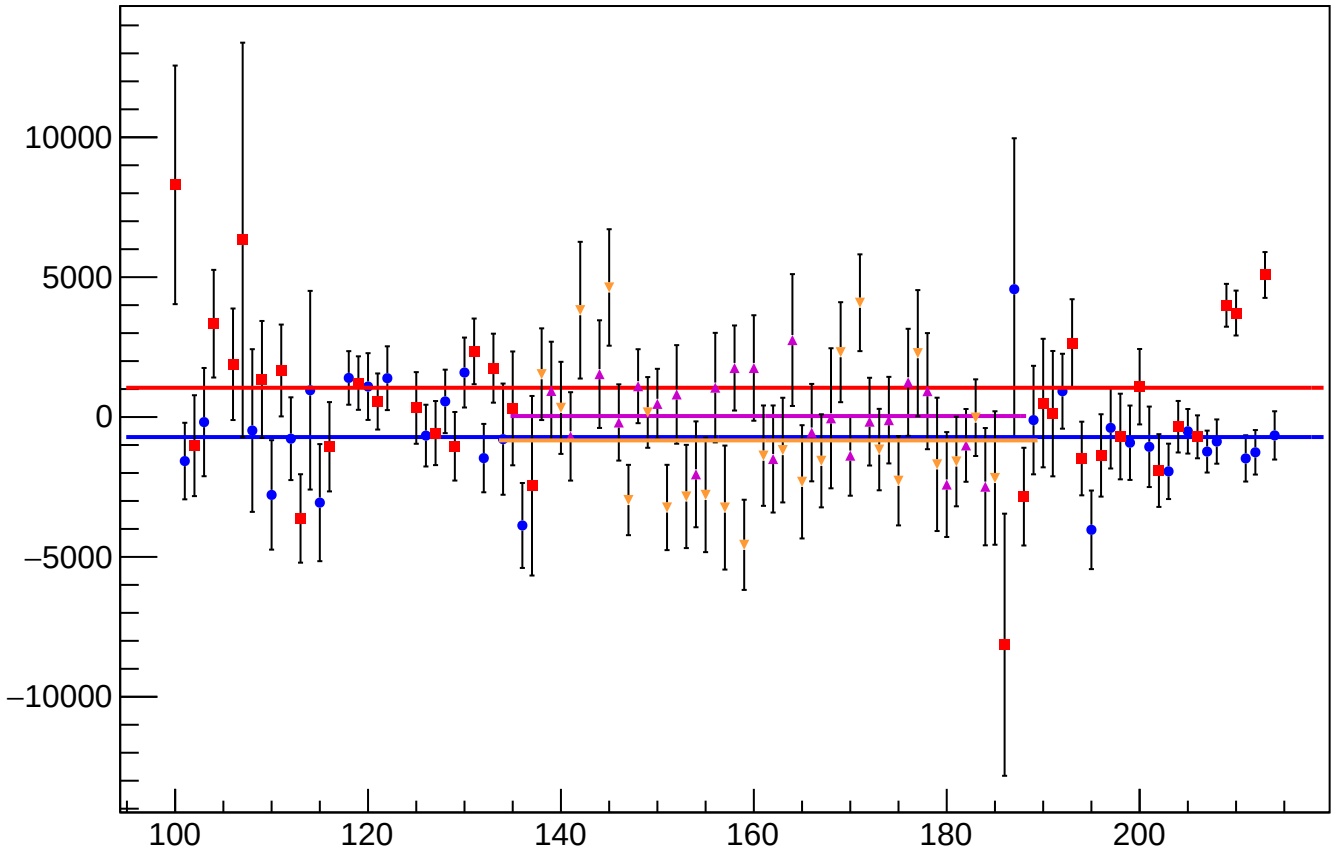
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1098.940+/-0.127 χ^2/NDF: 39588.2/62

In: 1101.334+/-0.129 χ^2/NDF:24202.9/52

Out: 1105.103+/-0.128 χ^2/NDF:25243.4/56

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



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

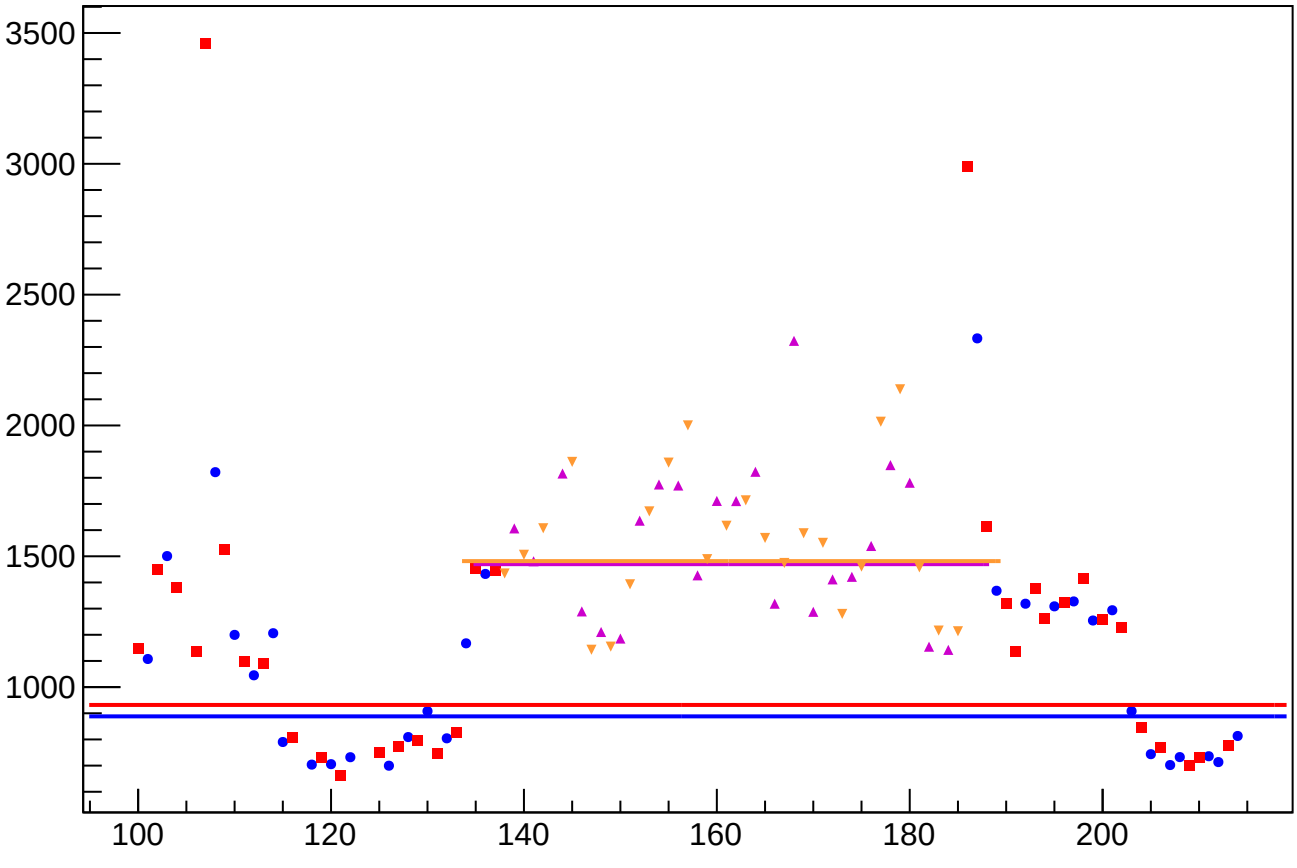
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 126.231+/-156.373 χ^2/NDF: 172.4/62

In: -507.784+/-184.021 χ^2/NDF:51.2/52

Out: 493.240+/-190.071 χ^2/NDF:169.9/56

All: -23.457+/-132.210 χ^2/NDF: 235.4/109



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

Left: 1475.710+/-0.175 χ^2/NDF: 2113619.5/46

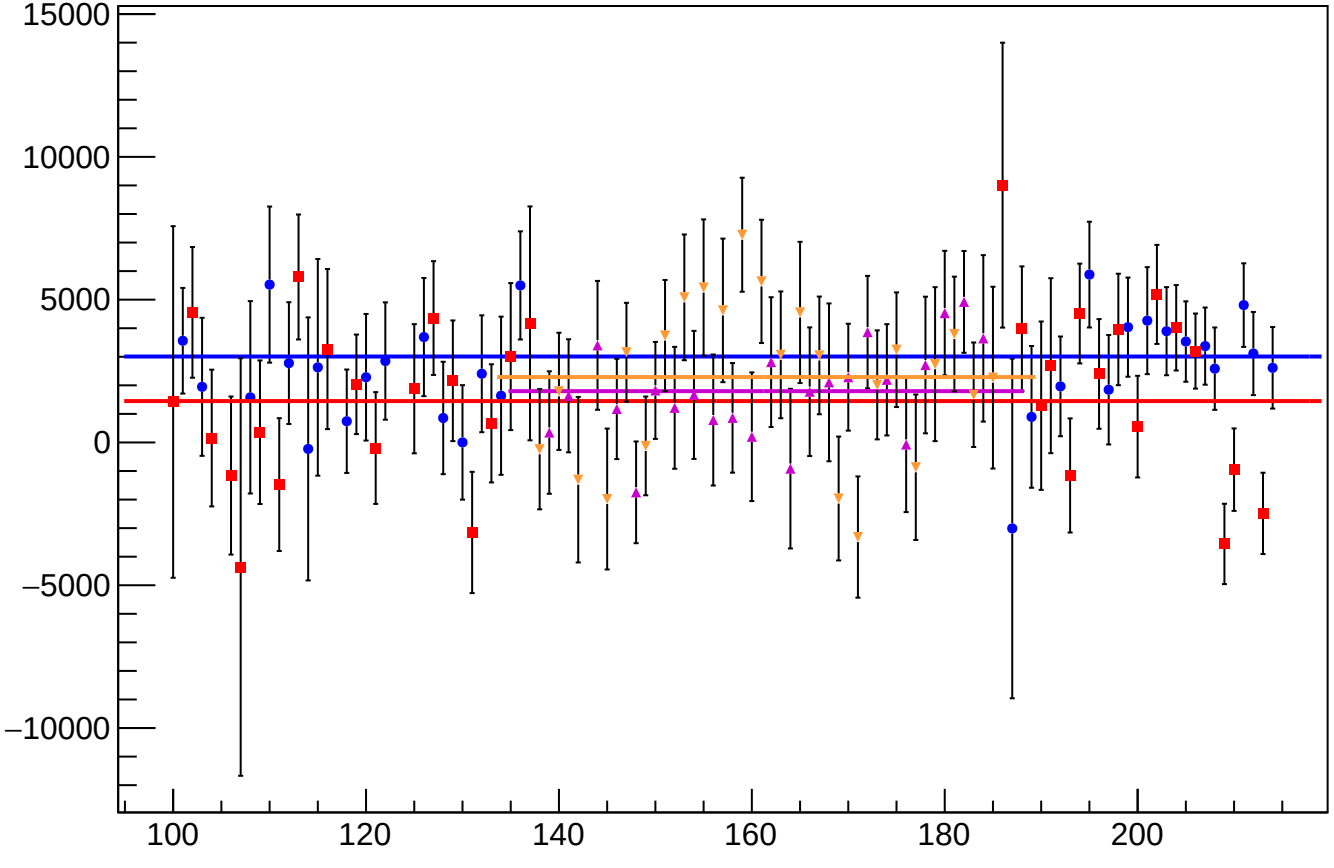
Right: 909.054+/-0.111 χ^2/NDF: 6168560.5/62

In: 1049.340+/-0.130 χ^2/NDF:7774894.0/52

Out: 1093.385+/-0.134 χ^2/NDF:7941365.2/56

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

asym_usl_mean vs Slug, Sign Corrected



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

Left: 2042.900+/-310.586 χ^2/NDF: 50.9/46

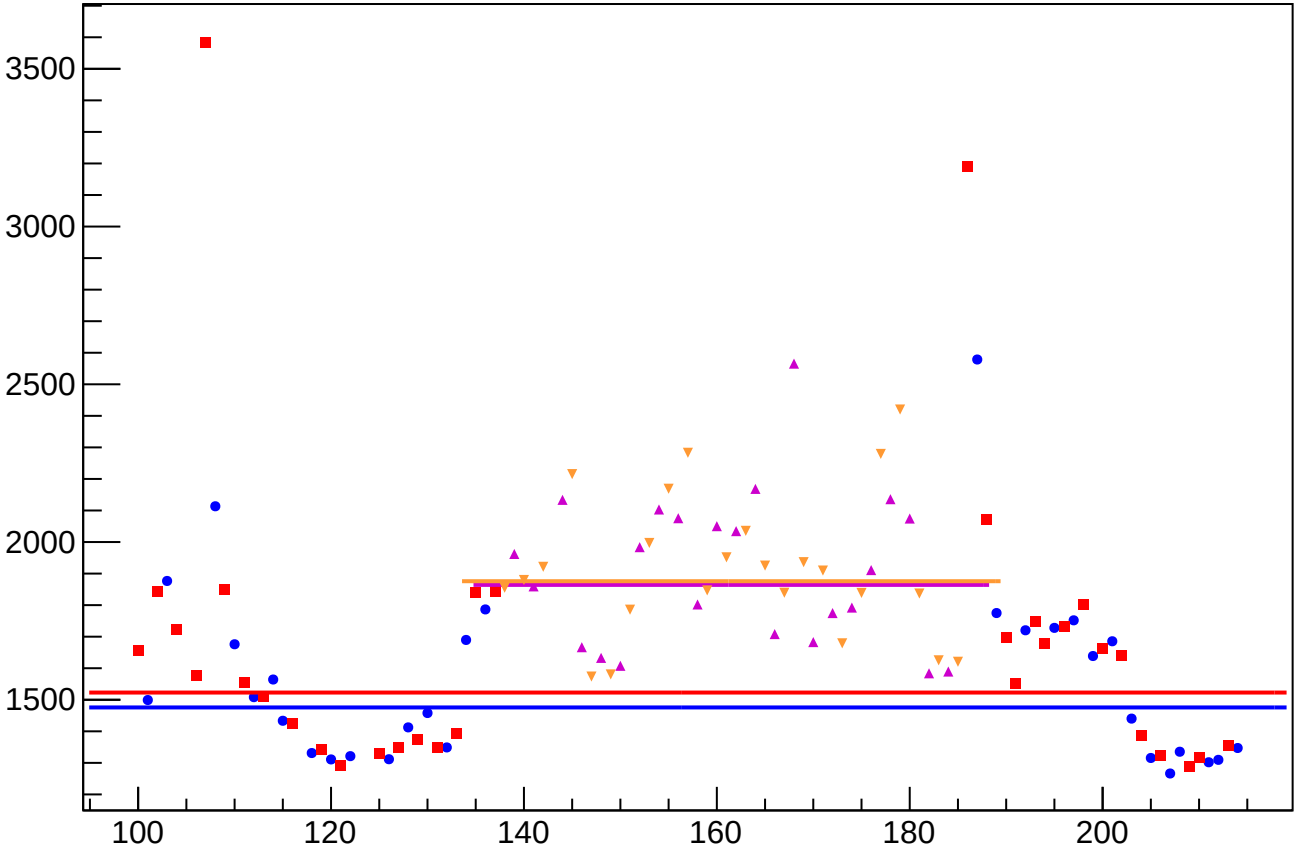
Right: 2246.426+/-249.028 χ^2/NDF: 88.5/62

In: 2540.917+/-272.915 χ^2/NDF:36.0/52

Out: 1782.334+/-276.652 χ^2/NDF:99.9/56

All: 2166.784+/-194.288 χ^2/NDF: 139.7/109

asym_usl_rms vs Slug, Sign Corrected



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

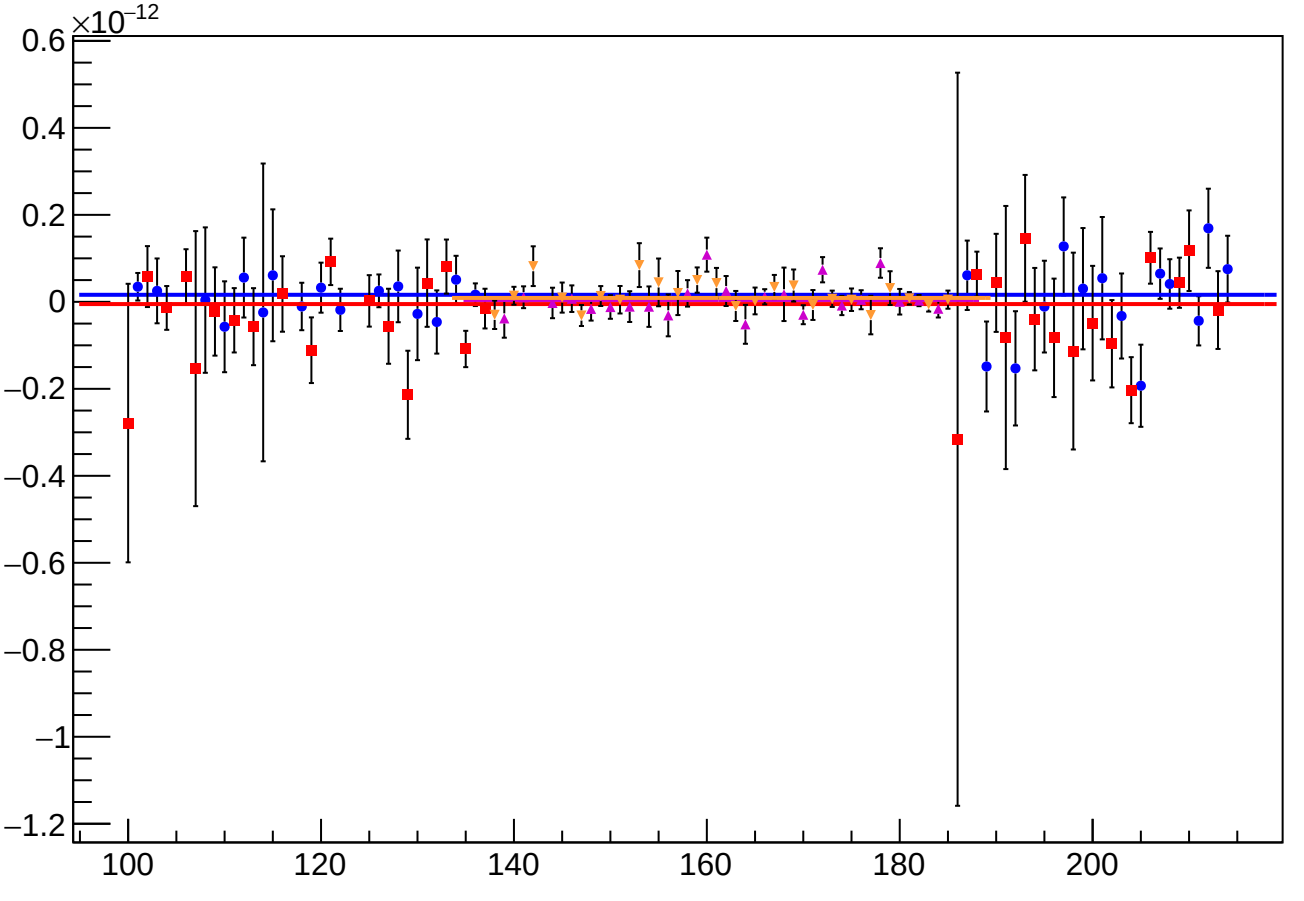
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1498.775+/-0.176 χ^2/NDF: 1777365.3/62

In: 1625.728+/-0.193 χ^2/NDF:2156763.9/52

Out: 1662.849+/-0.196 χ^2/NDF:2325227.8/56

All: 1644.036+/-0.137 χ^2/NDF: 4500240.0/10



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

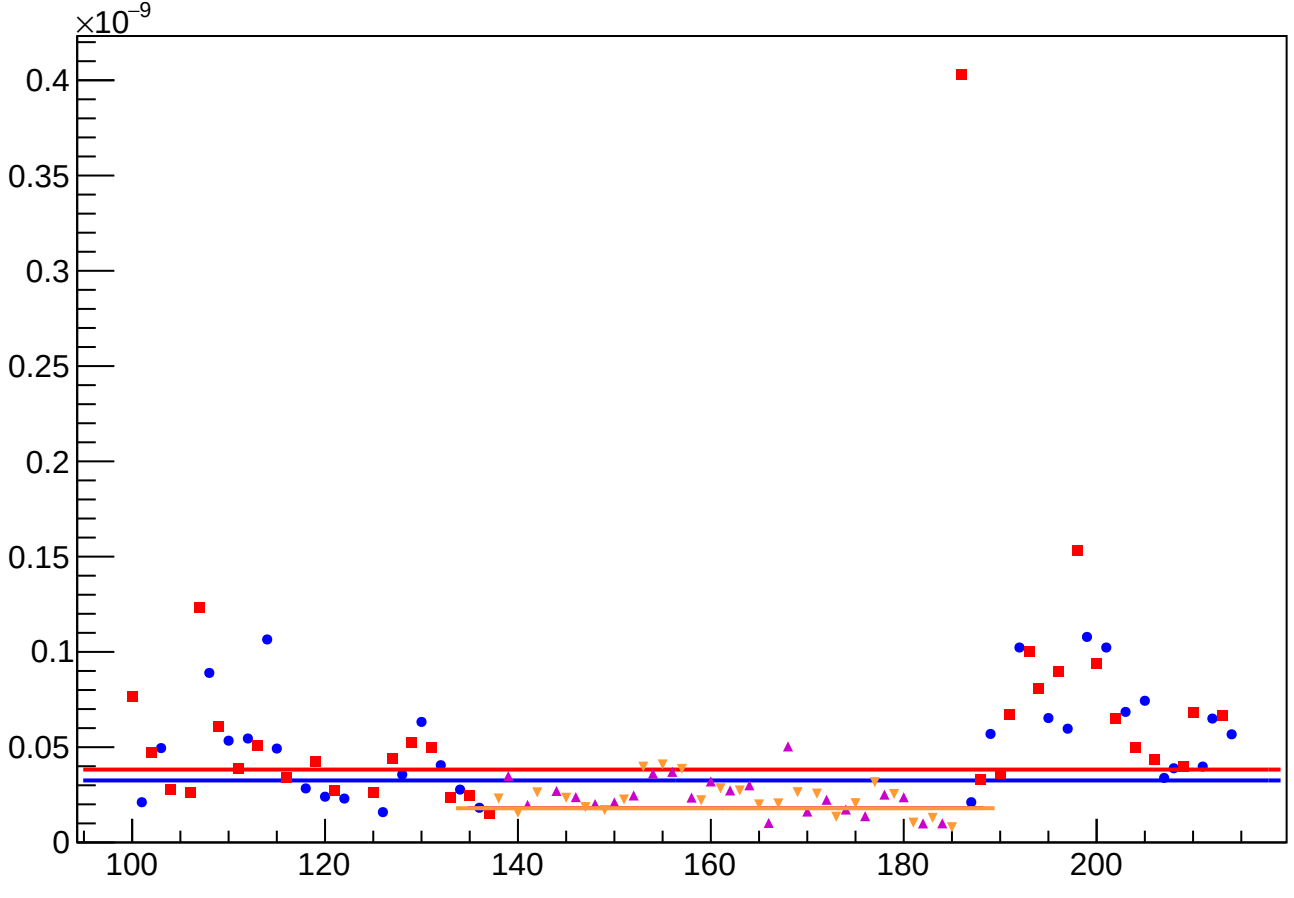
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 60.1/62

In: 0.000+/-0.000 χ^2/NDF:48.6/52

Out: 0.000+/-0.000 χ^2/NDF:56.5/56

All: 0.000+/-0.000 χ^2/NDF: 105.1/109



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

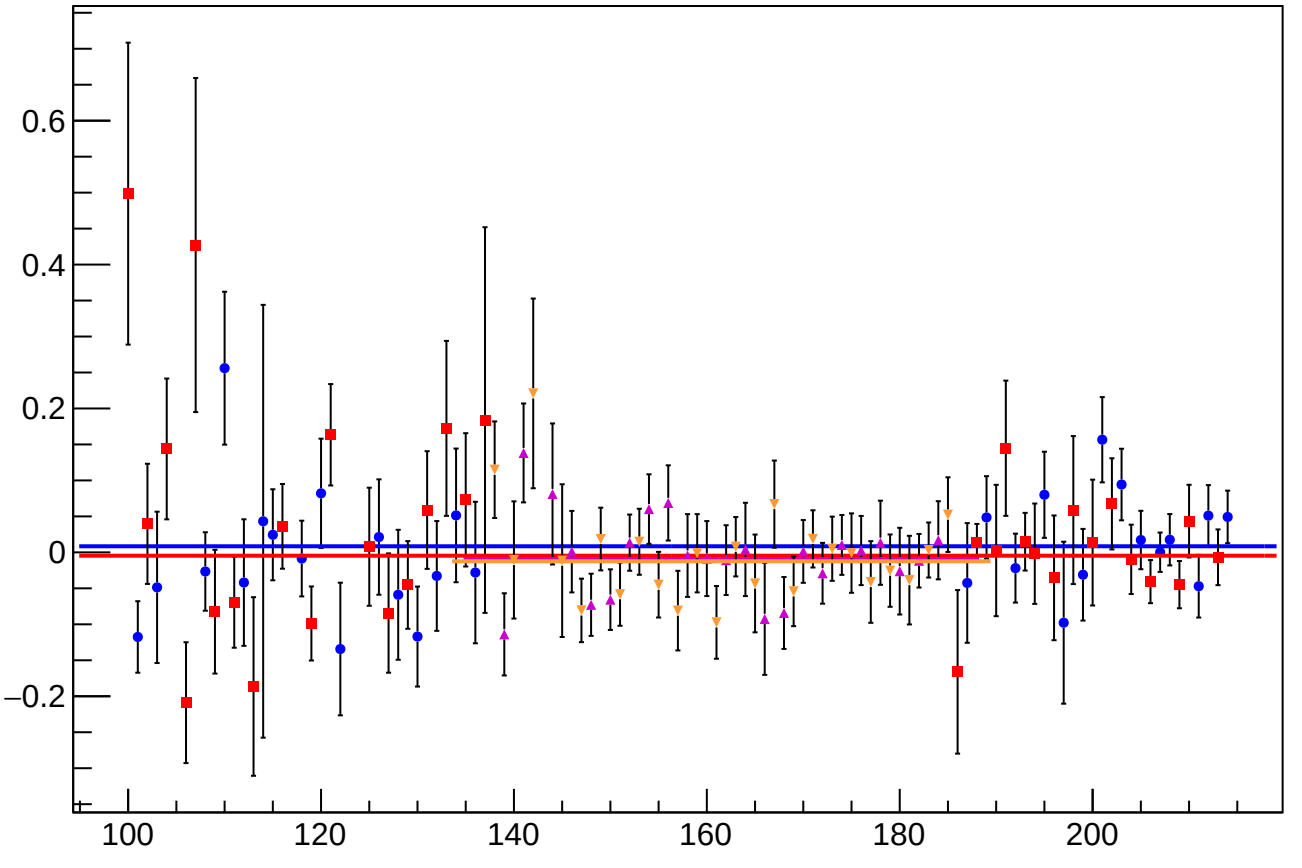
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10136180.9/62

In: 0.000+/-0.000 χ^2/NDF:12252348.7/52

Out: 0.000+/-0.000 χ^2/NDF:11896839.3/56

All: 0.000+/-0.000 χ^2/NDF: 24150235.0/109



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

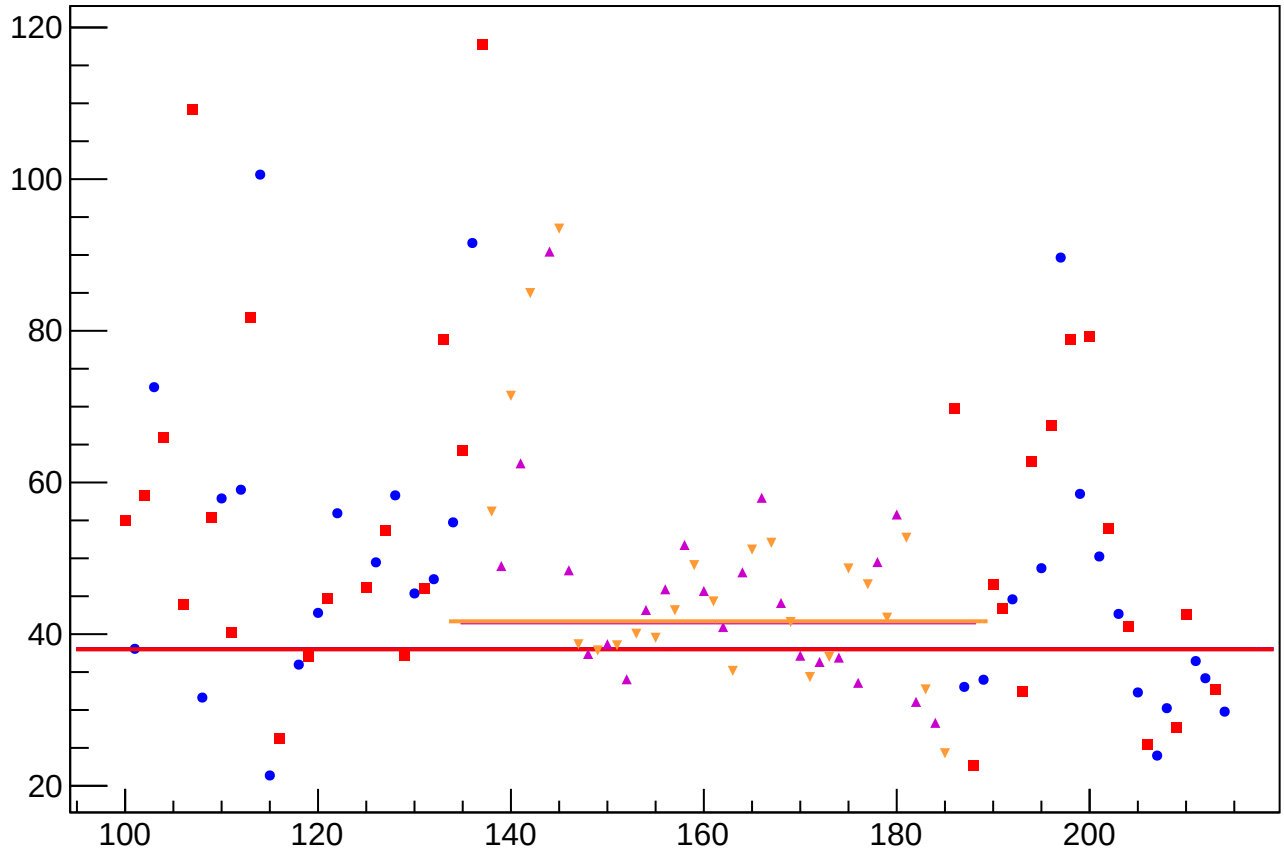
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.002+/-0.007 χ^2/NDF: 86.5/62

In: -0.000+/-0.007 χ^2/NDF:61.6/52

Out: -0.008+/-0.007 χ^2/NDF:69.7/56

All: -0.004+/-0.005 χ^2/NDF: 131.9/109



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

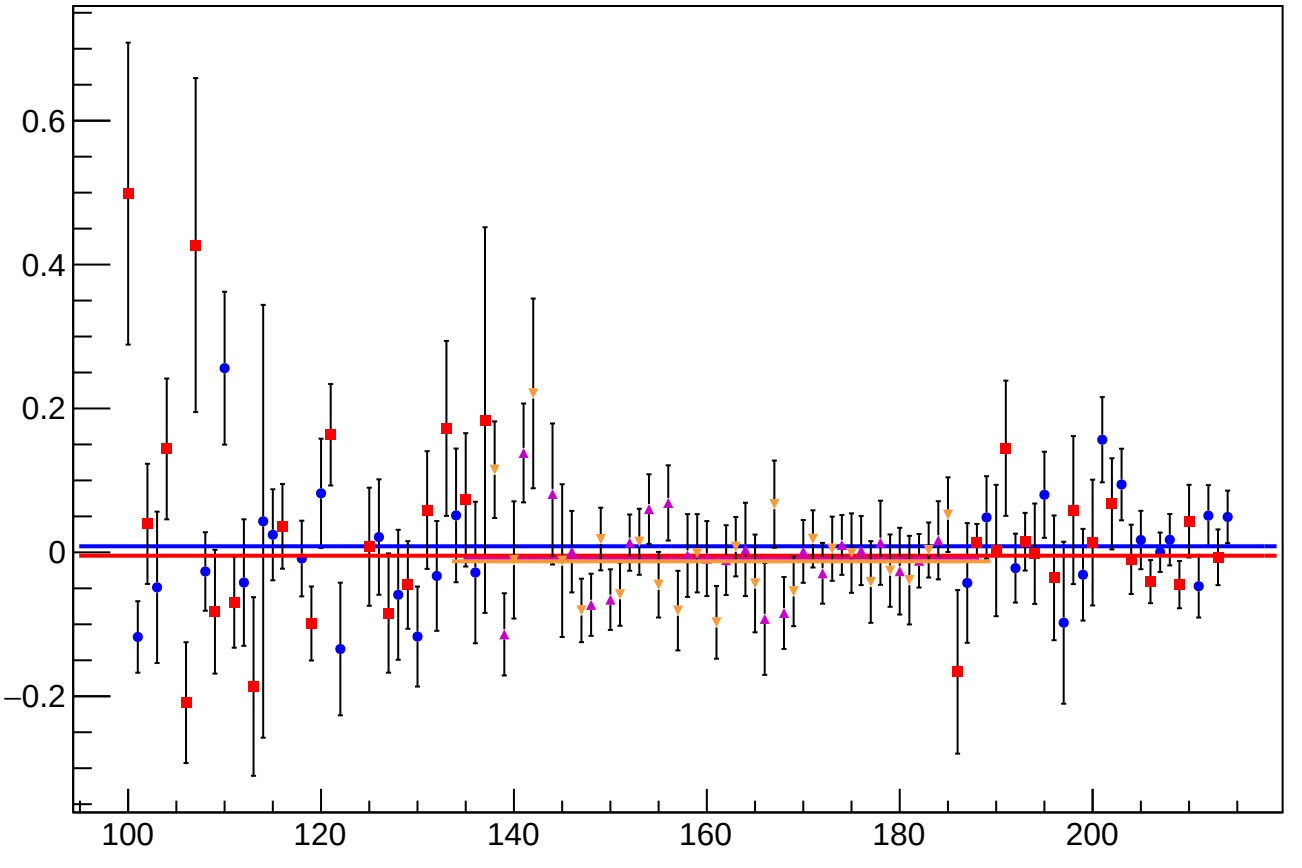
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 38.016+/-0.005 χ^2/NDF: 7686382.9/62

In: 39.743+/-0.005 χ^2/NDF:4948534.5/52

Out: 39.822+/-0.005 χ^2/NDF:6414122.7/56

All: 39.782+/-0.004 χ^2/NDF: 11362773.2/109



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

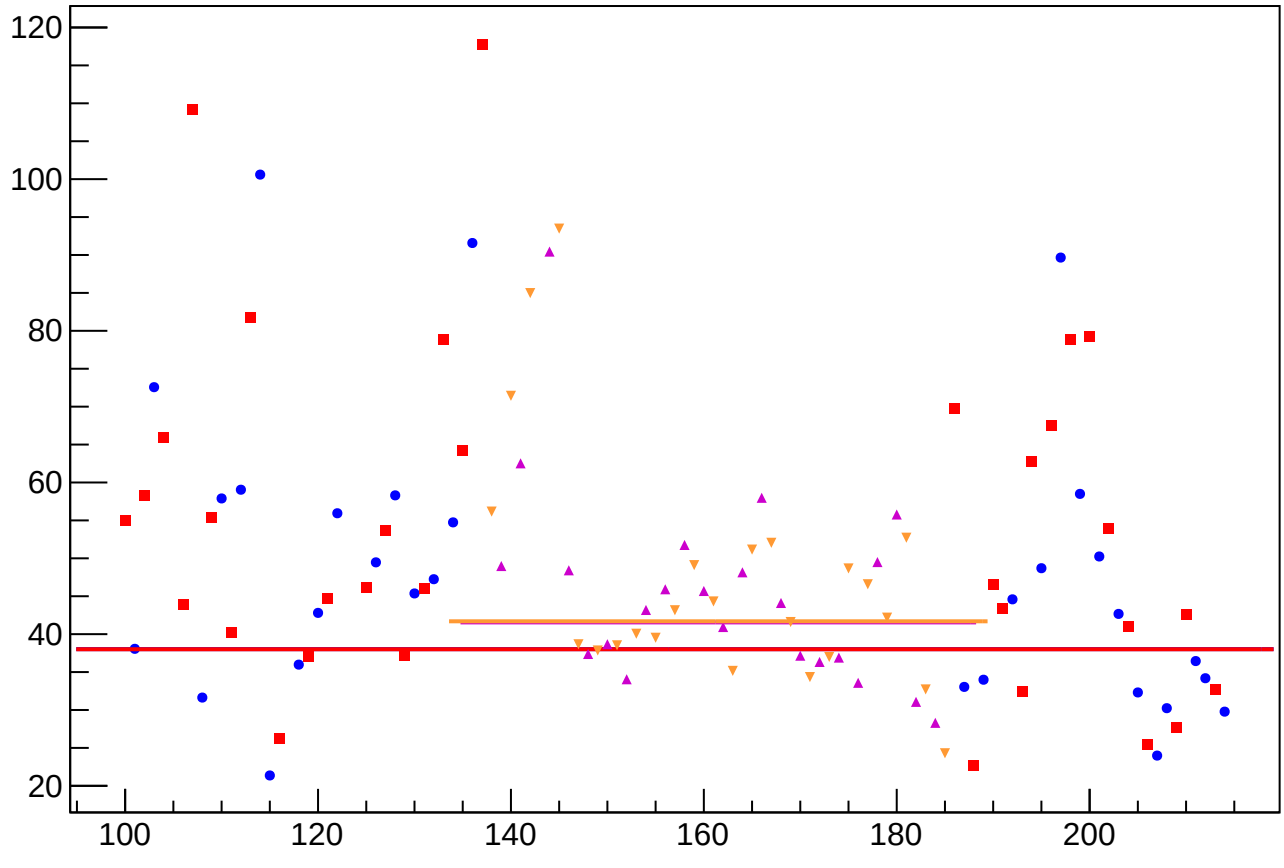
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.002+/-0.007 χ^2/NDF: 86.5/62

In: -0.000+/-0.007 χ^2/NDF:61.6/52

Out: -0.008+/-0.007 χ^2/NDF:69.7/56

All: -0.004+/-0.005 χ^2/NDF: 131.9/109



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

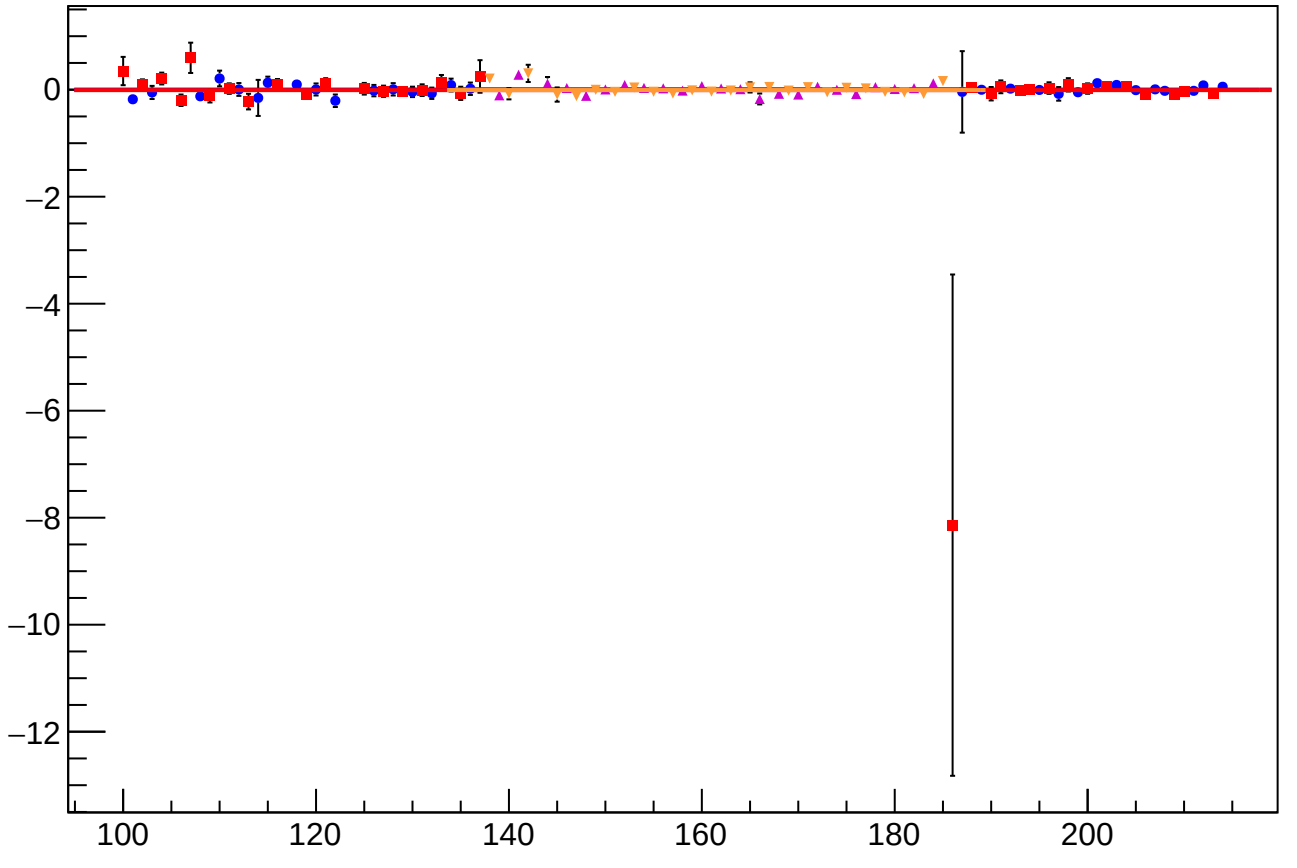
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 38.016+/-0.005 χ^2/NDF: 7686382.9/62

In: 39.743+/-0.005 χ^2/NDF:4948534.5/52

Out: 39.822+/-0.005 χ^2/NDF:6414122.7/56

All: 39.782+/-0.004 χ^2/NDF: 11362773.2/109



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

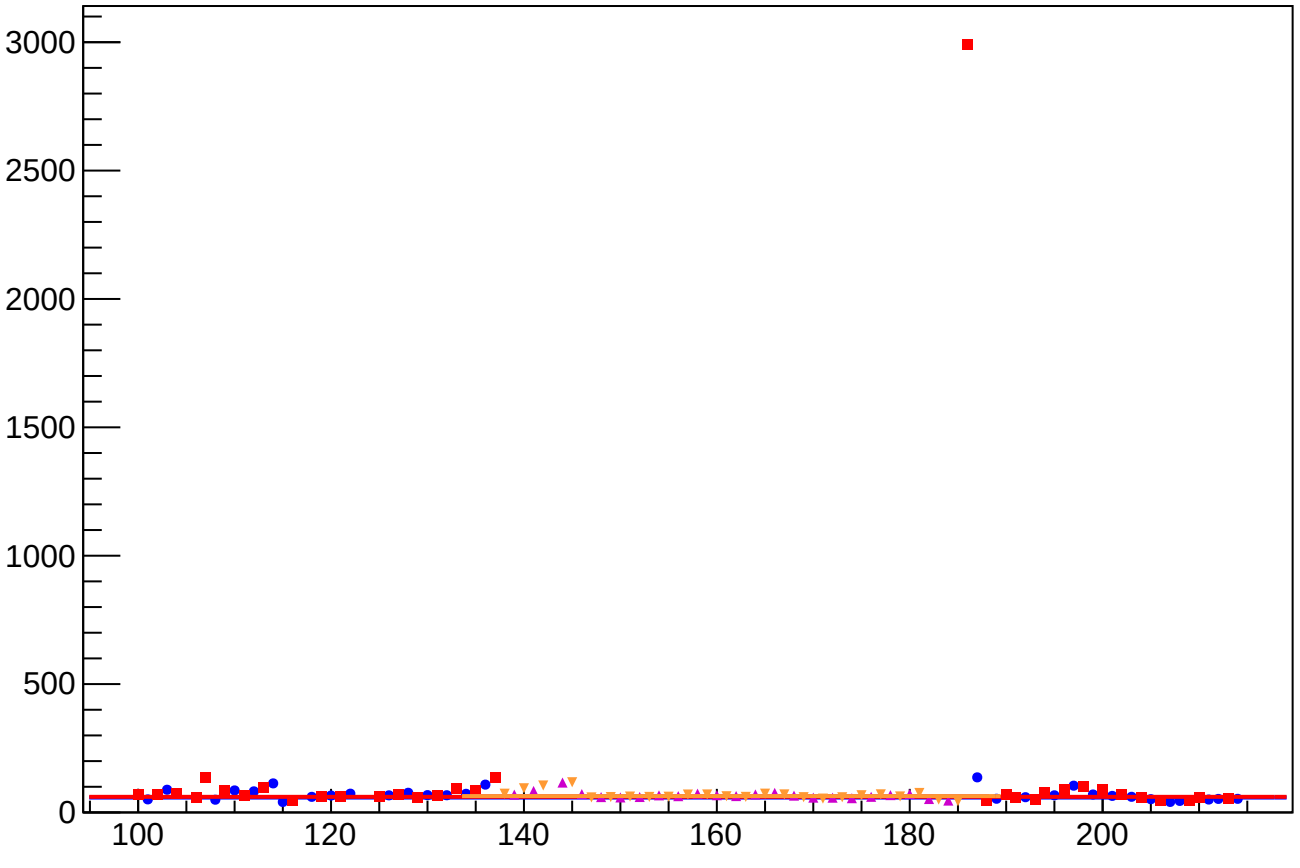
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.003+/-0.011 χ^2/NDF: 64.8/62

In: 0.004+/-0.011 χ^2/NDF:55.7/52

Out: -0.007+/-0.011 χ^2/NDF:60.8/56

All: -0.001+/-0.008 χ^2/NDF: 117.1/109



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

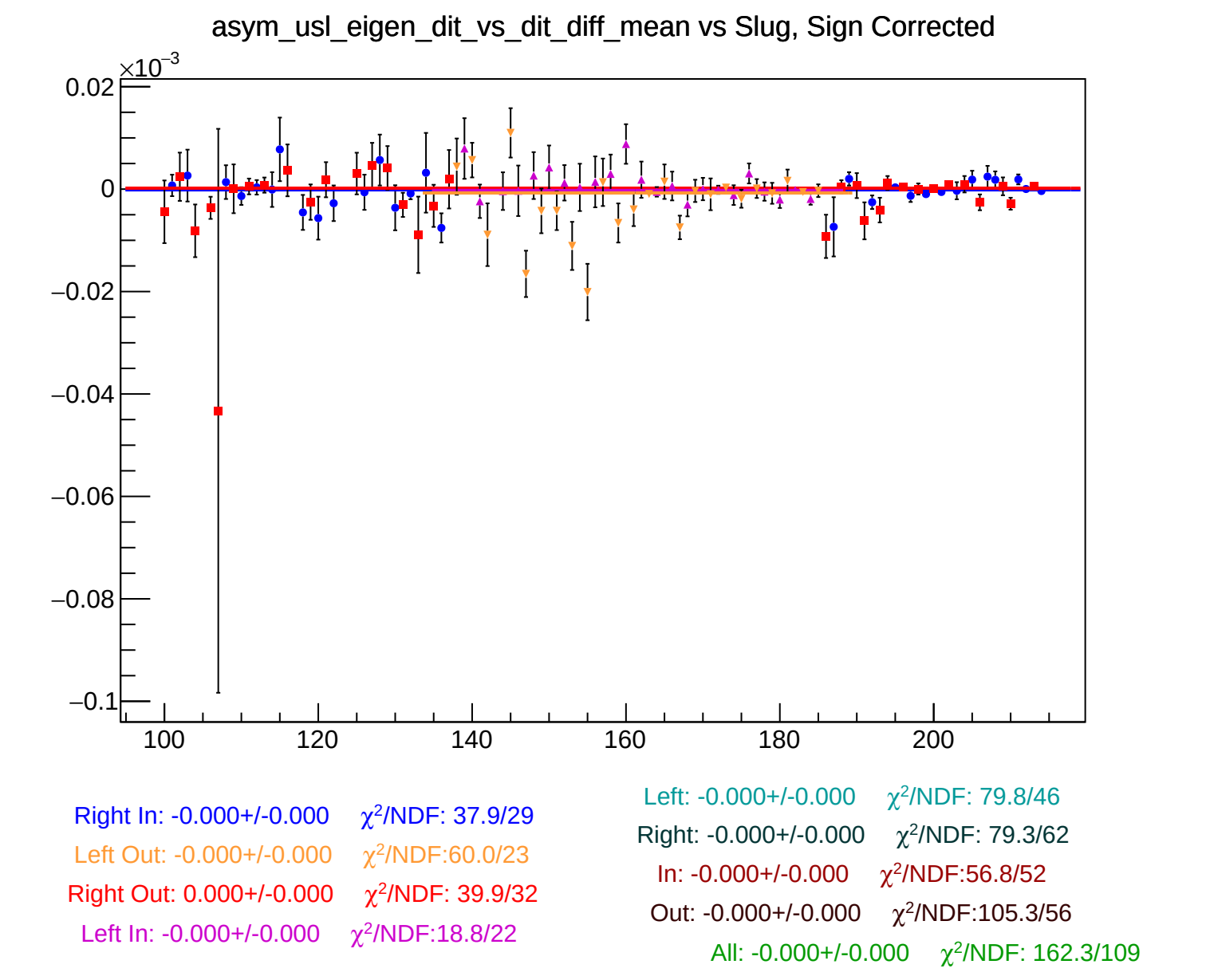
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

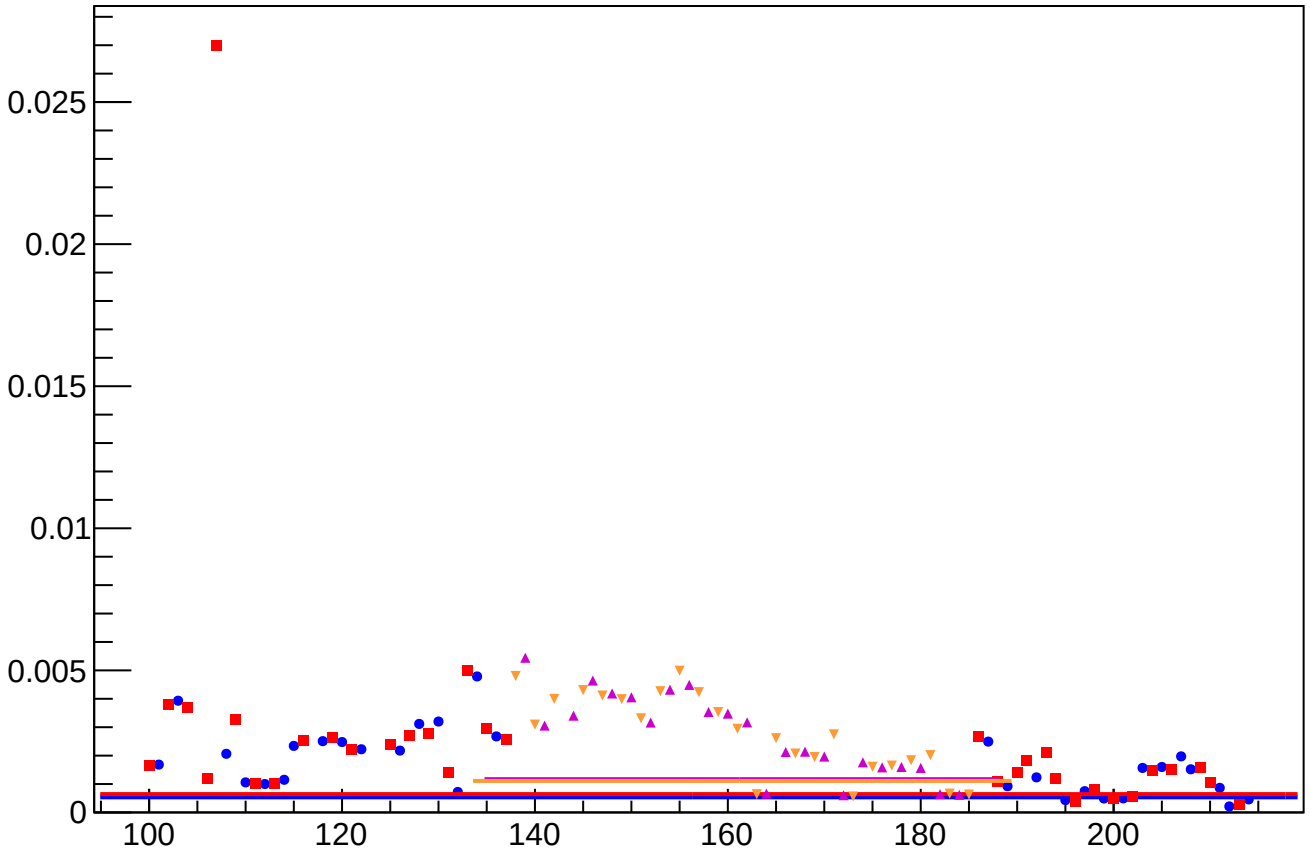
Right: 59.383+/-0.007 χ^2/NDF: 4640147.9/62

In: 60.880+/-0.008 χ^2/NDF:2856430.8/52

Out: 62.296+/-0.008 χ^2/NDF:3860983.9/56

All: 61.576+/-0.005 χ^2/NDF: 6734748.4/109


asym_usl_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 37.9/29
Left Out: -0.000+/-0.000 χ²/NDF:60.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 39.9/32
Left In: -0.000+/-0.000 χ²/NDF:18.8/22
Left: -0.000+/-0.000 χ²/NDF: 79.8/46
Right: -0.000+/-0.000 χ²/NDF: 79.3/62
In: -0.000+/-0.000 χ²/NDF:56.8/52
Out: -0.000+/-0.000 χ²/NDF:105.3/56
All: -0.000+/-0.000 χ²/NDF: 162.3/109



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

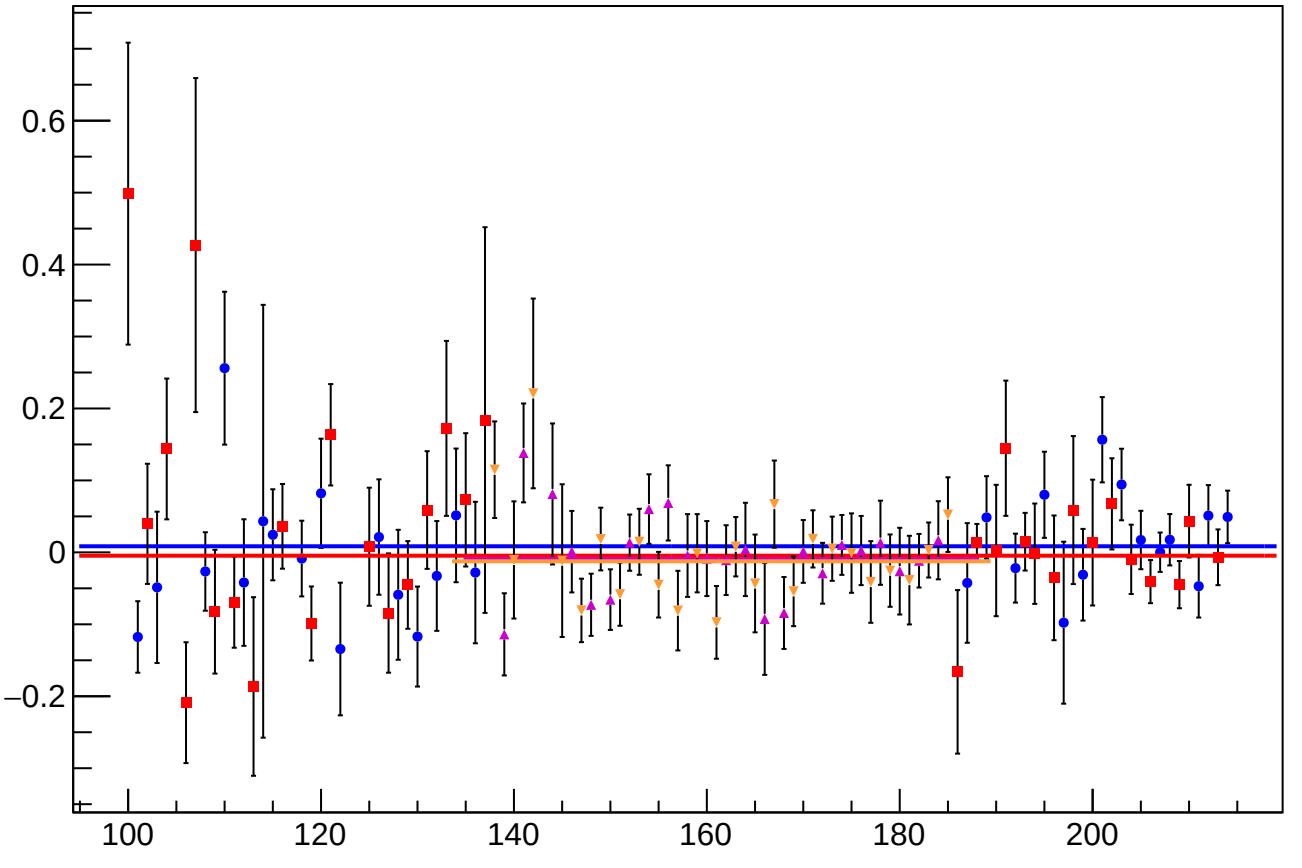
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 29824036.2/62

In: 0.001+/-0.000 χ^2/NDF:34273907.7/52

Out: 0.001+/-0.000 χ^2/NDF:32454359.8/56

All: 0.001+/-0.000 χ^2/NDF: 67226055.9/109



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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

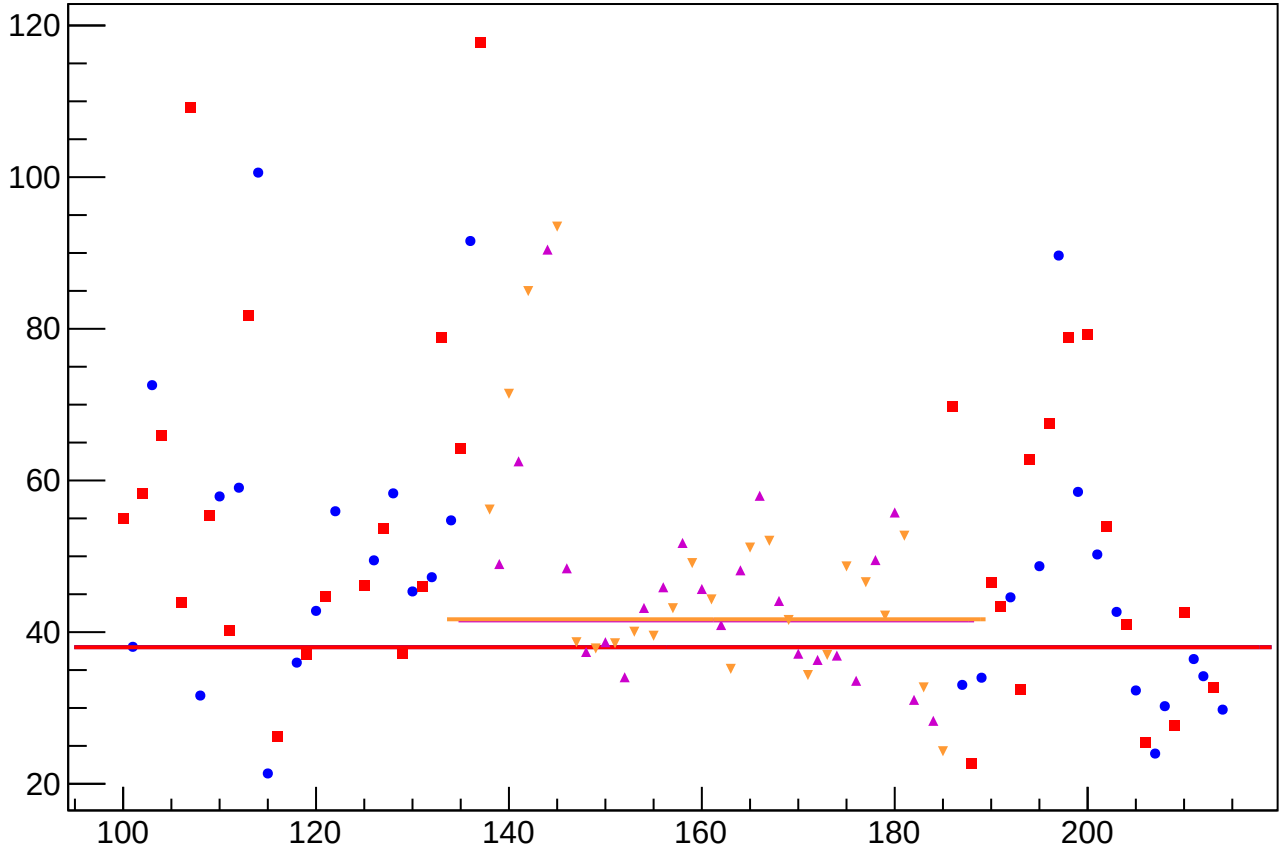
Right: 0.002+/-0.007 χ^2/NDF: 86.5/62

In: -0.000+/-0.007 χ^2/NDF:61.6/52

Out: -0.008+/-0.007 χ^2/NDF:69.7/56

All: -0.004+/-0.005 χ^2/NDF: 131.9/109

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

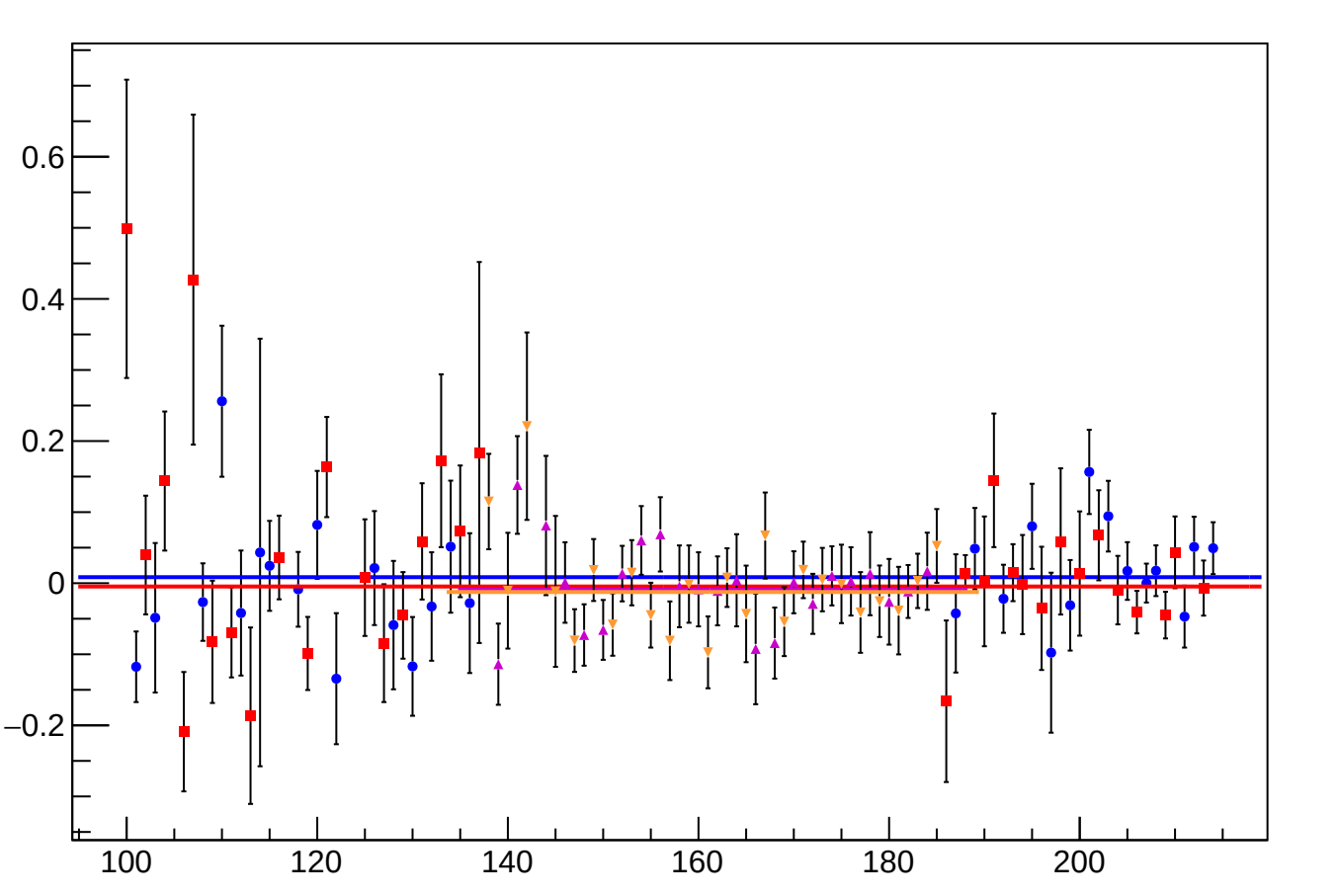
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 38.016+/-0.005 χ^2/NDF: 7686238.2/62

In: 39.743+/-0.005 χ^2/NDF:4948497.0/52

Out: 39.822+/-0.005 χ^2/NDF:6413977.5/56

All: 39.782+/-0.004 χ^2/NDF: 11362590.4/109



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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

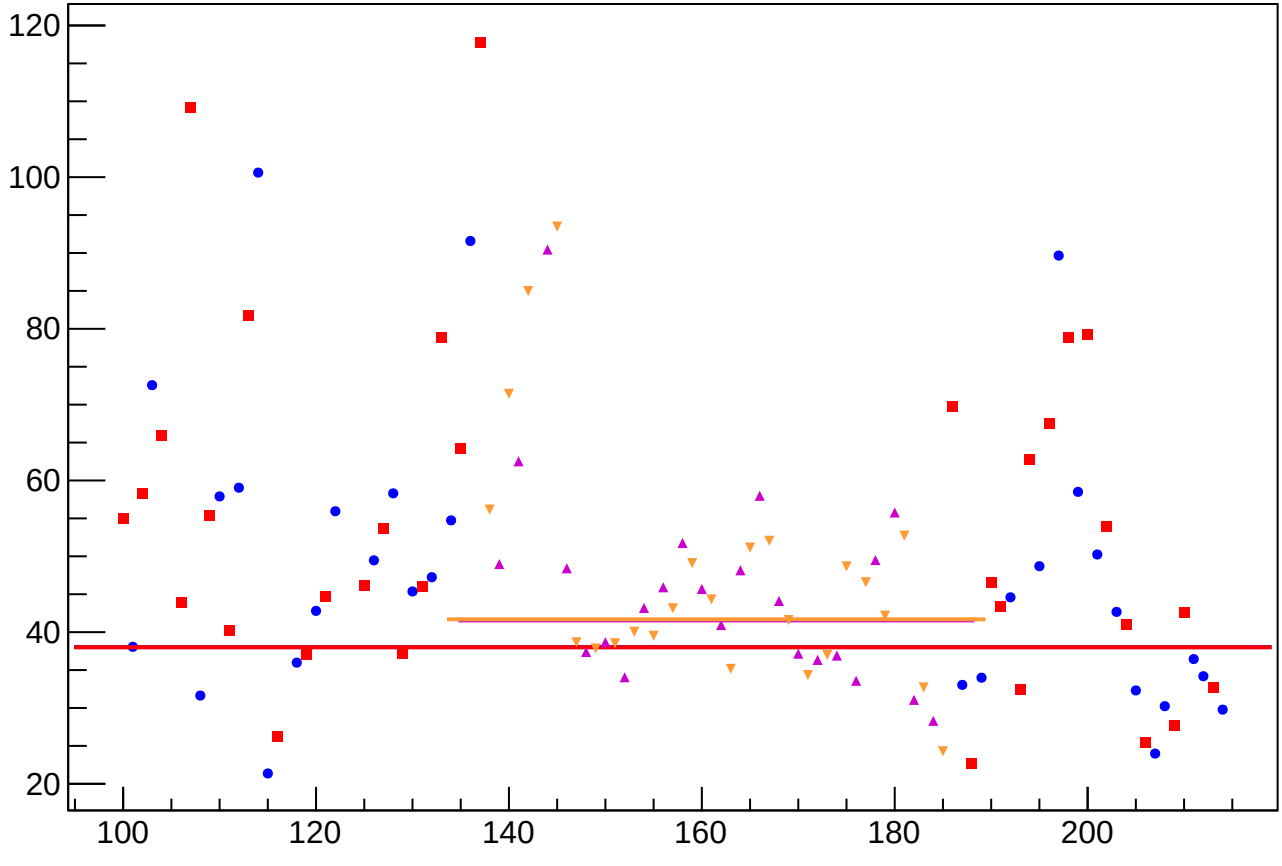
Right: 0.002+/-0.007 χ^2/NDF: 86.5/62

In: -0.000+/-0.007 χ^2/NDF:61.6/52

Out: -0.008+/-0.007 χ^2/NDF:69.7/56

All: -0.004+/-0.005 χ^2/NDF: 131.9/109

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

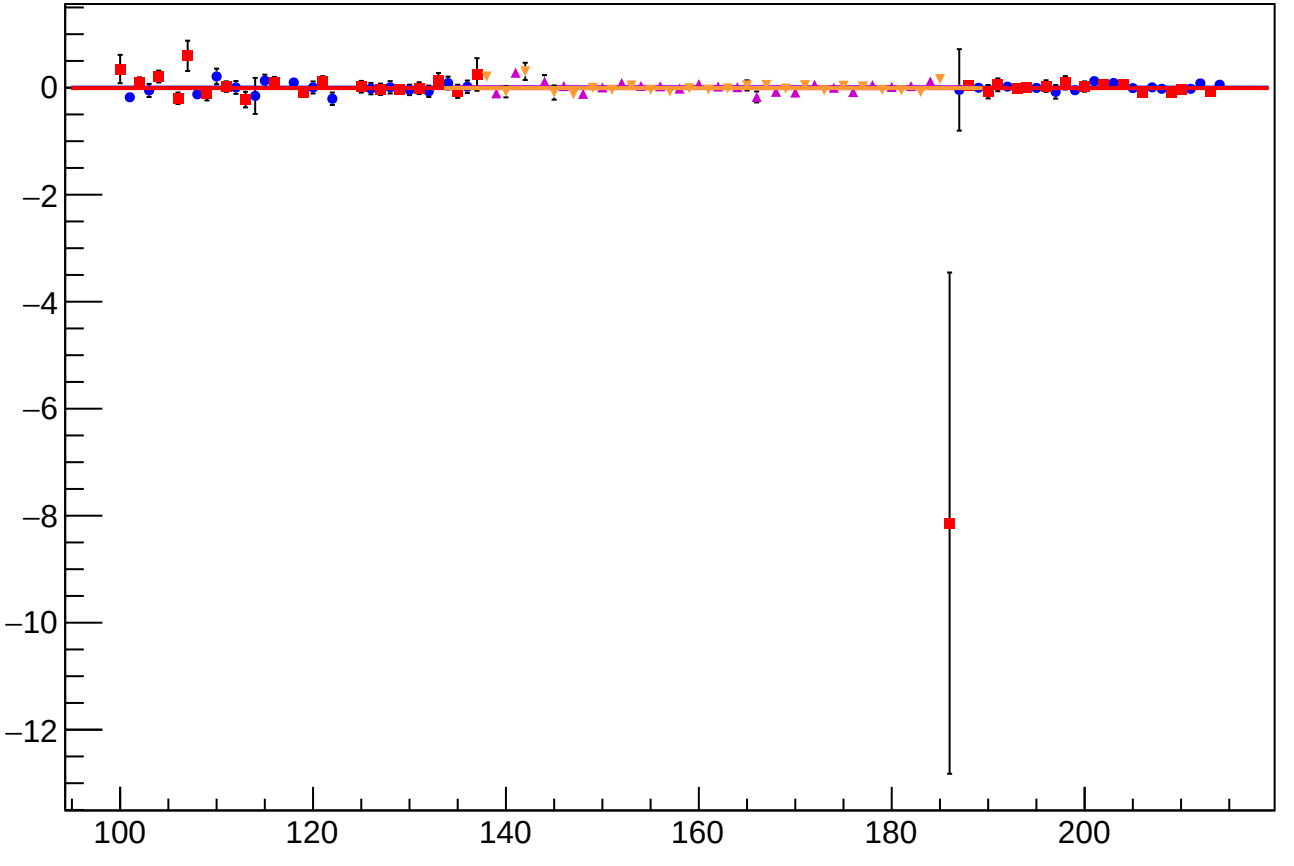
Right: 38.016+/-0.005 χ^2/NDF: 7686238.2/62

In: 39.743+/-0.005 χ^2/NDF:4948497.0/52

Out: 39.822+/-0.005 χ^2/NDF:6413977.5/56

All: 39.782+/-0.004 χ^2/NDF: 11362590.4/109

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

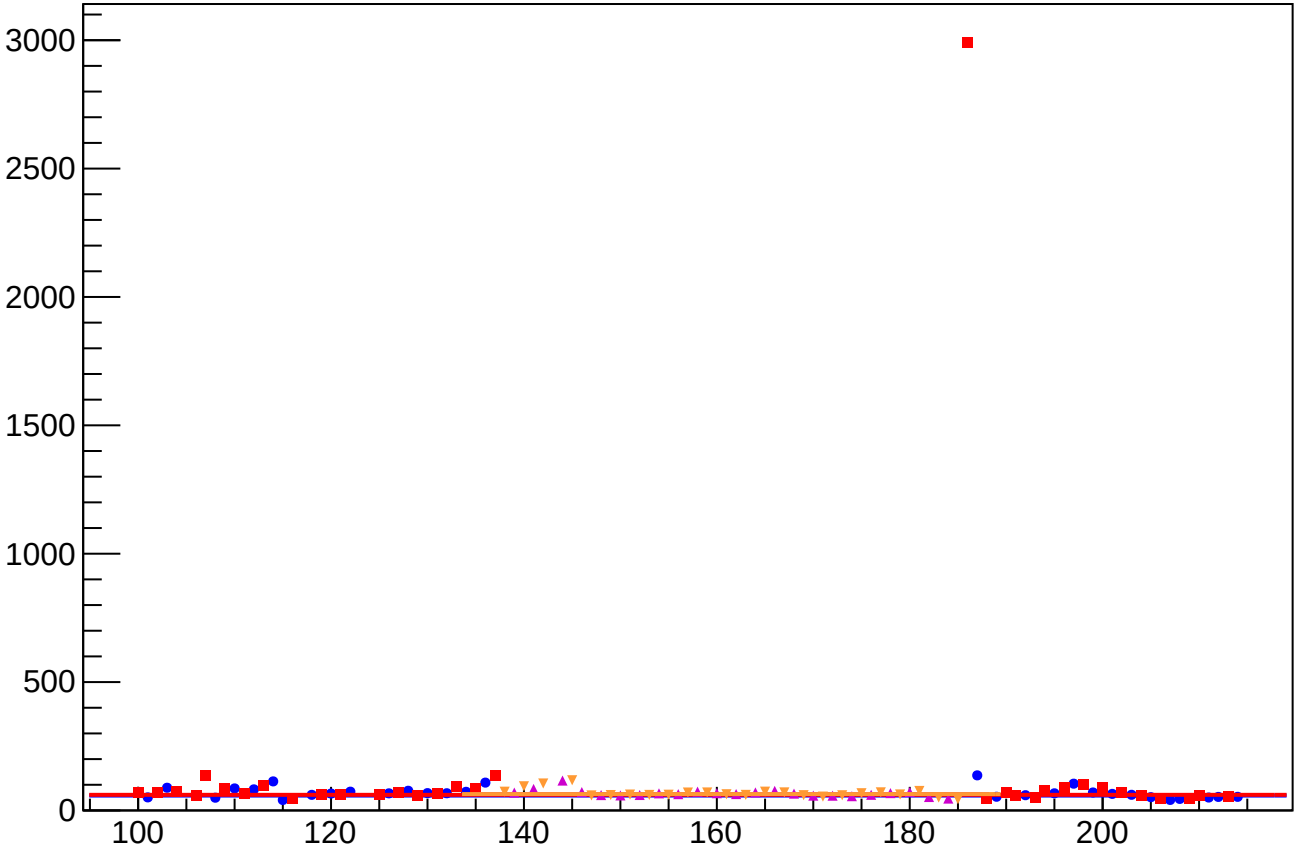
Right: -0.003+/-0.011 χ^2/NDF: 64.8/62

In: 0.004+/-0.011 χ^2/NDF:55.7/52

Out: -0.007+/-0.011 χ^2/NDF:60.8/56

All: -0.001+/-0.008 χ^2/NDF: 117.1/109

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

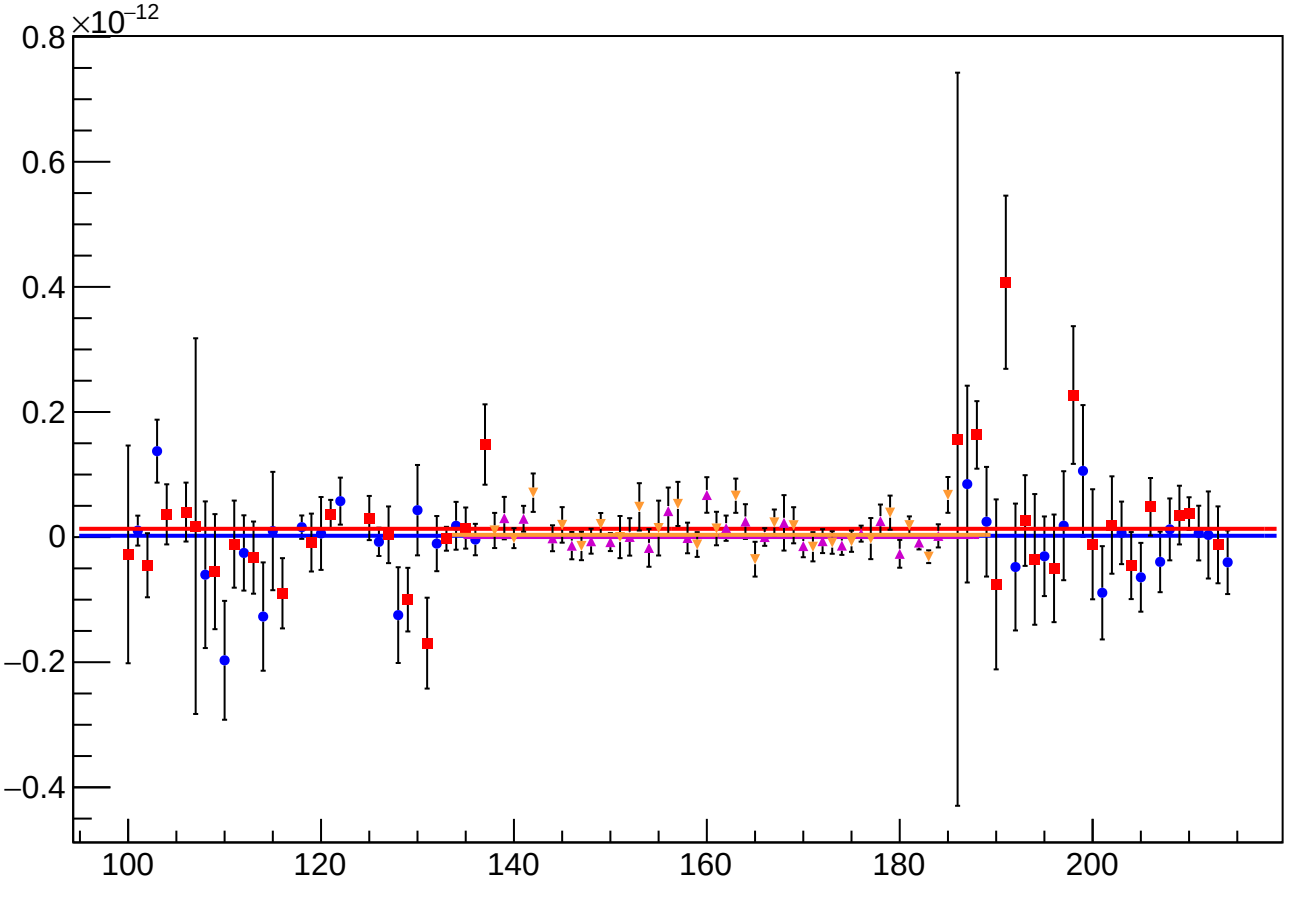
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 59.383+/-0.007 χ^2/NDF: 4640107.9/62

In: 60.880+/-0.008 χ^2/NDF:2856430.9/52

Out: 62.296+/-0.008 χ^2/NDF:3860949.8/56

All: 61.576+/-0.005 χ^2/NDF: 6734713.0/109



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

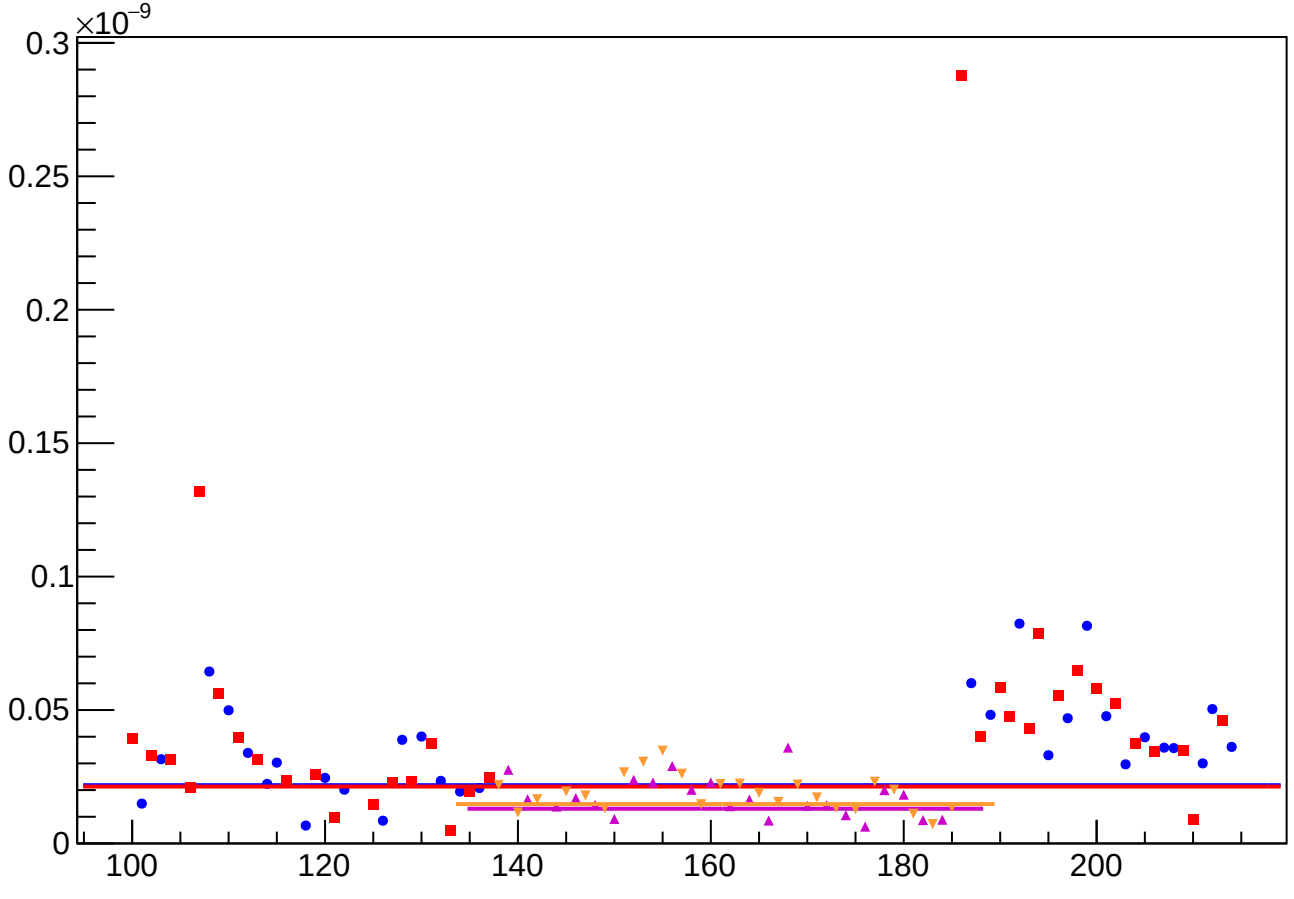
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 76.5/62

In: 0.000+/-0.000 χ^2/NDF:44.2/52

Out: 0.000+/-0.000 χ^2/NDF:90.2/56

All: 0.000+/-0.000 χ^2/NDF: 135.3/109



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

Left: 0.000+/-0.000 χ^2/NDF: 7627228.5/46

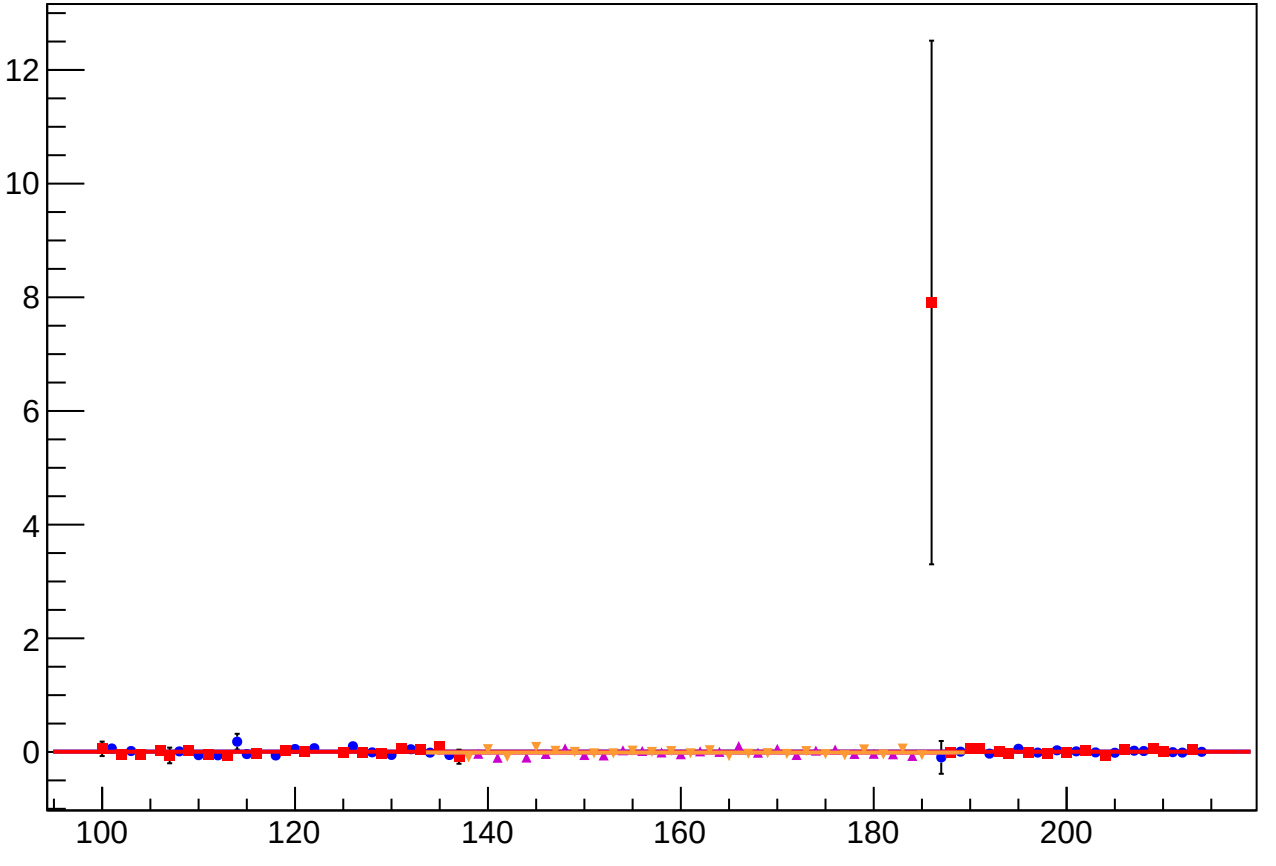
Right: 0.000+/-0.000 χ^2/NDF: 13711485.6/62

In: 0.000+/-0.000 χ^2/NDF:12145588.1/52

Out: 0.000+/-0.000 χ^2/NDF:11918978.9/56

All: 0.000+/-0.000 χ^2/NDF: 24204003.6/109

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

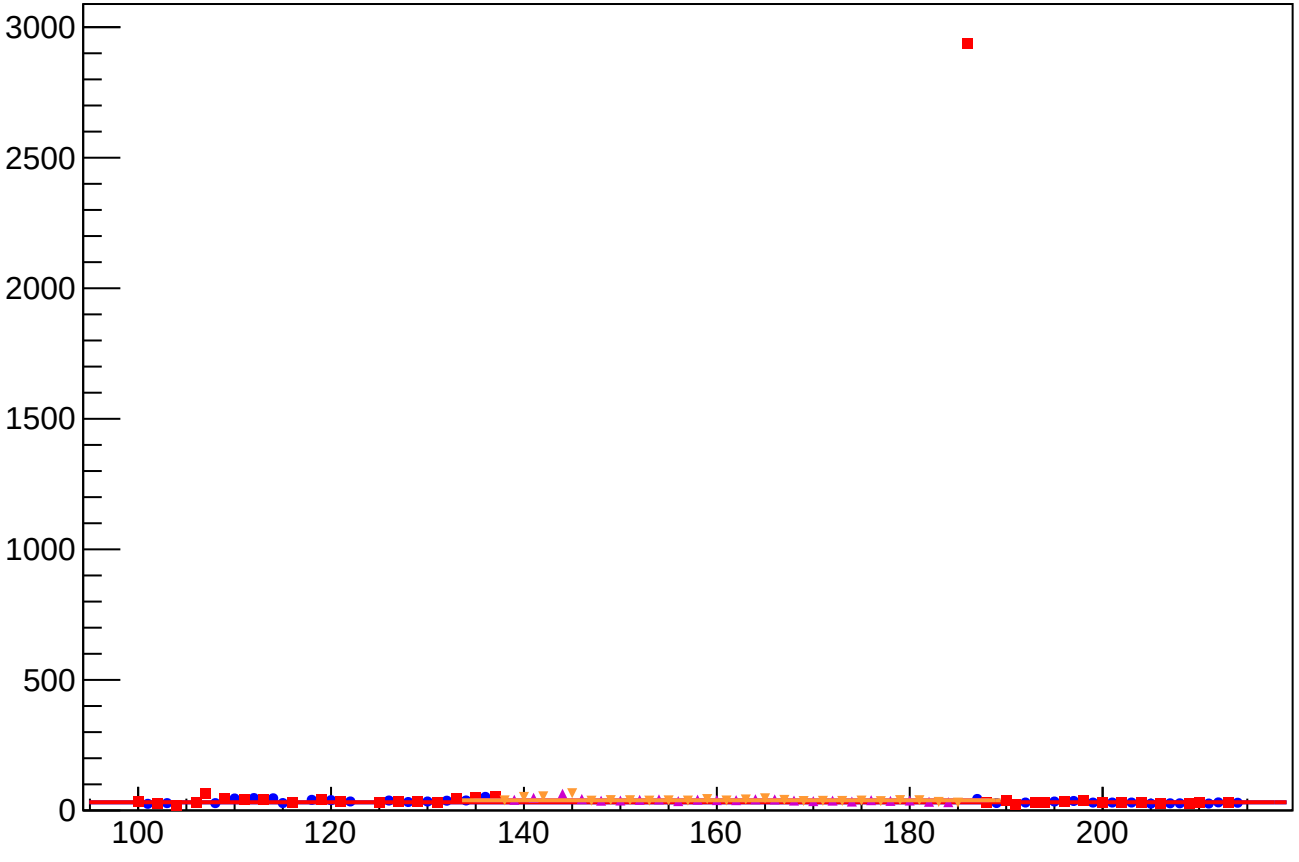
Right: 0.006+/-0.005 χ^2/NDF: 49.4/62

In: -0.000+/-0.006 χ^2/NDF:45.4/52

Out: -0.001+/-0.006 χ^2/NDF:50.2/56

All: -0.001+/-0.004 χ^2/NDF: 95.6/109

asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

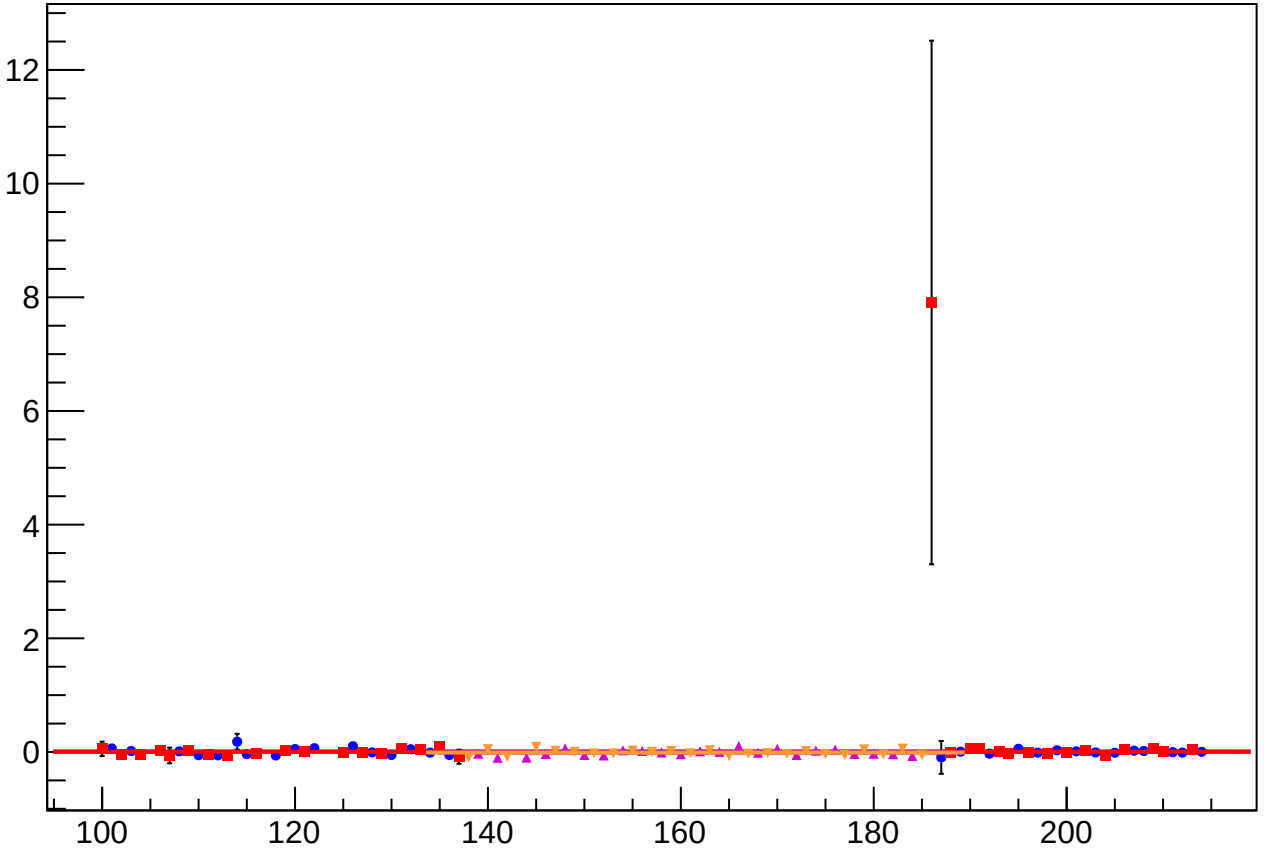
Right: 31.219+/-0.004 χ^2/NDF: 2956199.8/62

In: 34.237+/-0.004 χ^2/NDF:2372569.0/52

Out: 34.477+/-0.004 χ^2/NDF:3367297.2/56

All: 34.357+/-0.003 χ^2/NDF: 5741449.0/109

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

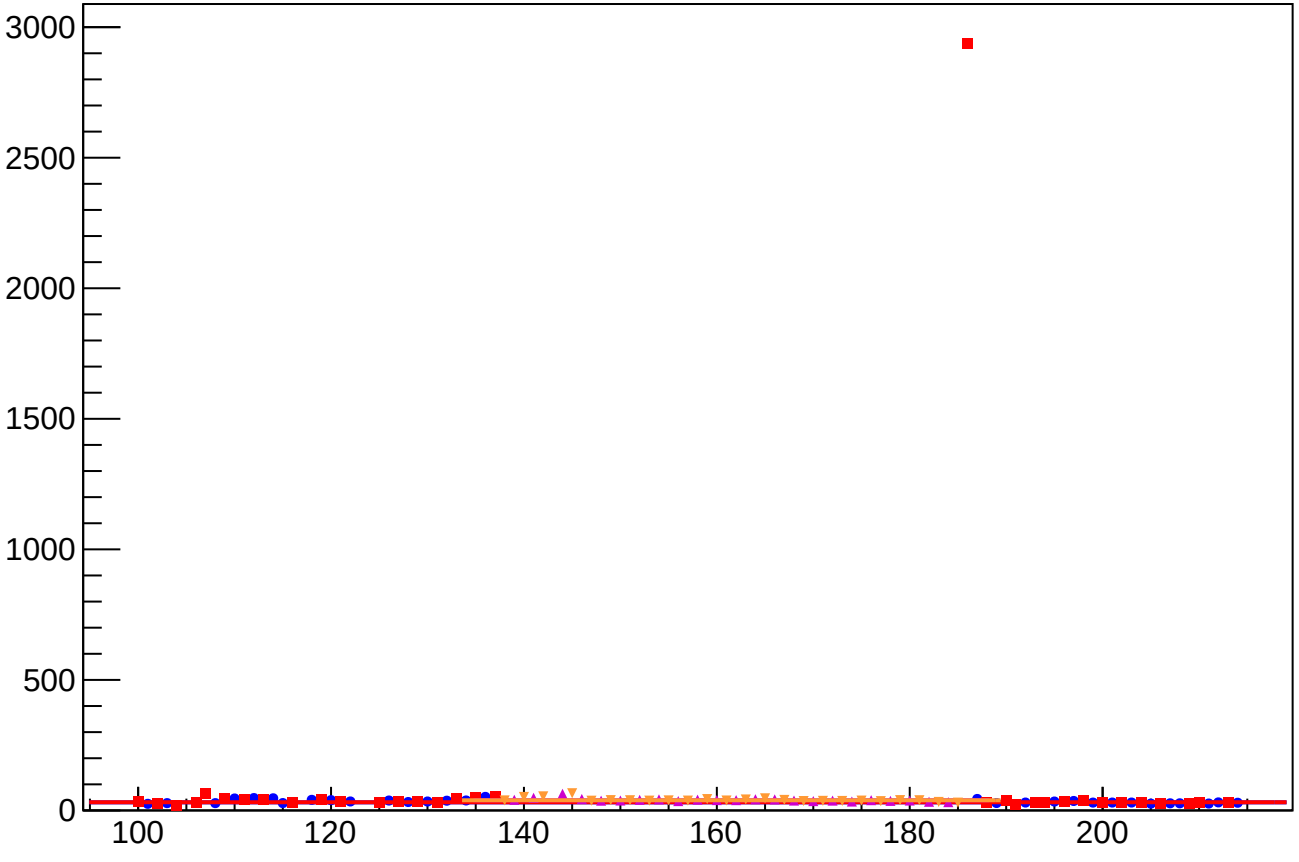
Right: 0.006+/-0.005 χ^2/NDF: 49.4/62

In: -0.000+/-0.006 χ^2/NDF:45.4/52

Out: -0.001+/-0.006 χ^2/NDF:50.2/56

All: -0.001+/-0.004 χ^2/NDF: 95.6/109

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

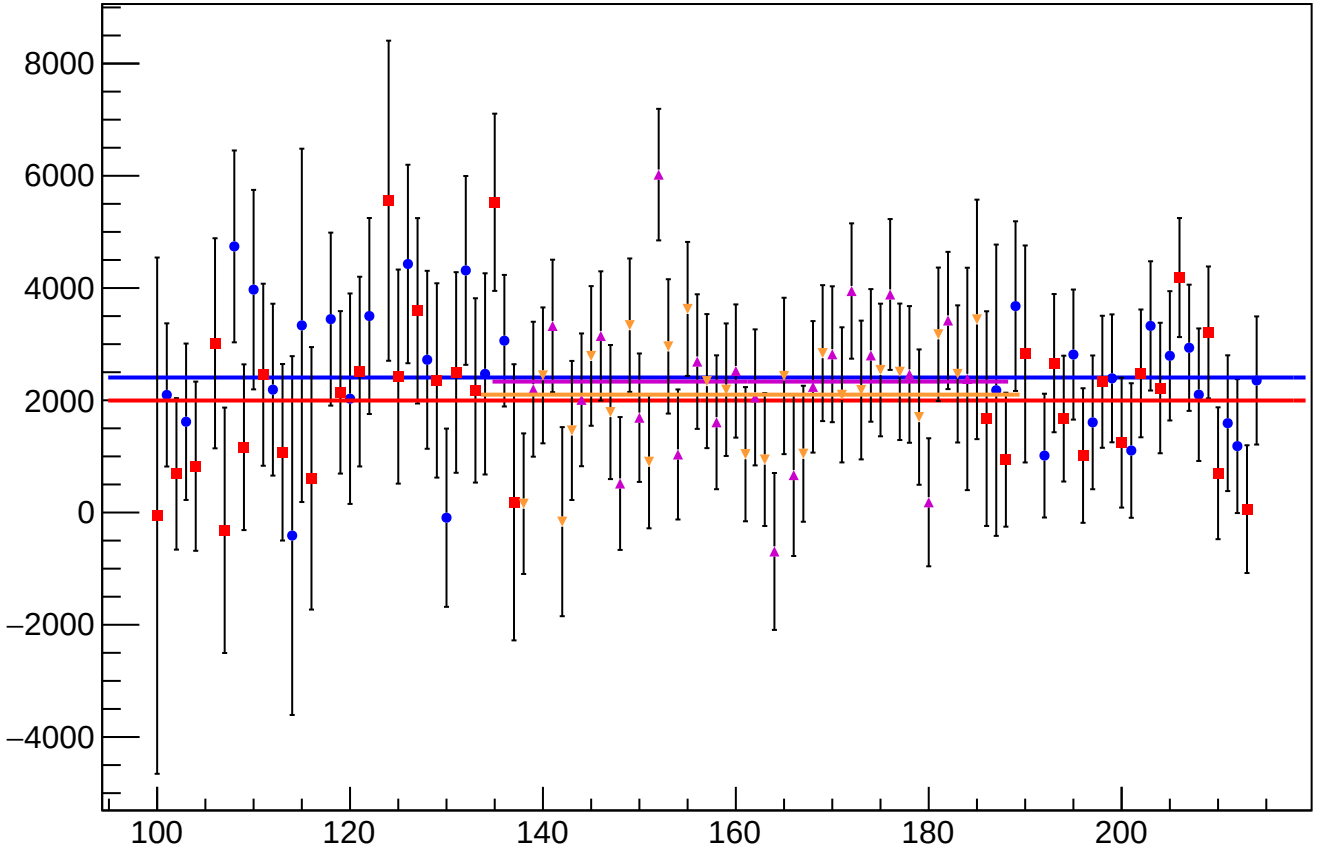
Right: 31.219+/-0.004 χ^2/NDF: 2956199.8/62

In: 34.237+/-0.004 χ^2/NDF:2372569.0/52

Out: 34.477+/-0.004 χ^2/NDF:3367297.2/56

All: 34.357+/-0.003 χ^2/NDF: 5741449.0/109

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

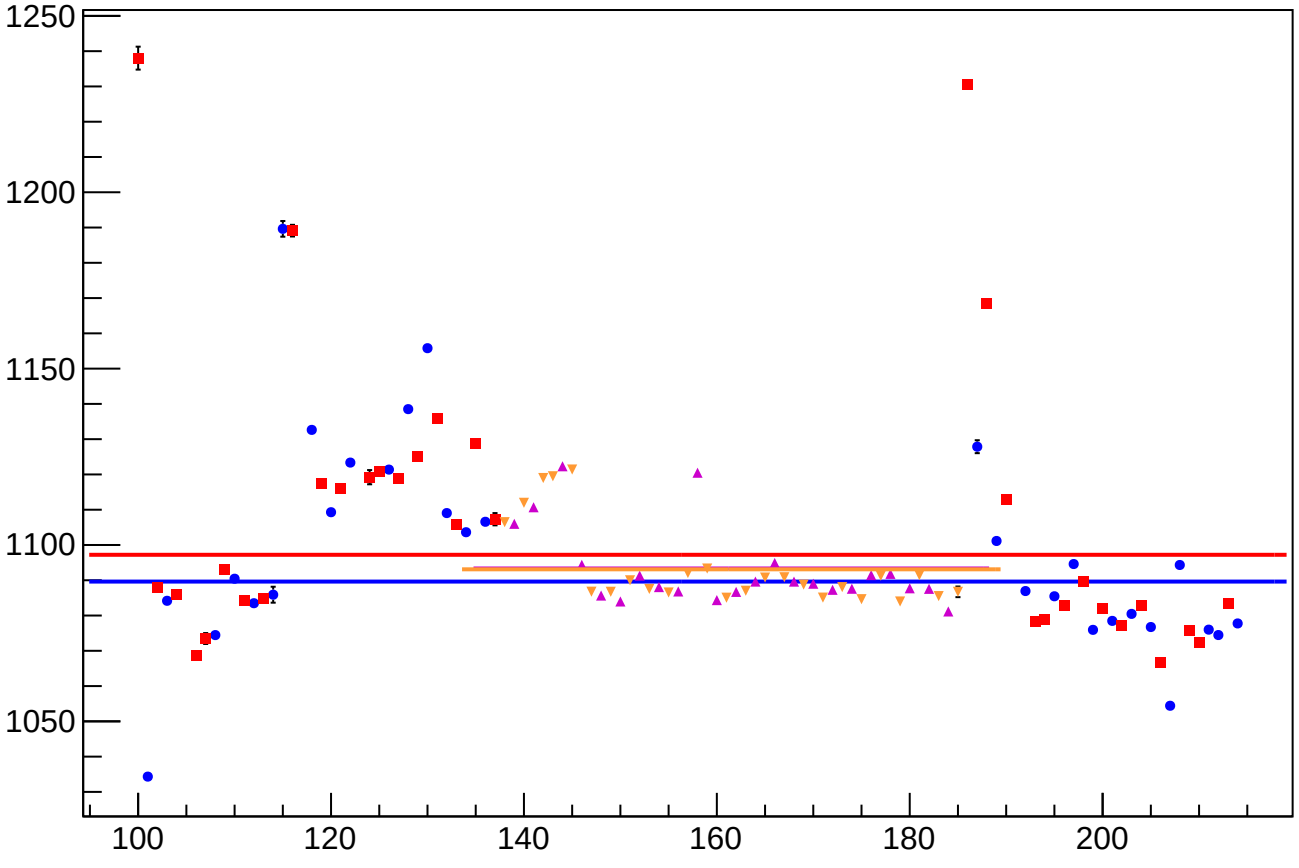
Right: 2199.703+/-179.425 χ^2/NDF: 42.9/62

In: 2369.510+/-180.217 χ^2/NDF:46.3/52

Out: 2049.110+/-177.231 χ^2/NDF:38.7/57

All: 2206.634+/-126.364 χ^2/NDF: 86.6/110

reg_asym_usr_rms vs Slug, Sign Corrected



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

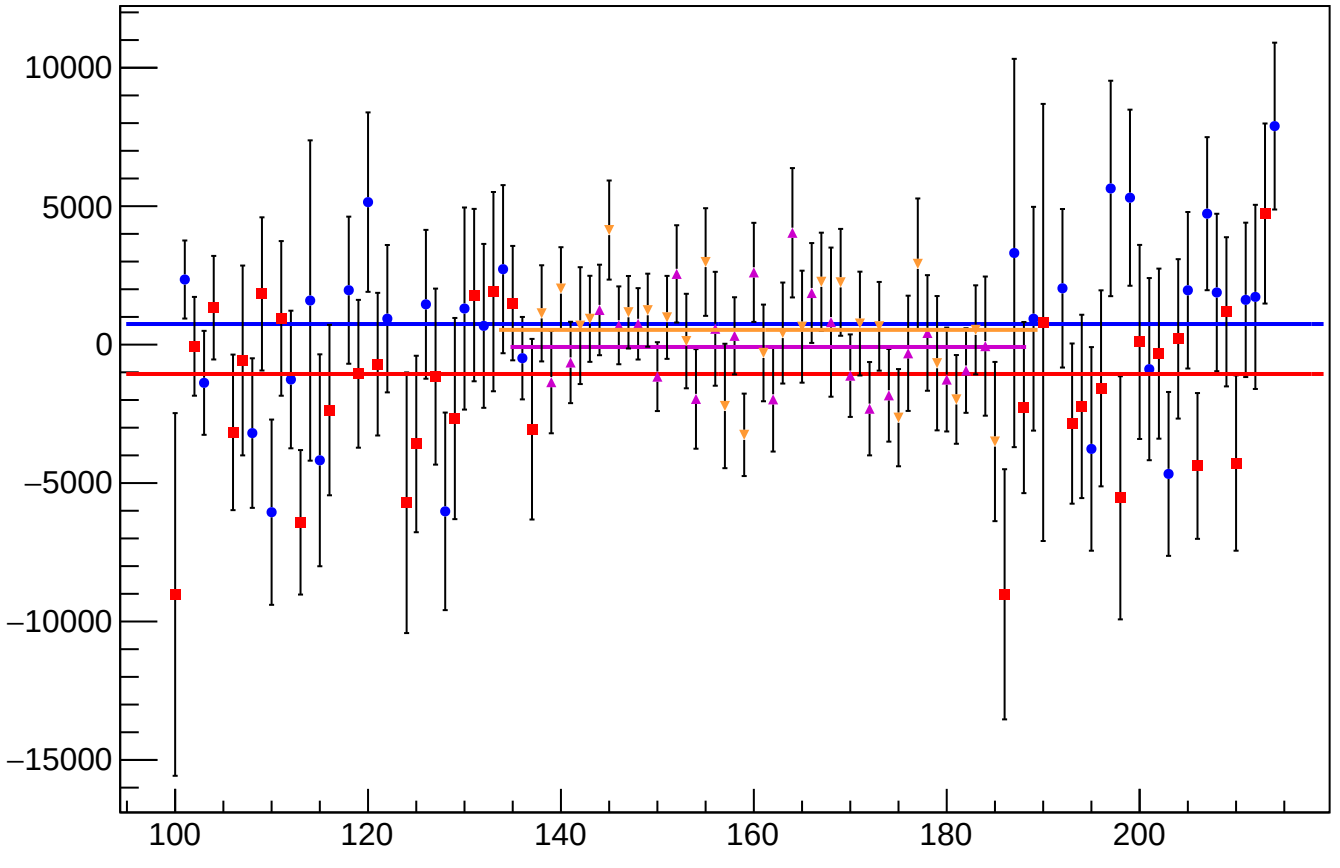
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1093.444+/-0.127 χ^2/NDF: 53517.3/62

In: 1091.477+/-0.127 χ^2/NDF:23532.9/52

Out: 1095.122+/-0.125 χ^2/NDF:37279.9/57

All: 1093.330+/-0.089 χ^2/NDF: 61228.7/110



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

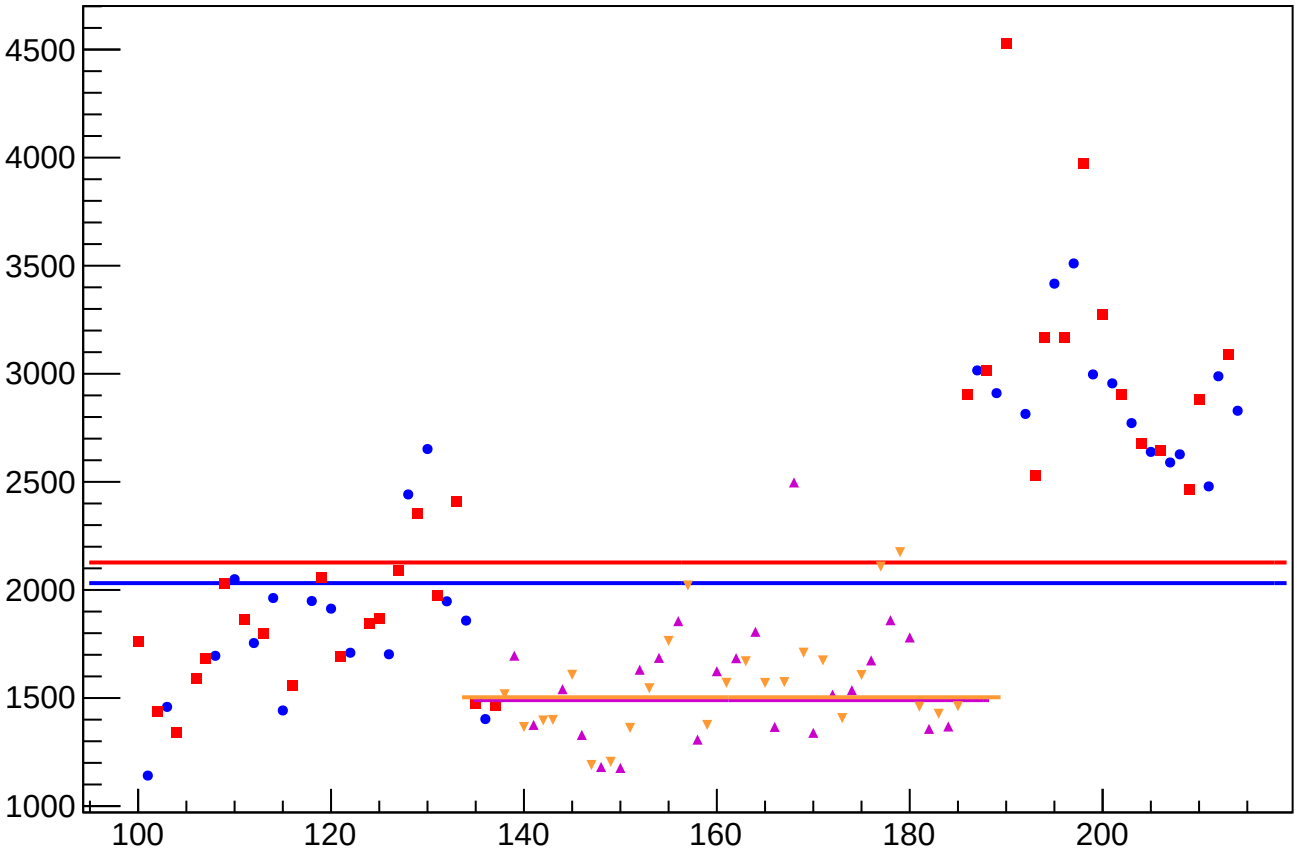
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -133.090+/-359.511 χ^2/NDF: 68.6/62

In: 190.492+/-289.175 χ^2/NDF:55.2/52

Out: 35.822+/-288.007 χ^2/NDF:60.0/57

All: 112.844+/-204.064 χ^2/NDF: 115.4/110



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

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

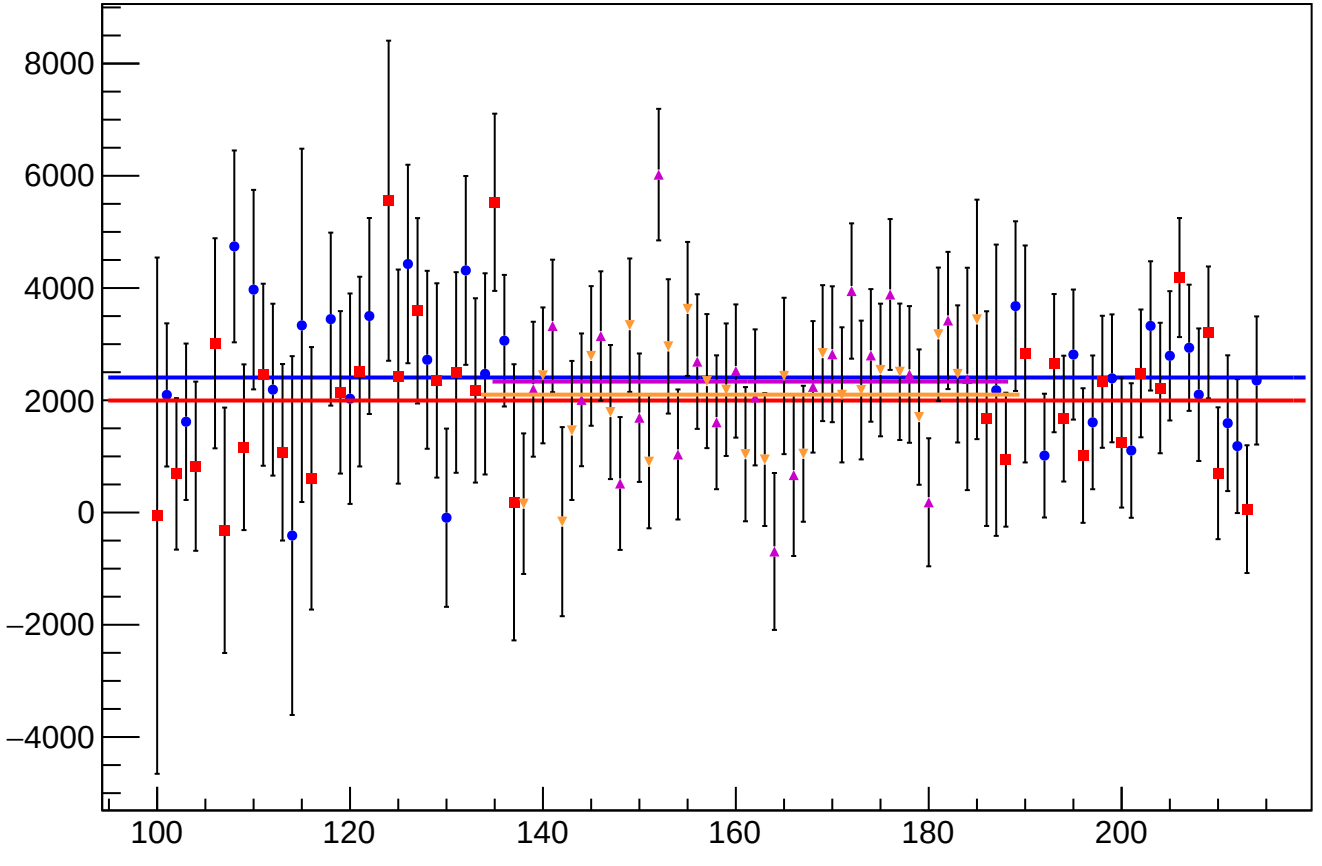
Right: 2077.976+/-0.254 χ^2/NDF: 6836944.0/62

In: 1670.267+/-0.204 χ^2/NDF:6066788.3/52

Out: 1697.986+/-0.204 χ^2/NDF:6070438.9/57

All: 1684.183+/-0.144 χ^2/NDF: 12146452.6/

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

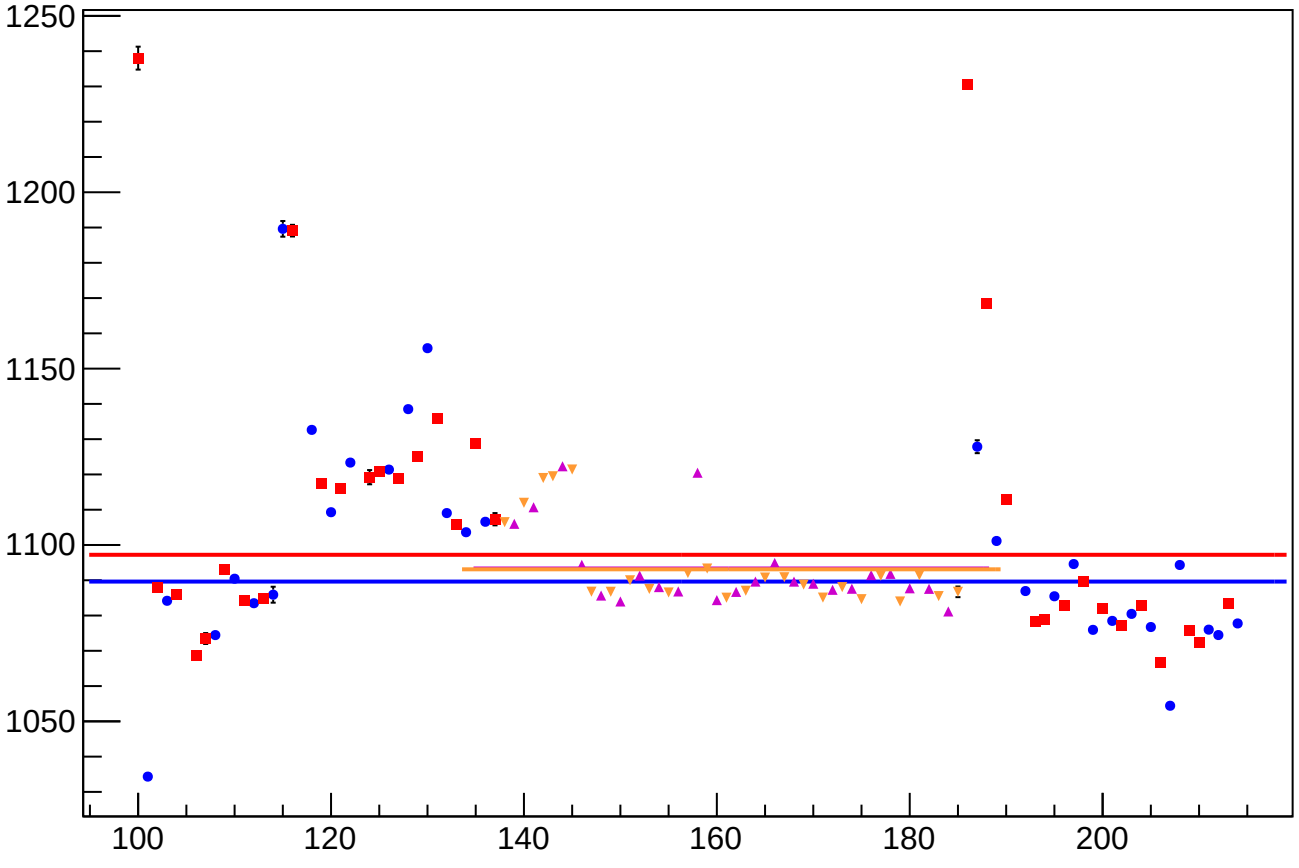
Right: 2199.703+/-179.425 χ^2/NDF: 42.9/62

In: 2369.510+/-180.217 χ^2/NDF:46.3/52

Out: 2049.110+/-177.231 χ^2/NDF:38.7/57

All: 2206.634+/-126.364 χ^2/NDF: 86.6/110

cor_asym_usr_rms vs Slug, Sign Corrected



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

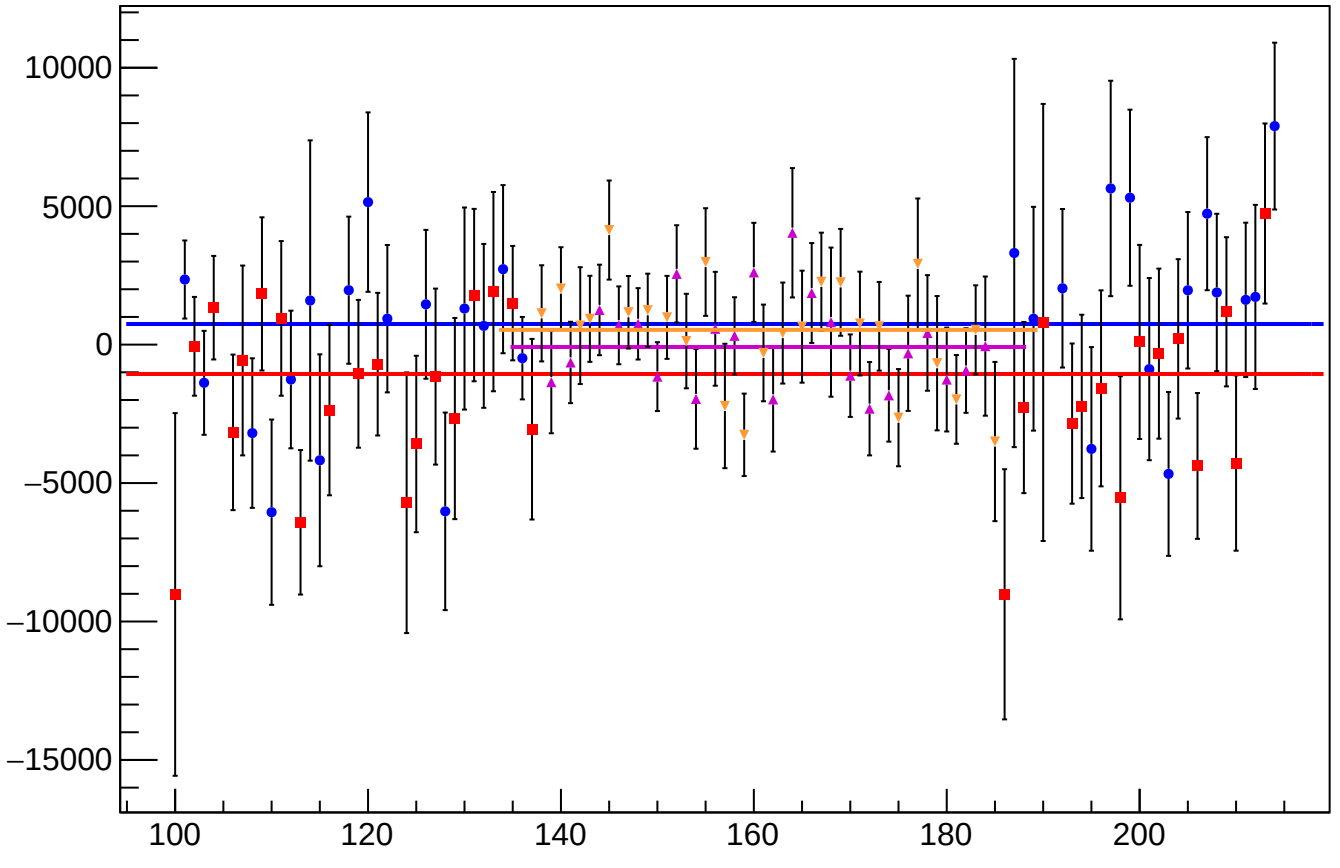
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1093.444+/-0.127 χ^2/NDF: 53517.3/62

In: 1091.477+/-0.127 χ^2/NDF:23532.9/52

Out: 1095.122+/-0.125 χ^2/NDF:37279.9/57

All: 1093.330+/-0.089 χ^2/NDF: 61228.7/110



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

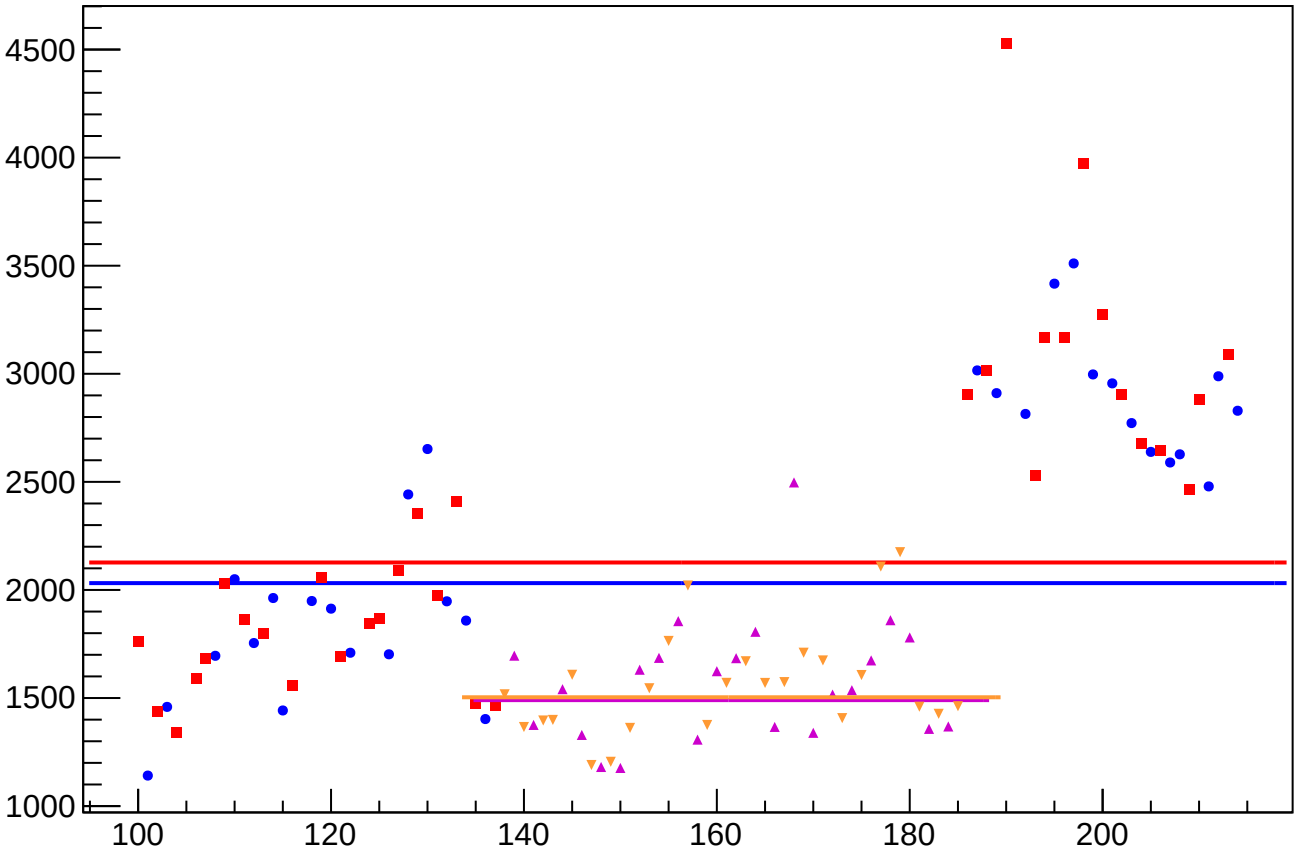
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -133.090+/-359.511 χ^2/NDF: 68.6/62

In: 190.492+/-289.175 χ^2/NDF:55.2/52

Out: 35.822+/-288.007 χ^2/NDF:60.0/57

All: 112.844+/-204.064 χ^2/NDF: 115.4/110



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

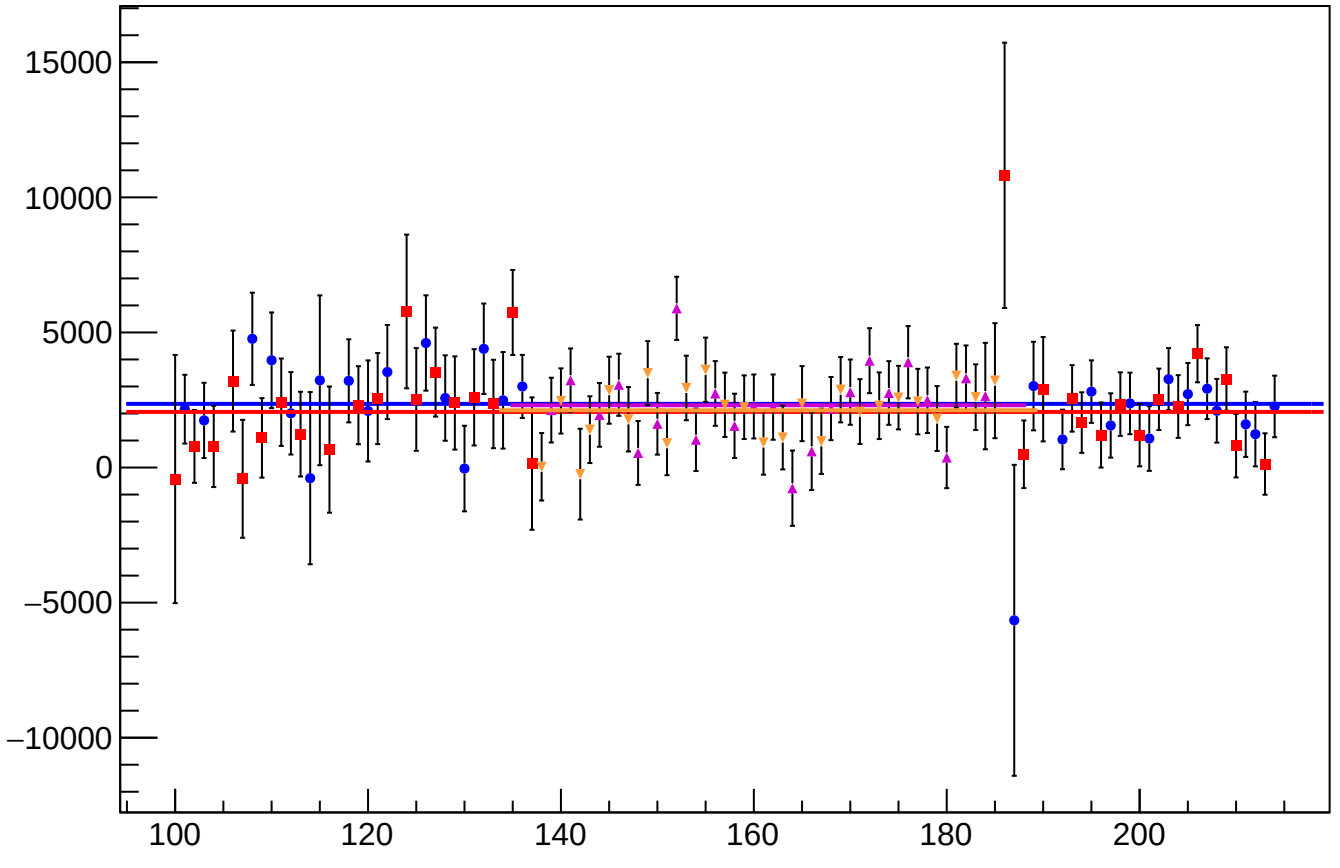
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2077.976+/-0.254 χ^2/NDF: 6836944.0/62

In: 1670.267+/-0.204 χ^2/NDF:6066788.3/52

Out: 1697.986+/-0.204 χ^2/NDF:6070438.9/57

All: 1684.183+/-0.144 χ^2/NDF: 12146452.6/1



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

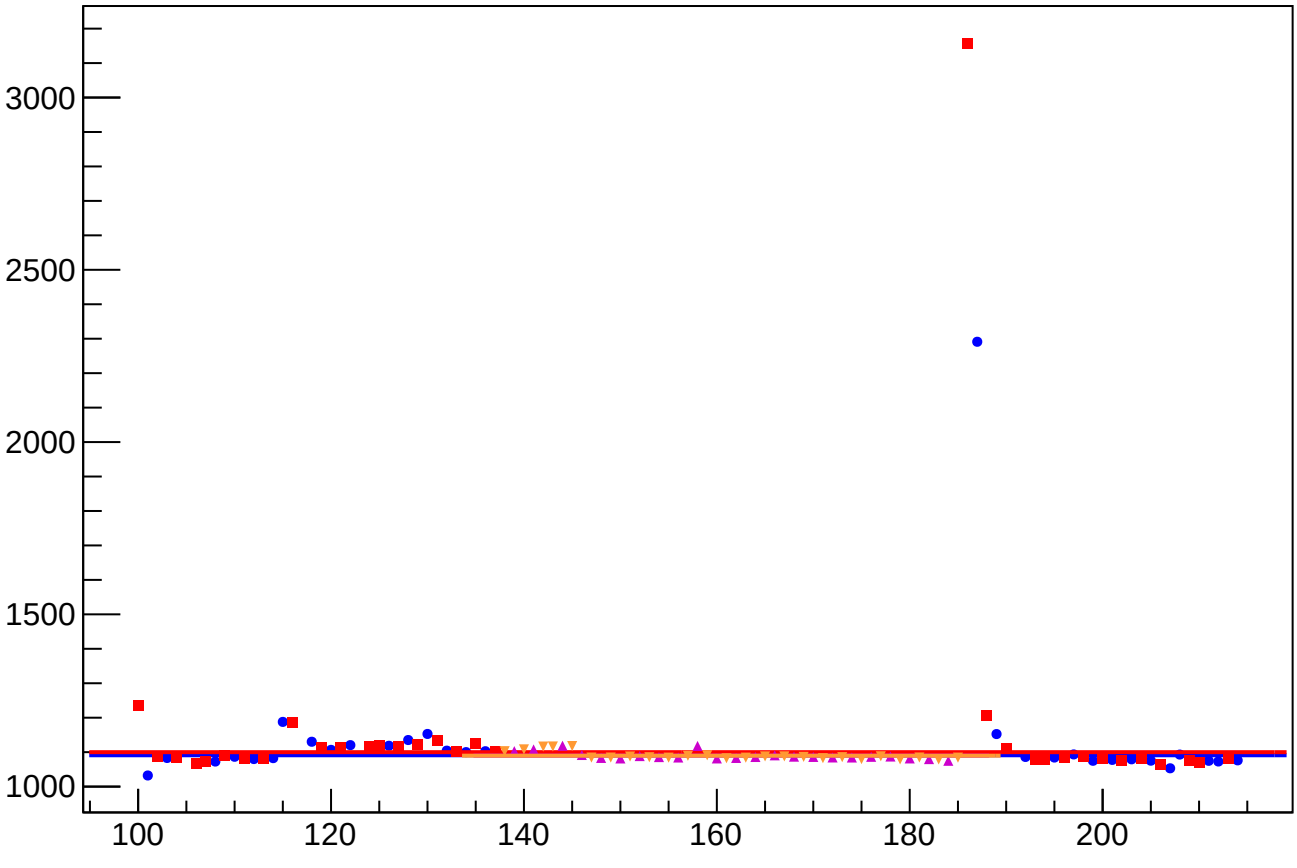
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2207.422+/-180.553 χ^2/NDF: 48.1/62

In: 2330.893+/-180.326 χ^2/NDF:46.5/52

Out: 2090.279+/-177.664 χ^2/NDF:44.5/57

All: 2208.797+/-126.558 χ^2/NDF: 91.9/110



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

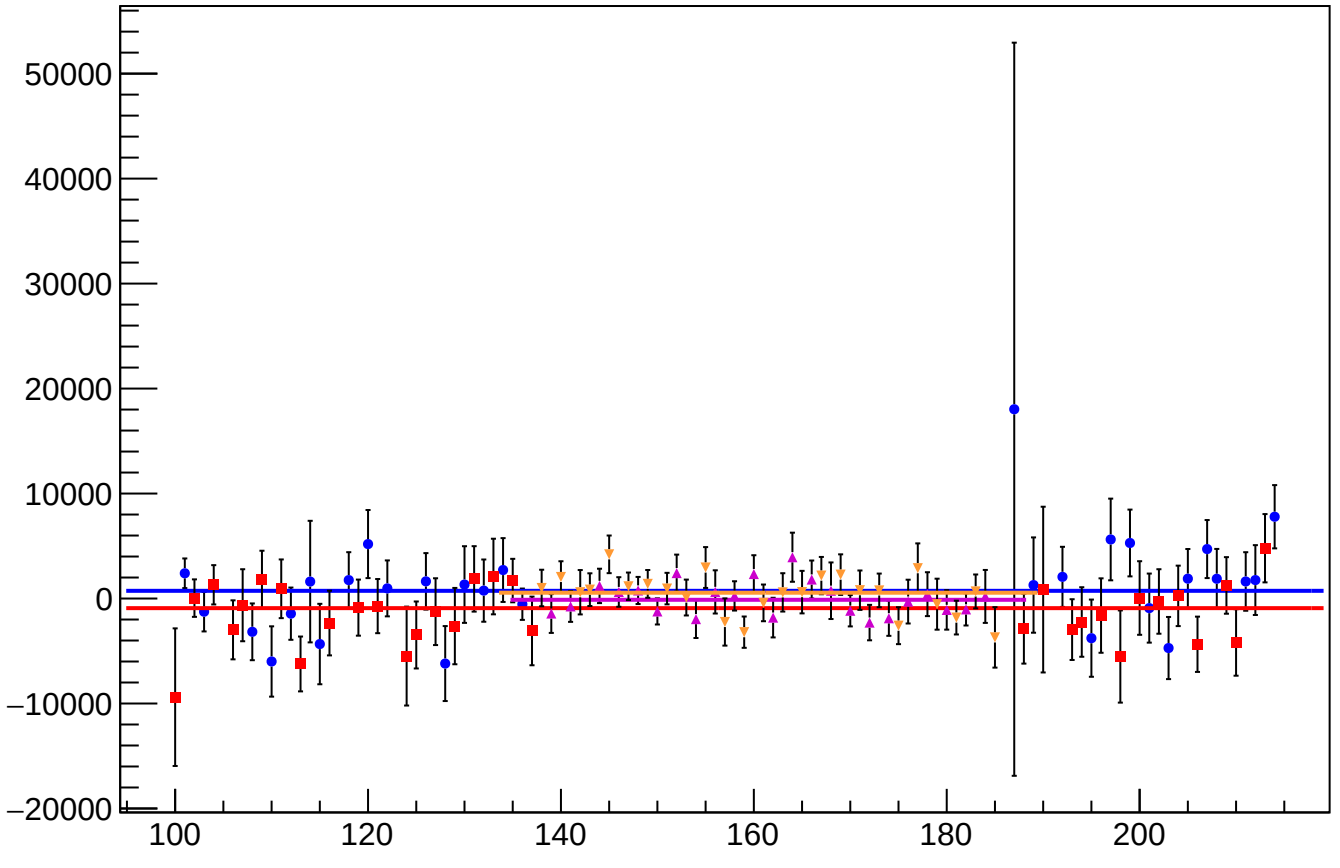
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1095.478+/-0.128 χ^2/NDF: 492133.7/62

In: 1090.479+/-0.128 χ^2/NDF:112554.8/52

Out: 1094.689+/-0.126 χ^2/NDF:387968.3/57

All: 1092.615+/-0.089 χ^2/NDF: 501076.2/110



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

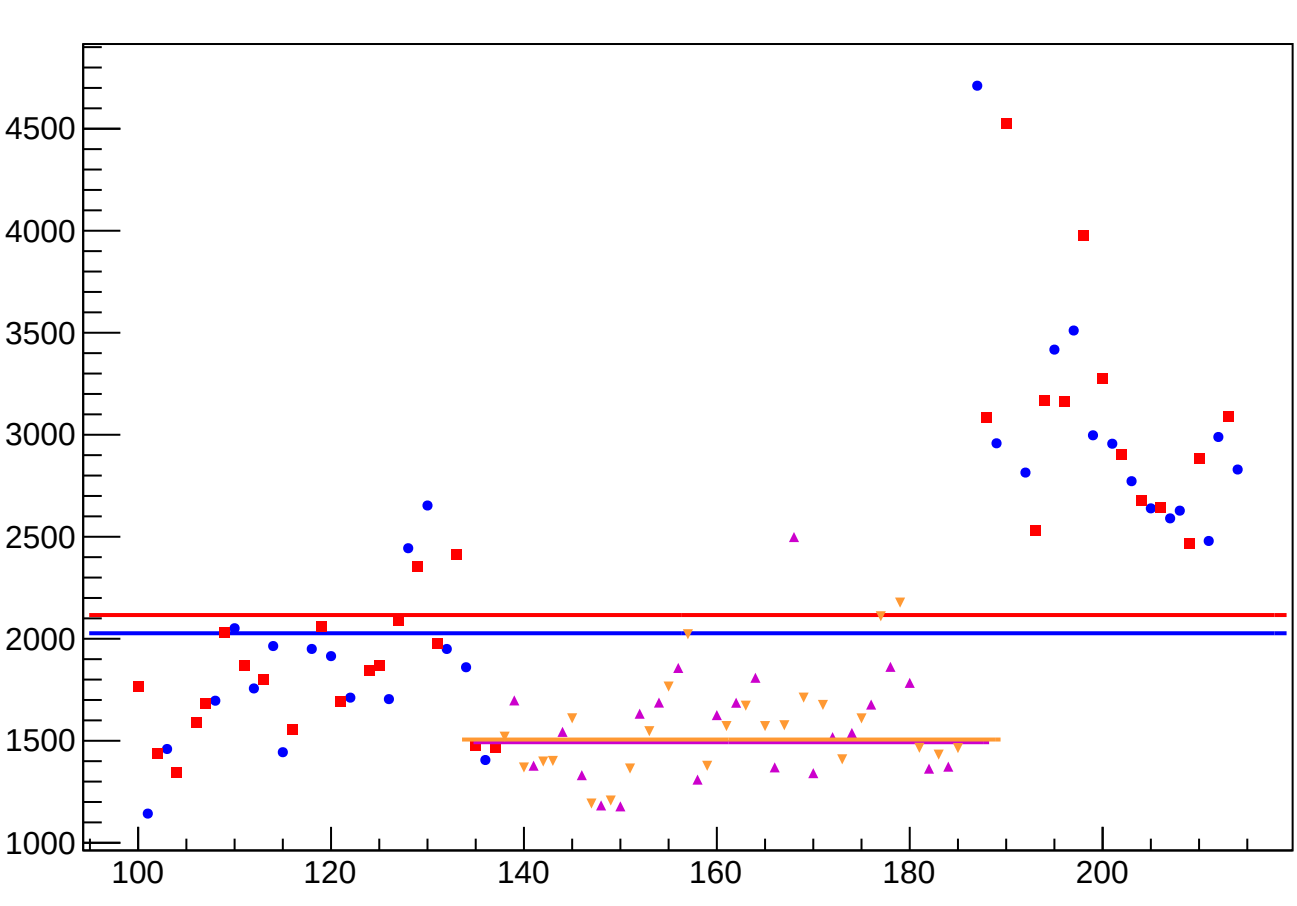
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -65.082+/-362.054 χ^2/NDF: 64.8/61

In: 161.569+/-289.984 χ^2/NDF:54.7/52

Out: 99.819+/-289.174 χ^2/NDF:55.7/56

All: 130.608+/-204.763 χ^2/NDF: 110.3/109



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

Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

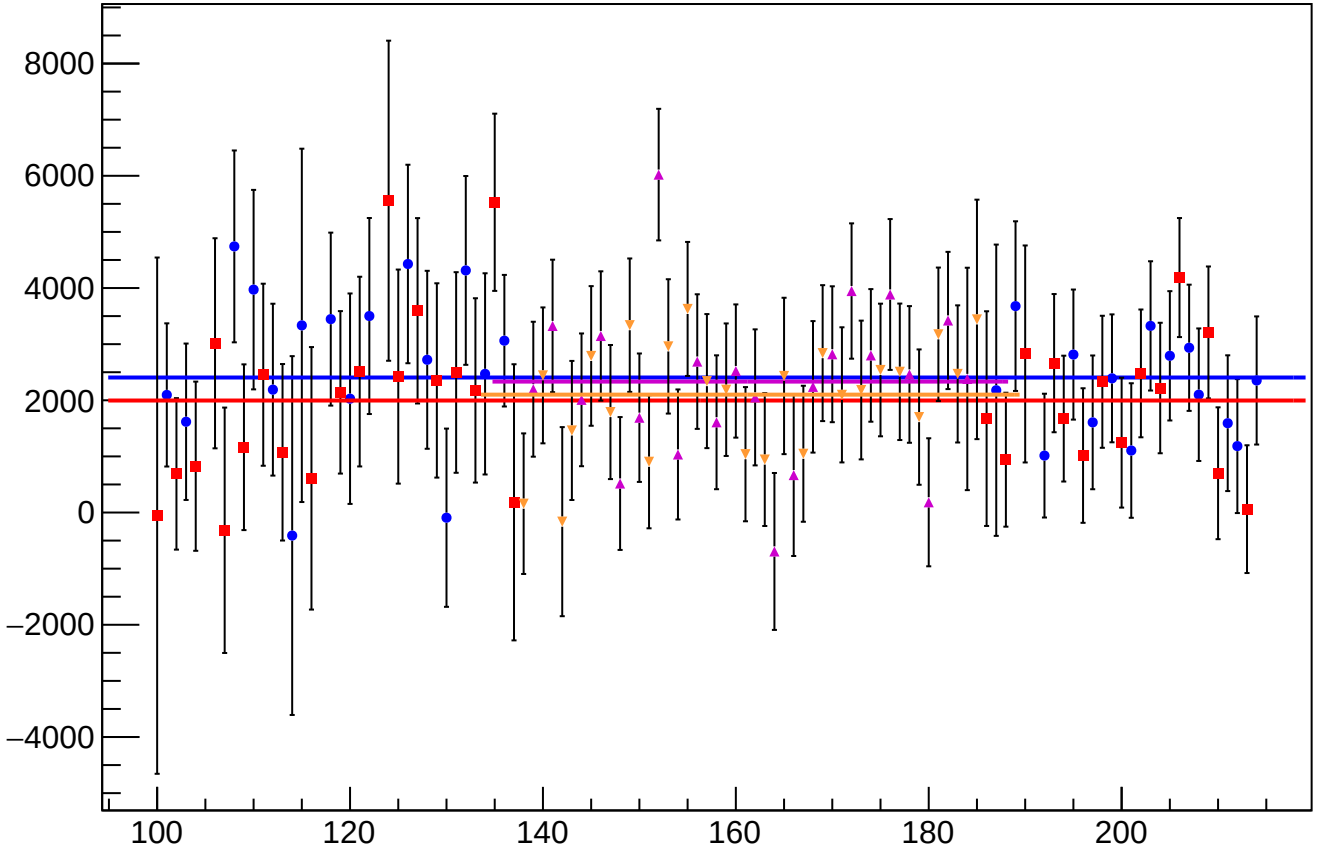
Right: 2070.250+/-0.256 χ^2/NDF: 6709045.9/61

In: 1669.758+/-0.205 χ^2/NDF:5958675.0/52

Out: 1694.514+/-0.204 χ^2/NDF:5883728.2/56

All: 1682.171+/-0.145 χ^2/NDF: 11849711.4/1

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



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

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

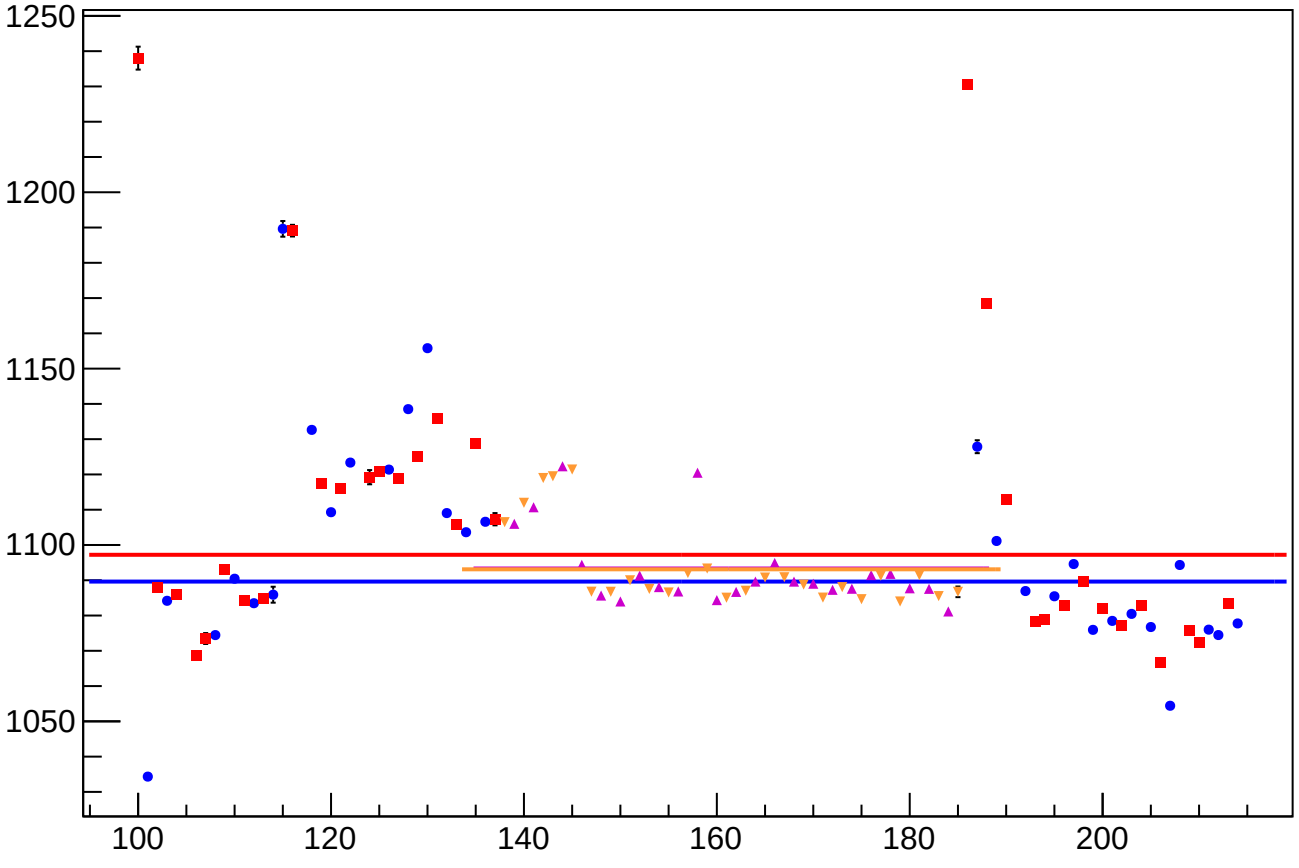
Right: 2199.703+/-179.425 χ^2/NDF: 42.9/62

In: 2369.510+/-180.217 χ^2/NDF:46.3/52

Out: 2049.110+/-177.231 χ^2/NDF:38.7/57

All: 2206.634+/-126.364 χ^2/NDF: 86.6/110

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



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

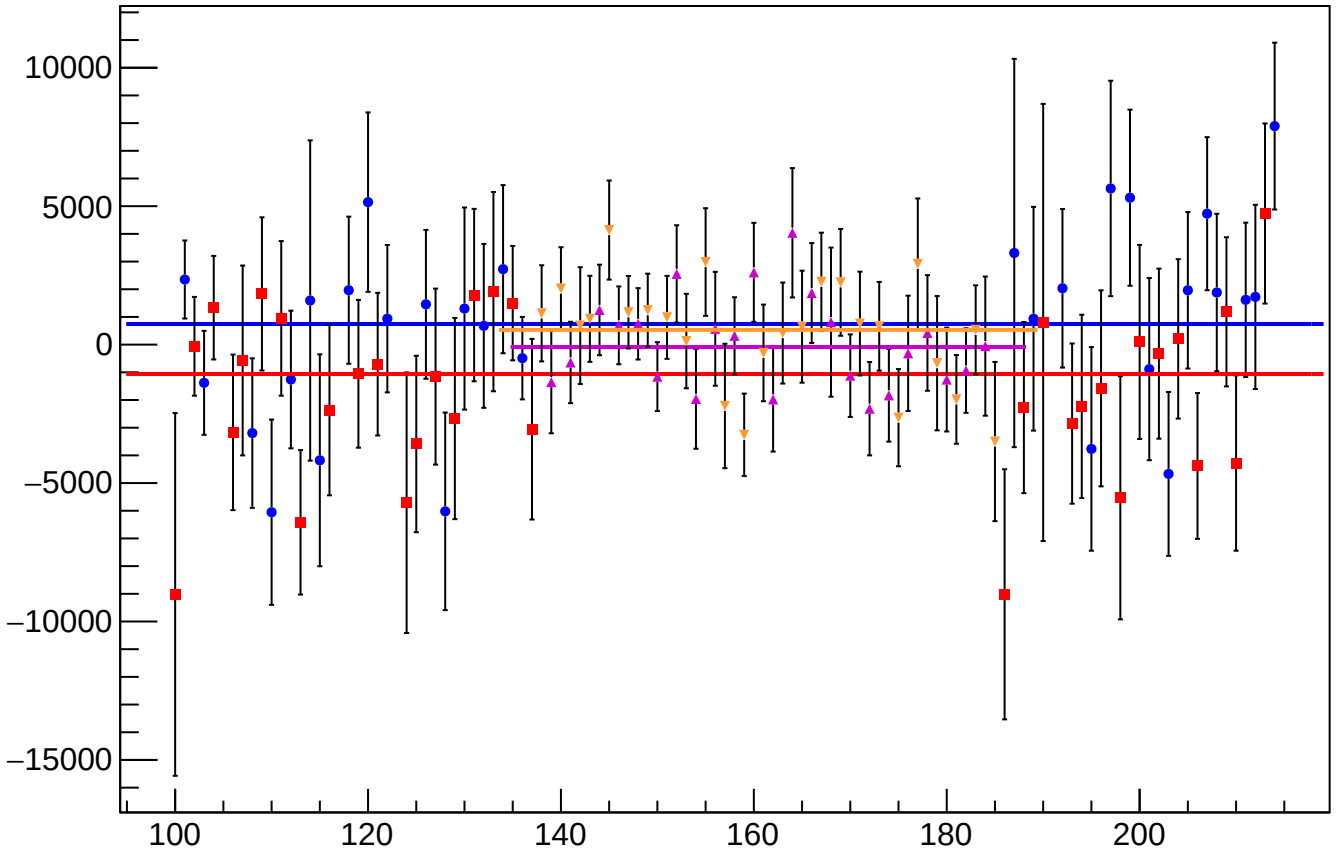
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1093.444+/-0.127 χ^2/NDF: 53517.3/62

In: 1091.477+/-0.127 χ^2/NDF:23532.9/52

Out: 1095.122+/-0.125 χ^2/NDF:37279.9/57

All: 1093.330+/-0.089 χ^2/NDF: 61228.7/110



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

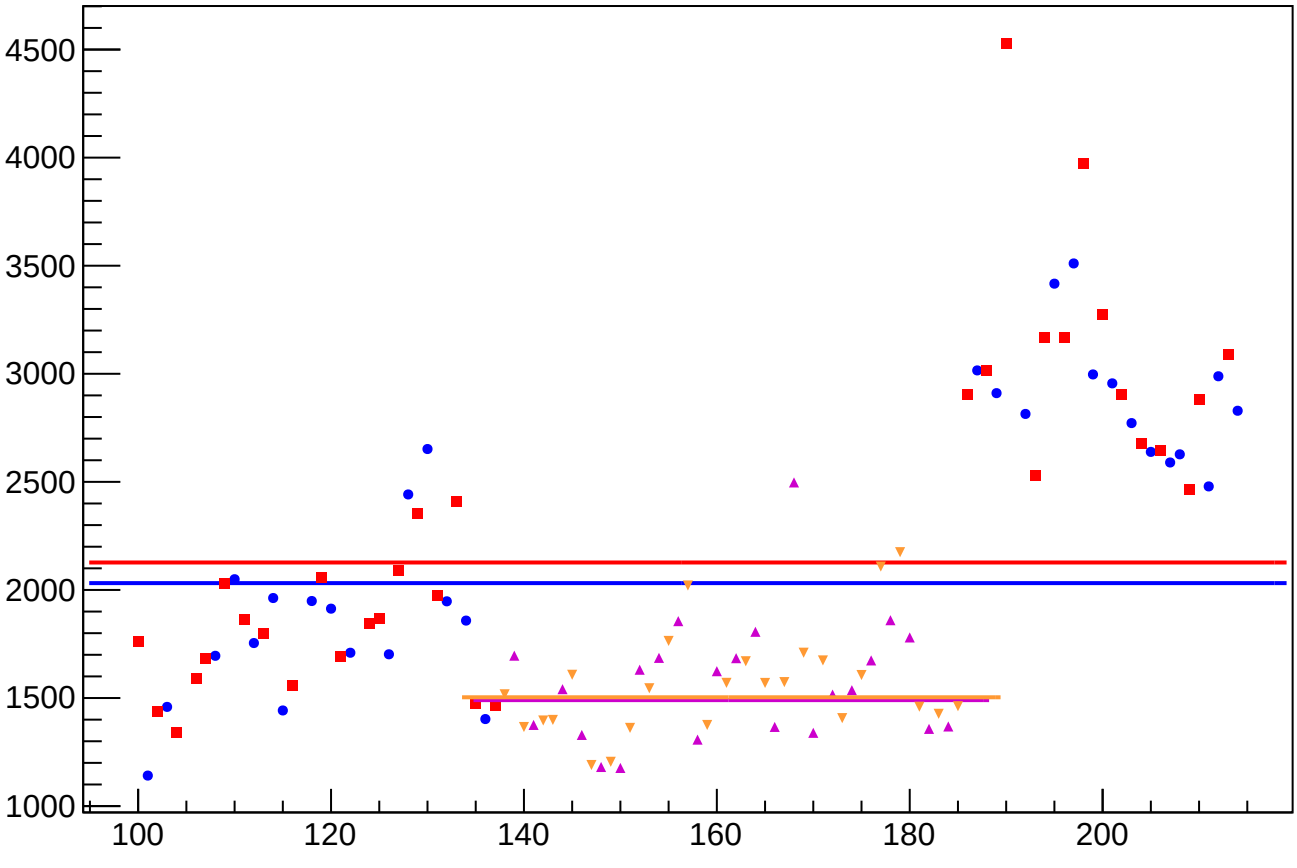
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -133.090+/-359.511 χ^2/NDF: 68.6/62

In: 190.492+/-289.175 χ^2/NDF:55.2/52

Out: 35.822+/-288.007 χ^2/NDF:60.0/57

All: 112.844+/-204.064 χ^2/NDF: 115.4/110



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

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

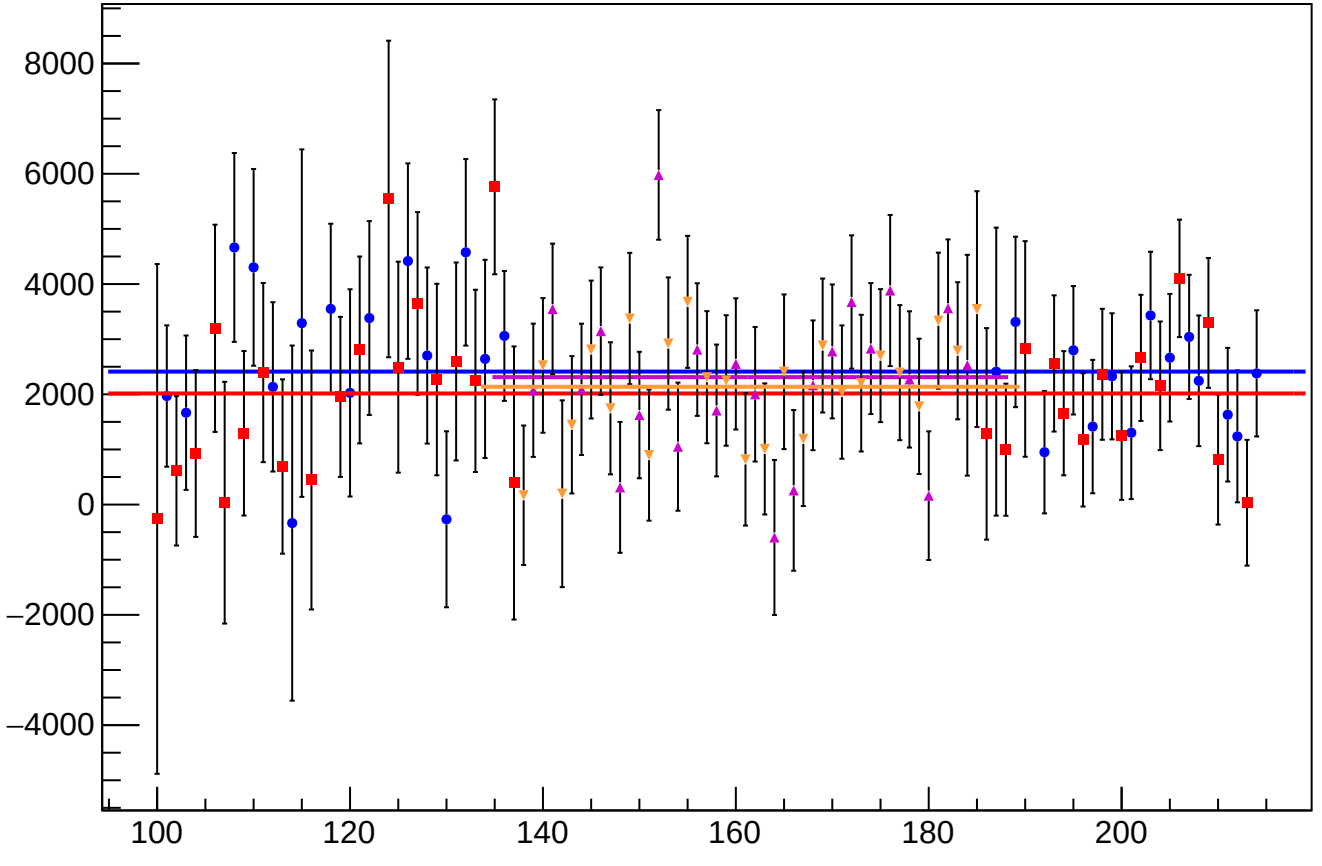
Right: 2077.976+/-0.254 χ^2/NDF: 6836944.0/62

In: 1670.267+/-0.204 χ^2/NDF:6066788.3/52

Out: 1697.986+/-0.204 χ^2/NDF:6070438.9/57

All: 1684.183+/-0.144 χ^2/NDF: 12146452.6/

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2412.319+/-255.696 χ^2/NDF: 17.3/29

Left Out: 2137.184+/-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

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

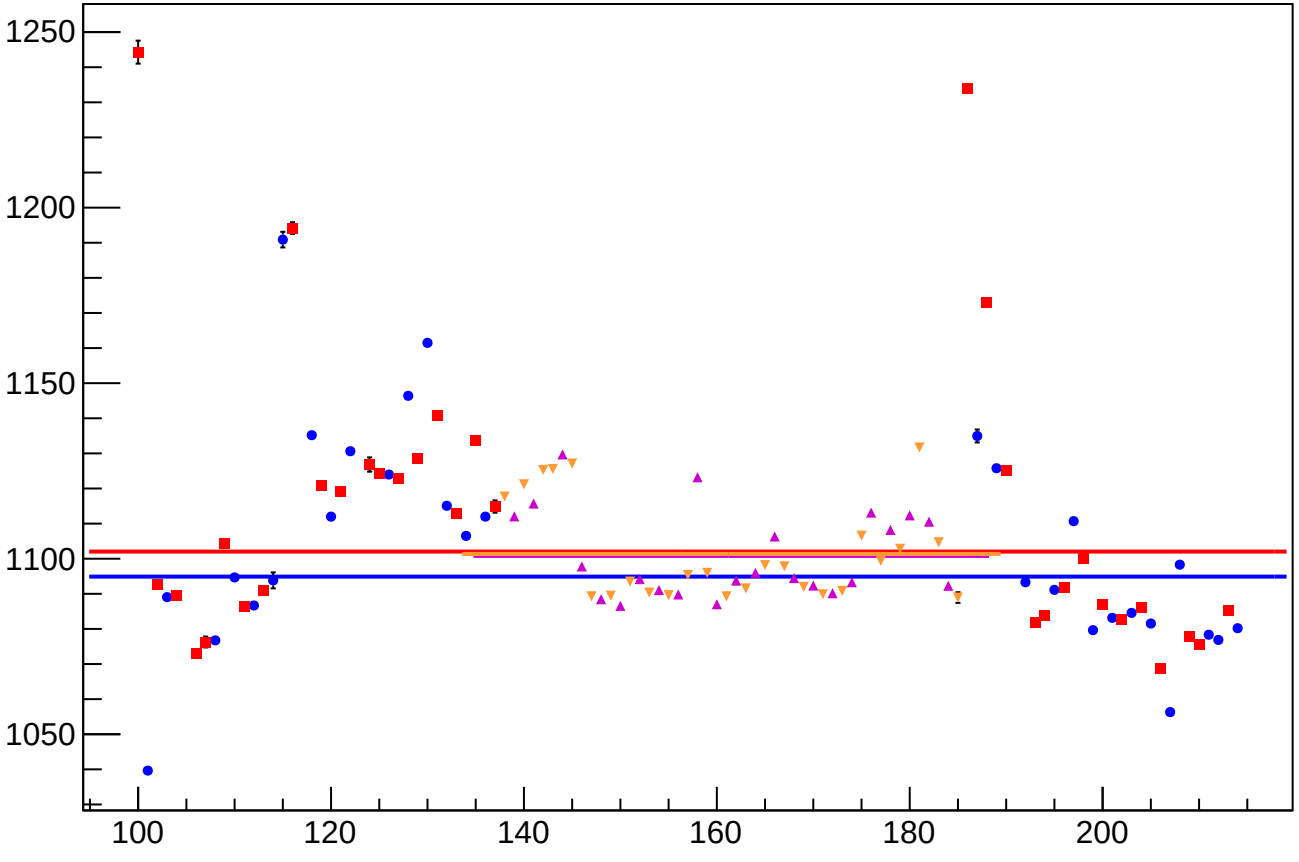
Right: 2212.786+/-180.271 χ^2/NDF: 43.7/62

In: 2362.303+/-181.276 χ^2/NDF:47.3/52

Out: 2077.352+/-178.311 χ^2/NDF:39.2/57

All: 2217.478+/-127.120 χ^2/NDF: 87.8/110

dit_asym_usr_rms vs Slug, Sign Corrected



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

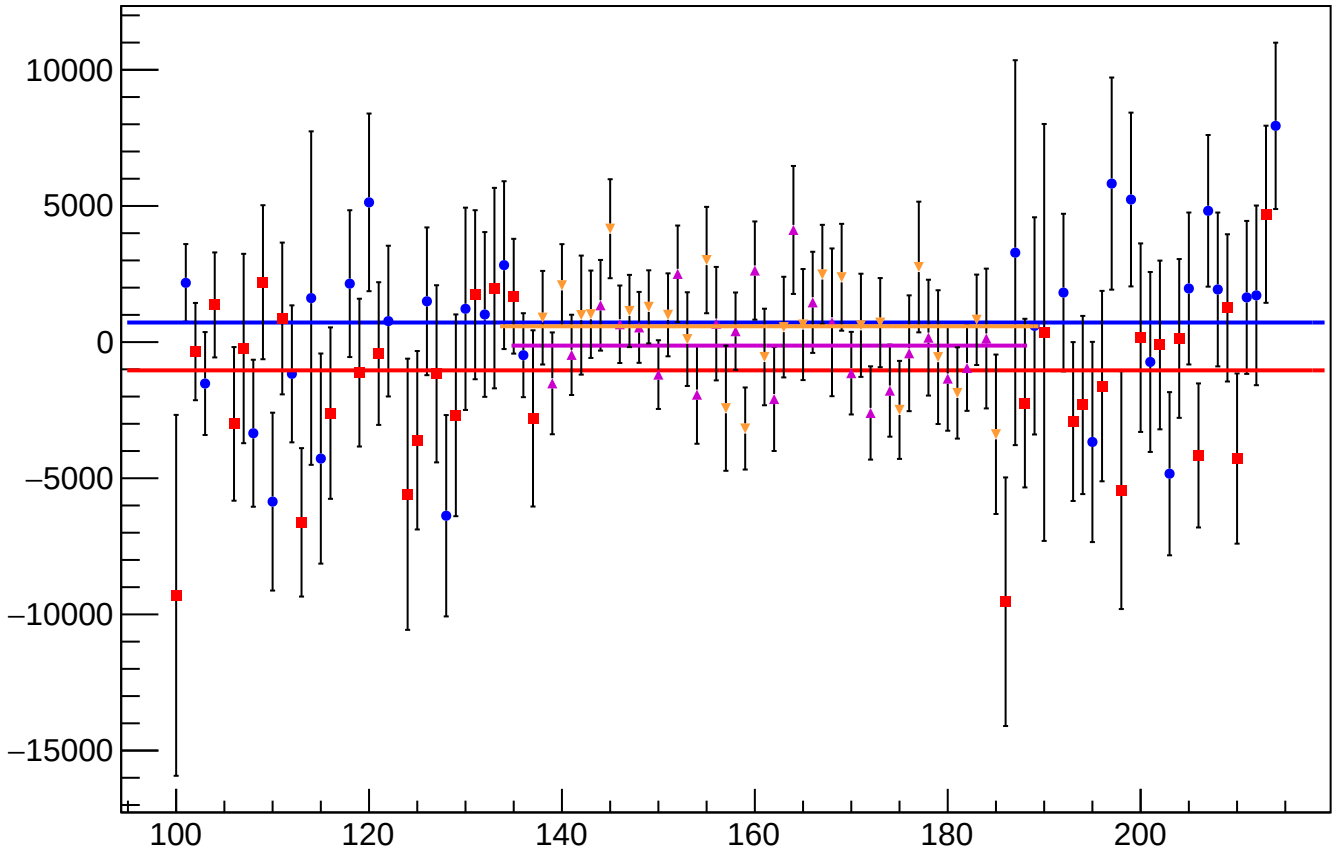
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1098.487+/-0.127 χ^2/NDF: 55382.2/62

In: 1097.831+/-0.128 χ^2/NDF:26427.5/52

Out: 1101.687+/-0.126 χ^2/NDF:39300.2/57

All: 1099.791+/-0.090 χ^2/NDF: 66187.6/110



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

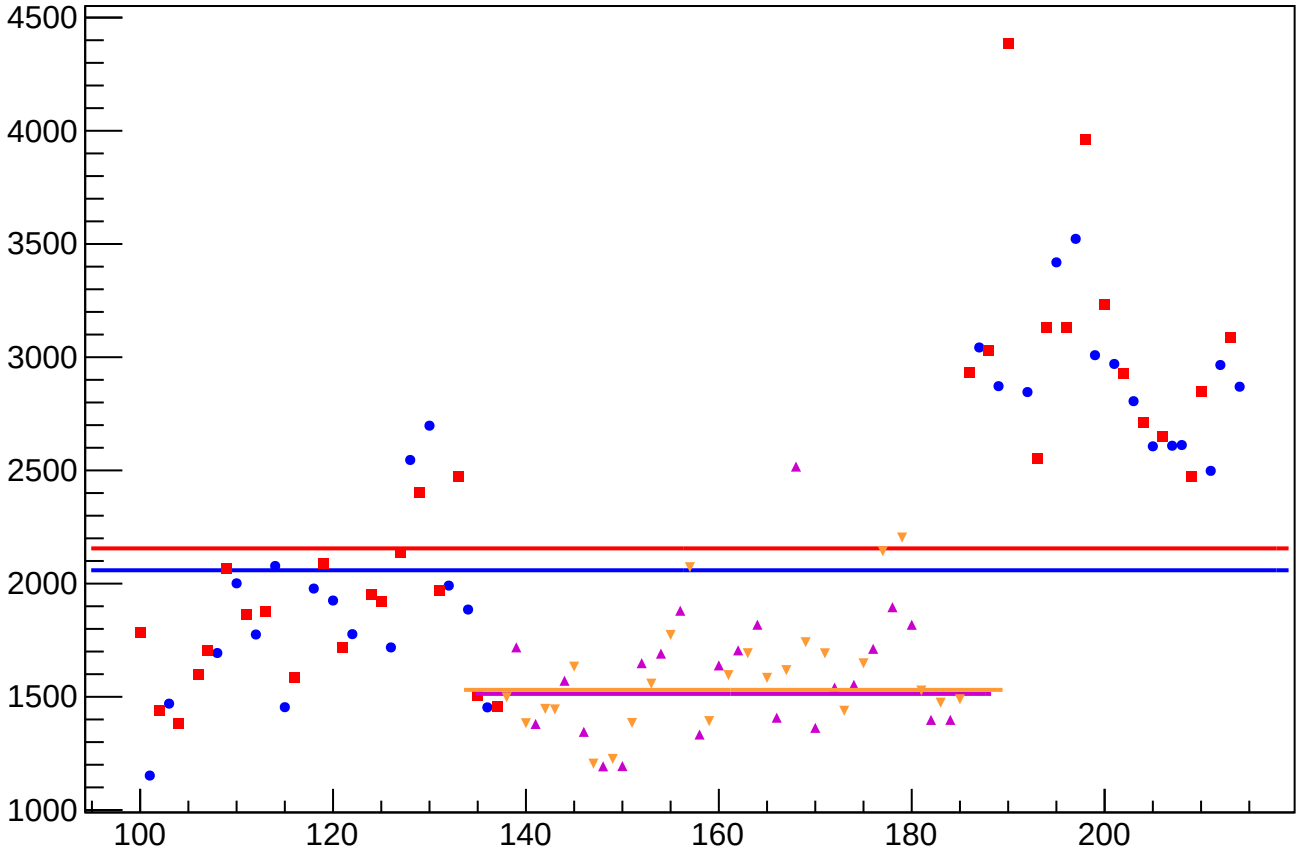
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -134.951+/-363.548 χ^2/NDF: 68.3/62

In: 154.501+/-293.099 χ^2/NDF:55.1/52

Out: 71.688+/-292.519 χ^2/NDF:59.1/57

All: 113.012+/-207.047 χ^2/NDF: 114.2/110



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

Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

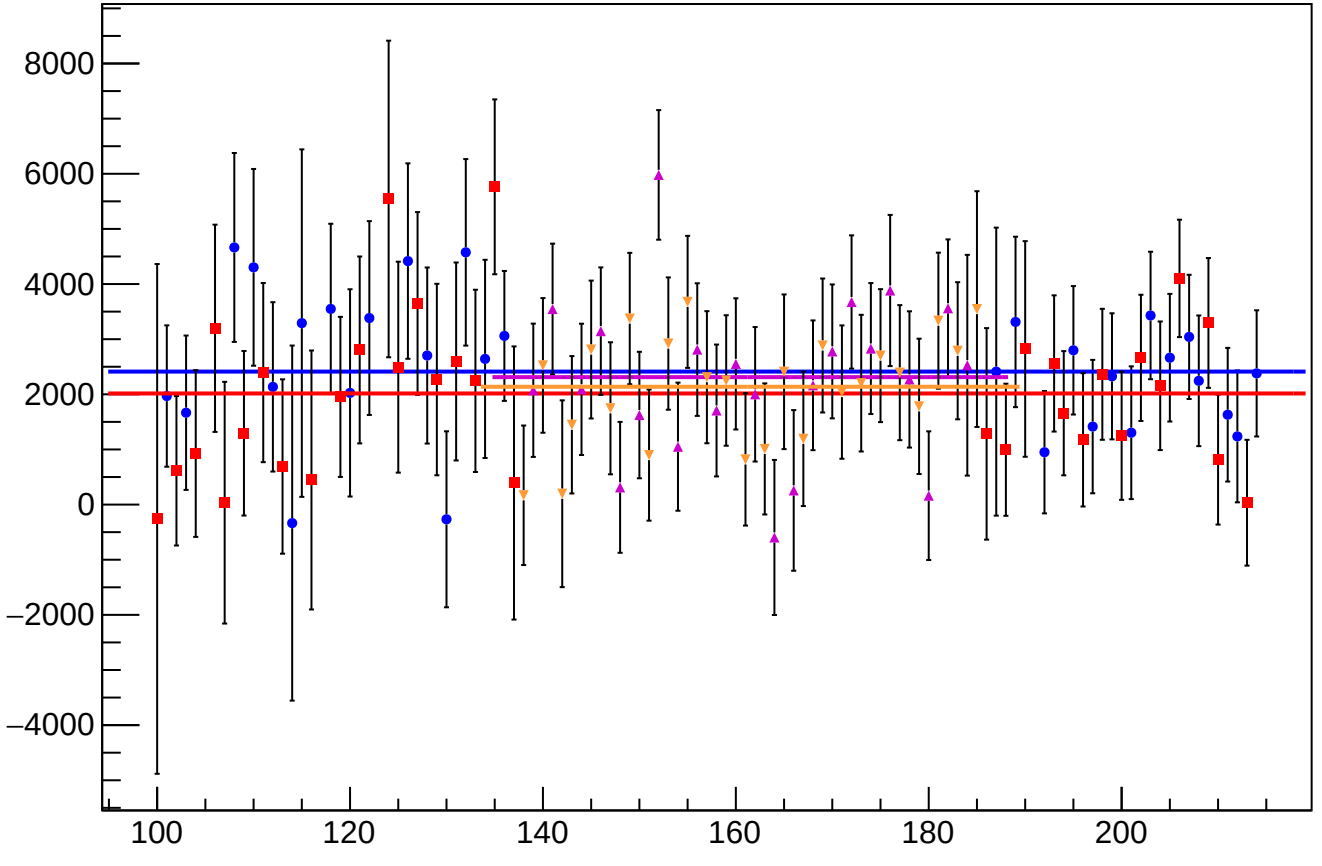
Right: 2105.957+/-0.257 χ^2/NDF: 6578645.4/62

In: 1695.265+/-0.207 χ^2/NDF:5937362.3/52

Out: 1727.484+/-0.207 χ^2/NDF:5870891.5/57

All: 1711.406+/-0.146 χ^2/NDF: 11820361.3/1

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



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

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

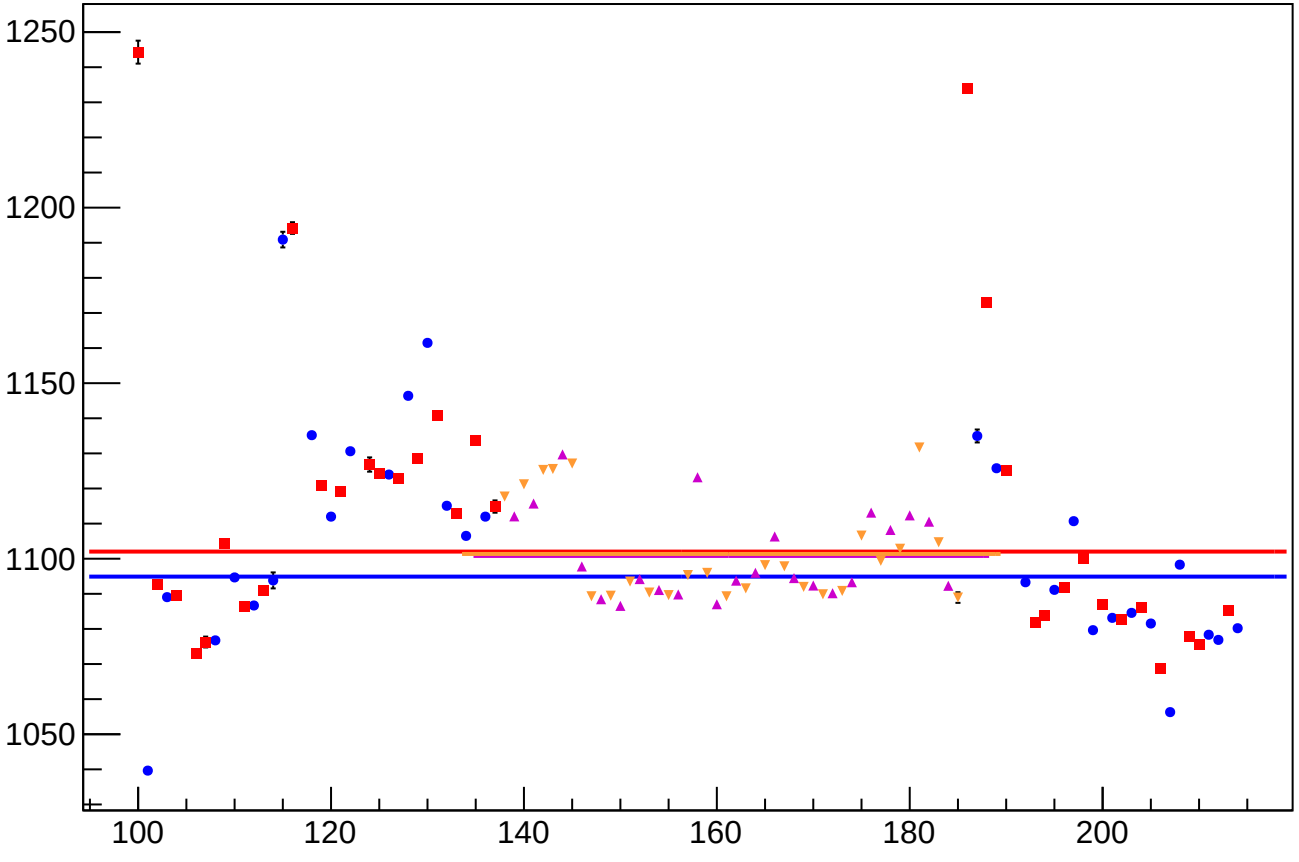
Right: 2212.787+/-180.271 χ^2/NDF: 43.7/62

In: 2362.303+/-181.276 χ^2/NDF:47.3/52

Out: 2077.351+/-178.311 χ^2/NDF:39.2/57

All: 2217.478+/-127.120 χ^2/NDF: 87.8/110

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



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

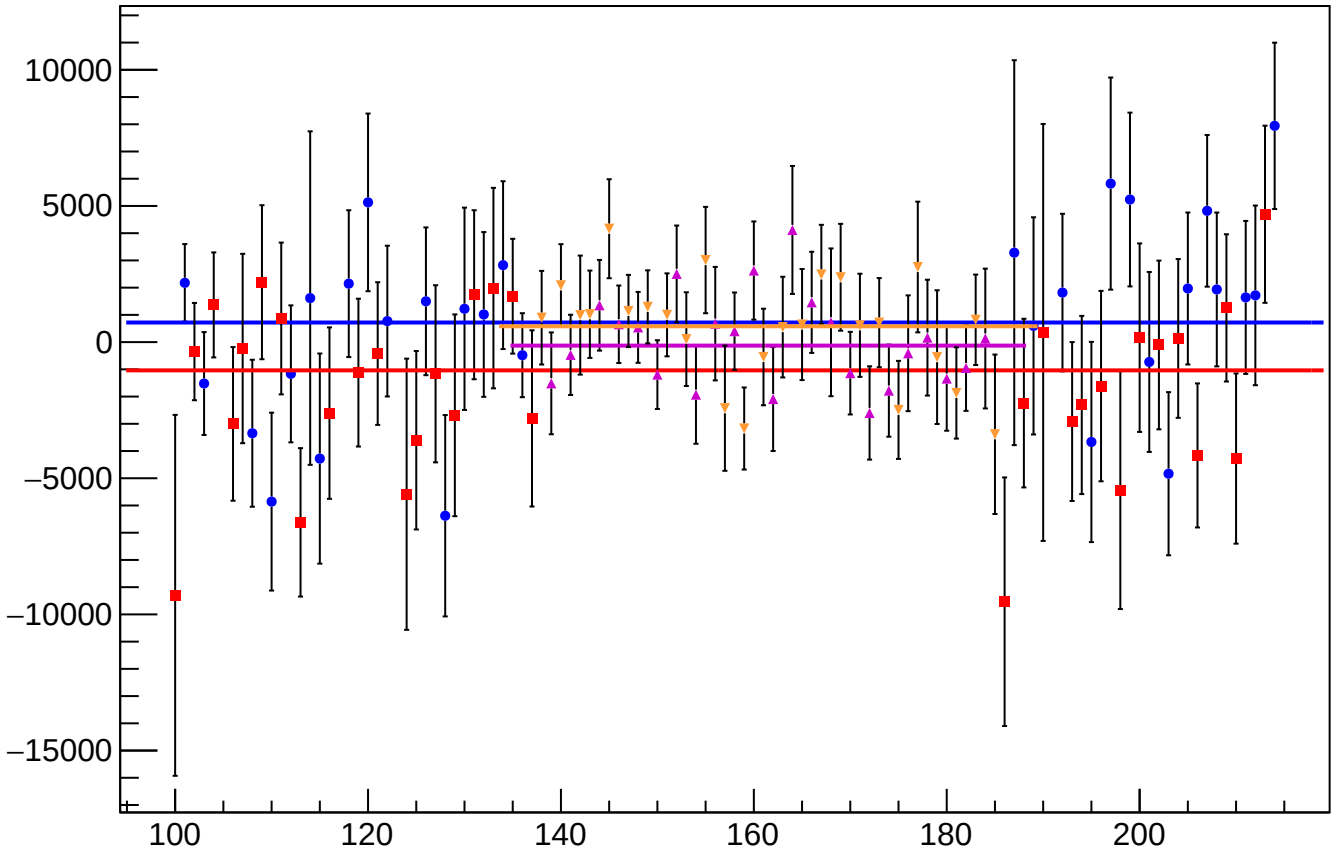
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1098.487+/-0.127 χ^2/NDF: 55382.0/62

In: 1097.831+/-0.128 χ^2/NDF:26427.3/52

Out: 1101.687+/-0.126 χ^2/NDF:39300.1/57

All: 1099.791+/-0.090 χ^2/NDF: 66187.3/110



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

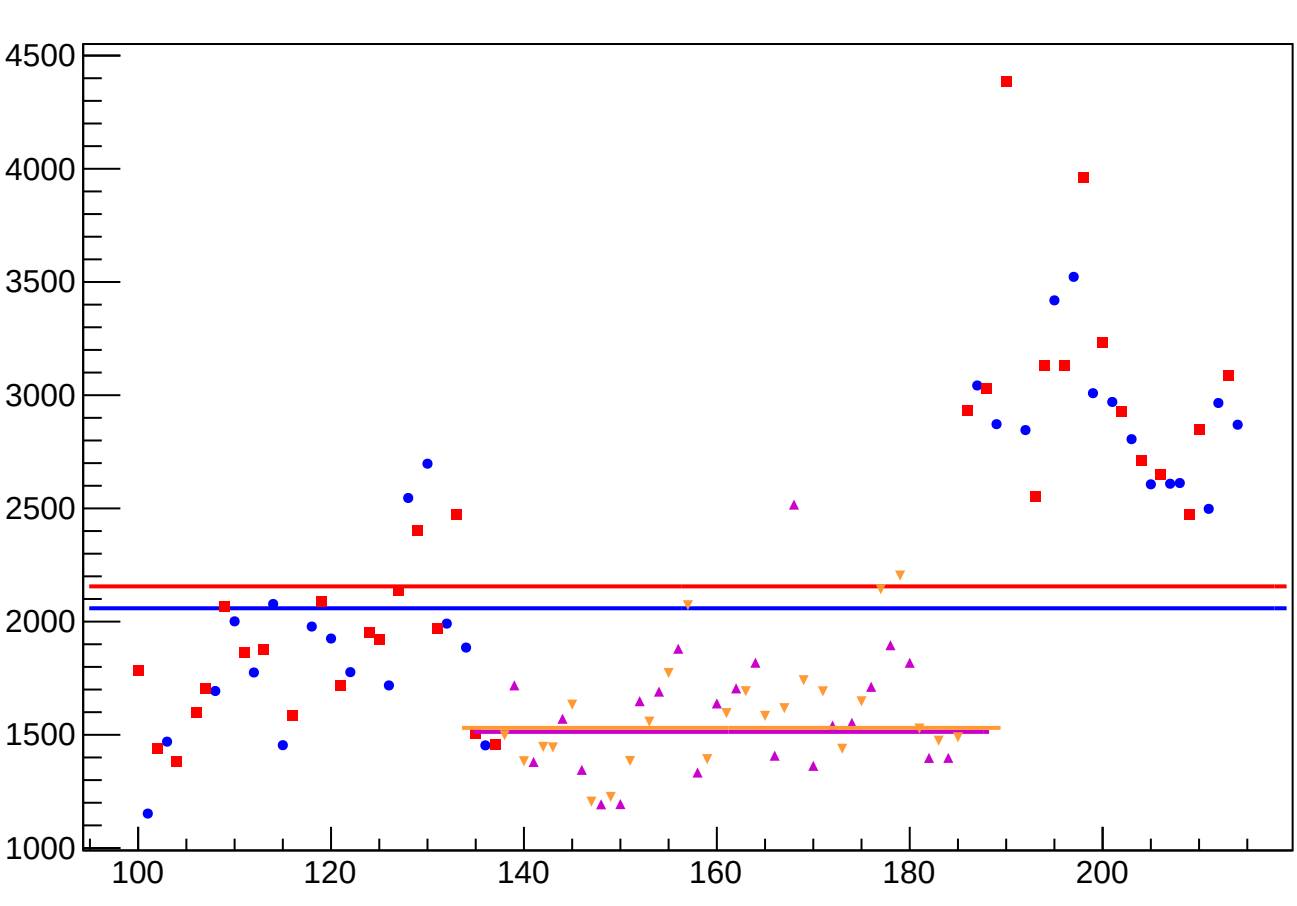
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -134.954+/-363.547 χ^2/NDF: 68.3/62

In: 154.500+/-293.099 χ^2/NDF:55.1/52

Out: 71.685+/-292.519 χ^2/NDF:59.1/57

All: 113.011+/-207.047 χ^2/NDF: 114.2/110



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

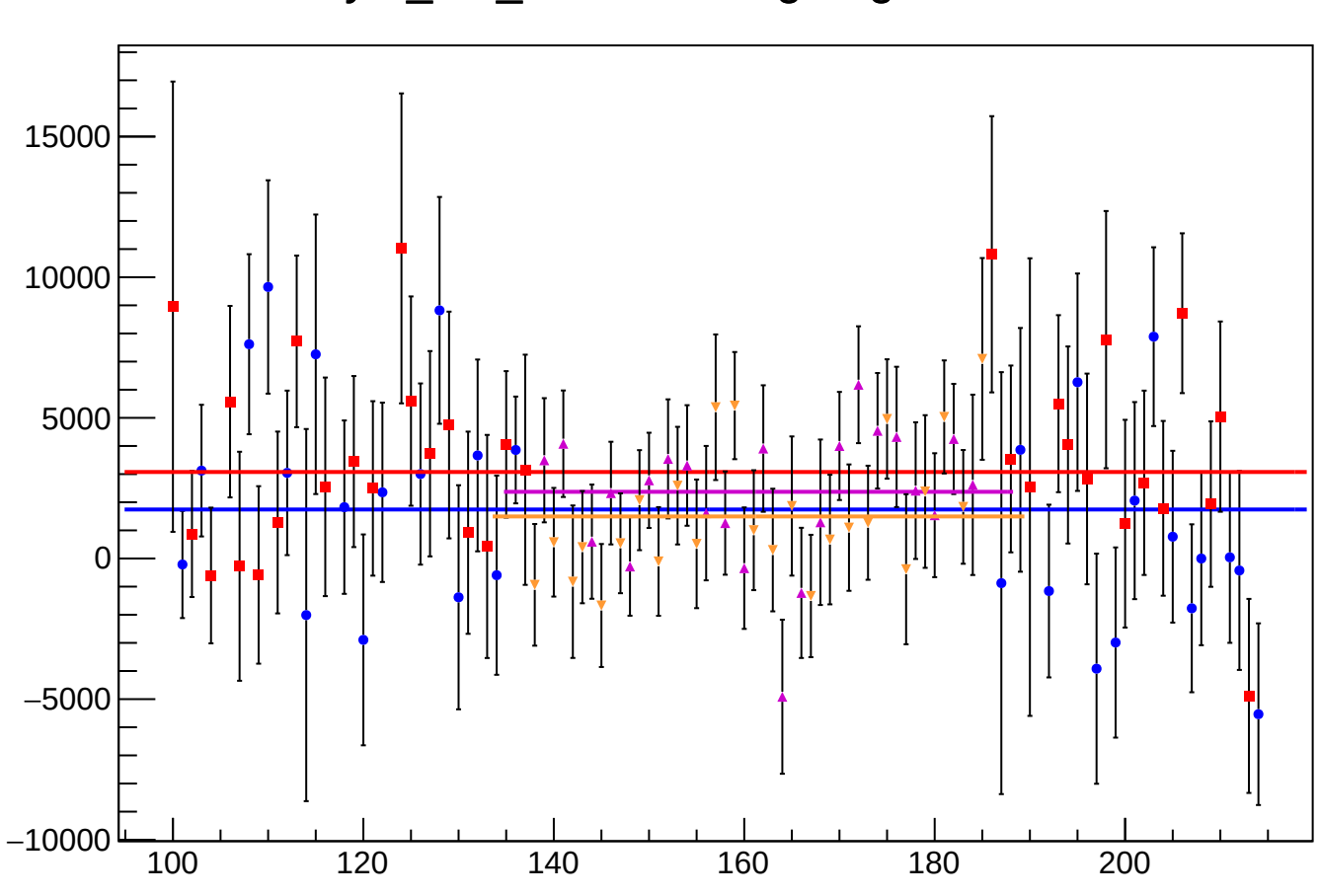
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 2105.956+/-0.257 χ^2/NDF: 6578658.8/62

In: 1695.268+/-0.207 χ^2/NDF:5937350.2/52

Out: 1727.487+/-0.207 χ^2/NDF:5870861.7/57

All: 1711.409+/-0.146 χ^2/NDF: 11820319.7/1



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

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

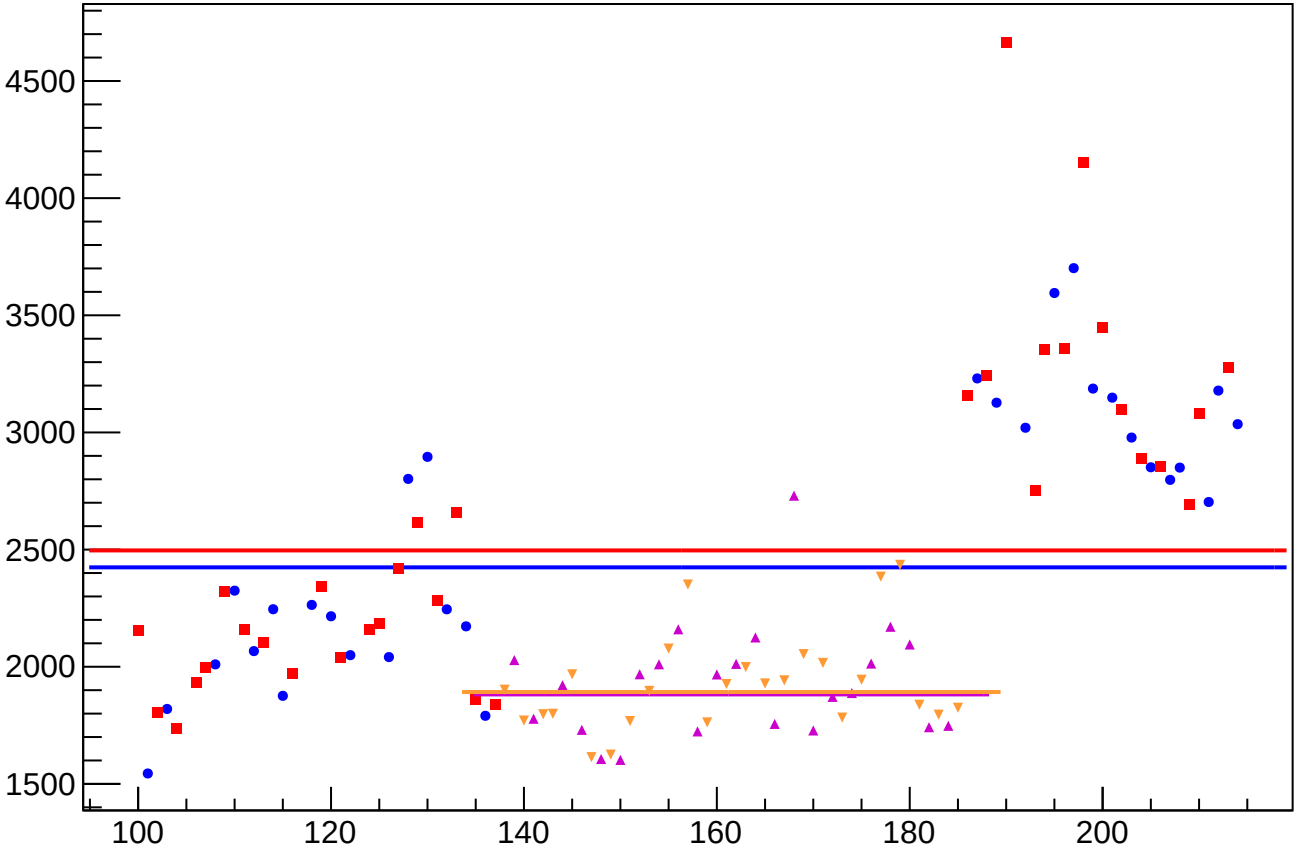
Right: 2398.197+/-416.640 χ^2/NDF: 65.9/62

In: 2141.473+/-353.069 χ^2/NDF:60.5/52

Out: 2043.773+/-349.979 χ^2/NDF:55.6/57

All: 2092.194+/-248.558 χ^2/NDF: 116.2/110

asym_usr_rms vs Slug, Sign Corrected



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

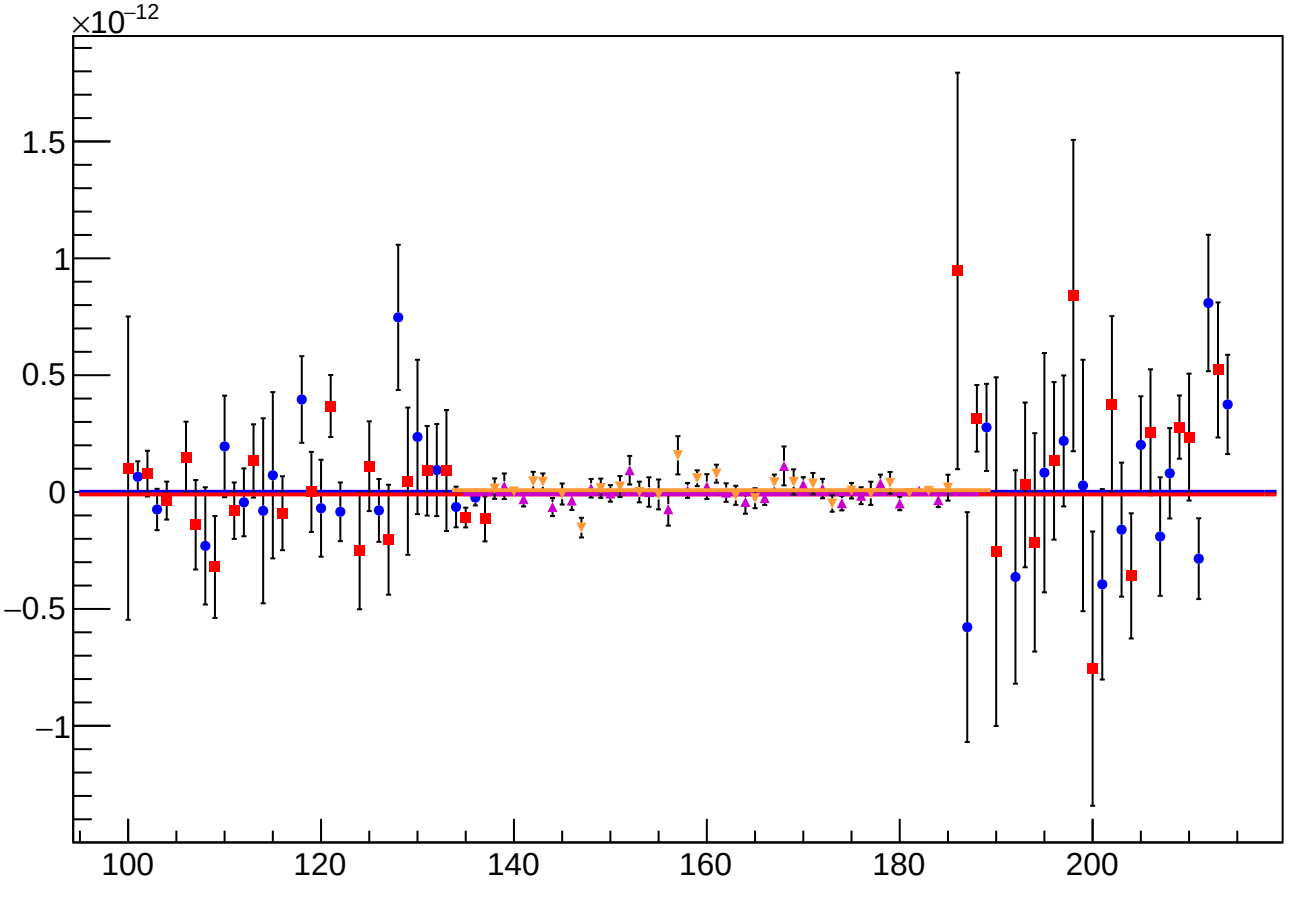
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2459.785+/-0.295 χ^2/NDF: 4128402.0/62

In: 2079.660+/-0.250 χ^2/NDF:3623624.8/52

Out: 2102.007+/-0.247 χ^2/NDF:3787259.2/57

All: 2090.932+/-0.176 χ^2/NDF: 7414925.4/11



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

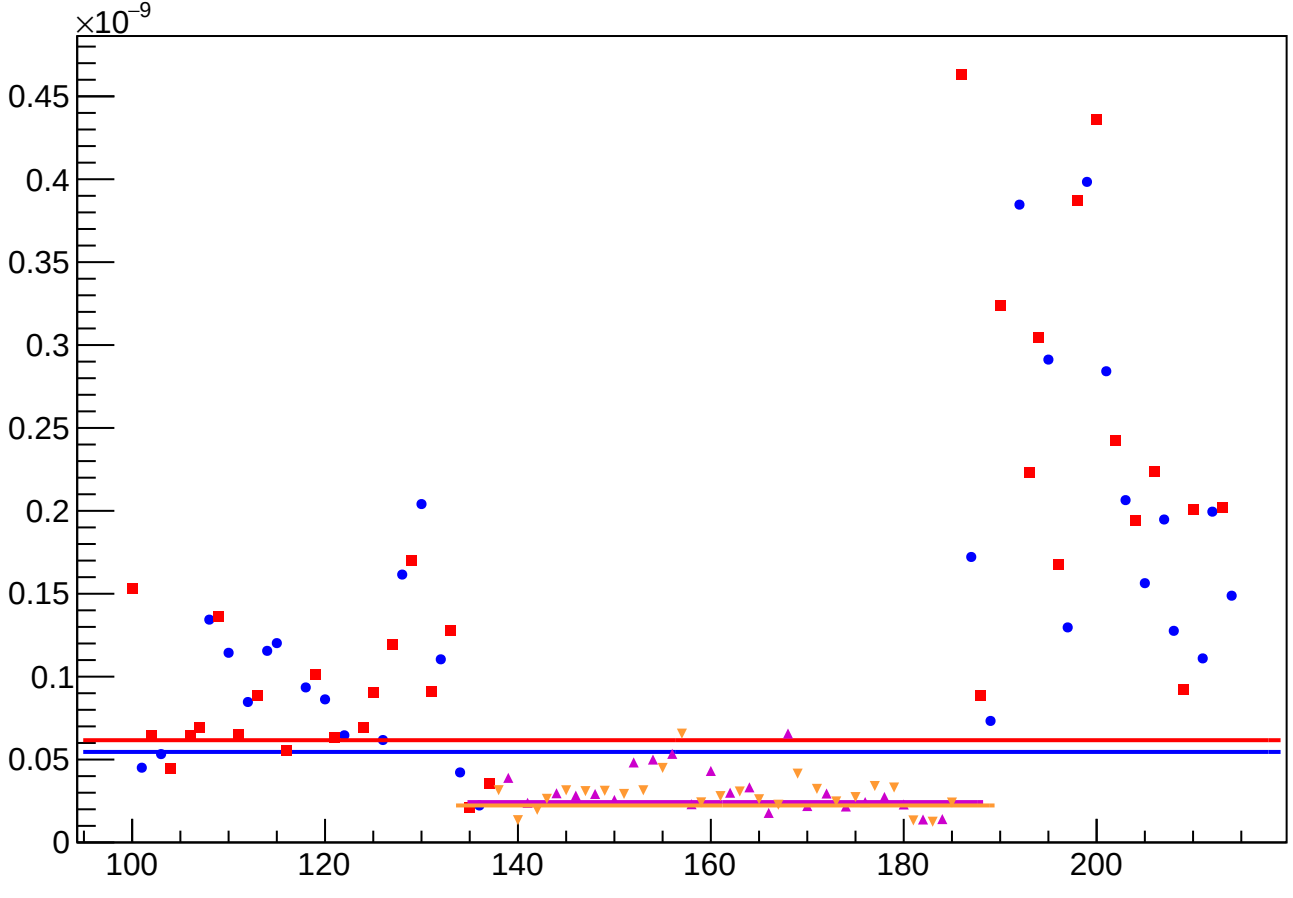
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 83.8/62

In: -0.000+/-0.000 χ^2/NDF:57.1/52

Out: 0.000+/-0.000 χ^2/NDF:78.7/57

All: -0.000+/-0.000 χ^2/NDF: 138.1/110



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

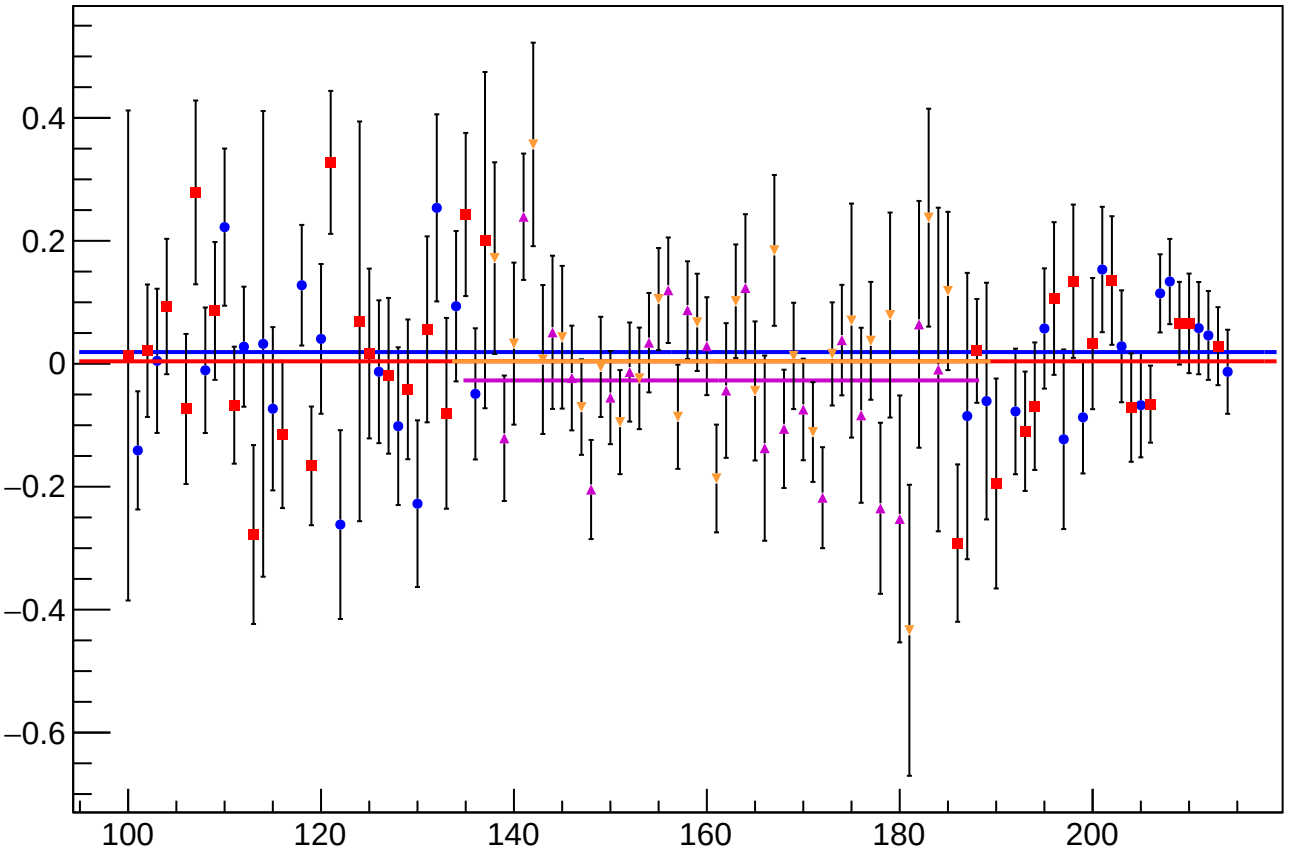
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 18858825.5/62

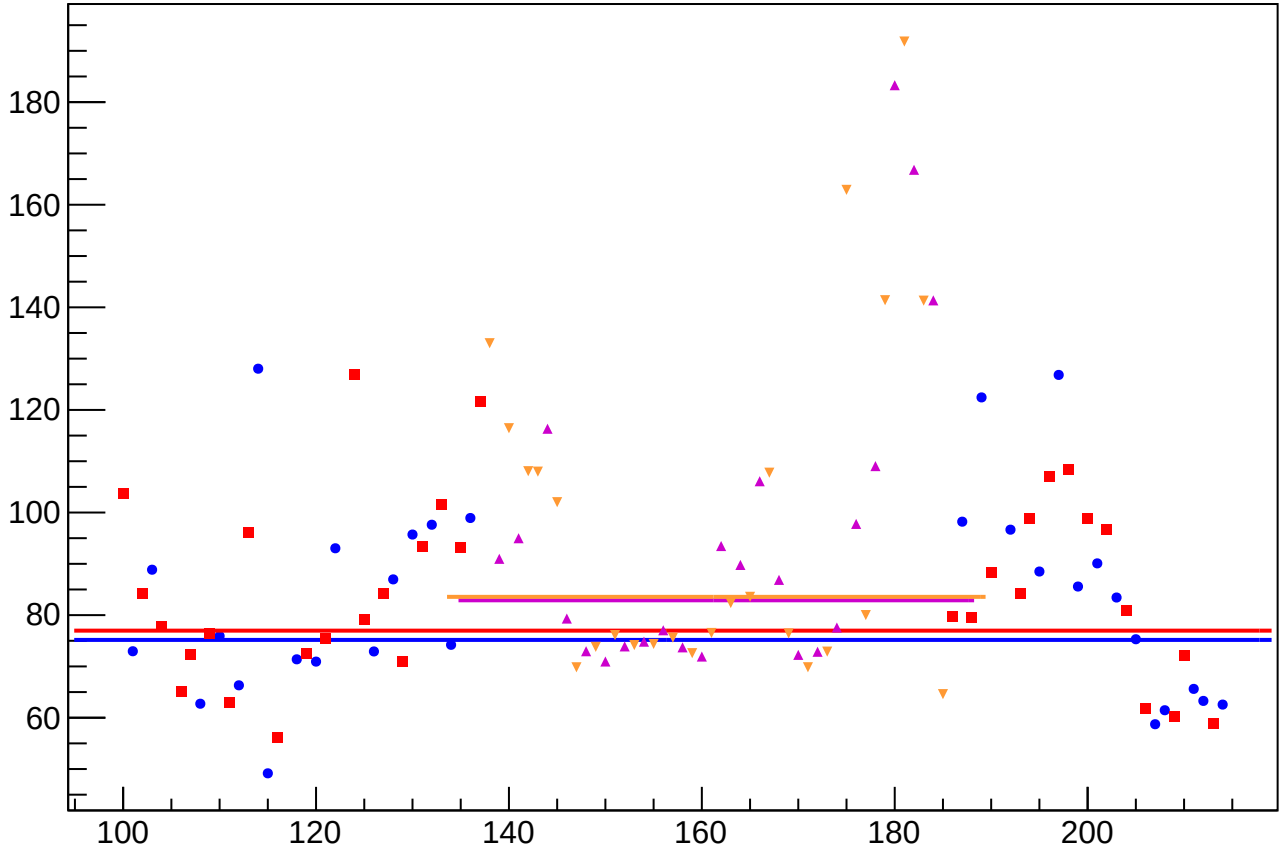
In: 0.000+/-0.000 χ^2/NDF:15966712.7/52

Out: 0.000+/-0.000 χ^2/NDF:17219997.8/57

All: 0.000+/-0.000 χ^2/NDF: 33293711.6/110


asym_usr_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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
Left: -0.011+/-0.014 χ²/NDF: 61.3/47
Right: 0.012+/-0.013 χ²/NDF: 71.5/62
In: -0.002+/-0.014 χ²/NDF:64.8/52
Out: 0.004+/-0.014 χ²/NDF:69.3/57
All: 0.001+/-0.010 χ²/NDF: 134.1/110

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

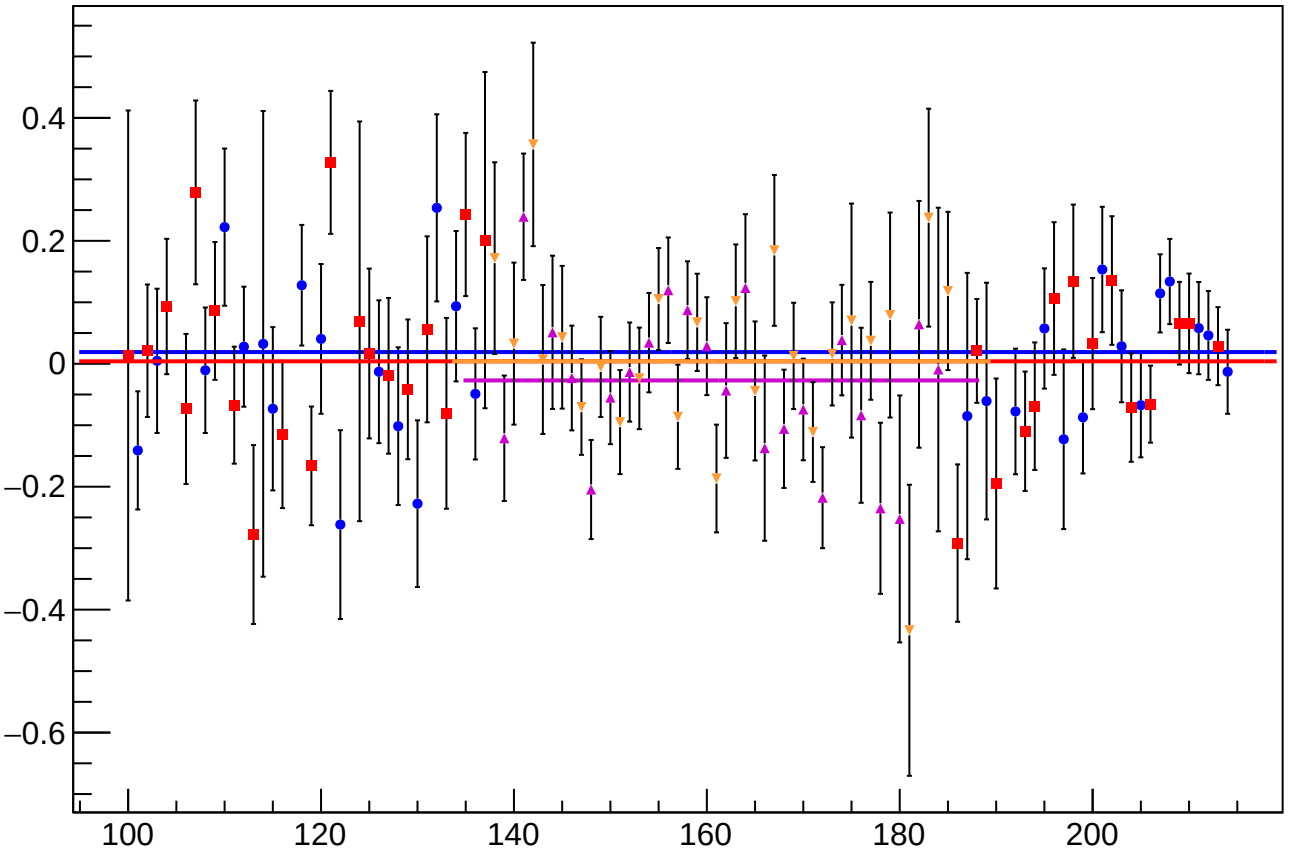
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 76.067+/-0.009 χ^2/NDF: 2729823.1/62

In: 78.631+/-0.010 χ^2/NDF:3125028.1/52

Out: 79.989+/-0.010 χ^2/NDF:3611343.8/57

All: 79.311+/-0.007 χ^2/NDF: 6746131.3/110



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

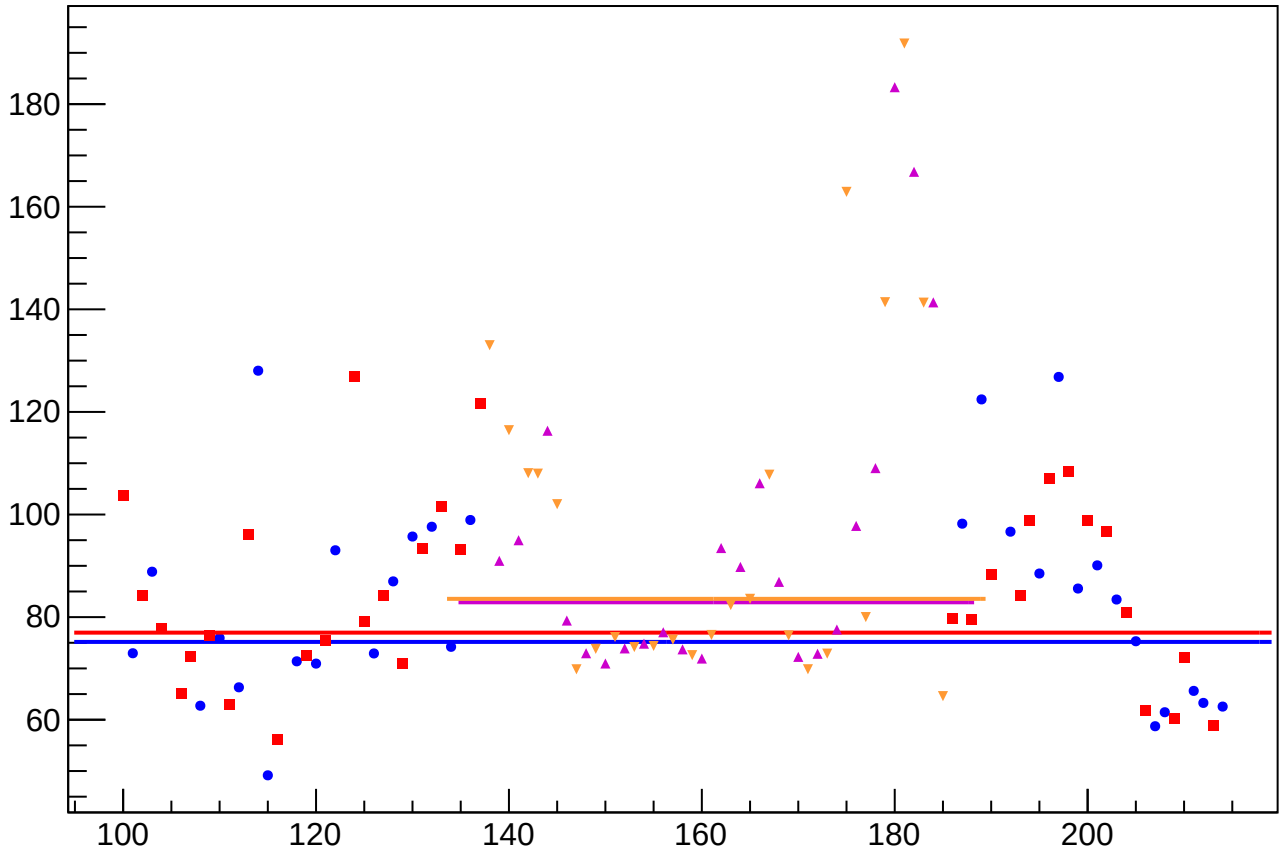
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.012+/-0.013 χ^2/NDF: 71.5/62

In: -0.002+/-0.014 χ^2/NDF:64.8/52

Out: 0.004+/-0.014 χ^2/NDF:69.3/57

All: 0.001+/-0.010 χ^2/NDF: 134.1/110



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

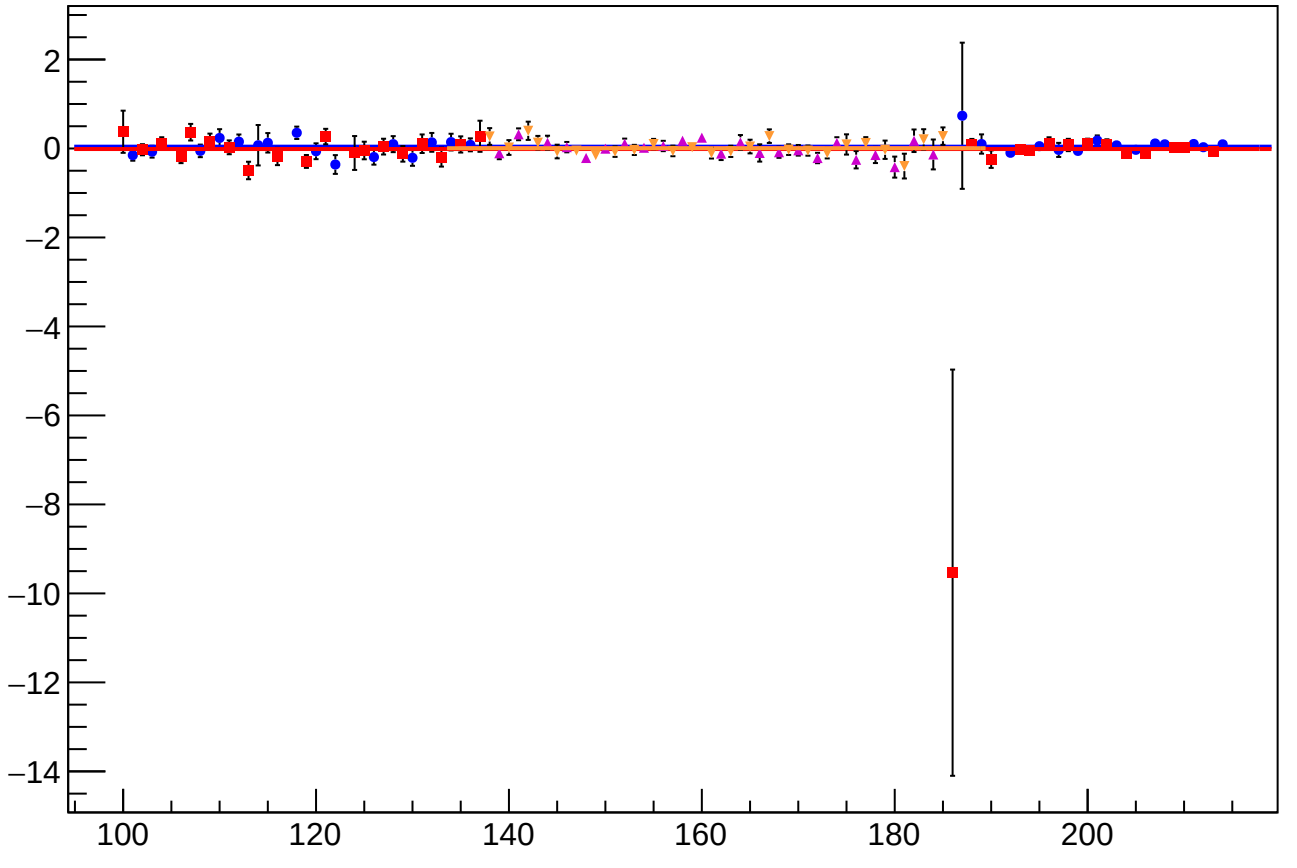
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 76.067+/-0.009 χ^2/NDF: 2729823.1/62

In: 78.631+/-0.010 χ^2/NDF:3125028.1/52

Out: 79.989+/-0.010 χ^2/NDF:3611343.8/57

All: 79.311+/-0.007 χ^2/NDF: 6746131.3/110



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

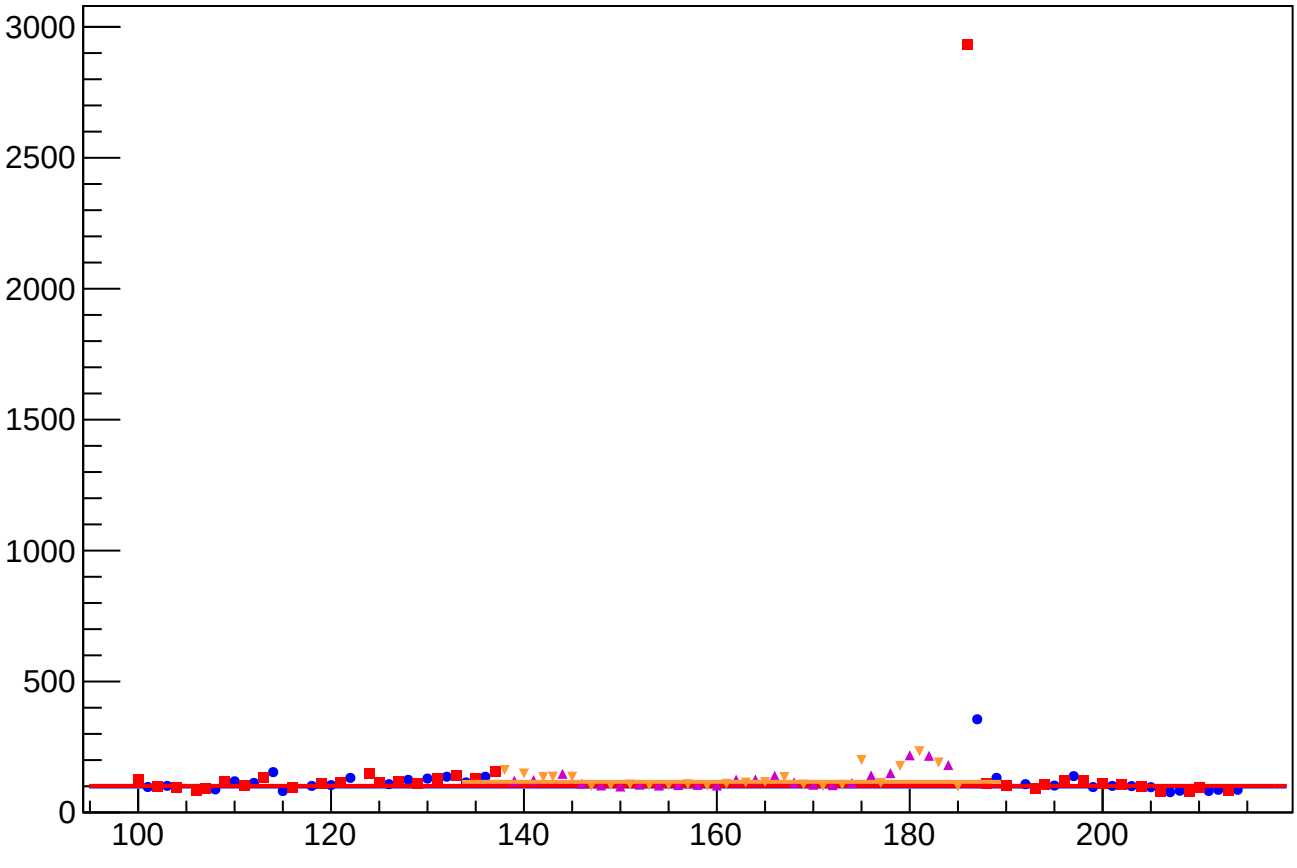
Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

Right: 0.015+/-0.017 χ^2/NDF: 63.9/62

In: 0.028+/-0.018 χ^2/NDF:57.2/52

Out: -0.004+/-0.018 χ^2/NDF:57.9/57

All: 0.012+/-0.013 χ^2/NDF: 116.6/110



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

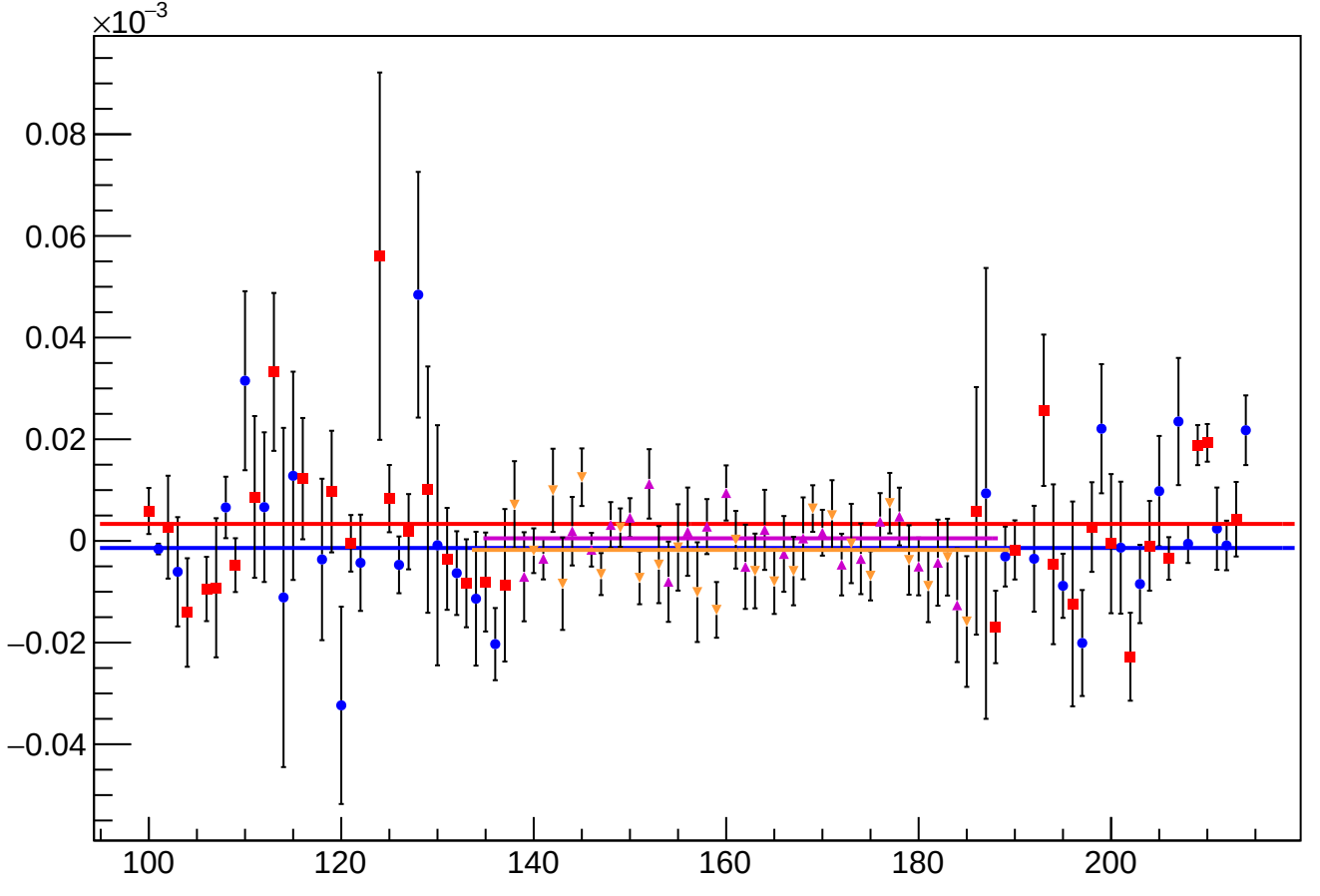
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 100.284+/-0.012 χ^2/NDF: 2657495.8/62

In: 106.189+/-0.013 χ^2/NDF:2660855.6/52

Out: 108.214+/-0.013 χ^2/NDF:3569536.9/57

All: 107.200+/-0.009 χ^2/NDF: 6242588.9/110



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

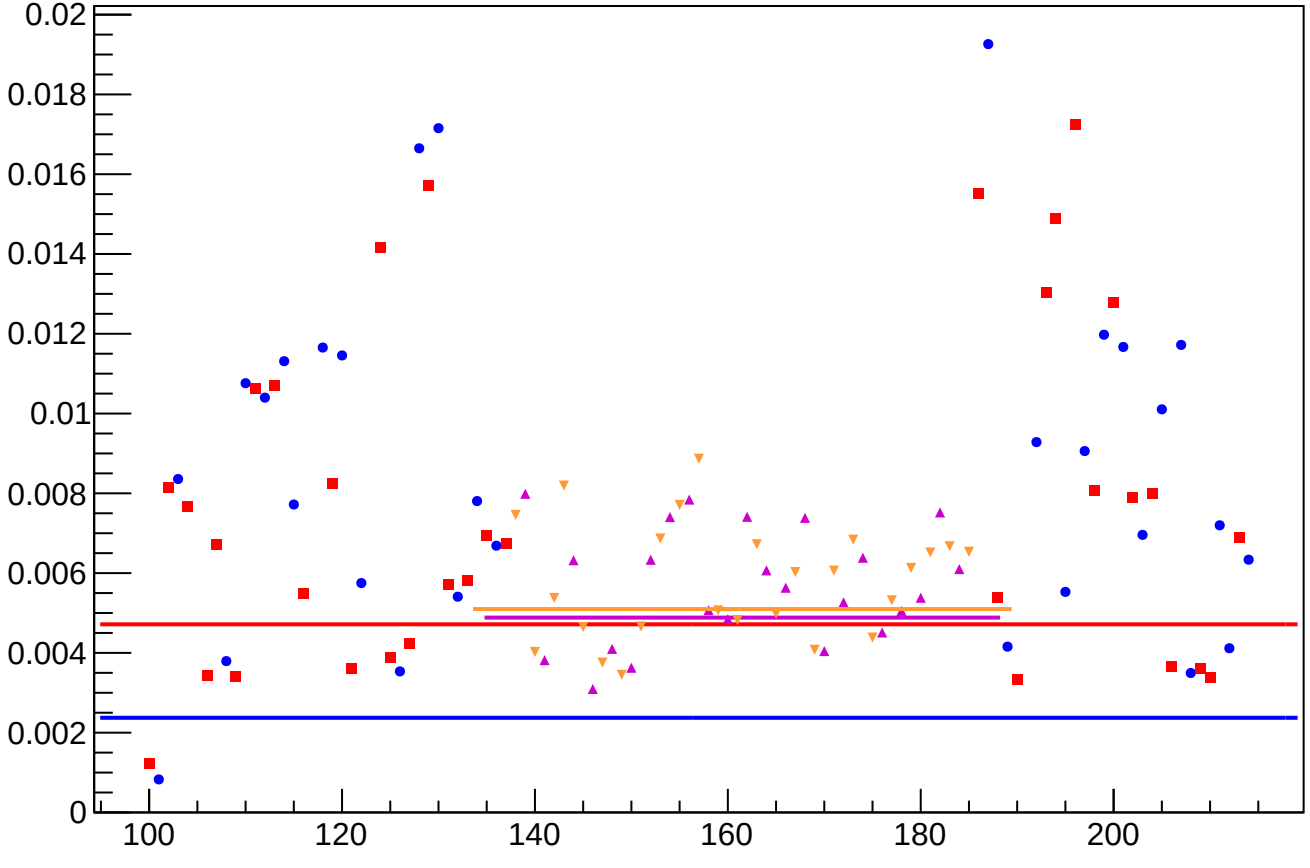
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: 0.000+/-0.000 χ^2/NDF: 137.2/62

In: -0.000+/-0.000 χ^2/NDF:64.6/52

Out: 0.000+/-0.000 χ^2/NDF:120.0/57

All: -0.000+/-0.000 χ^2/NDF: 186.0/110



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

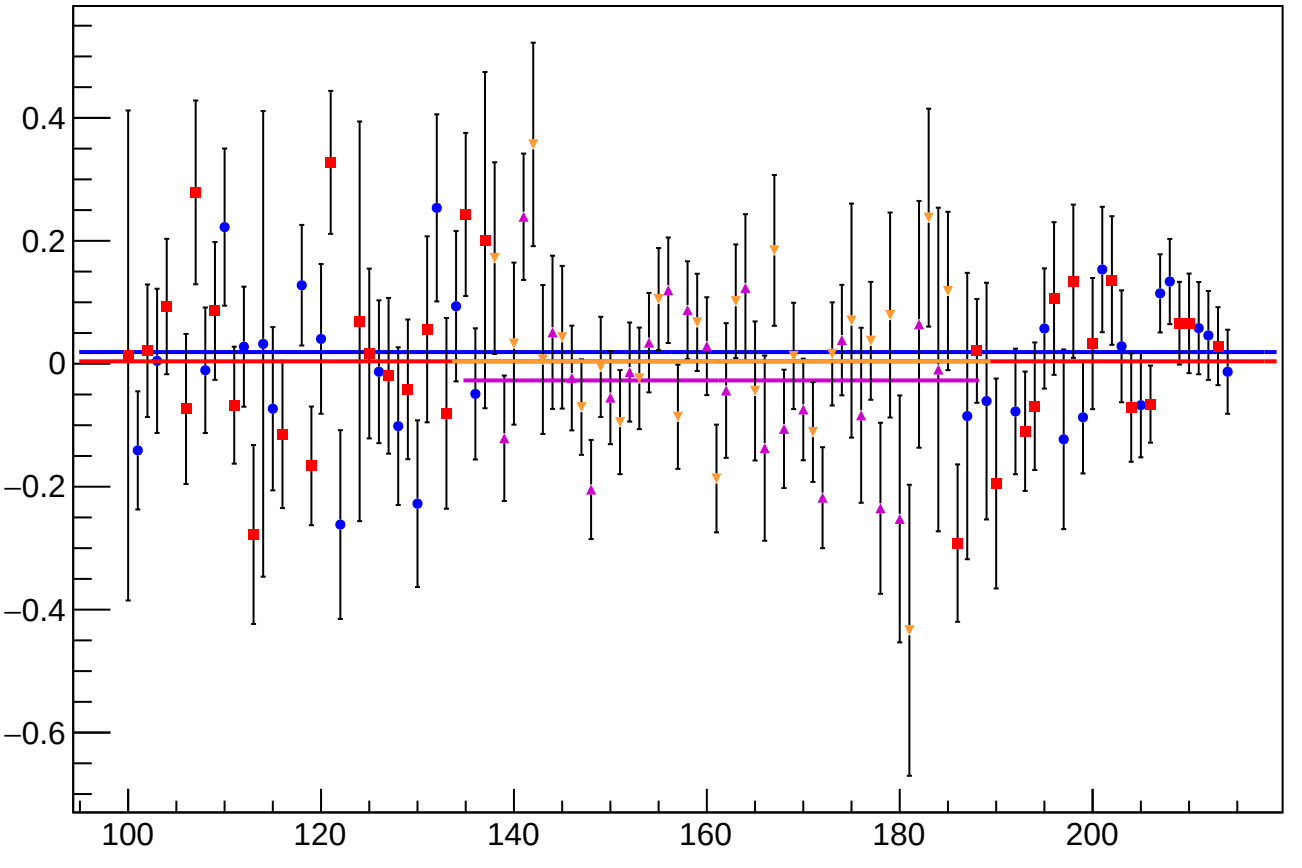
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 33148368.4/62

In: 0.003+/-0.000 χ^2/NDF:28723475.1/52

Out: 0.005+/-0.000 χ^2/NDF:10919891.8/57

All: 0.004+/-0.000 χ^2/NDF: 44040366.4/110



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

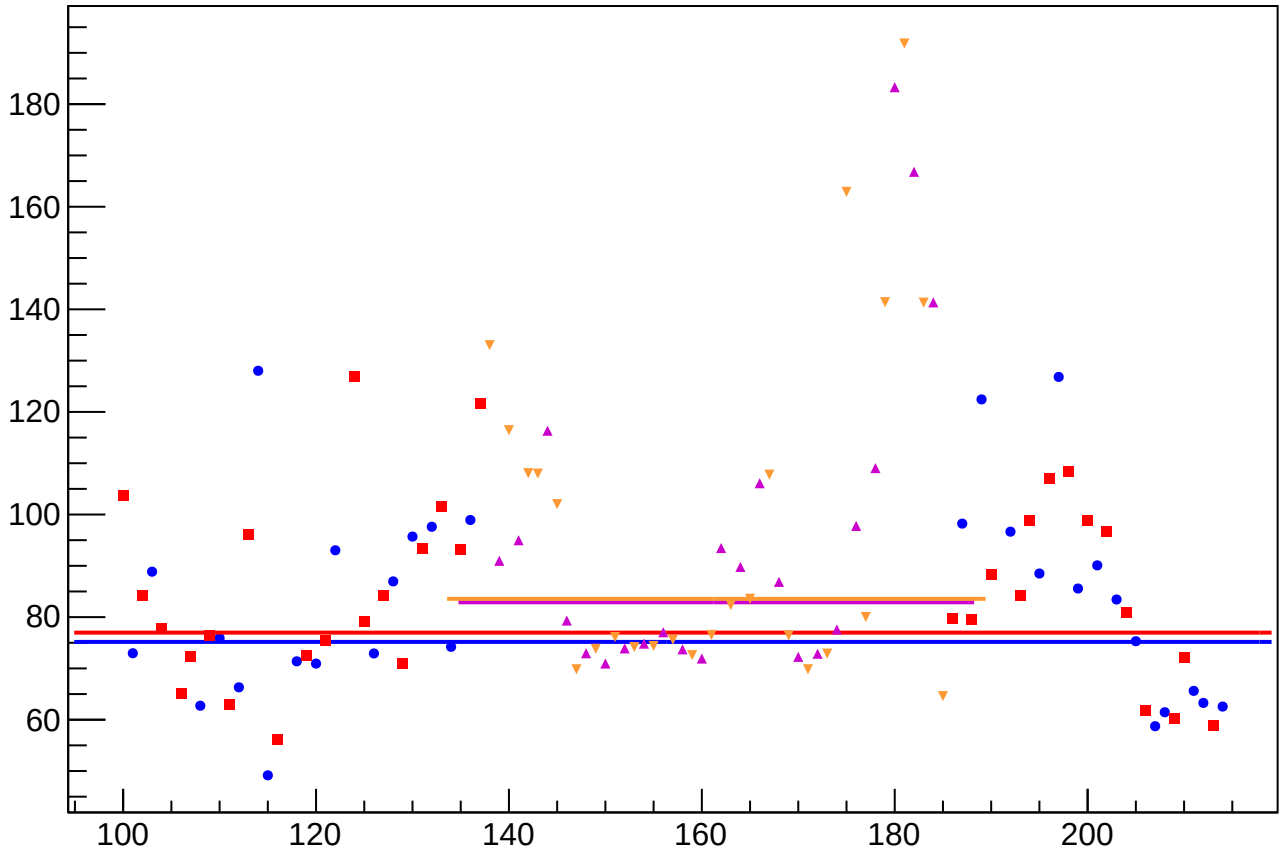
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.012+/-0.013 χ^2/NDF: 71.5/62

In: -0.002+/-0.014 χ^2/NDF:64.8/52

Out: 0.004+/-0.014 χ^2/NDF:69.3/57

All: 0.001+/-0.010 χ^2/NDF: 134.1/110



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

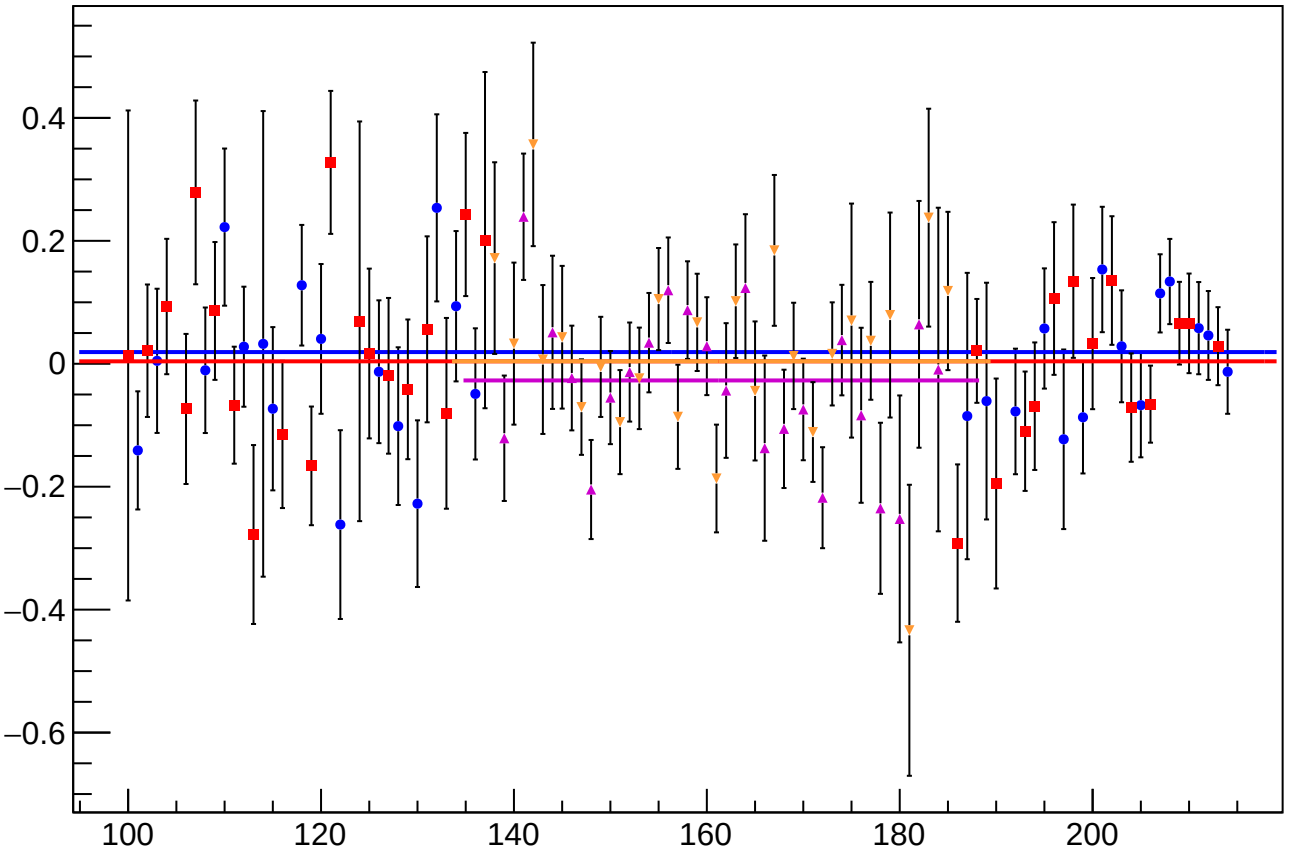
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 76.067+/-0.009 χ^2/NDF: 2729619.5/62

In: 78.631+/-0.010 χ^2/NDF:3124882.0/52

Out: 79.989+/-0.010 χ^2/NDF:3611305.7/57

All: 79.312+/-0.007 χ^2/NDF: 6745940.8/110



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

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

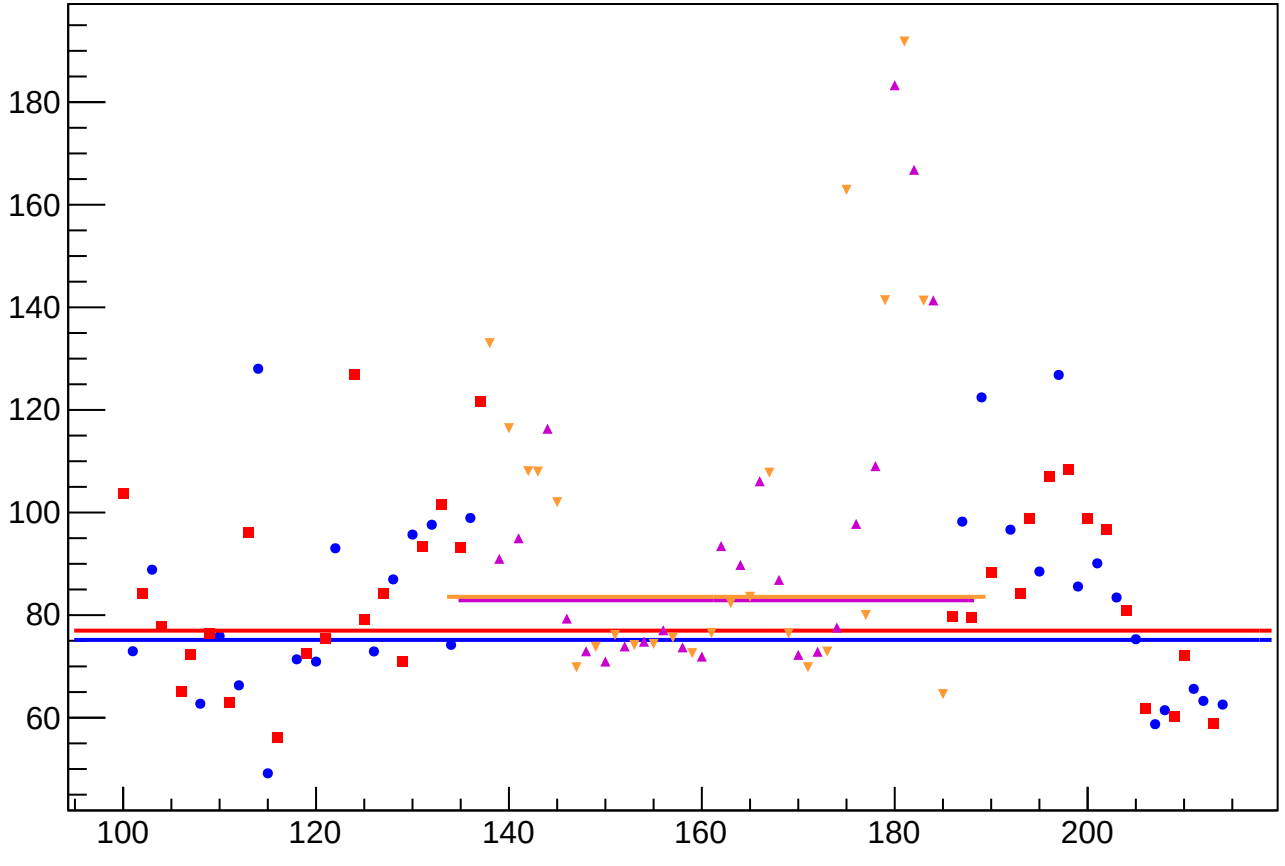
Right: 0.012+/-0.013 χ^2/NDF: 71.5/62

In: -0.002+/-0.014 χ^2/NDF:64.8/52

Out: 0.004+/-0.014 χ^2/NDF:69.3/57

All: 0.001+/-0.010 χ^2/NDF: 134.1/110

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

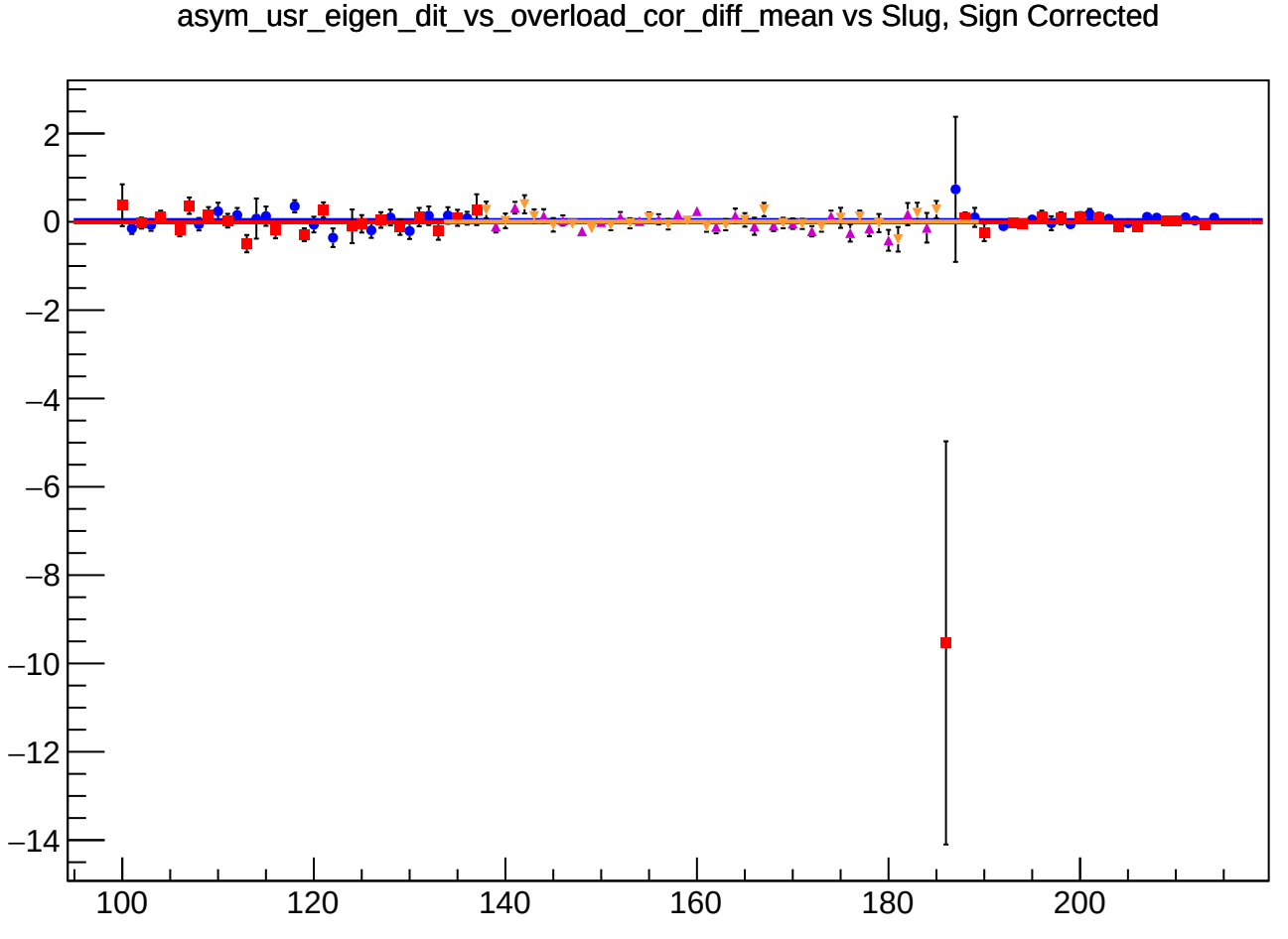
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 76.067+/-0.009 χ^2/NDF: 2729619.5/62

In: 78.631+/-0.010 χ^2/NDF:3124882.0/52

Out: 79.989+/-0.010 χ^2/NDF:3611305.7/57

All: 79.312+/-0.007 χ^2/NDF: 6745940.8/110



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

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

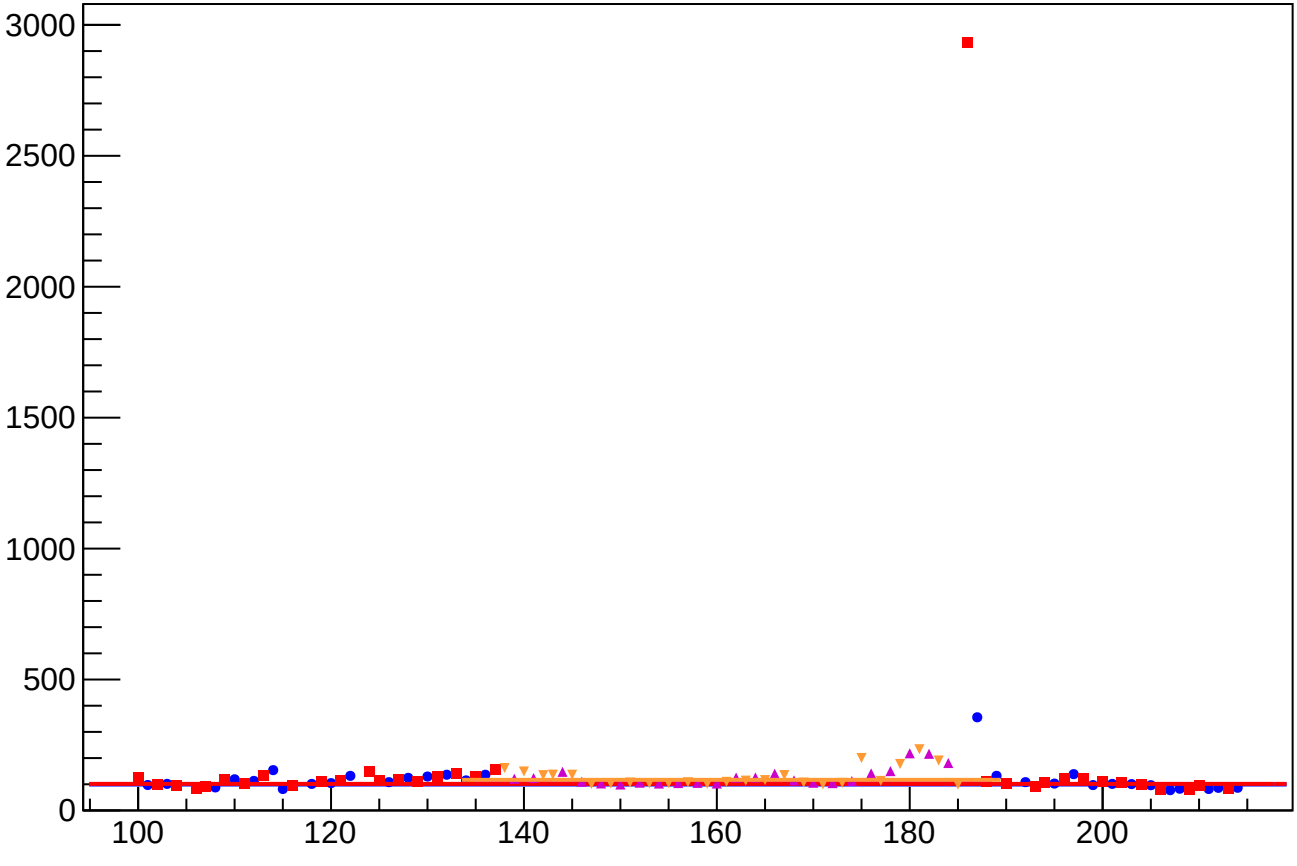
Right: 0.015+/-0.017 χ^2/NDF: 63.9/62

In: 0.028+/-0.018 χ^2/NDF:57.2/52

Out: -0.004+/-0.018 χ^2/NDF:57.9/57

All: 0.012+/-0.013 χ^2/NDF: 116.6/110

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

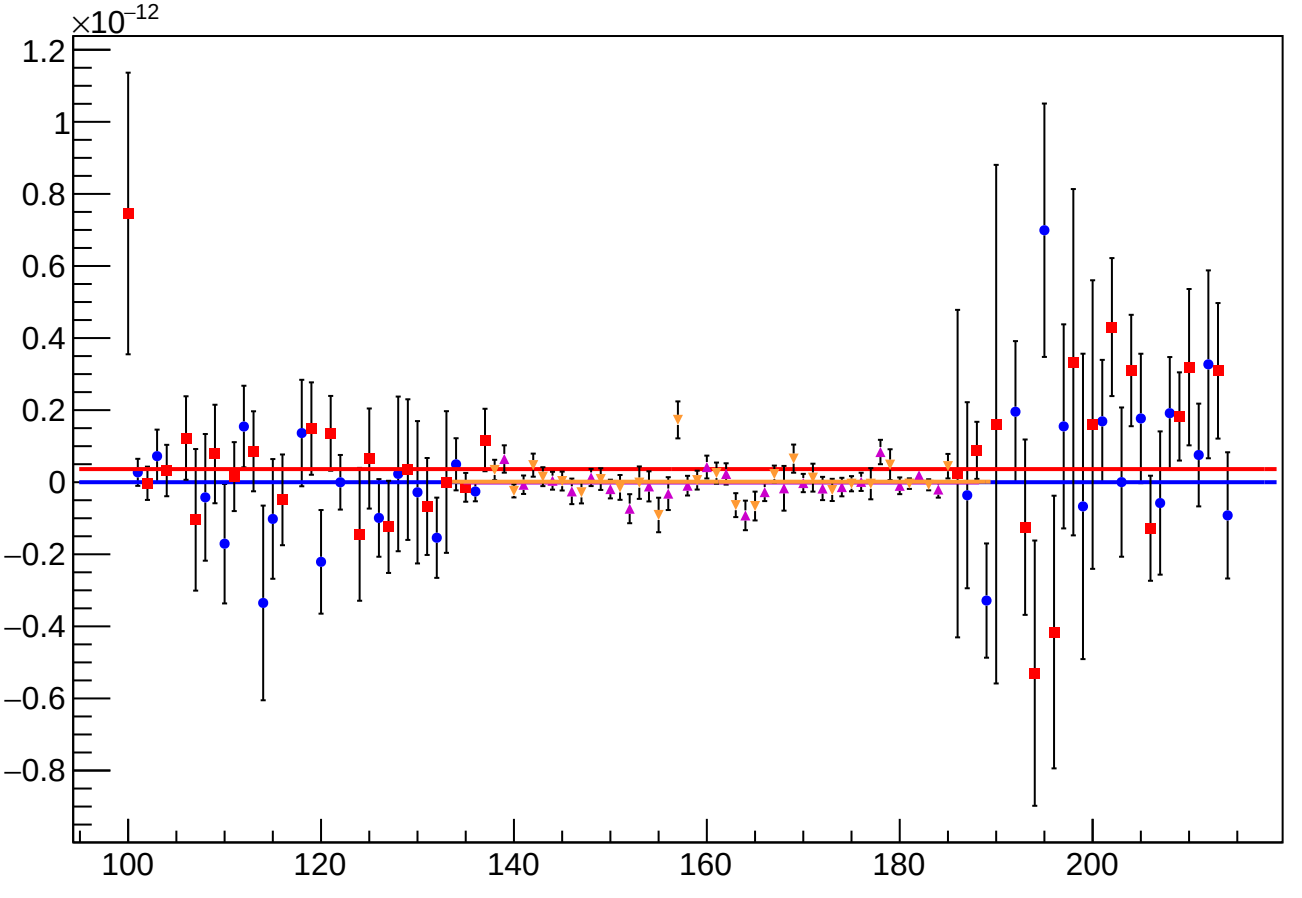
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 100.284+/-0.012 χ^2/NDF: 2657295.6/62

In: 106.190+/-0.013 χ^2/NDF:2660712.2/52

Out: 108.214+/-0.013 χ^2/NDF:3569490.0/57

All: 107.201+/-0.009 χ^2/NDF: 6242394.3/110



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

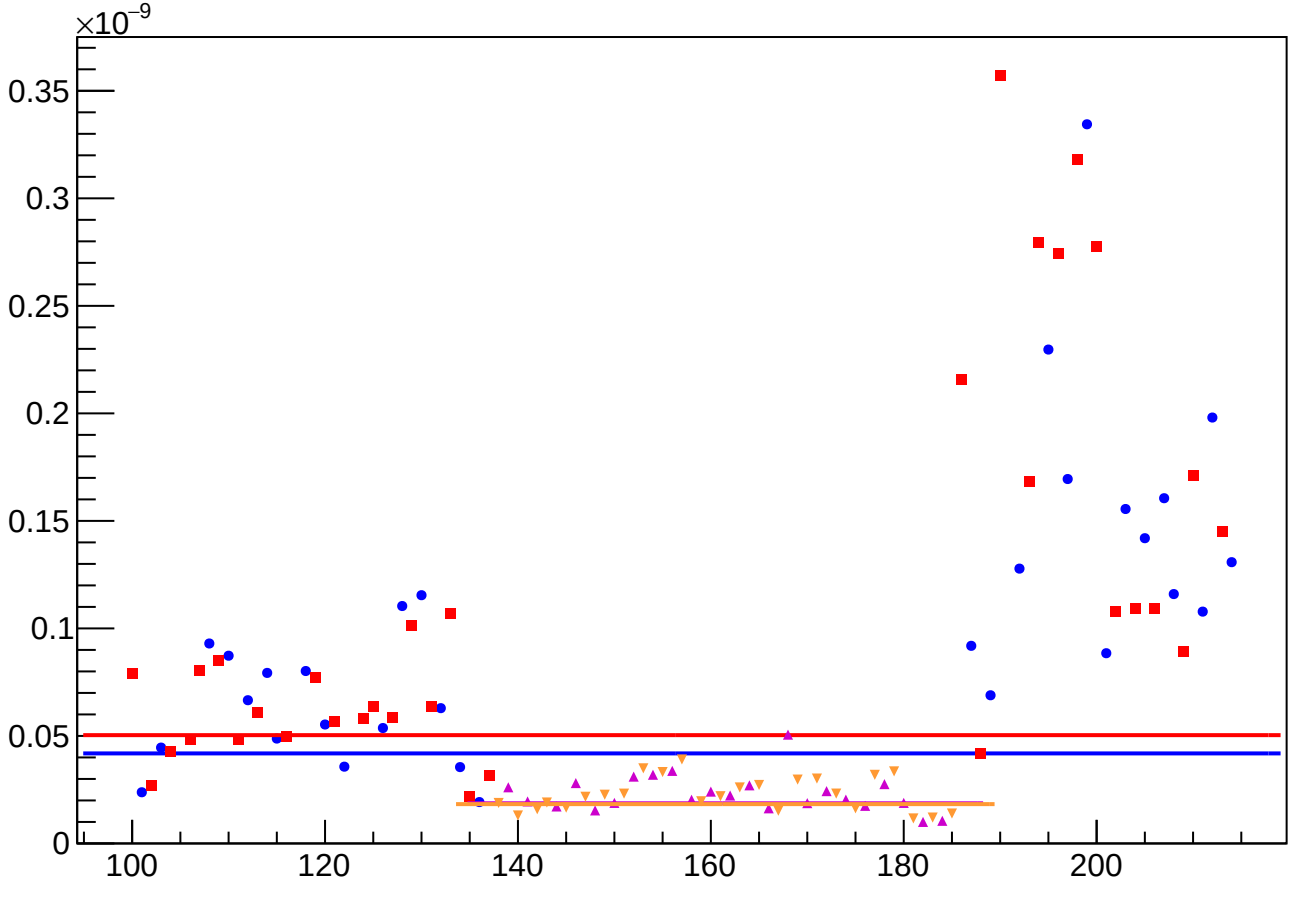
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 63.3/62

In: -0.000+/-0.000 χ^2/NDF:55.8/52

Out: 0.000+/-0.000 χ^2/NDF:71.9/57

All: 0.000+/-0.000 χ^2/NDF: 128.1/110



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

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

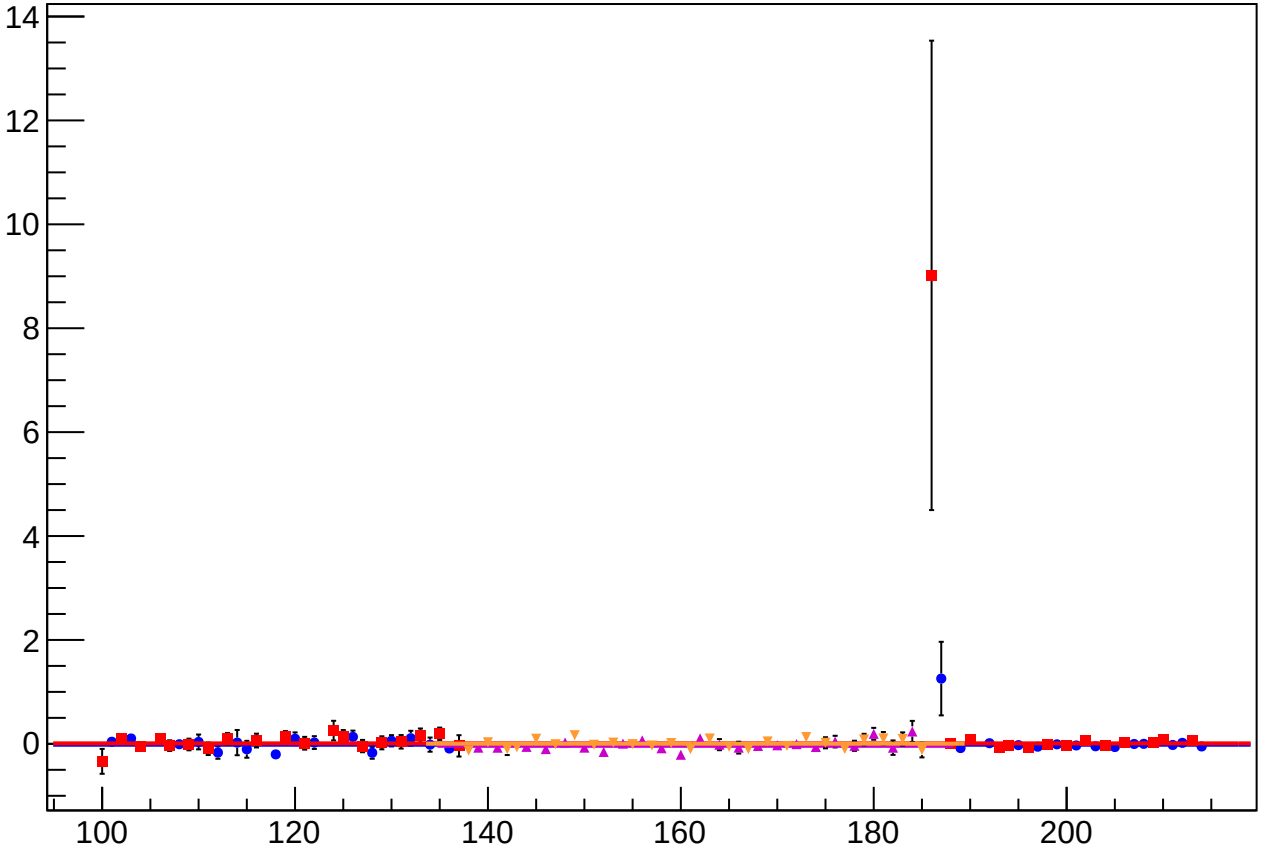
Right: 0.000+/-0.000 χ^2/NDF: 18241702.7/62

In: 0.000+/-0.000 χ^2/NDF:15982609.7/52

Out: 0.000+/-0.000 χ^2/NDF:16457674.8/57

All: 0.000+/-0.000 χ^2/NDF: 32444960.5/110

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

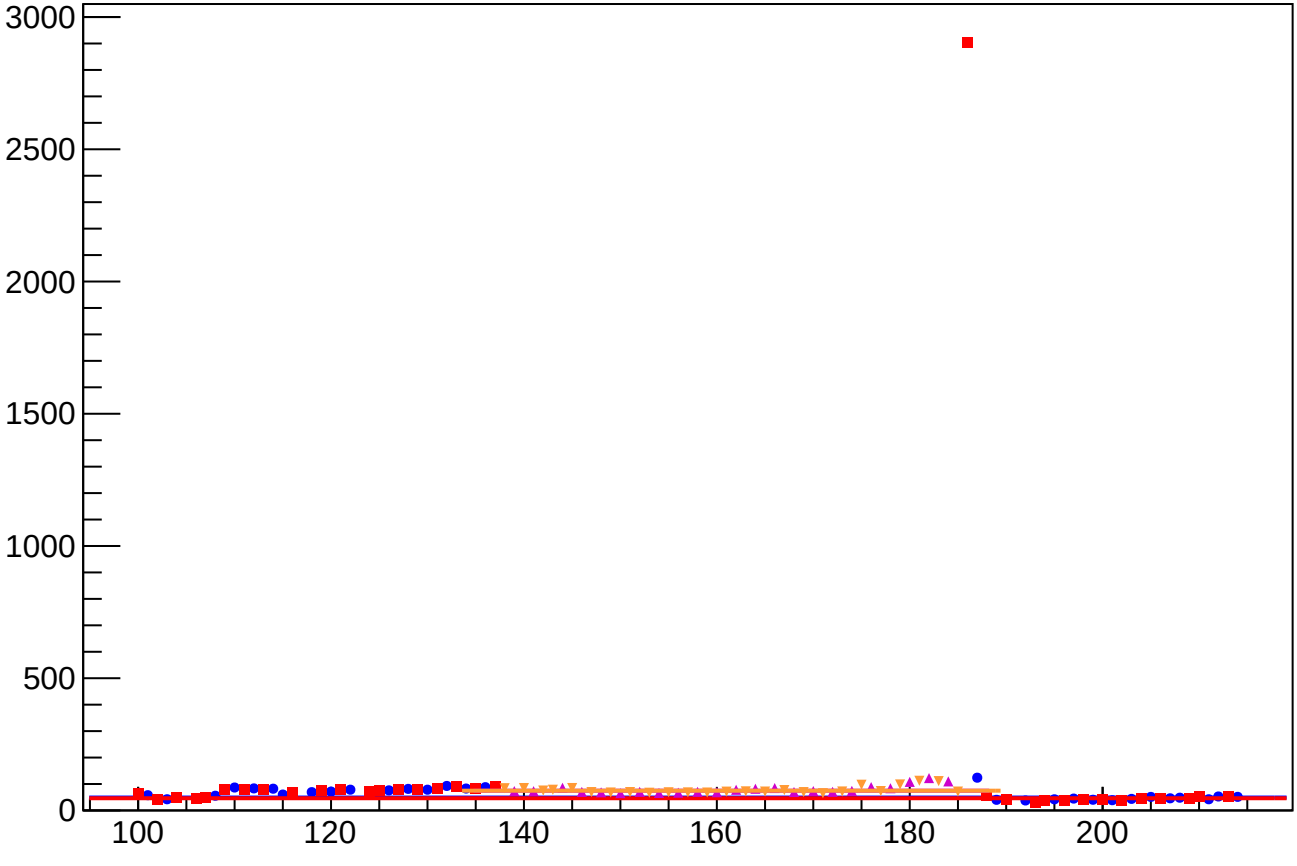
Right: -0.003+/-0.008 χ^2/NDF: 66.5/62

In: -0.024+/-0.010 χ^2/NDF:47.3/52

Out: 0.007+/-0.010 χ^2/NDF:61.0/57

All: -0.008+/-0.007 χ^2/NDF: 113.2/110

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

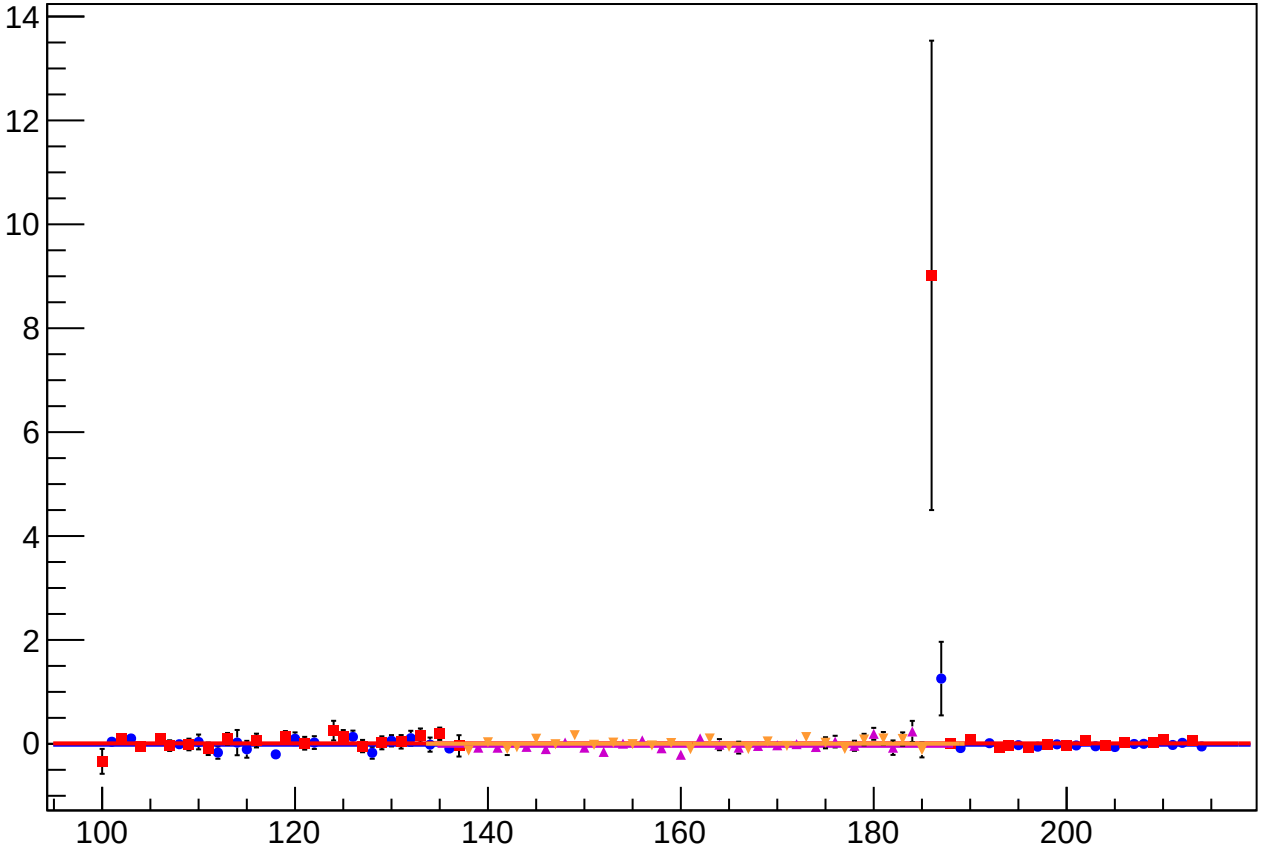
Right: 47.450+/-0.006 χ^2/NDF: 6019210.0/62

In: 56.993+/-0.007 χ^2/NDF:5849222.6/52

Out: 54.973+/-0.007 χ^2/NDF:8137803.0/57

All: 55.944+/-0.005 χ^2/NDF: 14028948.8/110

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

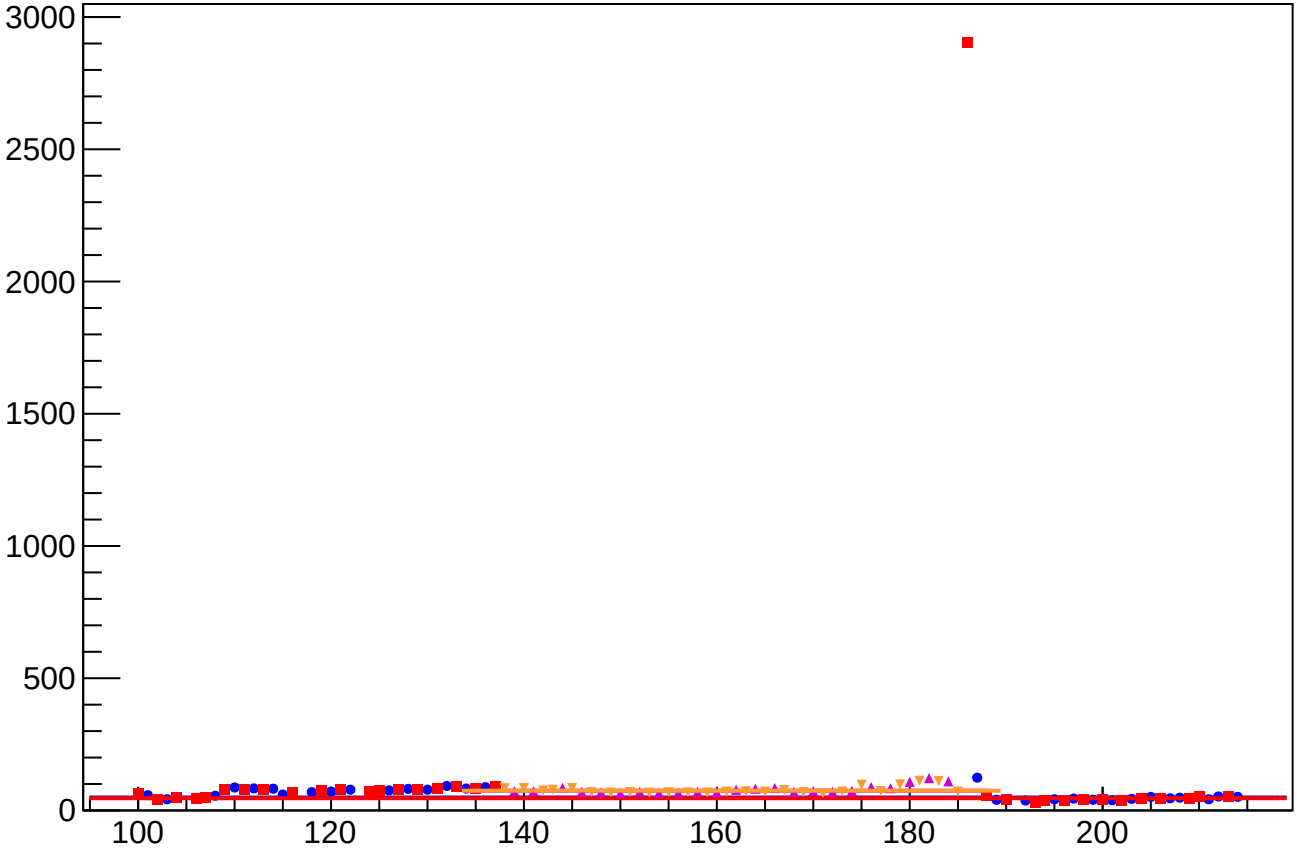
Right: -0.003+/-0.008 χ^2/NDF: 66.5/62

In: -0.024+/-0.010 χ^2/NDF:47.3/52

Out: 0.007+/-0.010 χ^2/NDF:61.0/57

All: -0.008+/-0.007 χ^2/NDF: 113.2/110

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

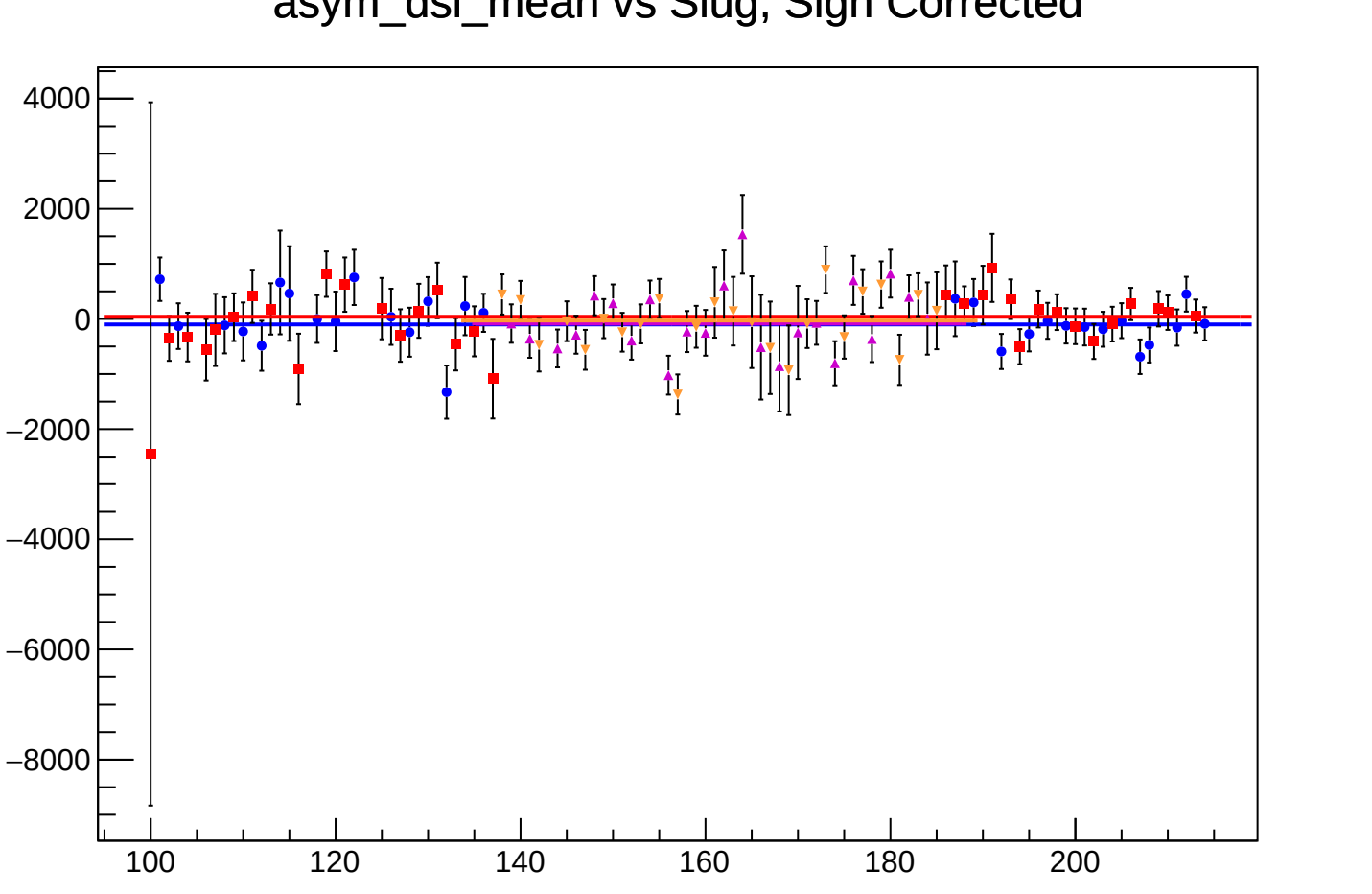
Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

Right: 47.450+/-0.006 χ^2/NDF: 6019210.0/62

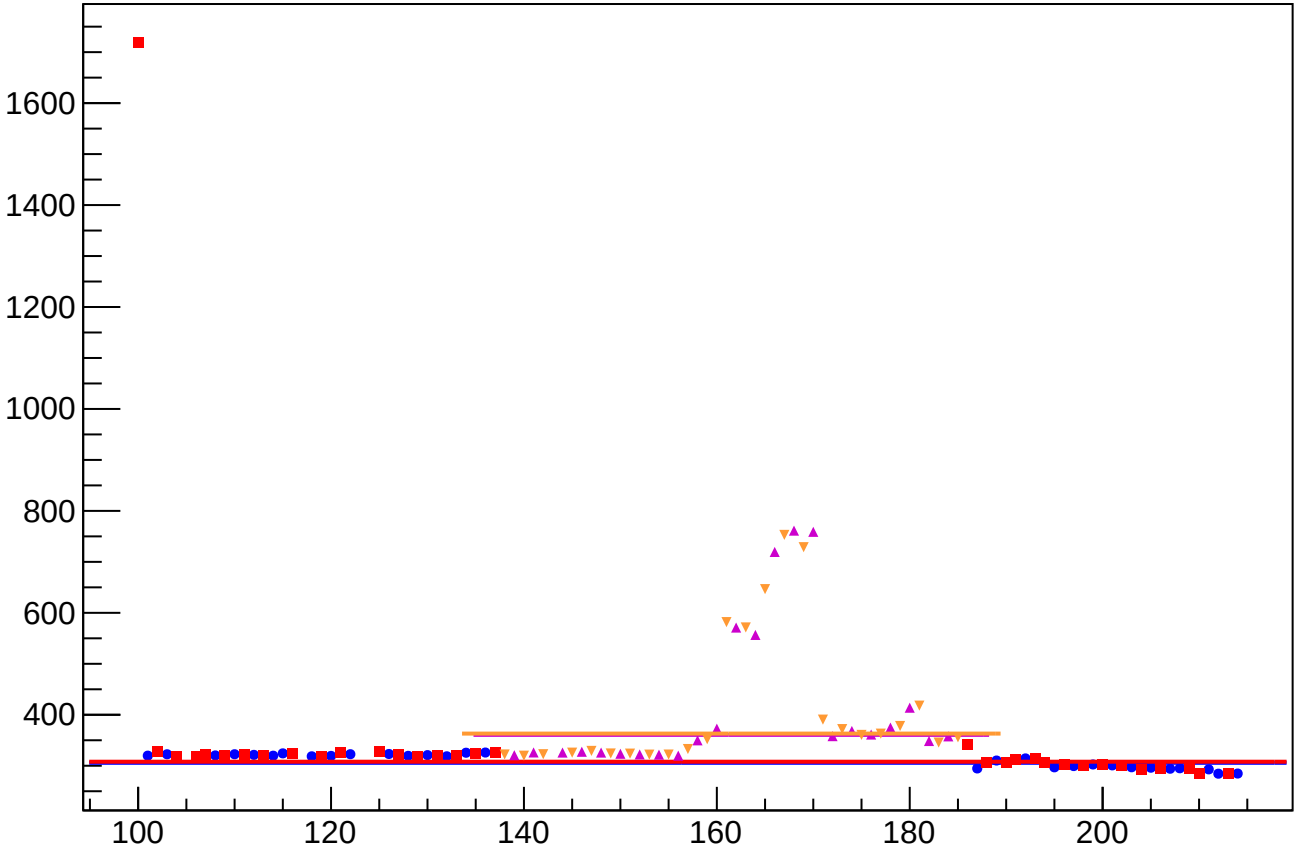
In: 56.993+/-0.007 χ^2/NDF:5849222.6/52

Out: 54.973+/-0.007 χ^2/NDF:8137803.0/57

All: 55.944+/-0.005 χ^2/NDF: 14028948.8/110


asym_dsl_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: -100.136+/-71.463 χ²/NDF: 29.6/29
Left Out: -29.346+/-86.530 χ²/NDF:36.6/23
Right Out: 39.151+/-70.963 χ²/NDF: 27.3/32
Left In: -83.719+/-86.476 χ²/NDF:35.8/22
Left: -56.550+/-61.167 χ²/NDF: 72.6/46
Right: -30.003+/-50.354 χ²/NDF: 58.8/62
In: -93.474+/-55.087 χ²/NDF:65.4/52
Out: 11.608+/-54.870 χ²/NDF:64.2/56
All: -40.727+/-38.876 χ²/NDF: 131.5/109

asym_dsl_rms vs Slug, Sign Corrected



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

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

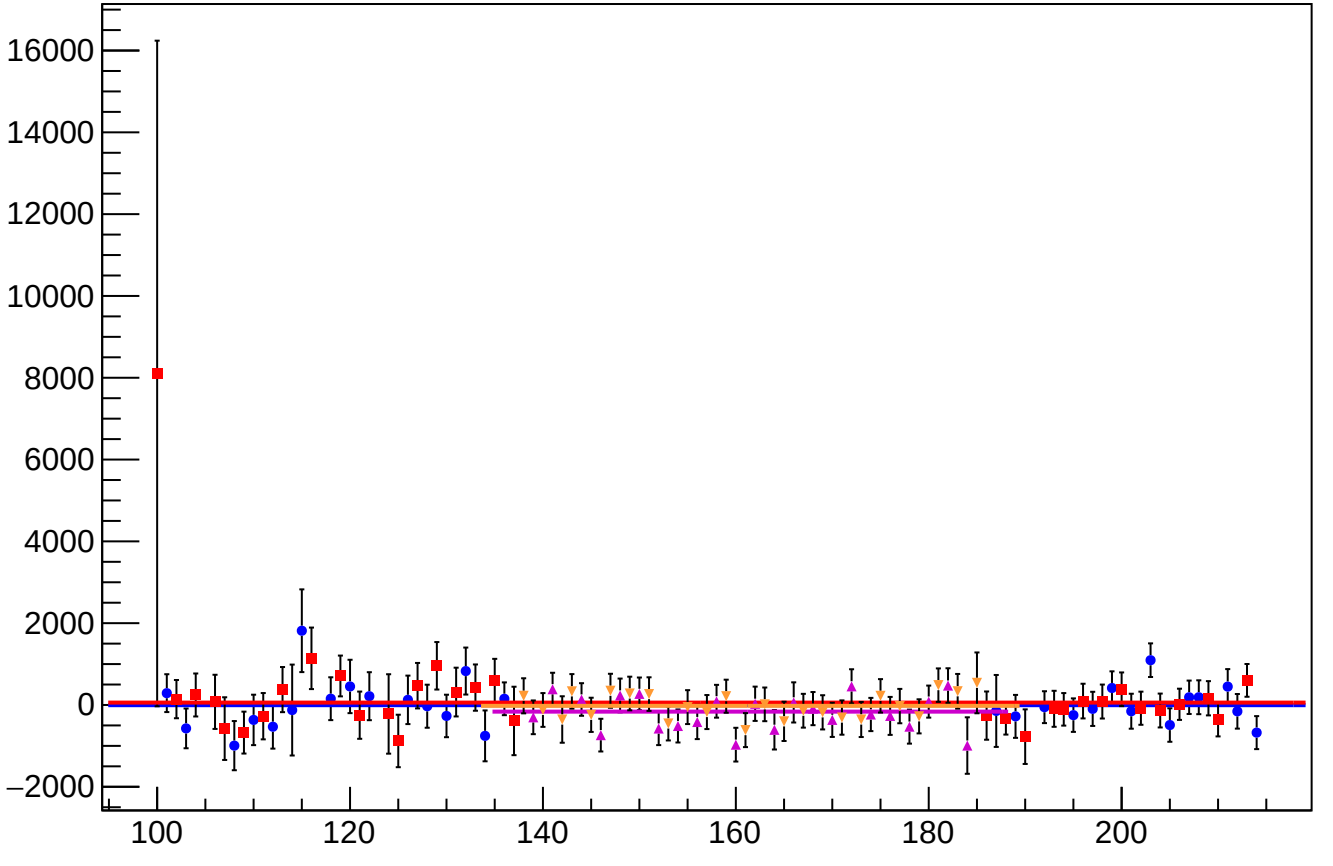
Right: 306.852+/-0.036 χ^2/NDF: 245914.7/62

In: 328.015+/-0.039 χ^2/NDF:2366619.6/52

Out: 330.099+/-0.039 χ^2/NDF:2455073.3/56

All: 329.061+/-0.027 χ^2/NDF: 4823130.0/109

asym_dsr_mean vs Slug, Sign Corrected



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

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

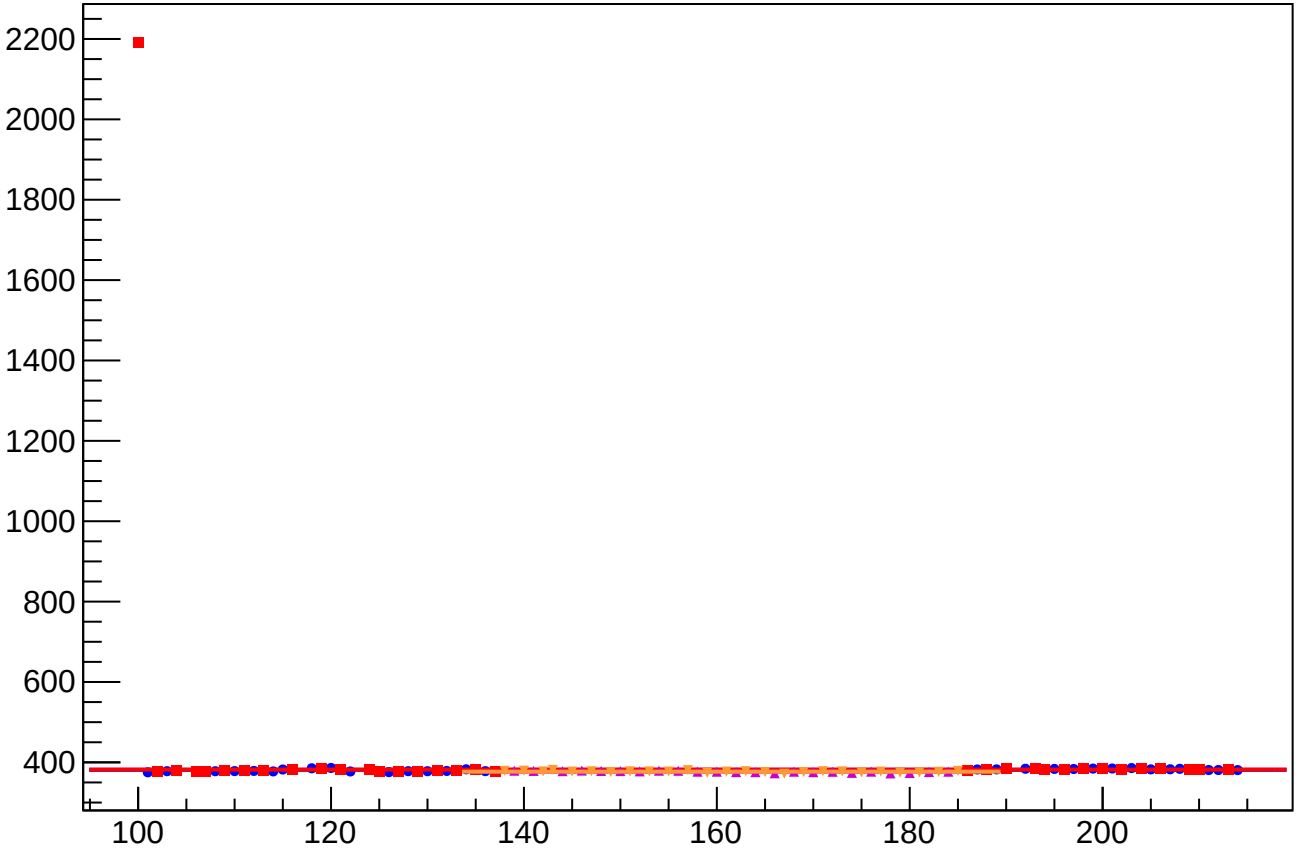
Right: 26.817+/-62.649 χ^2/NDF: 51.6/62

In: -85.089+/-62.589 χ^2/NDF:52.1/52

Out: 17.463+/-61.420 χ^2/NDF:35.7/57

All: -32.846+/-43.838 χ^2/NDF: 89.1/110

asym_dsr_rms vs Slug, Sign Corrected



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

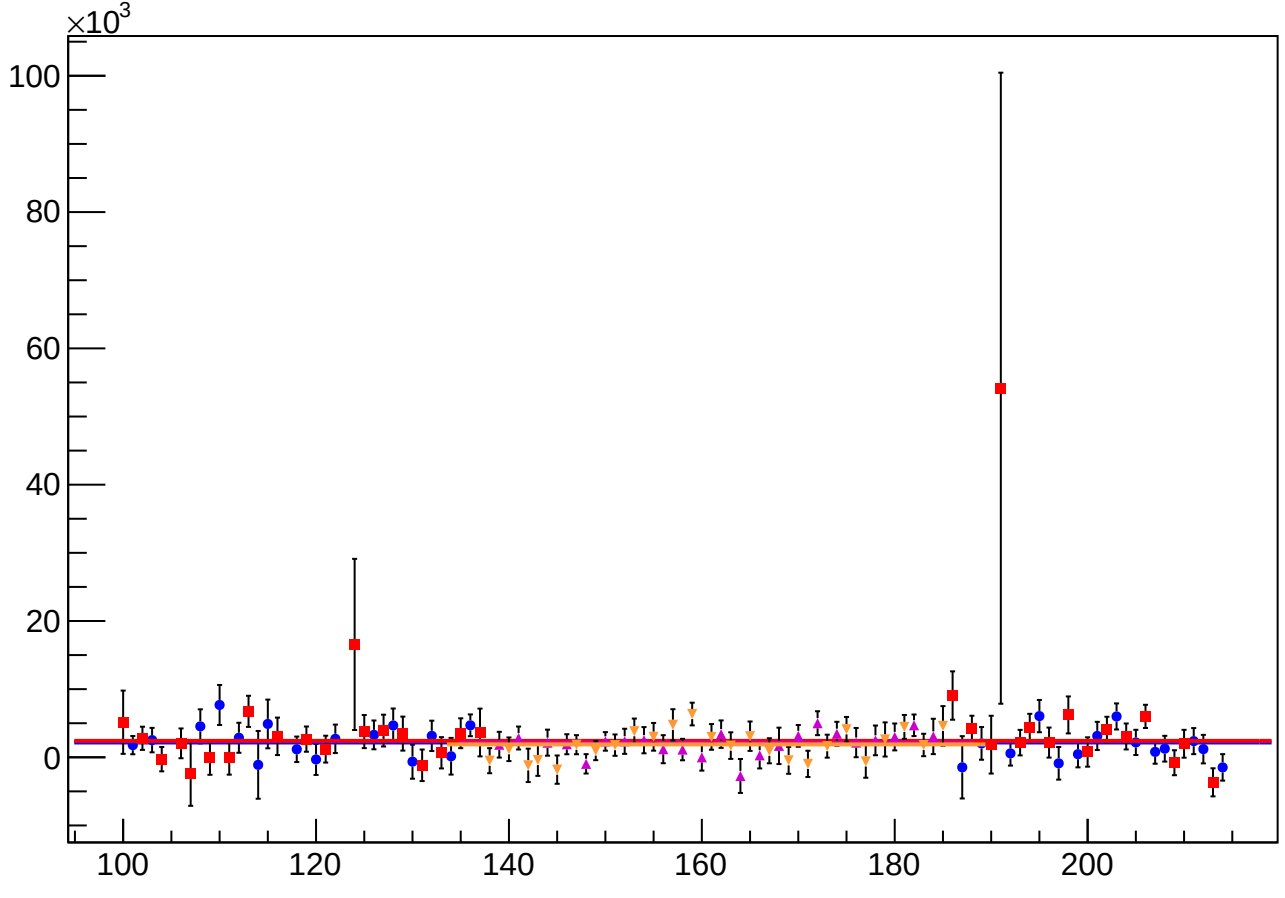
Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

Right: 381.695+/-0.044 χ^2/NDF: 102983.7/62

In: 379.110+/-0.044 χ^2/NDF:6007.2/52

Out: 379.357+/-0.043 χ^2/NDF:105130.7/57

All: 379.236+/-0.031 χ^2/NDF: 111153.8/110



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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

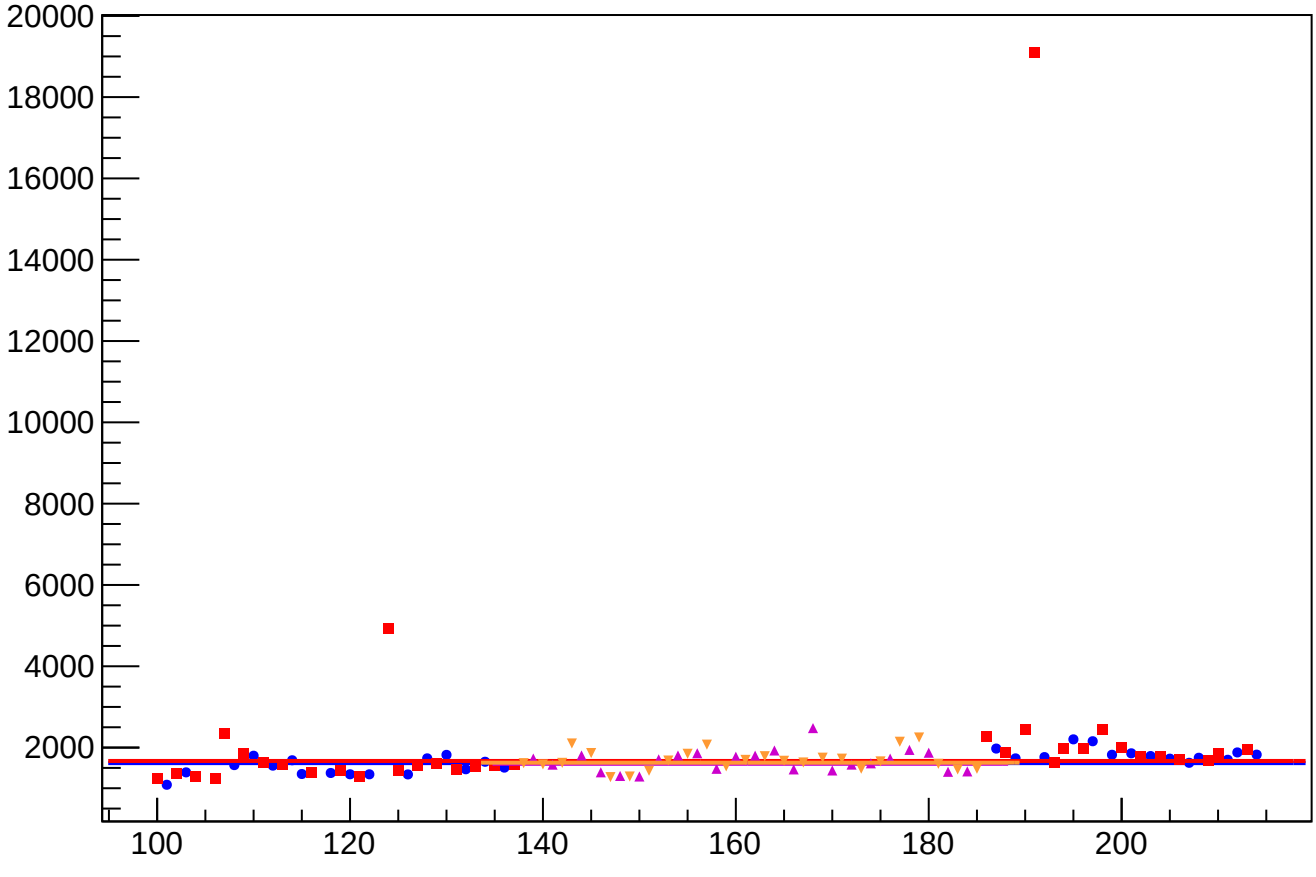
Right: 2289.302+/-274.408 χ^2/NDF: 70.0/63

In: 2140.547+/-269.734 χ^2/NDF:47.0/52

Out: 2137.649+/-271.204 χ^2/NDF:70.7/58

All: 2139.106+/-191.249 χ^2/NDF: 117.7/111

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

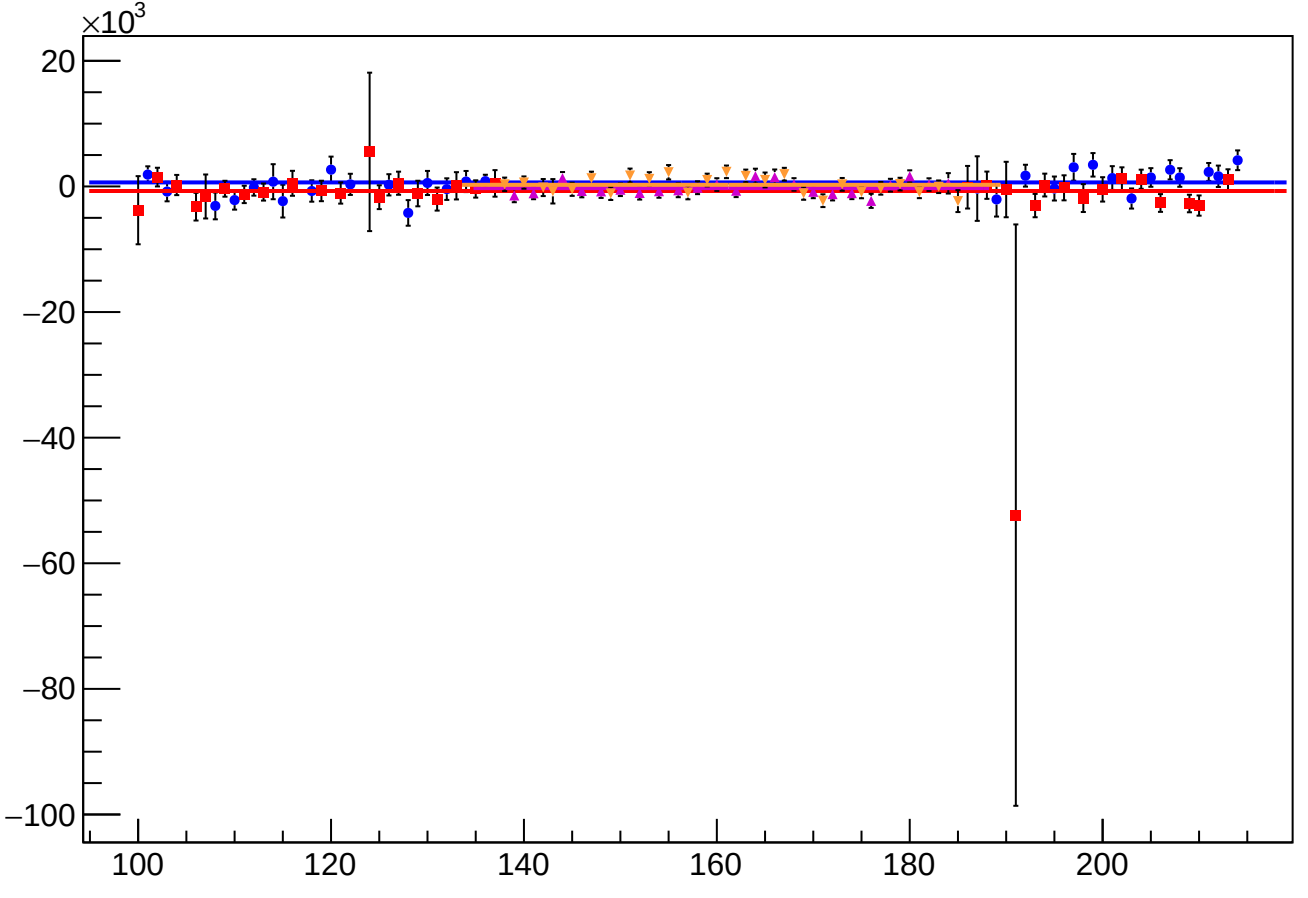
Right: 1643.867+/-0.194 χ^2/NDF: 2372499.0/63

In: 1609.546+/-0.191 χ^2/NDF:1728845.7/52

Out: 1648.836+/-0.192 χ^2/NDF:2211772.3/58

All: 1629.085+/-0.135 χ^2/NDF: 3961720.1/11

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

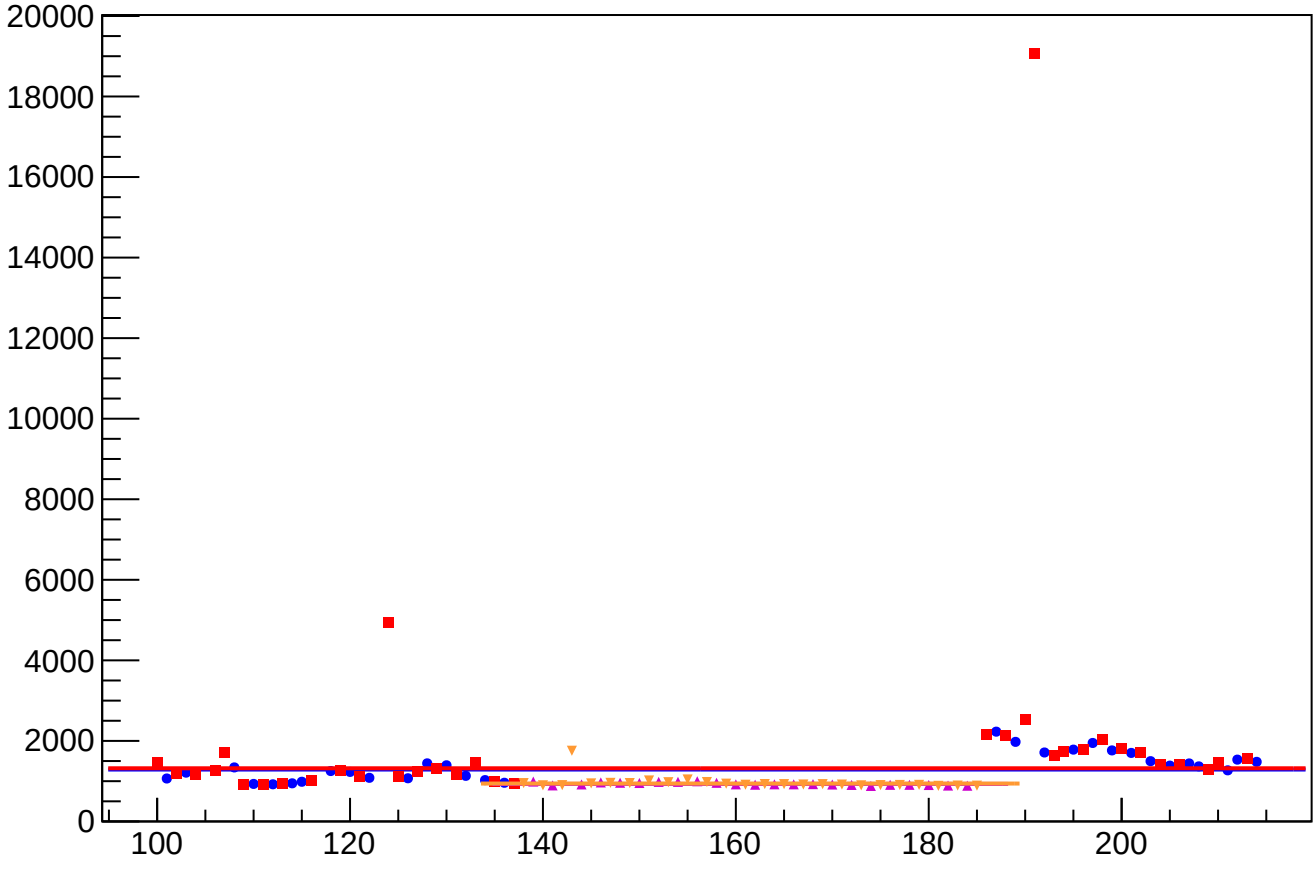
Right: -28.203+/-220.588 χ^2/NDF: 64.5/63

In: 34.384+/-177.951 χ^2/NDF:61.7/52

Out: -51.171+/-177.567 χ^2/NDF:61.0/58

All: -8.486+/-125.694 χ^2/NDF: 122.8/111

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

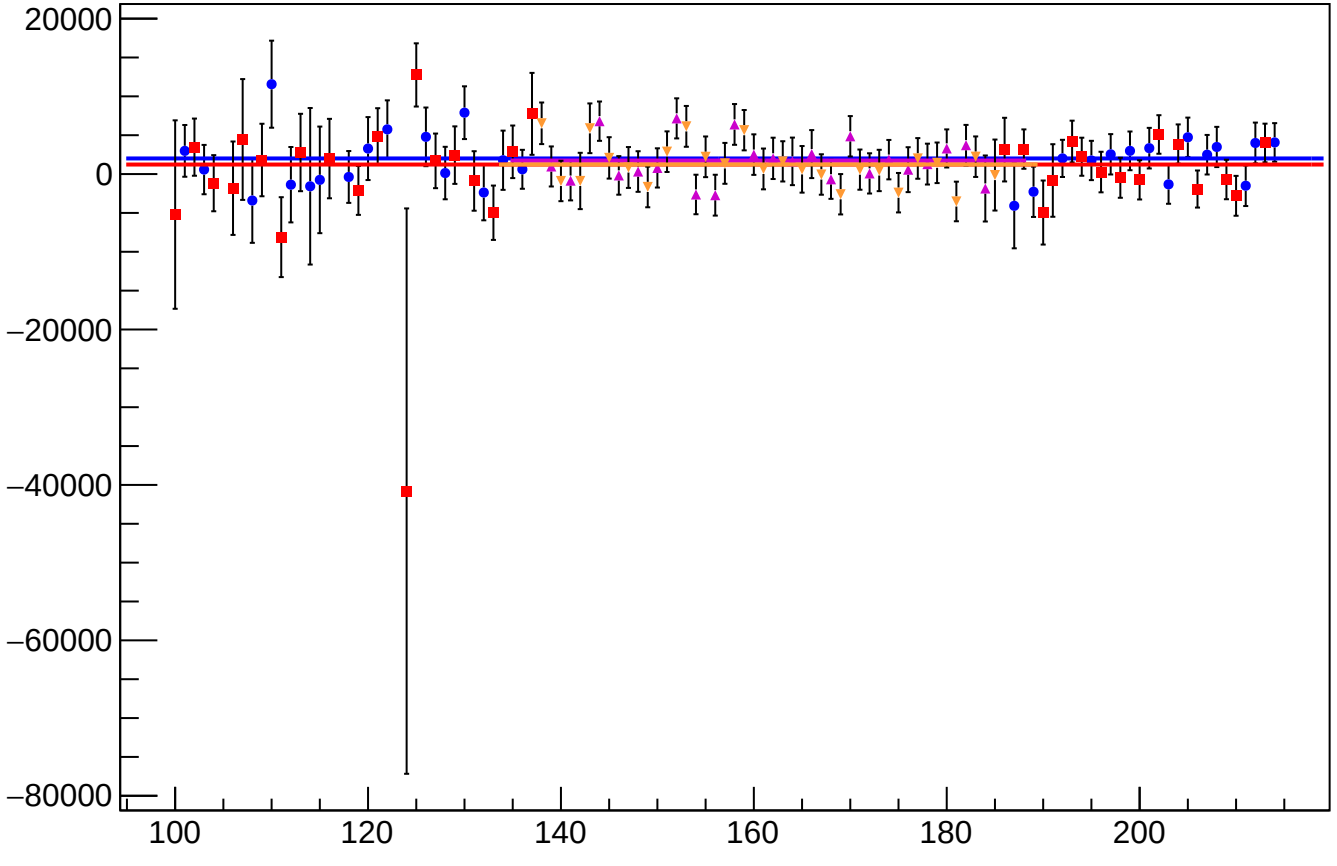
Right: 1304.316+/-0.156 χ^2/NDF: 4453437.5/63

In: 1050.112+/-0.126 χ^2/NDF:3581468.8/52

Out: 1061.508+/-0.126 χ^2/NDF:5094708.0/58

All: 1055.822+/-0.089 χ^2/NDF: 8680286.9/11

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

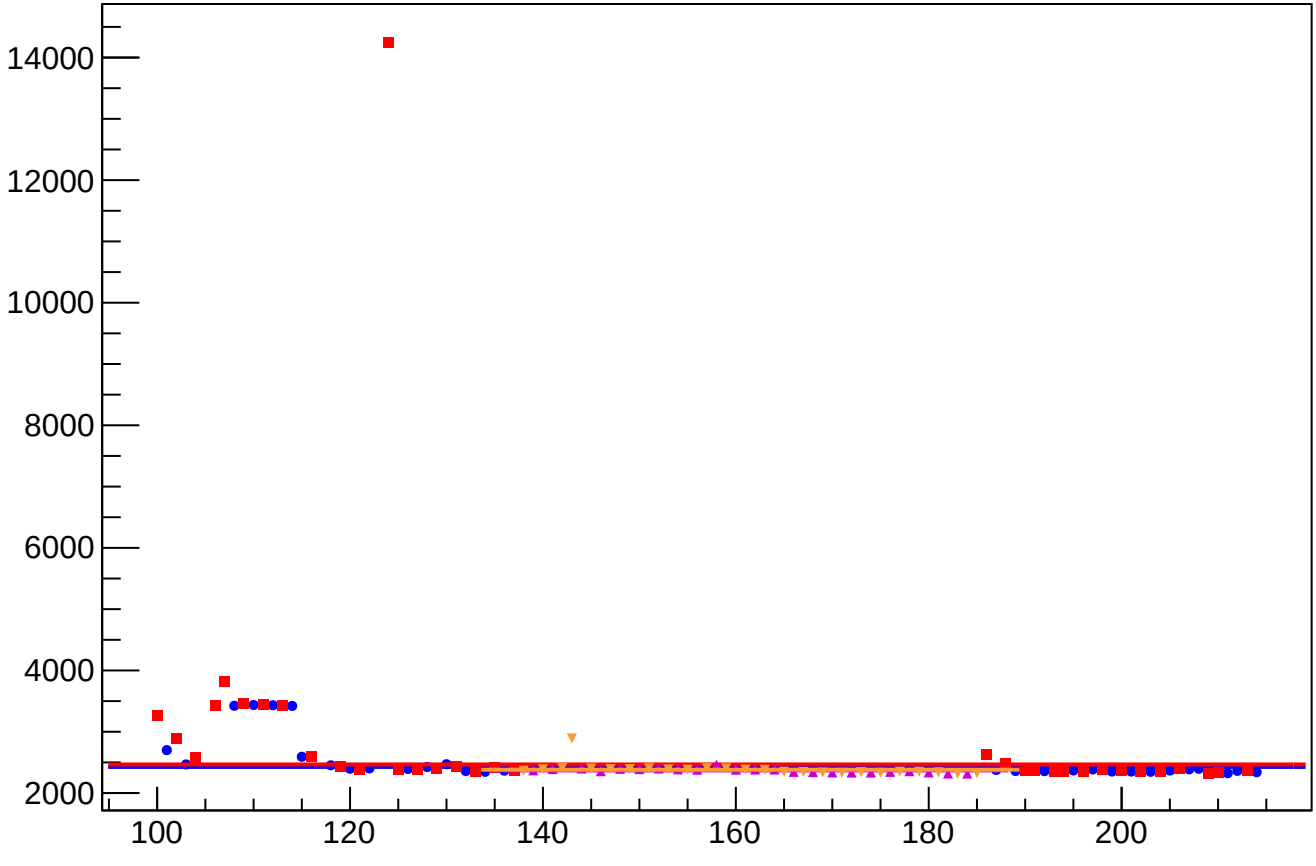
Right: 1618.346+/-402.660 χ^2/NDF: 60.2/63

In: 1871.586+/-396.545 χ^2/NDF:46.6/52

Out: 1230.476+/-392.583 χ^2/NDF:61.1/58

All: 1547.812+/-278.988 χ^2/NDF: 109.0/111

reg_asym_atl1_rms vs Slug, Sign Corrected



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

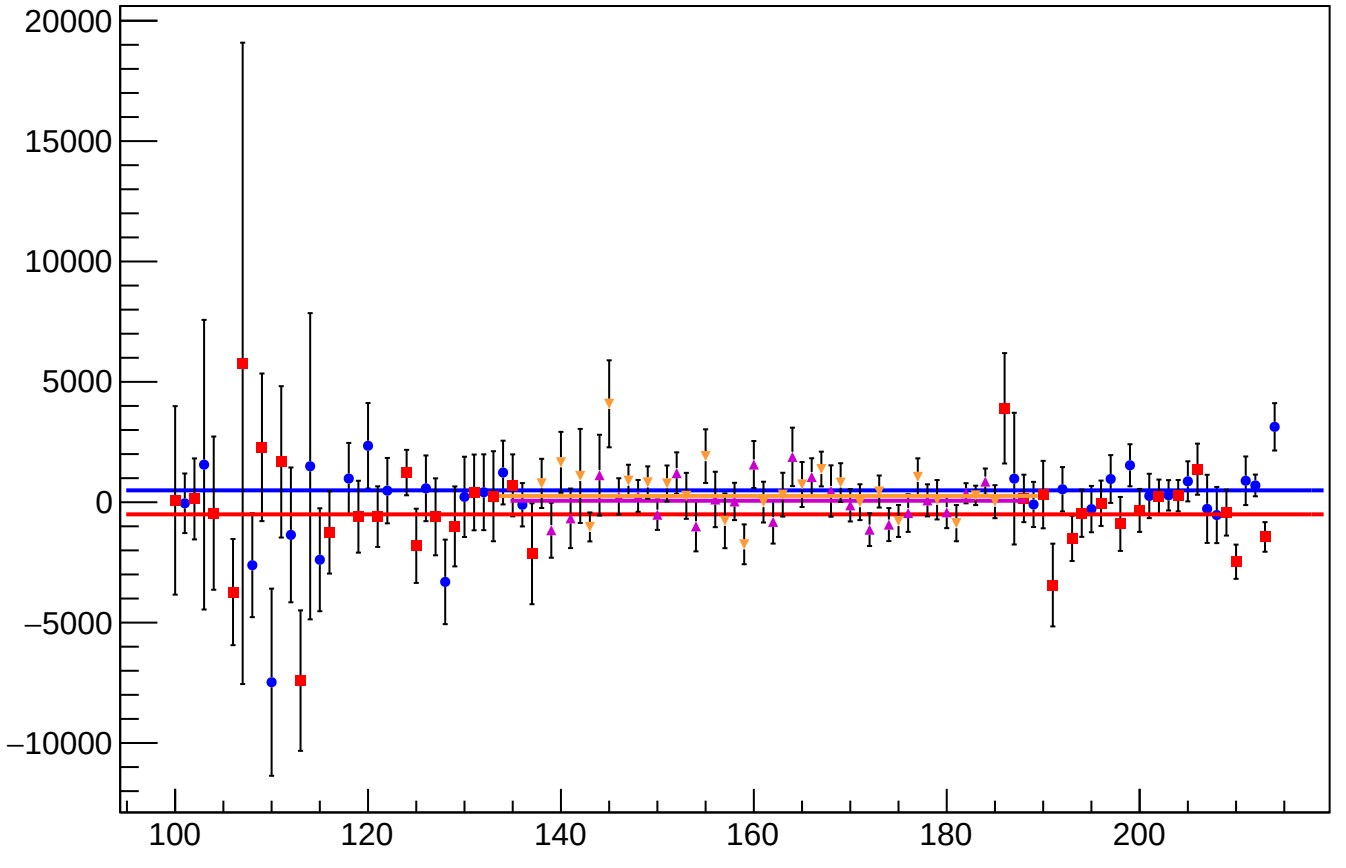
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2446.425+/-0.285 χ^2/NDF: 929968.2/63

In: 2397.159+/-0.280 χ^2/NDF:292105.5/52

Out: 2421.629+/-0.278 χ^2/NDF:731461.0/58

All: 2409.517+/-0.197 χ^2/NDF: 1027412.8/11



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

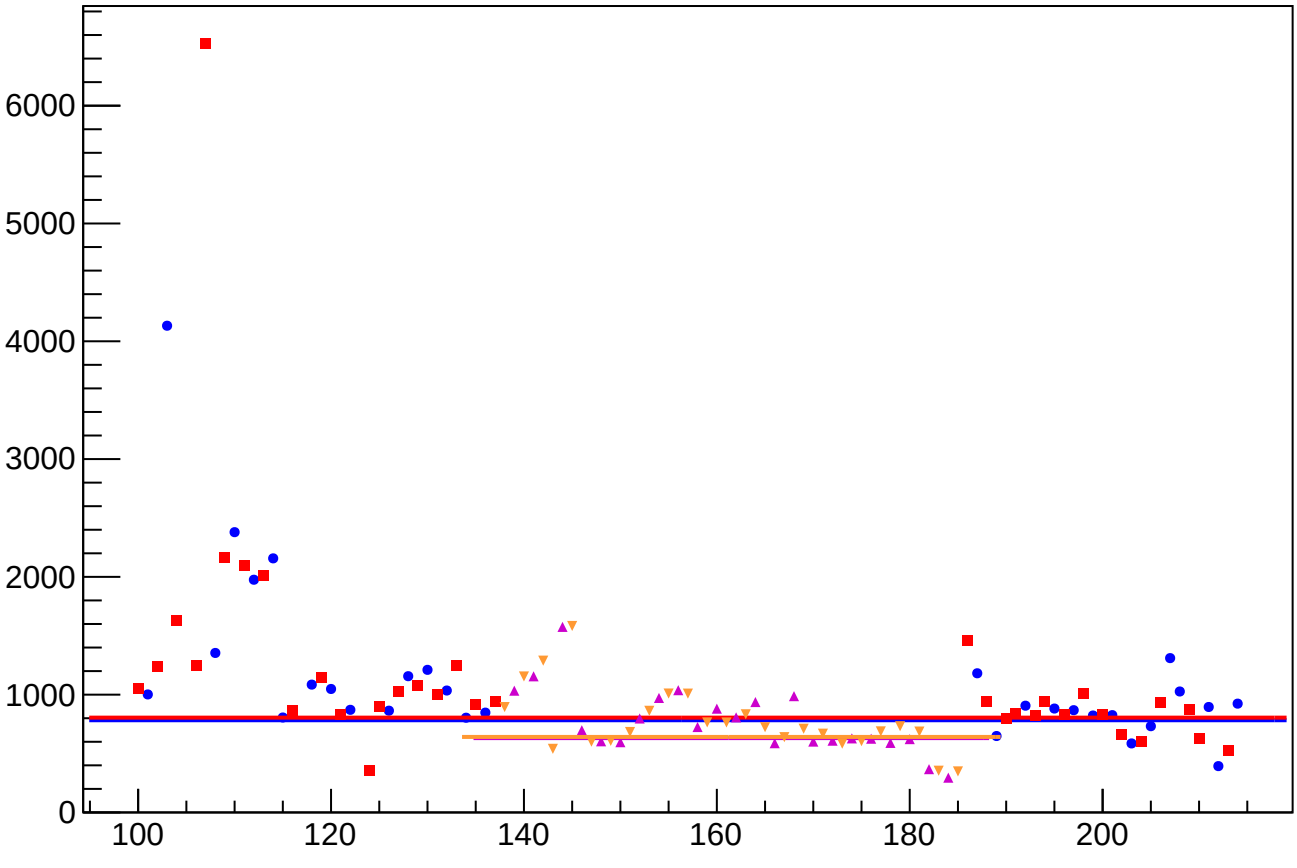
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: 0.847+/-141.593 χ^2/NDF: 79.9/63

In: 227.912+/-123.477 χ^2/NDF:52.1/52

Out: -20.415+/-122.335 χ^2/NDF:80.6/58

All: 102.595+/-86.905 χ^2/NDF: 134.7/111



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

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

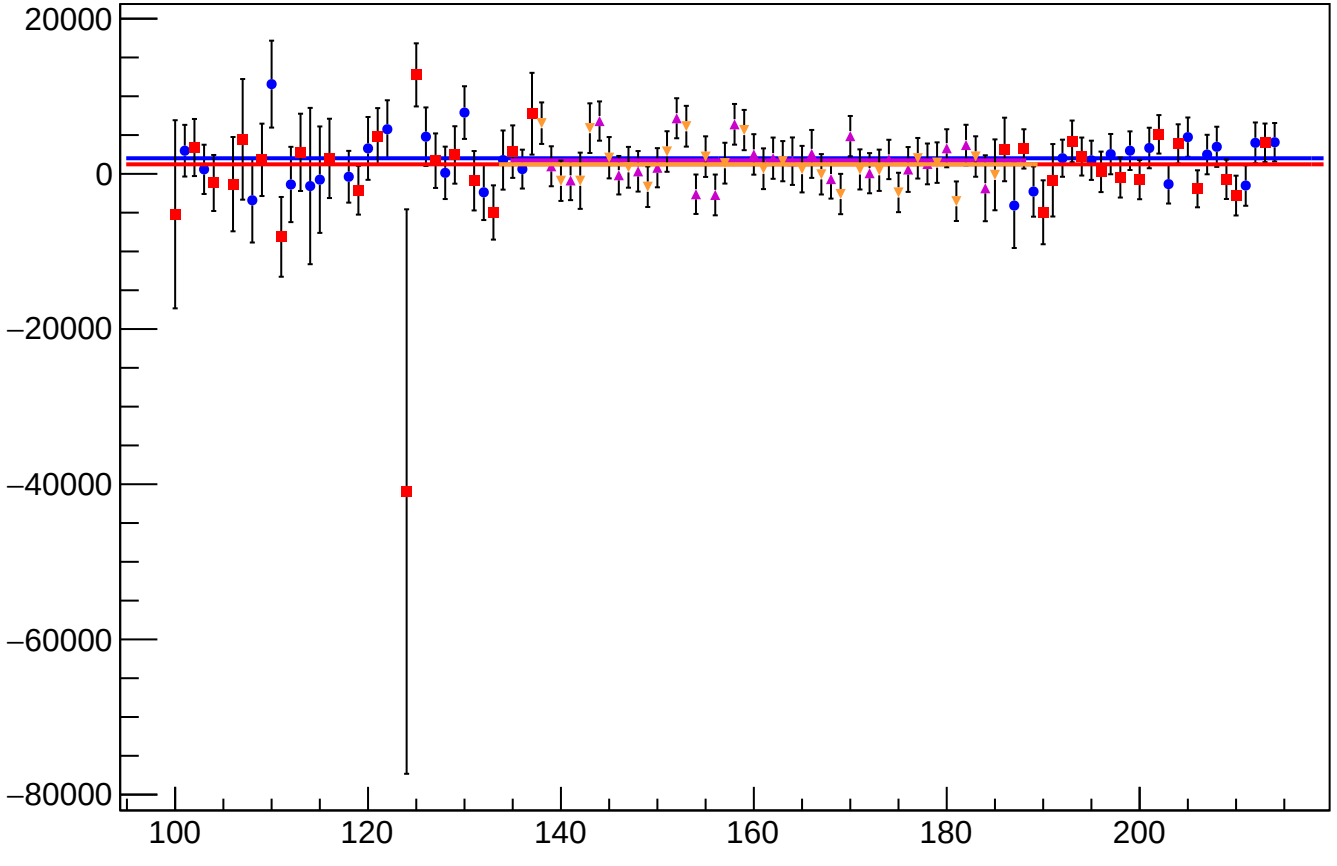
Right: 793.780+/-0.100 χ^2/NDF: 8130048.1/63

In: 689.510+/-0.087 χ^2/NDF:9022777.5/52

Out: 701.609+/-0.087 χ^2/NDF:8094257.4/58

All: 695.616+/-0.061 χ^2/NDF: 17126725.6/11

cor_asym_atl1_mean vs Slug, Sign Corrected



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

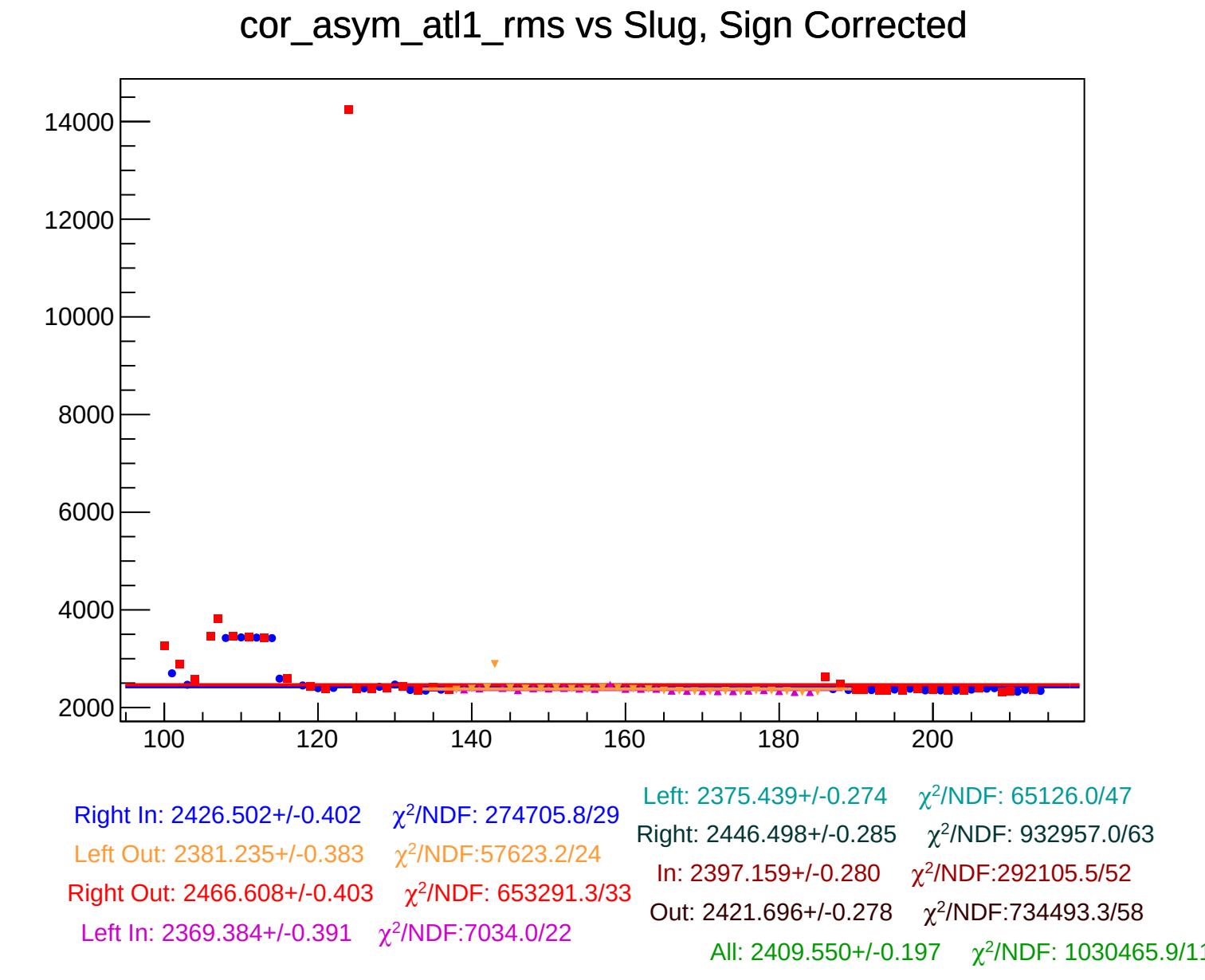
Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

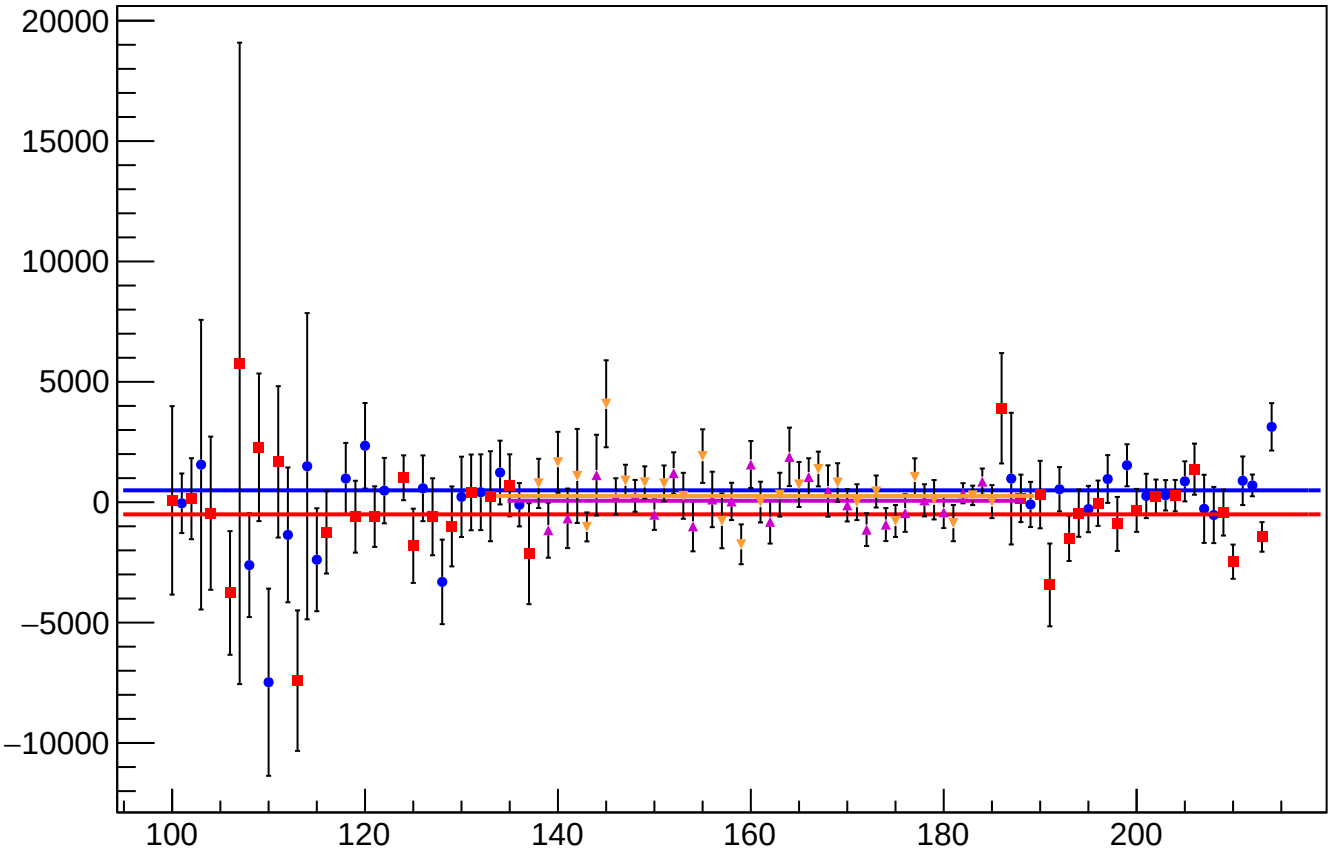
Right: 1620.110+/-402.680 χ^2/NDF: 60.1/63

In: 1871.720+/-396.545 χ^2/NDF:46.6/52

Out: 1231.999+/-392.602 χ^2/NDF:61.0/58

All: 1548.663+/-278.995 χ^2/NDF: 108.9/111


cor_asym_atl1_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2426.502+/-0.402 χ²/NDF: 274705.8/29
Left Out: 2381.235+/-0.383 χ²/NDF:57623.2/24
Right Out: 2466.608+/-0.403 χ²/NDF: 653291.3/33
Left In: 2369.384+/-0.391 χ²/NDF:7034.0/22
Left: 2375.439+/-0.274 χ²/NDF: 65126.0/47
Right: 2446.498+/-0.285 χ²/NDF: 932957.0/63
In: 2397.159+/-0.280 χ²/NDF:292105.5/52
Out: 2421.696+/-0.278 χ²/NDF:734493.3/58
All: 2409.550+/-0.197 χ²/NDF: 1030465.9/11



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

Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

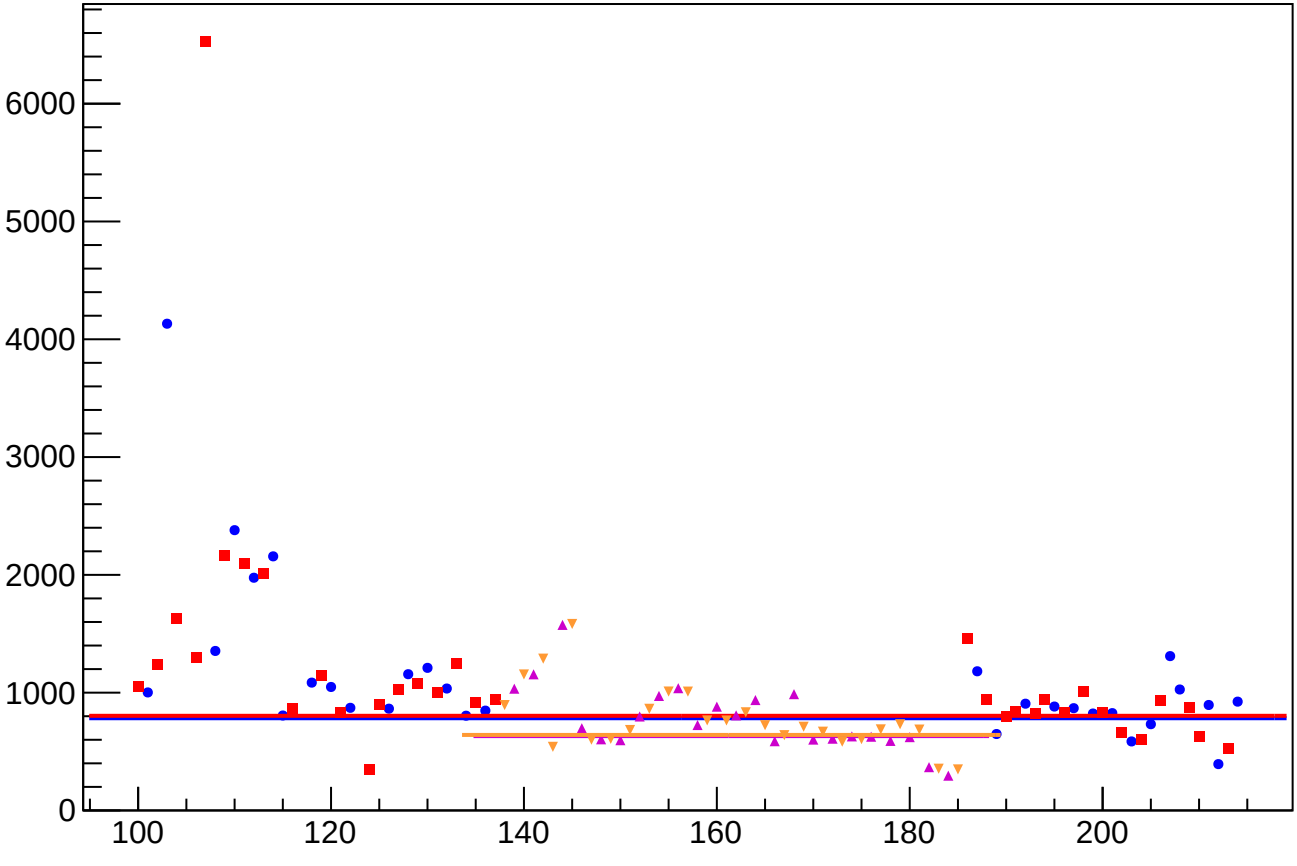
Right: 0.622+/-141.627 χ^2/NDF: 78.7/63

In: 227.903+/-123.477 χ^2/NDF:52.0/52

Out: -20.398+/-122.358 χ^2/NDF:79.3/58

All: 102.623+/-86.913 χ^2/NDF: 133.4/111

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



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

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

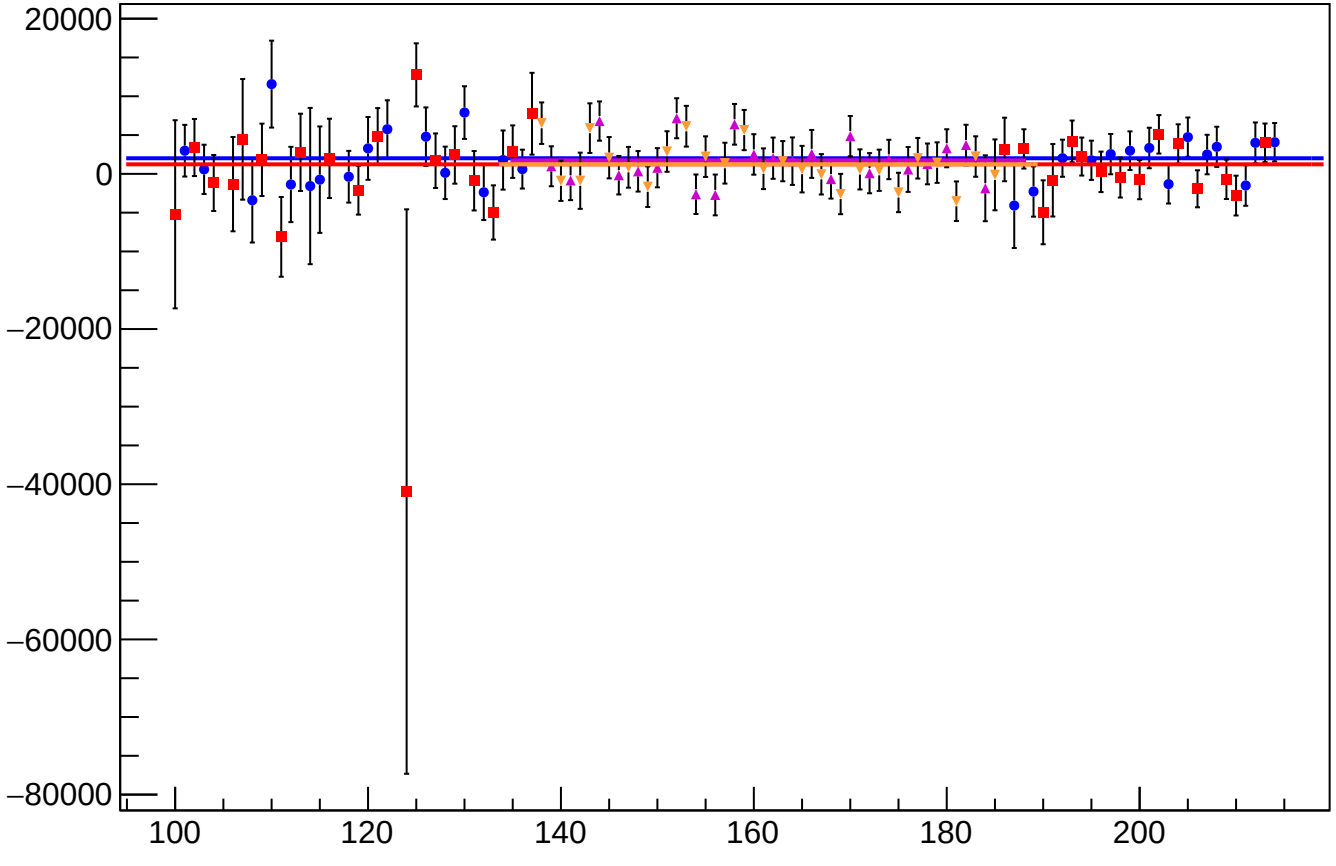
Right: 793.066+/-0.100 χ^2/NDF: 8142269.2/63

In: 689.513+/-0.087 χ^2/NDF:9022646.5/52

Out: 701.047+/-0.087 χ^2/NDF:8092834.6/58

All: 695.332+/-0.061 χ^2/NDF: 17124286.6/11

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



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

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

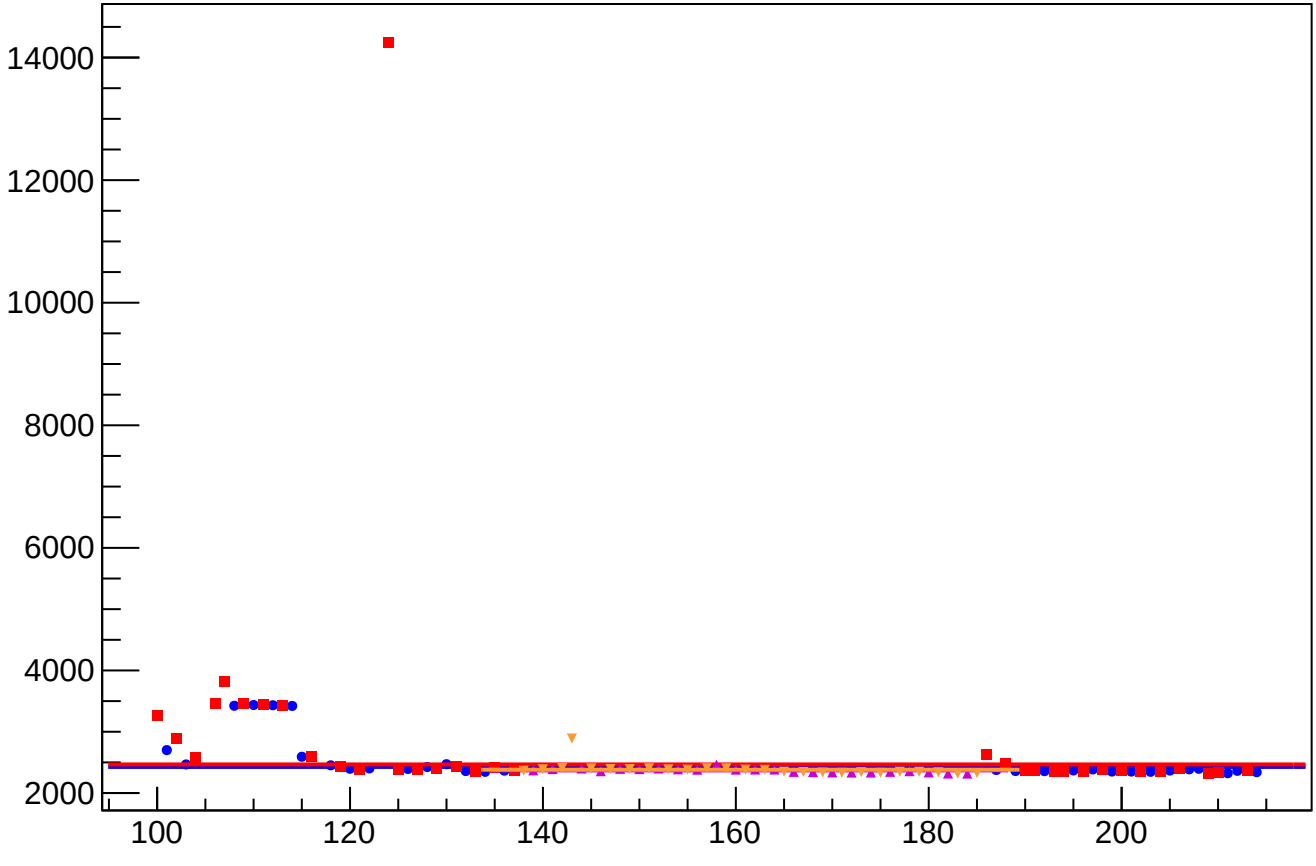
Right: 1620.110+/-402.680 χ^2/NDF: 60.1/63

In: 1871.720+/-396.545 χ^2/NDF:46.6/52

Out: 1231.999+/-392.602 χ^2/NDF:61.0/58

All: 1548.663+/-278.995 χ^2/NDF: 108.9/111

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



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

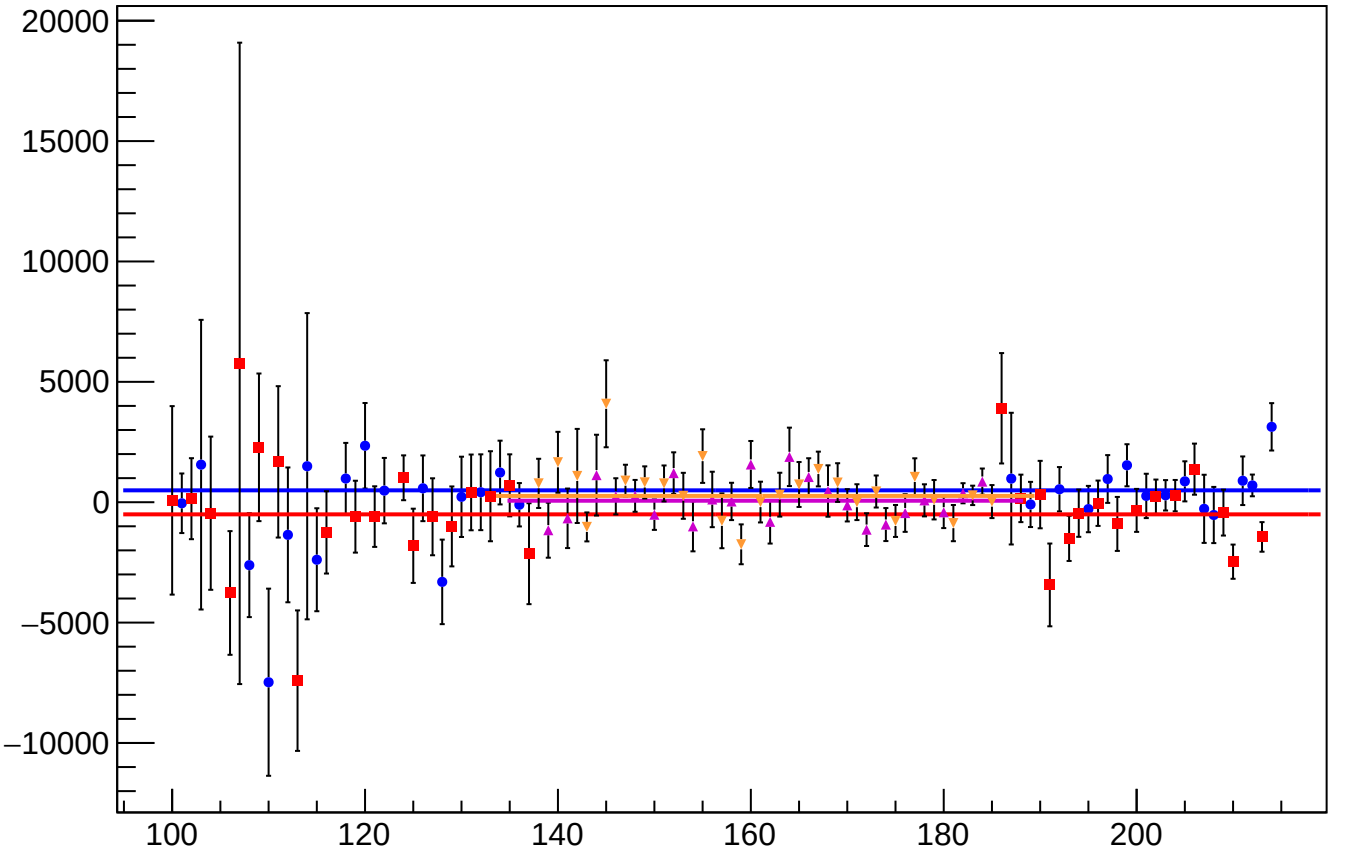
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2446.498+/-0.285 χ^2/NDF: 932957.0/63

In: 2397.159+/-0.280 χ^2/NDF:292105.5/52

Out: 2421.696+/-0.278 χ^2/NDF:734493.3/58

All: 2409.550+/-0.197 χ^2/NDF: 1030465.9/11



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

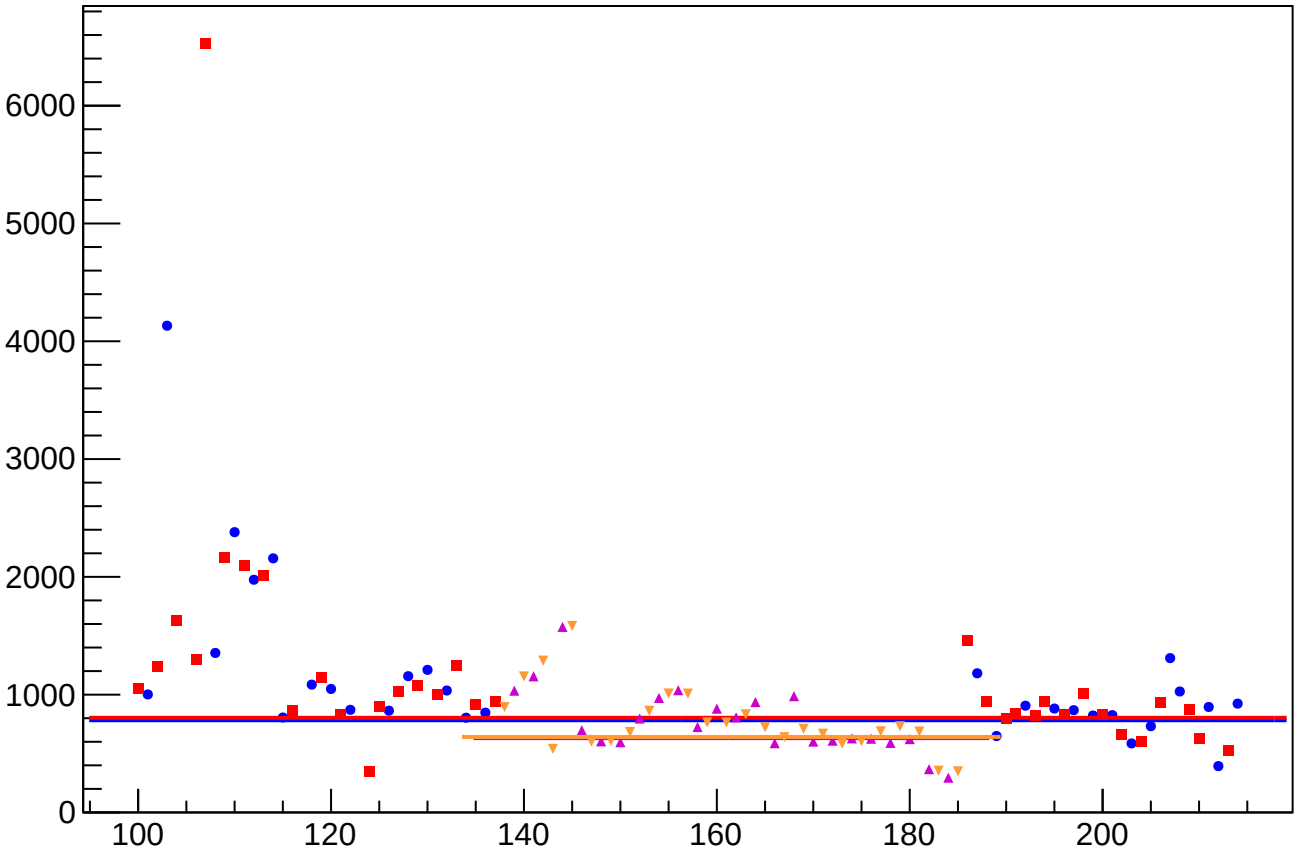
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: 0.622+/-141.627 χ^2/NDF: 78.7/63

In: 227.903+/-123.477 χ^2/NDF:52.0/52

Out: -20.398+/-122.358 χ^2/NDF:79.3/58

All: 102.623+/-86.913 χ^2/NDF: 133.4/111



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

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

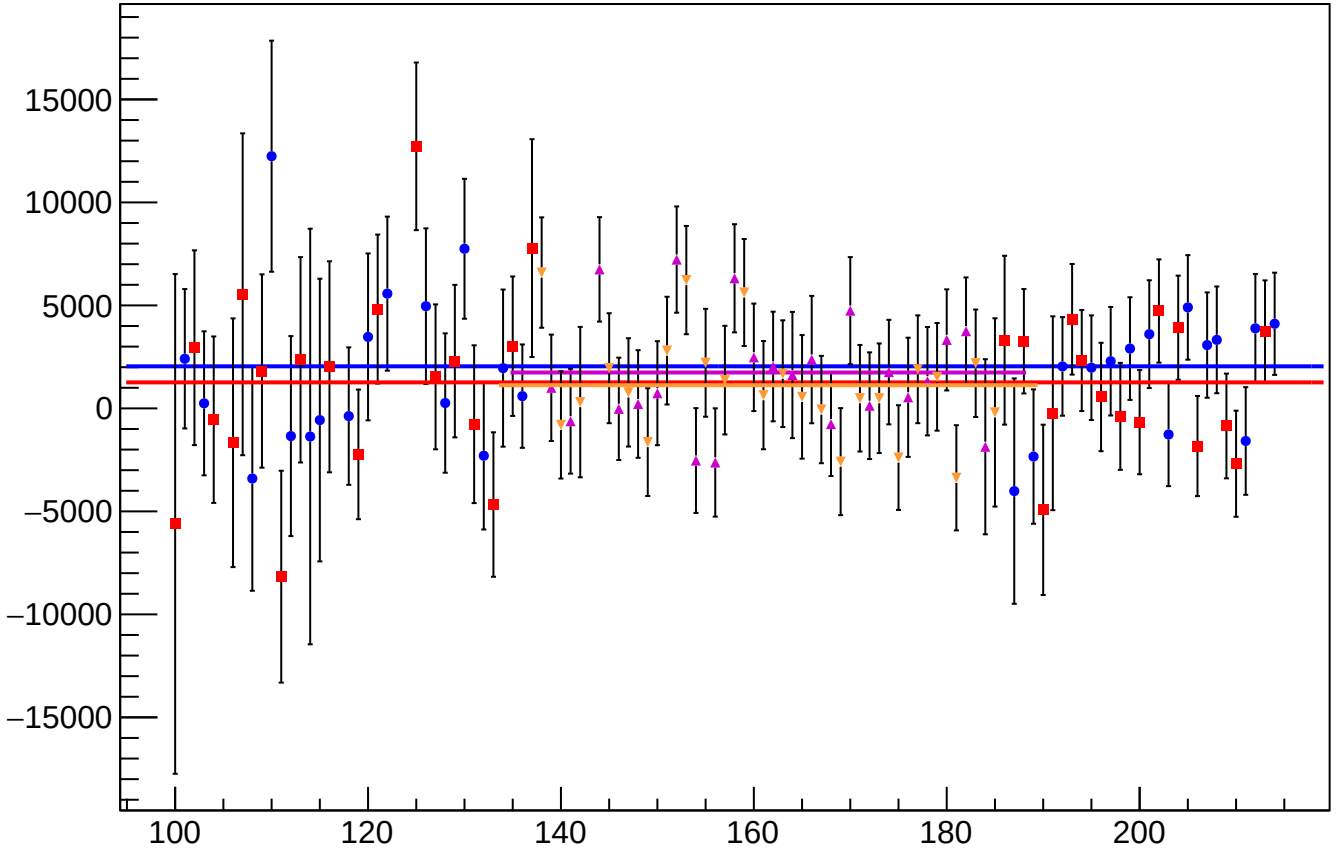
Right: 793.066+/-0.100 χ^2/NDF: 8142269.2/63

In: 689.513+/-0.087 χ^2/NDF:9022646.5/52

Out: 701.047+/-0.087 χ^2/NDF:8092834.6/58

All: 695.332+/-0.061 χ^2/NDF: 17124286.6/11

dit_asym_atl1_mean vs Slug, Sign Corrected



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

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

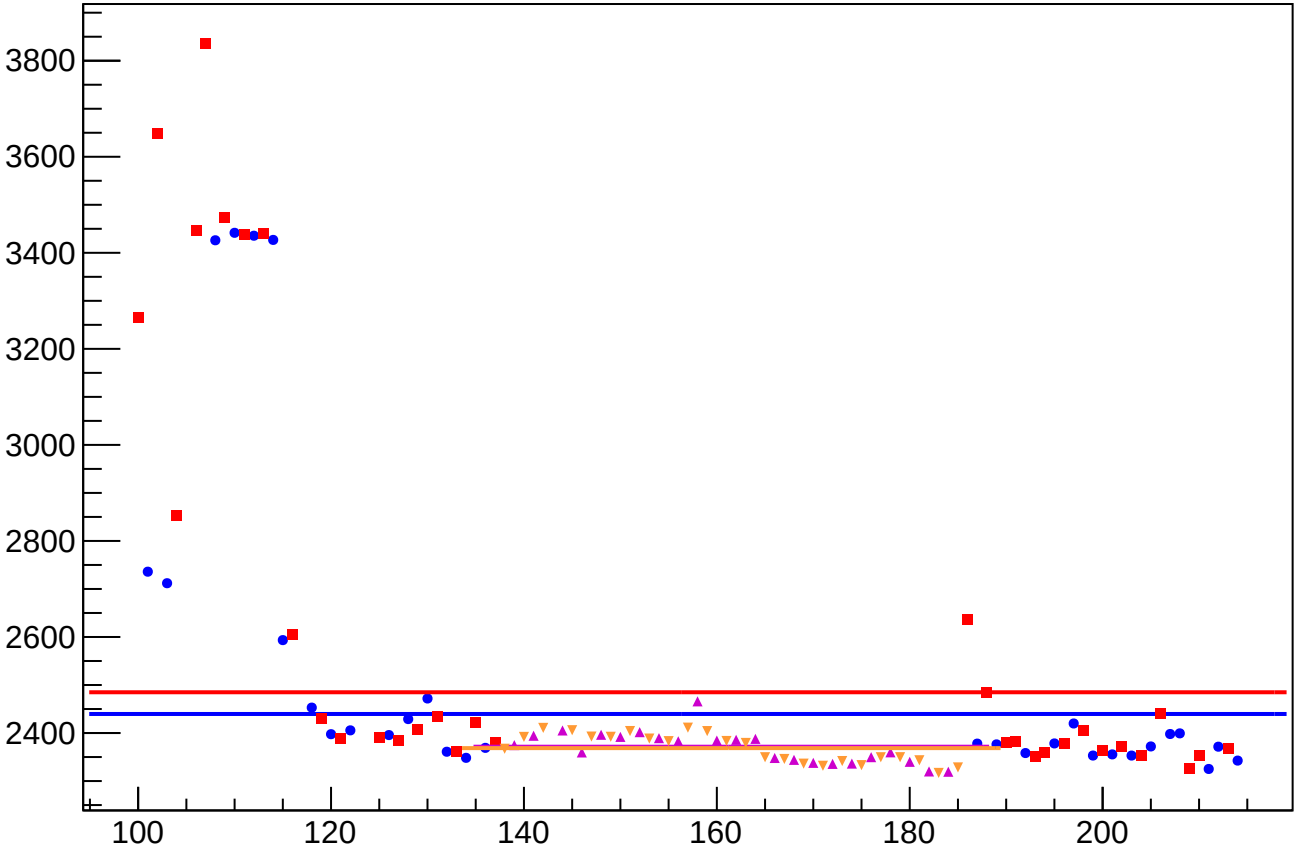
Right: 1655.540+/-406.112 χ^2/NDF: 57.5/62

In: 1887.476+/-397.844 χ^2/NDF:46.3/52

Out: 1190.646+/-397.960 χ^2/NDF:55.4/56

All: 1539.162+/-281.359 χ^2/NDF: 103.3/109

dit_asym_atl1_rms vs Slug, Sign Corrected



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

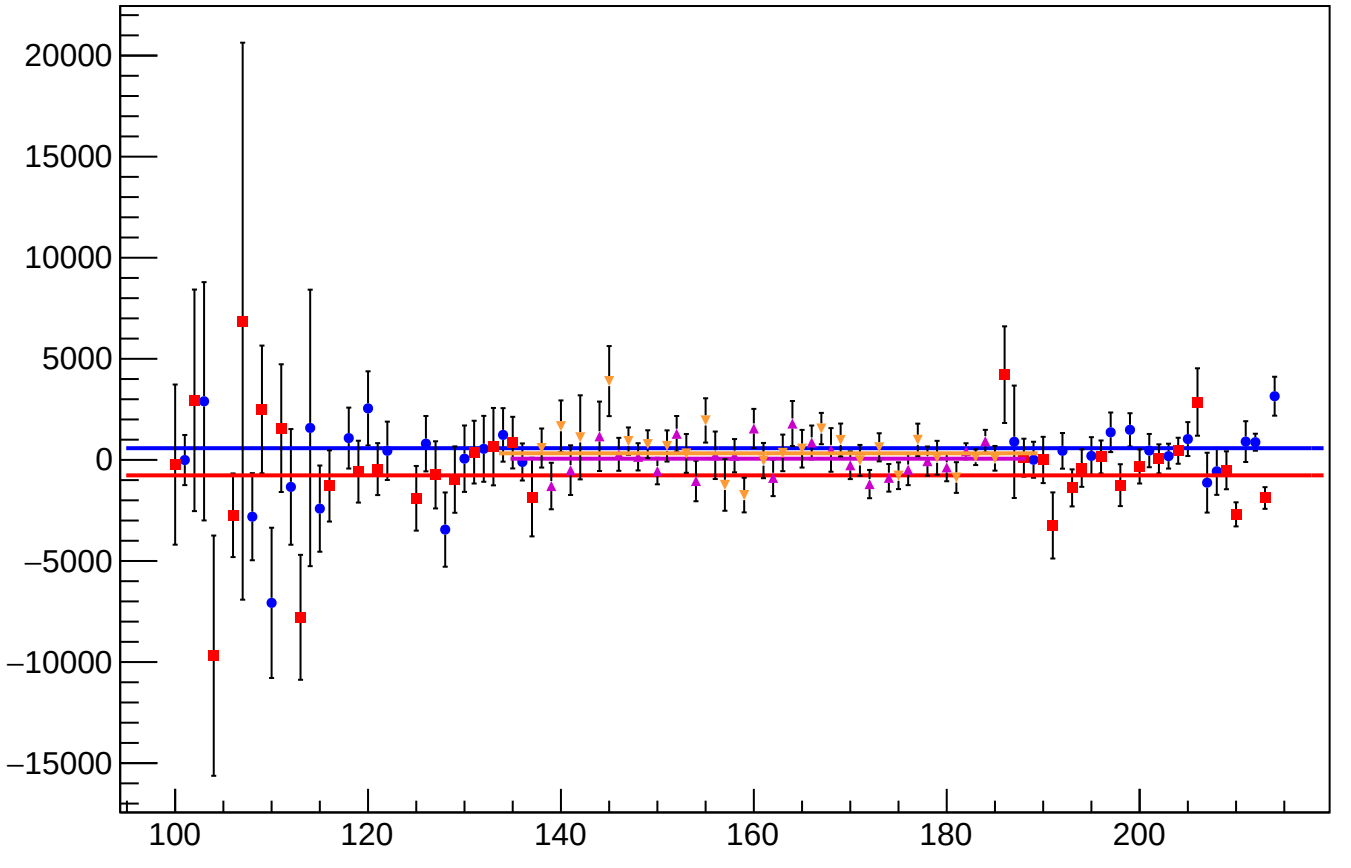
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2462.089+/-0.287 χ^2/NDF: 845136.1/62

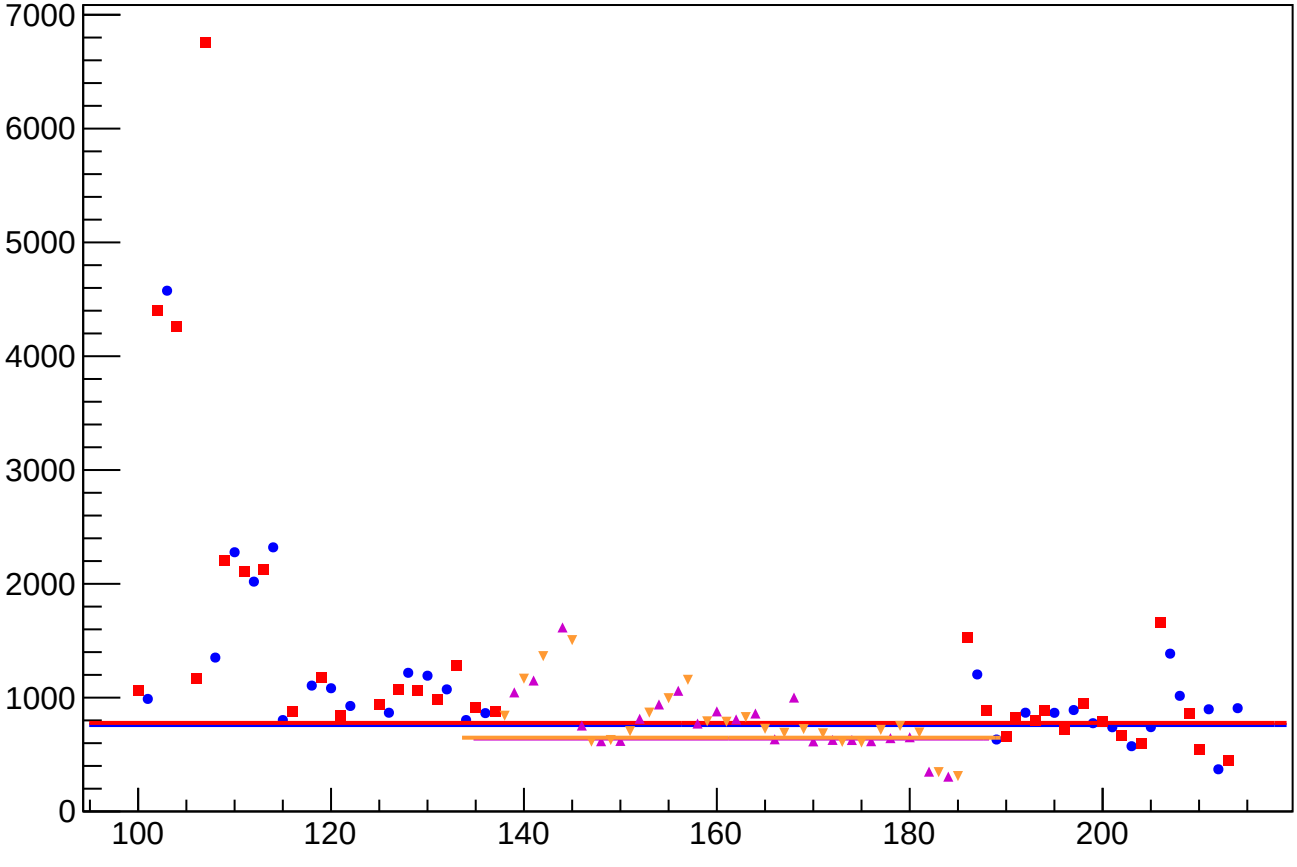
In: 2404.491+/-0.281 χ^2/NDF:309531.9/52

Out: 2423.952+/-0.281 χ^2/NDF:599304.3/56

All: 2414.219+/-0.199 χ^2/NDF: 911228.2/109


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 579.115+/-193.582 χ²/NDF: 29.7/29
Left Out: 325.955+/-160.041 χ²/NDF:26.8/23
Right Out: -764.819+/-198.055 χ²/NDF: 49.2/32
Left In: 59.619+/-159.669 χ²/NDF:22.7/22
Left: 192.477+/-113.035 χ²/NDF: 50.9/46
Right: -77.507+/-138.437 χ²/NDF: 102.5/62
In: 269.949+/-123.176 χ²/NDF:56.7/52
Out: -104.932+/-124.480 χ²/NDF:94.3/56
All: 84.483+/-87.556 χ²/NDF: 155.7/109

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



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

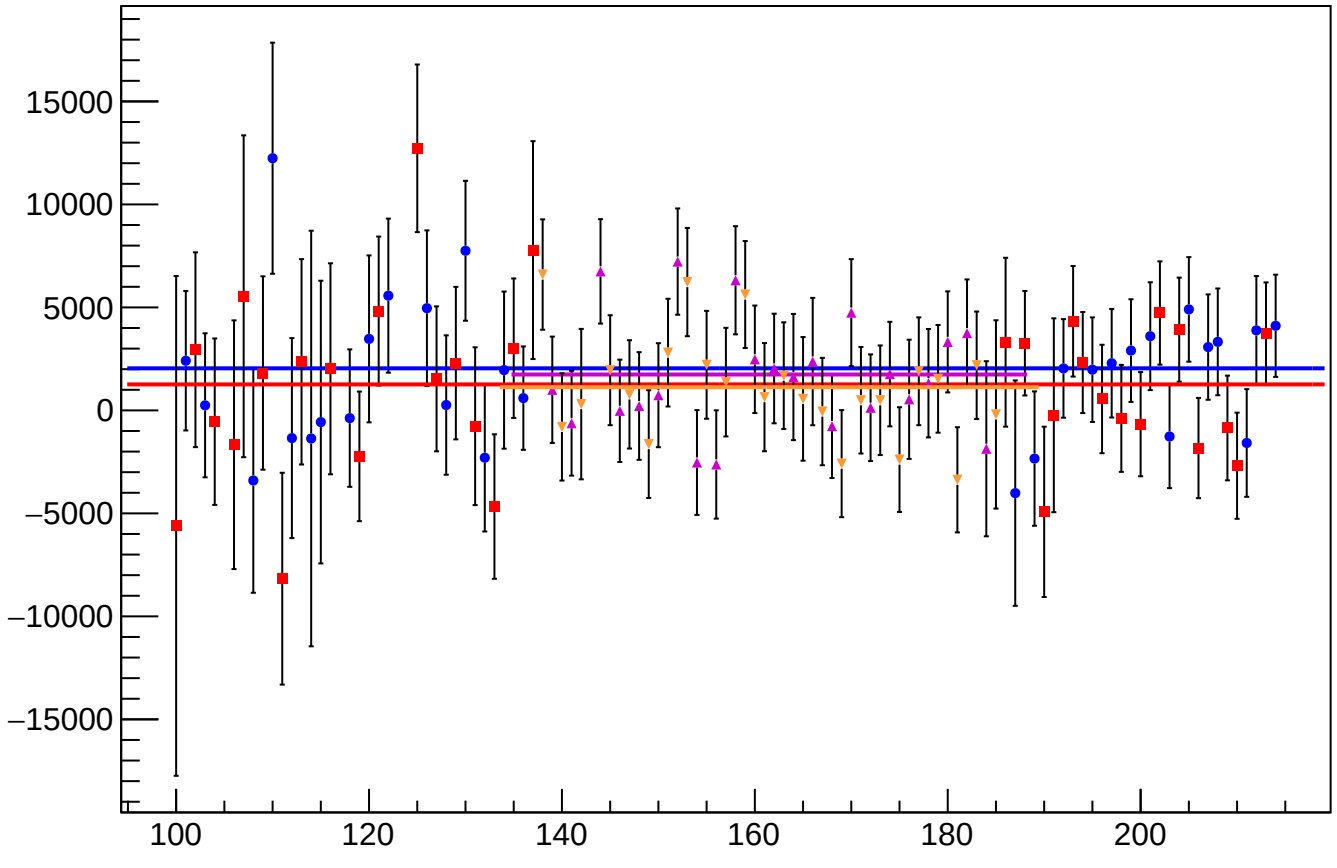
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 768.373+/-0.098 χ^2/NDF: 10950807.1/62

In: 688.501+/-0.087 χ^2/NDF:9654848.6/52

Out: 699.416+/-0.088 χ^2/NDF:10270883.4/56

All: 693.901+/-0.062 χ^2/NDF: 19933500.8/10



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

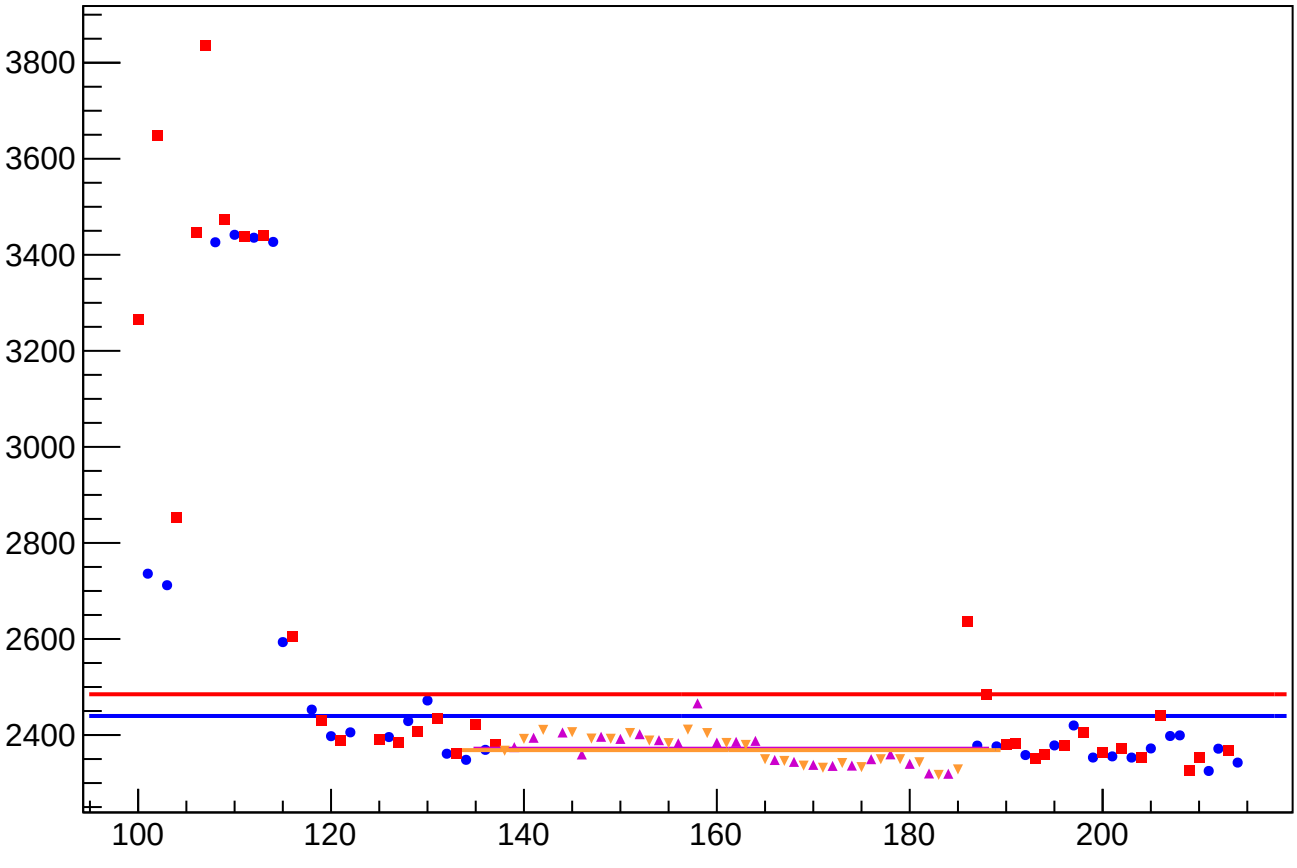
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

Right: 1655.539+/-406.112 χ^2/NDF: 57.5/62

In: 1887.475+/-397.844 χ^2/NDF:46.3/52

Out: 1190.646+/-397.960 χ^2/NDF:55.4/56

All: 1539.162+/-281.359 χ^2/NDF: 103.3/109



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

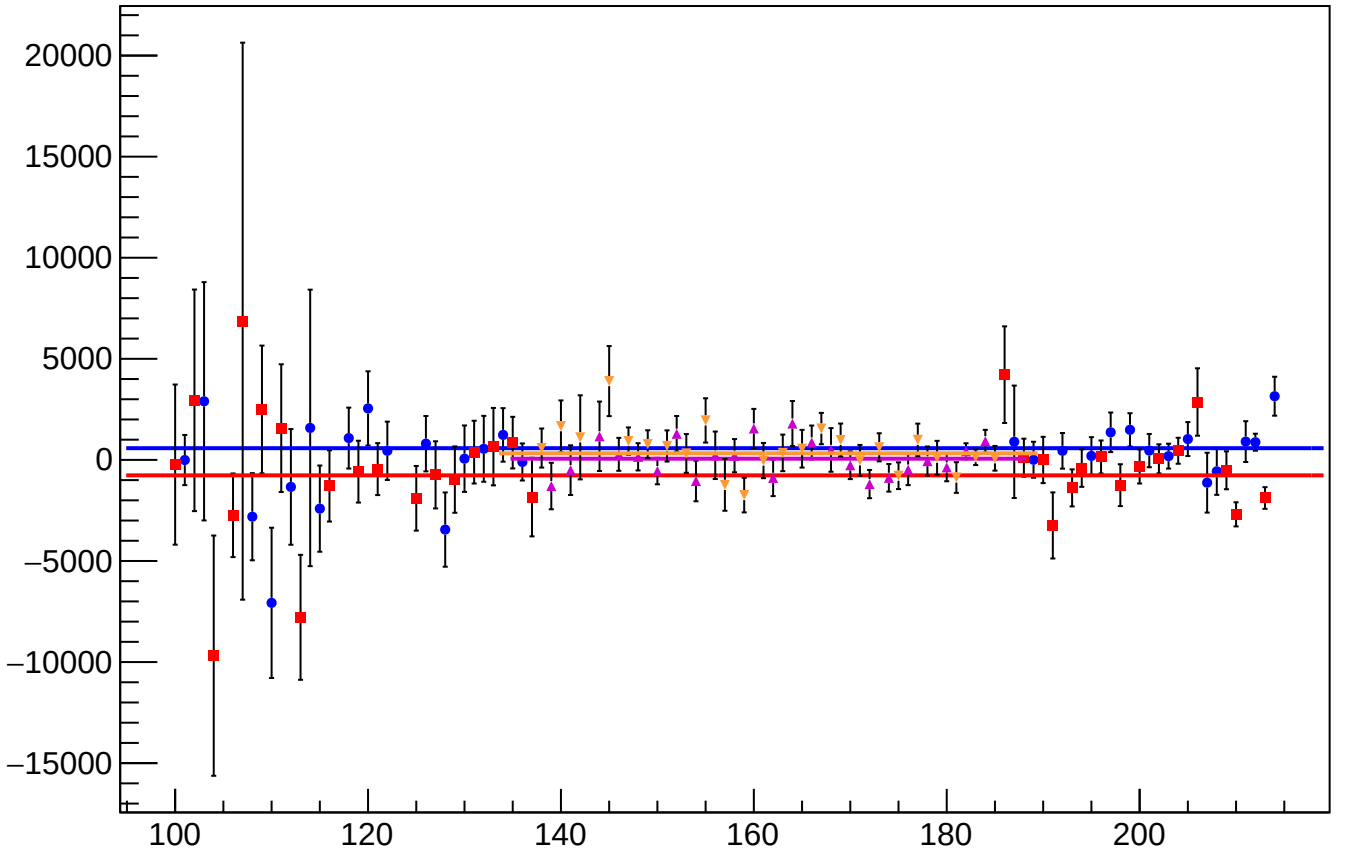
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2462.089+/-0.287 χ^2/NDF: 845134.7/62

In: 2404.491+/-0.281 χ^2/NDF:309531.4/52

Out: 2423.952+/-0.281 χ^2/NDF:599303.3/56

All: 2414.219+/-0.199 χ^2/NDF: 911226.7/109



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

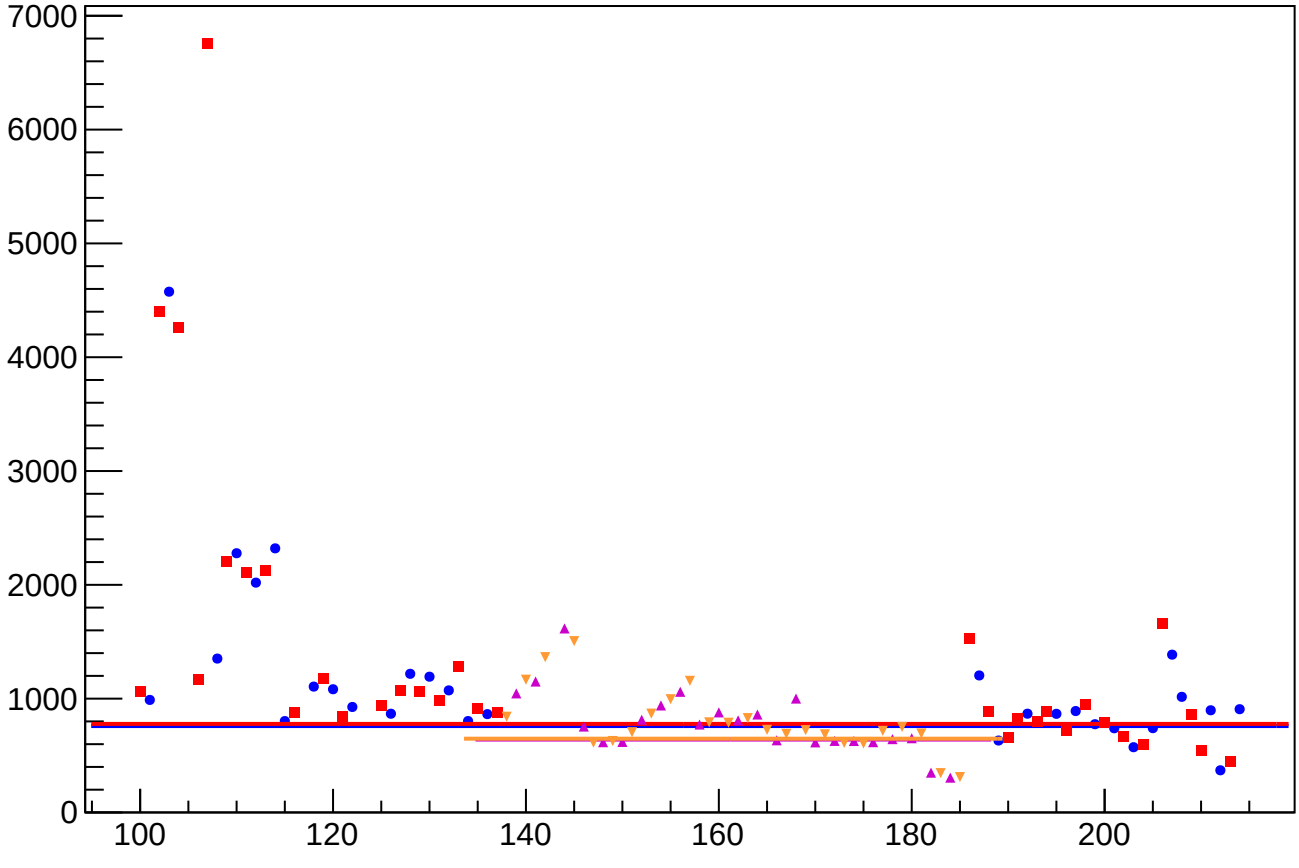
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -77.507+/-138.437 χ^2/NDF: 102.5/62

In: 269.950+/-123.176 χ^2/NDF:56.7/52

Out: -104.933+/-124.480 χ^2/NDF:94.3/56

All: 84.482+/-87.556 χ^2/NDF: 155.7/109



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

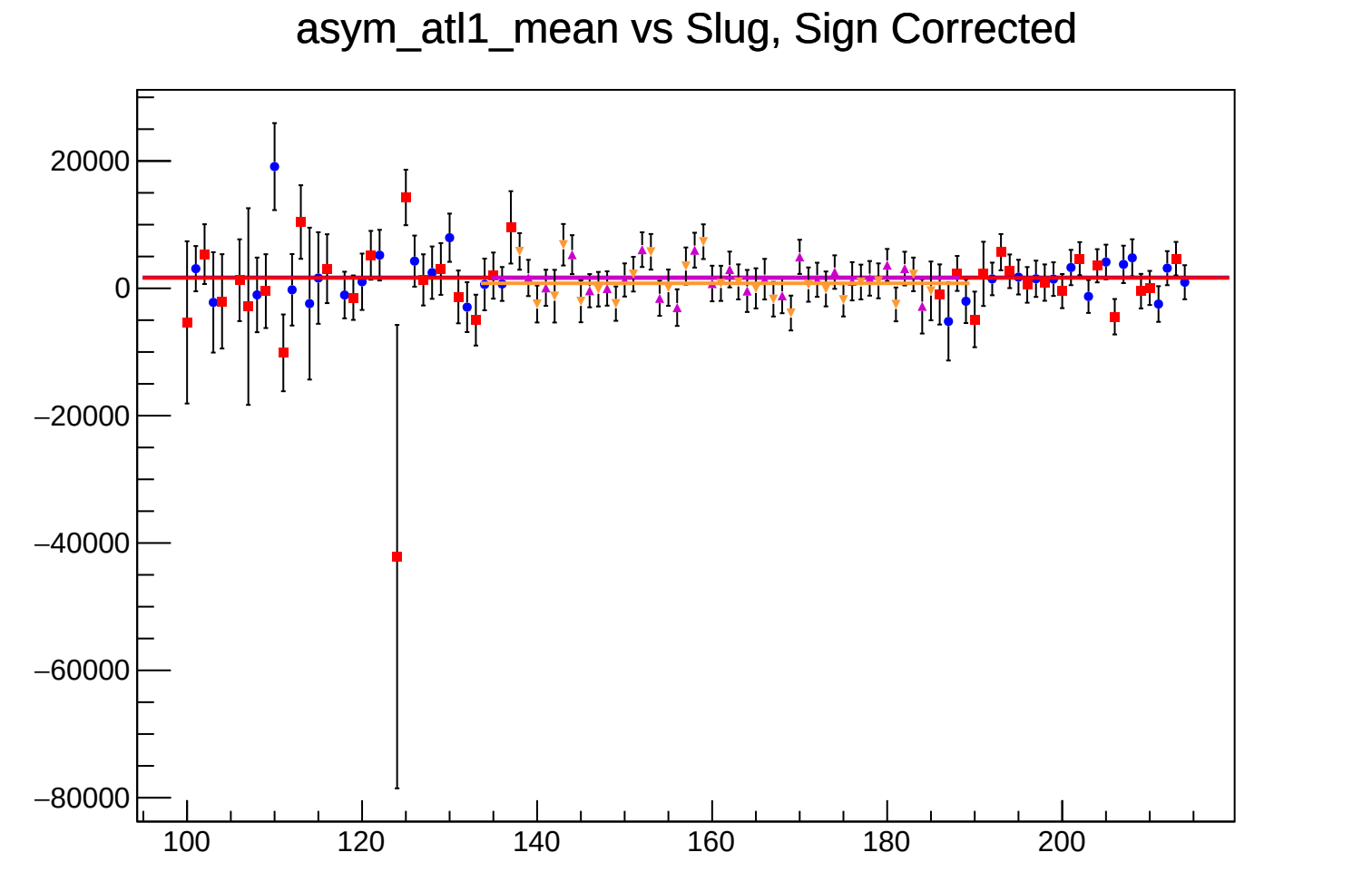
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 768.373+/-0.098 χ^2/NDF: 10950823.6/62

In: 688.502+/-0.087 χ^2/NDF:9654859.1/52

Out: 699.416+/-0.088 χ^2/NDF:10270892.2/56

All: 693.902+/-0.062 χ^2/NDF: 19933520.3/10



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

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

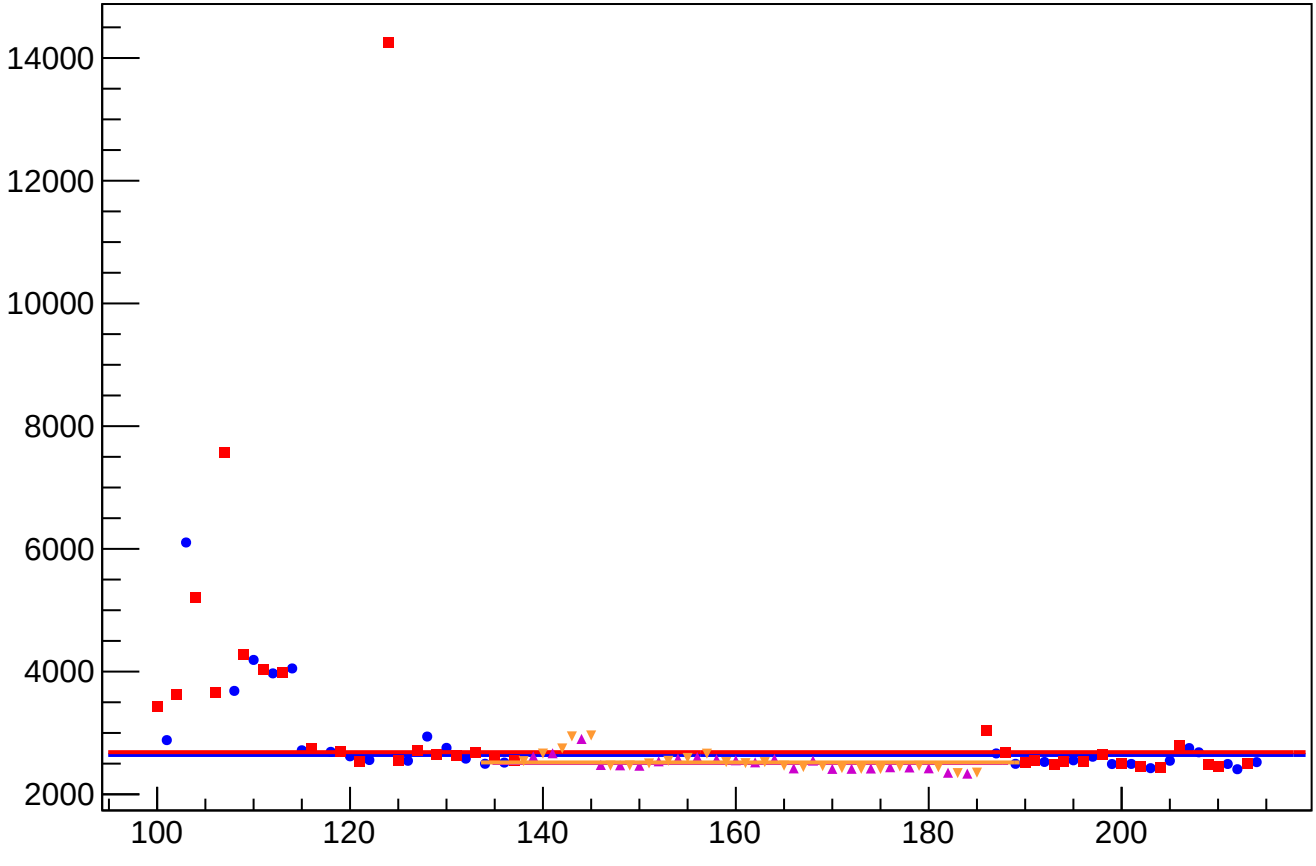
Right: 1672.901+/-442.345 χ^2/NDF: 61.6/63

In: 1681.675+/-427.445 χ^2/NDF:40.0/52

Out: 1174.535+/-423.150 χ^2/NDF:67.1/58

All: 1425.544+/-300.719 χ^2/NDF: 107.8/111

asym_atl1_rms vs Slug, Sign Corrected



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

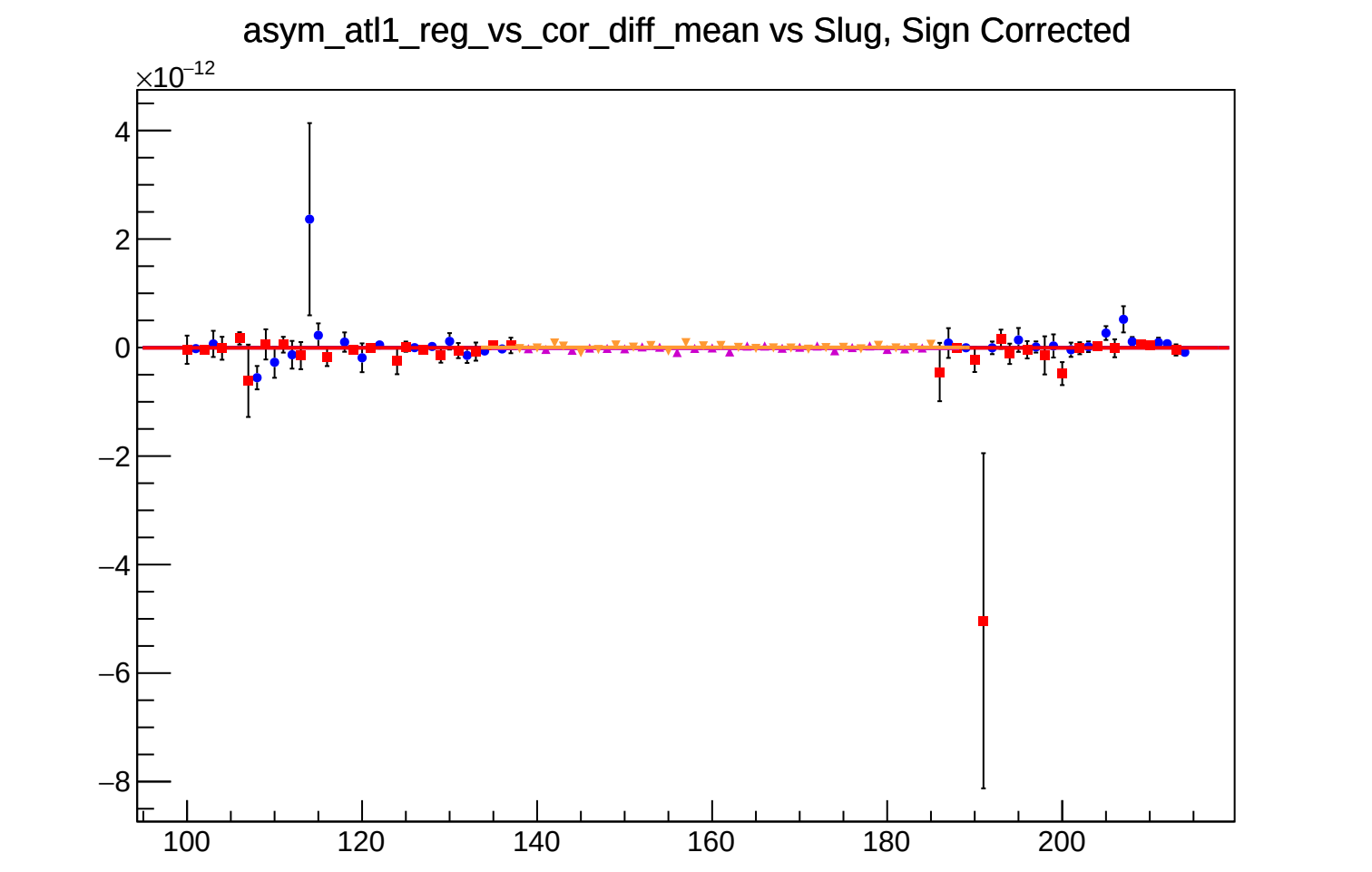
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2664.018+/-0.313 χ^2/NDF: 2043205.6/63

In: 2571.807+/-0.302 χ^2/NDF:910714.0/52

Out: 2595.635+/-0.299 χ^2/NDF:1440756.2/58

All: 2583.841+/-0.213 χ^2/NDF: 2354609.1/11



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

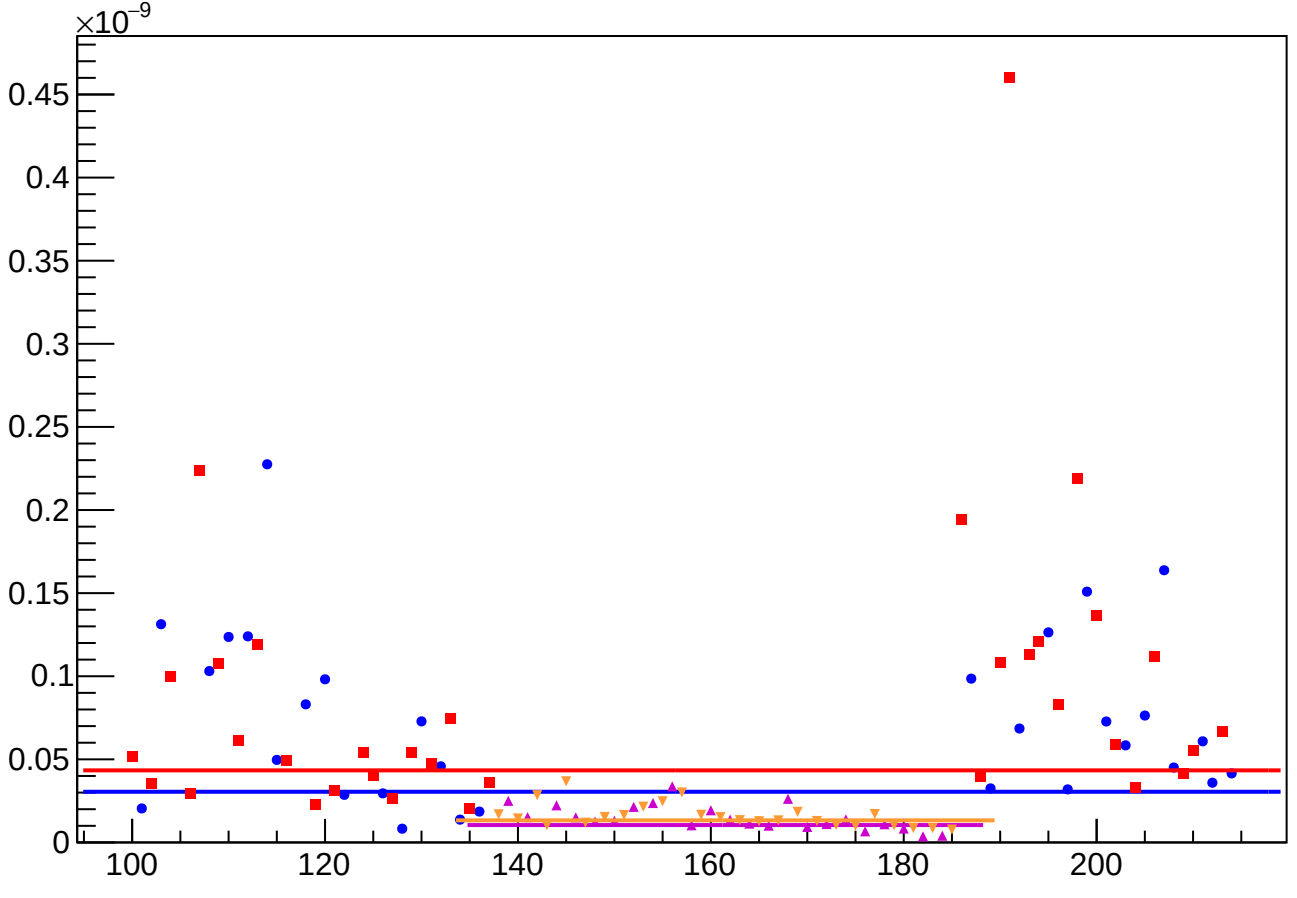
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 52.8/63

In: -0.000+/-0.000 χ^2/NDF:64.6/52

Out: 0.000+/-0.000 χ^2/NDF:49.9/58

All: -0.000+/-0.000 χ^2/NDF: 118.9/111



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

Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

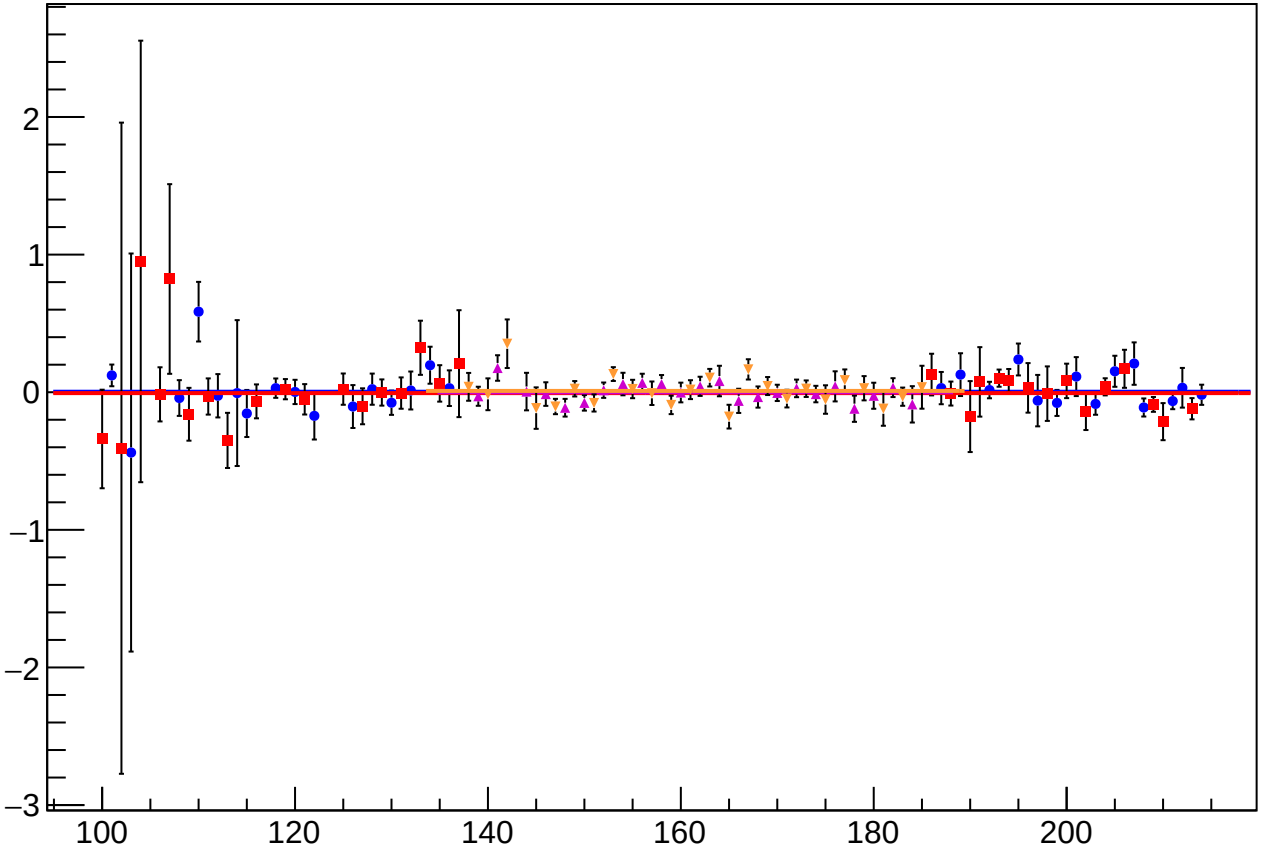
Right: 0.000+/-0.000 χ^2/NDF: 10477939.1/63

In: 0.000+/-0.000 χ^2/NDF:12031358.2/52

Out: 0.000+/-0.000 χ^2/NDF:10546712.1/58

All: 0.000+/-0.000 χ^2/NDF: 23002467.6/111

asym_atl1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

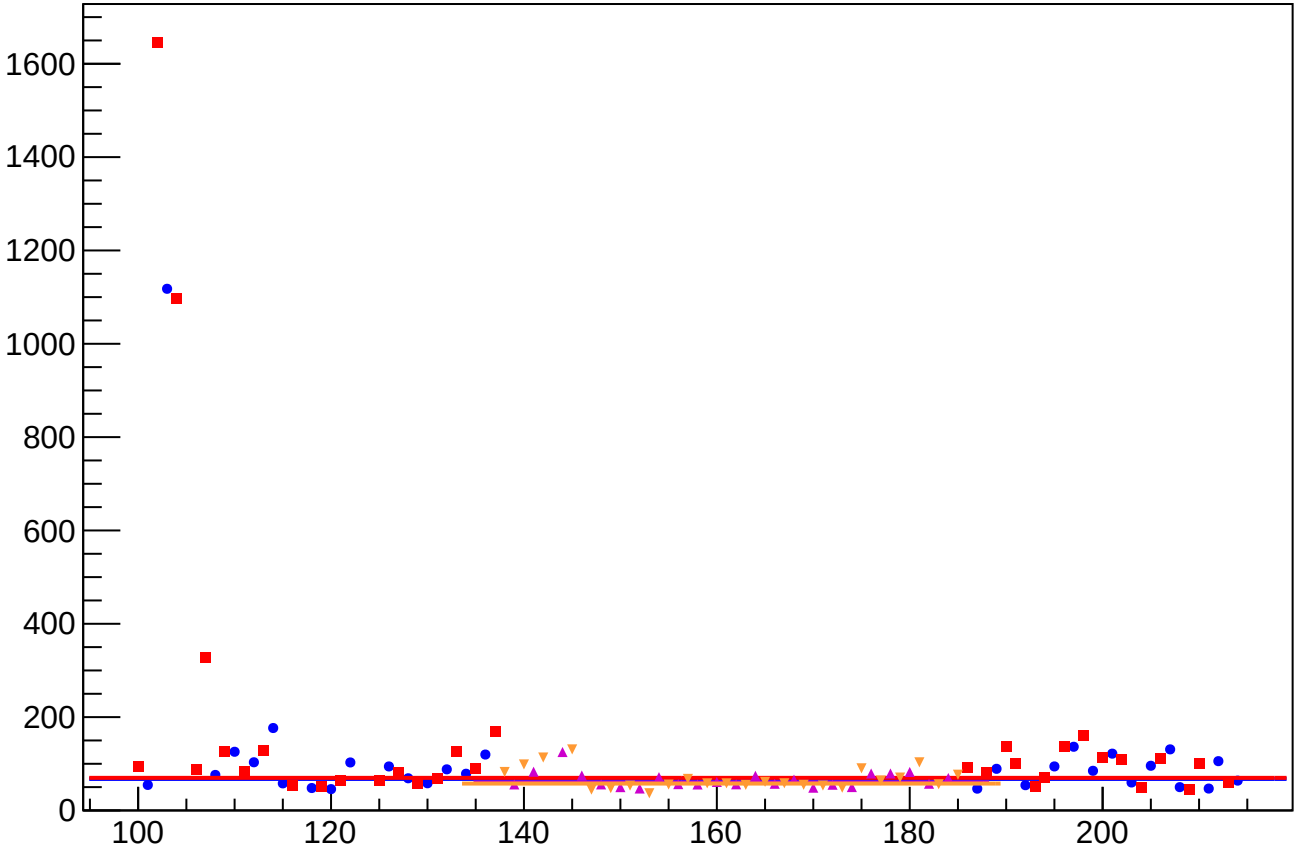
Right: -0.001+/-0.014 χ^2/NDF: 58.0/62

In: 0.001+/-0.012 χ^2/NDF:46.4/52

Out: 0.004+/-0.012 χ^2/NDF:62.2/56

All: 0.002+/-0.008 χ^2/NDF: 108.6/109

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

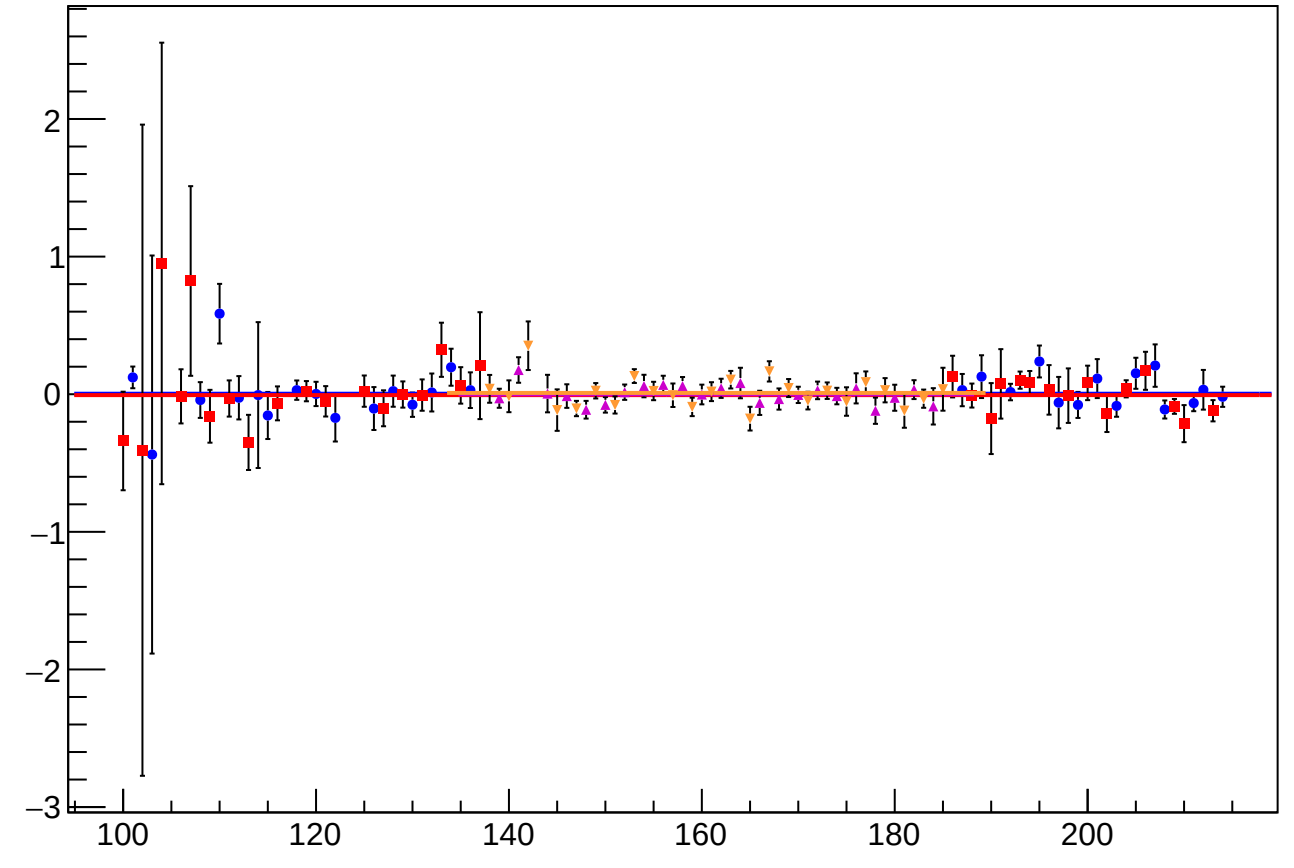
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 68.653+/-0.010 χ^2/NDF: 9679959.6/62

In: 62.932+/-0.008 χ^2/NDF:5777460.6/52

Out: 62.115+/-0.008 χ^2/NDF:8126117.6/56

All: 62.524+/-0.006 χ^2/NDF: 13908216.5/109



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

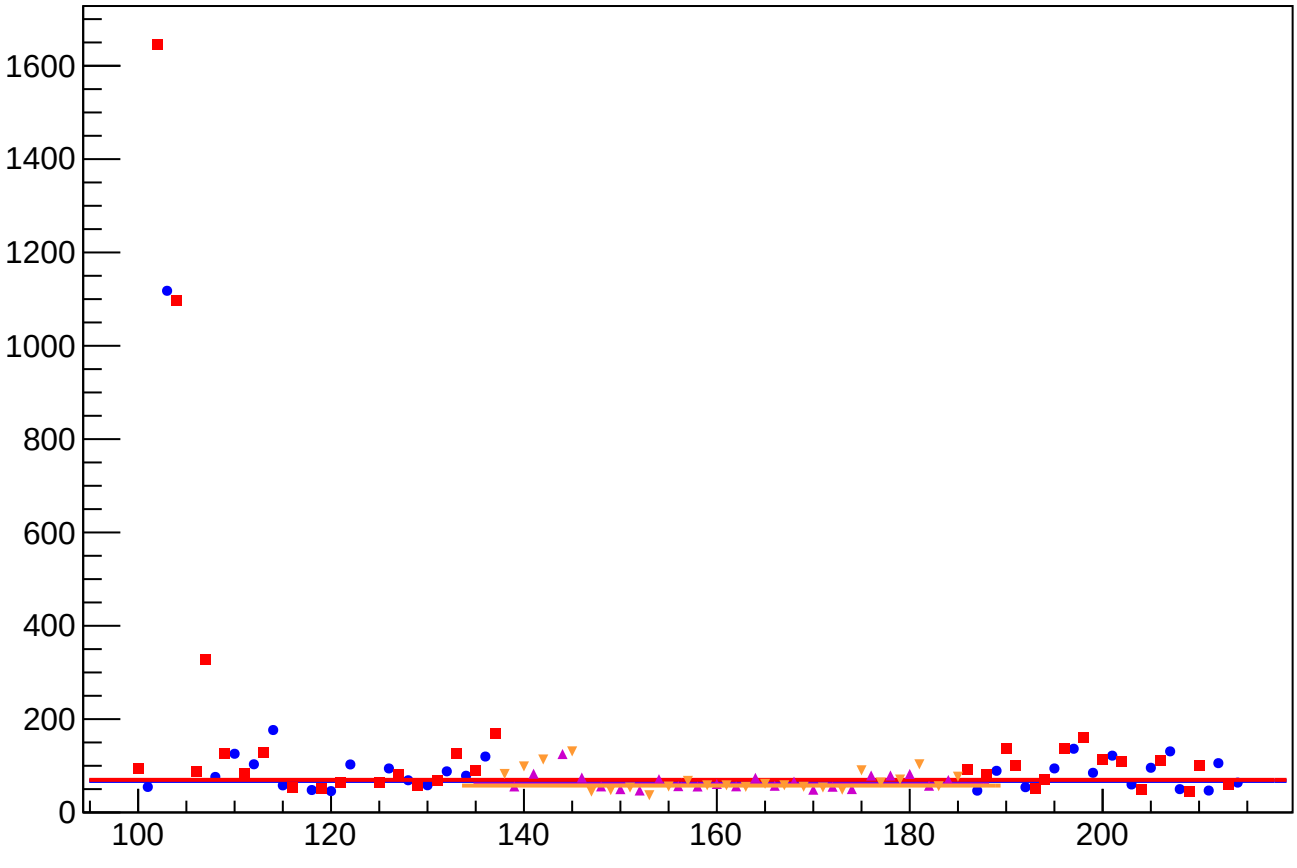
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.001+/-0.014 χ^2/NDF: 58.0/62

In: 0.001+/-0.012 χ^2/NDF:46.4/52

Out: 0.004+/-0.012 χ^2/NDF:62.2/56

All: 0.002+/-0.008 χ^2/NDF: 108.6/109



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

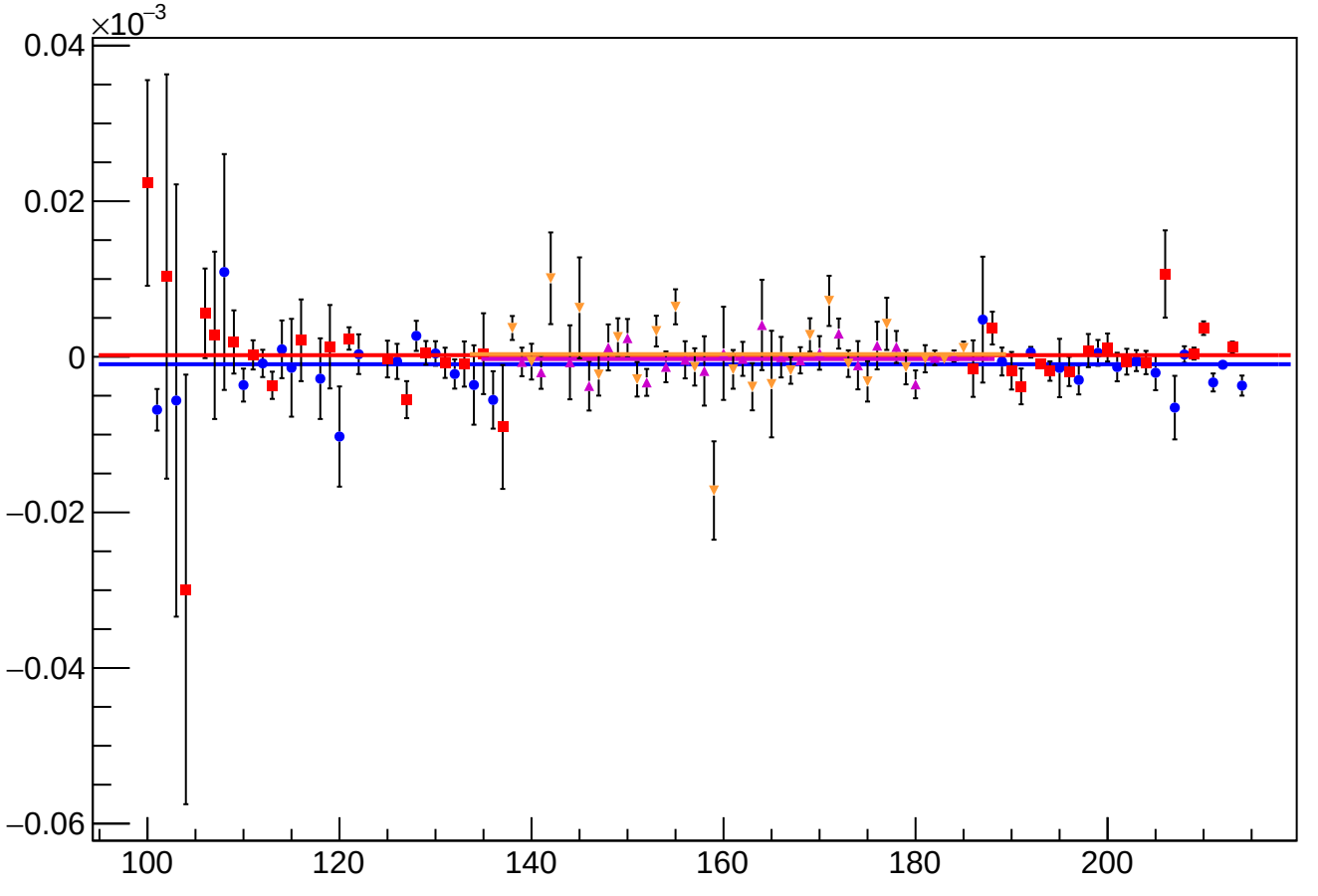
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 68.653+/-0.010 χ^2/NDF: 9679959.6/62

In: 62.932+/-0.008 χ^2/NDF:5777460.6/52

Out: 62.115+/-0.008 χ^2/NDF:8126117.6/56

All: 62.524+/-0.006 χ^2/NDF: 13908216.5/109



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

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

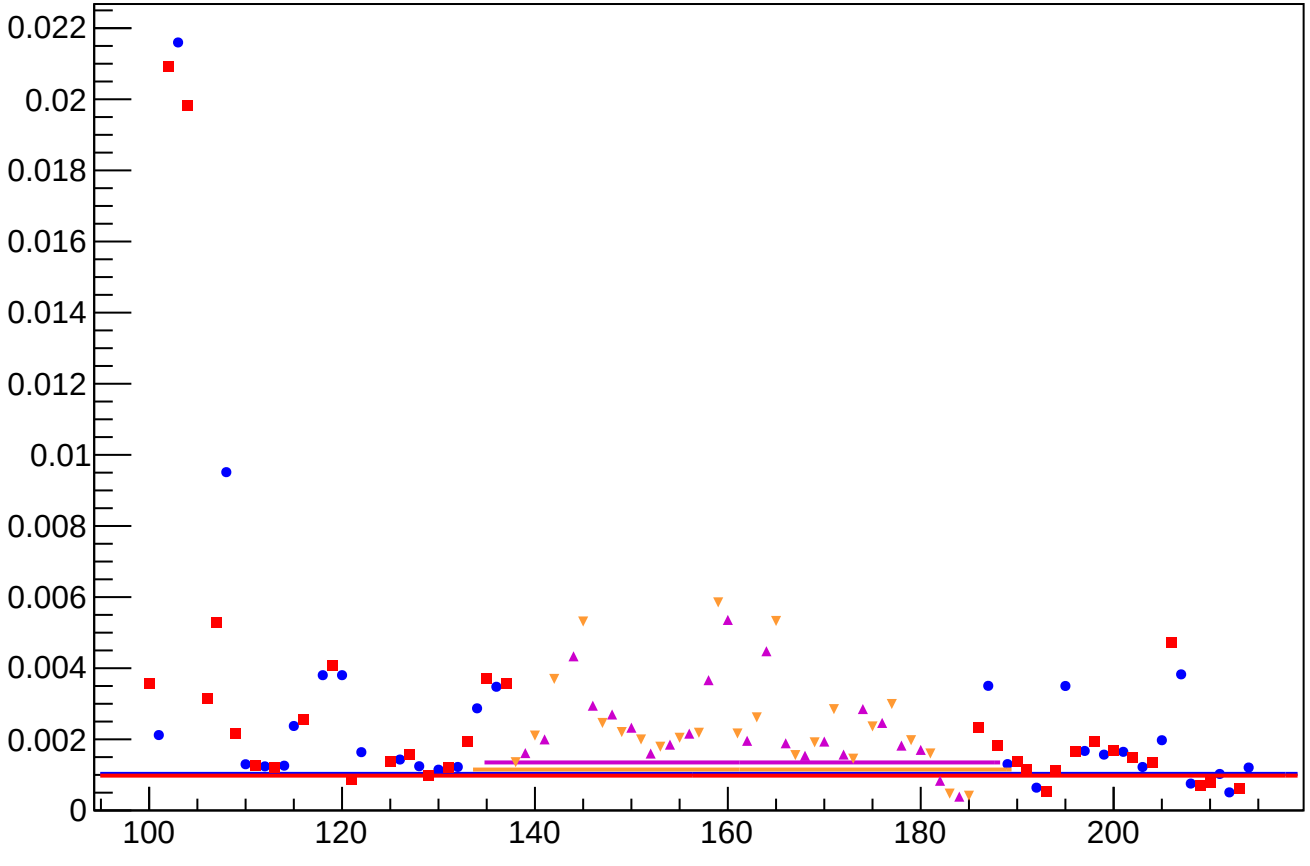
Right: -0.000+/-0.000 χ^2/NDF: 101.1/62

In: -0.000+/-0.000 χ^2/NDF:53.1/52

Out: 0.000+/-0.000 χ^2/NDF:103.3/56

All: -0.000+/-0.000 χ^2/NDF: 165.8/109

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

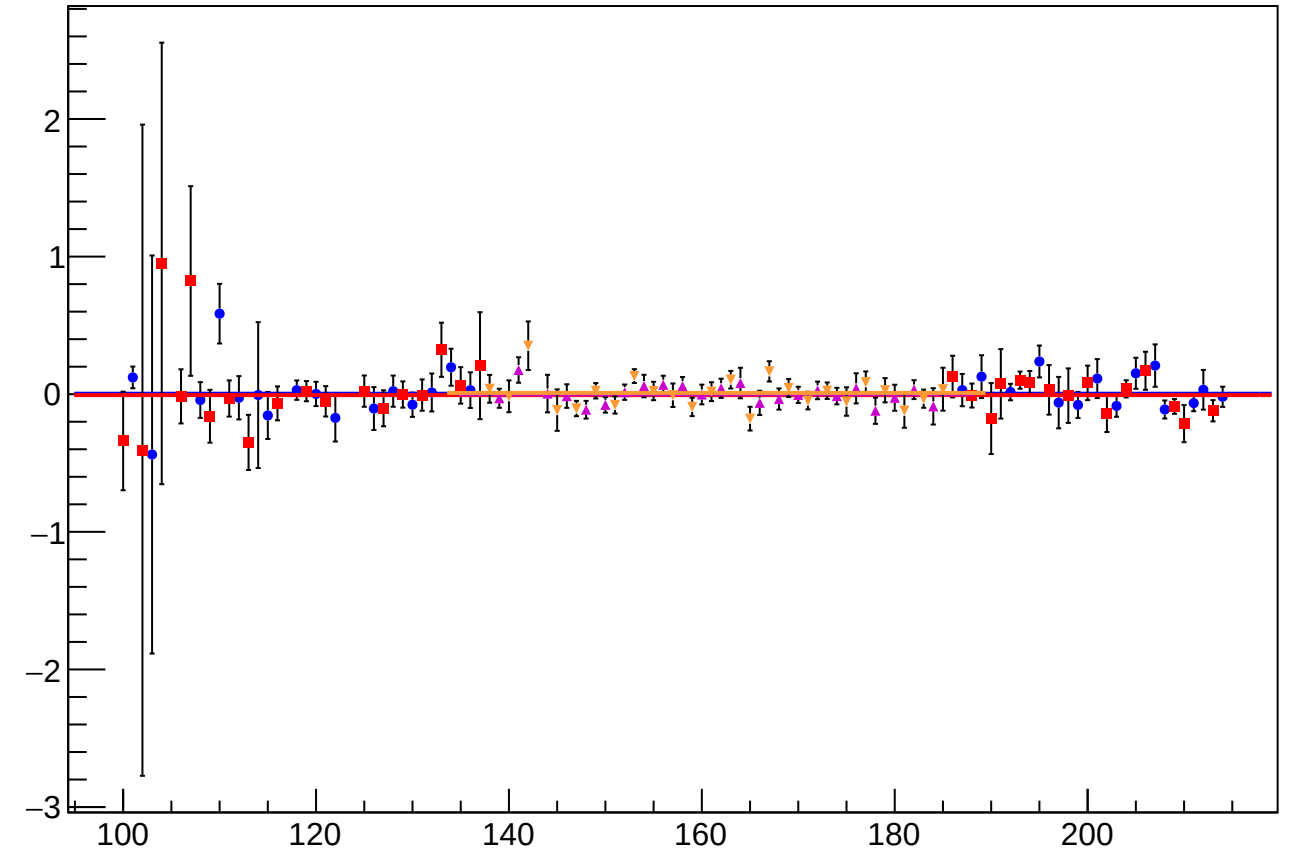
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 19945391.5/62

In: 0.001+/-0.000 χ^2/NDF:21194970.5/52

Out: 0.001+/-0.000 χ^2/NDF:23403702.5/56

All: 0.001+/-0.000 χ^2/NDF: 44798454.1/109



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

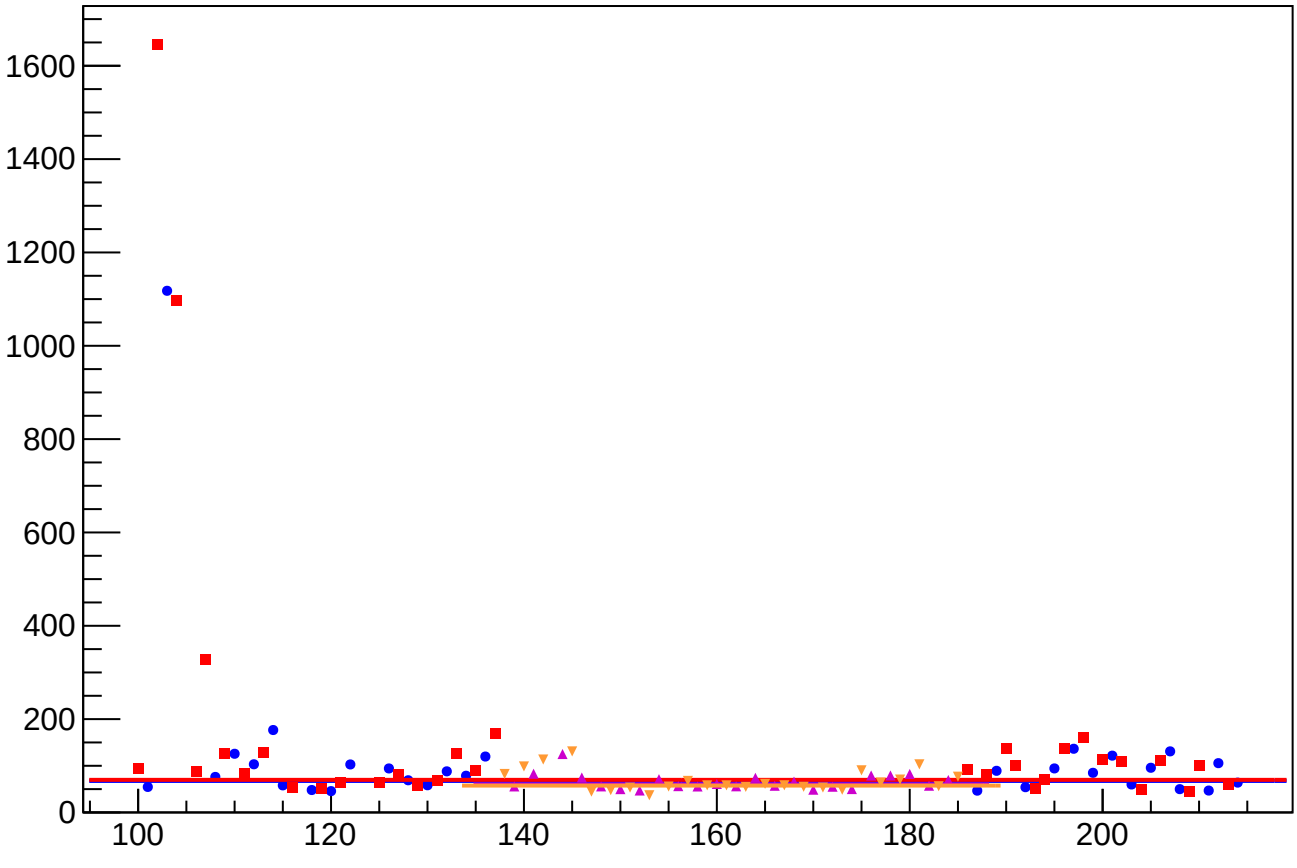
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.001+/-0.014 χ^2/NDF: 58.0/62

In: 0.001+/-0.012 χ^2/NDF:46.4/52

Out: 0.004+/-0.012 χ^2/NDF:62.2/56

All: 0.002+/-0.008 χ^2/NDF: 108.6/109



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

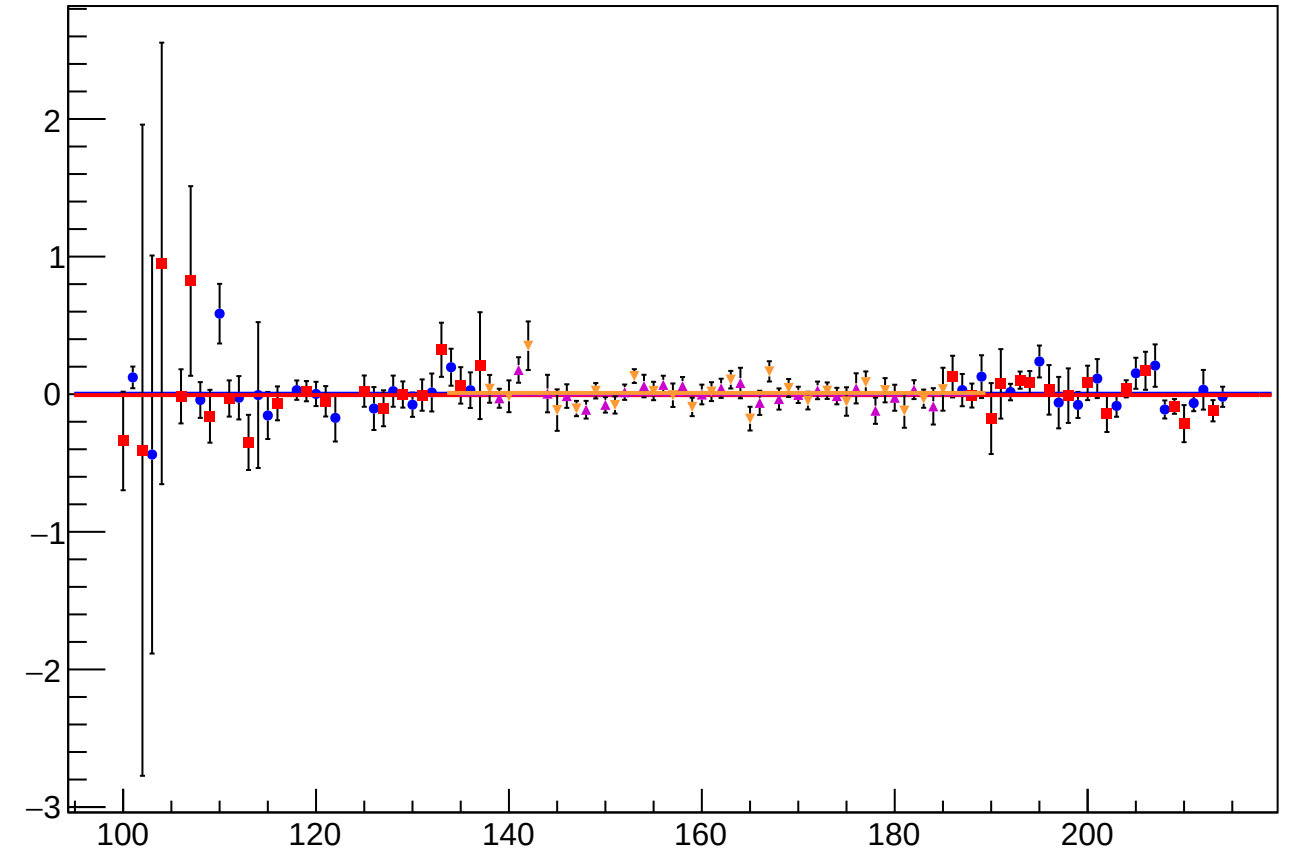
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 68.653+/-0.010 χ^2/NDF: 9680192.6/62

In: 62.932+/-0.008 χ^2/NDF:5777557.4/52

Out: 62.115+/-0.008 χ^2/NDF:8126258.4/56

All: 62.524+/-0.006 χ^2/NDF: 13908454.4/109



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

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

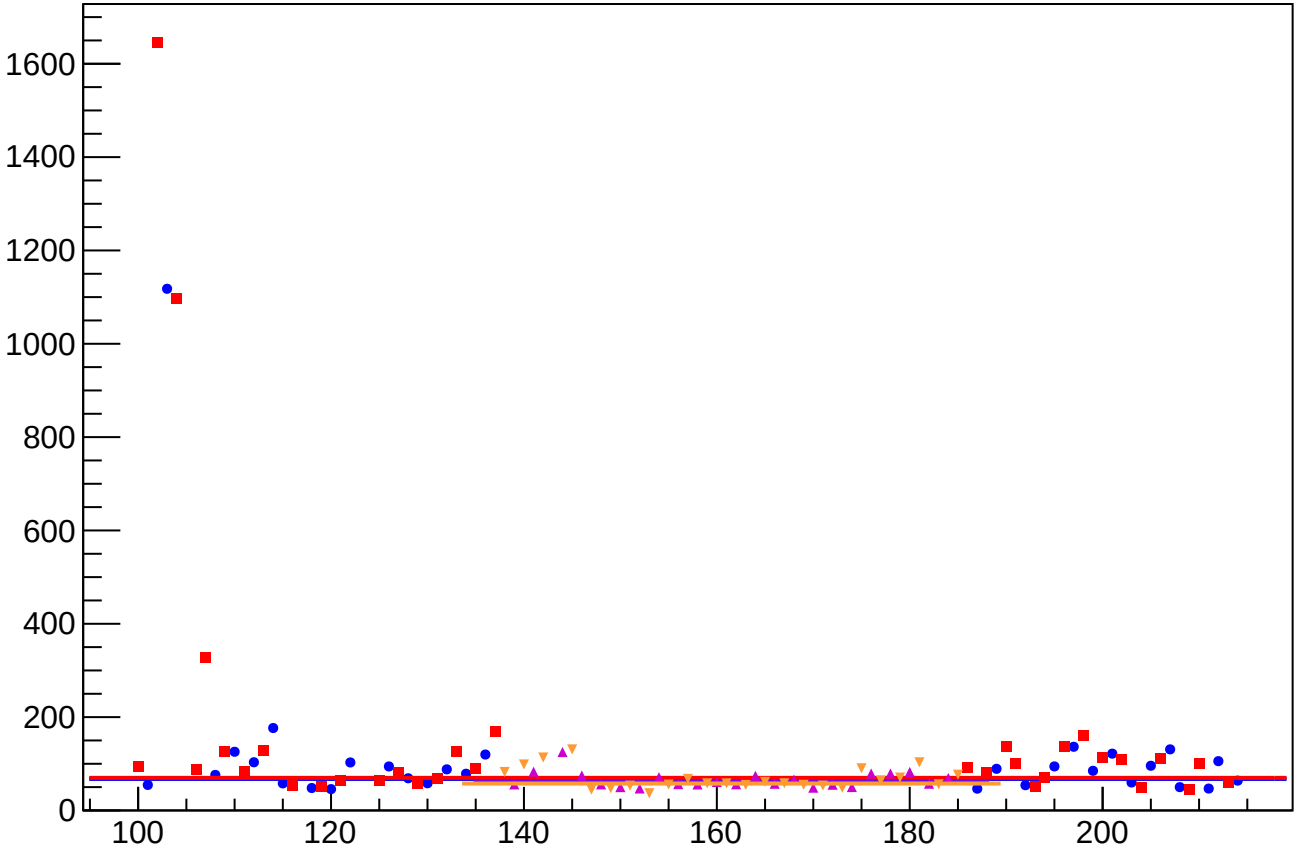
Right: -0.001+/-0.014 χ^2/NDF: 58.0/62

In: 0.001+/-0.012 χ^2/NDF:46.4/52

Out: 0.004+/-0.012 χ^2/NDF:62.2/56

All: 0.002+/-0.008 χ^2/NDF: 108.6/109

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

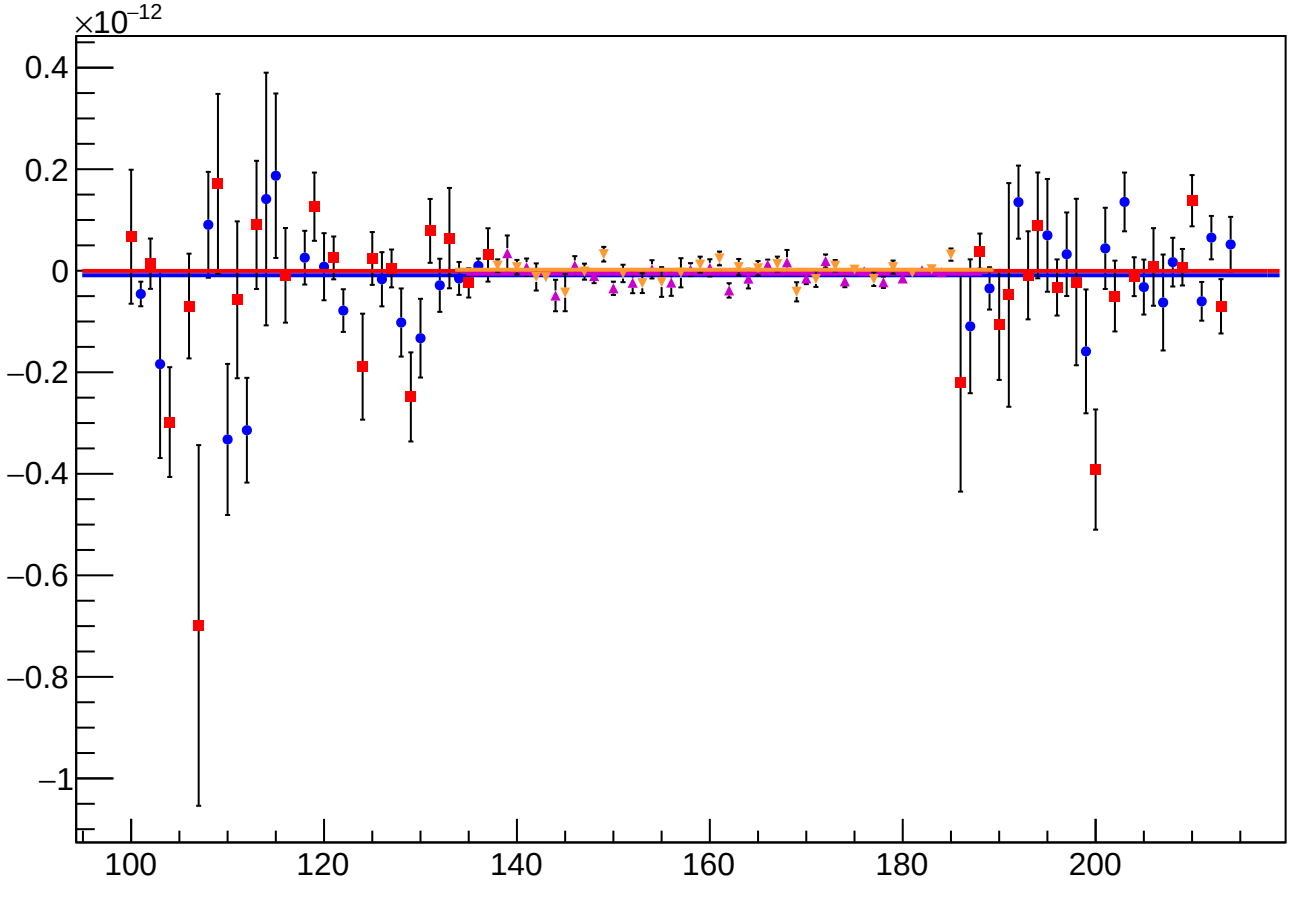
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 68.653+/-0.010 χ^2/NDF: 9680192.6/62

In: 62.932+/-0.008 χ^2/NDF:5777557.4/52

Out: 62.115+/-0.008 χ^2/NDF:8126258.4/56

All: 62.524+/-0.006 χ^2/NDF: 13908454.4/109



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

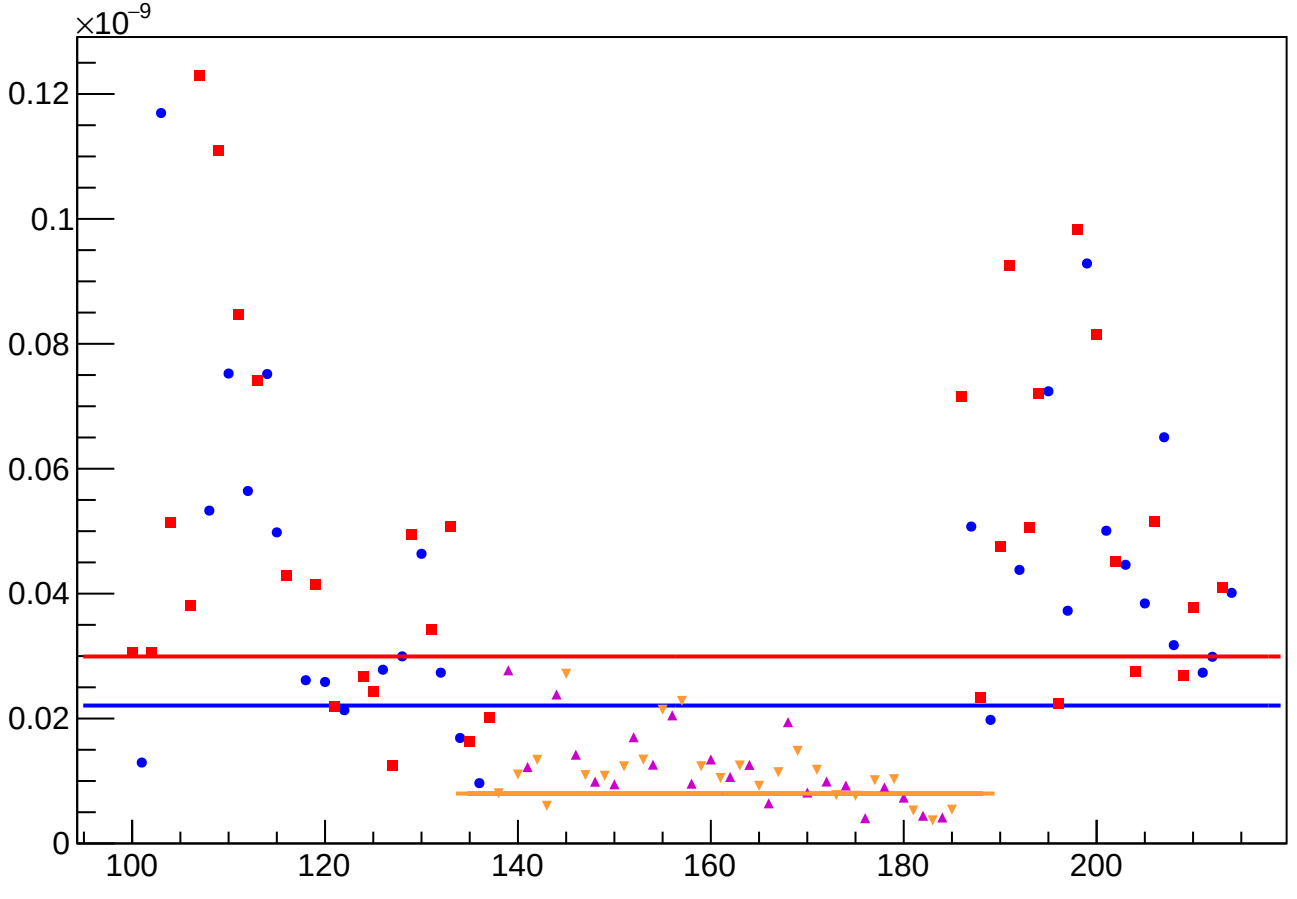
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 107.6/63

In: -0.000+/-0.000 χ^2/NDF:82.4/52

Out: 0.000+/-0.000 χ^2/NDF:89.5/58

All: -0.000+/-0.000 χ^2/NDF: 177.4/111



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

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

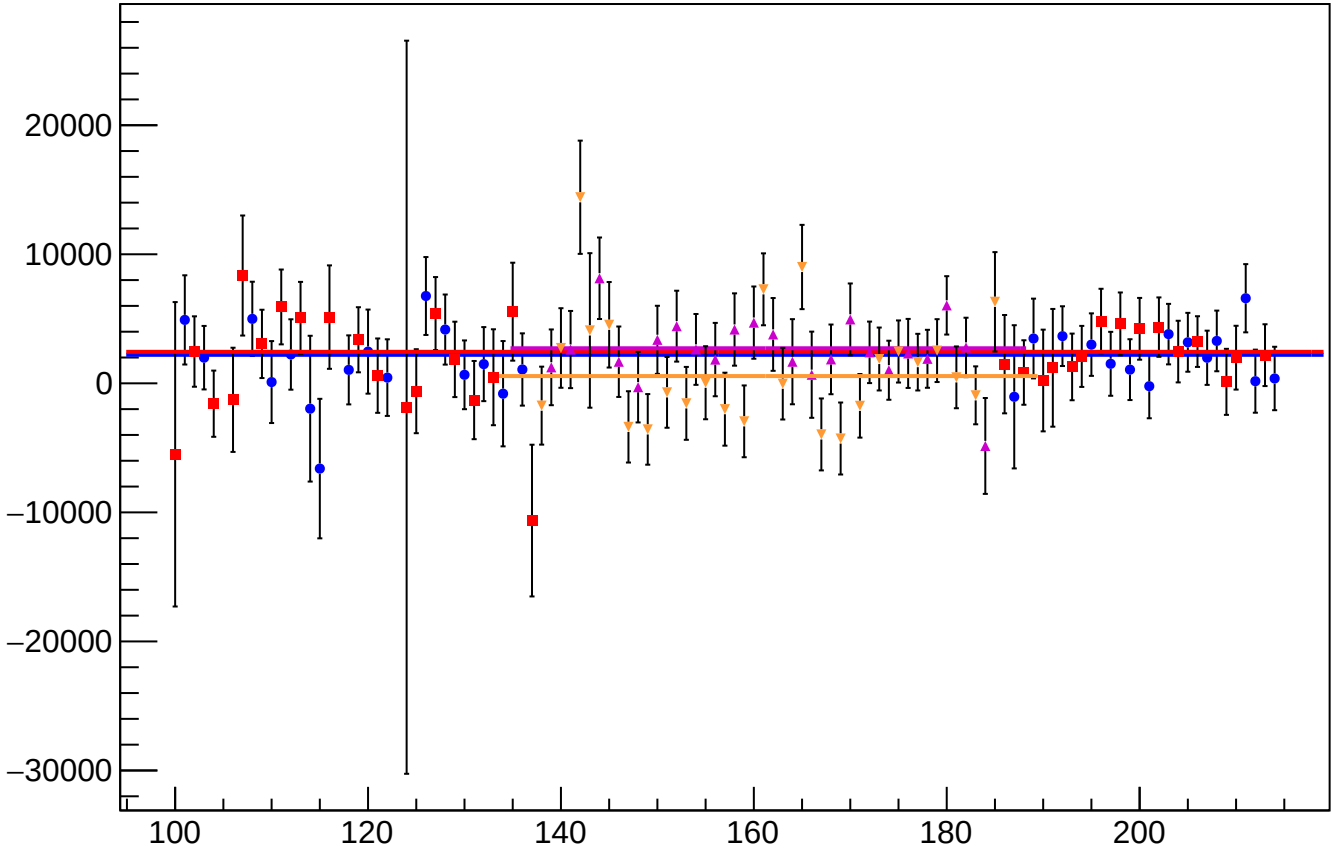
Right: 0.000+/-0.000 χ^2/NDF: 11562432.3/63

In: 0.000+/-0.000 χ^2/NDF:16725549.8/52

Out: 0.000+/-0.000 χ^2/NDF:17676816.4/58

All: 0.000+/-0.000 χ^2/NDF: 34402459.0/111

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

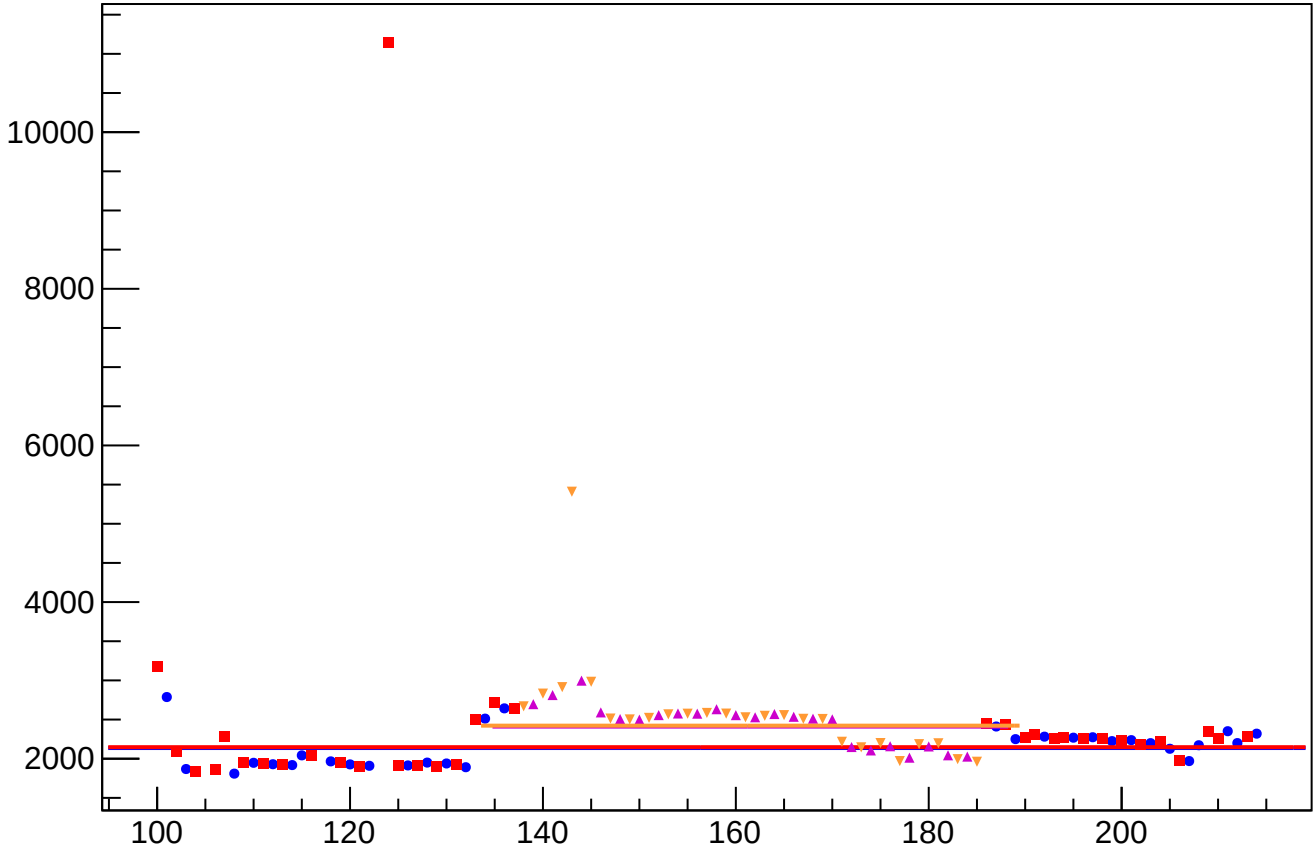
Right: 2326.050+/-353.436 χ^2/NDF: 40.2/63

In: 2432.520+/-375.612 χ^2/NDF:31.6/52

Out: 1607.239+/-371.231 χ^2/NDF:73.6/58

All: 2015.038+/-264.035 χ^2/NDF: 107.6/111

reg_asym_atl2_rms vs Slug, Sign Corrected



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

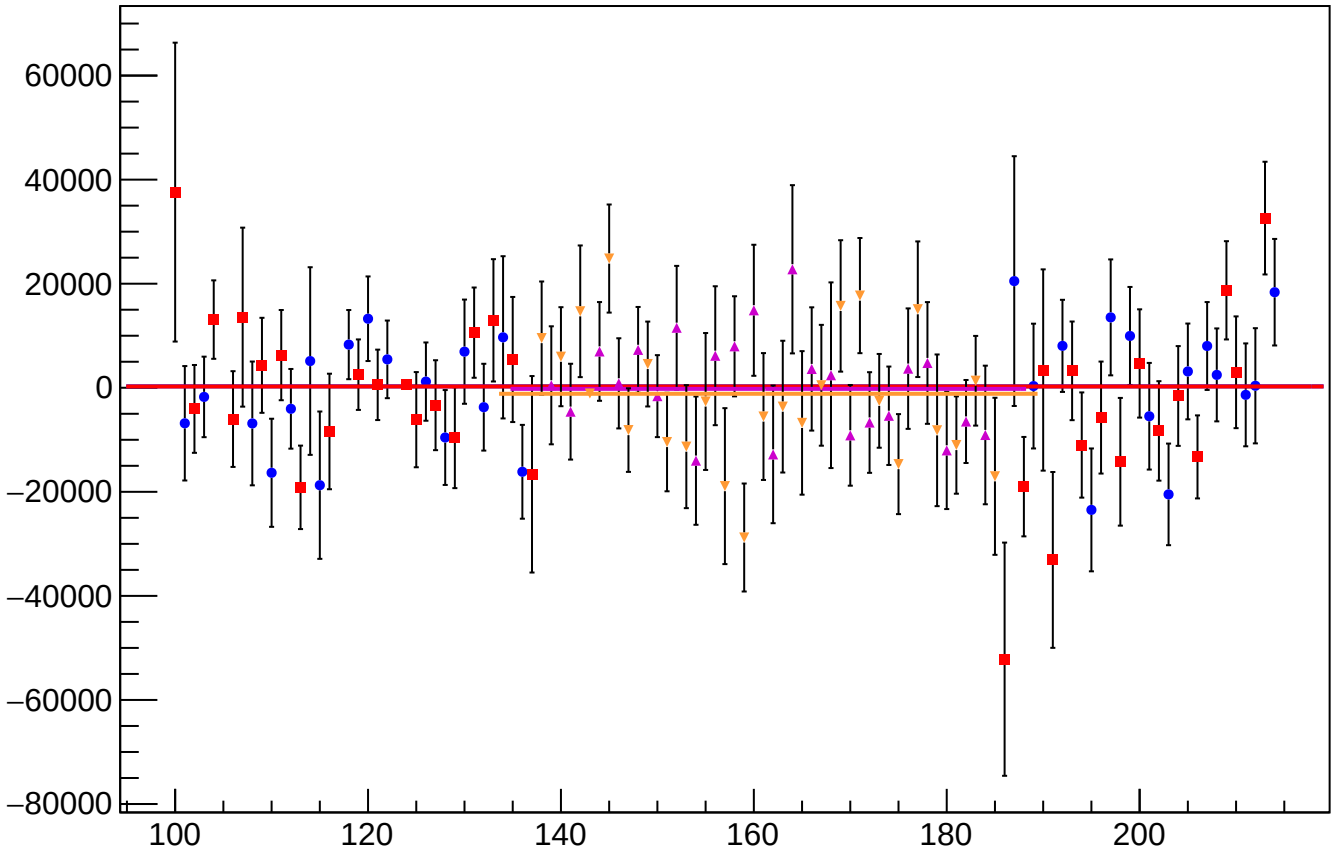
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2141.915+/-0.250 χ^2/NDF: 923339.7/63

In: 2256.761+/-0.266 χ^2/NDF:1062028.6/52

Out: 2269.239+/-0.262 χ^2/NDF:1773736.1/58

All: 2263.073+/-0.187 χ^2/NDF: 2836881.2/11



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

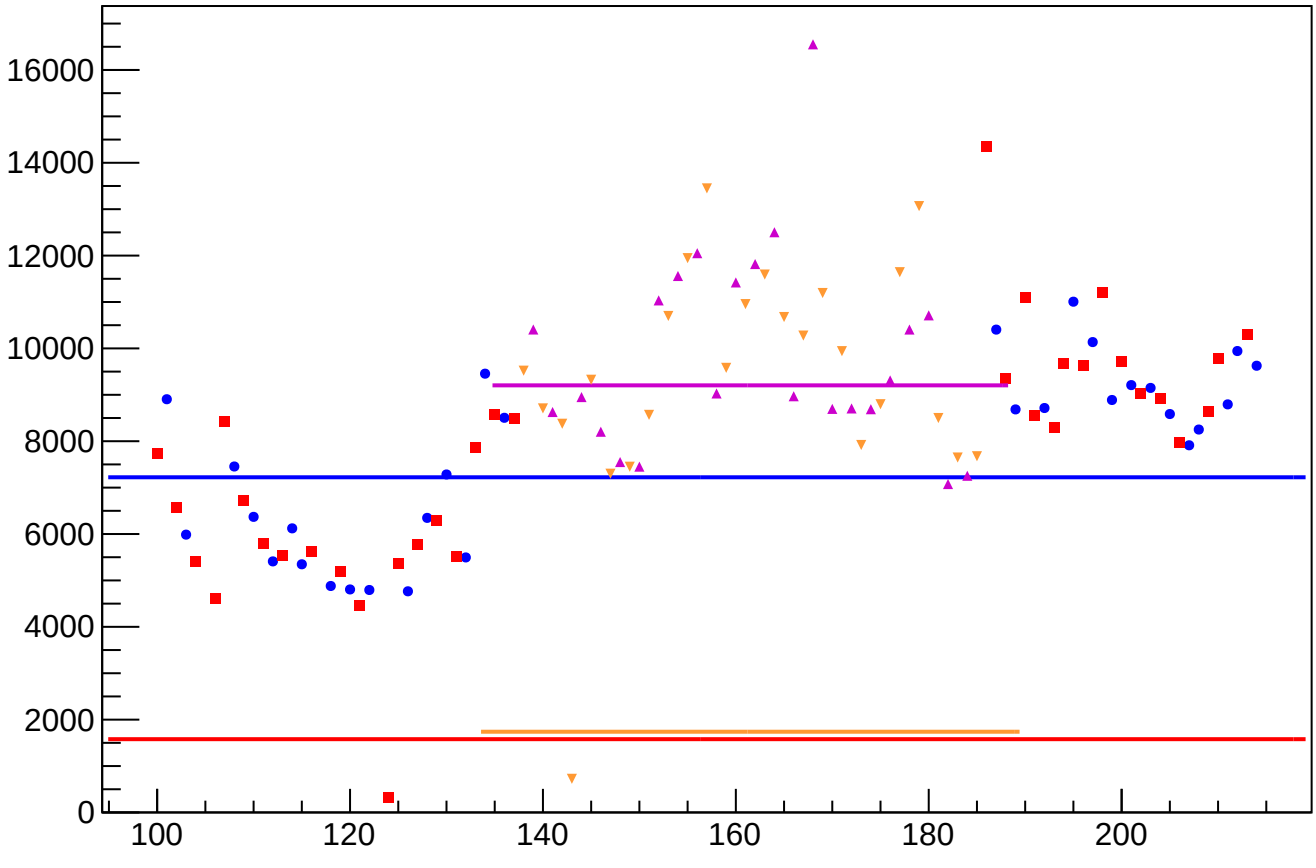
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 249.516+/-681.758 χ^2/NDF: 84.4/63

In: 83.548+/-1367.940 χ^2/NDF:46.0/52

Out: -439.769+/-529.552 χ^2/NDF:85.5/58

All: -371.566+/-493.840 χ^2/NDF: 131.6/111



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

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

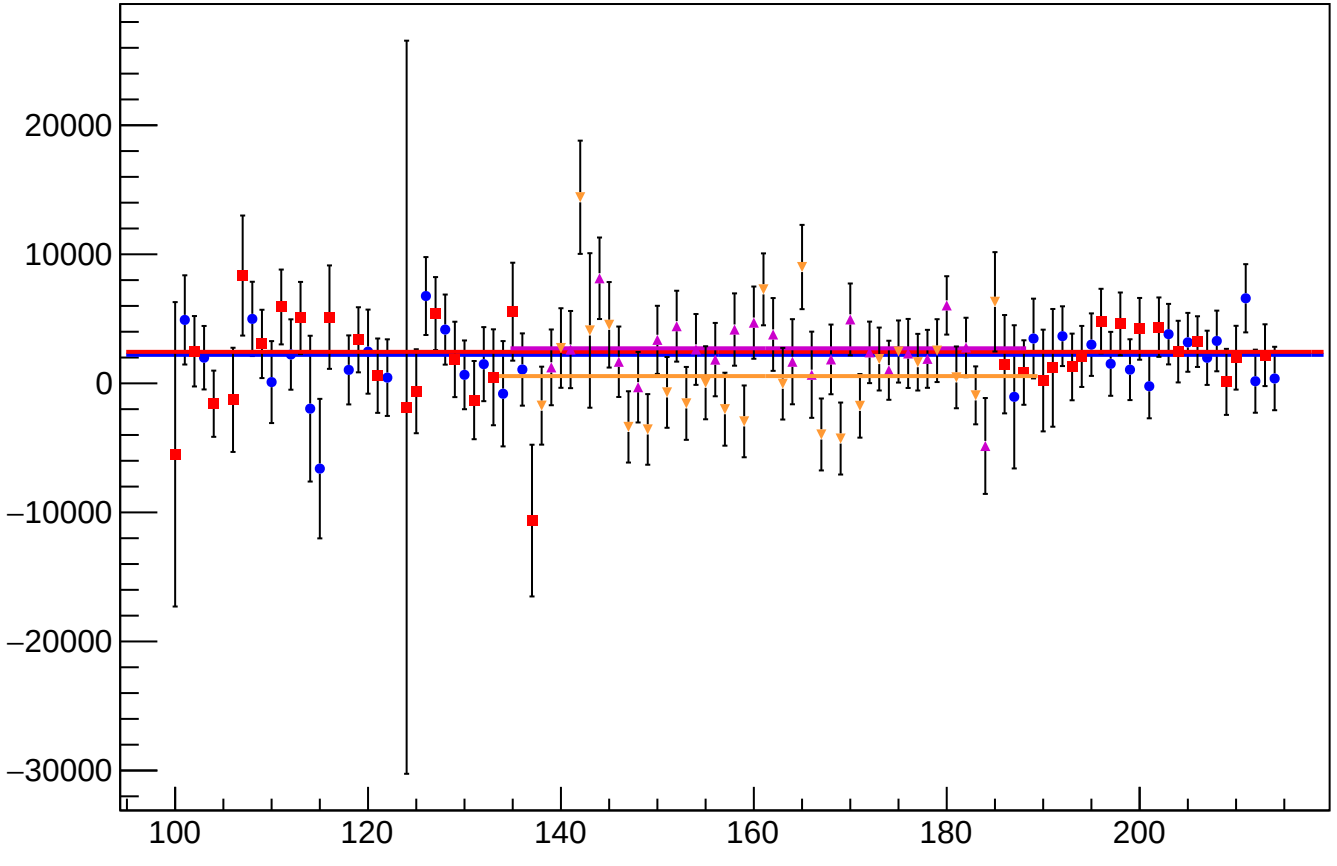
Right: 2436.554+/-0.482 χ^2/NDF: 48535619.2/63

In: 7992.132+/-0.967 χ^2/NDF:4615723.4/52

Out: 1657.557+/-0.374 χ^2/NDF:56310317.3/58

All: 2483.130+/-0.349 χ^2/NDF: 98224107.2/

cor_asym_atl2_mean vs Slug, Sign Corrected



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

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

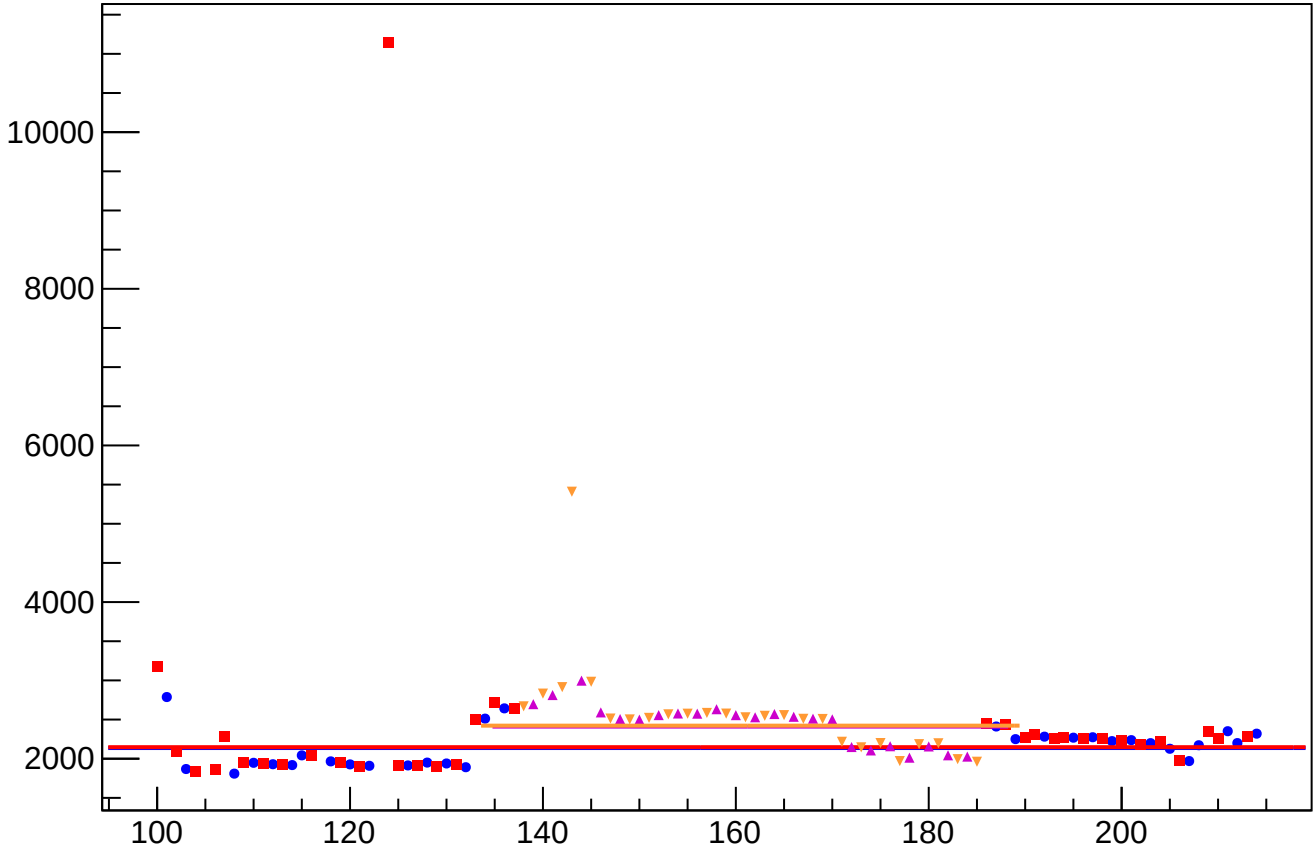
Right: 2326.448+/-353.437 χ^2/NDF: 40.2/63

In: 2432.502+/-375.612 χ^2/NDF:31.6/52

Out: 1607.677+/-371.232 χ^2/NDF:73.6/58

All: 2015.252+/-264.036 χ^2/NDF: 107.6/111

cor_asym_atl2_rms vs Slug, Sign Corrected



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

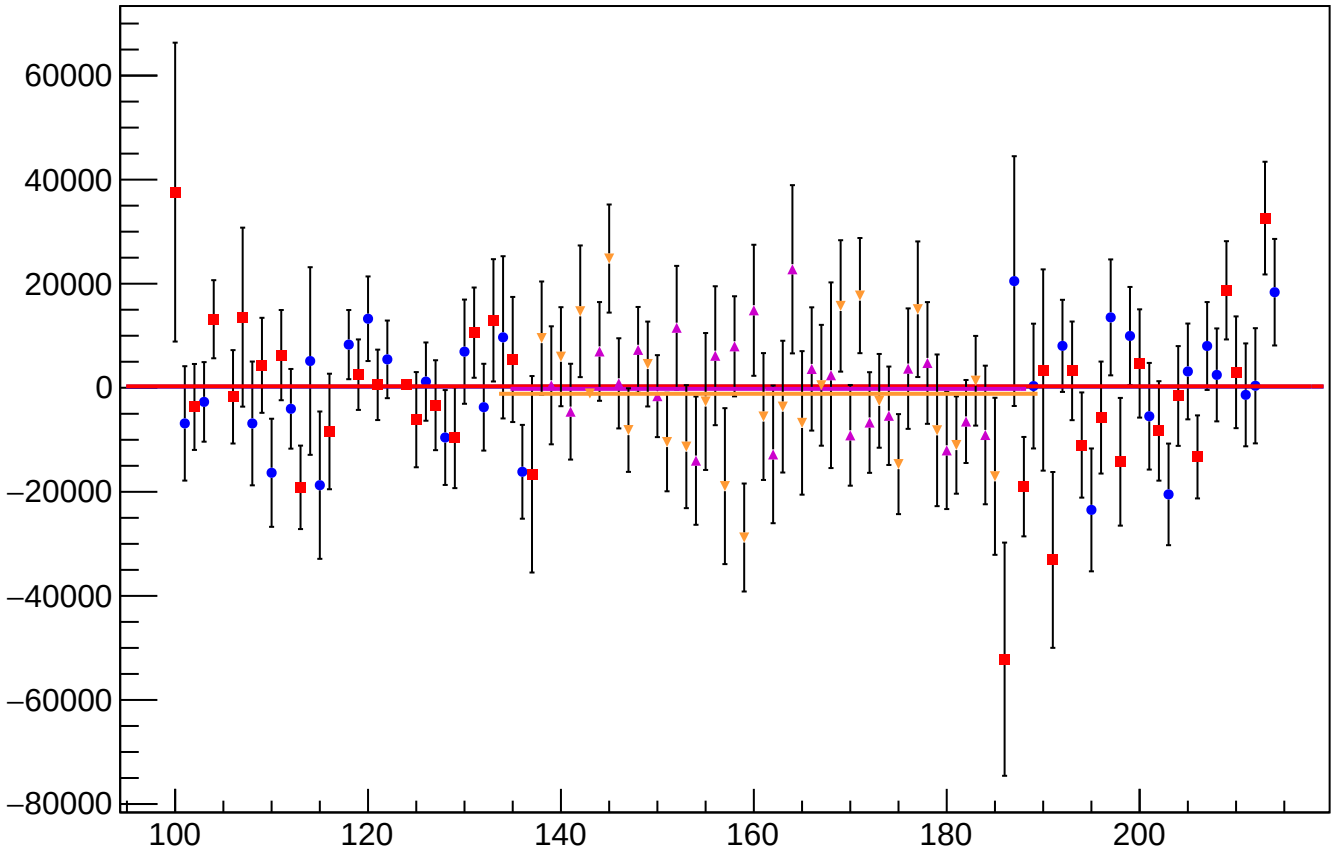
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2141.920+/-0.250 χ^2/NDF: 923332.2/63

In: 2256.761+/-0.266 χ^2/NDF:1062028.7/52

Out: 2269.245+/-0.263 χ^2/NDF:1773706.2/58

All: 2263.076+/-0.187 χ^2/NDF: 2836852.5/11



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

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

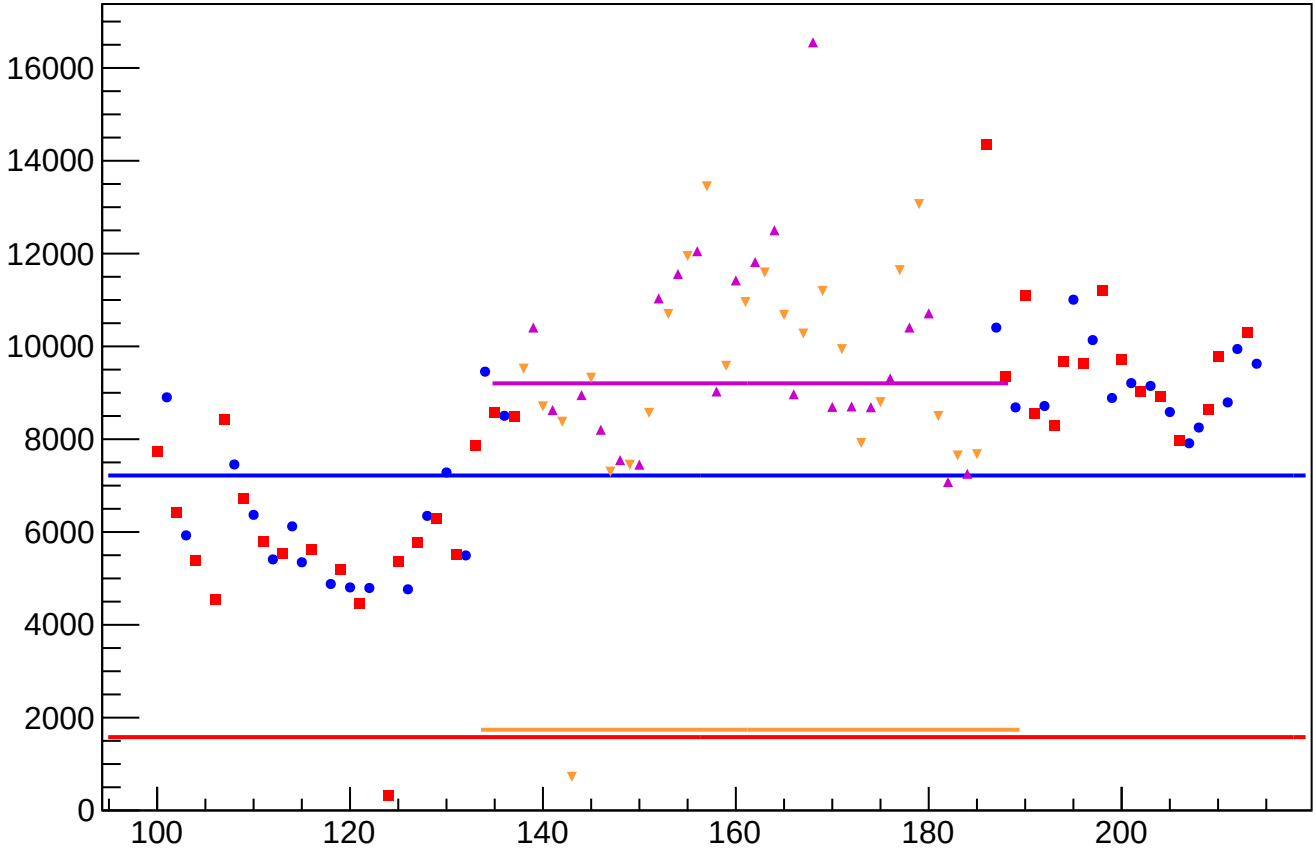
Right: 267.855+/-681.458 χ^2/NDF: 84.1/63

In: 51.262+/-1367.430 χ^2/NDF:46.1/52

Out: -423.486+/-529.418 χ^2/NDF:85.1/58

All: -361.600+/-493.708 χ^2/NDF: 131.4/111

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



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

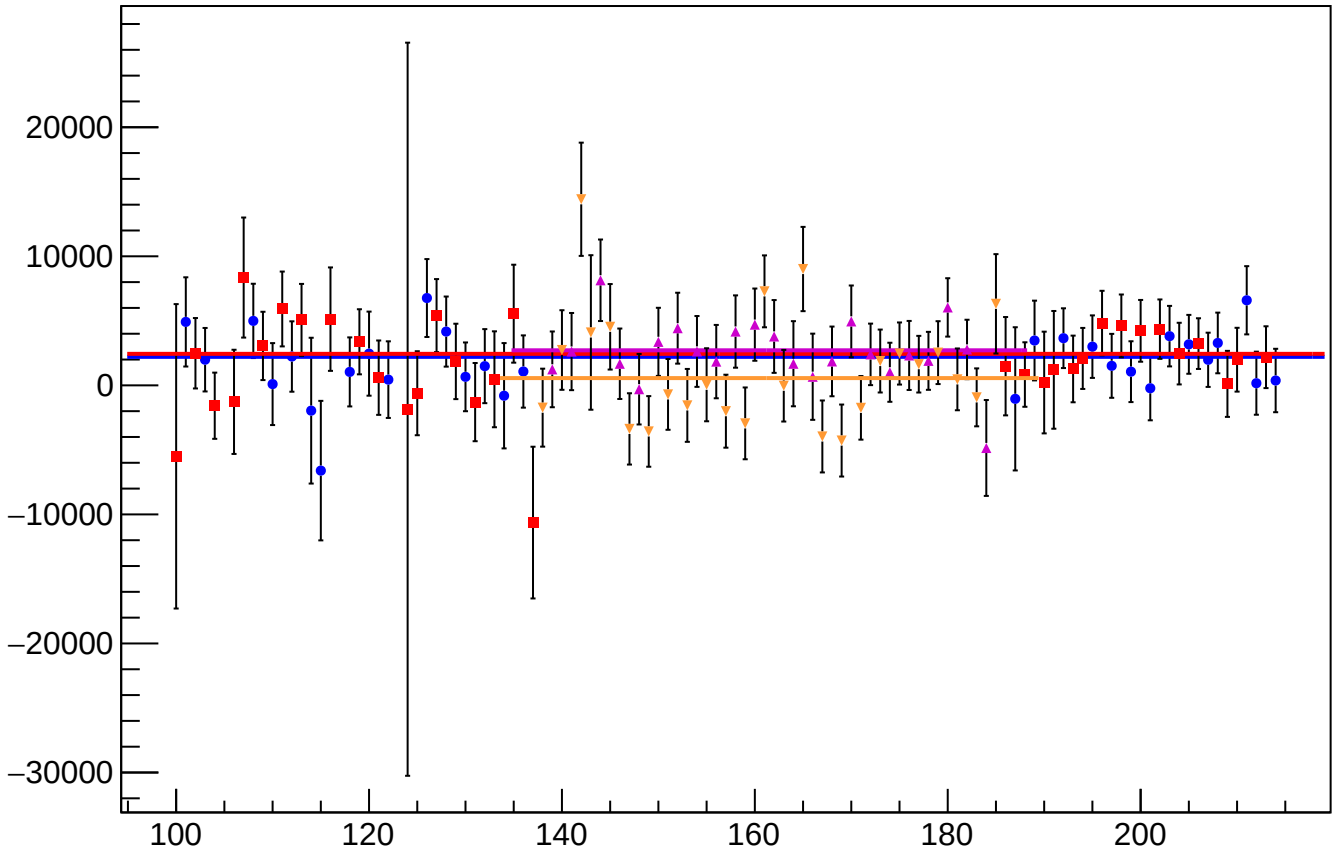
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2437.093+/-0.482 χ^2/NDF: 48516798.6/63

In: 7988.751+/-0.967 χ^2/NDF:4626976.5/52

Out: 1657.988+/-0.374 χ^2/NDF:56300858.5/58

All: 2483.238+/-0.349 χ^2/NDF: 98207652.3/1



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

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

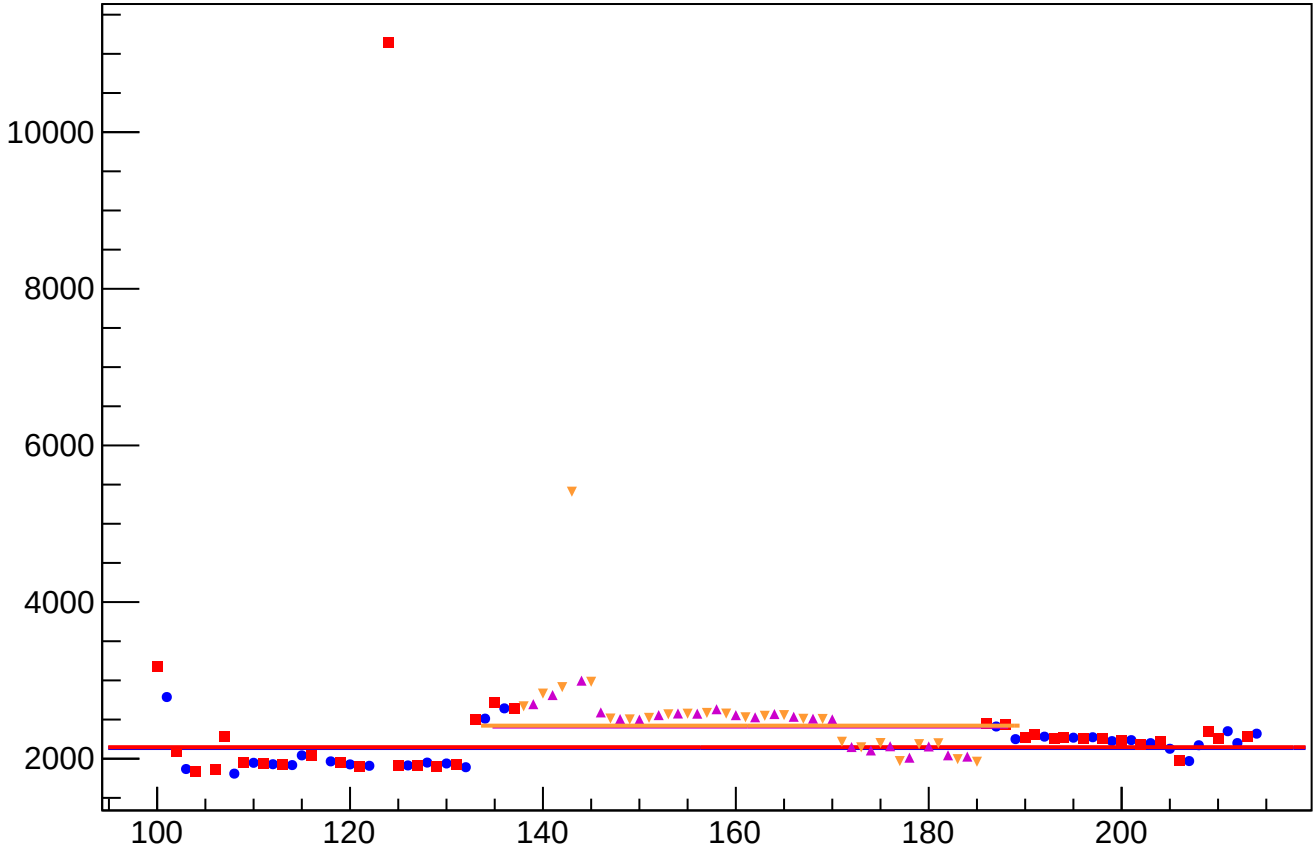
Right: 2326.448+/-353.437 χ^2/NDF: 40.2/63

In: 2432.502+/-375.612 χ^2/NDF:31.6/52

Out: 1607.677+/-371.232 χ^2/NDF:73.6/58

All: 2015.252+/-264.036 χ^2/NDF: 107.6/111

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



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

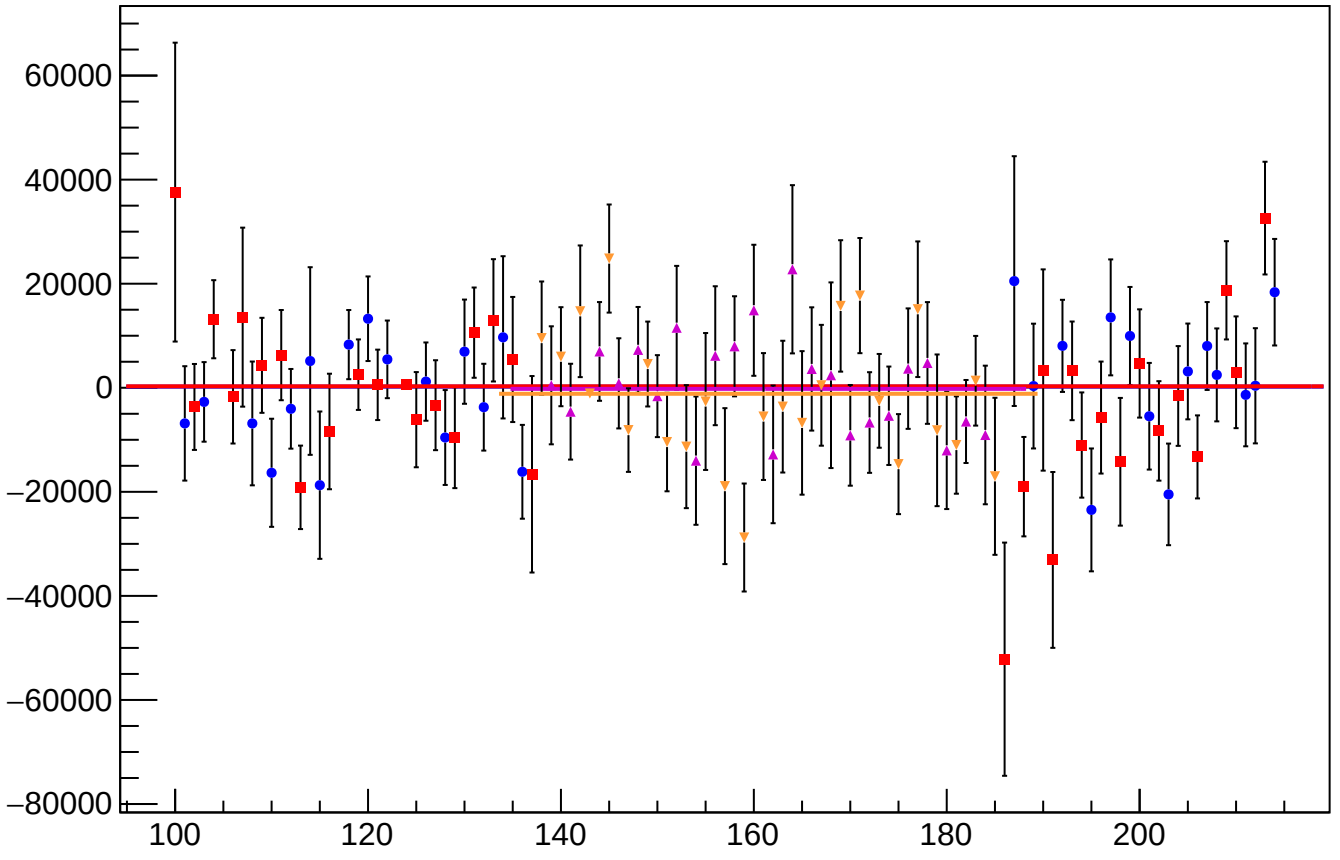
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2141.920+/-0.250 χ^2/NDF: 923332.2/63

In: 2256.761+/-0.266 χ^2/NDF:1062028.7/52

Out: 2269.245+/-0.263 χ^2/NDF:1773706.2/58

All: 2263.076+/-0.187 χ^2/NDF: 2836852.5/11



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

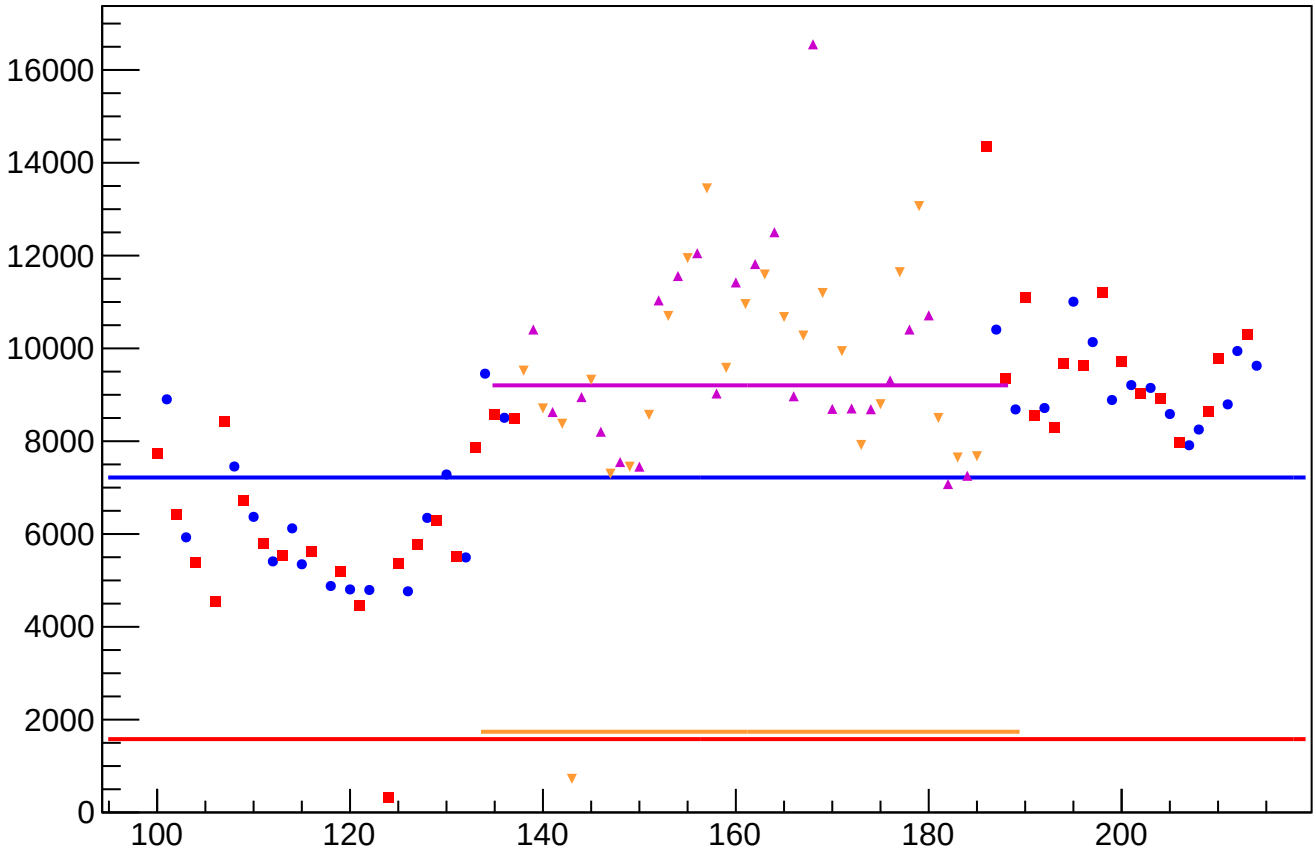
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 267.855+/-681.458 χ^2/NDF: 84.1/63

In: 51.262+/-1367.430 χ^2/NDF:46.1/52

Out: -423.486+/-529.418 χ^2/NDF:85.1/58

All: -361.600+/-493.708 χ^2/NDF: 131.4/111



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

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

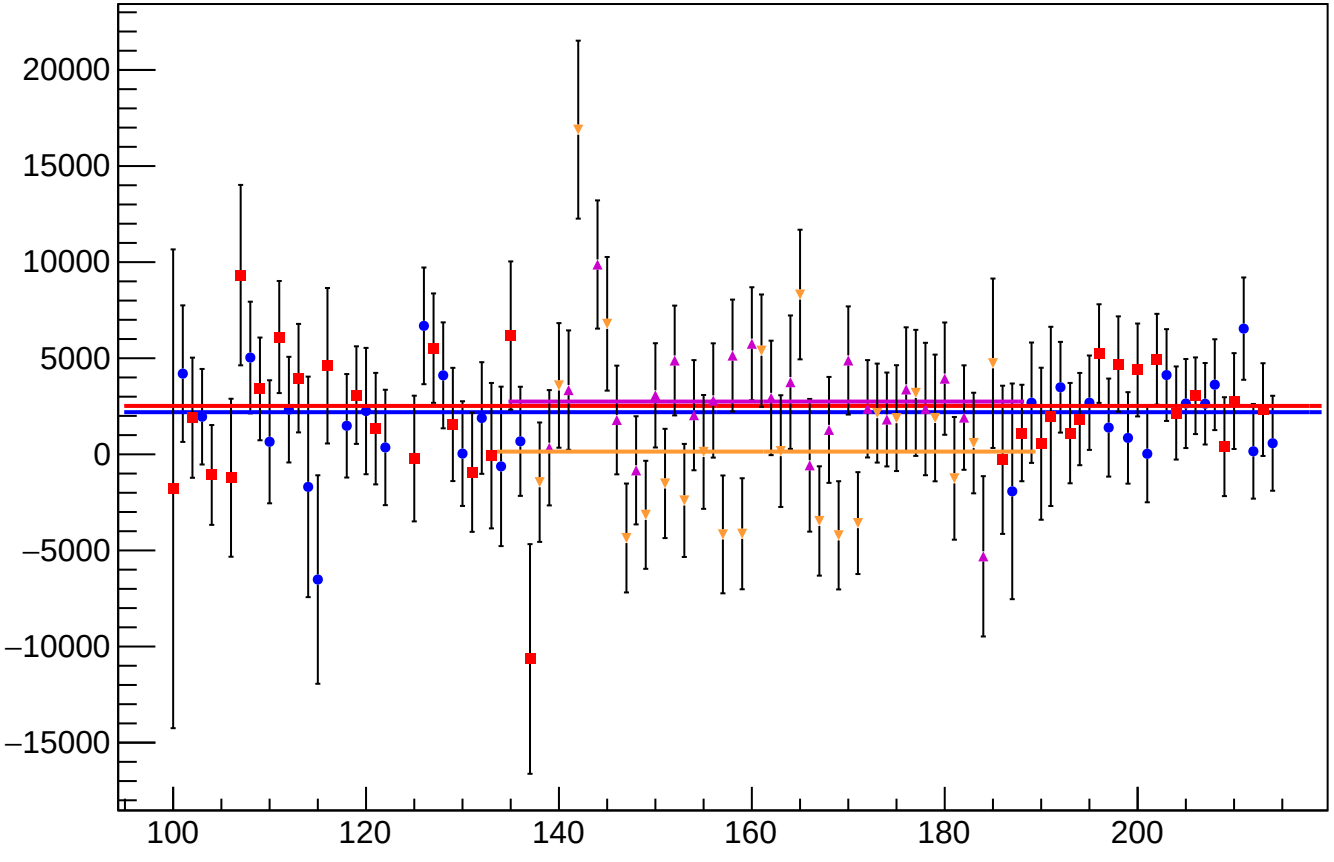
Right: 2437.093+/-0.482 χ^2/NDF: 48516798.6/63

In: 7988.751+/-0.967 χ^2/NDF:4626976.5/52

Out: 1657.988+/-0.374 χ^2/NDF:56300858.5/58

All: 2483.238+/-0.349 χ^2/NDF: 98207652.3/1

dit_asym_atl2_mean vs Slug, Sign Corrected



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

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

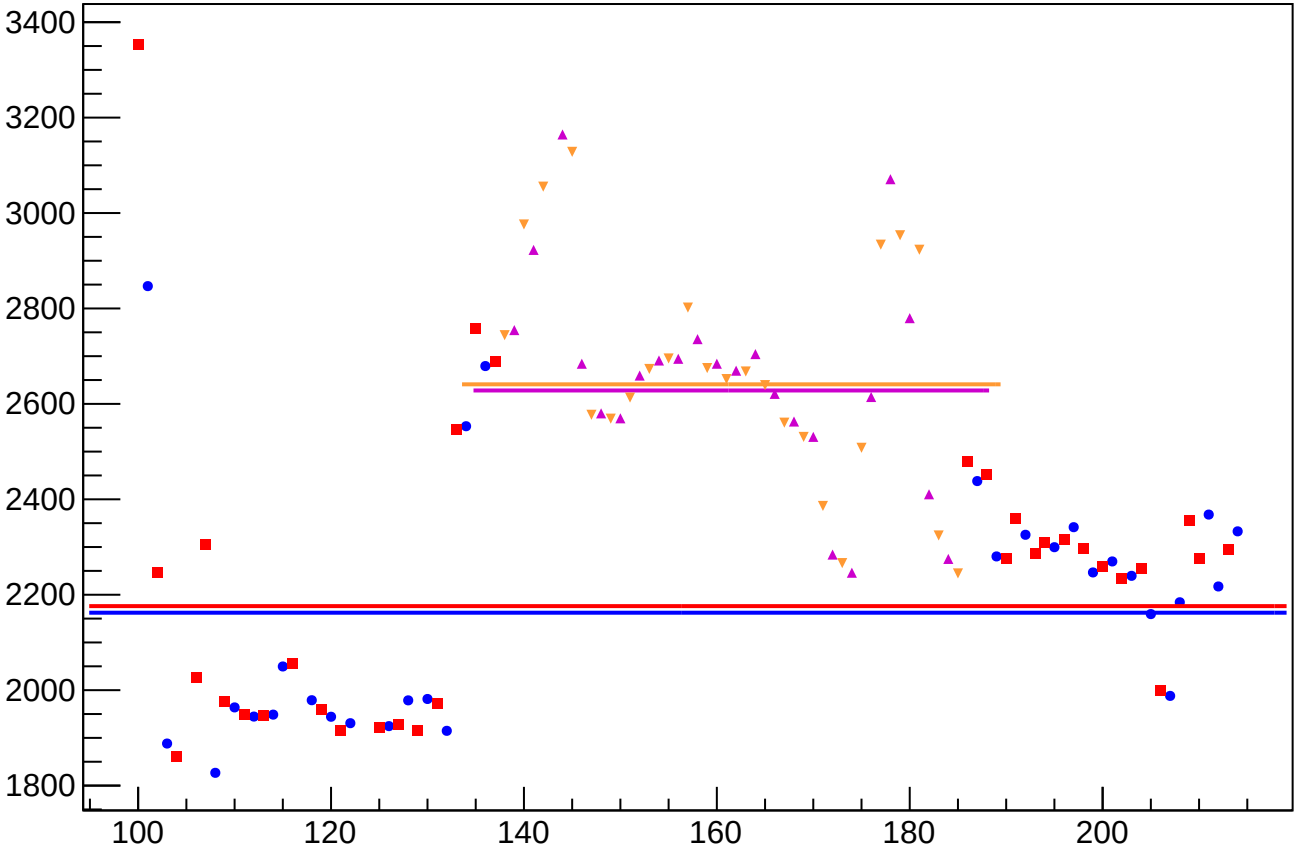
Right: 2356.874+/-358.563 χ^2/NDF: 38.8/62

In: 2417.108+/-392.082 χ^2/NDF:31.9/52

Out: 1561.220+/-390.881 χ^2/NDF:77.3/56

All: 1987.852+/-276.818 χ^2/NDF: 111.6/109

dit_asym_atl2_rms vs Slug, Sign Corrected



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

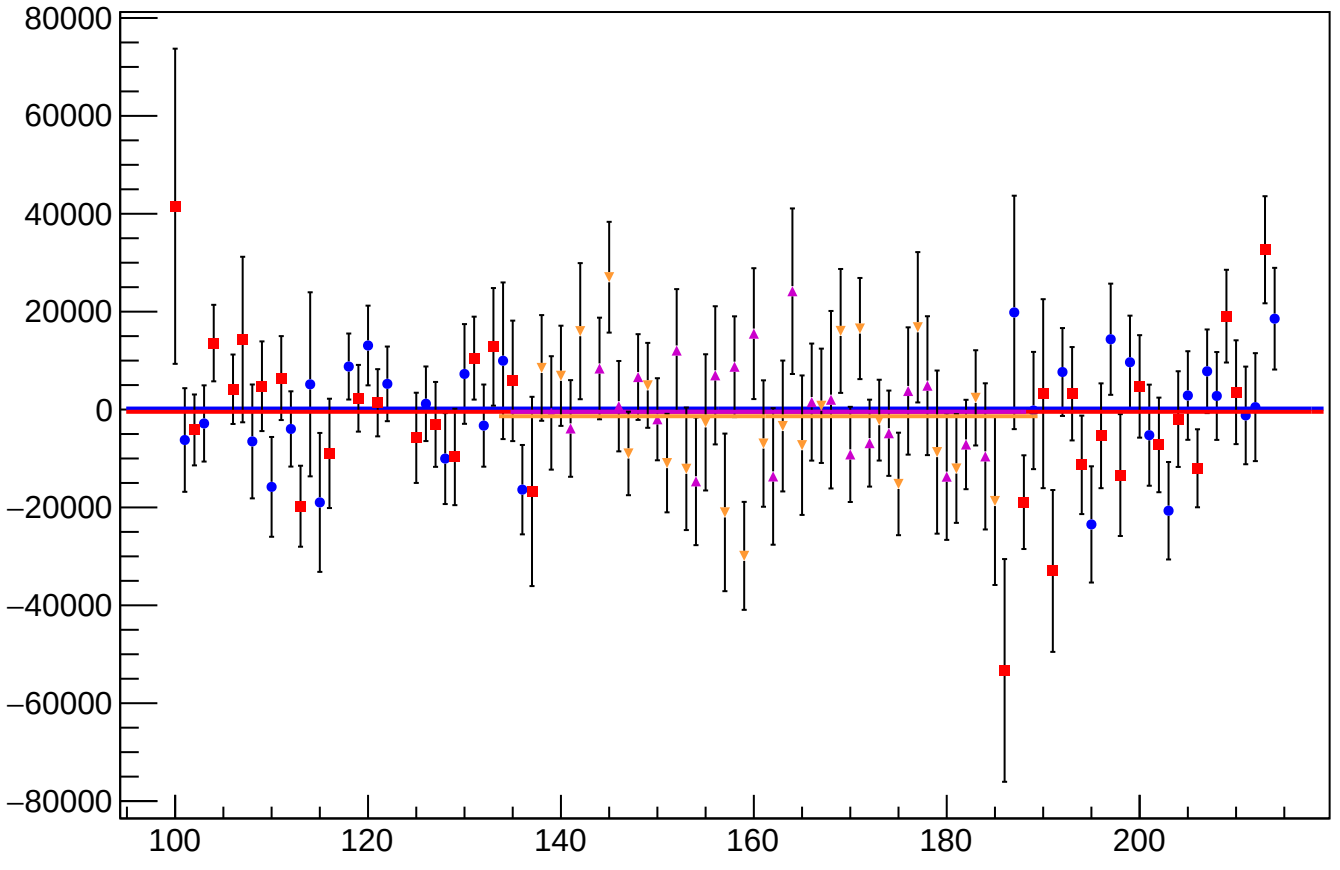
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2169.288+/-0.253 χ^2/NDF: 739466.0/62

In: 2350.967+/-0.277 χ^2/NDF:1303085.5/52

Out: 2363.340+/-0.276 χ^2/NDF:1287488.7/56

All: 2357.175+/-0.196 χ^2/NDF: 2591573.4/10



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

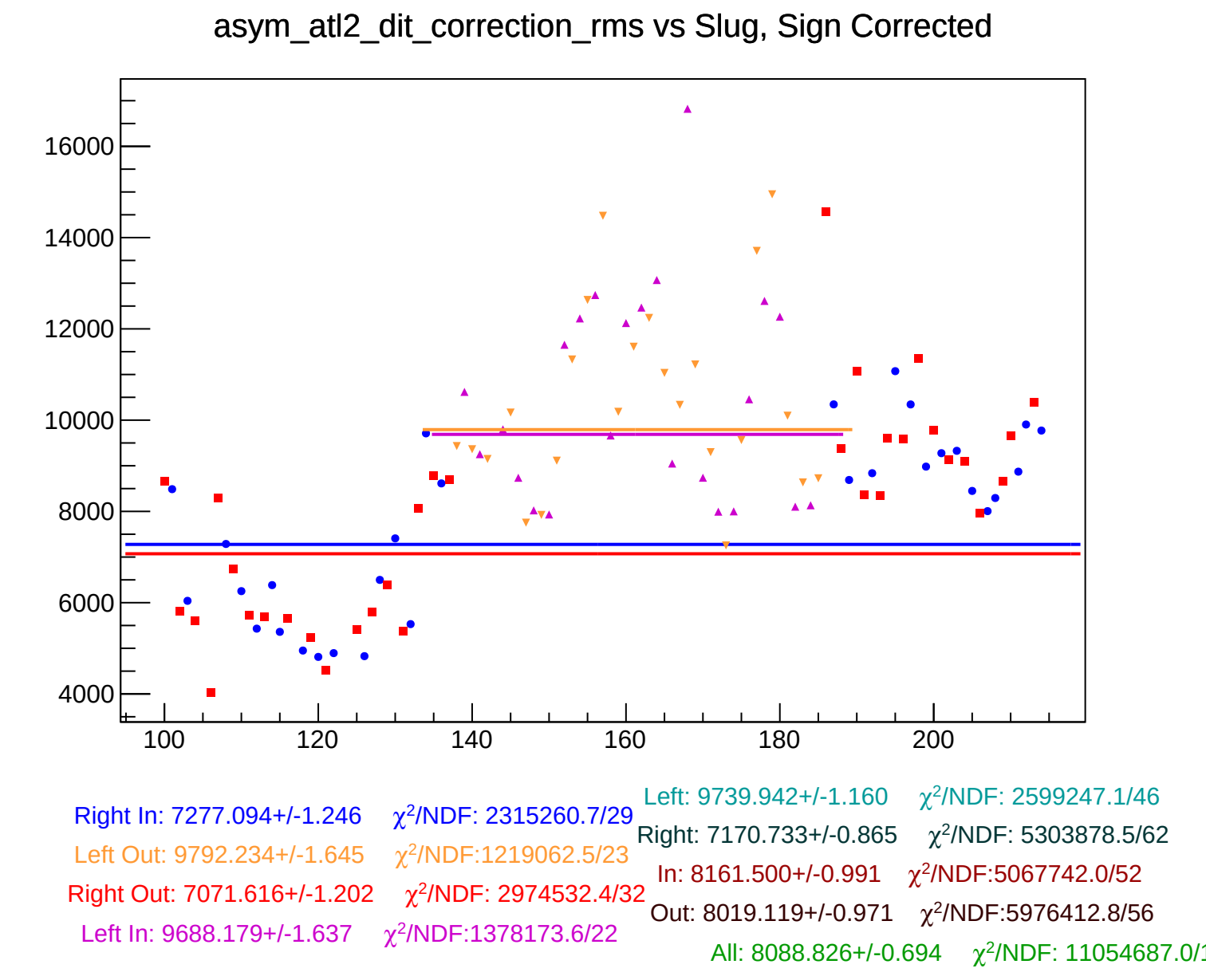
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

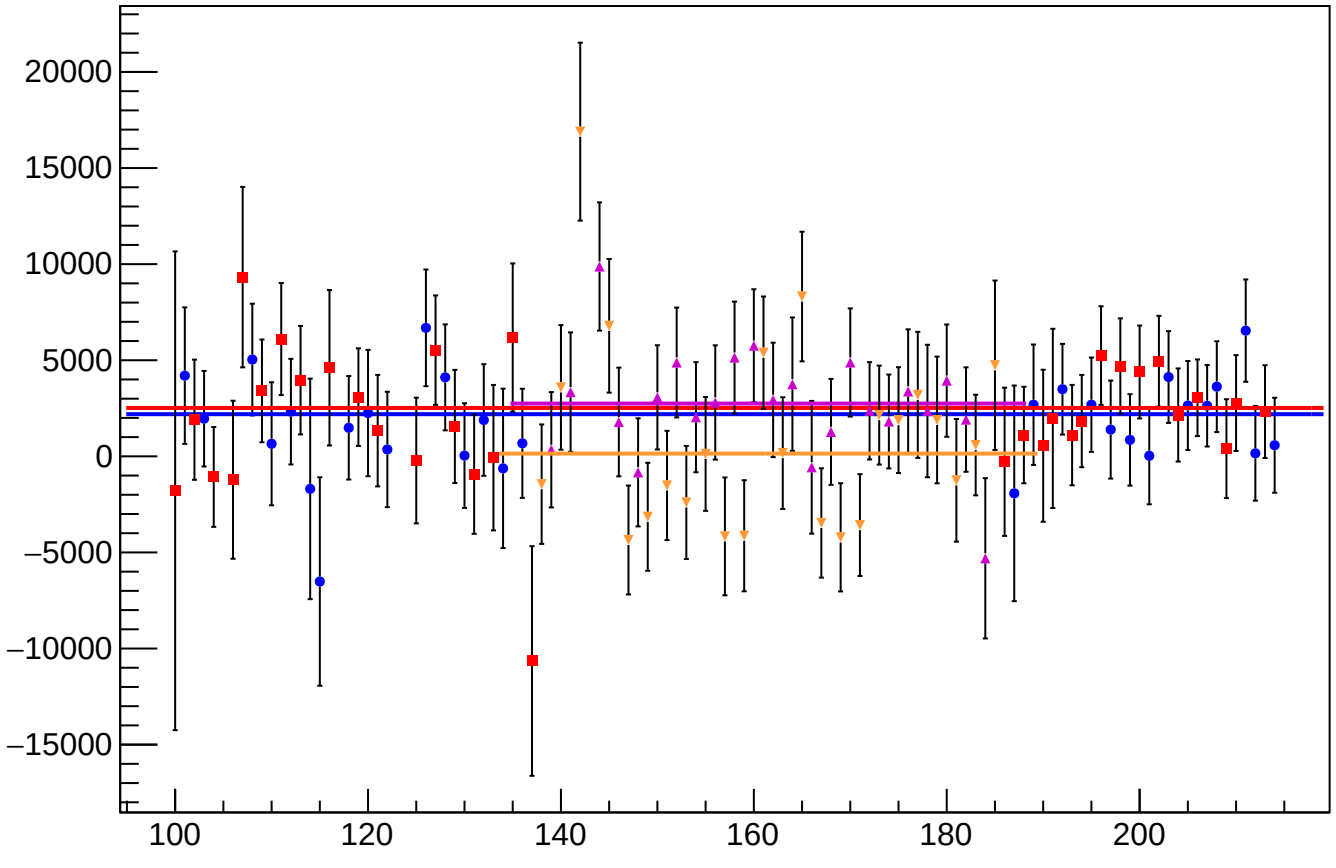
Right: -140.276+/-1223.475 χ^2/NDF: 83.1/62

In: -42.462+/-1401.757 χ^2/NDF:45.4/52

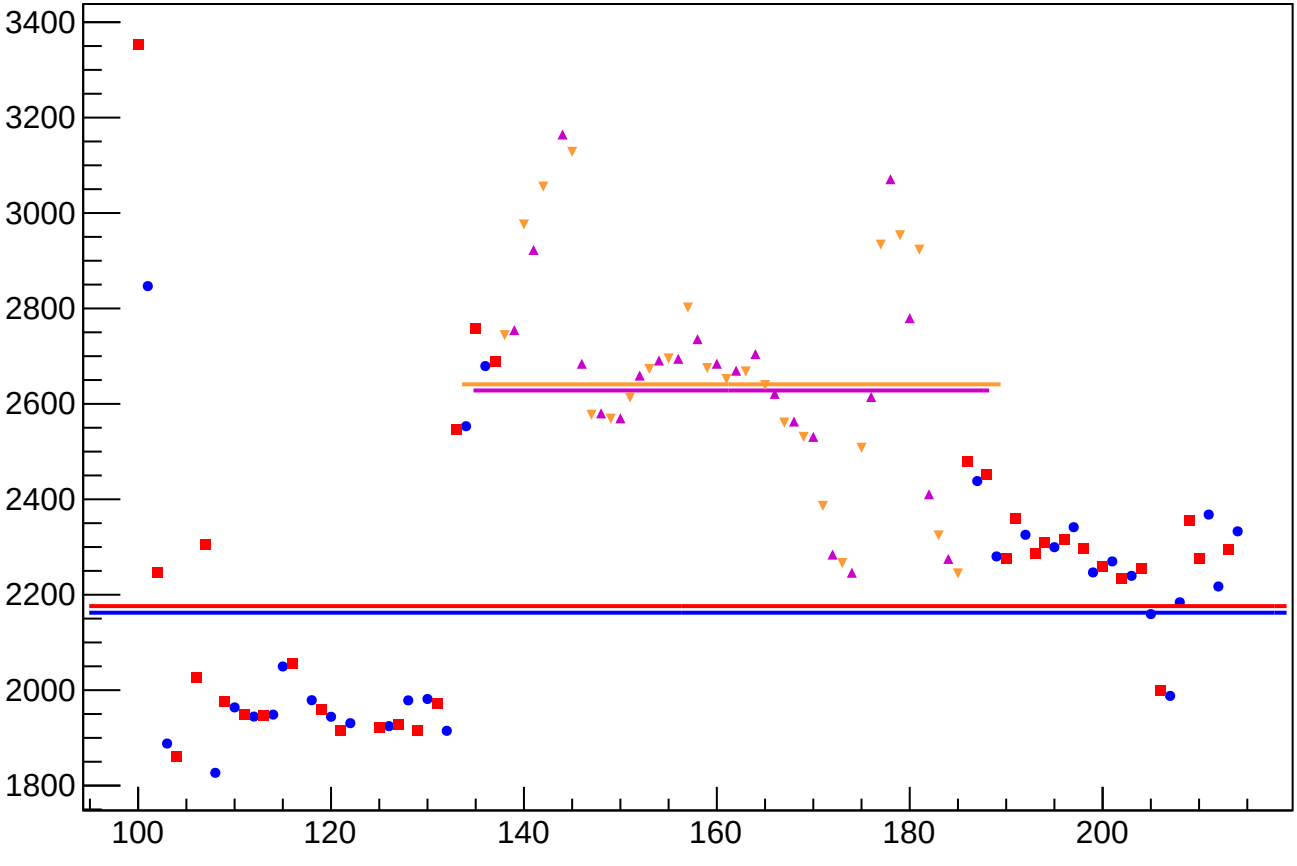
Out: -775.086+/-1372.841 χ^2/NDF:82.1/56

All: -416.408+/-980.809 χ^2/NDF: 127.7/109


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 7277.094+/-1.246 χ²/NDF: 2315260.7/29
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 7071.616+/-1.202 χ²/NDF: 2974532.4/32
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 7170.733+/-0.865 χ²/NDF: 5303878.5/62
In: 8161.500+/-0.991 χ²/NDF:5067742.0/52
Out: 8019.119+/-0.971 χ²/NDF:5976412.8/56
All: 8088.826+/-0.694 χ²/NDF: 11054687.0/1


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 2193.287+/-508.284 χ²/NDF: 16.0/29
Left Out: 142.487+/-615.732 χ²/NDF:45.8/23
Right Out: 2518.927+/-505.893 χ²/NDF: 22.6/32
Left In: 2745.980+/-616.124 χ²/NDF:15.4/22
Left: 1443.405+/-435.527 χ²/NDF: 70.2/46
Right: 2356.875+/-358.563 χ²/NDF: 38.8/62
In: 2417.109+/-392.082 χ²/NDF:31.9/52
Out: 1561.216+/-390.882 χ²/NDF:77.3/56
All: 1987.850+/-276.819 χ²/NDF: 111.6/109

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



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

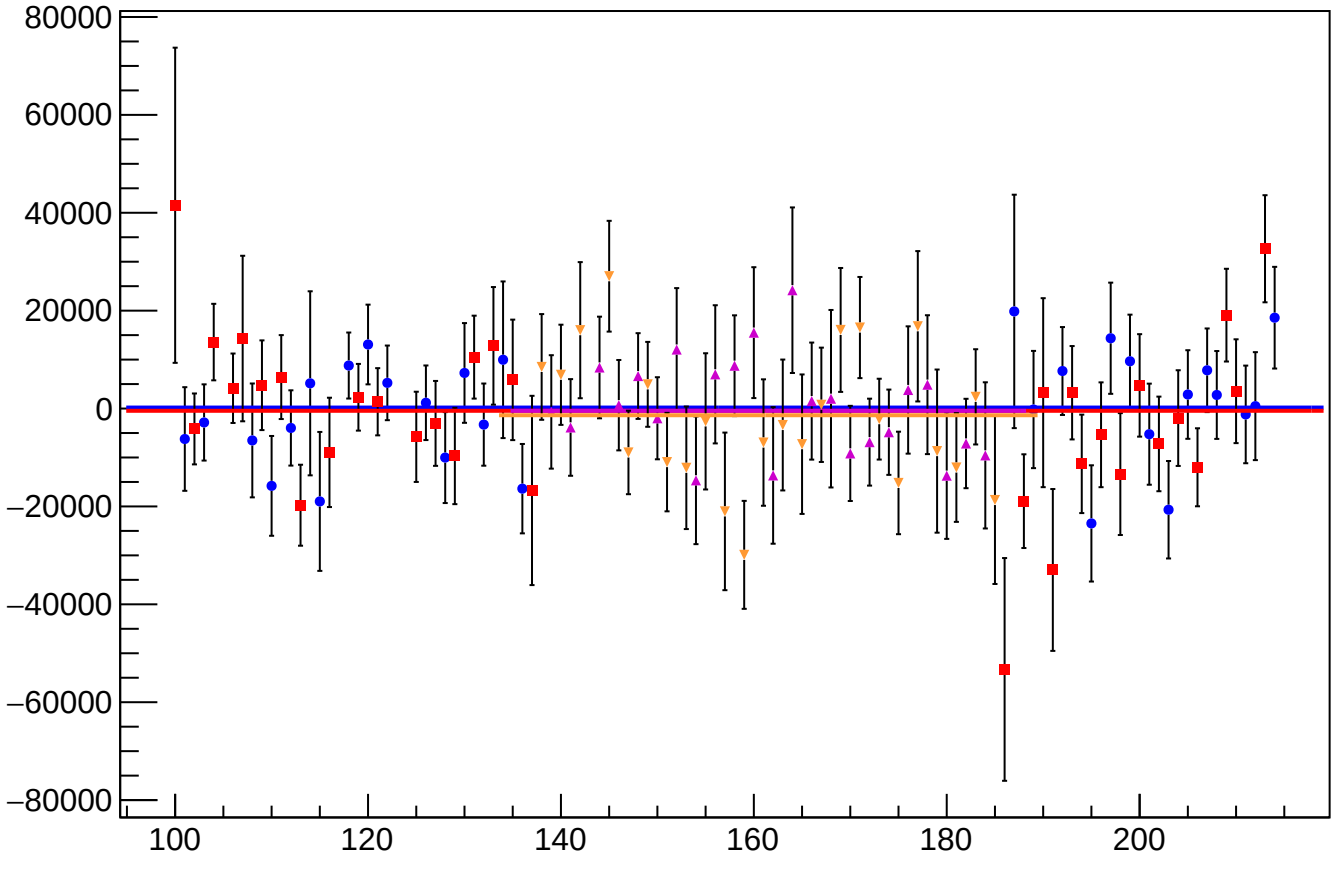
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2169.288+/-0.253 χ^2/NDF: 739466.5/62

In: 2350.968+/-0.277 χ^2/NDF:1303099.7/52

Out: 2363.340+/-0.276 χ^2/NDF:1287504.7/56

All: 2357.175+/-0.196 χ^2/NDF: 2591603.6/10



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

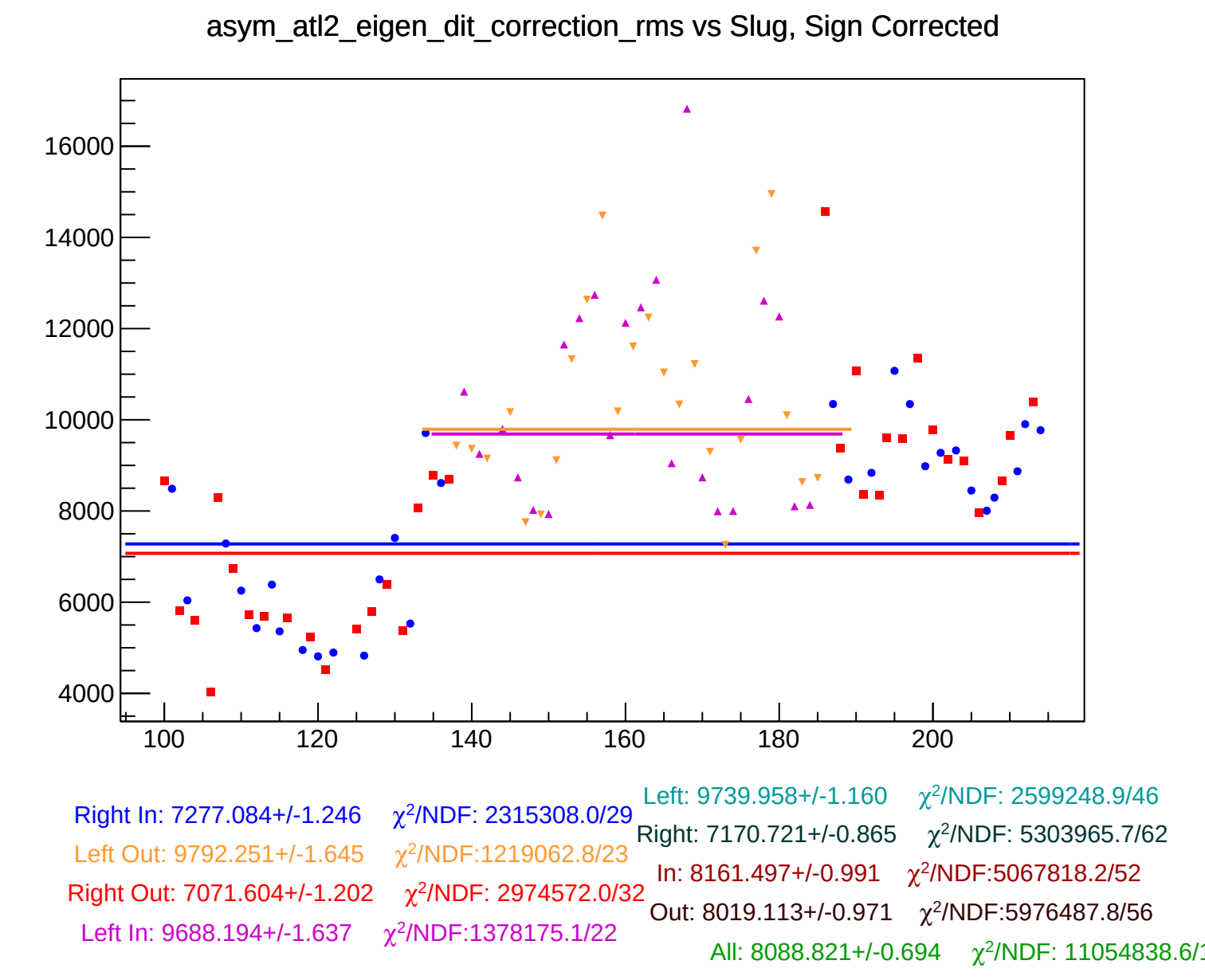
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -140.270+/-1223.474 χ^2/NDF: 83.1/62

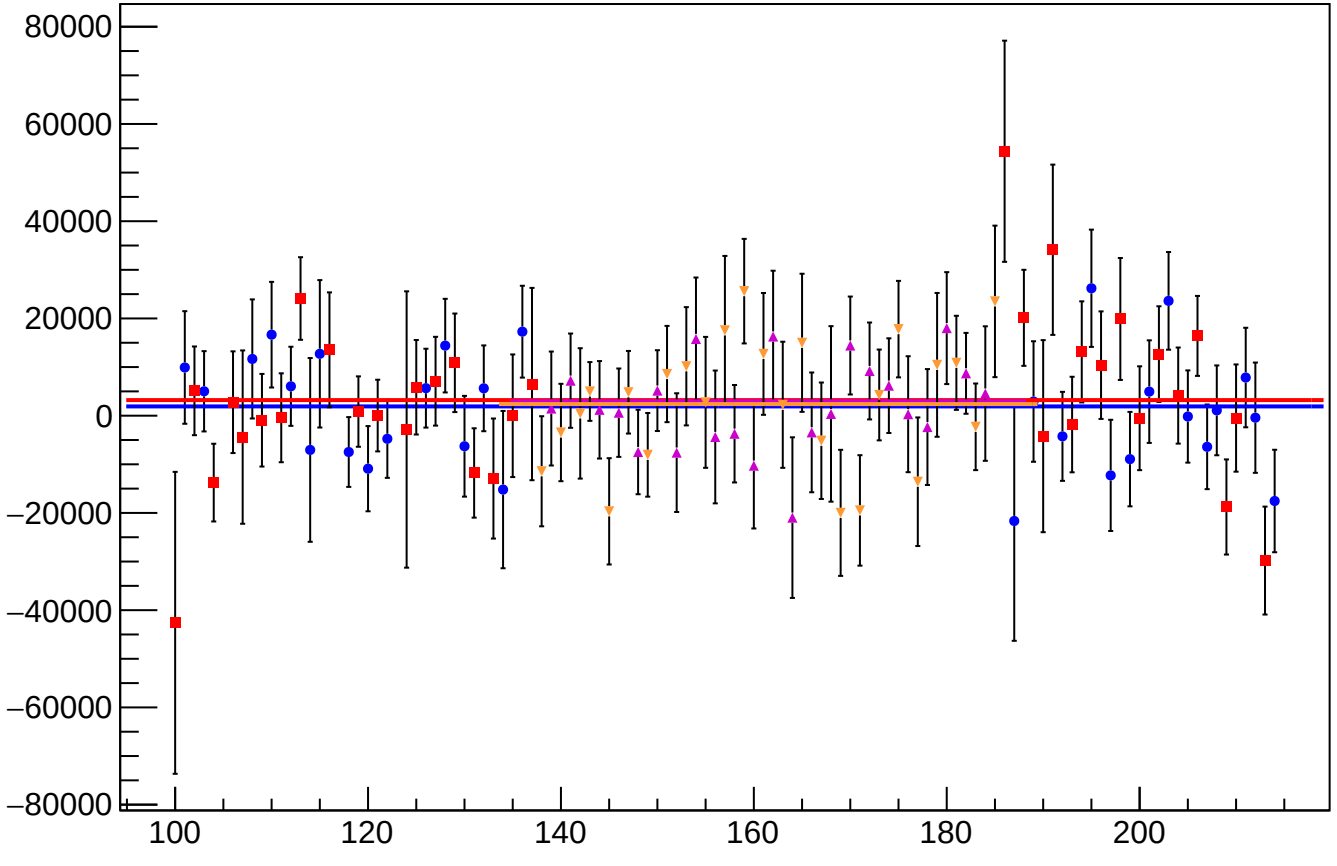
In: -42.458+/-1401.757 χ^2/NDF:45.4/52

Out: -775.083+/-1372.841 χ^2/NDF:82.1/56

All: -416.405+/-980.809 χ^2/NDF: 127.7/109


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 7277.084+/-1.246 χ²/NDF: 2315308.0/29
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 7071.604+/-1.202 χ²/NDF: 2974572.0/32
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 7170.721+/-0.865 χ²/NDF: 5303965.7/62
In: 8161.497+/-0.991 χ²/NDF:5067818.2/52
Out: 8019.113+/-0.971 χ²/NDF:5976487.8/56
All: 8088.821+/-0.694 χ²/NDF: 11054838.6/

asym_atl2_mean vs Slug, Sign Corrected



Right In: 1907.528+/-1834.564 χ^2/NDF: 32.8/29

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 3207.152+/-1806.748 χ^2/NDF: 52.0/33

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

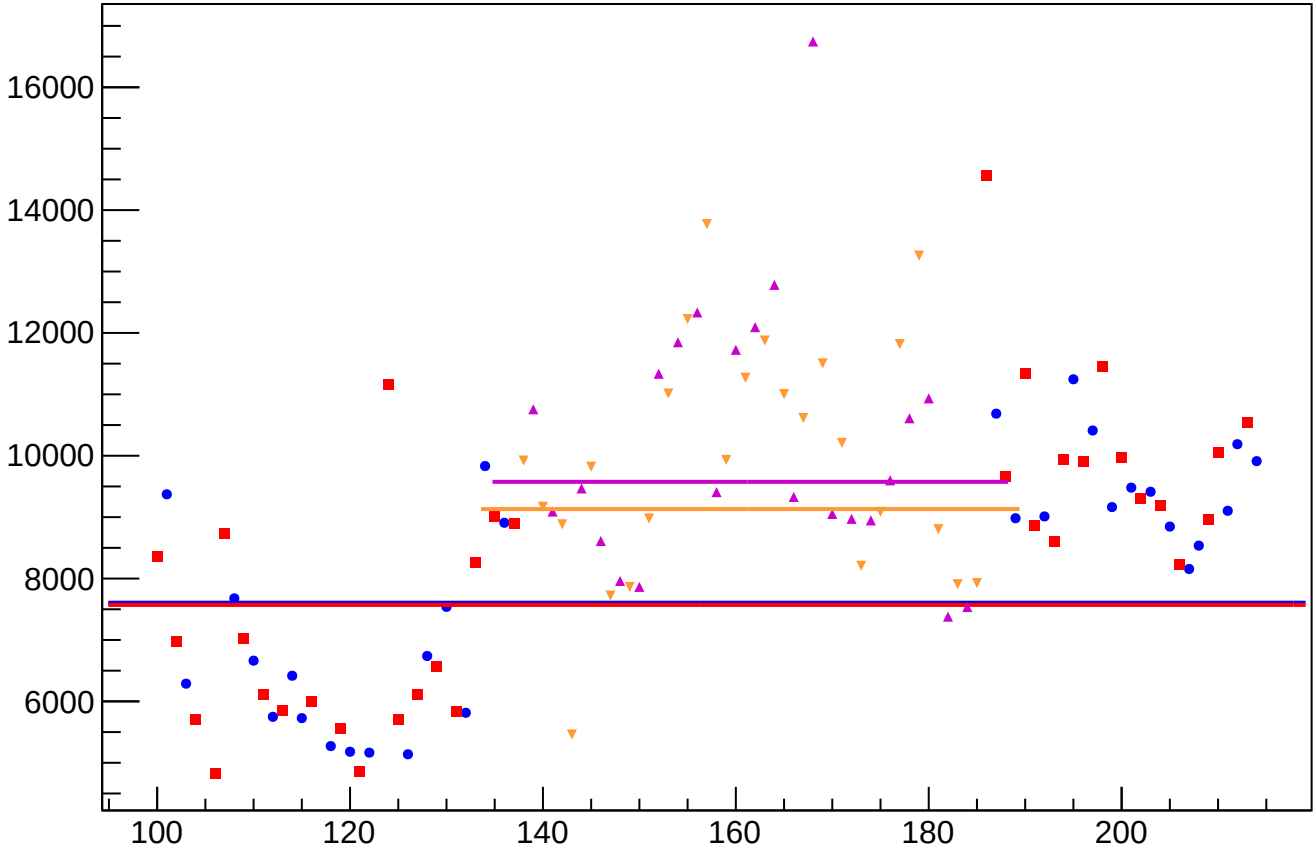
Right: 2567.267+/-1287.285 χ^2/NDF: 85.0/63

In: 2322.772+/-1429.053 χ^2/NDF:45.9/52

Out: 2865.548+/-1379.592 χ^2/NDF:81.8/58

All: 2603.715+/-992.544 χ^2/NDF: 127.8/111

asym_atl2_rms vs Slug, Sign Corrected



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

Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

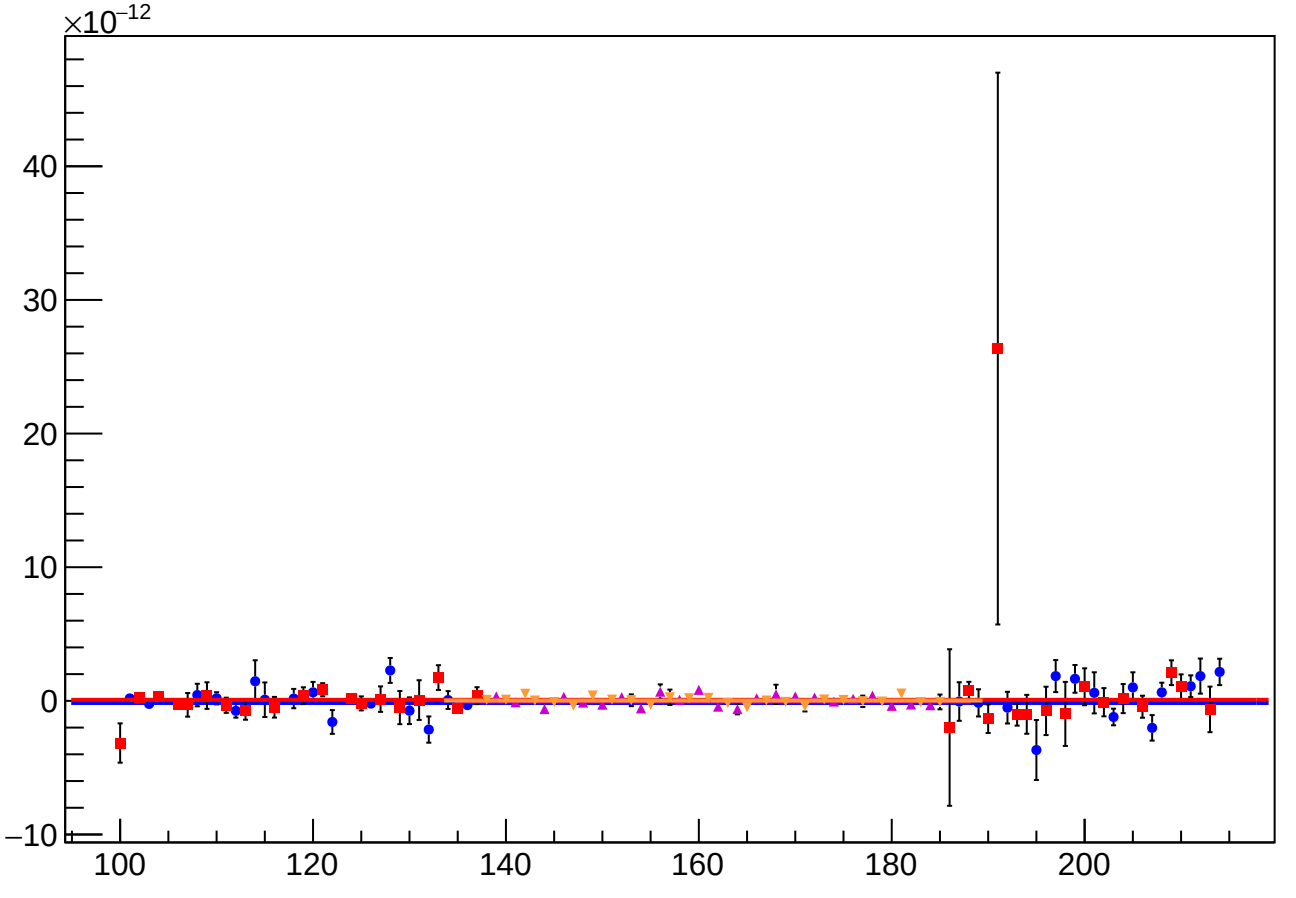
Right: 7588.306+/-0.910 χ^2/NDF: 4492665.2/63

In: 8380.849+/-1.010 χ^2/NDF:4113830.6/52

Out: 8221.348+/-0.976 χ^2/NDF:4872049.0/58

All: 8298.291+/-0.702 χ^2/NDF: 8998775.6/11

asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

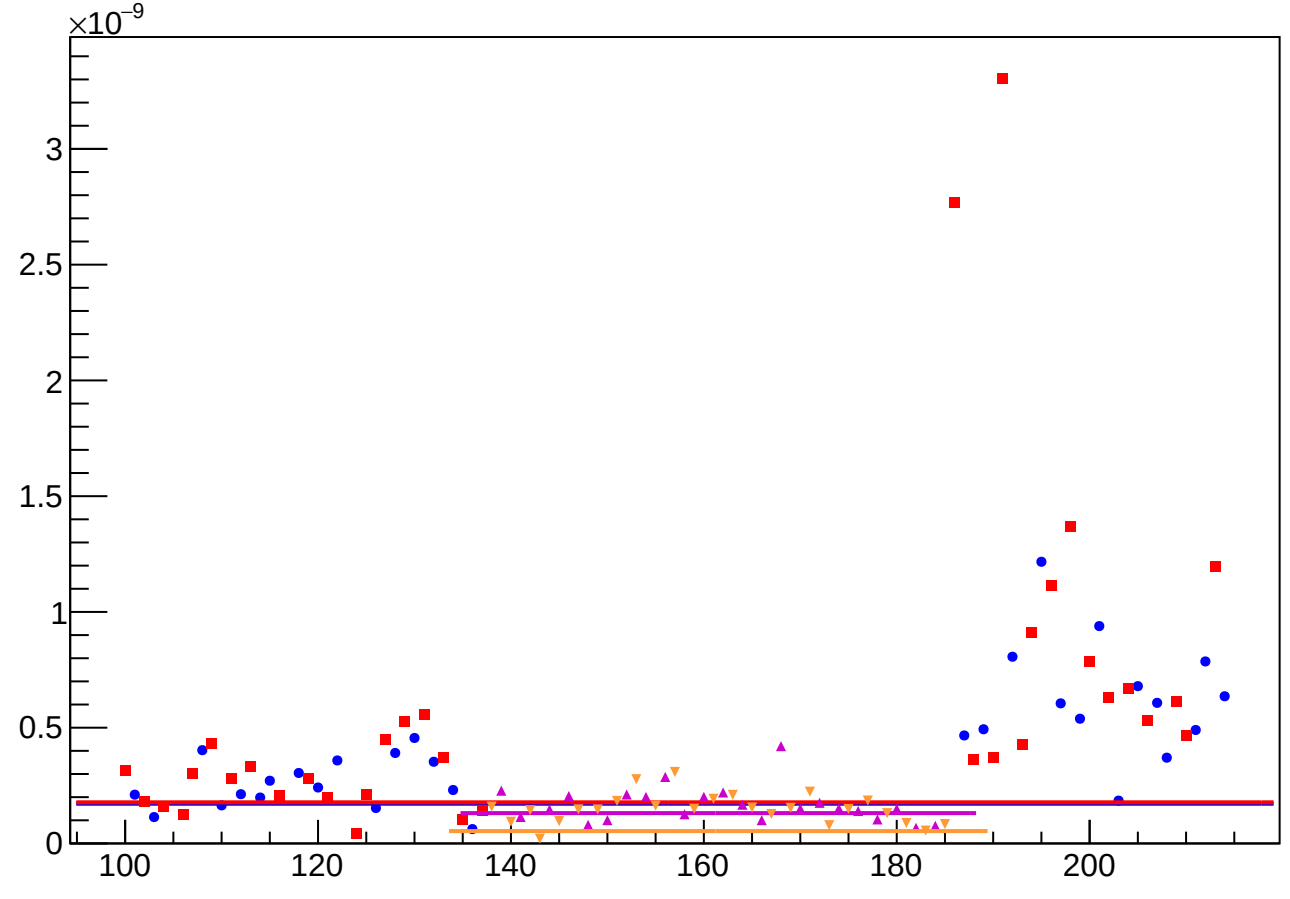
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 87.9/63

In: -0.000+/-0.000 χ^2/NDF:86.8/52

Out: 0.000+/-0.000 χ^2/NDF:53.7/58

All: 0.000+/-0.000 χ^2/NDF: 144.5/111



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

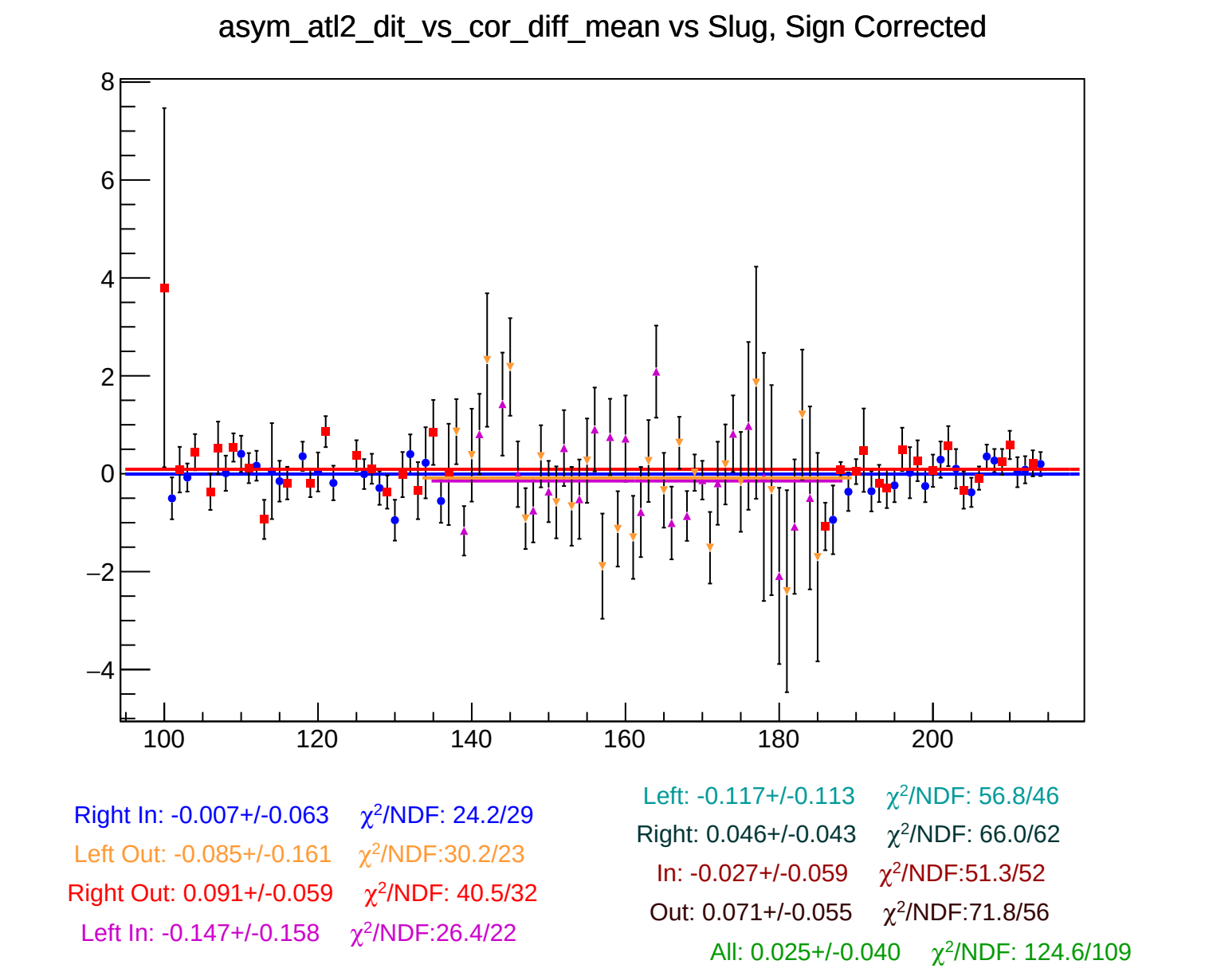
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14589654.2/63

In: 0.000+/-0.000 χ^2/NDF:8782211.6/52

Out: 0.000+/-0.000 χ^2/NDF:18634067.3/58

All: 0.000+/-0.000 χ^2/NDF: 31364002.6/111


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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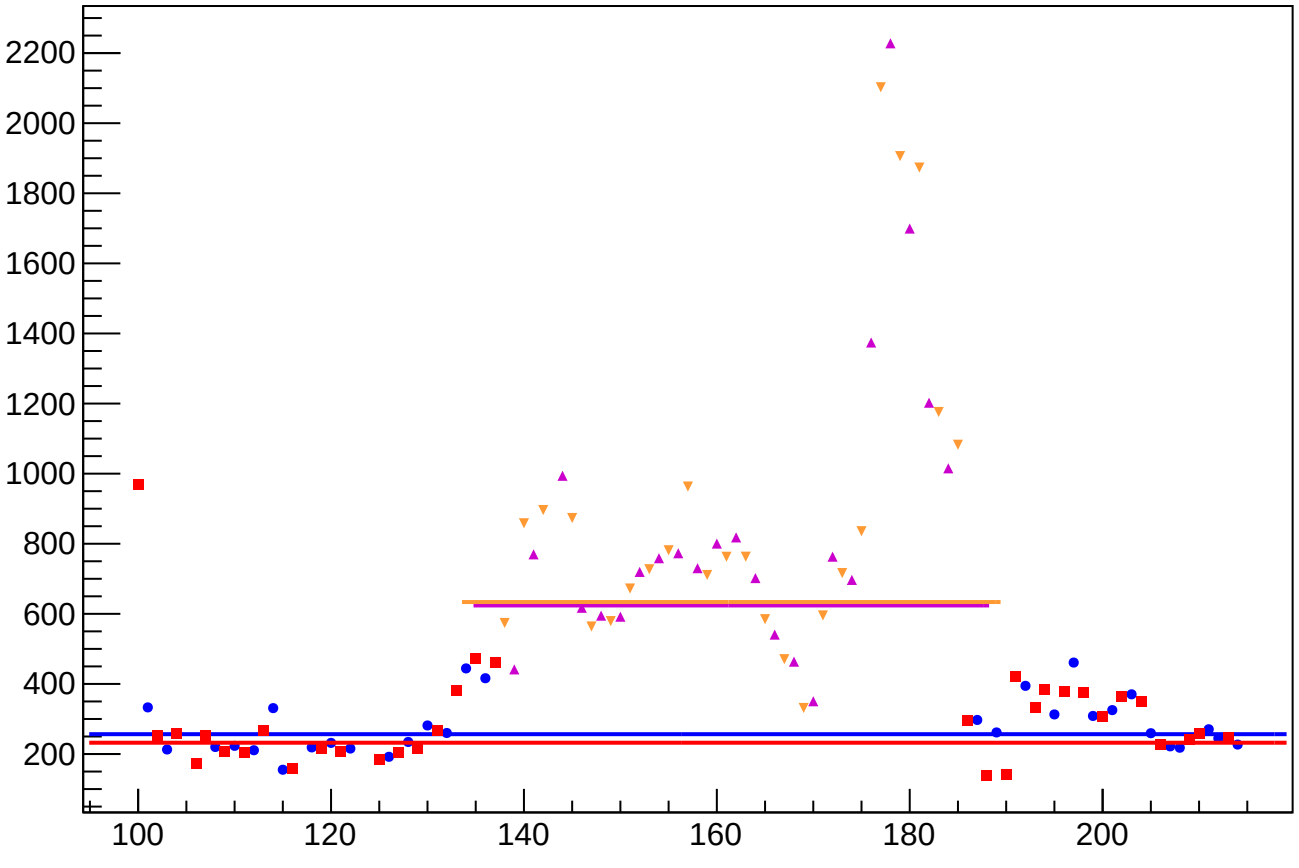
Right In: -0.007+/-0.063 χ²/NDF: 24.2/29
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.091+/-0.059 χ²/NDF: 40.5/32
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.046+/-0.043 χ²/NDF: 66.0/62
In: -0.027+/-0.059 χ²/NDF:51.3/52
Out: 0.071+/-0.055 χ²/NDF:71.8/56
All: 0.025+/-0.040 χ²/NDF: 124.6/109



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

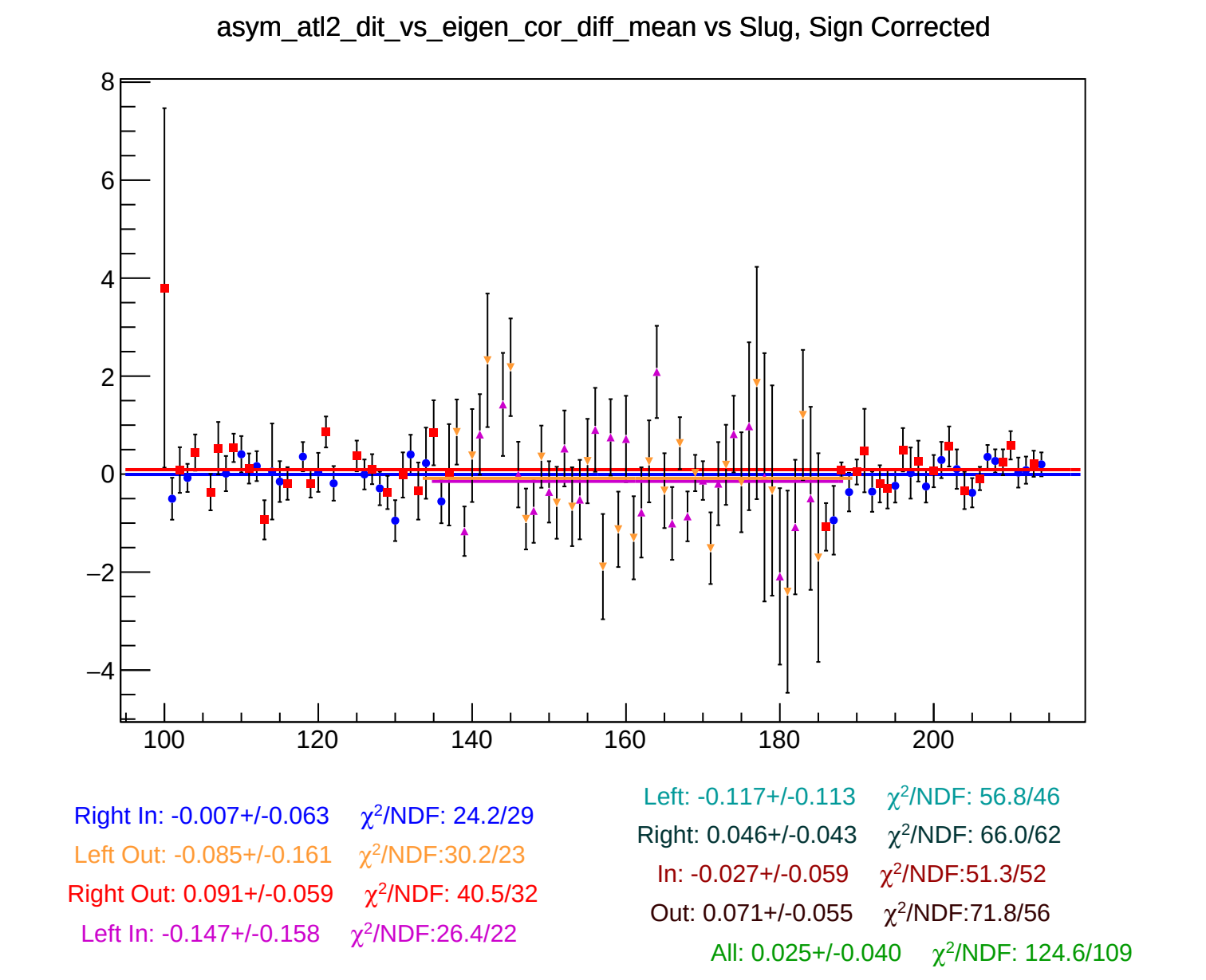
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 243.481+/-0.030 χ^2/NDF: 5485565.1/62

In: 307.373+/-0.042 χ^2/NDF:15718113.1/52

Out: 278.906+/-0.039 χ^2/NDF:19362038.1/56

All: 292.200+/-0.028 χ^2/NDF: 35329989.4/10


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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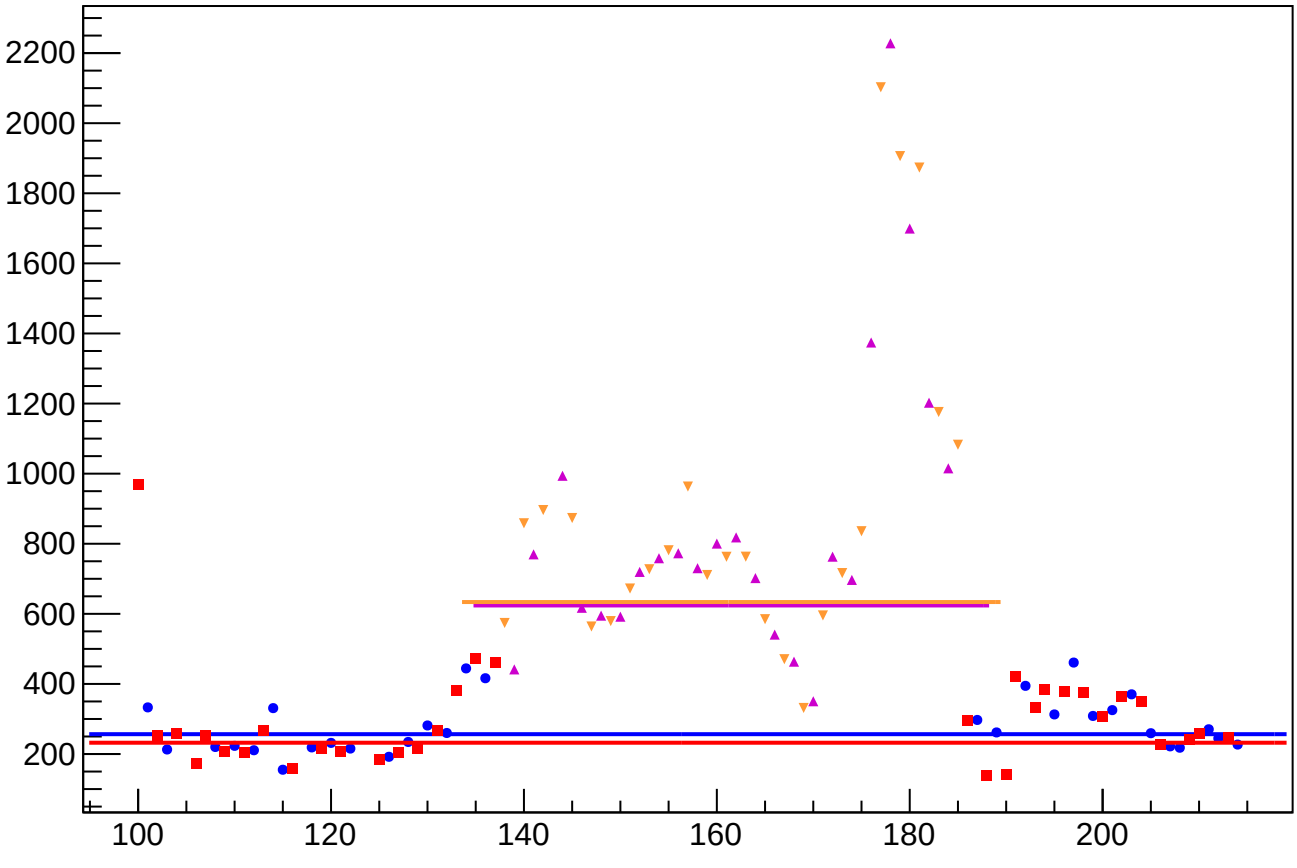
200
Right In: -0.007+/-0.063 χ²/NDF: 24.2/29
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.091+/-0.059 χ²/NDF: 40.5/32
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.046+/-0.043 χ²/NDF: 66.0/62
In: -0.027+/-0.059 χ²/NDF:51.3/52
Out: 0.071+/-0.055 χ²/NDF:71.8/56
All: 0.025+/-0.040 χ²/NDF: 124.6/109



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

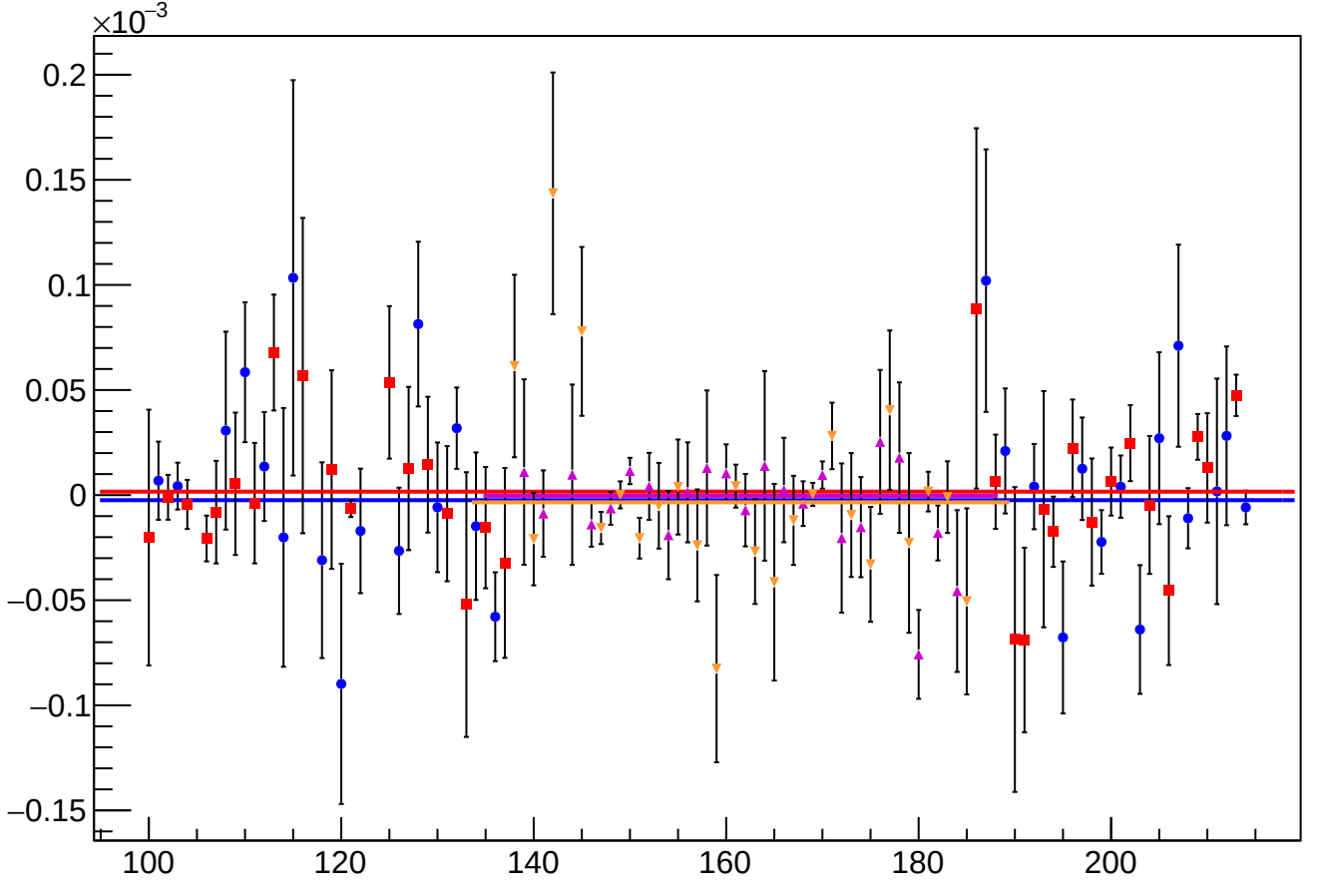
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 243.481+/-0.030 χ^2/NDF: 5485565.1/62

In: 307.373+/-0.042 χ^2/NDF:15718113.1/52

Out: 278.906+/-0.039 χ^2/NDF:19362038.1/56

All: 292.200+/-0.028 χ^2/NDF: 35329989.4/10



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

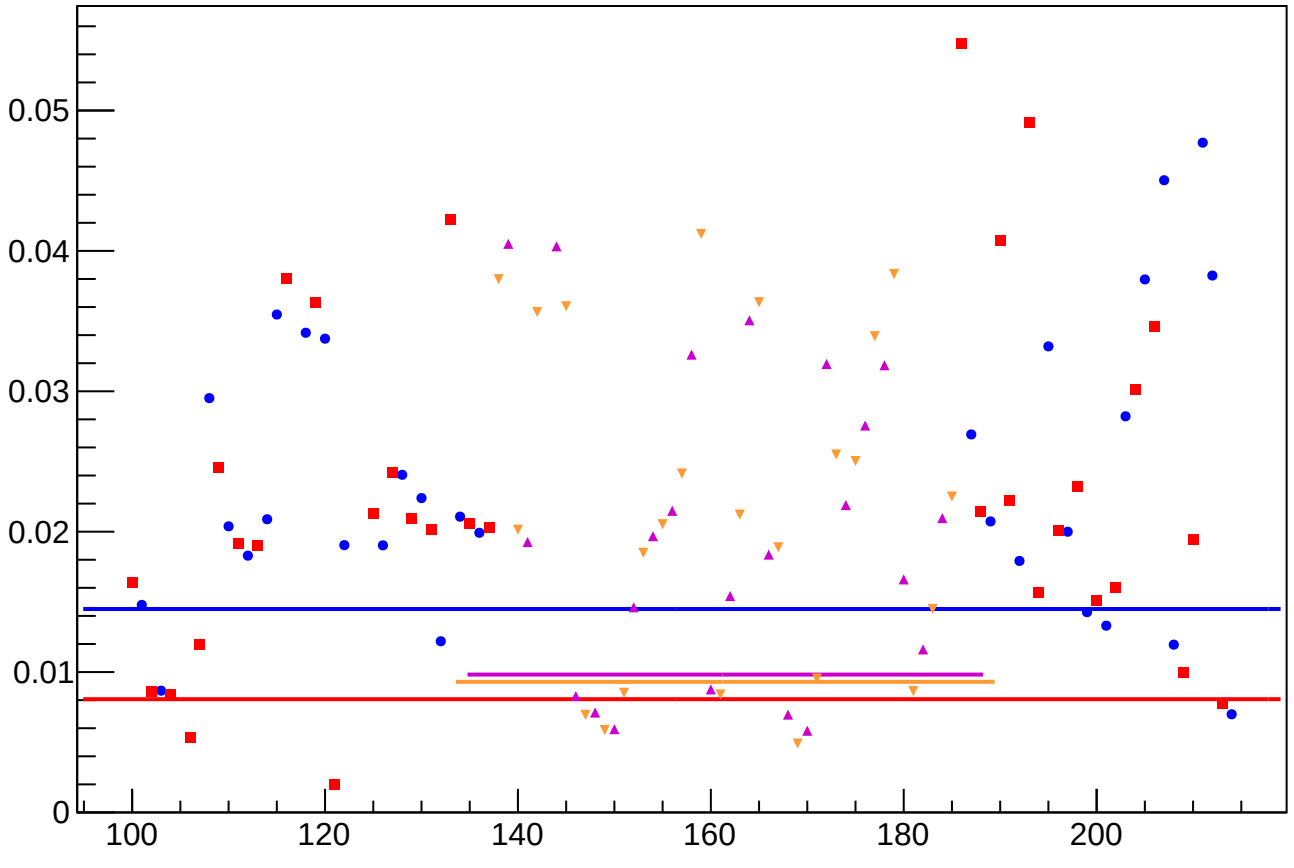
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: 0.000+/-0.000 χ^2/NDF: 99.7/62

In: -0.000+/-0.000 χ^2/NDF:69.6/52

Out: -0.000+/-0.000 χ^2/NDF:93.4/56

All: -0.000+/-0.000 χ^2/NDF: 163.1/109



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

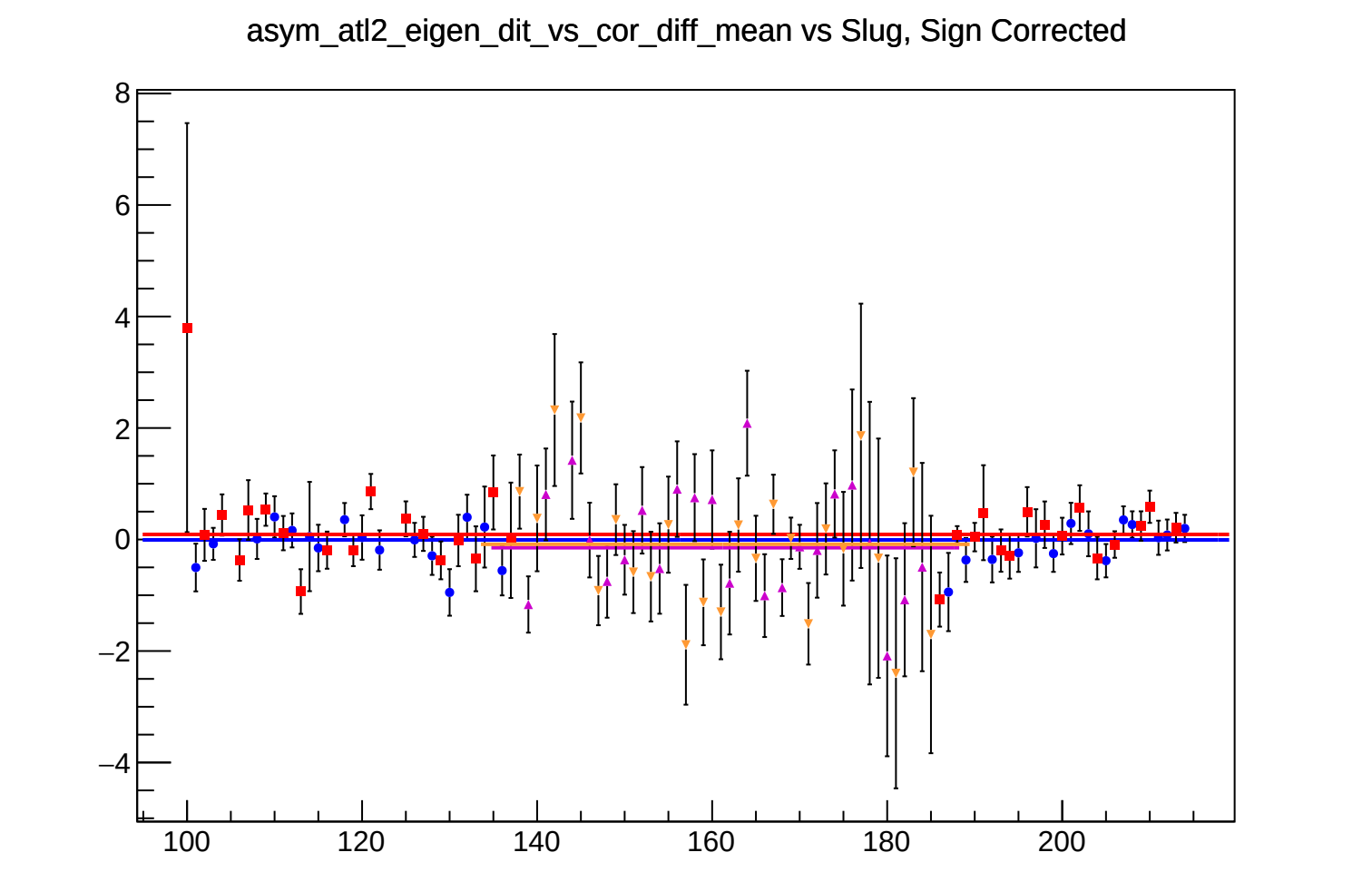
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.010+/-0.000 χ^2/NDF: 28536833.4/62

In: 0.011+/-0.000 χ^2/NDF:20194596.8/52

Out: 0.009+/-0.000 χ^2/NDF:29317634.9/56

All: 0.010+/-0.000 χ^2/NDF: 51170488.1/109



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

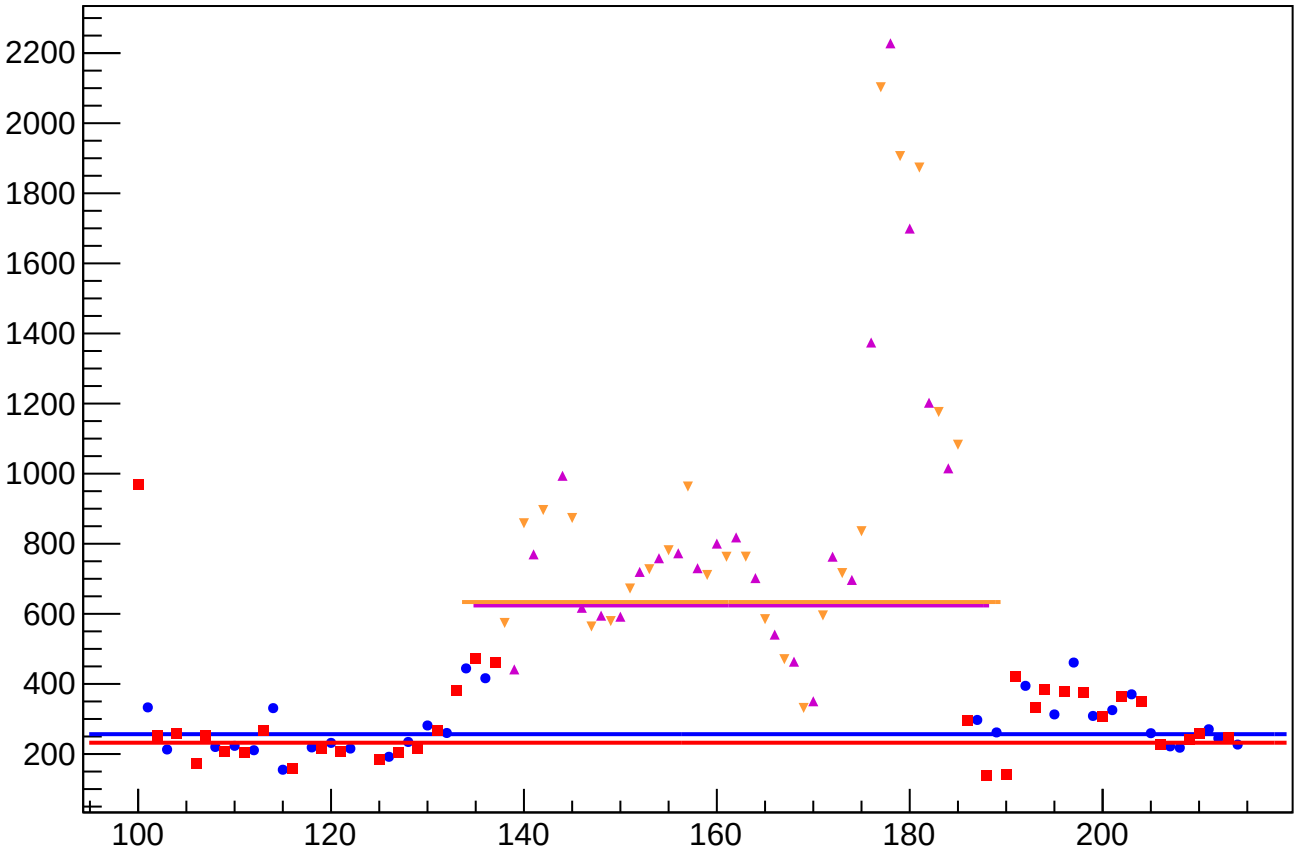
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.046+/-0.043 χ^2/NDF: 66.0/62

In: -0.027+/-0.059 χ^2/NDF:51.3/52

Out: 0.071+/-0.055 χ^2/NDF:71.8/56

All: 0.025+/-0.040 χ^2/NDF: 124.6/109



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

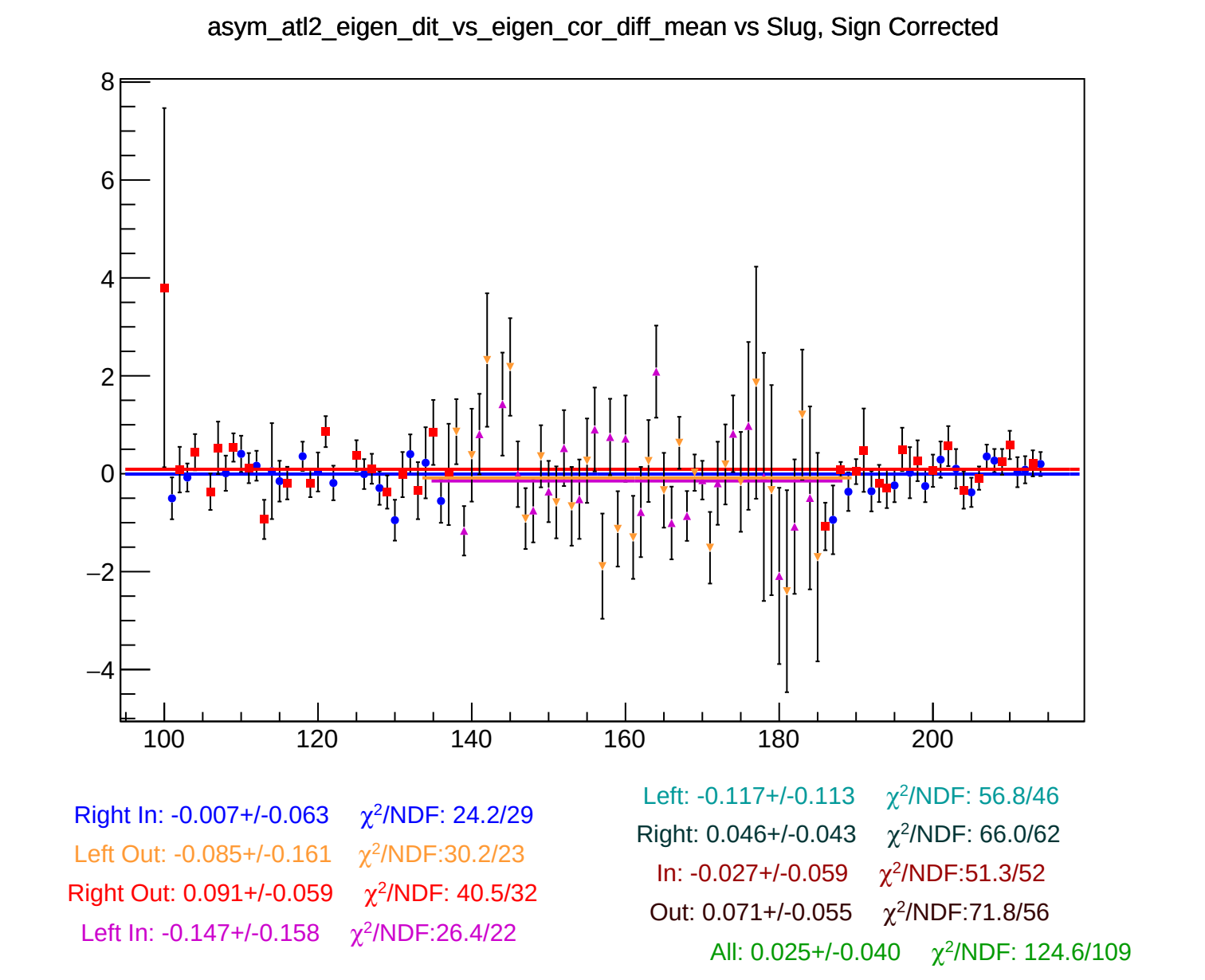
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 243.480+/-0.030 χ^2/NDF: 5485741.3/62

In: 307.374+/-0.042 χ^2/NDF:15718187.4/52

Out: 278.904+/-0.039 χ^2/NDF:19362460.7/56

All: 292.199+/-0.028 χ^2/NDF: 35330549.8/10


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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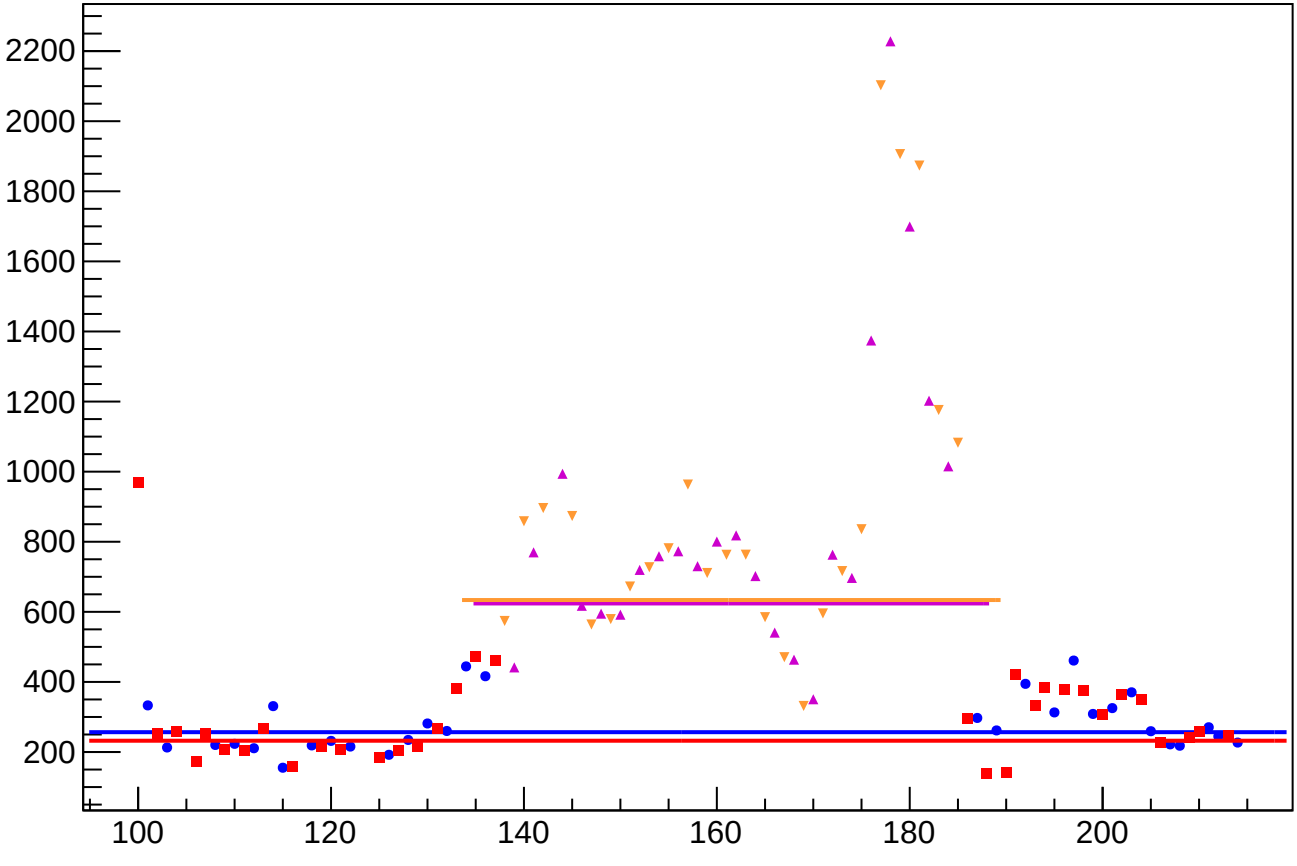
Right In: -0.007+/-0.063 χ²/NDF: 24.2/29
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.091+/-0.059 χ²/NDF: 40.5/32
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.046+/-0.043 χ²/NDF: 66.0/62
In: -0.027+/-0.059 χ²/NDF:51.3/52
Out: 0.071+/-0.055 χ²/NDF:71.8/56
All: 0.025+/-0.040 χ²/NDF: 124.6/109

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

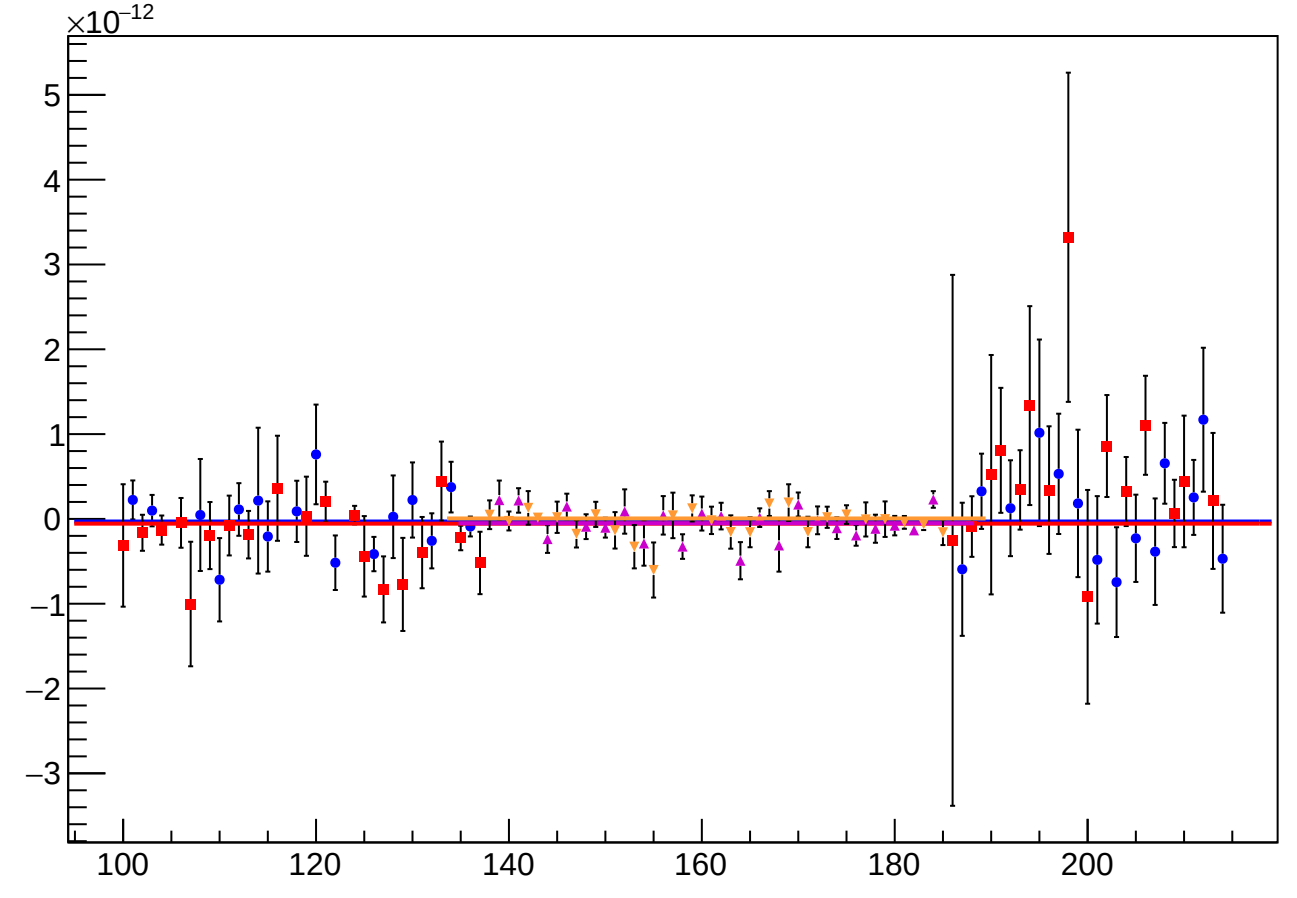
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 243.480+/-0.030 χ^2/NDF: 5485741.3/62

In: 307.374+/-0.042 χ^2/NDF:15718187.4/52

Out: 278.904+/-0.039 χ^2/NDF:19362460.7/56

All: 292.199+/-0.028 χ^2/NDF: 35330549.8/10



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

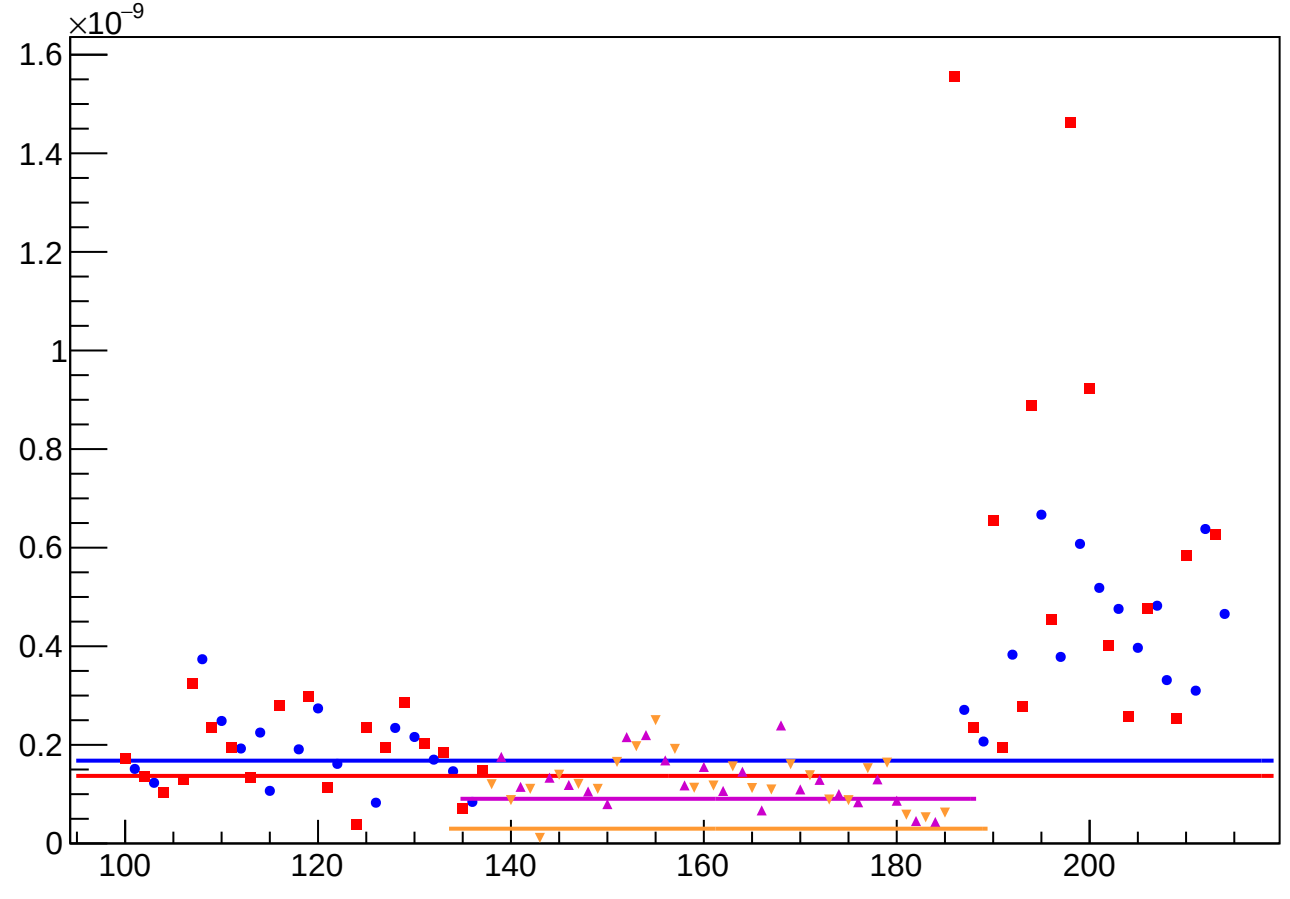
Left: -0.000+/-0.000 χ^2/NDF: 52.5/47

Right: -0.000+/-0.000 χ^2/NDF: 56.2/63

In: -0.000+/-0.000 χ^2/NDF:58.2/52

Out: 0.000+/-0.000 χ^2/NDF:48.4/58

All: -0.000+/-0.000 χ^2/NDF: 109.6/111



Right In: 0.000+/-0.000 χ^2/NDF: 6677533.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9908878.0/33

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

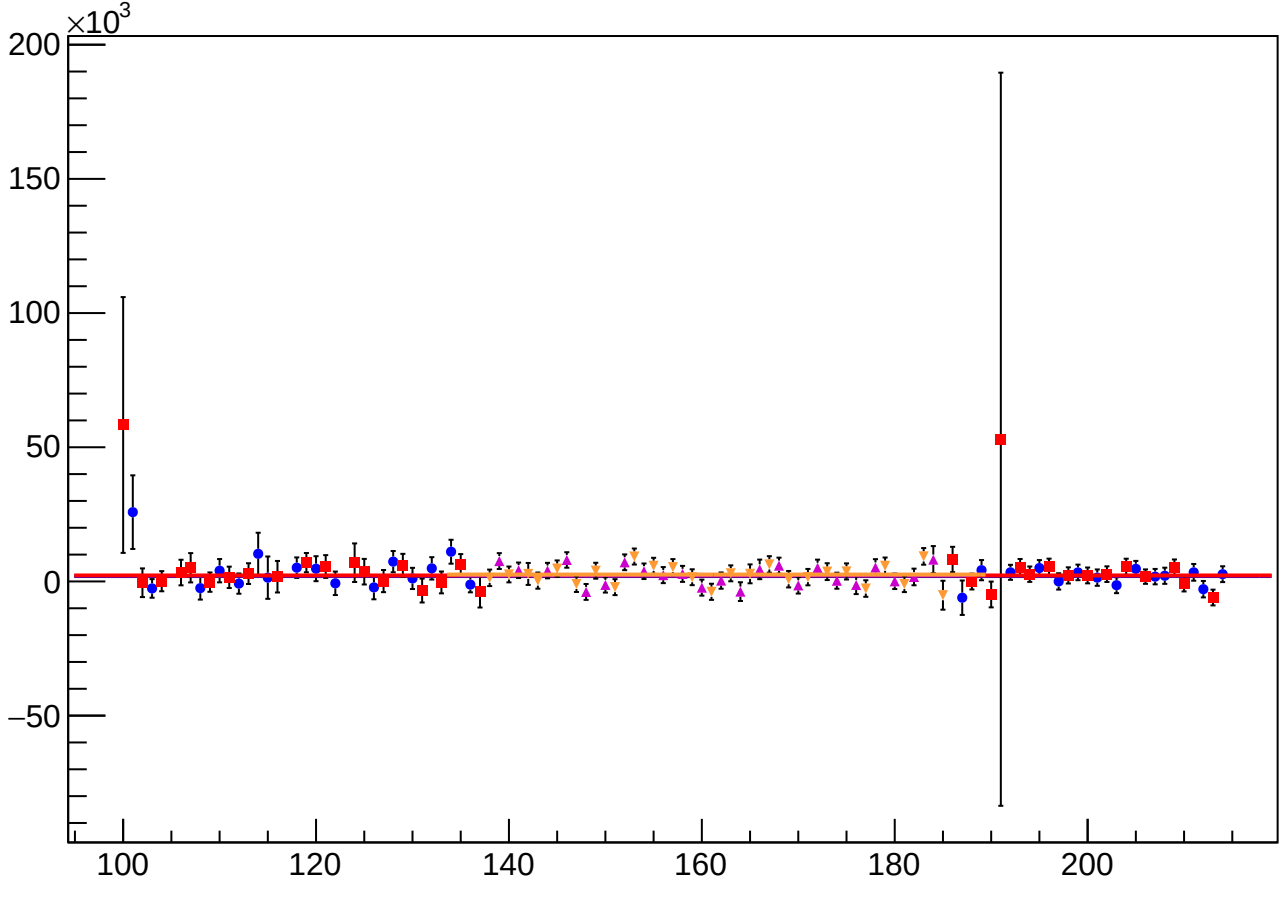
Right: 0.000+/-0.000 χ^2/NDF: 16861514.6/63

In: 0.000+/-0.000 χ^2/NDF:13959587.2/52

Out: 0.000+/-0.000 χ^2/NDF:34232429.8/58

All: 0.000+/-0.000 χ^2/NDF: 59222562.6/111

reg_asym_atr1_mean vs Slug, Sign Corrected



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

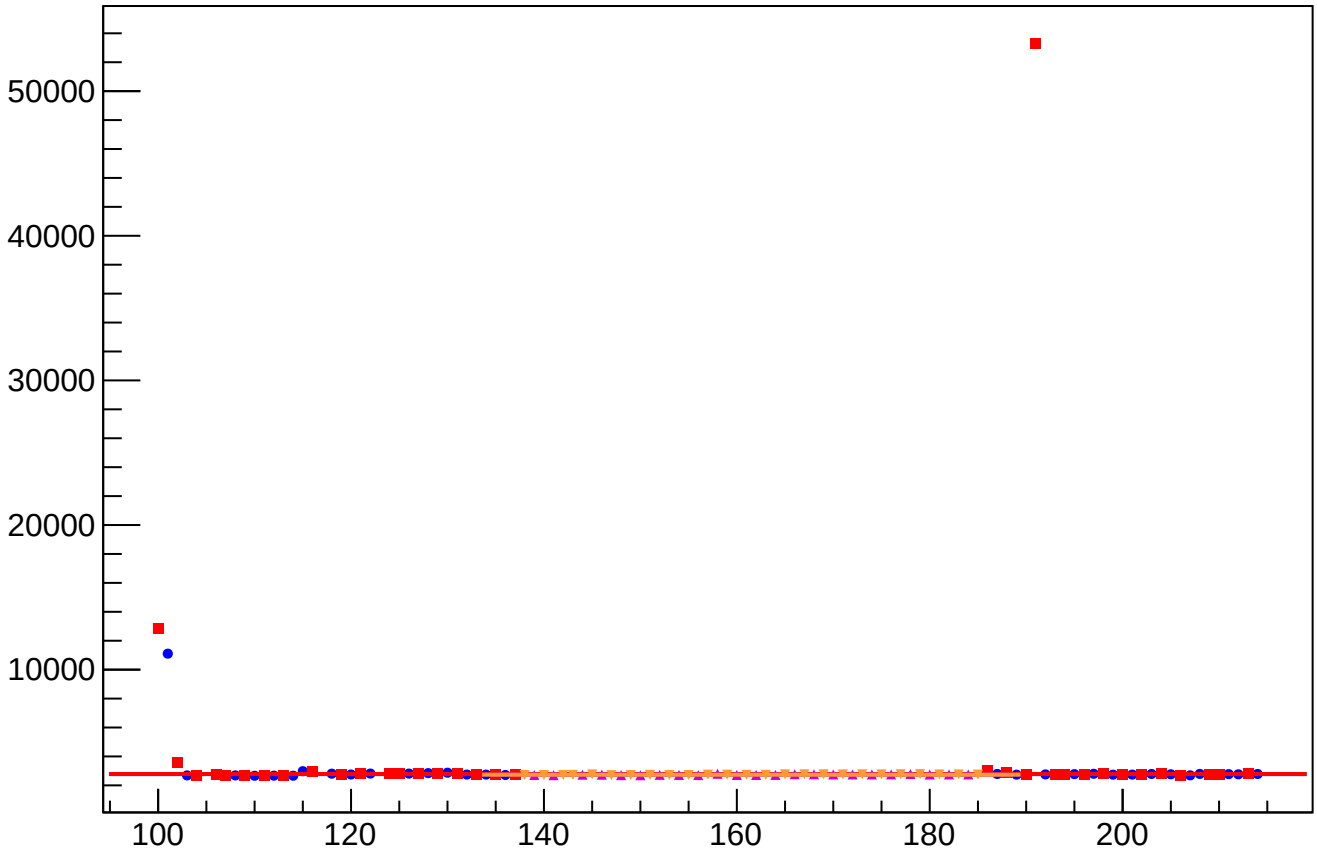
Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

Right: 2117.820+/-460.416 χ^2/NDF: 54.9/63

In: 2214.246+/-457.882 χ^2/NDF:58.2/52

Out: 2396.134+/-448.231 χ^2/NDF:60.0/58

All: 2307.127+/-320.305 χ^2/NDF: 118.2/111



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

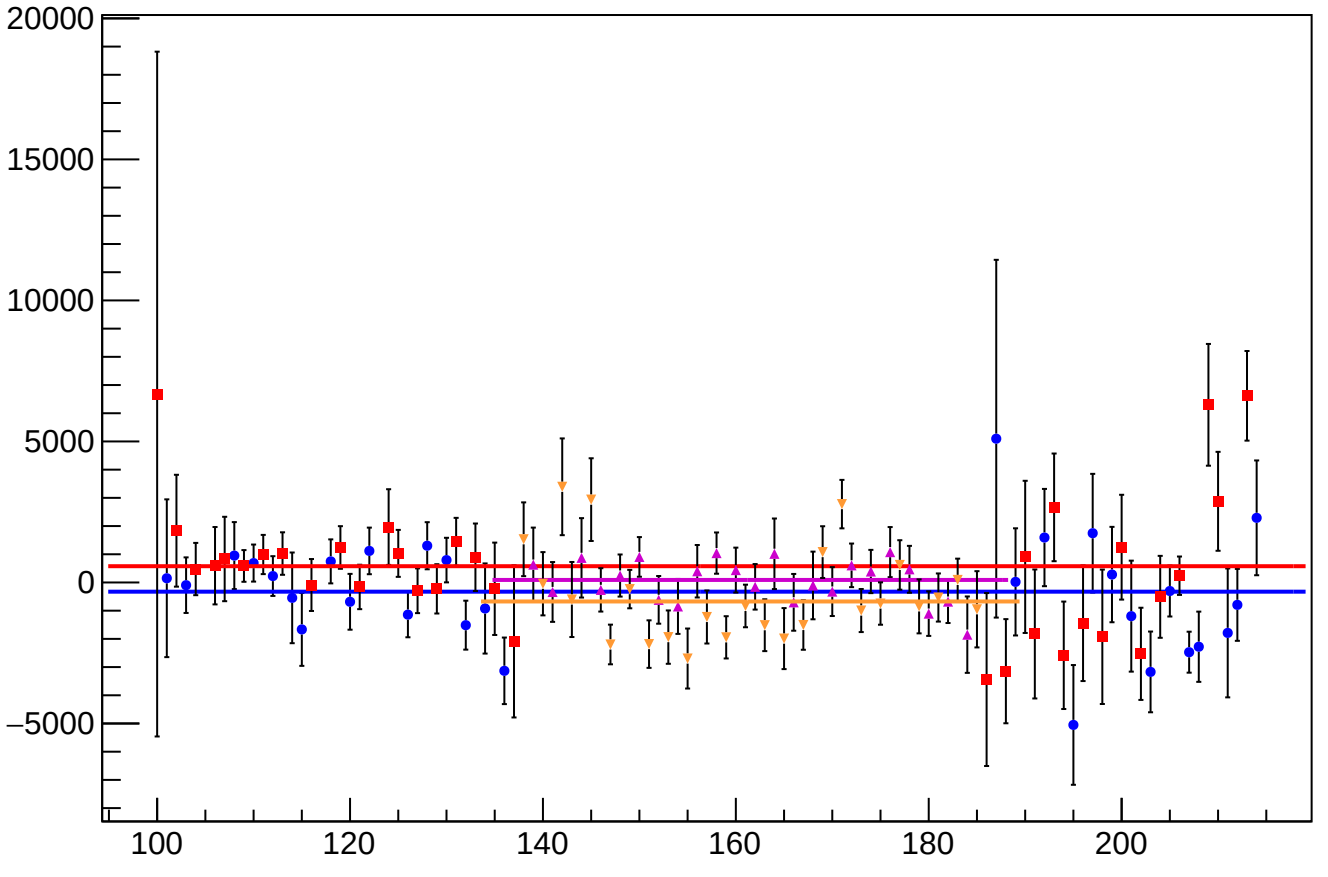
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2782.655+/-0.326 χ^2/NDF: 1232157.1/63

In: 2758.967+/-0.324 χ^2/NDF:757547.4/52

Out: 2760.895+/-0.317 χ^2/NDF:489709.1/58

All: 2759.951+/-0.226 χ^2/NDF: 1247274.6/11



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

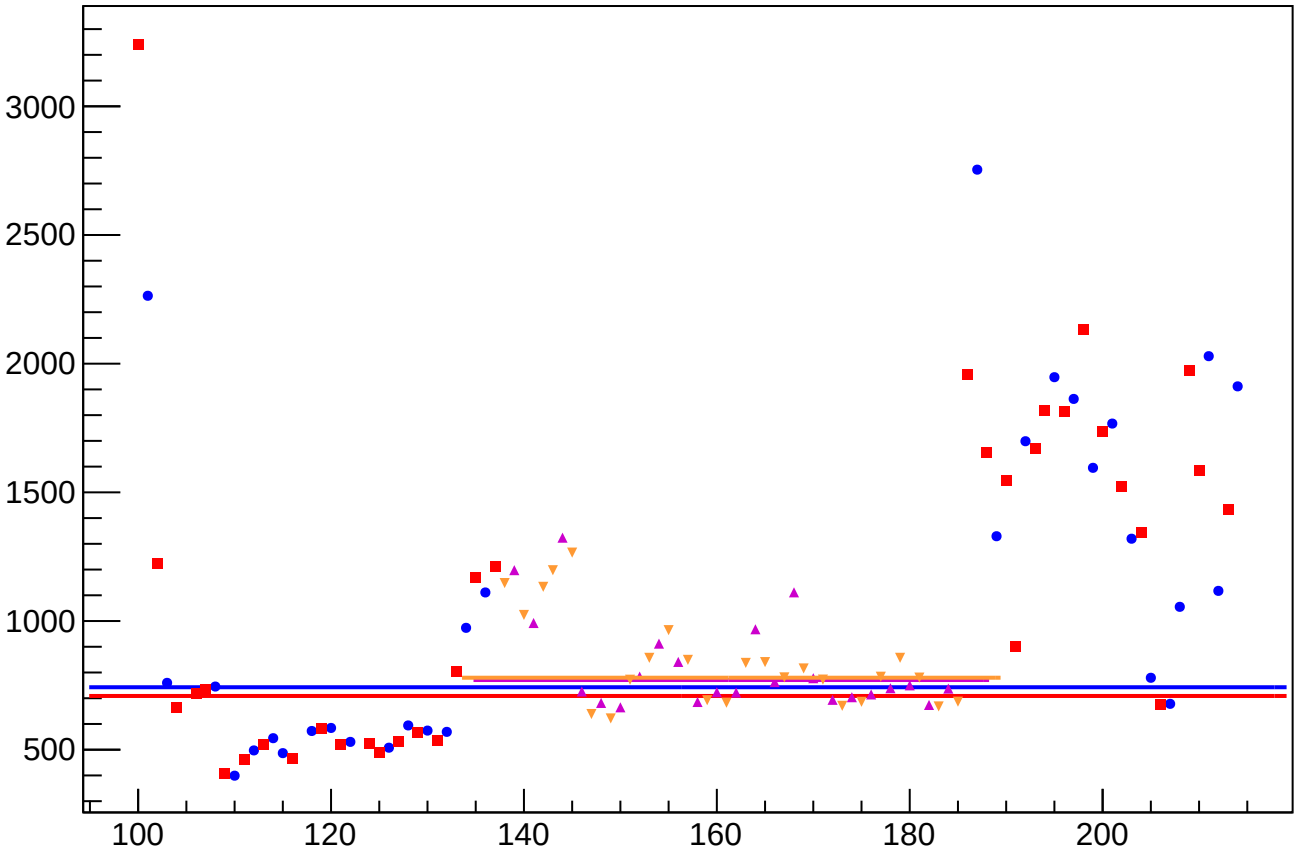
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 142.499+/-137.739 χ^2/NDF: 111.3/63

In: -101.996+/-134.790 χ^2/NDF:67.7/52

Out: -81.775+/-131.515 χ^2/NDF:130.9/58

All: -91.637+/-94.132 χ^2/NDF: 198.6/111



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

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

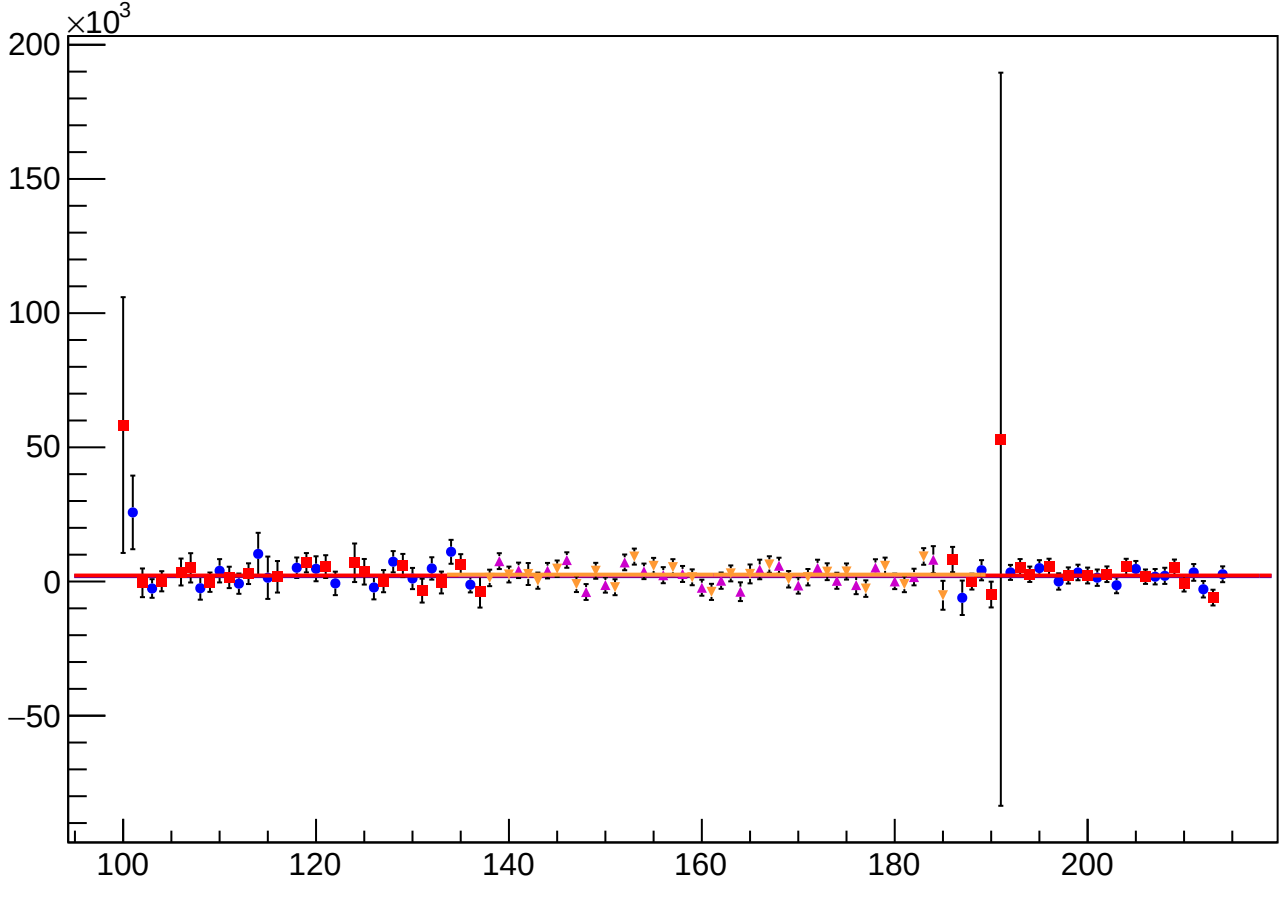
Right: 725.103+/-0.097 χ^2/NDF: 16427555.1/63

In: 757.868+/-0.095 χ^2/NDF:8714822.7/52

Out: 746.143+/-0.093 χ^2/NDF:10169093.9/58

All: 751.861+/-0.067 χ^2/NDF: 18891669.1/11

cor_asym_atr1_mean vs Slug, Sign Corrected



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

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

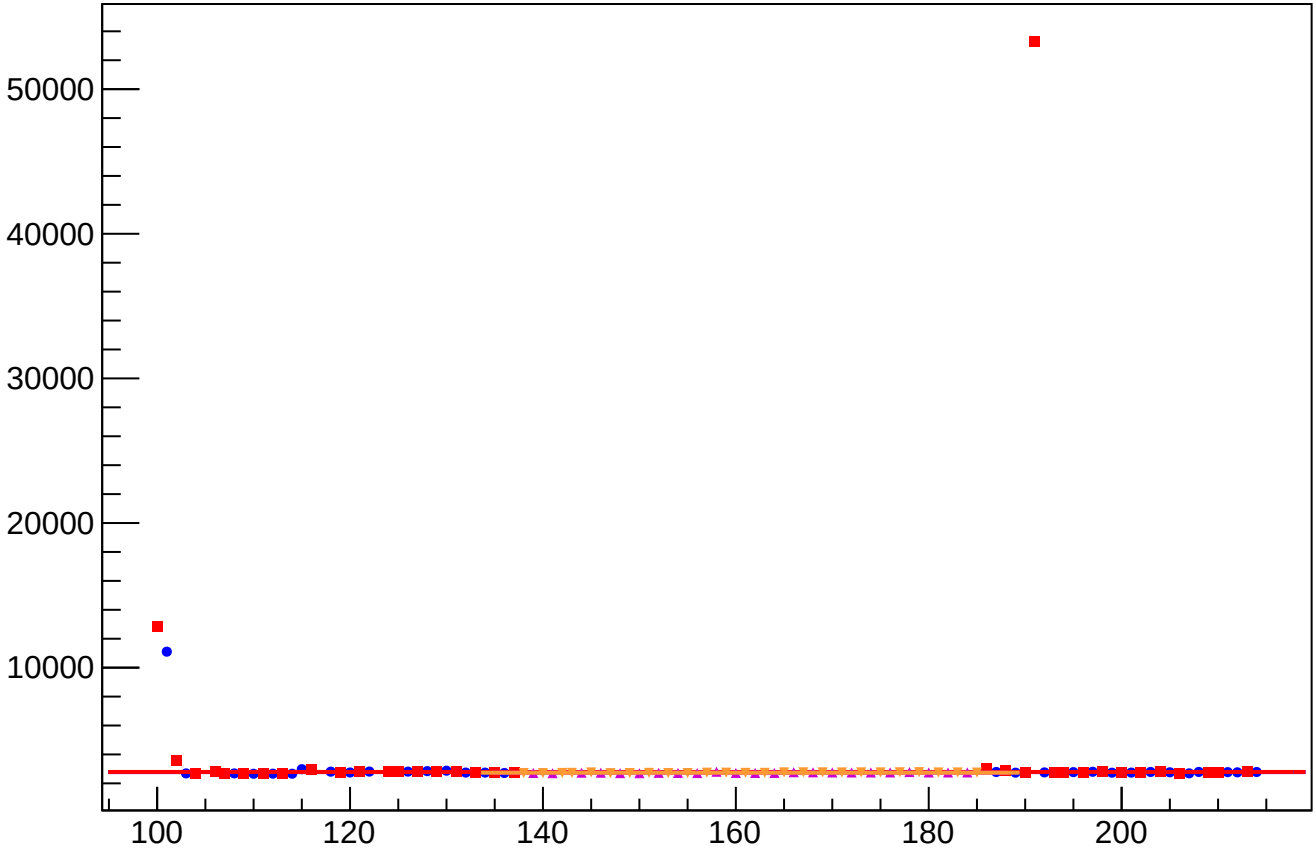
Right: 2118.551+/-460.625 χ^2/NDF: 54.9/63

In: 2214.155+/-457.882 χ^2/NDF:58.1/52

Out: 2397.204+/-448.424 χ^2/NDF:60.0/58

All: 2307.589+/-320.375 χ^2/NDF: 118.2/111

cor_asym_atr1_rms vs Slug, Sign Corrected



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

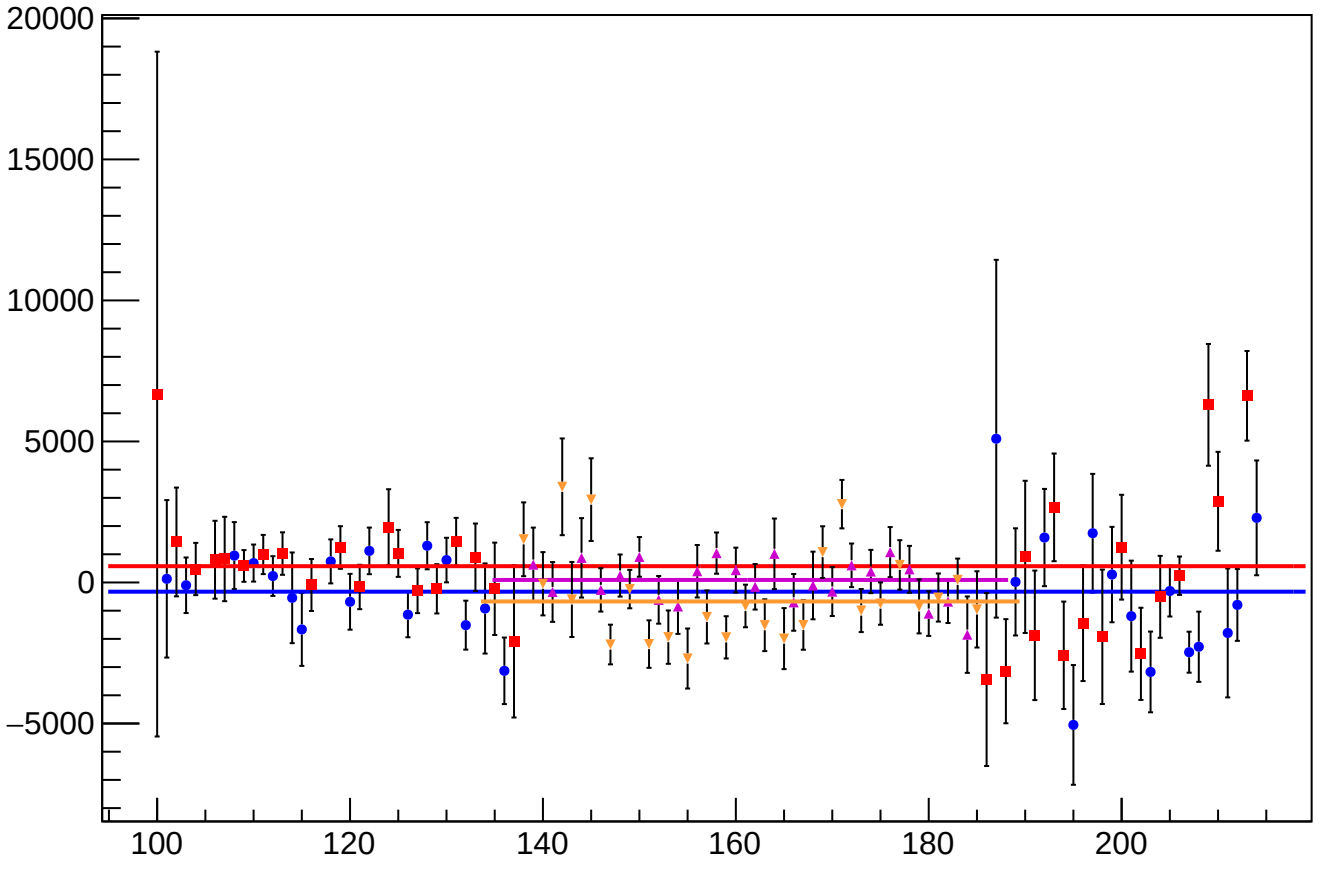
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2783.700+/-0.326 χ^2/NDF: 1232066.6/63

In: 2758.967+/-0.324 χ^2/NDF:757546.5/52

Out: 2761.867+/-0.317 χ^2/NDF:490045.3/58

All: 2760.447+/-0.227 χ^2/NDF: 1247632.8/11



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

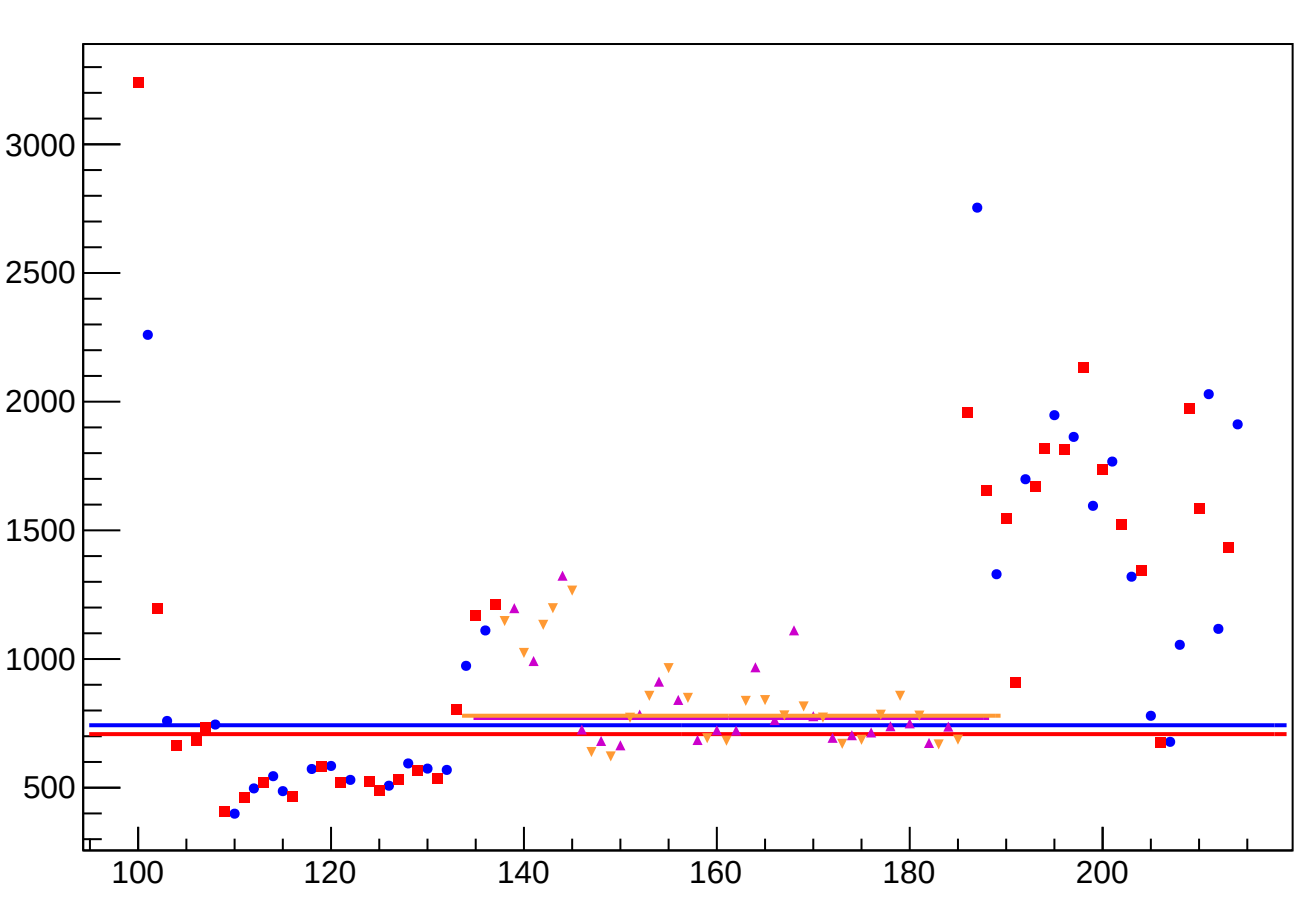
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 142.922+/-137.727 χ^2/NDF: 111.1/63

In: -101.935+/-134.788 χ^2/NDF:67.7/52

Out: -81.304+/-131.507 χ^2/NDF:130.8/58

All: -91.366+/-94.128 χ^2/NDF: 198.5/111



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

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

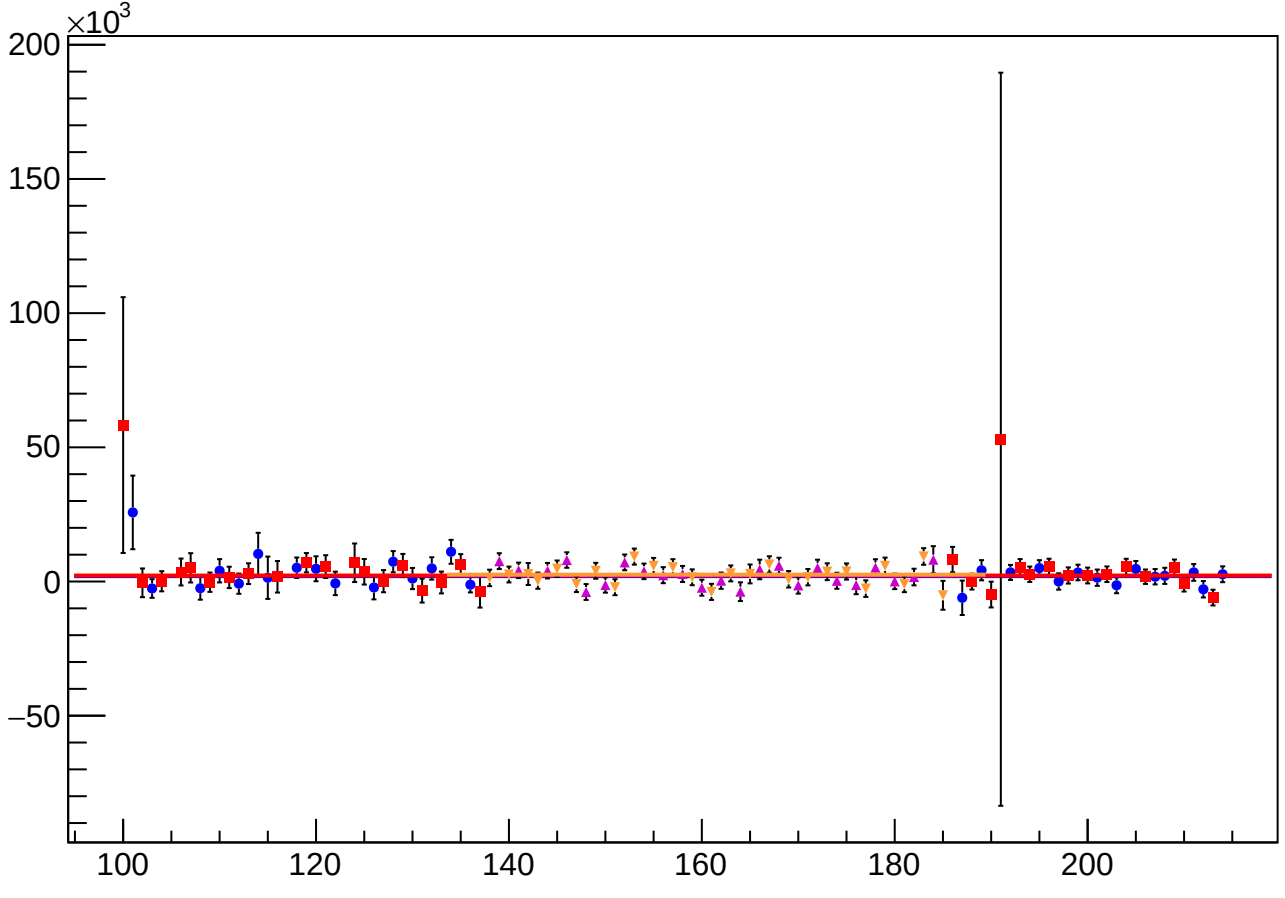
Right: 724.785+/-0.097 χ^2/NDF: 16423850.9/63

In: 757.864+/-0.095 χ^2/NDF:8713953.4/52

Out: 745.854+/-0.093 χ^2/NDF:10167656.3/58

All: 751.711+/-0.067 χ^2/NDF: 18889743.8/1

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



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

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

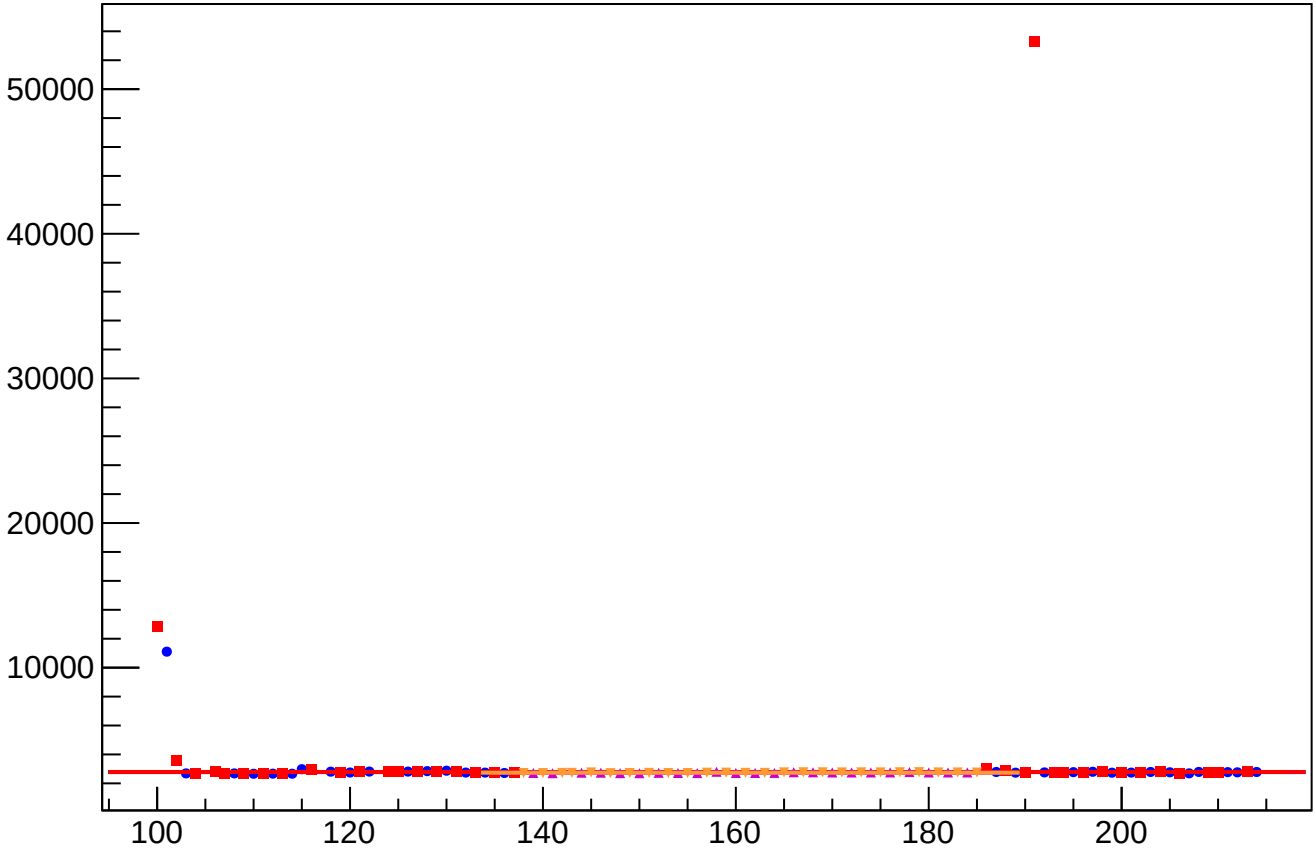
Right: 2118.551+/-460.625 χ^2/NDF: 54.9/63

In: 2214.155+/-457.882 χ^2/NDF:58.1/52

Out: 2397.204+/-448.424 χ^2/NDF:60.0/58

All: 2307.589+/-320.375 χ^2/NDF: 118.2/111

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



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

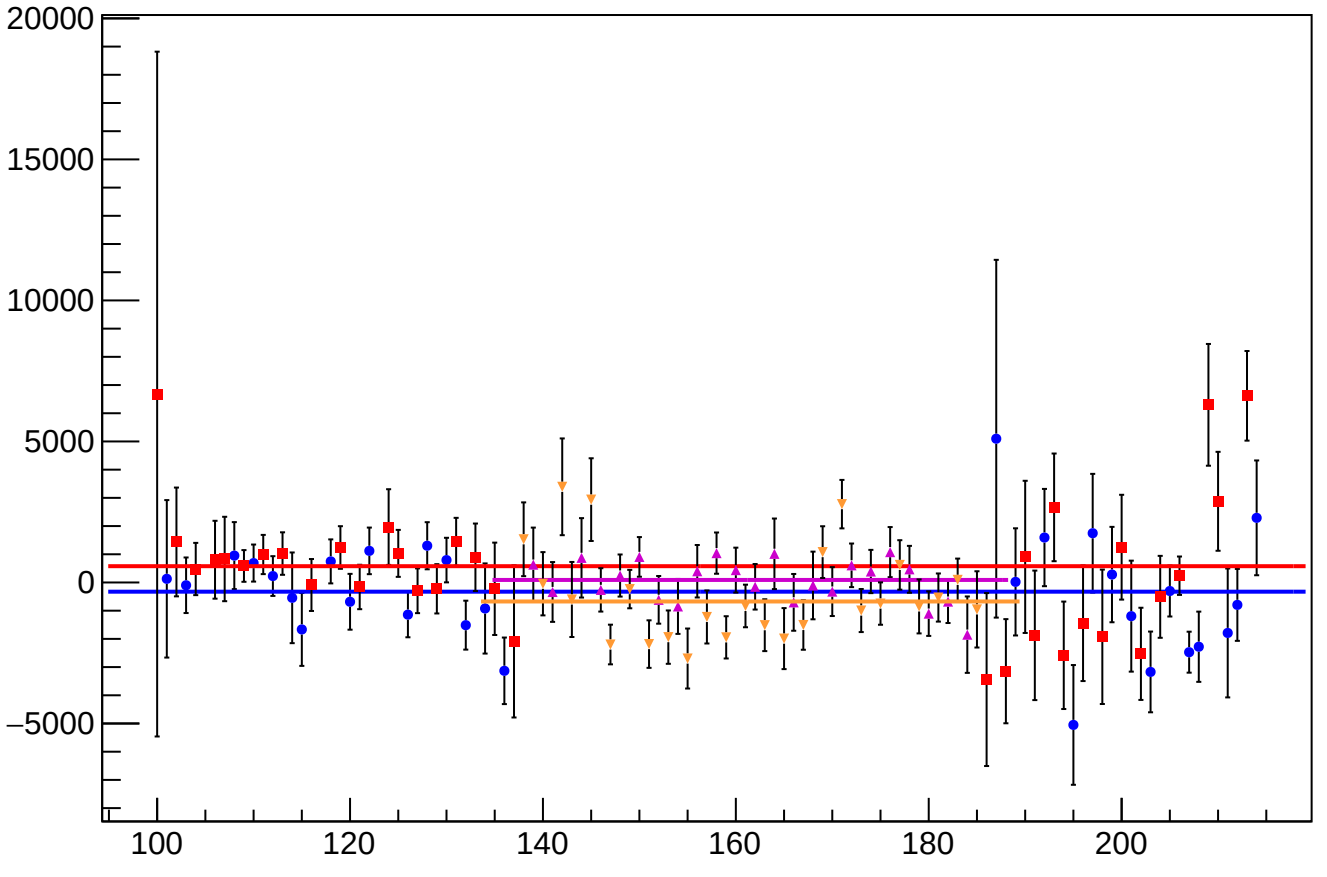
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2783.700+/-0.326 χ^2/NDF: 1232066.6/63

In: 2758.967+/-0.324 χ^2/NDF:757546.5/52

Out: 2761.867+/-0.317 χ^2/NDF:490045.3/58

All: 2760.447+/-0.227 χ^2/NDF: 1247632.8/11



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

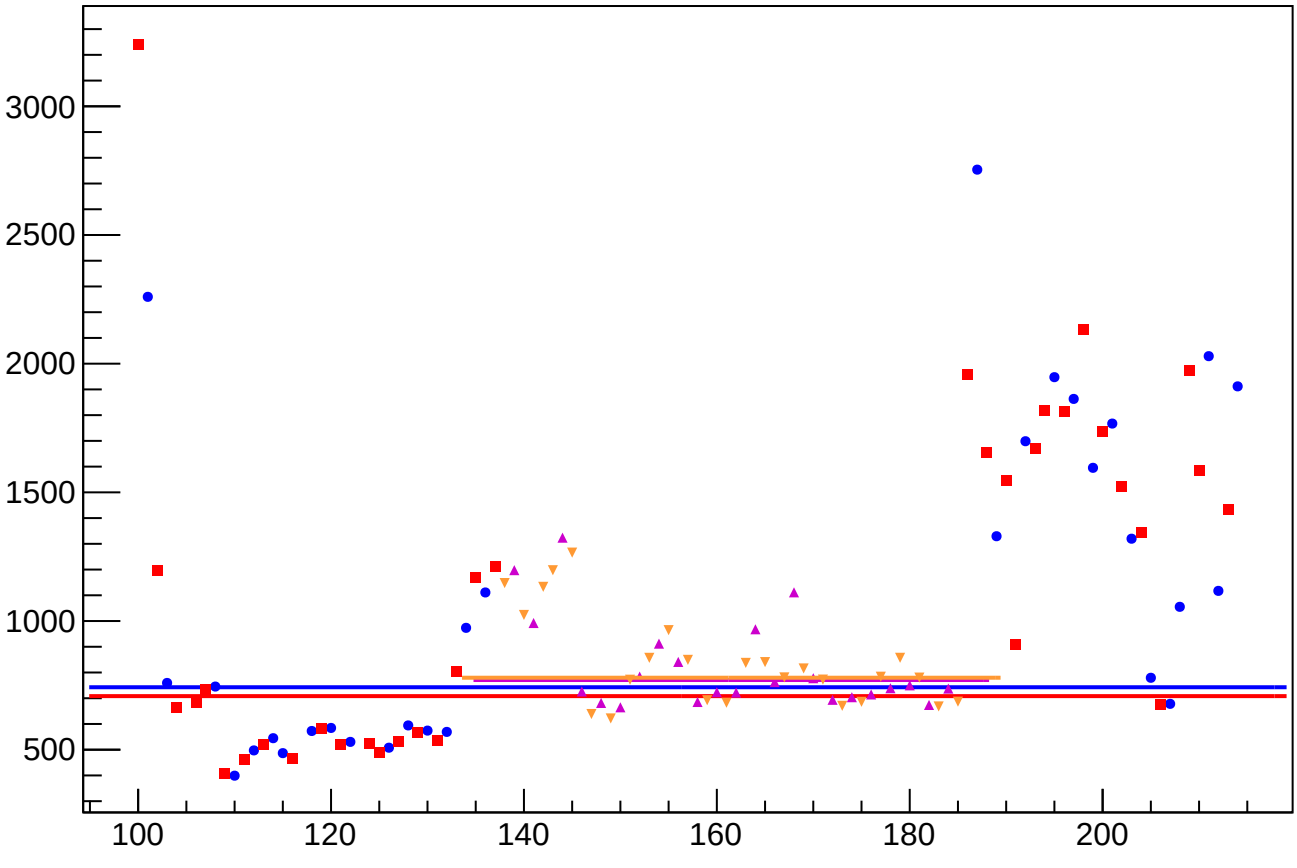
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 142.922+/-137.727 χ^2/NDF: 111.1/63

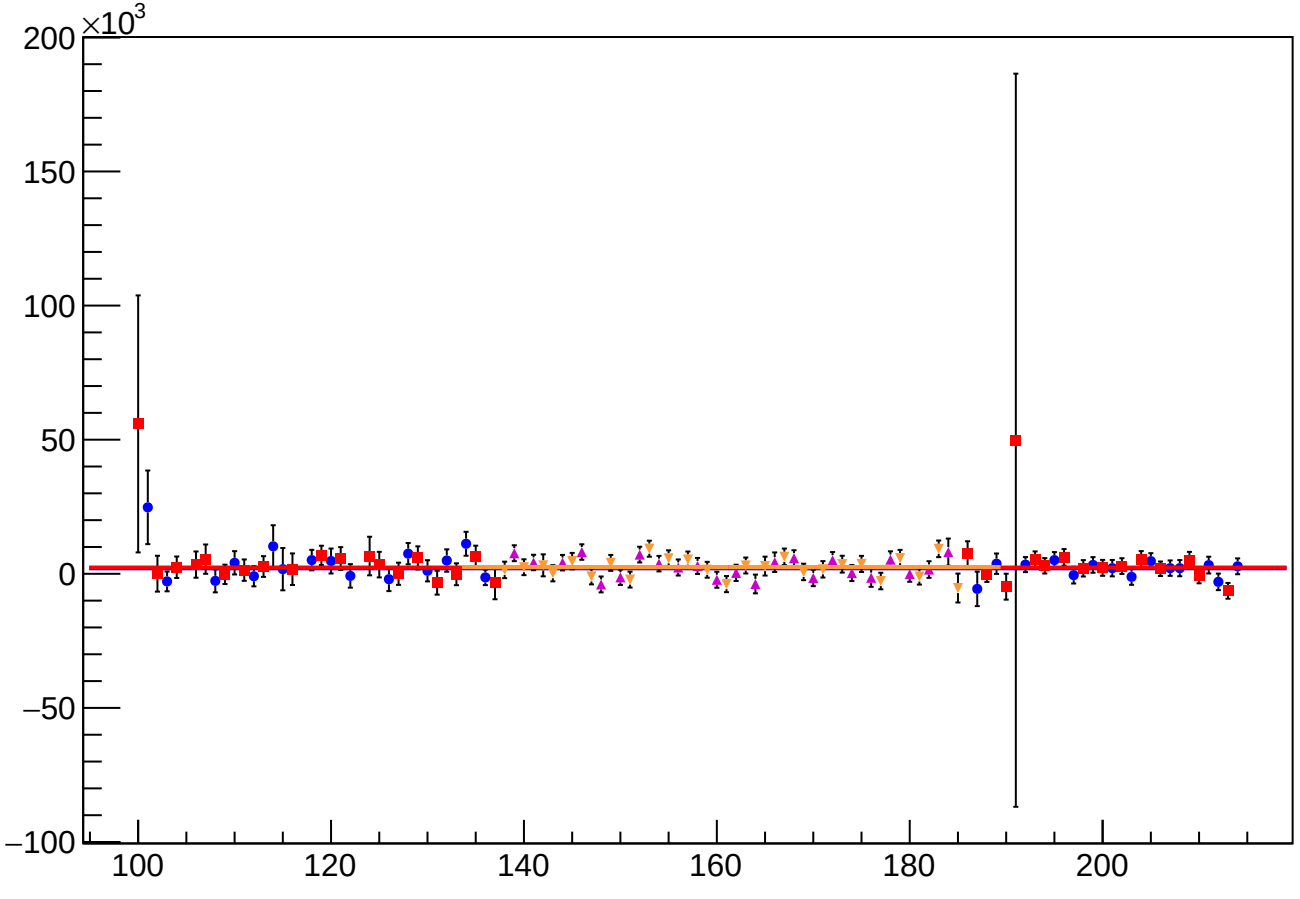
In: -101.935+/-134.788 χ^2/NDF:67.7/52

Out: -81.304+/-131.507 χ^2/NDF:130.8/58

All: -91.366+/-94.128 χ^2/NDF: 198.5/111


asym_atr1_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 742.703+/-0.140 χ²/NDF: 7616074.7/29
Left Out: 779.713+/-0.128 χ²/NDF:1243769.6/24
Right Out: 708.199+/-0.135 χ²/NDF: 8776440.9/33
Left In: 770.799+/-0.130 χ²/NDF:1076291.1/22
Left: 775.311+/-0.091 χ²/NDF: 2322450.1/47
Right: 724.785+/-0.097 χ²/NDF: 16423850.9/63
In: 757.864+/-0.095 χ²/NDF:8713953.4/52
Out: 745.854+/-0.093 χ²/NDF:10167656.3/58
All: 751.711+/-0.067 χ²/NDF: 18889743.8/1

dit_asym_atr1_mean vs Slug, Sign Corrected



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

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

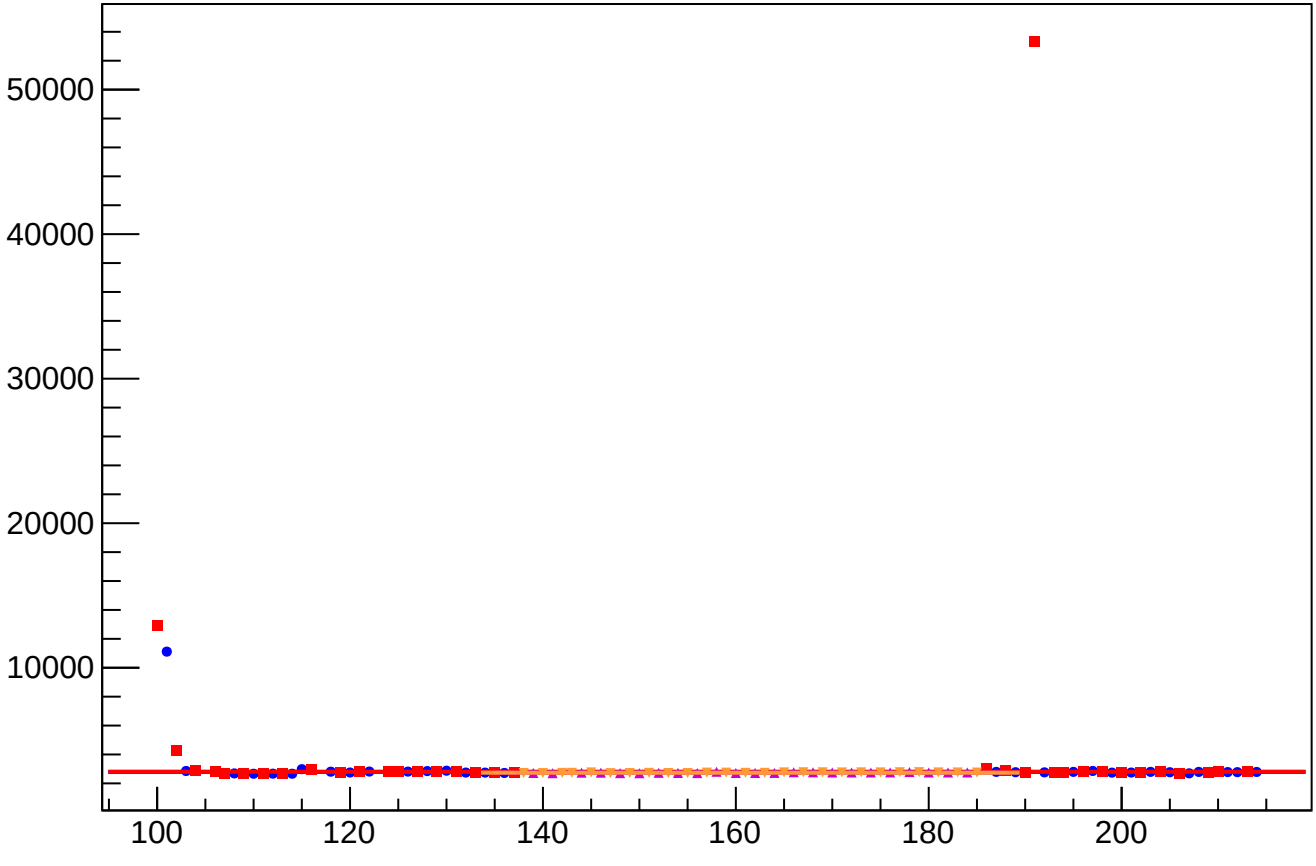
Right: 2195.991+/-463.597 χ^2/NDF: 54.6/63

In: 2233.739+/-459.174 χ^2/NDF:58.5/52

Out: 2446.761+/-450.218 χ^2/NDF:60.0/58

All: 2342.348+/-321.472 χ^2/NDF: 118.6/111

dit_asym_atr1_rms vs Slug, Sign Corrected



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

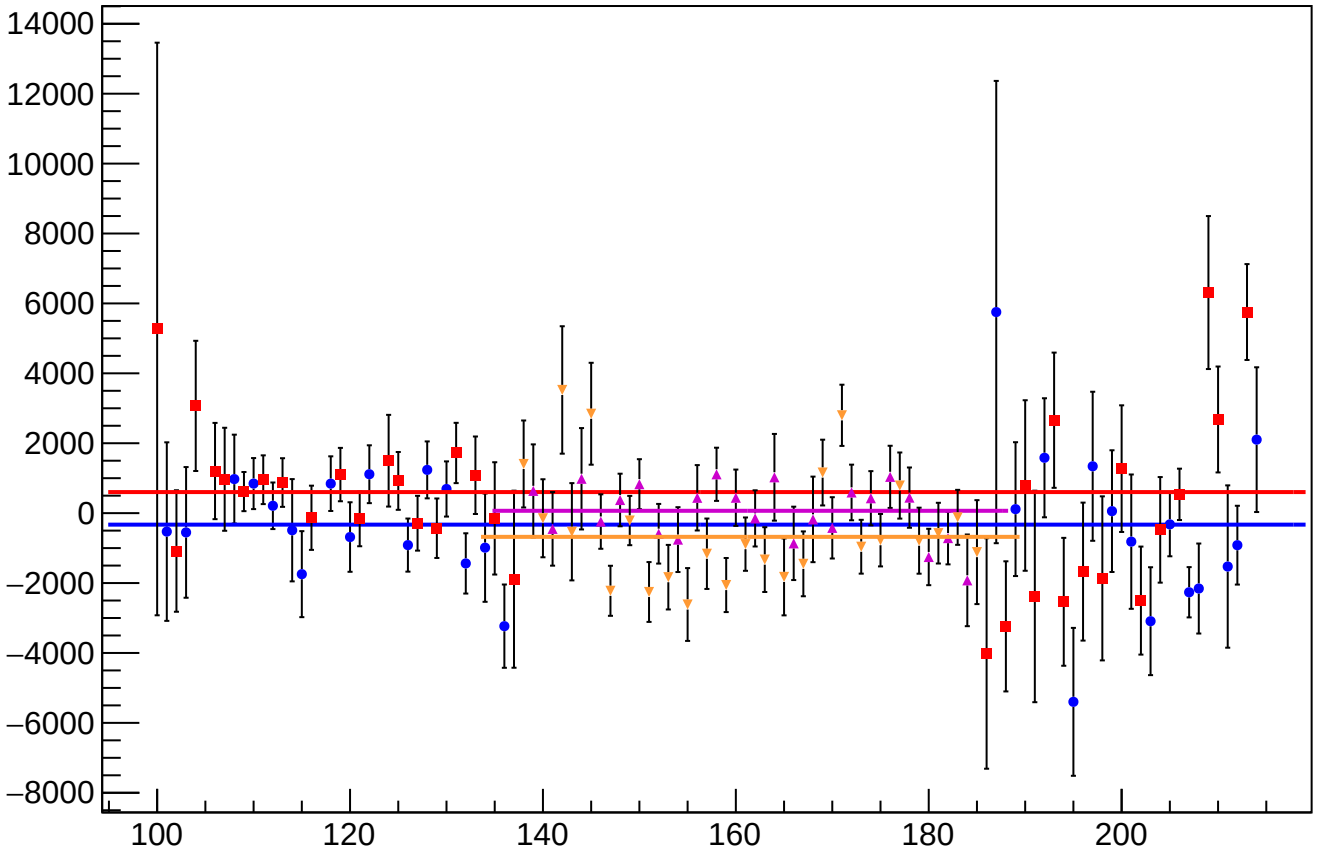
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2798.887+/-0.328 χ^2/NDF: 1285397.2/63

In: 2766.624+/-0.325 χ^2/NDF:759947.2/52

Out: 2770.265+/-0.318 χ^2/NDF:547660.9/58

All: 2768.480+/-0.227 χ^2/NDF: 1307672.2/11



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

Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

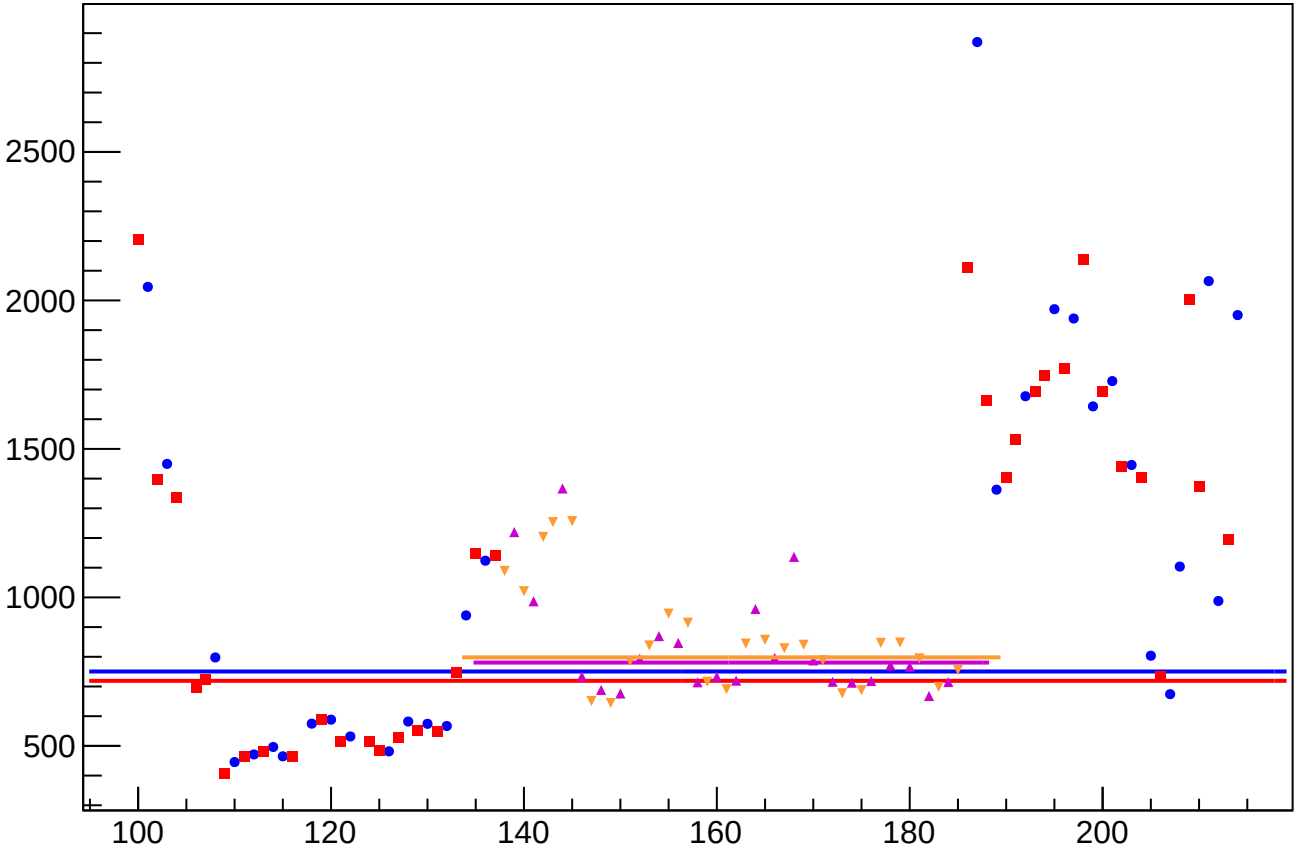
Right: 157.480+/-138.875 χ^2/NDF: 112.4/63

In: -115.074+/-136.258 χ^2/NDF:65.7/52

Out: -62.168+/-133.288 χ^2/NDF:132.6/58

All: -88.038+/-95.282 χ^2/NDF: 198.4/111

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



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

Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

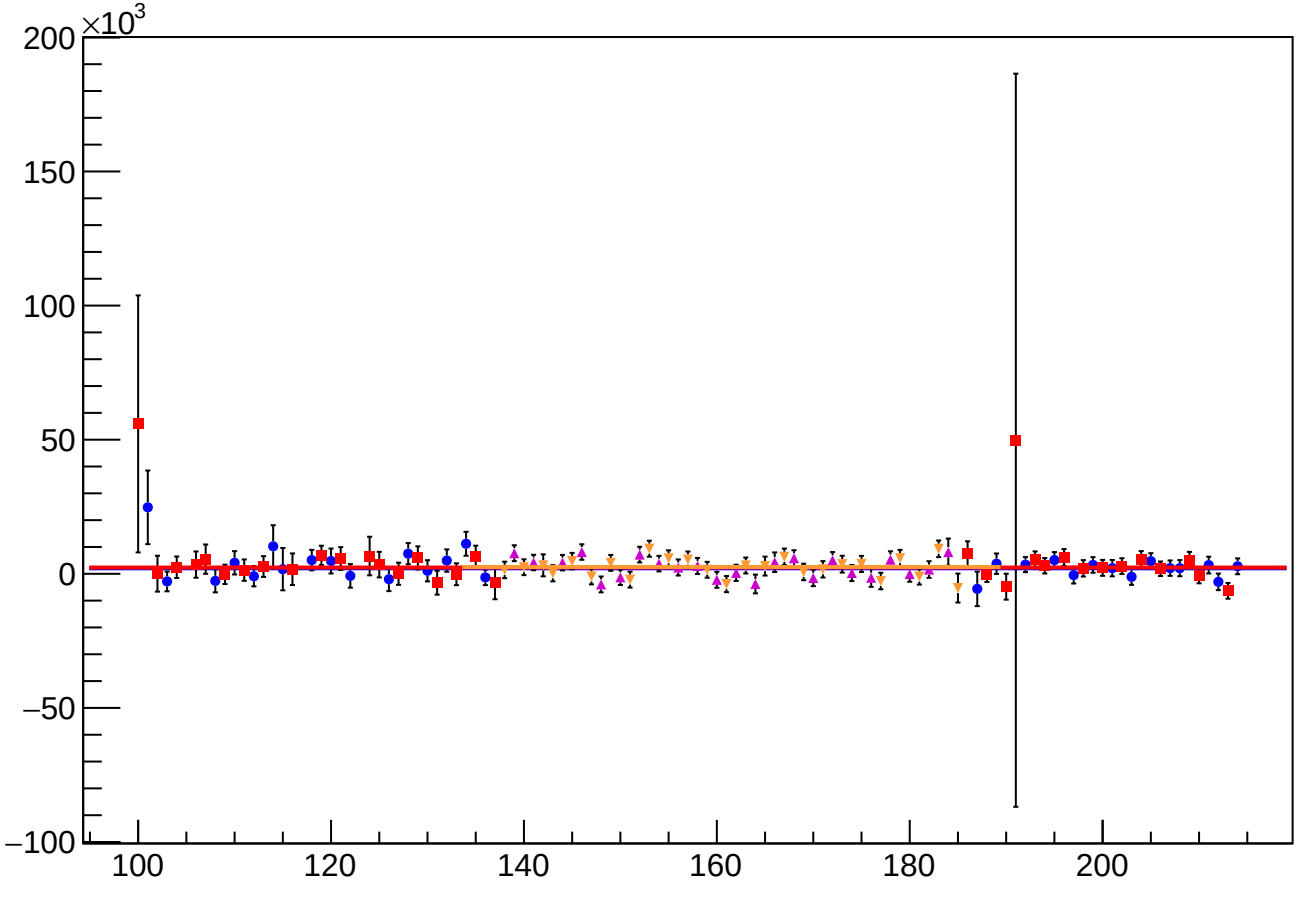
Right: 734.085+/-0.098 χ^2/NDF: 17136769.6/63

In: 766.709+/-0.096 χ^2/NDF:9121283.8/52

Out: 760.085+/-0.094 χ^2/NDF:10422747.1/58

All: 763.324+/-0.067 χ^2/NDF: 19546446.3/1

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



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

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

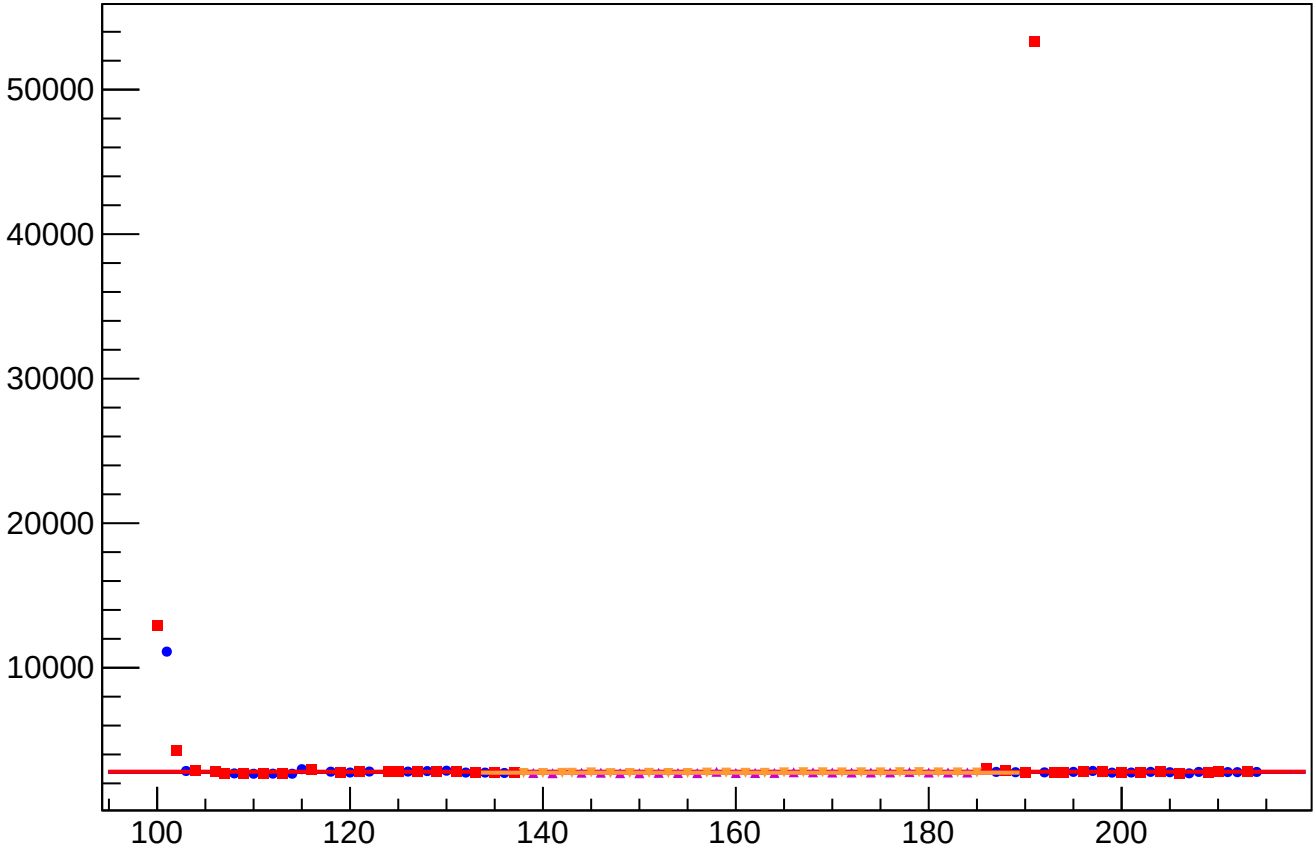
Right: 2195.990+/-463.597 χ^2/NDF: 54.6/63

In: 2233.740+/-459.174 χ^2/NDF:58.5/52

Out: 2446.760+/-450.218 χ^2/NDF:60.0/58

All: 2342.347+/-321.472 χ^2/NDF: 118.6/111

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



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

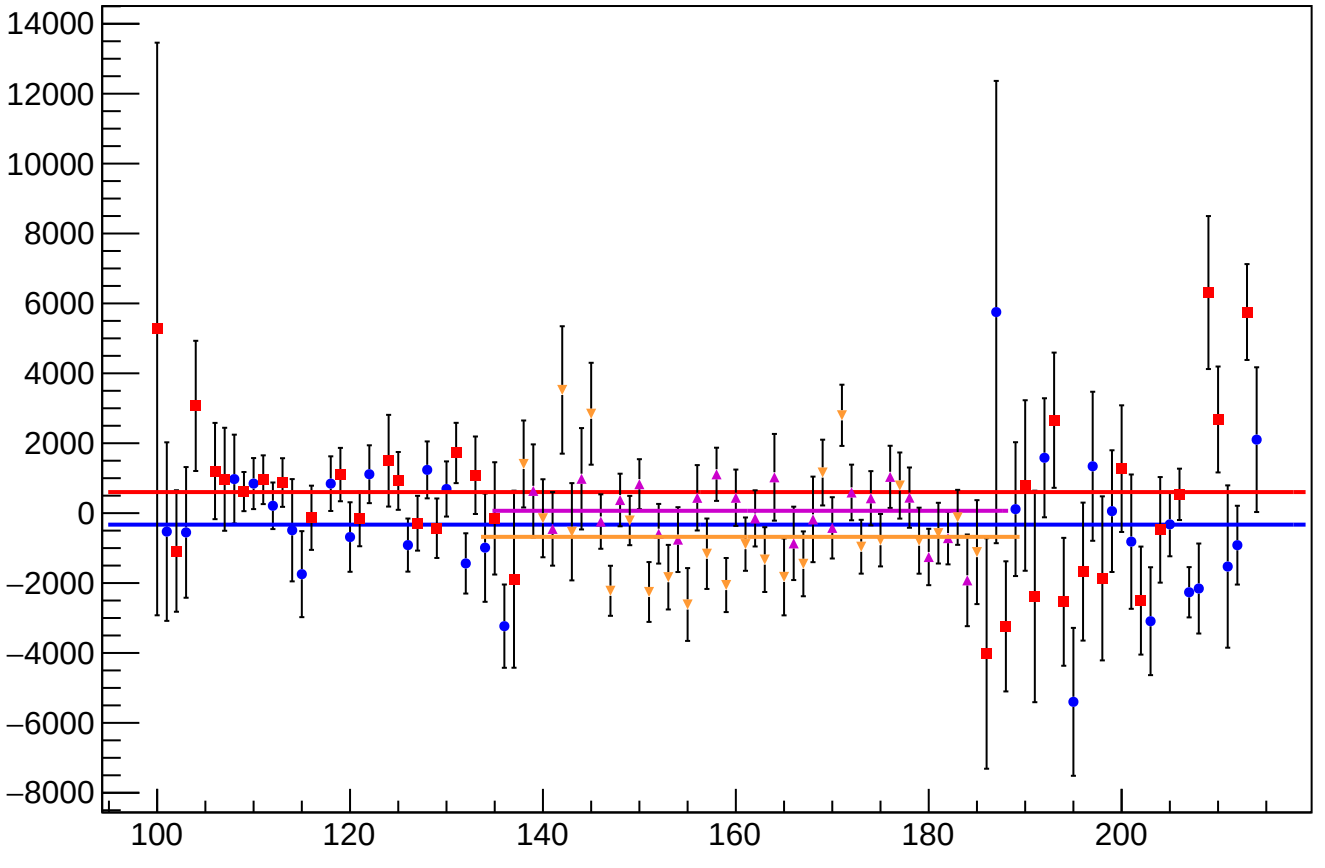
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2798.887+/-0.328 χ^2/NDF: 1285397.0/63

In: 2766.624+/-0.325 χ^2/NDF:759947.1/52

Out: 2770.265+/-0.318 χ^2/NDF:547660.7/58

All: 2768.480+/-0.227 χ^2/NDF: 1307671.9/11



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

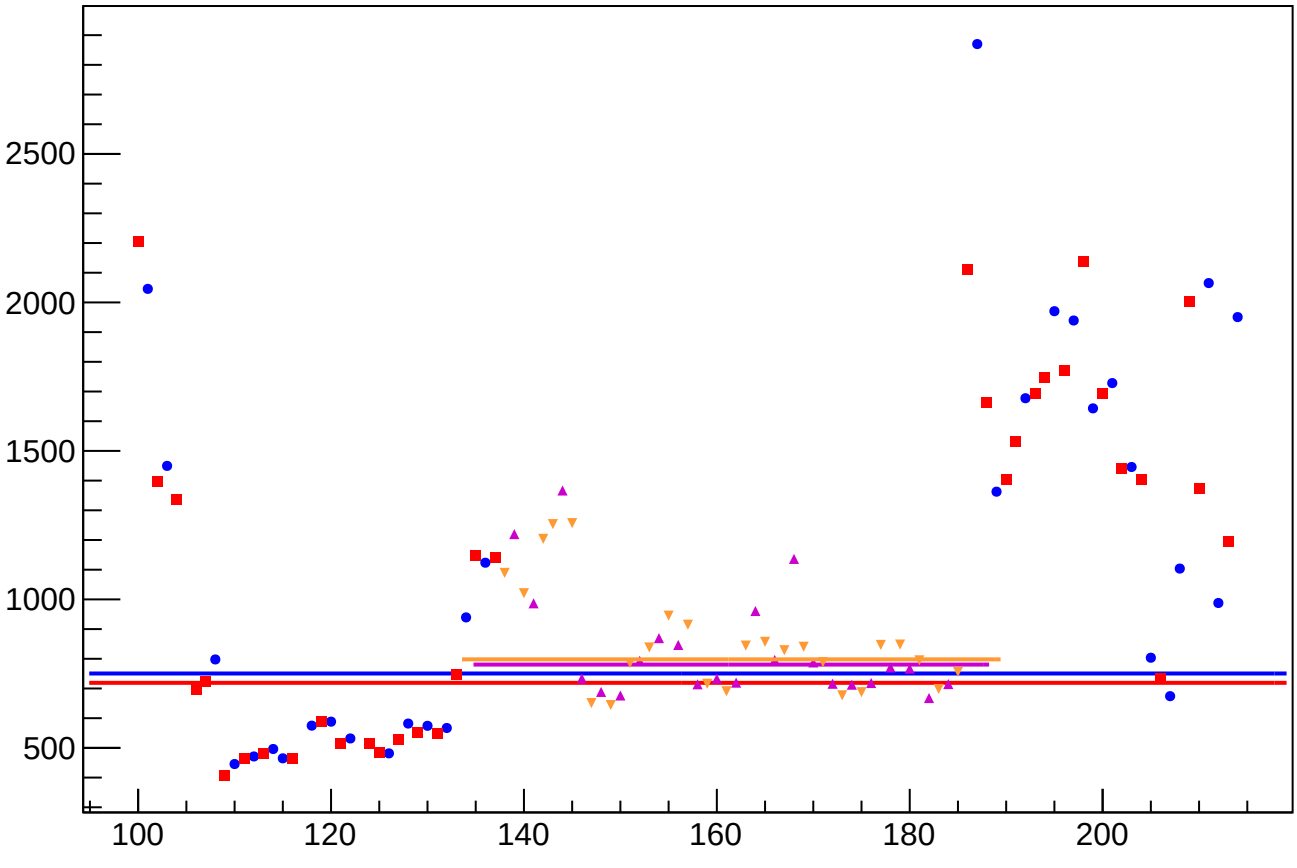
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 157.480+/-138.875 χ^2/NDF: 112.4/63

In: -115.073+/-136.258 χ^2/NDF:65.7/52

Out: -62.169+/-133.288 χ^2/NDF:132.6/58

All: -88.038+/-95.282 χ^2/NDF: 198.4/111



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

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

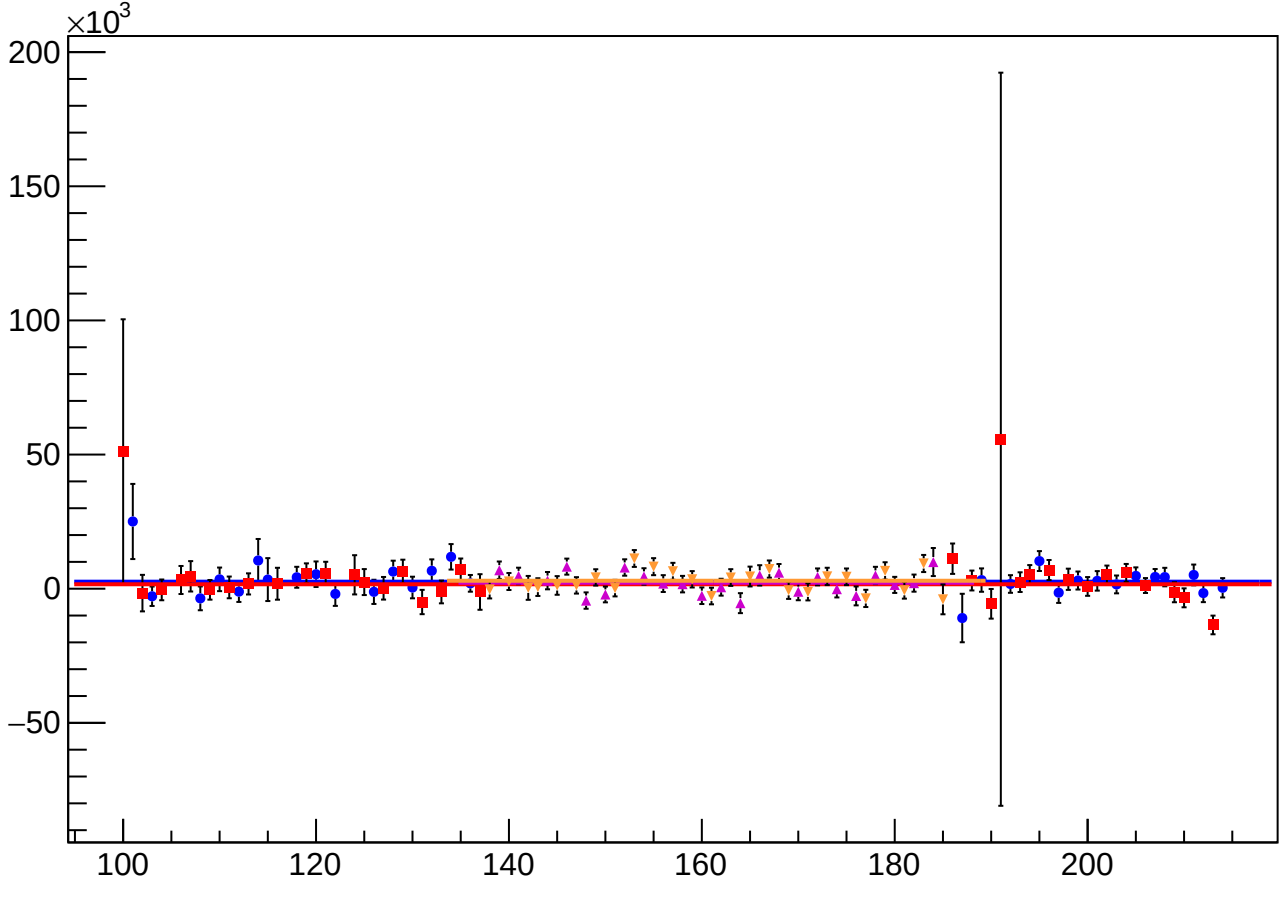
Right: 734.086+/-0.098 χ^2/NDF: 17136776.5/63

In: 766.709+/-0.096 χ^2/NDF:9121285.0/52

Out: 760.085+/-0.094 χ^2/NDF:10422755.8/58

All: 763.324+/-0.067 χ^2/NDF: 19546456.1/1

asym_atr1_mean vs Slug, Sign Corrected



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

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

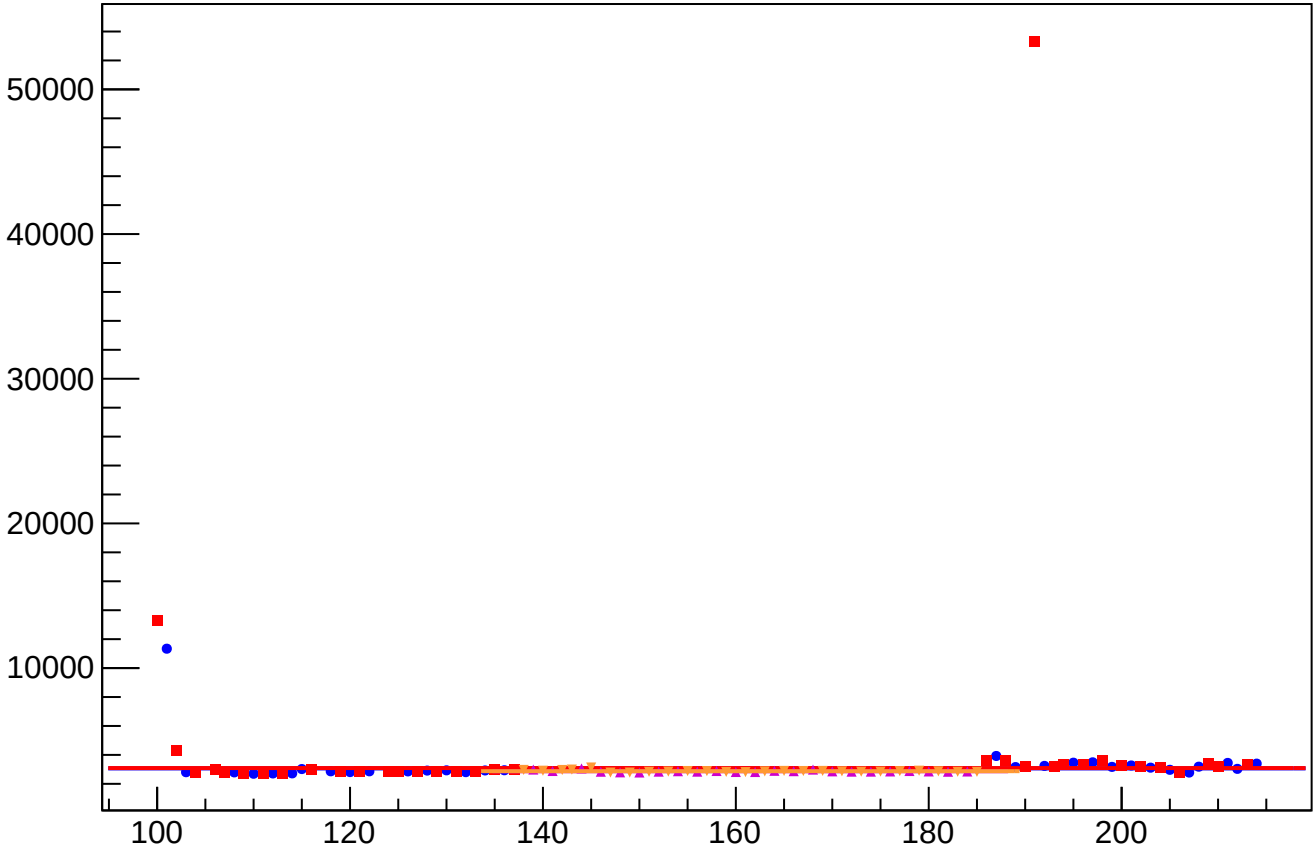
Right: 2137.378+/-511.869 χ^2/NDF: 72.3/63

In: 2414.103+/-492.401 χ^2/NDF:62.2/52

Out: 2379.314+/-484.454 χ^2/NDF:80.7/58

All: 2396.426+/-345.336 χ^2/NDF: 142.9/111

asym_atr1_rms vs Slug, Sign Corrected



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

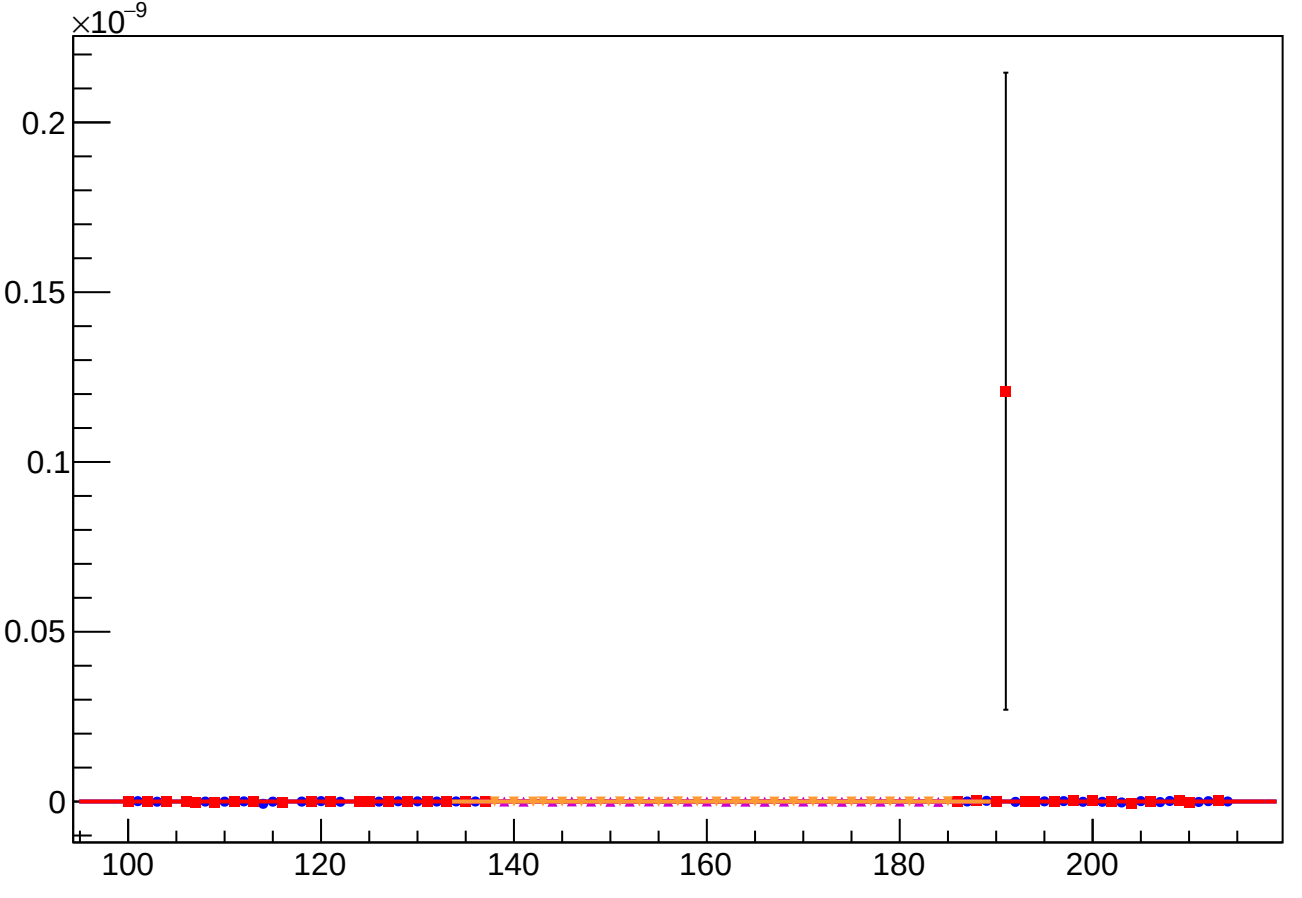
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3077.840+/-0.362 χ^2/NDF: 1689507.5/63

In: 2960.013+/-0.348 χ^2/NDF:1022184.8/52

Out: 2971.835+/-0.343 χ^2/NDF:881445.4/58

All: 2966.020+/-0.244 χ^2/NDF: 1904215.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 24.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.1/33

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

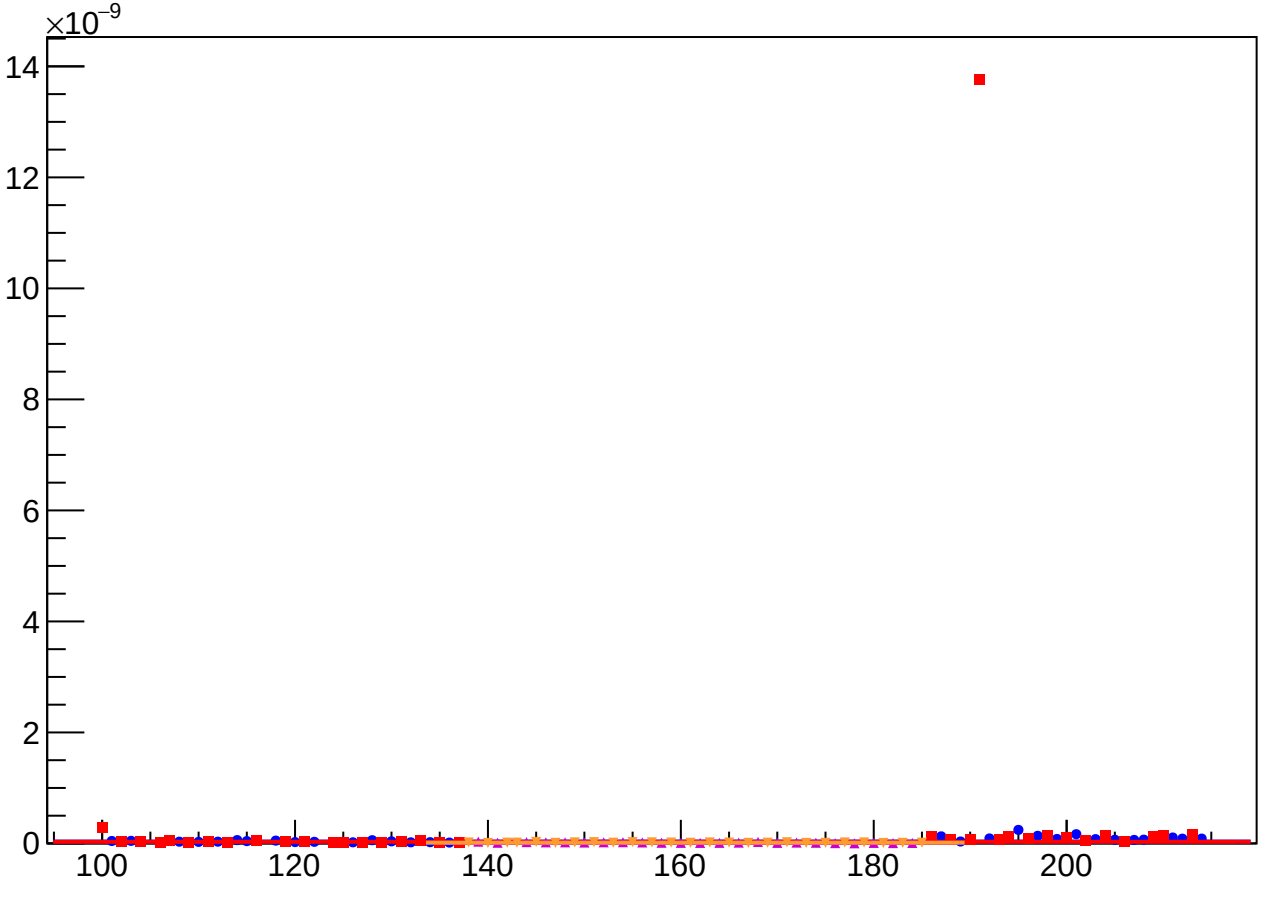
Right: 0.000+/-0.000 χ^2/NDF: 67.7/63

In: -0.000+/-0.000 χ^2/NDF:54.8/52

Out: 0.000+/-0.000 χ^2/NDF:58.2/58

All: -0.000+/-0.000 χ^2/NDF: 113.8/111

asym_atr1_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

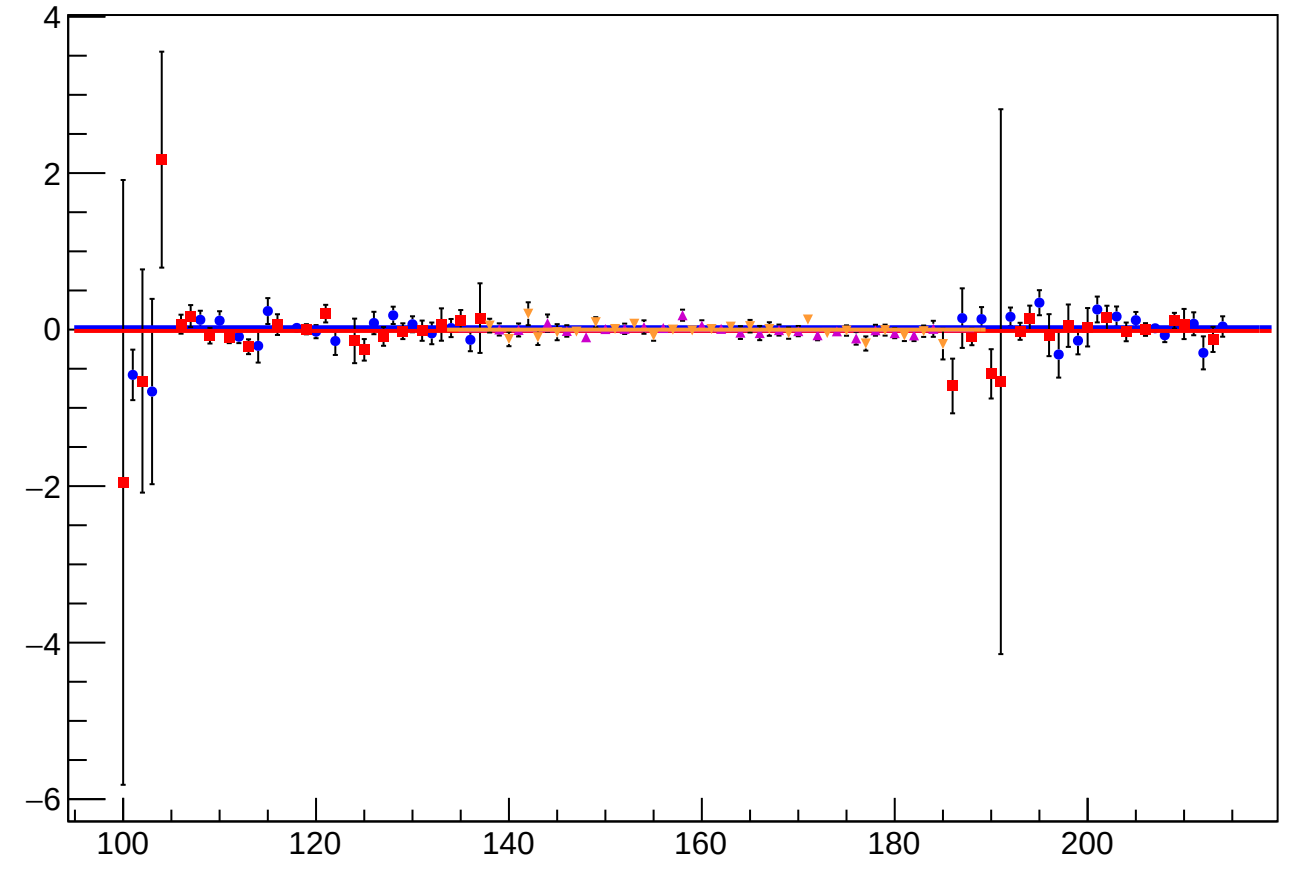
Left: 0.000+/-0.000 χ^2/NDF: 4622592.8/47

Right: 0.000+/-0.000 χ^2/NDF: 9997106.9/63

In: 0.000+/-0.000 χ^2/NDF:11874311.1/52

Out: 0.000+/-0.000 χ^2/NDF:8417366.4/58

All: 0.000+/-0.000 χ^2/NDF: 20529894.0/111



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

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

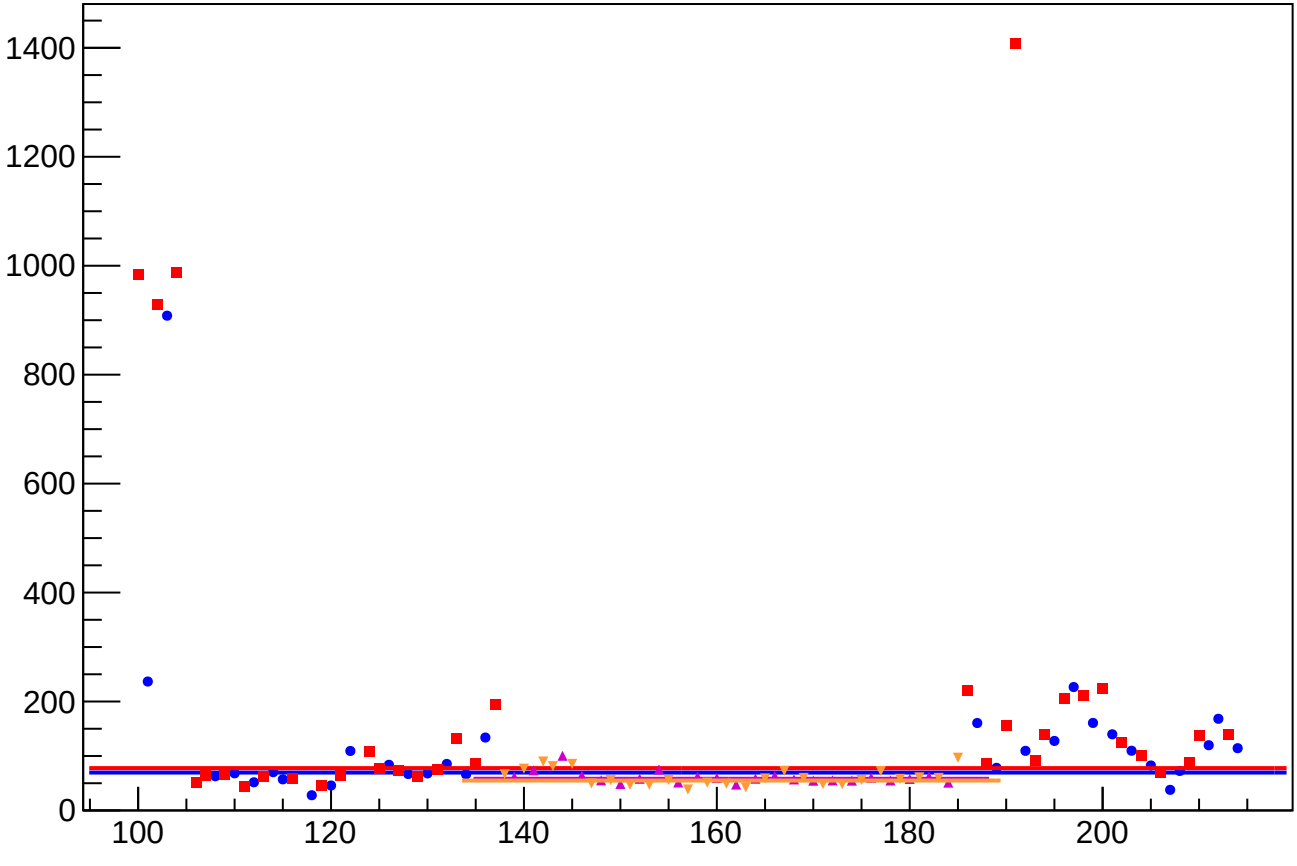
Right: 0.008+/-0.015 χ^2/NDF: 66.6/63

In: 0.005+/-0.012 χ^2/NDF:48.8/52

Out: -0.005+/-0.012 χ^2/NDF:56.2/58

All: -0.000+/-0.009 χ^2/NDF: 105.3/111

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

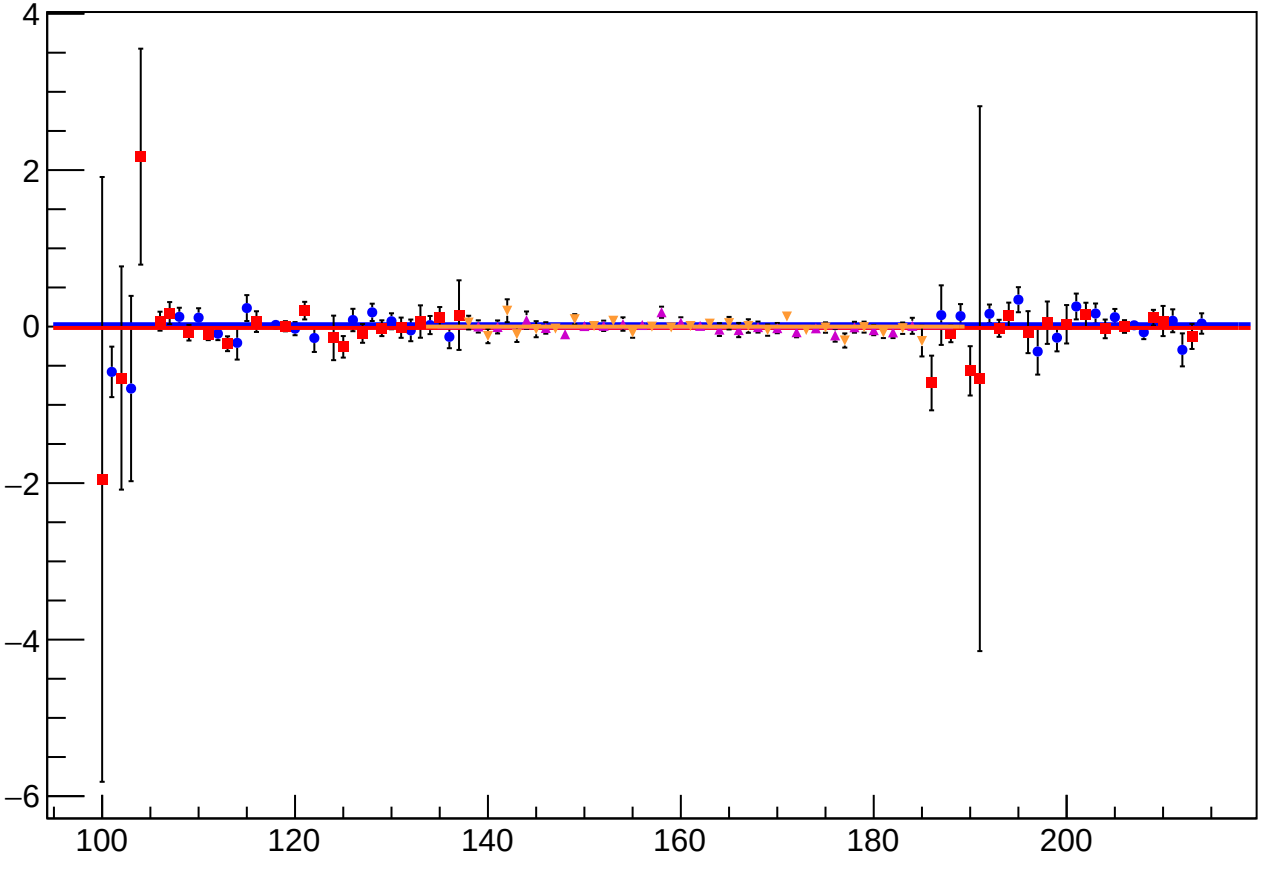
Right: 73.386+/-0.011 χ^2/NDF: 14352165.6/63

In: 61.934+/-0.009 χ^2/NDF:8494176.7/52

Out: 61.356+/-0.008 χ^2/NDF:9542741.2/58

All: 61.641+/-0.006 χ^2/NDF: 18039230.4/111

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

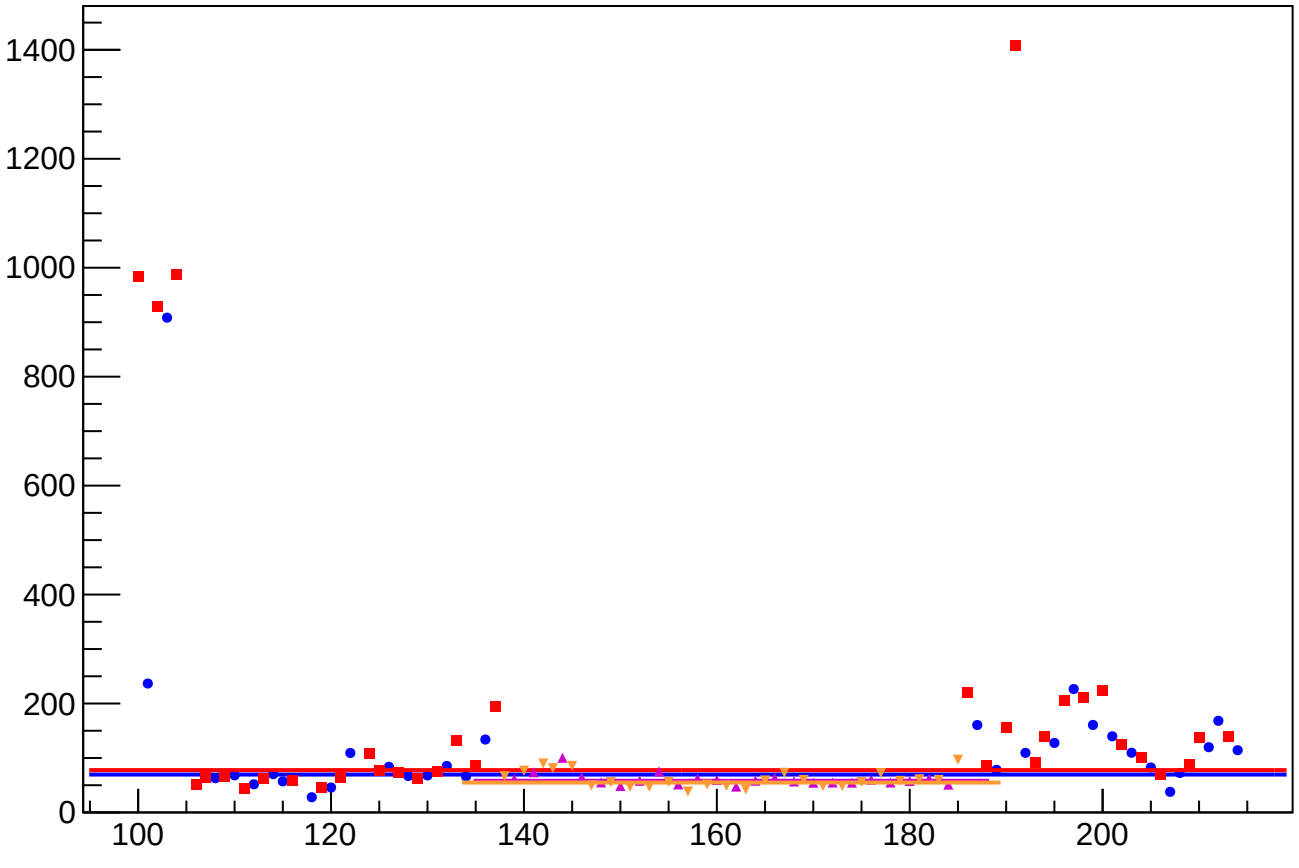
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.008+/-0.015 χ^2/NDF: 66.6/63

In: 0.005+/-0.012 χ^2/NDF:48.8/52

Out: -0.005+/-0.012 χ^2/NDF:56.2/58

All: -0.000+/-0.009 χ^2/NDF: 105.3/111



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

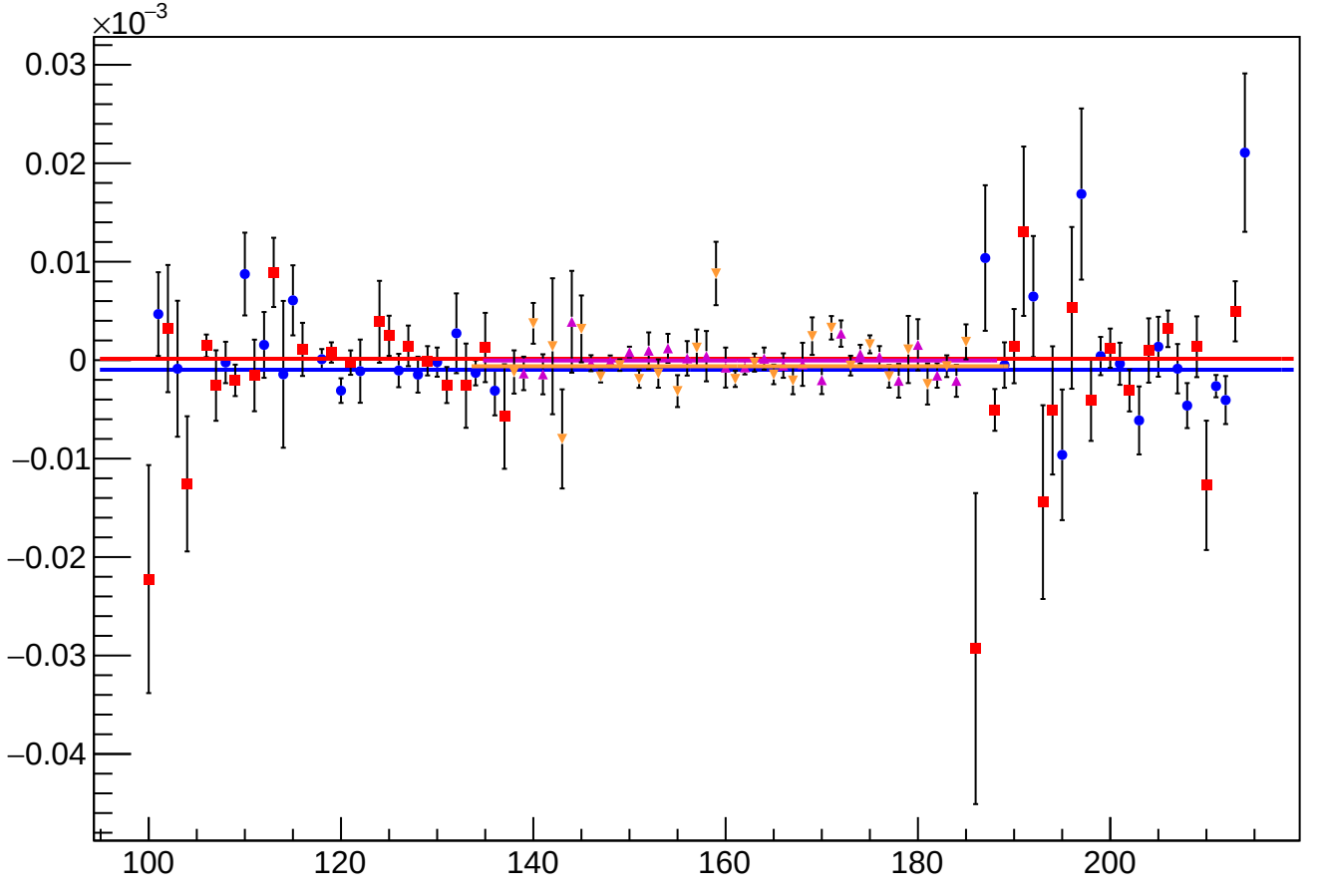
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 73.386+/-0.011 χ^2/NDF: 14352165.6/63

In: 61.934+/-0.009 χ^2/NDF:8494176.7/52

Out: 61.356+/-0.008 χ^2/NDF:9542741.2/58

All: 61.641+/-0.006 χ^2/NDF: 18039230.4/111



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

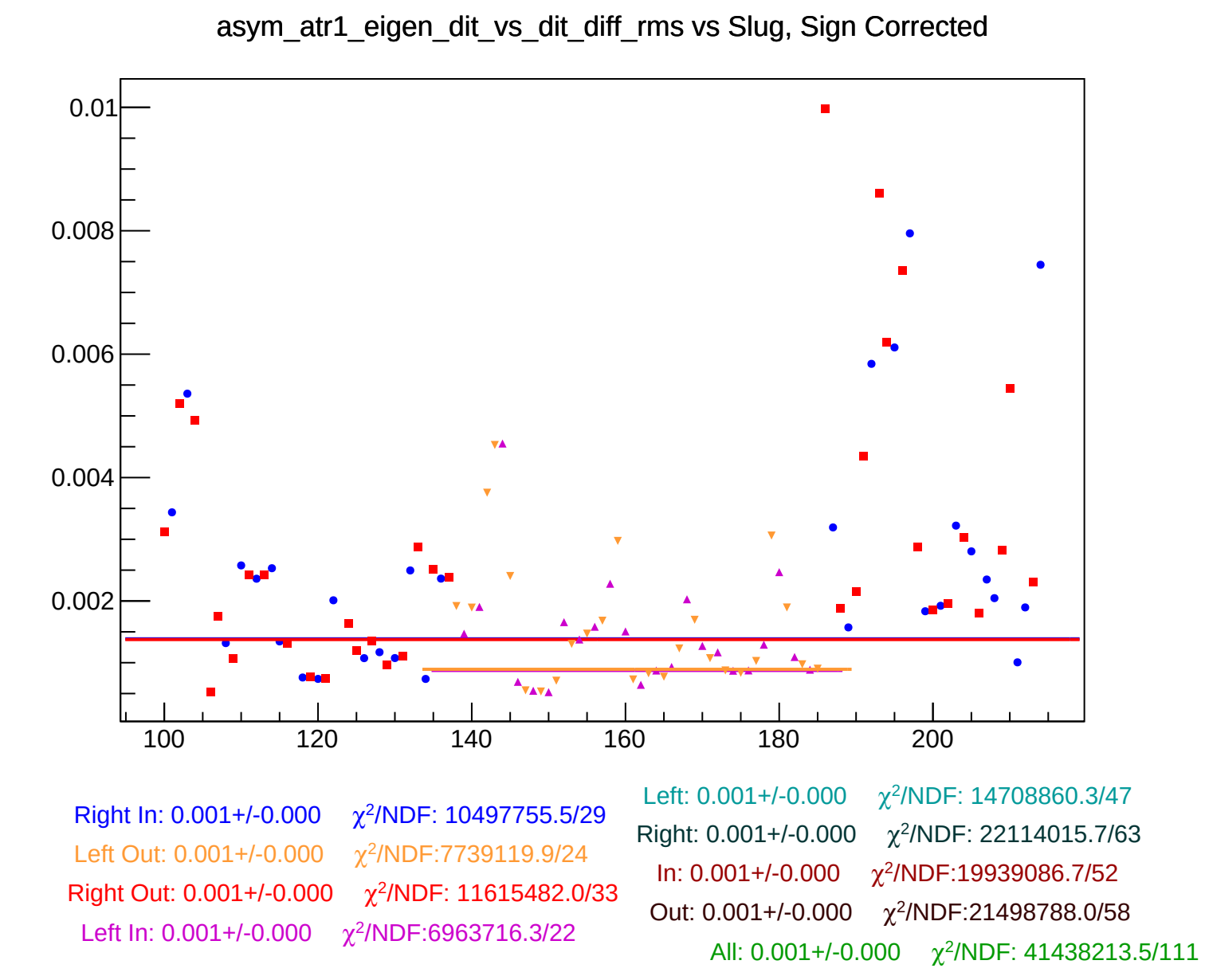
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

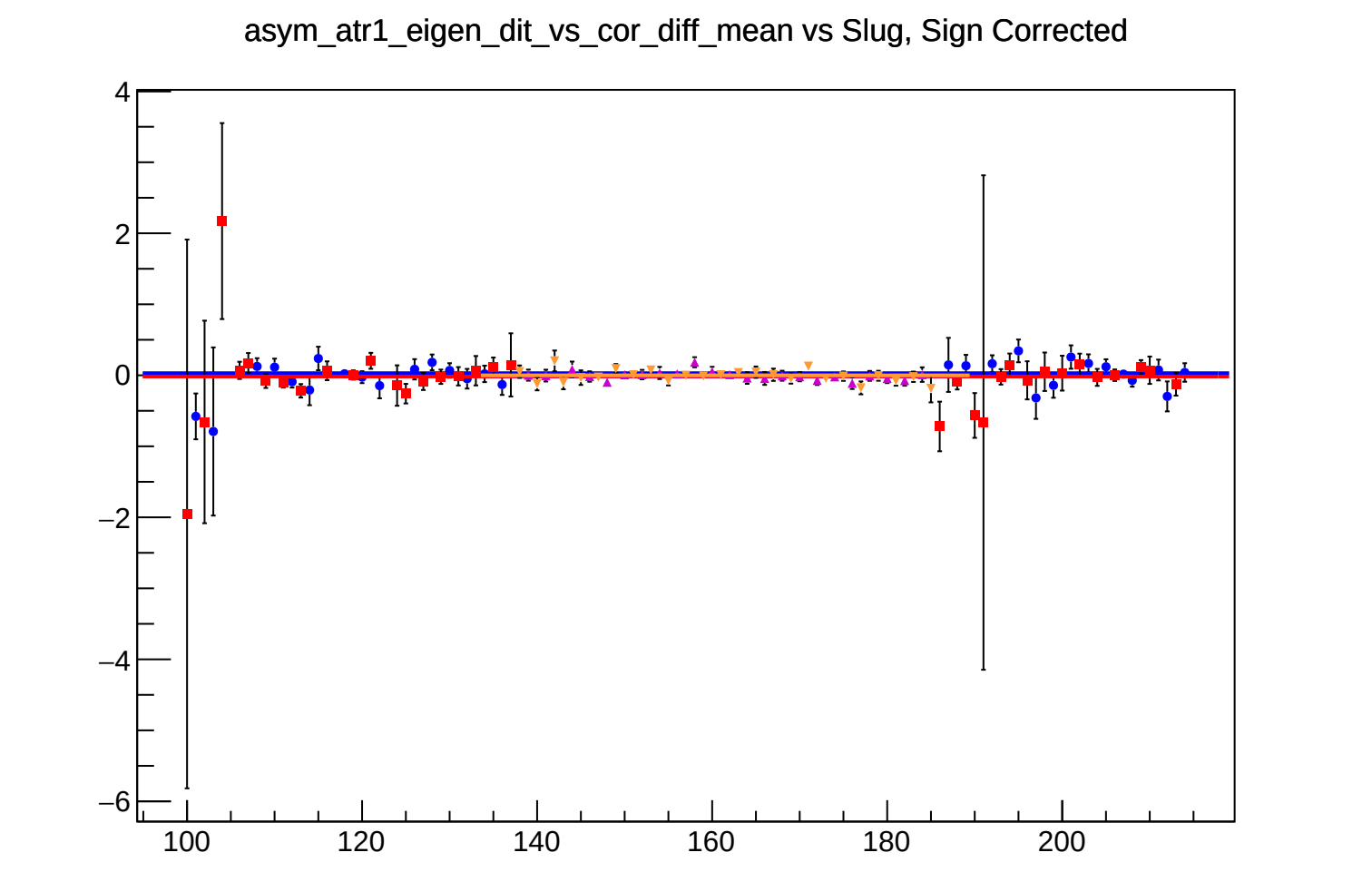
Right: -0.000+/-0.000 χ^2/NDF: 101.1/63

In: -0.000+/-0.000 χ^2/NDF:67.0/52

Out: -0.000+/-0.000 χ^2/NDF:108.0/58

All: -0.000+/-0.000 χ^2/NDF: 175.2/111


asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 10497755.5/29
Left Out: 0.001+/-0.000 χ²/NDF:7739119.9/24
Right Out: 0.001+/-0.000 χ²/NDF: 11615482.0/33
Left In: 0.001+/-0.000 χ²/NDF:6963716.3/22
Left: 0.001+/-0.000 χ²/NDF: 14708860.3/47
Right: 0.001+/-0.000 χ²/NDF: 22114015.7/63
In: 0.001+/-0.000 χ²/NDF:19939086.7/52
Out: 0.001+/-0.000 χ²/NDF:21498788.0/58
All: 0.001+/-0.000 χ²/NDF: 41438213.5/111



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

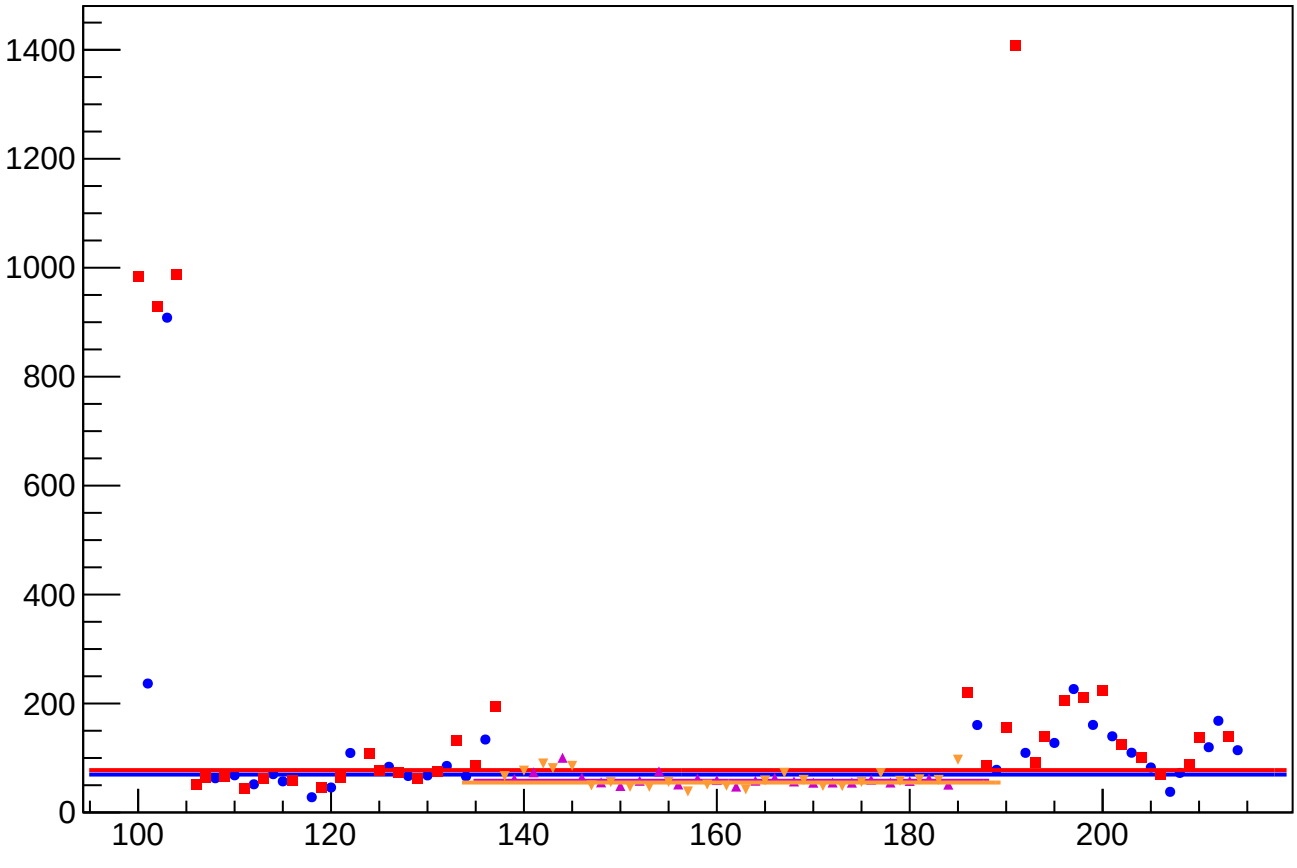
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.008+/-0.015 χ^2/NDF: 66.6/63

In: 0.005+/-0.012 χ^2/NDF:48.8/52

Out: -0.005+/-0.012 χ^2/NDF:56.2/58

All: -0.000+/-0.009 χ^2/NDF: 105.3/111



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

Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

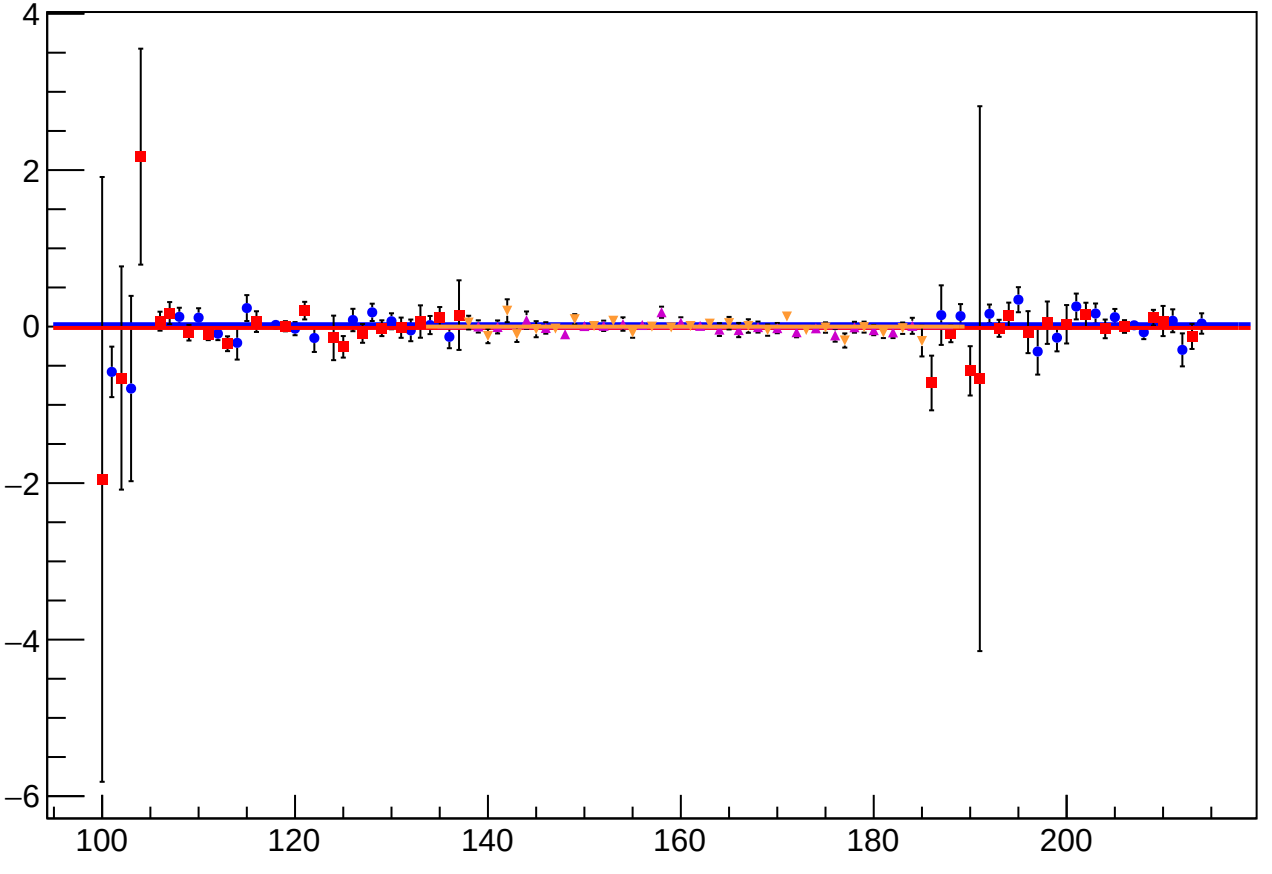
Right: 73.385+/-0.011 χ^2/NDF: 14352521.4/63

In: 61.934+/-0.009 χ^2/NDF:8494411.2/52

Out: 61.355+/-0.008 χ^2/NDF:9542887.2/58

All: 61.640+/-0.006 χ^2/NDF: 18039611.4/111

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

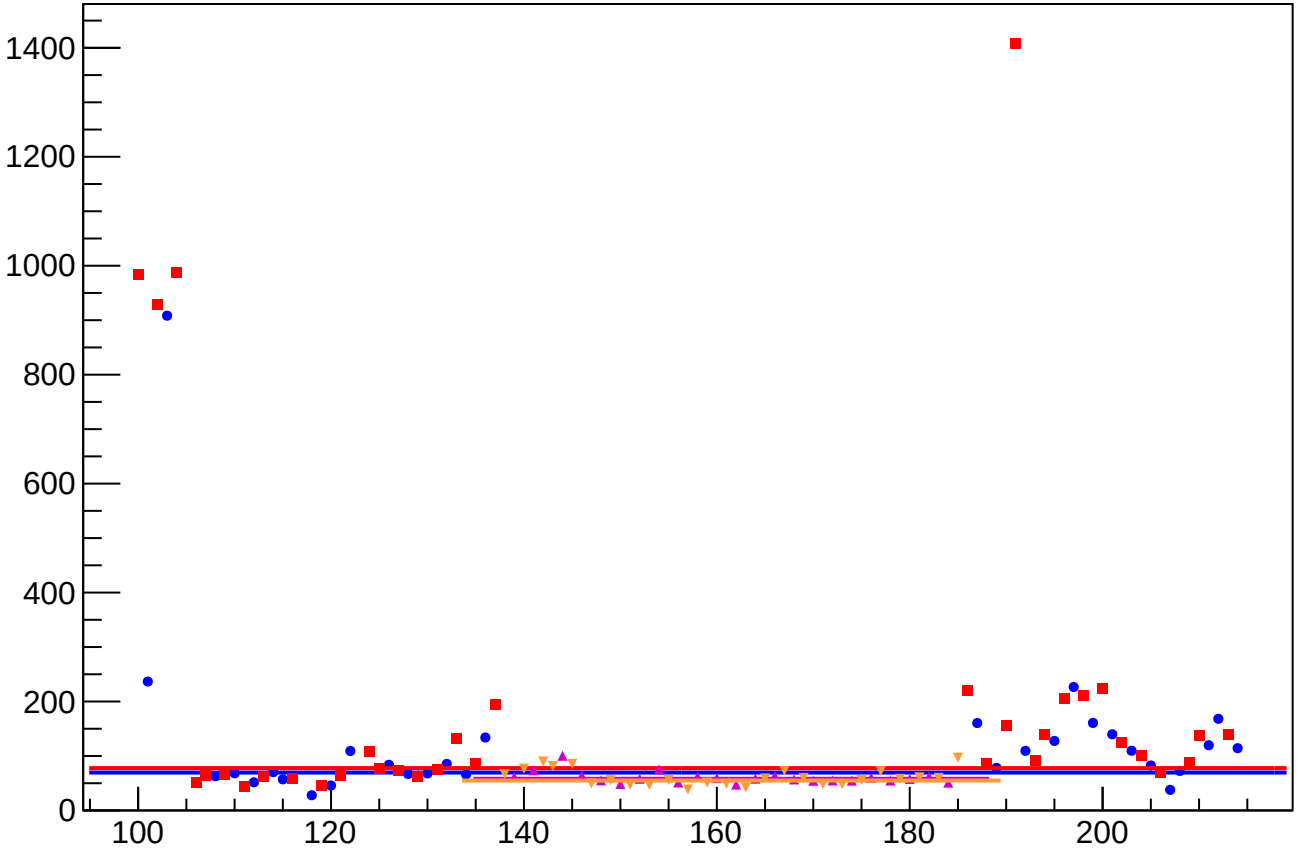
Right: 0.008+/-0.015 χ^2/NDF: 66.6/63

In: 0.005+/-0.012 χ^2/NDF:48.8/52

Out: -0.005+/-0.012 χ^2/NDF:56.2/58

All: -0.000+/-0.009 χ^2/NDF: 105.3/111

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

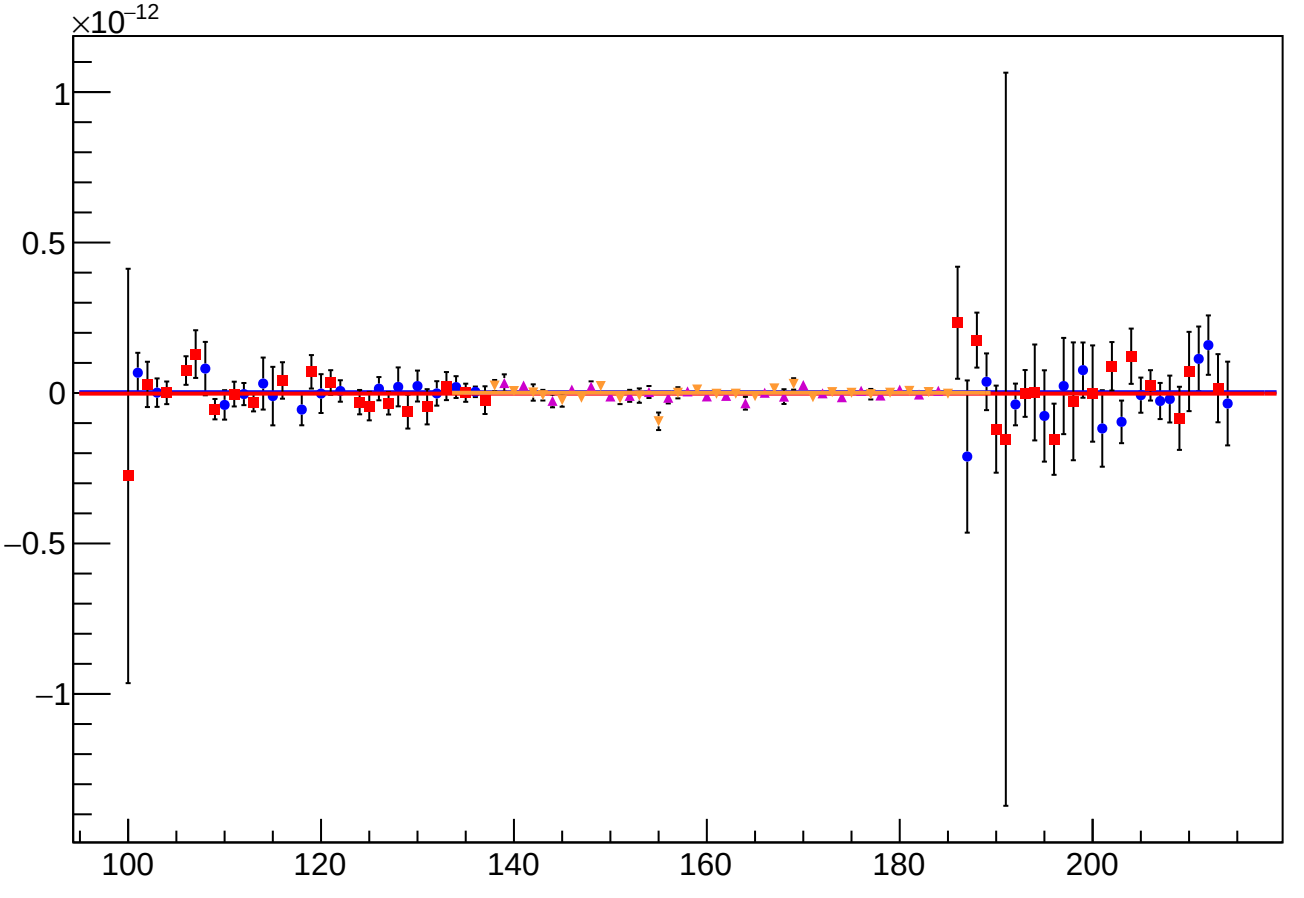
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 73.385+/-0.011 χ^2/NDF: 14352521.4/63

In: 61.934+/-0.009 χ^2/NDF:8494411.2/52

Out: 61.355+/-0.008 χ^2/NDF:9542887.2/58

All: 61.640+/-0.006 χ^2/NDF: 18039611.4/111



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

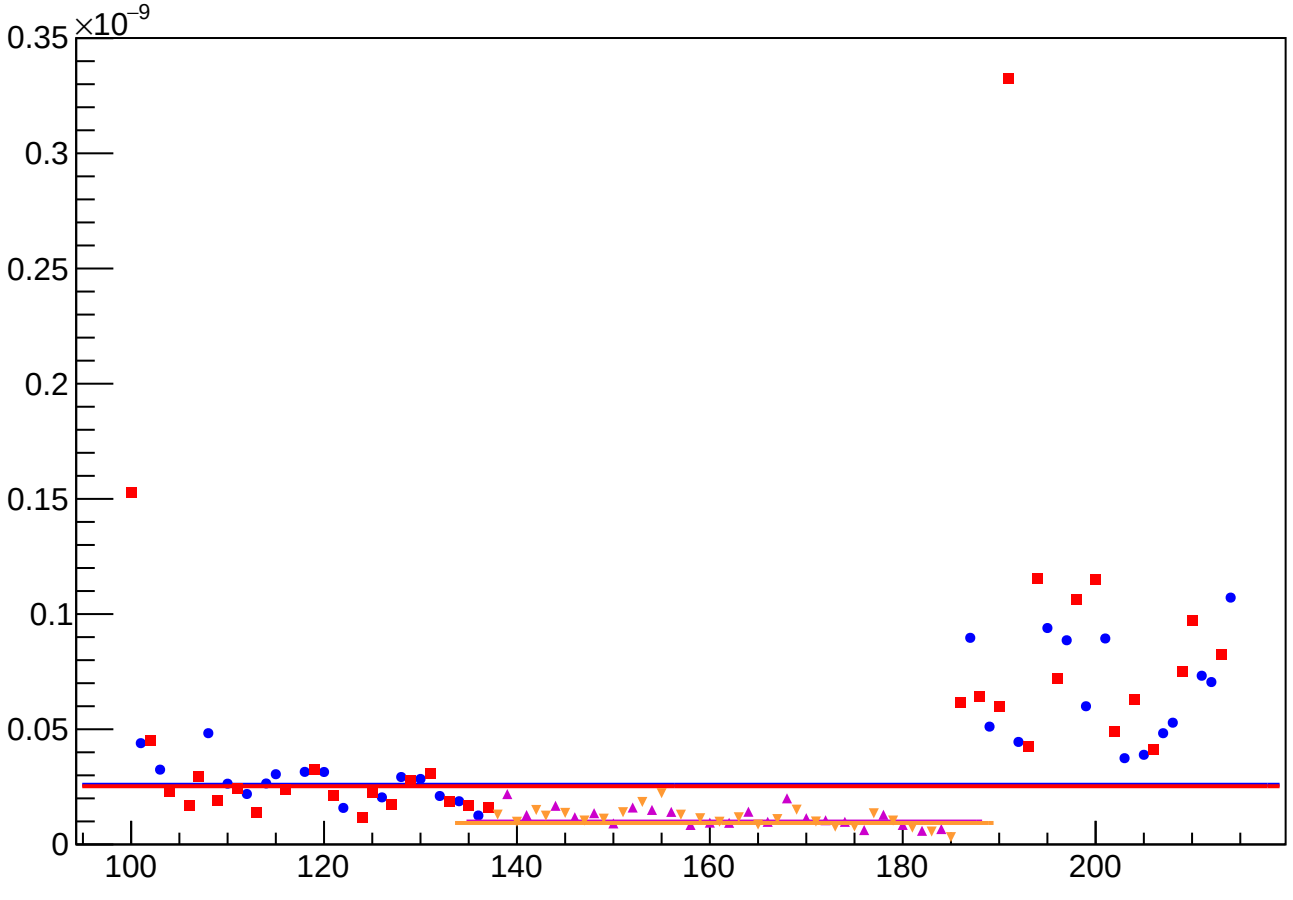
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: 0.000+/-0.000 χ^2/NDF: 42.0/63

In: 0.000+/-0.000 χ^2/NDF:33.7/52

Out: 0.000+/-0.000 χ^2/NDF:53.9/58

All: 0.000+/-0.000 χ^2/NDF: 87.6/111



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

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

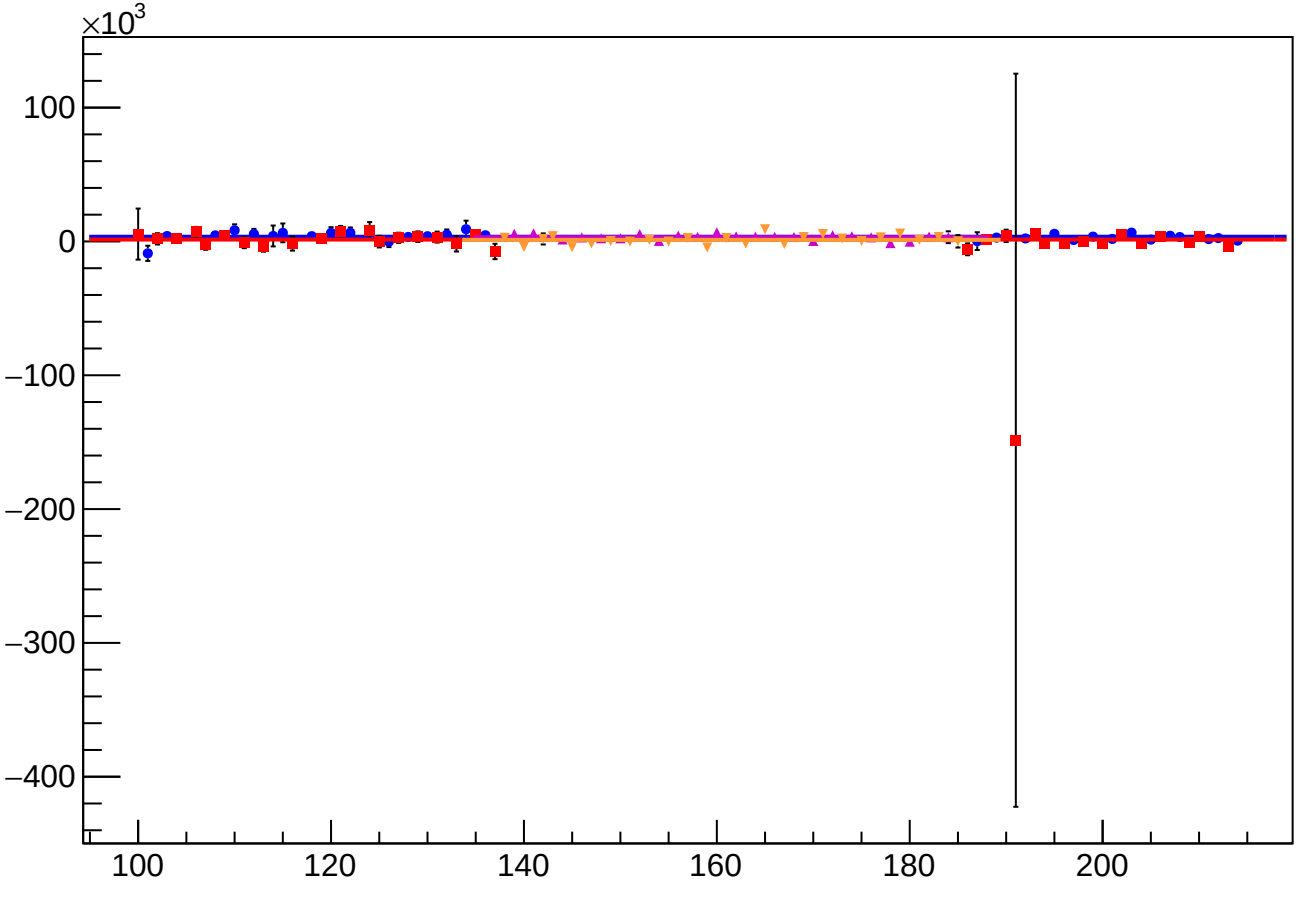
Right: 0.000+/-0.000 χ^2/NDF: 12220121.4/63

In: 0.000+/-0.000 χ^2/NDF:13725362.2/52

Out: 0.000+/-0.000 χ^2/NDF:14627246.8/58

All: 0.000+/-0.000 χ^2/NDF: 28436514.8/111

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

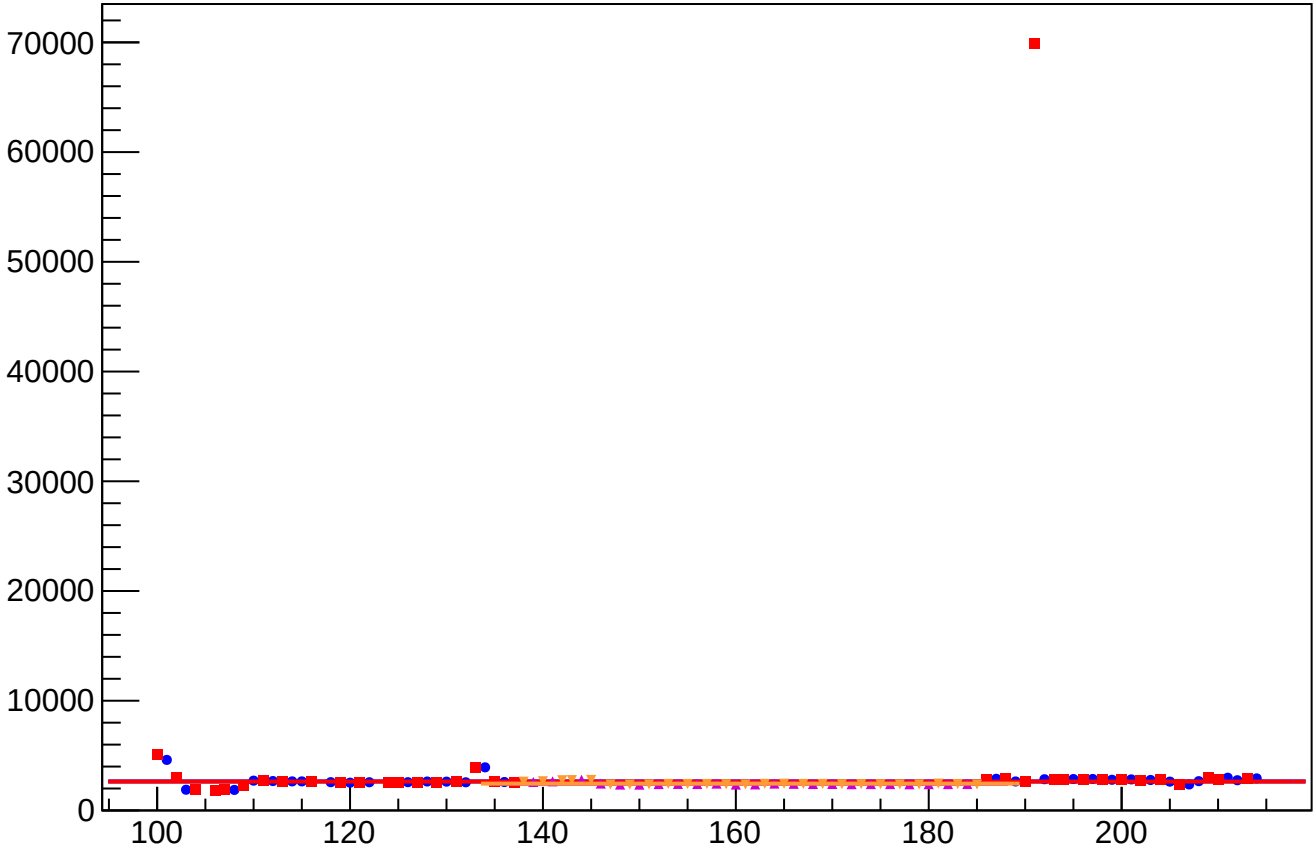
Right: 2447.787+/-438.896 χ^2/NDF: 51.7/63

In: 3313.519+/-420.772 χ^2/NDF:27.2/52

Out: 1287.757+/-413.045 χ^2/NDF:62.8/58

All: 2281.867+/-294.761 χ^2/NDF: 101.8/111

reg_asym_atr2_rms vs Slug, Sign Corrected



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

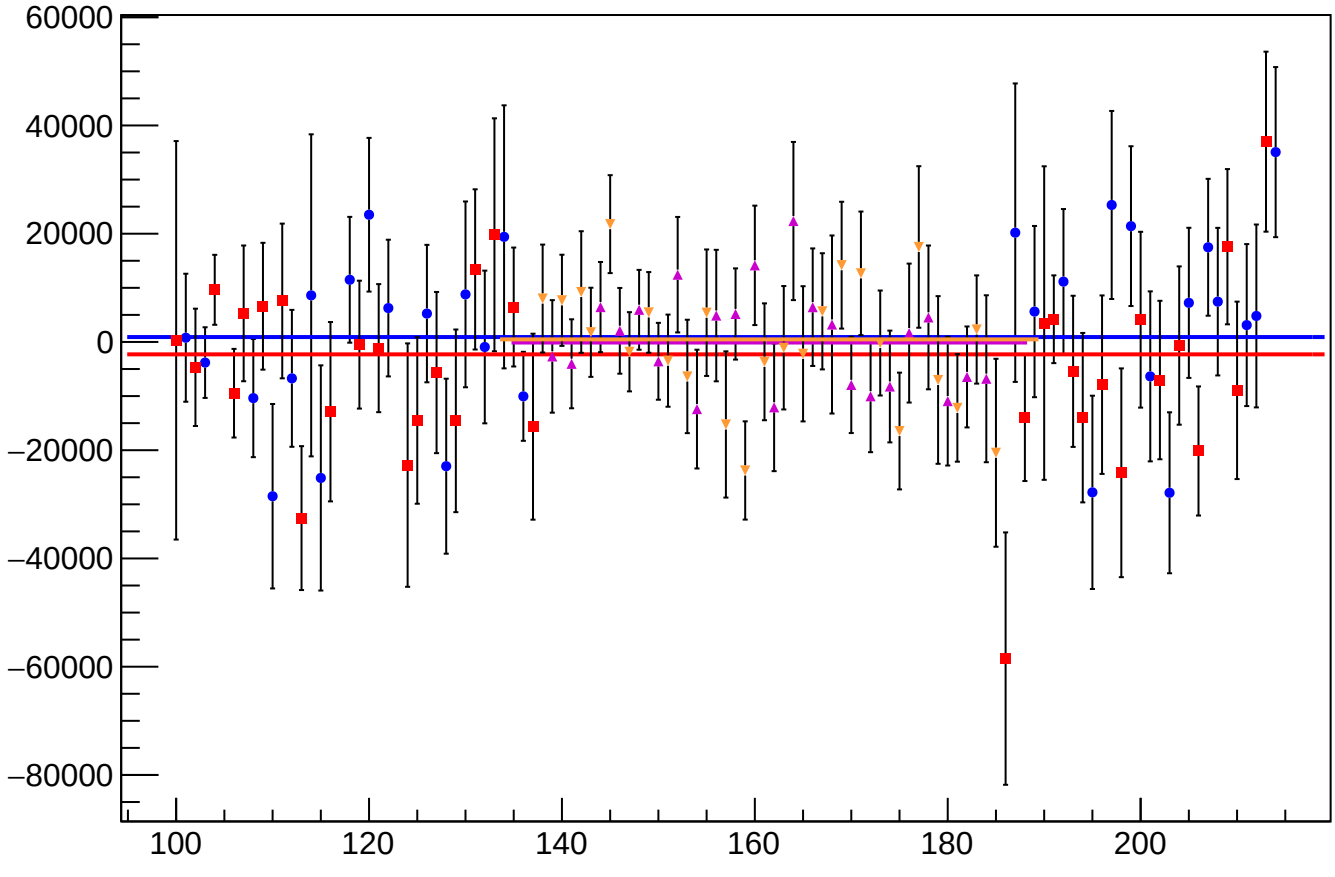
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2640.044+/-0.310 χ^2/NDF: 1568222.2/63

In: 2531.521+/-0.298 χ^2/NDF:948118.2/52

Out: 2530.062+/-0.292 χ^2/NDF:995410.9/58

All: 2530.778+/-0.208 χ^2/NDF: 1943541.3/11



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

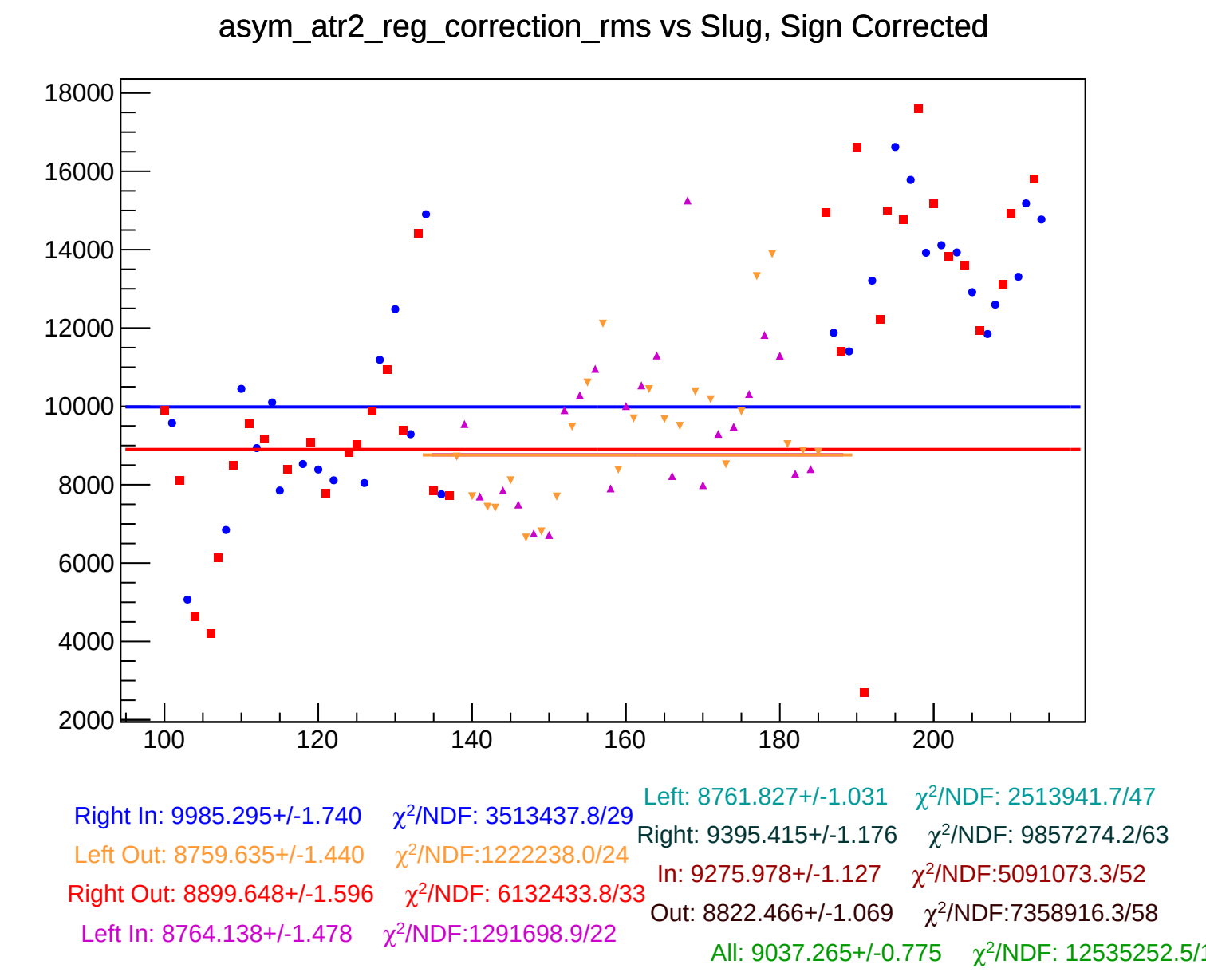
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -830.938+/-1663.340 χ^2/NDF: 70.9/63

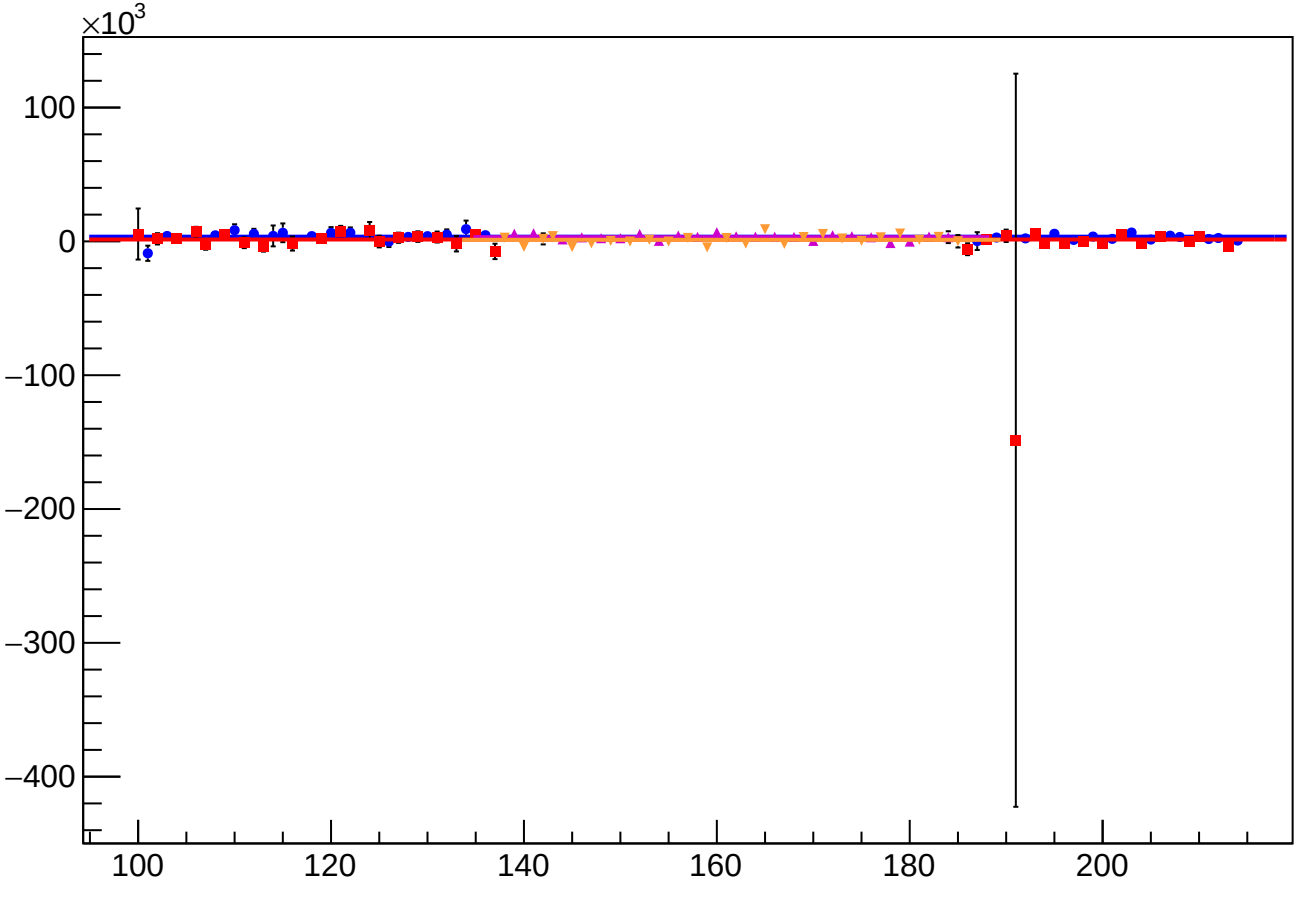
In: 318.605+/-1593.557 χ^2/NDF:48.1/52

Out: -764.768+/-1511.630 χ^2/NDF:64.6/58

All: -251.645+/-1096.704 χ^2/NDF: 113.0/111


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9985.295+/-1.740 χ²/NDF: 3513437.8/29
Left Out: 8759.635+/-1.440 χ²/NDF:1222238.0/24
Right Out: 8899.648+/-1.596 χ²/NDF: 6132433.8/33
Left In: 8764.138+/-1.478 χ²/NDF:1291698.9/22
Left: 8761.827+/-1.031 χ²/NDF: 2513941.7/47
Right: 9395.415+/-1.176 χ²/NDF: 9857274.2/63
In: 9275.978+/-1.127 χ²/NDF:5091073.3/52
Out: 8822.466+/-1.069 χ²/NDF:7358916.3/58
All: 9037.265+/-0.775 χ²/NDF: 12535252.5/

cor_asym_atr2_mean vs Slug, Sign Corrected



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

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

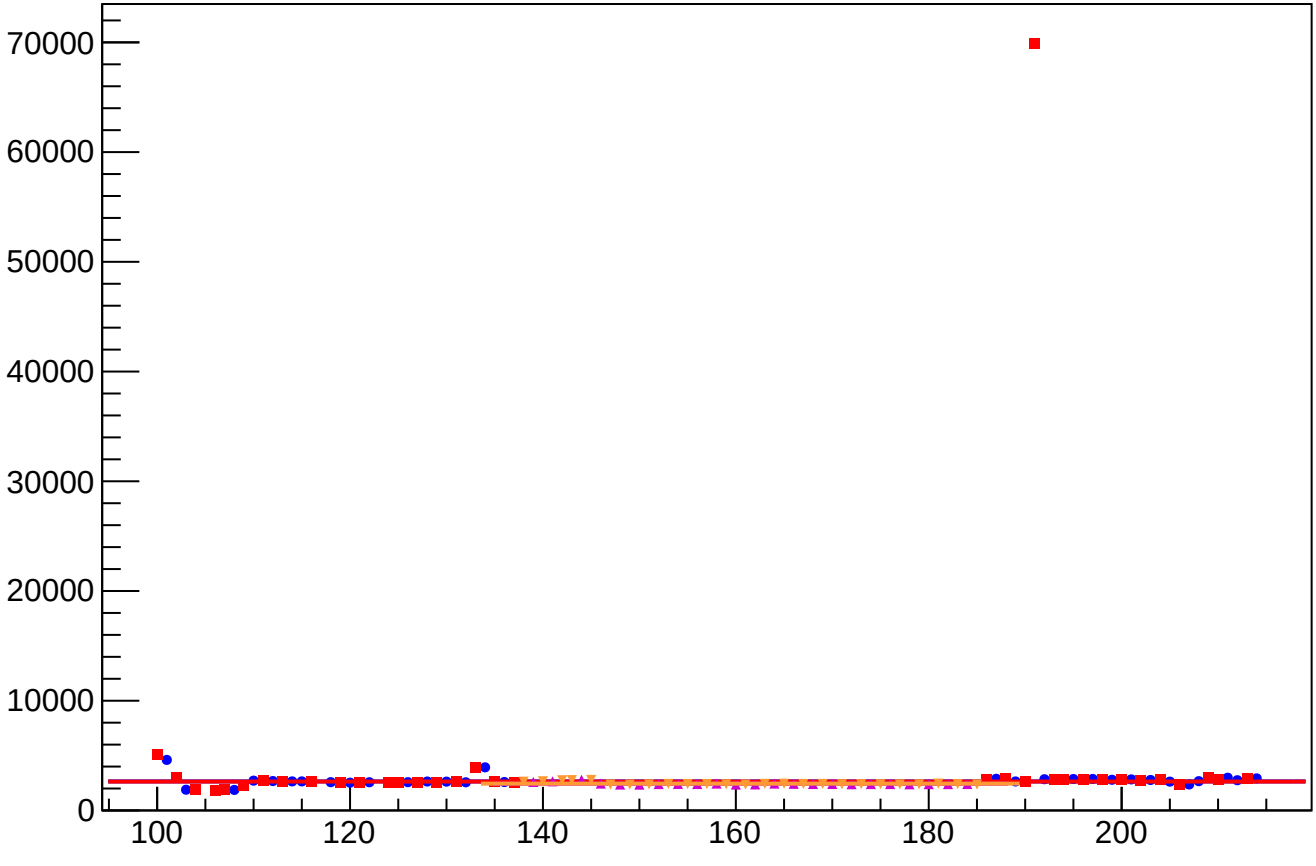
Right: 2447.920+/-438.897 χ^2/NDF: 51.7/63

In: 3313.365+/-420.772 χ^2/NDF:27.2/52

Out: 1287.822+/-413.046 χ^2/NDF:62.8/58

All: 2281.827+/-294.761 χ^2/NDF: 101.8/111

cor_asym_atr2_rms vs Slug, Sign Corrected



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

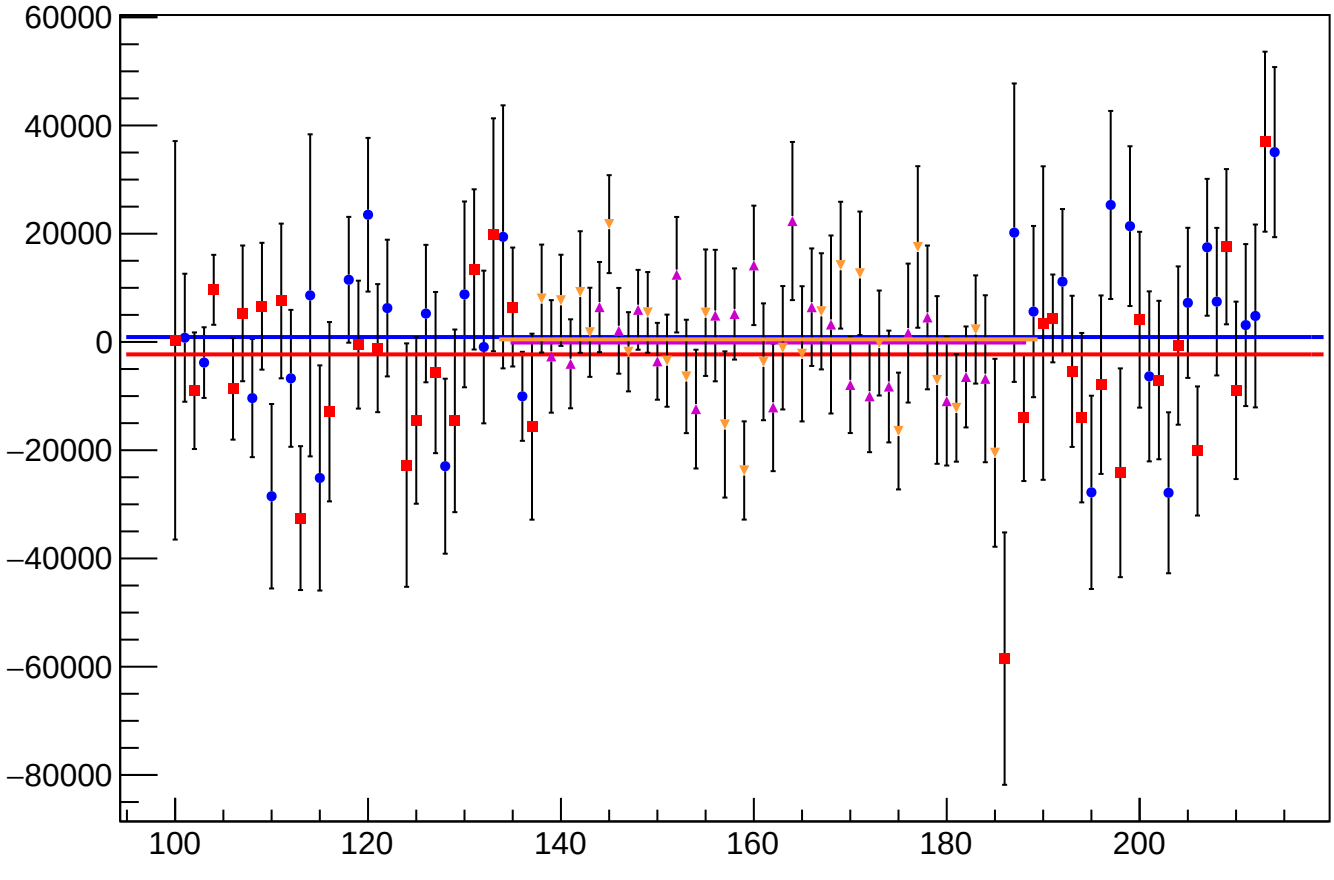
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2640.050+/-0.310 χ^2/NDF: 1568141.8/63

In: 2531.521+/-0.298 χ^2/NDF:948115.8/52

Out: 2530.067+/-0.292 χ^2/NDF:995347.0/58

All: 2530.781+/-0.208 χ^2/NDF: 1943475.0/11



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

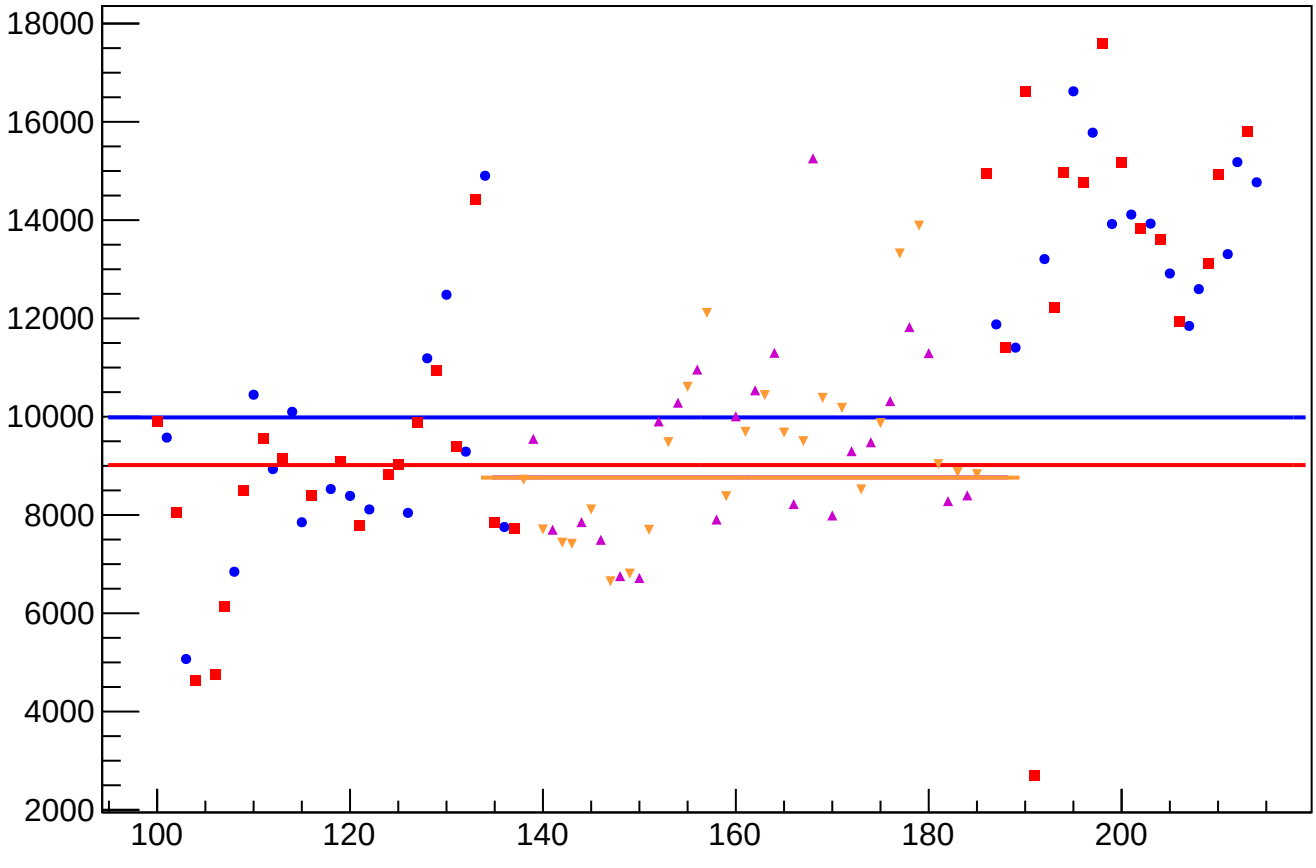
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -819.150+/-1671.359 χ^2/NDF: 70.9/63

In: 318.718+/-1593.568 χ^2/NDF:48.1/52

Out: -754.639+/-1517.630 χ^2/NDF:64.7/58

All: -244.144+/-1098.992 χ^2/NDF: 113.1/111



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

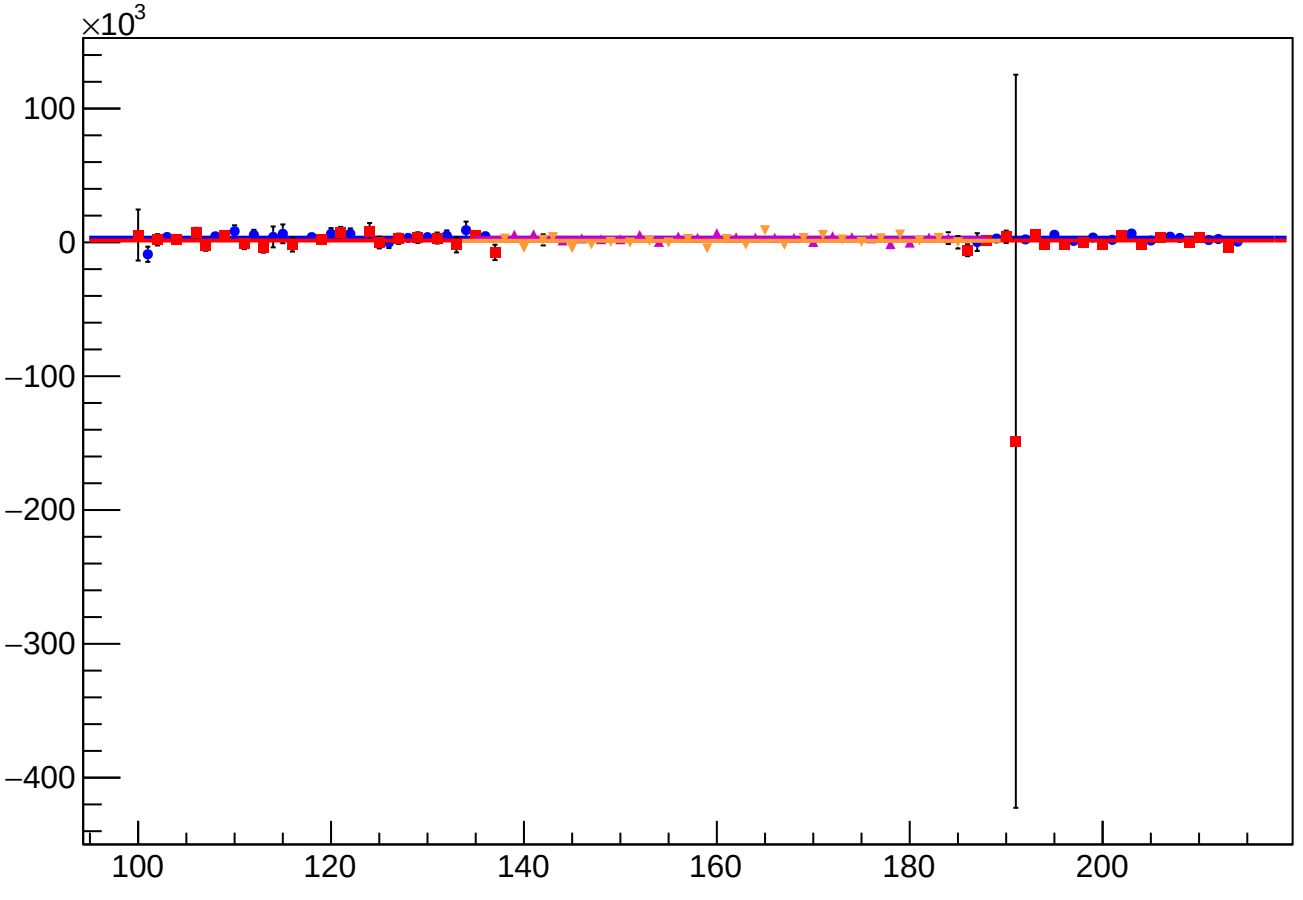
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9462.902+/-1.182 χ^2/NDF: 9538473.0/63

In: 9276.081+/-1.127 χ^2/NDF:5090577.0/52

Out: 8873.447+/-1.073 χ^2/NDF:7094653.2/58

All: 9064.942+/-0.777 χ^2/NDF: 12252182.6/1



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

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

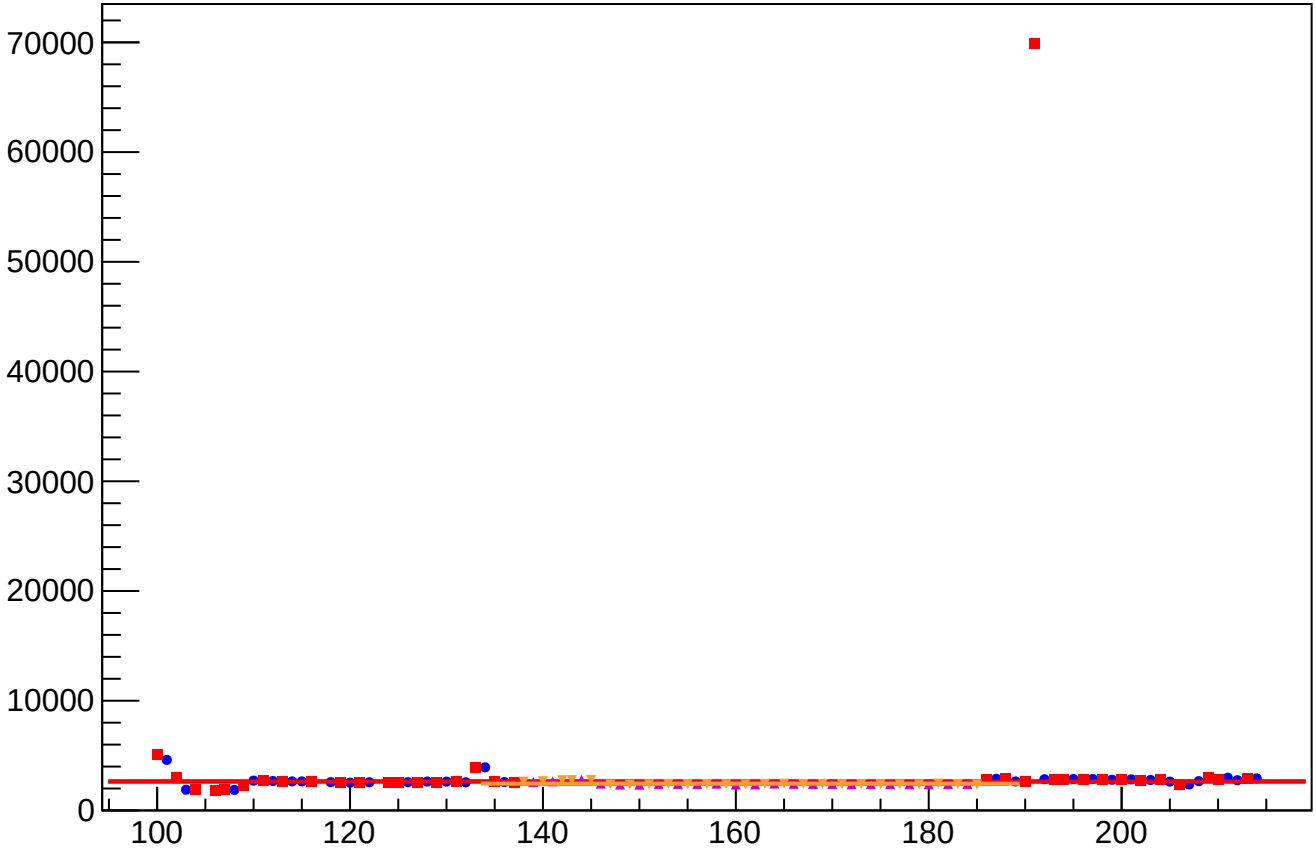
Right: 2447.920+/-438.897 χ^2/NDF: 51.7/63

In: 3313.365+/-420.772 χ^2/NDF:27.2/52

Out: 1287.822+/-413.046 χ^2/NDF:62.8/58

All: 2281.827+/-294.761 χ^2/NDF: 101.8/111

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



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

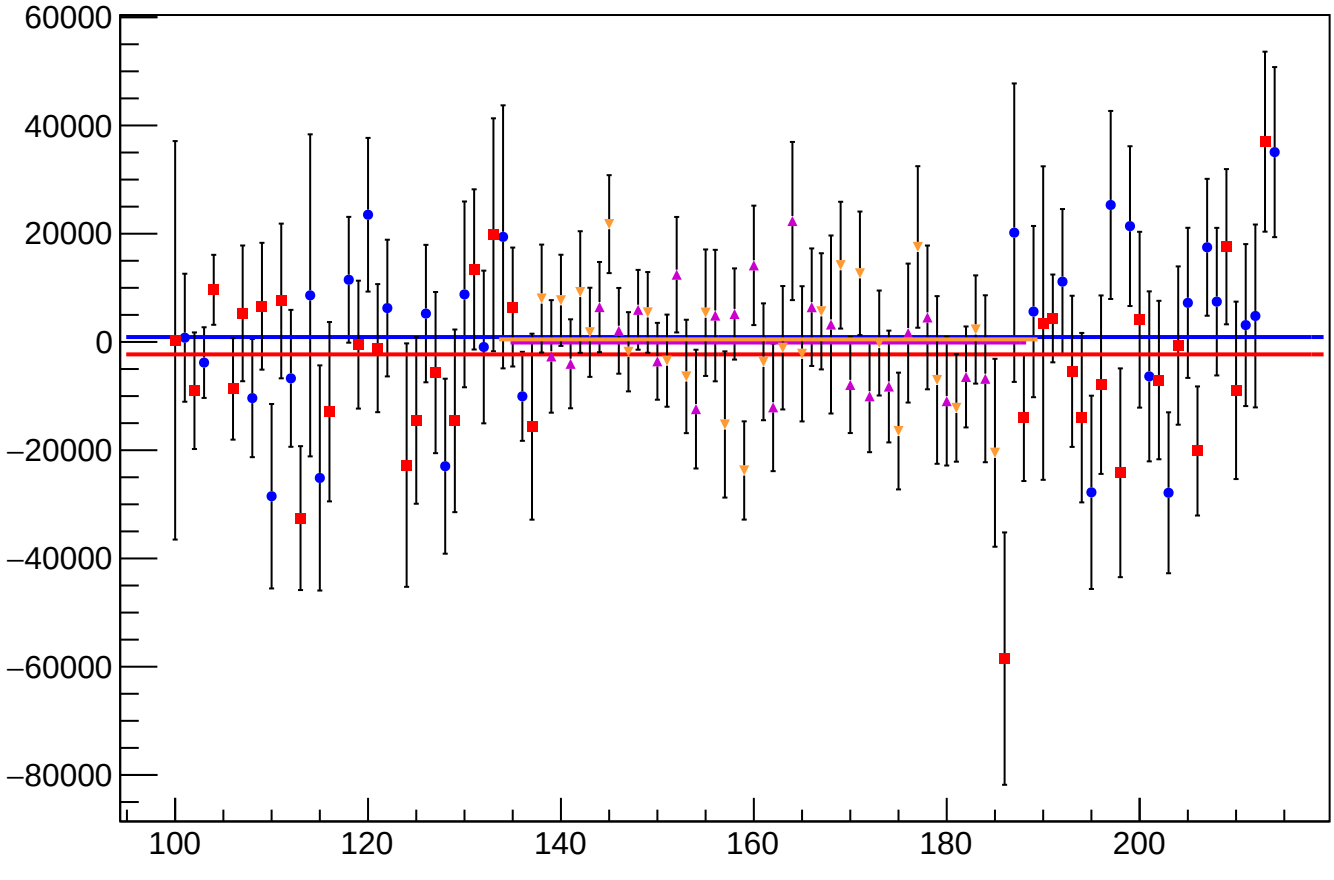
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2640.050+/-0.310 χ^2/NDF: 1568141.8/63

In: 2531.521+/-0.298 χ^2/NDF:948115.8/52

Out: 2530.067+/-0.292 χ^2/NDF:995347.0/58

All: 2530.781+/-0.208 χ^2/NDF: 1943475.0/11



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

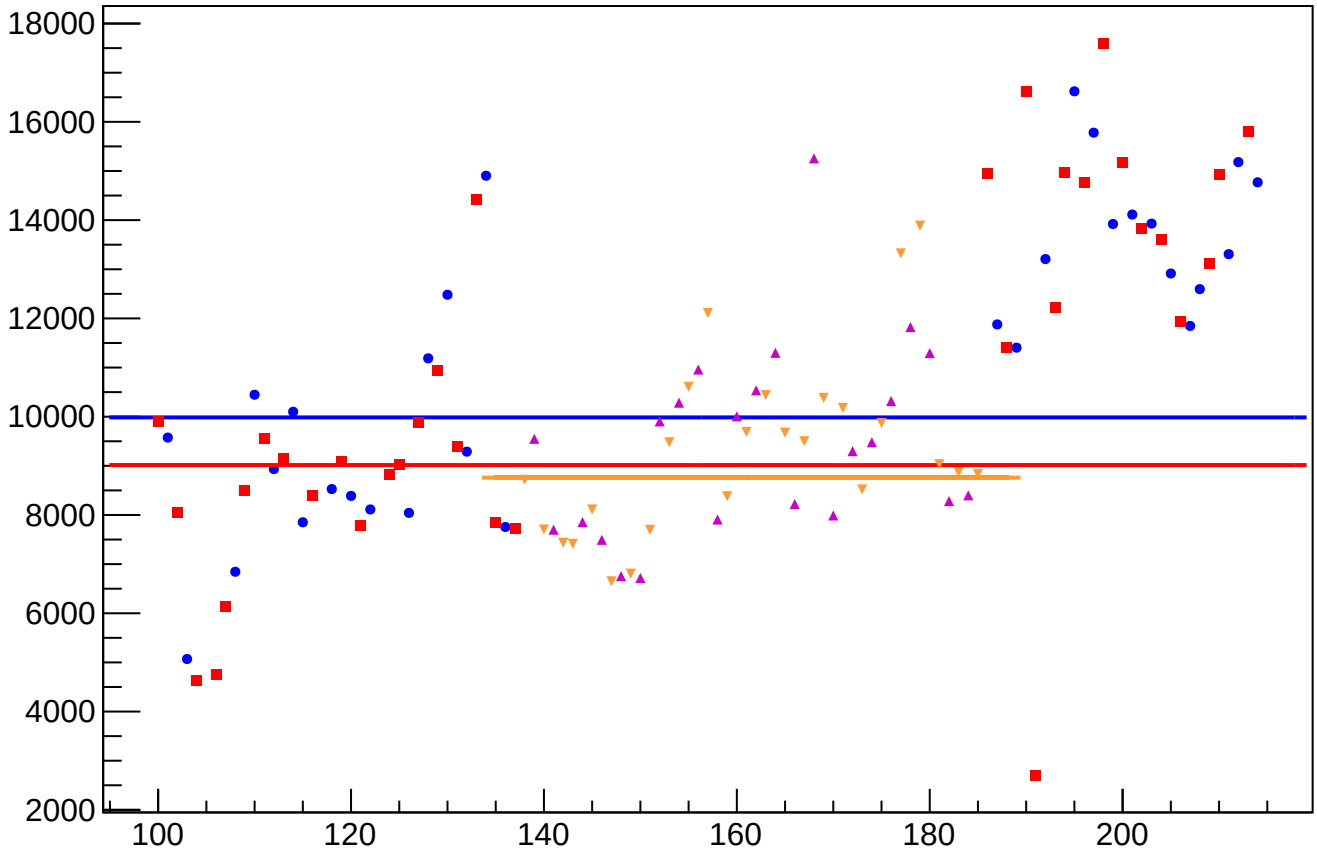
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -819.150+/-1671.359 χ^2/NDF: 70.9/63

In: 318.718+/-1593.568 χ^2/NDF:48.1/52

Out: -754.639+/-1517.630 χ^2/NDF:64.7/58

All: -244.144+/-1098.992 χ^2/NDF: 113.1/111



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

Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

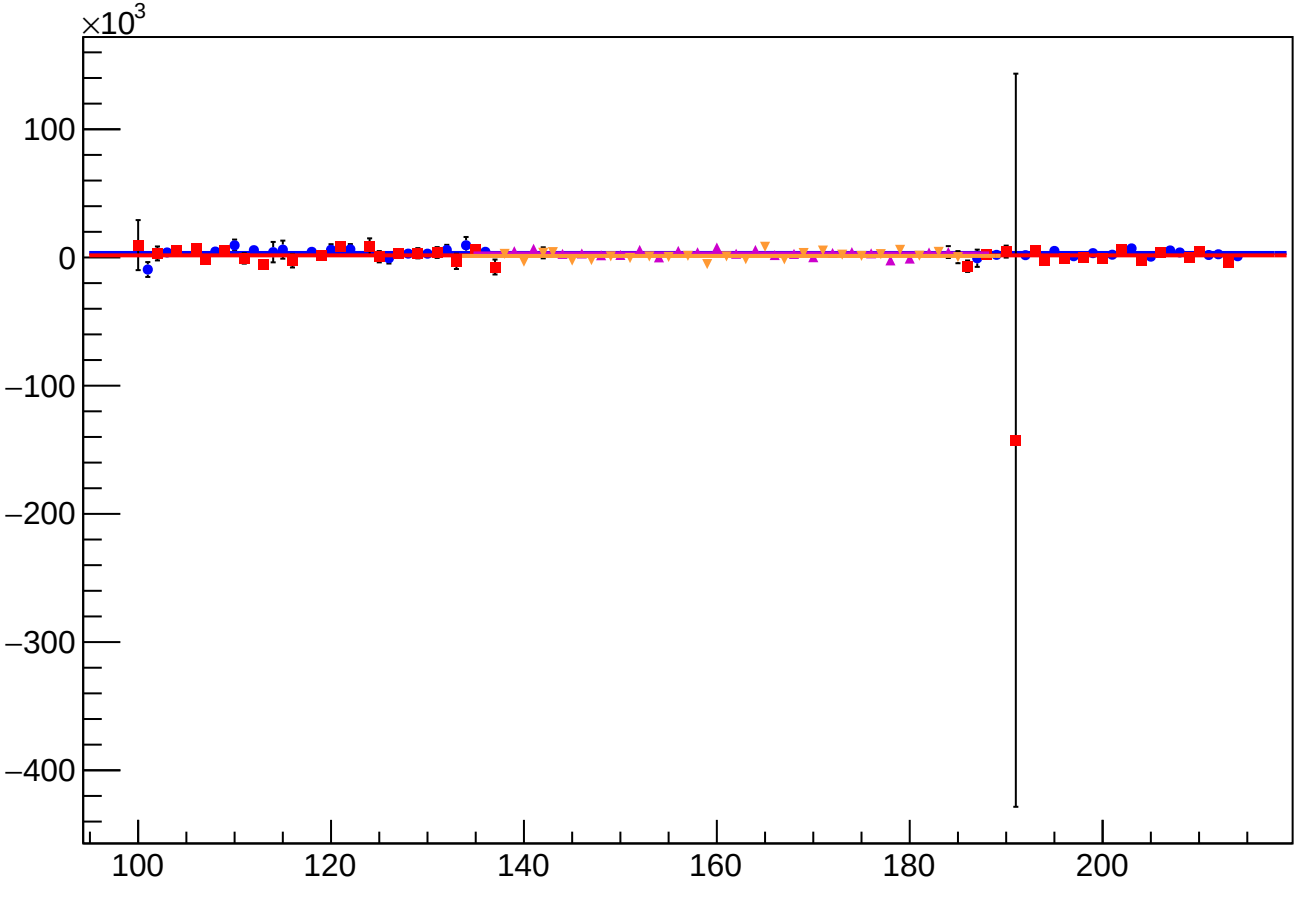
Right: 9462.902+/-1.182 χ^2/NDF: 9538473.0/63

In: 9276.081+/-1.127 χ^2/NDF:5090577.0/52

Out: 8873.447+/-1.073 χ^2/NDF:7094653.2/58

All: 9064.942+/-0.777 χ^2/NDF: 12252182.6/1

dit_asym_atr2_mean vs Slug, Sign Corrected



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

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

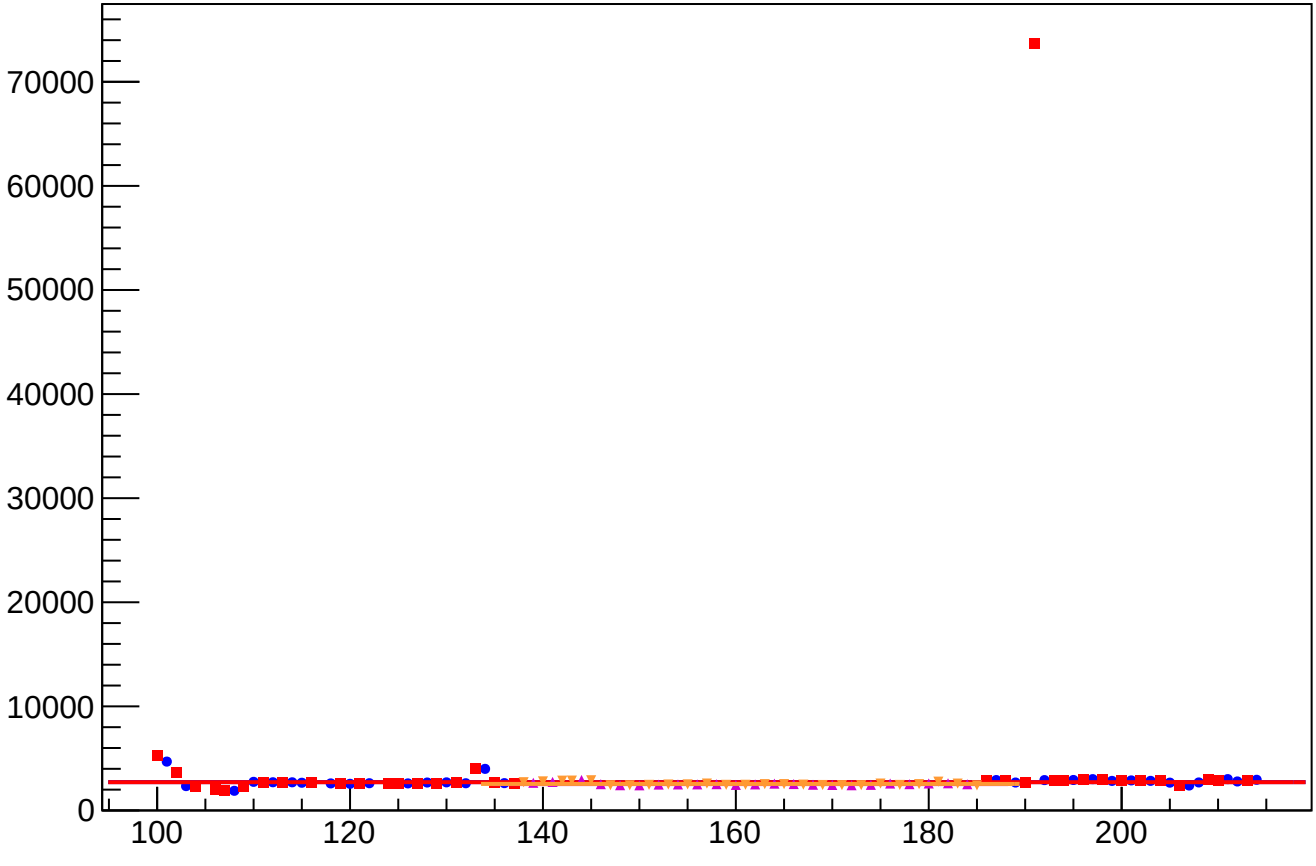
Right: 2576.680+/-451.755 χ^2/NDF: 56.6/63

In: 3321.407+/-435.218 χ^2/NDF:33.2/52

Out: 1411.028+/-428.408 χ^2/NDF:62.9/58

All: 2351.155+/-305.310 χ^2/NDF: 105.8/111

dit_asym_atr2_rms vs Slug, Sign Corrected



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

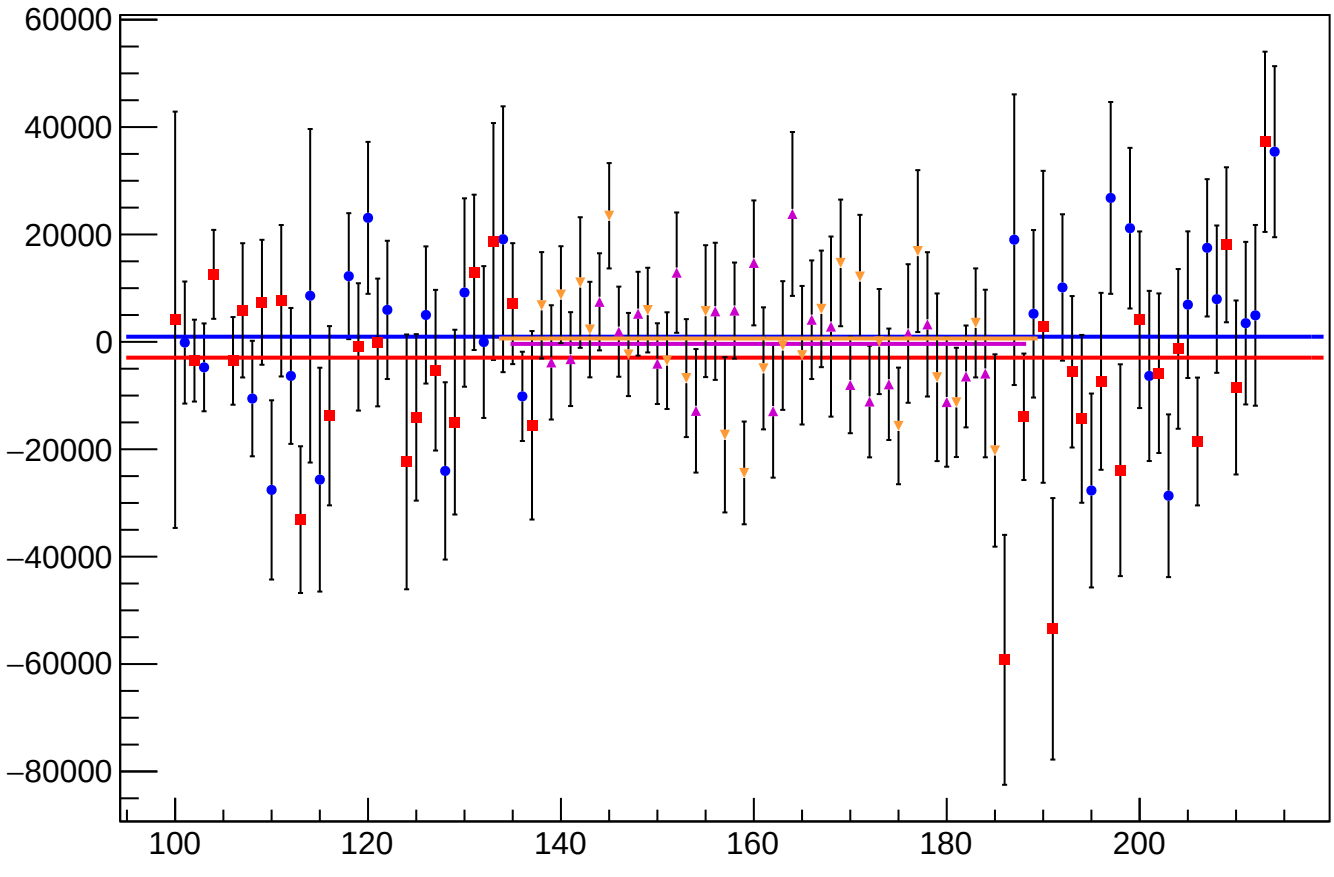
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2719.769+/-0.319 χ^2/NDF: 1308656.9/63

In: 2620.862+/-0.308 χ^2/NDF:776266.6/52

Out: 2623.463+/-0.303 χ^2/NDF:890550.1/58

All: 2622.183+/-0.216 χ^2/NDF: 1666853.0/11



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

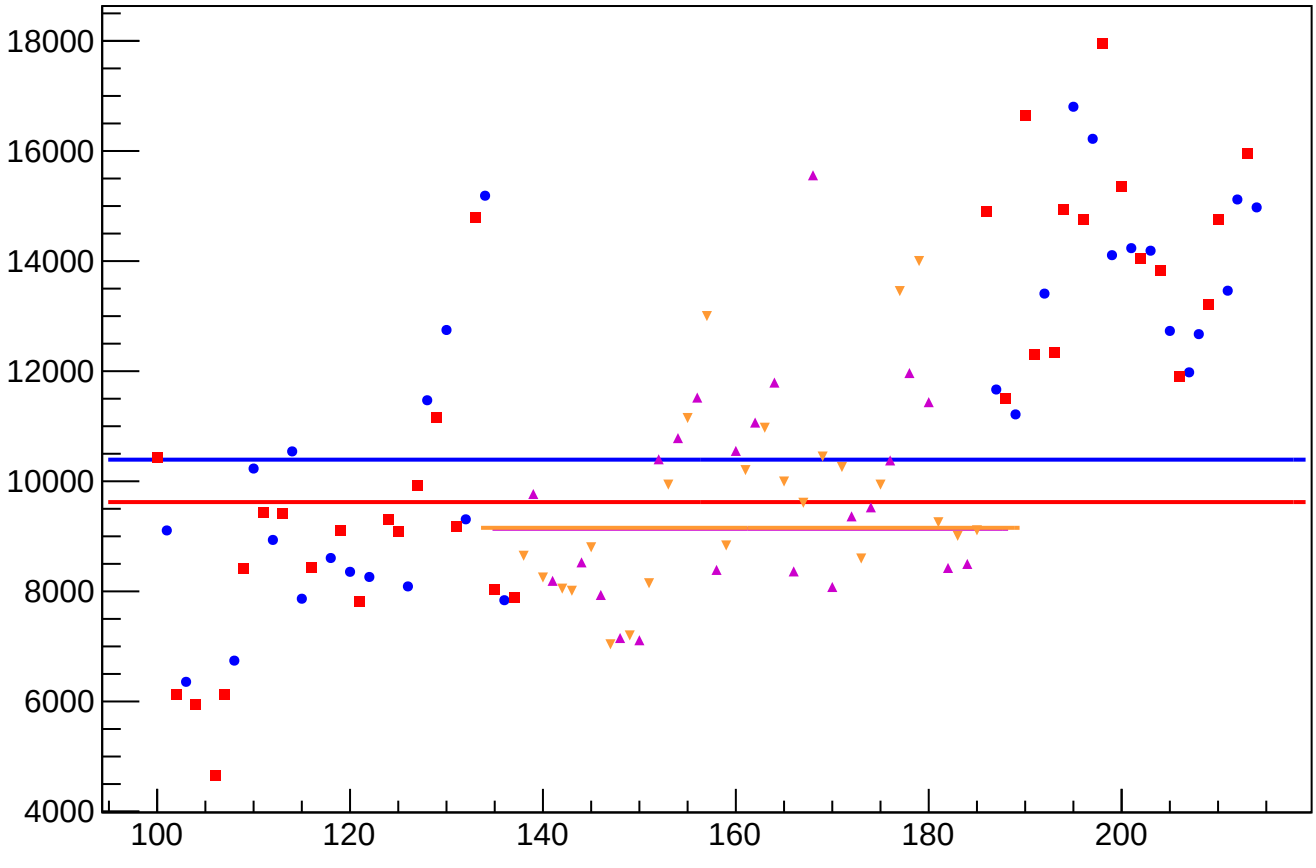
Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

Right: -1135.662+/-1725.461 χ^2/NDF: 73.4/63

In: 189.411+/-1651.636 χ^2/NDF:47.8/52

Out: -970.989+/-1576.654 χ^2/NDF:66.6/58

All: -417.726+/-1140.450 χ^2/NDF: 114.7/111



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

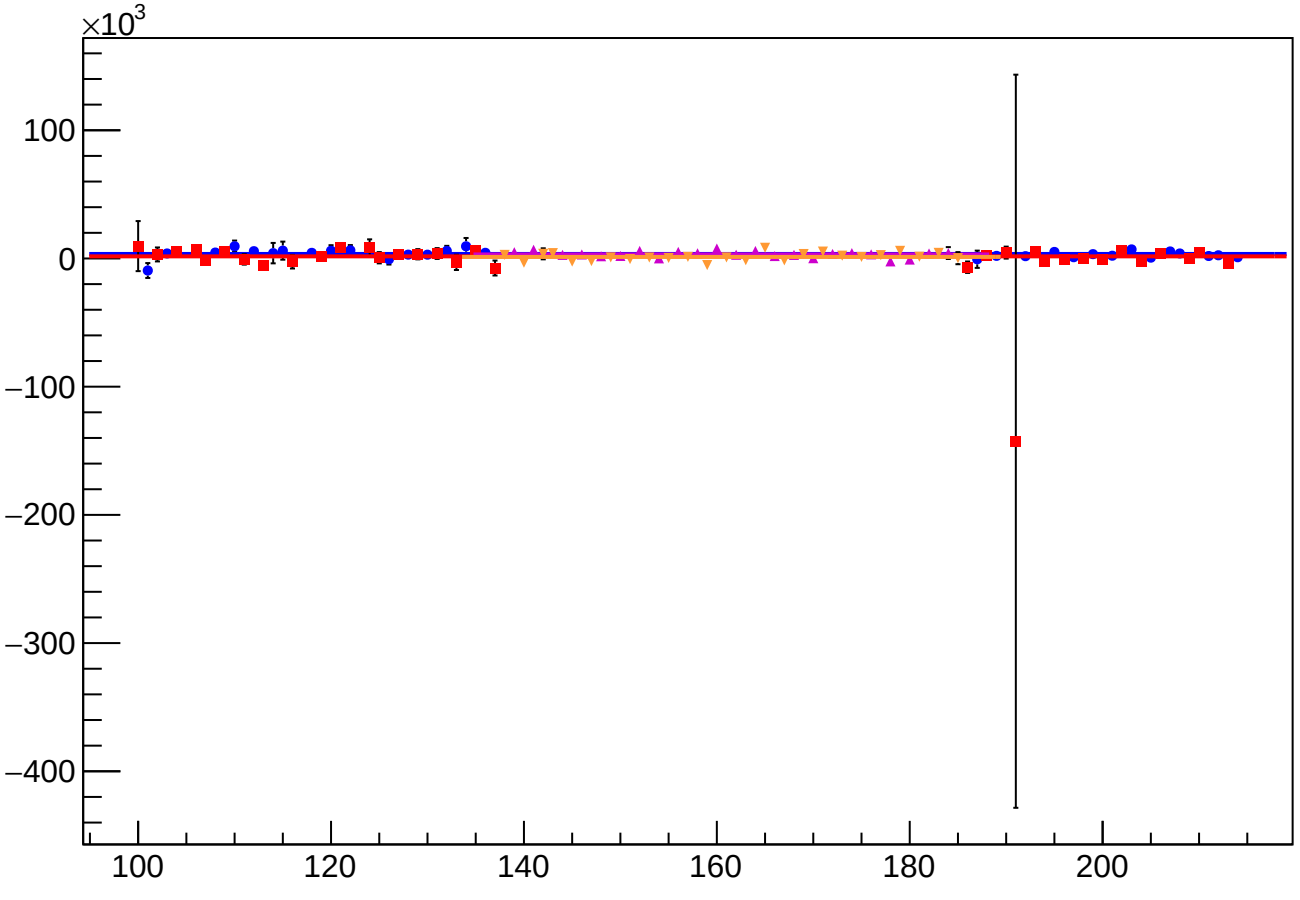
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 9978.826+/-1.220 χ^2/NDF: 7316244.7/63

In: 9669.867+/-1.168 χ^2/NDF:4271389.8/52

Out: 9364.360+/-1.115 χ^2/NDF:5516152.5/58

All: 9510.022+/-0.806 χ^2/NDF: 9823345.7/11



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

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

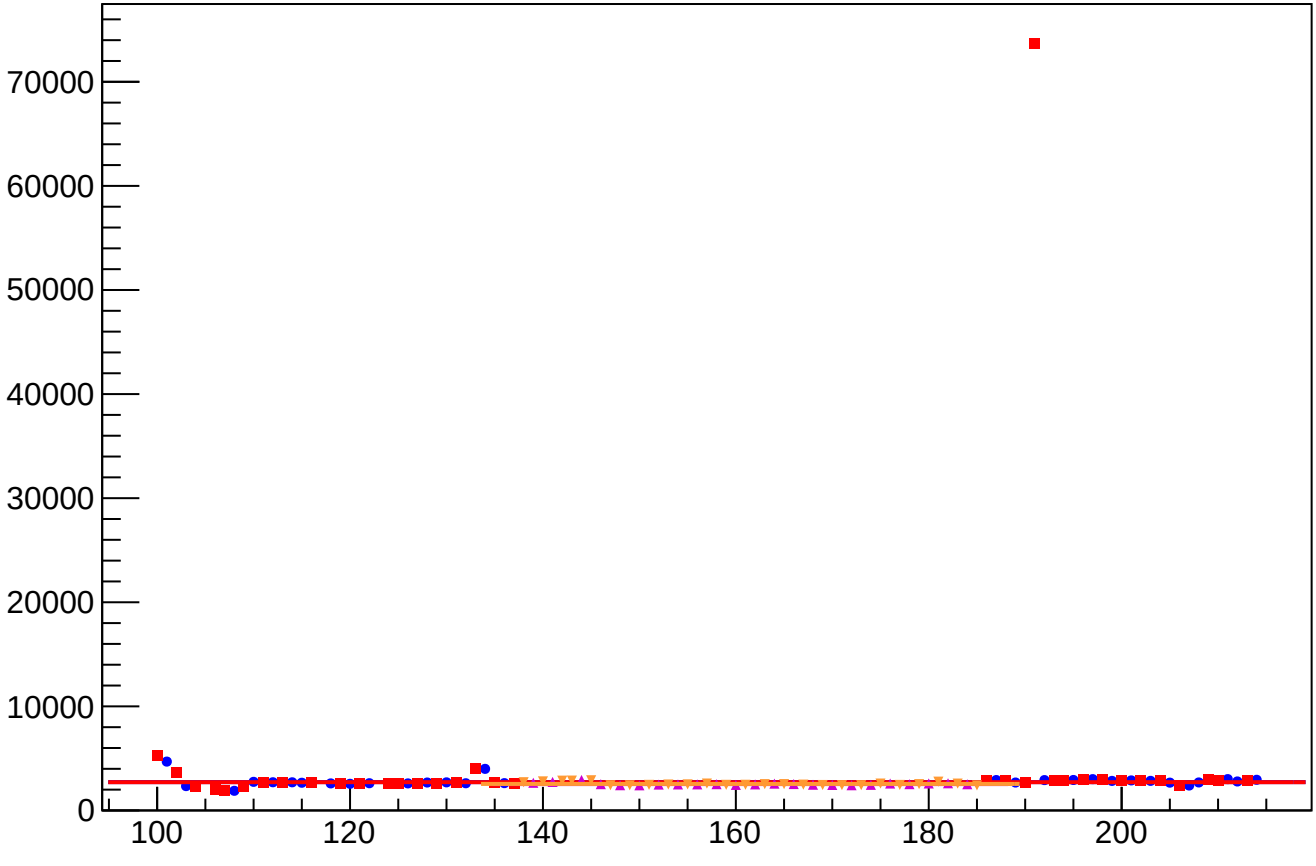
Right: 2576.679+/-451.755 χ^2/NDF: 56.6/63

In: 3321.404+/-435.218 χ^2/NDF:33.2/52

Out: 1411.023+/-428.409 χ^2/NDF:62.9/58

All: 2351.152+/-305.310 χ^2/NDF: 105.8/111

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



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

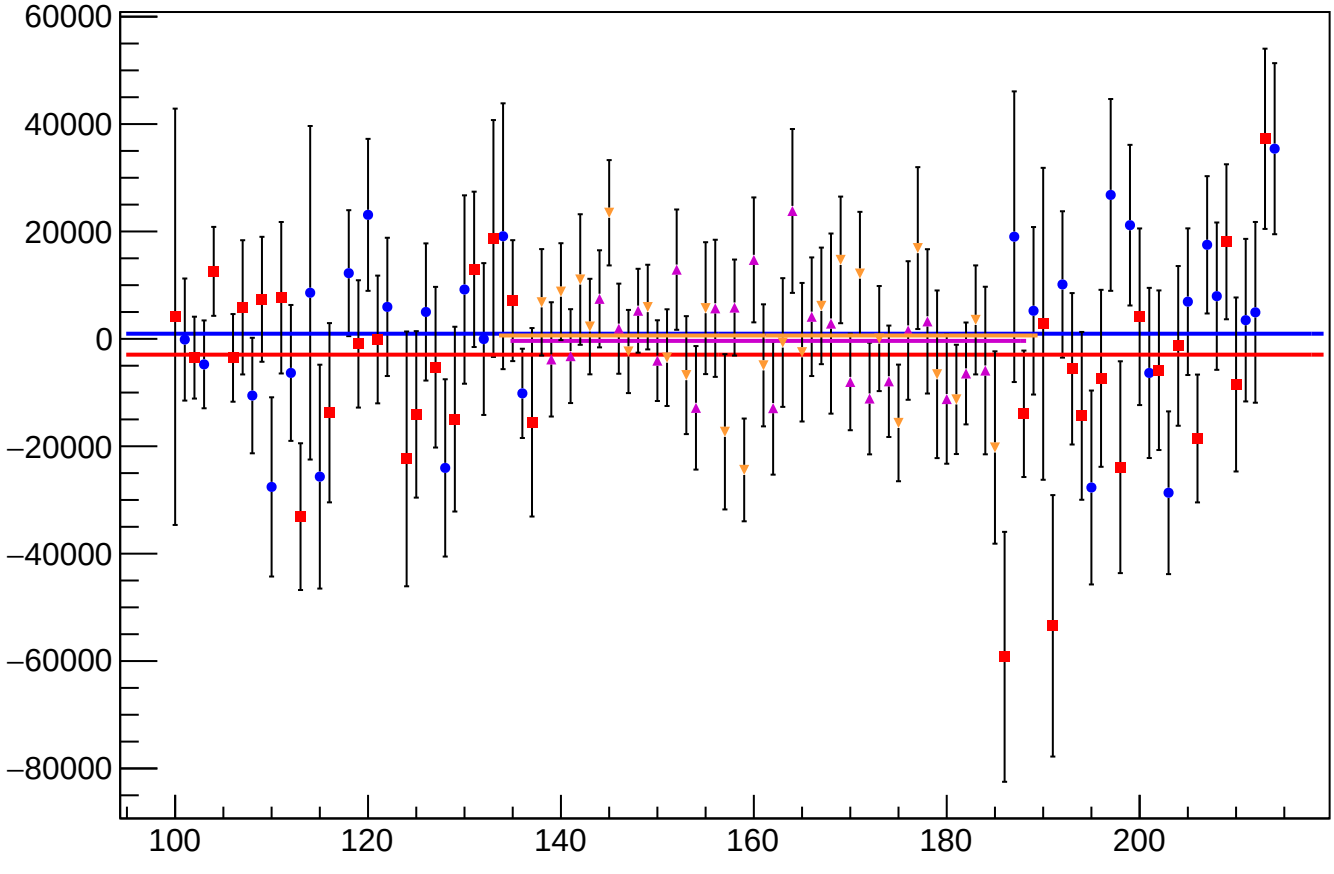
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2719.769+/-0.319 χ^2/NDF: 1308657.5/63

In: 2620.862+/-0.308 χ^2/NDF:776264.9/52

Out: 2623.464+/-0.303 χ^2/NDF:890548.4/58

All: 2622.184+/-0.216 χ^2/NDF: 1666849.6/11



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

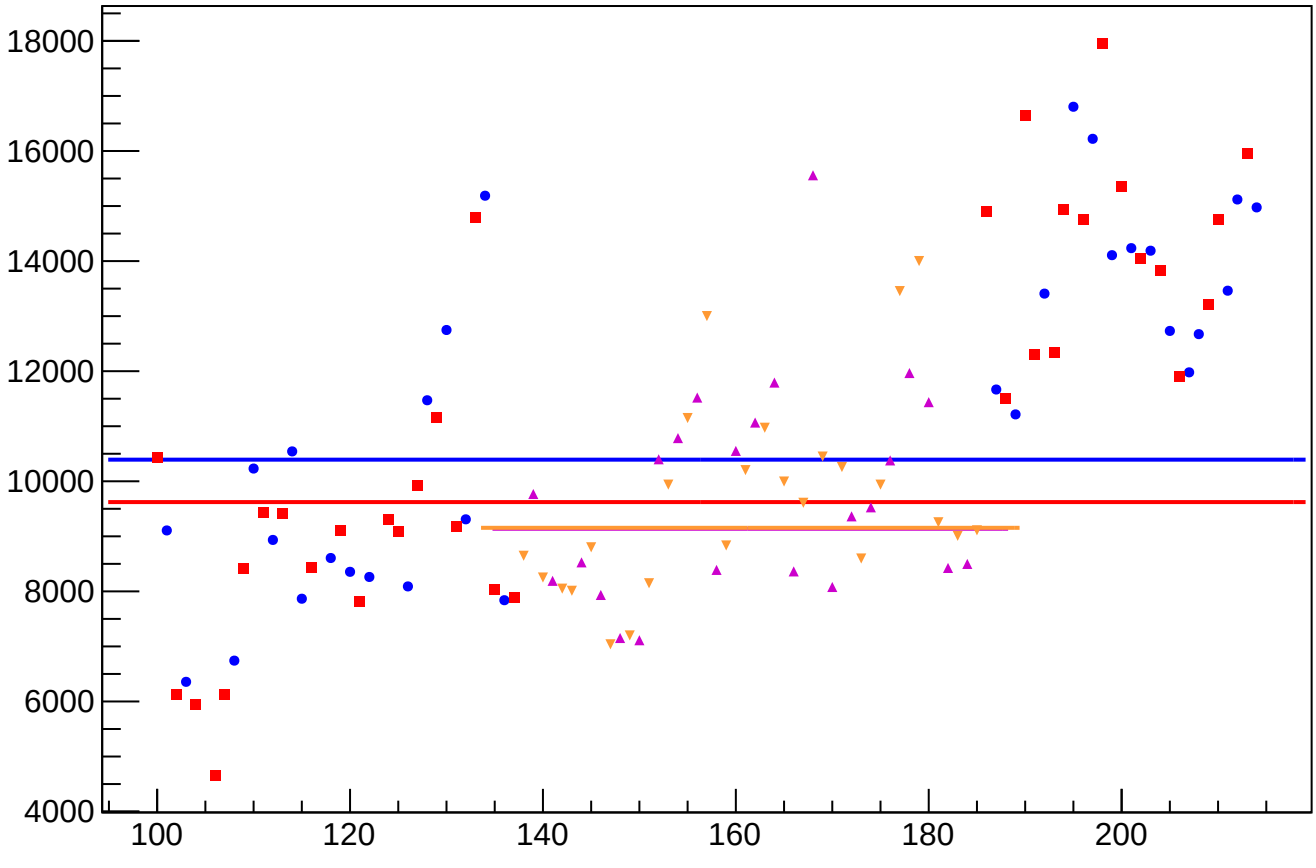
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -1135.652+/-1725.460 χ^2/NDF: 73.4/63

In: 189.415+/-1651.637 χ^2/NDF:47.8/52

Out: -970.992+/-1576.655 χ^2/NDF:66.6/58

All: -417.726+/-1140.450 χ^2/NDF: 114.7/111



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

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

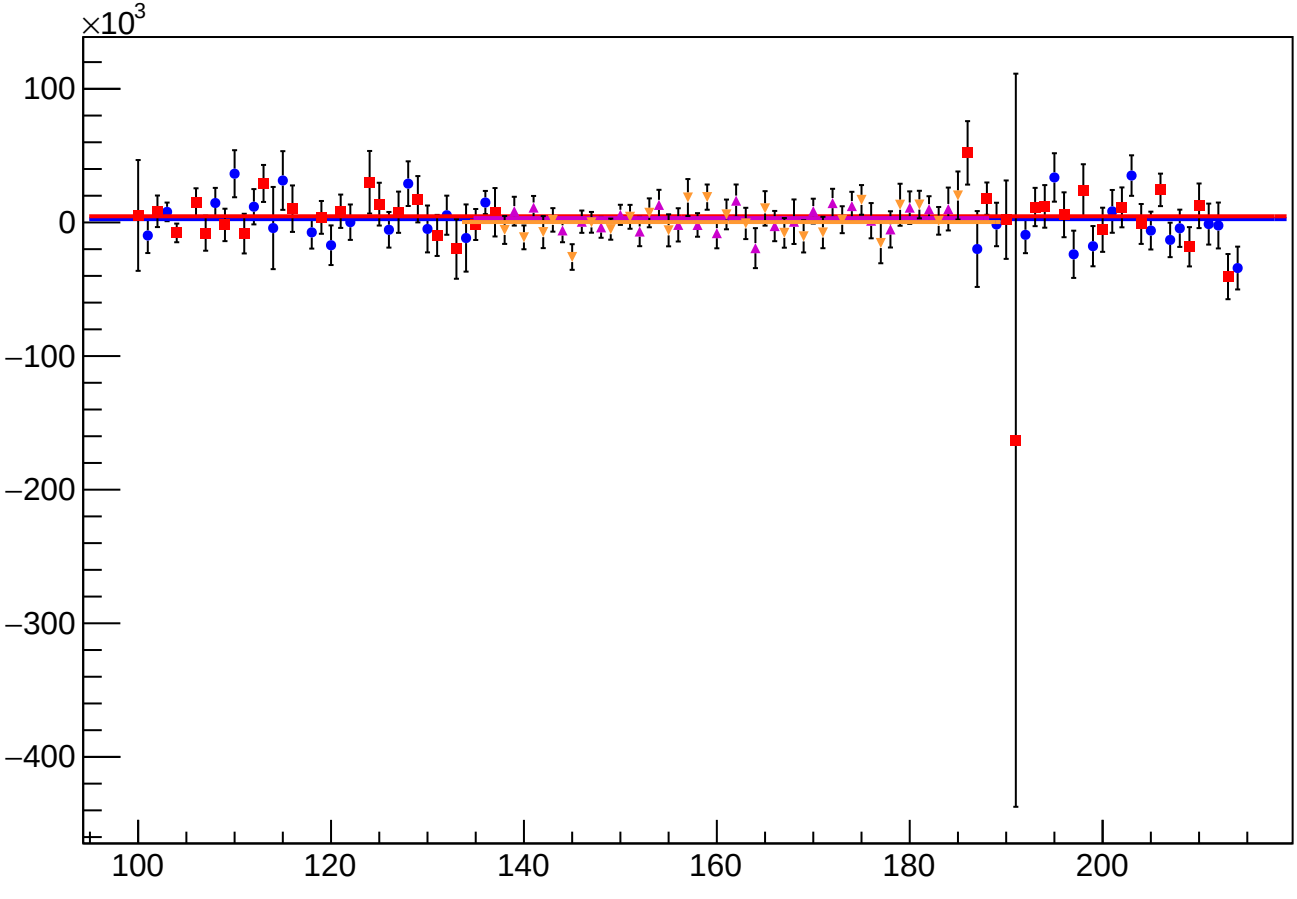
Right: 9978.817+/-1.220 χ^2/NDF: 7316283.8/63

In: 9669.874+/-1.168 χ^2/NDF:4271400.7/52

Out: 9364.364+/-1.115 χ^2/NDF:5516171.5/58

All: 9510.027+/-0.806 χ^2/NDF: 9823376.3/11

asym_atr2_mean vs Slug, Sign Corrected



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

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

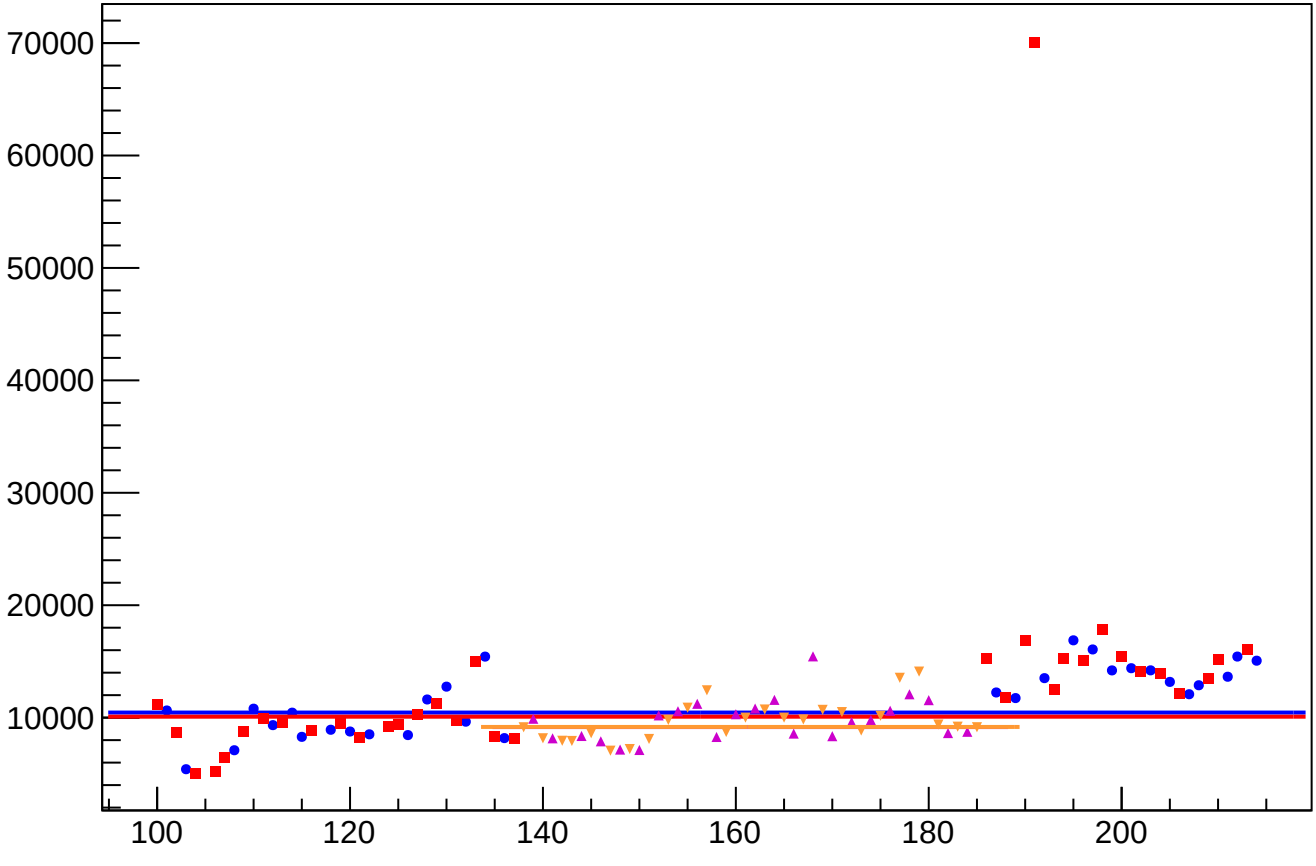
Right: 3581.192+/-1783.893 χ^2/NDF: 71.7/63

In: 2915.274+/-1660.589 χ^2/NDF:50.7/52

Out: 2122.975+/-1614.955 χ^2/NDF:62.3/58

All: 2508.088+/-1157.742 χ^2/NDF: 113.1/111

asym_atr2_rms vs Slug, Sign Corrected



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

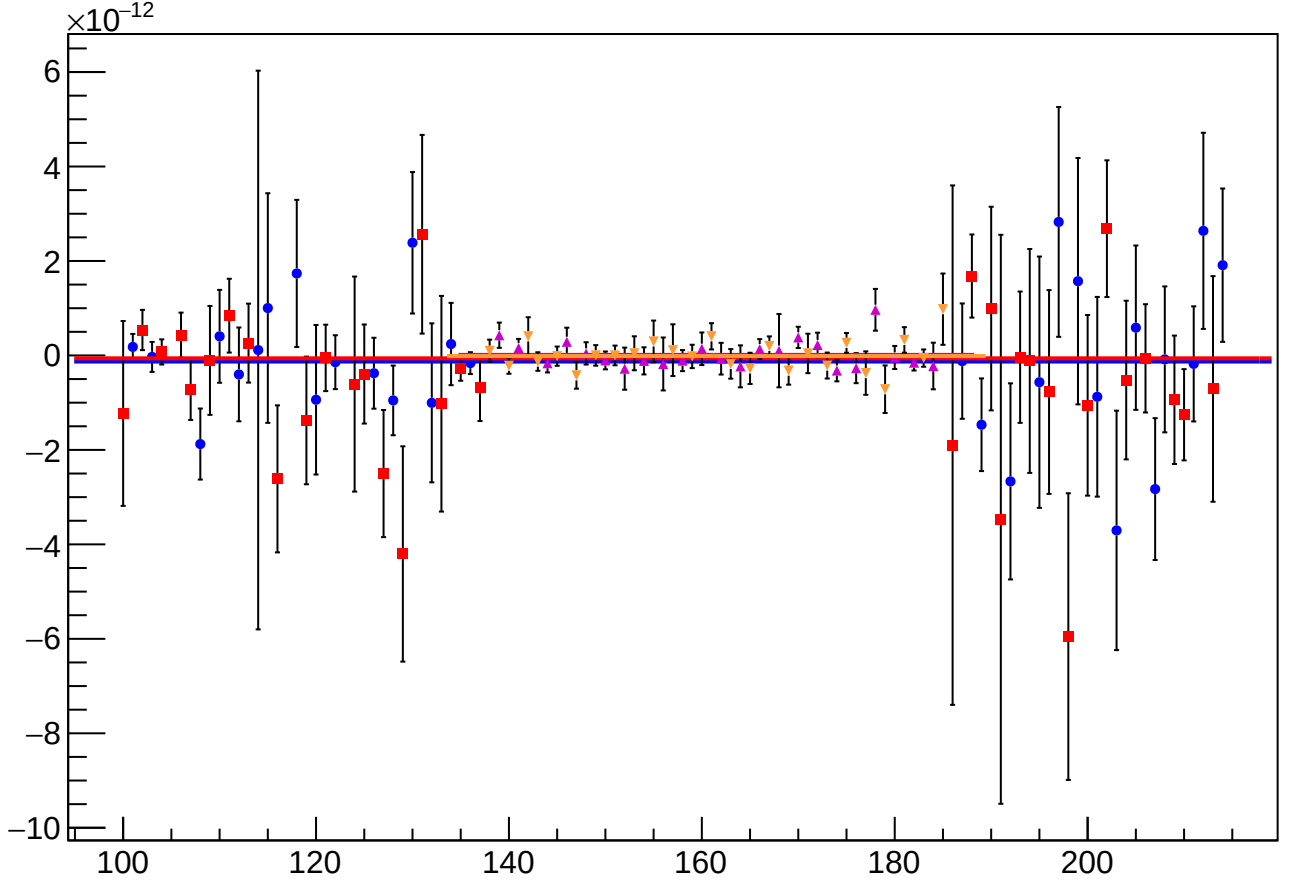
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 10263.066+/-1.261 χ^2/NDF: 7376756.3/63

In: 9703.776+/-1.174 χ^2/NDF:4616573.0/52

Out: 9558.400+/-1.142 χ^2/NDF:5373284.2/58

All: 9629.063+/-0.819 χ^2/NDF: 9997734.8/11



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

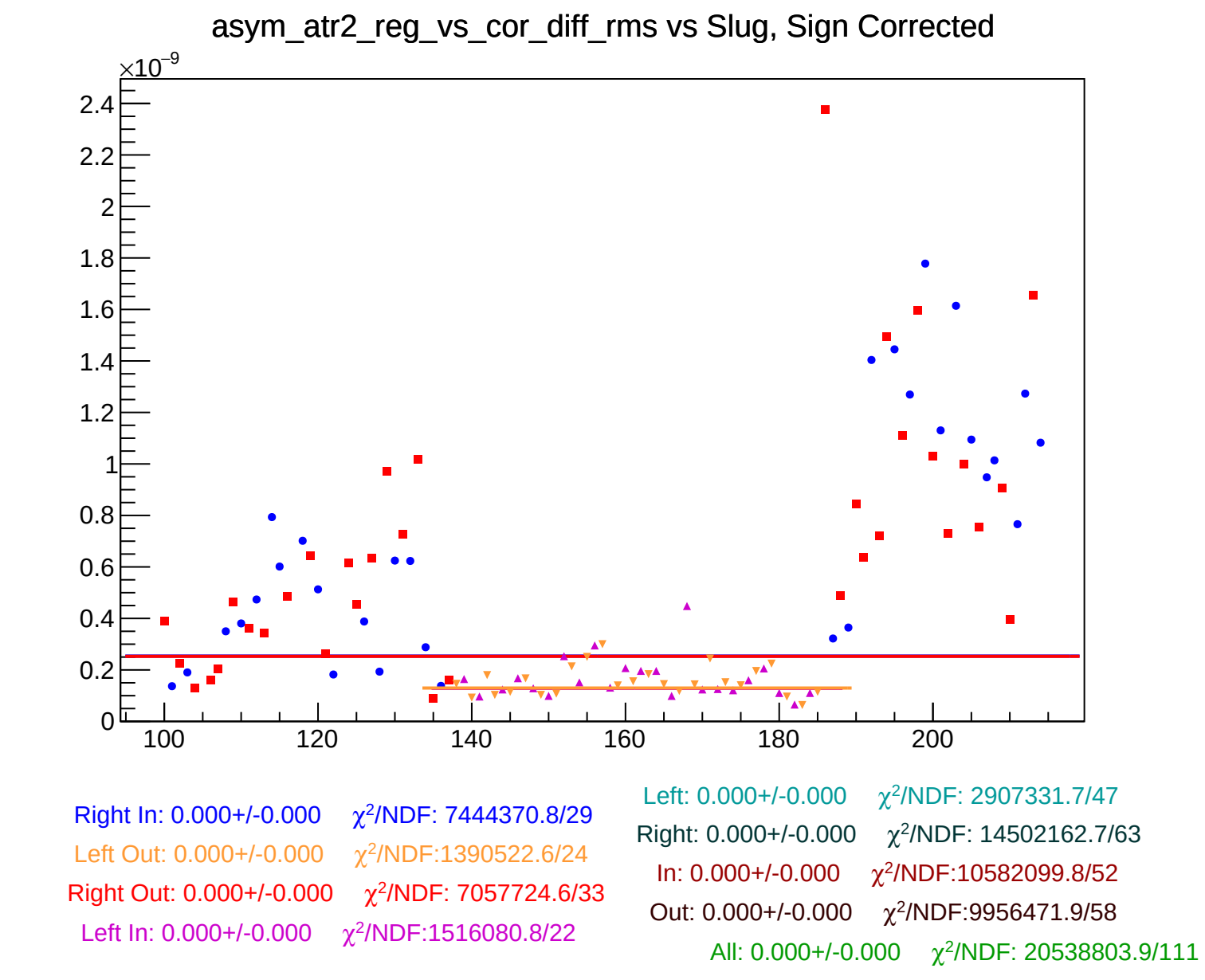
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

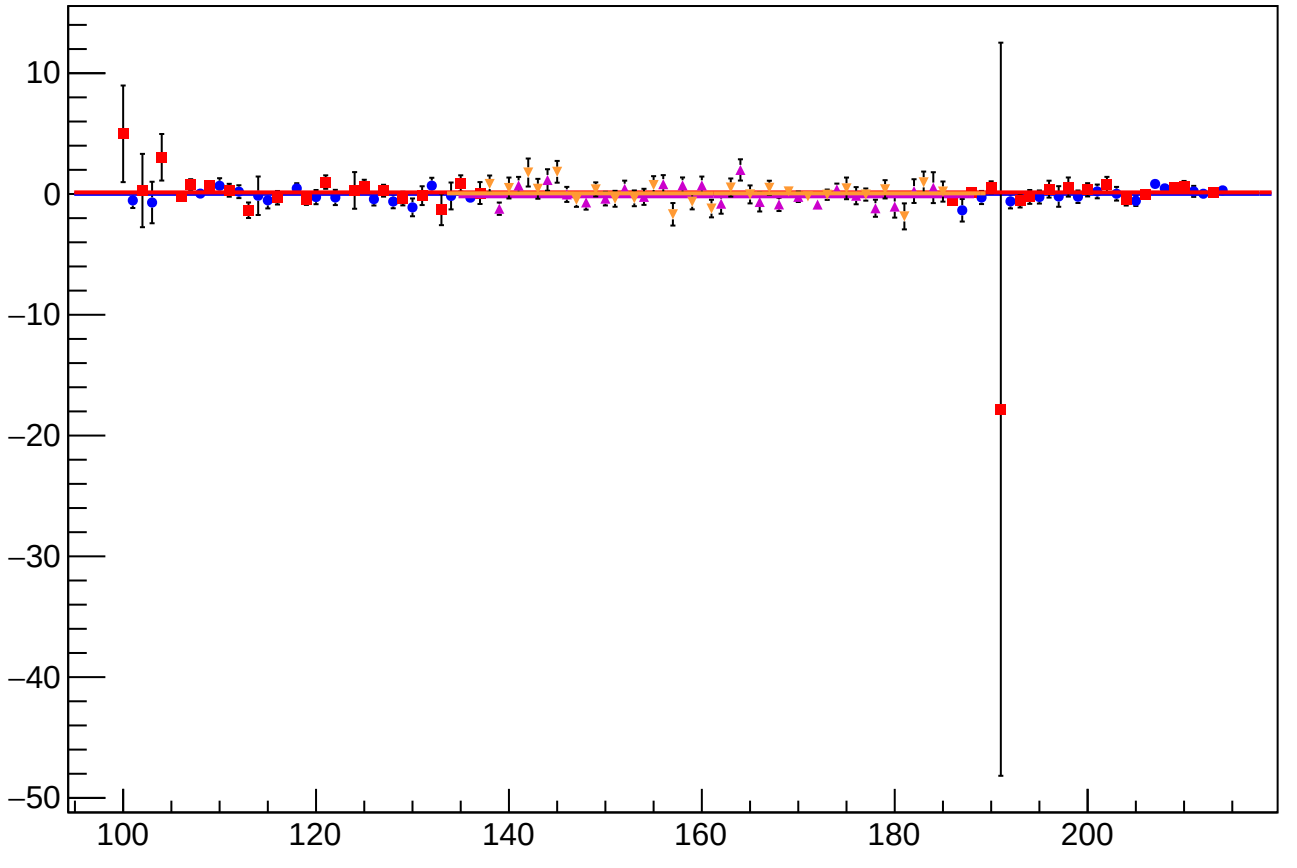
Right: -0.000+/-0.000 χ^2/NDF: 62.0/63

In: -0.000+/-0.000 χ^2/NDF:48.0/52

Out: -0.000+/-0.000 χ^2/NDF:53.6/58

All: -0.000+/-0.000 χ^2/NDF: 101.6/111


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.4
2.2
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: 7444370.8/29
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 7057724.6/33
Left In: 0.000+/-0.000 χ²/NDF:1516080.8/22
Left: 0.000+/-0.000 χ²/NDF: 2907331.7/47
Right: 0.000+/-0.000 χ²/NDF: 14502162.7/63
In: 0.000+/-0.000 χ²/NDF:10582099.8/52
Out: 0.000+/-0.000 χ²/NDF:9956471.9/58
All: 0.000+/-0.000 χ²/NDF: 20538803.9/111



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

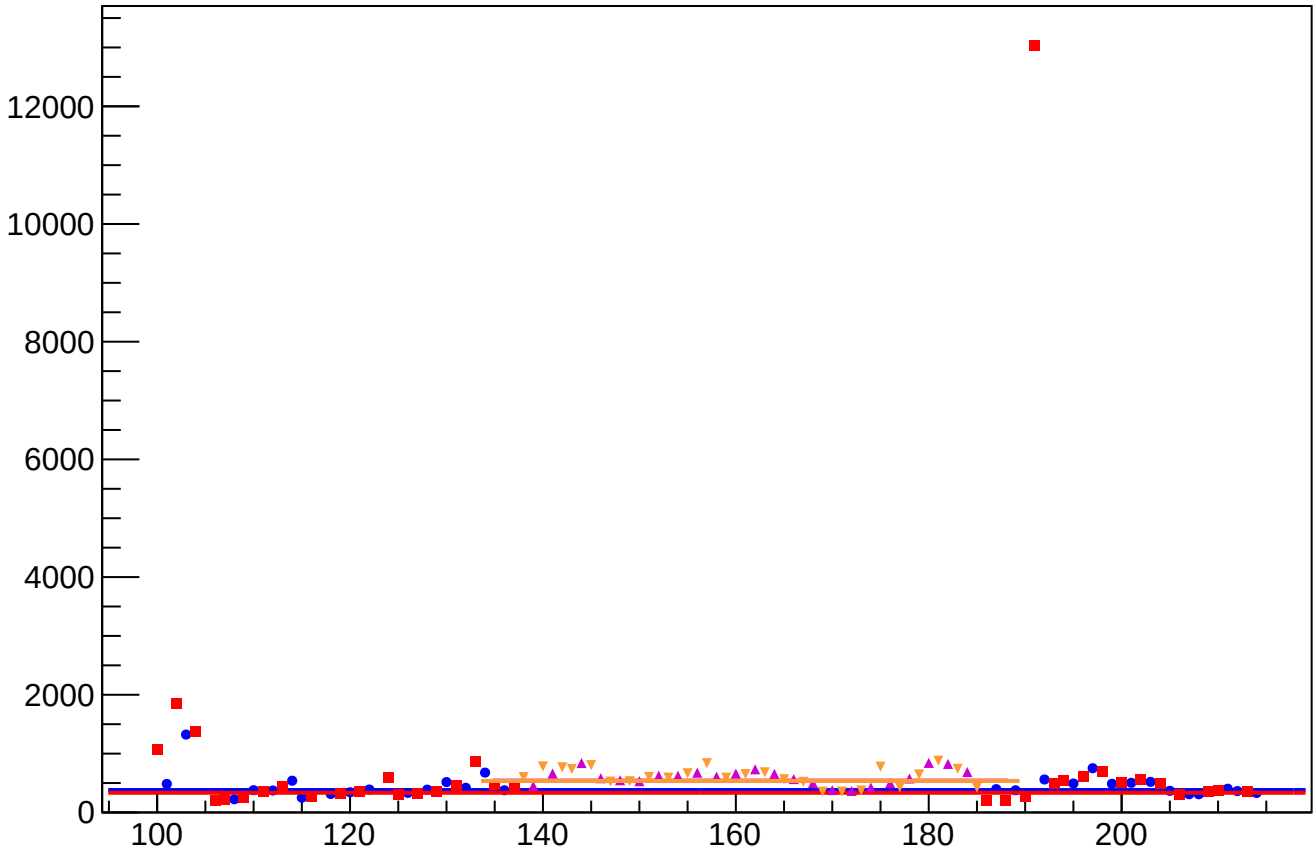
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.077+/-0.064 χ^2/NDF: 62.8/63

In: -0.058+/-0.077 χ^2/NDF:57.7/52

Out: 0.108+/-0.072 χ^2/NDF:61.7/58

All: 0.031+/-0.053 χ^2/NDF: 121.9/111



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

Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

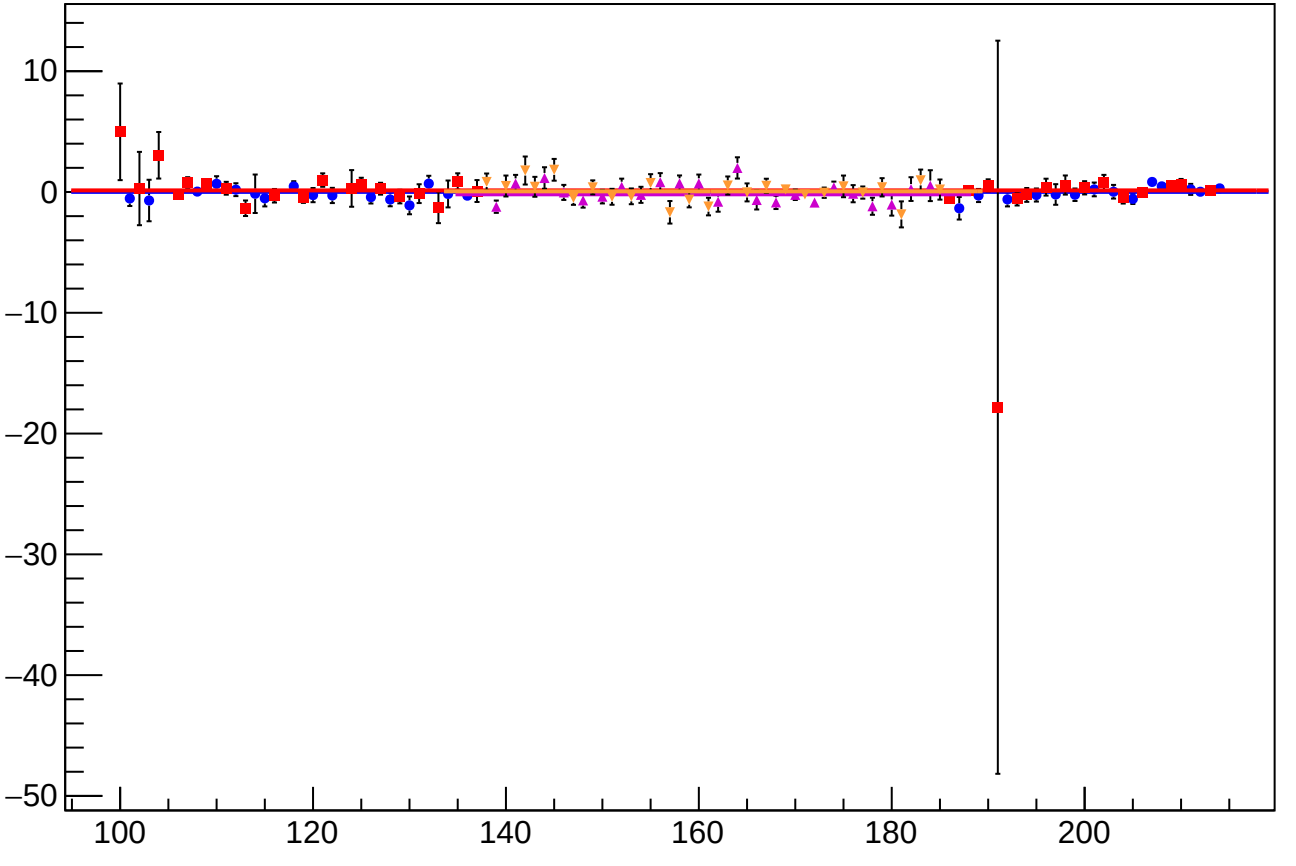
Right: 355.795+/-0.045 χ^2/NDF: 8354393.2/63

In: 434.500+/-0.055 χ^2/NDF:6411763.1/52

Out: 396.802+/-0.051 χ^2/NDF:11594570.5/58

All: 414.328+/-0.037 χ^2/NDF: 18262194.0/11

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

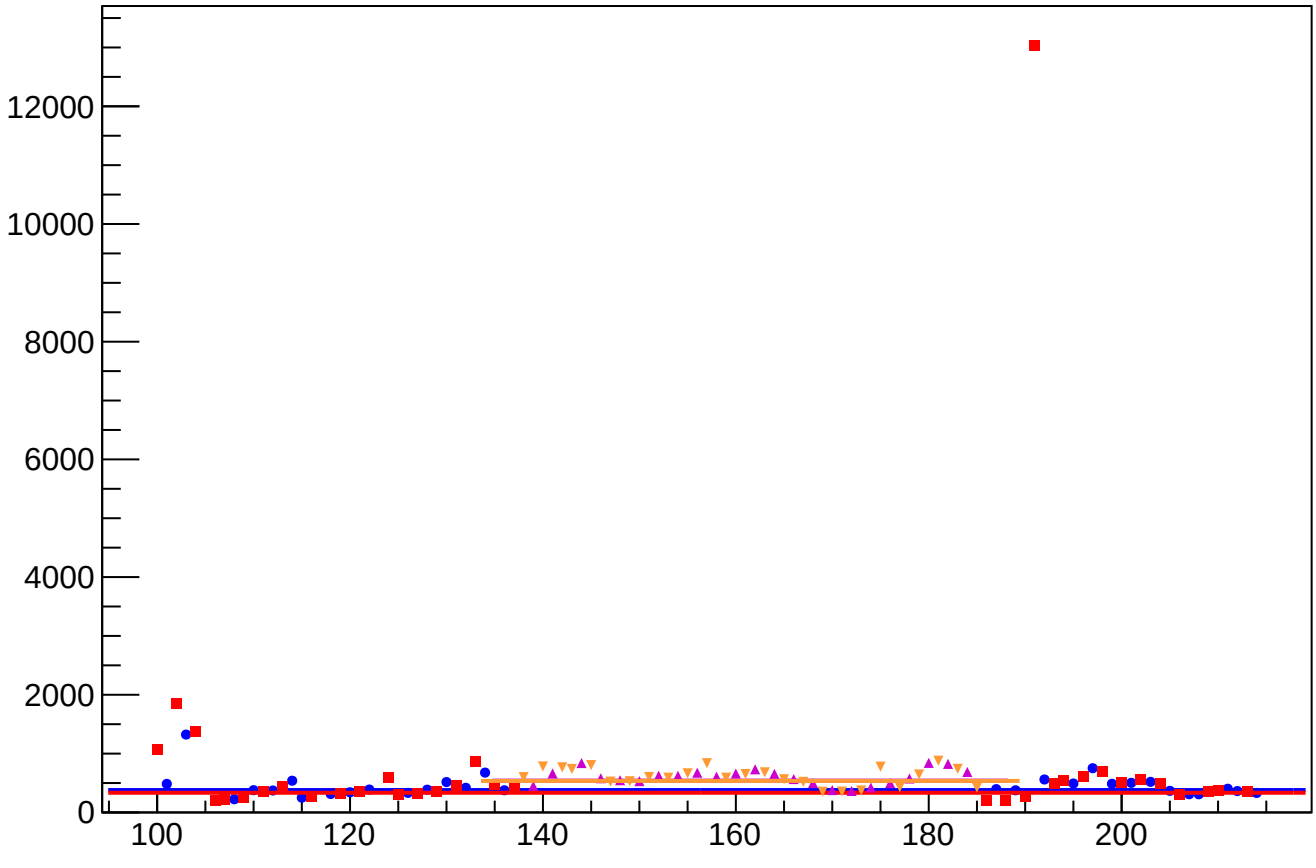
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.077+/-0.064 χ^2/NDF: 62.8/63

In: -0.058+/-0.077 χ^2/NDF:57.7/52

Out: 0.108+/-0.072 χ^2/NDF:61.7/58

All: 0.031+/-0.053 χ^2/NDF: 121.9/111



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

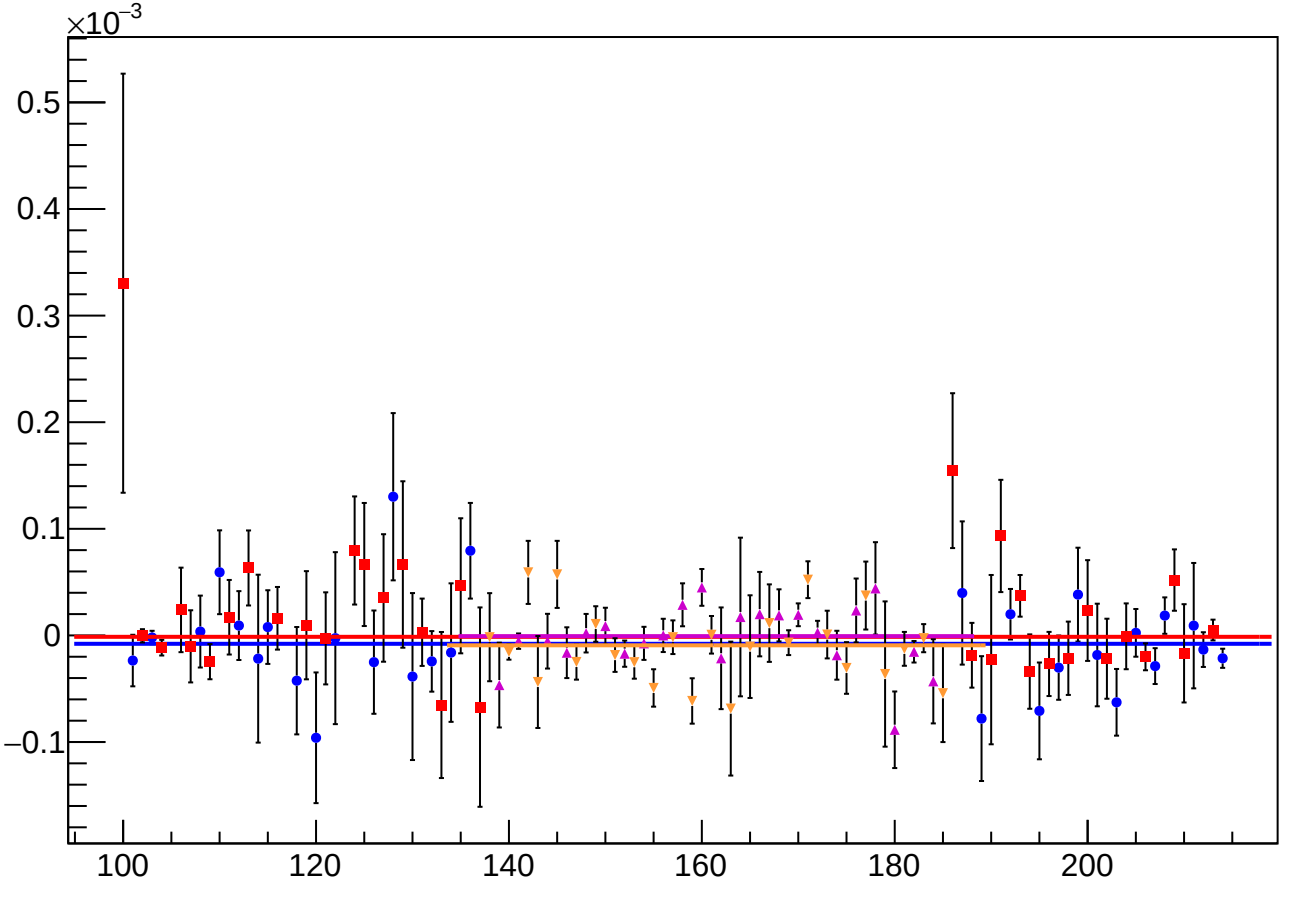
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

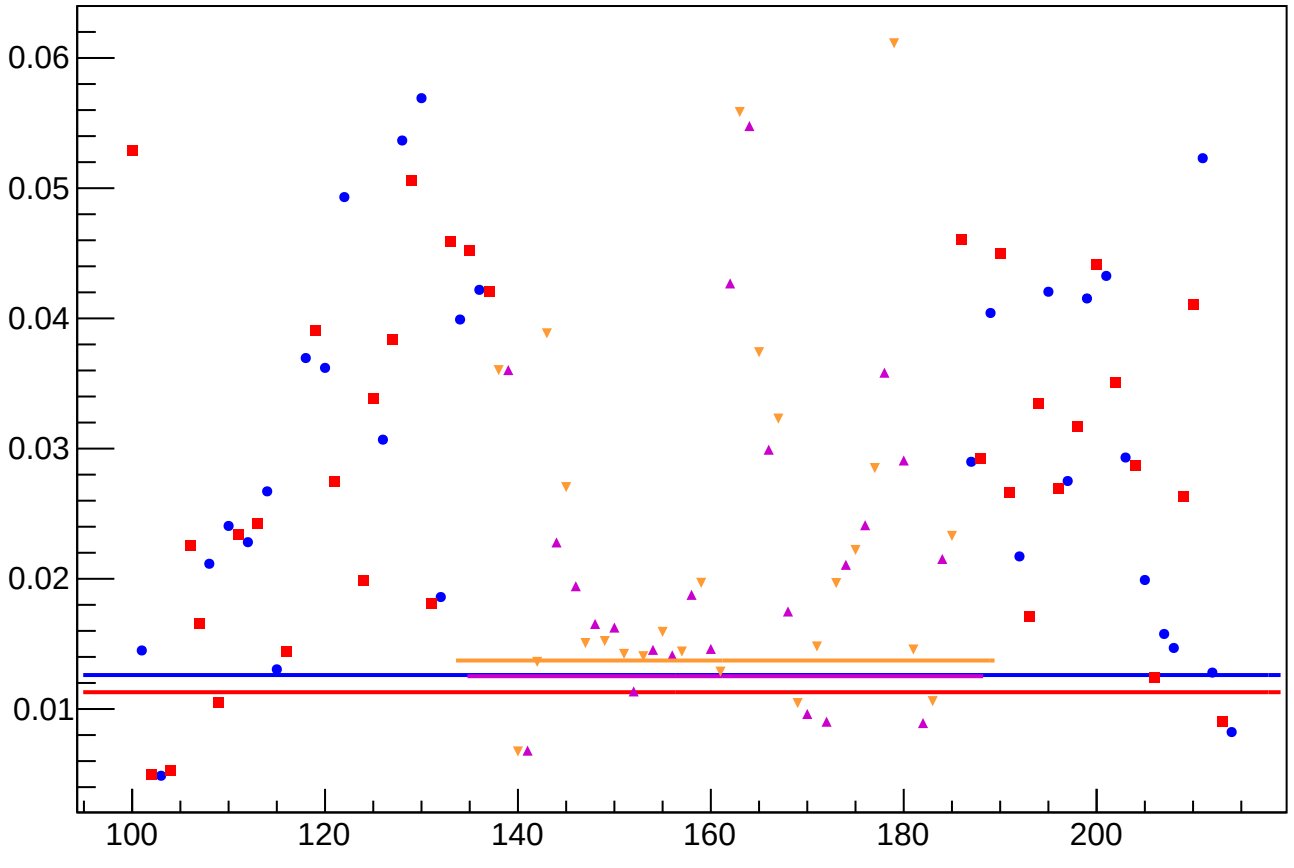
Right: 355.795+/-0.045 χ^2/NDF: 8354393.2/63

In: 434.500+/-0.055 χ^2/NDF:6411763.1/52

Out: 396.802+/-0.051 χ^2/NDF:11594570.5/58

All: 414.328+/-0.037 χ^2/NDF: 18262194.0/11


asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.5
0.4
0.3
0.2
0.1
0
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.6/29
Left Out: -0.000+/-0.000 χ²/NDF:45.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 39.1/33
Left In: -0.000+/-0.000 χ²/NDF:30.0/22
Left: -0.000+/-0.000 χ²/NDF: 78.1/47
Right: -0.000+/-0.000 χ²/NDF: 72.2/63
In: -0.000+/-0.000 χ²/NDF:63.4/52
Out: -0.000+/-0.000 χ²/NDF:86.8/58
All: -0.000+/-0.000 χ²/NDF: 150.4/111



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

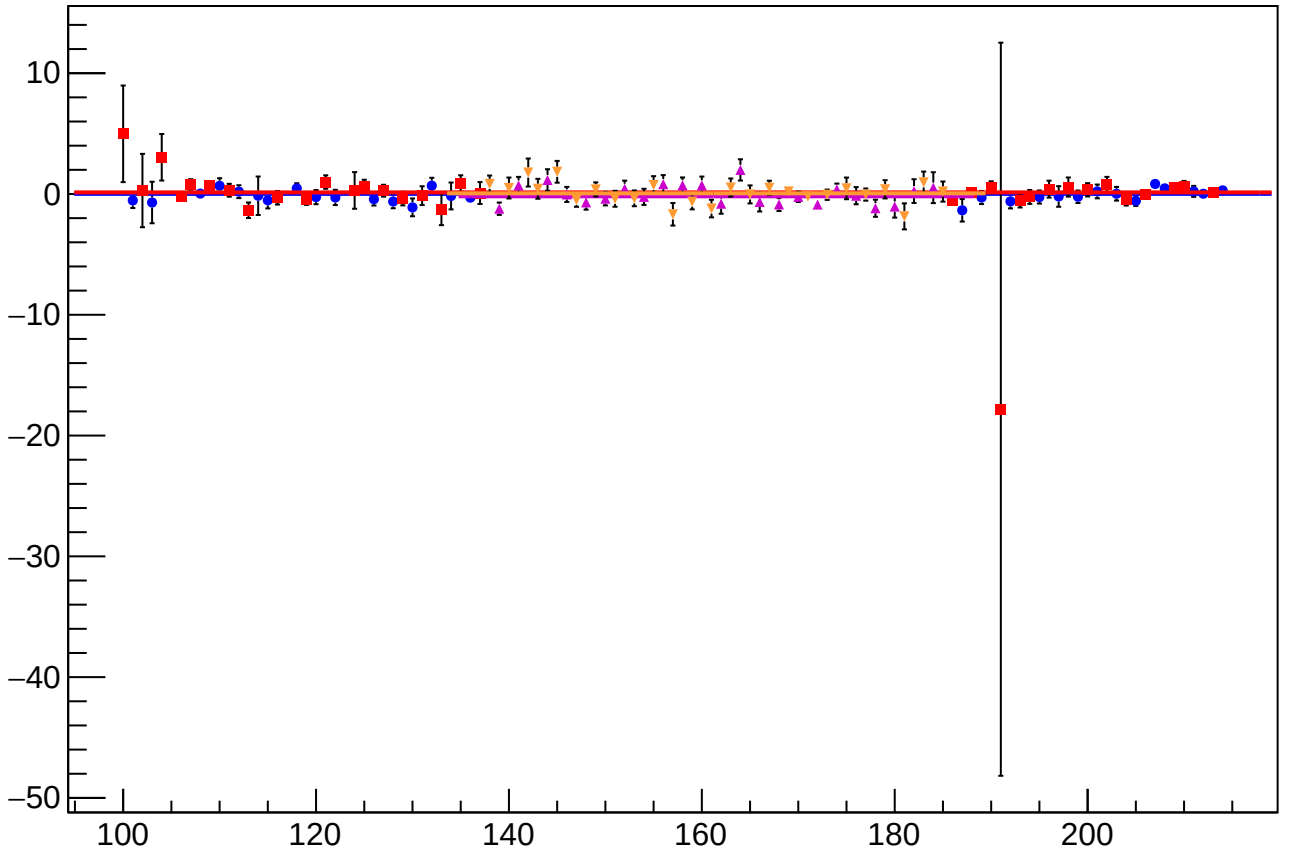
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 29448945.1/63

In: 0.013+/-0.000 χ^2/NDF:20839308.8/52

Out: 0.012+/-0.000 χ^2/NDF:23797569.2/58

All: 0.013+/-0.000 χ^2/NDF: 44638473.7/111



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

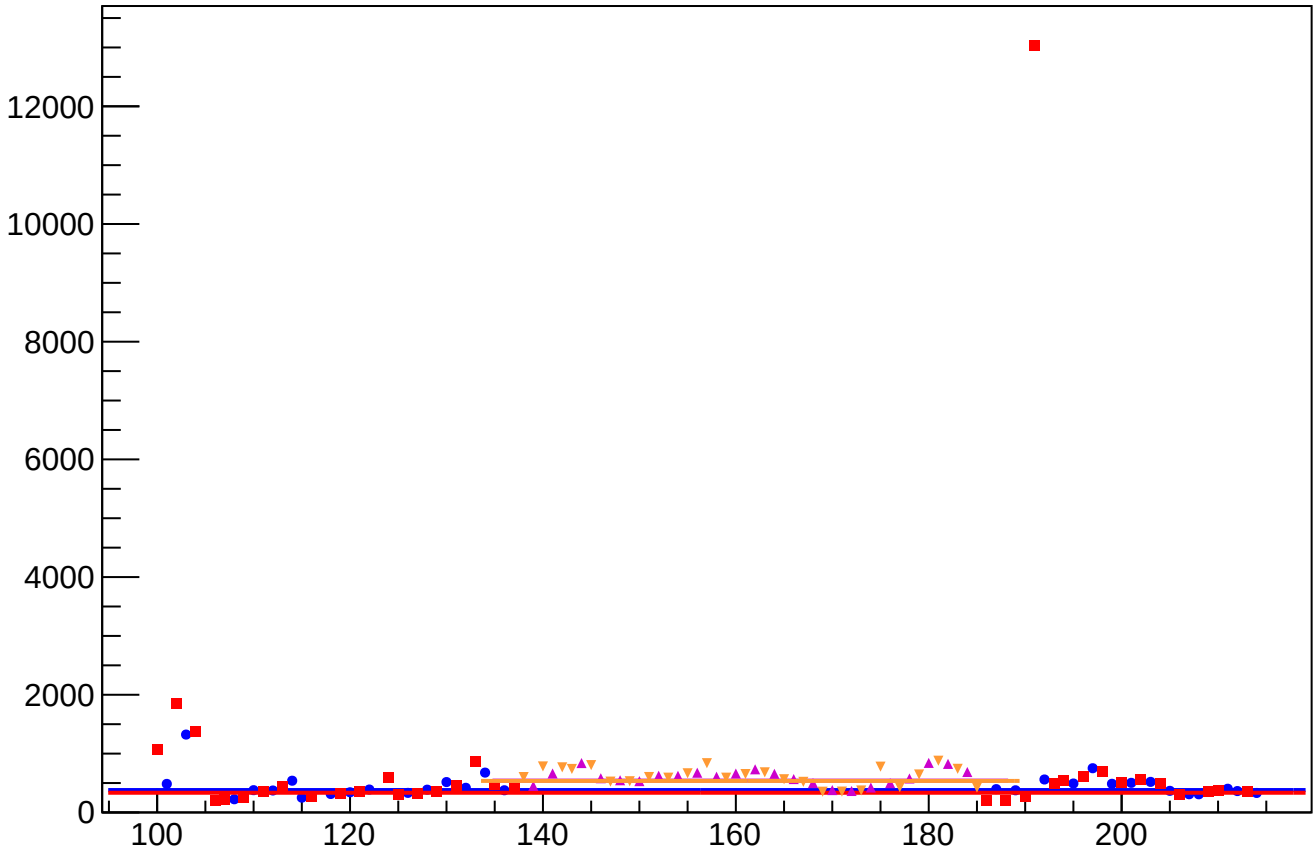
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.077+/-0.064 χ^2/NDF: 62.8/63

In: -0.058+/-0.077 χ^2/NDF:57.7/52

Out: 0.108+/-0.072 χ^2/NDF:61.7/58

All: 0.031+/-0.053 χ^2/NDF: 121.9/111



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

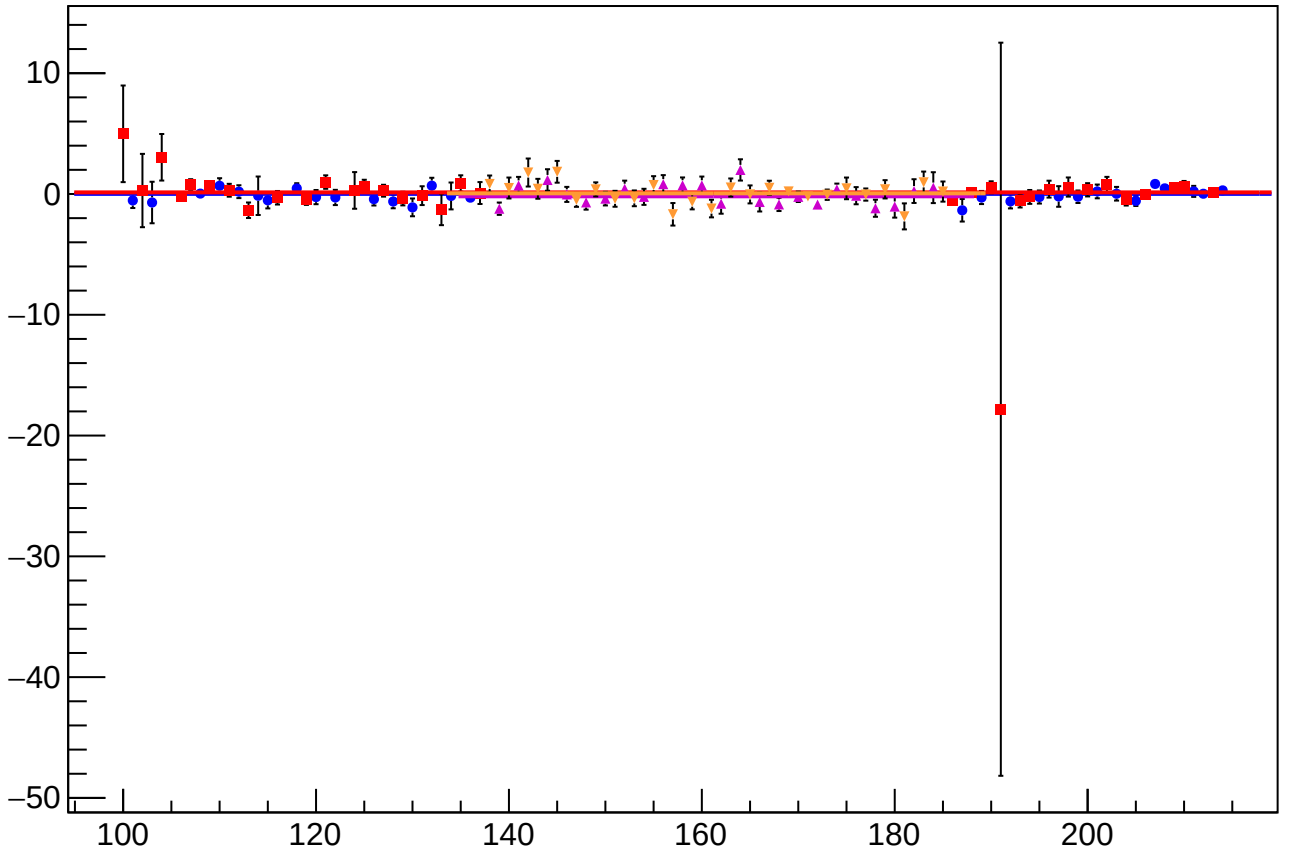
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 355.793+/-0.045 χ^2/NDF: 8354379.3/63

In: 434.499+/-0.055 χ^2/NDF:6412010.0/52

Out: 396.801+/-0.051 χ^2/NDF:11594751.9/58

All: 414.328+/-0.037 χ^2/NDF: 18262609.5/11



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

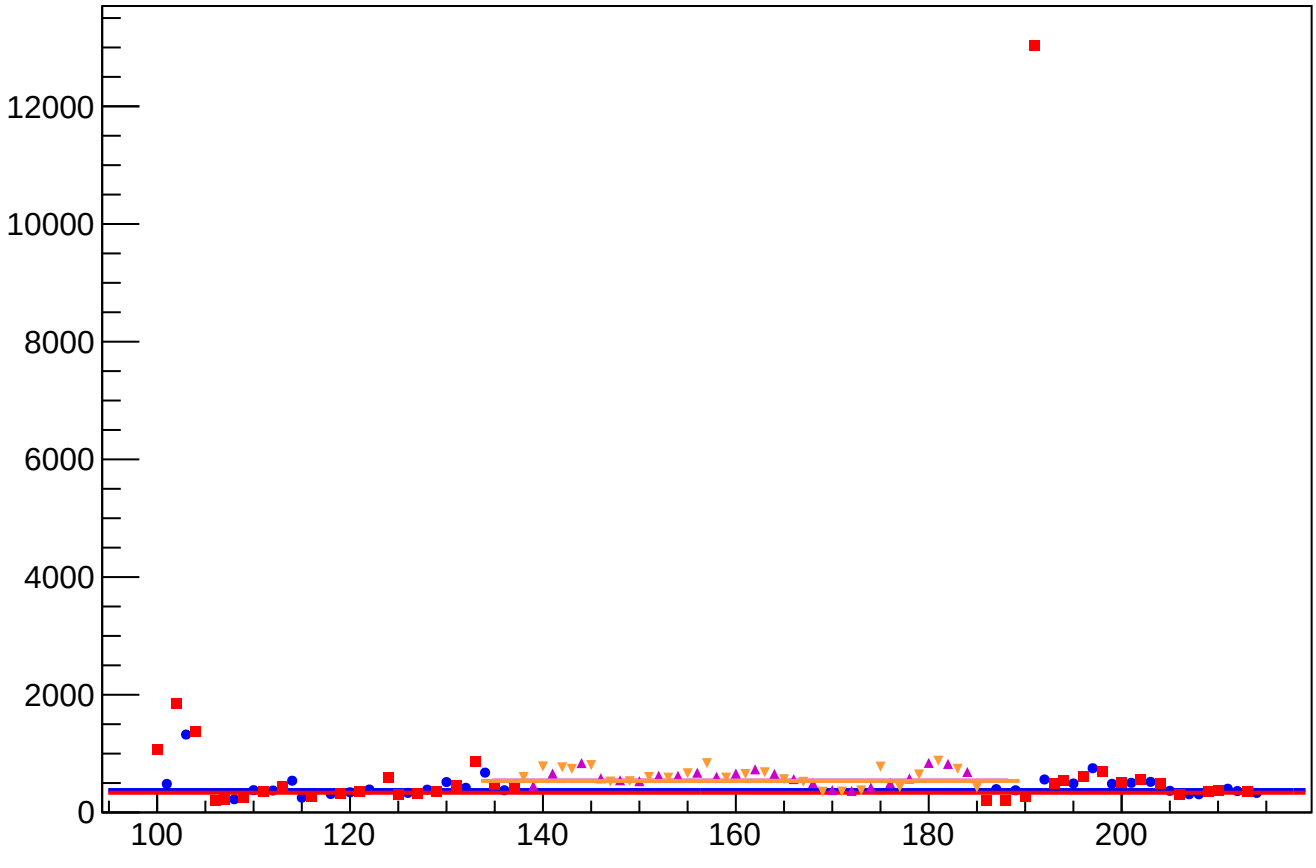
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.077+/-0.064 χ^2/NDF: 62.8/63

In: -0.058+/-0.077 χ^2/NDF:57.7/52

Out: 0.108+/-0.072 χ^2/NDF:61.7/58

All: 0.031+/-0.053 χ^2/NDF: 121.9/111



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

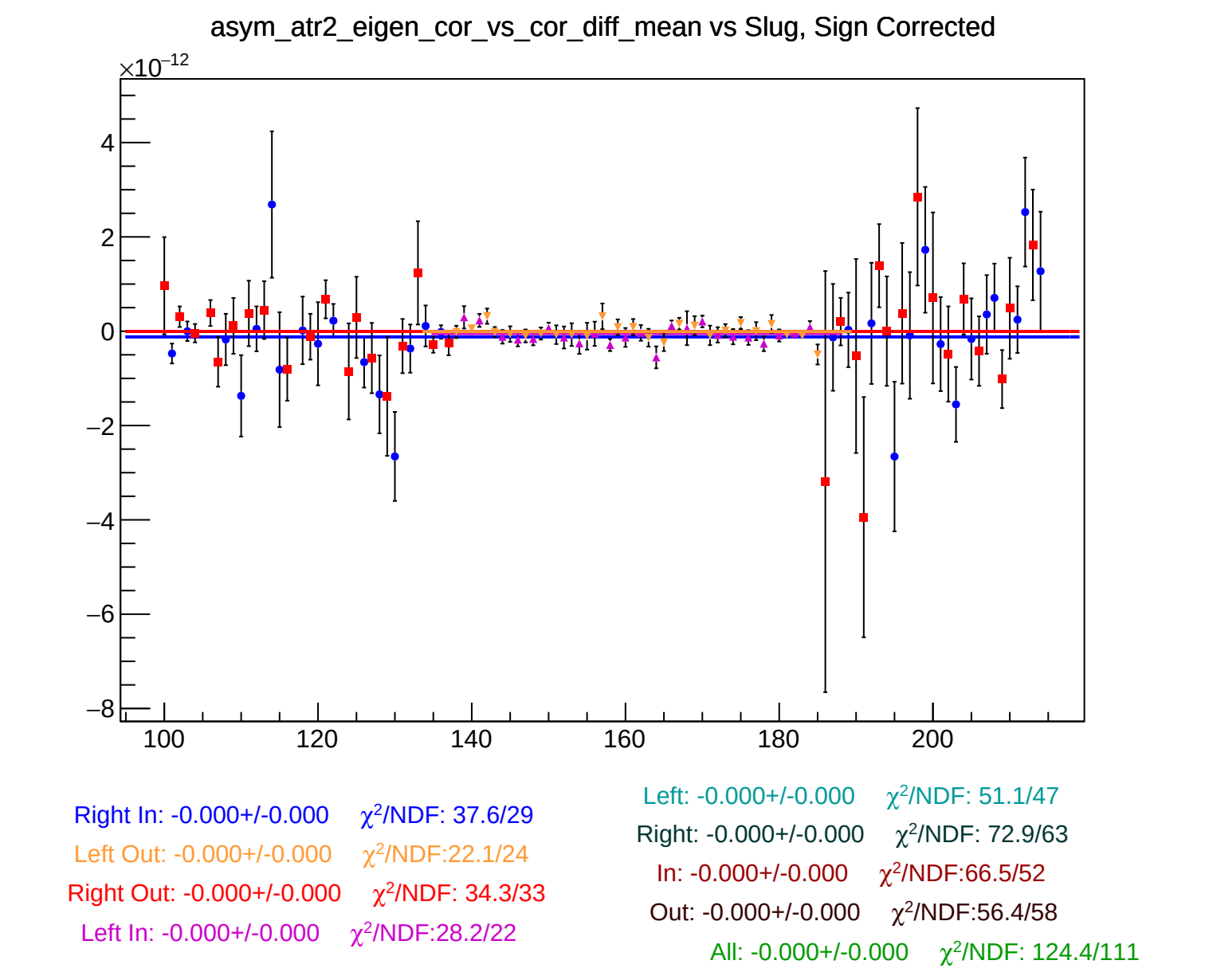
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

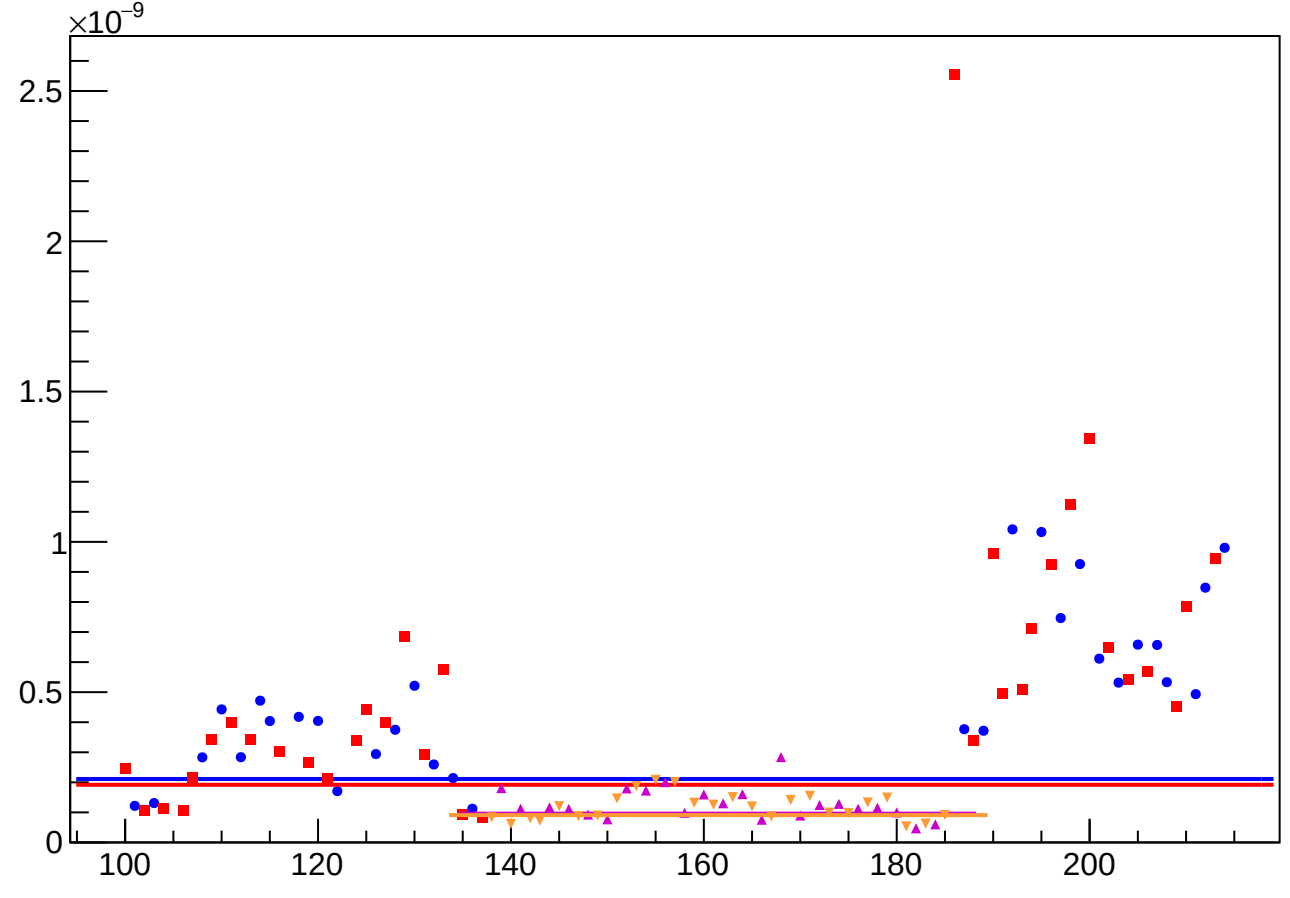
Right: 355.793+/-0.045 χ^2/NDF: 8354379.3/63

In: 434.499+/-0.055 χ^2/NDF:6412010.0/52

Out: 396.801+/-0.051 χ^2/NDF:11594751.9/58

All: 414.328+/-0.037 χ^2/NDF: 18262609.5/11


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 37.6/29
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.3/33
Left In: -0.000+/-0.000 χ²/NDF:28.2/22
Left: -0.000+/-0.000 χ²/NDF: 51.1/47
Right: -0.000+/-0.000 χ²/NDF: 72.9/63
In: -0.000+/-0.000 χ²/NDF:66.5/52
Out: -0.000+/-0.000 χ²/NDF:56.4/58
All: -0.000+/-0.000 χ²/NDF: 124.4/111



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

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

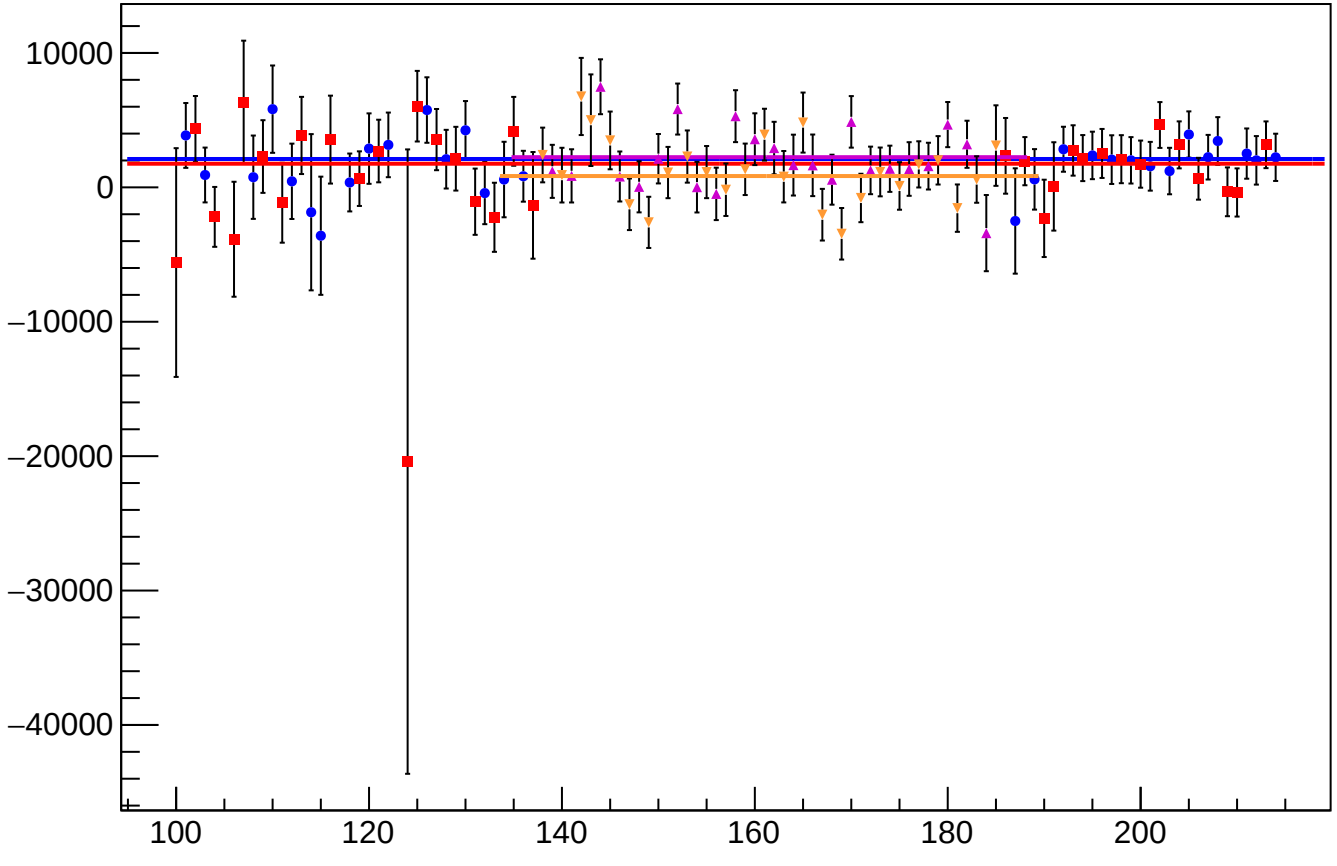
Right: 0.000+/-0.000 χ^2/NDF: 18876610.8/63

In: 0.000+/-0.000 χ^2/NDF:16181687.9/52

Out: 0.000+/-0.000 χ^2/NDF:16277562.2/58

All: 0.000+/-0.000 χ^2/NDF: 32520530.3/111

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

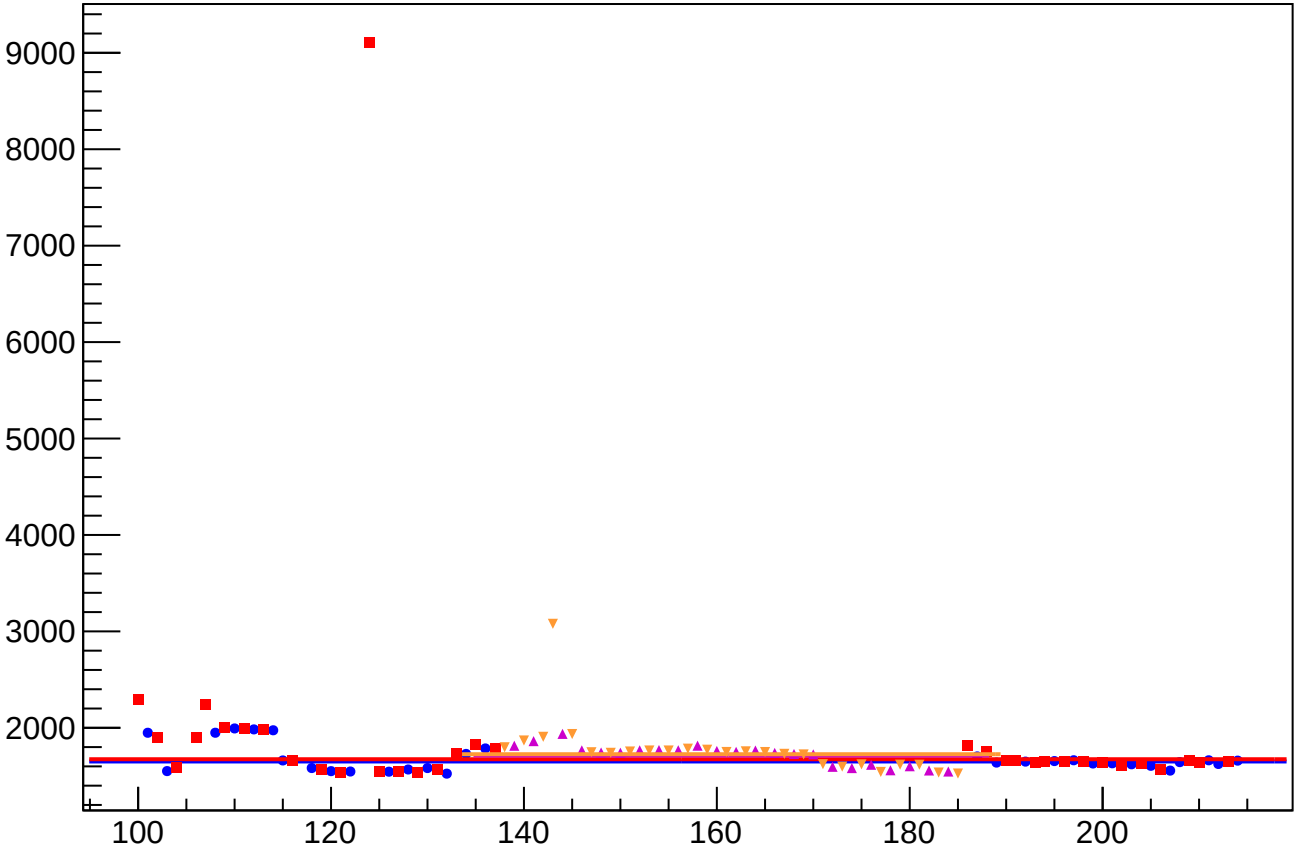
Right: 1935.046+/-273.568 χ^2/NDF: 45.3/63

In: 2175.515+/-278.230 χ^2/NDF:44.6/52

Out: 1308.664+/-276.312 χ^2/NDF:62.9/58

All: 1739.092+/-196.057 χ^2/NDF: 112.4/111

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

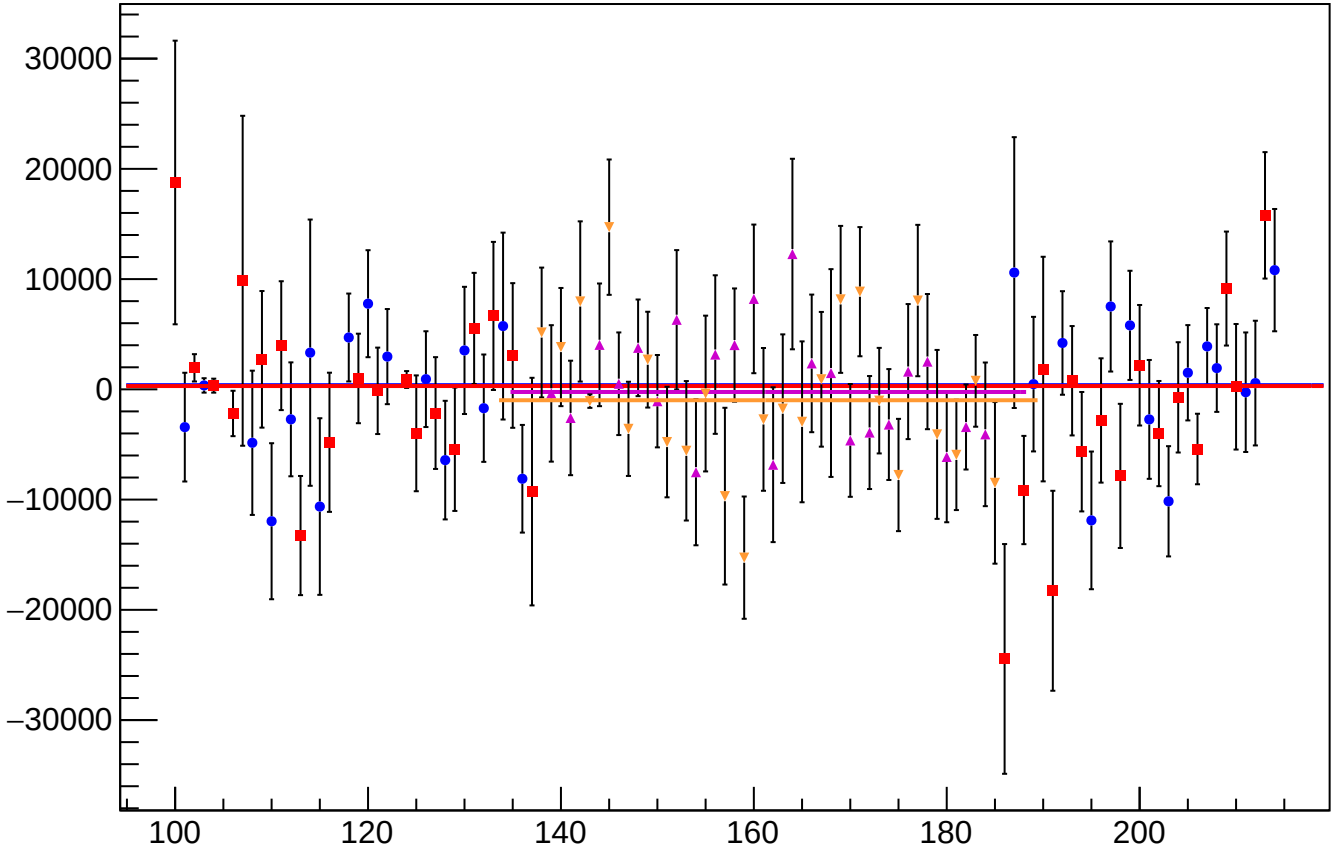
Right: 1662.492+/-0.193 χ^2/NDF: 578231.5/63

In: 1680.903+/-0.197 χ^2/NDF:309713.5/52

Out: 1699.546+/-0.195 χ^2/NDF:891856.7/58

All: 1690.297+/-0.139 χ^2/NDF: 1206094.9/11

asym_atl_avg_reg_correction_mean vs Slug, Sign Corrected



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

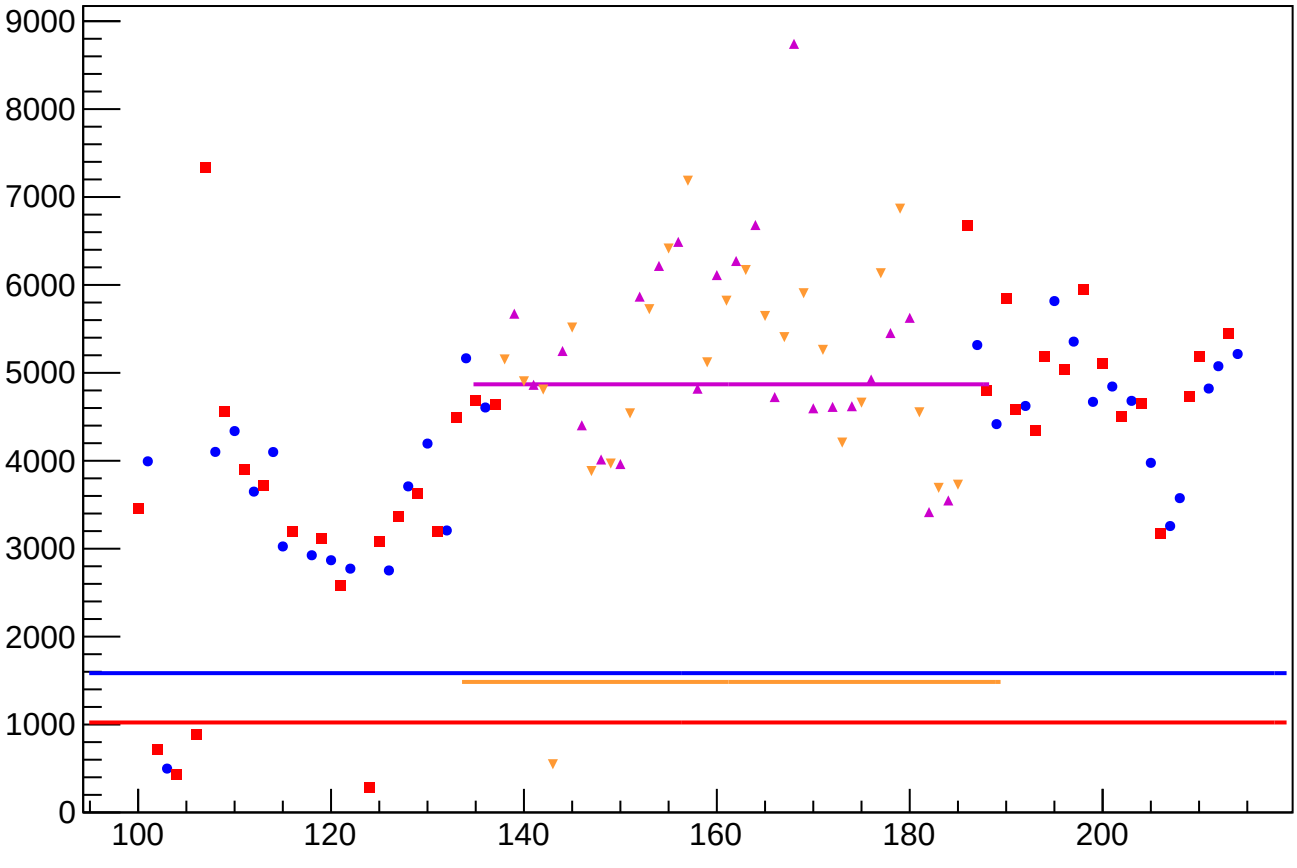
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 327.762+/-325.119 χ^2/NDF: 83.2/63

In: 268.240+/-491.507 χ^2/NDF:47.2/52

Out: -164.427+/-324.933 χ^2/NDF:84.3/58

All: -32.841+/-271.056 χ^2/NDF: 132.0/111



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

Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

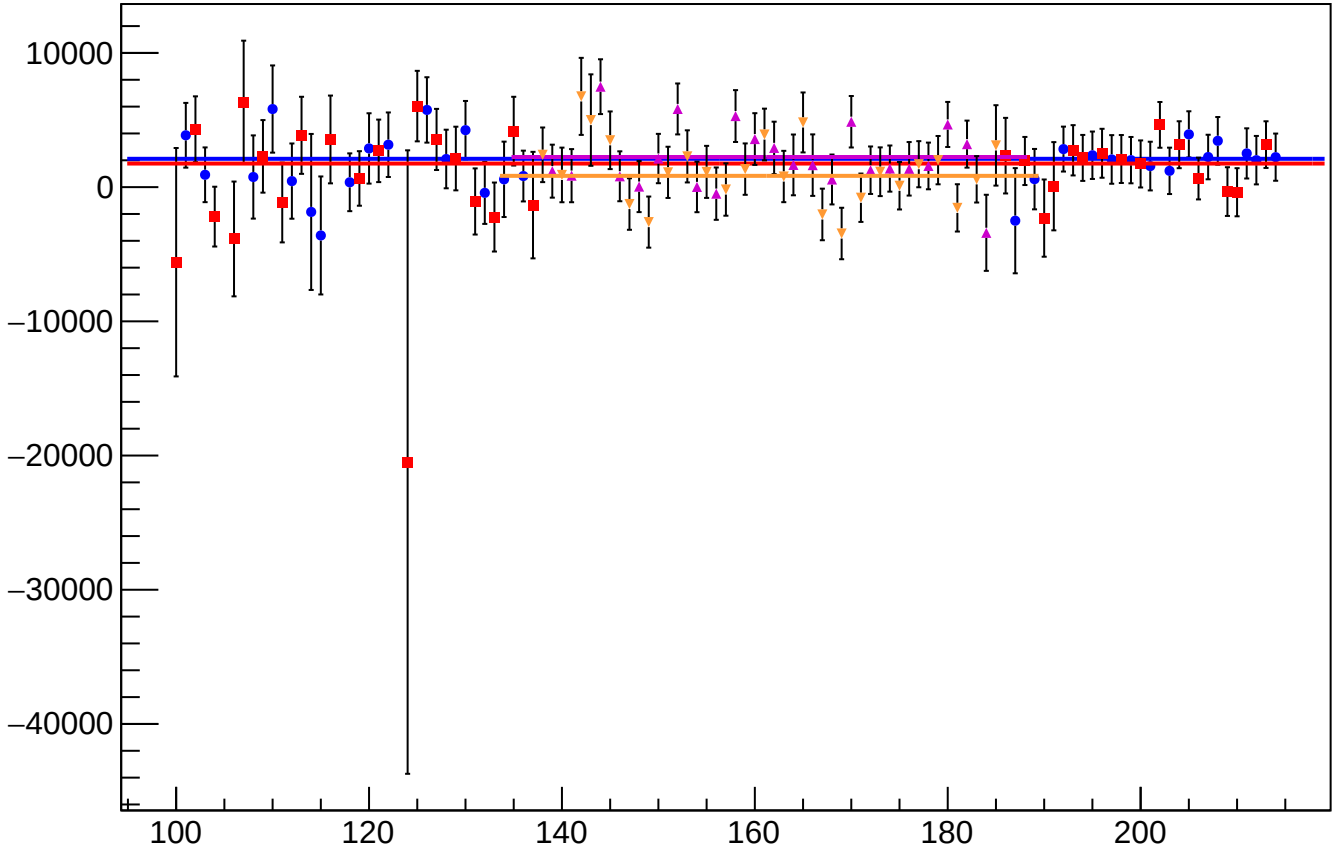
Right: 1225.208+/-0.230 χ^2/NDF: 44586049.0/63

In: 2169.177+/-0.348 χ^2/NDF:33704891.9/52

Out: 1189.613+/-0.230 χ^2/NDF:48209724.7/58

All: 1487.526+/-0.192 χ^2/NDF: 87442579.5/1

cor_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

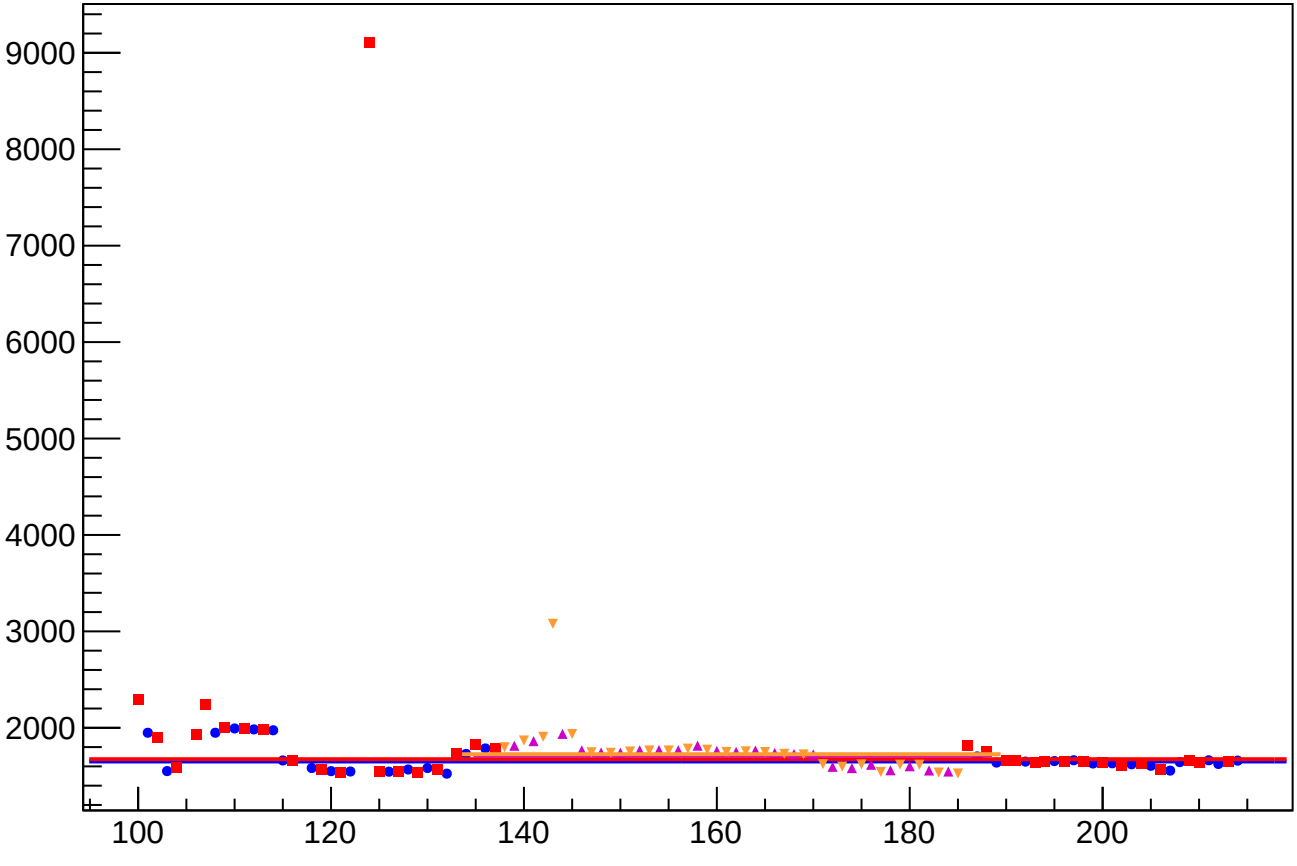
Right: 1934.642+/-273.569 χ^2/NDF: 45.3/63

In: 2175.557+/-278.230 χ^2/NDF:44.6/52

Out: 1308.214+/-276.313 χ^2/NDF:62.9/58

All: 1738.887+/-196.057 χ^2/NDF: 112.4/111

cor_asym_atl_avg_rms vs Slug, Sign Corrected



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

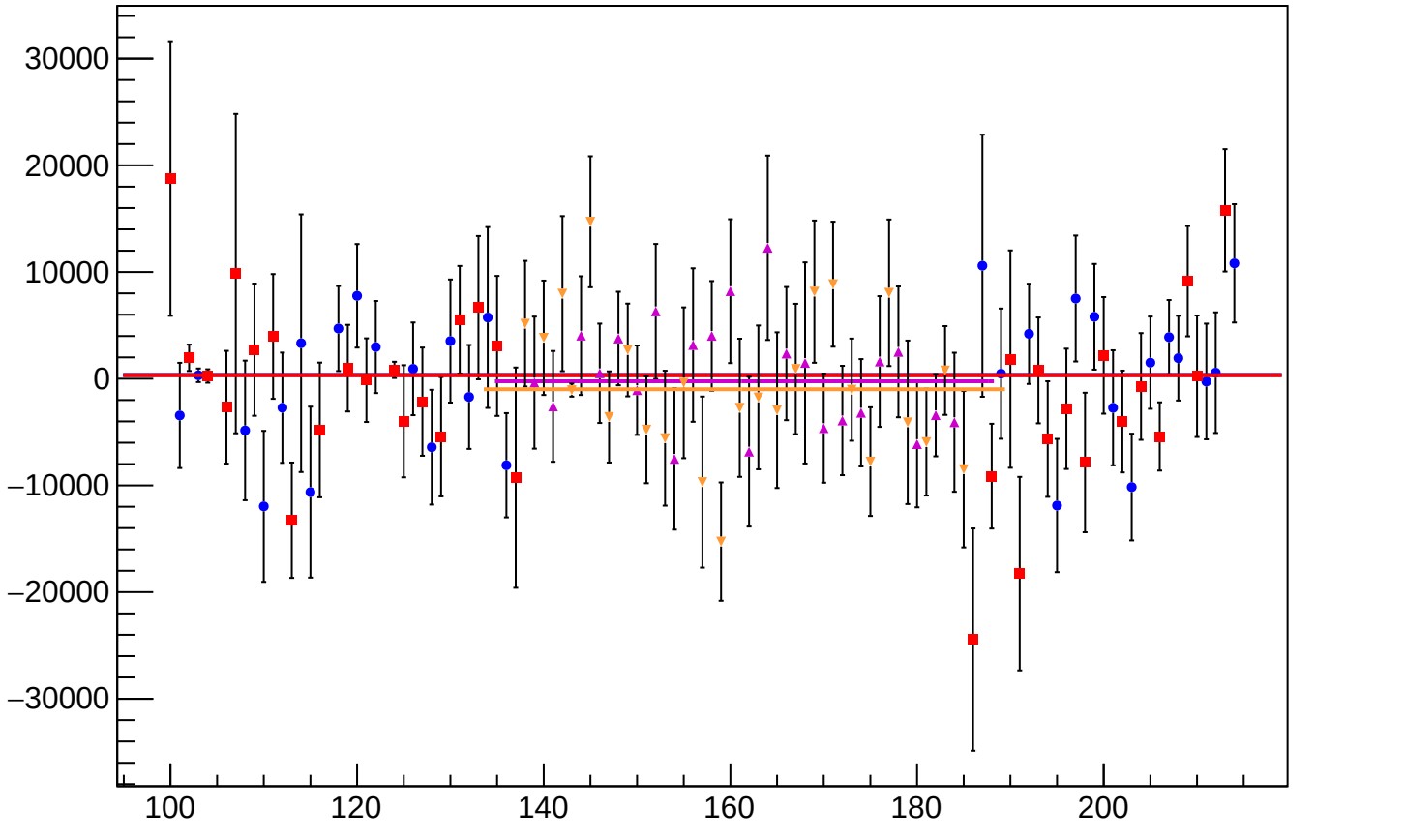
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

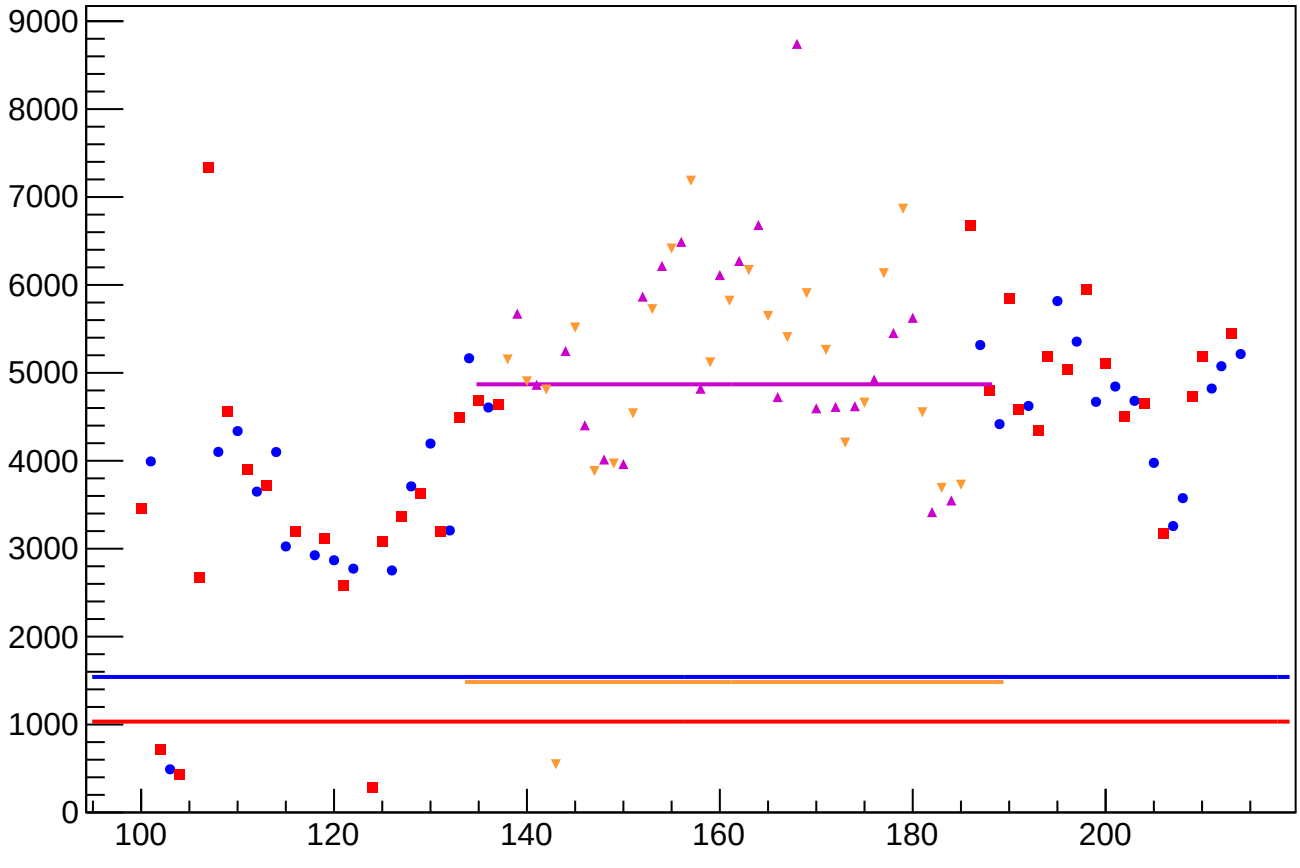
Right: 1662.635+/-0.193 χ^2/NDF: 580417.8/63

In: 1680.903+/-0.197 χ^2/NDF:309713.5/52

Out: 1699.698+/-0.195 χ^2/NDF:893753.9/58

All: 1690.373+/-0.139 χ^2/NDF: 1208065.9/11


asym_atl_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 352.547+/-532.639 χ²/NDF: 33.4/29
Left Out: -987.291+/-541.232 χ²/NDF:30.8/24
Right Out: 330.687+/-411.395 χ²/NDF: 48.6/33
Left In: -239.478+/-1165.045 χ²/NDF:13.5/22
Left: -854.550+/-490.851 χ²/NDF: 44.7/47
Right: 338.855+/-325.587 χ²/NDF: 82.0/63
In: 250.197+/-484.414 χ²/NDF:47.2/52
Out: -151.946+/-327.520 χ²/NDF:83.2/58
All: -25.786+/-271.324 χ²/NDF: 130.8/111



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

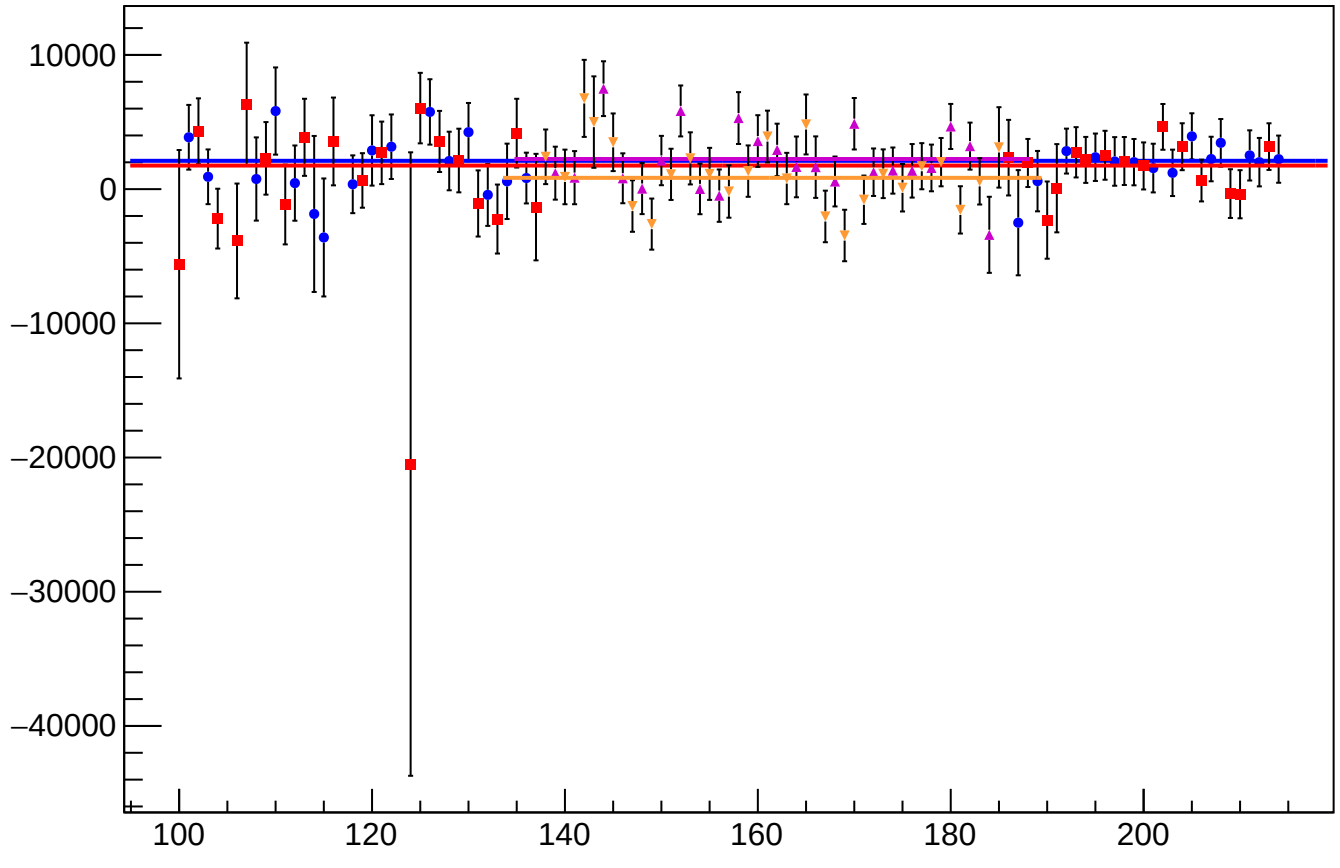
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1223.182+/-0.230 χ^2/NDF: 44945669.4/63

In: 2116.622+/-0.343 χ^2/NDF:34496602.9/52

Out: 1198.632+/-0.232 χ^2/NDF:48393422.9/58

All: 1486.624+/-0.192 χ^2/NDF: 87819188.5/



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

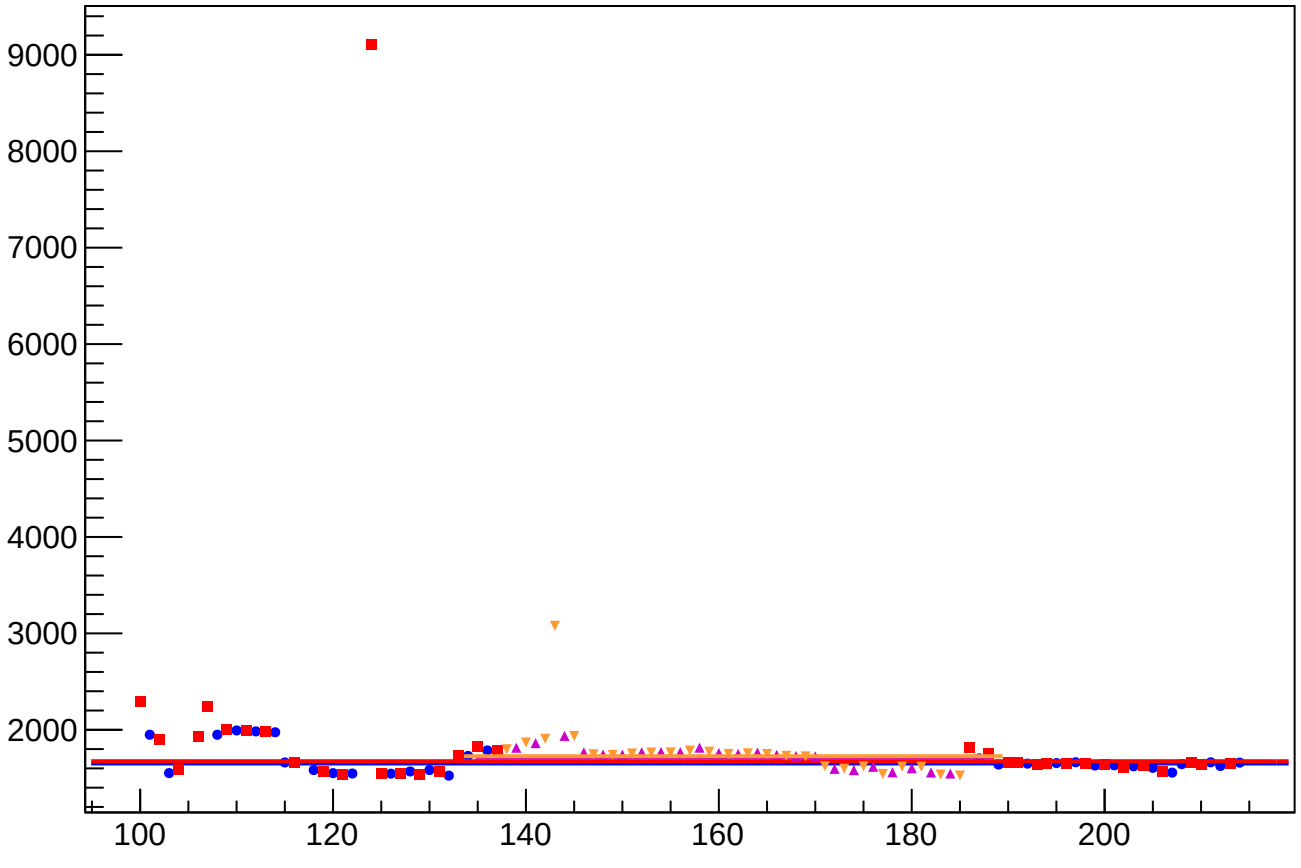
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1934.642+/-273.569 χ^2/NDF: 45.3/63

In: 2175.557+/-278.230 χ^2/NDF:44.6/52

Out: 1308.214+/-276.313 χ^2/NDF:62.9/58

All: 1738.887+/-196.057 χ^2/NDF: 112.4/111



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

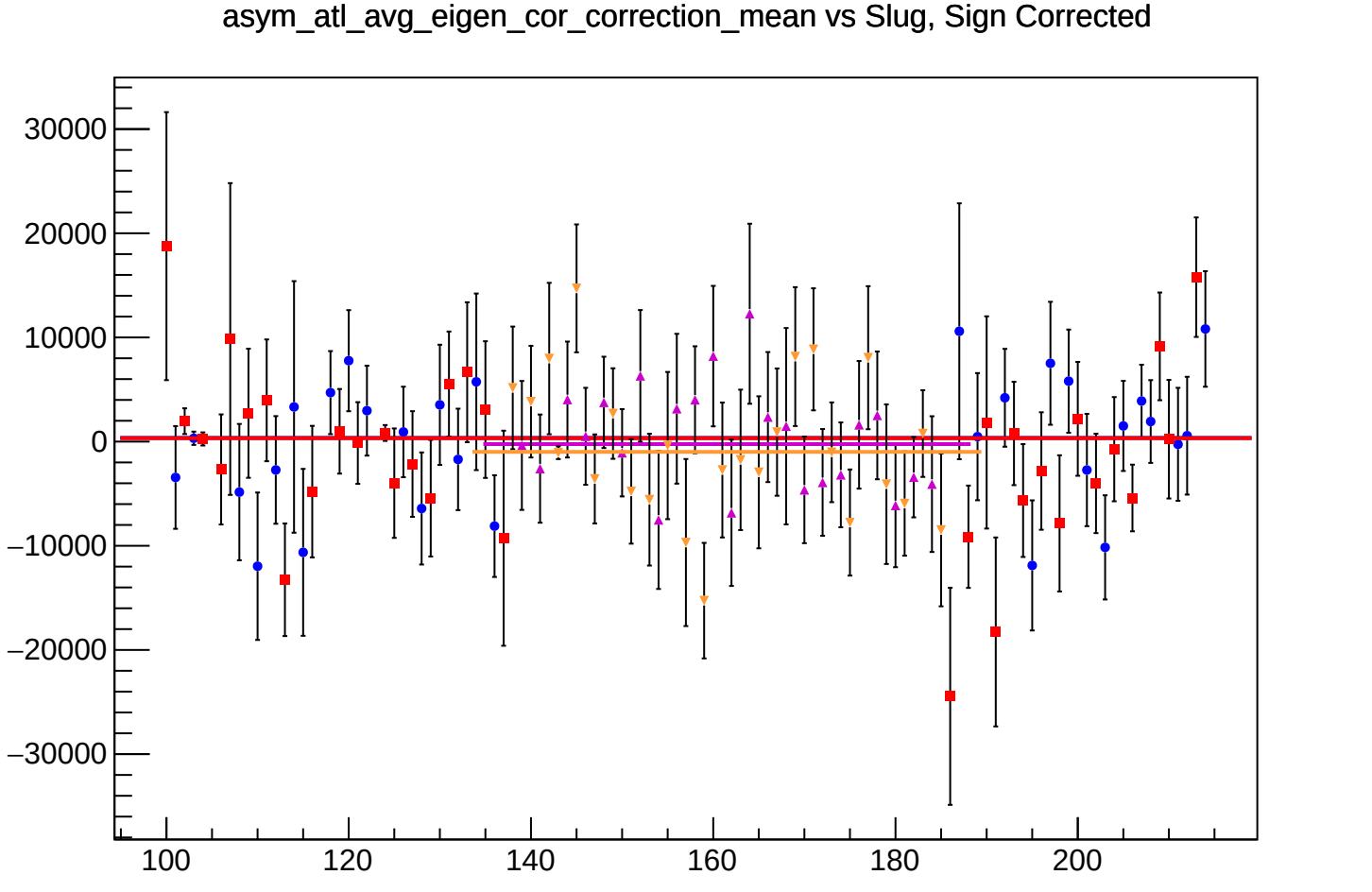
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

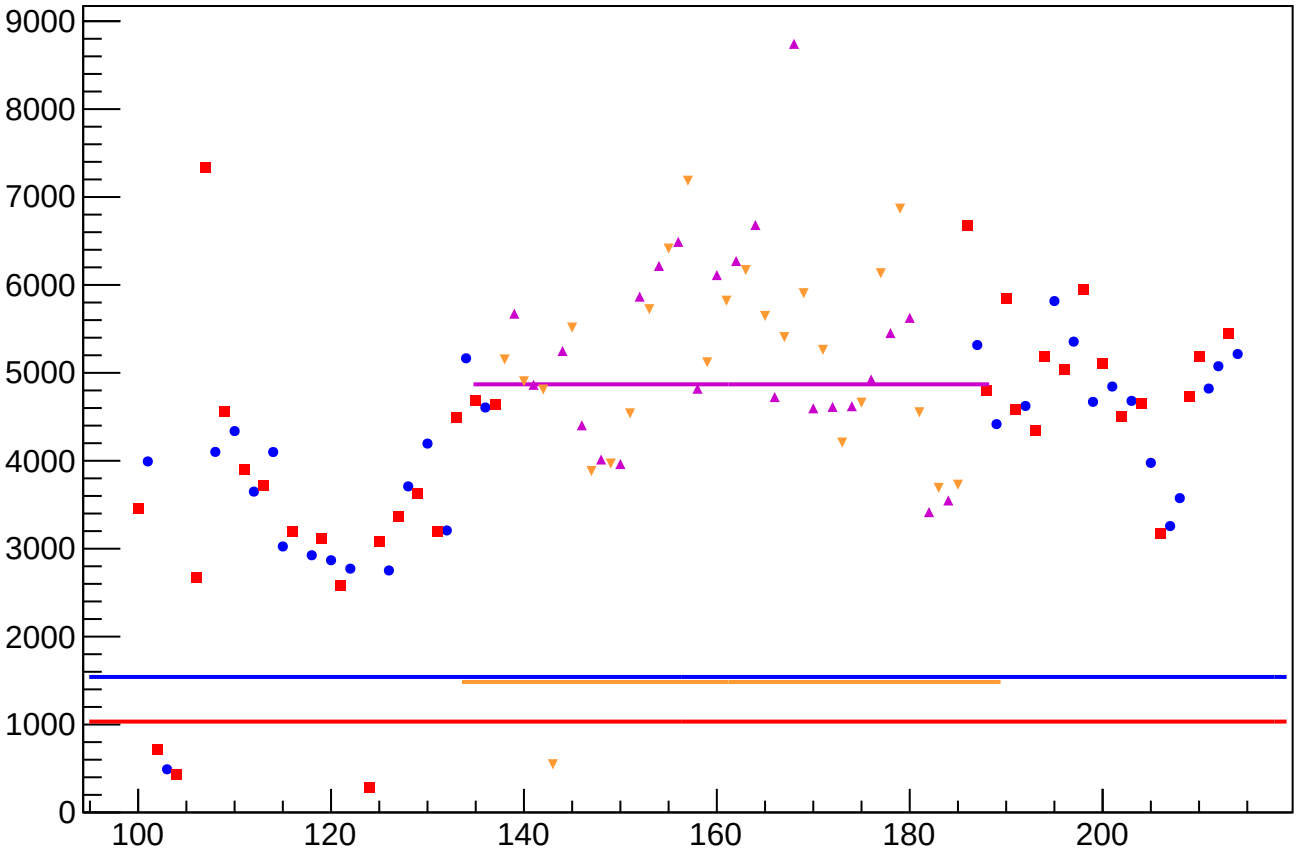
Right: 1662.635+/-0.193 χ^2/NDF: 580417.8/63

In: 1680.903+/-0.197 χ^2/NDF:309713.5/52

Out: 1699.698+/-0.195 χ^2/NDF:893753.9/58

All: 1690.373+/-0.139 χ^2/NDF: 1208065.9/11


asym_atl_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 352.547+/-532.639 χ²/NDF: 33.4/29
Left Out: -987.291+/-541.232 χ²/NDF:30.8/24
Right Out: 330.687+/-411.395 χ²/NDF: 48.6/33
Left In: -239.478+/-1165.045 χ²/NDF:13.5/22
Left: -854.550+/-490.851 χ²/NDF: 44.7/47
Right: 338.855+/-325.587 χ²/NDF: 82.0/63
In: 250.197+/-484.414 χ²/NDF:47.2/52
Out: -151.946+/-327.520 χ²/NDF:83.2/58
All: -25.786+/-271.324 χ²/NDF: 130.8/111



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

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

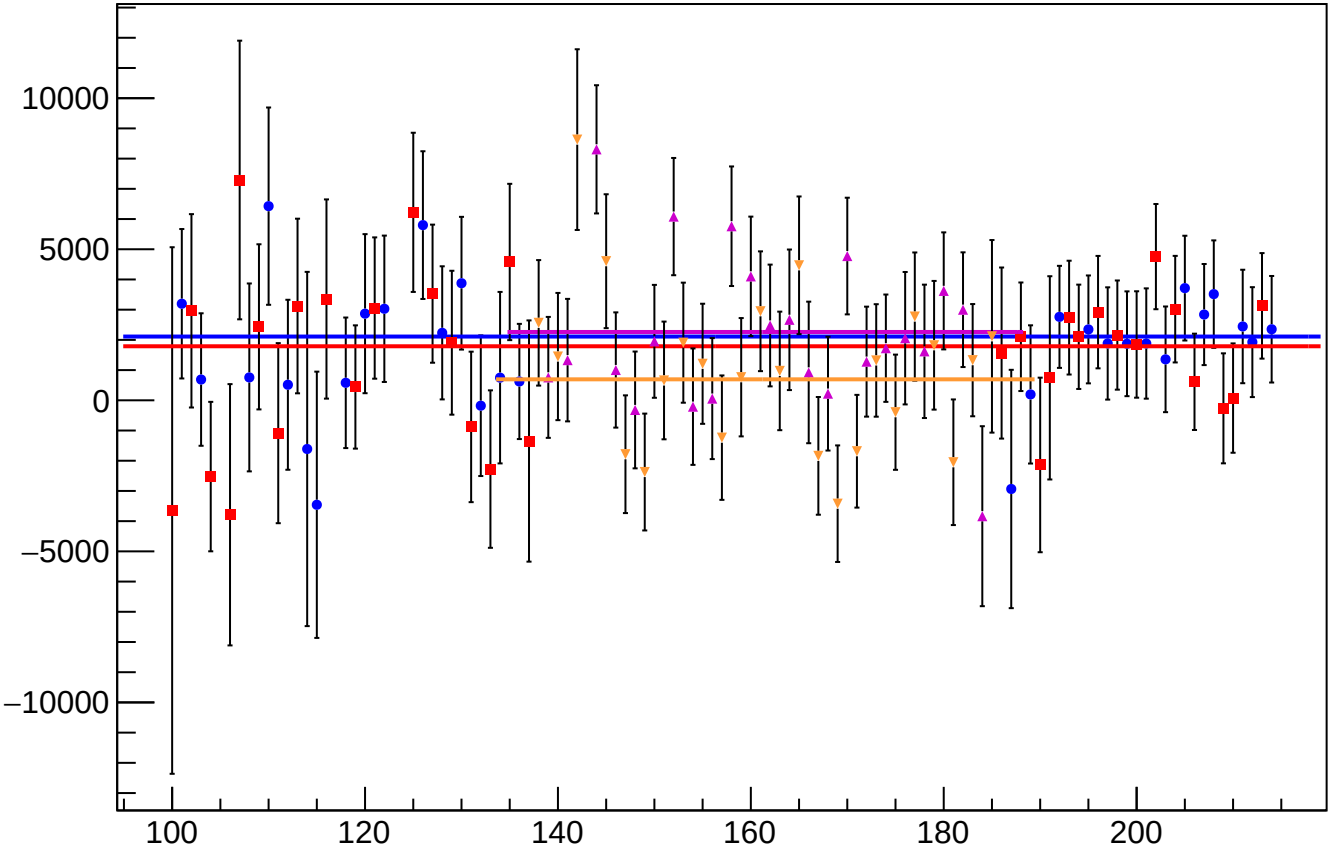
Right: 1223.182+/-0.230 χ^2/NDF: 44945669.4/63

In: 2116.622+/-0.343 χ^2/NDF:34496602.9/52

Out: 1198.632+/-0.232 χ^2/NDF:48393422.9/58

All: 1486.624+/-0.192 χ^2/NDF: 87819188.5/1

dit_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

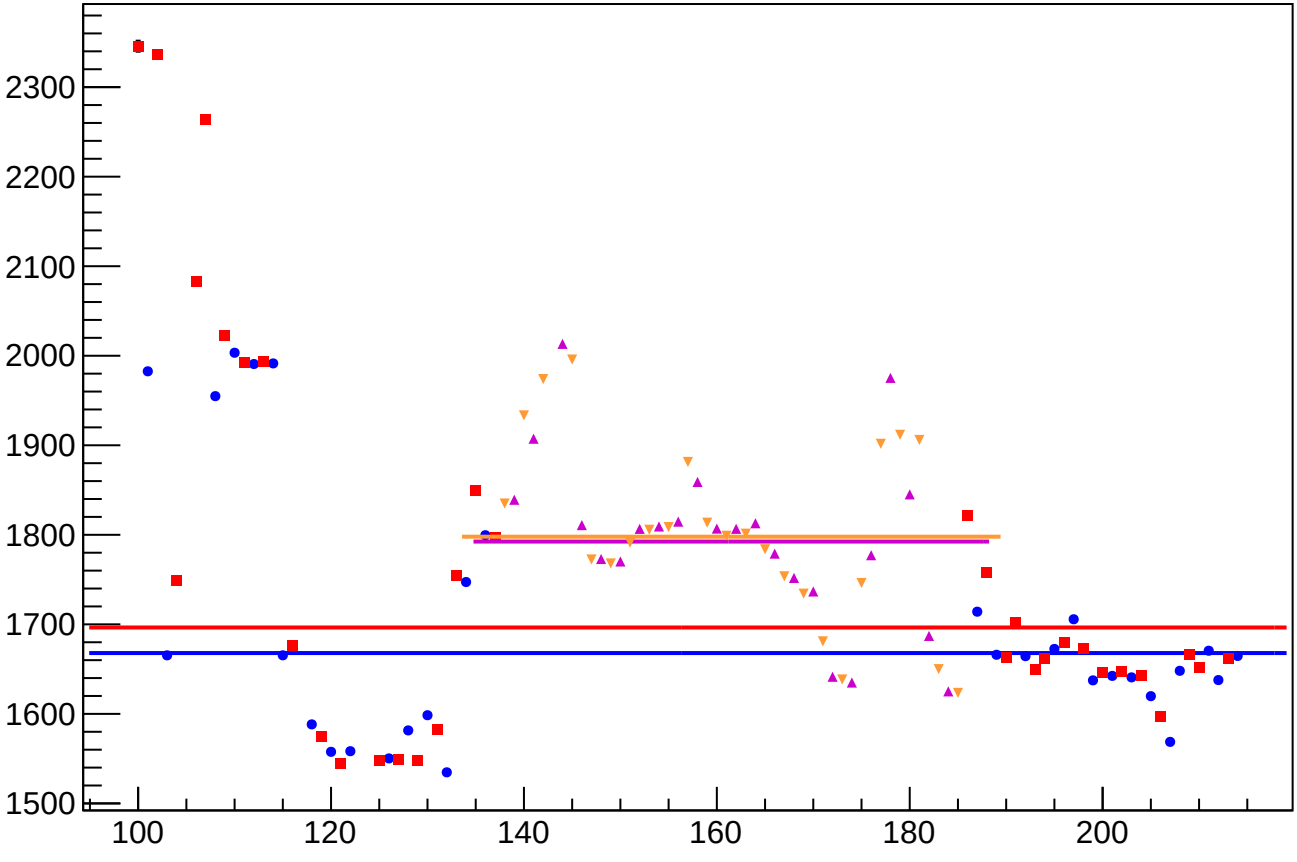
Right: 1950.899+/-277.389 χ^2/NDF: 42.1/62

In: 2180.851+/-285.807 χ^2/NDF:45.3/52

Out: 1274.017+/-286.682 χ^2/NDF:62.8/56

All: 1728.820+/-202.405 χ^2/NDF: 113.1/109

dit_asym_atl_avg_rms vs Slug, Sign Corrected



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

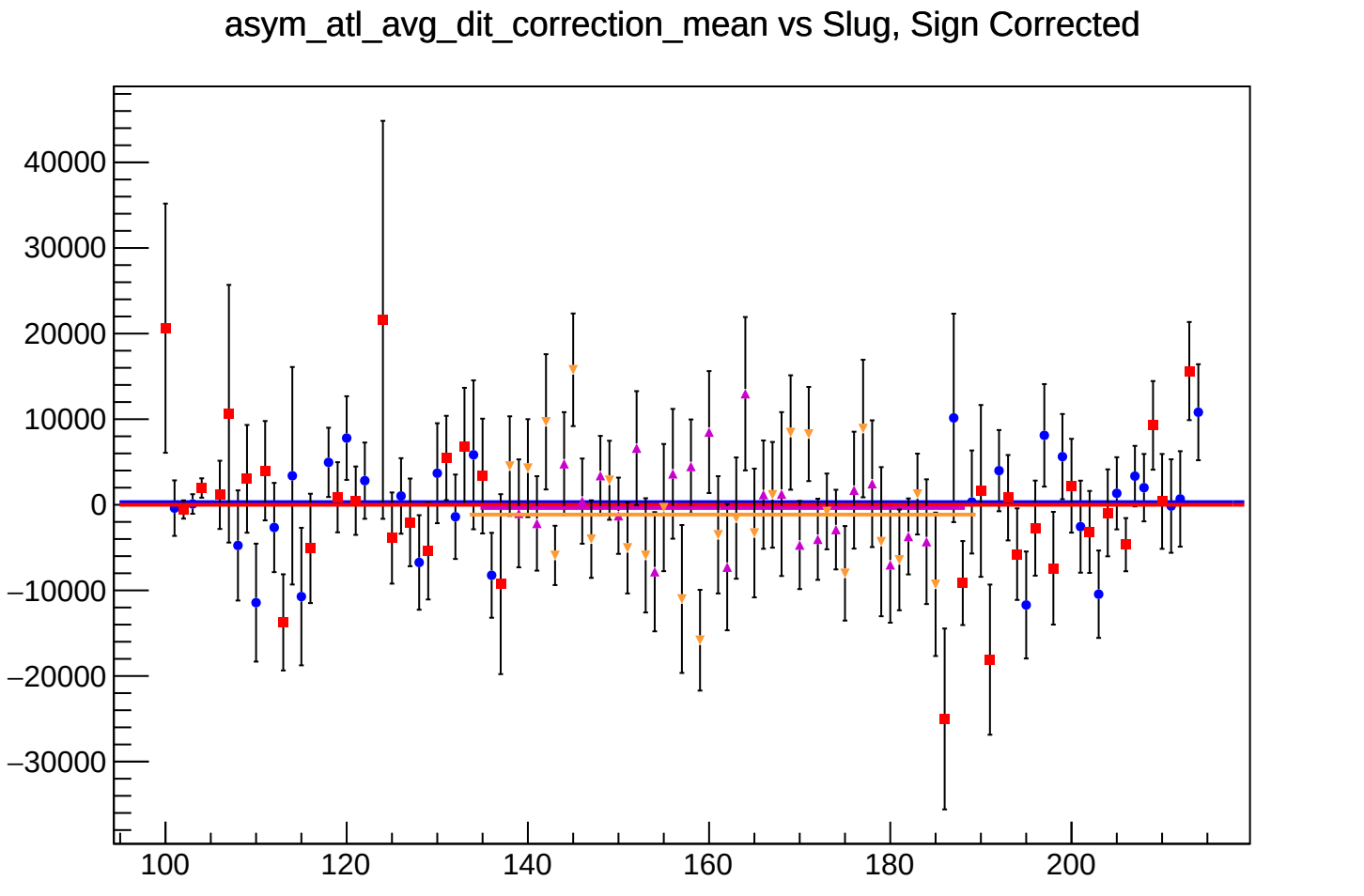
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

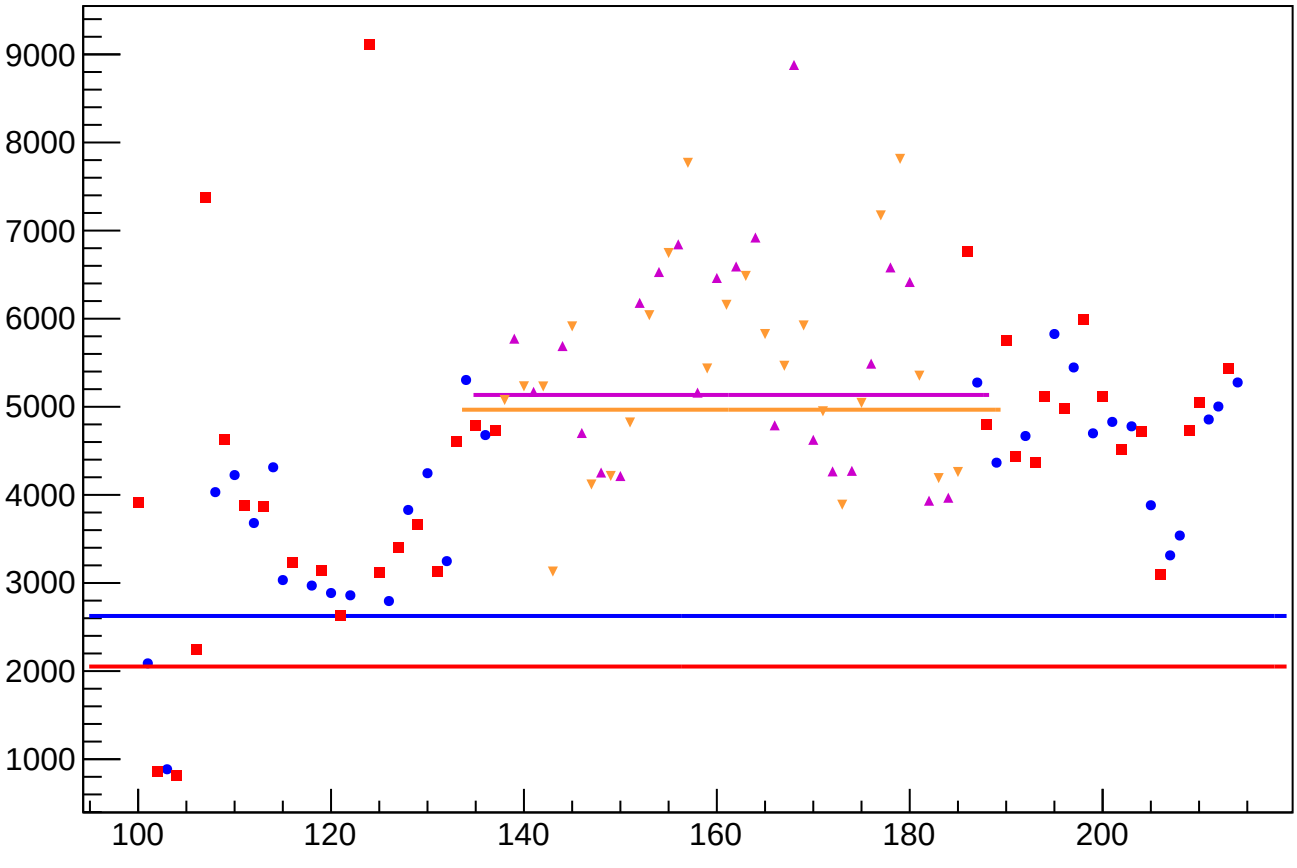
Right: 1682.107+/-0.196 χ^2/NDF: 444618.2/62

In: 1725.820+/-0.202 χ^2/NDF:339920.2/52

Out: 1744.142+/-0.203 χ^2/NDF:447113.2/56

All: 1734.957+/-0.143 χ^2/NDF: 791132.3/109


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 312.353+/-730.841 χ²/NDF: 32.3/29
Left Out: -1144.405+/-1164.458 χ²/NDF:32.6/24
Right Out: -1.414+/-609.515 χ²/NDF: 48.5/33
Left In: -374.927+/-1228.699 χ²/NDF:13.3/22
Left: -780.307+/-845.195 χ²/NDF: 46.0/47
Right: 127.299+/-468.091 χ²/NDF: 81.0/63
In: 132.741+/-628.125 χ²/NDF:45.9/52
Out: -247.224+/-540.011 χ²/NDF:81.9/58
All: -85.741+/-409.485 χ²/NDF: 127.9/111



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

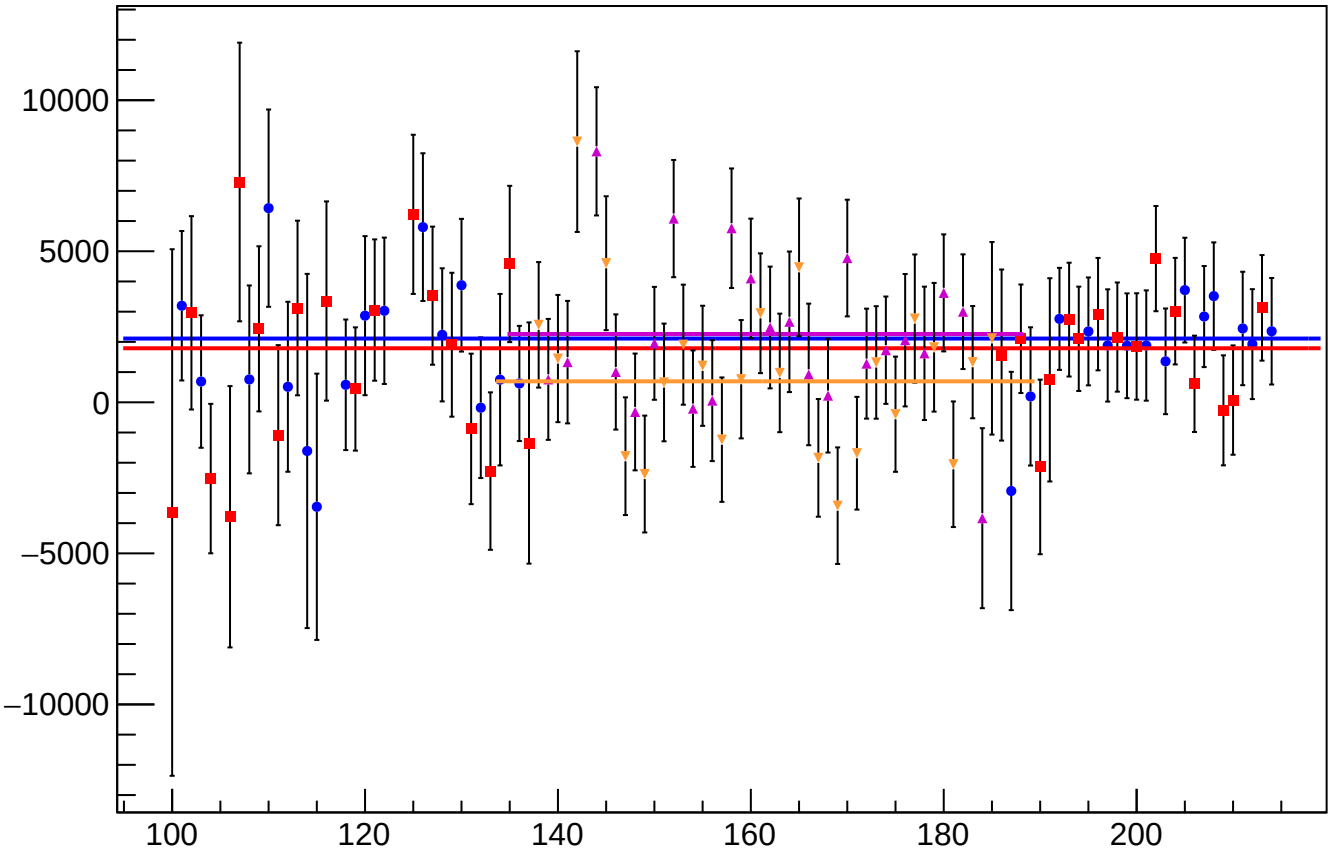
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2287.186+/-0.331 χ^2/NDF: 25908552.2/63

In: 3281.320+/-0.444 χ^2/NDF:17661618.6/52

Out: 2678.670+/-0.382 χ^2/NDF:26922028.9/58

All: 2934.794+/-0.290 χ^2/NDF: 45642263.6/



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

Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

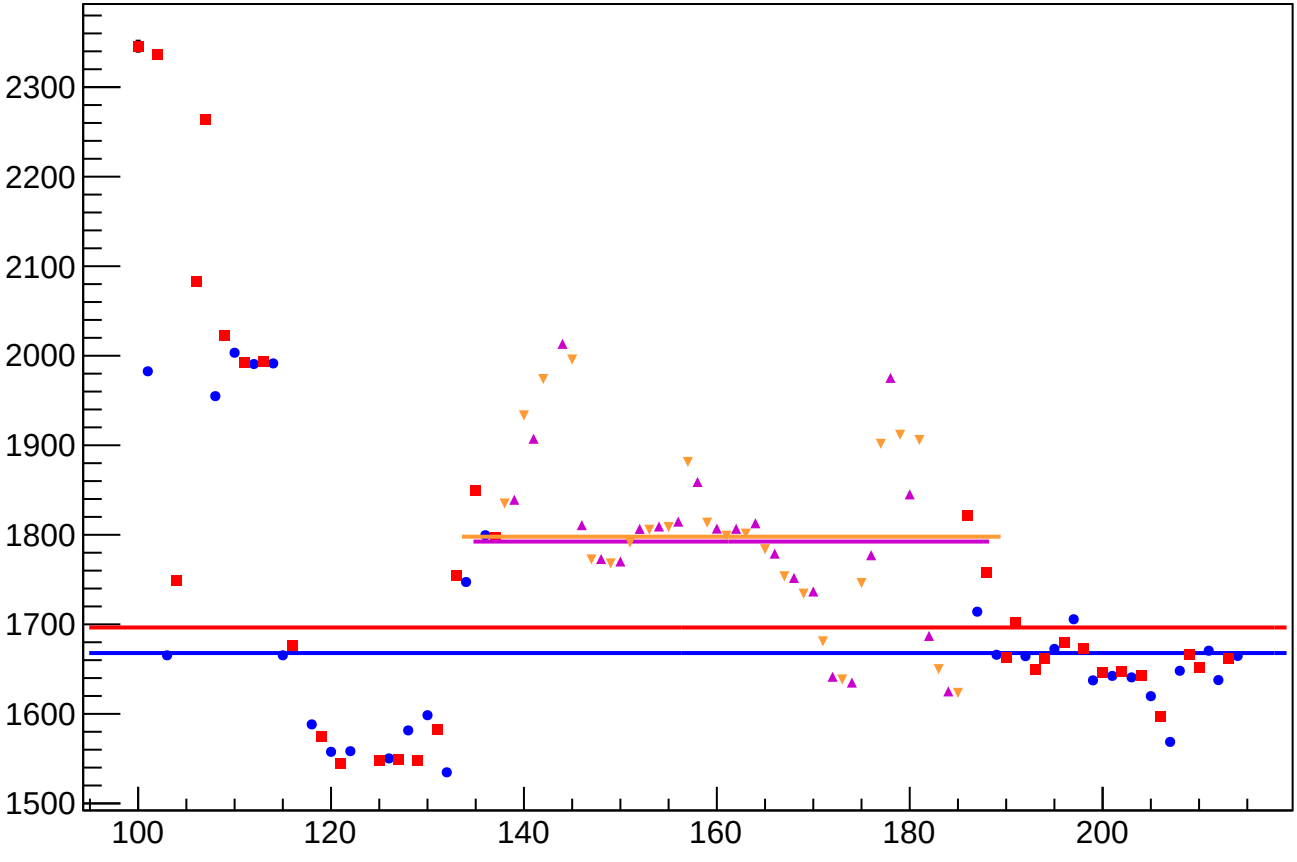
Right: 1950.897+/-277.389 χ^2/NDF: 42.1/62

In: 2180.850+/-285.807 χ^2/NDF:45.3/52

Out: 1274.014+/-286.682 χ^2/NDF:62.8/56

All: 1728.818+/-202.405 χ^2/NDF: 113.1/109

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



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

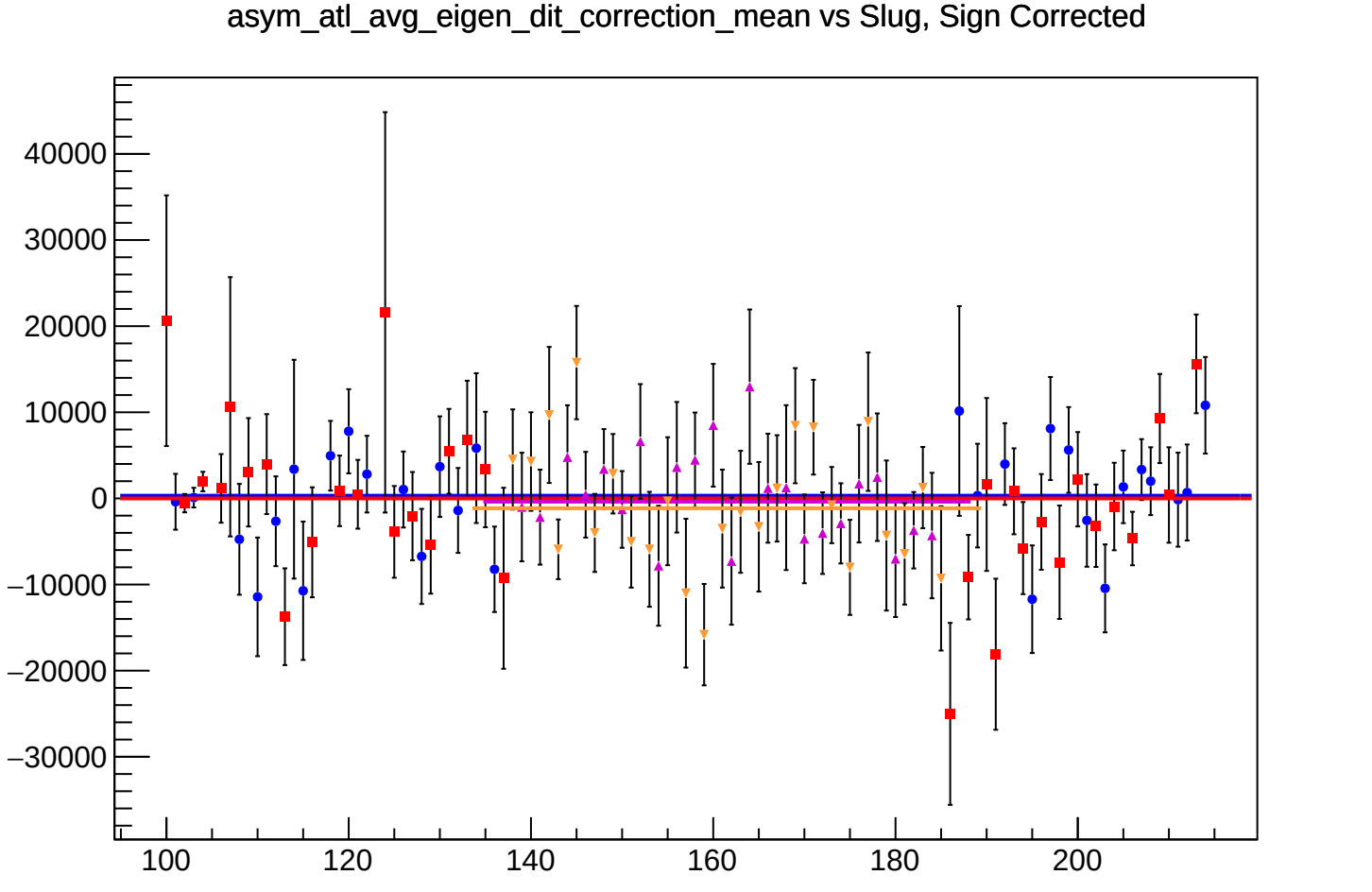
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1682.106+/-0.196 χ^2/NDF: 444617.8/62

In: 1725.820+/-0.202 χ^2/NDF:339925.7/52

Out: 1744.143+/-0.203 χ^2/NDF:447117.9/56

All: 1734.957+/-0.143 χ^2/NDF: 791142.6/109



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

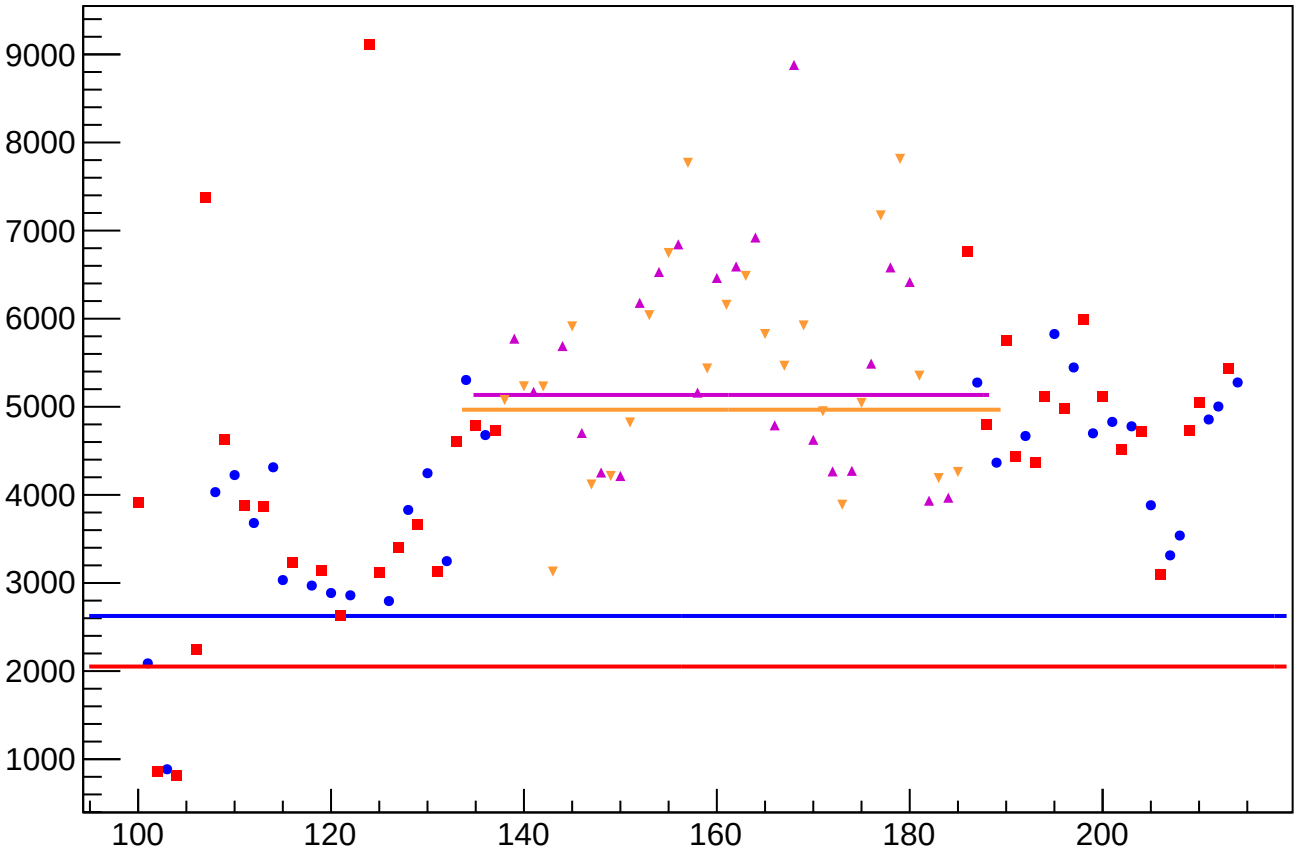
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: 127.302+/-468.089 χ^2/NDF: 81.0/63

In: 132.742+/-628.124 χ^2/NDF:45.9/52

Out: -247.219+/-540.009 χ^2/NDF:81.9/58

All: -85.737+/-409.484 χ^2/NDF: 127.9/111



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

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

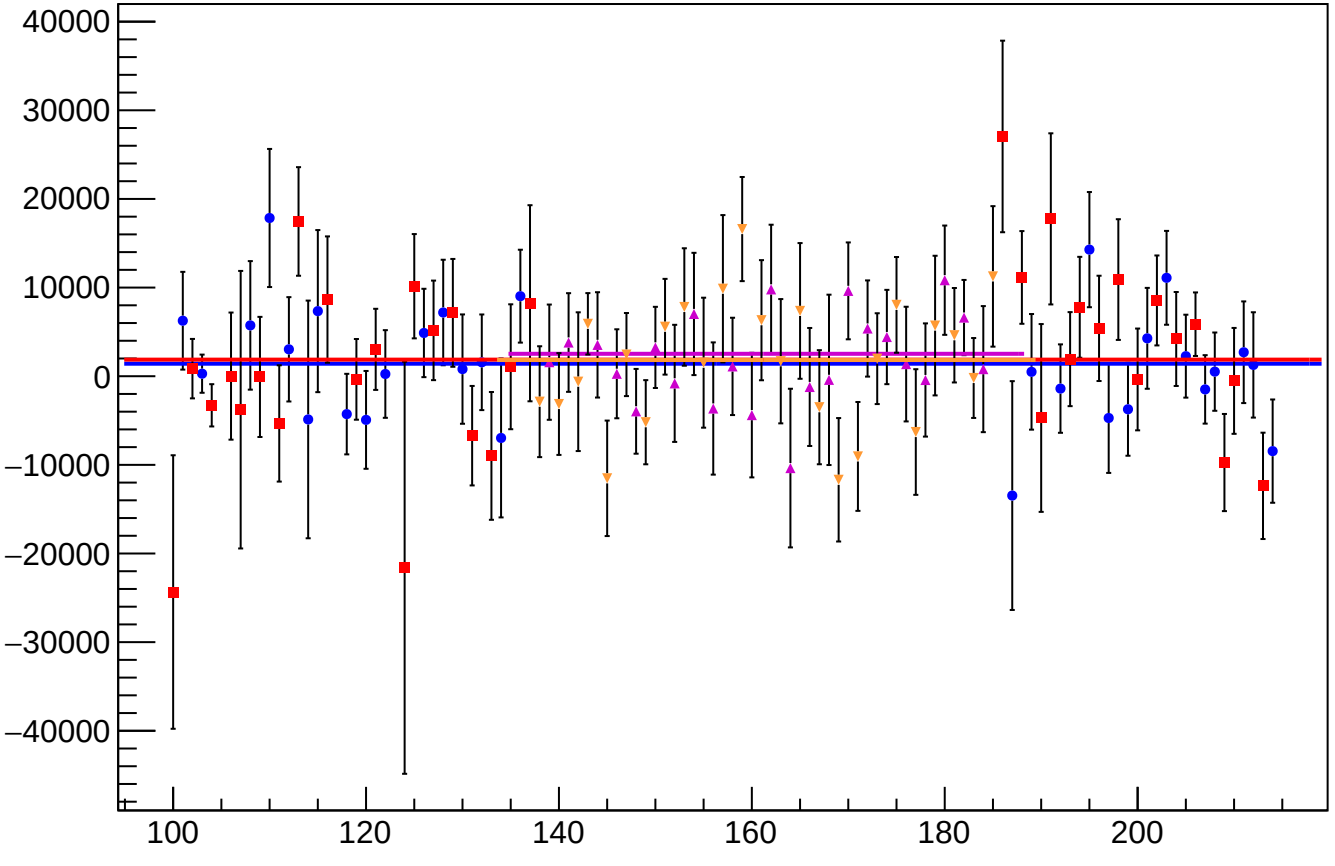
Right: 2287.168+/-0.331 χ^2/NDF: 25908852.9/63

In: 3281.304+/-0.444 χ^2/NDF:17661889.9/52

Out: 2678.650+/-0.382 χ^2/NDF:26922355.5/58

All: 2934.775+/-0.290 χ^2/NDF: 45642881.4/1

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

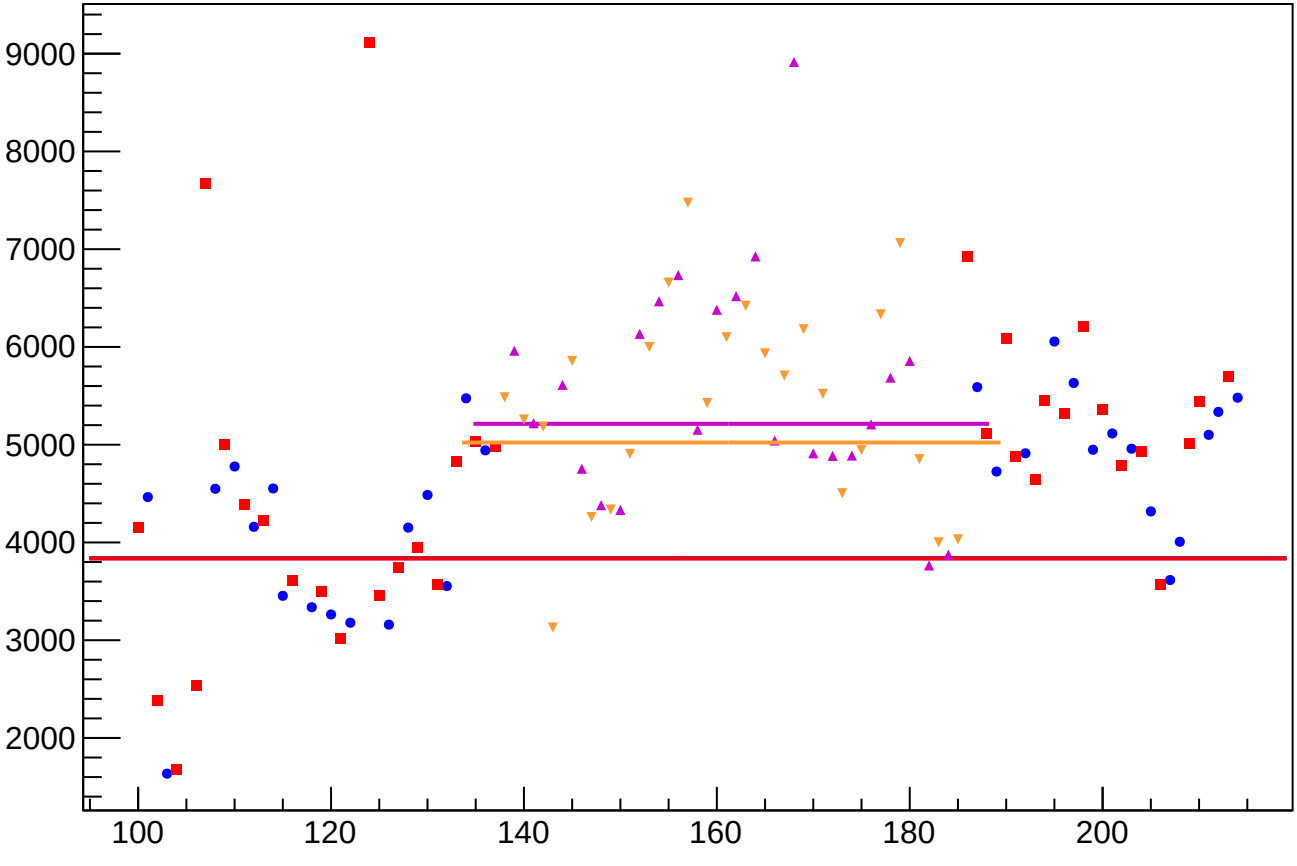
Right: 1640.864+/-673.140 χ^2/NDF: 83.1/63

In: 1824.461+/-755.164 χ^2/NDF:42.3/52

Out: 1853.496+/-739.414 χ^2/NDF:85.4/58

All: 1839.285+/-528.325 χ^2/NDF: 127.7/111

asym_atl_avg_rms vs Slug, Sign Corrected



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

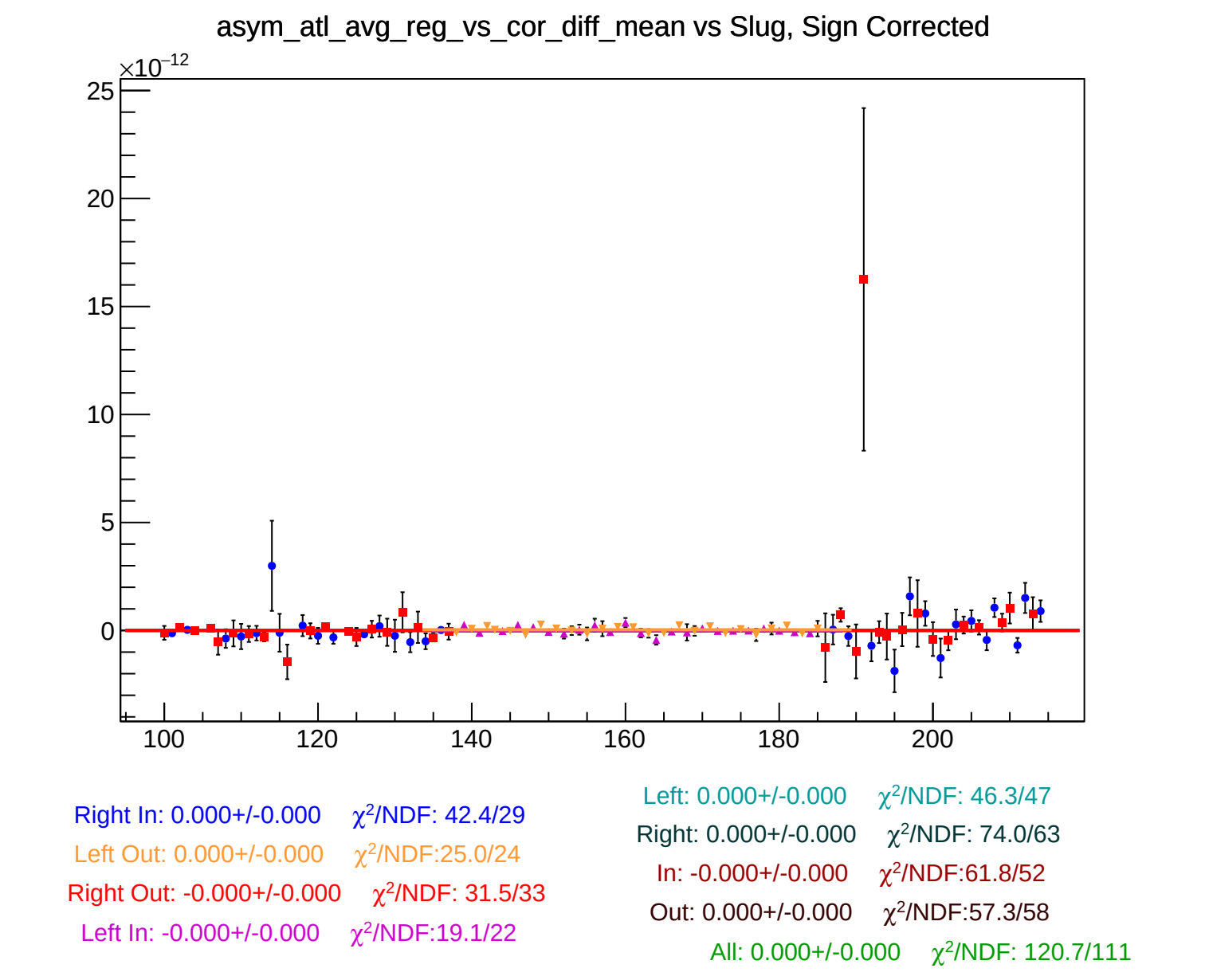
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

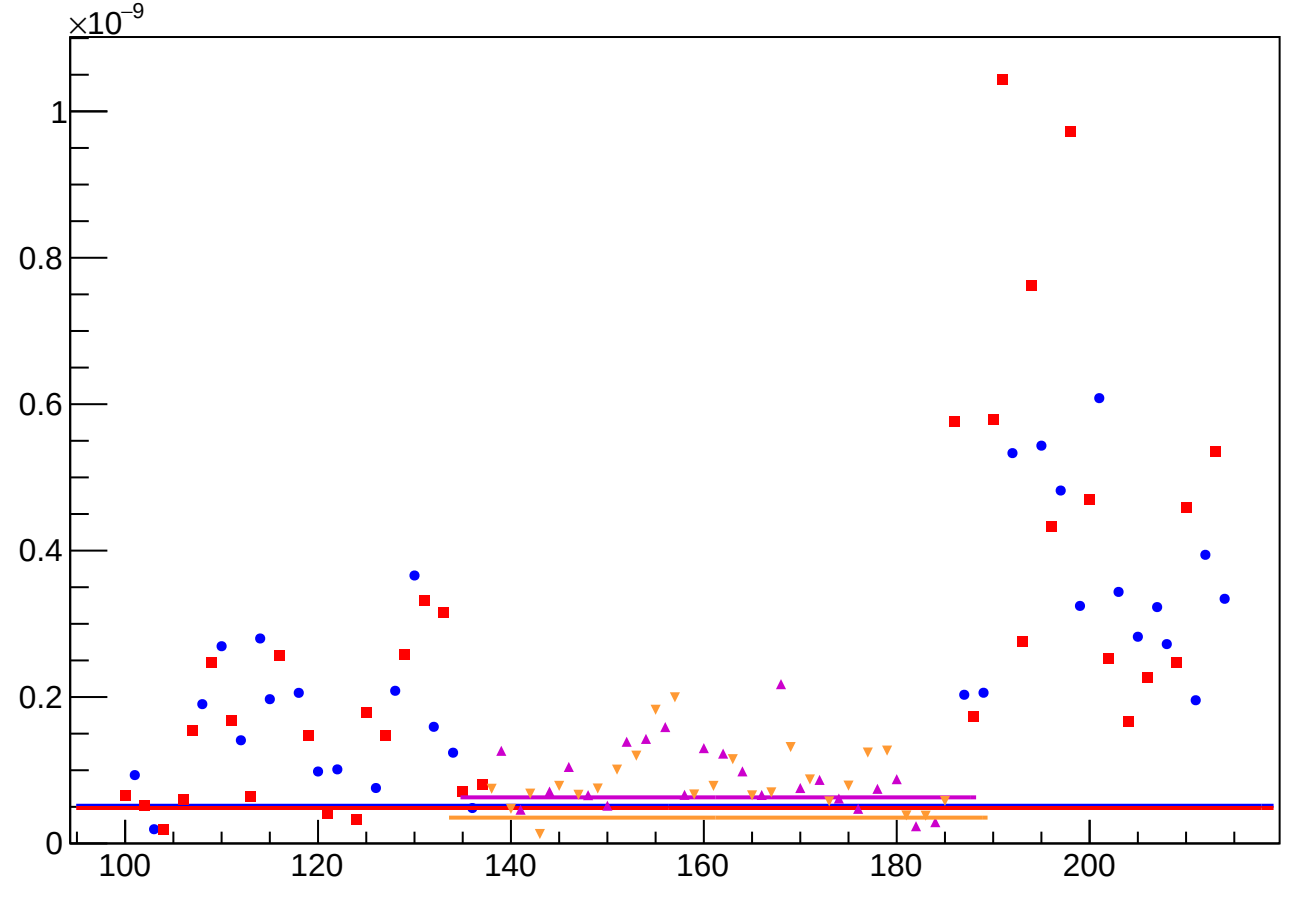
Right: 3837.515+/-0.474 χ^2/NDF: 8131588.3/63

In: 4346.993+/-0.534 χ^2/NDF:6519052.6/52

Out: 4302.749+/-0.520 χ^2/NDF:7298935.4/58

All: 4324.280+/-0.373 χ^2/NDF: 13821512.3/1


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 42.4/29
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.5/33
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 46.3/47
Right: 0.000+/-0.000 χ²/NDF: 74.0/63
In: -0.000+/-0.000 χ²/NDF:61.8/52
Out: 0.000+/-0.000 χ²/NDF:57.3/58
All: 0.000+/-0.000 χ²/NDF: 120.7/111



Right In: 0.000+/-0.000 χ^2/NDF: 10072243.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10052841.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

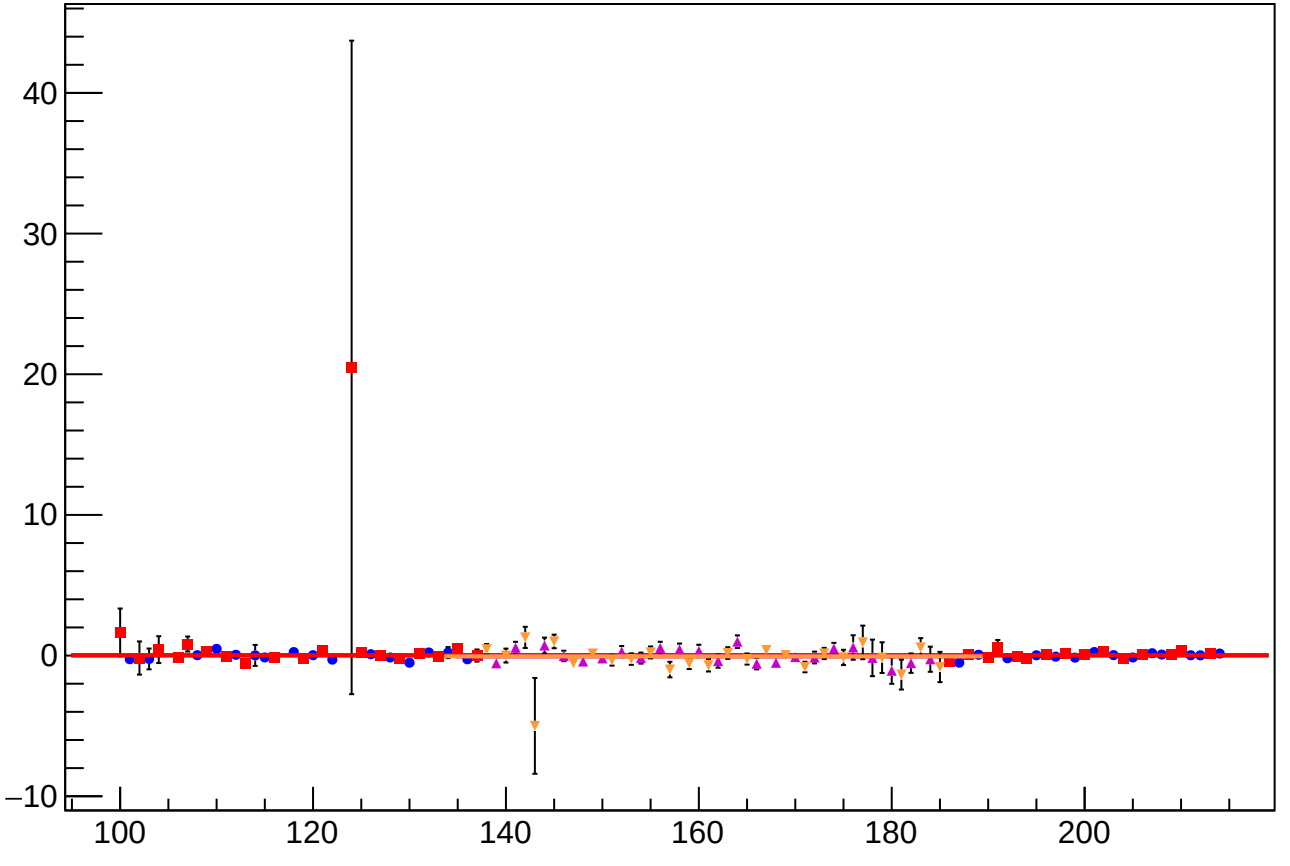
Right: 0.000+/-0.000 χ^2/NDF: 20133884.4/63

In: 0.000+/-0.000 χ^2/NDF:13148215.5/52

Out: 0.000+/-0.000 χ^2/NDF:16822361.9/58

All: 0.000+/-0.000 χ^2/NDF: 31074213.1/111

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

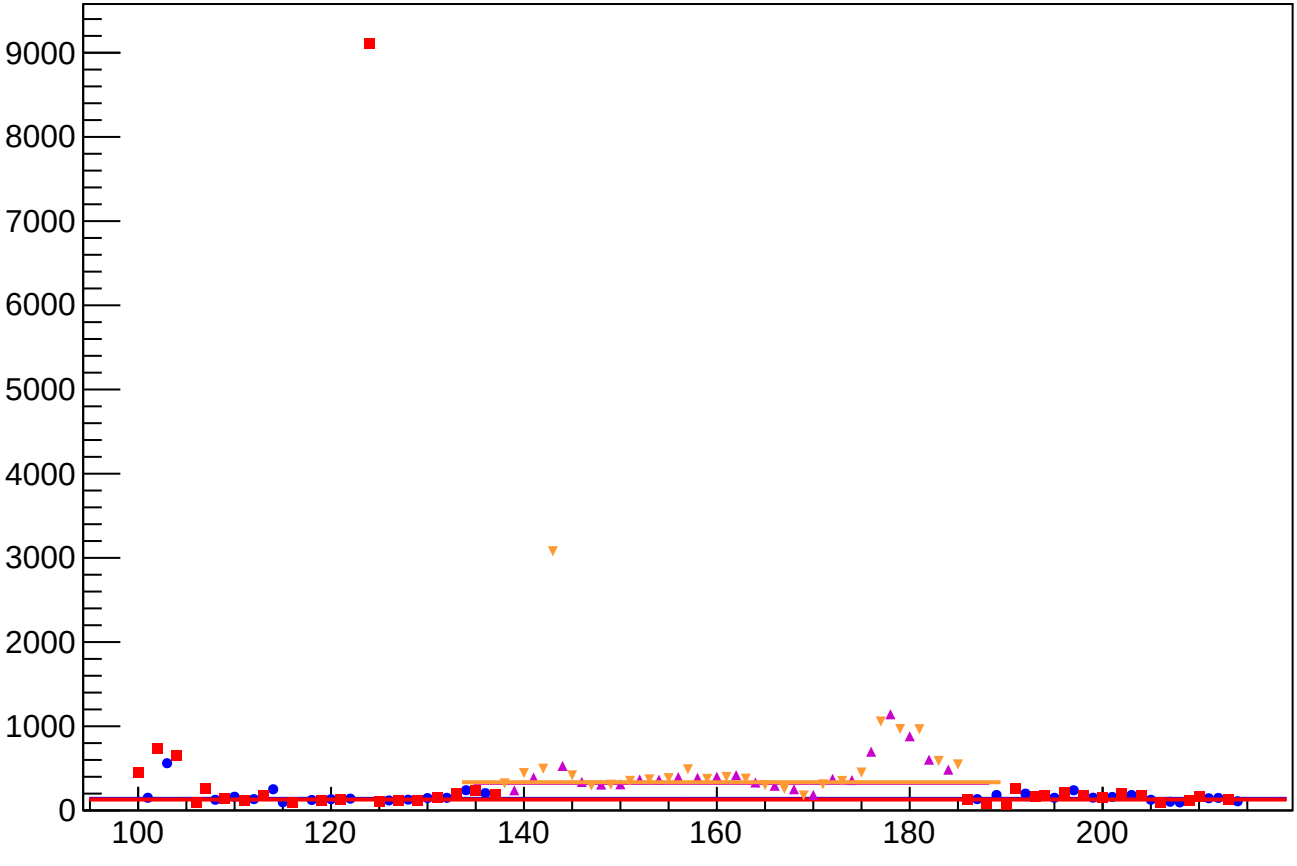
Right: 0.018+/-0.024 χ^2/NDF: 64.2/63

In: -0.001+/-0.032 χ^2/NDF:56.9/52

Out: 0.015+/-0.031 χ^2/NDF:69.8/58

All: 0.007+/-0.022 χ^2/NDF: 126.8/111

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

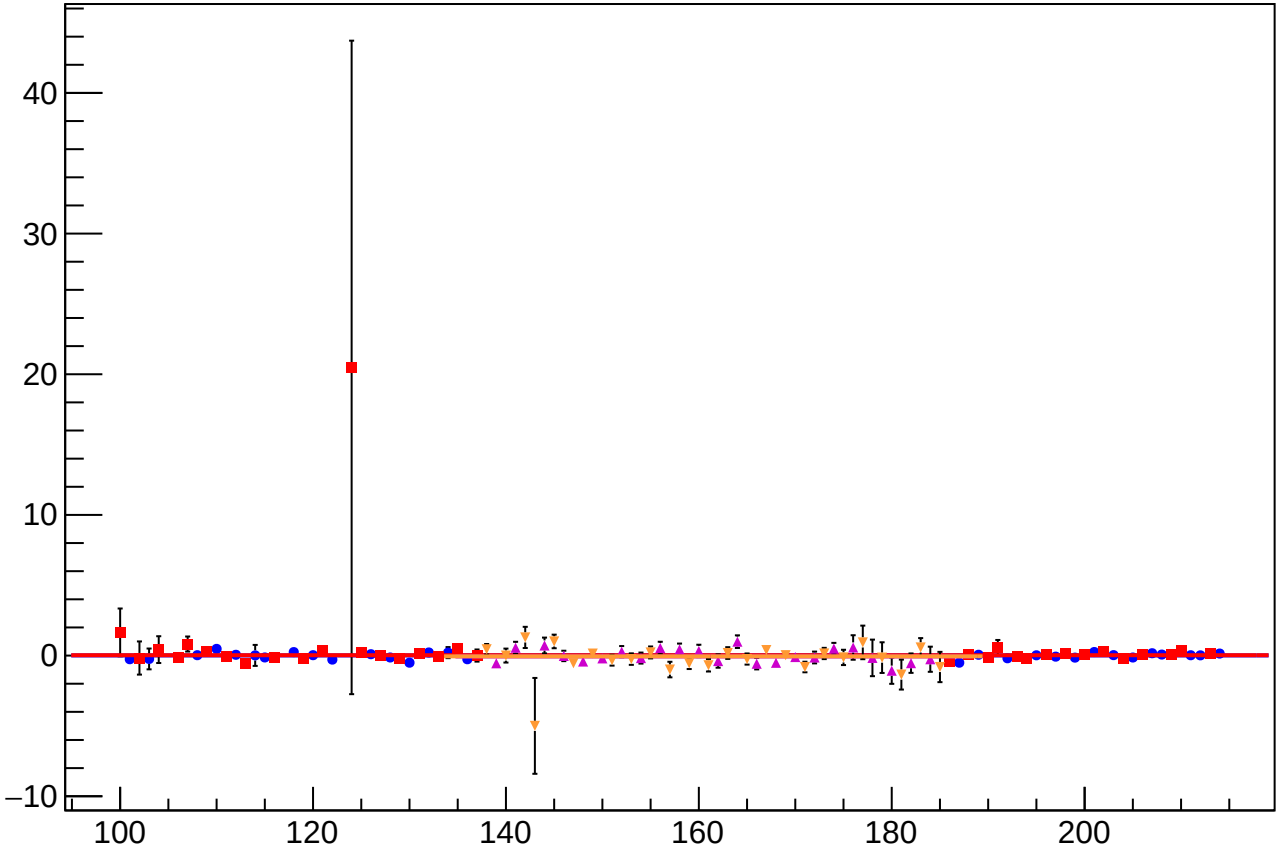
Right: 133.646+/-0.017 χ^2/NDF: 6738312.8/63

In: 166.545+/-0.023 χ^2/NDF:15485166.2/52

Out: 157.756+/-0.022 χ^2/NDF:20308493.0/58

All: 162.025+/-0.016 χ^2/NDF: 35870476.4/1

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

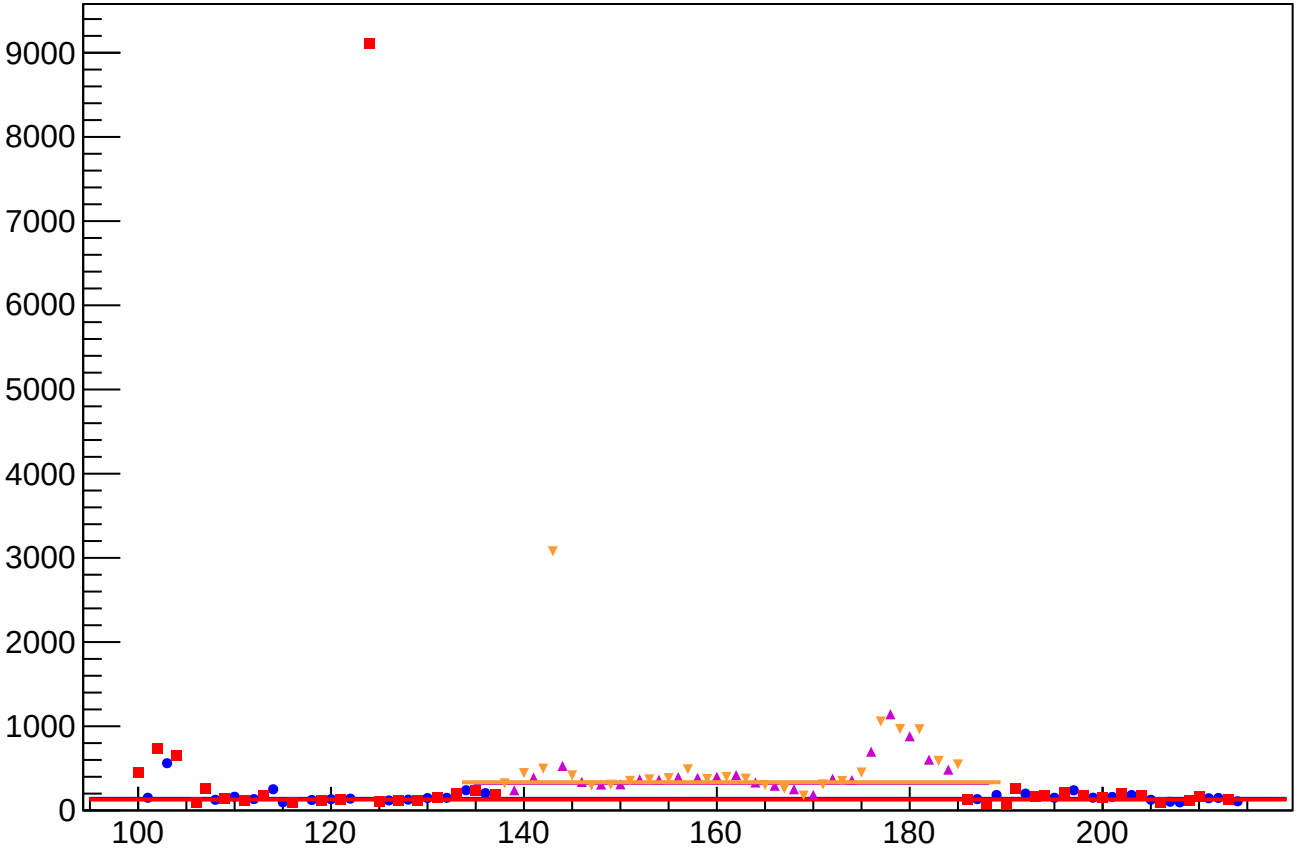
Right: 0.018+/-0.024 χ^2/NDF: 64.2/63

In: -0.001+/-0.032 χ^2/NDF:56.9/52

Out: 0.015+/-0.031 χ^2/NDF:69.8/58

All: 0.007+/-0.022 χ^2/NDF: 126.8/111

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

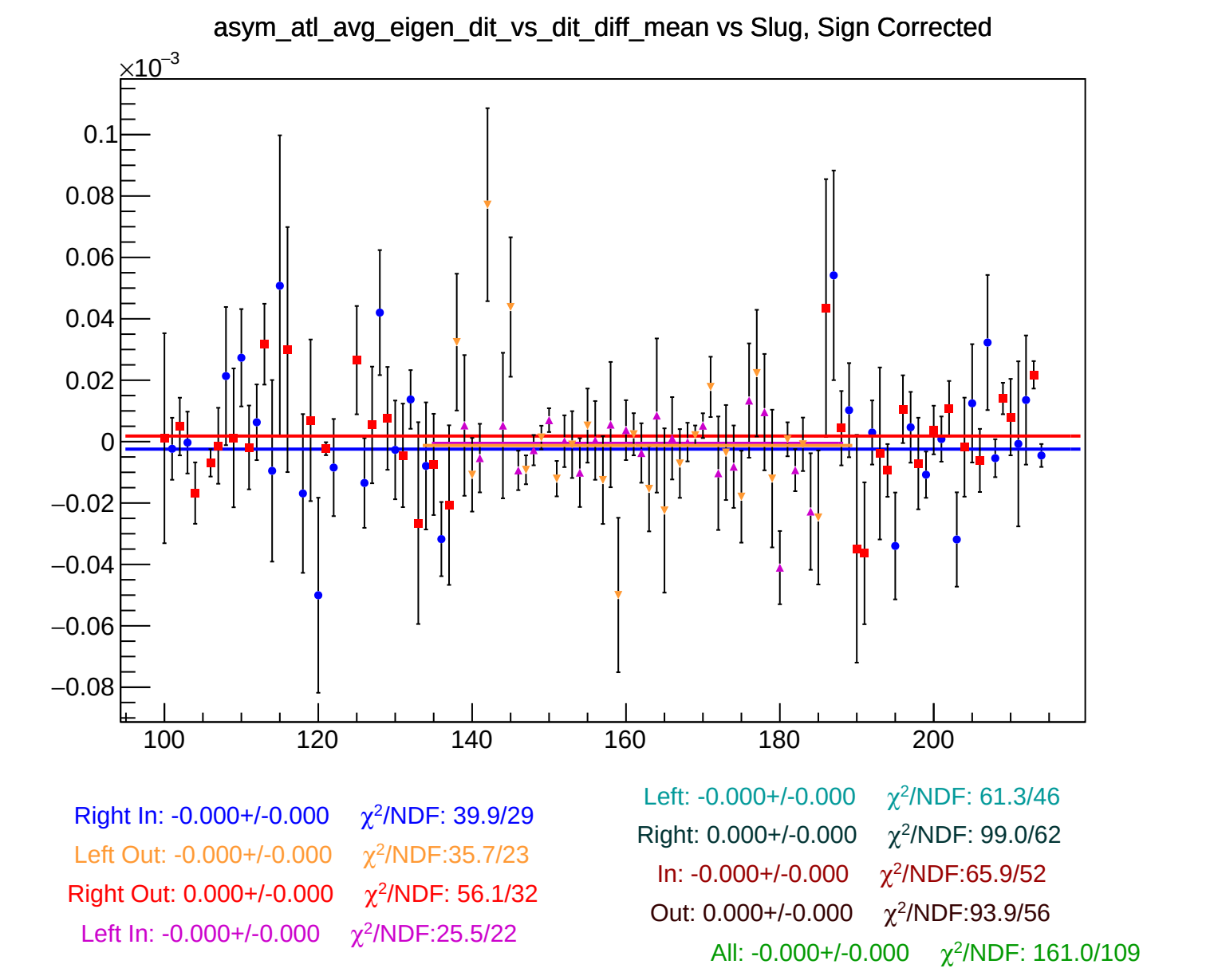
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

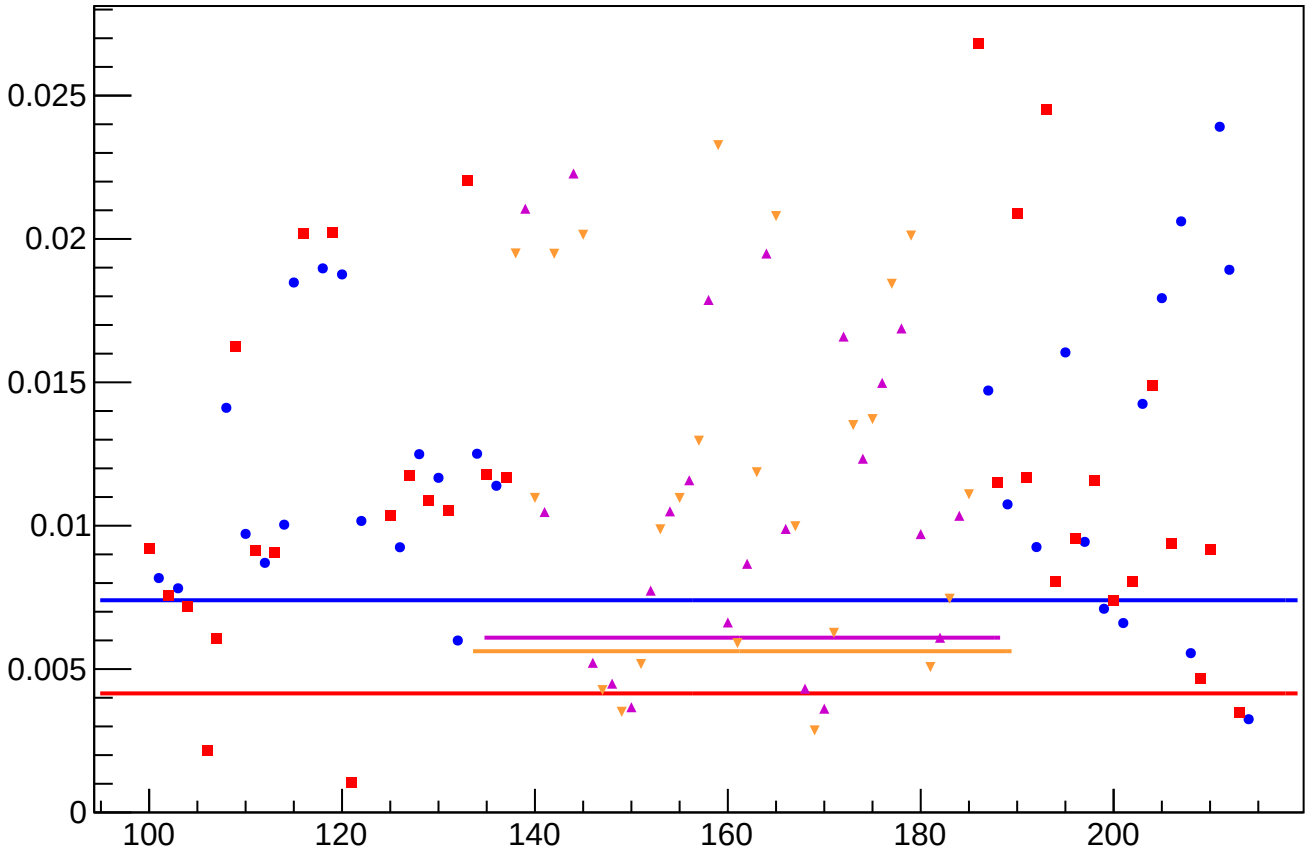
Right: 133.646+/-0.017 χ^2/NDF: 6738312.8/63

In: 166.545+/-0.023 χ^2/NDF:15485166.2/52

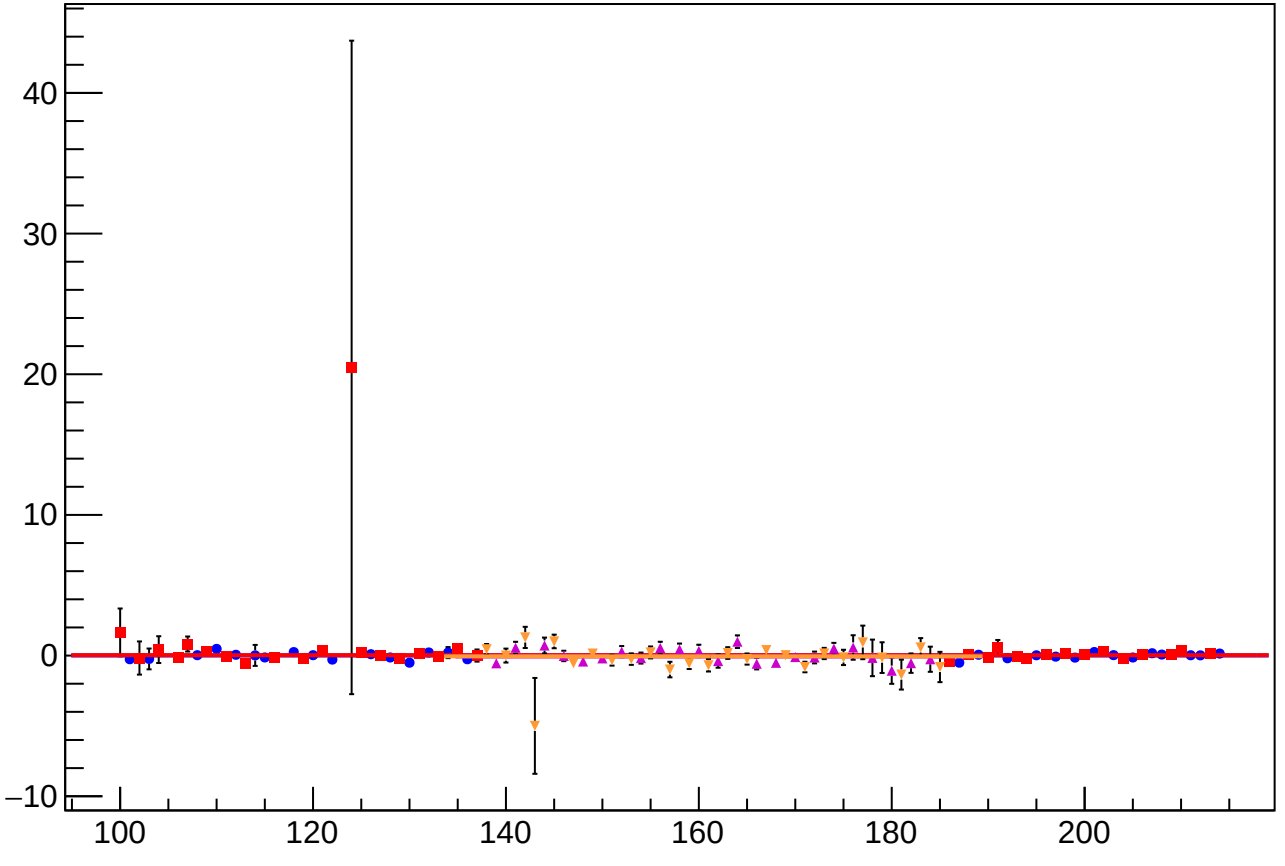
Out: 157.756+/-0.022 χ^2/NDF:20308493.0/58

All: 162.025+/-0.016 χ^2/NDF: 35870476.4/1


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 39.9/29
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 56.1/32
Left In: -0.000+/-0.000 χ²/NDF:25.5/22
Left: -0.000+/-0.000 χ²/NDF: 61.3/46
Right: 0.000+/-0.000 χ²/NDF: 99.0/62
In: -0.000+/-0.000 χ²/NDF:65.9/52
Out: 0.000+/-0.000 χ²/NDF:93.9/56
All: -0.000+/-0.000 χ²/NDF: 161.0/109


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.007+/-0.000 χ²/NDF: 8328112.5/29
Left Out: 0.006+/-0.000 χ²/NDF:11183743.0/23
Right Out: 0.004+/-0.000 χ²/NDF: 16686372.3/32
Left In: 0.006+/-0.000 χ²/NDF:8798992.3/22
Left: 0.006+/-0.000 χ²/NDF: 20062256.6/46
Right: 0.005+/-0.000 χ²/NDF: 28494551.2/62
In: 0.007+/-0.000 χ²/NDF:17606696.7/52
Out: 0.005+/-0.000 χ²/NDF:28818240.6/56
All: 0.006+/-0.000 χ²/NDF: 48863325.3/109

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

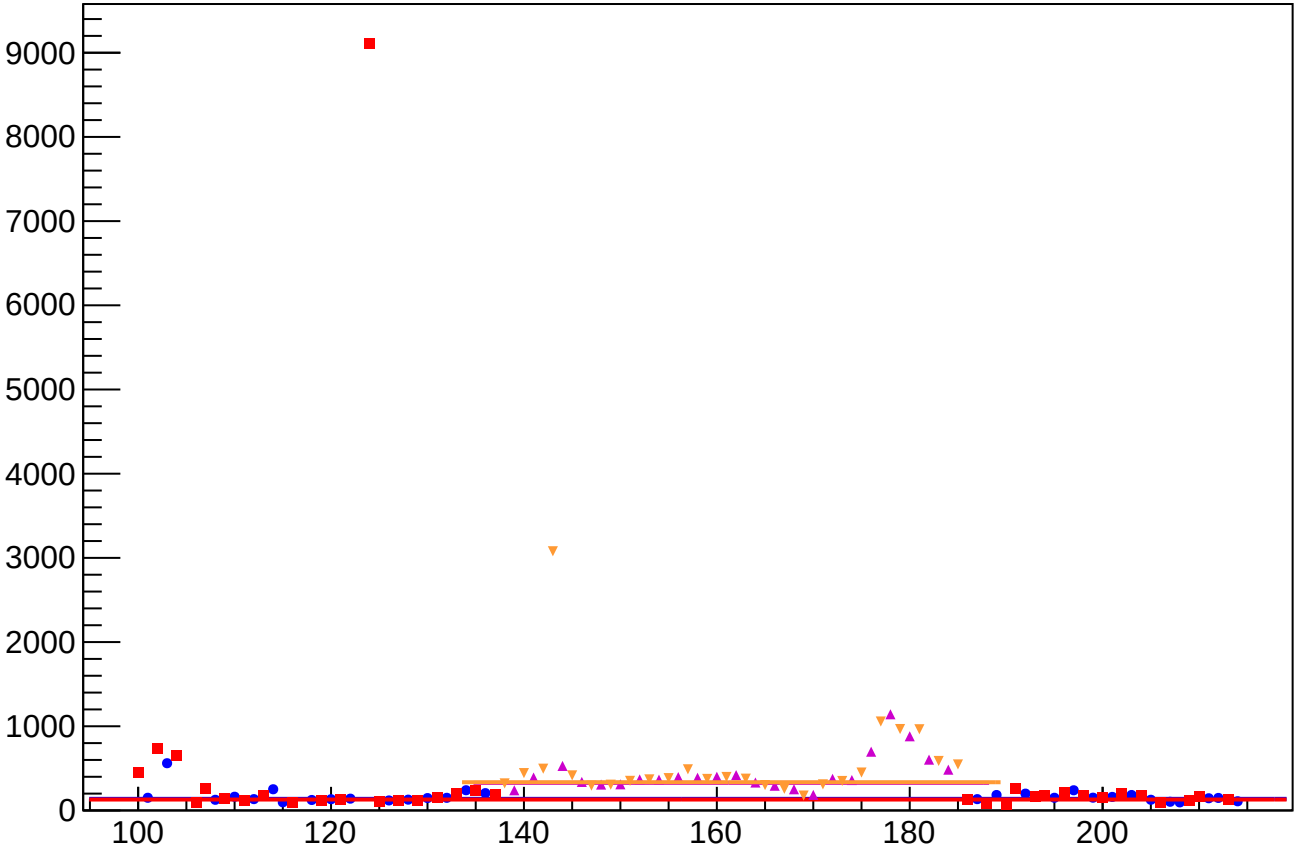
Right: 0.018+/-0.024 χ^2/NDF: 64.2/63

In: -0.001+/-0.032 χ^2/NDF:56.9/52

Out: 0.015+/-0.031 χ^2/NDF:69.8/58

All: 0.007+/-0.022 χ^2/NDF: 126.8/111

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

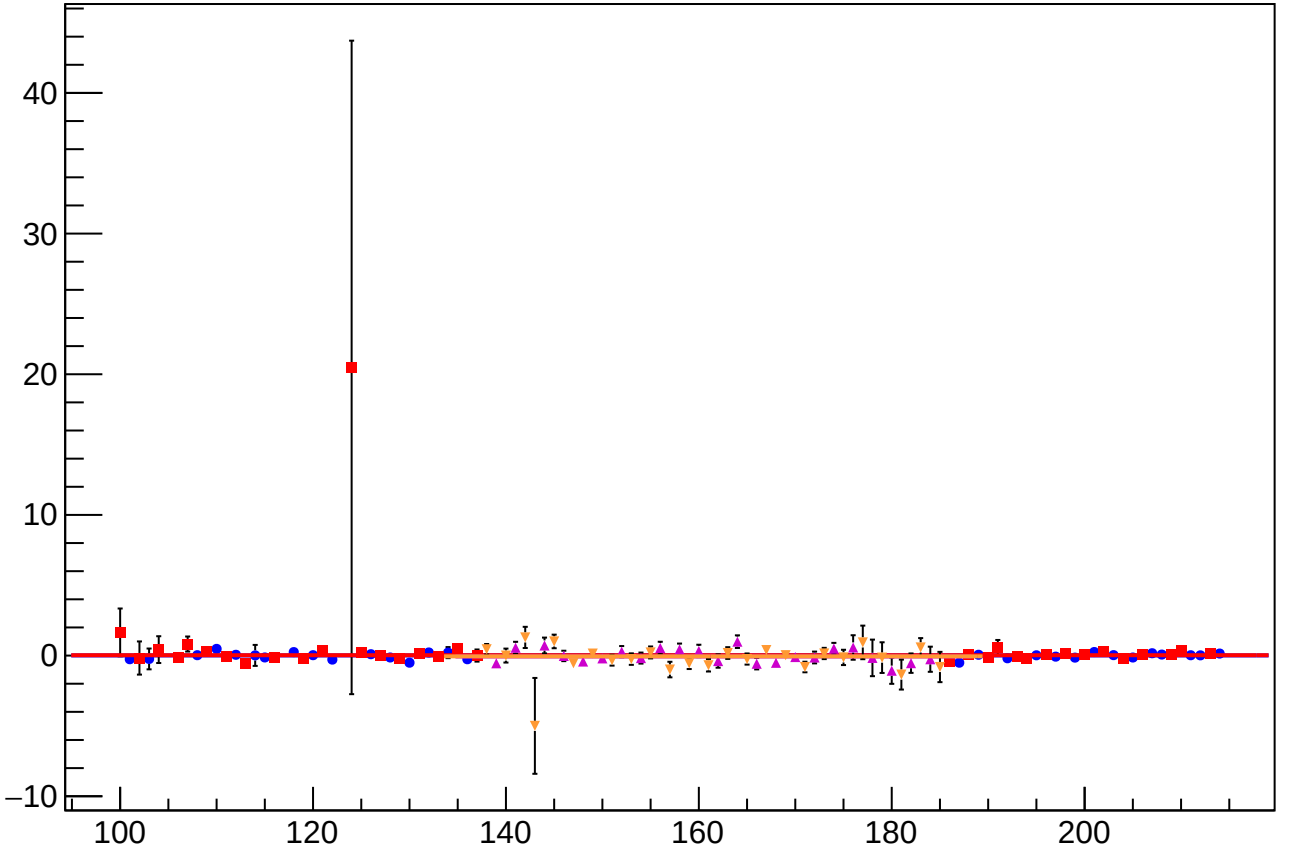
Right: 133.643+/-0.017 χ^2/NDF: 6738636.3/63

In: 166.542+/-0.023 χ^2/NDF:15485826.4/52

Out: 157.753+/-0.022 χ^2/NDF:20309017.2/58

All: 162.022+/-0.016 χ^2/NDF: 35871651.7/11

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

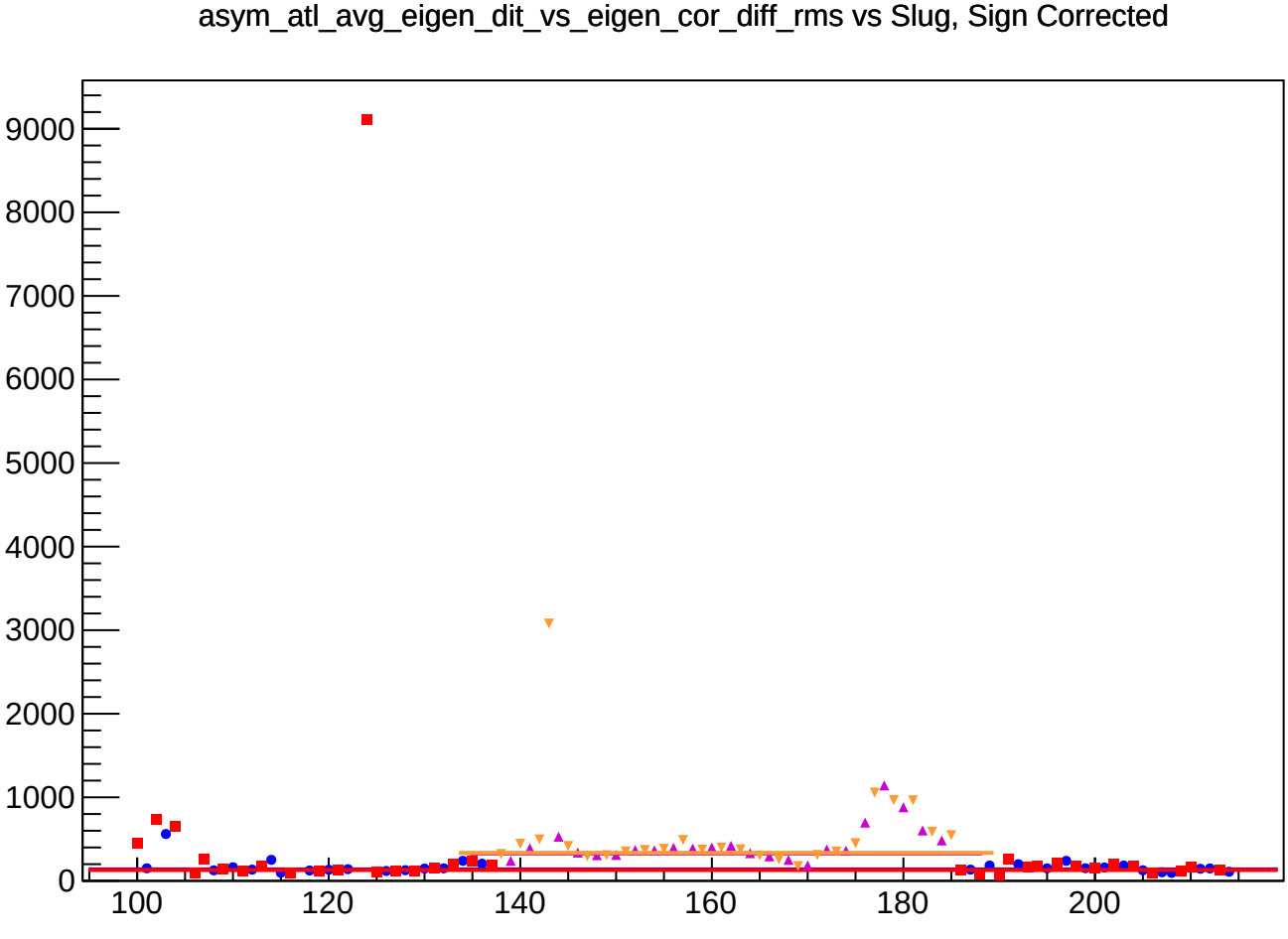
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.018+/-0.024 χ^2/NDF: 64.2/63

In: -0.001+/-0.032 χ^2/NDF:56.9/52

Out: 0.015+/-0.031 χ^2/NDF:69.8/58

All: 0.007+/-0.022 χ^2/NDF: 126.8/111



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

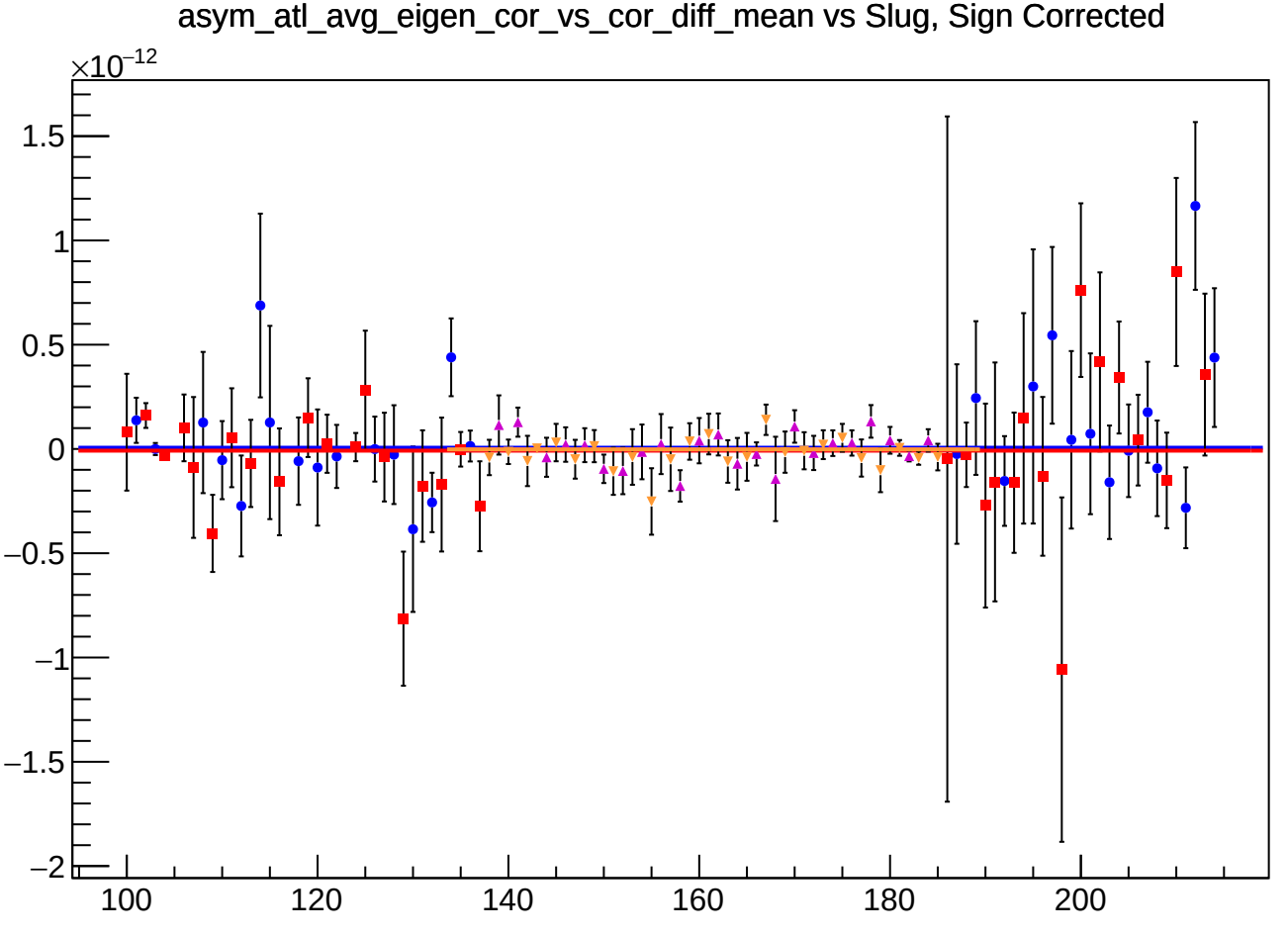
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 133.643+/-0.017 χ^2/NDF: 6738636.3/63

In: 166.542+/-0.023 χ^2/NDF:15485826.4/52

Out: 157.753+/-0.022 χ^2/NDF:20309017.2/58

All: 162.022+/-0.016 χ^2/NDF: 35871651.7/11



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

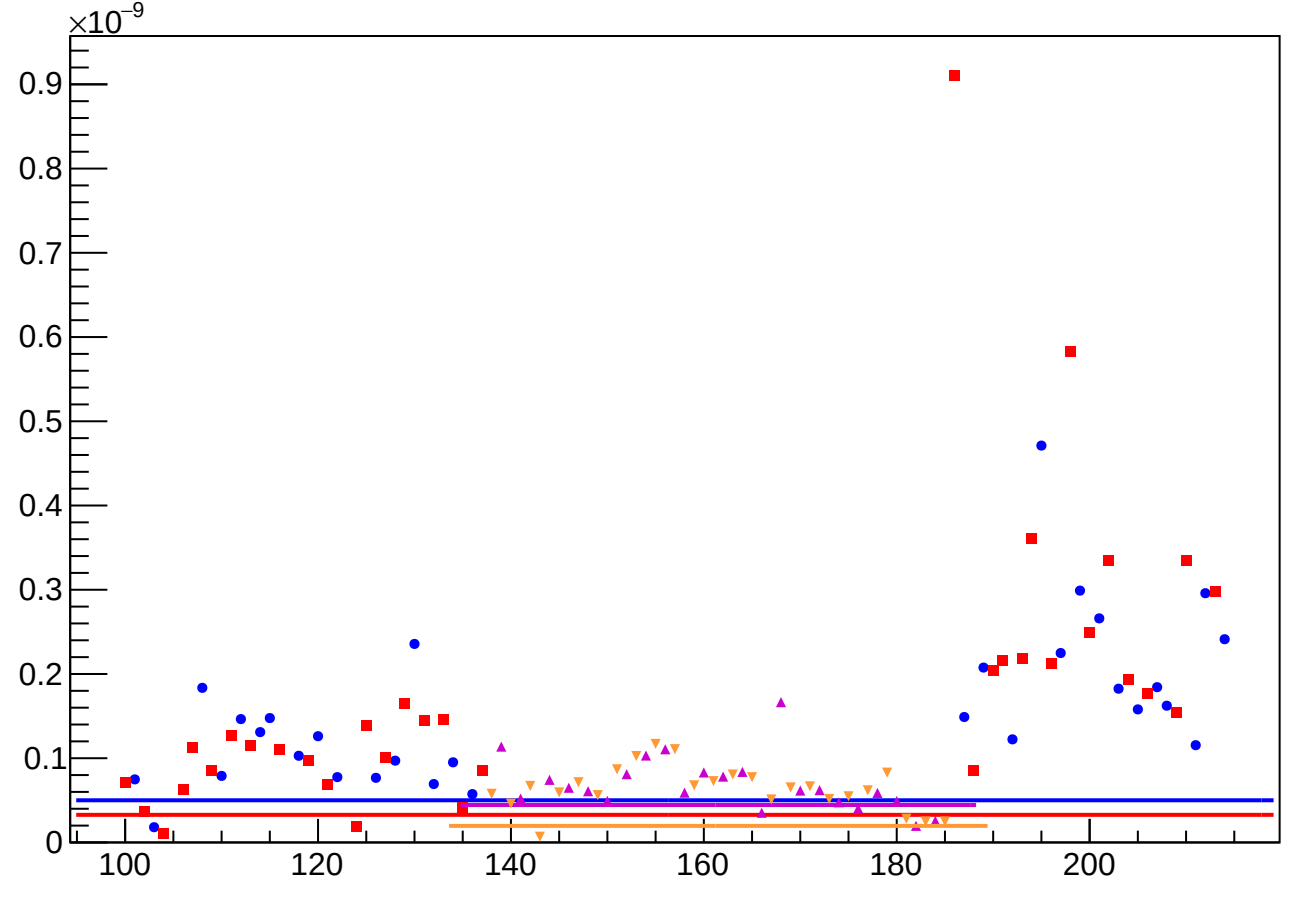
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 70.6/63

In: 0.000+/-0.000 χ^2/NDF:54.3/52

Out: -0.000+/-0.000 χ^2/NDF:52.3/58

All: -0.000+/-0.000 χ^2/NDF: 106.7/111



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

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

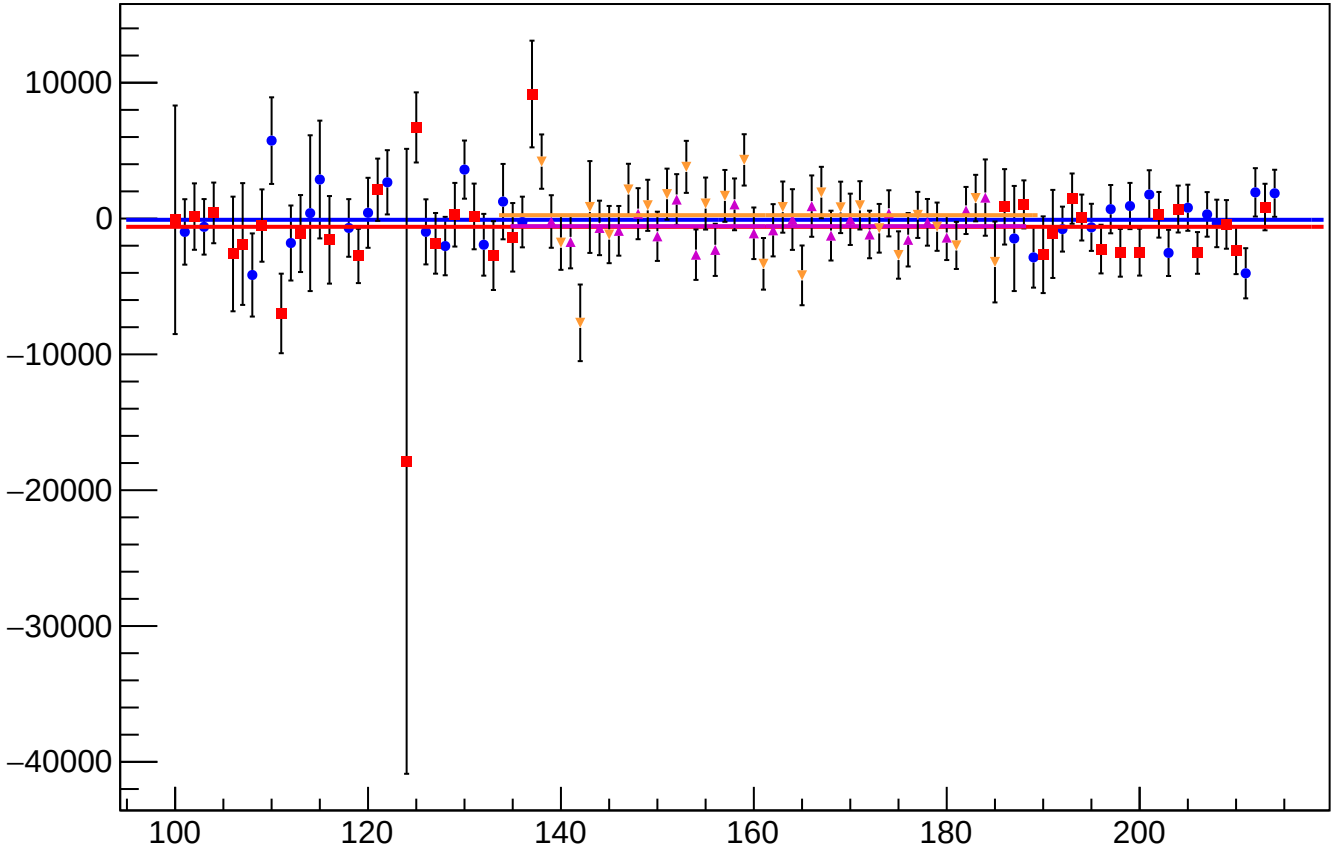
Right: 0.000+/-0.000 χ^2/NDF: 26631025.4/63

In: 0.000+/-0.000 χ^2/NDF:17324616.5/52

Out: 0.000+/-0.000 χ^2/NDF:30360953.9/58

All: 0.000+/-0.000 χ^2/NDF: 53409482.8/111

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

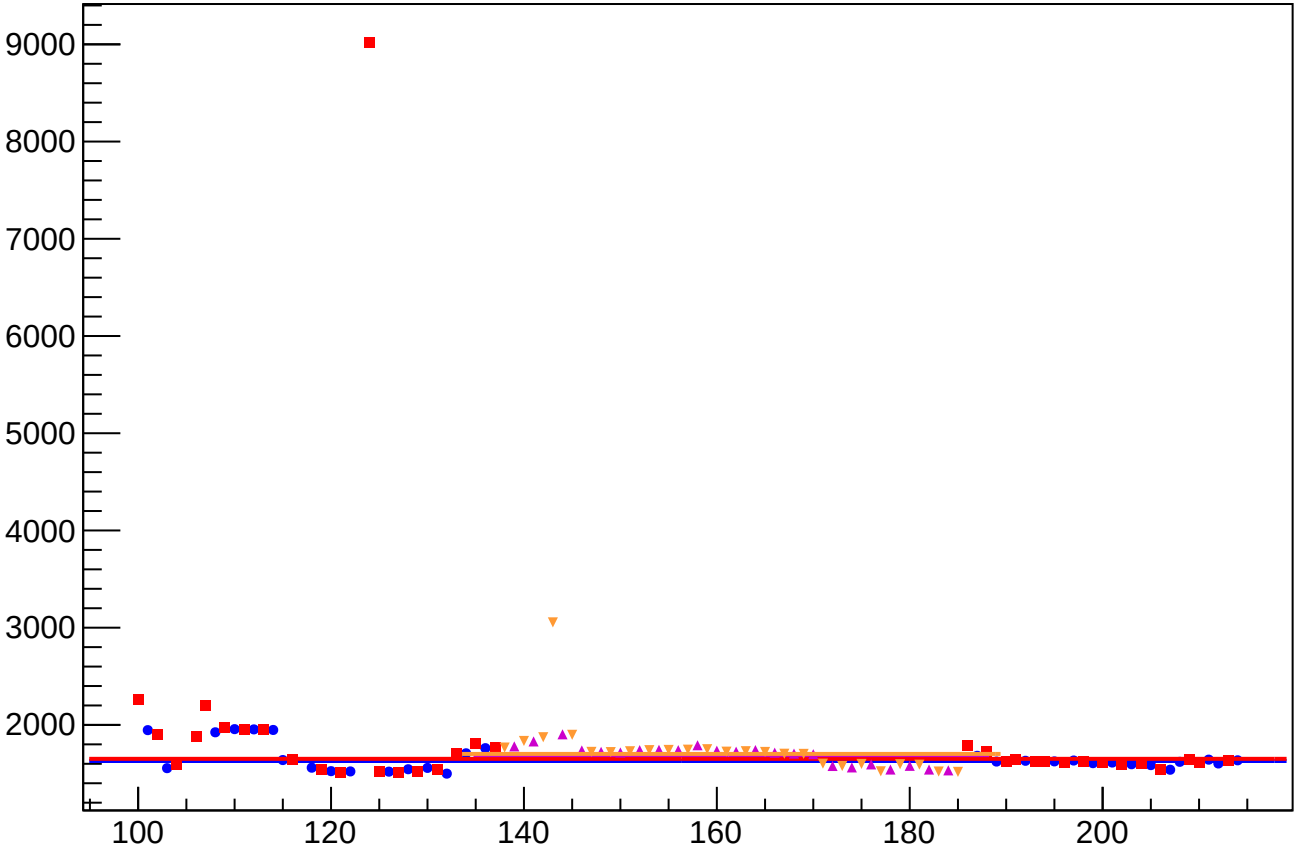
Right: -350.676+/-269.860 χ^2/NDF: 61.0/63

In: -318.031+/-274.422 χ^2/NDF:33.8/52

Out: -188.341+/-272.441 χ^2/NDF:76.6/58

All: -252.716+/-193.341 χ^2/NDF: 110.5/111

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

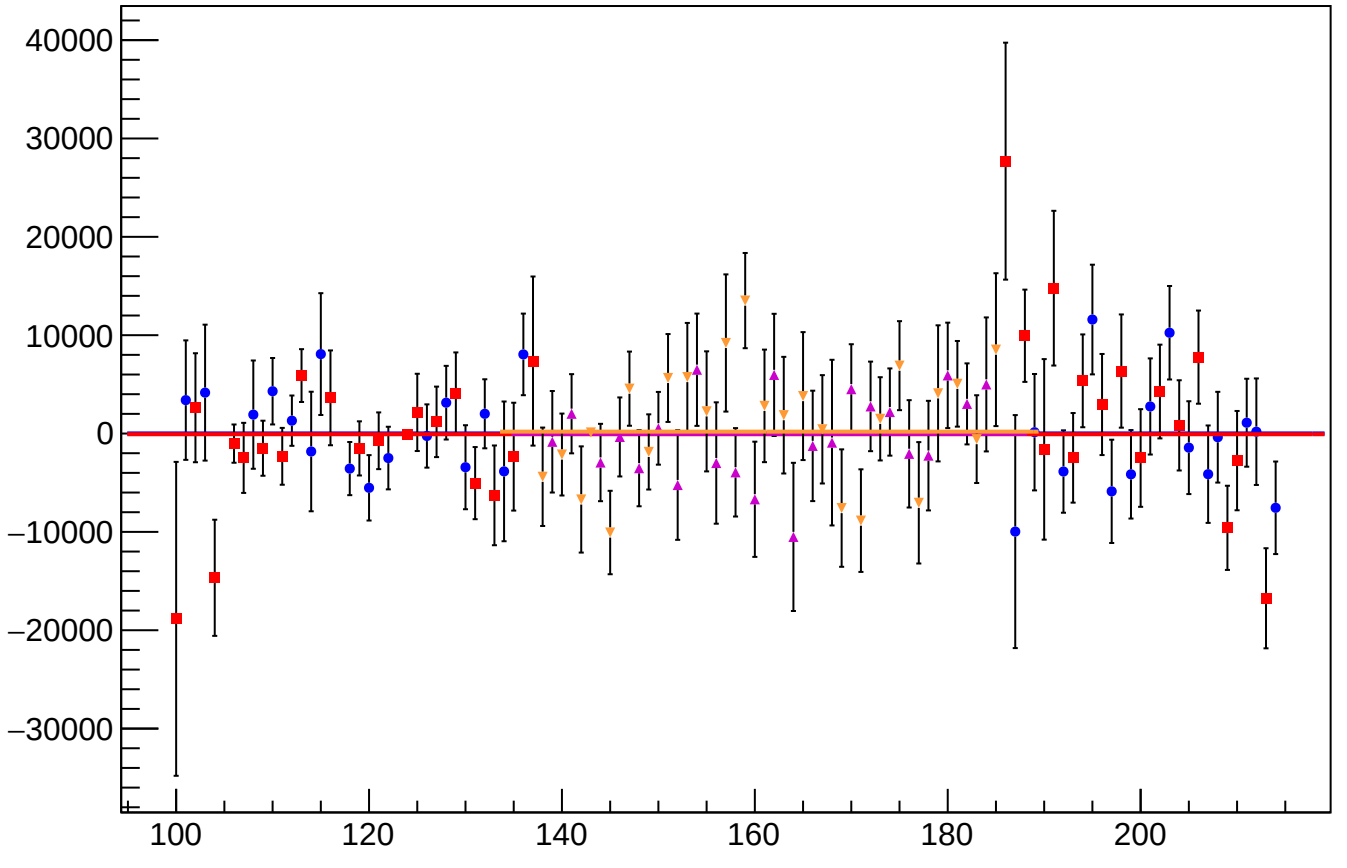
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1639.985+/-0.191 χ^2/NDF: 584030.8/63

In: 1658.006+/-0.194 χ^2/NDF:304178.1/52

Out: 1675.830+/-0.192 χ^2/NDF:892541.5/58

All: 1666.990+/-0.137 χ^2/NDF: 1200972.3/11



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

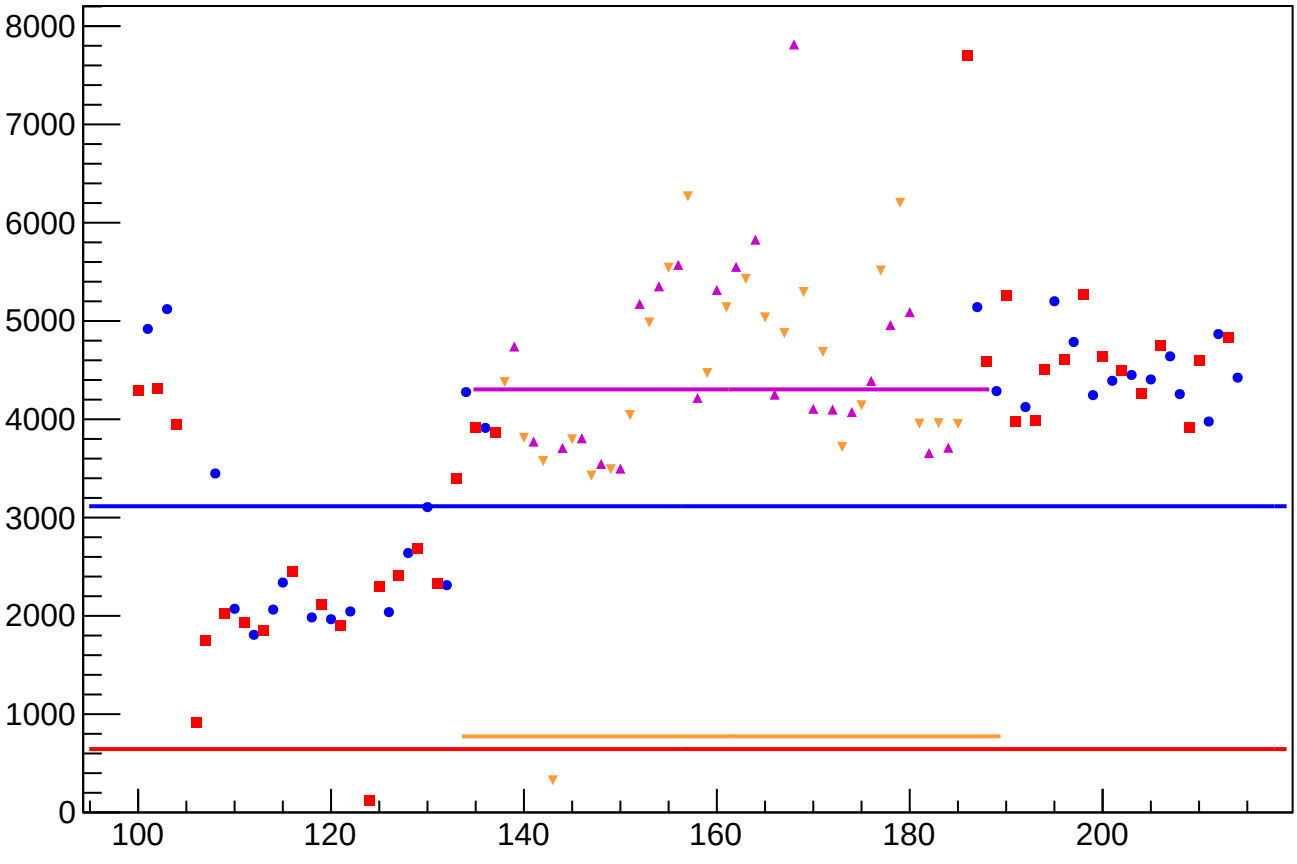
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: -59.403+/-291.921 χ^2/NDF: 89.0/63

In: -3.180+/-621.119 χ^2/NDF:45.0/52

Out: 49.893+/-231.952 χ^2/NDF:91.6/58

All: 43.397+/-217.294 χ^2/NDF: 136.5/111



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

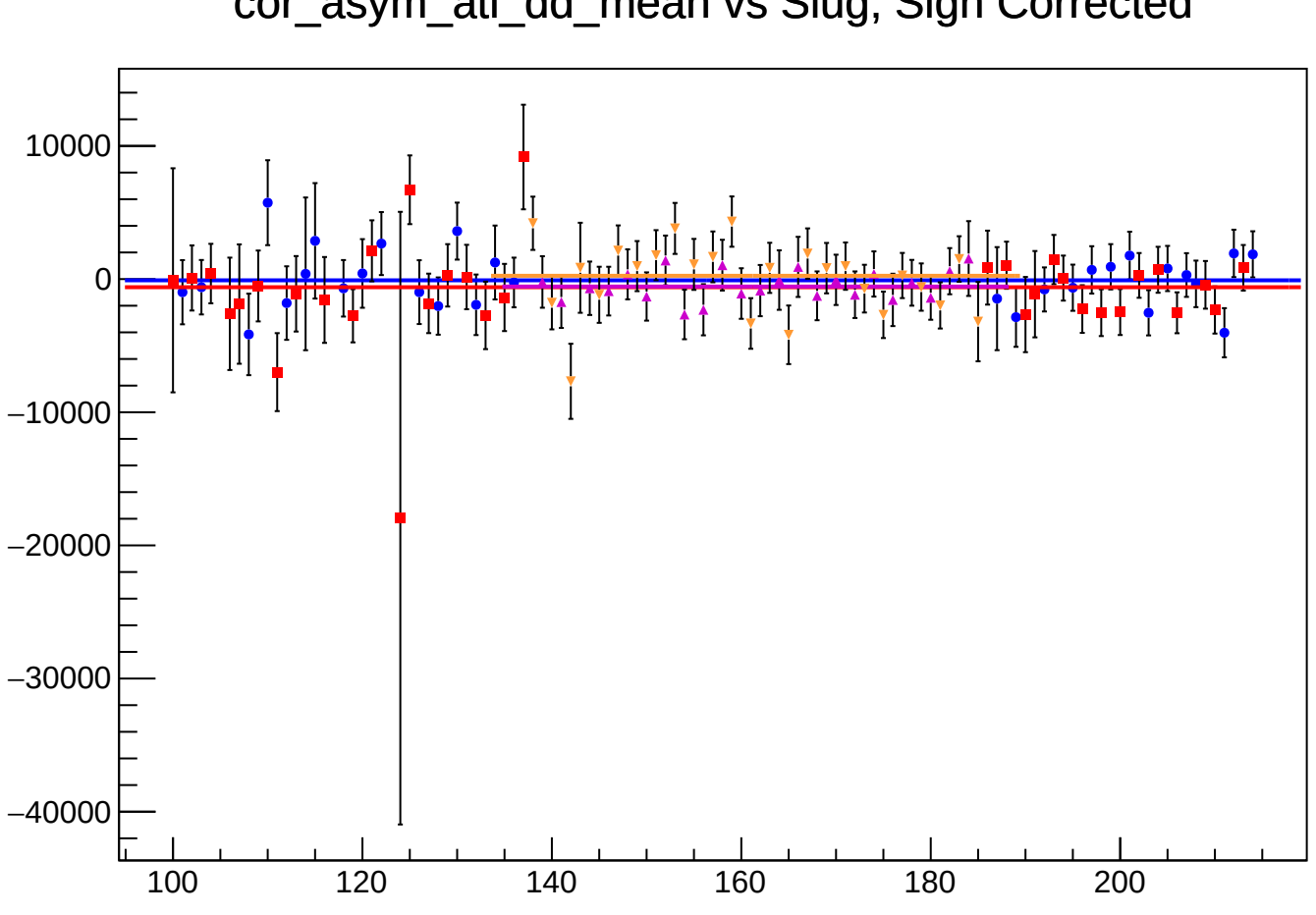
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 990.383+/-0.206 χ^2/NDF: 50738774.5/63

In: 3551.421+/-0.439 χ^2/NDF:7434276.6/52

Out: 703.981+/-0.164 χ^2/NDF:57230840.0/58

All: 1052.480+/-0.154 χ^2/NDF: 101553677.0



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

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

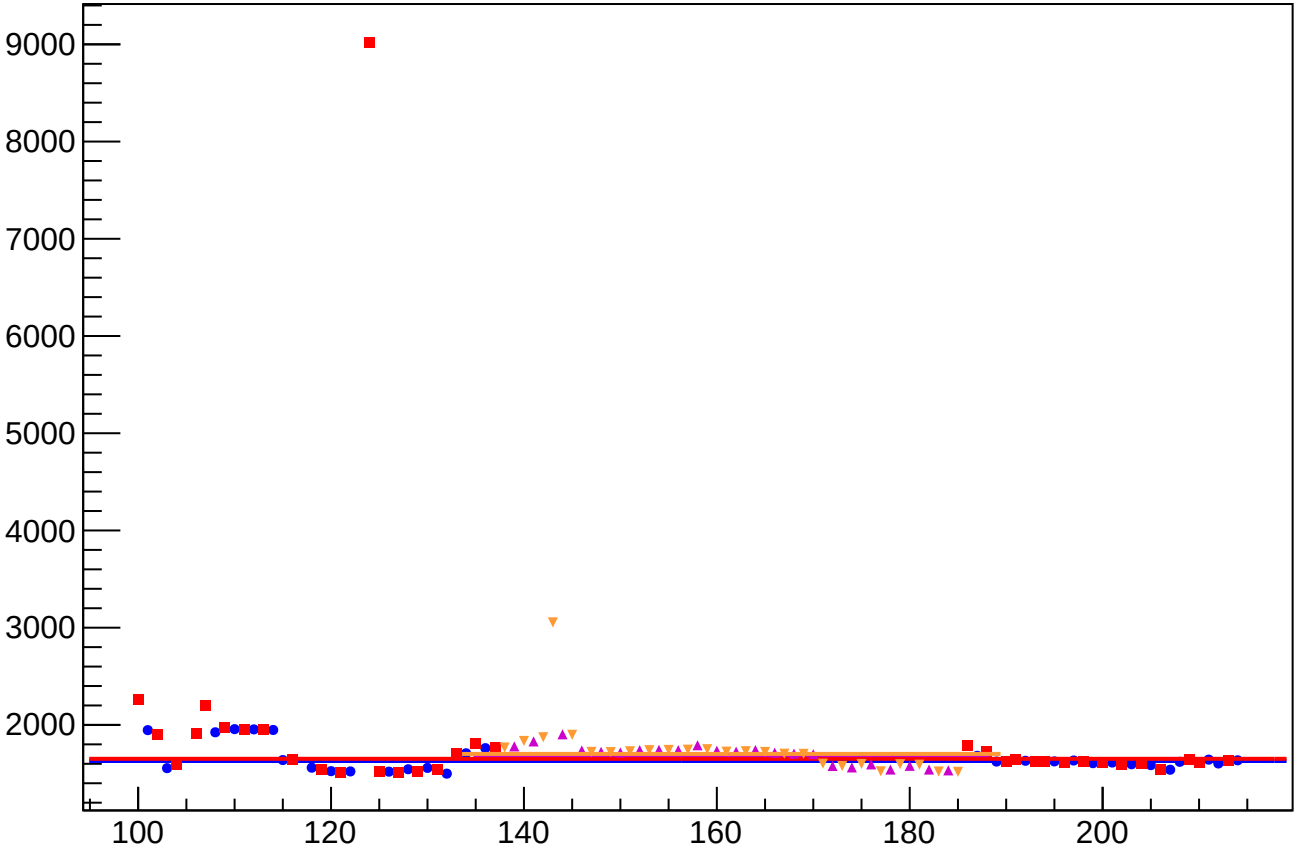
Right: -351.425+/-269.860 χ^2/NDF: 61.0/63

In: -317.991+/-274.422 χ^2/NDF:33.8/52

Out: -189.135+/-272.442 χ^2/NDF:76.6/58

All: -253.096+/-193.342 χ^2/NDF: 110.5/111

cor_asym_atl_dd_rms vs Slug, Sign Corrected



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

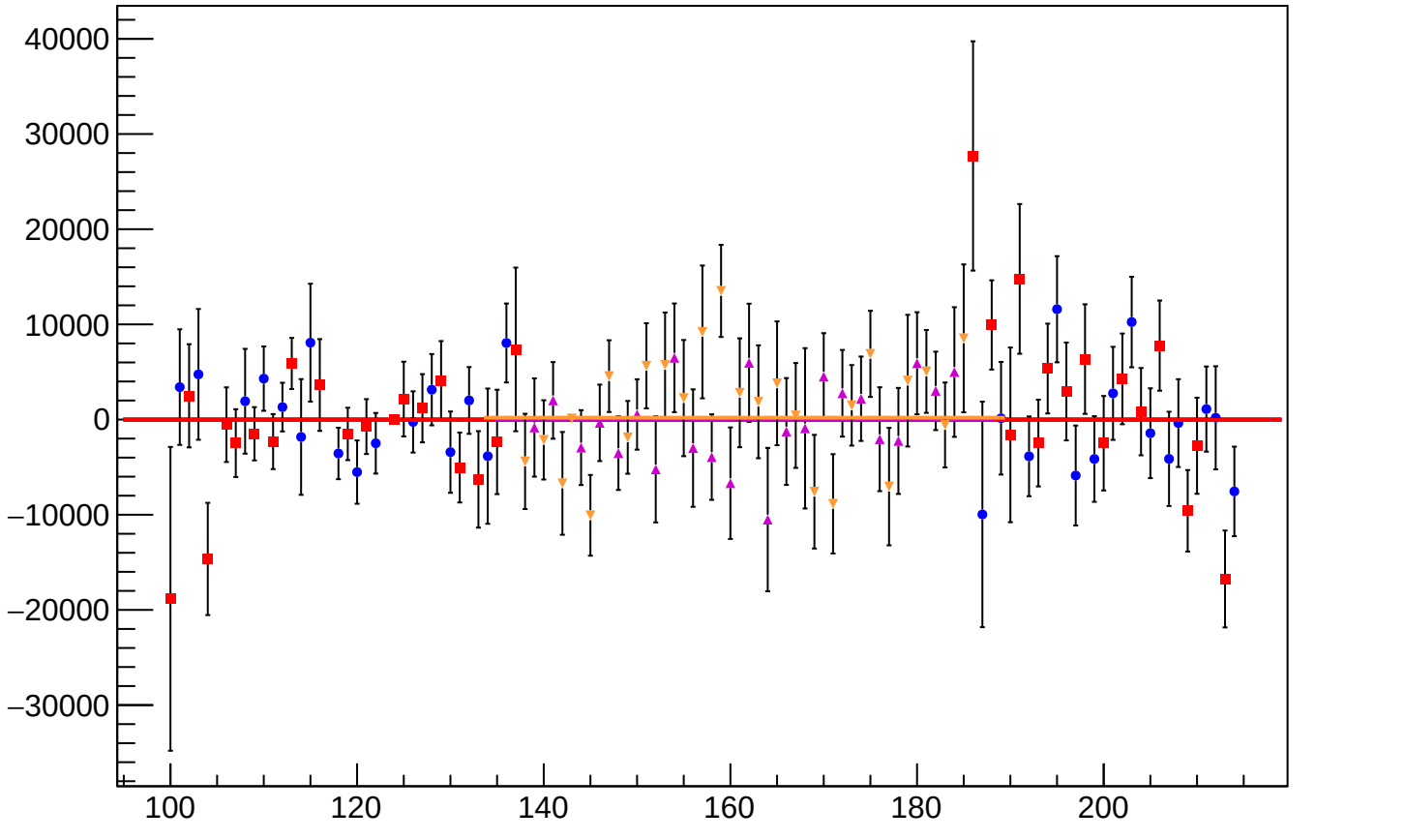
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1640.120+/-0.191 χ^2/NDF: 586220.3/63

In: 1658.006+/-0.194 χ^2/NDF:304178.1/52

Out: 1675.974+/-0.192 χ^2/NDF:894458.3/58

All: 1667.062+/-0.137 χ^2/NDF: 1202957.9/11



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

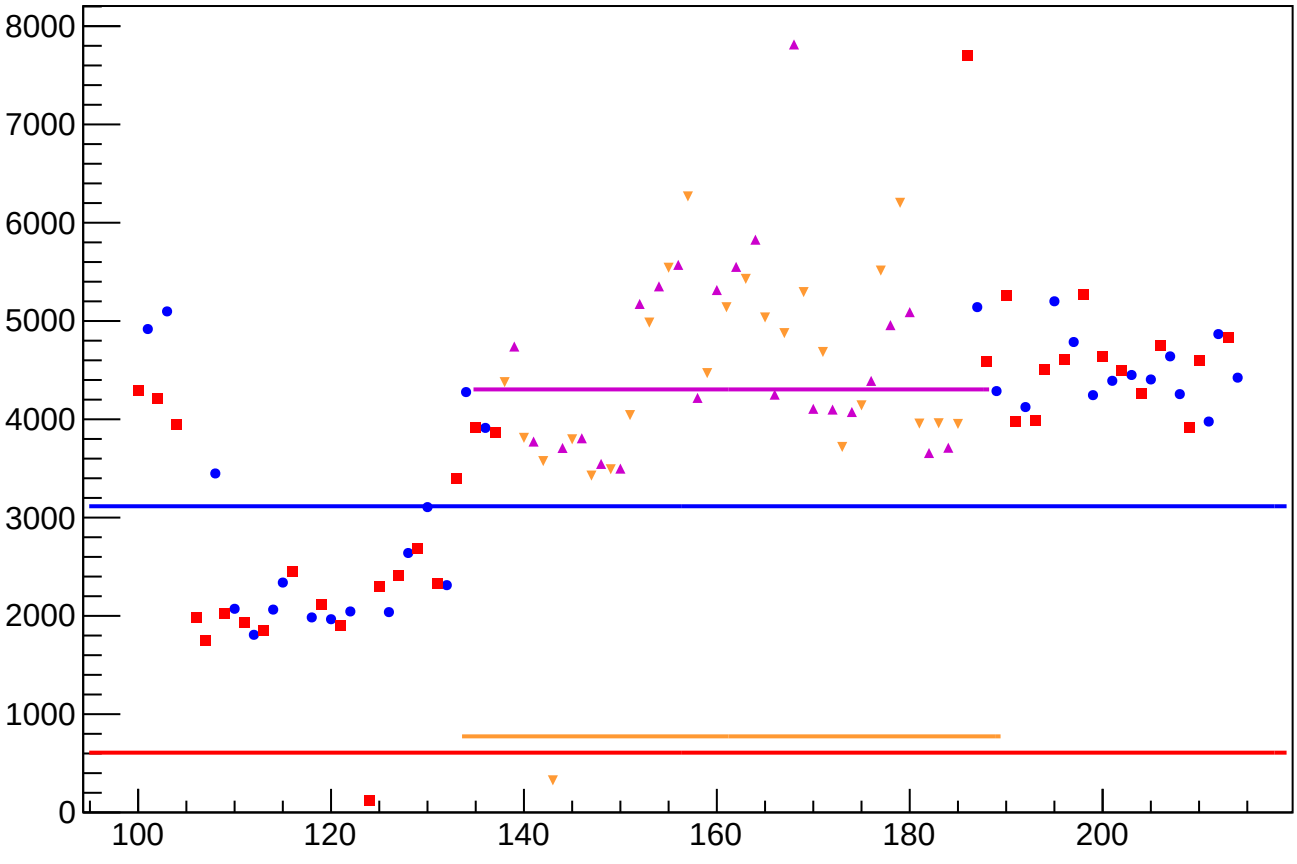
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -33.550+/-286.042 χ^2/NDF: 88.9/63

In: 2.109+/-621.086 χ^2/NDF:45.1/52

Out: 63.138+/-228.964 χ^2/NDF:91.2/58

All: 55.836+/-214.831 χ^2/NDF: 136.4/111



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

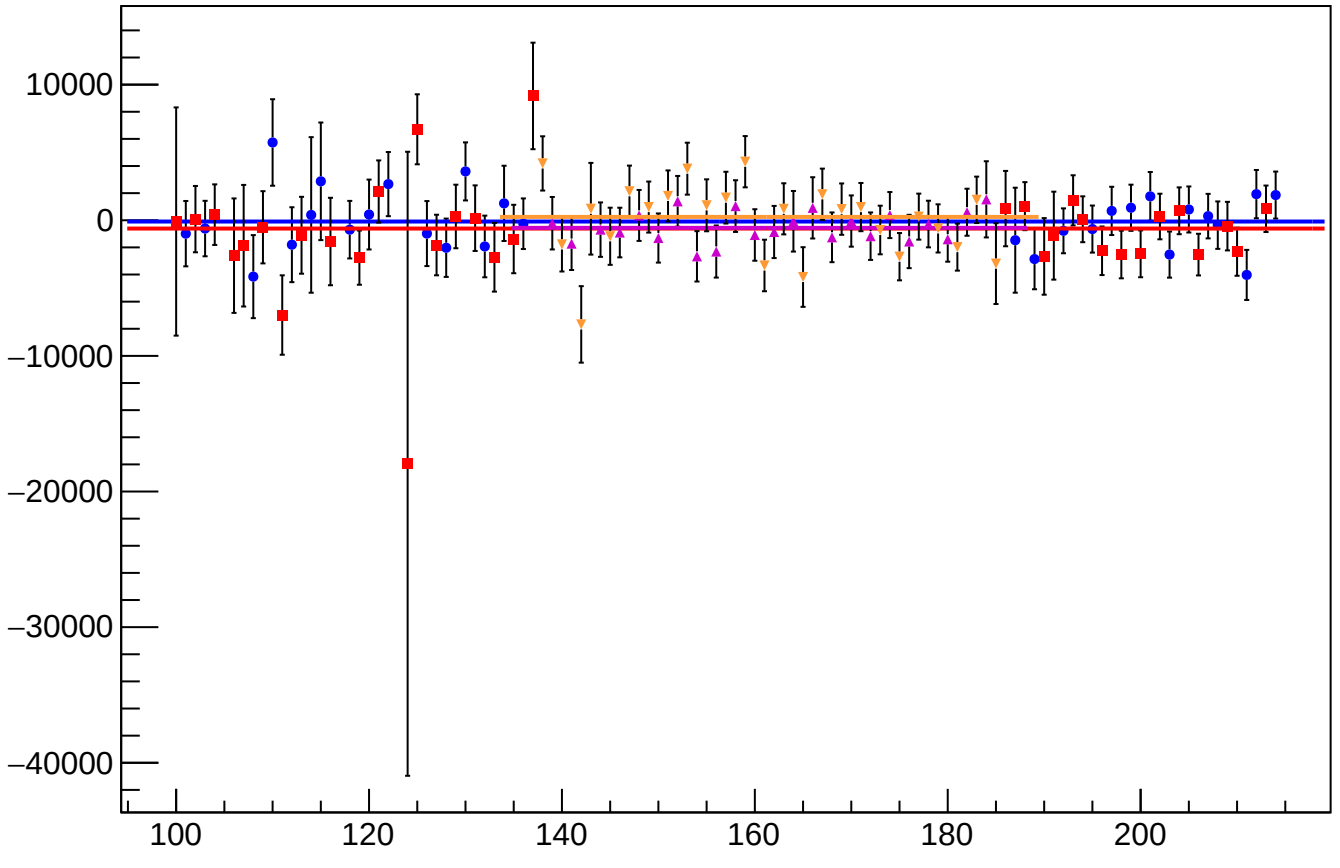
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 945.040+/-0.202 χ^2/NDF: 51996754.8/63

In: 3551.374+/-0.439 χ^2/NDF:7432426.8/52

Out: 682.176+/-0.162 χ^2/NDF:57965535.2/58

All: 1025.457+/-0.152 χ^2/NDF: 102973549.8



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

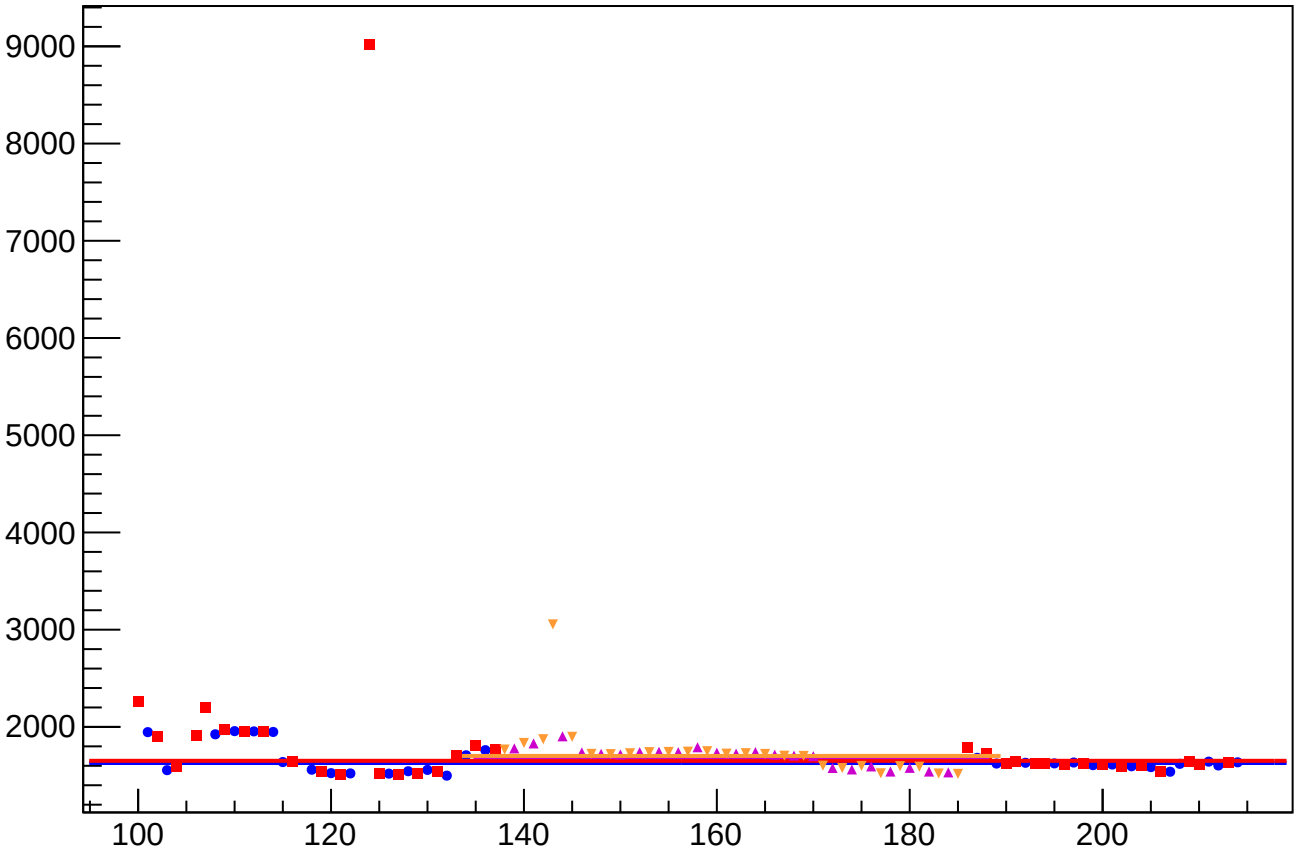
Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

Right: -351.425+/-269.860 χ^2/NDF: 61.0/63

In: -317.991+/-274.422 χ^2/NDF:33.8/52

Out: -189.135+/-272.442 χ^2/NDF:76.6/58

All: -253.096+/-193.342 χ^2/NDF: 110.5/111



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

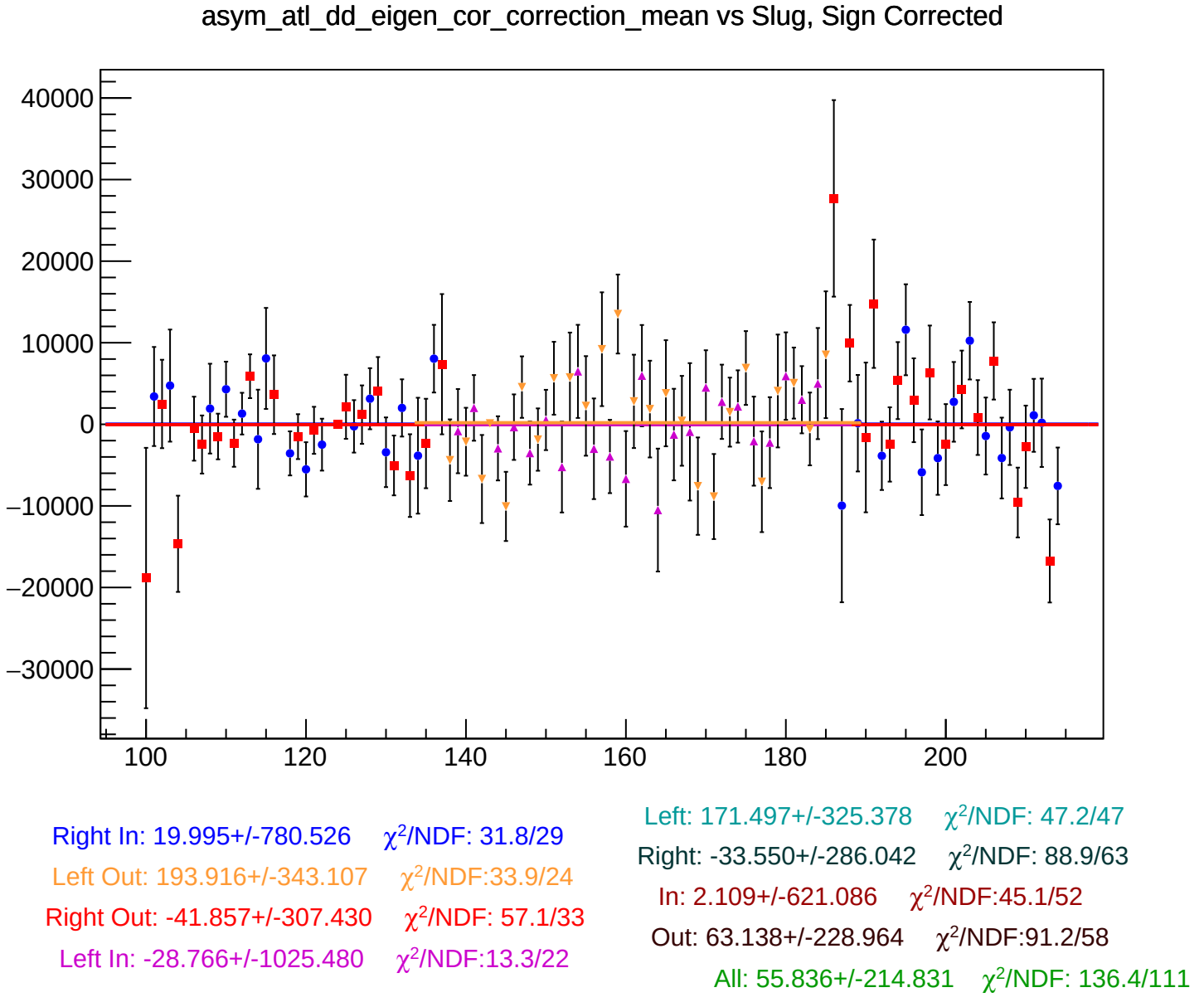
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

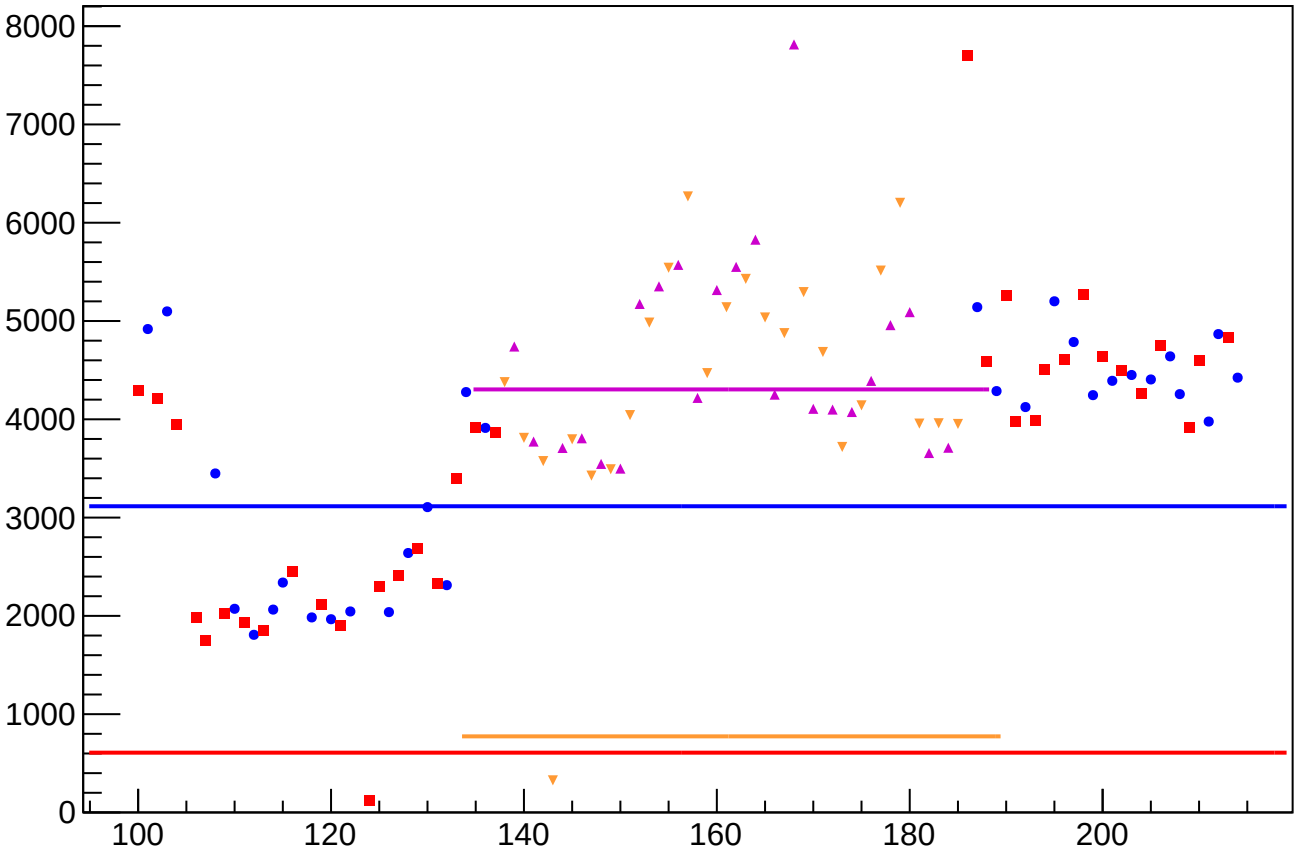
Right: 1640.120+/-0.191 χ^2/NDF: 586220.3/63

In: 1658.006+/-0.194 χ^2/NDF:304178.1/52

Out: 1675.974+/-0.192 χ^2/NDF:894458.3/58

All: 1667.062+/-0.137 χ^2/NDF: 1202957.9/11


asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 19.995+/-780.526 χ²/NDF: 31.8/29
Left Out: 193.916+/-343.107 χ²/NDF:33.9/24
Right Out: -41.857+/-307.430 χ²/NDF: 57.1/33
Left In: -28.766+/-1025.480 χ²/NDF:13.3/22
Left: 171.497+/-325.378 χ²/NDF: 47.2/47
Right: -33.550+/-286.042 χ²/NDF: 88.9/63
In: 2.109+/-621.086 χ²/NDF:45.1/52
Out: 63.138+/-228.964 χ²/NDF:91.2/58
All: 55.836+/-214.831 χ²/NDF: 136.4/111



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

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

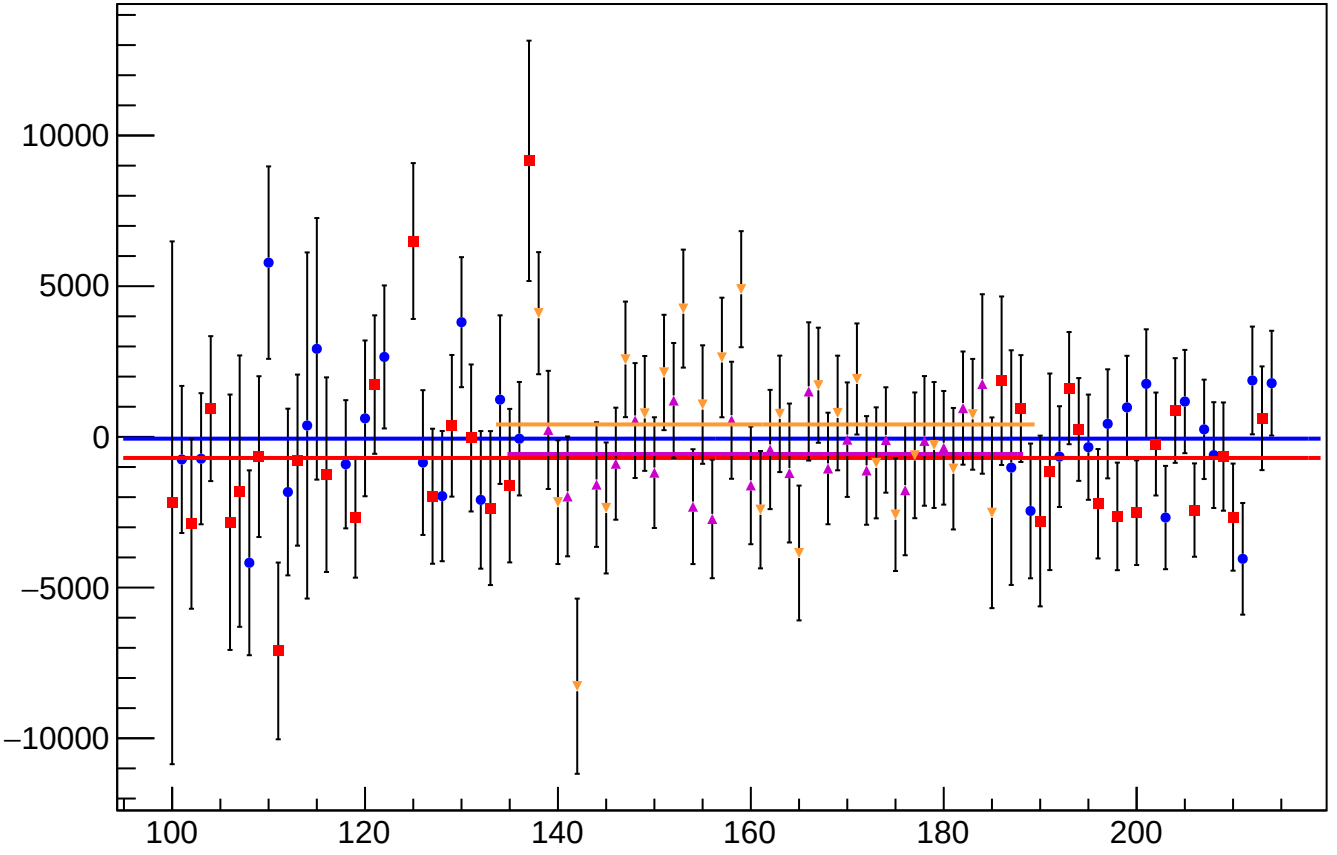
Right: 945.040+/-0.202 χ^2/NDF: 51996754.8/63

In: 3551.374+/-0.439 χ^2/NDF:7432426.8/52

Out: 682.176+/-0.162 χ^2/NDF:57965535.2/58

All: 1025.457+/-0.152 χ^2/NDF: 102973549.8

dit_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

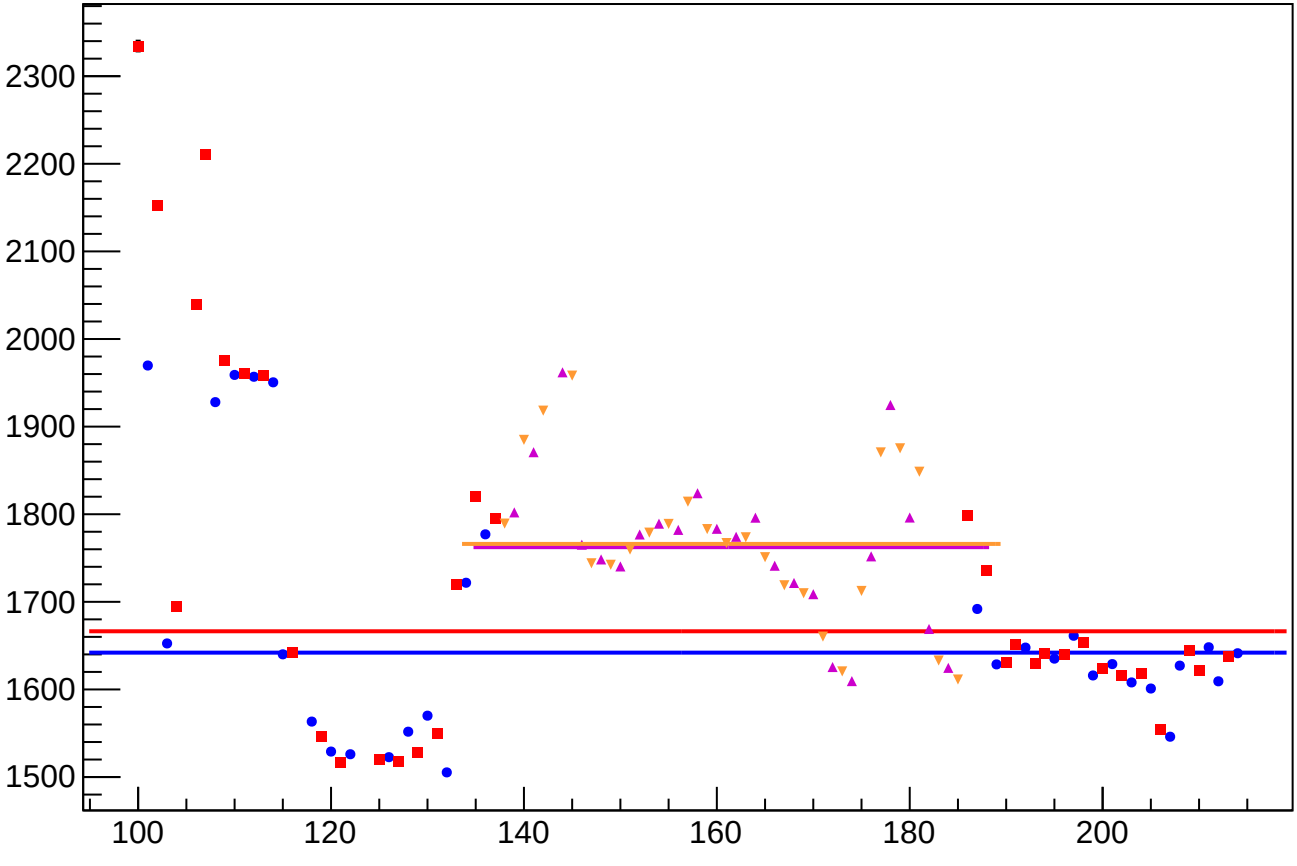
Right: -377.802+/-272.507 χ^2/NDF: 61.3/62

In: -296.250+/-281.131 χ^2/NDF:34.1/52

Out: -177.035+/-281.310 χ^2/NDF:78.3/56

All: -236.681+/-198.853 χ^2/NDF: 112.5/109

dit_asym_atl_dd_rms vs Slug, Sign Corrected



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

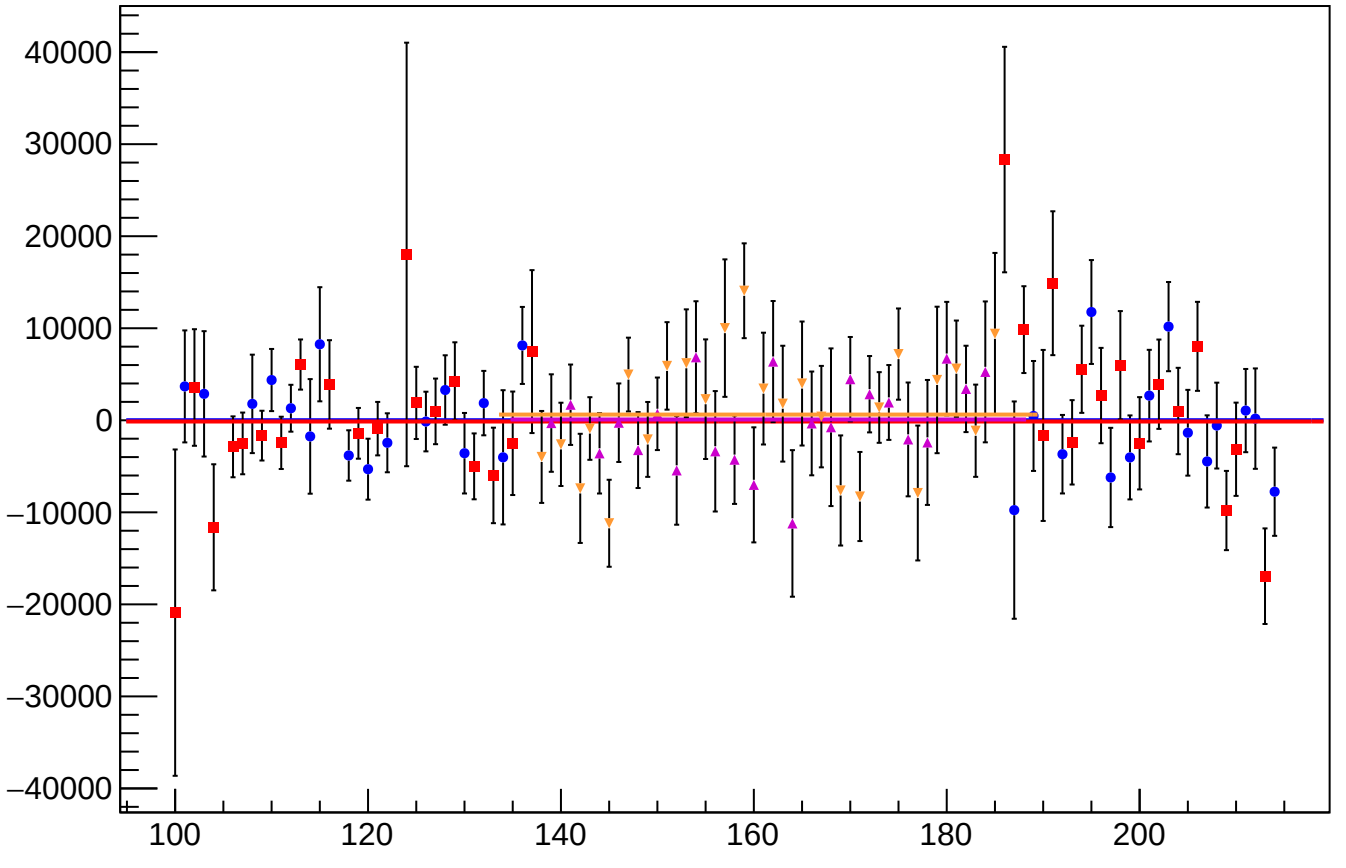
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1654.161+/-0.193 χ^2/NDF: 427912.7/62

In: 1698.057+/-0.199 χ^2/NDF:328137.4/52

Out: 1713.175+/-0.199 χ^2/NDF:413013.7/56

All: 1705.615+/-0.141 χ^2/NDF: 744042.7/109



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

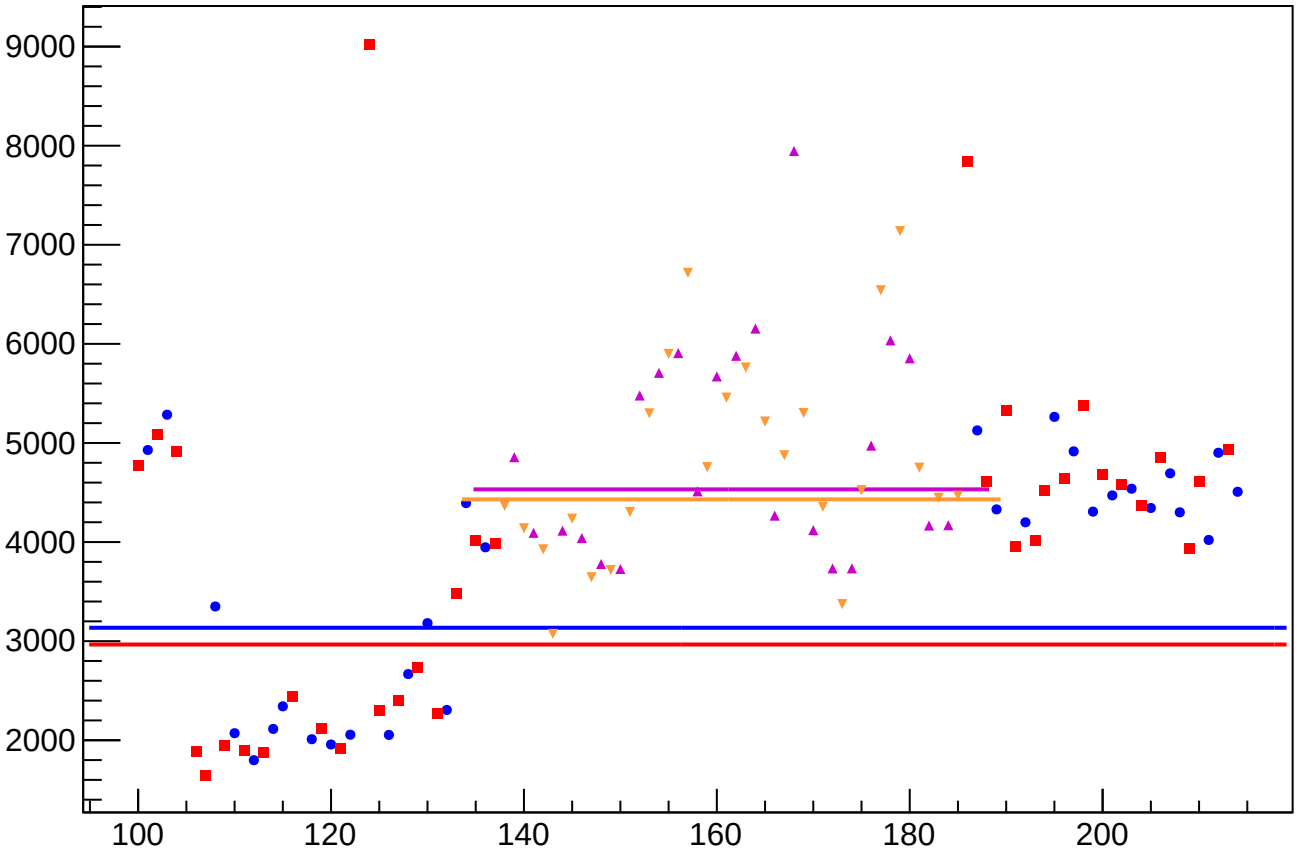
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: -65.629+/-539.371 χ^2/NDF: 86.9/63

In: 35.808+/-635.935 χ^2/NDF:44.4/52

Out: 122.697+/-602.789 χ^2/NDF:88.7/58

All: 81.576+/-437.485 χ^2/NDF: 133.2/111



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

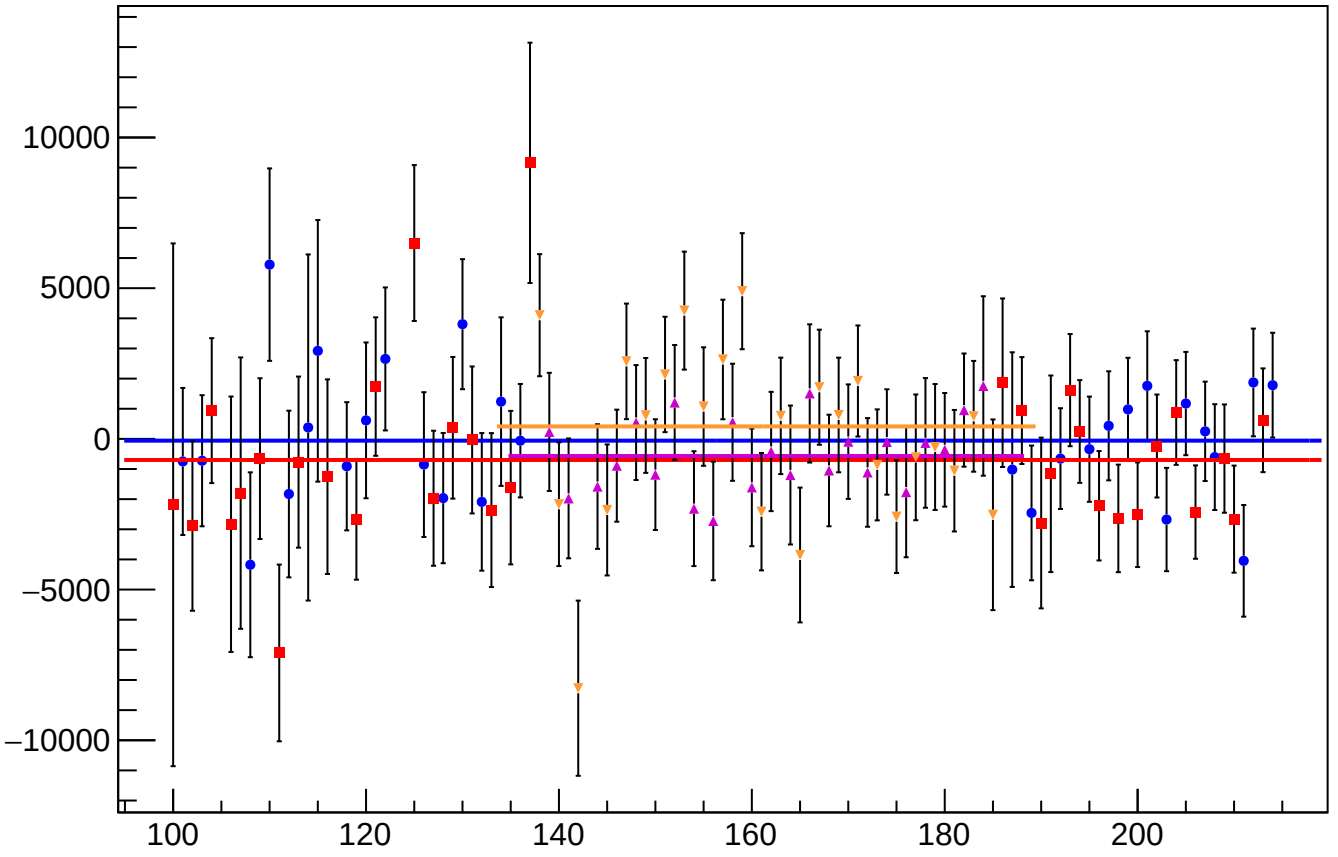
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 3045.833+/-0.381 χ^2/NDF: 10549201.8/63

In: 3617.267+/-0.450 χ^2/NDF:8197922.3/52

Out: 3463.306+/-0.426 χ^2/NDF:10119779.4/58

All: 3536.170+/-0.309 χ^2/NDF: 18379449.7/1



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

Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

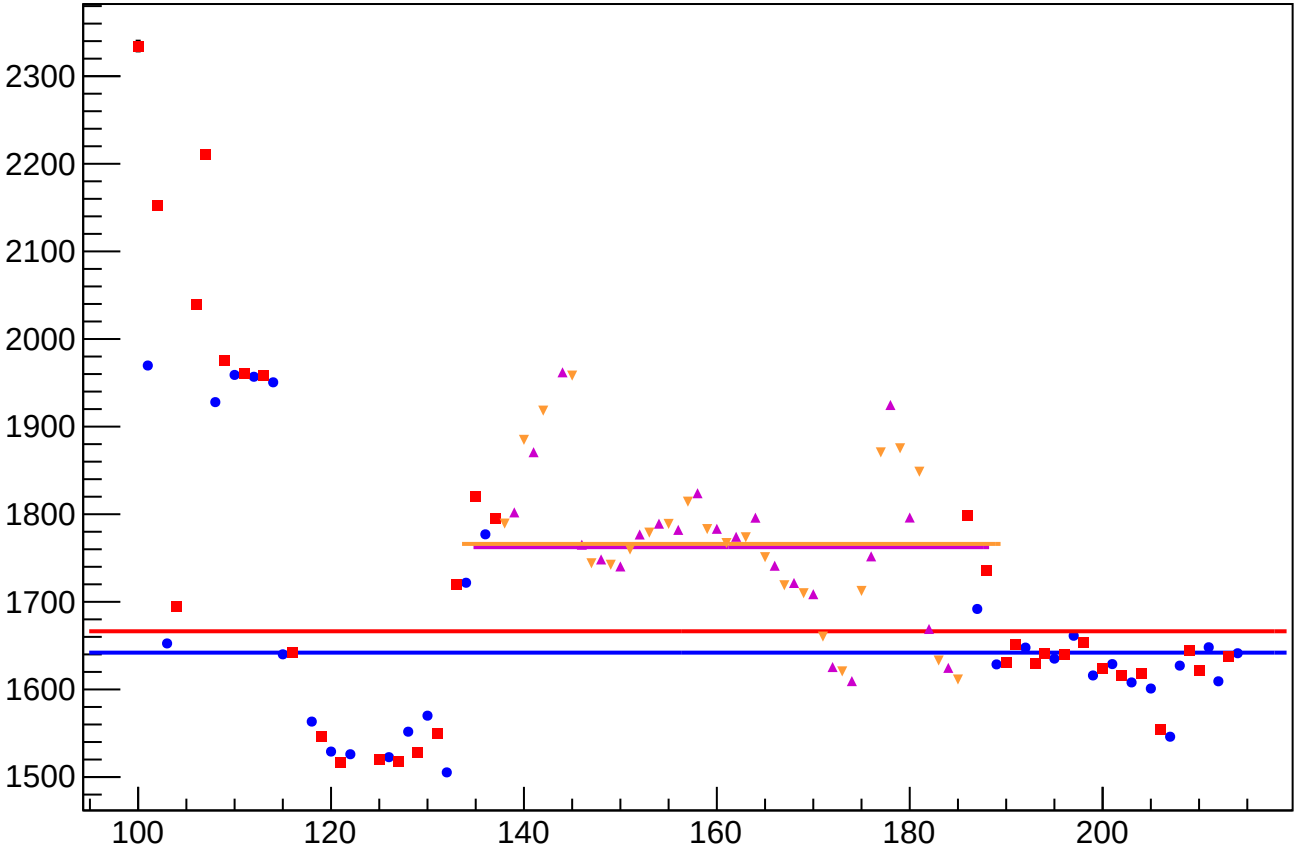
Right: -377.803+/-272.507 χ^2/NDF: 61.3/62

In: -296.251+/-281.131 χ^2/NDF:34.1/52

Out: -177.034+/-281.310 χ^2/NDF:78.3/56

All: -236.680+/-198.853 χ^2/NDF: 112.5/109

eigen_dit_asym_atl_dd_rms vs Slug, Sign Corrected



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

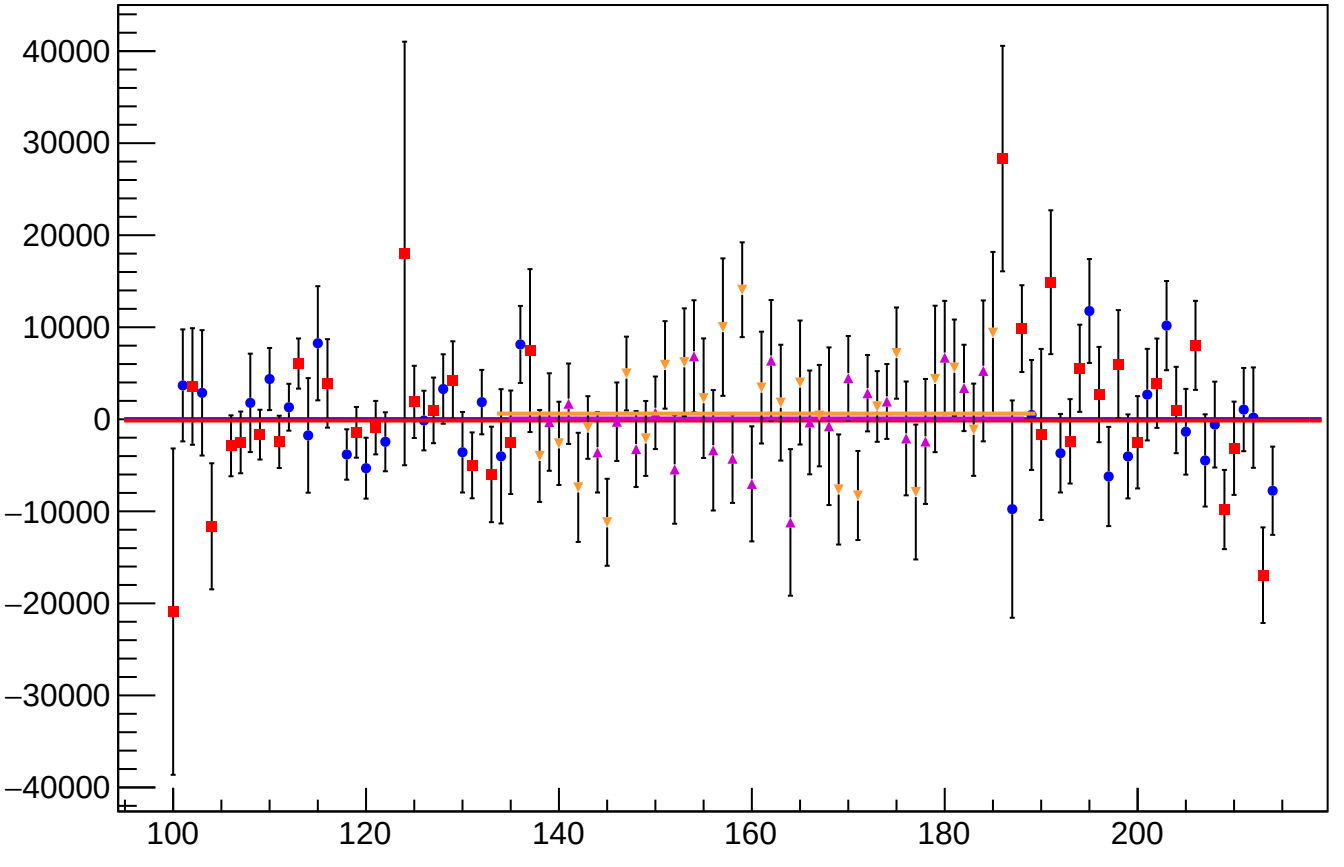
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1654.162+/-0.193 χ^2/NDF: 427911.3/62

In: 1698.057+/-0.199 χ^2/NDF:328141.3/52

Out: 1713.176+/-0.199 χ^2/NDF:413016.4/56

All: 1705.615+/-0.141 χ^2/NDF: 744049.3/109



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

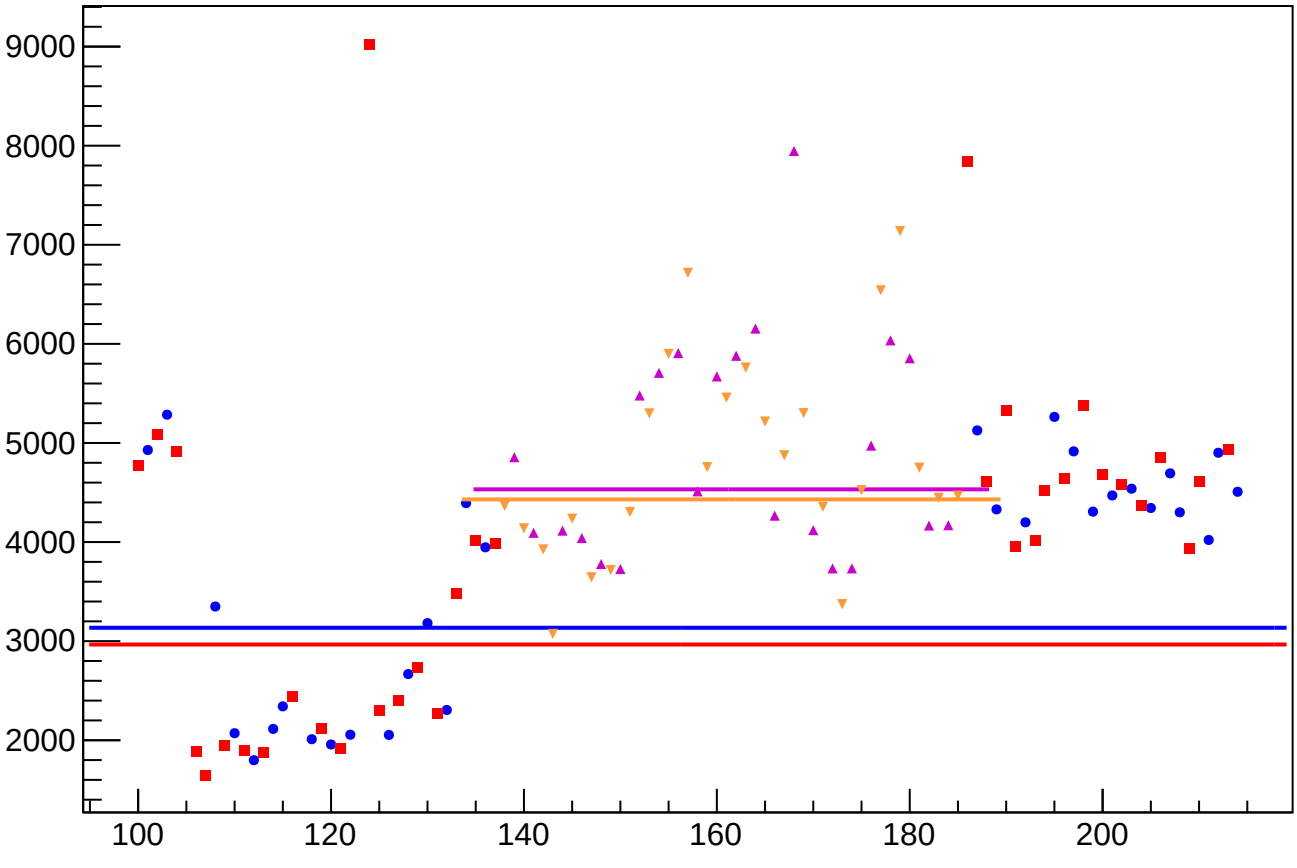
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: -65.632+/-539.370 χ^2/NDF: 86.9/63

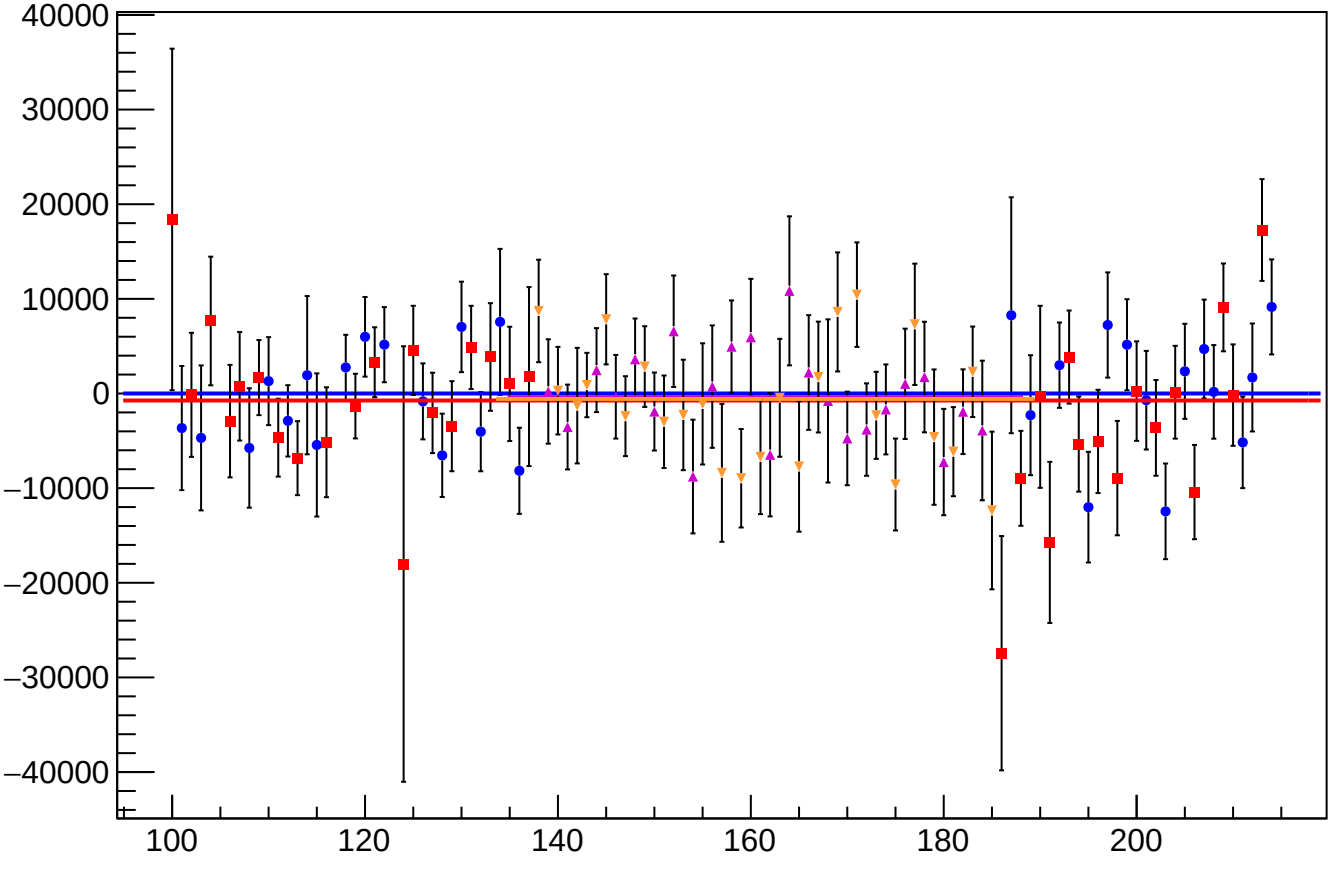
In: 35.806+/-635.934 χ^2/NDF:44.4/52

Out: 122.695+/-602.788 χ^2/NDF:88.7/58

All: 81.574+/-437.484 χ^2/NDF: 133.2/111


asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3135.238+/-0.556 χ²/NDF: 4641119.7/29
Left Out: 4430.803+/-0.732 χ²/NDF:1613274.9/24
Right Out: 2966.181+/-0.524 χ²/NDF: 5859263.9/33
Left In: 4531.951+/-0.765 χ²/NDF:1376473.4/22
Left: 4479.092+/-0.529 χ²/NDF: 2998873.4/47
Right: 3045.824+/-0.381 χ²/NDF: 10549340.2/63
In: 3617.262+/-0.450 χ²/NDF:8198048.1/52
Out: 3463.300+/-0.426 χ²/NDF:10119899.3/58
All: 3536.164+/-0.309 χ²/NDF: 18379695.5/1

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

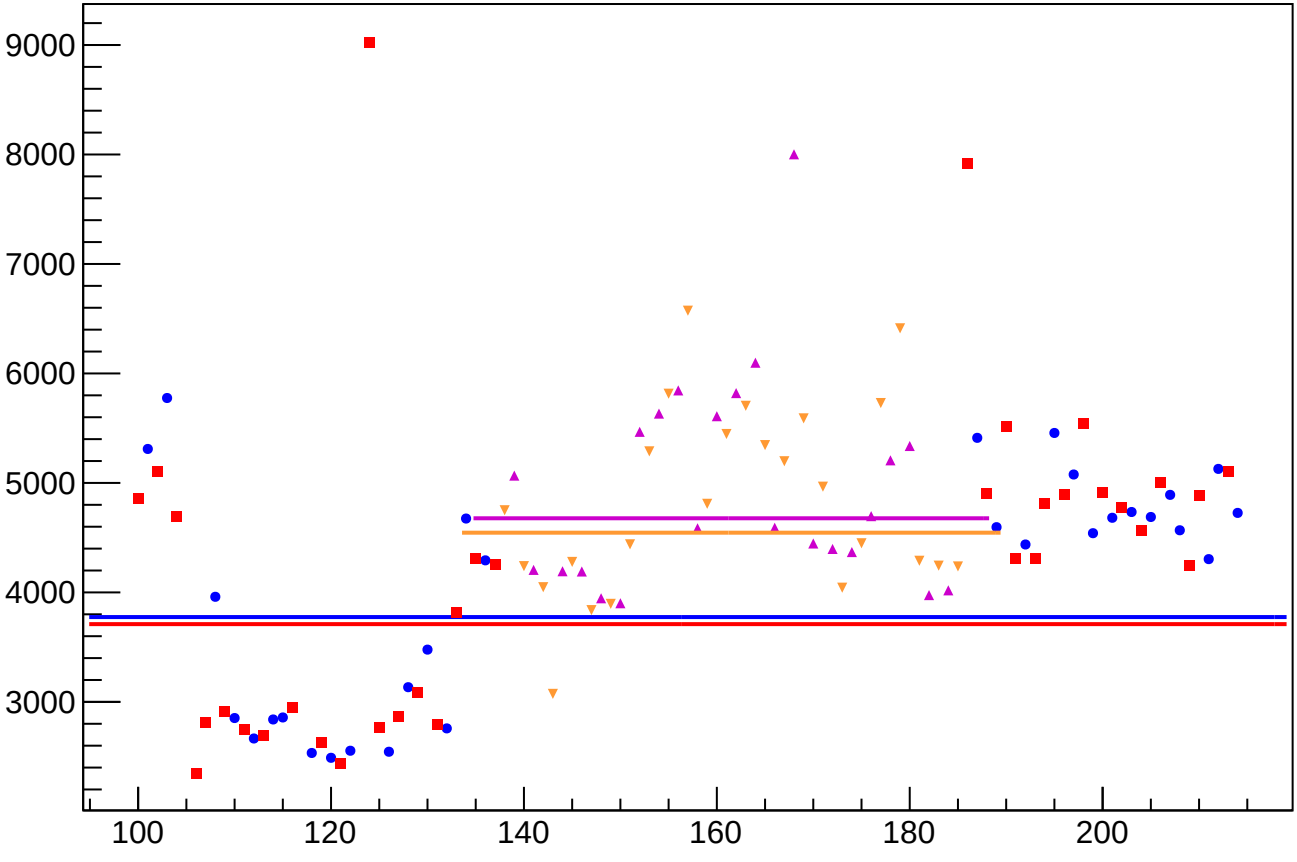
Right: -375.851+/-641.988 χ^2/NDF: 84.3/63

In: -160.887+/-706.823 χ^2/NDF:50.5/52

Out: -668.897+/-684.258 χ^2/NDF:76.4/58

All: -423.131+/-491.627 χ^2/NDF: 127.1/111

asym_atl_dd_rms vs Slug, Sign Corrected



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

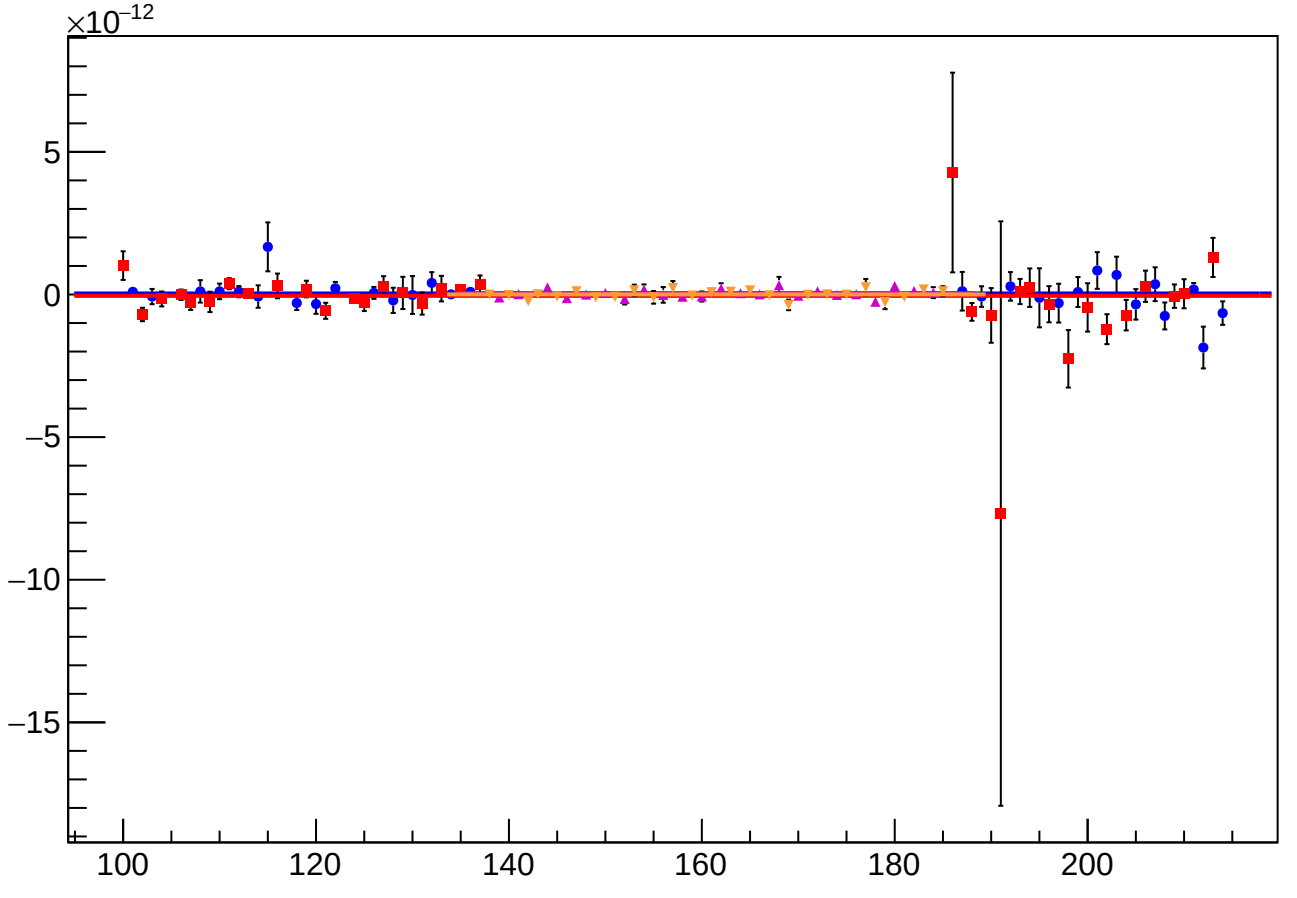
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3741.609+/-0.452 χ^2/NDF: 5649588.2/63

In: 4140.962+/-0.500 χ^2/NDF:4331744.8/52

Out: 4058.348+/-0.482 χ^2/NDF:5048413.8/58

All: 4098.117+/-0.347 χ^2/NDF: 9394328.5/11



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.6/33

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

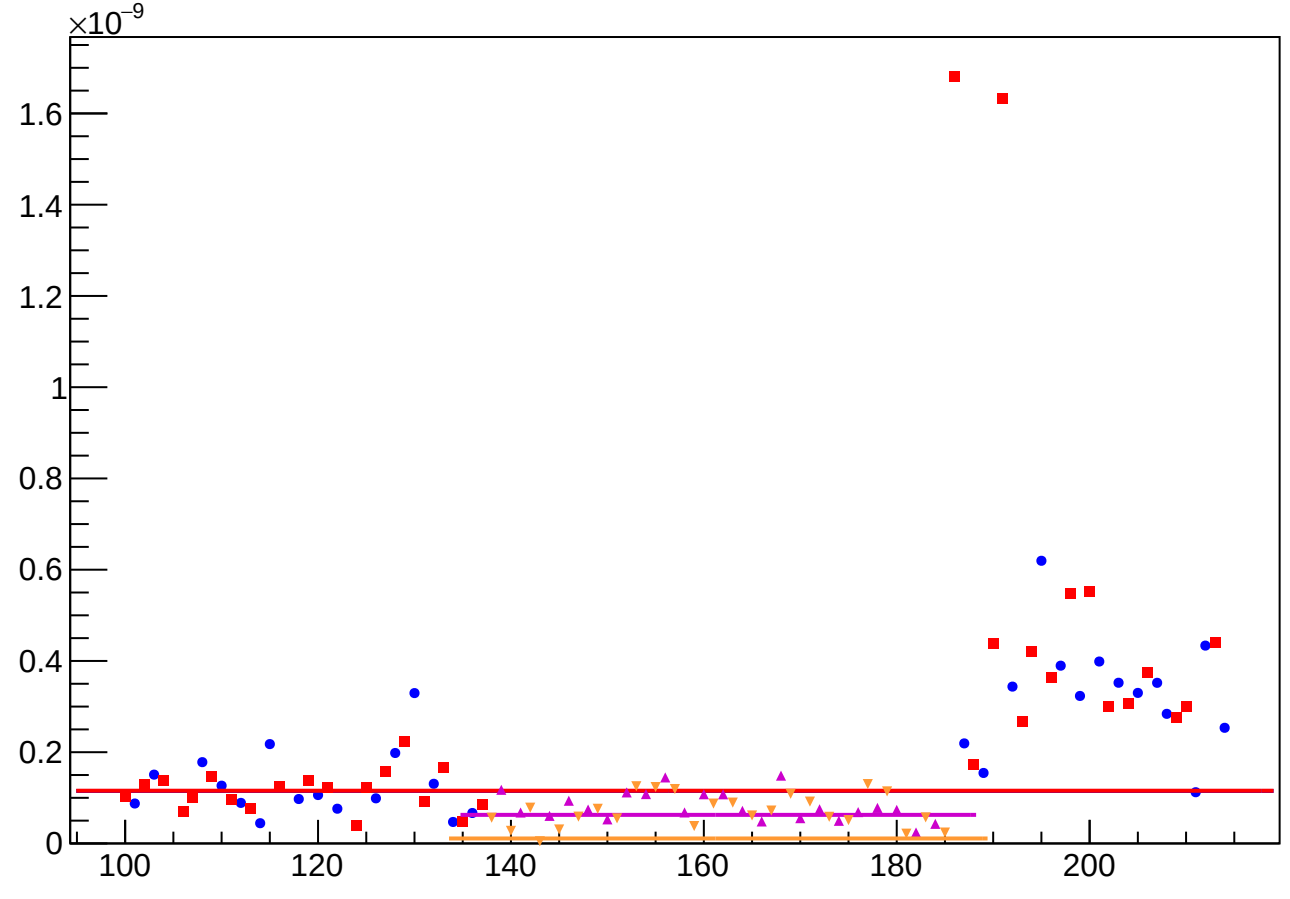
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: -0.000+/-0.000 χ^2/NDF: 80.0/63

In: 0.000+/-0.000 χ^2/NDF:46.8/52

Out: 0.000+/-0.000 χ^2/NDF:71.7/58

All: 0.000+/-0.000 χ^2/NDF: 121.1/111



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

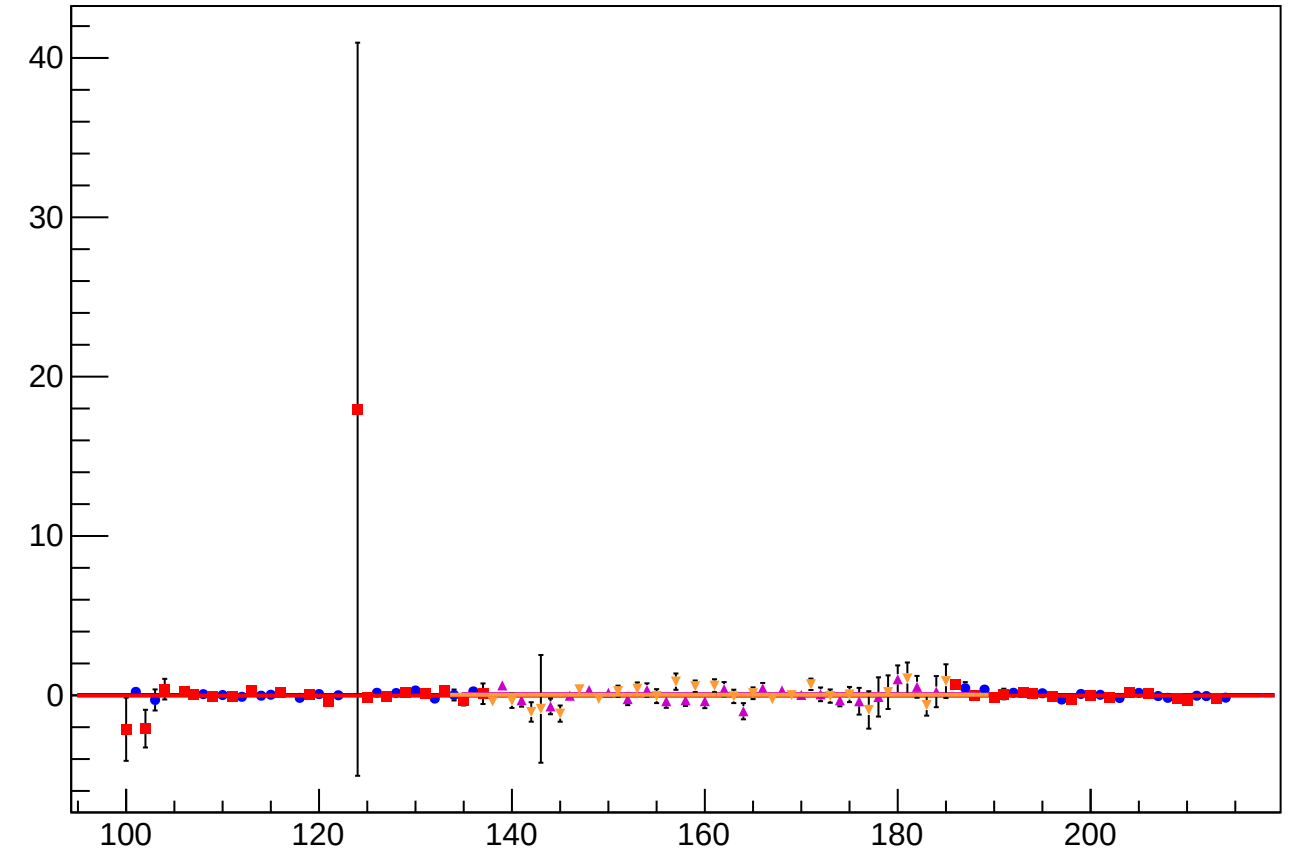
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11187194.3/63

In: 0.000+/-0.000 χ^2/NDF:8875970.6/52

Out: 0.000+/-0.000 χ^2/NDF:23605487.7/58

All: 0.000+/-0.000 χ^2/NDF: 44253375.8/111



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

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

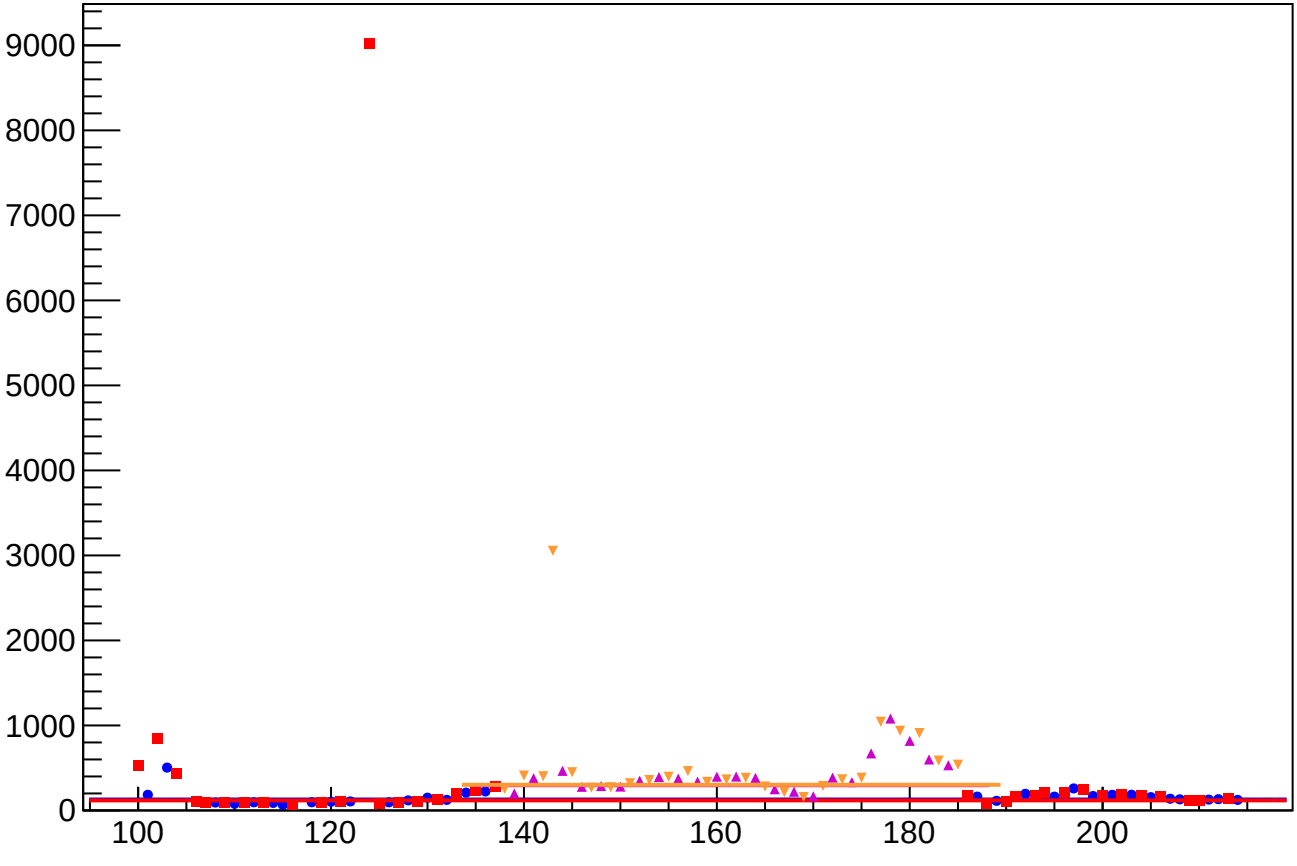
Right: -0.001+/-0.022 χ^2/NDF: 65.5/63

In: 0.029+/-0.030 χ^2/NDF:46.2/52

Out: -0.012+/-0.028 χ^2/NDF:73.2/58

All: 0.007+/-0.021 χ^2/NDF: 120.4/111

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

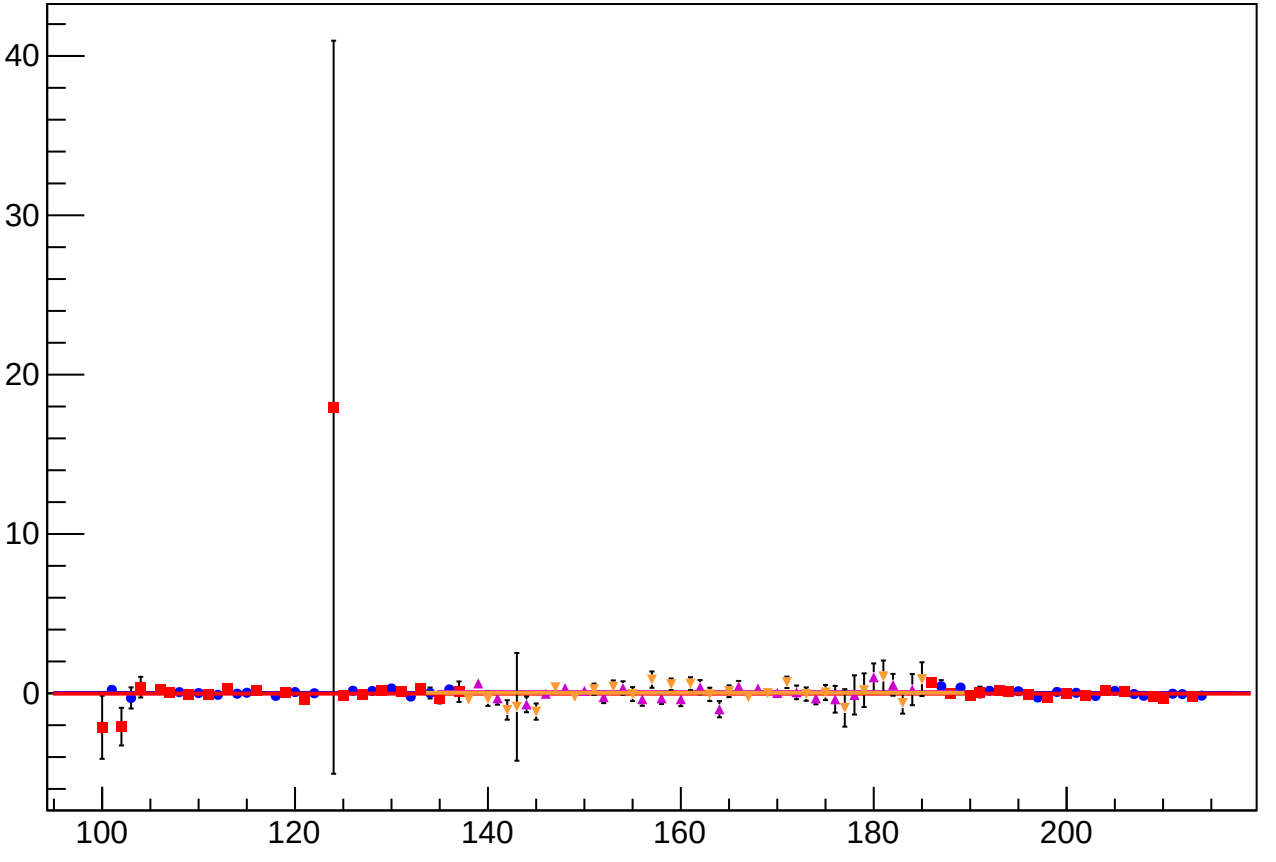
Right: 123.319+/-0.016 χ^2/NDF: 9014692.4/63

In: 154.579+/-0.021 χ^2/NDF:16719606.7/52

Out: 143.593+/-0.020 χ^2/NDF:21941867.8/58

All: 148.823+/-0.015 χ^2/NDF: 38804055.4/1

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

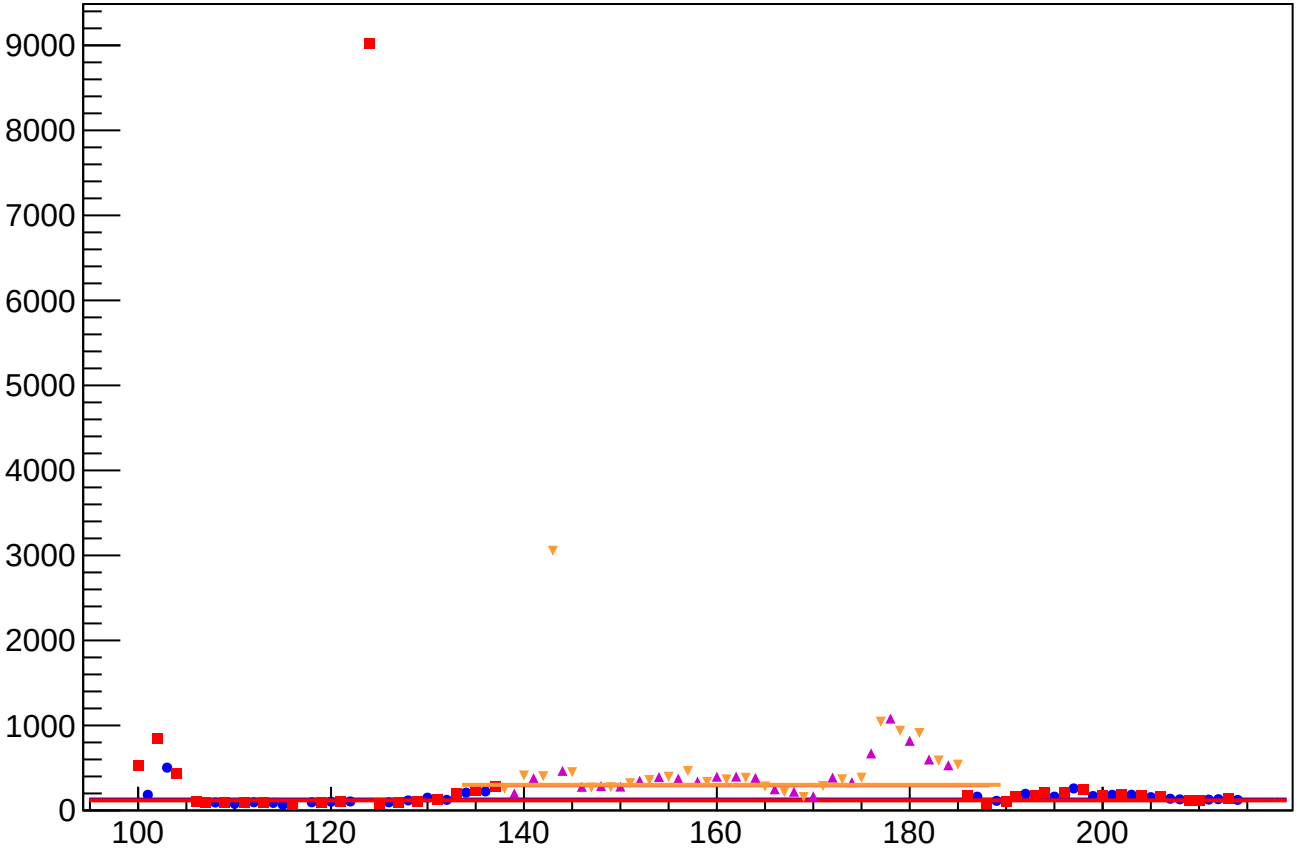
Right: -0.001+/-0.022 χ^2/NDF: 65.5/63

In: 0.029+/-0.030 χ^2/NDF:46.2/52

Out: -0.012+/-0.028 χ^2/NDF:73.2/58

All: 0.007+/-0.021 χ^2/NDF: 120.4/111

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

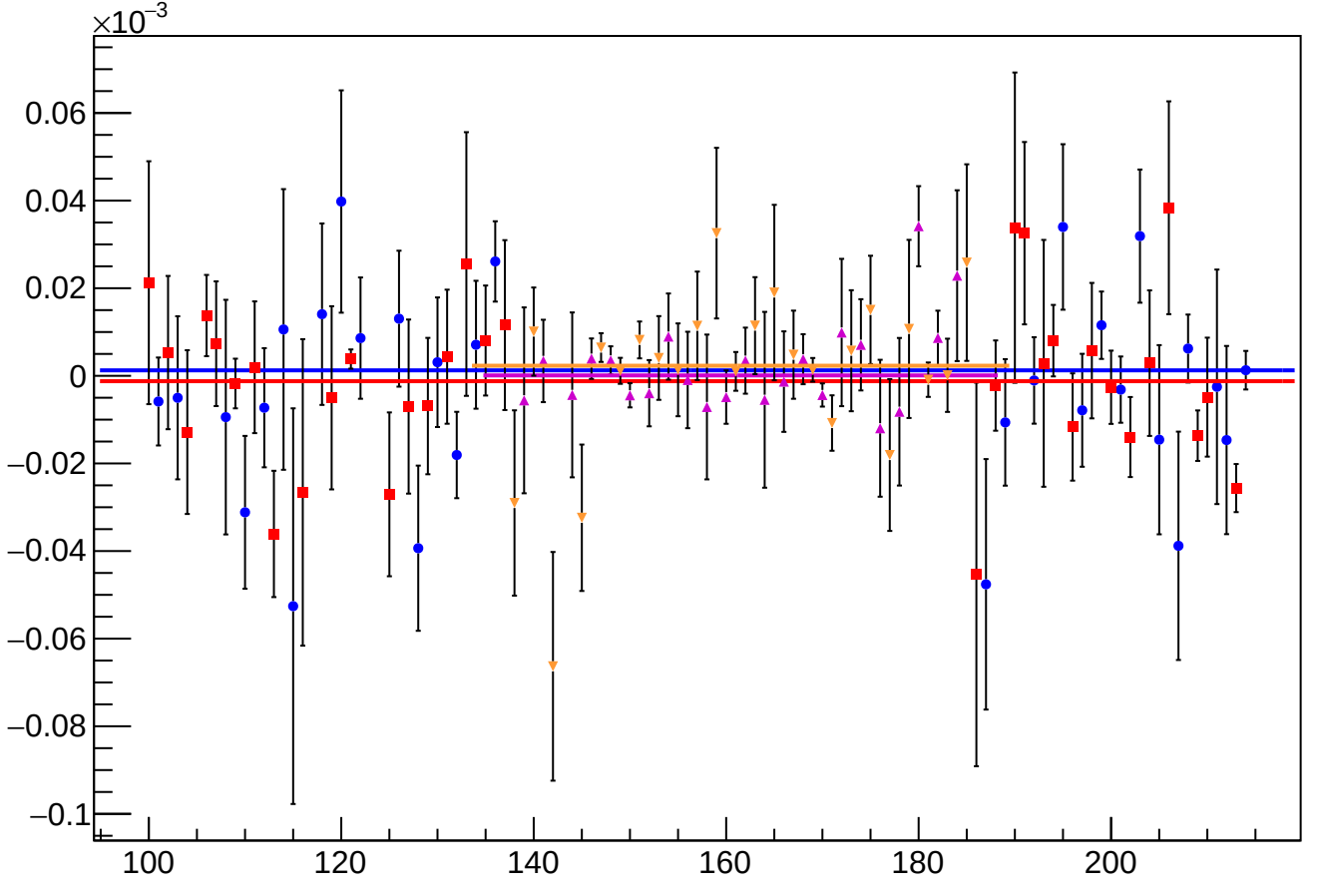
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 123.319+/-0.016 χ^2/NDF: 9014692.4/63

In: 154.579+/-0.021 χ^2/NDF:16719606.7/52

Out: 143.593+/-0.020 χ^2/NDF:21941867.8/58

All: 148.823+/-0.015 χ^2/NDF: 38804055.4/1



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

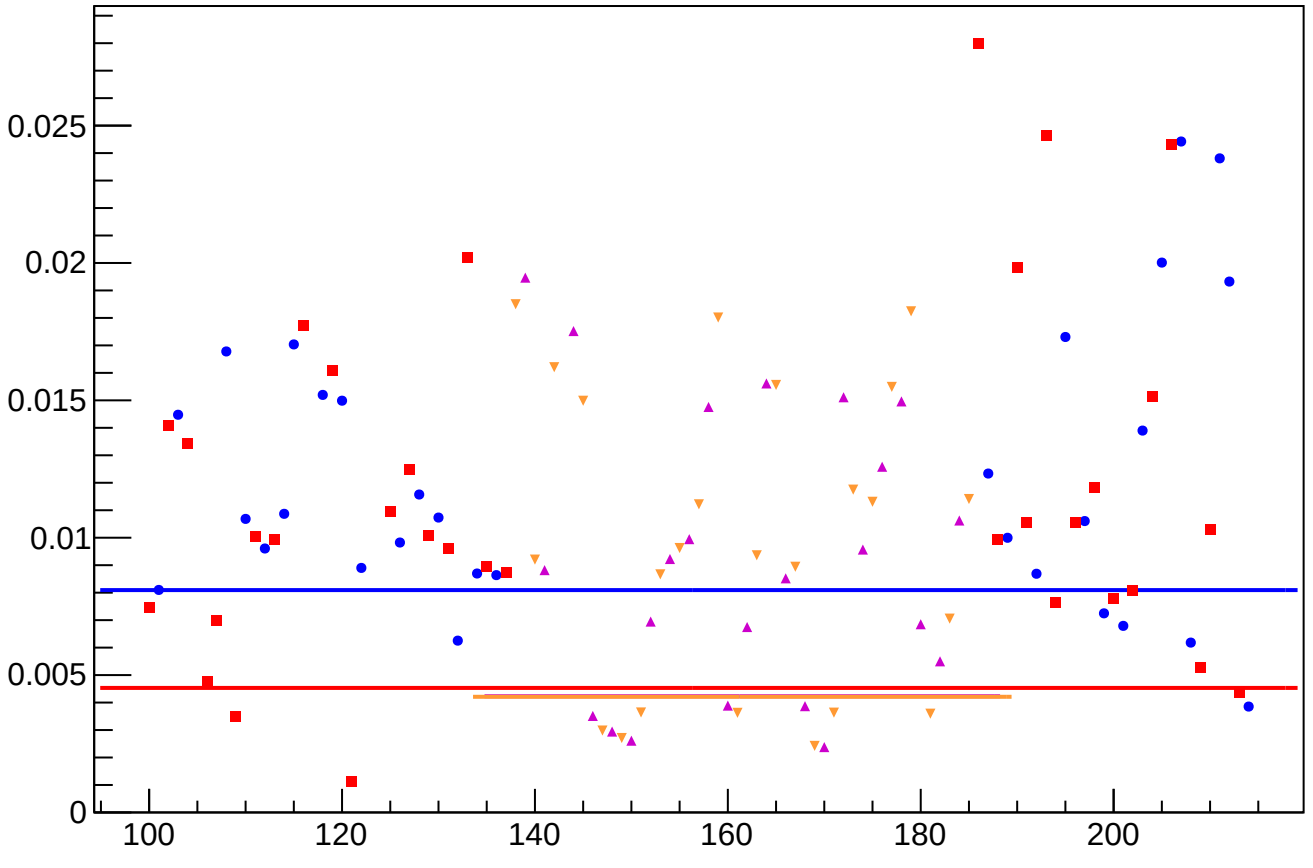
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: -0.000+/-0.000 χ^2/NDF: 99.8/62

In: 0.000+/-0.000 χ^2/NDF:72.2/52

Out: 0.000+/-0.000 χ^2/NDF:90.4/56

All: 0.000+/-0.000 χ^2/NDF: 162.7/109



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

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

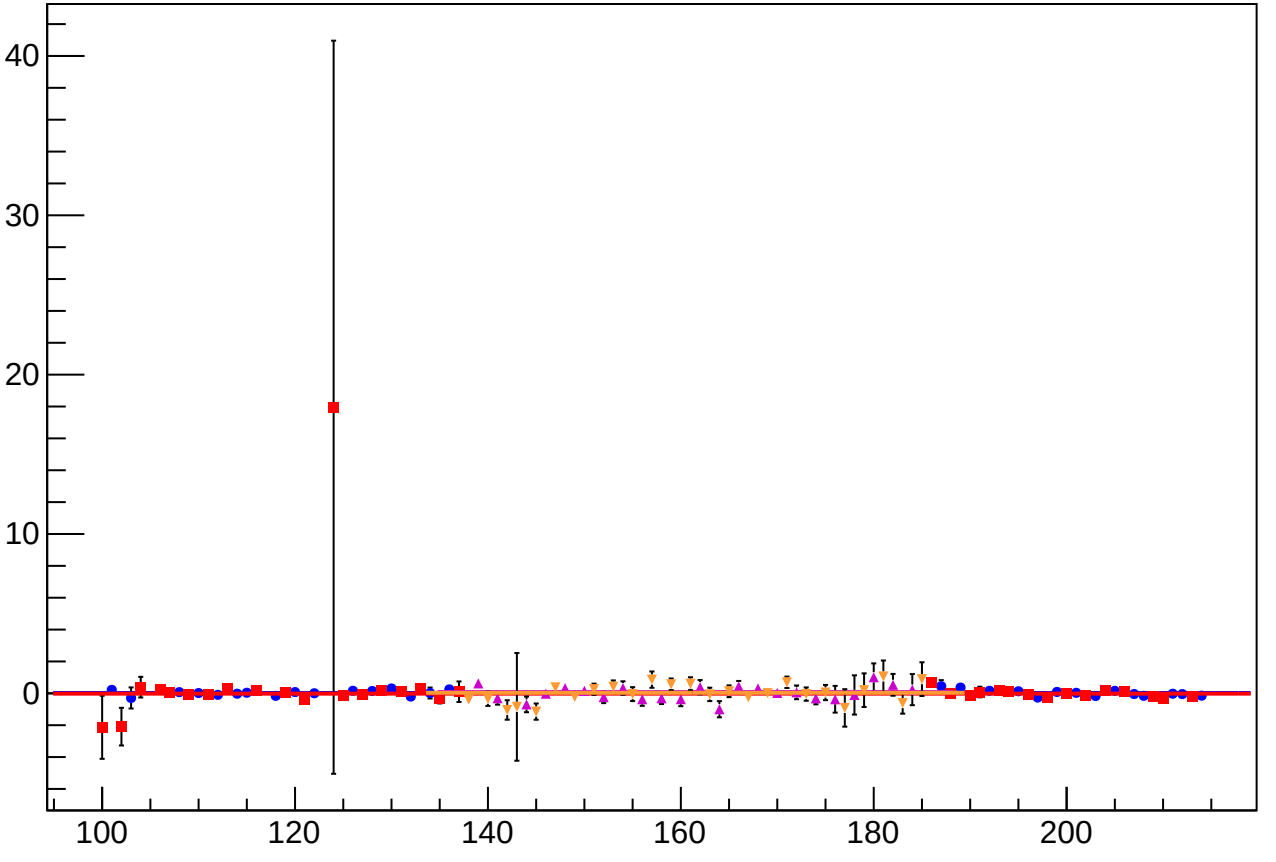
Right: 0.006+/-0.000 χ^2/NDF: 26933615.6/62

In: 0.005+/-0.000 χ^2/NDF:22591868.3/52

Out: 0.004+/-0.000 χ^2/NDF:28595462.7/56

All: 0.005+/-0.000 χ^2/NDF: 51898212.5/109

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

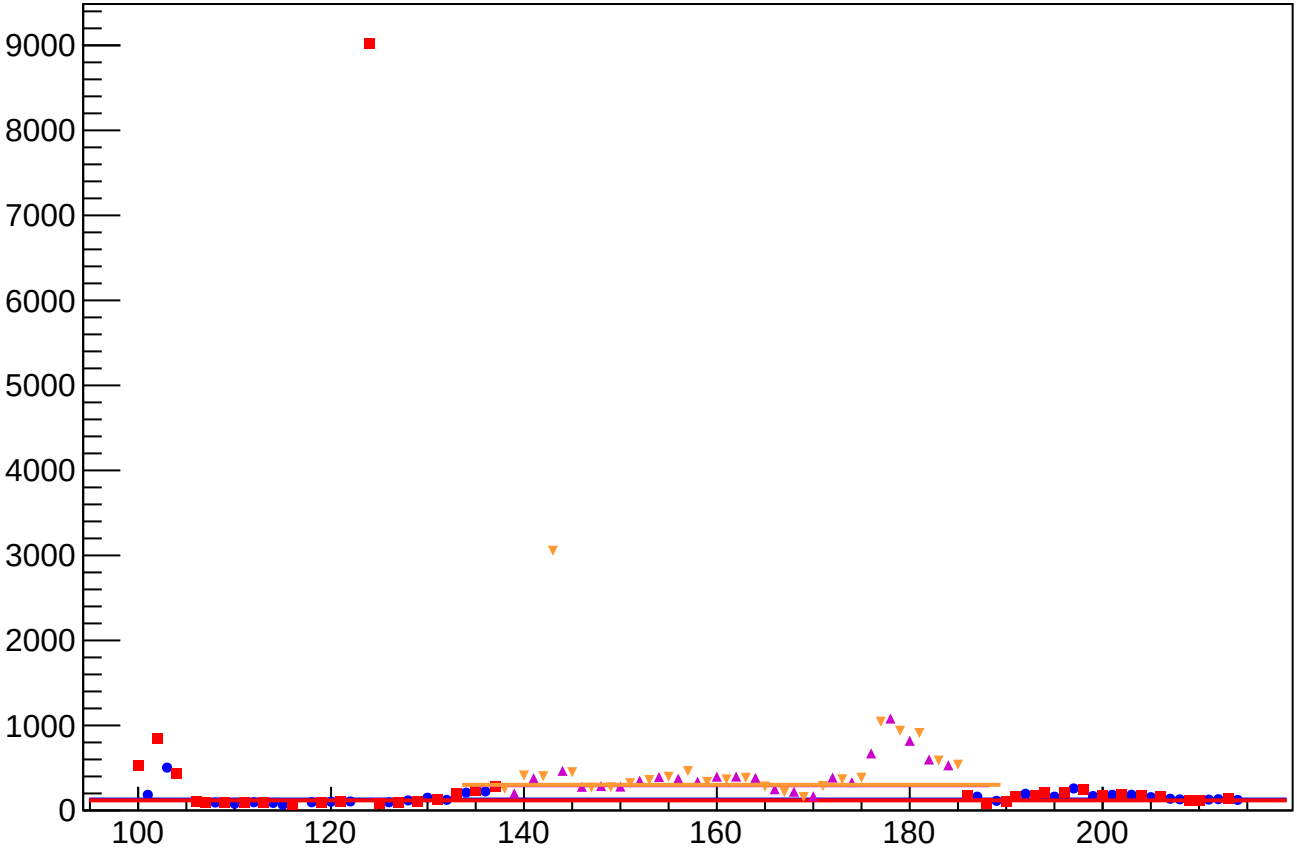
Right: -0.001+/-0.022 χ^2/NDF: 65.5/63

In: 0.029+/-0.030 χ^2/NDF:46.2/52

Out: -0.012+/-0.028 χ^2/NDF:73.2/58

All: 0.007+/-0.021 χ^2/NDF: 120.4/111

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

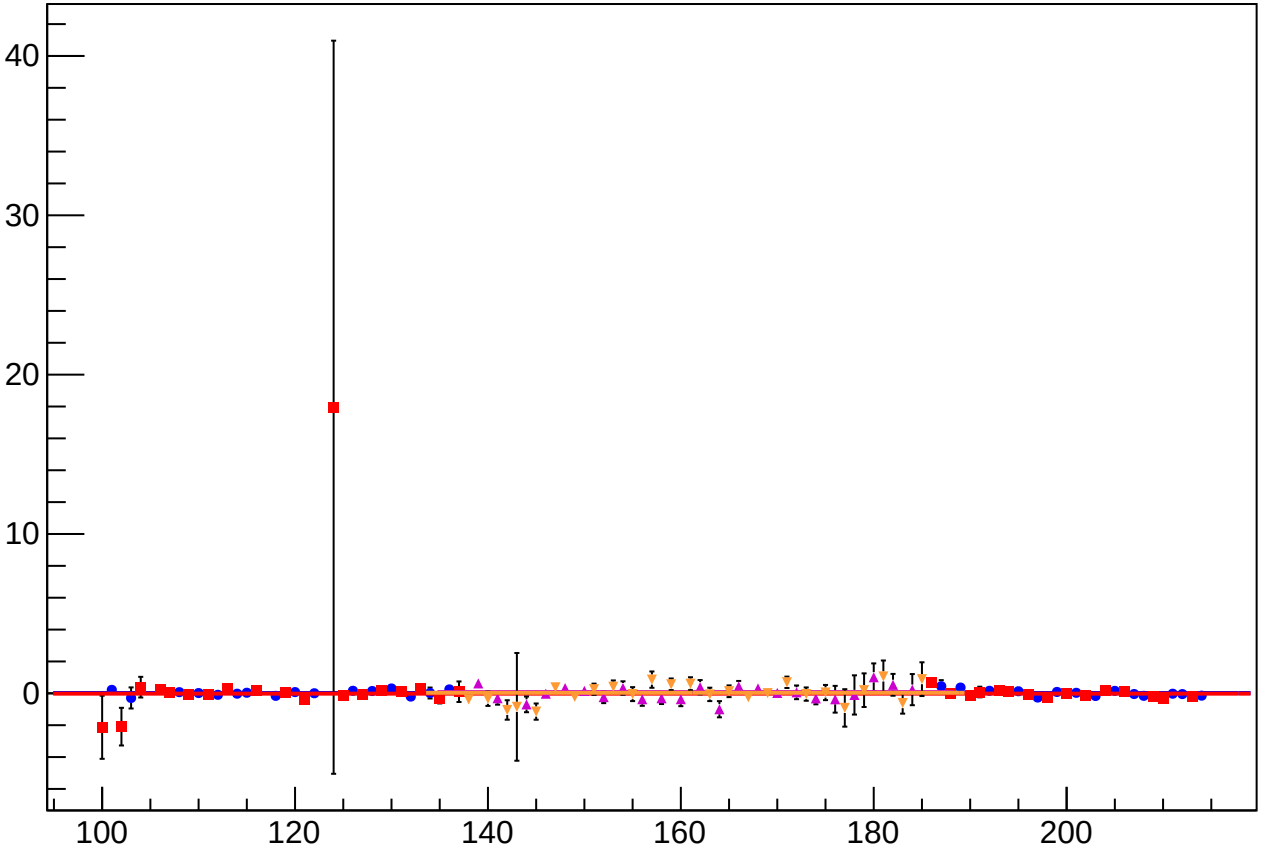
Right: 123.320+/-0.016 χ^2/NDF: 9014611.9/63

In: 154.580+/-0.021 χ^2/NDF:16719570.1/52

Out: 143.594+/-0.020 χ^2/NDF:21941832.2/58

All: 148.824+/-0.015 χ^2/NDF: 38803994.9/1

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

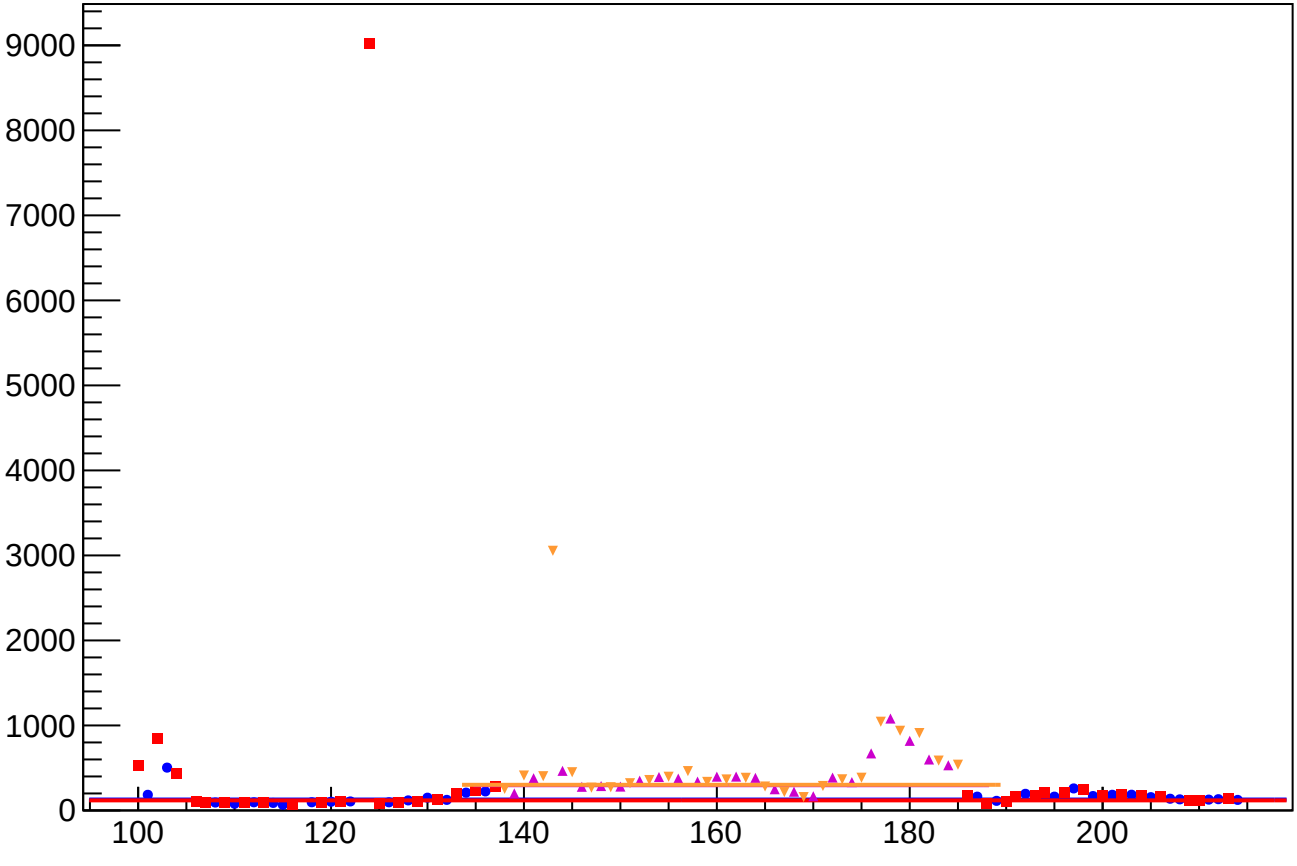
Right: -0.001+/-0.022 χ^2/NDF: 65.5/63

In: 0.029+/-0.030 χ^2/NDF:46.2/52

Out: -0.012+/-0.028 χ^2/NDF:73.2/58

All: 0.007+/-0.021 χ^2/NDF: 120.4/111

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

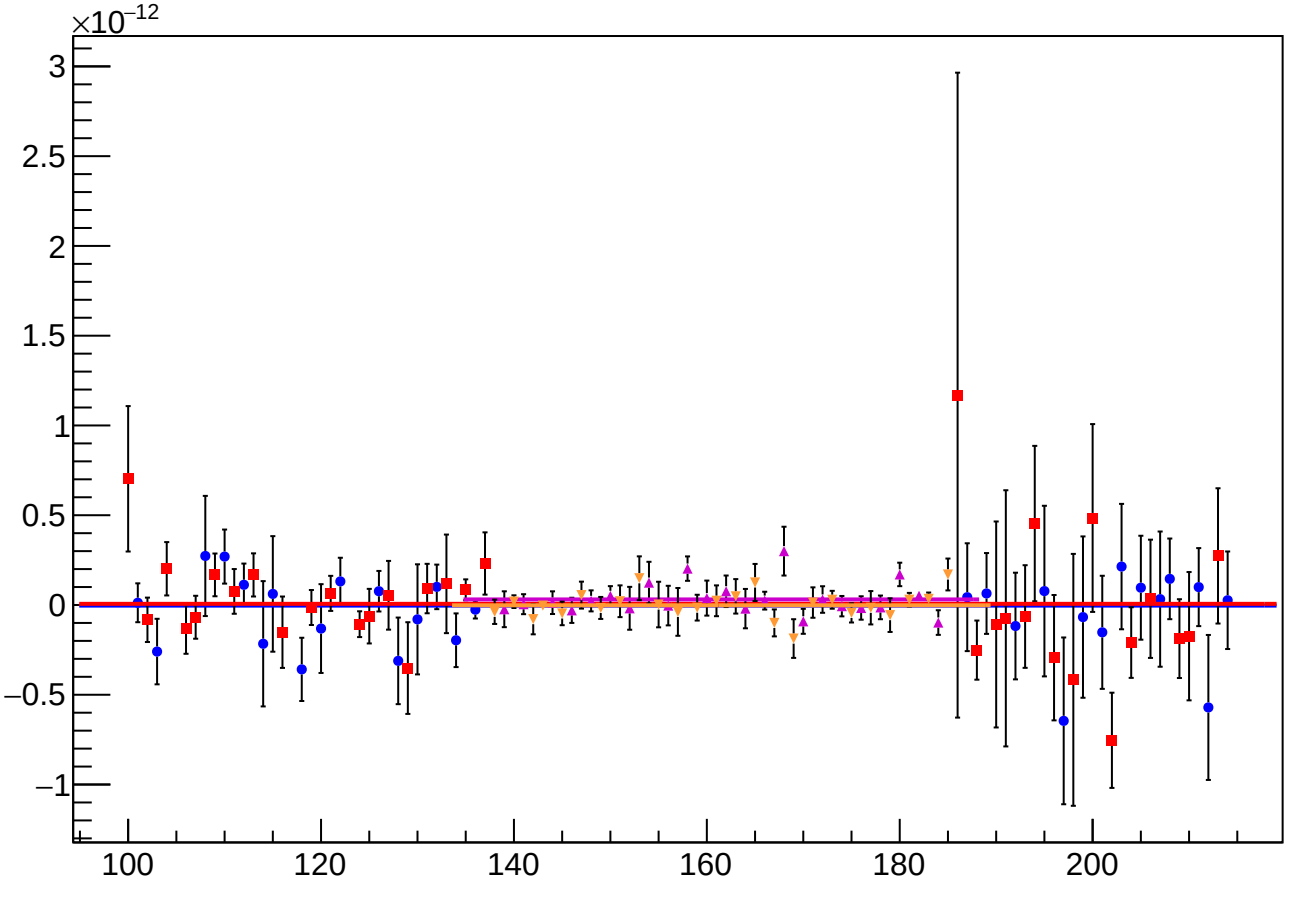
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 123.320+/-0.016 χ^2/NDF: 9014611.9/63

In: 154.580+/-0.021 χ^2/NDF:16719570.1/52

Out: 143.594+/-0.020 χ^2/NDF:21941832.2/58

All: 148.824+/-0.015 χ^2/NDF: 38803994.9/11



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

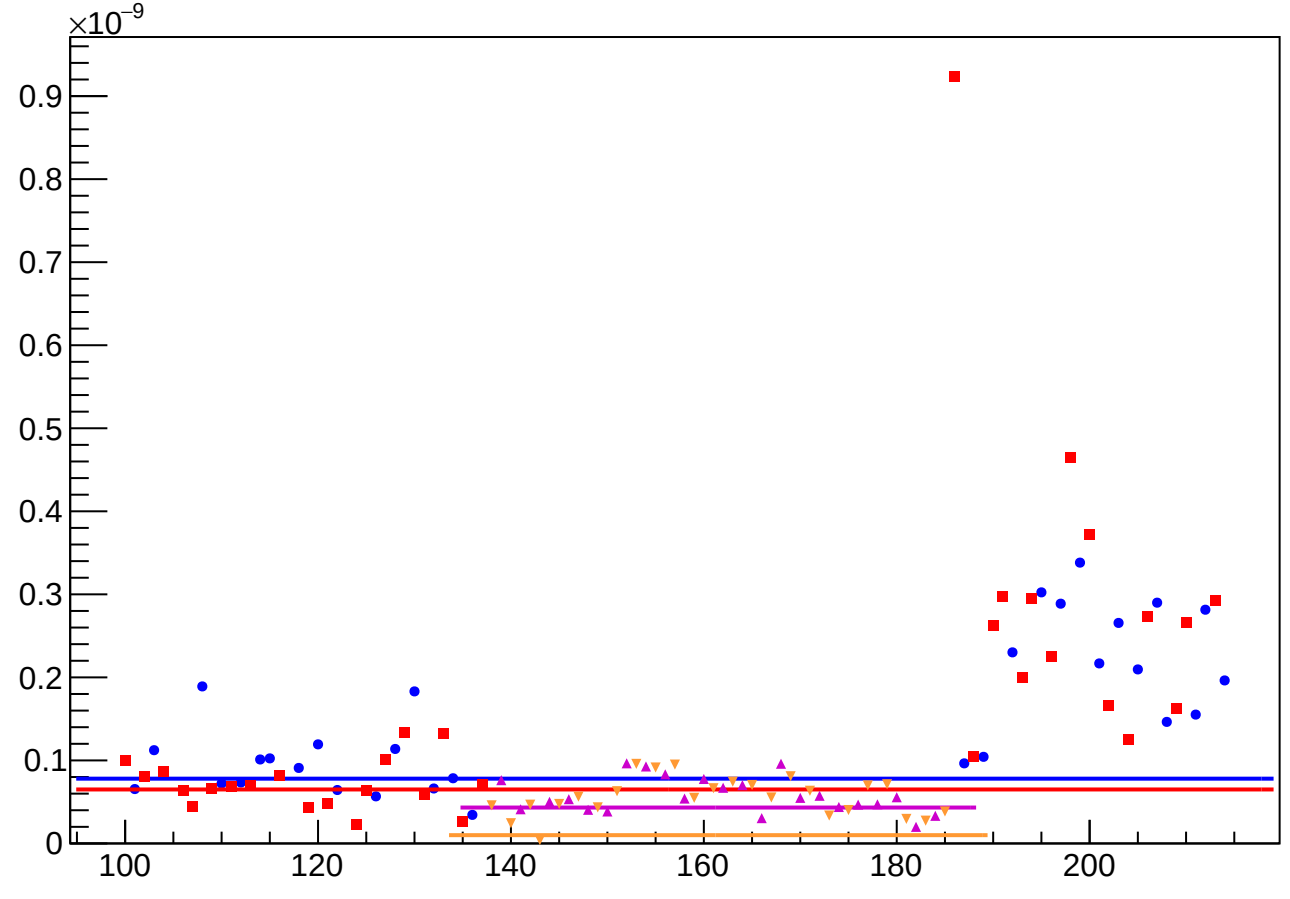
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 60.4/63

In: 0.000+/-0.000 χ^2/NDF:50.6/52

Out: -0.000+/-0.000 χ^2/NDF:55.1/58

All: 0.000+/-0.000 χ^2/NDF: 109.7/111



Right In: 0.000+/-0.000 χ^2/NDF: 7790465.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9036504.4/33

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

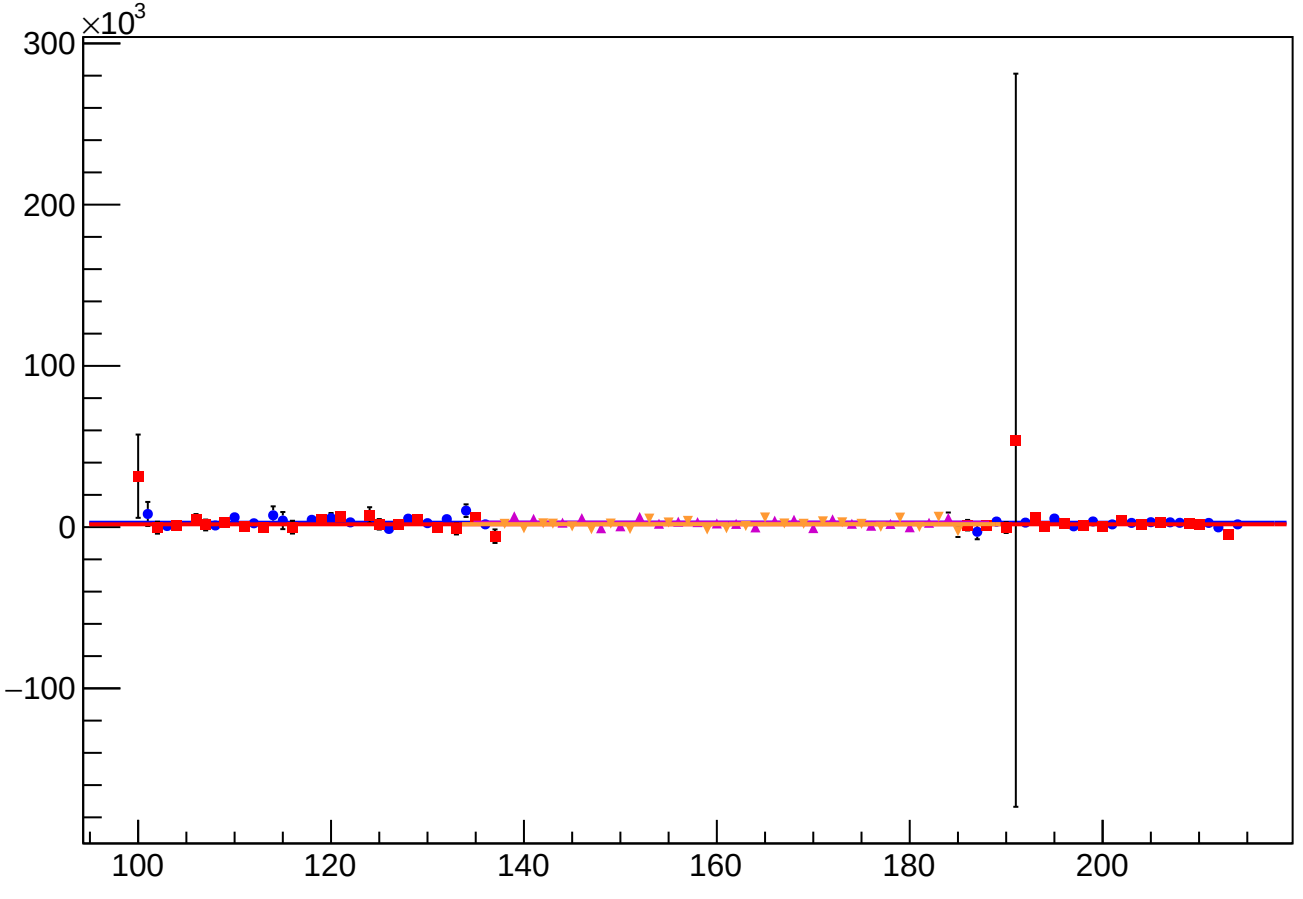
Right: 0.000+/-0.000 χ^2/NDF: 17047404.5/63

In: 0.000+/-0.000 χ^2/NDF:14147082.8/52

Out: 0.000+/-0.000 χ^2/NDF:36351506.0/58

All: 0.000+/-0.000 χ^2/NDF: 66384693.6/111

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

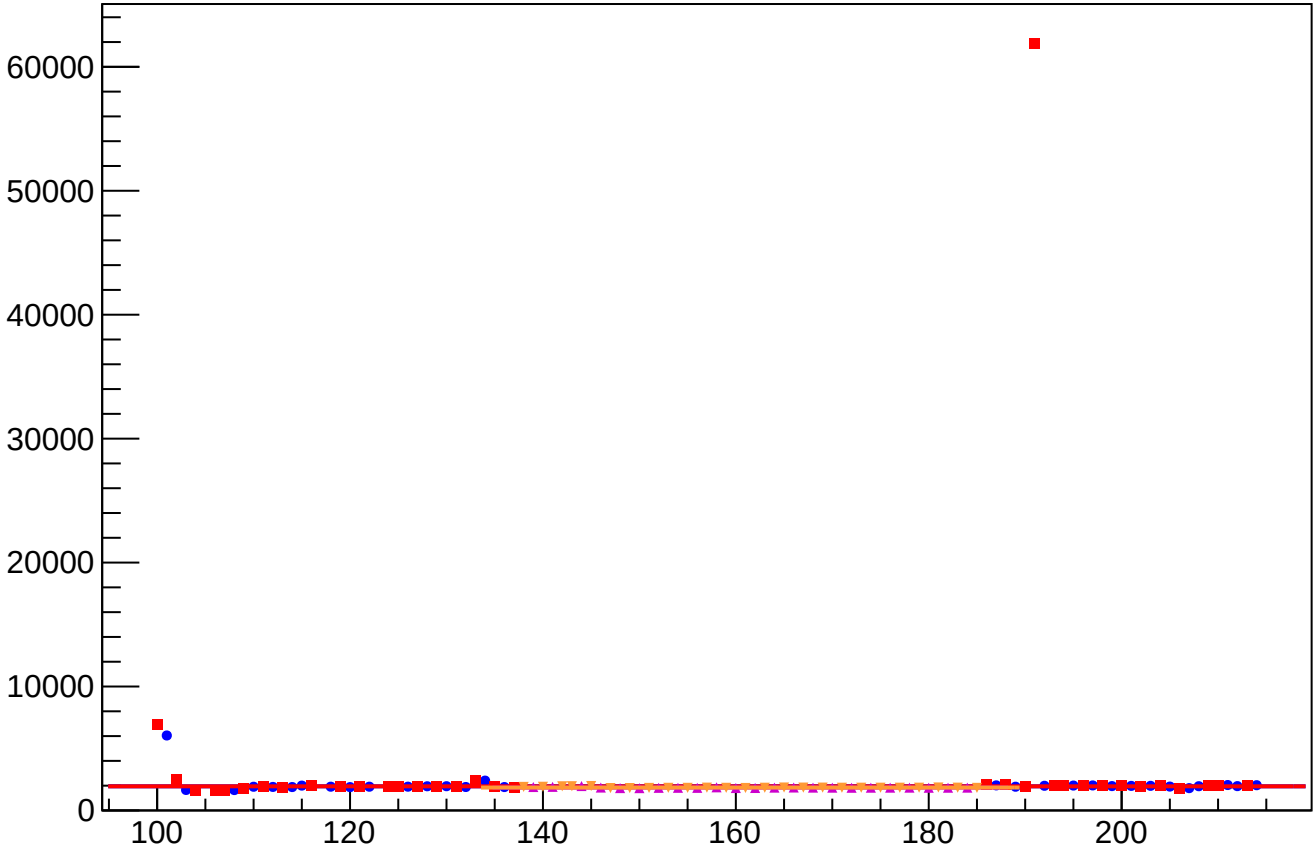
Right: 2238.369+/-323.123 χ^2/NDF: 53.7/63

In: 2757.832+/-314.355 χ^2/NDF:43.9/52

Out: 1805.381+/-308.408 χ^2/NDF:64.4/58

All: 2272.512+/-220.150 χ^2/NDF: 113.0/111

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

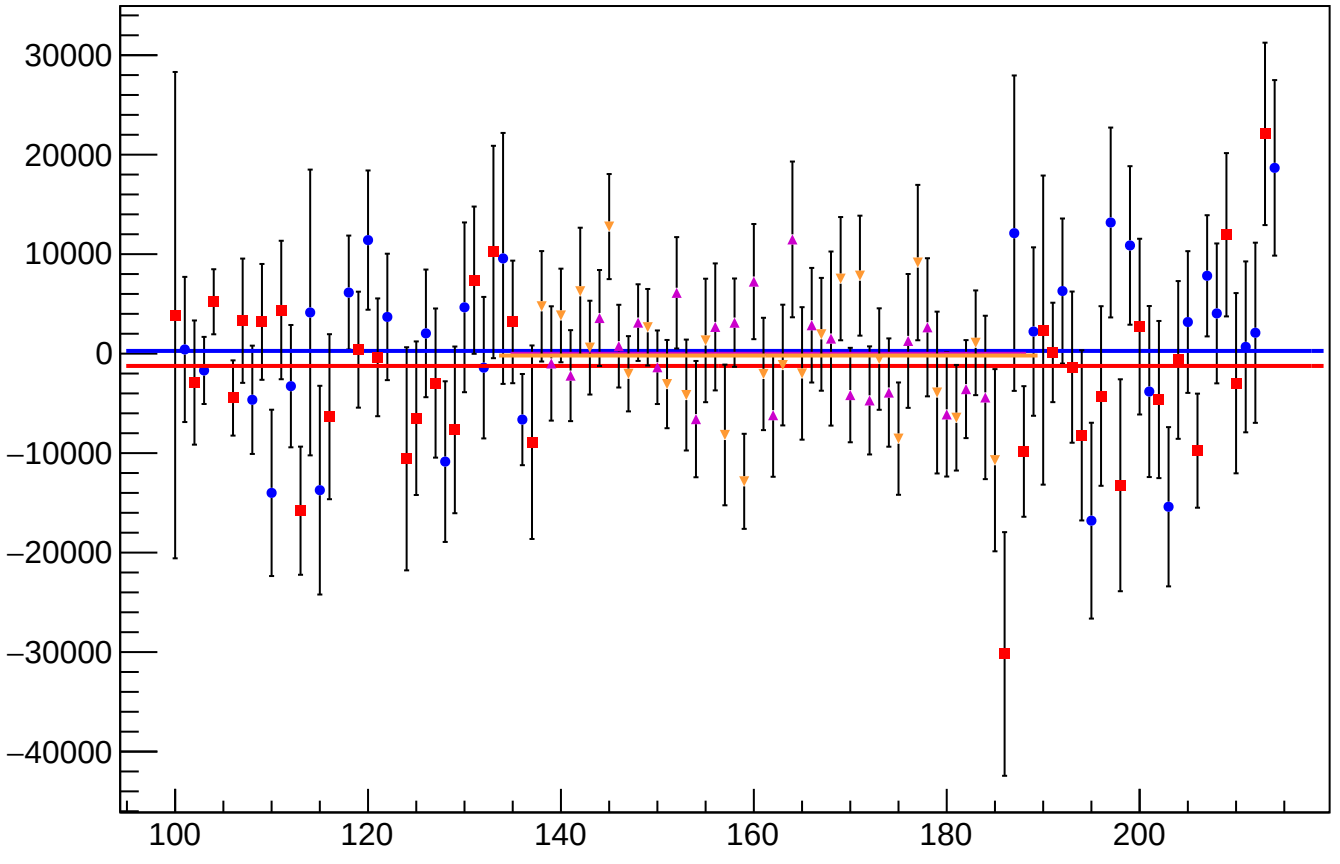
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1948.151+/-0.228 χ^2/NDF: 1151019.1/63

In: 1893.507+/-0.222 χ^2/NDF:794556.4/52

Out: 1894.281+/-0.218 χ^2/NDF:496871.1/58

All: 1893.902+/-0.156 χ^2/NDF: 1291433.7/11



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

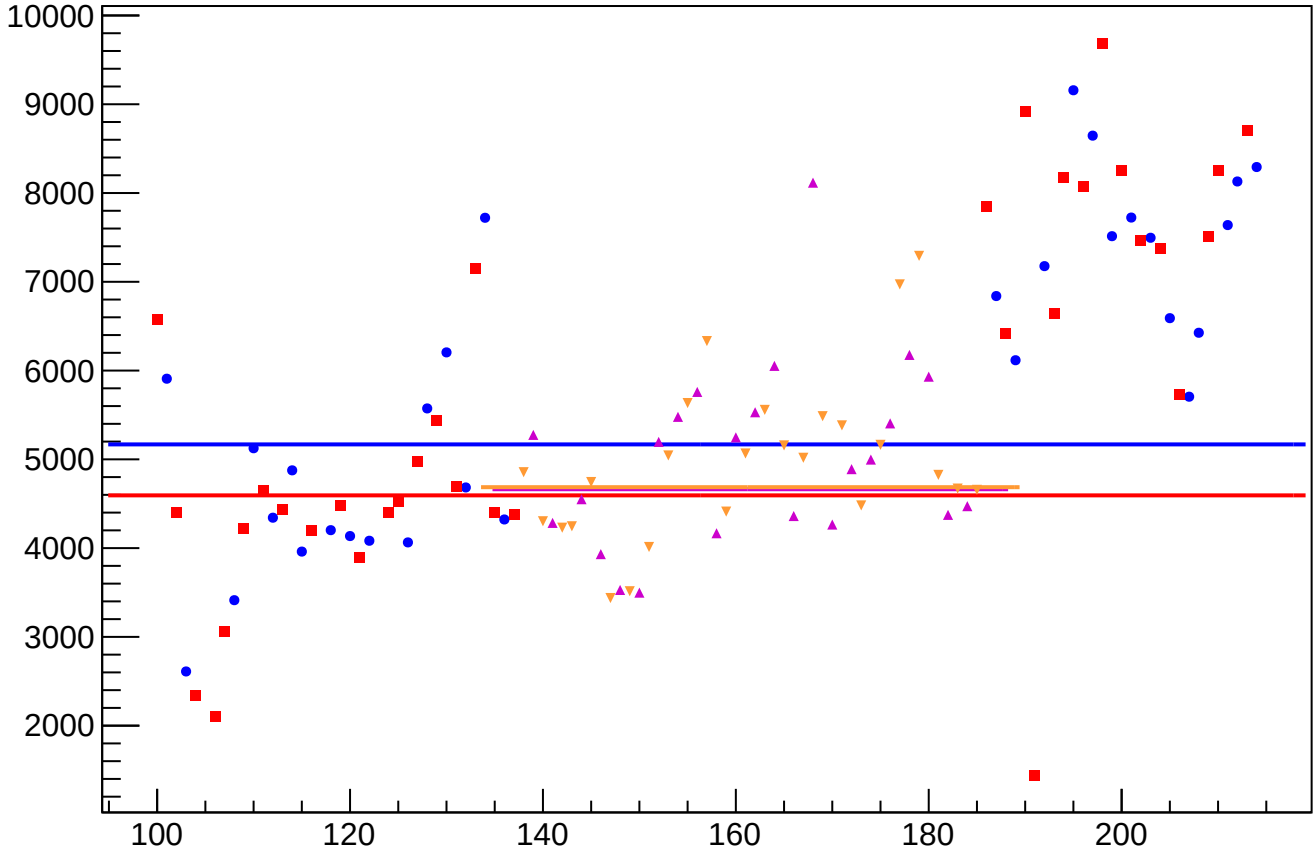
Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

Right: -549.691+/-866.961 χ^2/NDF: 73.0/63

In: 105.612+/-840.920 χ^2/NDF:47.3/52

Out: -673.607+/-798.593 χ^2/NDF:68.0/58

All: -304.101+/-579.076 χ^2/NDF: 115.8/111



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

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

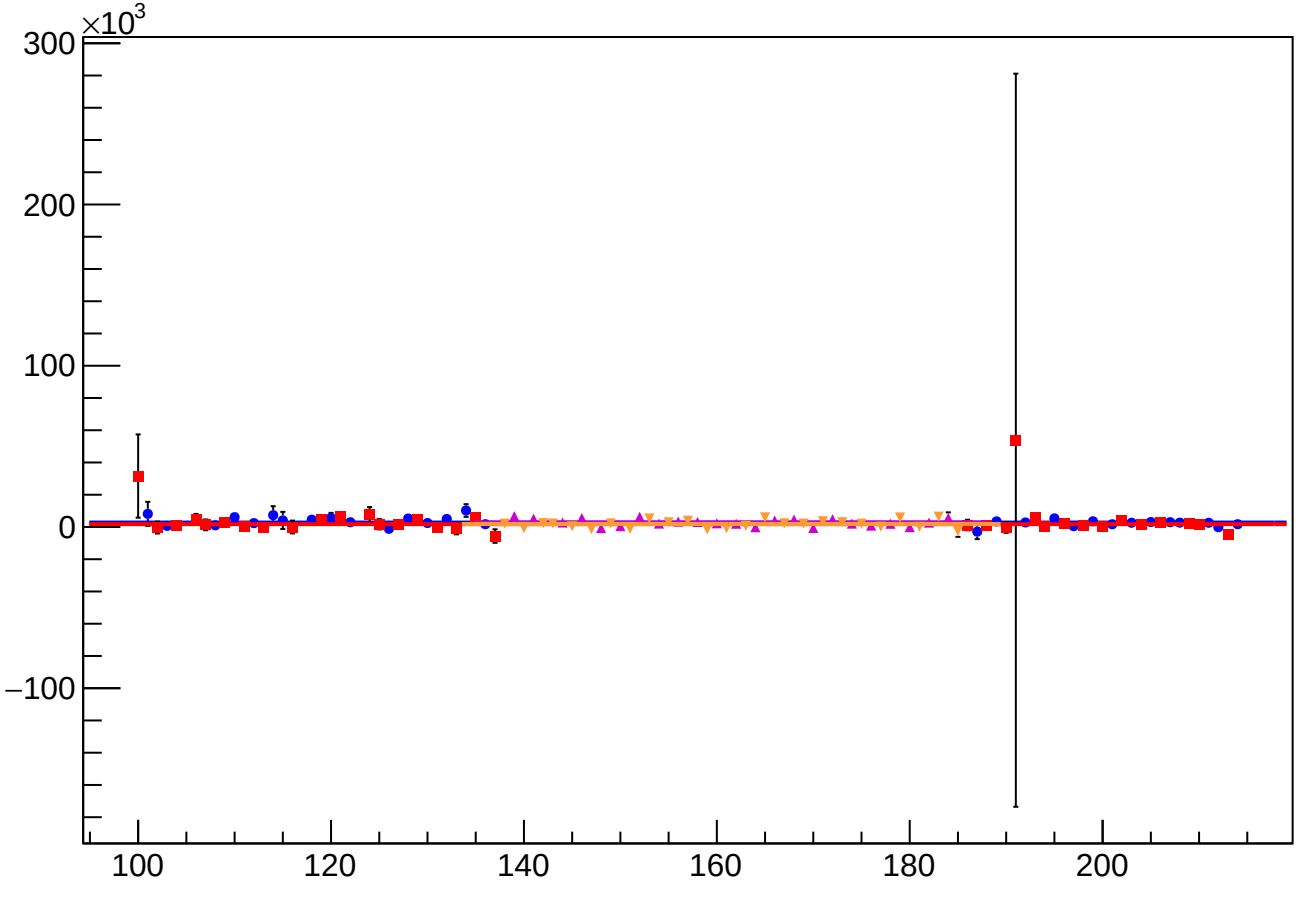
Right: 4855.827+/-0.613 χ^2/NDF: 10726395.7/63

In: 4879.806+/-0.595 χ^2/NDF:5419250.3/52

Out: 4643.792+/-0.565 χ^2/NDF:7744695.6/58

All: 4755.710+/-0.409 χ^2/NDF: 13246781.6/1

cor_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

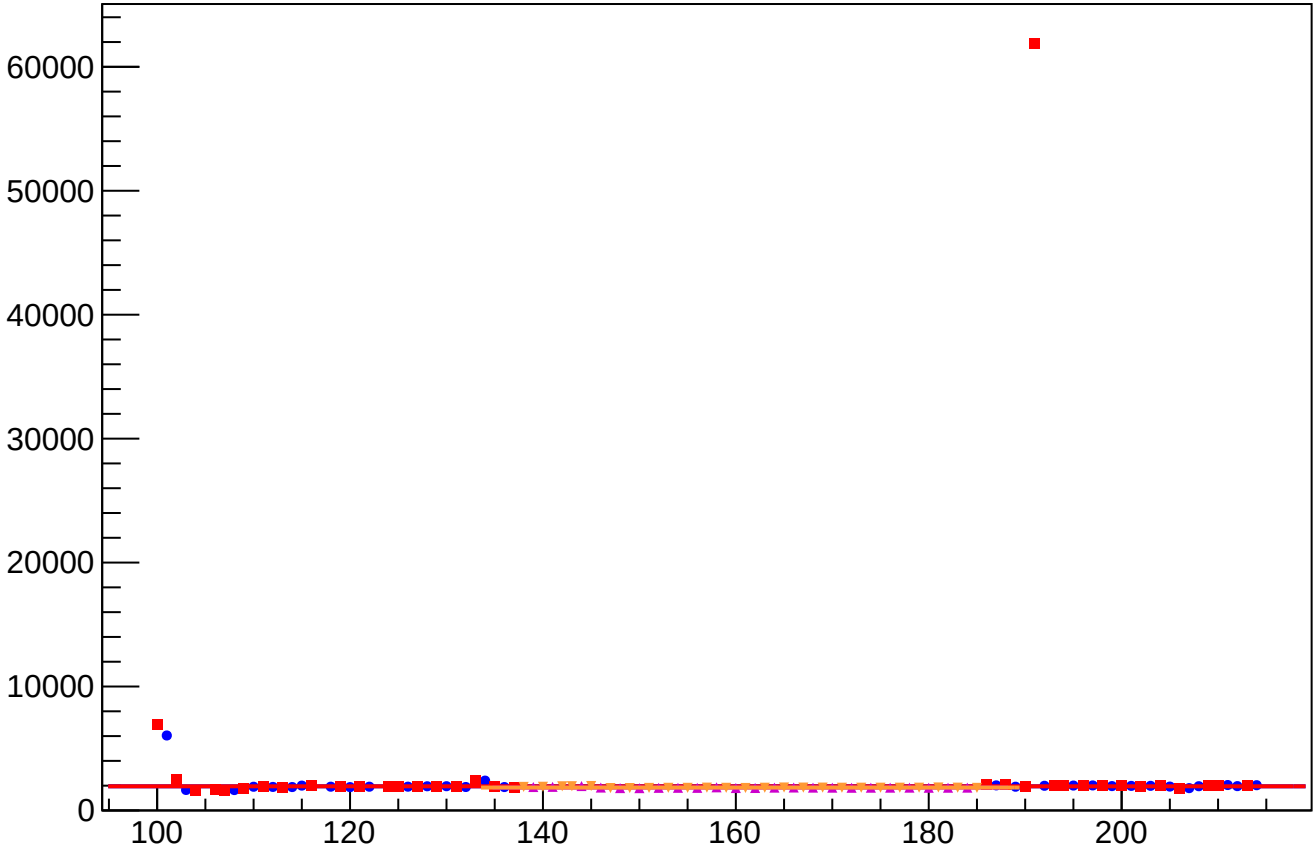
Right: 2238.488+/-323.123 χ^2/NDF: 53.7/63

In: 2757.702+/-314.355 χ^2/NDF:43.9/52

Out: 1805.542+/-308.408 χ^2/NDF:64.4/58

All: 2272.531+/-220.150 χ^2/NDF: 113.0/111

cor_asym_atr_avg_rms vs Slug, Sign Corrected



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

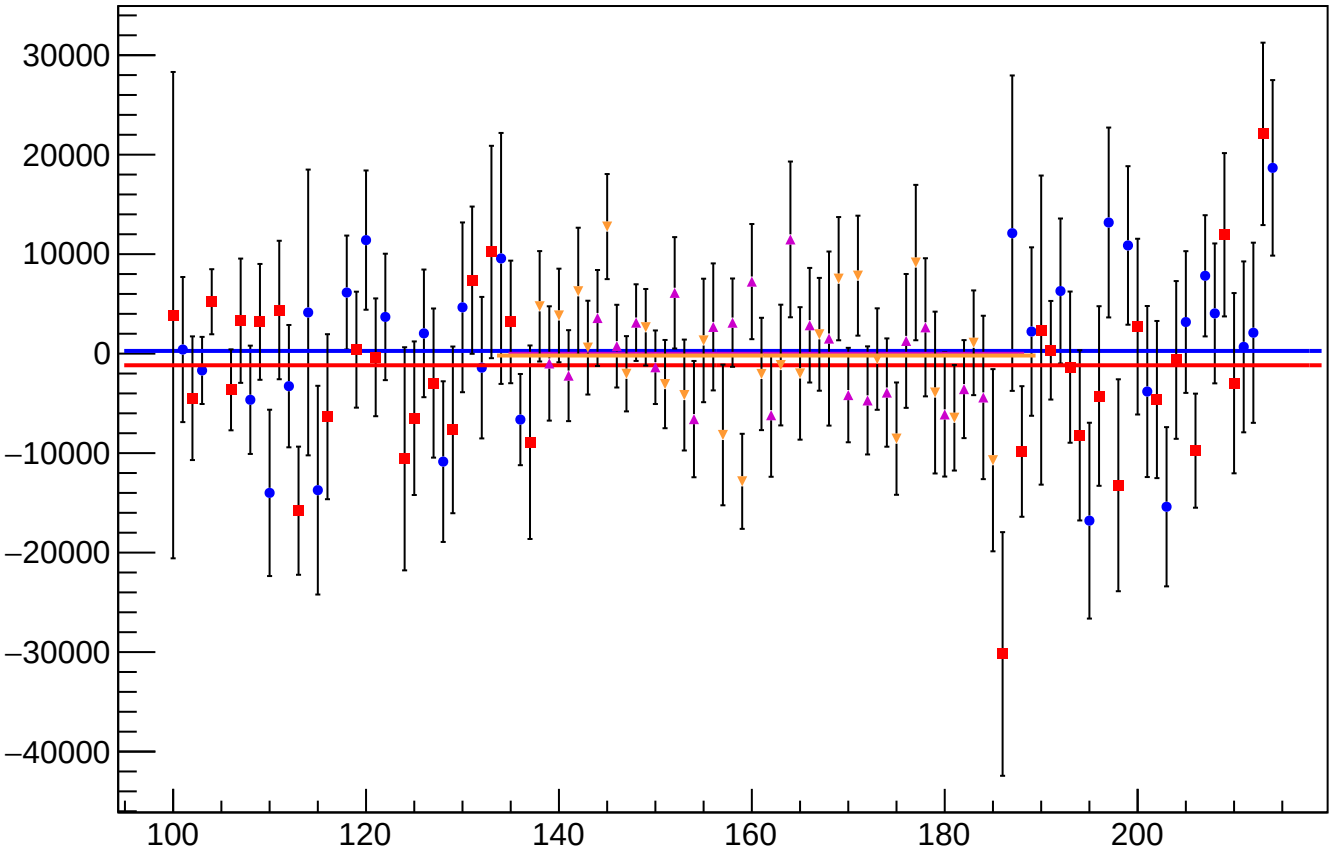
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1949.022+/-0.228 χ^2/NDF: 1142727.9/63

In: 1893.507+/-0.222 χ^2/NDF:794555.6/52

Out: 1895.036+/-0.218 χ^2/NDF:490337.2/58

All: 1894.286+/-0.156 χ^2/NDF: 1284916.9/11



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

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

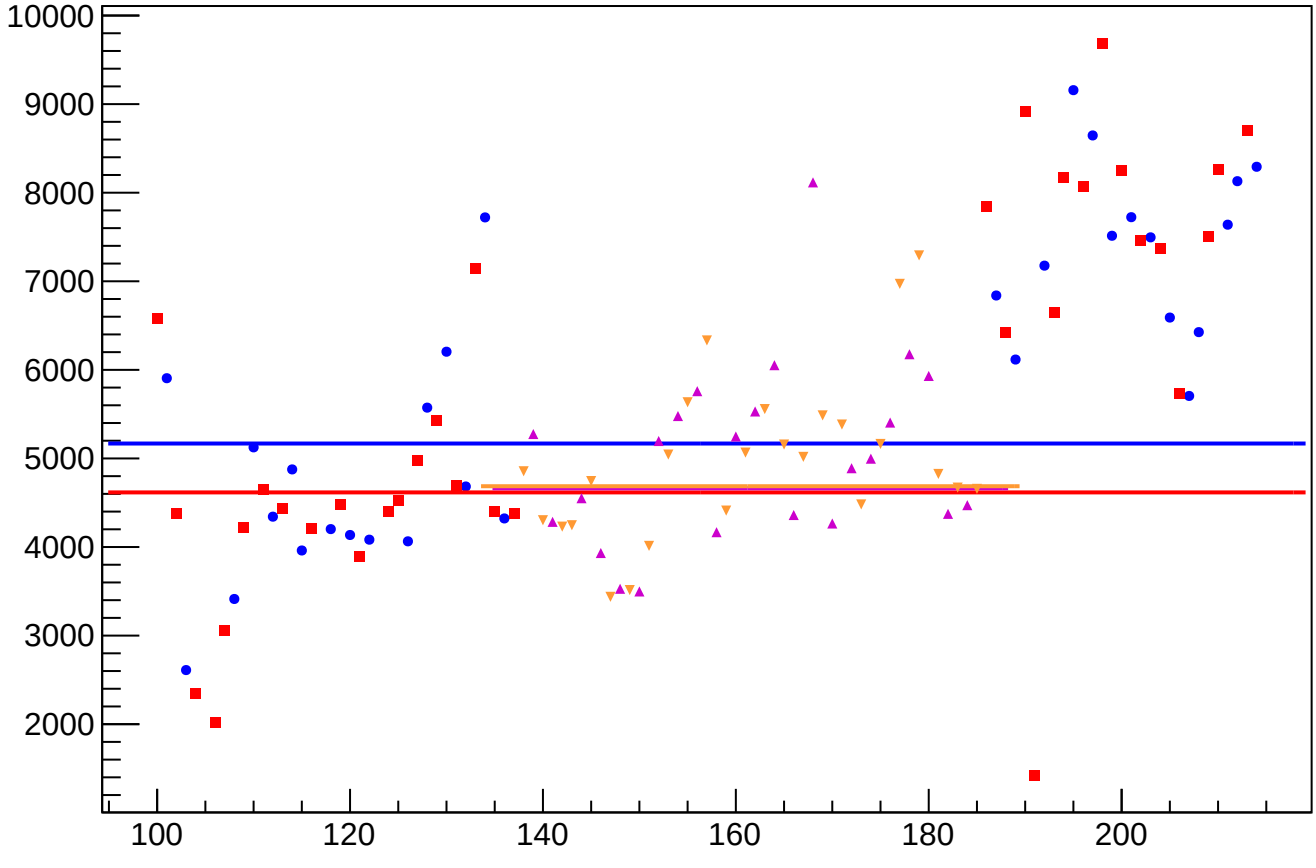
Right: -508.132+/-869.800 χ^2/NDF: 72.8/63

In: 105.509+/-840.920 χ^2/NDF:47.3/52

Out: -639.010+/-800.809 χ^2/NDF:67.8/58

All: -284.930+/-579.919 χ^2/NDF: 115.6/111

asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

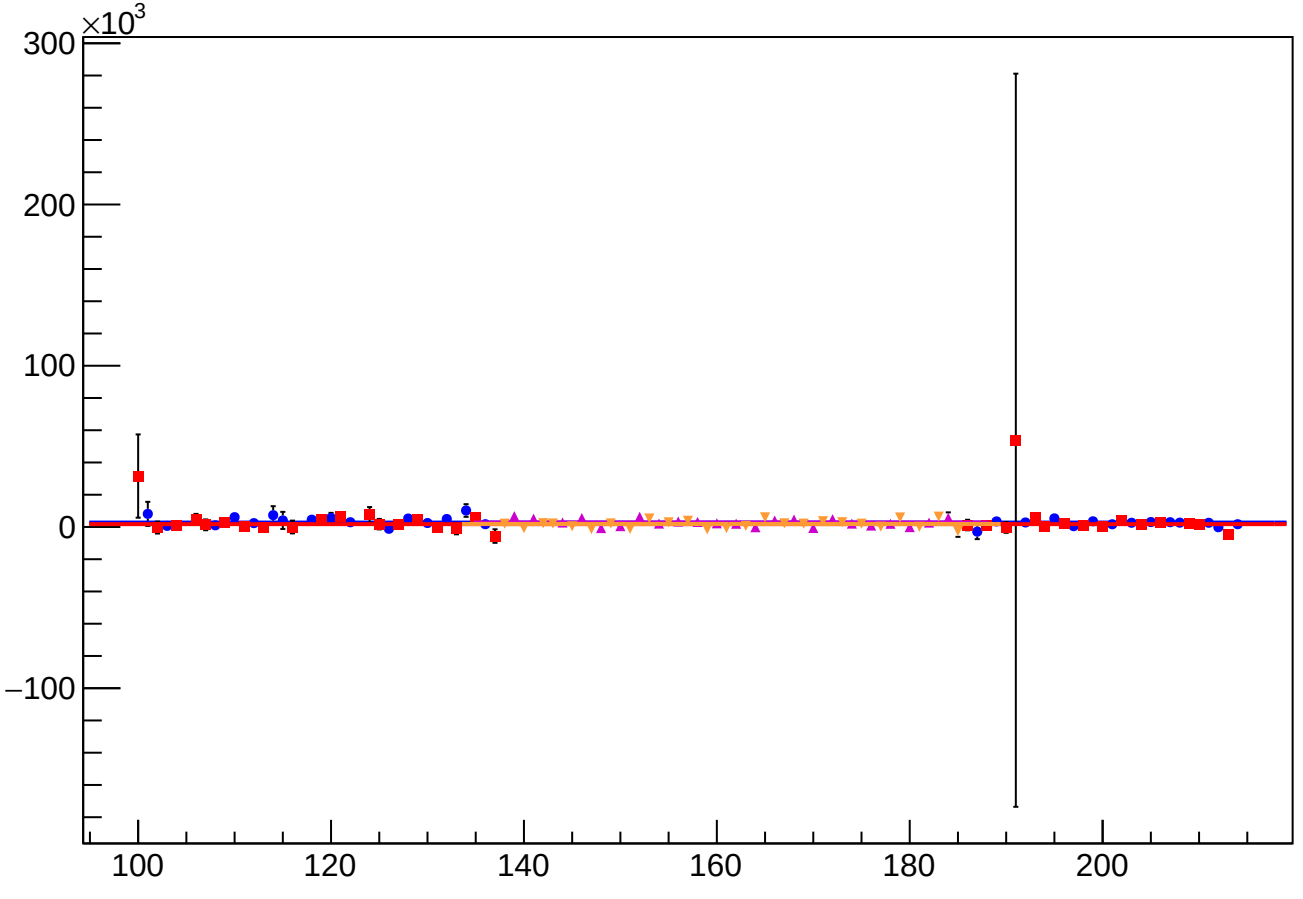
Right: 4869.668+/-0.615 χ^2/NDF: 10656111.4/63

In: 4879.834+/-0.595 χ^2/NDF:5418630.6/52

Out: 4654.318+/-0.566 χ^2/NDF:7689913.3/58

All: 4761.569+/-0.410 χ^2/NDF: 13183975.5/1

eigen_cor_asym_atr_avg_mean vs Slug, Sign Corrected



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

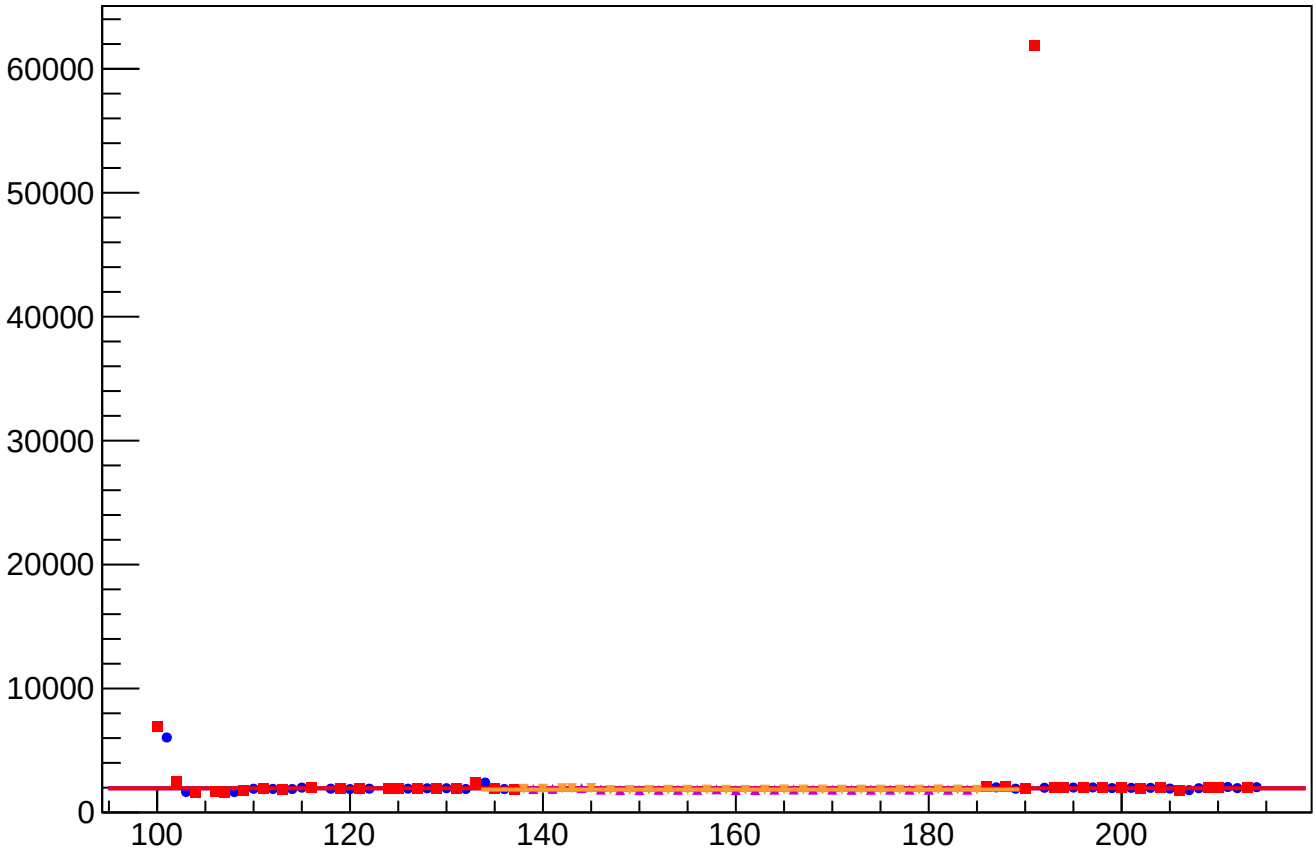
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2238.488+/-323.123 χ^2/NDF: 53.7/63

In: 2757.702+/-314.355 χ^2/NDF:43.9/52

Out: 1805.542+/-308.408 χ^2/NDF:64.4/58

All: 2272.531+/-220.150 χ^2/NDF: 113.0/111



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

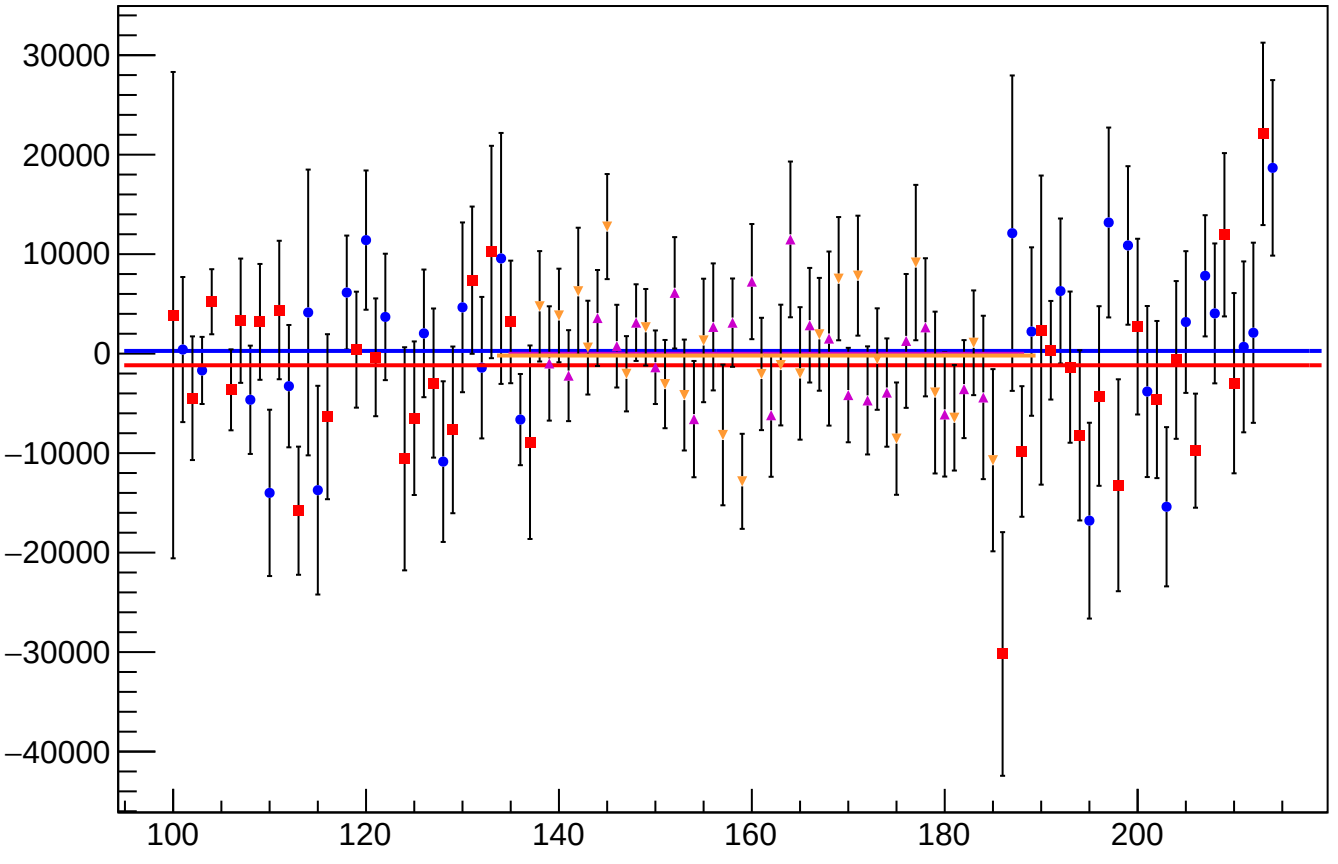
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1949.022+/-0.228 χ^2/NDF: 1142727.9/63

In: 1893.507+/-0.222 χ^2/NDF:794555.6/52

Out: 1895.036+/-0.218 χ^2/NDF:490337.2/58

All: 1894.286+/-0.156 χ^2/NDF: 1284916.9/11



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

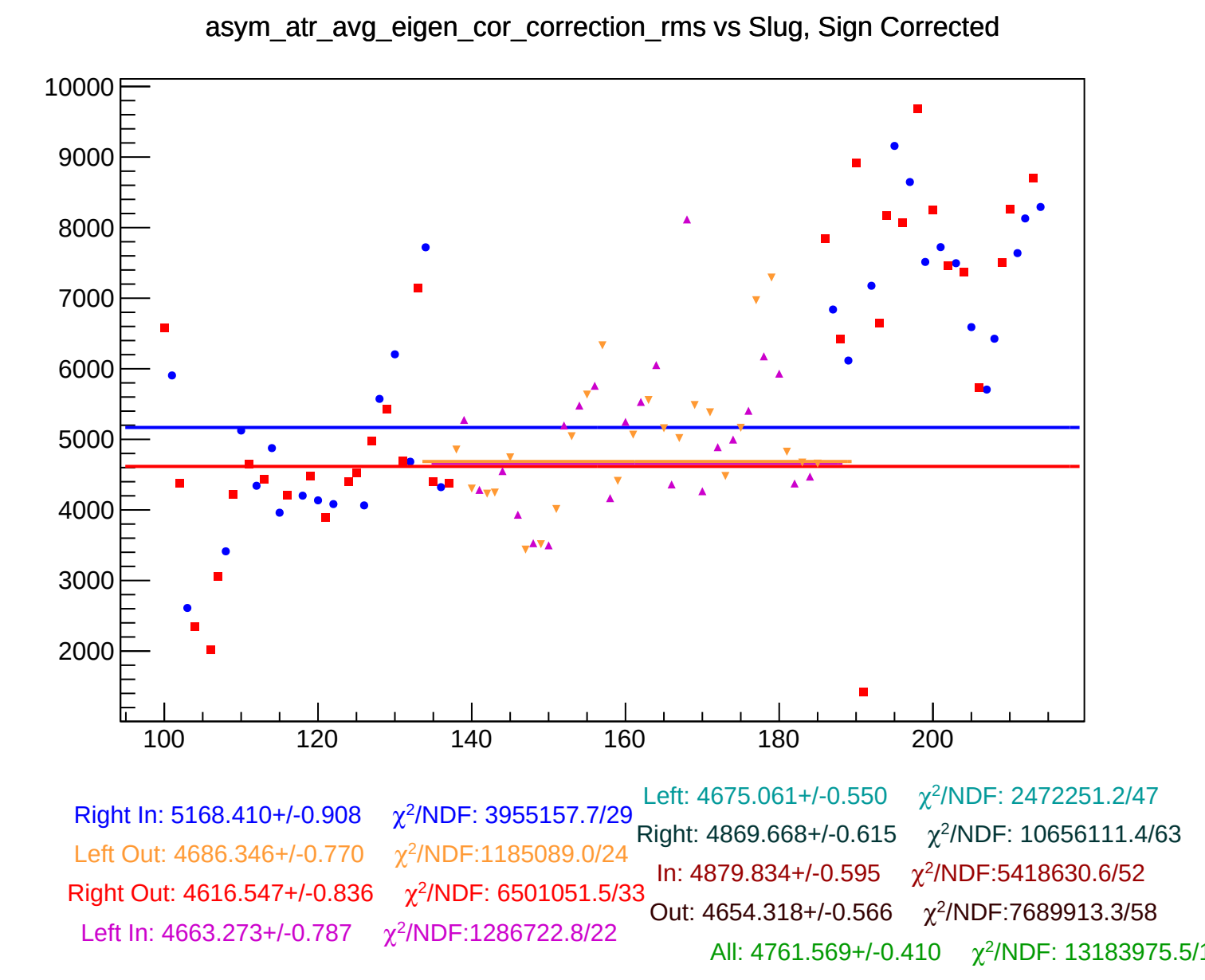
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

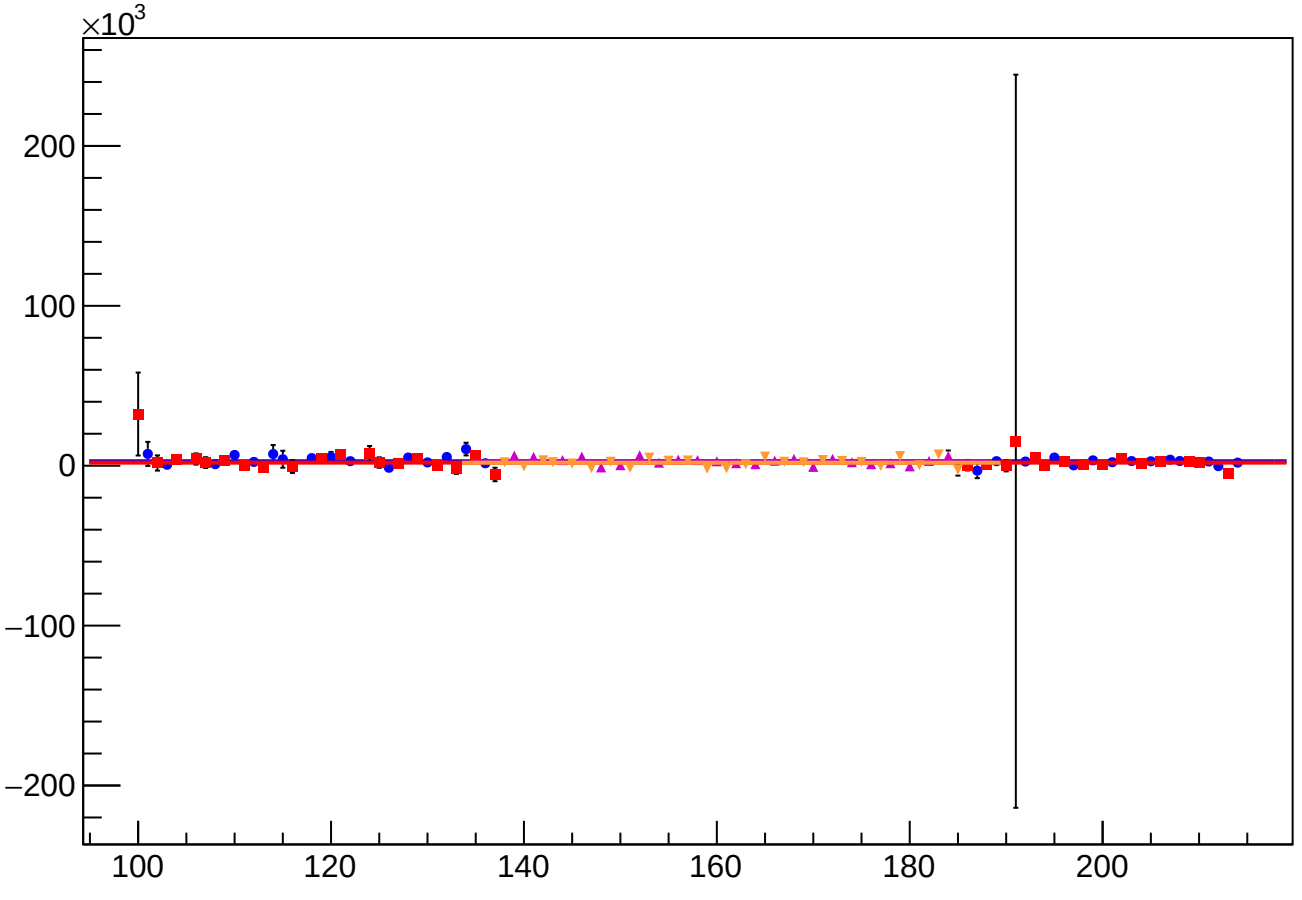
Right: -508.132+/-869.800 χ^2/NDF: 72.8/63

In: 105.509+/-840.920 χ^2/NDF:47.3/52

Out: -639.010+/-800.809 χ^2/NDF:67.8/58

All: -284.930+/-579.919 χ^2/NDF: 115.6/111


asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 5168.410+/-0.908 χ²/NDF: 3955157.7/29
Left Out: 4686.346+/-0.770 χ²/NDF:1185089.0/24
Right Out: 4616.547+/-0.836 χ²/NDF: 6501051.5/33
Left In: 4663.273+/-0.787 χ²/NDF:1286722.8/22
Left: 4675.061+/-0.550 χ²/NDF: 2472251.2/47
Right: 4869.668+/-0.615 χ²/NDF: 10656111.4/63
In: 4879.834+/-0.595 χ²/NDF:5418630.6/52
Out: 4654.318+/-0.566 χ²/NDF:7689913.3/58
All: 4761.569+/-0.410 χ²/NDF: 13183975.5/1



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

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

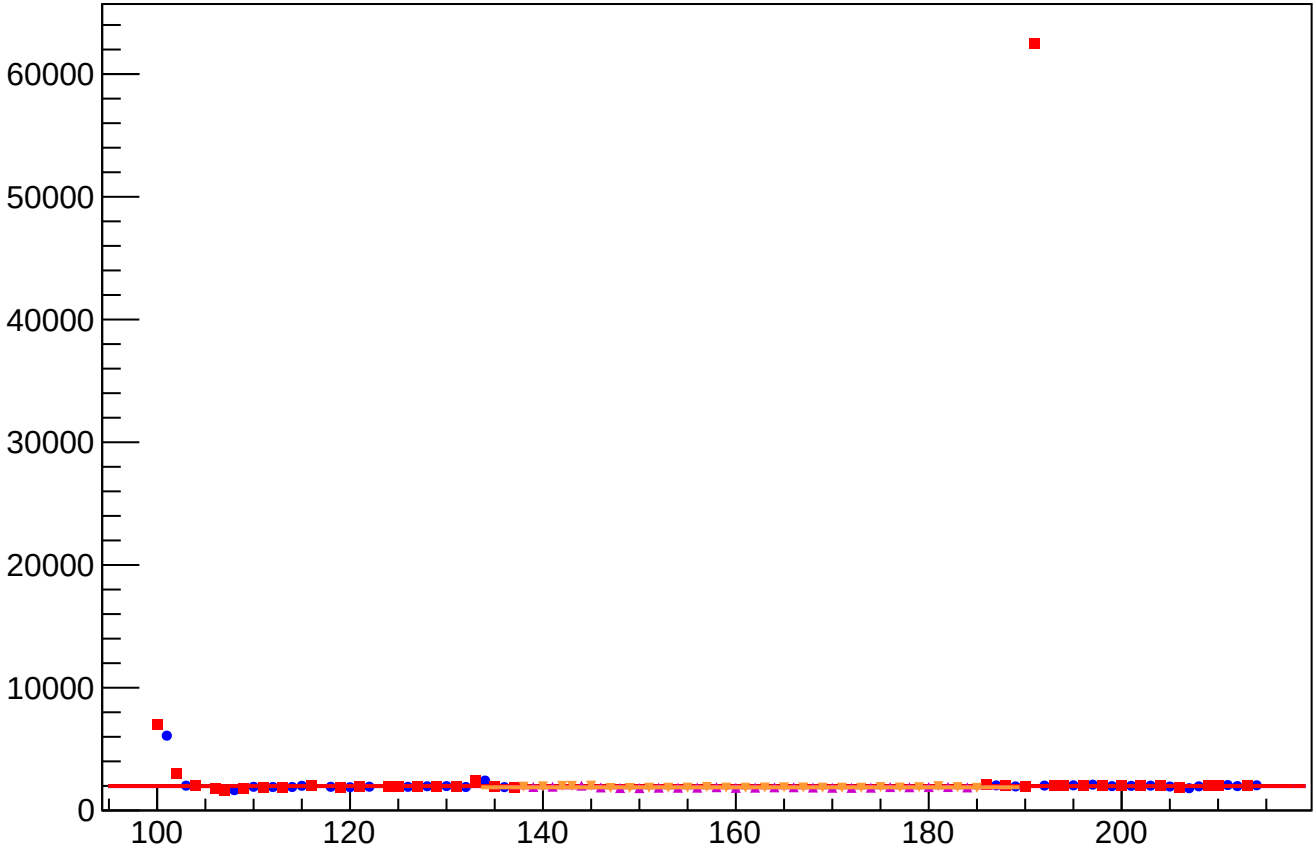
Right: 2362.513+/-329.689 χ^2/NDF: 55.1/63

In: 2797.574+/-320.393 χ^2/NDF:44.4/52

Out: 1906.399+/-315.037 χ^2/NDF:67.4/58

All: 2344.476+/-224.634 χ^2/NDF: 115.7/111

dit_asym_atr_avg_rms vs Slug, Sign Corrected



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

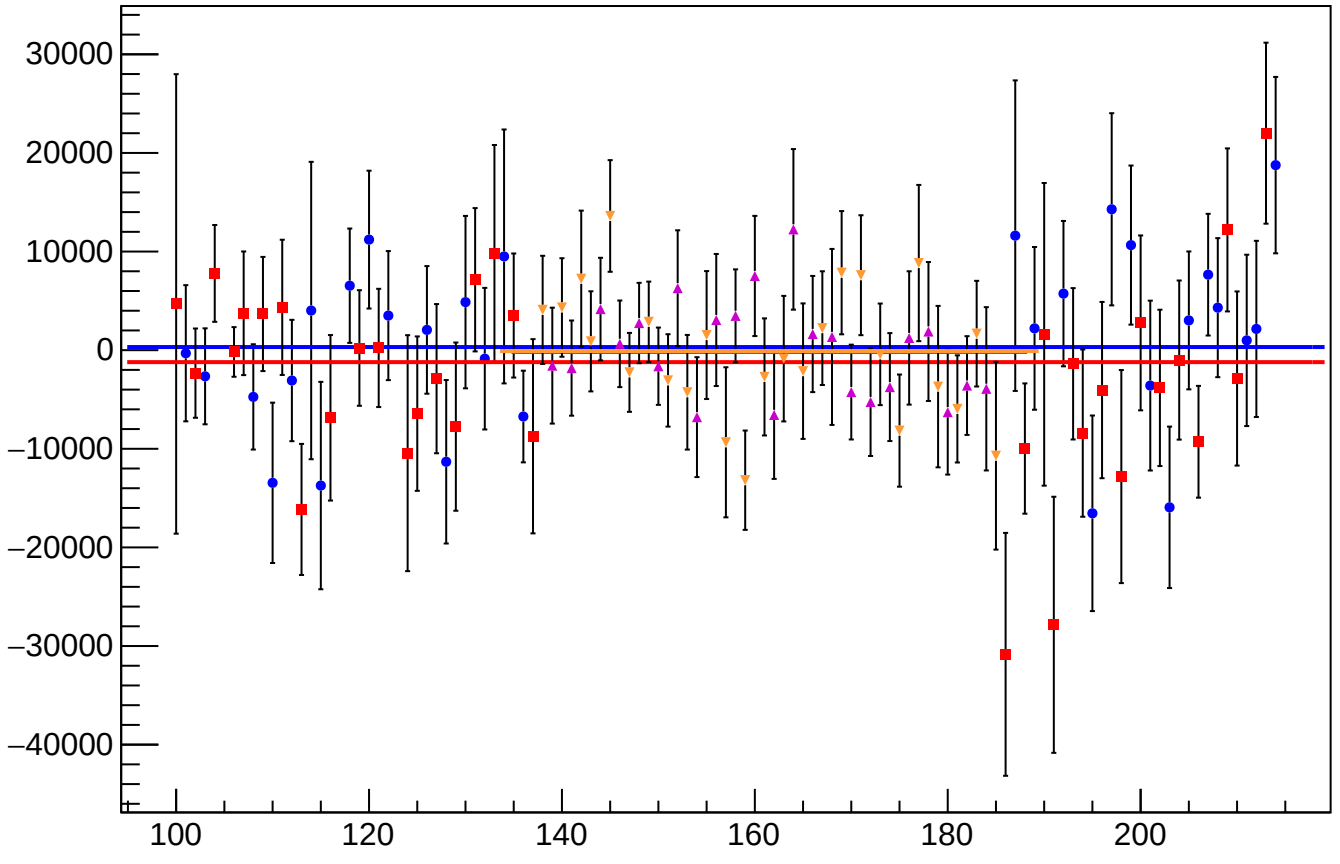
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1987.119+/-0.233 χ^2/NDF: 1131137.3/63

In: 1930.014+/-0.227 χ^2/NDF:768232.4/52

Out: 1933.835+/-0.223 χ^2/NDF:518567.6/58

All: 1931.957+/-0.159 χ^2/NDF: 1286944.6/11



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

Left: -133.663+/-809.267 χ^2/NDF: 41.6/47

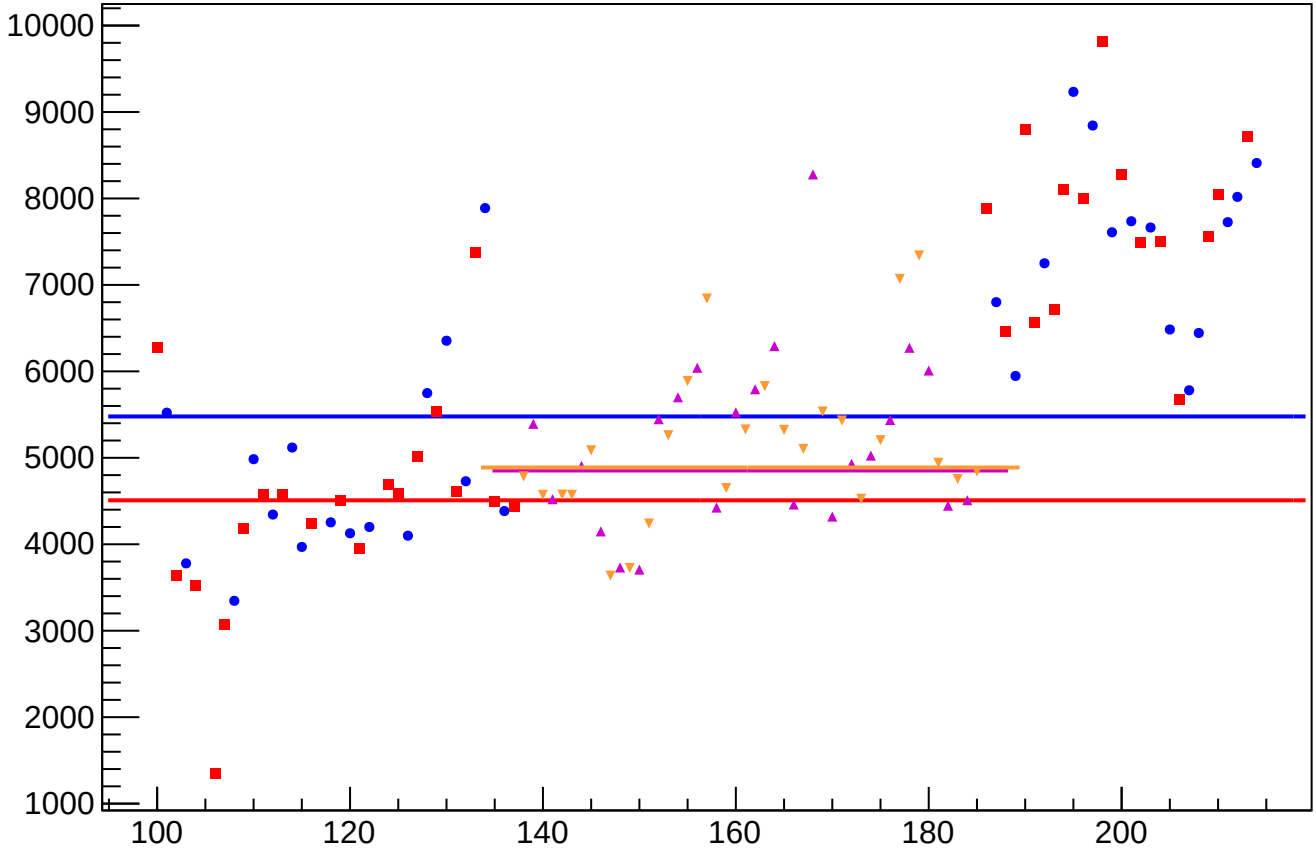
Right: -558.097+/-876.793 χ^2/NDF: 75.6/63

In: 33.407+/-875.338 χ^2/NDF:46.9/52

Out: -639.474+/-810.416 χ^2/NDF:70.2/58

All: -328.909+/-594.679 χ^2/NDF: 117.4/111

asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected



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

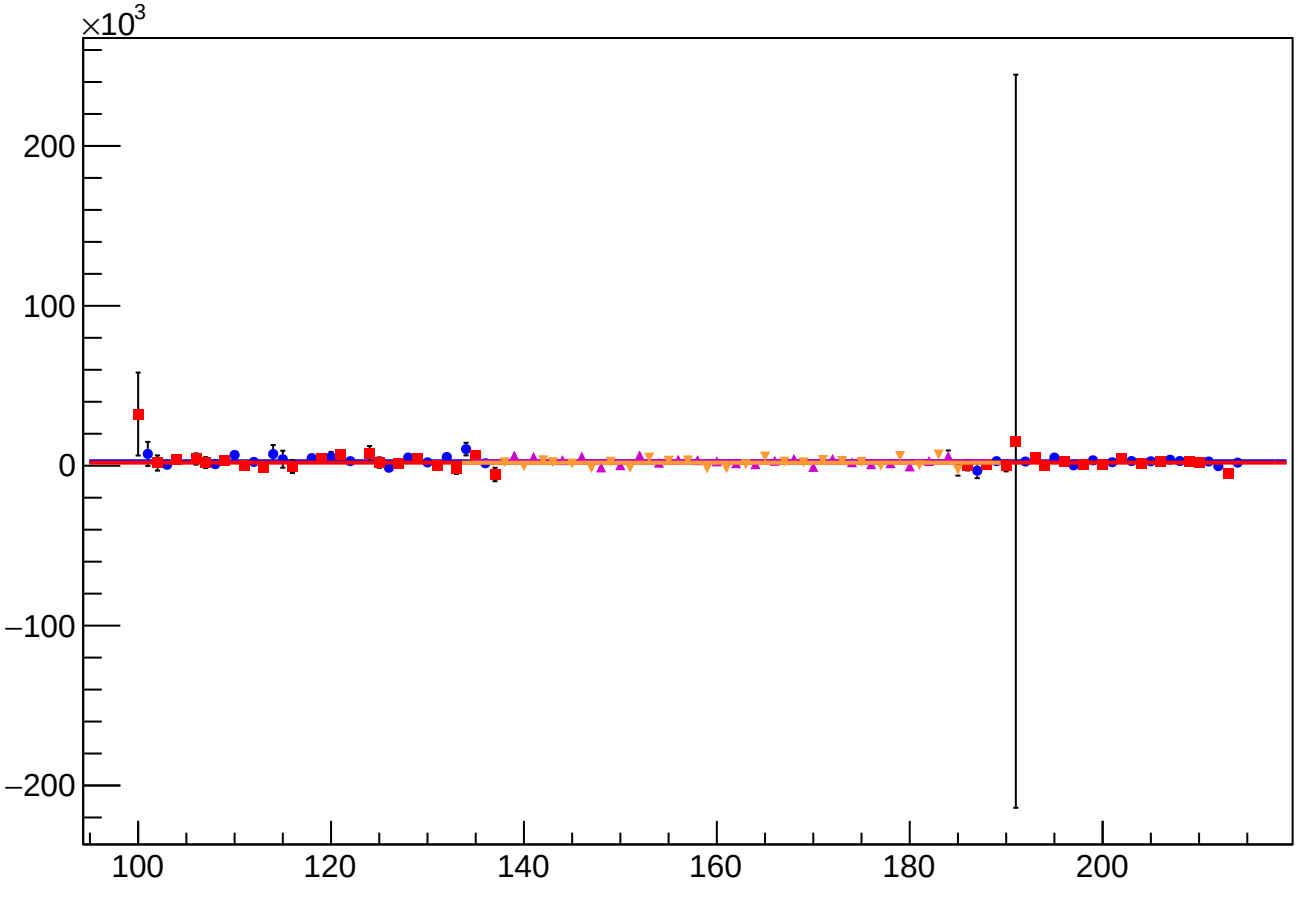
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4923.506+/-0.620 χ^2/NDF: 11007764.2/63

In: 5120.031+/-0.619 χ^2/NDF:4340300.0/52

Out: 4702.333+/-0.573 χ^2/NDF:8668969.6/58

All: 4895.119+/-0.421 χ^2/NDF: 13254488.2/1



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

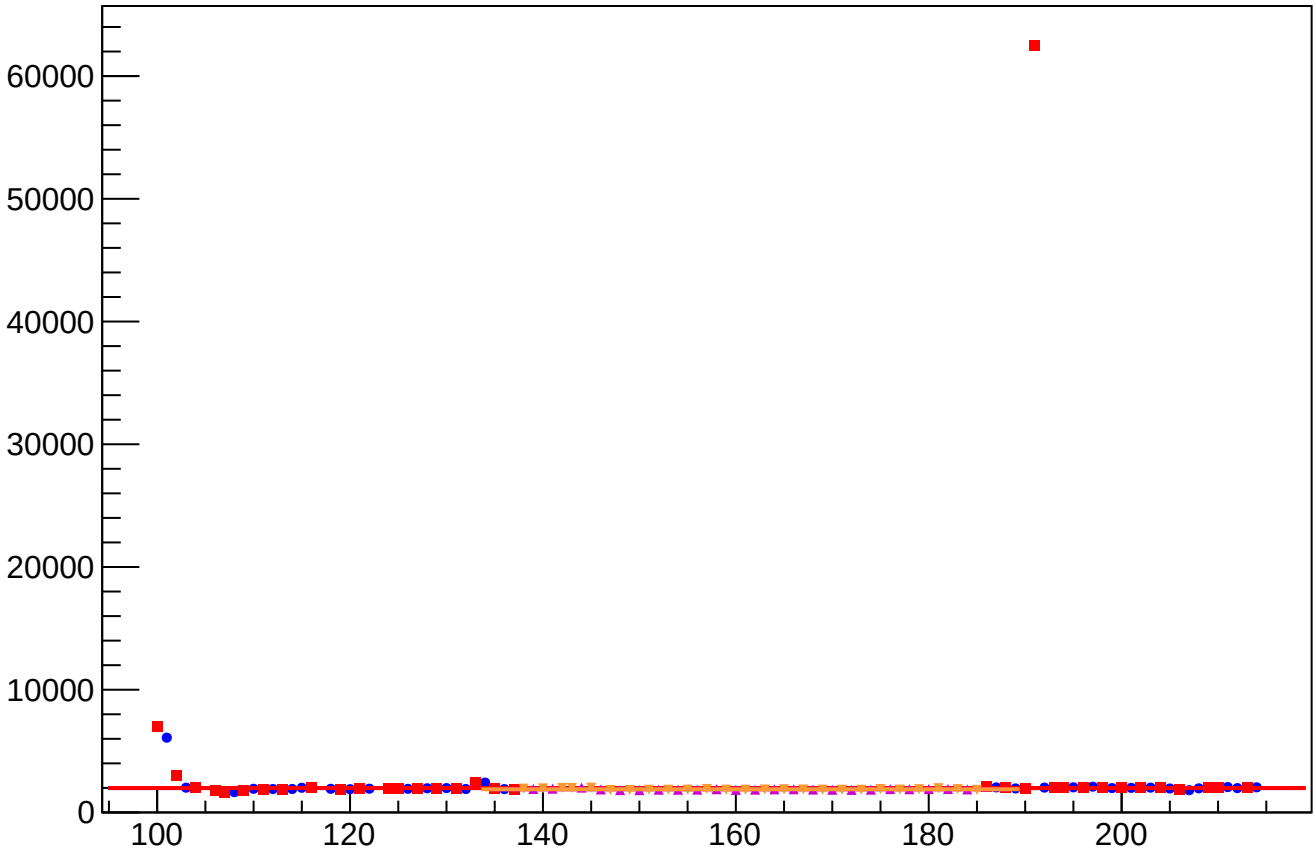
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2362.512+/-329.689 χ^2/NDF: 55.1/63

In: 2797.574+/-320.393 χ^2/NDF:44.4/52

Out: 1906.396+/-315.037 χ^2/NDF:67.4/58

All: 2344.474+/-224.634 χ^2/NDF: 115.7/111



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

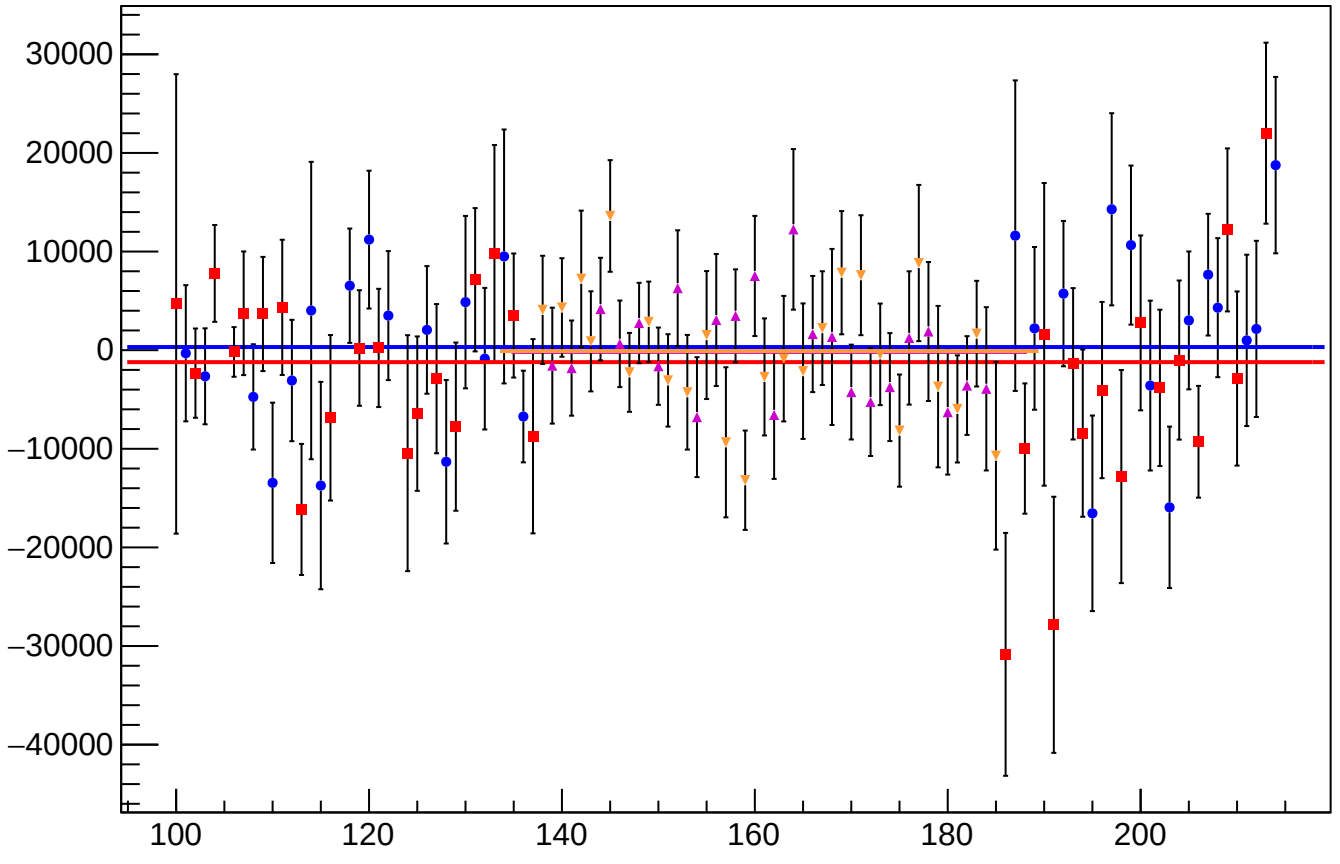
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1987.119+/-0.233 χ^2/NDF: 1131137.0/63

In: 1930.015+/-0.227 χ^2/NDF:768231.6/52

Out: 1933.836+/-0.223 χ^2/NDF:518566.3/58

All: 1931.958+/-0.159 χ^2/NDF: 1286942.6/11



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

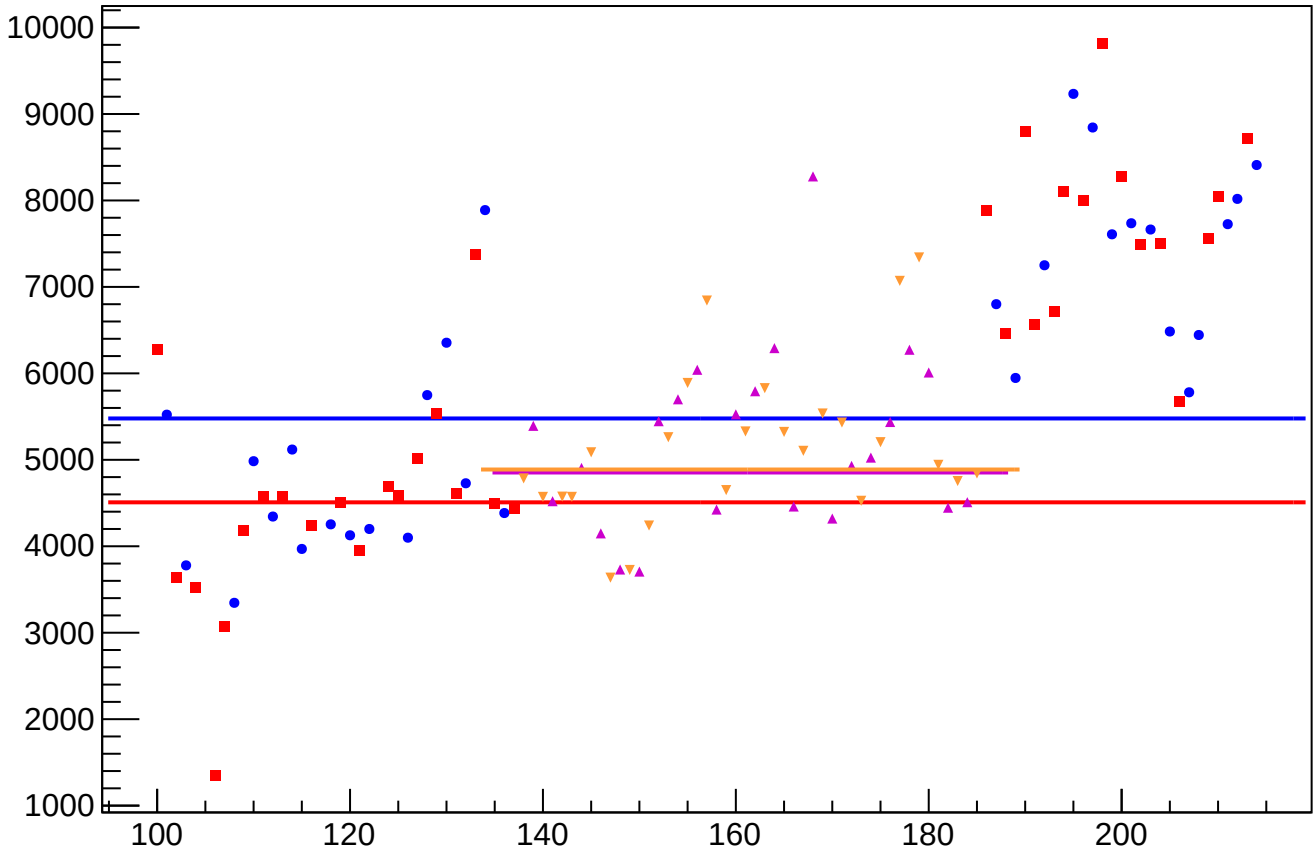
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -558.093+/-876.792 χ^2/NDF: 75.6/63

In: 33.409+/-875.338 χ^2/NDF:46.9/52

Out: -639.476+/-810.417 χ^2/NDF:70.2/58

All: -328.909+/-594.680 χ^2/NDF: 117.4/111



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

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

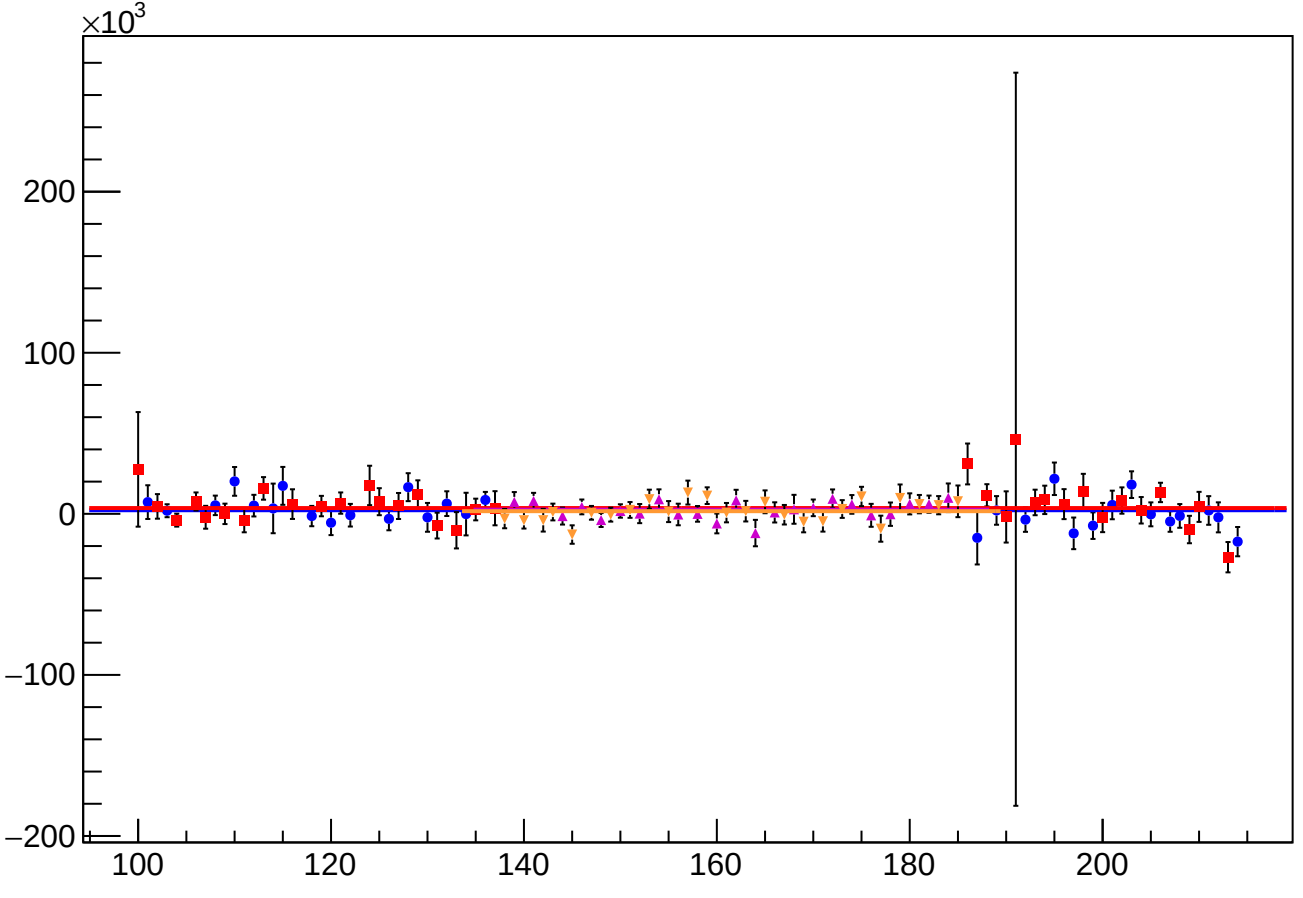
Right: 4923.499+/-0.620 χ^2/NDF: 11007835.8/63

In: 5120.034+/-0.619 χ^2/NDF:4340315.6/52

Out: 4702.332+/-0.573 χ^2/NDF:8669023.2/58

All: 4895.120+/-0.421 χ^2/NDF: 13254561.6/1

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

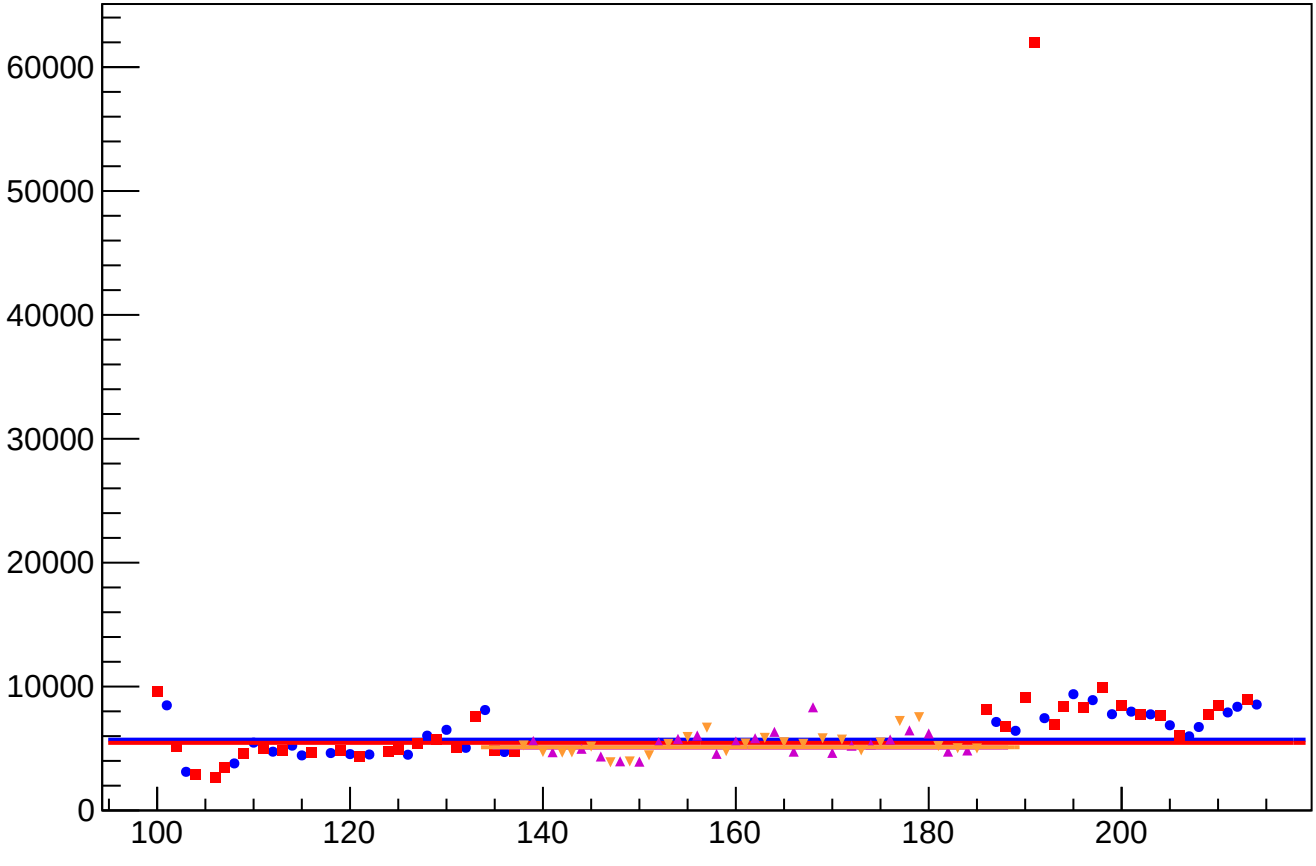
Right: 2933.716+/-974.947 χ^2/NDF: 72.5/63

In: 2427.651+/-913.792 χ^2/NDF:48.4/52

Out: 2482.786+/-889.593 χ^2/NDF:66.7/58

All: 2455.958+/-637.421 χ^2/NDF: 115.2/111

asym_atr_avg_rms vs Slug, Sign Corrected



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

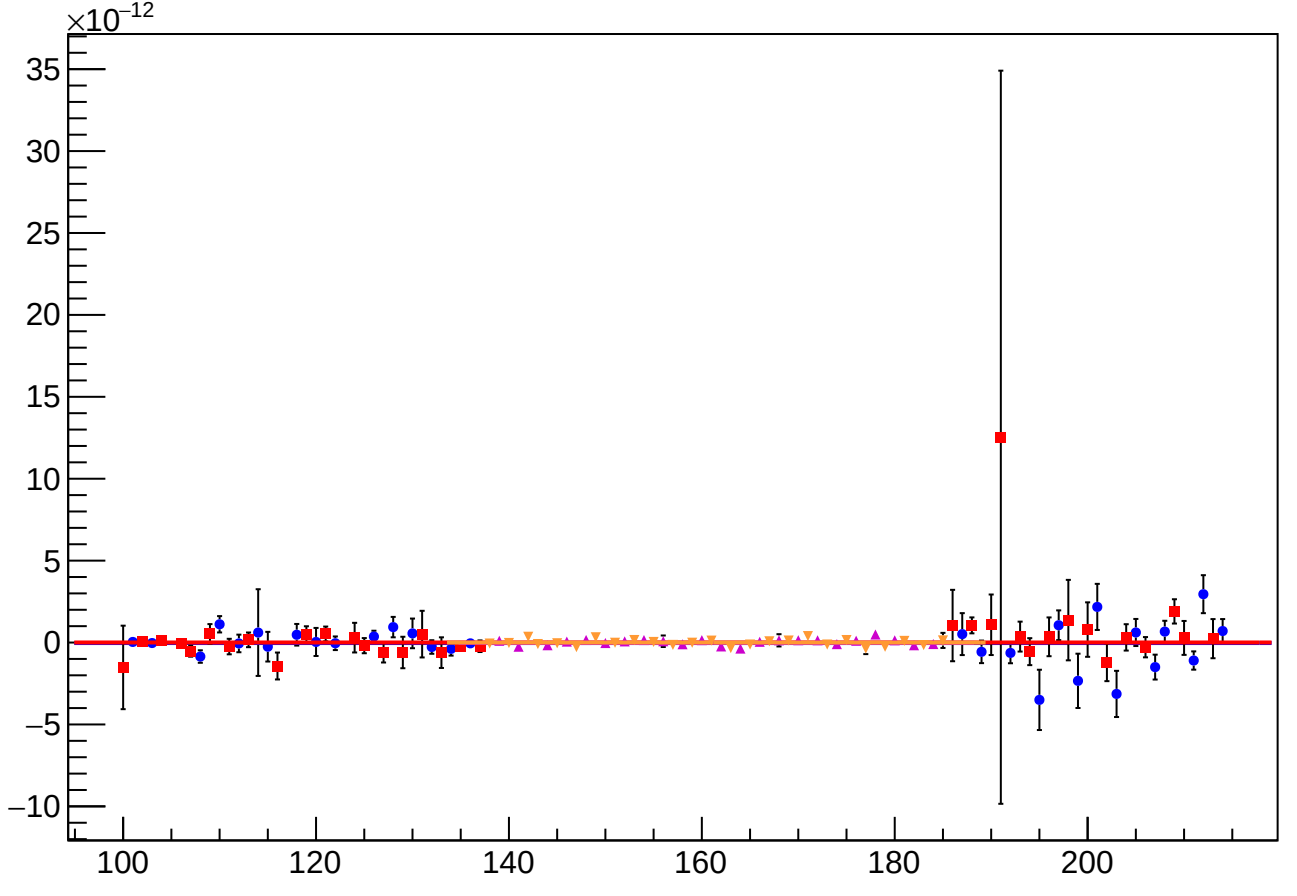
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5580.910+/-0.687 χ^2/NDF: 7492167.7/63

In: 5345.770+/-0.646 χ^2/NDF:4428747.2/52

Out: 5255.016+/-0.627 χ^2/NDF:5249454.1/58

All: 5299.063+/-0.450 χ^2/NDF: 9688353.9/11



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

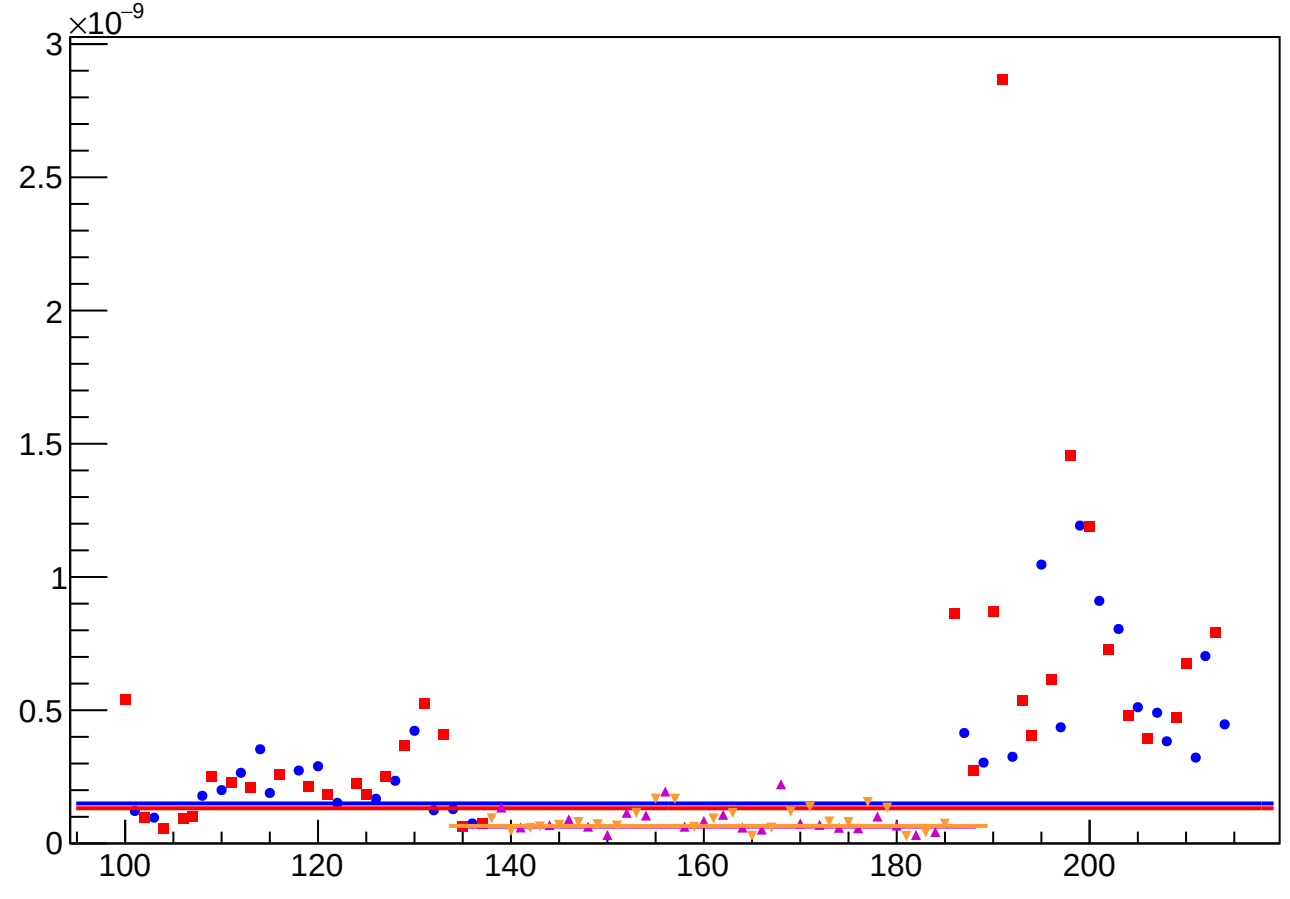
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 79.0/63

In: -0.000+/-0.000 χ^2/NDF:81.1/52

Out: 0.000+/-0.000 χ^2/NDF:63.4/58

All: -0.000+/-0.000 χ^2/NDF: 144.9/111



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

Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

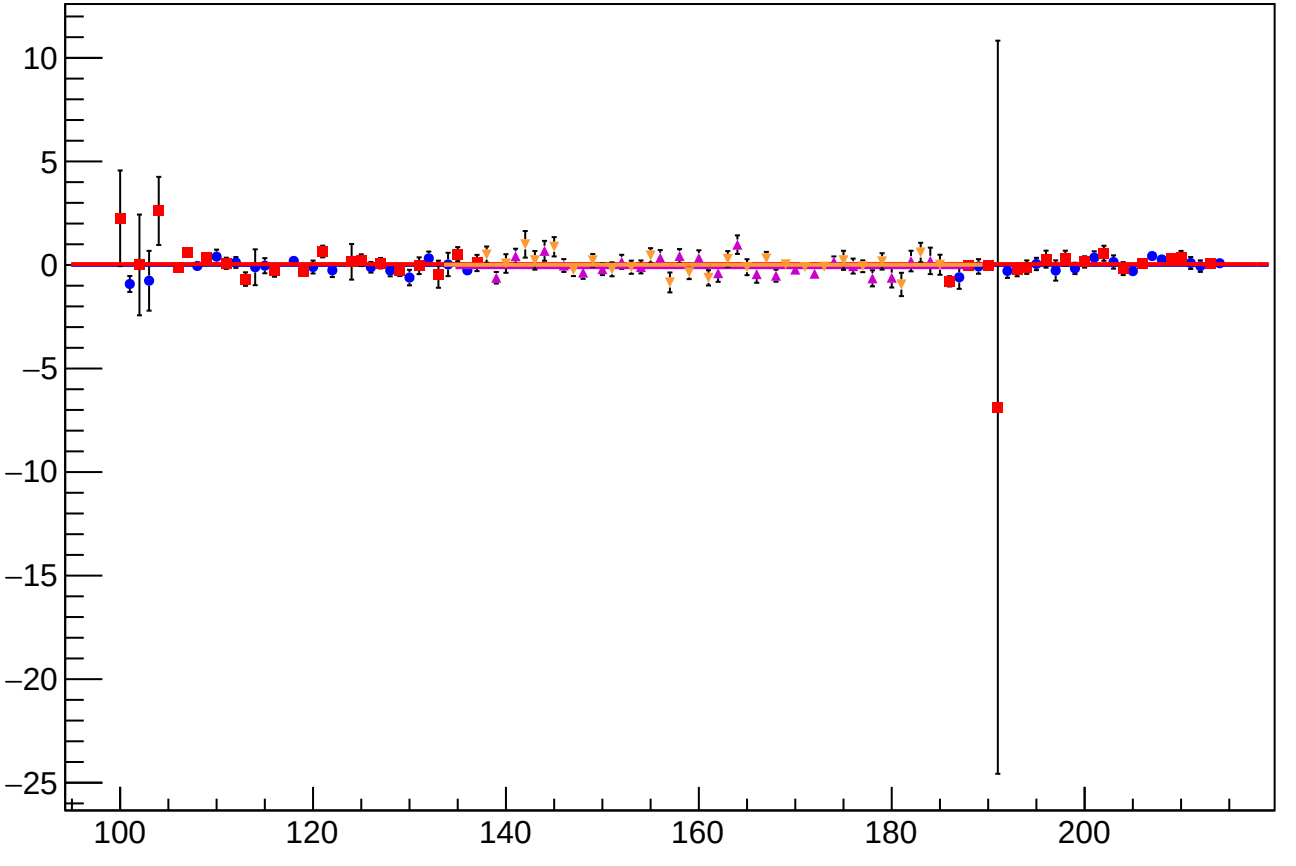
Right: 0.000+/-0.000 χ^2/NDF: 14541563.2/63

In: 0.000+/-0.000 χ^2/NDF:11079357.0/52

Out: 0.000+/-0.000 χ^2/NDF:12201520.0/58

All: 0.000+/-0.000 χ^2/NDF: 23281056.0/111

asym_atr_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

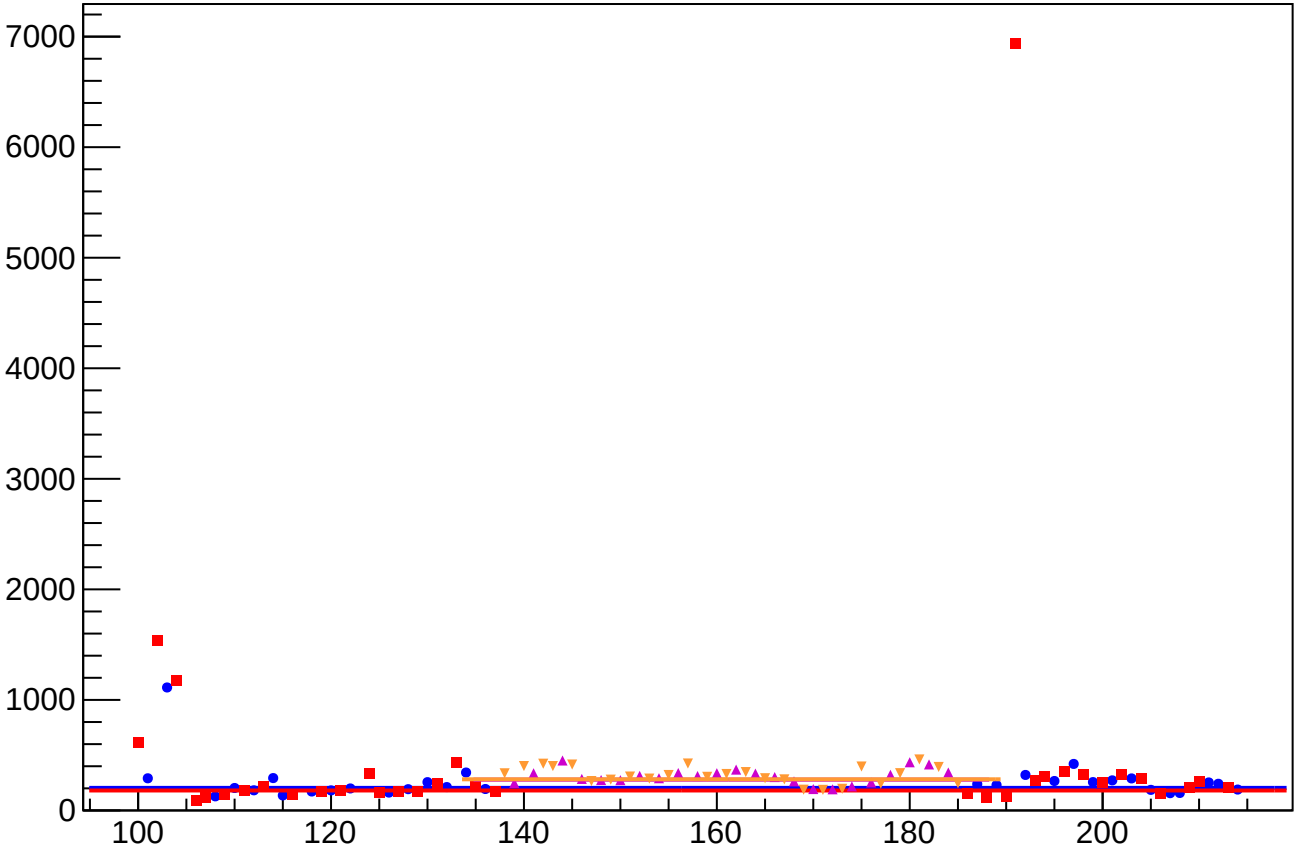
Right: 0.026+/-0.035 χ^2/NDF: 78.2/63

In: -0.035+/-0.041 χ^2/NDF:62.9/52

Out: 0.033+/-0.039 χ^2/NDF:73.5/58

All: 0.001+/-0.028 χ^2/NDF: 137.8/111

asym_atr_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

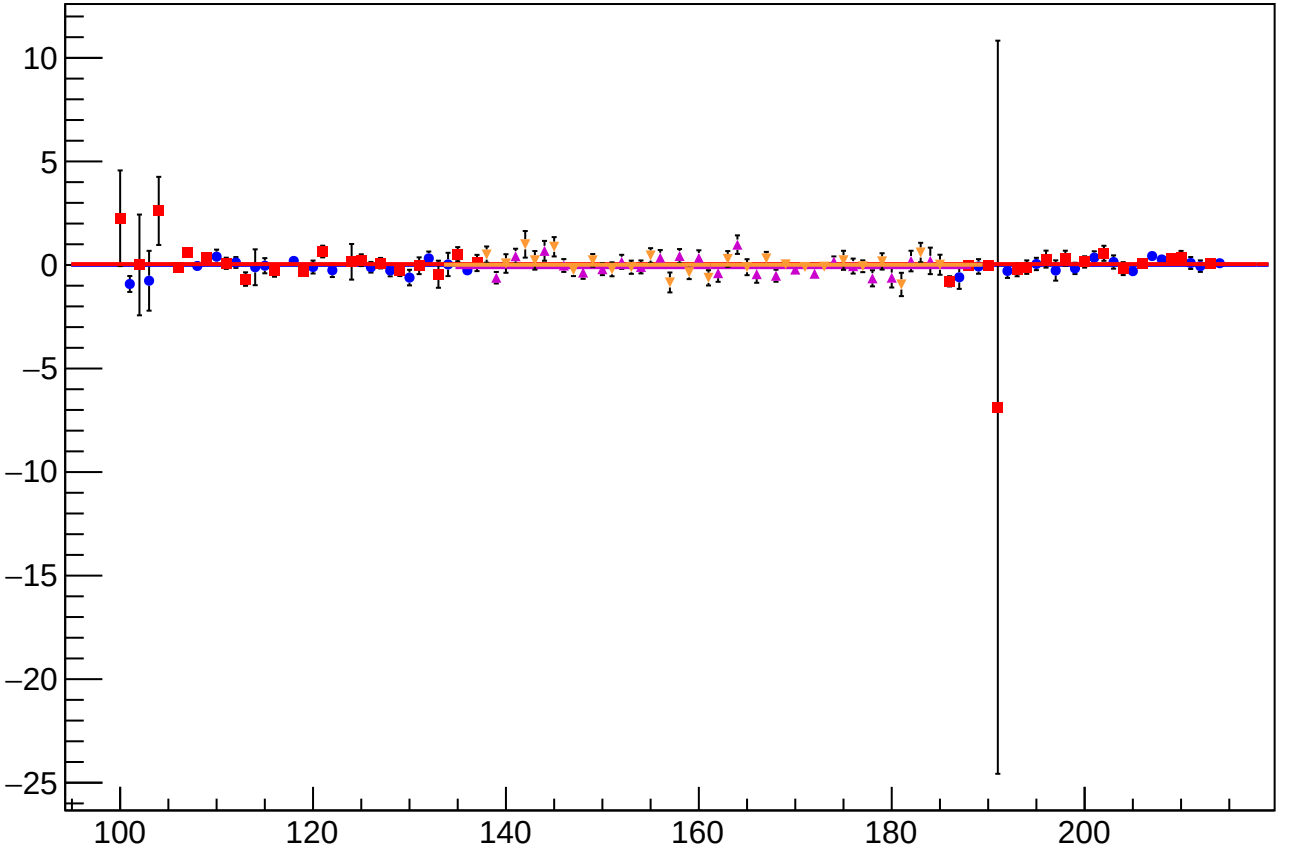
Right: 191.421+/-0.025 χ^2/NDF: 8904276.3/63

In: 231.126+/-0.029 χ^2/NDF:6286955.2/52

Out: 213.664+/-0.027 χ^2/NDF:11180392.7/58

All: 221.855+/-0.020 χ^2/NDF: 17657028.0/11

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

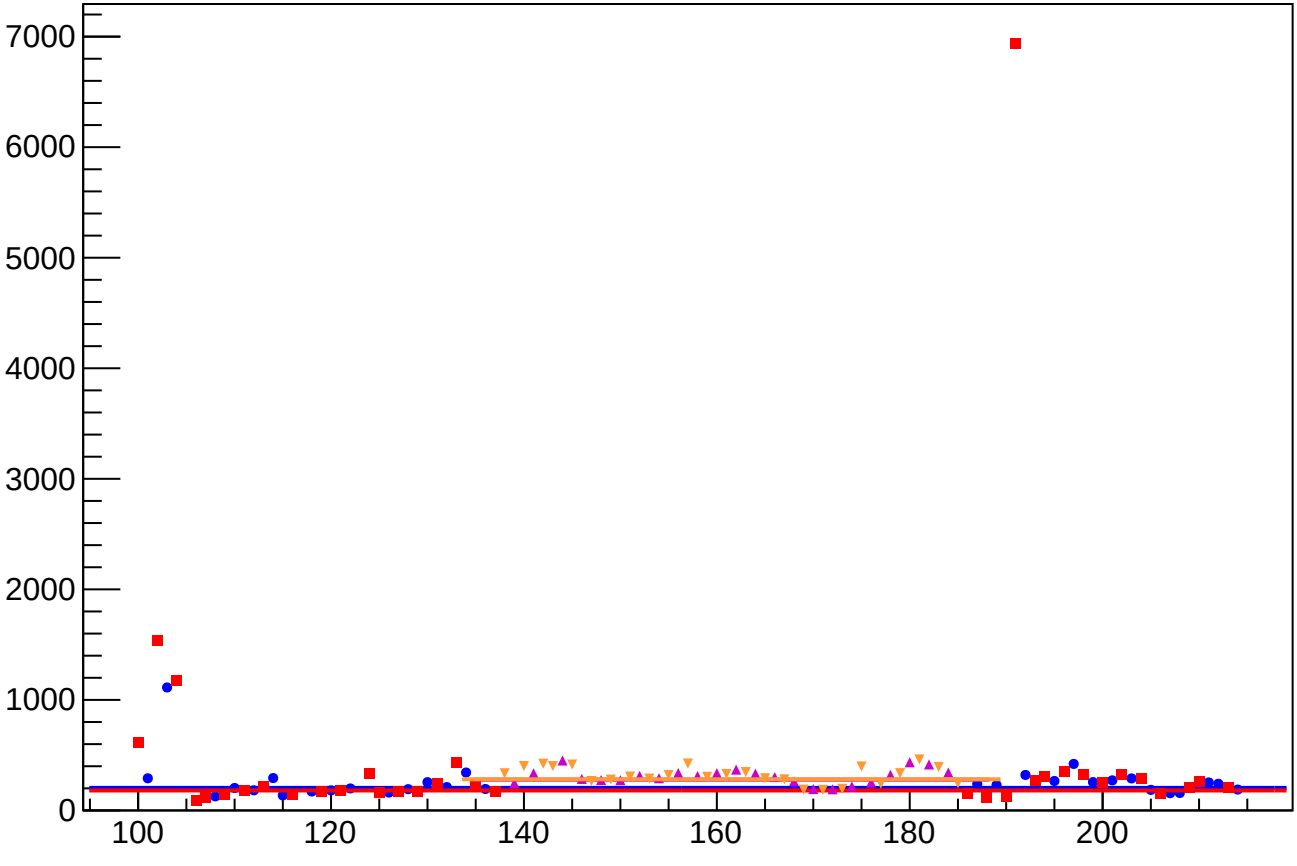
Right: 0.026+/-0.035 χ^2/NDF: 78.2/63

In: -0.035+/-0.041 χ^2/NDF:62.9/52

Out: 0.033+/-0.039 χ^2/NDF:73.5/58

All: 0.001+/-0.028 χ^2/NDF: 137.8/111

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

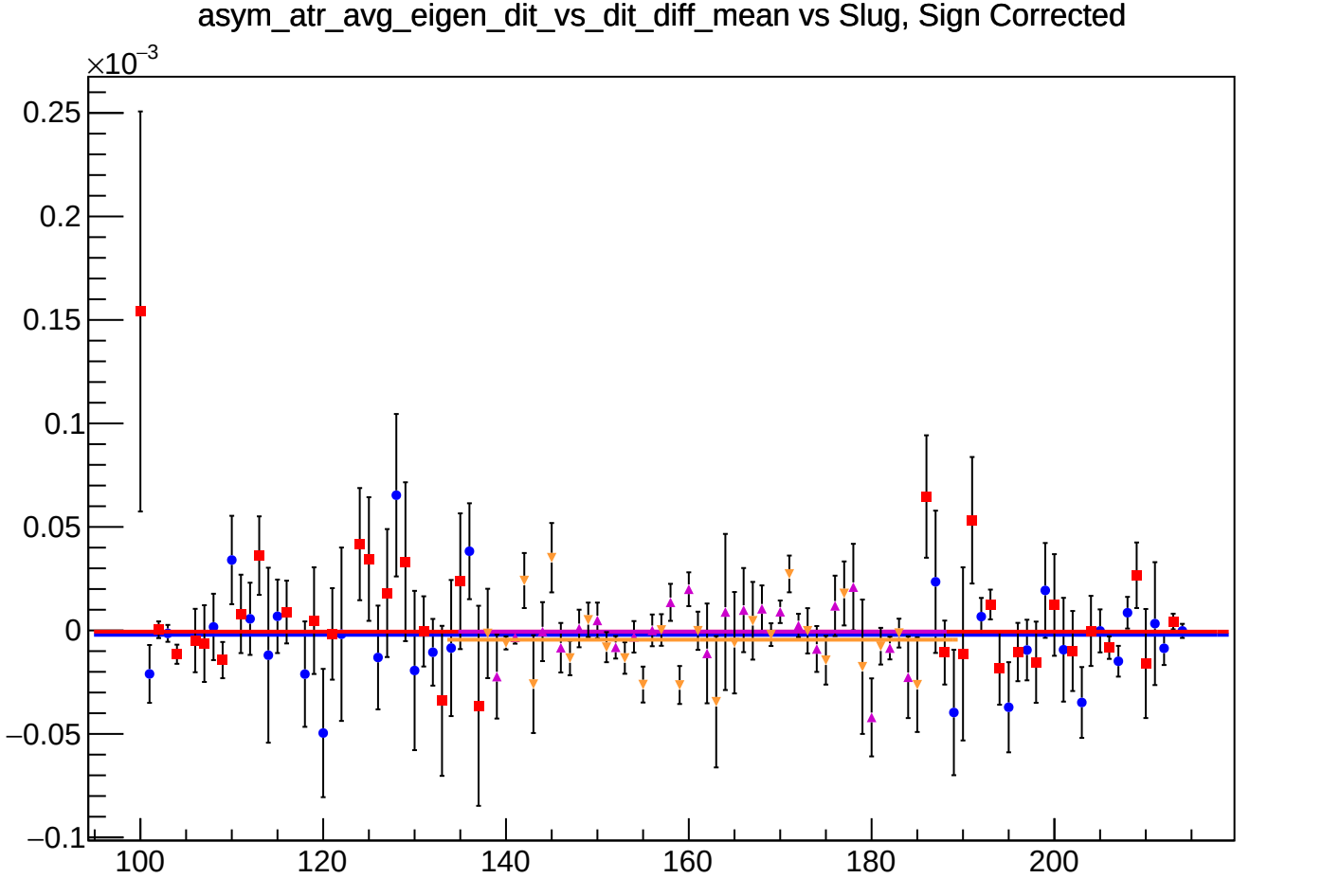
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 191.421+/-0.025 χ^2/NDF: 8904276.3/63

In: 231.126+/-0.029 χ^2/NDF:6286955.2/52

Out: 213.664+/-0.027 χ^2/NDF:11180392.7/58

All: 221.855+/-0.020 χ^2/NDF: 17657028.0/1



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

Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

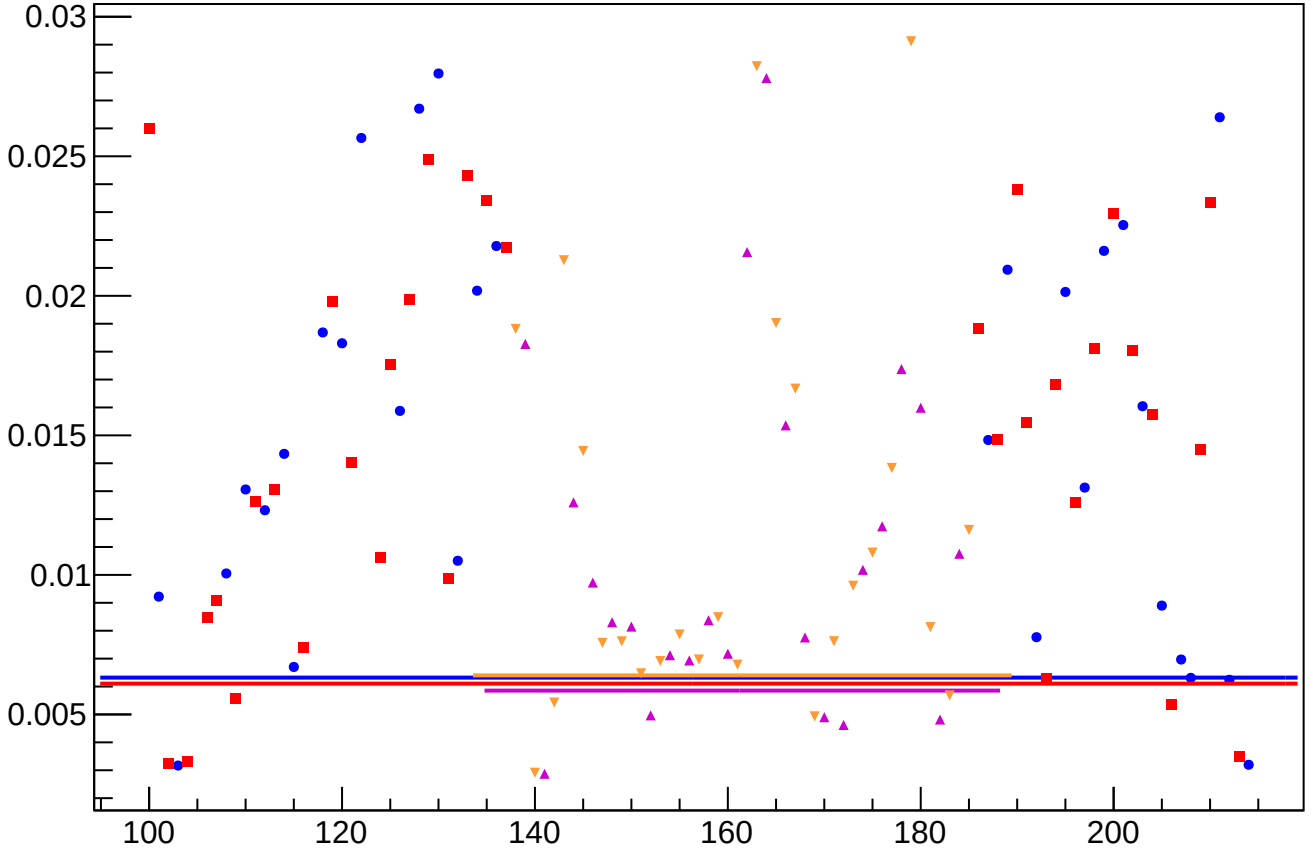
Right: -0.000+/-0.000 χ^2/NDF: 75.1/63

In: -0.000+/-0.000 χ^2/NDF:60.7/52

Out: -0.000+/-0.000 χ^2/NDF:92.3/58

All: -0.000+/-0.000 χ^2/NDF: 153.7/111

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 12935836.1/29

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 14122671.8/33

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

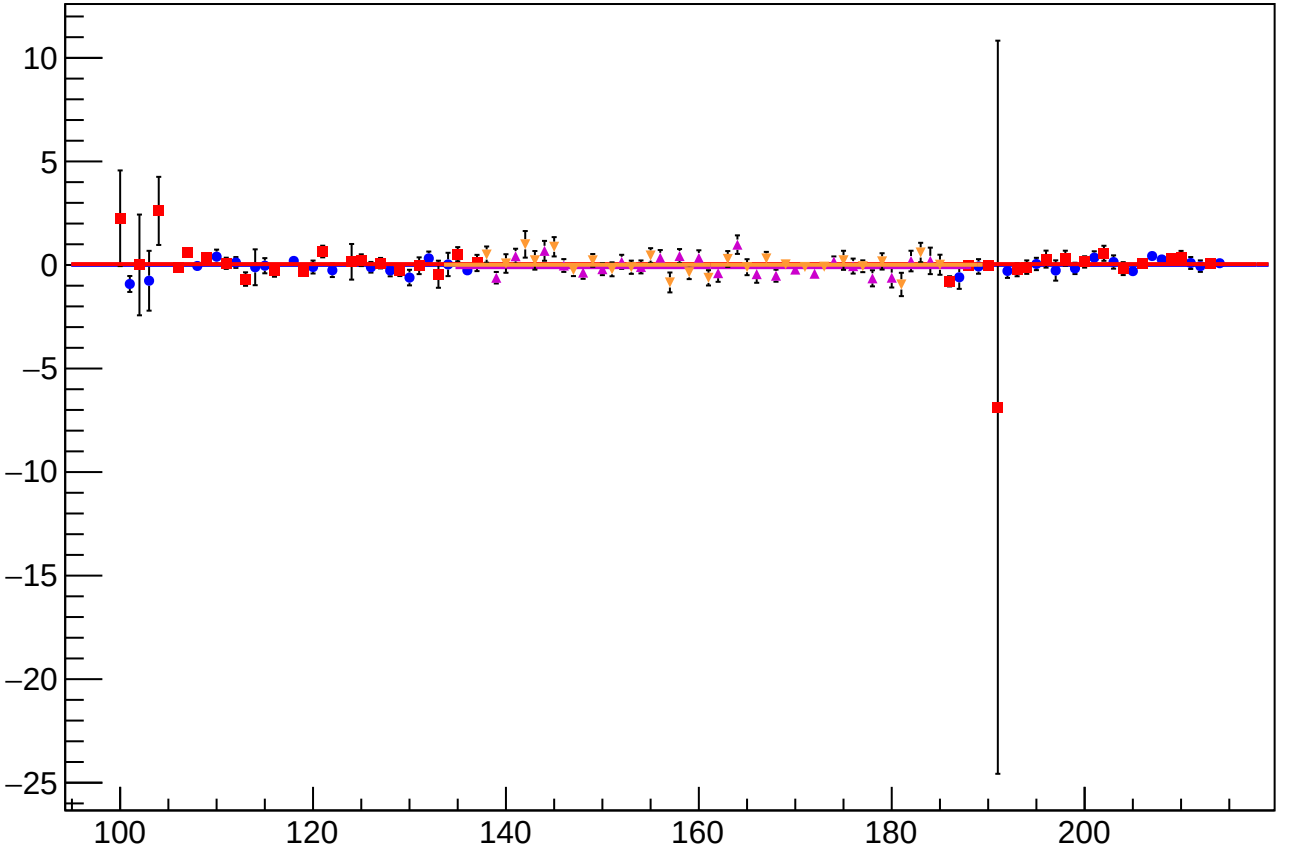
Right: 0.006+/-0.000 χ^2/NDF: 27071825.4/63

In: 0.006+/-0.000 χ^2/NDF:21147537.1/52

Out: 0.006+/-0.000 χ^2/NDF:23115274.7/58

All: 0.006+/-0.000 χ^2/NDF: 44291569.6/111

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

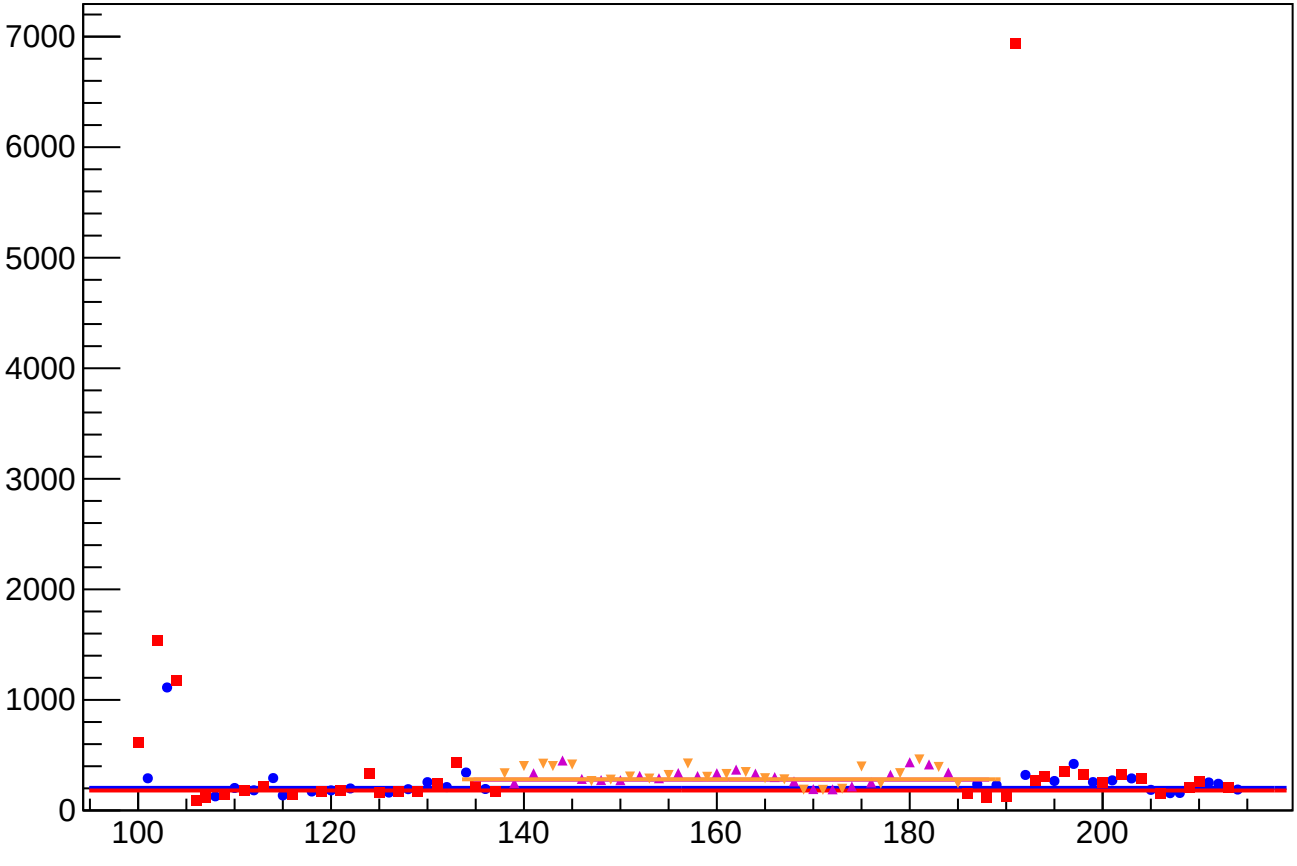
Right: 0.026+/-0.035 χ^2/NDF: 78.2/63

In: -0.035+/-0.041 χ^2/NDF:62.9/52

Out: 0.033+/-0.039 χ^2/NDF:73.5/58

All: 0.001+/-0.028 χ^2/NDF: 137.8/111

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

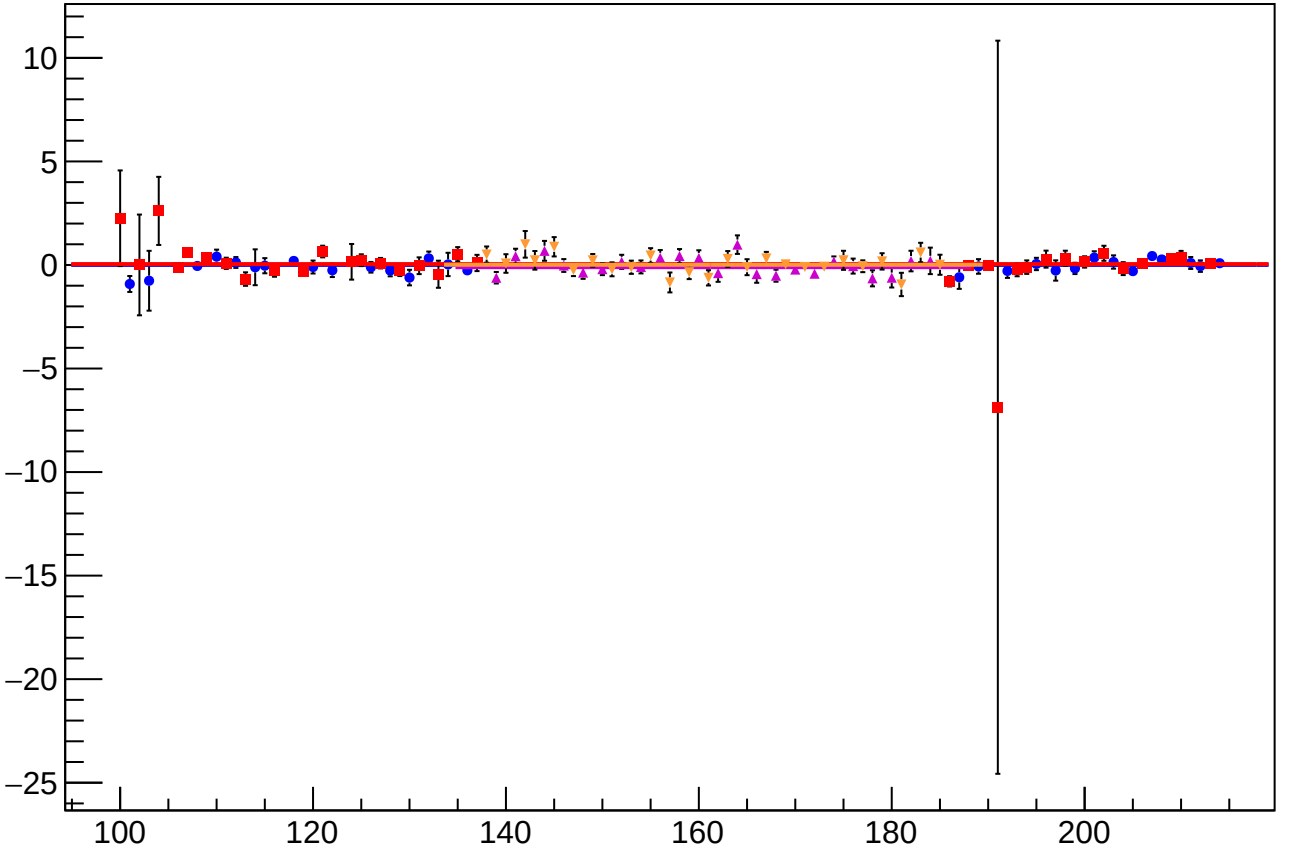
Right: 191.419+/-0.025 χ^2/NDF: 8904503.5/63

In: 231.126+/-0.029 χ^2/NDF:6287125.2/52

Out: 213.662+/-0.027 χ^2/NDF:11180912.0/58

All: 221.854+/-0.020 χ^2/NDF: 17657767.1/11

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

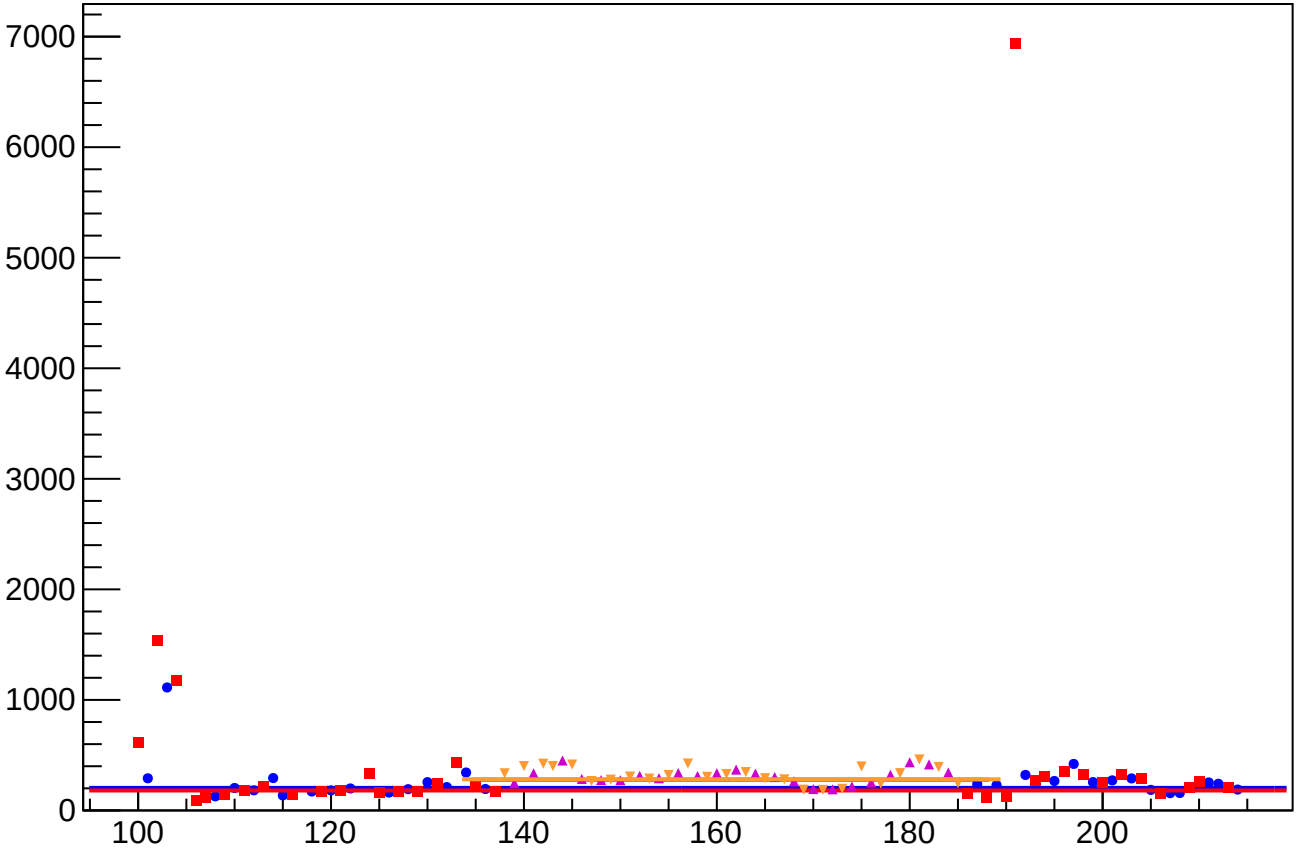
Right: 0.026+/-0.035 χ^2/NDF: 78.2/63

In: -0.035+/-0.041 χ^2/NDF:62.9/52

Out: 0.033+/-0.039 χ^2/NDF:73.5/58

All: 0.001+/-0.028 χ^2/NDF: 137.8/111

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

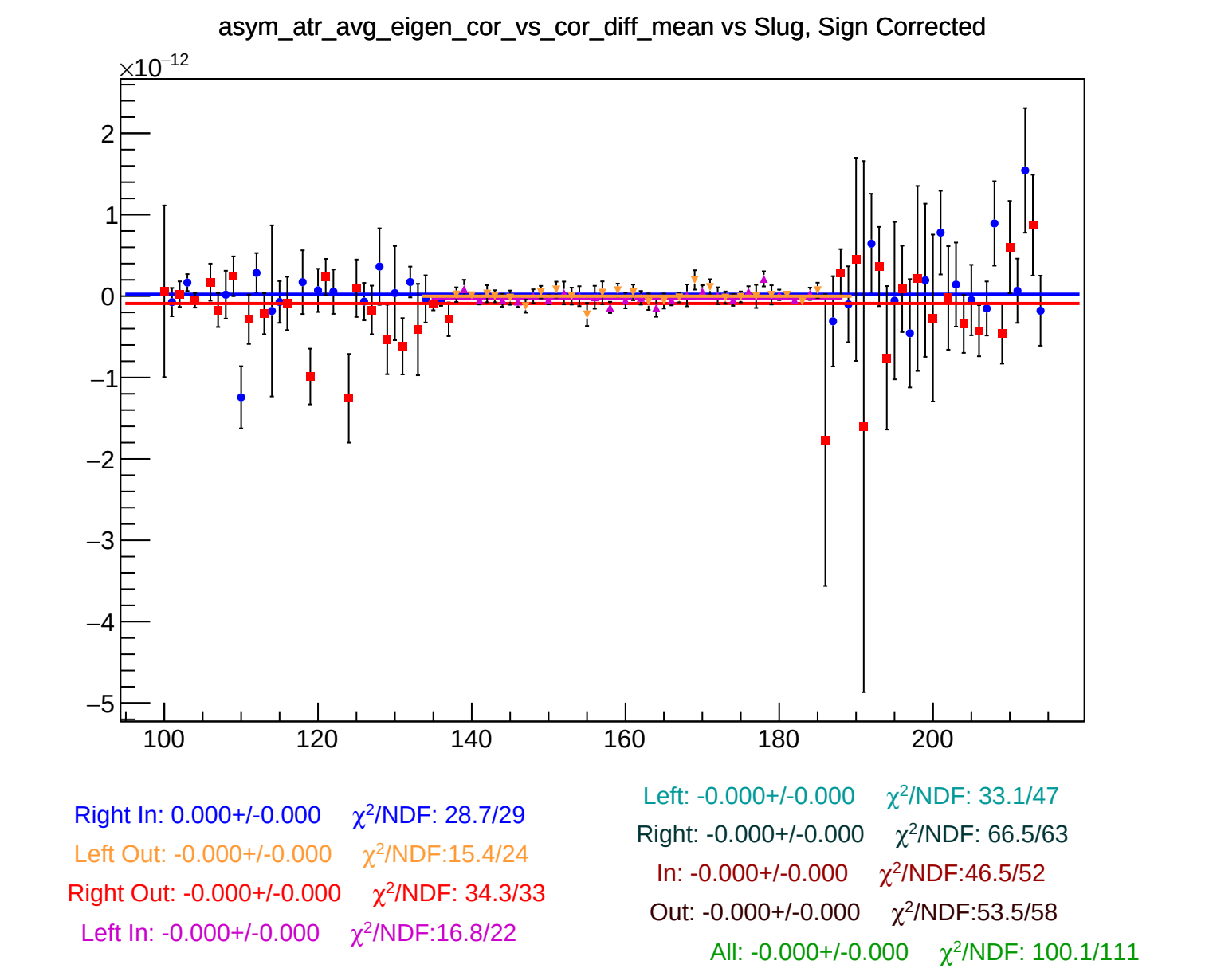
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

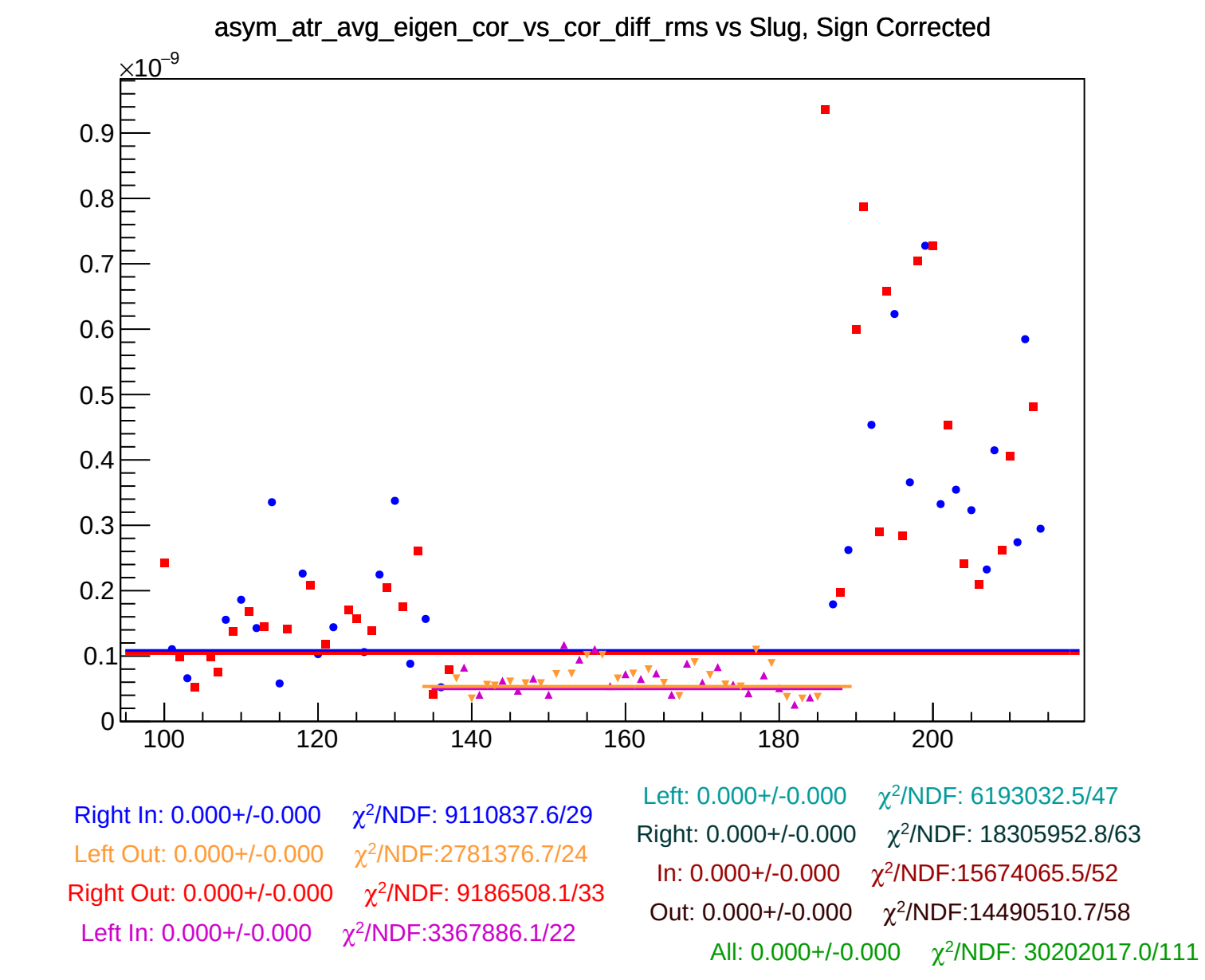
Right: 191.419+/-0.025 χ^2/NDF: 8904503.5/63

In: 231.126+/-0.029 χ^2/NDF:6287125.2/52

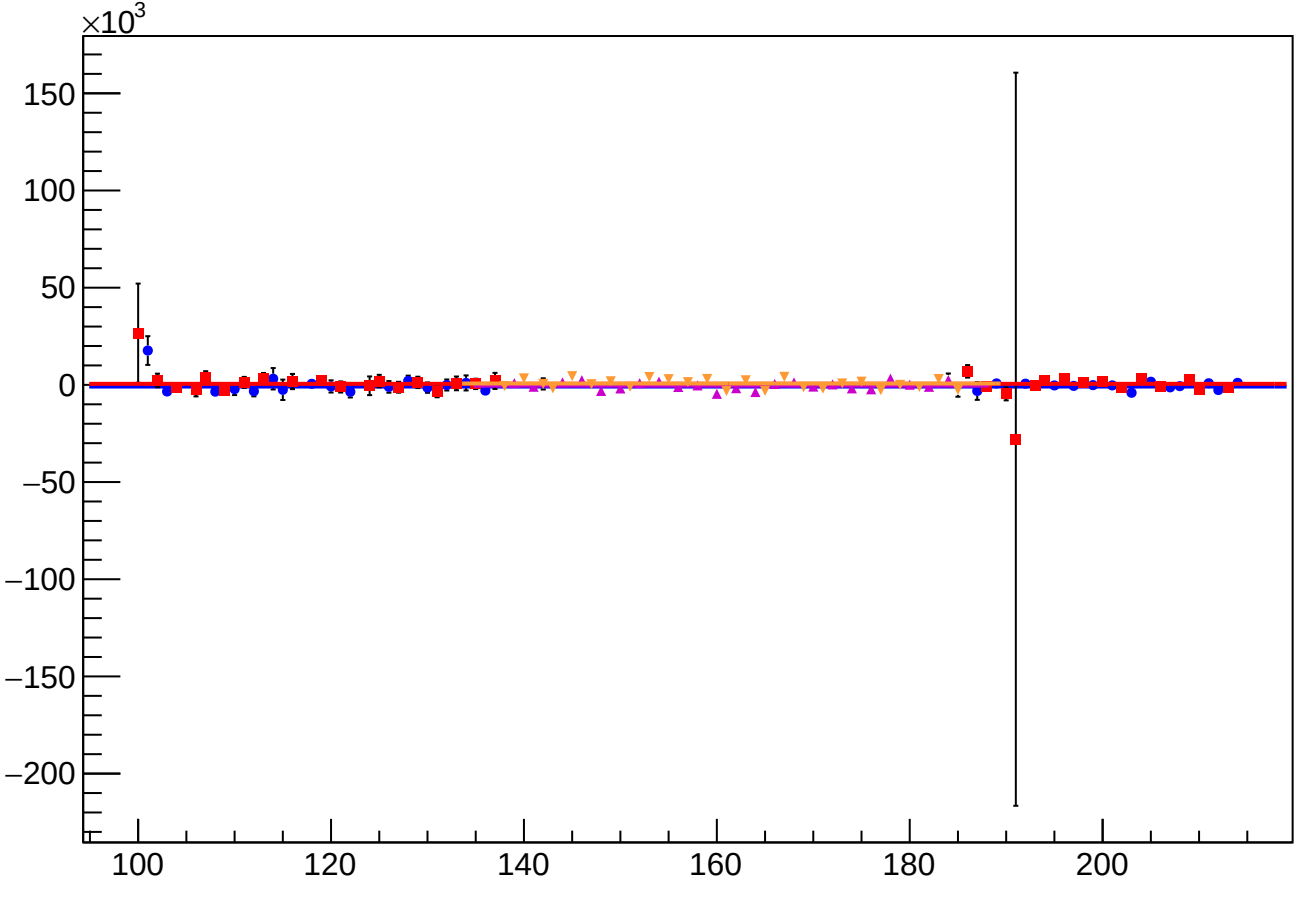
Out: 213.662+/-0.027 χ^2/NDF:11180912.0/58

All: 221.854+/-0.020 χ^2/NDF: 17657767.1/11


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 28.7/29
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.3/33
Left In: -0.000+/-0.000 χ²/NDF:16.8/22
Left: -0.000+/-0.000 χ²/NDF: 33.1/47
Right: -0.000+/-0.000 χ²/NDF: 66.5/63
In: -0.000+/-0.000 χ²/NDF:46.5/52
Out: -0.000+/-0.000 χ²/NDF:53.5/58
All: -0.000+/-0.000 χ²/NDF: 100.1/111


asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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: 9110837.6/29
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 9186508.1/33
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
Left: 0.000+/-0.000 χ²/NDF: 6193032.5/47
Right: 0.000+/-0.000 χ²/NDF: 18305952.8/63
In: 0.000+/-0.000 χ²/NDF:15674065.5/52
Out: 0.000+/-0.000 χ²/NDF:14490510.7/58
All: 0.000+/-0.000 χ²/NDF: 30202017.0/111

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

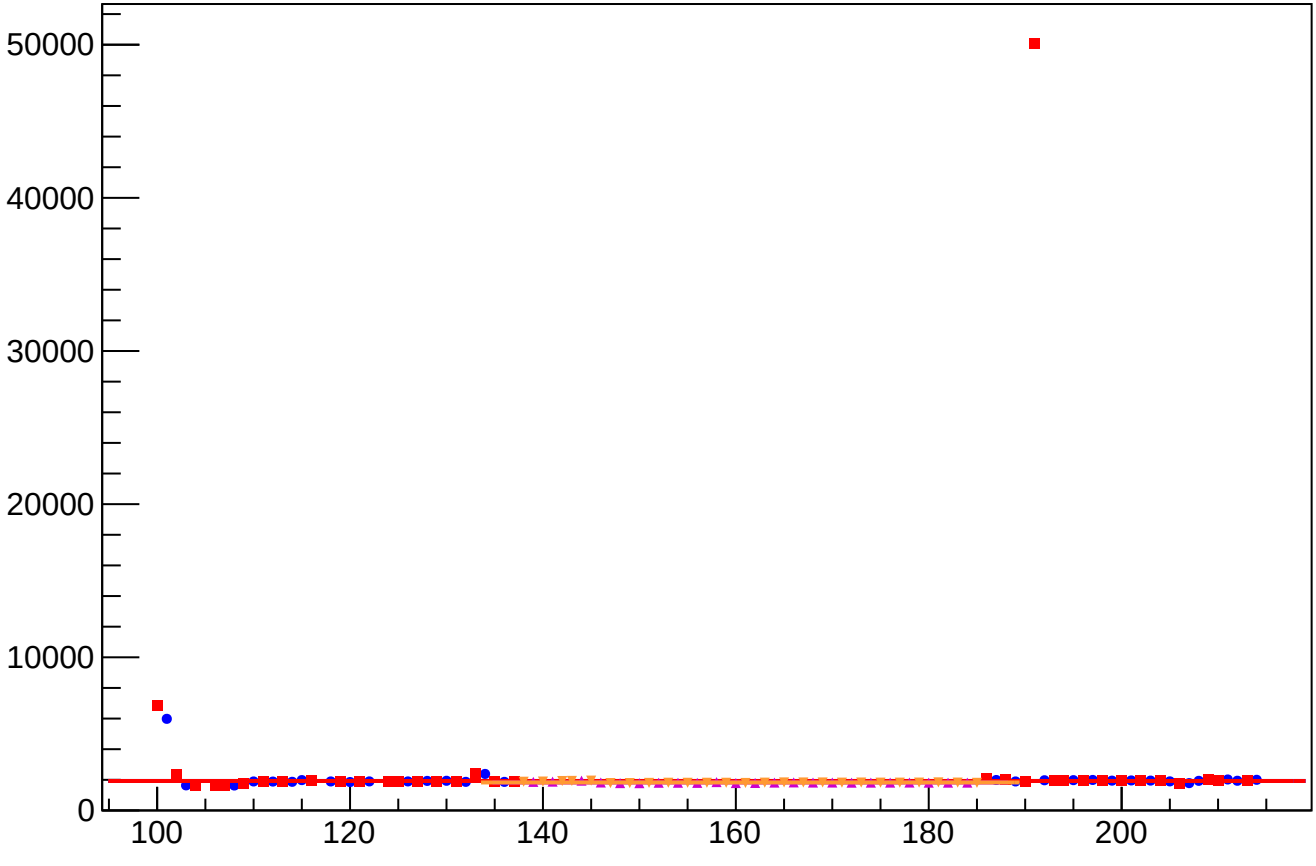
Right: -154.501+/-319.179 χ^2/NDF: 52.9/63

In: -615.374+/-310.762 χ^2/NDF:42.9/52

Out: 625.057+/-304.834 χ^2/NDF:58.6/58

All: 16.785+/-217.616 χ^2/NDF: 109.6/111

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

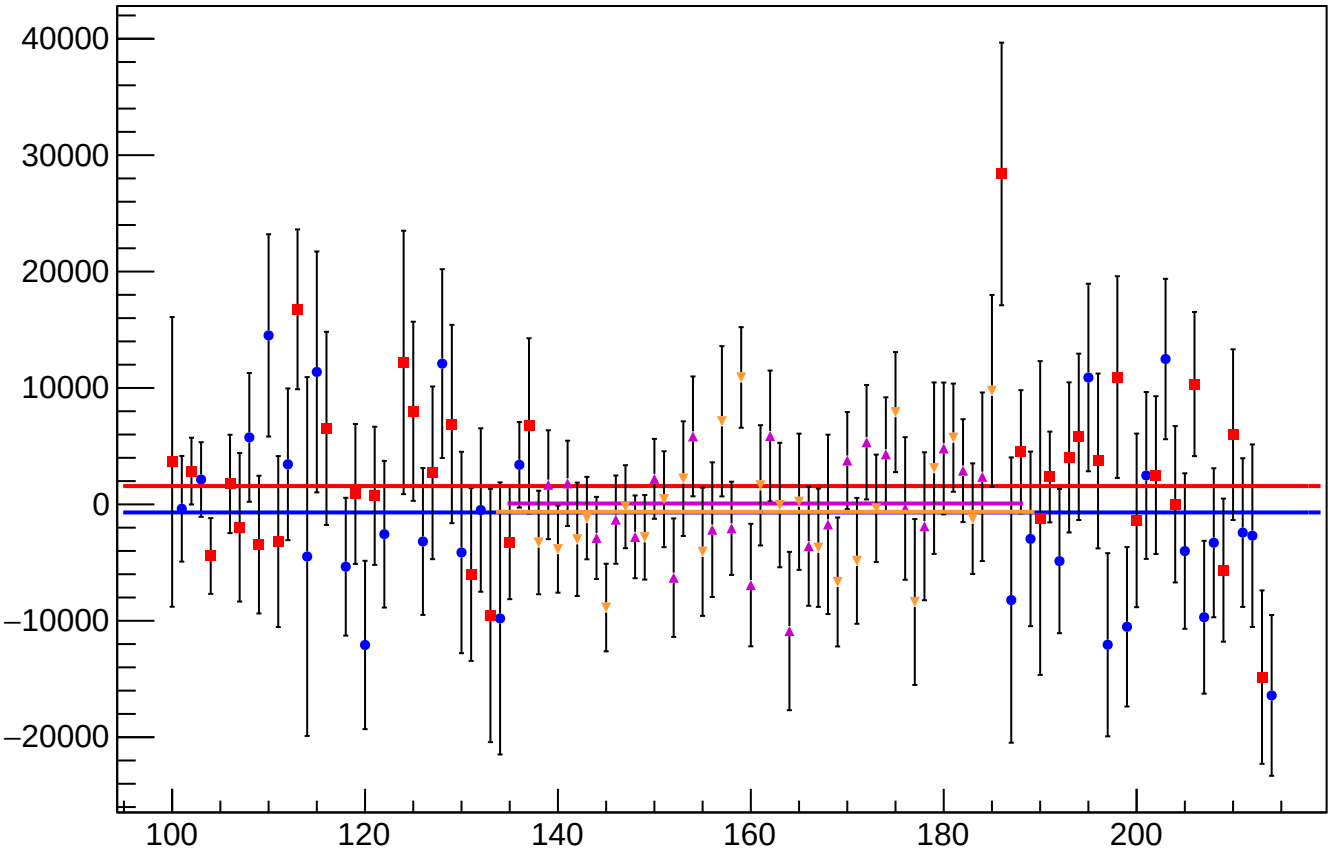
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1924.737+/-0.226 χ^2/NDF: 1116523.7/63

In: 1871.995+/-0.220 χ^2/NDF:788487.6/52

Out: 1872.651+/-0.215 χ^2/NDF:461736.4/58

All: 1872.330+/-0.154 χ^2/NDF: 1250228.6/11



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

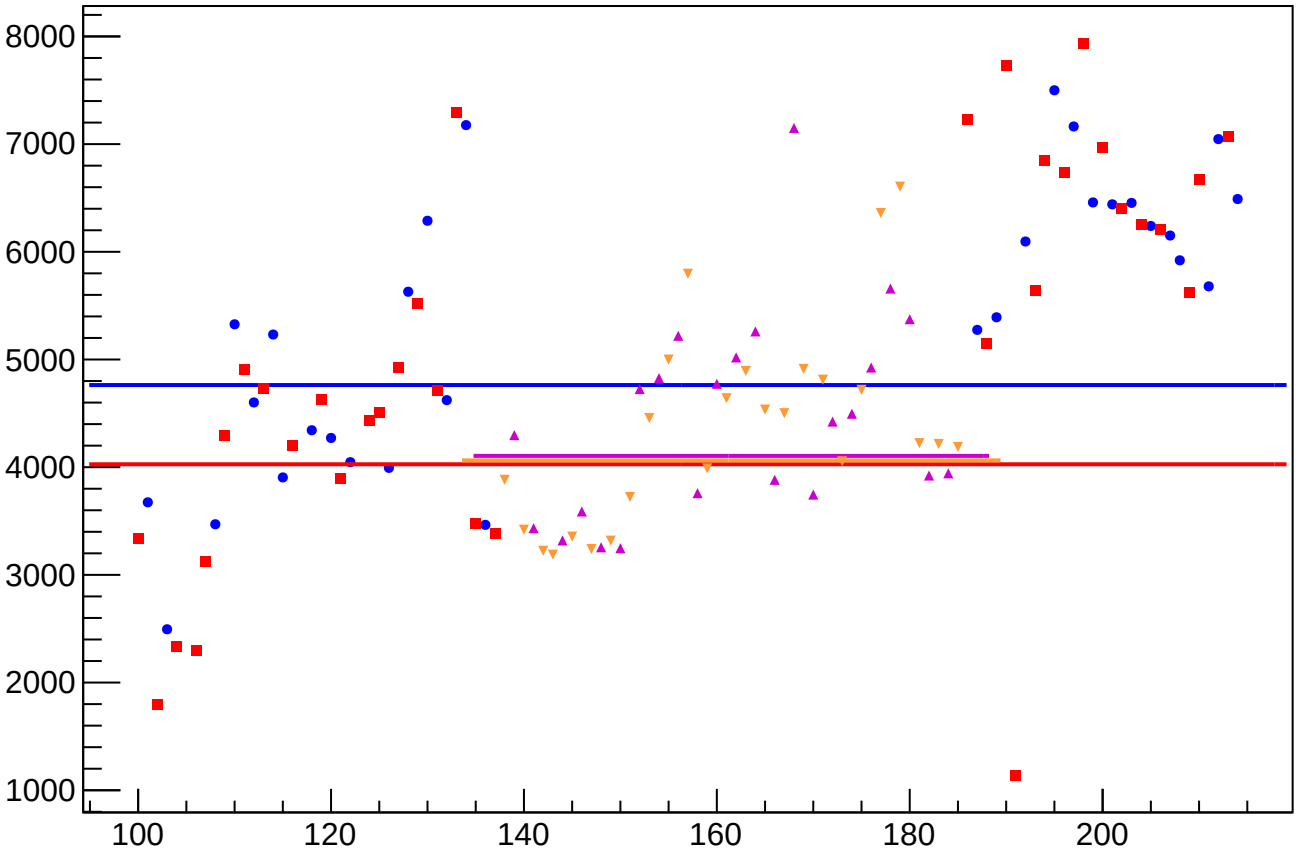
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 571.767+/-776.498 χ^2/NDF: 68.1/63

In: -242.098+/-750.914 χ^2/NDF:49.2/52

Out: 365.087+/-699.941 χ^2/NDF:61.0/58

All: 82.801+/-512.006 χ^2/NDF: 110.5/111



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

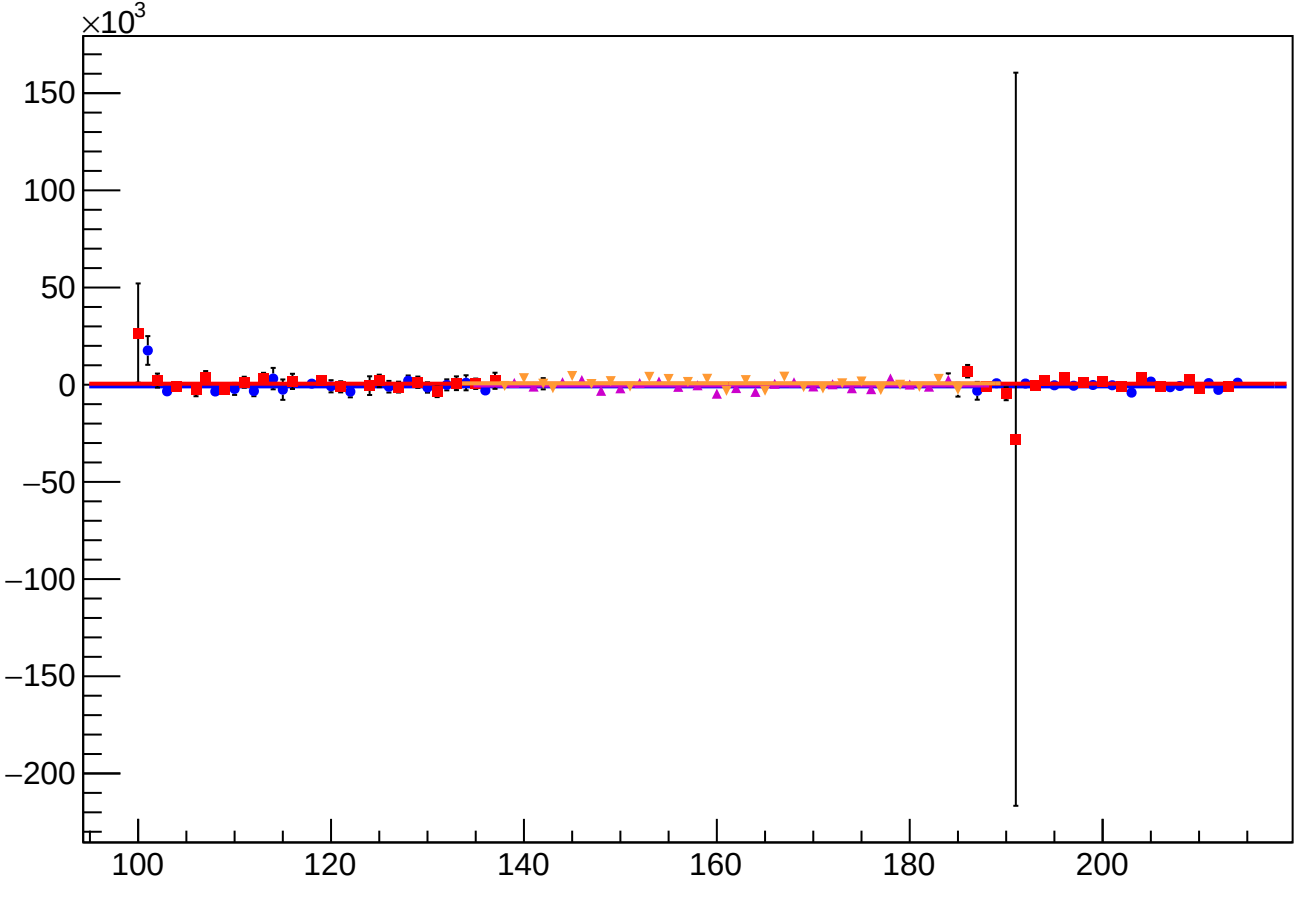
Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

Right: 4352.087+/-0.549 χ^2/NDF: 10559547.9/63

In: 4376.757+/-0.531 χ^2/NDF:4945559.0/52

Out: 4046.790+/-0.495 χ^2/NDF:8309165.4/58

All: 4200.195+/-0.362 χ^2/NDF: 13461366.5/1



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

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

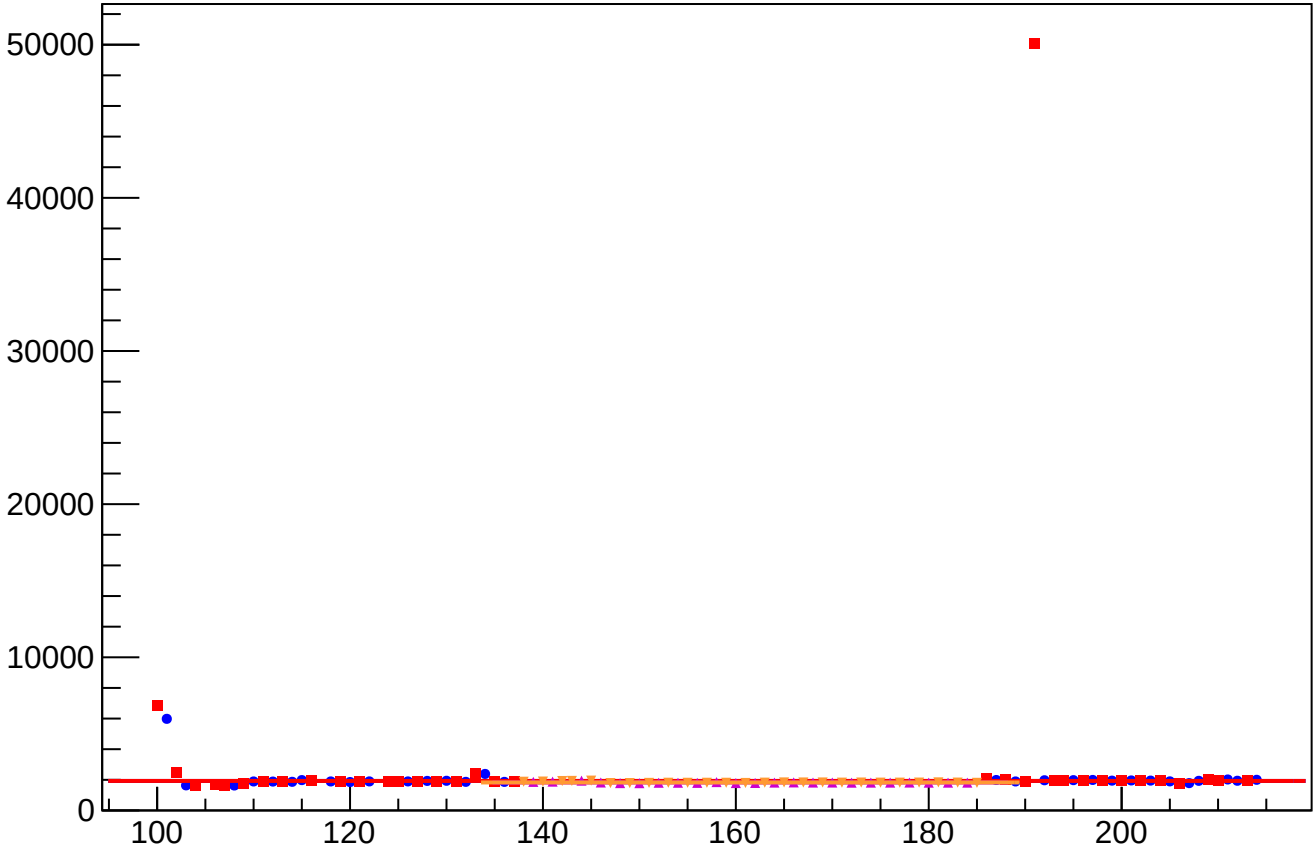
Right: -157.064+/-319.268 χ^2/NDF: 52.8/63

In: -615.393+/-310.762 χ^2/NDF:42.8/52

Out: 623.247+/-304.911 χ^2/NDF:58.6/58

All: 15.696+/-217.644 χ^2/NDF: 109.5/111

cor_asym_atr_dd_rms vs Slug, Sign Corrected



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

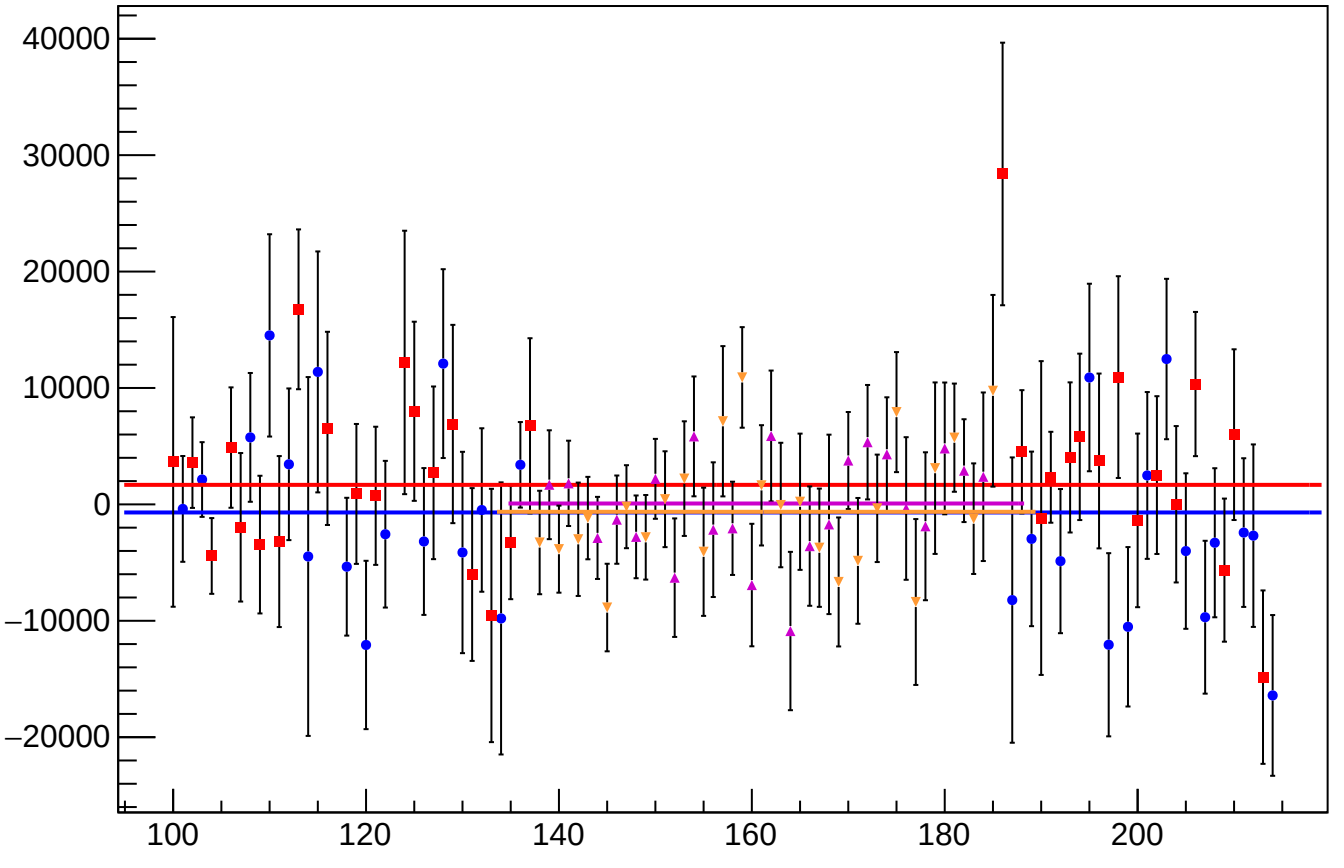
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1926.198+/-0.226 χ^2/NDF: 1122743.2/63

In: 1871.995+/-0.220 χ^2/NDF:788487.7/52

Out: 1873.921+/-0.216 χ^2/NDF:470880.8/58

All: 1872.977+/-0.154 χ^2/NDF: 1259407.7/11



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

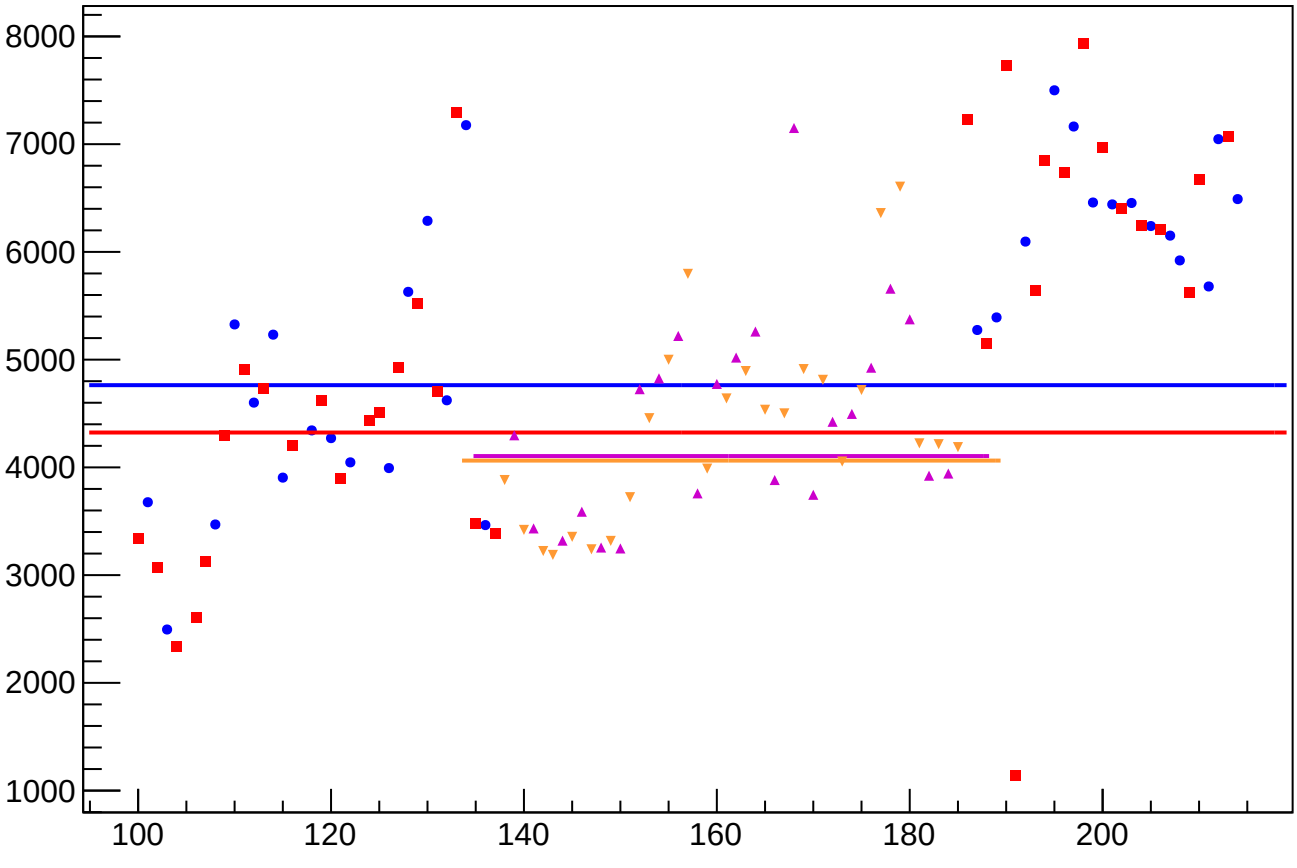
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 580.050+/-794.566 χ^2/NDF: 68.7/63

In: -242.500+/-750.936 χ^2/NDF:49.2/52

Out: 364.256+/-713.069 χ^2/NDF:61.6/58

All: 76.561+/-517.084 χ^2/NDF: 111.1/111



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

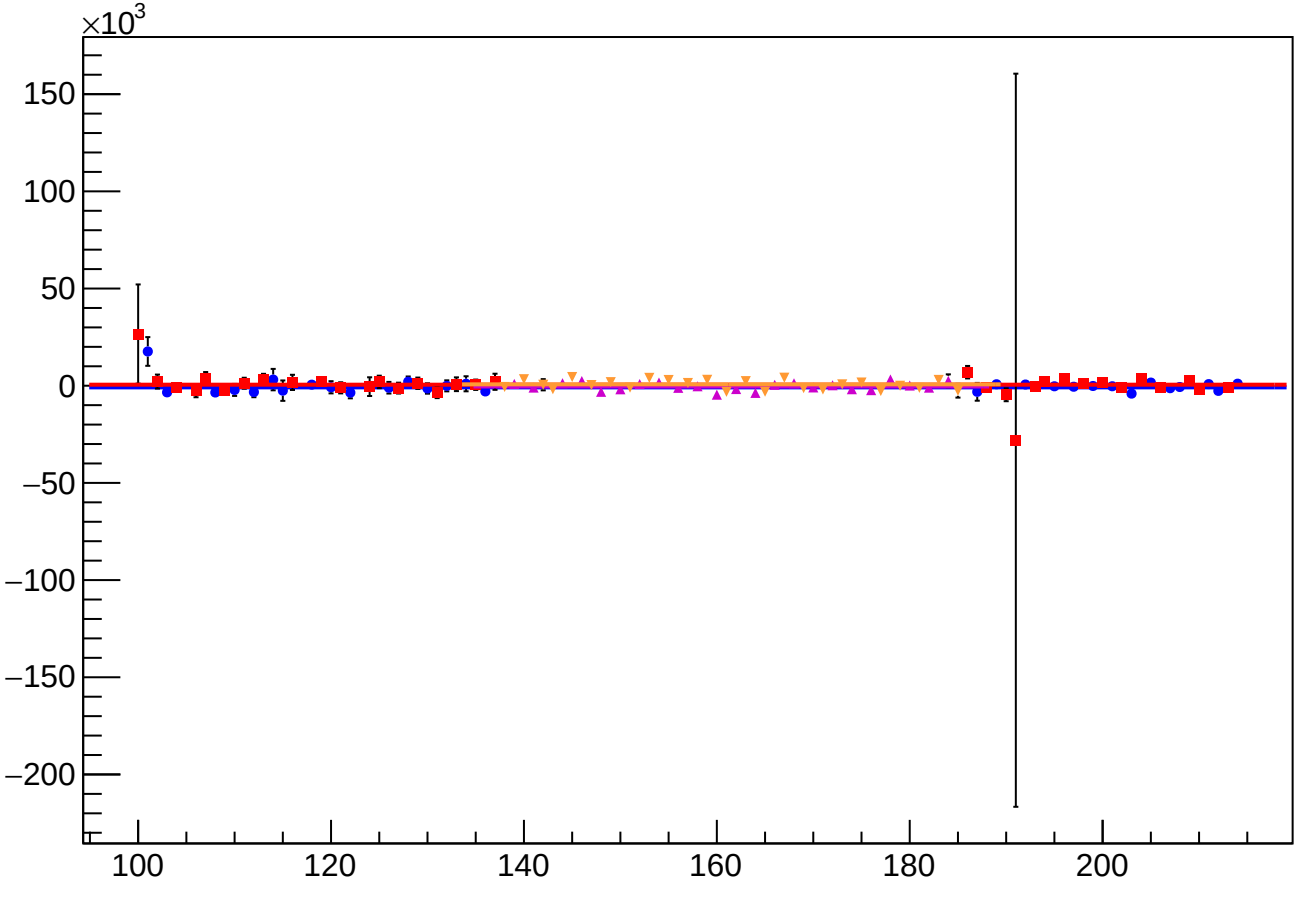
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4526.919+/-0.562 χ^2/NDF: 8840021.7/63

In: 4376.920+/-0.531 χ^2/NDF:4944520.8/52

Out: 4175.886+/-0.504 χ^2/NDF:6945873.5/58

All: 4271.207+/-0.366 χ^2/NDF: 11965769.0/1



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

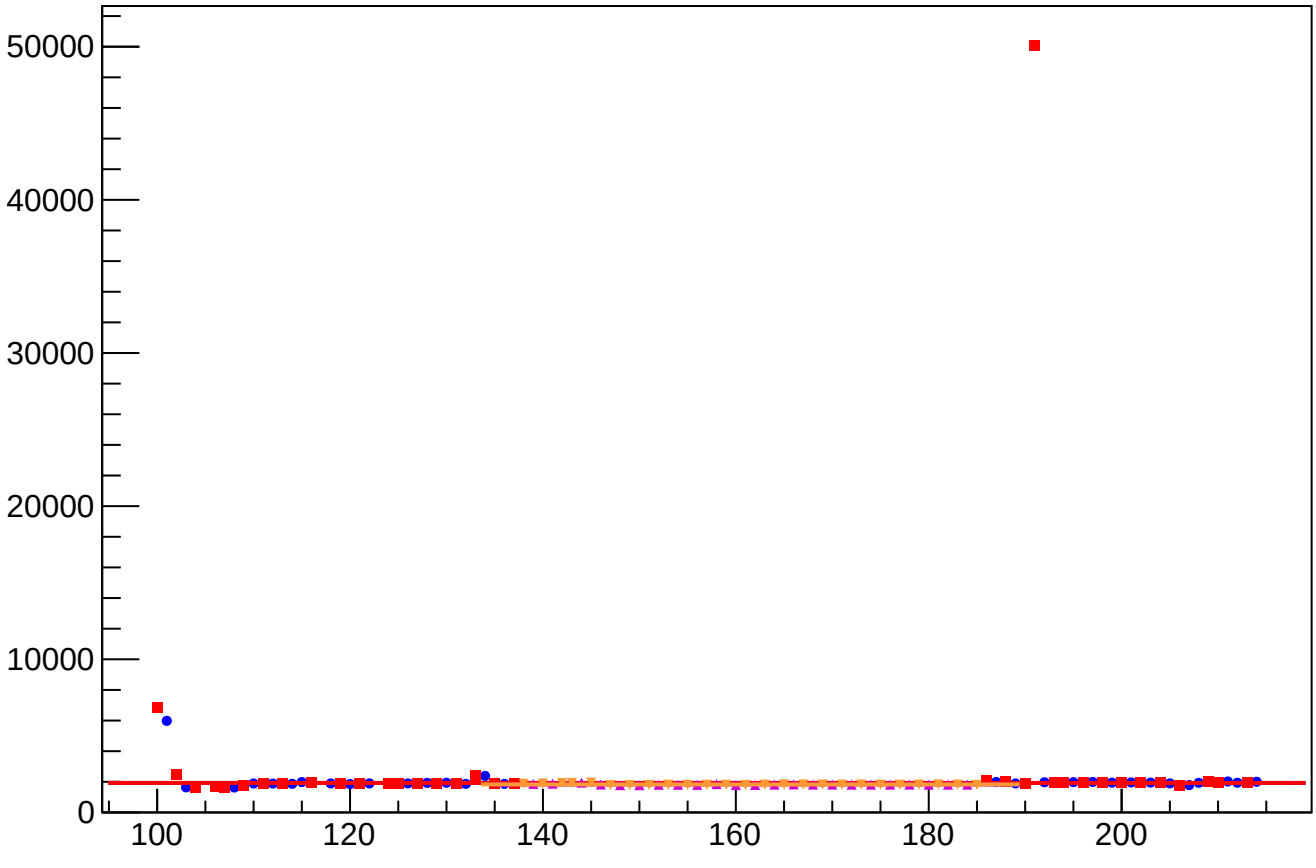
Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

Right: -157.064+/-319.268 χ^2/NDF: 52.8/63

In: -615.393+/-310.762 χ^2/NDF:42.8/52

Out: 623.247+/-304.911 χ^2/NDF:58.6/58

All: 15.696+/-217.644 χ^2/NDF: 109.5/111



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

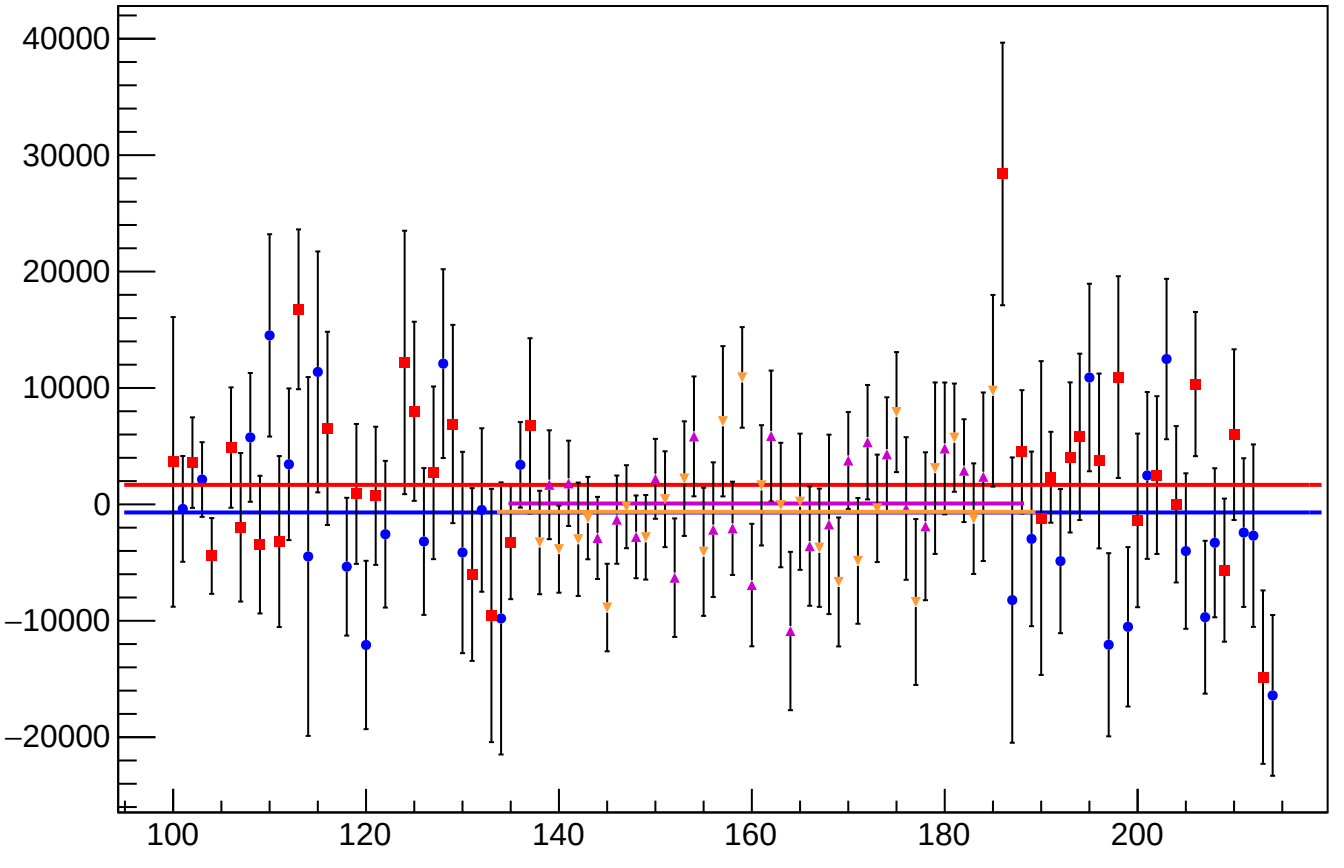
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1926.198+/-0.226 χ^2/NDF: 1122743.2/63

In: 1871.995+/-0.220 χ^2/NDF:788487.7/52

Out: 1873.921+/-0.216 χ^2/NDF:470880.8/58

All: 1872.977+/-0.154 χ^2/NDF: 1259407.7/11



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

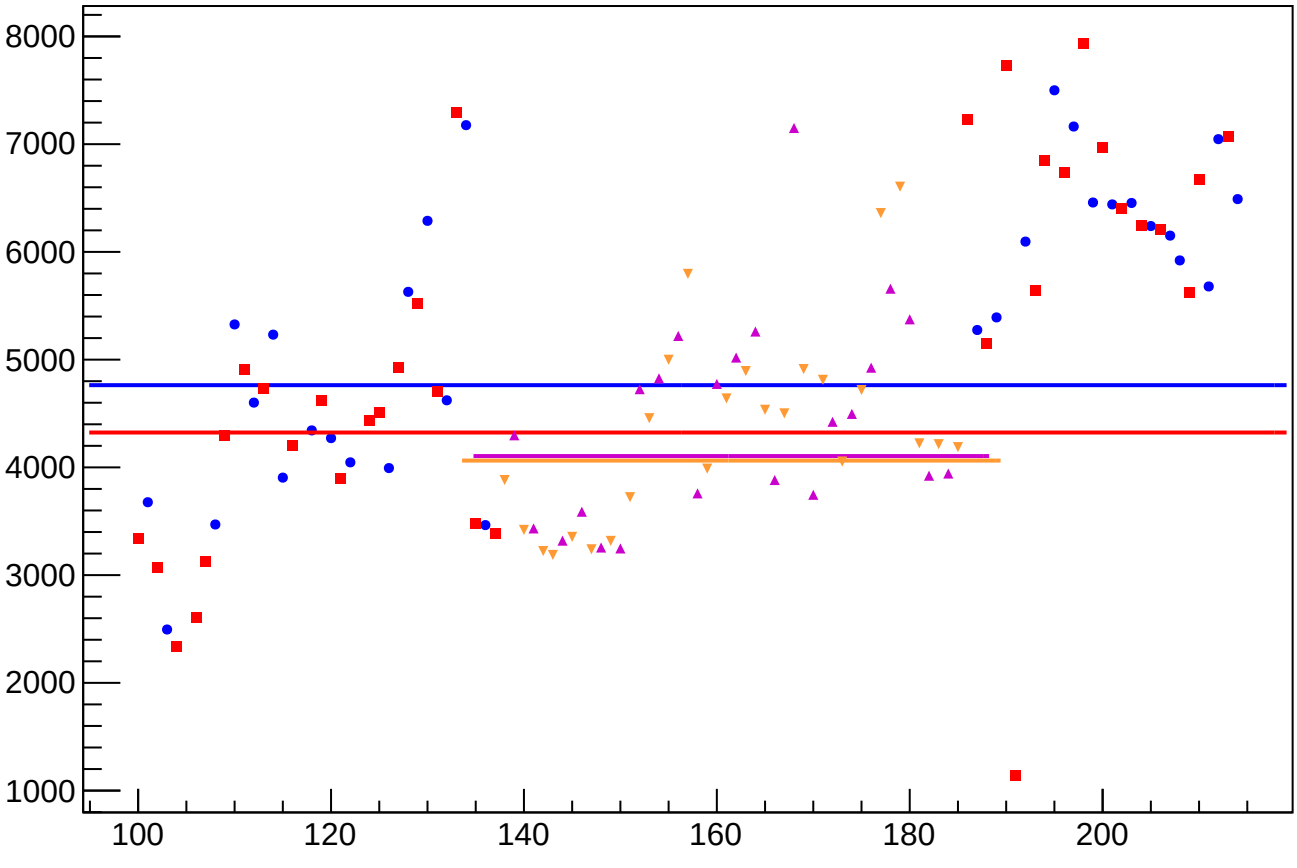
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 580.050+/-794.566 χ^2/NDF: 68.7/63

In: -242.500+/-750.936 χ^2/NDF:49.2/52

Out: 364.256+/-713.069 χ^2/NDF:61.6/58

All: 76.561+/-517.084 χ^2/NDF: 111.1/111



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

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

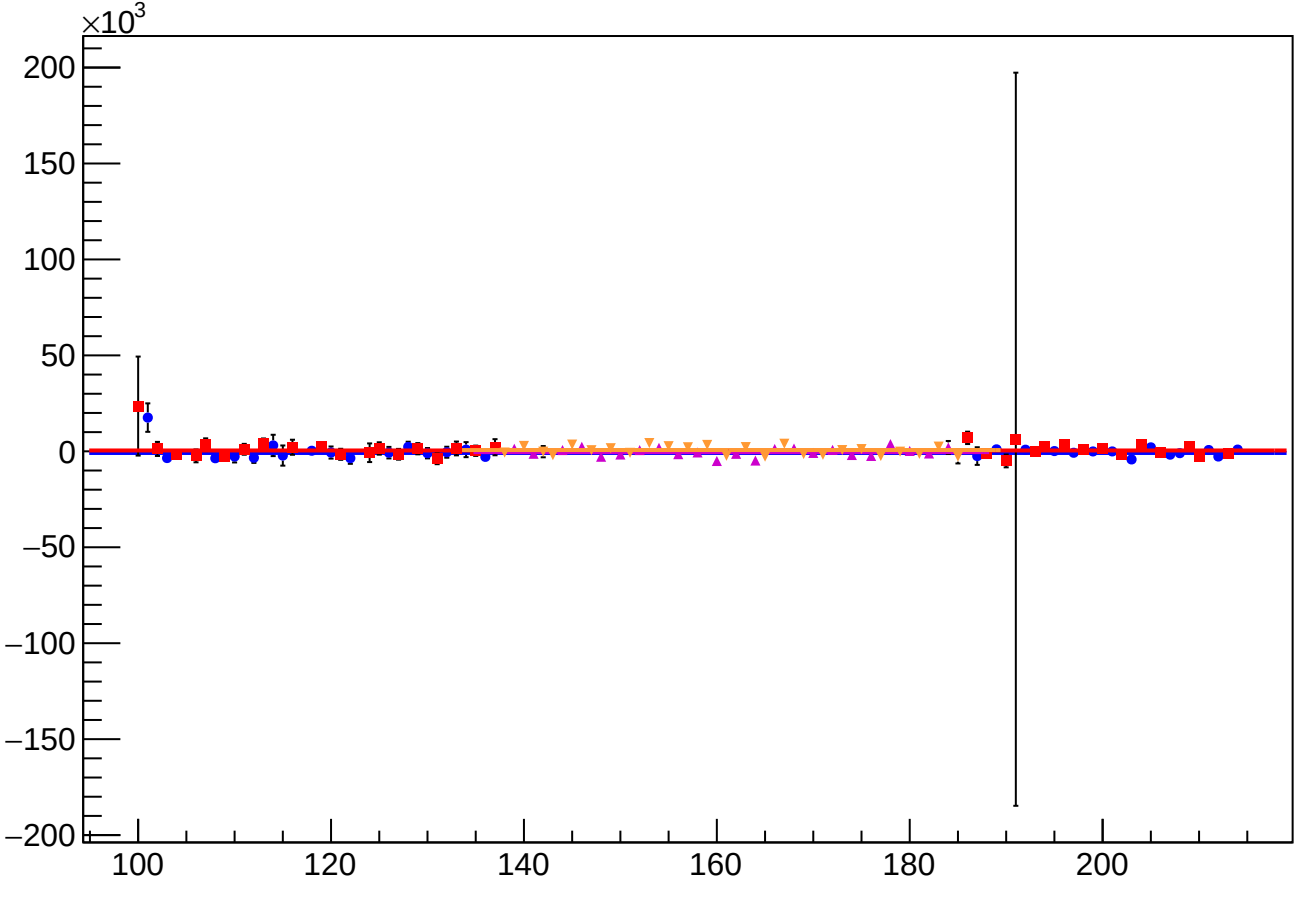
Right: 4526.919+/-0.562 χ^2/NDF: 8840021.7/63

In: 4376.920+/-0.531 χ^2/NDF:4944520.8/52

Out: 4175.886+/-0.504 χ^2/NDF:6945873.5/58

All: 4271.207+/-0.366 χ^2/NDF: 11965769.0/1

dit_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

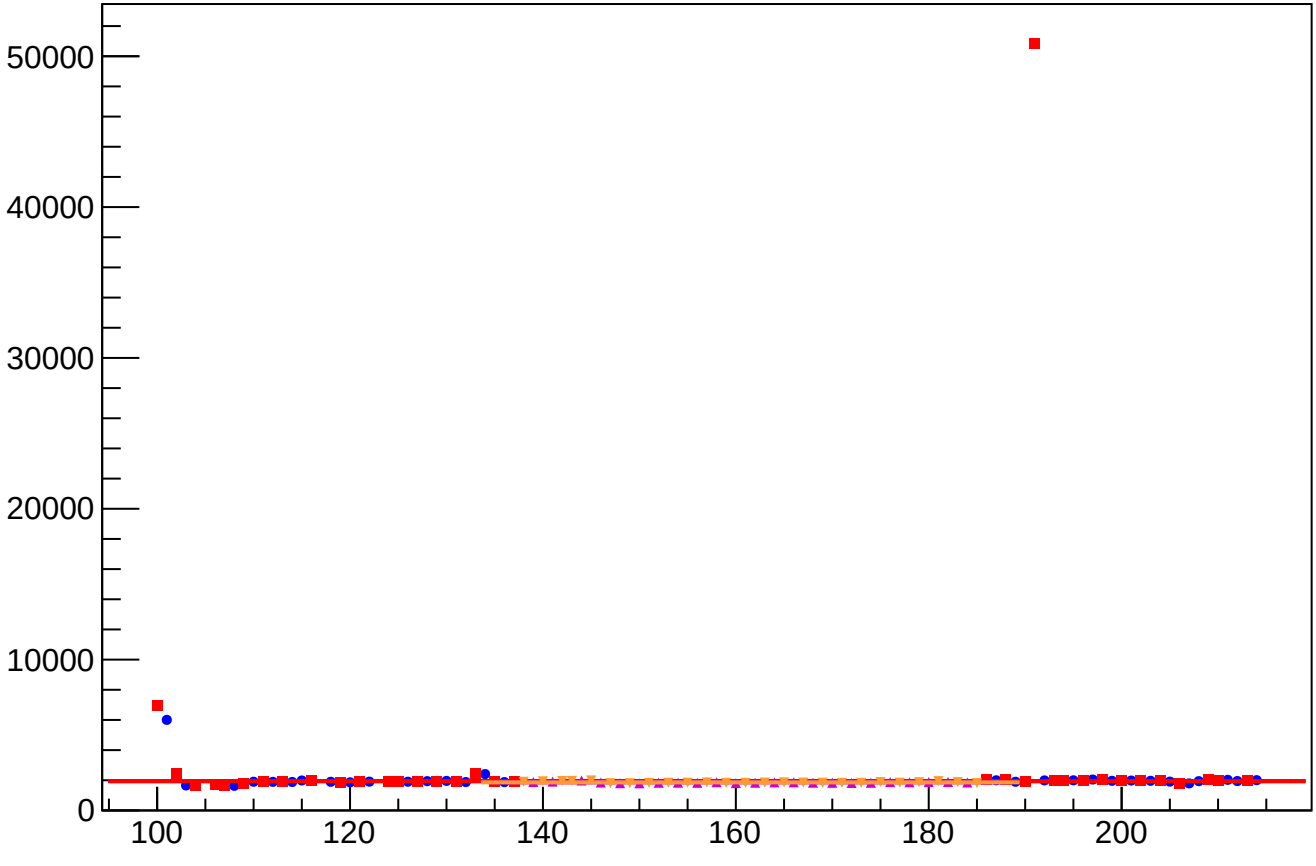
Right: -198.564+/-321.962 χ^2/NDF: 55.6/63

In: -620.166+/-314.860 χ^2/NDF:47.0/52

Out: 557.525+/-309.201 χ^2/NDF:55.9/58

All: -20.642+/-220.612 χ^2/NDF: 110.0/111

dit_asym_atr_dd_rms vs Slug, Sign Corrected



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

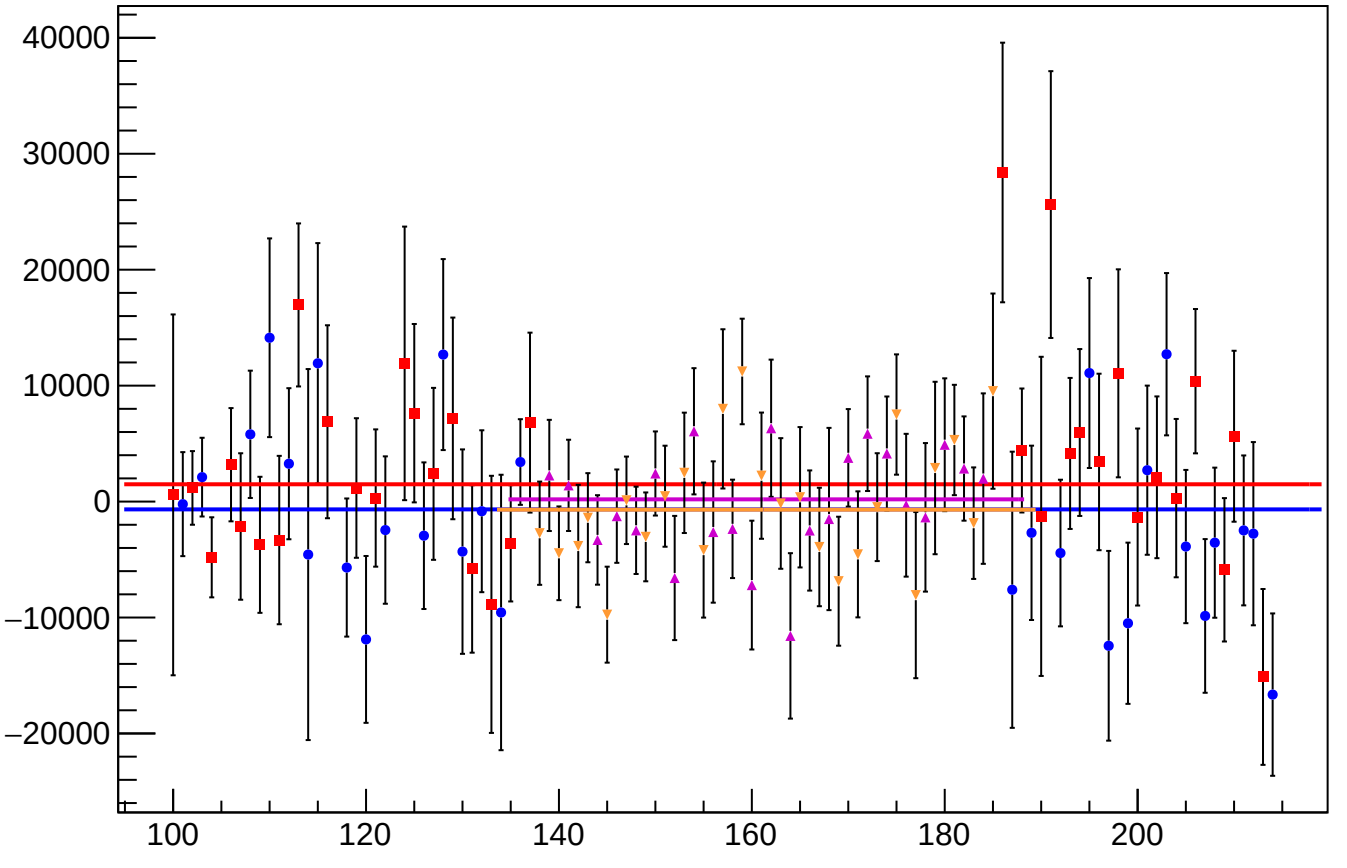
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1942.128+/-0.228 χ^2/NDF: 1133959.2/63

In: 1896.726+/-0.223 χ^2/NDF:776865.4/52

Out: 1900.082+/-0.219 χ^2/NDF:468942.3/58

All: 1898.435+/-0.156 χ^2/NDF: 1245923.5/11



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

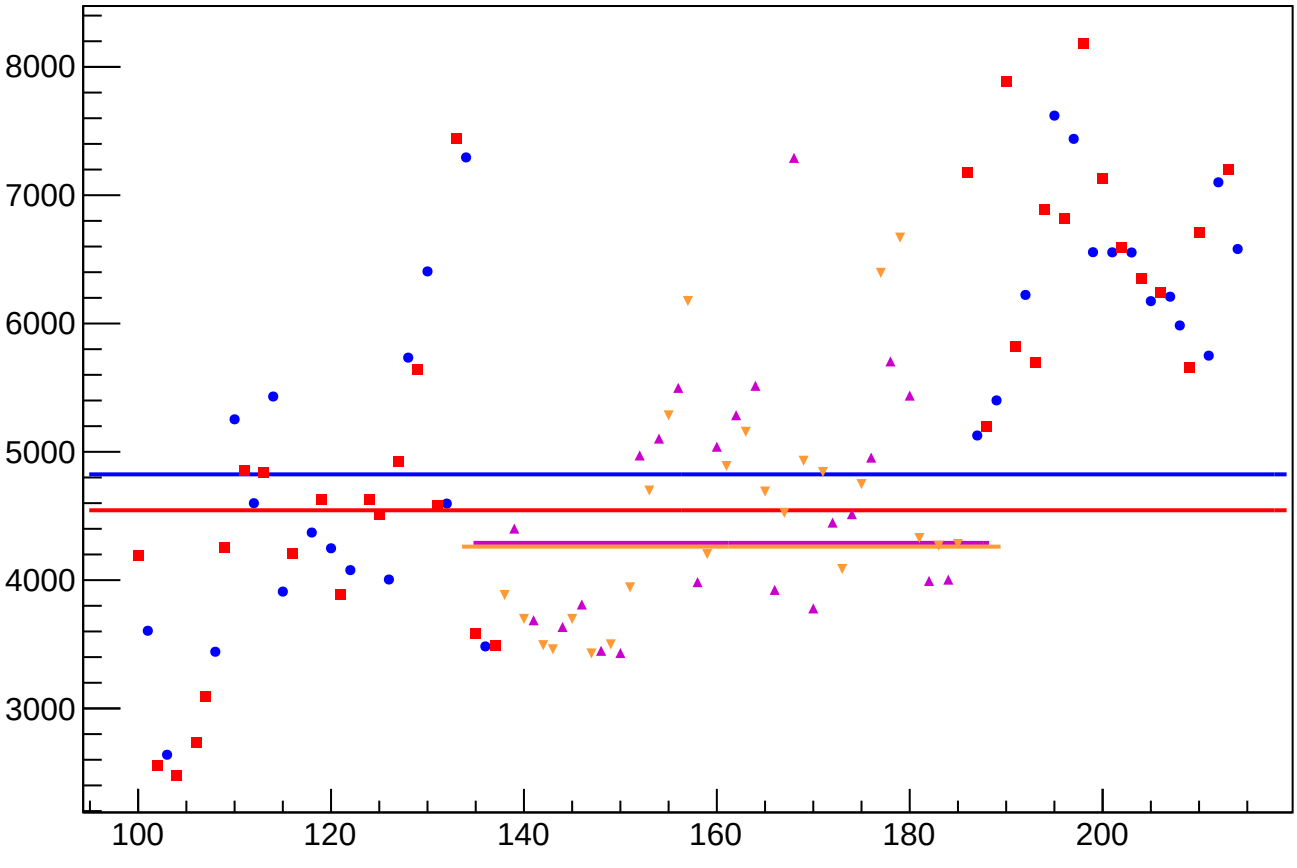
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 475.464+/-810.409 χ^2/NDF: 71.7/63

In: -177.827+/-773.426 χ^2/NDF:48.8/52

Out: 269.705+/-739.693 χ^2/NDF:64.1/58

All: 55.911+/-534.570 χ^2/NDF: 113.1/111



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

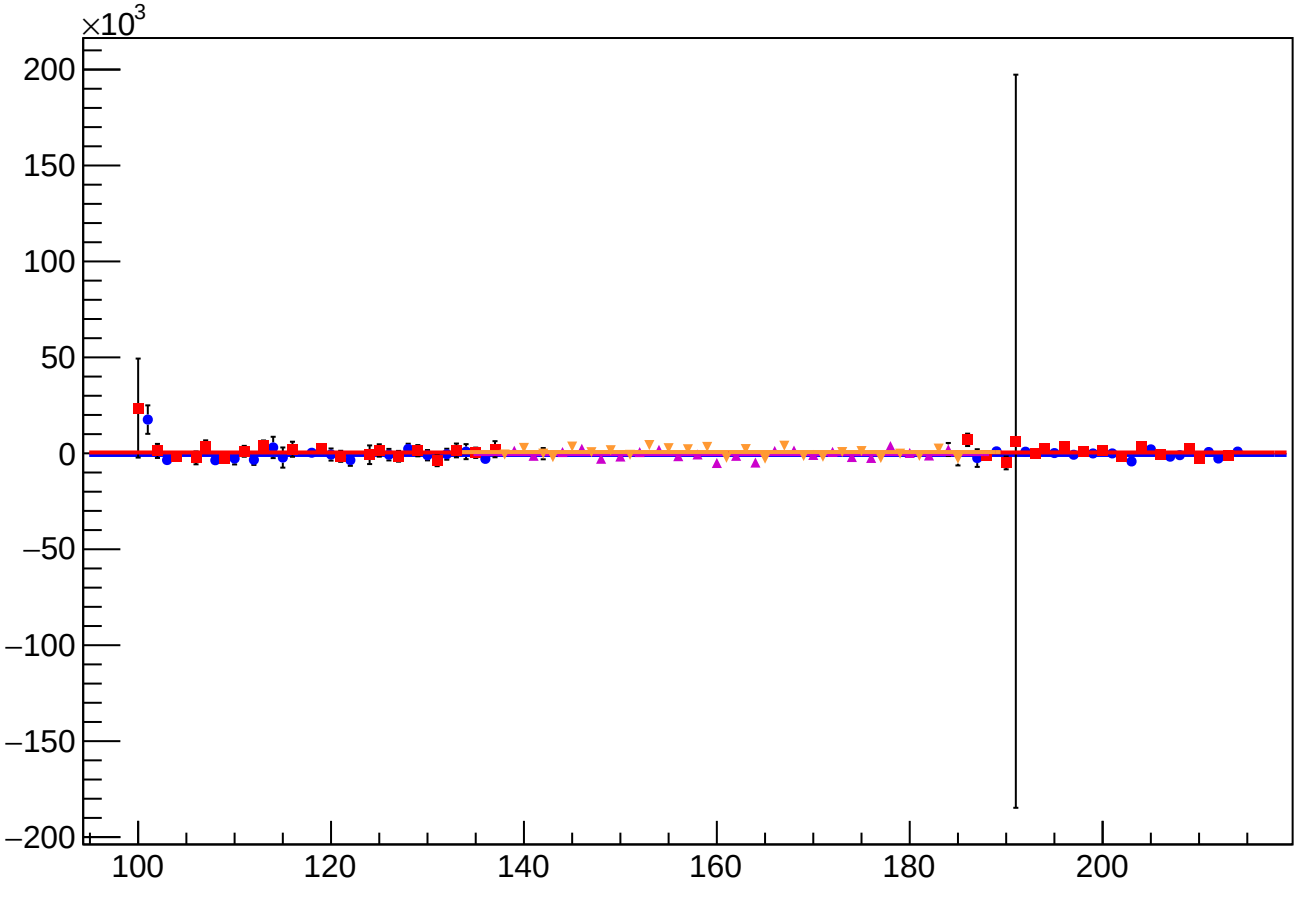
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4675.892+/-0.573 χ^2/NDF: 7636884.7/63

In: 4518.839+/-0.547 χ^2/NDF:4577805.6/52

Out: 4386.261+/-0.523 χ^2/NDF:5709823.6/58

All: 4449.596+/-0.378 χ^2/NDF: 10318322.5/1



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

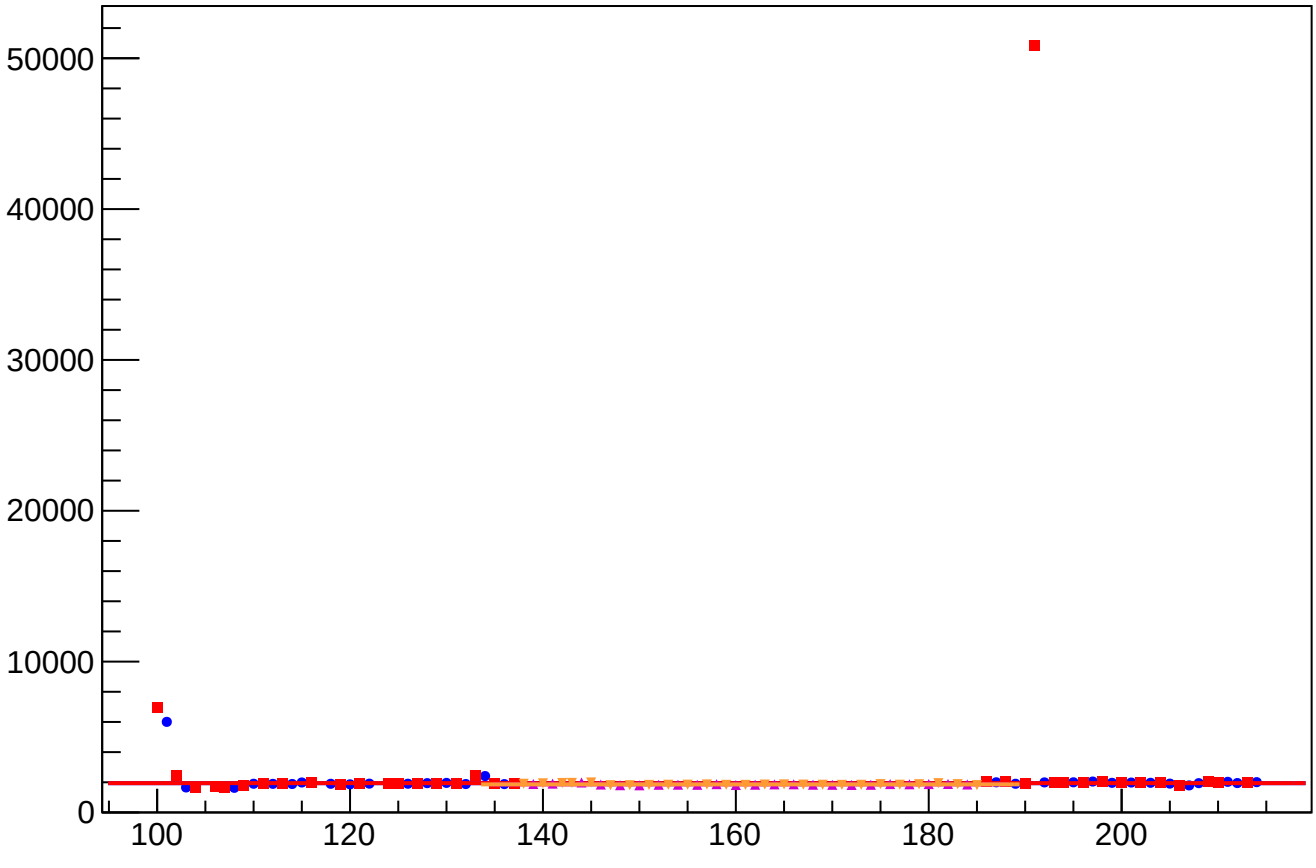
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -198.565+/-321.962 χ^2/NDF: 55.6/63

In: -620.165+/-314.860 χ^2/NDF:47.0/52

Out: 557.526+/-309.201 χ^2/NDF:55.9/58

All: -20.641+/-220.612 χ^2/NDF: 110.0/111



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

Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

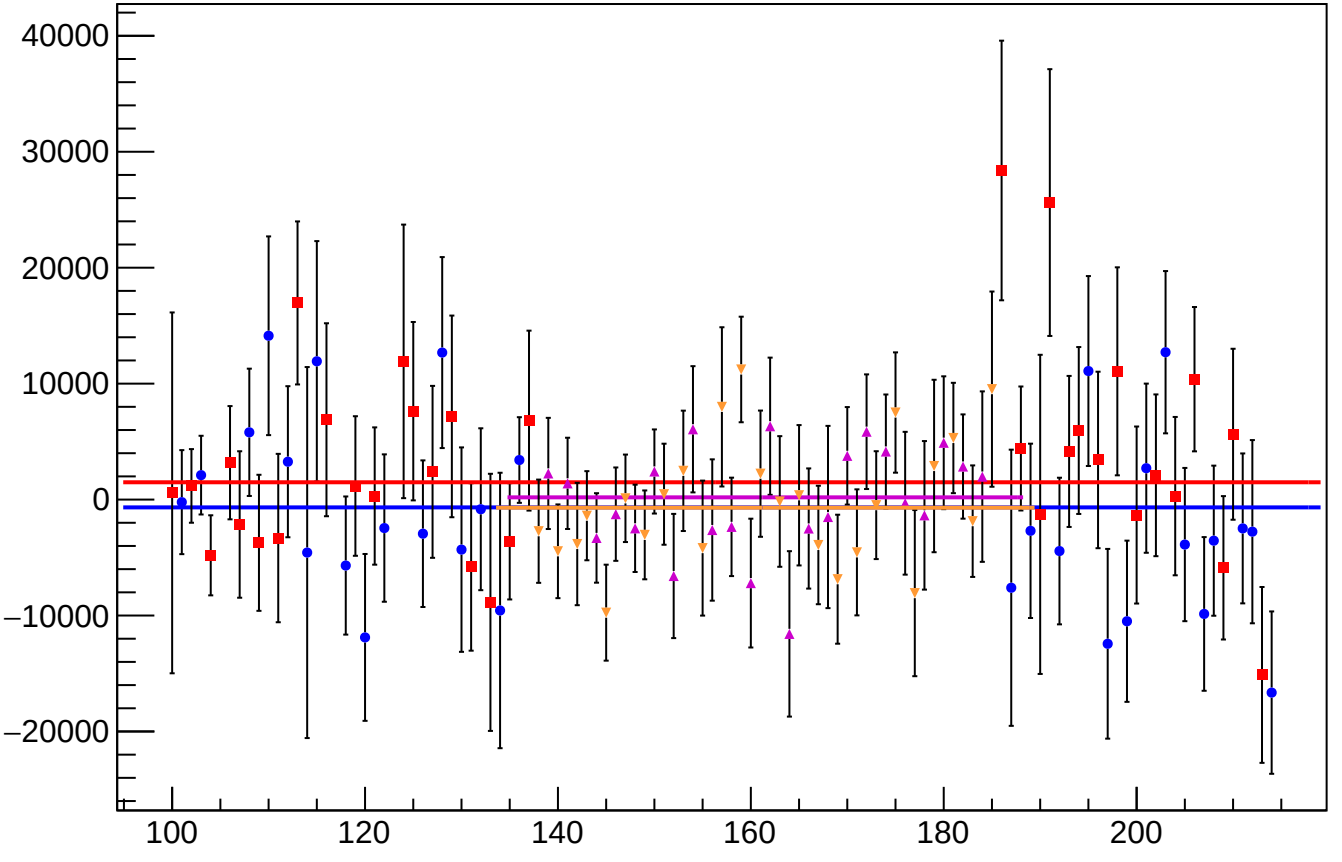
Right: 1942.128+/-0.228 χ^2/NDF: 1133959.3/63

In: 1896.726+/-0.223 χ^2/NDF:776864.7/52

Out: 1900.083+/-0.219 χ^2/NDF:468942.1/58

All: 1898.435+/-0.156 χ^2/NDF: 1245922.5/11

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

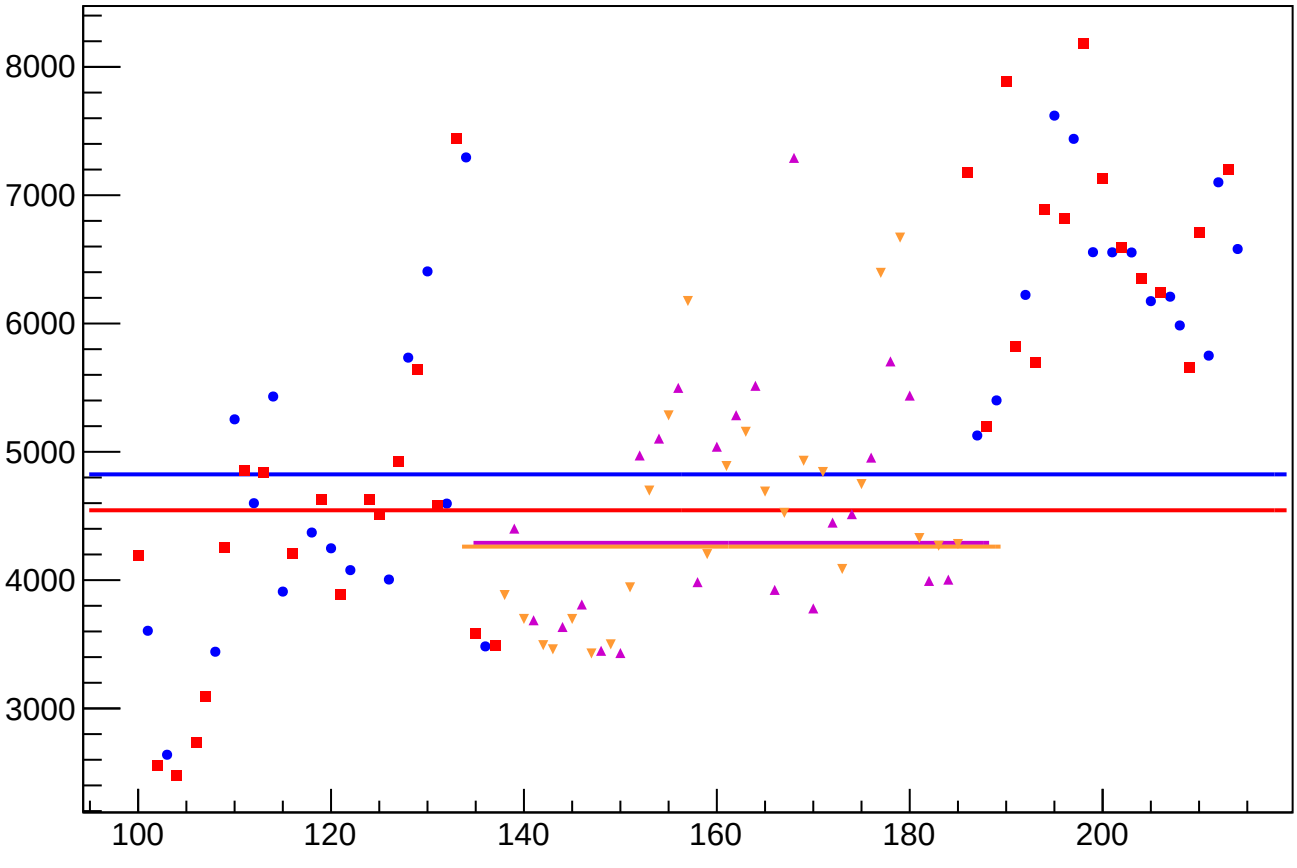
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 475.460+/-810.409 χ^2/NDF: 71.7/63

In: -177.829+/-773.426 χ^2/NDF:48.8/52

Out: 269.707+/-739.694 χ^2/NDF:64.1/58

All: 55.911+/-534.570 χ^2/NDF: 113.1/111



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

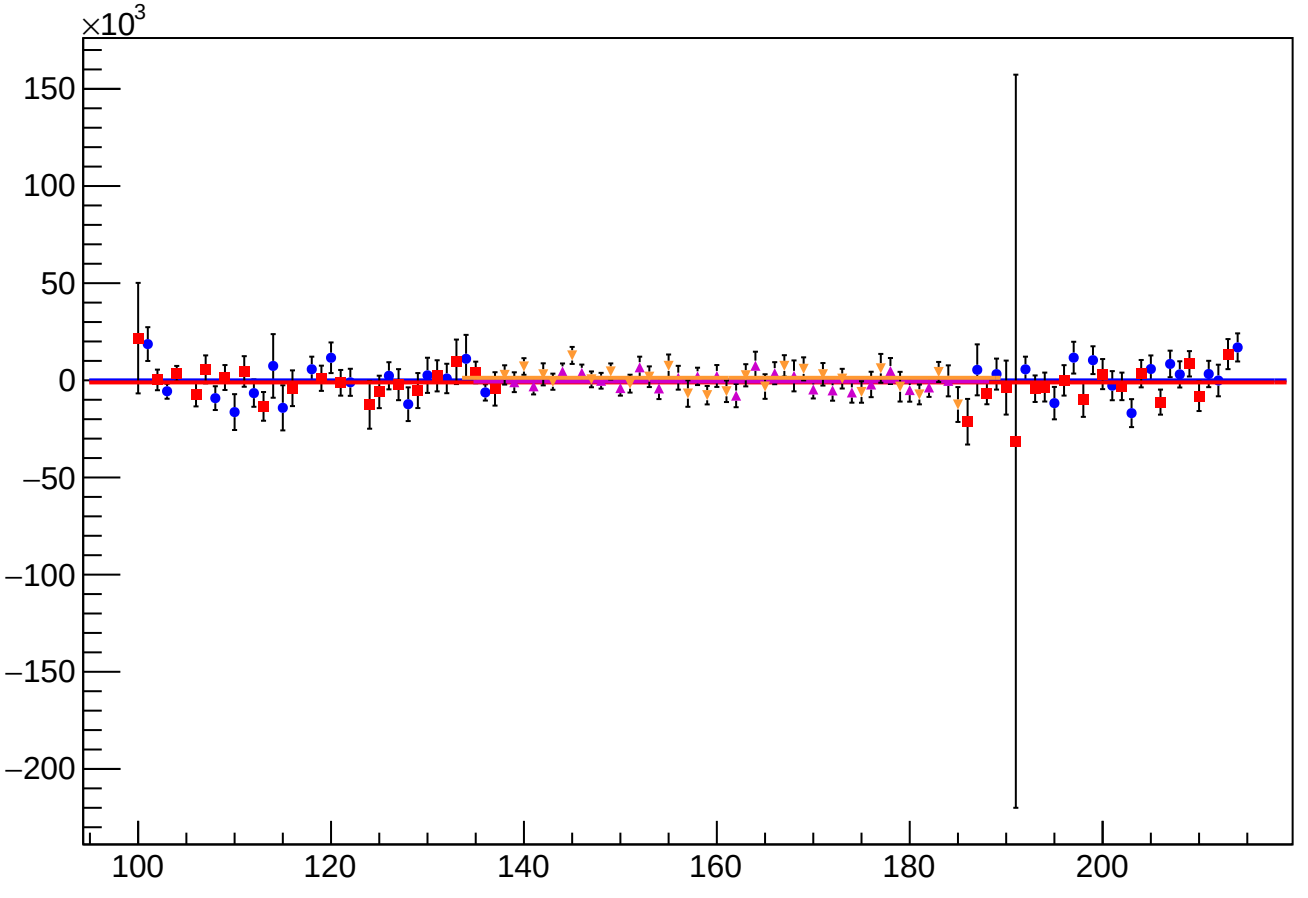
Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

Right: 4675.890+/-0.573 χ^2/NDF: 7636901.6/63

In: 4518.843+/-0.547 χ^2/NDF:4577813.0/52

Out: 4386.264+/-0.523 χ^2/NDF:5709829.7/58

All: 4449.599+/-0.378 χ^2/NDF: 10318336.2/1



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

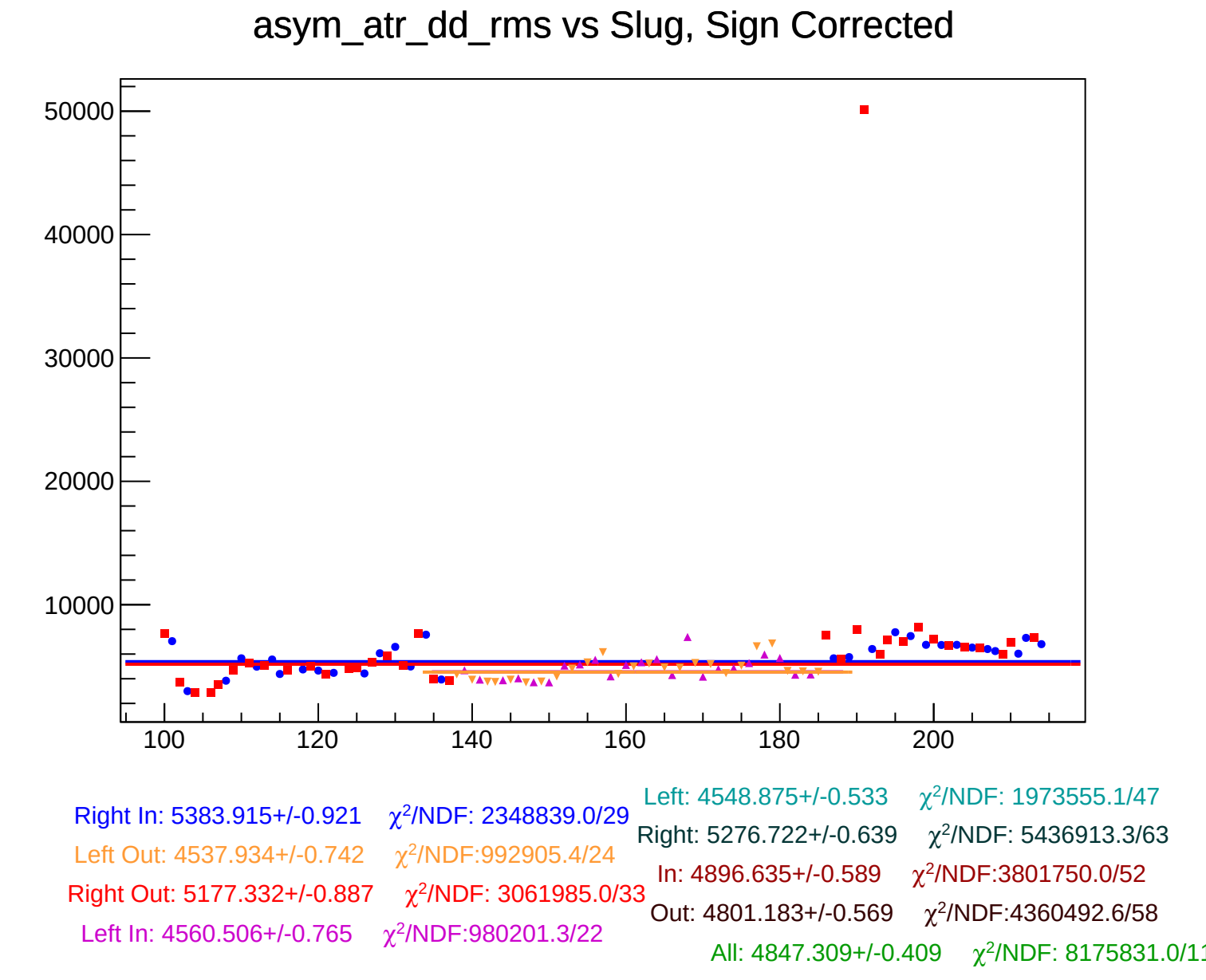
Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

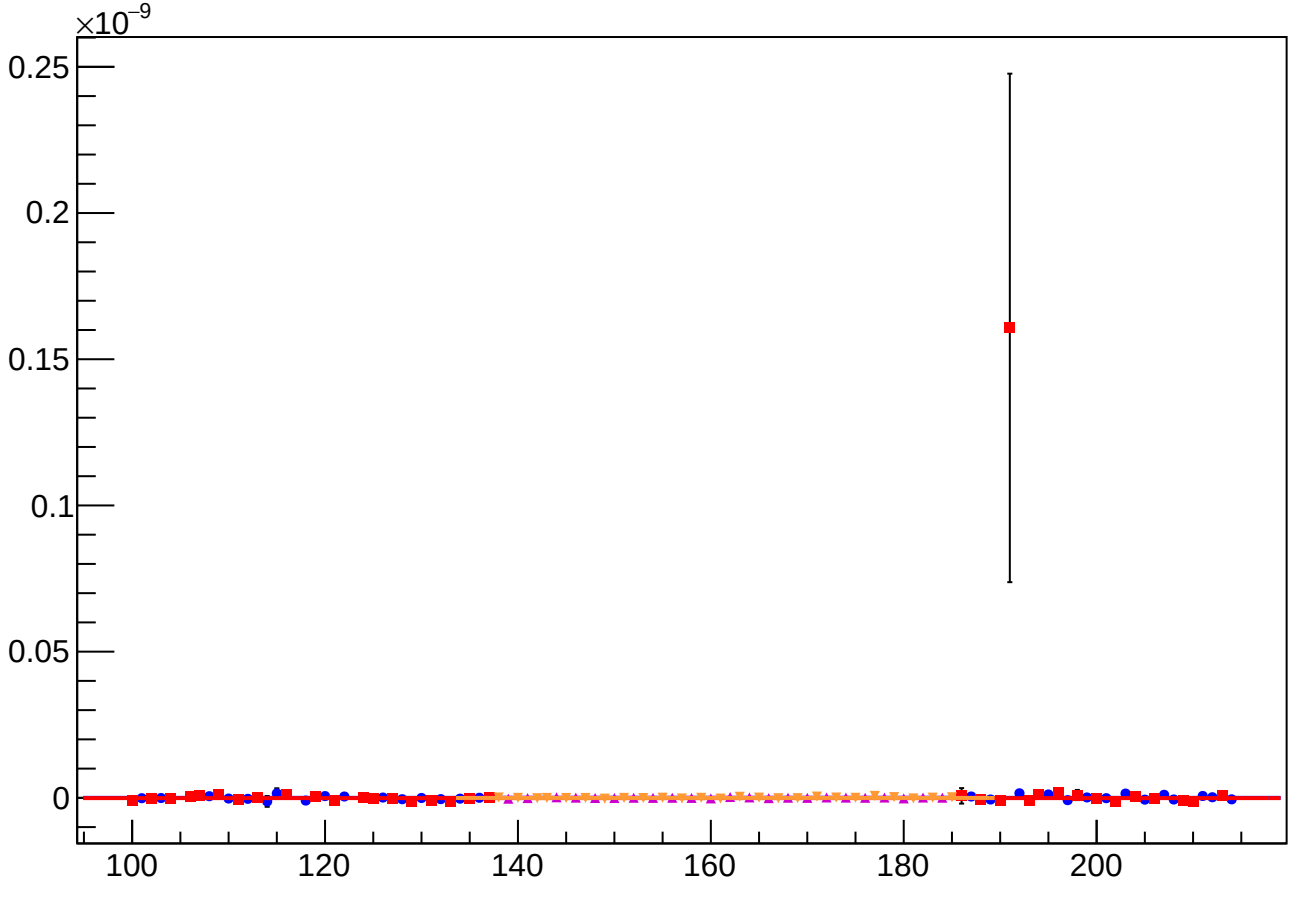
Right: -572.275+/-906.055 χ^2/NDF: 70.2/63

In: -353.854+/-832.453 χ^2/NDF:58.4/52

Out: 325.292+/-806.649 χ^2/NDF:56.6/58

All: -3.592+/-579.295 χ^2/NDF: 115.3/111


asym_atr_dd_rms vs Slug, Sign Corrected
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 5383.915+/-0.921 χ²/NDF: 2348839.0/29
Left Out: 4537.934+/-0.742 χ²/NDF:992905.4/24
Right Out: 5177.332+/-0.887 χ²/NDF: 3061985.0/33
Left In: 4560.506+/-0.765 χ²/NDF:980201.3/22
Left: 4548.875+/-0.533 χ²/NDF: 1973555.1/47
Right: 5276.722+/-0.639 χ²/NDF: 5436913.3/63
In: 4896.635+/-0.589 χ²/NDF:3801750.0/52
Out: 4801.183+/-0.569 χ²/NDF:4360492.6/58
All: 4847.309+/-0.409 χ²/NDF: 8175831.0/11



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

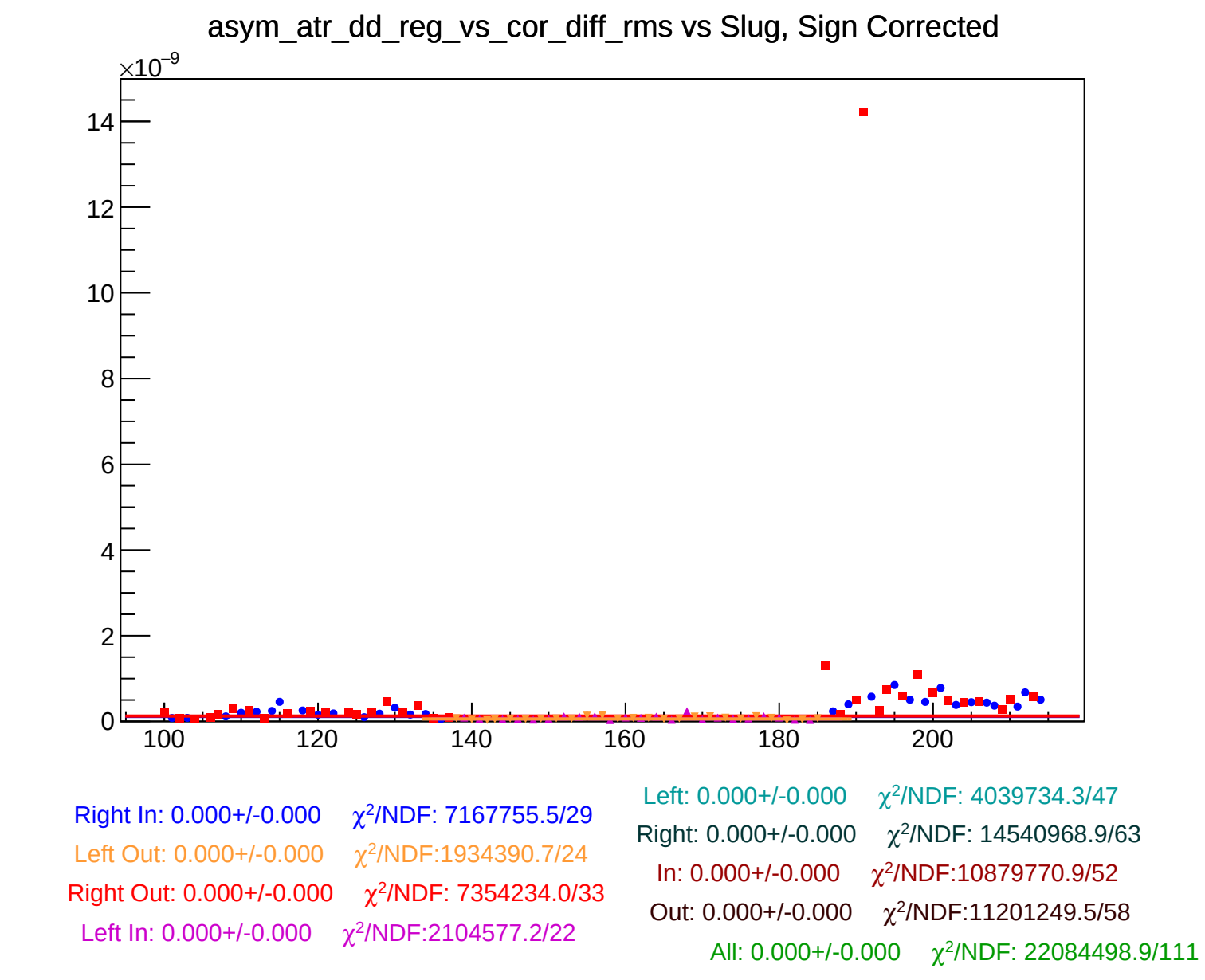
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

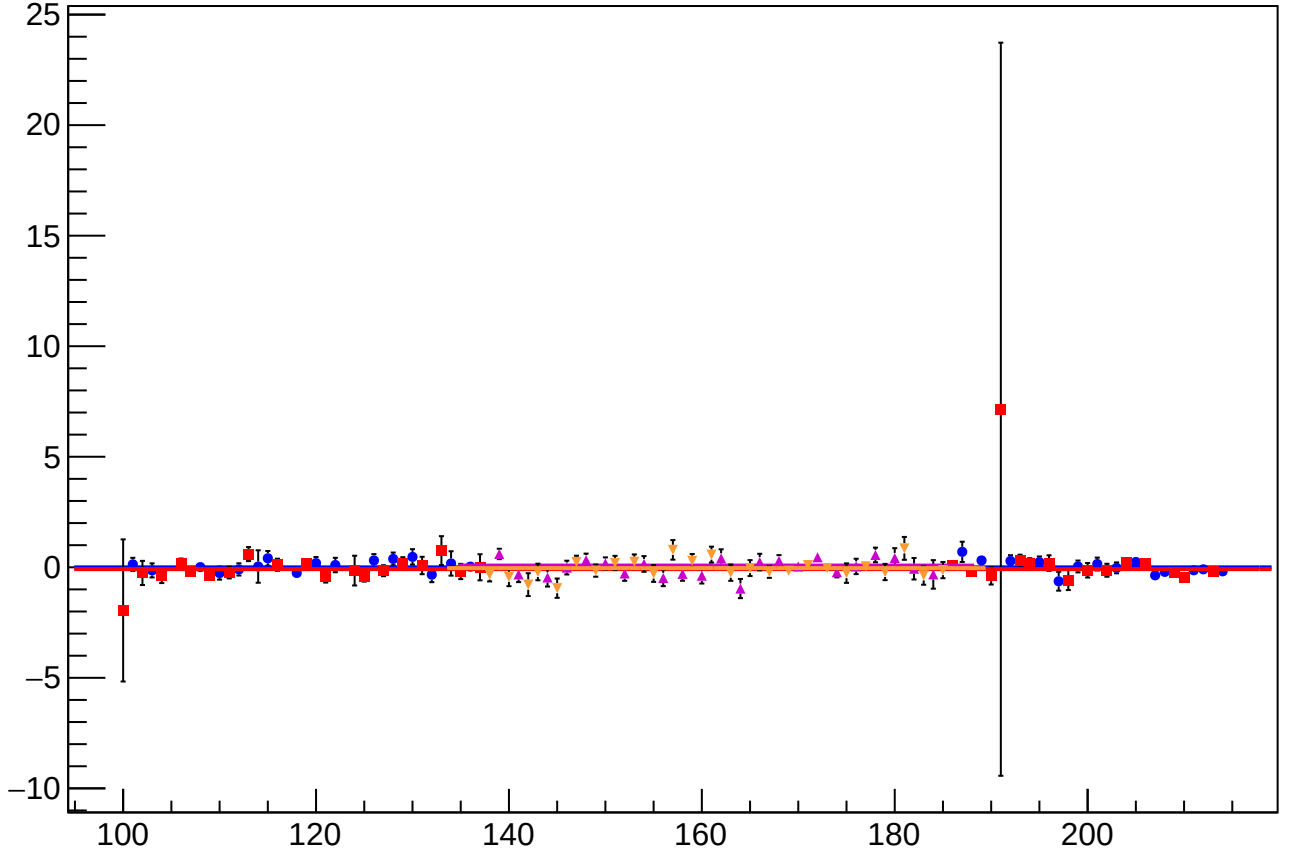
Right: -0.000+/-0.000 χ^2/NDF: 71.6/63

In: 0.000+/-0.000 χ^2/NDF:47.5/52

Out: -0.000+/-0.000 χ^2/NDF:82.4/58

All: -0.000+/-0.000 χ^2/NDF: 132.2/111


asym_atr_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7167755.5/29
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 7354234.0/33
Left In: 0.000+/-0.000 χ²/NDF:2104577.2/22
Left: 0.000+/-0.000 χ²/NDF: 4039734.3/47
Right: 0.000+/-0.000 χ²/NDF: 14540968.9/63
In: 0.000+/-0.000 χ²/NDF:10879770.9/52
Out: 0.000+/-0.000 χ²/NDF:11201249.5/58
All: 0.000+/-0.000 χ²/NDF: 22084498.9/111



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

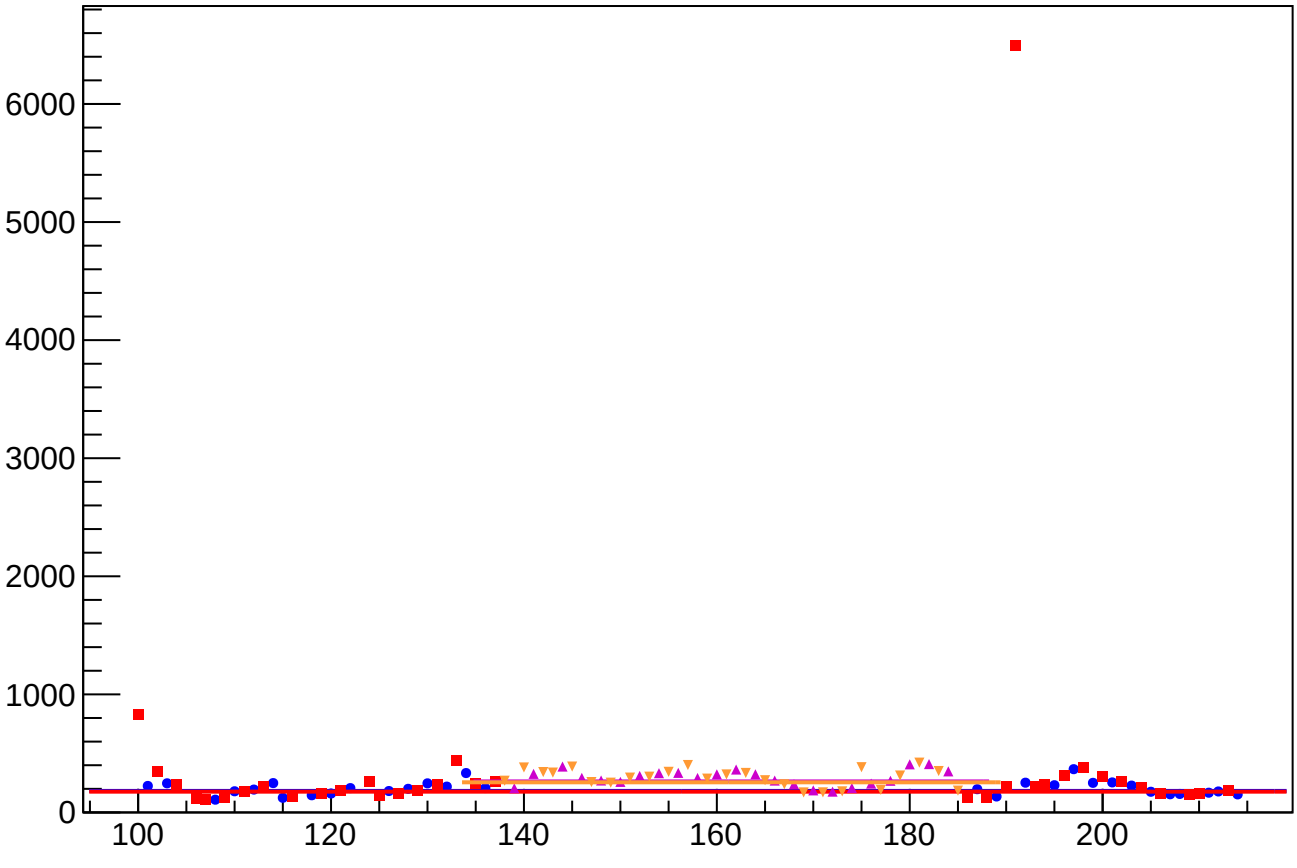
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.045+/-0.031 χ^2/NDF: 64.7/63

In: 0.023+/-0.037 χ^2/NDF:61.9/52

Out: -0.069+/-0.036 χ^2/NDF:58.1/58

All: -0.024+/-0.026 χ^2/NDF: 123.2/111



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

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

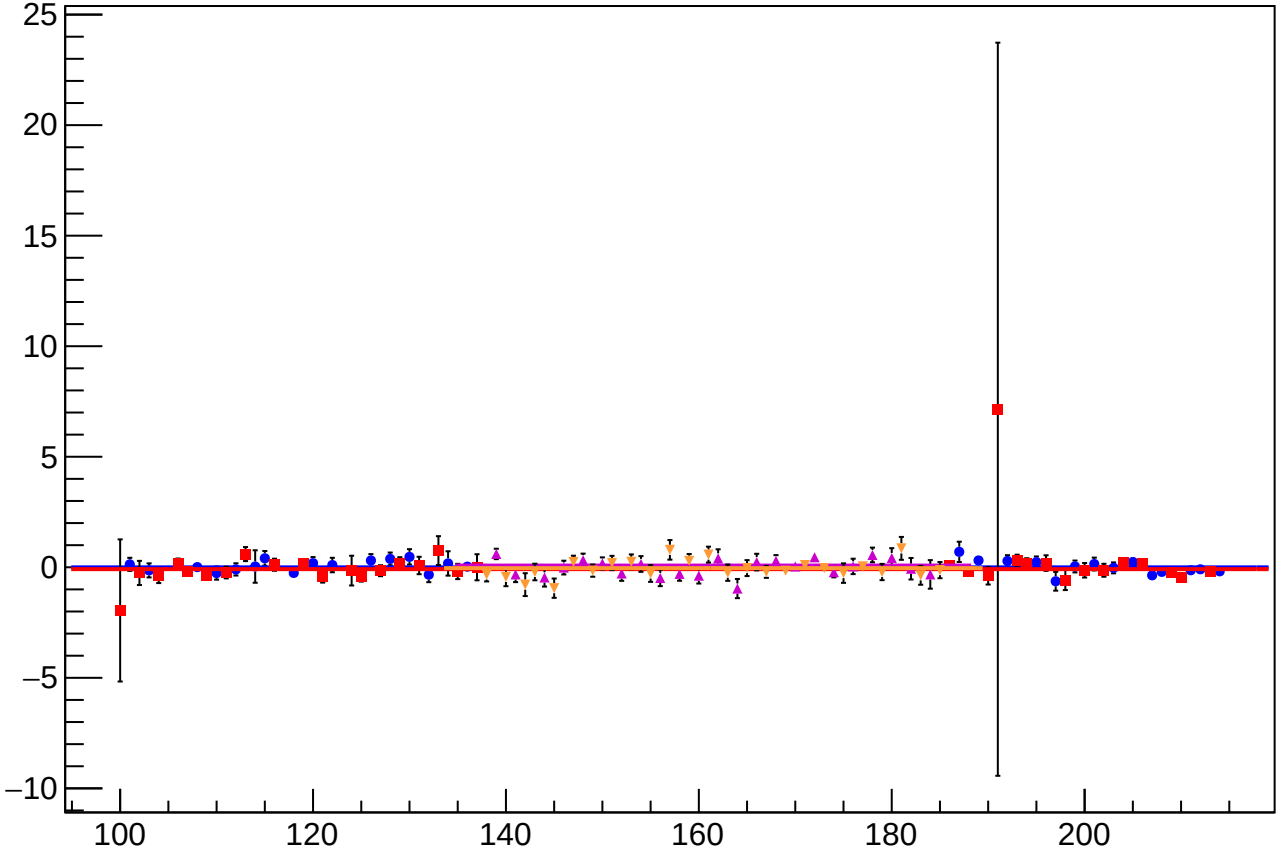
Right: 179.165+/-0.022 χ^2/NDF: 5744386.1/63

In: 208.427+/-0.026 χ^2/NDF:6232558.3/52

Out: 202.797+/-0.025 χ^2/NDF:8703292.0/58

All: 205.530+/-0.018 χ^2/NDF: 14959717.8/11

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

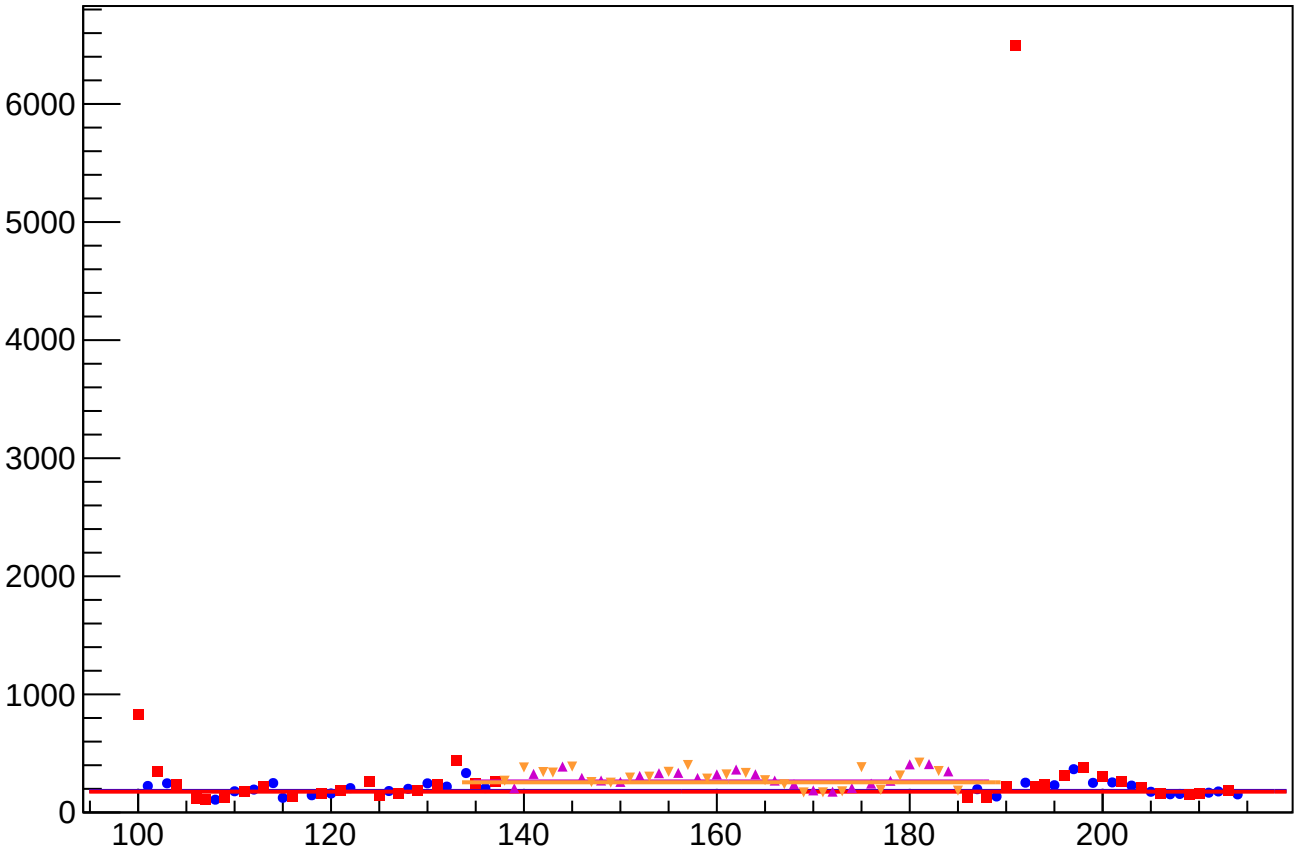
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.045+/-0.031 χ^2/NDF: 64.7/63

In: 0.023+/-0.037 χ^2/NDF:61.9/52

Out: -0.069+/-0.036 χ^2/NDF:58.1/58

All: -0.024+/-0.026 χ^2/NDF: 123.2/111



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

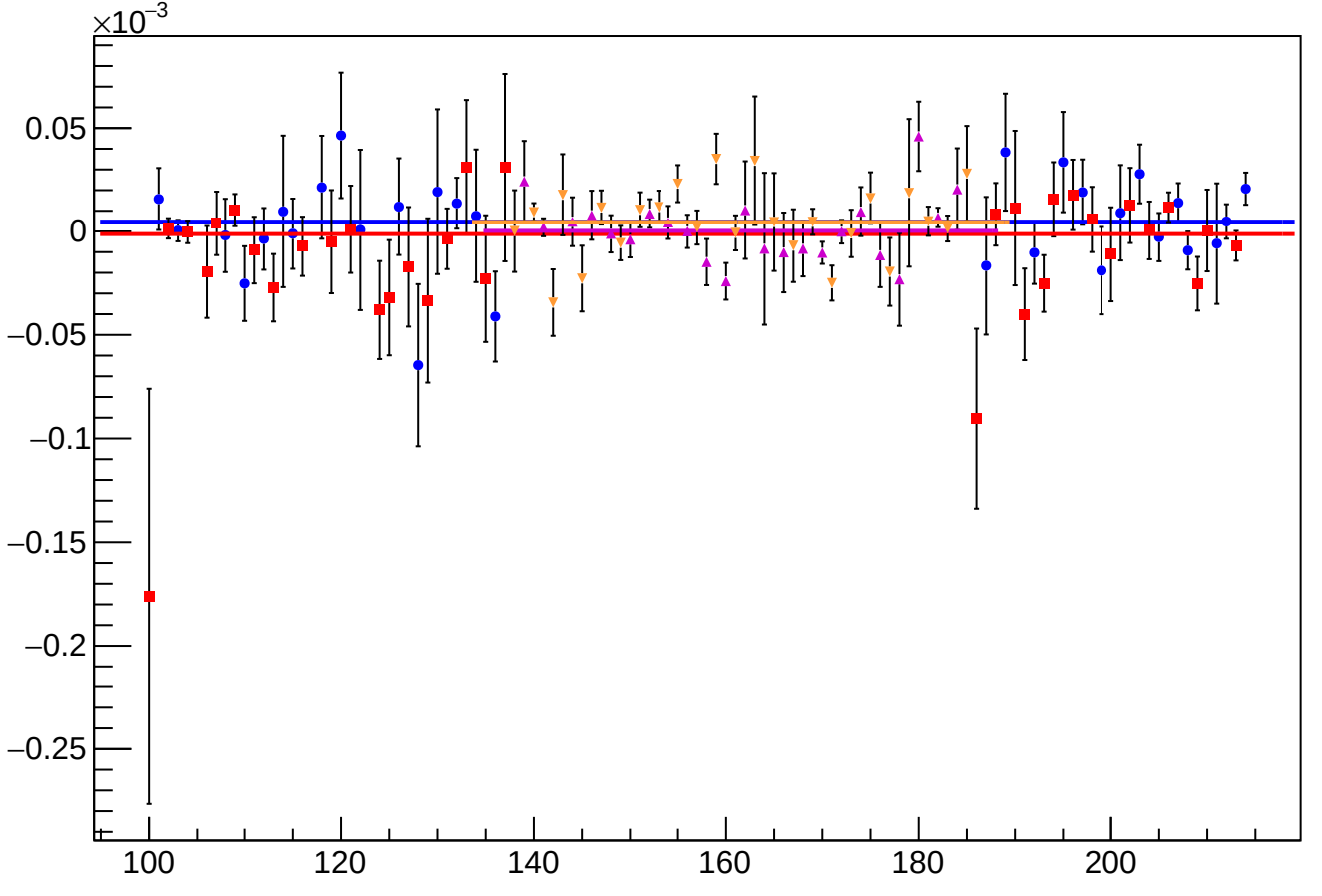
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 179.165+/-0.022 χ^2/NDF: 5744386.1/63

In: 208.427+/-0.026 χ^2/NDF:6232558.3/52

Out: 202.797+/-0.025 χ^2/NDF:8703292.0/58

All: 205.530+/-0.018 χ^2/NDF: 14959717.8/11



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

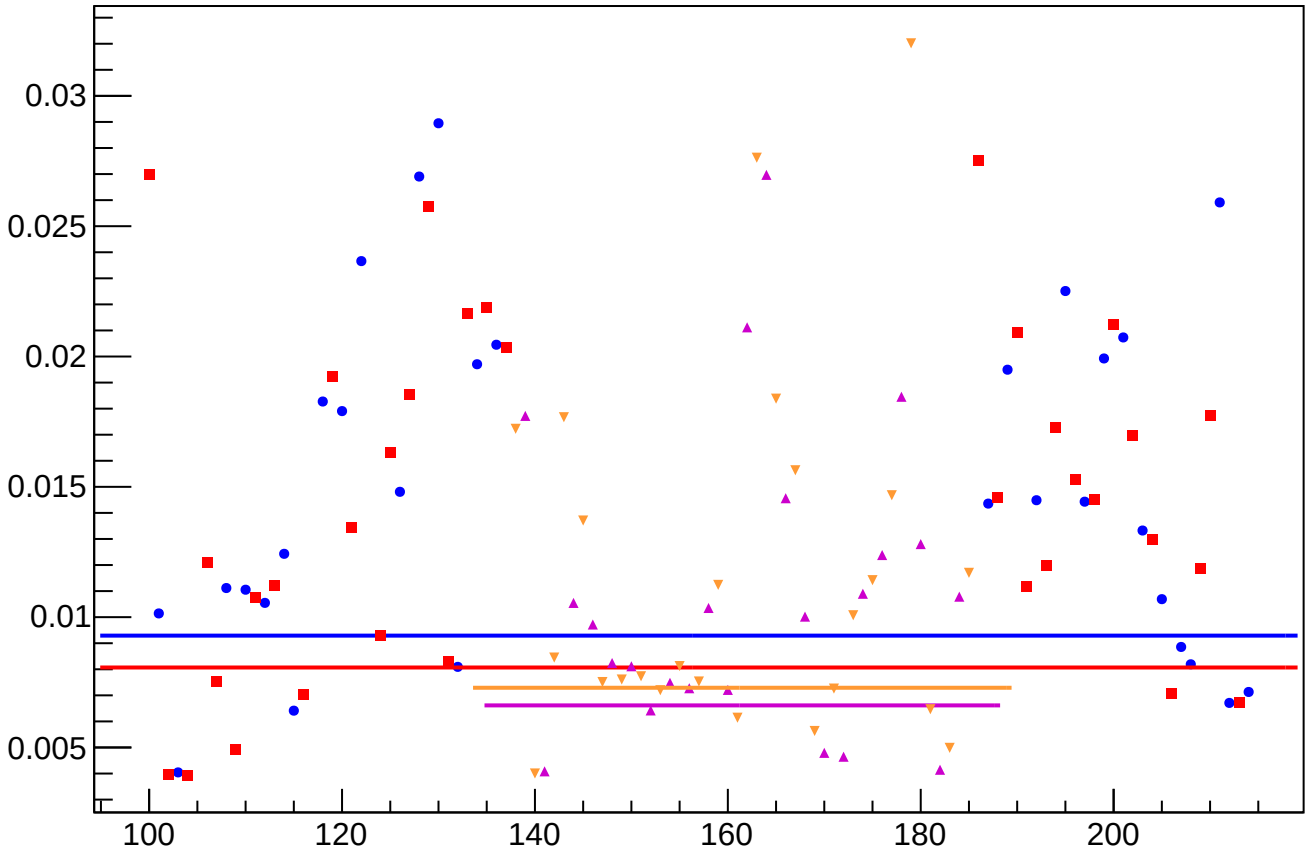
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: 0.000+/-0.000 χ^2/NDF: 72.7/63

In: 0.000+/-0.000 χ^2/NDF:65.6/52

Out: 0.000+/-0.000 χ^2/NDF:84.7/58

All: 0.000+/-0.000 χ^2/NDF: 150.3/111



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

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

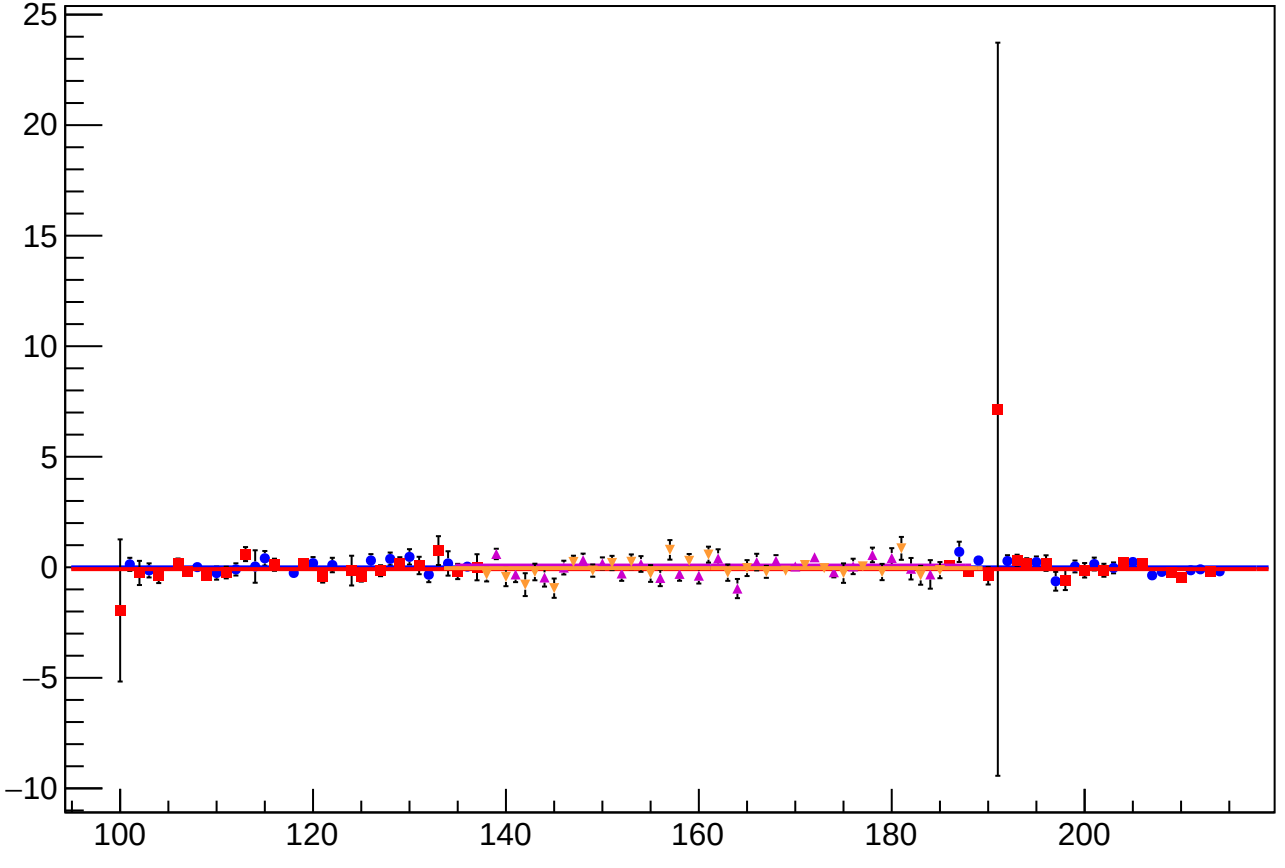
Right: 0.009+/-0.000 χ^2/NDF: 18478862.2/63

In: 0.008+/-0.000 χ^2/NDF:16096457.9/52

Out: 0.008+/-0.000 χ^2/NDF:16931897.0/58

All: 0.008+/-0.000 χ^2/NDF: 33033837.3/111

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

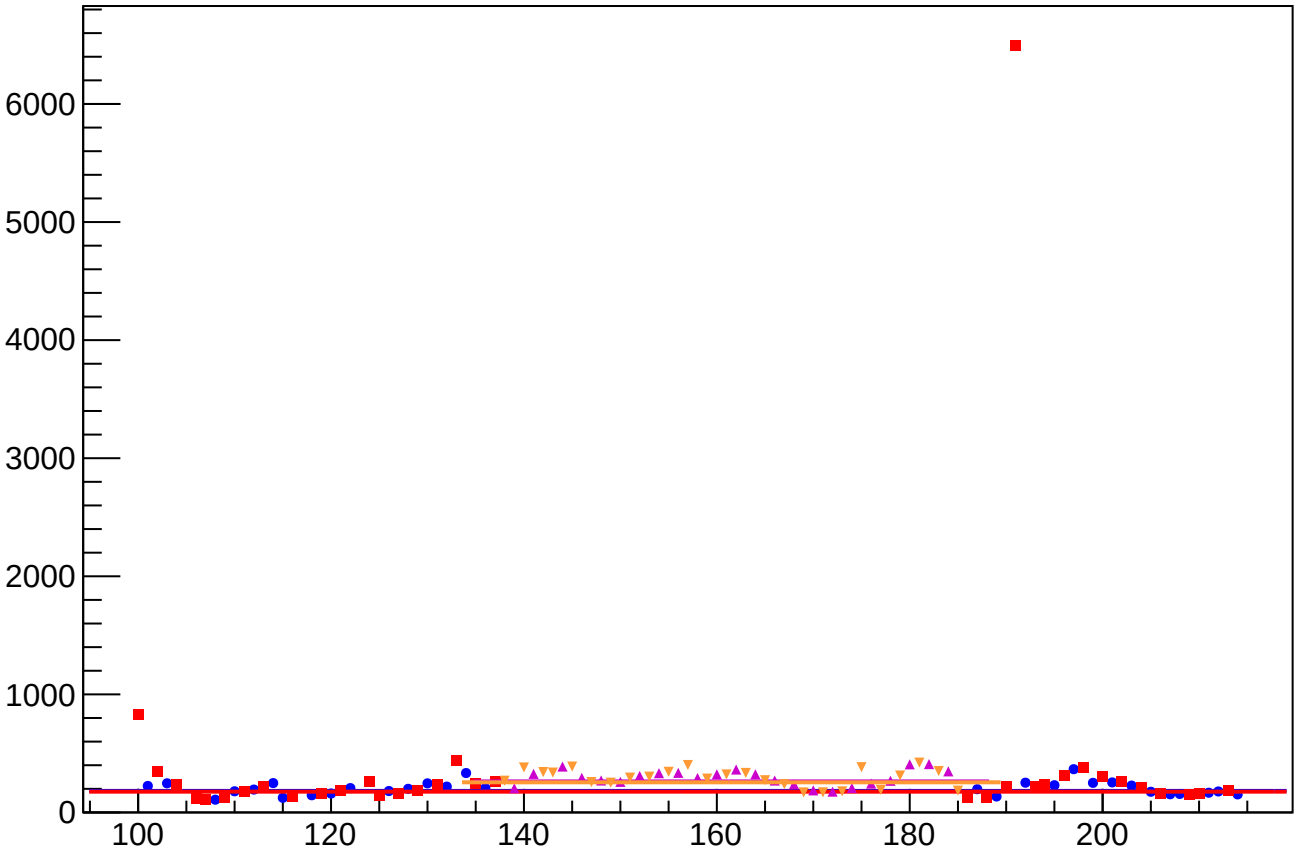
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.045+/-0.031 χ^2/NDF: 64.7/63

In: 0.023+/-0.037 χ^2/NDF:61.9/52

Out: -0.069+/-0.036 χ^2/NDF:58.1/58

All: -0.024+/-0.026 χ^2/NDF: 123.2/111



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

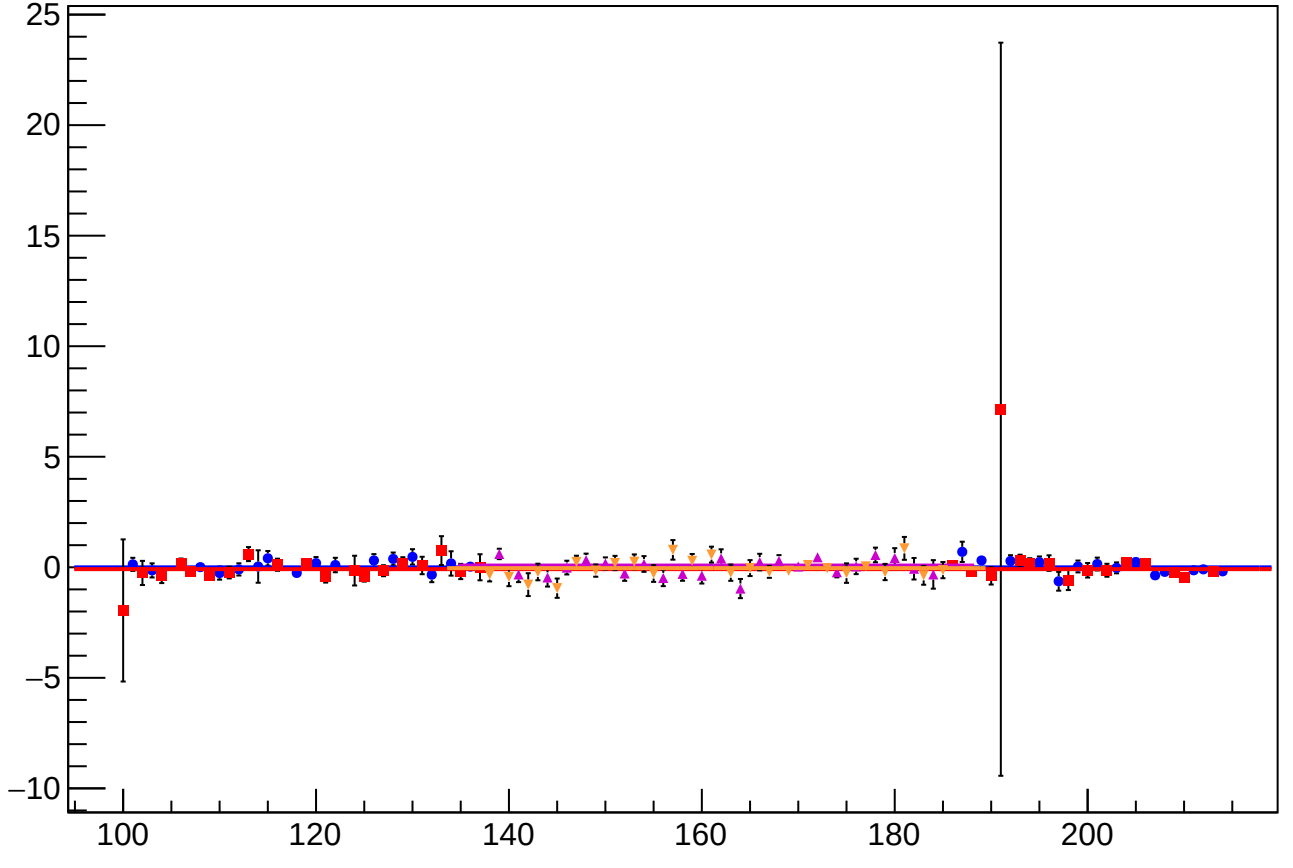
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 179.165+/-0.022 χ^2/NDF: 5744350.4/63

In: 208.428+/-0.026 χ^2/NDF:6232695.2/52

Out: 202.798+/-0.025 χ^2/NDF:8703376.7/58

All: 205.531+/-0.018 χ^2/NDF: 14959934.3/11



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

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

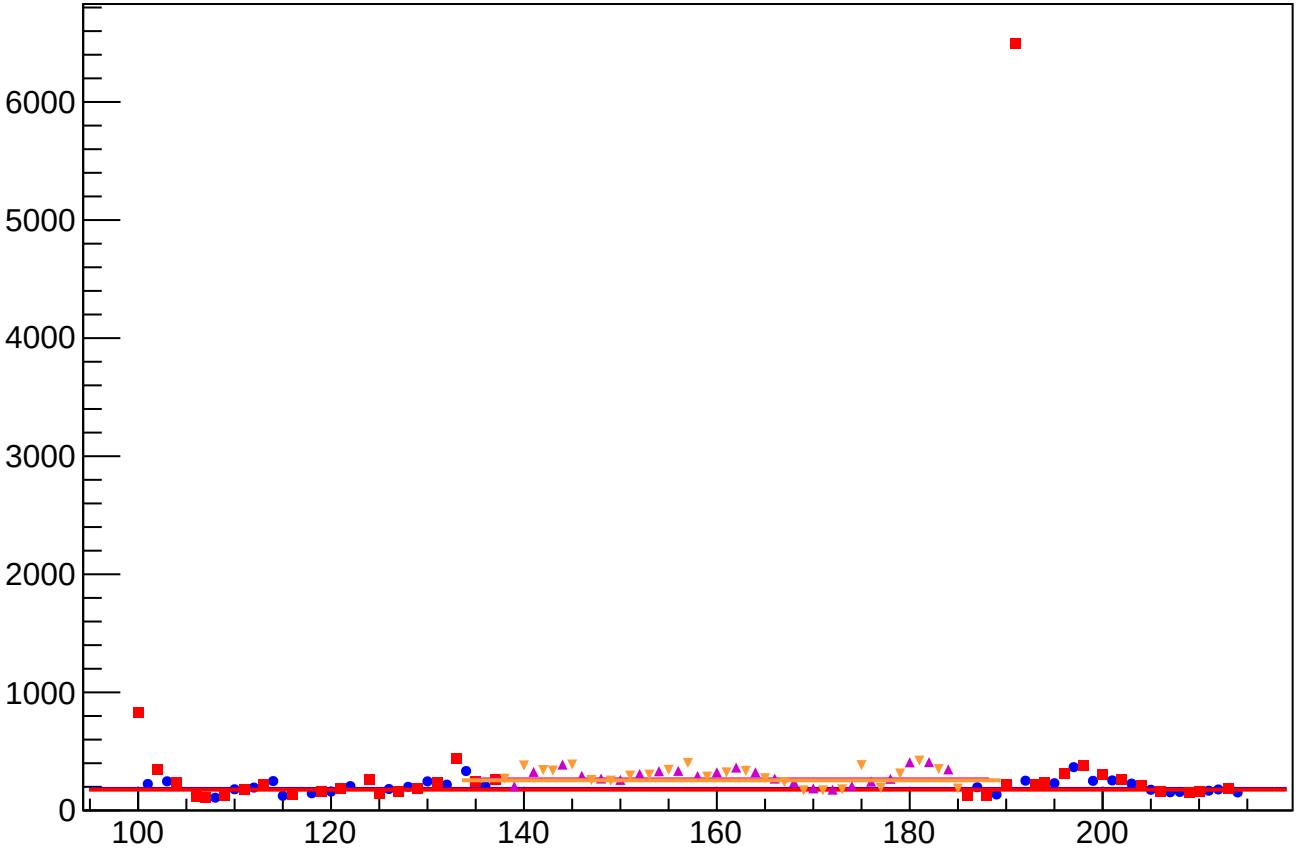
Right: -0.045+/-0.031 χ^2/NDF: 64.7/63

In: 0.023+/-0.037 χ^2/NDF:61.9/52

Out: -0.069+/-0.036 χ^2/NDF:58.1/58

All: -0.024+/-0.026 χ^2/NDF: 123.2/111

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

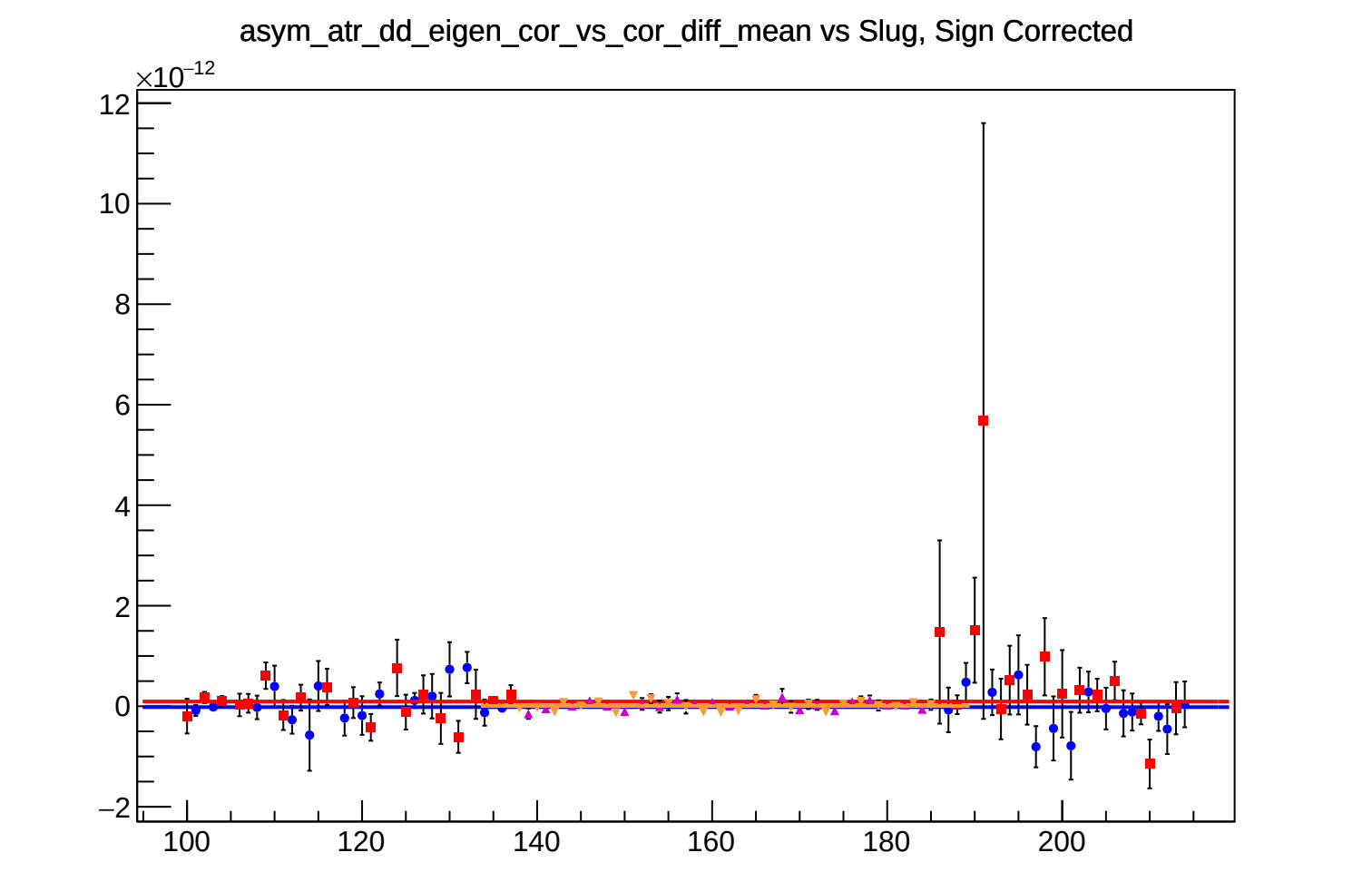
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 179.165+/-0.022 χ^2/NDF: 5744350.4/63

In: 208.428+/-0.026 χ^2/NDF:6232695.2/52

Out: 202.798+/-0.025 χ^2/NDF:8703376.7/58

All: 205.531+/-0.018 χ^2/NDF: 14959934.3/11



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

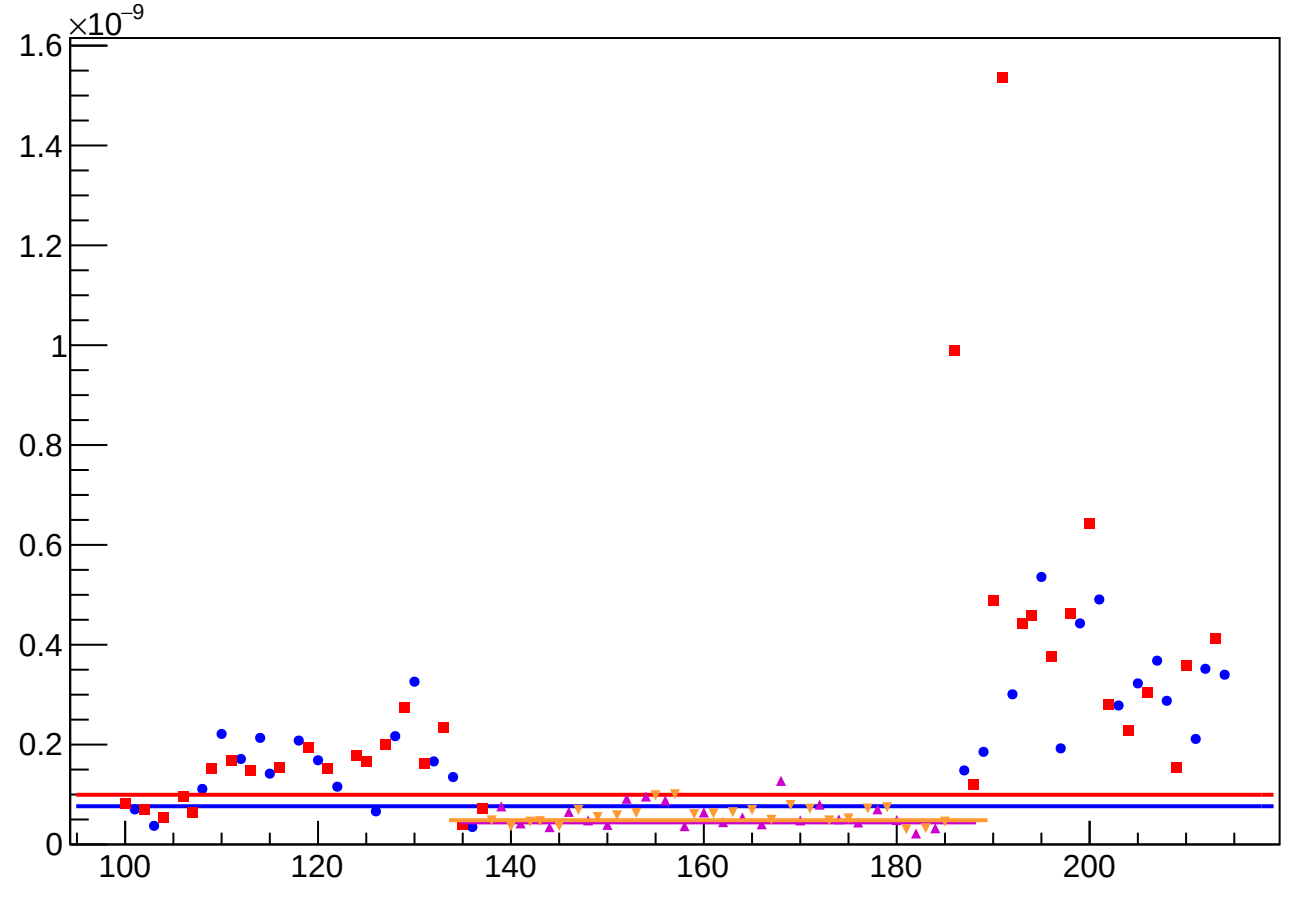
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 62.9/63

In: 0.000+/-0.000 χ^2/NDF:46.9/52

Out: 0.000+/-0.000 χ^2/NDF:68.1/58

All: 0.000+/-0.000 χ^2/NDF: 115.4/111



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

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

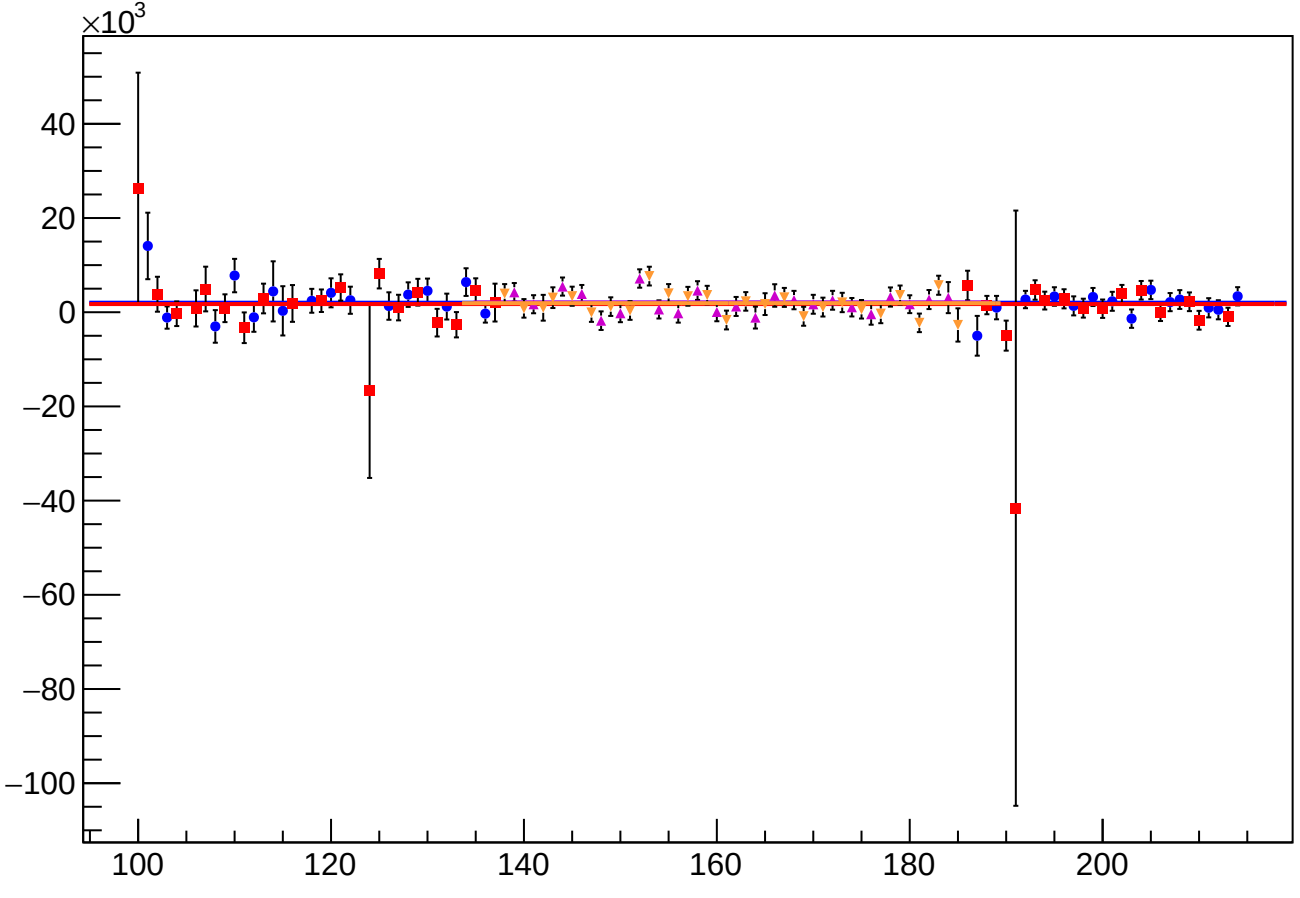
Right: 0.000+/-0.000 χ^2/NDF: 21232009.4/63

In: 0.000+/-0.000 χ^2/NDF:16414540.8/52

Out: 0.000+/-0.000 χ^2/NDF:15117509.6/58

All: 0.000+/-0.000 χ^2/NDF: 31719032.3/111

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

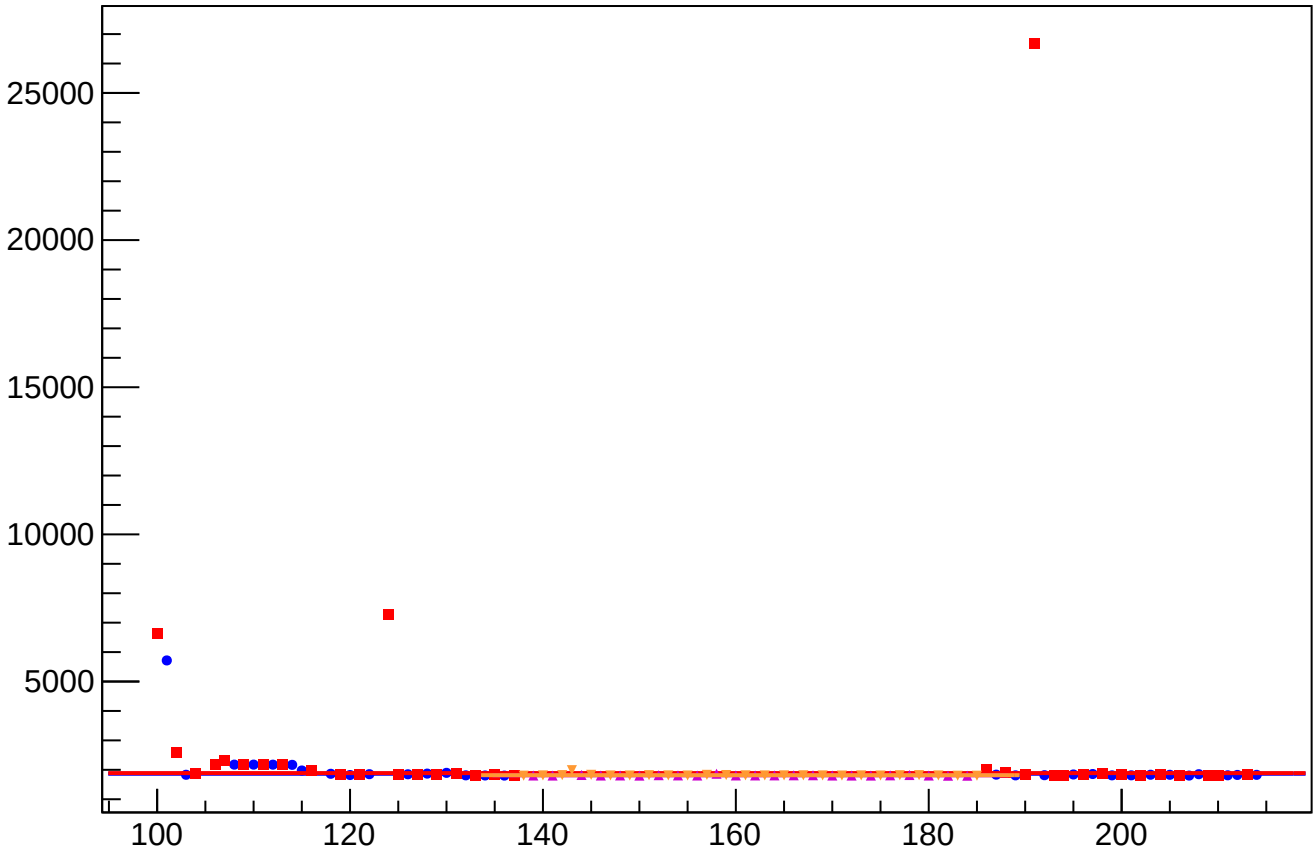
Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

Right: 1877.236+/-310.814 χ^2/NDF: 64.6/63

In: 2049.669+/-304.923 χ^2/NDF:53.4/52

Out: 1831.938+/-300.899 χ^2/NDF:70.1/58

All: 1939.357+/-214.176 χ^2/NDF: 123.8/111



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

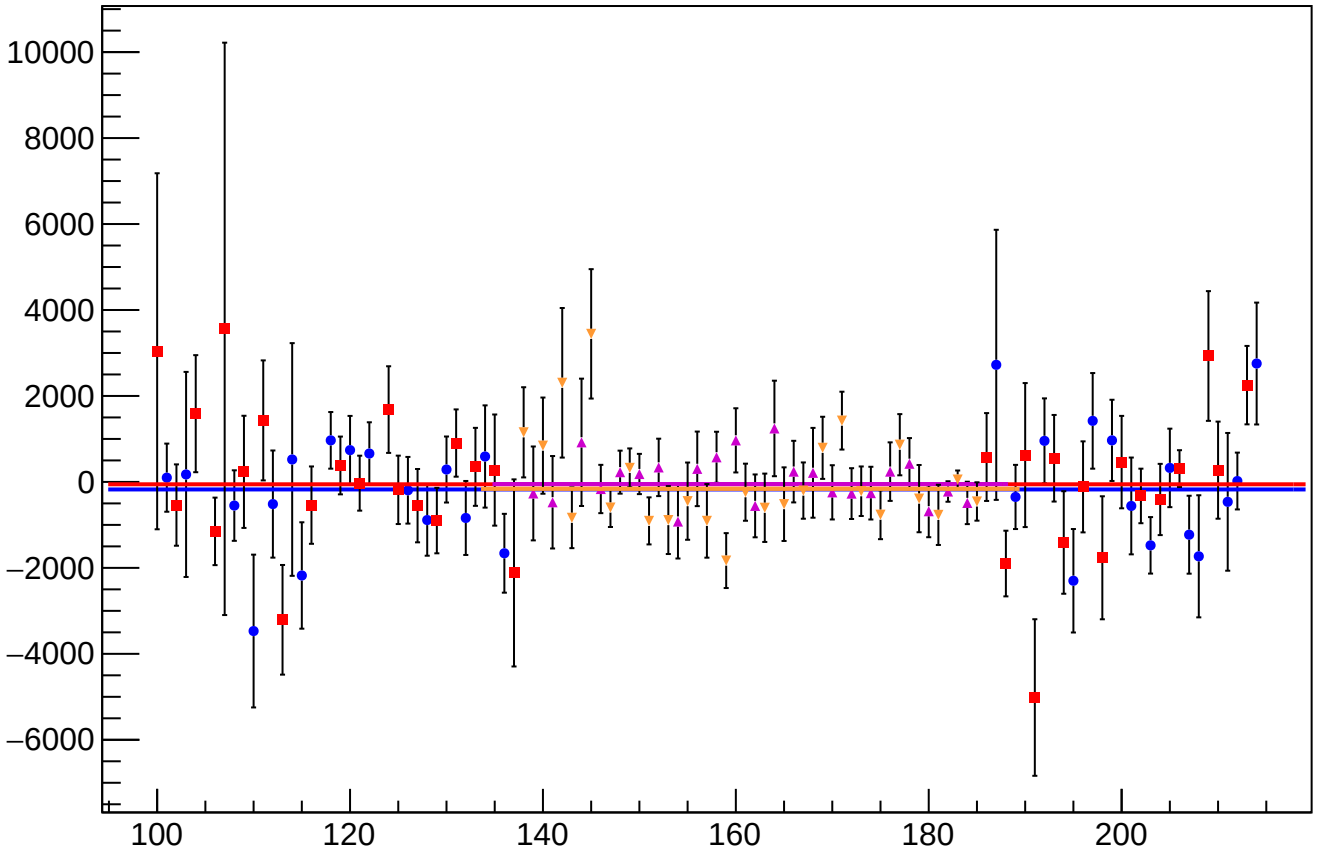
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1876.956+/-0.220 χ^2/NDF: 1412705.1/63

In: 1838.205+/-0.216 χ^2/NDF:686147.5/52

Out: 1850.570+/-0.213 χ^2/NDF:781607.1/58

All: 1844.469+/-0.151 χ^2/NDF: 1469420.8/11



Right In: -175.414+/-172.612 χ^2/NDF: 37.0/29

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -55.412+/-159.369 χ^2/NDF: 48.4/33

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

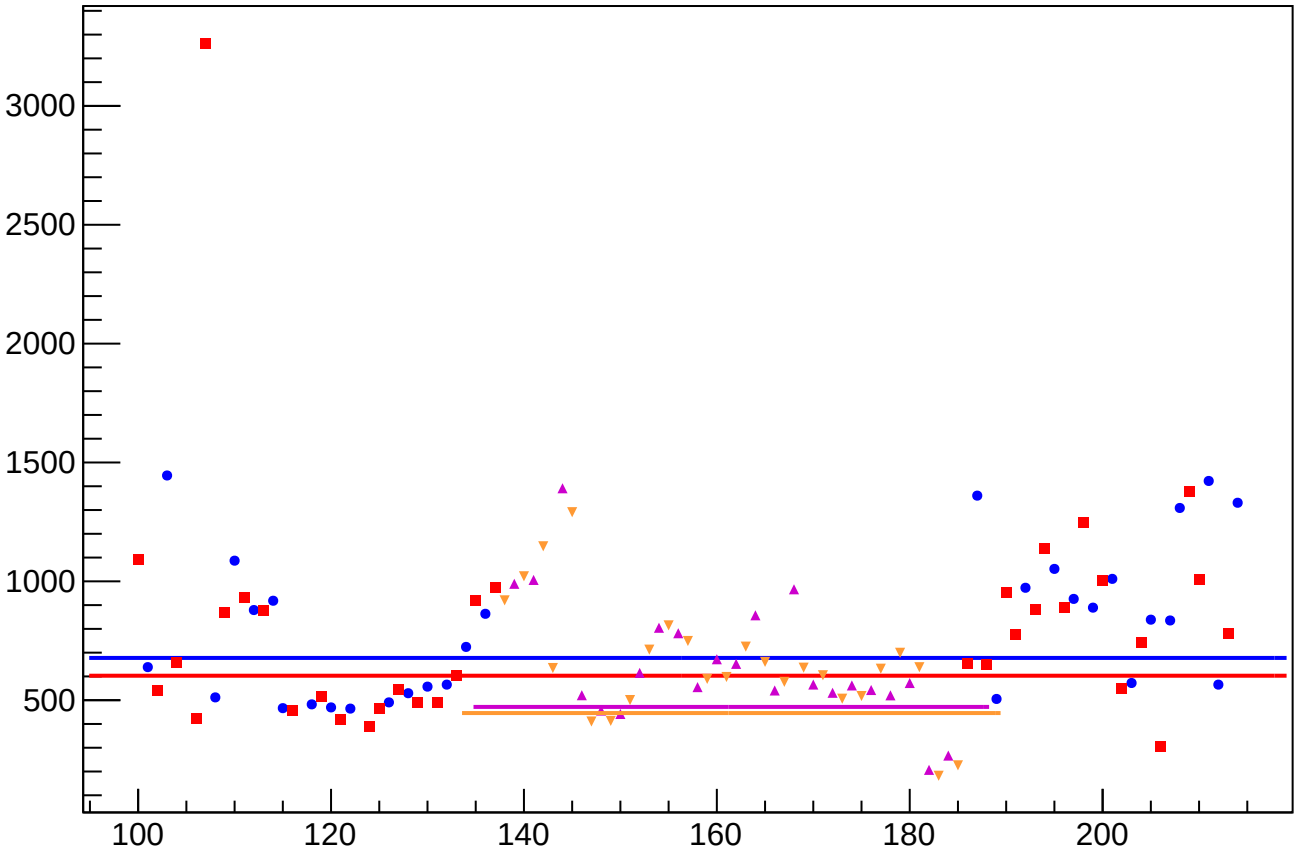
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -110.633+/-117.093 χ^2/NDF: 85.7/63

In: -91.623+/-100.003 χ^2/NDF:48.7/52

Out: -126.034+/-93.413 χ^2/NDF:85.5/58

All: -109.999+/-68.264 χ^2/NDF: 134.3/111



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

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

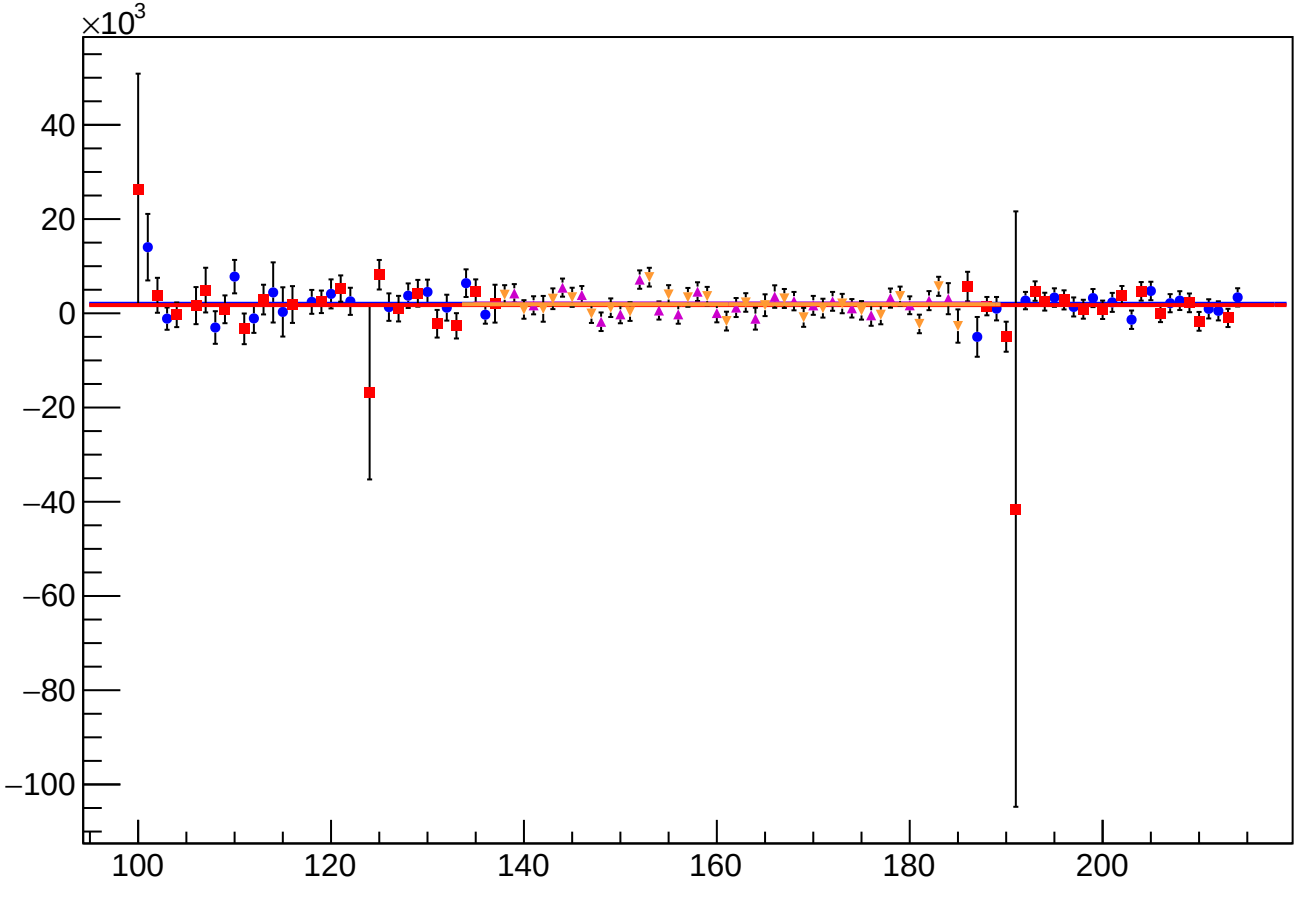
Right: 637.418+/-0.083 χ^2/NDF: 8804416.8/63

In: 540.915+/-0.071 χ^2/NDF:12096778.9/52

Out: 499.861+/-0.066 χ^2/NDF:14070333.2/58

All: 518.991+/-0.048 χ^2/NDF: 26347116.3/1

cor_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

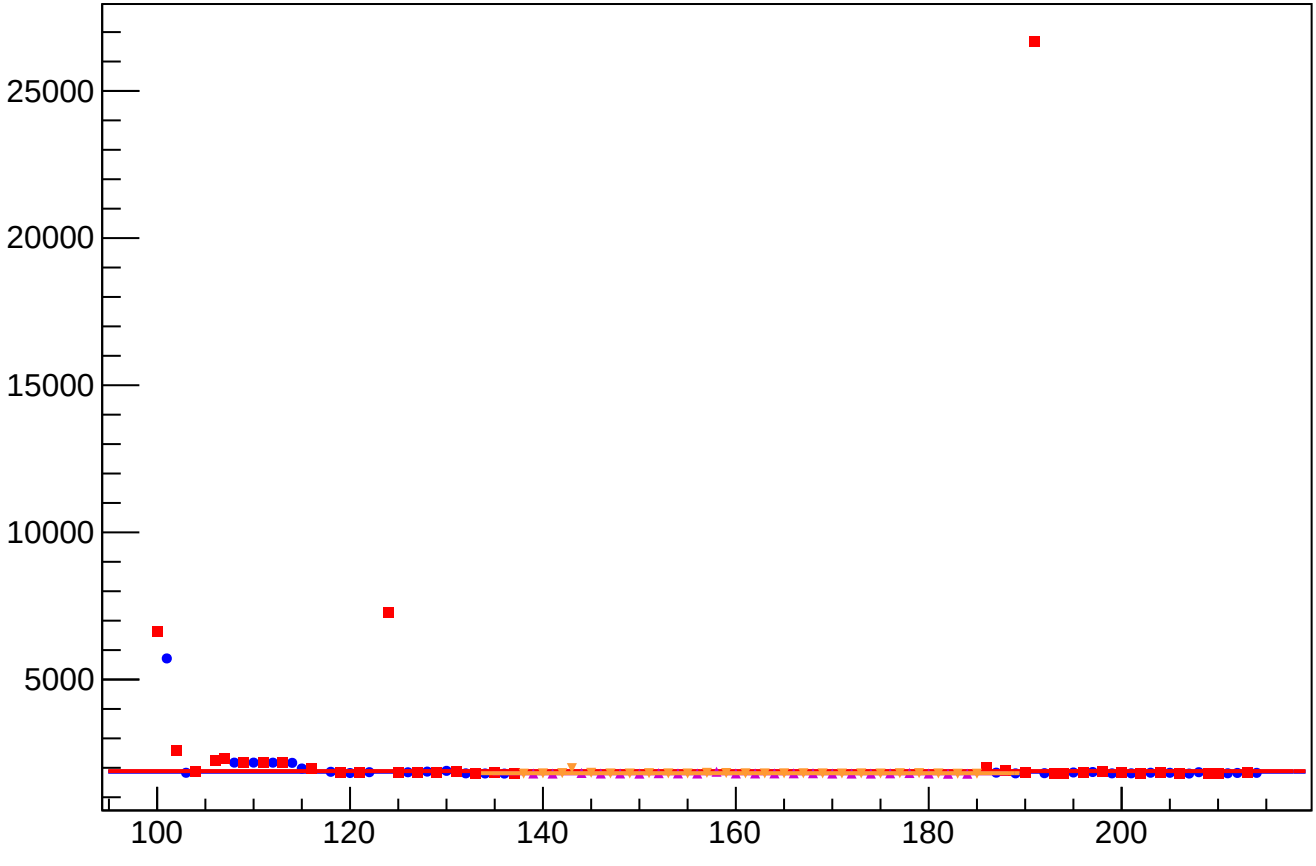
Right: 1882.696+/-310.862 χ^2/NDF: 64.5/63

In: 2049.672+/-304.923 χ^2/NDF:53.4/52

Out: 1837.070+/-300.943 χ^2/NDF:70.0/58

All: 1941.975+/-214.192 χ^2/NDF: 123.7/111

cor_asym_at1_avg_rms vs Slug, Sign Corrected



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

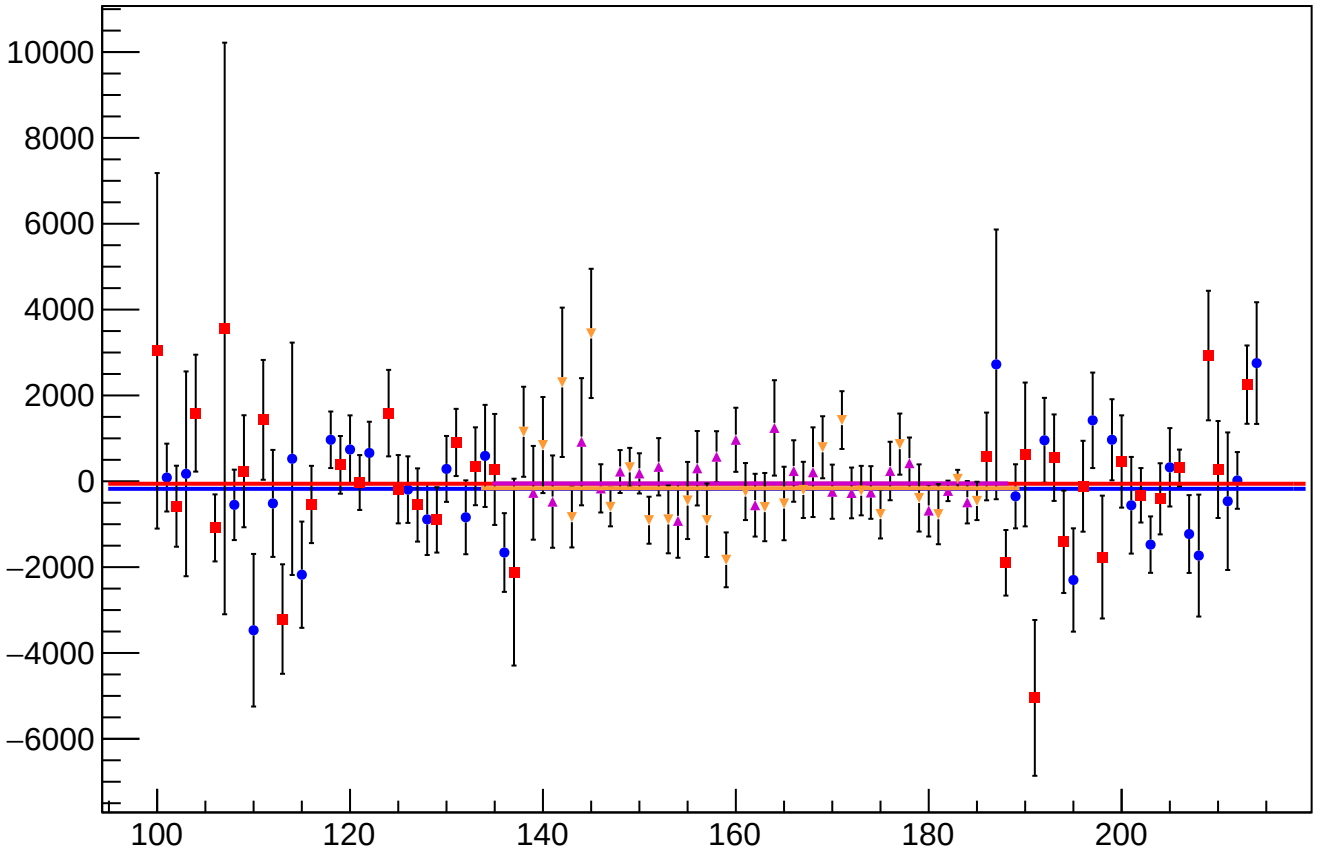
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1877.174+/-0.220 χ^2/NDF: 1416528.3/63

In: 1838.205+/-0.216 χ^2/NDF:686147.4/52

Out: 1850.766+/-0.213 χ^2/NDF:785663.8/58

All: 1844.568+/-0.151 χ^2/NDF: 1473530.6/11



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

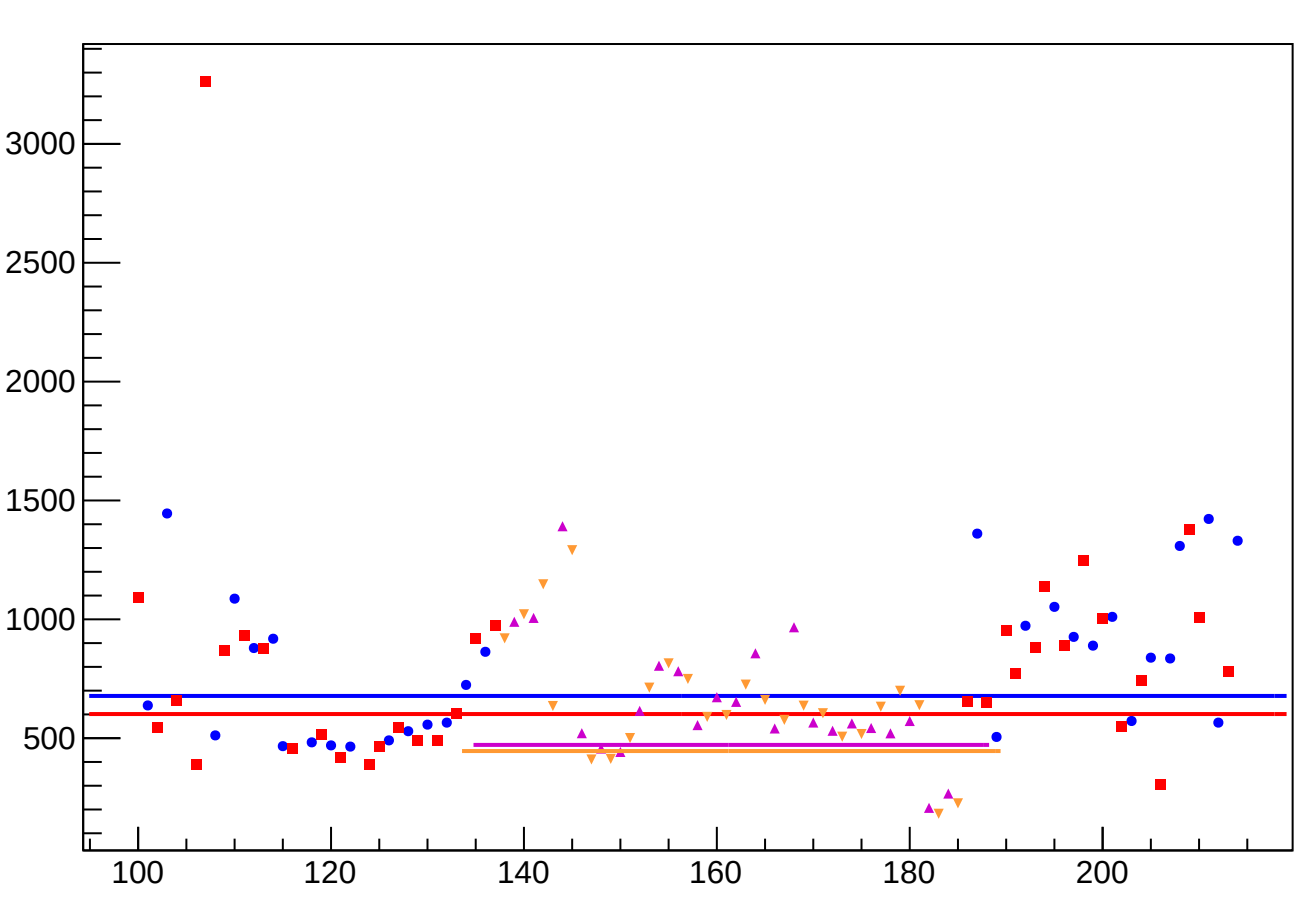
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -111.802+/-117.064 χ^2/NDF: 85.3/63

In: -91.804+/-100.000 χ^2/NDF:48.7/52

Out: -126.576+/-93.400 χ^2/NDF:85.2/58

All: -110.375+/-68.258 χ^2/NDF: 134.0/111



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

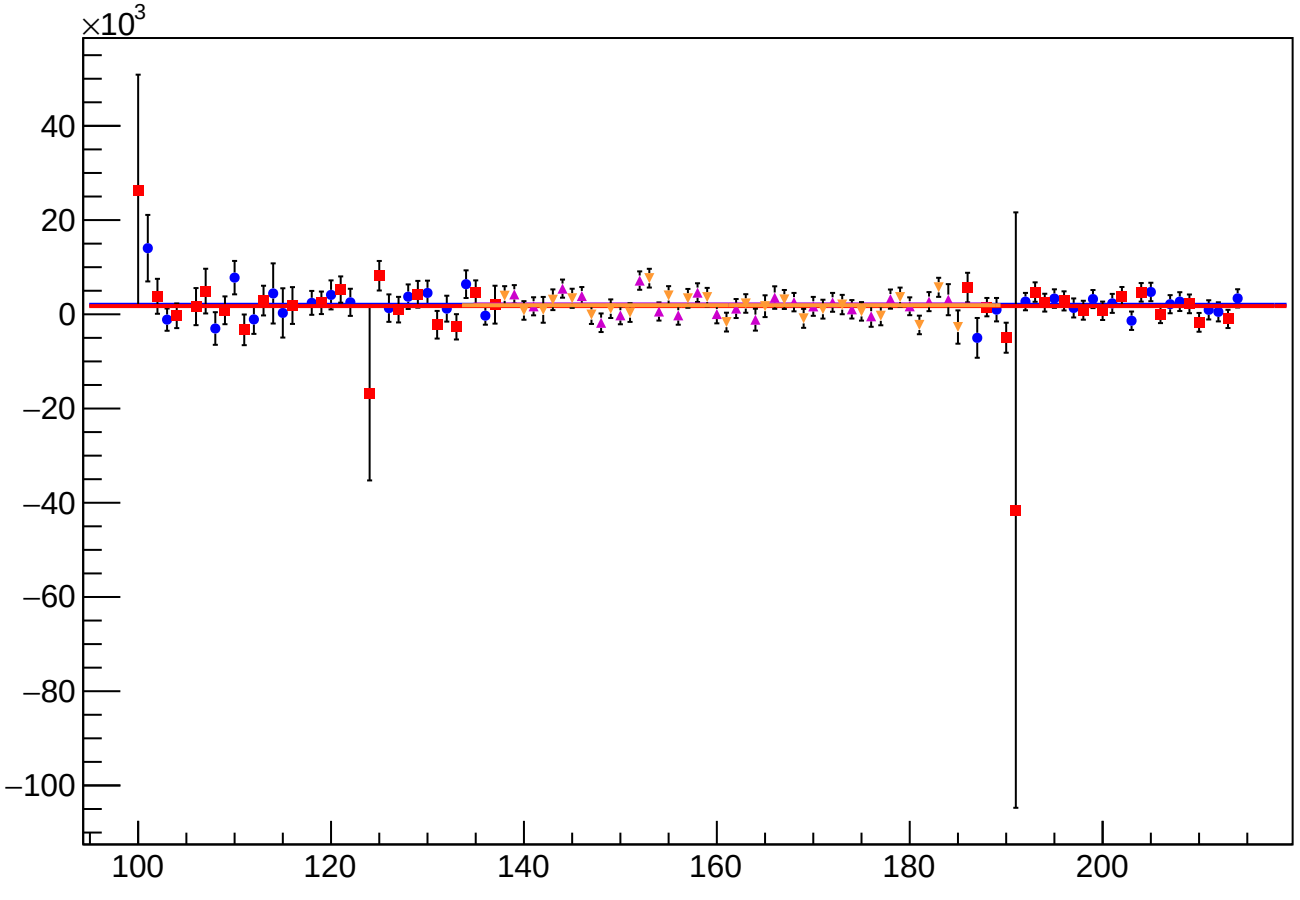
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 636.620+/-0.083 χ^2/NDF: 8856067.8/63

In: 540.910+/-0.071 χ^2/NDF:12095708.4/52

Out: 499.386+/-0.066 χ^2/NDF:14094004.0/58

All: 518.733+/-0.048 χ^2/NDF: 26373896.7/11



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

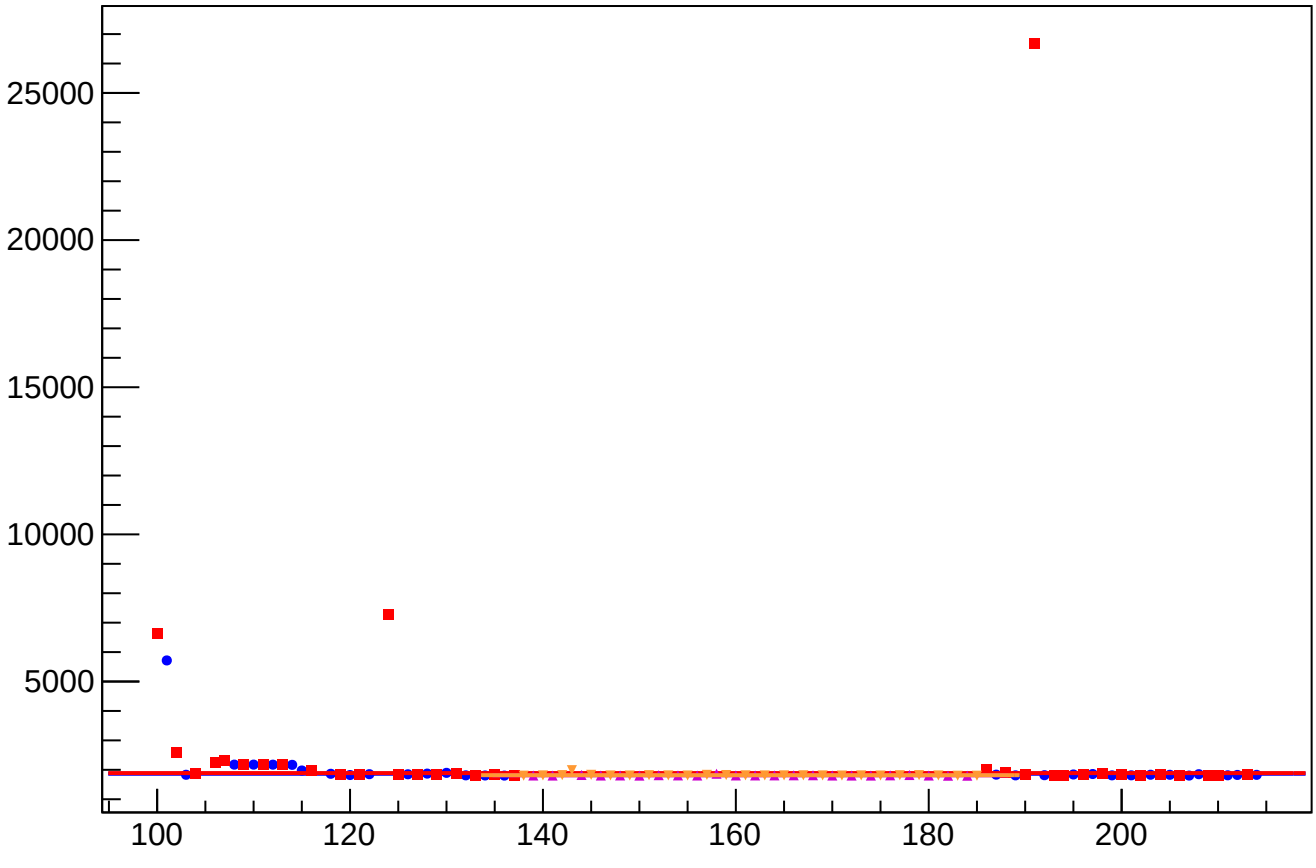
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1882.696+/-310.862 χ^2/NDF: 64.5/63

In: 2049.672+/-304.923 χ^2/NDF:53.4/52

Out: 1837.070+/-300.943 χ^2/NDF:70.0/58

All: 1941.975+/-214.192 χ^2/NDF: 123.7/111



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

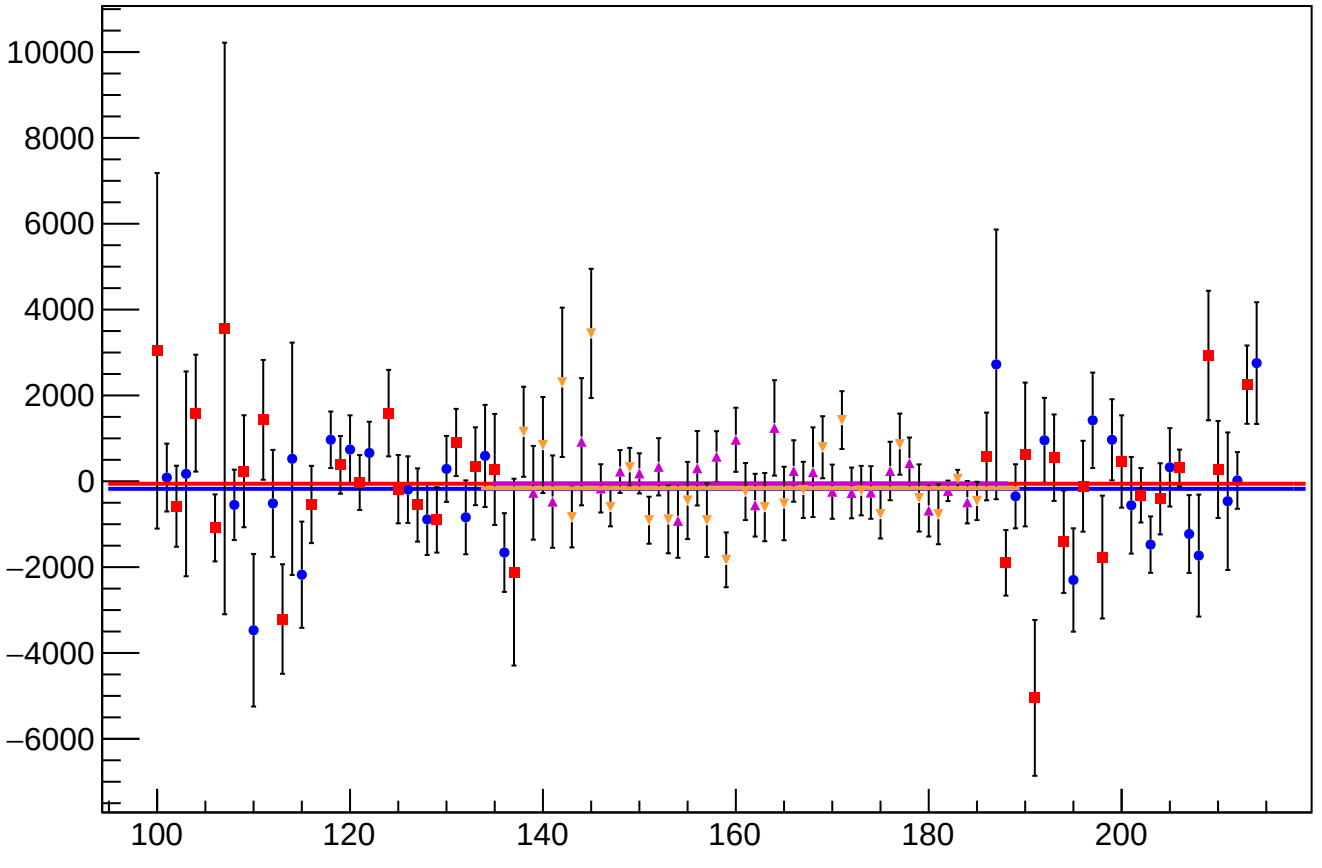
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1877.174+/-0.220 χ^2/NDF: 1416528.3/63

In: 1838.205+/-0.216 χ^2/NDF:686147.4/52

Out: 1850.766+/-0.213 χ^2/NDF:785663.8/58

All: 1844.568+/-0.151 χ^2/NDF: 1473530.6/11



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

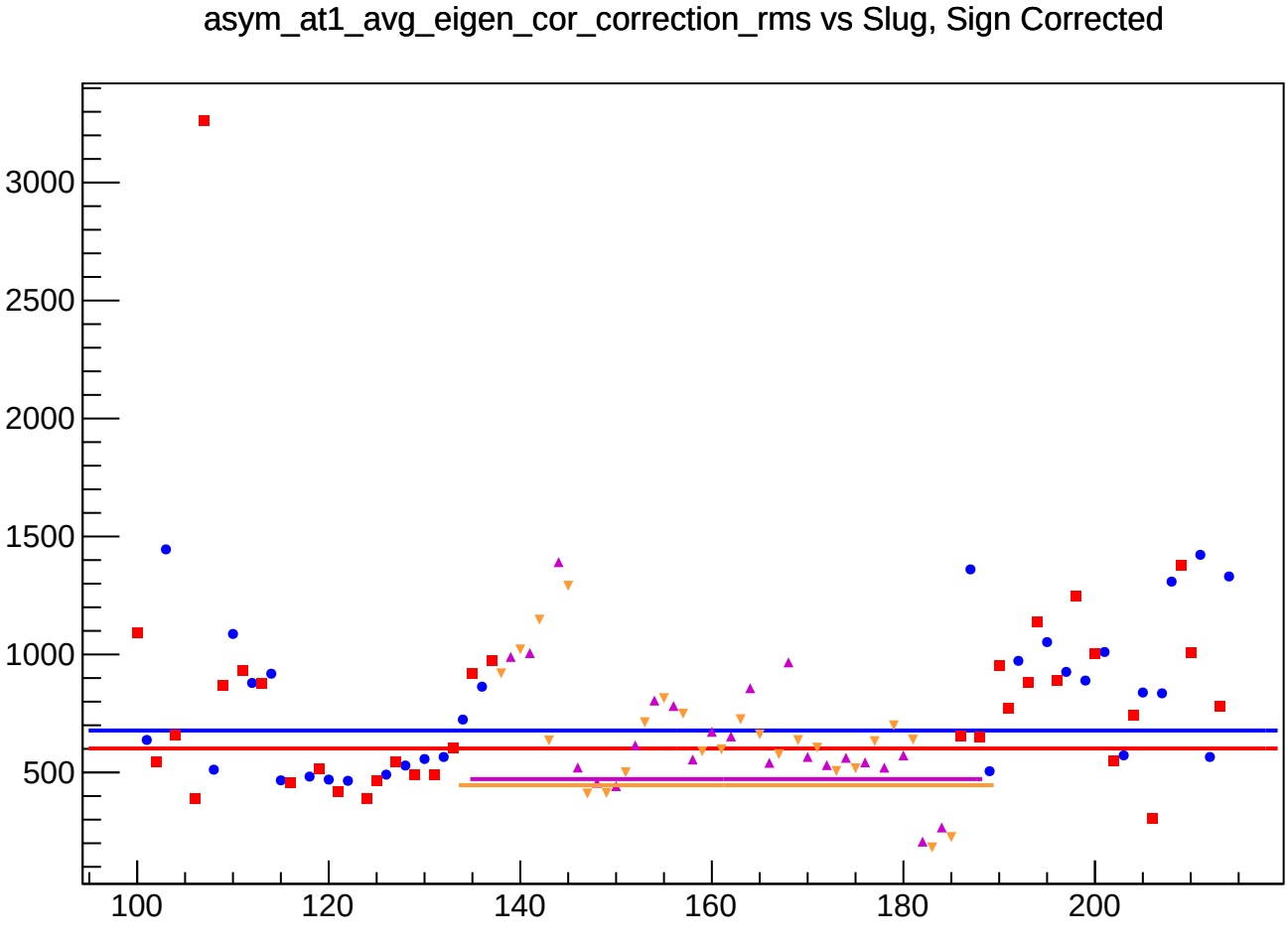
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -111.802+/-117.064 χ^2/NDF: 85.3/63

In: -91.804+/-100.000 χ^2/NDF:48.7/52

Out: -126.576+/-93.400 χ^2/NDF:85.2/58

All: -110.375+/-68.258 χ^2/NDF: 134.0/111



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

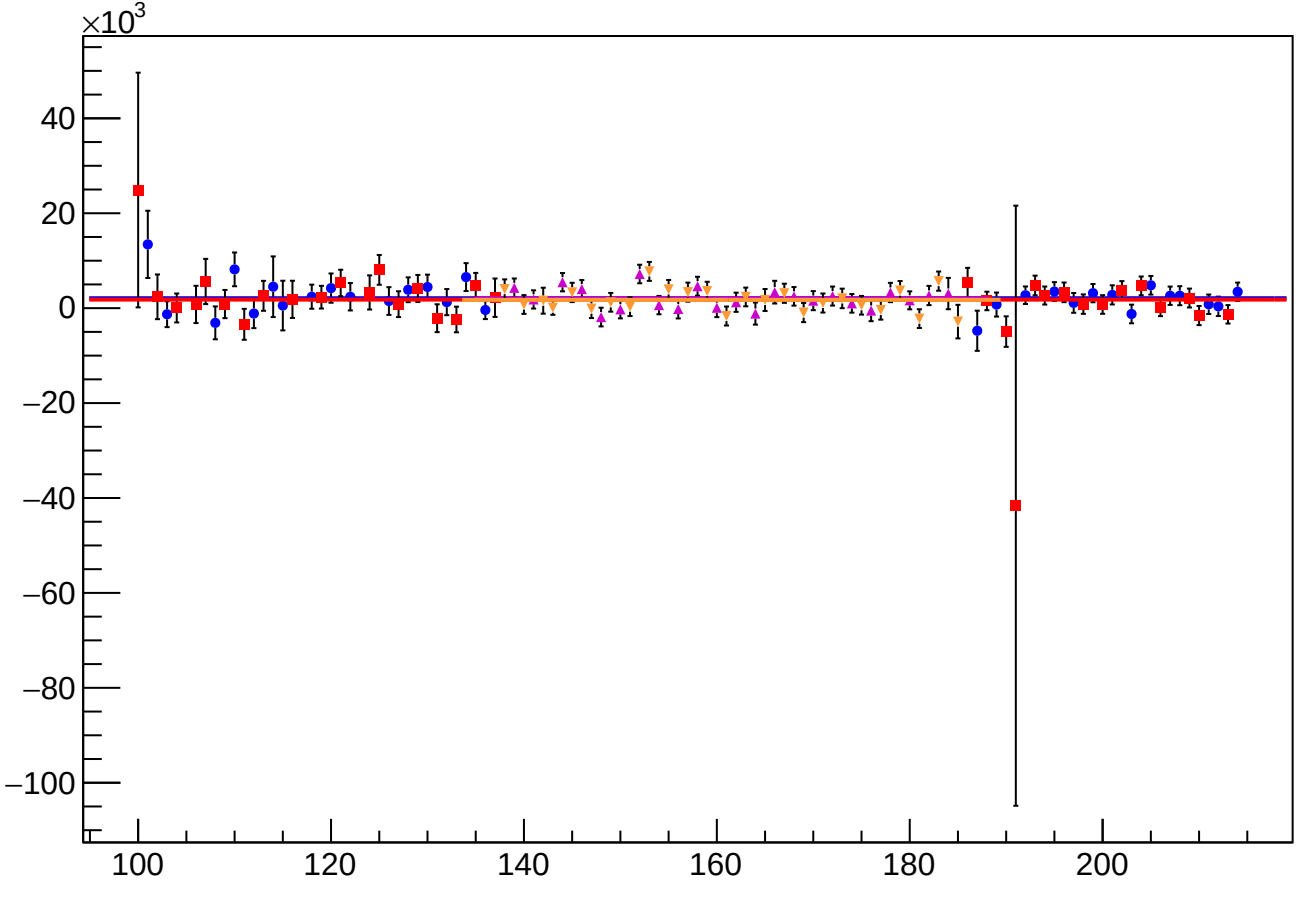
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 636.620+/-0.083 χ^2/NDF: 8856067.8/63

In: 540.910+/-0.071 χ^2/NDF:12095708.4/52

Out: 499.386+/-0.066 χ^2/NDF:14094004.0/58

All: 518.733+/-0.048 χ^2/NDF: 26373896.7/11



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

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

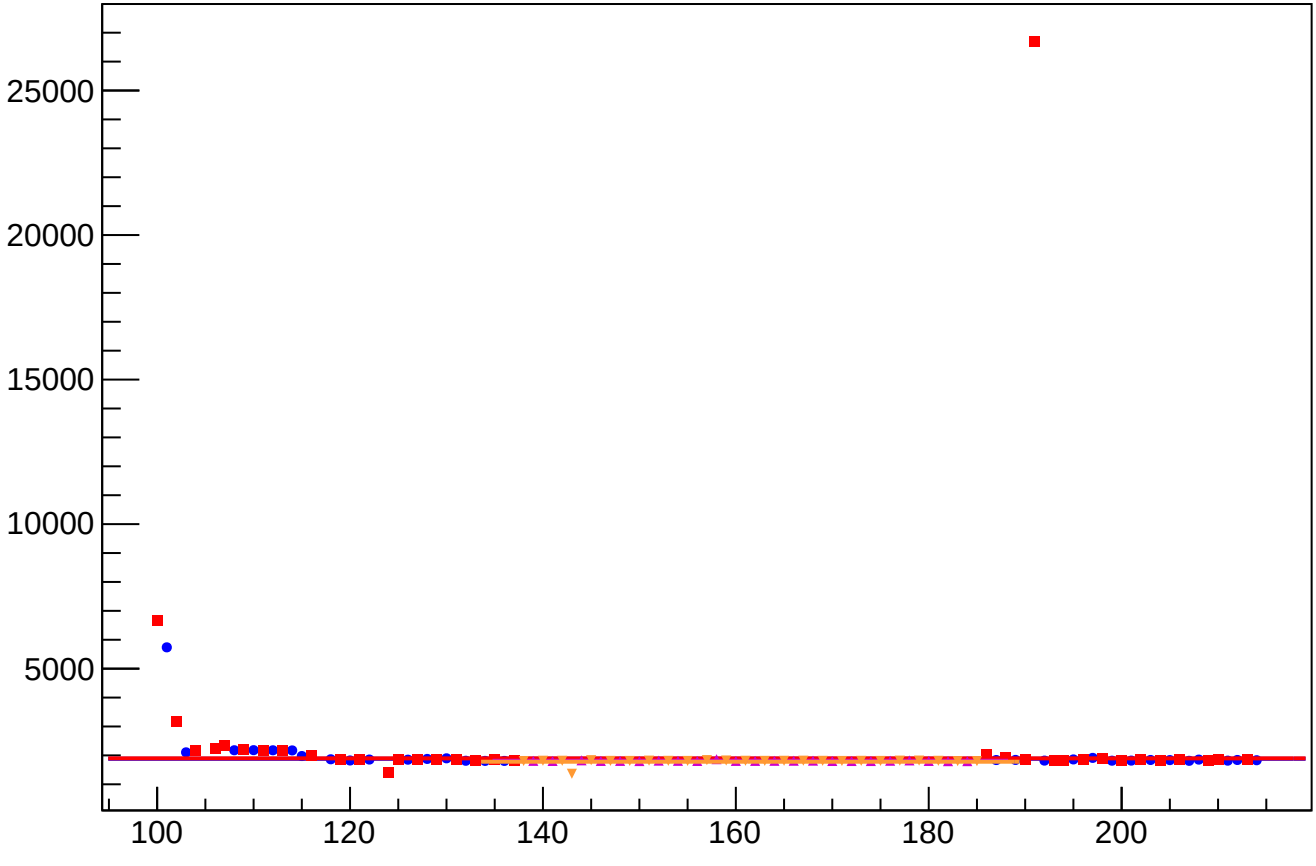
Right: 1948.675+/-313.123 χ^2/NDF: 63.0/63

In: 2084.431+/-306.427 χ^2/NDF:54.2/52

Out: 1776.794+/-298.731 χ^2/NDF:69.4/58

All: 1926.700+/-213.904 χ^2/NDF: 124.1/111

dit_asym_at1_avg_rms vs Slug, Sign Corrected



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

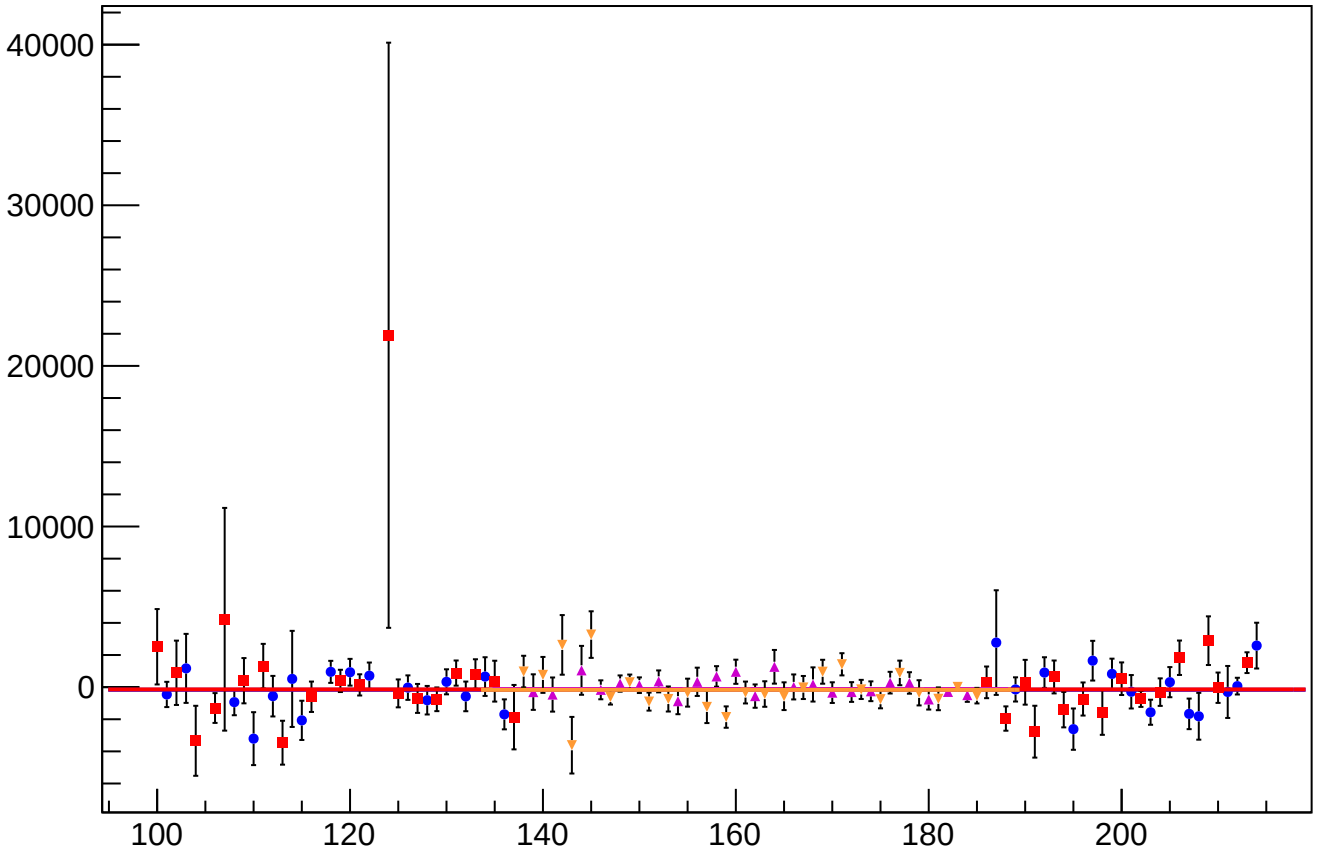
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1889.929+/-0.221 χ^2/NDF: 1380059.9/63

In: 1846.886+/-0.217 χ^2/NDF:707511.1/52

Out: 1834.104+/-0.211 χ^2/NDF:938411.3/58

All: 1840.333+/-0.151 χ^2/NDF: 1647706.6/11



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

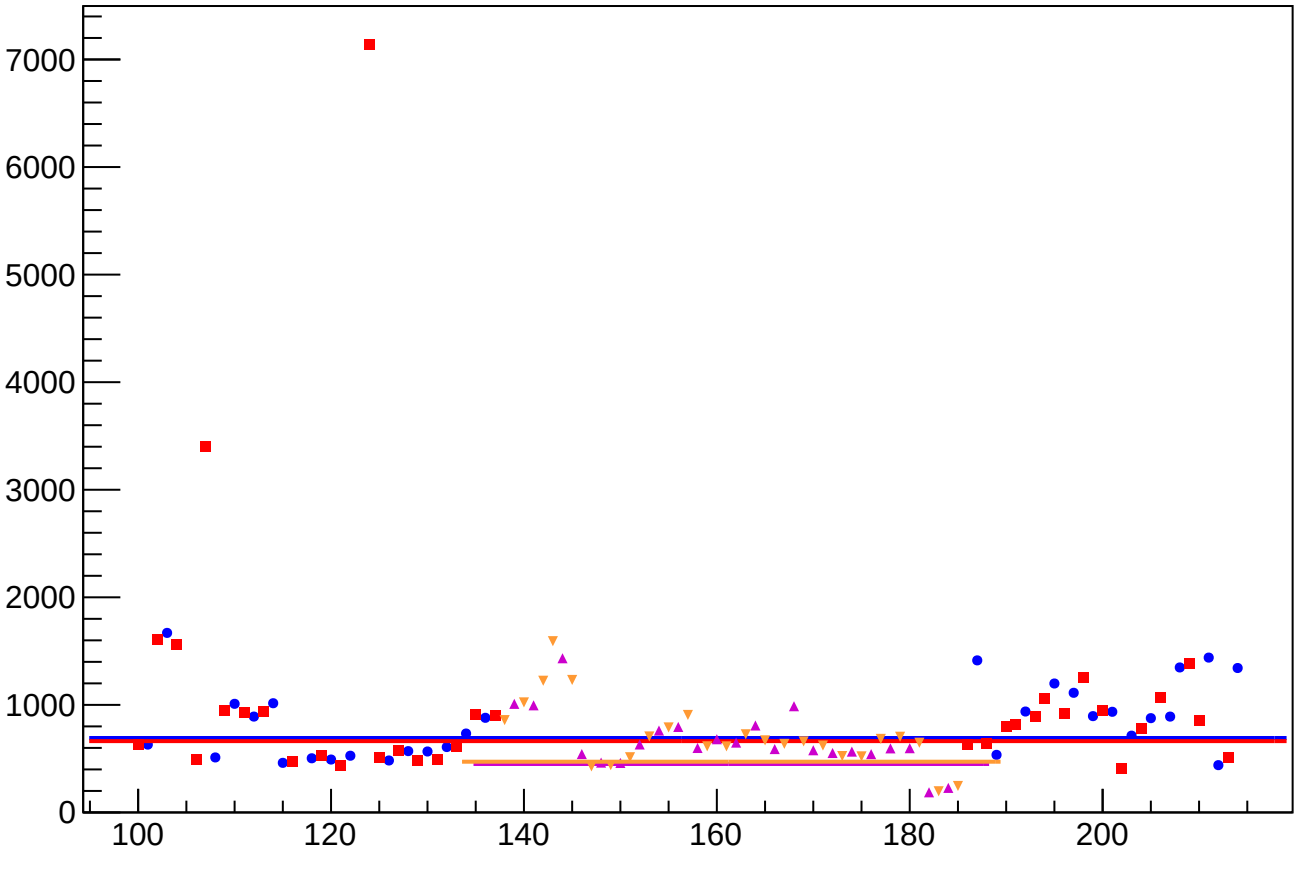
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -153.291+/-121.199 χ^2/NDF: 85.3/63

In: -132.284+/-98.682 χ^2/NDF:49.7/52

Out: -159.427+/-98.679 χ^2/NDF:86.3/58

All: -145.856+/-69.778 χ^2/NDF: 136.1/111



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

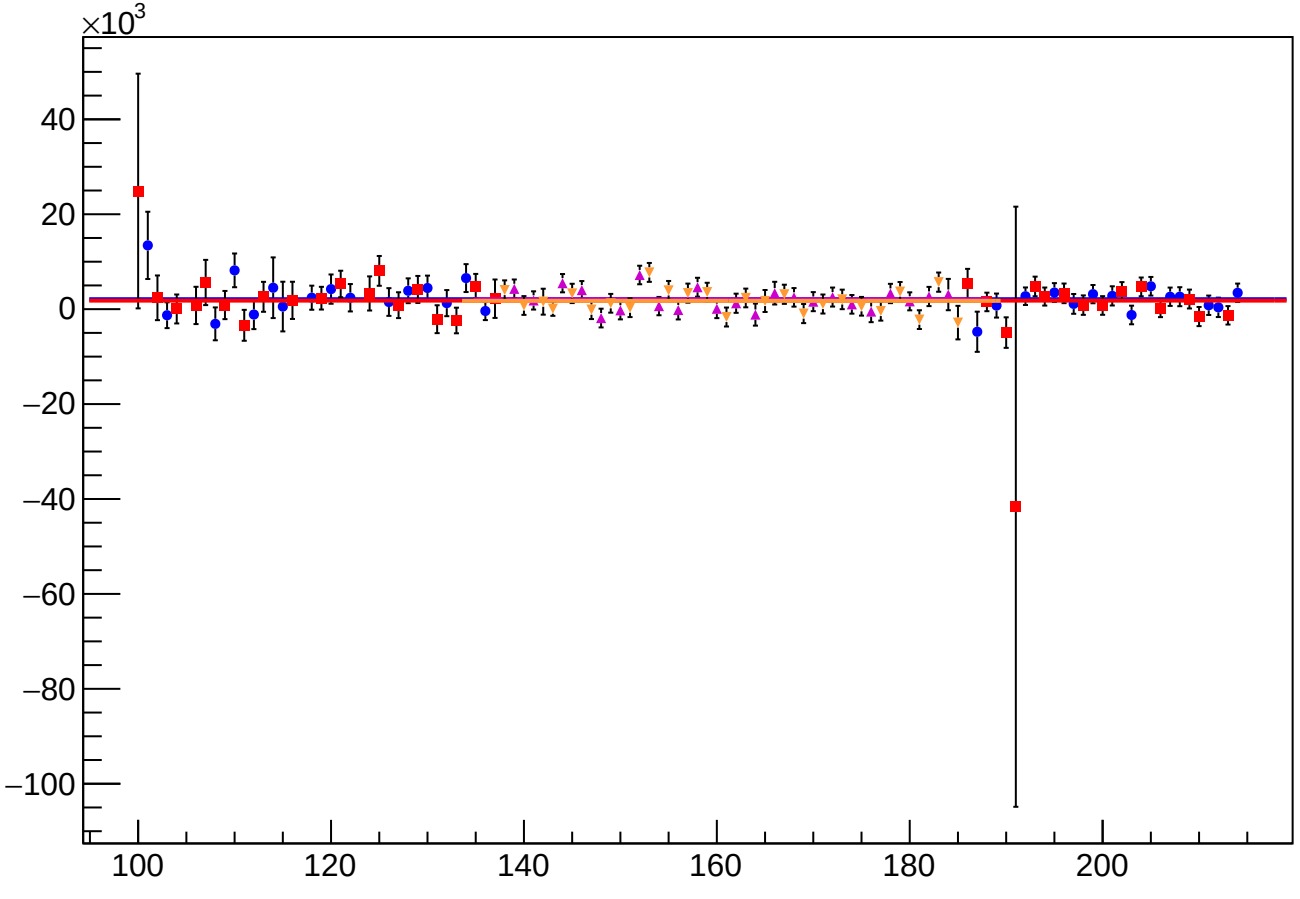
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 677.185+/-0.086 χ^2/NDF: 9402899.2/63

In: 528.187+/-0.070 χ^2/NDF:14913338.7/52

Out: 537.196+/-0.070 χ^2/NDF:14804919.6/58

All: 532.692+/-0.049 χ^2/NDF: 29726592.6/1



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

Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

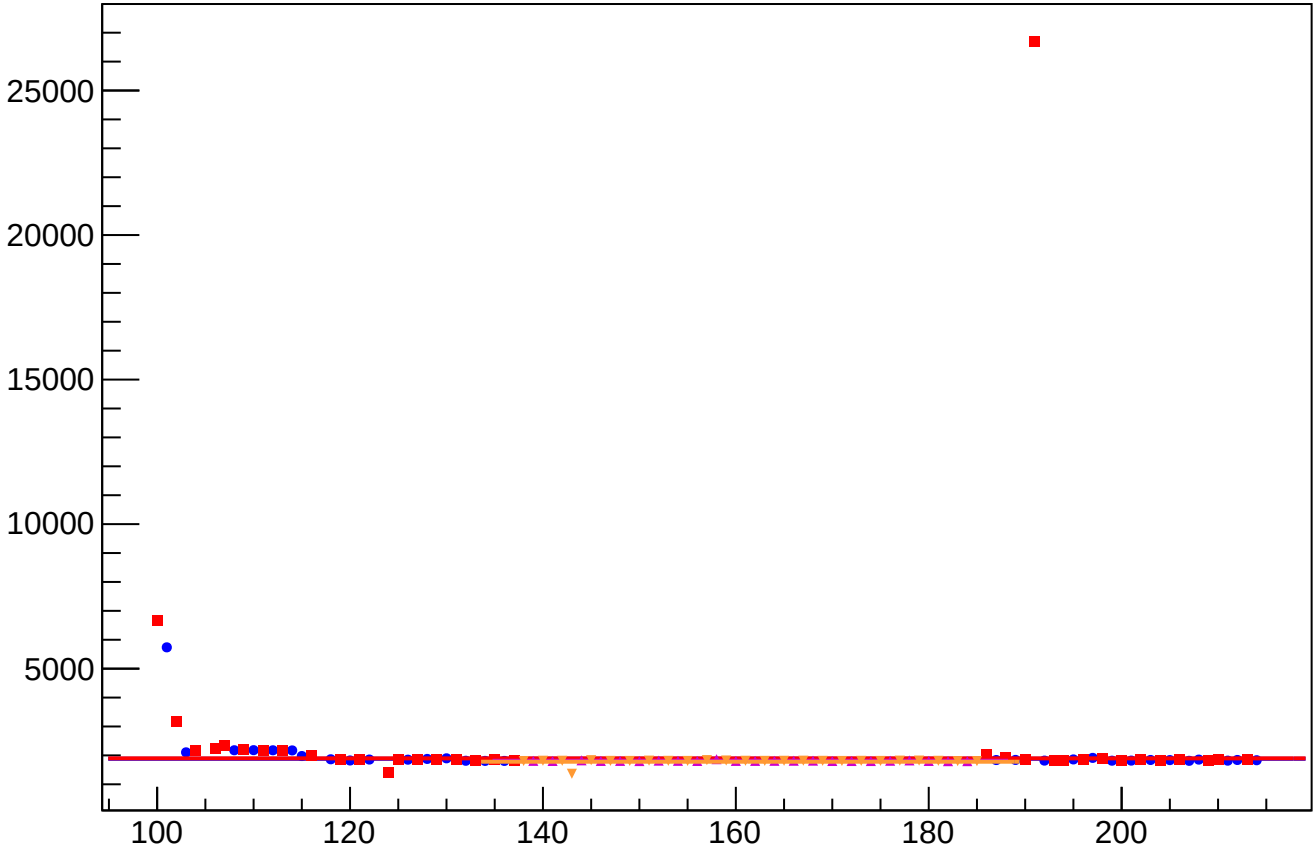
Right: 1948.674+/-313.123 χ^2/NDF: 63.0/63

In: 2084.431+/-306.427 χ^2/NDF:54.2/52

Out: 1776.794+/-298.731 χ^2/NDF:69.4/58

All: 1926.700+/-213.904 χ^2/NDF: 124.1/111

eigen_dit_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

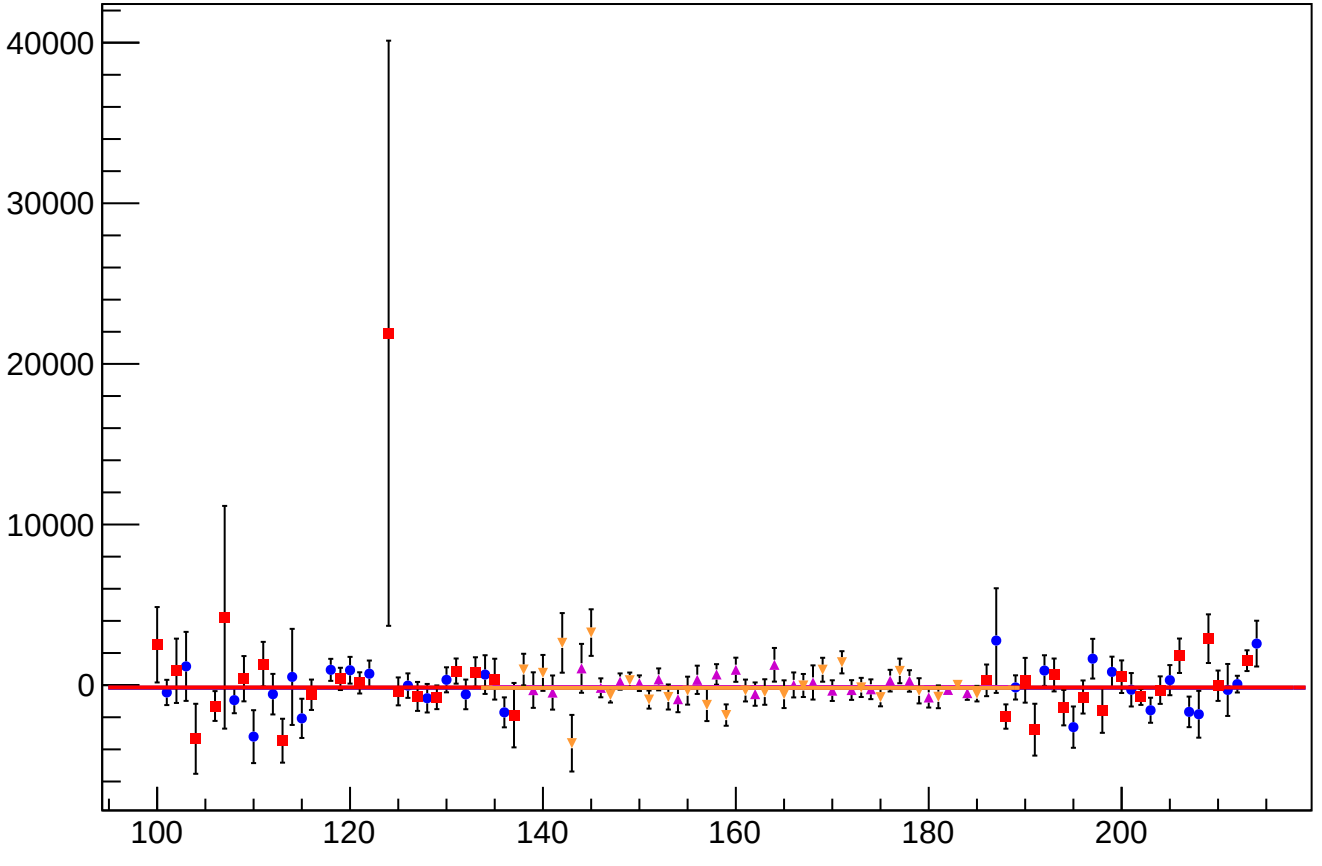
Right: 1889.929+/-0.221 χ^2/NDF: 1380058.1/63

In: 1846.886+/-0.217 χ^2/NDF:707510.6/52

Out: 1834.104+/-0.211 χ^2/NDF:938409.7/58

All: 1840.333+/-0.151 χ^2/NDF: 1647704.6/11

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

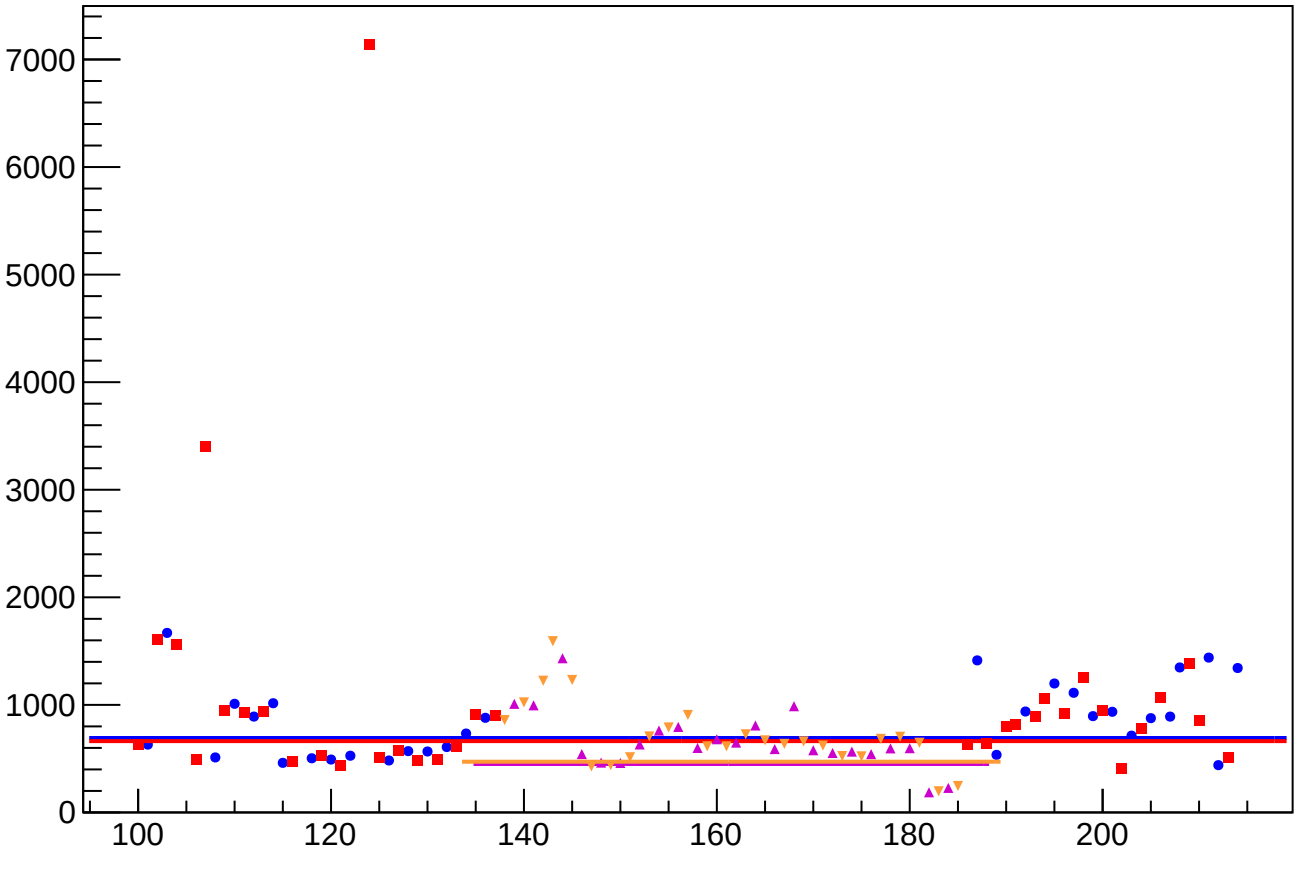
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -153.291+/-121.199 χ^2/NDF: 85.3/63

In: -132.284+/-98.682 χ^2/NDF:49.7/52

Out: -159.428+/-98.679 χ^2/NDF:86.3/58

All: -145.857+/-69.778 χ^2/NDF: 136.1/111



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

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

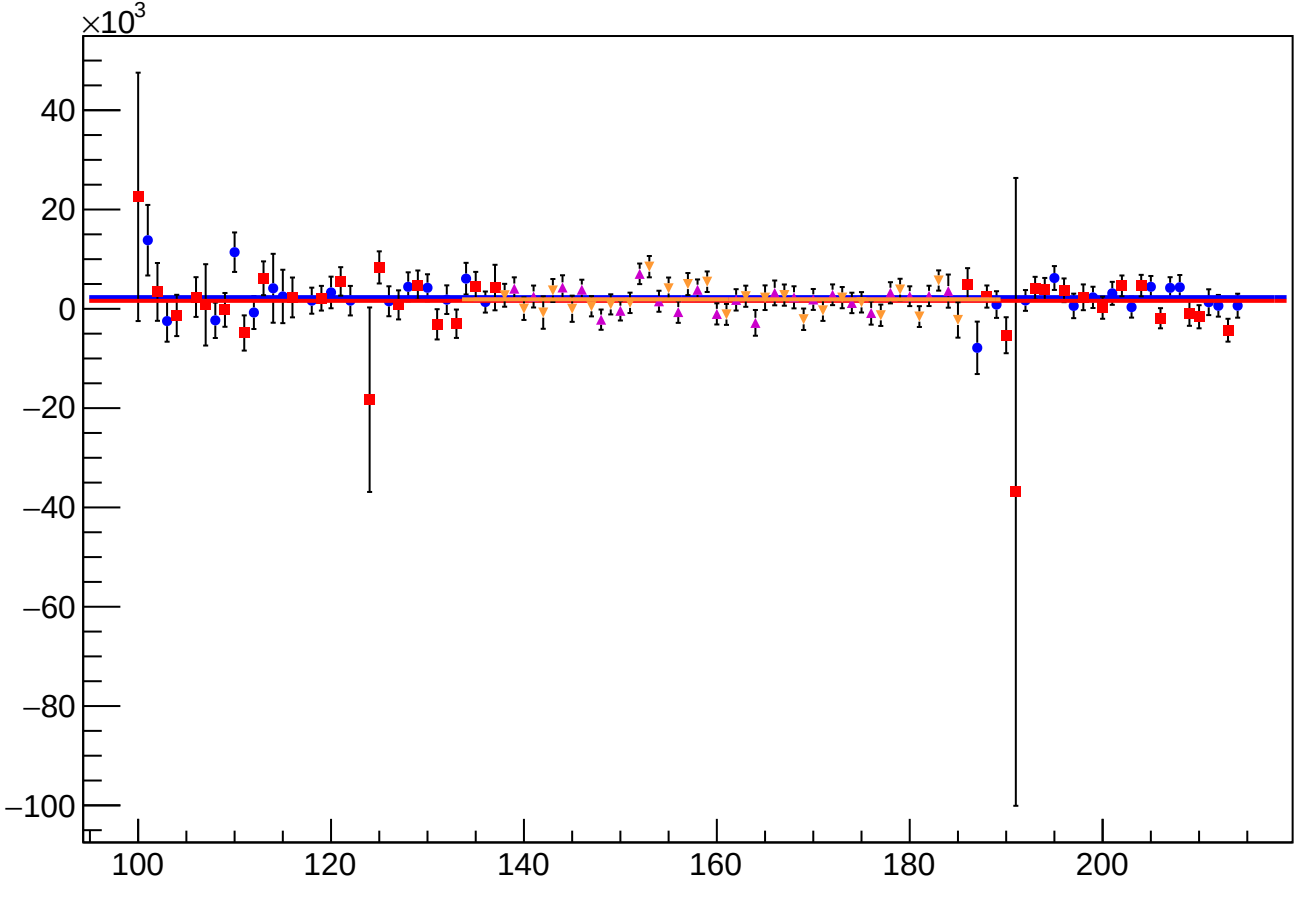
Right: 677.185+/-0.086 χ^2/NDF: 9402945.1/63

In: 528.188+/-0.070 χ^2/NDF:14913321.9/52

Out: 537.197+/-0.070 χ^2/NDF:14804921.3/58

All: 532.693+/-0.049 χ^2/NDF: 29726577.2/11

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

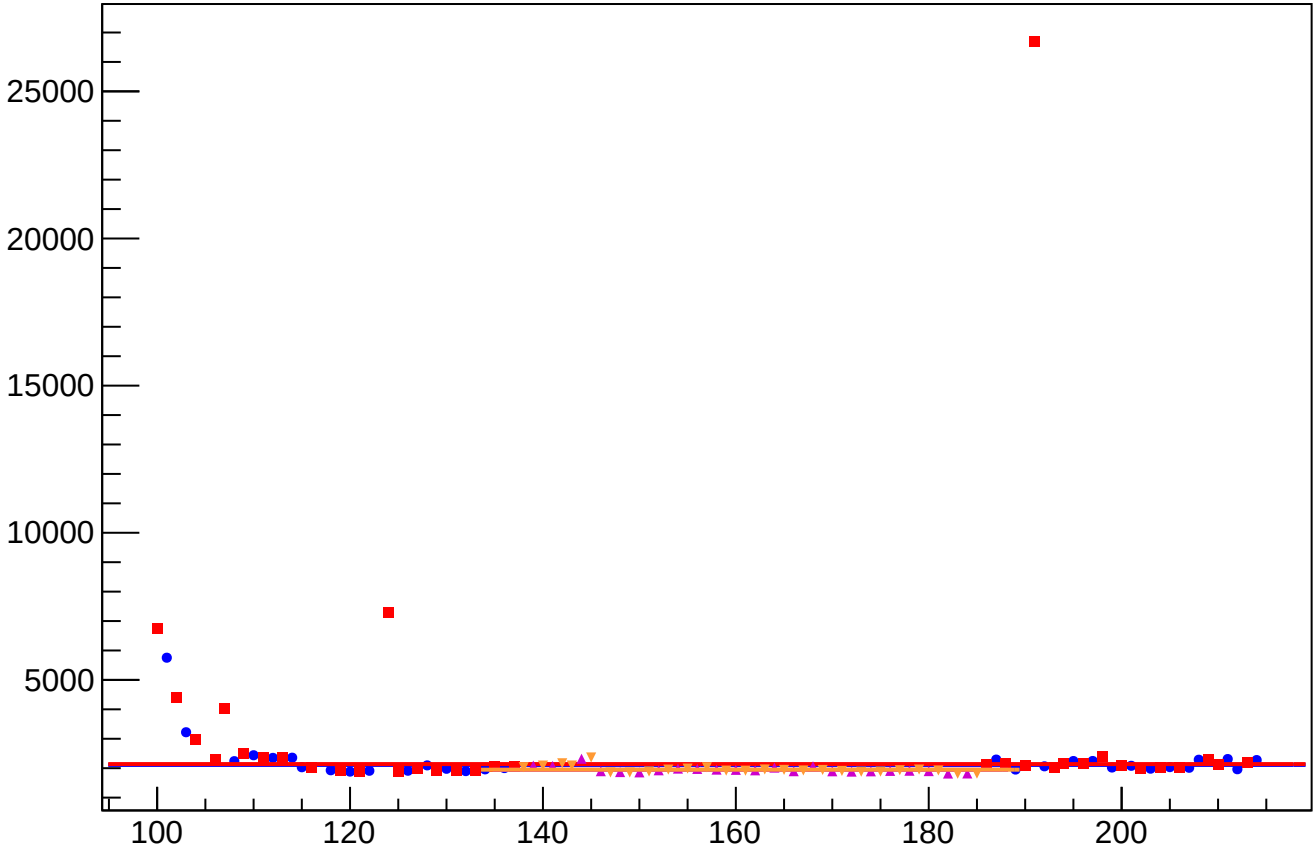
Right: 1982.267+/-353.549 χ^2/NDF: 74.7/63

In: 2121.312+/-336.218 χ^2/NDF:51.7/52

Out: 1775.005+/-332.037 χ^2/NDF:83.5/58

All: 1945.992+/-236.250 χ^2/NDF: 135.8/111

asym_at1_avg_rms vs Slug, Sign Corrected



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

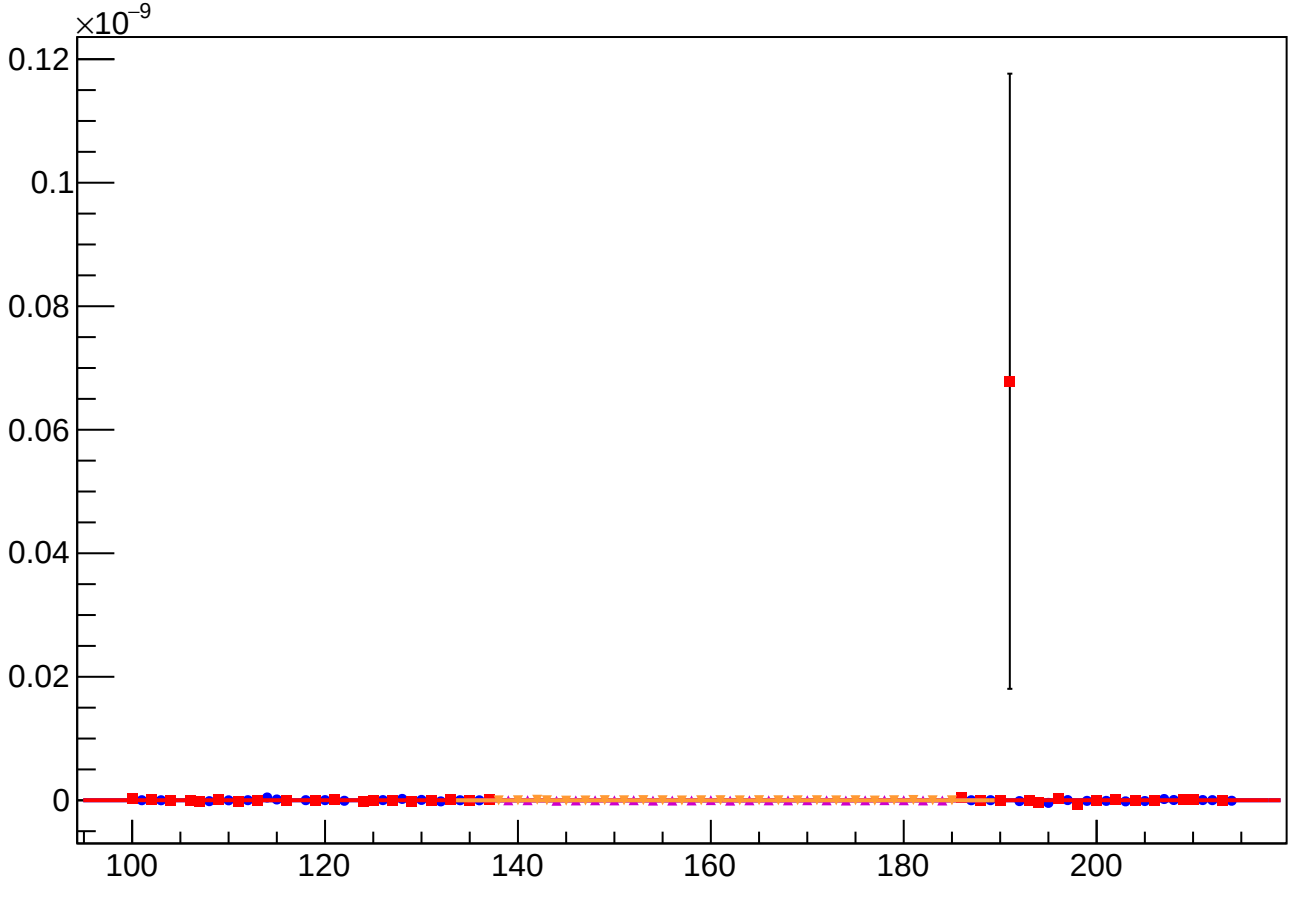
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2125.166+/-0.250 χ^2/NDF: 2030530.8/63

In: 2020.351+/-0.238 χ^2/NDF:1056838.8/52

Out: 2032.733+/-0.235 χ^2/NDF:1457619.0/58

All: 2026.619+/-0.167 χ^2/NDF: 2515831.0/11



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

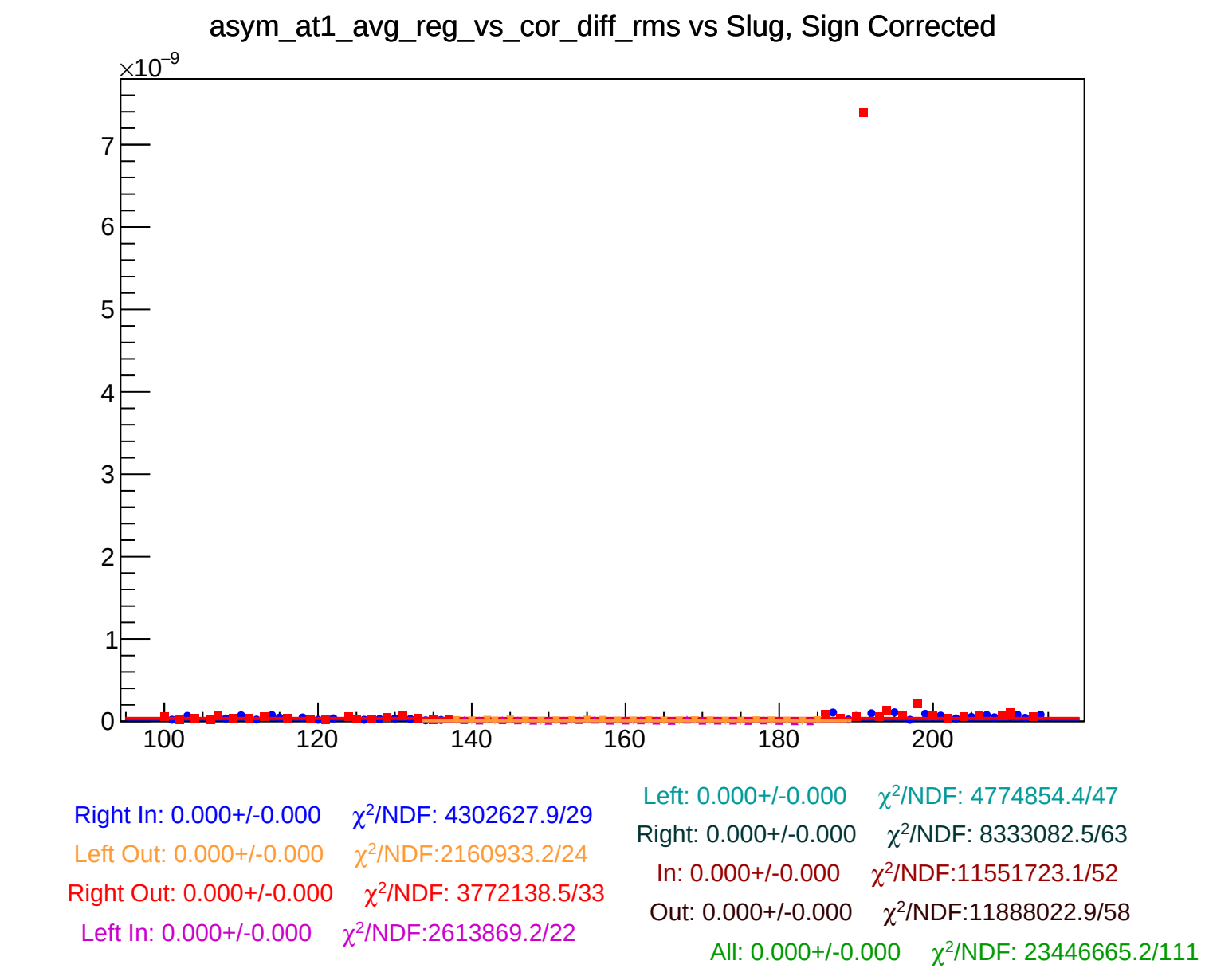
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 65.2/63

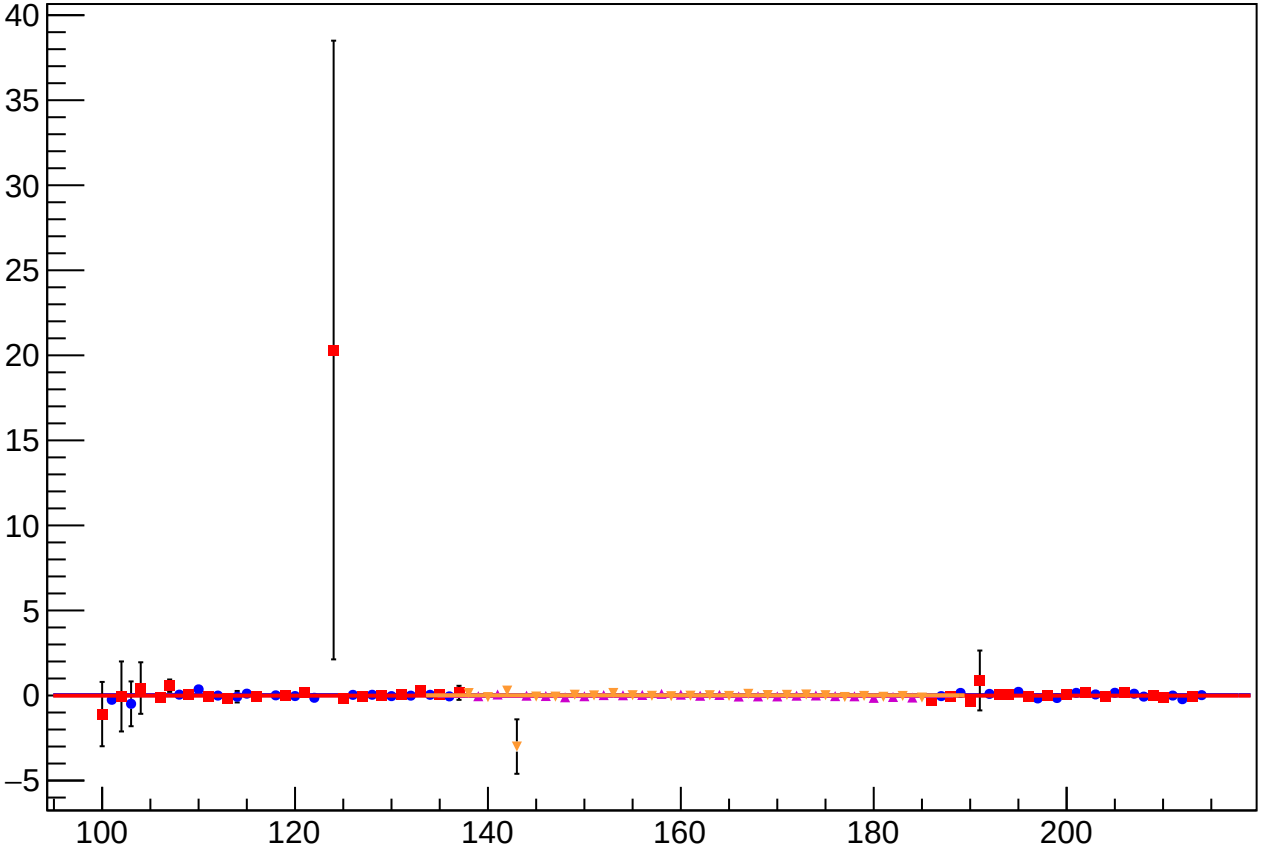
In: -0.000+/-0.000 χ^2/NDF:65.6/52

Out: 0.000+/-0.000 χ^2/NDF:60.5/58

All: -0.000+/-0.000 χ^2/NDF: 126.8/111


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×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
Left: 0.000+/-0.000 χ²/NDF: 4774854.4/47
Right: 0.000+/-0.000 χ²/NDF: 8333082.5/63
In: 0.000+/-0.000 χ²/NDF:11551723.1/52
Out: 0.000+/-0.000 χ²/NDF:11888022.9/58
All: 0.000+/-0.000 χ²/NDF: 23446665.2/111

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

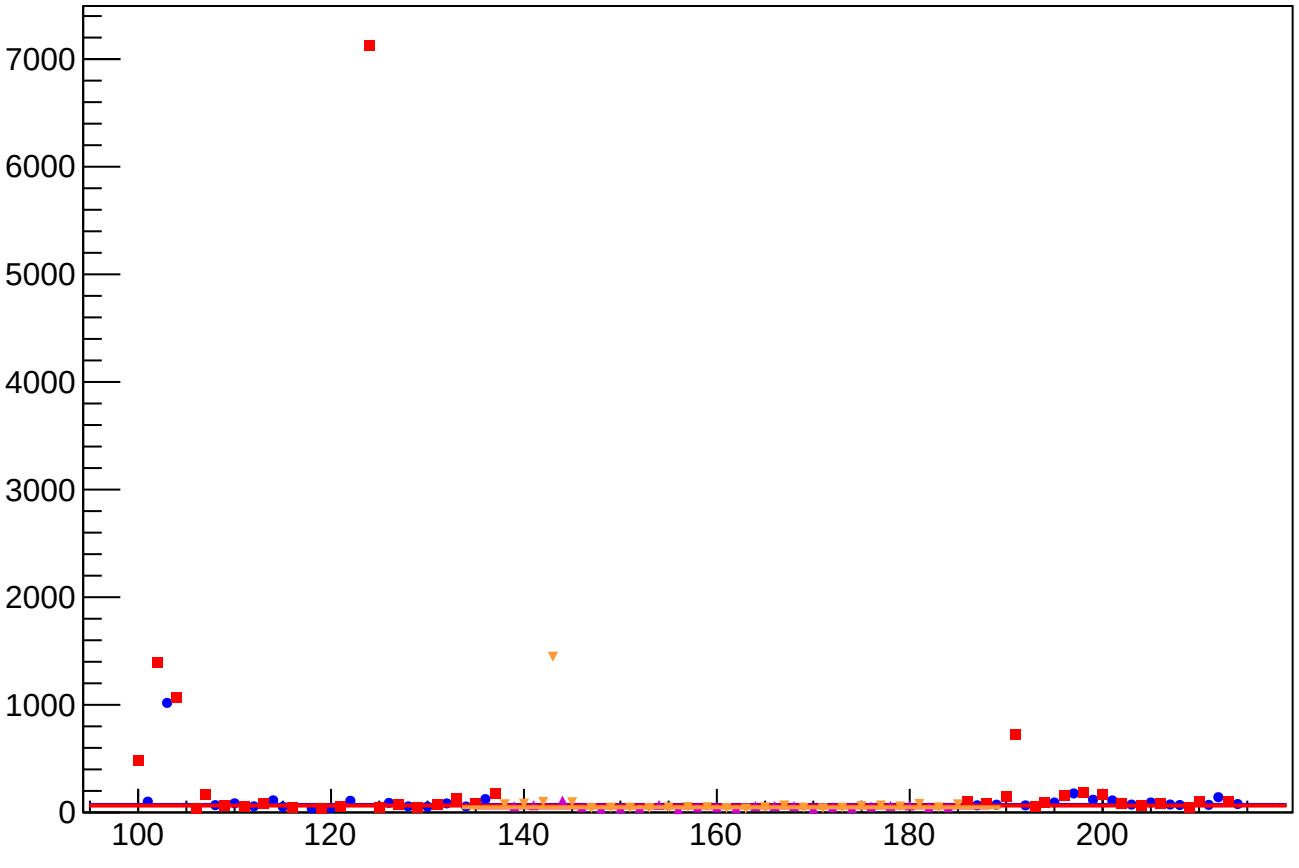
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.007+/-0.014 χ^2/NDF: 57.7/63

In: -0.006+/-0.010 χ^2/NDF:48.9/52

Out: 0.005+/-0.010 χ^2/NDF:61.4/58

All: -0.001+/-0.007 χ^2/NDF: 110.9/111



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

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

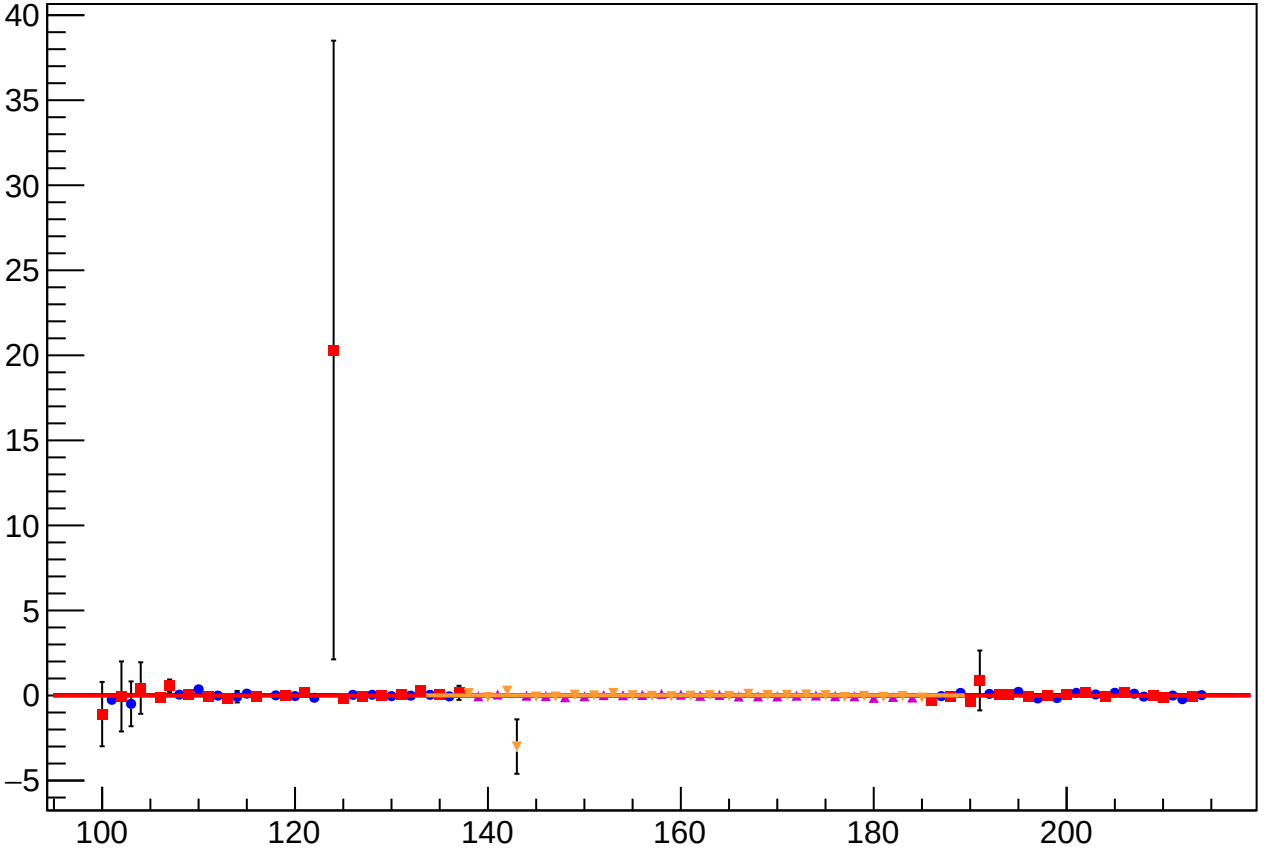
Right: 66.915+/-0.010 χ^2/NDF: 11066509.9/63

In: 53.340+/-0.007 χ^2/NDF:8192520.6/52

Out: 52.844+/-0.007 χ^2/NDF:11283489.0/58

All: 53.092+/-0.005 χ^2/NDF: 19478298.9/111

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

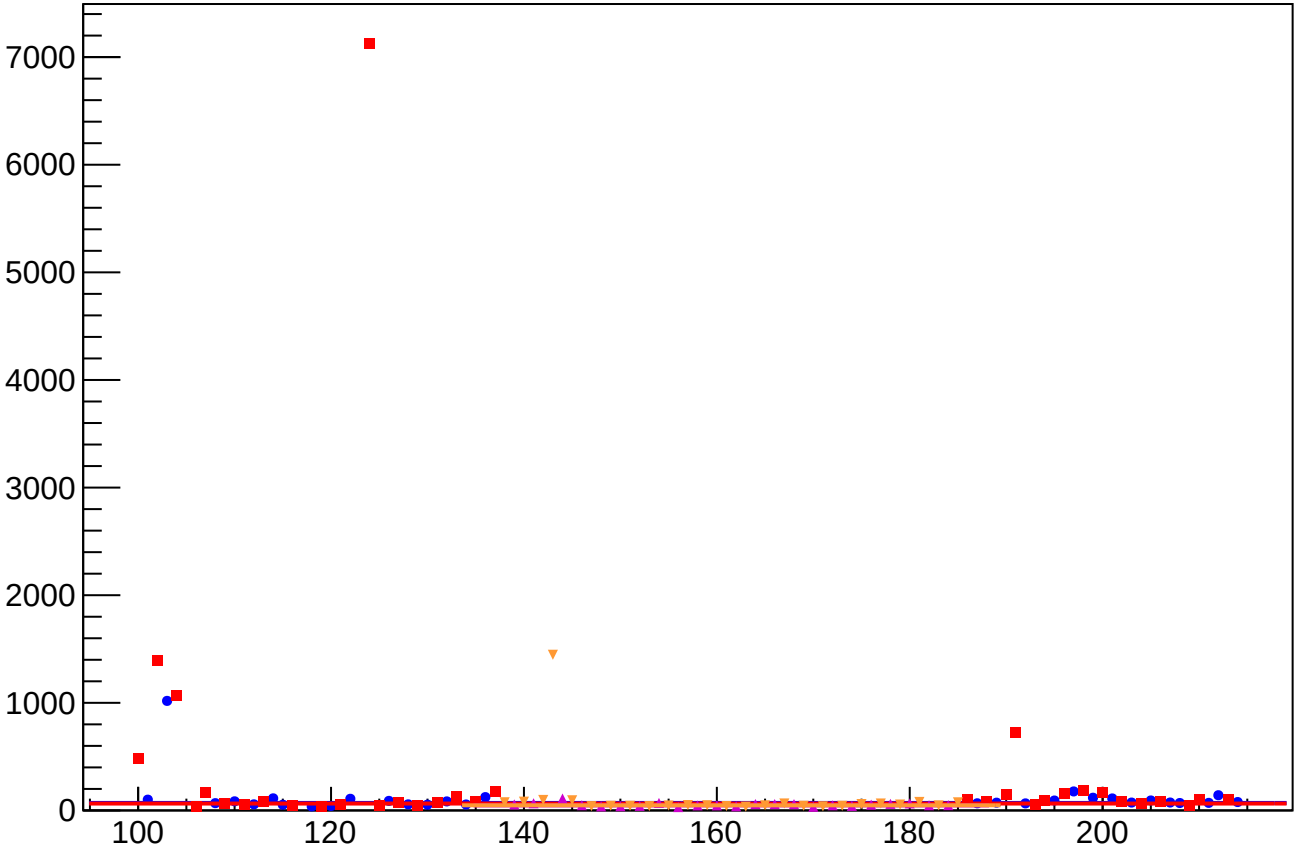
Right: 0.007+/-0.014 χ^2/NDF: 57.7/63

In: -0.006+/-0.010 χ^2/NDF:48.9/52

Out: 0.005+/-0.010 χ^2/NDF:61.4/58

All: -0.001+/-0.007 χ^2/NDF: 110.9/111

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

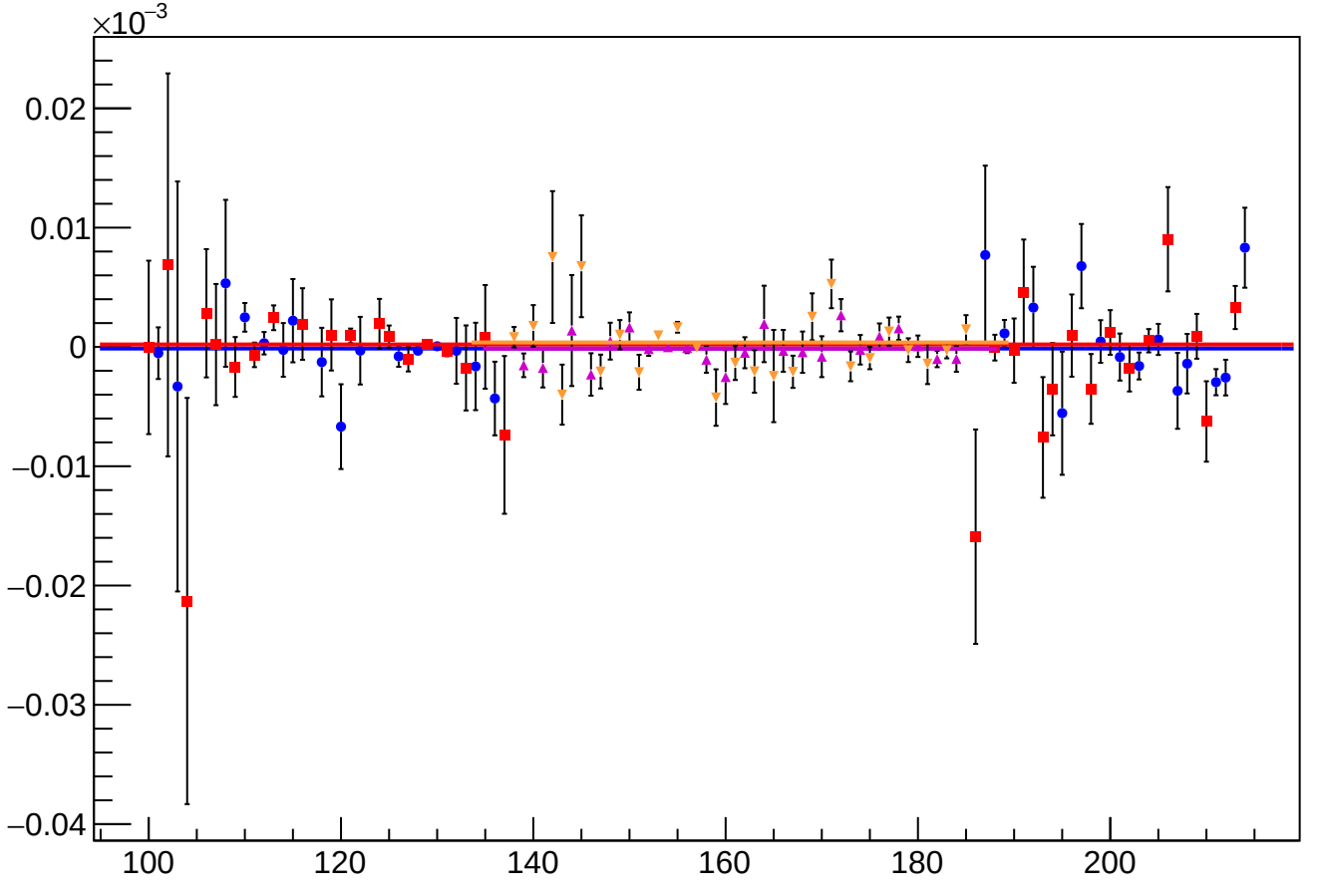
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 66.915+/-0.010 χ^2/NDF: 11066509.9/63

In: 53.340+/-0.007 χ^2/NDF:8192520.6/52

Out: 52.844+/-0.007 χ^2/NDF:11283489.0/58

All: 53.092+/-0.005 χ^2/NDF: 19478298.9/111



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

Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

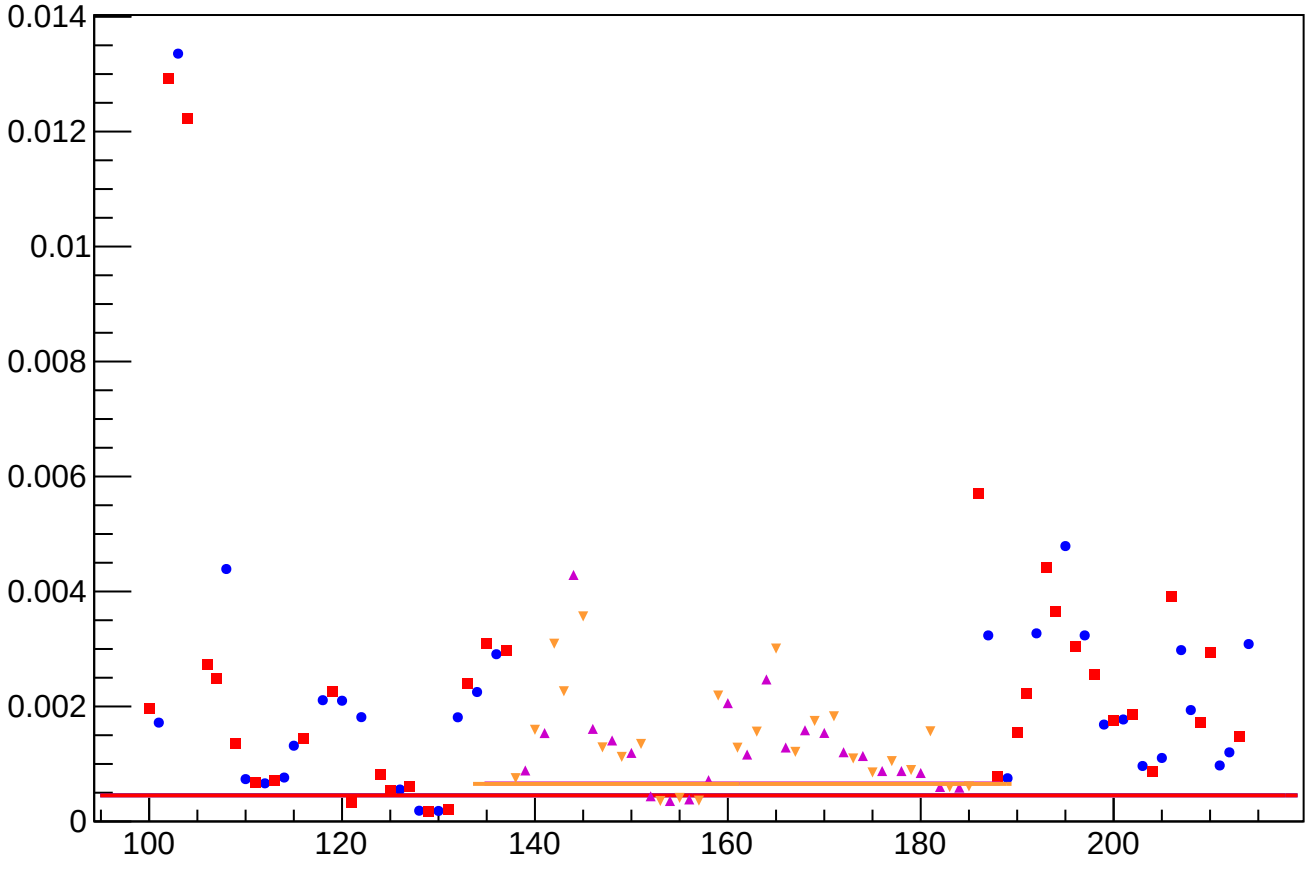
Right: 0.000+/-0.000 χ^2/NDF: 79.6/63

In: -0.000+/-0.000 χ^2/NDF:60.6/52

Out: 0.000+/-0.000 χ^2/NDF:89.3/58

All: 0.000+/-0.000 χ^2/NDF: 155.4/111

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

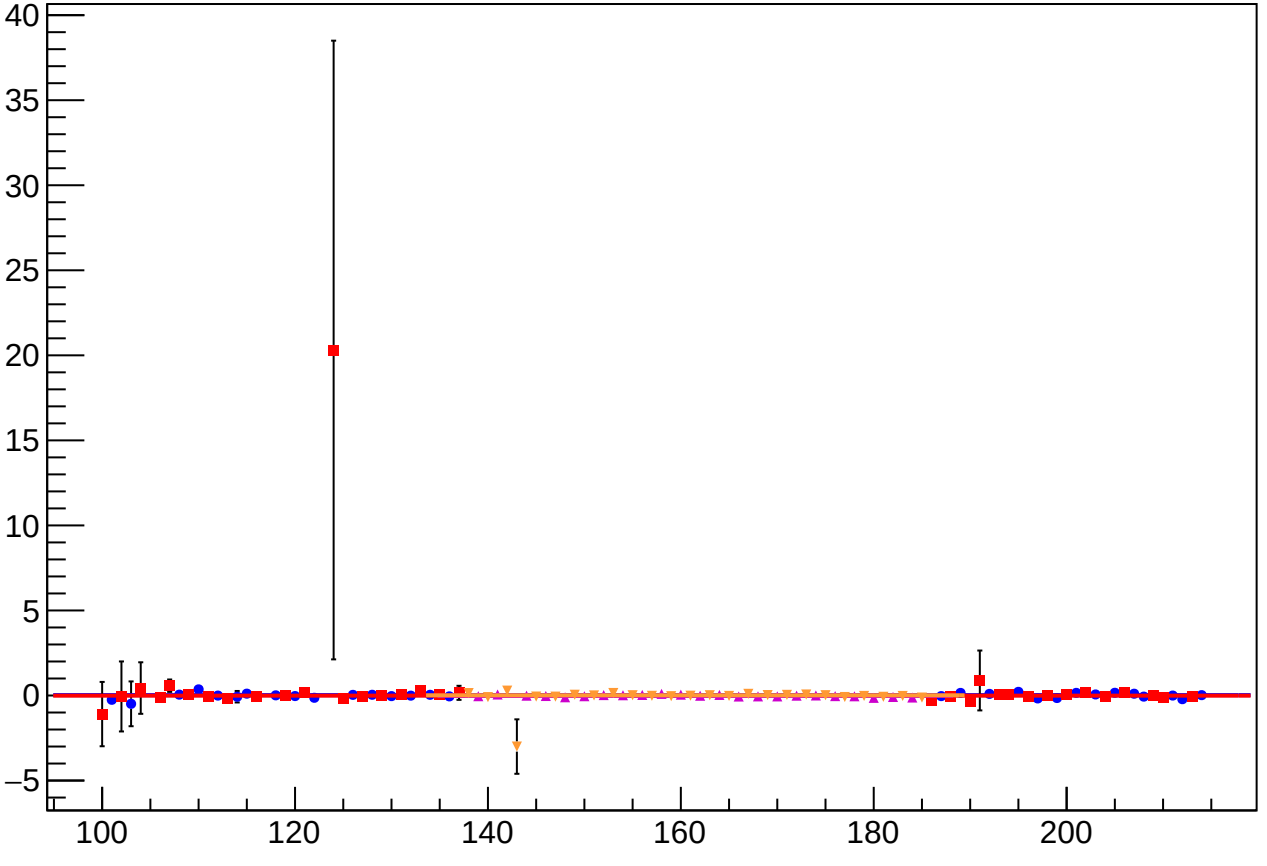
Right: 0.000+/-0.000 χ^2/NDF: 42730845.9/63

In: 0.001+/-0.000 χ^2/NDF:32177042.8/52

Out: 0.001+/-0.000 χ^2/NDF:34813081.9/58

All: 0.001+/-0.000 χ^2/NDF: 66990124.7/111

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

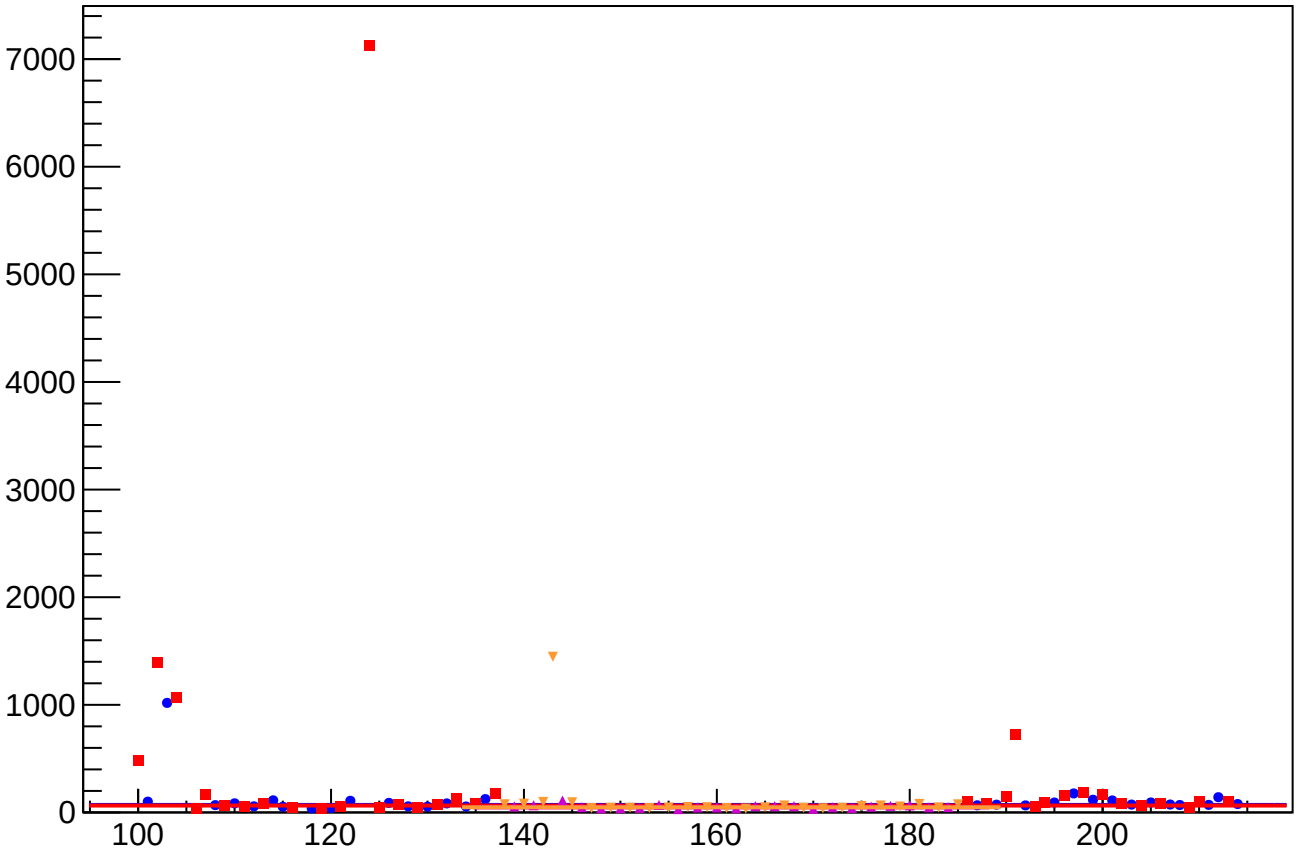
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.007+/-0.014 χ^2/NDF: 57.7/63

In: -0.006+/-0.010 χ^2/NDF:48.9/52

Out: 0.005+/-0.010 χ^2/NDF:61.4/58

All: -0.001+/-0.007 χ^2/NDF: 110.9/111



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

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

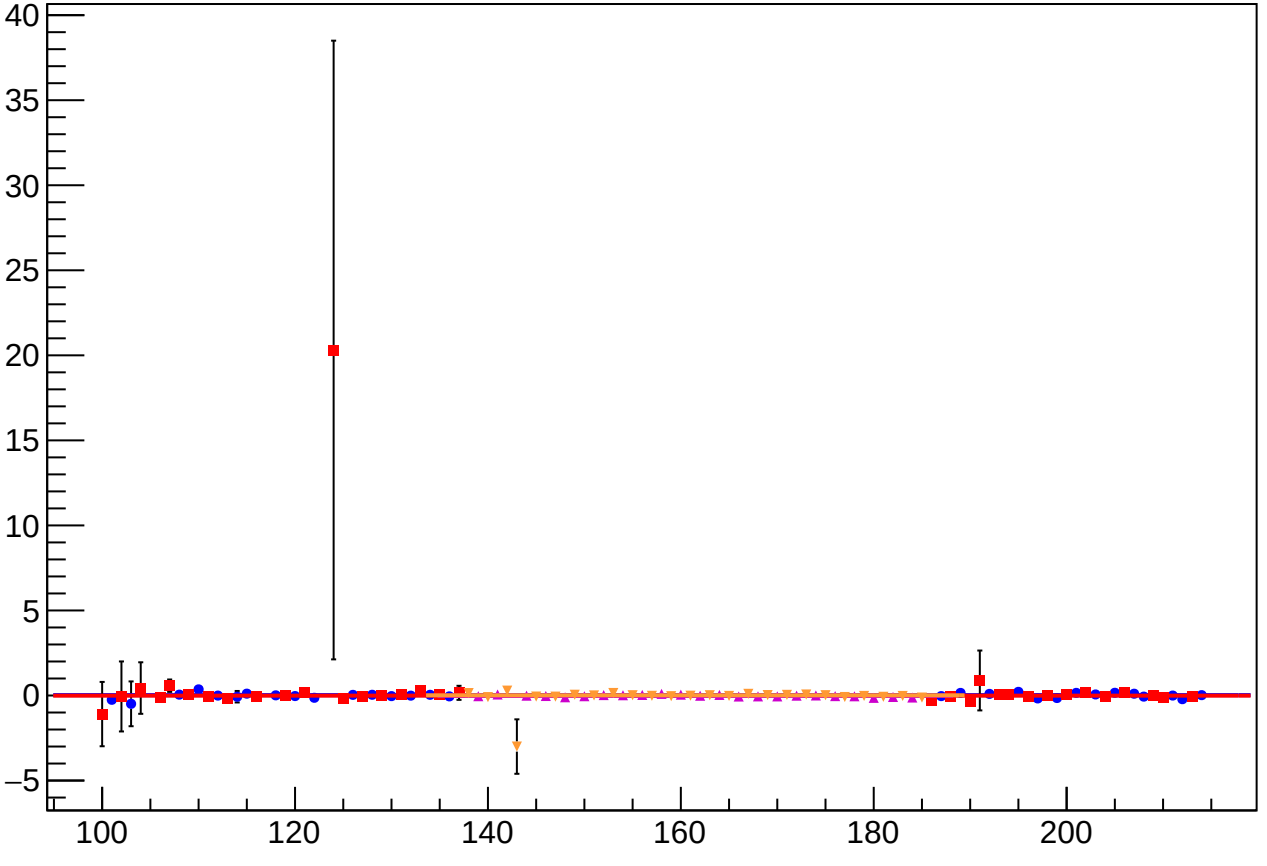
Right: 66.914+/-0.010 χ^2/NDF: 11066823.8/63

In: 53.340+/-0.007 χ^2/NDF:8192599.2/52

Out: 52.844+/-0.007 χ^2/NDF:11283560.9/58

All: 53.092+/-0.005 χ^2/NDF: 19478449.9/111

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

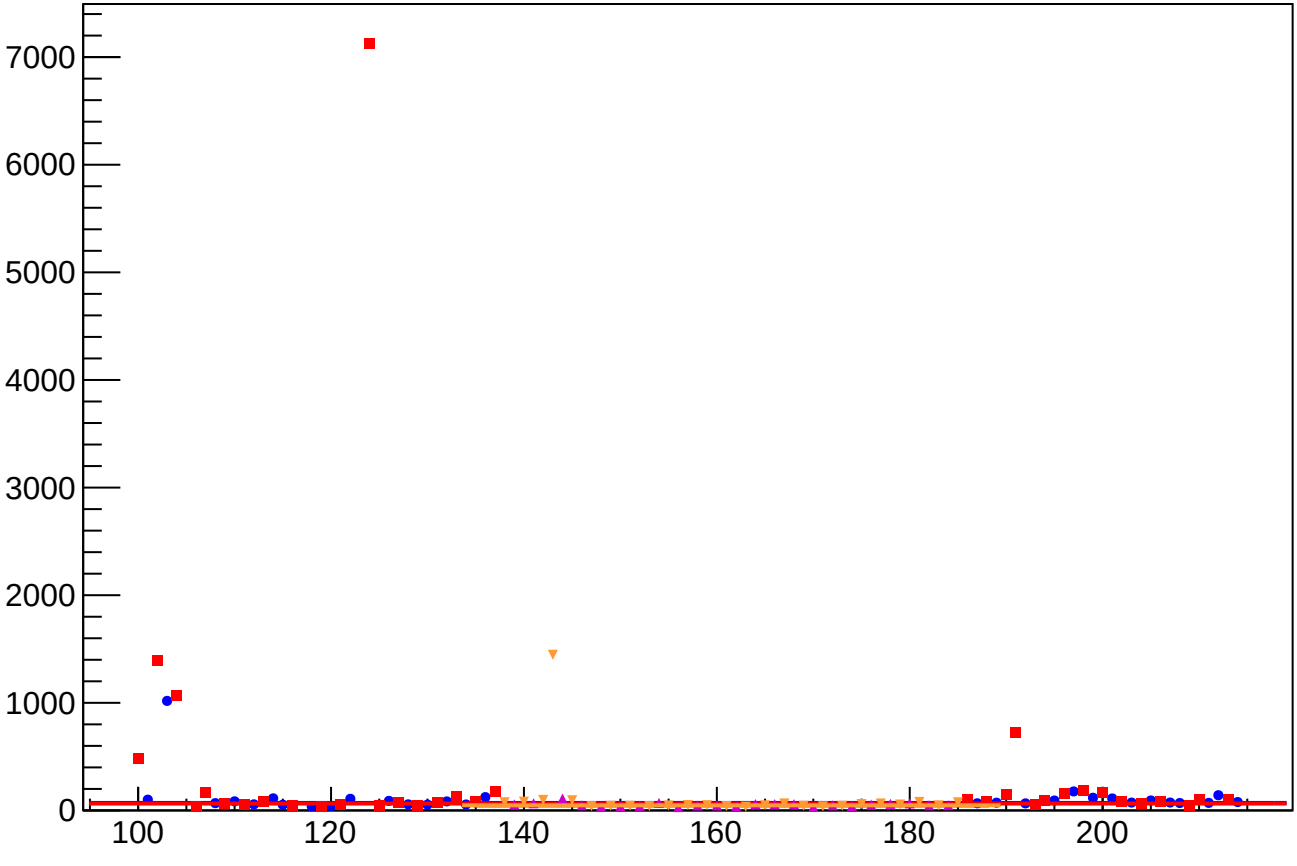
Right: 0.007+/-0.014 χ^2/NDF: 57.7/63

In: -0.006+/-0.010 χ^2/NDF:48.9/52

Out: 0.005+/-0.010 χ^2/NDF:61.4/58

All: -0.001+/-0.007 χ^2/NDF: 110.9/111

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

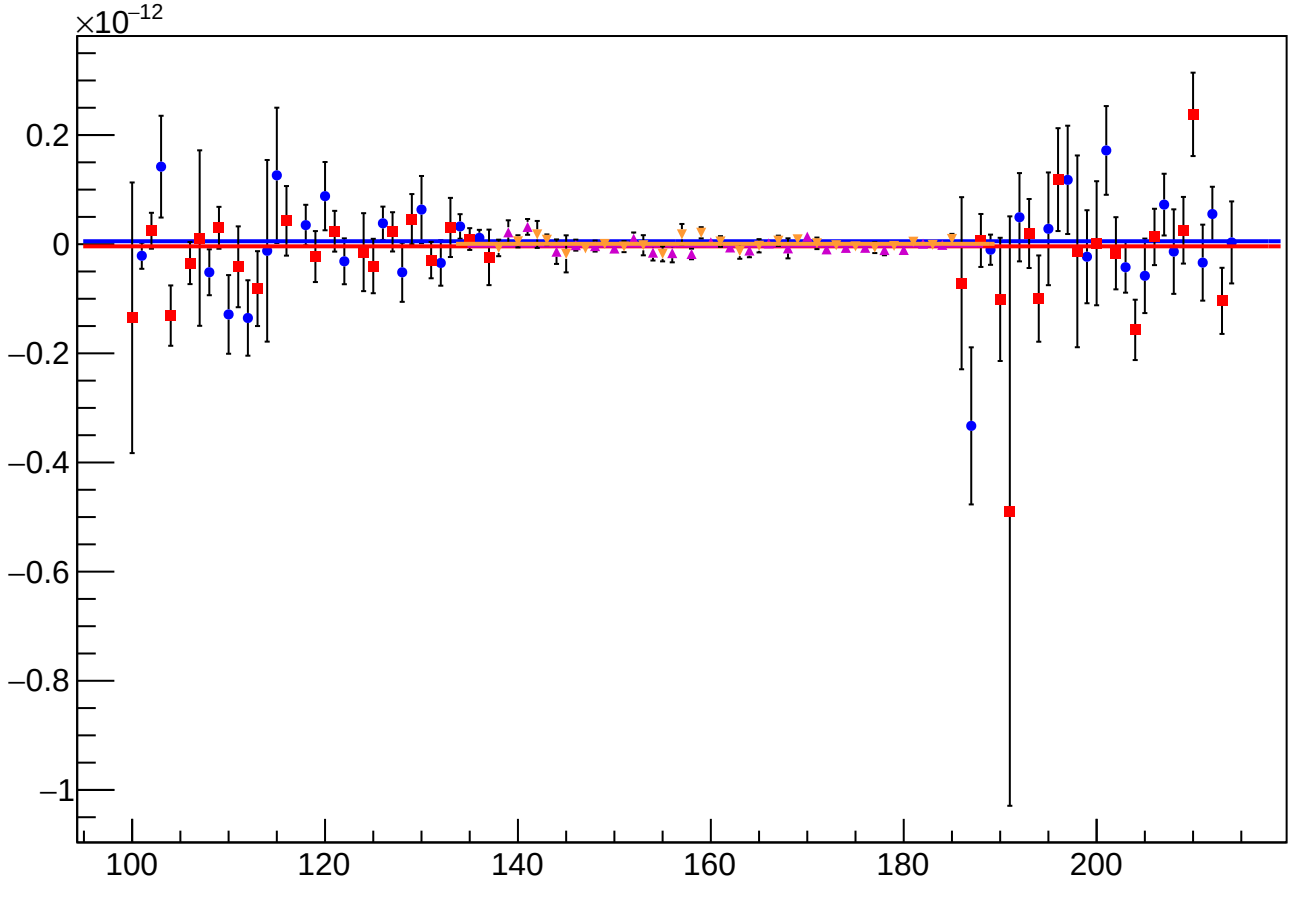
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 66.914+/-0.010 χ^2/NDF: 11066823.8/63

In: 53.340+/-0.007 χ^2/NDF:8192599.2/52

Out: 52.844+/-0.007 χ^2/NDF:11283560.9/58

All: 53.092+/-0.005 χ^2/NDF: 19478449.9/111



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

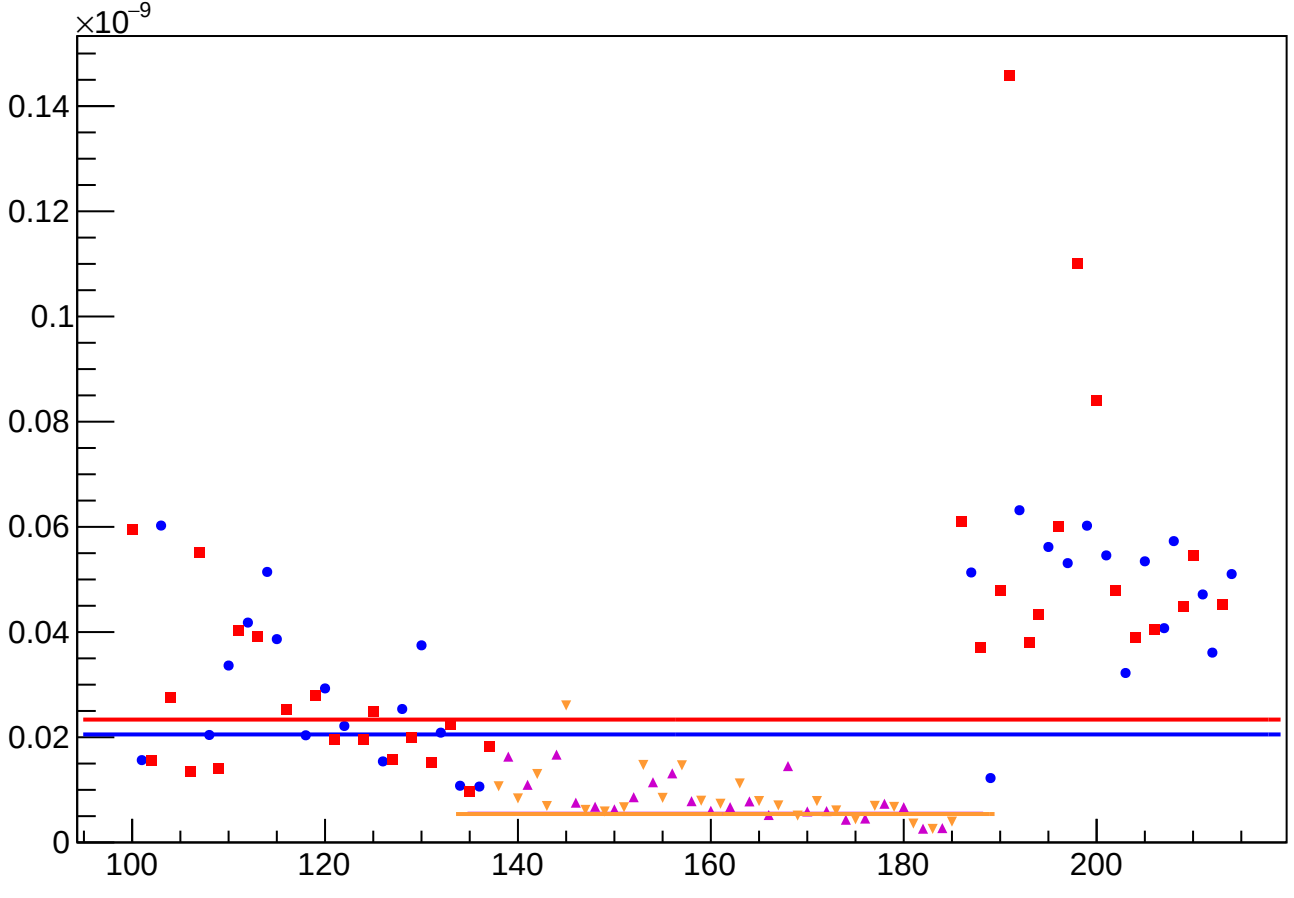
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 80.0/63

In: -0.000+/-0.000 χ^2/NDF:61.9/52

Out: 0.000+/-0.000 χ^2/NDF:55.6/58

All: -0.000+/-0.000 χ^2/NDF: 118.8/111



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

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

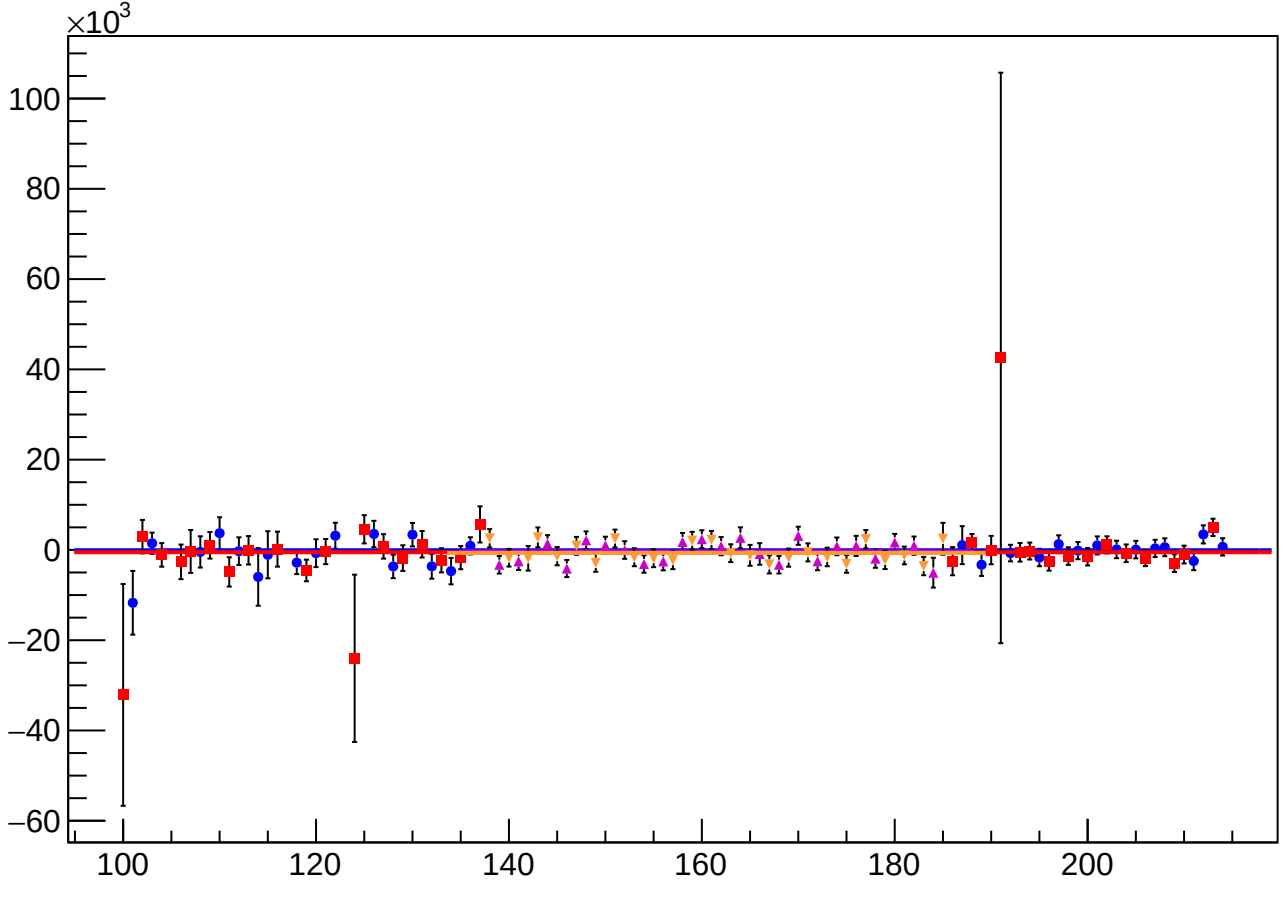
Right: 0.000+/-0.000 χ^2/NDF: 12163954.1/63

In: 0.000+/-0.000 χ^2/NDF:18915417.0/52

Out: 0.000+/-0.000 χ^2/NDF:18878696.2/58

All: 0.000+/-0.000 χ^2/NDF: 37803363.0/111

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

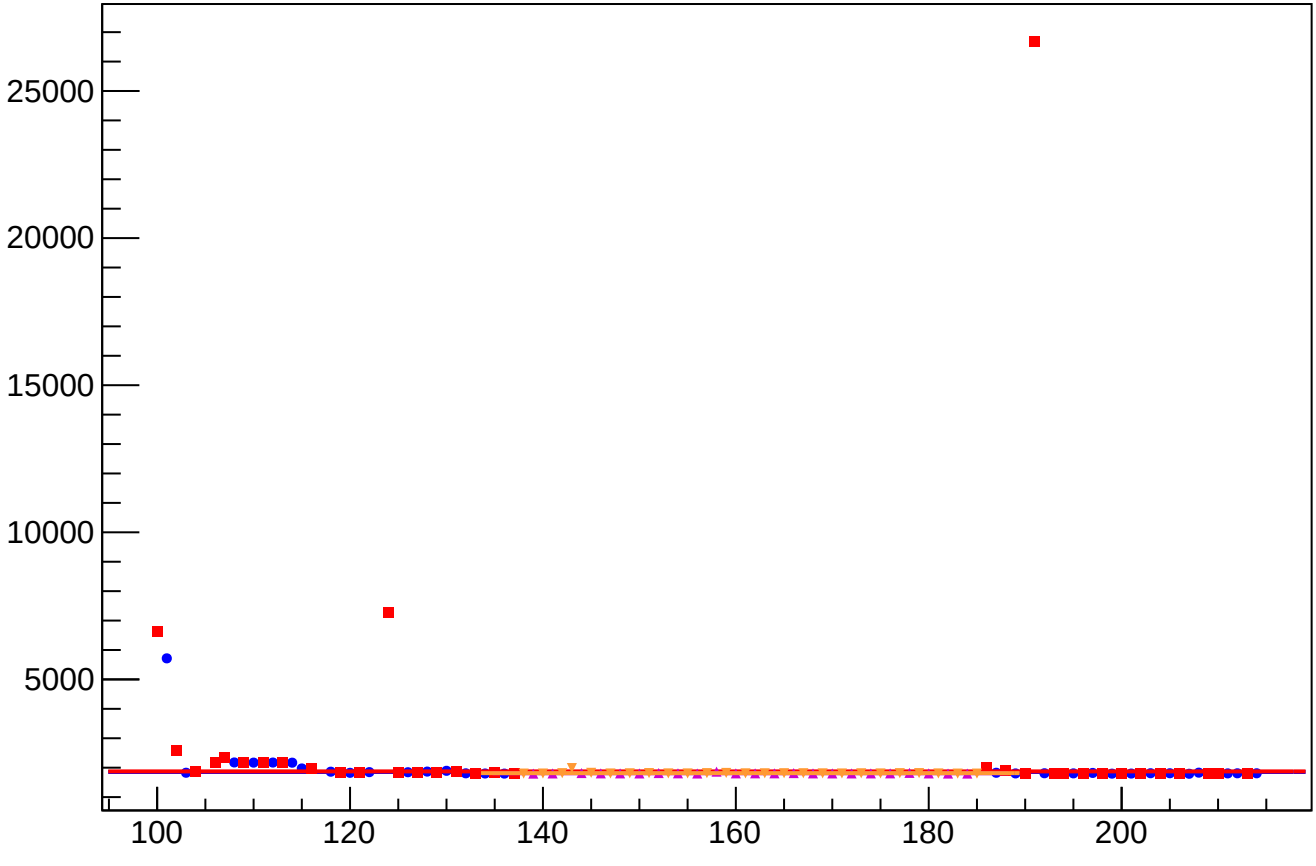
Right: -290.938+/-308.612 χ^2/NDF: 56.6/63

In: -209.014+/-303.746 χ^2/NDF:55.7/52

Out: -596.982+/-299.574 χ^2/NDF:55.5/58

All: -405.681+/-213.291 χ^2/NDF: 112.0/111

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

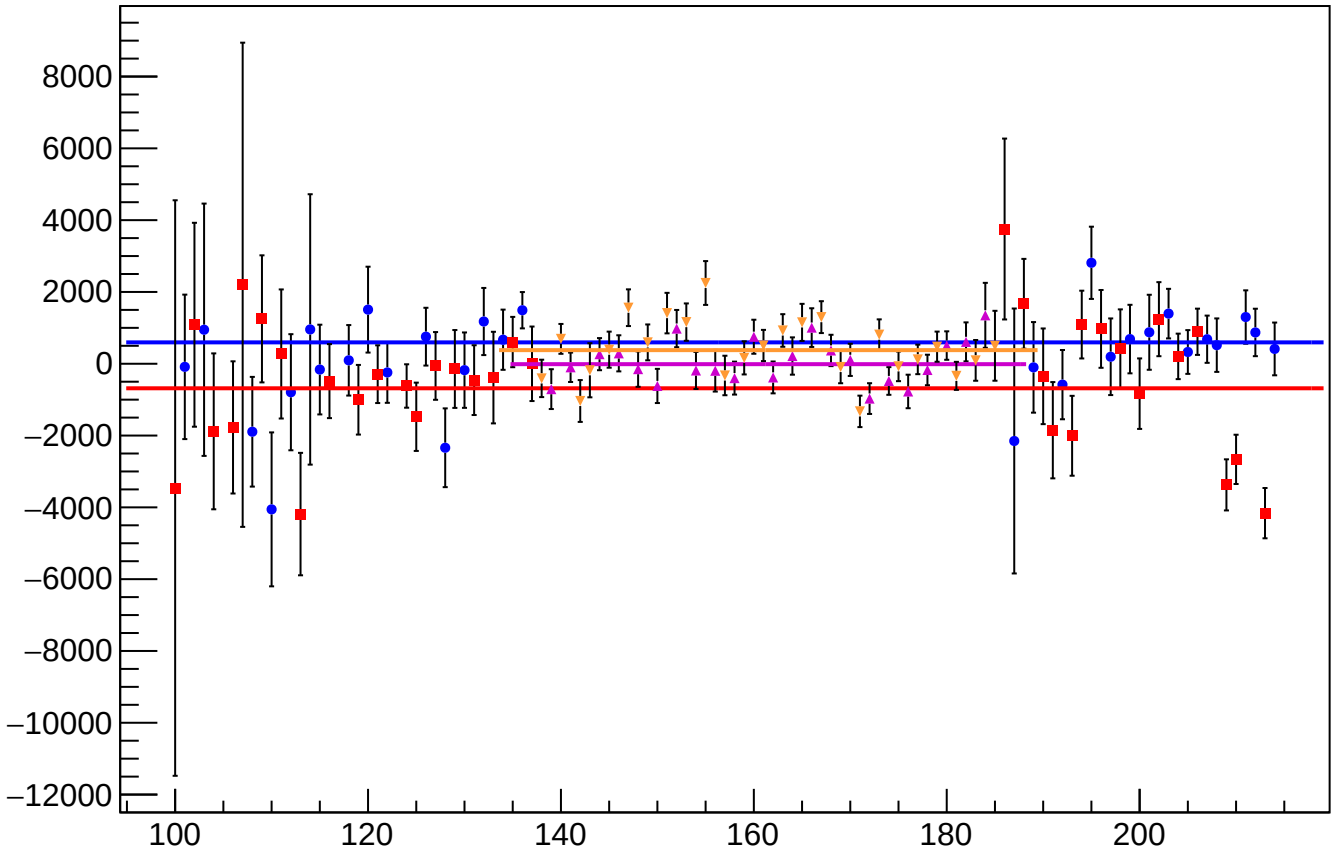
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1863.428+/-0.218 χ^2/NDF: 1435046.4/63

In: 1831.102+/-0.215 χ^2/NDF:689981.7/52

Out: 1842.390+/-0.212 χ^2/NDF:787278.0/58

All: 1836.824+/-0.151 χ^2/NDF: 1478659.9/11



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

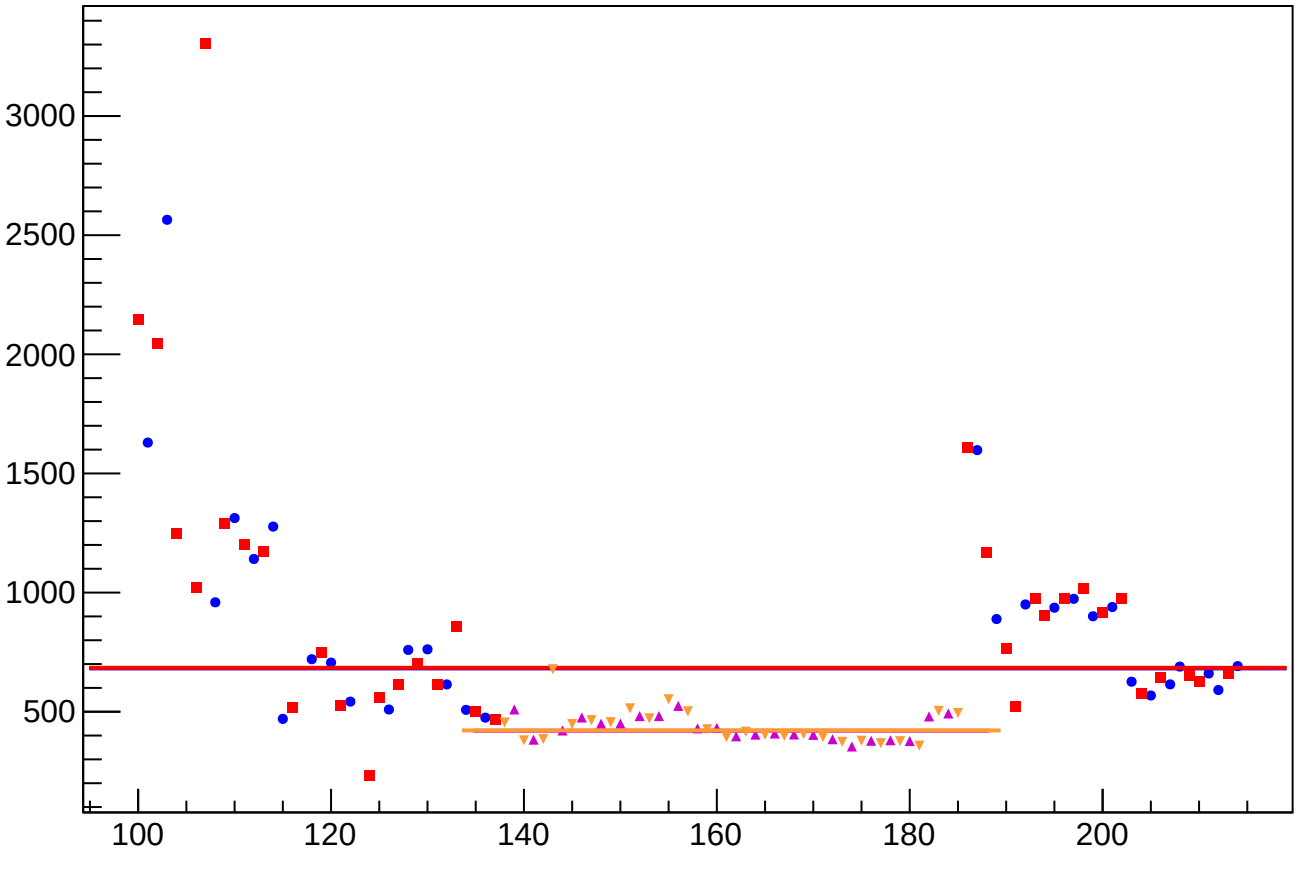
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -32.137+/-119.826 χ^2/NDF: 147.5/63

In: 145.004+/-85.266 χ^2/NDF:72.6/52

Out: 120.681+/-84.386 χ^2/NDF:178.7/58

All: 132.716+/-59.978 χ^2/NDF: 251.4/111



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

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

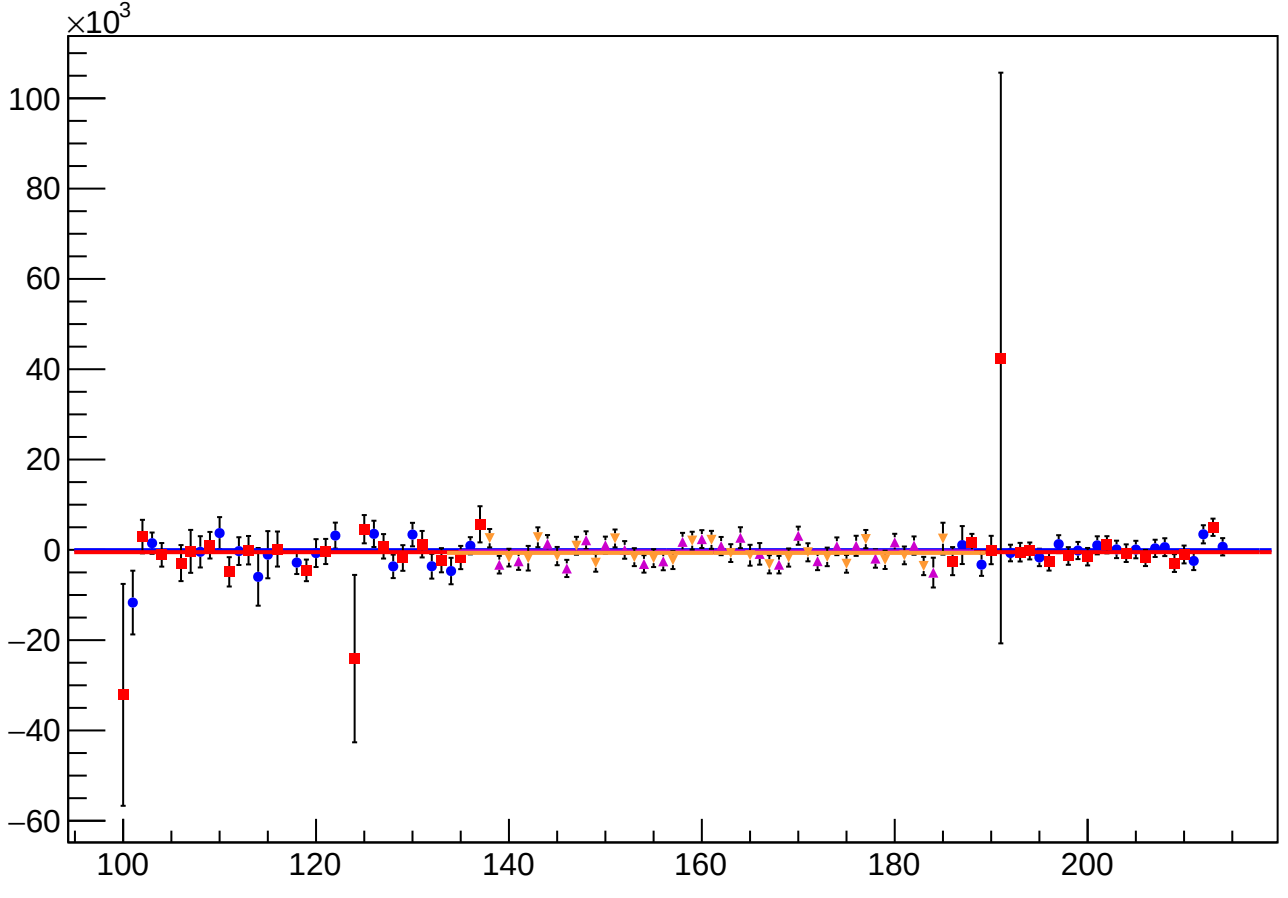
Right: 683.037+/-0.085 χ^2/NDF: 7808272.0/63

In: 487.697+/-0.060 χ^2/NDF:7125727.0/52

Out: 485.379+/-0.060 χ^2/NDF:9015323.5/58

All: 486.526+/-0.042 χ^2/NDF: 16141797.3/11

cor_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

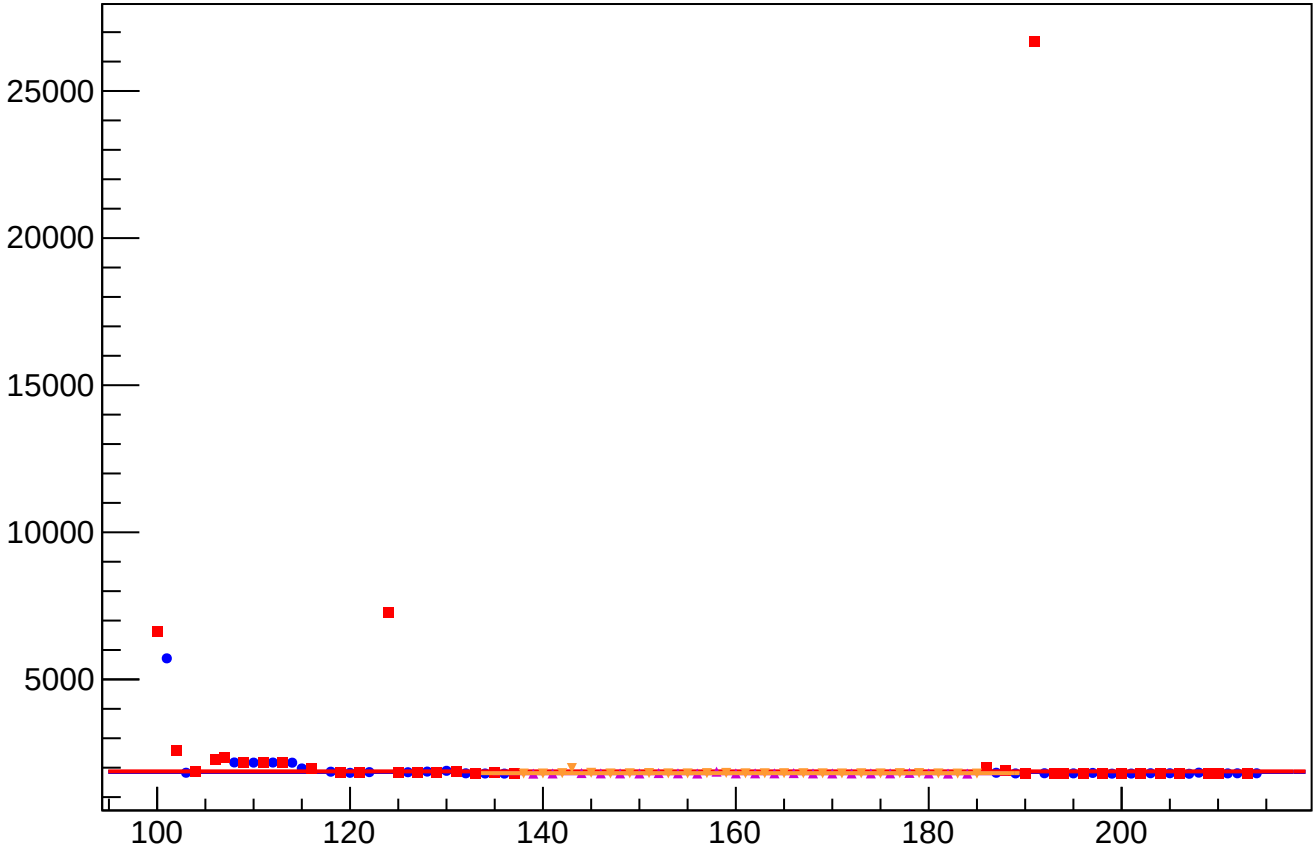
Right: -291.397+/-308.691 χ^2/NDF: 56.7/63

In: -208.867+/-303.746 χ^2/NDF:55.6/52

Out: -597.722+/-299.647 χ^2/NDF:55.6/58

All: -405.936+/-213.317 χ^2/NDF: 112.1/111

cor_asym_at1_dd_rms vs Slug, Sign Corrected



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

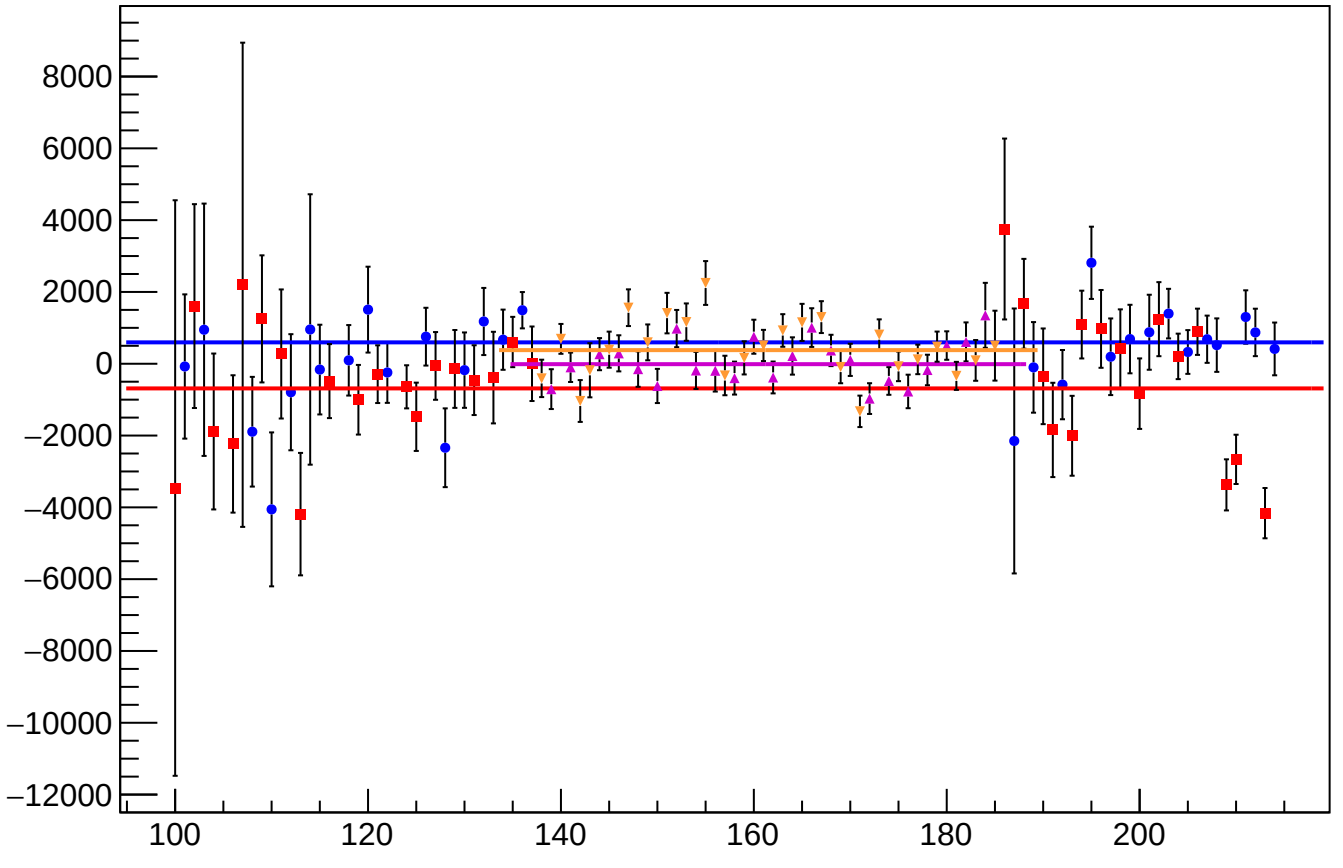
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1863.752+/-0.218 χ^2/NDF: 1441417.7/63

In: 1831.102+/-0.215 χ^2/NDF:689981.6/52

Out: 1842.685+/-0.212 χ^2/NDF:793930.9/58

All: 1836.972+/-0.151 χ^2/NDF: 1485386.5/11



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

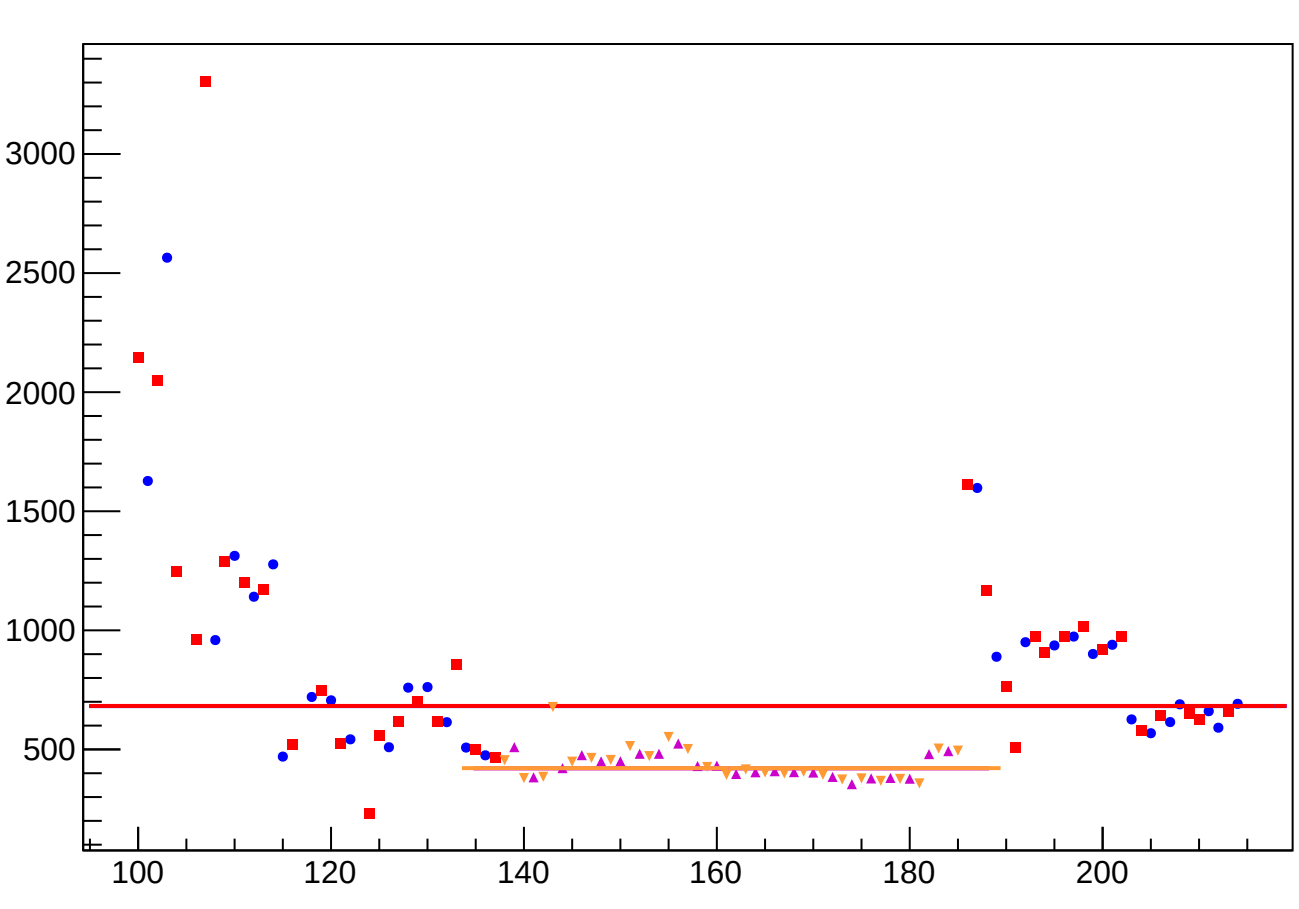
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -34.230+/-119.789 χ^2/NDF: 148.2/63

In: 145.020+/-85.265 χ^2/NDF:72.6/52

Out: 119.559+/-84.373 χ^2/NDF:179.5/58

All: 132.156+/-59.974 χ^2/NDF: 252.2/111



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

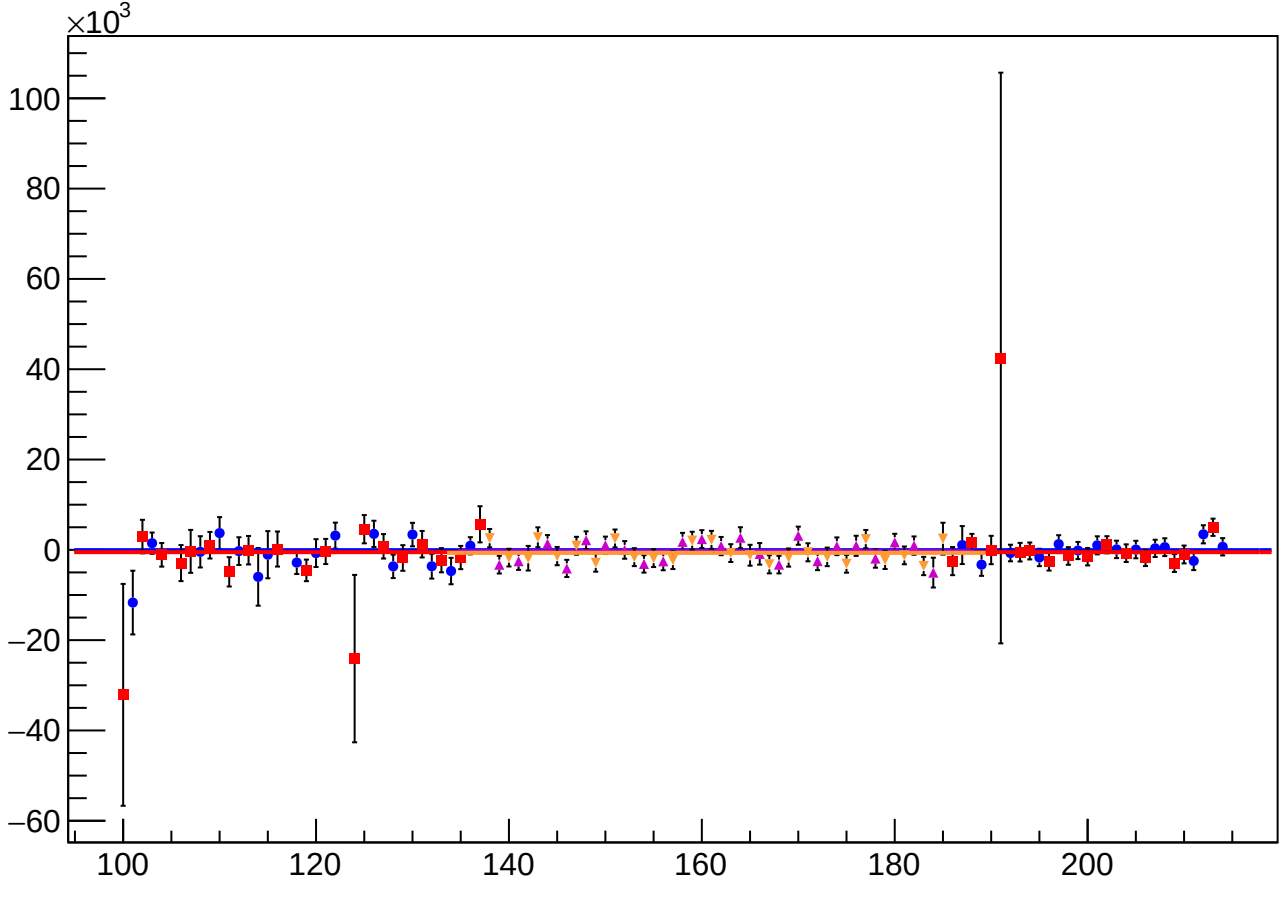
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 682.213+/-0.085 χ^2/NDF: 7815717.3/63

In: 487.694+/-0.060 χ^2/NDF:7125128.3/52

Out: 485.033+/-0.060 χ^2/NDF:8981464.7/58

All: 486.350+/-0.042 χ^2/NDF: 16107577.4/11



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

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

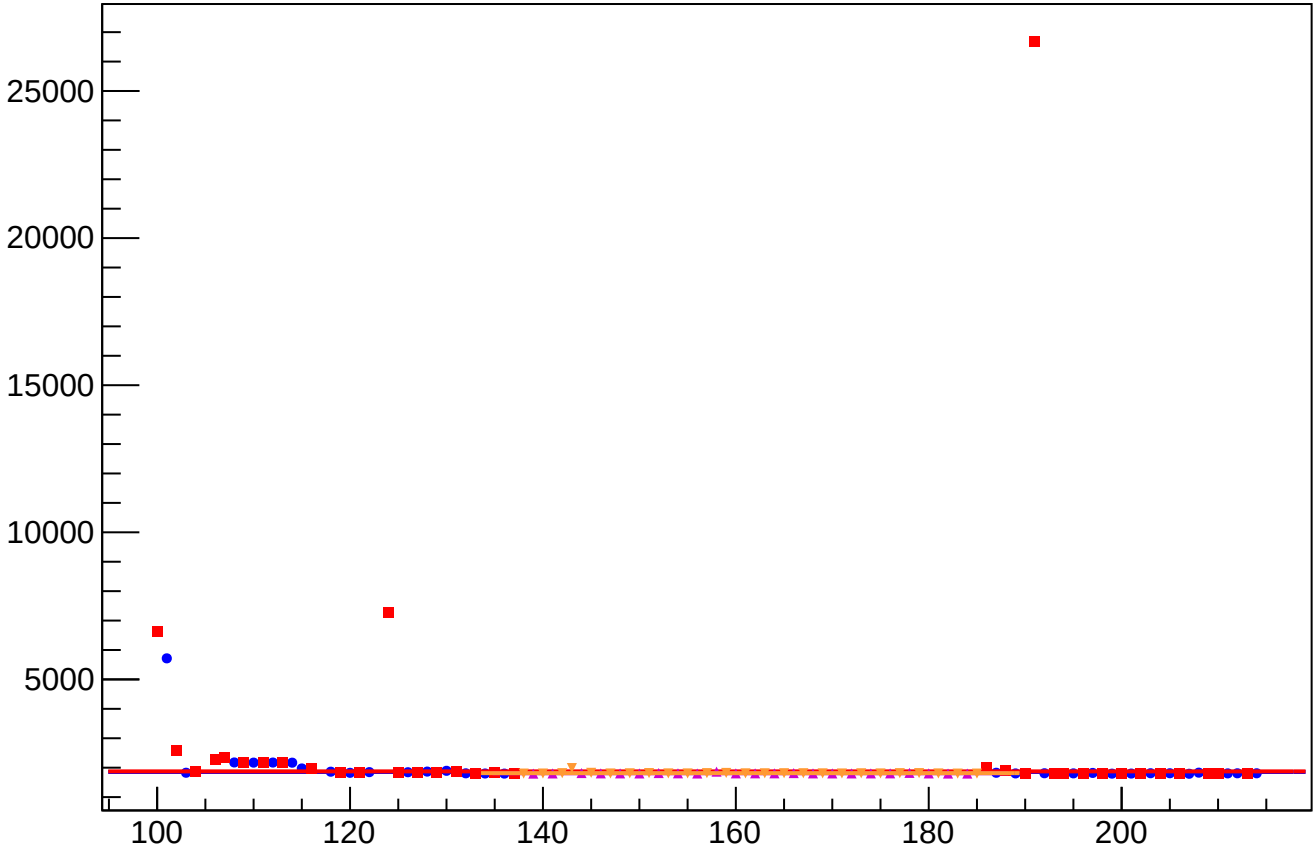
Right: -291.397+/-308.691 χ^2/NDF: 56.7/63

In: -208.867+/-303.746 χ^2/NDF:55.6/52

Out: -597.722+/-299.647 χ^2/NDF:55.6/58

All: -405.936+/-213.317 χ^2/NDF: 112.1/111

eigen_cor_asym_at1_dd_rms vs Slug, Sign Corrected



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

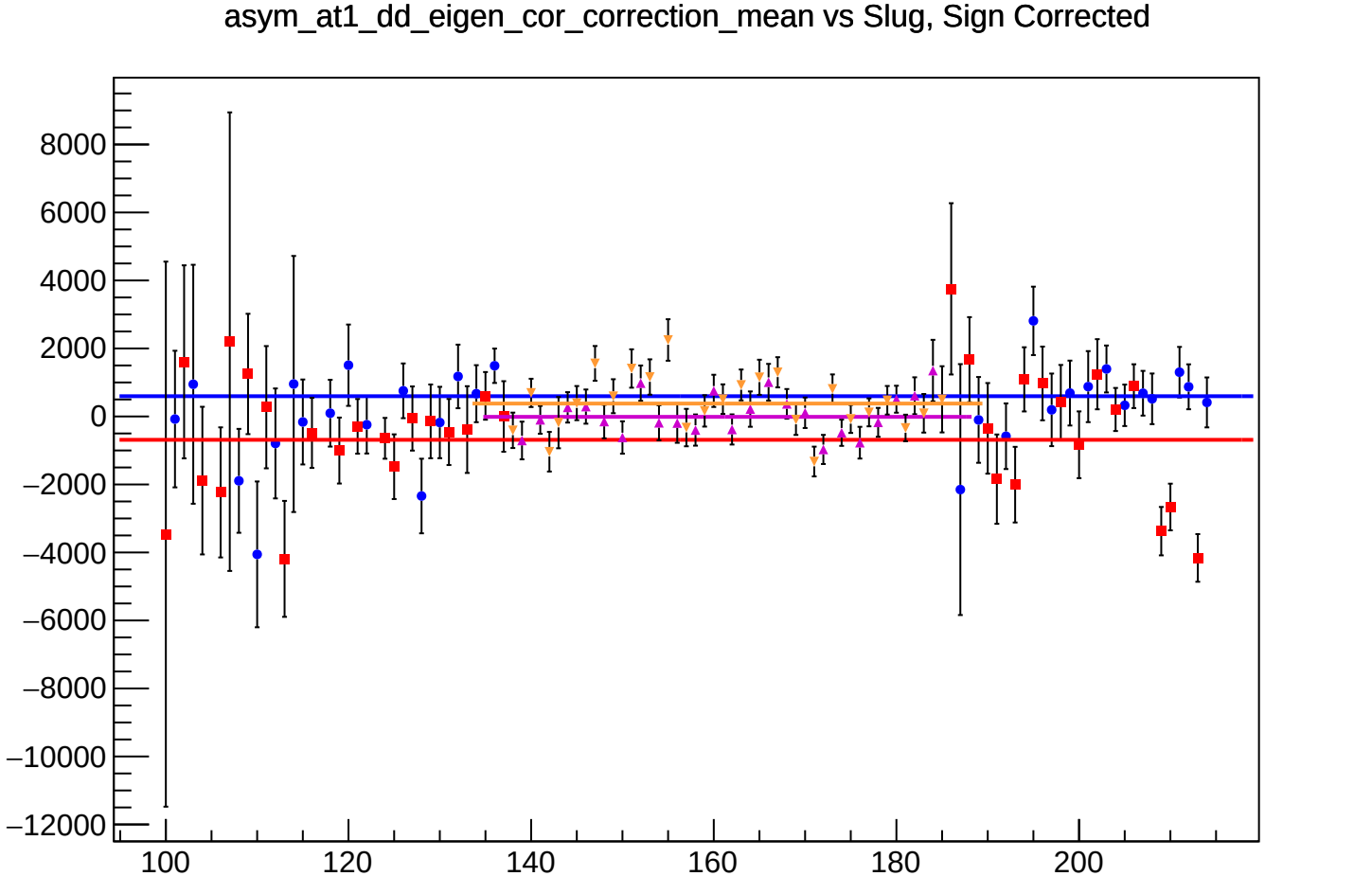
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1863.752+/-0.218 χ^2/NDF: 1441417.7/63

In: 1831.102+/-0.215 χ^2/NDF:689981.6/52

Out: 1842.685+/-0.212 χ^2/NDF:793930.9/58

All: 1836.972+/-0.151 χ^2/NDF: 1485386.5/11



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

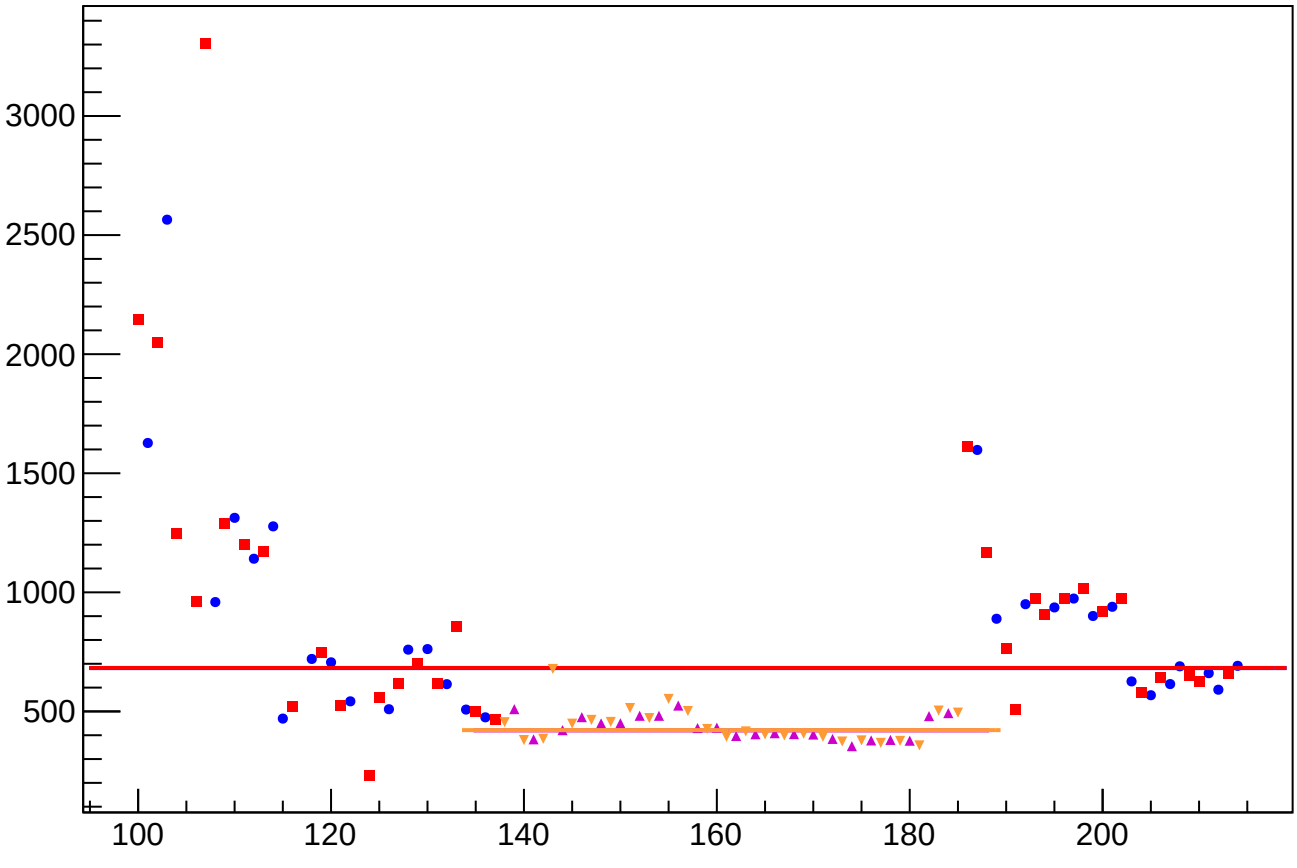
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -34.230+/-119.789 χ^2/NDF: 148.2/63

In: 145.020+/-85.265 χ^2/NDF:72.6/52

Out: 119.559+/-84.373 χ^2/NDF:179.5/58

All: 132.156+/-59.974 χ^2/NDF: 252.2/111



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

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

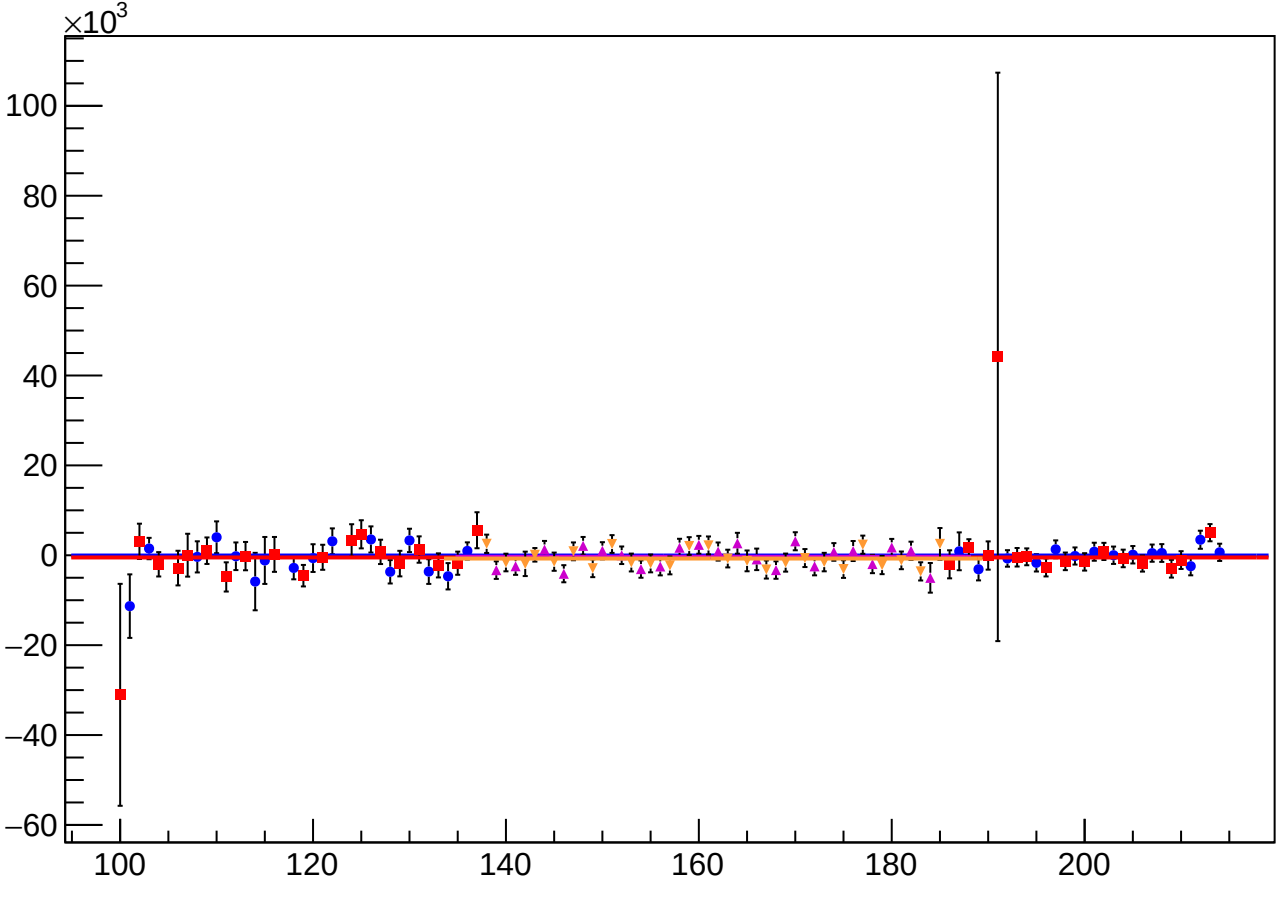
Right: 682.213+/-0.085 χ^2/NDF: 7815717.3/63

In: 487.694+/-0.060 χ^2/NDF:7125128.3/52

Out: 485.033+/-0.060 χ^2/NDF:8981464.7/58

All: 486.350+/-0.042 χ^2/NDF: 16107577.4/1

dit_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

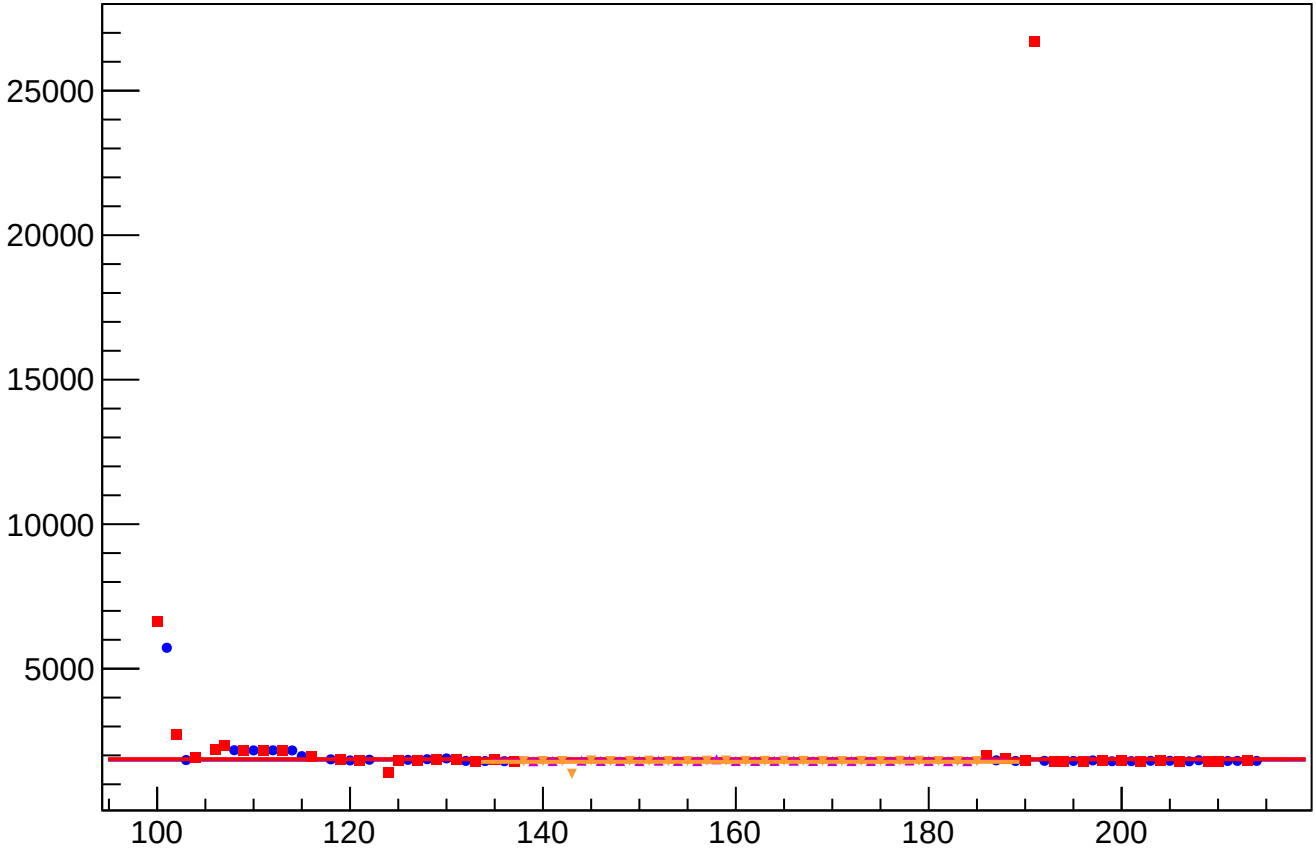
Right: -272.592+/-308.115 χ^2/NDF: 55.7/63

In: -203.953+/-303.951 χ^2/NDF:54.8/52

Out: -613.338+/-295.965 χ^2/NDF:52.7/58

All: -414.094+/-212.046 χ^2/NDF: 108.4/111

dit_asym_at1_dd_rms vs Slug, Sign Corrected



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

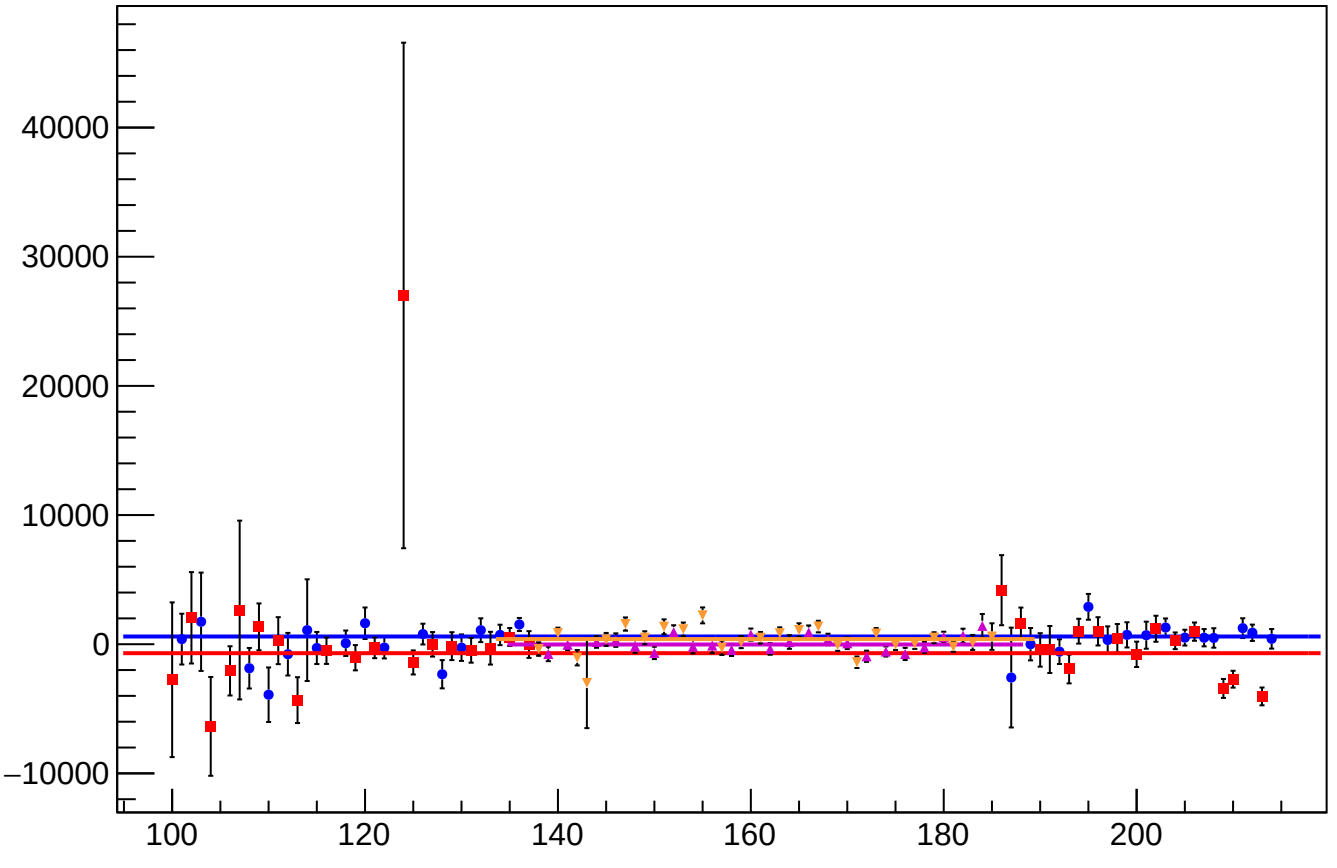
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1861.132+/-0.218 χ^2/NDF: 1314774.8/63

In: 1832.276+/-0.215 χ^2/NDF:690322.5/52

Out: 1818.765+/-0.209 χ^2/NDF:843850.3/58

All: 1825.341+/-0.150 χ^2/NDF: 1536201.3/11



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

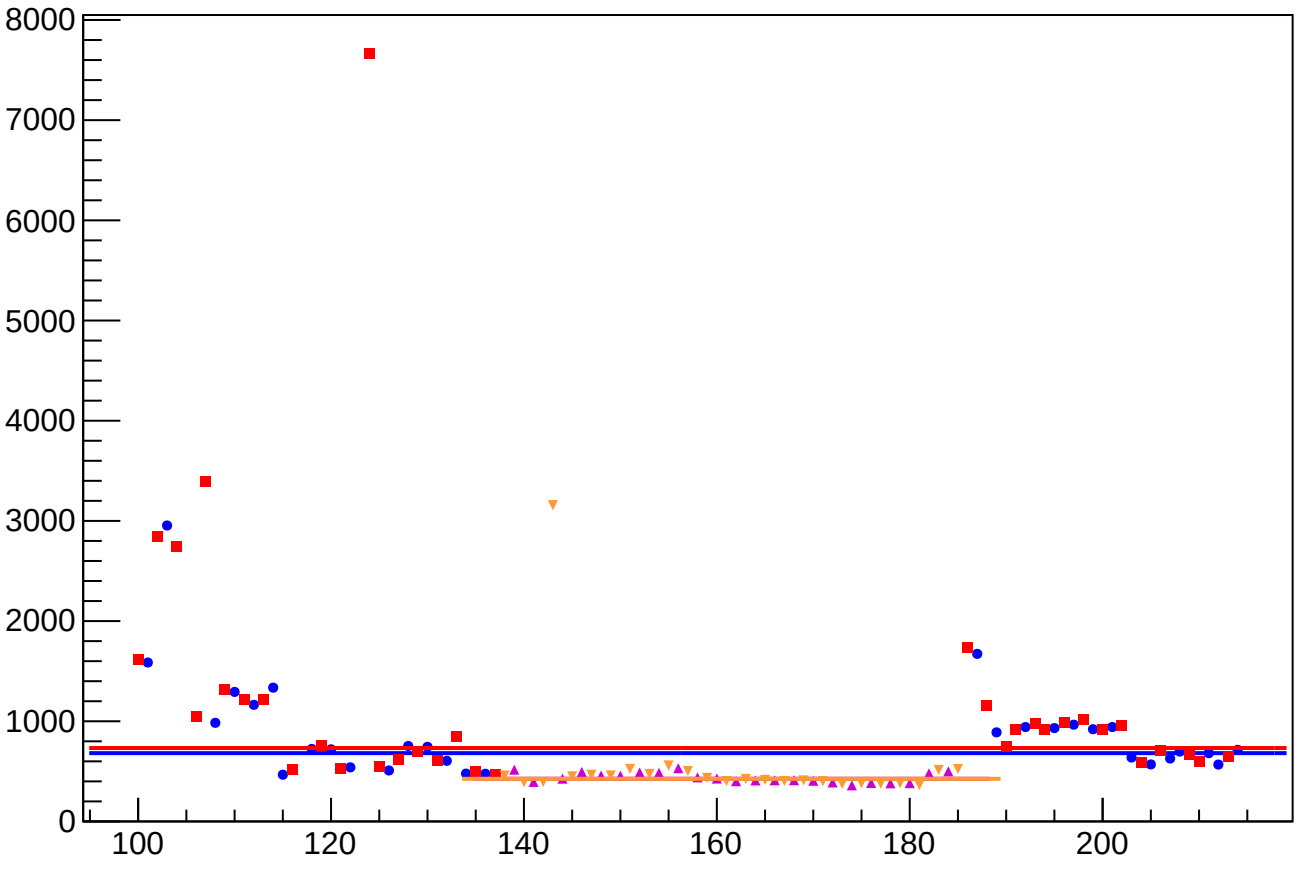
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: -3.109+/-122.908 χ^2/NDF: 149.1/63

In: 141.040+/-86.096 χ^2/NDF:72.6/52

Out: 144.451+/-86.889 χ^2/NDF:178.6/58

All: 142.730+/-61.157 χ^2/NDF: 251.2/111



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

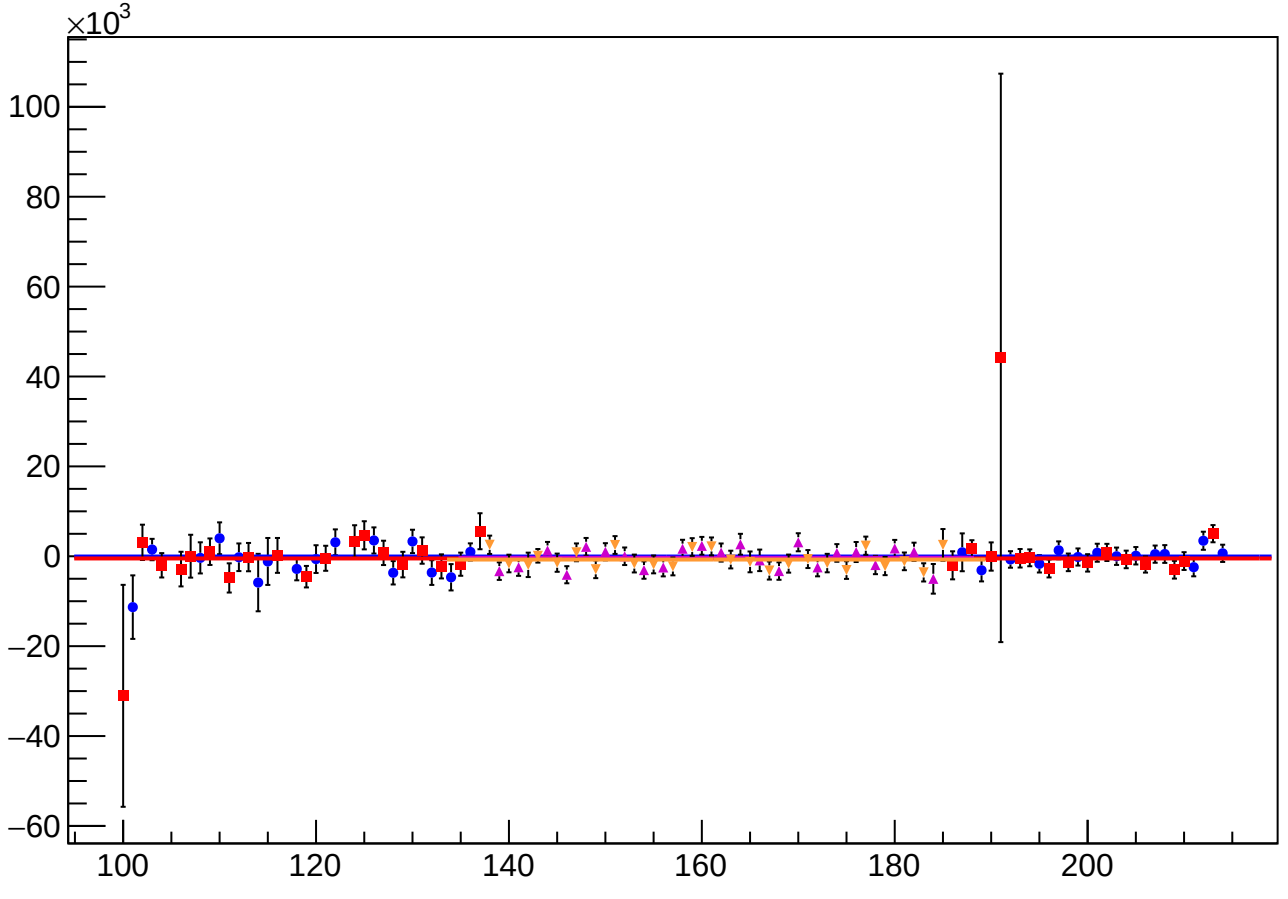
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 705.608+/-0.087 χ^2/NDF: 7896533.5/63

In: 493.298+/-0.061 χ^2/NDF:7148686.5/52

Out: 497.072+/-0.061 χ^2/NDF:10672013.4/58

All: 495.168+/-0.043 χ^2/NDF: 17822604.1/11



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

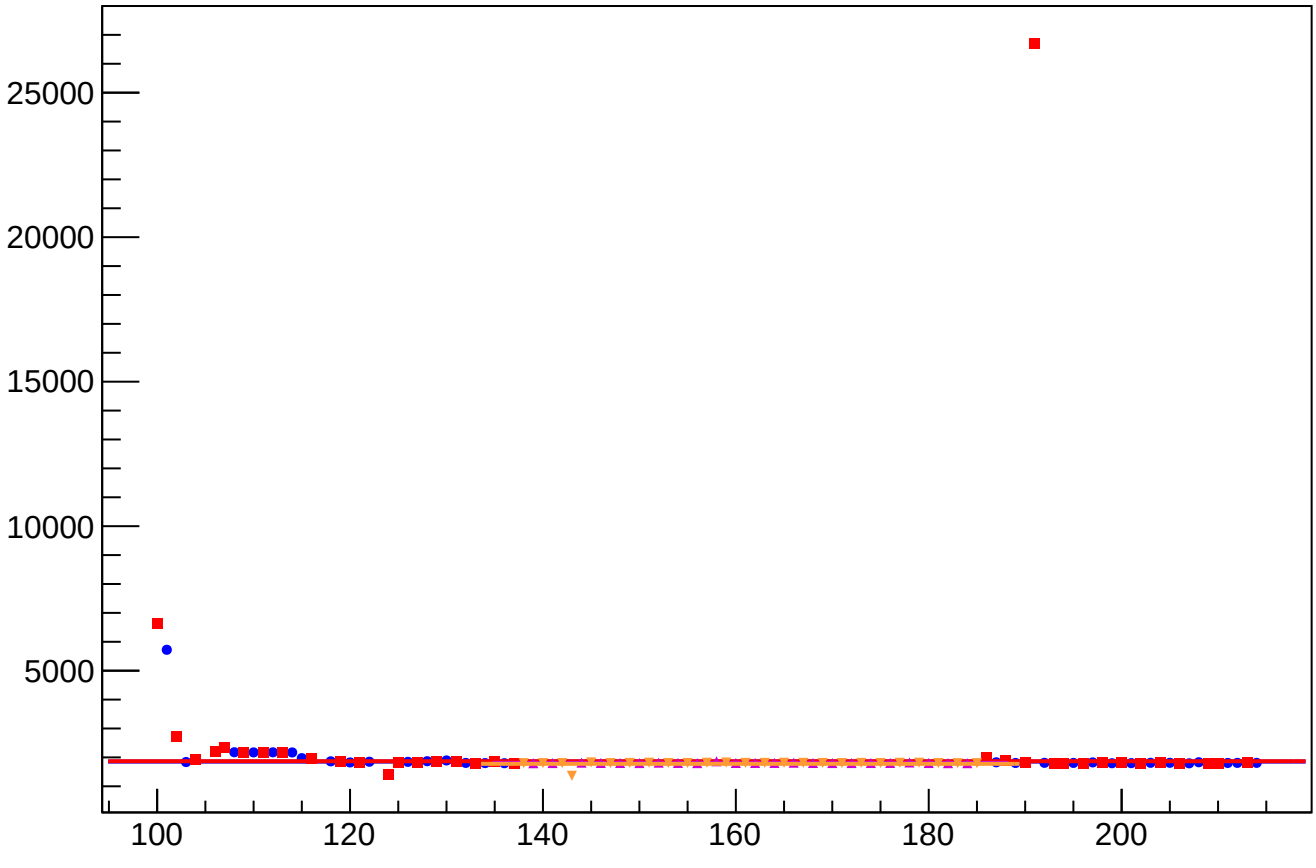
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -272.593+/-308.115 χ^2/NDF: 55.7/63

In: -203.954+/-303.951 χ^2/NDF:54.8/52

Out: -613.338+/-295.965 χ^2/NDF:52.7/58

All: -414.094+/-212.046 χ^2/NDF: 108.4/111



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

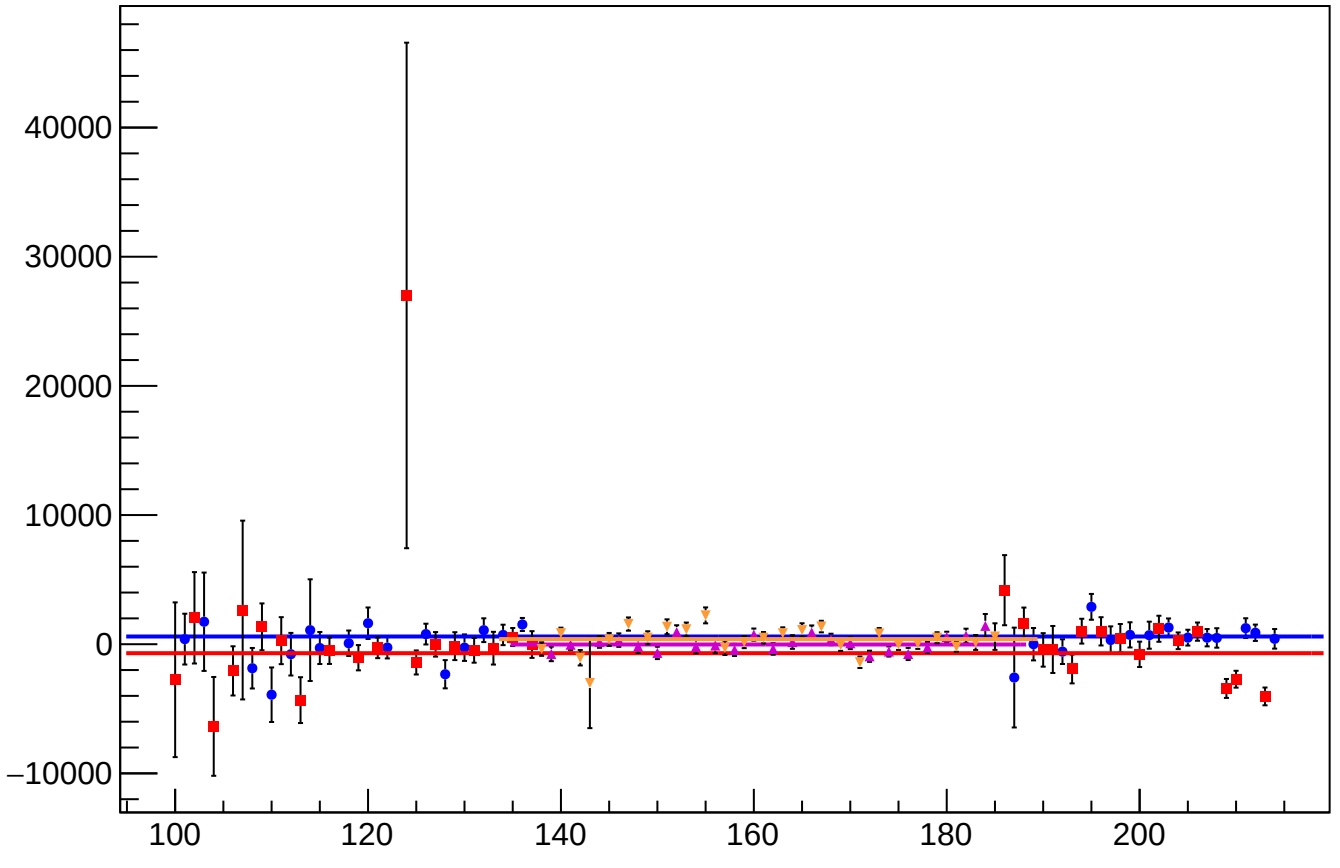
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1861.132+/-0.218 χ^2/NDF: 1314774.6/63

In: 1832.276+/-0.215 χ^2/NDF:690322.5/52

Out: 1818.765+/-0.209 χ^2/NDF:843850.1/58

All: 1825.341+/-0.150 χ^2/NDF: 1536201.1/11



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

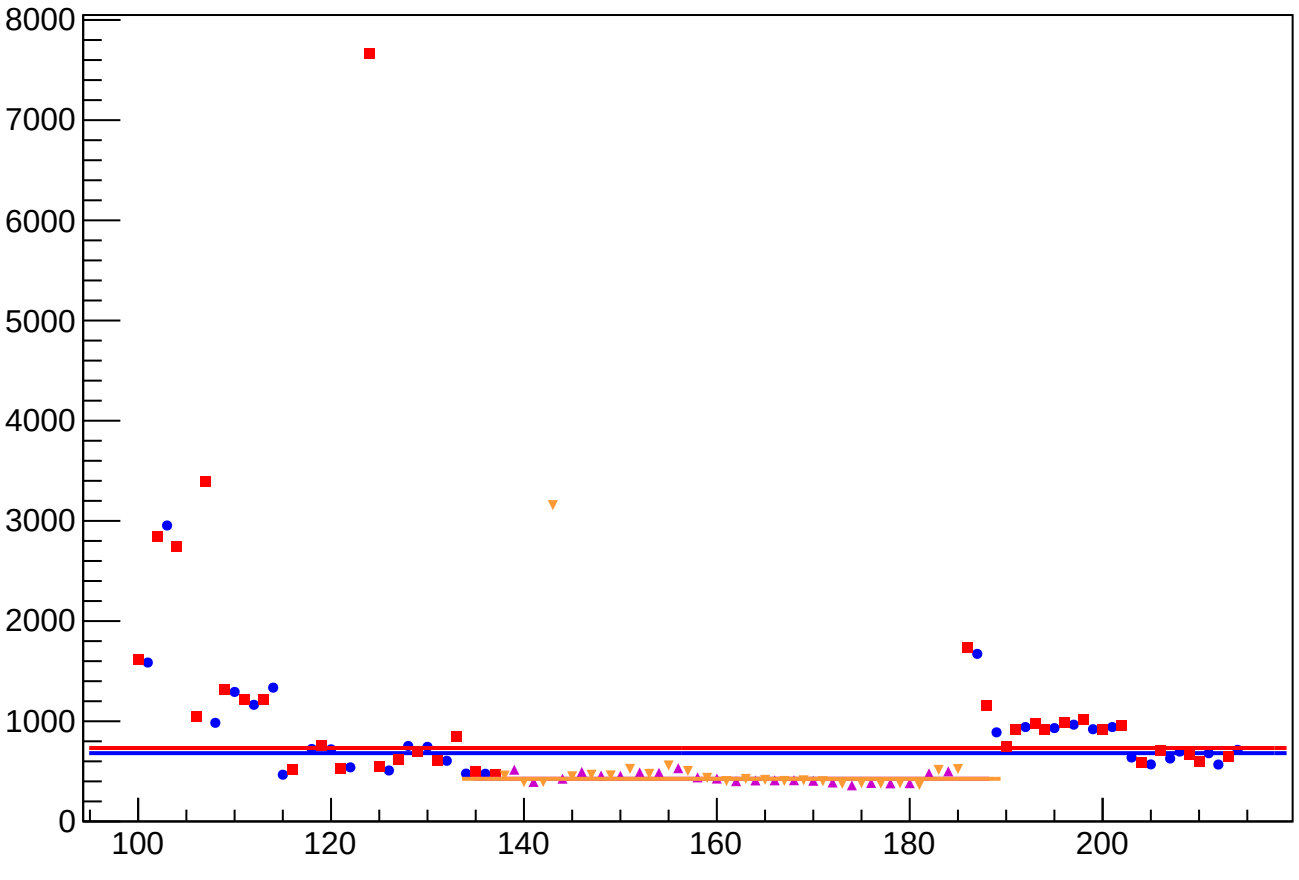
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: -3.109+/-122.908 χ^2/NDF: 149.1/63

In: 141.040+/-86.096 χ^2/NDF:72.6/52

Out: 144.452+/-86.889 χ^2/NDF:178.6/58

All: 142.730+/-61.157 χ^2/NDF: 251.2/111



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

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

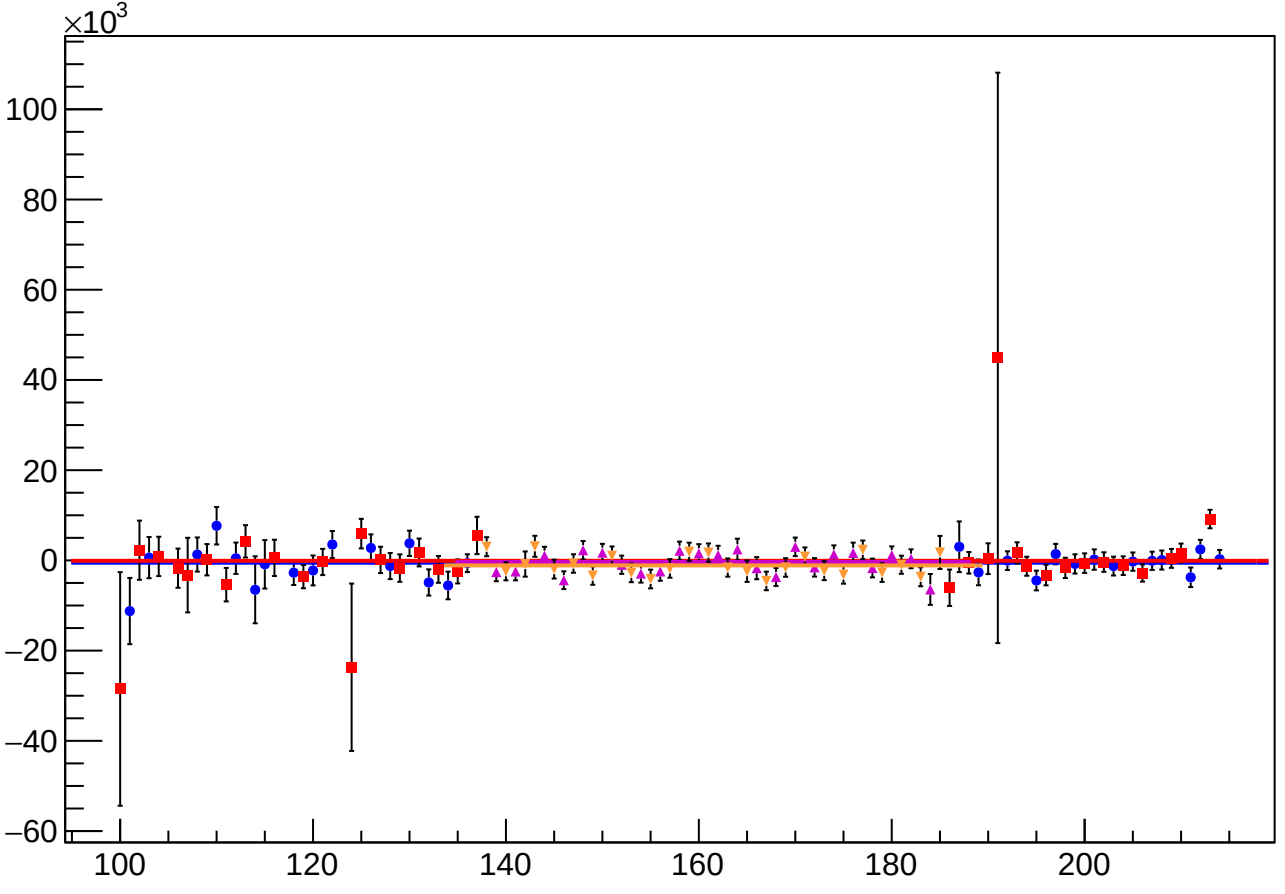
Right: 705.608+/-0.087 χ^2/NDF: 7896531.5/63

In: 493.298+/-0.061 χ^2/NDF:7148701.5/52

Out: 497.072+/-0.061 χ^2/NDF:10672032.8/58

All: 495.167+/-0.043 χ^2/NDF: 17822638.4/1

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

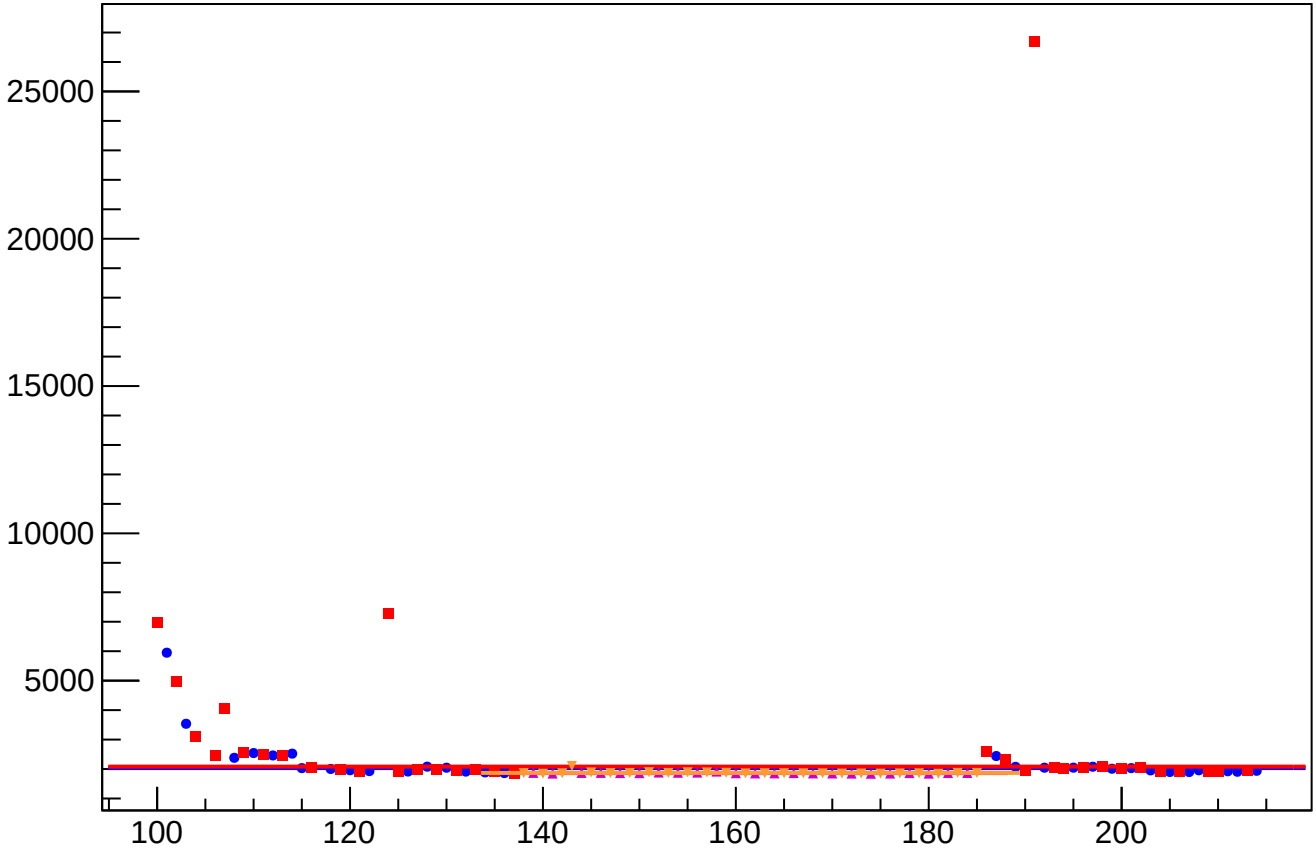
Right: -305.318+/-342.613 χ^2/NDF: 73.7/63

In: -422.284+/-322.583 χ^2/NDF:56.9/52

Out: -668.228+/-320.409 χ^2/NDF:75.8/58

All: -546.087+/-227.328 χ^2/NDF: 133.0/111

asym_at1_dd_rms vs Slug, Sign Corrected



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

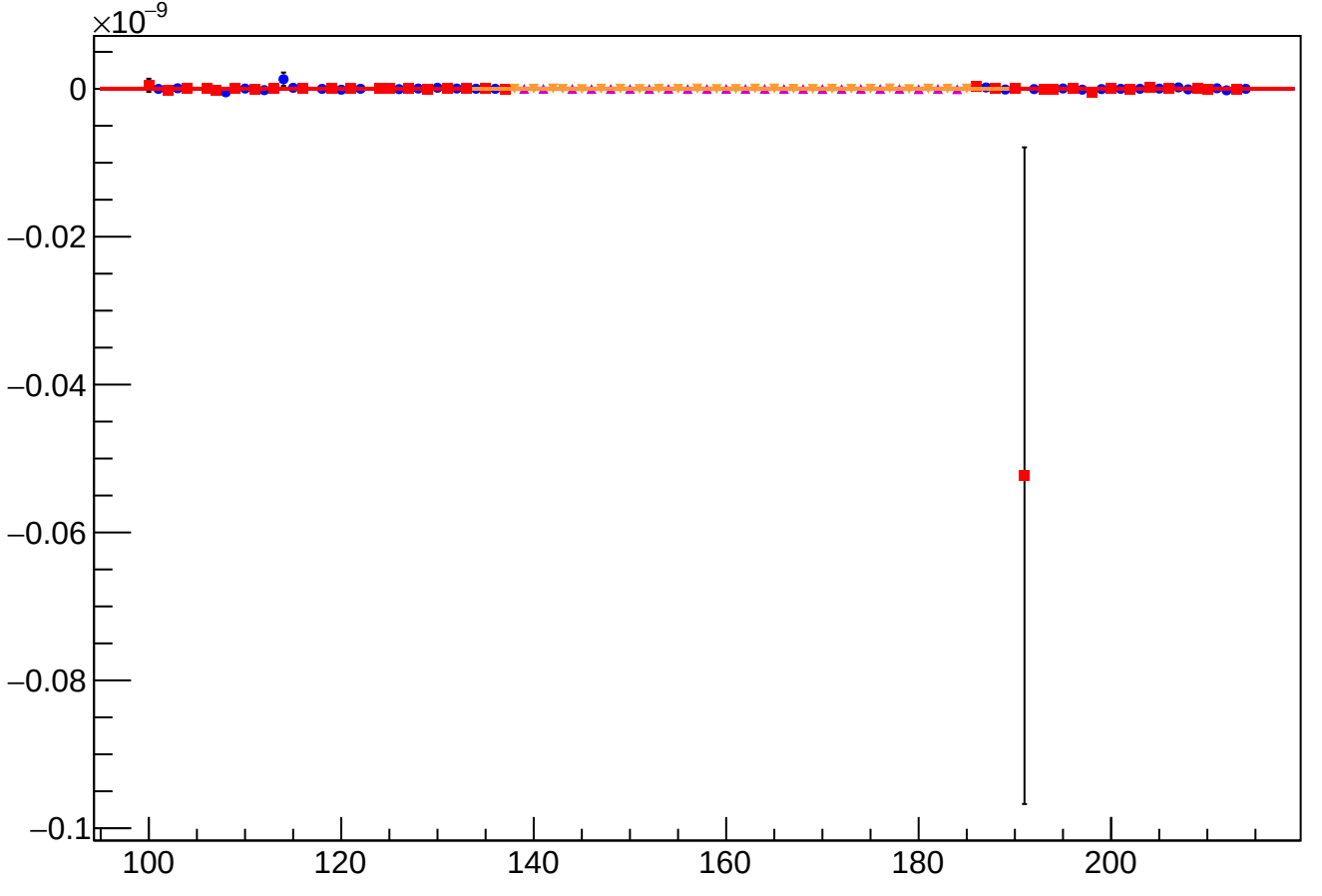
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2056.848+/-0.242 χ^2/NDF: 2366648.5/63

In: 1939.037+/-0.228 χ^2/NDF:1091578.6/52

Out: 1960.810+/-0.227 χ^2/NDF:1644239.6/58

All: 1949.997+/-0.161 χ^2/NDF: 2740404.3/11



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

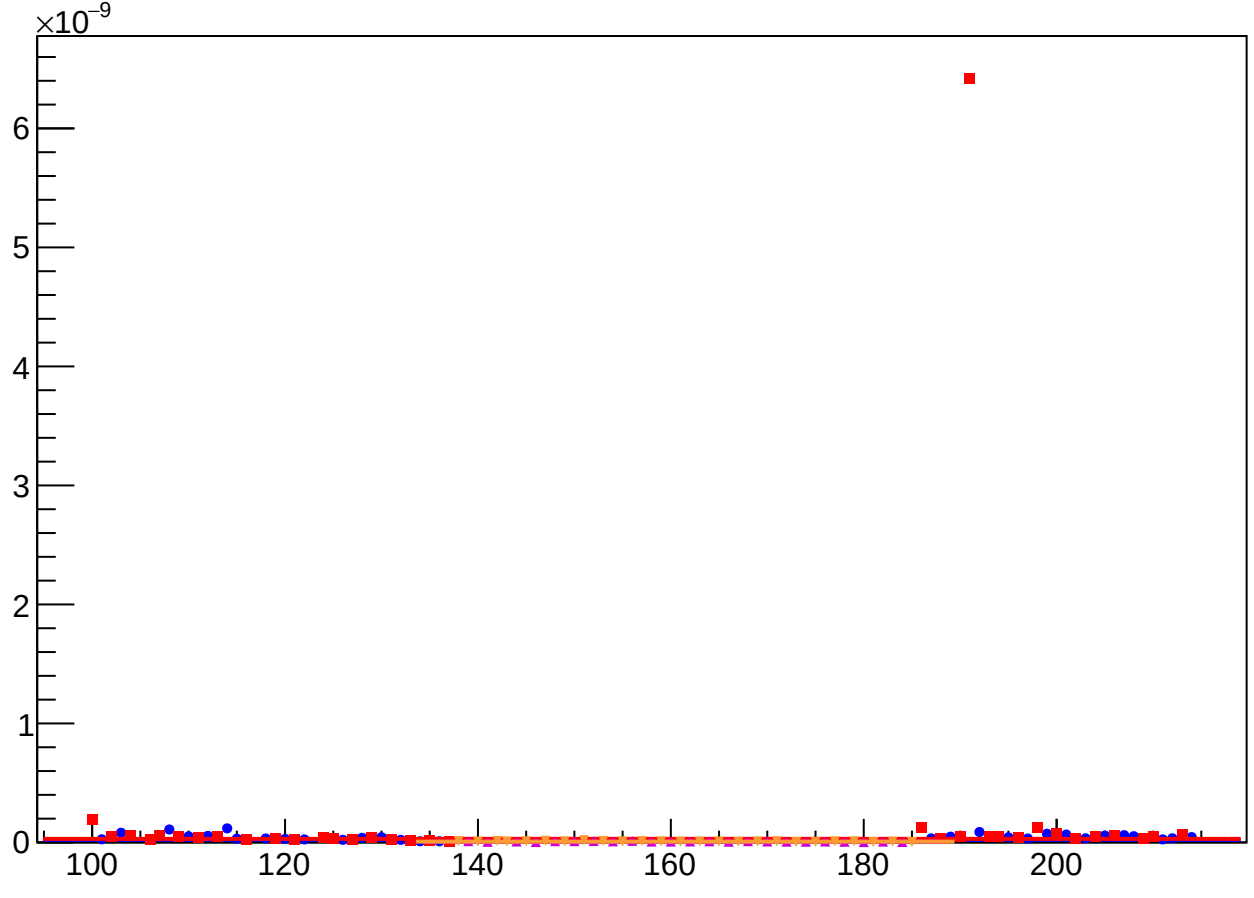
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 71.9/63

In: -0.000+/-0.000 χ^2/NDF:54.2/52

Out: 0.000+/-0.000 χ^2/NDF:77.6/58

All: -0.000+/-0.000 χ^2/NDF: 133.8/111



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

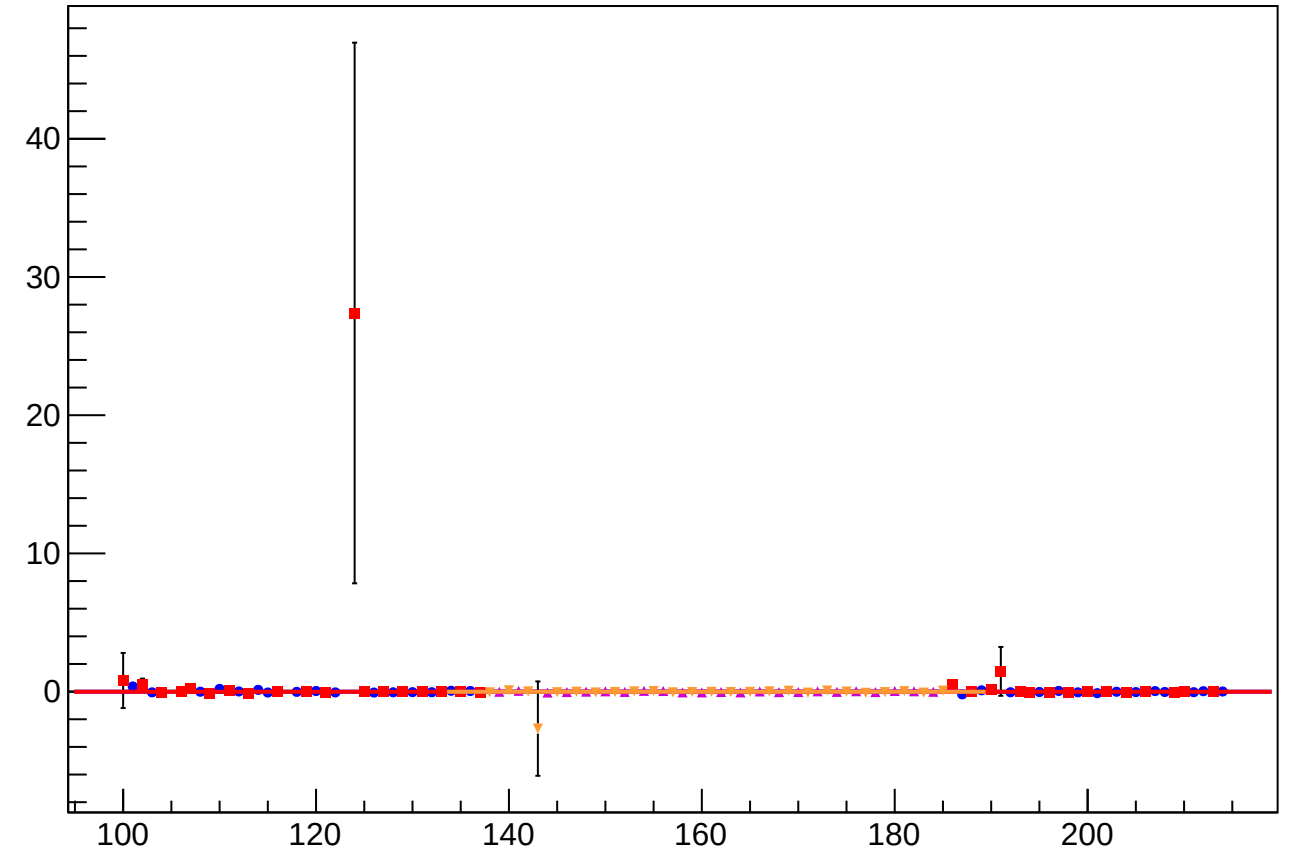
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 9571398.5/63

In: 0.000+/-0.000 χ^2/NDF:10612998.1/52

Out: 0.000+/-0.000 χ^2/NDF:11453364.6/58

All: 0.000+/-0.000 χ^2/NDF: 22067584.3/111



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

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

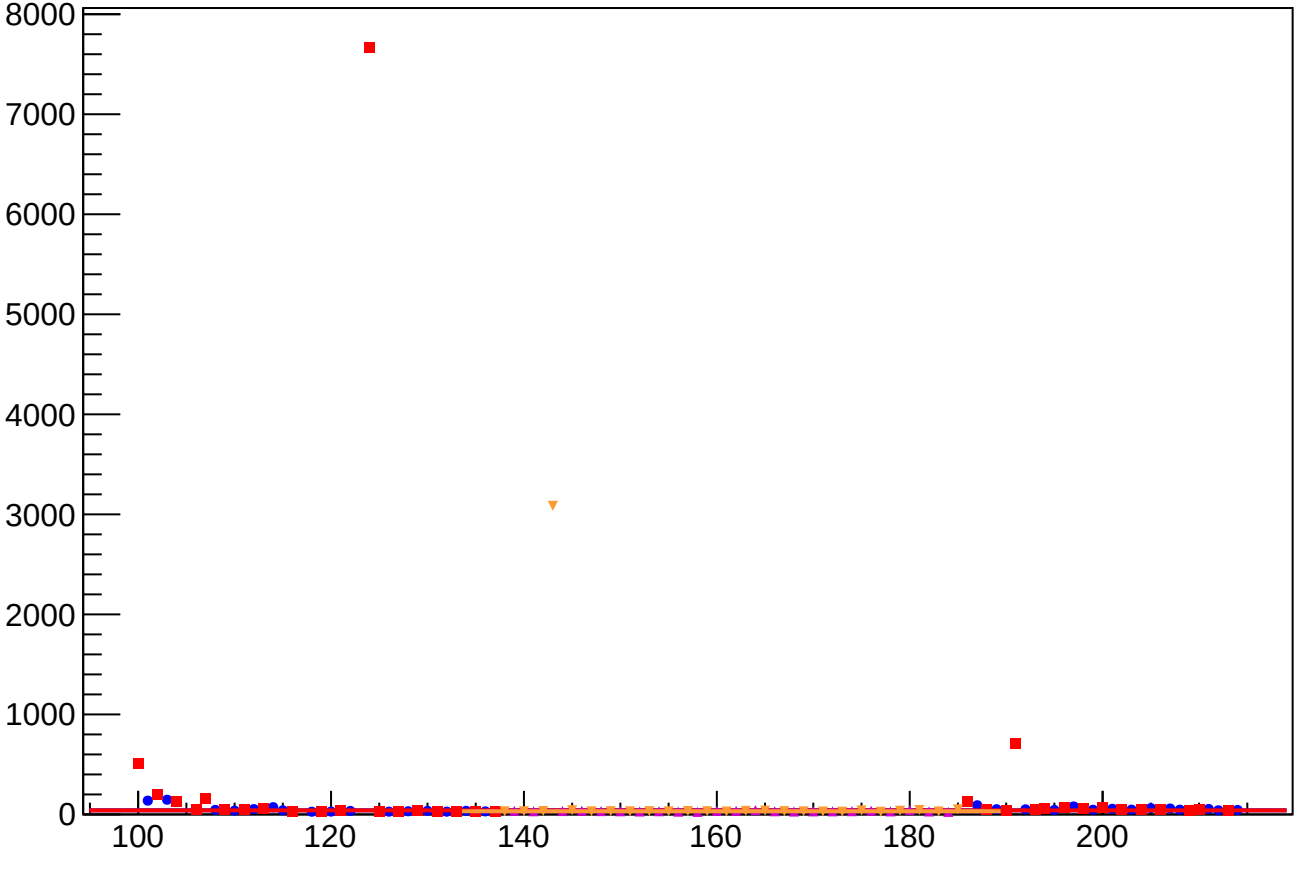
Right: -0.007+/-0.008 χ^2/NDF: 57.7/63

In: -0.004+/-0.007 χ^2/NDF:50.3/52

Out: -0.009+/-0.007 χ^2/NDF:67.7/58

All: -0.007+/-0.005 χ^2/NDF: 118.3/111

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

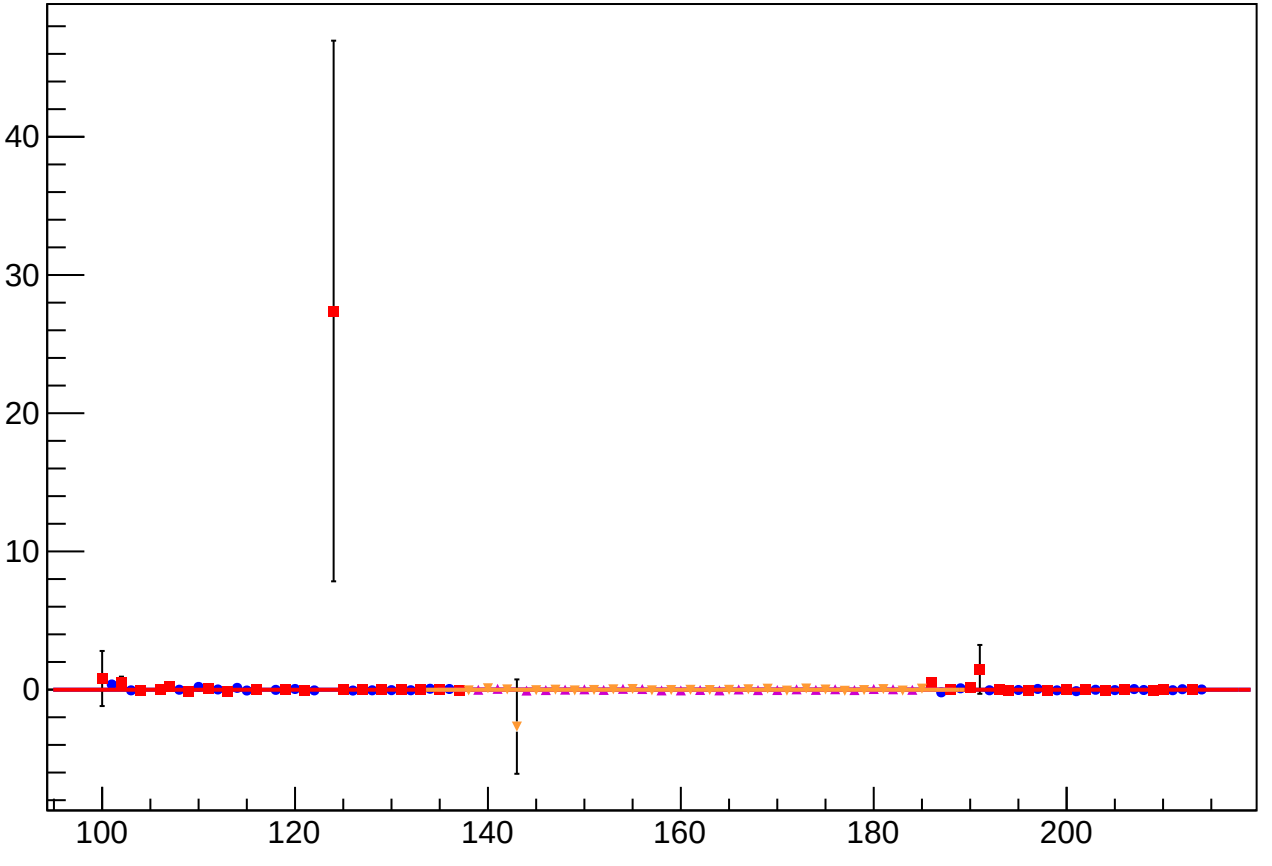
Right: 41.130+/-0.006 χ^2/NDF: 7721227.7/63

In: 35.641+/-0.005 χ^2/NDF:4628293.7/52

Out: 35.333+/-0.005 χ^2/NDF:7253812.3/58

All: 35.487+/-0.003 χ^2/NDF: 11884267.0/111

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

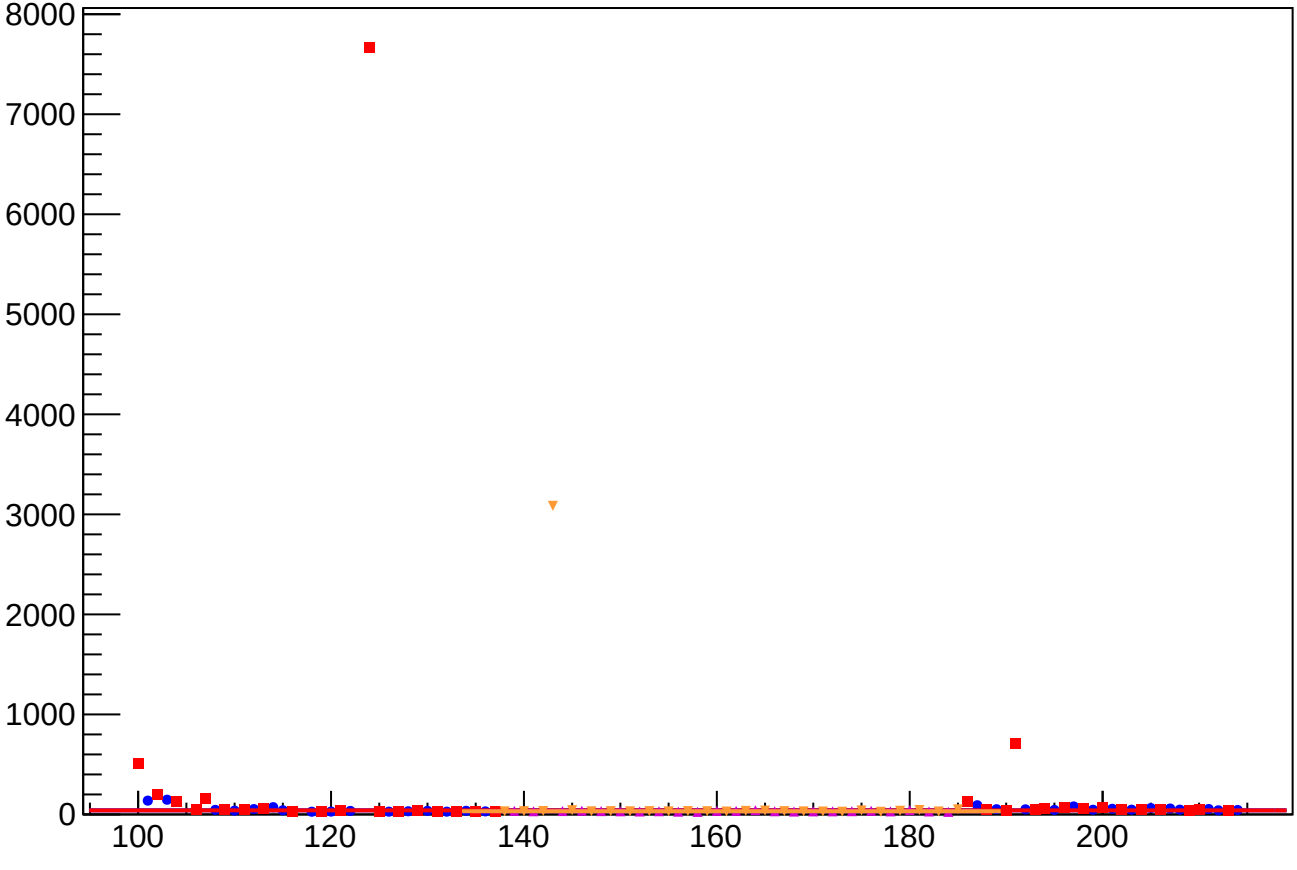
Right: -0.007+/-0.008 χ^2/NDF: 57.7/63

In: -0.004+/-0.007 χ^2/NDF:50.3/52

Out: -0.009+/-0.007 χ^2/NDF:67.7/58

All: -0.007+/-0.005 χ^2/NDF: 118.3/111

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

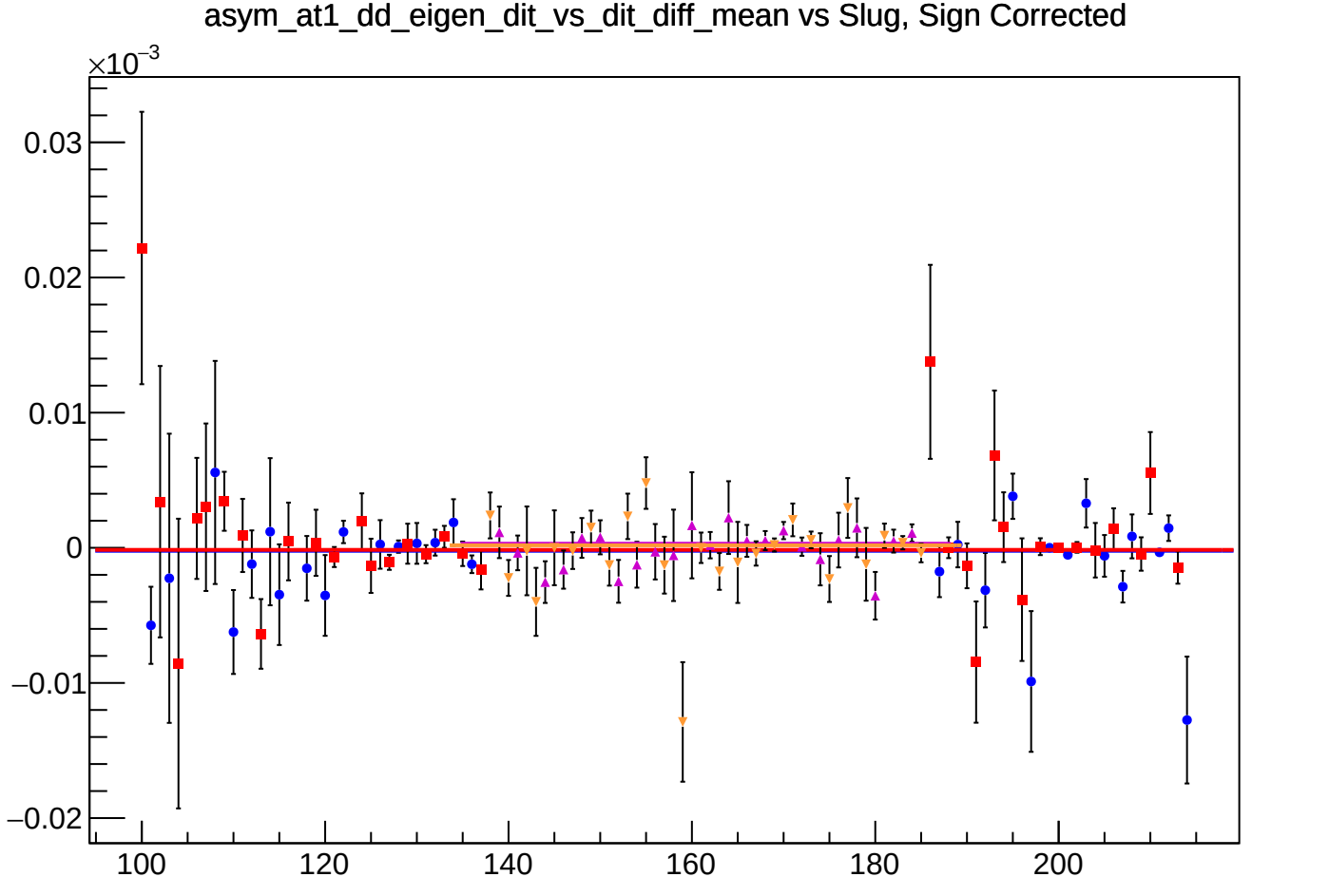
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 41.130+/-0.006 χ^2/NDF: 7721227.7/63

In: 35.641+/-0.005 χ^2/NDF:4628293.7/52

Out: 35.333+/-0.005 χ^2/NDF:7253812.3/58

All: 35.487+/-0.003 χ^2/NDF: 11884267.0/111



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

Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

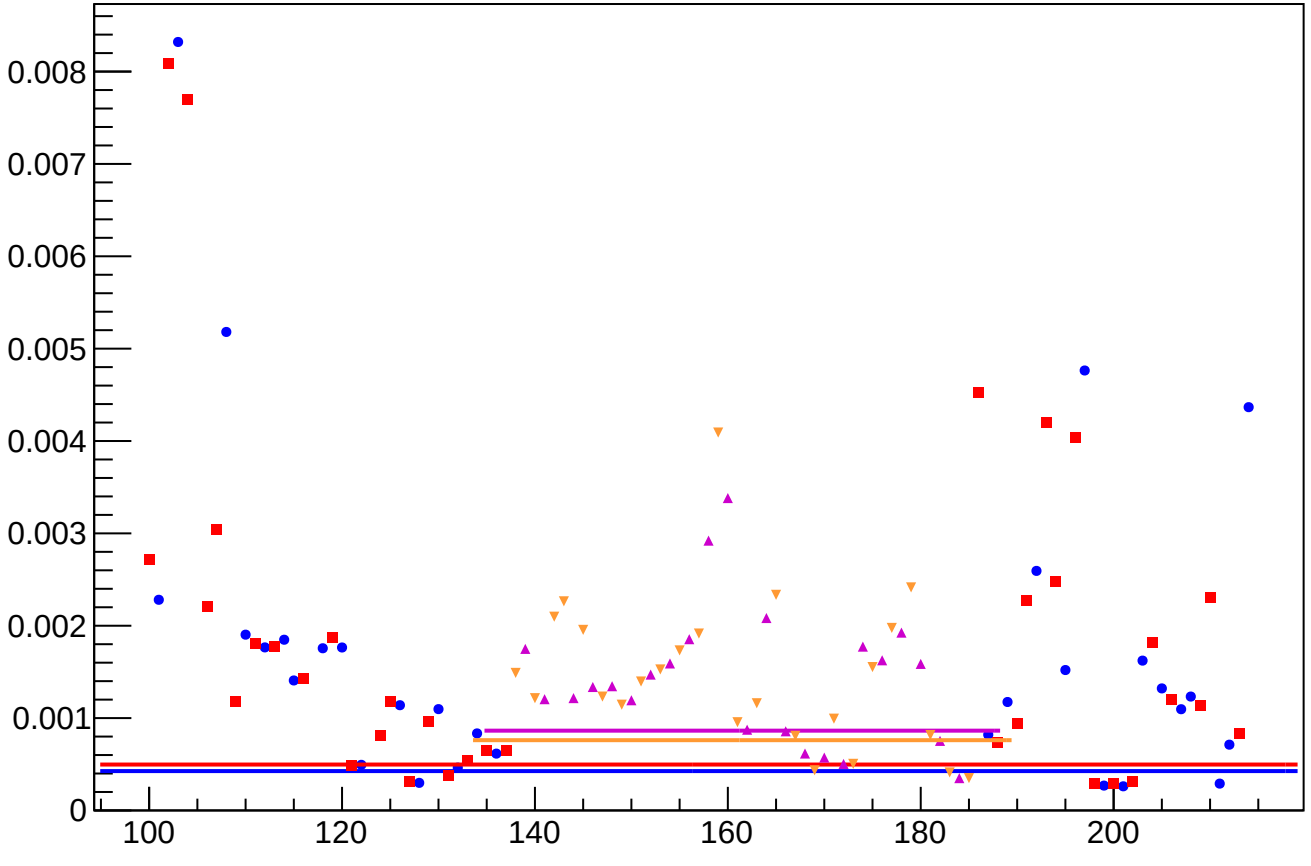
Right: -0.000+/-0.000 χ^2/NDF: 90.7/63

In: -0.000+/-0.000 χ^2/NDF:74.7/52

Out: -0.000+/-0.000 χ^2/NDF:78.8/58

All: -0.000+/-0.000 χ^2/NDF: 153.6/111

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

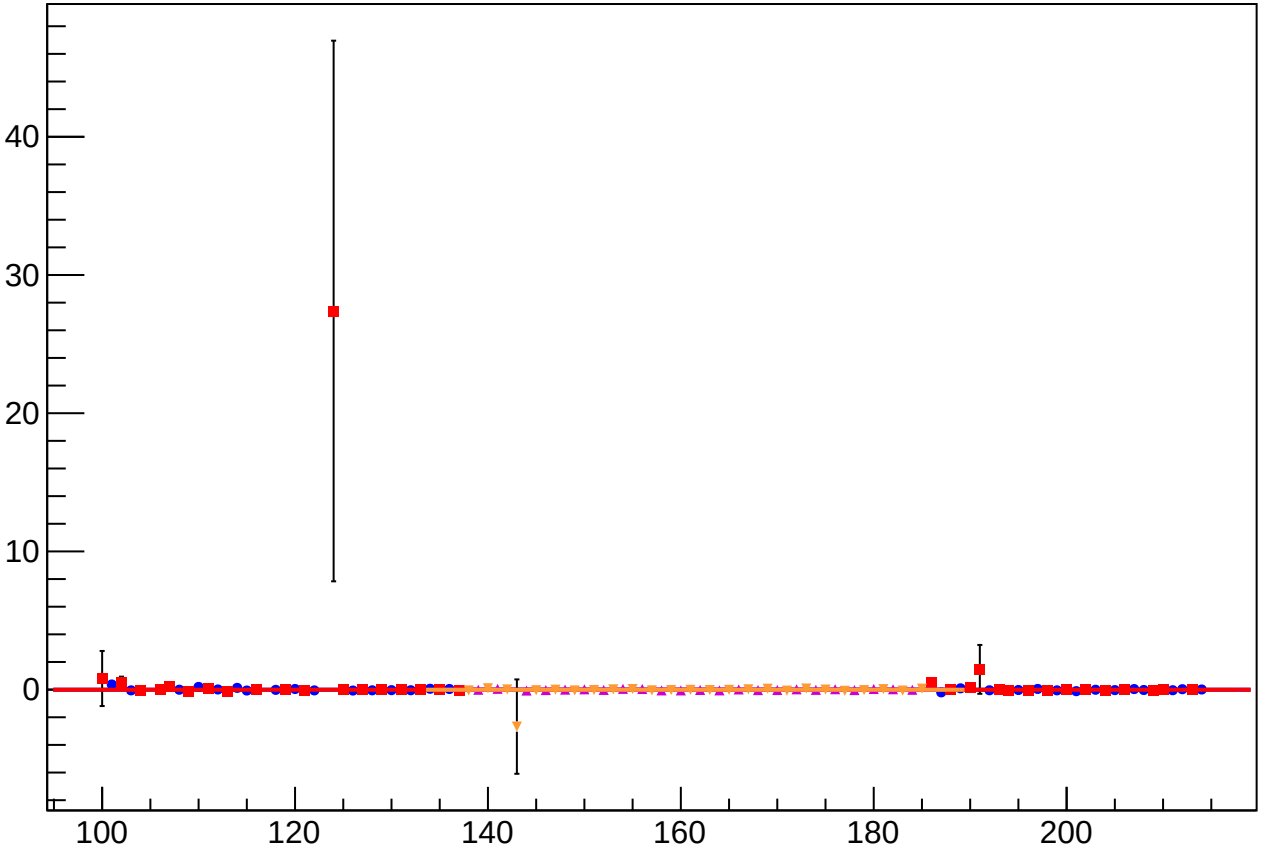
Right: 0.000+/-0.000 χ^2/NDF: 30882824.1/63

In: 0.001+/-0.000 χ^2/NDF:29304378.9/52

Out: 0.001+/-0.000 χ^2/NDF:27742362.7/58

All: 0.001+/-0.000 χ^2/NDF: 57243502.8/111

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

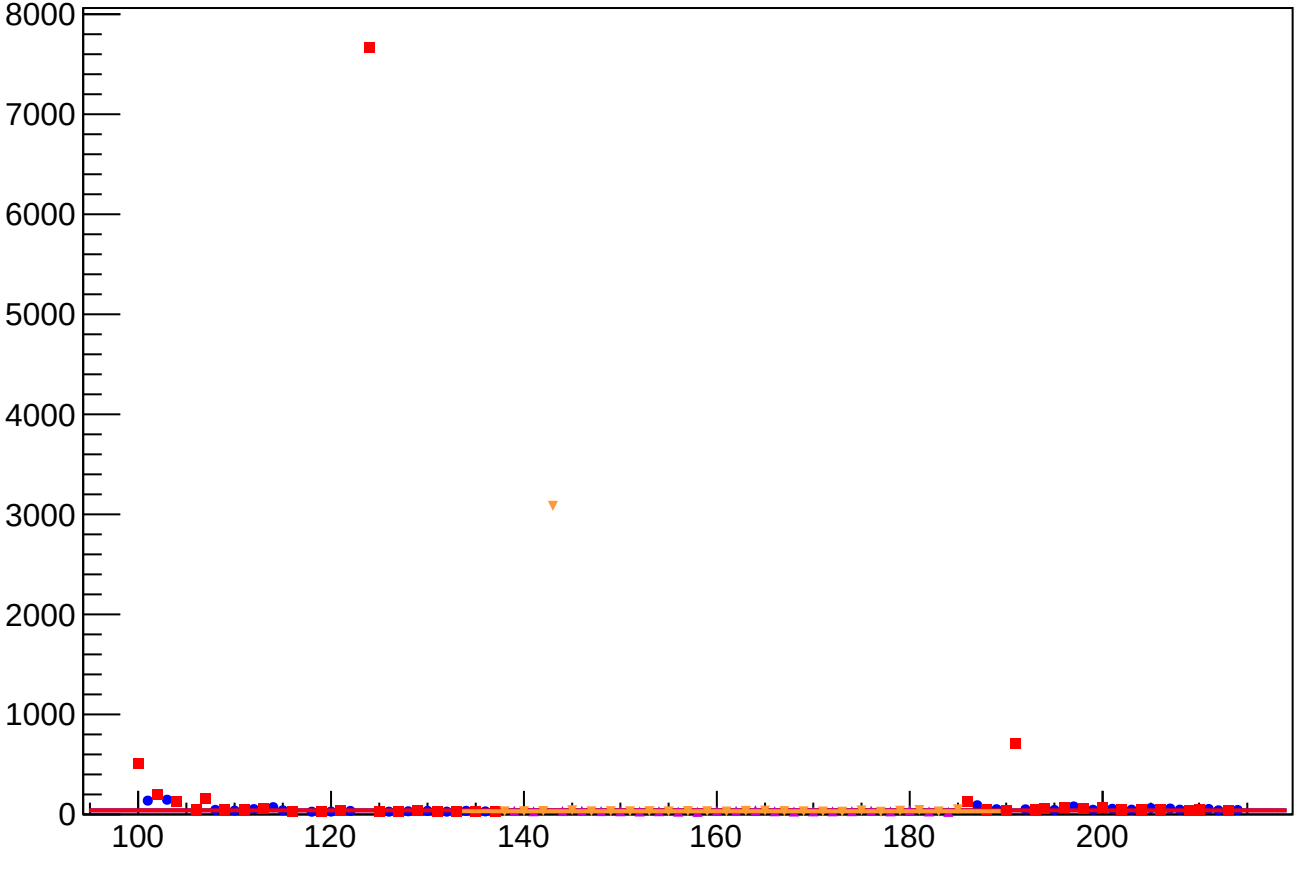
Right: -0.007+/-0.008 χ^2/NDF: 57.7/63

In: -0.004+/-0.007 χ^2/NDF:50.3/52

Out: -0.009+/-0.007 χ^2/NDF:67.7/58

All: -0.007+/-0.005 χ^2/NDF: 118.3/111

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

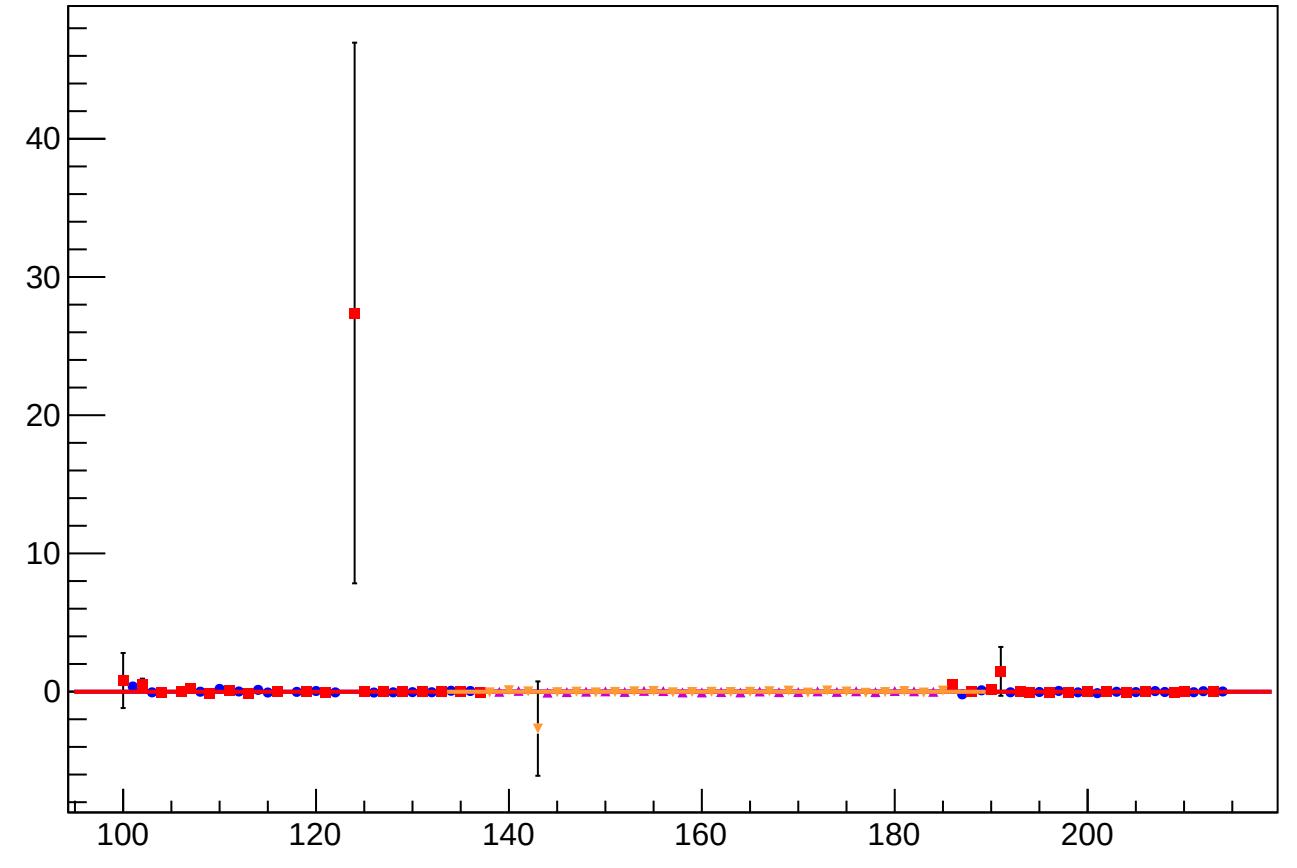
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 41.130+/-0.006 χ^2/NDF: 7721234.9/63

In: 35.641+/-0.005 χ^2/NDF:4628156.0/52

Out: 35.333+/-0.005 χ^2/NDF:7253890.1/58

All: 35.487+/-0.003 χ^2/NDF: 11884210.1/111



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

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

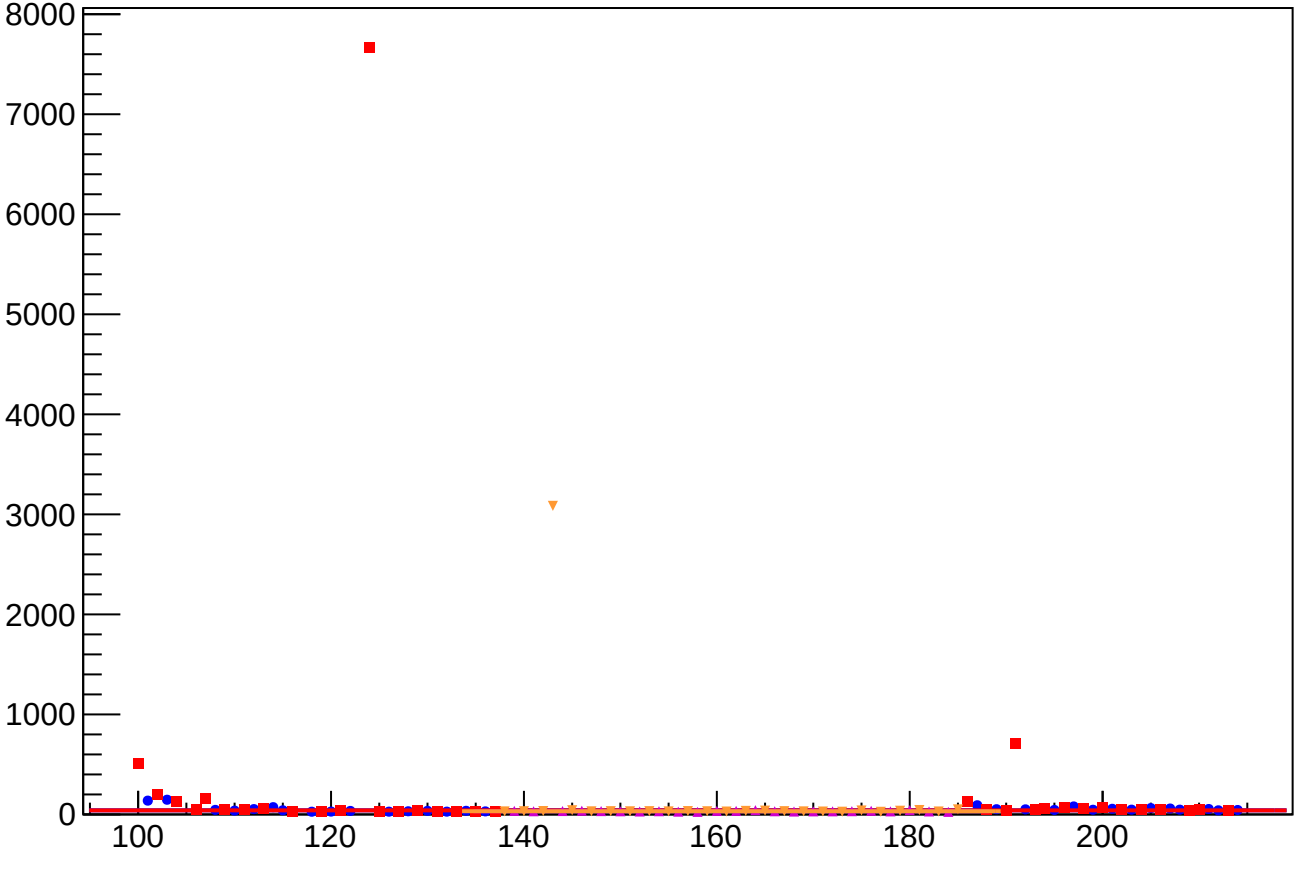
Right: -0.007+/-0.008 χ^2/NDF: 57.7/63

In: -0.004+/-0.007 χ^2/NDF:50.3/52

Out: -0.009+/-0.007 χ^2/NDF:67.7/58

All: -0.007+/-0.005 χ^2/NDF: 118.3/111

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

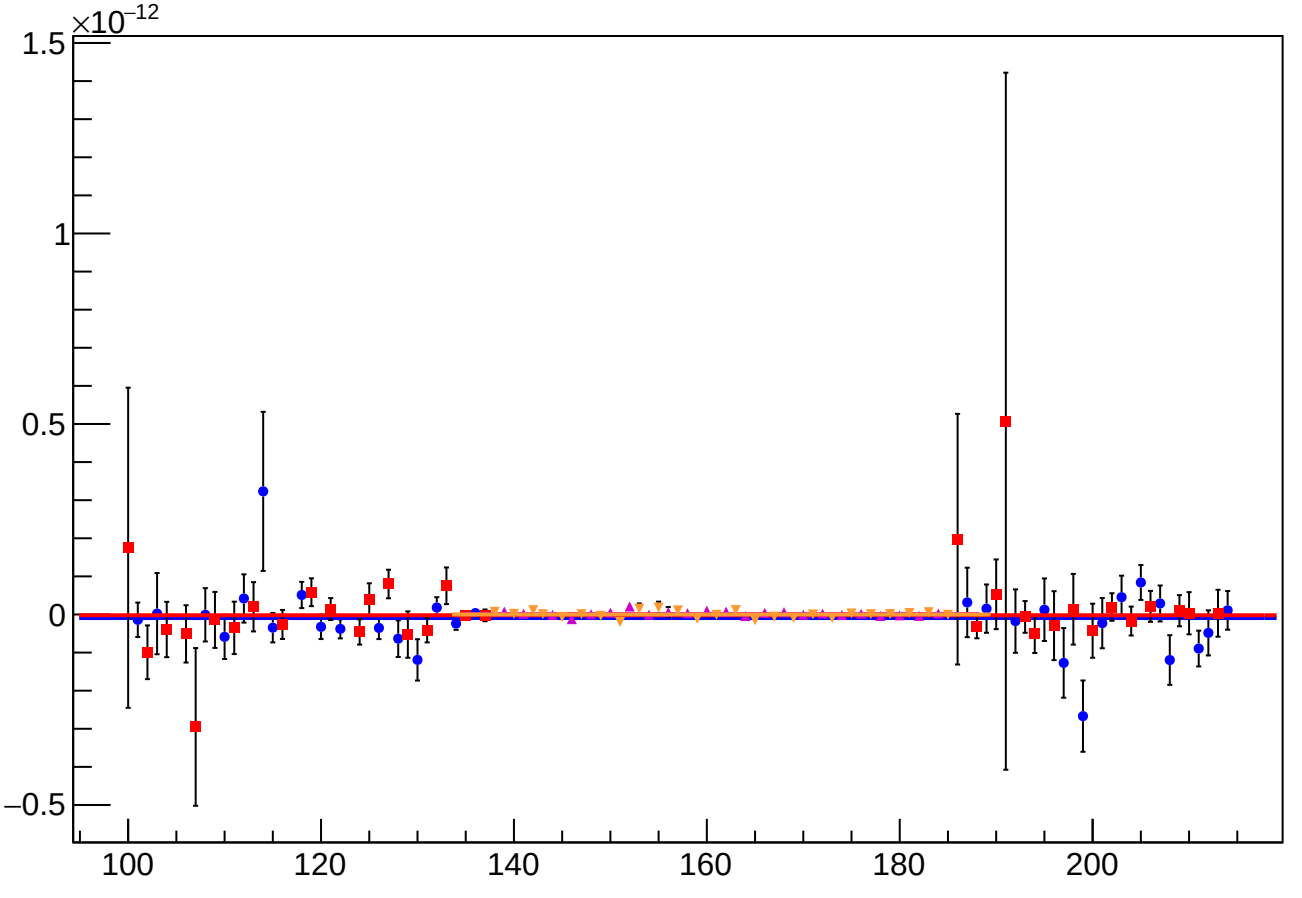
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 41.130+/-0.006 χ^2/NDF: 7721234.9/63

In: 35.641+/-0.005 χ^2/NDF:4628156.0/52

Out: 35.333+/-0.005 χ^2/NDF:7253890.1/58

All: 35.487+/-0.003 χ^2/NDF: 11884210.1/111



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

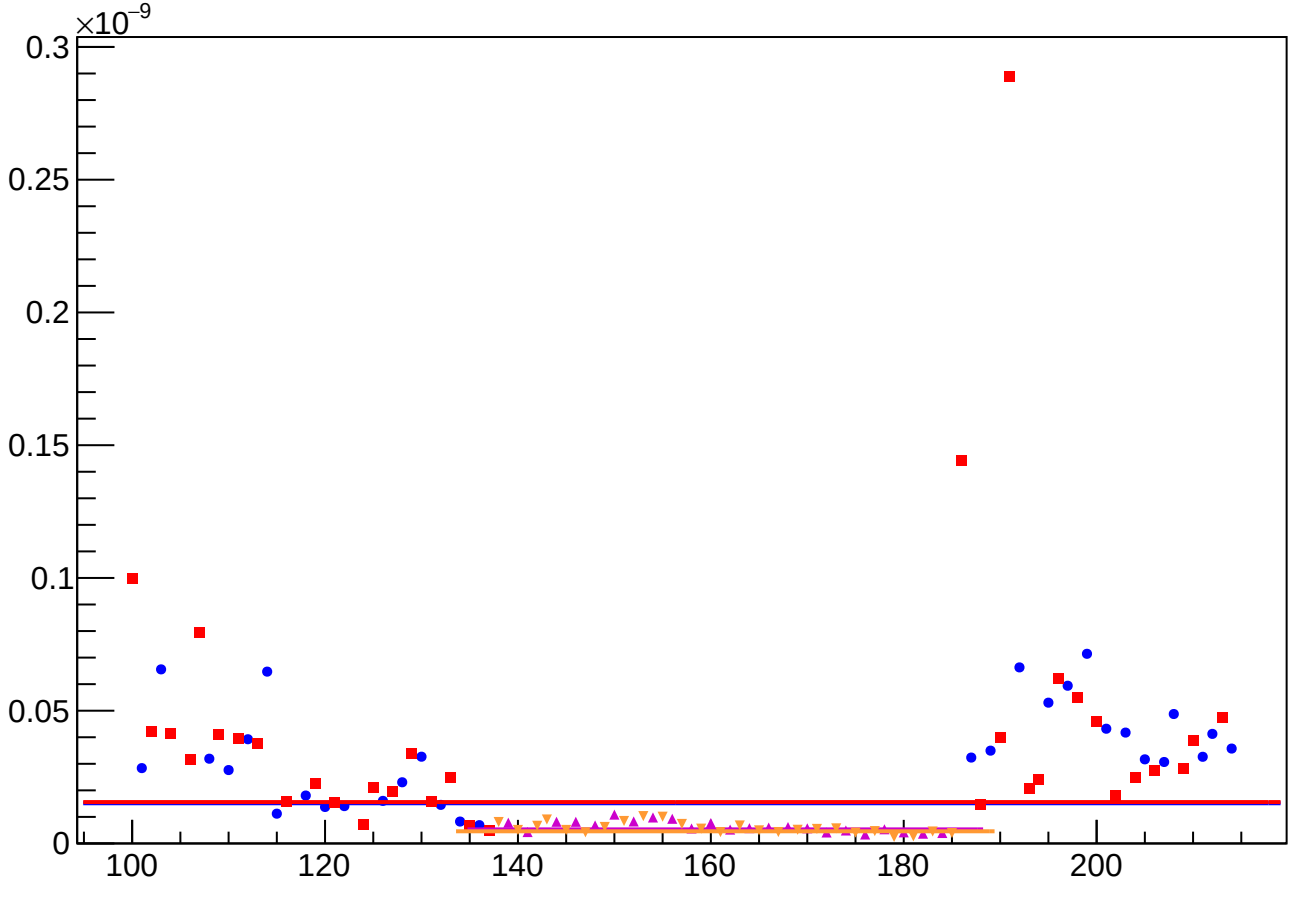
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 67.1/63

In: 0.000+/-0.000 χ^2/NDF:53.1/52

Out: -0.000+/-0.000 χ^2/NDF:46.5/58

All: 0.000+/-0.000 χ^2/NDF: 99.6/111



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

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

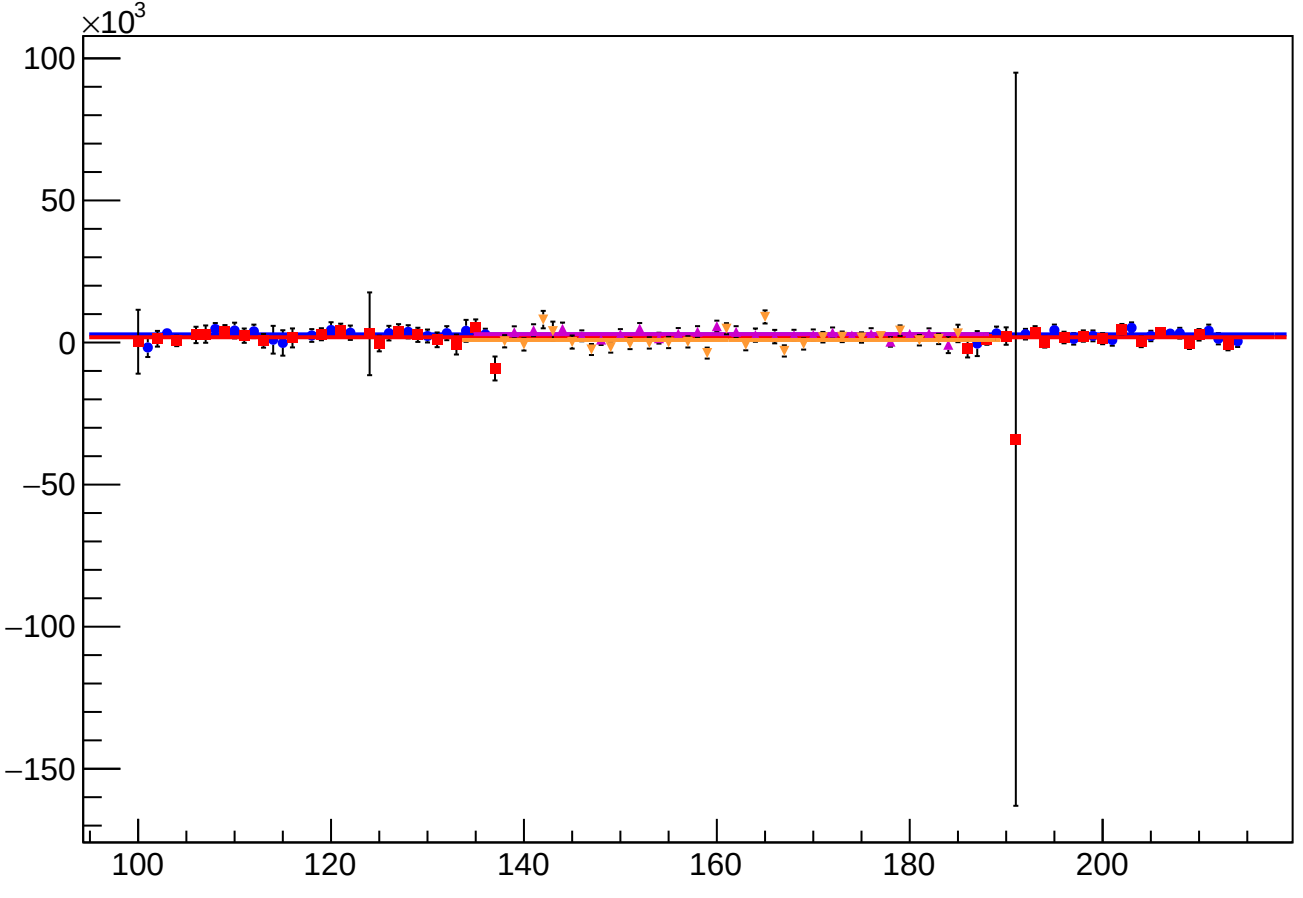
Right: 0.000+/-0.000 χ^2/NDF: 16523790.2/63

In: 0.000+/-0.000 χ^2/NDF:16284064.7/52

Out: 0.000+/-0.000 χ^2/NDF:16076294.5/58

All: 0.000+/-0.000 χ^2/NDF: 32682557.4/111

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

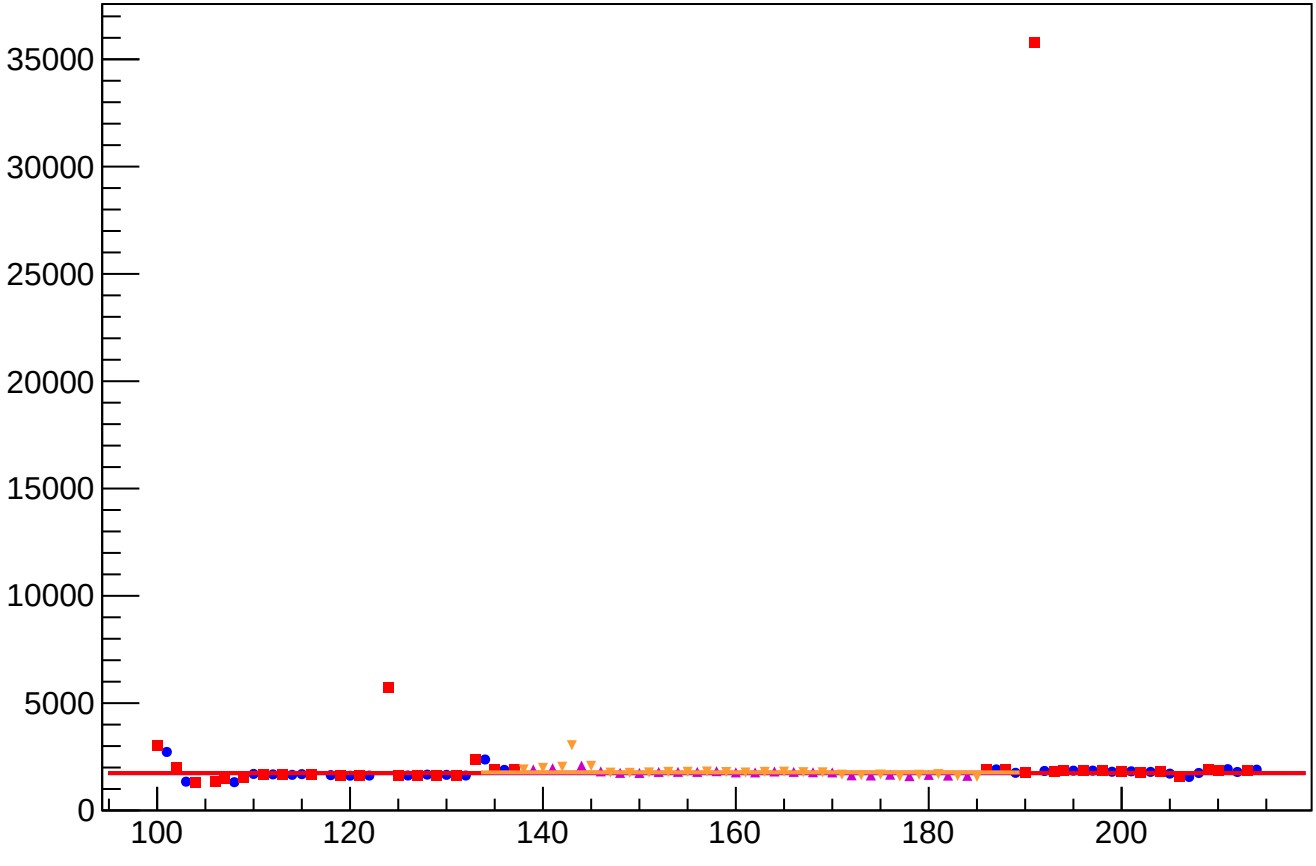
Right: 2361.008+/-288.640 χ^2/NDF: 39.4/63

In: 2907.248+/-290.221 χ^2/NDF:21.9/52

Out: 1373.731+/-287.479 χ^2/NDF:73.0/58

All: 2133.211+/-204.241 χ^2/NDF: 109.0/111

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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

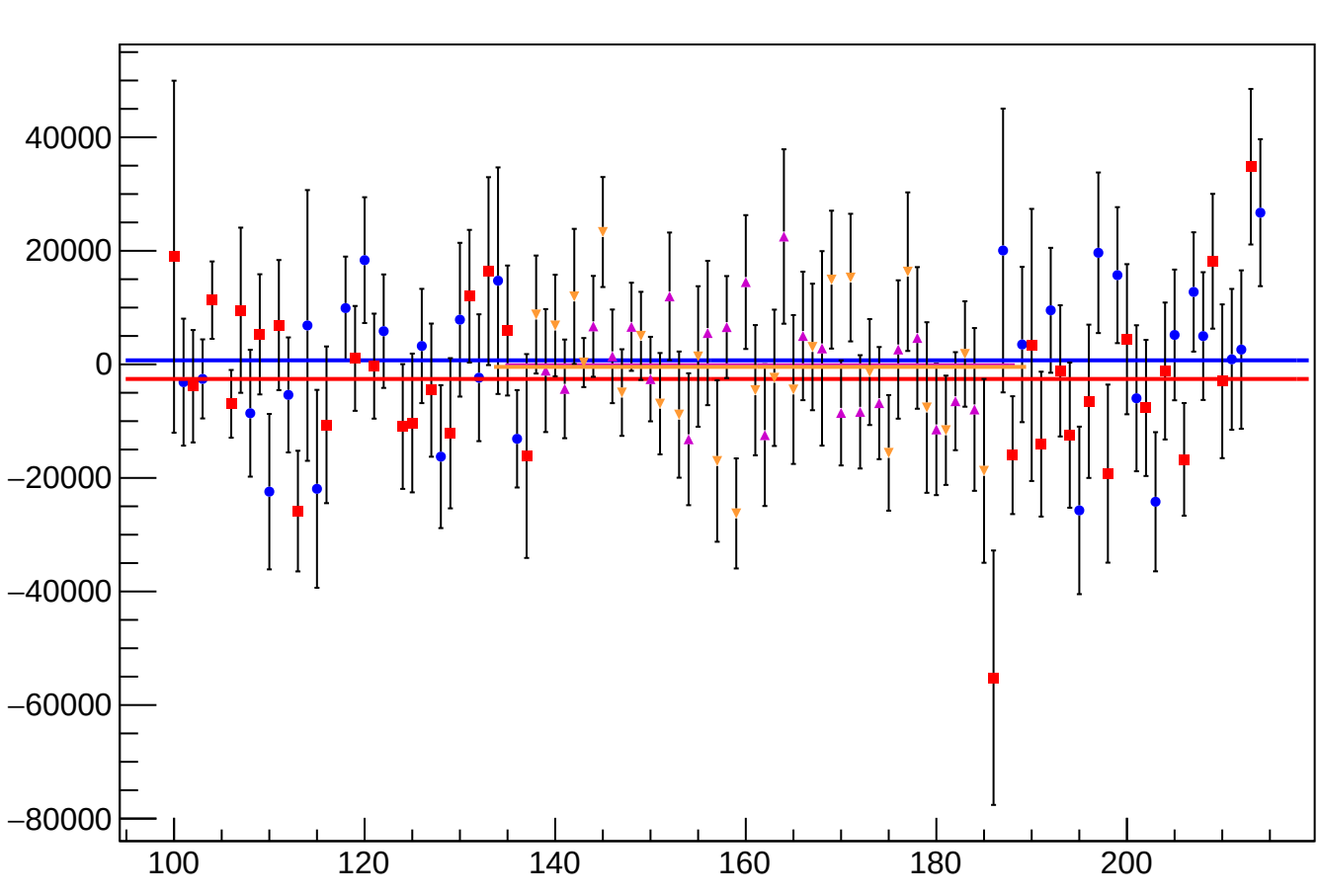
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1739.449+/-0.204 χ^2/NDF: 1251340.2/63

In: 1748.564+/-0.205 χ^2/NDF:677321.8/52

Out: 1758.767+/-0.203 χ^2/NDF:1176830.0/58

All: 1753.714+/-0.144 χ^2/NDF: 1855399.4/11



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

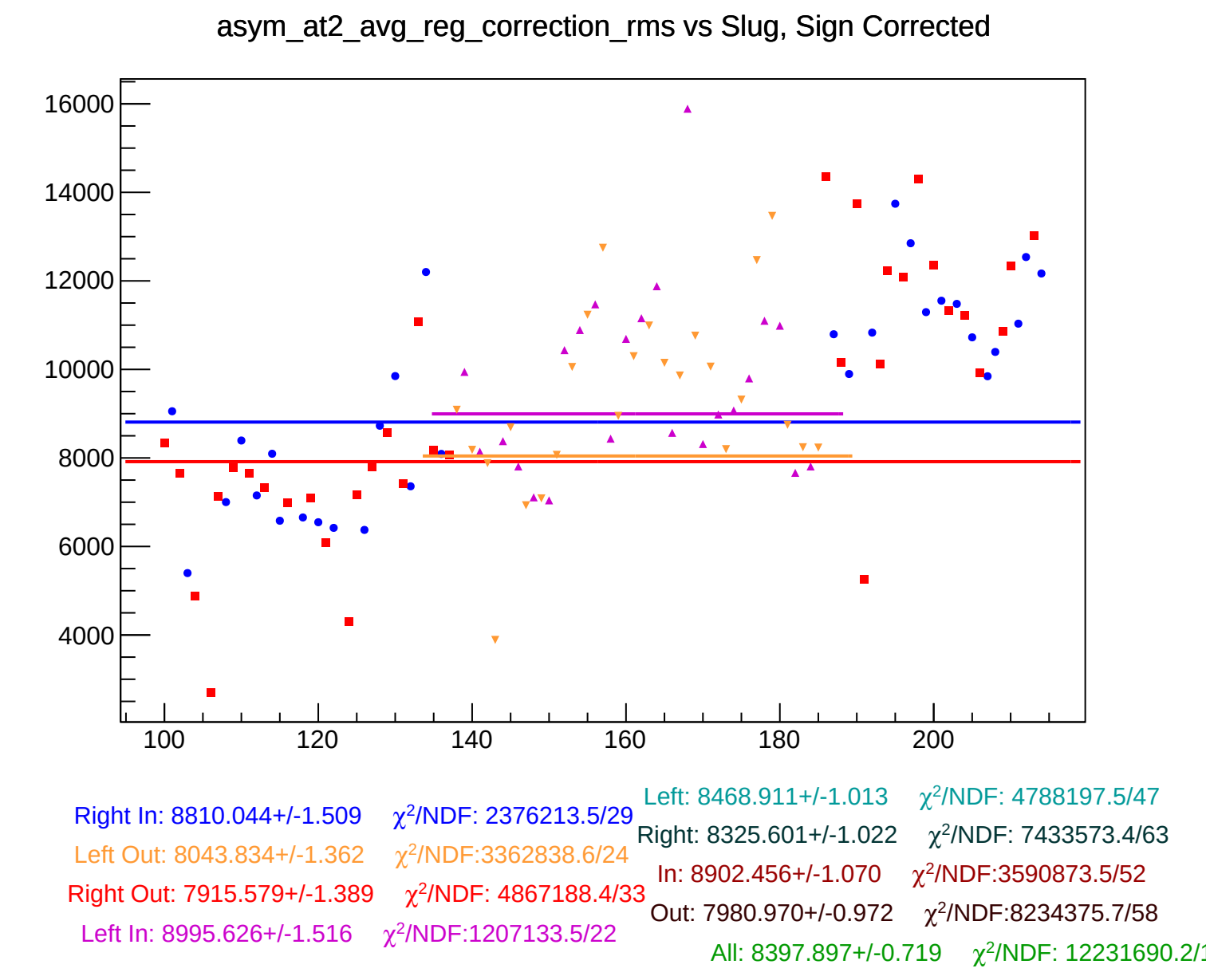
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -1065.931+/-1445.333 χ^2/NDF: 75.3/63

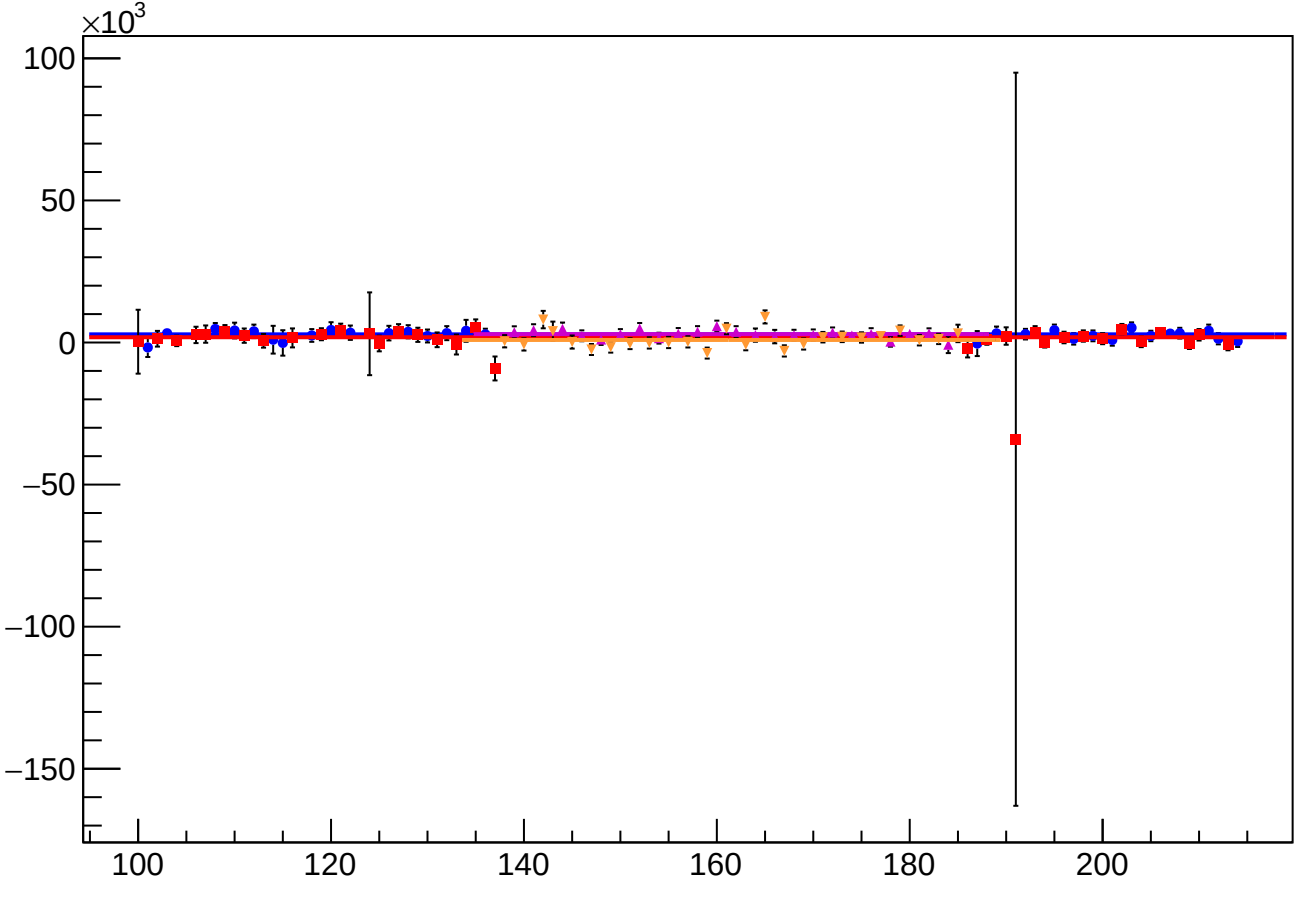
In: 281.083+/-1512.574 χ^2/NDF:47.0/52

Out: -1486.856+/-1374.962 χ^2/NDF:71.0/58

All: -686.951+/-1017.424 χ^2/NDF: 118.7/111


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8810.044+/-1.509 χ²/NDF: 2376213.5/29
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 7915.579+/-1.389 χ²/NDF: 4867188.4/33
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 8325.601+/-1.022 χ²/NDF: 7433573.4/63
In: 8902.456+/-1.070 χ²/NDF:3590873.5/52
Out: 7980.970+/-0.972 χ²/NDF:8234375.7/58
All: 8397.897+/-0.719 χ²/NDF: 12231690.2/1

cor_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

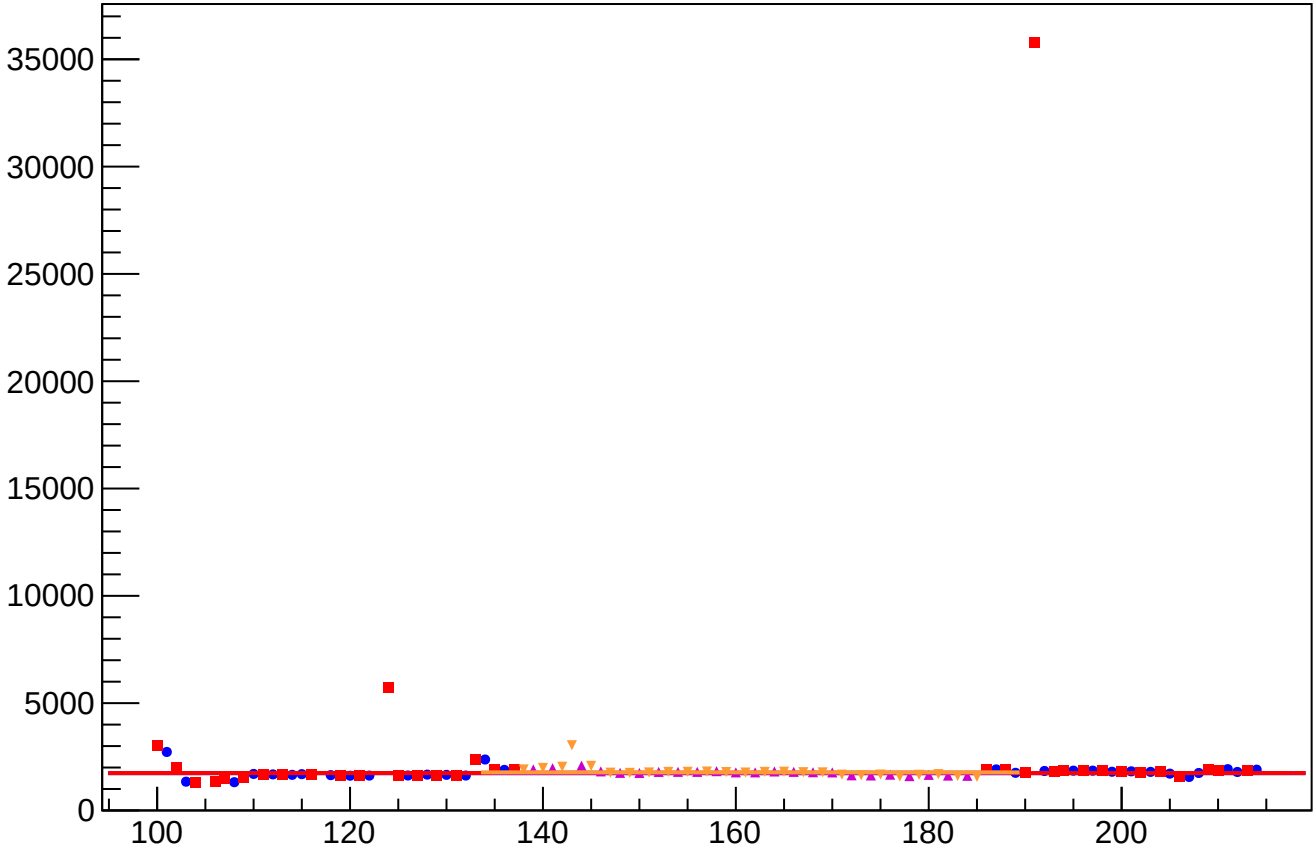
Right: 2361.020+/-288.640 χ^2/NDF: 39.4/63

In: 2907.225+/-290.221 χ^2/NDF:21.9/52

Out: 1373.671+/-287.479 χ^2/NDF:73.1/58

All: 2133.169+/-204.241 χ^2/NDF: 109.0/111

cor_asym_at2_avg_rms vs Slug, Sign Corrected



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

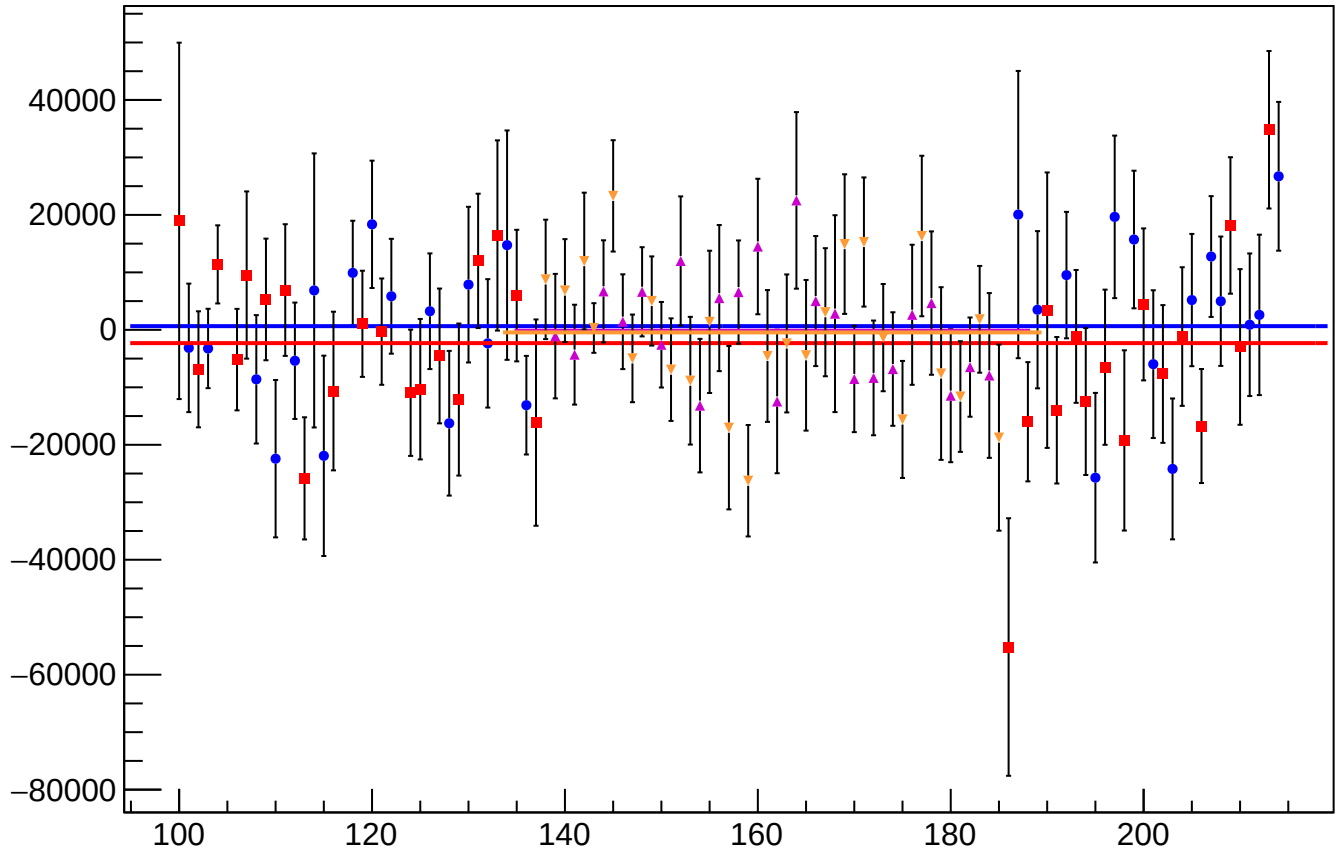
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1739.449+/-0.204 χ^2/NDF: 1251340.8/63

In: 1748.564+/-0.205 χ^2/NDF:677322.2/52

Out: 1758.767+/-0.203 χ^2/NDF:1176830.2/58

All: 1753.714+/-0.144 χ^2/NDF: 1855400.1/11



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

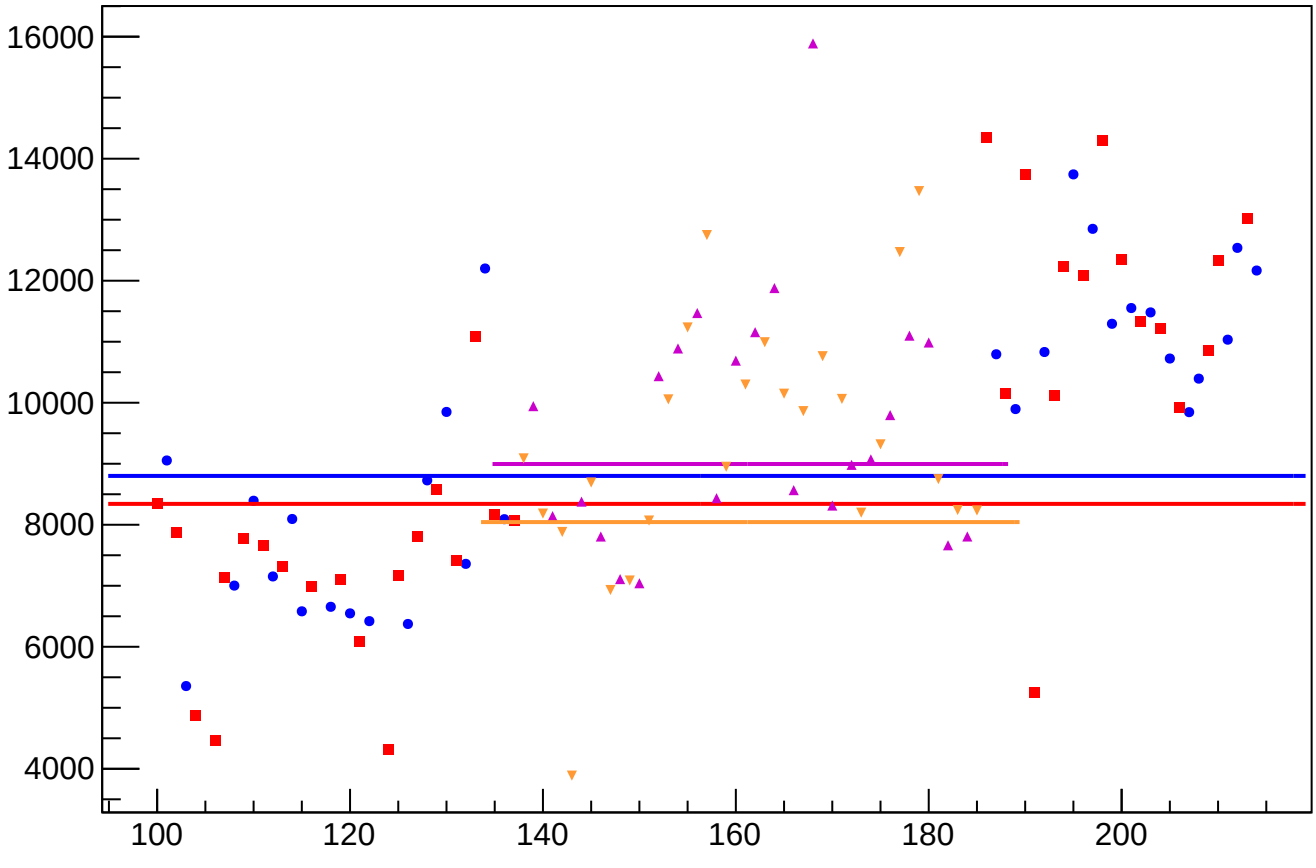
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -908.969+/-1468.804 χ^2/NDF: 74.8/63

In: 246.219+/-1511.958 χ^2/NDF:47.1/52

Out: -1329.118+/-1395.603 χ^2/NDF:70.6/58

All: -604.391+/-1025.511 χ^2/NDF: 118.2/111



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

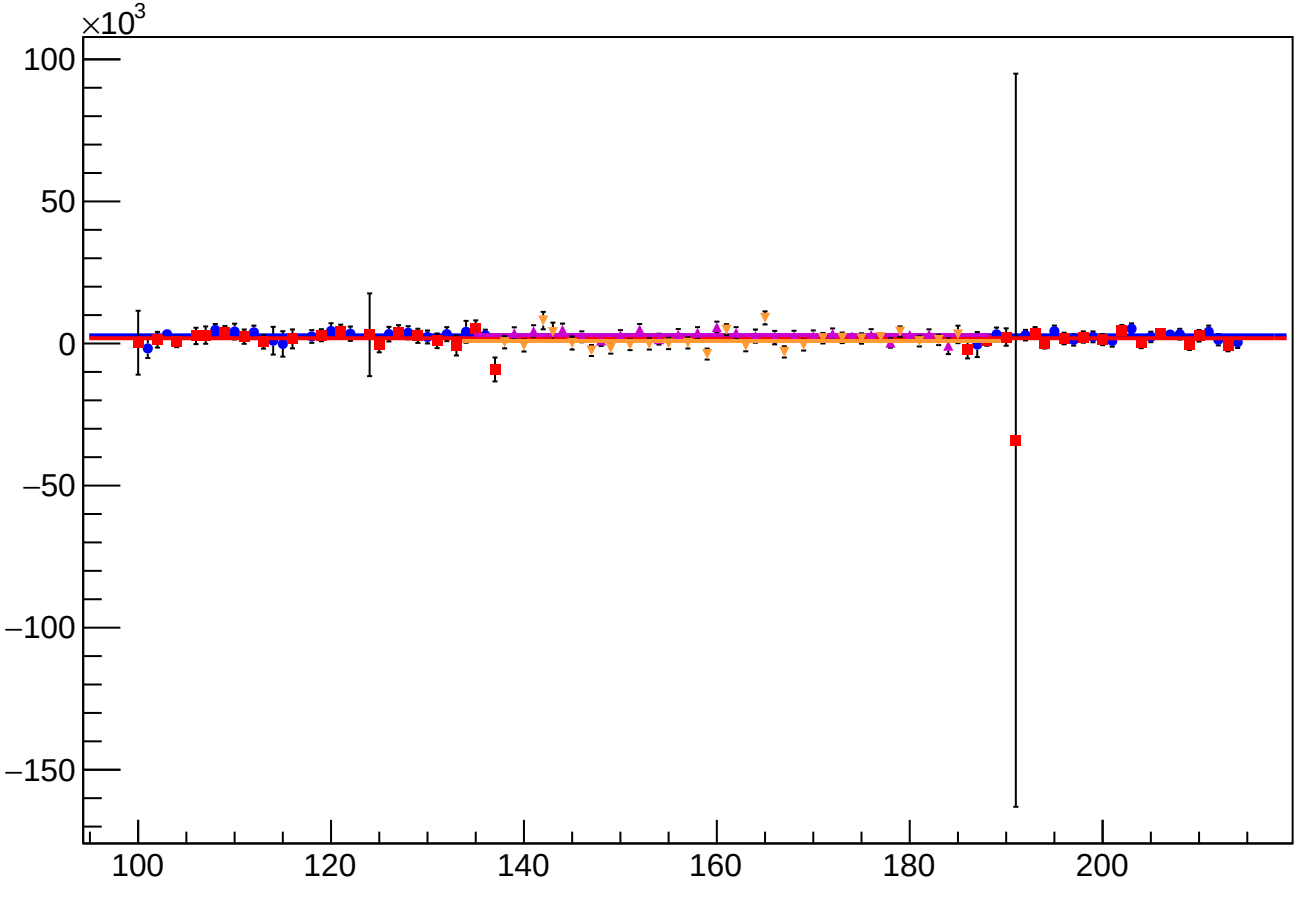
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8559.427+/-1.039 χ^2/NDF: 6003505.5/63

In: 8897.569+/-1.069 χ^2/NDF:3612065.8/52

Out: 8185.391+/-0.987 χ^2/NDF:6944023.7/58

All: 8513.025+/-0.725 χ^2/NDF: 10795688.1/1



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

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

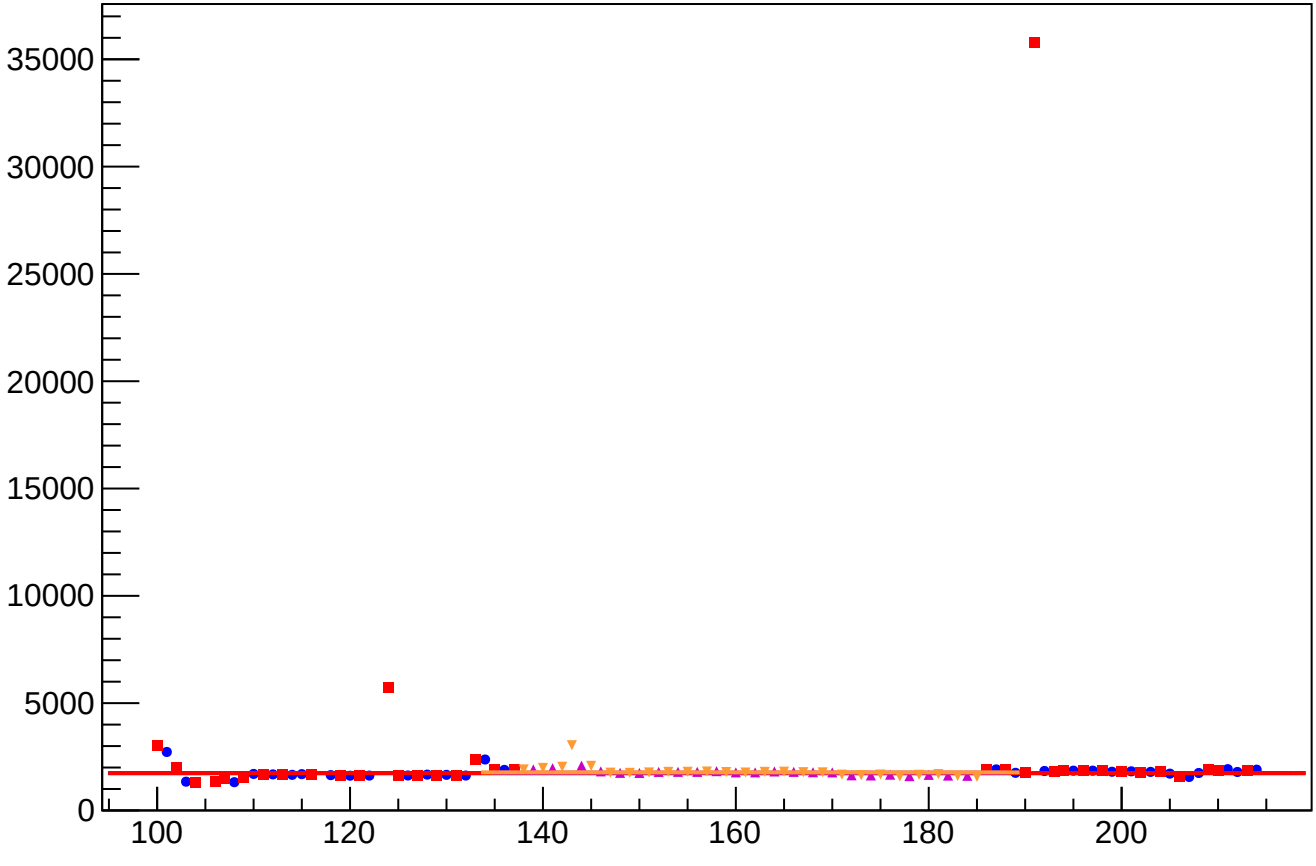
Right: 2361.020+/-288.640 χ^2/NDF: 39.4/63

In: 2907.225+/-290.221 χ^2/NDF:21.9/52

Out: 1373.671+/-287.479 χ^2/NDF:73.1/58

All: 2133.169+/-204.241 χ^2/NDF: 109.0/111

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



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

Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

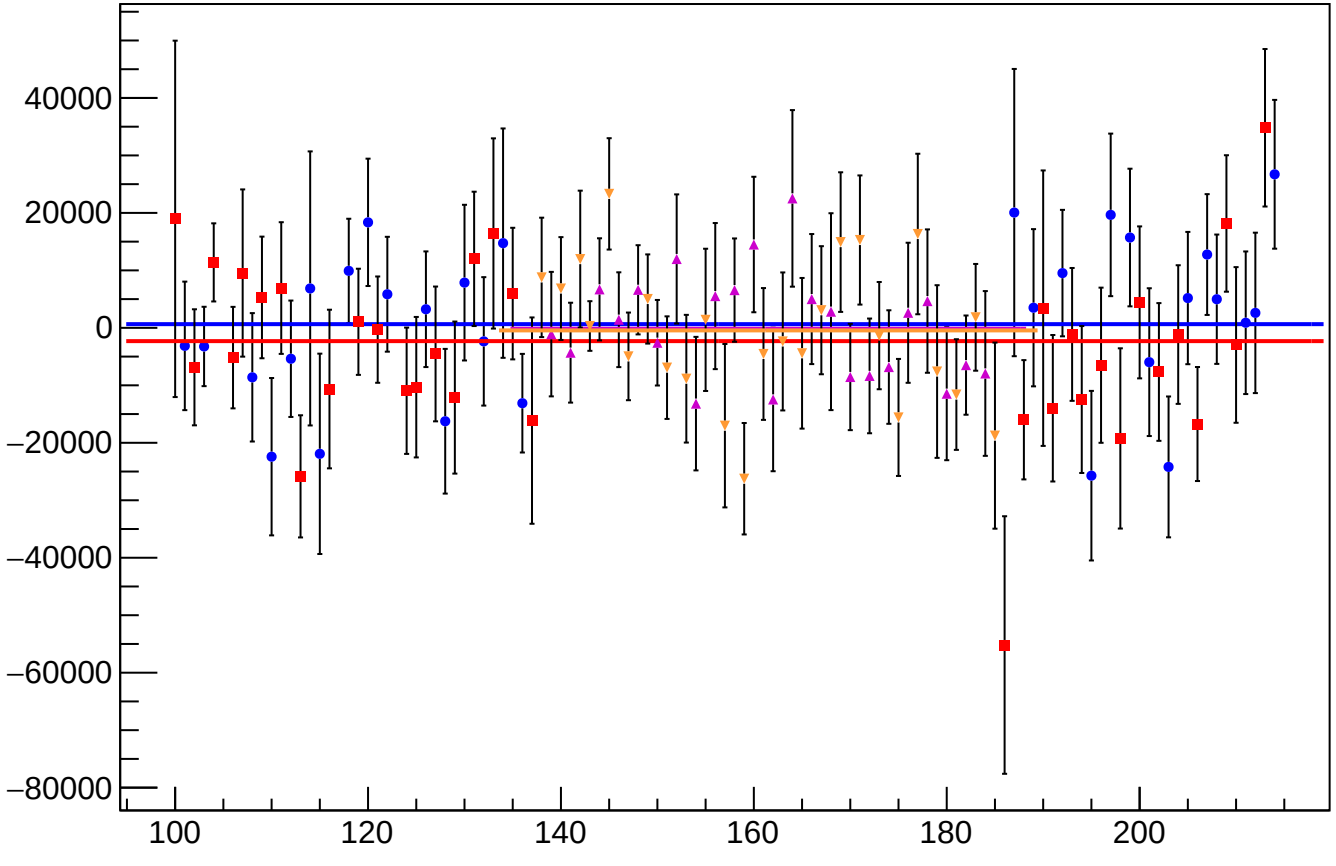
Right: 1739.449+/-0.204 χ^2/NDF: 1251340.8/63

In: 1748.564+/-0.205 χ^2/NDF:677322.2/52

Out: 1758.767+/-0.203 χ^2/NDF:1176830.2/58

All: 1753.714+/-0.144 χ^2/NDF: 1855400.1/11

asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

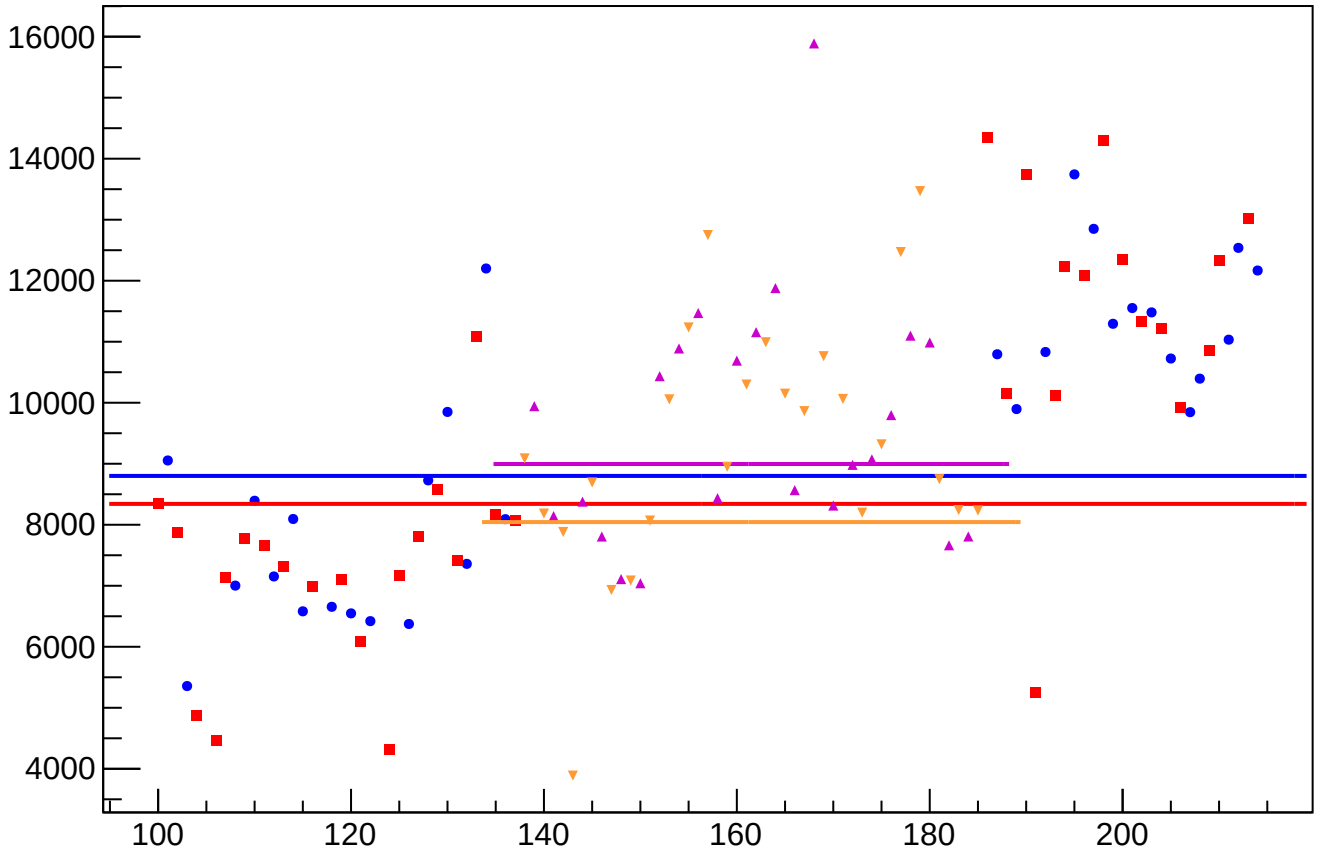
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -908.969+/-1468.804 χ^2/NDF: 74.8/63

In: 246.219+/-1511.958 χ^2/NDF:47.1/52

Out: -1329.118+/-1395.603 χ^2/NDF:70.6/58

All: -604.391+/-1025.511 χ^2/NDF: 118.2/111



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

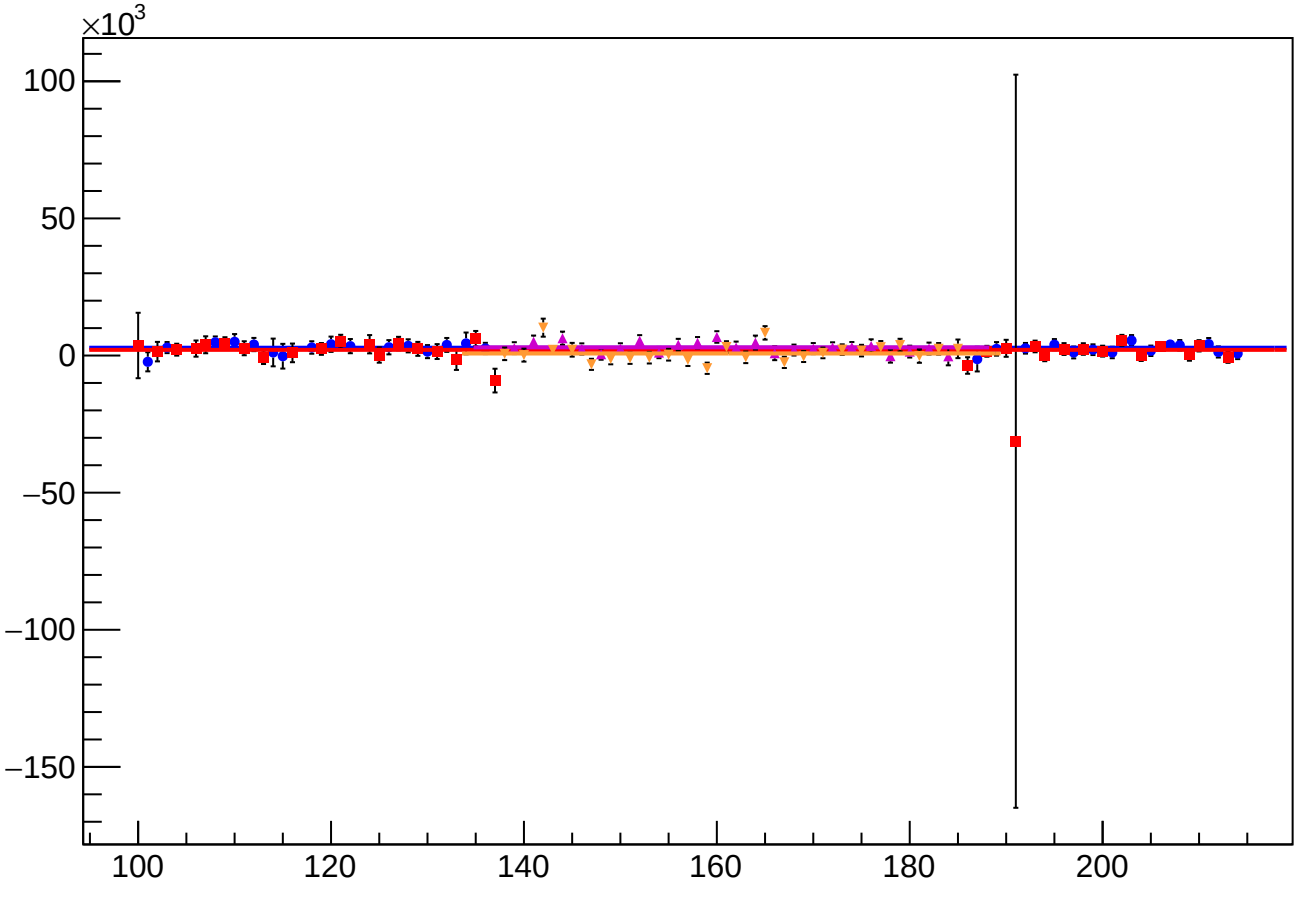
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8559.427+/-1.039 χ^2/NDF: 6003505.5/63

In: 8897.569+/-1.069 χ^2/NDF:3612065.8/52

Out: 8185.391+/-0.987 χ^2/NDF:6944023.7/58

All: 8513.025+/-0.725 χ^2/NDF: 10795688.1/1



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

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

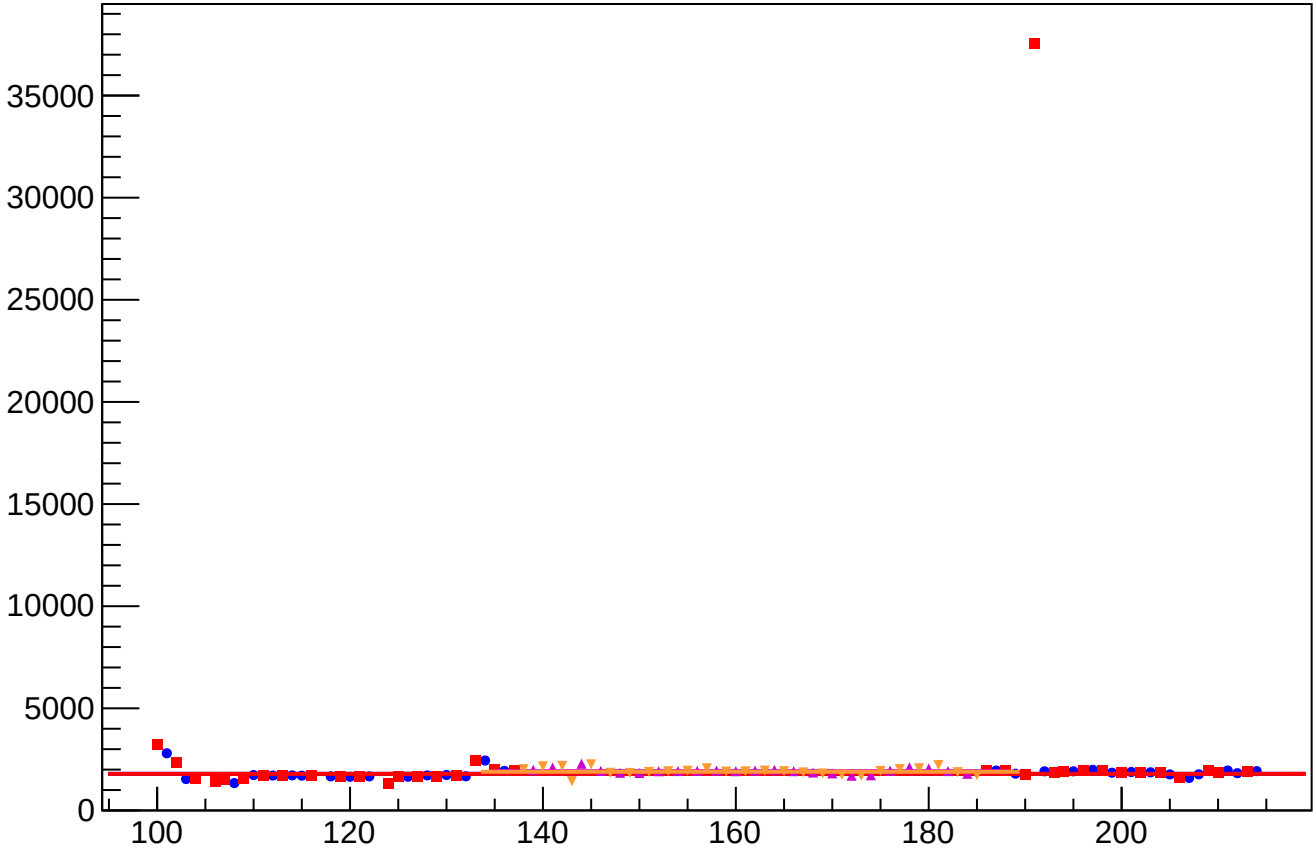
Right: 2459.845+/-297.404 χ^2/NDF: 44.2/63

In: 2911.205+/-307.897 χ^2/NDF:28.6/52

Out: 1427.331+/-301.169 χ^2/NDF:76.1/58

All: 2152.878+/-215.298 χ^2/NDF: 116.6/111

dit_asym_at2_avg_rms vs Slug, Sign Corrected



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

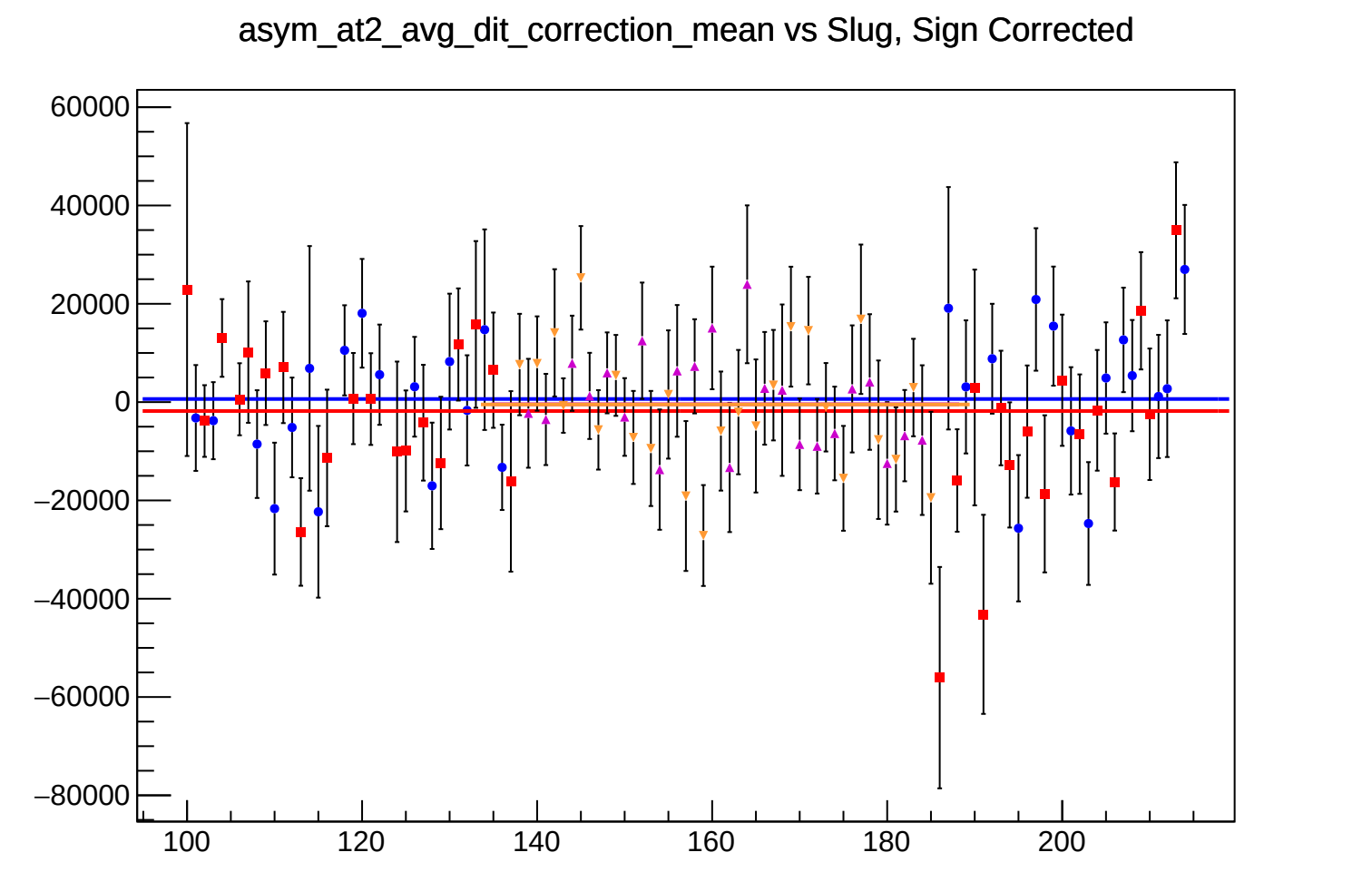
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1791.732+/-0.210 χ^2/NDF: 1062119.4/63

In: 1853.445+/-0.218 χ^2/NDF:718163.3/52

Out: 1841.239+/-0.213 χ^2/NDF:1012280.0/58

All: 1847.207+/-0.152 χ^2/NDF: 1732049.8/11



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

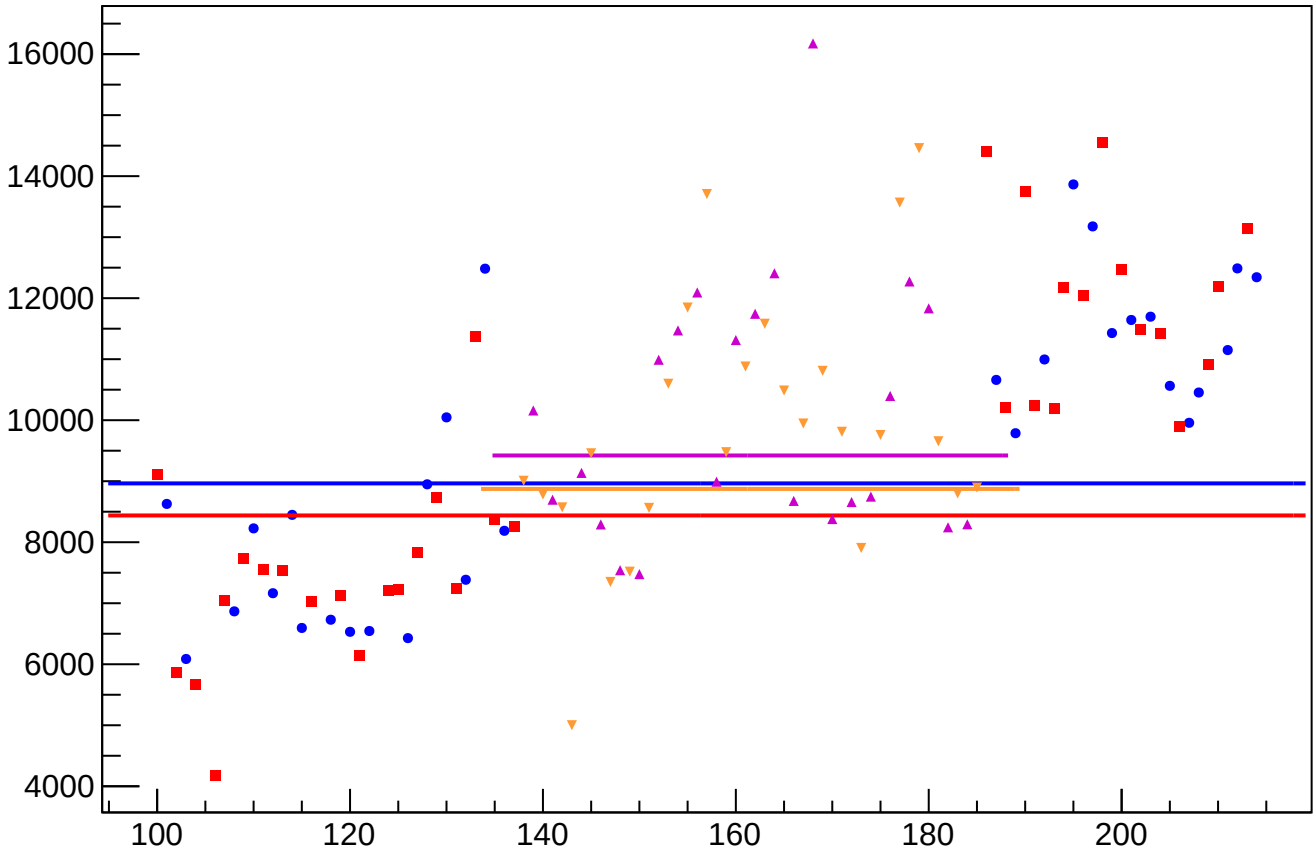
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -666.930+/-1482.890 χ^2/NDF: 76.6/63

In: 117.106+/-1559.003 χ^2/NDF:46.7/52

Out: -1163.821+/-1457.409 χ^2/NDF:72.0/58

All: -566.451+/-1064.649 χ^2/NDF: 119.0/111



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

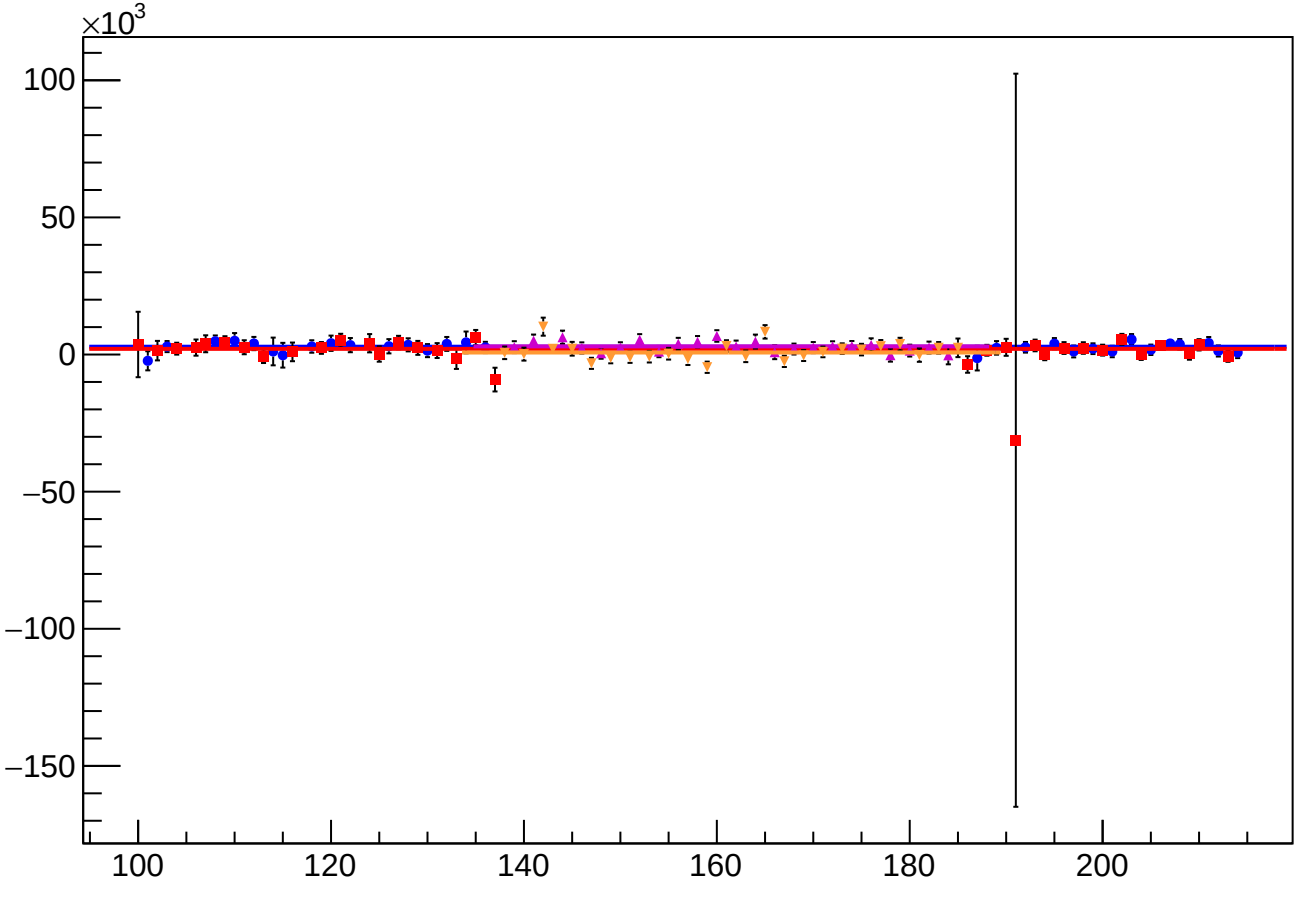
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8685.010+/-1.049 χ^2/NDF: 5676659.7/63

In: 9184.863+/-1.102 χ^2/NDF:3425982.5/52

Out: 8650.368+/-1.031 χ^2/NDF:5683671.8/58

All: 8899.634+/-0.753 χ^2/NDF: 9235105.1/11



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

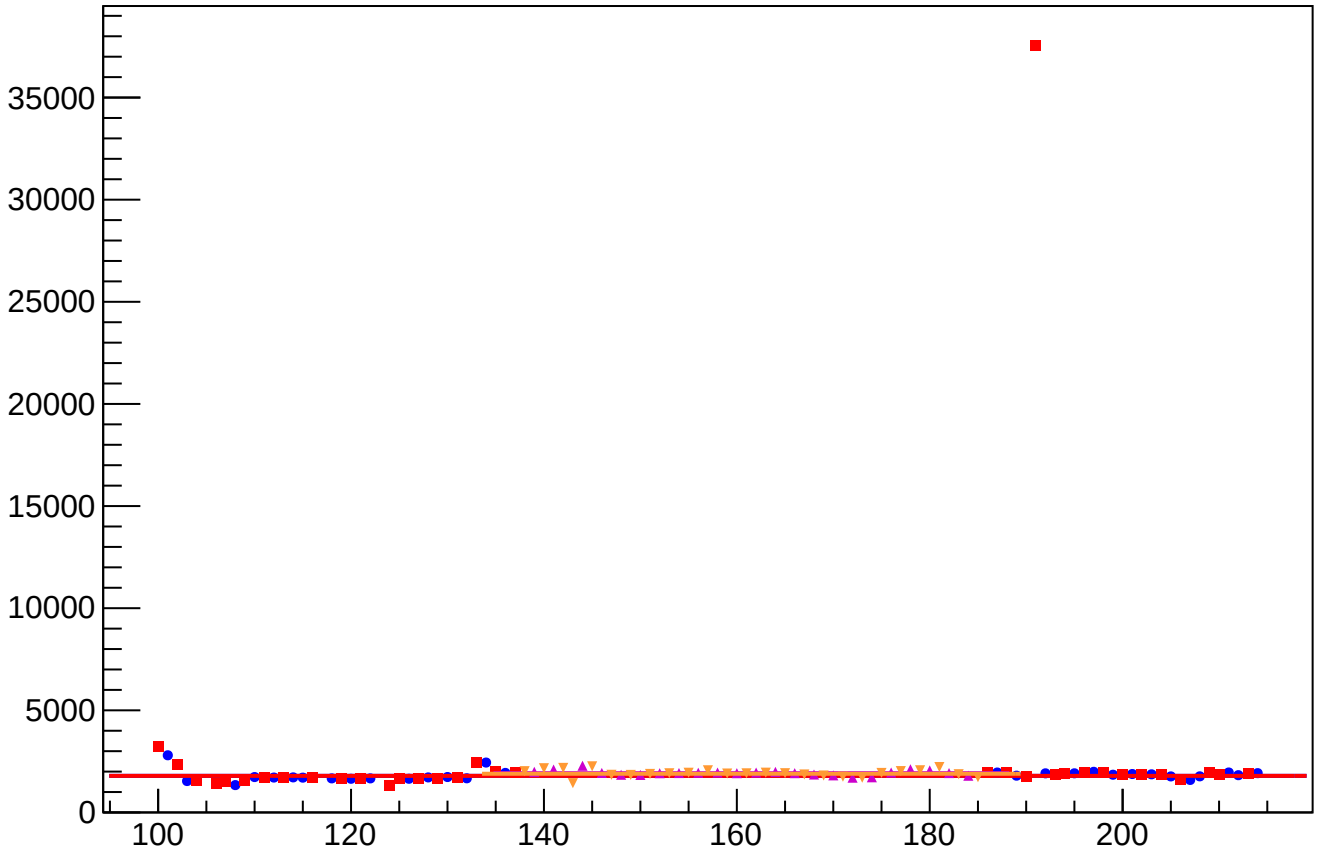
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2459.844+/-297.404 χ^2/NDF: 44.2/63

In: 2911.204+/-307.897 χ^2/NDF:28.6/52

Out: 1427.326+/-301.169 χ^2/NDF:76.1/58

All: 2152.875+/-215.298 χ^2/NDF: 116.6/111



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

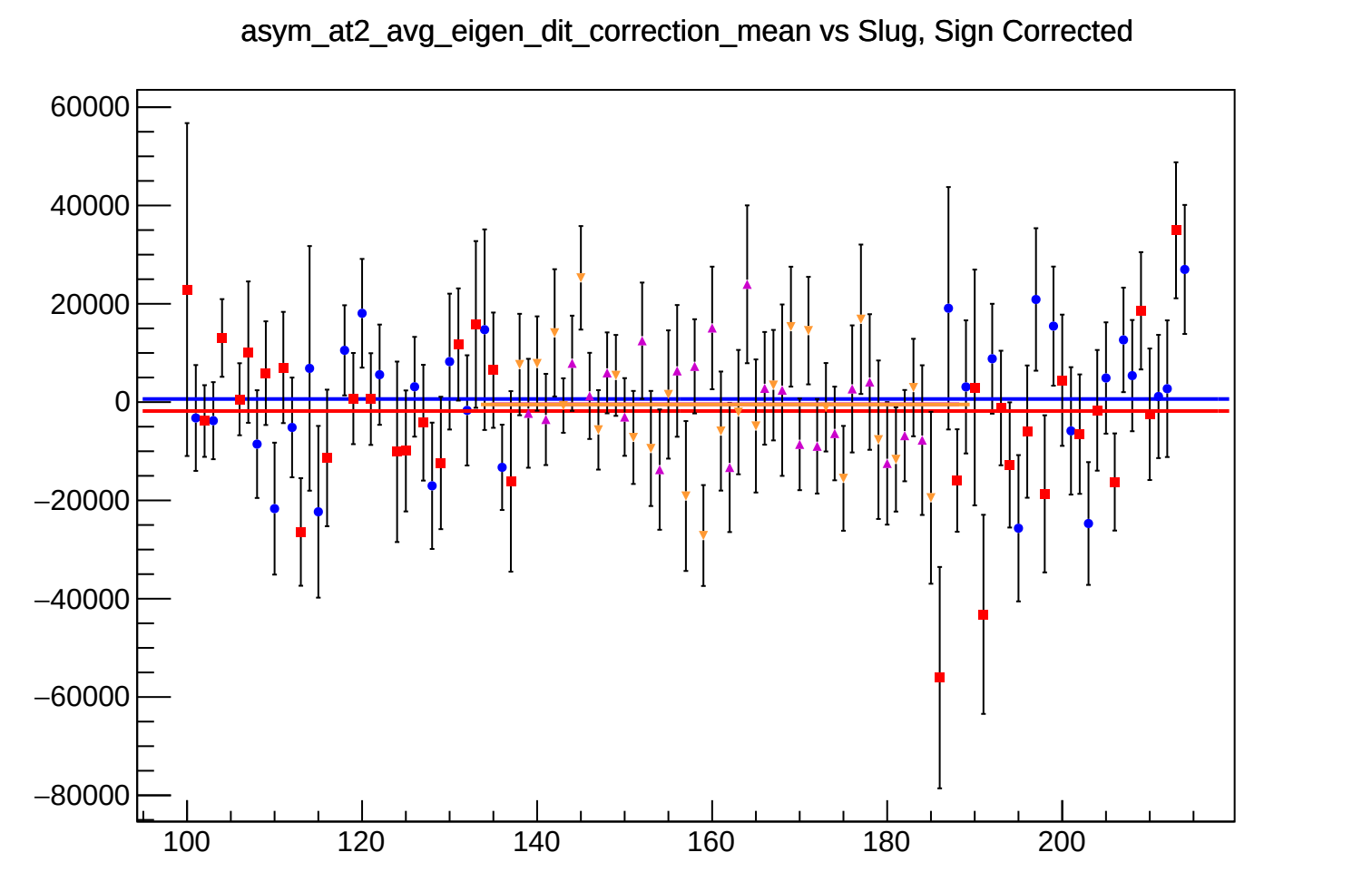
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1791.732+/-0.210 χ^2/NDF: 1062121.4/63

In: 1853.447+/-0.218 χ^2/NDF:718175.8/52

Out: 1841.240+/-0.213 χ^2/NDF:1012292.5/58

All: 1847.208+/-0.152 χ^2/NDF: 1732074.8/11



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

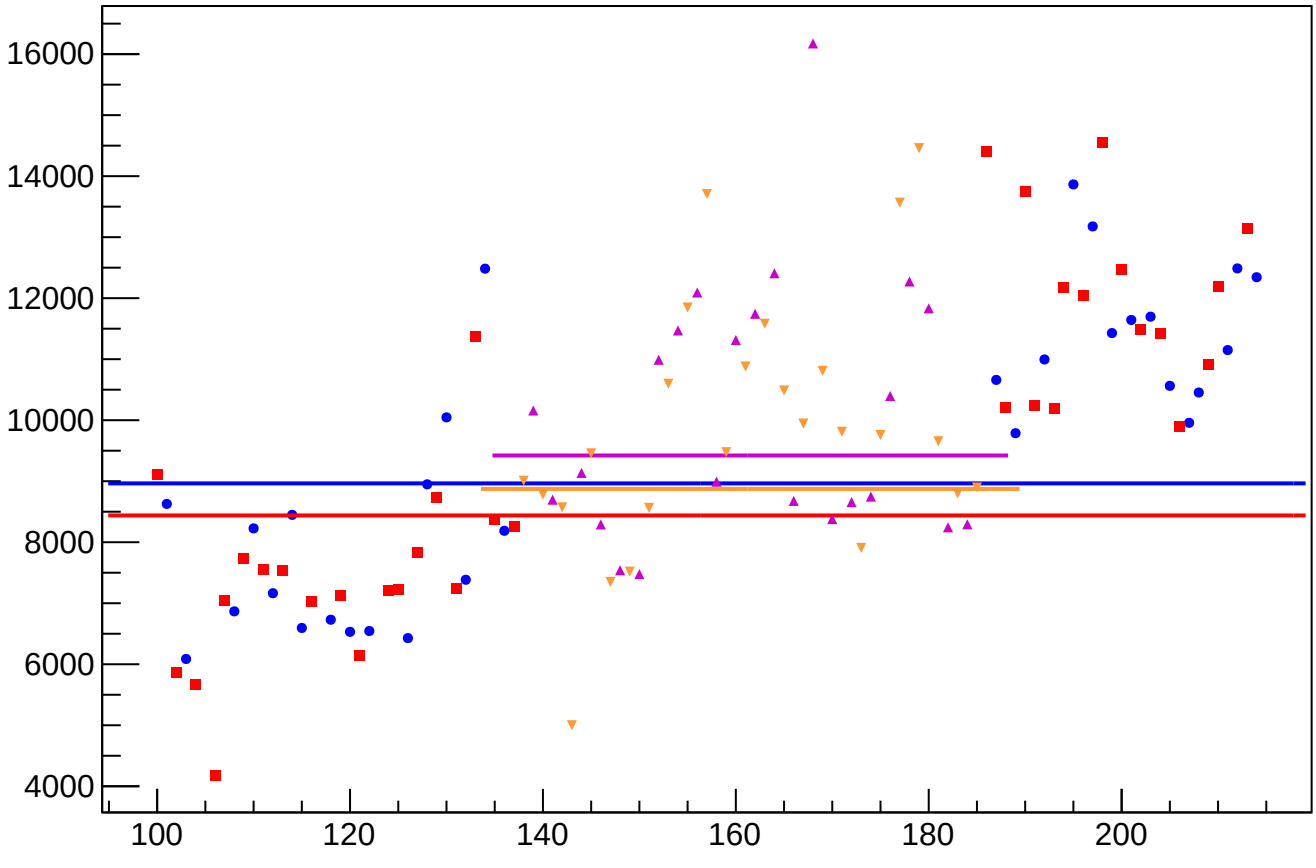
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -666.923+/-1482.889 χ^2/NDF: 76.6/63

In: 117.109+/-1559.004 χ^2/NDF:46.7/52

Out: -1163.821+/-1457.410 χ^2/NDF:72.0/58

All: -566.449+/-1064.650 χ^2/NDF: 119.0/111



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

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

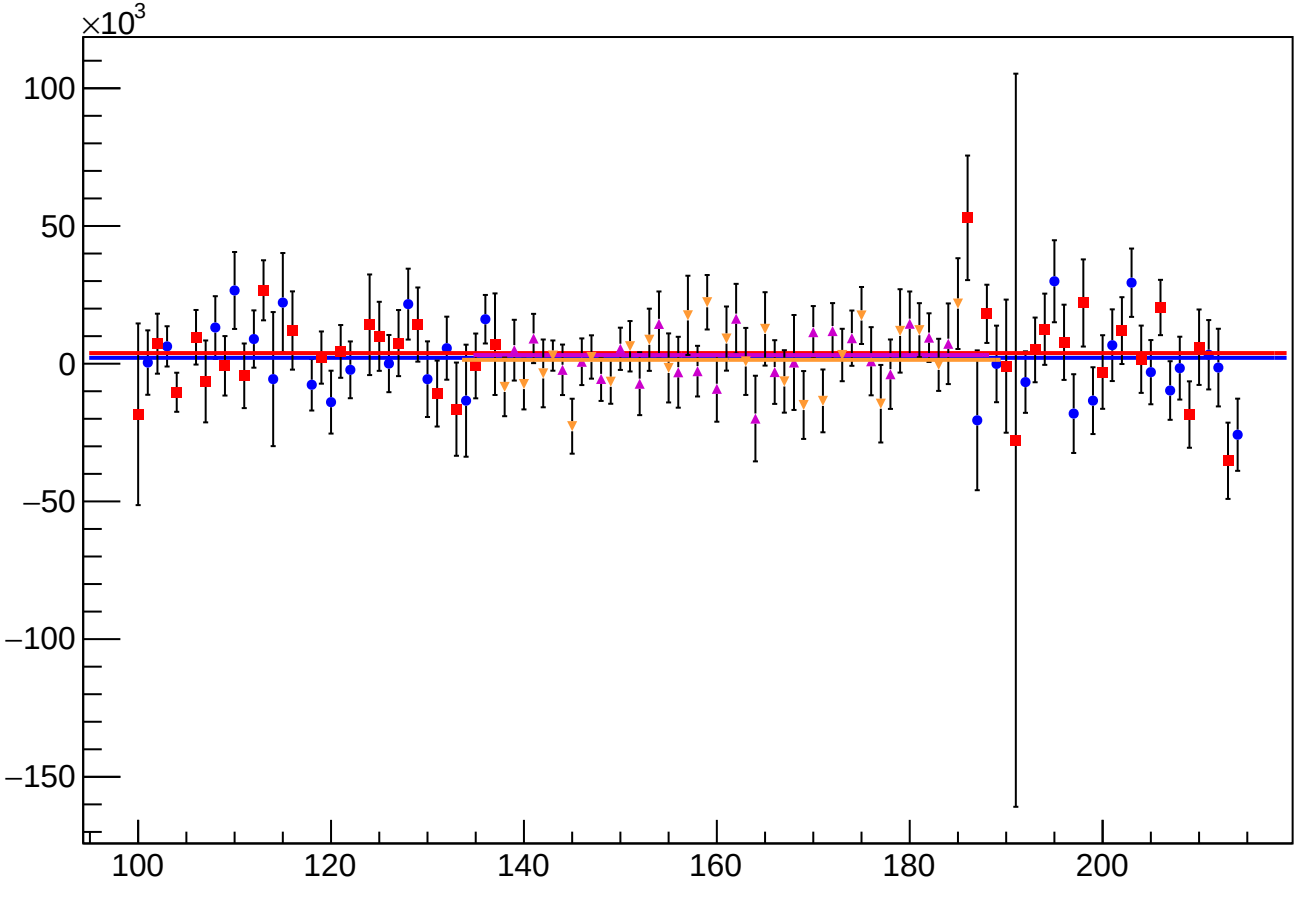
Right: 8684.999+/-1.049 χ^2/NDF: 5676721.7/63

In: 9184.865+/-1.102 χ^2/NDF:3426023.7/52

Out: 8650.369+/-1.031 χ^2/NDF:5683707.3/58

All: 8899.635+/-0.753 χ^2/NDF: 9235181.9/11

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

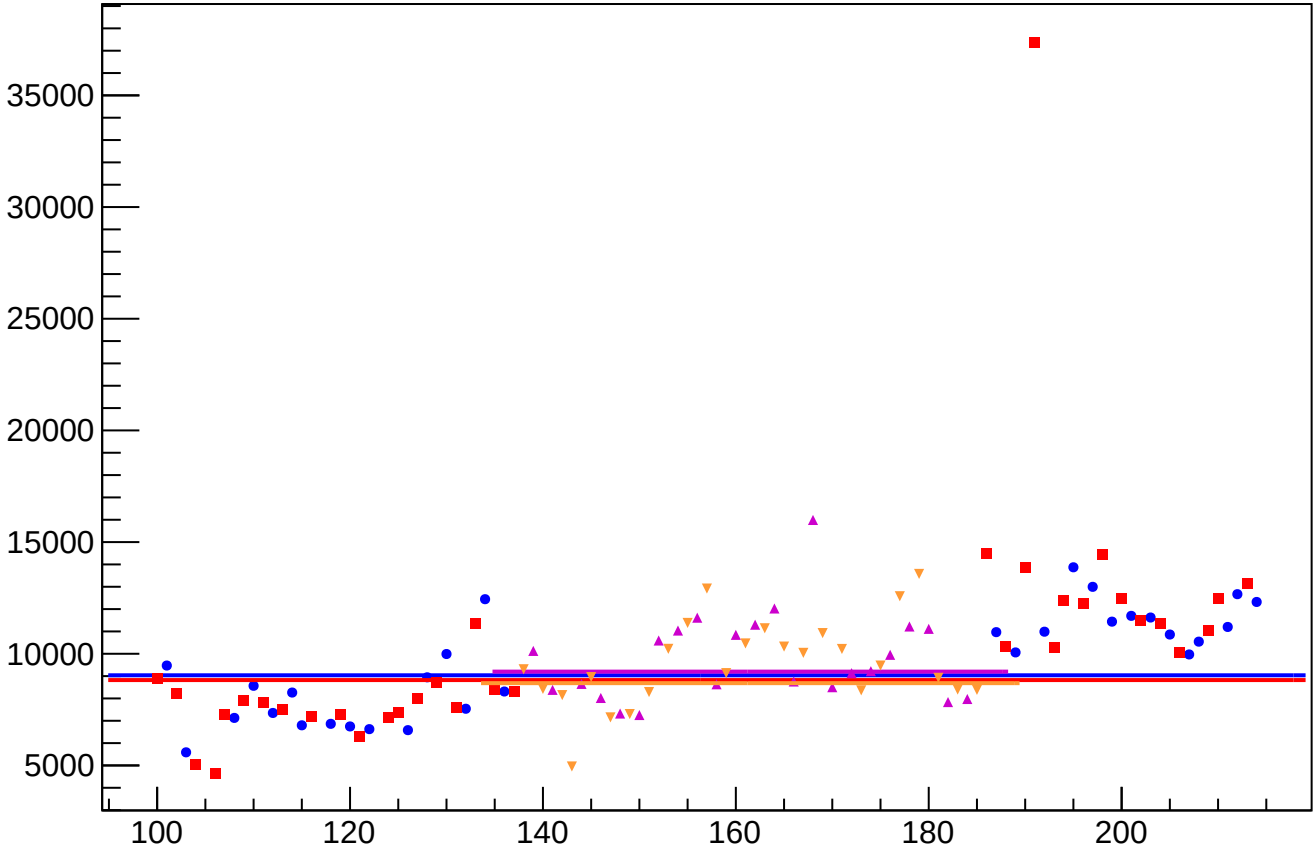
Right: 3015.053+/-1527.343 χ^2/NDF: 73.8/63

In: 2635.492+/-1546.813 χ^2/NDF:48.0/52

Out: 2576.511+/-1474.993 χ^2/NDF:66.7/58

All: 2604.600+/-1067.465 χ^2/NDF: 114.7/111

asym_at2_avg_rms vs Slug, Sign Corrected



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

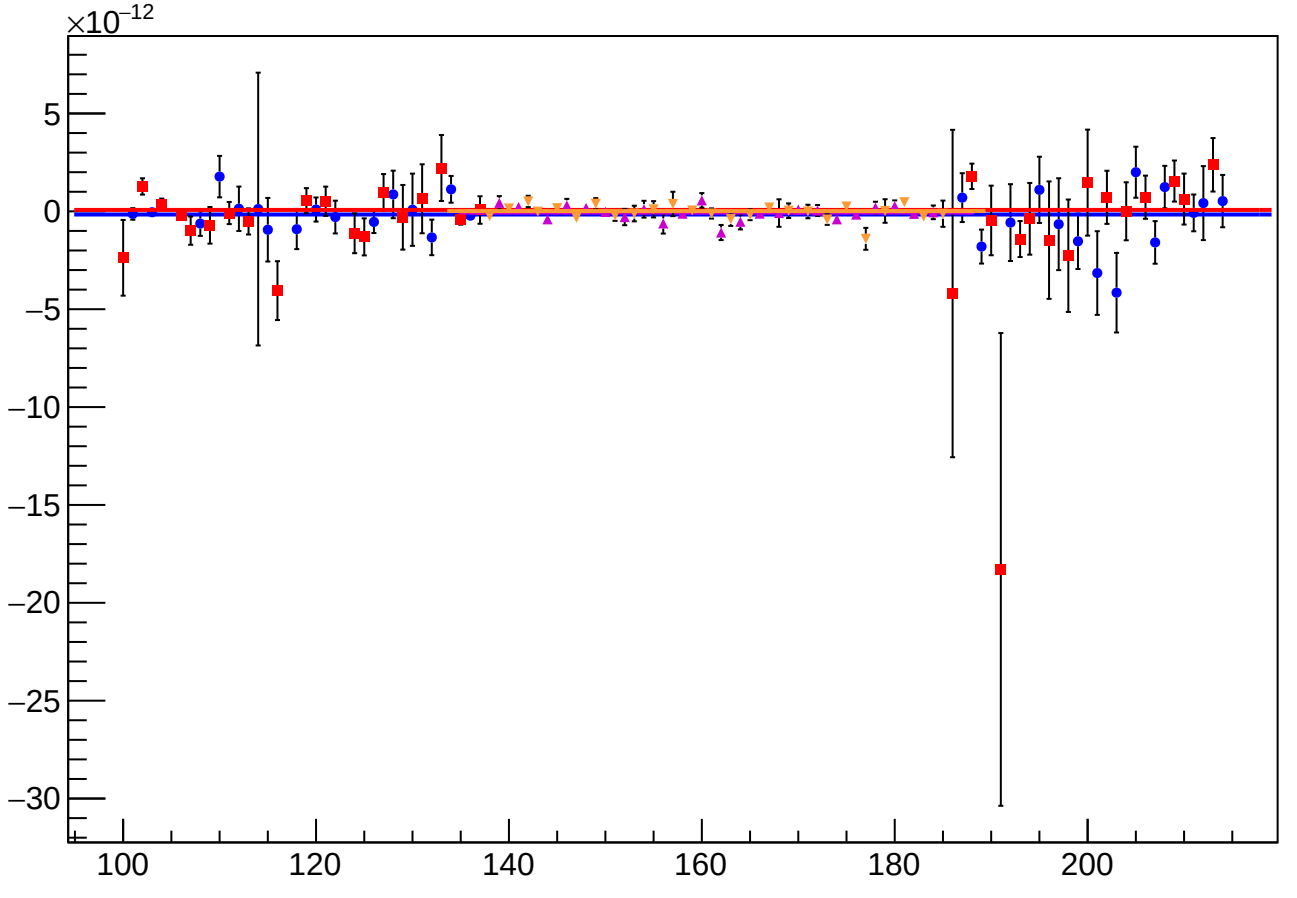
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 8926.965+/-1.080 χ^2/NDF: 5258325.6/63

In: 9118.540+/-1.094 χ^2/NDF:3364002.6/52

Out: 8750.309+/-1.043 χ^2/NDF:5075526.1/58

All: 8925.673+/-0.755 χ^2/NDF: 8498894.4/11



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

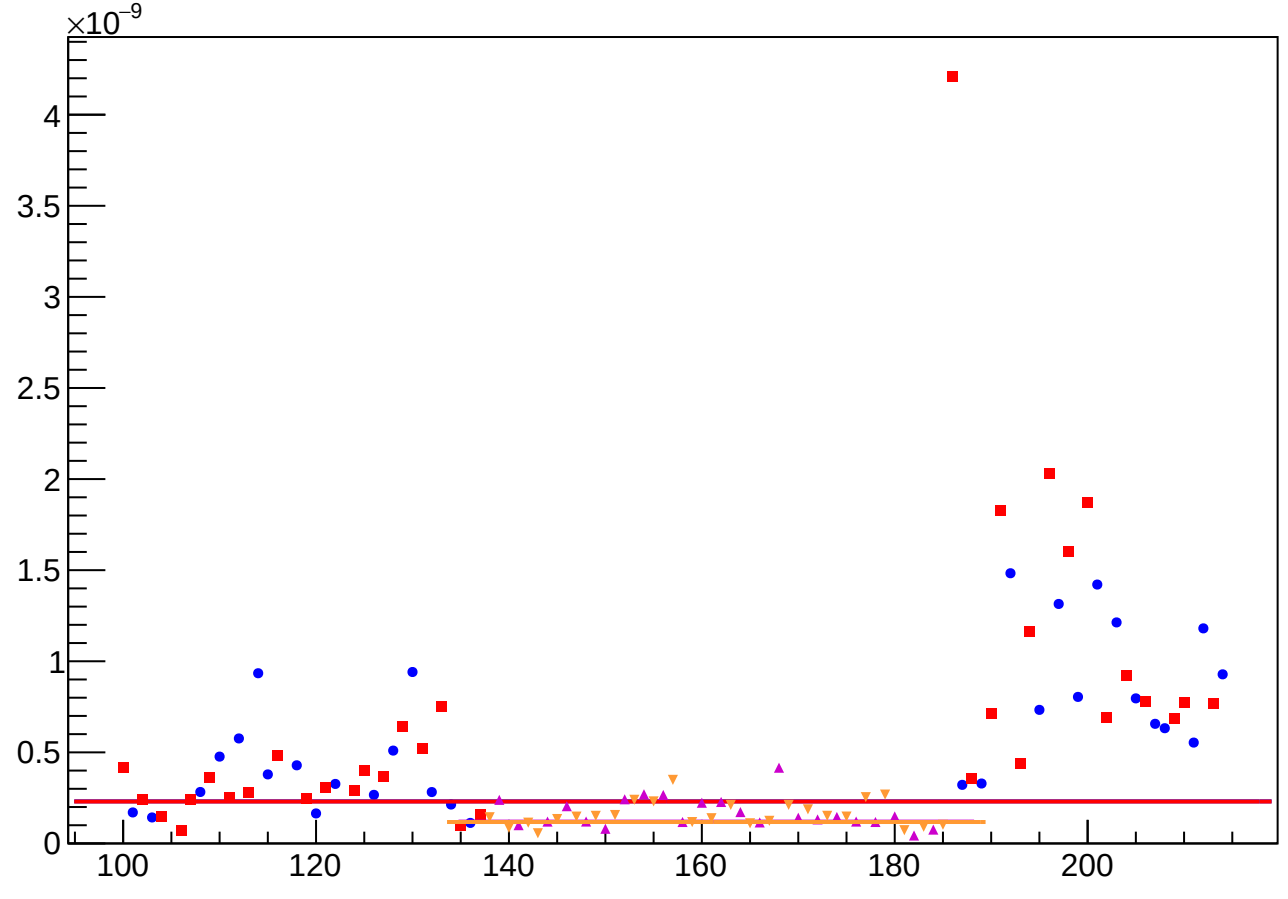
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 83.9/63

In: -0.000+/-0.000 χ^2/NDF:58.0/52

Out: 0.000+/-0.000 χ^2/NDF:81.3/58

All: -0.000+/-0.000 χ^2/NDF: 141.7/111



Right In: 0.000+/-0.000 χ^2/NDF: 7034081.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7501156.4/33

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

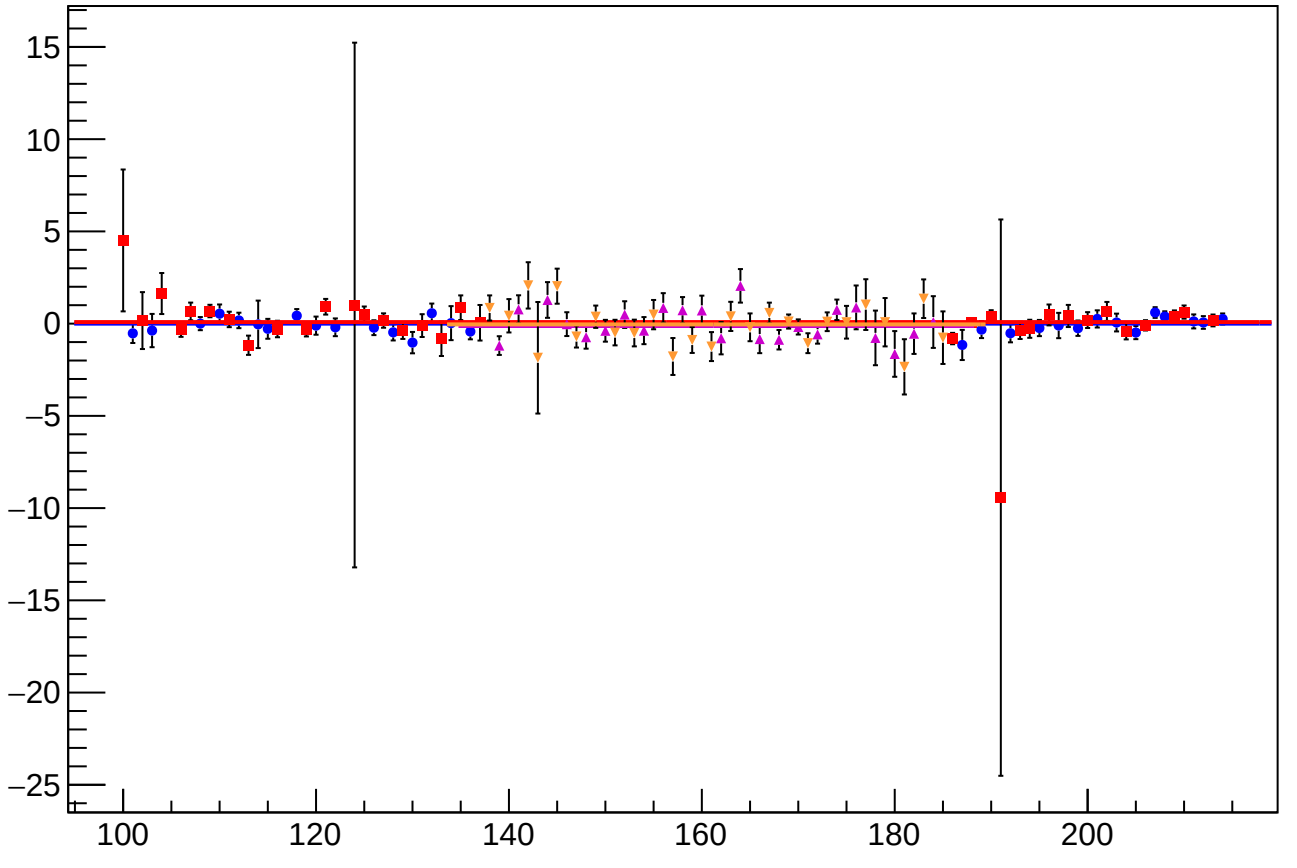
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 14535301.1/63

In: 0.000+/-0.000 χ^2/NDF:11281854.2/52

Out: 0.000+/-0.000 χ^2/NDF:11436032.2/58

All: 0.000+/-0.000 χ^2/NDF: 22727092.4/111



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

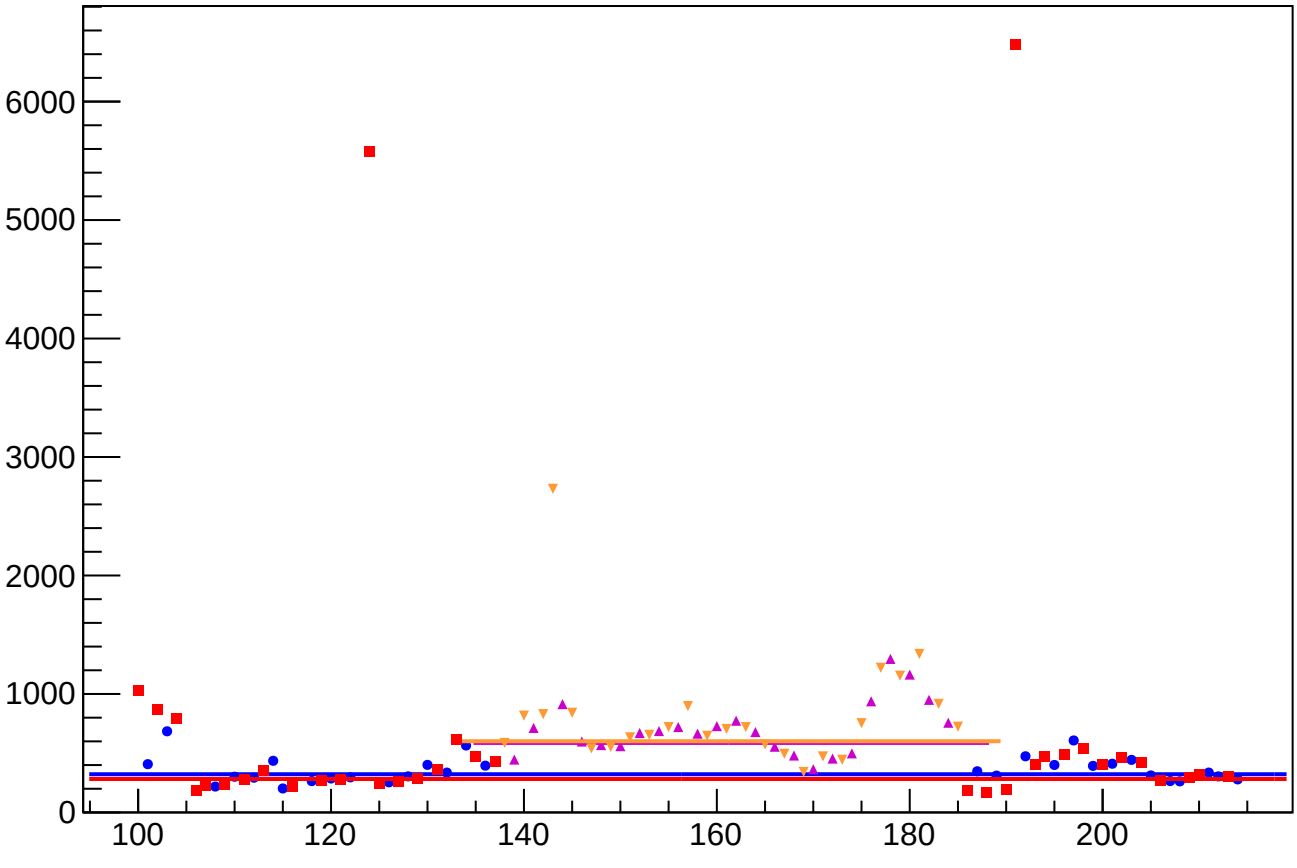
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.046+/-0.054 χ^2/NDF: 68.5/63

In: -0.029+/-0.070 χ^2/NDF:54.2/52

Out: 0.060+/-0.065 χ^2/NDF:74.0/58

All: 0.019+/-0.048 χ^2/NDF: 129.2/111



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

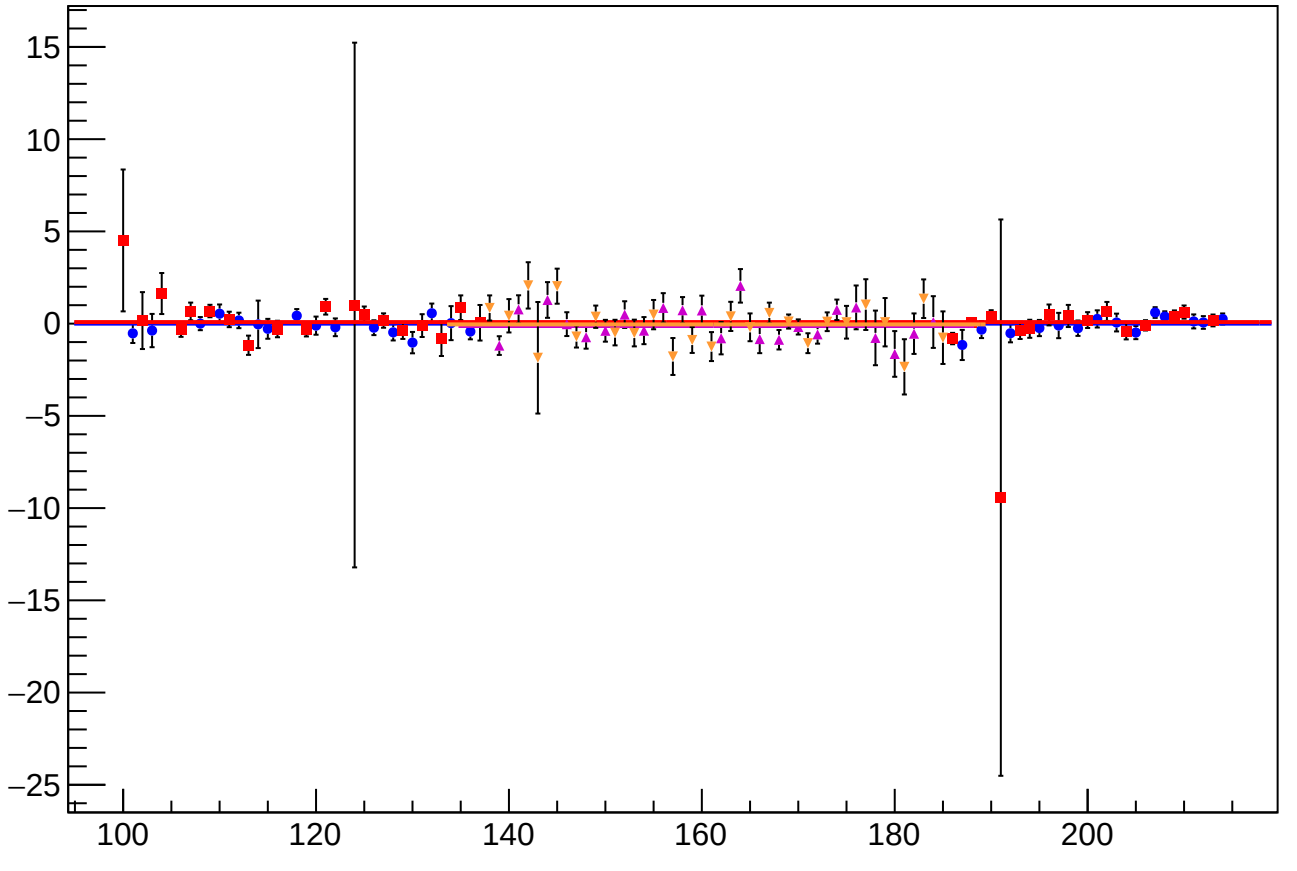
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 300.615+/-0.038 χ^2/NDF: 7413439.8/63

In: 383.484+/-0.049 χ^2/NDF:10147151.5/52

Out: 344.355+/-0.046 χ^2/NDF:17006898.6/58

All: 362.551+/-0.034 χ^2/NDF: 27490919.1/11



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

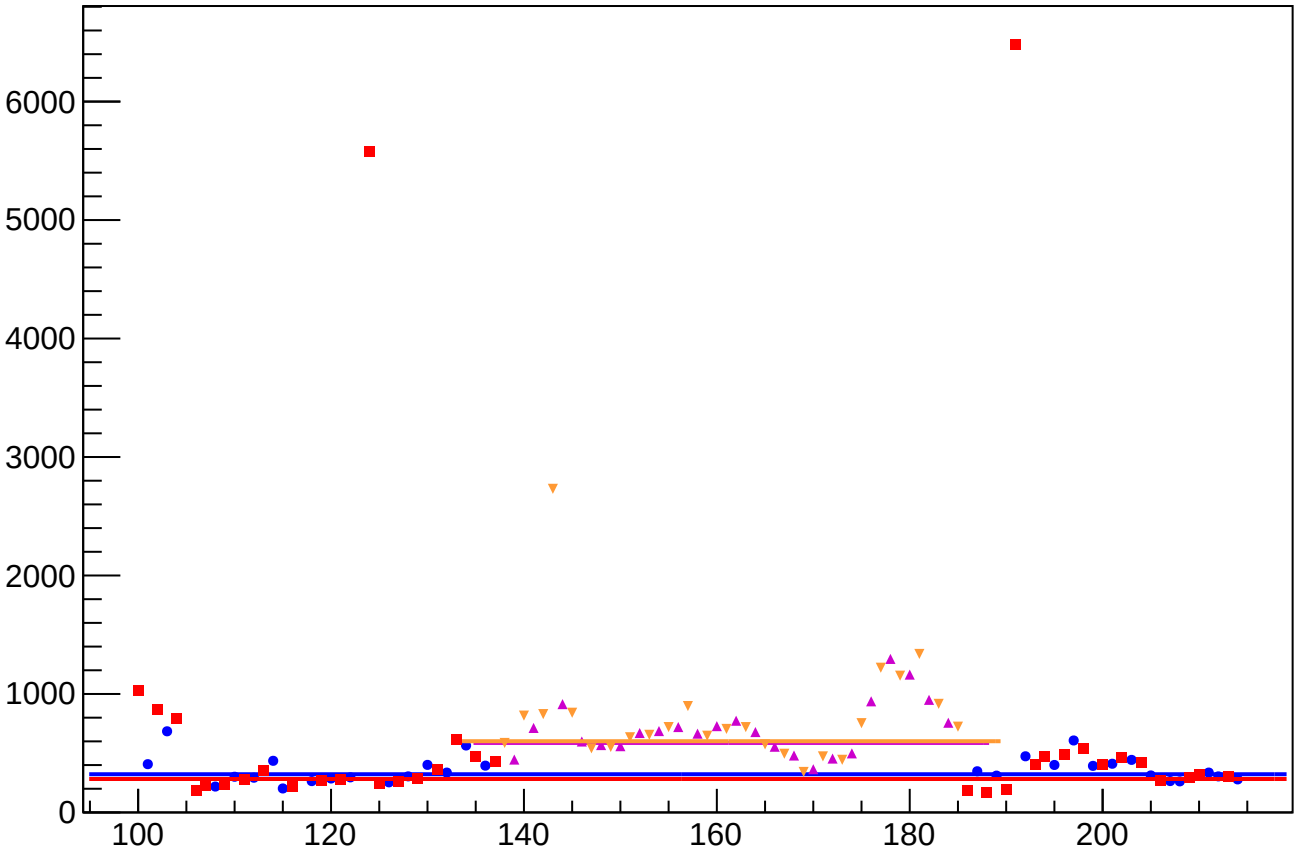
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.046+/-0.054 χ^2/NDF: 68.5/63

In: -0.029+/-0.070 χ^2/NDF:54.2/52

Out: 0.060+/-0.065 χ^2/NDF:74.0/58

All: 0.019+/-0.048 χ^2/NDF: 129.2/111



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

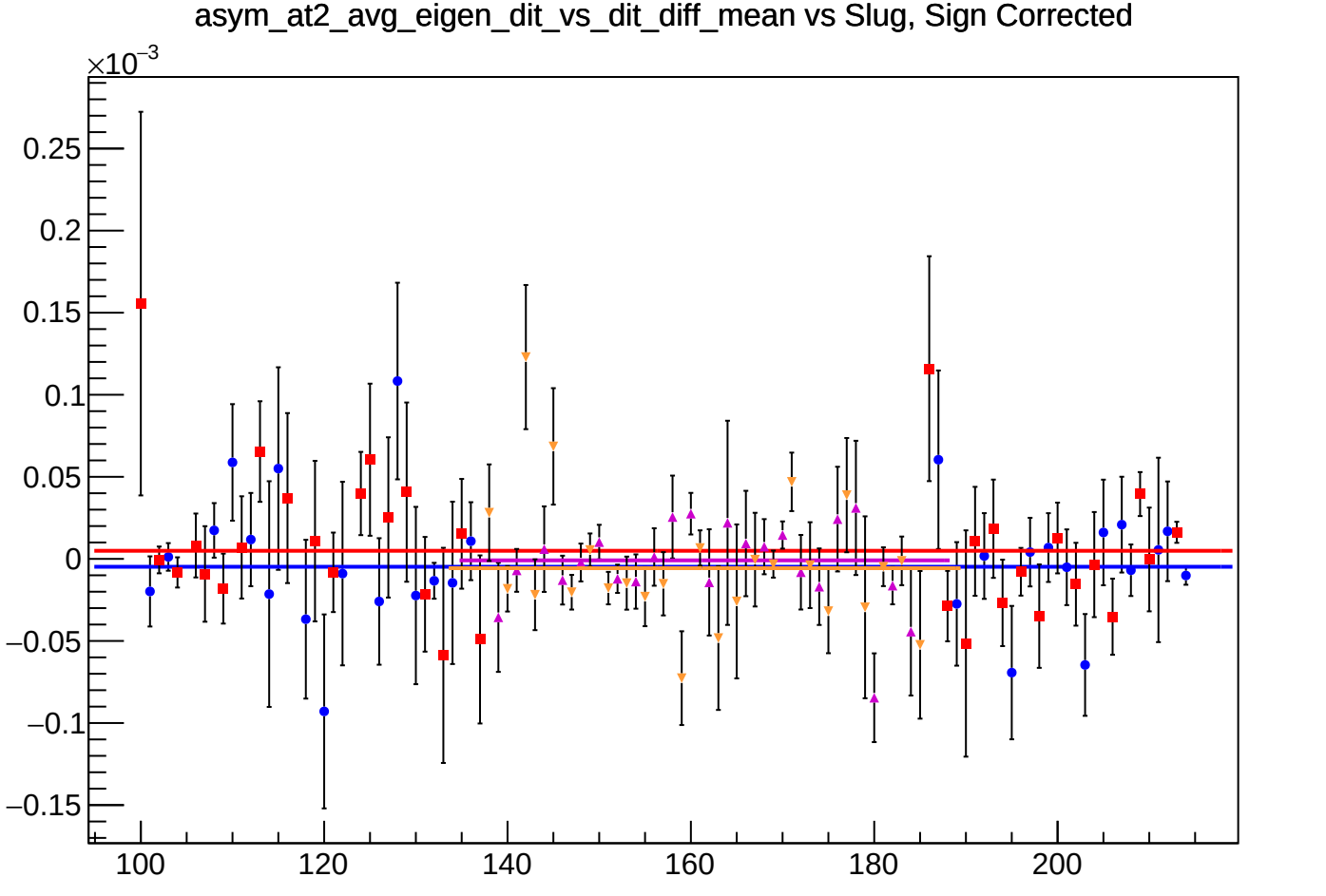
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

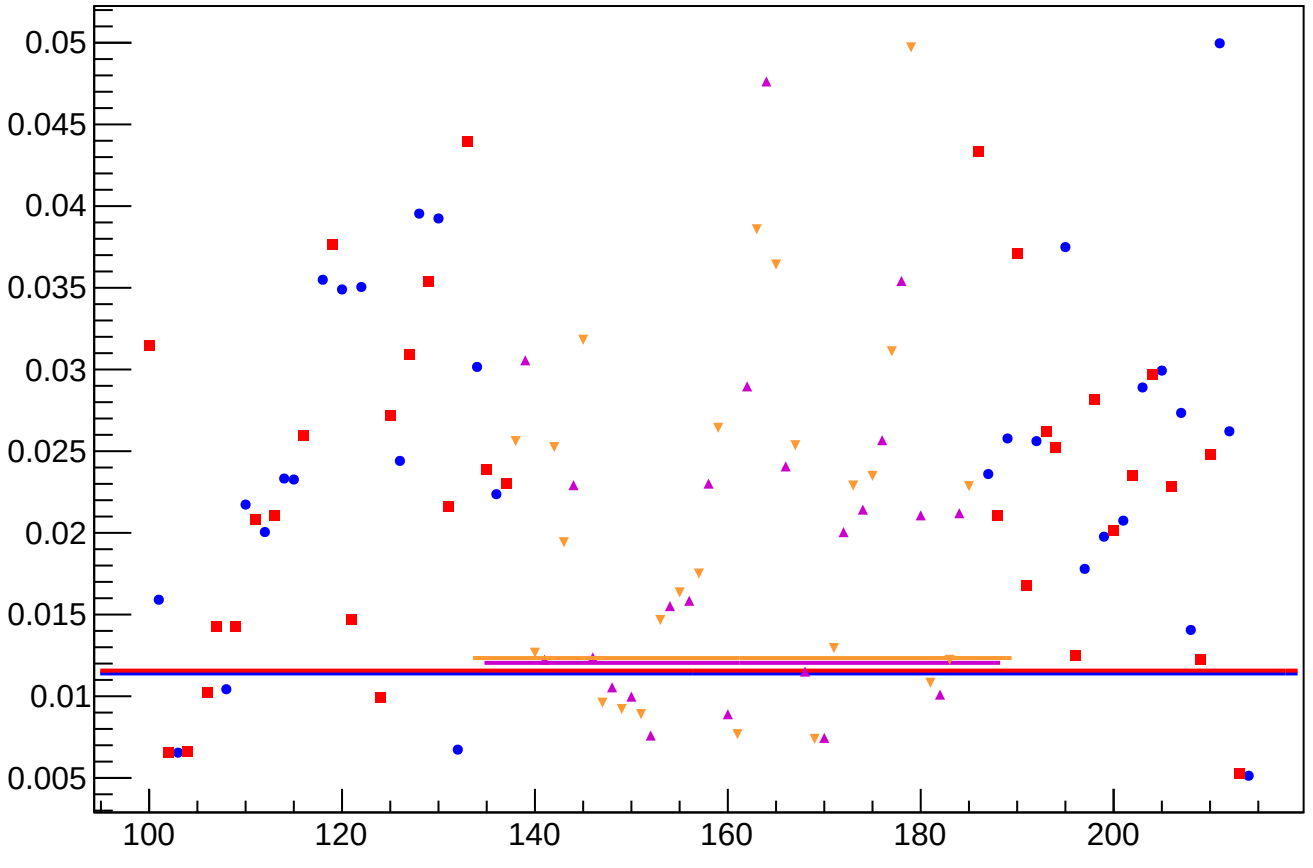
Right: 300.615+/-0.038 χ^2/NDF: 7413439.8/63

In: 383.484+/-0.049 χ^2/NDF:10147151.5/52

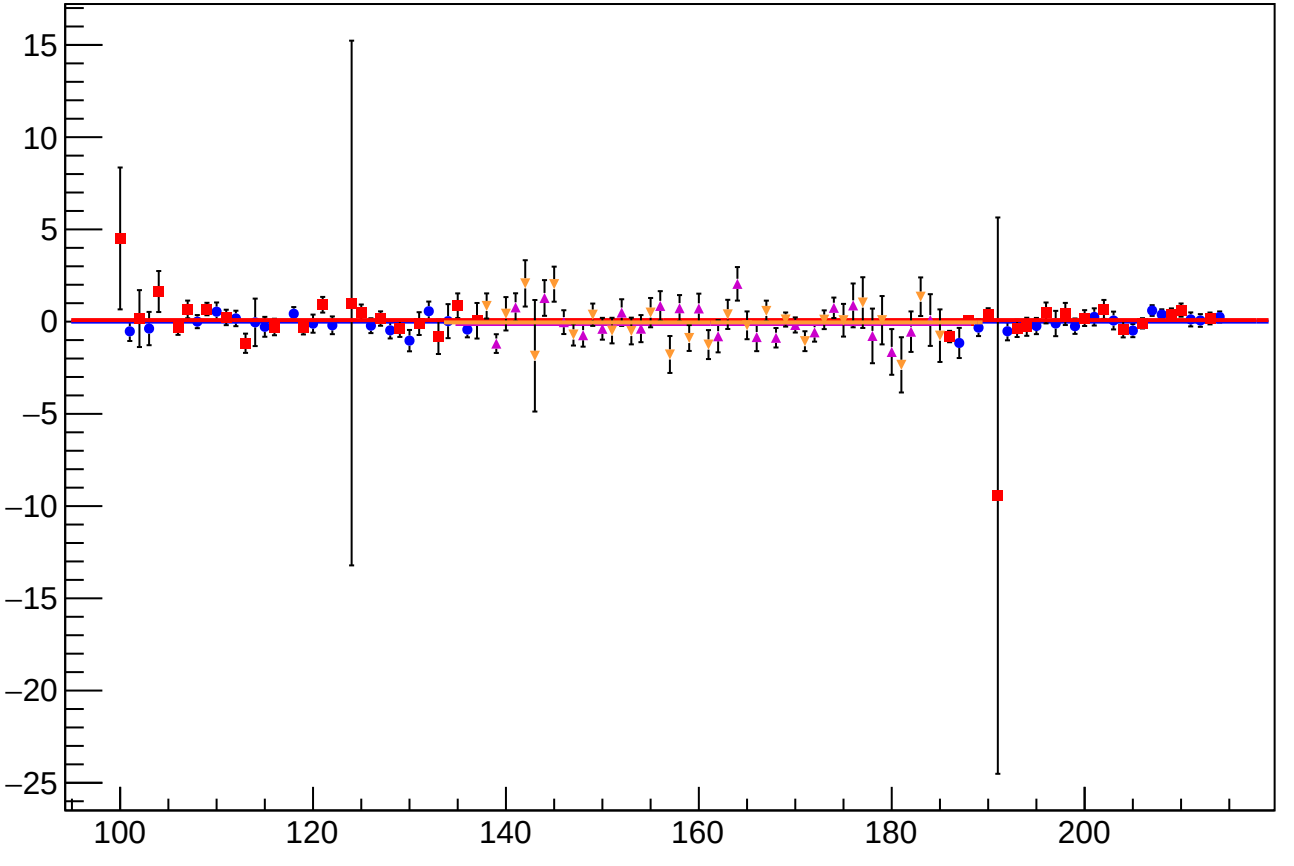
Out: 344.355+/-0.046 χ^2/NDF:17006898.6/58

All: 362.551+/-0.034 χ^2/NDF: 27490919.1/11


asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
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: 26.3/29
Left Out: -0.000+/-0.000 χ²/NDF:42.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 40.3/33
Left In: -0.000+/-0.000 χ²/NDF:30.2/22
Left: -0.000+/-0.000 χ²/NDF: 73.9/47
Right: 0.000+/-0.000 χ²/NDF: 70.8/63
In: -0.000+/-0.000 χ²/NDF:57.2/52
Out: -0.000+/-0.000 χ²/NDF:88.1/58
All: -0.000+/-0.000 χ²/NDF: 145.8/111


asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.011+/-0.000 χ²/NDF: 13194601.2/29
Left Out: 0.012+/-0.000 χ²/NDF:7839123.8/24
Right Out: 0.012+/-0.000 χ²/NDF: 11427831.0/33
Left In: 0.012+/-0.000 χ²/NDF:6379401.9/22
Left: 0.012+/-0.000 χ²/NDF: 14226676.0/47
Right: 0.011+/-0.000 χ²/NDF: 24625066.6/63
In: 0.012+/-0.000 χ²/NDF:19611276.6/52
Out: 0.012+/-0.000 χ²/NDF:19322289.2/58
All: 0.012+/-0.000 χ²/NDF: 38942807.5/111

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

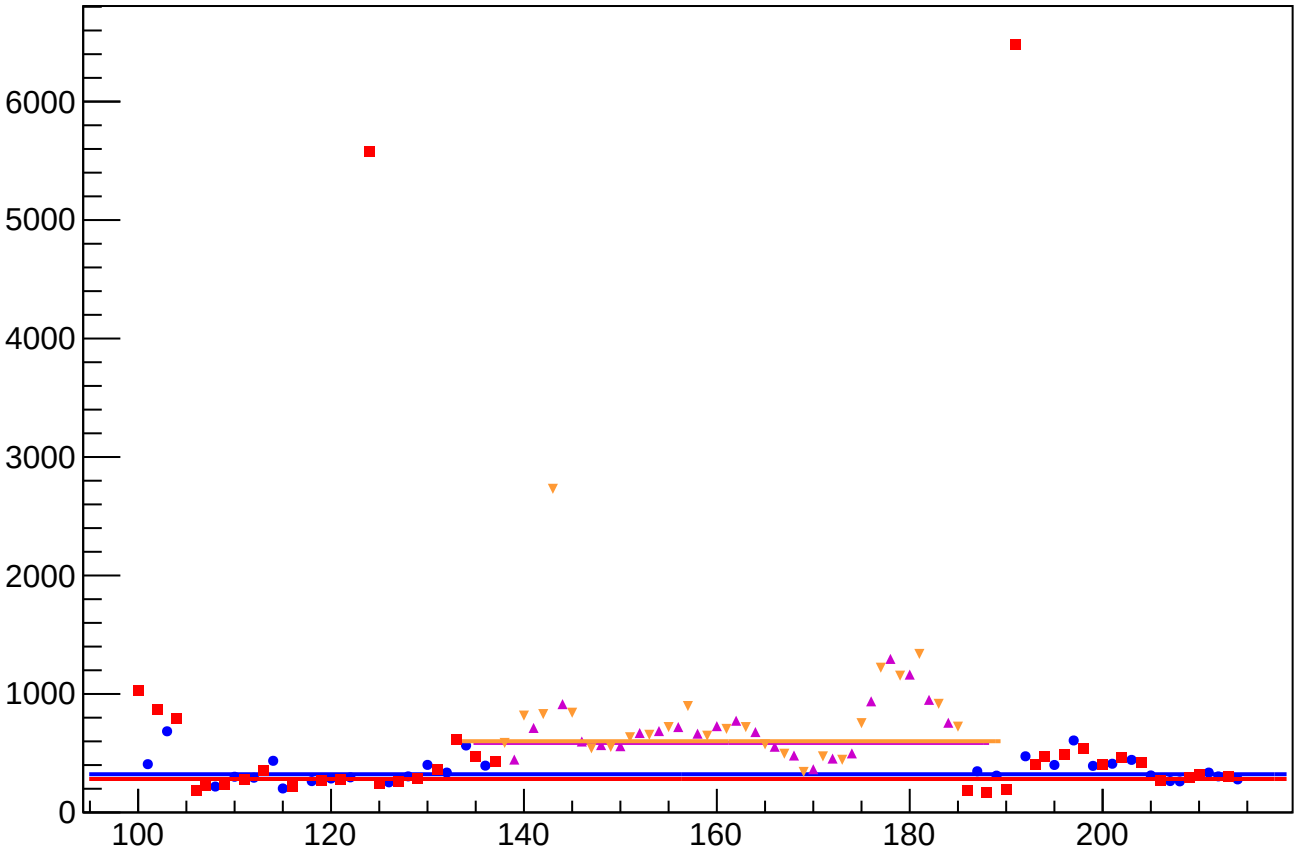
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.046+/-0.054 χ^2/NDF: 68.5/63

In: -0.029+/-0.070 χ^2/NDF:54.2/52

Out: 0.060+/-0.065 χ^2/NDF:74.0/58

All: 0.019+/-0.048 χ^2/NDF: 129.2/111



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

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

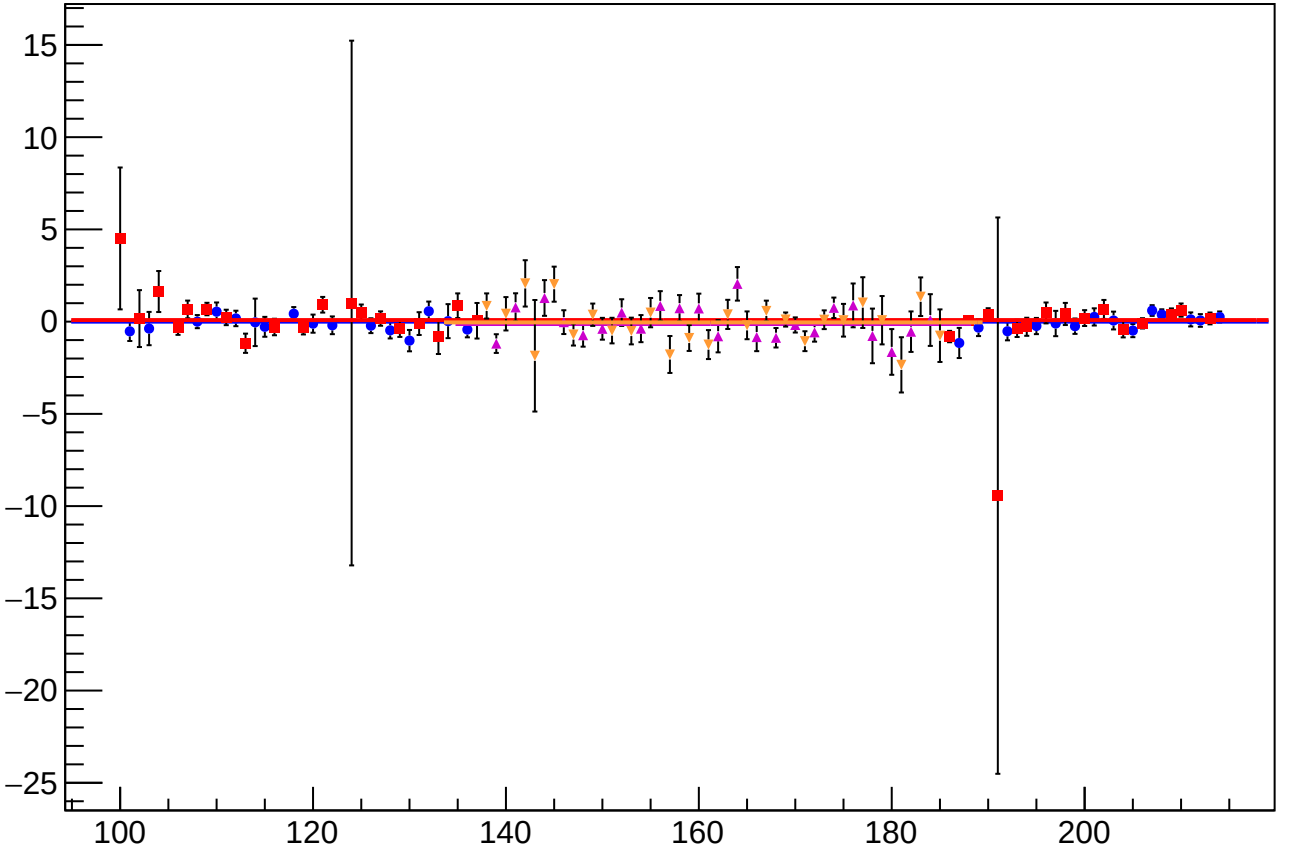
Right: 300.611+/-0.038 χ^2/NDF: 7413834.4/63

In: 383.483+/-0.049 χ^2/NDF:10147367.4/52

Out: 344.349+/-0.046 χ^2/NDF:17007729.0/58

All: 362.547+/-0.034 χ^2/NDF: 27492070.7/11

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

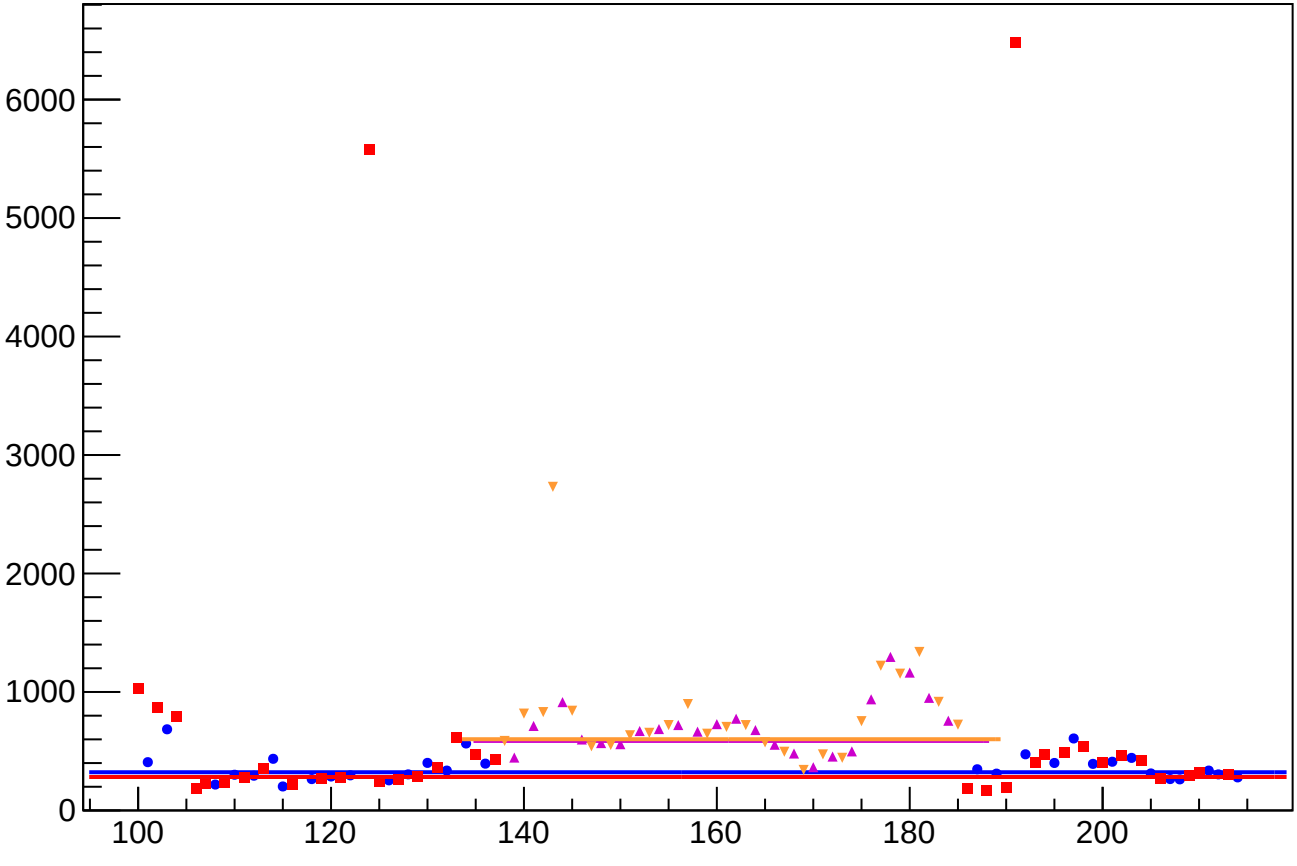
Right: 0.046+/-0.054 χ^2/NDF: 68.5/63

In: -0.029+/-0.070 χ^2/NDF:54.2/52

Out: 0.060+/-0.065 χ^2/NDF:74.0/58

All: 0.019+/-0.048 χ^2/NDF: 129.2/111

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

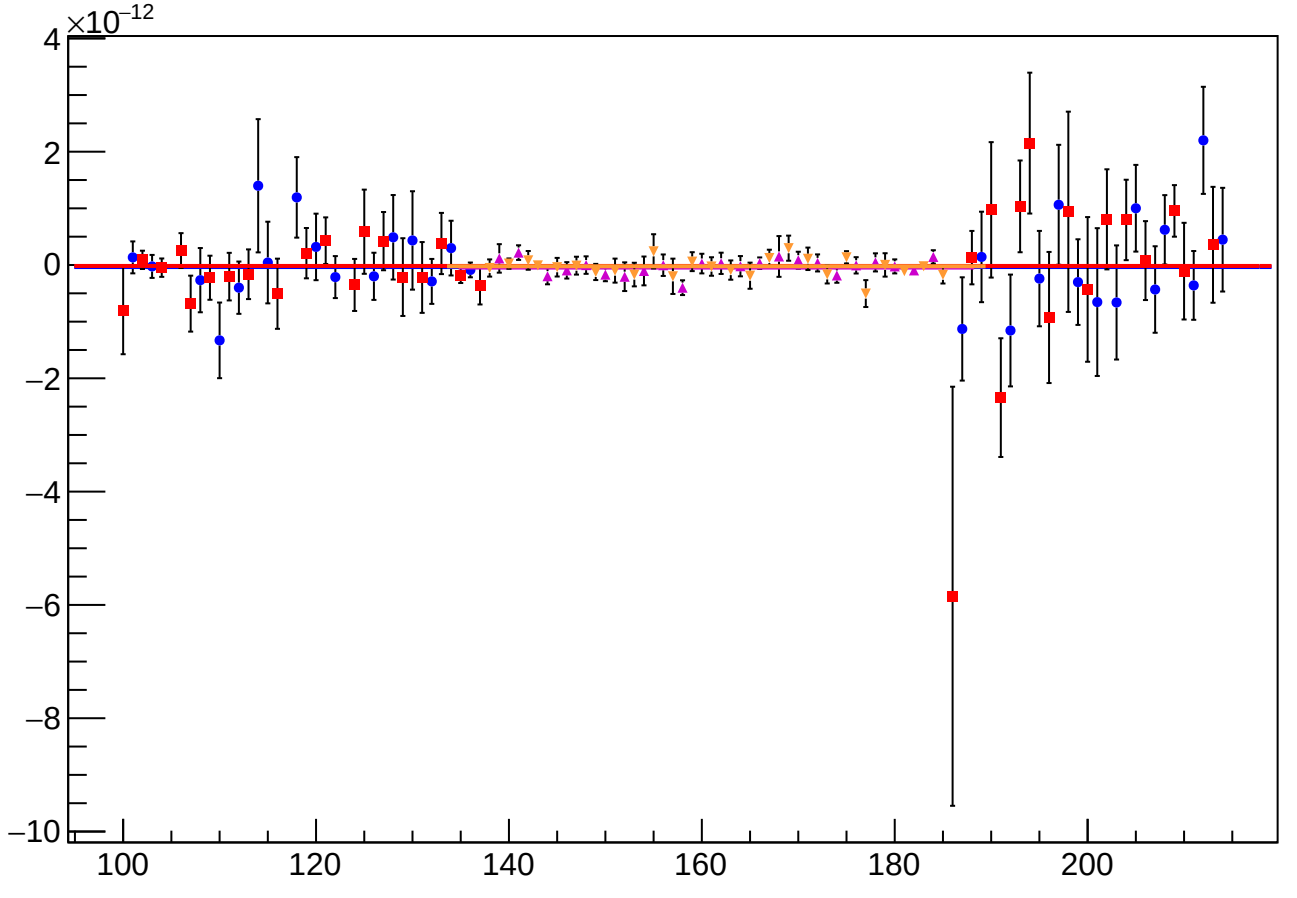
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 300.611+/-0.038 χ^2/NDF: 7413834.4/63

In: 383.483+/-0.049 χ^2/NDF:10147367.4/52

Out: 344.349+/-0.046 χ^2/NDF:17007729.0/58

All: 362.547+/-0.034 χ^2/NDF: 27492070.7/11



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

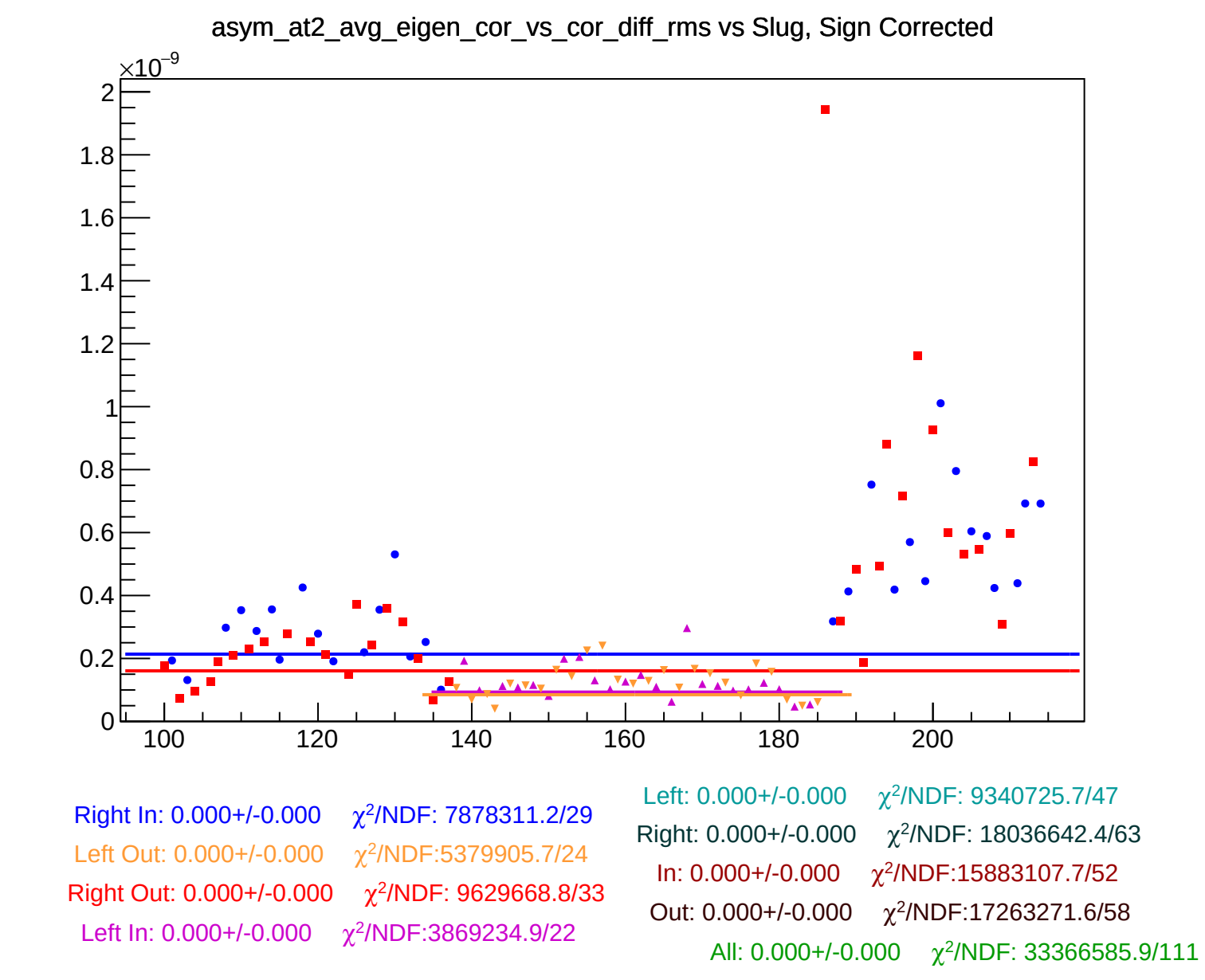
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 58.8/63

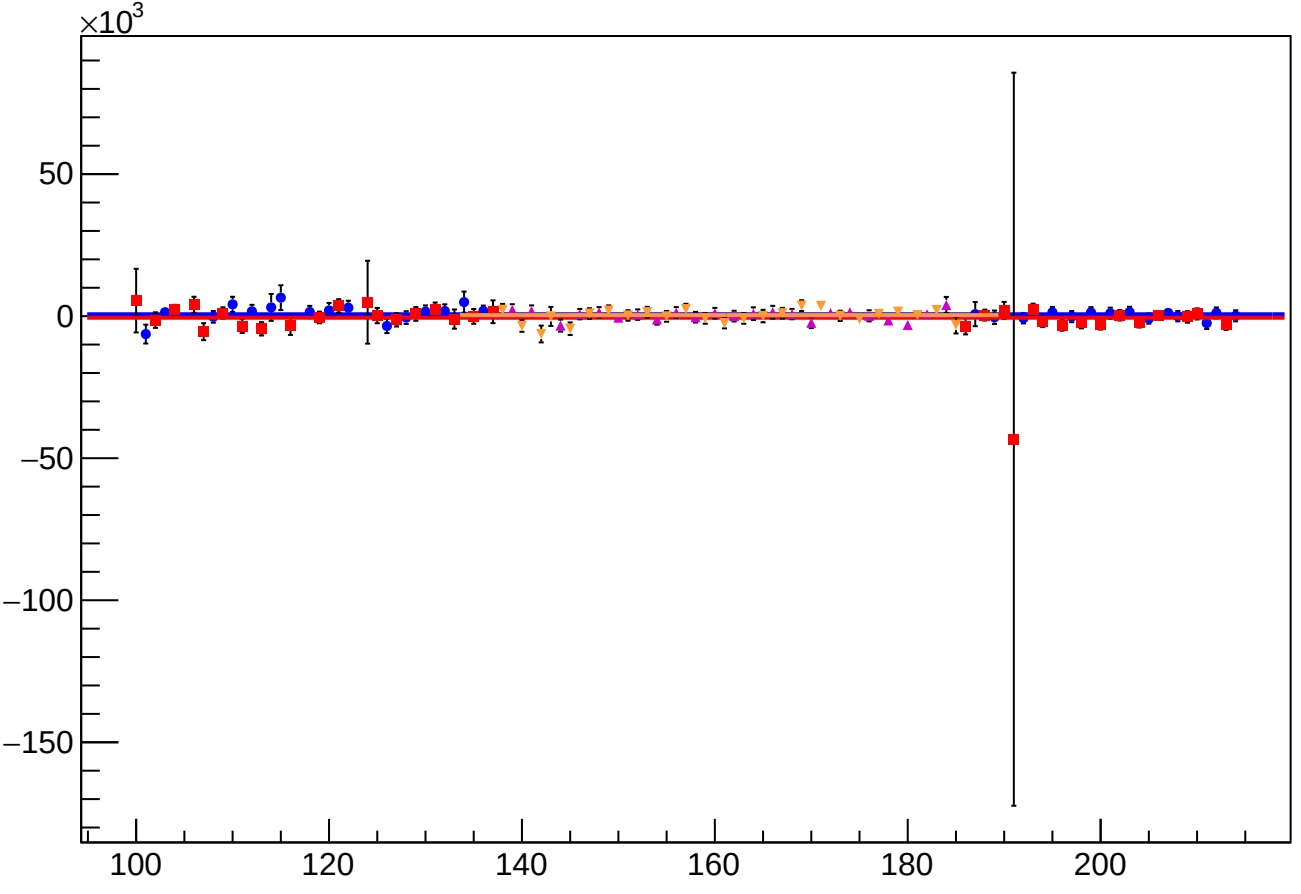
In: -0.000+/-0.000 χ^2/NDF:48.1/52

Out: -0.000+/-0.000 χ^2/NDF:49.0/58

All: -0.000+/-0.000 χ^2/NDF: 97.4/111


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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
Left: 0.000+/-0.000 χ²/NDF: 9340725.7/47
Right: 0.000+/-0.000 χ²/NDF: 18036642.4/63
In: 0.000+/-0.000 χ²/NDF:15883107.7/52
Out: 0.000+/-0.000 χ²/NDF:17263271.6/58
All: 0.000+/-0.000 χ²/NDF: 33366585.9/111

reg_asym_at2_dd_mean vs Slug, Sign Corrected



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

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

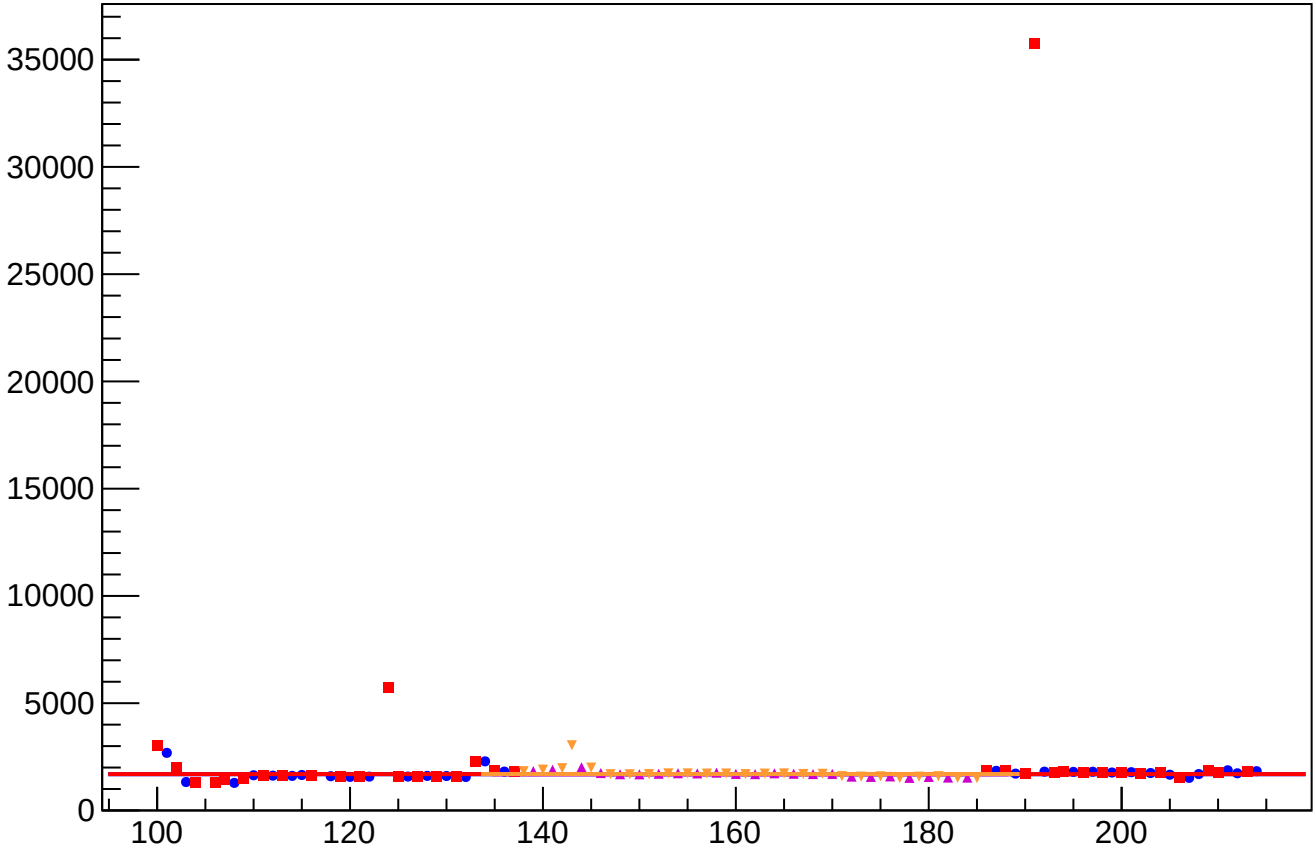
Right: 54.857+/-280.550 χ^2/NDF: 55.5/63

In: 410.721+/-279.836 χ^2/NDF:36.6/52

Out: -87.426+/-277.280 χ^2/NDF:63.3/58

All: 159.362+/-196.964 χ^2/NDF: 101.5/111

reg_asym_at2_dd_rms vs Slug, Sign Corrected



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

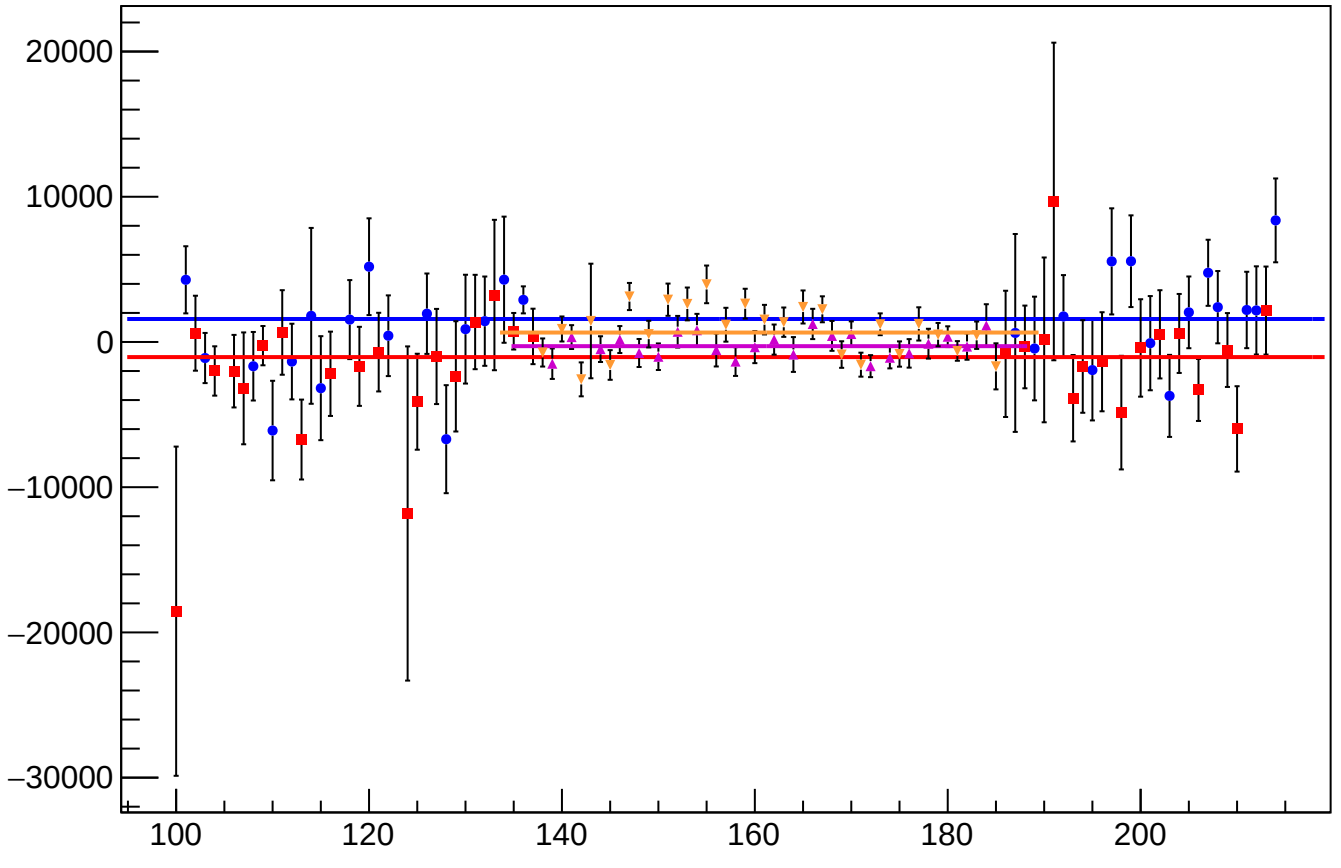
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1690.940+/-0.198 χ^2/NDF: 1239989.9/63

In: 1685.994+/-0.198 χ^2/NDF:684384.9/52

Out: 1695.994+/-0.196 χ^2/NDF:1216160.7/58

All: 1691.040+/-0.139 χ^2/NDF: 1901834.5/11



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

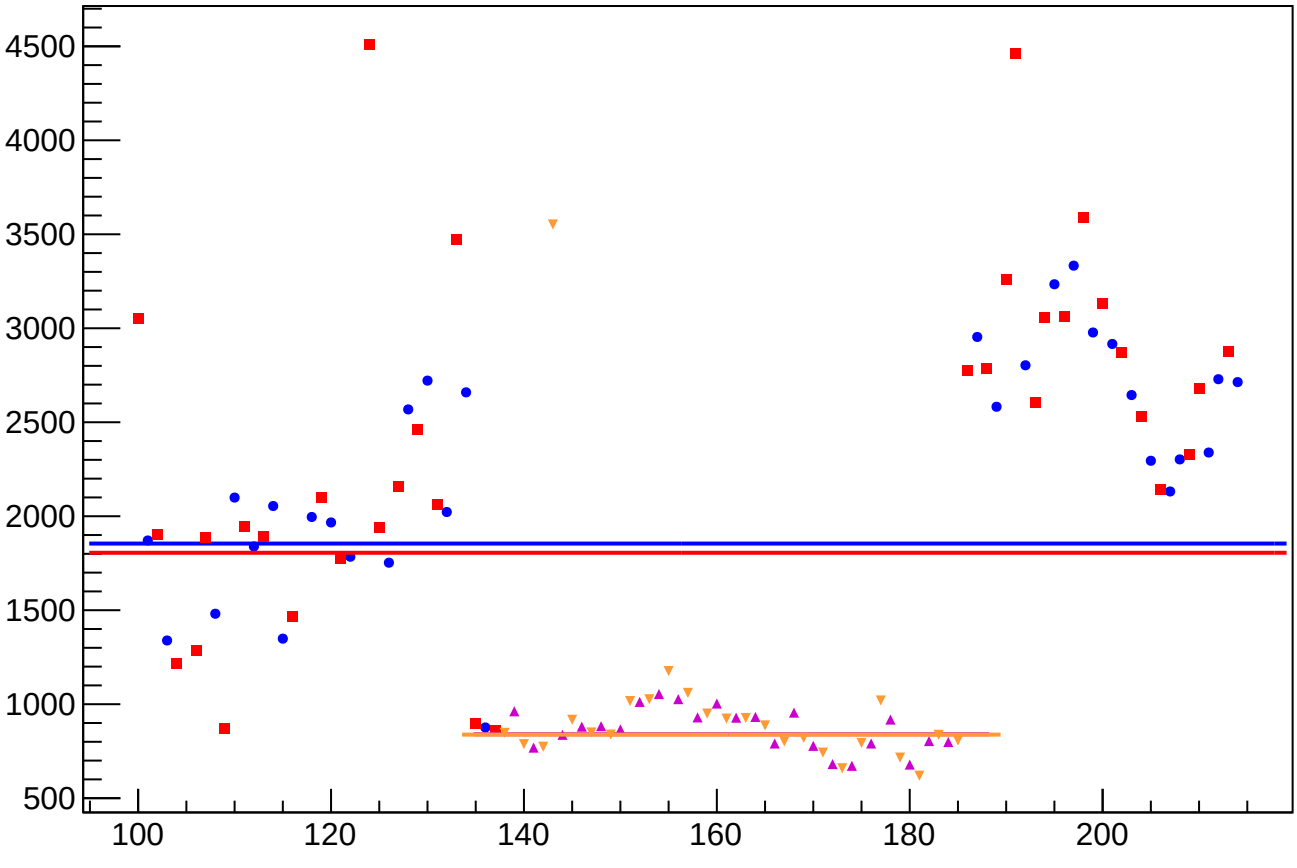
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 249.277+/-327.850 χ^2/NDF: 77.3/63

In: -2.811+/-182.706 χ^2/NDF:68.3/52

Out: 390.108+/-180.053 χ^2/NDF:100.1/58

All: 196.522+/-128.244 χ^2/NDF: 170.7/111



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

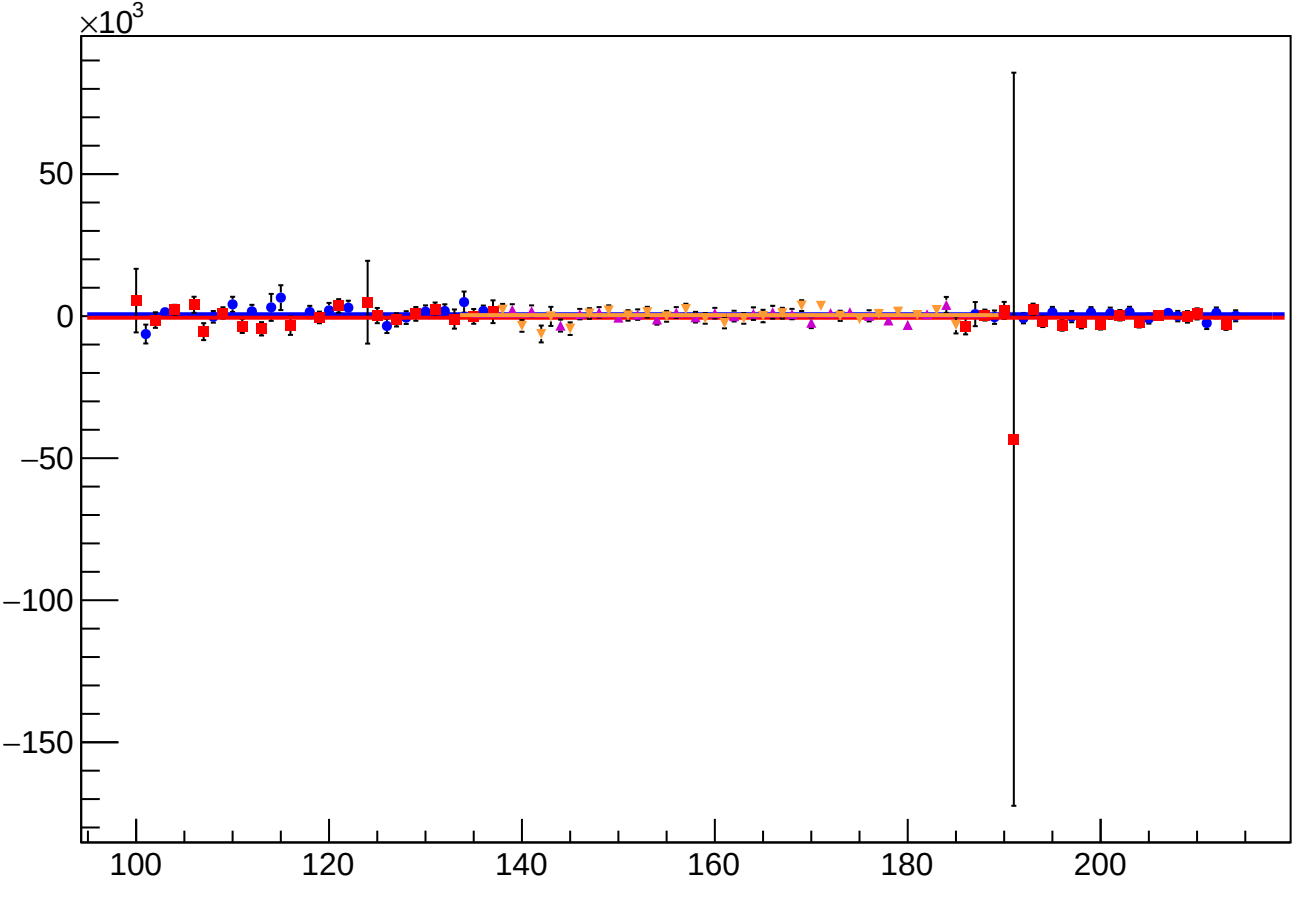
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1829.748+/-0.232 χ^2/NDF: 11270882.8/63

In: 994.967+/-0.129 χ^2/NDF:13605376.4/52

Out: 986.514+/-0.127 χ^2/NDF:15599726.4/58

All: 990.678+/-0.091 χ^2/NDF: 29207274.6/11



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

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

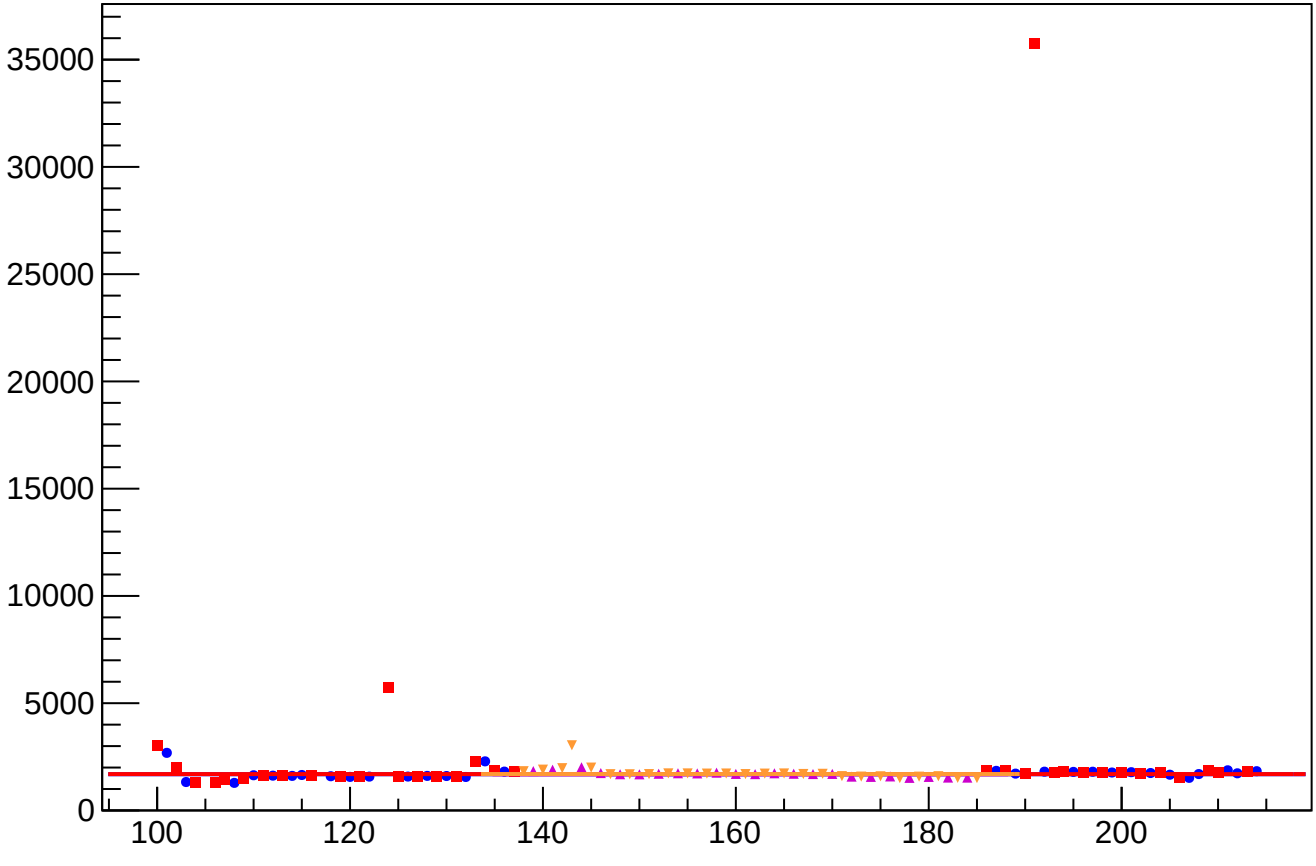
Right: 54.830+/-280.550 χ^2/NDF: 55.5/63

In: 410.695+/-279.836 χ^2/NDF:36.6/52

Out: -87.517+/-277.280 χ^2/NDF:63.3/58

All: 159.304+/-196.964 χ^2/NDF: 101.5/111

cor_asym_at2_dd_rms vs Slug, Sign Corrected



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

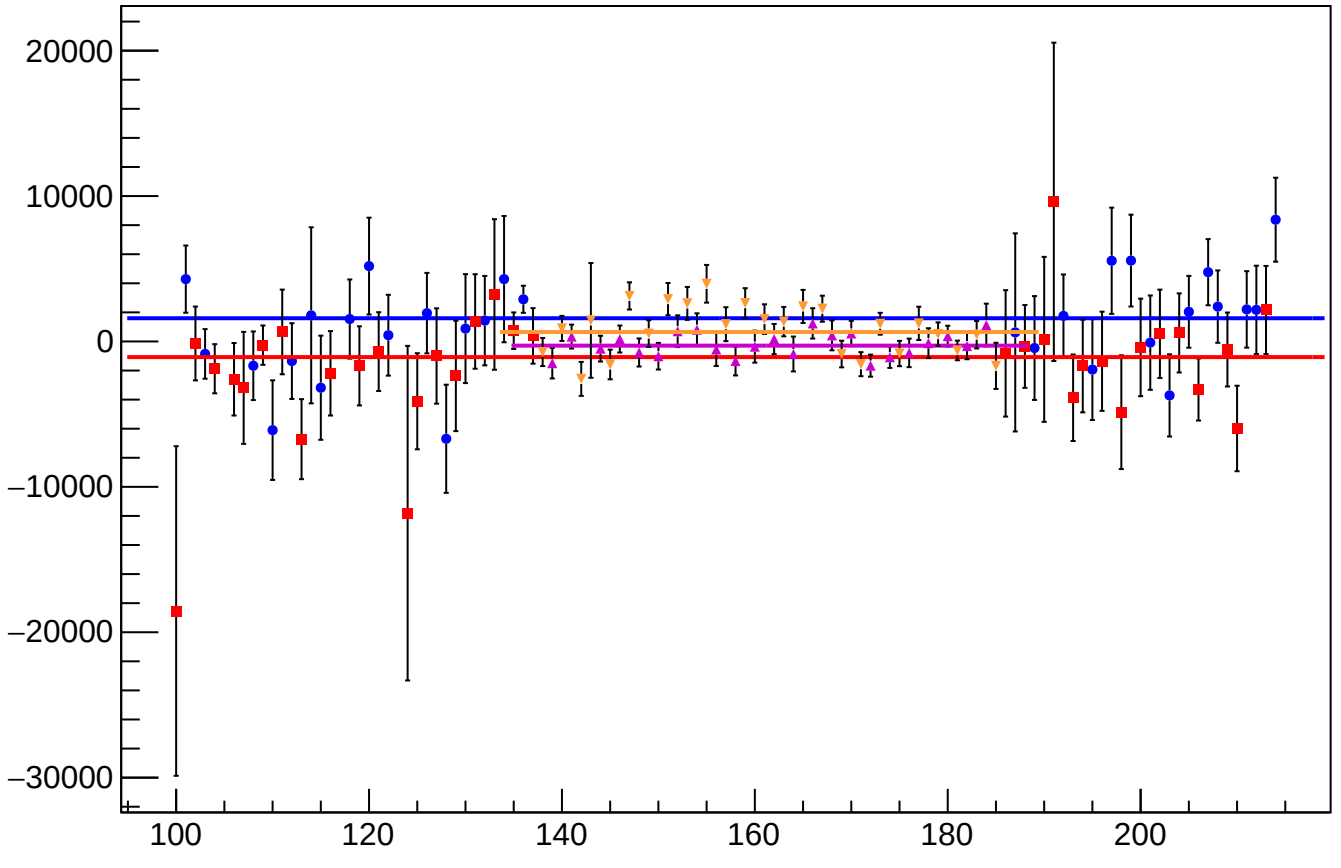
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1690.939+/-0.198 χ^2/NDF: 1239990.4/63

In: 1685.994+/-0.198 χ^2/NDF:684385.3/52

Out: 1695.994+/-0.196 χ^2/NDF:1216160.9/58

All: 1691.040+/-0.139 χ^2/NDF: 1901834.9/11



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

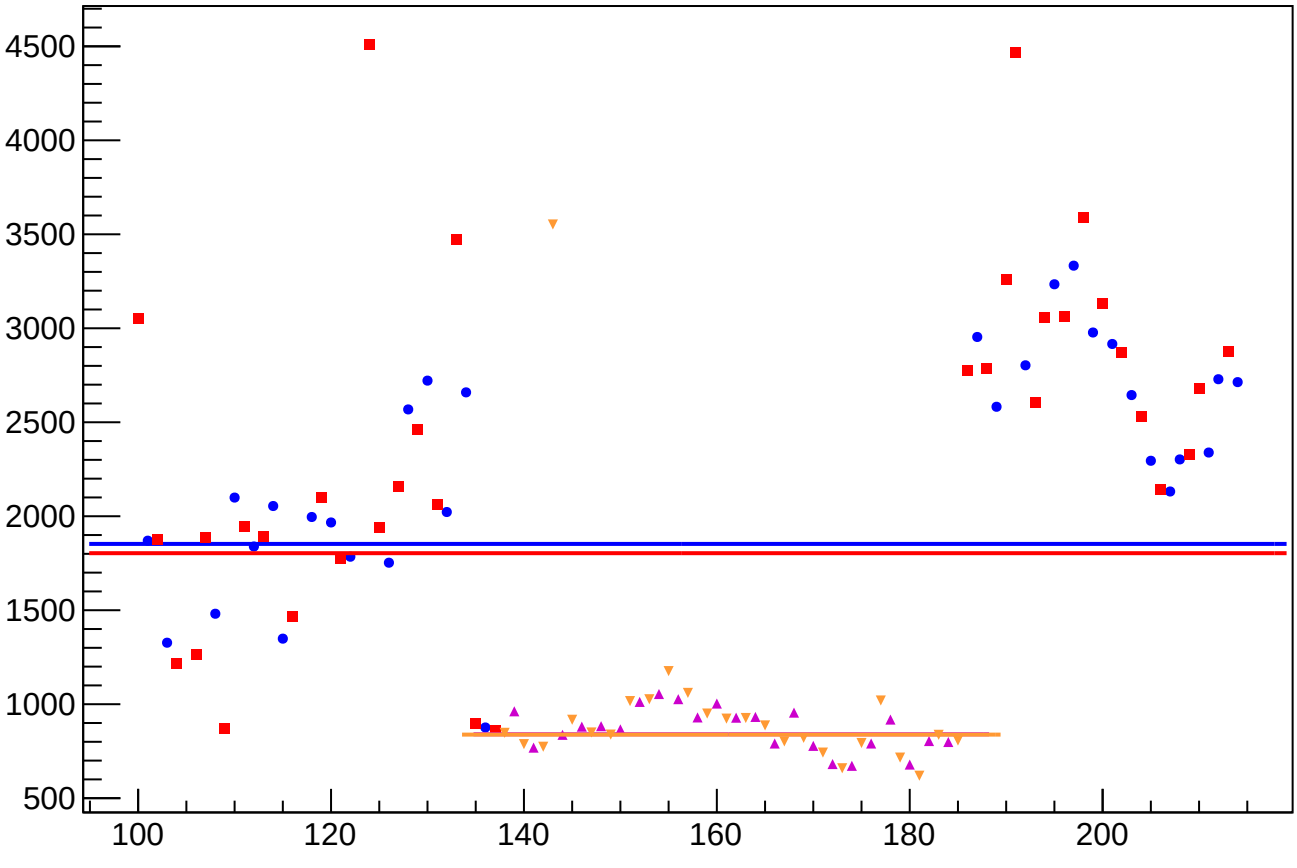
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 238.498+/-327.544 χ^2/NDF: 77.4/63

In: -0.173+/-182.680 χ^2/NDF:68.1/52

Out: 384.326+/-180.029 χ^2/NDF:100.5/58

All: 194.887+/-128.227 χ^2/NDF: 170.8/111



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

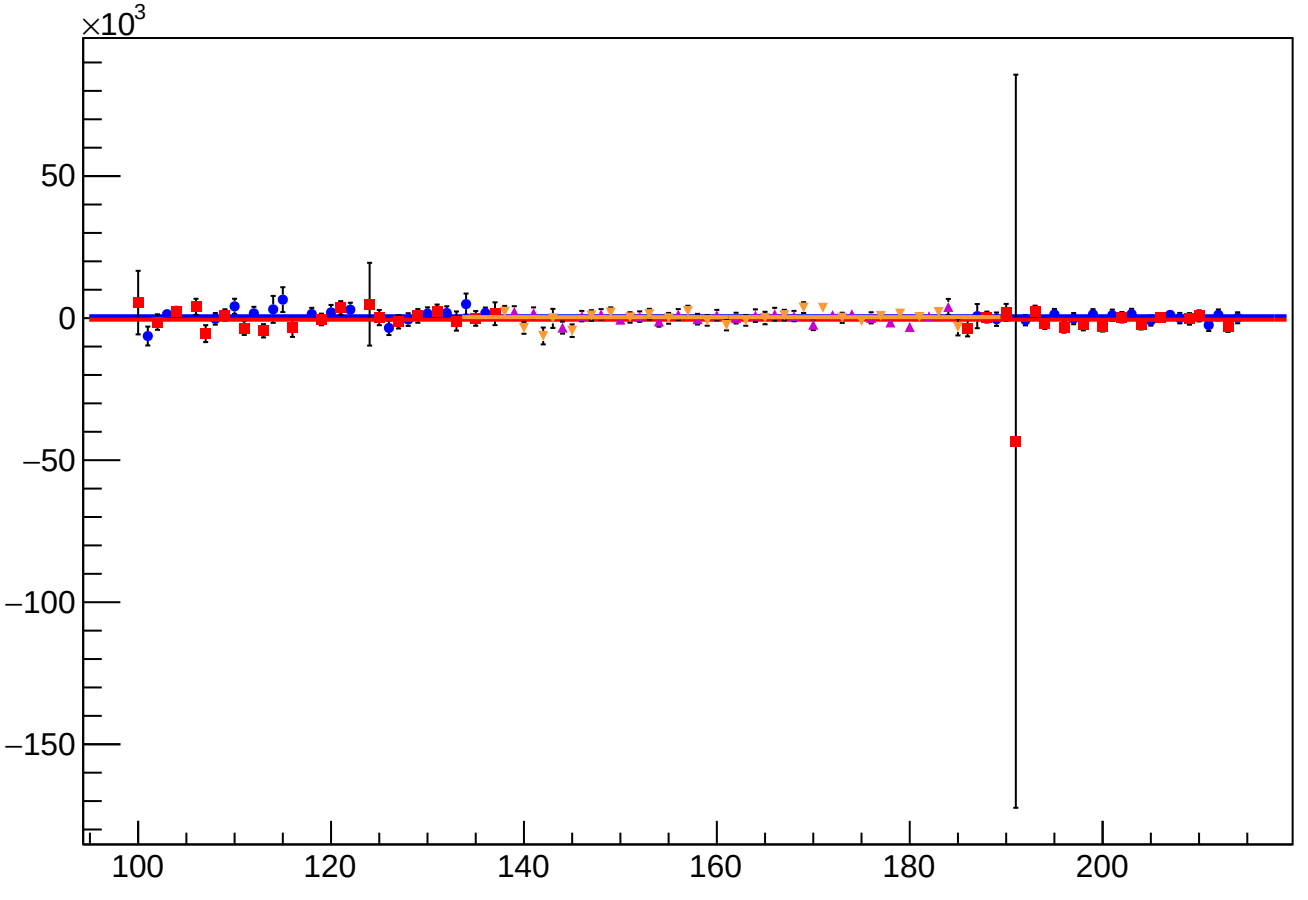
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1827.723+/-0.232 χ^2/NDF: 11294214.6/63

In: 994.930+/-0.129 χ^2/NDF:13601466.1/52

Out: 986.426+/-0.127 χ^2/NDF:15587796.7/58

All: 990.616+/-0.091 χ^2/NDF: 29191461.3/11



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

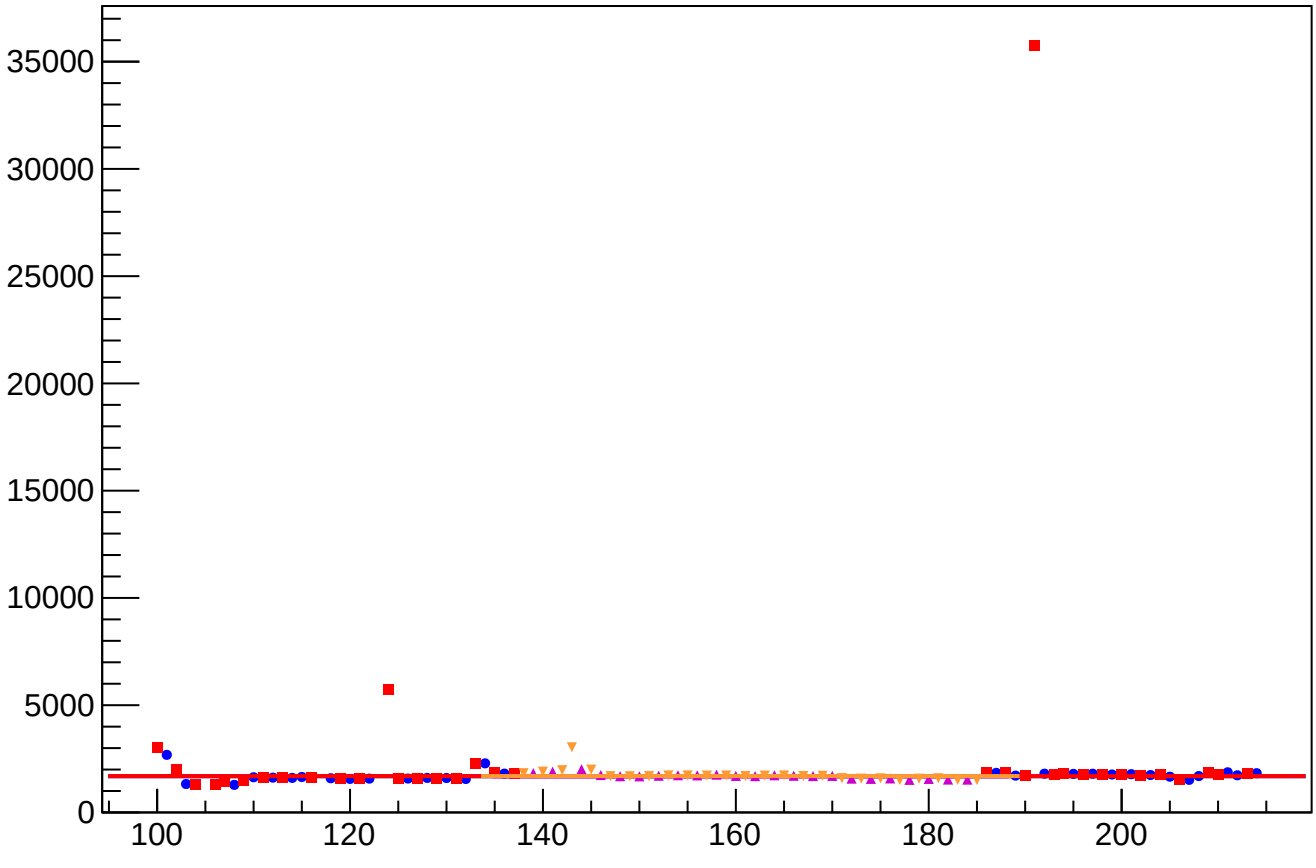
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 54.830+/-280.550 χ^2/NDF: 55.5/63

In: 410.695+/-279.836 χ^2/NDF:36.6/52

Out: -87.517+/-277.280 χ^2/NDF:63.3/58

All: 159.304+/-196.964 χ^2/NDF: 101.5/111



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

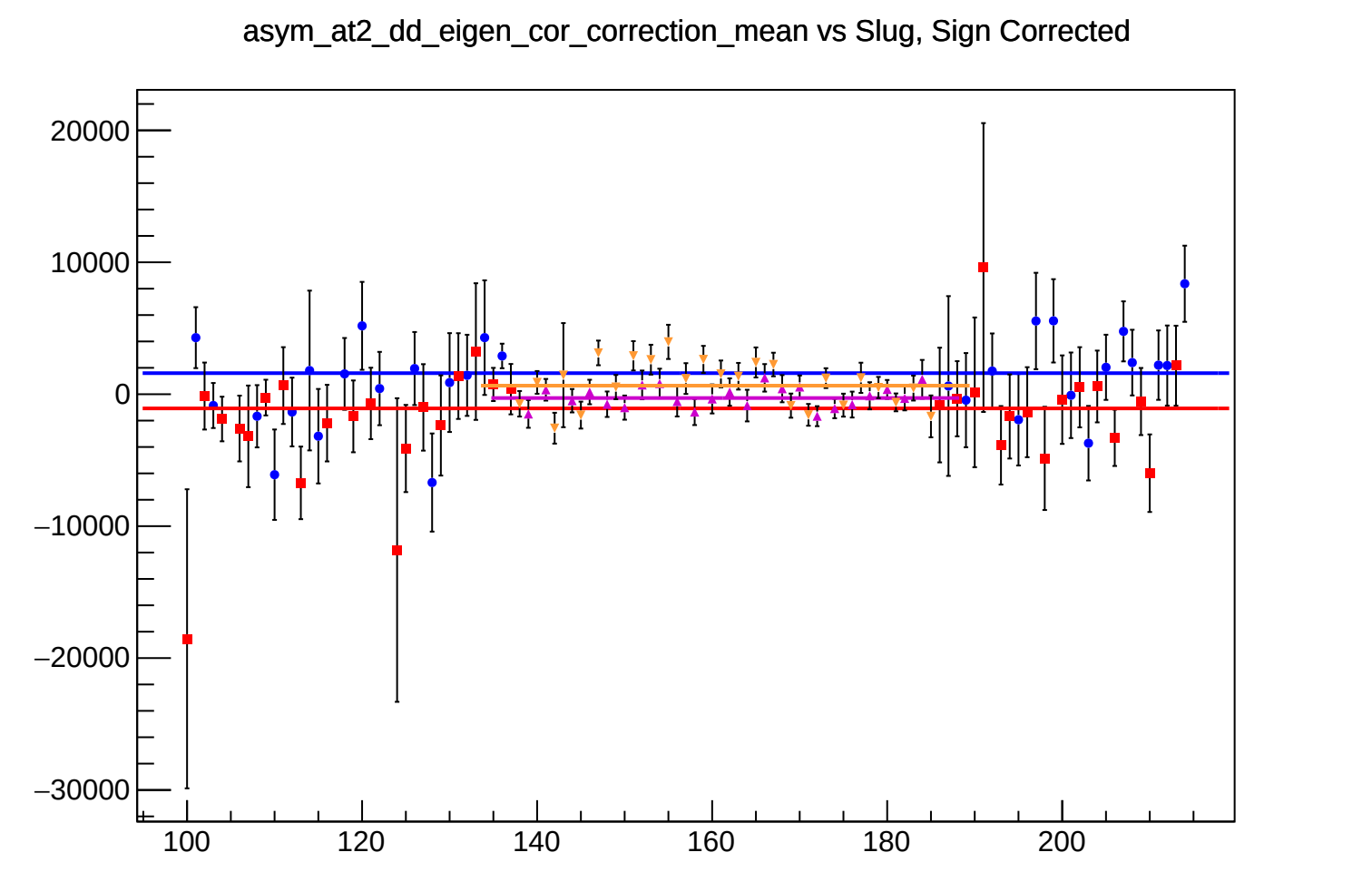
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

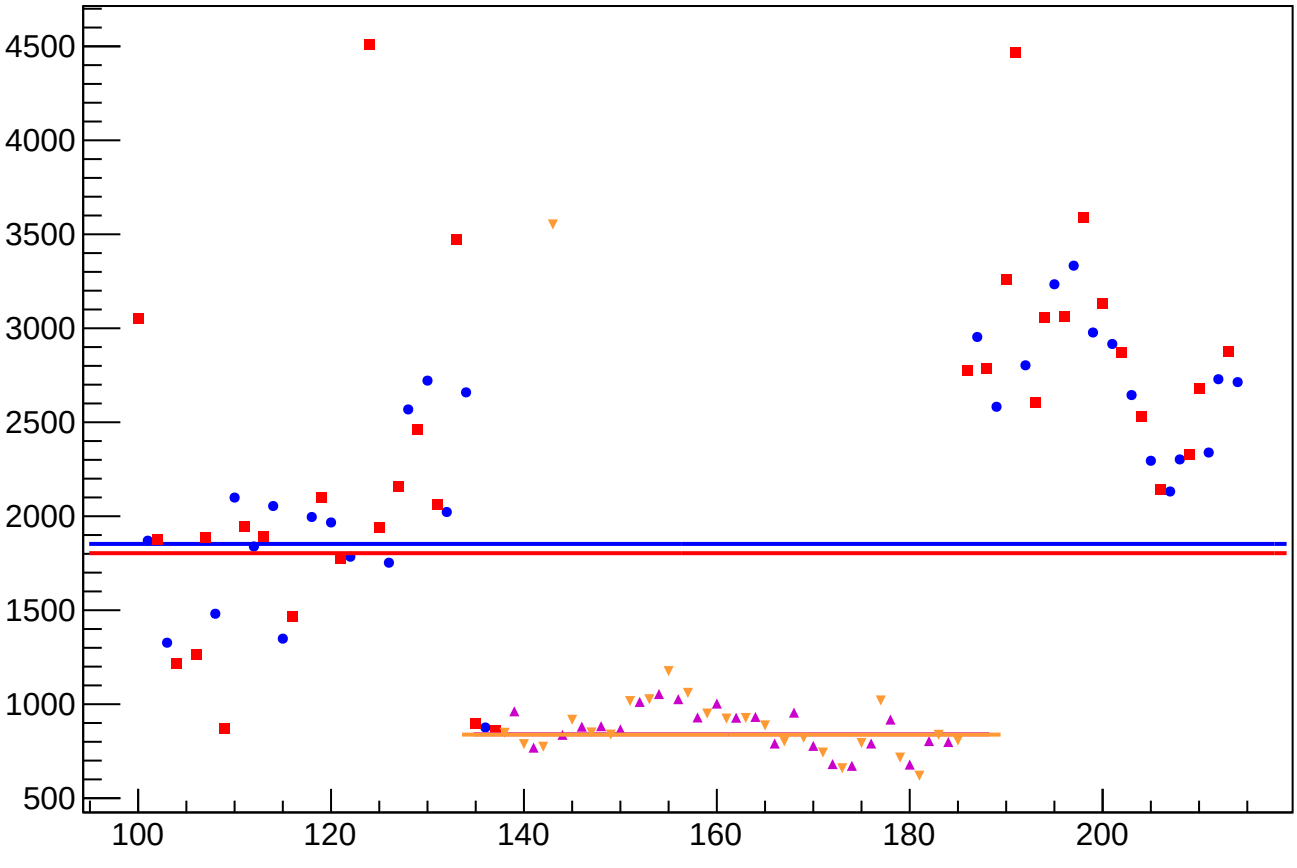
Right: 1690.939+/-0.198 χ^2/NDF: 1239990.4/63

In: 1685.994+/-0.198 χ^2/NDF:684385.3/52

Out: 1695.994+/-0.196 χ^2/NDF:1216160.9/58

All: 1691.040+/-0.139 χ^2/NDF: 1901834.9/11


asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 1596.627+/-467.040 χ²/NDF: 37.8/29
Left Out: 649.165+/-195.673 χ²/NDF:65.5/24
Right Out: -1076.055+/-459.487 χ²/NDF: 23.0/33
Left In: -288.602+/-198.495 χ²/NDF:16.6/22
Left: 186.994+/-139.349 χ²/NDF: 93.4/47
Right: 238.498+/-327.544 χ²/NDF: 77.4/63
In: -0.173+/-182.680 χ²/NDF:68.1/52
Out: 384.326+/-180.029 χ²/NDF:100.5/58
All: 194.887+/-128.227 χ²/NDF: 170.8/111



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

Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

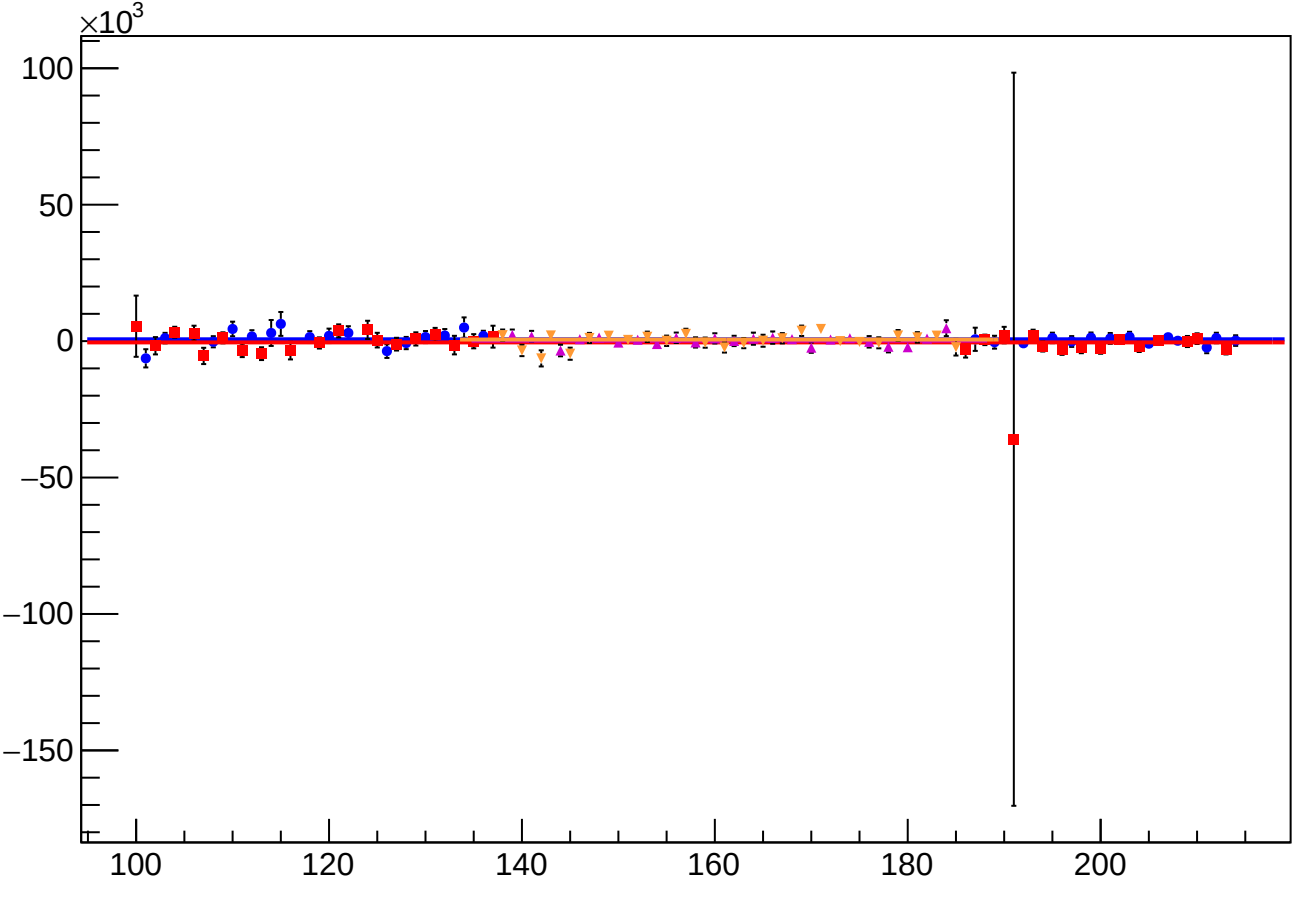
Right: 1827.723+/-0.232 χ^2/NDF: 11294214.6/63

In: 994.930+/-0.129 χ^2/NDF:13601466.1/52

Out: 986.426+/-0.127 χ^2/NDF:15587796.7/58

All: 990.616+/-0.091 χ^2/NDF: 29191461.3/11

dit_asym_at2_dd_mean vs Slug, Sign Corrected



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

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

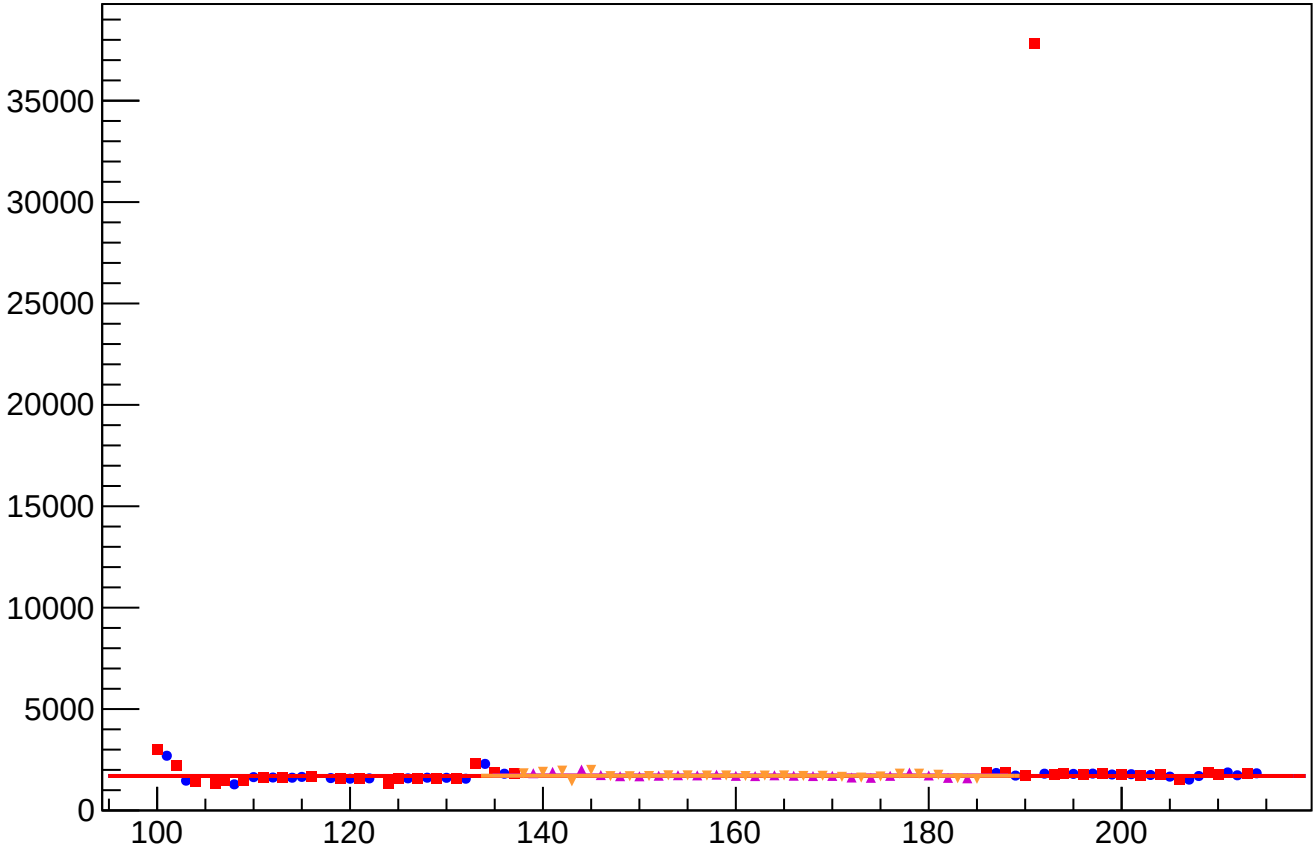
Right: 94.102+/-281.662 χ^2/NDF: 57.7/63

In: 428.539+/-284.248 χ^2/NDF:35.4/52

Out: 64.950+/-278.049 χ^2/NDF:68.9/58

All: 242.736+/-198.766 χ^2/NDF: 105.1/111

dit_asym_at2_dd_rms vs Slug, Sign Corrected



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

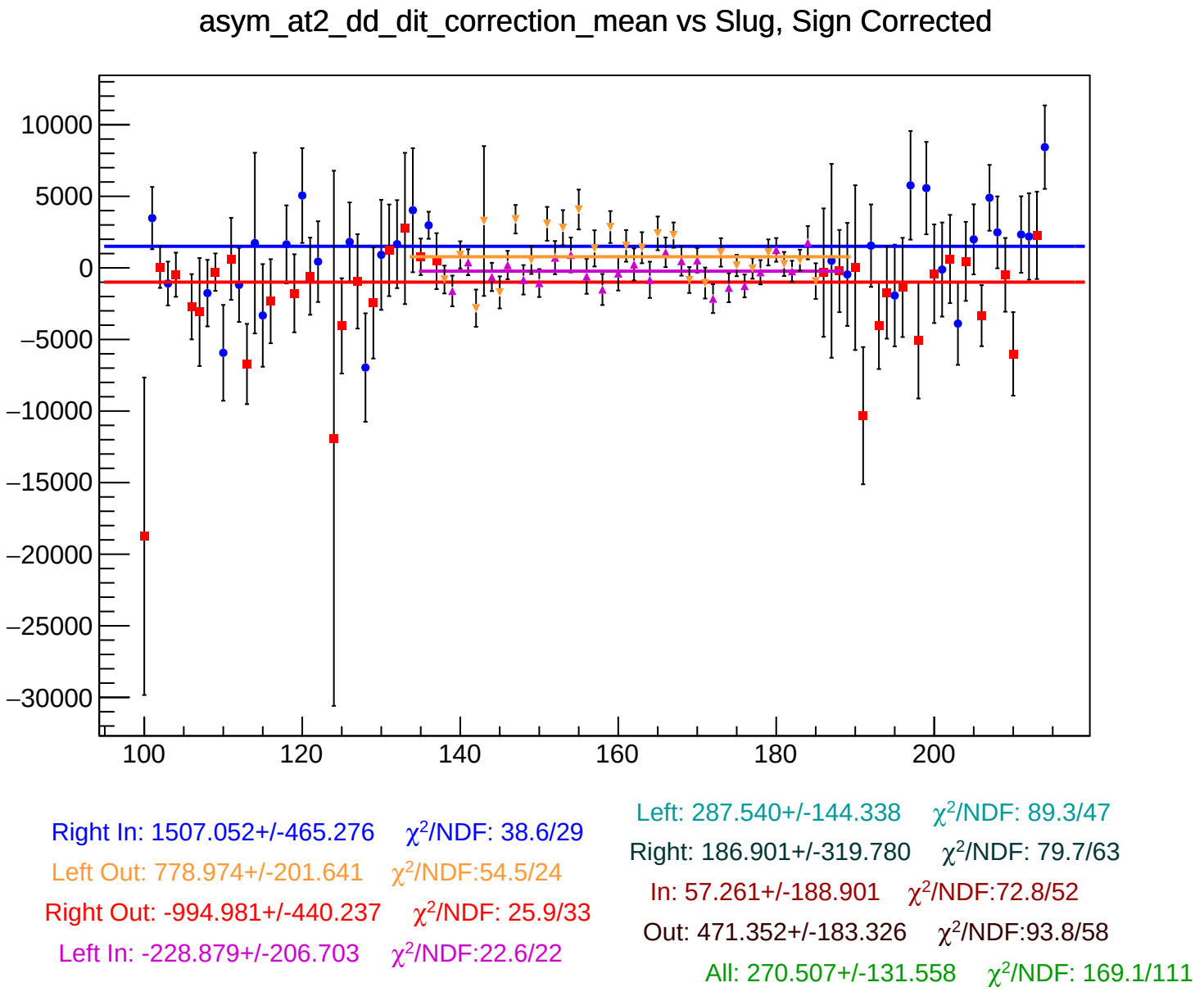
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

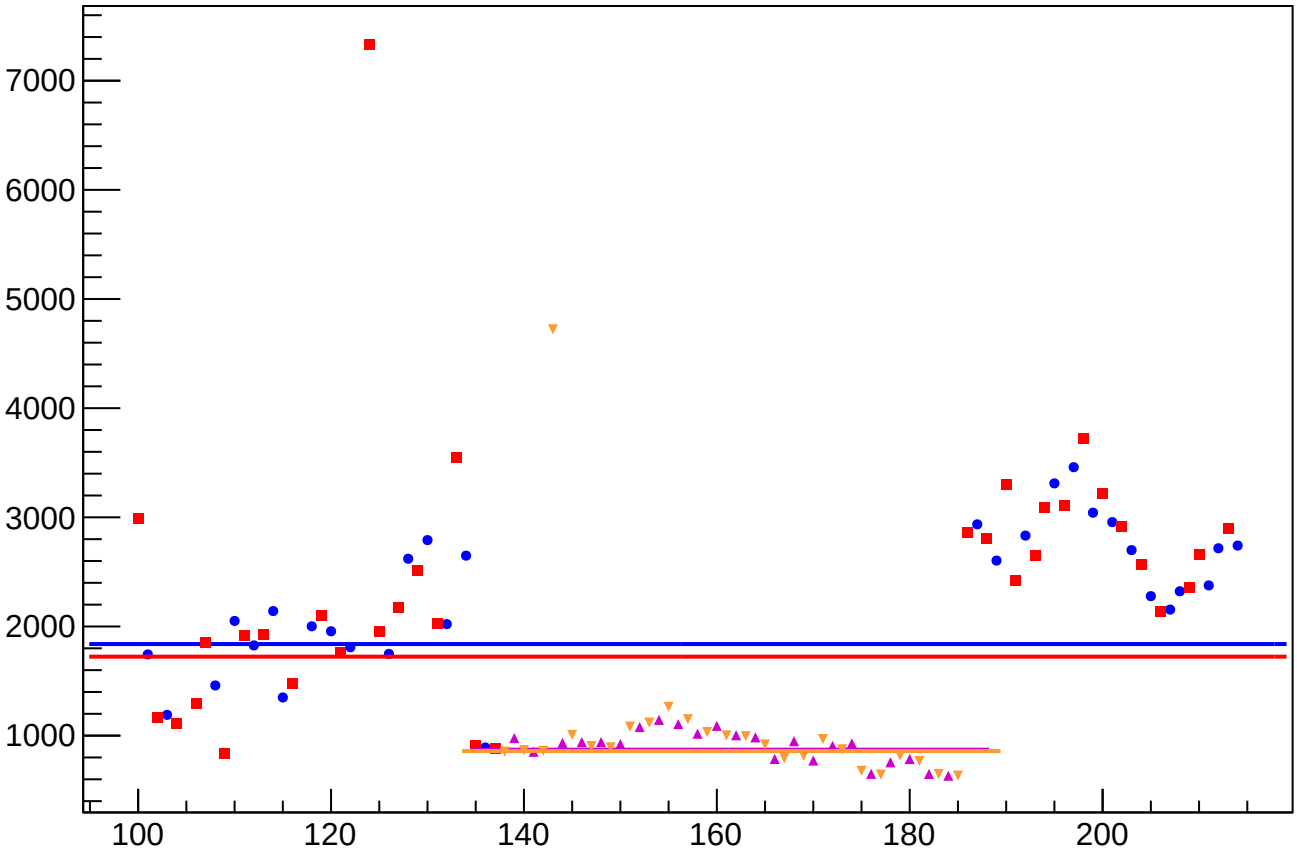
Right: 1699.753+/-0.199 χ^2/NDF: 1041710.0/63

In: 1713.860+/-0.201 χ^2/NDF:566478.3/52

Out: 1705.673+/-0.197 χ^2/NDF:749226.9/58

All: 1709.676+/-0.141 χ^2/NDF: 1316553.1/11


asym_at2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
120
140
160
180
200
Right In: 1507.052+/-465.276 χ²/NDF: 38.6/29
Left Out: 778.974+/-201.641 χ²/NDF:54.5/24
Right Out: -994.981+/-440.237 χ²/NDF: 25.9/33
Left In: -228.879+/-206.703 χ²/NDF:22.6/22
Left: 287.540+/-144.338 χ²/NDF: 89.3/47
Right: 186.901+/-319.780 χ²/NDF: 79.7/63
In: 57.261+/-188.901 χ²/NDF:72.8/52
Out: 471.352+/-183.326 χ²/NDF:93.8/58
All: 270.507+/-131.558 χ²/NDF: 169.1/111



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

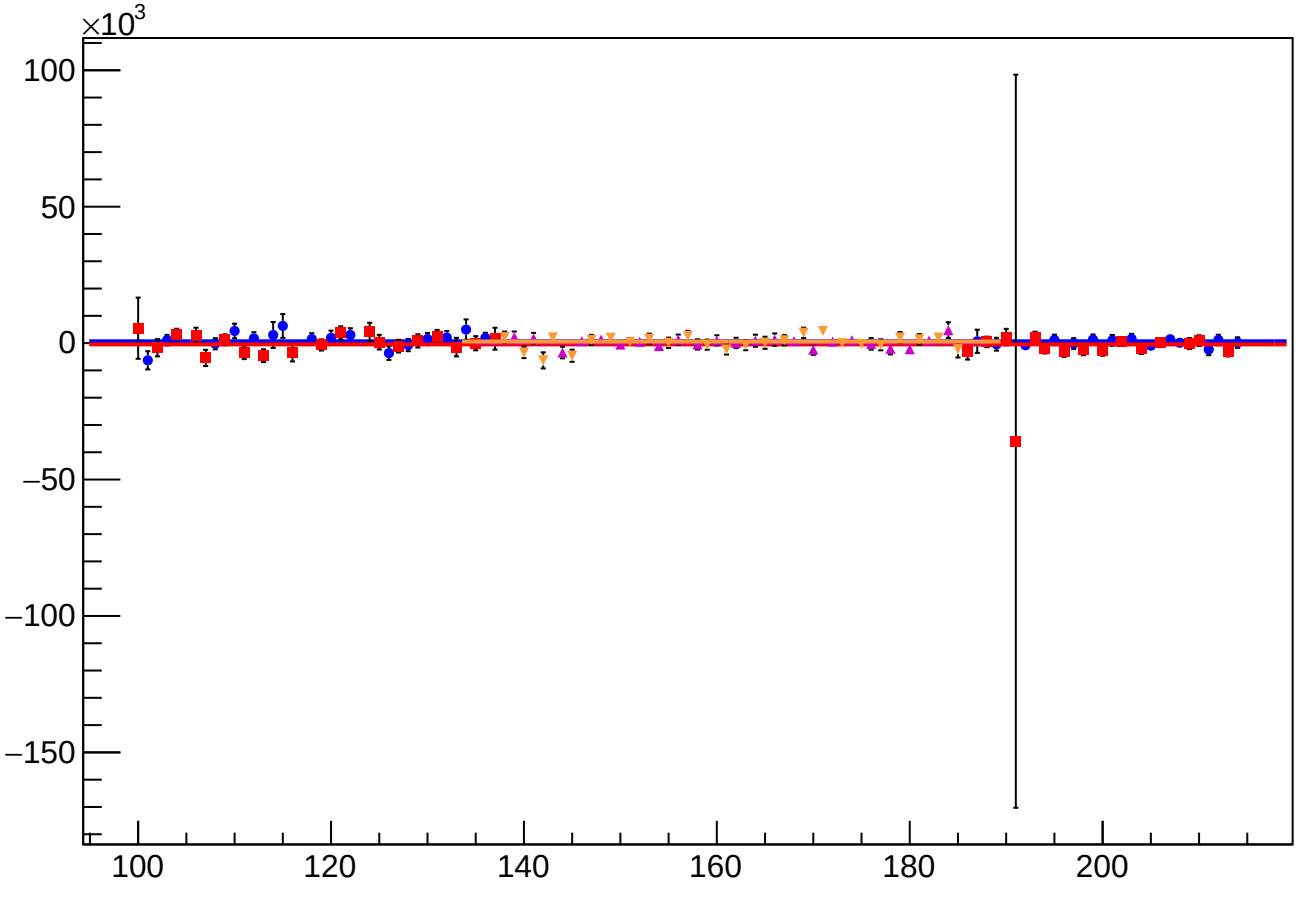
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1778.143+/-0.226 χ^2/NDF: 12199302.3/63

In: 1031.014+/-0.134 χ^2/NDF:13366628.5/52

Out: 1008.590+/-0.130 χ^2/NDF:15632271.9/58

All: 1019.466+/-0.093 χ^2/NDF: 29013413.6/



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

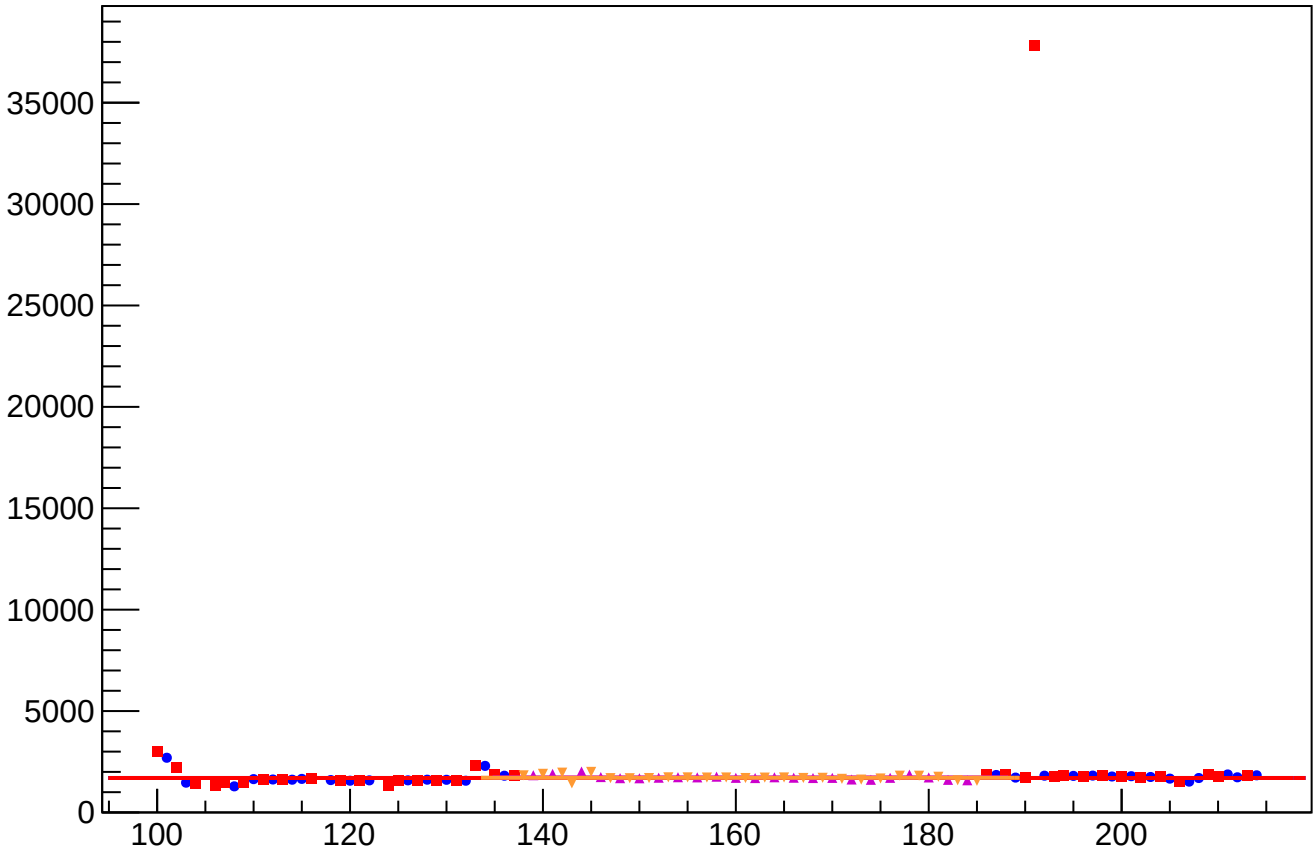
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 94.101+/-281.662 χ^2/NDF: 57.7/63

In: 428.536+/-284.248 χ^2/NDF:35.4/52

Out: 64.949+/-278.048 χ^2/NDF:68.9/58

All: 242.734+/-198.766 χ^2/NDF: 105.1/111



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

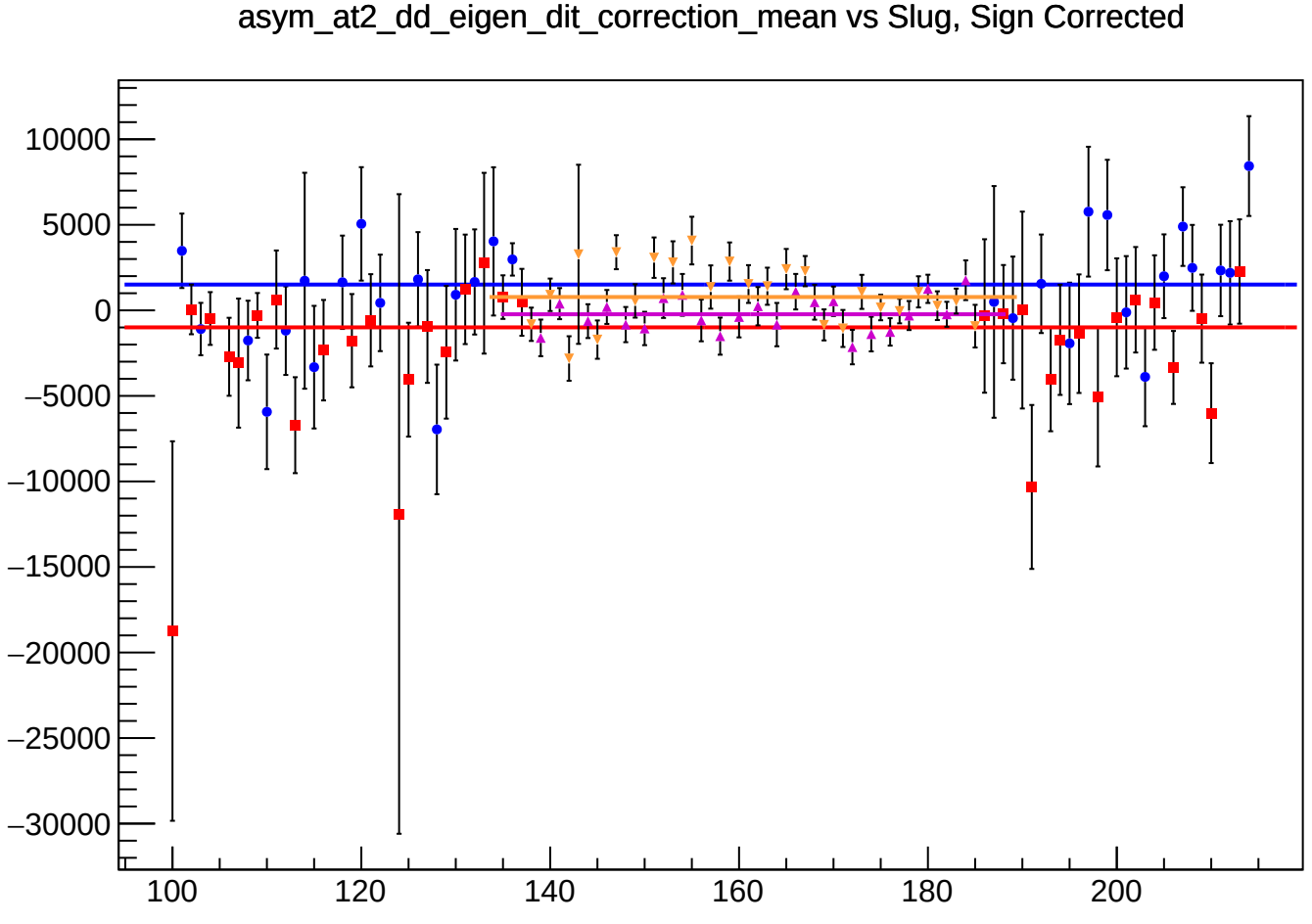
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1699.753+/-0.199 χ^2/NDF: 1041710.0/63

In: 1713.860+/-0.201 χ^2/NDF:566478.1/52

Out: 1705.673+/-0.197 χ^2/NDF:749225.8/58

All: 1709.676+/-0.141 χ^2/NDF: 1316551.7/11



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

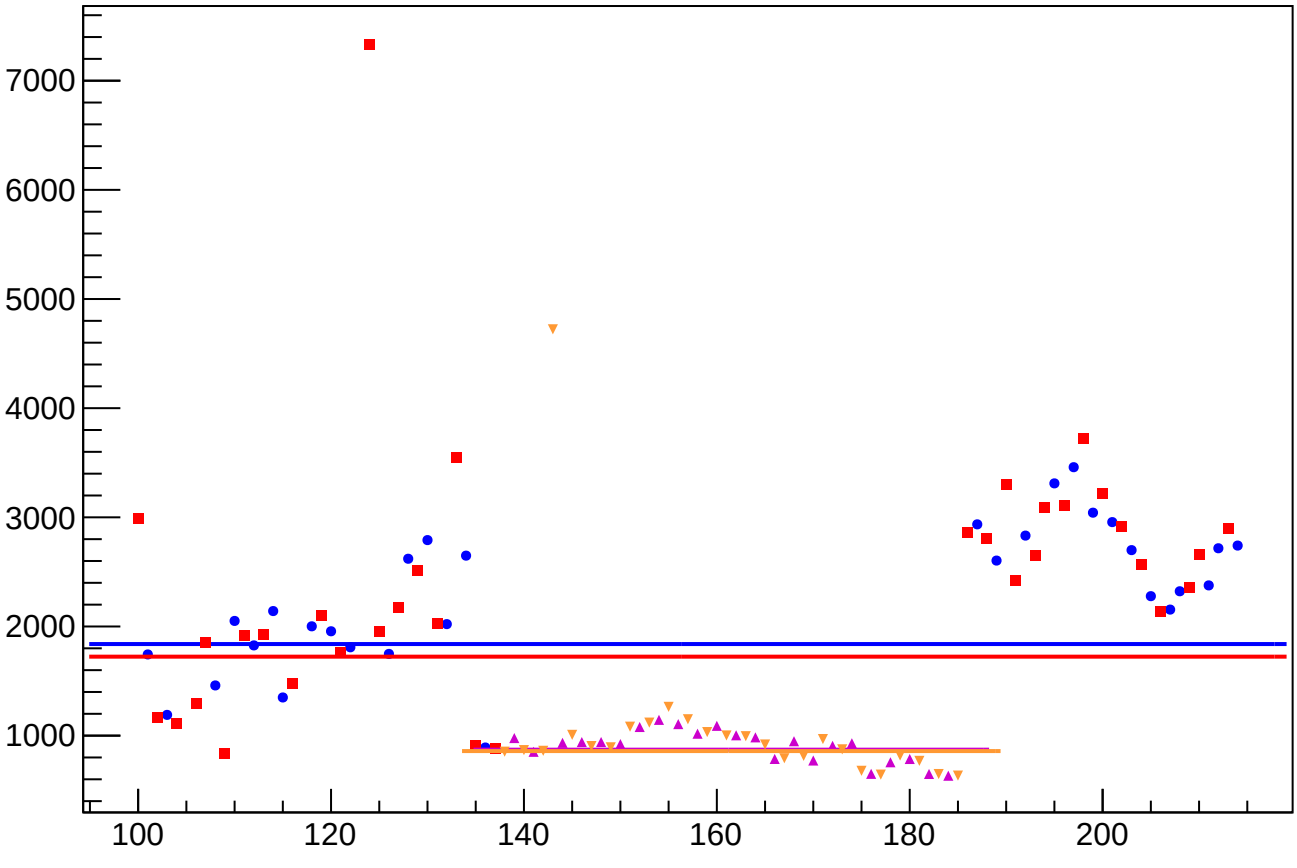
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 186.894+/-319.782 χ^2/NDF: 79.7/63

In: 57.260+/-188.901 χ^2/NDF:72.8/52

Out: 471.354+/-183.326 χ^2/NDF:93.8/58

All: 270.508+/-131.558 χ^2/NDF: 169.1/111



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

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

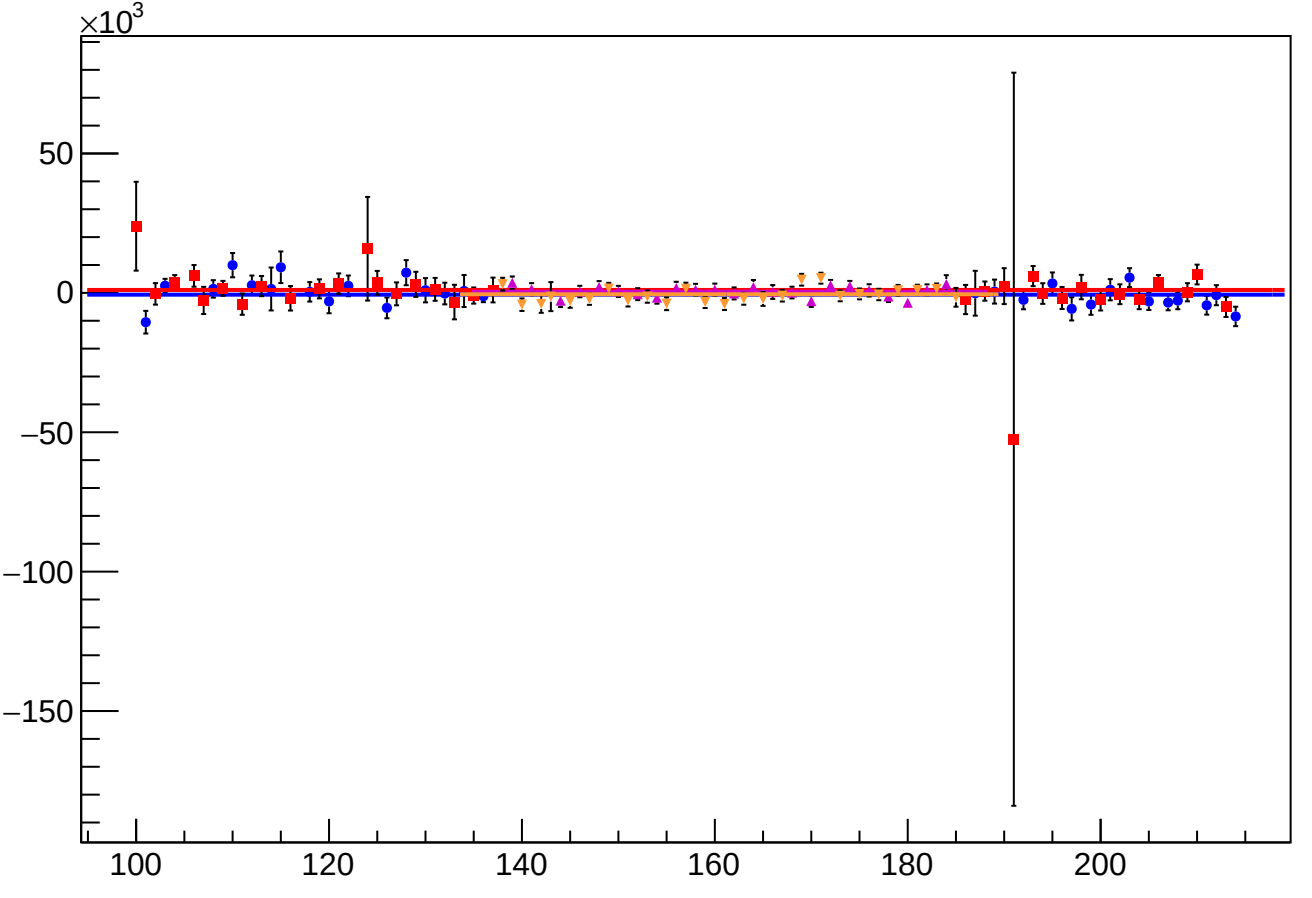
Right: 1778.156+/-0.226 χ^2/NDF: 12198948.8/63

In: 1031.014+/-0.134 χ^2/NDF:13366609.2/52

Out: 1008.591+/-0.130 χ^2/NDF:15632240.3/58

All: 1019.467+/-0.093 χ^2/NDF: 29013360.9/1

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

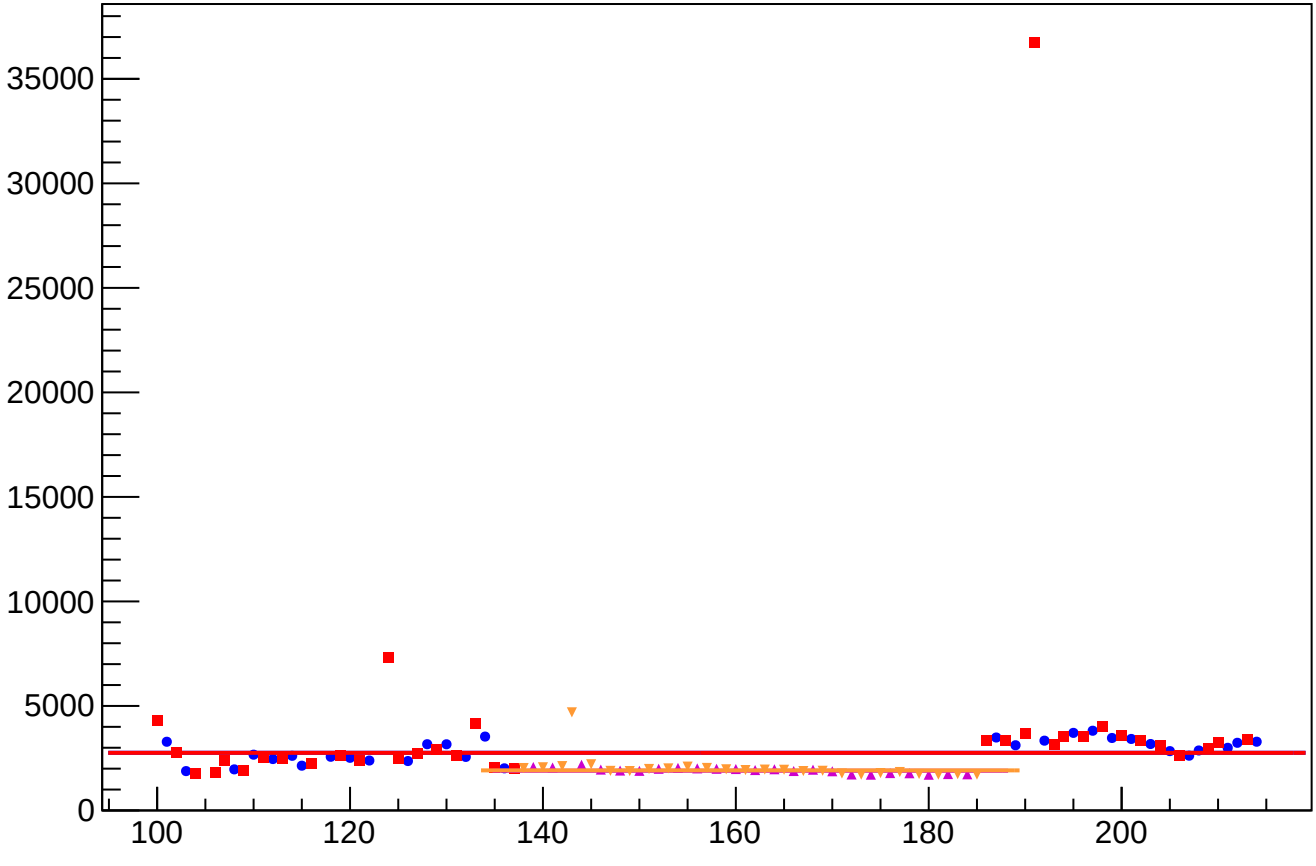
Right: 203.779+/-465.799 χ^2/NDF: 65.9/63

In: 81.848+/-368.544 χ^2/NDF:60.3/52

Out: -23.248+/-365.799 χ^2/NDF:62.6/58

All: 28.907+/-259.624 χ^2/NDF: 123.0/111

asym_at2_dd_rms vs Slug, Sign Corrected



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

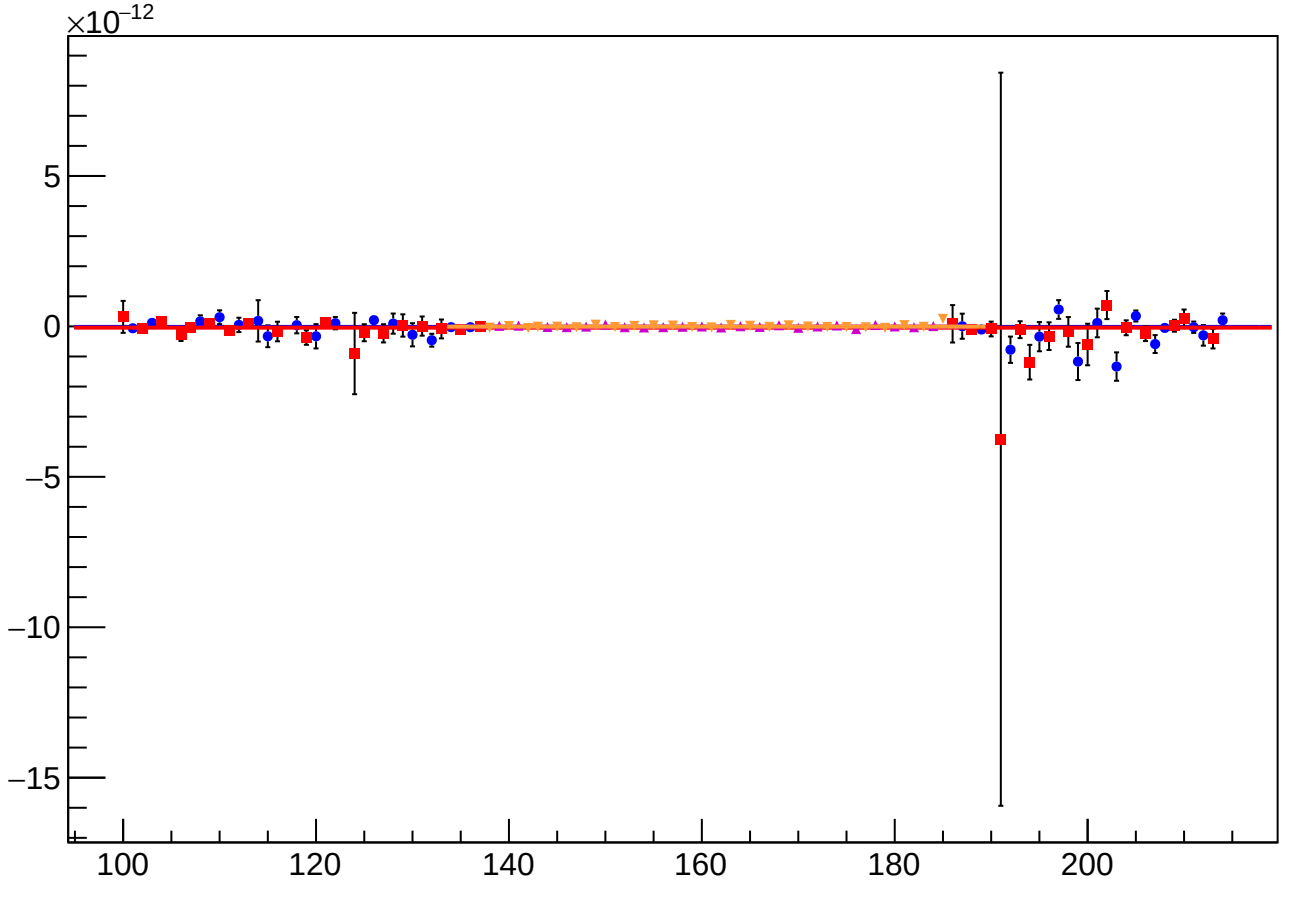
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2758.259+/-0.329 χ^2/NDF: 3491007.8/63

In: 2168.470+/-0.261 χ^2/NDF:3942092.7/52

Out: 2176.173+/-0.259 χ^2/NDF:5070431.5/58

All: 2172.350+/-0.184 χ^2/NDF: 9012964.3/11



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

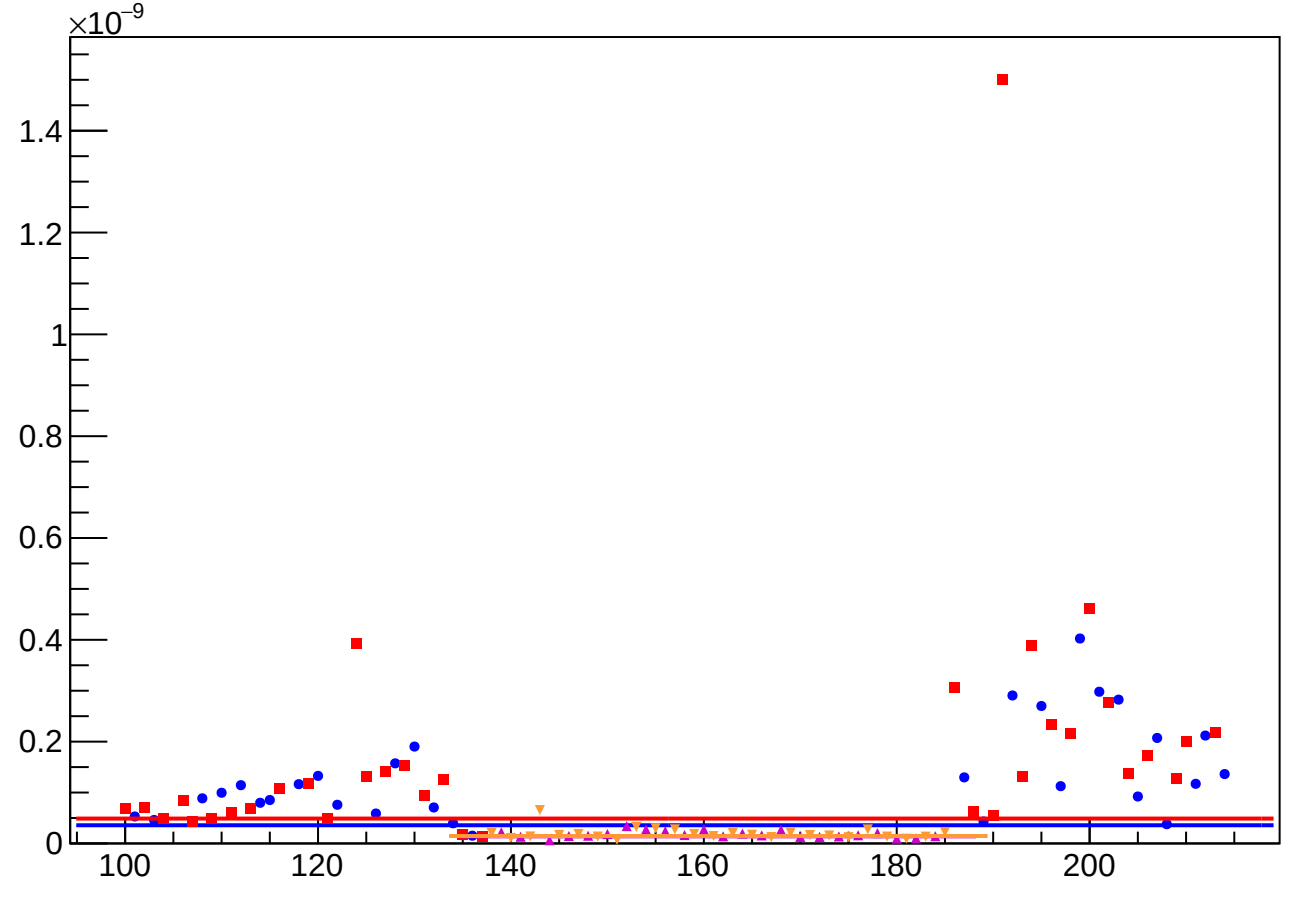
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 69.8/63

In: -0.000+/-0.000 χ^2/NDF:68.1/52

Out: -0.000+/-0.000 χ^2/NDF:56.7/58

All: -0.000+/-0.000 χ^2/NDF: 124.8/111



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

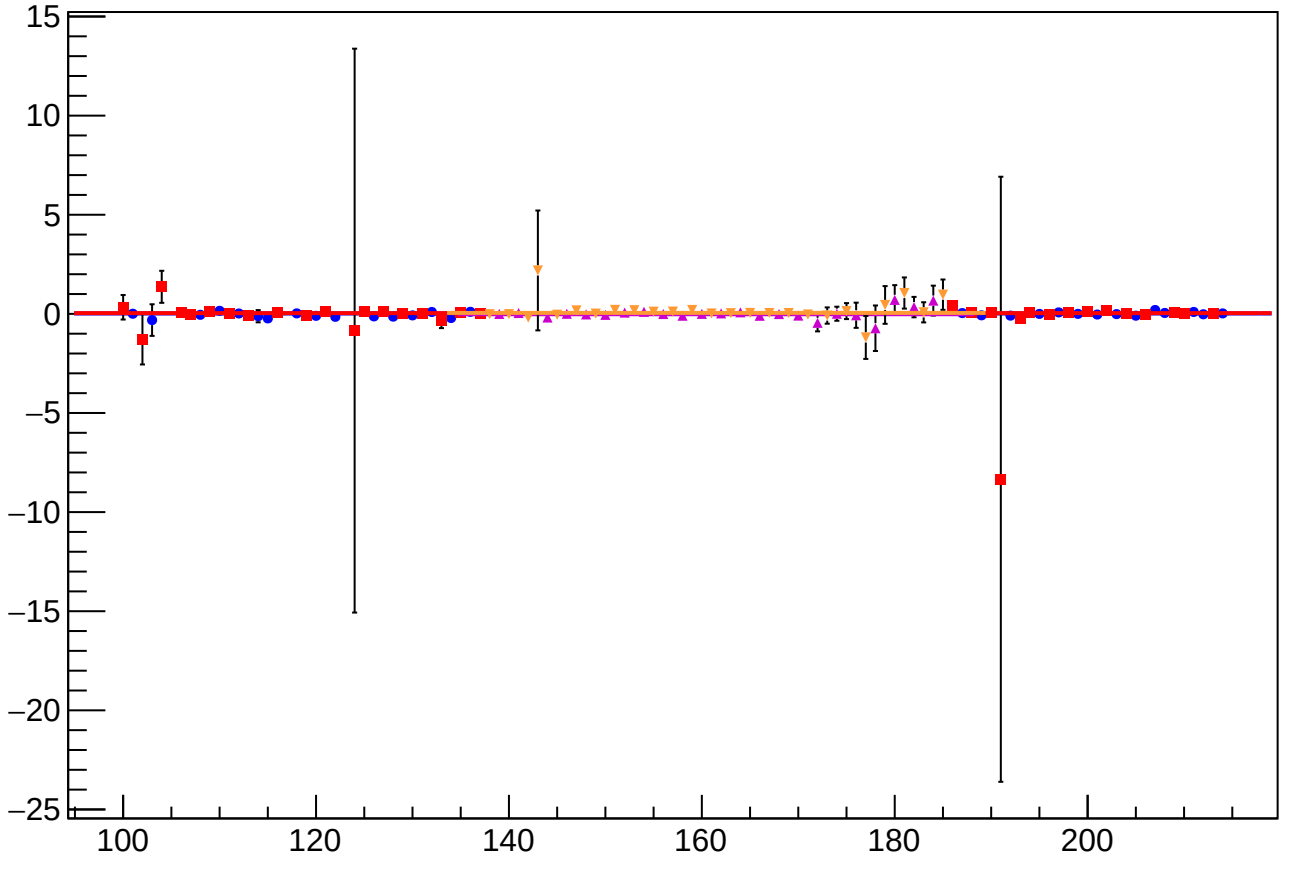
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 16663246.0/63

In: 0.000+/-0.000 χ^2/NDF:12386676.7/52

Out: 0.000+/-0.000 χ^2/NDF:13103461.7/58

All: 0.000+/-0.000 χ^2/NDF: 25504758.5/111



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

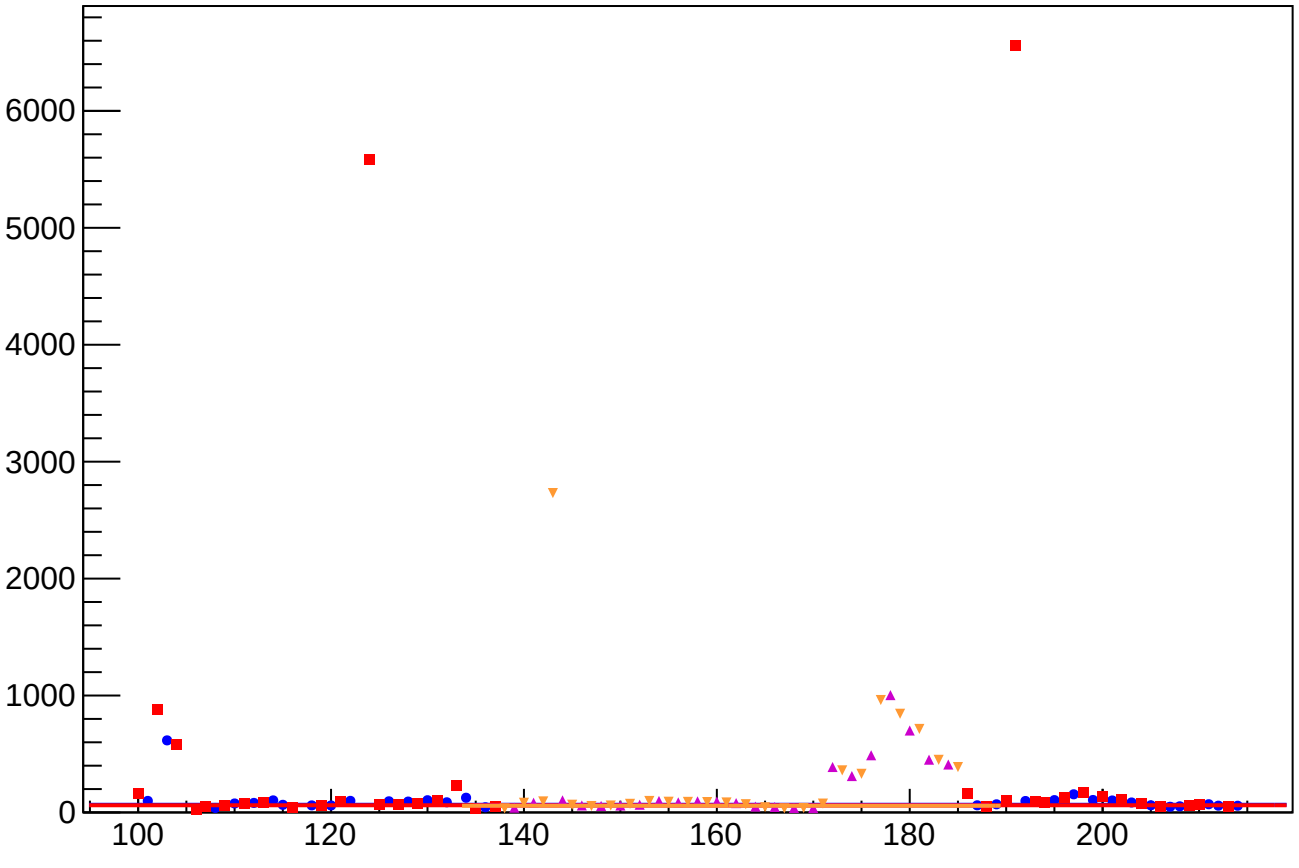
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.028+/-0.012 χ^2/NDF: 56.7/63

In: -0.000+/-0.012 χ^2/NDF:48.3/52

Out: 0.043+/-0.012 χ^2/NDF:50.5/58

All: 0.022+/-0.009 χ^2/NDF: 105.2/111



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

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

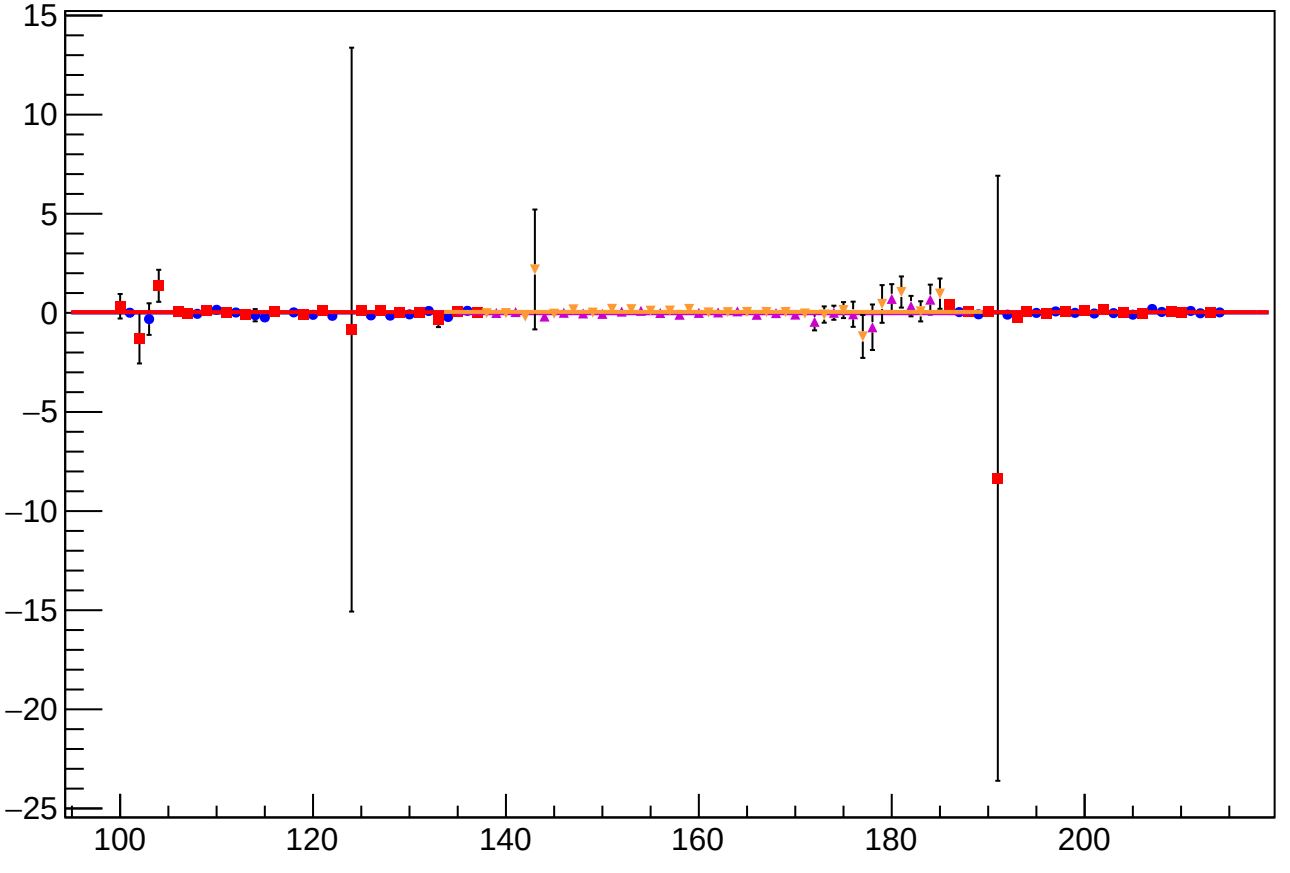
Right: 63.578+/-0.009 χ^2/NDF: 11652746.4/63

In: 62.135+/-0.009 χ^2/NDF:14696547.8/52

Out: 59.416+/-0.008 χ^2/NDF:19701633.9/58

All: 60.758+/-0.006 χ^2/NDF: 34449080.8/111

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

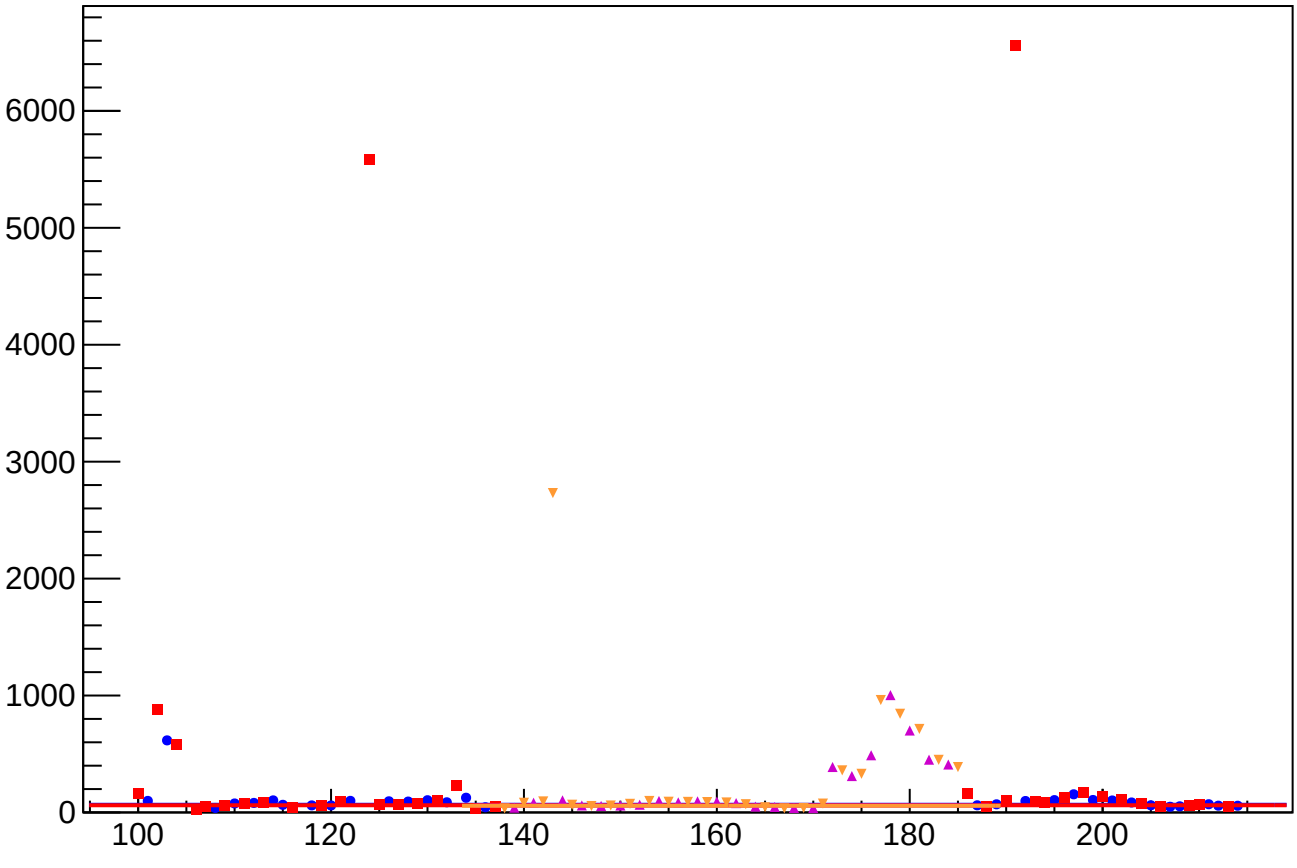
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.028+/-0.012 χ^2/NDF: 56.7/63

In: -0.000+/-0.012 χ^2/NDF:48.3/52

Out: 0.043+/-0.012 χ^2/NDF:50.5/58

All: 0.022+/-0.009 χ^2/NDF: 105.2/111



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

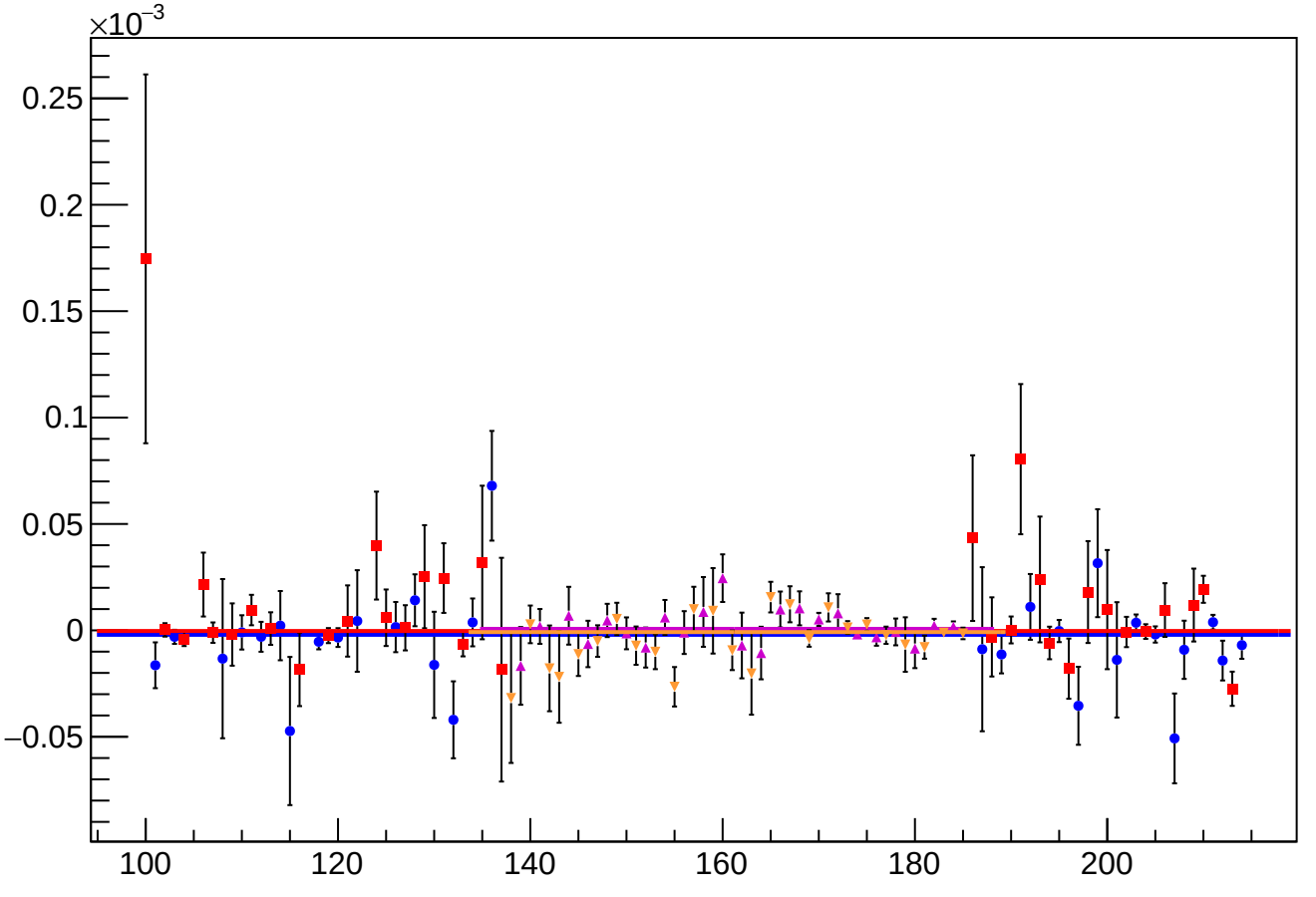
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 63.578+/-0.009 χ^2/NDF: 11652746.4/63

In: 62.135+/-0.009 χ^2/NDF:14696547.8/52

Out: 59.416+/-0.008 χ^2/NDF:19701633.9/58

All: 60.758+/-0.006 χ^2/NDF: 34449080.8/111



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

Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

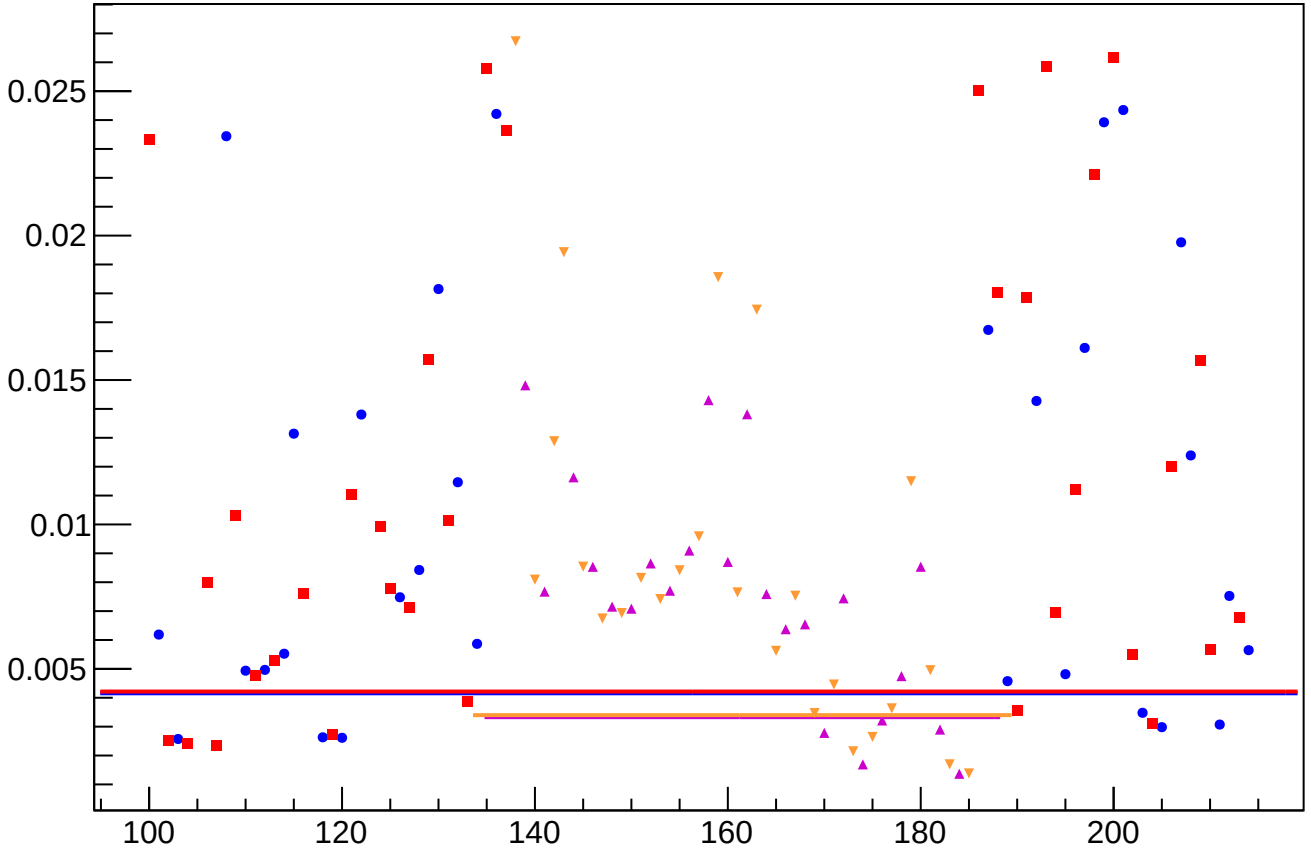
Right: -0.000+/-0.000 χ^2/NDF: 91.8/63

In: -0.000+/-0.000 χ^2/NDF:61.2/52

Out: -0.000+/-0.000 χ^2/NDF:84.1/58

All: -0.000+/-0.000 χ^2/NDF: 145.4/111

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

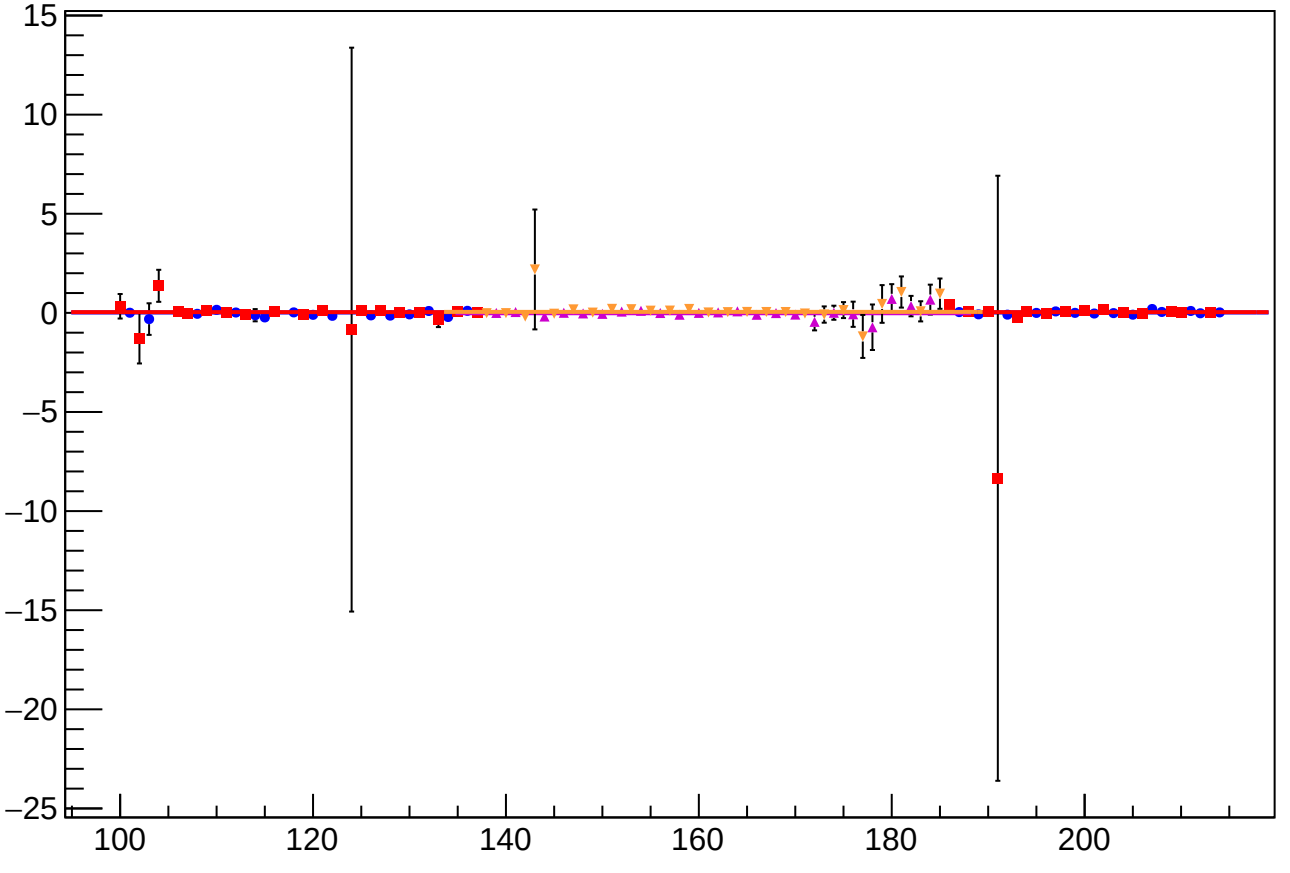
Right: 0.004+/-0.000 χ^2/NDF: 25075241.3/63

In: 0.004+/-0.000 χ^2/NDF:24794486.7/52

Out: 0.004+/-0.000 χ^2/NDF:28106123.6/58

All: 0.004+/-0.000 χ^2/NDF: 52906245.3/111

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

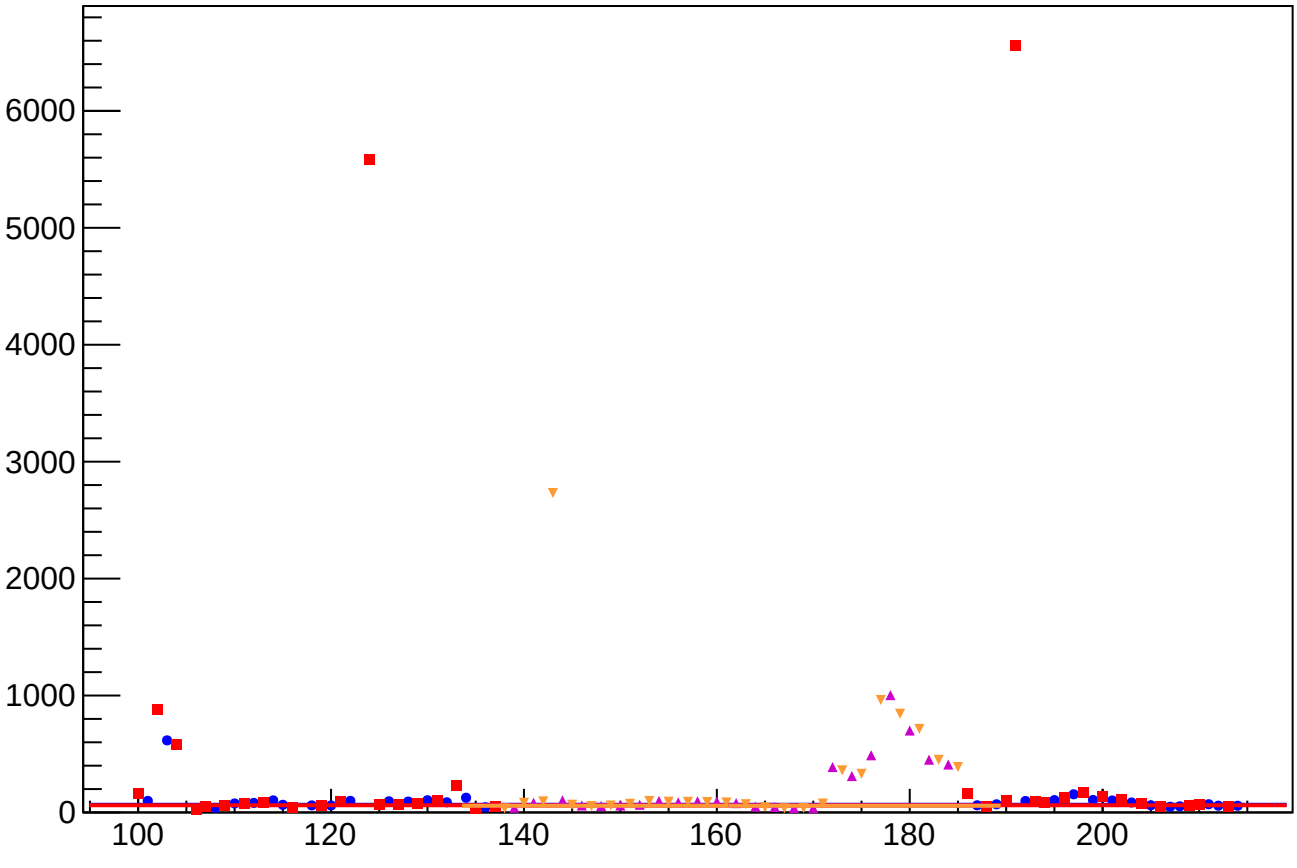
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.028+/-0.012 χ^2/NDF: 56.7/63

In: -0.000+/-0.012 χ^2/NDF:48.3/52

Out: 0.043+/-0.012 χ^2/NDF:50.5/58

All: 0.022+/-0.009 χ^2/NDF: 105.2/111



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

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

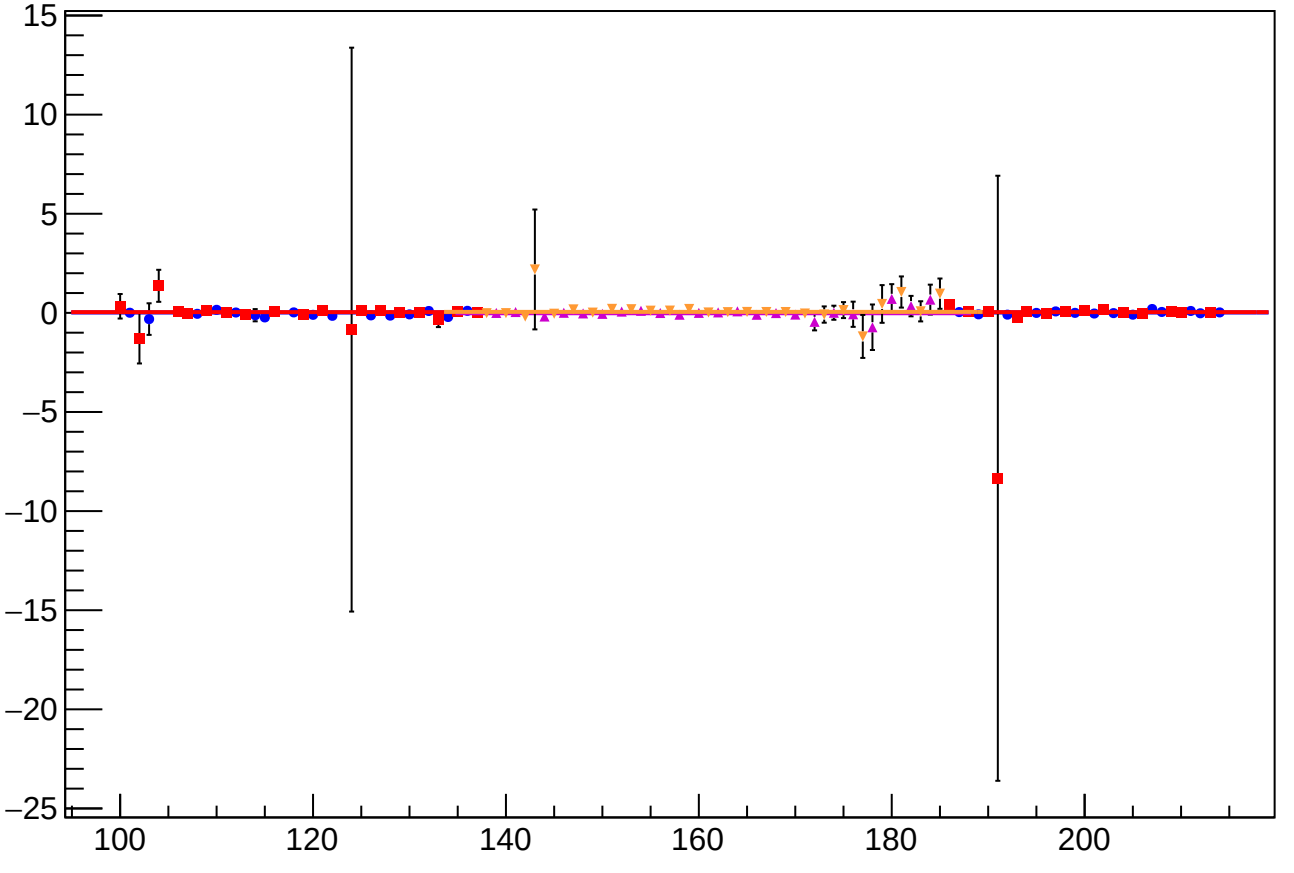
Right: 63.577+/-0.009 χ^2/NDF: 11652908.9/63

In: 62.137+/-0.009 χ^2/NDF:14695153.3/52

Out: 59.414+/-0.008 χ^2/NDF:19702237.2/58

All: 60.758+/-0.006 χ^2/NDF: 34448455.2/111

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

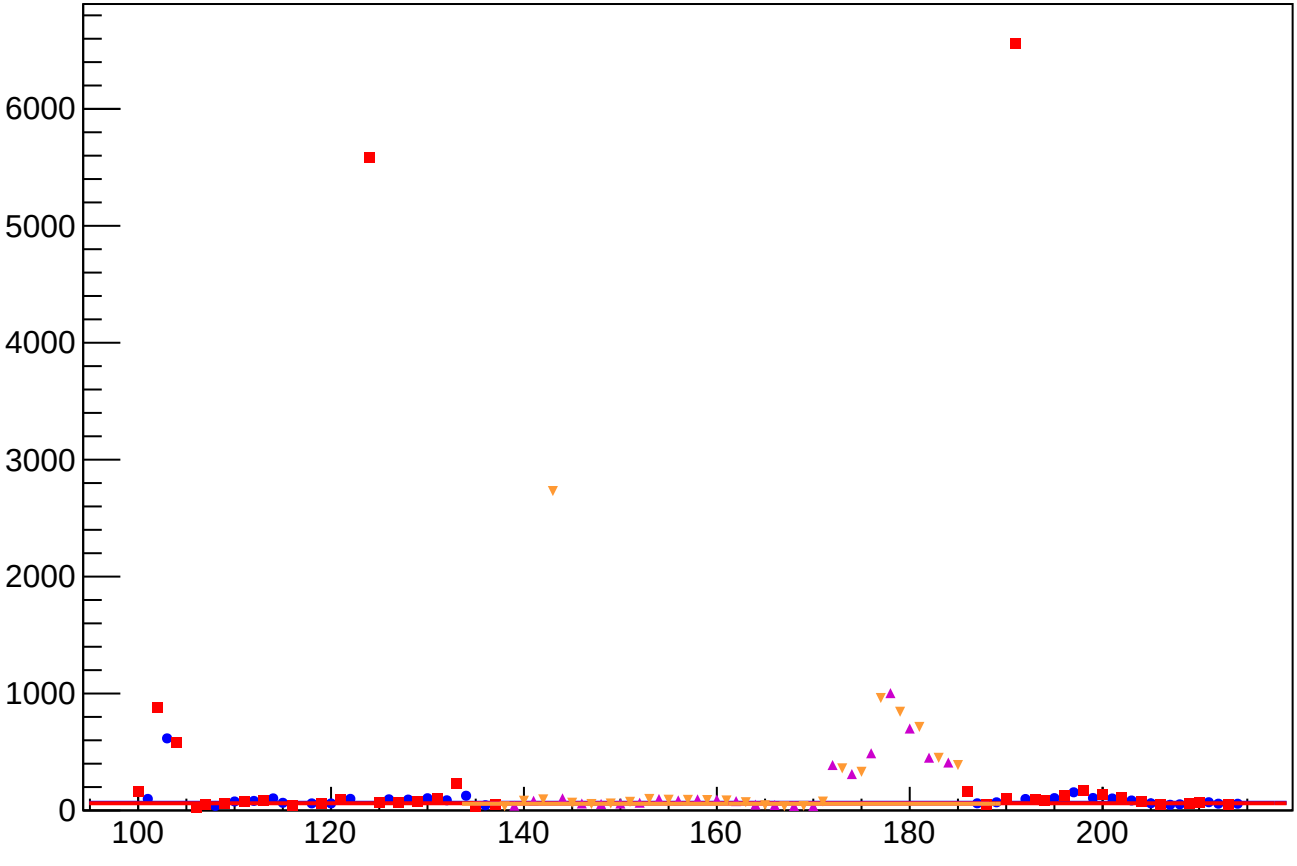
Right: 0.028+/-0.012 χ^2/NDF: 56.7/63

In: -0.000+/-0.012 χ^2/NDF:48.3/52

Out: 0.043+/-0.012 χ^2/NDF:50.5/58

All: 0.022+/-0.009 χ^2/NDF: 105.2/111

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

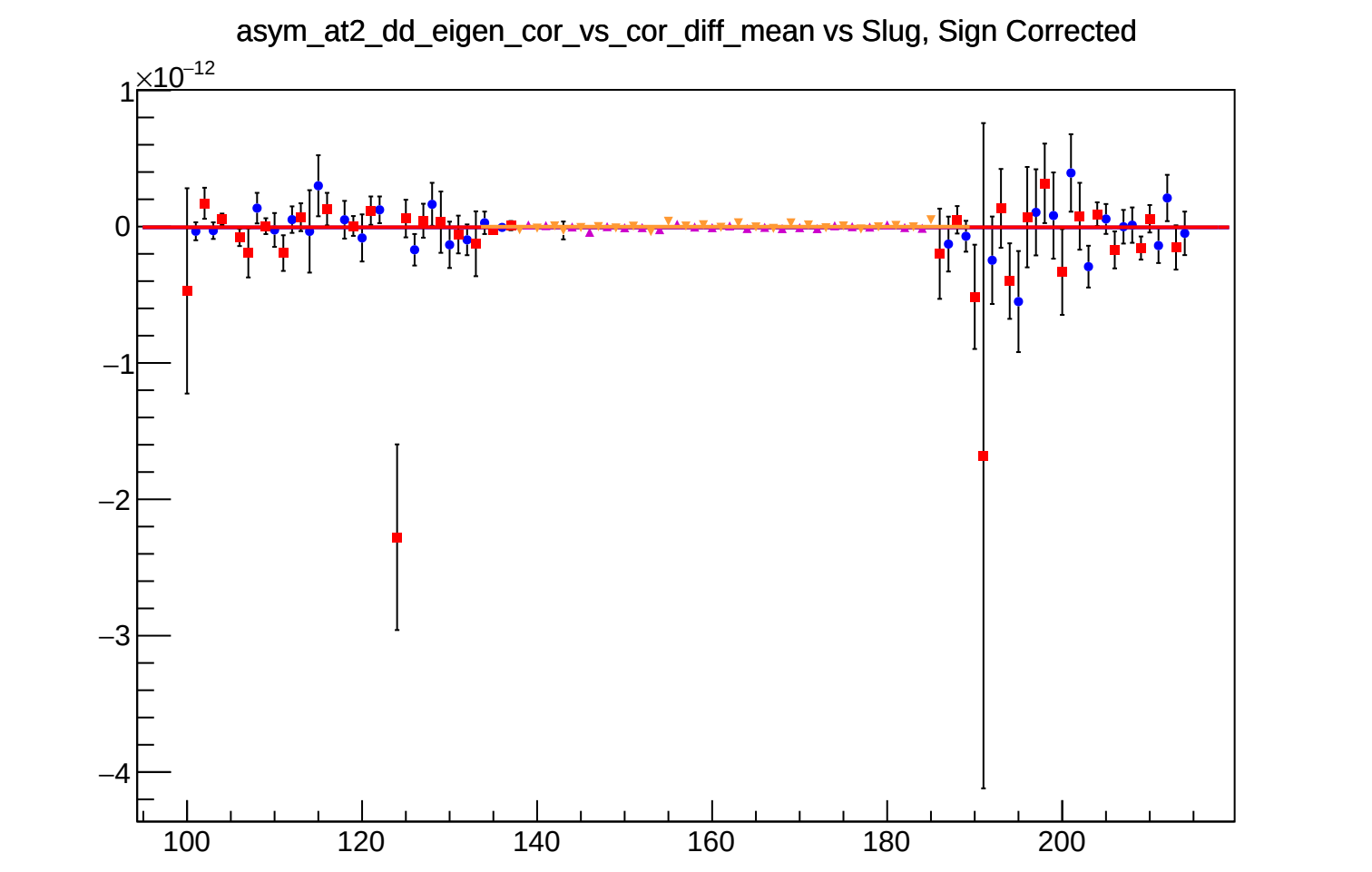
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

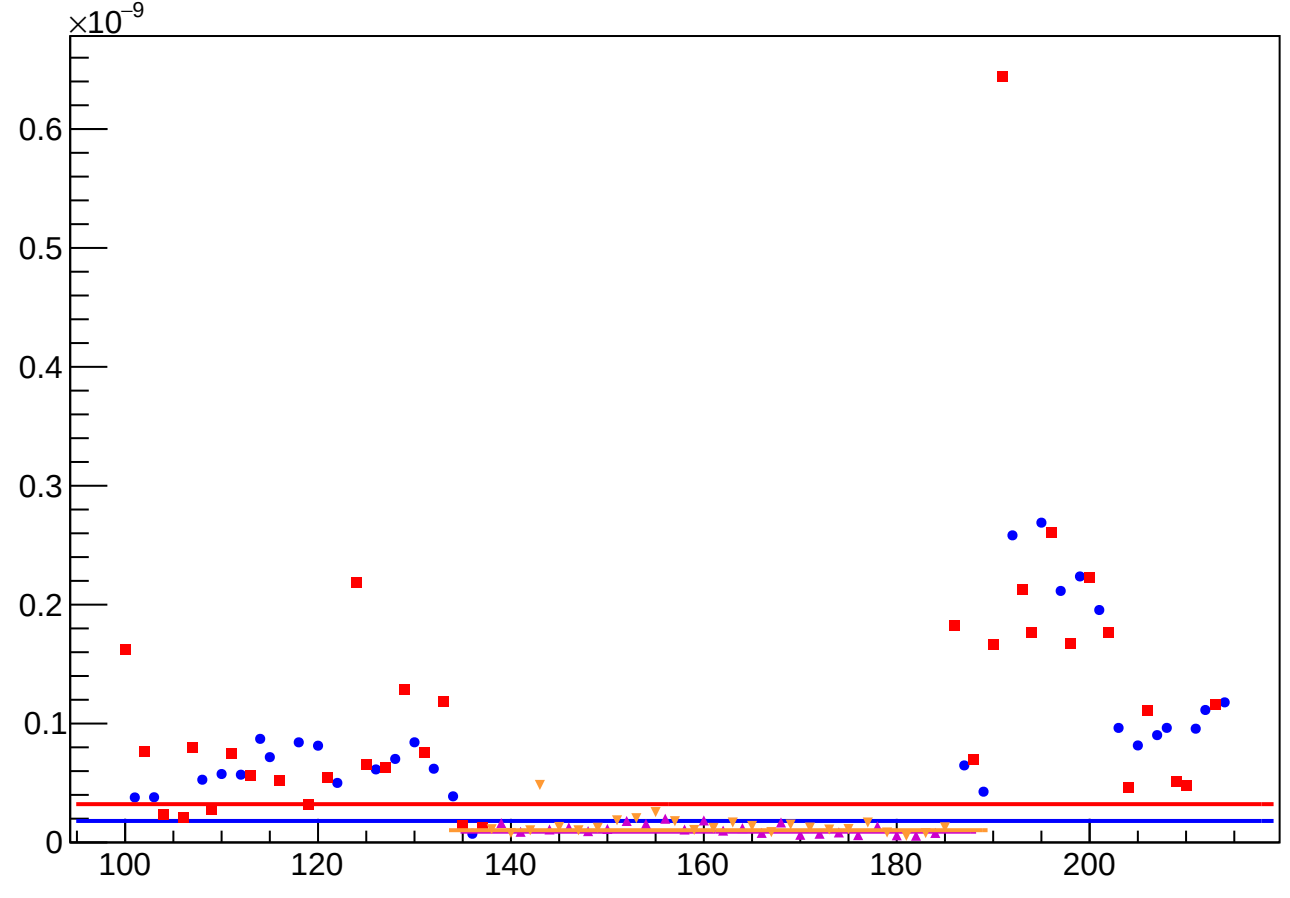
Right: 63.577+/-0.009 χ^2/NDF: 11652908.9/63

In: 62.137+/-0.009 χ^2/NDF:14695153.3/52

Out: 59.414+/-0.008 χ^2/NDF:19702237.2/58

All: 60.758+/-0.006 χ^2/NDF: 34448455.2/111


asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.0/29
Left Out: -0.000+/-0.000 χ²/NDF:18.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 40.0/33
Left In: -0.000+/-0.000 χ²/NDF:15.4/22
Left: -0.000+/-0.000 χ²/NDF: 34.5/47
Right: -0.000+/-0.000 χ²/NDF: 63.0/63
In: -0.000+/-0.000 χ²/NDF:38.6/52
Out: -0.000+/-0.000 χ²/NDF:58.8/58
All: -0.000+/-0.000 χ²/NDF: 97.8/111



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

Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

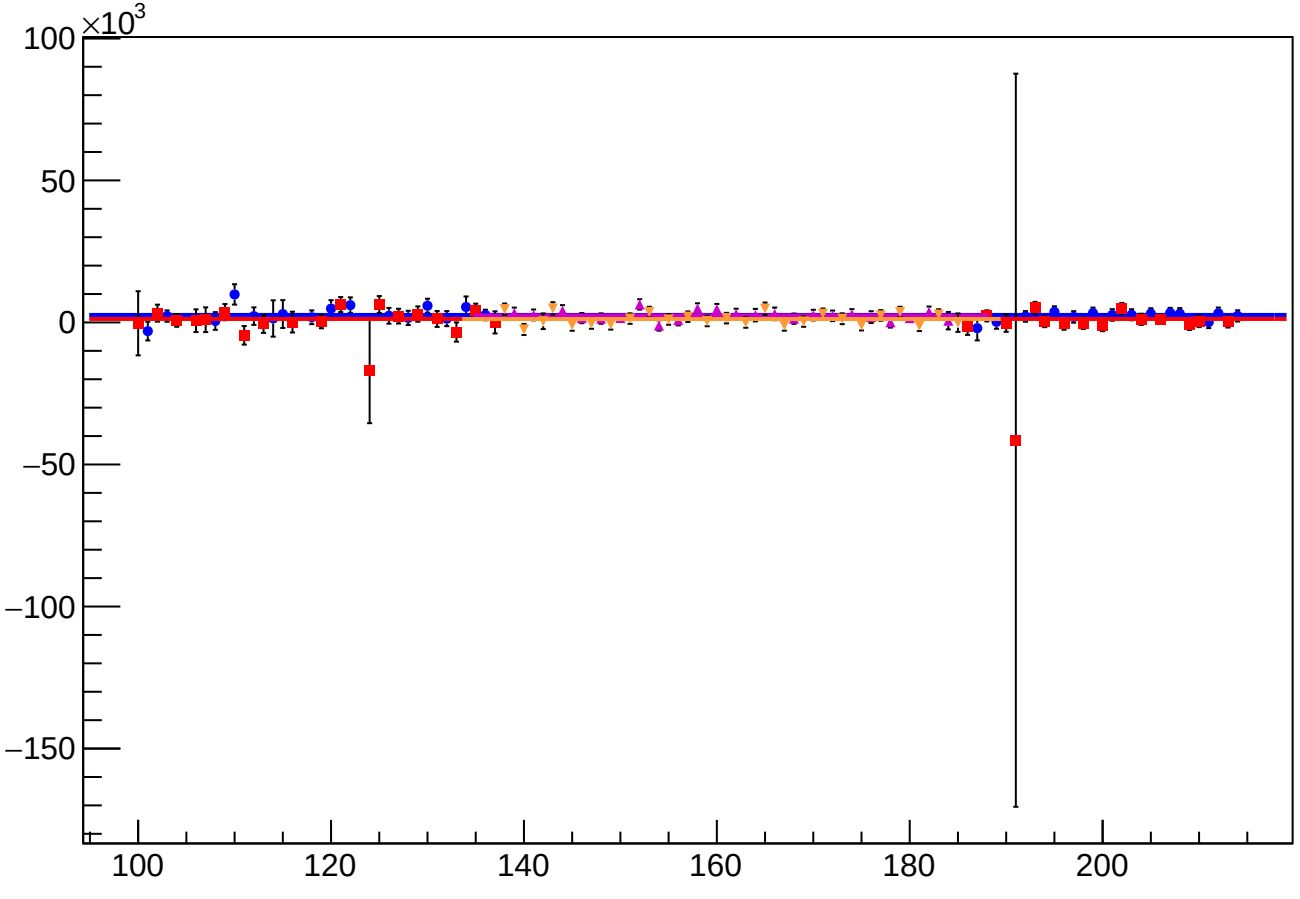
Right: 0.000+/-0.000 χ^2/NDF: 26533566.6/63

In: 0.000+/-0.000 χ^2/NDF:19298947.8/52

Out: 0.000+/-0.000 χ^2/NDF:18741868.5/58

All: 0.000+/-0.000 χ^2/NDF: 38347163.5/111

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

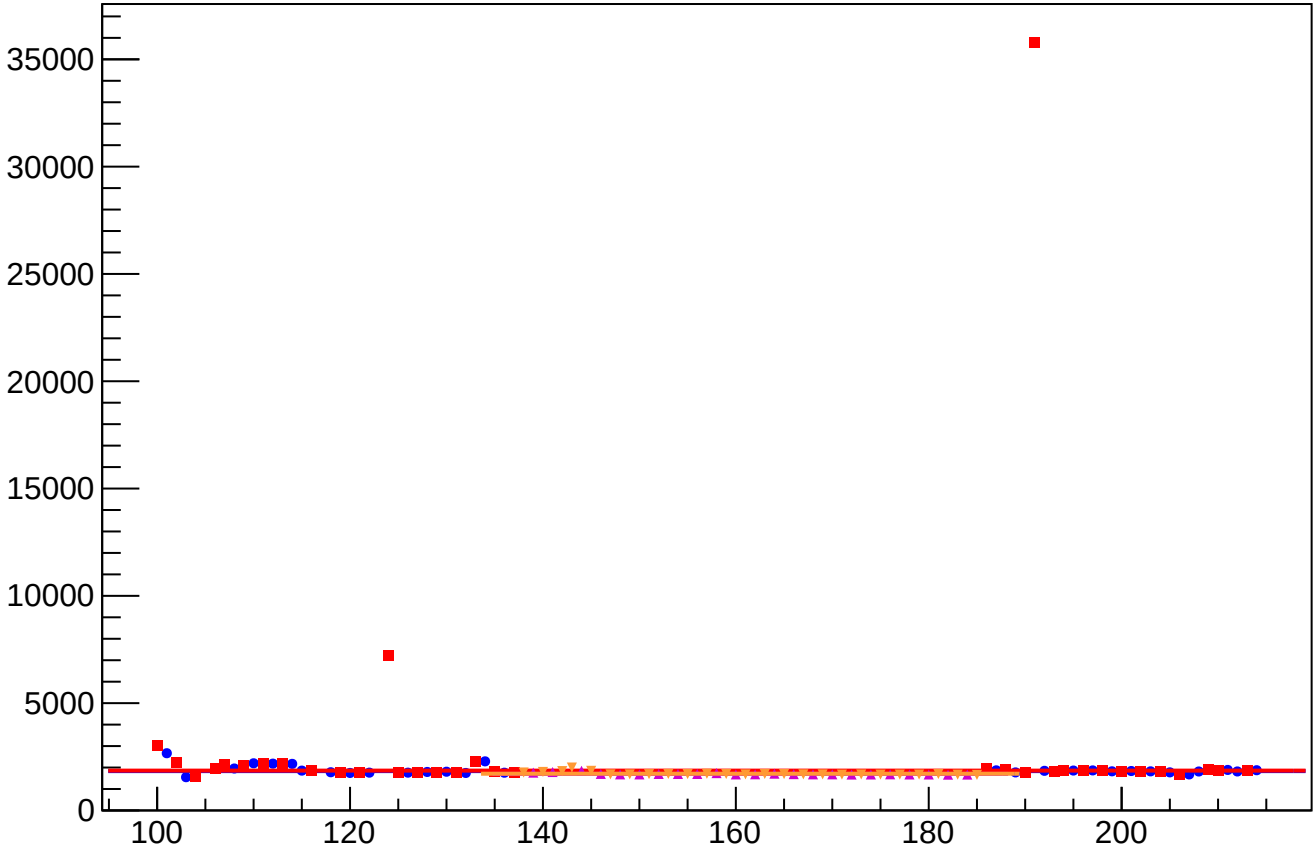
Right: 1937.735+/-304.748 χ^2/NDF: 51.8/63

In: 2532.552+/-291.984 χ^2/NDF:34.8/52

Out: 1212.738+/-289.208 χ^2/NDF:55.5/58

All: 1866.341+/-205.475 χ^2/NDF: 100.6/111

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

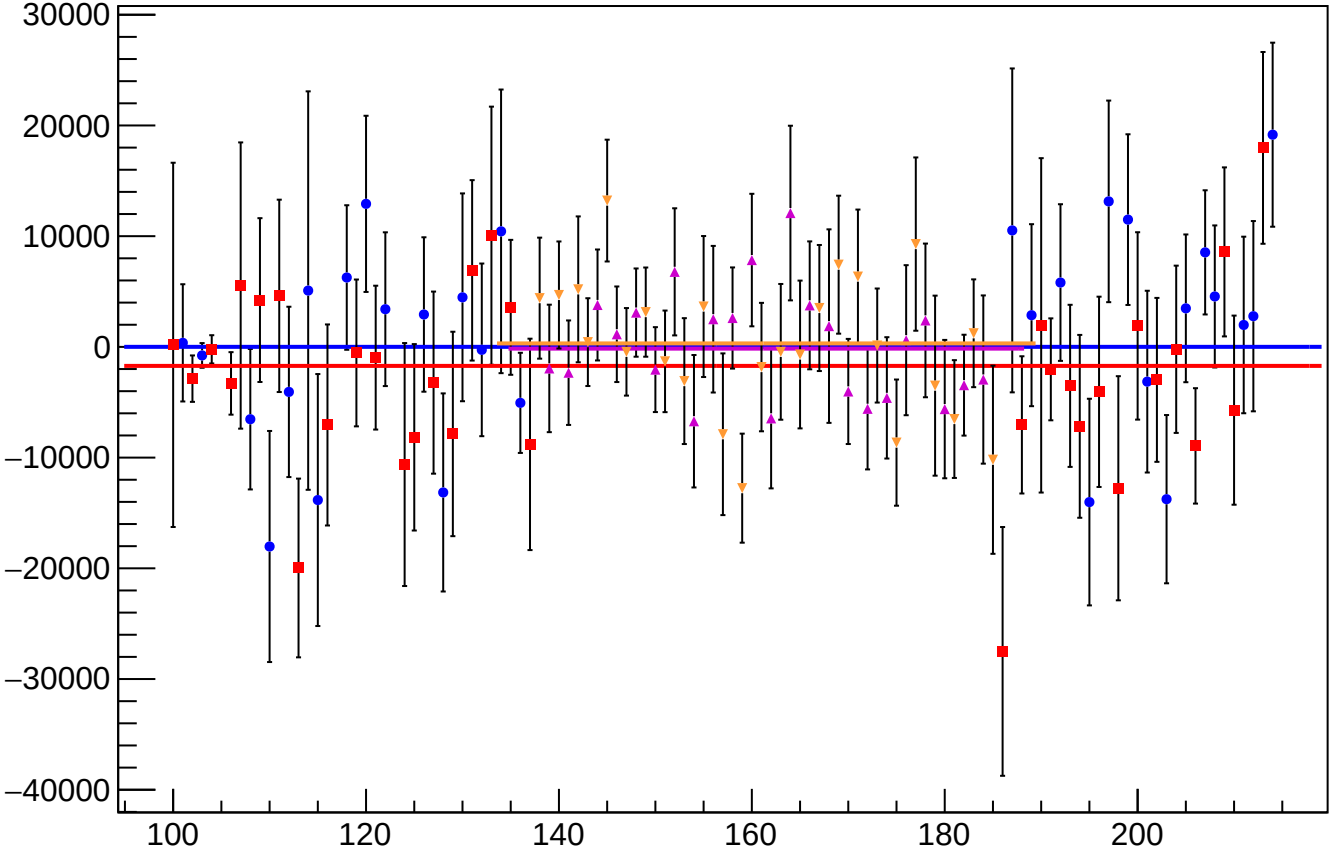
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1844.745+/-0.215 χ^2/NDF: 833082.3/63

In: 1763.617+/-0.206 χ^2/NDF:406794.1/52

Out: 1776.600+/-0.204 χ^2/NDF:727176.6/58

All: 1770.173+/-0.145 χ^2/NDF: 1135967.5/11



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

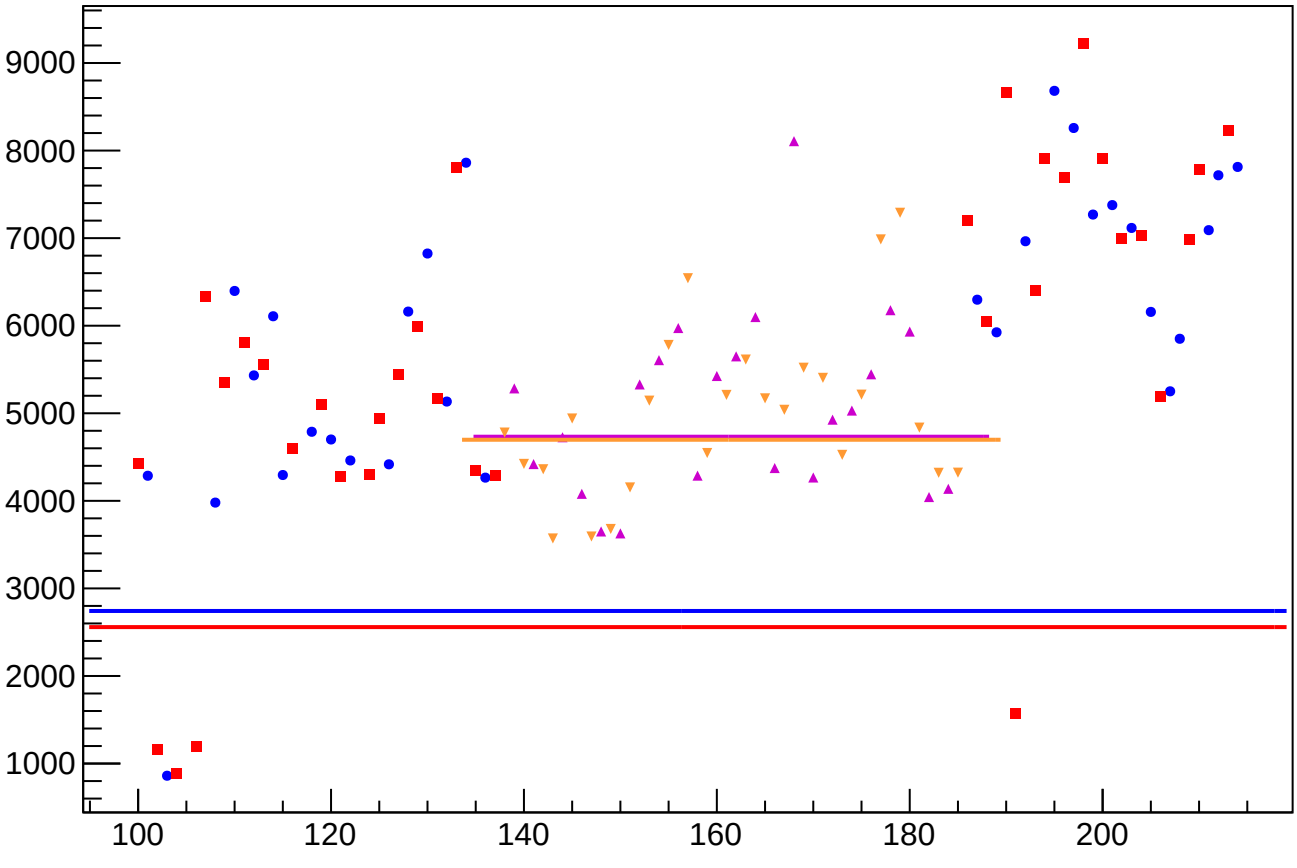
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -903.042+/-600.008 χ^2/NDF: 67.9/63

In: -56.313+/-690.379 χ^2/NDF:49.2/52

Out: -977.147+/-658.871 χ^2/NDF:60.6/58

All: -538.222+/-476.642 χ^2/NDF: 110.8/111



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

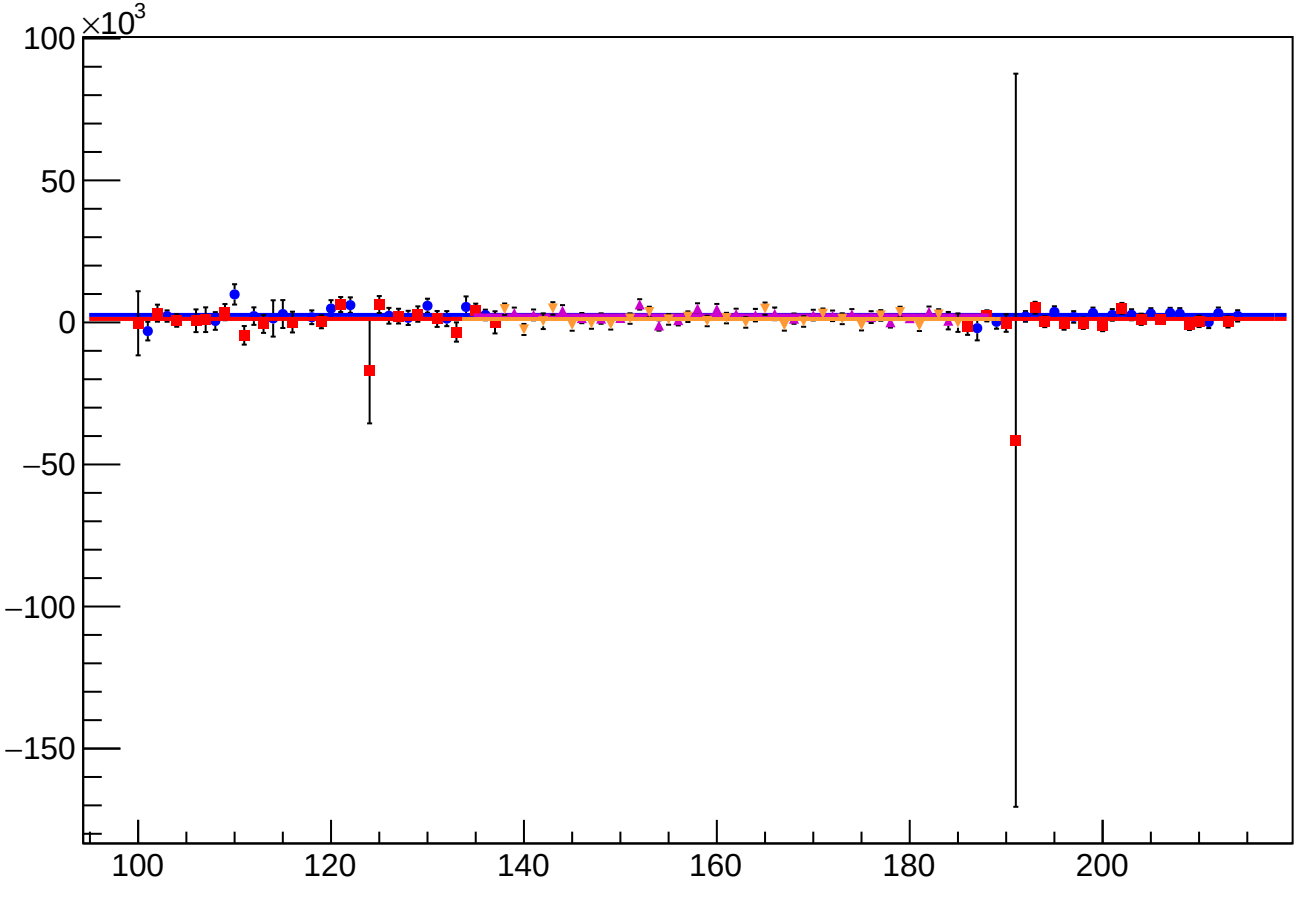
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2645.227+/-0.424 χ^2/NDF: 33927545.3/63

In: 3487.229+/-0.488 χ^2/NDF:21707527.5/52

Out: 3337.074+/-0.466 χ^2/NDF:23429464.9/58

All: 3408.647+/-0.337 χ^2/NDF: 45186505.5/1



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

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

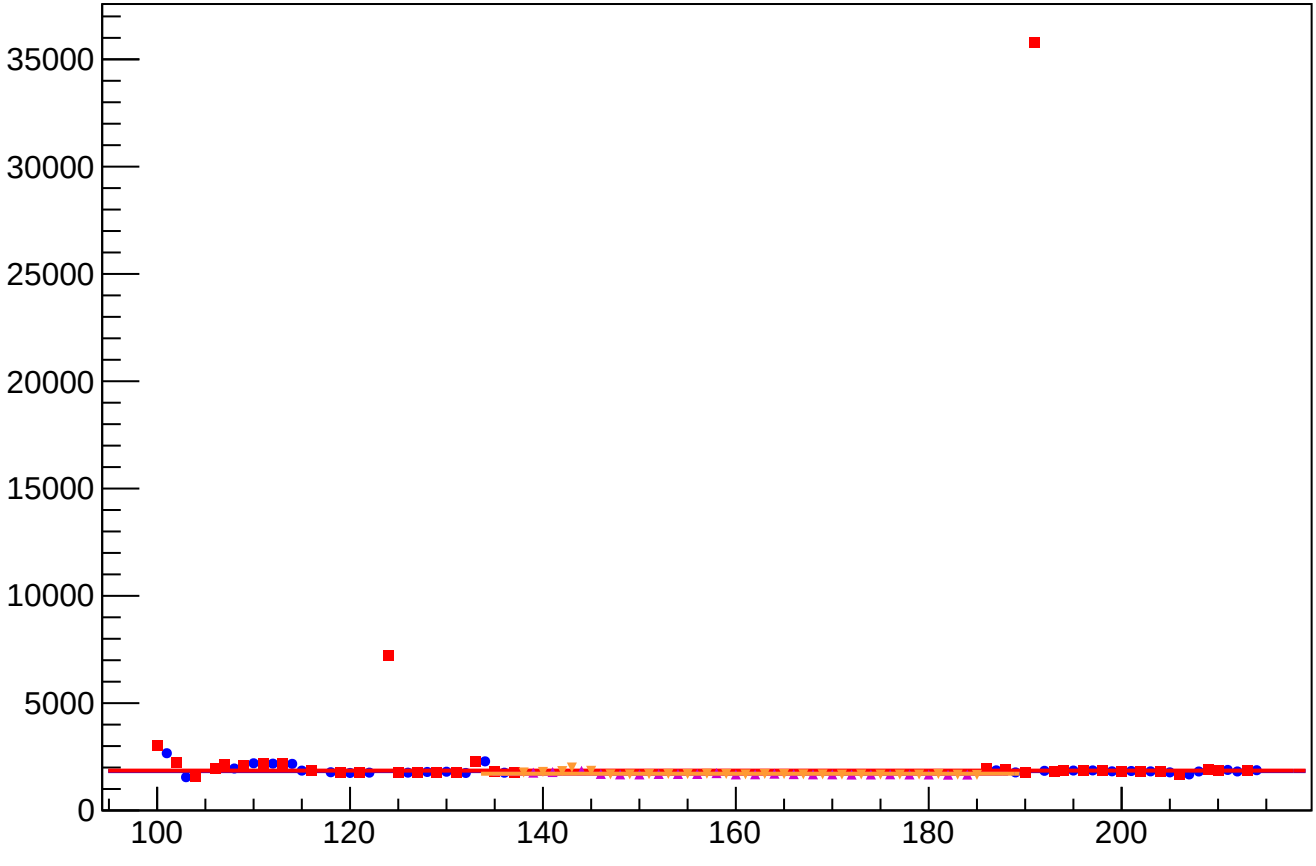
Right: 1937.588+/-304.748 χ^2/NDF: 51.8/63

In: 2532.581+/-291.984 χ^2/NDF:34.8/52

Out: 1212.487+/-289.208 χ^2/NDF:55.5/58

All: 1866.229+/-205.475 χ^2/NDF: 100.6/111

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

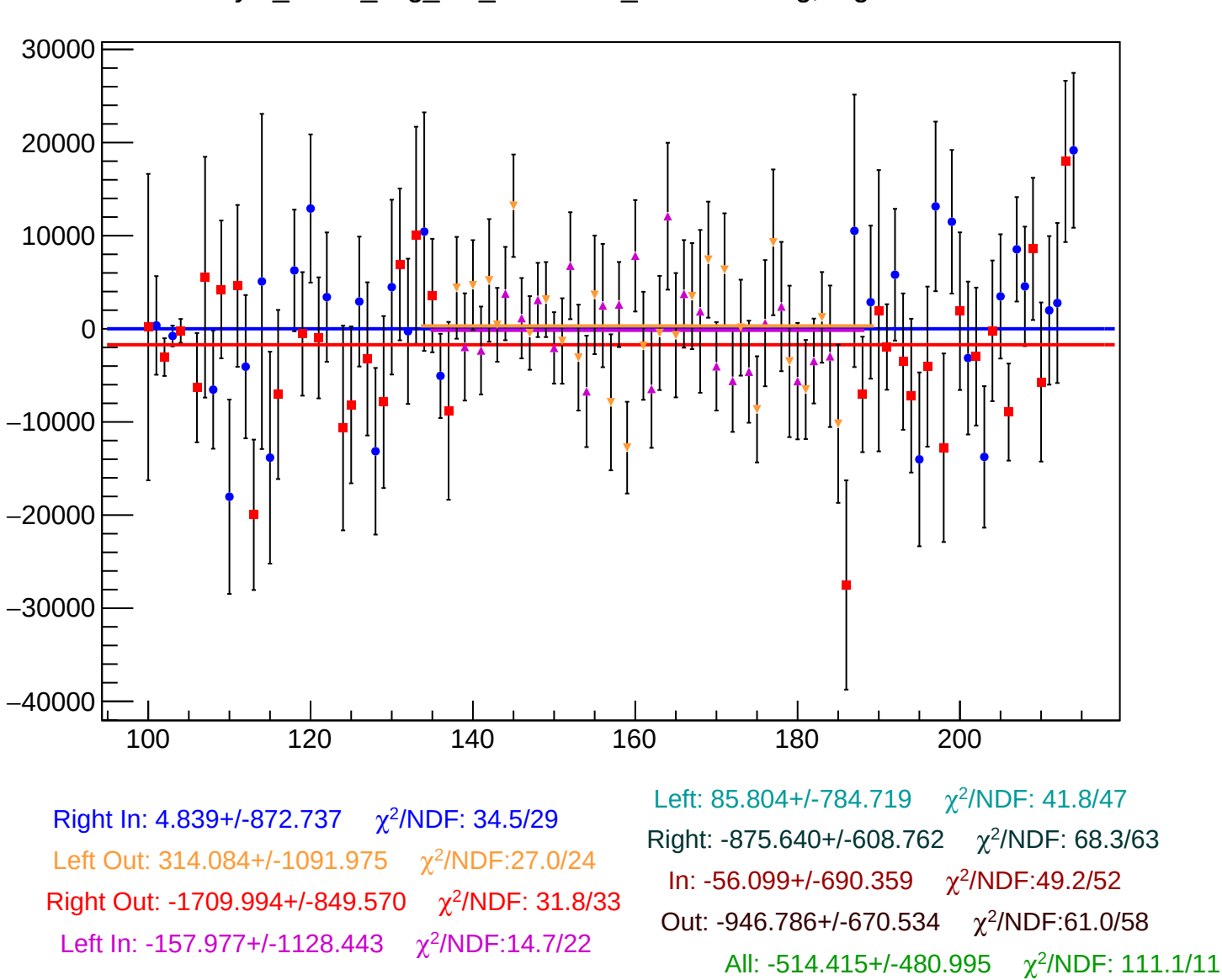
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

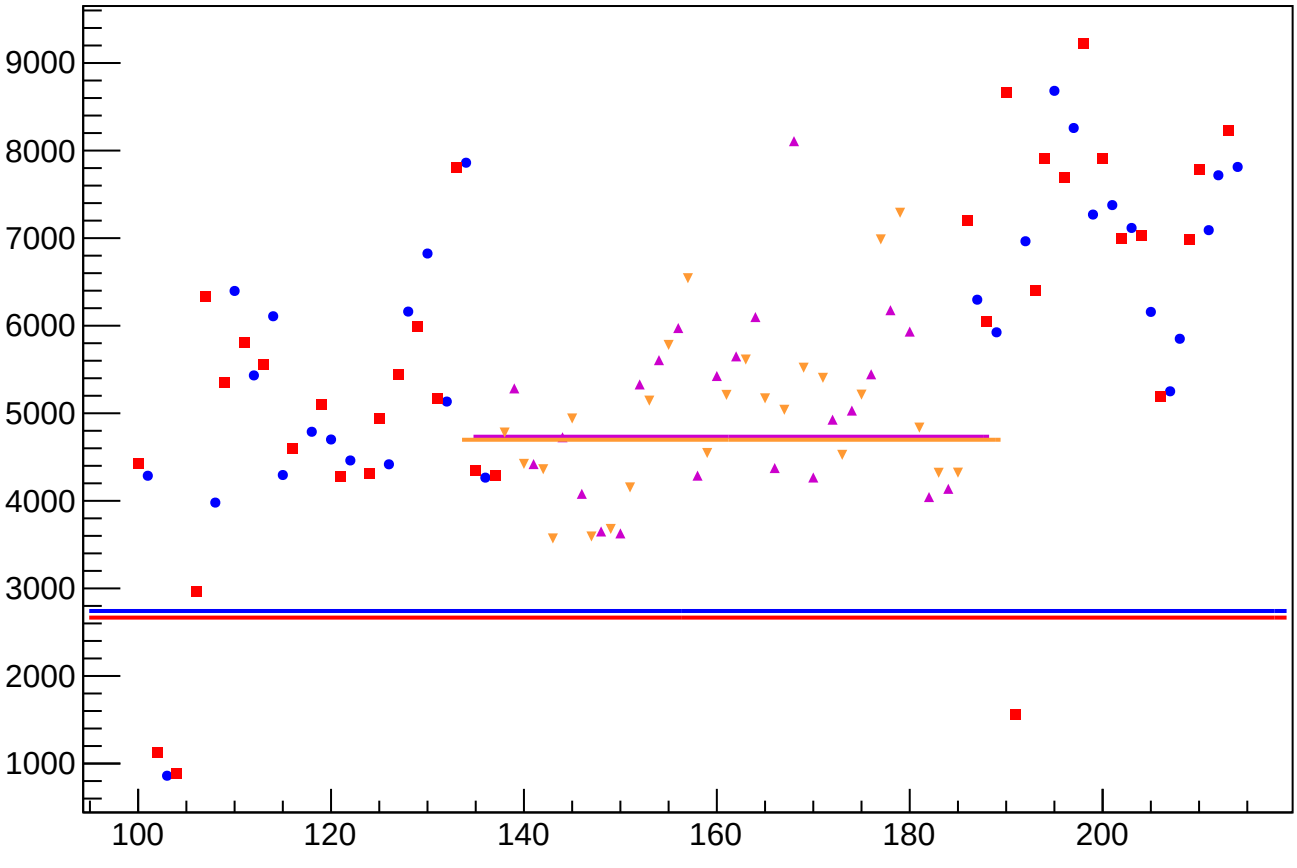
Right: 1844.826+/-0.215 χ^2/NDF: 833492.6/63

In: 1763.617+/-0.206 χ^2/NDF:406794.0/52

Out: 1776.668+/-0.204 χ^2/NDF:727818.1/58

All: 1770.208+/-0.145 χ^2/NDF: 1136629.9/11


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 4.839+/-872.737 χ²/NDF: 34.5/29
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1709.994+/-849.570 χ²/NDF: 31.8/33
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -875.640+/-608.762 χ²/NDF: 68.3/63
In: -56.099+/-690.359 χ²/NDF:49.2/52
Out: -946.786+/-670.534 χ²/NDF:61.0/58
All: -514.415+/-480.995 χ²/NDF: 111.1/111



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

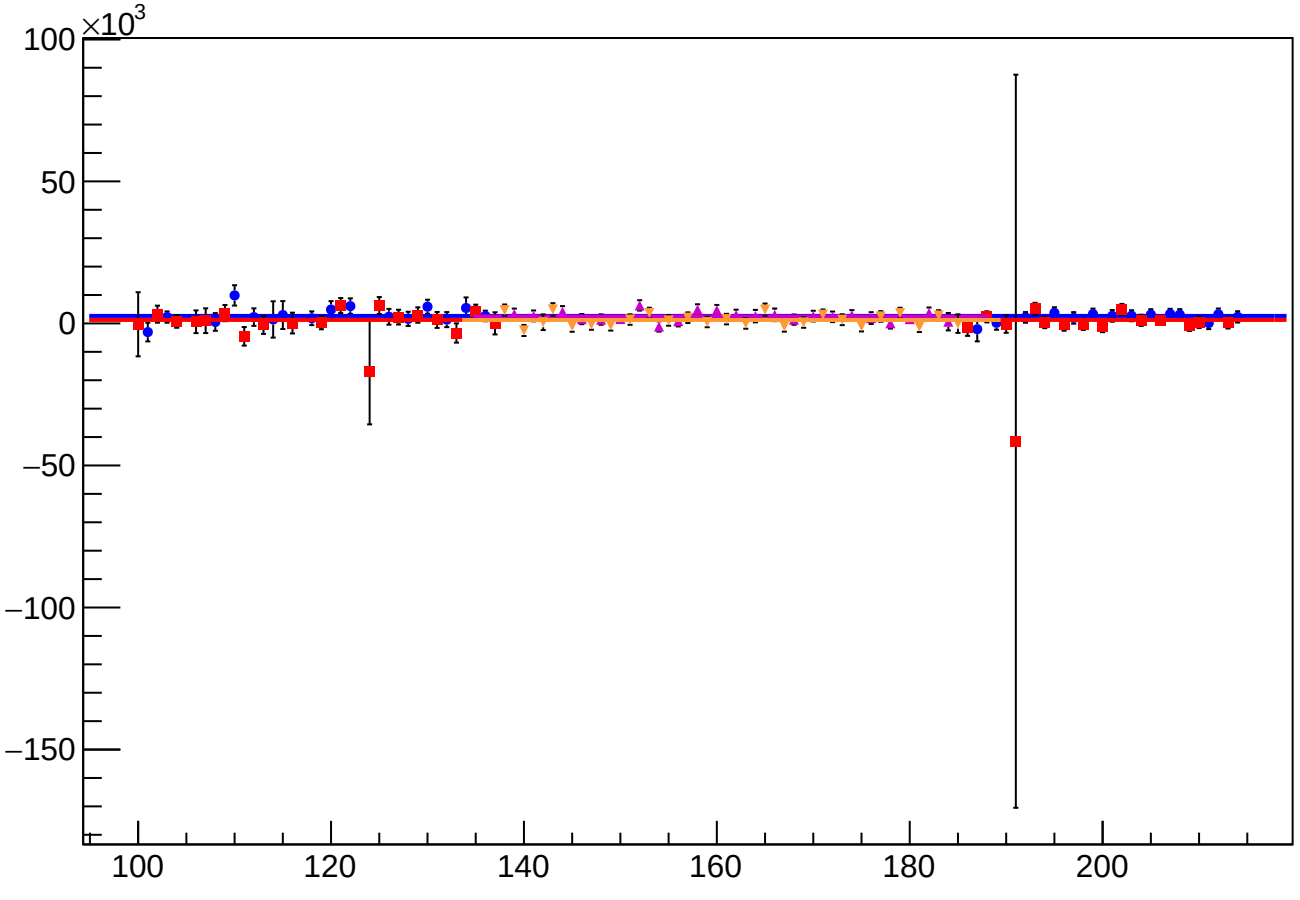
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2703.355+/-0.430 χ^2/NDF: 33517682.5/63

In: 3487.057+/-0.488 χ^2/NDF:21709649.6/52

Out: 3432.422+/-0.474 χ^2/NDF:22485492.3/58

All: 3458.944+/-0.340 χ^2/NDF: 44201587.6/1



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

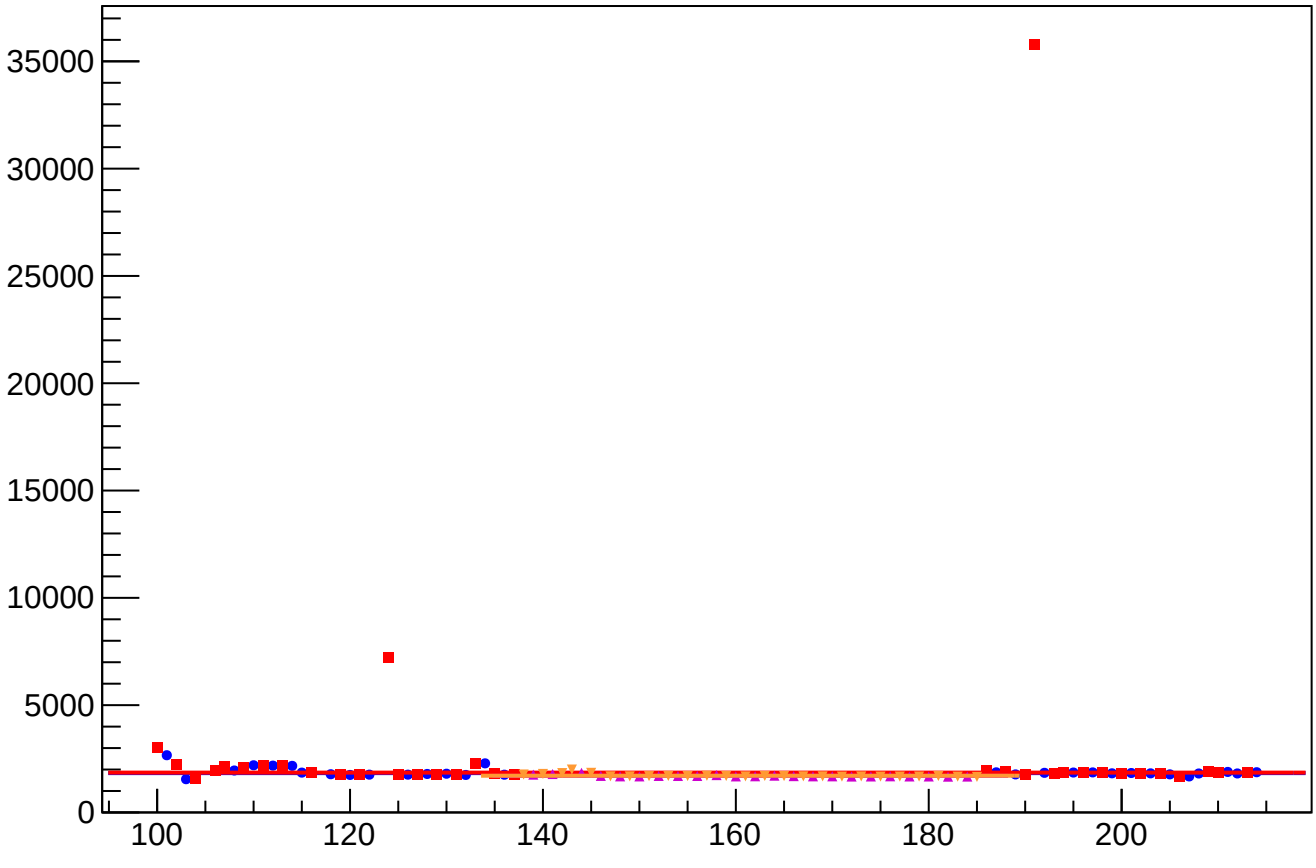
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 1937.588+/-304.748 χ^2/NDF: 51.8/63

In: 2532.581+/-291.984 χ^2/NDF:34.8/52

Out: 1212.487+/-289.208 χ^2/NDF:55.5/58

All: 1866.229+/-205.475 χ^2/NDF: 100.6/111



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

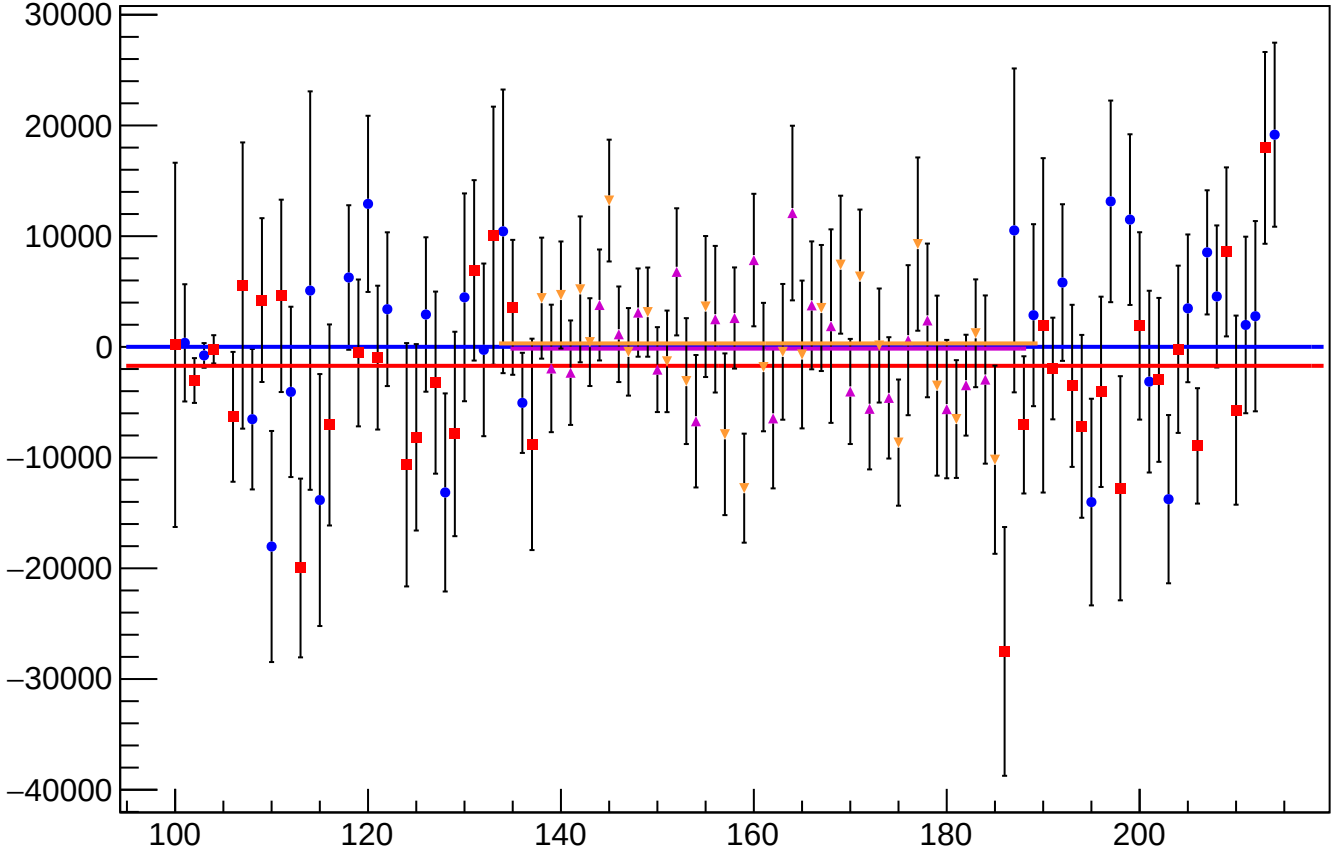
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1844.826+/-0.215 χ^2/NDF: 833492.6/63

In: 1763.617+/-0.206 χ^2/NDF:406794.0/52

Out: 1776.668+/-0.204 χ^2/NDF:727818.1/58

All: 1770.208+/-0.145 χ^2/NDF: 1136629.9/11



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

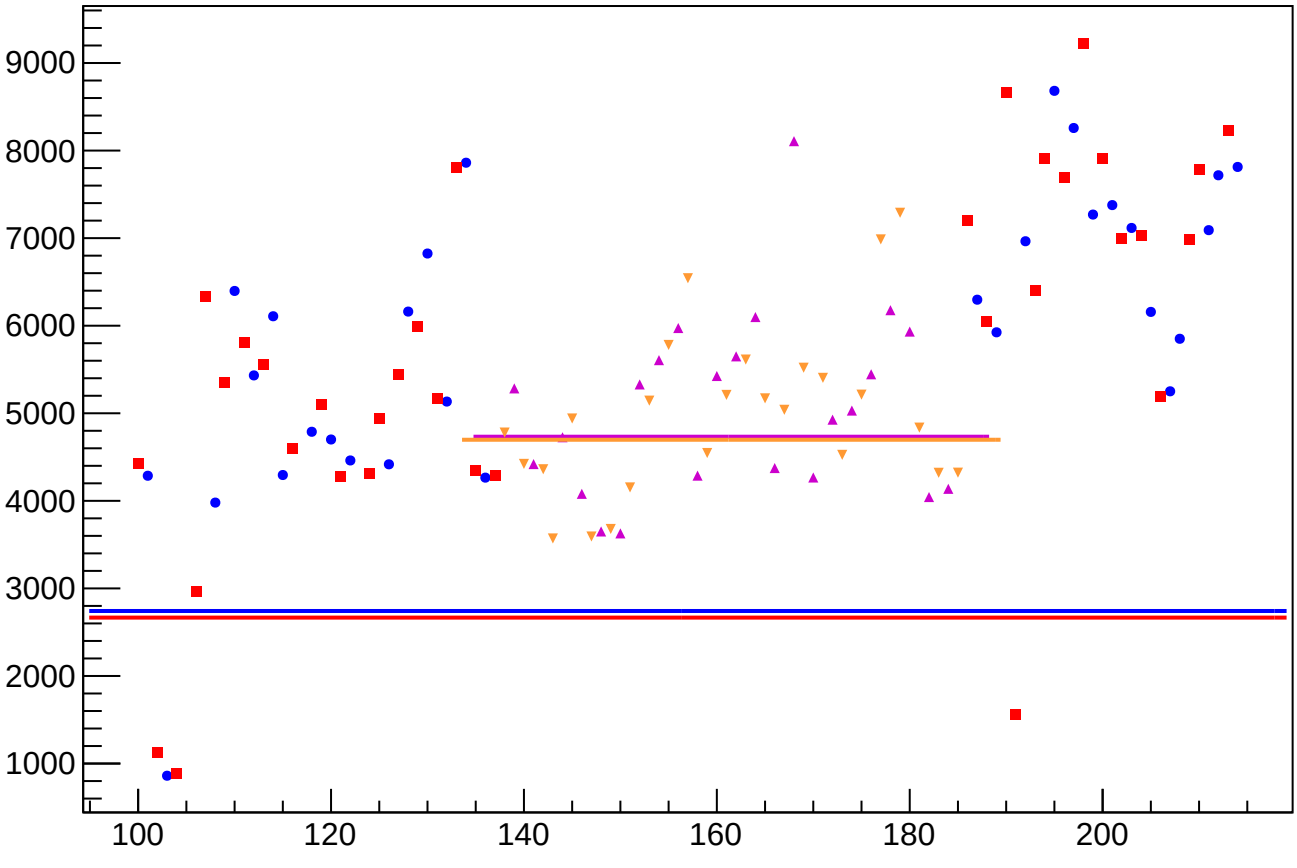
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -875.640+/-608.762 χ^2/NDF: 68.3/63

In: -56.099+/-690.359 χ^2/NDF:49.2/52

Out: -946.786+/-670.534 χ^2/NDF:61.0/58

All: -514.415+/-480.995 χ^2/NDF: 111.1/111



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

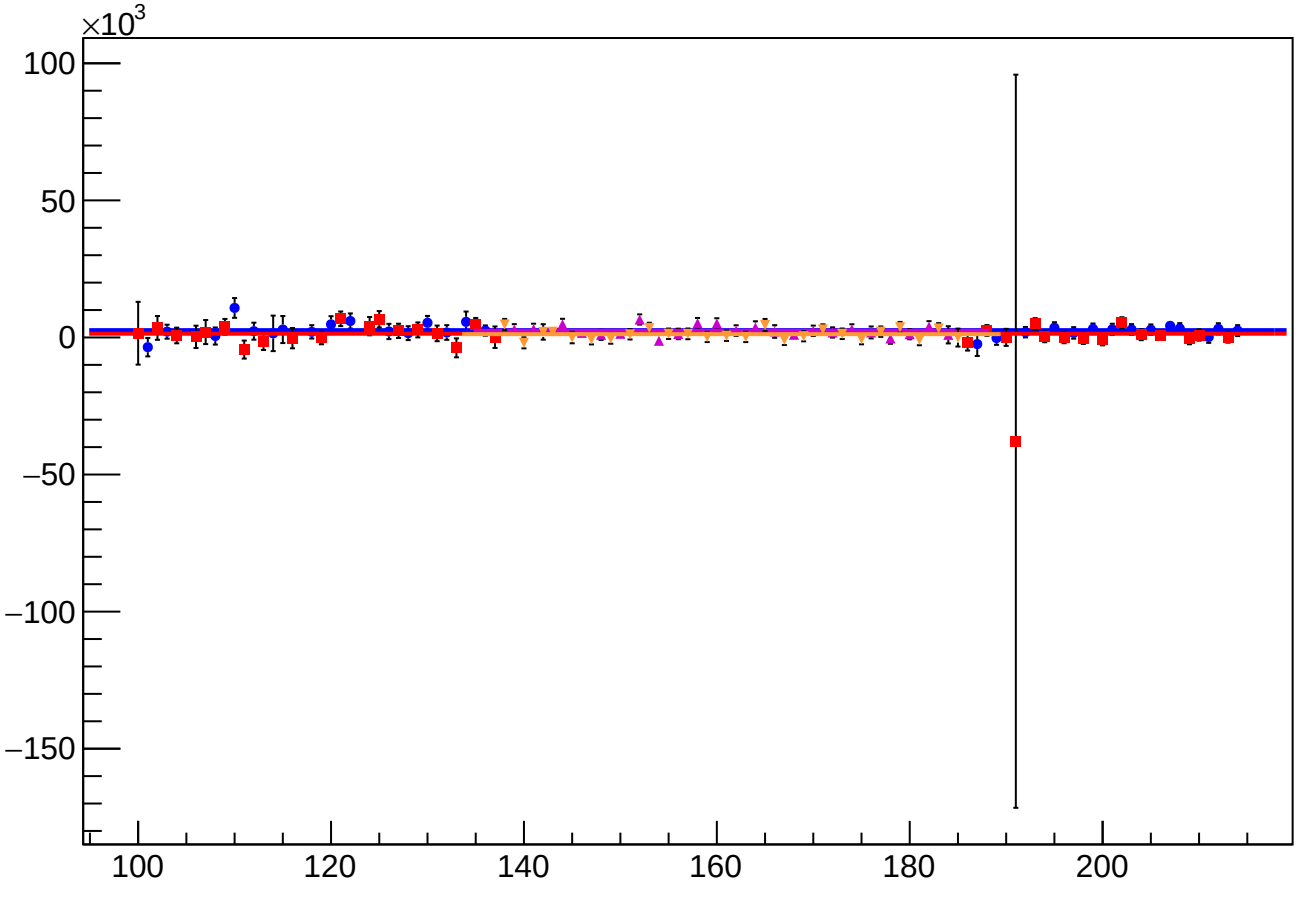
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2703.355+/-0.430 χ^2/NDF: 33517682.5/63

In: 3487.057+/-0.488 χ^2/NDF:21709649.6/52

Out: 3432.422+/-0.474 χ^2/NDF:22485492.3/58

All: 3458.944+/-0.340 χ^2/NDF: 44201587.6/



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

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

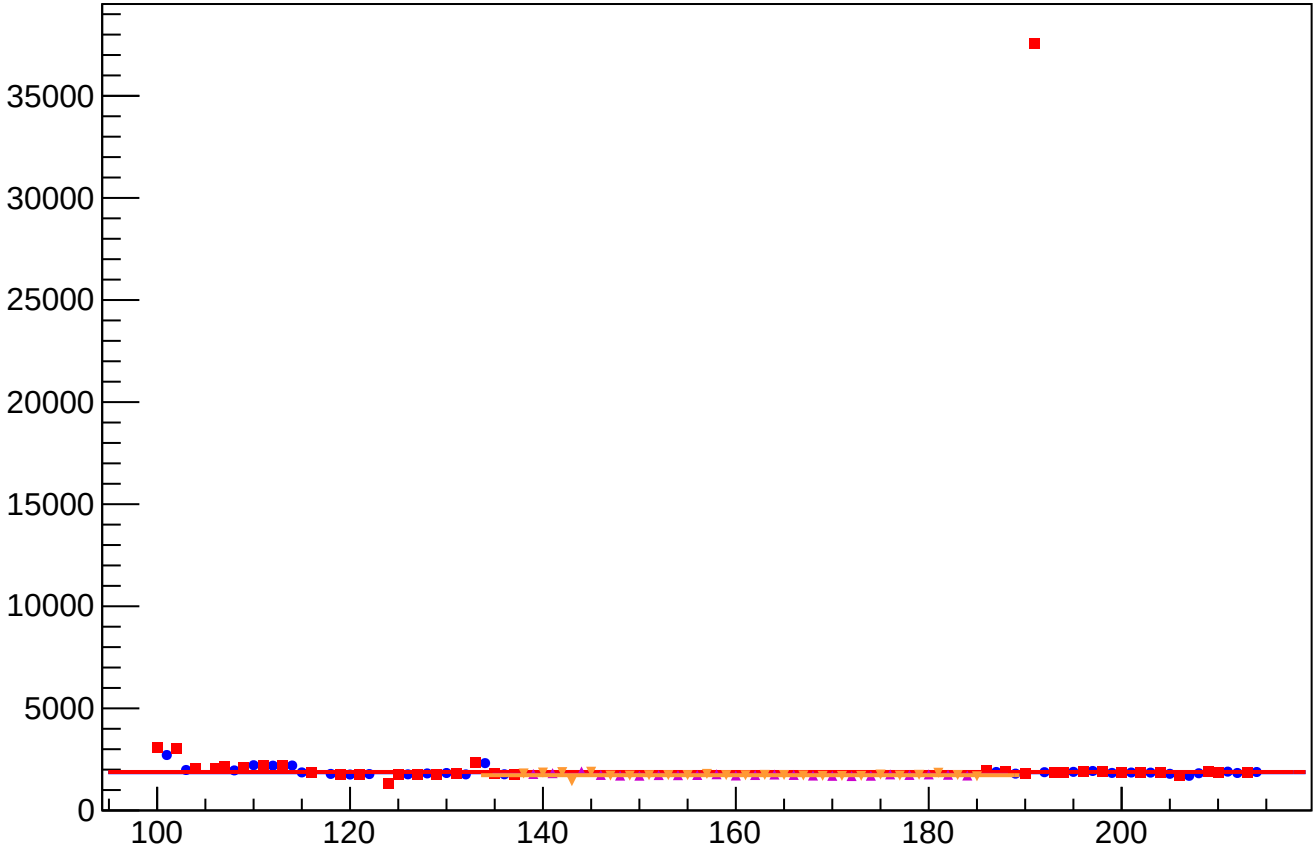
Right: 2014.968+/-310.386 χ^2/NDF: 54.0/63

In: 2544.676+/-298.516 χ^2/NDF:39.5/52

Out: 1269.184+/-292.931 χ^2/NDF:50.3/58

All: 1894.887+/-209.080 χ^2/NDF: 99.2/111

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

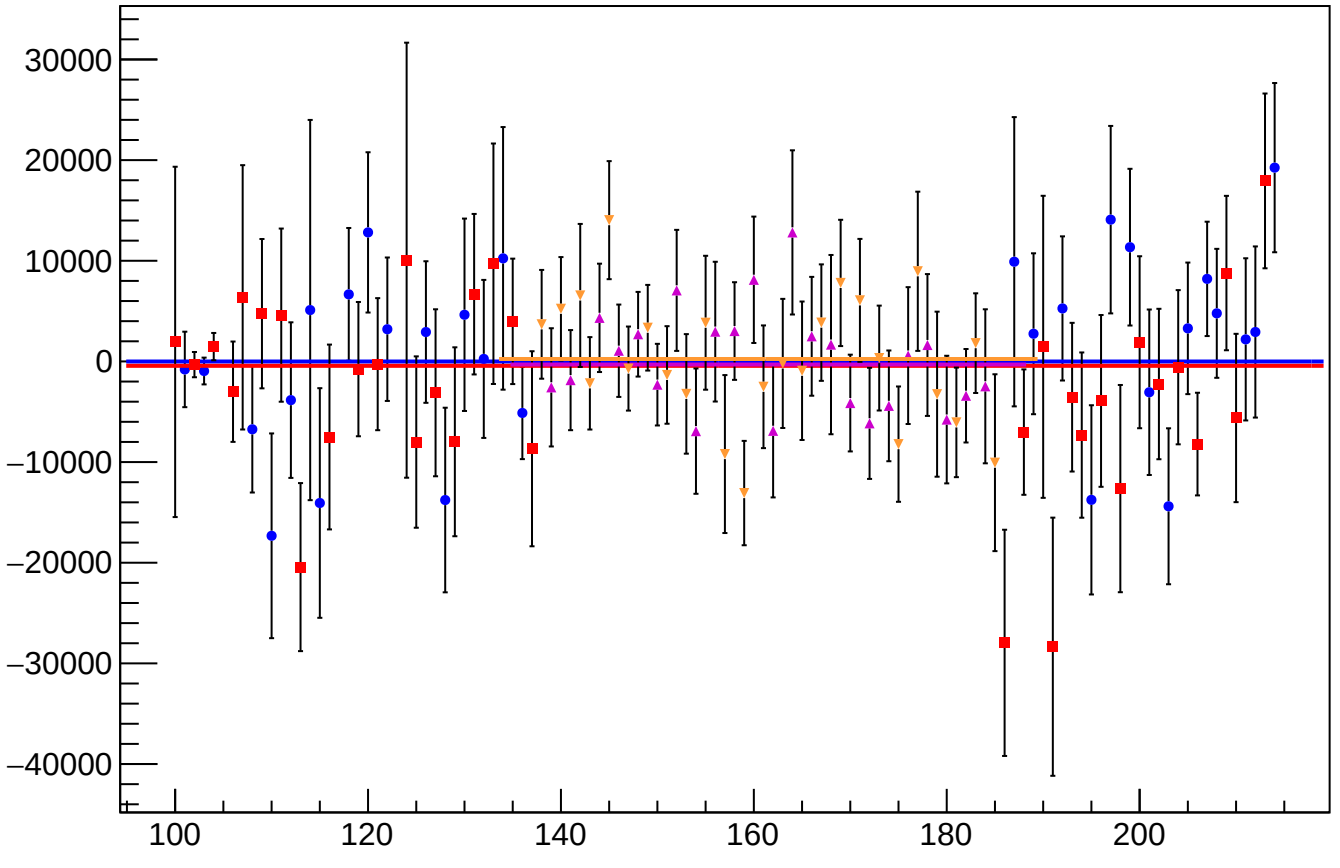
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1877.574+/-0.219 χ^2/NDF: 774648.2/63

In: 1803.134+/-0.211 χ^2/NDF:368406.8/52

Out: 1797.064+/-0.207 χ^2/NDF:773335.3/58

All: 1800.041+/-0.148 χ^2/NDF: 1142163.6/11



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

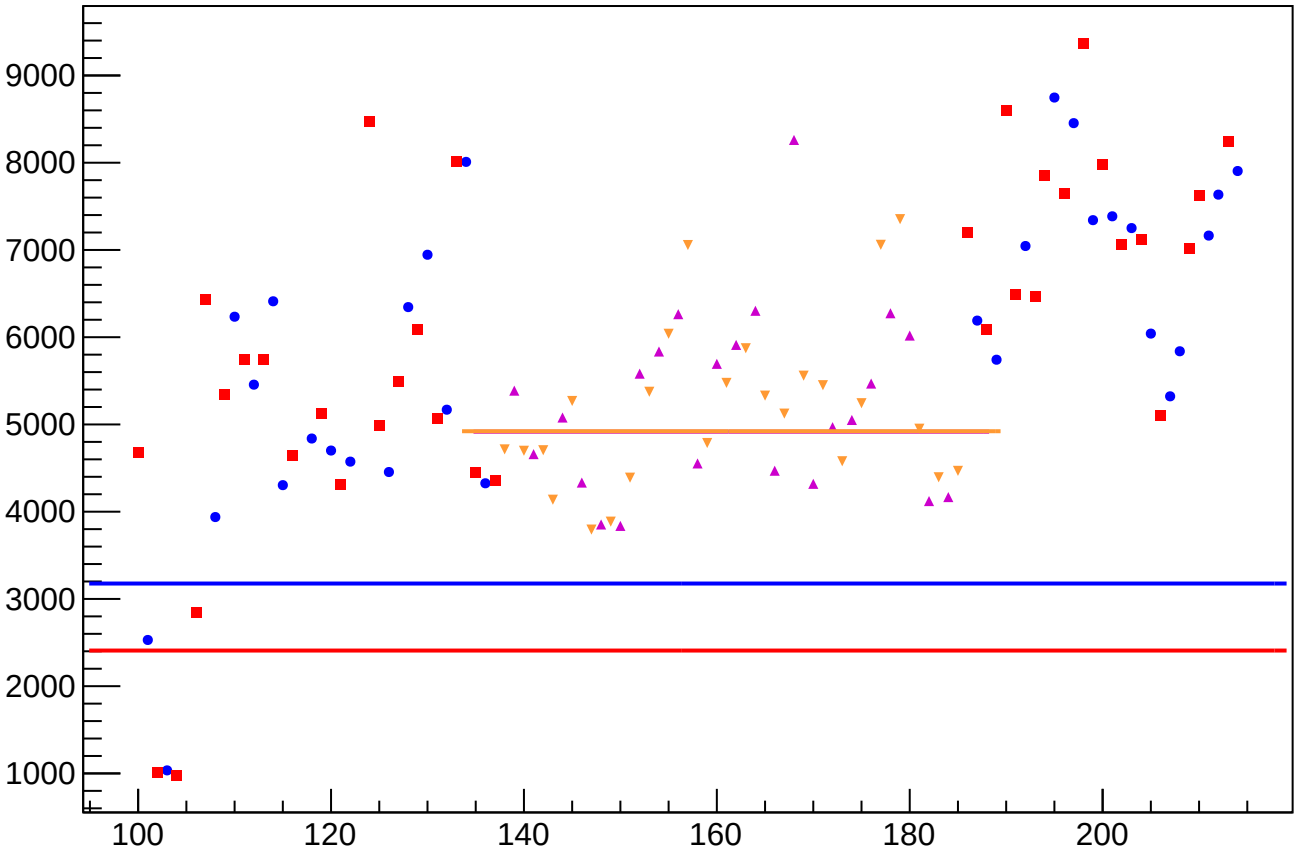
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -266.499+/-601.201 χ^2/NDF: 71.8/63

In: -126.948+/-738.875 χ^2/NDF:48.9/52

Out: -223.148+/-641.186 χ^2/NDF:64.3/58

All: -181.824+/-484.268 χ^2/NDF: 113.2/111



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

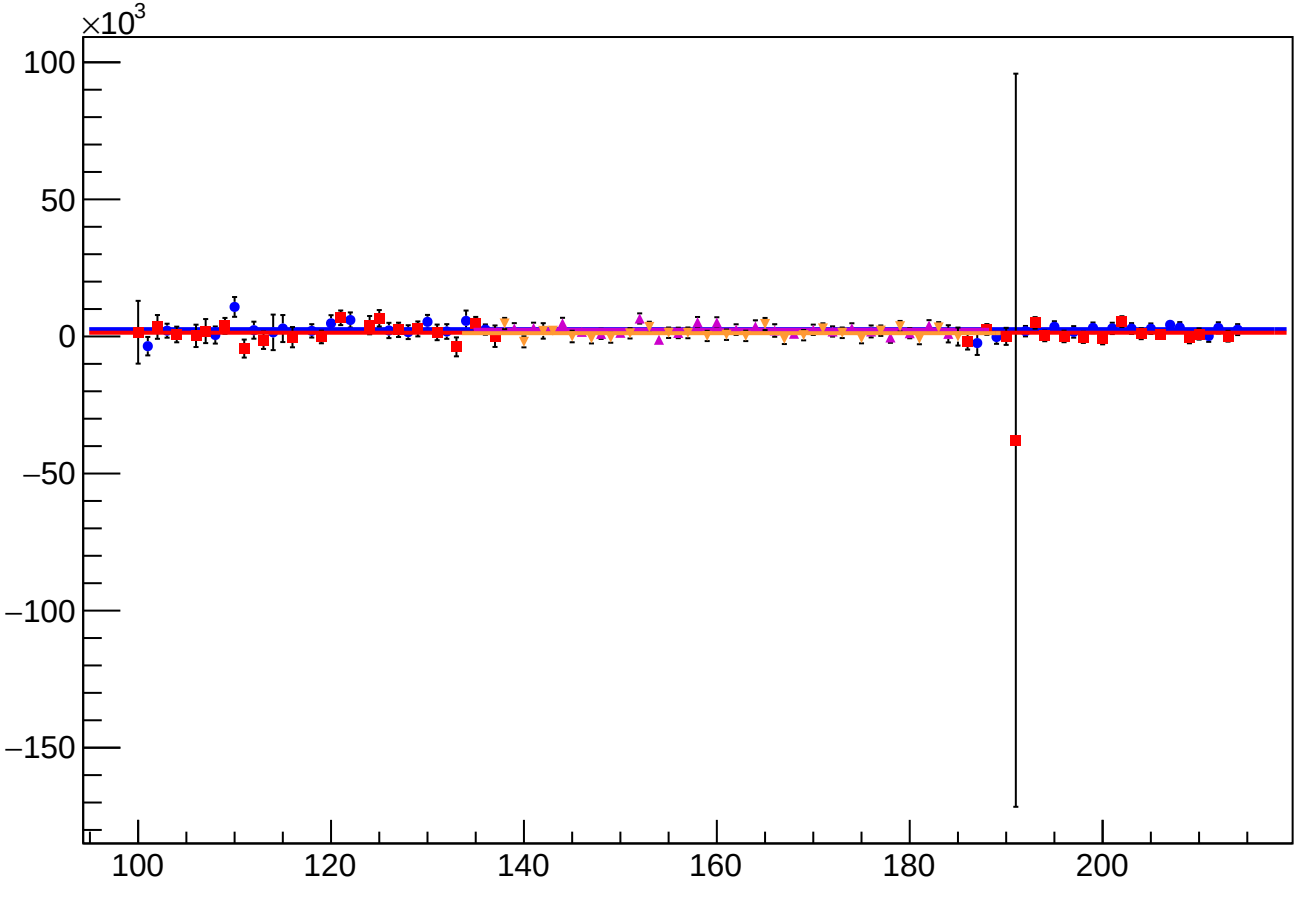
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2714.529+/-0.425 χ^2/NDF: 32963854.1/63

In: 3869.459+/-0.522 χ^2/NDF:17507784.0/52

Out: 3202.369+/-0.453 χ^2/NDF:26187621.9/58

All: 3488.929+/-0.342 χ^2/NDF: 44625362.9/



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

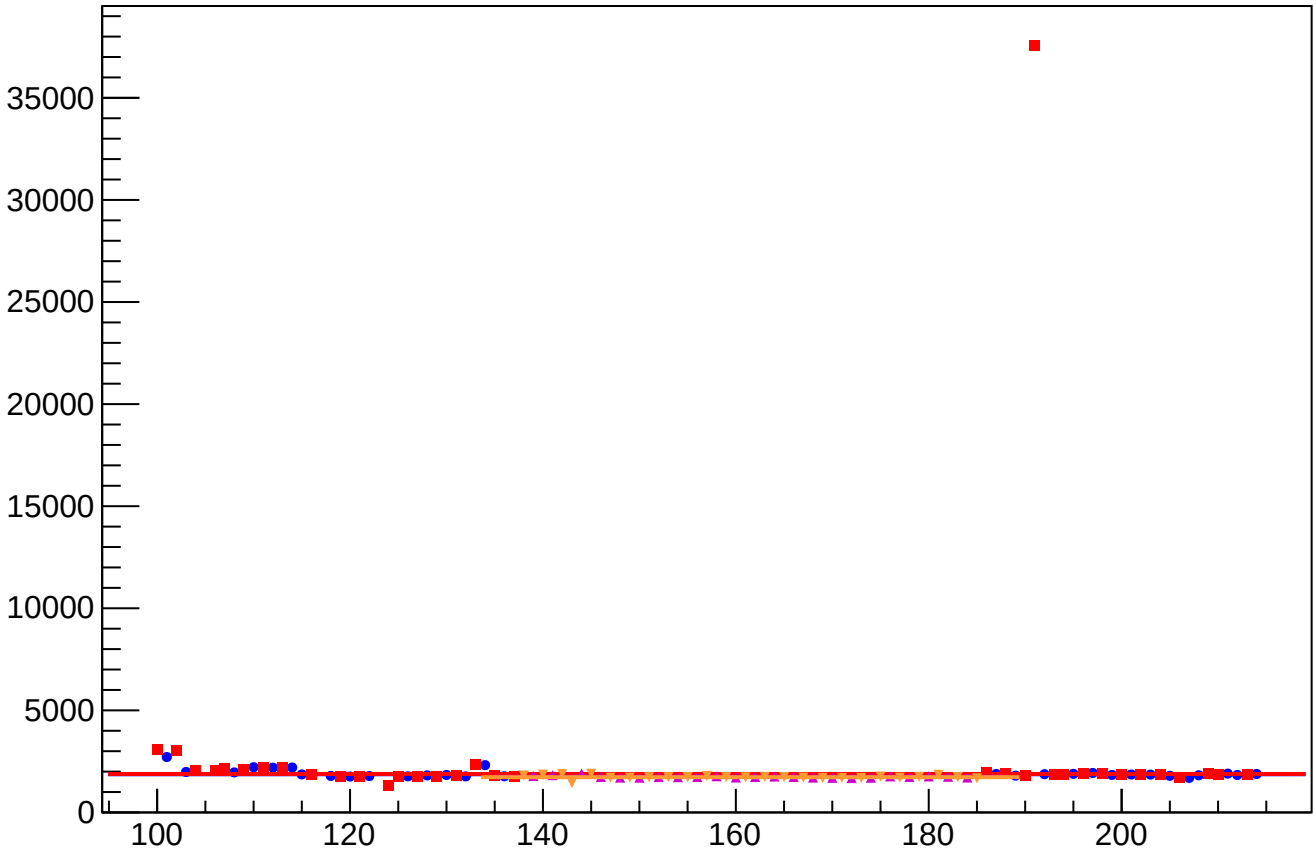
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2014.966+/-310.386 χ^2/NDF: 54.0/63

In: 2544.674+/-298.516 χ^2/NDF:39.5/52

Out: 1269.181+/-292.931 χ^2/NDF:50.3/58

All: 1894.884+/-209.080 χ^2/NDF: 99.2/111



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

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

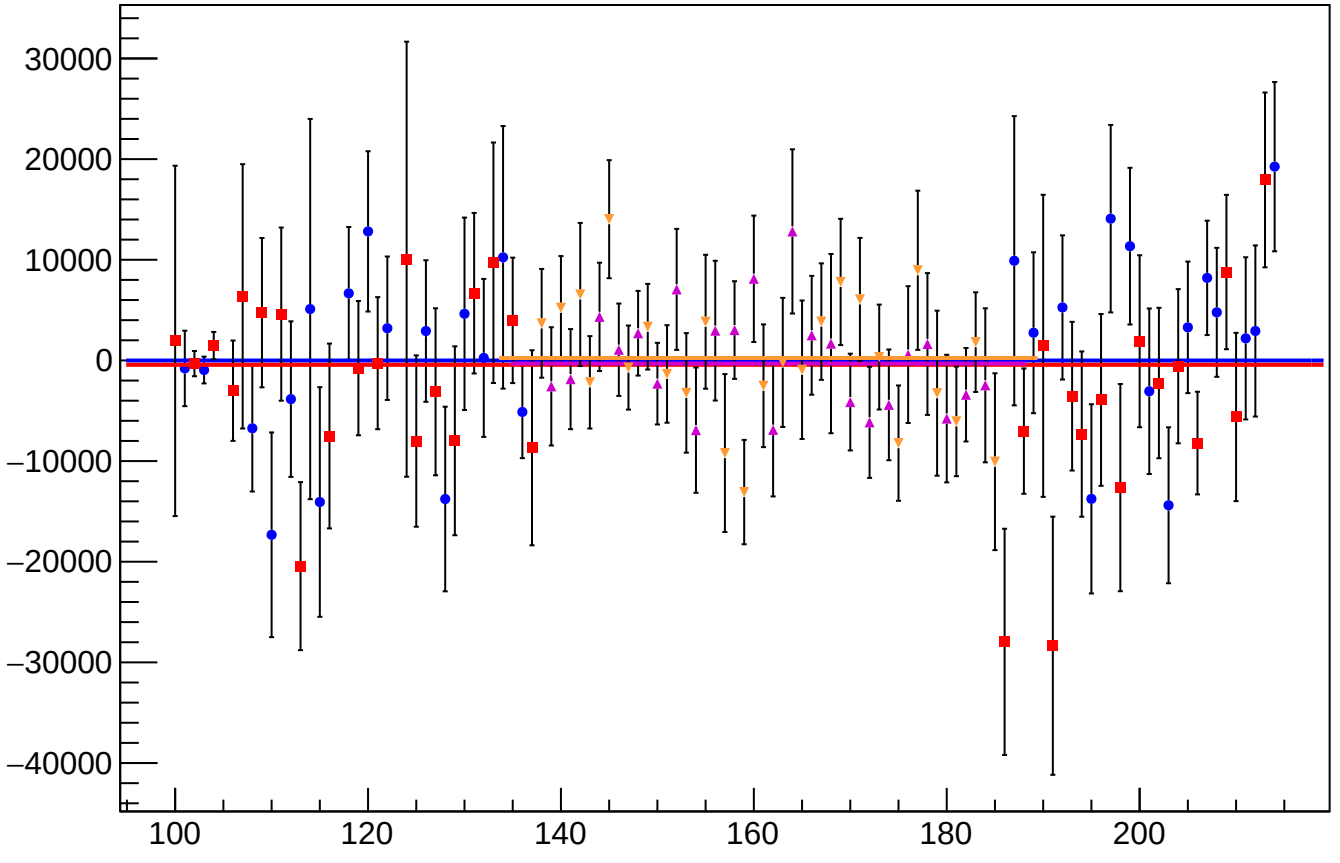
Right: 1877.573+/-0.219 χ^2/NDF: 774647.0/63

In: 1803.135+/-0.211 χ^2/NDF:368405.3/52

Out: 1797.064+/-0.207 χ^2/NDF:773331.3/58

All: 1800.042+/-0.148 χ^2/NDF: 1142158.0/11

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

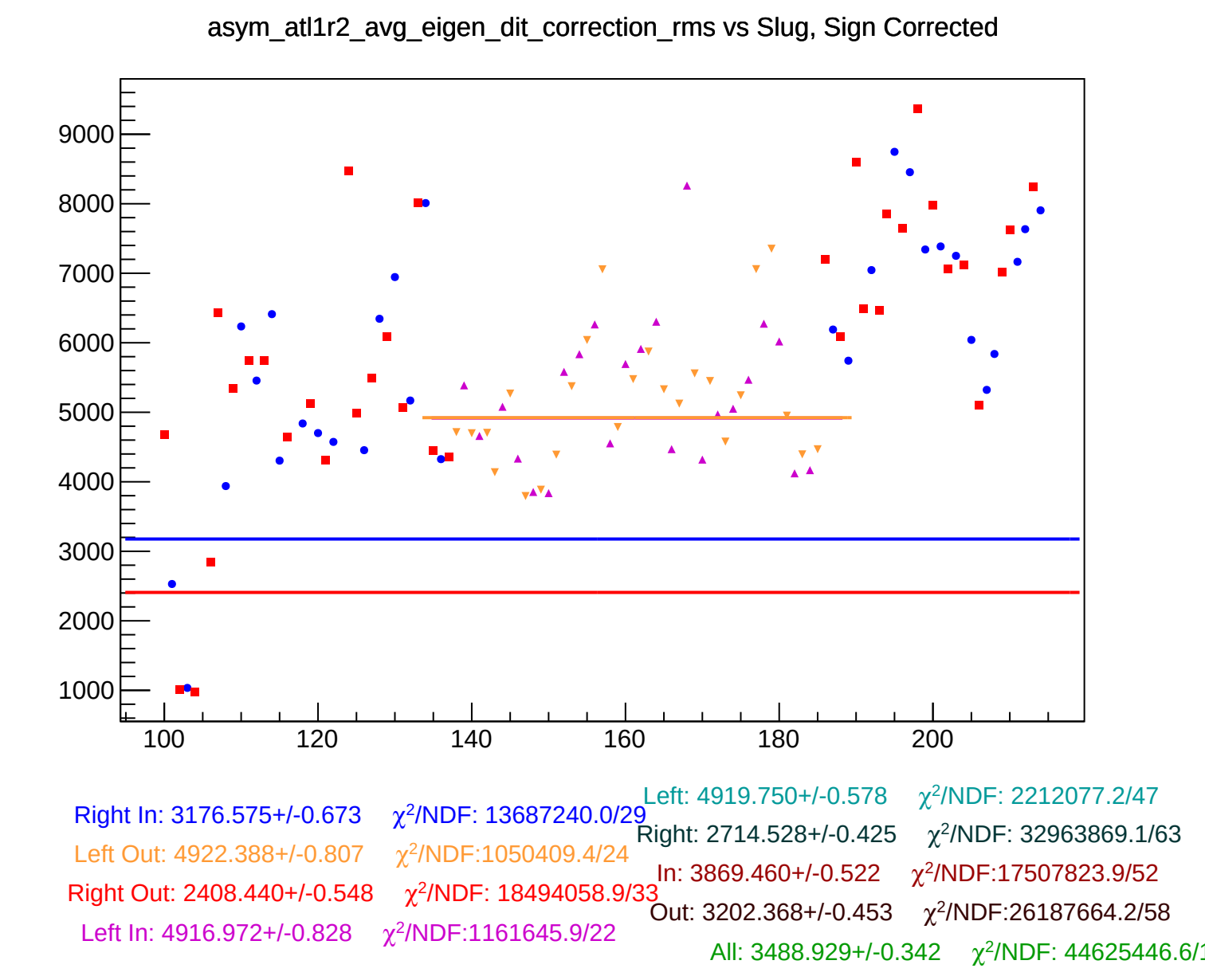
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

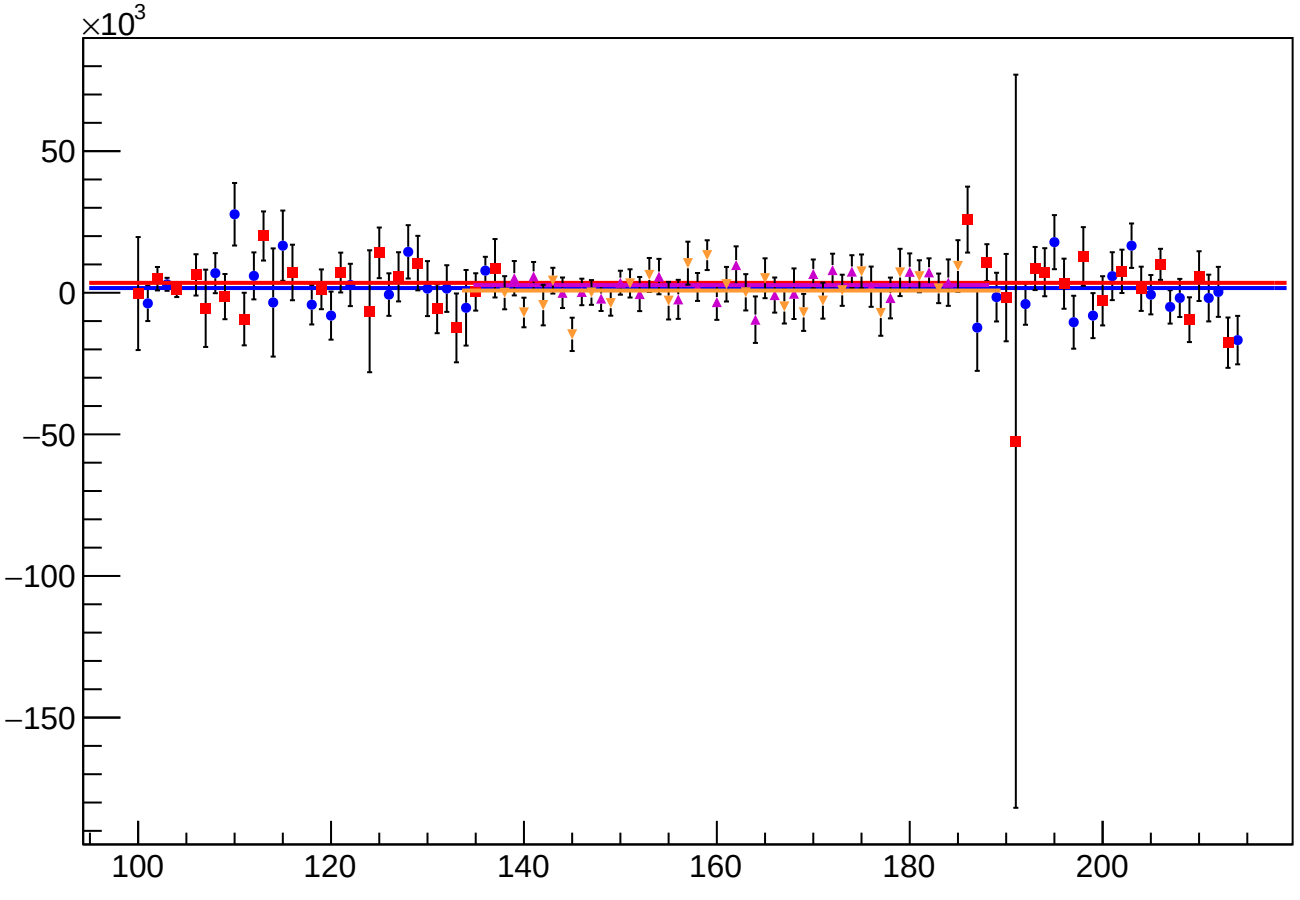
Right: -266.501+/-601.201 χ^2/NDF: 71.8/63

In: -126.949+/-738.875 χ^2/NDF:48.9/52

Out: -223.152+/-641.186 χ^2/NDF:64.3/58

All: -181.827+/-484.269 χ^2/NDF: 113.2/111


asym_atl1r2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 3176.575+/-0.673 χ²/NDF: 13687240.0/29
Left Out: 4922.388+/-0.807 χ²/NDF:1050409.4/24
Right Out: 2408.440+/-0.548 χ²/NDF: 18494058.9/33
Left In: 4916.972+/-0.828 χ²/NDF:1161645.9/22
Left: 4919.750+/-0.578 χ²/NDF: 2212077.2/47
Right: 2714.528+/-0.425 χ²/NDF: 32963869.1/63
In: 3869.460+/-0.522 χ²/NDF:17507823.9/52
Out: 3202.368+/-0.453 χ²/NDF:26187664.2/58
All: 3488.929+/-0.342 χ²/NDF: 44625446.6/1



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

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

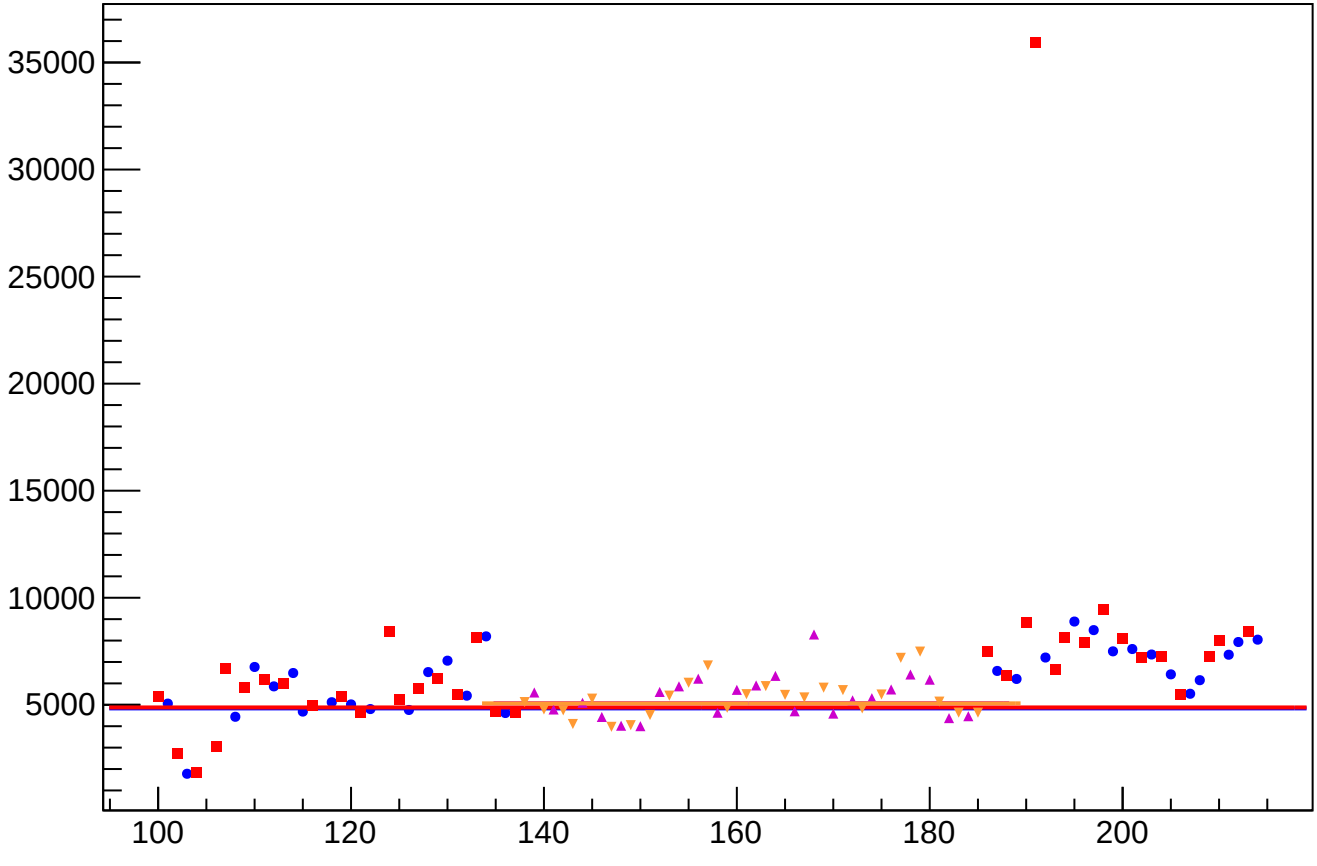
Right: 2565.271+/-889.144 χ^2/NDF: 64.8/63

In: 2199.638+/-868.090 χ^2/NDF:45.1/52

Out: 2038.806+/-859.645 χ^2/NDF:61.0/58

All: 2118.436+/-610.825 χ^2/NDF: 106.1/111

asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

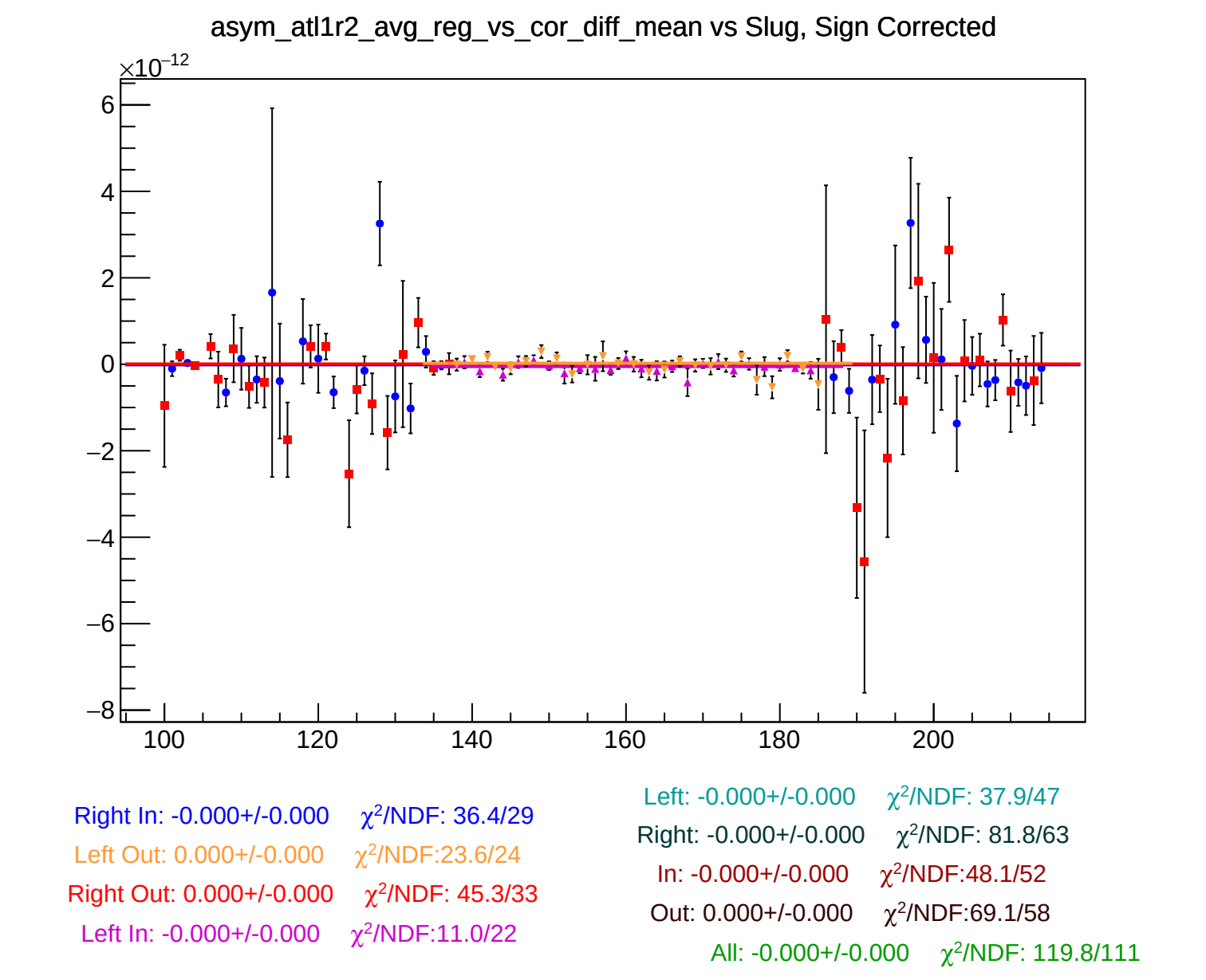
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

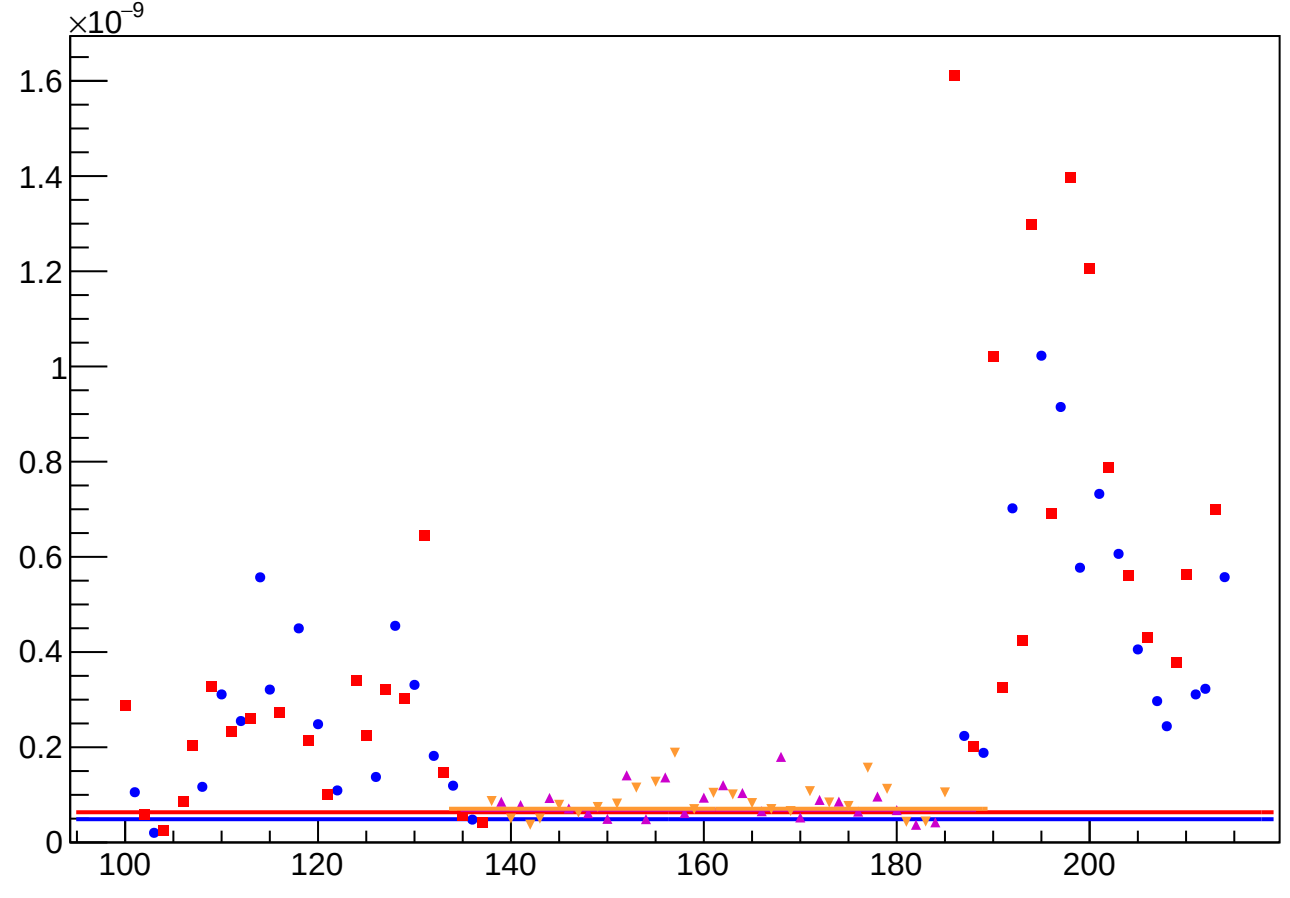
Right: 4854.240+/-0.627 χ^2/NDF: 13268033.0/63

In: 4960.259+/-0.614 χ^2/NDF:7544922.0/52

Out: 4978.962+/-0.606 χ^2/NDF:7742761.8/58

All: 4969.731+/-0.431 χ^2/NDF: 15288153.9/1


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 36.4/29
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 45.3/33
Left In: -0.000+/-0.000 χ²/NDF:11.0/22
Left: -0.000+/-0.000 χ²/NDF: 37.9/47
Right: -0.000+/-0.000 χ²/NDF: 81.8/63
In: -0.000+/-0.000 χ²/NDF:48.1/52
Out: 0.000+/-0.000 χ²/NDF:69.1/58
All: -0.000+/-0.000 χ²/NDF: 119.8/111



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

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

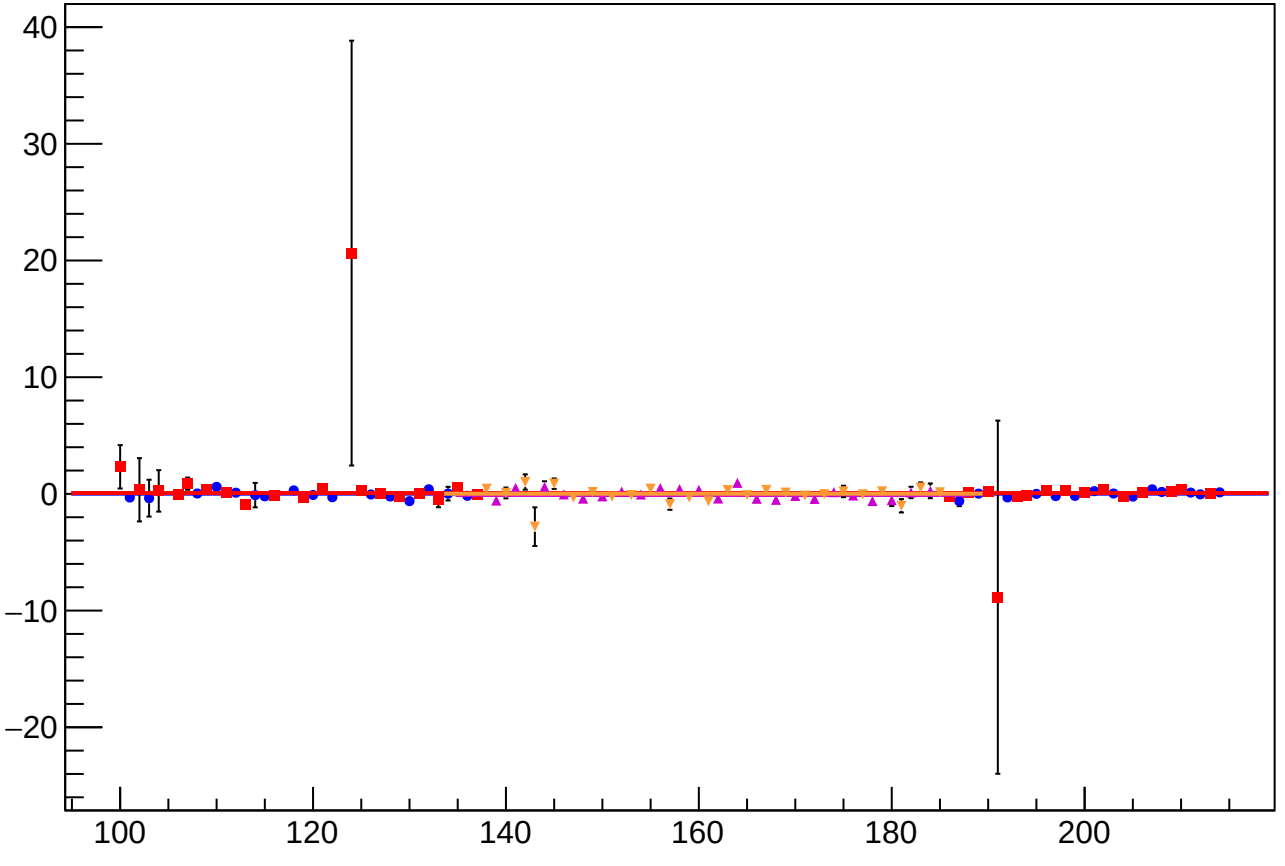
Right: 0.000+/-0.000 χ^2/NDF: 22045324.9/63

In: 0.000+/-0.000 χ^2/NDF:12103931.8/52

Out: 0.000+/-0.000 χ^2/NDF:13144597.8/58

All: 0.000+/-0.000 χ^2/NDF: 25360638.6/111

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

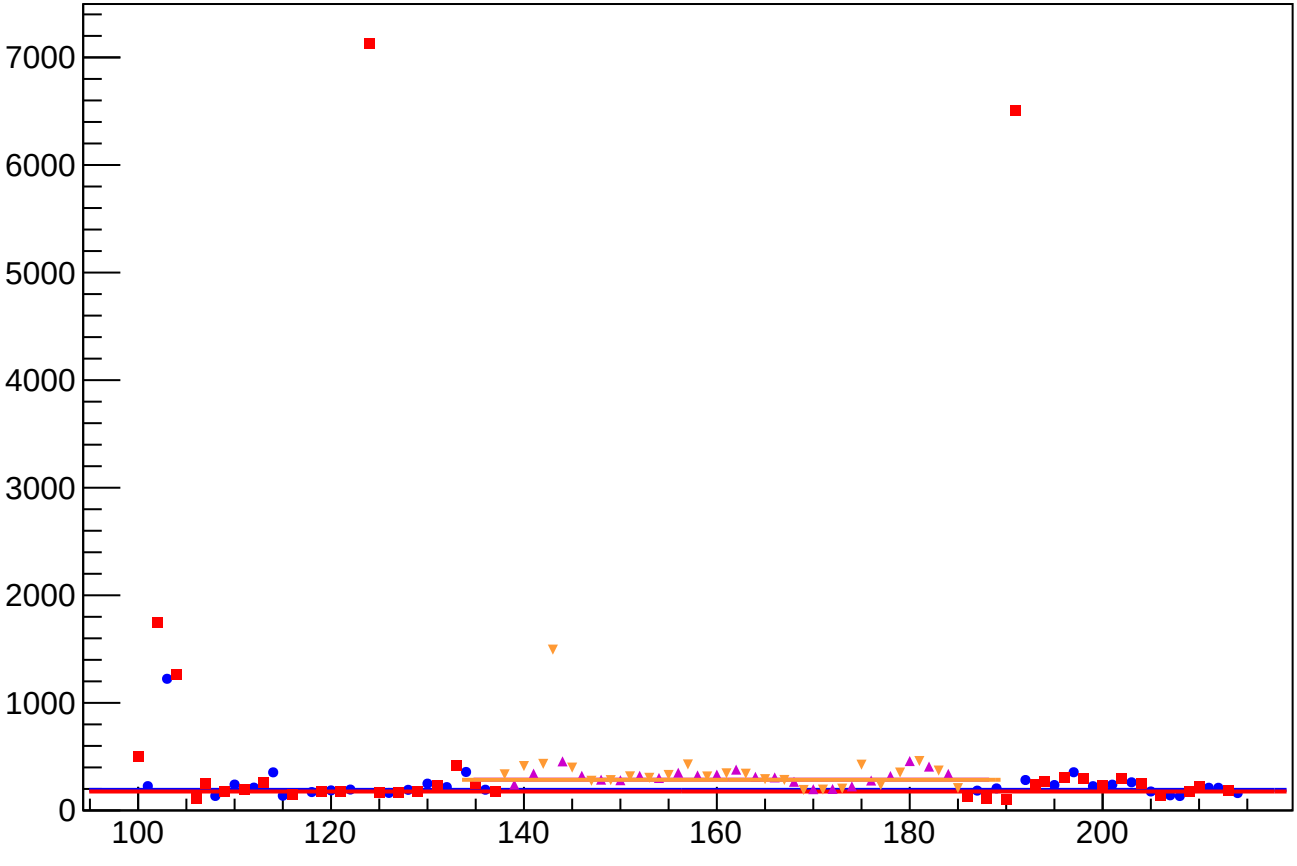
Right: 0.047+/-0.033 χ^2/NDF: 57.9/63

In: -0.015+/-0.040 χ^2/NDF:57.9/52

Out: 0.054+/-0.038 χ^2/NDF:60.7/58

All: 0.021+/-0.028 χ^2/NDF: 120.2/111

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

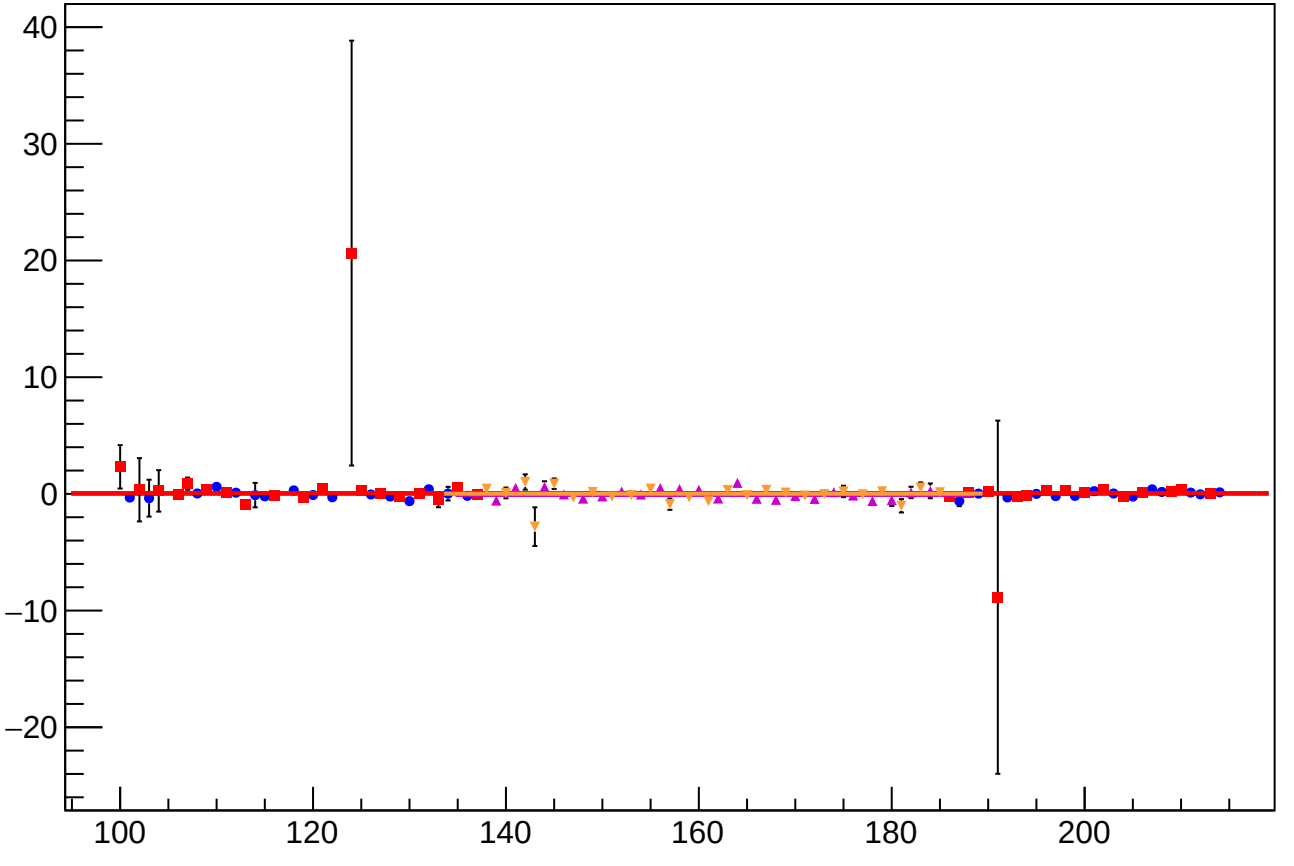
Right: 183.314+/-0.024 χ^2/NDF: 8331155.1/63

In: 221.554+/-0.028 χ^2/NDF:6981981.7/52

Out: 208.917+/-0.027 χ^2/NDF:12250706.2/58

All: 214.999+/-0.020 χ^2/NDF: 19337244.1/11

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

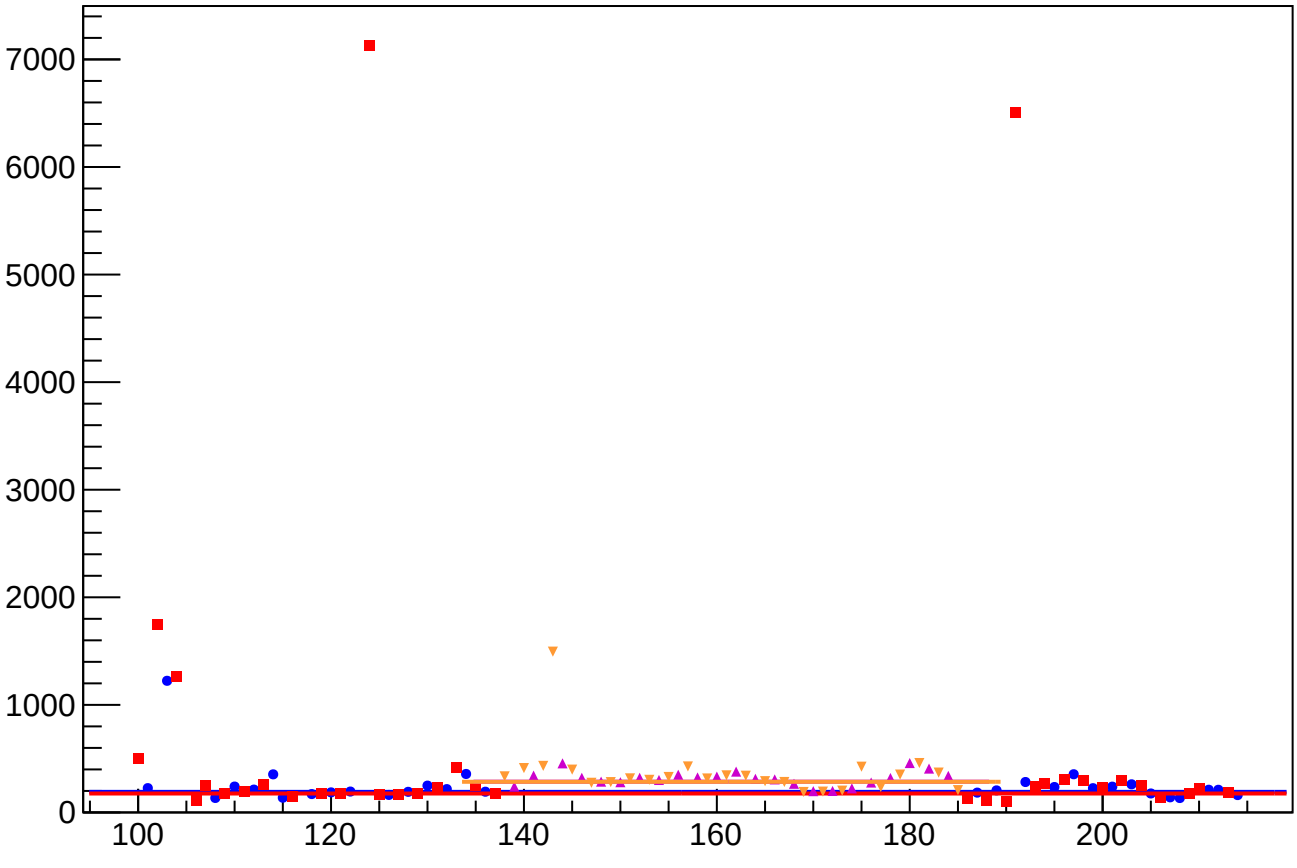
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.047+/-0.033 χ^2/NDF: 57.9/63

In: -0.015+/-0.040 χ^2/NDF:57.9/52

Out: 0.054+/-0.038 χ^2/NDF:60.7/58

All: 0.021+/-0.028 χ^2/NDF: 120.2/111



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

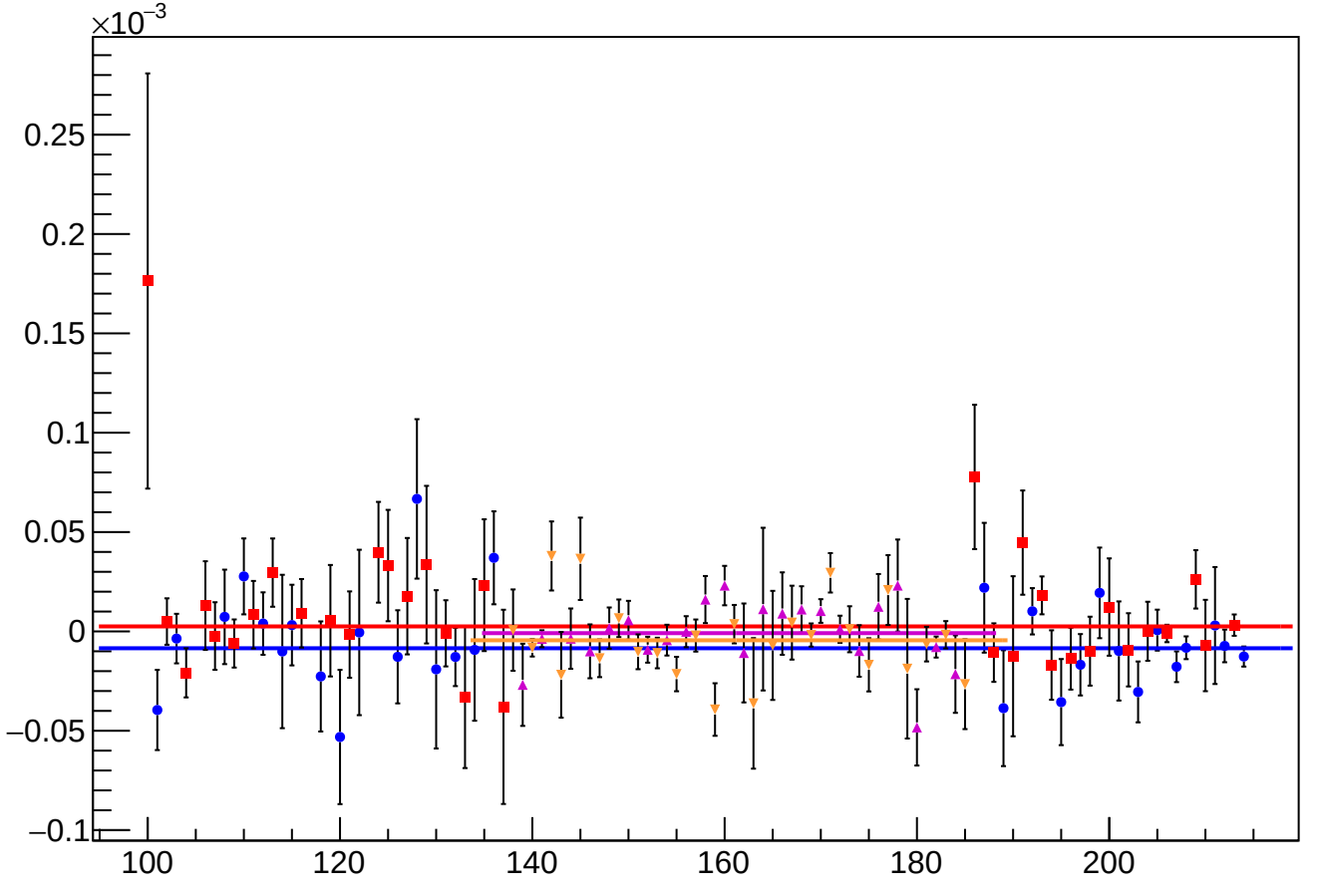
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 183.314+/-0.024 χ^2/NDF: 8331155.1/63

In: 221.554+/-0.028 χ^2/NDF:6981981.7/52

Out: 208.917+/-0.027 χ^2/NDF:12250706.2/58

All: 214.999+/-0.020 χ^2/NDF: 19337244.1/11



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

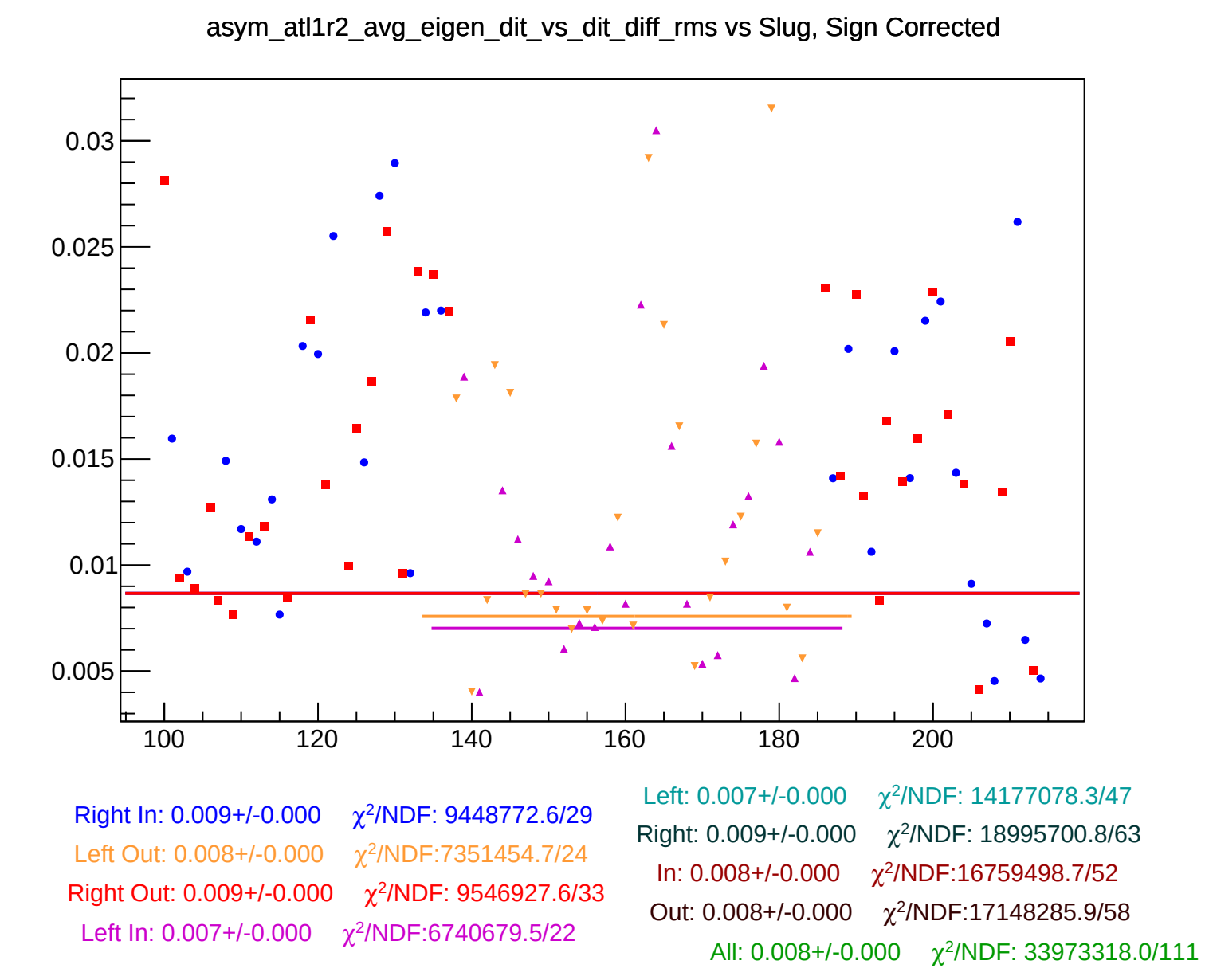
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: -0.000+/-0.000 χ^2/NDF: 74.3/63

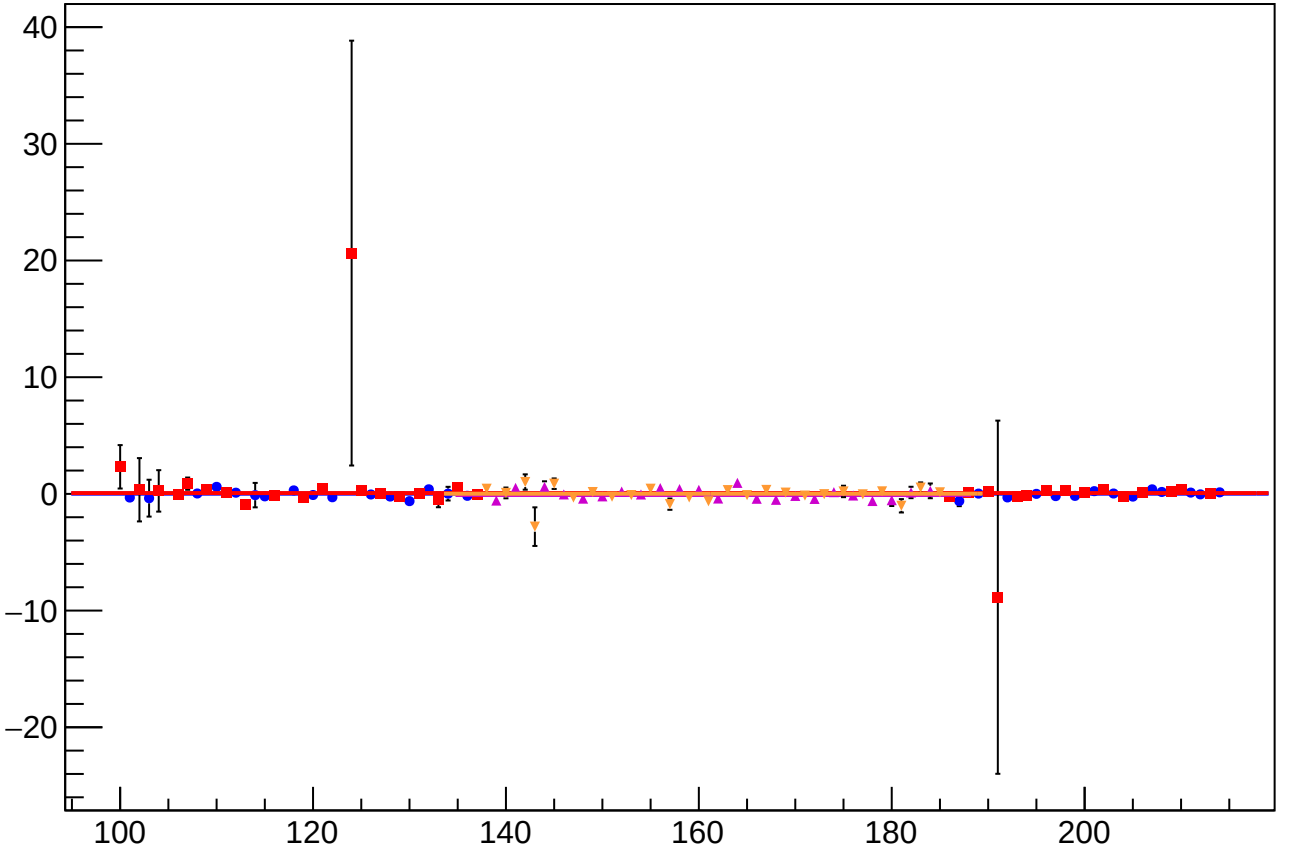
In: -0.000+/-0.000 χ^2/NDF:65.1/52

Out: -0.000+/-0.000 χ^2/NDF:82.8/58

All: -0.000+/-0.000 χ^2/NDF: 148.9/111


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 9448772.6/29
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.009+/-0.000 χ²/NDF: 9546927.6/33
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
Left: 0.007+/-0.000 χ²/NDF: 14177078.3/47
Right: 0.009+/-0.000 χ²/NDF: 18995700.8/63
In: 0.008+/-0.000 χ²/NDF:16759498.7/52
Out: 0.008+/-0.000 χ²/NDF:17148285.9/58
All: 0.008+/-0.000 χ²/NDF: 33973318.0/111

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

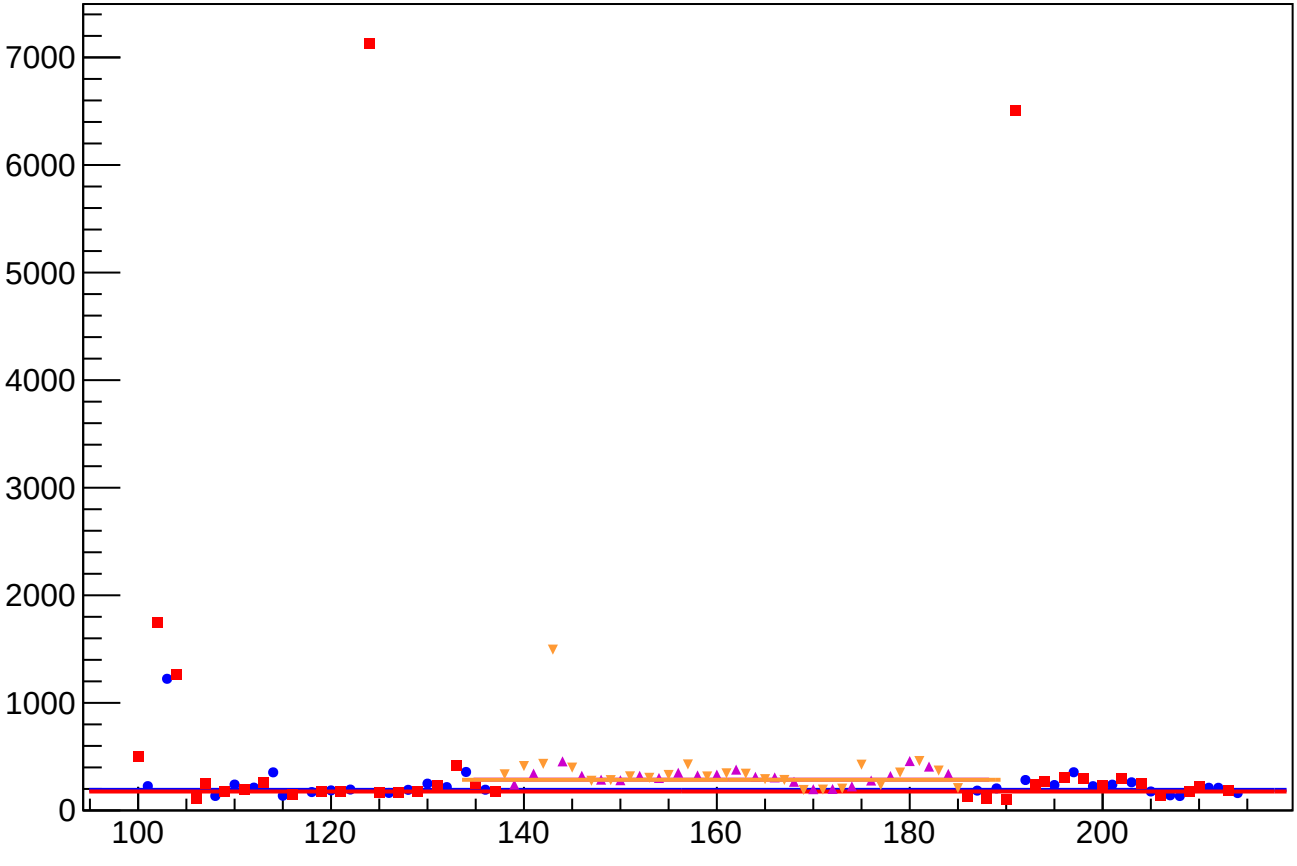
Right: 0.047+/-0.033 χ^2/NDF: 57.9/63

In: -0.015+/-0.040 χ^2/NDF:57.9/52

Out: 0.054+/-0.038 χ^2/NDF:60.7/58

All: 0.021+/-0.028 χ^2/NDF: 120.2/111

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

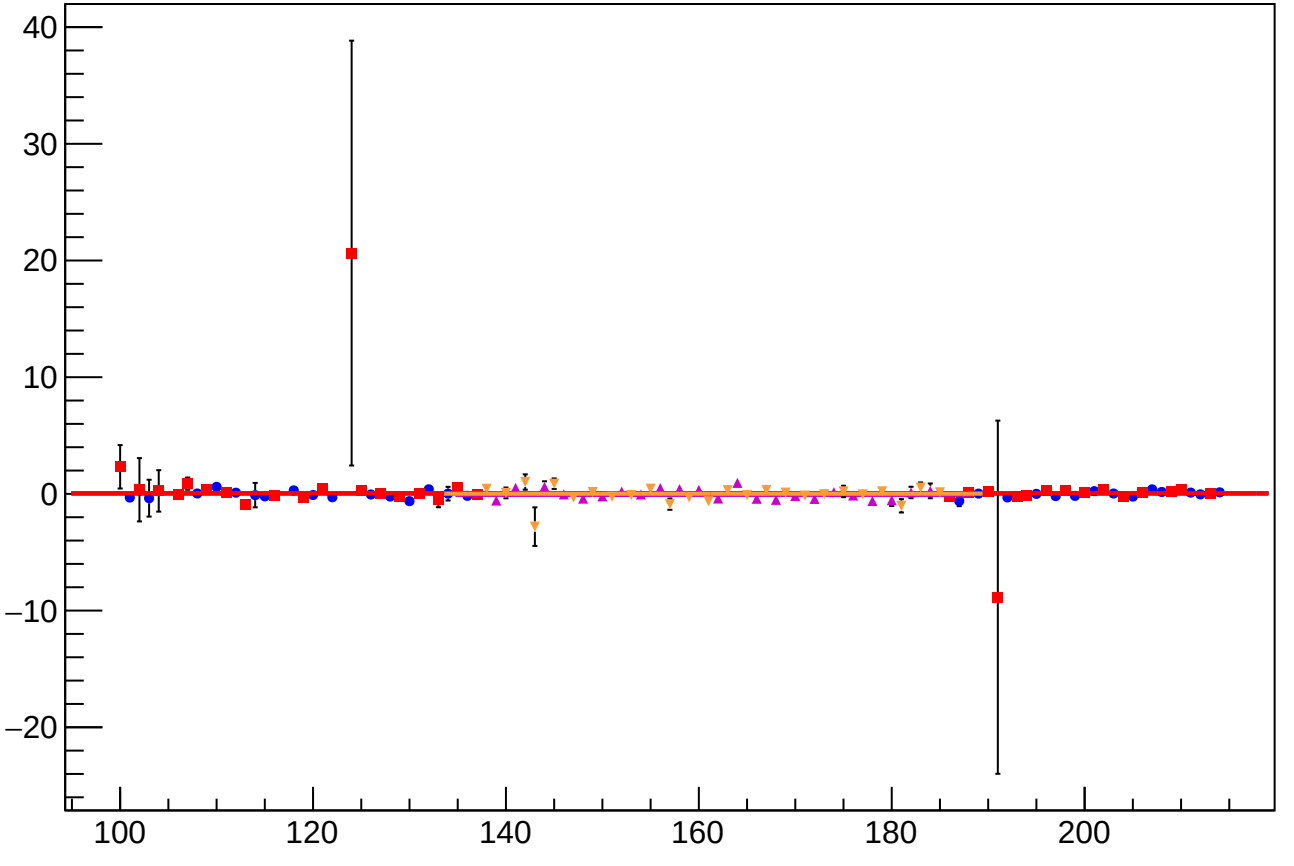
Right: 183.312+/-0.024 χ^2/NDF: 8331344.7/63

In: 221.553+/-0.028 χ^2/NDF:6982221.0/52

Out: 208.915+/-0.027 χ^2/NDF:12251181.8/58

All: 214.998+/-0.020 χ^2/NDF: 19337978.7/11

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

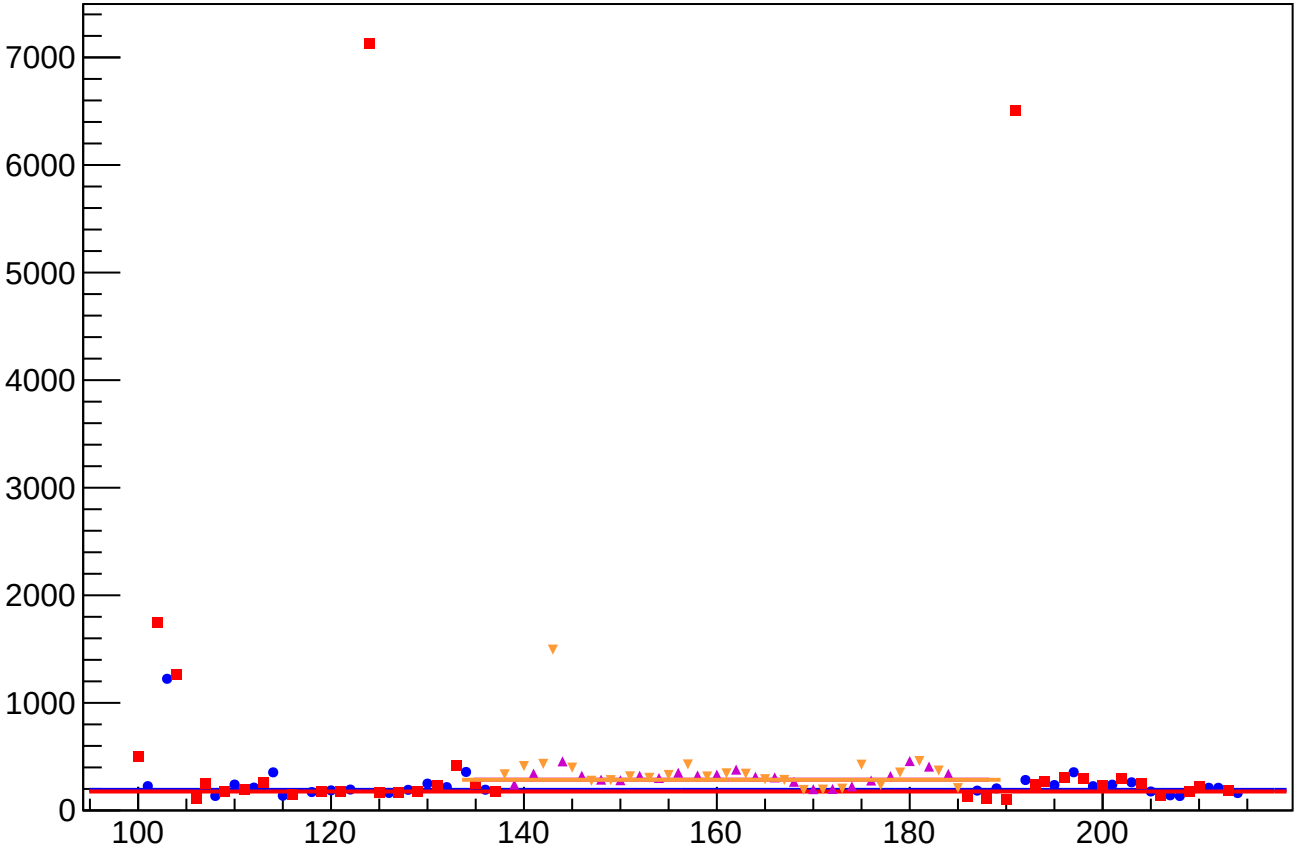
Right: 0.047+/-0.033 χ^2/NDF: 57.9/63

In: -0.015+/-0.040 χ^2/NDF:57.9/52

Out: 0.054+/-0.038 χ^2/NDF:60.7/58

All: 0.021+/-0.028 χ^2/NDF: 120.2/111

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

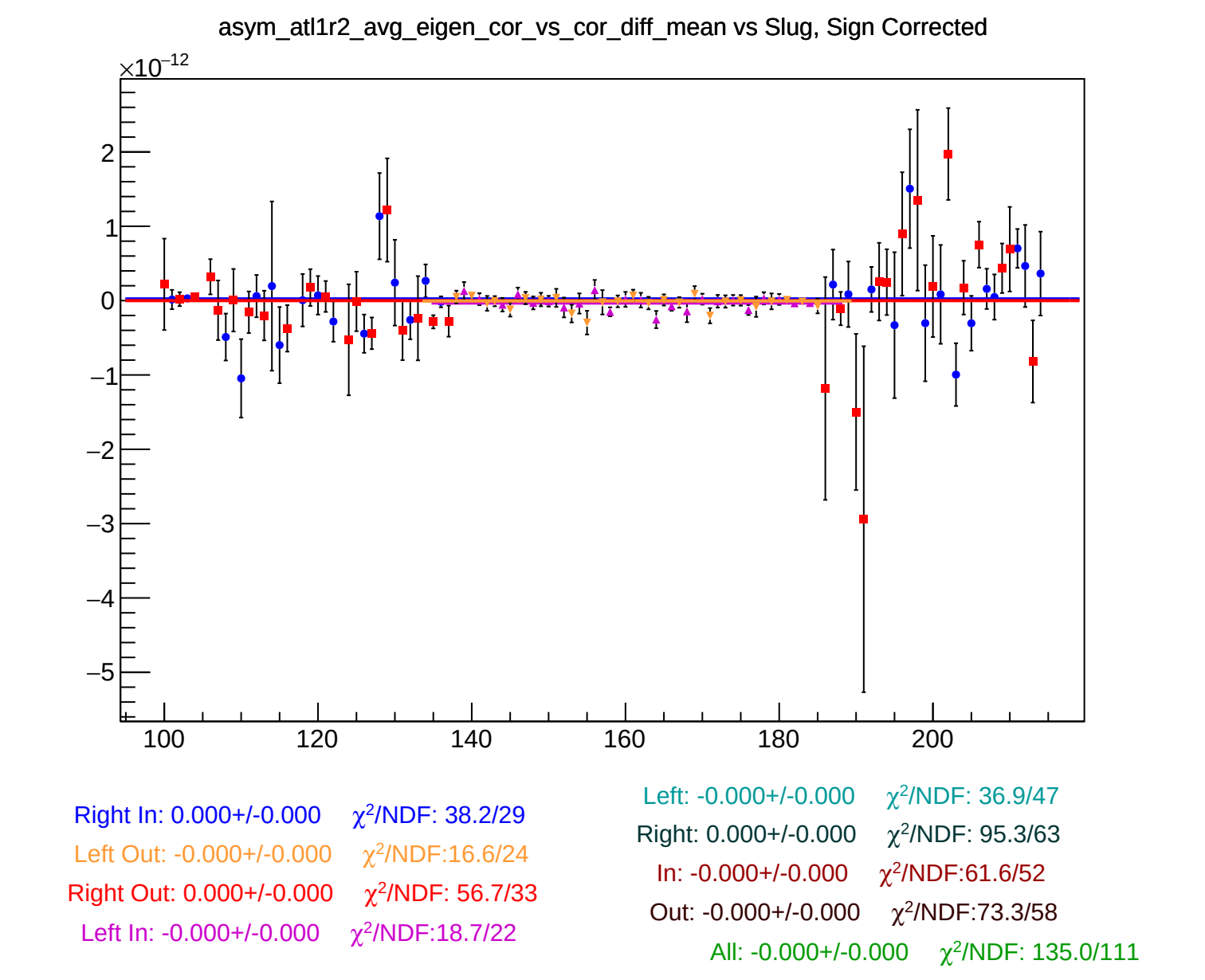
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

Right: 183.312+/-0.024 χ^2/NDF: 8331344.7/63

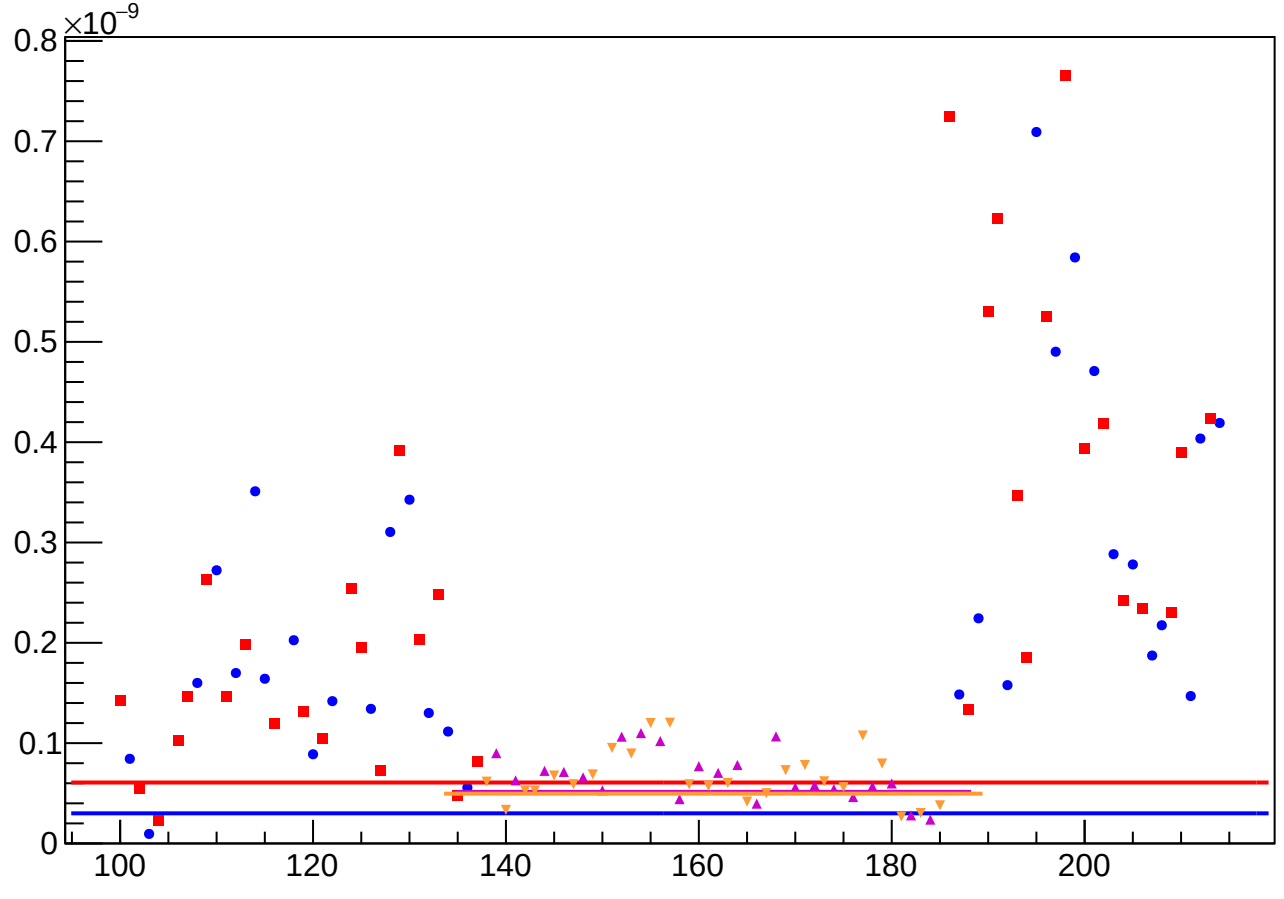
In: 221.553+/-0.028 χ^2/NDF:6982221.0/52

Out: 208.915+/-0.027 χ^2/NDF:12251181.8/58

All: 214.998+/-0.020 χ^2/NDF: 19337978.7/11


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 38.2/29
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 56.7/33
Left In: -0.000+/-0.000 χ²/NDF:18.7/22
Left: -0.000+/-0.000 χ²/NDF: 36.9/47
Right: 0.000+/-0.000 χ²/NDF: 95.3/63
In: -0.000+/-0.000 χ²/NDF:61.6/52
Out: -0.000+/-0.000 χ²/NDF:73.3/58
All: -0.000+/-0.000 χ²/NDF: 135.0/111

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

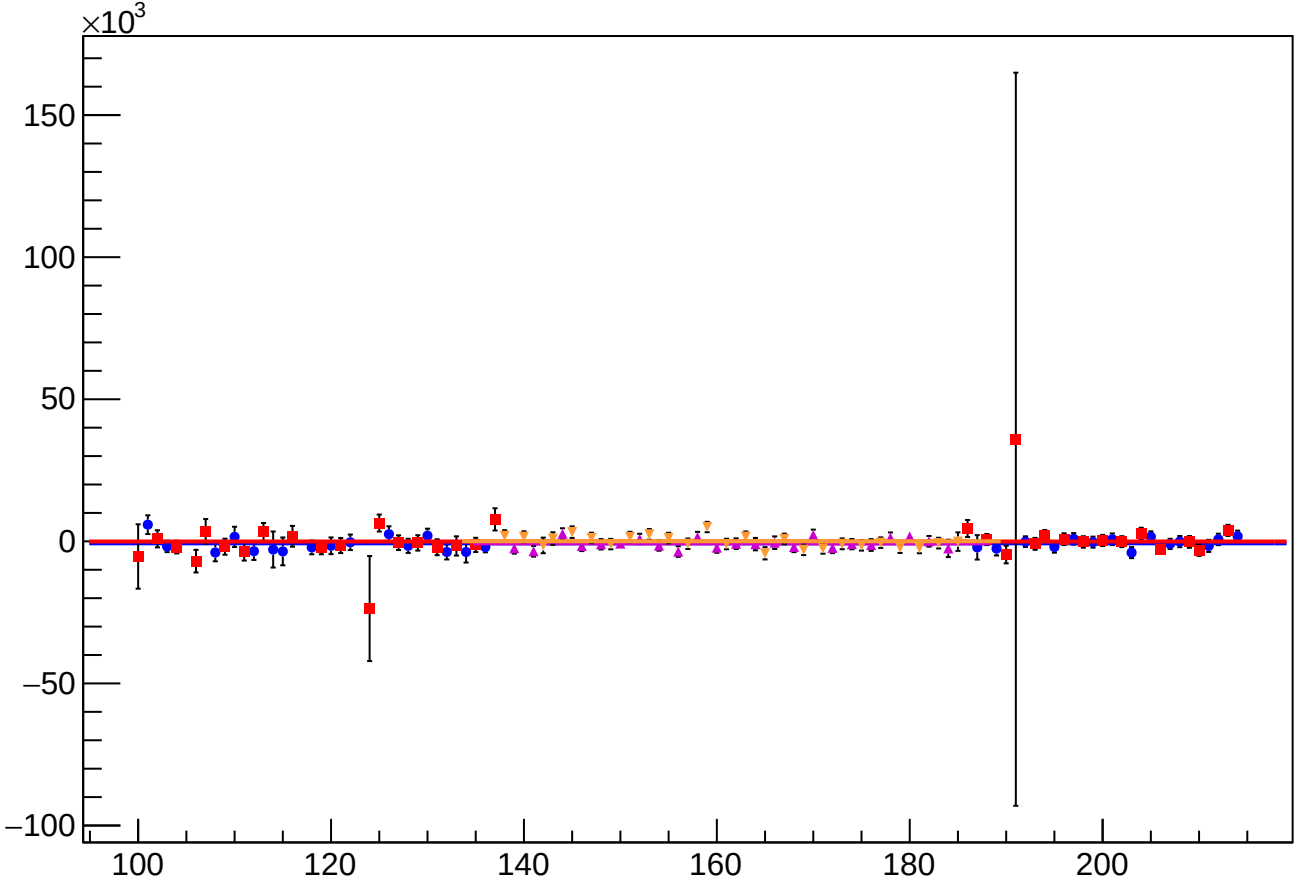
Right: 0.000+/-0.000 χ^2/NDF: 29948566.3/63

In: 0.000+/-0.000 χ^2/NDF:21463466.9/52

Out: 0.000+/-0.000 χ^2/NDF:16208329.2/58

All: 0.000+/-0.000 χ^2/NDF: 38100835.6/111

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

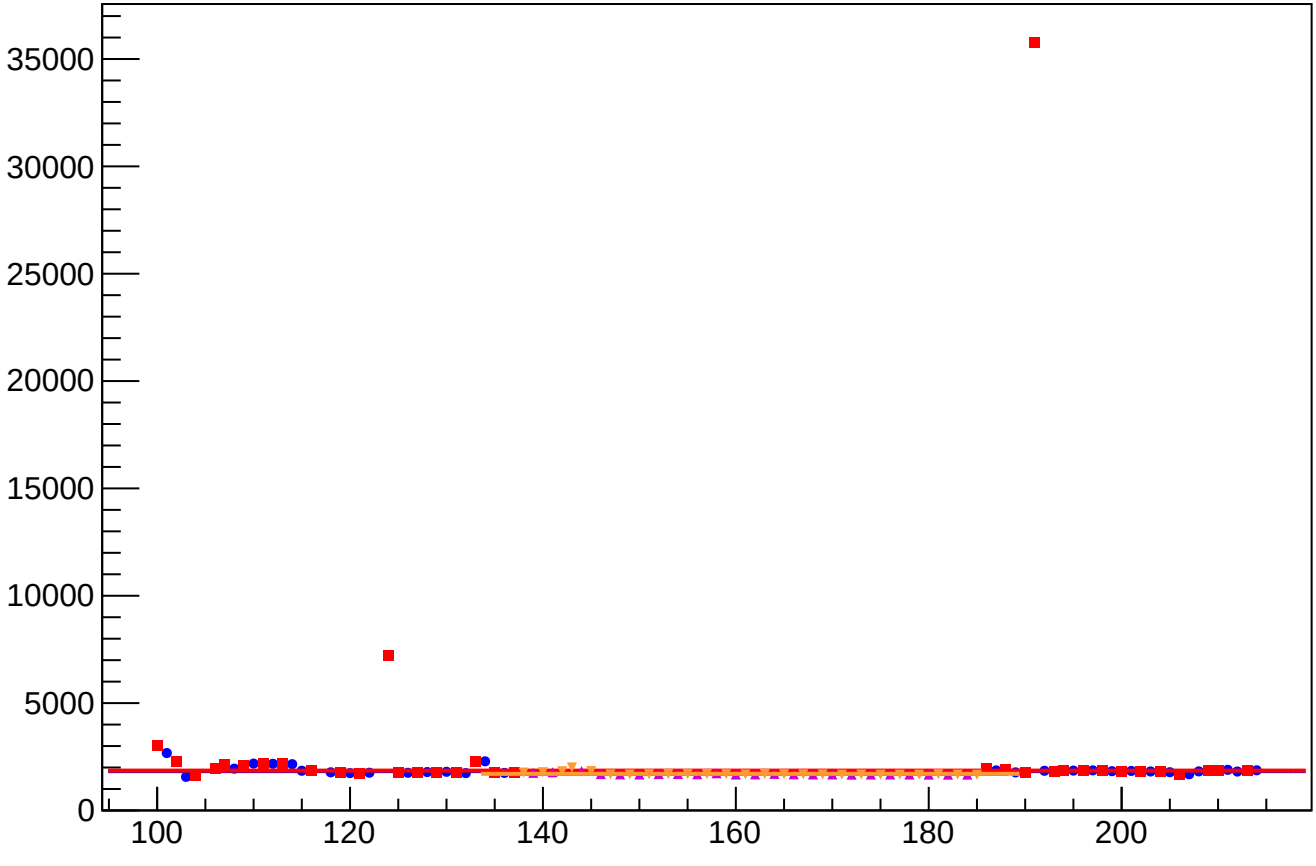
Right: -375.876+/-304.649 χ^2/NDF: 60.5/63

In: -709.059+/-291.338 χ^2/NDF:40.7/52

Out: -10.000+/-288.589 χ^2/NDF:67.3/58

All: -356.217+/-205.028 χ^2/NDF: 110.9/111

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

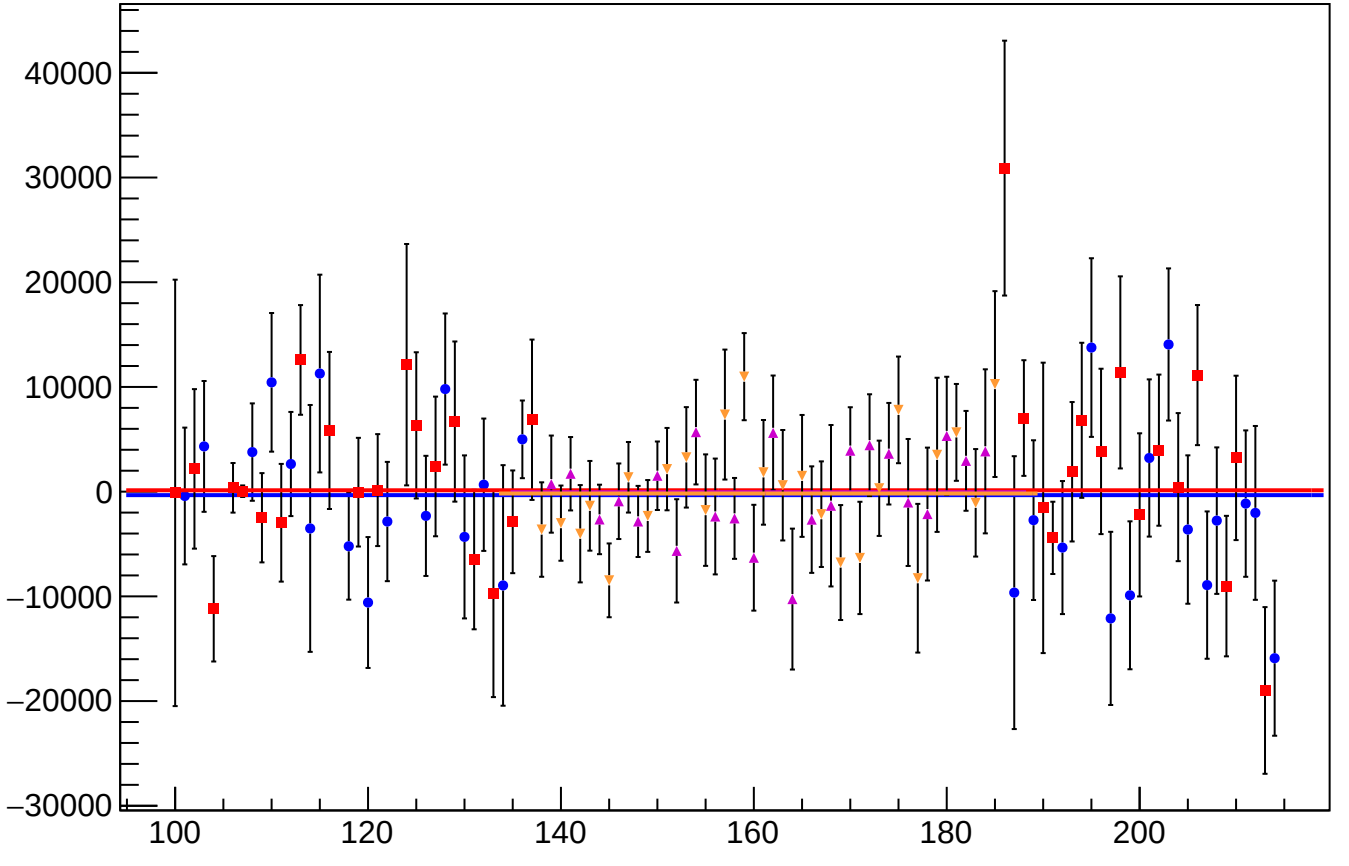
Right: 1844.409+/-0.215 χ^2/NDF: 820412.9/63

In: 1759.715+/-0.206 χ^2/NDF:409723.5/52

Out: 1772.851+/-0.204 χ^2/NDF:730466.0/58

All: 1766.348+/-0.145 χ^2/NDF: 1142242.7/11

asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected



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

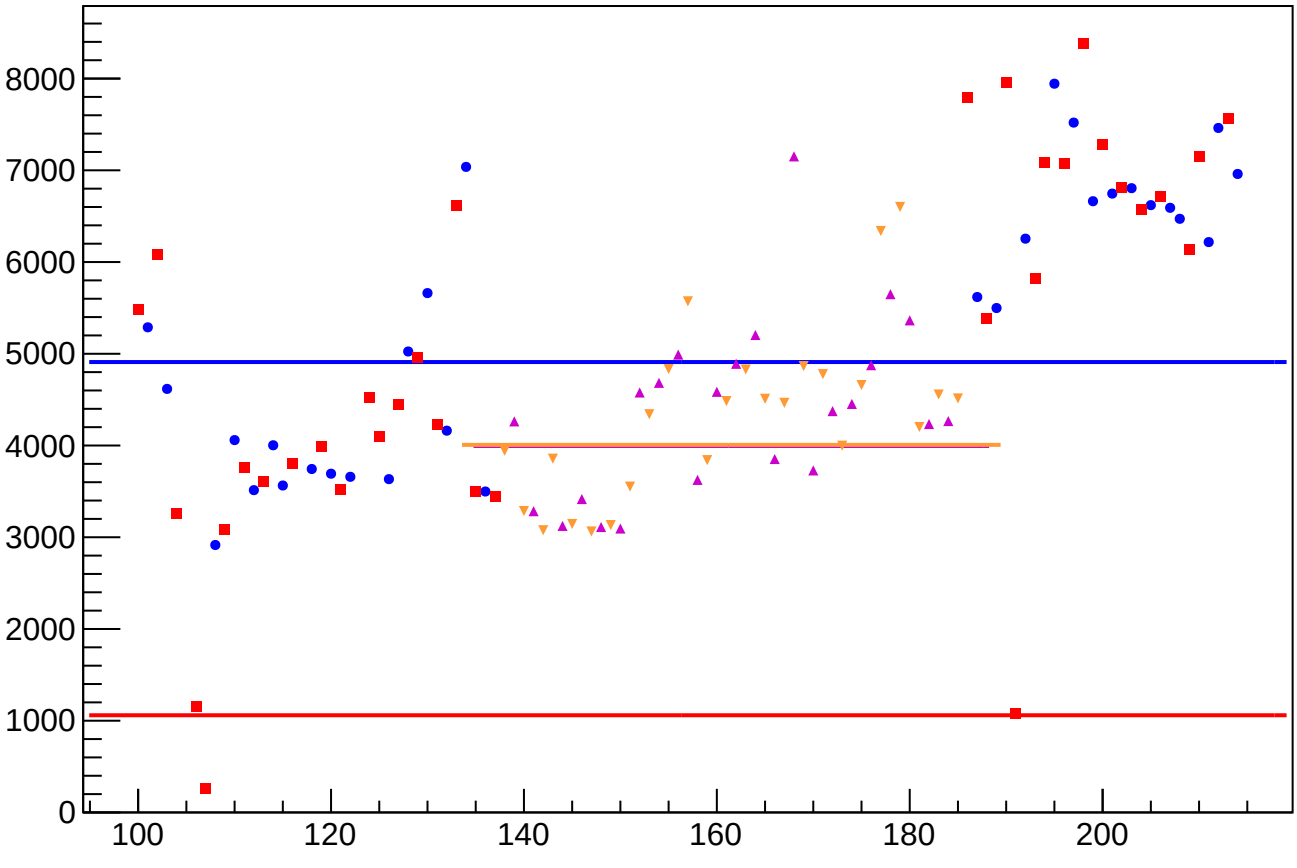
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 66.655+/-450.378 χ^2/NDF: 74.3/63

In: -163.320+/-748.865 χ^2/NDF:47.3/52

Out: 66.334+/-430.985 χ^2/NDF:69.1/58

All: 9.194+/-373.540 χ^2/NDF: 116.5/111



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

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

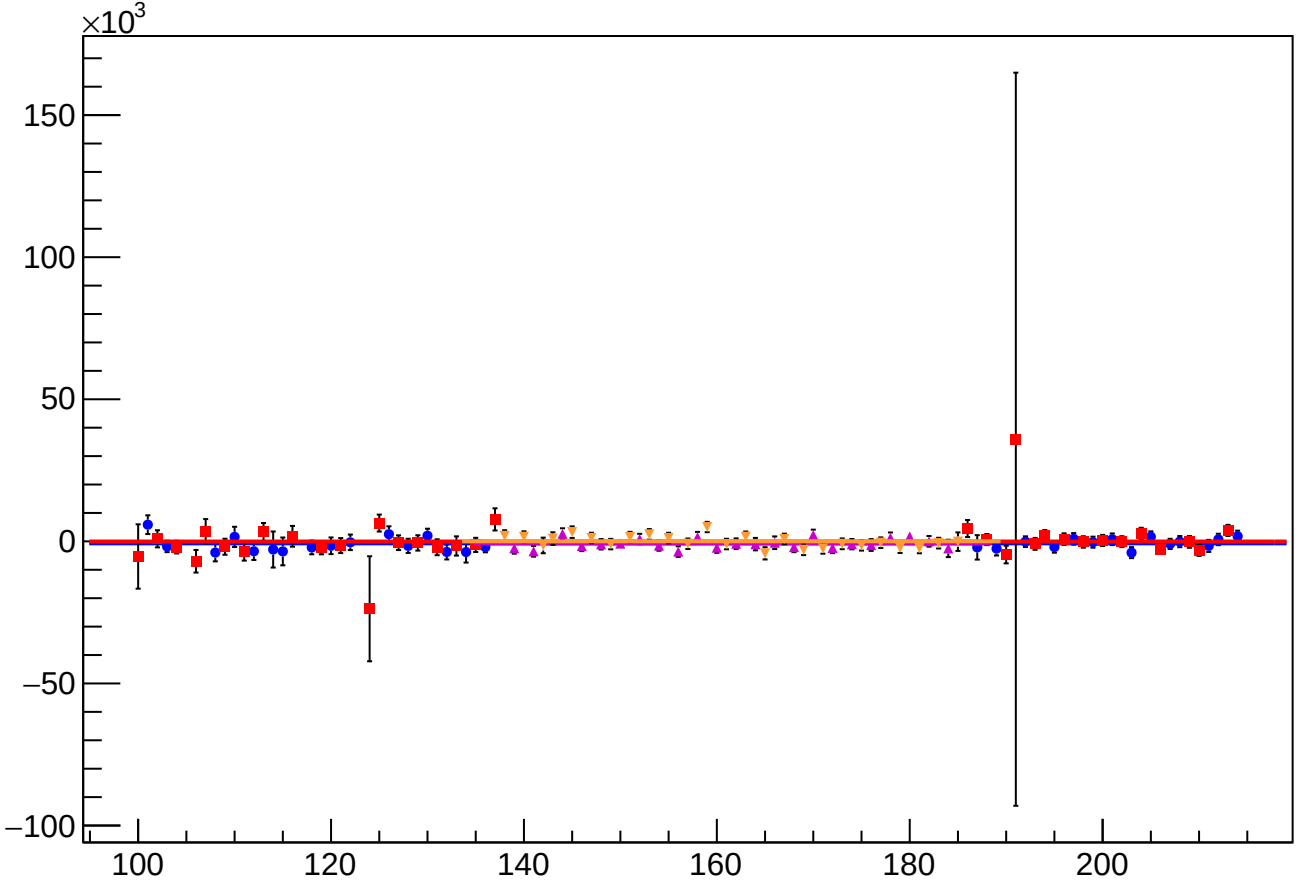
Right: 1598.422+/-0.318 χ^2/NDF: 48274320.9/63

In: 4348.963+/-0.530 χ^2/NDF:5330712.3/52

Out: 1685.666+/-0.305 χ^2/NDF:44748532.4/58

All: 2348.320+/-0.264 χ^2/NDF: 69081790.5/1

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

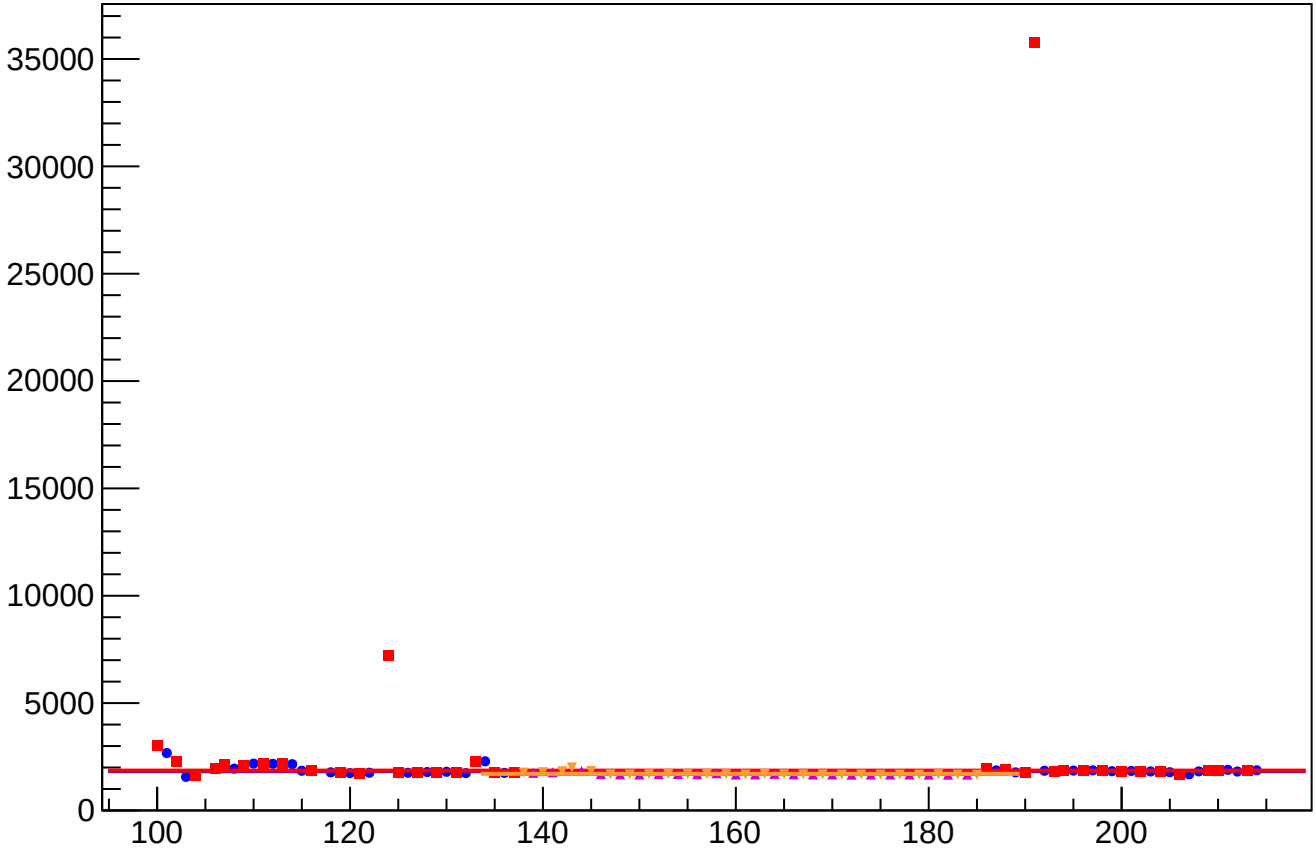
Right: -375.876+/-304.649 χ^2/NDF: 60.6/63

In: -708.921+/-291.338 χ^2/NDF:40.7/52

Out: -10.030+/-288.590 χ^2/NDF:67.3/58

All: -356.164+/-205.028 χ^2/NDF: 110.9/111

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

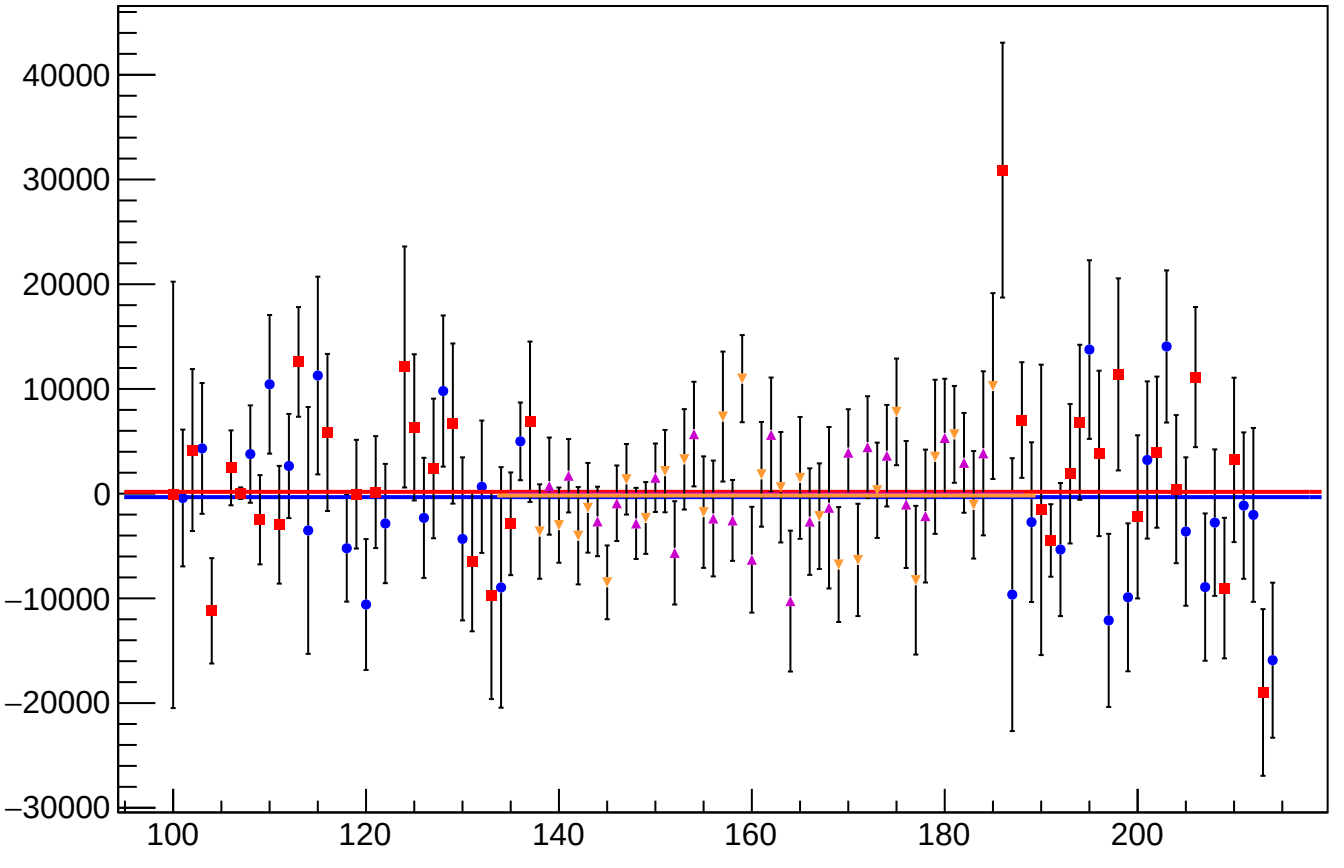
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1844.491+/-0.215 χ^2/NDF: 820795.3/63

In: 1759.715+/-0.206 χ^2/NDF:409723.0/52

Out: 1772.919+/-0.204 χ^2/NDF:731092.5/58

All: 1766.382+/-0.145 χ^2/NDF: 1142889.8/11



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

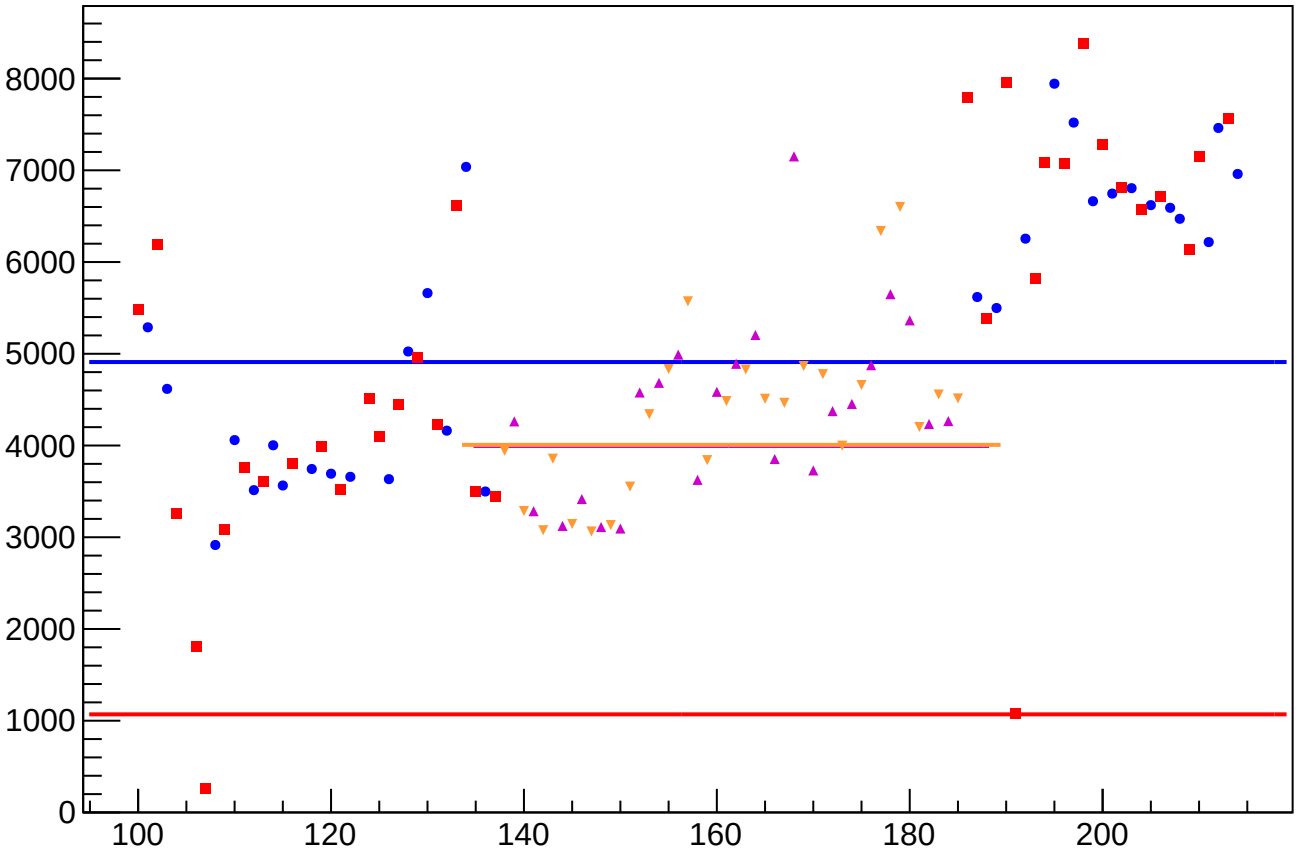
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 100.132+/-455.043 χ^2/NDF: 74.9/63

In: -163.306+/-748.866 χ^2/NDF:47.3/52

Out: 96.945+/-435.068 χ^2/NDF:69.8/58

All: 31.271+/-376.189 χ^2/NDF: 117.2/111



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

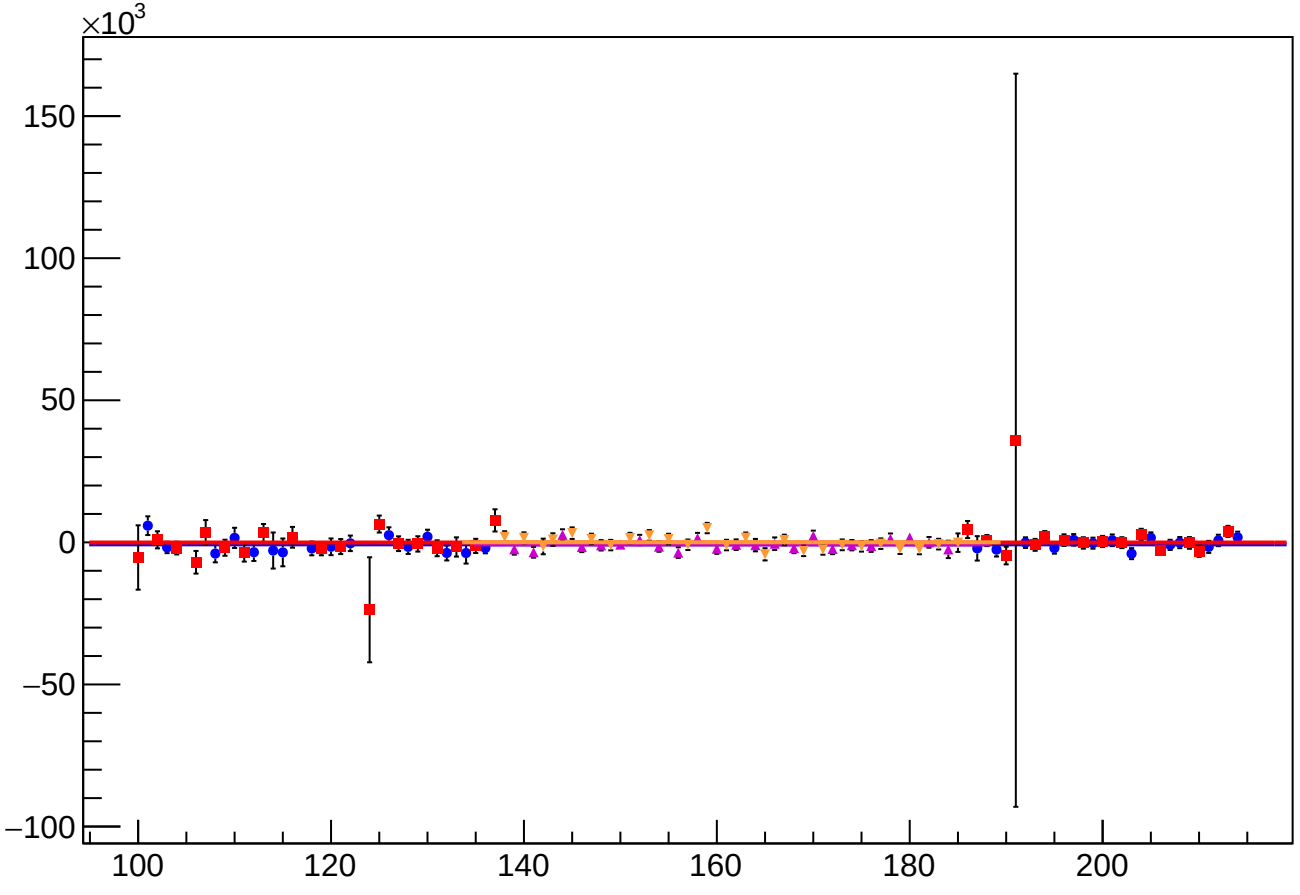
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1618.047+/-0.322 χ^2/NDF: 48221406.1/63

In: 4348.965+/-0.530 χ^2/NDF:5330712.8/52

Out: 1705.267+/-0.308 χ^2/NDF:44660622.9/58

All: 2372.404+/-0.266 χ^2/NDF: 68626970.5/1



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

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

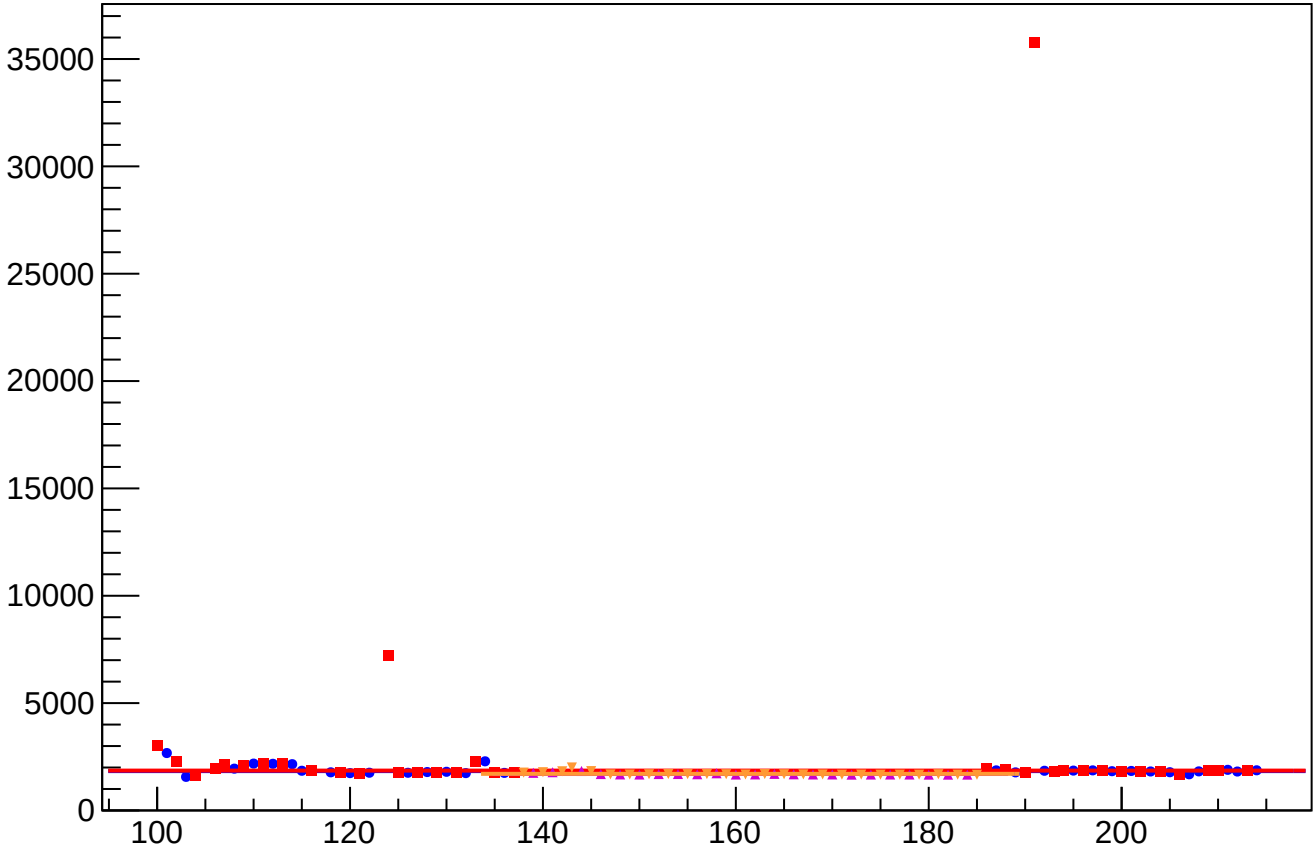
Right: -375.876+/-304.649 χ^2/NDF: 60.6/63

In: -708.921+/-291.338 χ^2/NDF:40.7/52

Out: -10.030+/-288.590 χ^2/NDF:67.3/58

All: -356.164+/-205.028 χ^2/NDF: 110.9/111

eigen_cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

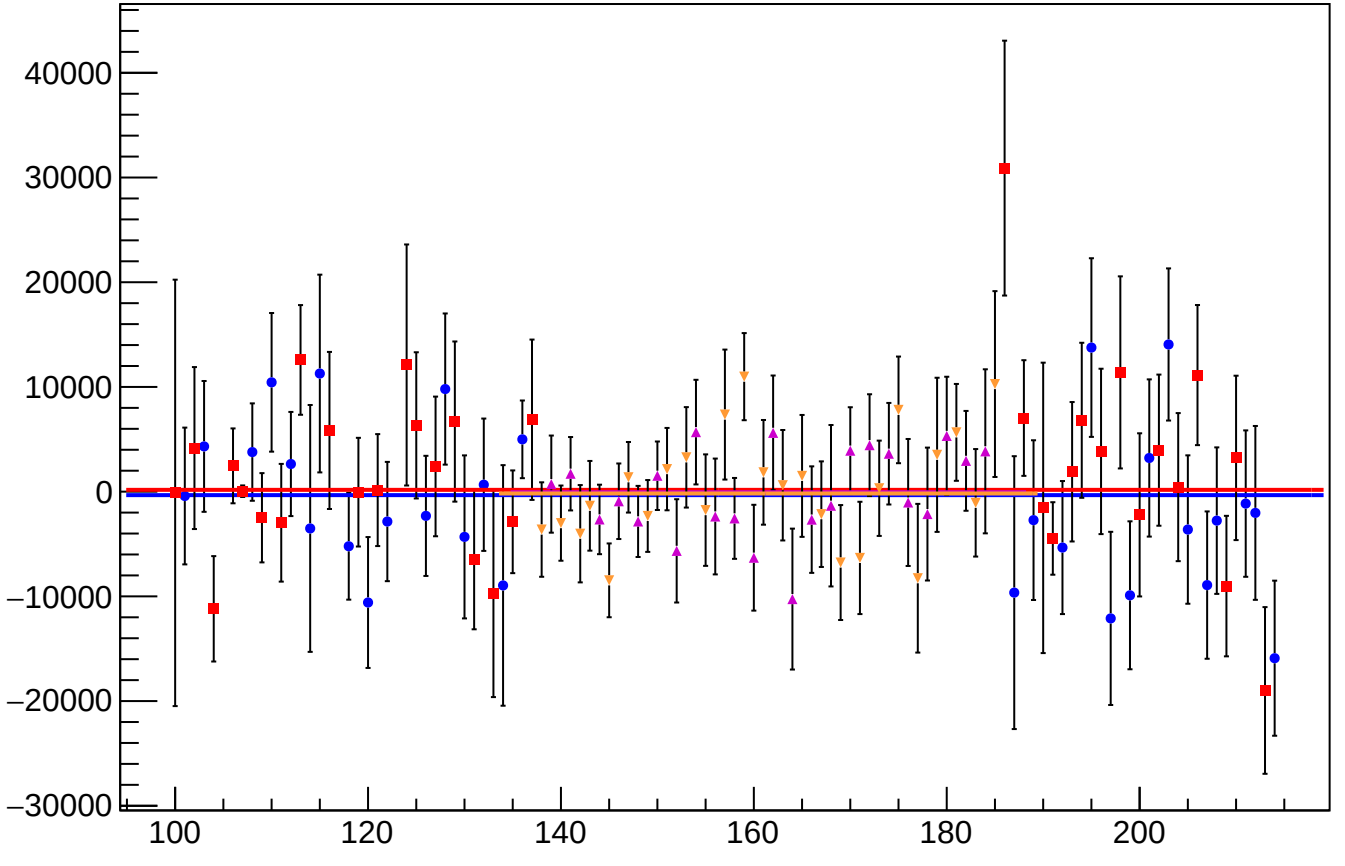
Right: 1844.491+/-0.215 χ^2/NDF: 820795.3/63

In: 1759.715+/-0.206 χ^2/NDF:409723.0/52

Out: 1772.919+/-0.204 χ^2/NDF:731092.5/58

All: 1766.382+/-0.145 χ^2/NDF: 1142889.8/11

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

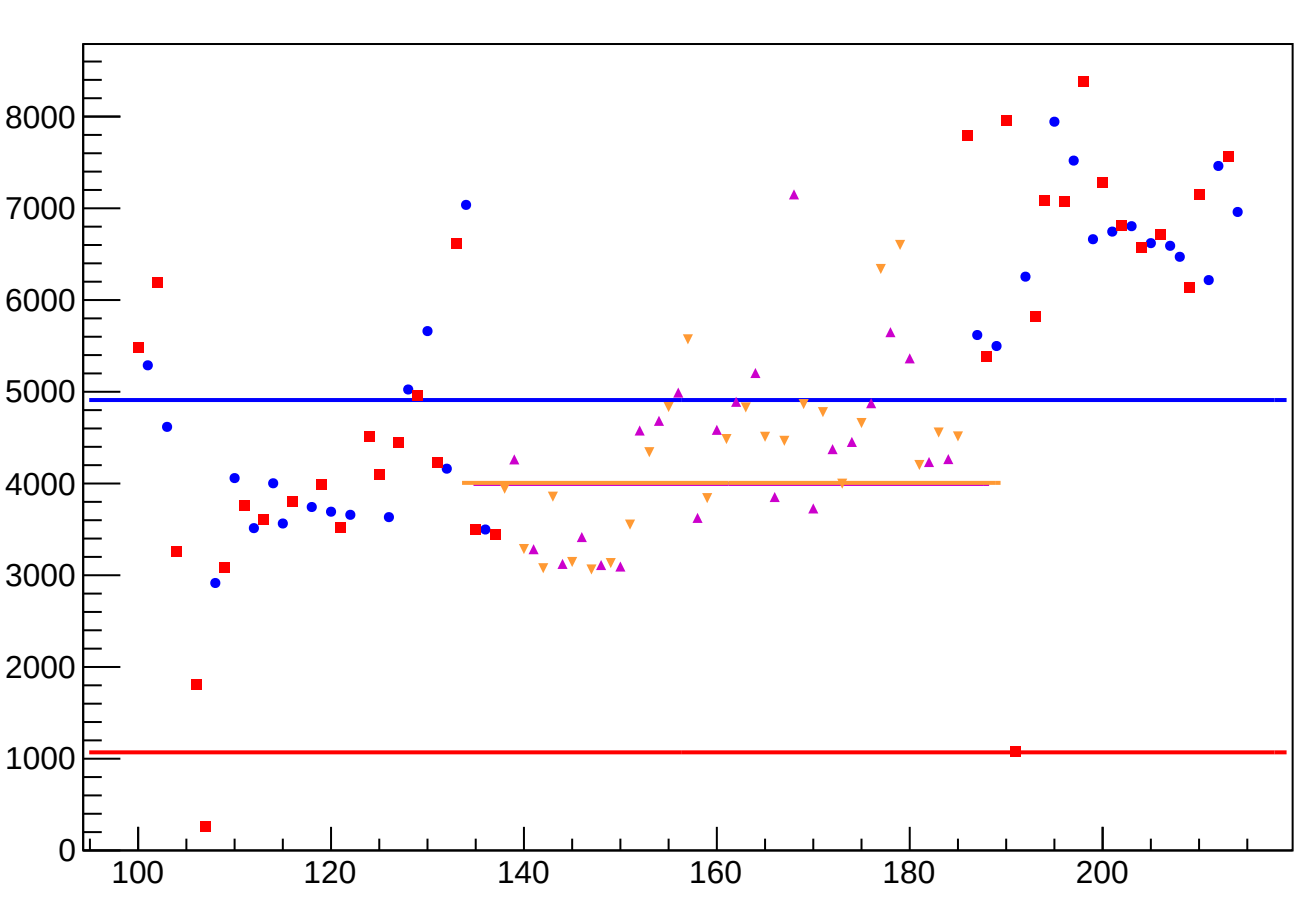
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 100.132+/-455.043 χ^2/NDF: 74.9/63

In: -163.306+/-748.866 χ^2/NDF:47.3/52

Out: 96.945+/-435.068 χ^2/NDF:69.8/58

All: 31.271+/-376.189 χ^2/NDF: 117.2/111



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

Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

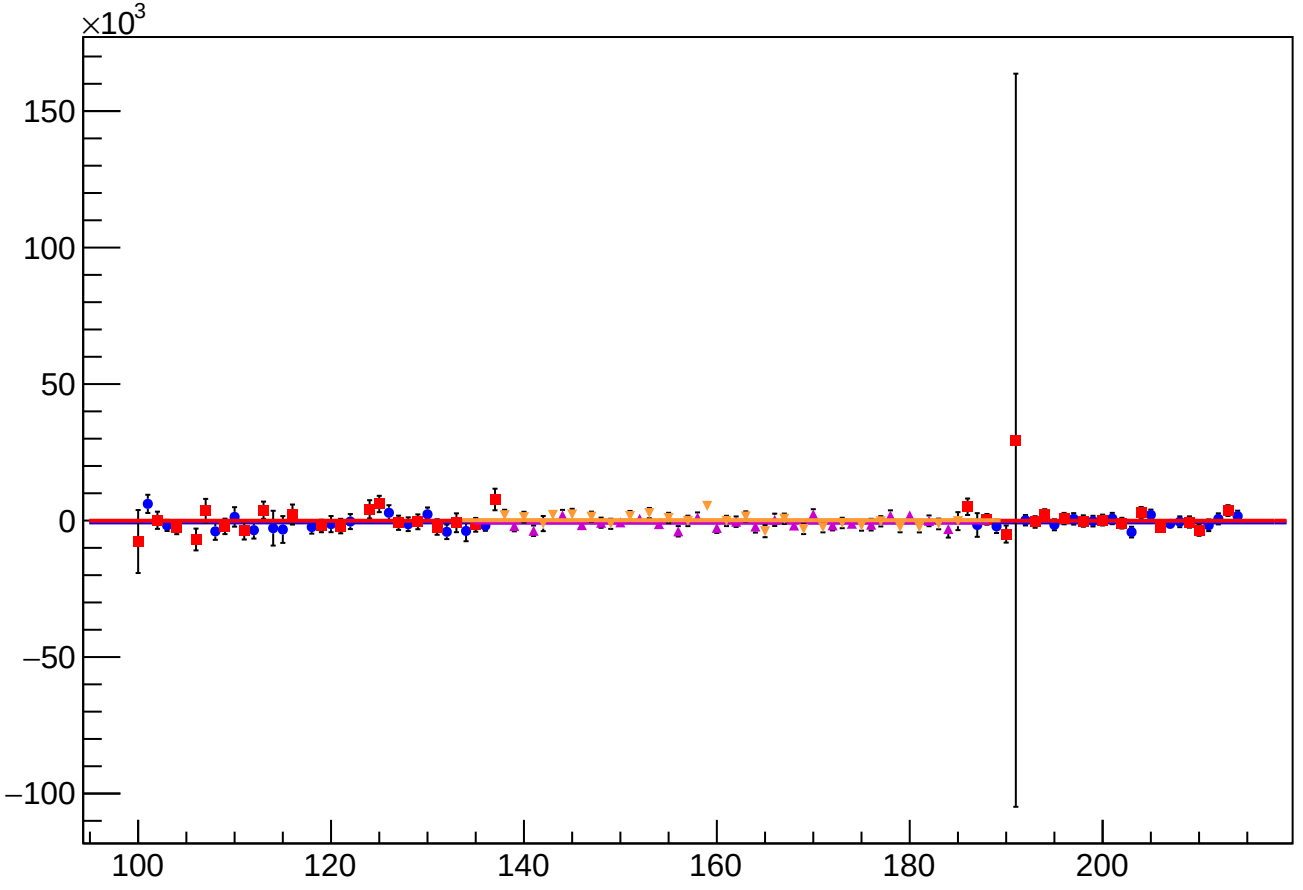
Right: 1618.047+/-0.322 χ^2/NDF: 48221406.1/63

In: 4348.965+/-0.530 χ^2/NDF:5330712.8/52

Out: 1705.267+/-0.308 χ^2/NDF:44660622.9/58

All: 2372.404+/-0.266 χ^2/NDF: 68626970.5/1

dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

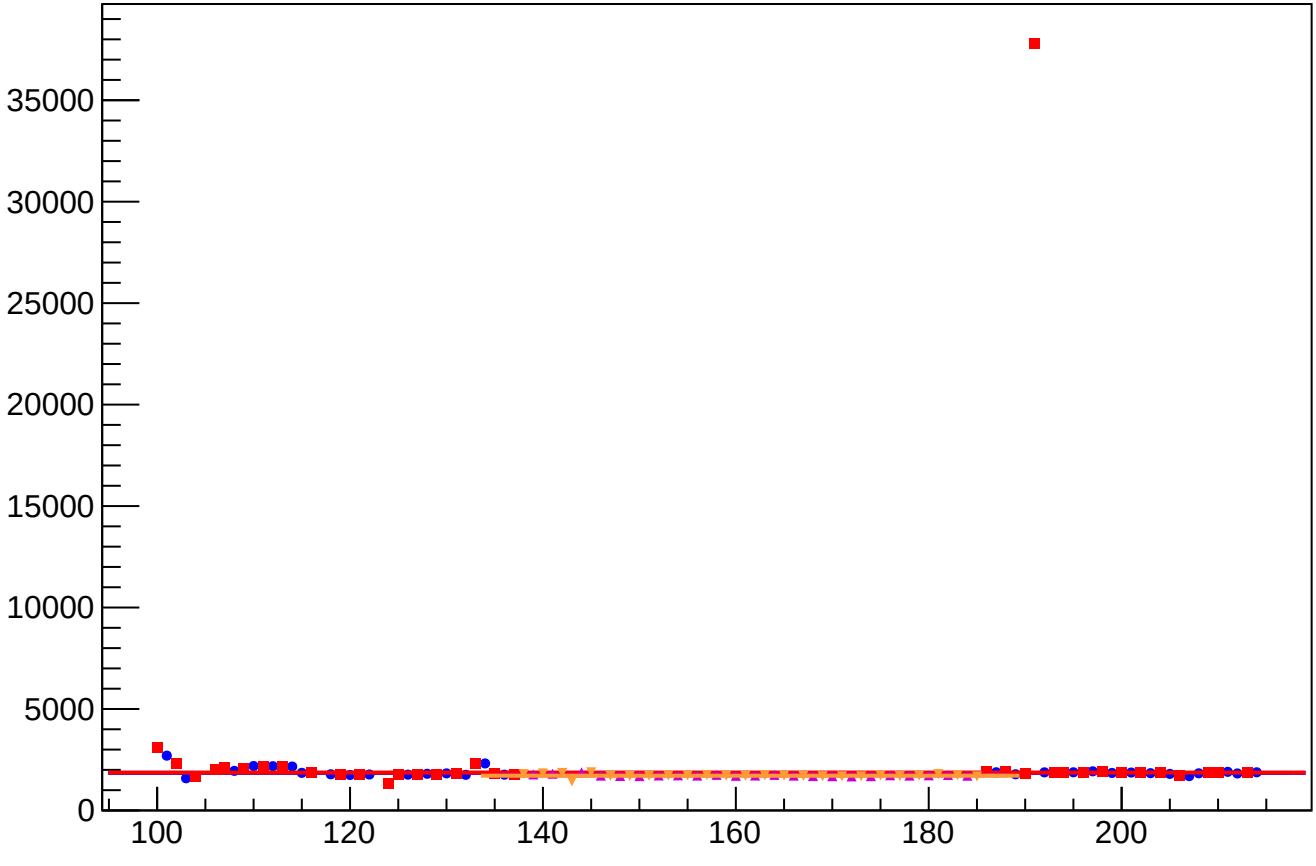
Right: -369.872+/-306.793 χ^2/NDF: 62.9/63

In: -711.098+/-295.731 χ^2/NDF:41.6/52

Out: 38.172+/-289.822 χ^2/NDF:69.1/58

All: -328.902+/-206.993 χ^2/NDF: 114.0/111

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

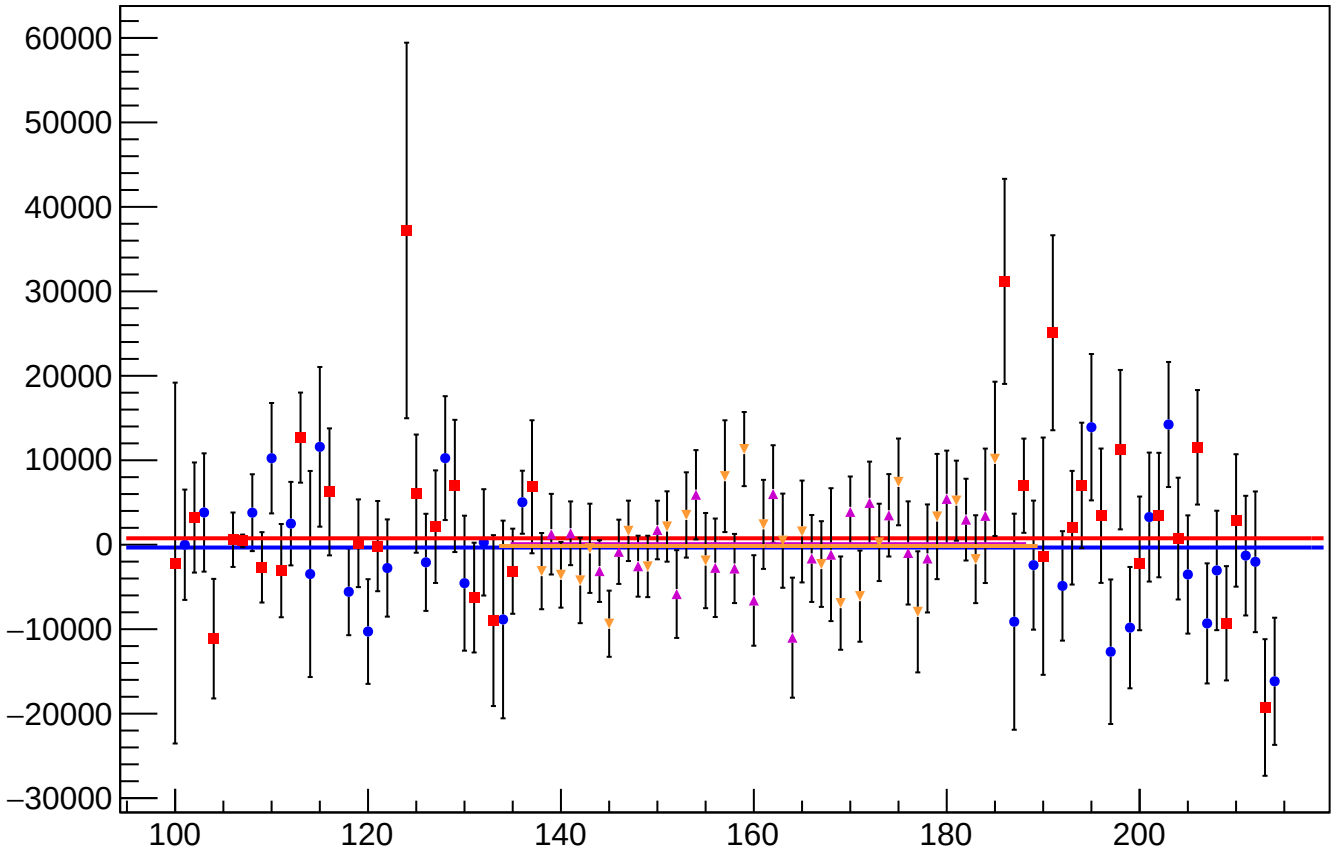
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1858.157+/-0.217 χ^2/NDF: 712801.7/63

In: 1786.361+/-0.209 χ^2/NDF:386879.9/52

Out: 1780.640+/-0.205 χ^2/NDF:662911.7/58

All: 1783.442+/-0.146 χ^2/NDF: 1050173.4/11



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

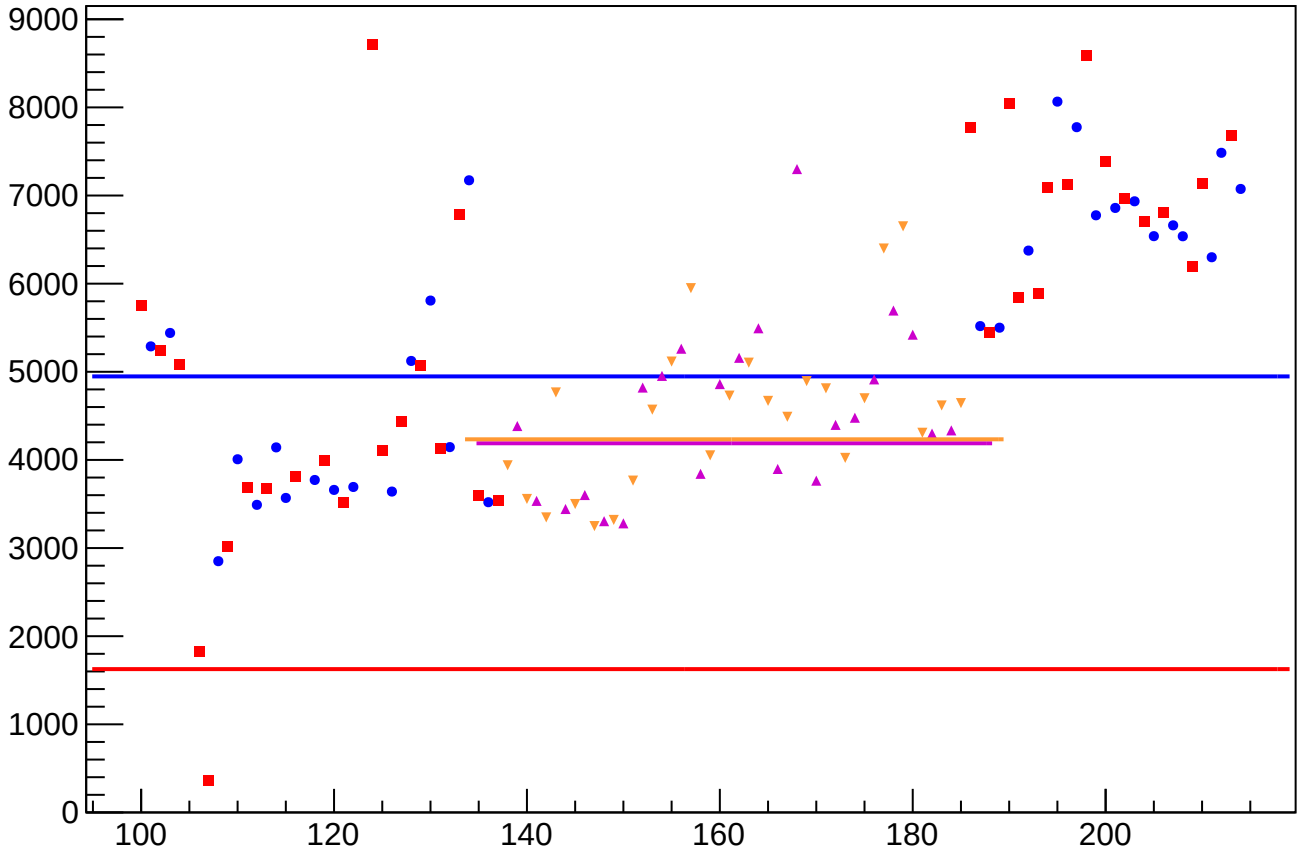
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 533.826+/-556.251 χ^2/NDF: 75.8/63

In: -95.180+/-771.959 χ^2/NDF:46.8/52

Out: 500.892+/-528.197 χ^2/NDF:69.9/58

All: 310.817+/-435.921 χ^2/NDF: 117.1/111



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

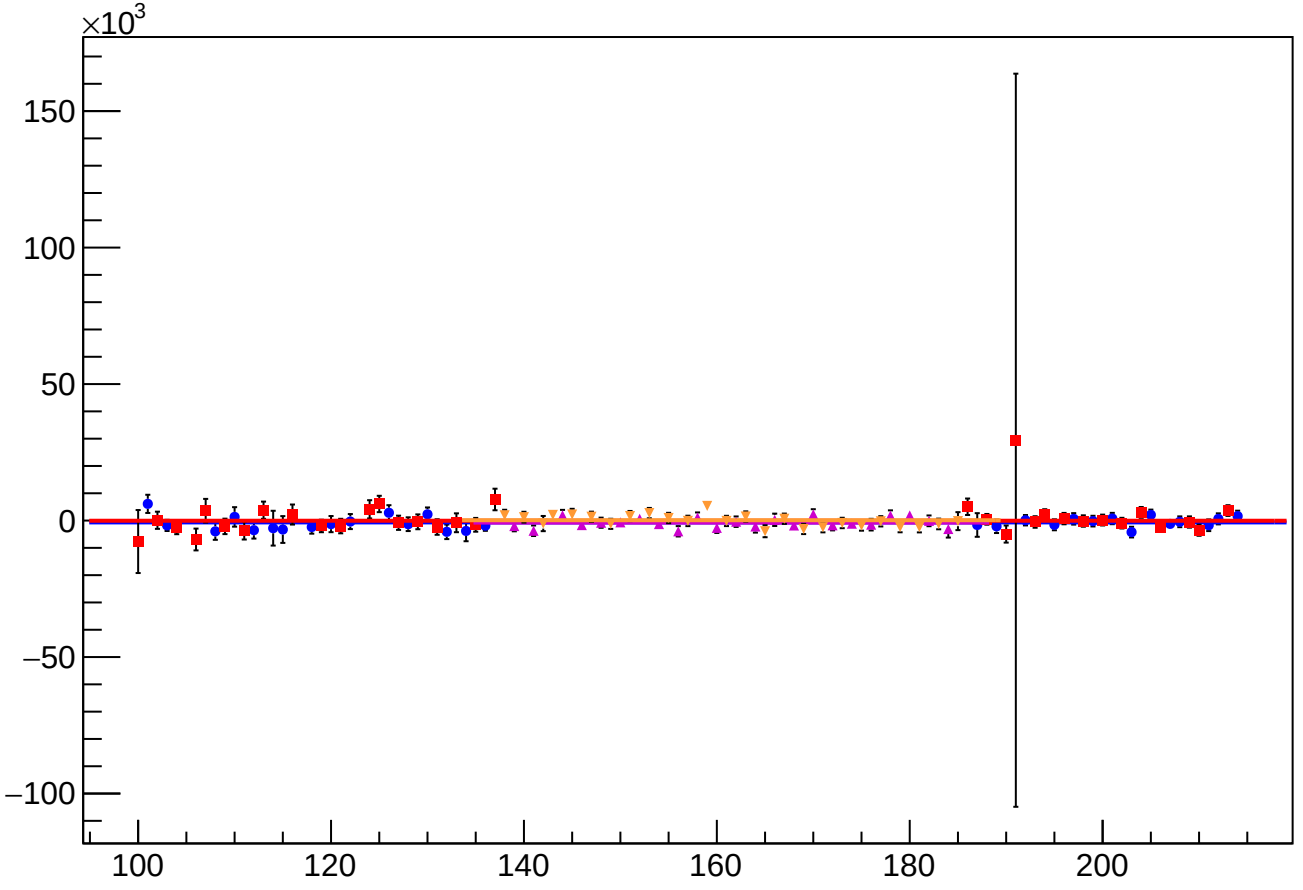
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2323.458+/-0.393 χ^2/NDF: 39374608.2/63

In: 4495.549+/-0.546 χ^2/NDF:5053873.3/52

Out: 2376.252+/-0.373 χ^2/NDF:35577852.4/58

All: 3052.052+/-0.308 χ^2/NDF: 50898848.5/1



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

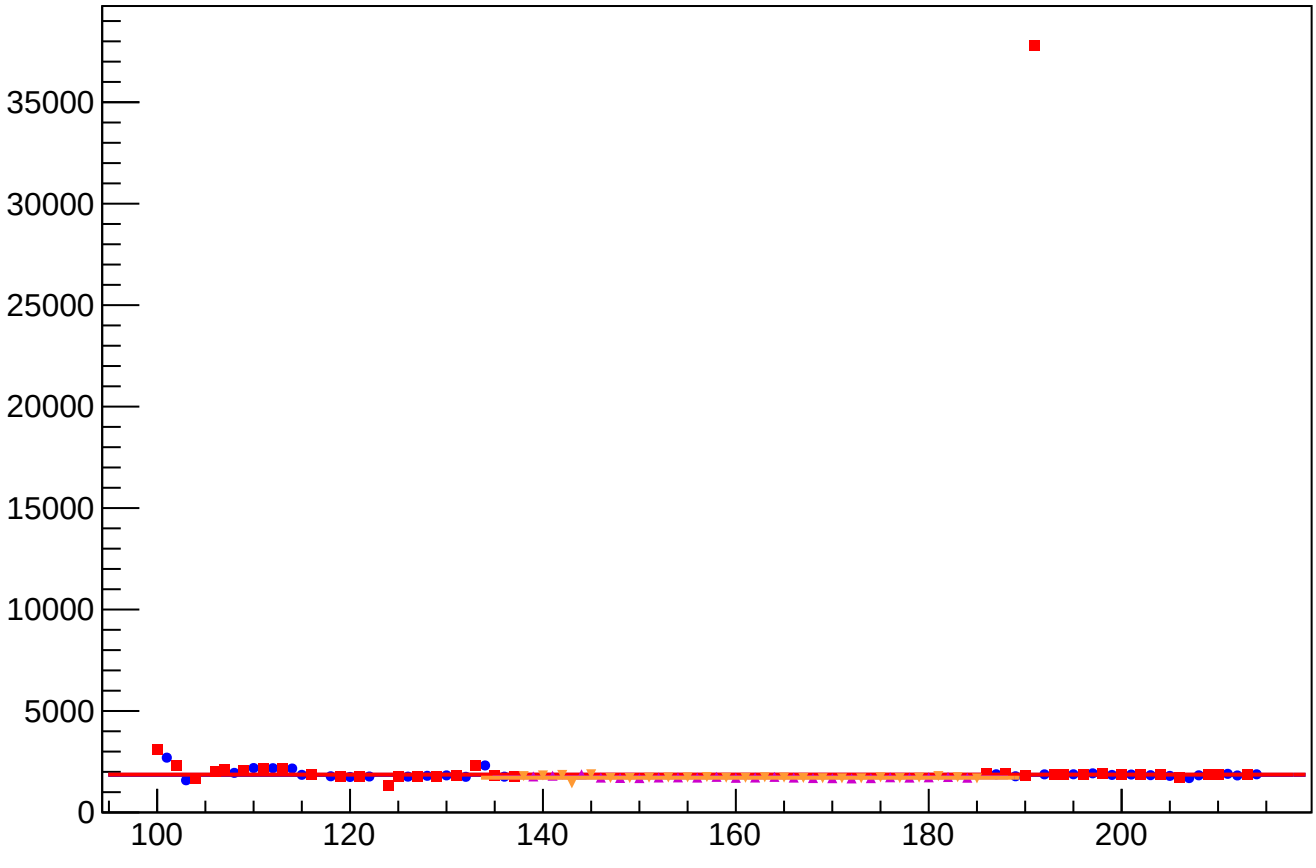
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -369.872+/-306.793 χ^2/NDF: 62.9/63

In: -711.097+/-295.731 χ^2/NDF:41.6/52

Out: 38.173+/-289.822 χ^2/NDF:69.1/58

All: -328.901+/-206.993 χ^2/NDF: 114.0/111



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

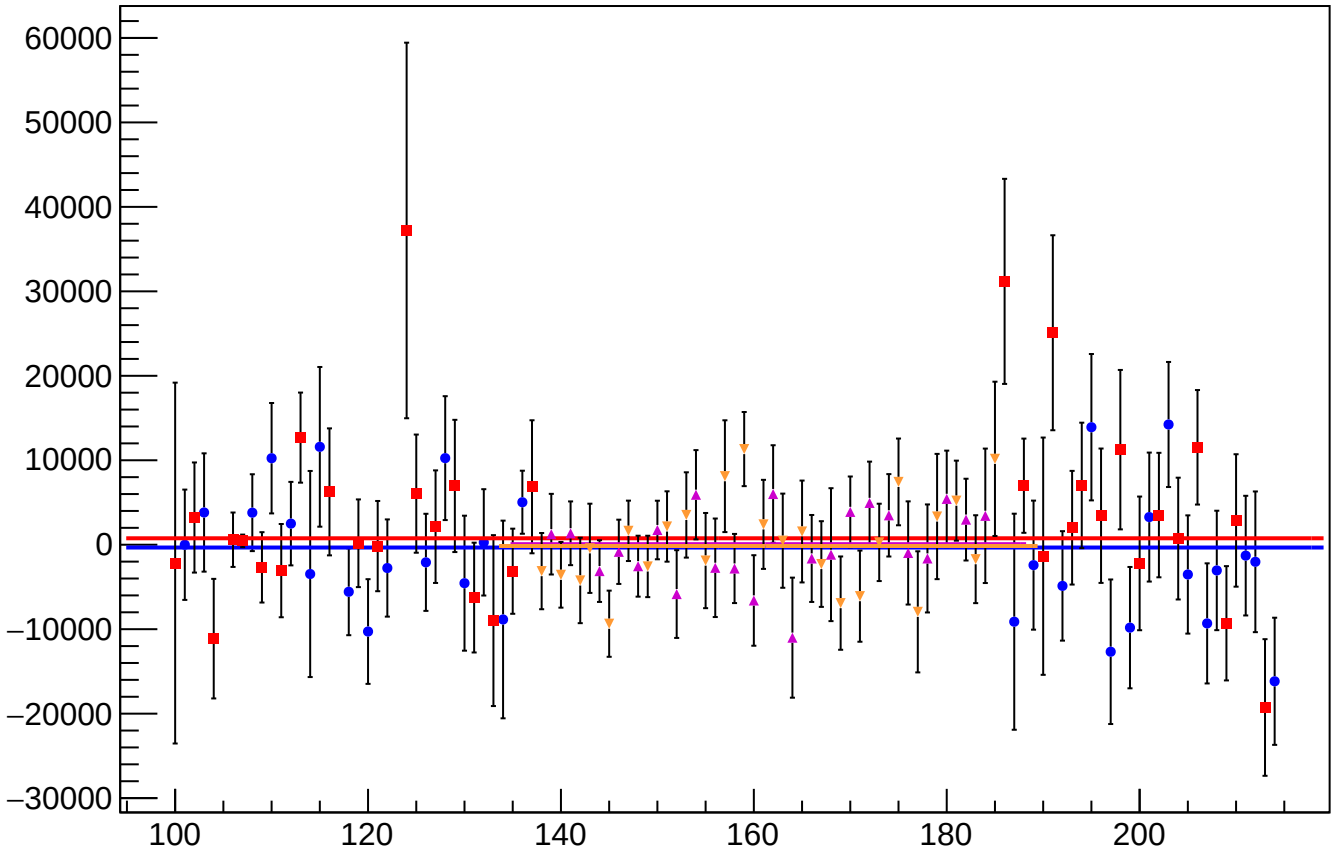
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1858.157+/-0.217 χ^2/NDF: 712801.9/63

In: 1786.362+/-0.209 χ^2/NDF:386879.0/52

Out: 1780.640+/-0.205 χ^2/NDF:662910.2/58

All: 1783.443+/-0.146 χ^2/NDF: 1050171.0/11



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

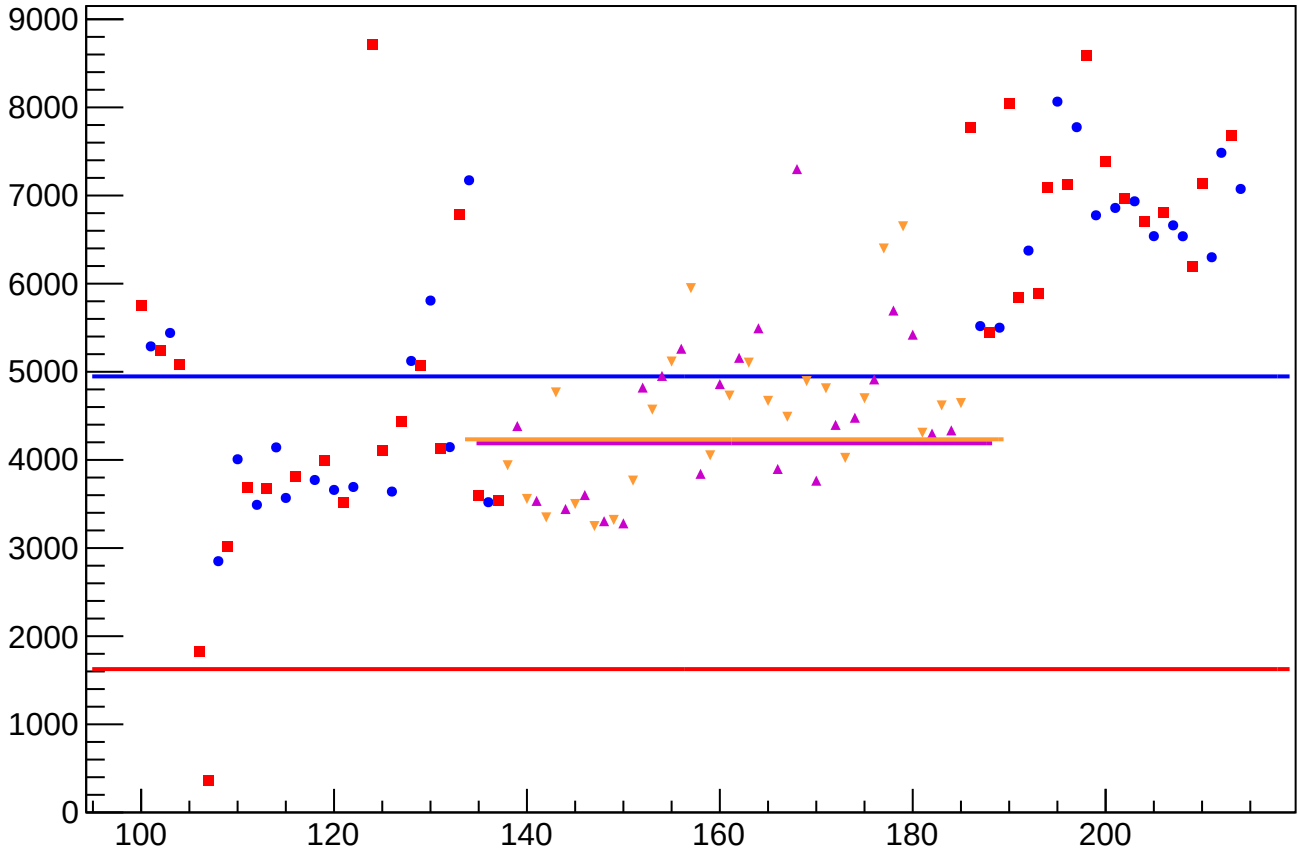
Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

Right: 533.830+/-556.258 χ^2/NDF: 75.8/63

In: -95.183+/-771.960 χ^2/NDF:46.8/52

Out: 500.897+/-528.203 χ^2/NDF:69.9/58

All: 310.817+/-435.924 χ^2/NDF: 117.1/111



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

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

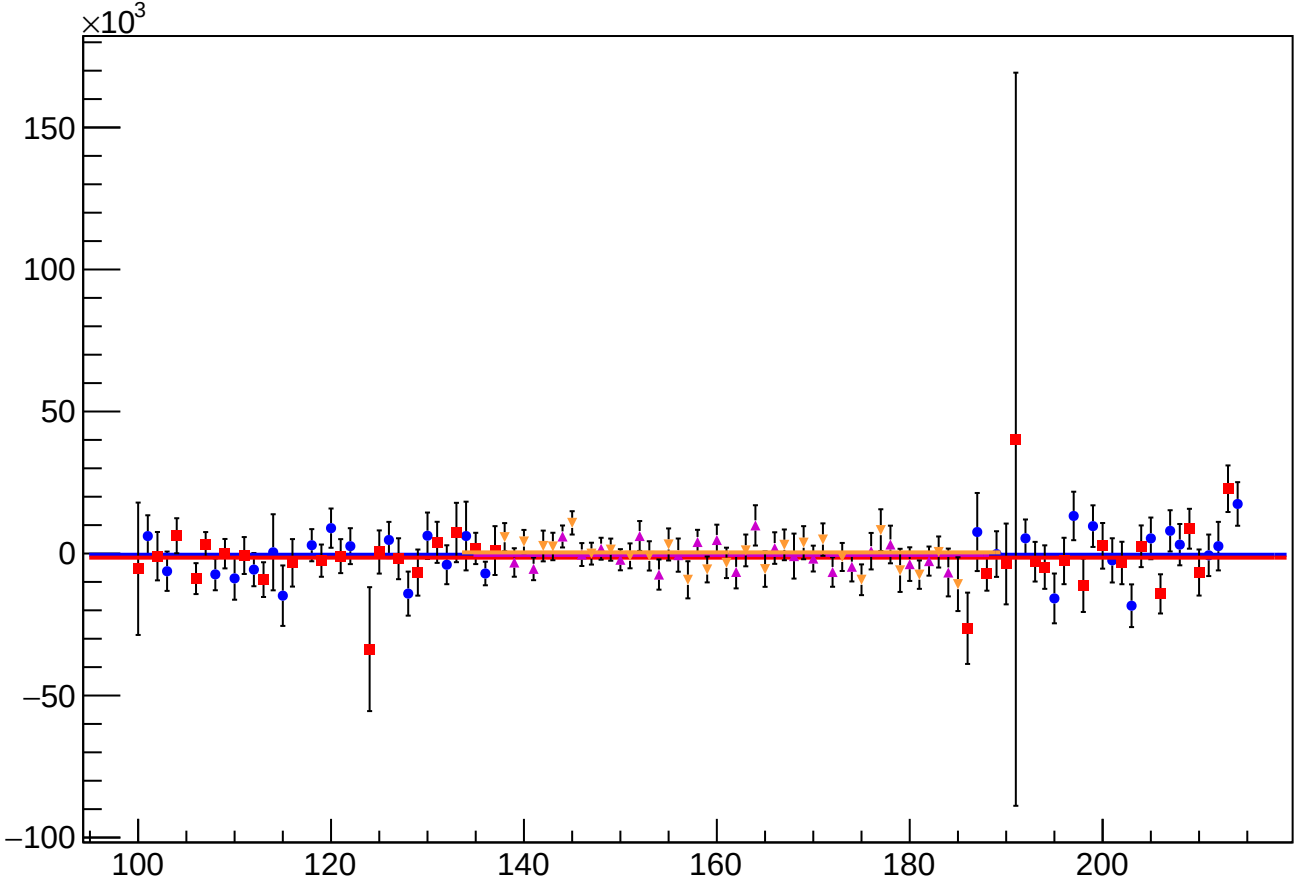
Right: 2323.509+/-0.393 χ^2/NDF: 39373906.1/63

In: 4495.551+/-0.546 χ^2/NDF:5053890.2/52

Out: 2376.299+/-0.373 χ^2/NDF:35577138.1/58

All: 3052.095+/-0.308 χ^2/NDF: 50897636.4/

asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

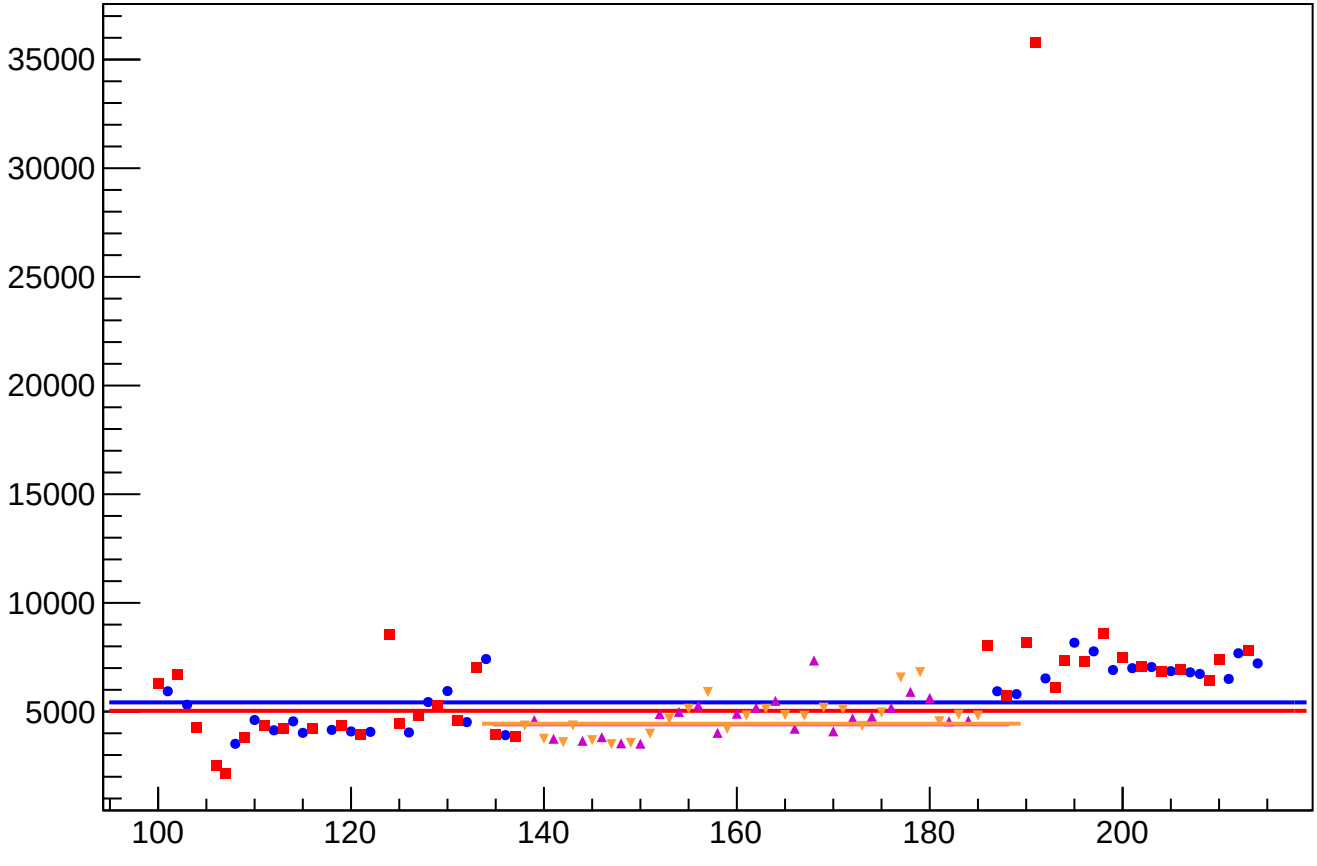
Right: -968.827+/-902.945 χ^2/NDF: 71.7/63

In: -474.856+/-819.564 χ^2/NDF:56.3/52

Out: -352.797+/-792.856 χ^2/NDF:58.4/58

All: -411.805+/-569.842 χ^2/NDF: 114.8/111

asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

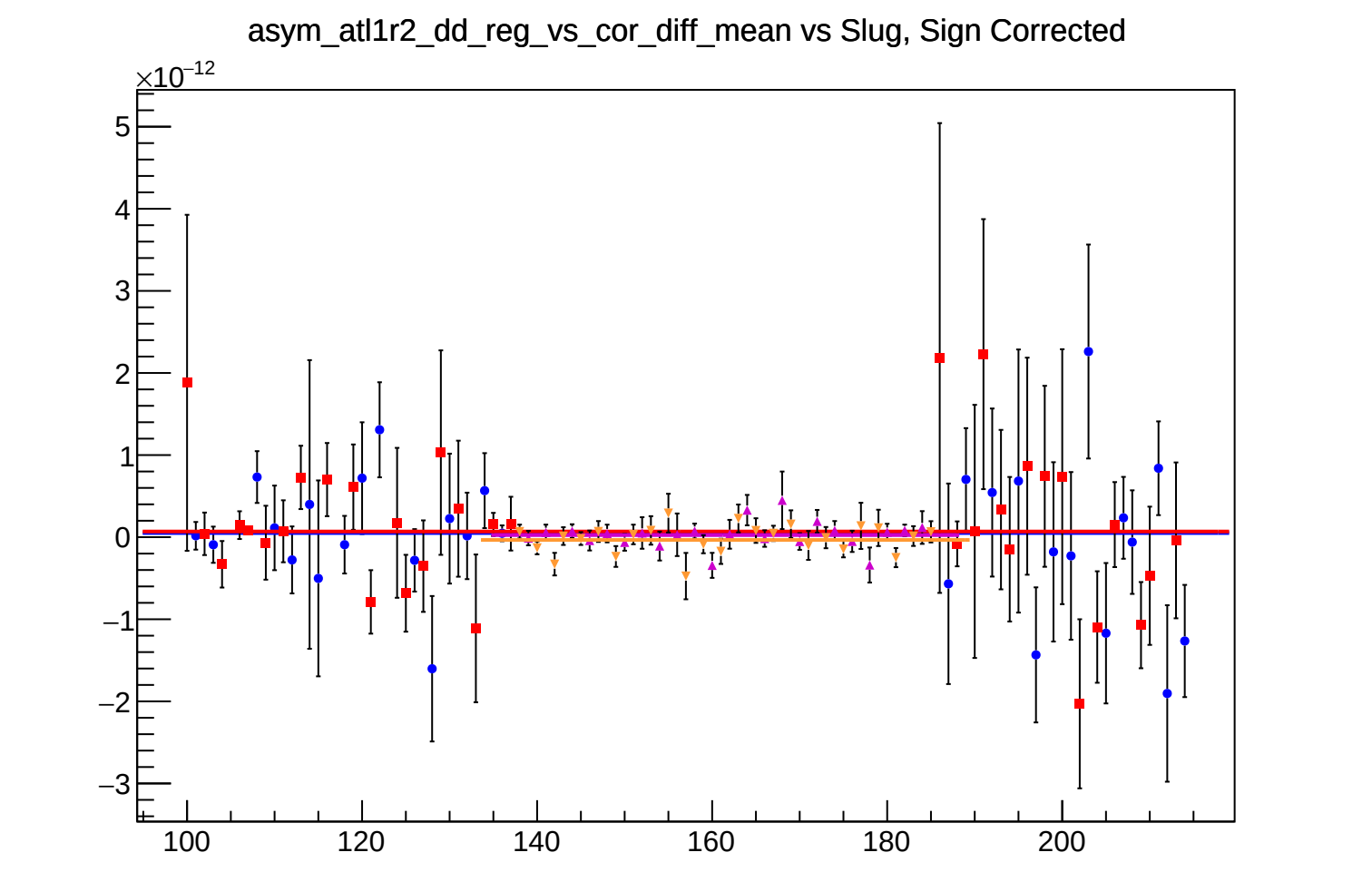
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

Right: 5216.388+/-0.636 χ^2/NDF: 6584640.7/63

In: 4808.352+/-0.580 χ^2/NDF:4131496.8/52

Out: 4683.123+/-0.559 χ^2/NDF:5534507.5/58

All: 4743.499+/-0.402 χ^2/NDF: 9690186.8/11



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

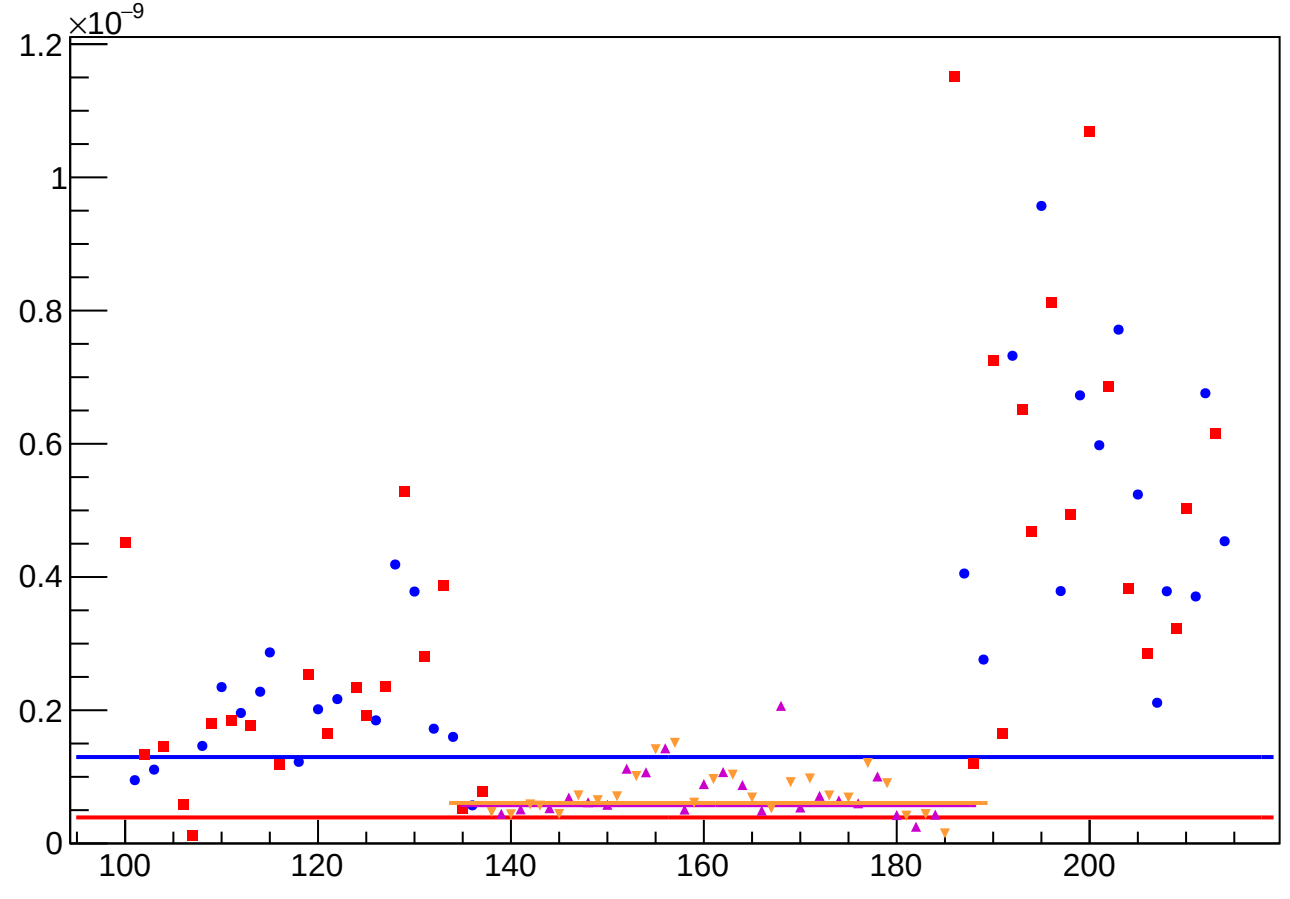
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 72.7/63

In: 0.000+/-0.000 χ^2/NDF:56.0/52

Out: 0.000+/-0.000 χ^2/NDF:70.8/58

All: 0.000+/-0.000 χ^2/NDF: 127.5/111



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

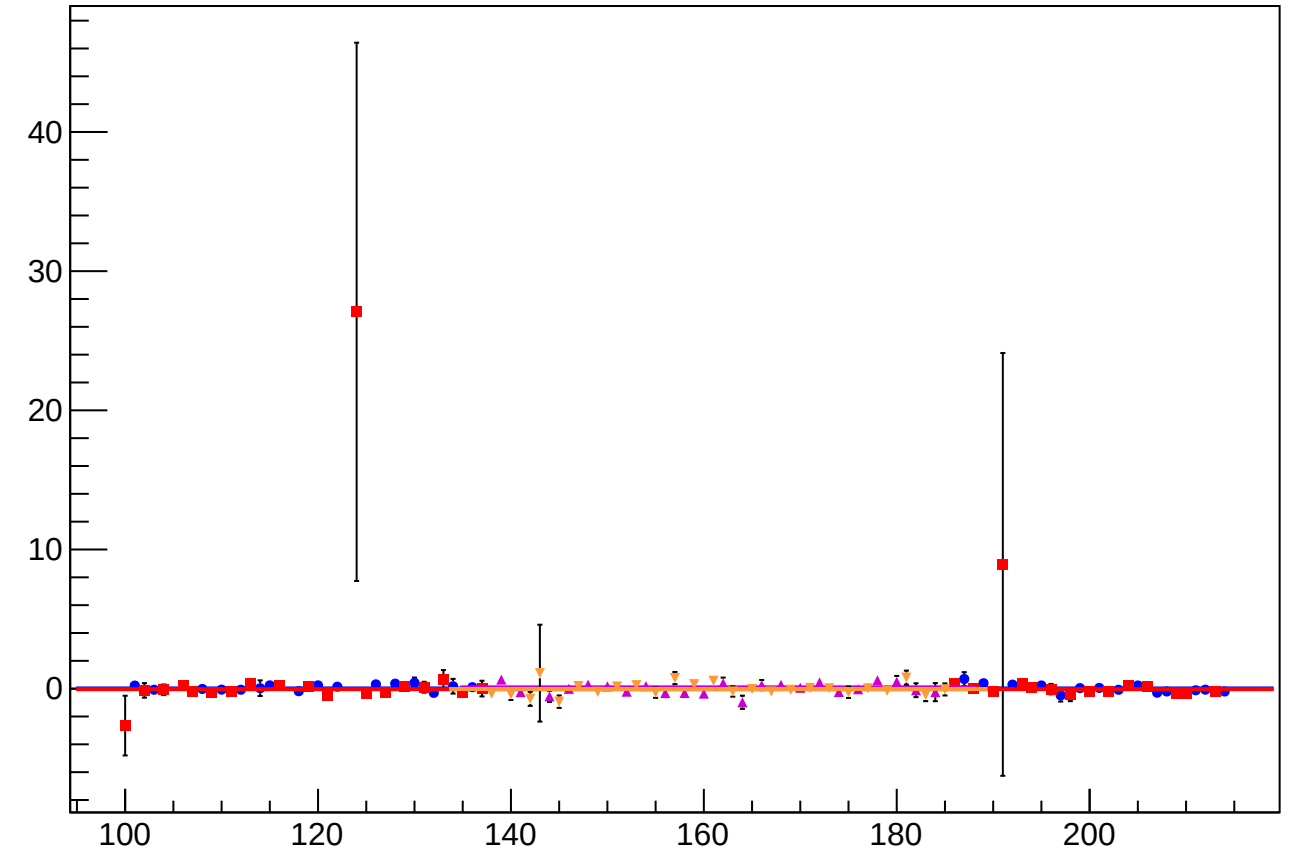
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 22475417.4/63

In: 0.000+/-0.000 χ^2/NDF:11142167.3/52

Out: 0.000+/-0.000 χ^2/NDF:14554251.0/58

All: 0.000+/-0.000 χ^2/NDF: 26100381.8/111



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

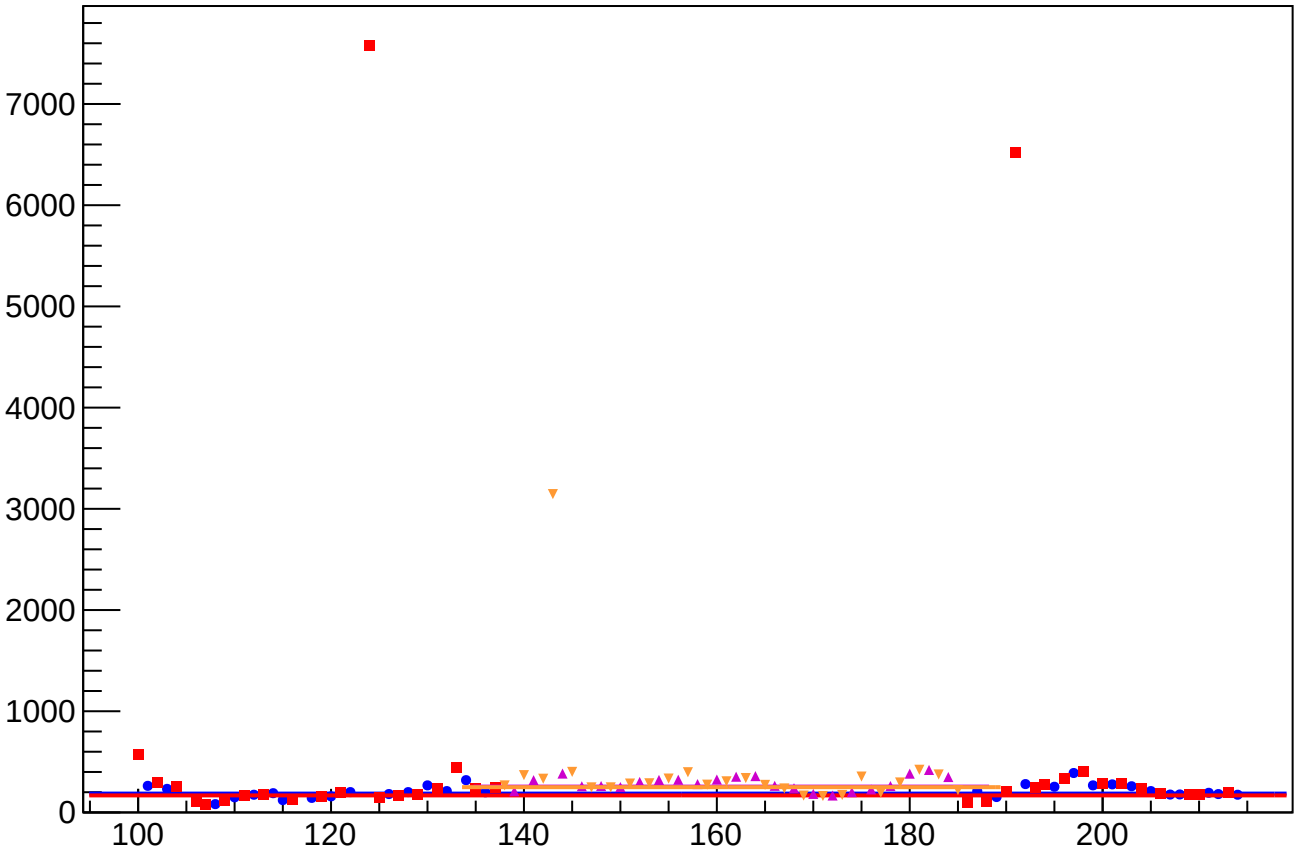
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.013+/-0.032 χ^2/NDF: 59.0/63

In: 0.043+/-0.037 χ^2/NDF:54.7/52

Out: -0.033+/-0.036 χ^2/NDF:59.8/58

All: 0.003+/-0.026 χ^2/NDF: 116.6/111



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

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

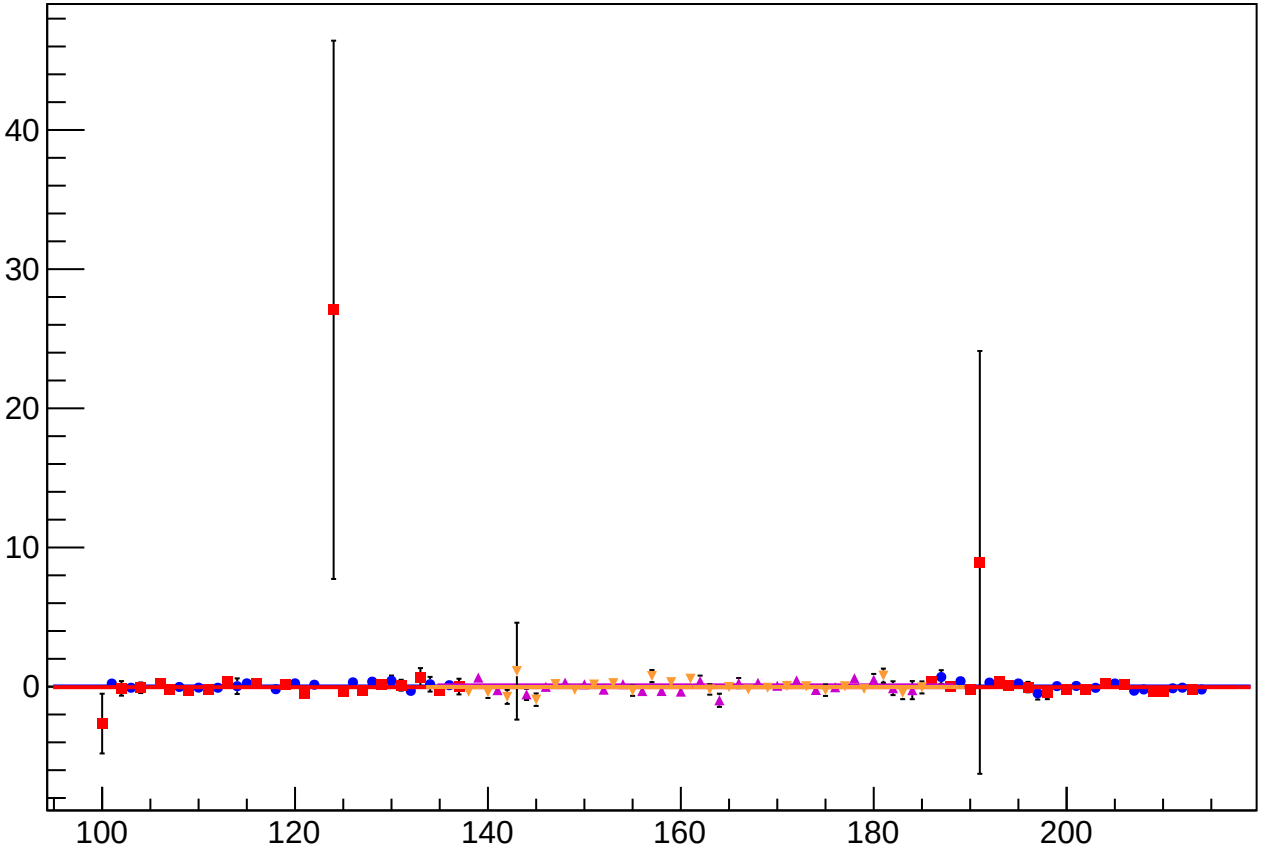
Right: 176.828+/-0.022 χ^2/NDF: 8482628.1/63

In: 210.704+/-0.026 χ^2/NDF:6639318.4/52

Out: 195.548+/-0.025 χ^2/NDF:11907881.1/58

All: 202.730+/-0.018 χ^2/NDF: 18719648.5/11

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

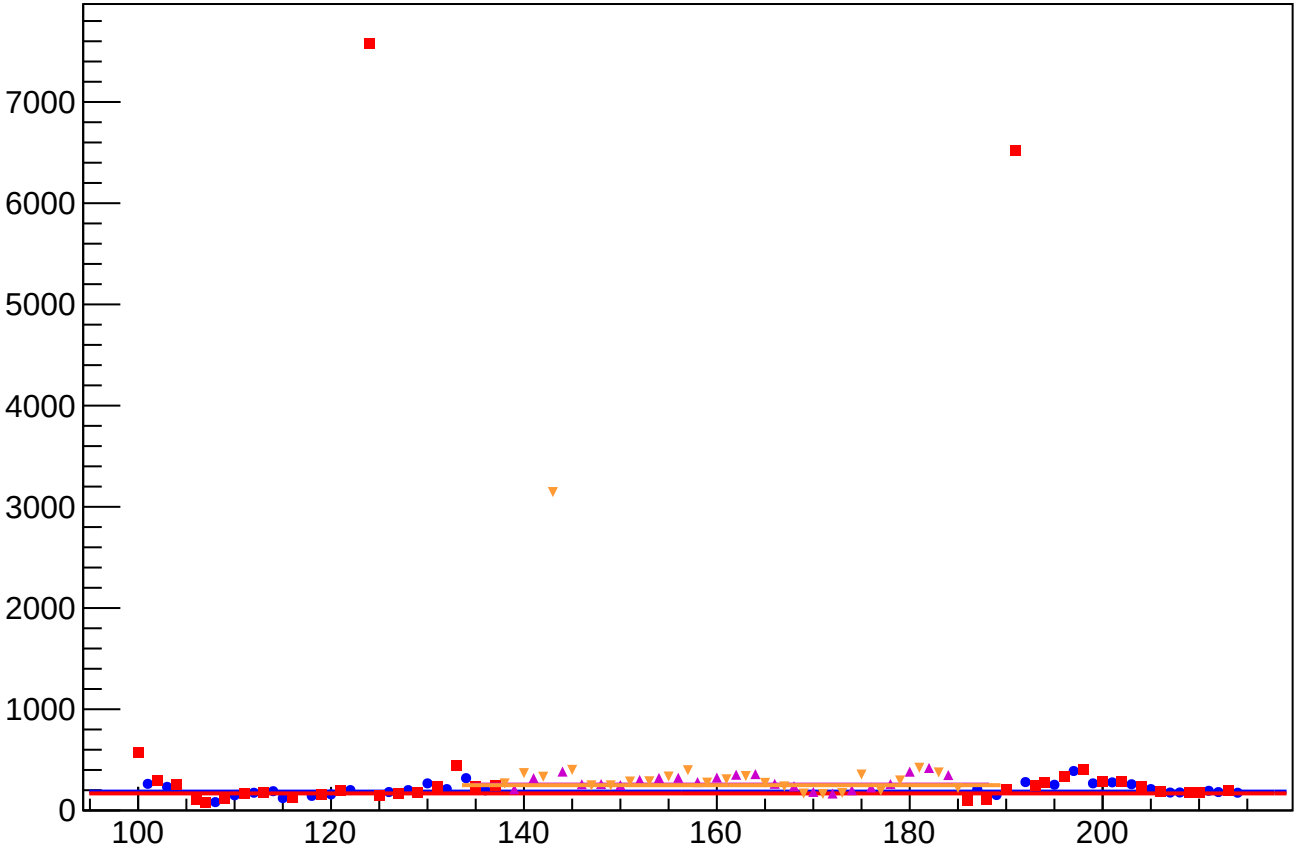
Right: -0.013+/-0.032 χ^2/NDF: 59.0/63

In: 0.043+/-0.037 χ^2/NDF:54.7/52

Out: -0.033+/-0.036 χ^2/NDF:59.8/58

All: 0.003+/-0.026 χ^2/NDF: 116.6/111

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

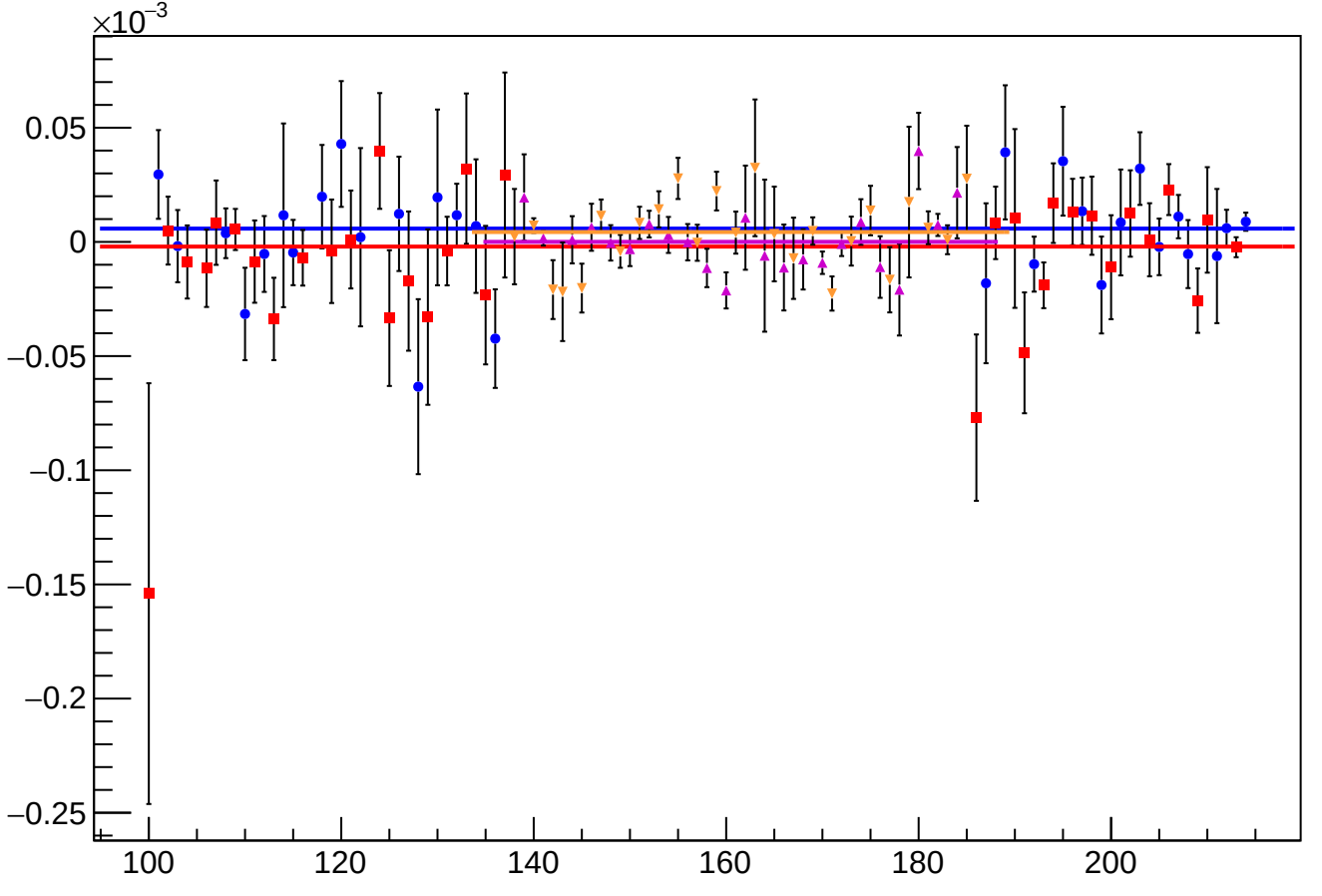
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 176.828+/-0.022 χ^2/NDF: 8482628.1/63

In: 210.704+/-0.026 χ^2/NDF:6639318.4/52

Out: 195.548+/-0.025 χ^2/NDF:11907881.1/58

All: 202.730+/-0.018 χ^2/NDF: 18719648.5/11



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

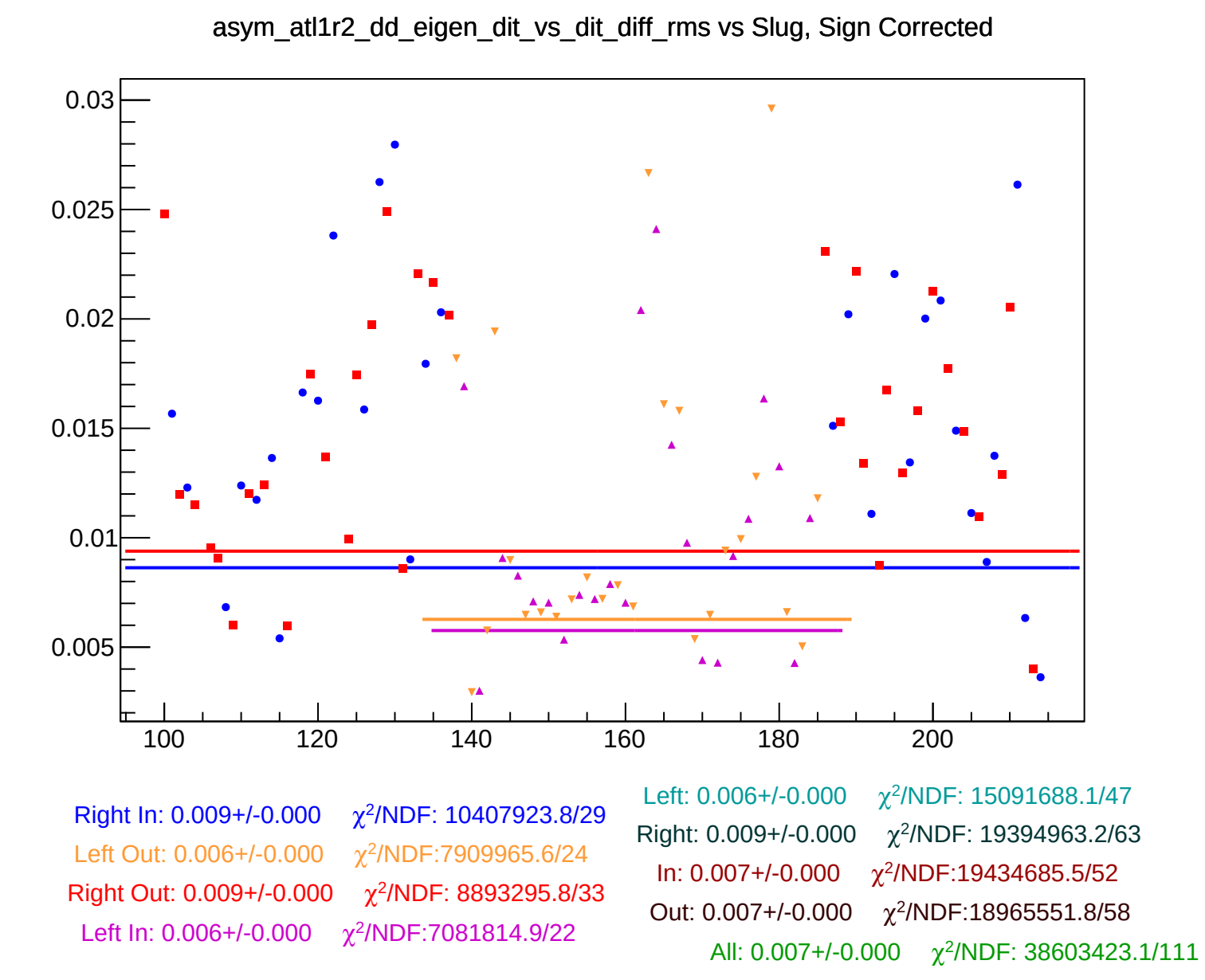
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: 0.000+/-0.000 χ^2/NDF: 70.6/63

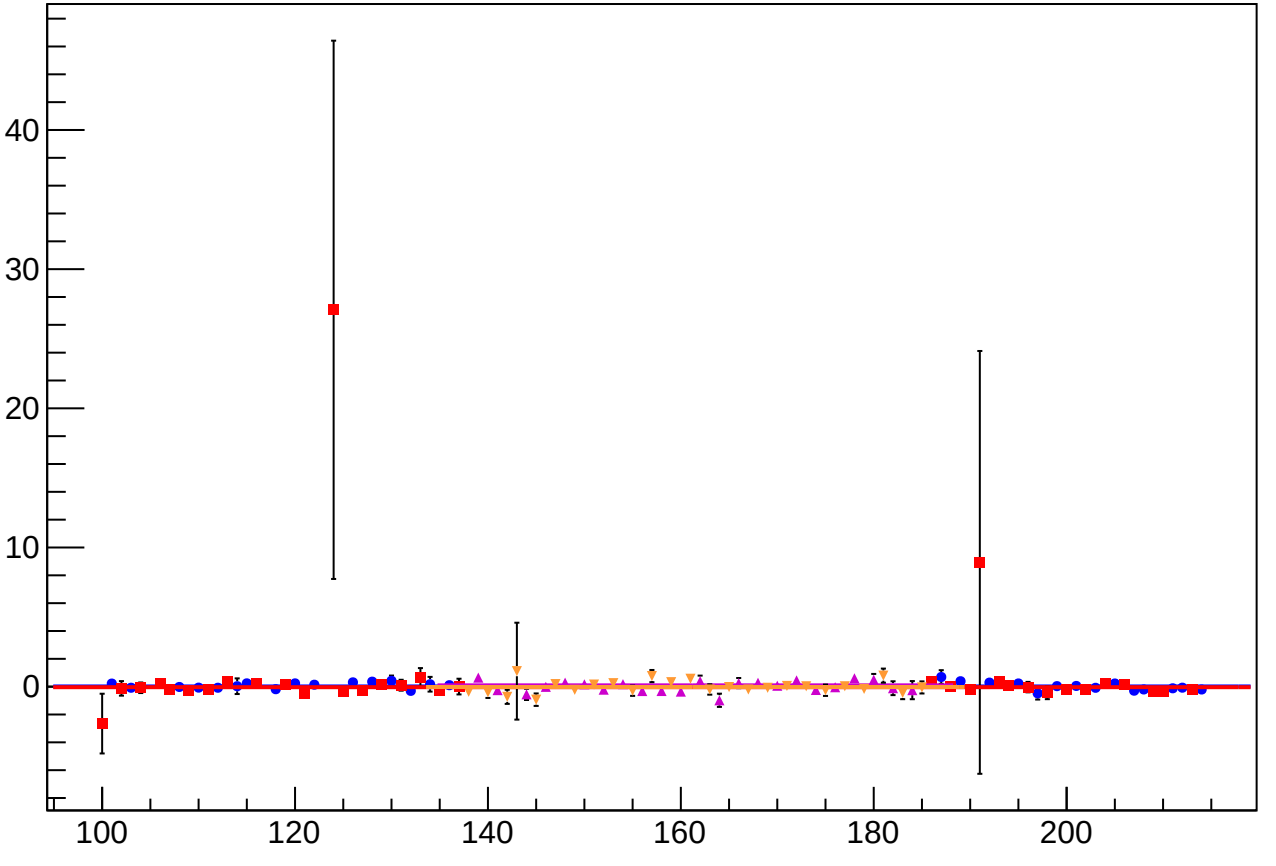
In: 0.000+/-0.000 χ^2/NDF:61.3/52

Out: 0.000+/-0.000 χ^2/NDF:87.7/58

All: 0.000+/-0.000 χ^2/NDF: 149.2/111


asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 10407923.8/29
Left Out: 0.006+/-0.000 χ²/NDF:7909965.6/24
Right Out: 0.009+/-0.000 χ²/NDF: 8893295.8/33
Left In: 0.006+/-0.000 χ²/NDF:7081814.9/22
Left: 0.006+/-0.000 χ²/NDF: 15091688.1/47
Right: 0.009+/-0.000 χ²/NDF: 19394963.2/63
In: 0.007+/-0.000 χ²/NDF:19434685.5/52
Out: 0.007+/-0.000 χ²/NDF:18965551.8/58
All: 0.007+/-0.000 χ²/NDF: 38603423.1/111

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

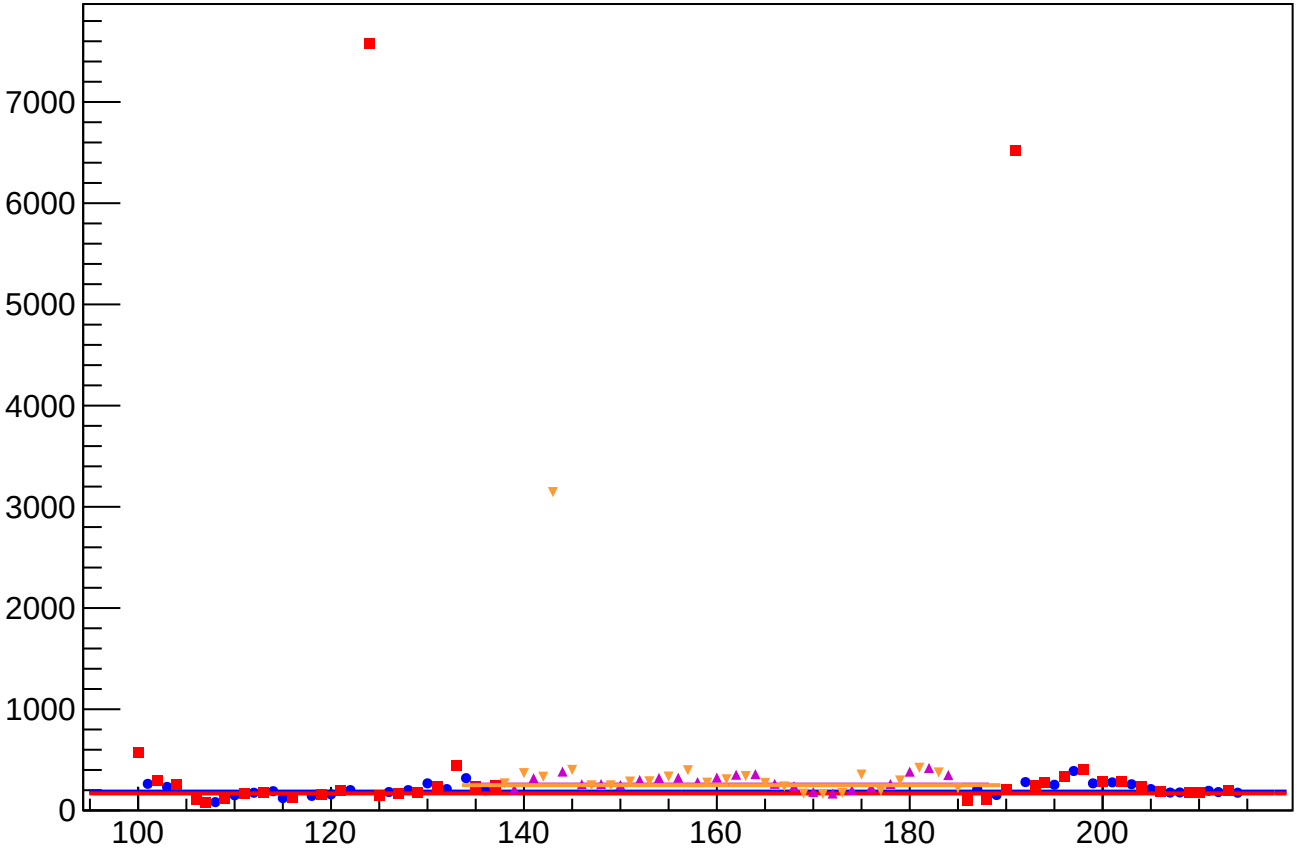
Right: -0.013+/-0.032 χ^2/NDF: 59.0/63

In: 0.043+/-0.037 χ^2/NDF:54.7/52

Out: -0.033+/-0.036 χ^2/NDF:59.8/58

All: 0.003+/-0.026 χ^2/NDF: 116.6/111

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

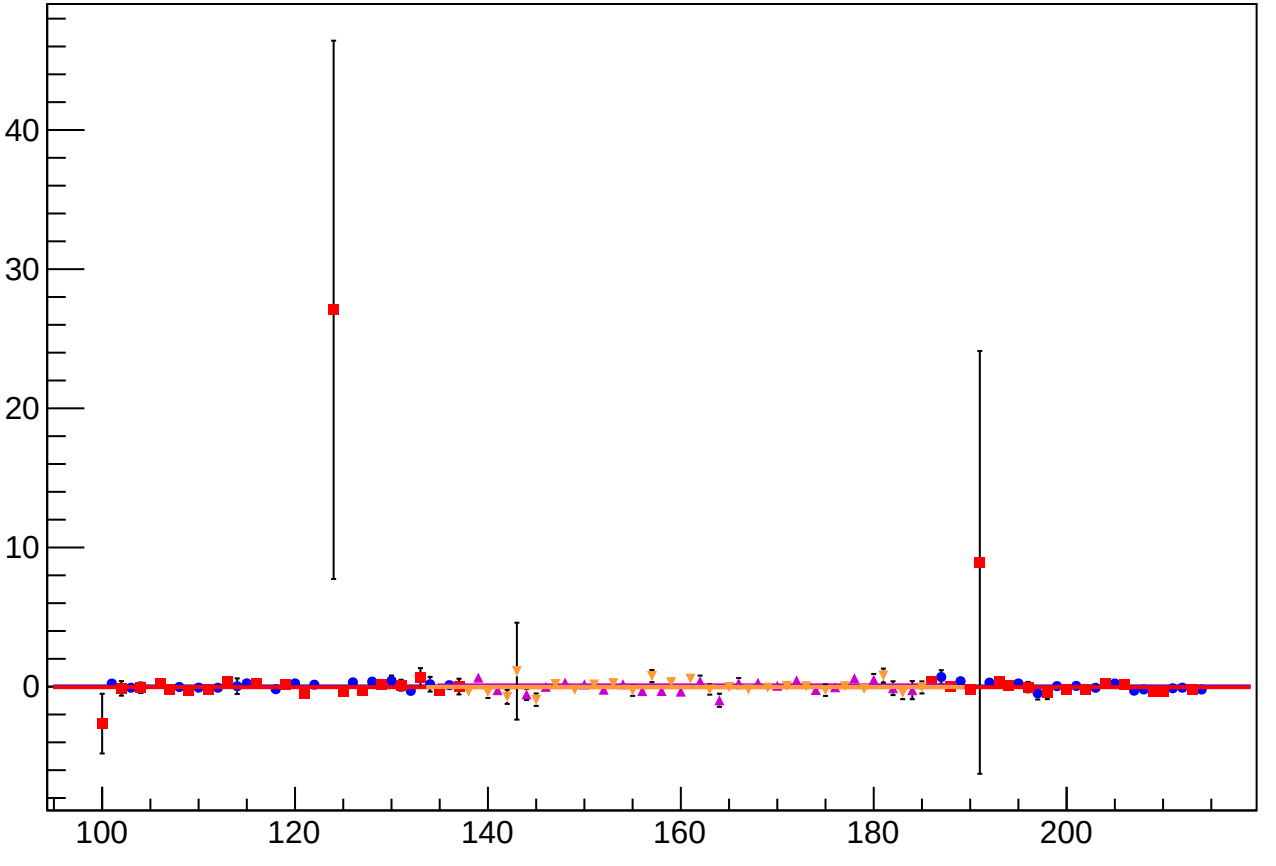
Right: 176.828+/-0.022 χ^2/NDF: 8482519.9/63

In: 210.703+/-0.026 χ^2/NDF:6639566.2/52

Out: 195.550+/-0.025 χ^2/NDF:11907786.2/58

All: 202.731+/-0.018 χ^2/NDF: 18719752.7/11

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

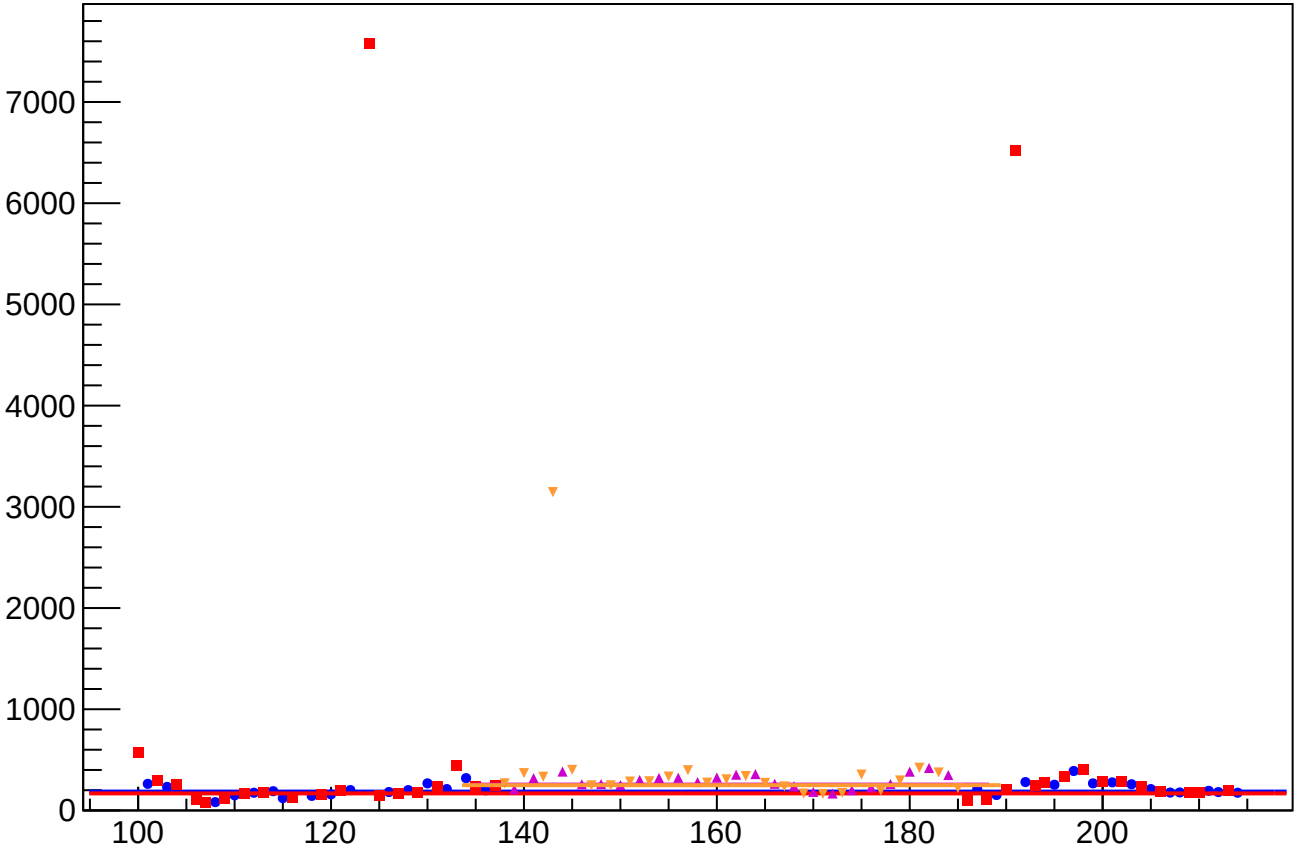
Right: -0.013+/-0.032 χ^2/NDF: 59.0/63

In: 0.043+/-0.037 χ^2/NDF:54.7/52

Out: -0.033+/-0.036 χ^2/NDF:59.8/58

All: 0.003+/-0.026 χ^2/NDF: 116.6/111

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

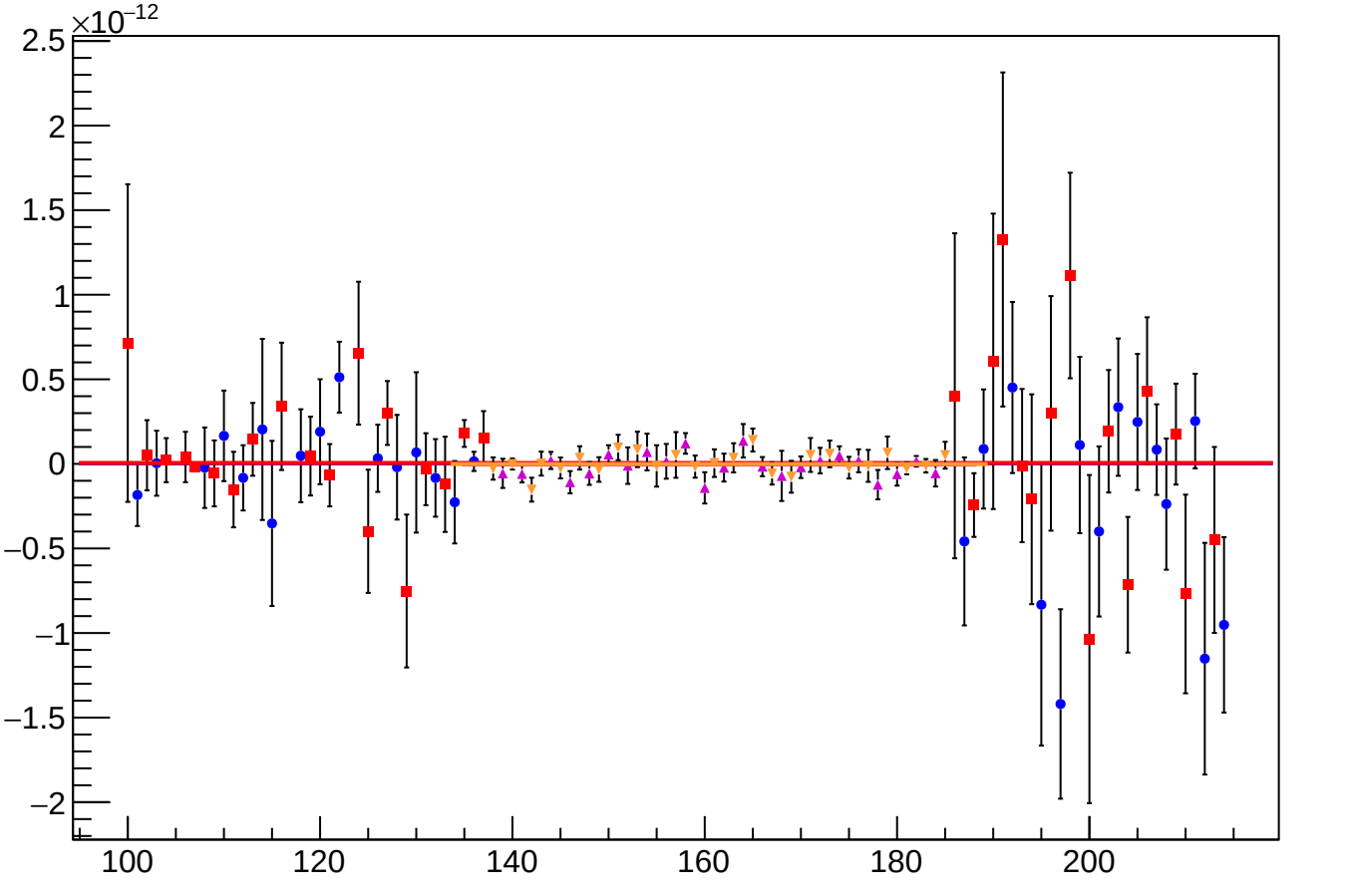
Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

Right: 176.828+/-0.022 χ^2/NDF: 8482519.9/63

In: 210.703+/-0.026 χ^2/NDF:6639566.2/52

Out: 195.550+/-0.025 χ^2/NDF:11907786.2/58

All: 202.731+/-0.018 χ^2/NDF: 18719752.7/1



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

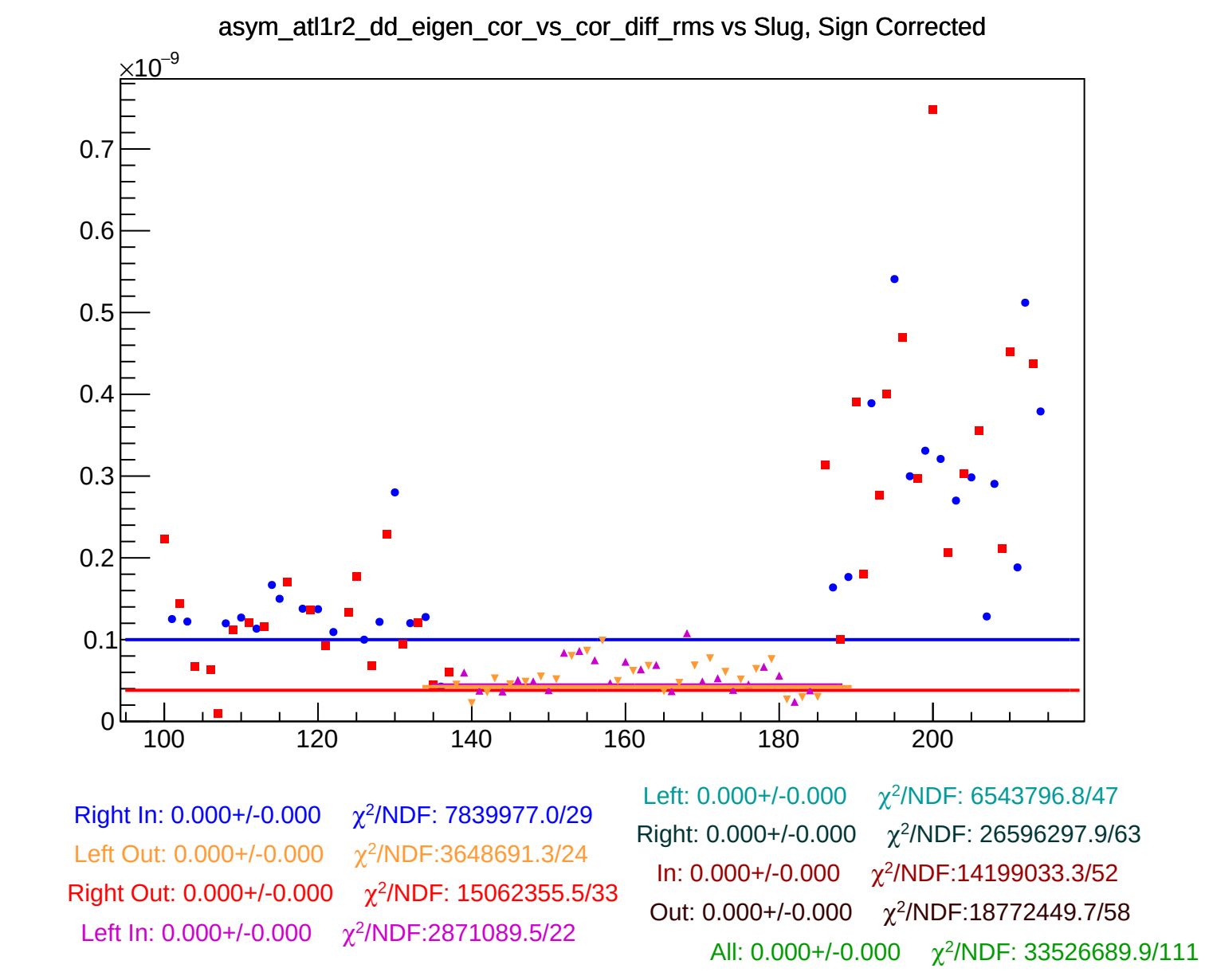
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

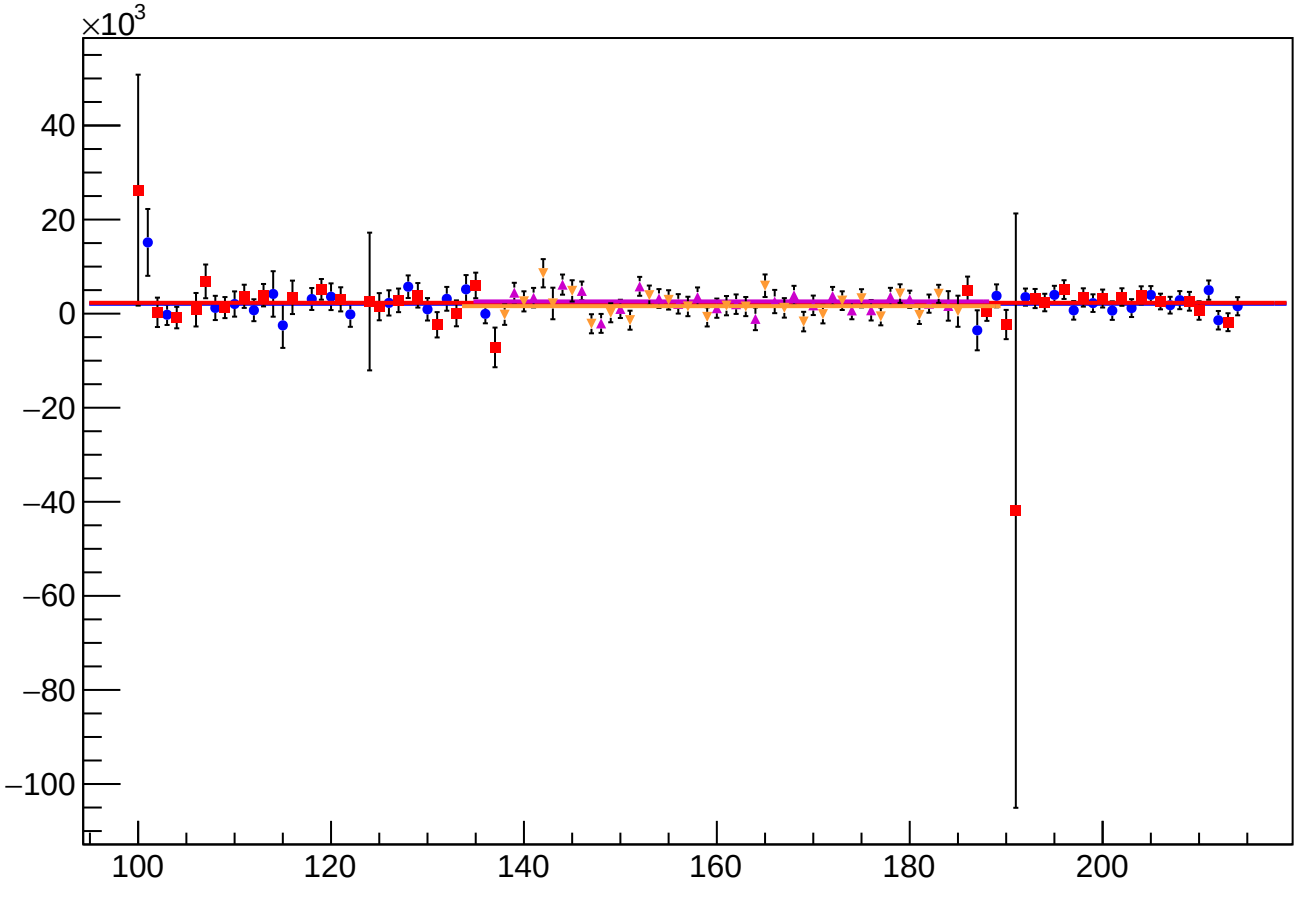
Right: 0.000+/-0.000 χ^2/NDF: 62.6/63

In: -0.000+/-0.000 χ^2/NDF:48.0/52

Out: 0.000+/-0.000 χ^2/NDF:51.0/58

All: -0.000+/-0.000 χ^2/NDF: 99.0/111


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7839977.0/29
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 15062355.5/33
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
Left: 0.000+/-0.000 χ²/NDF: 6543796.8/47
Right: 0.000+/-0.000 χ²/NDF: 26596297.9/63
In: 0.000+/-0.000 χ²/NDF:14199033.3/52
Out: 0.000+/-0.000 χ²/NDF:18772449.7/58
All: 0.000+/-0.000 χ²/NDF: 33526689.9/111



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

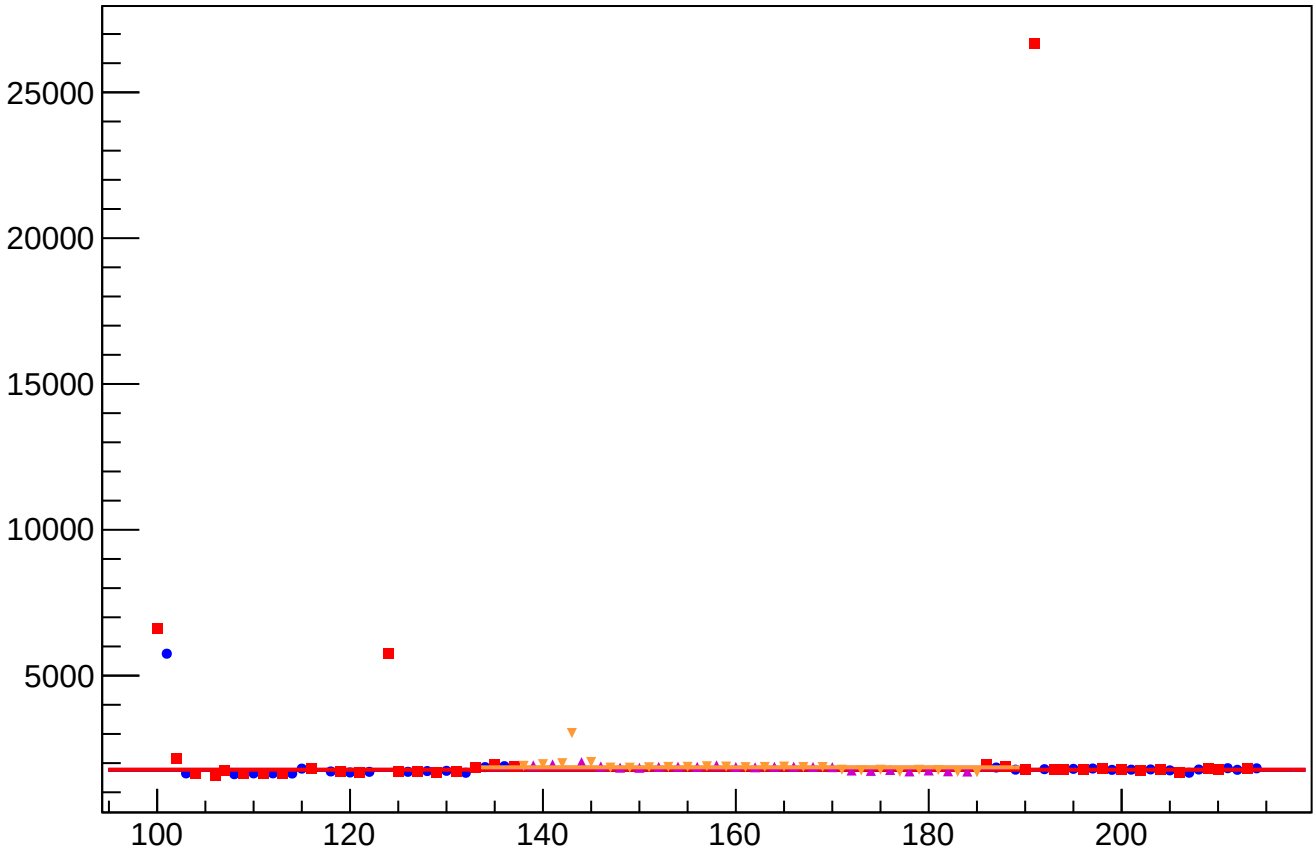
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2200.236+/-293.929 χ^2/NDF: 56.5/63

In: 2339.049+/-299.482 χ^2/NDF:44.5/52

Out: 1955.413+/-296.081 χ^2/NDF:65.4/58

All: 2145.040+/-210.553 χ^2/NDF: 110.6/111



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

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

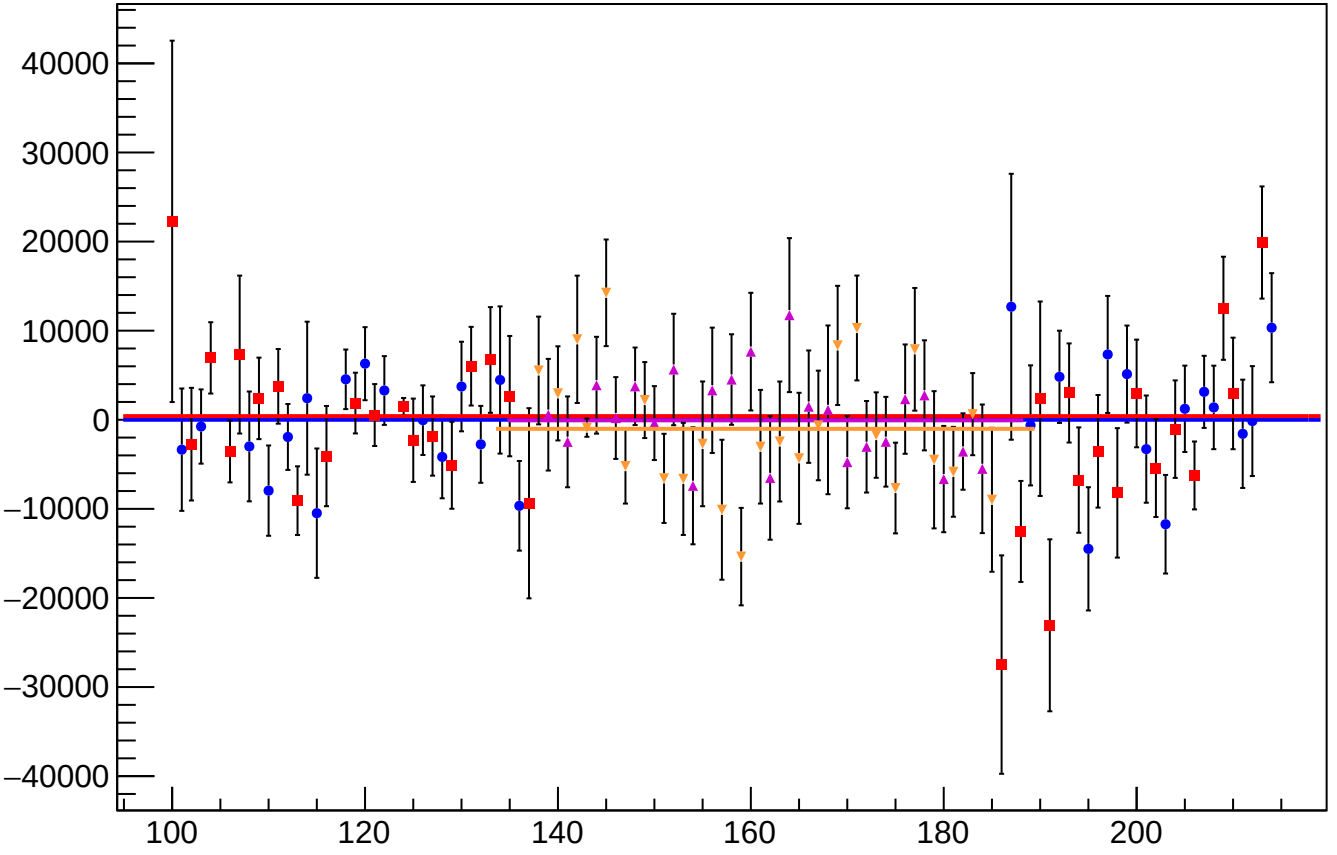
Right: 1771.037+/-0.208 χ^2/NDF: 1333278.2/63

In: 1803.384+/-0.212 χ^2/NDF:784984.3/52

Out: 1813.759+/-0.209 χ^2/NDF:1011033.8/58

All: 1808.639+/-0.149 χ^2/NDF: 1797233.7/11

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



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

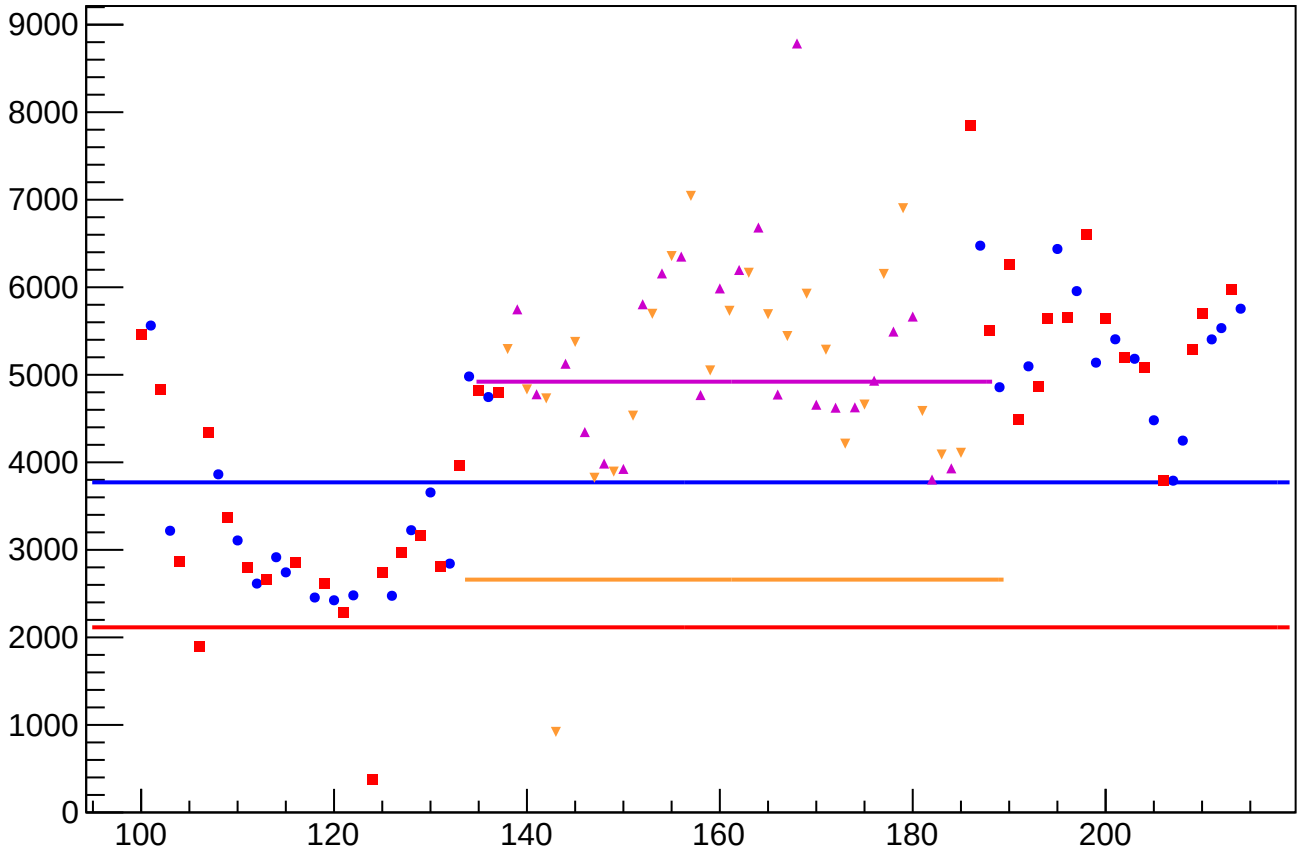
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 272.344+/-537.603 χ^2/NDF: 91.7/63

In: -22.648+/-728.858 χ^2/NDF:45.7/52

Out: -193.522+/-501.094 χ^2/NDF:94.6/58

All: -138.678+/-412.922 χ^2/NDF: 140.3/111



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

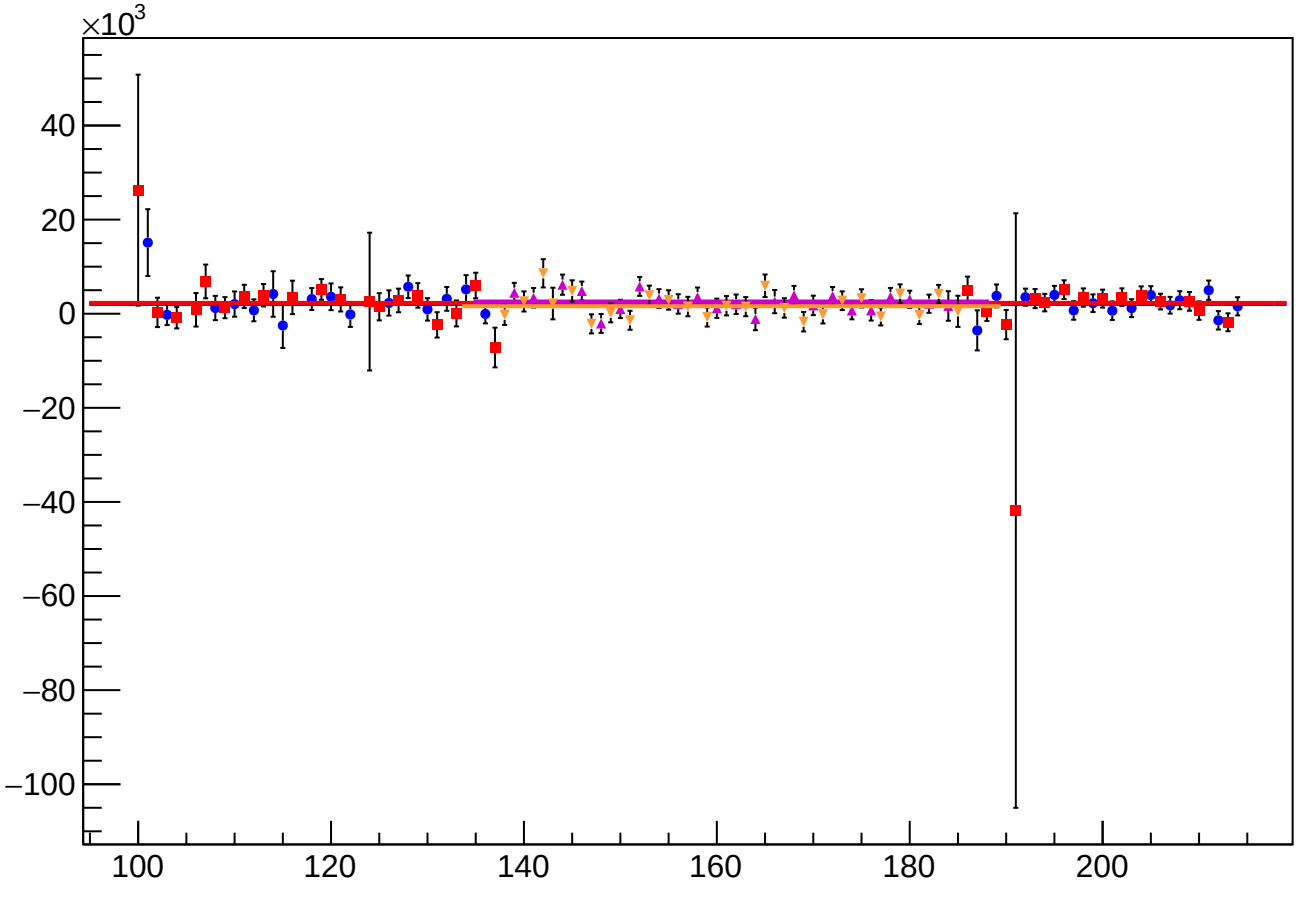
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2668.429+/-0.380 χ^2/NDF: 24581103.2/63

In: 4214.948+/-0.515 χ^2/NDF:5853845.8/52

Out: 2344.727+/-0.354 χ^2/NDF:32047868.6/58

All: 2944.991+/-0.292 χ^2/NDF: 46843536.0/1



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

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

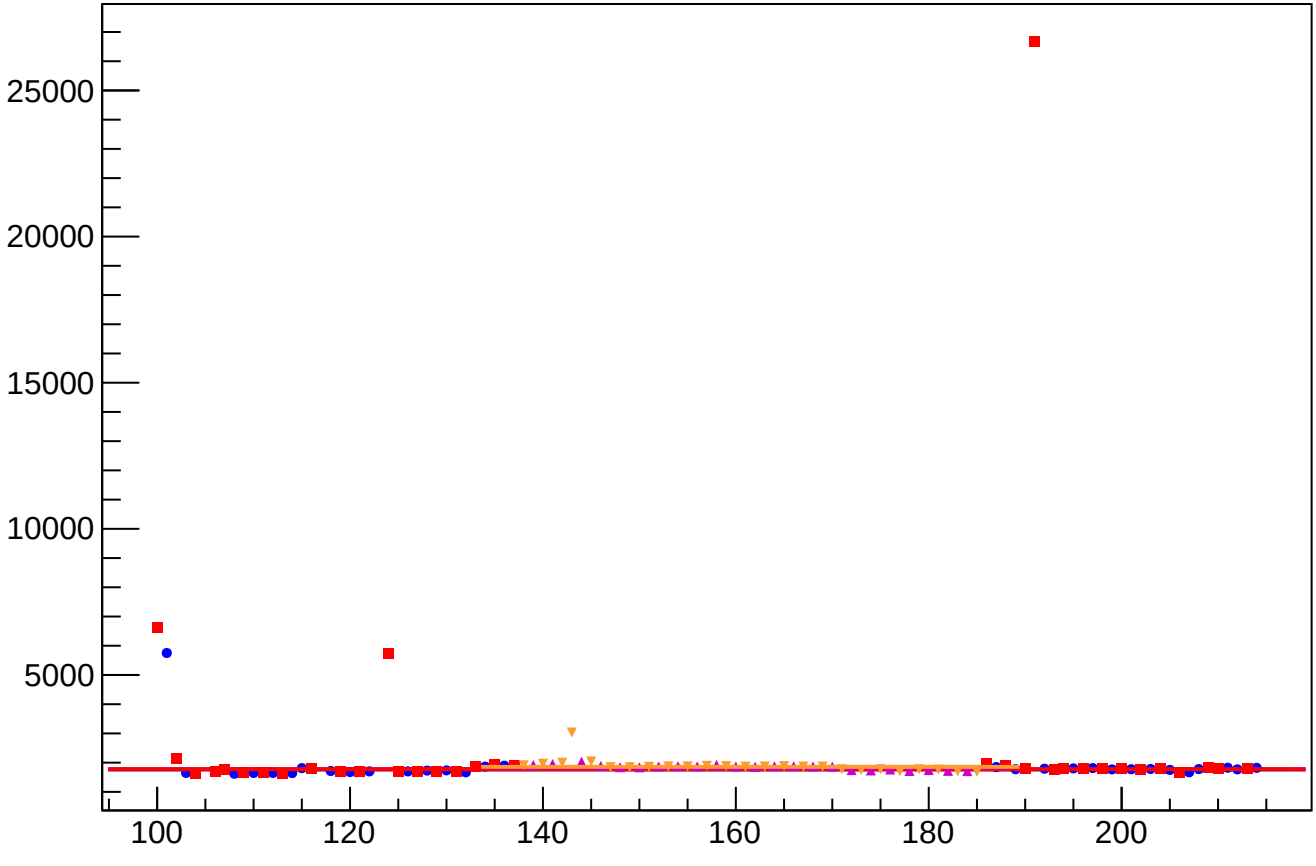
Right: 2200.154+/-293.929 χ^2/NDF: 56.4/63

In: 2338.989+/-299.482 χ^2/NDF:44.5/52

Out: 1955.407+/-296.081 χ^2/NDF:65.4/58

All: 2145.007+/-210.553 χ^2/NDF: 110.6/111

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

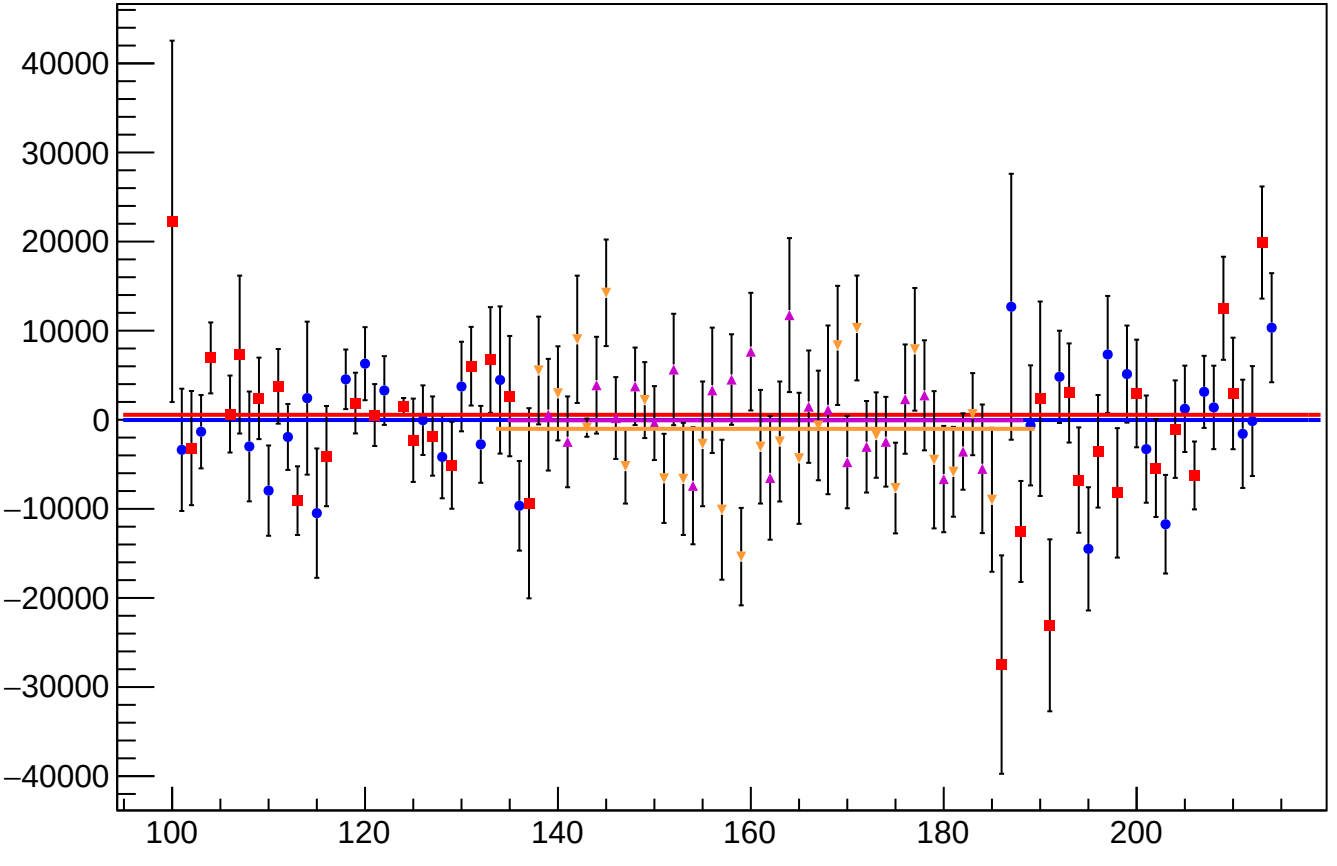
Right: 1772.440+/-0.208 χ^2/NDF: 1324787.5/63

In: 1803.384+/-0.212 χ^2/NDF:784984.6/52

Out: 1815.247+/-0.209 χ^2/NDF:999696.4/58

All: 1809.388+/-0.149 χ^2/NDF: 1786269.1/11

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



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

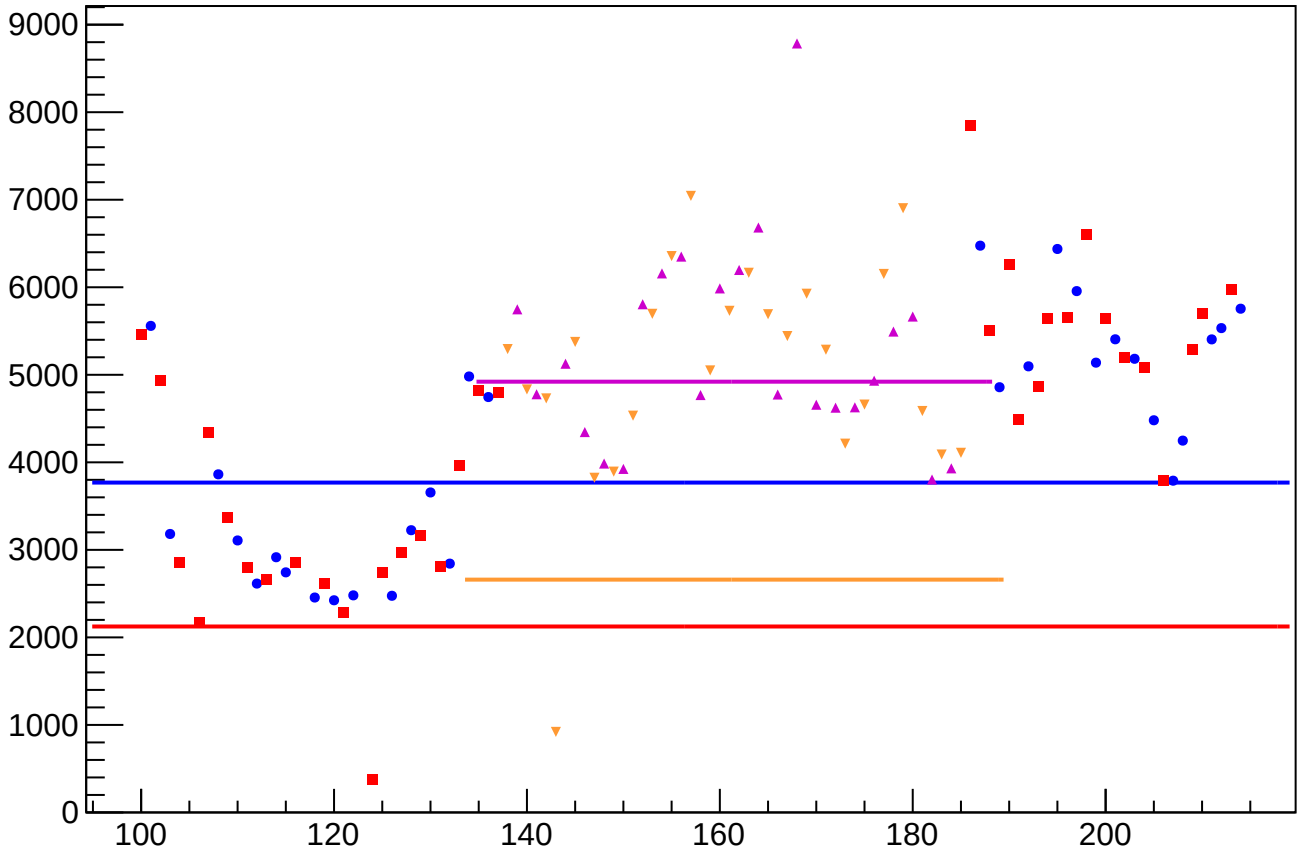
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 359.125+/-539.798 χ^2/NDF: 90.6/63

In: -41.727+/-728.568 χ^2/NDF:45.8/52

Out: -112.400+/-502.961 χ^2/NDF:93.8/58

All: -89.590+/-413.911 χ^2/NDF: 139.5/111



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

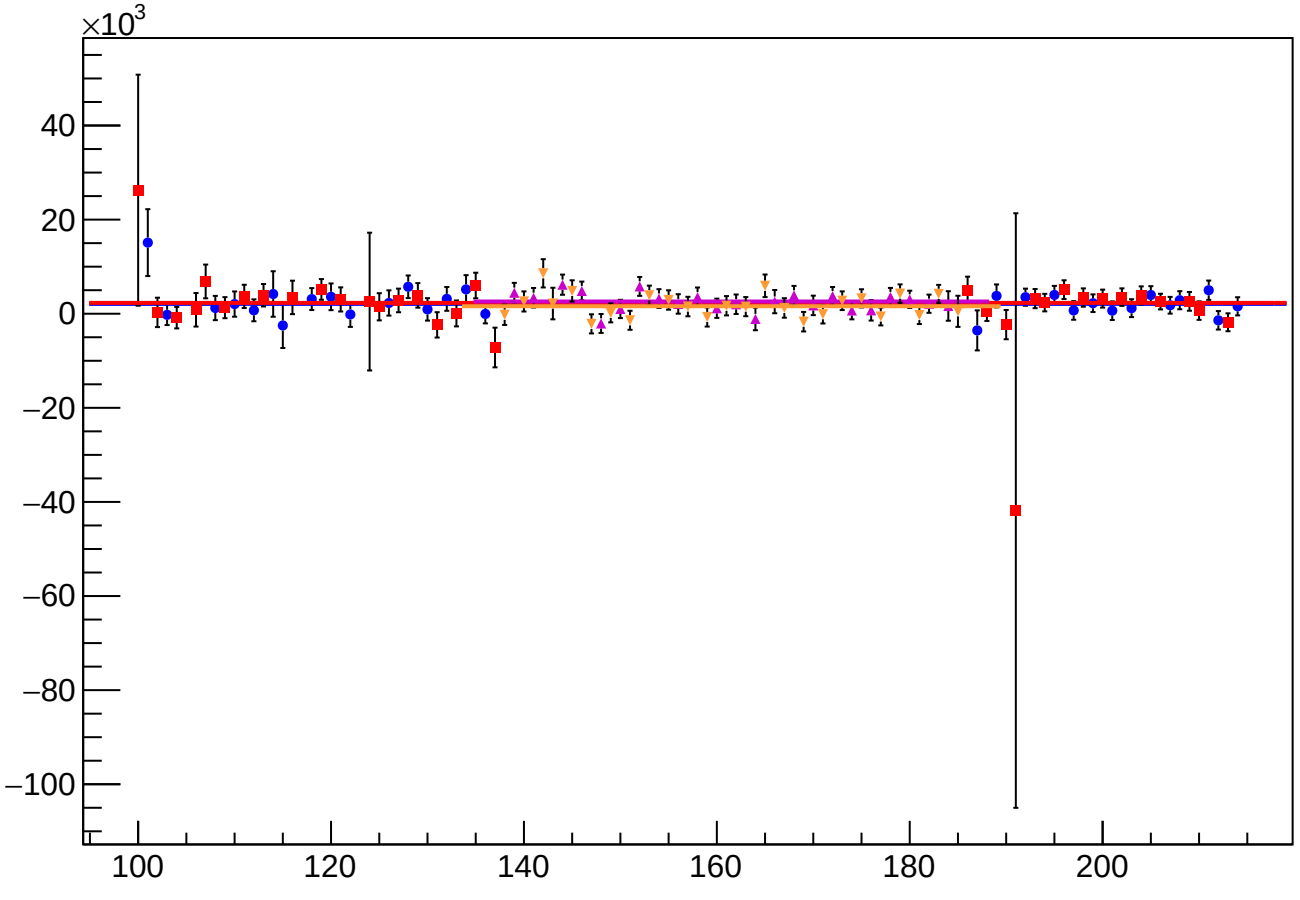
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2679.093+/-0.382 χ^2/NDF: 24517808.2/63

In: 4212.998+/-0.515 χ^2/NDF:5865202.2/52

Out: 2351.869+/-0.356 χ^2/NDF:32032629.7/58

All: 2952.559+/-0.293 χ^2/NDF: 46736513.1/1



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

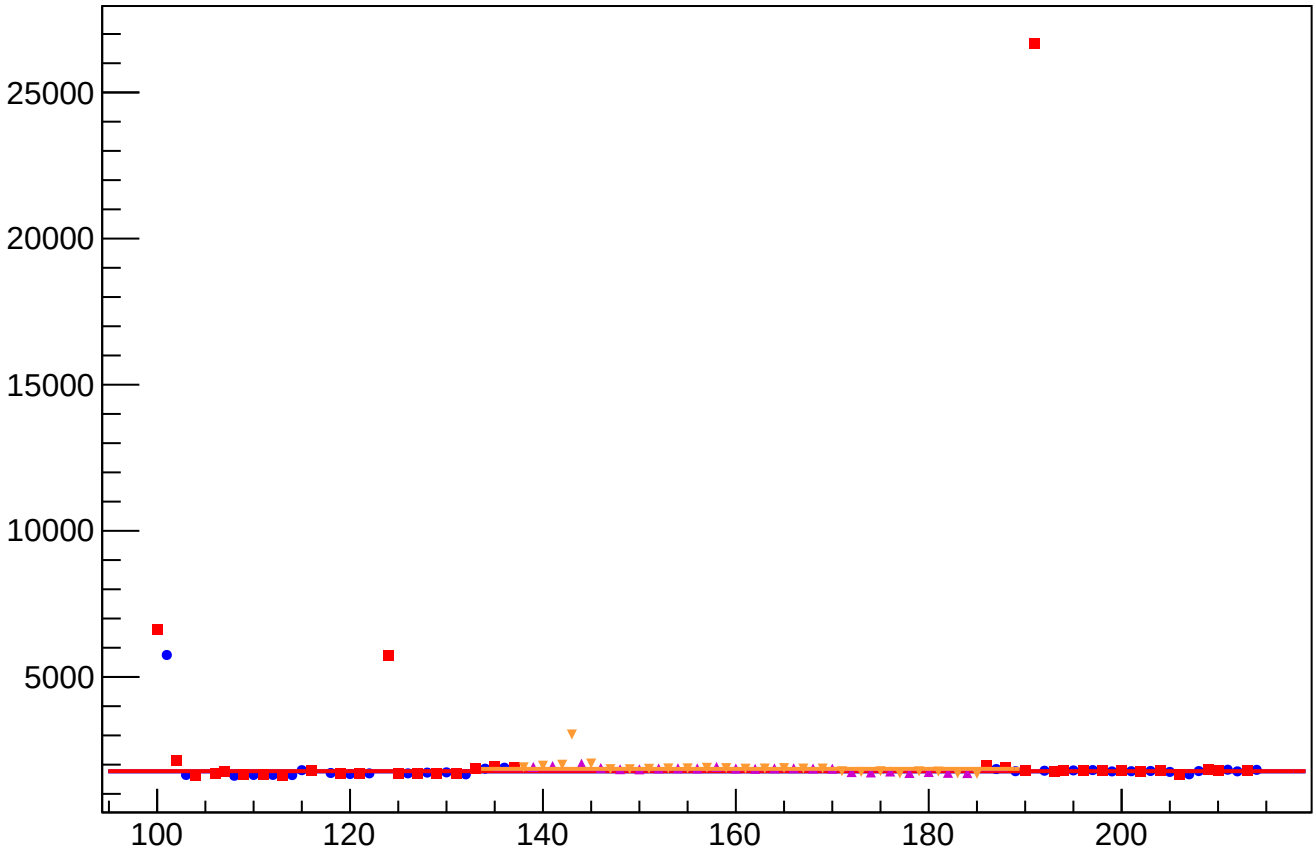
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2200.154+/-293.929 χ^2/NDF: 56.4/63

In: 2338.989+/-299.482 χ^2/NDF:44.5/52

Out: 1955.407+/-296.081 χ^2/NDF:65.4/58

All: 2145.007+/-210.553 χ^2/NDF: 110.6/111



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

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

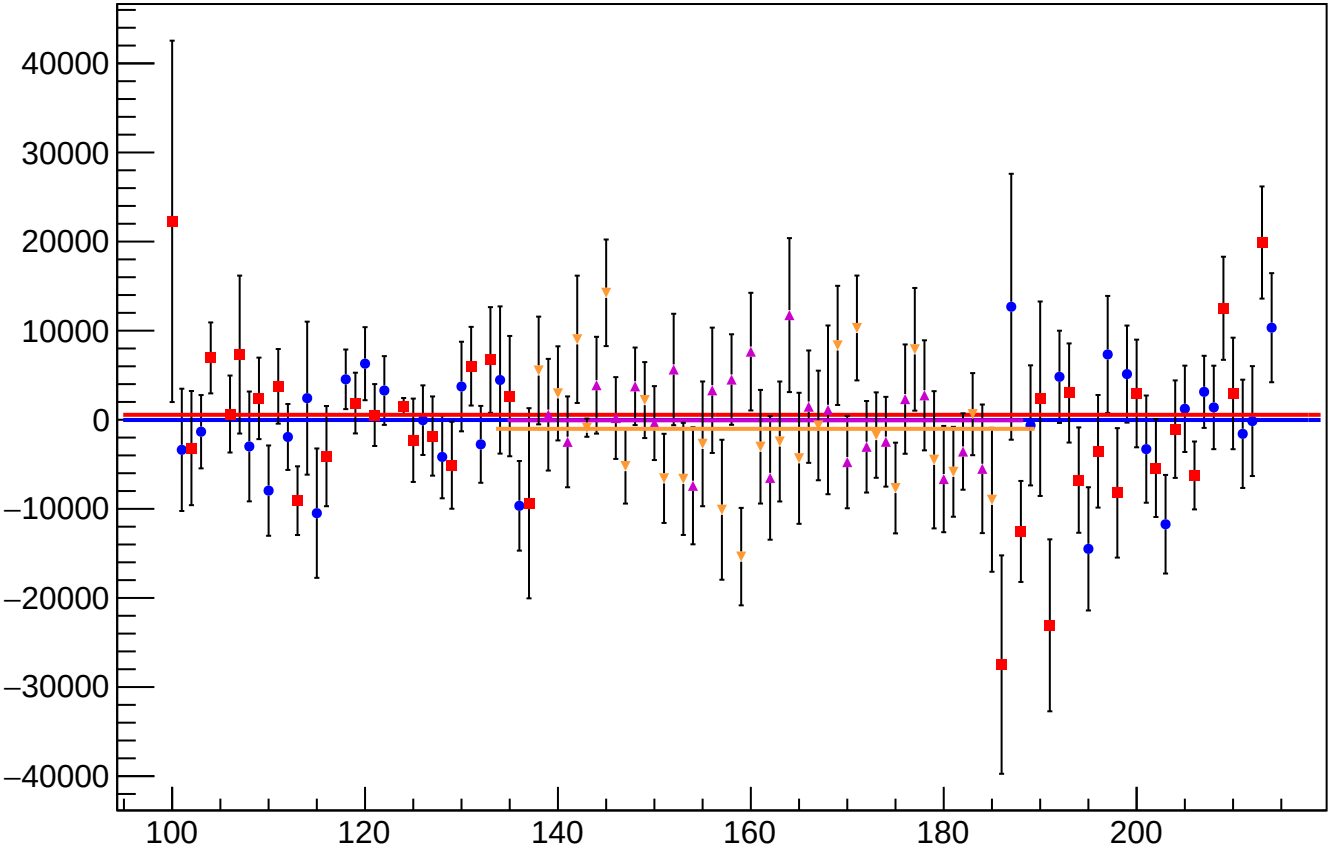
Right: 1772.440+/-0.208 χ^2/NDF: 1324787.5/63

In: 1803.384+/-0.212 χ^2/NDF:784984.6/52

Out: 1815.247+/-0.209 χ^2/NDF:999696.4/58

All: 1809.388+/-0.149 χ^2/NDF: 1786269.1/11

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

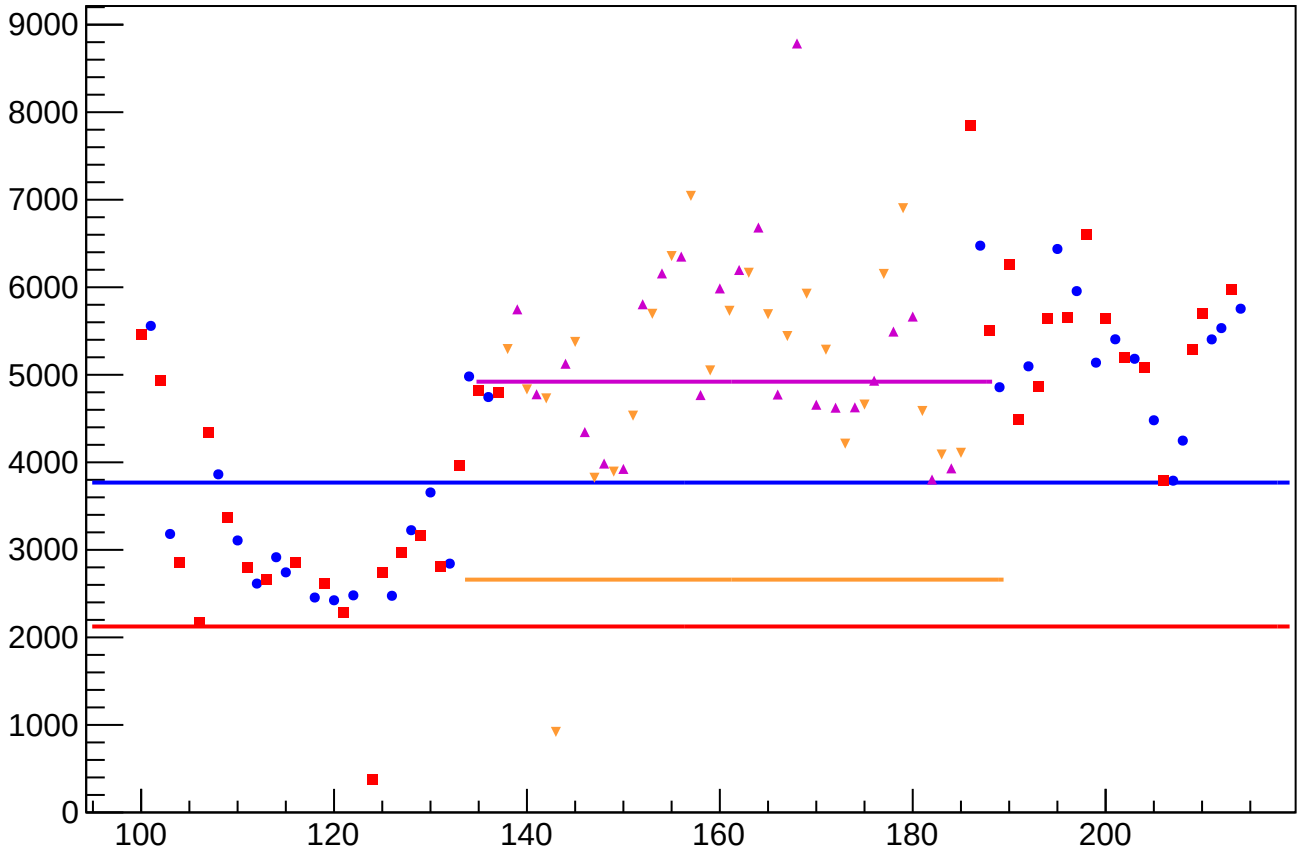
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 359.125+/-539.798 χ^2/NDF: 90.6/63

In: -41.727+/-728.568 χ^2/NDF:45.8/52

Out: -112.400+/-502.961 χ^2/NDF:93.8/58

All: -89.590+/-413.911 χ^2/NDF: 139.5/111



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

Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

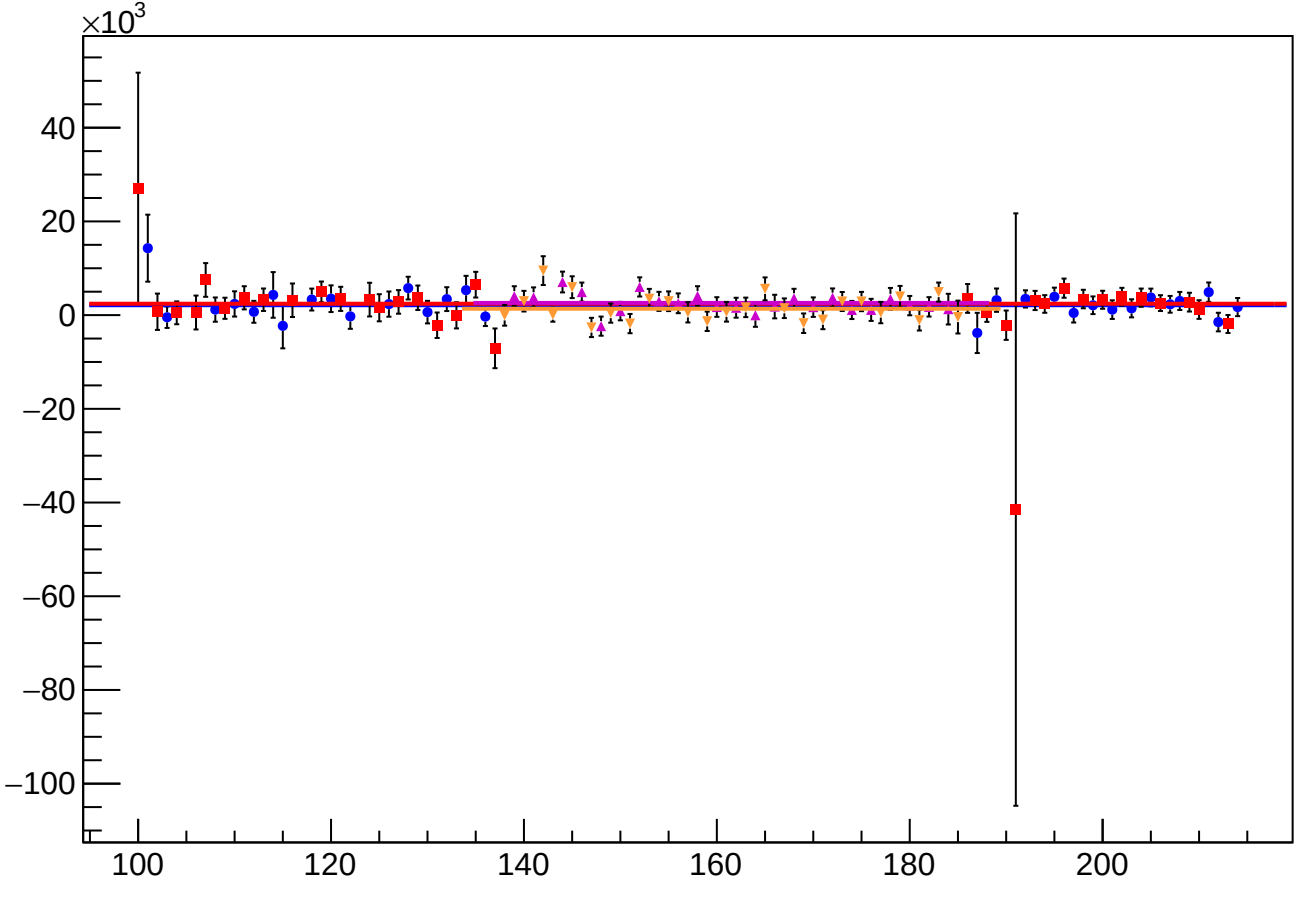
Right: 2679.093+/-0.382 χ^2/NDF: 24517808.2/63

In: 4212.998+/-0.515 χ^2/NDF:5865202.2/52

Out: 2351.869+/-0.356 χ^2/NDF:32032629.7/58

All: 2952.559+/-0.293 χ^2/NDF: 46736513.1/1

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

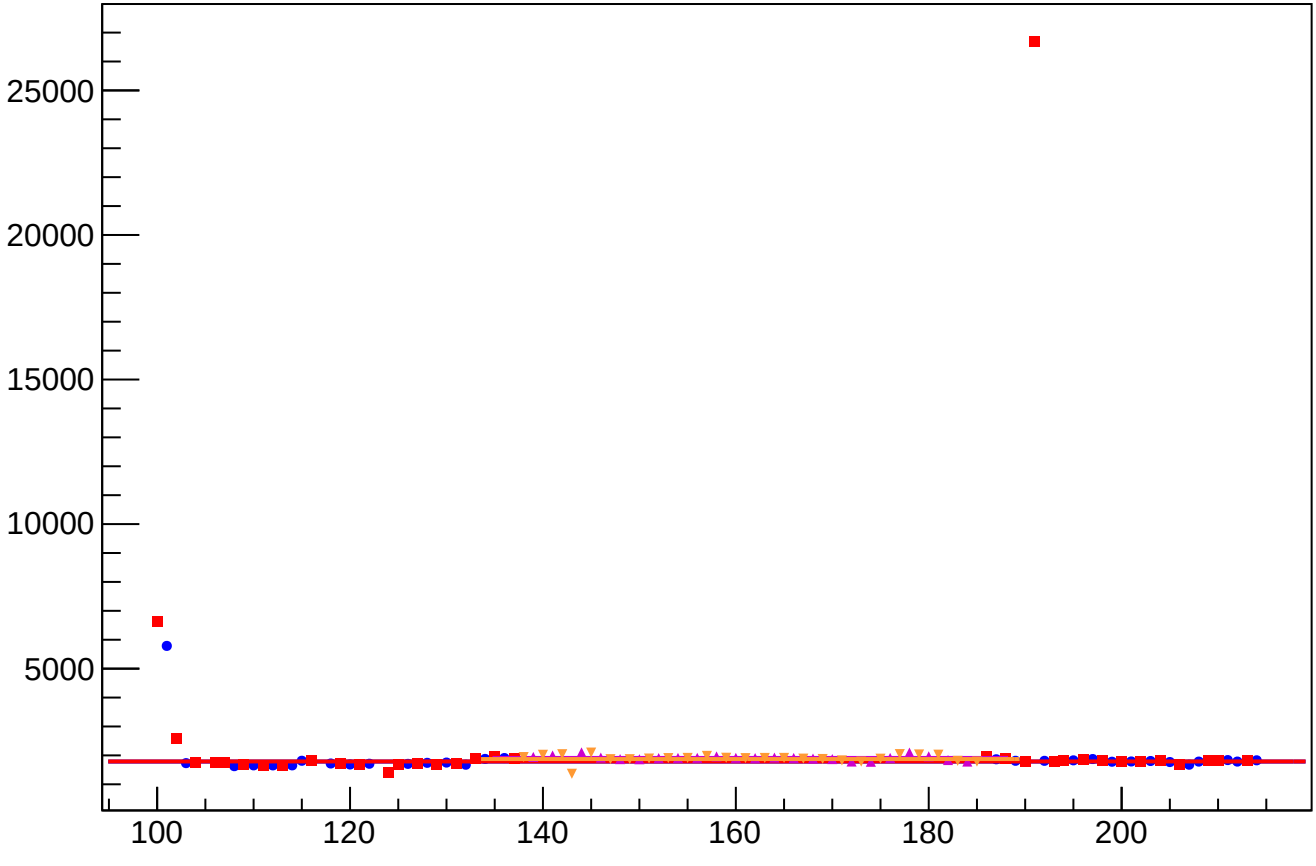
Right: 2273.037+/-296.537 χ^2/NDF: 54.4/63

In: 2343.889+/-306.526 χ^2/NDF:43.7/52

Out: 1909.246+/-298.598 χ^2/NDF:70.3/58

All: 2120.874+/-213.888 χ^2/NDF: 115.1/111

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

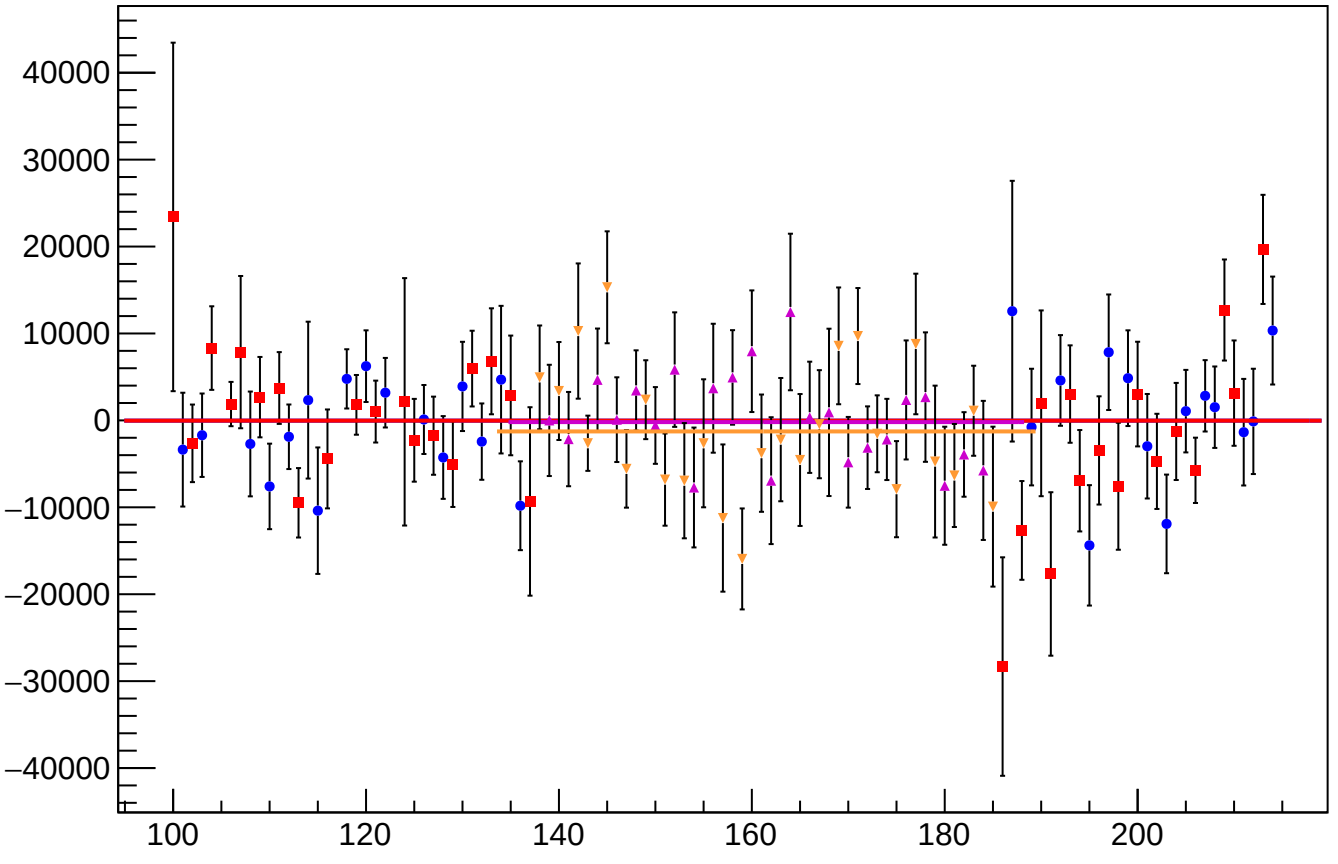
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1788.264+/-0.210 χ^2/NDF: 1247976.2/63

In: 1845.049+/-0.217 χ^2/NDF:827259.1/52

Out: 1830.812+/-0.211 χ^2/NDF:911271.8/58

All: 1837.740+/-0.151 χ^2/NDF: 1740745.6/11



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

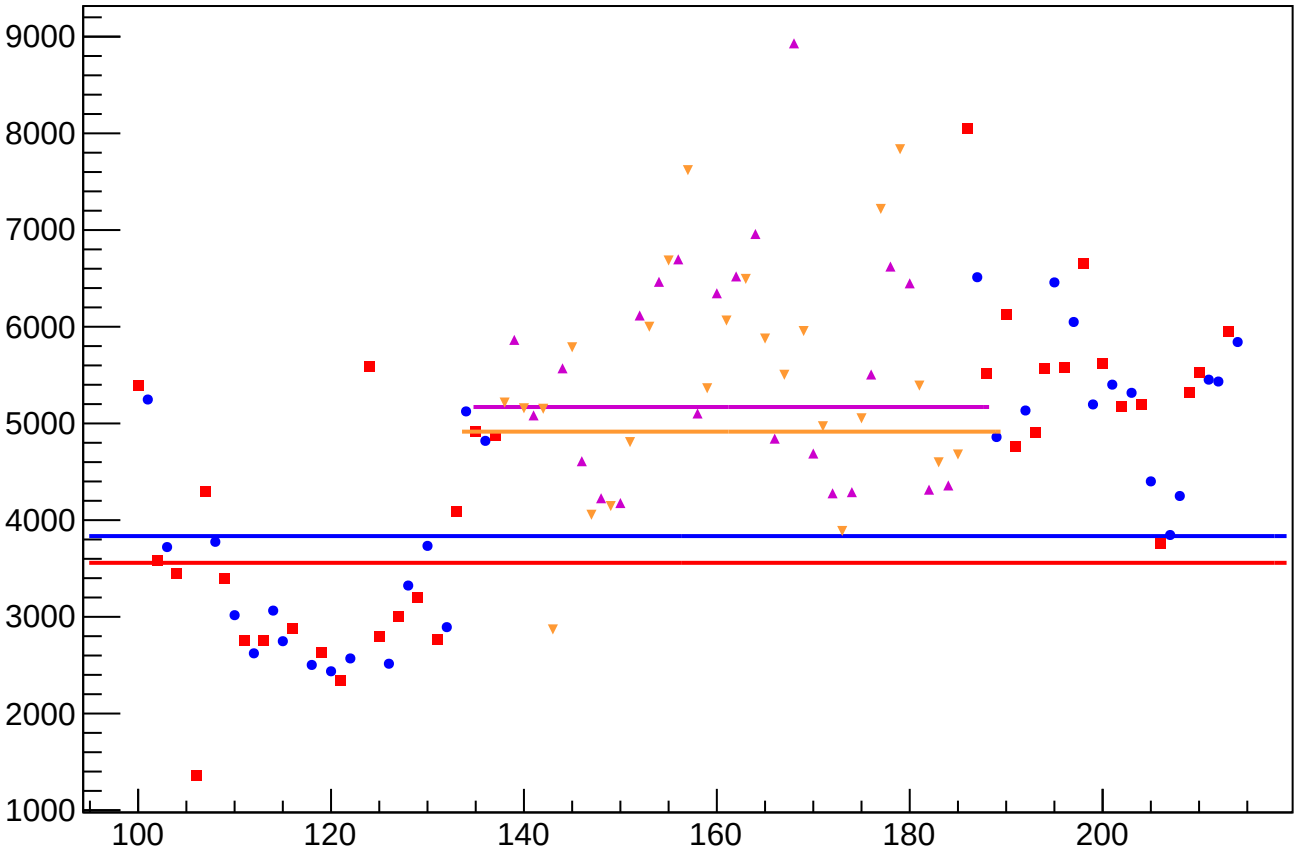
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -30.279+/-644.513 χ^2/NDF: 86.2/63

In: -91.435+/-749.537 χ^2/NDF:44.7/52

Out: -486.950+/-701.579 χ^2/NDF:88.4/58

All: -302.250+/-512.207 χ^2/NDF: 133.2/111



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

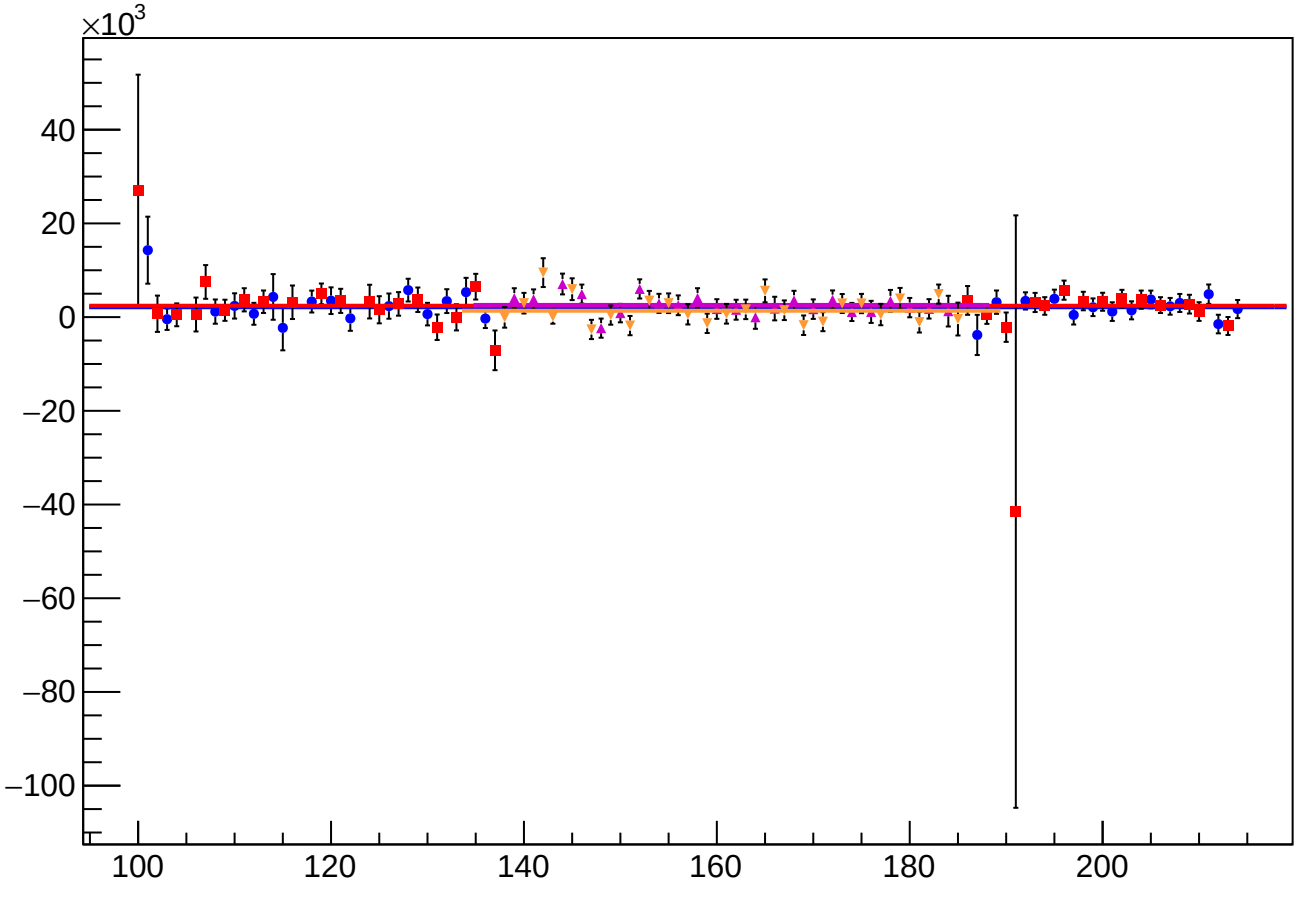
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3687.677+/-0.456 χ^2/NDF: 8620360.9/63

In: 4327.199+/-0.530 χ^2/NDF:6109129.2/52

Out: 4058.157+/-0.496 χ^2/NDF:9150794.1/58

All: 4183.796+/-0.362 χ^2/NDF: 15397271.2/1



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

Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

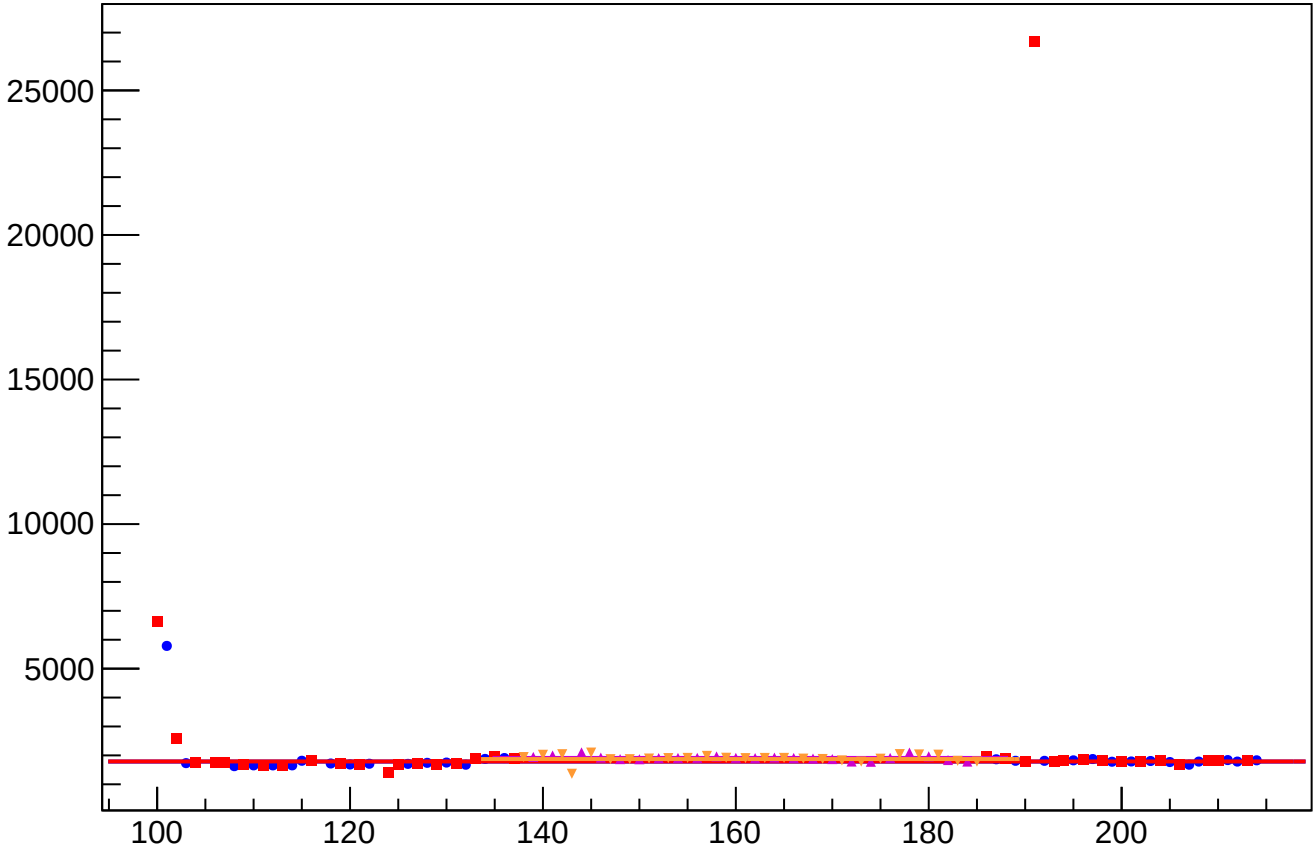
Right: 2273.036+/-296.537 χ^2/NDF: 54.4/63

In: 2343.889+/-306.526 χ^2/NDF:43.7/52

Out: 1909.243+/-298.598 χ^2/NDF:70.3/58

All: 2120.873+/-213.889 χ^2/NDF: 115.1/111

eigen_dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

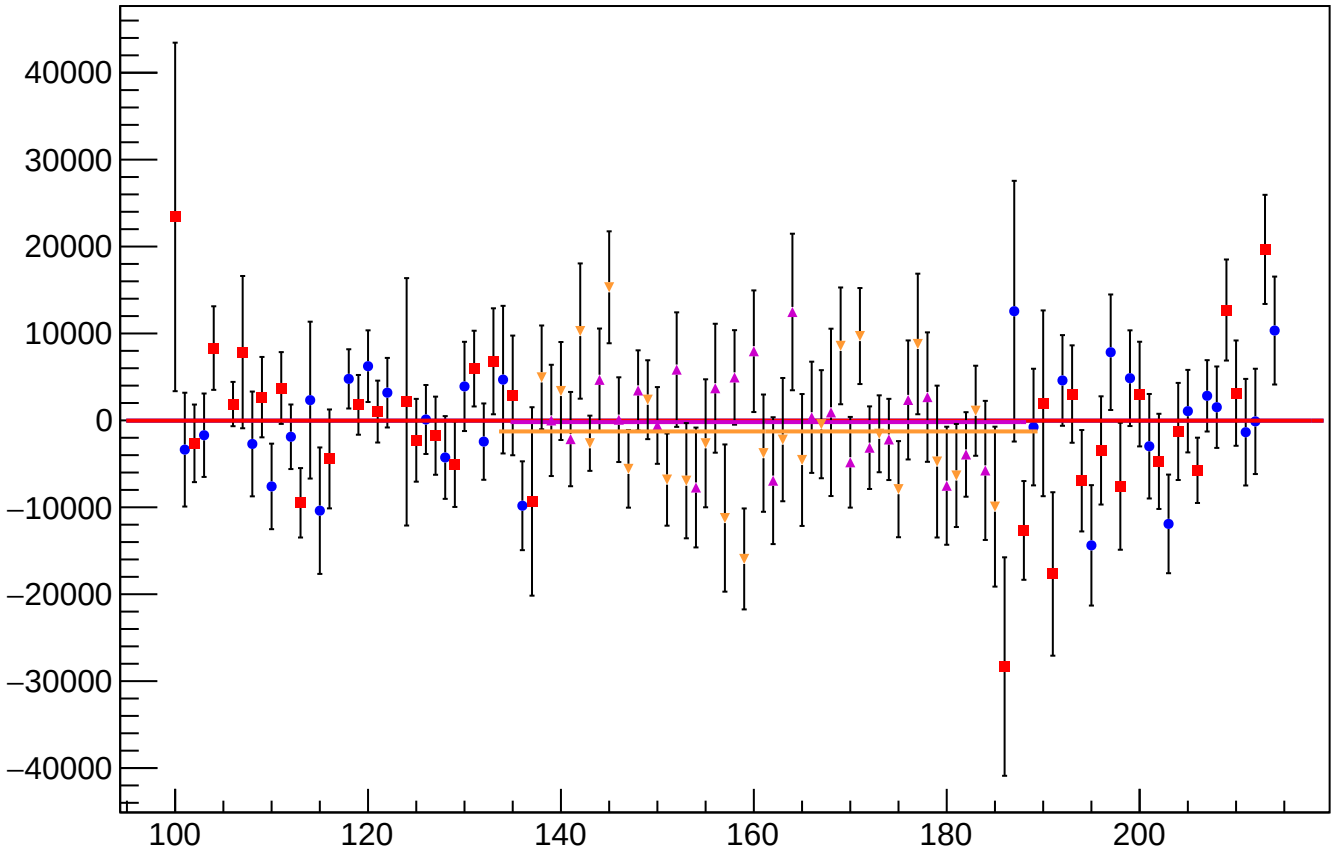
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1788.264+/-0.210 χ^2/NDF: 1247976.4/63

In: 1845.049+/-0.217 χ^2/NDF:827262.7/52

Out: 1830.813+/-0.211 χ^2/NDF:911276.4/58

All: 1837.740+/-0.151 χ^2/NDF: 1740753.9/11



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

Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

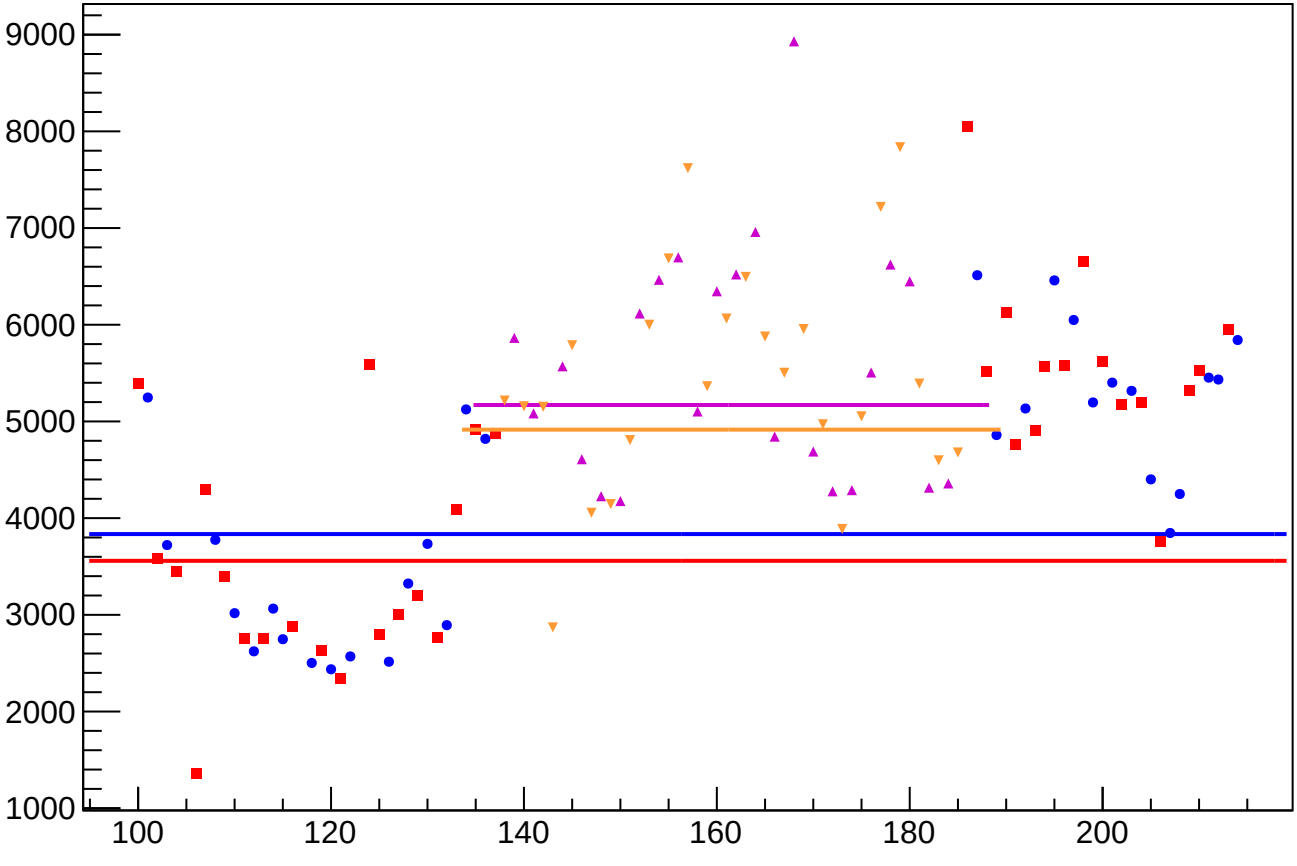
Right: -30.275+/-644.512 χ^2/NDF: 86.2/63

In: -91.433+/-749.537 χ^2/NDF:44.7/52

Out: -486.948+/-701.579 χ^2/NDF:88.4/58

All: -302.247+/-512.207 χ^2/NDF: 133.2/111

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

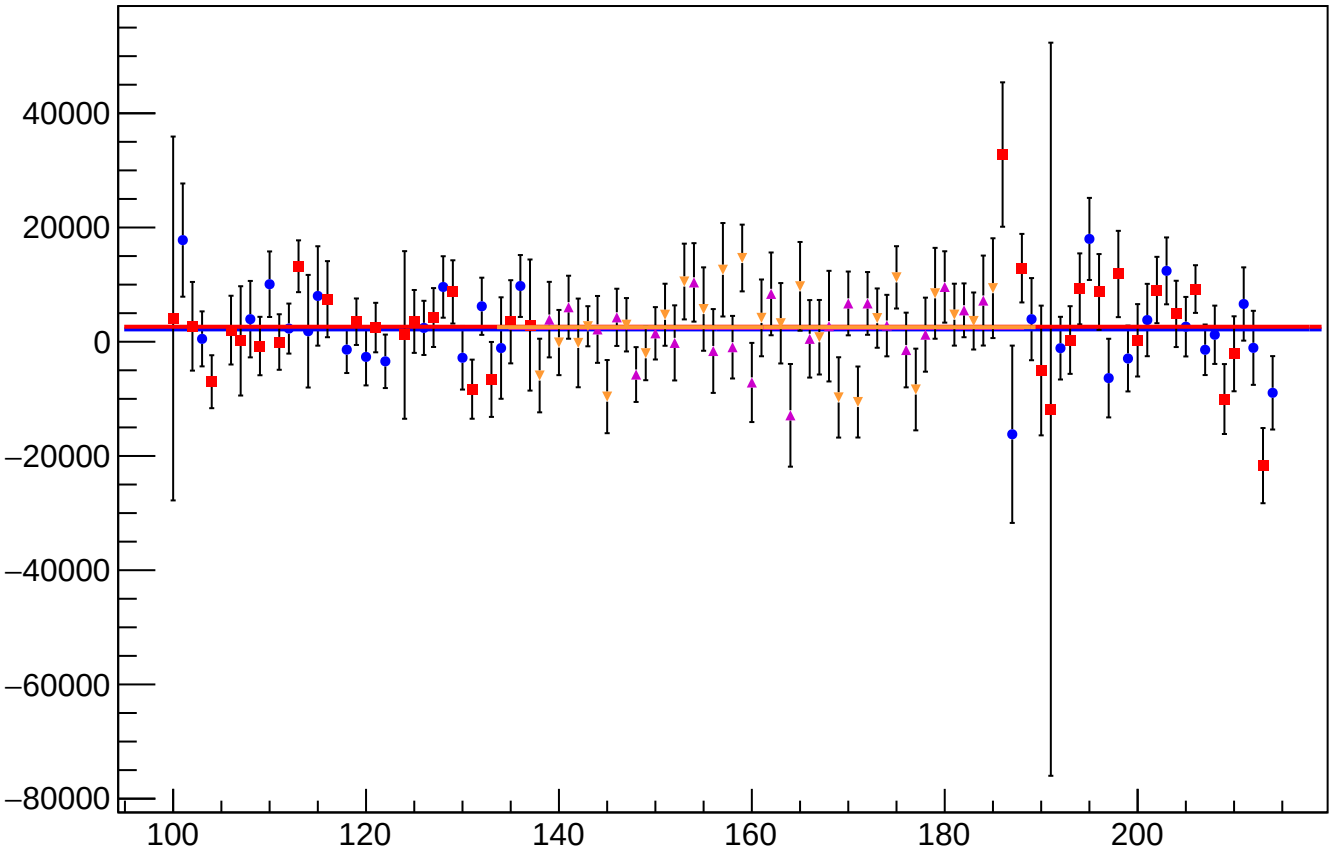
Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

Right: 3687.668+/-0.456 χ^2/NDF: 8620494.4/63

In: 4327.196+/-0.530 χ^2/NDF:6109215.2/52

Out: 4058.150+/-0.496 χ^2/NDF:9150922.7/58

All: 4183.791+/-0.362 χ^2/NDF: 15397489.9/1



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

Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

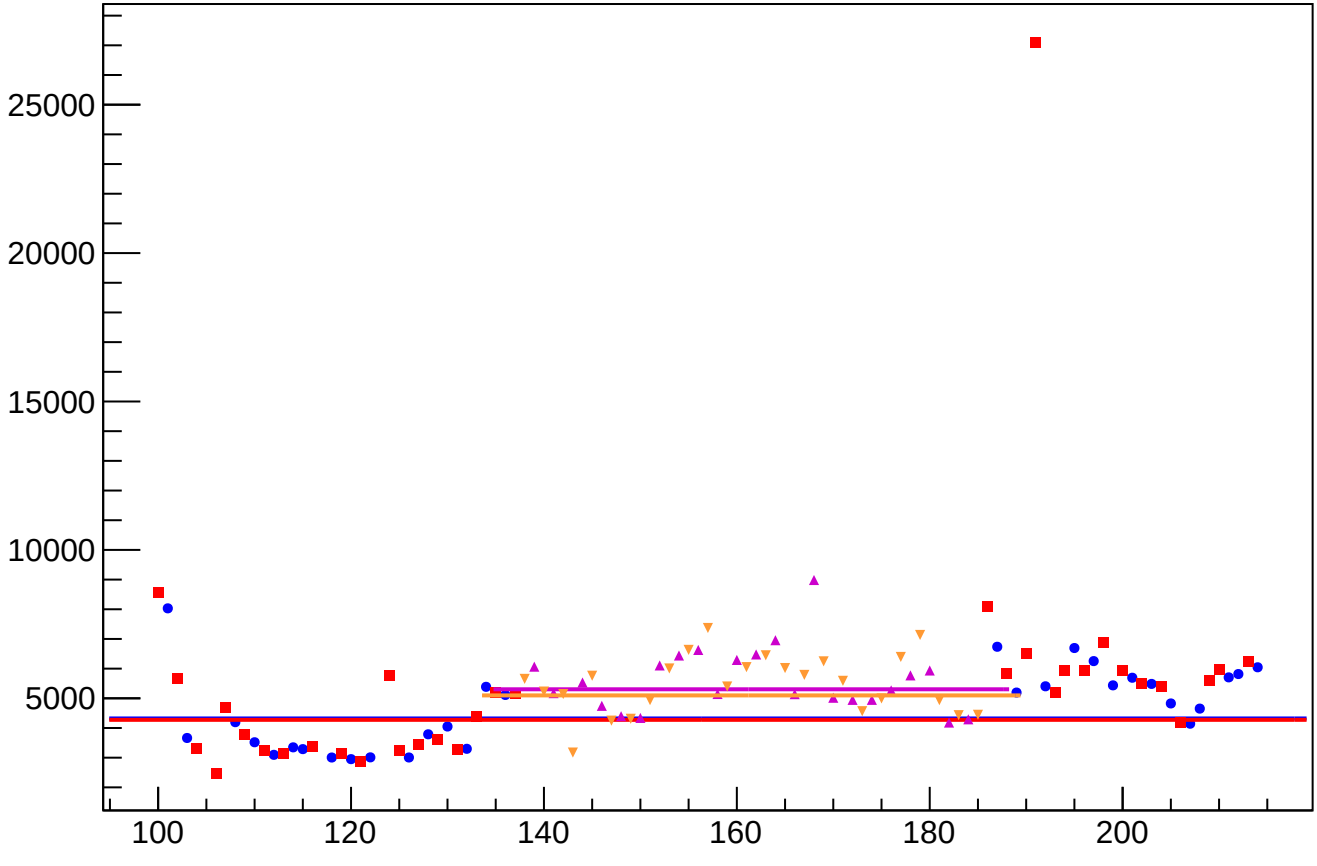
Right: 2394.631+/-741.417 χ^2/NDF: 84.4/63

In: 2267.854+/-807.030 χ^2/NDF:45.2/52

Out: 2592.181+/-784.961 χ^2/NDF:83.2/58

All: 2434.513+/-562.691 χ^2/NDF: 128.5/111

asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

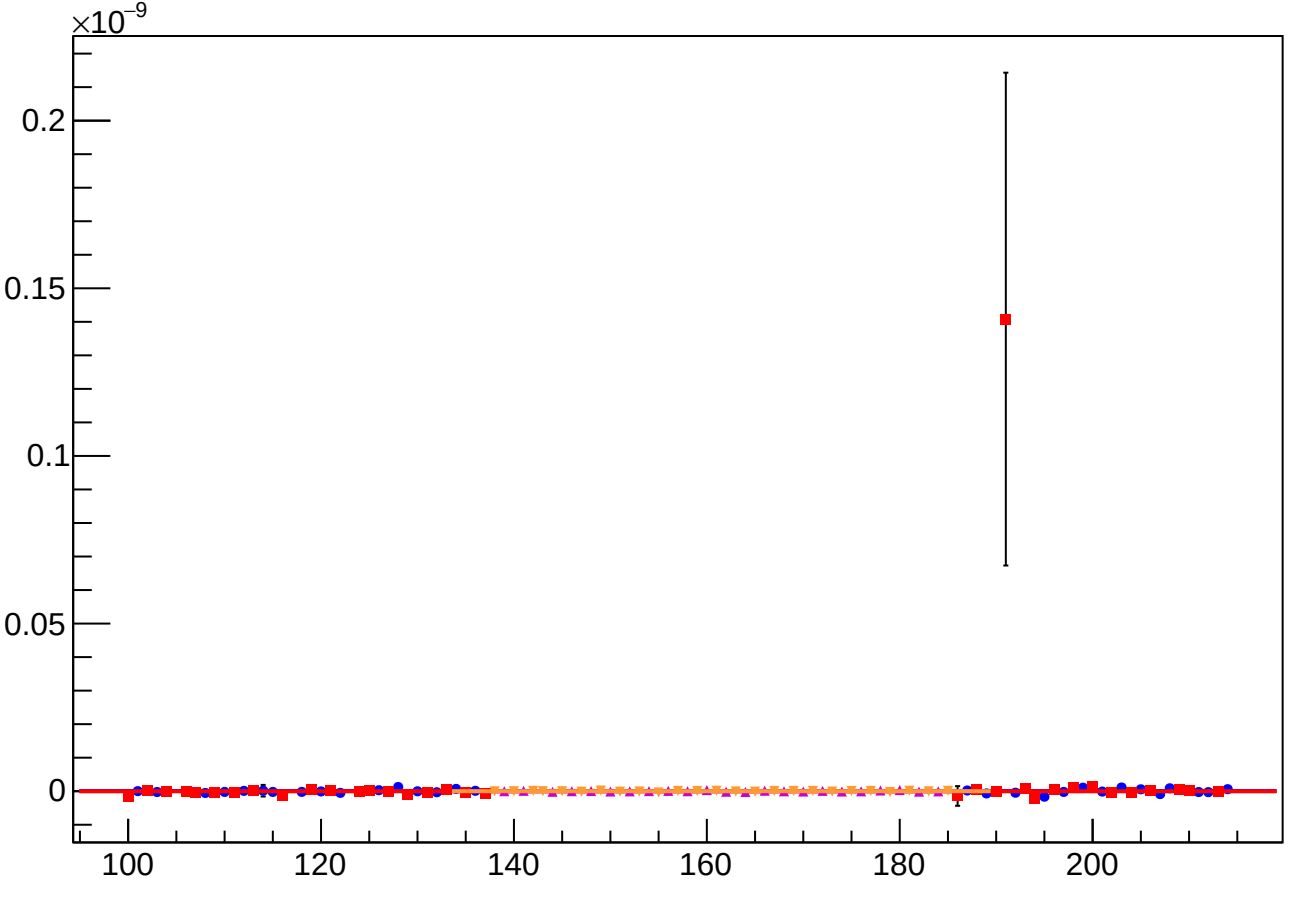
Left: 5195.024+/-0.611 χ^2/NDF: 2590724.7/47

Right: 4297.714+/-0.522 χ^2/NDF: 5902985.9/63

In: 4724.585+/-0.571 χ^2/NDF:4298999.9/52

Out: 4630.693+/-0.552 χ^2/NDF:5427890.4/58

All: 4676.086+/-0.397 χ^2/NDF: 9740873.7/11



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

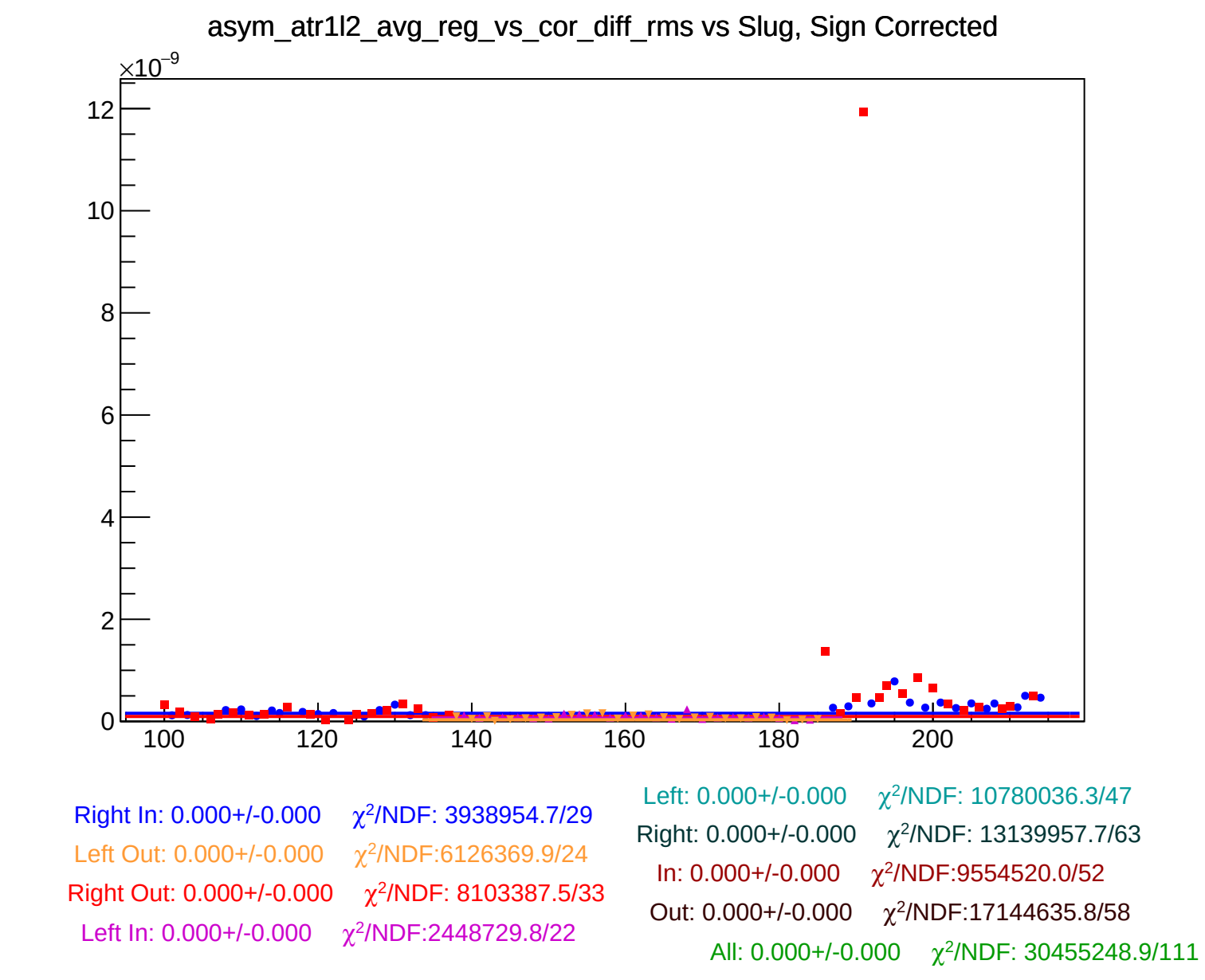
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

Right: 0.000+/-0.000 χ^2/NDF: 79.3/63

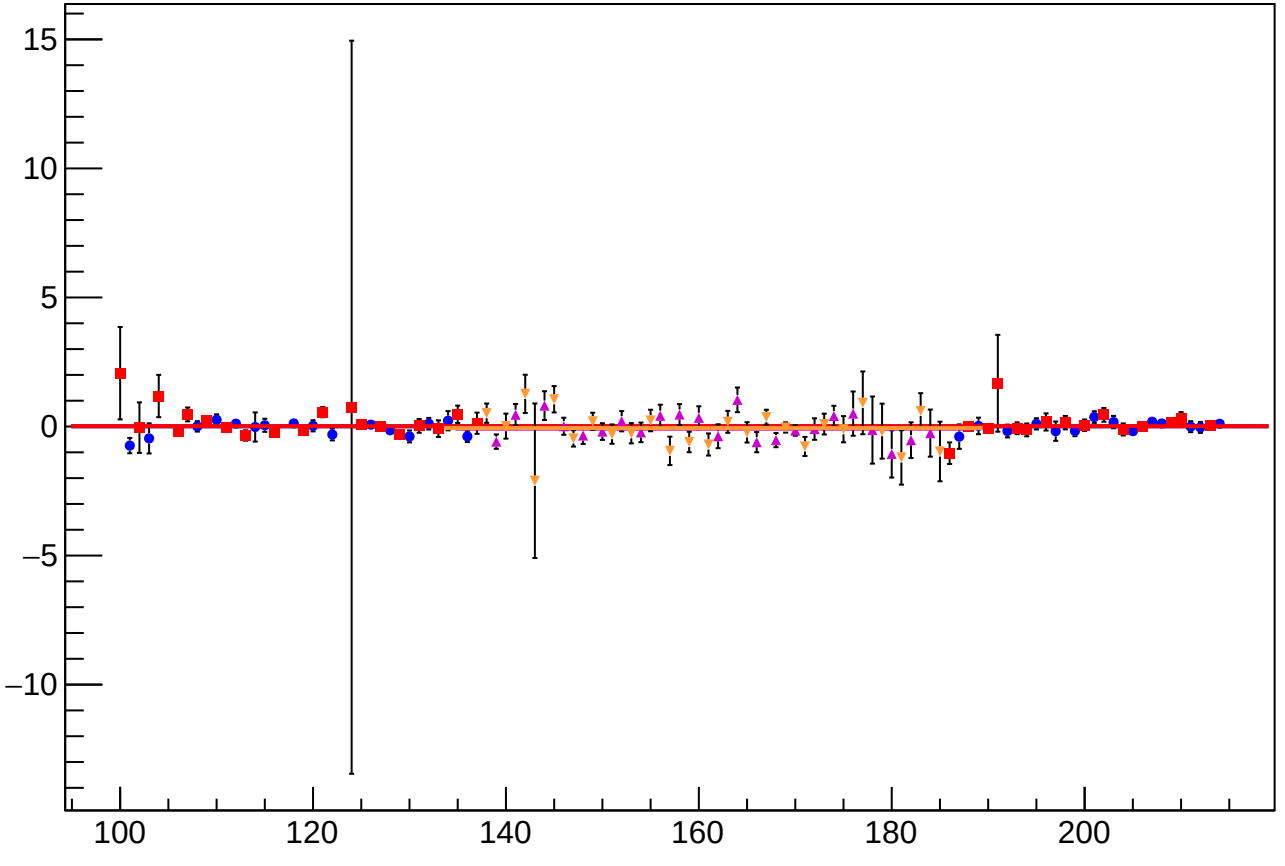
In: 0.000+/-0.000 χ^2/NDF:61.0/52

Out: 0.000+/-0.000 χ^2/NDF:56.5/58

All: 0.000+/-0.000 χ^2/NDF: 117.5/111


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3938954.7/29
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 8103387.5/33
Left In: 0.000+/-0.000 χ²/NDF:2448729.8/22
Left: 0.000+/-0.000 χ²/NDF: 10780036.3/47
Right: 0.000+/-0.000 χ²/NDF: 13139957.7/63
In: 0.000+/-0.000 χ²/NDF:9554520.0/52
Out: 0.000+/-0.000 χ²/NDF:17144635.8/58
All: 0.000+/-0.000 χ²/NDF: 30455248.9/111

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

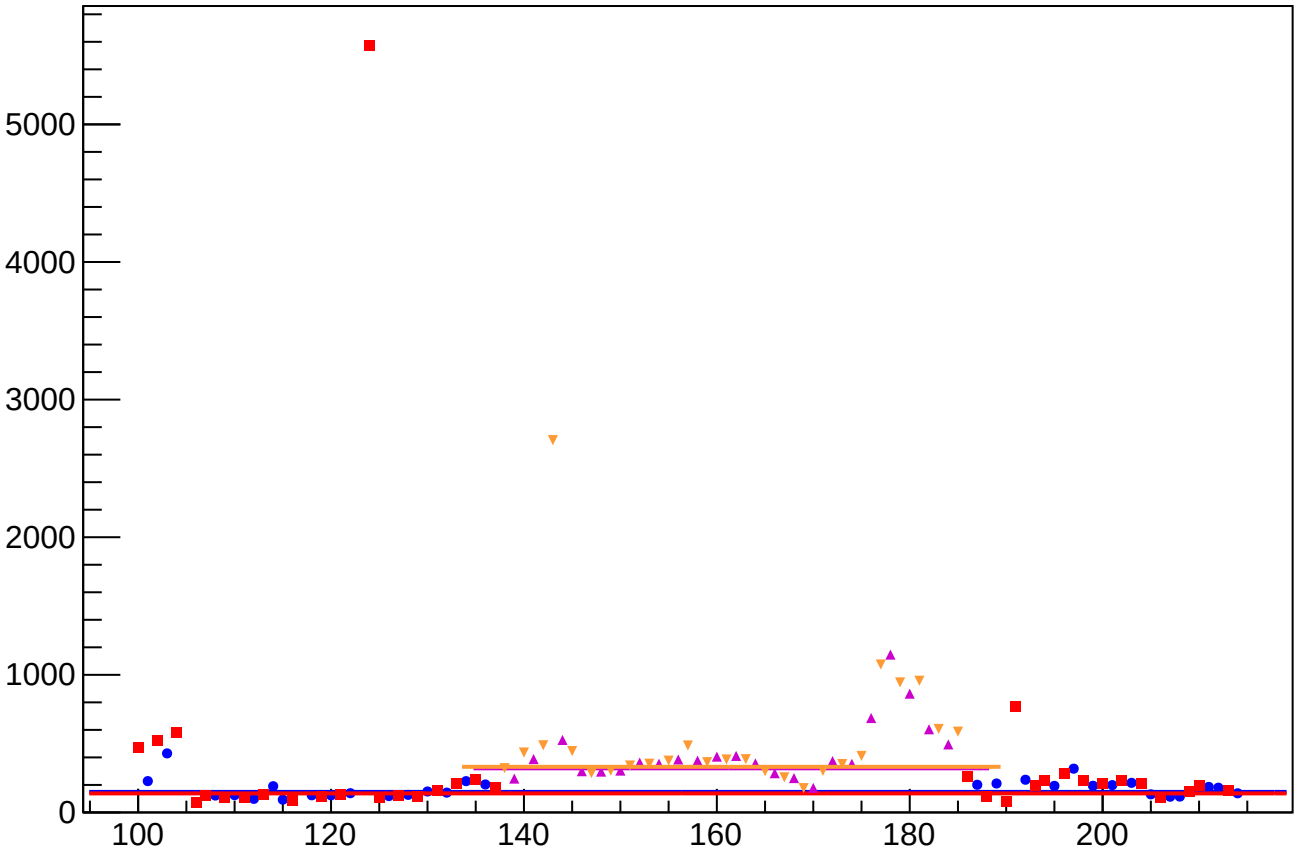
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: 0.010+/-0.026 χ^2/NDF: 71.6/63

In: -0.009+/-0.035 χ^2/NDF:56.6/52

Out: 0.001+/-0.033 χ^2/NDF:74.4/58

All: -0.004+/-0.024 χ^2/NDF: 131.1/111



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

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

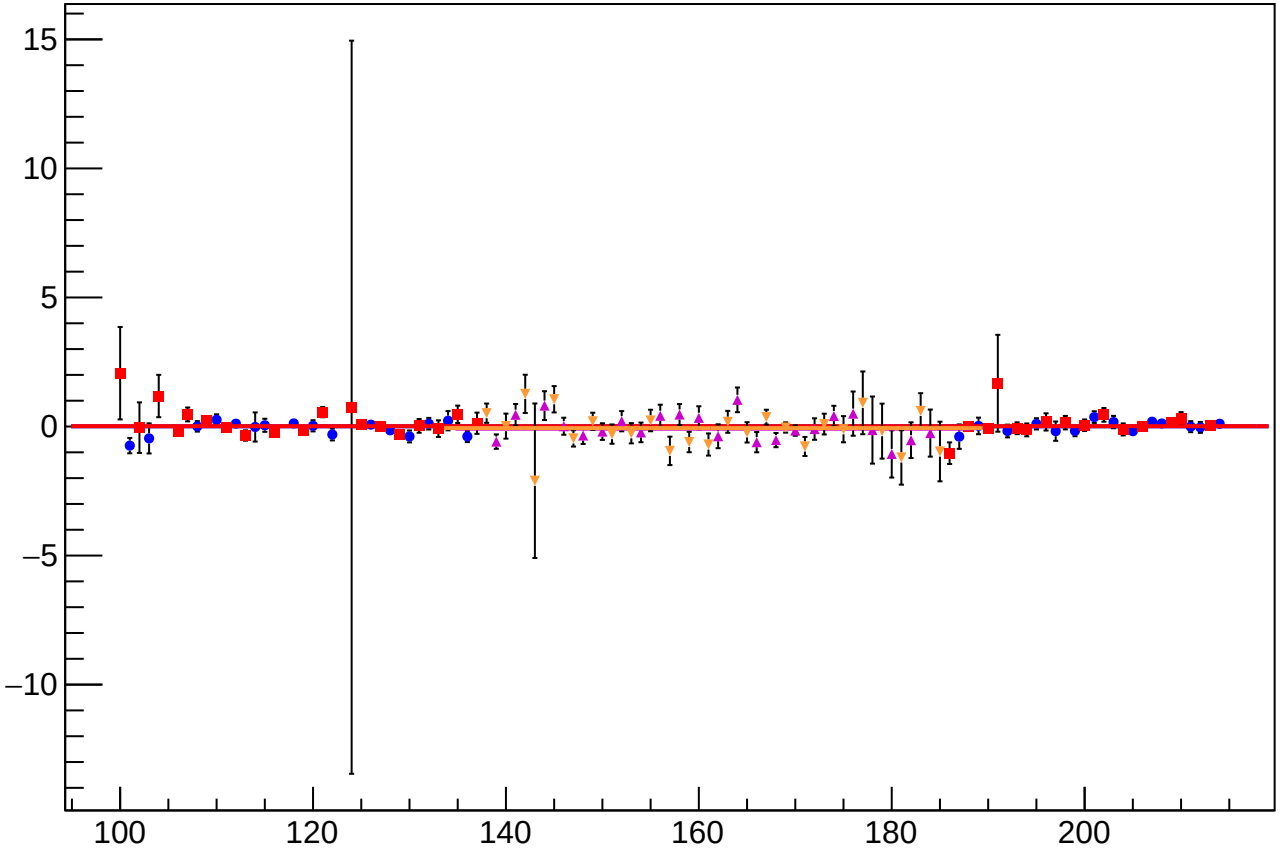
Right: 143.607+/-0.019 χ^2/NDF: 8138090.3/63

In: 180.361+/-0.024 χ^2/NDF:14516509.6/52

Out: 169.117+/-0.024 χ^2/NDF:19900432.3/58

All: 174.538+/-0.017 χ^2/NDF: 34526642.2/11

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

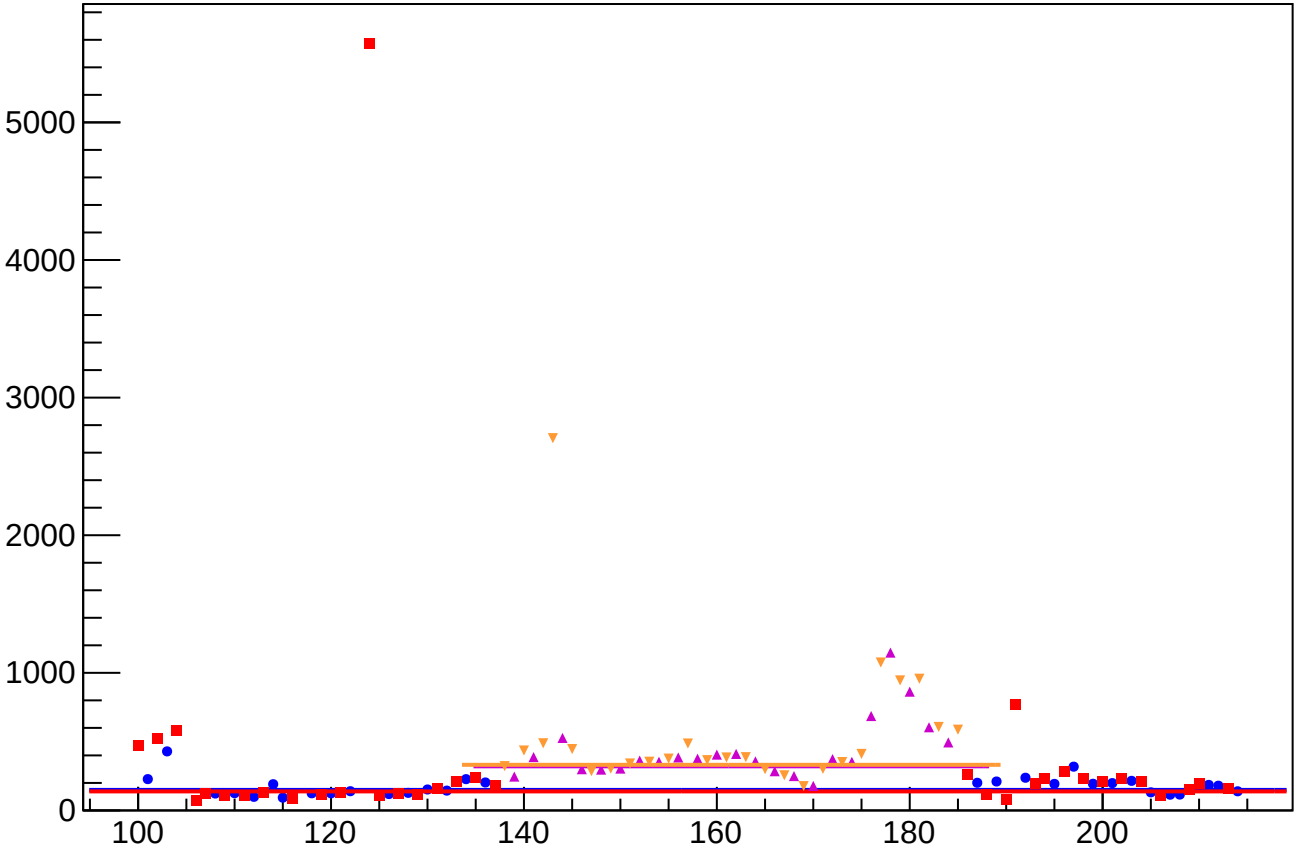
Right: 0.010+/-0.026 χ^2/NDF: 71.6/63

In: -0.009+/-0.035 χ^2/NDF:56.6/52

Out: 0.001+/-0.033 χ^2/NDF:74.4/58

All: -0.004+/-0.024 χ^2/NDF: 131.1/111

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

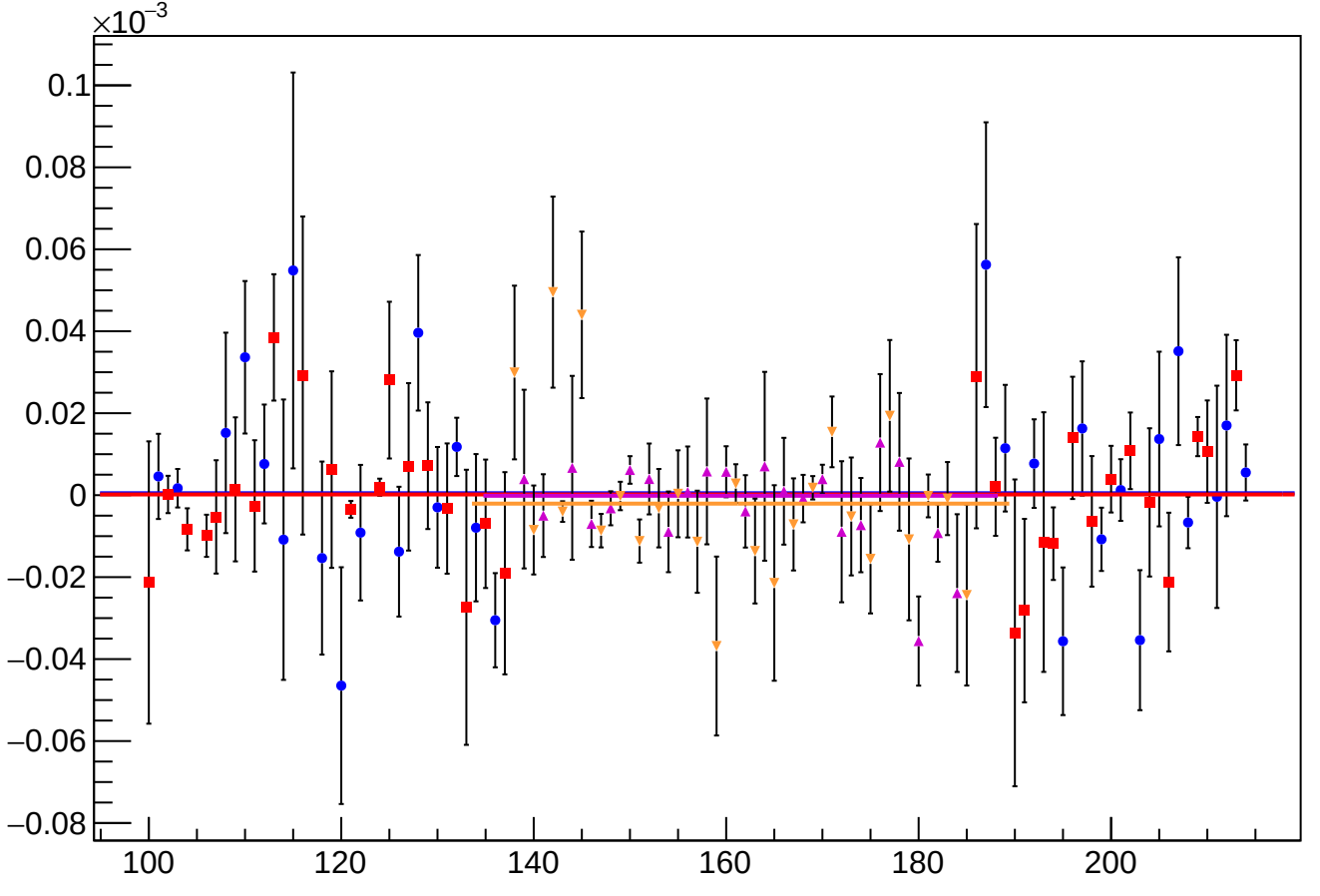
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 143.607+/-0.019 χ^2/NDF: 8138090.3/63

In: 180.361+/-0.024 χ^2/NDF:14516509.6/52

Out: 169.117+/-0.024 χ^2/NDF:19900432.3/58

All: 174.538+/-0.017 χ^2/NDF: 34526642.2/11



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

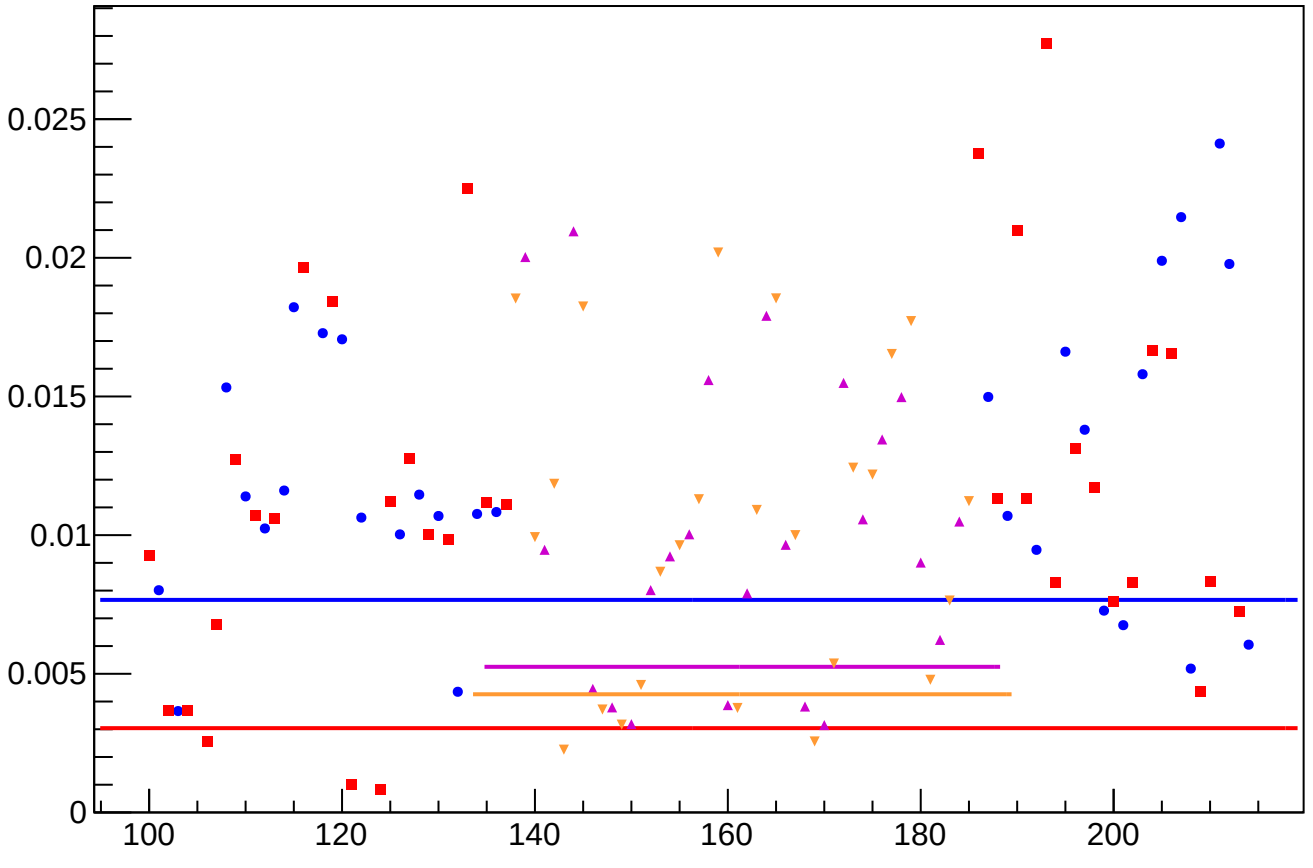
Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

Right: 0.000+/-0.000 χ^2/NDF: 96.0/63

In: 0.000+/-0.000 χ^2/NDF:69.0/52

Out: -0.000+/-0.000 χ^2/NDF:88.5/58

All: -0.000+/-0.000 χ^2/NDF: 157.9/111



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

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

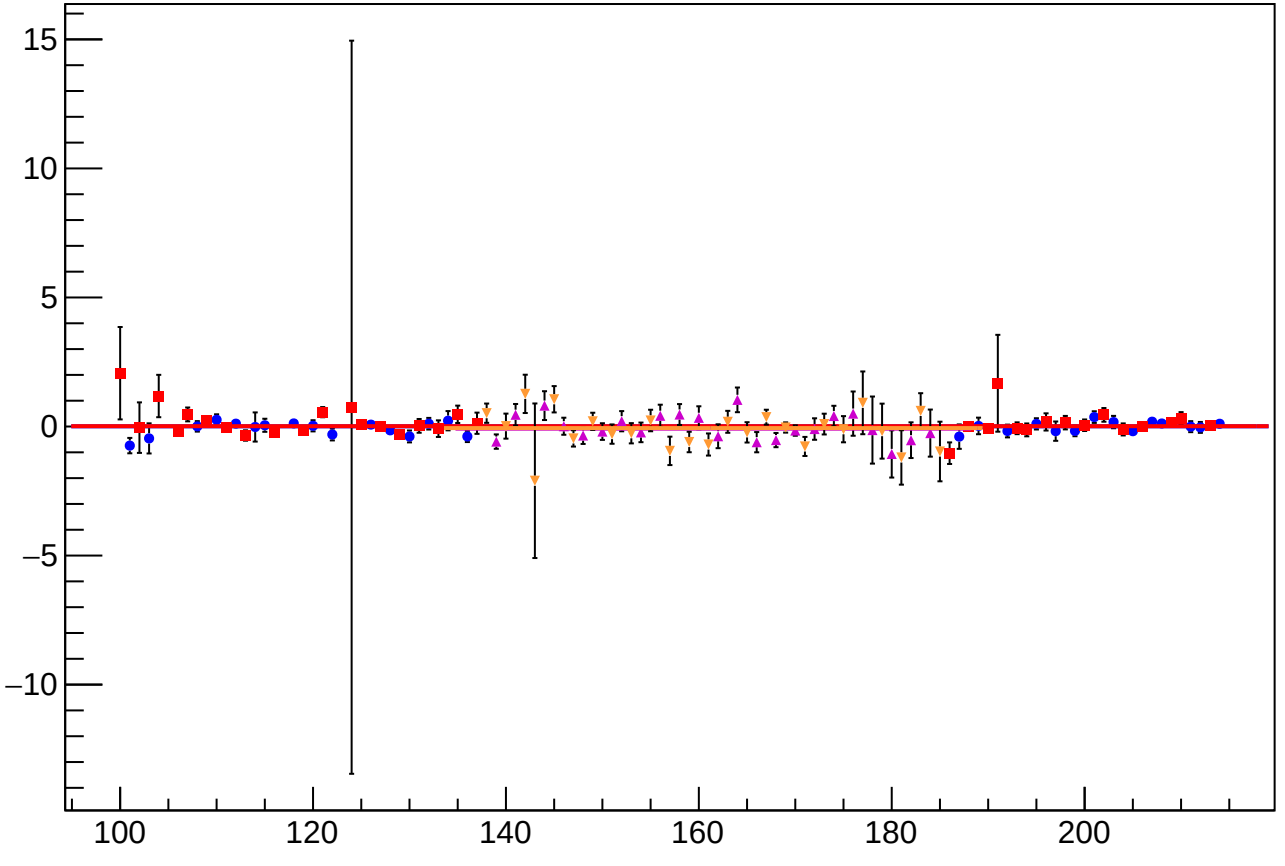
Right: 0.004+/-0.000 χ^2/NDF: 36170900.2/63

In: 0.006+/-0.000 χ^2/NDF:19270603.2/52

Out: 0.004+/-0.000 χ^2/NDF:34714241.1/58

All: 0.004+/-0.000 χ^2/NDF: 59506099.5/111

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

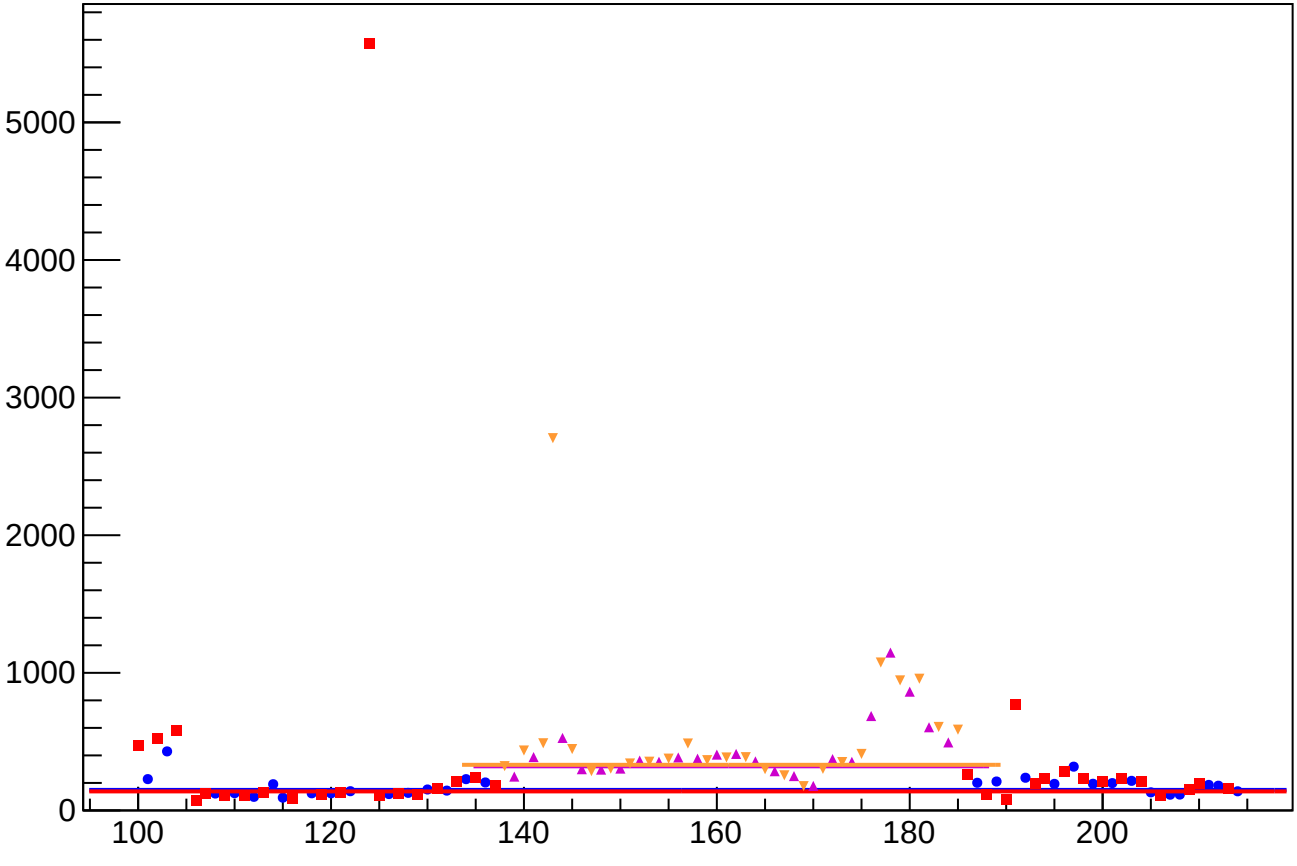
Right: 0.010+/-0.026 χ^2/NDF: 71.6/63

In: -0.009+/-0.035 χ^2/NDF:56.6/52

Out: 0.001+/-0.033 χ^2/NDF:74.4/58

All: -0.004+/-0.024 χ^2/NDF: 131.1/111

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

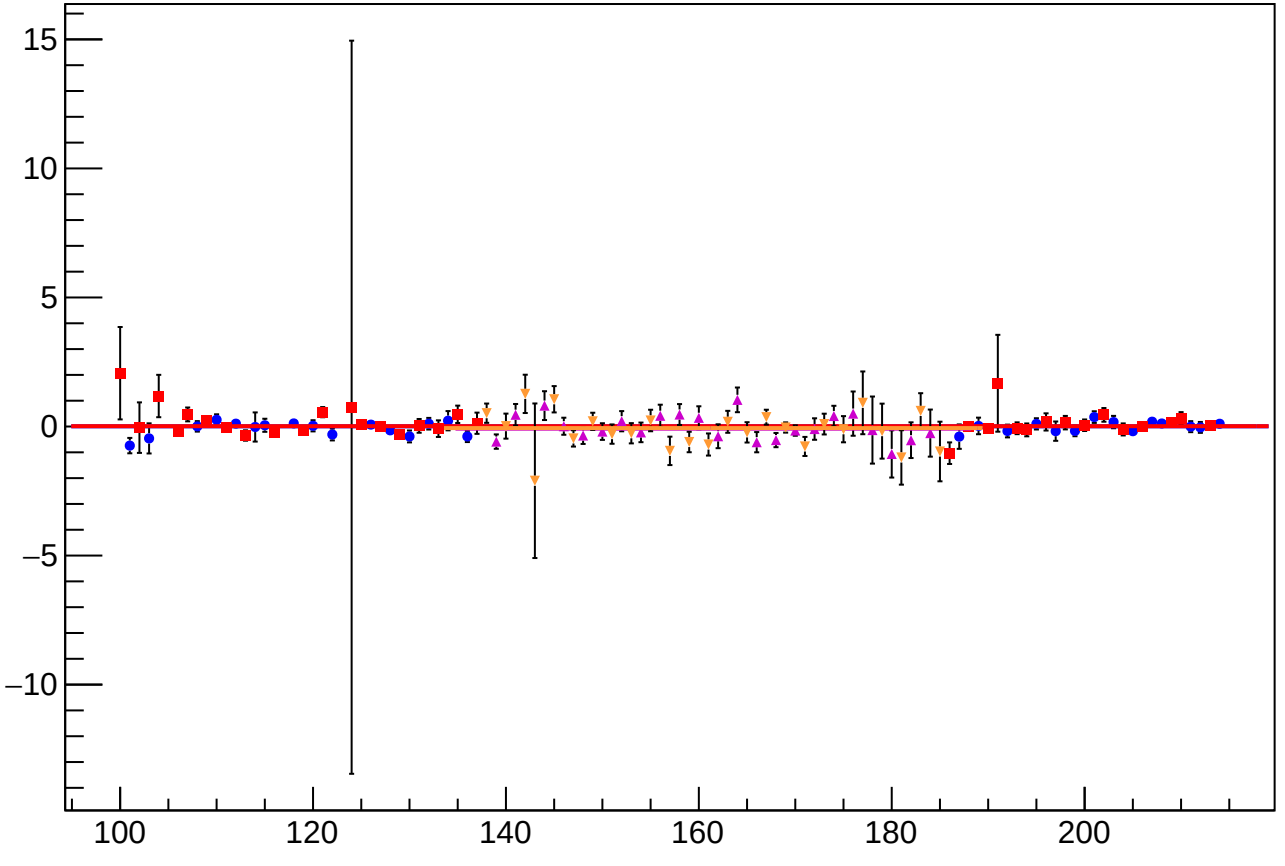
Right: 143.607+/-0.019 χ^2/NDF: 8138107.3/63

In: 180.362+/-0.024 χ^2/NDF:14516598.6/52

Out: 169.117+/-0.024 χ^2/NDF:19900678.9/58

All: 174.538+/-0.017 χ^2/NDF: 34527000.6/11

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

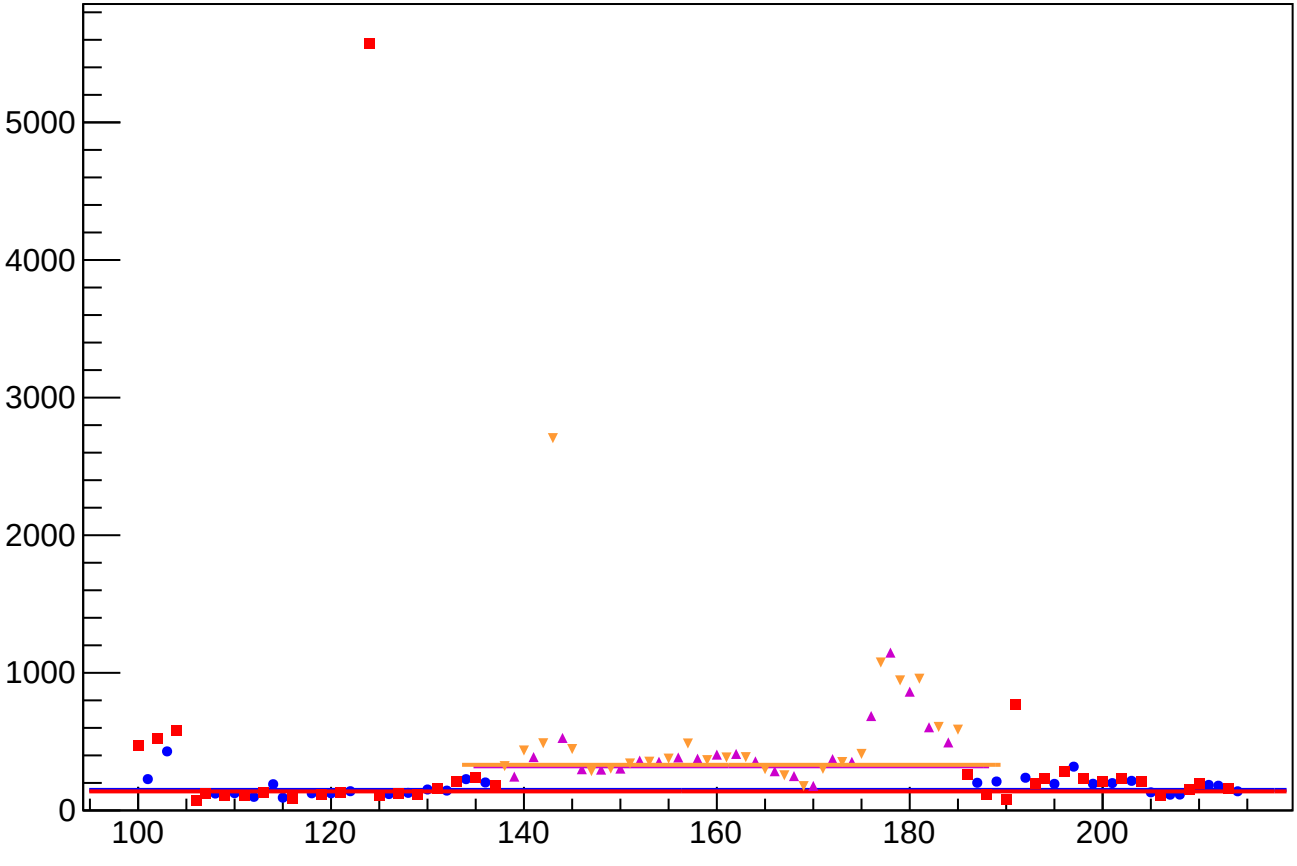
Right: 0.010+/-0.026 χ^2/NDF: 71.6/63

In: -0.009+/-0.035 χ^2/NDF:56.6/52

Out: 0.001+/-0.033 χ^2/NDF:74.4/58

All: -0.004+/-0.024 χ^2/NDF: 131.1/111

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

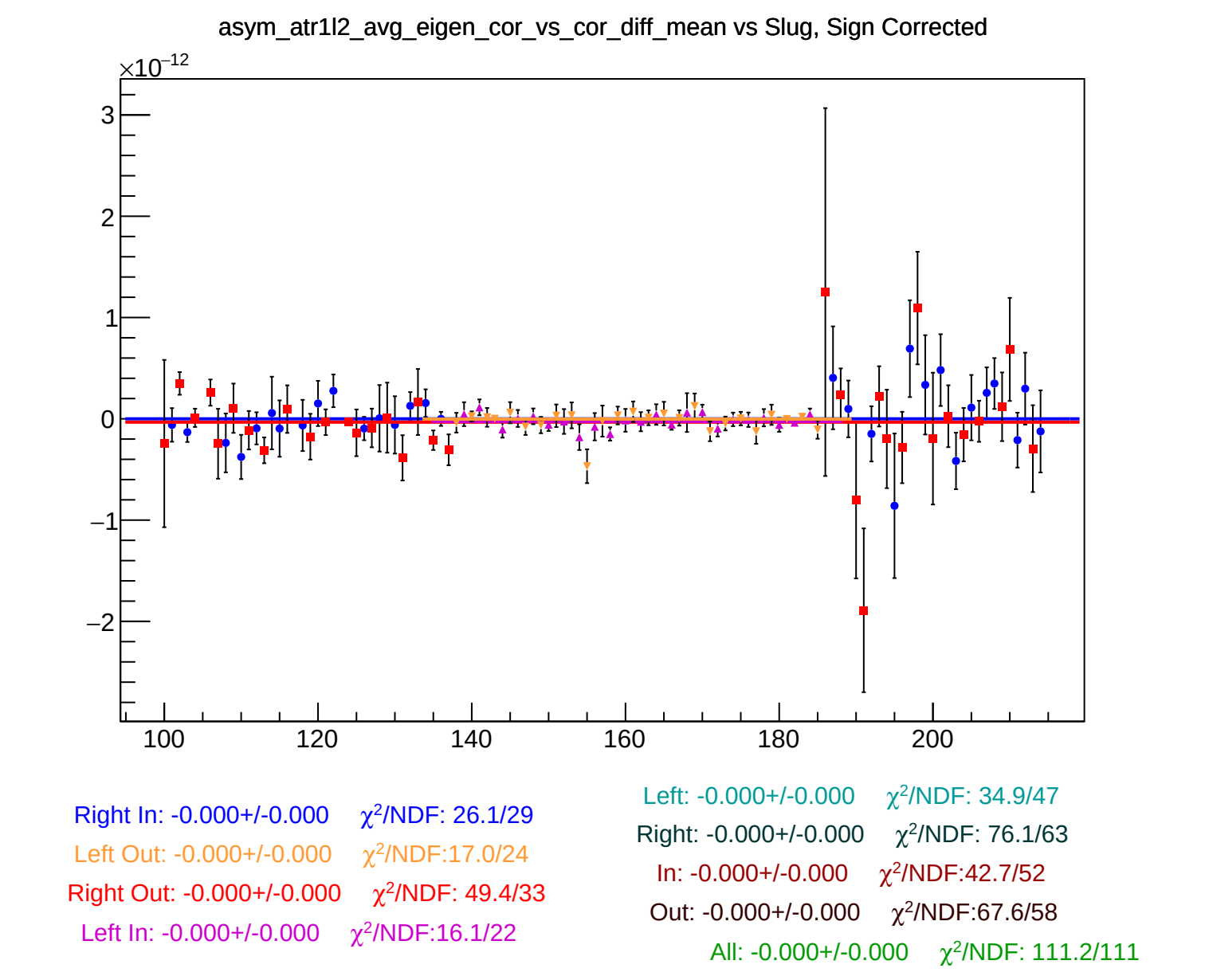
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

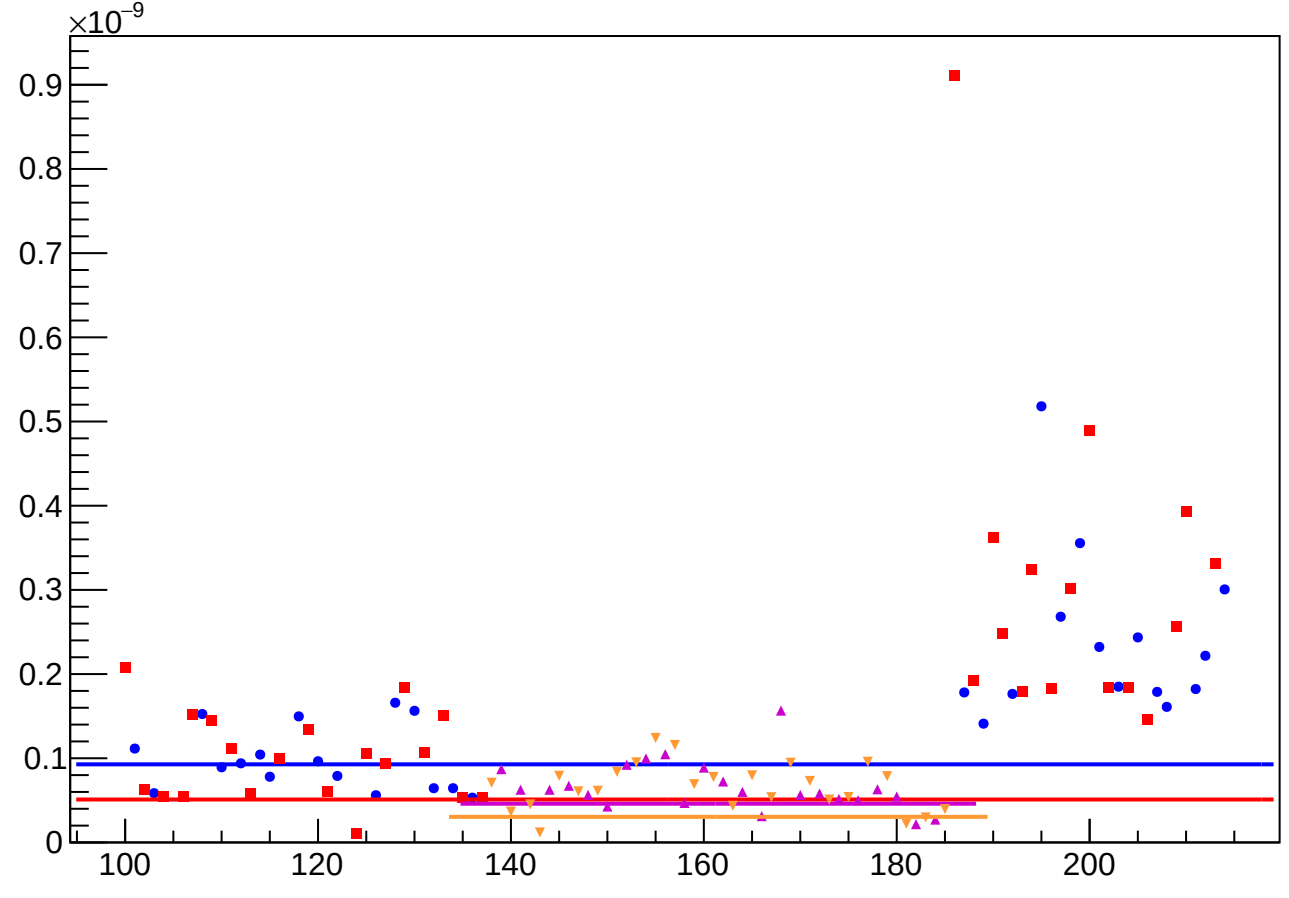
Right: 143.607+/-0.019 χ^2/NDF: 8138107.3/63

In: 180.362+/-0.024 χ^2/NDF:14516598.6/52

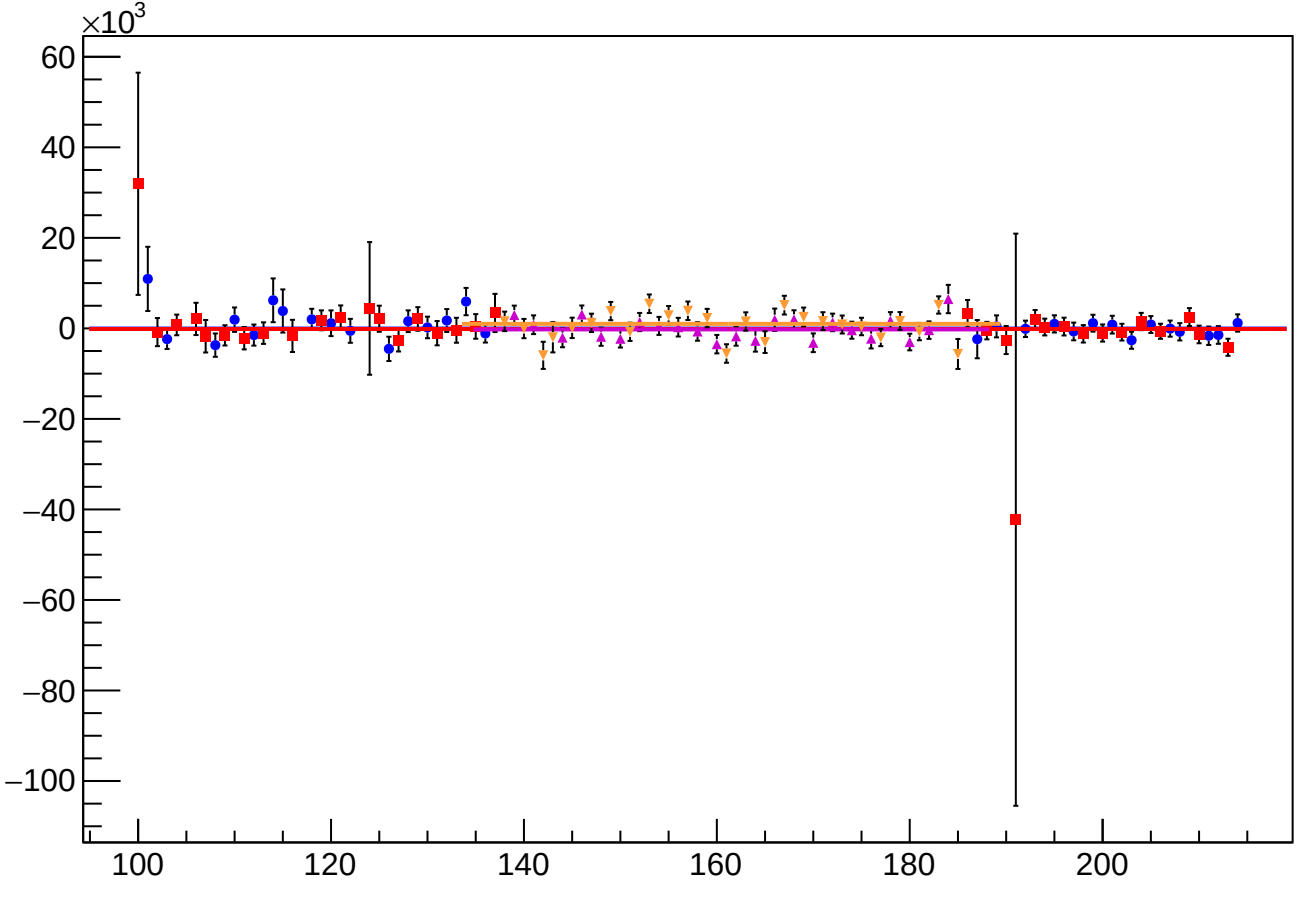
Out: 169.117+/-0.024 χ^2/NDF:19900678.9/58

All: 174.538+/-0.017 χ^2/NDF: 34527000.6/11


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
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:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 49.4/33
Left In: -0.000+/-0.000 χ²/NDF:16.1/22
Left: -0.000+/-0.000 χ²/NDF: 34.9/47
Right: -0.000+/-0.000 χ²/NDF: 76.1/63
In: -0.000+/-0.000 χ²/NDF:42.7/52
Out: -0.000+/-0.000 χ²/NDF:67.6/58
All: -0.000+/-0.000 χ²/NDF: 111.2/111


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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: 5920495.7/29
Left Out: 0.000+/-0.000 χ²/NDF:10517831.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 12655223.7/33
Left In: 0.000+/-0.000 χ²/NDF:4899715.4/22
Left: 0.000+/-0.000 χ²/NDF: 16912386.2/47
Right: 0.000+/-0.000 χ²/NDF: 20540949.5/63
In: 0.000+/-0.000 χ²/NDF:13982396.4/52
Out: 0.000+/-0.000 χ²/NDF:24355713.5/58
All: 0.000+/-0.000 χ²/NDF: 41058013.9/111

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



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

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

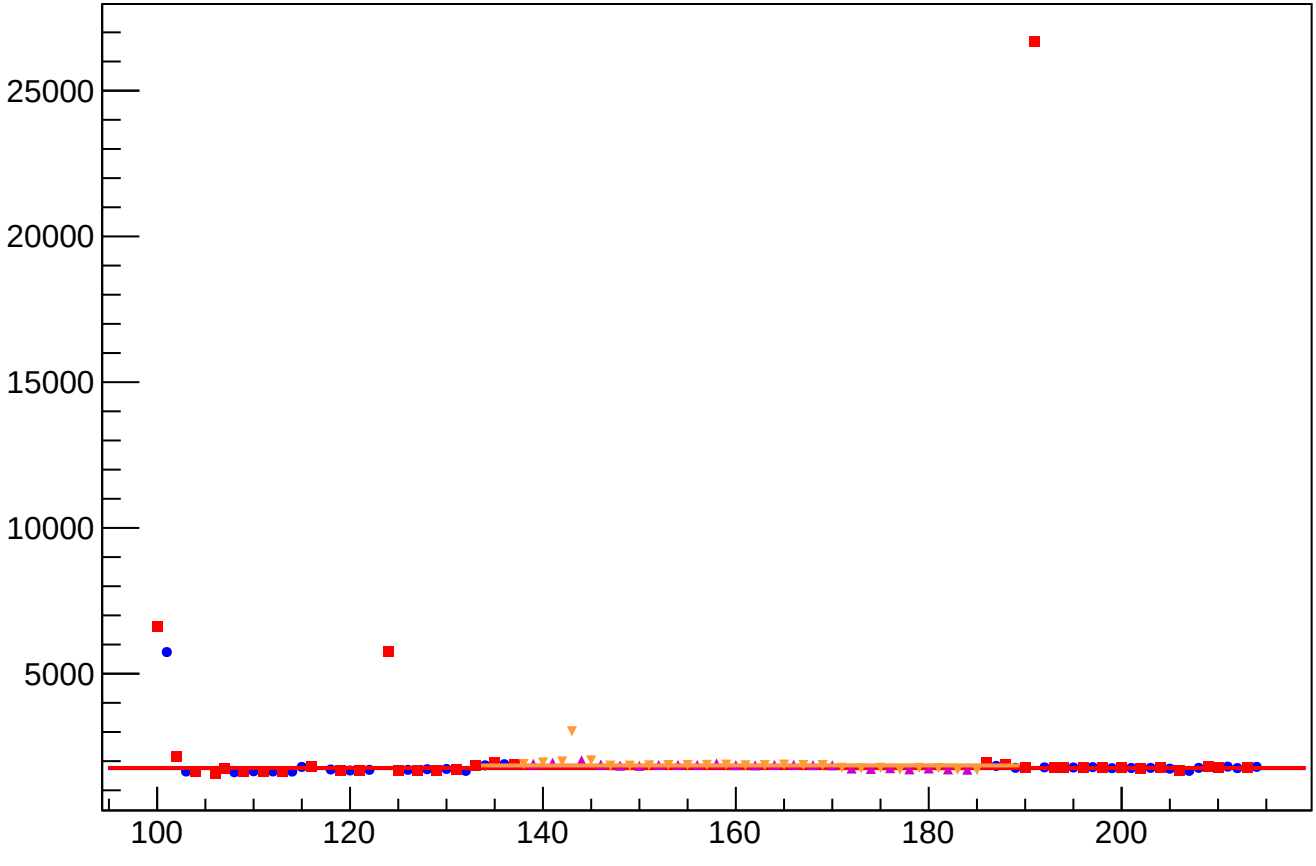
Right: -91.312+/-292.616 χ^2/NDF: 43.8/63

In: -134.975+/-298.602 χ^2/NDF:49.3/52

Out: 420.629+/-295.148 χ^2/NDF:72.0/58

All: 146.059+/-209.912 χ^2/NDF: 123.1/111

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

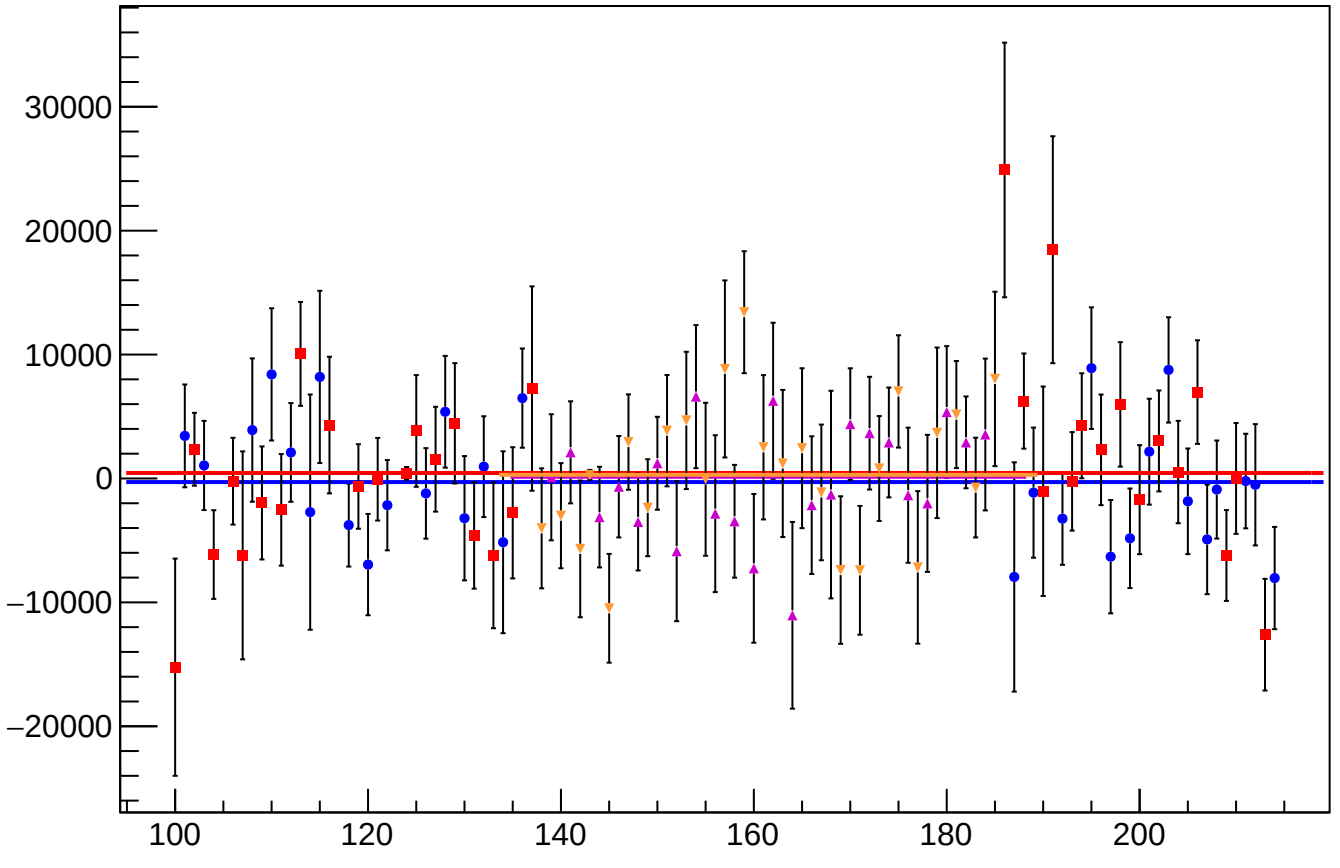
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1763.294+/-0.207 χ^2/NDF: 1326701.5/63

In: 1798.151+/-0.211 χ^2/NDF:782790.1/52

Out: 1808.131+/-0.208 χ^2/NDF:1010381.1/58

All: 1803.207+/-0.148 χ^2/NDF: 1794303.0/11



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

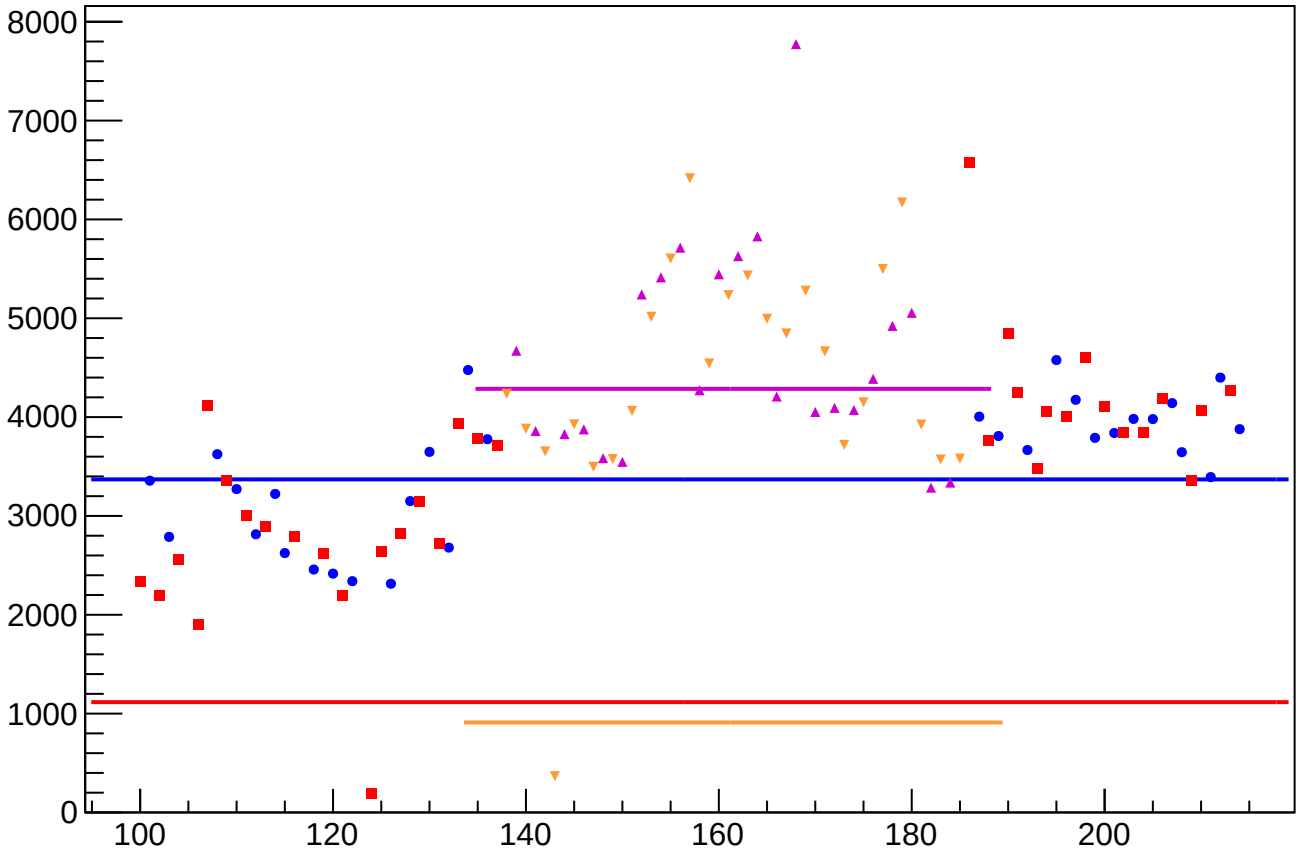
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 282.095+/-377.236 χ^2/NDF: 81.7/63

In: -126.846+/-632.326 χ^2/NDF:46.9/52

Out: 360.316+/-283.869 χ^2/NDF:78.2/58

All: 278.603+/-258.970 χ^2/NDF: 125.7/111



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

Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

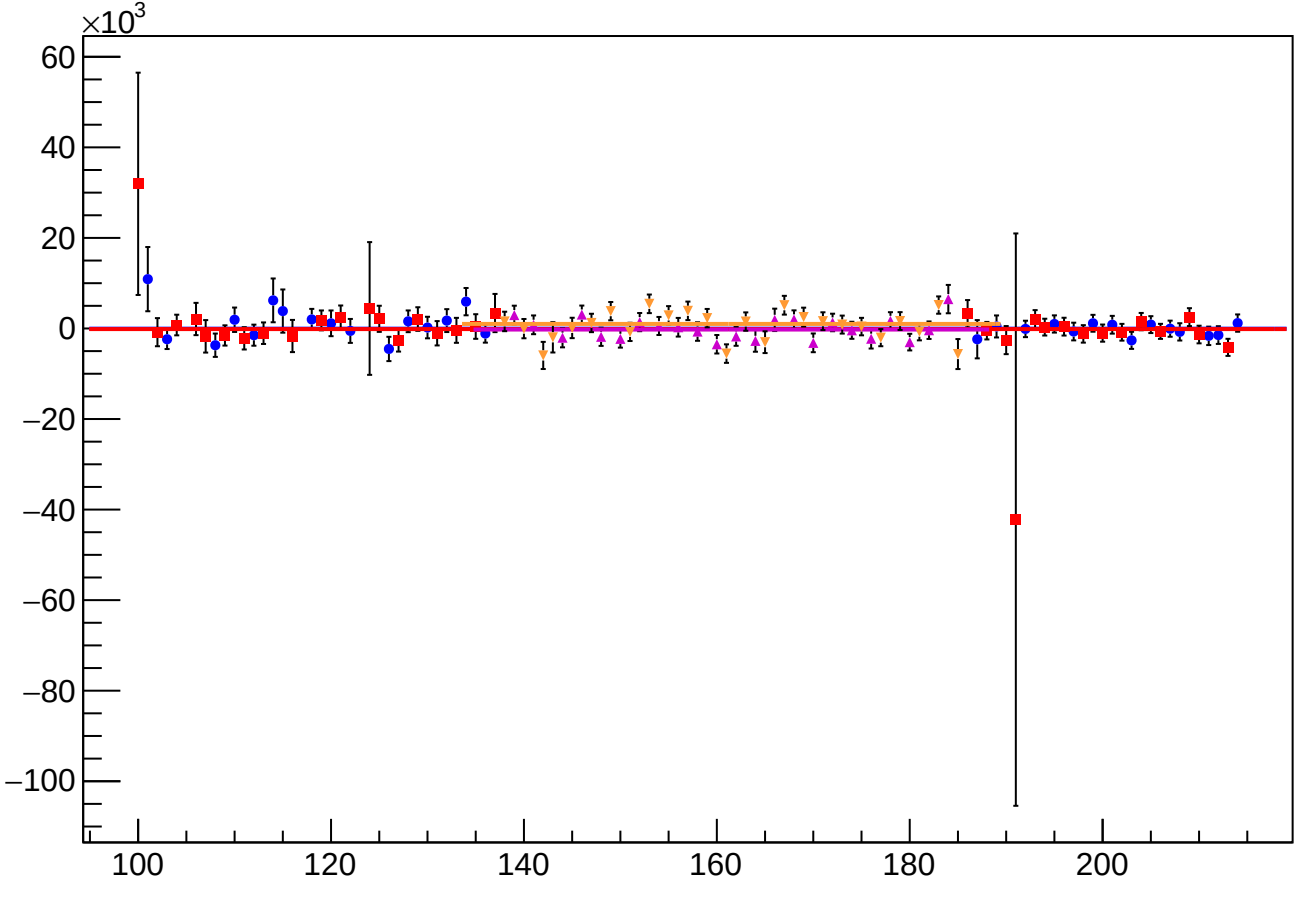
Right: 1611.967+/-0.267 χ^2/NDF: 37494894.9/63

In: 3719.835+/-0.447 χ^2/NDF:3693709.1/52

Out: 1001.247+/-0.201 χ^2/NDF:50911501.6/58

All: 1457.243+/-0.183 χ^2/NDF: 85373091.2/

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



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

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

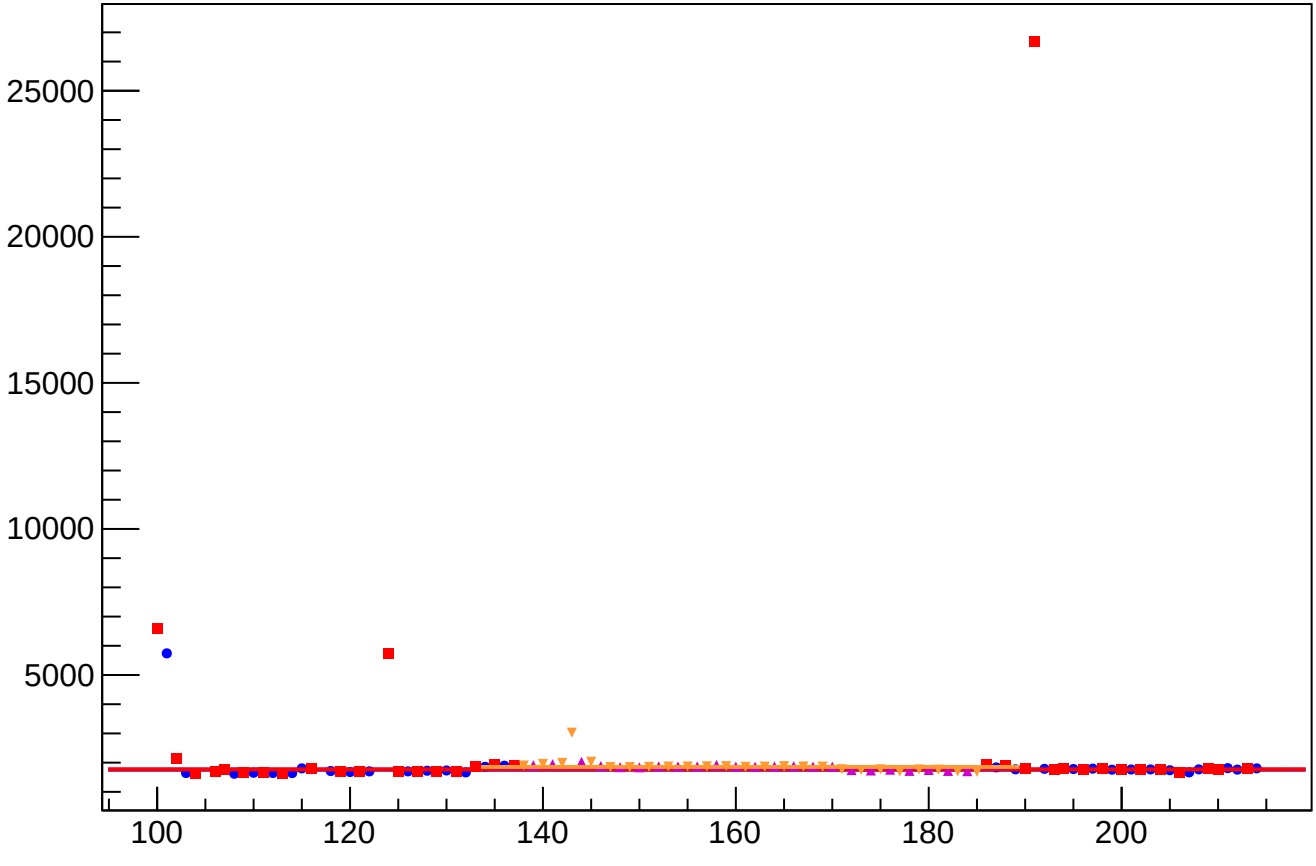
Right: -91.400+/-292.616 χ^2/NDF: 43.8/63

In: -135.021+/-298.602 χ^2/NDF:49.3/52

Out: 420.605+/-295.148 χ^2/NDF:72.0/58

All: 146.024+/-209.912 χ^2/NDF: 123.1/111

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

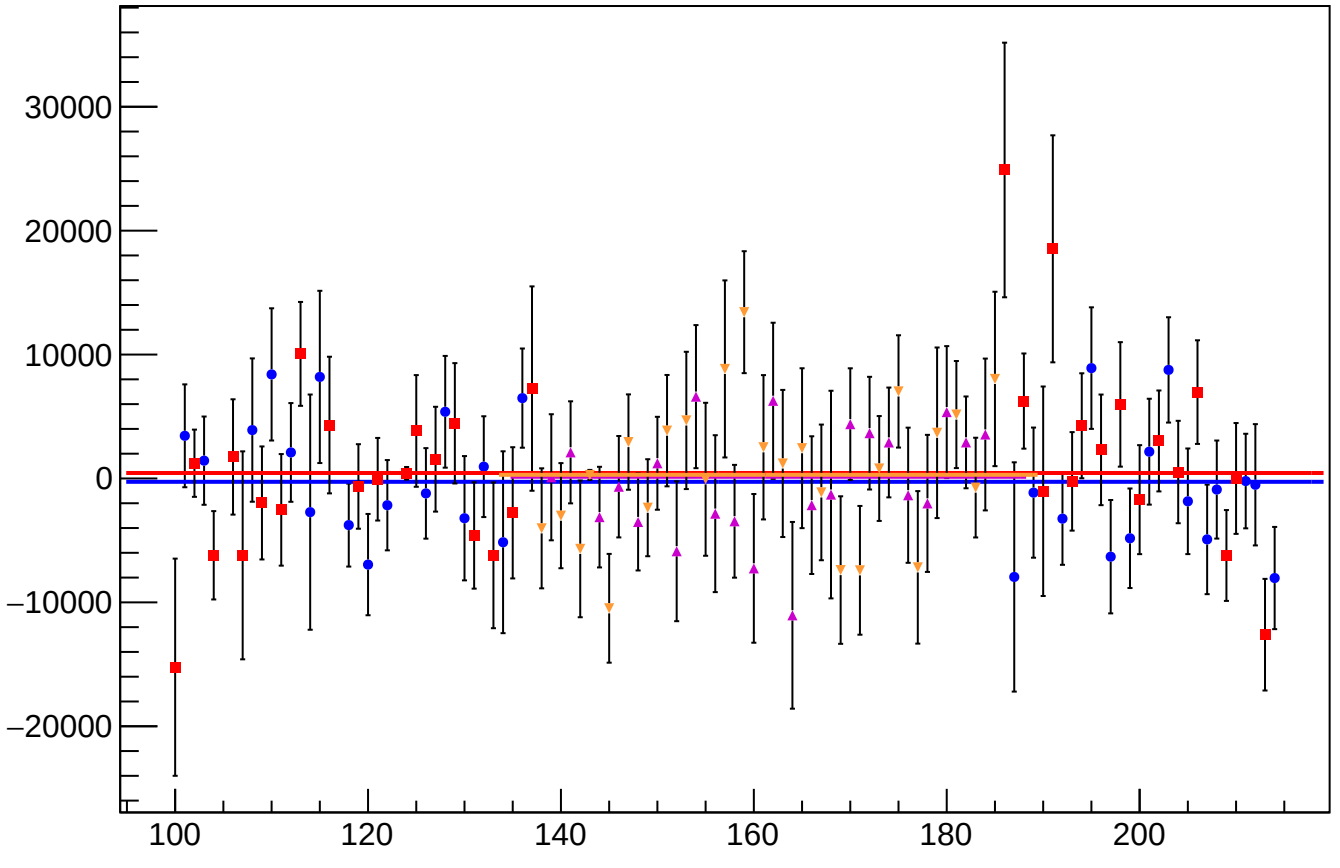
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1764.673+/-0.207 χ^2/NDF: 1318773.9/63

In: 1798.151+/-0.211 χ^2/NDF:782790.4/52

Out: 1809.601+/-0.209 χ^2/NDF:999486.3/58

All: 1803.947+/-0.148 χ^2/NDF: 1783765.4/11



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

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

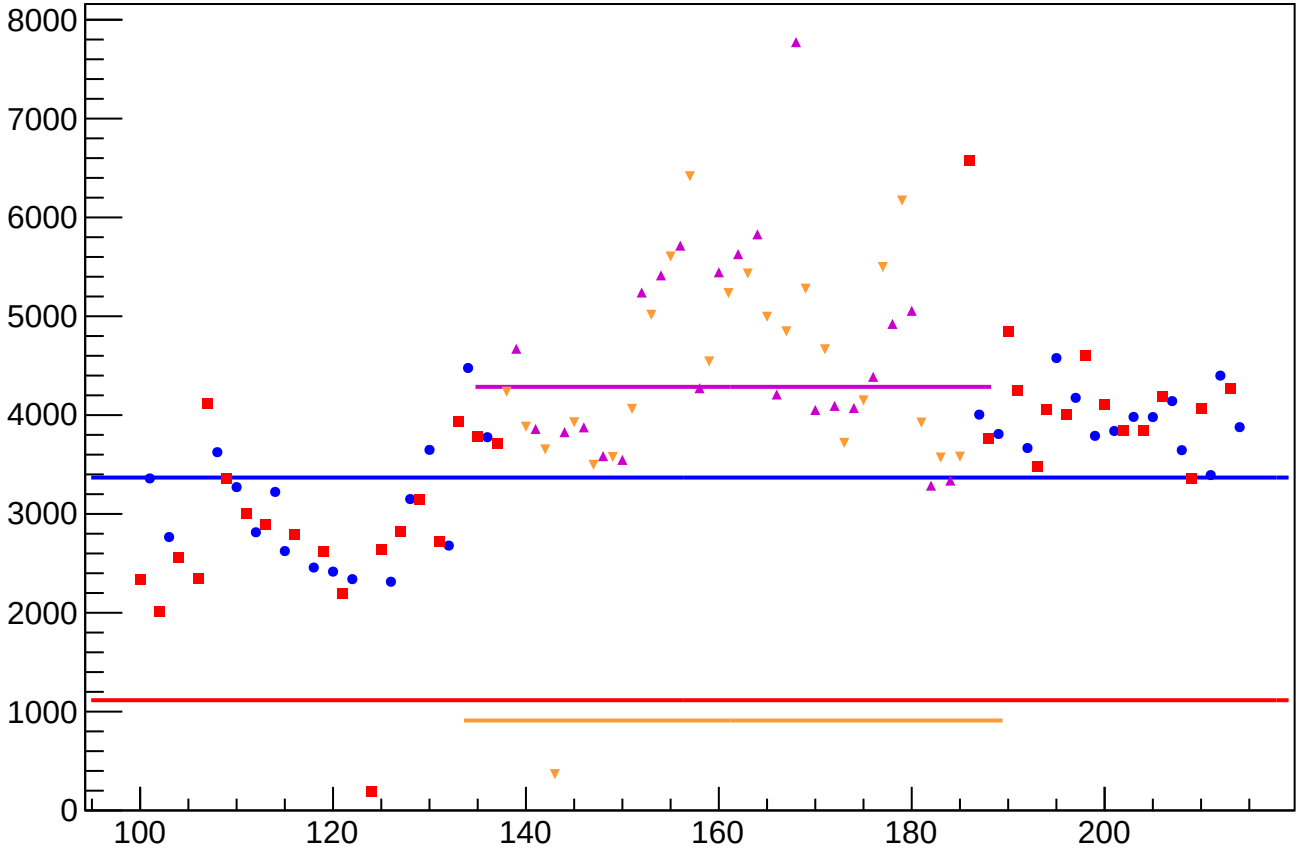
Right: 284.974+/-377.705 χ^2/NDF: 81.6/63

In: -113.952+/-632.129 χ^2/NDF:47.0/52

Out: 360.015+/-284.099 χ^2/NDF:78.1/58

All: 280.367+/-259.131 χ^2/NDF: 125.5/111

asym_atr1l2_dd_cor_correction_rms vs Slug, Sign Corrected



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

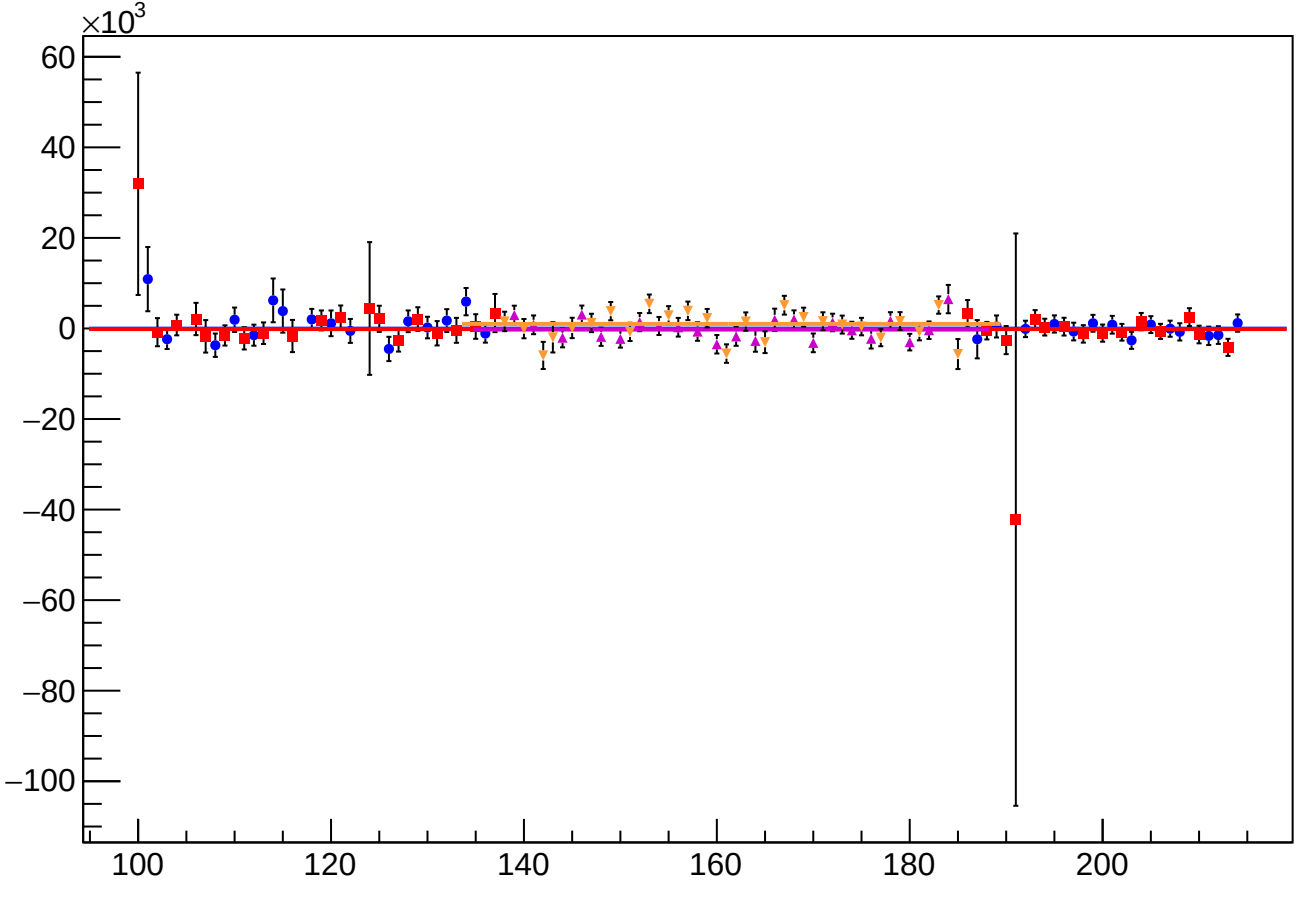
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1612.421+/-0.267 χ^2/NDF: 37470207.5/63

In: 3718.597+/-0.447 χ^2/NDF:3702859.4/52

Out: 1000.626+/-0.201 χ^2/NDF:50881511.0/58

All: 1457.370+/-0.183 χ^2/NDF: 85345922.8/1



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

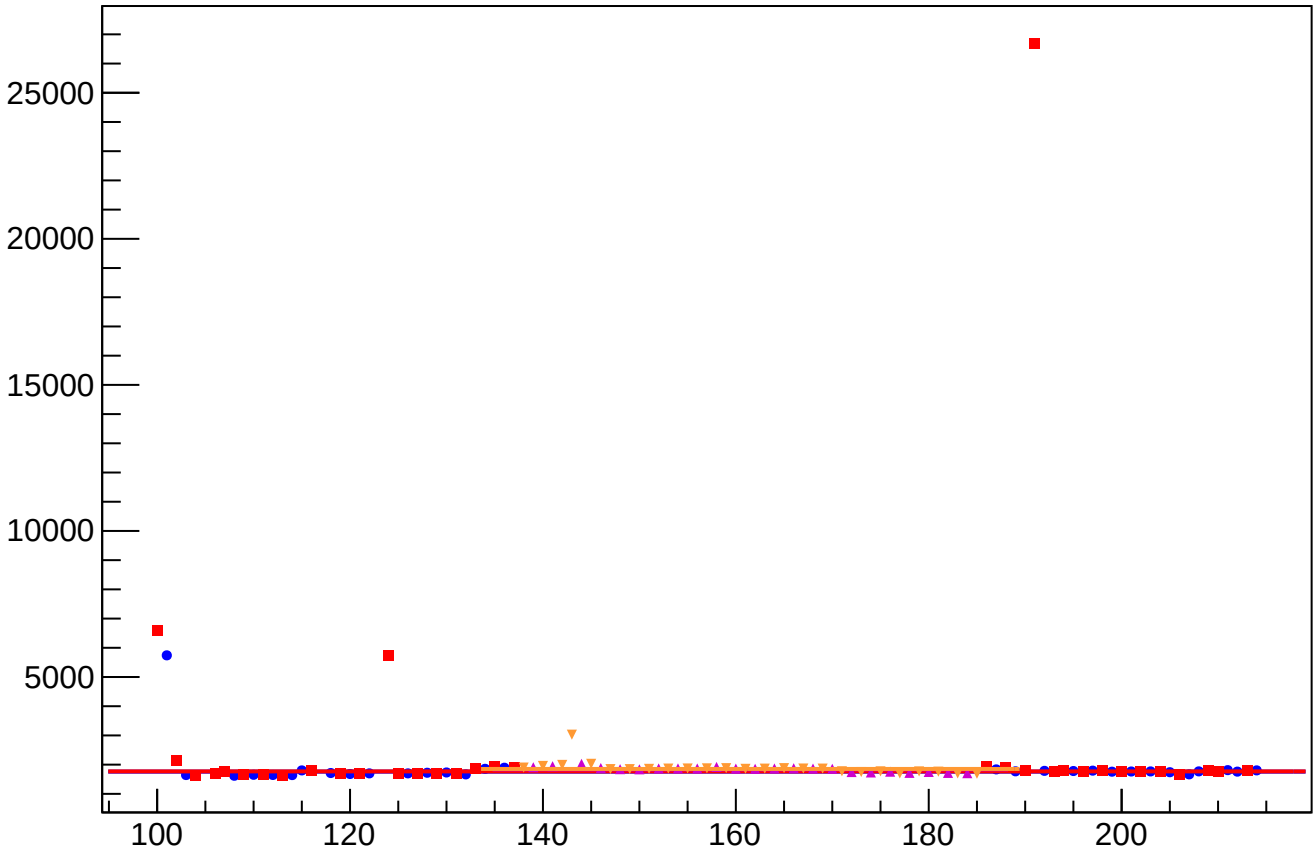
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: -91.400+/-292.616 χ^2/NDF: 43.8/63

In: -135.021+/-298.602 χ^2/NDF:49.3/52

Out: 420.605+/-295.148 χ^2/NDF:72.0/58

All: 146.024+/-209.912 χ^2/NDF: 123.1/111



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

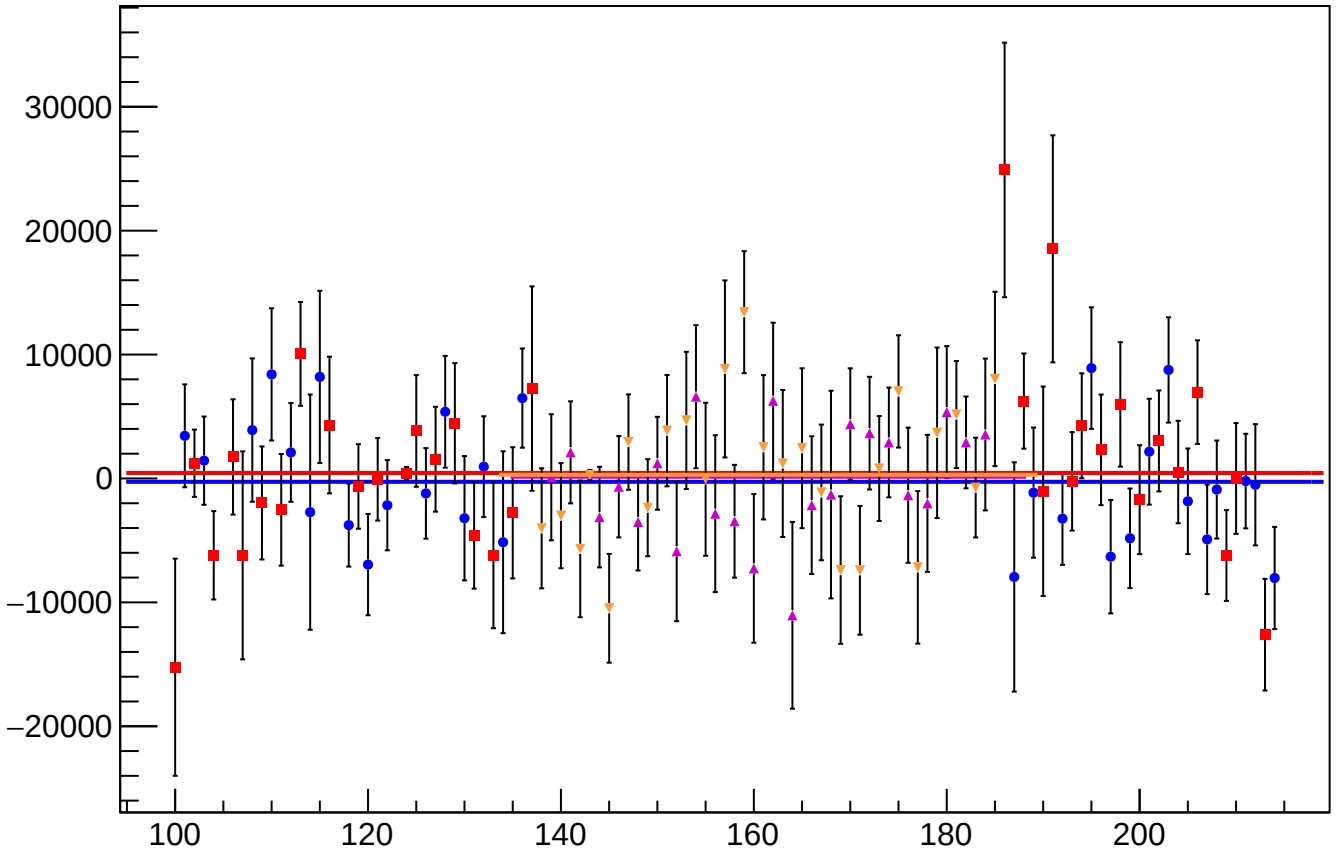
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1764.673+/-0.207 χ^2/NDF: 1318773.9/63

In: 1798.151+/-0.211 χ^2/NDF:782790.4/52

Out: 1809.601+/-0.209 χ^2/NDF:999486.3/58

All: 1803.947+/-0.148 χ^2/NDF: 1783765.4/11



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

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

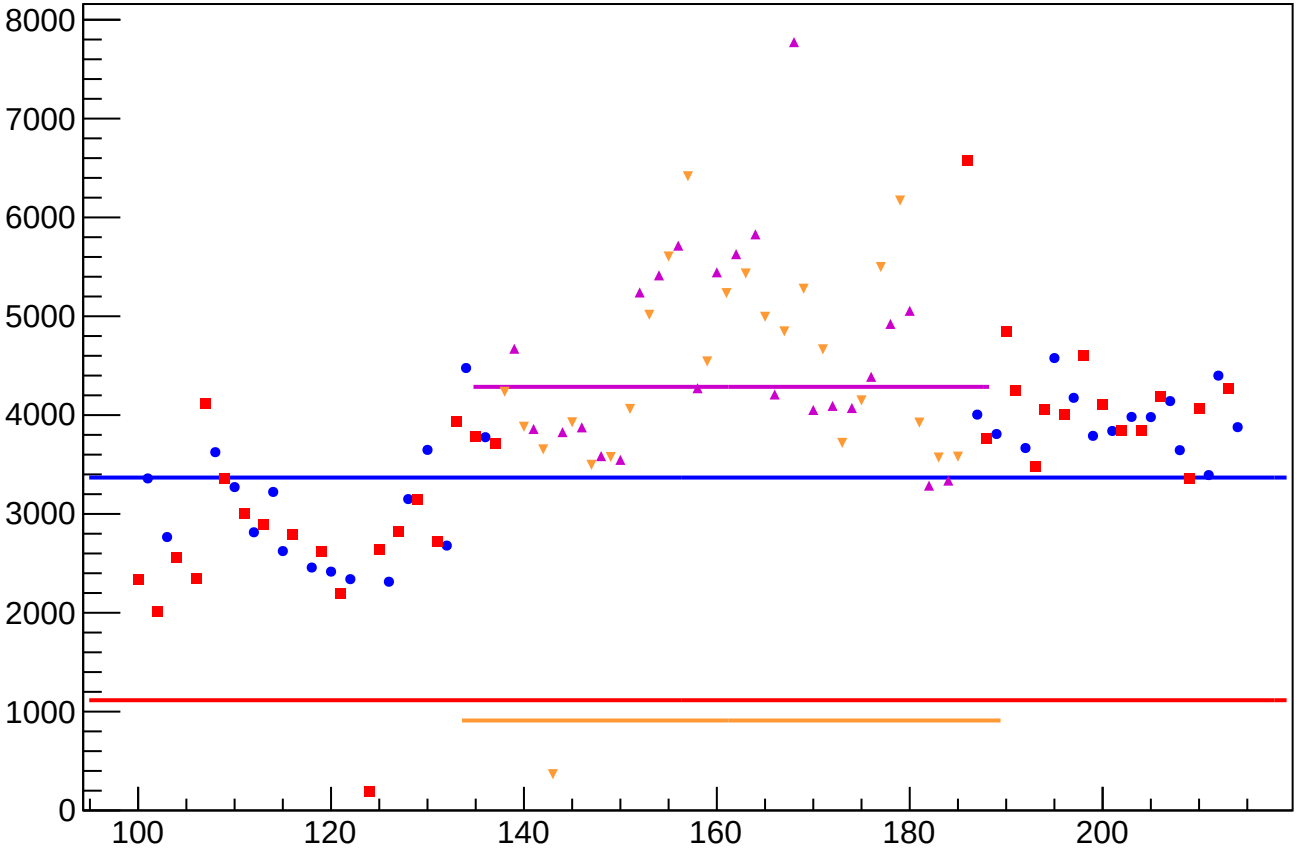
Right: 284.974+/-377.705 χ^2/NDF: 81.6/63

In: -113.952+/-632.129 χ^2/NDF:47.0/52

Out: 360.015+/-284.099 χ^2/NDF:78.1/58

All: 280.367+/-259.131 χ^2/NDF: 125.5/111

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

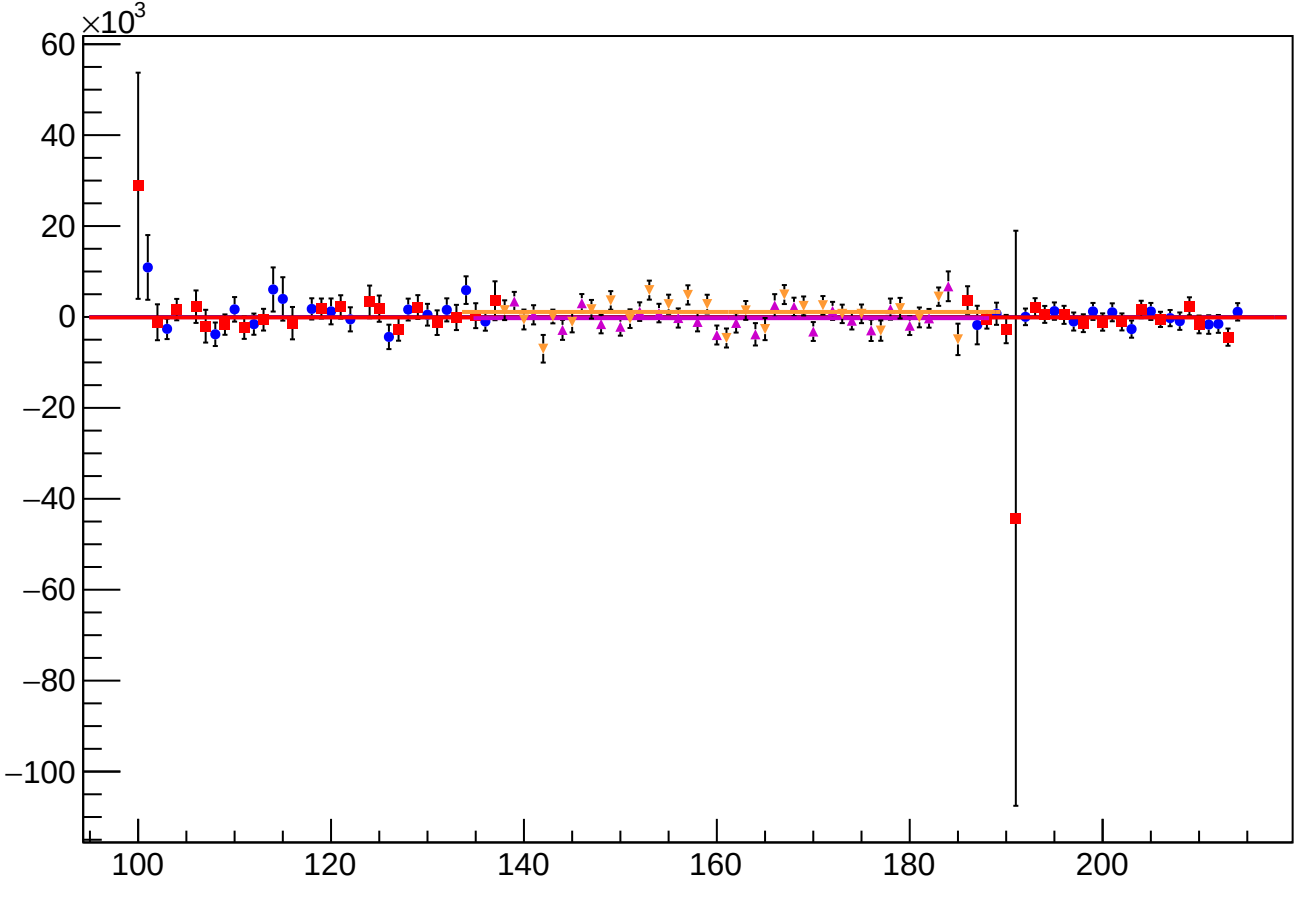
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1612.421+/-0.267 χ^2/NDF: 37470207.5/63

In: 3718.597+/-0.447 χ^2/NDF:3702859.4/52

Out: 1000.626+/-0.201 χ^2/NDF:50881511.0/58

All: 1457.370+/-0.183 χ^2/NDF: 85345922.8/1



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

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

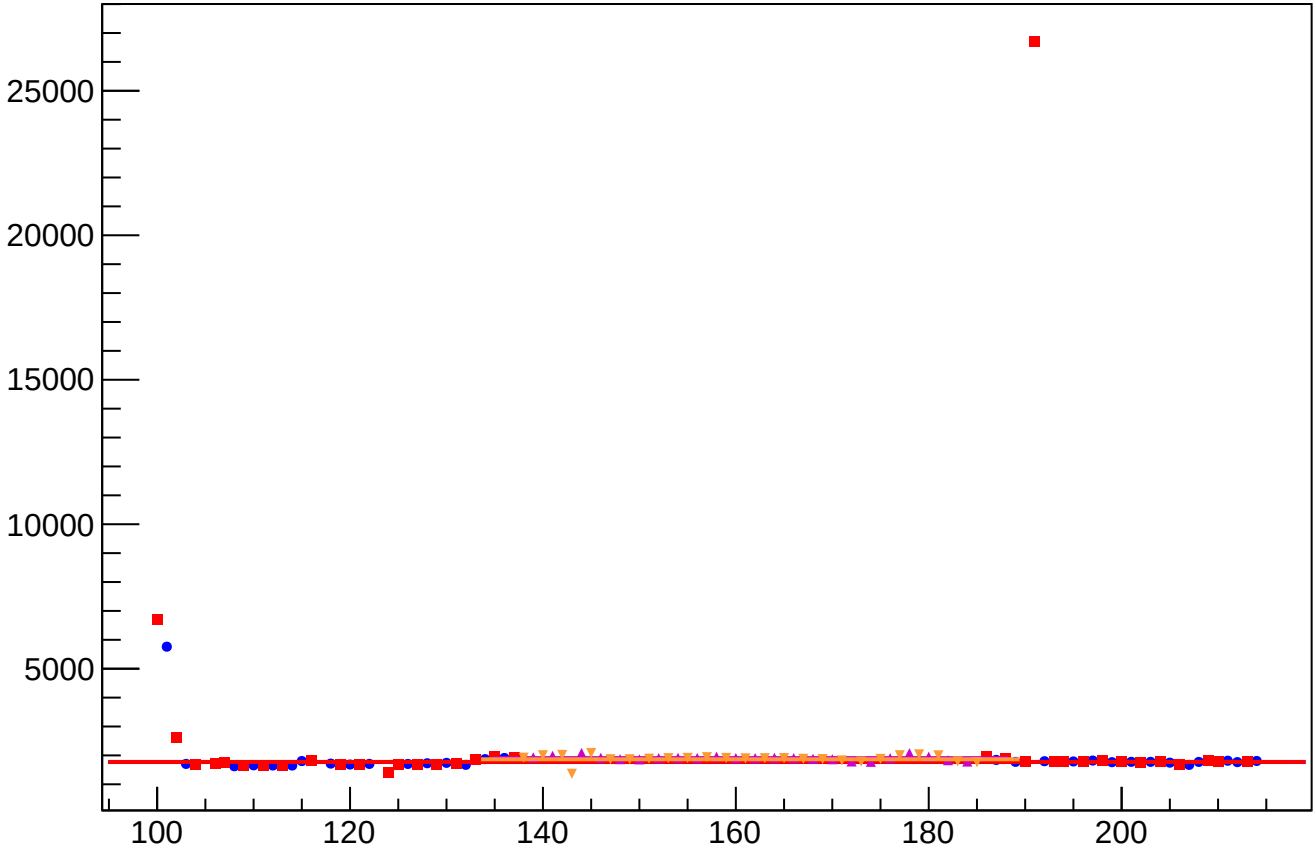
Right: -64.767+/-293.858 χ^2/NDF: 46.7/63

In: -141.102+/-304.622 χ^2/NDF:51.1/52

Out: 486.691+/-296.515 χ^2/NDF:72.3/58

All: 181.259+/-212.476 χ^2/NDF: 125.6/111

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

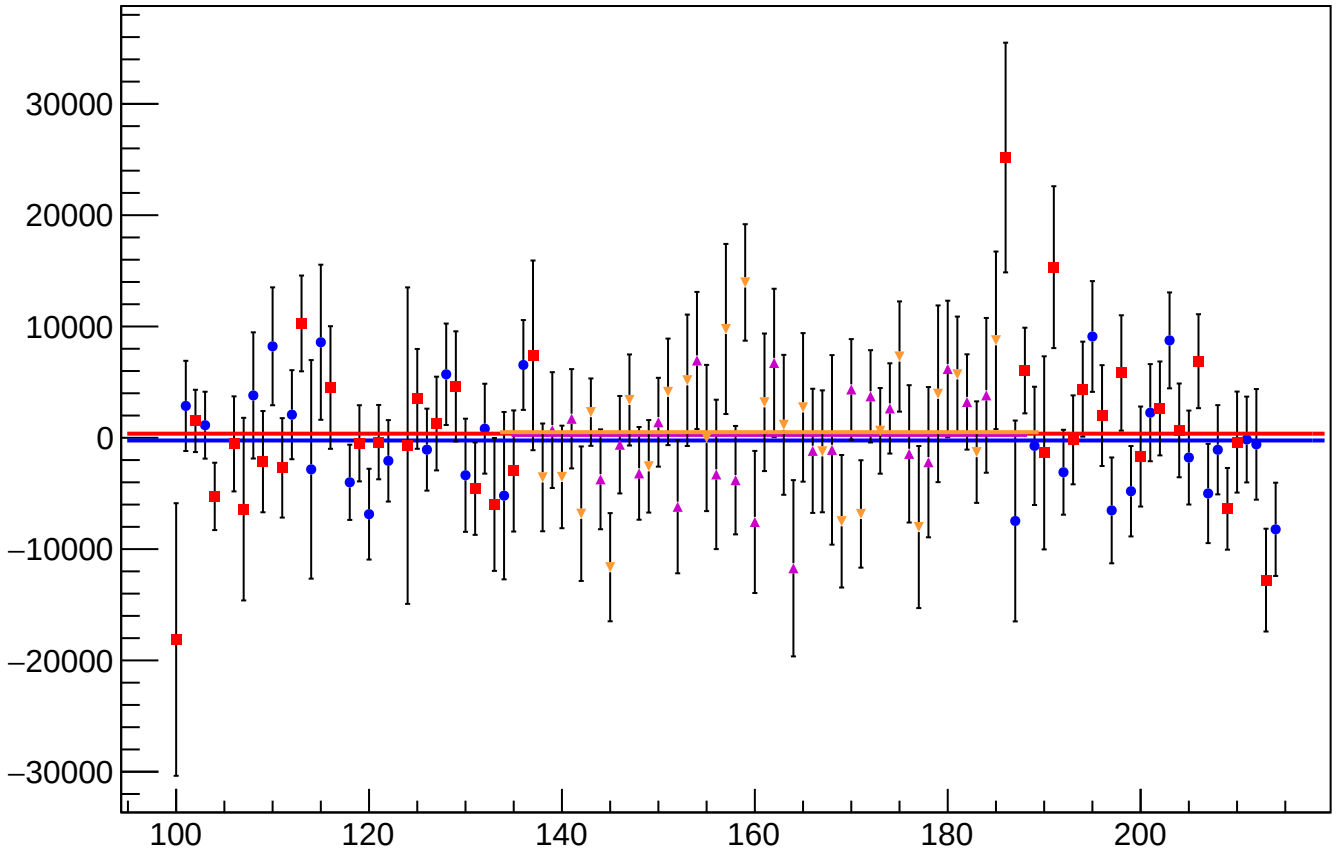
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1772.167+/-0.208 χ^2/NDF: 1248954.7/63

In: 1833.649+/-0.215 χ^2/NDF:829839.4/52

Out: 1818.063+/-0.210 χ^2/NDF:911727.1/58

All: 1825.641+/-0.150 χ^2/NDF: 1744256.6/11



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

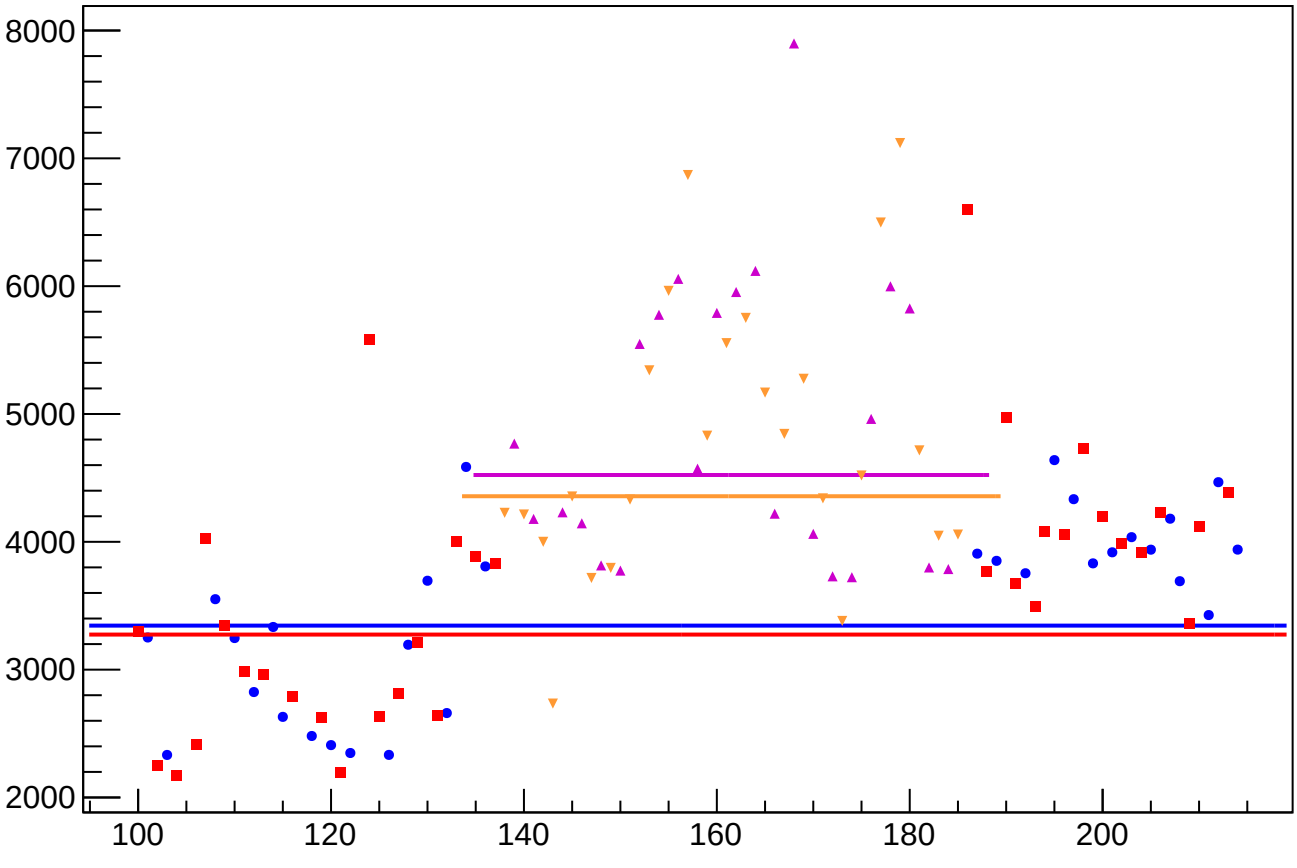
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 75.282+/-557.602 χ^2/NDF: 80.2/63

In: -62.637+/-643.950 χ^2/NDF:46.6/52

Out: 420.000+/-618.057 χ^2/NDF:77.1/58

All: 188.580+/-445.905 χ^2/NDF: 124.0/111



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

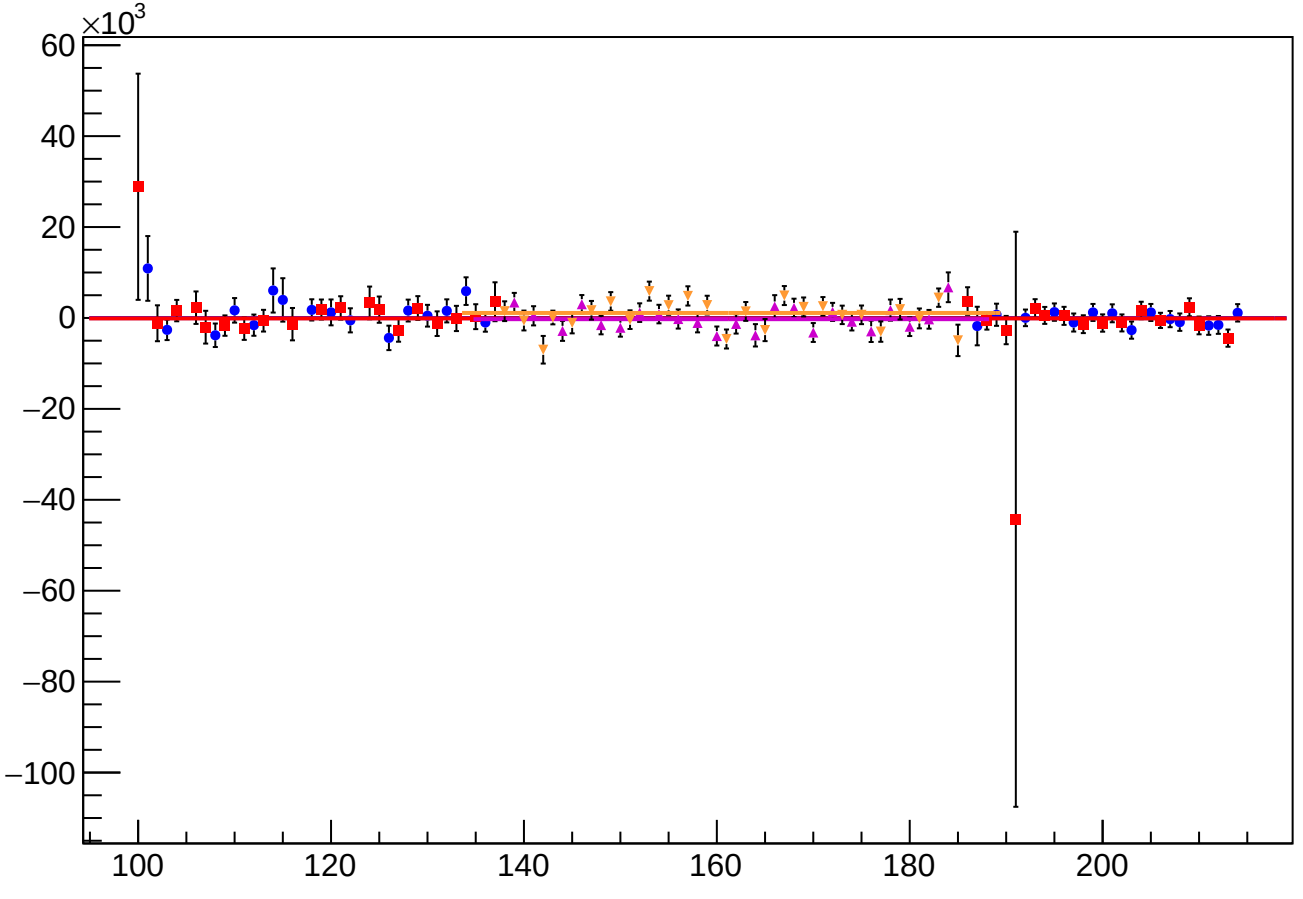
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3308.356+/-0.394 χ^2/NDF: 3903254.7/63

In: 3762.328+/-0.455 χ^2/NDF:4590502.3/52

Out: 3670.475+/-0.437 χ^2/NDF:5606376.1/58

All: 3714.517+/-0.315 χ^2/NDF: 10218059.1/1



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

Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

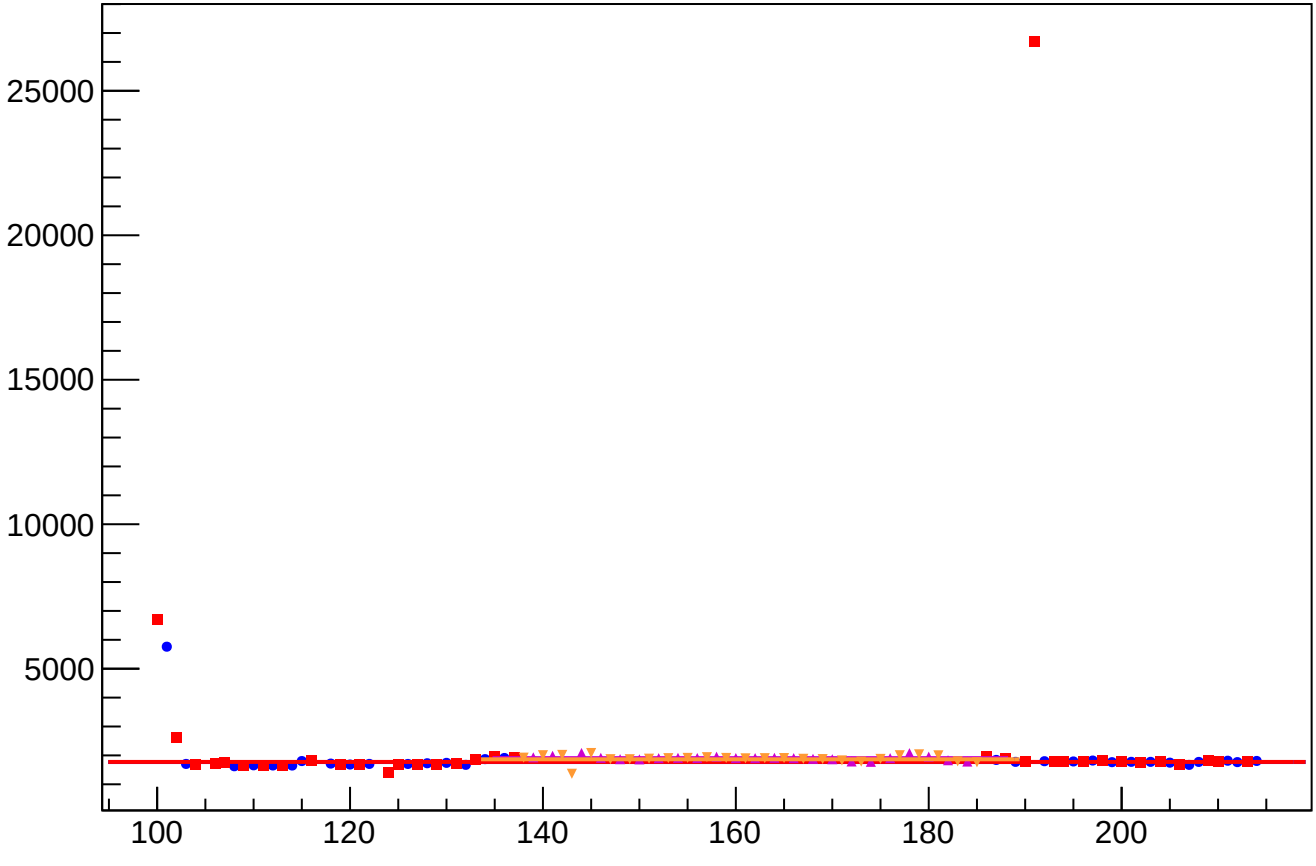
Right: -64.768+/-293.858 χ^2/NDF: 46.7/63

In: -141.103+/-304.622 χ^2/NDF:51.1/52

Out: 486.691+/-296.516 χ^2/NDF:72.3/58

All: 181.258+/-212.476 χ^2/NDF: 125.6/111

eigen_dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

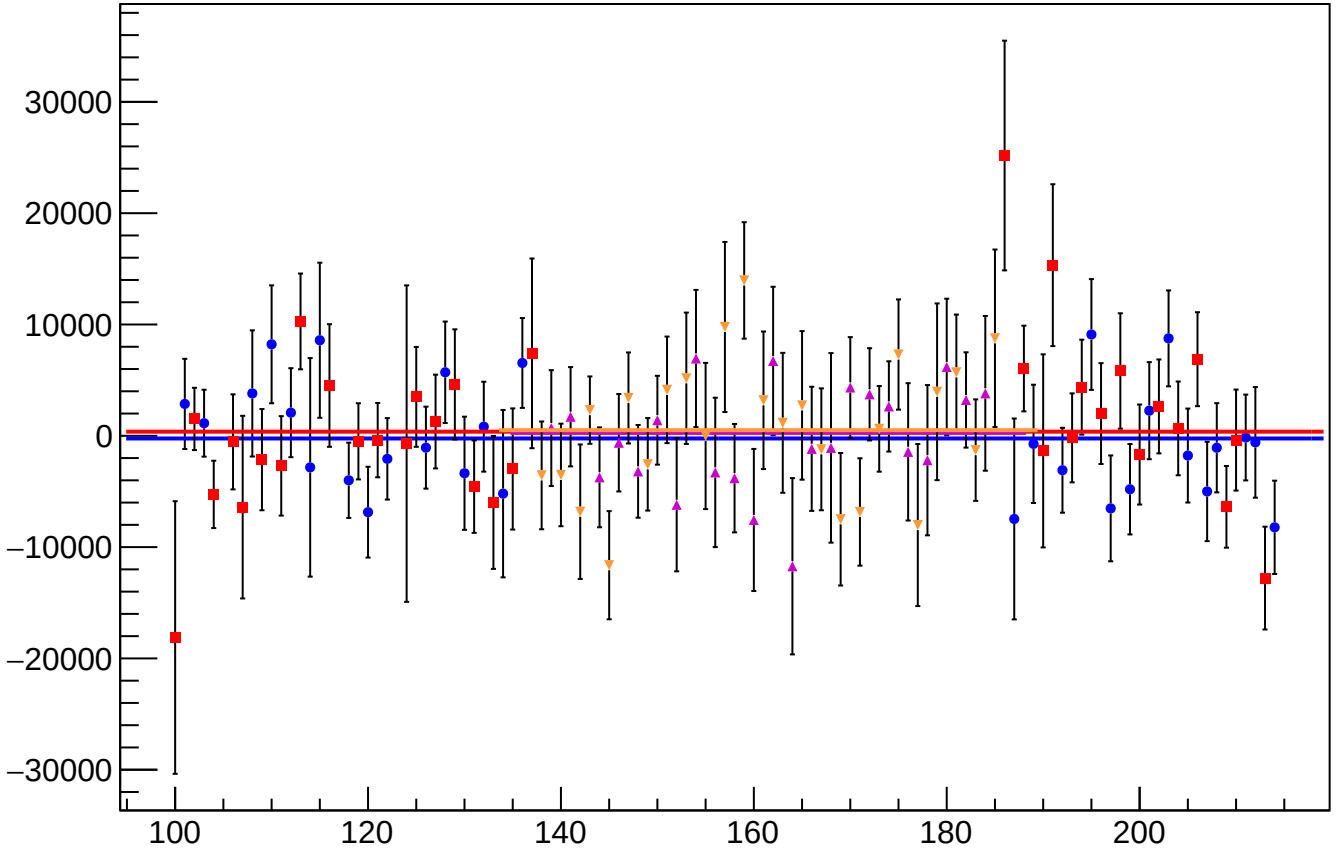
Right: 1772.167+/-0.208 χ^2/NDF: 1248954.7/63

In: 1833.650+/-0.215 χ^2/NDF:829843.0/52

Out: 1818.063+/-0.210 χ^2/NDF:911731.3/58

All: 1825.642+/-0.150 χ^2/NDF: 1744264.5/11

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

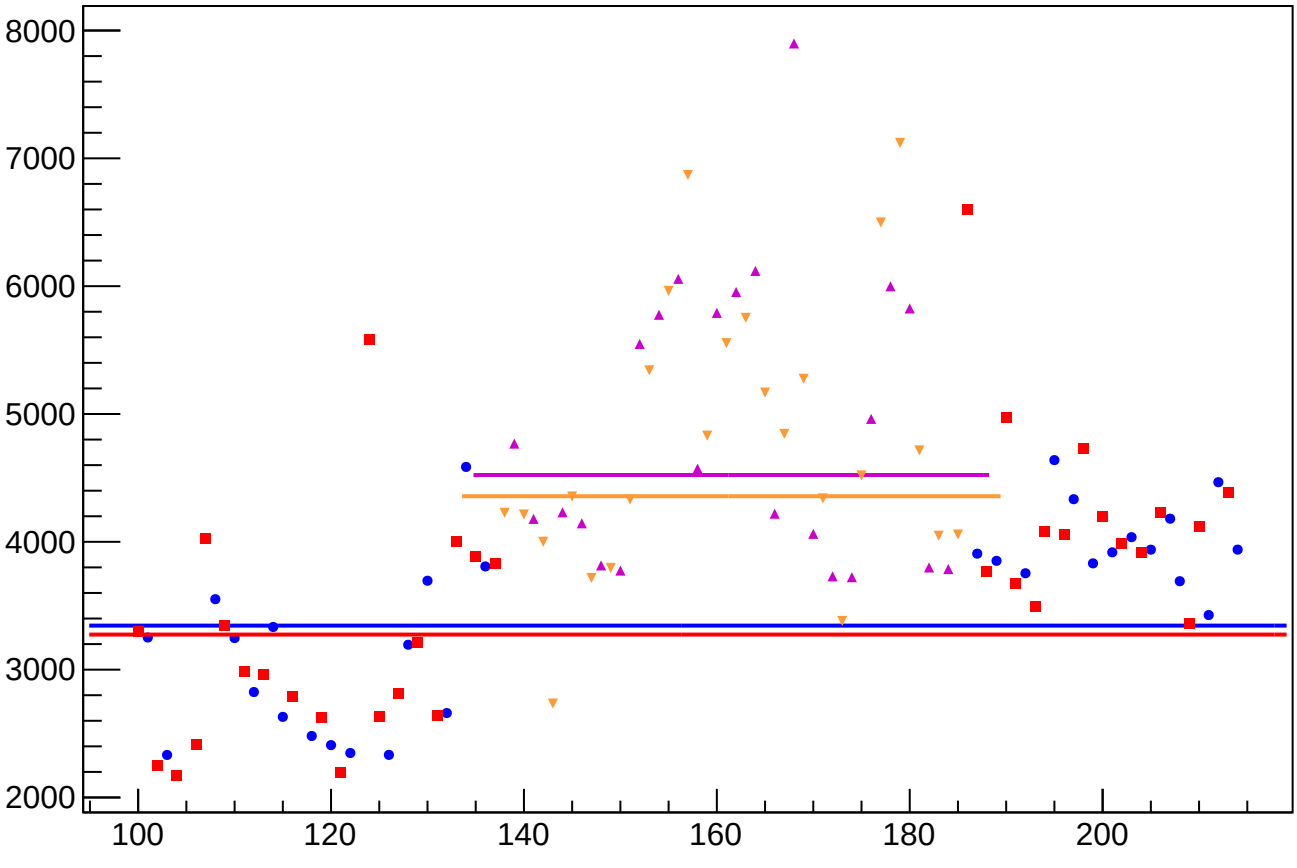
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 75.280+/-557.601 χ^2/NDF: 80.2/63

In: -62.638+/-643.950 χ^2/NDF:46.6/52

Out: 419.999+/-618.057 χ^2/NDF:77.1/58

All: 188.579+/-445.905 χ^2/NDF: 124.0/111



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

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

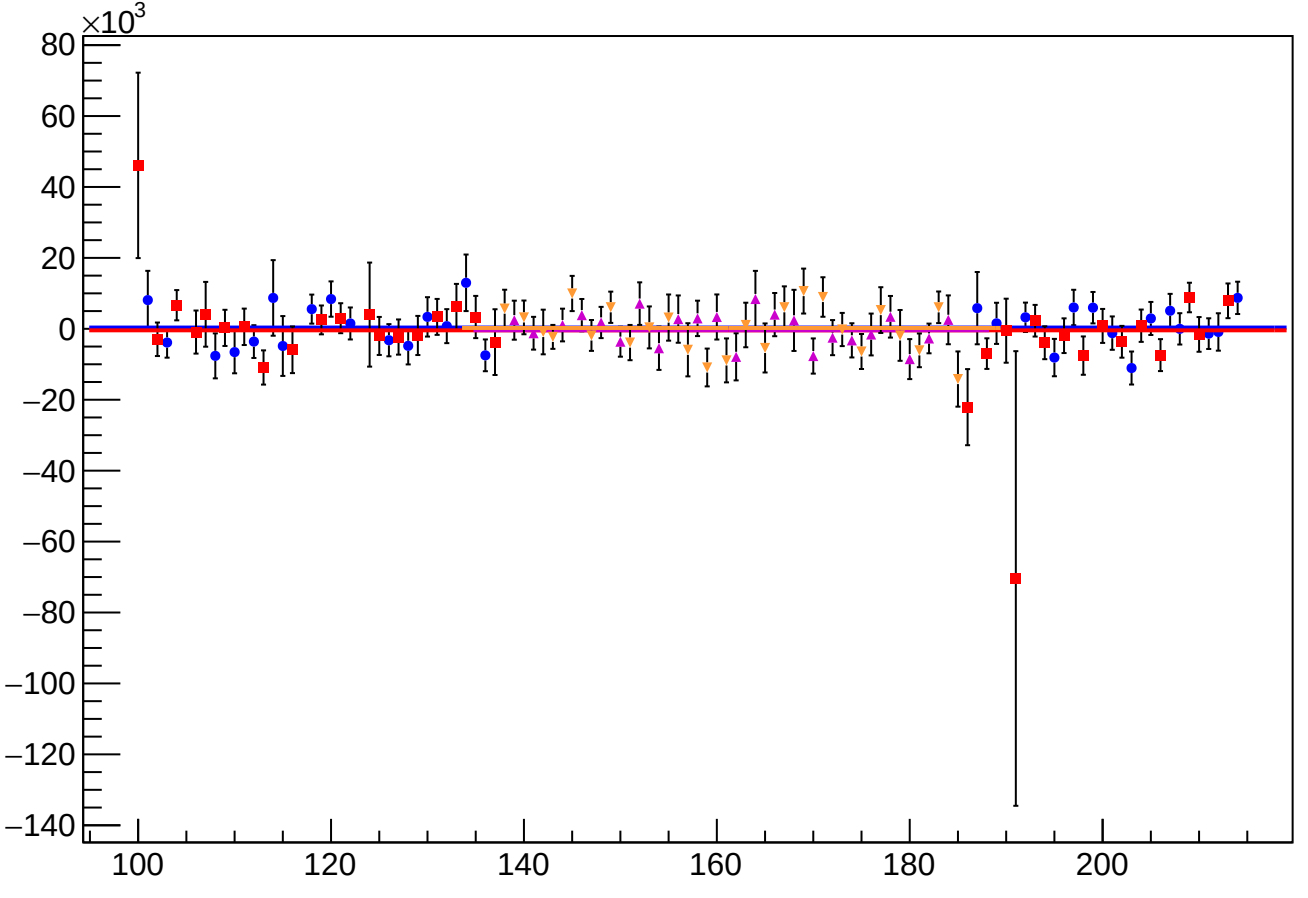
Right: 3308.353+/-0.394 χ^2/NDF: 3903307.1/63

In: 3762.327+/-0.455 χ^2/NDF:4590560.3/52

Out: 3670.474+/-0.437 χ^2/NDF:5606424.0/58

All: 3714.517+/-0.315 χ^2/NDF: 10218165.1/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



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

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

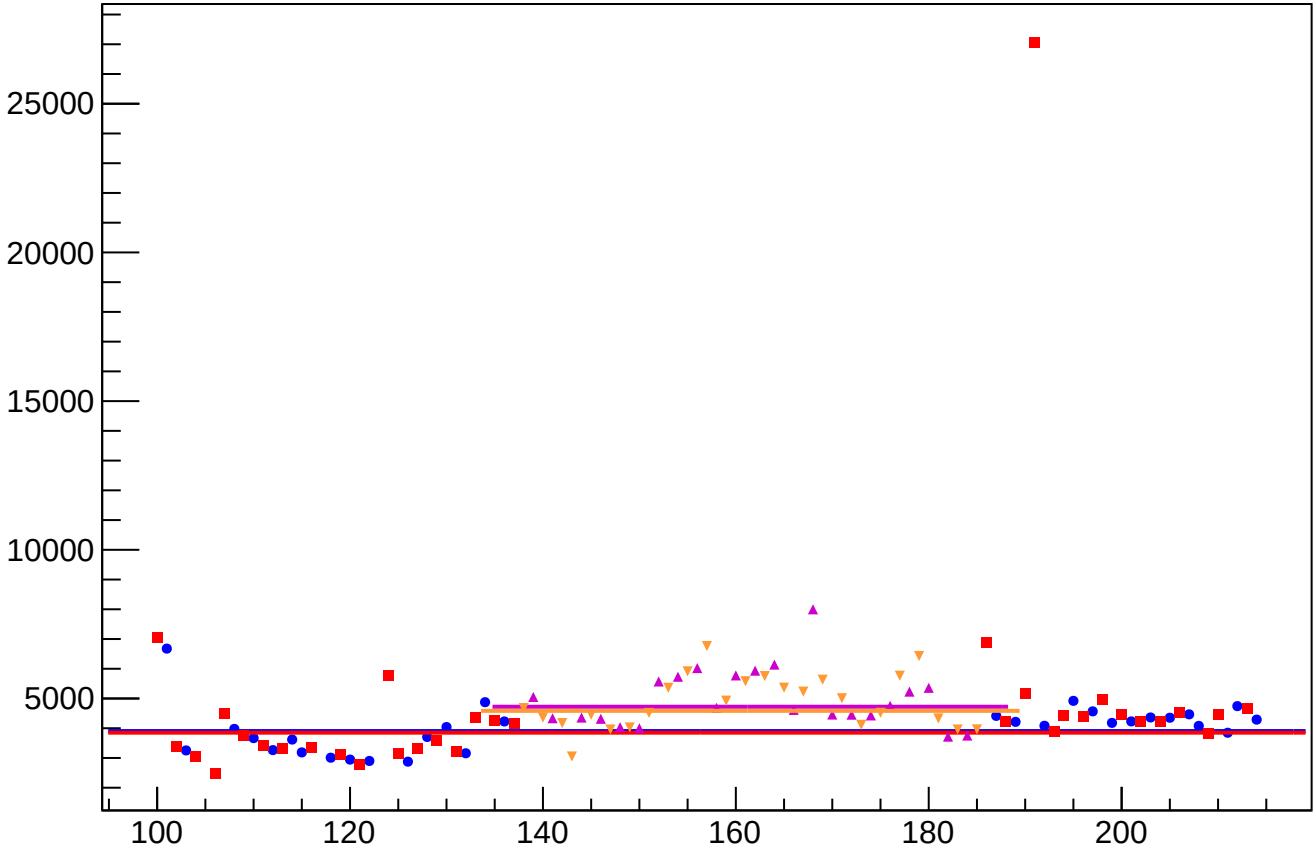
Right: -40.638+/-651.451 χ^2/NDF: 72.8/63

In: 48.572+/-714.715 χ^2/NDF:50.0/52

Out: -142.377+/-694.003 χ^2/NDF:69.3/58

All: -49.709+/-497.895 χ^2/NDF: 119.4/111

asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

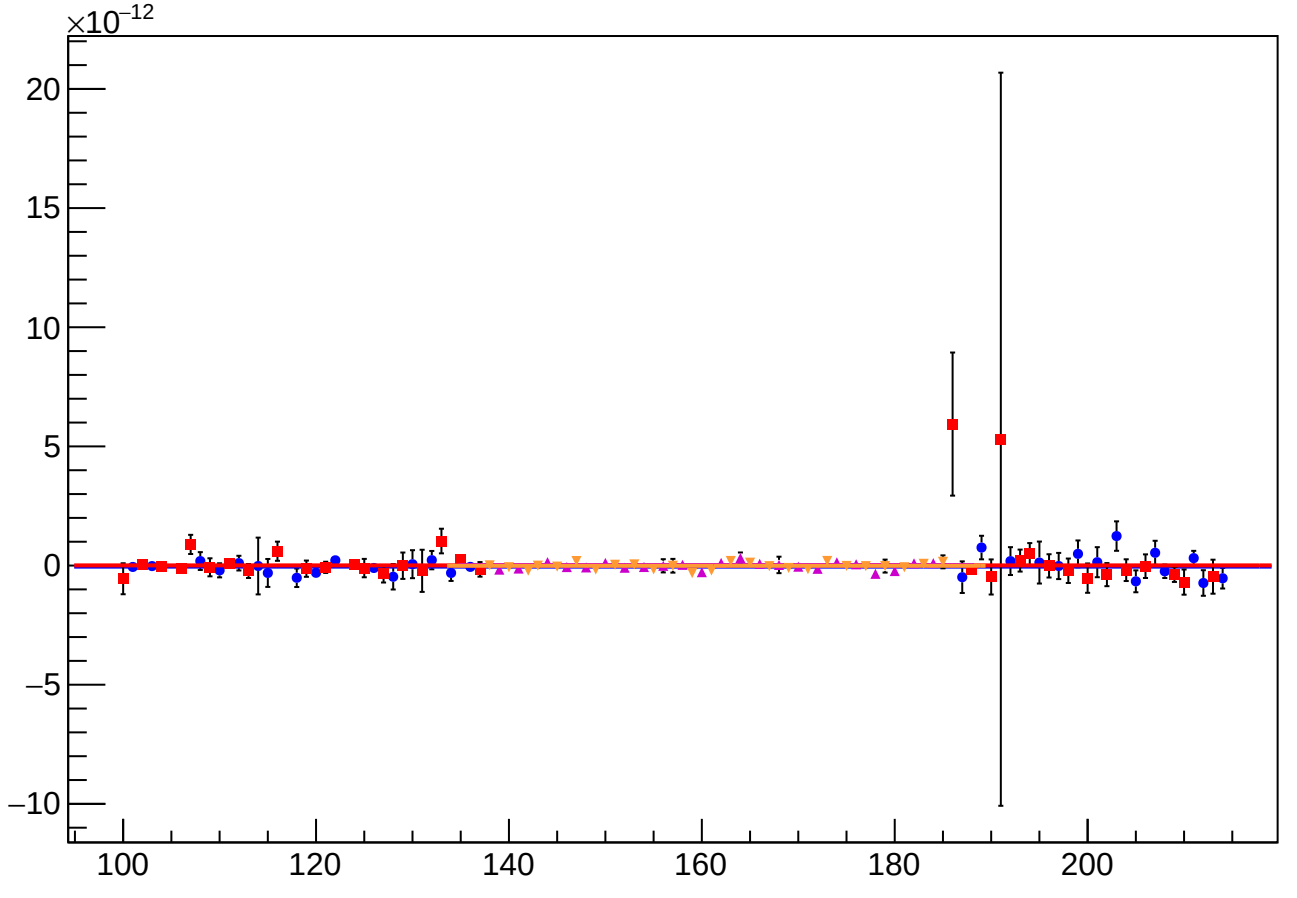
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3877.410+/-0.459 χ^2/NDF: 2577854.7/63

In: 4237.081+/-0.505 χ^2/NDF:2719062.8/52

Out: 4160.340+/-0.489 χ^2/NDF:3365408.7/58

All: 4197.422+/-0.351 χ^2/NDF: 6096387.8/11



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

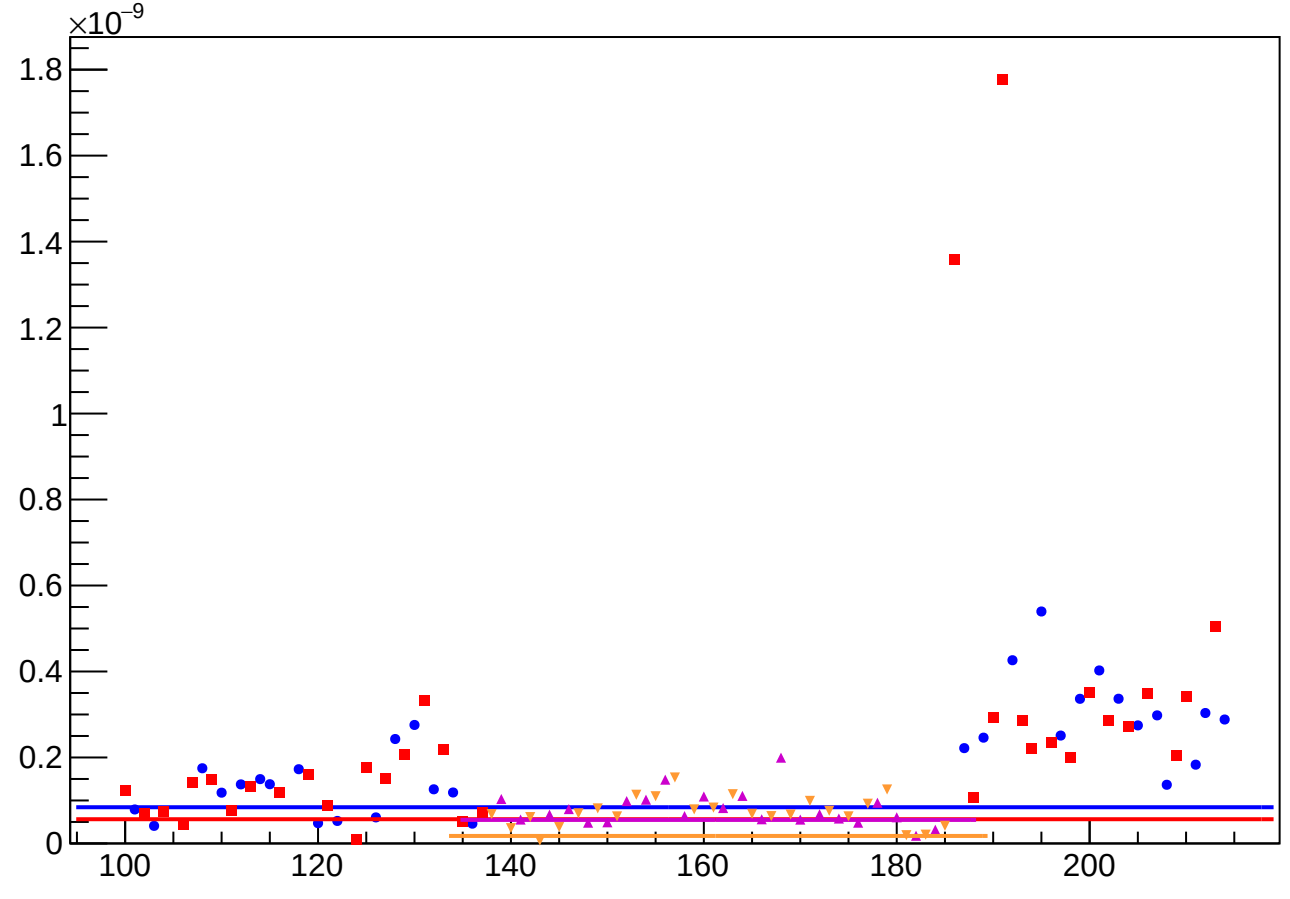
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 56.5/63

In: 0.000+/-0.000 χ^2/NDF:52.7/52

Out: -0.000+/-0.000 χ^2/NDF:53.5/58

All: -0.000+/-0.000 χ^2/NDF: 106.3/111



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

Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

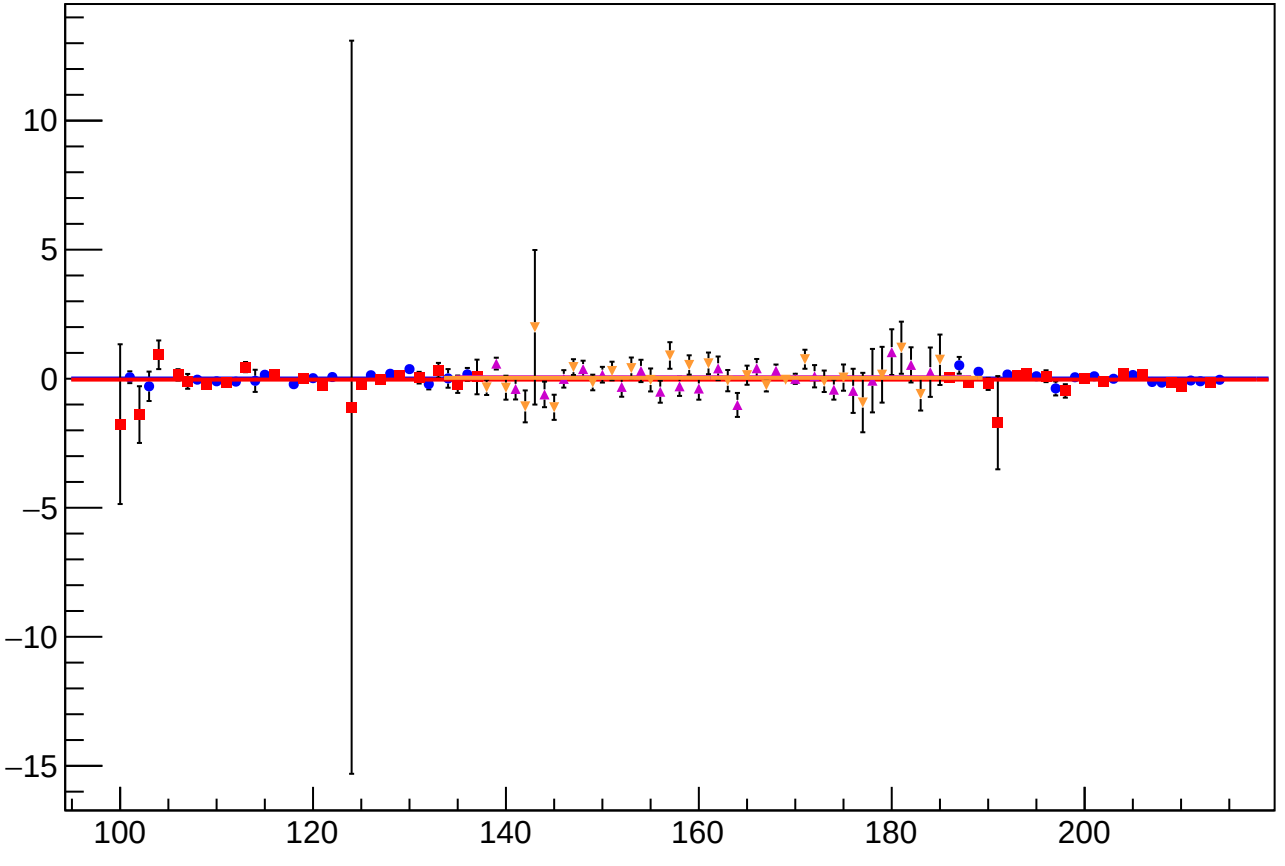
Right: 0.000+/-0.000 χ^2/NDF: 16485567.7/63

In: 0.000+/-0.000 χ^2/NDF:10144582.4/52

Out: 0.000+/-0.000 χ^2/NDF:20563506.3/58

All: 0.000+/-0.000 χ^2/NDF: 36765618.5/111

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

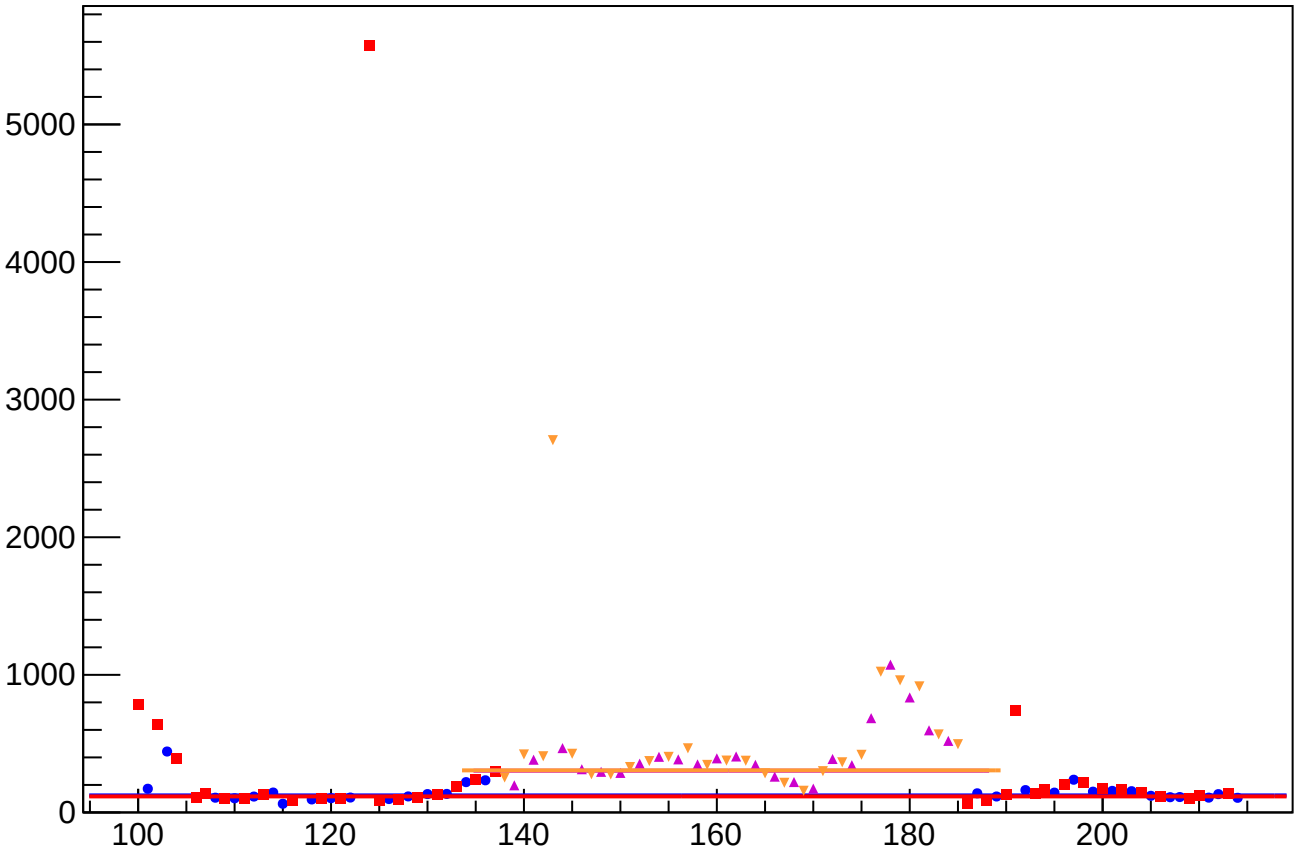
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.014+/-0.021 χ^2/NDF: 67.7/63

In: 0.014+/-0.029 χ^2/NDF:51.7/52

Out: -0.026+/-0.028 χ^2/NDF:72.6/58

All: -0.006+/-0.020 χ^2/NDF: 125.2/111



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

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

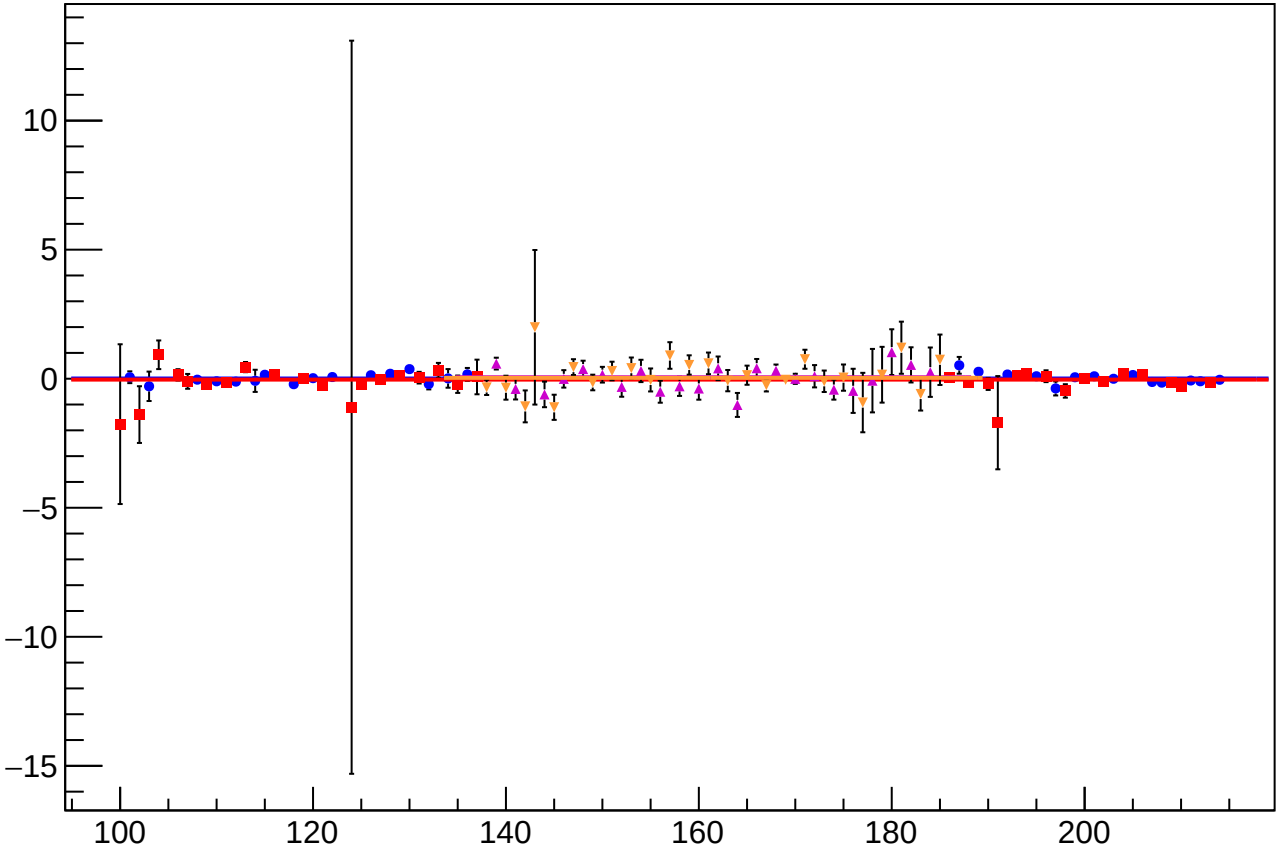
Right: 120.182+/-0.015 χ^2/NDF: 7076514.3/63

In: 148.736+/-0.020 χ^2/NDF:16650987.0/52

Out: 140.832+/-0.020 χ^2/NDF:21380261.1/58

All: 144.664+/-0.014 χ^2/NDF: 38109288.2/11

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

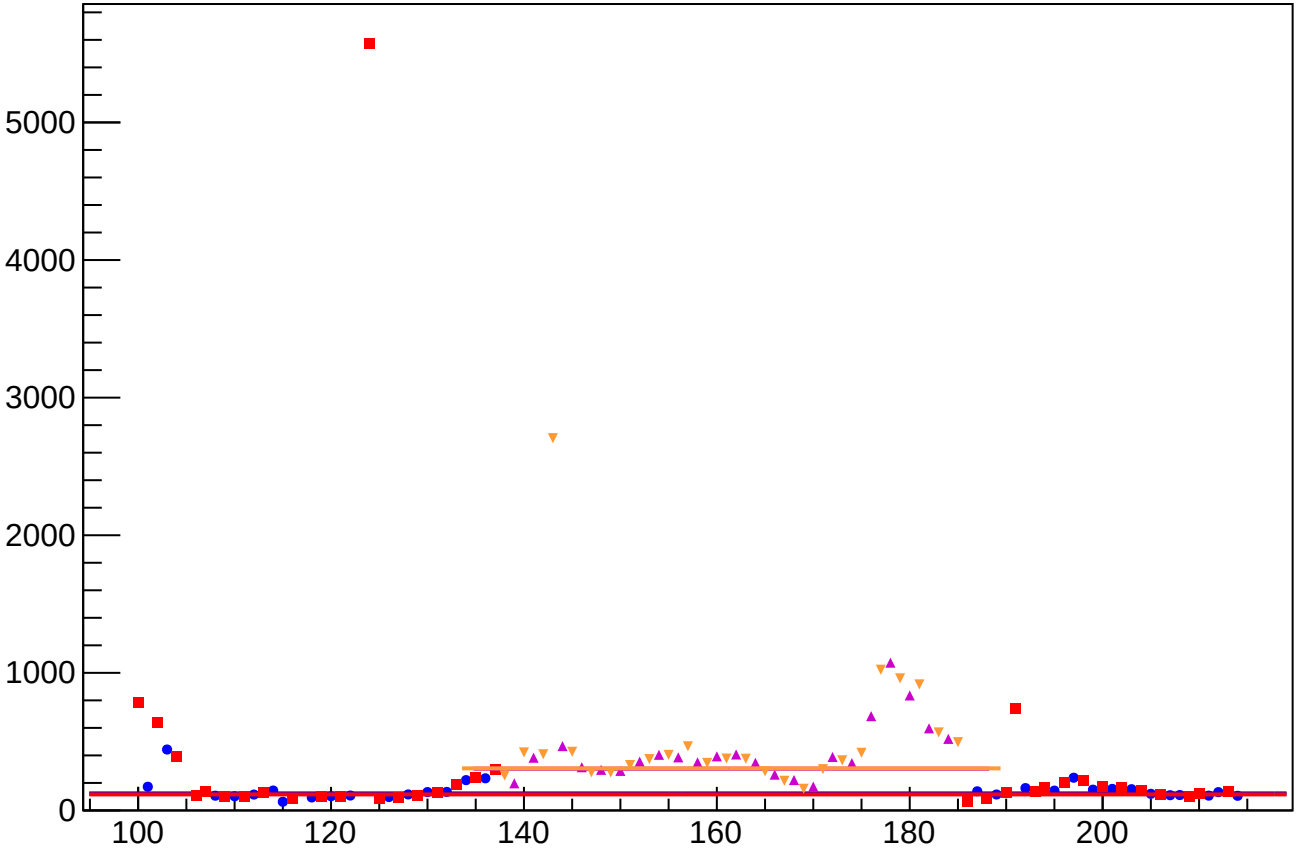
Right: -0.014+/-0.021 χ^2/NDF: 67.7/63

In: 0.014+/-0.029 χ^2/NDF:51.7/52

Out: -0.026+/-0.028 χ^2/NDF:72.6/58

All: -0.006+/-0.020 χ^2/NDF: 125.2/111

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

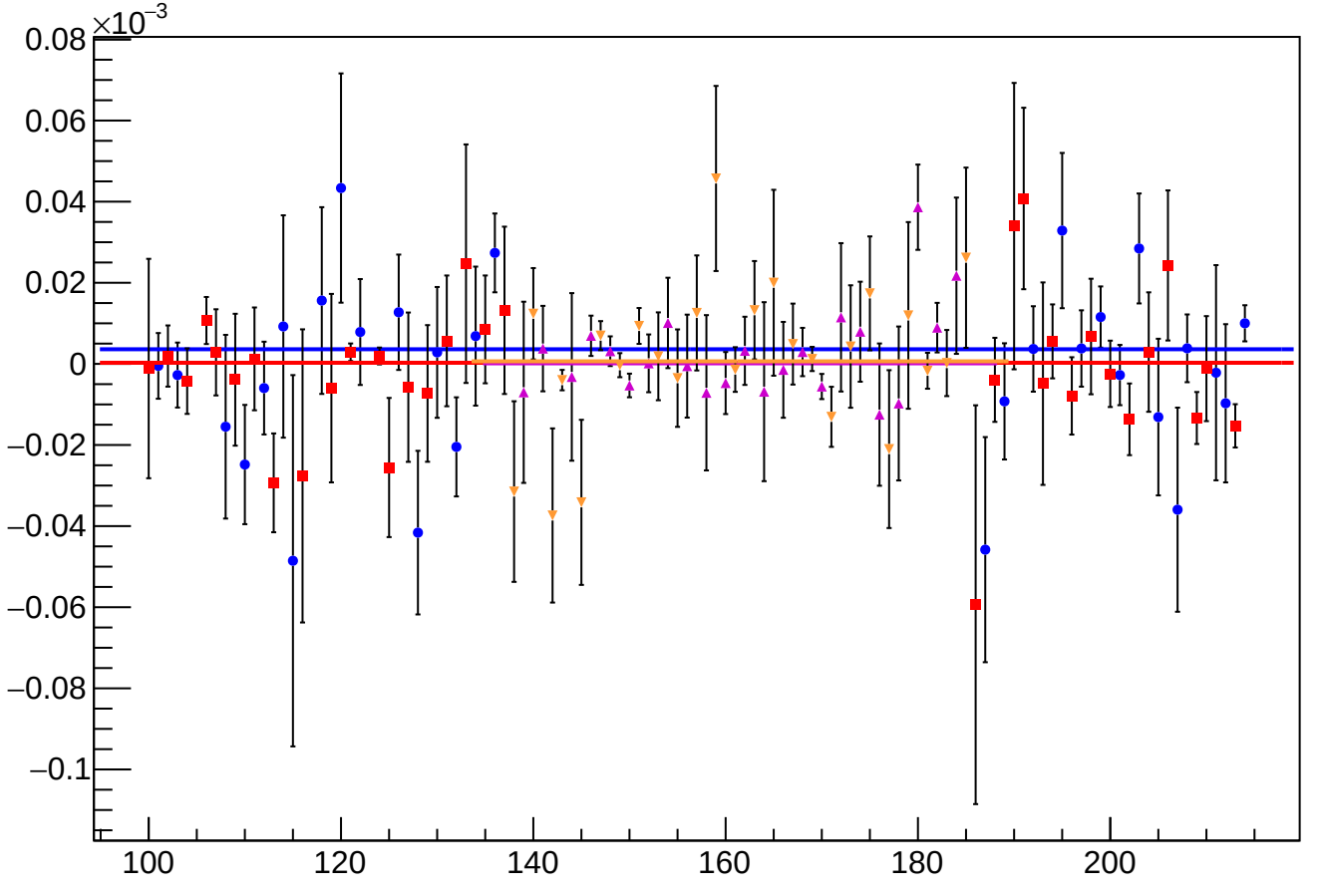
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 120.182+/-0.015 χ^2/NDF: 7076514.3/63

In: 148.736+/-0.020 χ^2/NDF:16650987.0/52

Out: 140.832+/-0.020 χ^2/NDF:21380261.1/58

All: 144.664+/-0.014 χ^2/NDF: 38109288.2/11



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

Left: 0.000+/-0.000 χ^2/NDF: 64.5/47

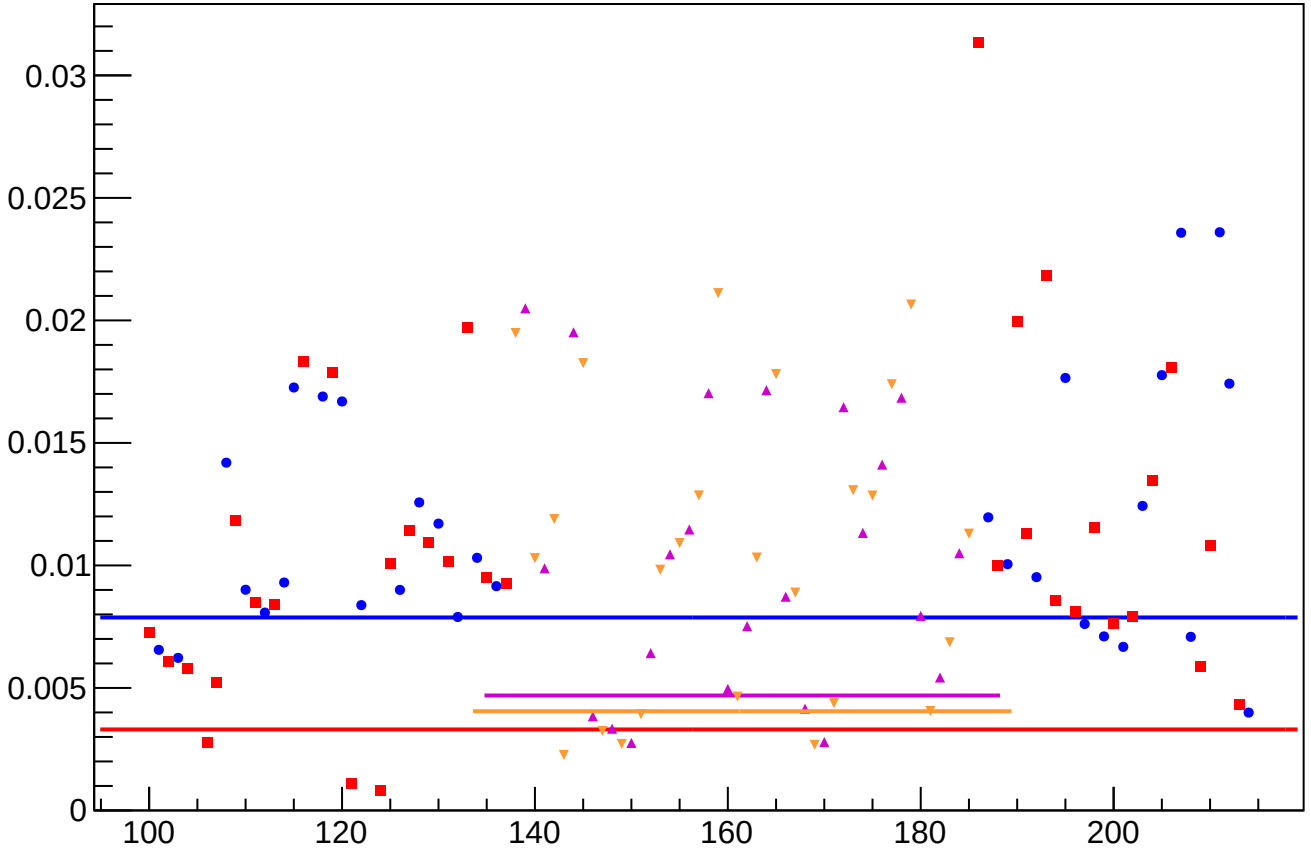
Right: 0.000+/-0.000 χ^2/NDF: 85.3/63

In: 0.000+/-0.000 χ^2/NDF:74.1/52

Out: 0.000+/-0.000 χ^2/NDF:75.7/58

All: 0.000+/-0.000 χ^2/NDF: 150.1/111

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

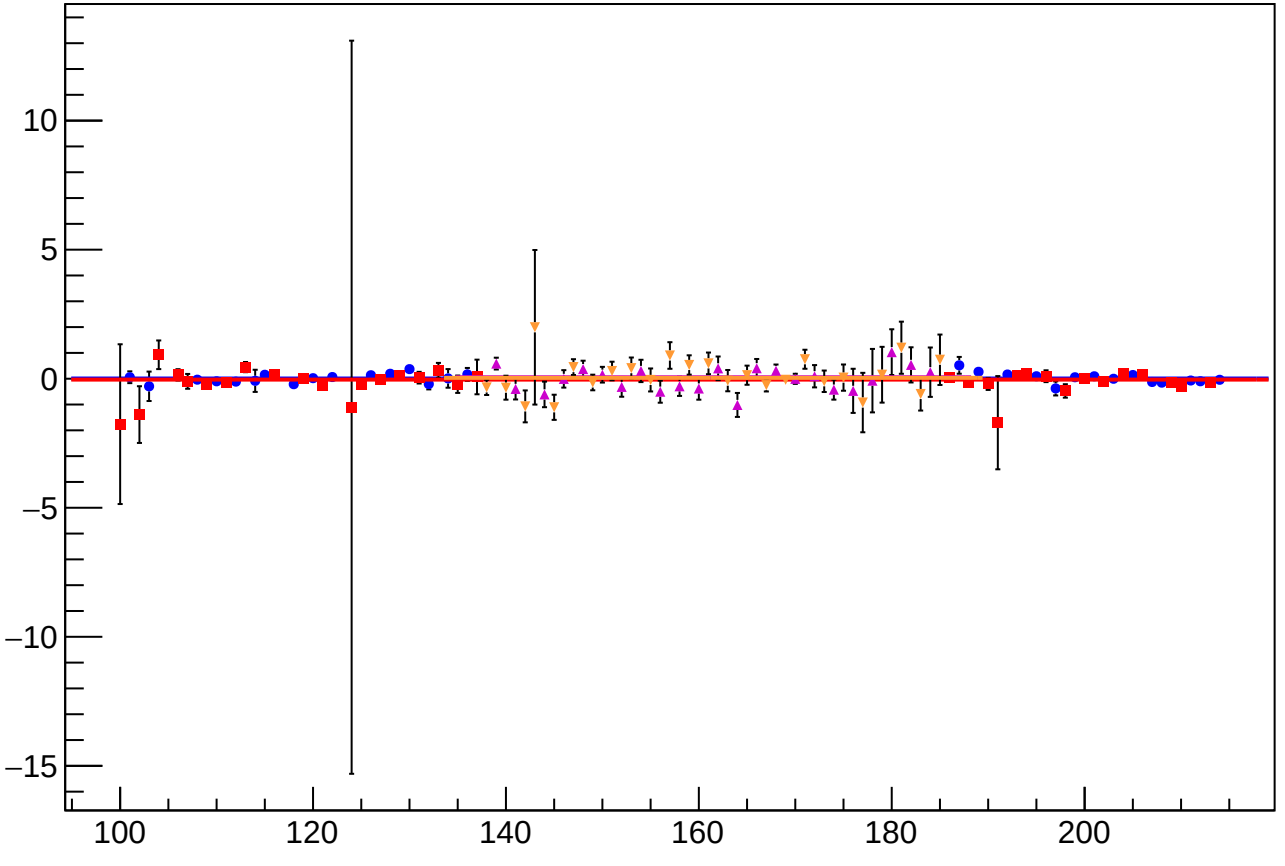
Right: 0.004+/-0.000 χ^2/NDF: 33559124.0/63

In: 0.006+/-0.000 χ^2/NDF:20276924.5/52

Out: 0.004+/-0.000 χ^2/NDF:34042887.6/58

All: 0.004+/-0.000 χ^2/NDF: 58230710.7/111

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

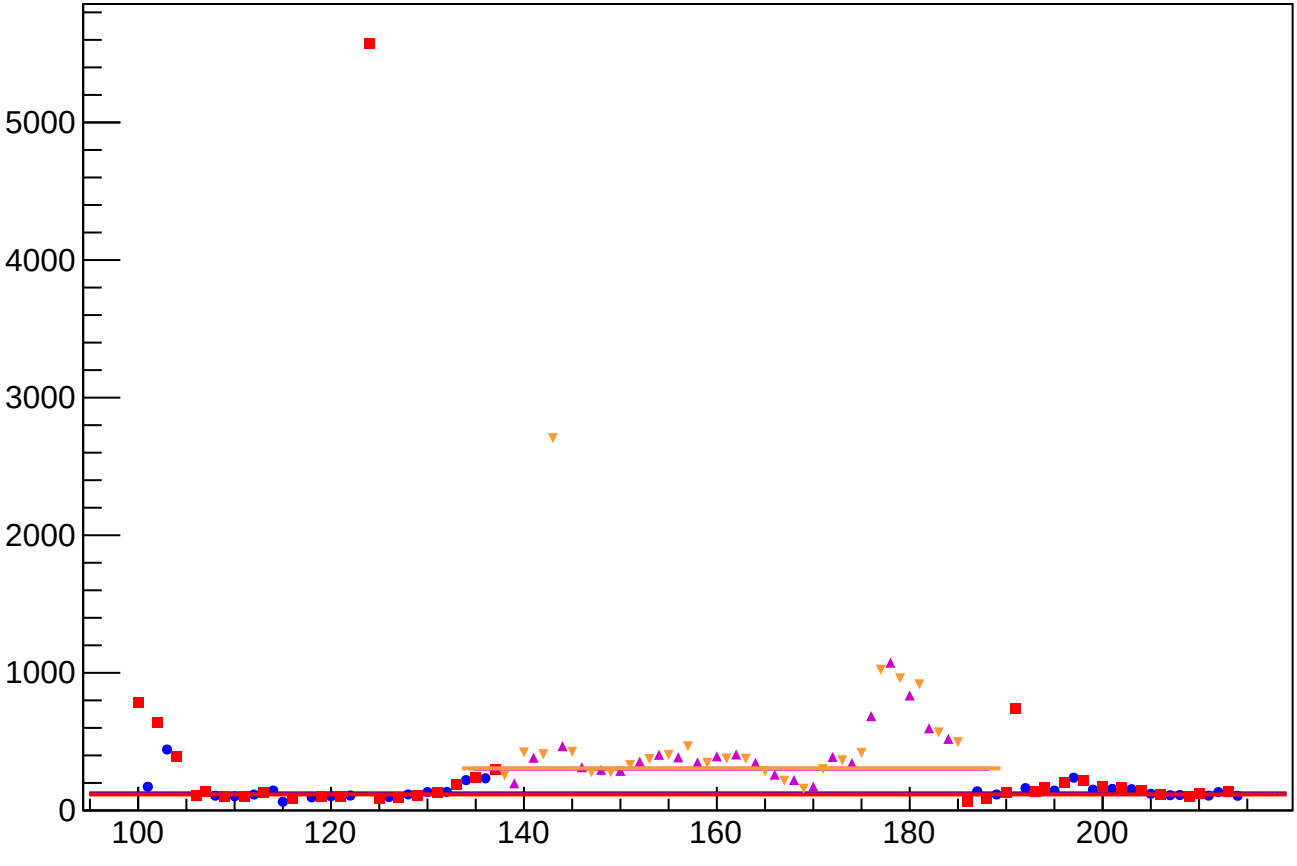
Right: -0.014+/-0.021 χ^2/NDF: 67.7/63

In: 0.014+/-0.029 χ^2/NDF:51.7/52

Out: -0.026+/-0.028 χ^2/NDF:72.6/58

All: -0.006+/-0.020 χ^2/NDF: 125.2/111

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

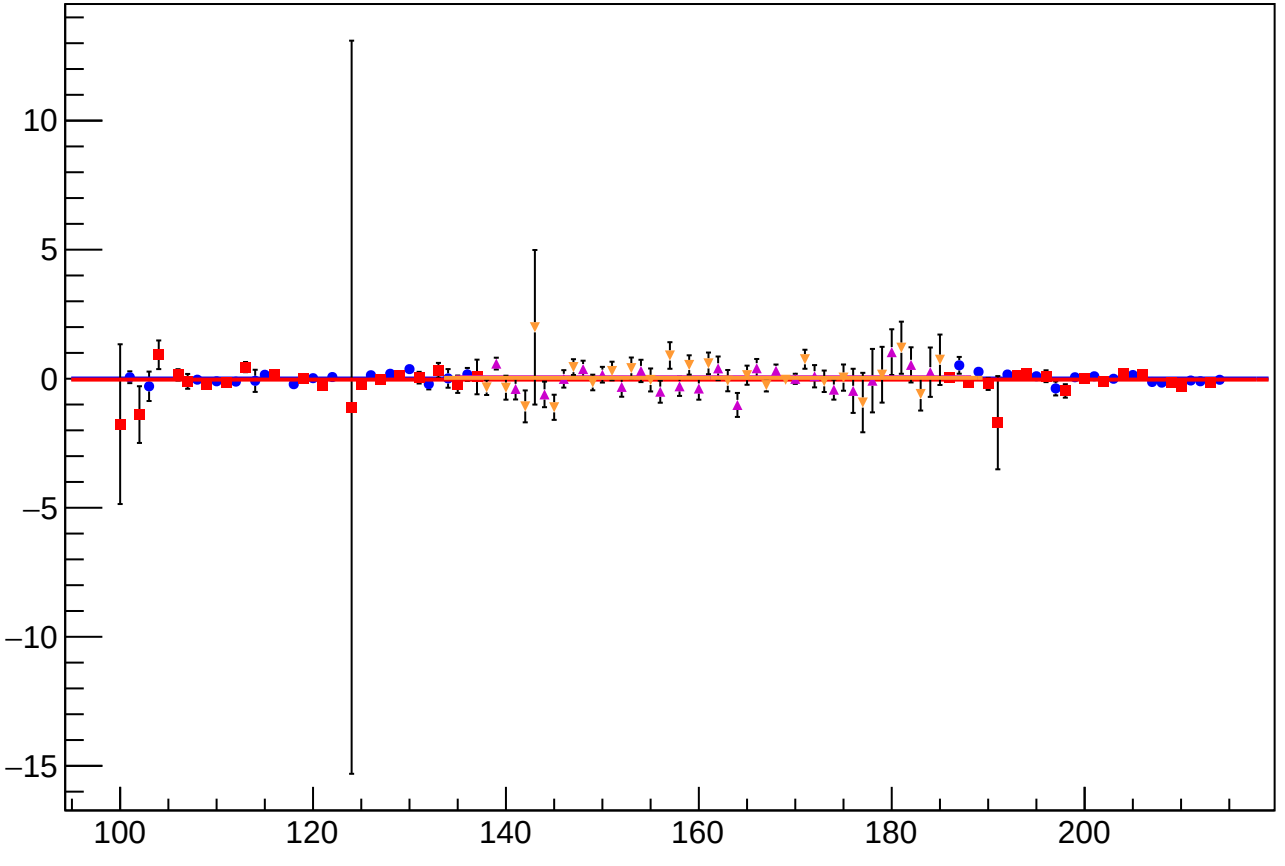
Right: 120.183+/-0.015 χ^2/NDF: 7076327.6/63

In: 148.737+/-0.020 χ^2/NDF:16650966.0/52

Out: 140.833+/-0.020 χ^2/NDF:21380107.6/58

All: 144.665+/-0.014 χ^2/NDF: 38109114.9/11

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

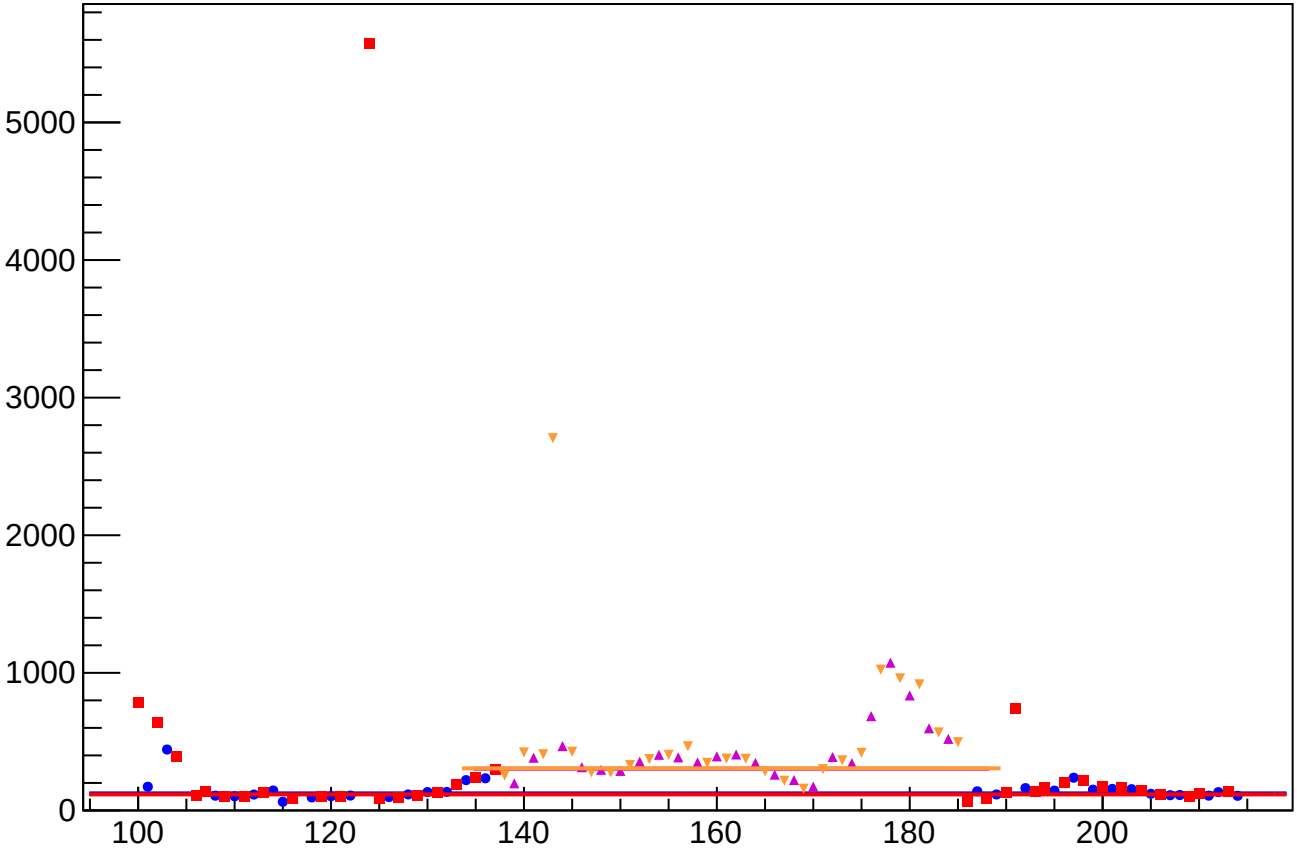
Right: -0.014+/-0.021 χ^2/NDF: 67.7/63

In: 0.014+/-0.029 χ^2/NDF:51.7/52

Out: -0.026+/-0.028 χ^2/NDF:72.6/58

All: -0.006+/-0.020 χ^2/NDF: 125.2/111

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

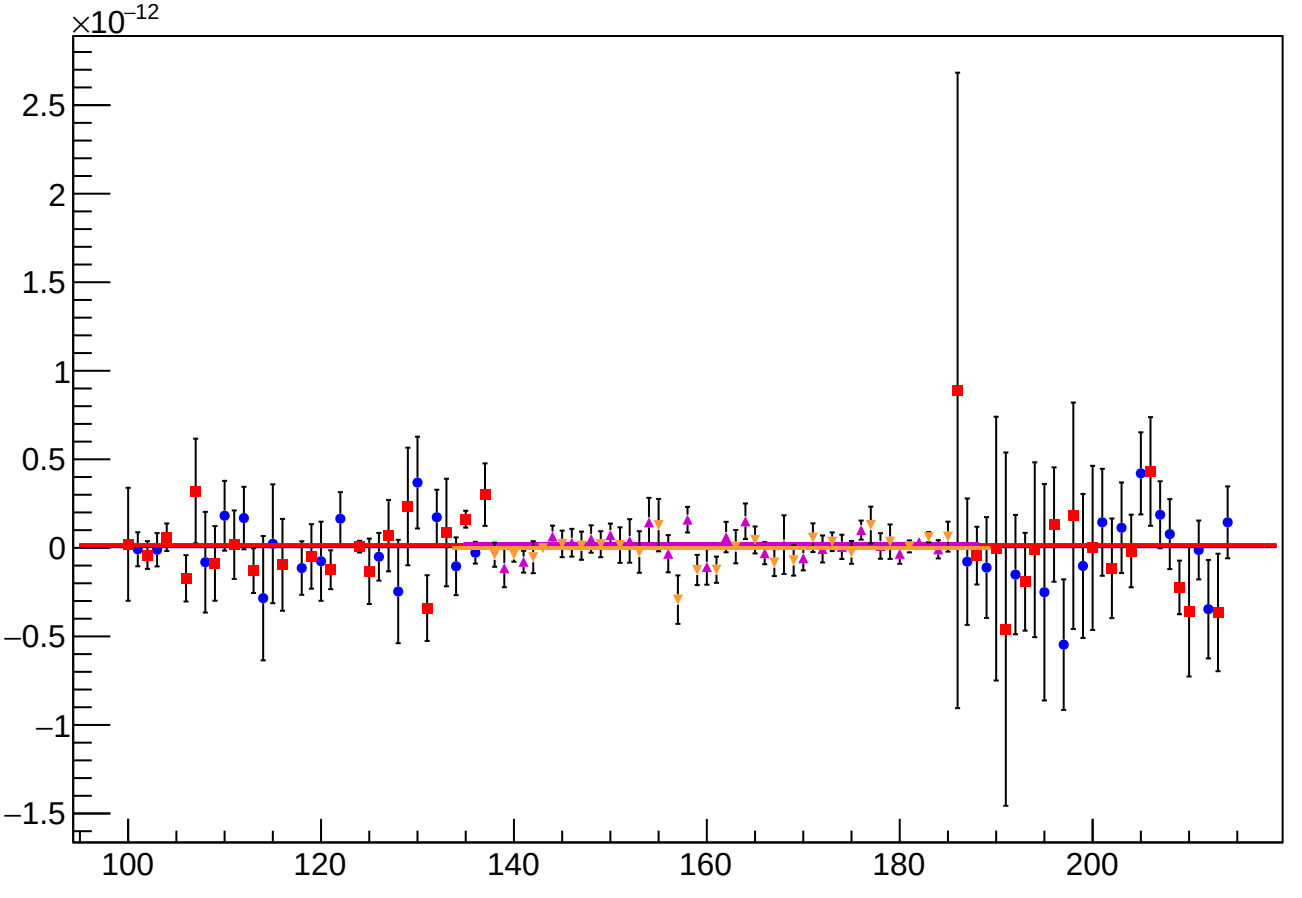
Right: 120.183+/-0.015 χ^2/NDF: 7076327.6/63

In: 148.737+/-0.020 χ^2/NDF:16650966.0/52

Out: 140.833+/-0.020 χ^2/NDF:21380107.6/58

All: 144.665+/-0.014 χ^2/NDF: 38109114.9/11

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

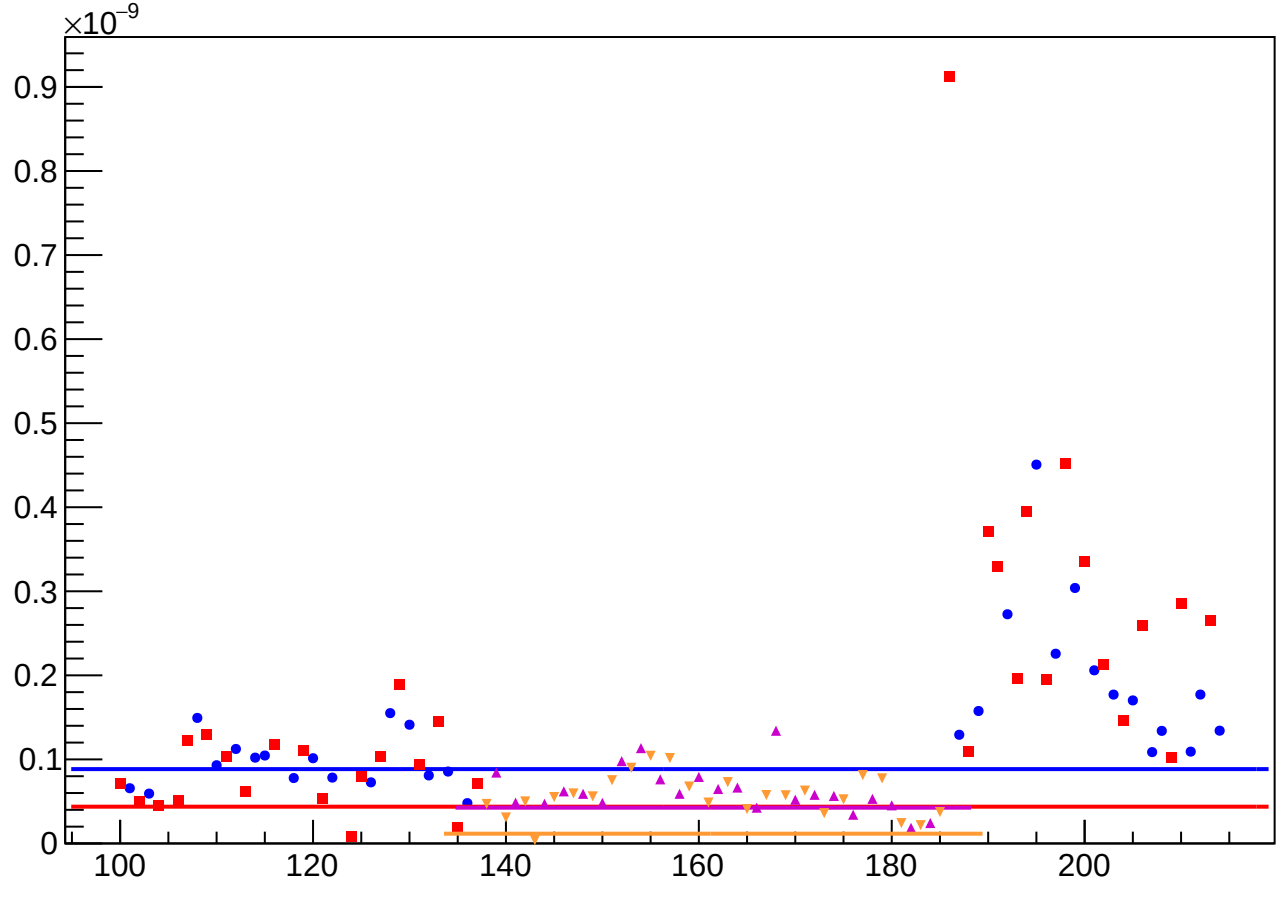
Right: 0.000+/-0.000 χ^2/NDF: 51.5/63

In: 0.000+/-0.000 χ^2/NDF:38.4/52

Out: 0.000+/-0.000 χ^2/NDF:55.3/58

All: 0.000+/-0.000 χ^2/NDF: 95.9/111

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

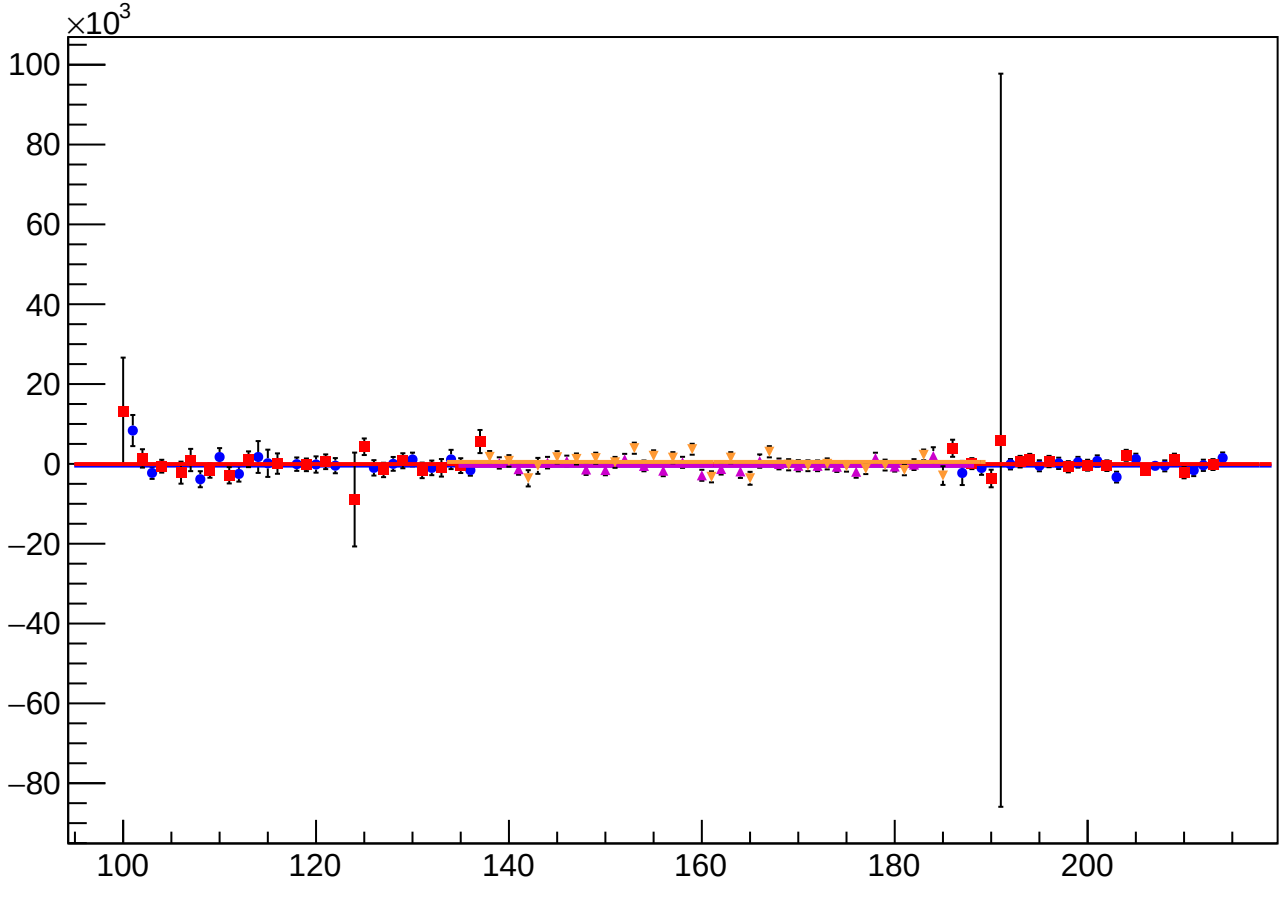
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 22296278.5/63

In: 0.000+/-0.000 χ^2/NDF:14280851.2/52

Out: 0.000+/-0.000 χ^2/NDF:36590276.2/58

All: 0.000+/-0.000 χ^2/NDF: 65047986.9/111



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

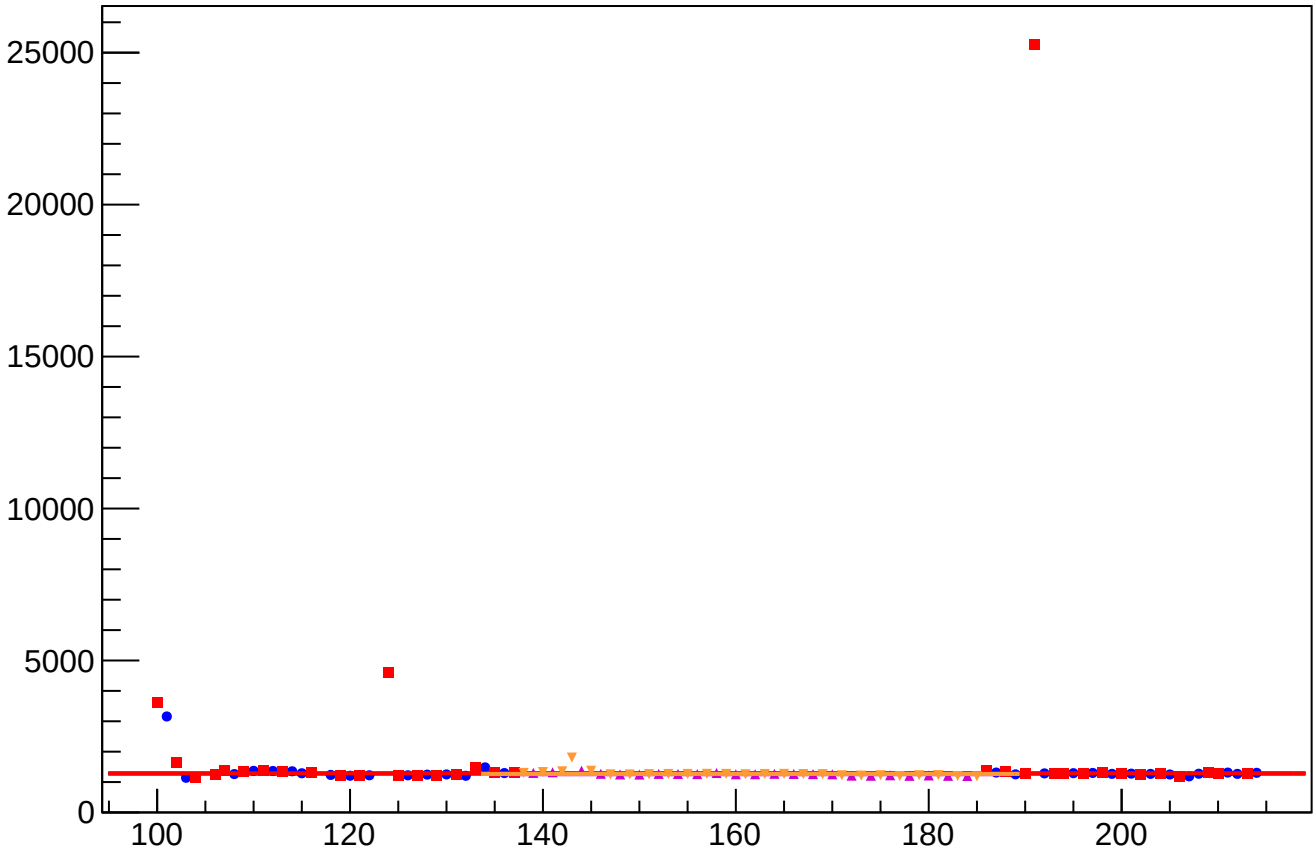
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -234.815+/-212.727 χ^2/NDF: 56.4/63

In: -457.436+/-210.227 χ^2/NDF:38.9/52

Out: 235.437+/-208.181 χ^2/NDF:79.7/58

All: -107.611+/-147.924 χ^2/NDF: 124.1/111



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

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

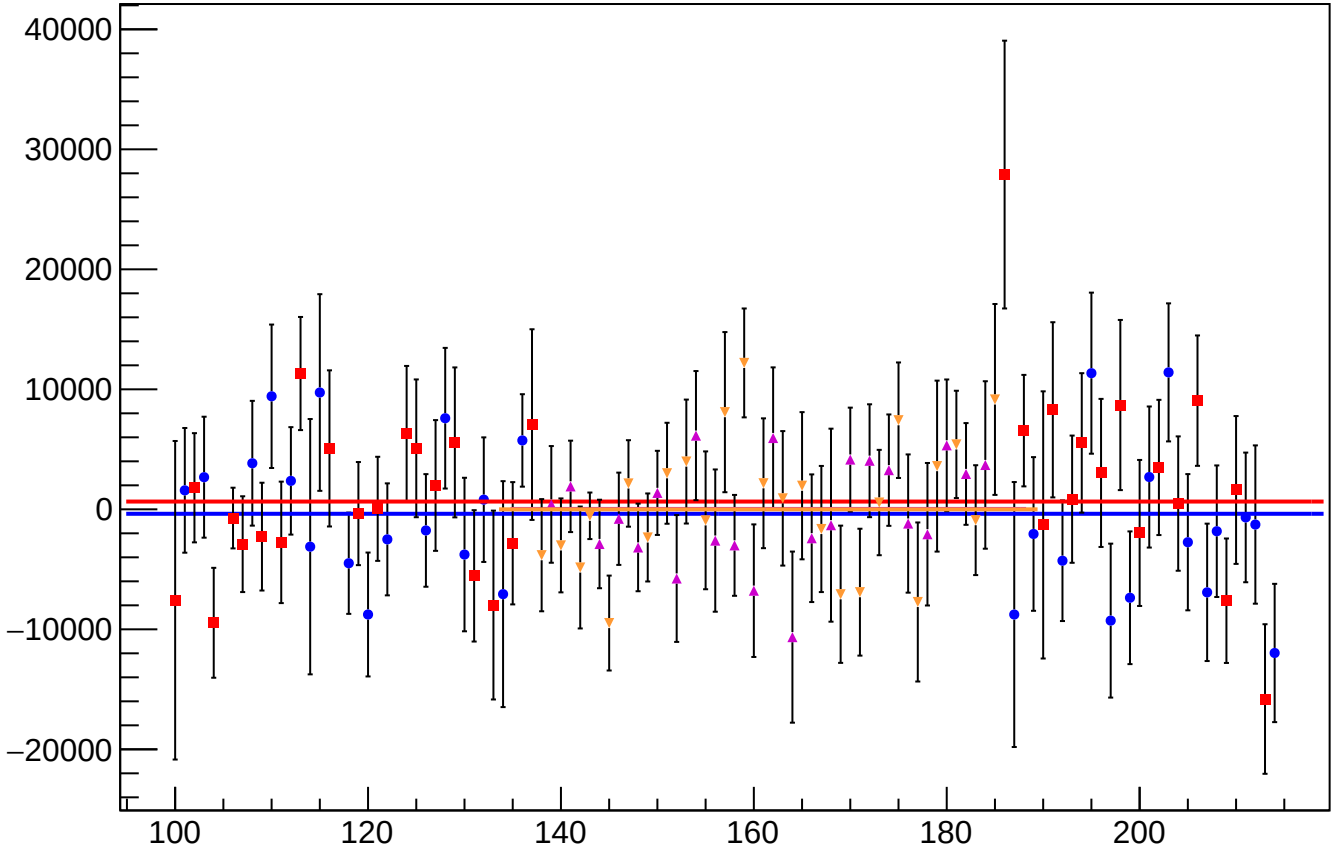
Right: 1283.948+/-0.150 χ^2/NDF: 1014188.8/63

In: 1267.881+/-0.149 χ^2/NDF:572123.5/52

Out: 1277.611+/-0.147 χ^2/NDF:675966.6/58

All: 1272.796+/-0.105 χ^2/NDF: 1250254.6/11

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



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

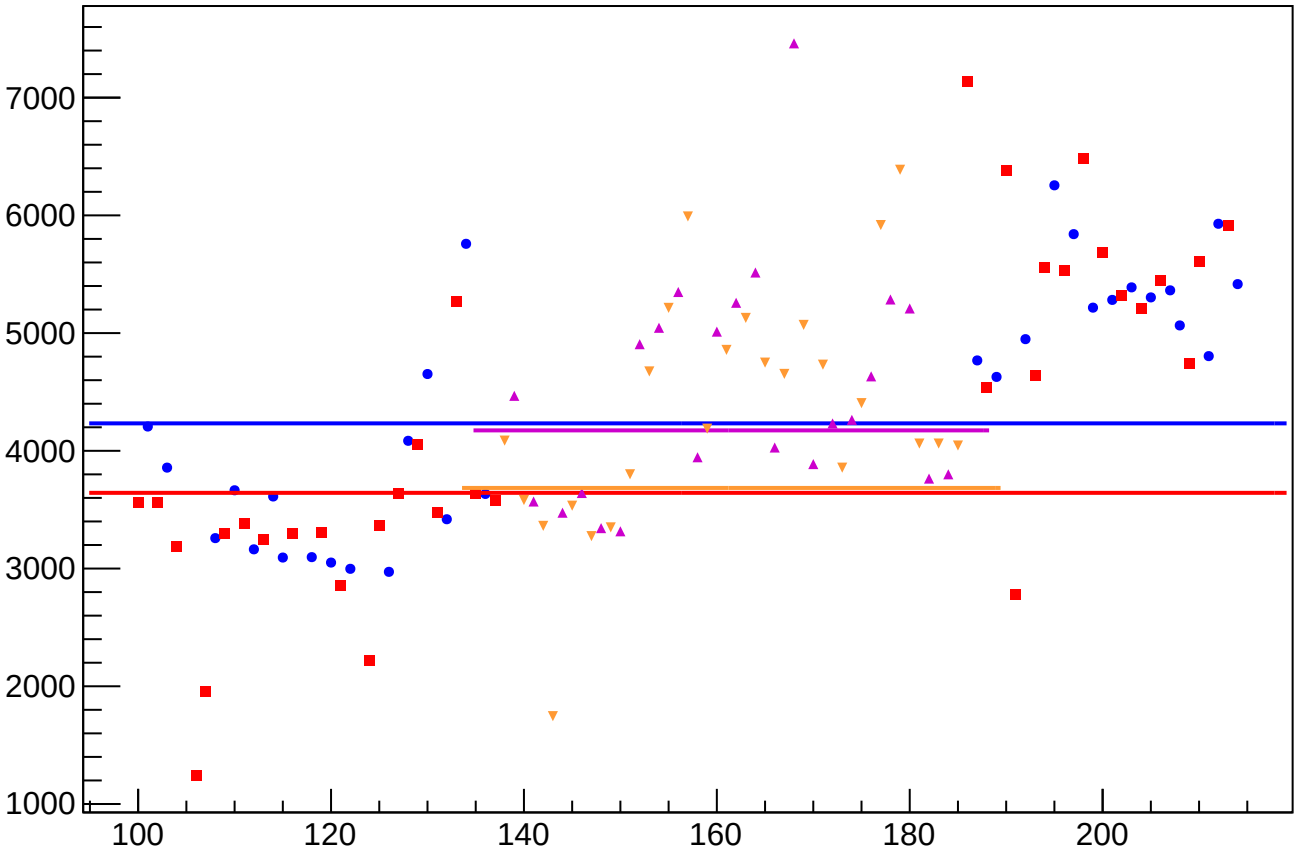
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 197.728+/-677.543 χ^2/NDF: 75.4/63

In: -165.190+/-712.203 χ^2/NDF:46.9/52

Out: 316.432+/-633.887 χ^2/NDF:71.3/58

All: 103.547+/-473.503 χ^2/NDF: 118.5/111



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

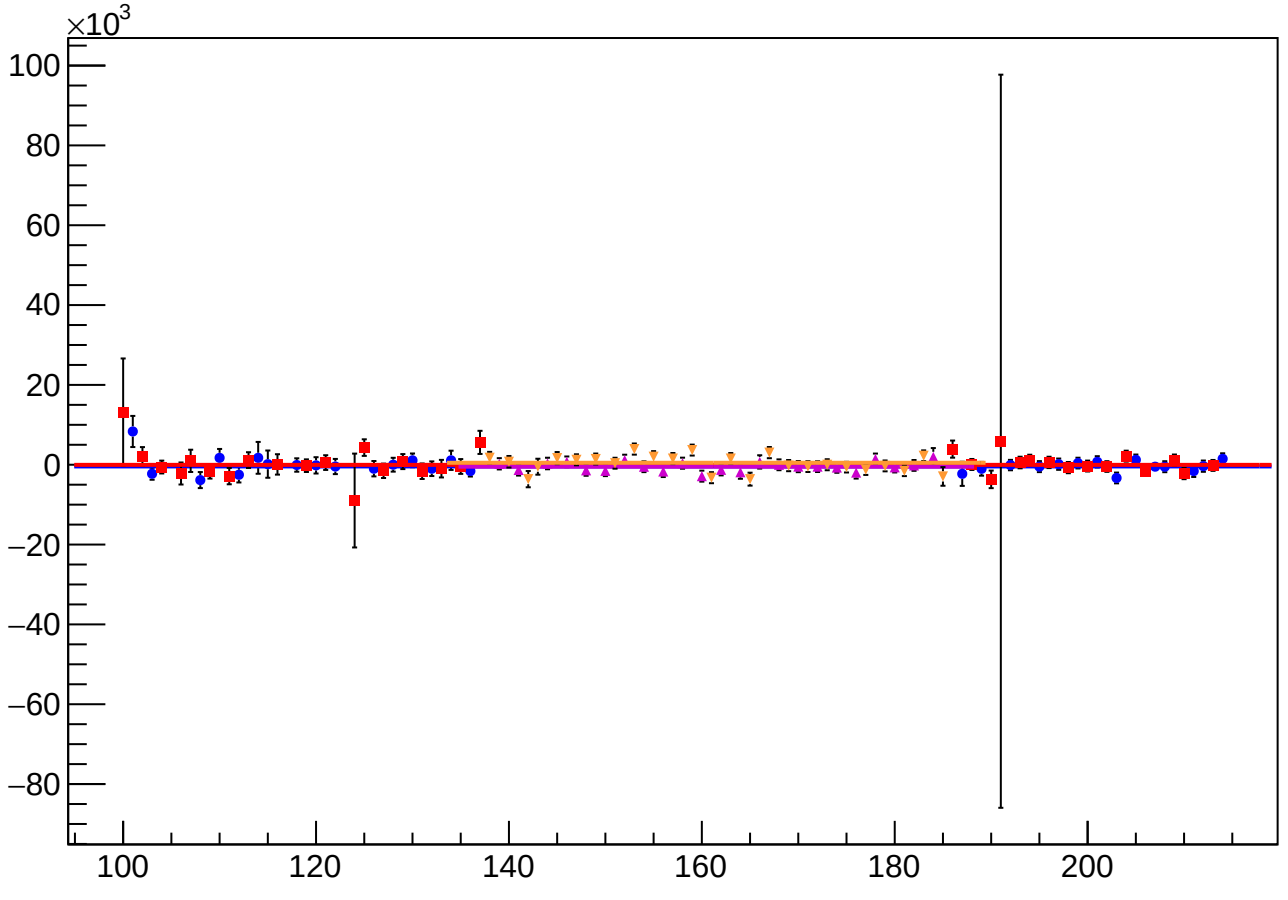
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3903.734+/-0.479 χ^2/NDF: 7408769.0/63

In: 4202.673+/-0.504 χ^2/NDF:3233689.3/52

Out: 3664.401+/-0.448 χ^2/NDF:8775216.7/58

All: 3902.326+/-0.335 χ^2/NDF: 12646359.8/1



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

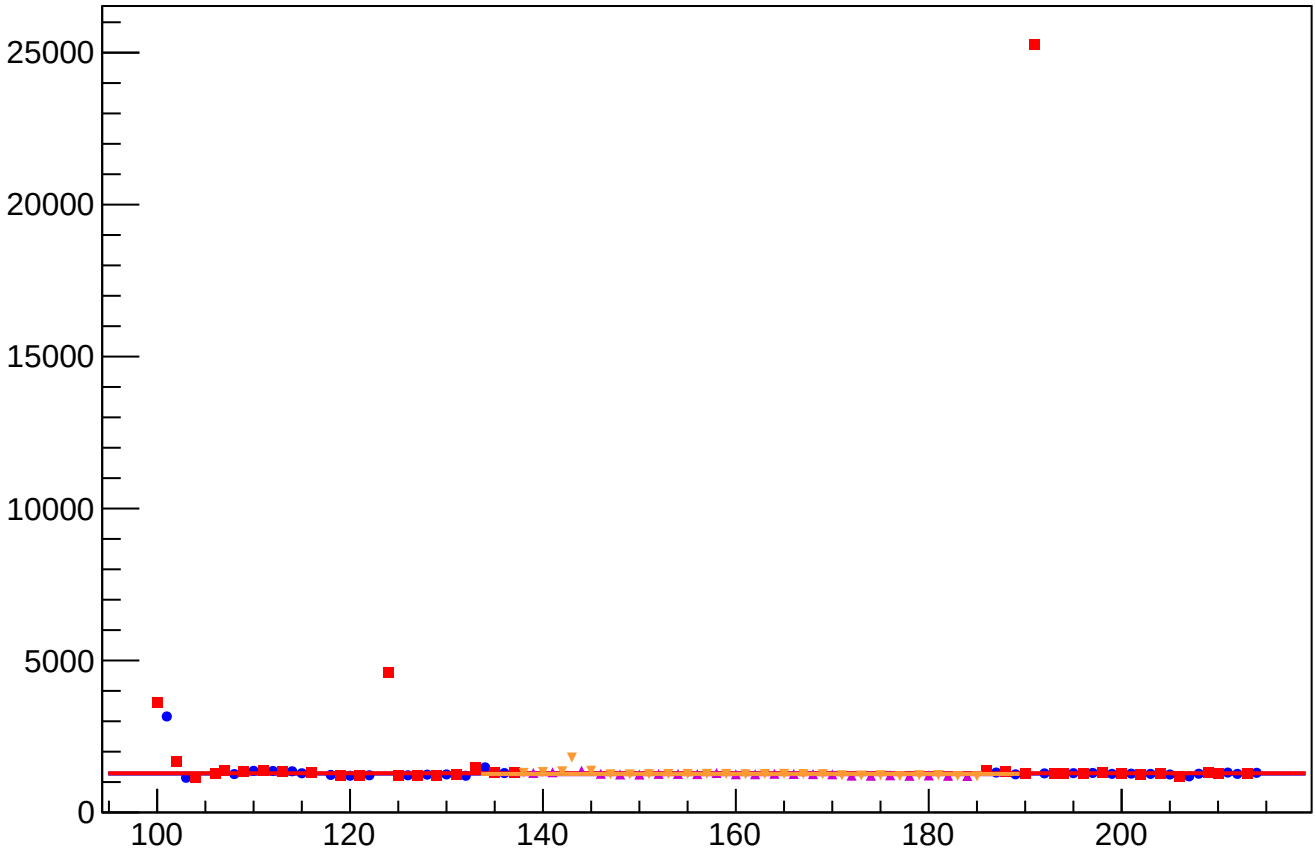
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -229.428+/-212.754 χ^2/NDF: 56.9/63

In: -457.455+/-210.227 χ^2/NDF:38.9/52

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -104.960+/-147.933 χ^2/NDF: 124.5/111



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

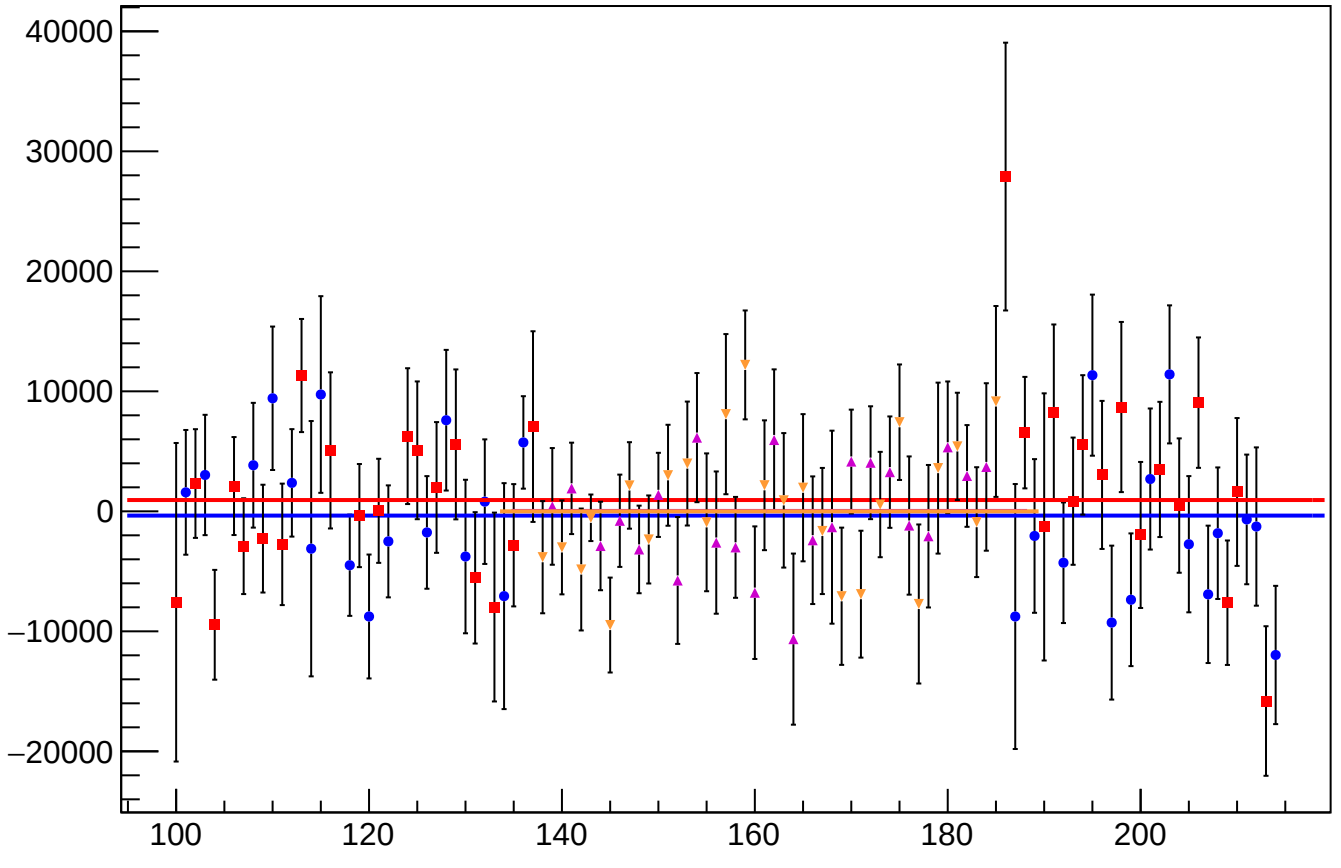
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1284.326+/-0.150 χ^2/NDF: 1021248.9/63

In: 1267.881+/-0.149 χ^2/NDF:572124.9/52

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1272.976+/-0.105 χ^2/NDF: 1257688.3/11



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

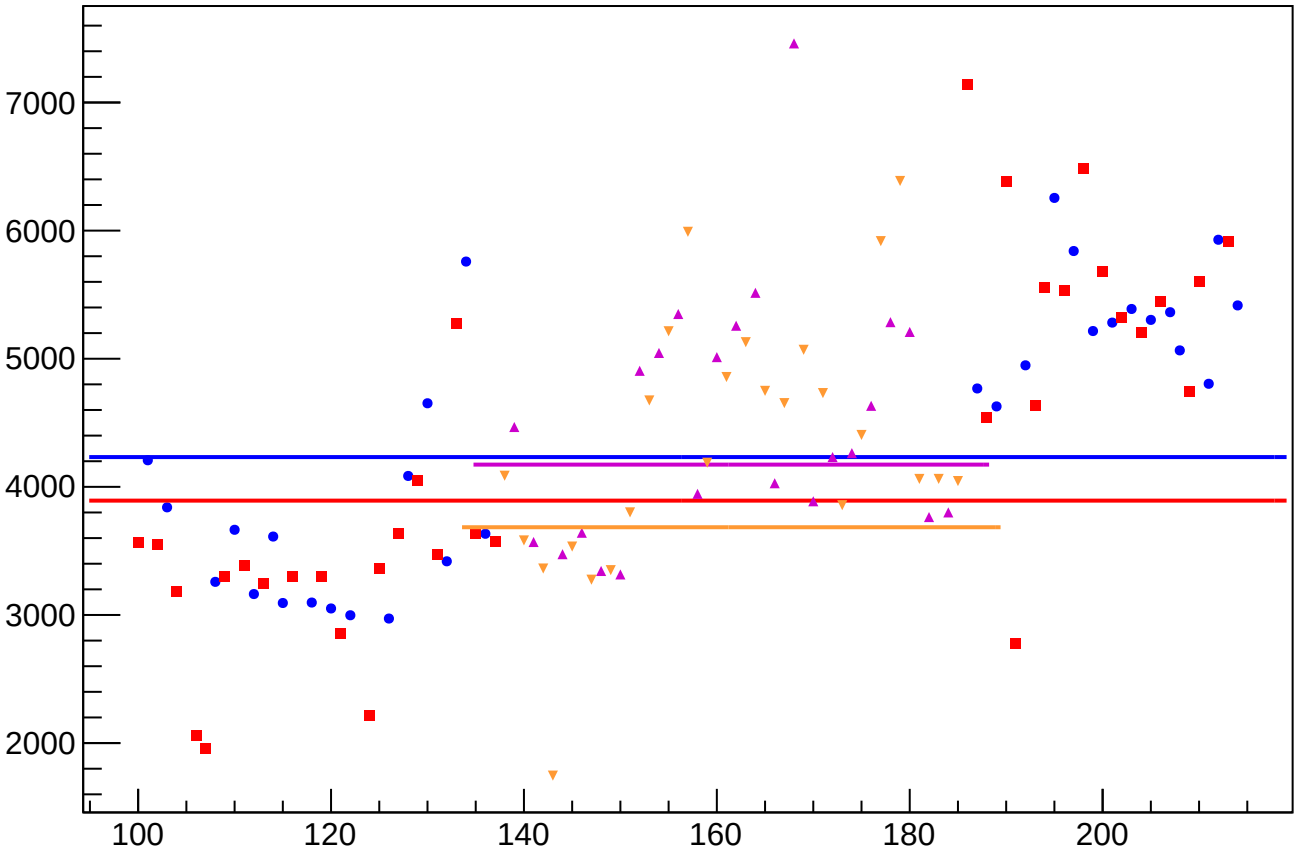
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 341.315+/-692.869 χ^2/NDF: 75.6/63

In: -157.567+/-712.132 χ^2/NDF:47.0/52

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 170.033+/-478.644 χ^2/NDF: 118.8/111



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

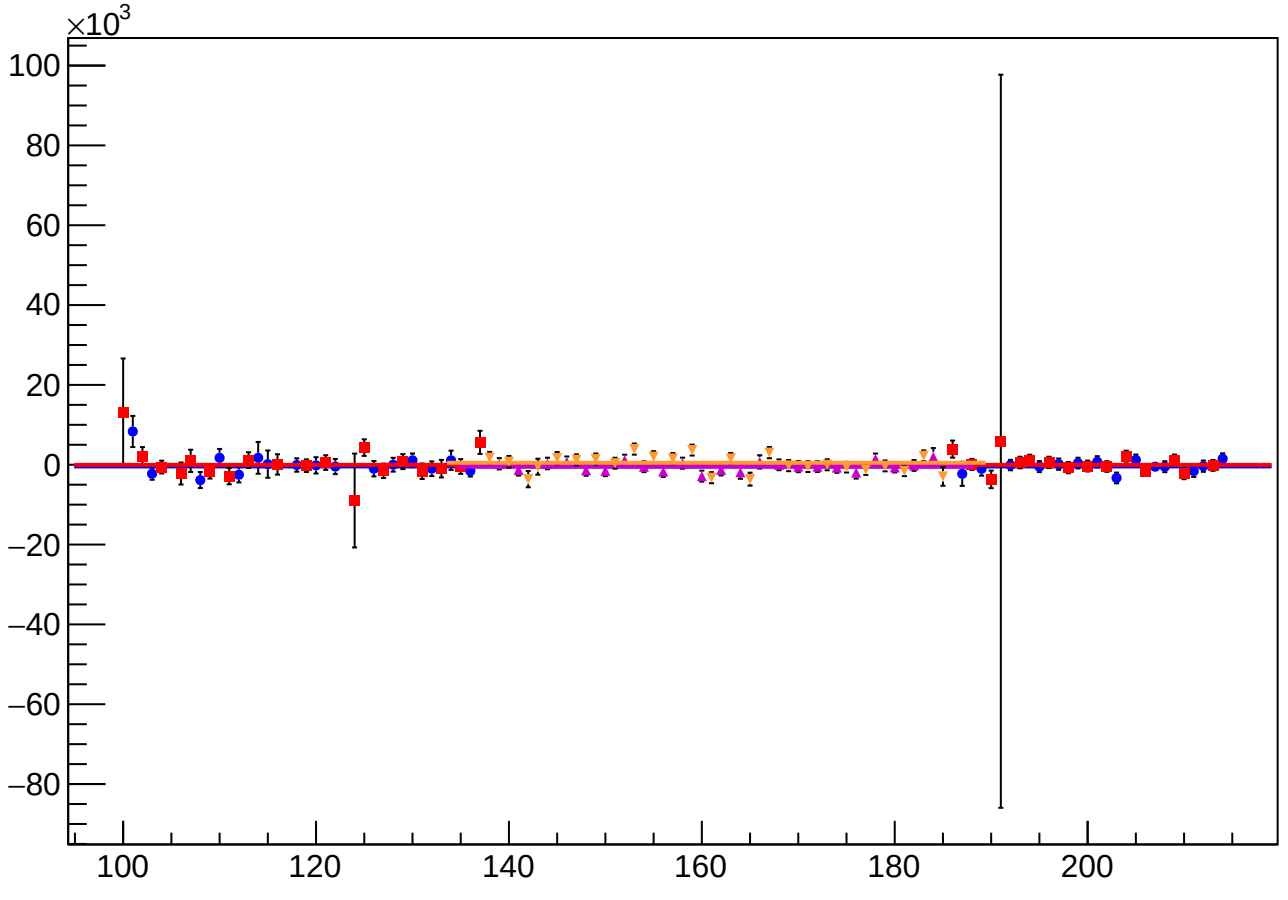
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4049.551+/-0.490 χ^2/NDF: 5514137.1/63

In: 4202.268+/-0.504 χ^2/NDF:3234766.9/52

Out: 3782.036+/-0.457 χ^2/NDF:7183241.0/58

All: 3971.879+/-0.338 χ^2/NDF: 10799829.2/1



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

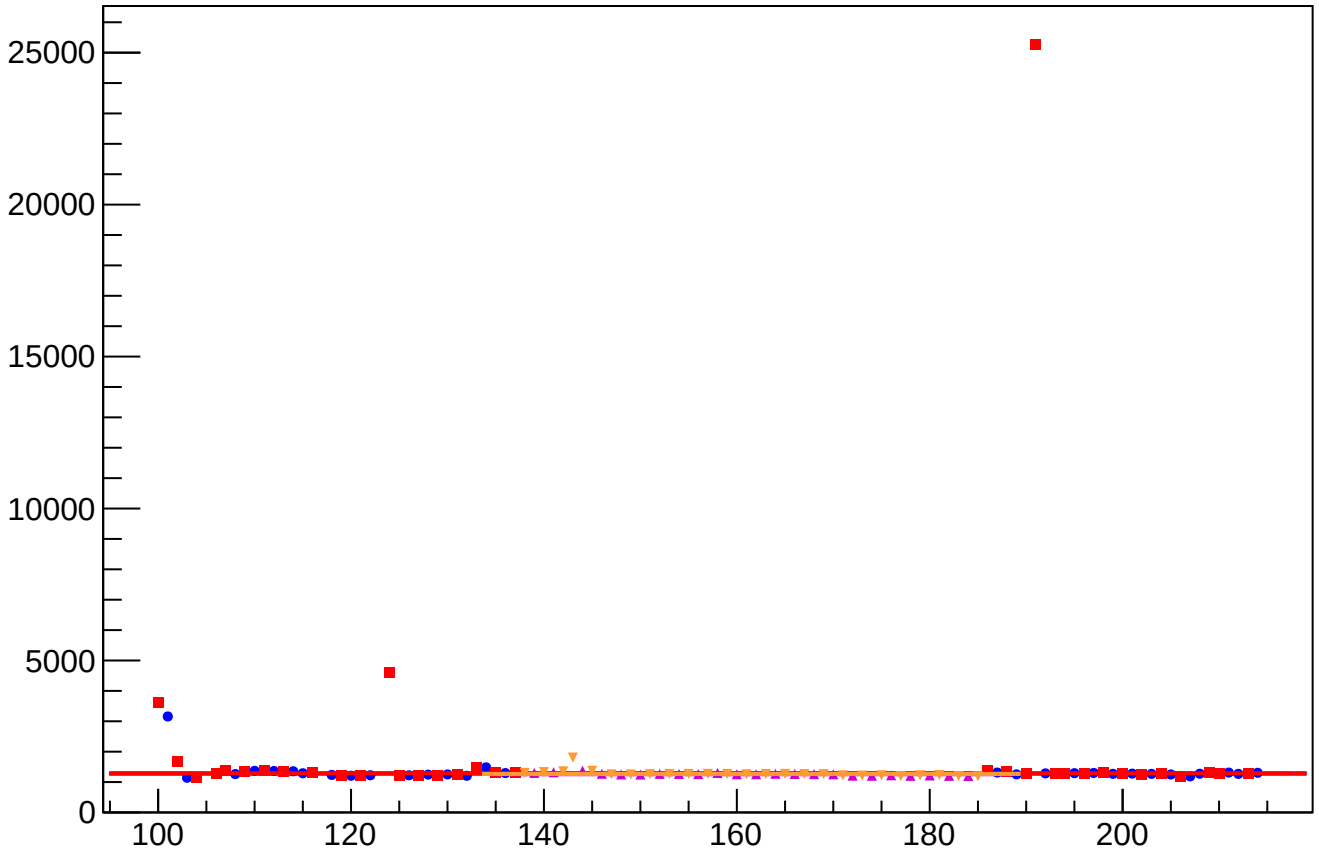
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -229.428+/-212.754 χ^2/NDF: 56.9/63

In: -457.455+/-210.227 χ^2/NDF:38.9/52

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -104.960+/-147.933 χ^2/NDF: 124.5/111



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

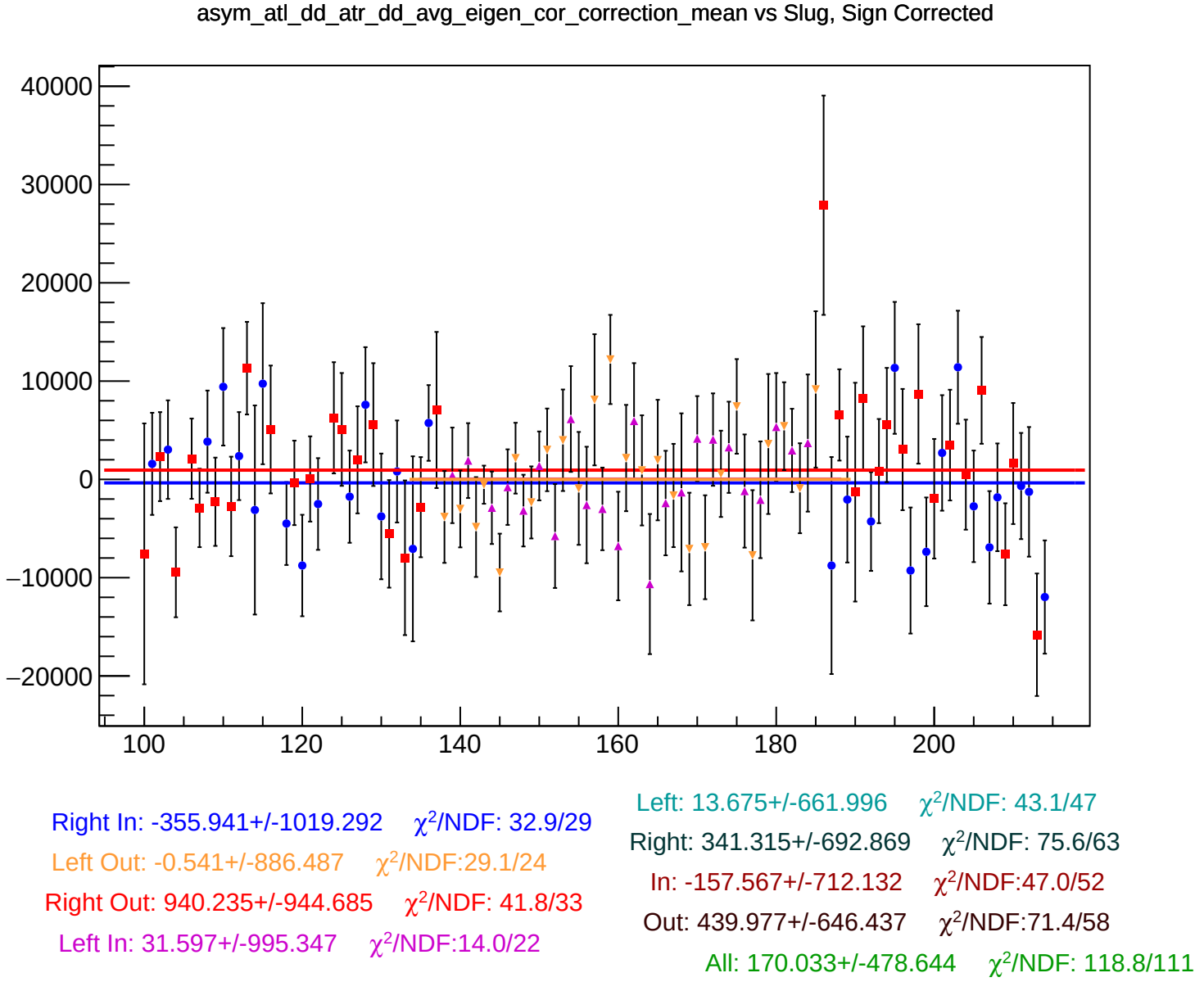
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

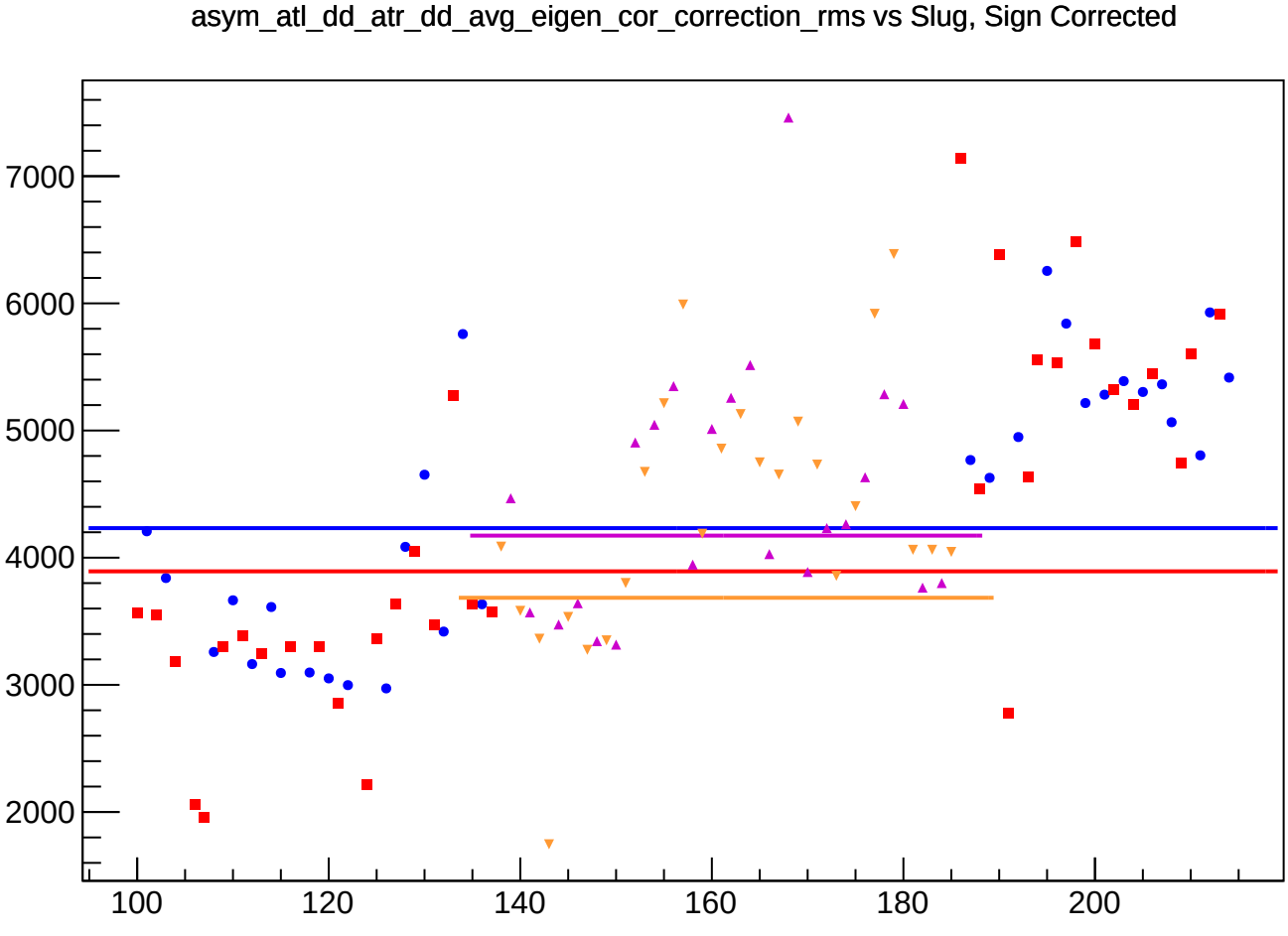
Right: 1284.326+/-0.150 χ^2/NDF: 1021248.9/63

In: 1267.881+/-0.149 χ^2/NDF:572124.9/52

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1272.976+/-0.105 χ^2/NDF: 1257688.3/11


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -355.941+/-1019.292 χ²/NDF: 32.9/29
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 940.235+/-944.685 χ²/NDF: 41.8/33
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 341.315+/-692.869 χ²/NDF: 75.6/63
In: -157.567+/-712.132 χ²/NDF:47.0/52
Out: 439.977+/-646.437 χ²/NDF:71.4/58
All: 170.033+/-478.644 χ²/NDF: 118.8/111


asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
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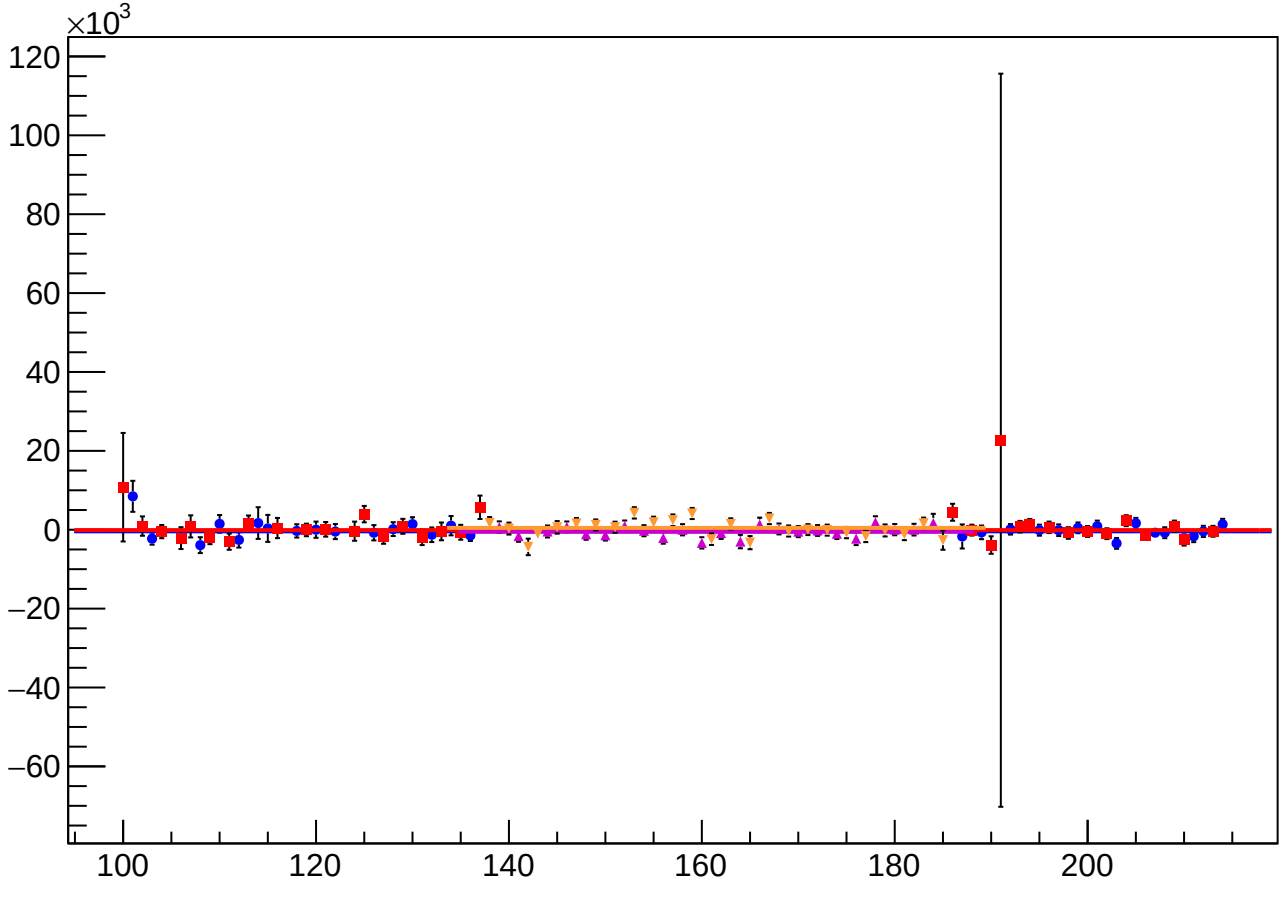
Right In: 4232.384+/-0.721 χ²/NDF: 1956388.6/29
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3892.503+/-0.668 χ²/NDF: 3438125.0/33
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 4049.551+/-0.490 χ²/NDF: 5514137.1/63
In: 4202.268+/-0.504 χ²/NDF:3234766.9/52
Out: 3782.036+/-0.457 χ²/NDF:7183241.0/58
All: 3971.879+/-0.338 χ²/NDF: 10799829.2/1



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

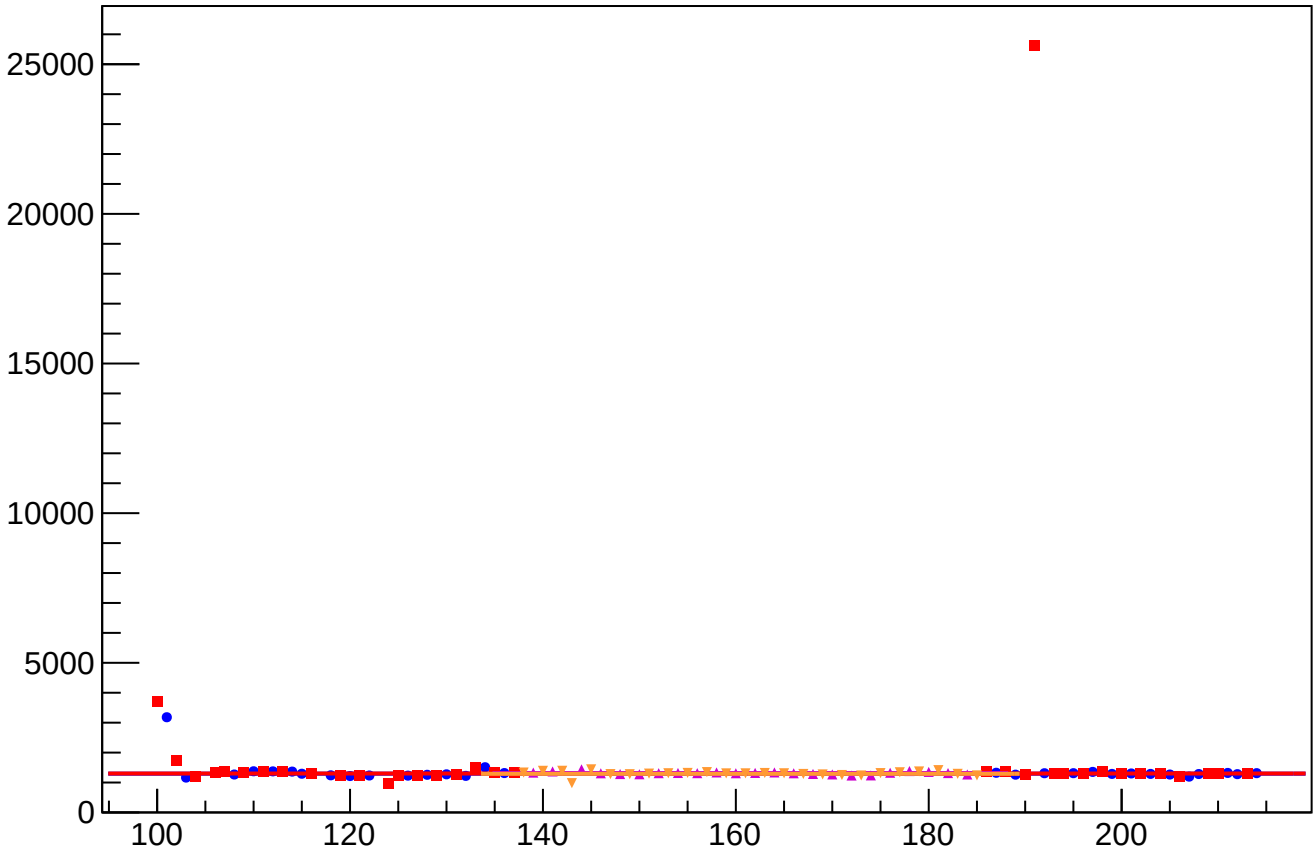
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -246.682+/-214.948 χ^2/NDF: 58.9/63

In: -451.933+/-216.356 χ^2/NDF:43.1/52

Out: 195.165+/-211.118 χ^2/NDF:78.6/58

All: -120.457+/-151.101 χ^2/NDF: 126.3/111



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

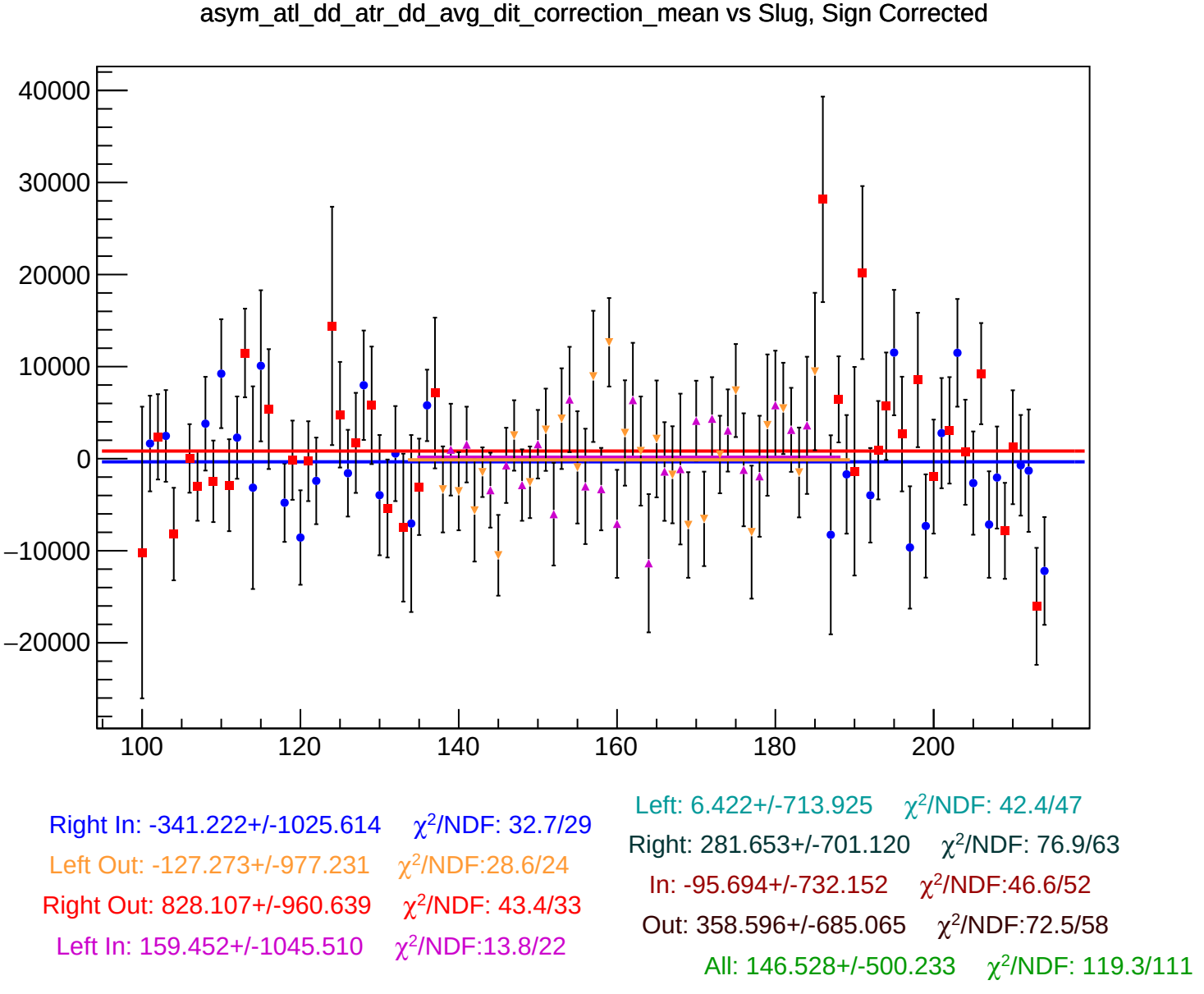
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

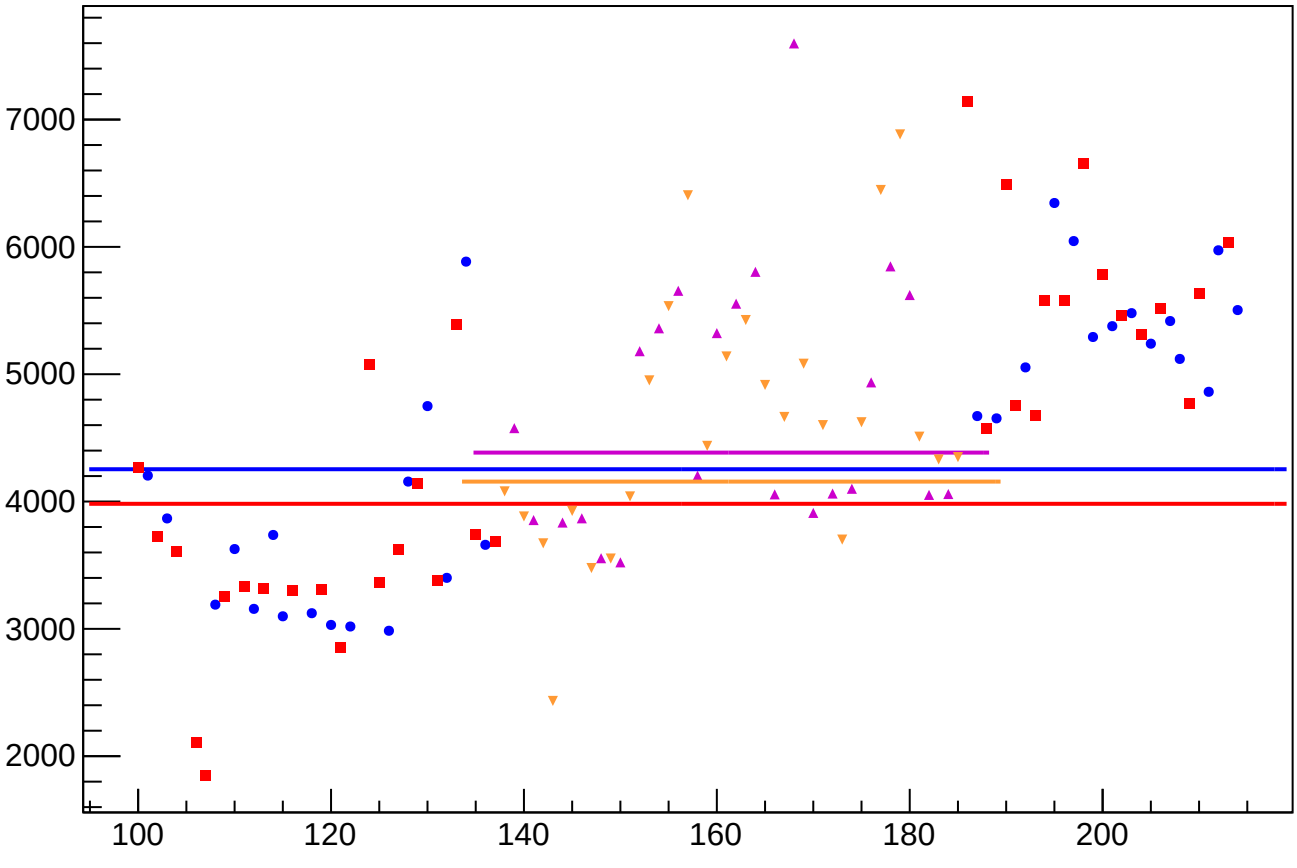
Right: 1298.150+/-0.152 χ^2/NDF: 908804.8/63

In: 1304.584+/-0.153 χ^2/NDF:576890.8/52

Out: 1295.948+/-0.149 χ^2/NDF:610152.9/58

All: 1300.159+/-0.107 χ^2/NDF: 1188676.2/11


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -341.222+/-1025.614 χ²/NDF: 32.7/29
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 828.107+/-960.639 χ²/NDF: 43.4/33
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 281.653+/-701.120 χ²/NDF: 76.9/63
In: -95.694+/-732.152 χ²/NDF:46.6/52
Out: 358.596+/-685.065 χ²/NDF:72.5/58
All: 146.528+/-500.233 χ²/NDF: 119.3/111



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

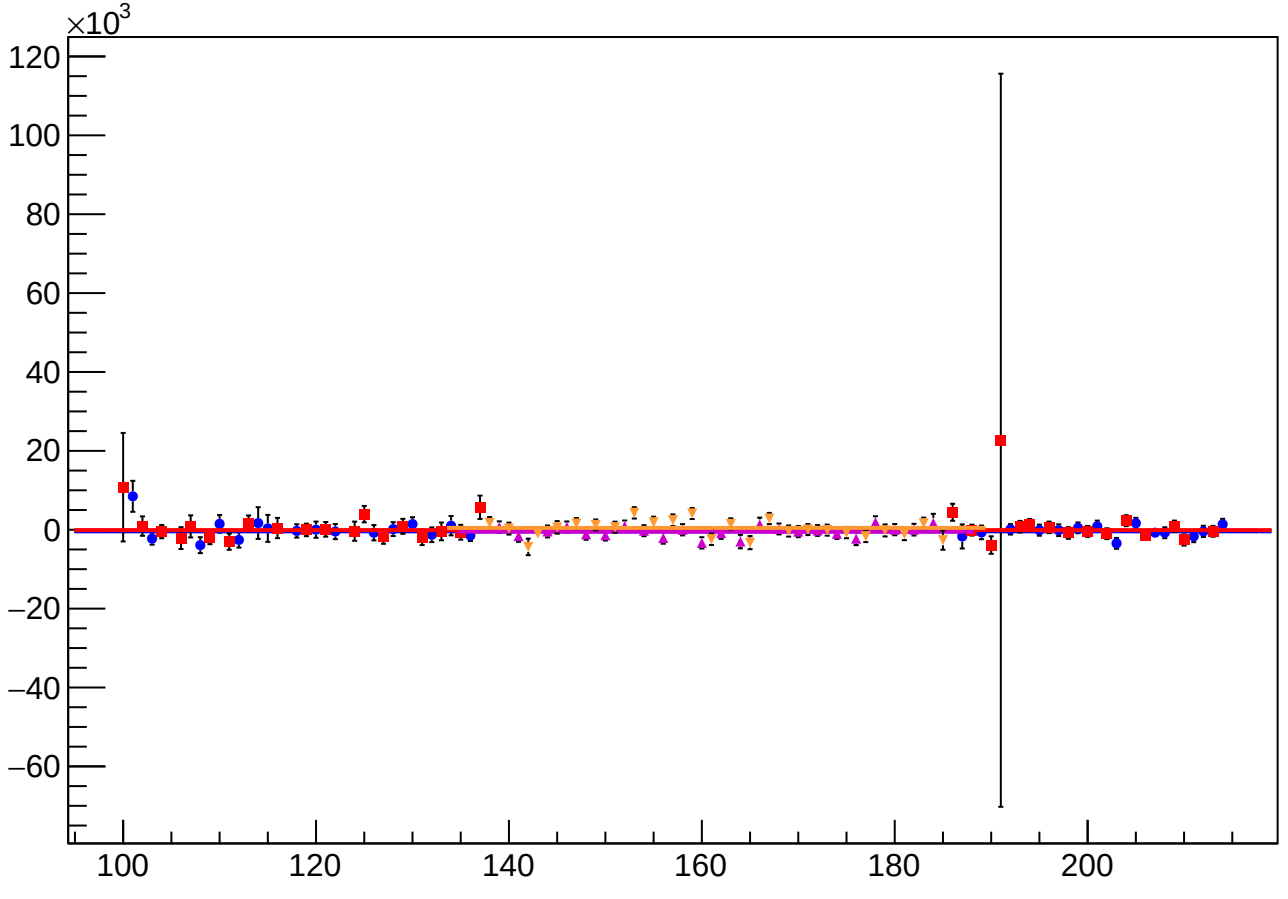
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4109.024+/-0.496 χ^2/NDF: 5615494.8/63

In: 4317.757+/-0.518 χ^2/NDF:3327560.3/52

Out: 4067.846+/-0.484 χ^2/NDF:5597793.9/58

All: 4184.507+/-0.354 χ^2/NDF: 9049598.8/11



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

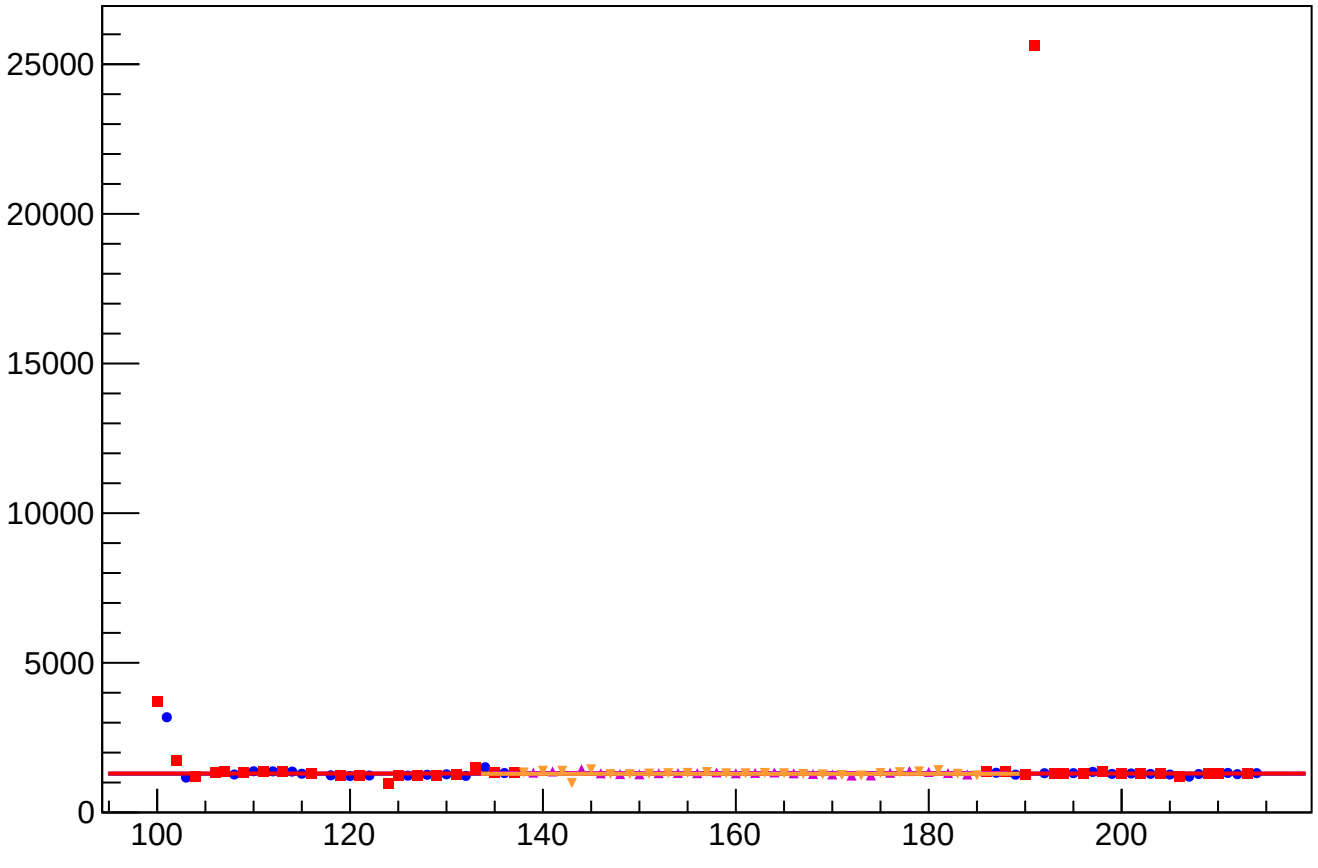
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -246.683+/-214.948 χ^2/NDF: 58.9/63

In: -451.933+/-216.356 χ^2/NDF:43.1/52

Out: 195.166+/-211.118 χ^2/NDF:78.6/58

All: -120.456+/-151.101 χ^2/NDF: 126.3/111



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

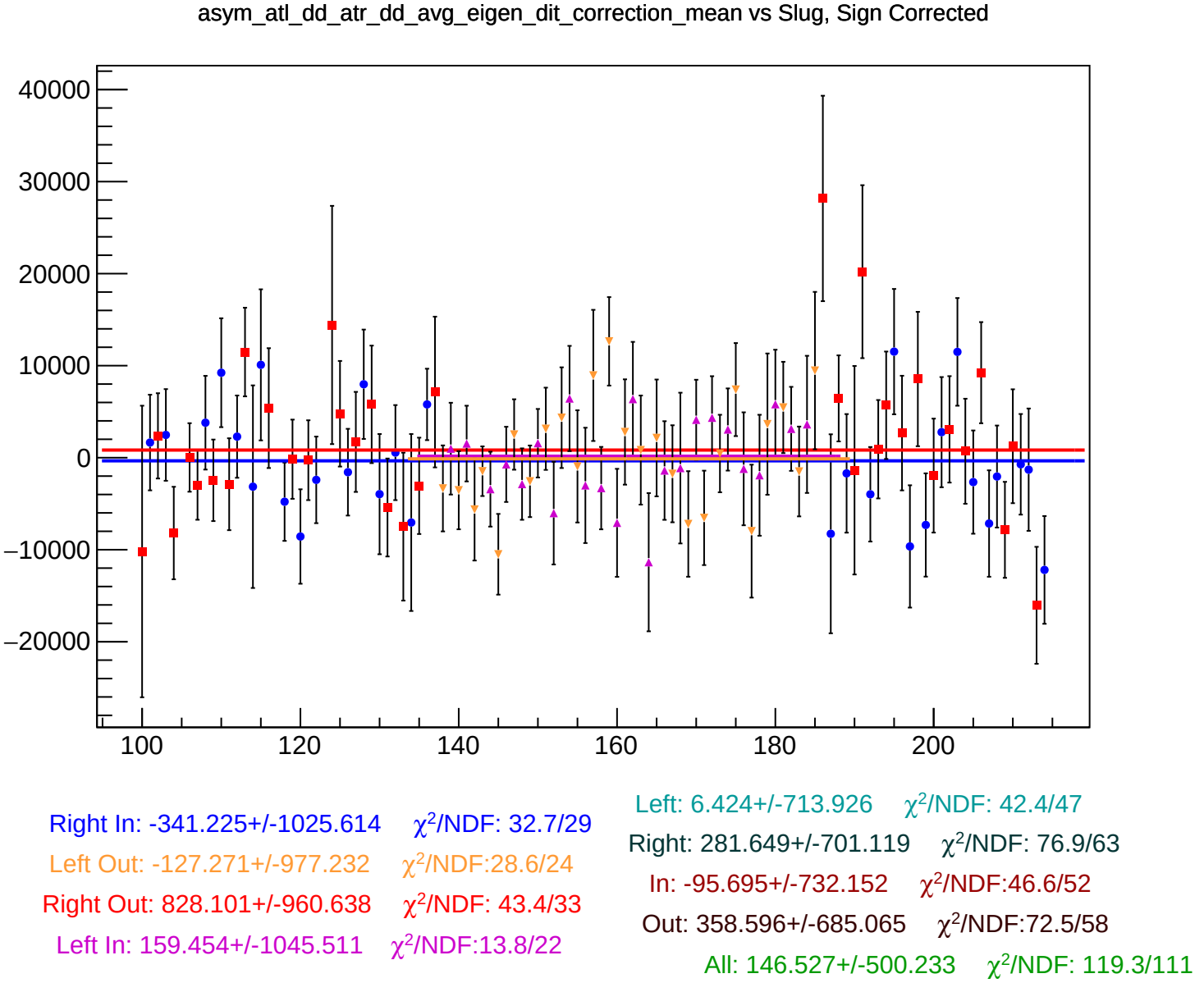
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

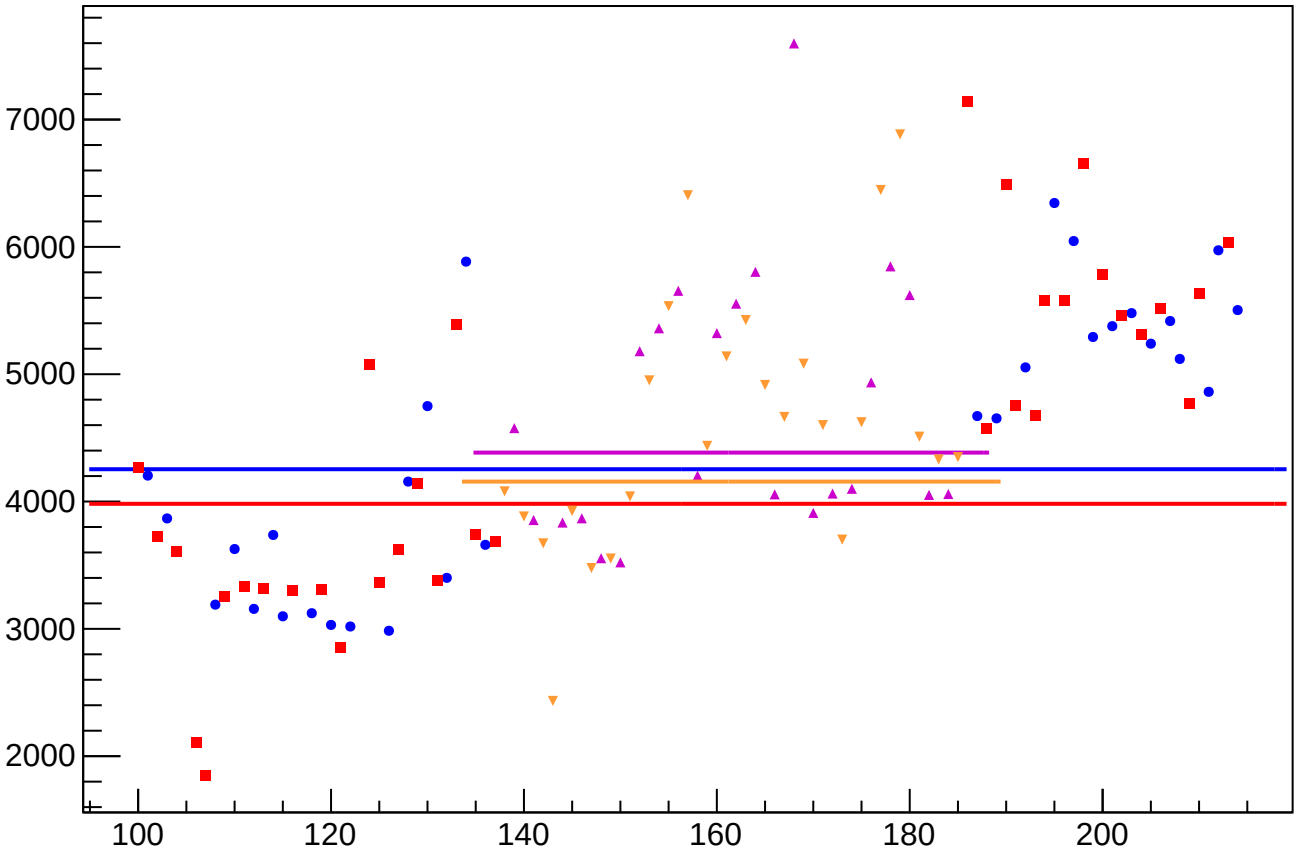
Right: 1298.150+/-0.152 χ^2/NDF: 908805.0/63

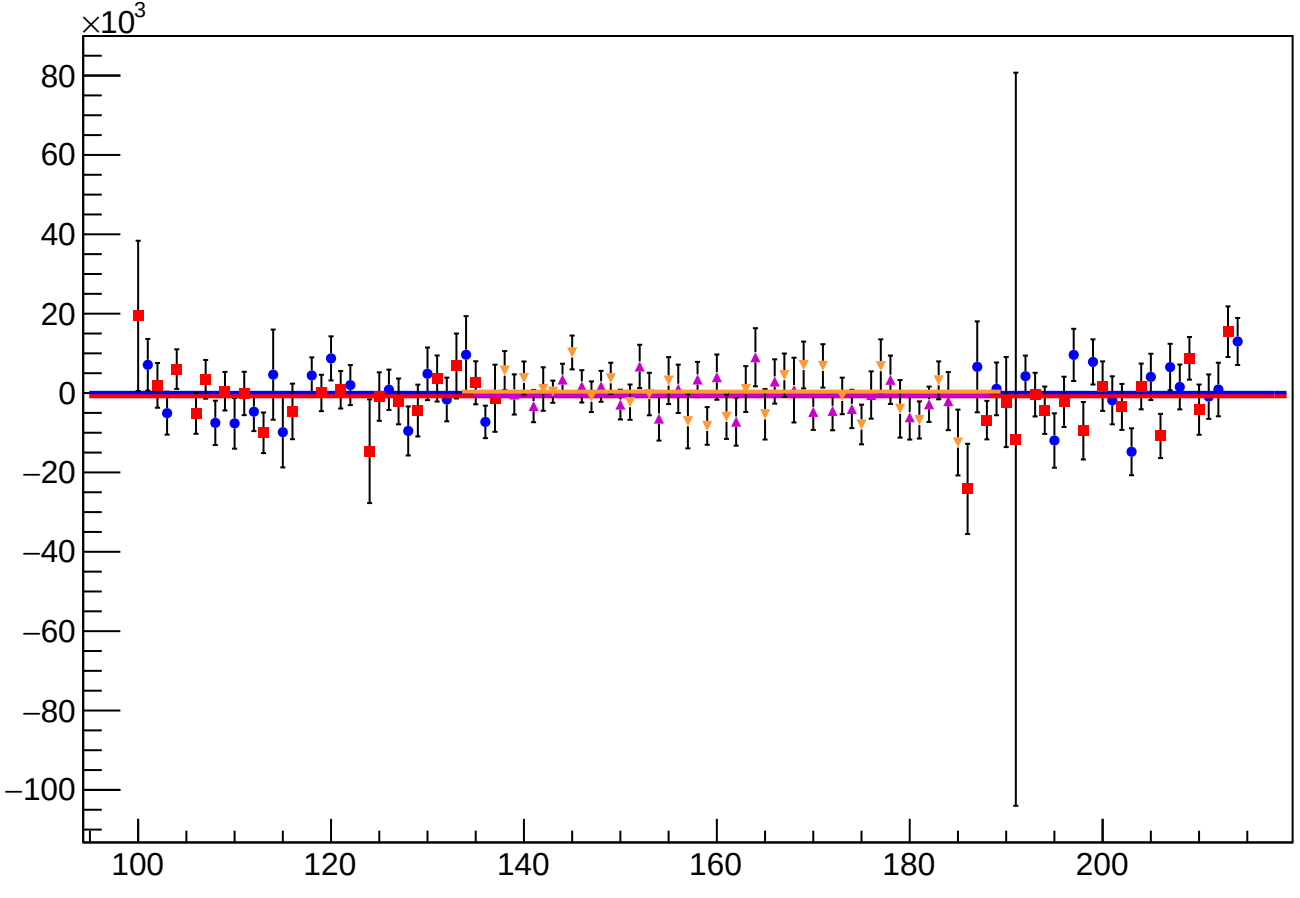
In: 1304.584+/-0.153 χ^2/NDF:576893.5/52

Out: 1295.949+/-0.149 χ^2/NDF:610155.3/58

All: 1300.160+/-0.107 χ^2/NDF: 1188681.2/11


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -341.225+/-1025.614 χ²/NDF: 32.7/29
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: 828.101+/-960.638 χ²/NDF: 43.4/33
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: 281.649+/-701.119 χ²/NDF: 76.9/63
In: -95.695+/-732.152 χ²/NDF:46.6/52
Out: 358.596+/-685.065 χ²/NDF:72.5/58
All: 146.527+/-500.233 χ²/NDF: 119.3/111


asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4253.695+/-0.725 χ²/NDF: 2056216.9/29
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3982.092+/-0.679 χ²/NDF: 3484636.6/33
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 4109.018+/-0.496 χ²/NDF: 5615566.2/63
In: 4317.757+/-0.518 χ²/NDF:3327603.9/52
Out: 4067.846+/-0.484 χ²/NDF:5597835.7/58
All: 4184.508+/-0.354 χ²/NDF: 9049684.7/11



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

Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

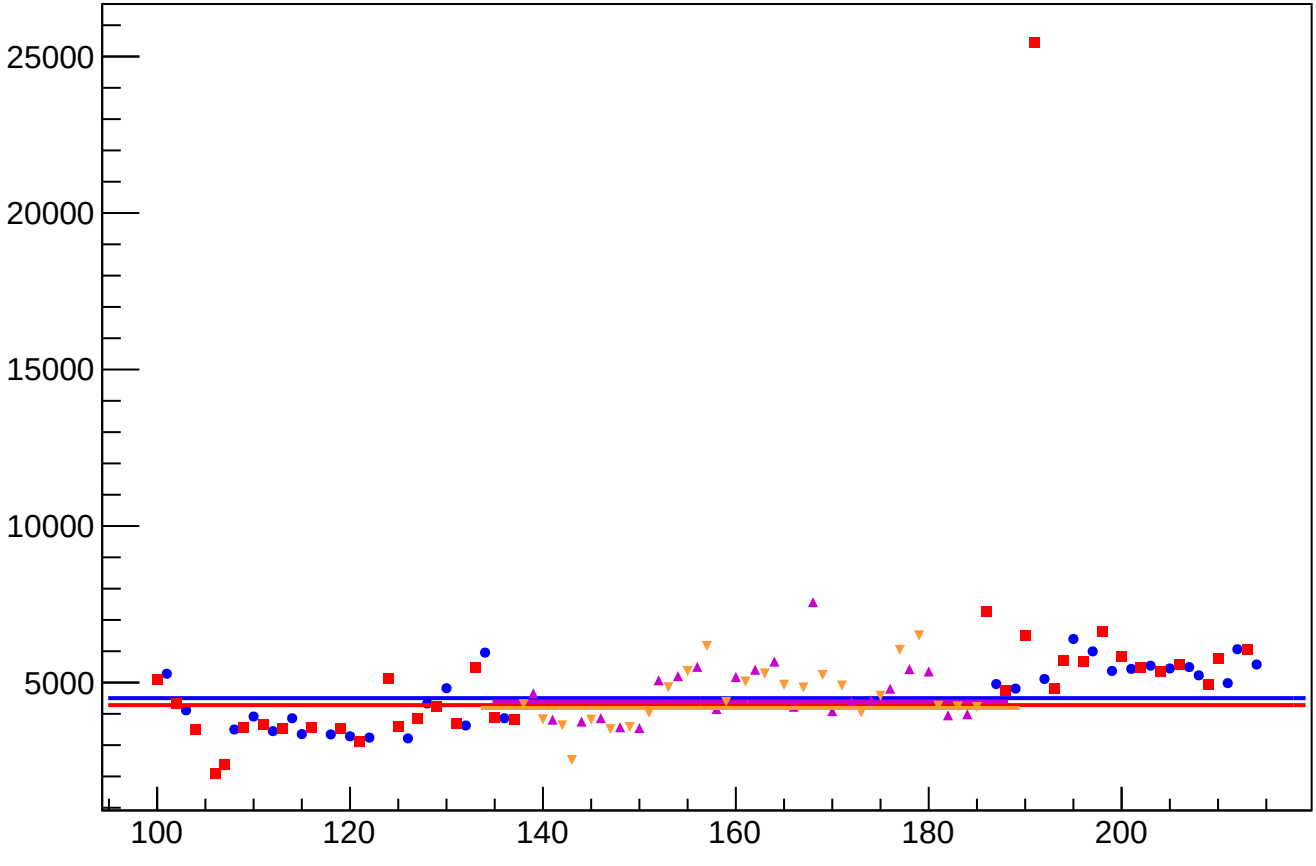
Right: -400.133+/-748.738 χ^2/NDF: 73.1/63

In: -230.438+/-750.655 χ^2/NDF:53.5/52

Out: -194.756+/-713.037 χ^2/NDF:61.6/58

All: -211.681+/-516.981 χ^2/NDF: 115.1/111

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



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

Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

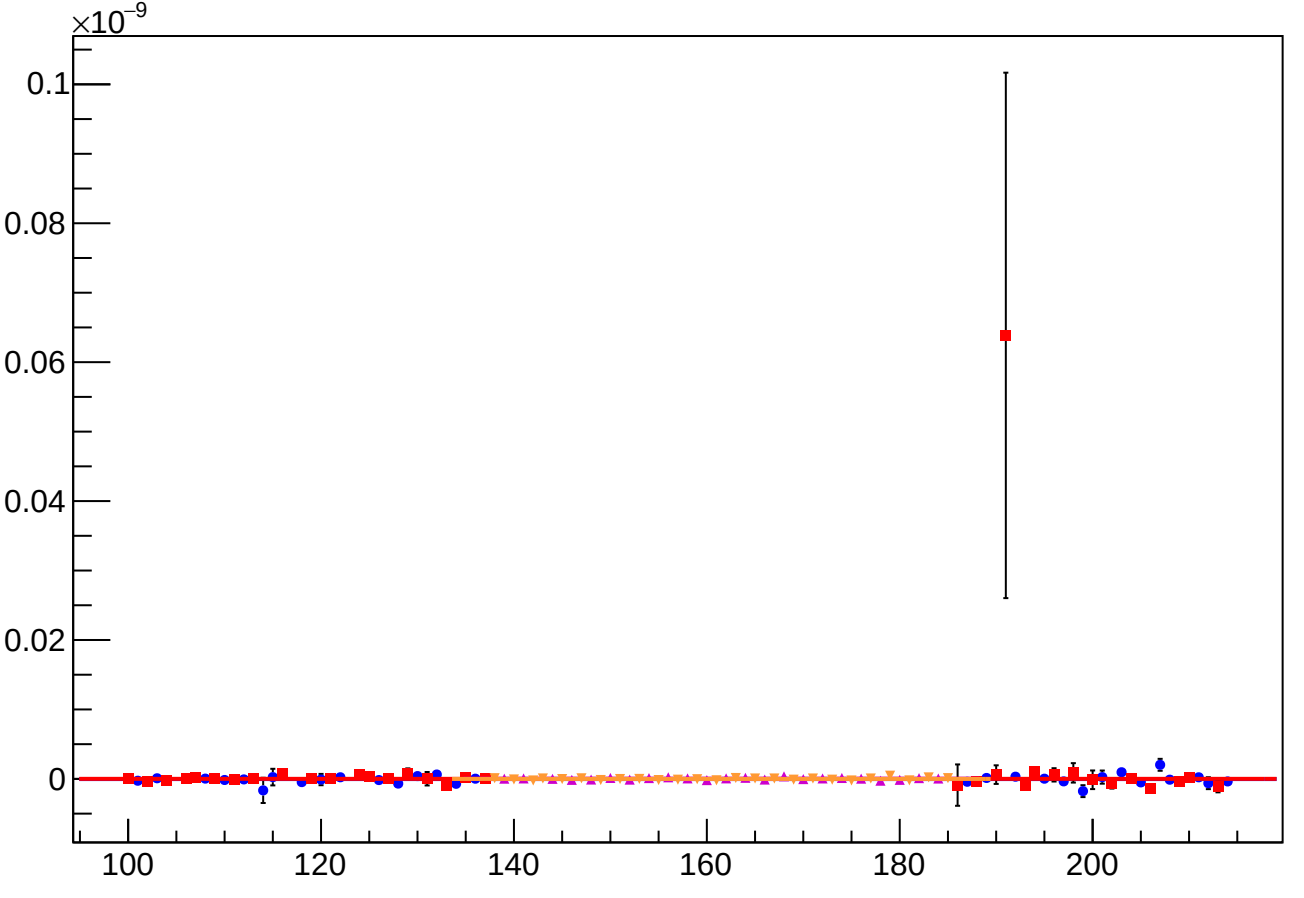
Right: 4385.187+/-0.527 χ^2/NDF: 4476106.6/63

In: 4446.344+/-0.531 χ^2/NDF:2758893.1/52

Out: 4230.987+/-0.502 χ^2/NDF:4575675.1/58

All: 4332.710+/-0.365 χ^2/NDF: 7421427.4/11

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

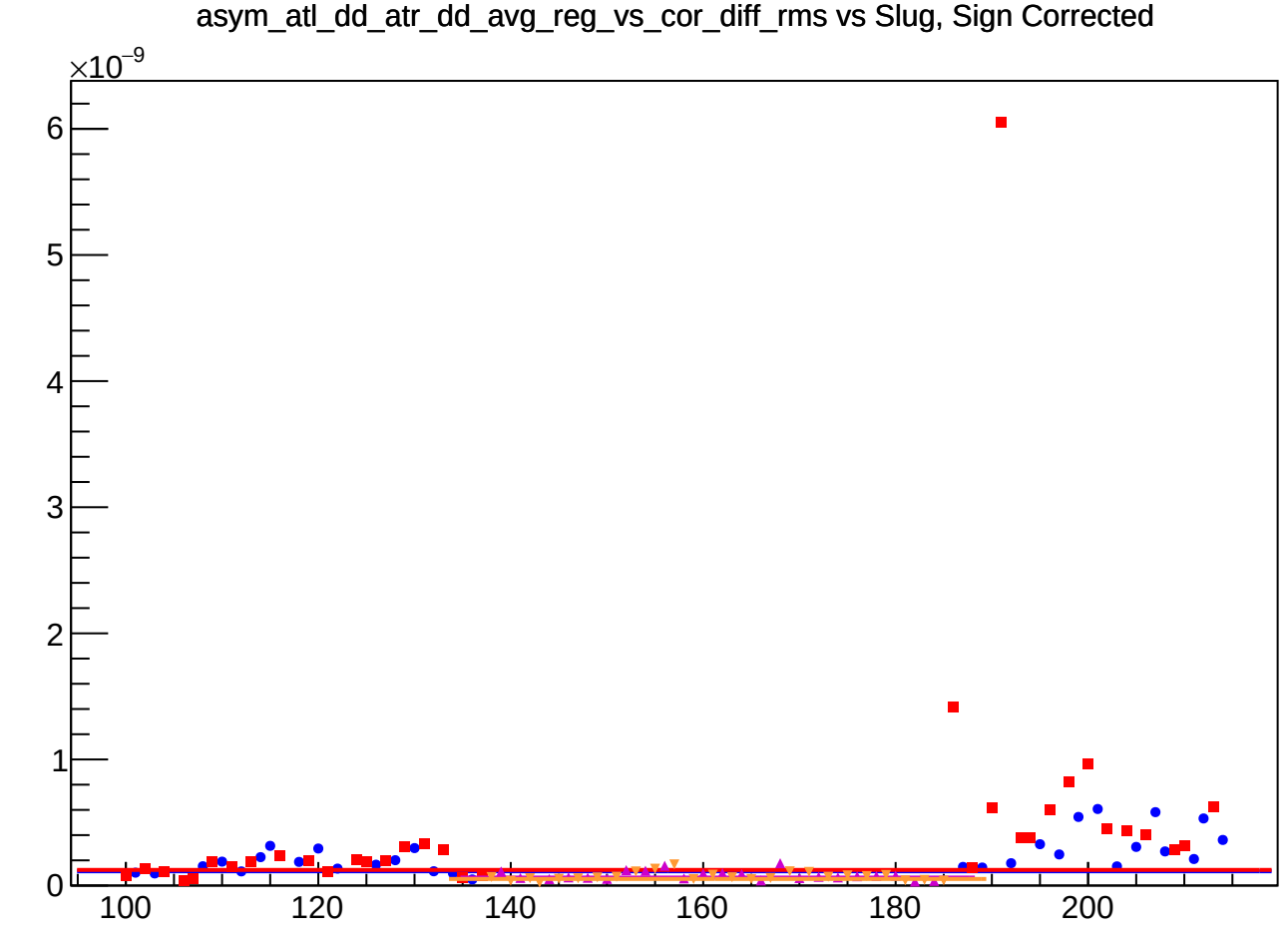
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 71.2/63

In: 0.000+/-0.000 χ^2/NDF:53.2/52

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: 0.000+/-0.000 χ^2/NDF: 119.3/111



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

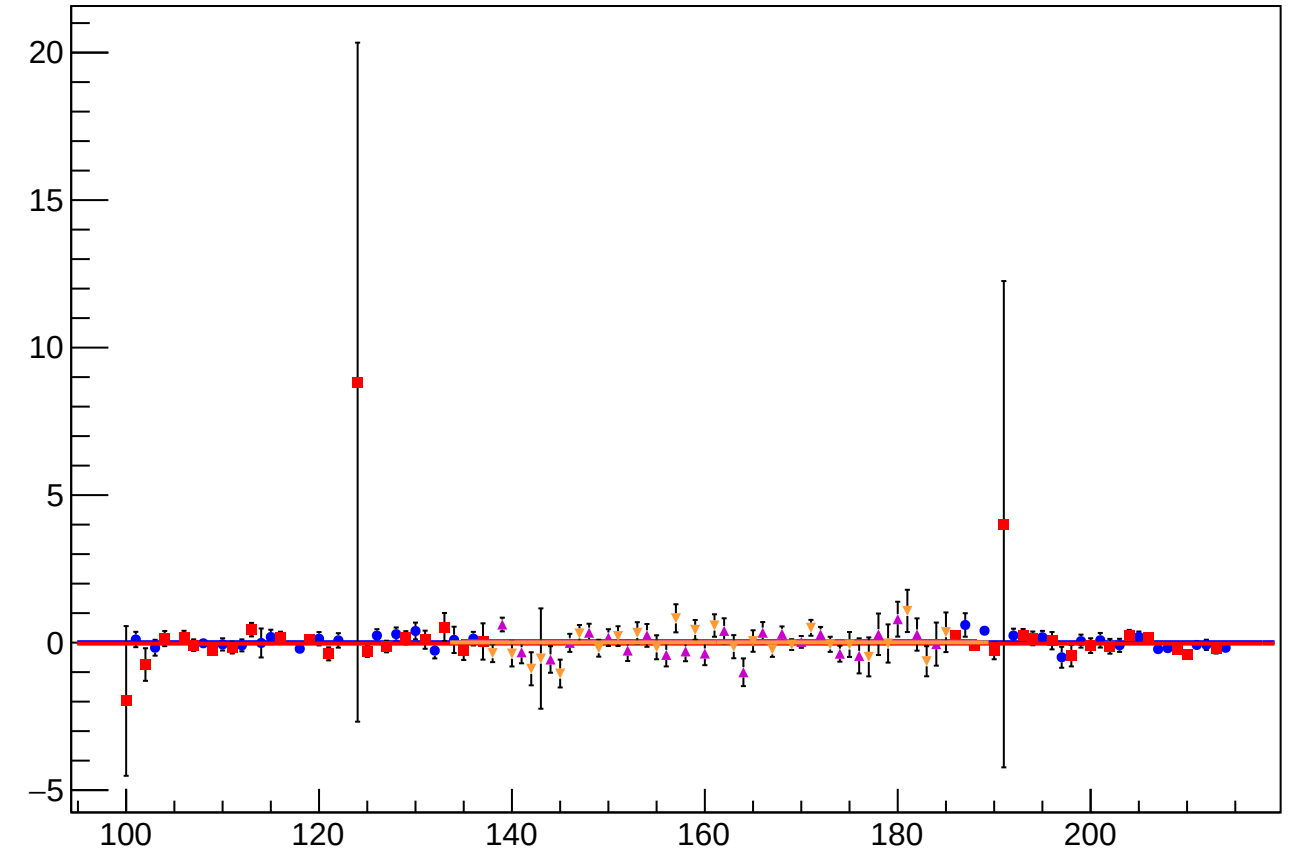
Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

Right: 0.000+/-0.000 χ^2/NDF: 12873367.6/63

In: 0.000+/-0.000 χ^2/NDF:8486467.3/52

Out: 0.000+/-0.000 χ^2/NDF:12655494.5/58

All: 0.000+/-0.000 χ^2/NDF: 21413077.3/111



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

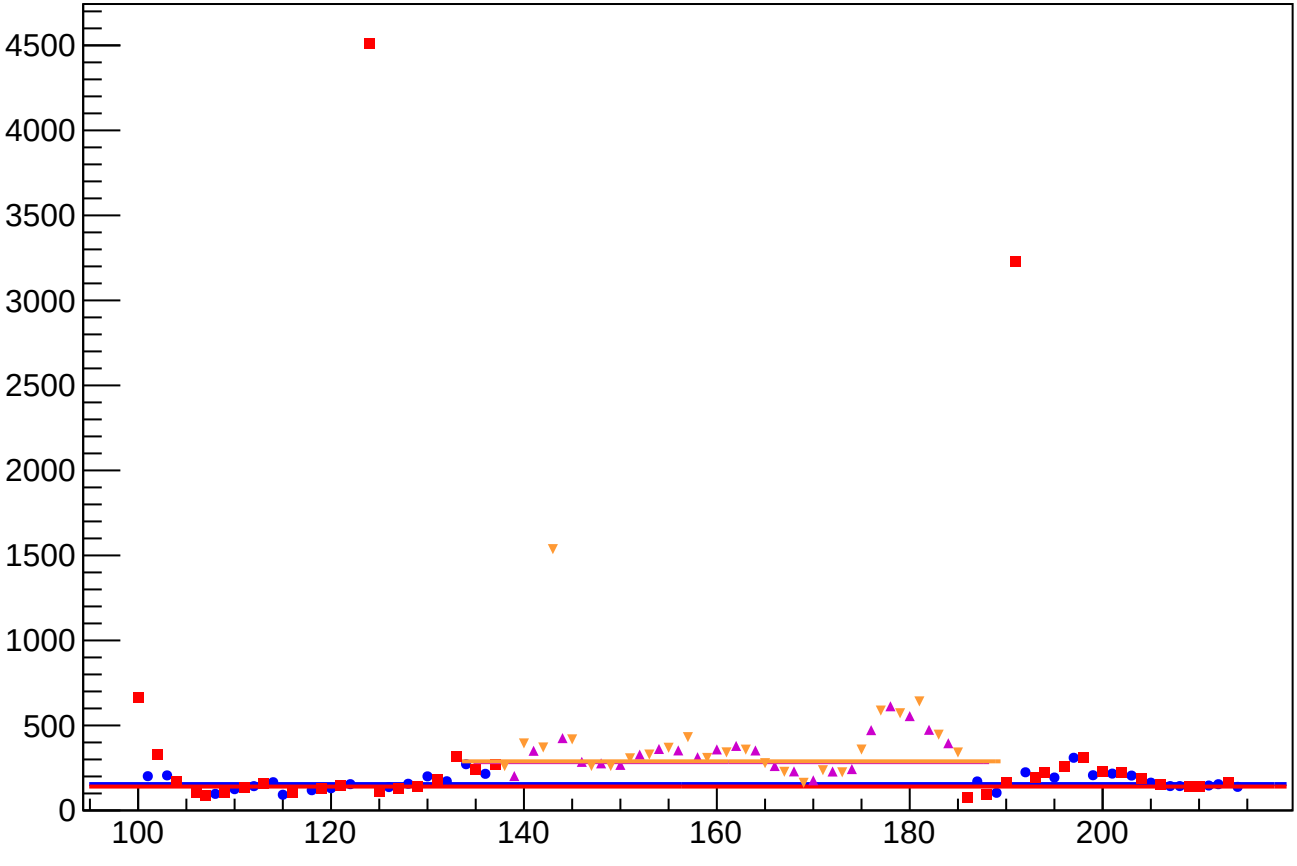
Right: -0.011+/-0.026 χ^2/NDF: 70.9/63

In: 0.024+/-0.034 χ^2/NDF:57.3/52

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: -0.002+/-0.023 χ^2/NDF: 128.3/111

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

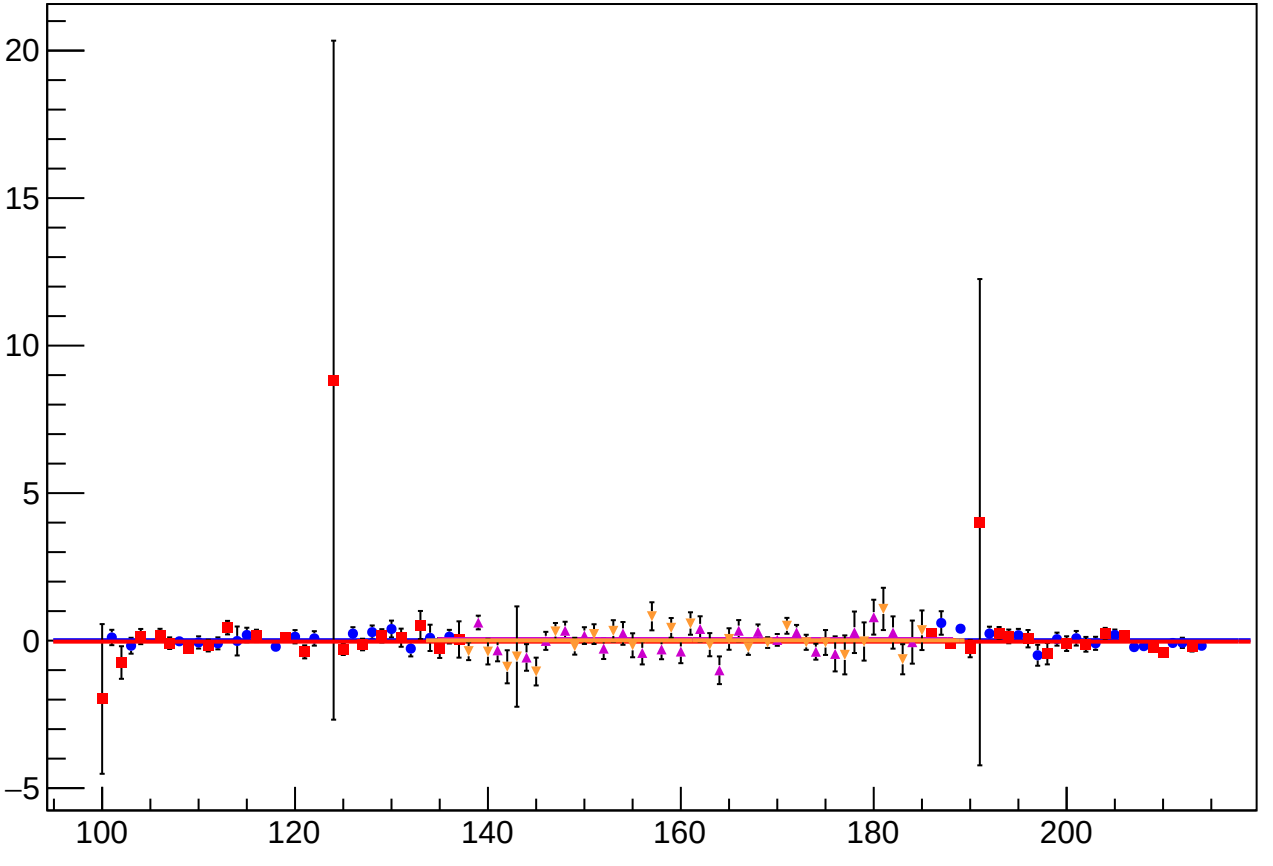
Right: 147.327+/-0.018 χ^2/NDF: 7163182.7/63

In: 184.575+/-0.024 χ^2/NDF:10547629.1/52

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 177.187+/-0.016 χ^2/NDF: 27069459.0/1

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

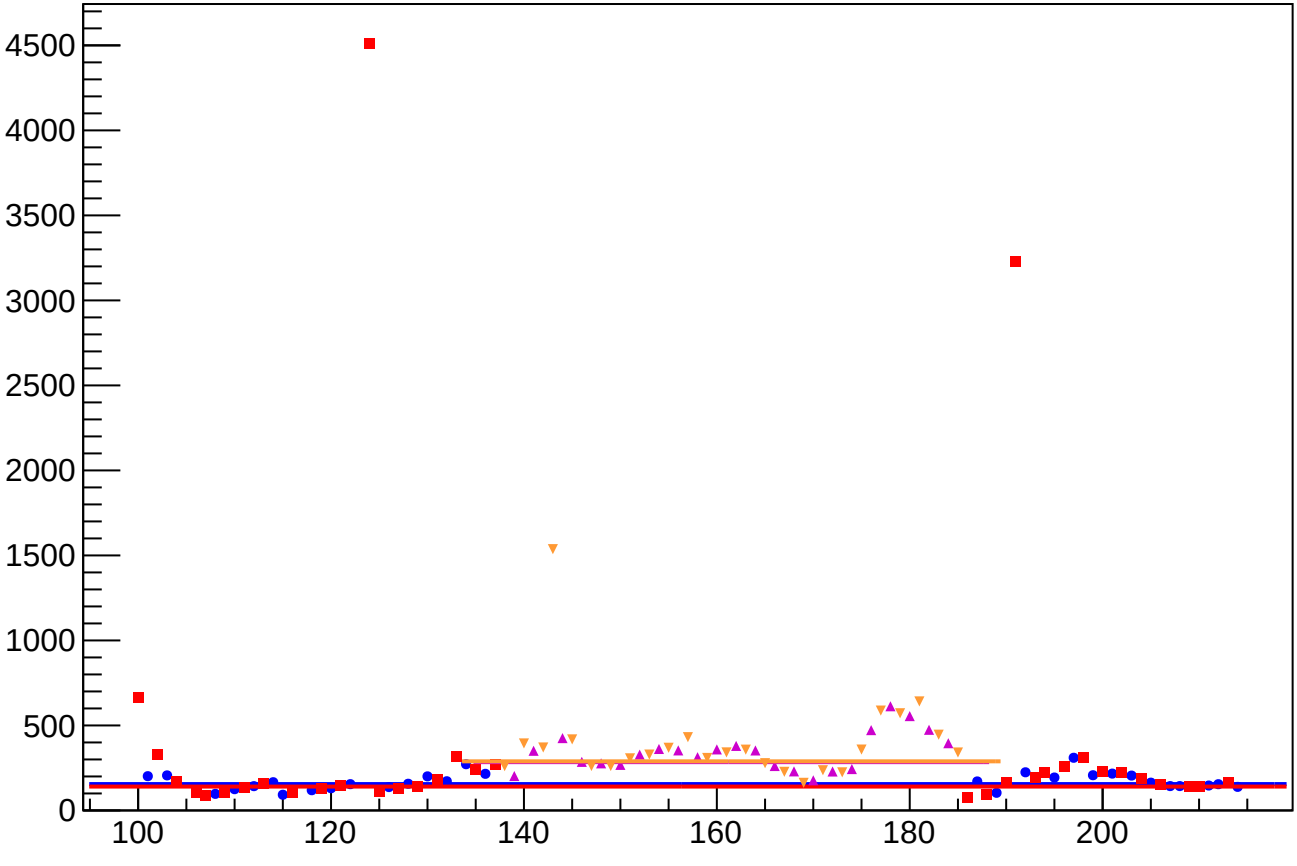
Right: -0.011+/-0.026 χ^2/NDF: 70.9/63

In: 0.024+/-0.034 χ^2/NDF:57.3/52

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: -0.002+/-0.023 χ^2/NDF: 128.3/111

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

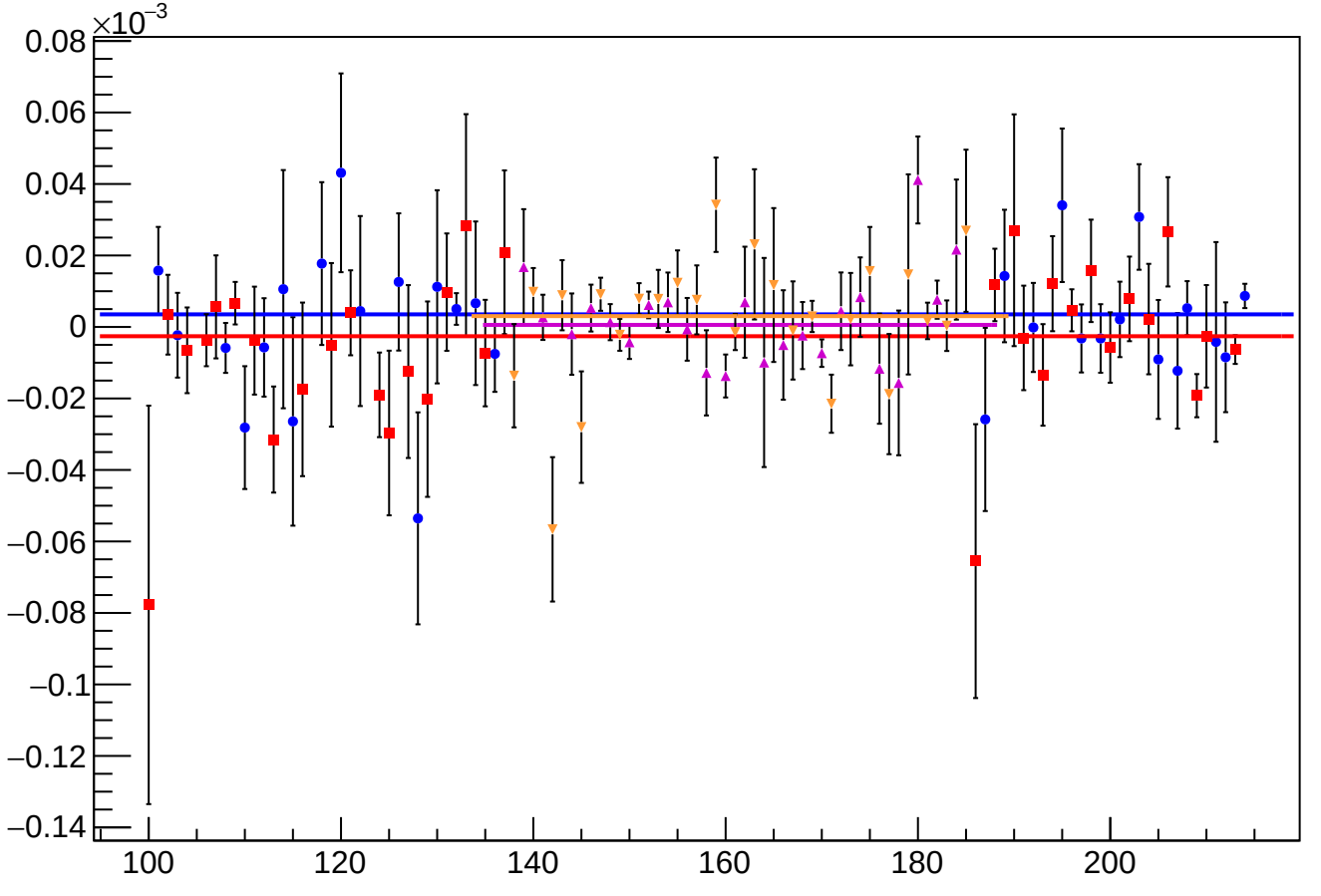
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.327+/-0.018 χ^2/NDF: 7163182.7/63

In: 184.575+/-0.024 χ^2/NDF:10547629.1/52

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 177.187+/-0.016 χ^2/NDF: 27069459.0/1



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

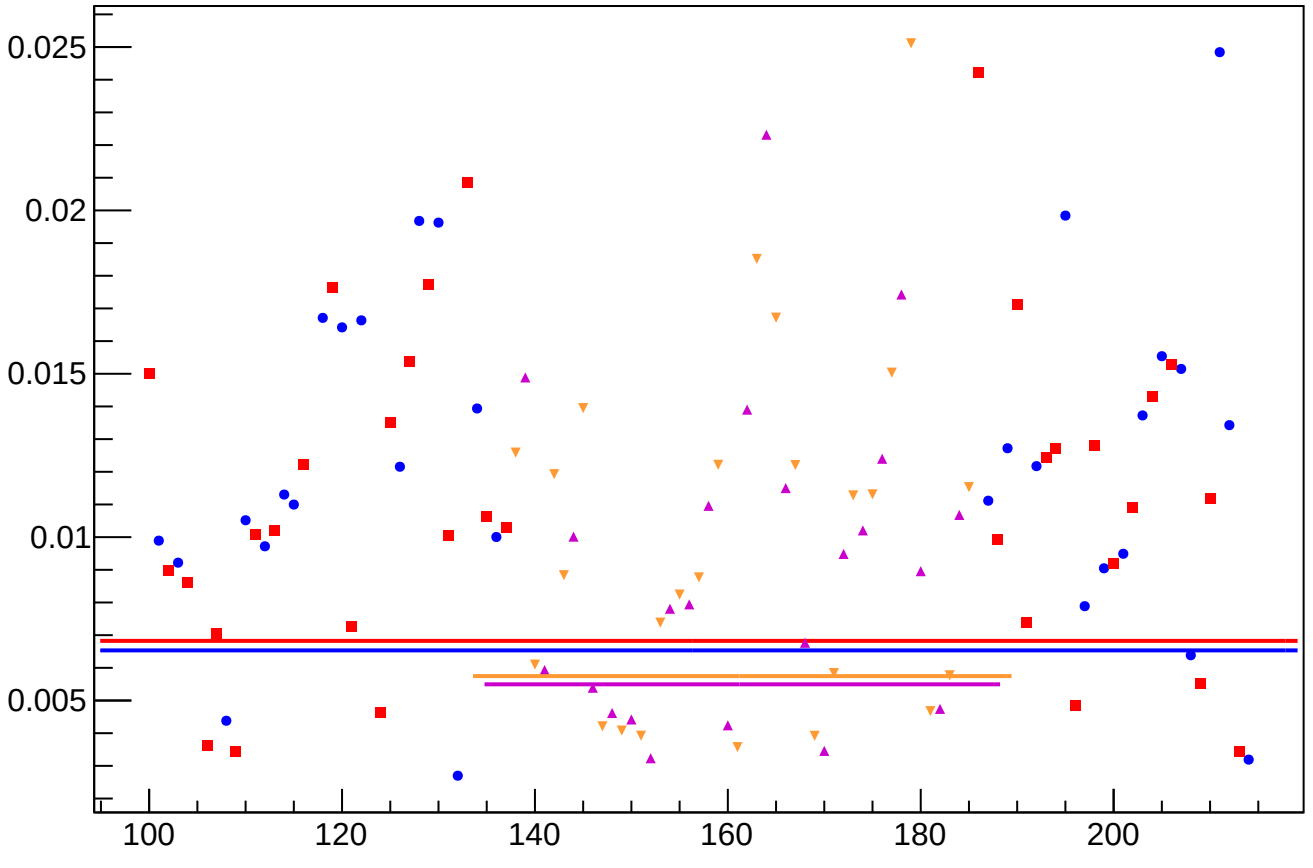
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 73.4/63

In: 0.000+/-0.000 χ^2/NDF:63.1/52

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 150.8/111



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

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

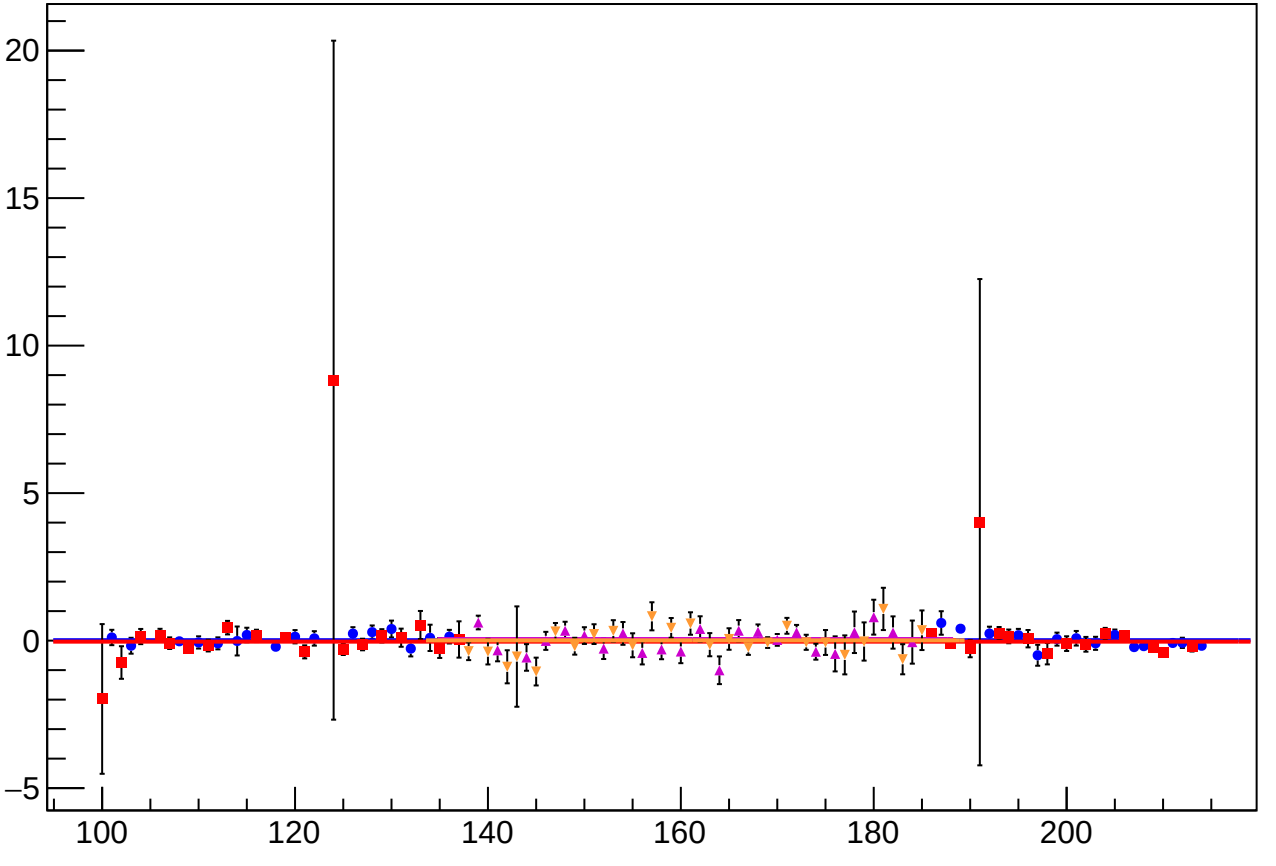
Right: 0.007+/-0.000 χ^2/NDF: 19933600.8/63

In: 0.006+/-0.000 χ^2/NDF:18574902.3/52

Out: 0.006+/-0.000 χ^2/NDF:17173359.8/58

All: 0.006+/-0.000 χ^2/NDF: 35803657.3/111

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

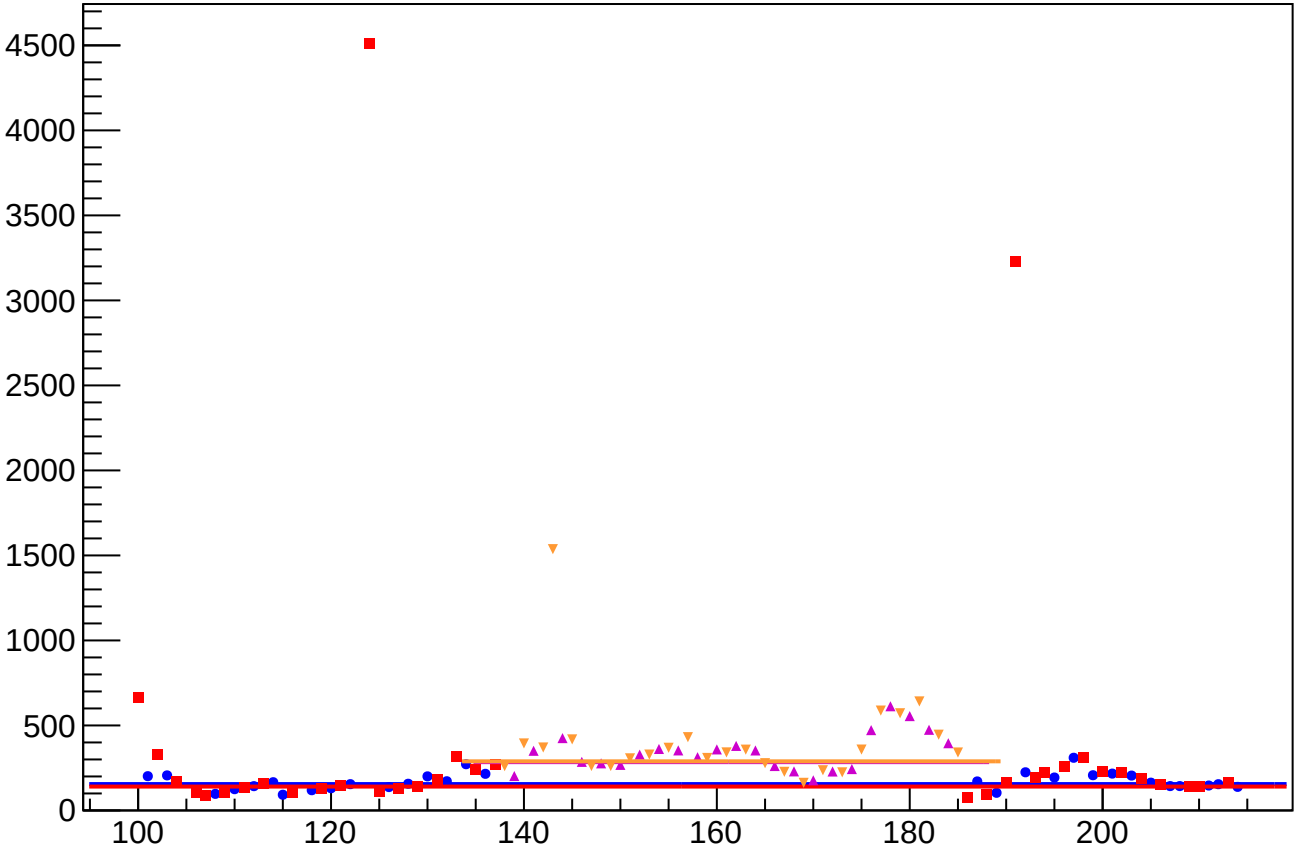
Right: -0.011+/-0.026 χ^2/NDF: 70.9/63

In: 0.024+/-0.034 χ^2/NDF:57.3/52

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: -0.002+/-0.023 χ^2/NDF: 128.3/111

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

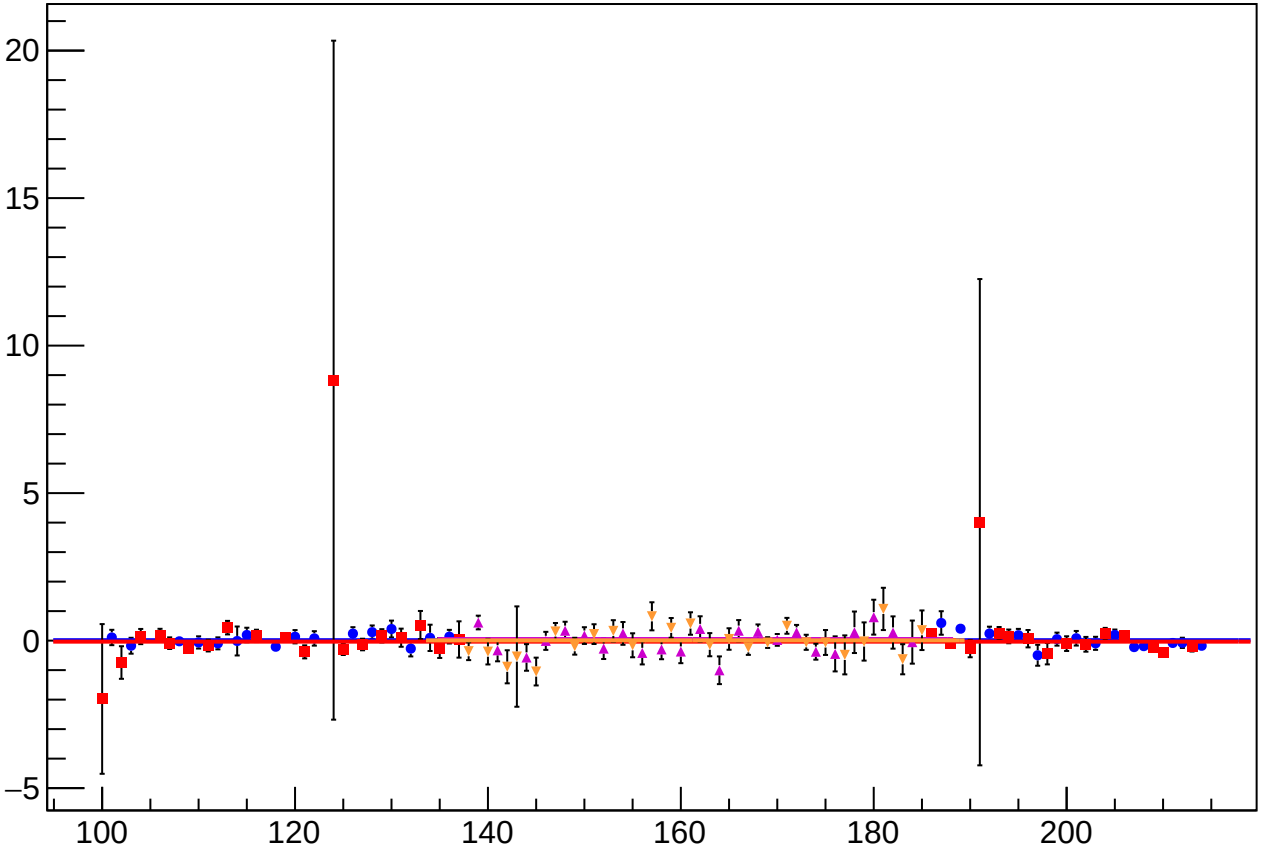
Right: 147.328+/-0.018 χ^2/NDF: 7162976.0/63

In: 184.575+/-0.024 χ^2/NDF:10547742.6/52

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 177.188+/-0.016 χ^2/NDF: 27069361.4/11

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

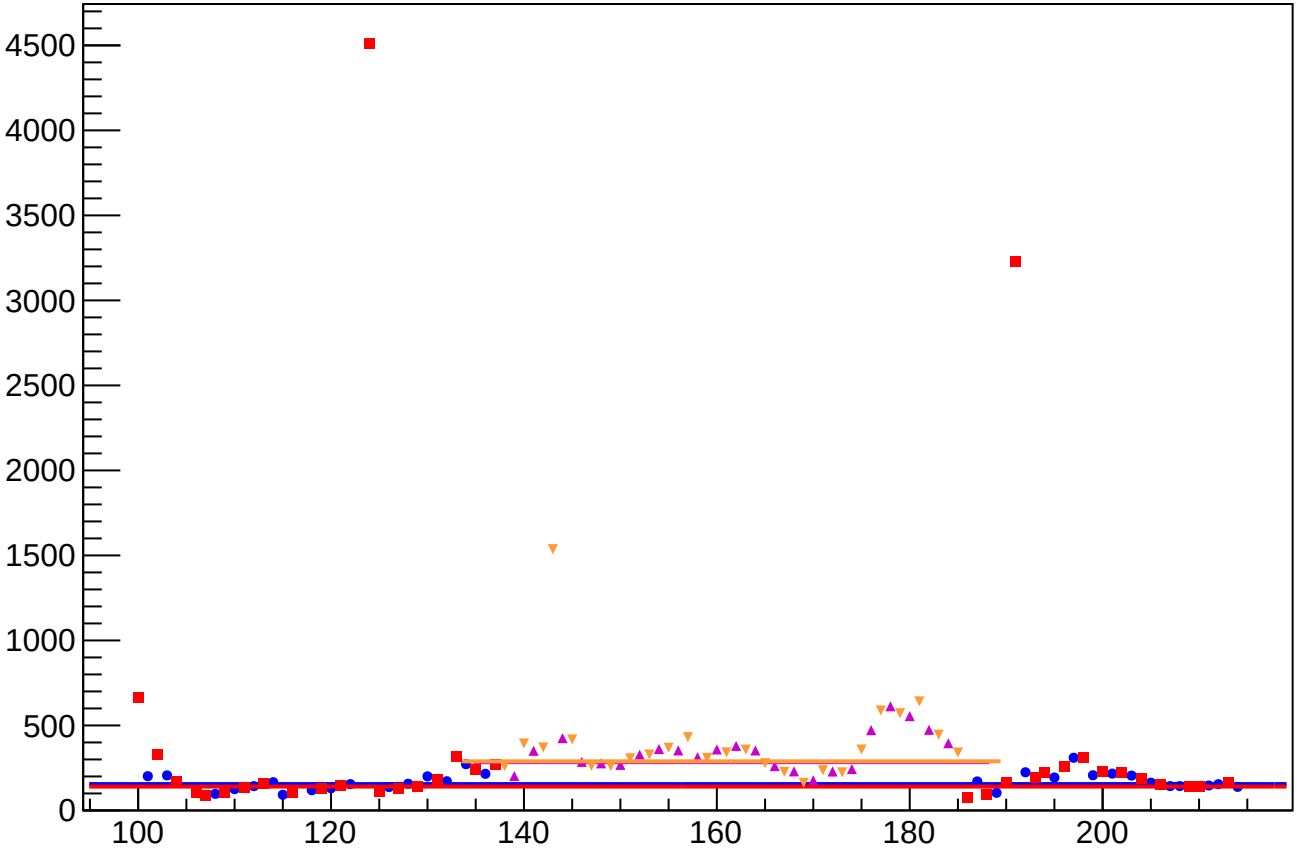
Right: -0.011+/-0.026 χ^2/NDF: 70.9/63

In: 0.024+/-0.034 χ^2/NDF:57.3/52

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: -0.002+/-0.023 χ^2/NDF: 128.3/111

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

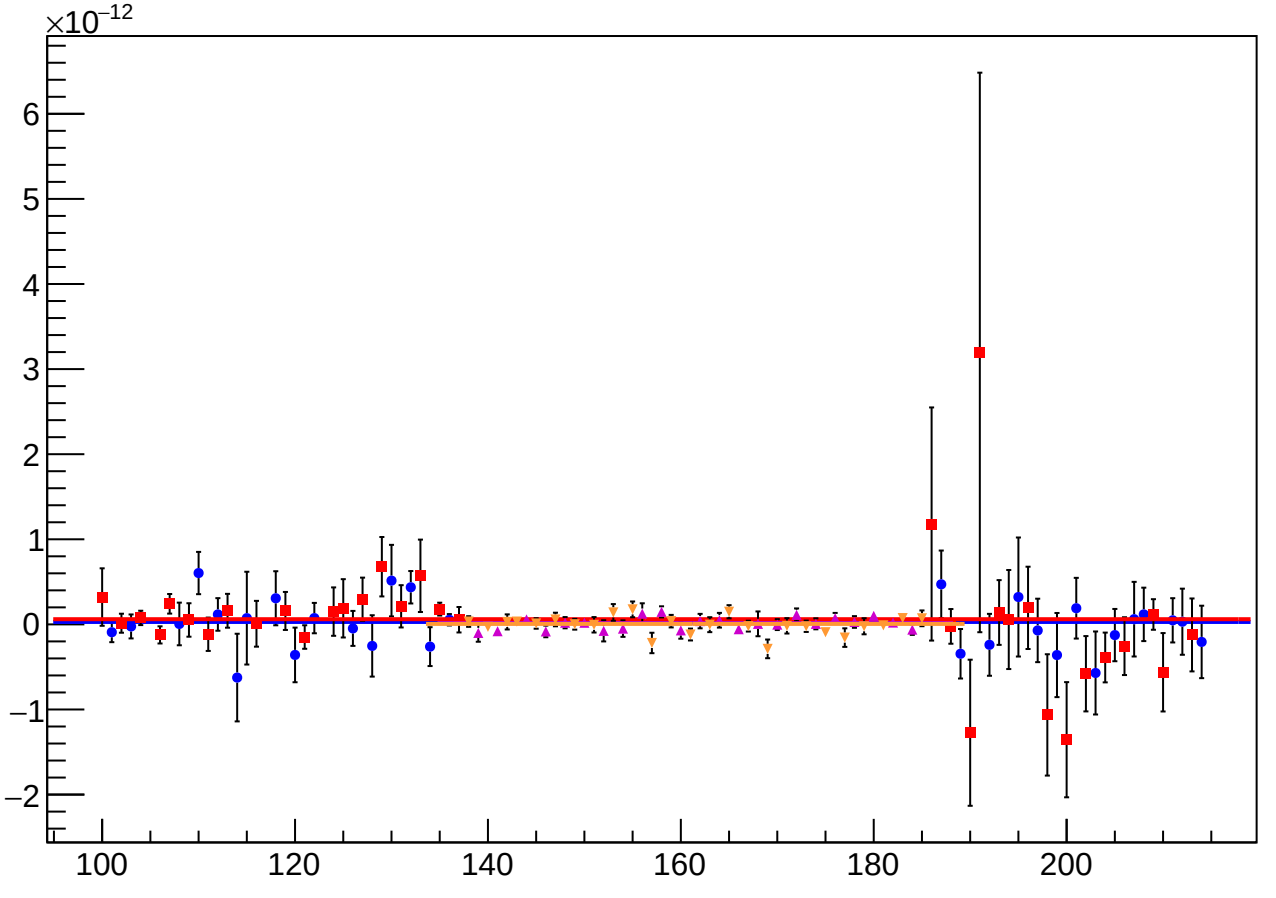
Right: 147.328+/-0.018 χ^2/NDF: 7162976.0/63

In: 184.575+/-0.024 χ^2/NDF:10547742.6/52

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 177.188+/-0.016 χ^2/NDF: 27069361.4/11

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

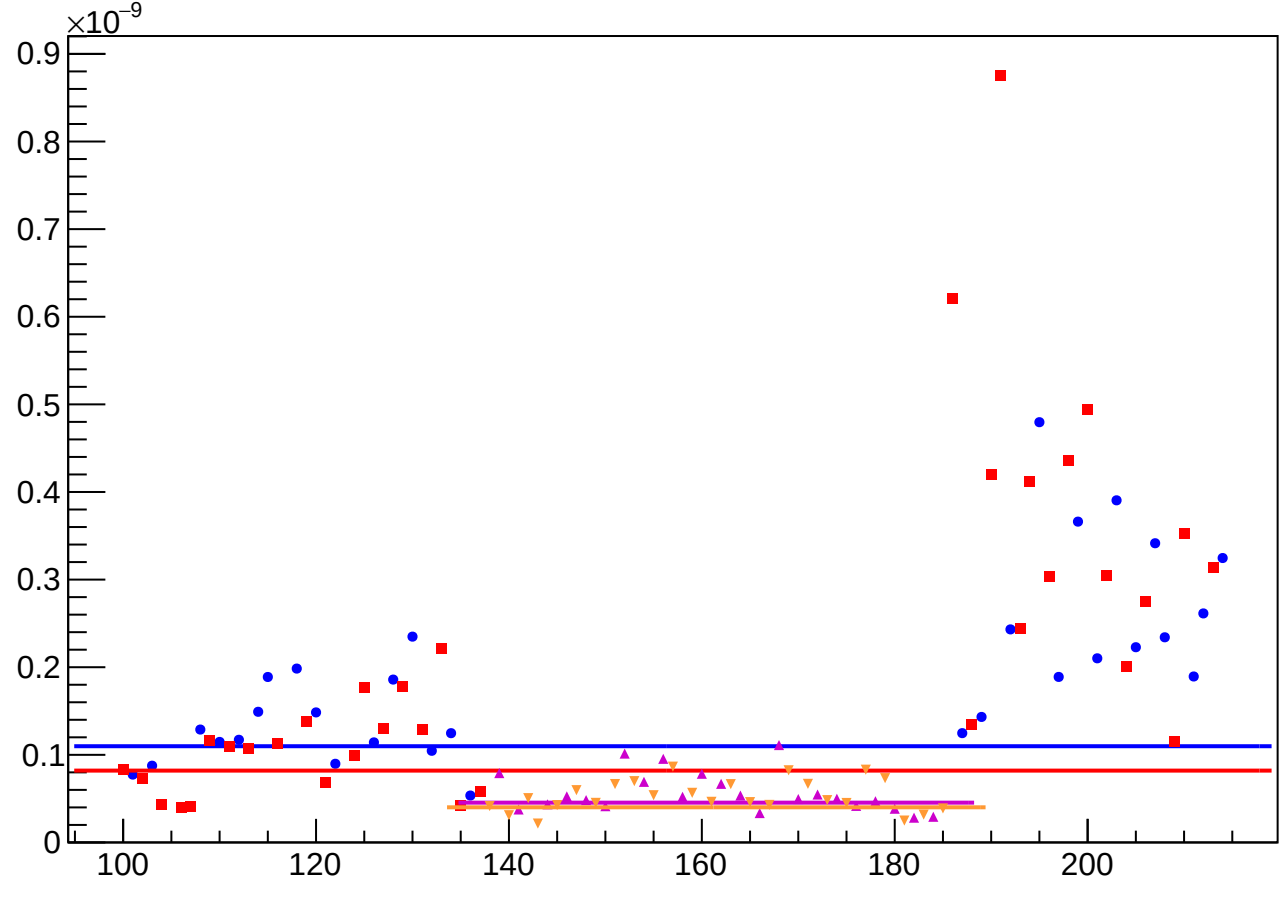
Right: 0.000+/-0.000 χ^2/NDF: 63.5/63

In: 0.000+/-0.000 χ^2/NDF:49.1/52

Out: 0.000+/-0.000 χ^2/NDF:74.0/58

All: 0.000+/-0.000 χ^2/NDF: 123.2/111

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

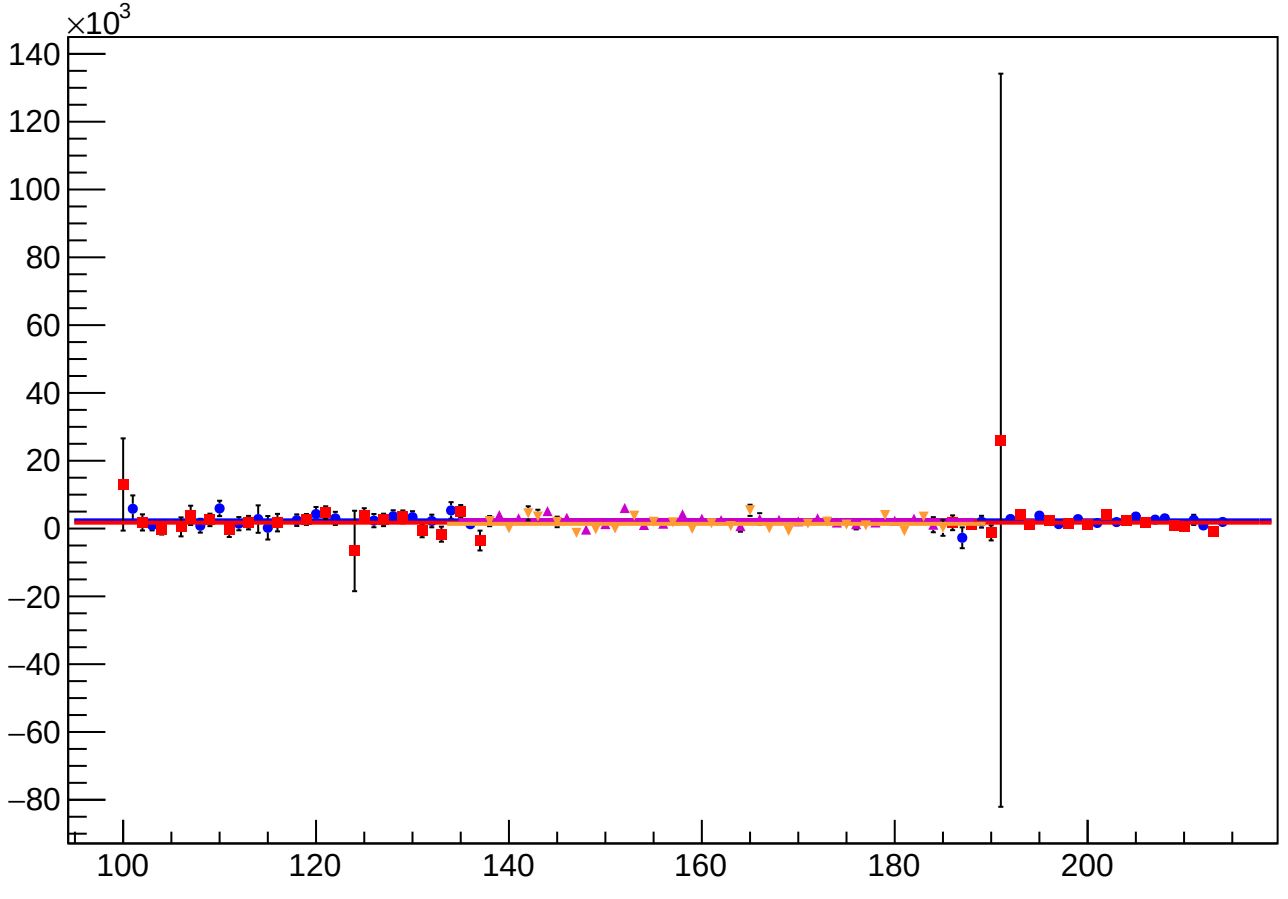
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16214817.1/63

In: 0.000+/-0.000 χ^2/NDF:14222997.7/52

Out: 0.000+/-0.000 χ^2/NDF:15559745.2/58

All: 0.000+/-0.000 χ^2/NDF: 30108280.9/111



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

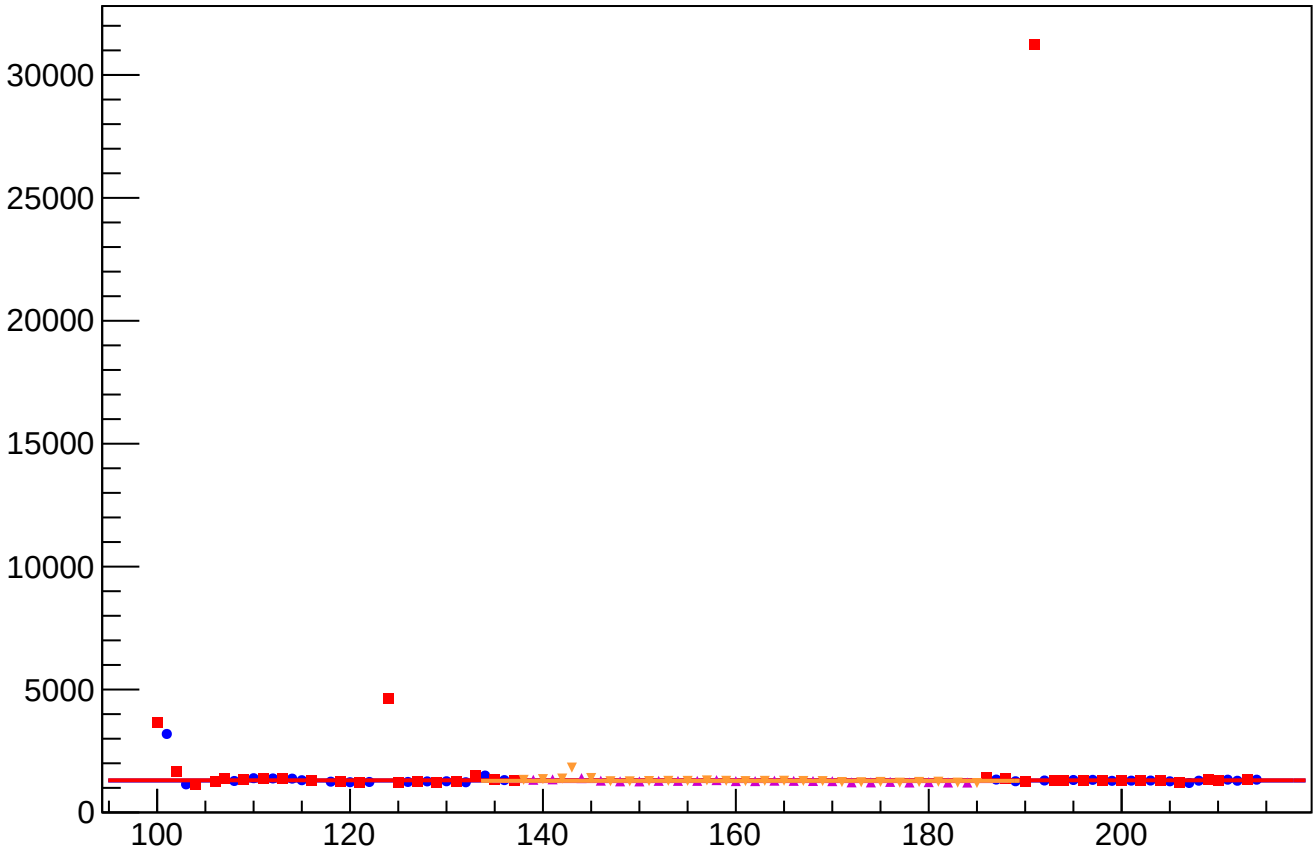
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2078.506+/-215.963 χ^2/NDF: 51.9/63

In: 2472.262+/-213.358 χ^2/NDF:38.8/52

Out: 1551.578+/-211.321 χ^2/NDF:66.7/58

All: 2007.504+/-150.142 χ^2/NDF: 114.8/111



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

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

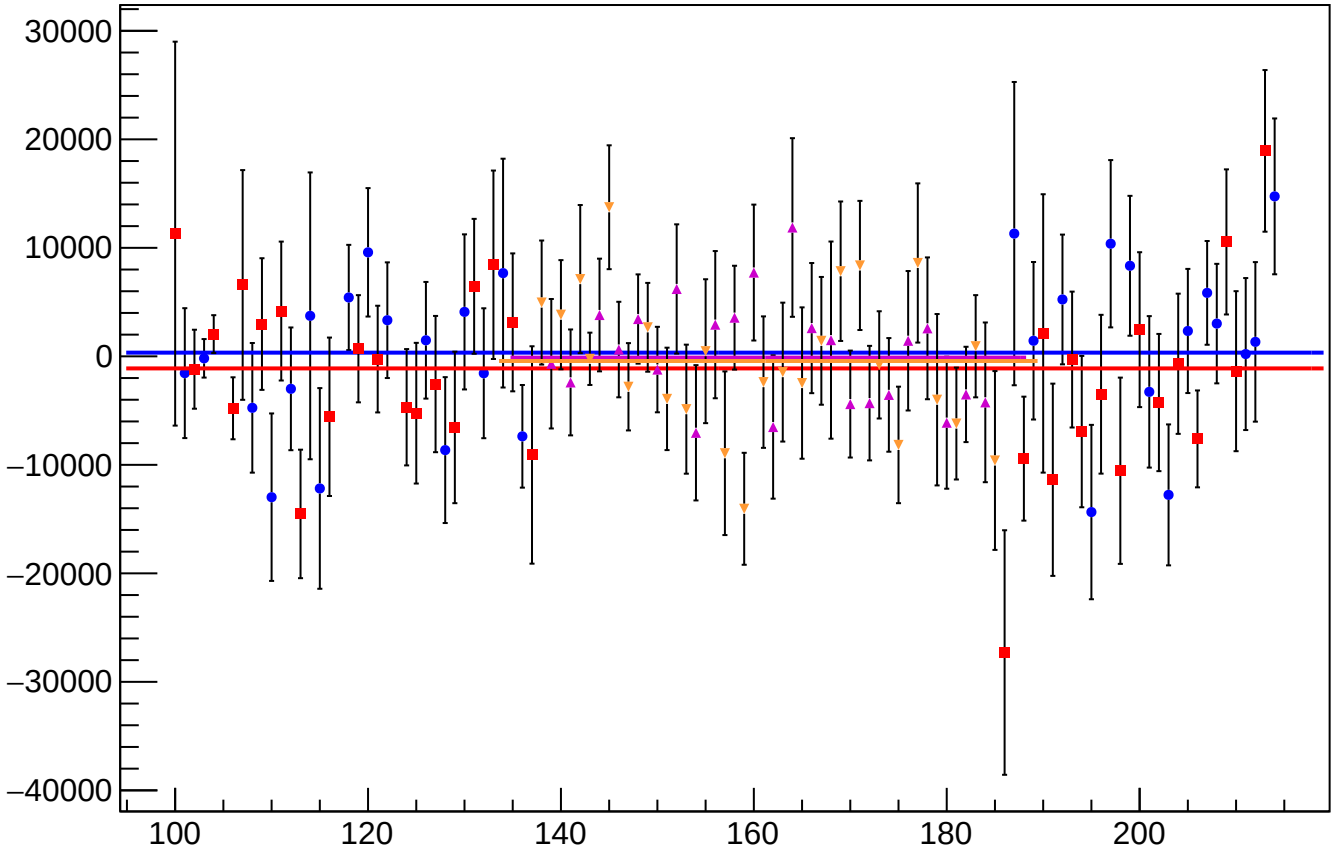
Right: 1303.069+/-0.153 χ^2/NDF: 1042220.8/63

In: 1286.603+/-0.151 χ^2/NDF:581497.5/52

Out: 1296.520+/-0.149 χ^2/NDF:702958.9/58

All: 1291.612+/-0.106 χ^2/NDF: 1286638.9/11

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



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

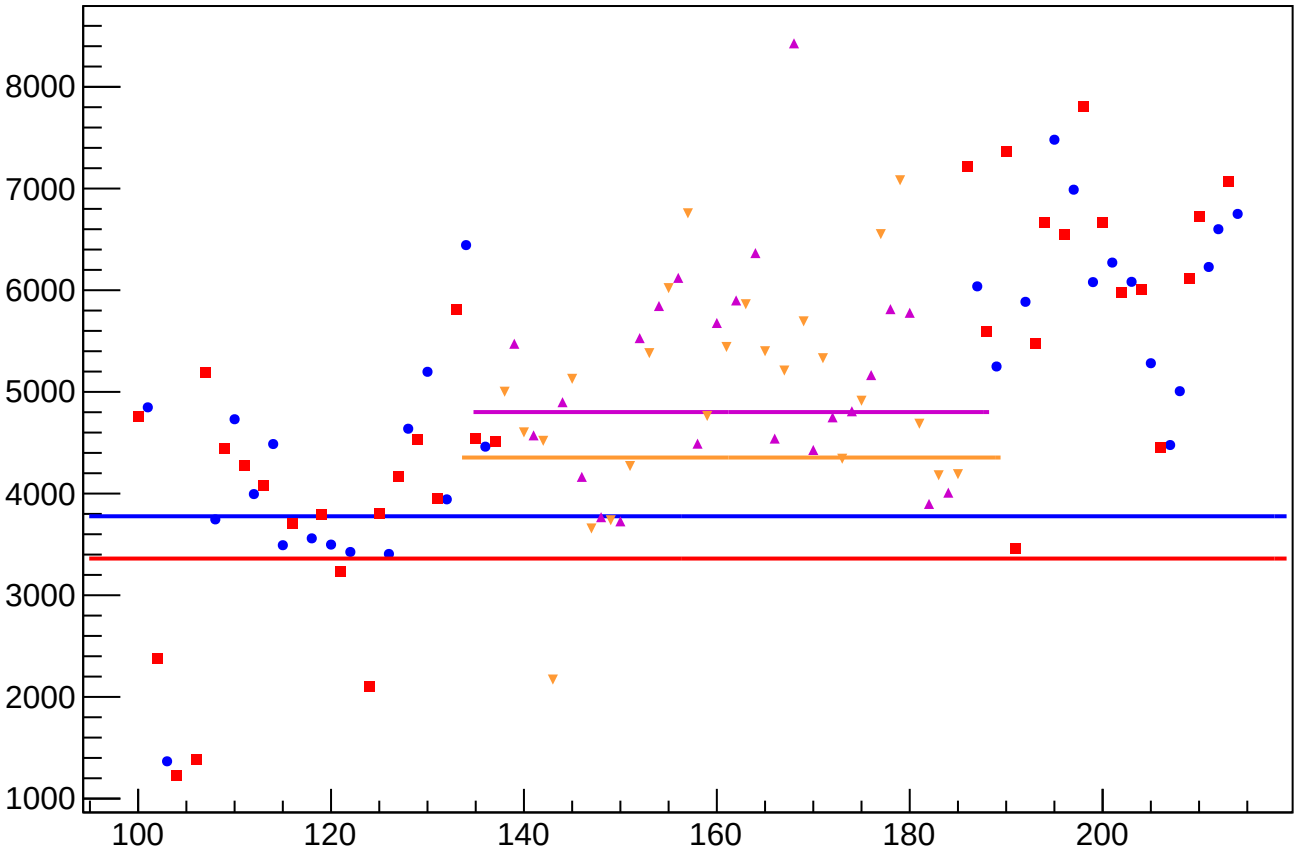
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

Right: -447.936+/-669.365 χ^2/NDF: 76.4/63

In: 143.934+/-748.655 χ^2/NDF:47.0/52

Out: -815.973+/-683.755 χ^2/NDF:72.0/58

All: -379.422+/-504.876 χ^2/NDF: 119.8/111



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

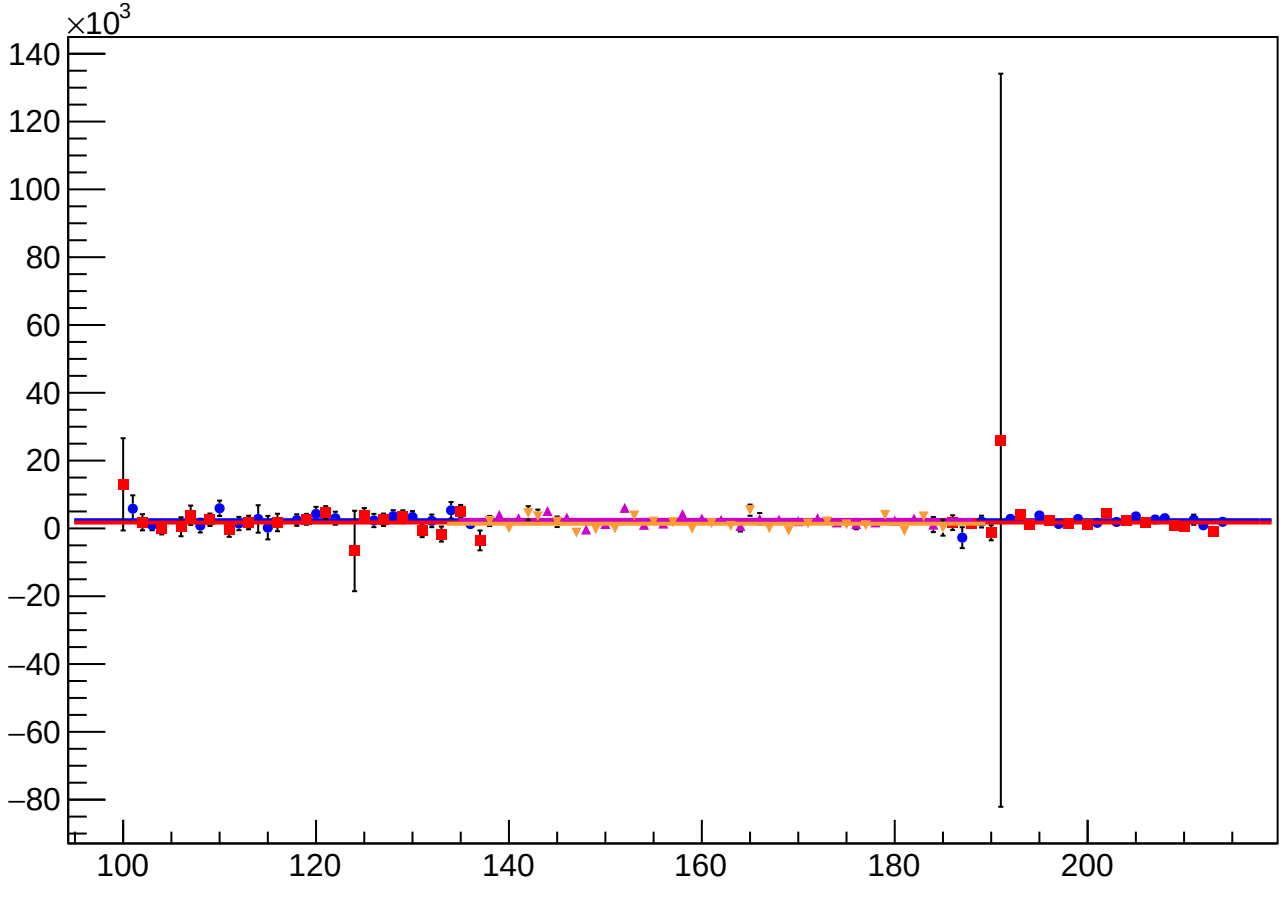
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3551.160+/-0.473 χ^2/NDF: 16977821.0/63

In: 4215.131+/-0.529 χ^2/NDF:9332749.4/52

Out: 3792.028+/-0.483 χ^2/NDF:13711470.1/58

All: 3984.449+/-0.357 χ^2/NDF: 23392498.3/1



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

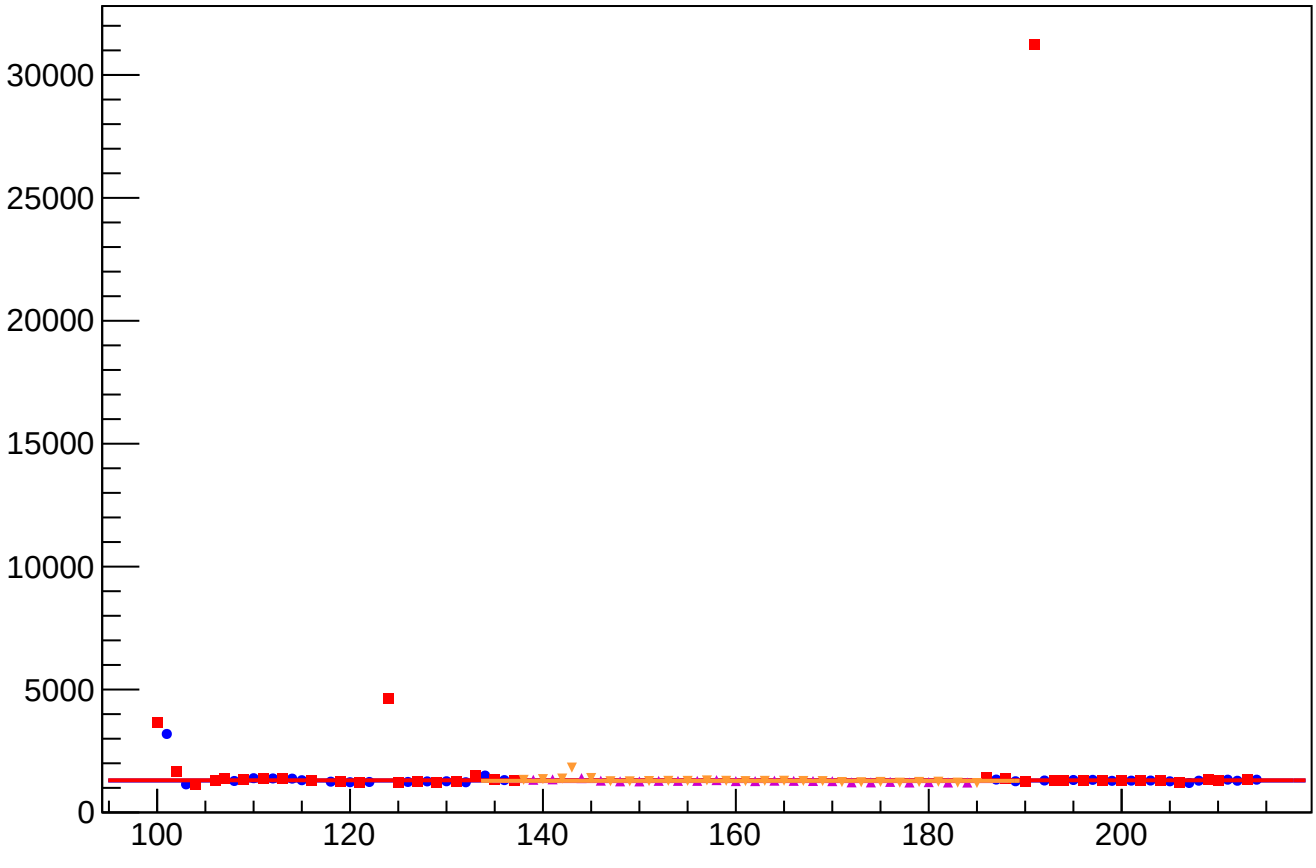
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2078.432+/-215.963 χ^2/NDF: 51.9/63

In: 2472.225+/-213.358 χ^2/NDF:38.8/52

Out: 1551.510+/-211.321 χ^2/NDF:66.7/58

All: 2007.451+/-150.142 χ^2/NDF: 114.8/111



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

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

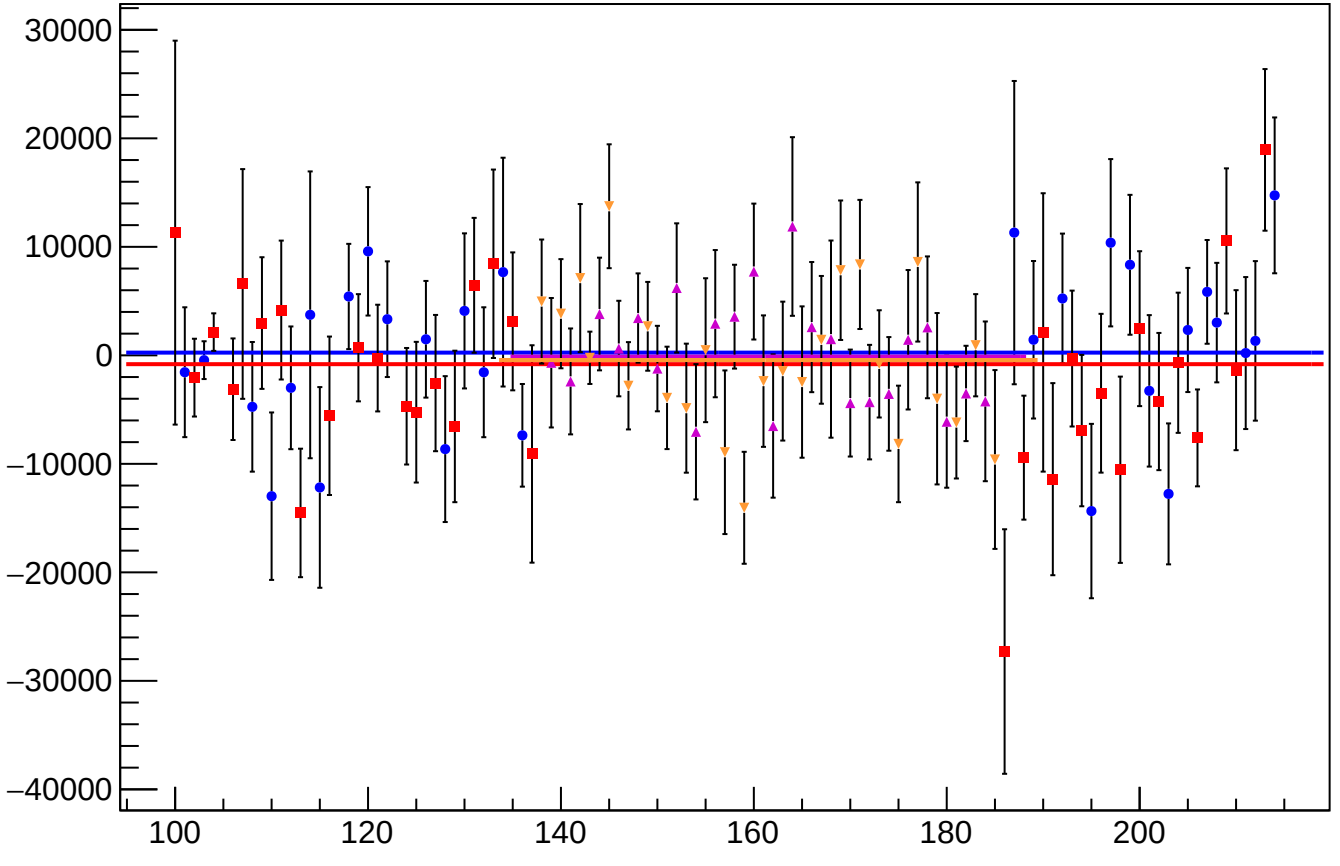
Right: 1303.281+/-0.153 χ^2/NDF: 1041975.0/63

In: 1286.603+/-0.151 χ^2/NDF:581499.0/52

Out: 1296.721+/-0.149 χ^2/NDF:702830.2/58

All: 1291.712+/-0.106 χ^2/NDF: 1286600.8/11

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 251.101+/-983.680 χ^2/NDF: 33.4/29

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -813.521+/-935.625 χ^2/NDF: 40.7/33

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

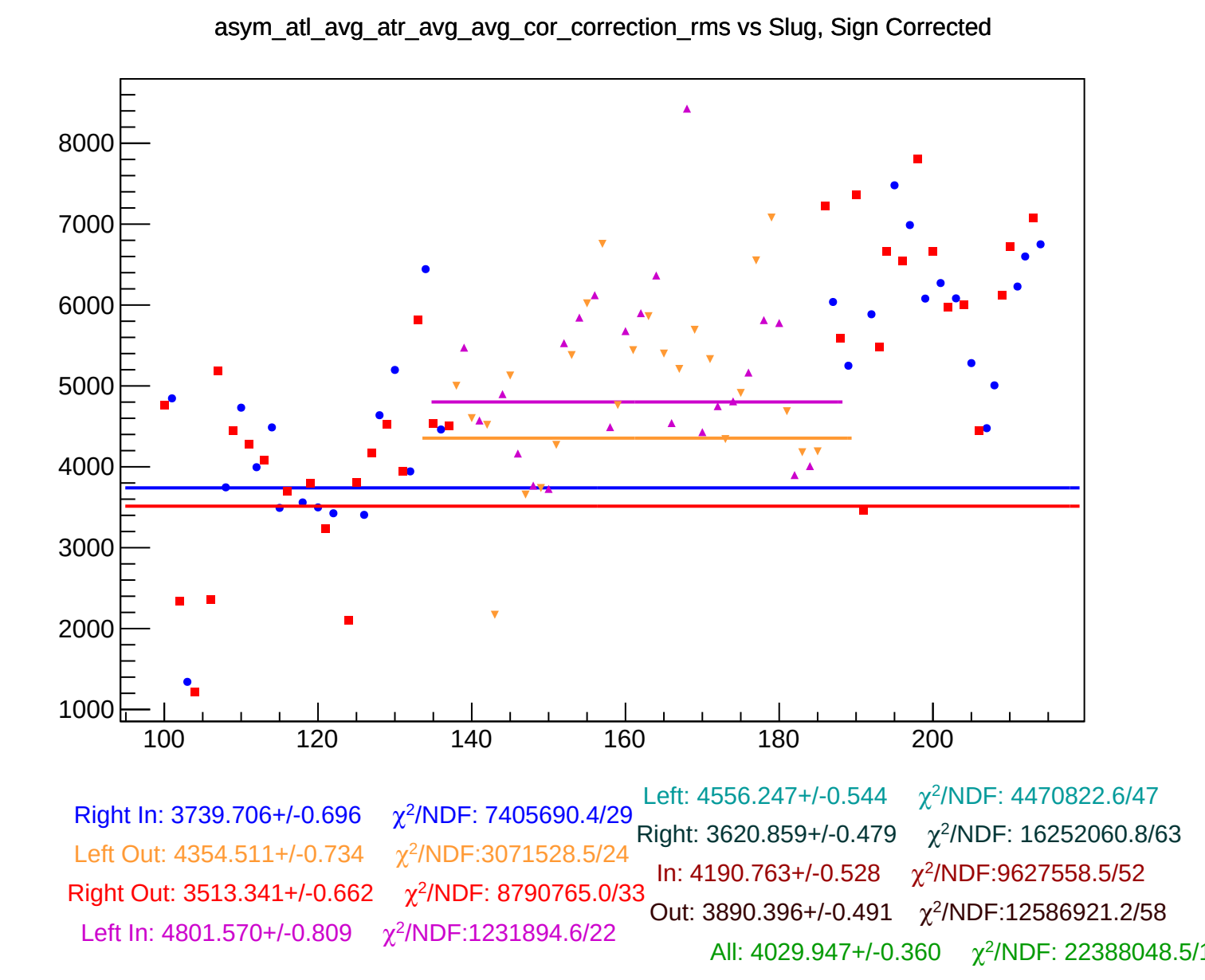
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

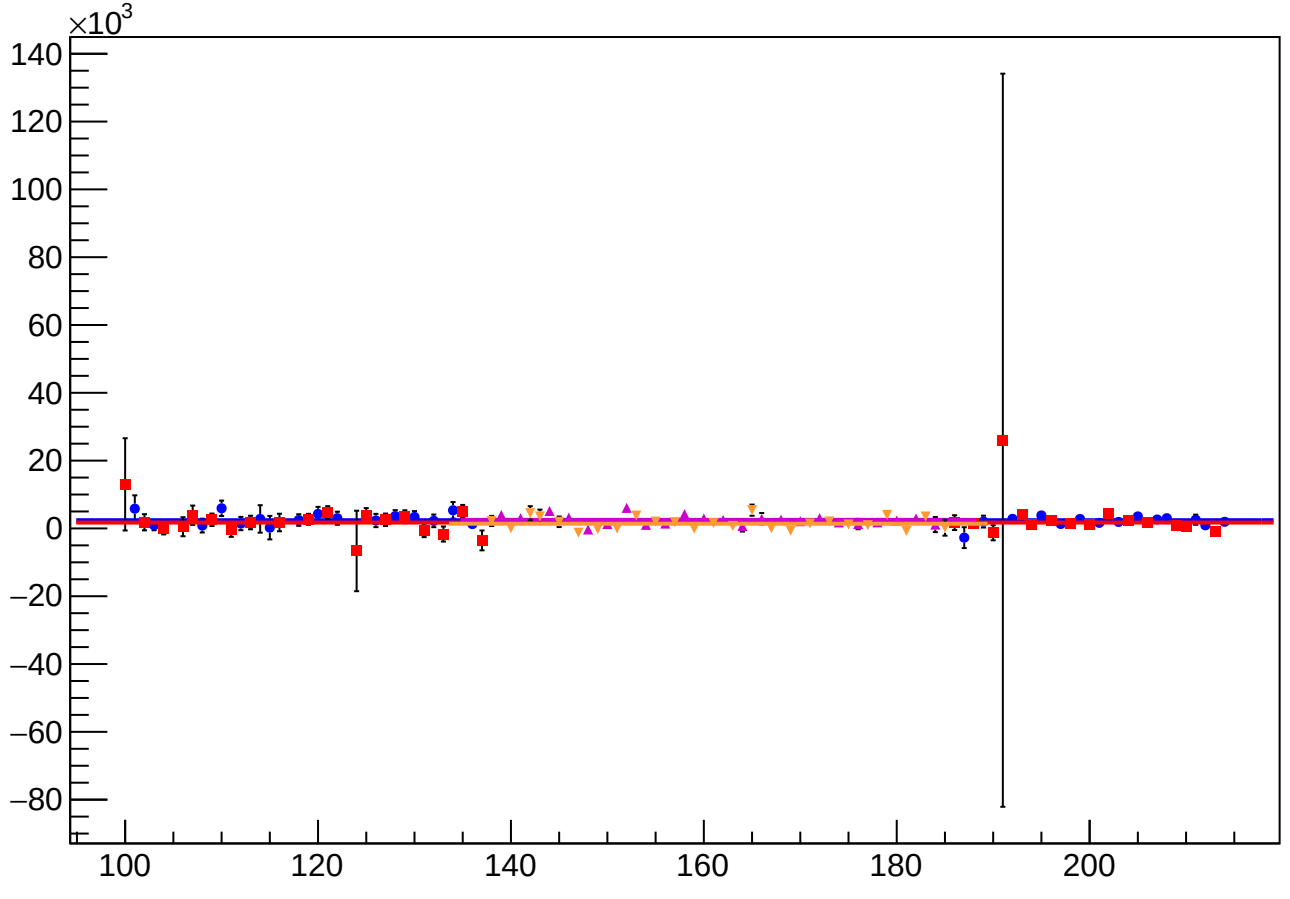
Right: -307.849+/-677.939 χ^2/NDF: 74.7/63

In: 93.759+/-746.056 χ^2/NDF:47.1/52

Out: -640.946+/-694.981 χ^2/NDF:70.6/58

All: -299.601+/-508.524 χ^2/NDF: 118.1/111


asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 3739.706+/-0.696 χ²/NDF: 7405690.4/29
Left Out: 4354.511+/-0.734 χ²/NDF:3071528.5/24
Right Out: 3513.341+/-0.662 χ²/NDF: 8790765.0/33
Left In: 4801.570+/-0.809 χ²/NDF:1231894.6/22
Left: 4556.247+/-0.544 χ²/NDF: 4470822.6/47
Right: 3620.859+/-0.479 χ²/NDF: 16252060.8/63
In: 4190.763+/-0.528 χ²/NDF:9627558.5/52
Out: 3890.396+/-0.491 χ²/NDF:12586921.2/58
All: 4029.947+/-0.360 χ²/NDF: 22388048.5/1



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

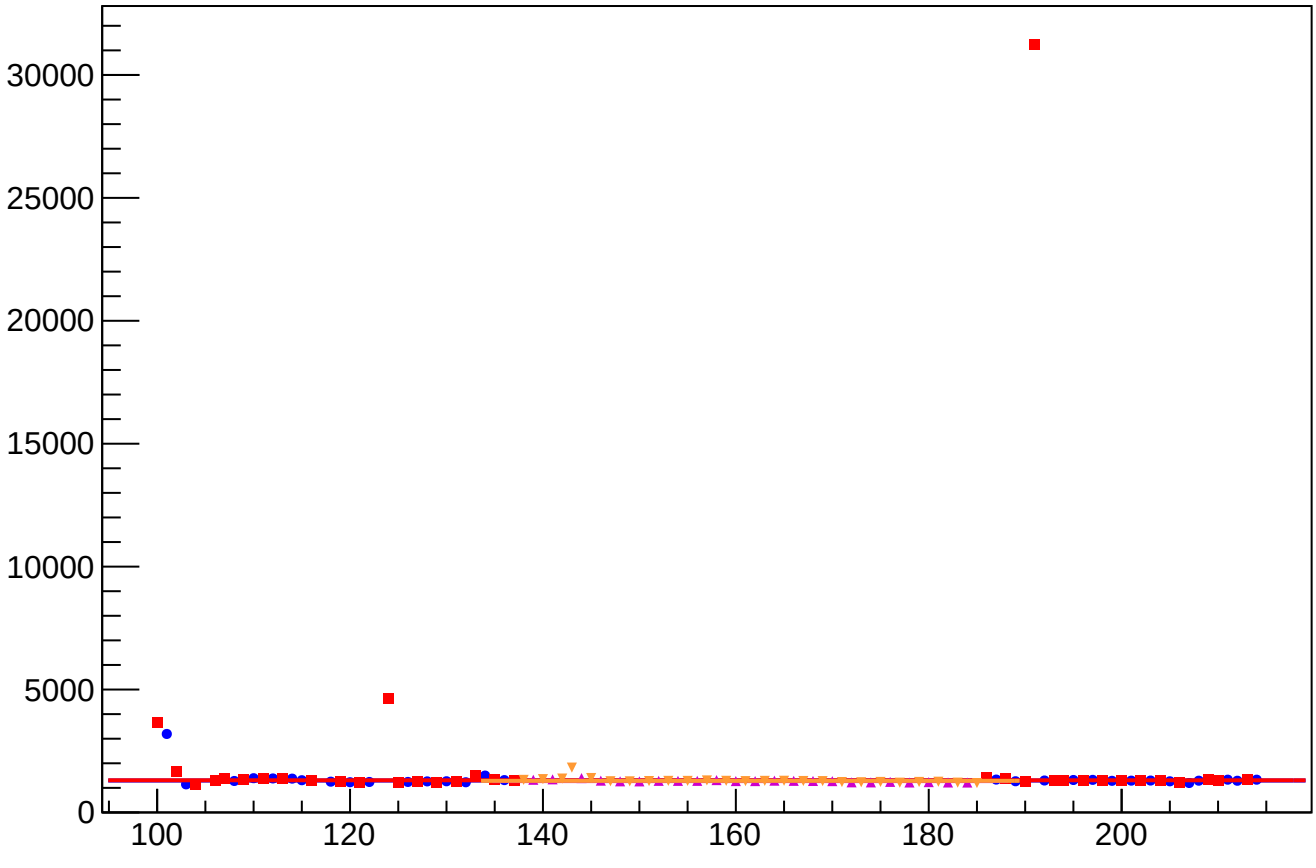
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2078.432+/-215.963 χ^2/NDF: 51.9/63

In: 2472.225+/-213.358 χ^2/NDF:38.8/52

Out: 1551.510+/-211.321 χ^2/NDF:66.7/58

All: 2007.451+/-150.142 χ^2/NDF: 114.8/111



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

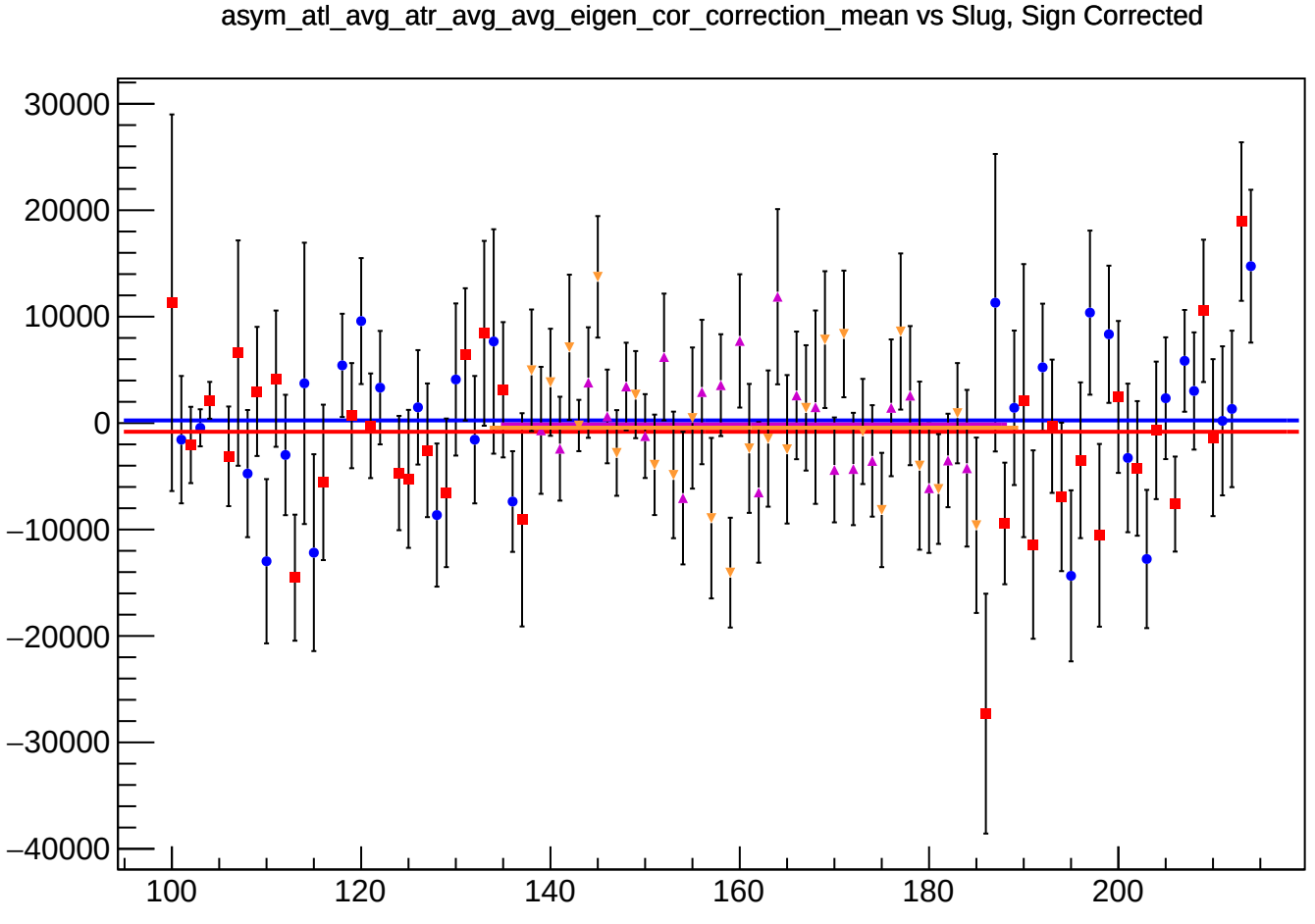
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1303.281+/-0.153 χ^2/NDF: 1041975.0/63

In: 1286.603+/-0.151 χ^2/NDF:581499.0/52

Out: 1296.721+/-0.149 χ^2/NDF:702830.2/58

All: 1291.712+/-0.106 χ^2/NDF: 1286600.8/11



Right In: 251.101+/-983.680 χ^2/NDF: 33.4/29

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -813.521+/-935.625 χ^2/NDF: 40.7/33

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

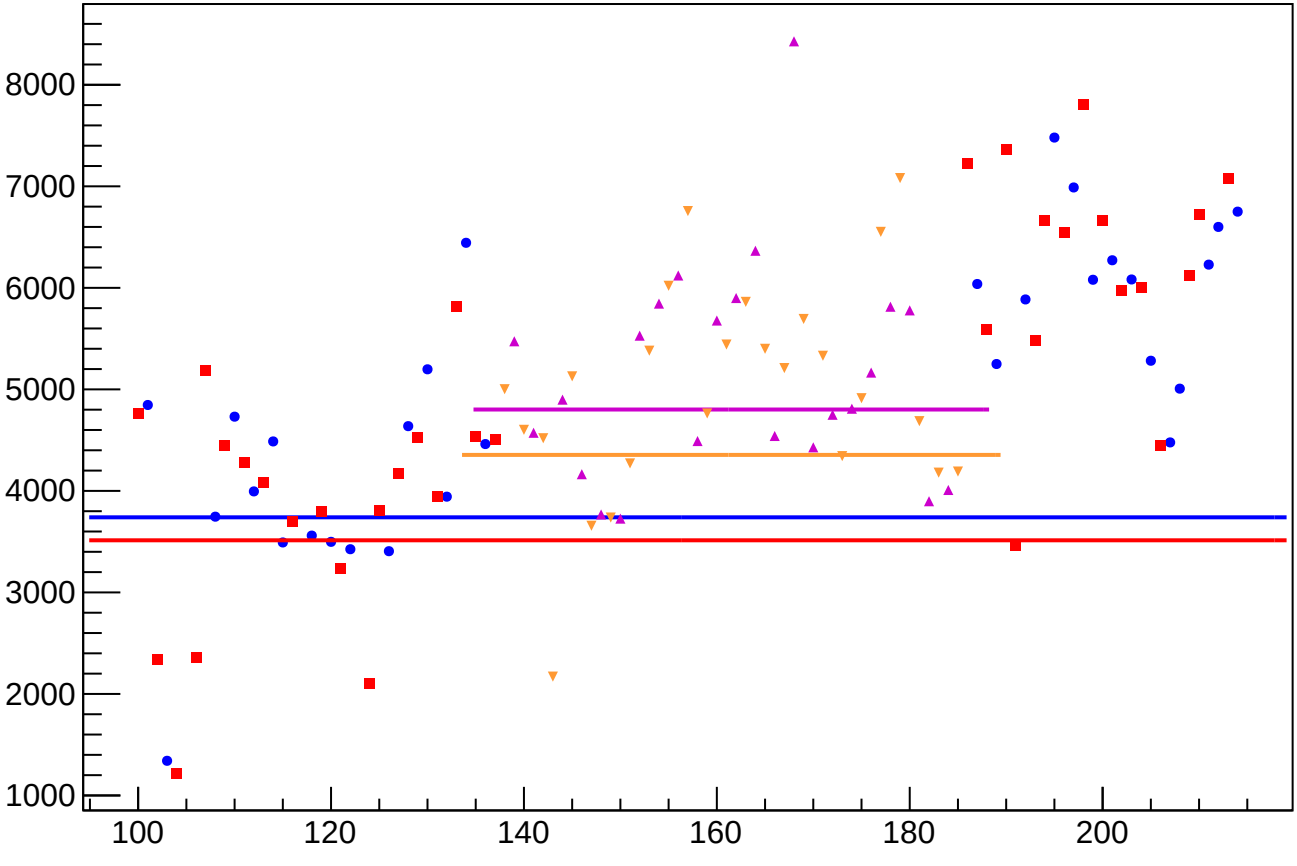
Right: -307.849+/-677.939 χ^2/NDF: 74.7/63

In: 93.759+/-746.056 χ^2/NDF:47.1/52

Out: -640.946+/-694.981 χ^2/NDF:70.6/58

All: -299.601+/-508.524 χ^2/NDF: 118.1/111

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

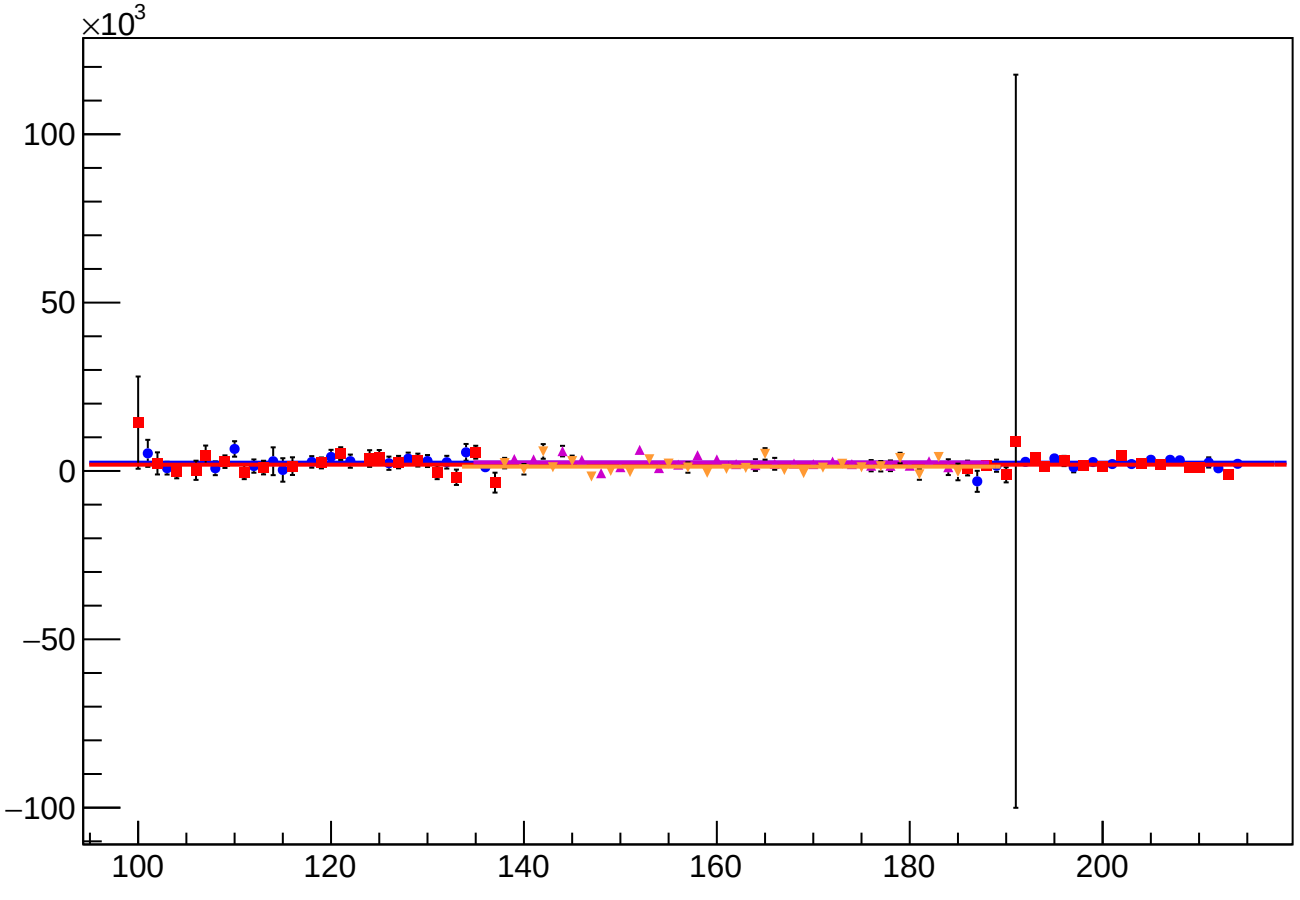
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3620.859+/-0.479 χ^2/NDF: 16252060.8/63

In: 4190.763+/-0.528 χ^2/NDF:9627558.5/52

Out: 3890.396+/-0.491 χ^2/NDF:12586921.2/58

All: 4029.947+/-0.360 χ^2/NDF: 22388048.5/1



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

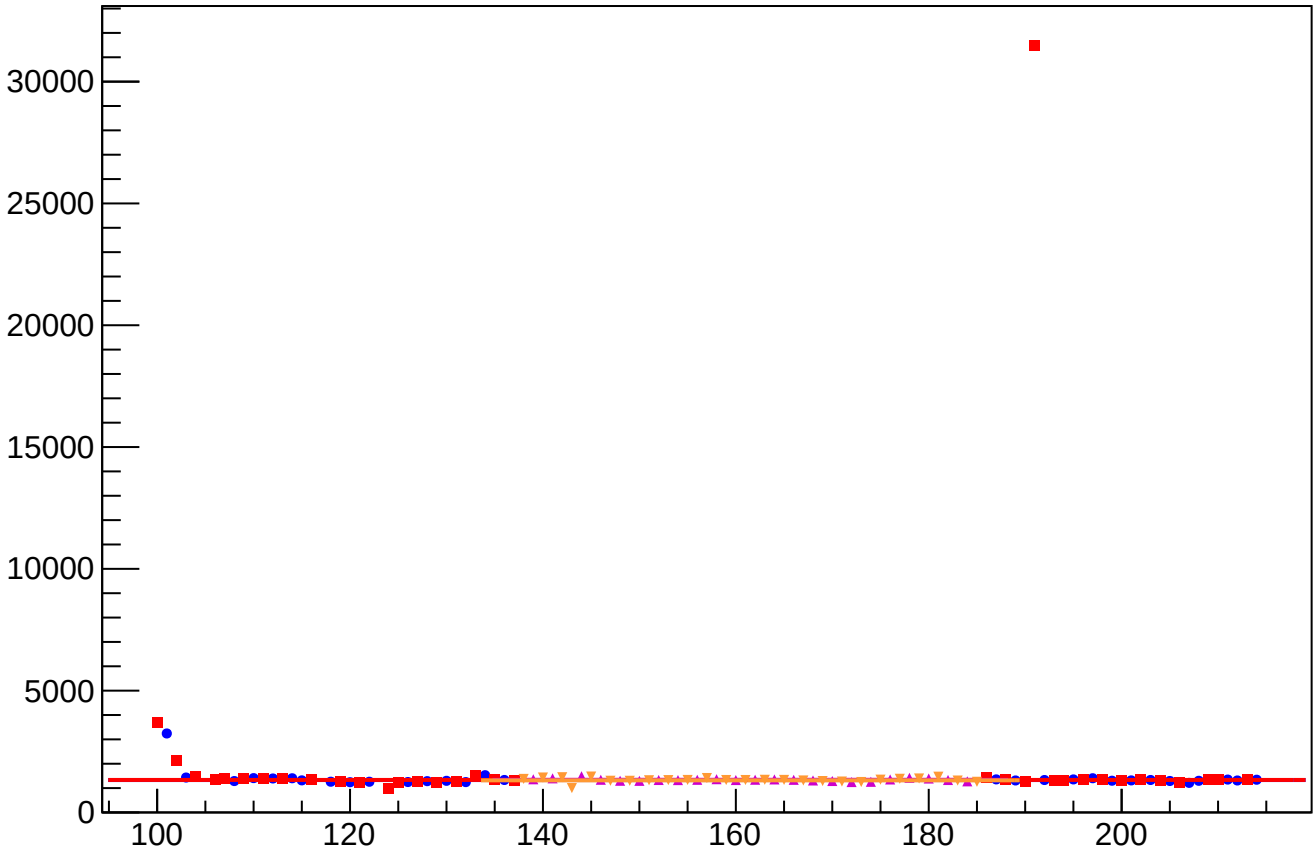
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2165.821+/-220.968 χ^2/NDF: 53.5/63

In: 2498.673+/-221.364 χ^2/NDF:42.0/52

Out: 1565.953+/-216.371 χ^2/NDF:69.9/58

All: 2021.675+/-154.733 χ^2/NDF: 121.0/111



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

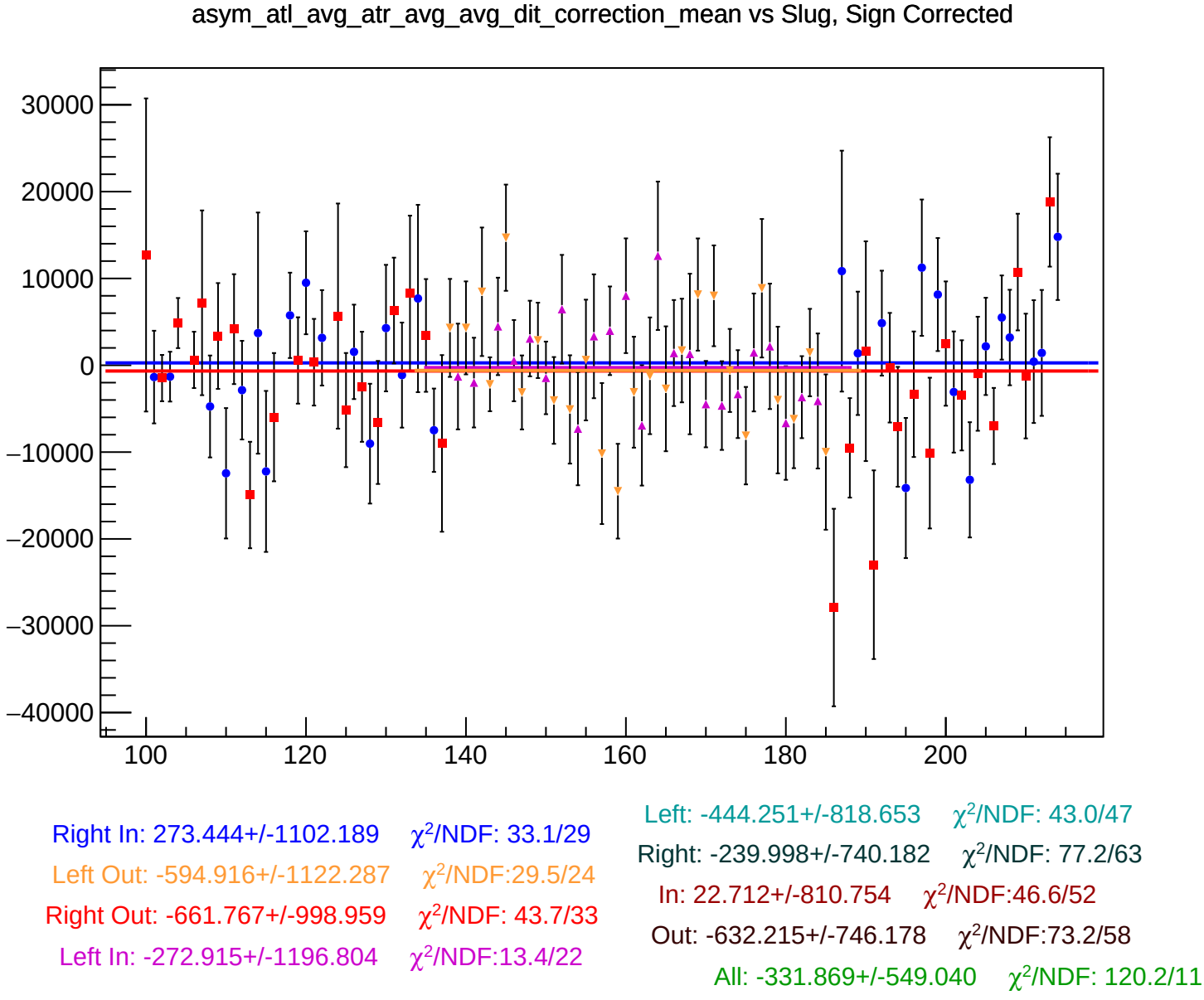
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1332.492+/-0.156 χ^2/NDF: 970981.5/63

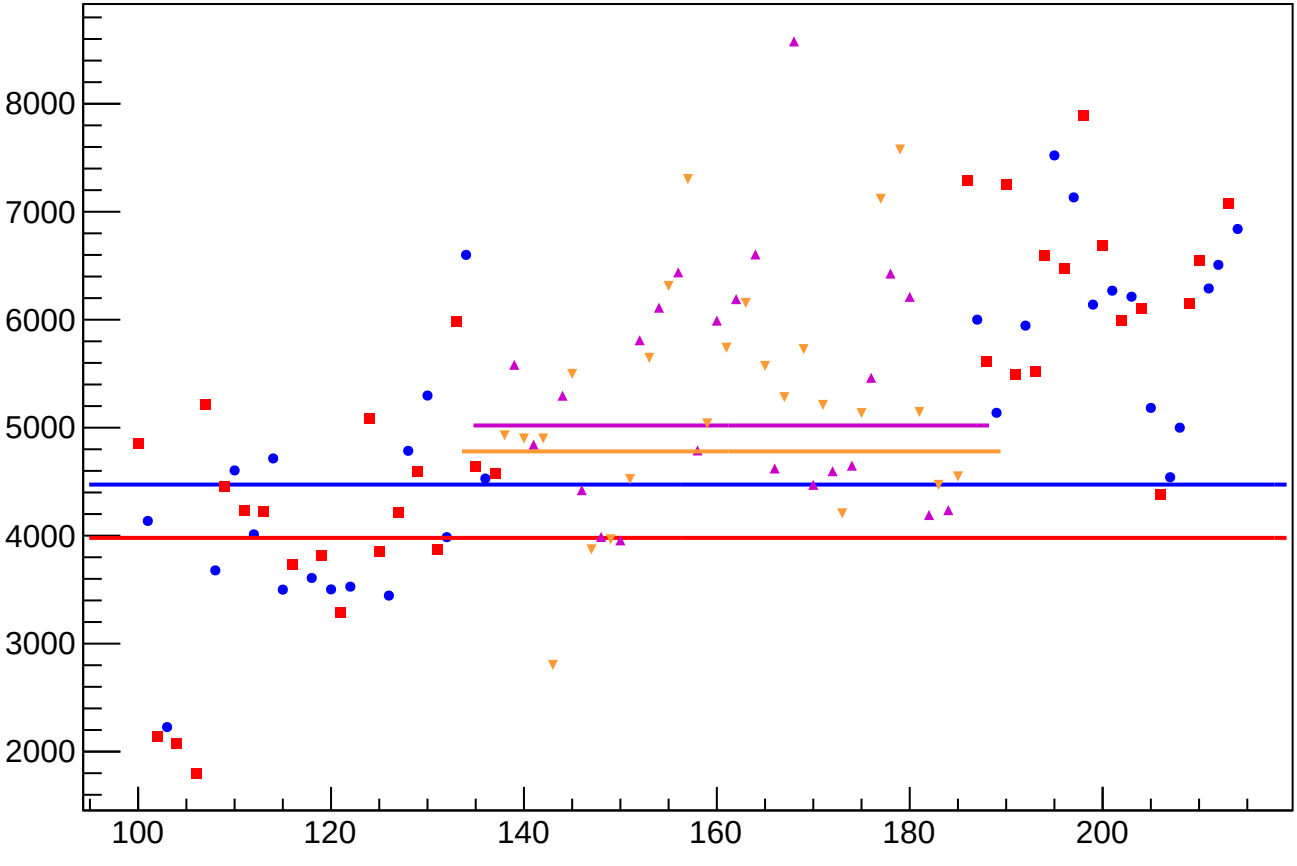
In: 1334.508+/-0.157 χ^2/NDF:577953.7/52

Out: 1326.068+/-0.153 χ^2/NDF:699196.8/58

All: 1330.191+/-0.109 χ^2/NDF: 1278637.5/11


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 273.444+/-1102.189 χ²/NDF: 33.1/29
Left Out: -594.916+/-1122.287 χ²/NDF:29.5/24
Right Out: -661.767+/-998.959 χ²/NDF: 43.7/33
Left In: -272.915+/-1196.804 χ²/NDF:13.4/22
Left: -444.251+/-818.653 χ²/NDF: 43.0/47
Right: -239.998+/-740.182 χ²/NDF: 77.2/63
In: 22.712+/-810.754 χ²/NDF:46.6/52
Out: -632.215+/-746.178 χ²/NDF:73.2/58
All: -331.869+/-549.040 χ²/NDF: 120.2/111

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



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

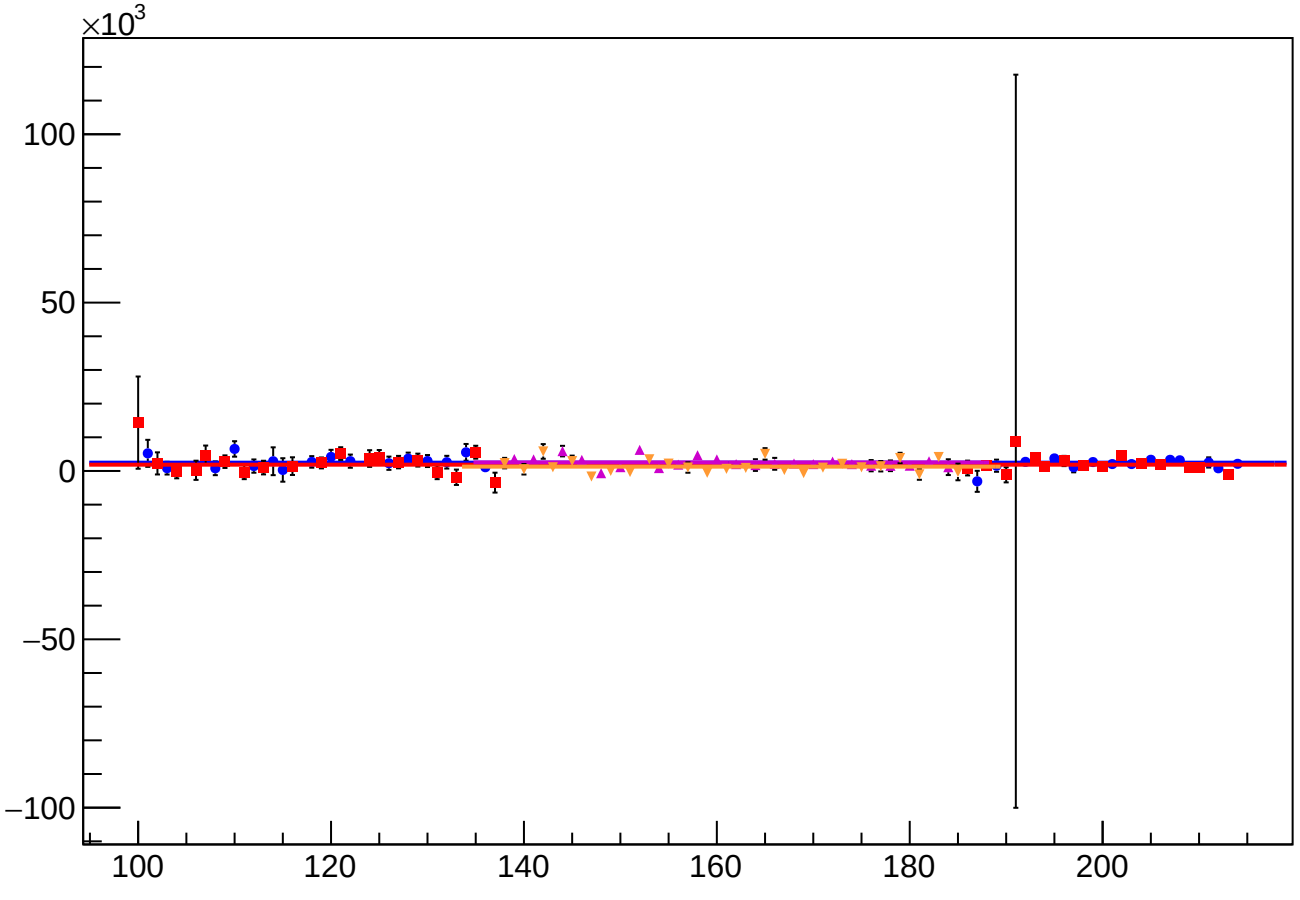
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 4202.108+/-0.523 χ^2/NDF: 9583152.7/63

In: 4724.389+/-0.573 χ^2/NDF:4753270.8/52

Out: 4333.497+/-0.528 χ^2/NDF:8635602.3/58

All: 4512.758+/-0.388 χ^2/NDF: 13640575.5/1



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

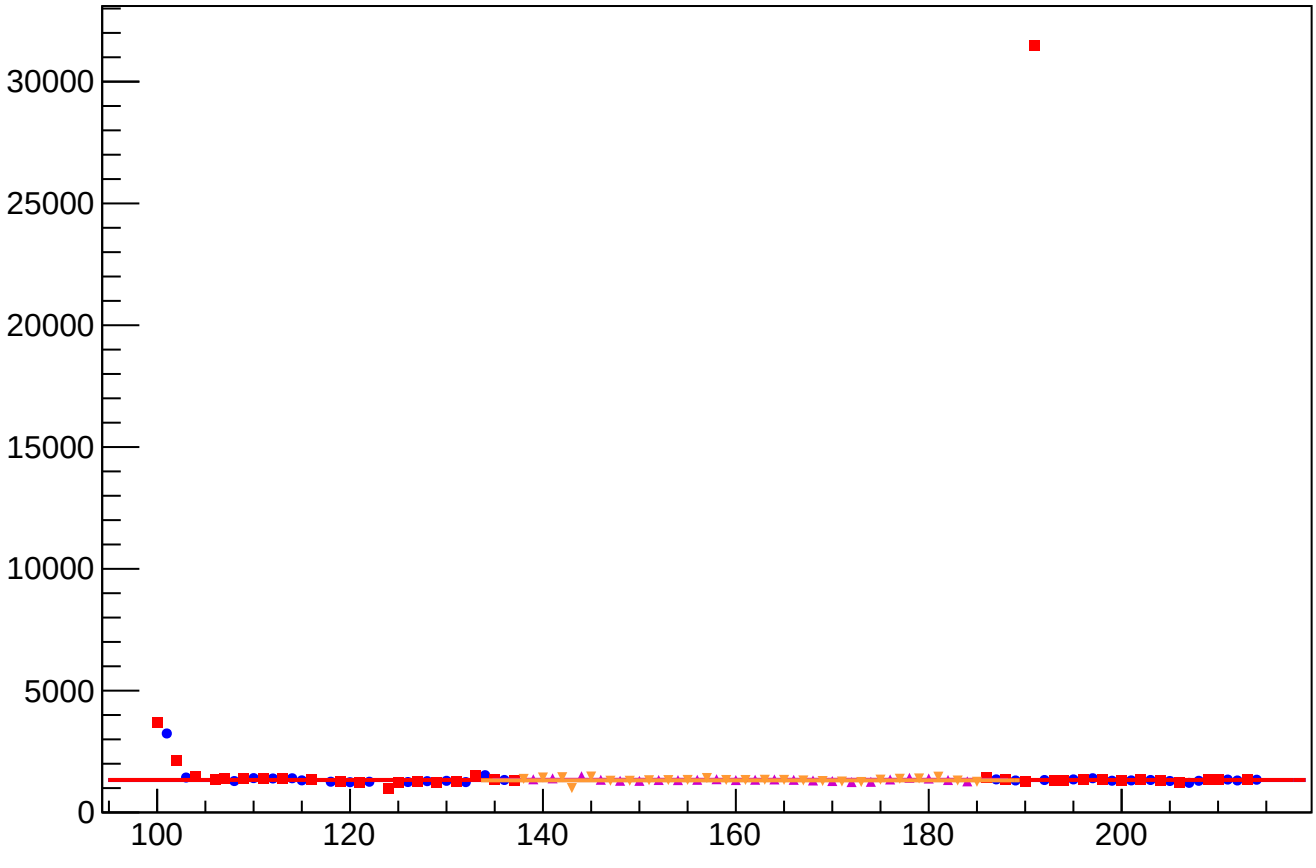
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2165.819+/-220.968 χ^2/NDF: 53.5/63

In: 2498.672+/-221.364 χ^2/NDF:42.0/52

Out: 1565.949+/-216.371 χ^2/NDF:69.9/58

All: 2021.673+/-154.733 χ^2/NDF: 121.0/111



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

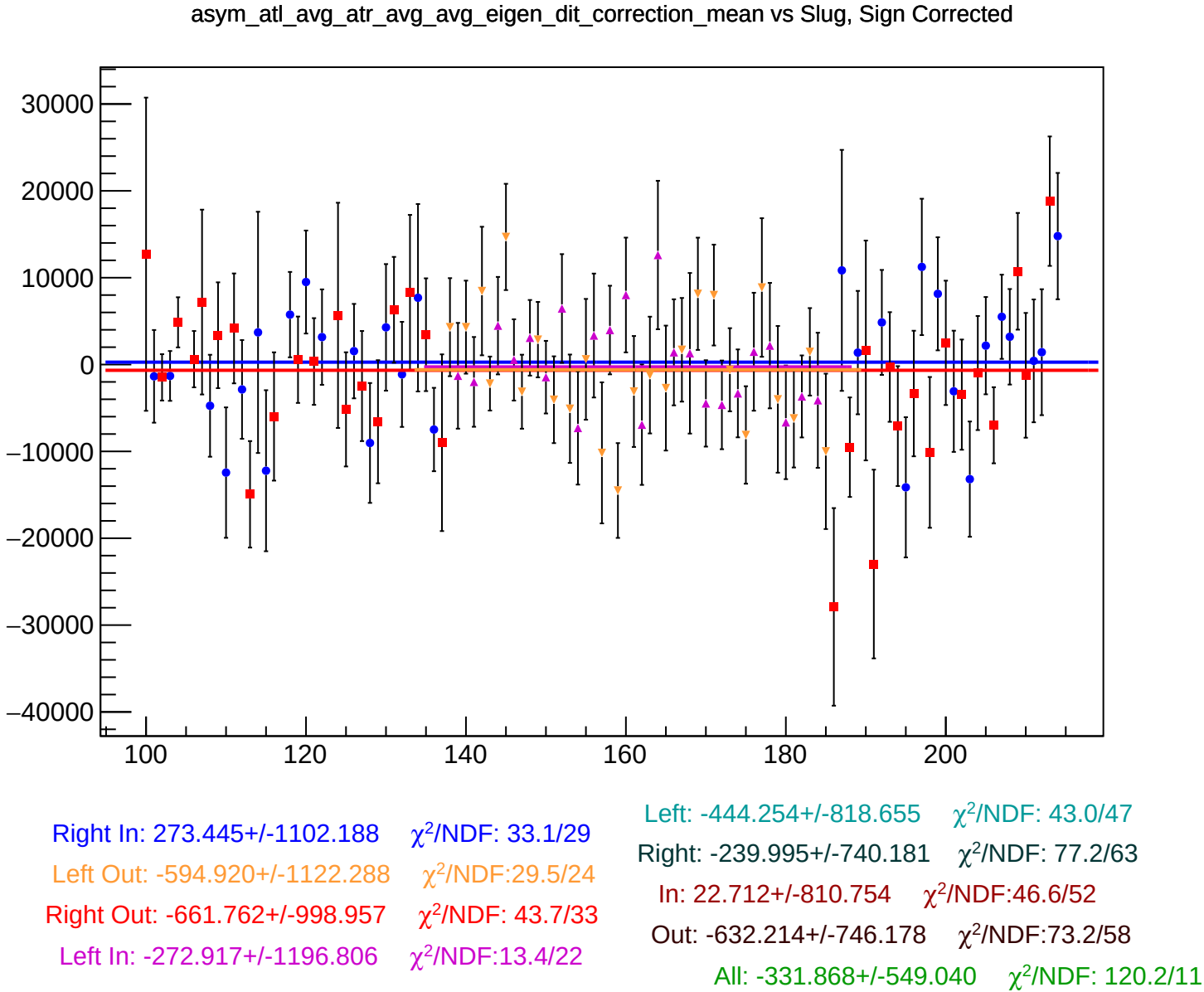
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

Right: 1332.492+/-0.156 χ^2/NDF: 970980.6/63

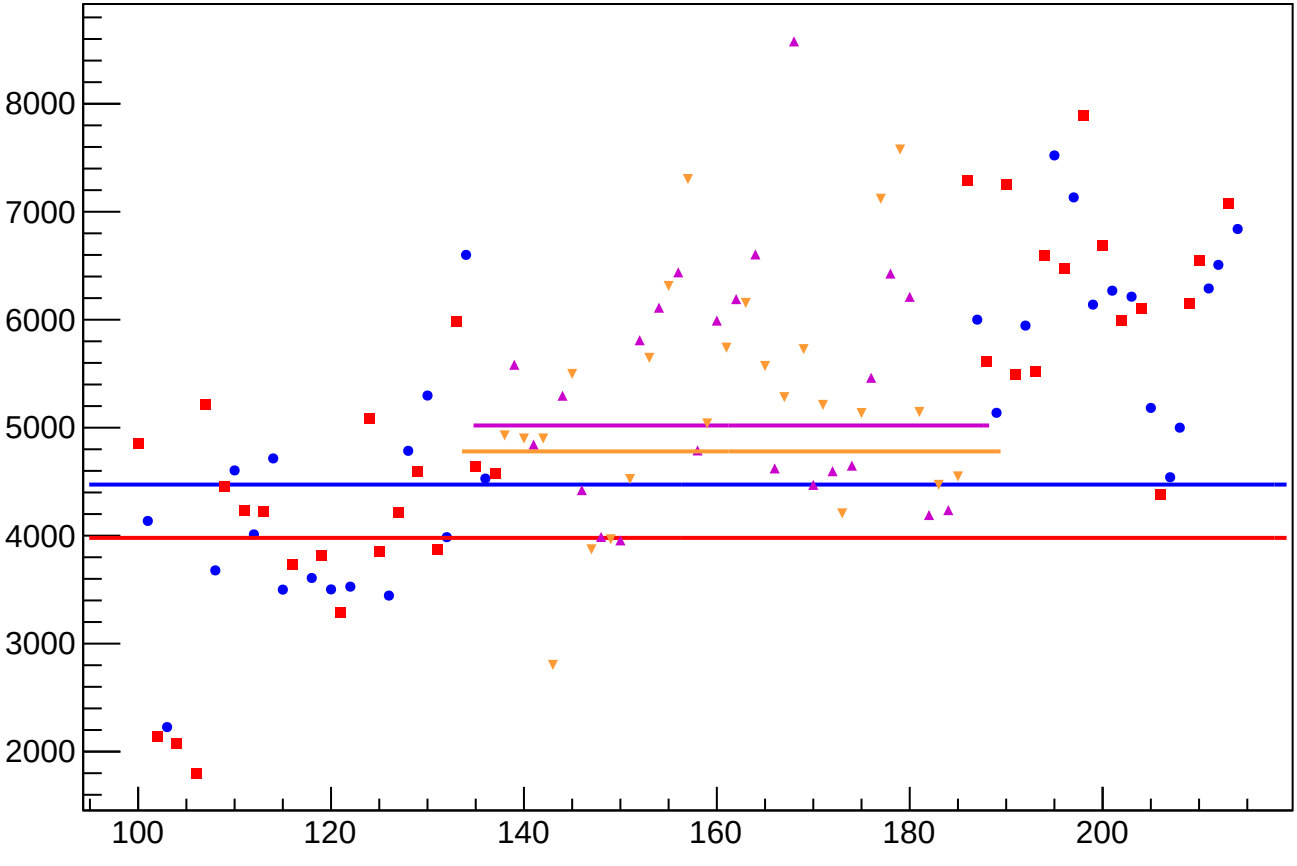
In: 1334.509+/-0.157 χ^2/NDF:577956.7/52

Out: 1326.068+/-0.153 χ^2/NDF:699197.8/58

All: 1330.192+/-0.109 χ^2/NDF: 1278641.5/11


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 273.445+/-1102.188 χ²/NDF: 33.1/29
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: -661.762+/-998.957 χ²/NDF: 43.7/33
Left In: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -444.254+/-818.655 χ²/NDF: 43.0/47
Right: -239.995+/-740.181 χ²/NDF: 77.2/63
In: 22.712+/-810.754 χ²/NDF:46.6/52
Out: -632.214+/-746.178 χ²/NDF:73.2/58
All: -331.868+/-549.040 χ²/NDF: 120.2/111

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

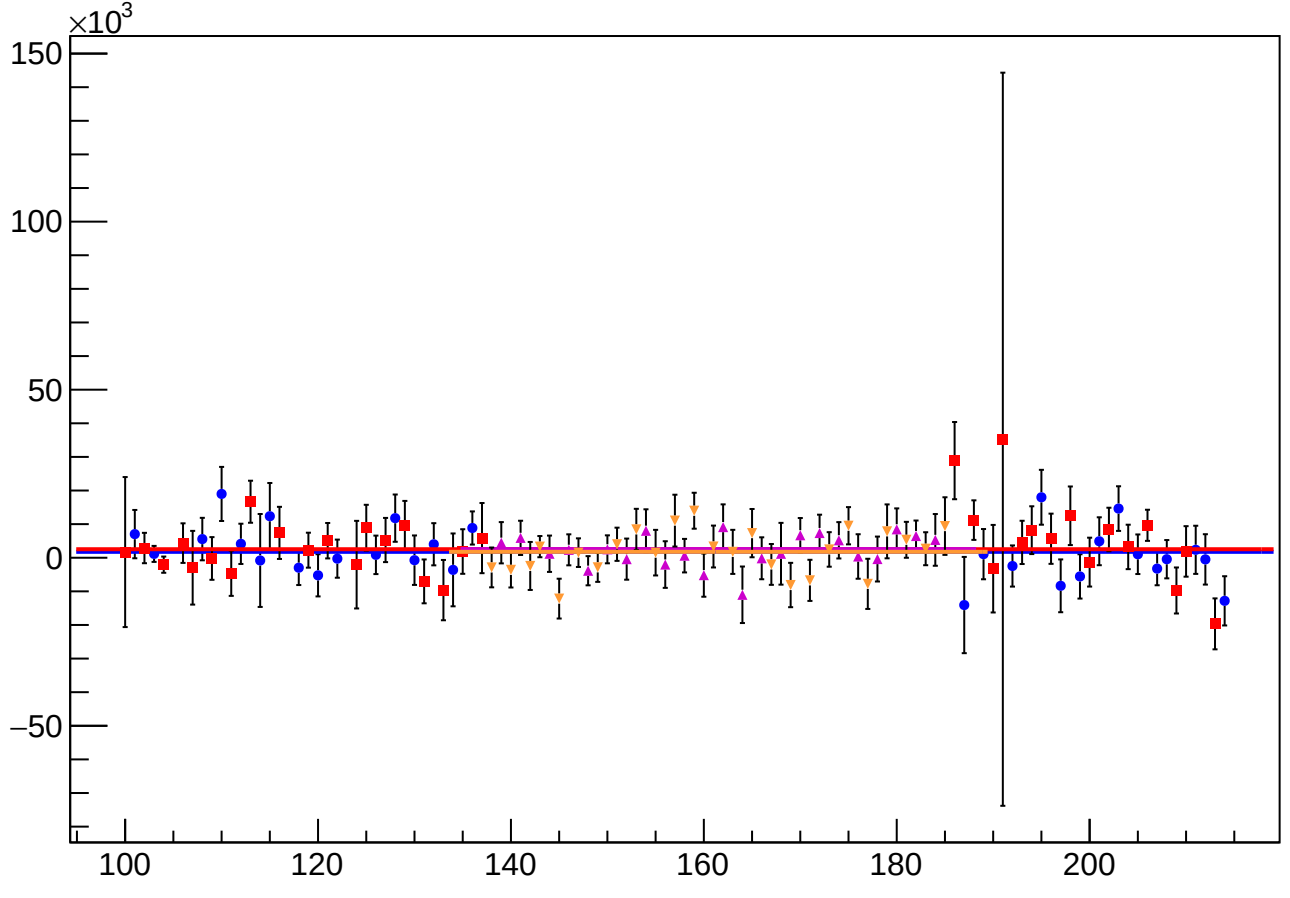
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 4202.101+/-0.523 χ^2/NDF: 9583234.2/63

In: 4724.389+/-0.573 χ^2/NDF:4753320.3/52

Out: 4333.495+/-0.528 χ^2/NDF:8635669.7/58

All: 4512.757+/-0.388 χ^2/NDF: 13640695.0/1



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

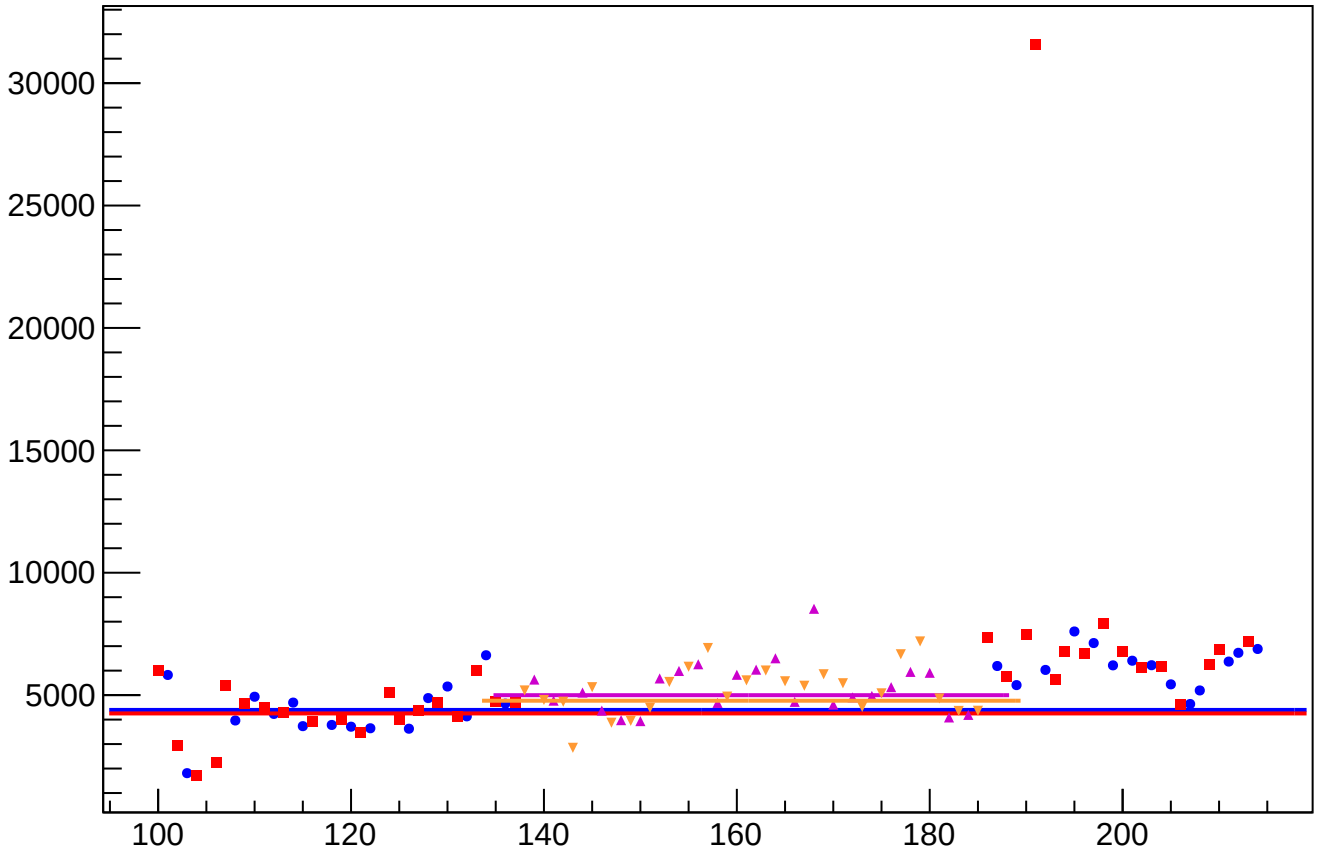
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 2152.794+/-774.732 χ^2/NDF: 74.2/63

In: 2139.037+/-808.865 χ^2/NDF:45.0/52

Out: 2158.597+/-778.914 χ^2/NDF:70.4/58

All: 2149.186+/-561.065 χ^2/NDF: 115.4/111



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

Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

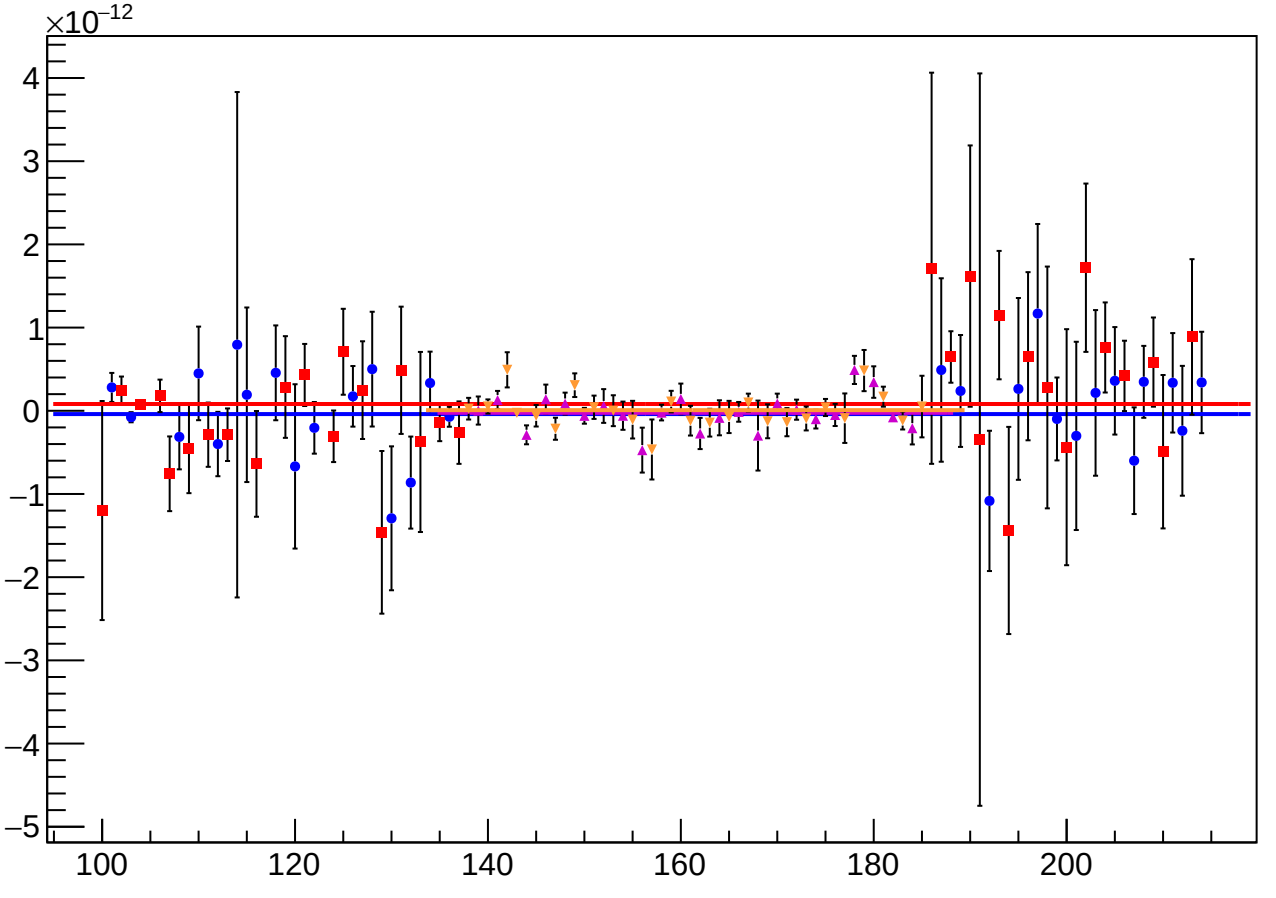
Right: 4321.106+/-0.545 χ^2/NDF: 10352314.4/63

In: 4673.480+/-0.572 χ^2/NDF:6002224.6/52

Out: 4502.000+/-0.548 χ^2/NDF:7716095.5/58

All: 4584.103+/-0.396 χ^2/NDF: 13765171.2/1

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

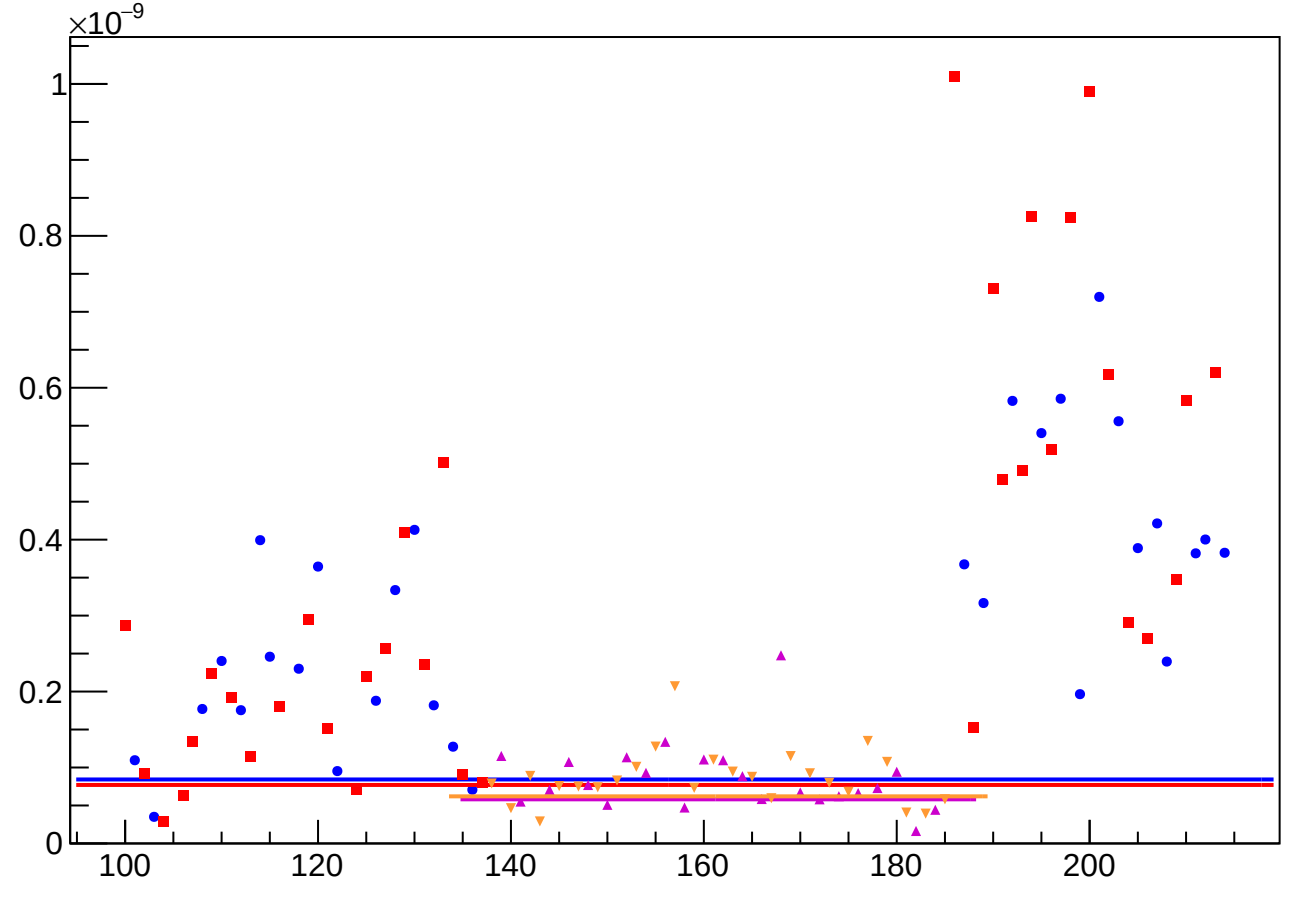
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 58.0/63

In: -0.000+/-0.000 χ^2/NDF:51.7/52

Out: 0.000+/-0.000 χ^2/NDF:63.7/58

All: -0.000+/-0.000 χ^2/NDF: 118.2/111



Right In: 0.000+/-0.000 χ^2/NDF: 8503812.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10082484.4/33

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

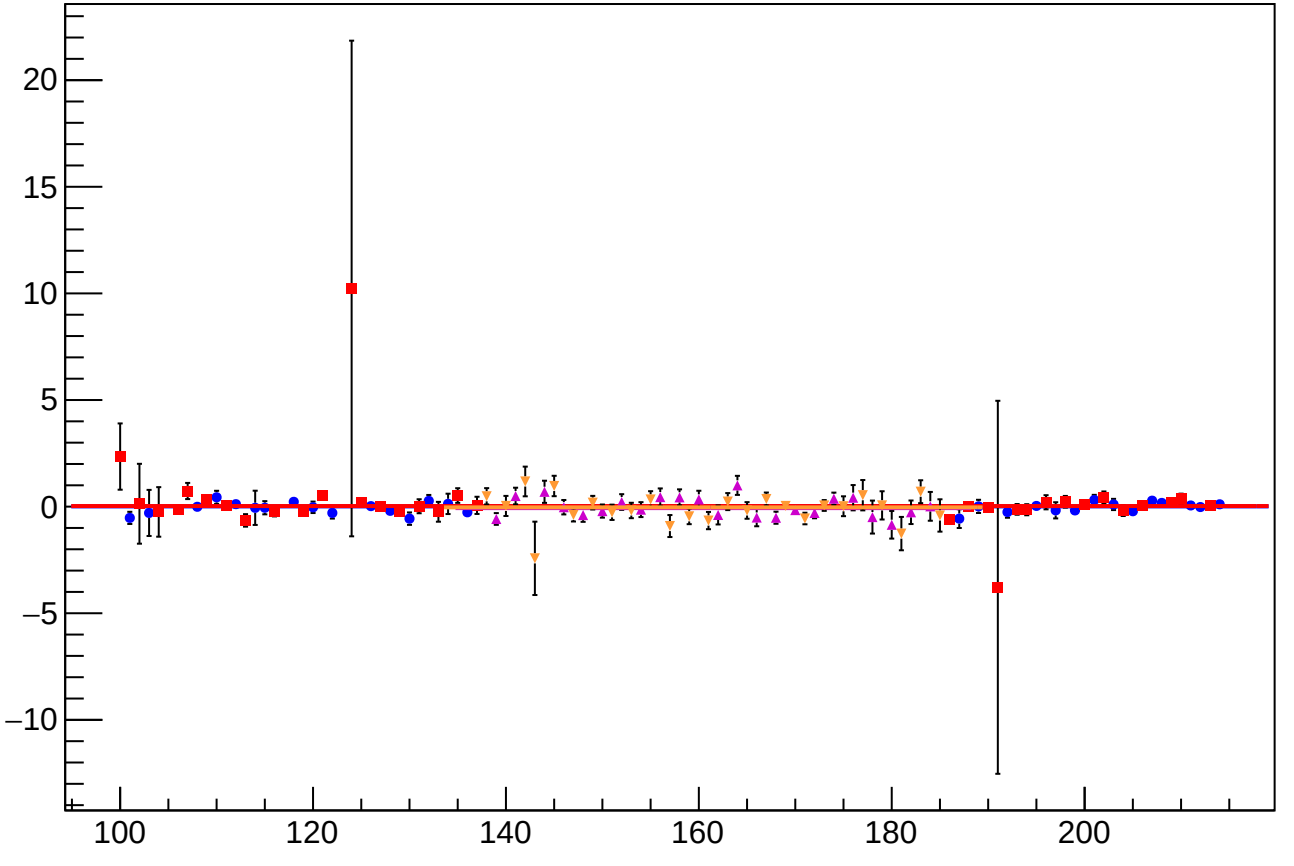
Right: 0.000+/-0.000 χ^2/NDF: 18610391.5/63

In: 0.000+/-0.000 χ^2/NDF:11943187.4/52

Out: 0.000+/-0.000 χ^2/NDF:12687620.9/58

All: 0.000+/-0.000 χ^2/NDF: 24634165.9/111

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

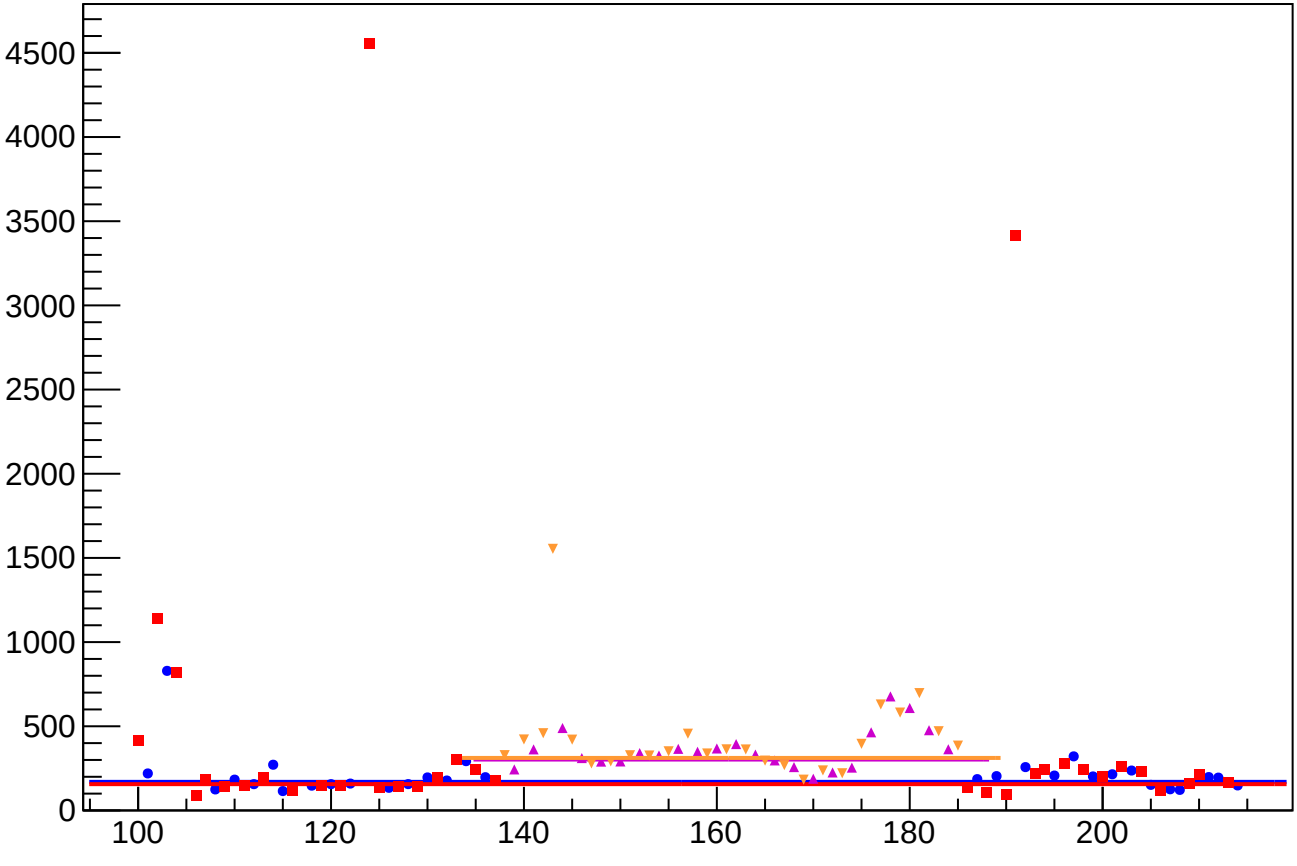
Right: 0.020+/-0.029 χ^2/NDF: 71.1/63

In: -0.009+/-0.037 χ^2/NDF:58.8/52

Out: 0.014+/-0.036 χ^2/NDF:76.0/58

All: 0.003+/-0.026 χ^2/NDF: 135.0/111

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

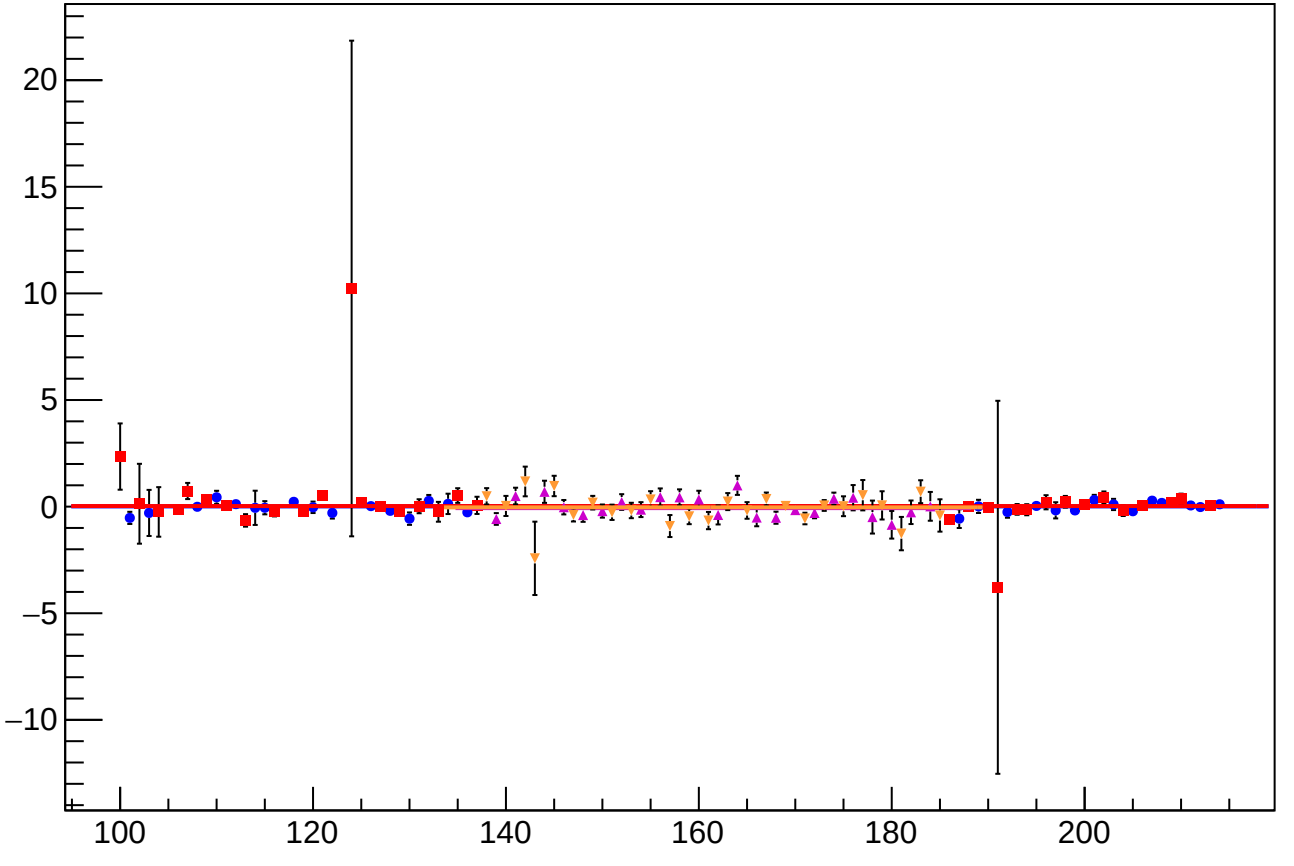
Right: 162.659+/-0.021 χ^2/NDF: 7689661.2/63

In: 202.547+/-0.026 χ^2/NDF:10220705.5/52

Out: 190.236+/-0.025 χ^2/NDF:15687392.3/58

All: 196.159+/-0.018 χ^2/NDF: 26021719.3/11

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

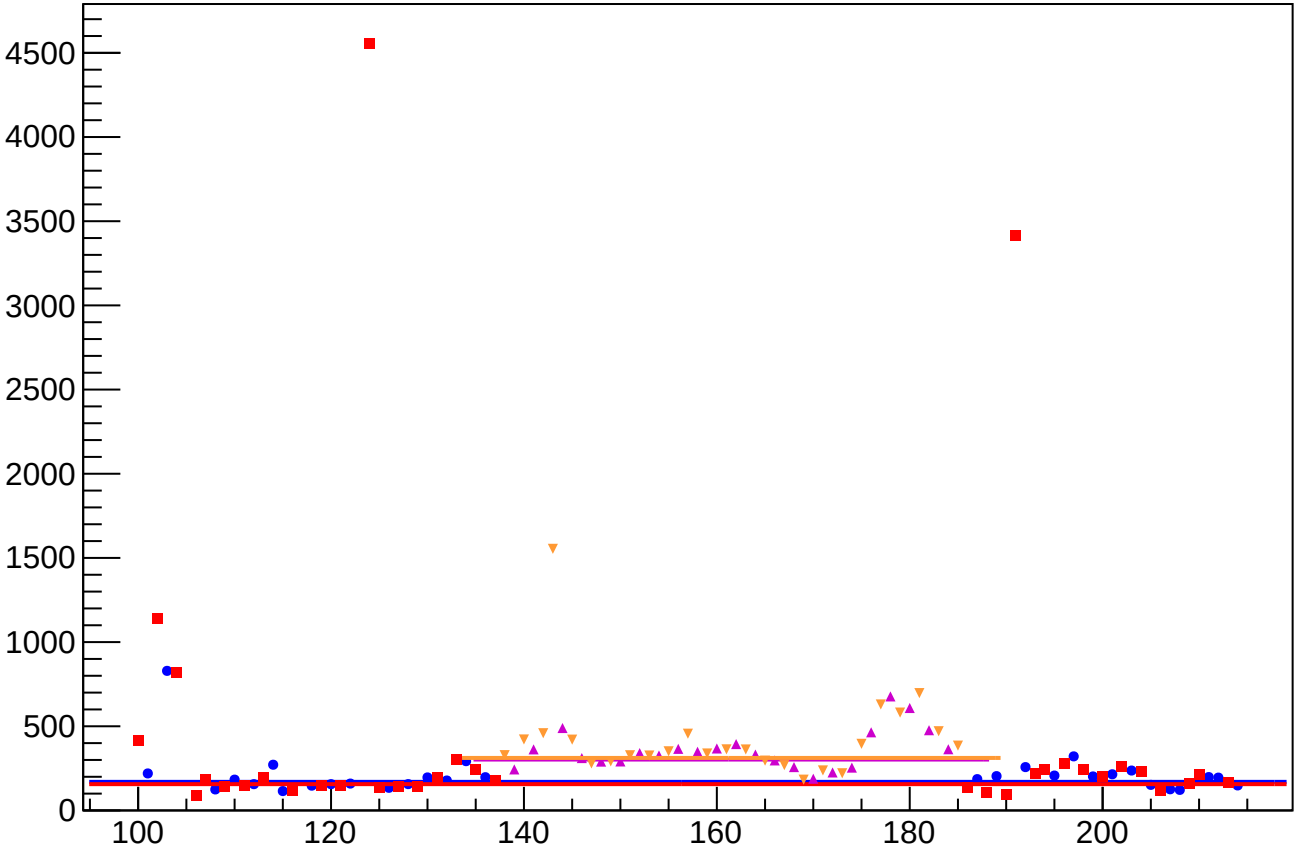
Right: 0.020+/-0.029 χ^2/NDF: 71.1/63

In: -0.009+/-0.037 χ^2/NDF:58.8/52

Out: 0.014+/-0.036 χ^2/NDF:76.0/58

All: 0.003+/-0.026 χ^2/NDF: 135.0/111

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

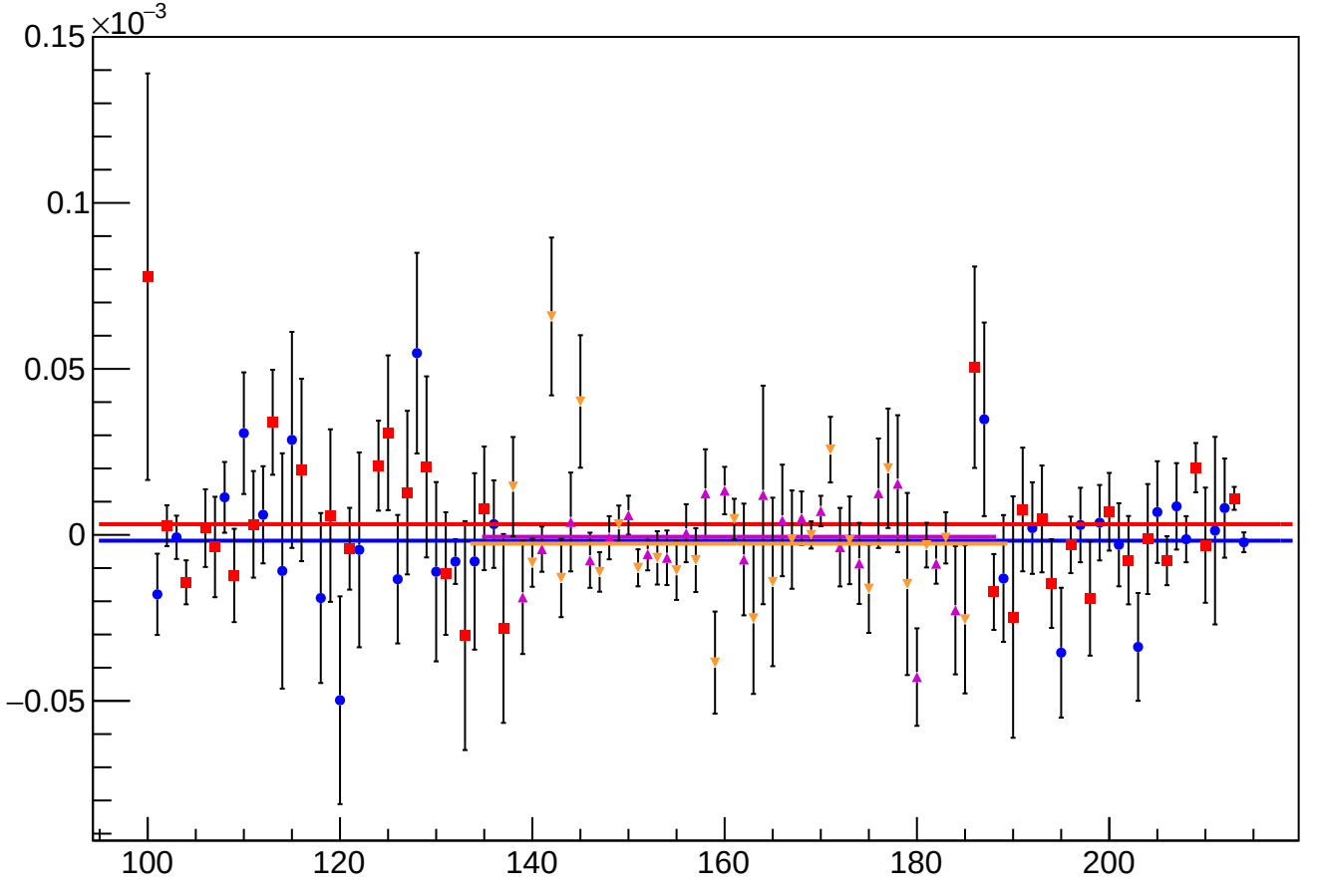
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 162.659+/-0.021 χ^2/NDF: 7689661.2/63

In: 202.547+/-0.026 χ^2/NDF:10220705.5/52

Out: 190.236+/-0.025 χ^2/NDF:15687392.3/58

All: 196.159+/-0.018 χ^2/NDF: 26021719.3/11



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

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

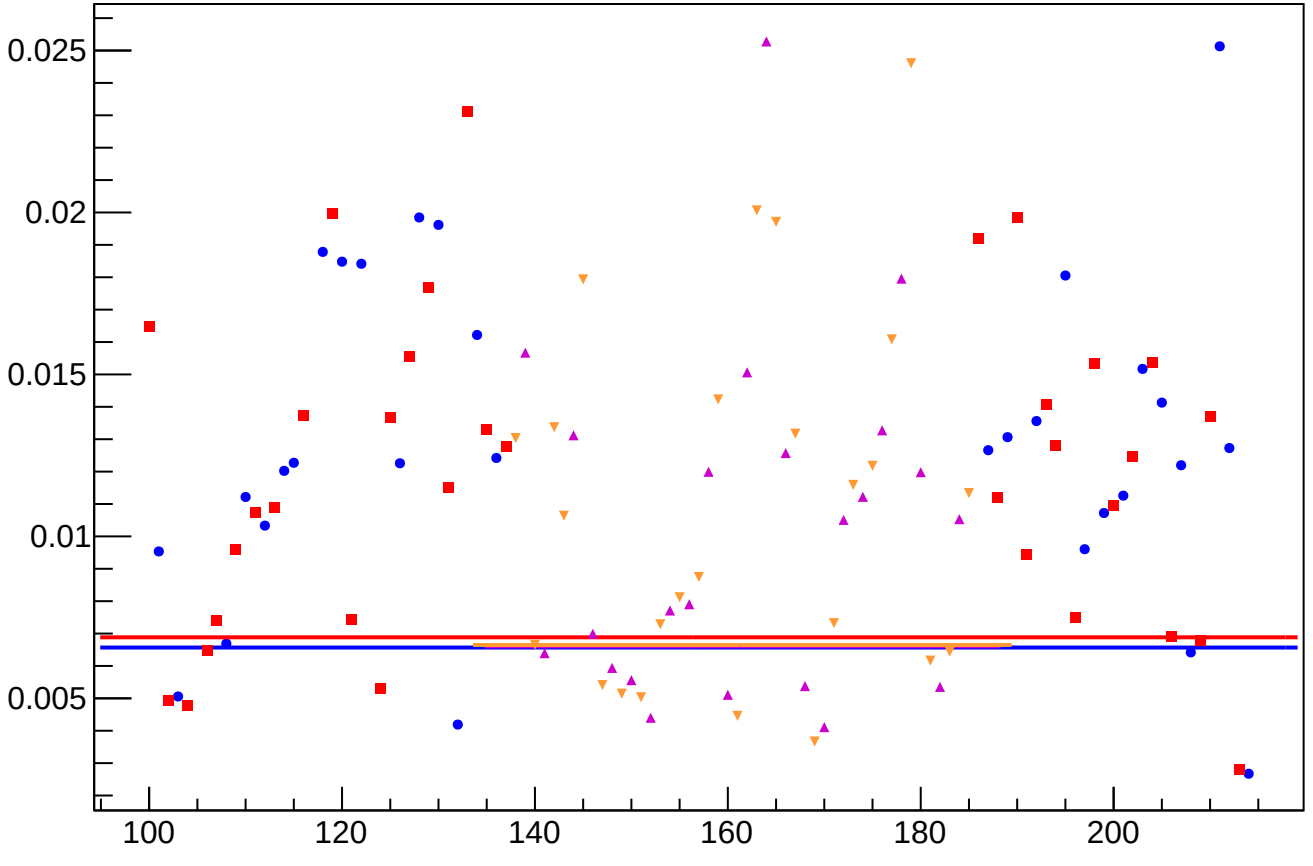
Right: 0.000+/-0.000 χ^2/NDF: 74.3/63

In: -0.000+/-0.000 χ^2/NDF:53.3/52

Out: 0.000+/-0.000 χ^2/NDF:92.4/58

All: -0.000+/-0.000 χ^2/NDF: 146.0/111

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

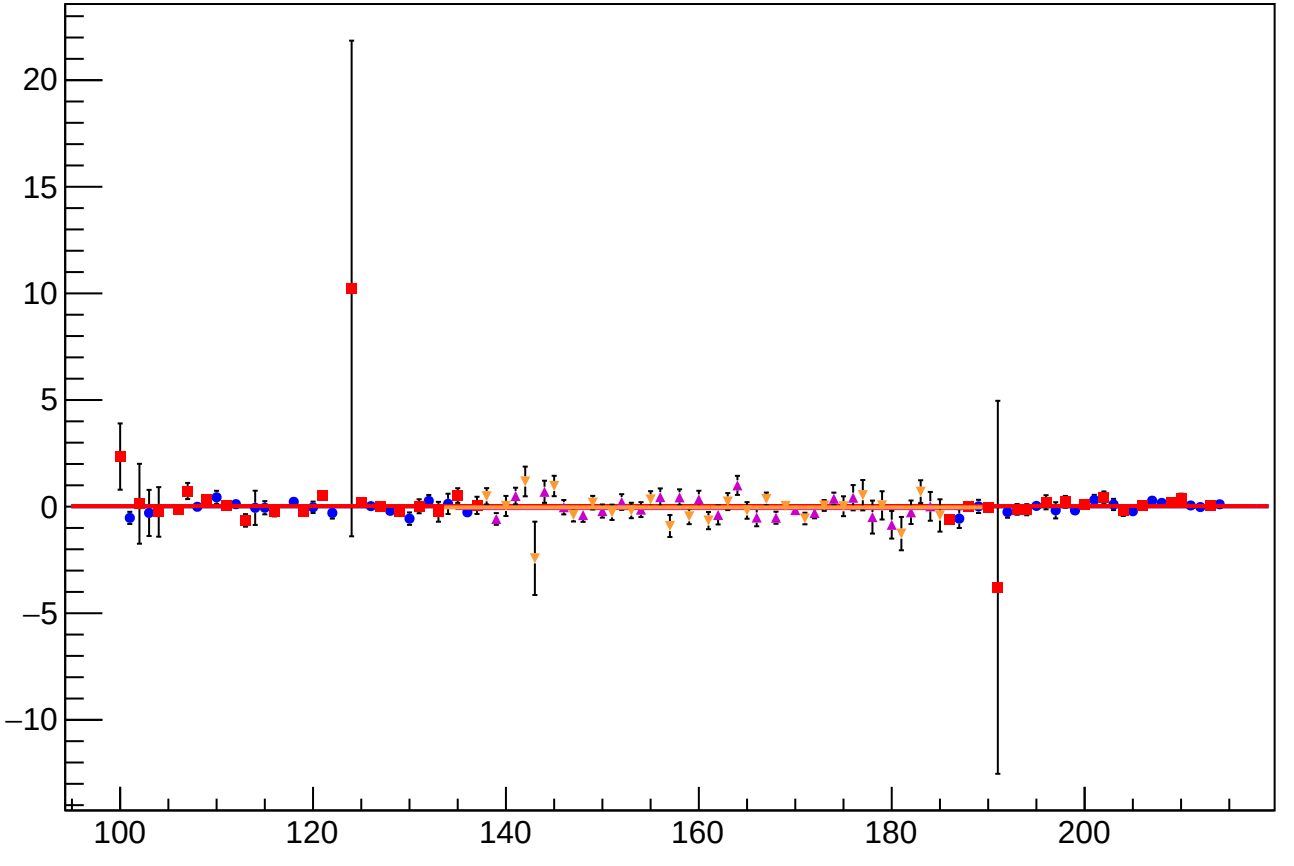
Right: 0.007+/-0.000 χ^2/NDF: 21322192.5/63

In: 0.007+/-0.000 χ^2/NDF:17706527.2/52

Out: 0.007+/-0.000 χ^2/NDF:16975225.1/58

All: 0.007+/-0.000 χ^2/NDF: 34698580.5/111

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

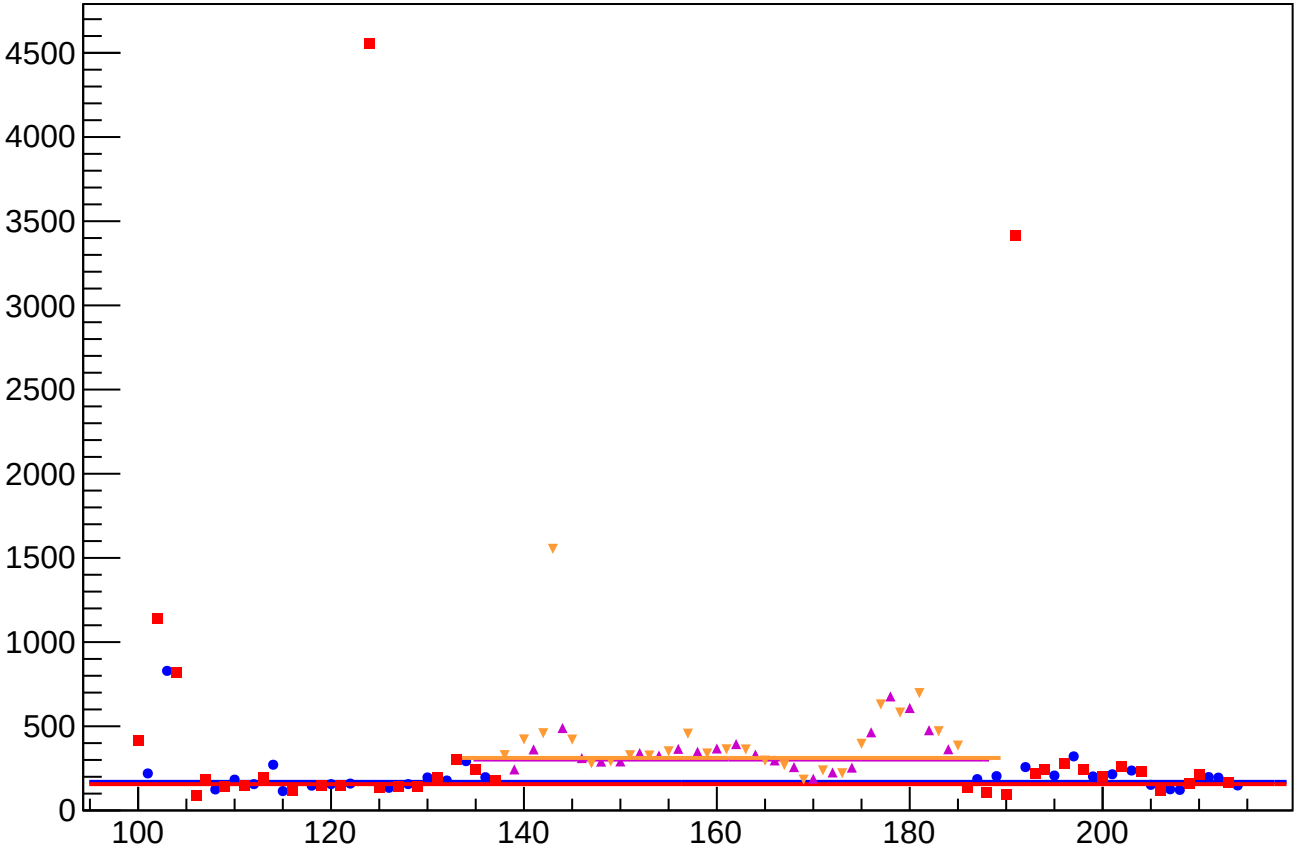
Right: 0.020+/-0.029 χ^2/NDF: 71.1/63

In: -0.009+/-0.037 χ^2/NDF:58.8/52

Out: 0.014+/-0.036 χ^2/NDF:76.0/58

All: 0.003+/-0.026 χ^2/NDF: 135.0/111

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

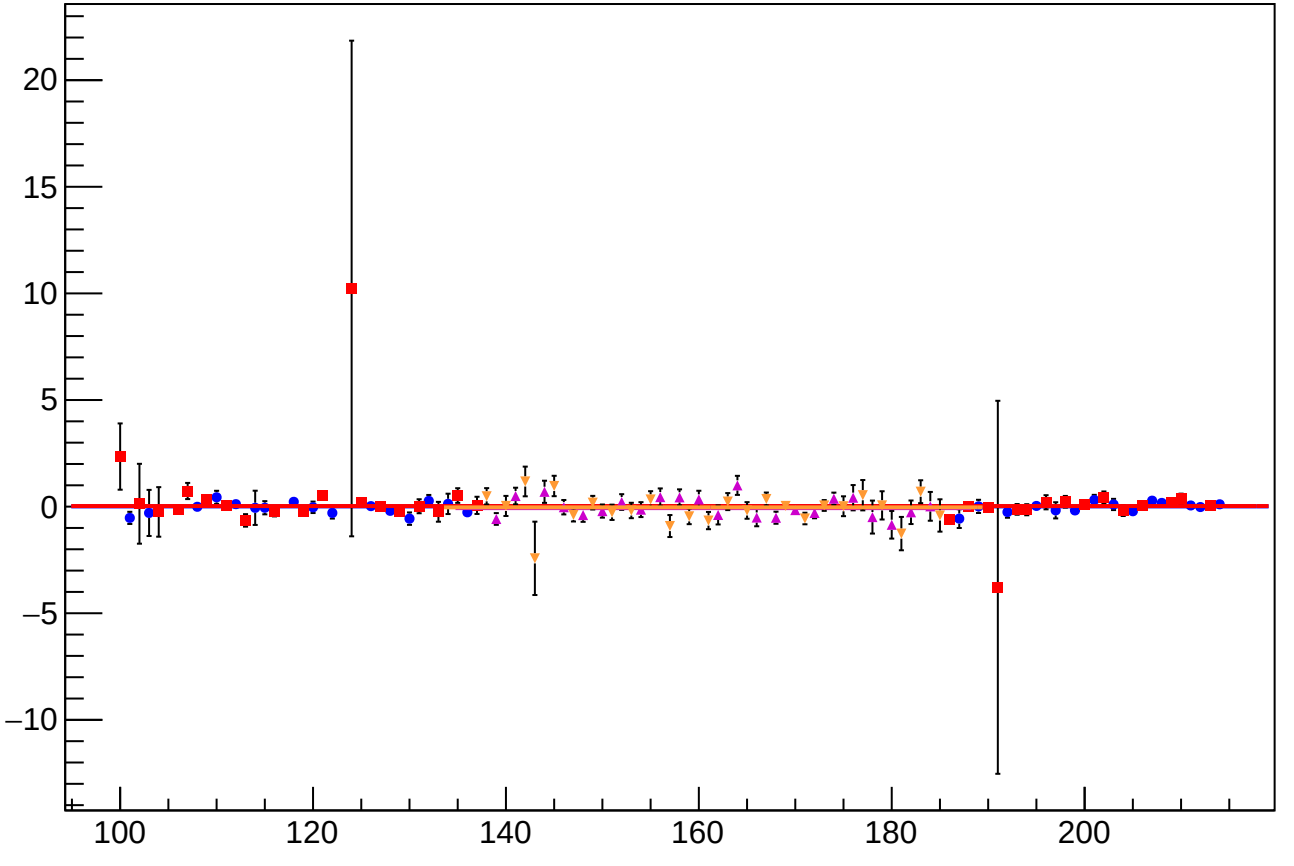
Right: 162.656+/-0.021 χ^2/NDF: 7689984.1/63

In: 202.546+/-0.026 χ^2/NDF:10221055.8/52

Out: 190.233+/-0.025 χ^2/NDF:15688093.4/58

All: 196.156+/-0.018 χ^2/NDF: 26022812.5/11

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

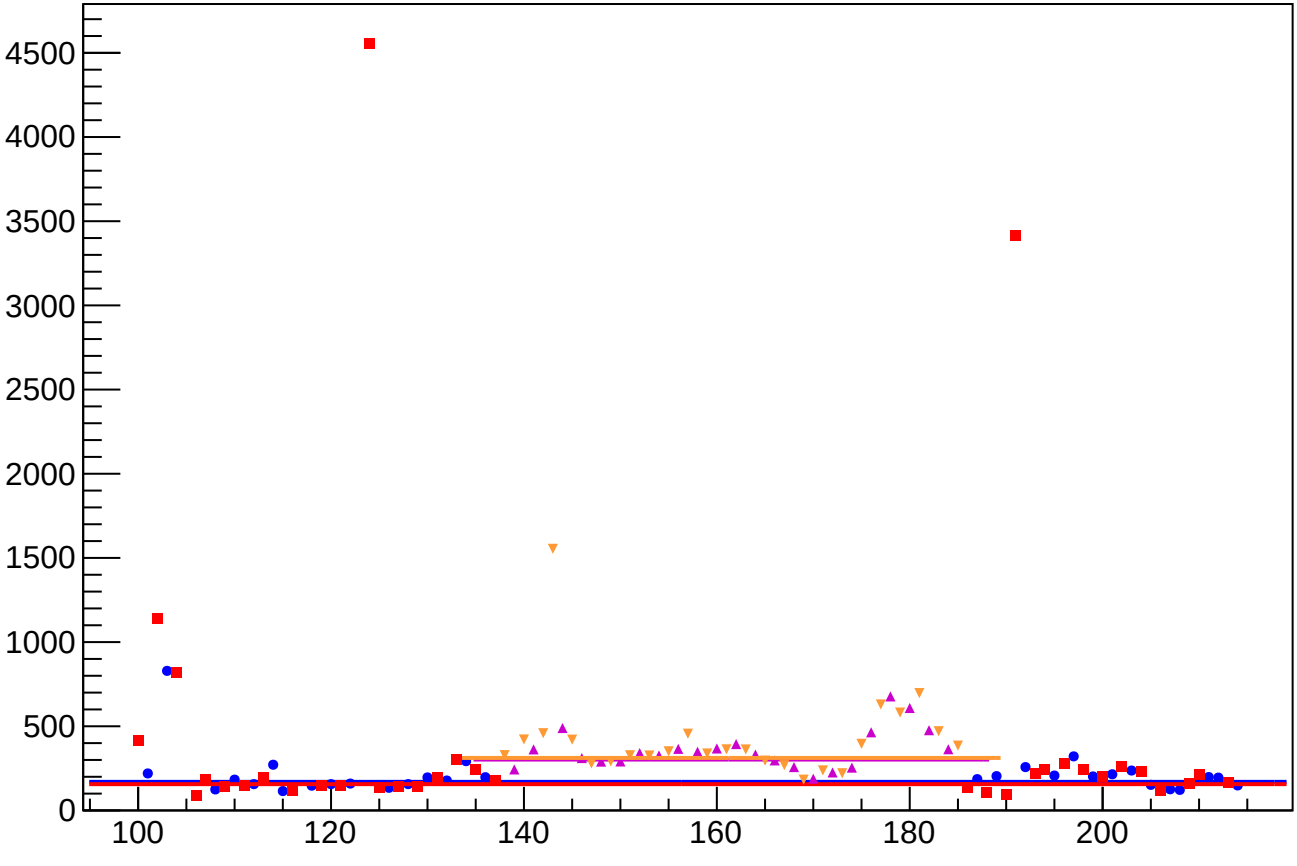
Right: 0.020+/-0.029 χ^2/NDF: 71.1/63

In: -0.009+/-0.037 χ^2/NDF:58.8/52

Out: 0.014+/-0.036 χ^2/NDF:76.0/58

All: 0.003+/-0.026 χ^2/NDF: 135.0/111

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

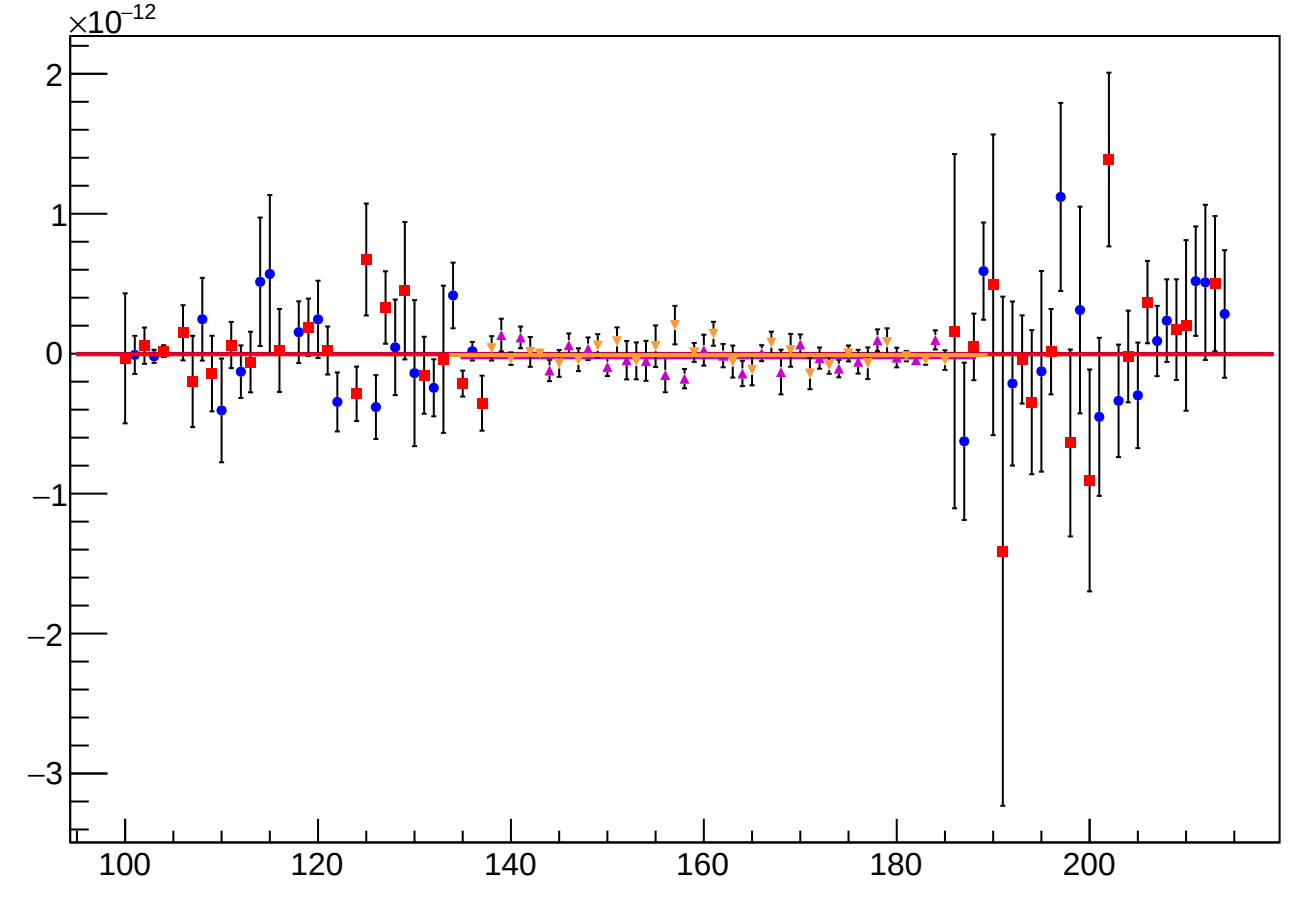
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 162.656+/-0.021 χ^2/NDF: 7689984.1/63

In: 202.546+/-0.026 χ^2/NDF:10221055.8/52

Out: 190.233+/-0.025 χ^2/NDF:15688093.4/58

All: 196.156+/-0.018 χ^2/NDF: 26022812.5/11



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

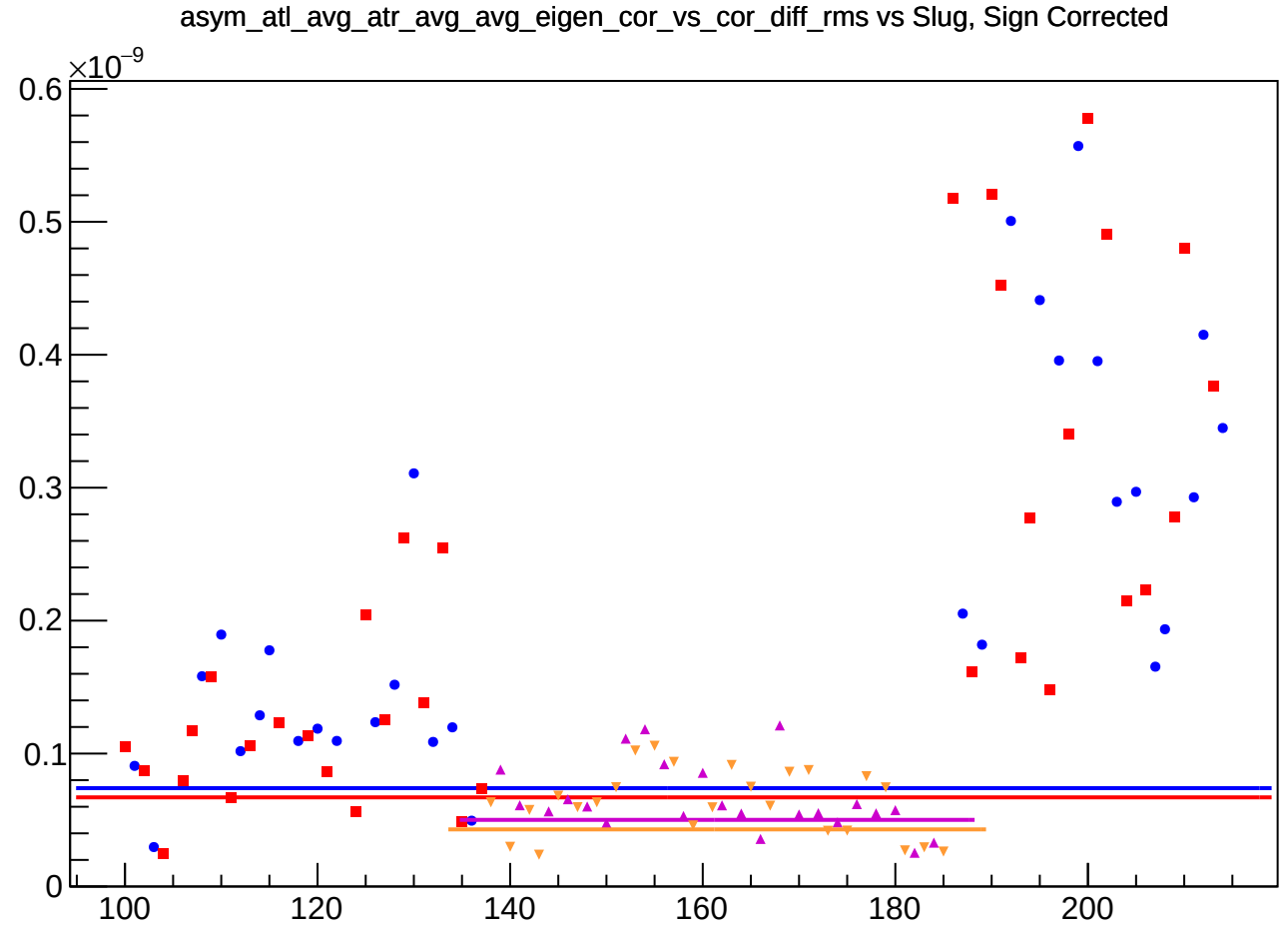
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 59.8/63

In: -0.000+/-0.000 χ^2/NDF:57.3/52

Out: -0.000+/-0.000 χ^2/NDF:46.8/58

All: -0.000+/-0.000 χ^2/NDF: 104.6/111



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

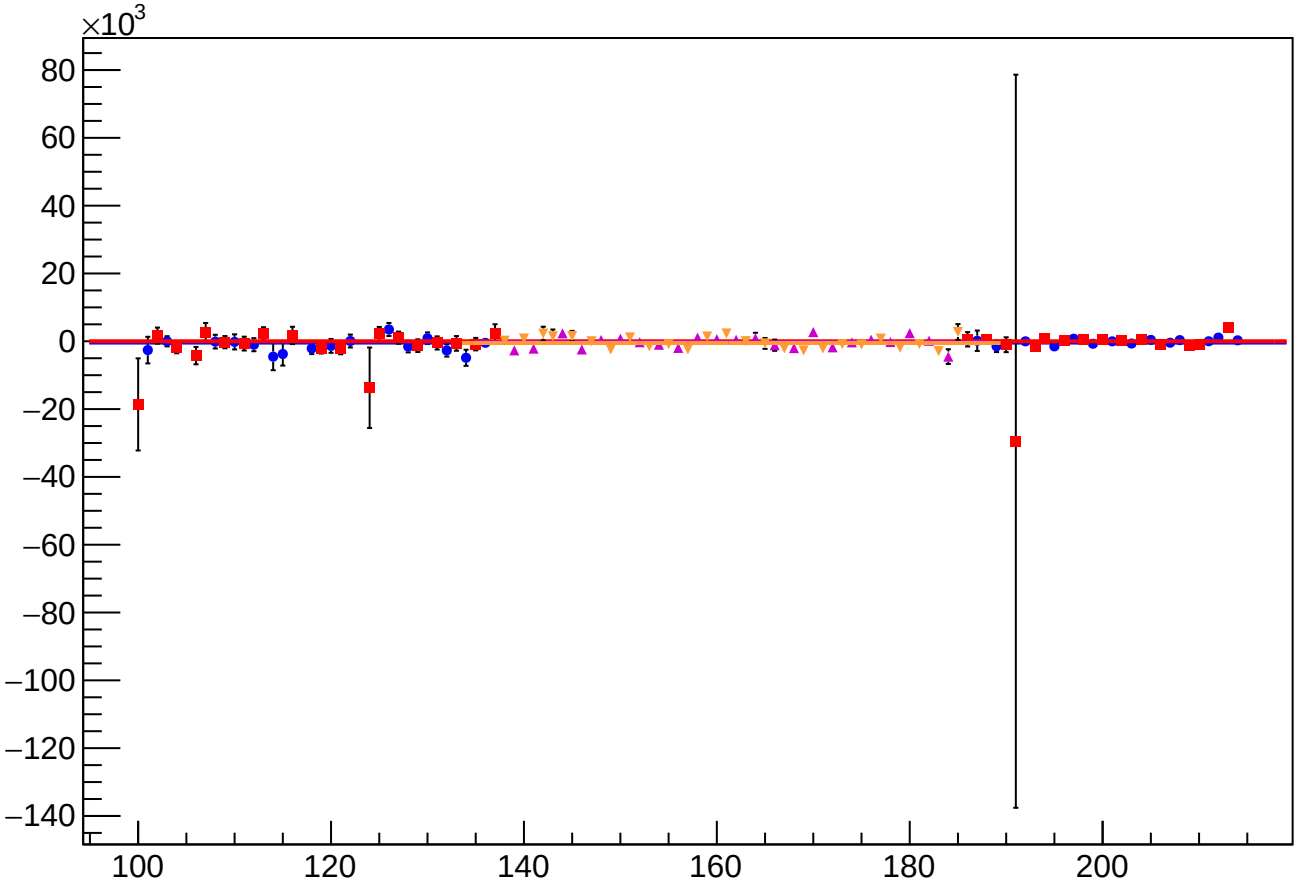
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 22289875.8/63

In: 0.000+/-0.000 χ^2/NDF:15836398.6/52

Out: 0.000+/-0.000 χ^2/NDF:17074665.0/58

All: 0.000+/-0.000 χ^2/NDF: 33260175.3/111



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

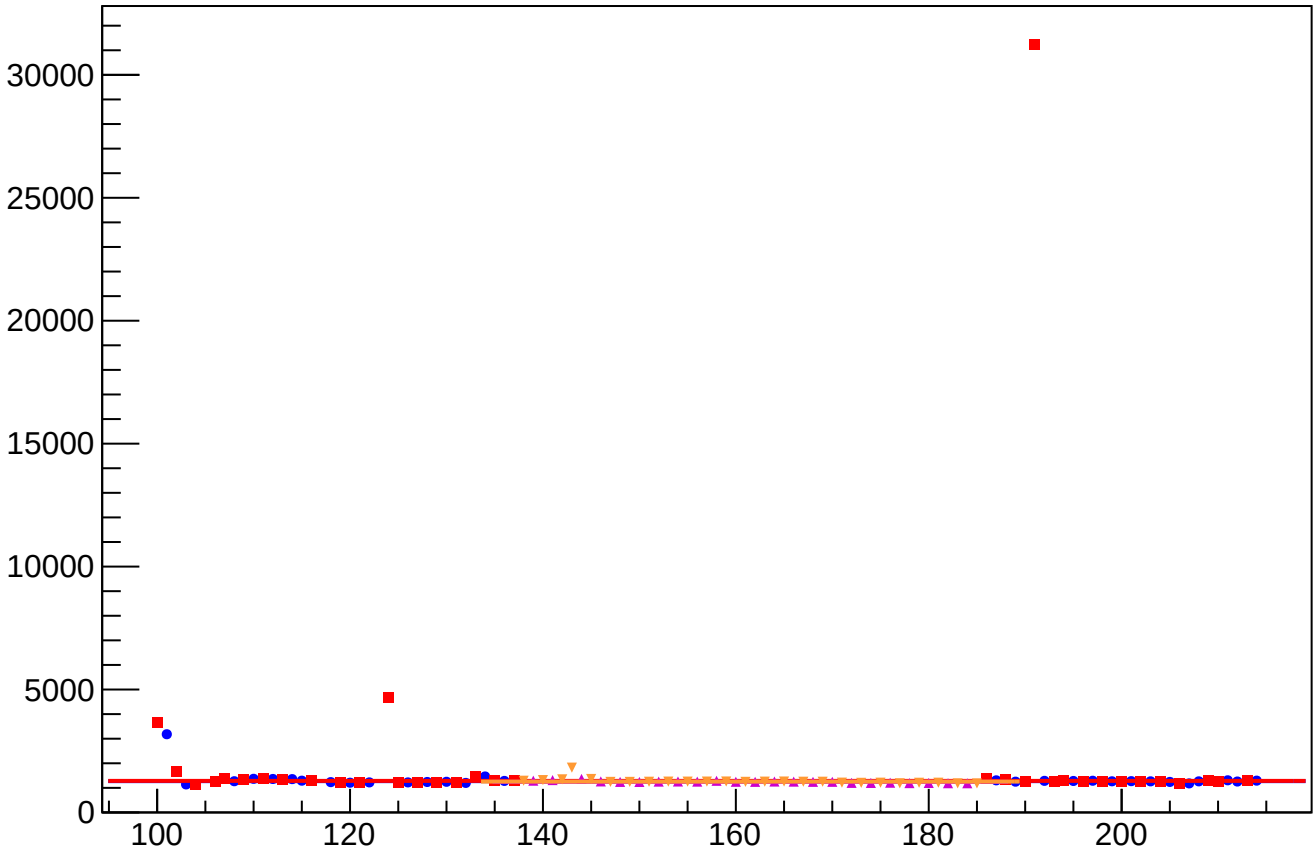
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -185.162+/-211.785 χ^2/NDF: 48.8/63

In: -307.136+/-208.855 χ^2/NDF:50.3/52

Out: -266.799+/-206.742 χ^2/NDF:62.3/58

All: -286.762+/-146.930 χ^2/NDF: 112.6/111



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

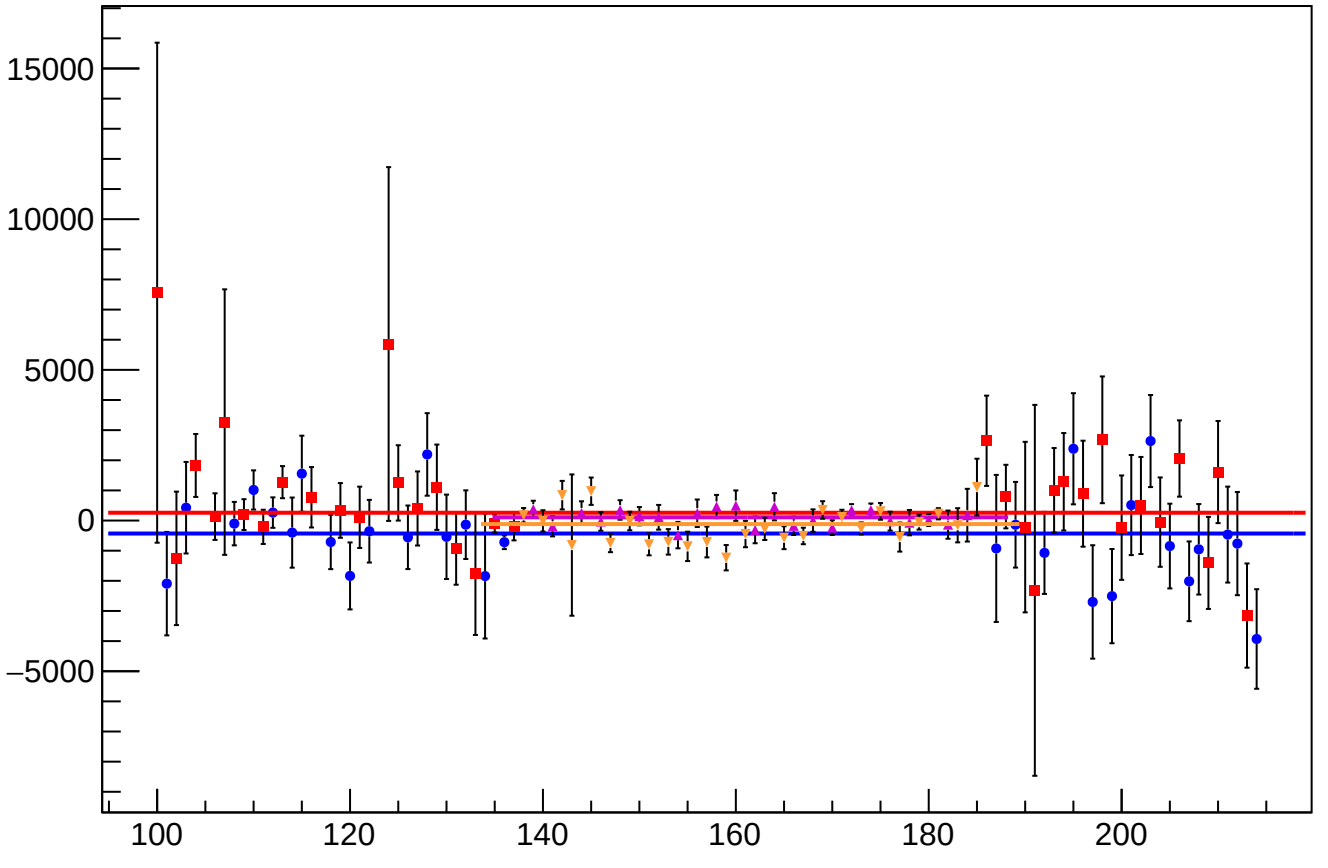
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.669+/-0.150 χ^2/NDF: 1043015.6/63

In: 1259.521+/-0.148 χ^2/NDF:582438.8/52

Out: 1269.035+/-0.146 χ^2/NDF:720154.2/58

All: 1264.327+/-0.104 χ^2/NDF: 1304689.2/11



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

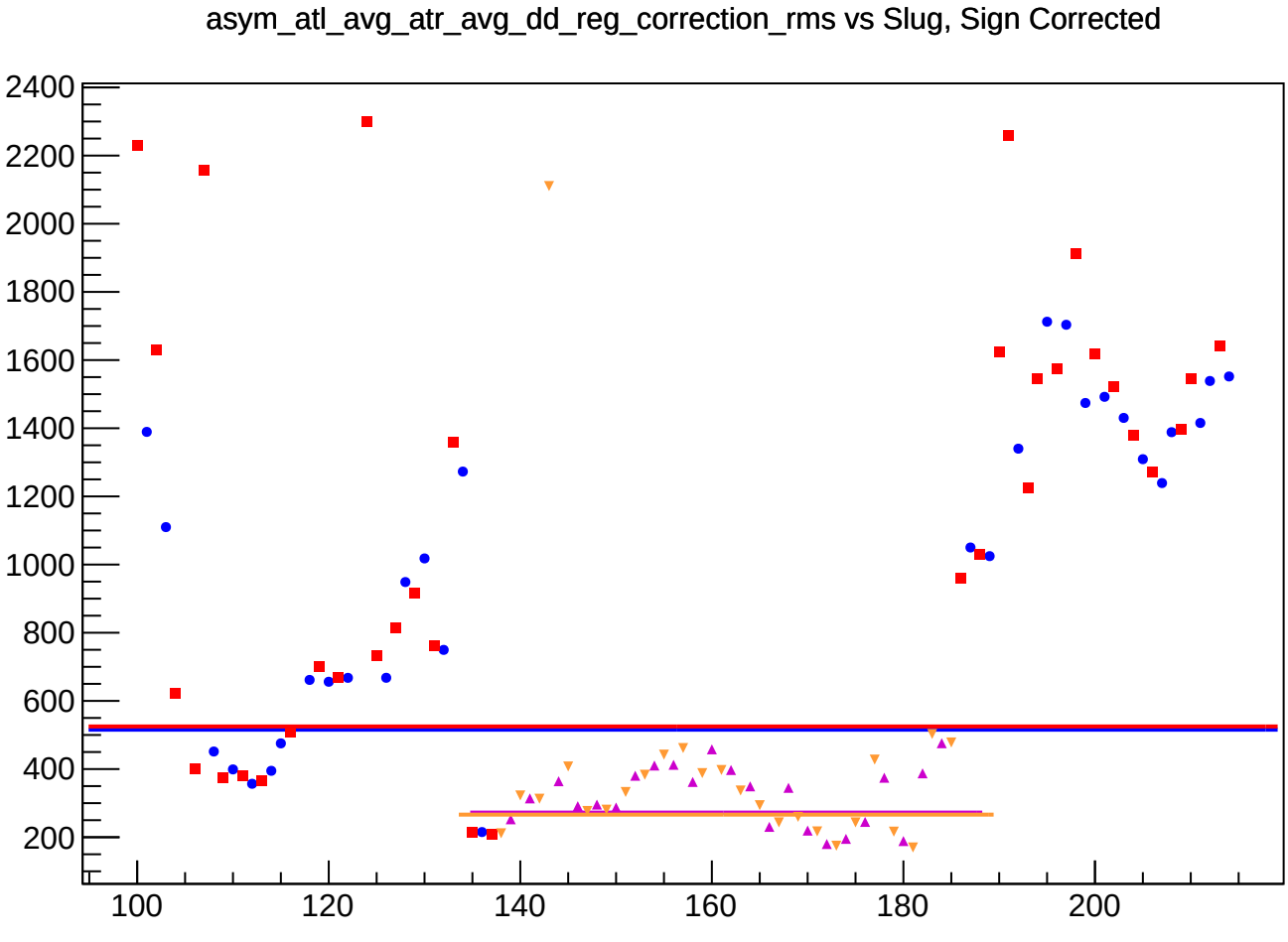
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

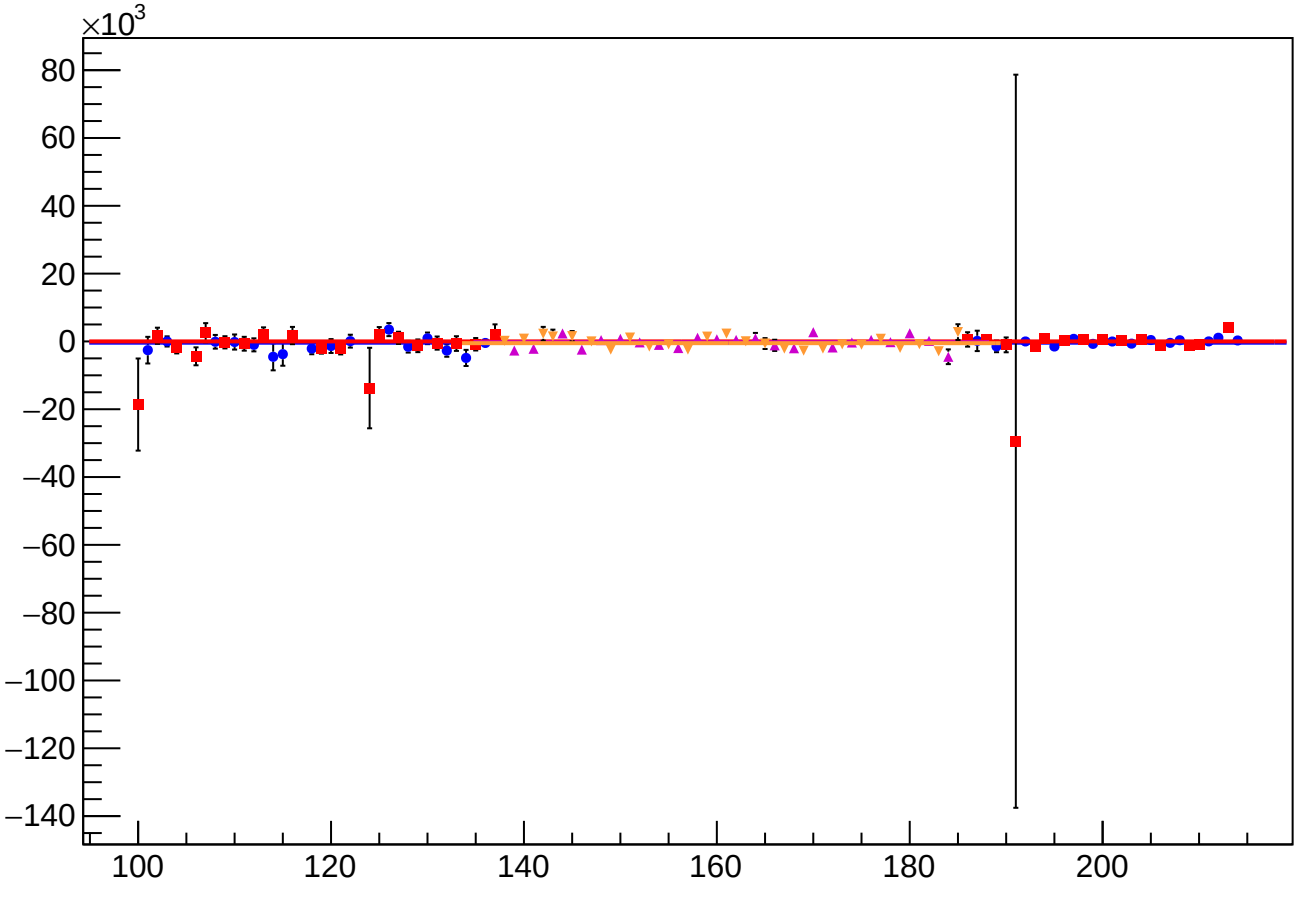
Right: -86.677+/-110.723 χ^2/NDF: 72.2/63

In: 23.849+/-61.580 χ^2/NDF:58.4/52

Out: -61.748+/-60.097 χ^2/NDF:81.2/58

All: -19.992+/-43.010 χ^2/NDF: 140.6/111


asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected
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
Left: 269.255+/-0.033 χ²/NDF: 7526339.3/47
Right: 520.226+/-0.078 χ²/NDF: 29043191.6/63
In: 310.118+/-0.044 χ²/NDF:21464716.6/52
Out: 304.272+/-0.042 χ²/NDF:23820539.9/58
All: 307.124+/-0.030 χ²/NDF: 45294489.4/1



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

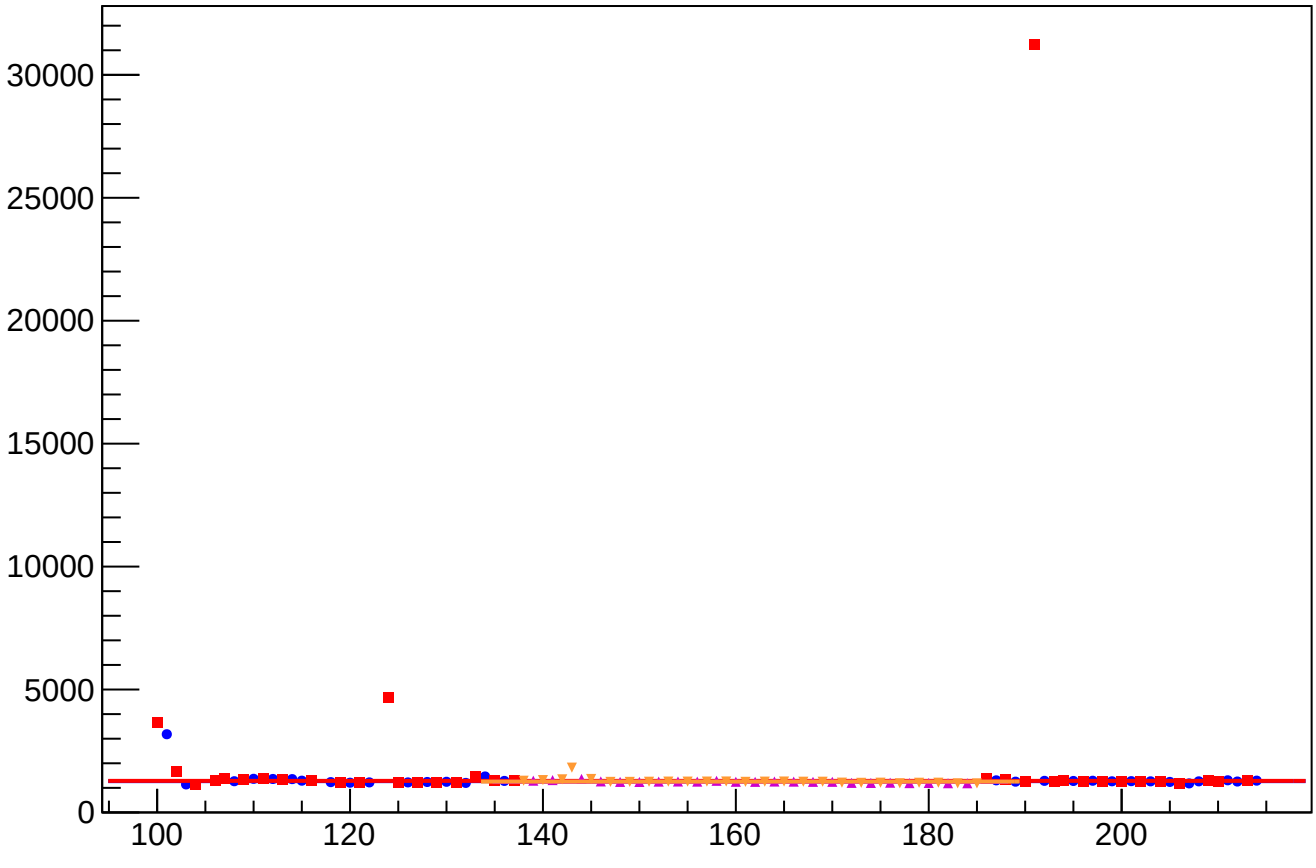
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -184.531+/-211.828 χ^2/NDF: 48.8/63

In: -307.055+/-208.855 χ^2/NDF:50.3/52

Out: -266.268+/-206.782 χ^2/NDF:62.3/58

All: -286.458+/-146.945 χ^2/NDF: 112.7/111



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

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

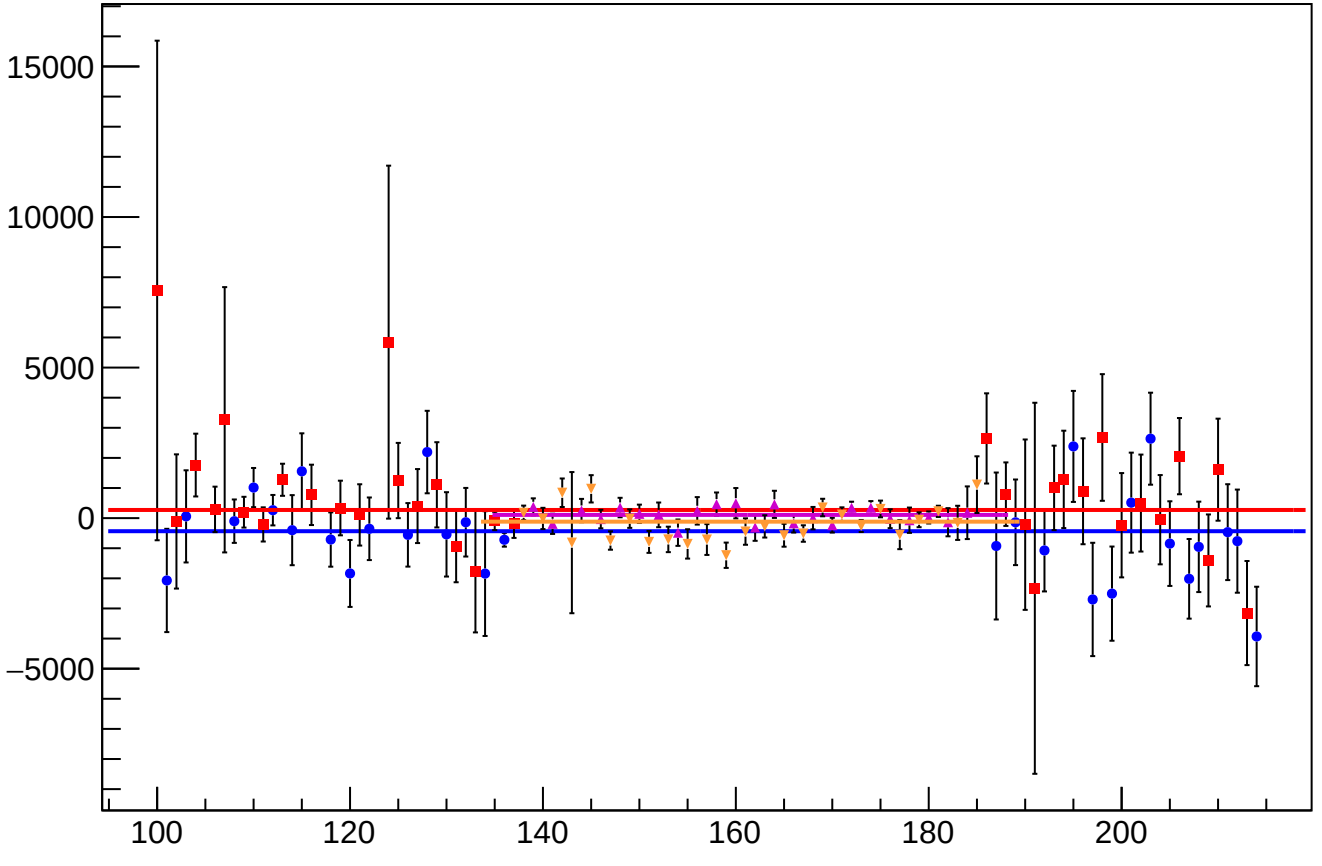
Right: 1278.938+/-0.150 χ^2/NDF: 1043121.8/63

In: 1259.521+/-0.148 χ^2/NDF:582440.1/52

Out: 1269.287+/-0.146 χ^2/NDF:720487.9/58

All: 1264.453+/-0.104 χ^2/NDF: 1305136.3/11

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



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

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

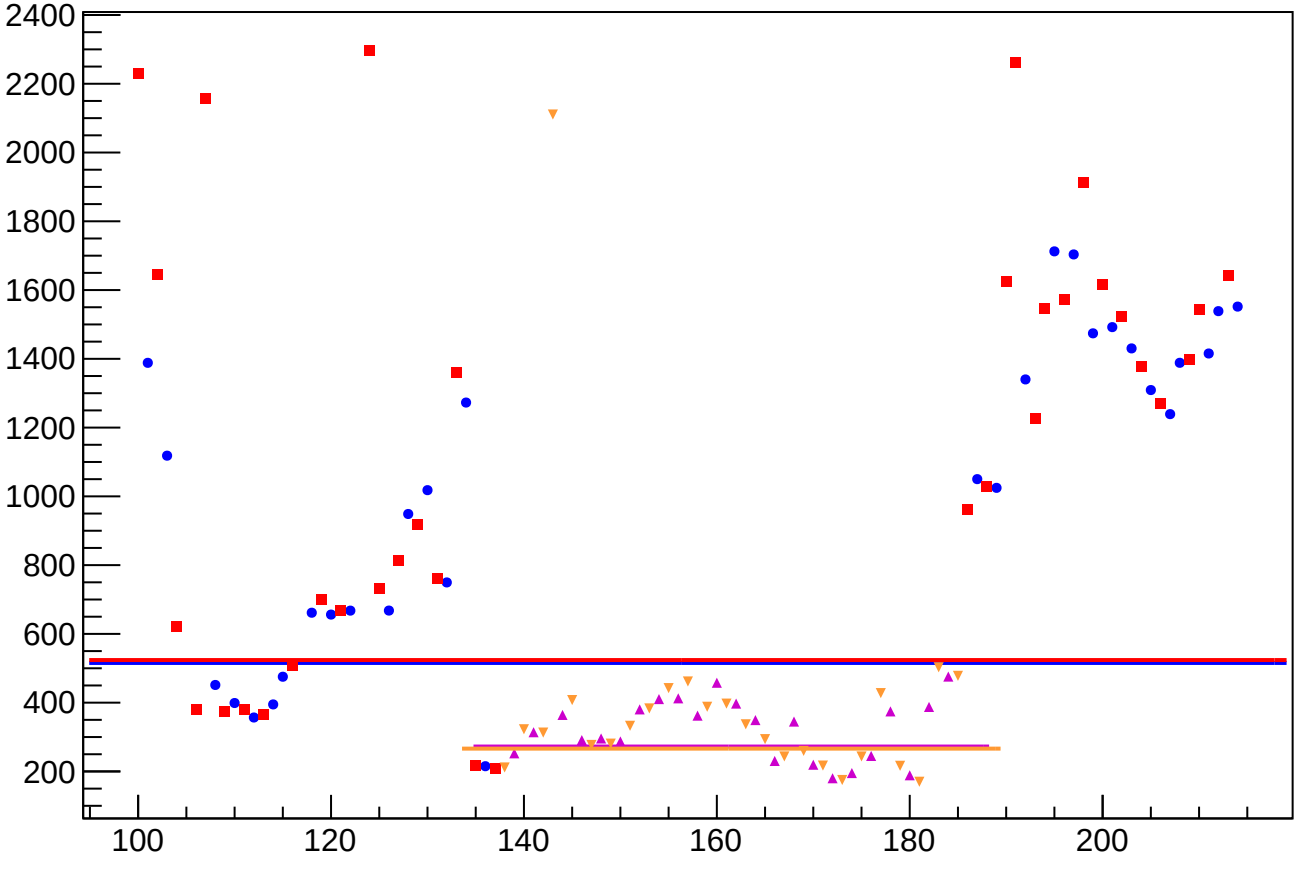
Right: -82.668+/-110.674 χ^2/NDF: 71.8/63

In: 23.360+/-61.582 χ^2/NDF:58.3/52

Out: -59.989+/-60.090 χ^2/NDF:80.9/58

All: -19.337+/-43.008 χ^2/NDF: 140.1/111

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



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

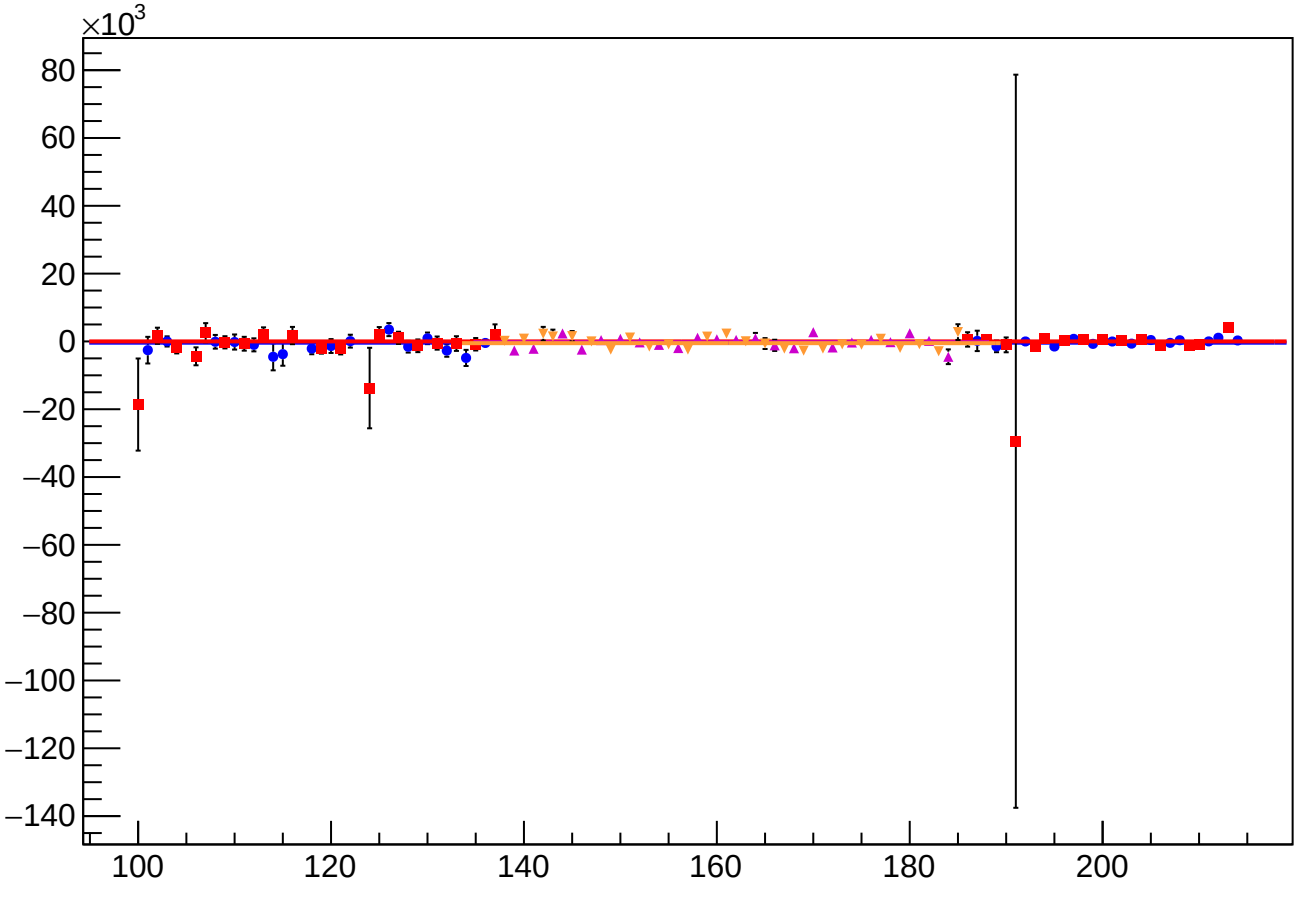
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 519.700+/-0.078 χ^2/NDF: 29072820.7/63

In: 310.125+/-0.044 χ^2/NDF:21467121.3/52

Out: 304.183+/-0.042 χ^2/NDF:23816701.5/58

All: 307.081+/-0.030 χ^2/NDF: 45293360.9/1



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

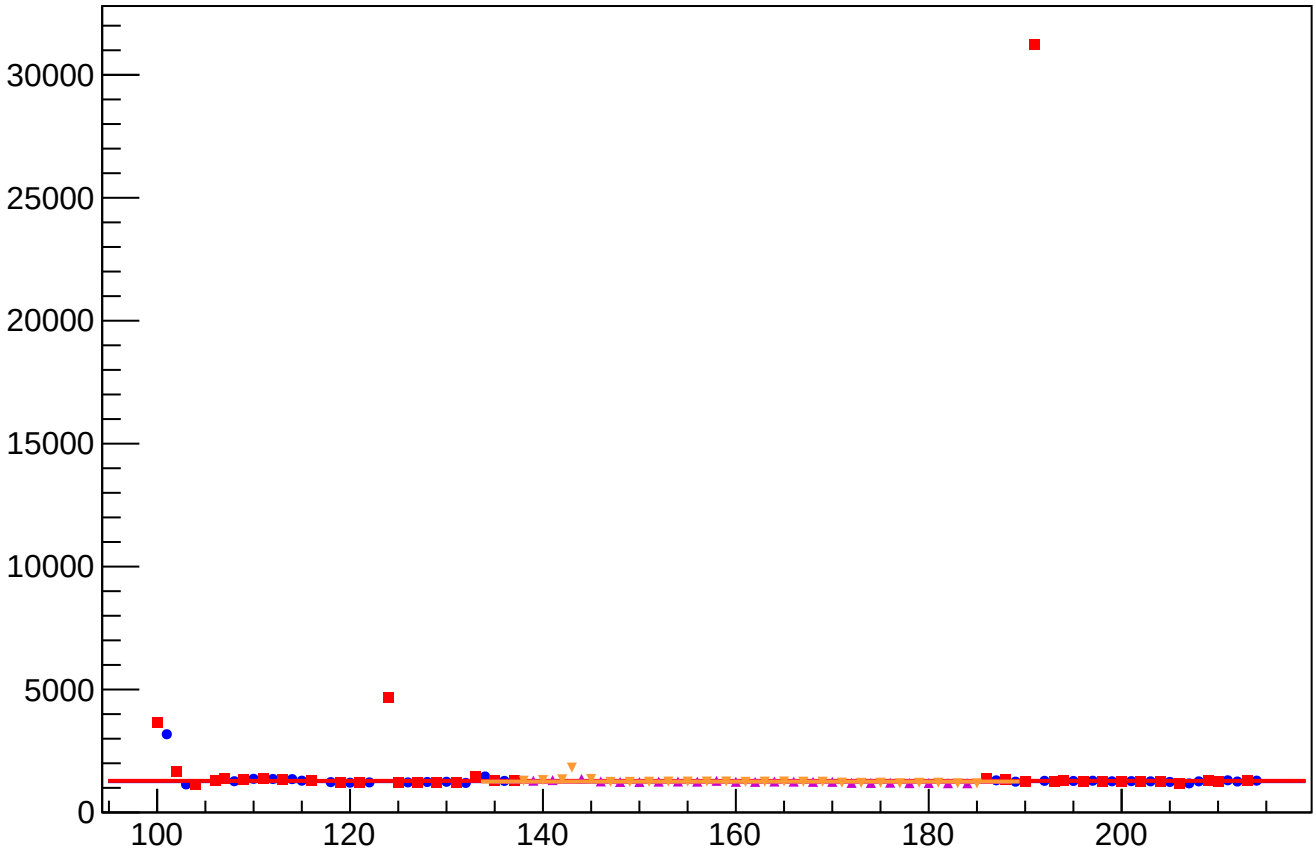
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -184.531+/-211.828 χ^2/NDF: 48.8/63

In: -307.055+/-208.855 χ^2/NDF:50.3/52

Out: -266.268+/-206.782 χ^2/NDF:62.3/58

All: -286.458+/-146.945 χ^2/NDF: 112.7/111



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

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

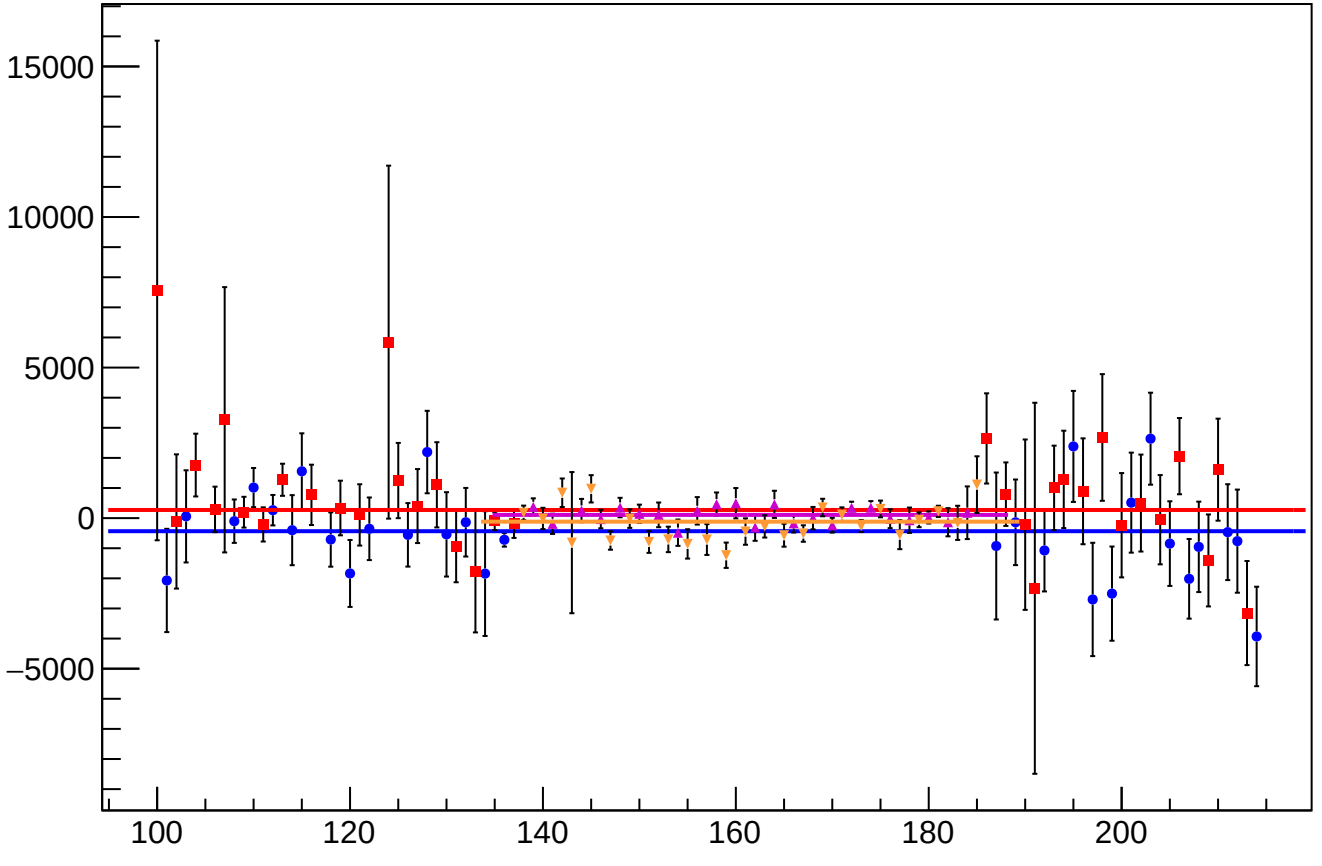
Right: 1278.938+/-0.150 χ^2/NDF: 1043121.8/63

In: 1259.521+/-0.148 χ^2/NDF:582440.1/52

Out: 1269.287+/-0.146 χ^2/NDF:720487.9/58

All: 1264.453+/-0.104 χ^2/NDF: 1305136.3/11

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

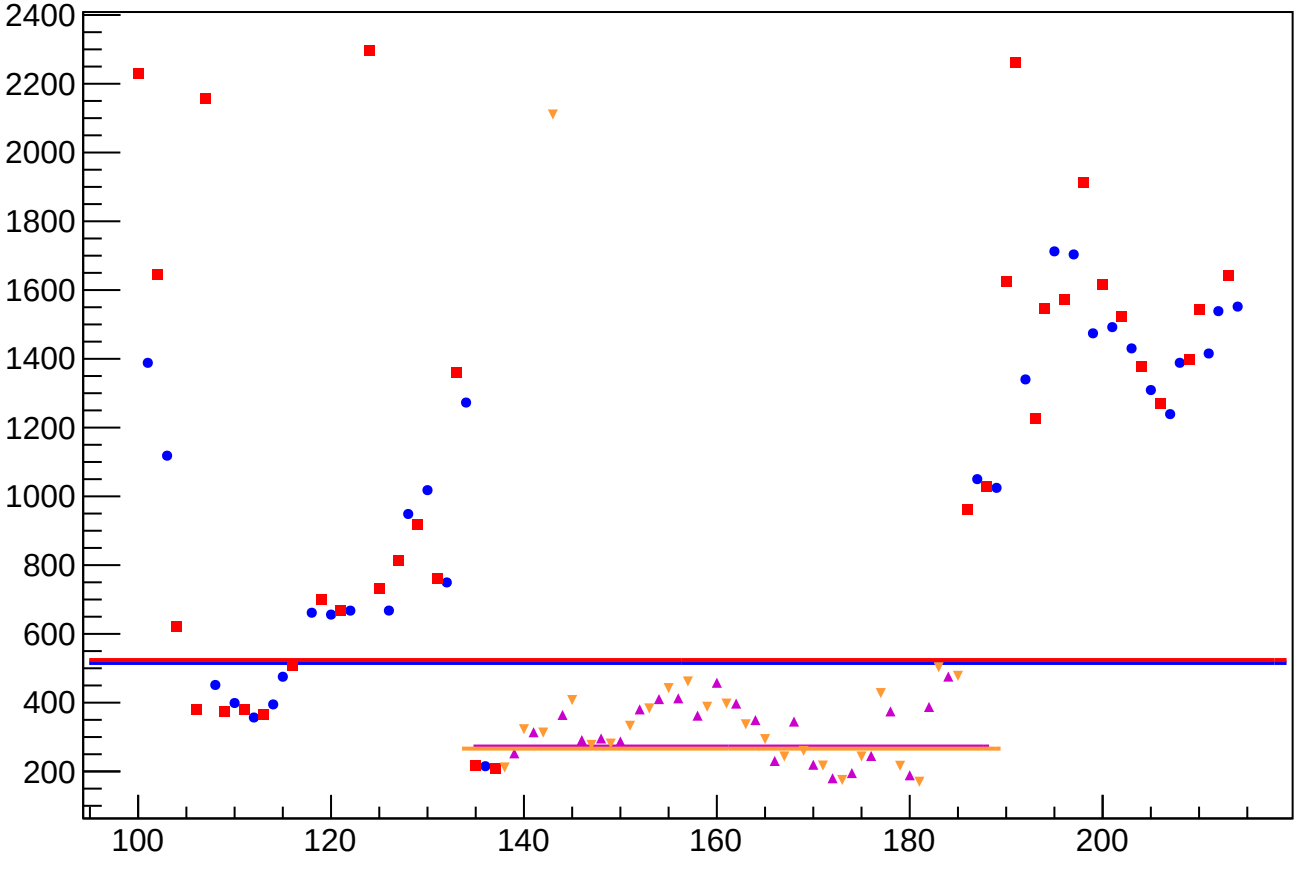
Right: -82.668+/-110.674 χ^2/NDF: 71.8/63

In: 23.360+/-61.582 χ^2/NDF:58.3/52

Out: -59.989+/-60.090 χ^2/NDF:80.9/58

All: -19.337+/-43.008 χ^2/NDF: 140.1/111

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

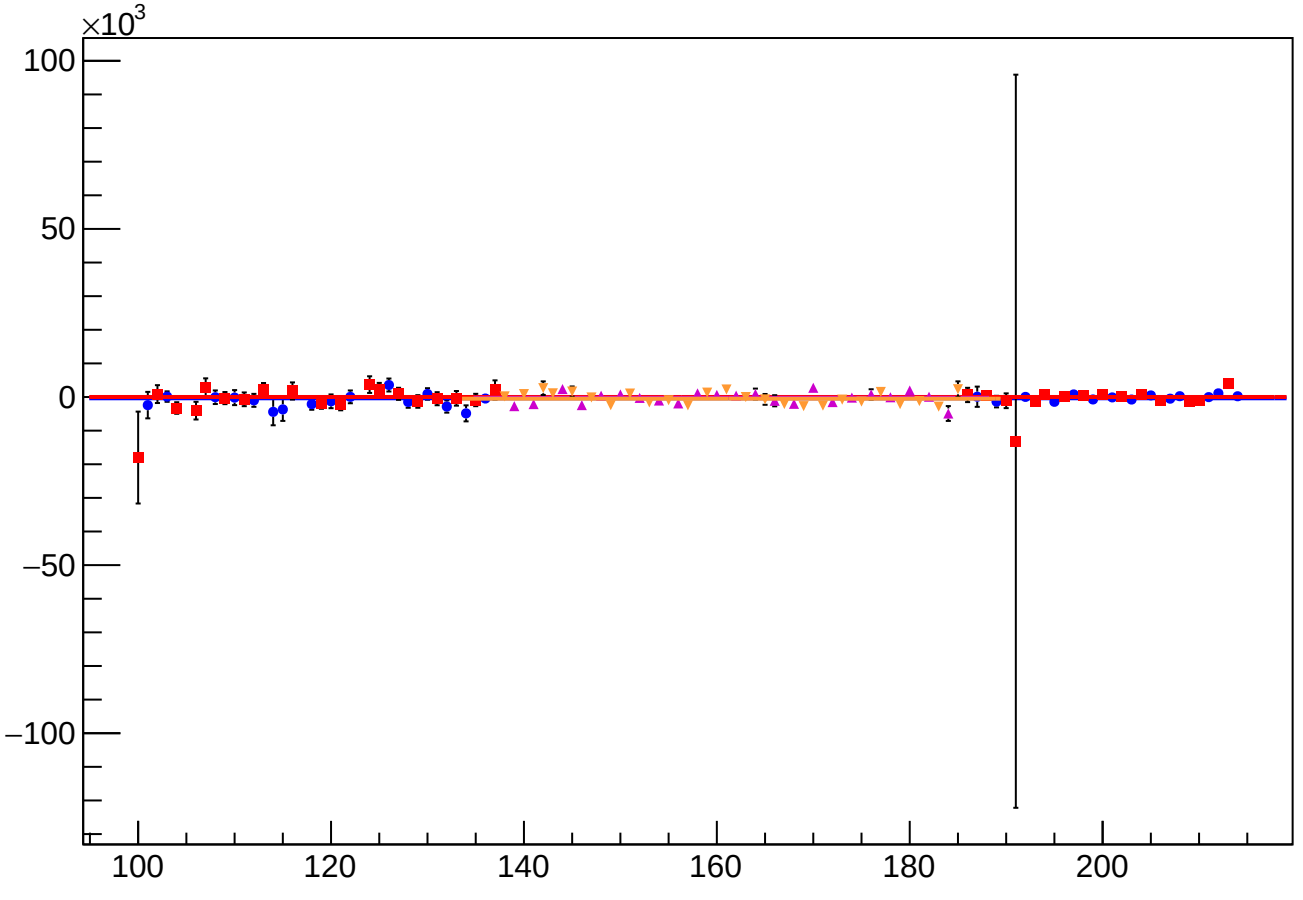
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 519.700+/-0.078 χ^2/NDF: 29072820.7/63

In: 310.125+/-0.044 χ^2/NDF:21467121.3/52

Out: 304.183+/-0.042 χ^2/NDF:23816701.5/58

All: 307.081+/-0.030 χ^2/NDF: 45293360.9/1



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

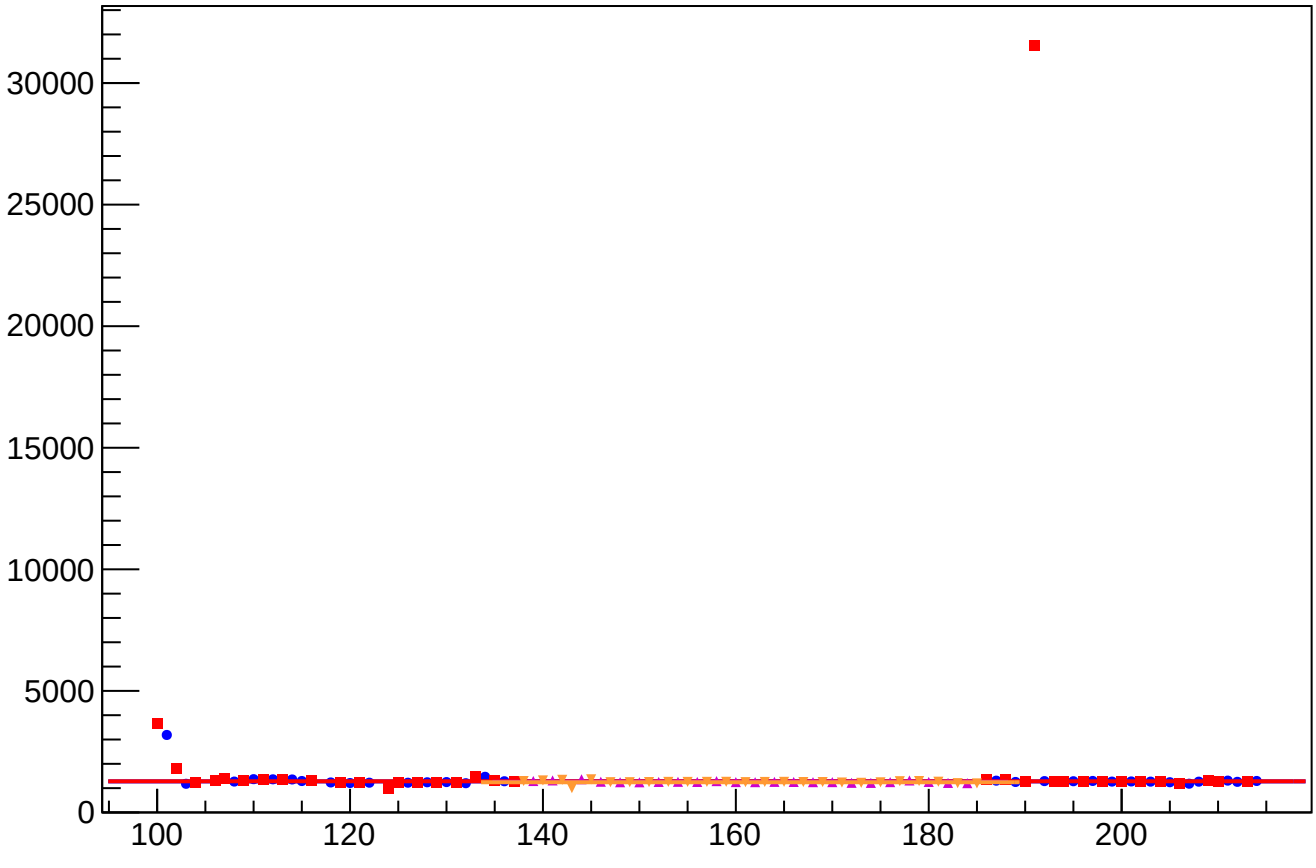
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -179.312+/-211.932 χ^2/NDF: 50.7/63

In: -306.145+/-210.302 χ^2/NDF:48.9/52

Out: -254.628+/-205.387 χ^2/NDF:67.5/58

All: -279.777+/-146.938 χ^2/NDF: 116.5/111



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

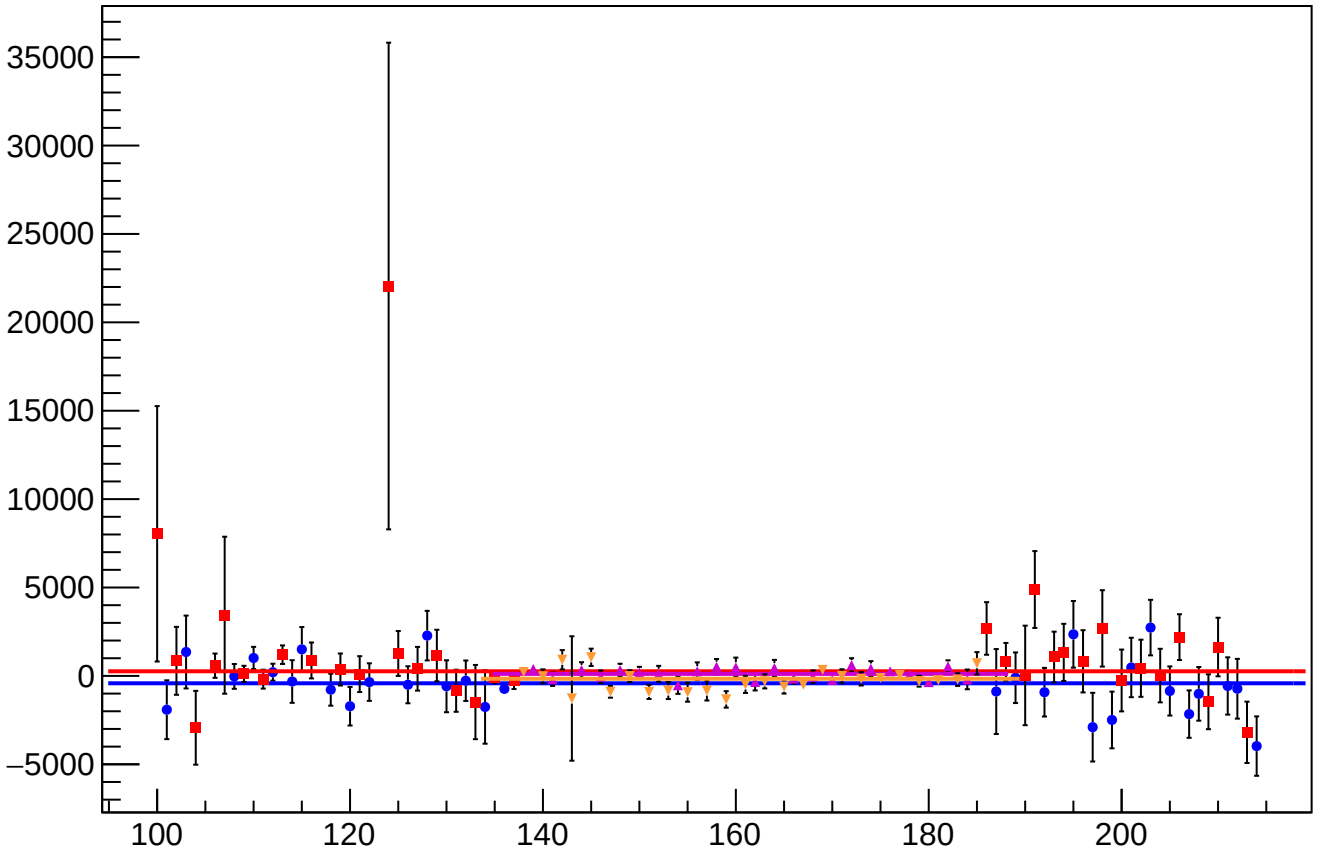
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1279.647+/-0.150 χ^2/NDF: 915090.2/63

In: 1268.409+/-0.149 χ^2/NDF:557929.1/52

Out: 1261.263+/-0.145 χ^2/NDF:536659.6/58

All: 1264.752+/-0.104 χ^2/NDF: 1095770.4/11



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

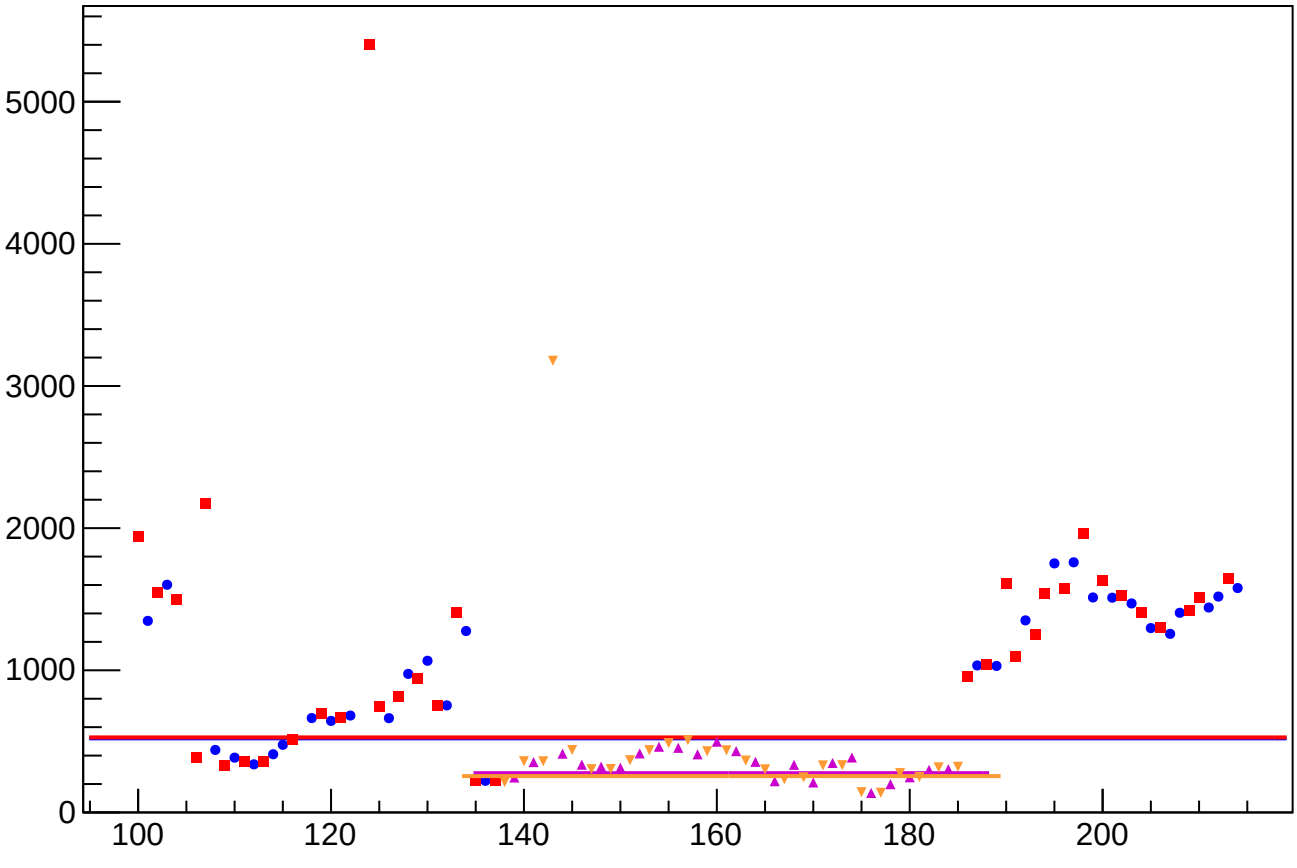
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -75.588+/-111.275 χ^2/NDF: 78.3/63

In: 28.877+/-63.106 χ^2/NDF:62.7/52

Out: -100.373+/-59.360 χ^2/NDF:84.0/58

All: -39.698+/-43.238 χ^2/NDF: 148.9/111



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

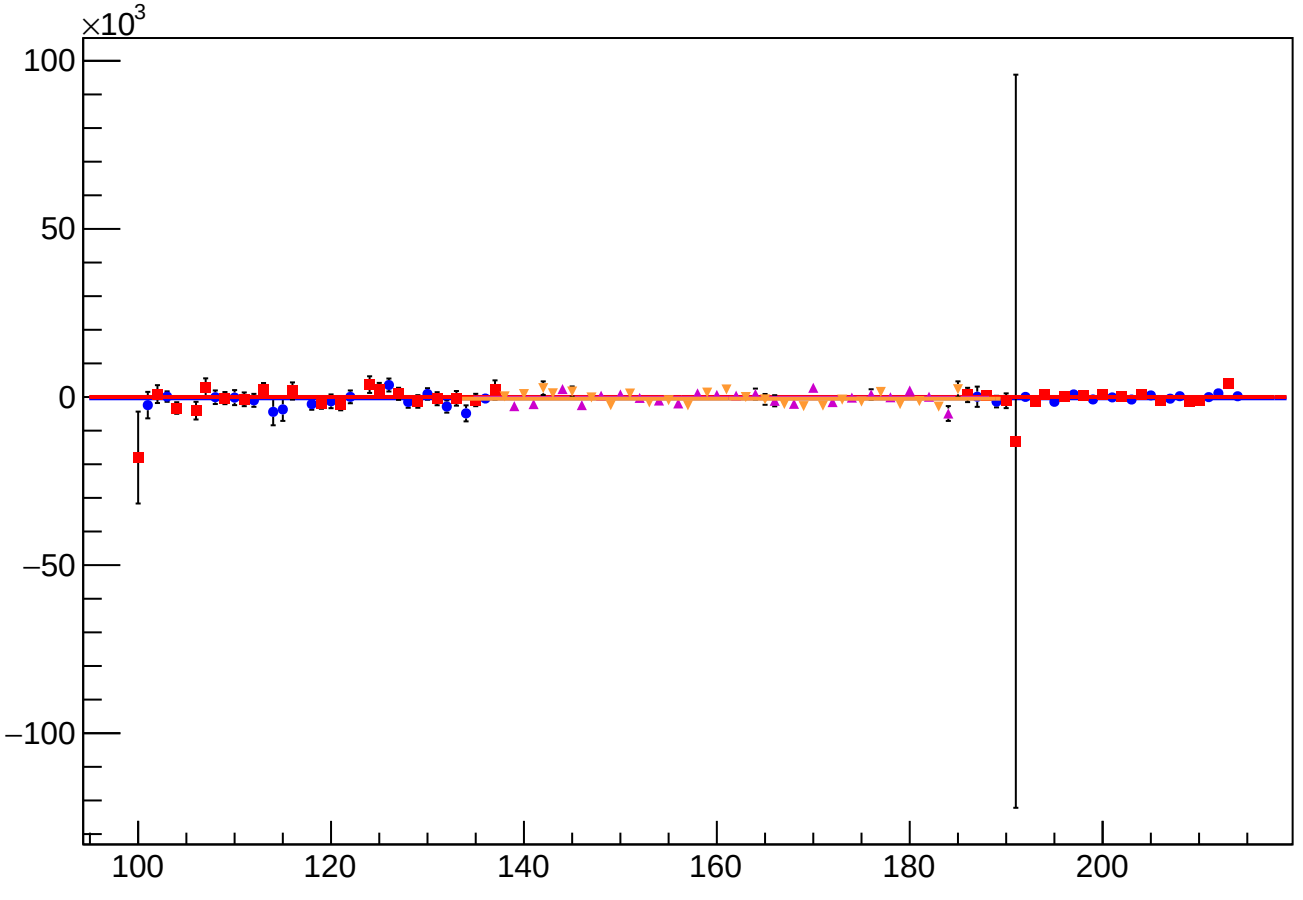
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 524.584+/-0.079 χ^2/NDF: 29723843.3/63

In: 315.392+/-0.045 χ^2/NDF:22700390.9/52

Out: 294.776+/-0.042 χ^2/NDF:26625735.2/58

All: 304.454+/-0.031 χ^2/NDF: 49439367.2/11



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

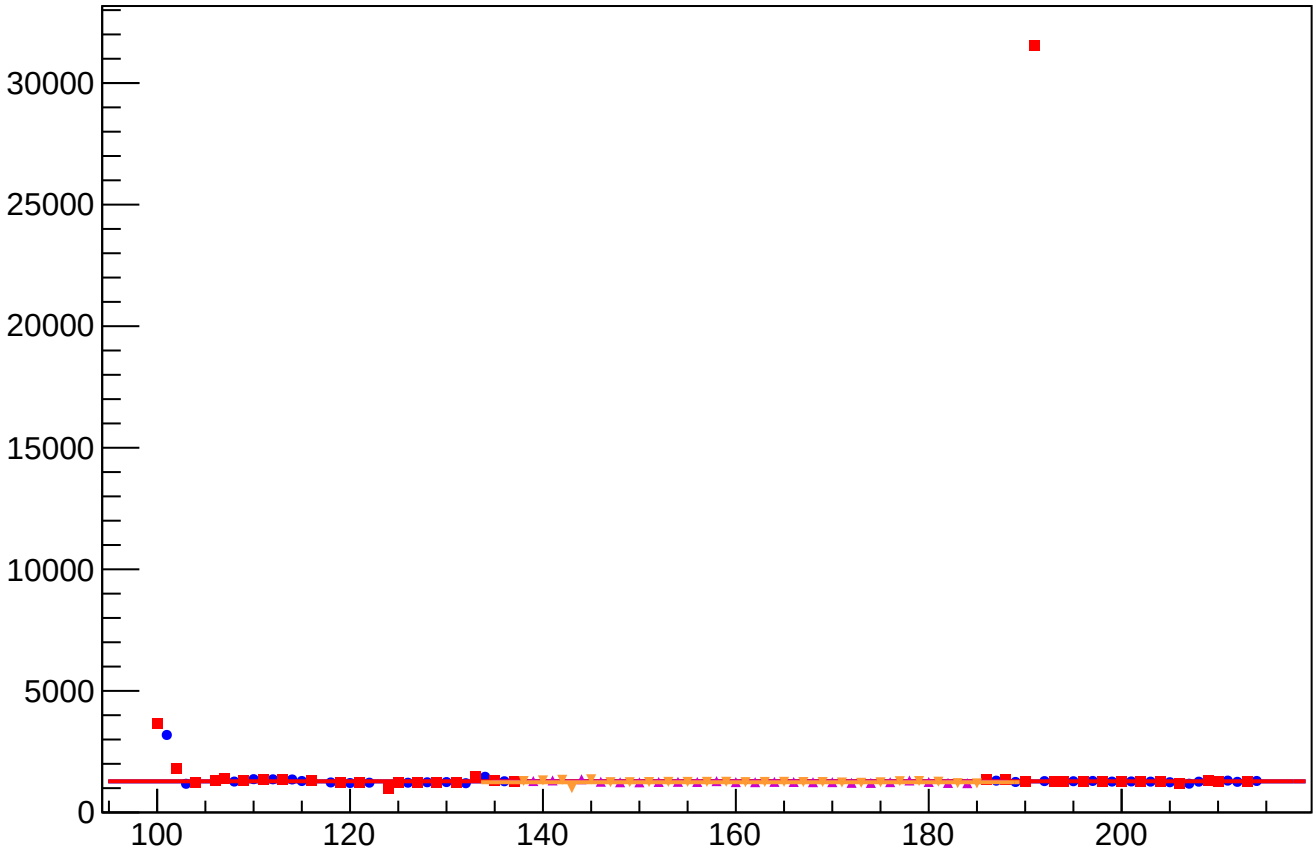
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -179.311+/-211.932 χ^2/NDF: 50.7/63

In: -306.144+/-210.302 χ^2/NDF:48.9/52

Out: -254.628+/-205.387 χ^2/NDF:67.5/58

All: -279.777+/-146.938 χ^2/NDF: 116.5/111



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

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

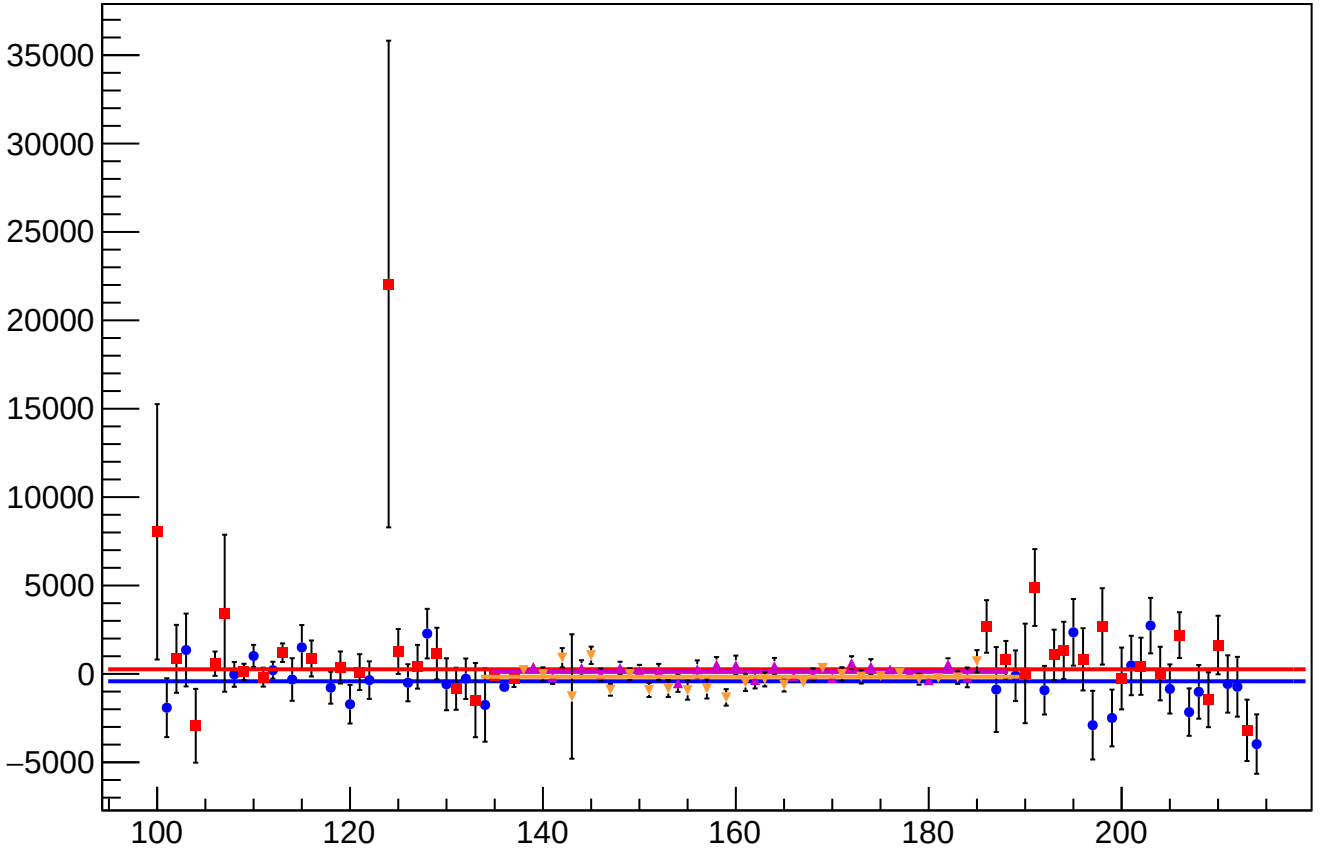
Right: 1279.647+/-0.150 χ^2/NDF: 915090.5/63

In: 1268.409+/-0.149 χ^2/NDF:557929.1/52

Out: 1261.263+/-0.145 χ^2/NDF:536659.0/58

All: 1264.752+/-0.104 χ^2/NDF: 1095769.9/11

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

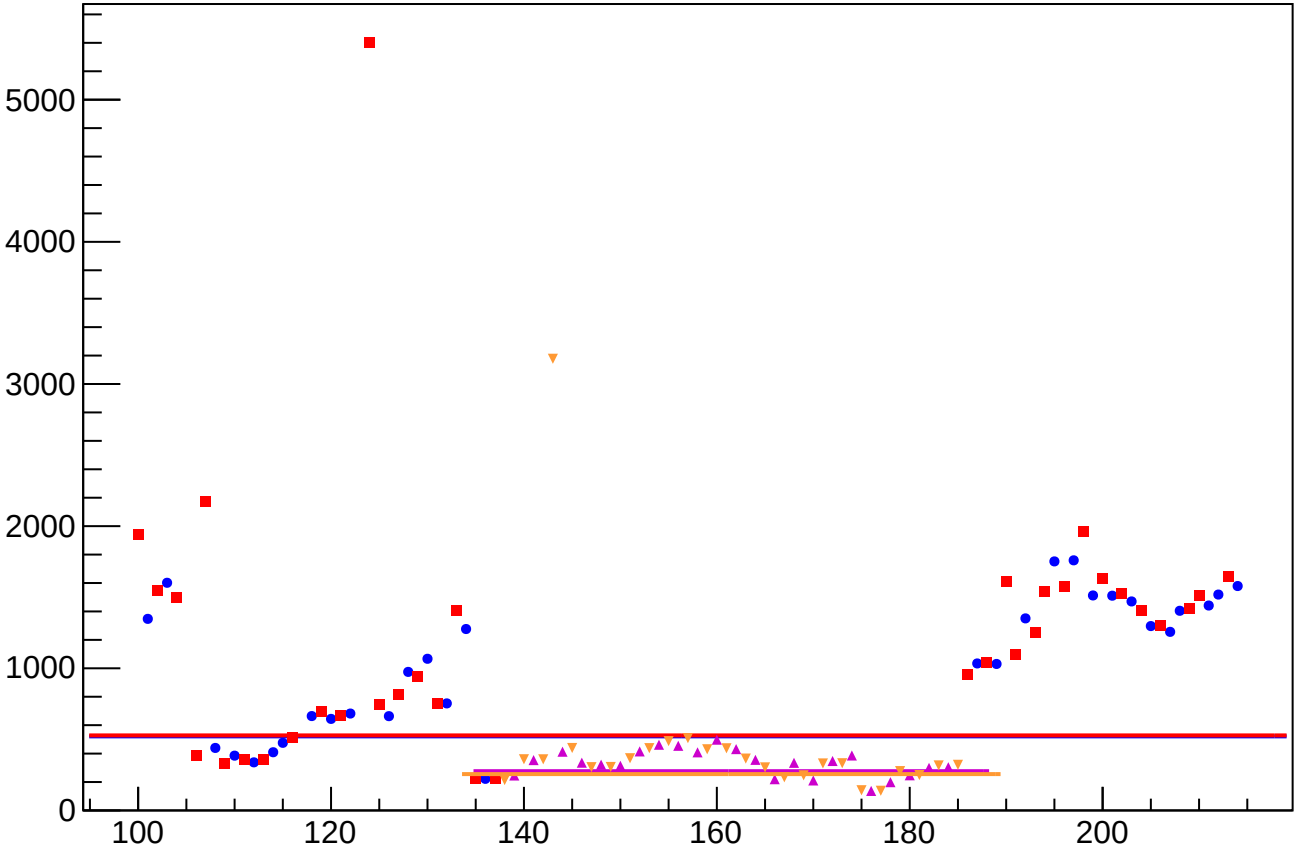
Right: -75.584+/-111.276 χ^2/NDF: 78.3/63

In: 28.877+/-63.106 χ^2/NDF:62.7/52

Out: -100.376+/-59.360 χ^2/NDF:84.0/58

All: -39.699+/-43.238 χ^2/NDF: 148.9/111

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

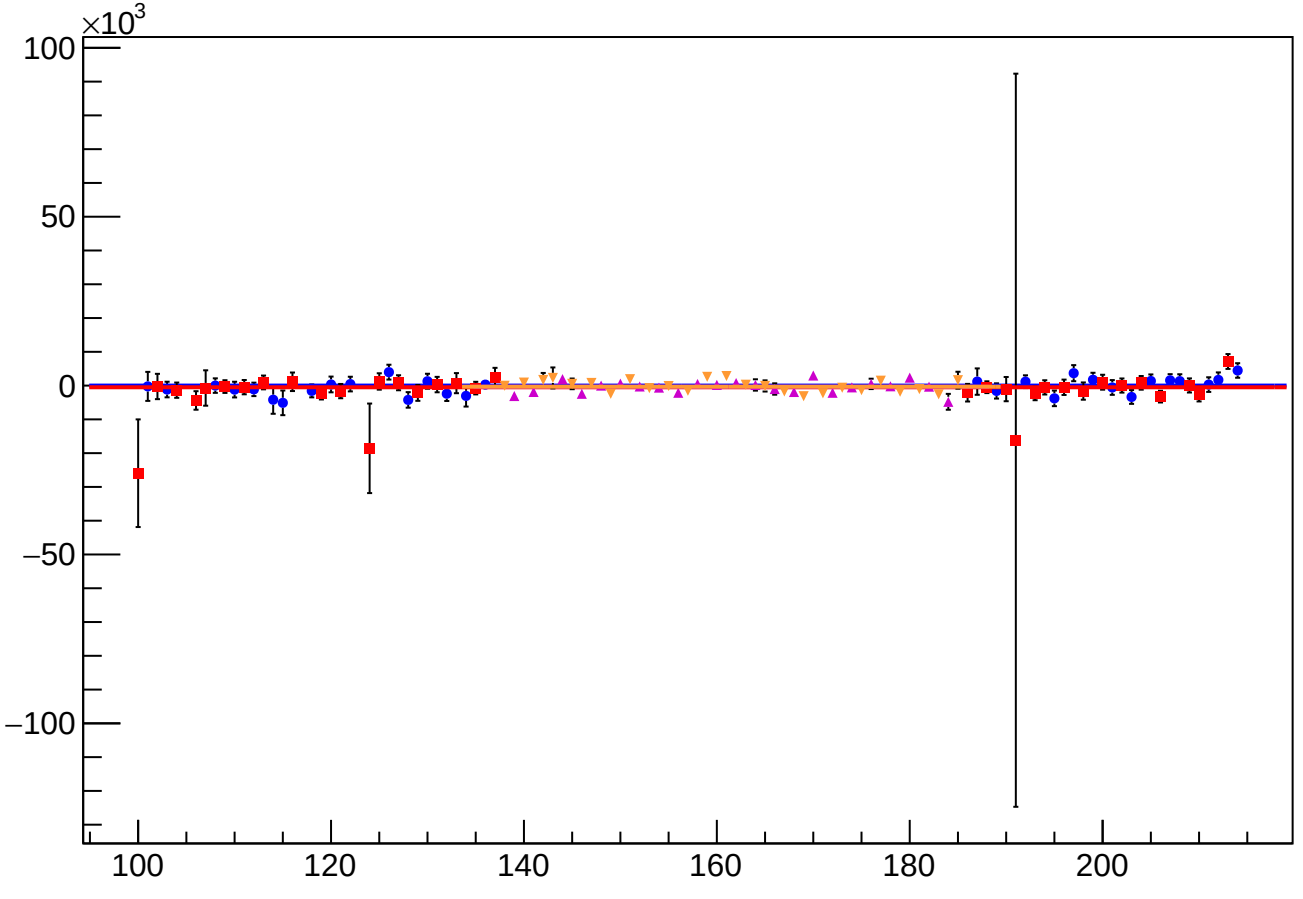
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 524.596+/-0.079 χ^2/NDF: 29723092.5/63

In: 315.393+/-0.045 χ^2/NDF:22700231.8/52

Out: 294.778+/-0.042 χ^2/NDF:26625532.0/58

All: 304.456+/-0.031 χ^2/NDF: 49438999.0/11



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

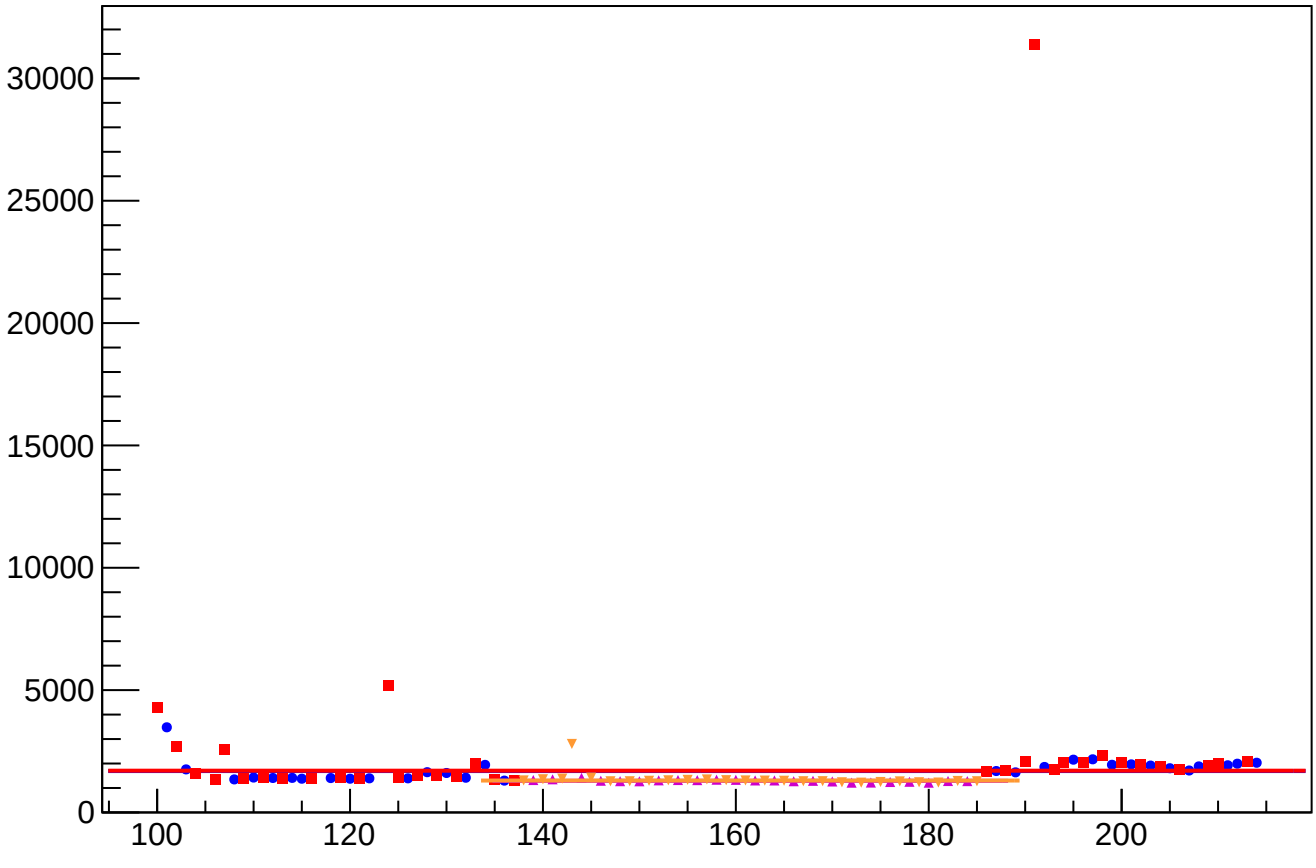
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -245.568+/-285.069 χ^2/NDF: 59.8/63

In: -226.469+/-241.541 χ^2/NDF:60.0/52

Out: -382.356+/-239.890 χ^2/NDF:60.8/58

All: -304.947+/-170.208 χ^2/NDF: 121.1/111



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

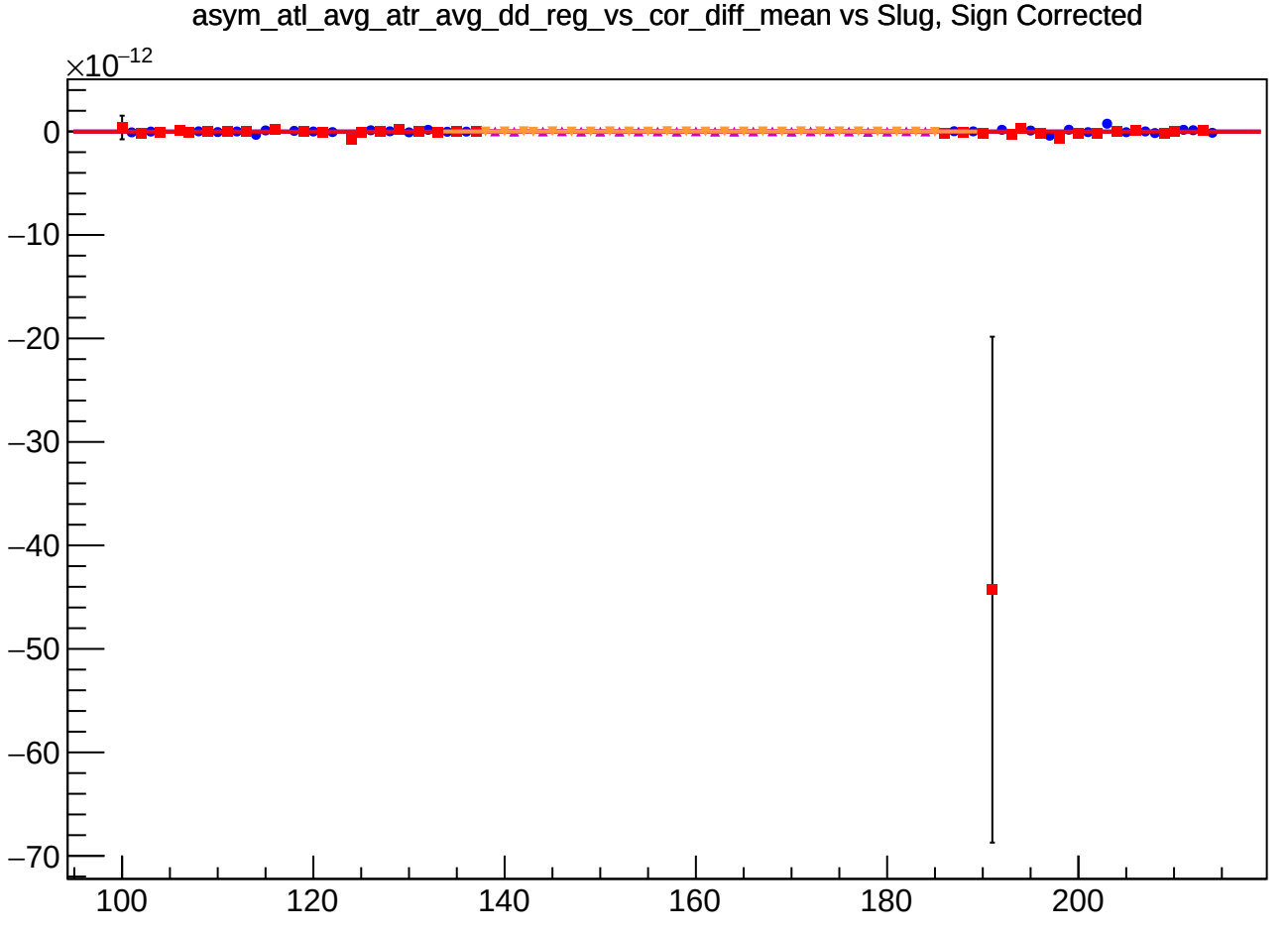
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1699.339+/-0.202 χ^2/NDF: 2759508.7/63

In: 1435.957+/-0.171 χ^2/NDF:2562442.5/52

Out: 1446.402+/-0.170 χ^2/NDF:3312990.1/58

All: 1441.215+/-0.120 χ^2/NDF: 5877315.3/11



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

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

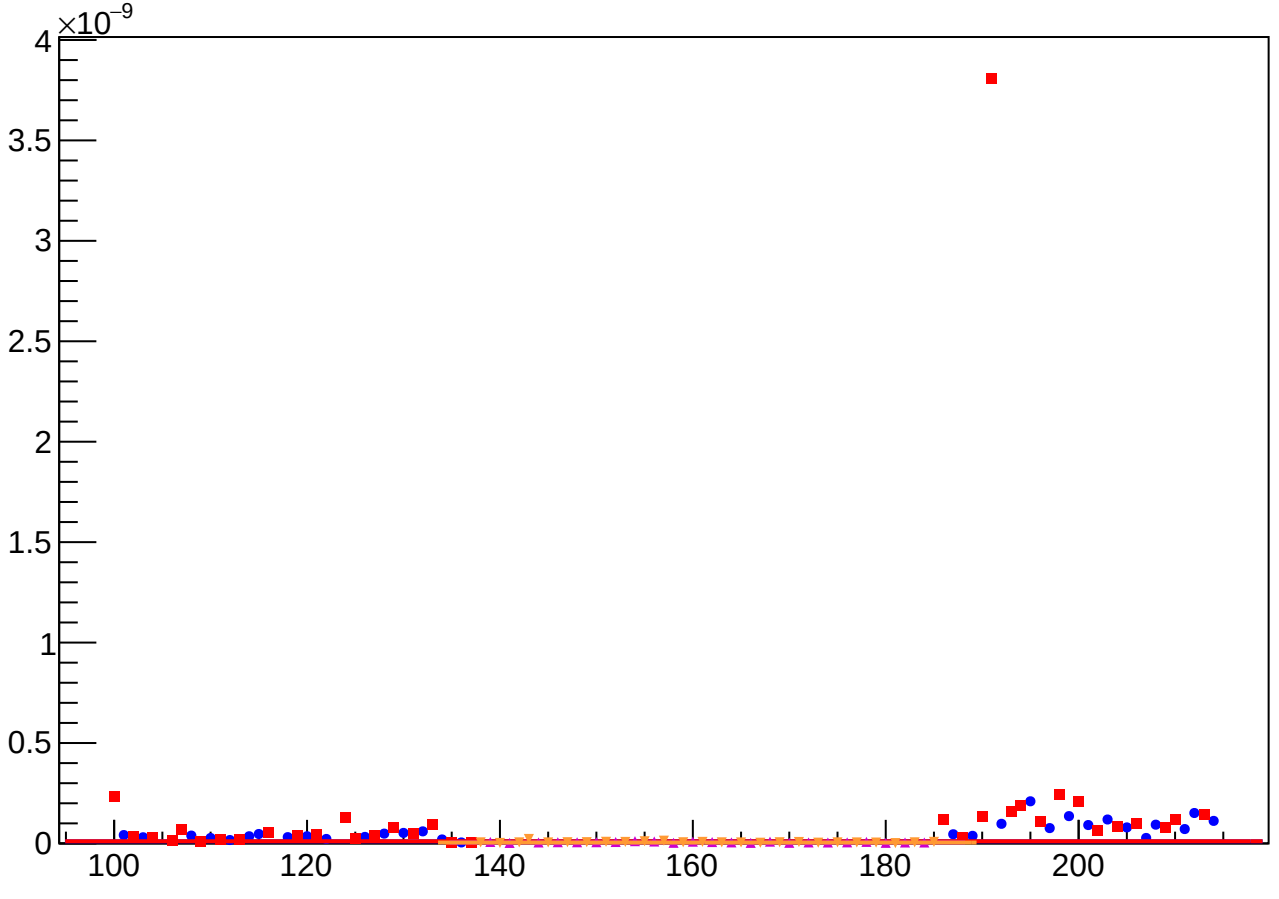
Right: -0.000+/-0.000 χ^2/NDF: 70.6/63

In: -0.000+/-0.000 χ^2/NDF:63.4/52

Out: -0.000+/-0.000 χ^2/NDF:65.9/58

All: -0.000+/-0.000 χ^2/NDF: 129.6/111

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

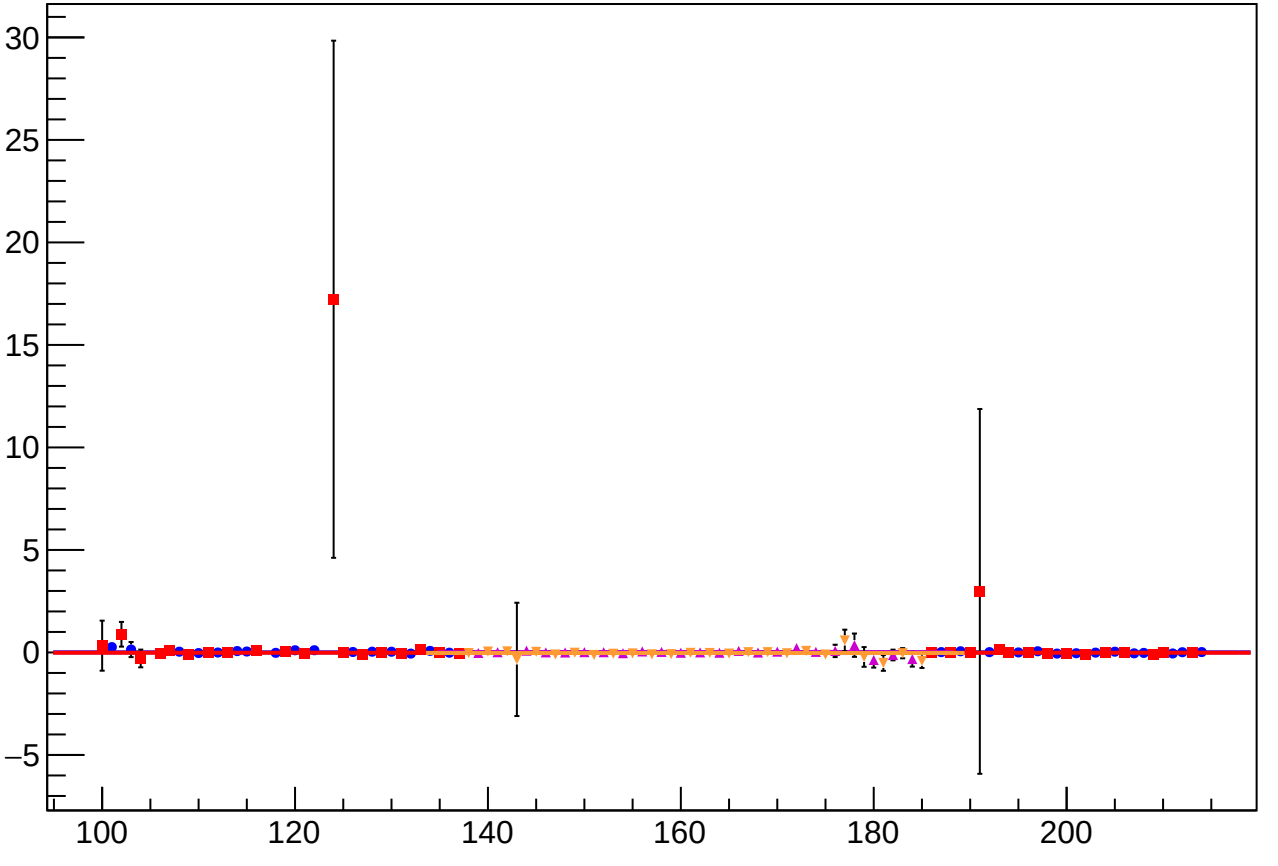
Right: 0.000+/-0.000 χ^2/NDF: 20719346.4/63

In: 0.000+/-0.000 χ^2/NDF:12389014.8/52

Out: 0.000+/-0.000 χ^2/NDF:15324544.1/58

All: 0.000+/-0.000 χ^2/NDF: 27744345.7/111

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

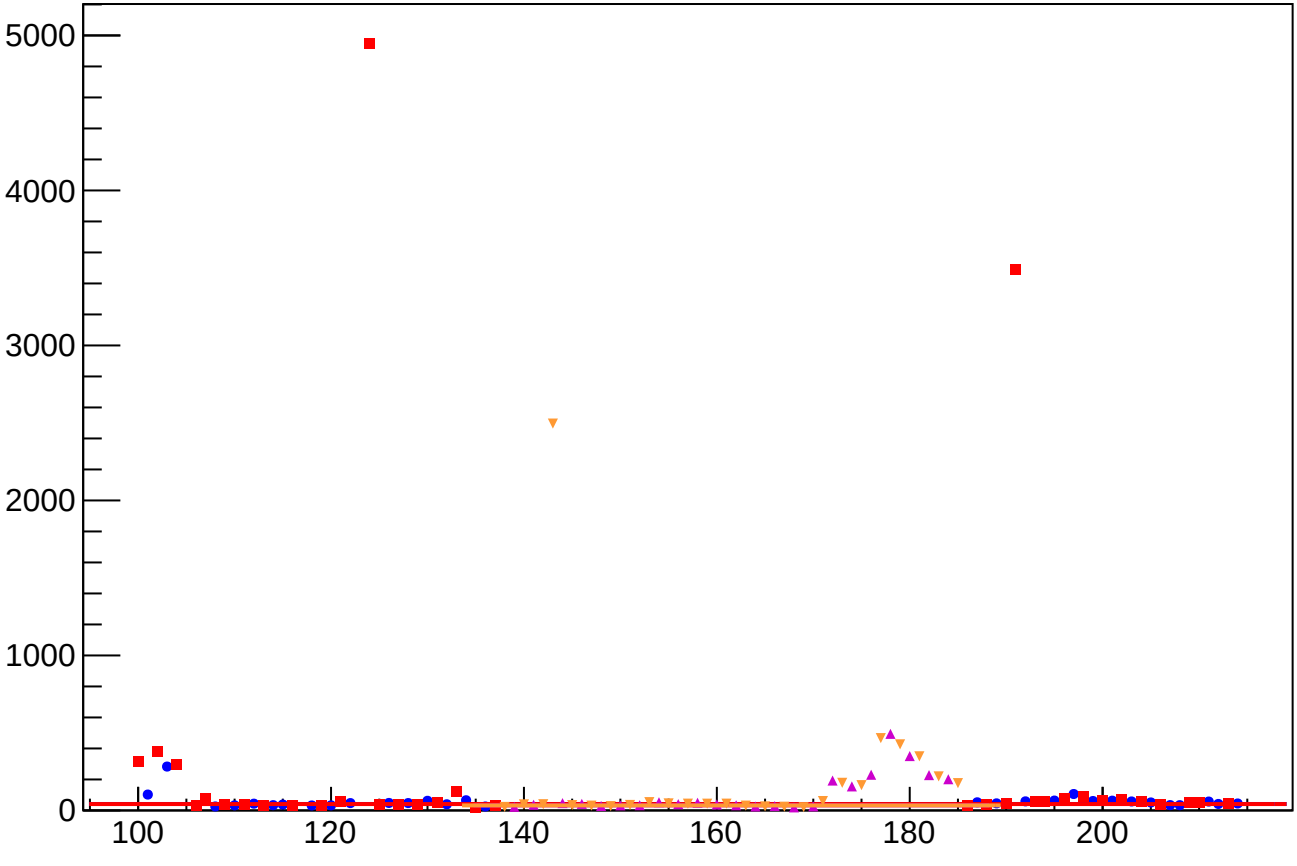
Right: -0.004+/-0.008 χ^2/NDF: 45.1/63

In: 0.008+/-0.007 χ^2/NDF:30.3/52

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.9/111

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

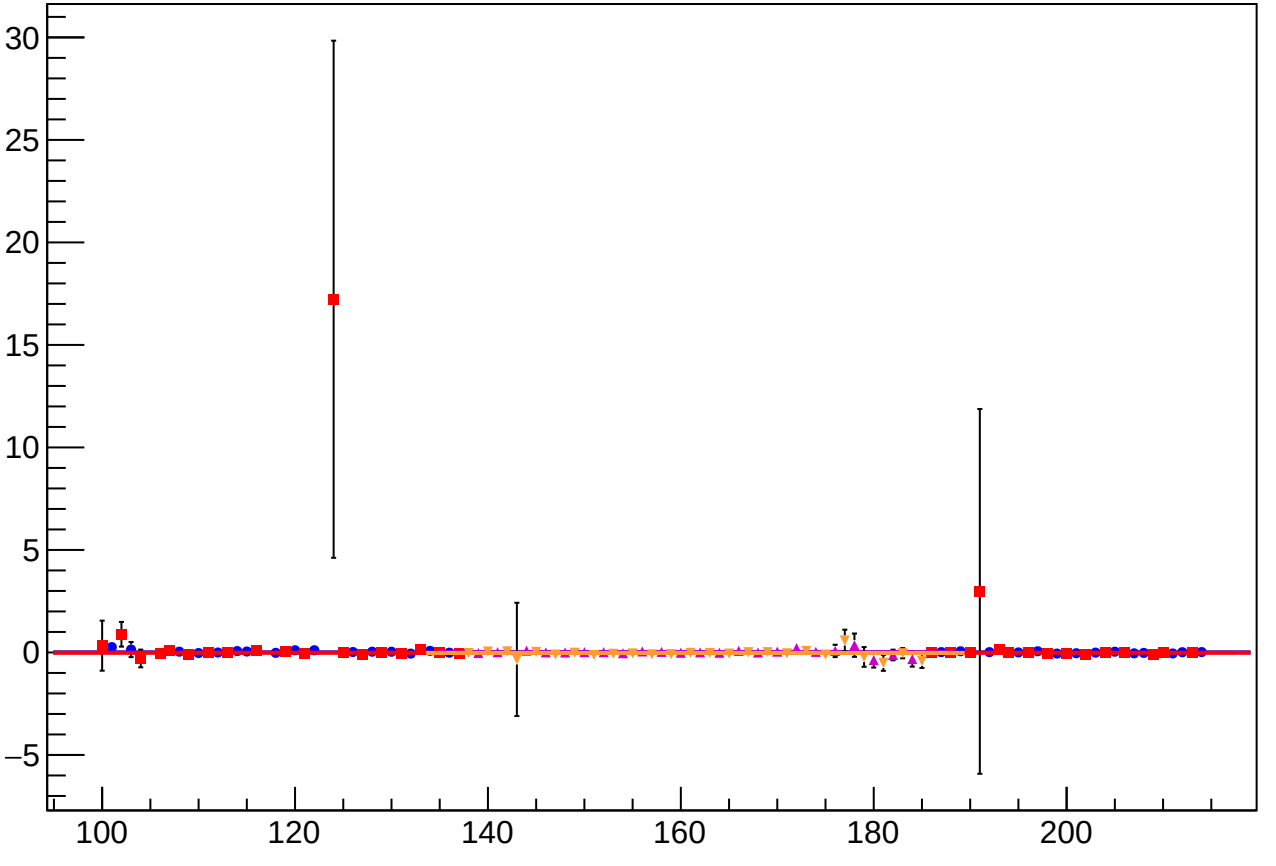
Right: 41.504+/-0.006 χ^2/NDF: 9784484.2/63

In: 36.544+/-0.005 χ^2/NDF:13981018.0/52

Out: 36.280+/-0.005 χ^2/NDF:17114204.2/58

All: 36.412+/-0.004 χ^2/NDF: 31096562.2/111

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

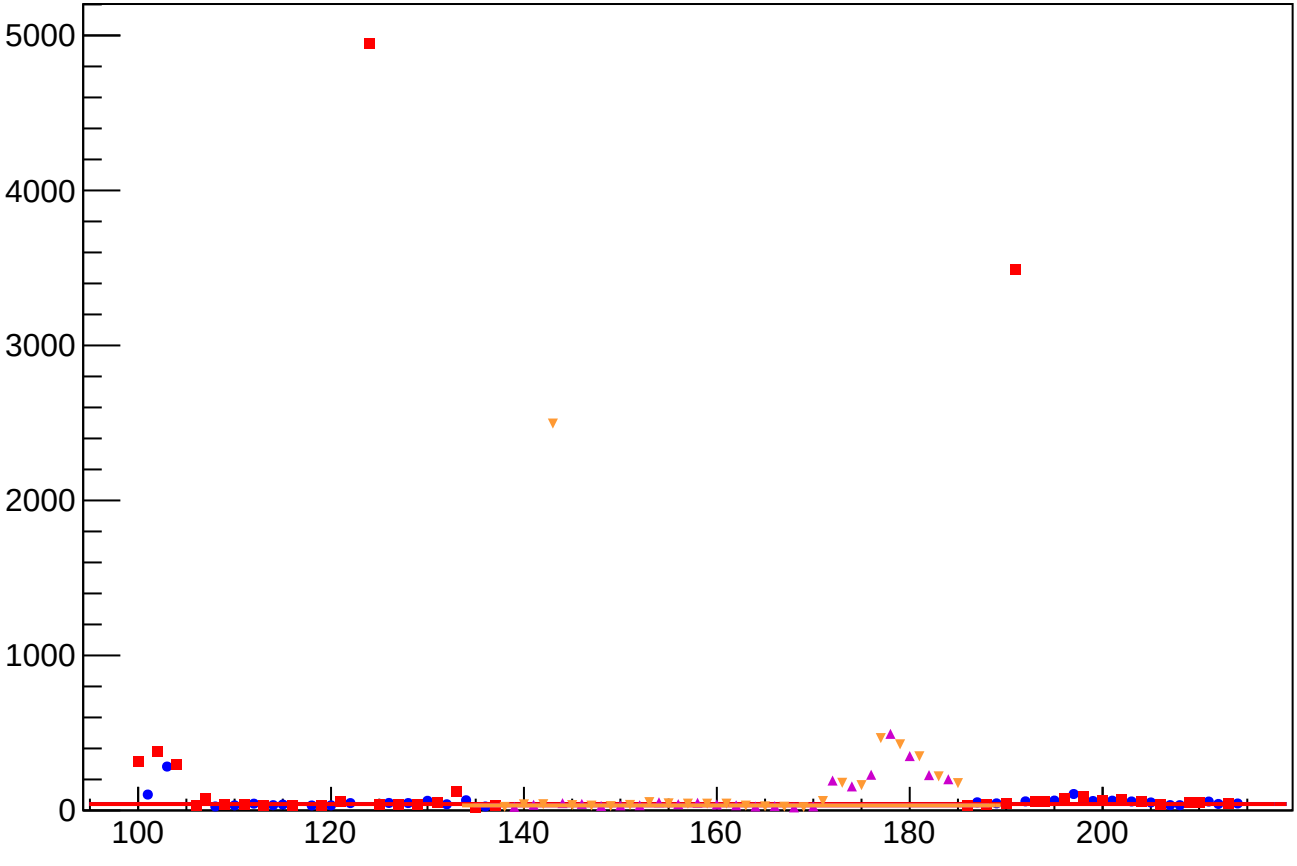
Right: -0.004+/-0.008 χ^2/NDF: 45.1/63

In: 0.008+/-0.007 χ^2/NDF:30.3/52

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.9/111

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

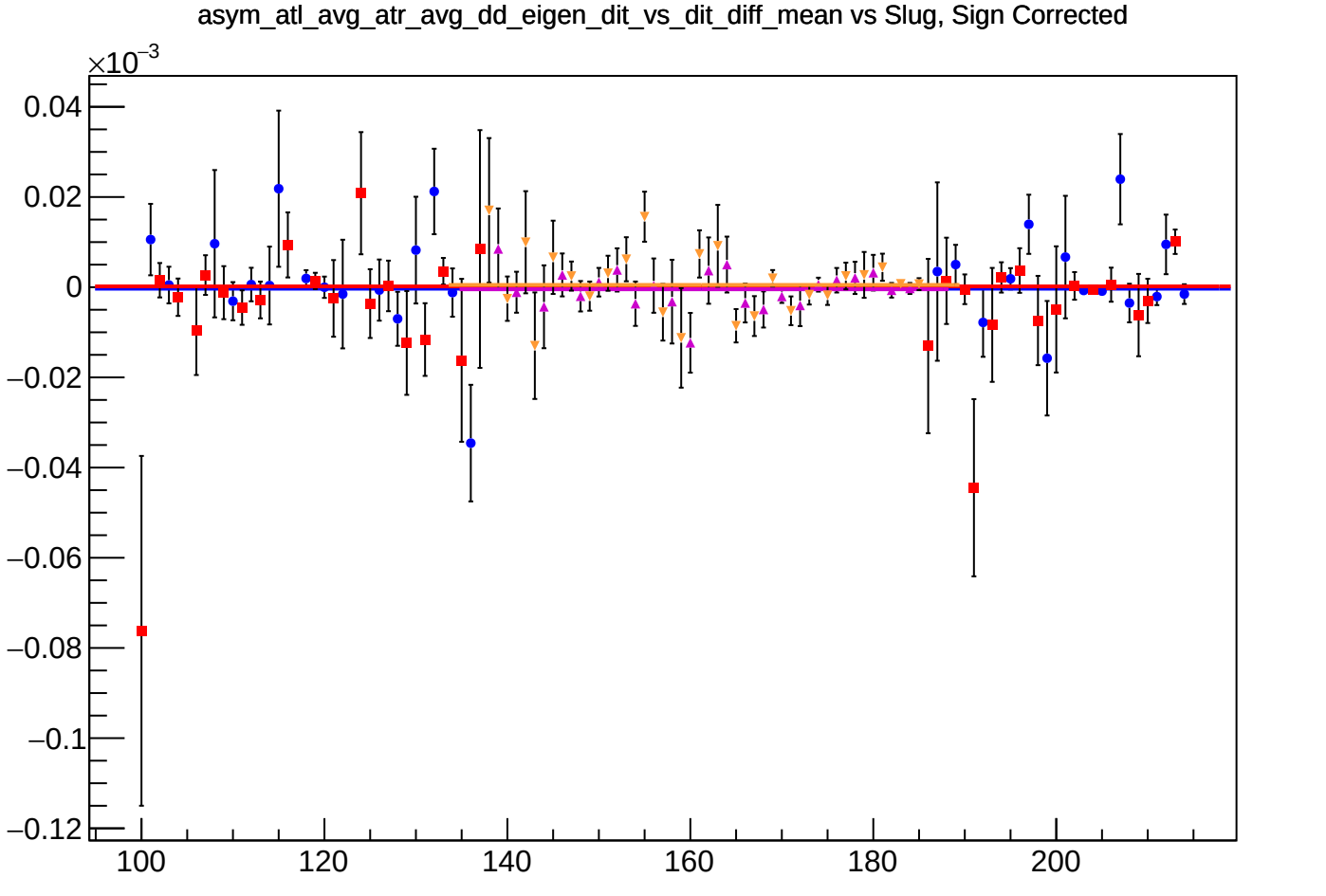
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.504+/-0.006 χ^2/NDF: 9784484.2/63

In: 36.544+/-0.005 χ^2/NDF:13981018.0/52

Out: 36.280+/-0.005 χ^2/NDF:17114204.2/58

All: 36.412+/-0.004 χ^2/NDF: 31096562.2/111



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

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

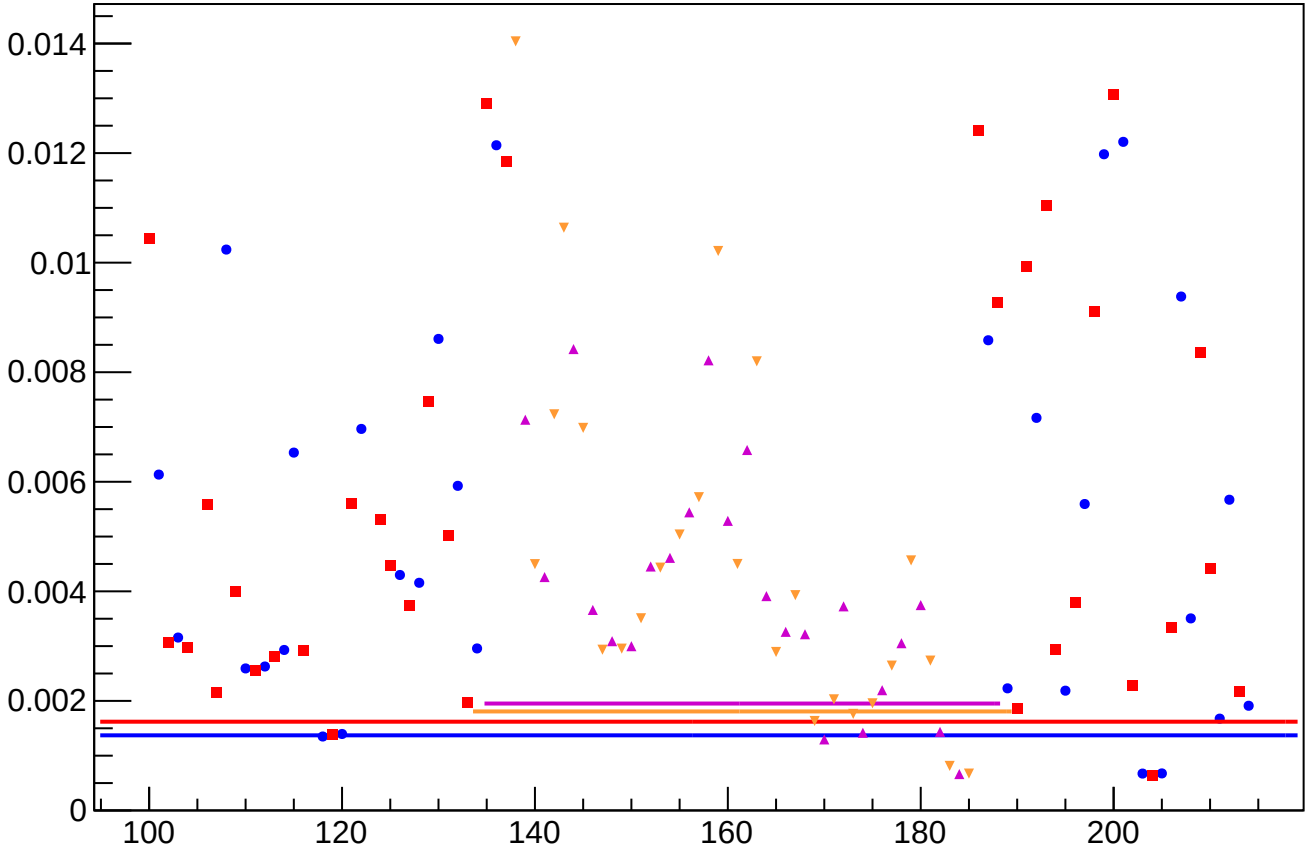
Right: -0.000+/-0.000 χ^2/NDF: 81.5/63

In: -0.000+/-0.000 χ^2/NDF:53.9/52

Out: 0.000+/-0.000 χ^2/NDF:76.8/58

All: -0.000+/-0.000 χ^2/NDF: 132.5/111

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

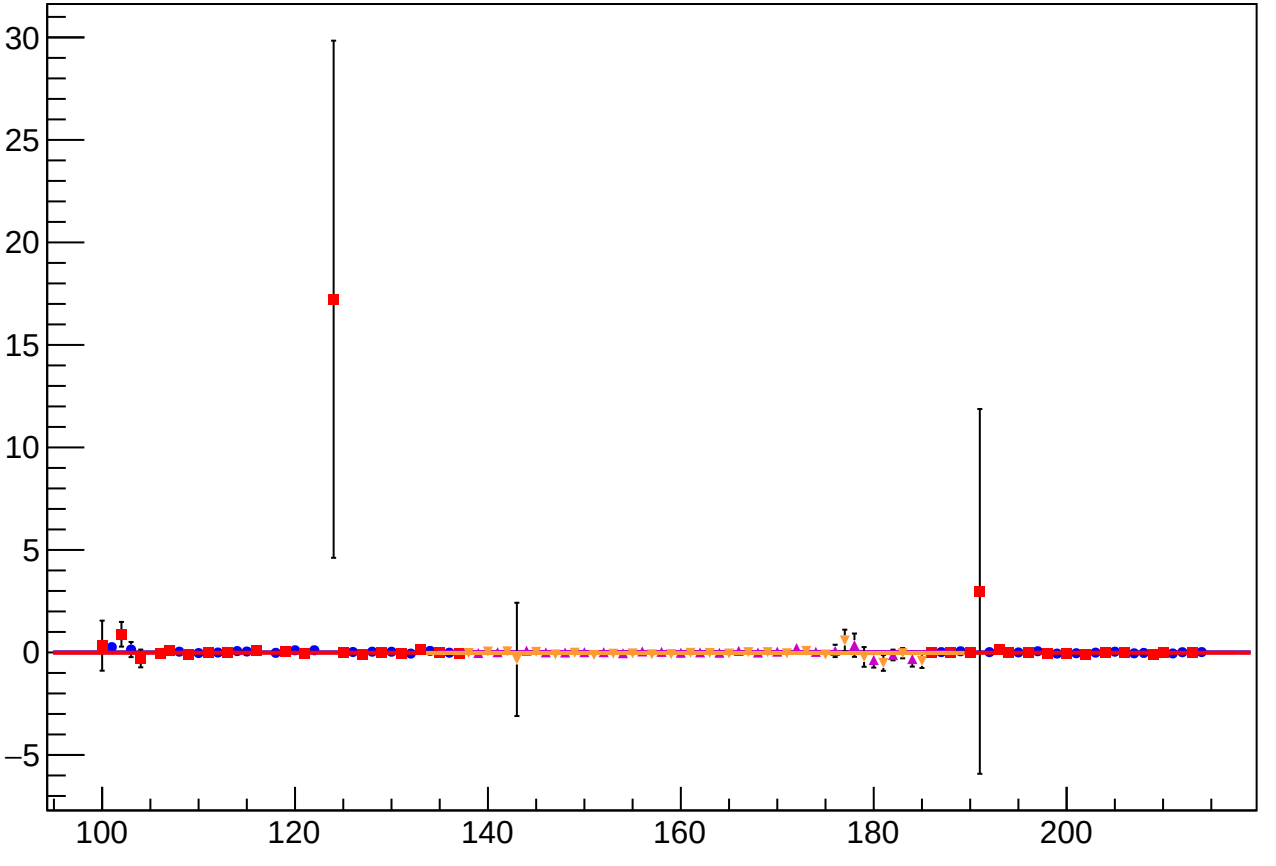
Right: 0.001+/-0.000 χ^2/NDF: 34457240.1/63

In: 0.002+/-0.000 χ^2/NDF:29585698.6/52

Out: 0.002+/-0.000 χ^2/NDF:32341364.6/58

All: 0.002+/-0.000 χ^2/NDF: 62010818.6/111

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

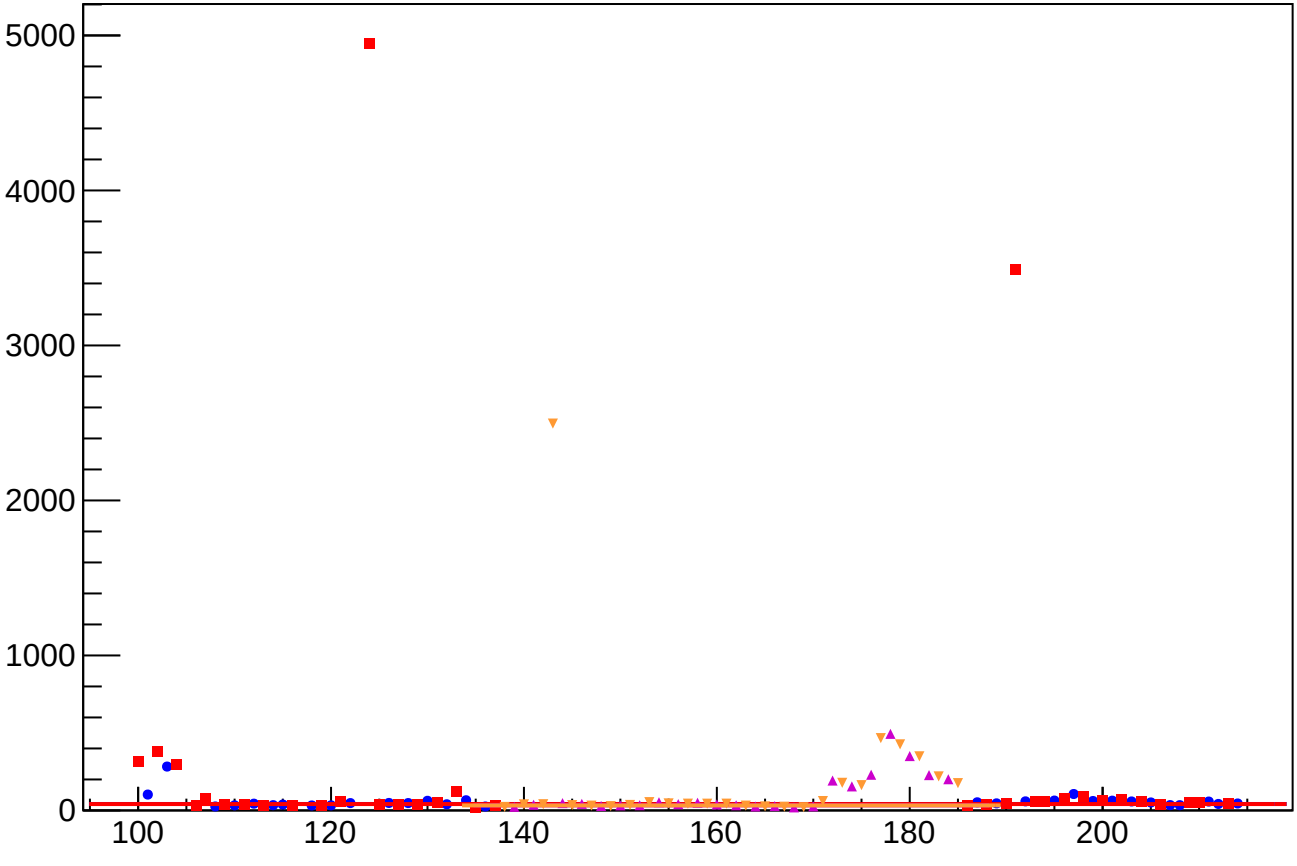
Right: -0.004+/-0.008 χ^2/NDF: 45.1/63

In: 0.008+/-0.007 χ^2/NDF:30.3/52

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.9/111

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

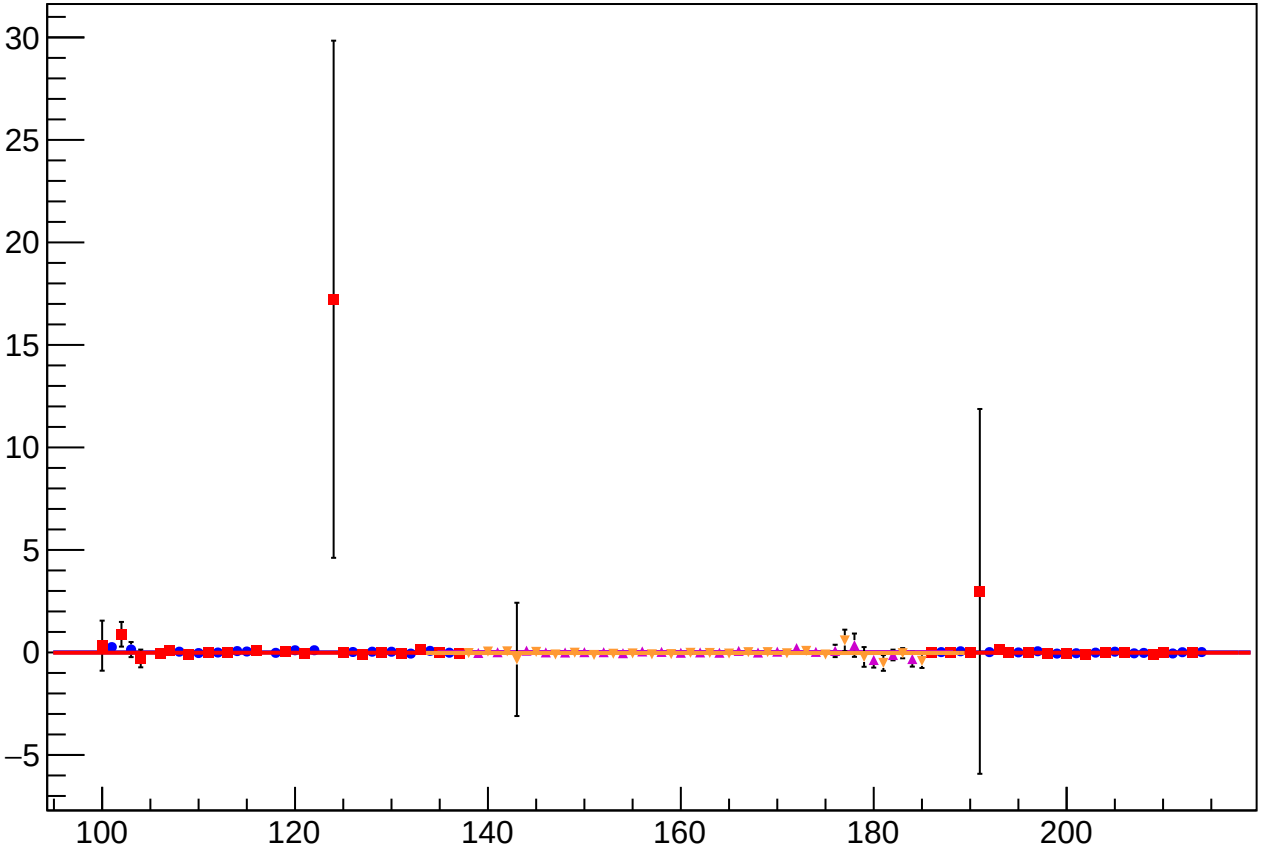
Right: 41.505+/-0.006 χ^2/NDF: 9783928.8/63

In: 36.543+/-0.005 χ^2/NDF:13981561.3/52

Out: 36.280+/-0.005 χ^2/NDF:17114302.3/58

All: 36.411+/-0.004 χ^2/NDF: 31097196.6/111

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

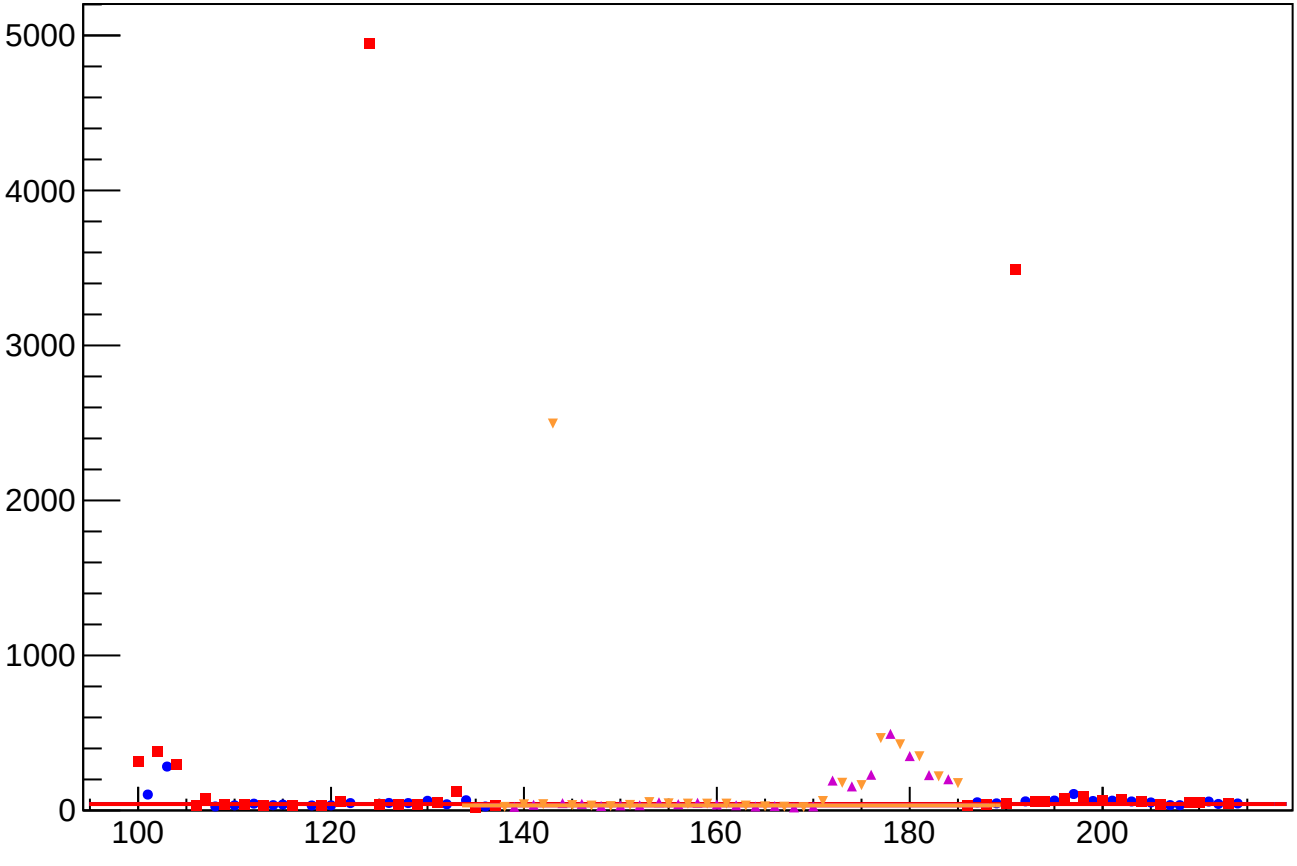
Right: -0.004+/-0.008 χ^2/NDF: 45.1/63

In: 0.008+/-0.007 χ^2/NDF:30.3/52

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.9/111

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

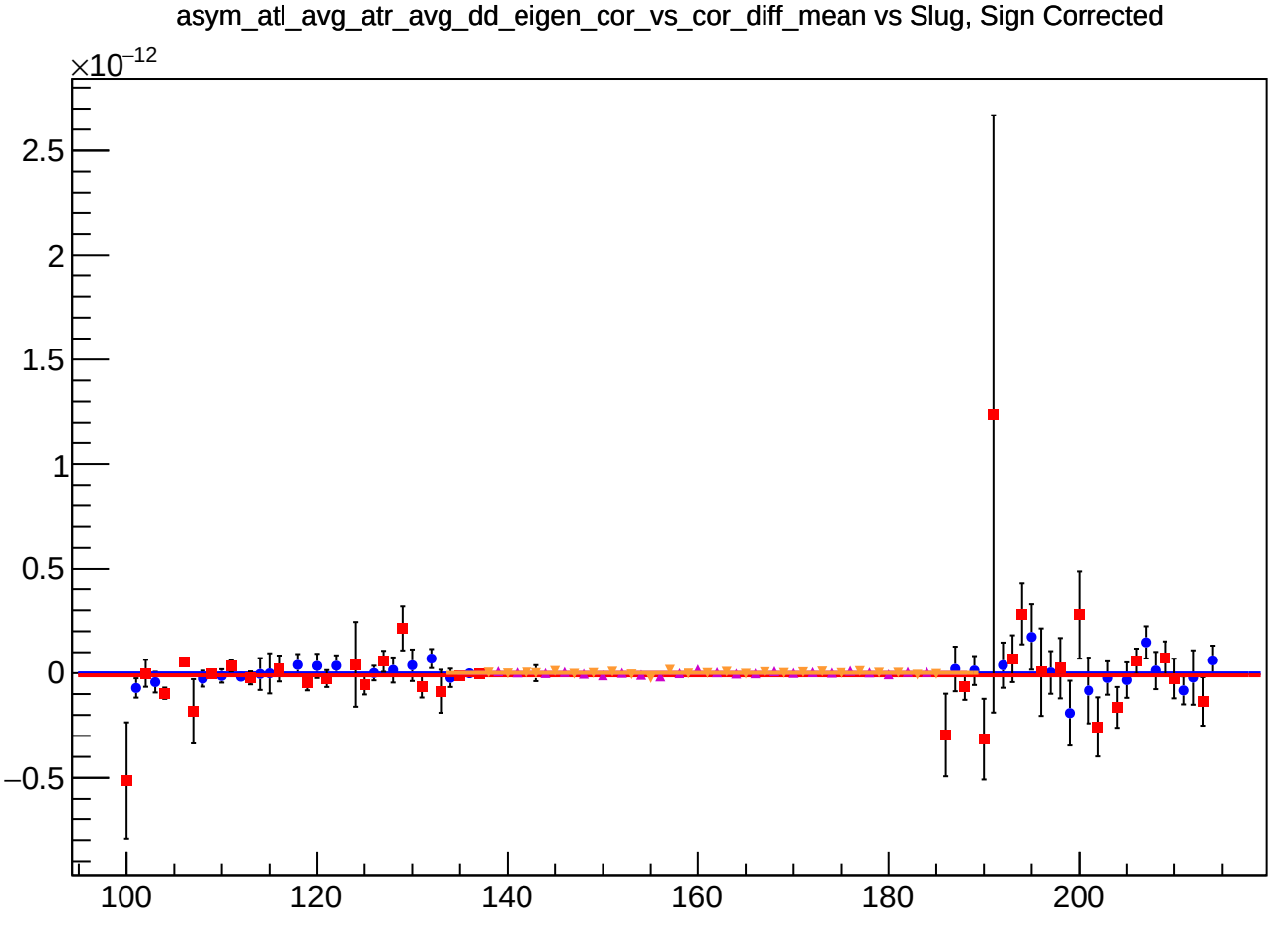
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.505+/-0.006 χ^2/NDF: 9783928.8/63

In: 36.543+/-0.005 χ^2/NDF:13981561.3/52

Out: 36.280+/-0.005 χ^2/NDF:17114302.3/58

All: 36.411+/-0.004 χ^2/NDF: 31097196.6/111



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

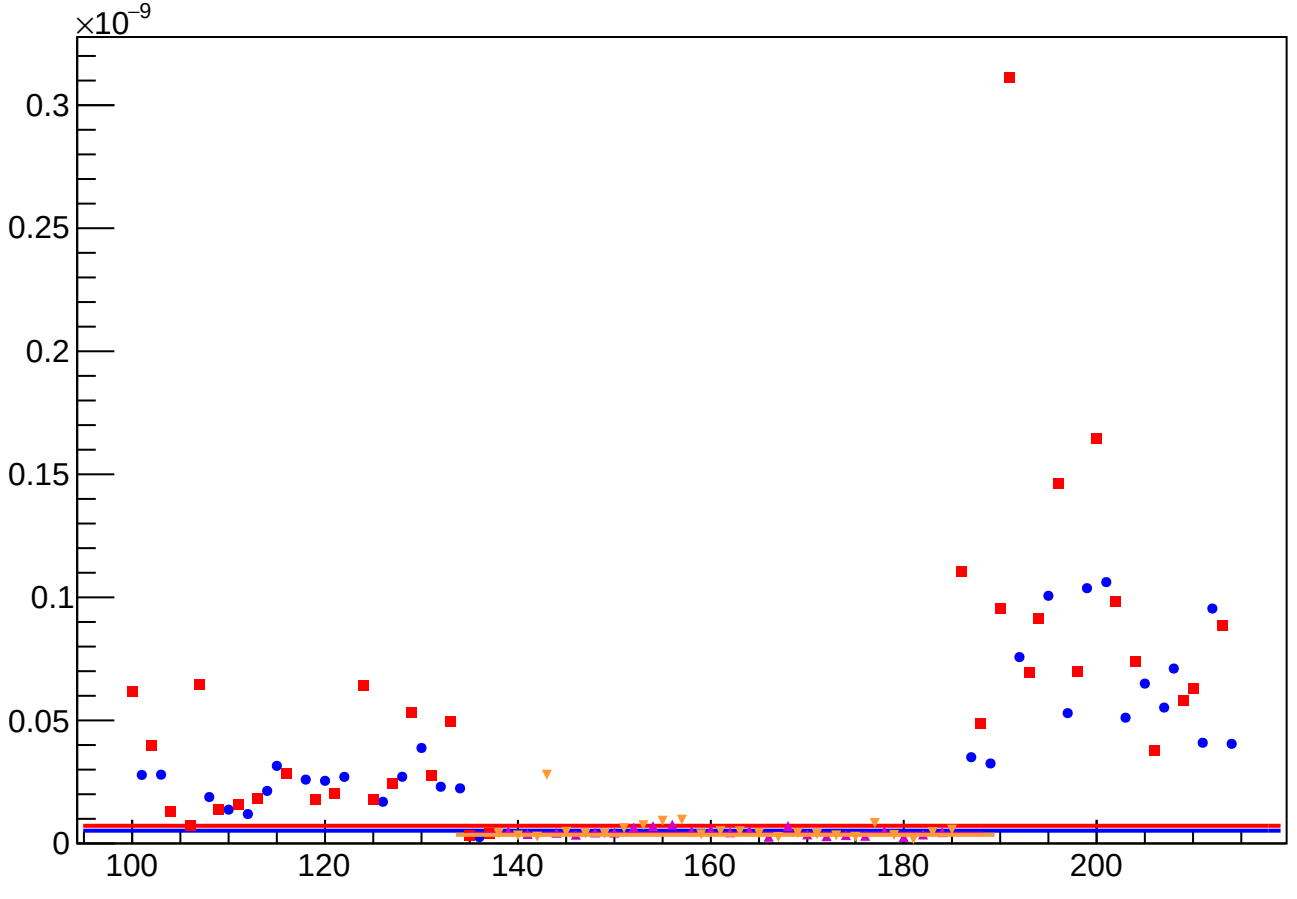
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 82.6/63

In: 0.000+/-0.000 χ^2/NDF:47.2/52

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 134.6/111



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

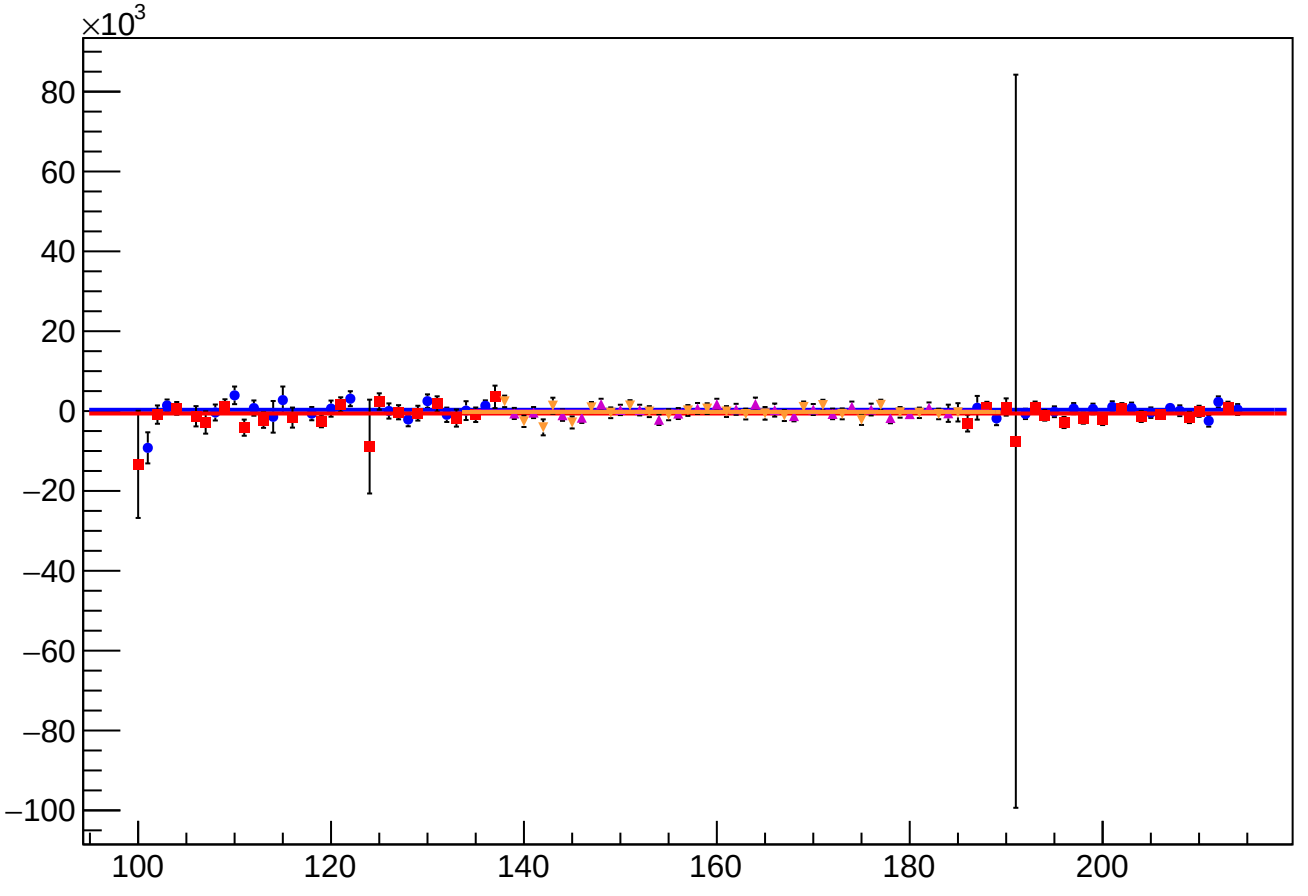
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 30723719.9/63

In: 0.000+/-0.000 χ^2/NDF:17333447.5/52

Out: 0.000+/-0.000 χ^2/NDF:21599697.2/58

All: 0.000+/-0.000 χ^2/NDF: 39061595.2/111



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

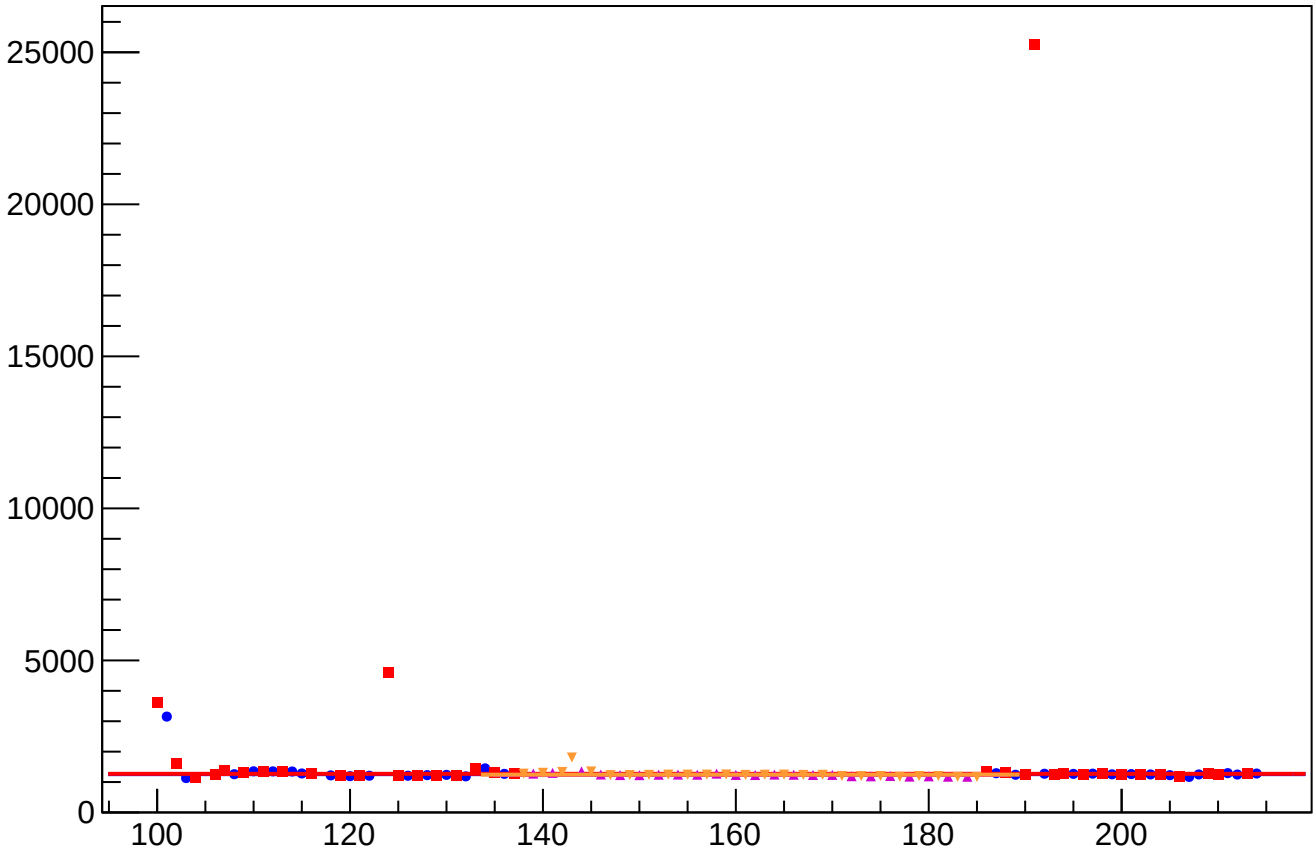
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -145.643+/-209.537 χ^2/NDF: 60.8/63

In: 108.318+/-206.698 χ^2/NDF:42.1/52

Out: -406.860+/-204.596 χ^2/NDF:54.3/58

All: -151.905+/-145.409 χ^2/NDF: 99.5/111



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

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

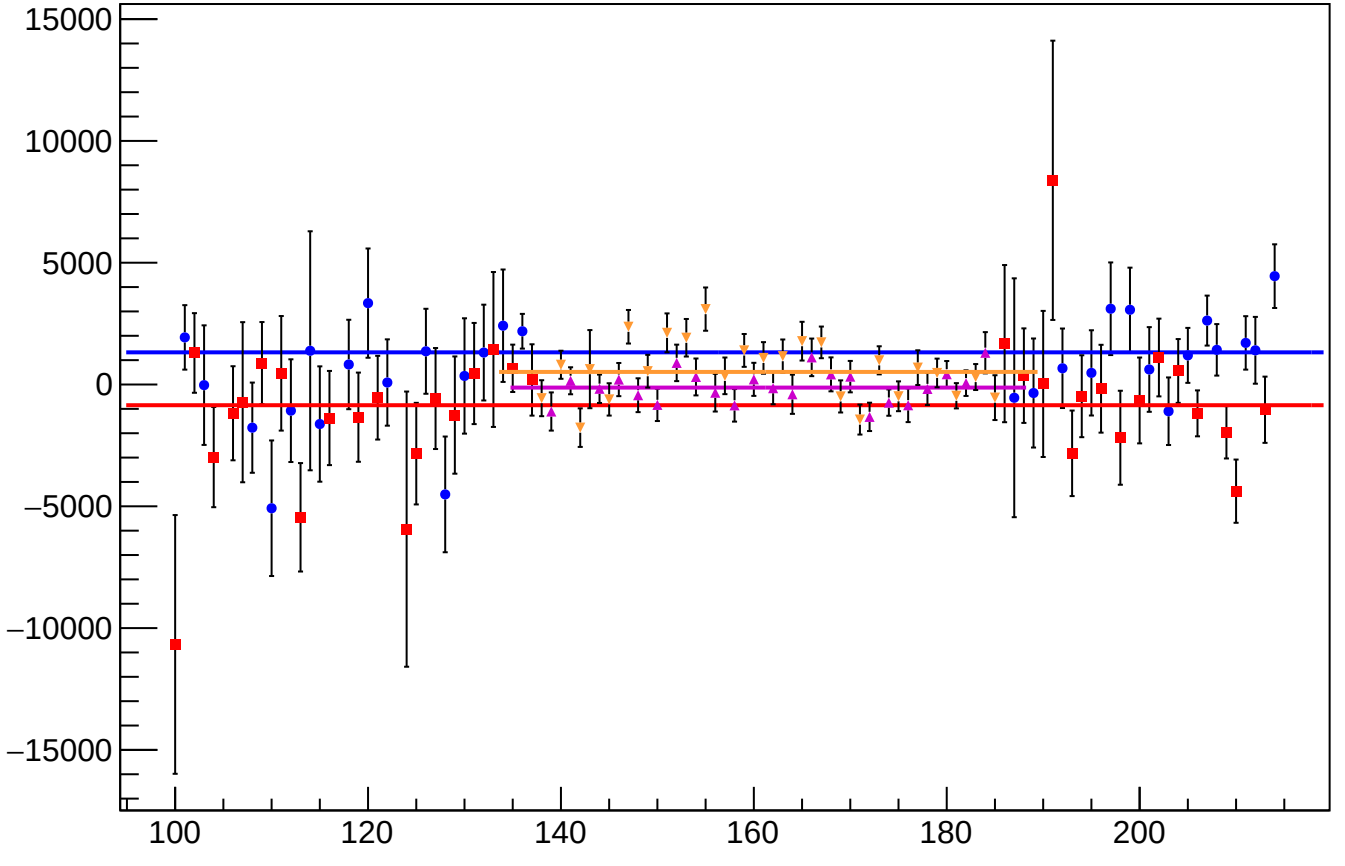
Right: 1265.204+/-0.148 χ^2/NDF: 1023554.2/63

In: 1246.510+/-0.146 χ^2/NDF:583002.0/52

Out: 1255.978+/-0.145 χ^2/NDF:699026.2/58

All: 1251.293+/-0.103 χ^2/NDF: 1284147.5/11

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



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

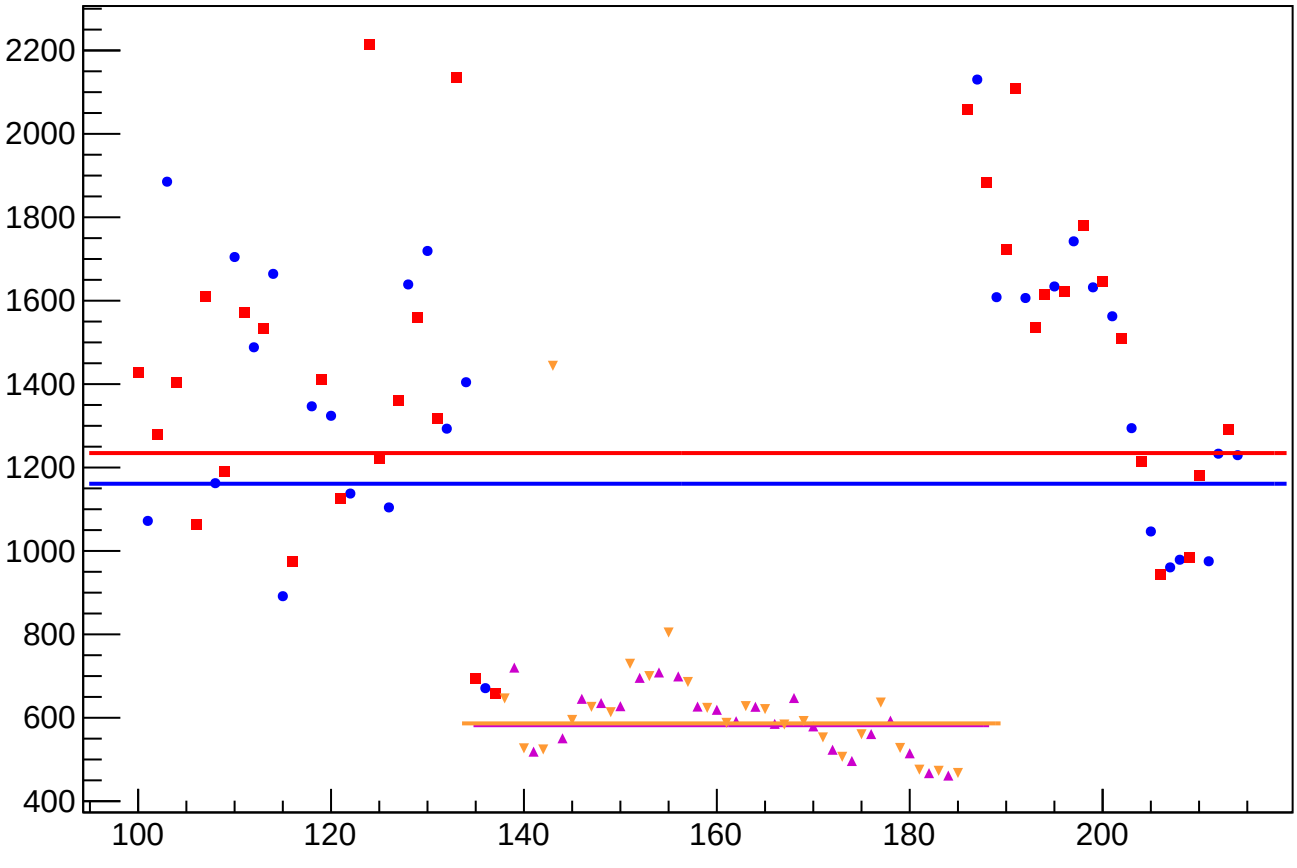
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 287.571+/-204.779 χ^2/NDF: 97.0/63

In: 149.238+/-123.493 χ^2/NDF:77.1/52

Out: 280.415+/-123.451 χ^2/NDF:119.1/58

All: 214.849+/-87.308 χ^2/NDF: 196.8/111



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

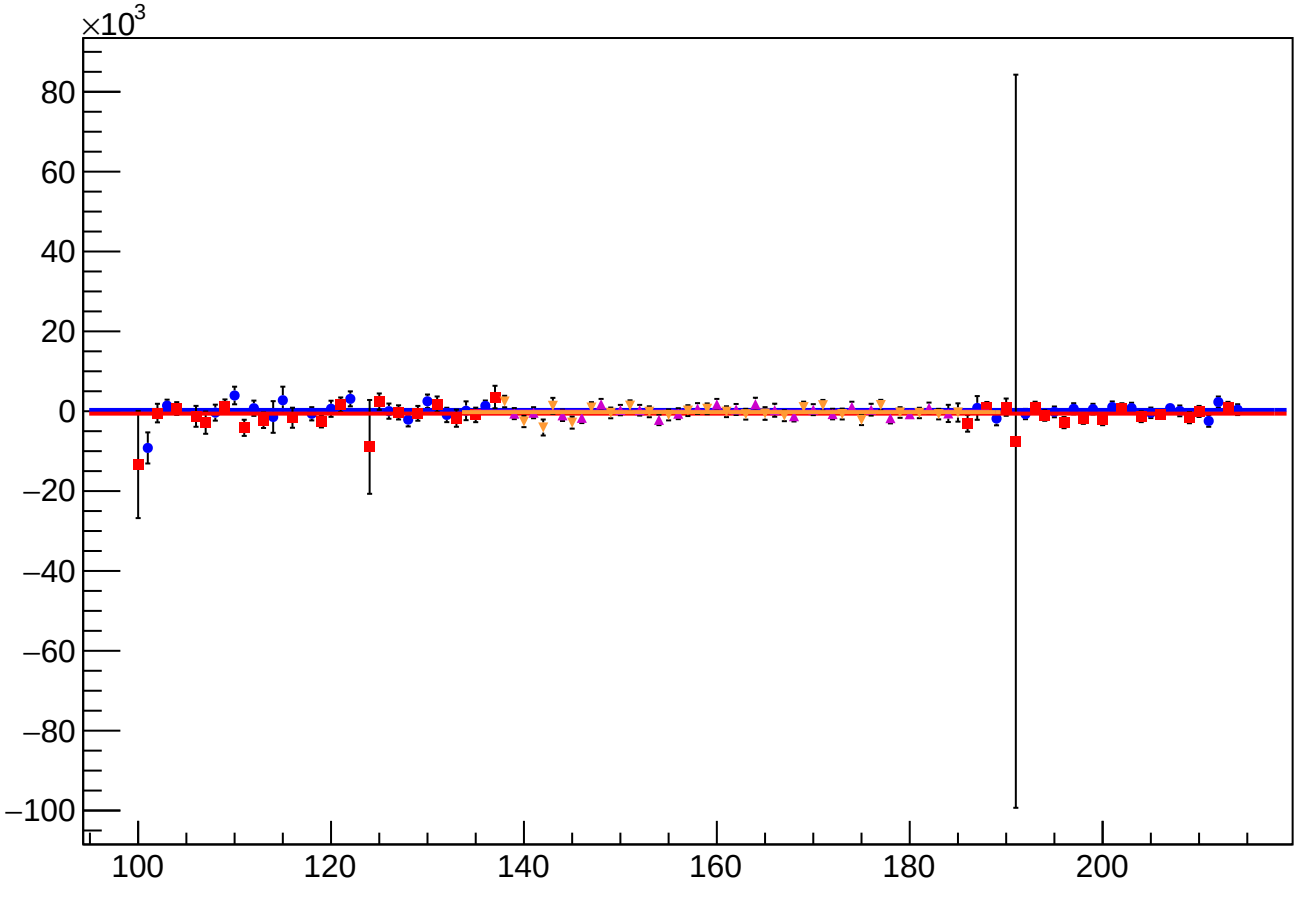
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1196.126+/-0.145 χ^2/NDF: 5496765.5/63

In: 692.539+/-0.087 χ^2/NDF:10035055.0/52

Out: 698.649+/-0.087 χ^2/NDF:11825621.9/58

All: 695.595+/-0.062 χ^2/NDF: 21863125.3/11



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

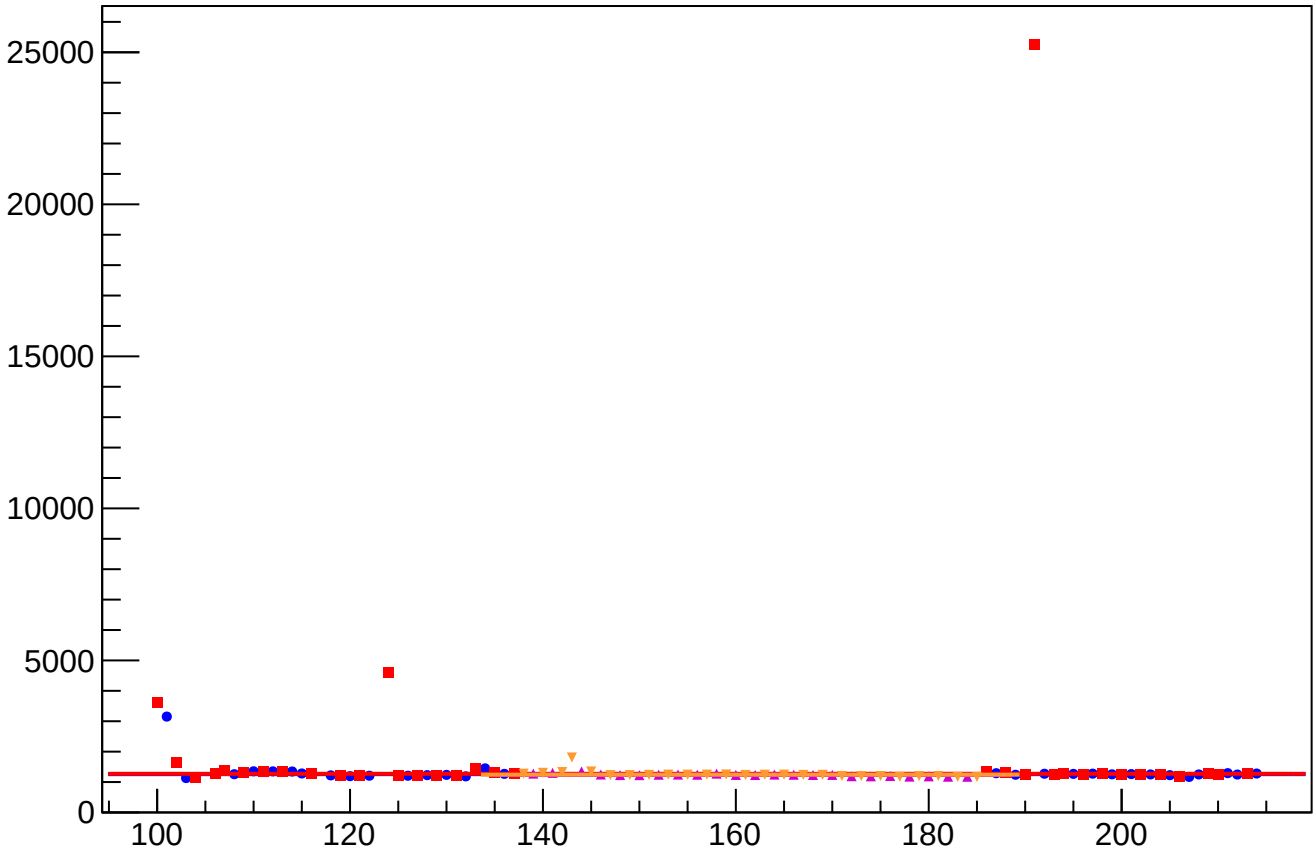
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -141.405+/-209.605 χ^2/NDF: 60.7/63

In: 108.377+/-206.698 χ^2/NDF:42.0/52

Out: -403.092+/-204.659 χ^2/NDF:54.3/58

All: -149.893+/-145.431 χ^2/NDF: 99.4/111



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

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

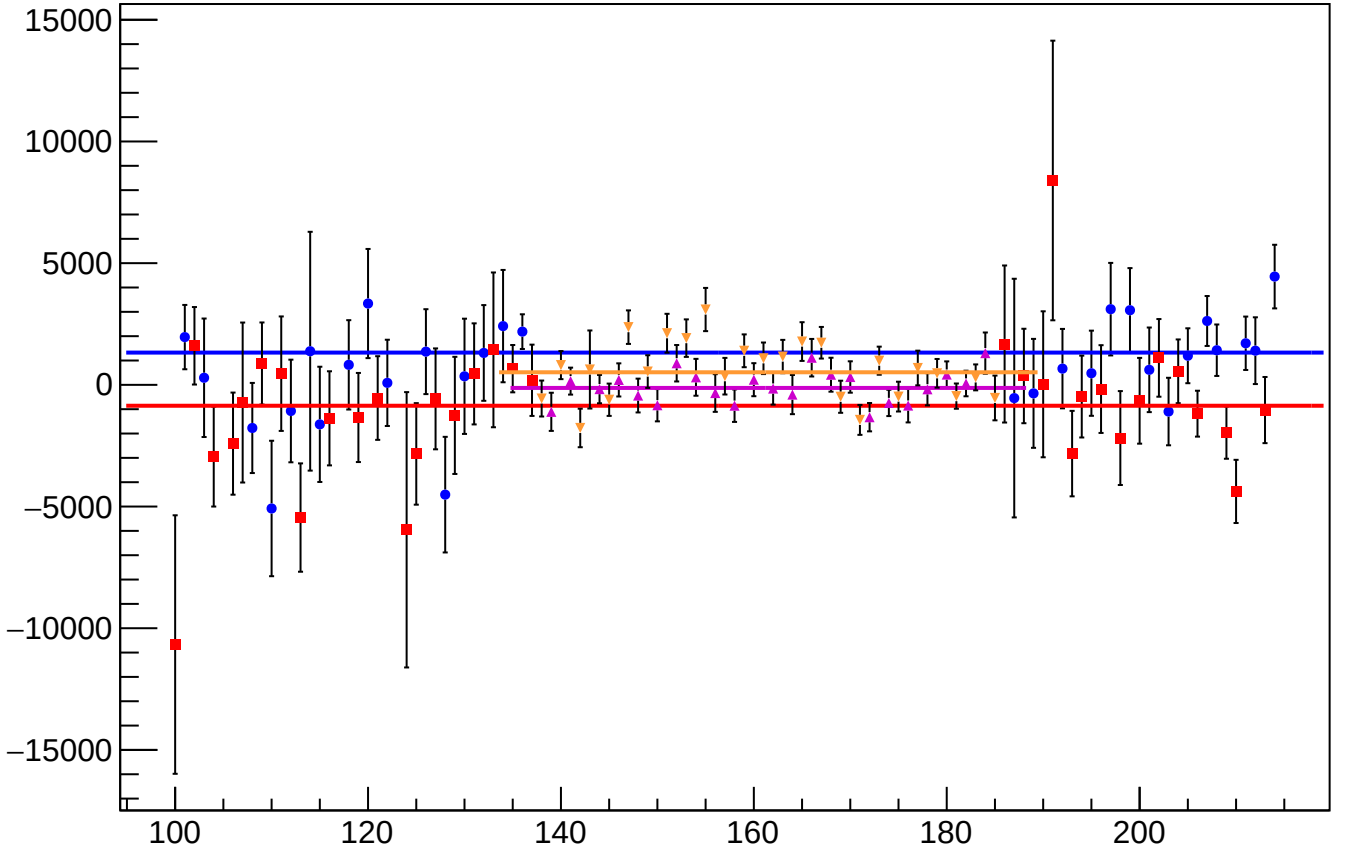
Right: 1265.627+/-0.148 χ^2/NDF: 1030918.6/63

In: 1246.510+/-0.146 χ^2/NDF:583003.3/52

Out: 1256.375+/-0.145 χ^2/NDF:706742.7/58

All: 1251.492+/-0.103 χ^2/NDF: 1292046.4/11

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



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

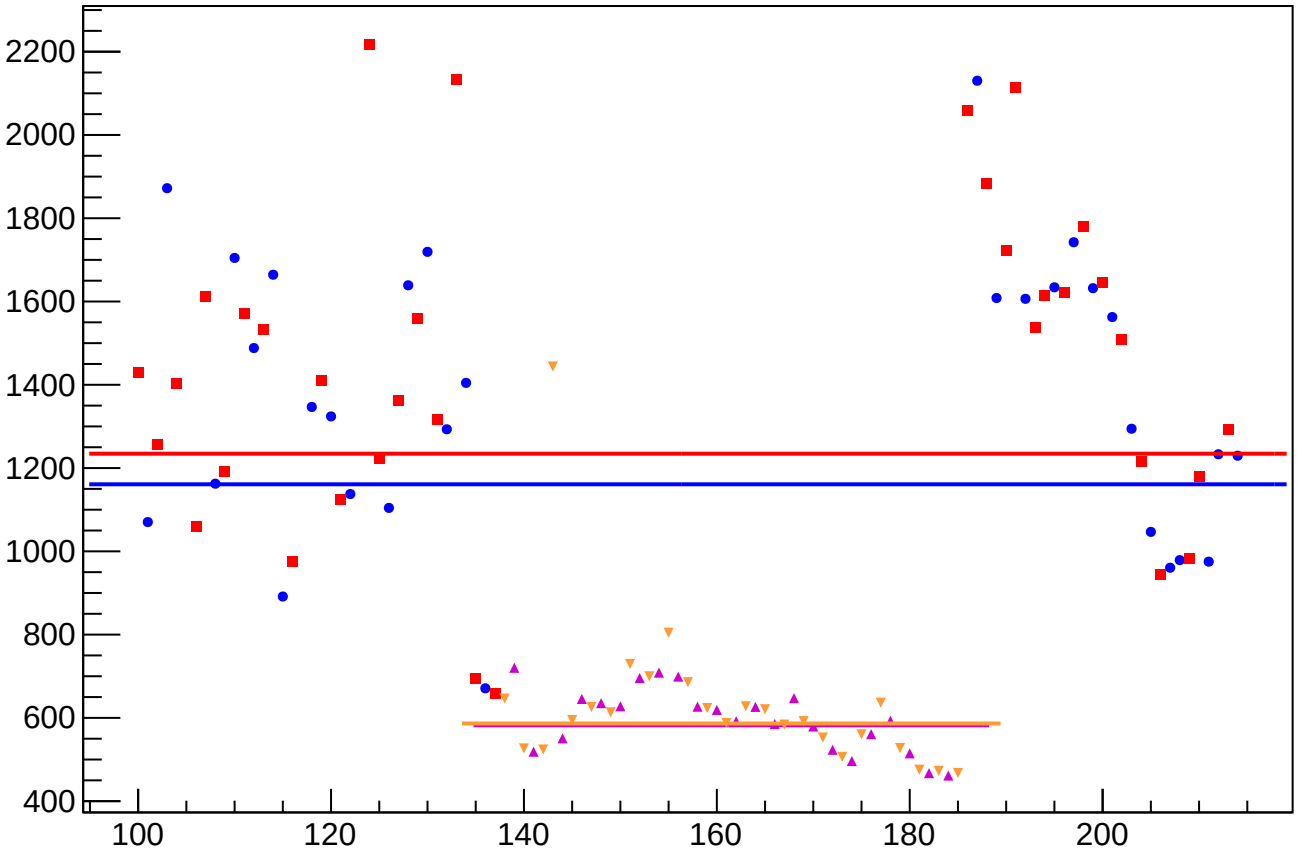
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 287.528+/-204.846 χ^2/NDF: 98.4/63

In: 150.357+/-123.489 χ^2/NDF:77.2/52

Out: 279.316+/-123.470 χ^2/NDF:120.5/58

All: 214.846+/-87.313 χ^2/NDF: 198.2/111



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

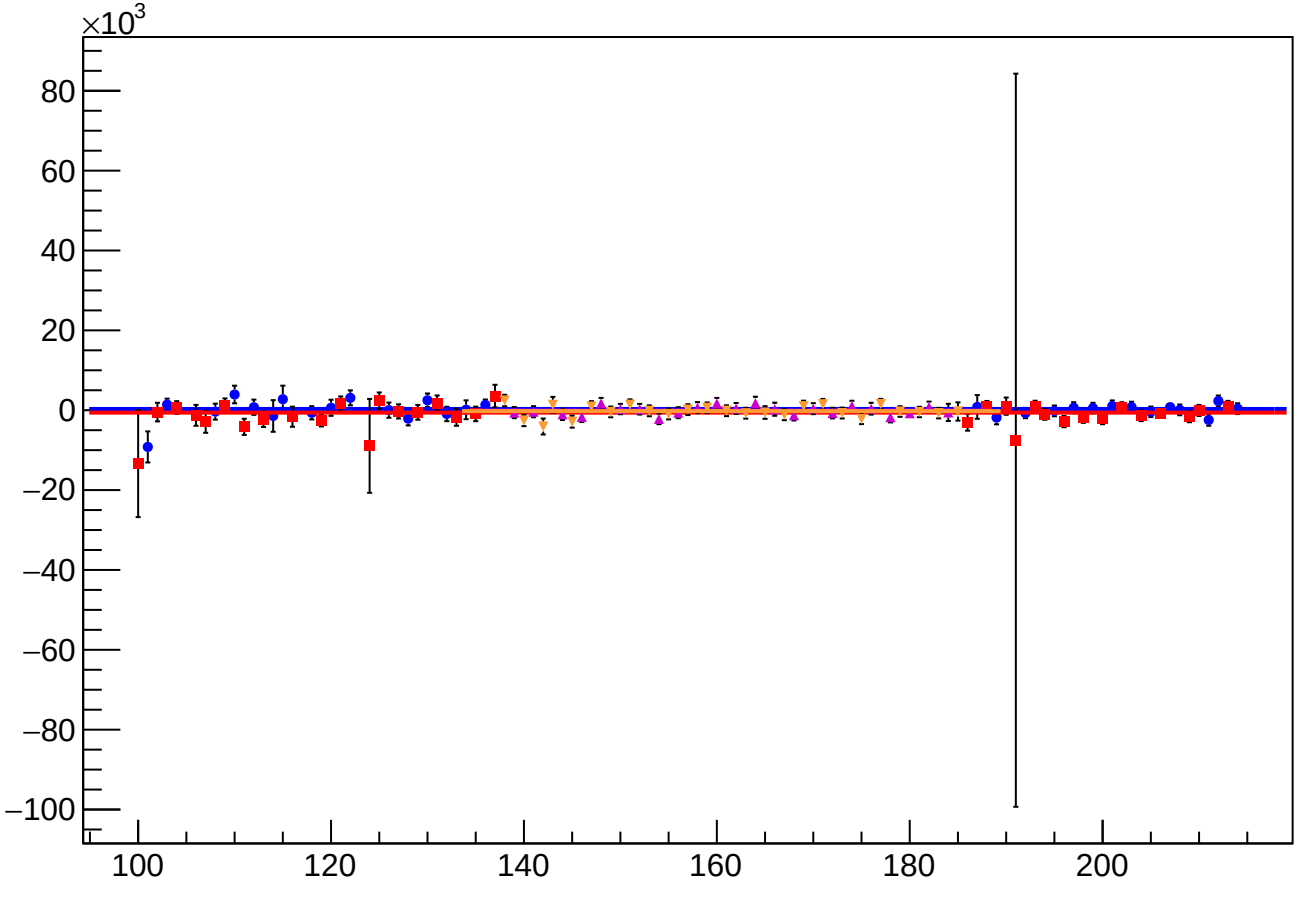
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1195.955+/-0.145 χ^2/NDF: 5490911.5/63

In: 692.548+/-0.087 χ^2/NDF:10031340.4/52

Out: 698.463+/-0.087 χ^2/NDF:11807506.6/58

All: 695.506+/-0.062 χ^2/NDF: 21841141.7/11



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

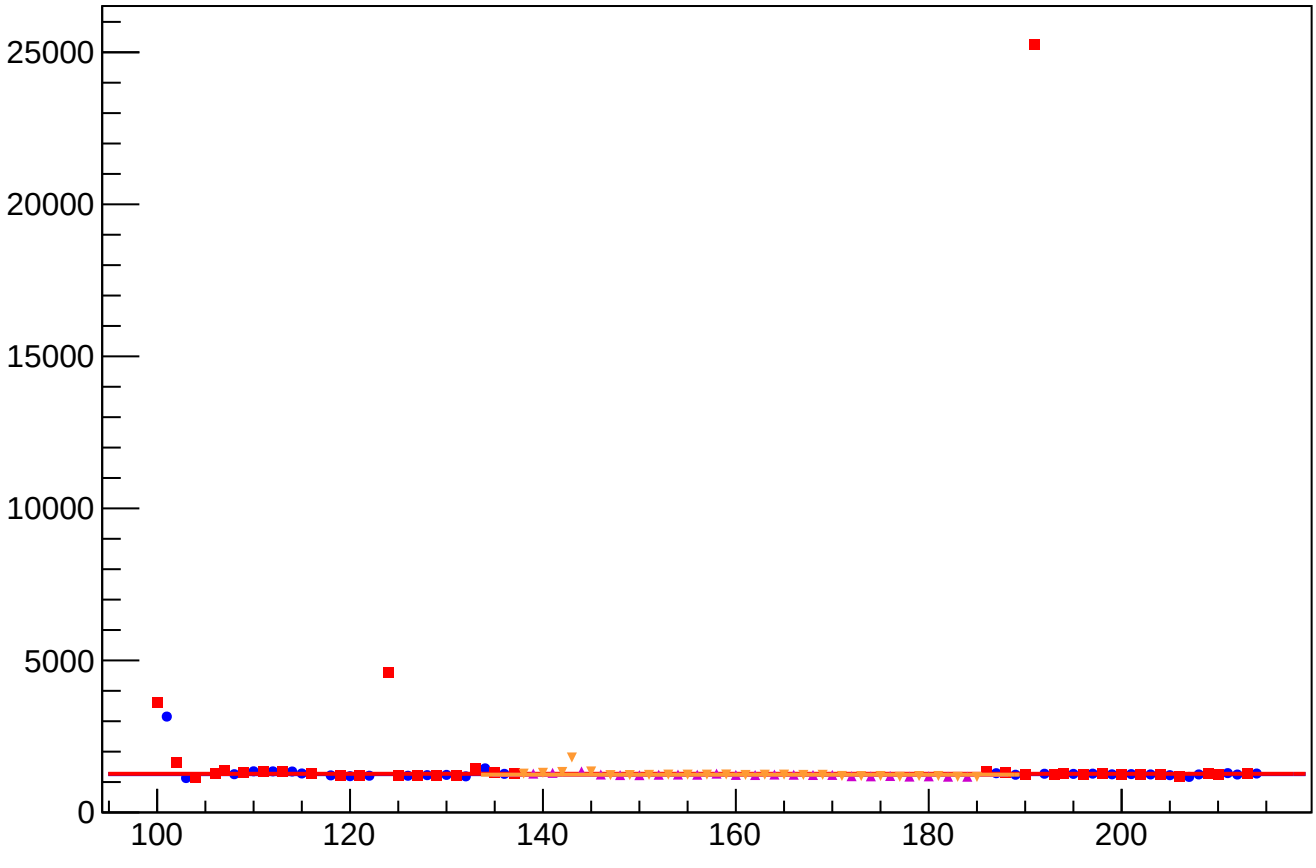
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -141.405+/-209.605 χ^2/NDF: 60.7/63

In: 108.377+/-206.698 χ^2/NDF:42.0/52

Out: -403.092+/-204.659 χ^2/NDF:54.3/58

All: -149.893+/-145.431 χ^2/NDF: 99.4/111



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

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

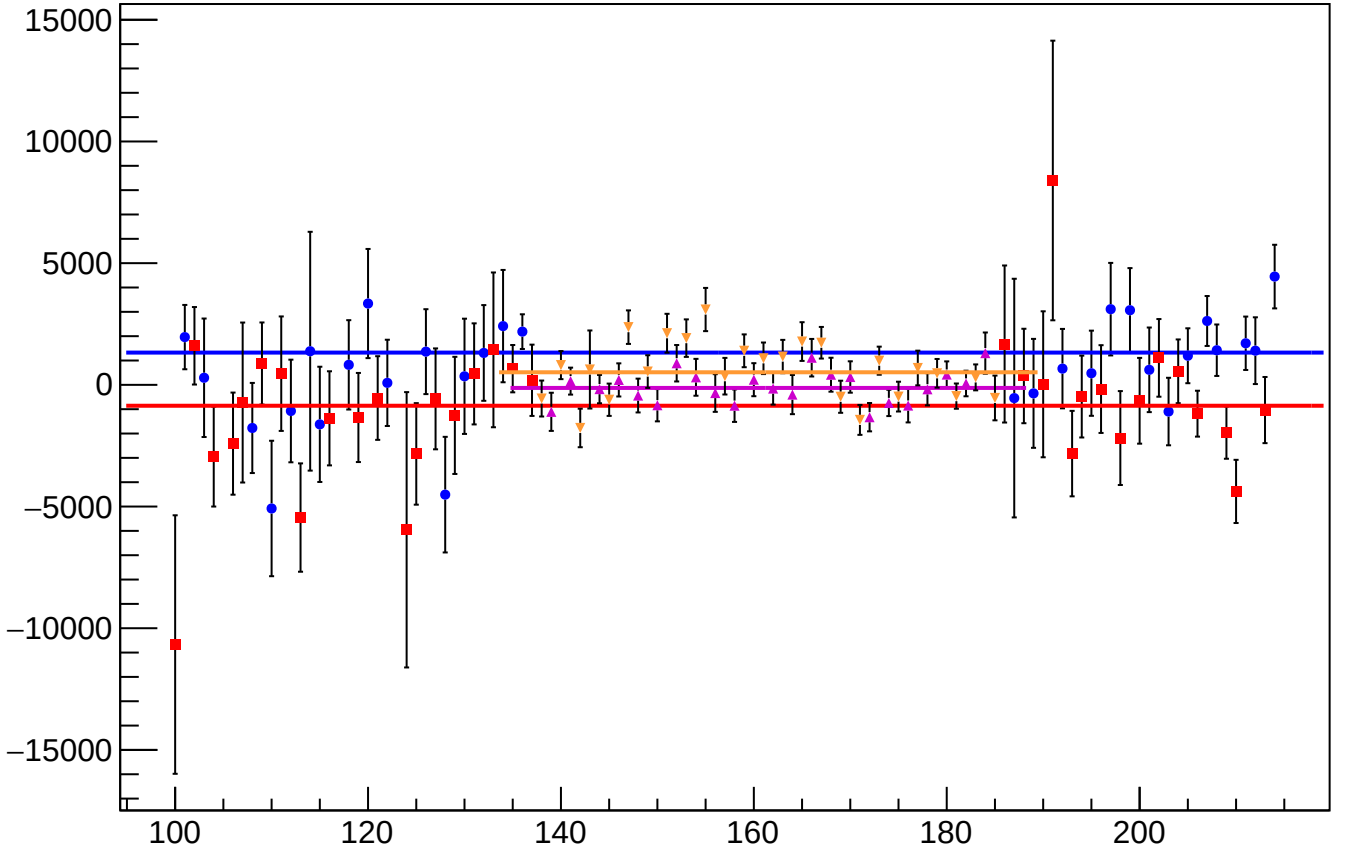
Right: 1265.627+/-0.148 χ^2/NDF: 1030918.6/63

In: 1246.510+/-0.146 χ^2/NDF:583003.3/52

Out: 1256.375+/-0.145 χ^2/NDF:706742.7/58

All: 1251.492+/-0.103 χ^2/NDF: 1292046.4/11

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

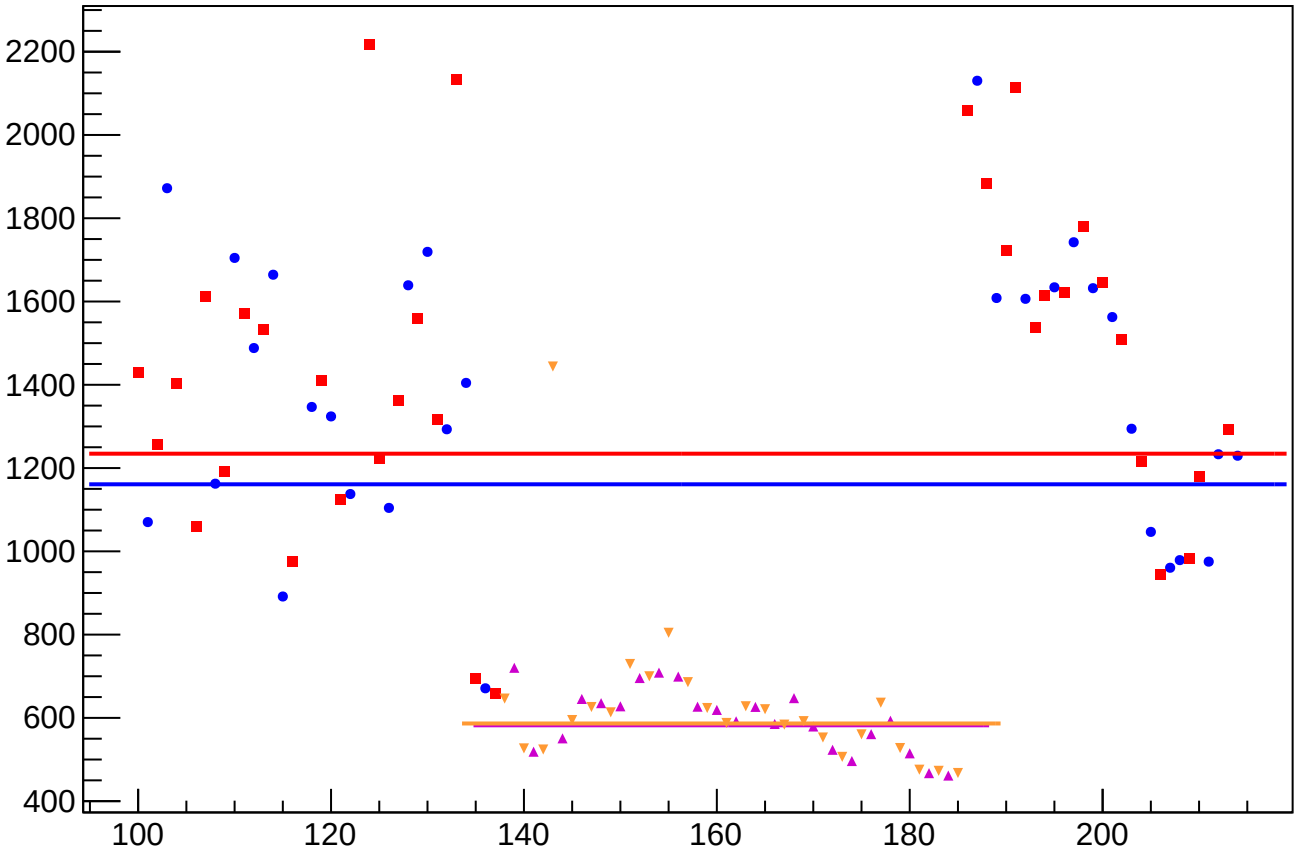
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 287.528+/-204.846 χ^2/NDF: 98.4/63

In: 150.357+/-123.489 χ^2/NDF:77.2/52

Out: 279.316+/-123.470 χ^2/NDF:120.5/58

All: 214.846+/-87.313 χ^2/NDF: 198.2/111



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

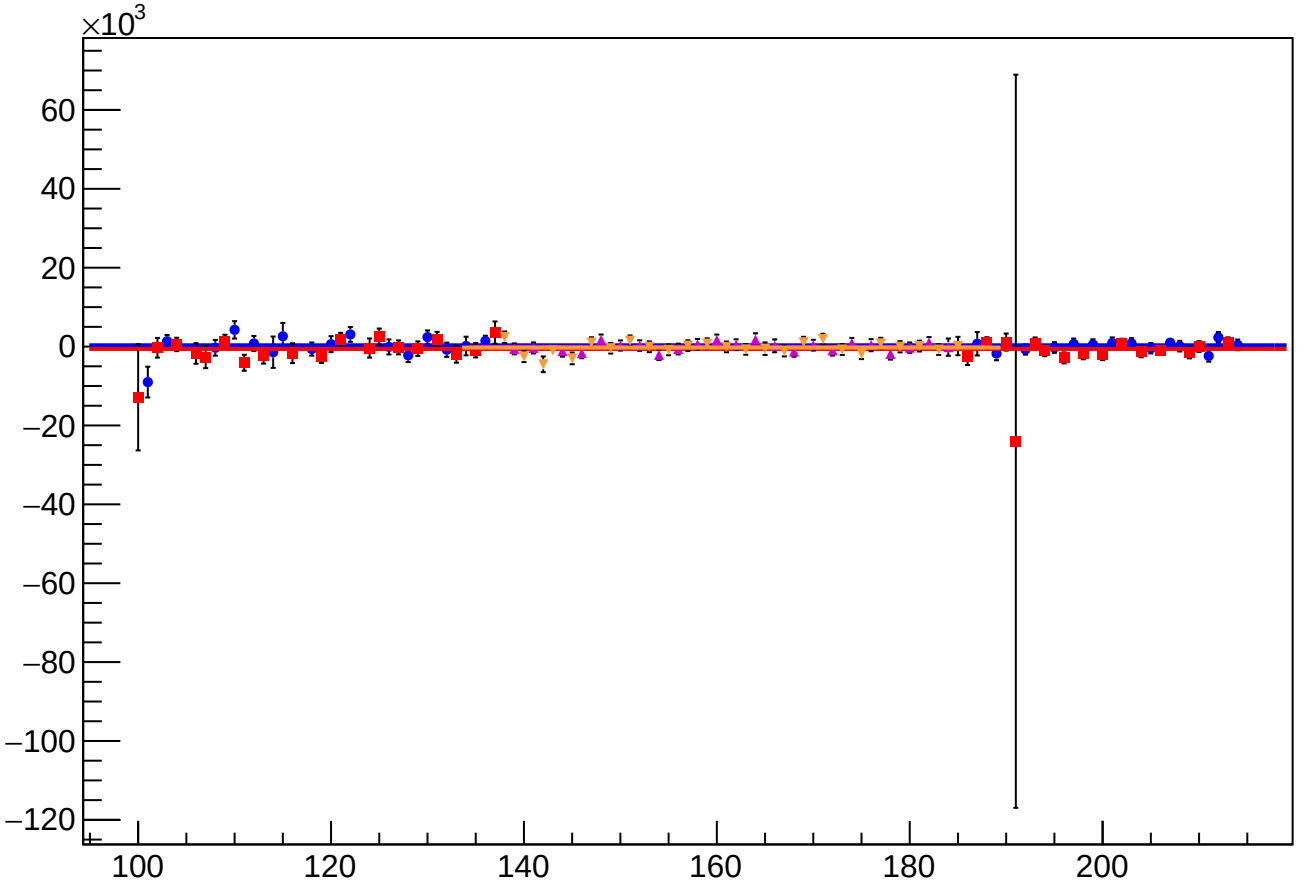
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1195.955+/-0.145 χ^2/NDF: 5490911.5/63

In: 692.548+/-0.087 χ^2/NDF:10031340.4/52

Out: 698.463+/-0.087 χ^2/NDF:11807506.6/58

All: 695.506+/-0.062 χ^2/NDF: 21841141.7/1



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

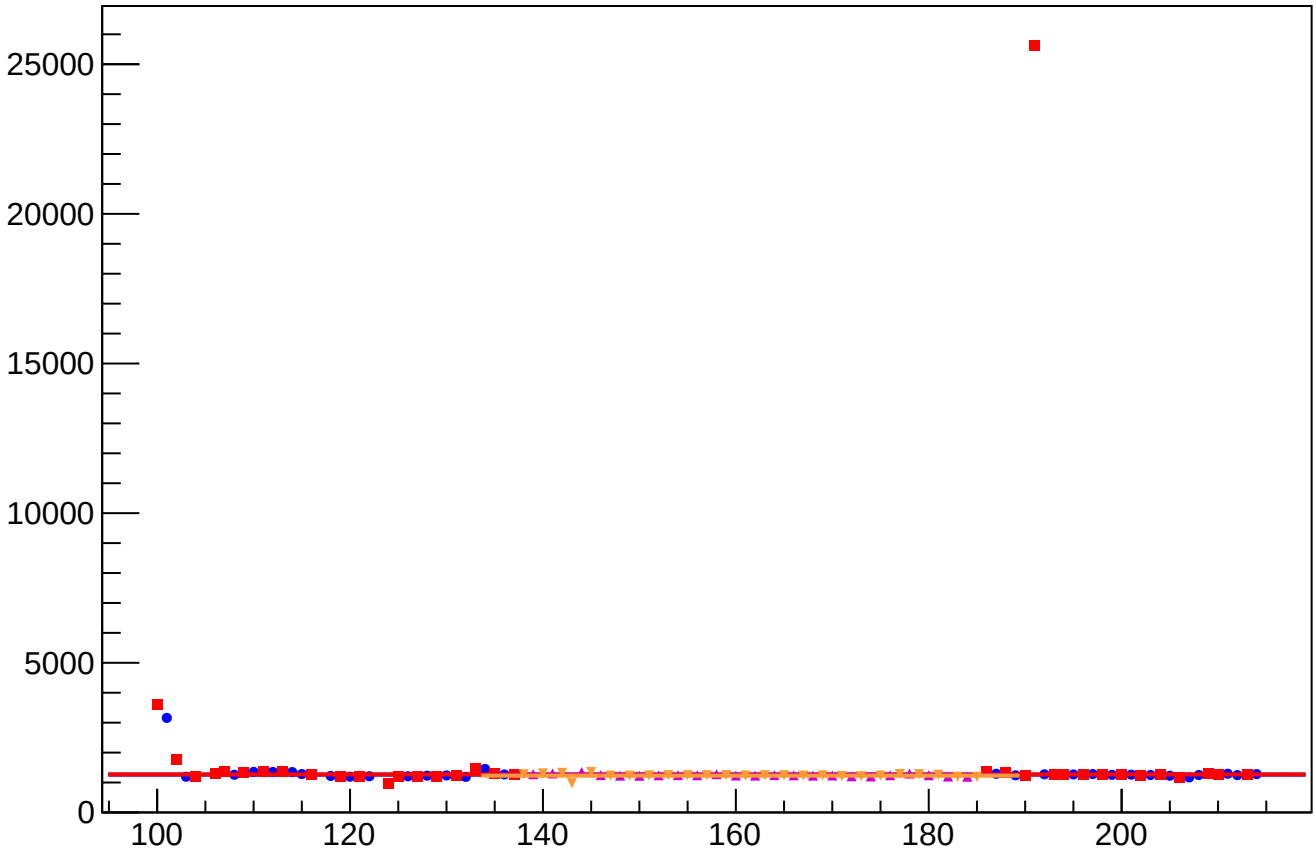
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -139.133+/-209.684 χ^2/NDF: 60.2/63

In: 122.559+/-208.199 χ^2/NDF:41.3/52

Out: -416.166+/-203.243 χ^2/NDF:53.8/58

All: -153.291+/-145.435 χ^2/NDF: 98.4/111



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

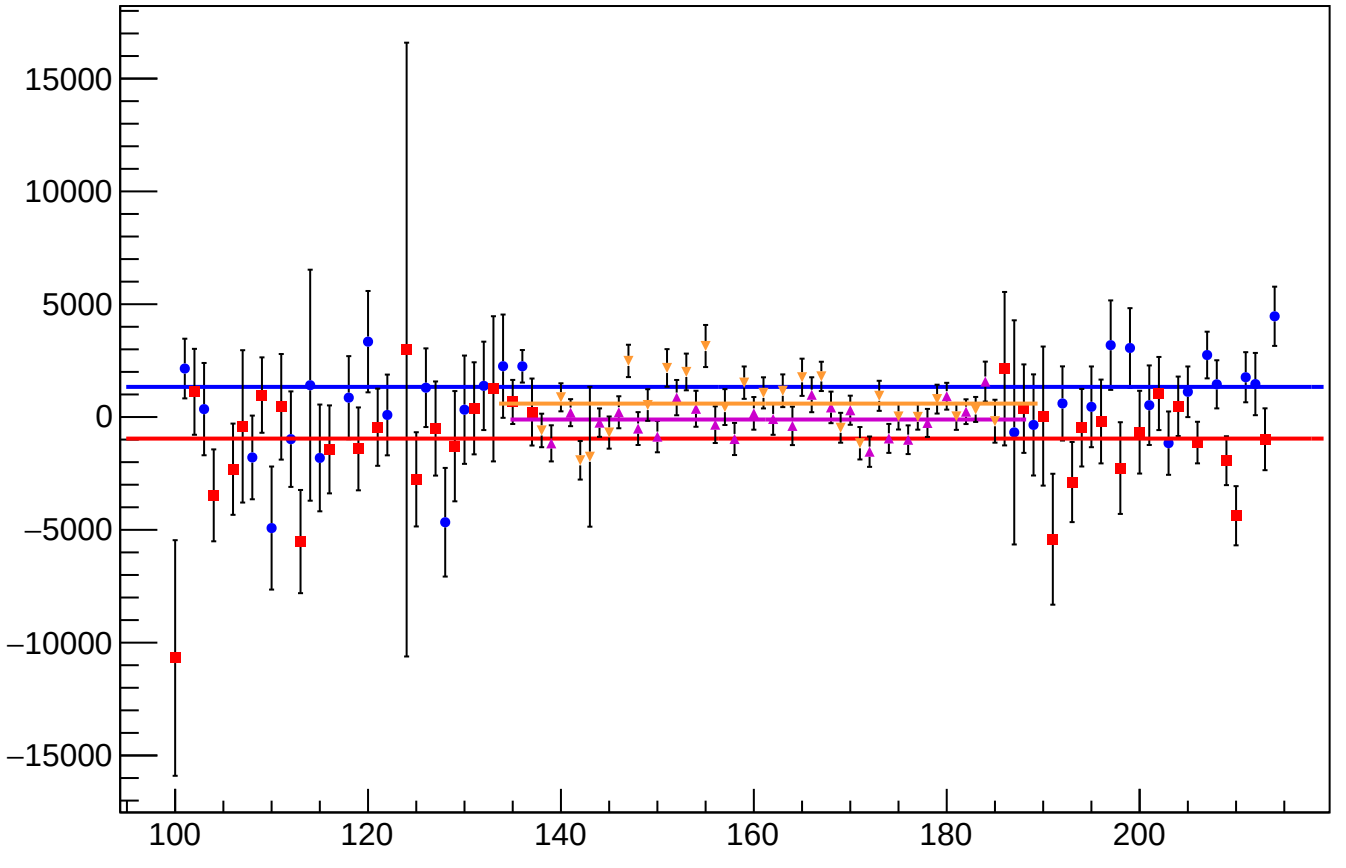
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1266.972+/-0.148 χ^2/NDF: 910914.7/63

In: 1255.766+/-0.147 χ^2/NDF:555841.1/52

Out: 1248.822+/-0.144 χ^2/NDF:545862.1/58

All: 1252.211+/-0.103 χ^2/NDF: 1102842.5/11



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

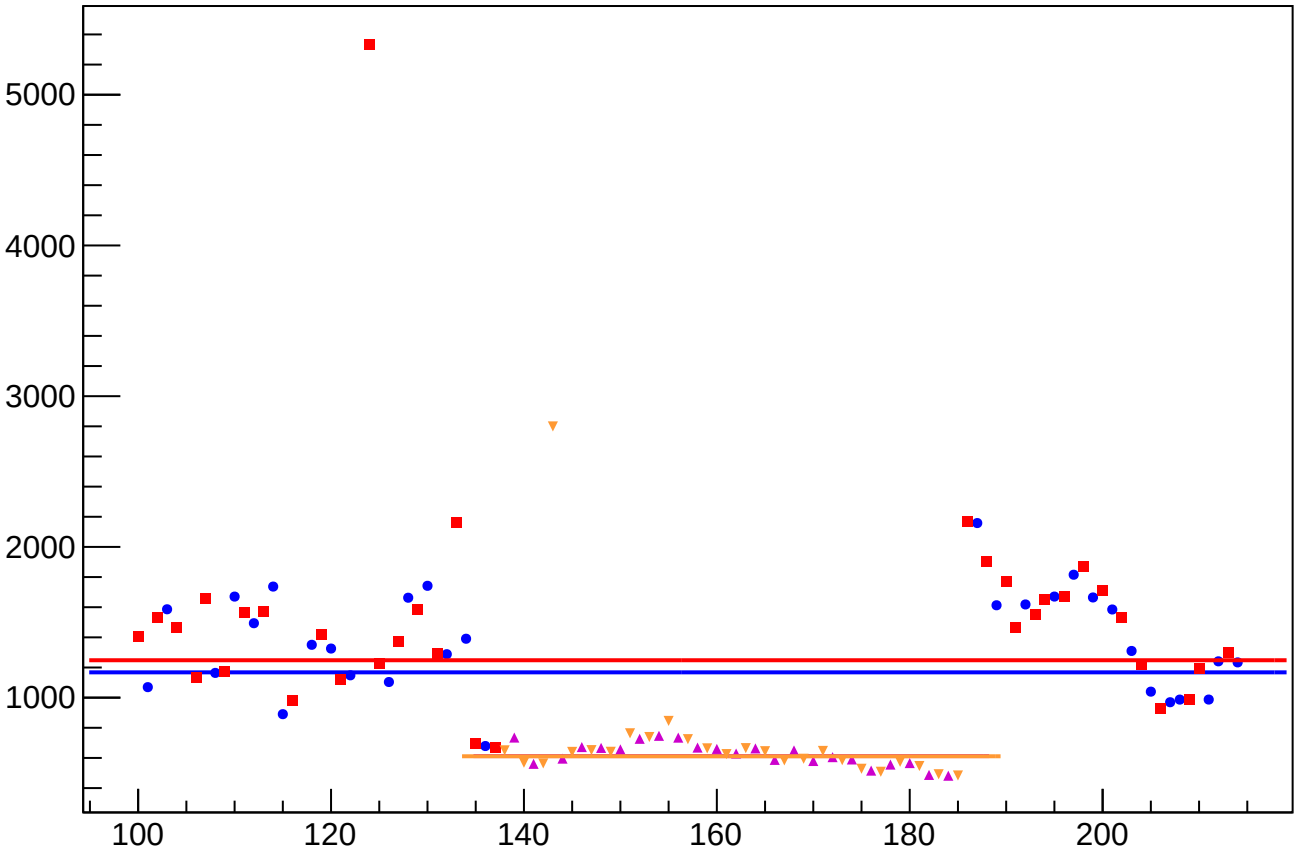
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 250.150+/-206.174 χ^2/NDF: 99.8/63

In: 185.861+/-128.617 χ^2/NDF:81.6/52

Out: 310.049+/-128.409 χ^2/NDF:112.9/58

All: 248.055+/-90.872 χ^2/NDF: 195.0/111



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

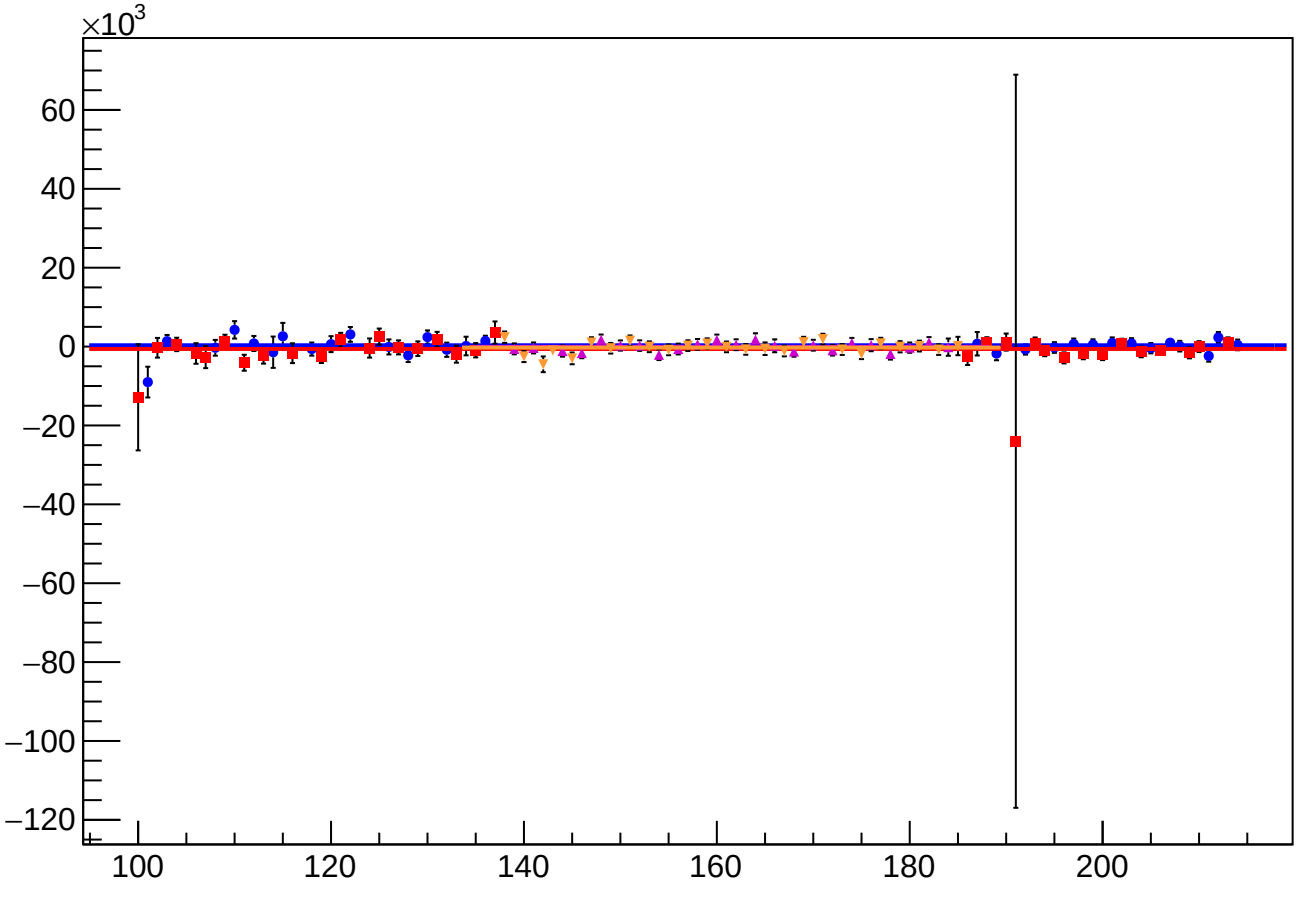
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1205.897+/-0.146 χ^2/NDF: 5736763.6/63

In: 726.162+/-0.091 χ^2/NDF:9214016.7/52

Out: 728.153+/-0.091 χ^2/NDF:12033909.7/58

All: 727.159+/-0.064 χ^2/NDF: 21248166.5/1



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

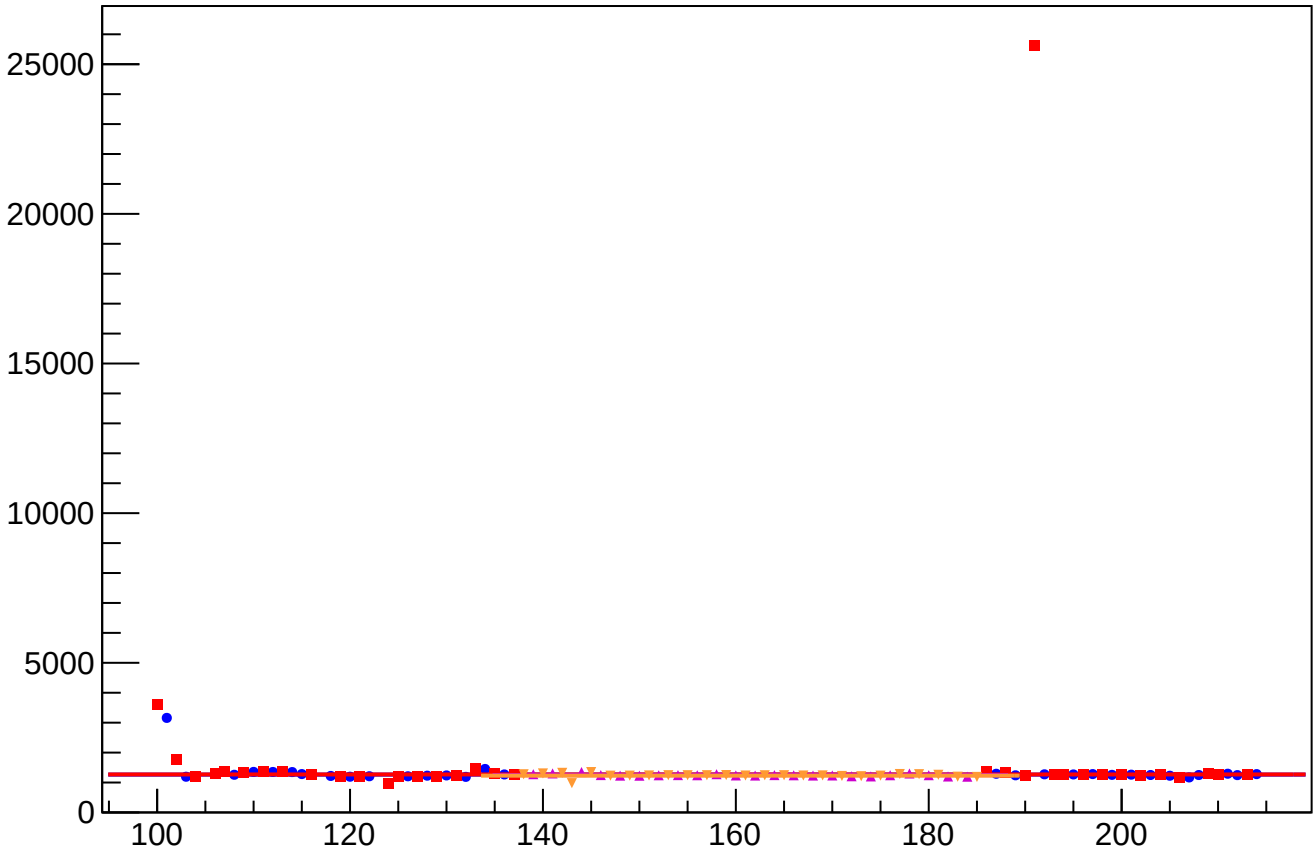
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -139.133+/-209.684 χ^2/NDF: 60.2/63

In: 122.558+/-208.199 χ^2/NDF:41.3/52

Out: -416.166+/-203.243 χ^2/NDF:53.8/58

All: -153.292+/-145.435 χ^2/NDF: 98.4/111



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

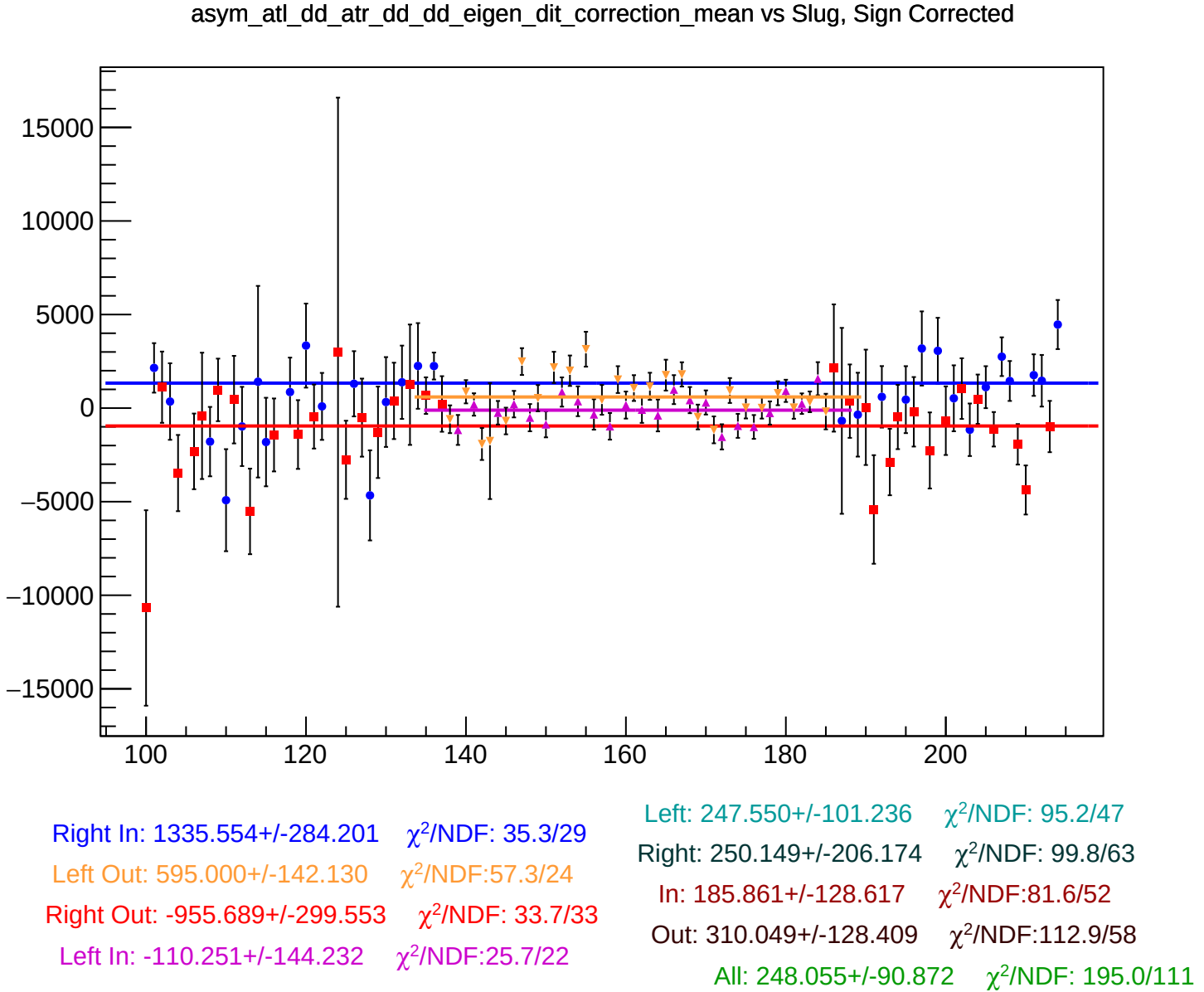
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

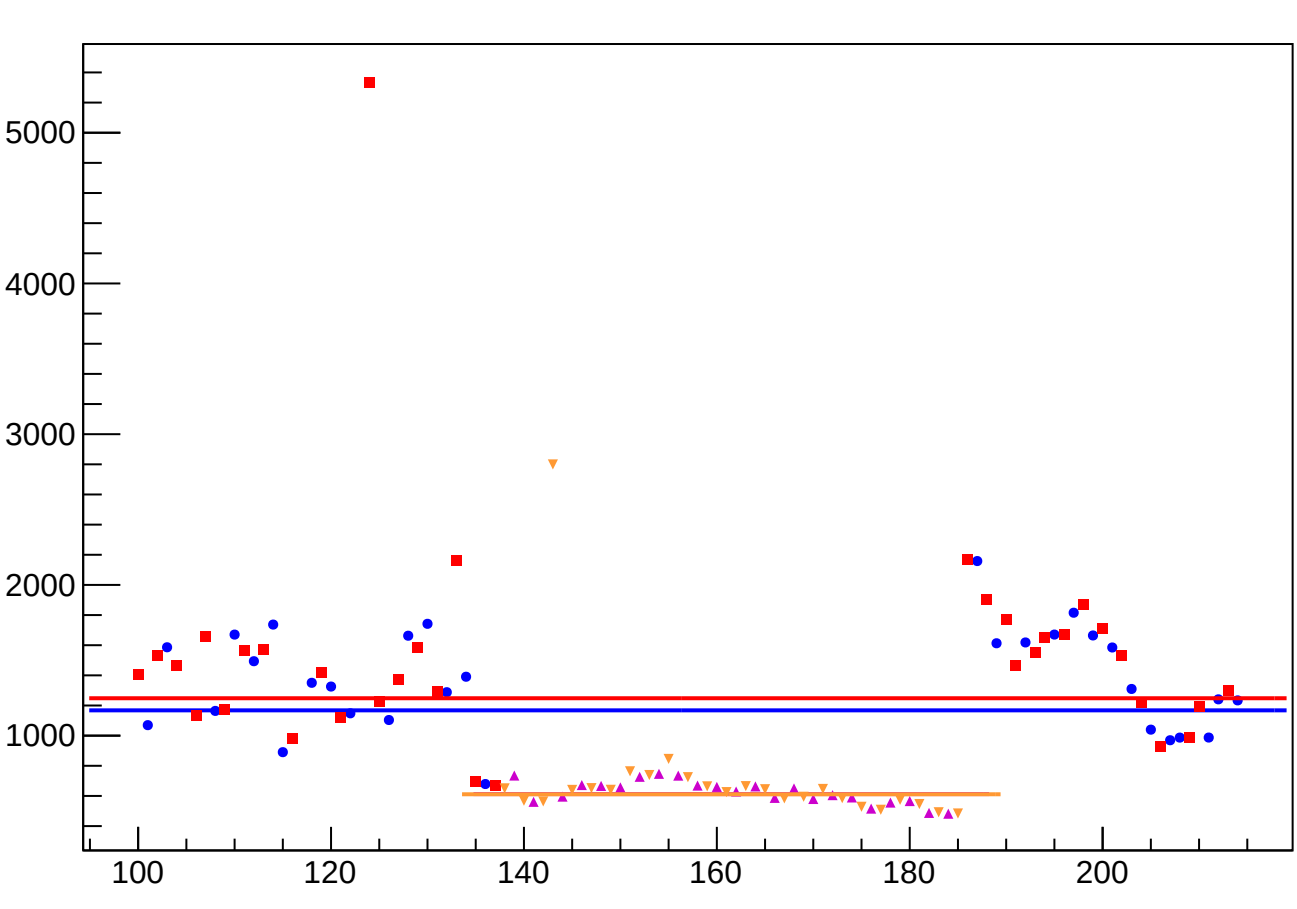
Right: 1266.972+/-0.148 χ^2/NDF: 910914.5/63

In: 1255.766+/-0.147 χ^2/NDF:555841.1/52

Out: 1248.822+/-0.144 χ^2/NDF:545861.0/58

All: 1252.210+/-0.103 χ^2/NDF: 1102841.4/11


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1335.554+/-284.201 χ²/NDF: 35.3/29
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -955.689+/-299.553 χ²/NDF: 33.7/33
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 250.149+/-206.174 χ²/NDF: 99.8/63
In: 185.861+/-128.617 χ²/NDF:81.6/52
Out: 310.049+/-128.409 χ²/NDF:112.9/58
All: 248.055+/-90.872 χ²/NDF: 195.0/111



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

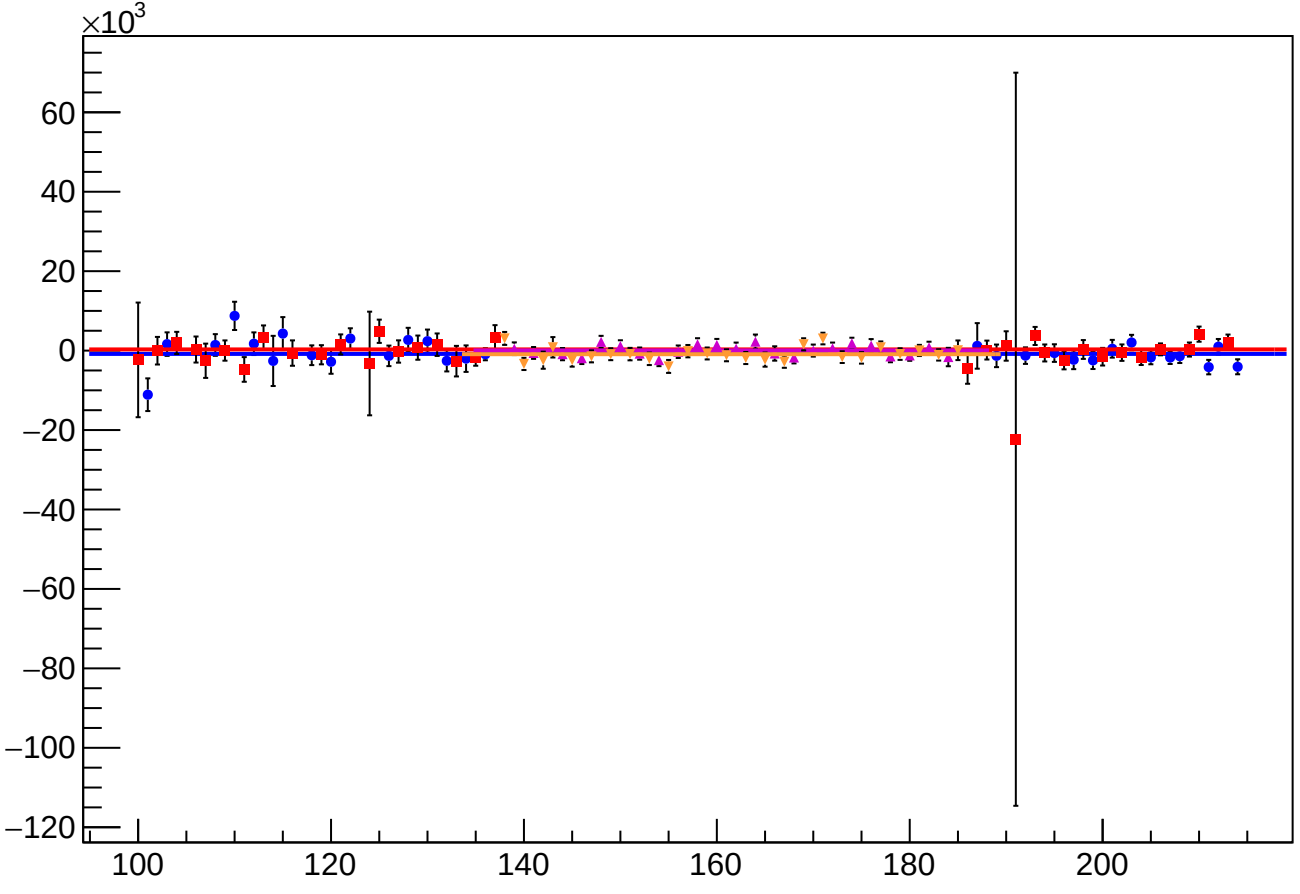
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1205.899+/-0.146 χ^2/NDF: 5736650.6/63

In: 726.161+/-0.091 χ^2/NDF:9214002.0/52

Out: 728.153+/-0.091 χ^2/NDF:12033901.6/58

All: 727.159+/-0.064 χ^2/NDF: 21248143.9/1



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

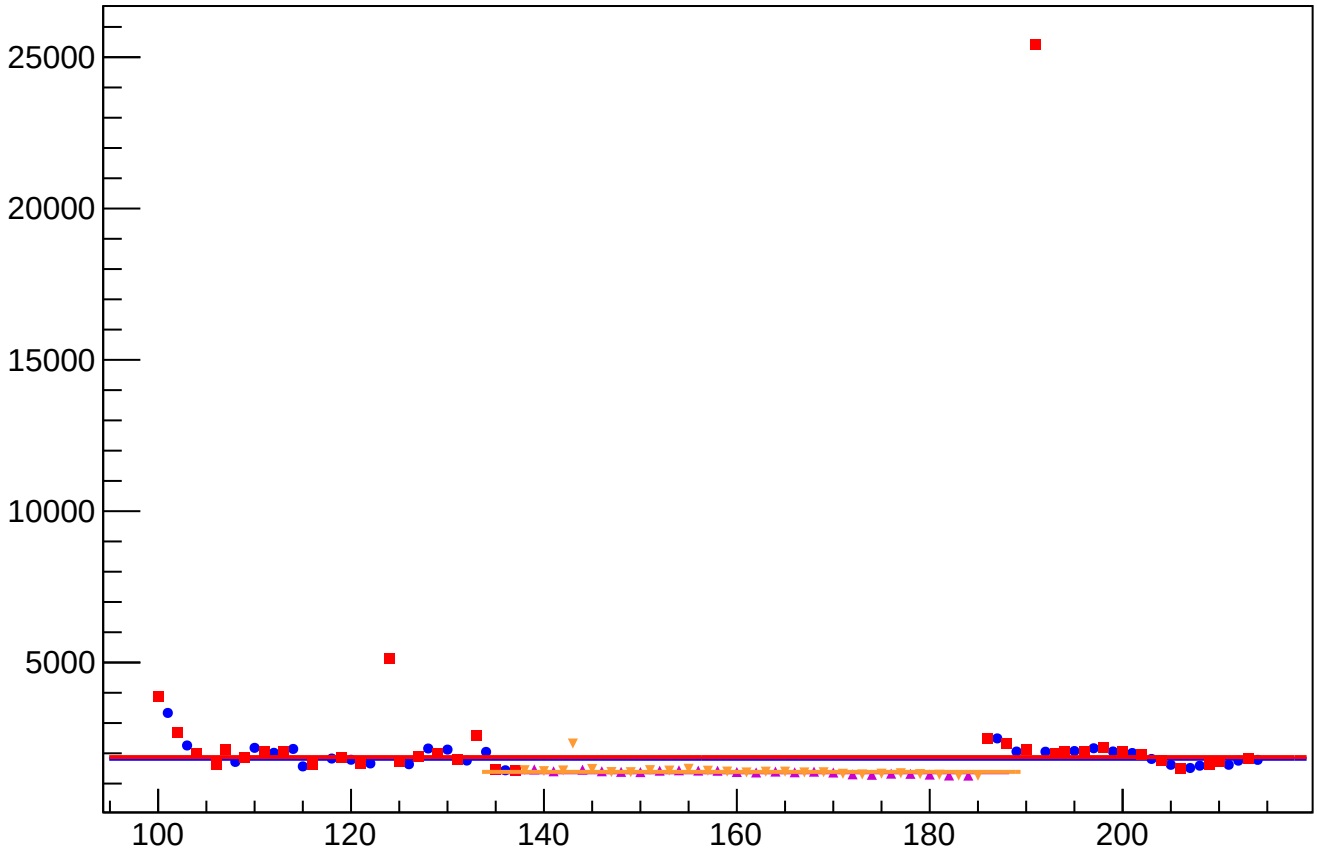
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -276.891+/-307.841 χ^2/NDF: 60.7/63

In: -265.424+/-257.369 χ^2/NDF:55.1/52

Out: -490.632+/-256.913 χ^2/NDF:57.5/58

All: -378.228+/-181.826 χ^2/NDF: 113.0/111



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

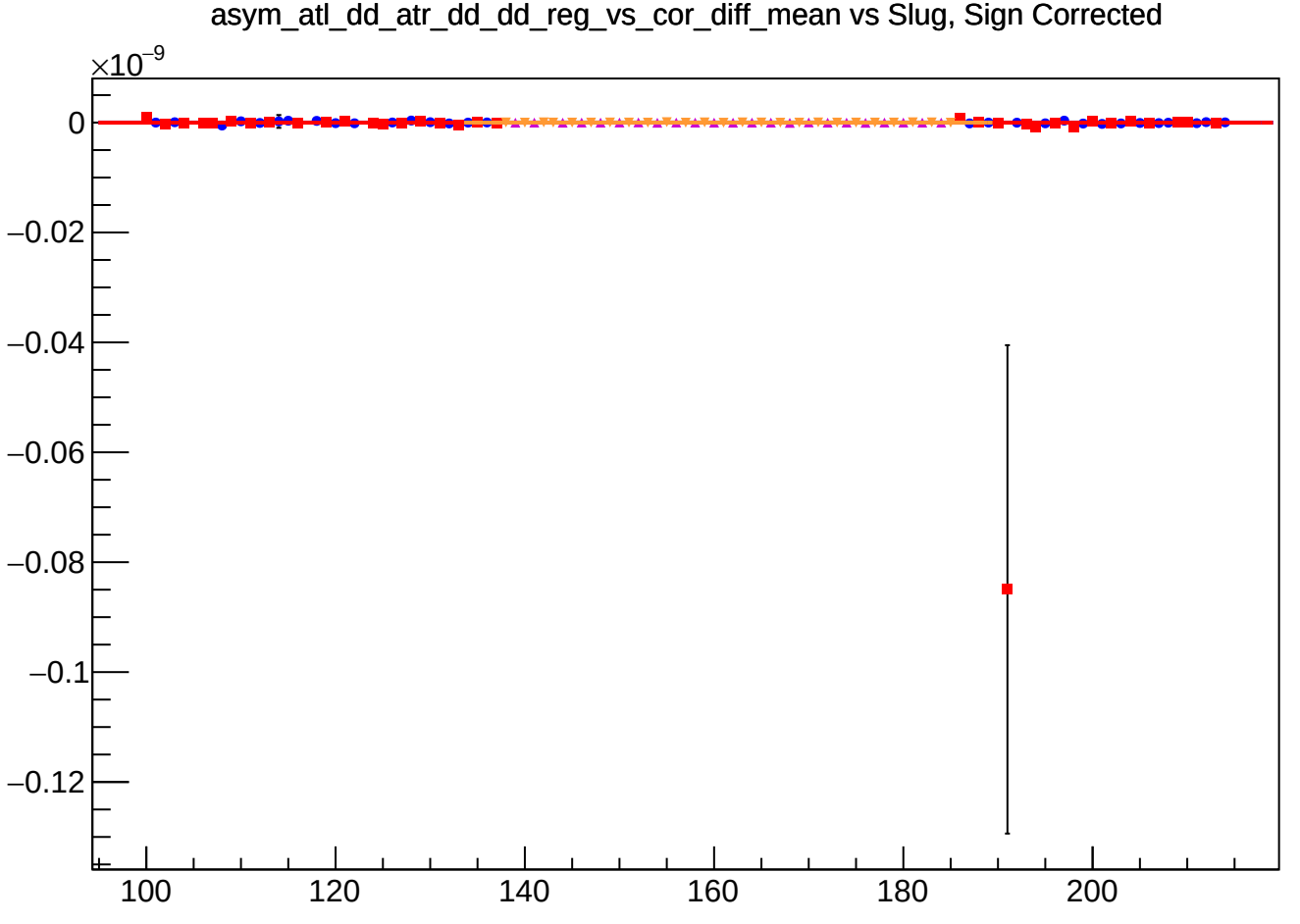
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1846.435+/-0.218 χ^2/NDF: 1961062.8/63

In: 1532.376+/-0.182 χ^2/NDF:2335829.1/52

Out: 1553.198+/-0.182 χ^2/NDF:3012877.7/58

All: 1542.806+/-0.129 χ^2/NDF: 5355263.8/11



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

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

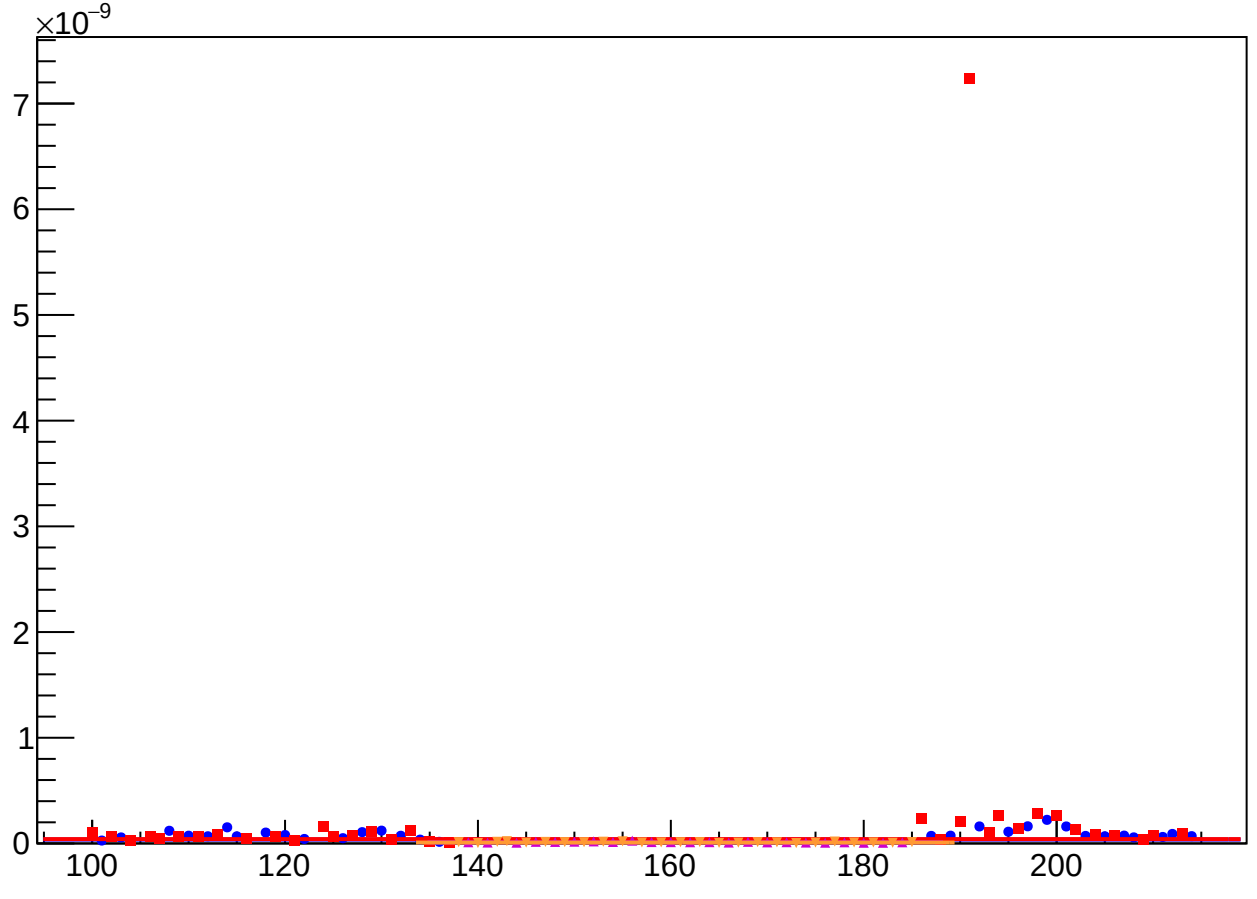
Right: -0.000+/-0.000 χ^2/NDF: 74.6/63

In: 0.000+/-0.000 χ^2/NDF:38.5/52

Out: 0.000+/-0.000 χ^2/NDF:74.6/58

All: 0.000+/-0.000 χ^2/NDF: 113.2/111

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

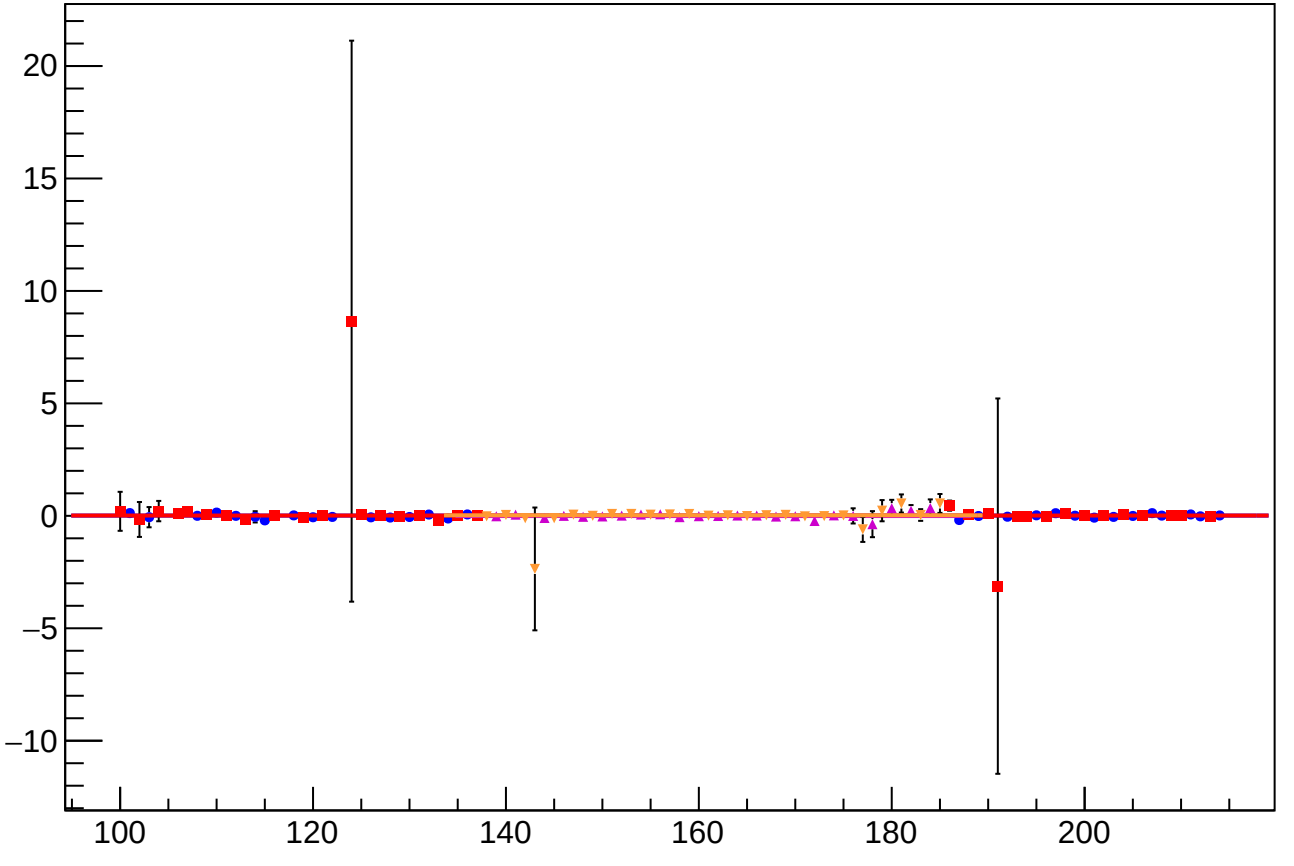
Right: 0.000+/-0.000 χ^2/NDF: 13620613.2/63

In: 0.000+/-0.000 χ^2/NDF:12440584.1/52

Out: 0.000+/-0.000 χ^2/NDF:14676537.2/58

All: 0.000+/-0.000 χ^2/NDF: 27456476.7/111

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

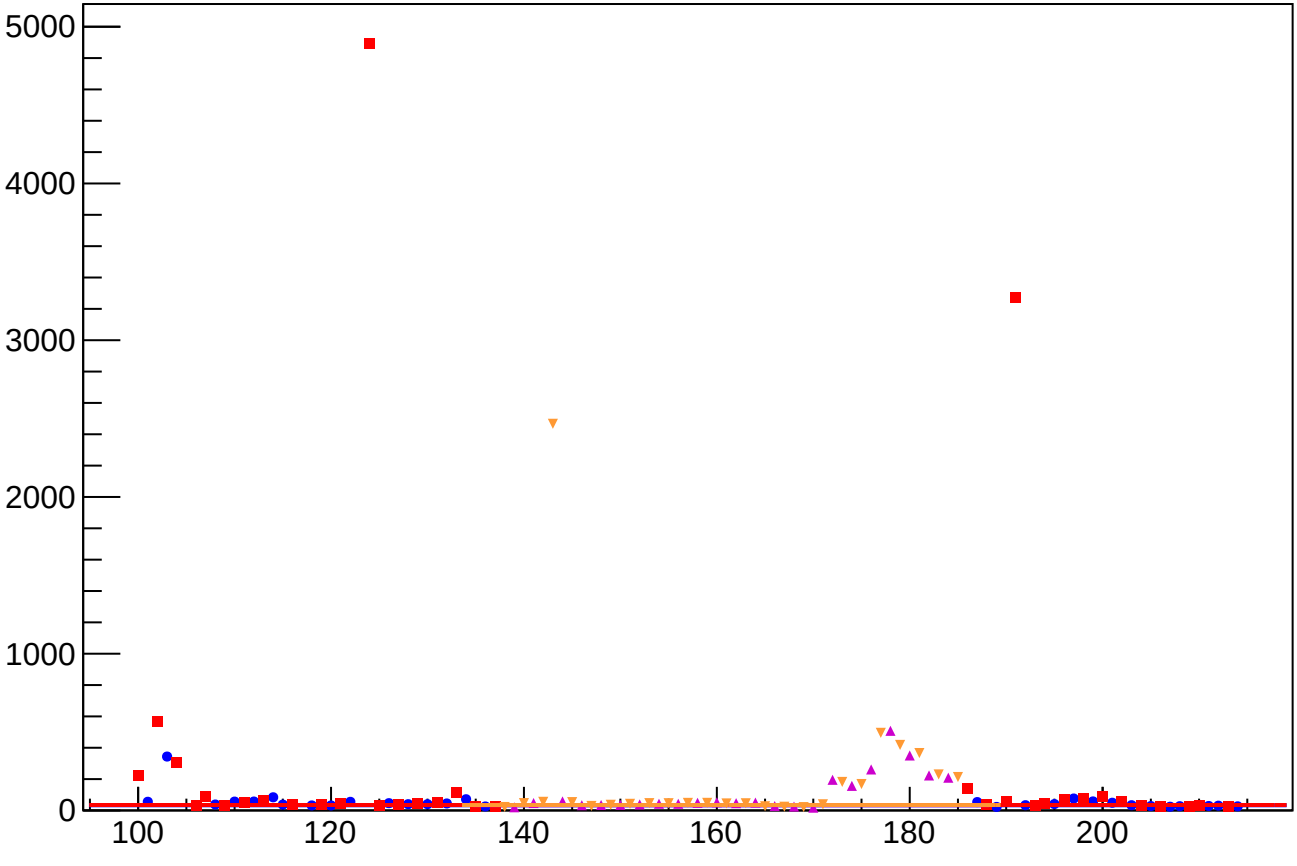
Right: 0.012+/-0.007 χ^2/NDF: 69.1/63

In: 0.002+/-0.007 χ^2/NDF:62.2/52

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/111

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

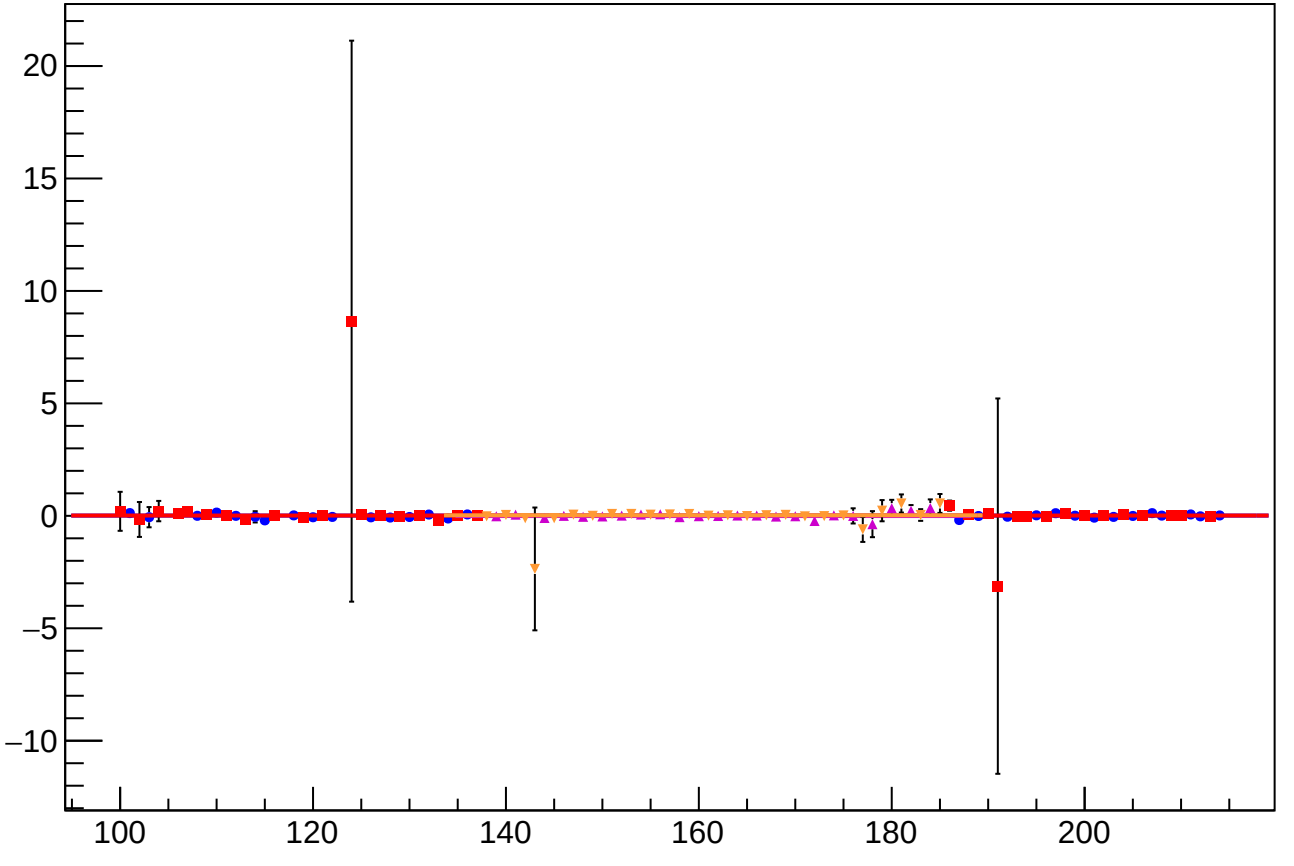
Right: 33.839+/-0.005 χ^2/NDF: 10256081.5/63

In: 33.256+/-0.005 χ^2/NDF:13803737.6/52

Out: 34.737+/-0.005 χ^2/NDF:17887051.2/58

All: 33.956+/-0.003 χ^2/NDF: 31737867.9/111

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

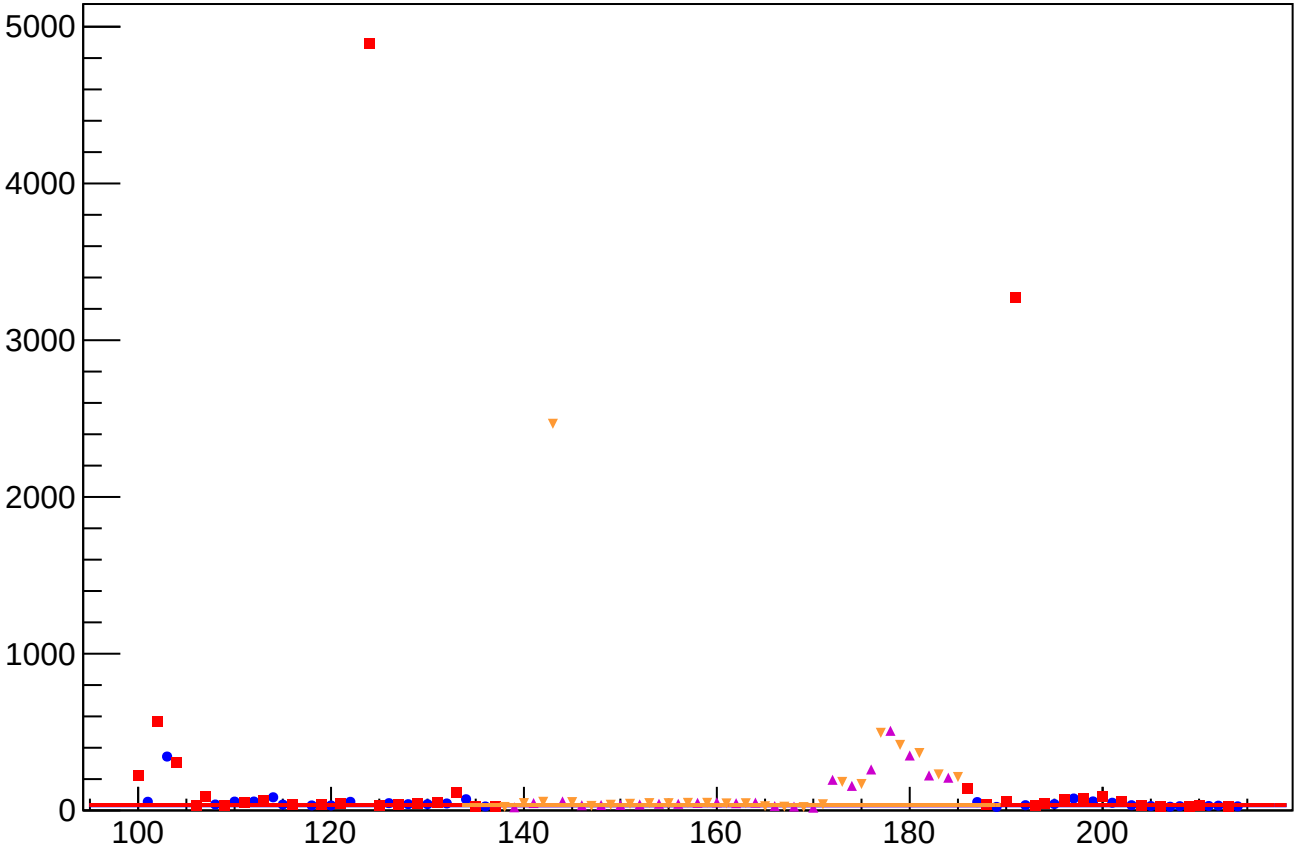
Right: 0.012+/-0.007 χ^2/NDF: 69.1/63

In: 0.002+/-0.007 χ^2/NDF:62.2/52

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/111

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

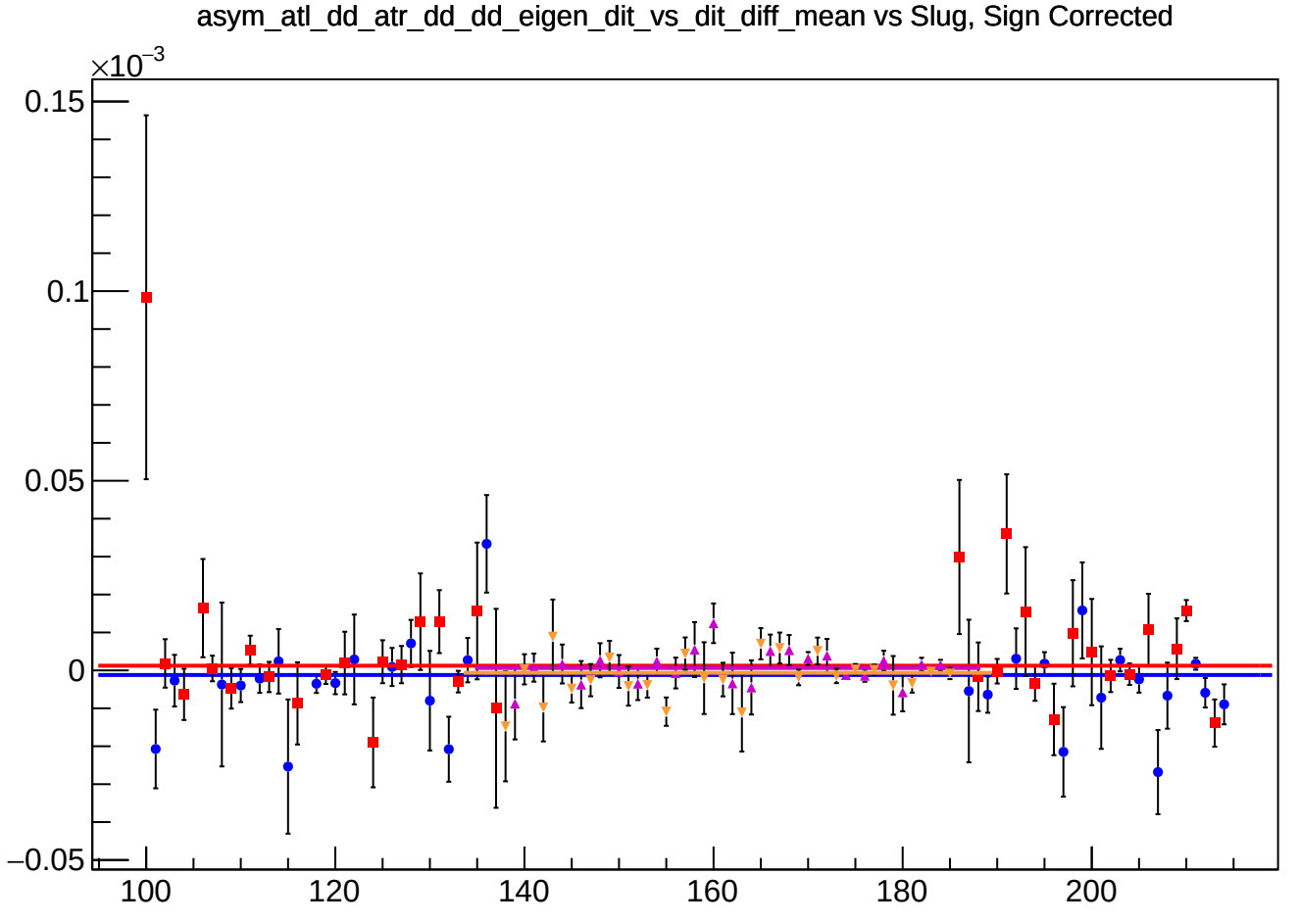
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 33.839+/-0.005 χ^2/NDF: 10256081.5/63

In: 33.256+/-0.005 χ^2/NDF:13803737.6/52

Out: 34.737+/-0.005 χ^2/NDF:17887051.2/58

All: 33.956+/-0.003 χ^2/NDF: 31737867.9/111



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

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

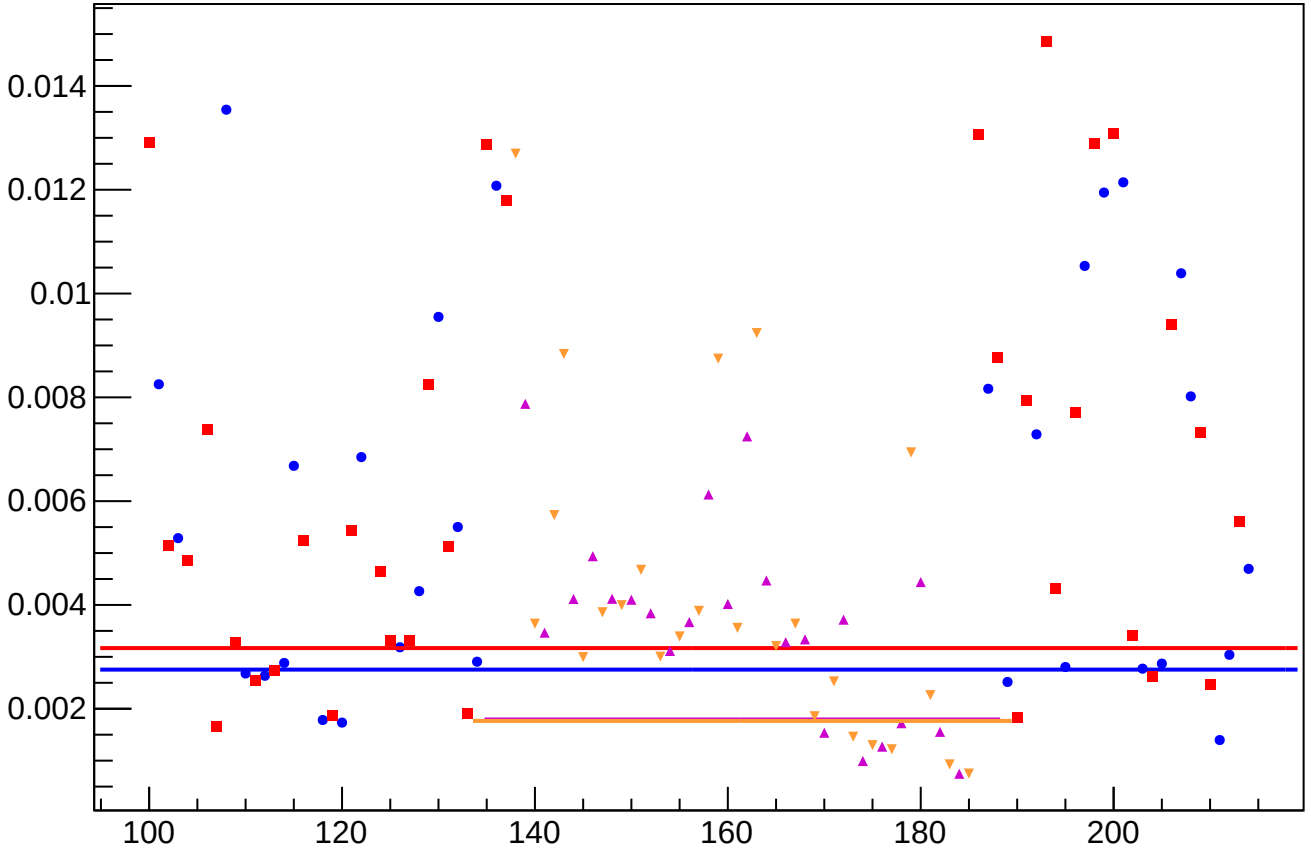
Right: -0.000+/-0.000 χ^2/NDF: 116.8/63

In: 0.000+/-0.000 χ^2/NDF:70.5/52

Out: -0.000+/-0.000 χ^2/NDF:99.4/58

All: -0.000+/-0.000 χ^2/NDF: 170.0/111

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

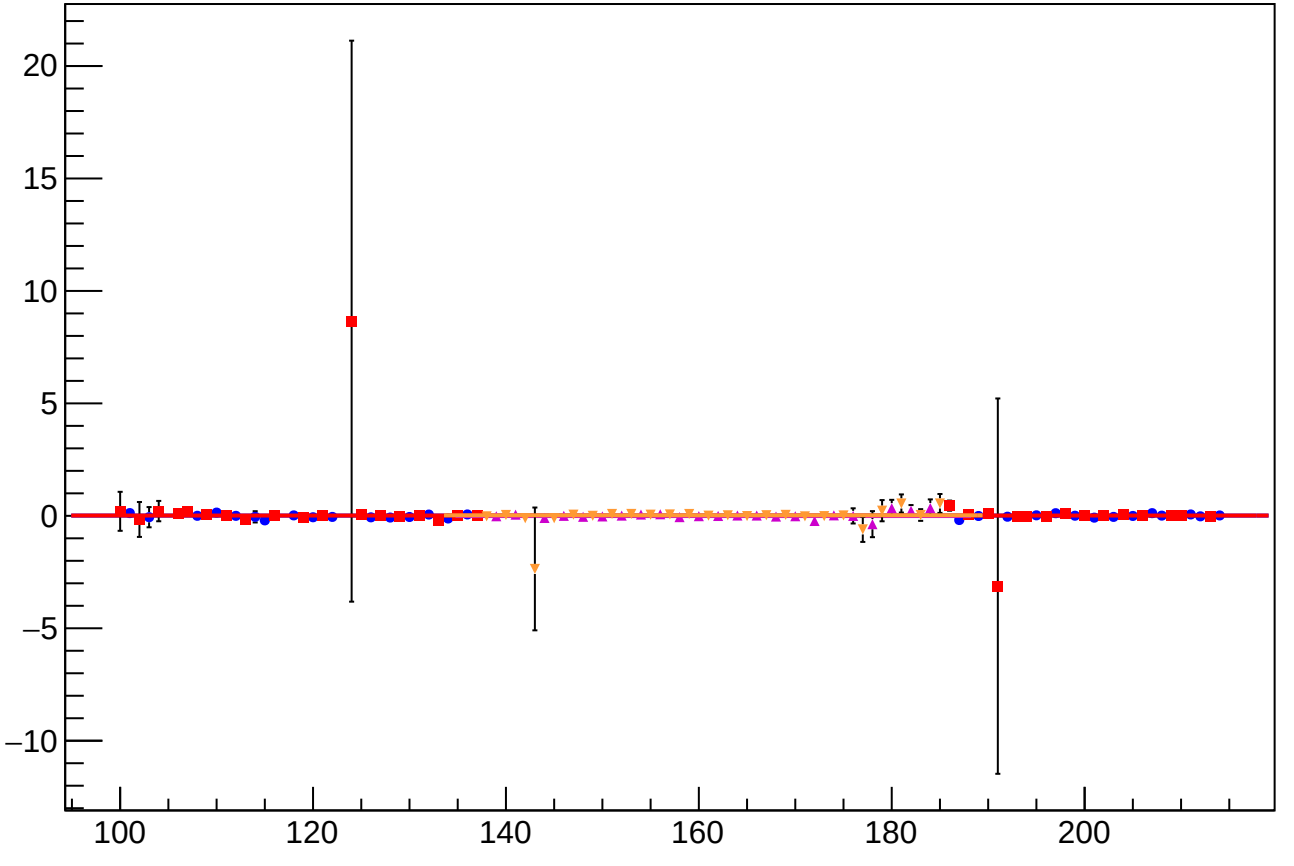
Right: 0.003+/-0.000 χ^2/NDF: 22295044.3/63

In: 0.002+/-0.000 χ^2/NDF:24009325.7/52

Out: 0.002+/-0.000 χ^2/NDF:27413442.4/58

All: 0.002+/-0.000 χ^2/NDF: 51426954.8/111

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

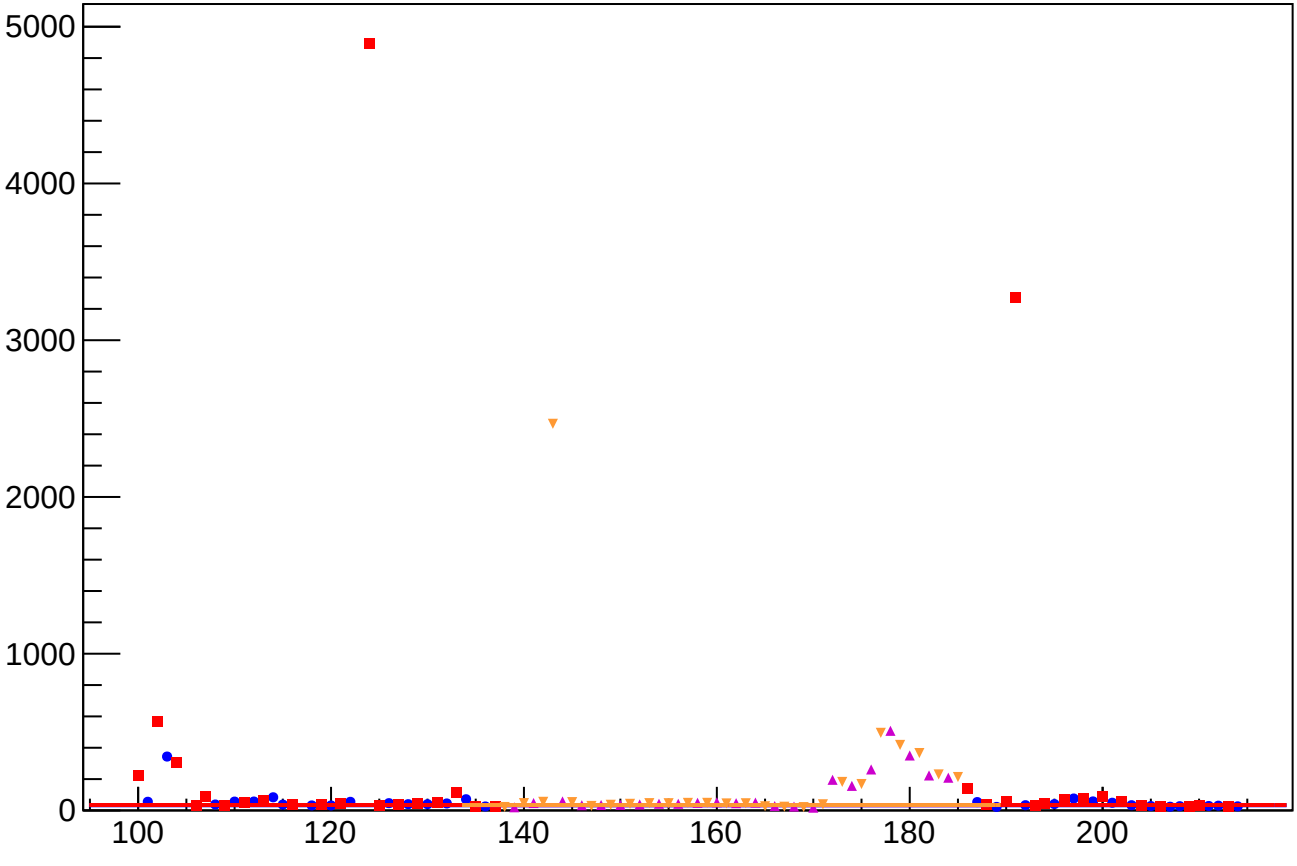
Right: 0.012+/-0.007 χ^2/NDF: 69.1/63

In: 0.002+/-0.007 χ^2/NDF:62.2/52

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/111

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

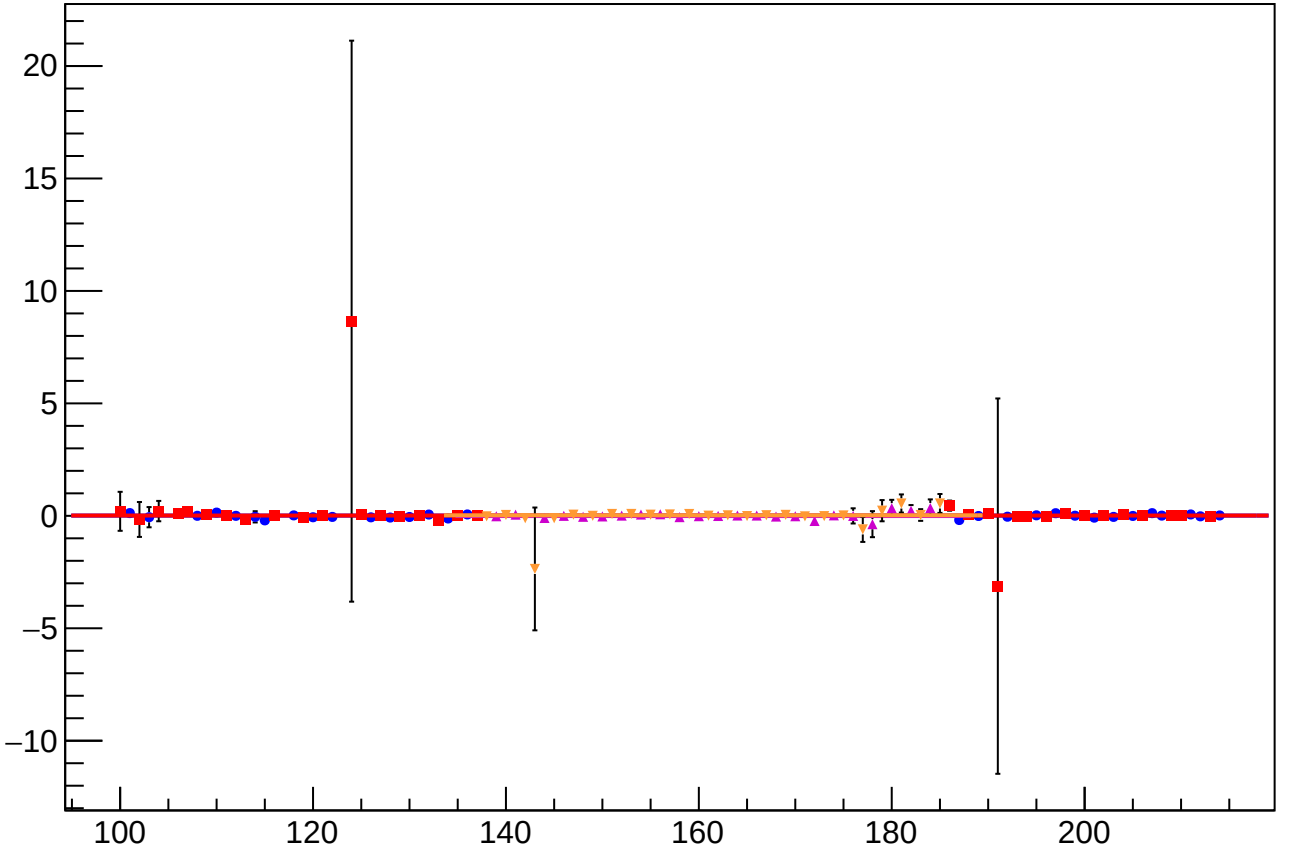
Right: 33.841+/-0.005 χ^2/NDF: 10254678.0/63

In: 33.259+/-0.005 χ^2/NDF:13801213.2/52

Out: 34.736+/-0.005 χ^2/NDF:17887123.1/58

All: 33.957+/-0.003 χ^2/NDF: 31735232.9/111

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

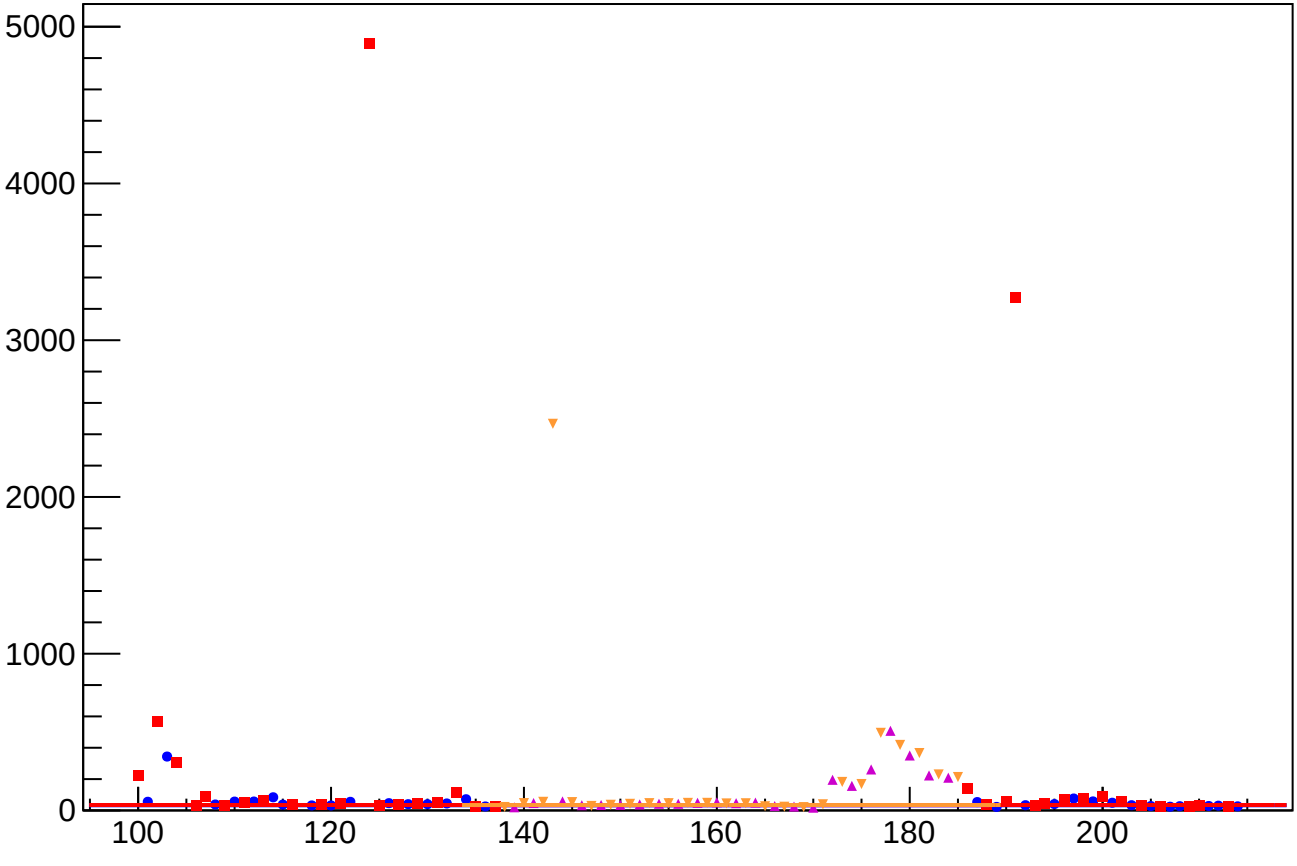
Right: 0.012+/-0.007 χ^2/NDF: 69.1/63

In: 0.002+/-0.007 χ^2/NDF:62.2/52

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/111

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

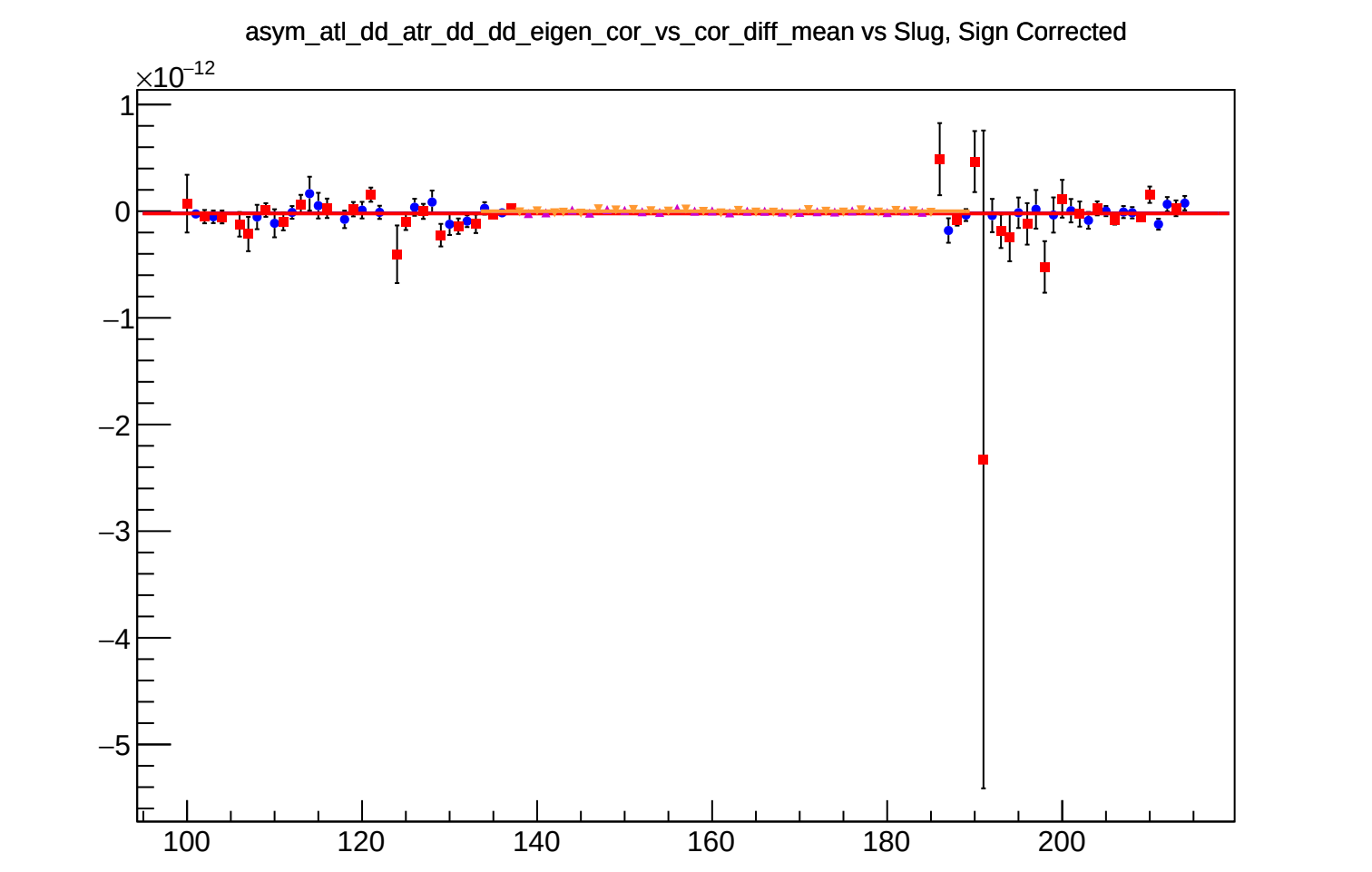
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 33.841+/-0.005 χ^2/NDF: 10254678.0/63

In: 33.259+/-0.005 χ^2/NDF:13801213.2/52

Out: 34.736+/-0.005 χ^2/NDF:17887123.1/58

All: 33.957+/-0.003 χ^2/NDF: 31735232.9/111



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

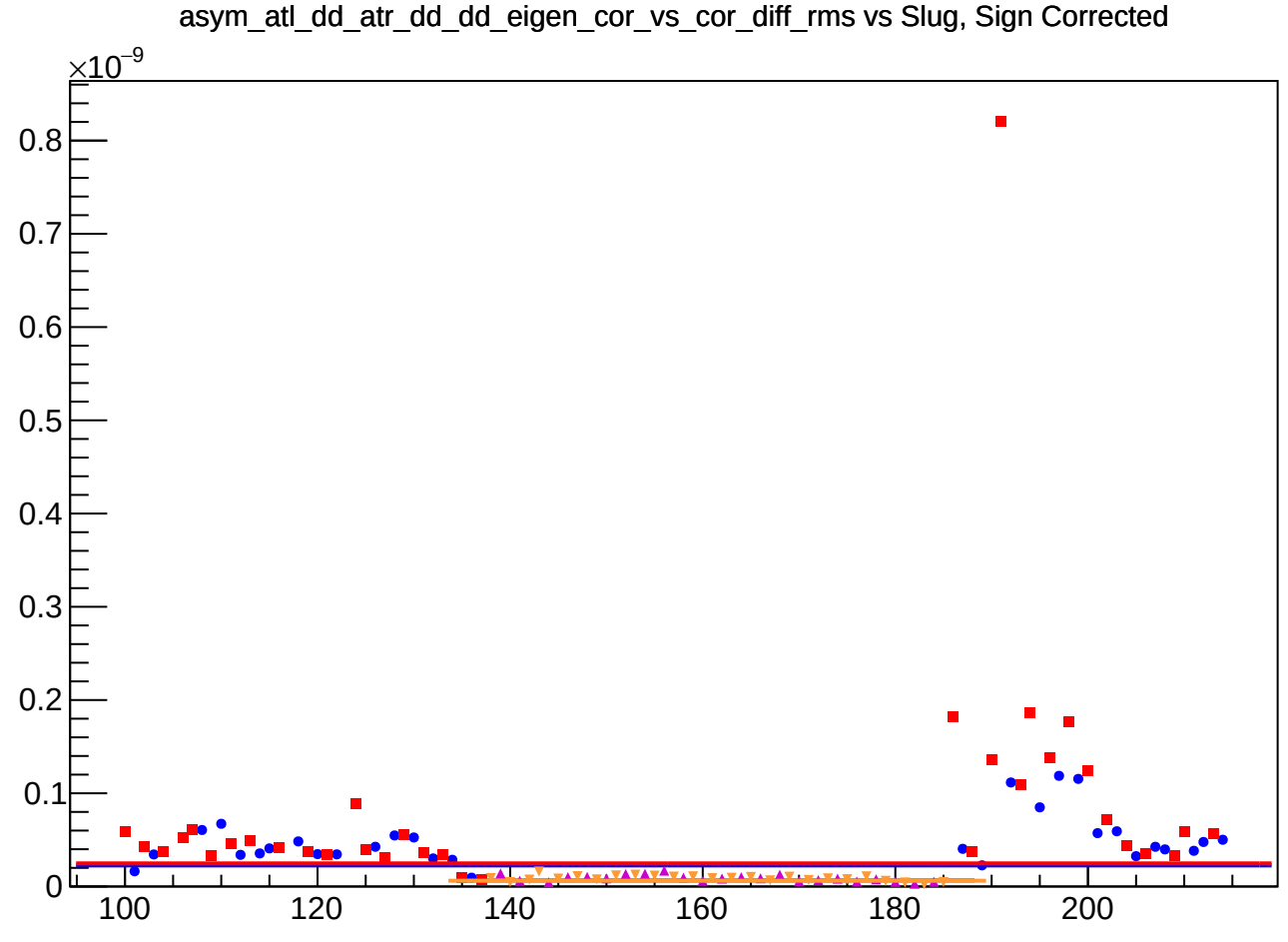
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 69.6/63

In: -0.000+/-0.000 χ^2/NDF:42.6/52

Out: -0.000+/-0.000 χ^2/NDF:81.2/58

All: -0.000+/-0.000 χ^2/NDF: 124.3/111



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

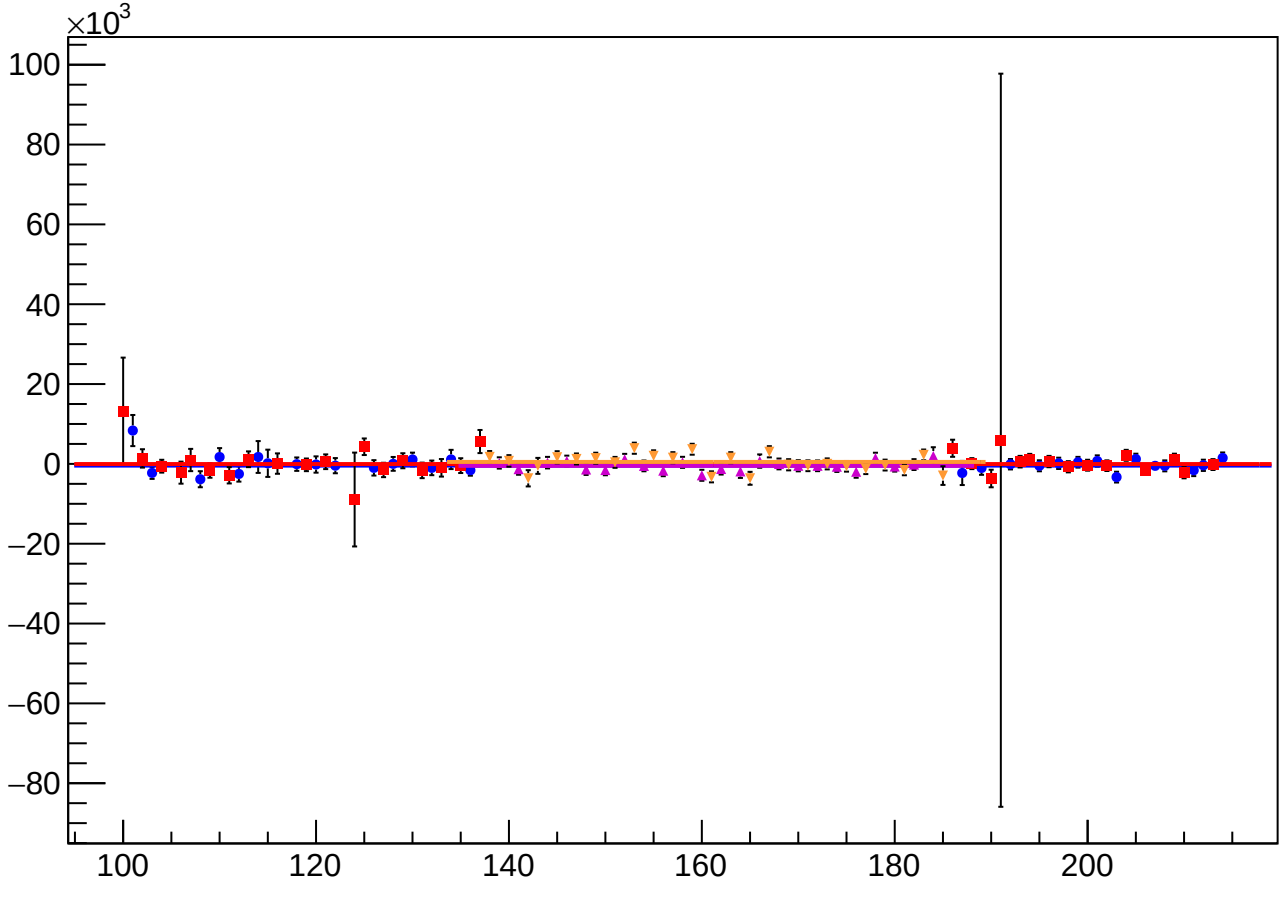
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 18665681.9/63

In: 0.000+/-0.000 χ^2/NDF:18459339.8/52

Out: 0.000+/-0.000 χ^2/NDF:22522390.8/58

All: 0.000+/-0.000 χ^2/NDF: 41022461.9/111



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

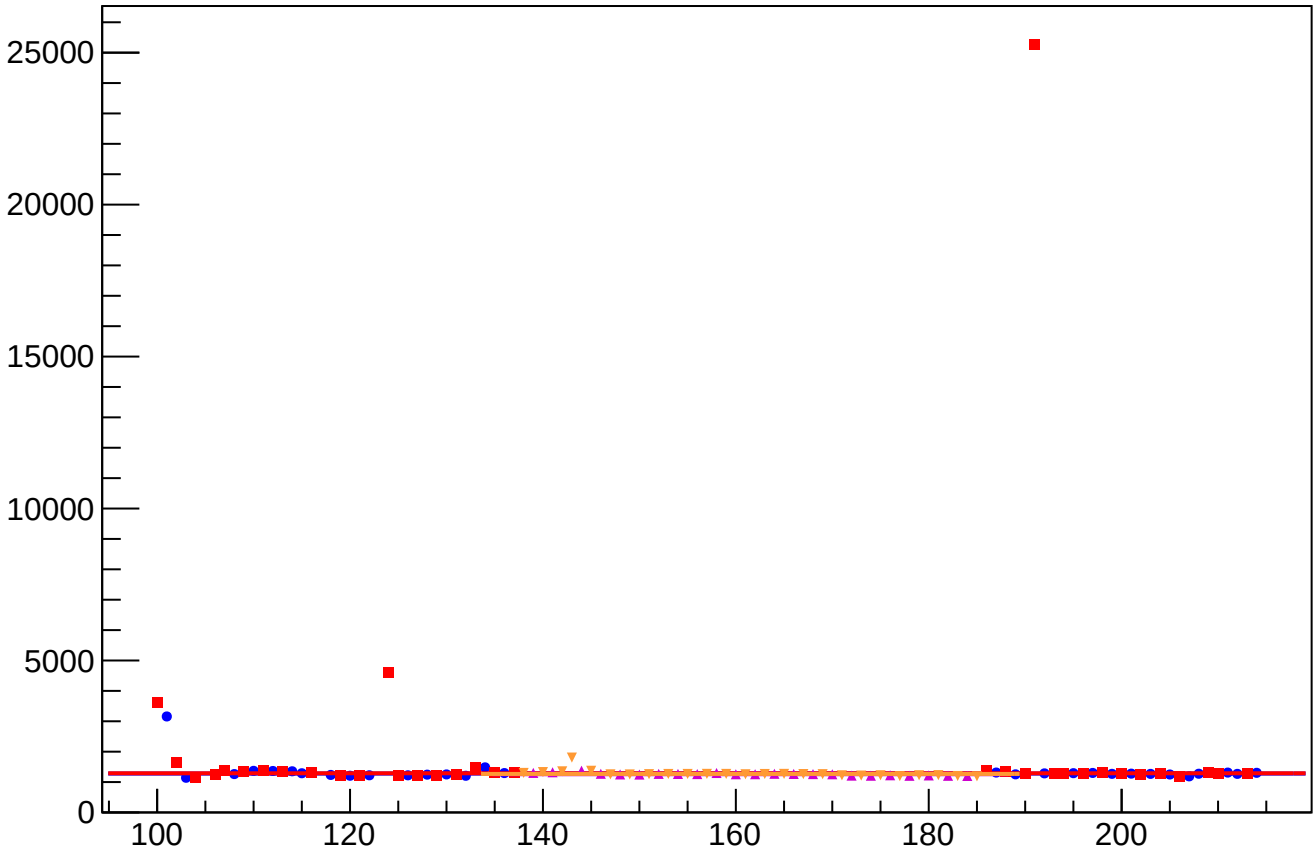
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -234.815+/-212.727 χ^2/NDF: 56.4/63

In: -457.436+/-210.227 χ^2/NDF:38.9/52

Out: 235.437+/-208.181 χ^2/NDF:79.7/58

All: -107.611+/-147.924 χ^2/NDF: 124.1/111



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

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

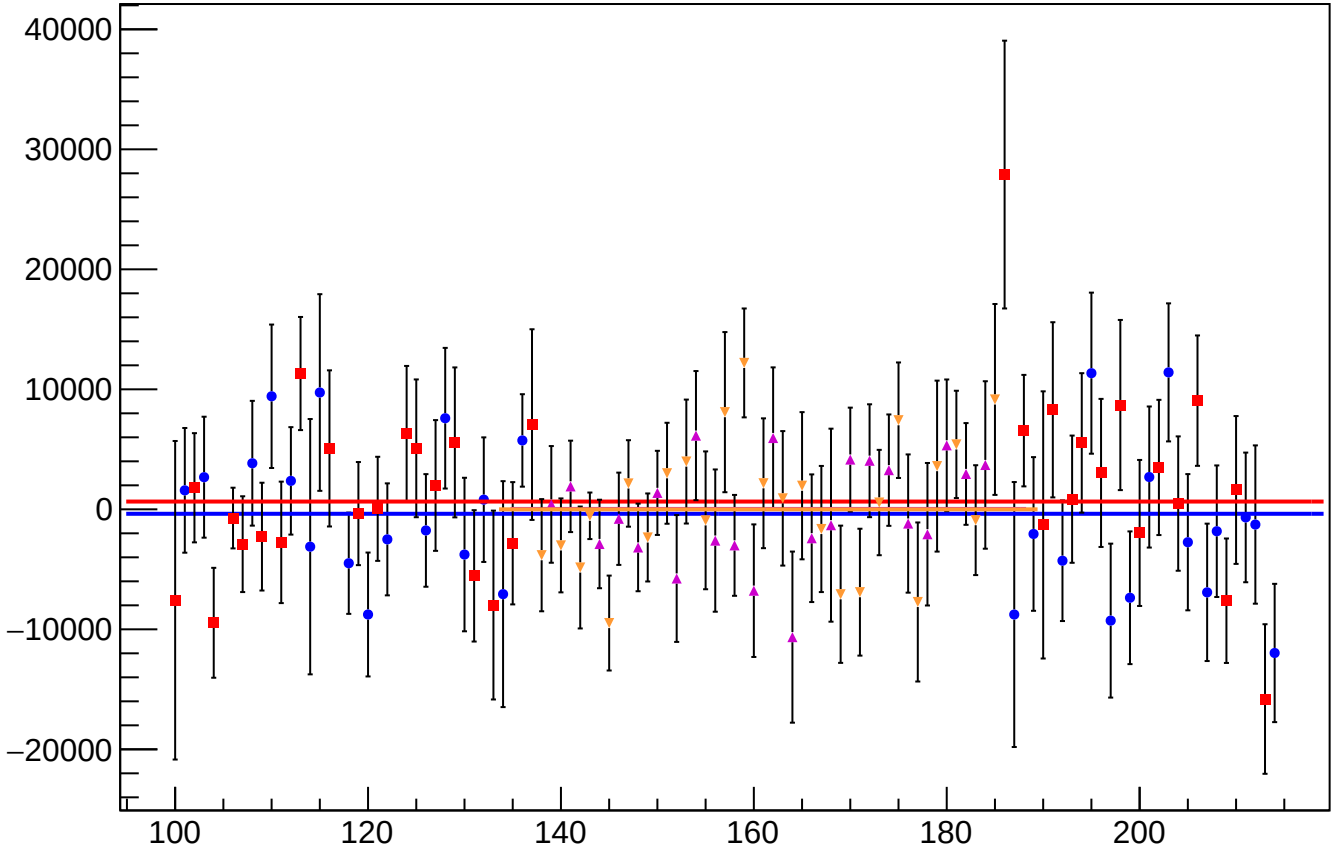
Right: 1283.948+/-0.150 χ^2/NDF: 1014188.8/63

In: 1267.881+/-0.149 χ^2/NDF:572123.5/52

Out: 1277.611+/-0.147 χ^2/NDF:675966.6/58

All: 1272.796+/-0.105 χ^2/NDF: 1250254.6/11

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



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

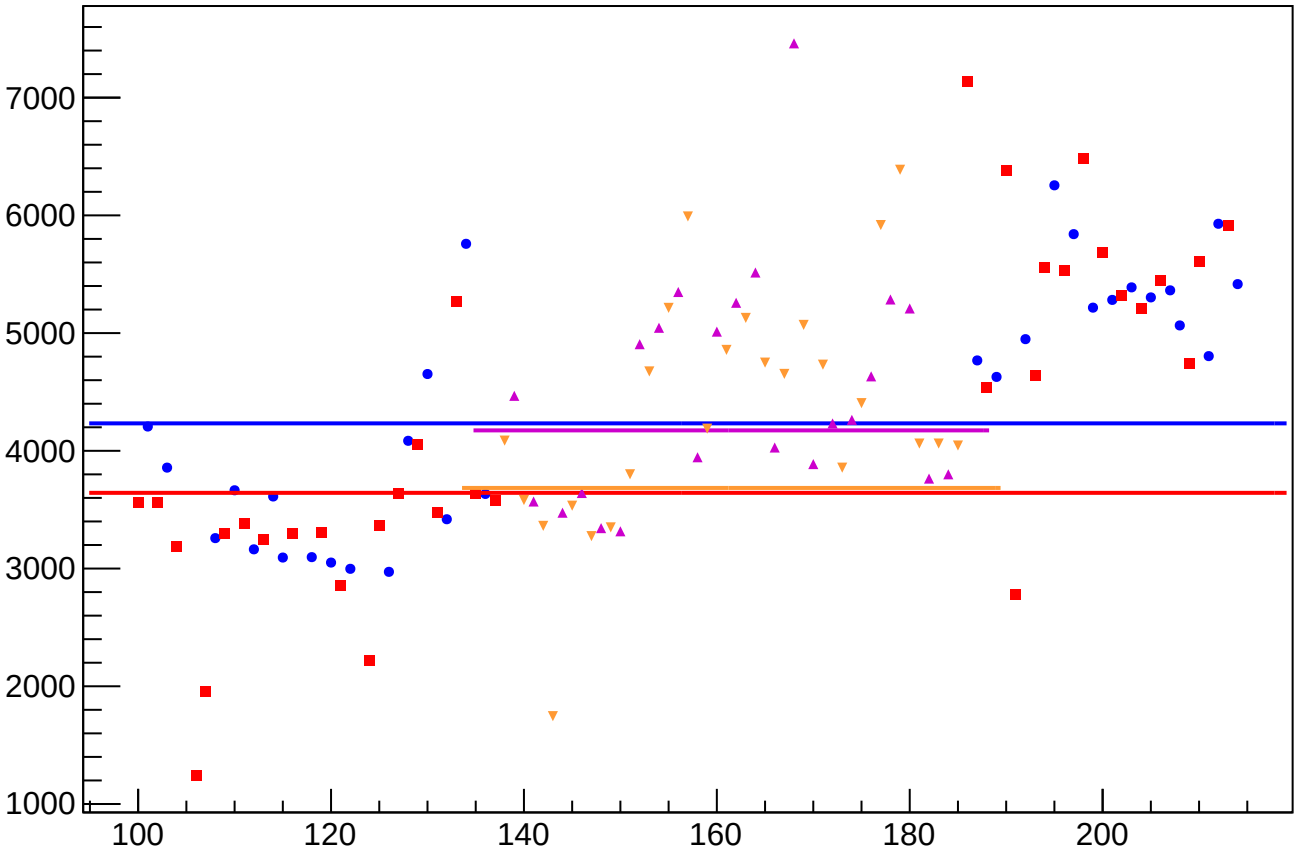
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 197.728+/-677.543 χ^2/NDF: 75.4/63

In: -165.190+/-712.203 χ^2/NDF:46.9/52

Out: 316.432+/-633.887 χ^2/NDF:71.3/58

All: 103.547+/-473.503 χ^2/NDF: 118.5/111



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

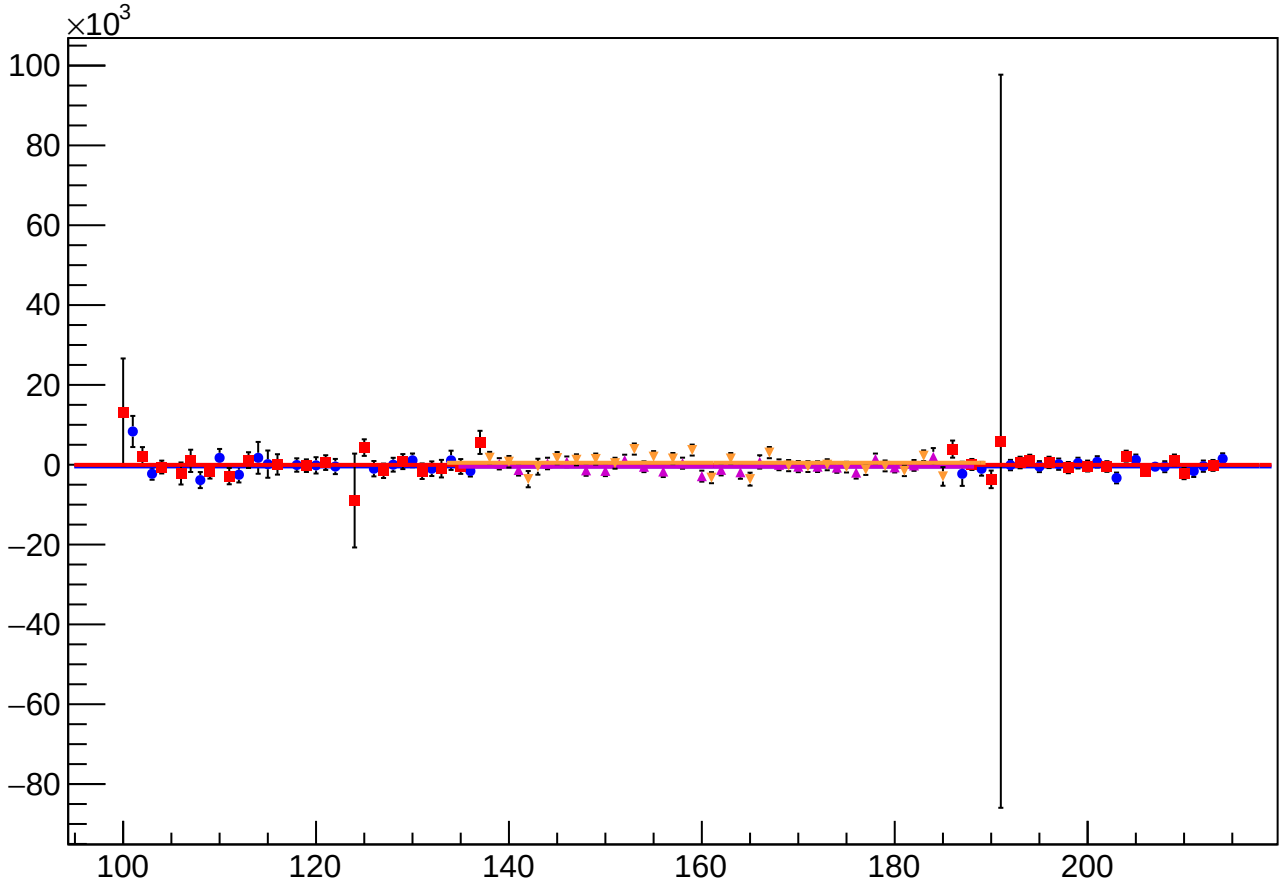
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3903.734+/-0.479 χ^2/NDF: 7408769.0/63

In: 4202.673+/-0.504 χ^2/NDF:3233689.3/52

Out: 3664.401+/-0.448 χ^2/NDF:8775216.7/58

All: 3902.326+/-0.335 χ^2/NDF: 12646359.8/1



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

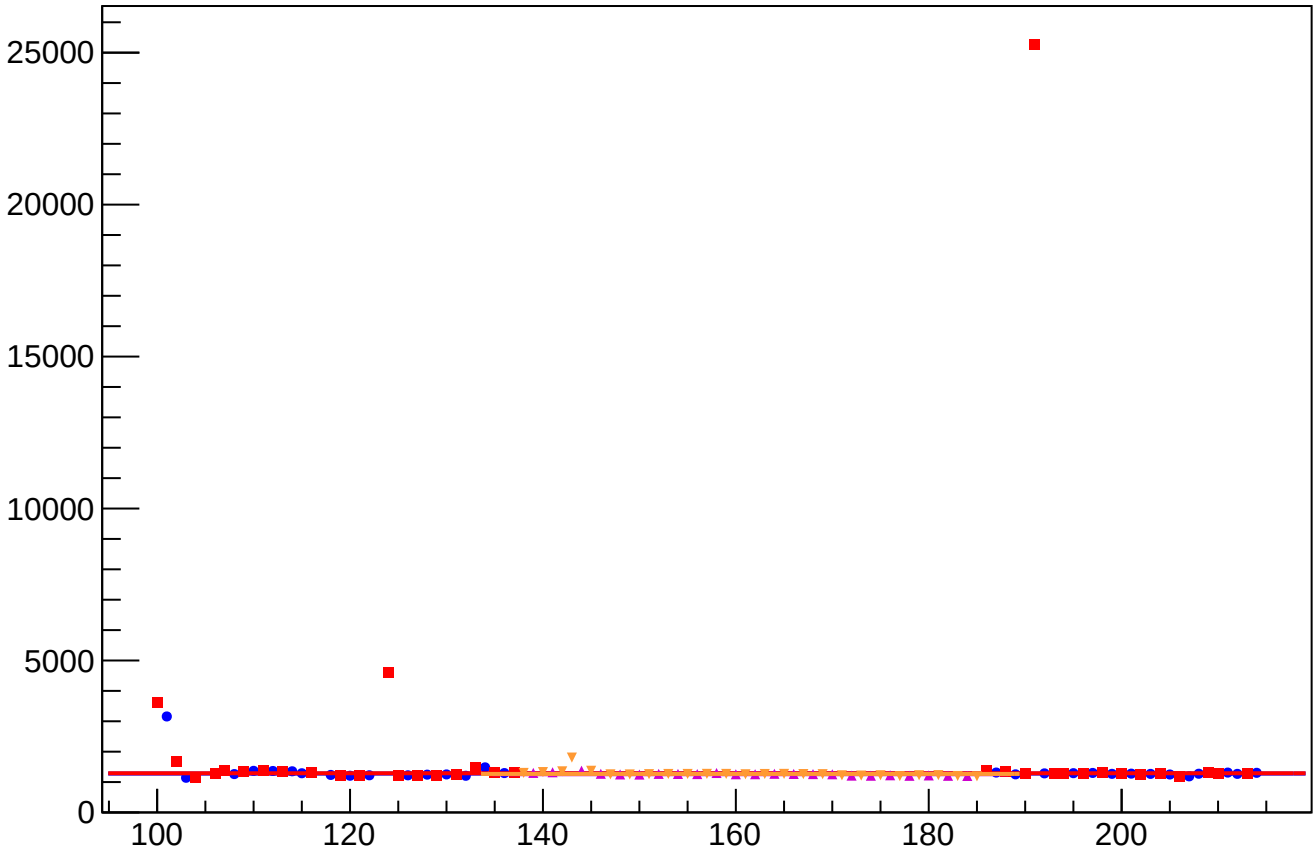
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -229.428+/-212.754 χ^2/NDF: 56.9/63

In: -457.455+/-210.227 χ^2/NDF:38.9/52

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -104.960+/-147.933 χ^2/NDF: 124.5/111



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

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

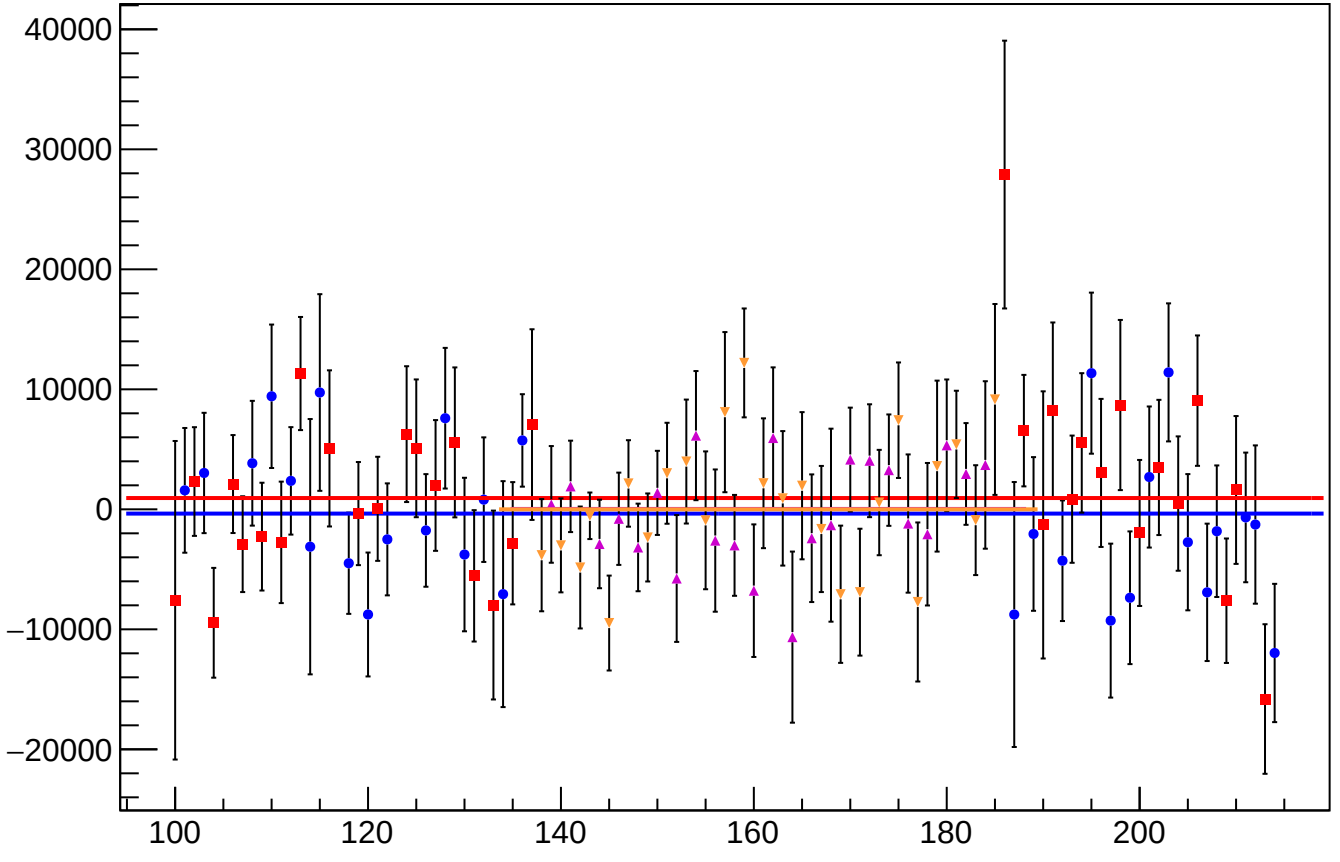
Right: 1284.326+/-0.150 χ^2/NDF: 1021248.9/63

In: 1267.881+/-0.149 χ^2/NDF:572124.9/52

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1272.976+/-0.105 χ^2/NDF: 1257688.3/11

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



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

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

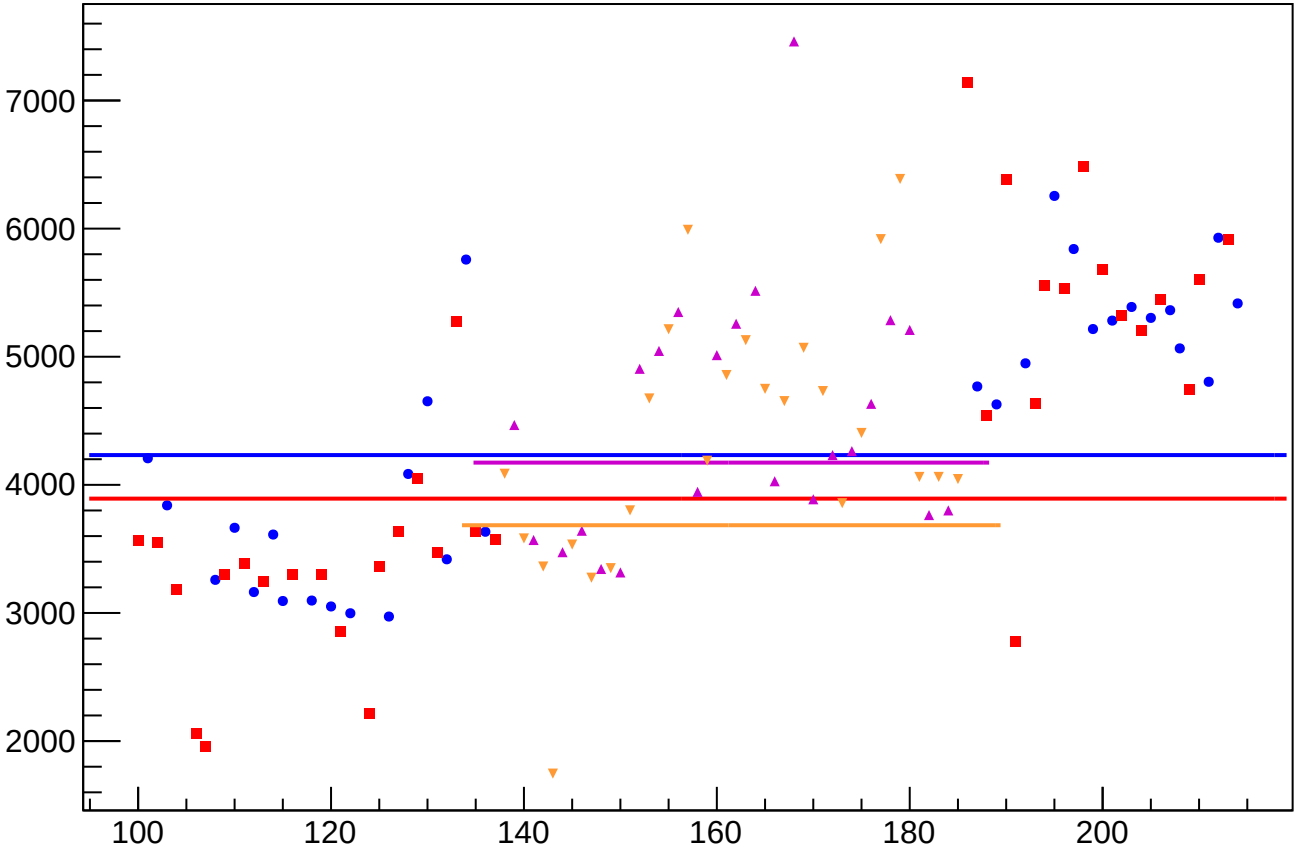
Right: 341.315+/-692.869 χ^2/NDF: 75.6/63

In: -157.567+/-712.132 χ^2/NDF:47.0/52

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 170.033+/-478.644 χ^2/NDF: 118.8/111

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



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

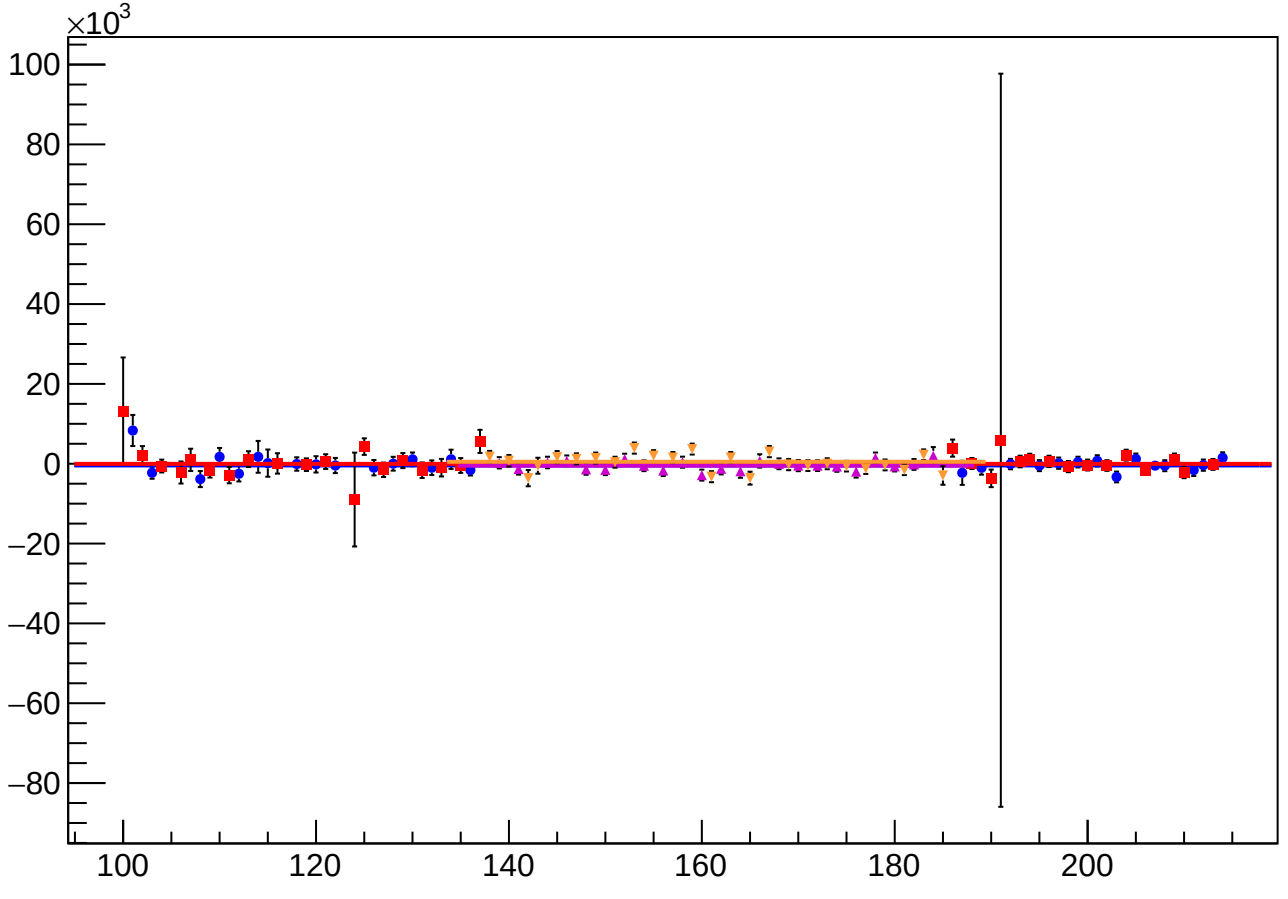
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4049.551+/-0.490 χ^2/NDF: 5514137.1/63

In: 4202.268+/-0.504 χ^2/NDF:3234766.9/52

Out: 3782.036+/-0.457 χ^2/NDF:7183241.0/58

All: 3971.879+/-0.338 χ^2/NDF: 10799829.2/1



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

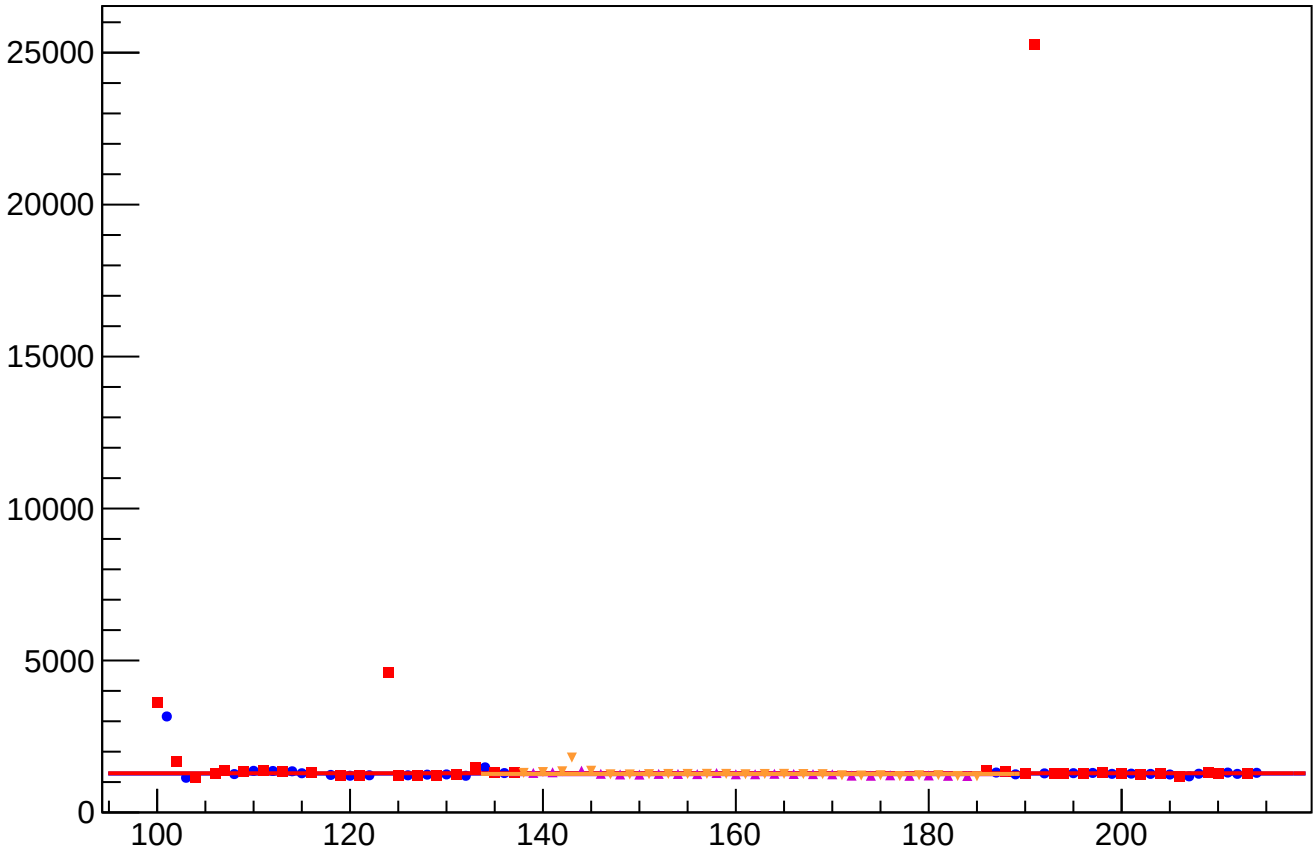
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -229.428+/-212.754 χ^2/NDF: 56.9/63

In: -457.455+/-210.227 χ^2/NDF:38.9/52

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -104.960+/-147.933 χ^2/NDF: 124.5/111



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

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

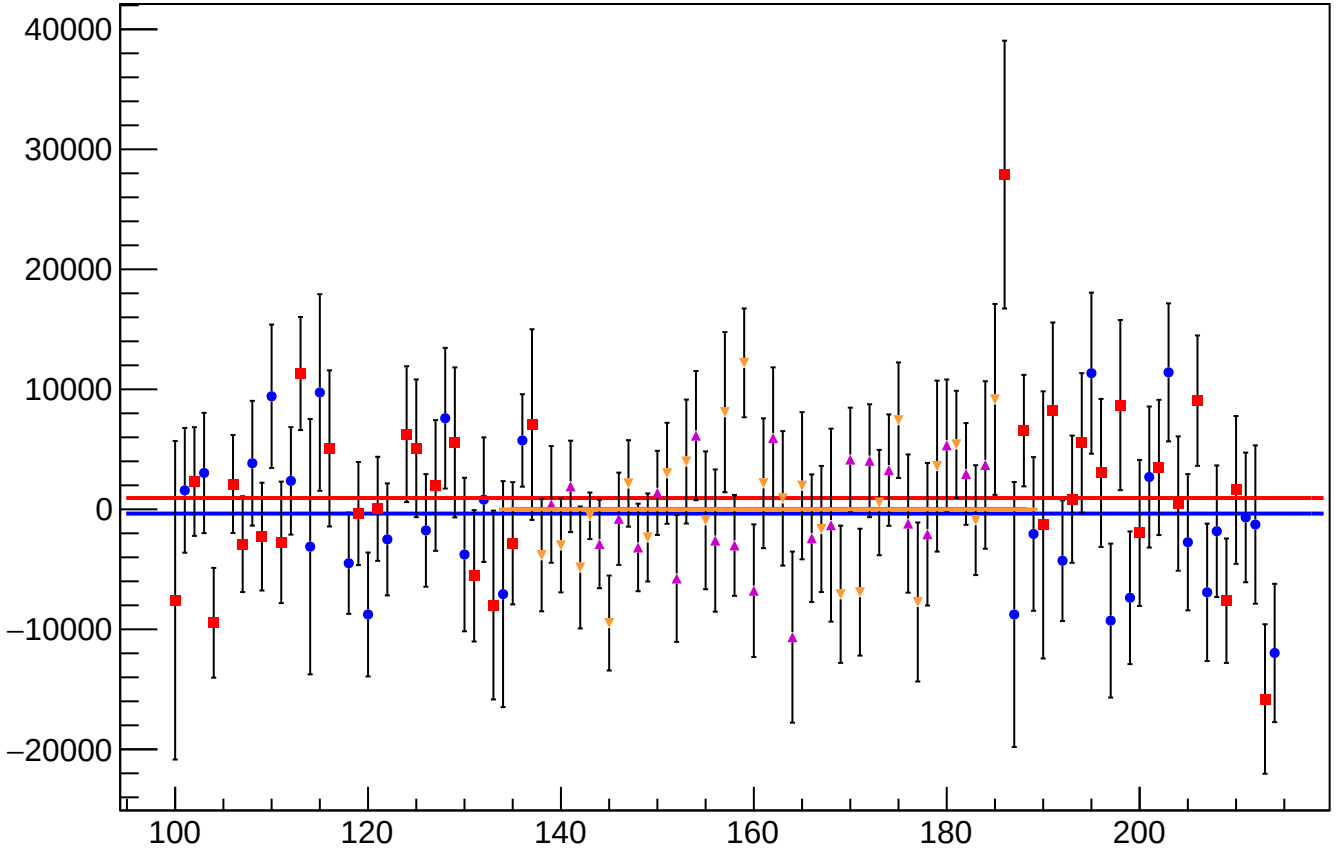
Right: 1284.326+/-0.150 χ^2/NDF: 1021248.9/63

In: 1267.881+/-0.149 χ^2/NDF:572124.9/52

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1272.976+/-0.105 χ^2/NDF: 1257688.3/11

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

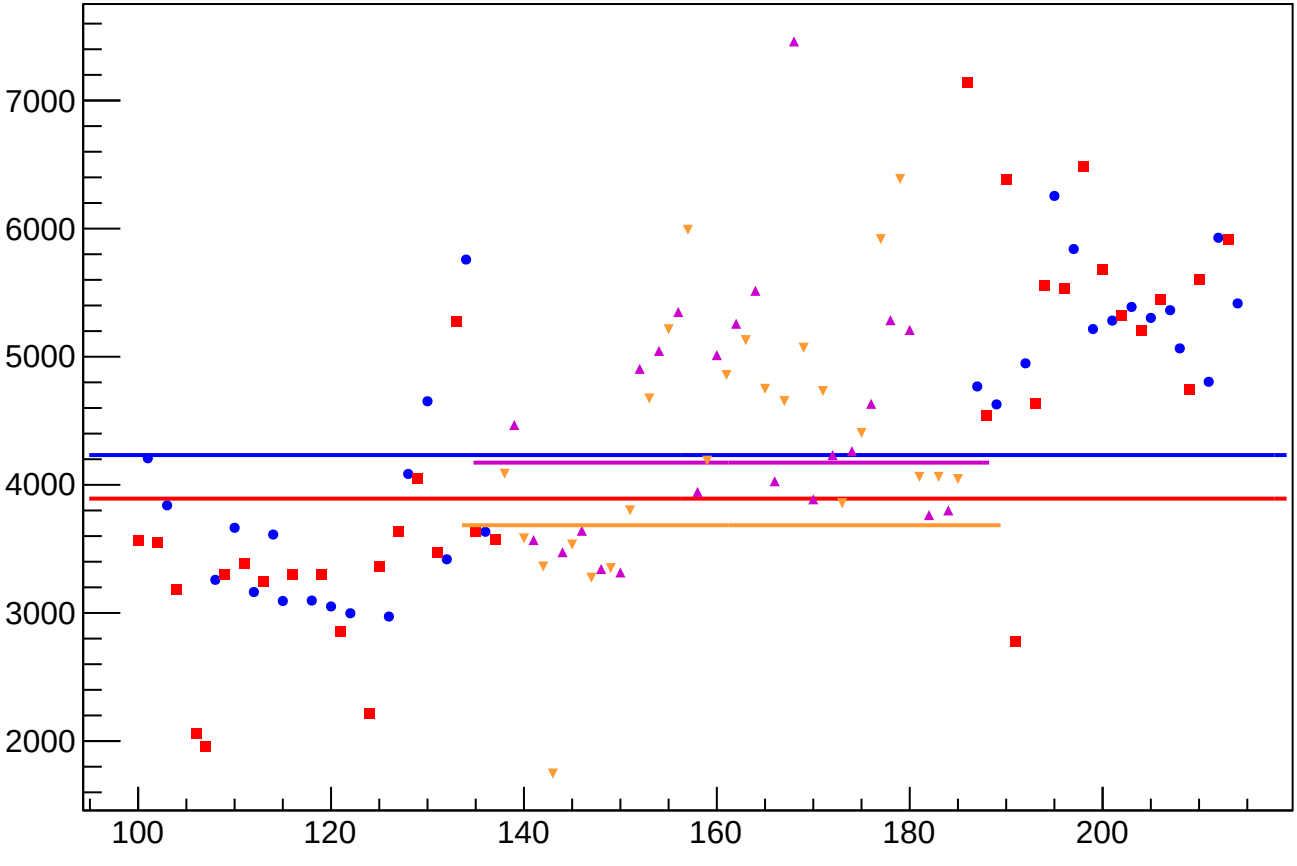
Right: 341.315+/-692.869 χ^2/NDF: 75.6/63

In: -157.567+/-712.132 χ^2/NDF:47.0/52

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 170.033+/-478.644 χ^2/NDF: 118.8/111

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

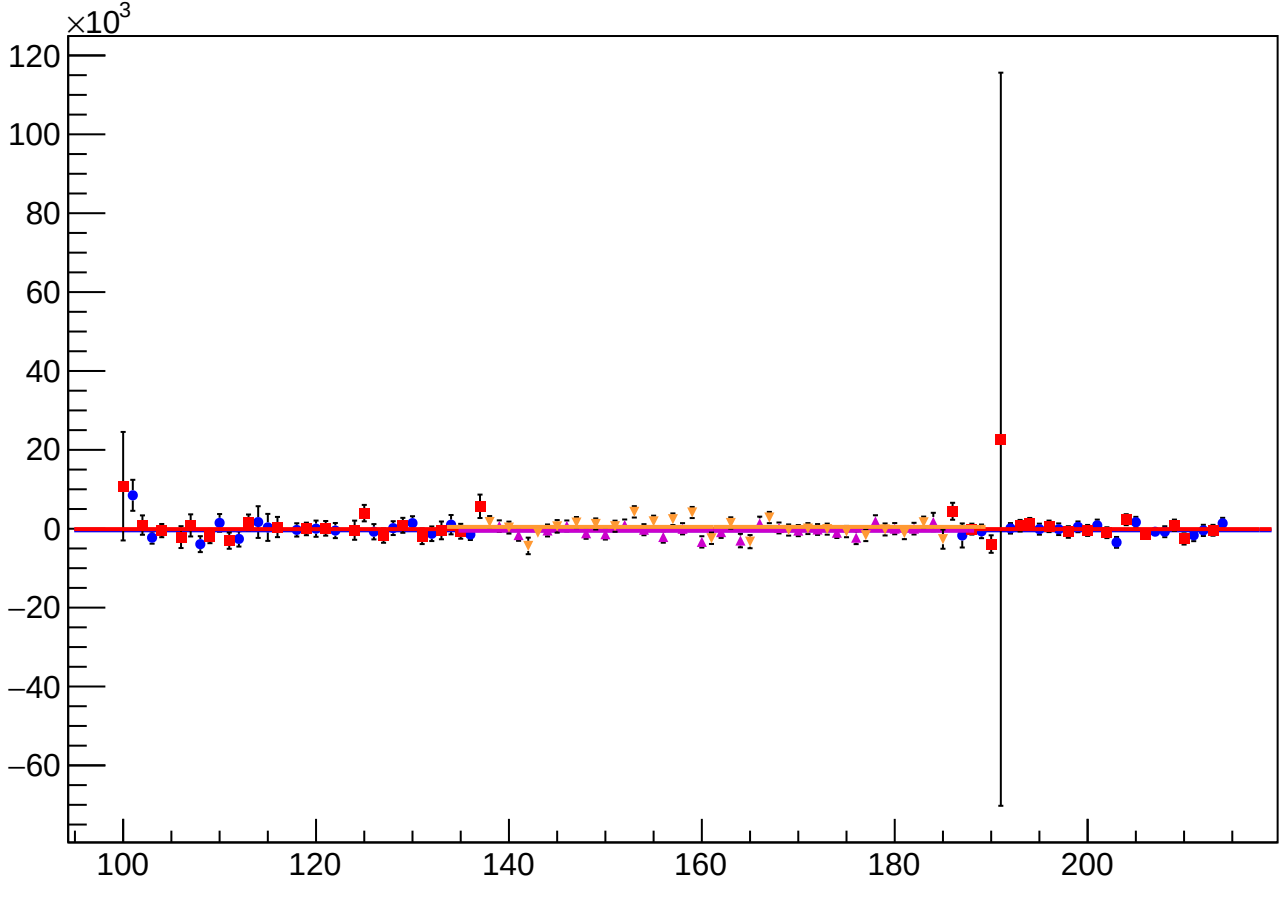
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4049.551+/-0.490 χ^2/NDF: 5514137.1/63

In: 4202.268+/-0.504 χ^2/NDF:3234766.9/52

Out: 3782.036+/-0.457 χ^2/NDF:7183241.0/58

All: 3971.879+/-0.338 χ^2/NDF: 10799829.2/1



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

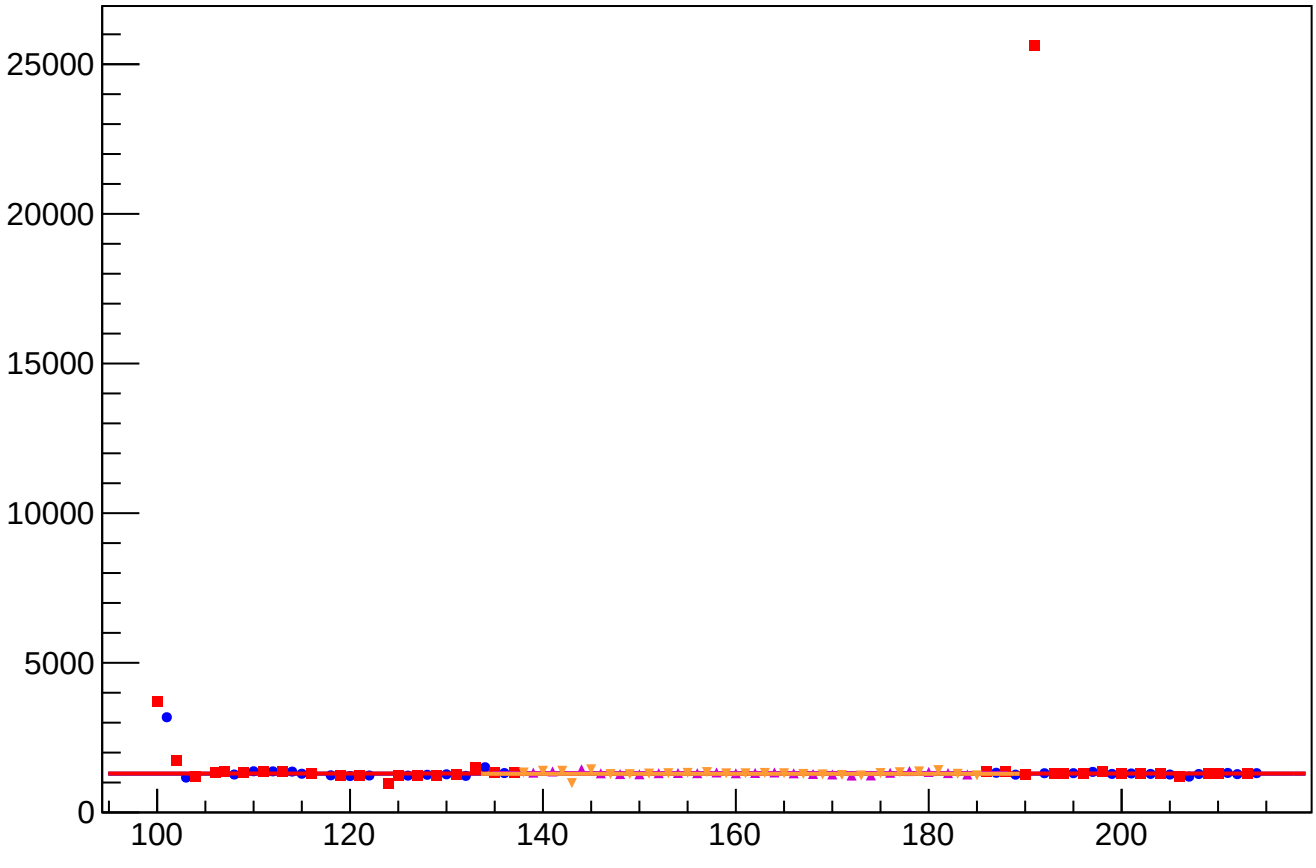
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -246.682+/-214.948 χ^2/NDF: 58.9/63

In: -451.933+/-216.356 χ^2/NDF:43.1/52

Out: 195.165+/-211.118 χ^2/NDF:78.6/58

All: -120.457+/-151.101 χ^2/NDF: 126.3/111



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

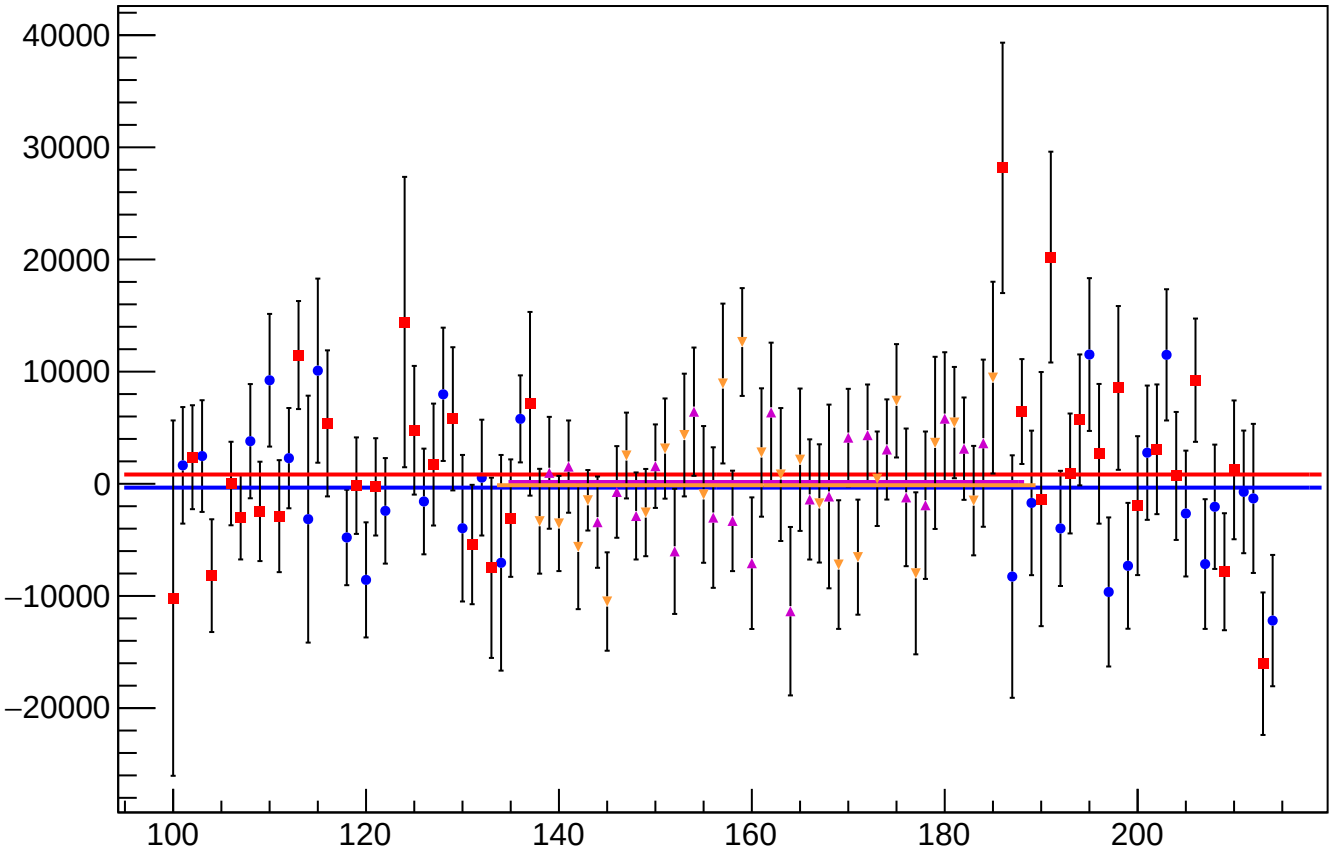
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1298.150+/-0.152 χ^2/NDF: 908804.8/63

In: 1304.584+/-0.153 χ^2/NDF:576890.8/52

Out: 1295.948+/-0.149 χ^2/NDF:610152.9/58

All: 1300.159+/-0.107 χ^2/NDF: 1188676.2/11



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

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

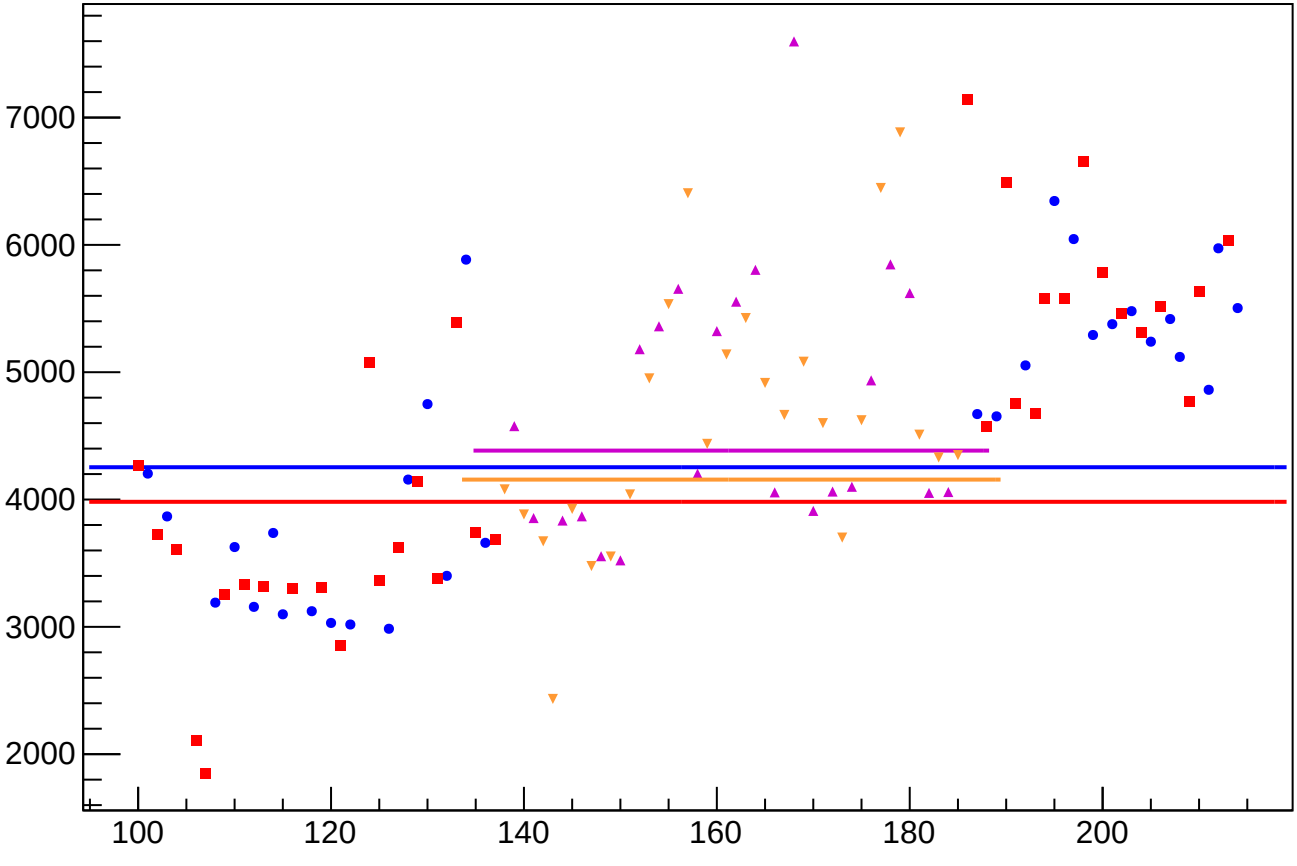
Right: 281.653+/-701.120 χ^2/NDF: 76.9/63

In: -95.694+/-732.152 χ^2/NDF:46.6/52

Out: 358.596+/-685.065 χ^2/NDF:72.5/58

All: 146.528+/-500.233 χ^2/NDF: 119.3/111

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



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

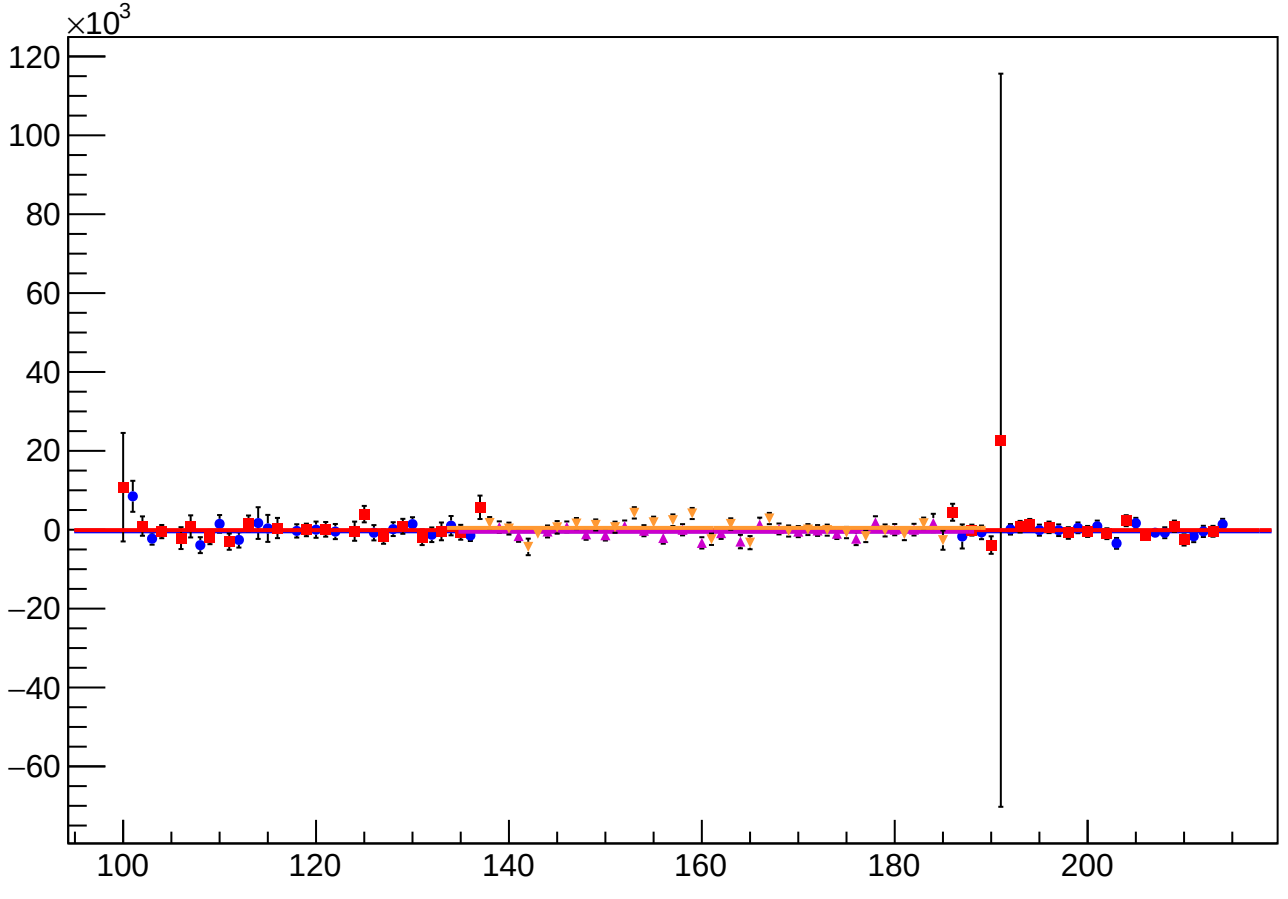
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4109.024+/-0.496 χ^2/NDF: 5615494.8/63

In: 4317.757+/-0.518 χ^2/NDF:3327560.3/52

Out: 4067.846+/-0.484 χ^2/NDF:5597793.9/58

All: 4184.507+/-0.354 χ^2/NDF: 9049598.8/11



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

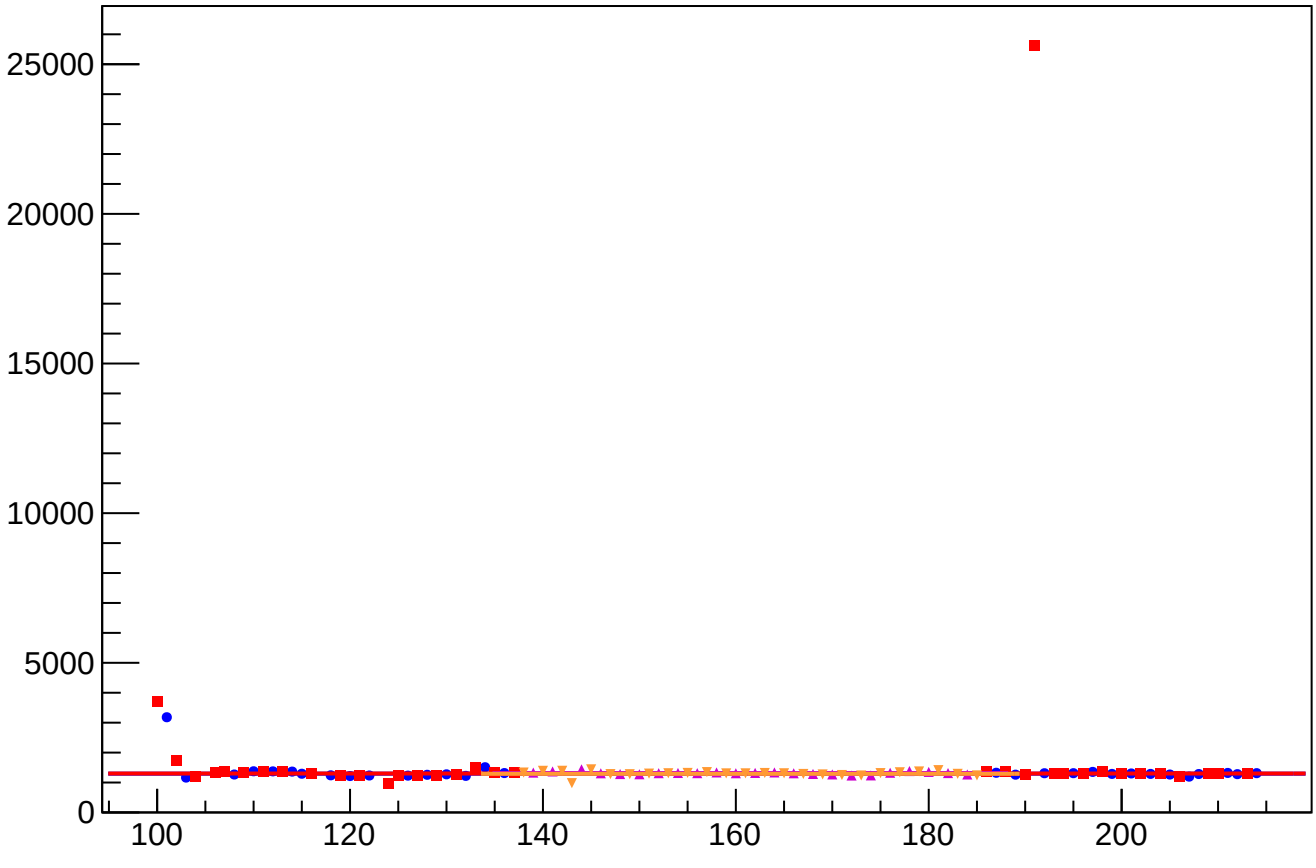
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -246.683+/-214.948 χ^2/NDF: 58.9/63

In: -451.933+/-216.356 χ^2/NDF:43.1/52

Out: 195.166+/-211.118 χ^2/NDF:78.6/58

All: -120.456+/-151.101 χ^2/NDF: 126.3/111



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

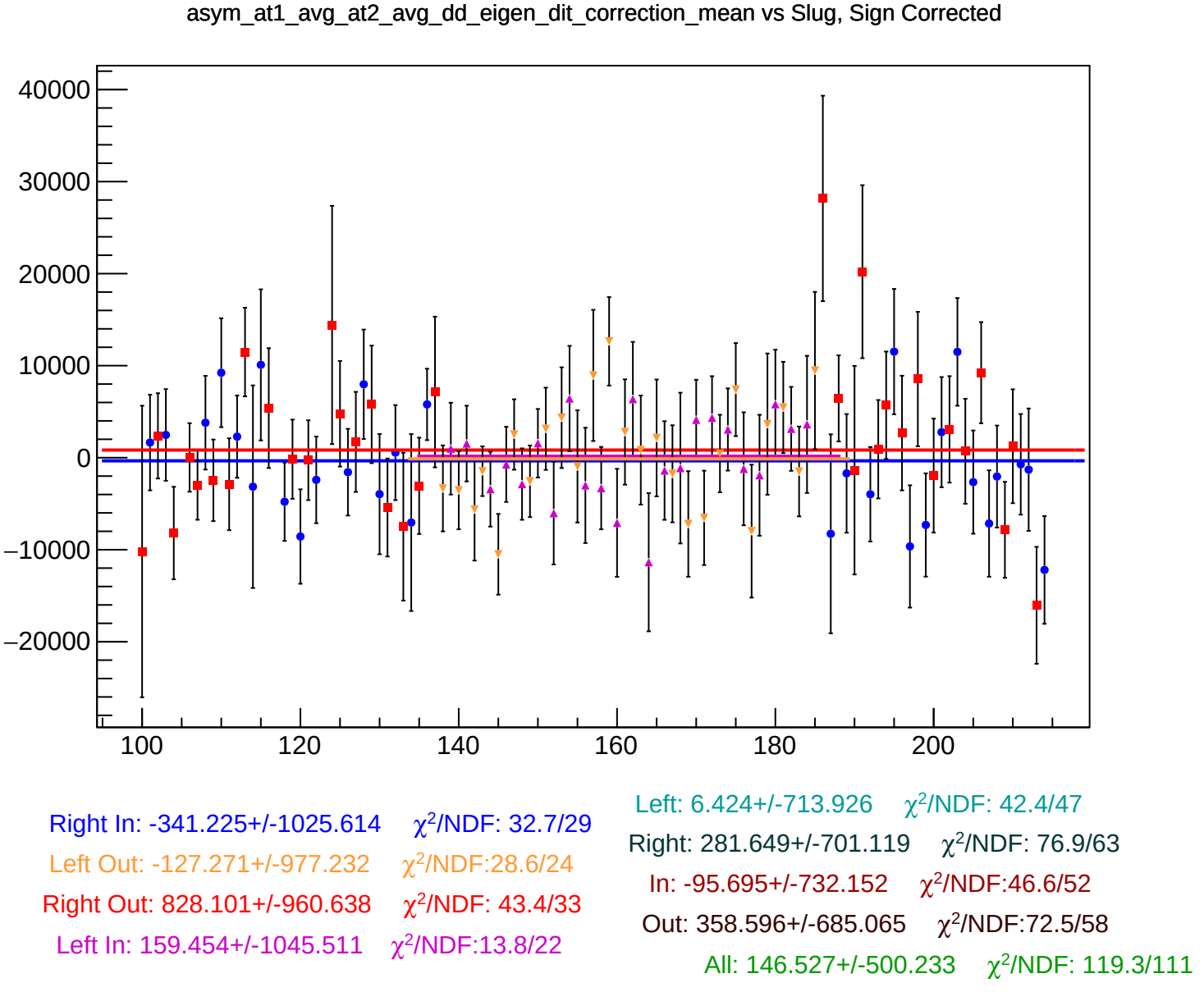
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

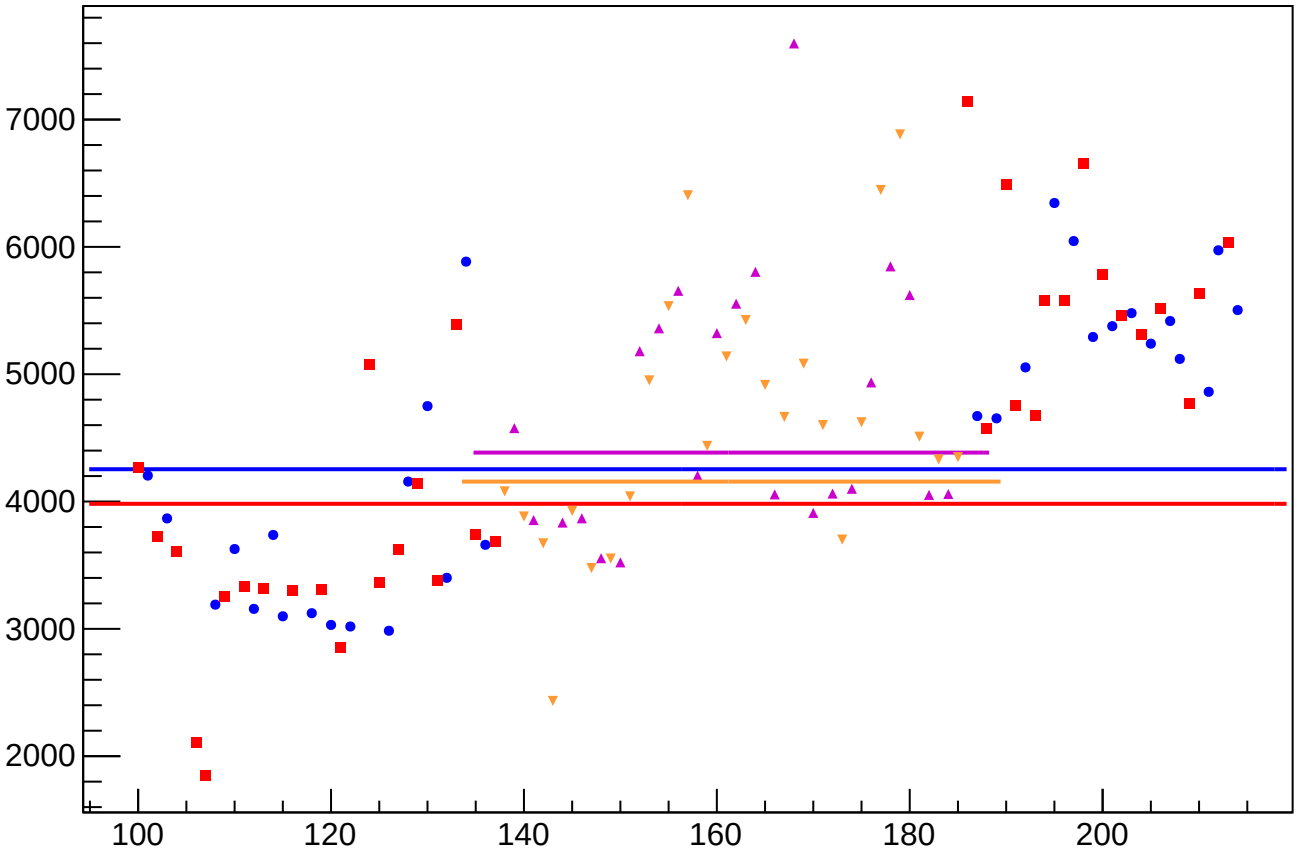
Right: 1298.150+/-0.152 χ^2/NDF: 908805.0/63

In: 1304.584+/-0.153 χ^2/NDF:576893.5/52

Out: 1295.949+/-0.149 χ^2/NDF:610155.3/58

All: 1300.160+/-0.107 χ^2/NDF: 1188681.2/11


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -341.225+/-1025.614 χ²/NDF: 32.7/29
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: 828.101+/-960.638 χ²/NDF: 43.4/33
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: 281.649+/-701.119 χ²/NDF: 76.9/63
In: -95.695+/-732.152 χ²/NDF:46.6/52
Out: 358.596+/-685.065 χ²/NDF:72.5/58
All: 146.527+/-500.233 χ²/NDF: 119.3/111



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

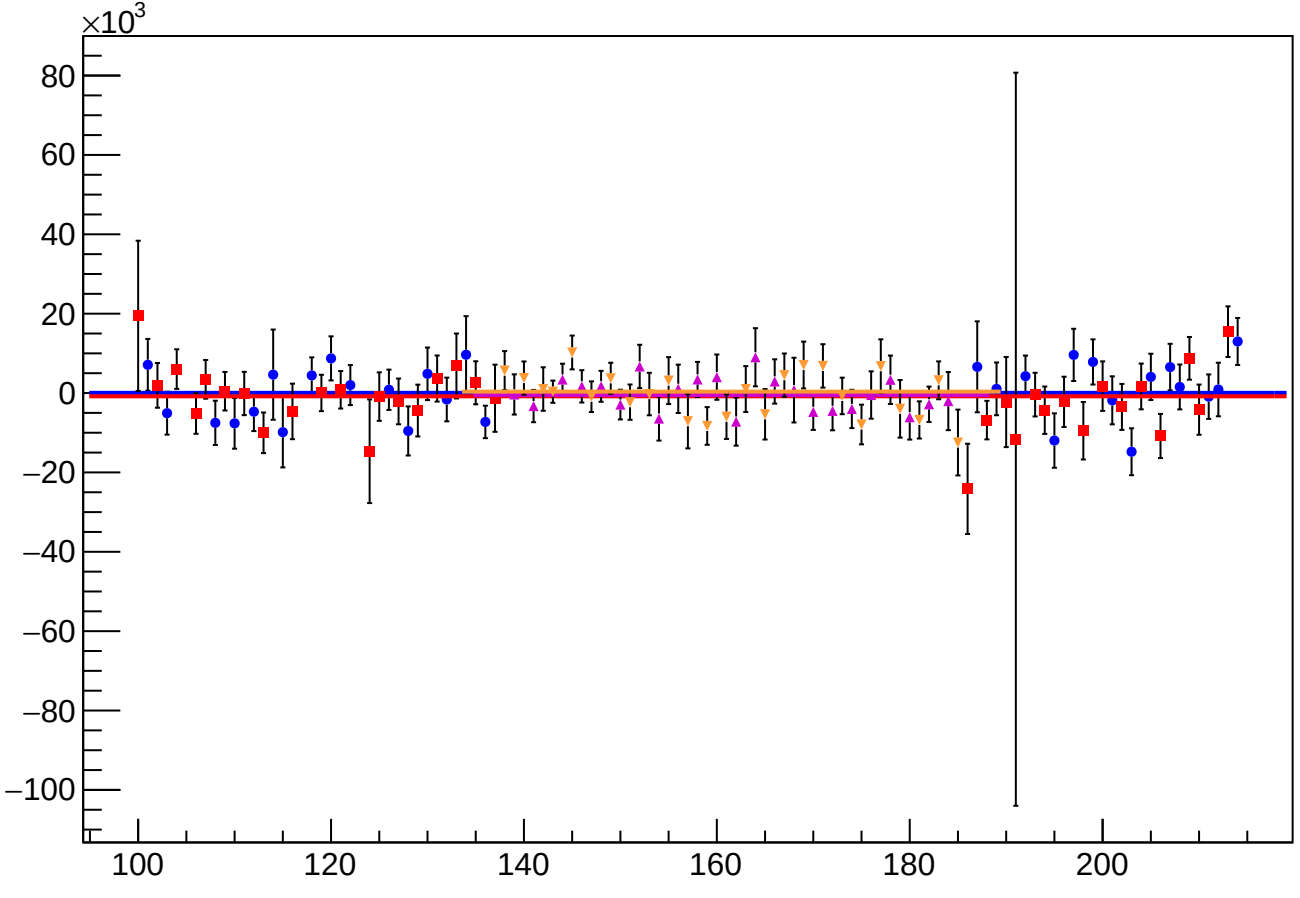
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4109.018+/-0.496 χ^2/NDF: 5615566.2/63

In: 4317.757+/-0.518 χ^2/NDF:3327603.9/52

Out: 4067.846+/-0.484 χ^2/NDF:5597835.7/58

All: 4184.508+/-0.354 χ^2/NDF: 9049684.7/11



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

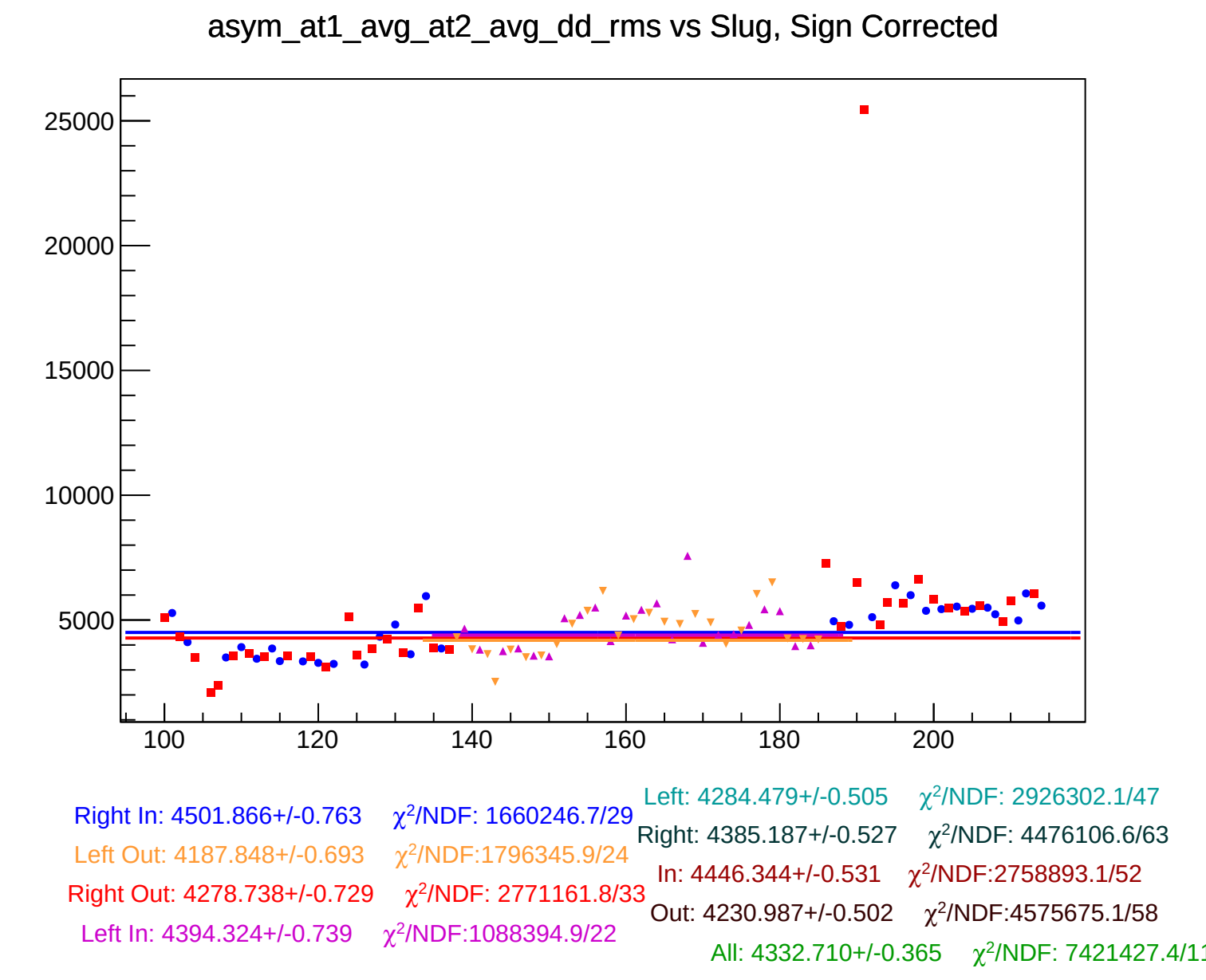
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -400.133+/-748.738 χ^2/NDF: 73.1/63

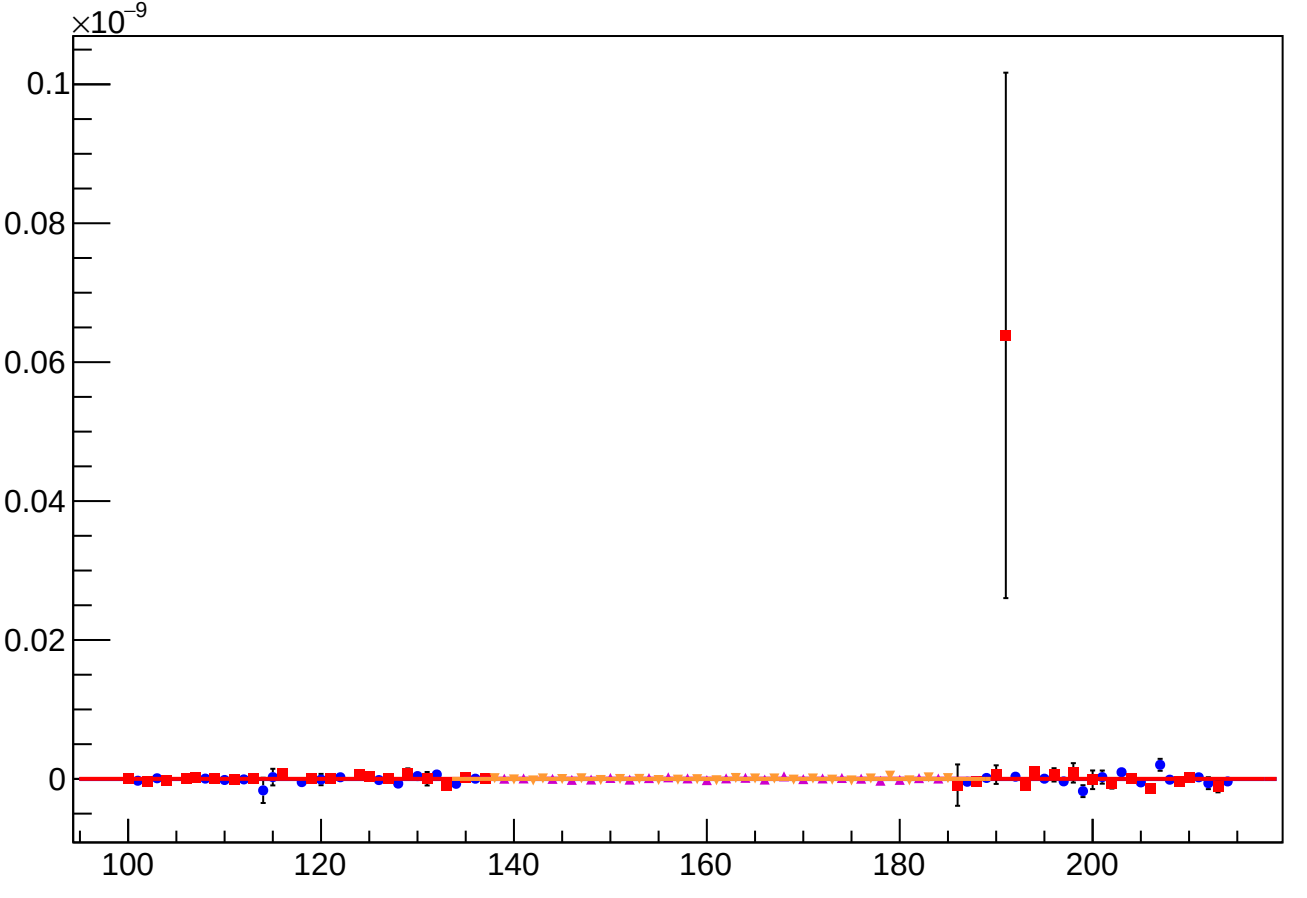
In: -230.438+/-750.655 χ^2/NDF:53.5/52

Out: -194.756+/-713.037 χ^2/NDF:61.6/58

All: -211.681+/-516.981 χ^2/NDF: 115.1/111


asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4501.866+/-0.763 χ²/NDF: 1660246.7/29
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4278.738+/-0.729 χ²/NDF: 2771161.8/33
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4385.187+/-0.527 χ²/NDF: 4476106.6/63
In: 4446.344+/-0.531 χ²/NDF:2758893.1/52
Out: 4230.987+/-0.502 χ²/NDF:4575675.1/58
All: 4332.710+/-0.365 χ²/NDF: 7421427.4/11

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

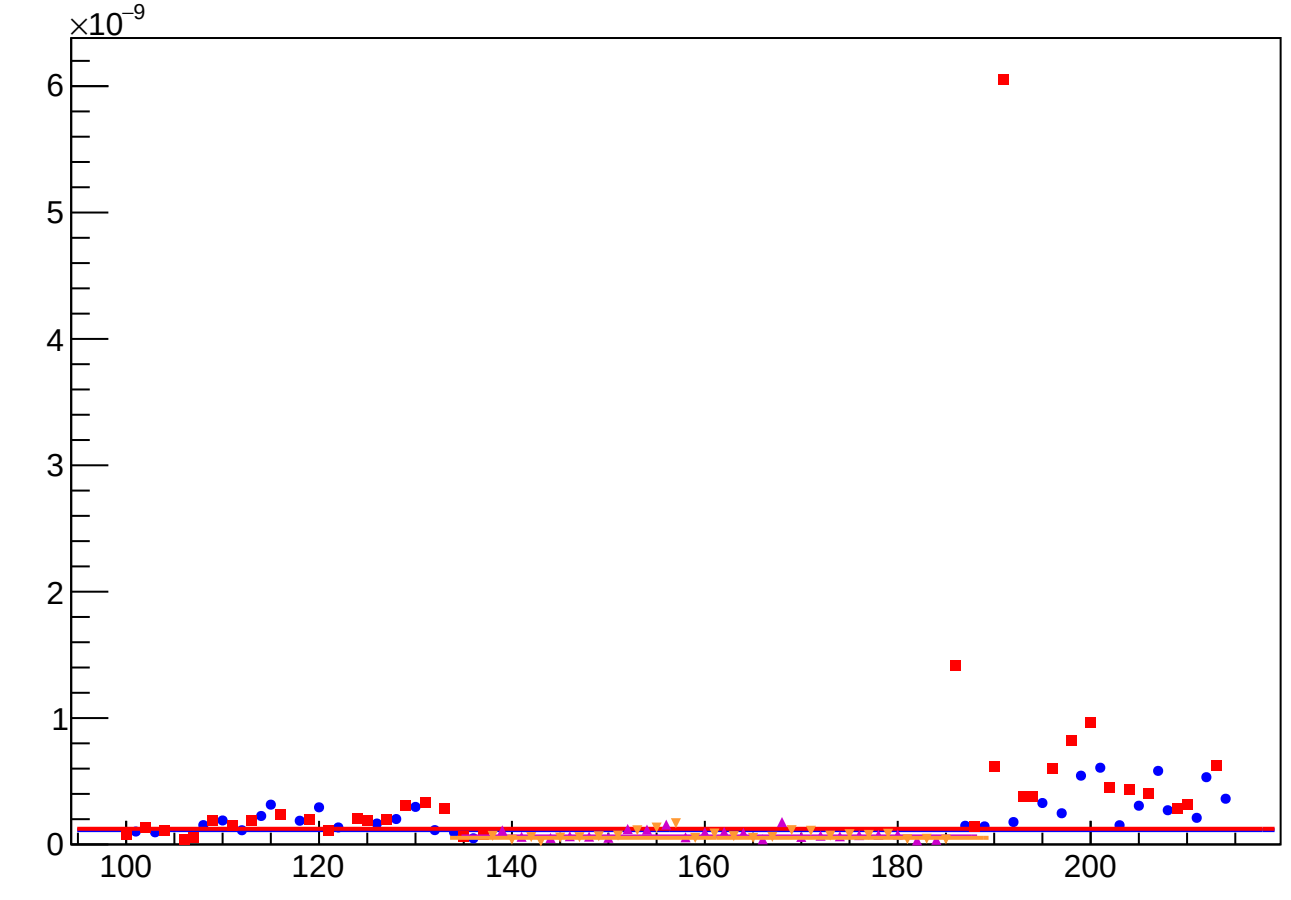
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 71.2/63

In: 0.000+/-0.000 χ^2/NDF:53.2/52

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: 0.000+/-0.000 χ^2/NDF: 119.3/111



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

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

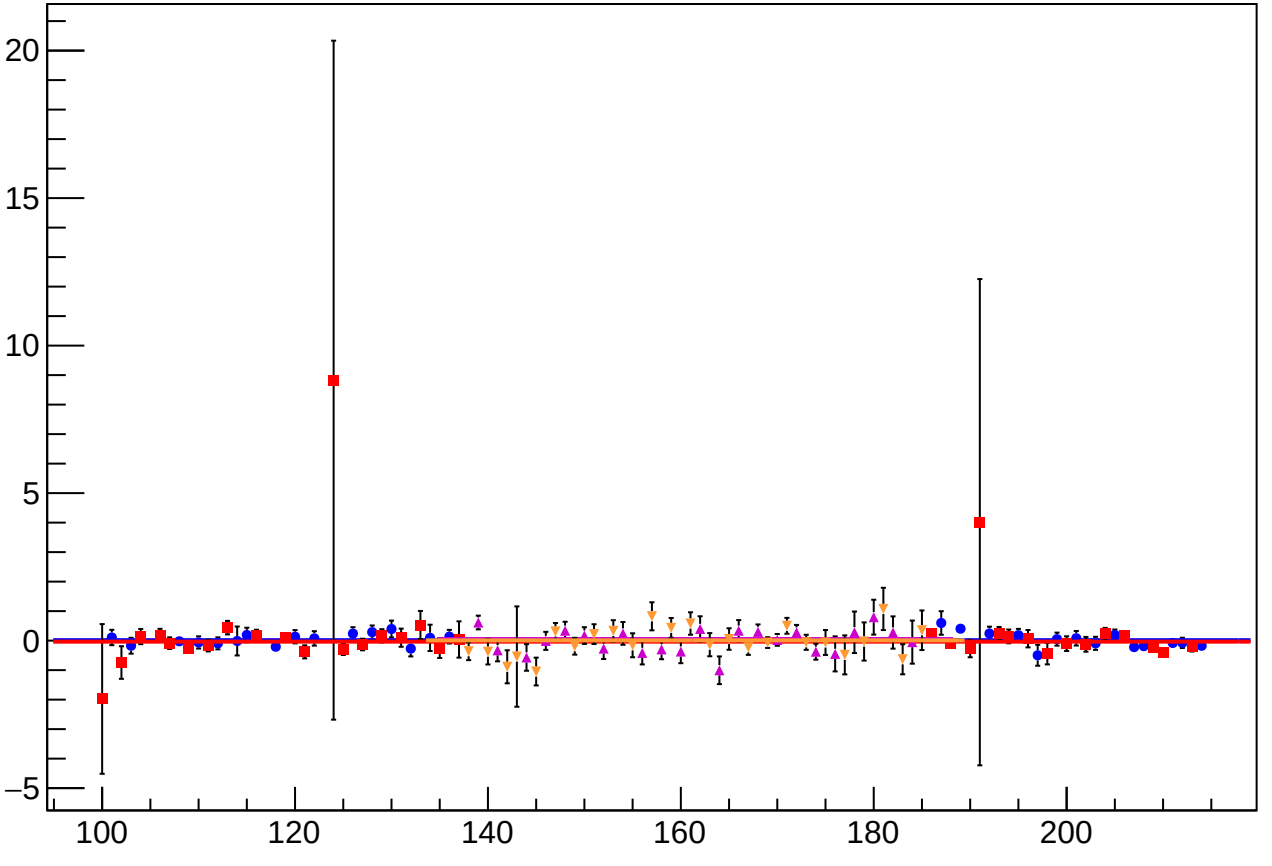
Right: 0.000+/-0.000 χ^2/NDF: 12873367.6/63

In: 0.000+/-0.000 χ^2/NDF:8486467.3/52

Out: 0.000+/-0.000 χ^2/NDF:12655494.5/58

All: 0.000+/-0.000 χ^2/NDF: 21413077.3/111

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

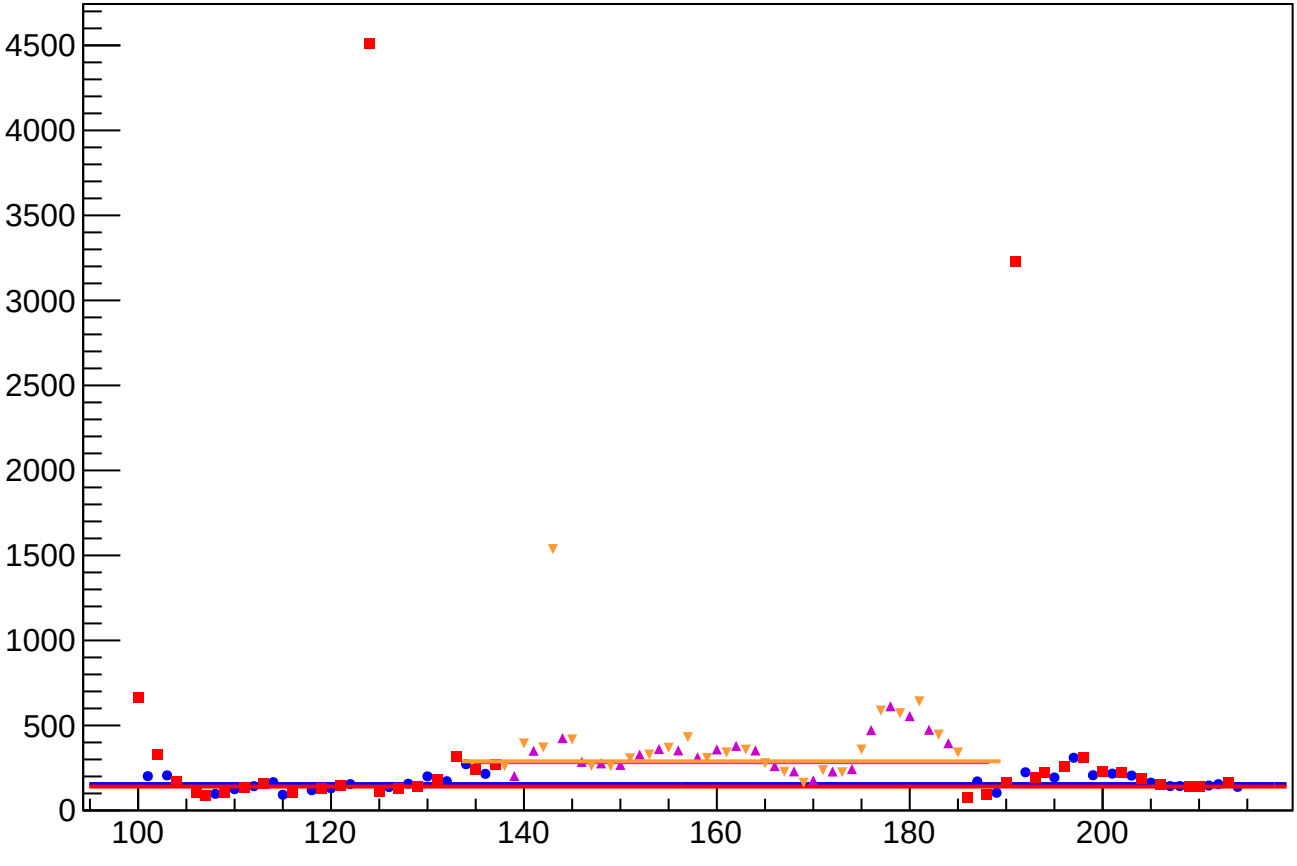
Right: -0.011+/-0.026 χ^2/NDF: 70.9/63

In: 0.024+/-0.034 χ^2/NDF:57.3/52

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: -0.002+/-0.023 χ^2/NDF: 128.3/111

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

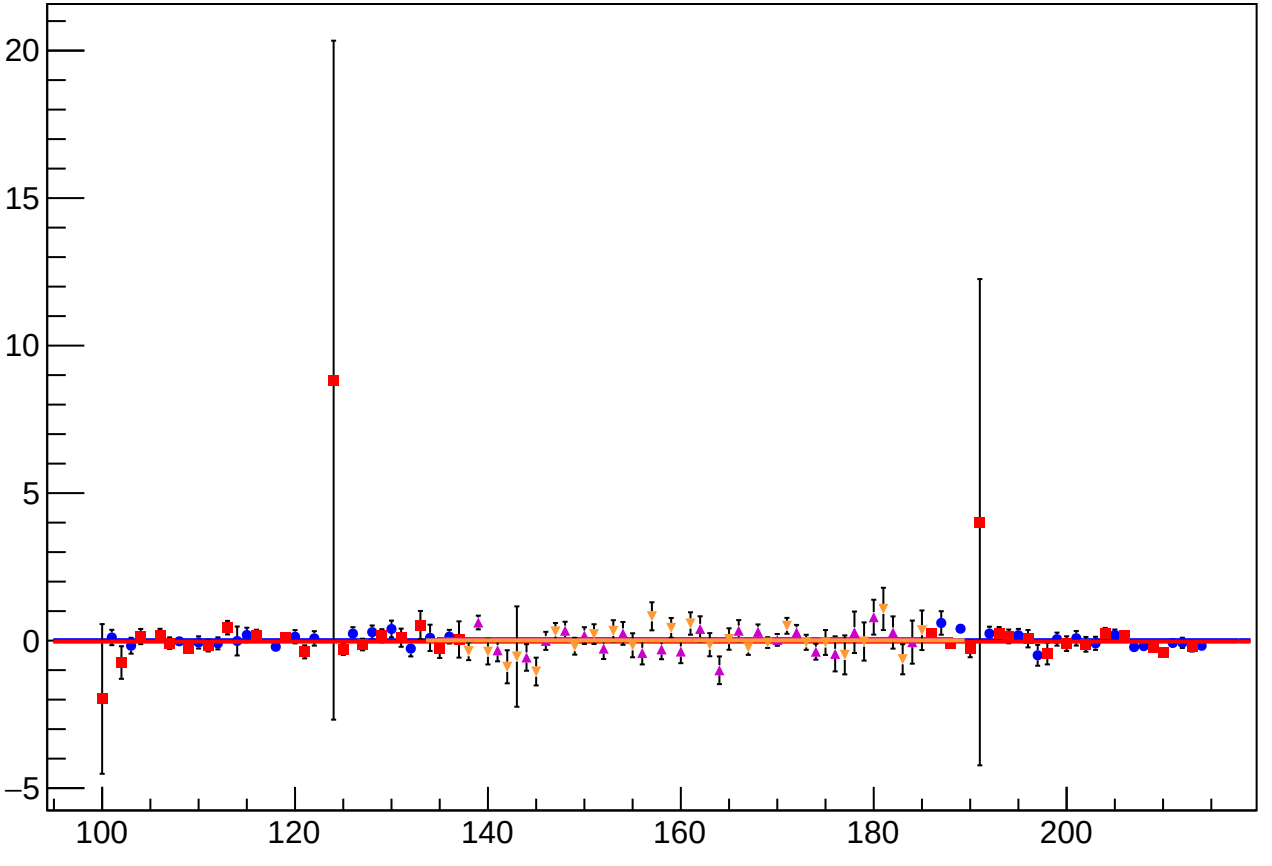
Right: 147.327+/-0.018 χ^2/NDF: 7163182.7/63

In: 184.575+/-0.024 χ^2/NDF:10547629.1/52

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 177.187+/-0.016 χ^2/NDF: 27069459.0/1

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

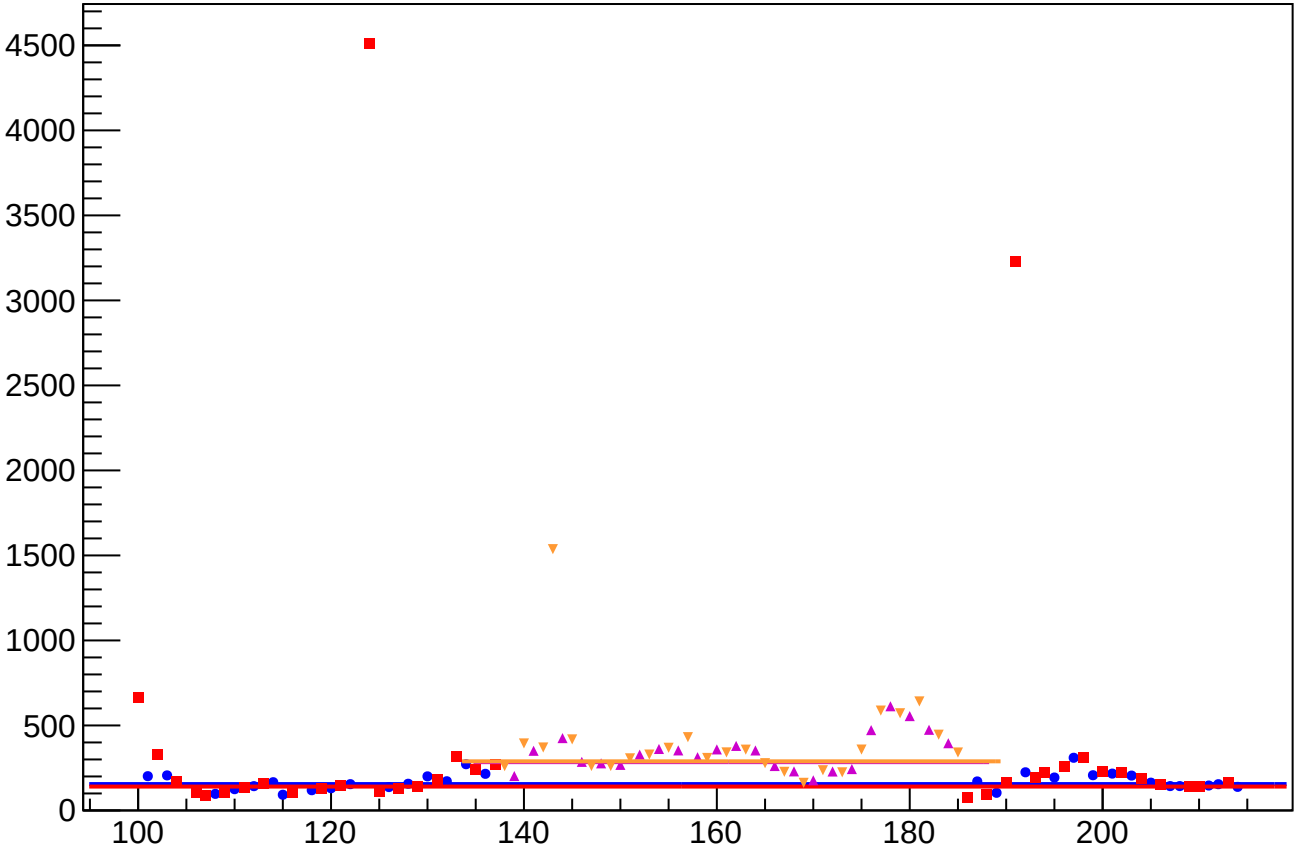
Right: -0.011+/-0.026 χ^2/NDF: 70.9/63

In: 0.024+/-0.034 χ^2/NDF:57.3/52

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: -0.002+/-0.023 χ^2/NDF: 128.3/111

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

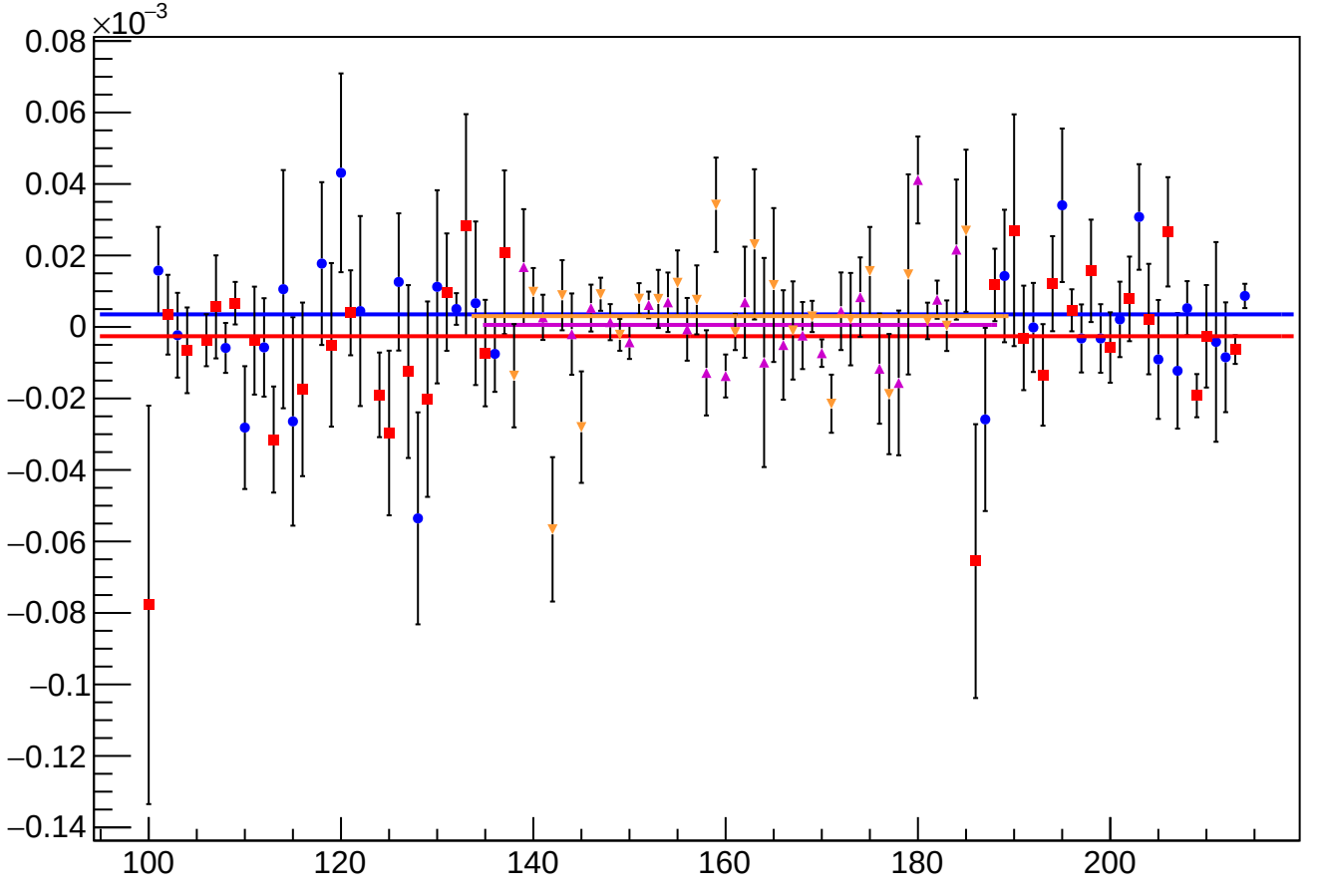
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.327+/-0.018 χ^2/NDF: 7163182.7/63

In: 184.575+/-0.024 χ^2/NDF:10547629.1/52

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 177.187+/-0.016 χ^2/NDF: 27069459.0/1



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

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

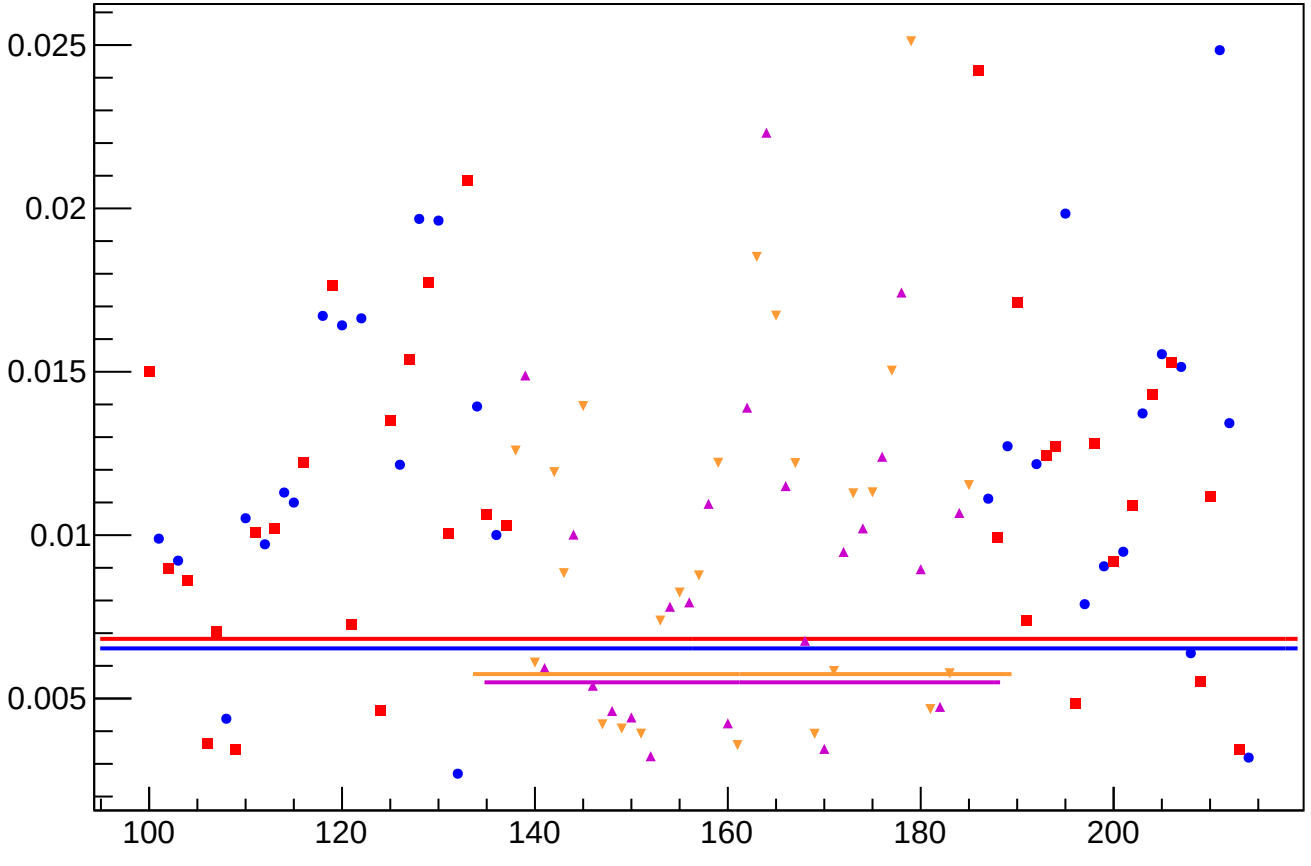
Right: 0.000+/-0.000 χ^2/NDF: 73.4/63

In: 0.000+/-0.000 χ^2/NDF:63.1/52

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 150.8/111

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

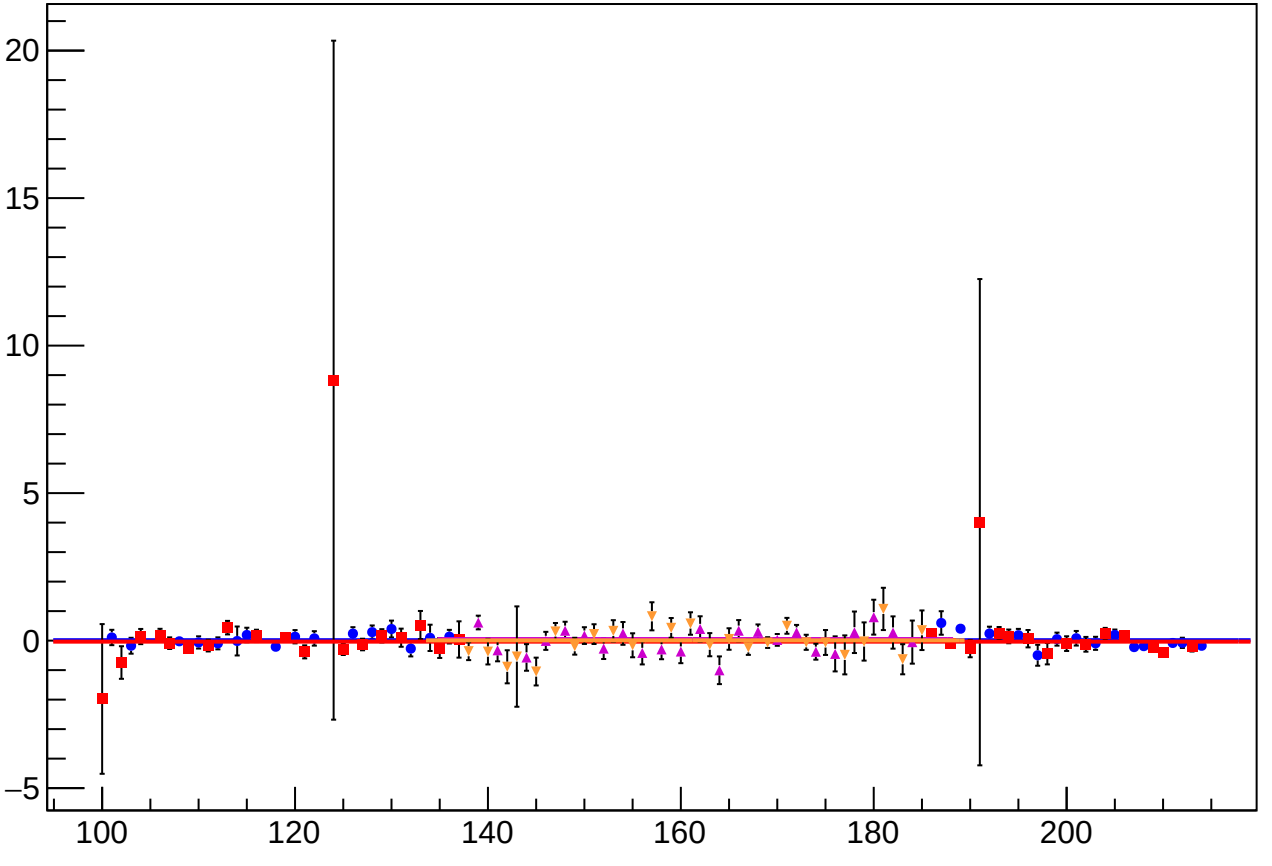
Right: 0.007+/-0.000 χ^2/NDF: 19933600.8/63

In: 0.006+/-0.000 χ^2/NDF:18574902.3/52

Out: 0.006+/-0.000 χ^2/NDF:17173359.8/58

All: 0.006+/-0.000 χ^2/NDF: 35803657.3/111

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

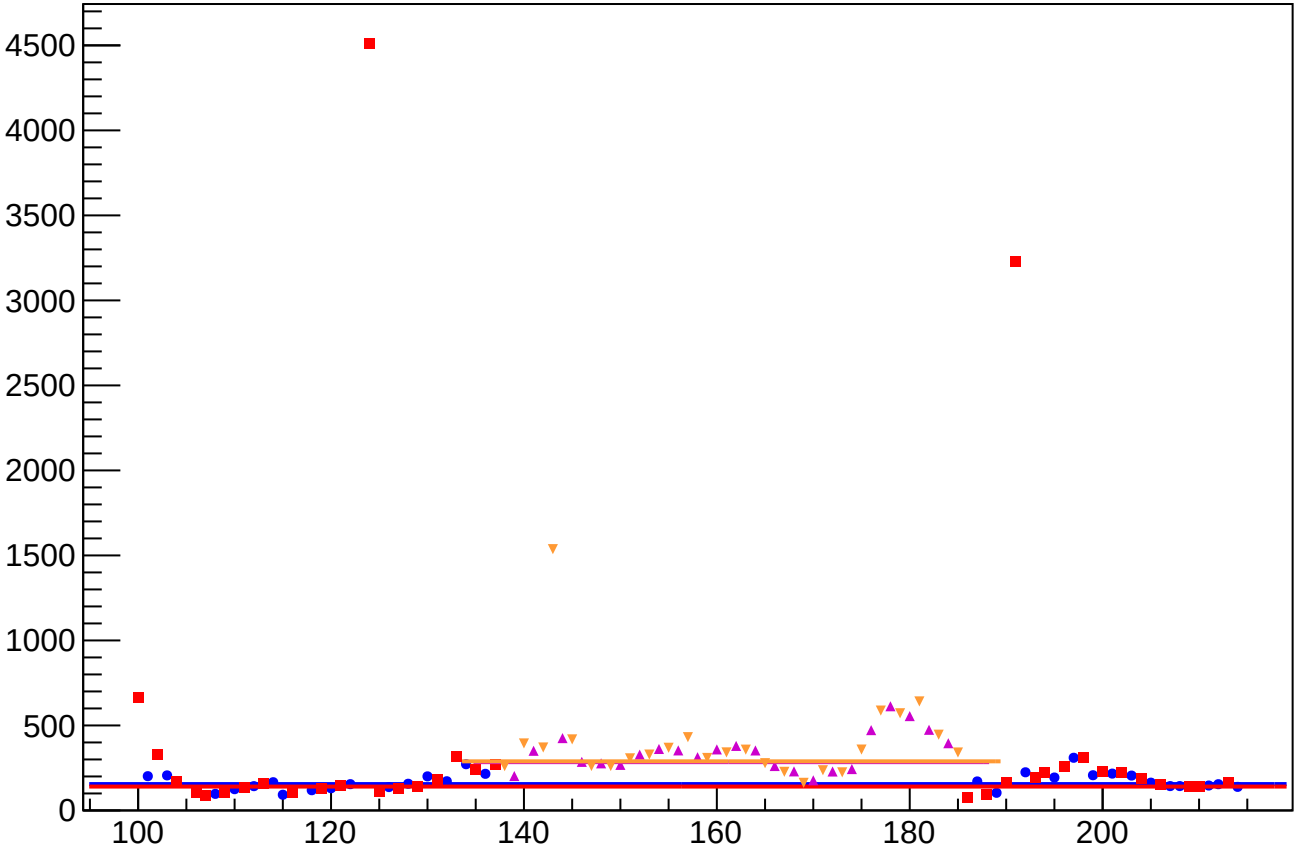
Right: -0.011+/-0.026 χ^2/NDF: 70.9/63

In: 0.024+/-0.034 χ^2/NDF:57.3/52

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: -0.002+/-0.023 χ^2/NDF: 128.3/111

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

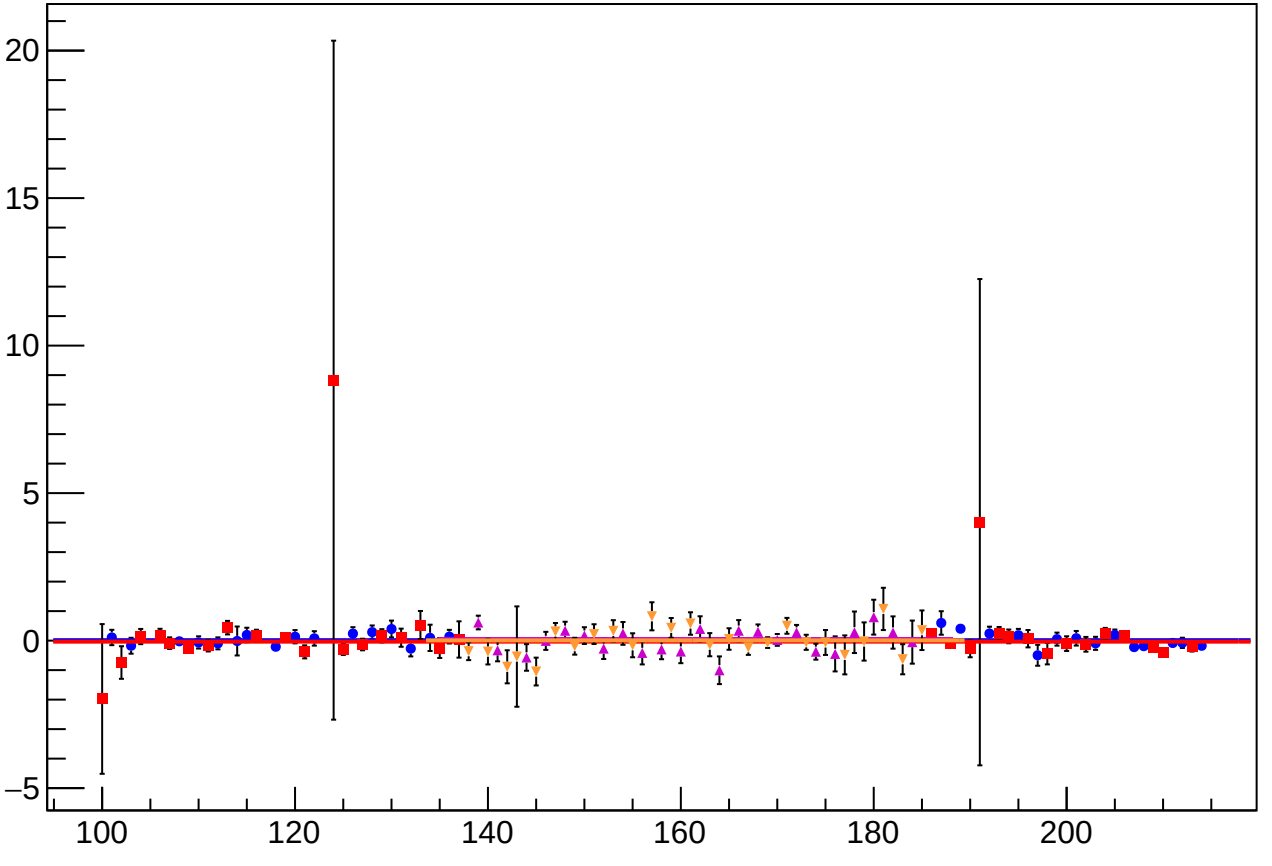
Right: 147.328+/-0.018 χ^2/NDF: 7162976.0/63

In: 184.575+/-0.024 χ^2/NDF:10547742.6/52

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 177.188+/-0.016 χ^2/NDF: 27069361.4/11

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

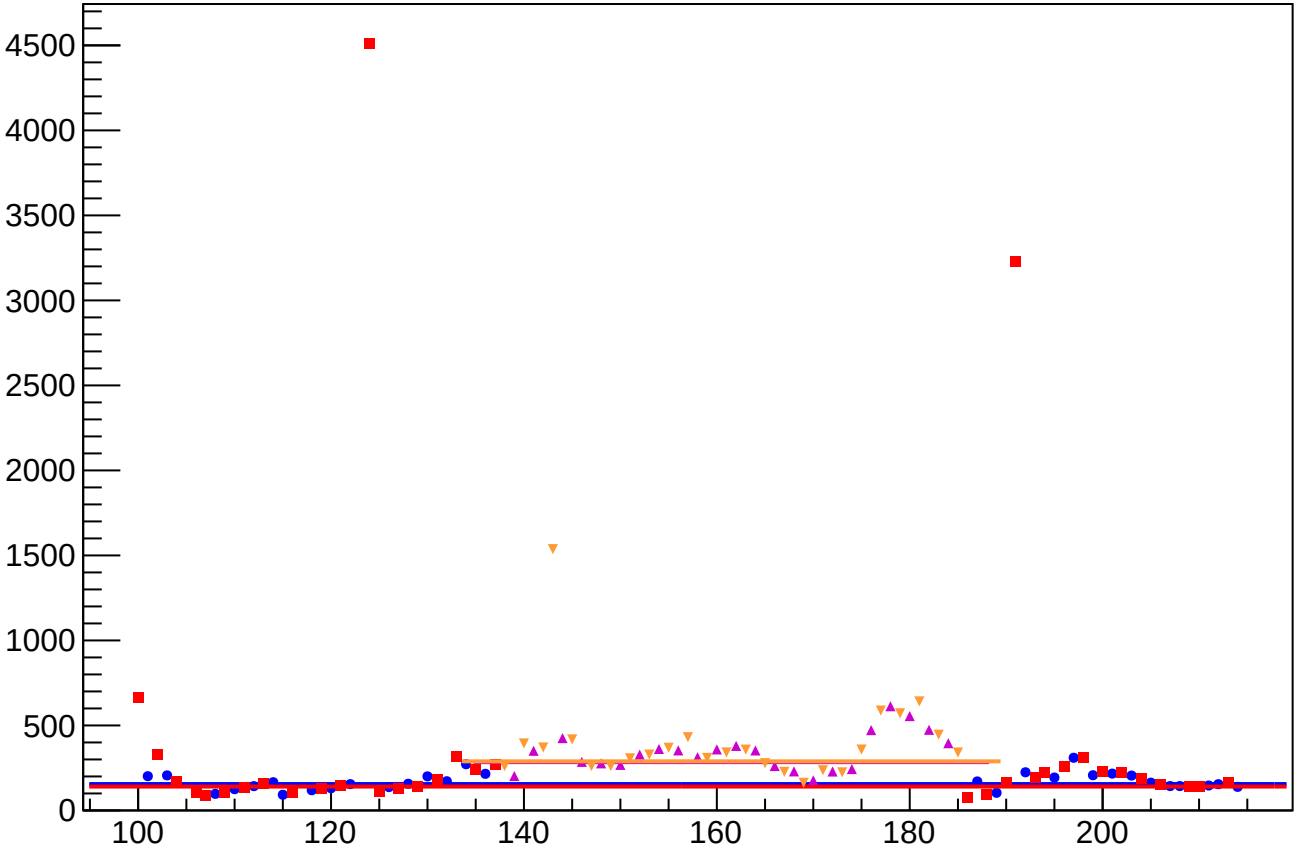
Right: -0.011+/-0.026 χ^2/NDF: 70.9/63

In: 0.024+/-0.034 χ^2/NDF:57.3/52

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: -0.002+/-0.023 χ^2/NDF: 128.3/111

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

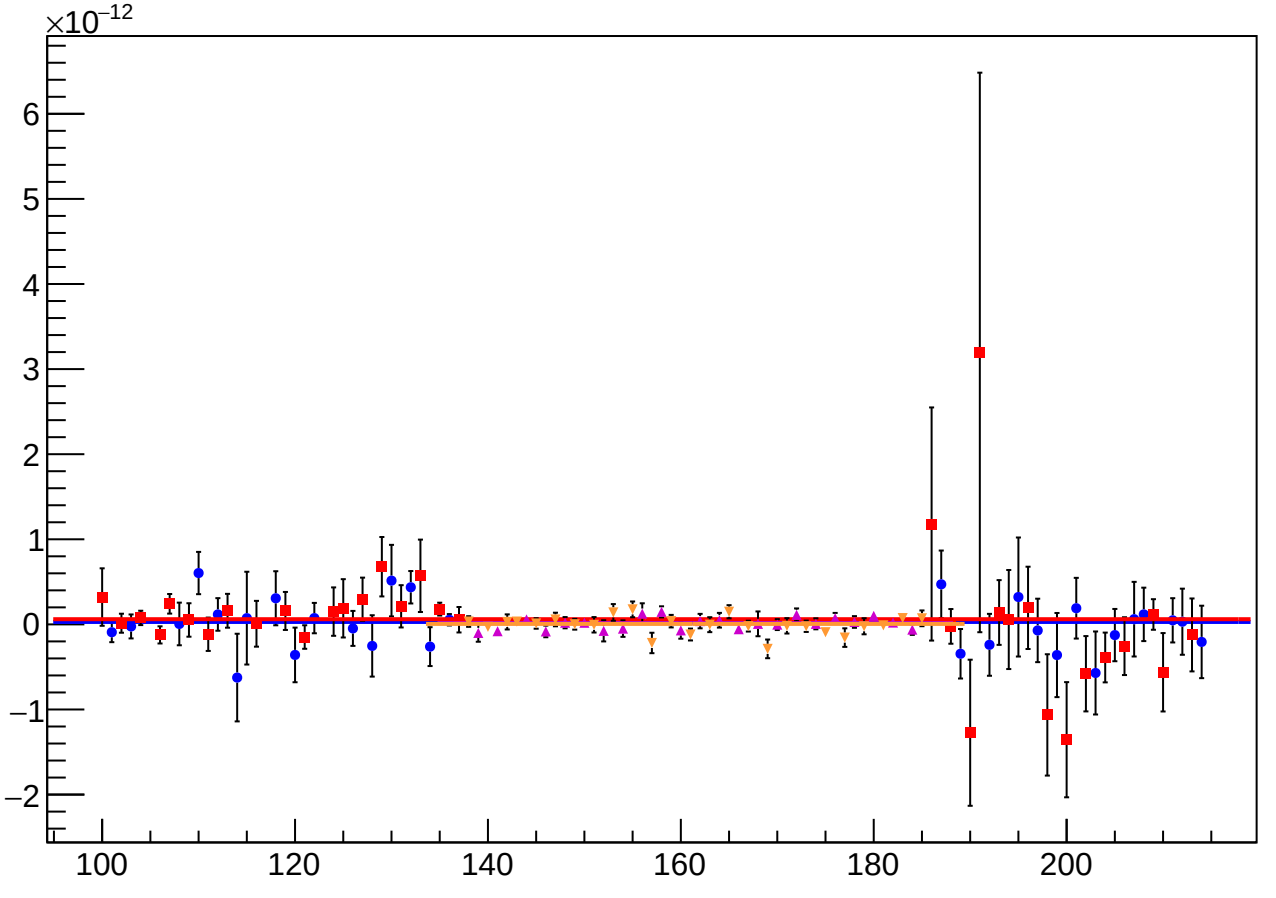
Right: 147.328+/-0.018 χ^2/NDF: 7162976.0/63

In: 184.575+/-0.024 χ^2/NDF:10547742.6/52

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 177.188+/-0.016 χ^2/NDF: 27069361.4/11

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

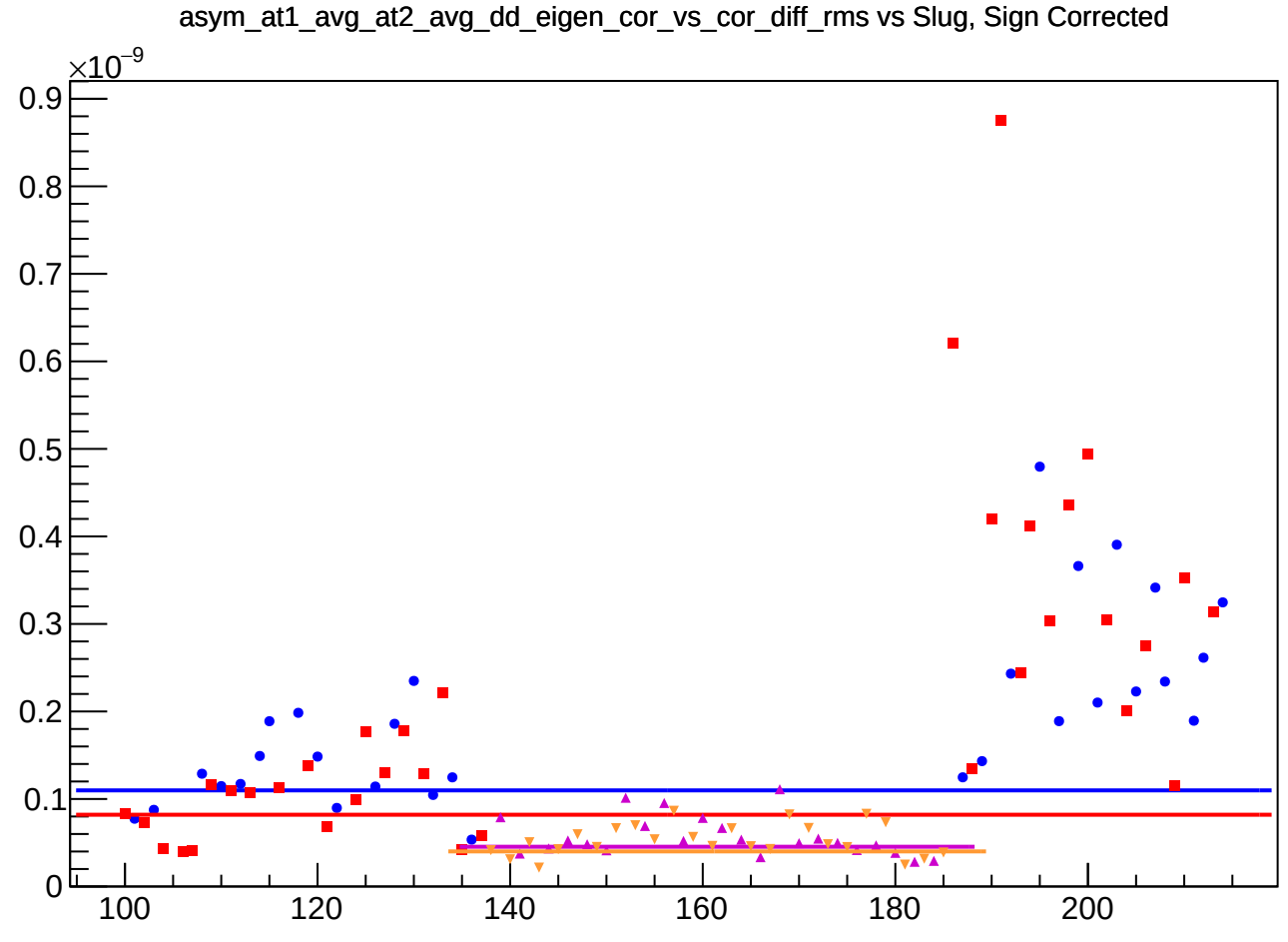
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

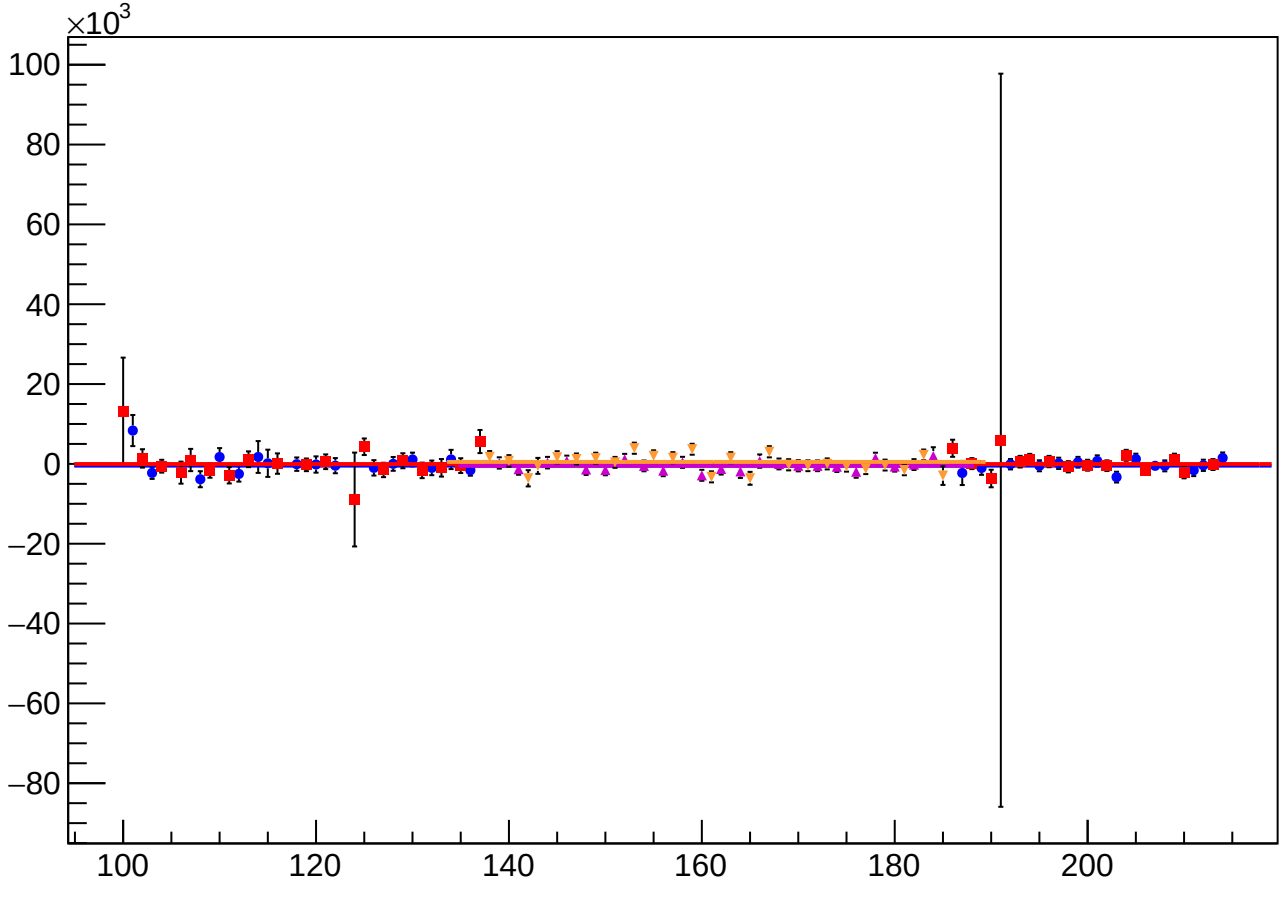
Right: 0.000+/-0.000 χ^2/NDF: 63.5/63

In: 0.000+/-0.000 χ^2/NDF:49.1/52

Out: 0.000+/-0.000 χ^2/NDF:74.0/58

All: 0.000+/-0.000 χ^2/NDF: 123.2/111


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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: 6619338.7/29
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 8993126.0/33
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
Left: 0.000+/-0.000 χ²/NDF: 6559252.5/47
Right: 0.000+/-0.000 χ²/NDF: 16214817.1/63
In: 0.000+/-0.000 χ²/NDF:14222997.7/52
Out: 0.000+/-0.000 χ²/NDF:15559745.2/58
All: 0.000+/-0.000 χ²/NDF: 30108280.9/111



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

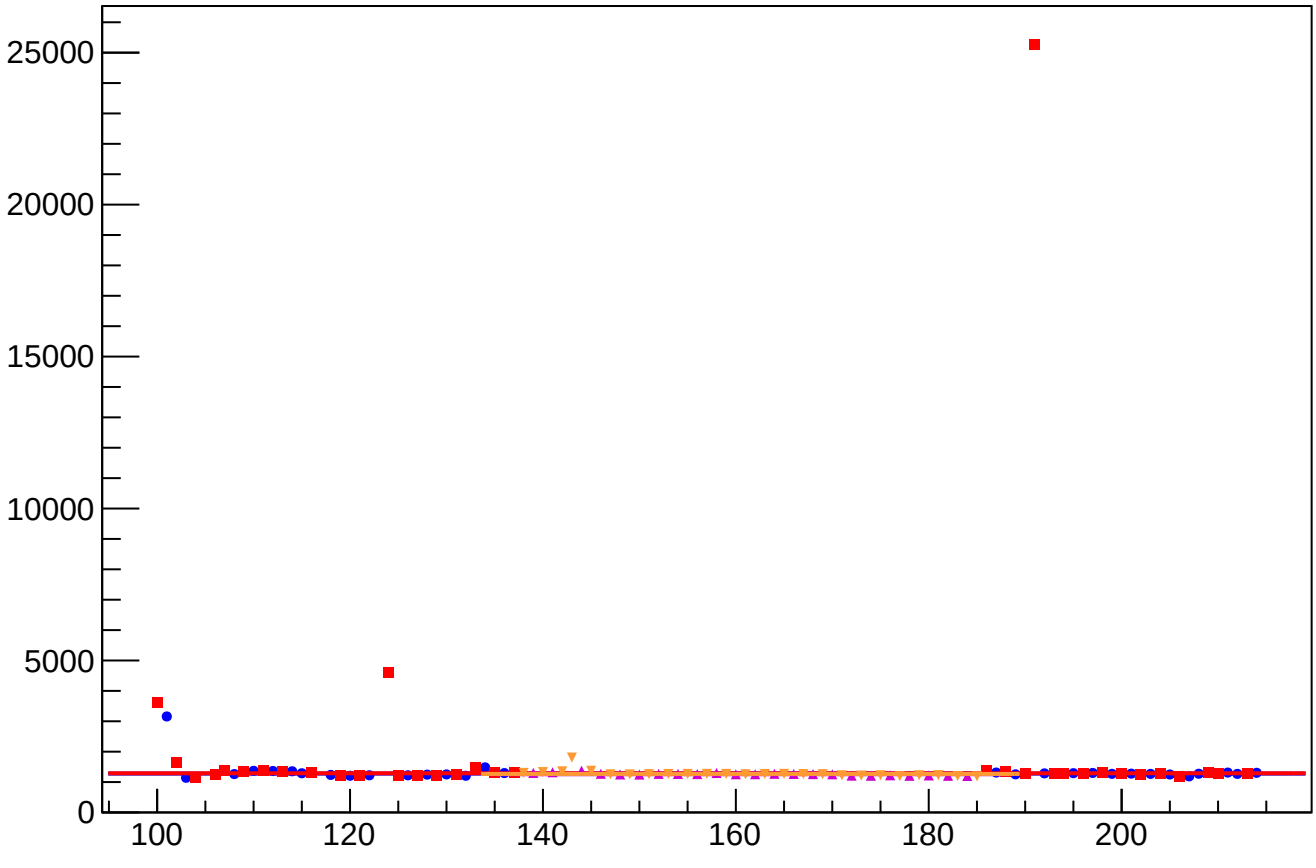
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -234.815+/-212.727 χ^2/NDF: 56.4/63

In: -457.436+/-210.227 χ^2/NDF:38.9/52

Out: 235.437+/-208.181 χ^2/NDF:79.7/58

All: -107.611+/-147.924 χ^2/NDF: 124.1/111



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

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

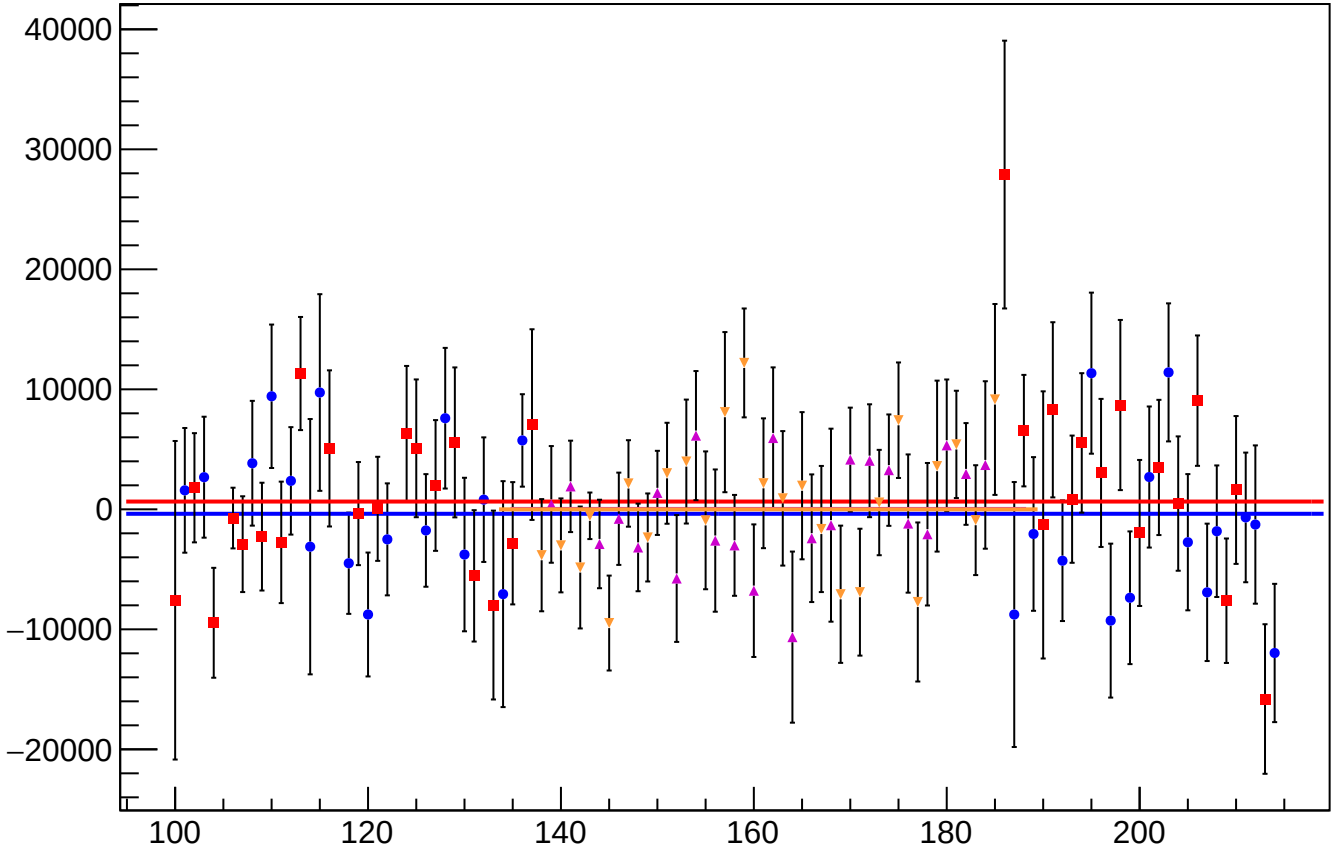
Right: 1283.948+/-0.150 χ^2/NDF: 1014188.8/63

In: 1267.881+/-0.149 χ^2/NDF:572123.5/52

Out: 1277.611+/-0.147 χ^2/NDF:675966.6/58

All: 1272.796+/-0.105 χ^2/NDF: 1250254.6/11

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



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

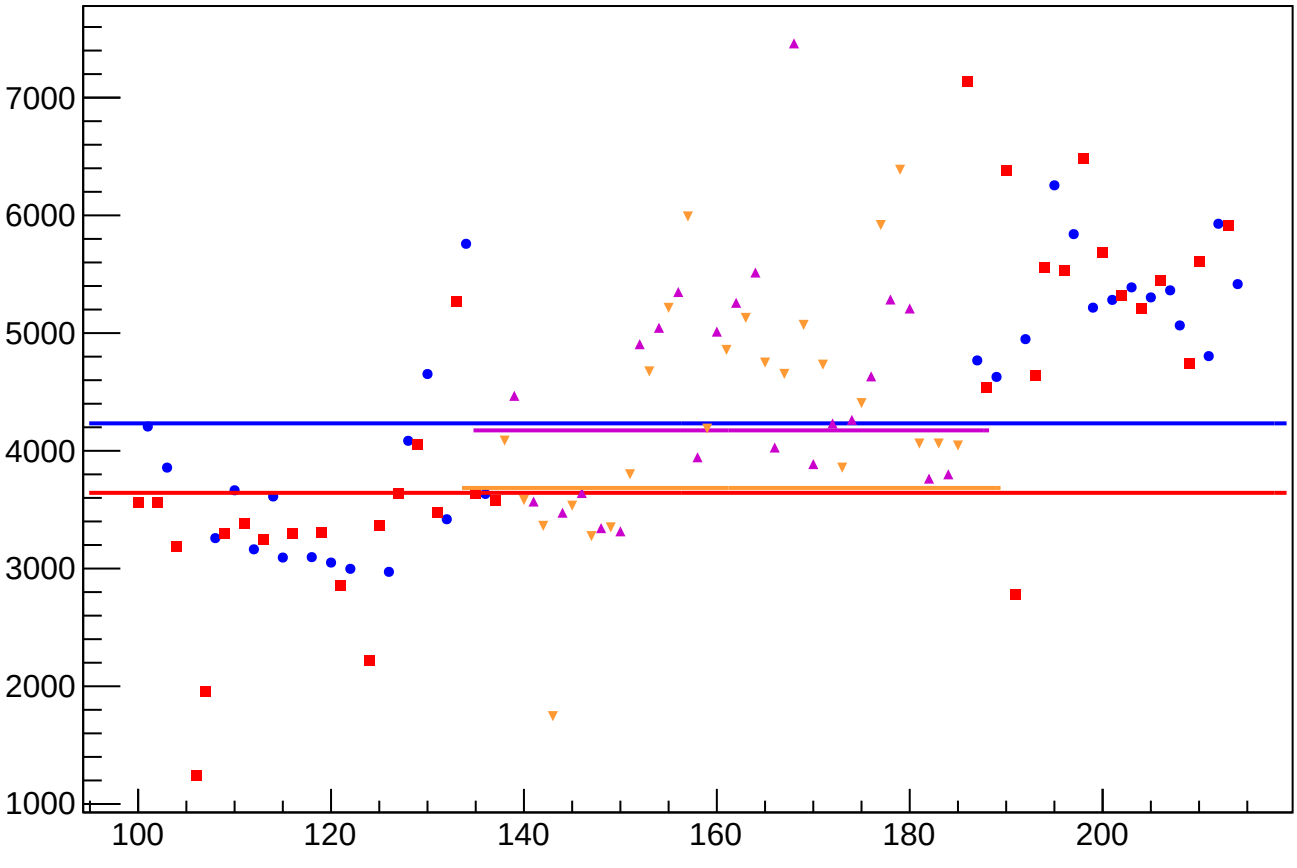
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 197.728+/-677.543 χ^2/NDF: 75.4/63

In: -165.190+/-712.203 χ^2/NDF:46.9/52

Out: 316.432+/-633.887 χ^2/NDF:71.3/58

All: 103.547+/-473.503 χ^2/NDF: 118.5/111



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

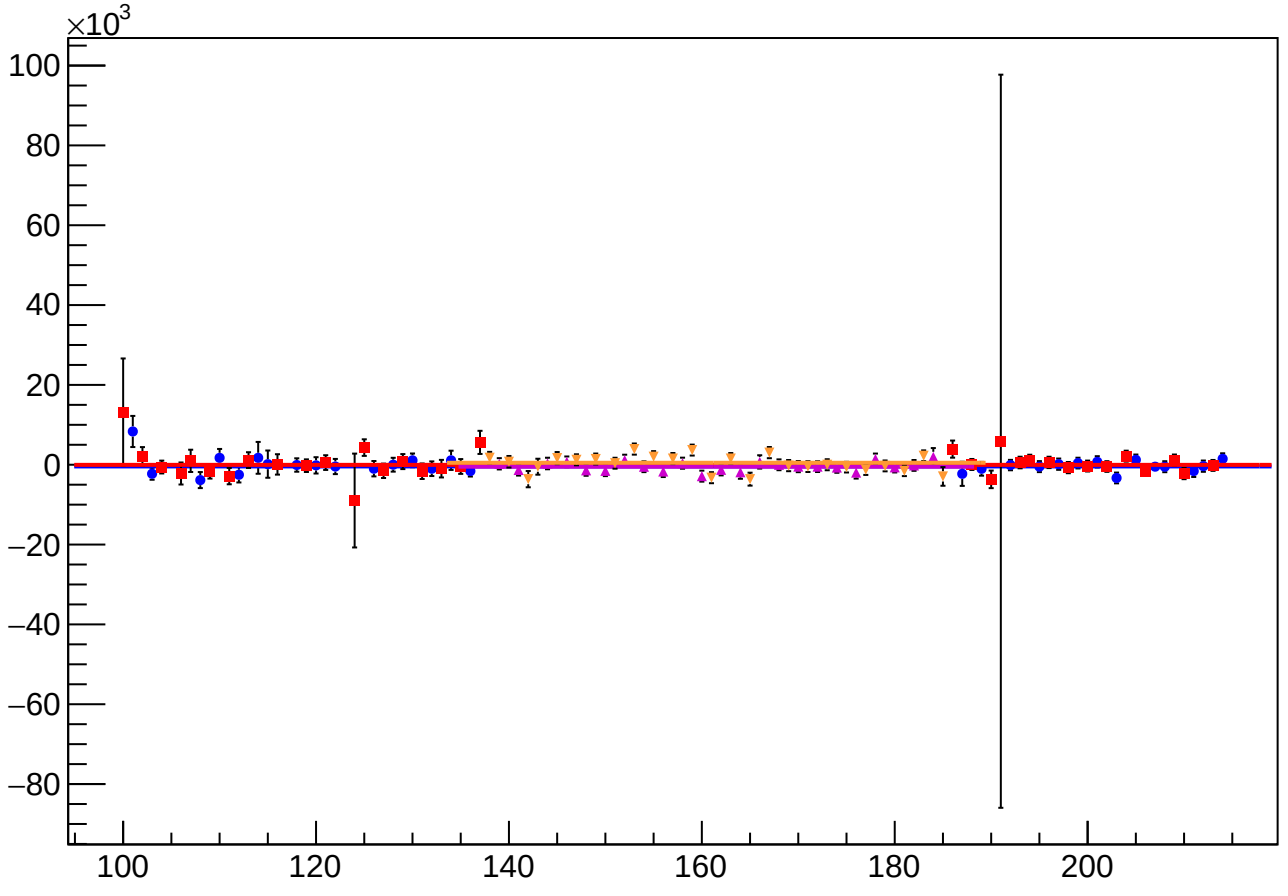
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3903.734+/-0.479 χ^2/NDF: 7408769.0/63

In: 4202.673+/-0.504 χ^2/NDF:3233689.3/52

Out: 3664.401+/-0.448 χ^2/NDF:8775216.7/58

All: 3902.326+/-0.335 χ^2/NDF: 12646359.8/1



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

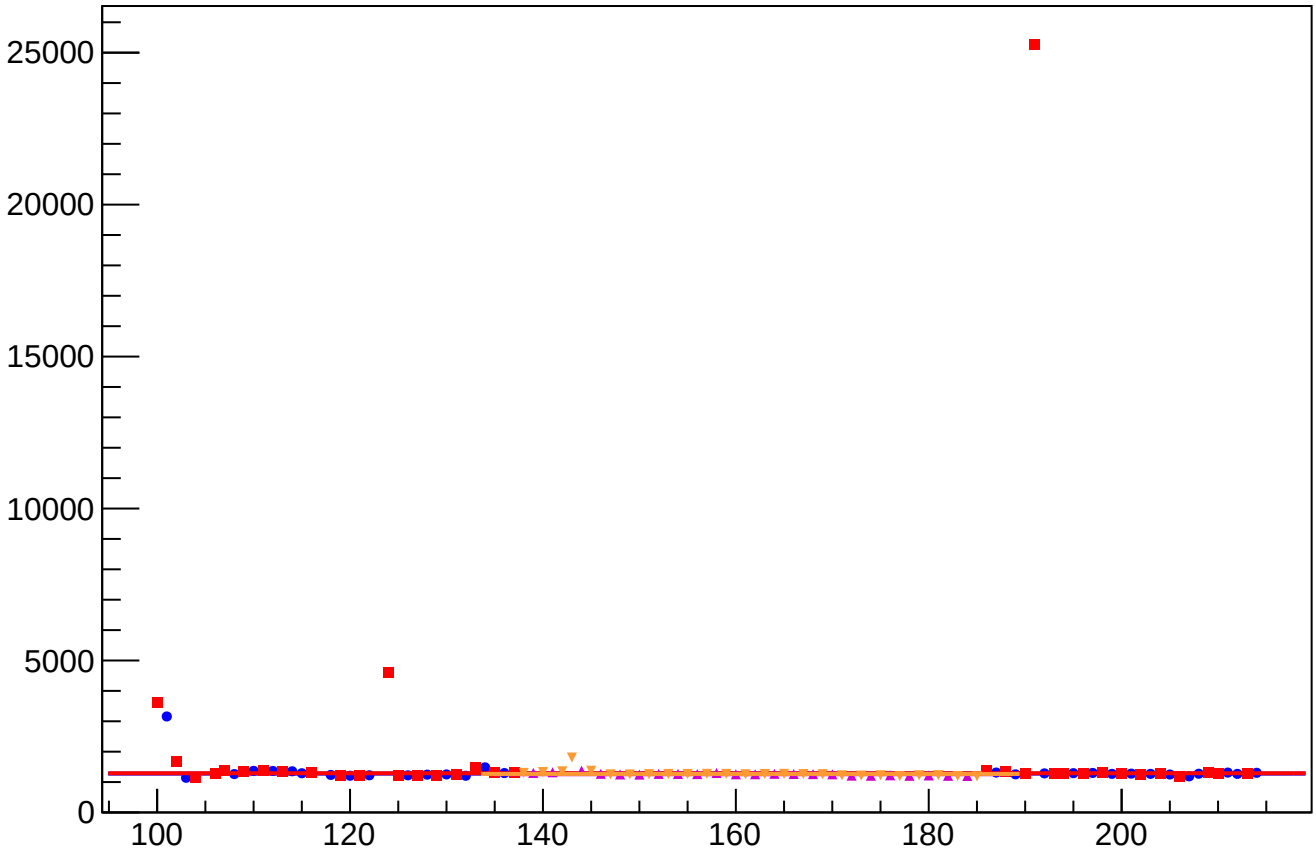
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -229.428+/-212.754 χ^2/NDF: 56.9/63

In: -457.455+/-210.227 χ^2/NDF:38.9/52

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -104.960+/-147.933 χ^2/NDF: 124.5/111



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

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

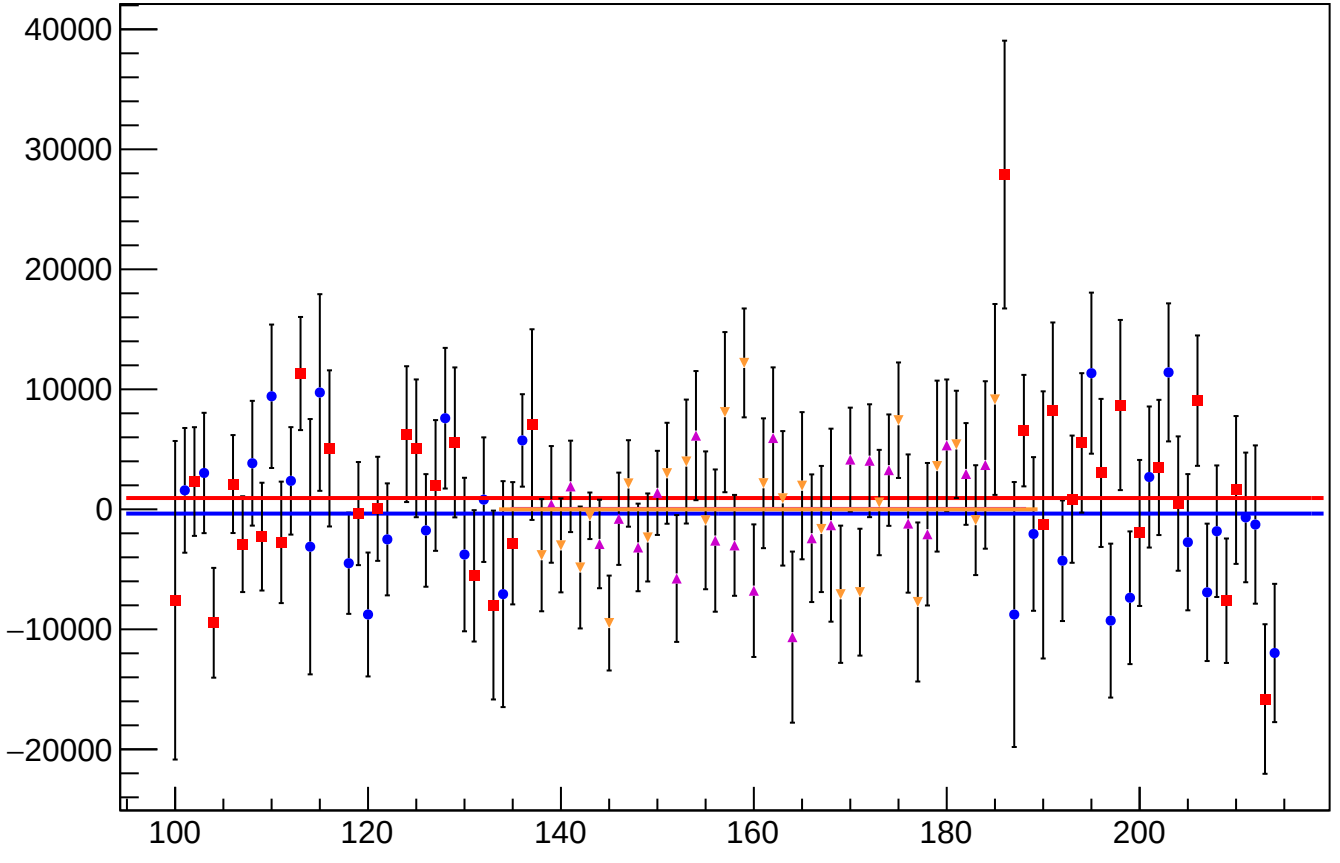
Right: 1284.326+/-0.150 χ^2/NDF: 1021248.9/63

In: 1267.881+/-0.149 χ^2/NDF:572124.9/52

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1272.976+/-0.105 χ^2/NDF: 1257688.3/11

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected



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

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

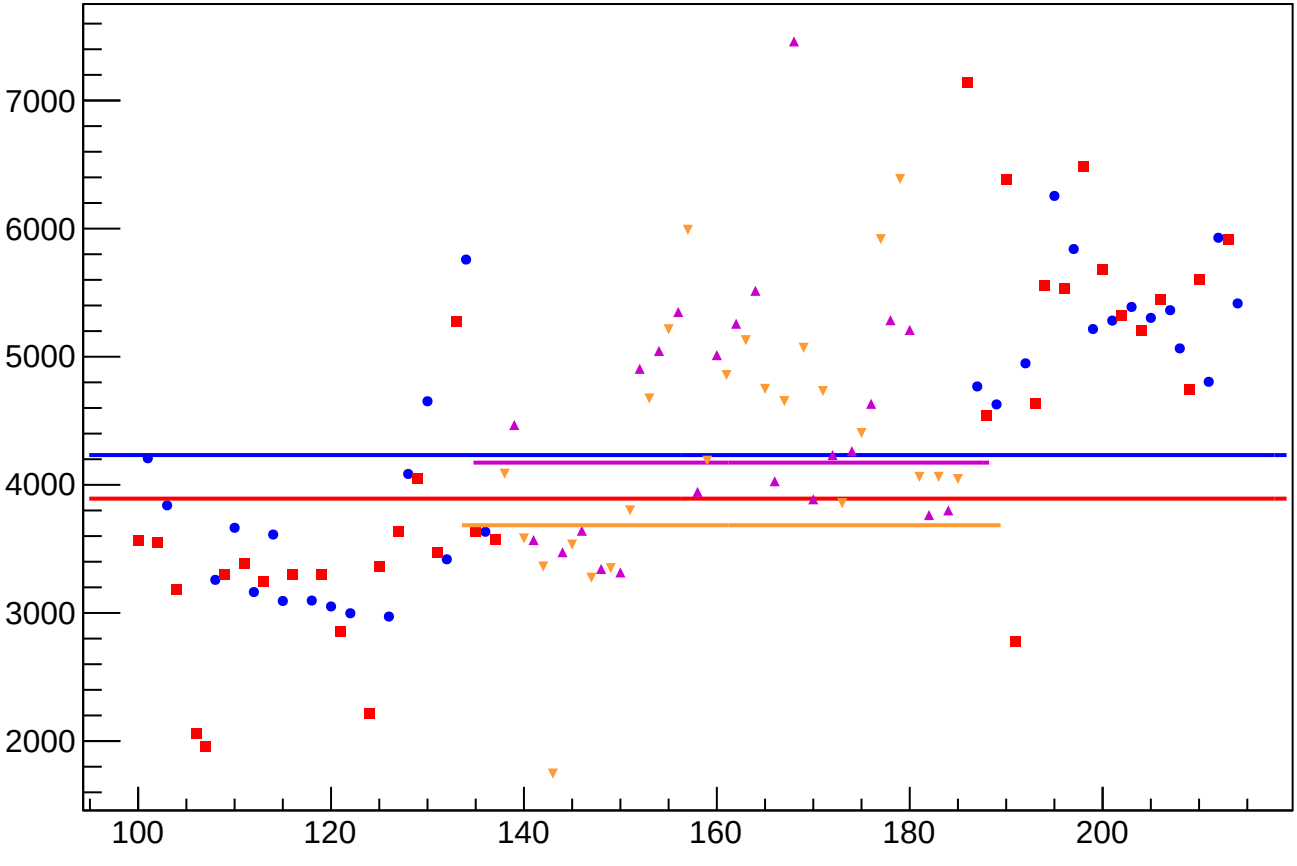
Right: 341.315+/-692.869 χ^2/NDF: 75.6/63

In: -157.567+/-712.132 χ^2/NDF:47.0/52

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 170.033+/-478.644 χ^2/NDF: 118.8/111

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



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

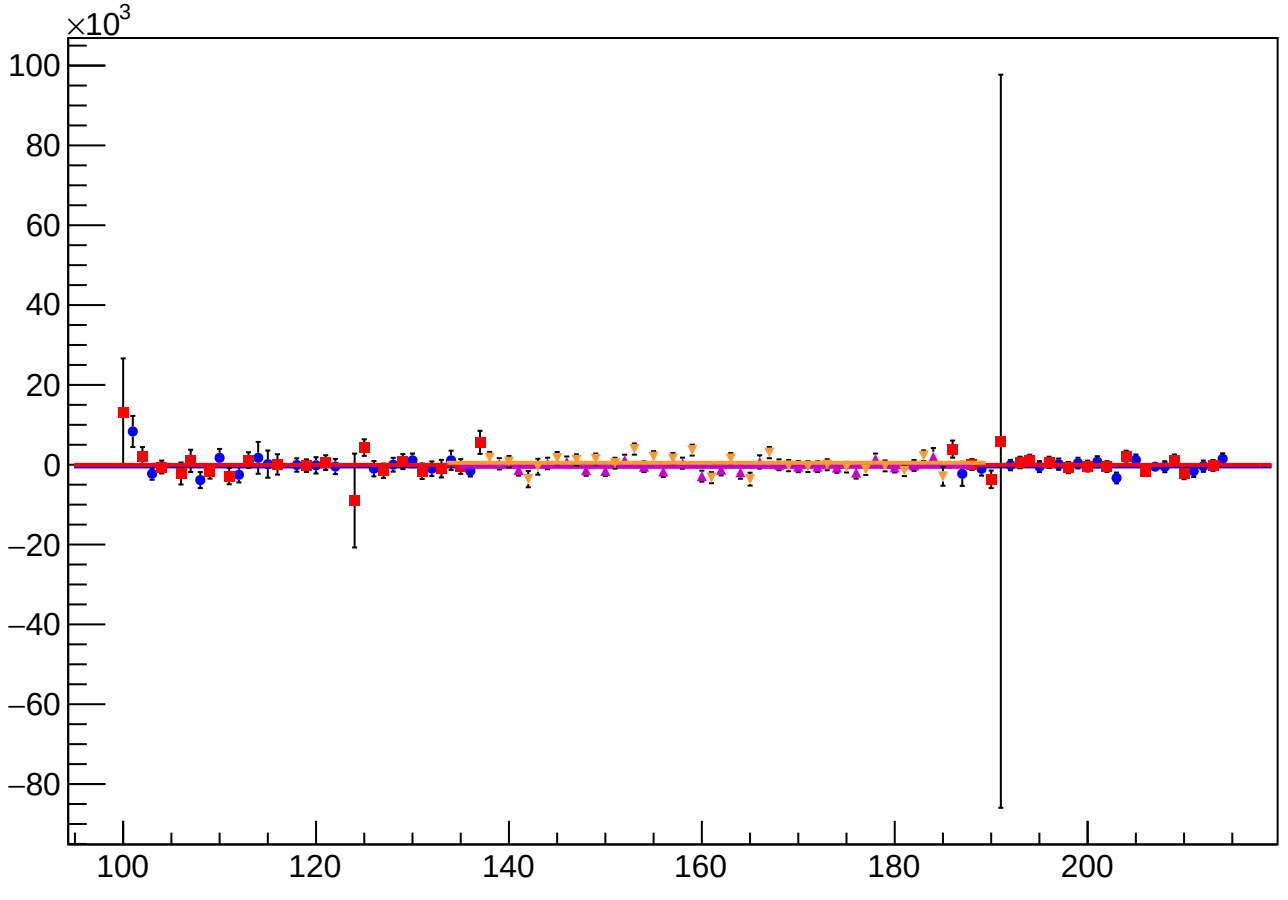
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4049.551+/-0.490 χ^2/NDF: 5514137.1/63

In: 4202.268+/-0.504 χ^2/NDF:3234766.9/52

Out: 3782.036+/-0.457 χ^2/NDF:7183241.0/58

All: 3971.879+/-0.338 χ^2/NDF: 10799829.2/1



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

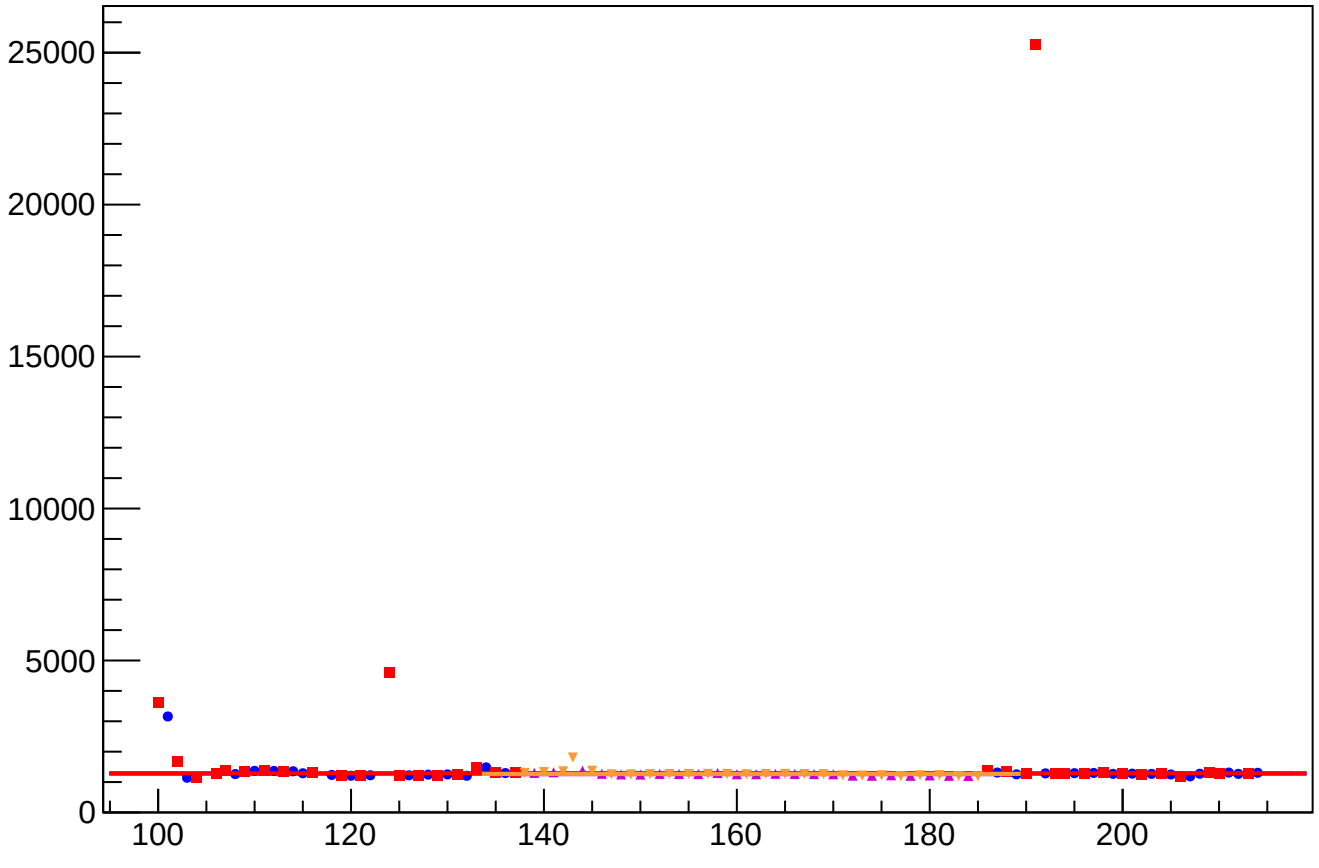
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -229.428+/-212.754 χ^2/NDF: 56.9/63

In: -457.455+/-210.227 χ^2/NDF:38.9/52

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -104.960+/-147.933 χ^2/NDF: 124.5/111



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

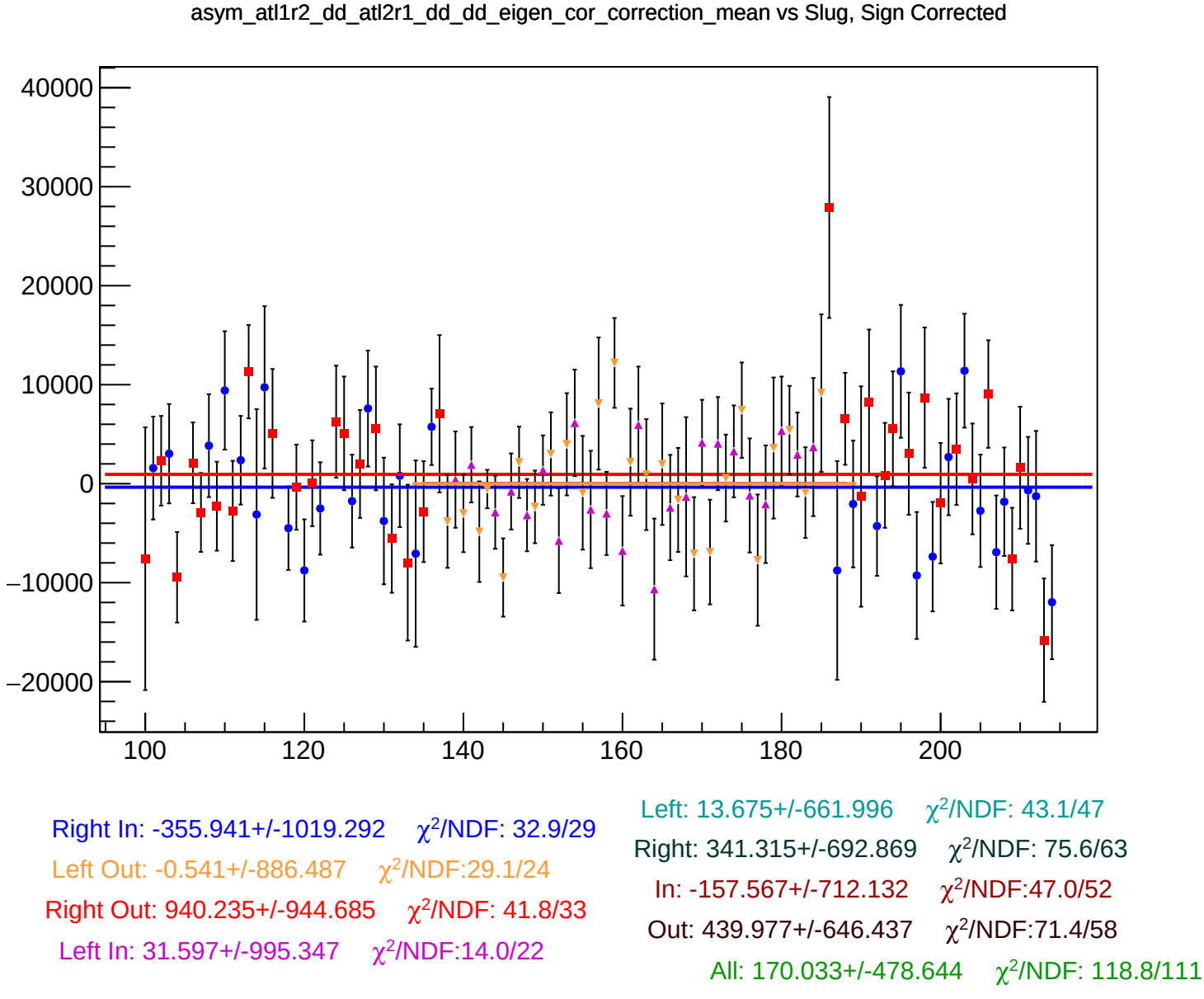
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

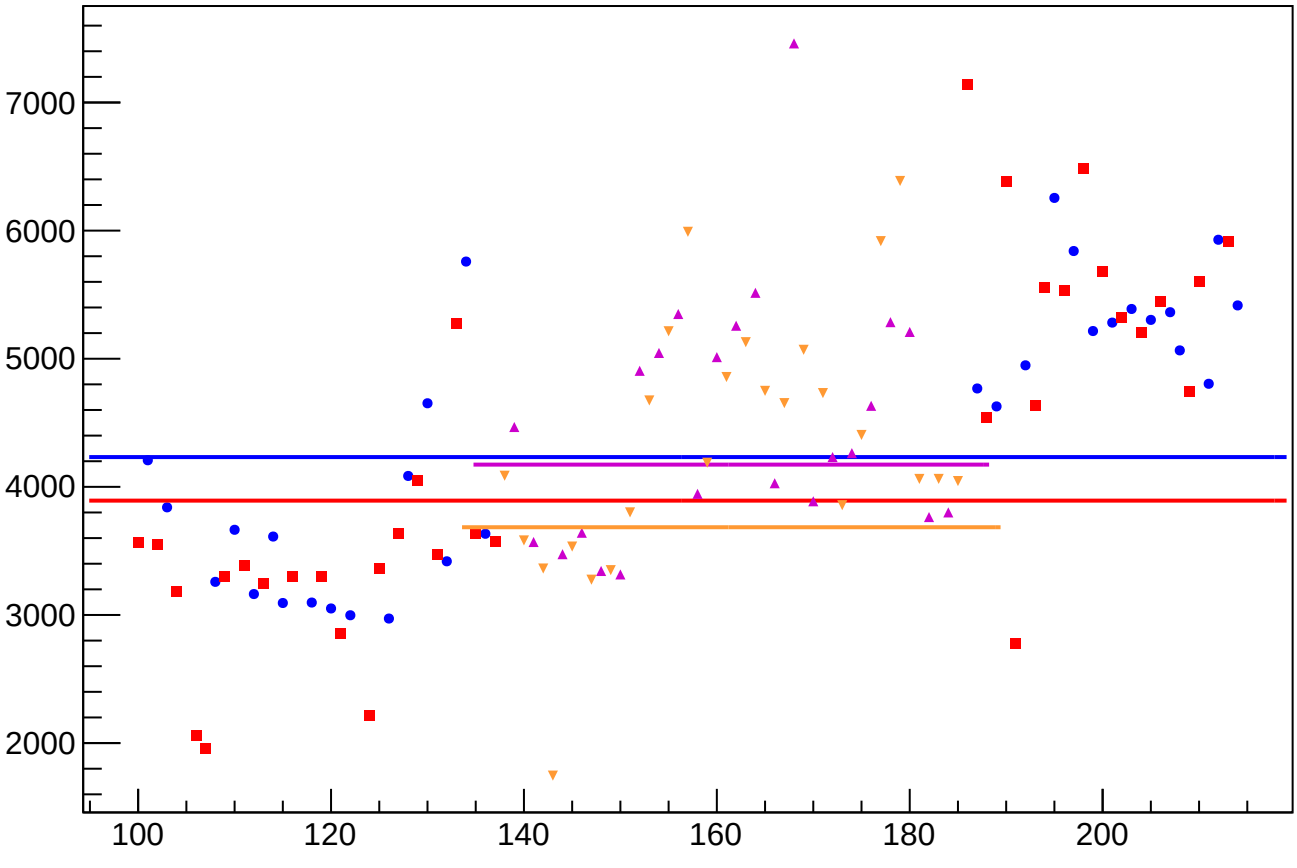
Right: 1284.326+/-0.150 χ^2/NDF: 1021248.9/63

In: 1267.881+/-0.149 χ^2/NDF:572124.9/52

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1272.976+/-0.105 χ^2/NDF: 1257688.3/11


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -355.941+/-1019.292 χ²/NDF: 32.9/29
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 940.235+/-944.685 χ²/NDF: 41.8/33
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 341.315+/-692.869 χ²/NDF: 75.6/63
In: -157.567+/-712.132 χ²/NDF:47.0/52
Out: 439.977+/-646.437 χ²/NDF:71.4/58
All: 170.033+/-478.644 χ²/NDF: 118.8/111



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

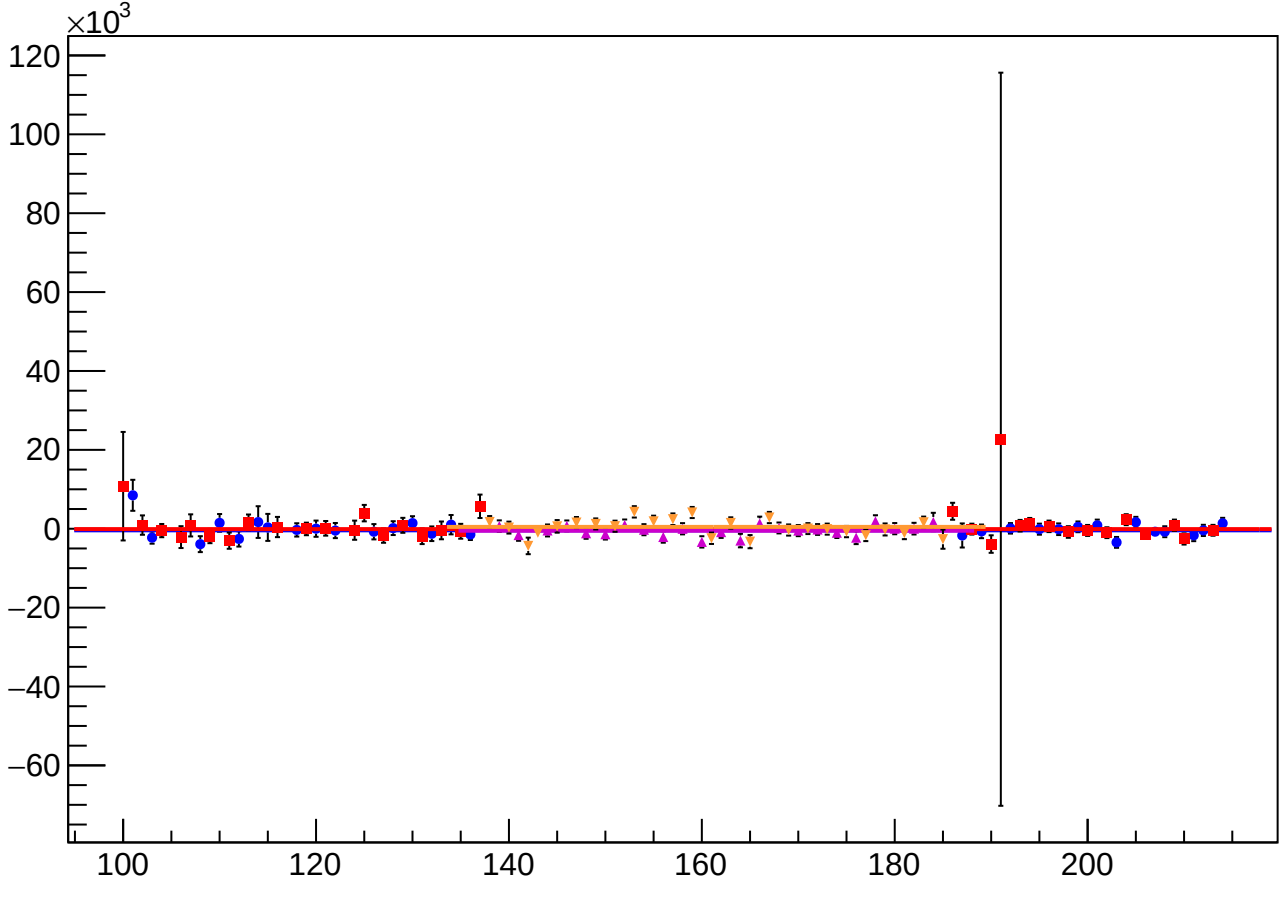
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4049.551+/-0.490 χ^2/NDF: 5514137.1/63

In: 4202.268+/-0.504 χ^2/NDF:3234766.9/52

Out: 3782.036+/-0.457 χ^2/NDF:7183241.0/58

All: 3971.879+/-0.338 χ^2/NDF: 10799829.2/1



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

Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

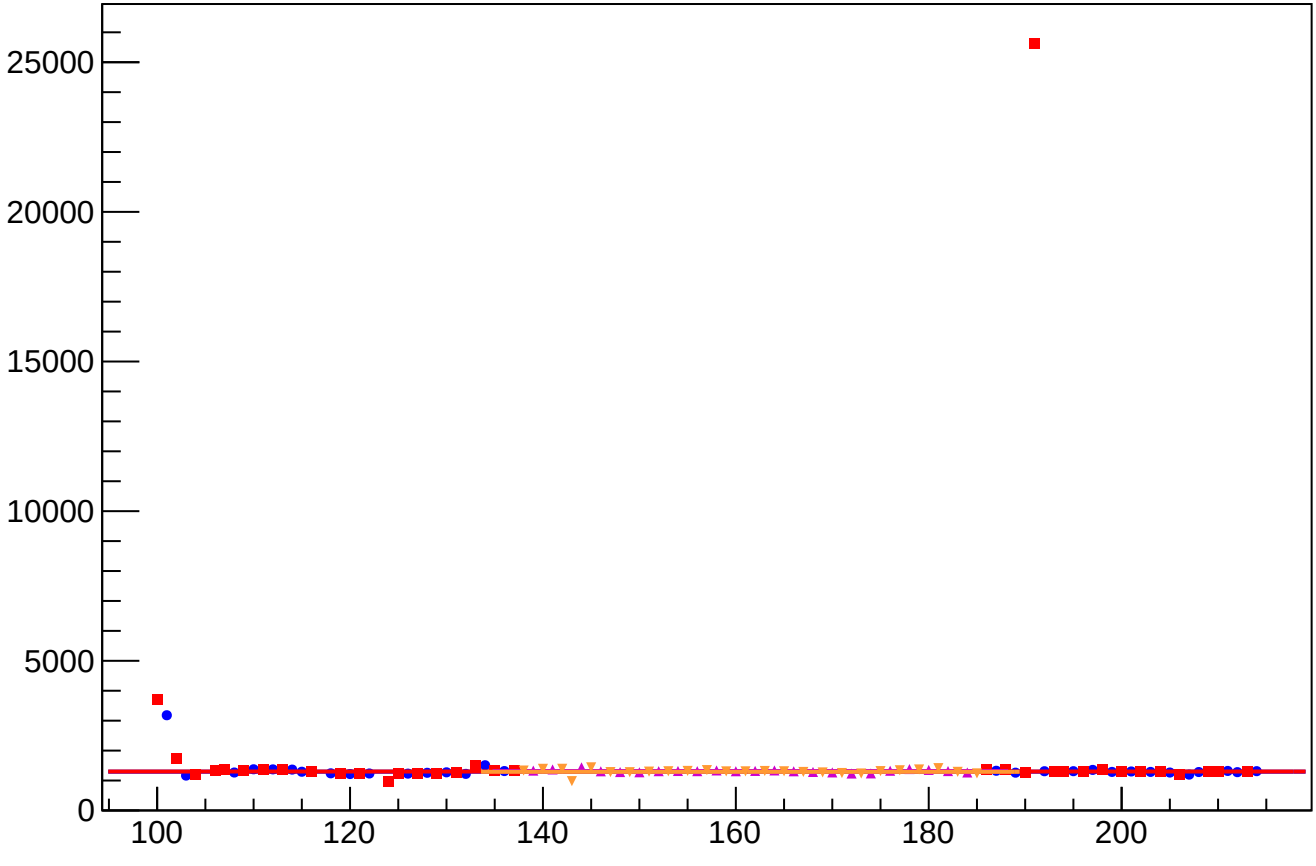
Right: -246.682+/-214.948 χ^2/NDF: 58.9/63

In: -451.933+/-216.356 χ^2/NDF:43.1/52

Out: 195.165+/-211.118 χ^2/NDF:78.6/58

All: -120.457+/-151.101 χ^2/NDF: 126.3/111

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected



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

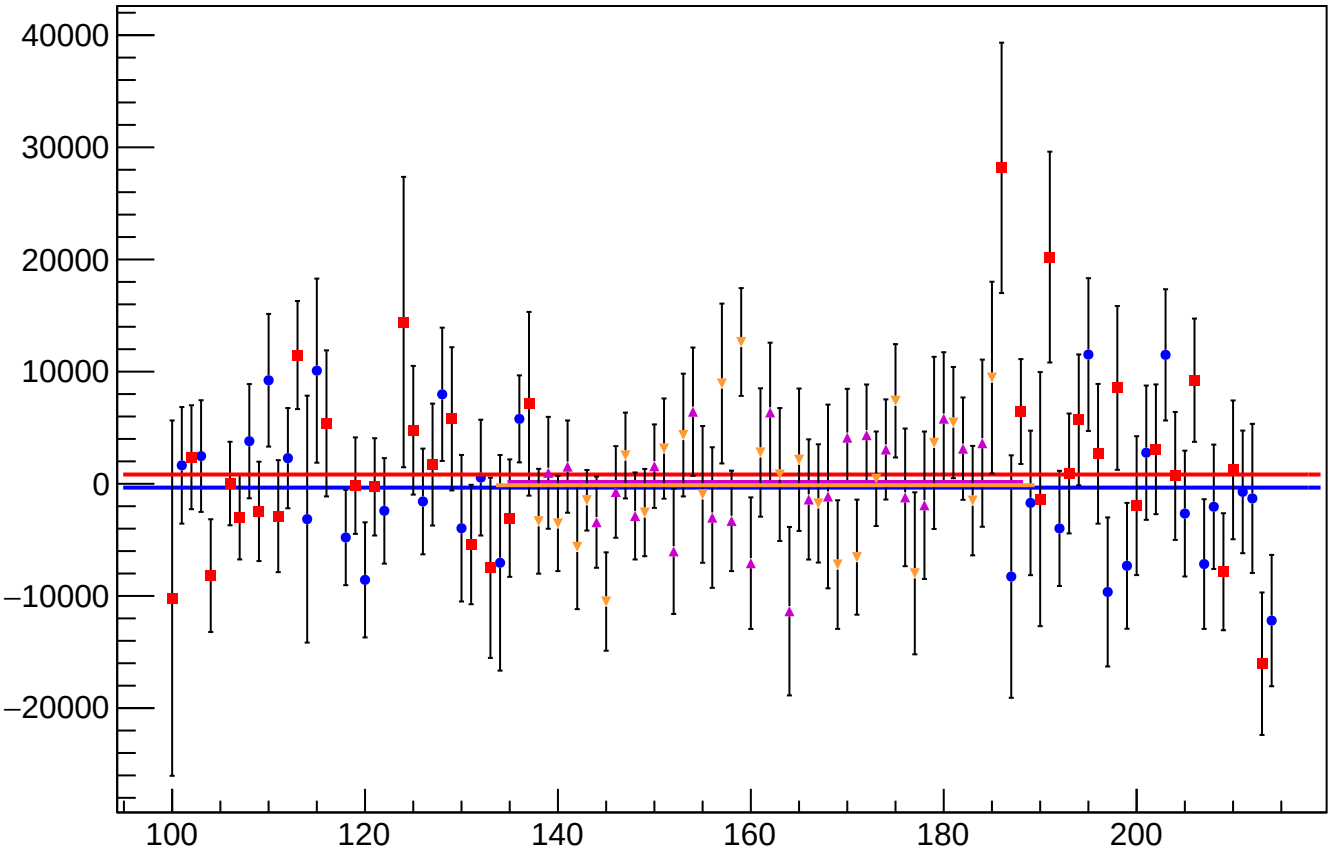
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1298.150+/-0.152 χ^2/NDF: 908804.8/63

In: 1304.584+/-0.153 χ^2/NDF:576890.8/52

Out: 1295.948+/-0.149 χ^2/NDF:610152.9/58

All: 1300.159+/-0.107 χ^2/NDF: 1188676.2/11



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

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

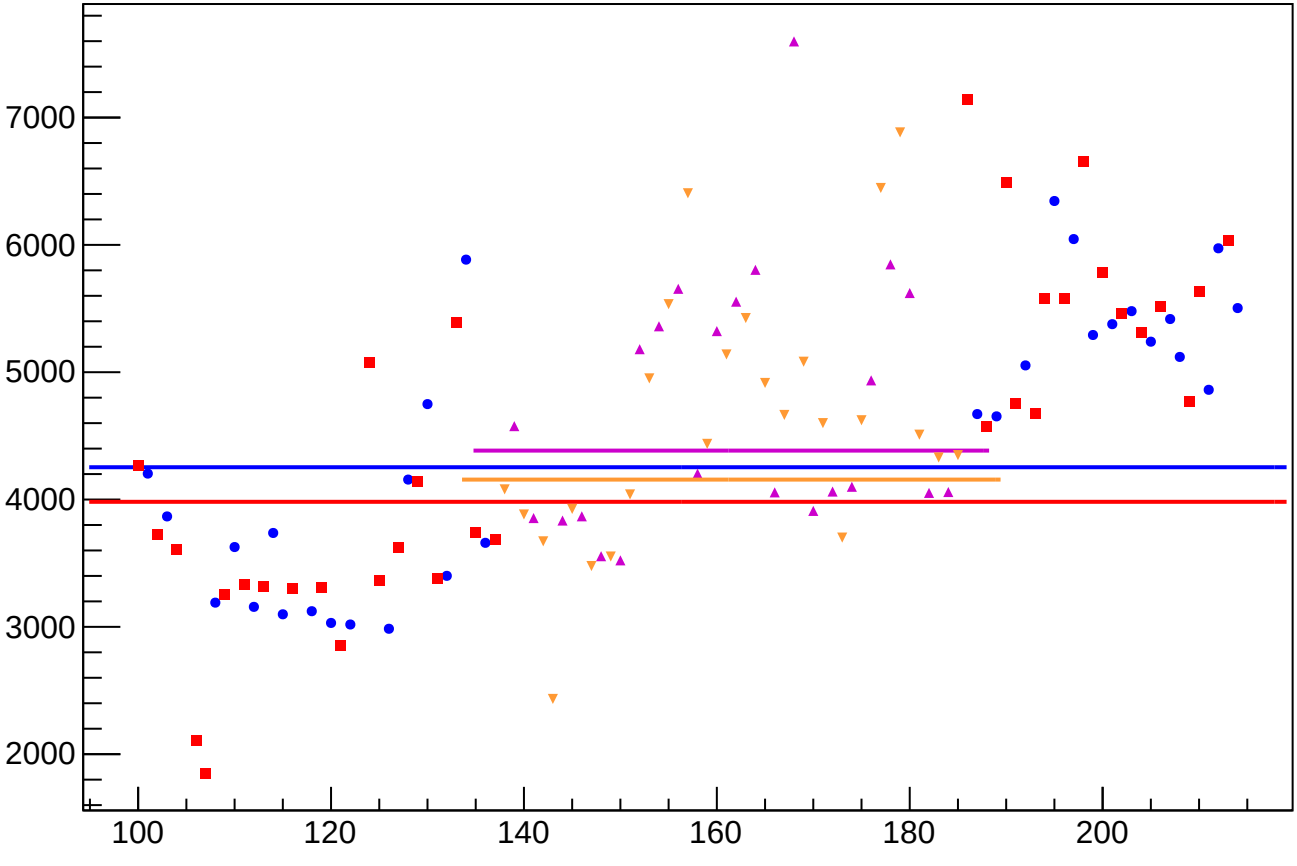
Right: 281.653+/-701.120 χ^2/NDF: 76.9/63

In: -95.694+/-732.152 χ^2/NDF:46.6/52

Out: 358.596+/-685.065 χ^2/NDF:72.5/58

All: 146.528+/-500.233 χ^2/NDF: 119.3/111

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



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

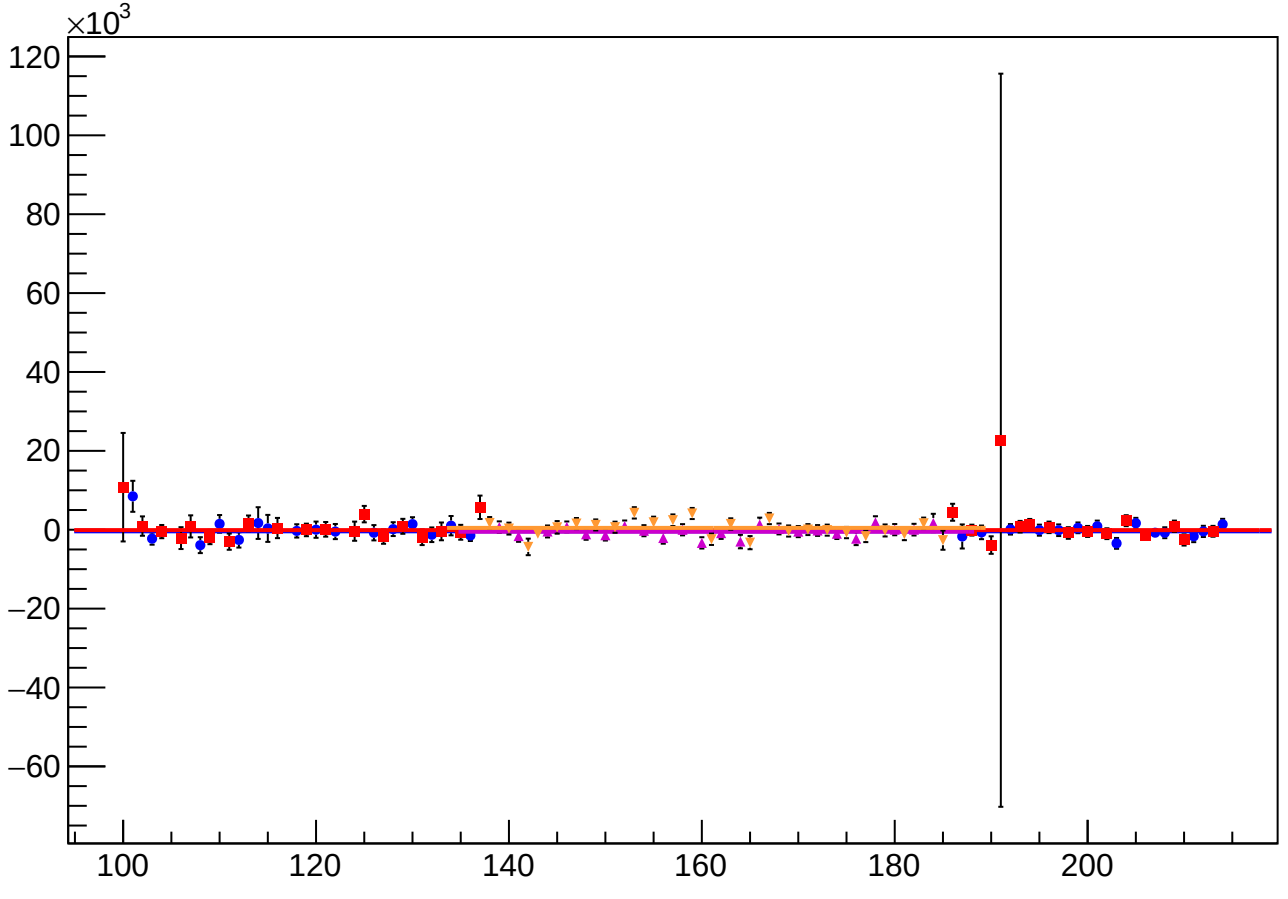
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4109.024+/-0.496 χ^2/NDF: 5615494.8/63

In: 4317.757+/-0.518 χ^2/NDF:3327560.3/52

Out: 4067.846+/-0.484 χ^2/NDF:5597793.9/58

All: 4184.507+/-0.354 χ^2/NDF: 9049598.8/11



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

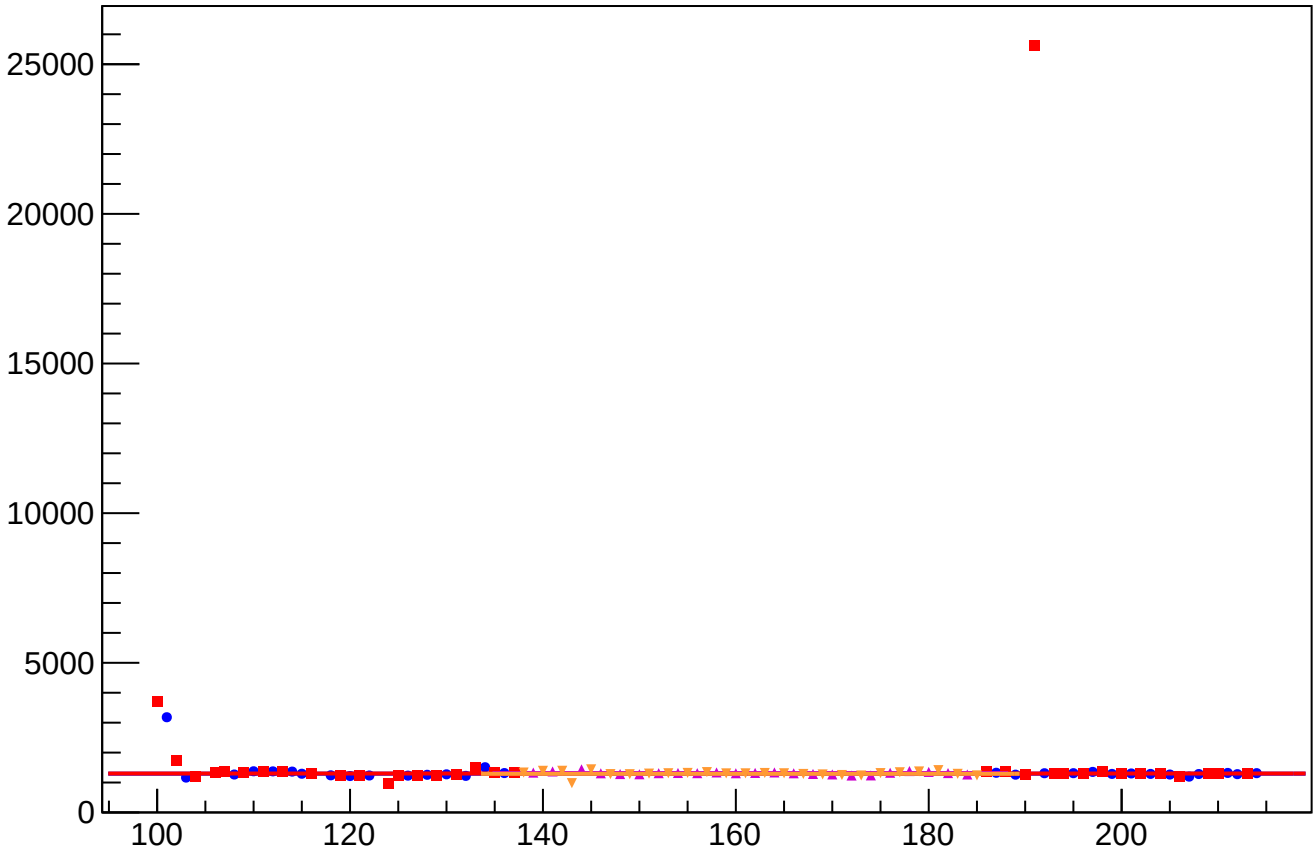
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -246.683+/-214.948 χ^2/NDF: 58.9/63

In: -451.933+/-216.356 χ^2/NDF:43.1/52

Out: 195.166+/-211.118 χ^2/NDF:78.6/58

All: -120.456+/-151.101 χ^2/NDF: 126.3/111



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

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

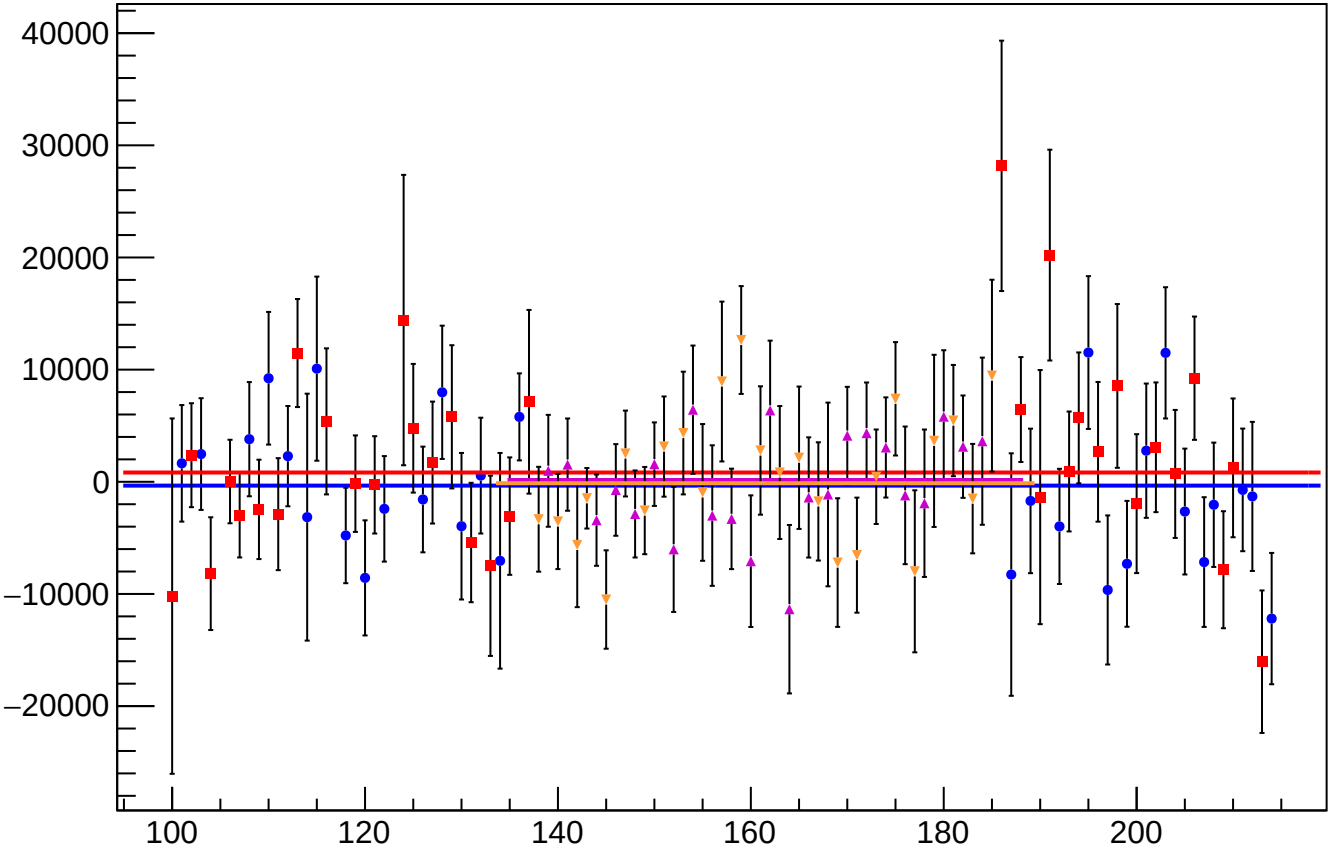
Right: 1298.150+/-0.152 χ^2/NDF: 908805.0/63

In: 1304.584+/-0.153 χ^2/NDF:576893.5/52

Out: 1295.949+/-0.149 χ^2/NDF:610155.3/58

All: 1300.160+/-0.107 χ^2/NDF: 1188681.2/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

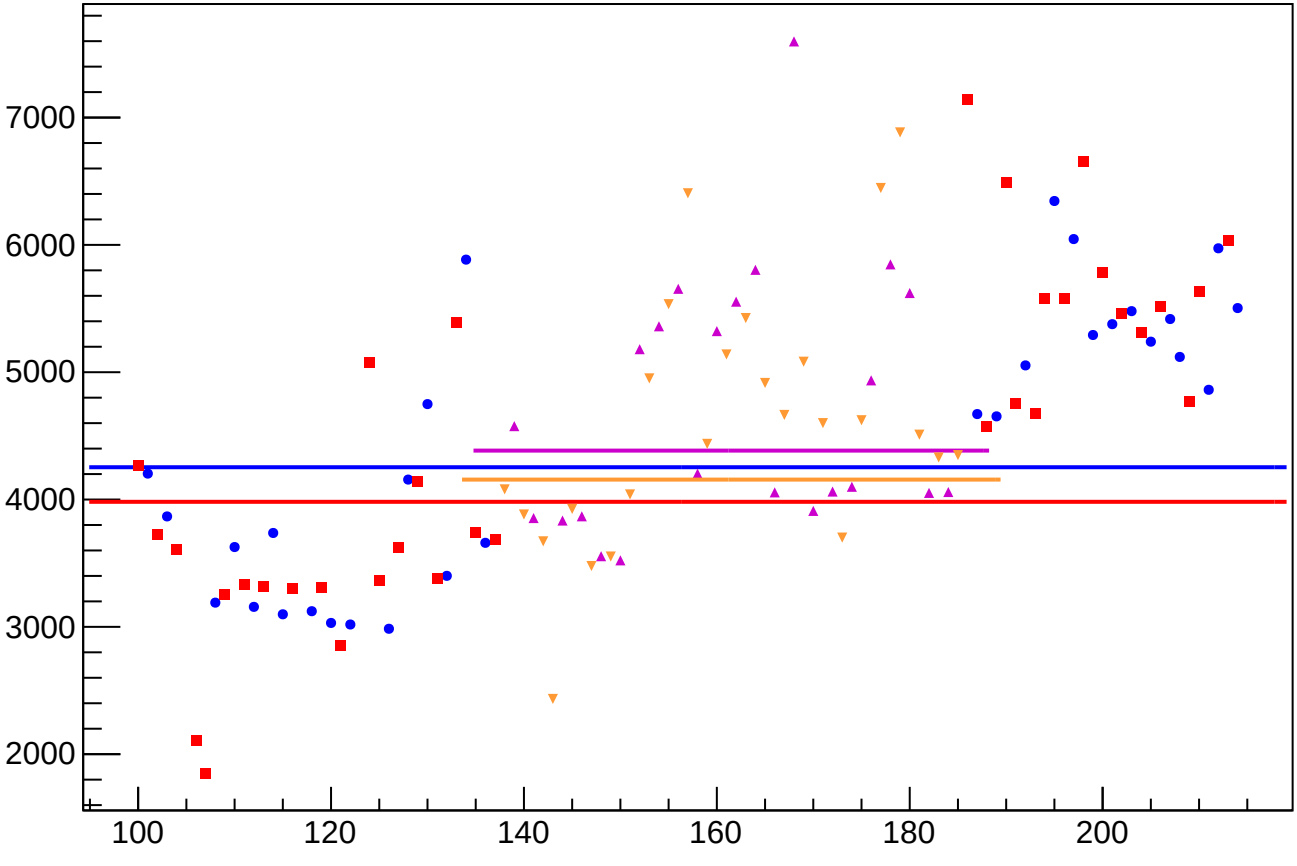
Right: 281.649+/-701.119 χ^2/NDF: 76.9/63

In: -95.695+/-732.152 χ^2/NDF:46.6/52

Out: 358.596+/-685.065 χ^2/NDF:72.5/58

All: 146.527+/-500.233 χ^2/NDF: 119.3/111

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

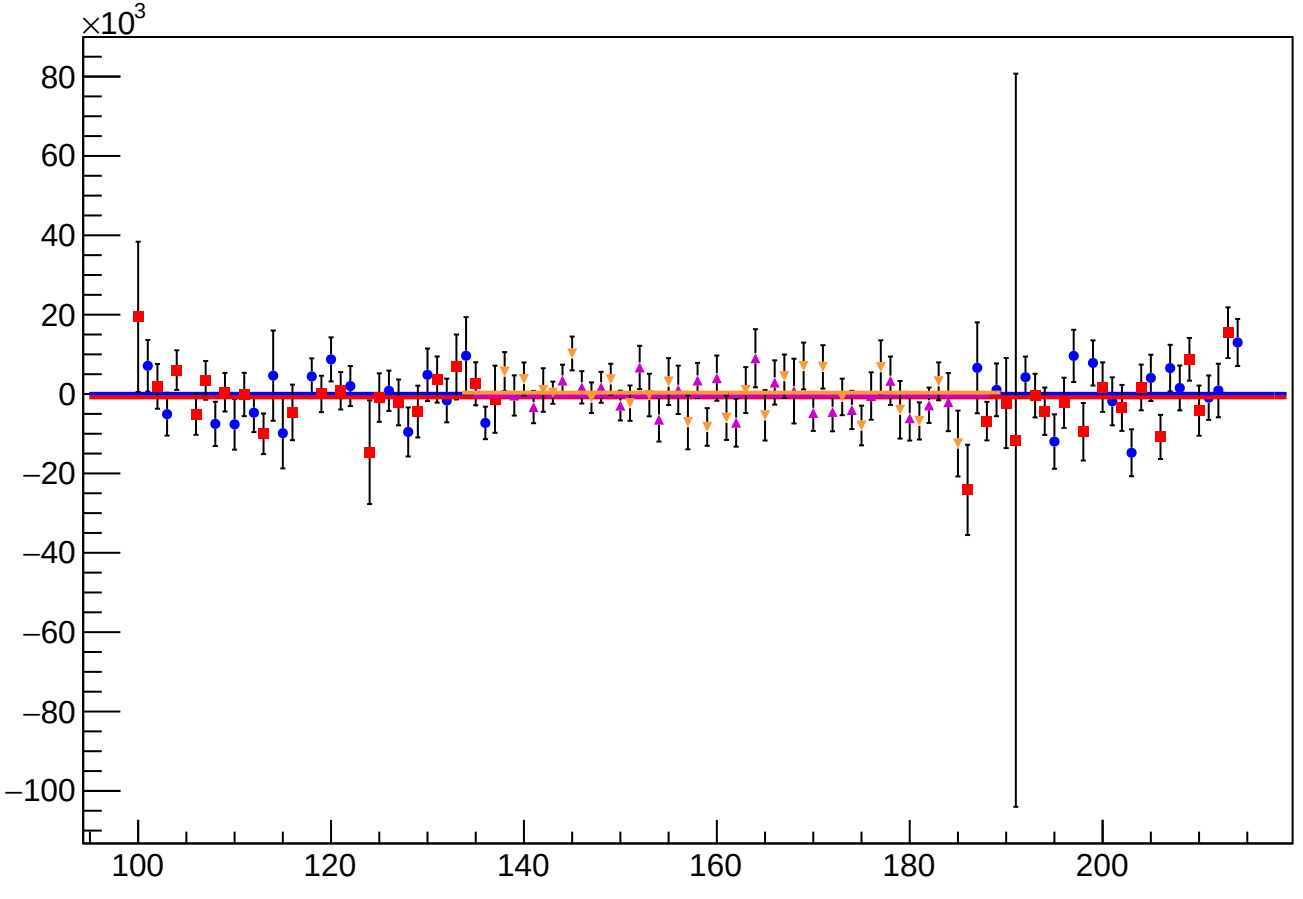
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4109.018+/-0.496 χ^2/NDF: 5615566.2/63

In: 4317.757+/-0.518 χ^2/NDF:3327603.9/52

Out: 4067.846+/-0.484 χ^2/NDF:5597835.7/58

All: 4184.508+/-0.354 χ^2/NDF: 9049684.7/11



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

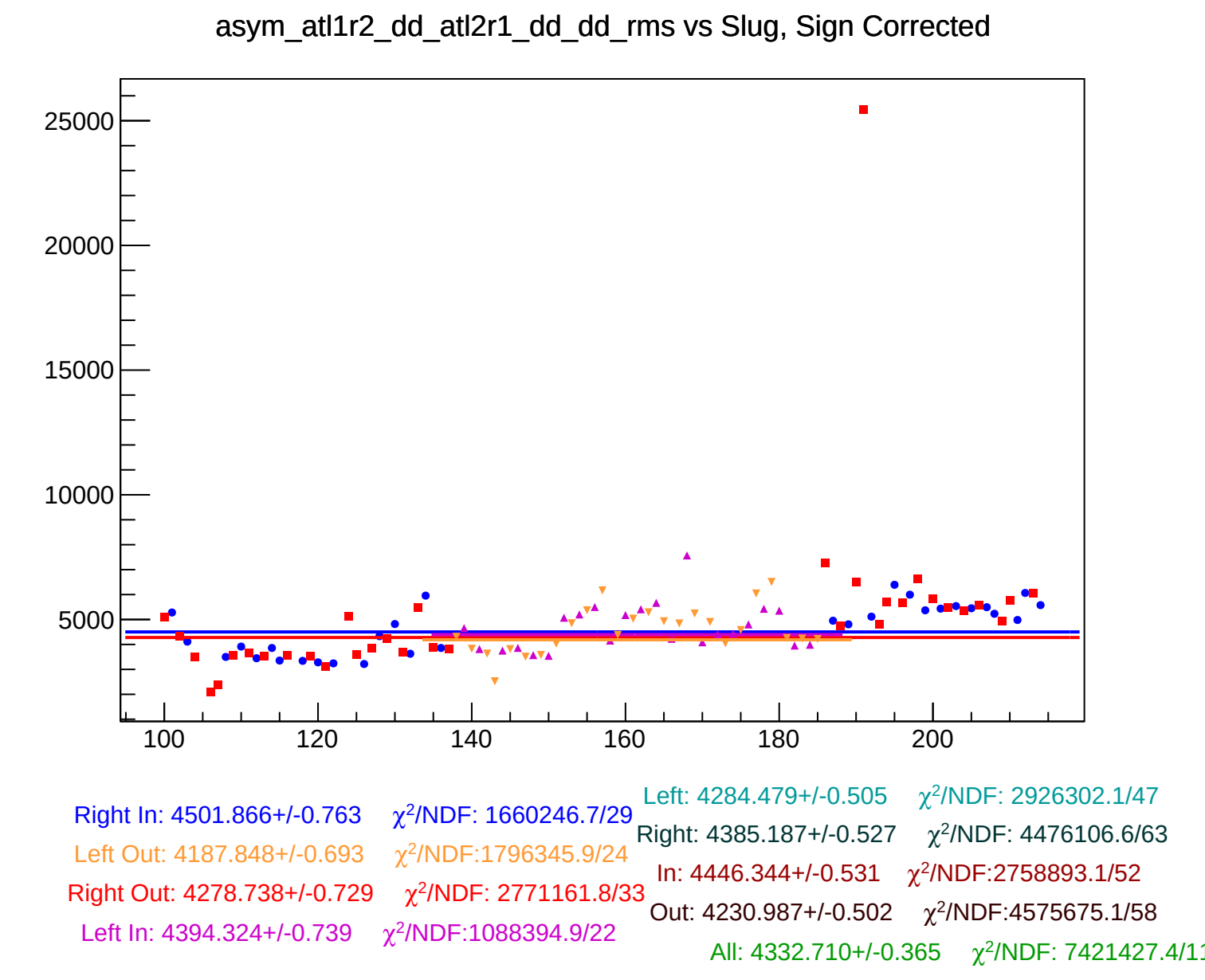
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -400.133+/-748.738 χ^2/NDF: 73.1/63

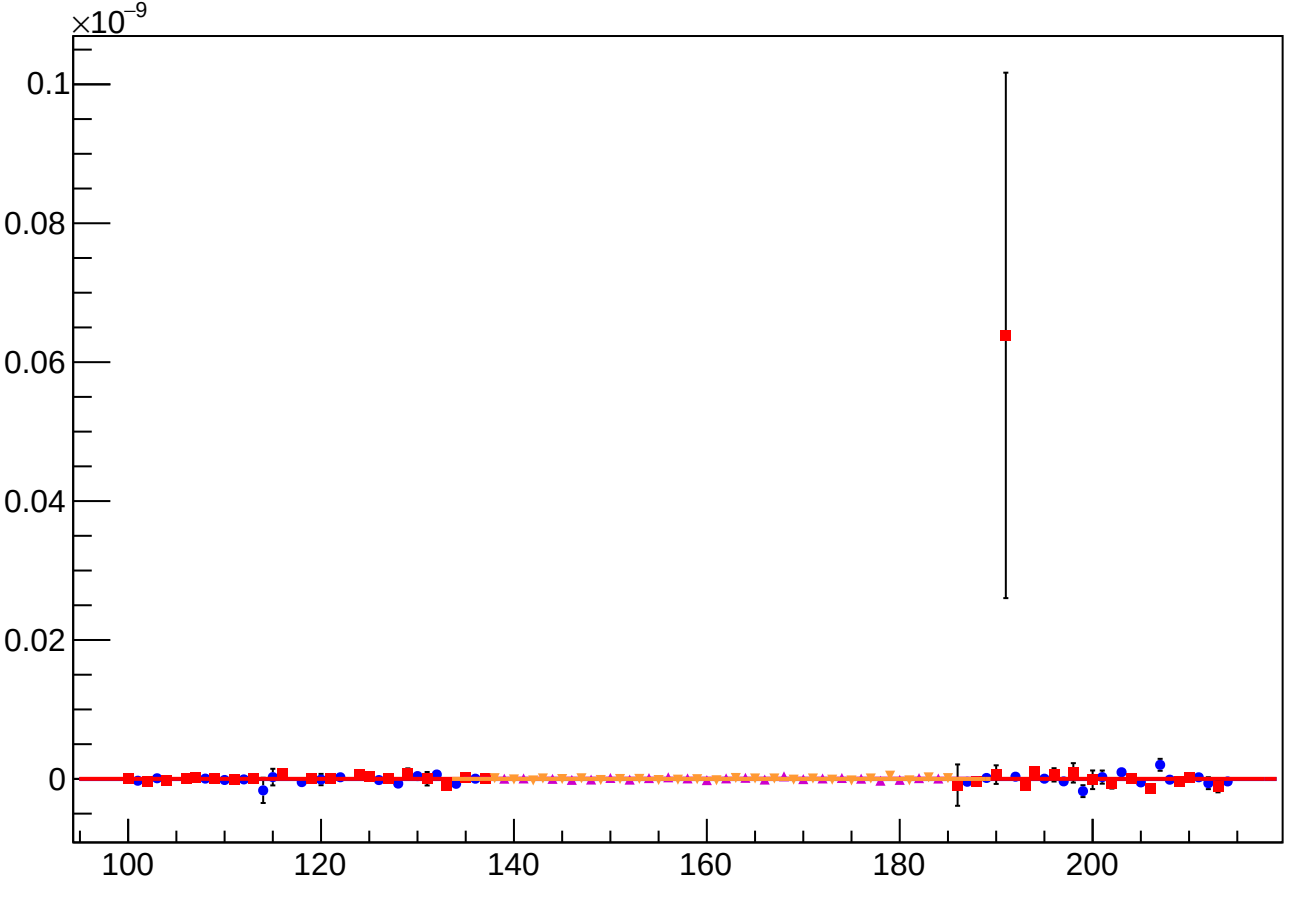
In: -230.438+/-750.655 χ^2/NDF:53.5/52

Out: -194.756+/-713.037 χ^2/NDF:61.6/58

All: -211.681+/-516.981 χ^2/NDF: 115.1/111


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4501.866+/-0.763 χ²/NDF: 1660246.7/29
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4278.738+/-0.729 χ²/NDF: 2771161.8/33
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4385.187+/-0.527 χ²/NDF: 4476106.6/63
In: 4446.344+/-0.531 χ²/NDF:2758893.1/52
Out: 4230.987+/-0.502 χ²/NDF:4575675.1/58
All: 4332.710+/-0.365 χ²/NDF: 7421427.4/11

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

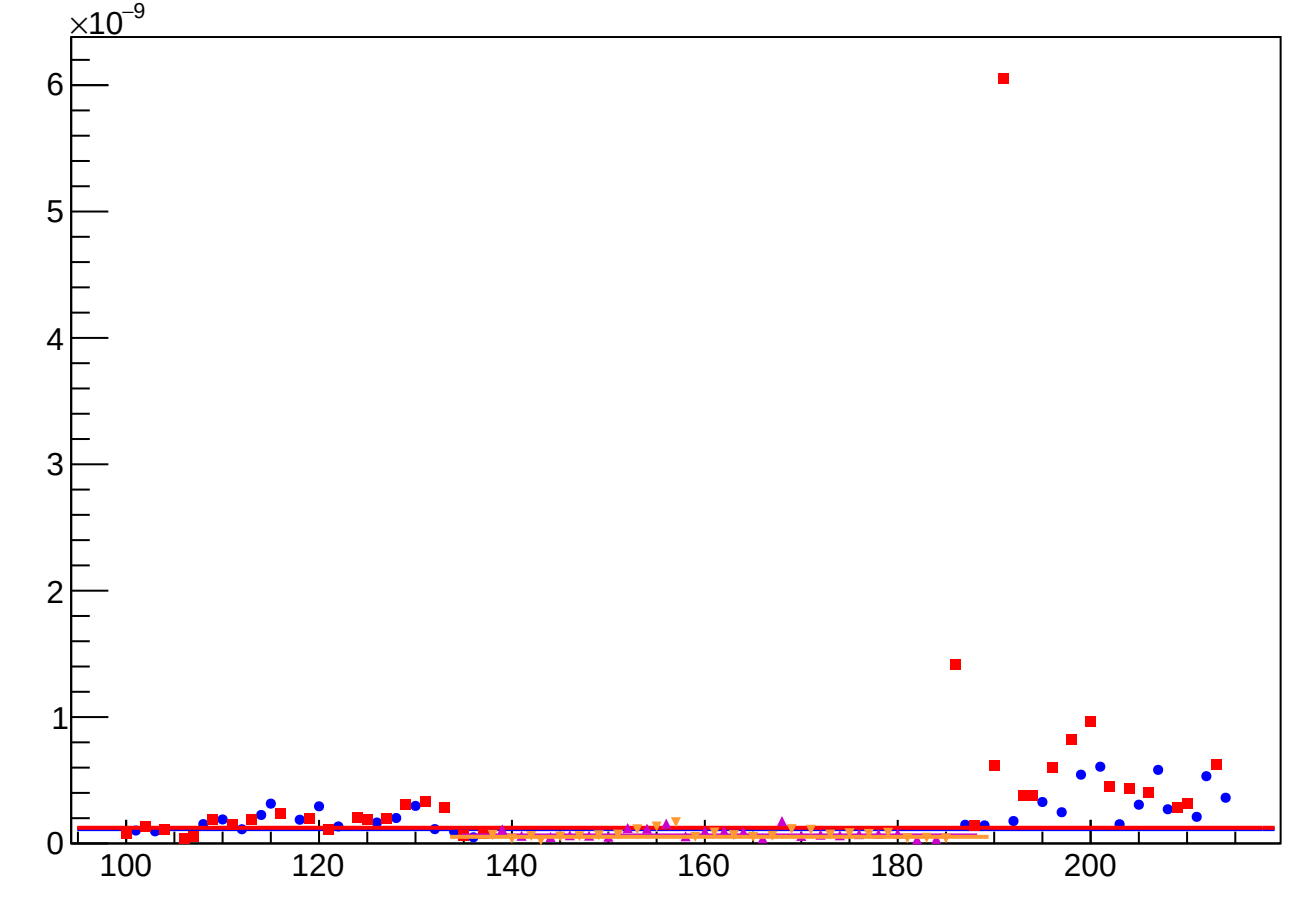
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 71.2/63

In: 0.000+/-0.000 χ^2/NDF:53.2/52

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: 0.000+/-0.000 χ^2/NDF: 119.3/111



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

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

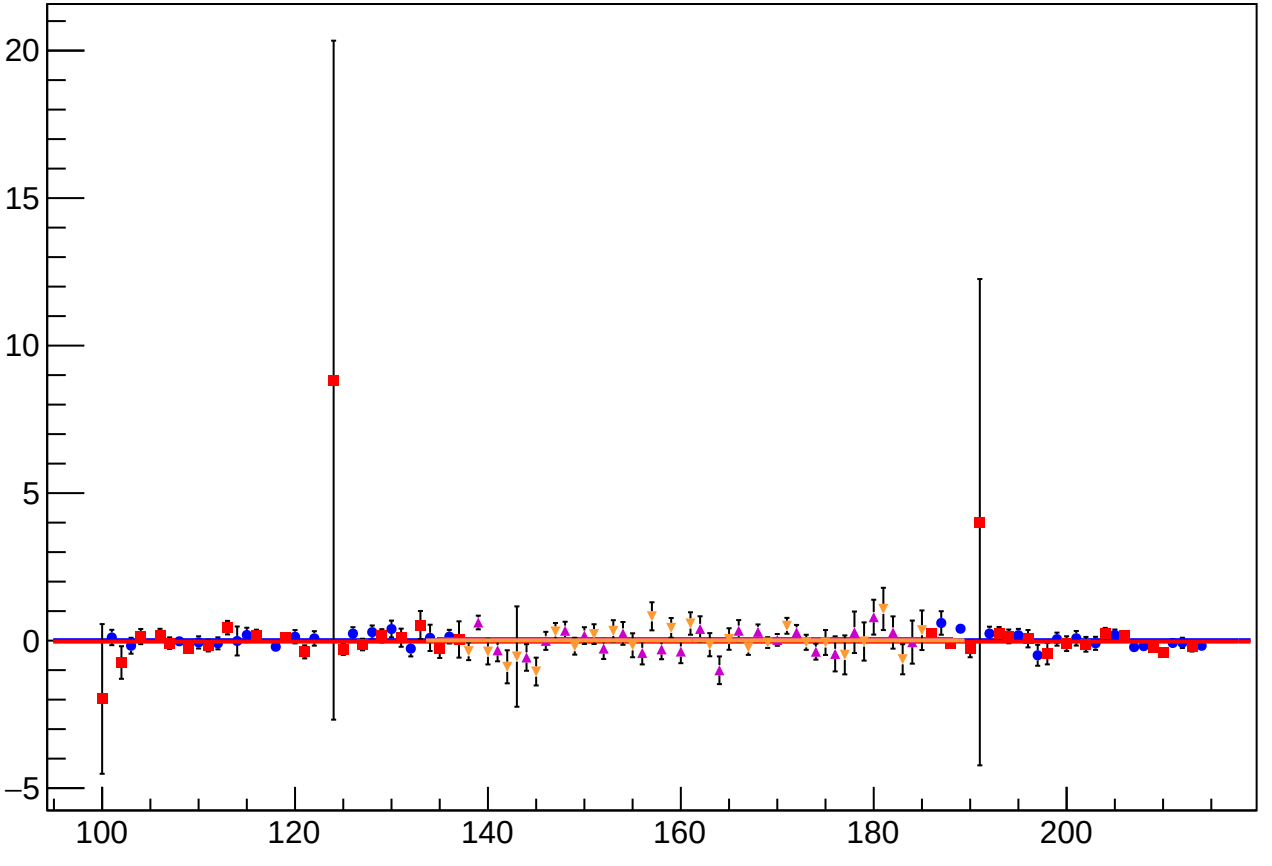
Right: 0.000+/-0.000 χ^2/NDF: 12873367.6/63

In: 0.000+/-0.000 χ^2/NDF:8486467.3/52

Out: 0.000+/-0.000 χ^2/NDF:12655494.5/58

All: 0.000+/-0.000 χ^2/NDF: 21413077.3/111

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

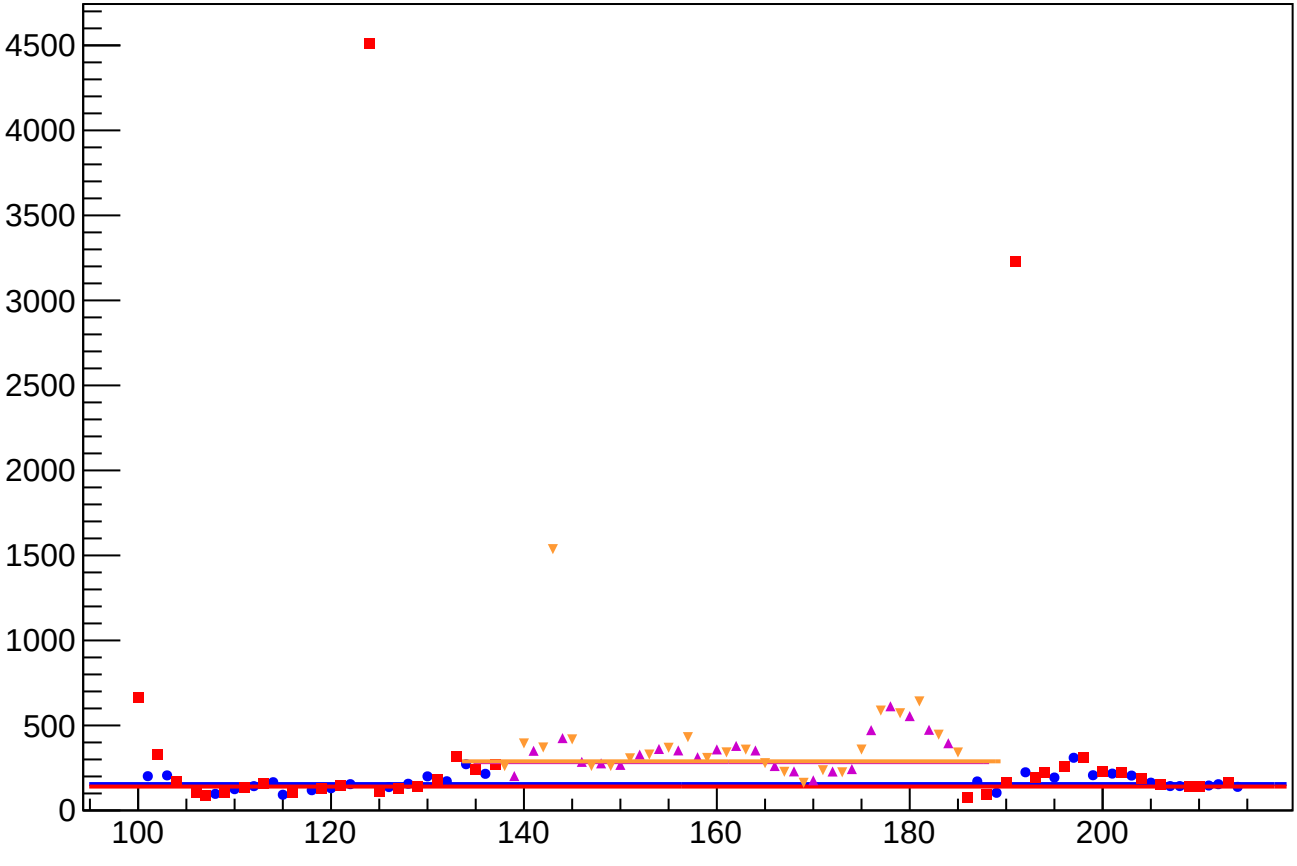
Right: -0.011+/-0.026 χ^2/NDF: 70.9/63

In: 0.024+/-0.034 χ^2/NDF:57.3/52

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: -0.002+/-0.023 χ^2/NDF: 128.3/111

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

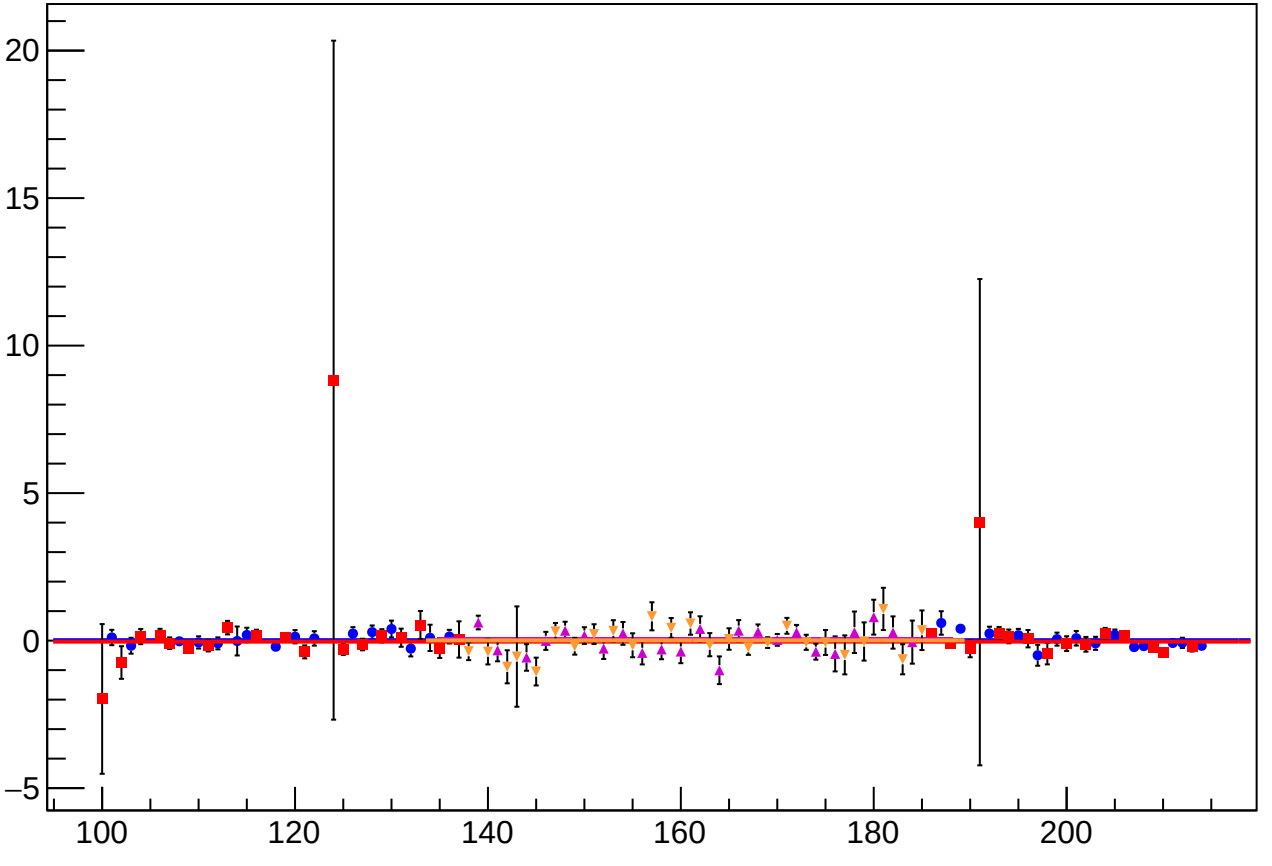
Right: 147.327+/-0.018 χ^2/NDF: 7163182.7/63

In: 184.575+/-0.024 χ^2/NDF:10547629.1/52

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 177.187+/-0.016 χ^2/NDF: 27069459.0/1

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

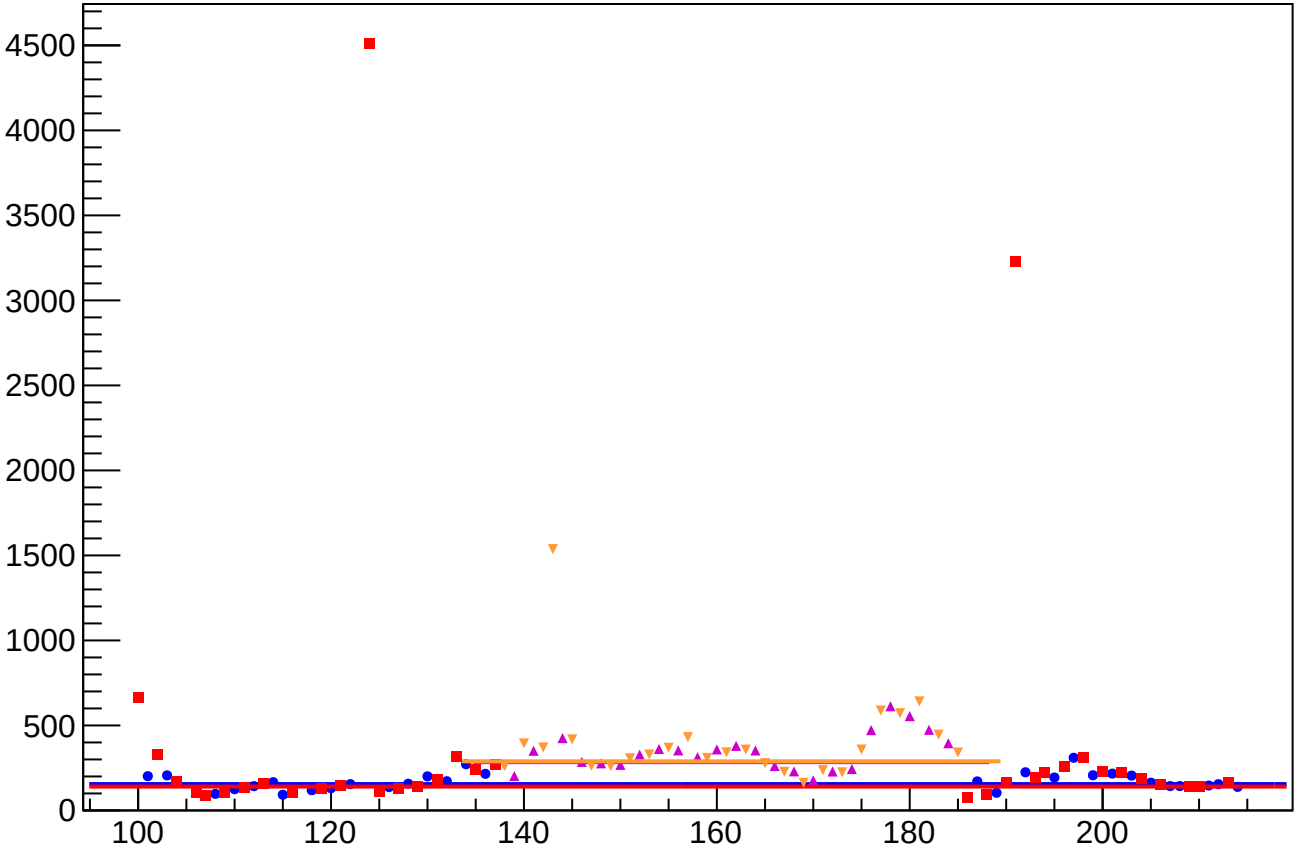
Right: -0.011+/-0.026 χ^2/NDF: 70.9/63

In: 0.024+/-0.034 χ^2/NDF:57.3/52

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: -0.002+/-0.023 χ^2/NDF: 128.3/111

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

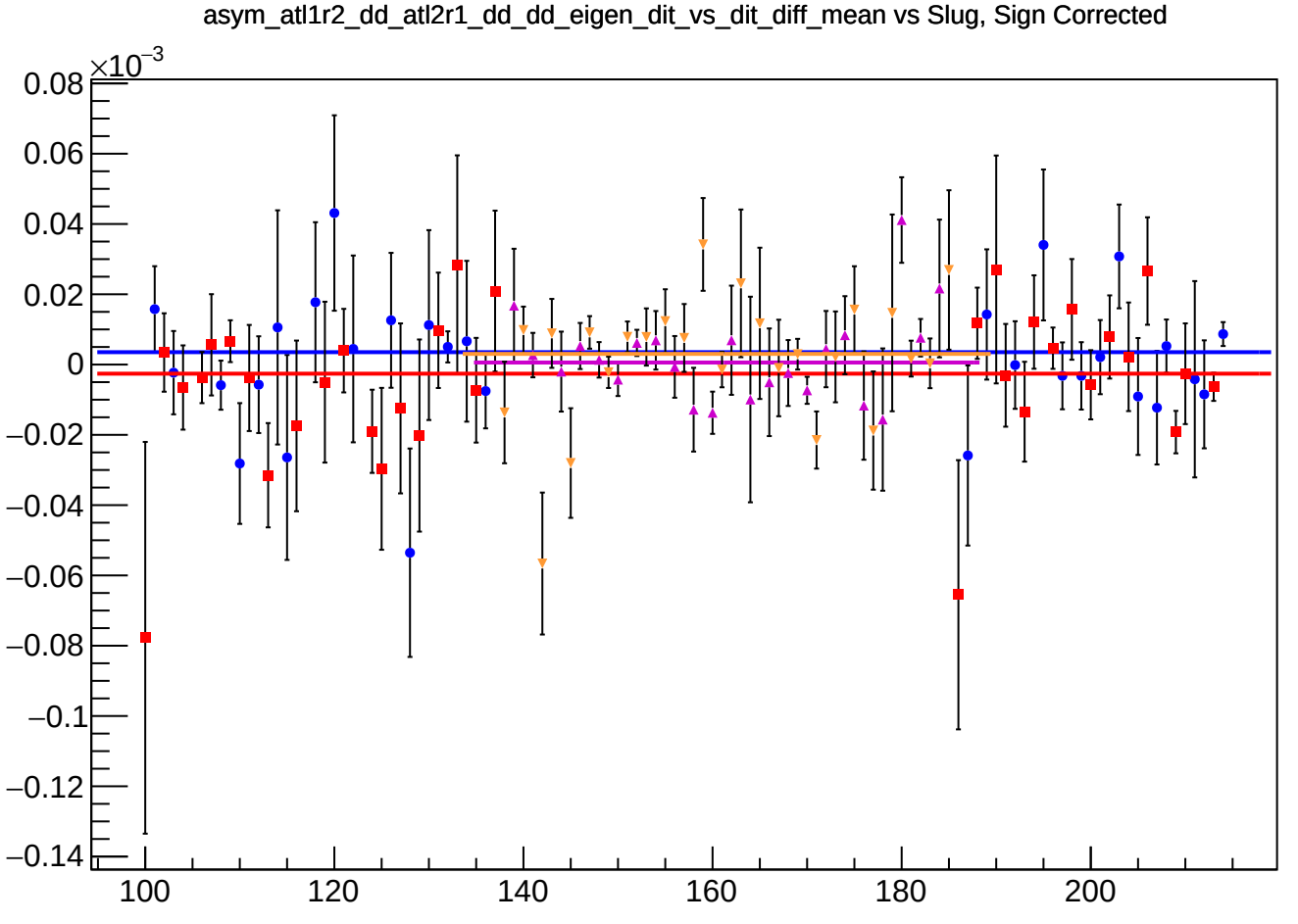
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.327+/-0.018 χ^2/NDF: 7163182.7/63

In: 184.575+/-0.024 χ^2/NDF:10547629.1/52

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 177.187+/-0.016 χ^2/NDF: 27069459.0/1



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

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

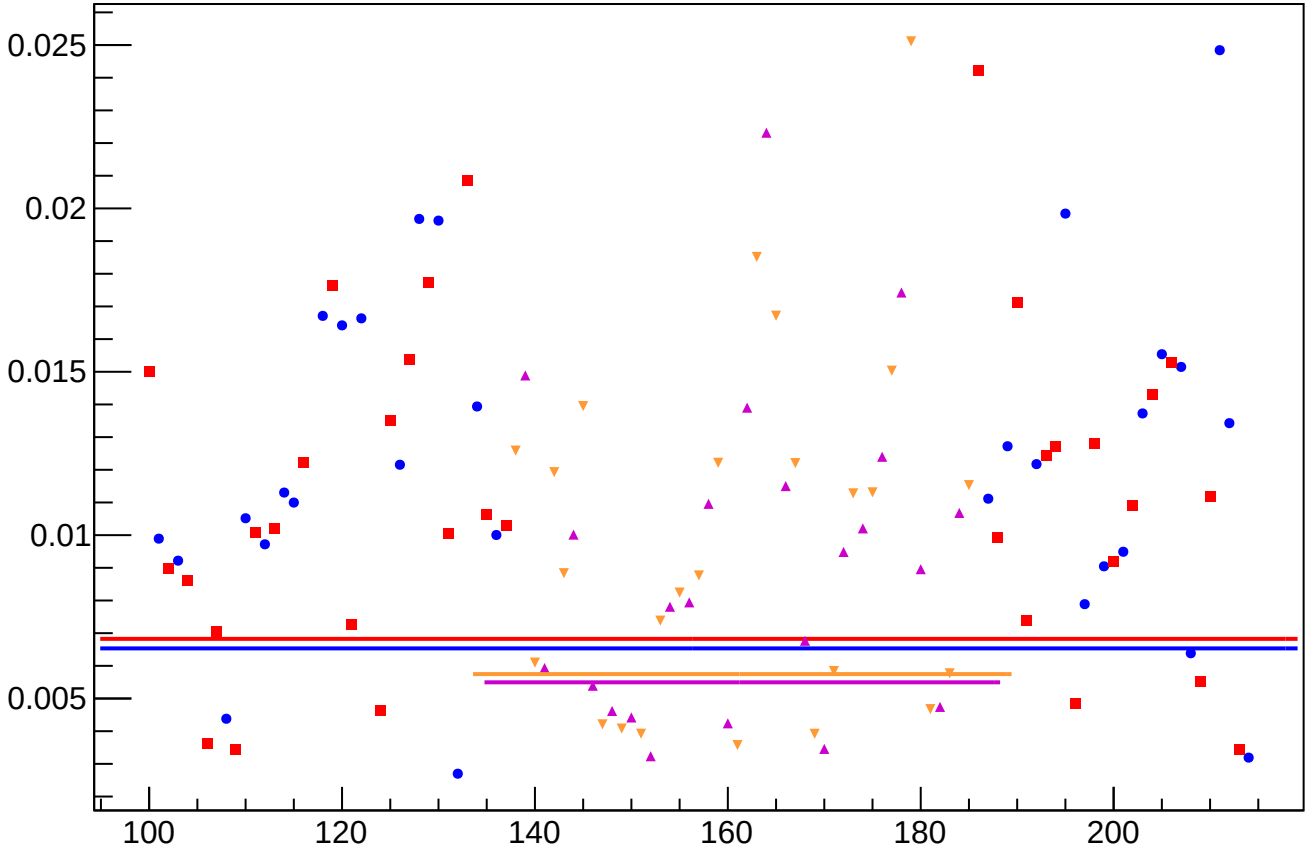
Right: 0.000+/-0.000 χ^2/NDF: 73.4/63

In: 0.000+/-0.000 χ^2/NDF:63.1/52

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 150.8/111

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

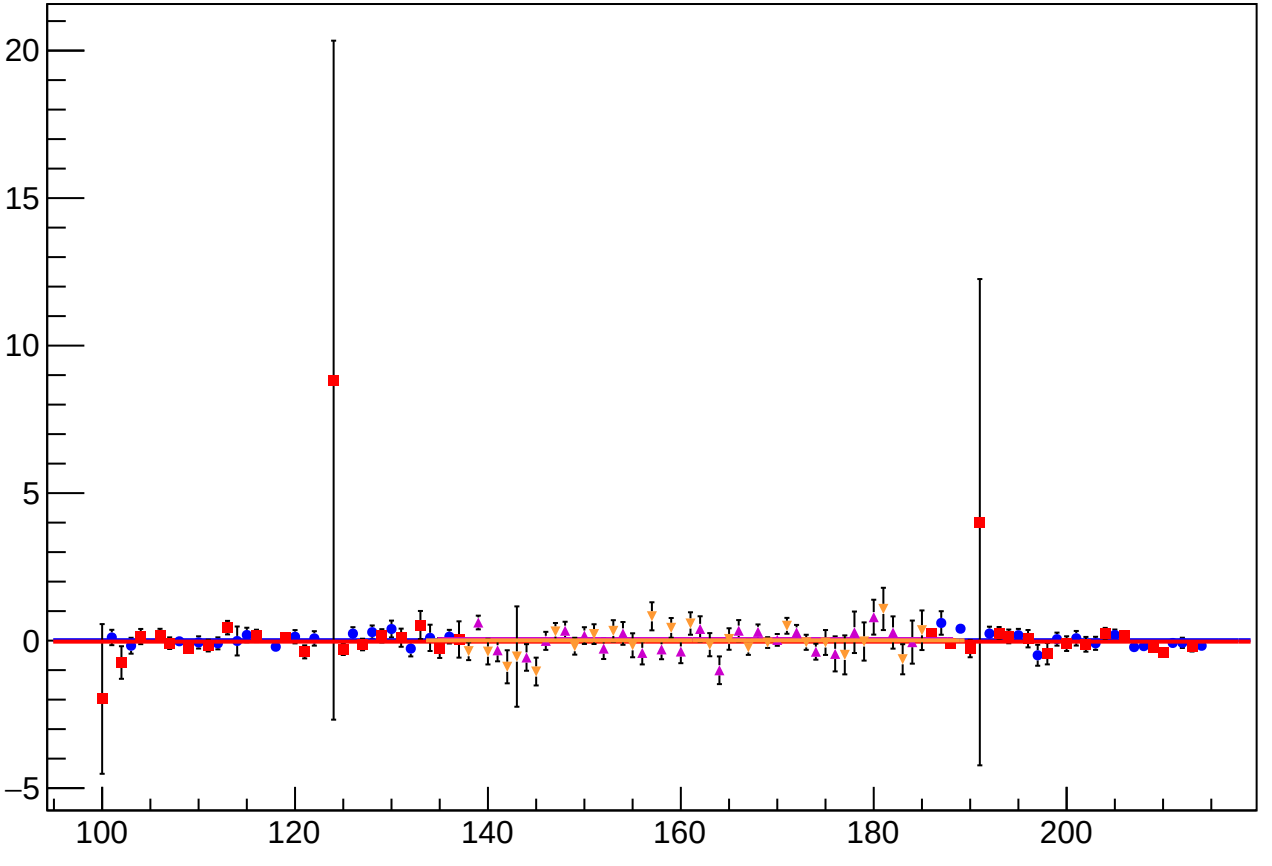
Right: 0.007+/-0.000 χ^2/NDF: 19933600.8/63

In: 0.006+/-0.000 χ^2/NDF:18574902.3/52

Out: 0.006+/-0.000 χ^2/NDF:17173359.8/58

All: 0.006+/-0.000 χ^2/NDF: 35803657.3/111

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

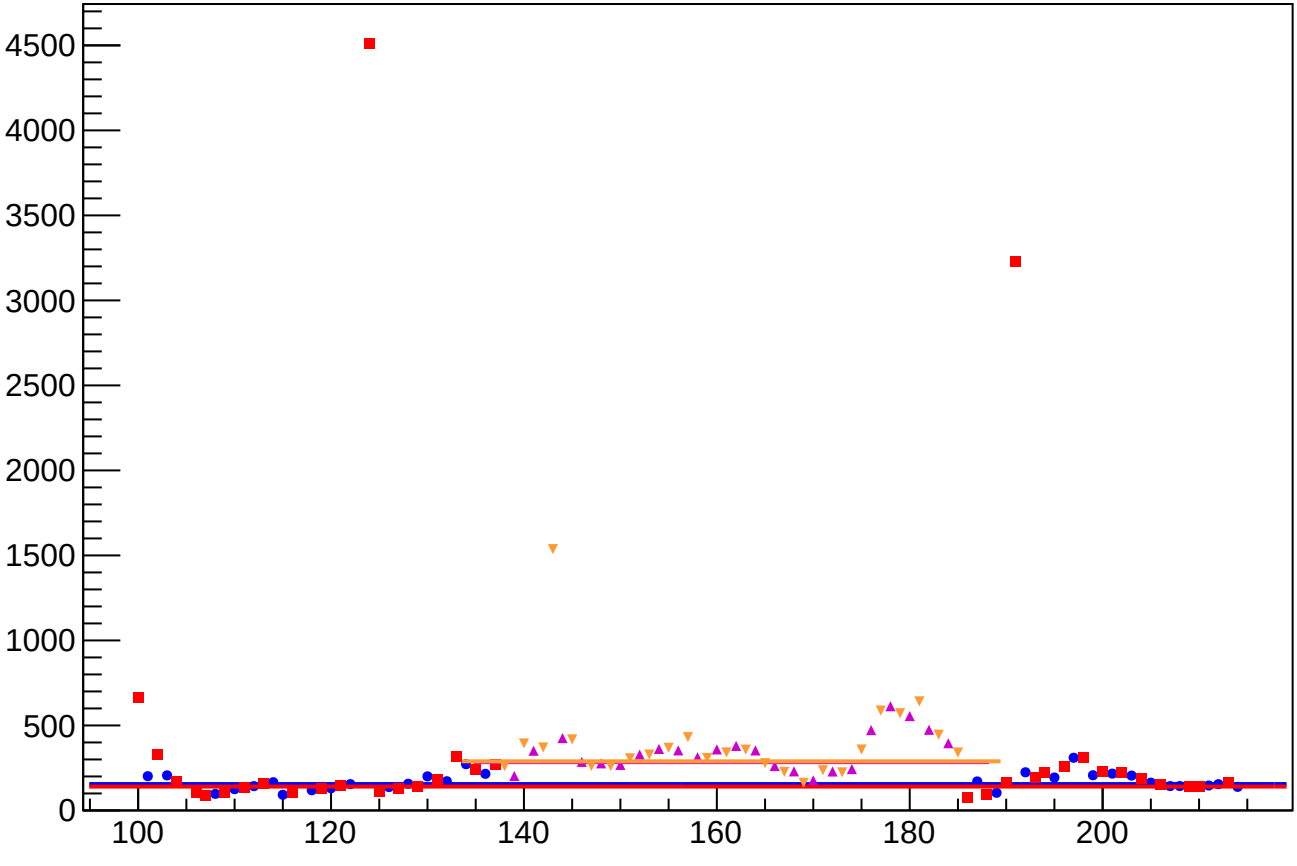
Right: -0.011+/-0.026 χ^2/NDF: 70.9/63

In: 0.024+/-0.034 χ^2/NDF:57.3/52

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: -0.002+/-0.023 χ^2/NDF: 128.3/111

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

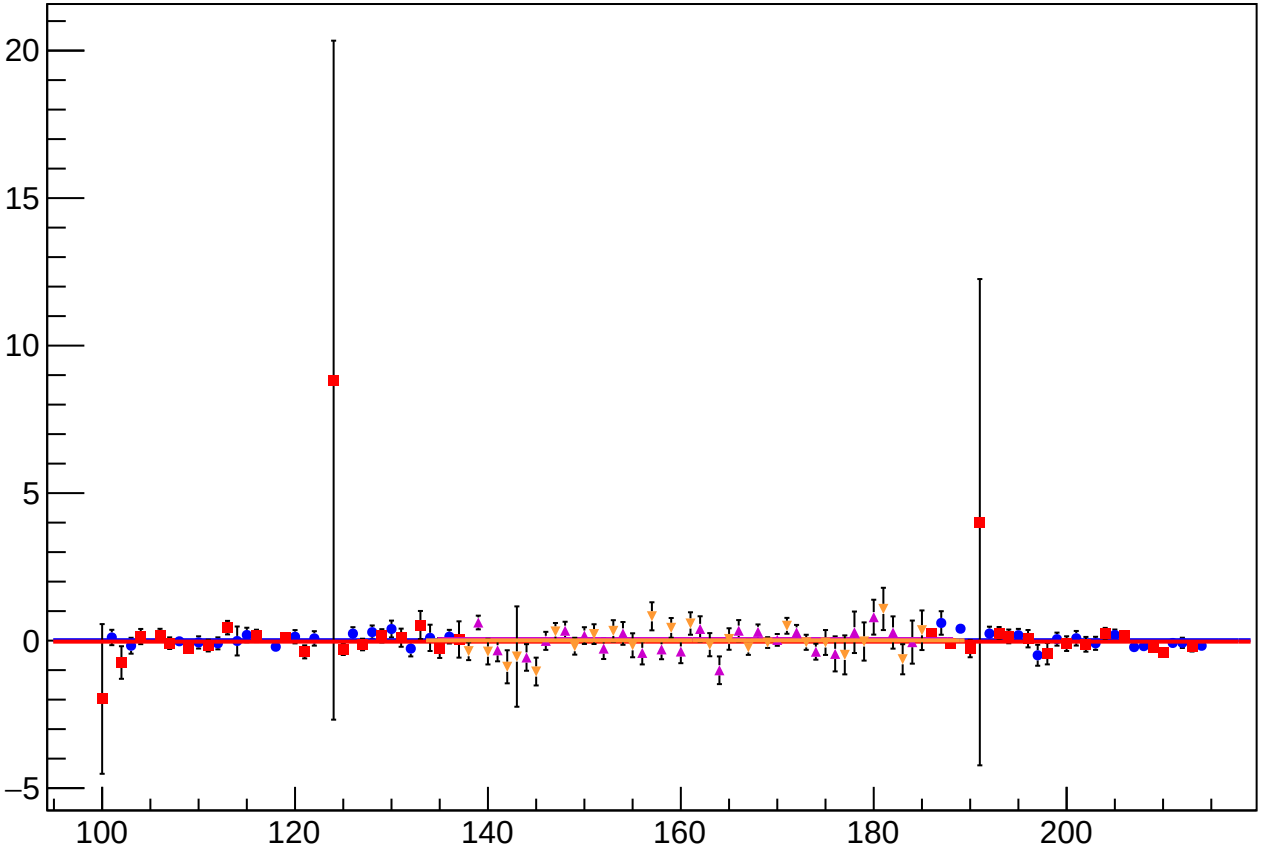
Right: 147.328+/-0.018 χ^2/NDF: 7162976.0/63

In: 184.575+/-0.024 χ^2/NDF:10547742.6/52

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 177.188+/-0.016 χ^2/NDF: 27069361.4/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

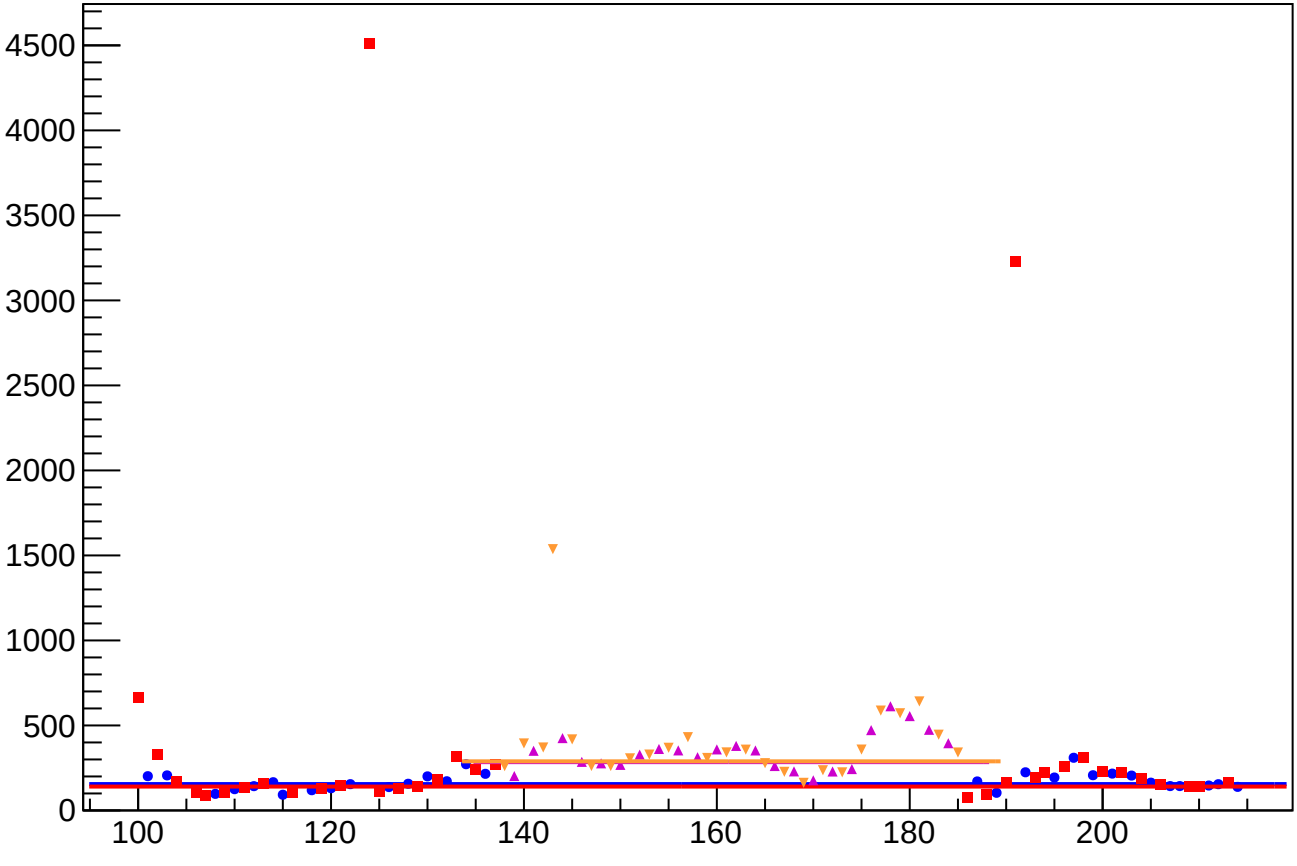
Right: -0.011+/-0.026 χ^2/NDF: 70.9/63

In: 0.024+/-0.034 χ^2/NDF:57.3/52

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: -0.002+/-0.023 χ^2/NDF: 128.3/111

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

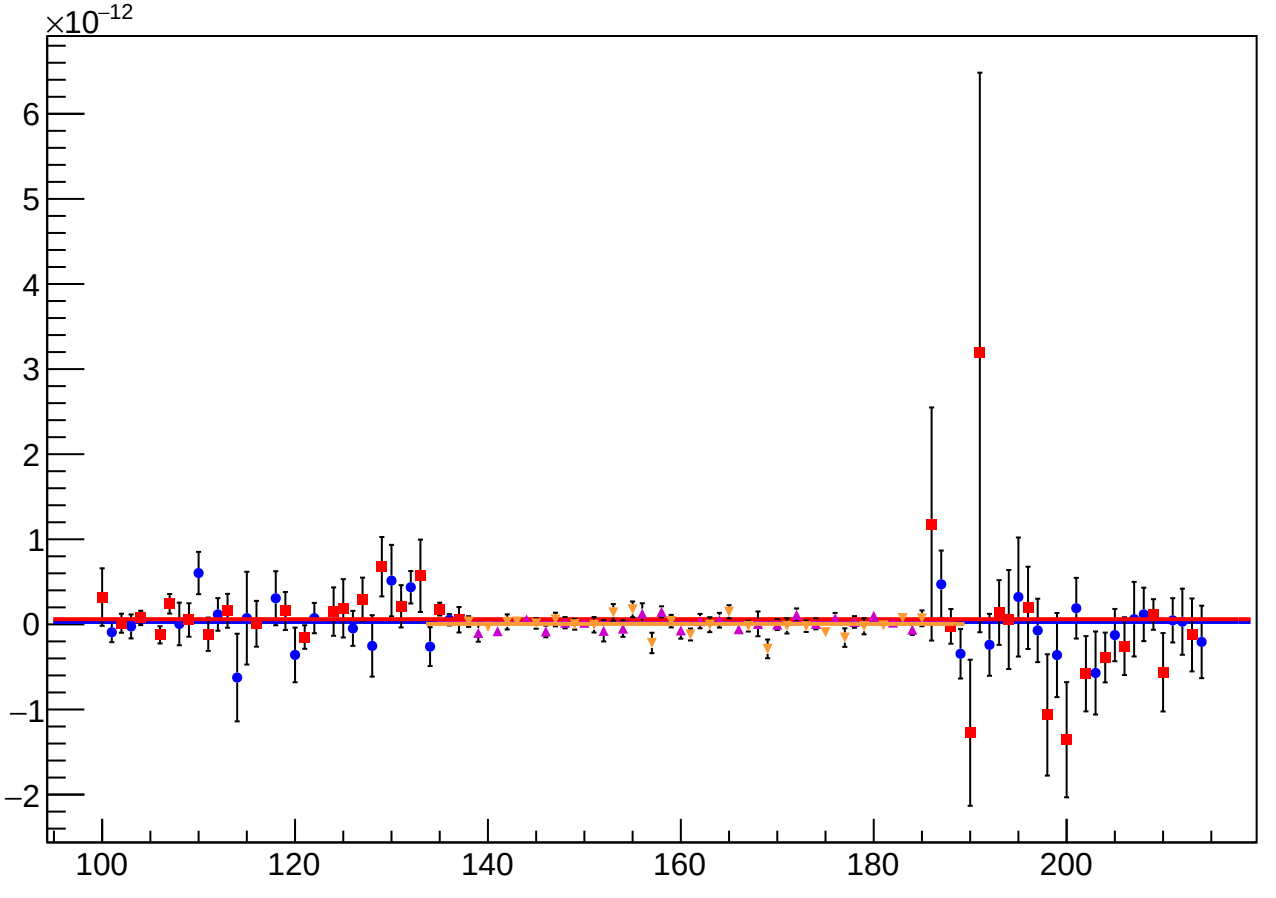
Right: 147.328+/-0.018 χ^2/NDF: 7162976.0/63

In: 184.575+/-0.024 χ^2/NDF:10547742.6/52

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 177.188+/-0.016 χ^2/NDF: 27069361.4/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

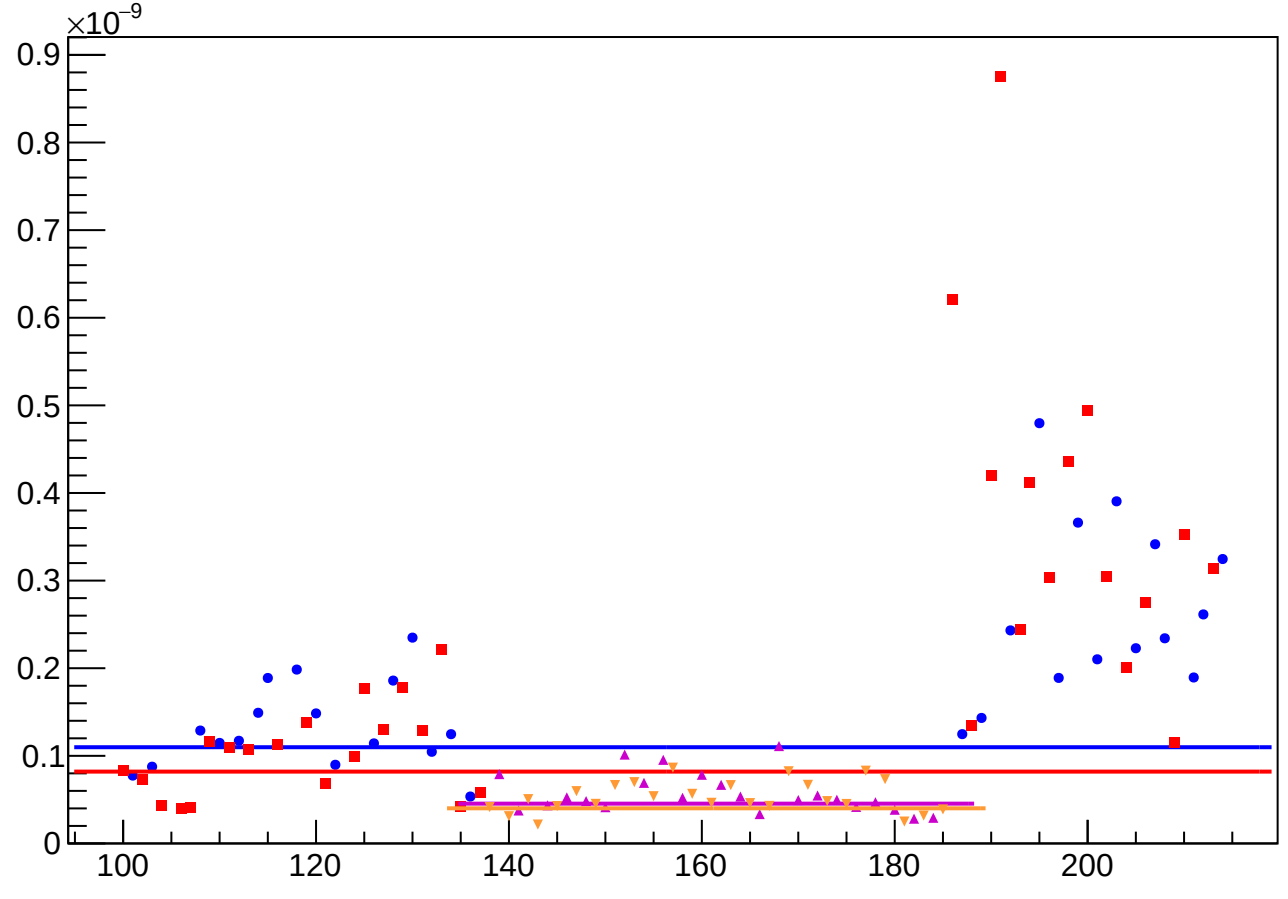
Right: 0.000+/-0.000 χ^2/NDF: 63.5/63

In: 0.000+/-0.000 χ^2/NDF:49.1/52

Out: 0.000+/-0.000 χ^2/NDF:74.0/58

All: 0.000+/-0.000 χ^2/NDF: 123.2/111

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

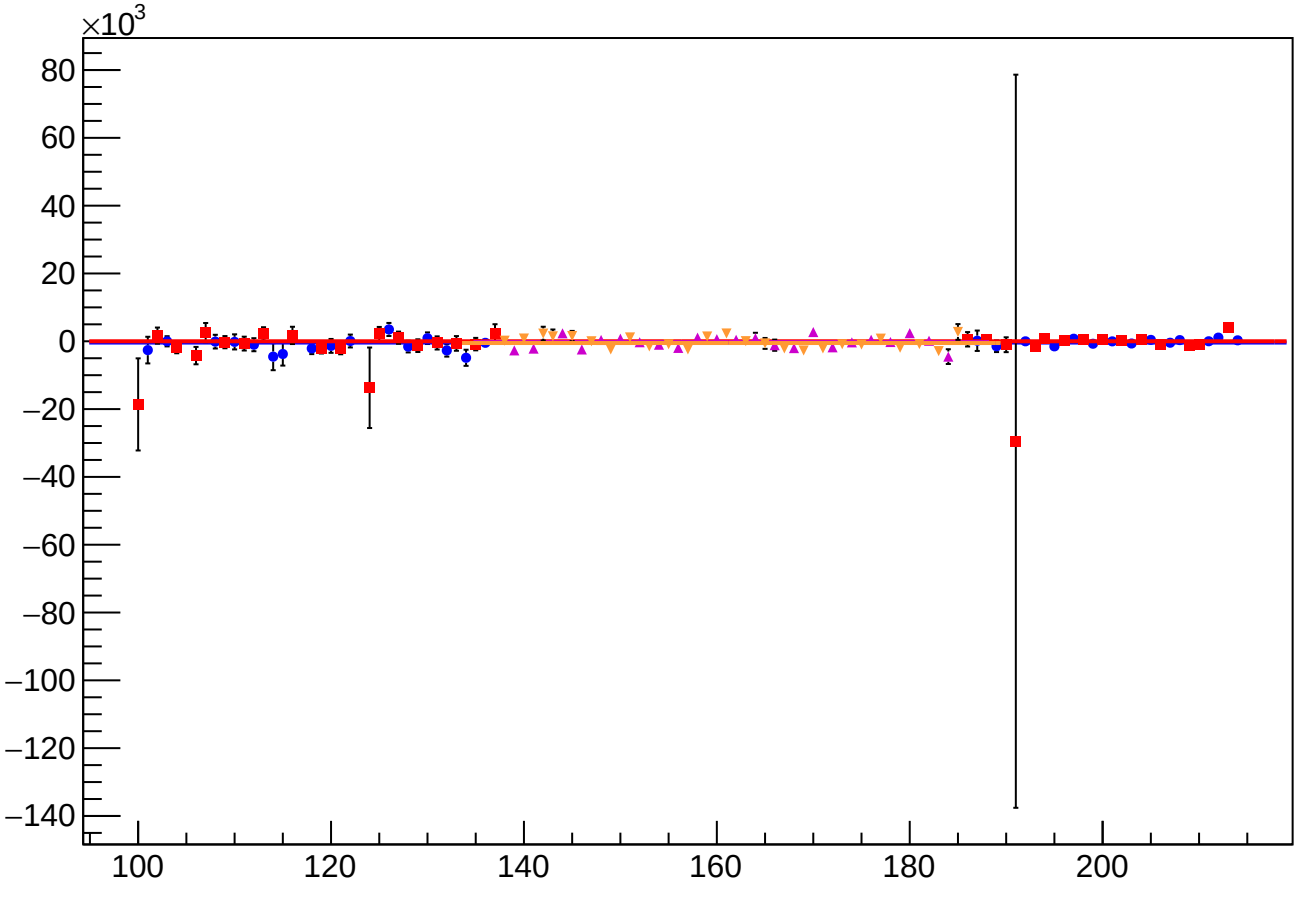
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16214817.1/63

In: 0.000+/-0.000 χ^2/NDF:14222997.7/52

Out: 0.000+/-0.000 χ^2/NDF:15559745.2/58

All: 0.000+/-0.000 χ^2/NDF: 30108280.9/111



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

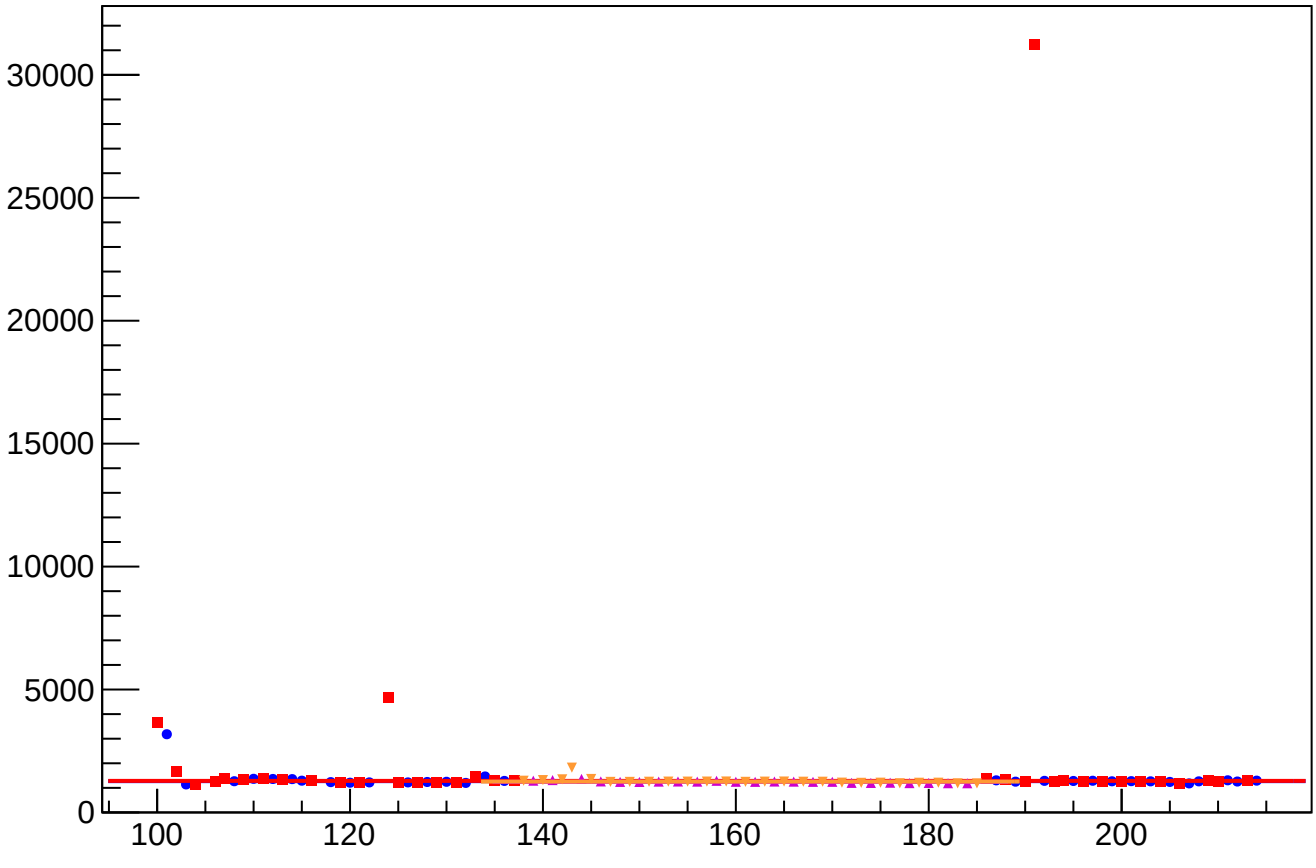
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -185.162+/-211.785 χ^2/NDF: 48.8/63

In: -307.136+/-208.855 χ^2/NDF:50.3/52

Out: -266.799+/-206.742 χ^2/NDF:62.3/58

All: -286.762+/-146.930 χ^2/NDF: 112.6/111



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

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

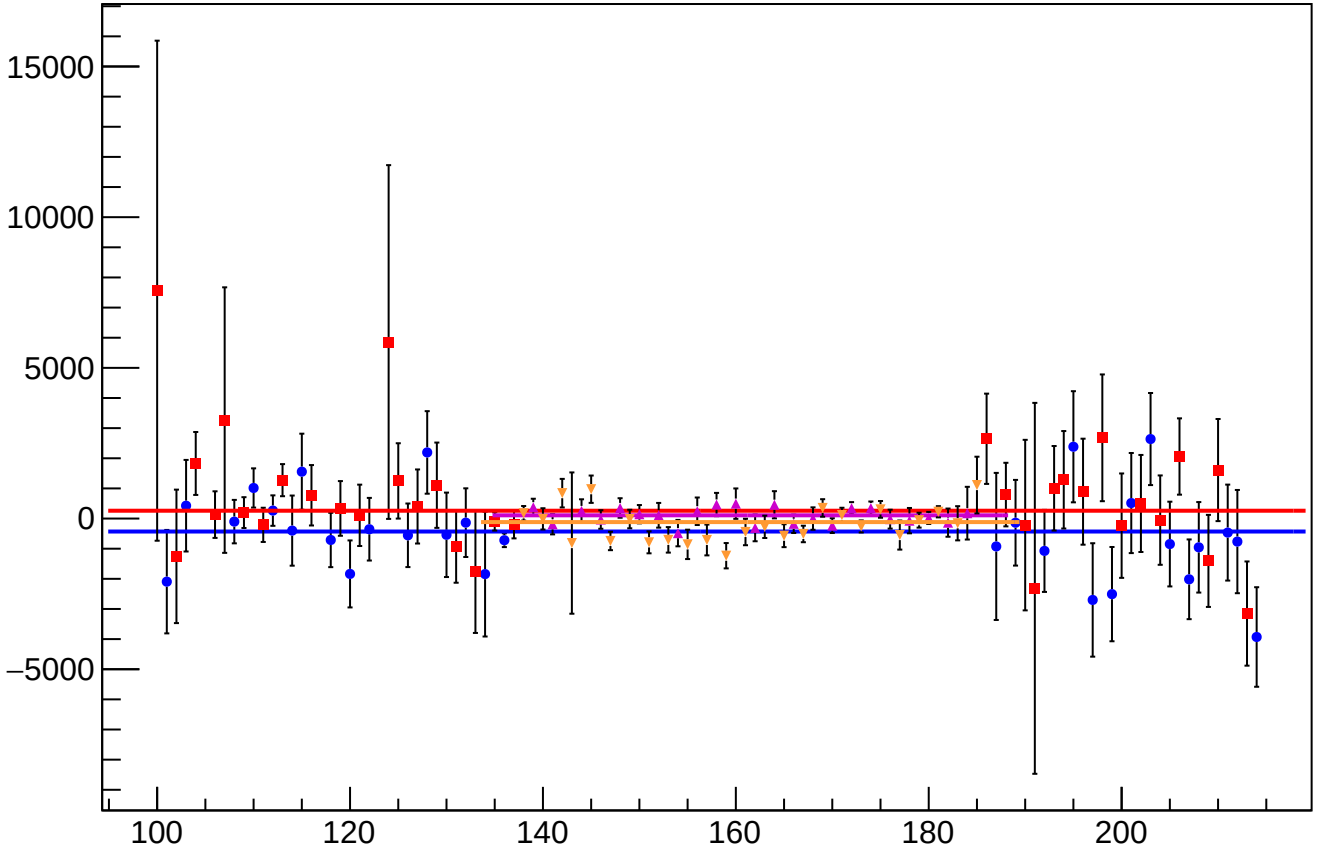
Right: 1278.669+/-0.150 χ^2/NDF: 1043015.6/63

In: 1259.521+/-0.148 χ^2/NDF:582438.8/52

Out: 1269.035+/-0.146 χ^2/NDF:720154.2/58

All: 1264.327+/-0.104 χ^2/NDF: 1304689.2/11

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



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

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

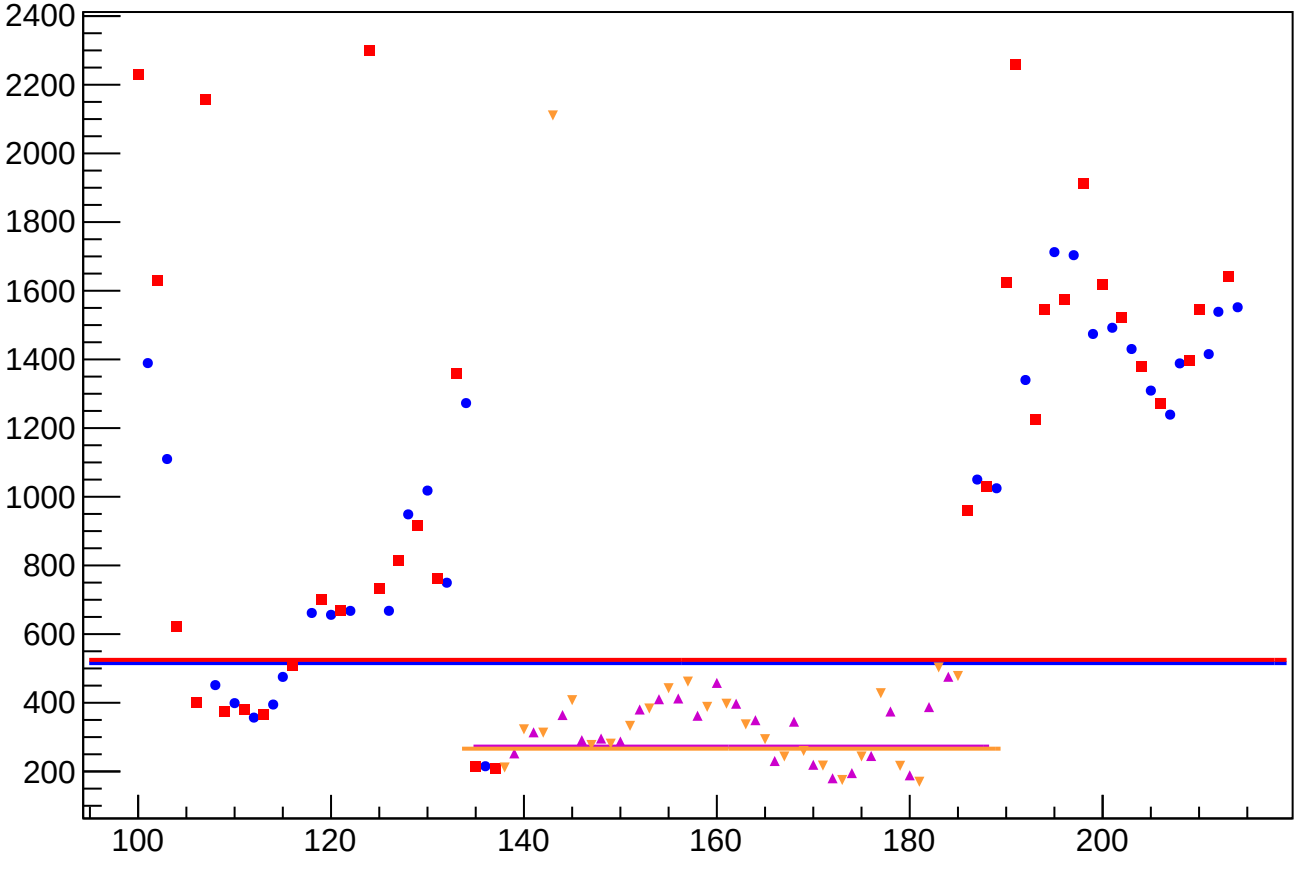
Right: -86.677+/-110.723 χ^2/NDF: 72.2/63

In: 23.849+/-61.580 χ^2/NDF:58.4/52

Out: -61.748+/-60.097 χ^2/NDF:81.2/58

All: -19.992+/-43.010 χ^2/NDF: 140.6/111

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



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

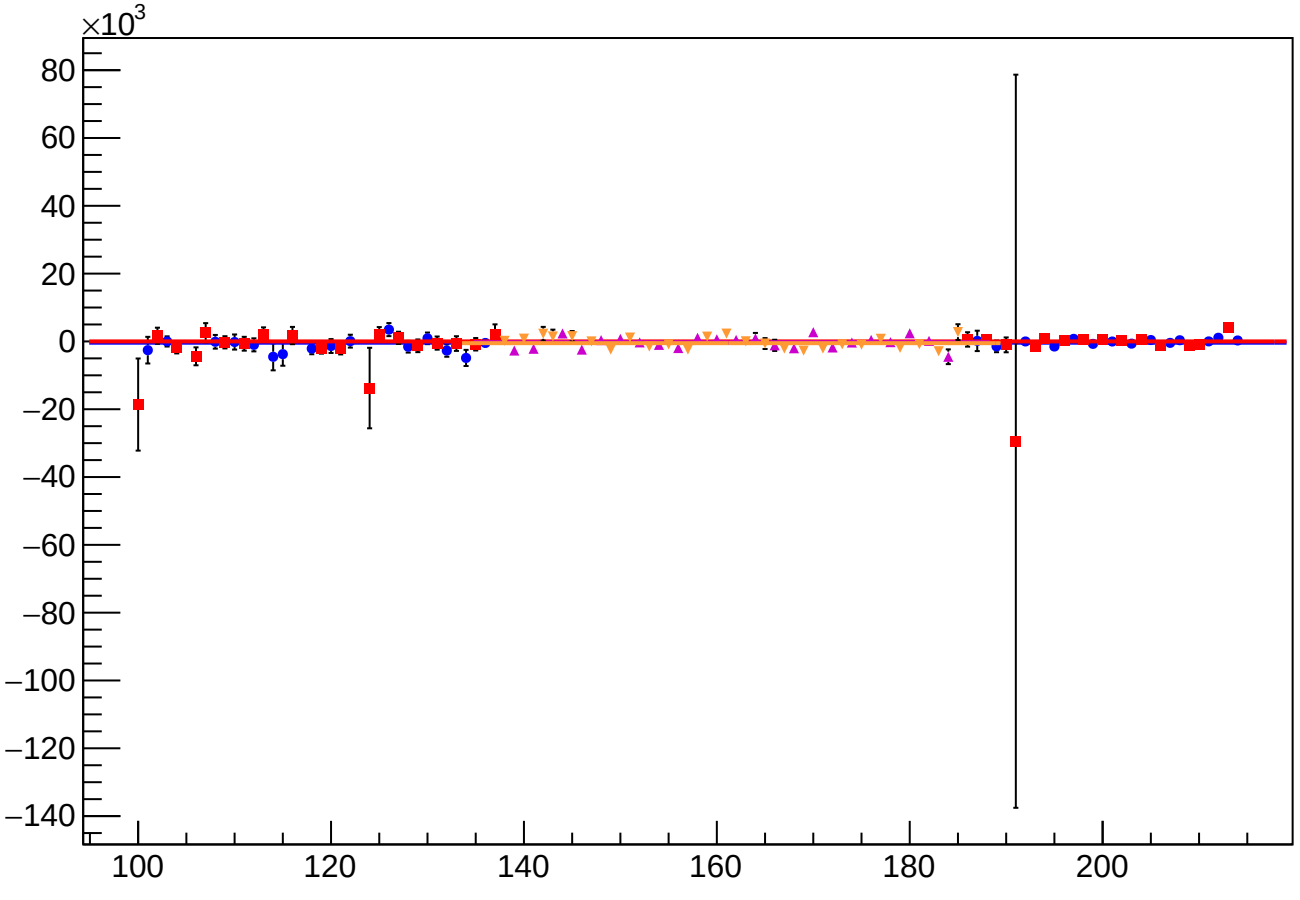
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 520.226+/-0.078 χ^2/NDF: 29043191.6/63

In: 310.118+/-0.044 χ^2/NDF:21464716.6/52

Out: 304.272+/-0.042 χ^2/NDF:23820539.9/58

All: 307.124+/-0.030 χ^2/NDF: 45294489.4/11



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

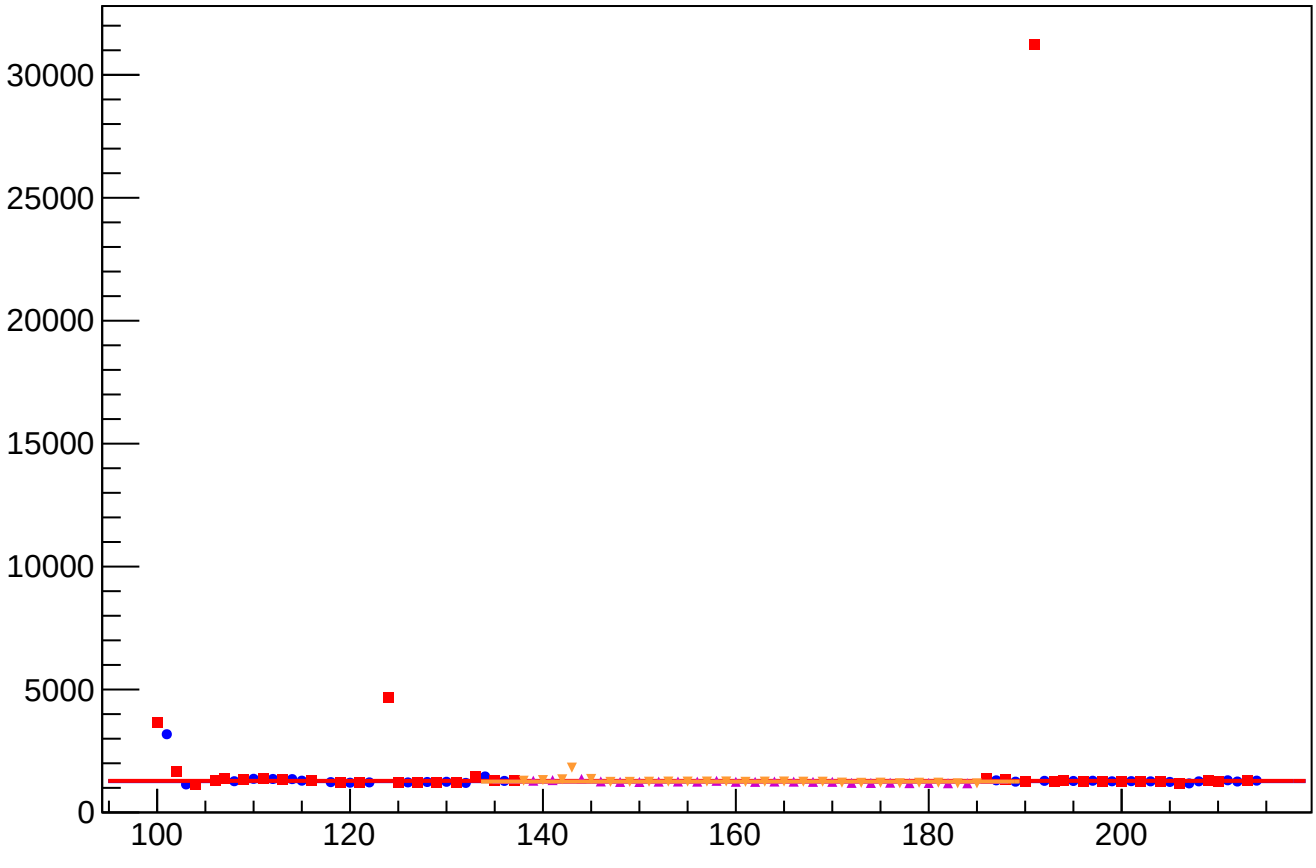
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -184.531+/-211.828 χ^2/NDF: 48.8/63

In: -307.055+/-208.855 χ^2/NDF:50.3/52

Out: -266.268+/-206.782 χ^2/NDF:62.3/58

All: -286.458+/-146.945 χ^2/NDF: 112.7/111



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

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

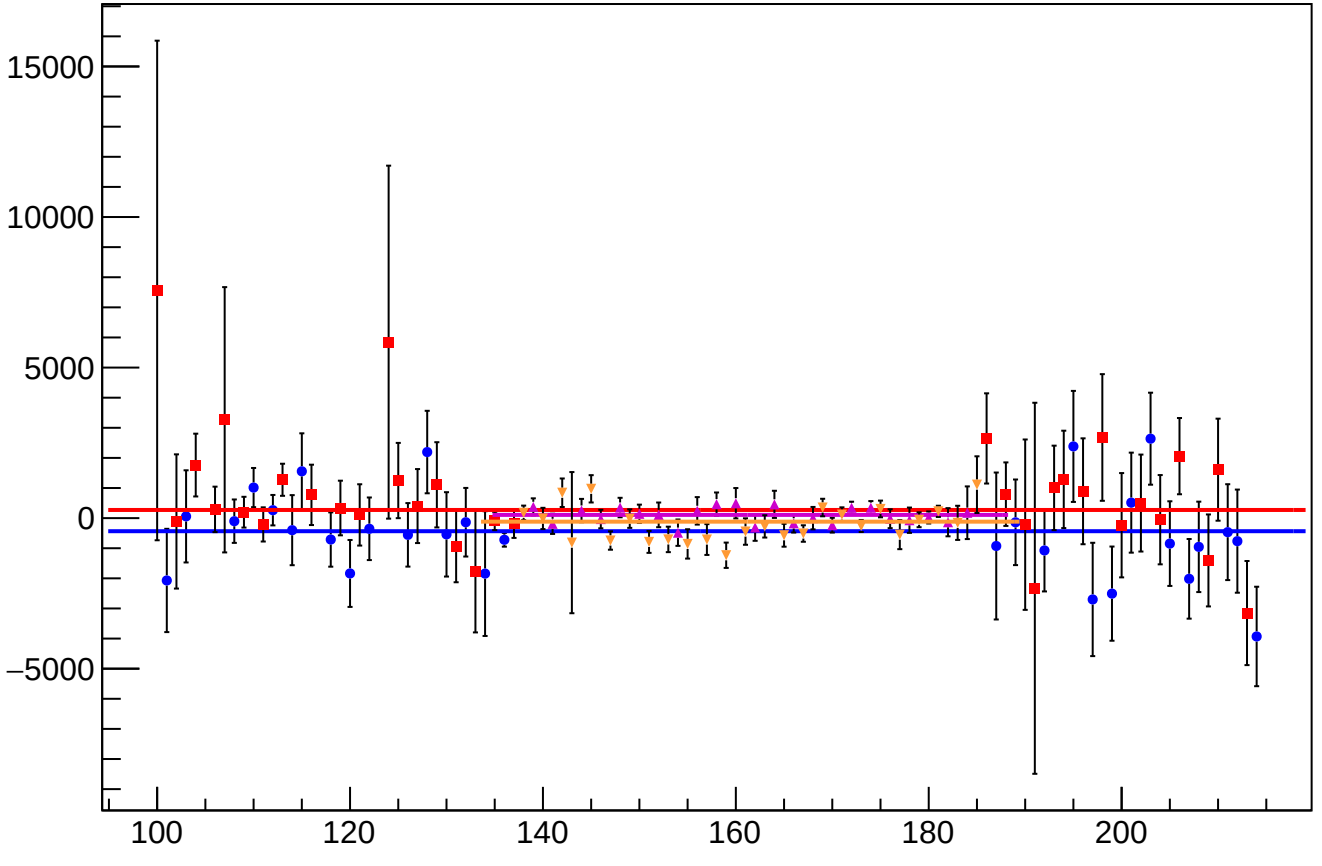
Right: 1278.938+/-0.150 χ^2/NDF: 1043121.8/63

In: 1259.521+/-0.148 χ^2/NDF:582440.1/52

Out: 1269.287+/-0.146 χ^2/NDF:720487.9/58

All: 1264.453+/-0.104 χ^2/NDF: 1305136.3/11

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



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

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

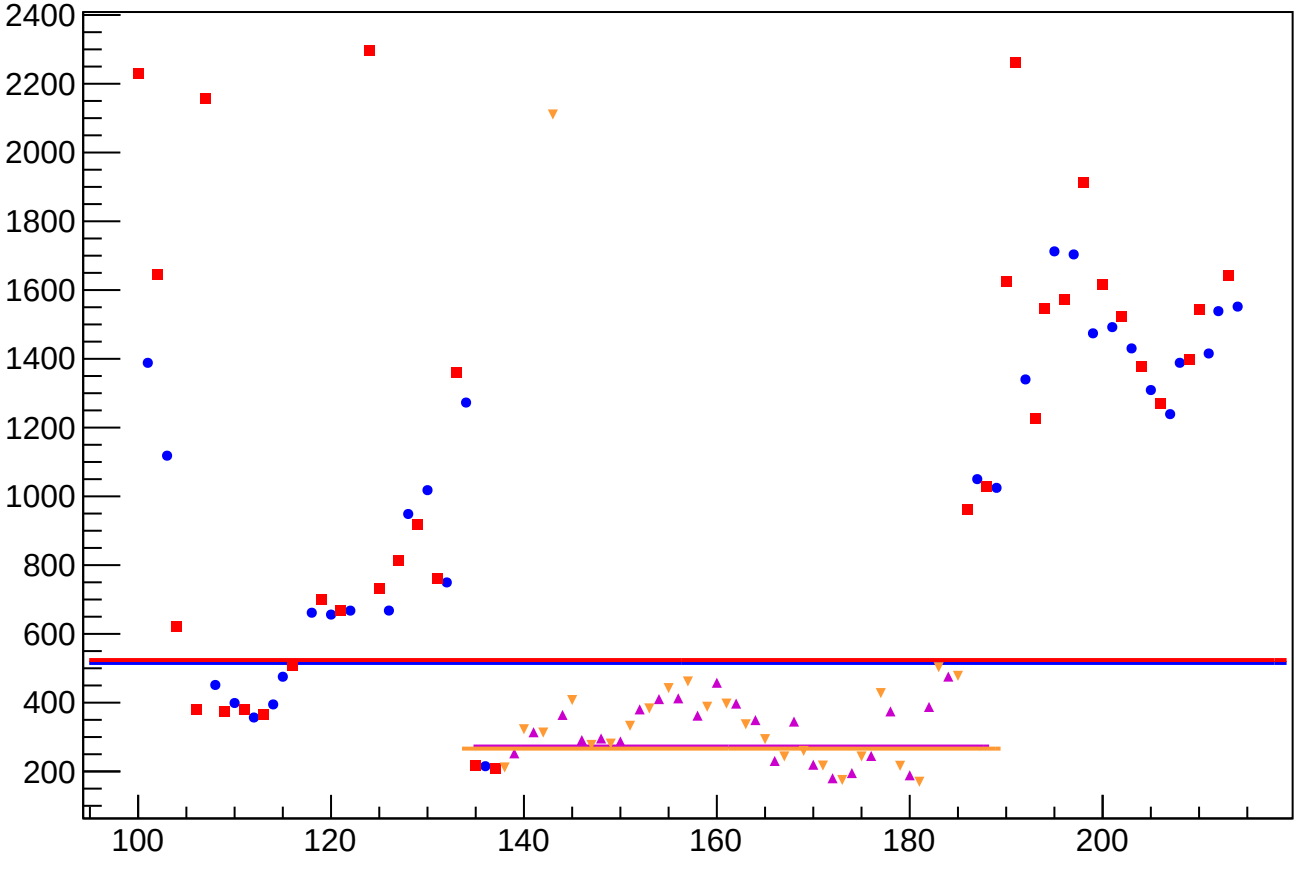
Right: -82.668+/-110.674 χ^2/NDF: 71.8/63

In: 23.360+/-61.582 χ^2/NDF:58.3/52

Out: -59.989+/-60.090 χ^2/NDF:80.9/58

All: -19.337+/-43.008 χ^2/NDF: 140.1/111

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



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

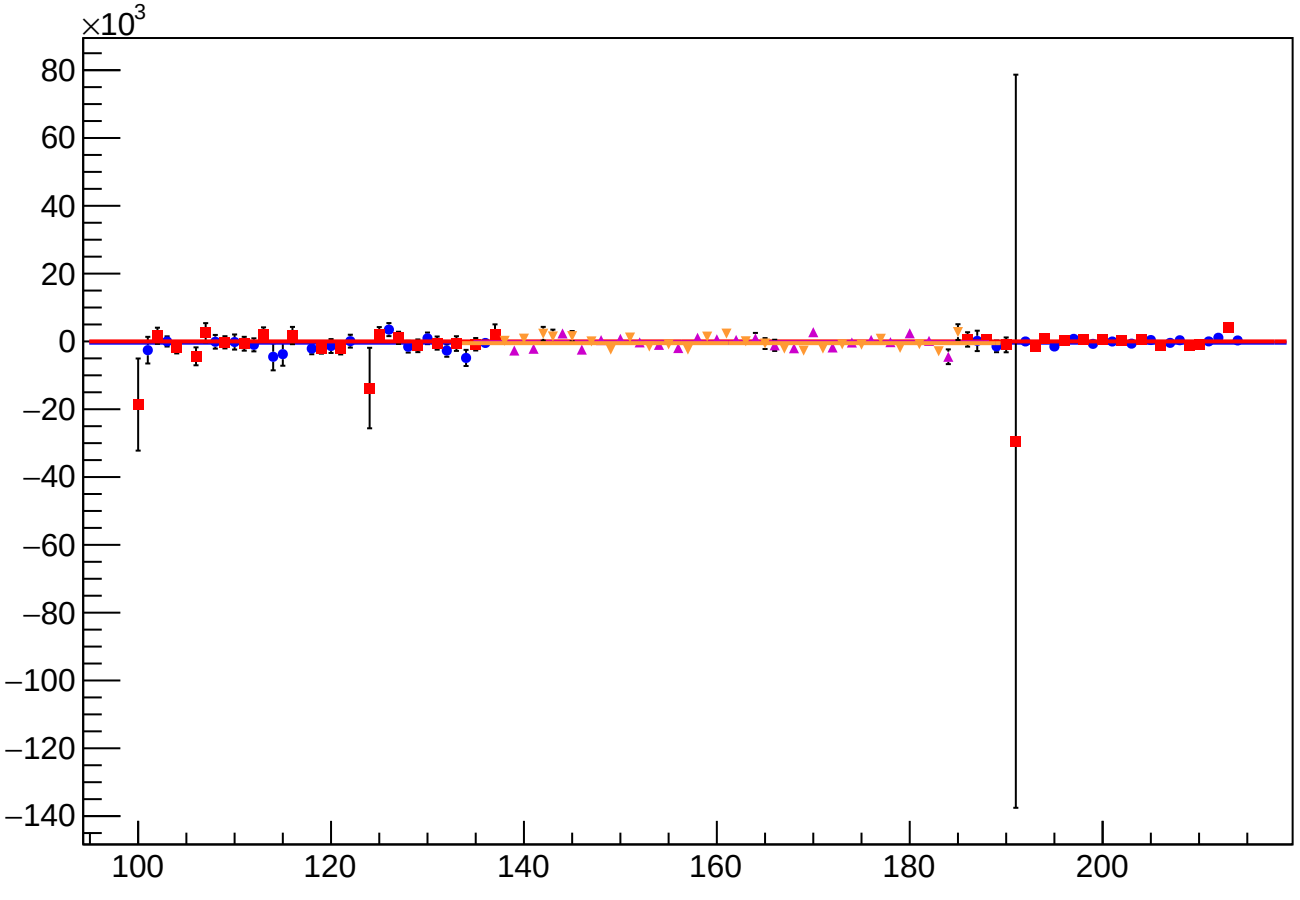
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 519.700+/-0.078 χ^2/NDF: 29072820.7/63

In: 310.125+/-0.044 χ^2/NDF:21467121.3/52

Out: 304.183+/-0.042 χ^2/NDF:23816701.5/58

All: 307.081+/-0.030 χ^2/NDF: 45293360.9/1



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

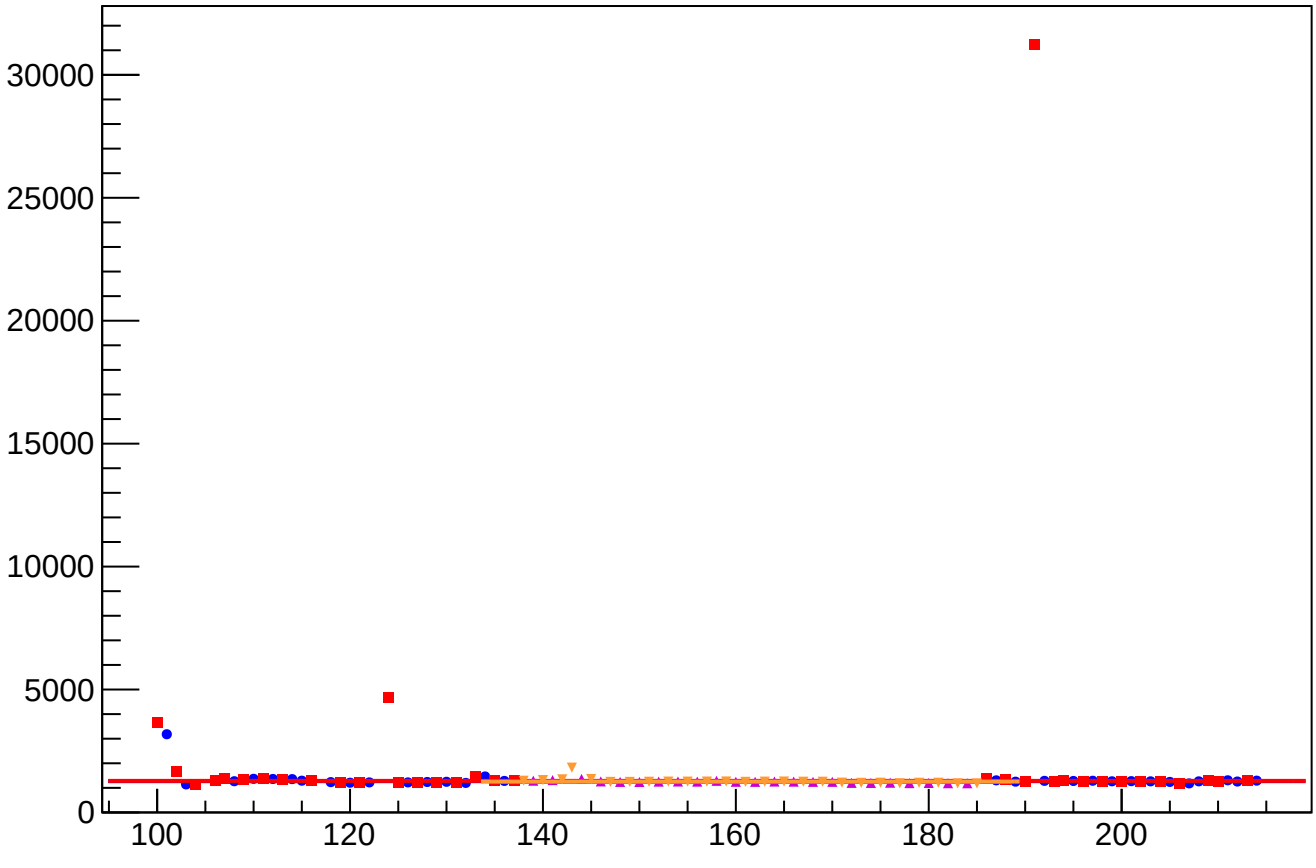
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -184.531+/-211.828 χ^2/NDF: 48.8/63

In: -307.055+/-208.855 χ^2/NDF:50.3/52

Out: -266.268+/-206.782 χ^2/NDF:62.3/58

All: -286.458+/-146.945 χ^2/NDF: 112.7/111



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

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

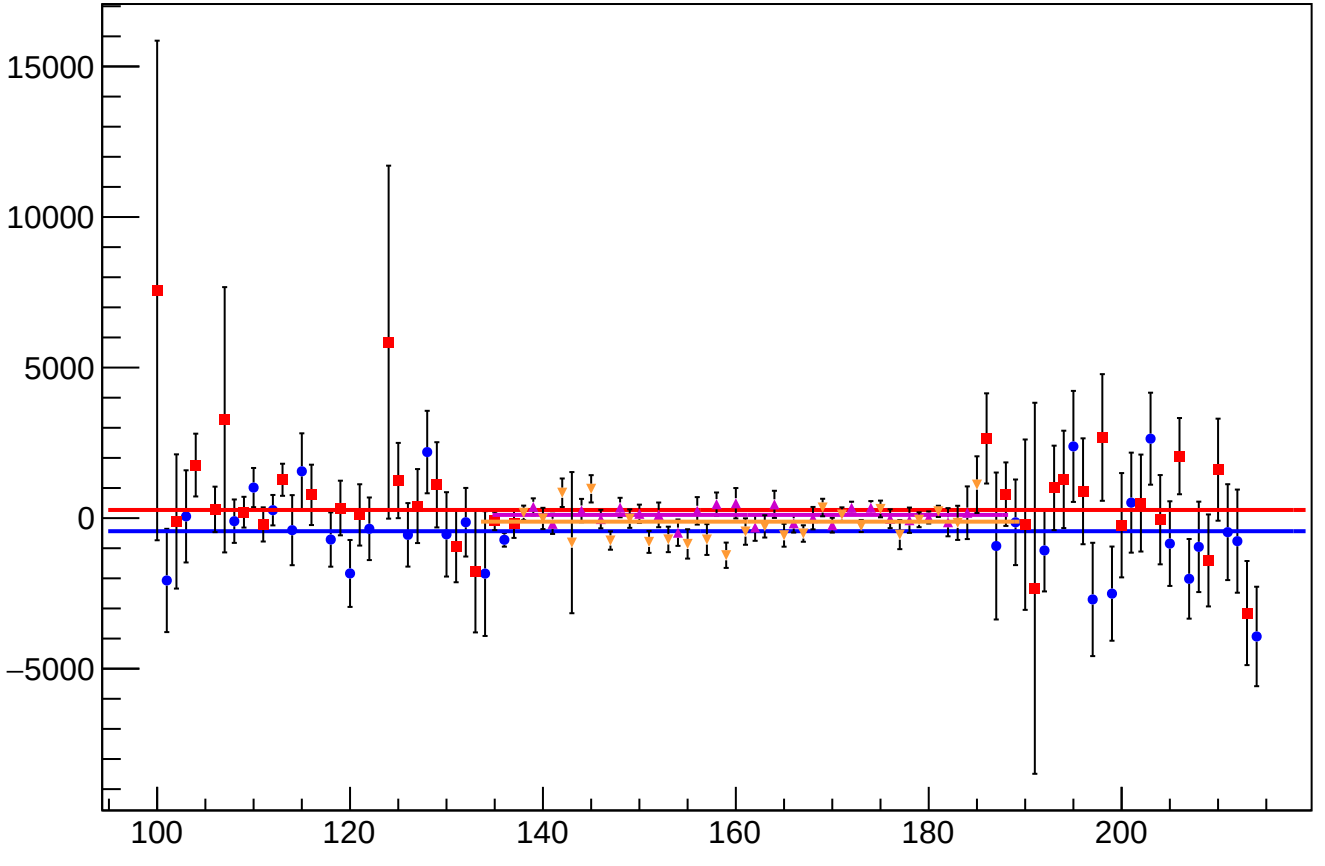
Right: 1278.938+/-0.150 χ^2/NDF: 1043121.8/63

In: 1259.521+/-0.148 χ^2/NDF:582440.1/52

Out: 1269.287+/-0.146 χ^2/NDF:720487.9/58

All: 1264.453+/-0.104 χ^2/NDF: 1305136.3/11

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

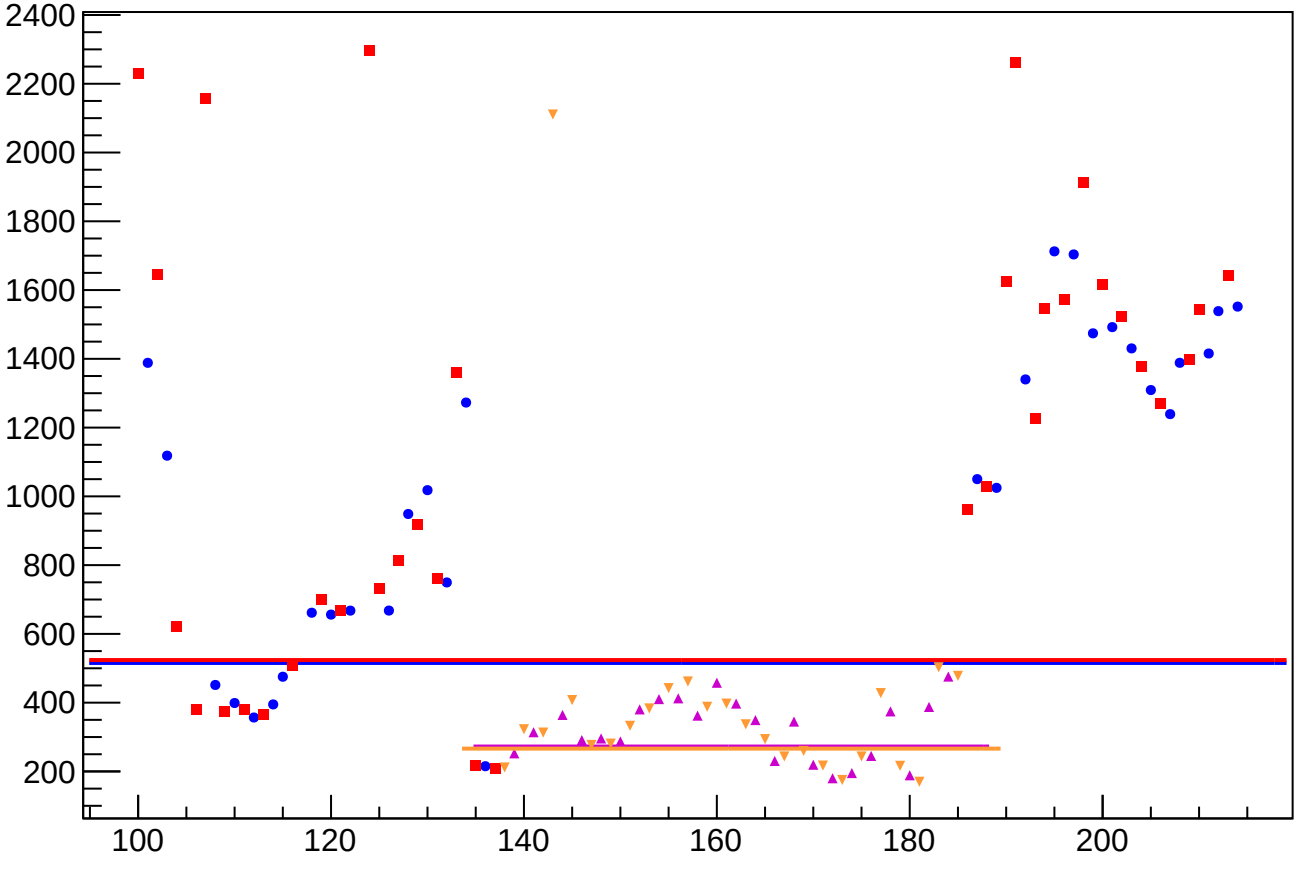
Right: -82.668+/-110.674 χ^2/NDF: 71.8/63

In: 23.360+/-61.582 χ^2/NDF:58.3/52

Out: -59.989+/-60.090 χ^2/NDF:80.9/58

All: -19.337+/-43.008 χ^2/NDF: 140.1/111

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

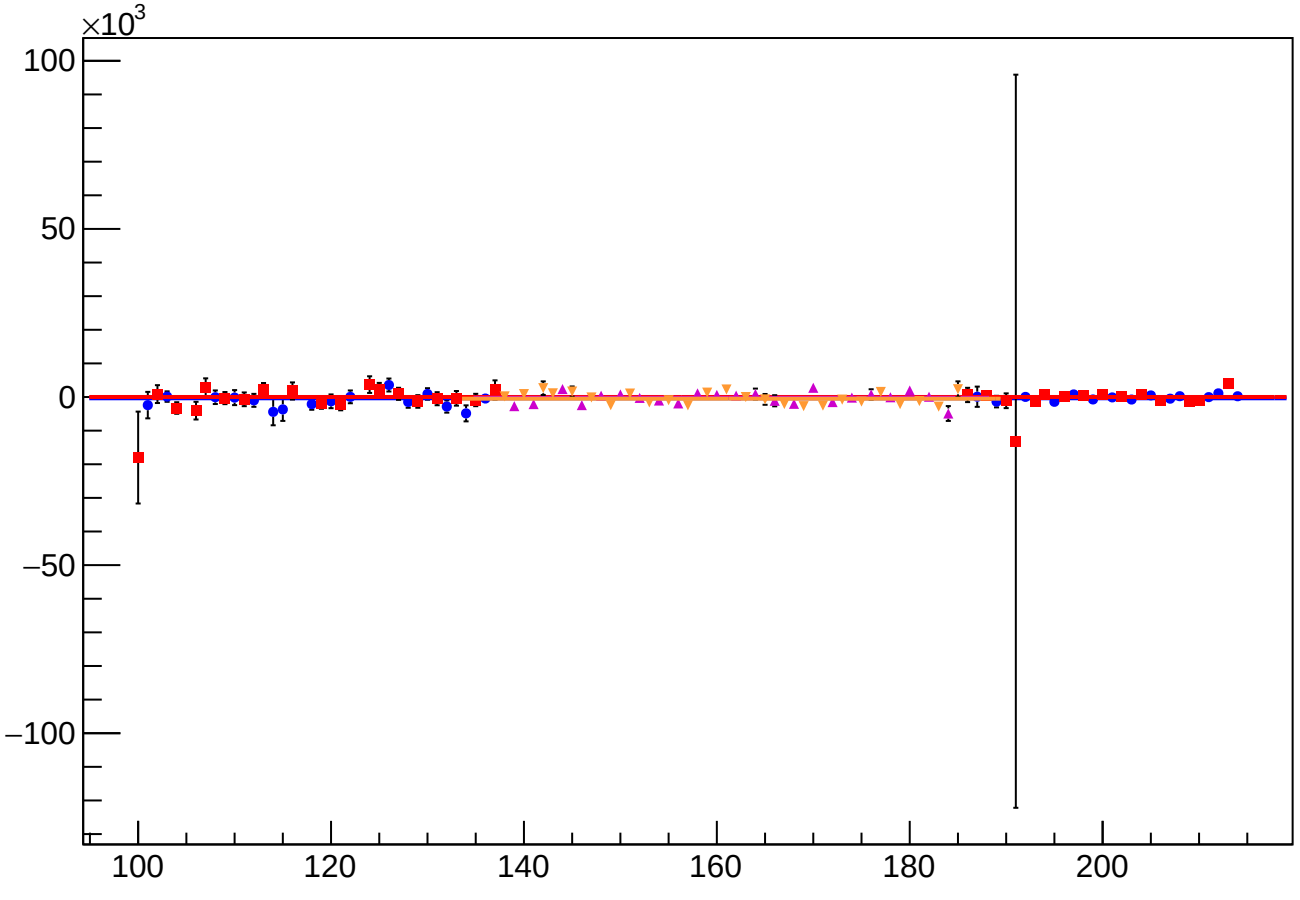
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 519.700+/-0.078 χ^2/NDF: 29072820.7/63

In: 310.125+/-0.044 χ^2/NDF:21467121.3/52

Out: 304.183+/-0.042 χ^2/NDF:23816701.5/58

All: 307.081+/-0.030 χ^2/NDF: 45293360.9/1



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

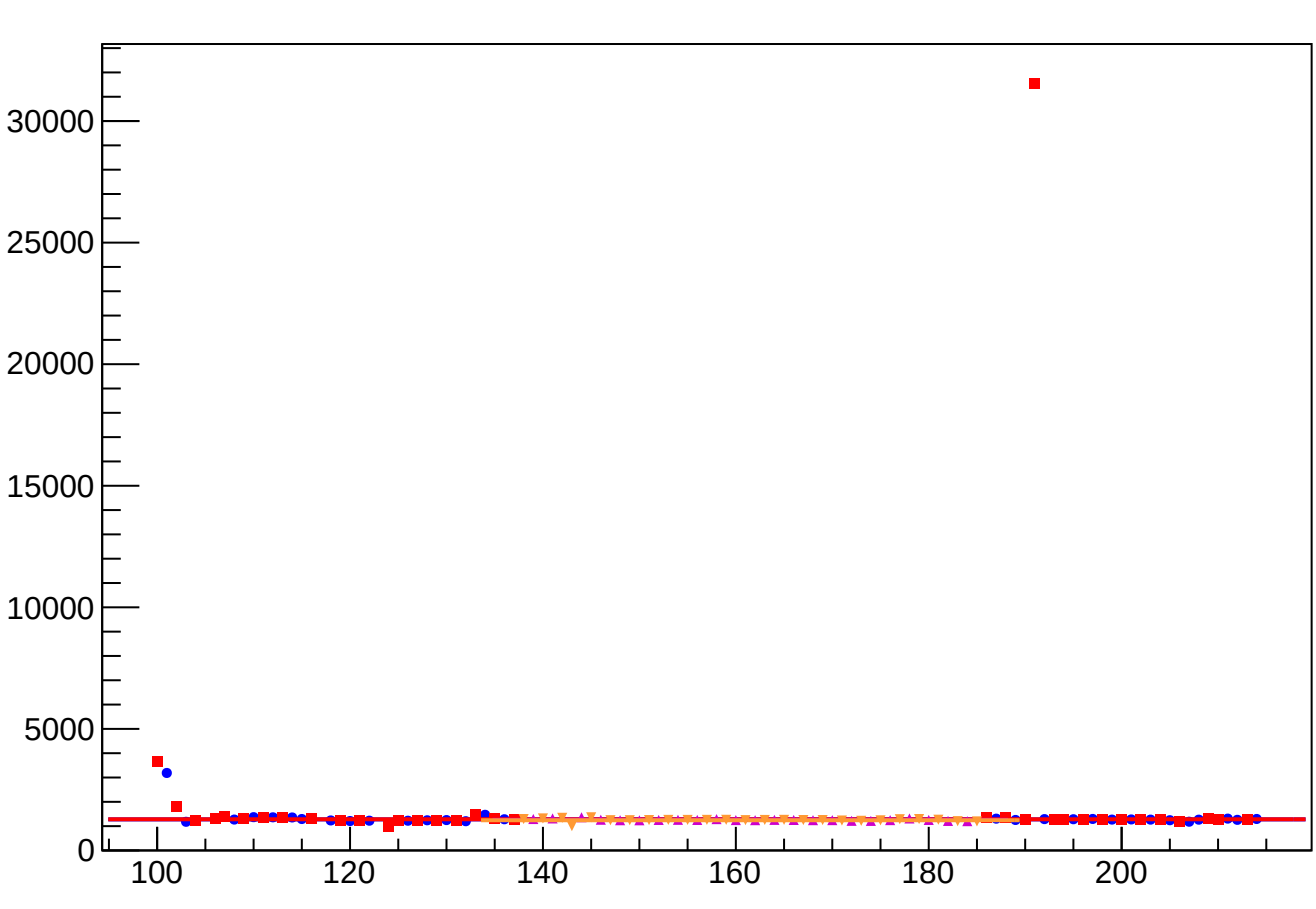
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -179.312+/-211.932 χ^2/NDF: 50.7/63

In: -306.145+/-210.302 χ^2/NDF:48.9/52

Out: -254.628+/-205.387 χ^2/NDF:67.5/58

All: -279.777+/-146.938 χ^2/NDF: 116.5/111



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

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

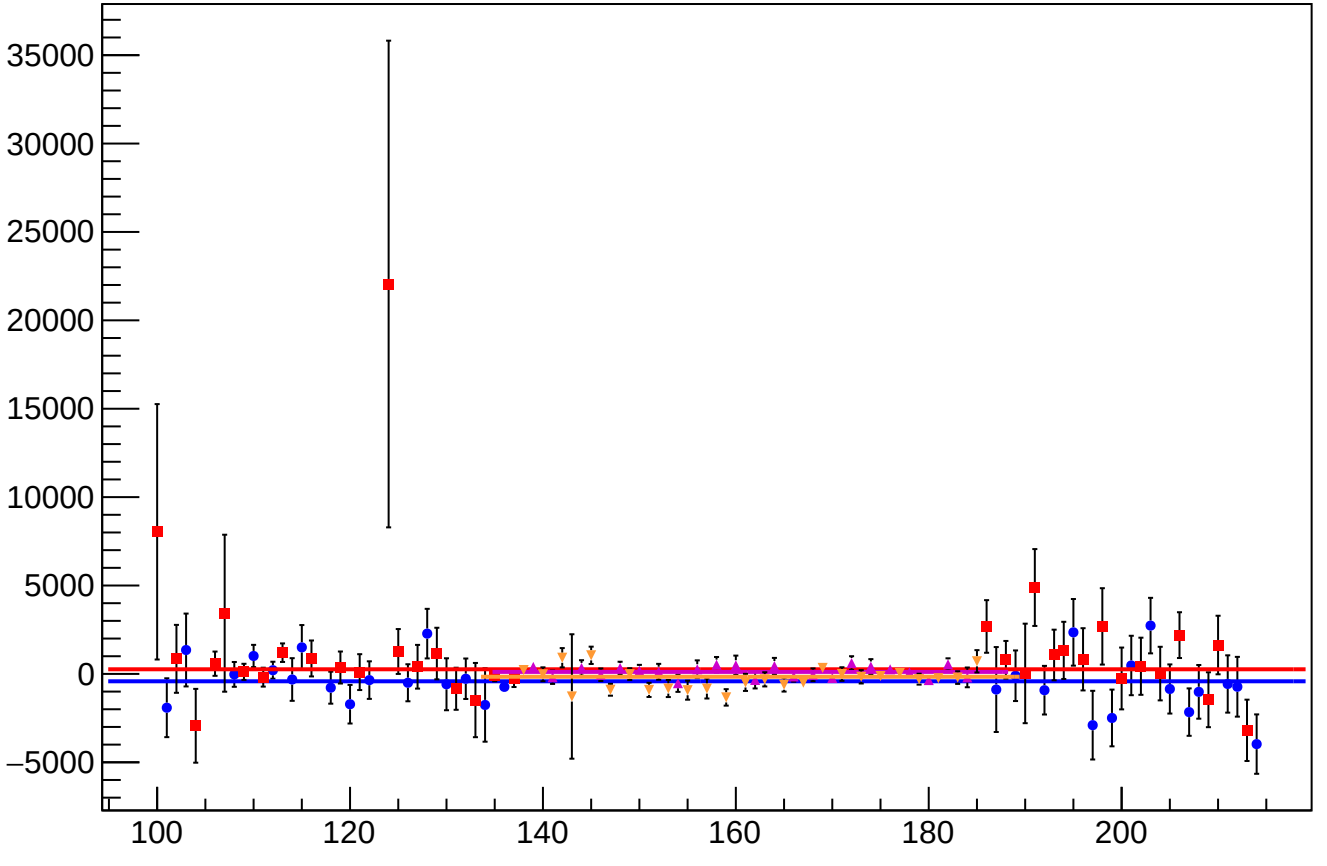
Right: 1279.647+/-0.150 χ^2/NDF: 915090.2/63

In: 1268.409+/-0.149 χ^2/NDF:557929.1/52

Out: 1261.263+/-0.145 χ^2/NDF:536659.6/58

All: 1264.752+/-0.104 χ^2/NDF: 1095770.4/11

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



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

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

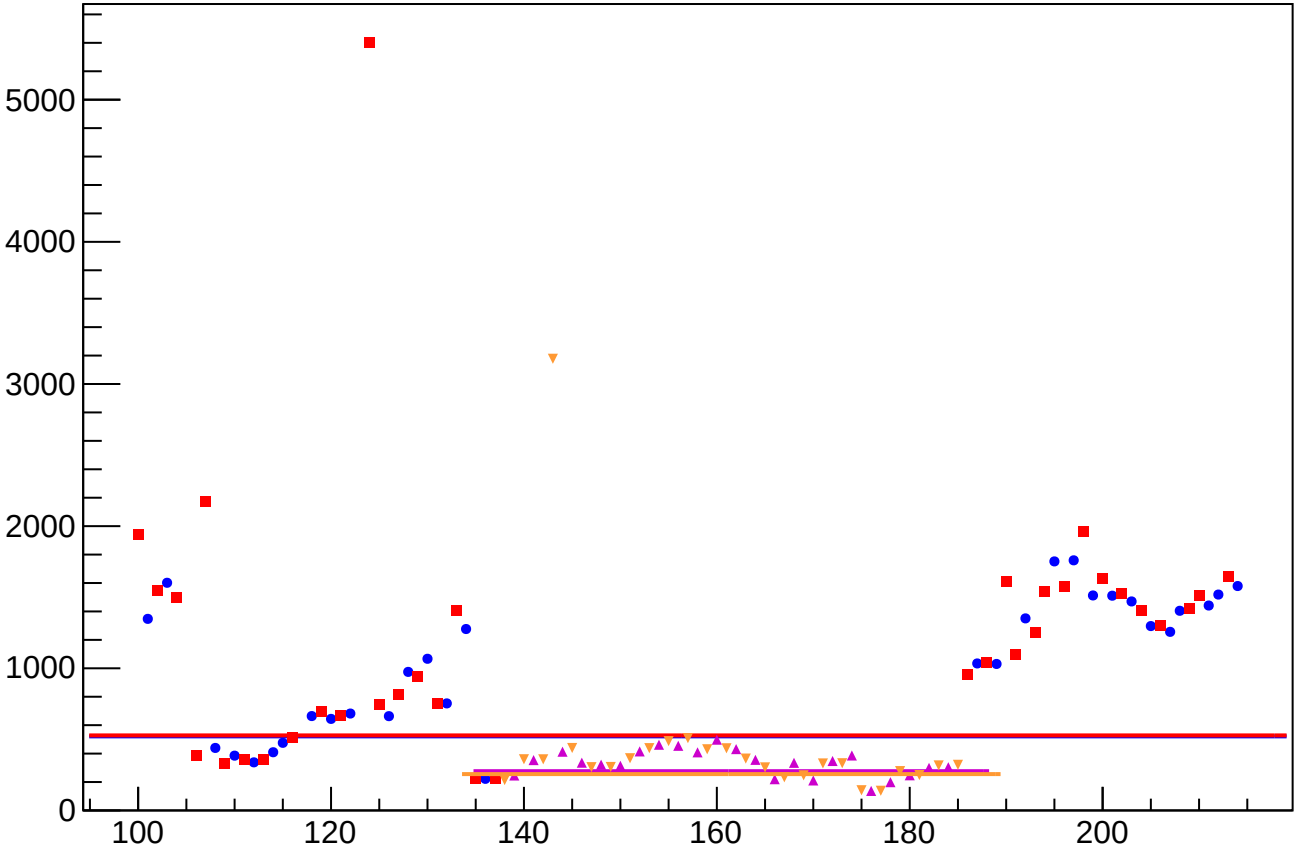
Right: -75.588+/-111.275 χ^2/NDF: 78.3/63

In: 28.877+/-63.106 χ^2/NDF:62.7/52

Out: -100.373+/-59.360 χ^2/NDF:84.0/58

All: -39.698+/-43.238 χ^2/NDF: 148.9/111

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



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

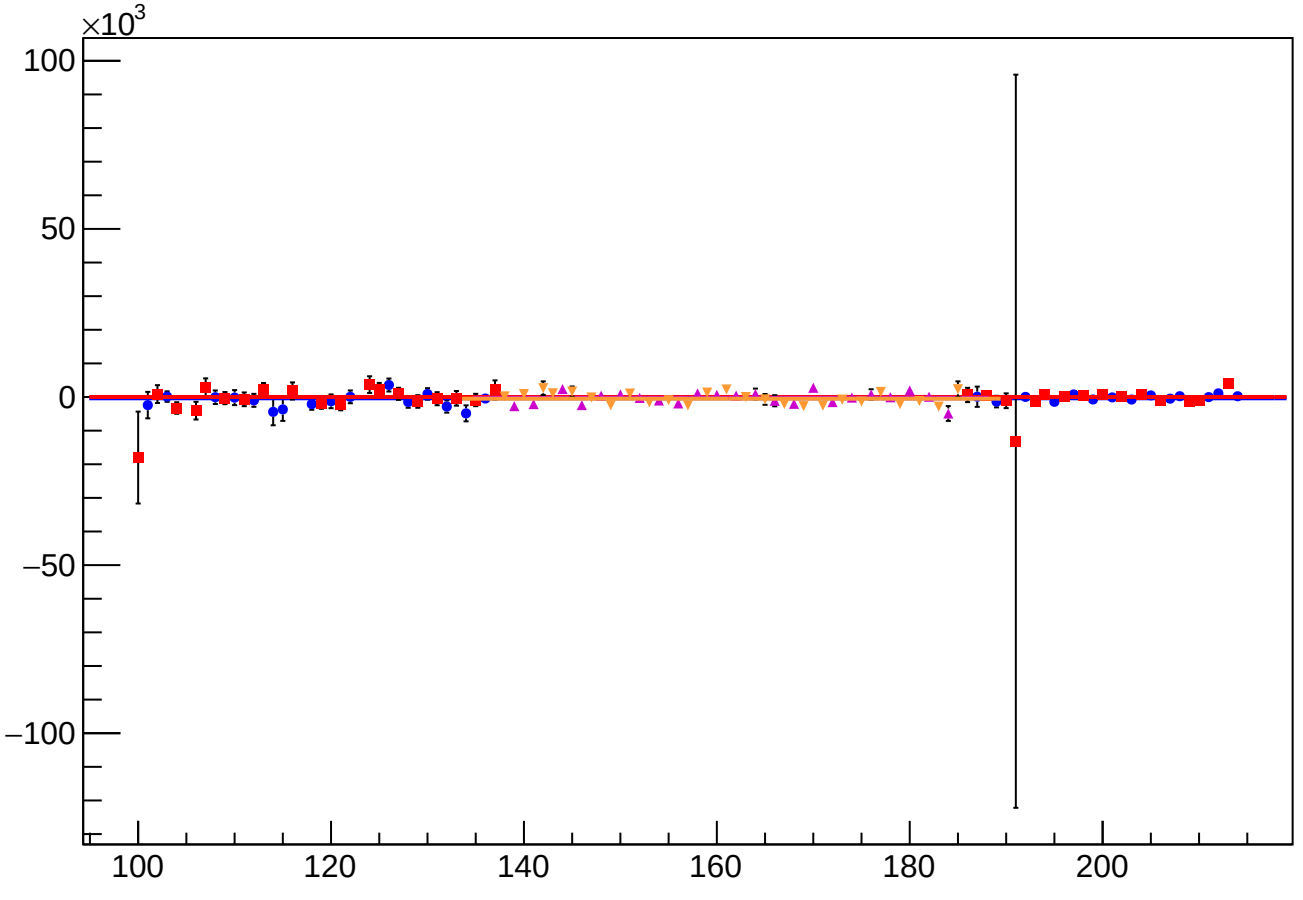
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 524.584+/-0.079 χ^2/NDF: 29723843.3/63

In: 315.392+/-0.045 χ^2/NDF:22700390.9/52

Out: 294.776+/-0.042 χ^2/NDF:26625735.2/58

All: 304.454+/-0.031 χ^2/NDF: 49439367.2/11



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

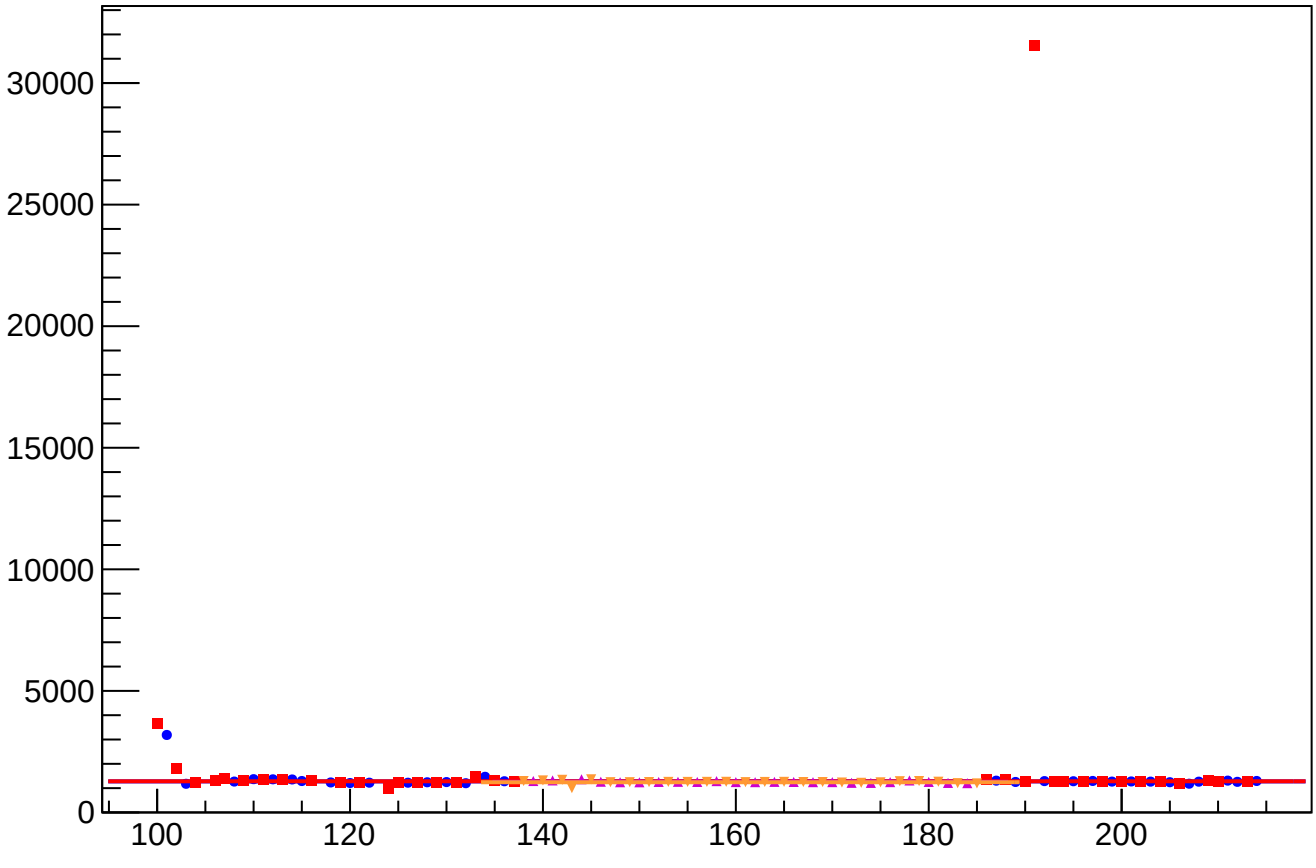
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -179.311+/-211.932 χ^2/NDF: 50.7/63

In: -306.144+/-210.302 χ^2/NDF:48.9/52

Out: -254.628+/-205.387 χ^2/NDF:67.5/58

All: -279.777+/-146.938 χ^2/NDF: 116.5/111



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

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

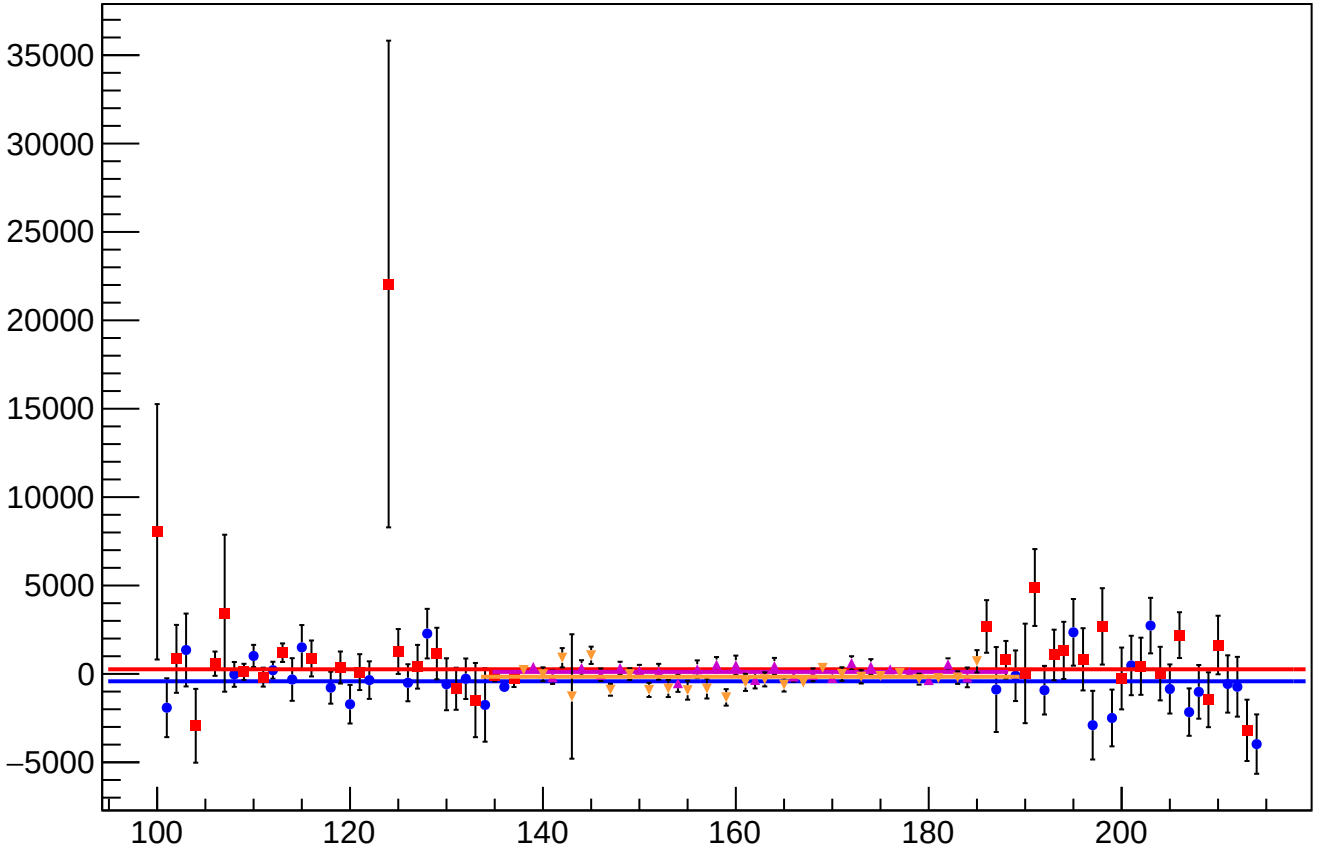
Right: 1279.647+/-0.150 χ^2/NDF: 915090.5/63

In: 1268.409+/-0.149 χ^2/NDF:557929.1/52

Out: 1261.263+/-0.145 χ^2/NDF:536659.0/58

All: 1264.752+/-0.104 χ^2/NDF: 1095769.9/11

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

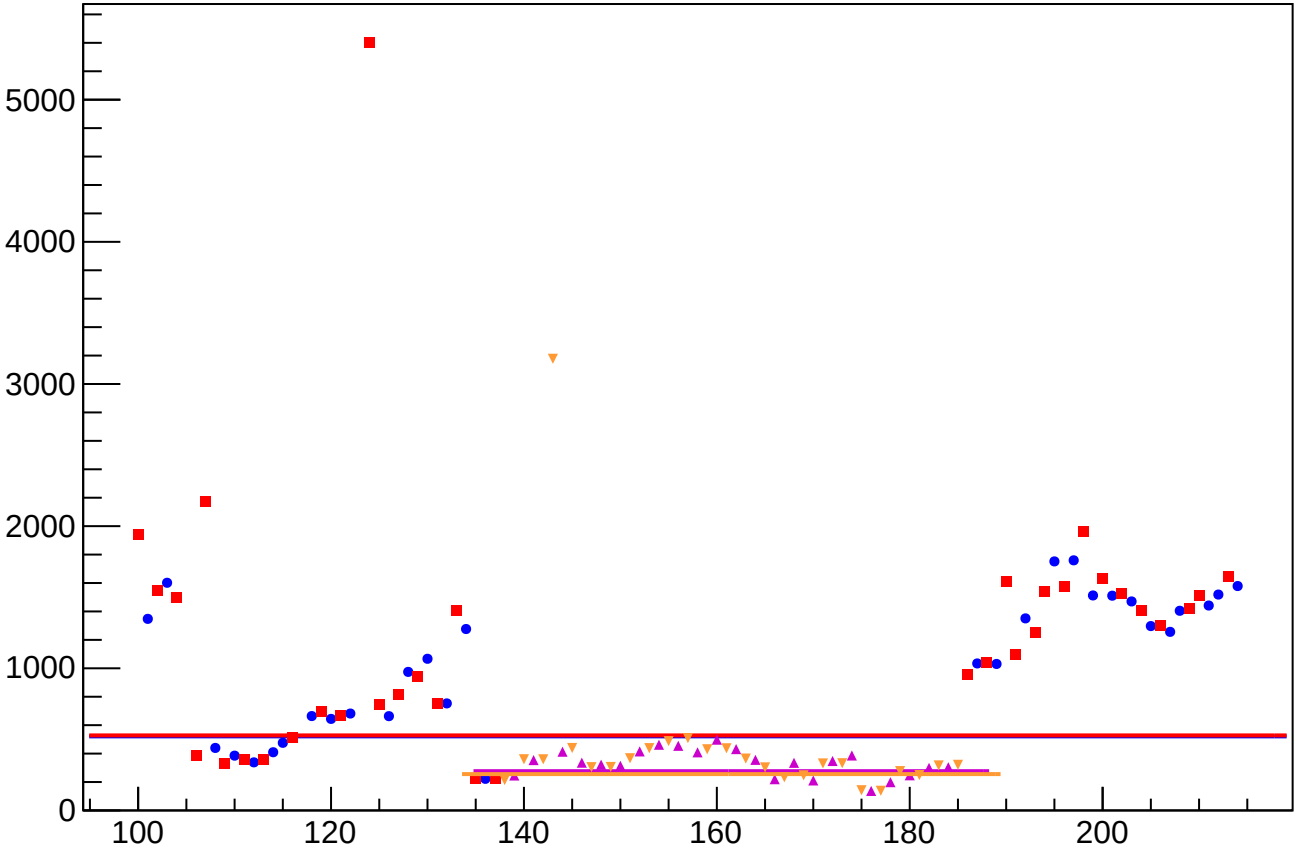
Right: -75.584+/-111.276 χ^2/NDF: 78.3/63

In: 28.877+/-63.106 χ^2/NDF:62.7/52

Out: -100.376+/-59.360 χ^2/NDF:84.0/58

All: -39.699+/-43.238 χ^2/NDF: 148.9/111

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

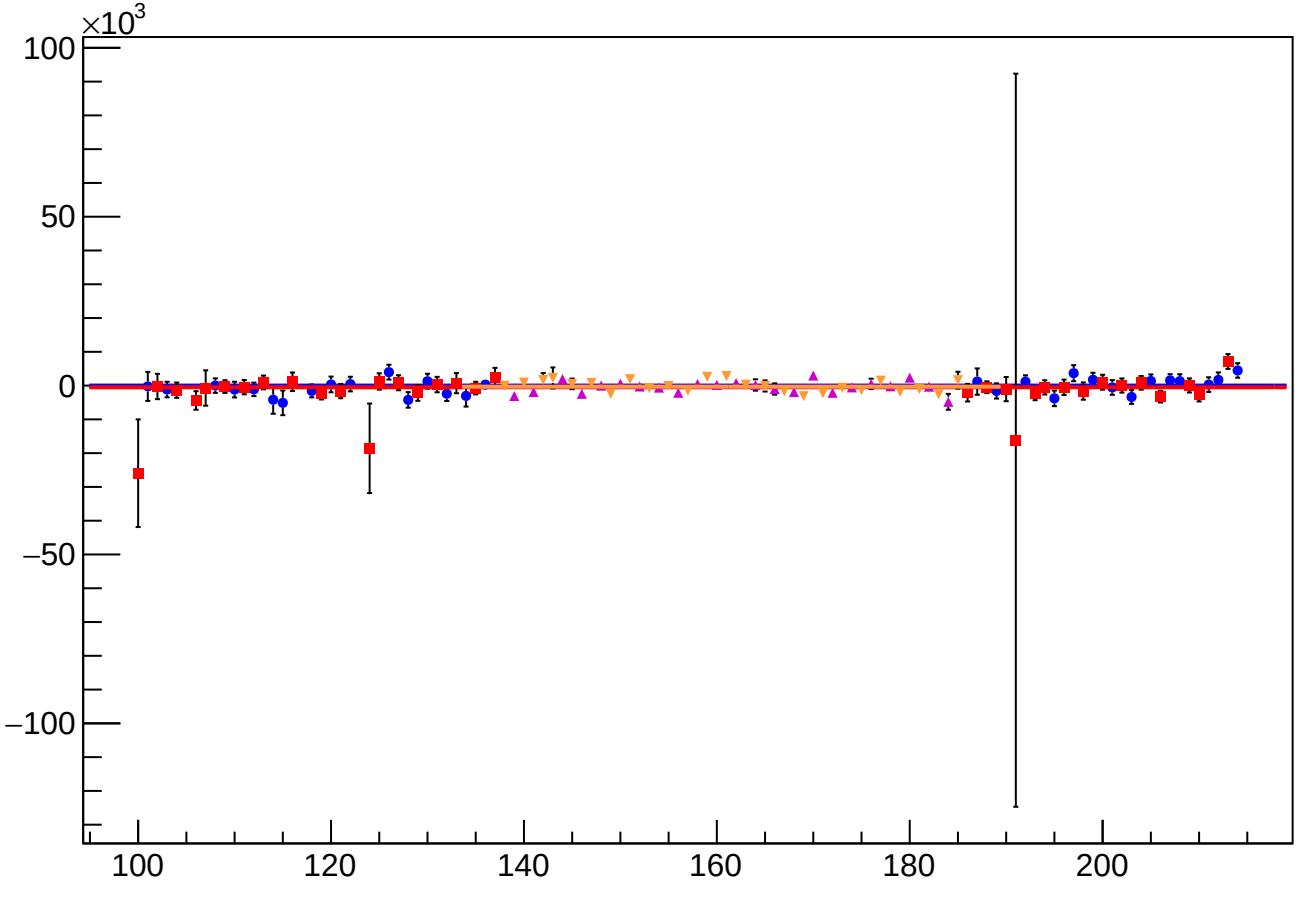
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 524.596+/-0.079 χ^2/NDF: 29723092.5/63

In: 315.393+/-0.045 χ^2/NDF:22700231.8/52

Out: 294.778+/-0.042 χ^2/NDF:26625532.0/58

All: 304.456+/-0.031 χ^2/NDF: 49438999.0/11



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

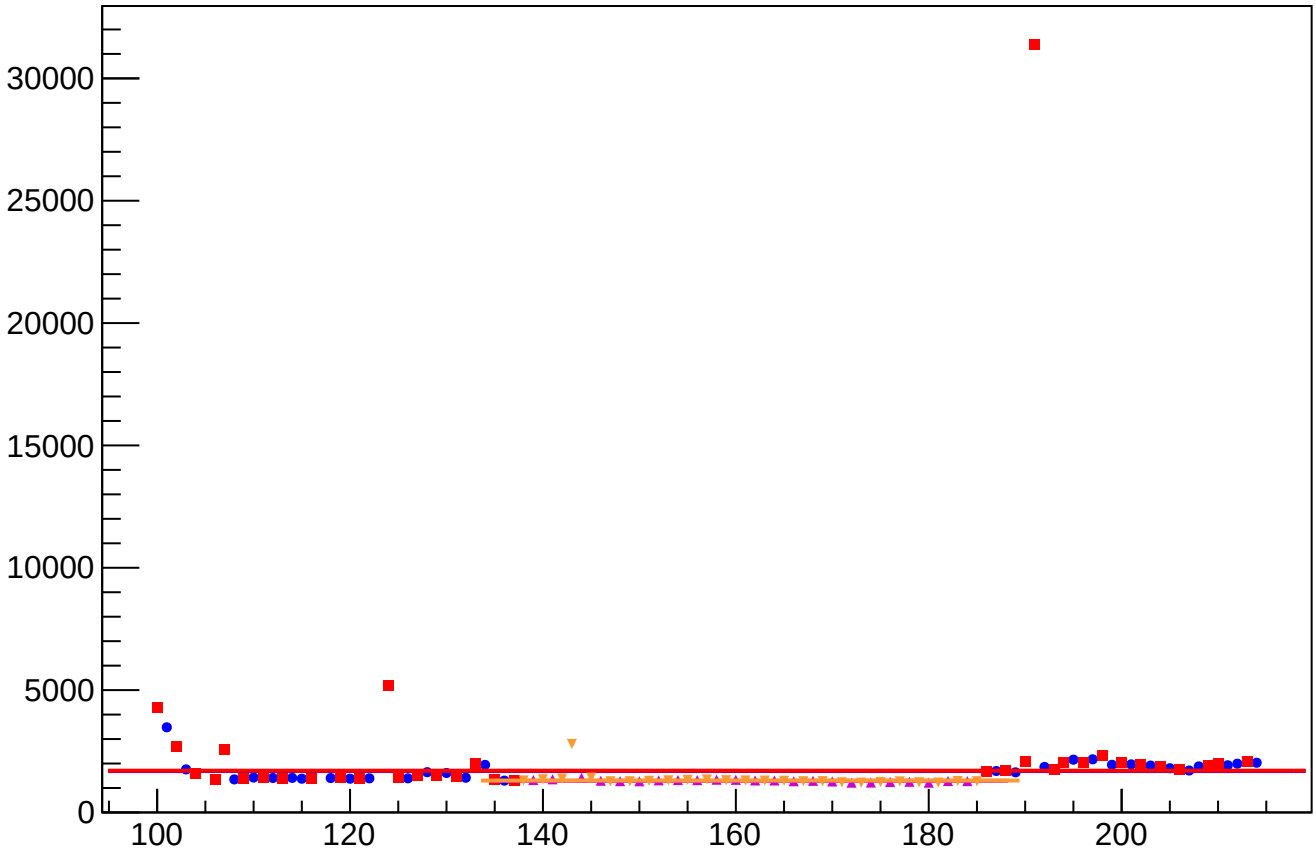
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -245.568+/-285.069 χ^2/NDF: 59.8/63

In: -226.469+/-241.541 χ^2/NDF:60.0/52

Out: -382.356+/-239.890 χ^2/NDF:60.8/58

All: -304.947+/-170.208 χ^2/NDF: 121.1/111



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

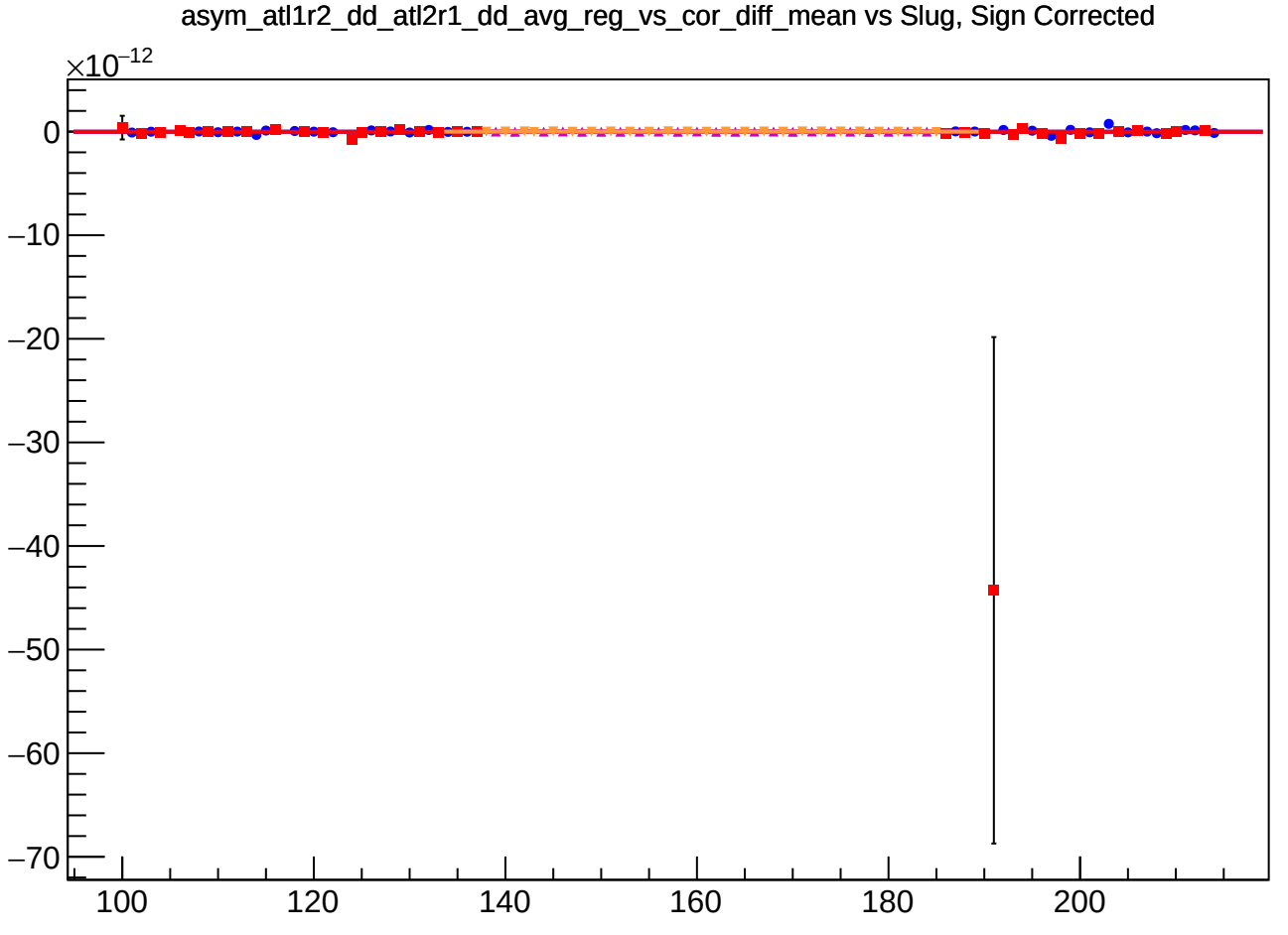
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1699.339+/-0.202 χ^2/NDF: 2759508.7/63

In: 1435.957+/-0.171 χ^2/NDF:2562442.5/52

Out: 1446.402+/-0.170 χ^2/NDF:3312990.1/58

All: 1441.215+/-0.120 χ^2/NDF: 5877315.3/11



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

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

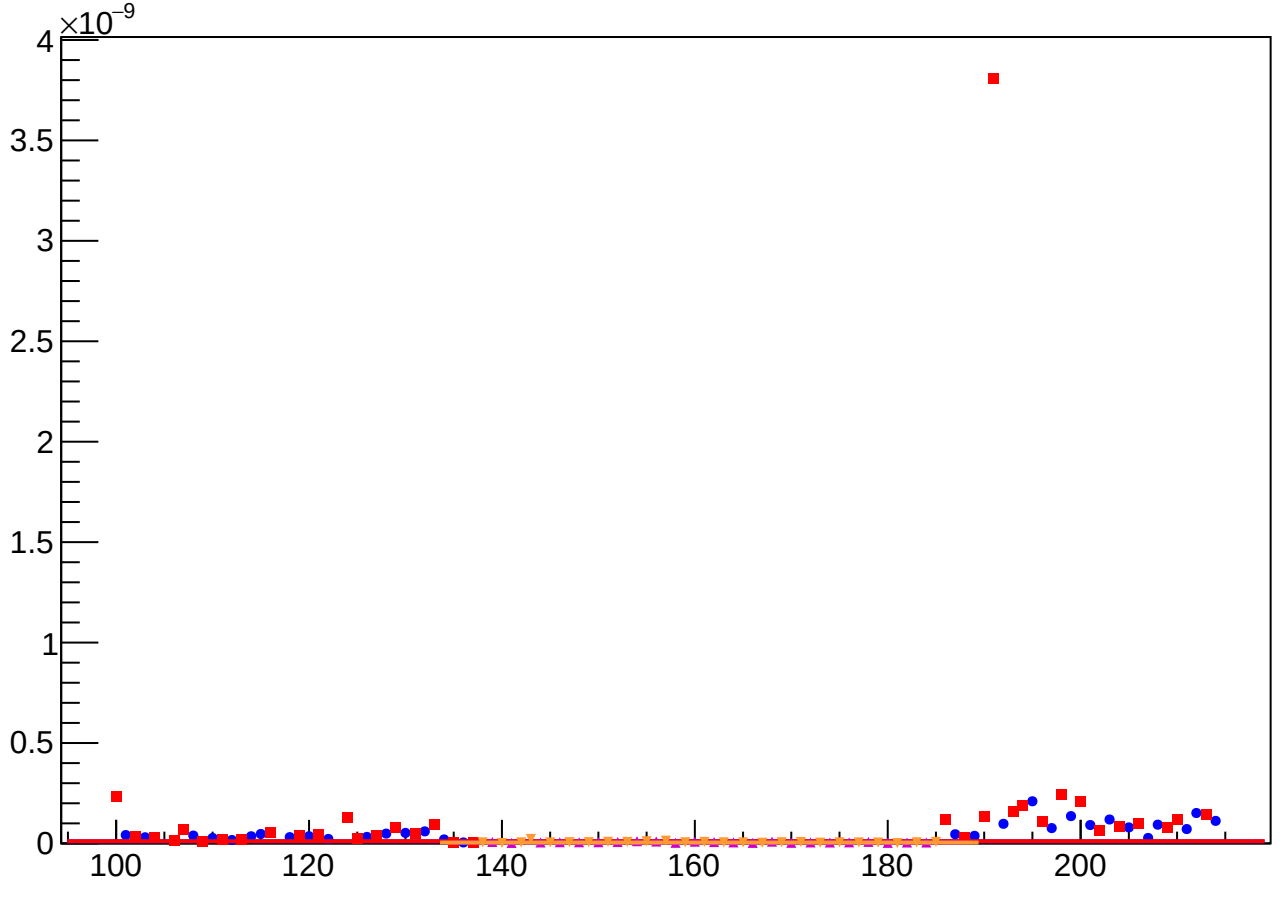
Right: -0.000+/-0.000 χ^2/NDF: 70.6/63

In: -0.000+/-0.000 χ^2/NDF:63.4/52

Out: -0.000+/-0.000 χ^2/NDF:65.9/58

All: -0.000+/-0.000 χ^2/NDF: 129.6/111

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

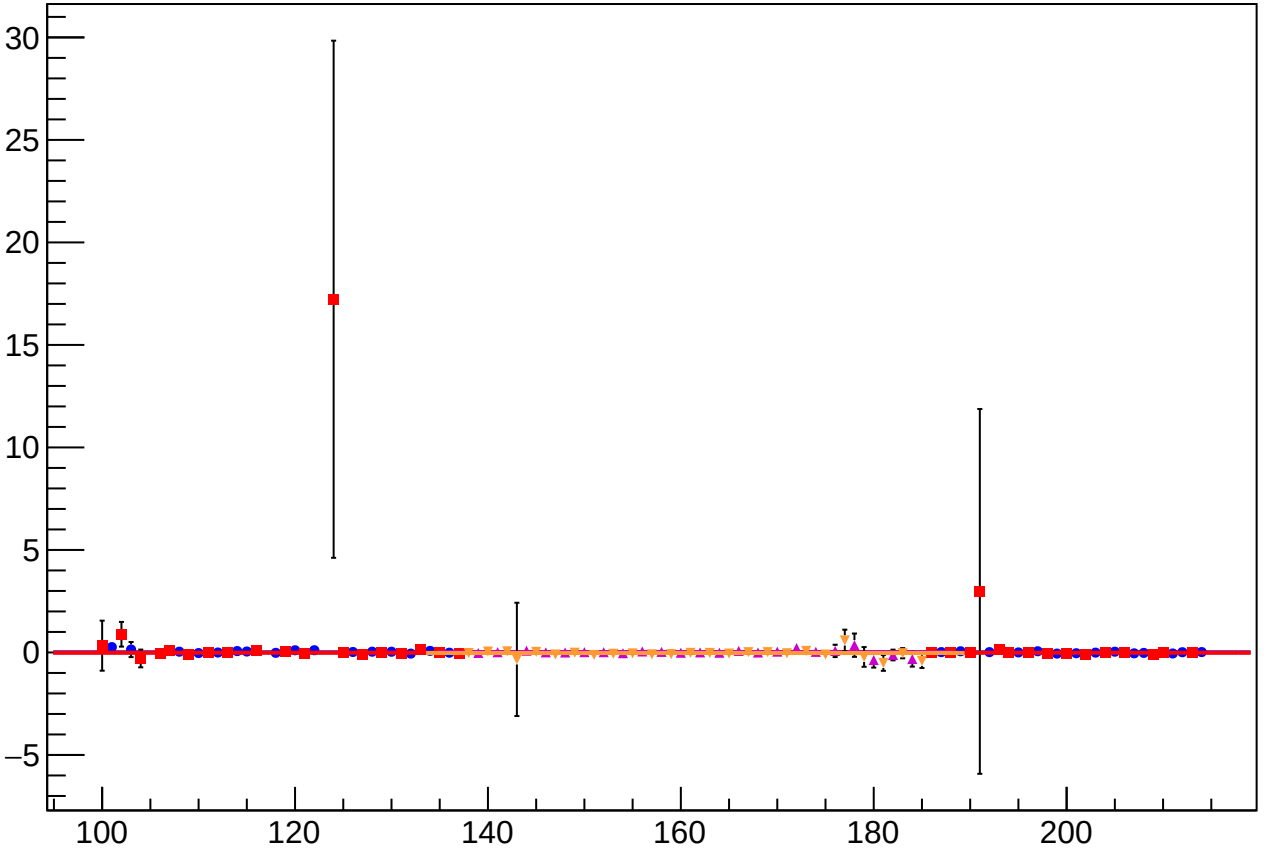
Right: 0.000+/-0.000 χ^2/NDF: 20719346.4/63

In: 0.000+/-0.000 χ^2/NDF:12389014.8/52

Out: 0.000+/-0.000 χ^2/NDF:15324544.1/58

All: 0.000+/-0.000 χ^2/NDF: 27744345.7/111

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

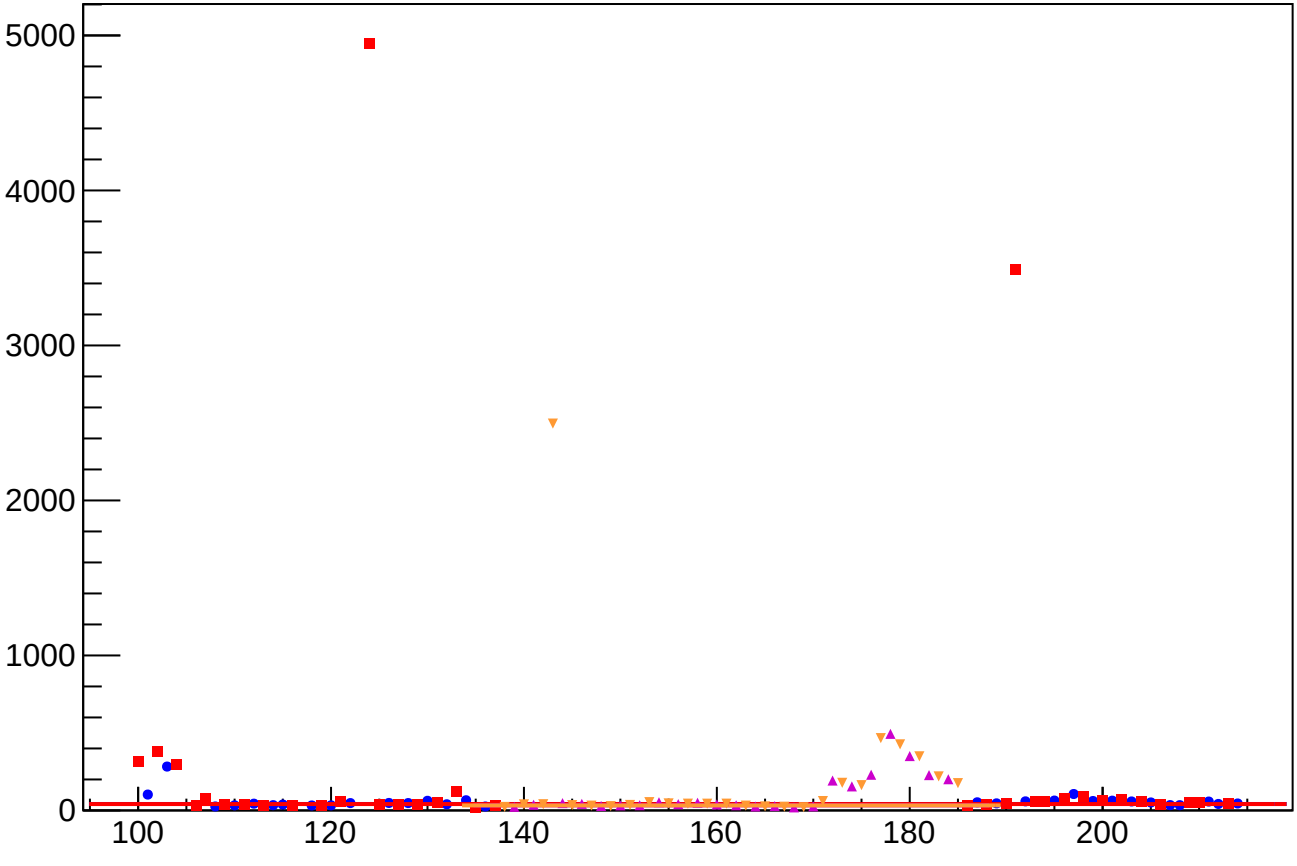
Right: -0.004+/-0.008 χ^2/NDF: 45.1/63

In: 0.008+/-0.007 χ^2/NDF:30.3/52

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.9/111

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

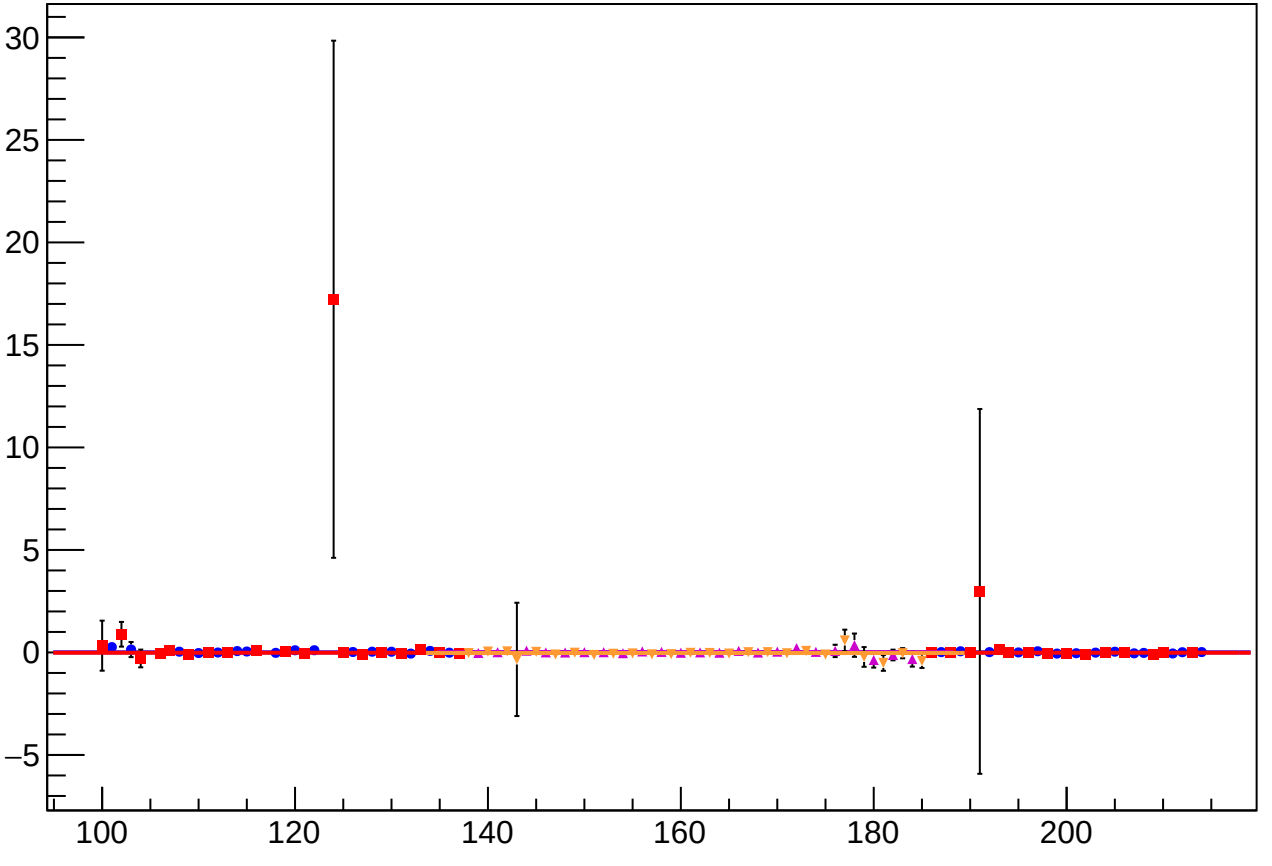
Right: 41.504+/-0.006 χ^2/NDF: 9784484.2/63

In: 36.544+/-0.005 χ^2/NDF:13981018.0/52

Out: 36.280+/-0.005 χ^2/NDF:17114204.2/58

All: 36.412+/-0.004 χ^2/NDF: 31096562.2/111

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

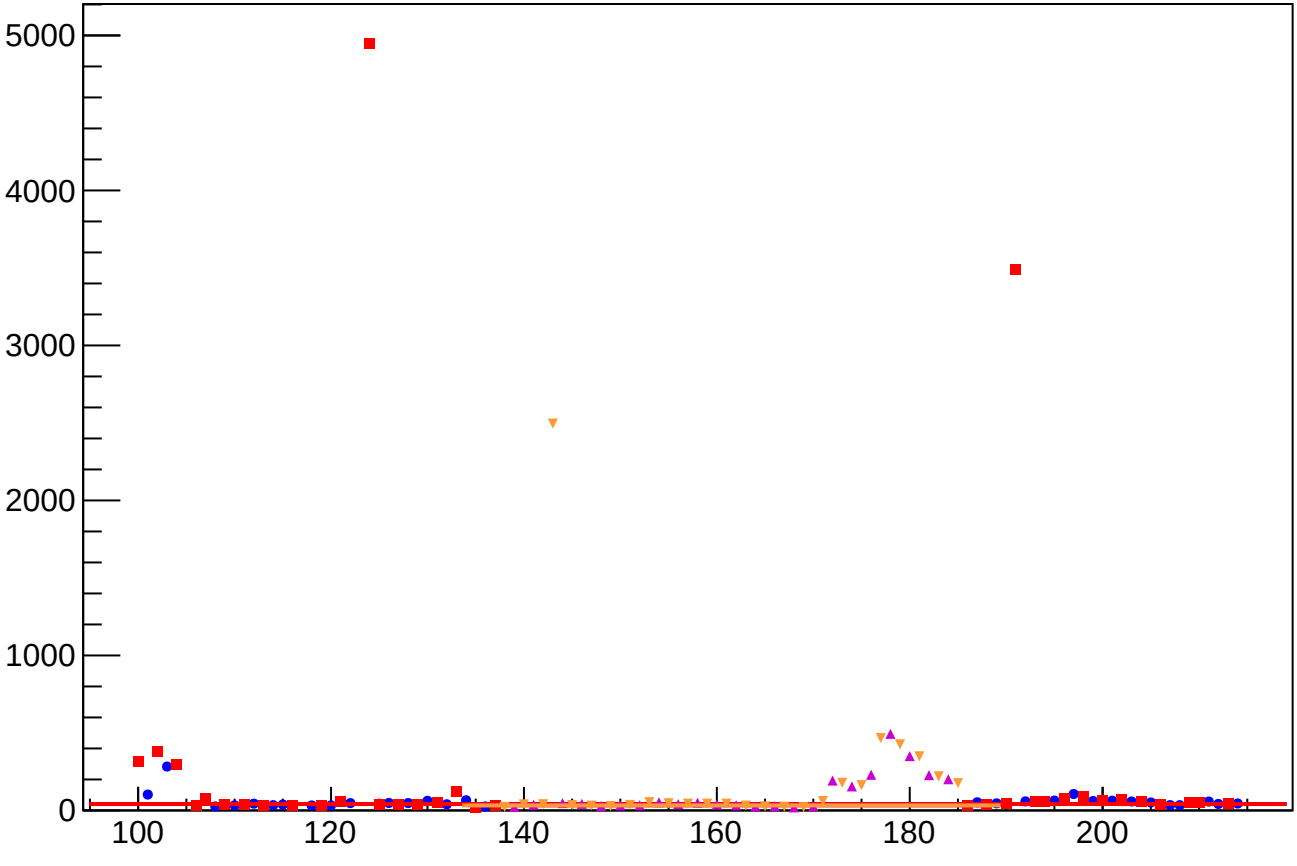
Right: -0.004+/-0.008 χ^2/NDF: 45.1/63

In: 0.008+/-0.007 χ^2/NDF:30.3/52

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.9/111

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

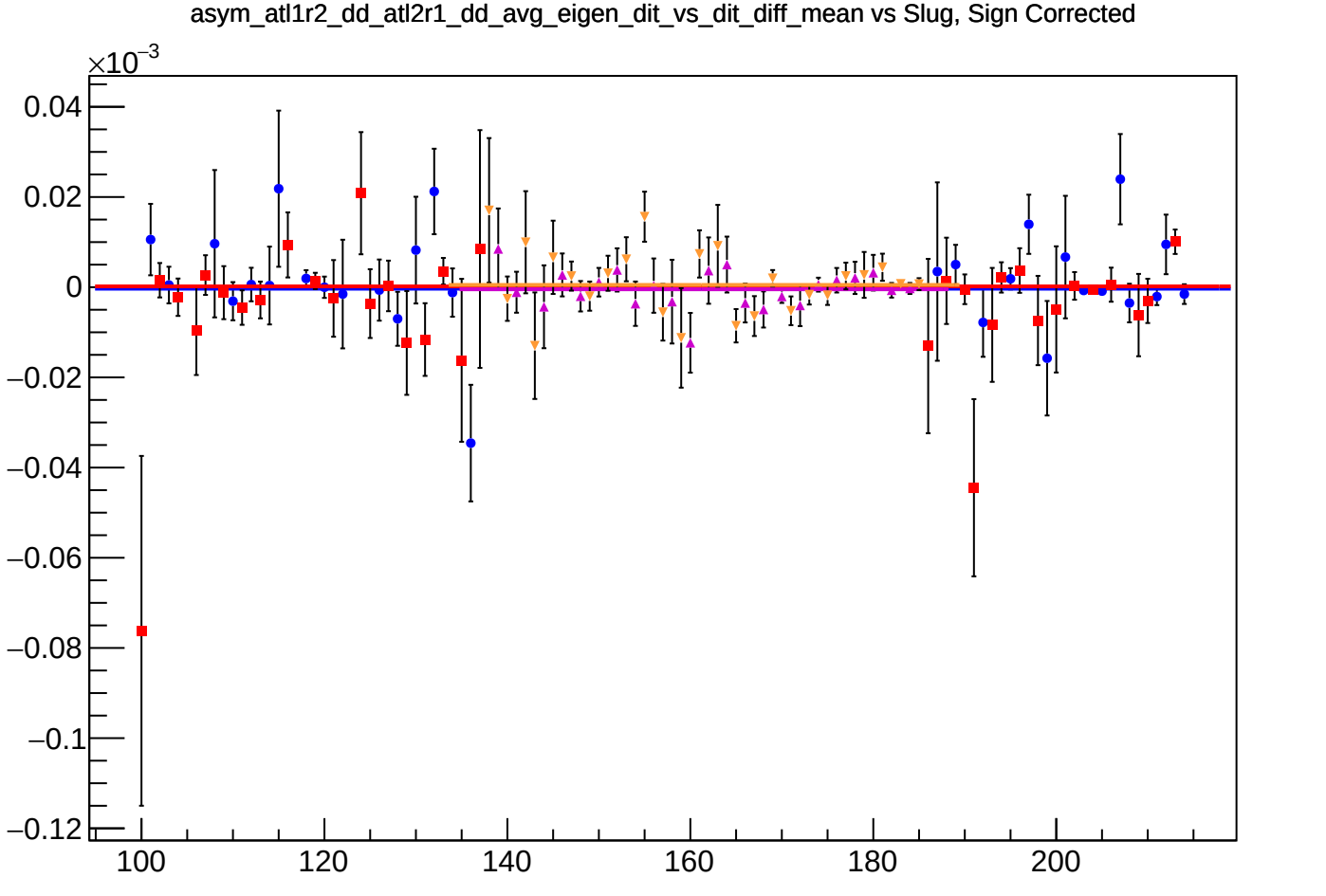
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.504+/-0.006 χ^2/NDF: 9784484.2/63

In: 36.544+/-0.005 χ^2/NDF:13981018.0/52

Out: 36.280+/-0.005 χ^2/NDF:17114204.2/58

All: 36.412+/-0.004 χ^2/NDF: 31096562.2/111



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

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

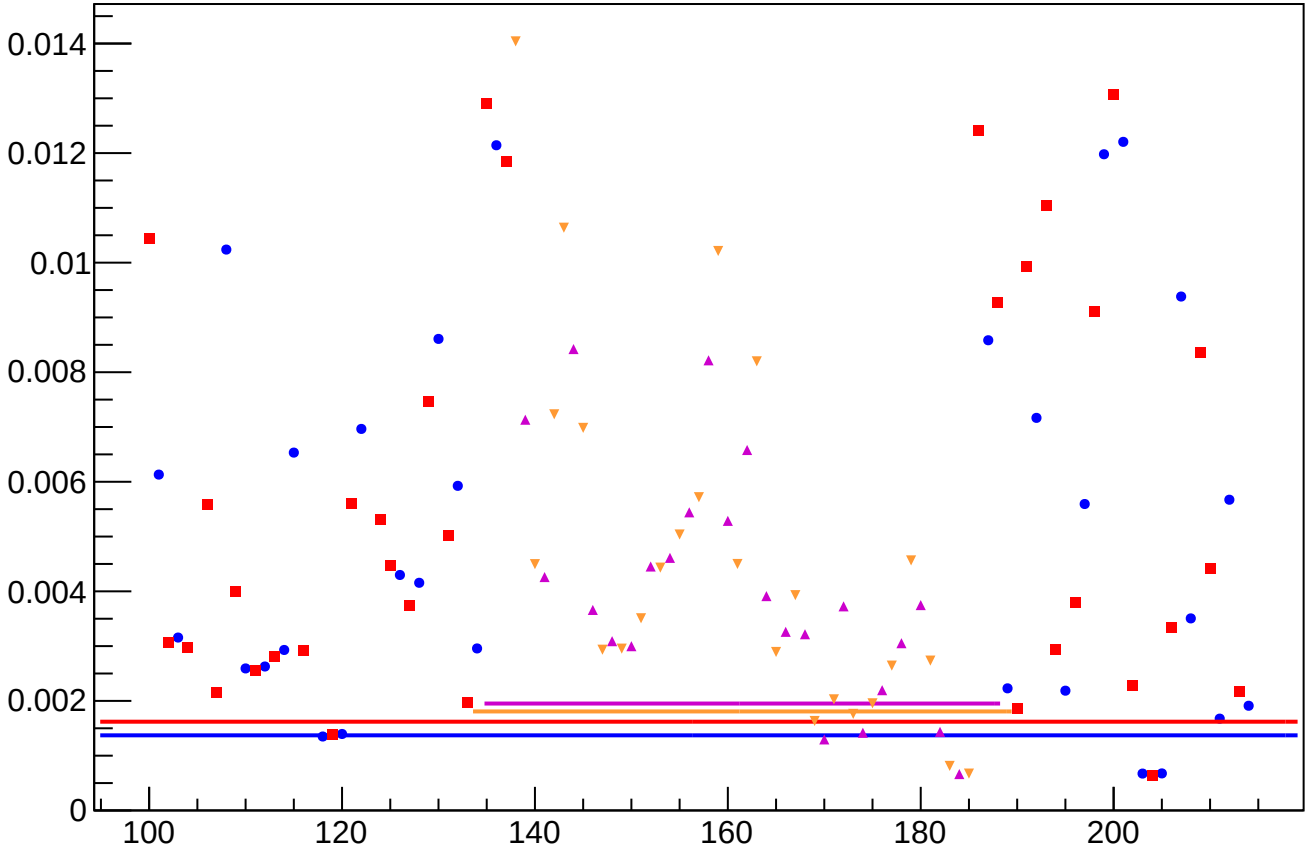
Right: -0.000+/-0.000 χ^2/NDF: 81.5/63

In: -0.000+/-0.000 χ^2/NDF:53.9/52

Out: 0.000+/-0.000 χ^2/NDF:76.8/58

All: -0.000+/-0.000 χ^2/NDF: 132.5/111

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

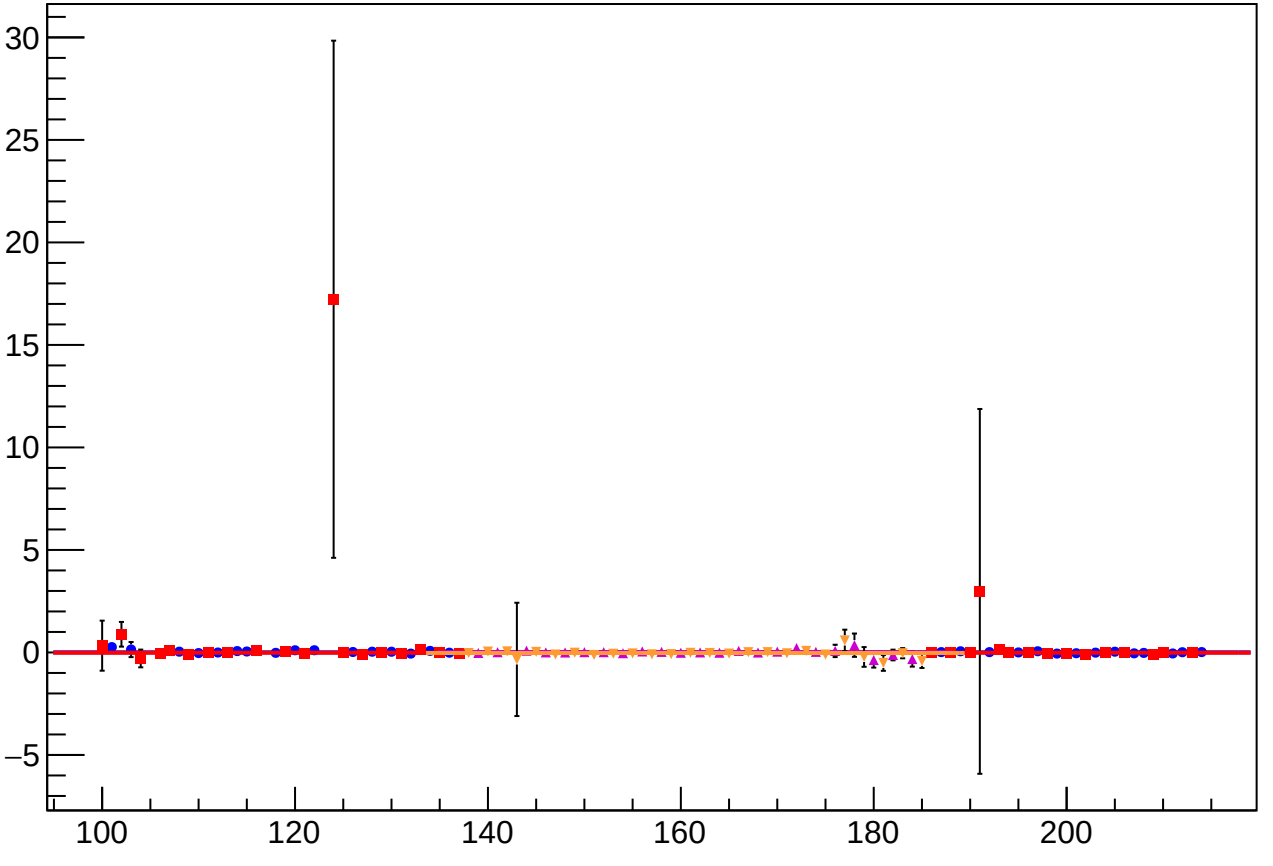
Right: 0.001+/-0.000 χ^2/NDF: 34457240.1/63

In: 0.002+/-0.000 χ^2/NDF:29585698.6/52

Out: 0.002+/-0.000 χ^2/NDF:32341364.6/58

All: 0.002+/-0.000 χ^2/NDF: 62010818.6/111

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

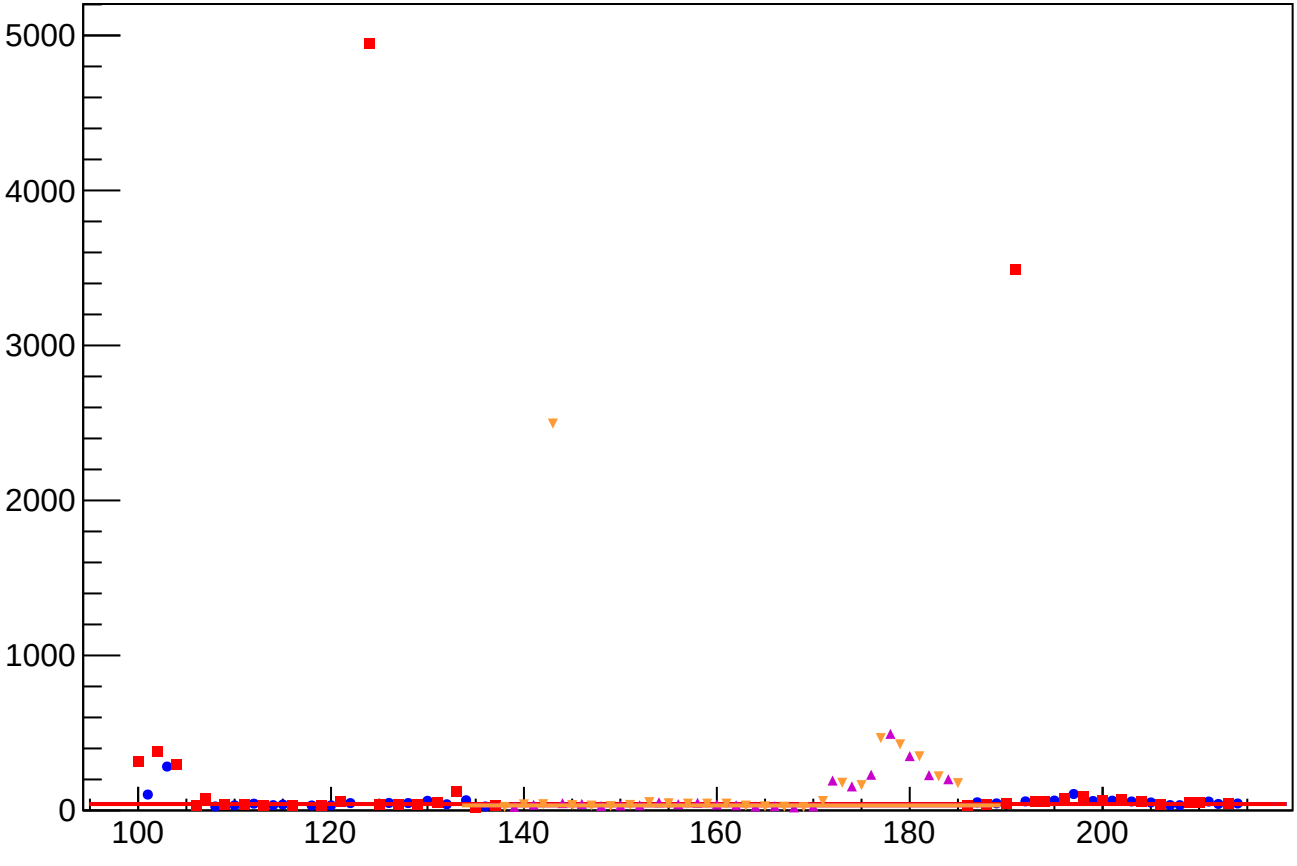
Right: -0.004+/-0.008 χ^2/NDF: 45.1/63

In: 0.008+/-0.007 χ^2/NDF:30.3/52

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.9/111

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

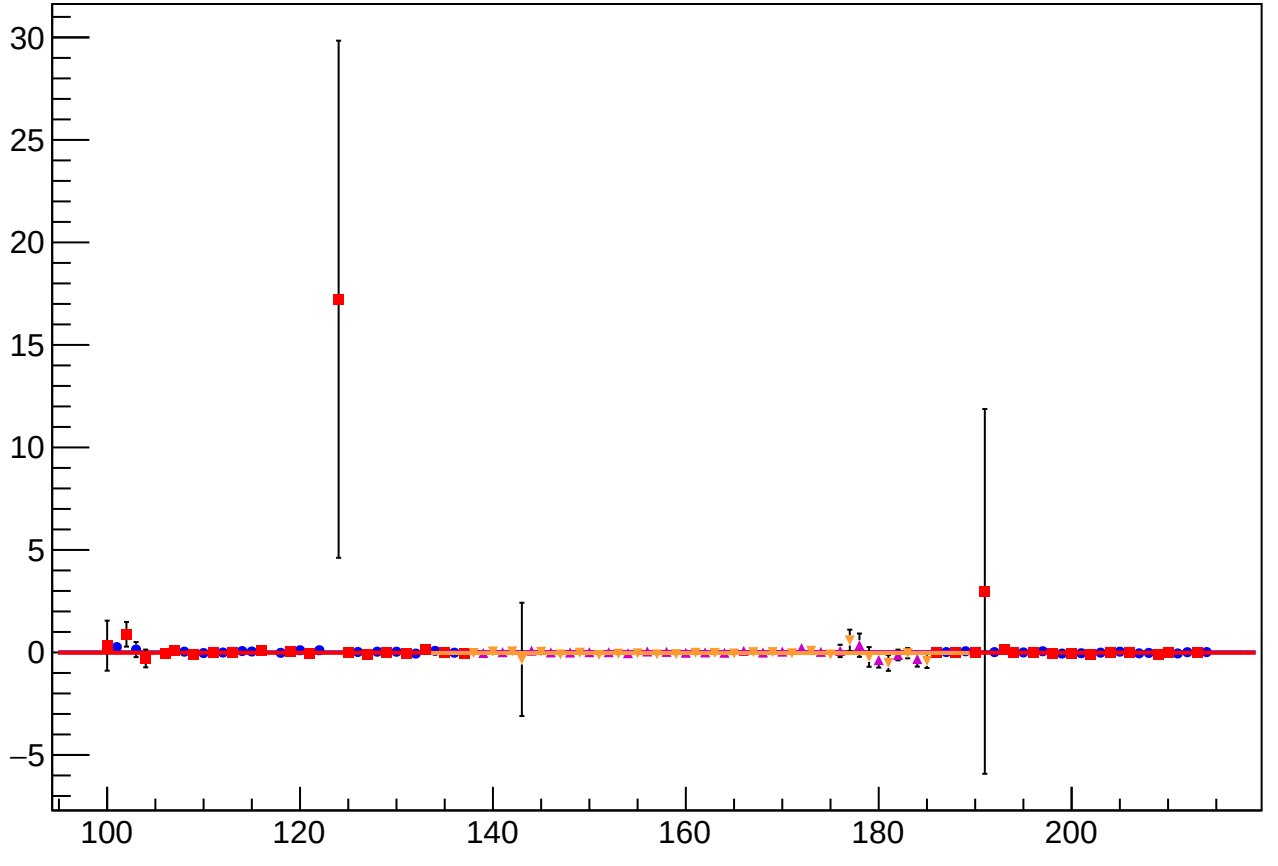
Right: 41.505+/-0.006 χ^2/NDF: 9783928.8/63

In: 36.543+/-0.005 χ^2/NDF:13981561.3/52

Out: 36.280+/-0.005 χ^2/NDF:17114302.3/58

All: 36.411+/-0.004 χ^2/NDF: 31097196.6/111

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

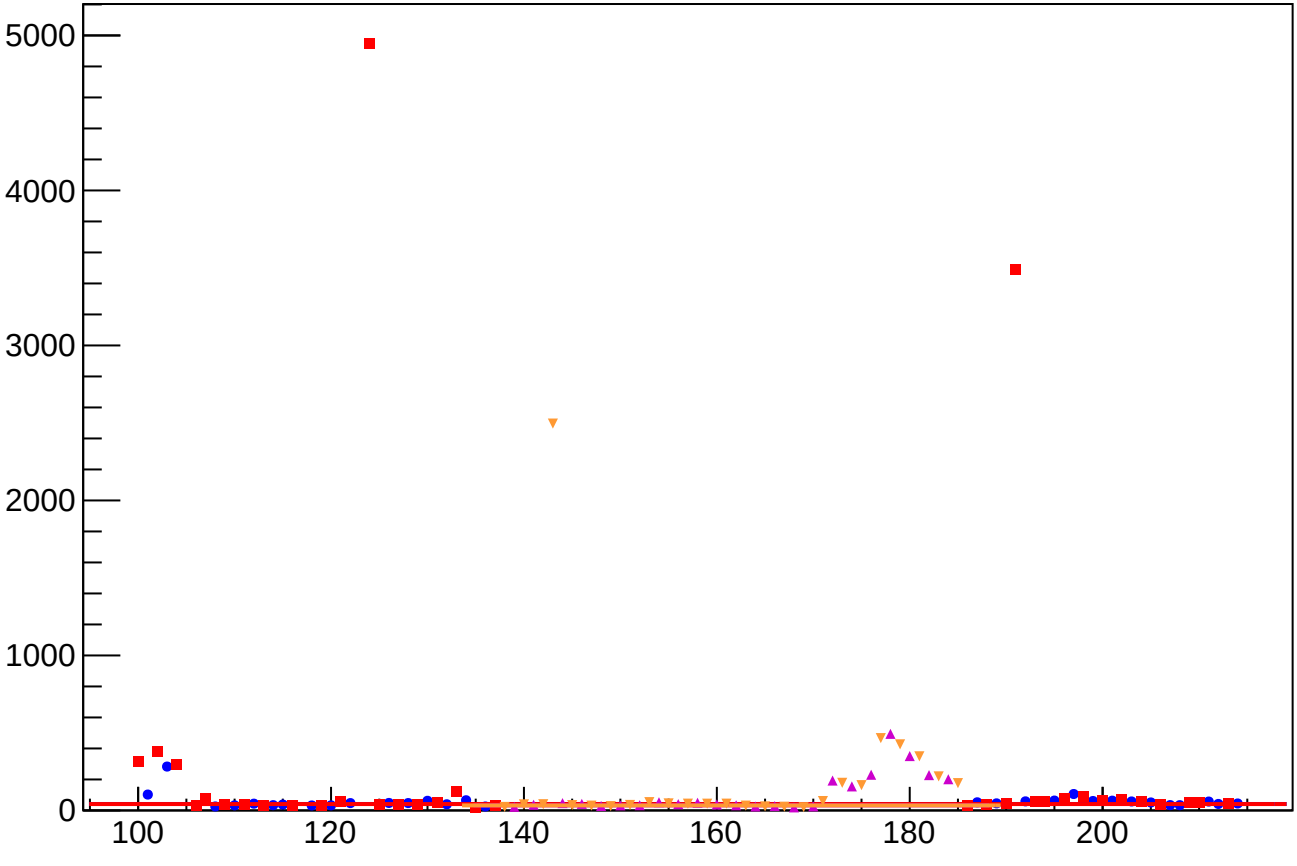
Right: -0.004+/-0.008 χ^2/NDF: 45.1/63

In: 0.008+/-0.007 χ^2/NDF:30.3/52

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.9/111

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

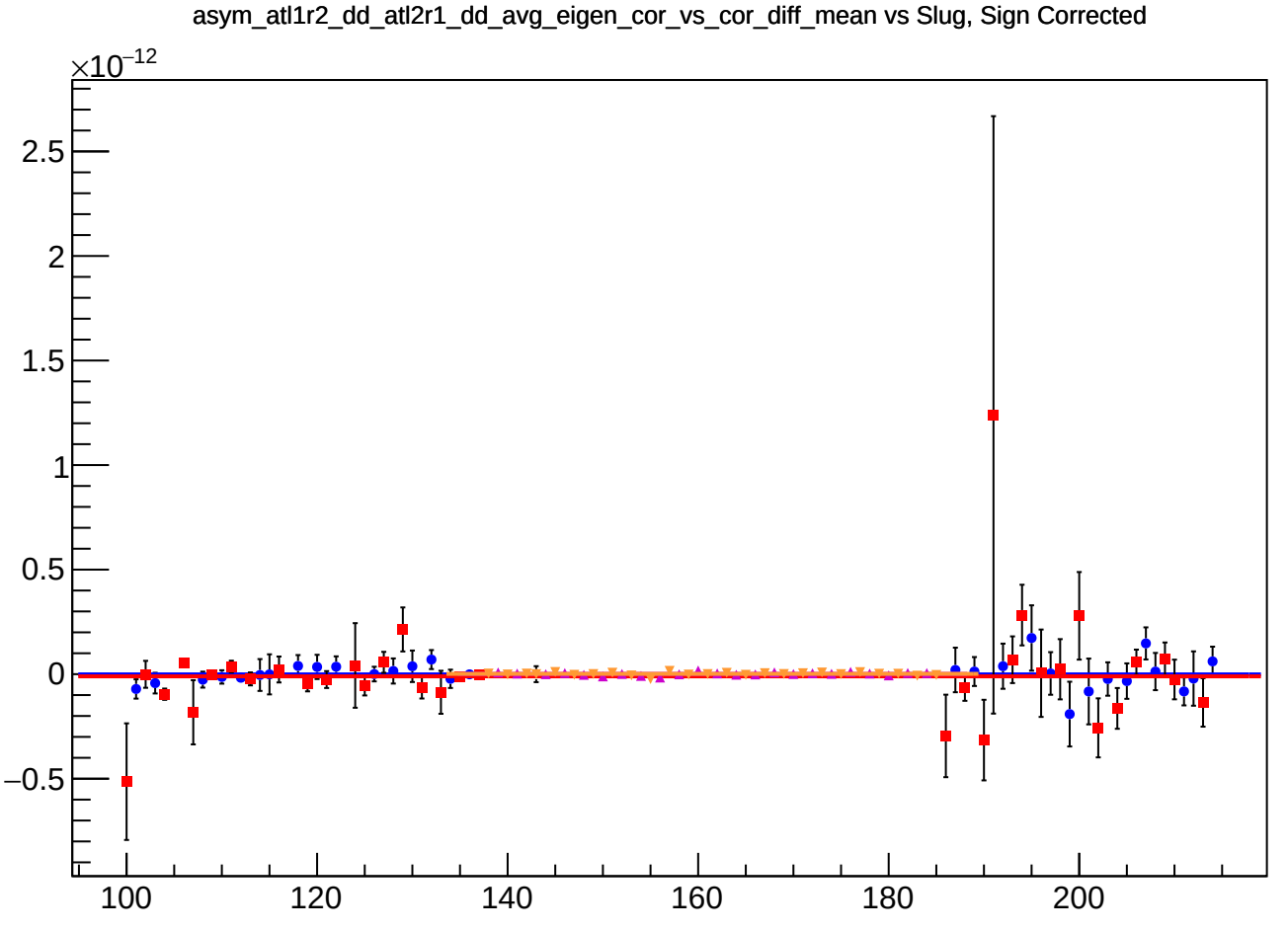
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.505+/-0.006 χ^2/NDF: 9783928.8/63

In: 36.543+/-0.005 χ^2/NDF:13981561.3/52

Out: 36.280+/-0.005 χ^2/NDF:17114302.3/58

All: 36.411+/-0.004 χ^2/NDF: 31097196.6/111



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

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

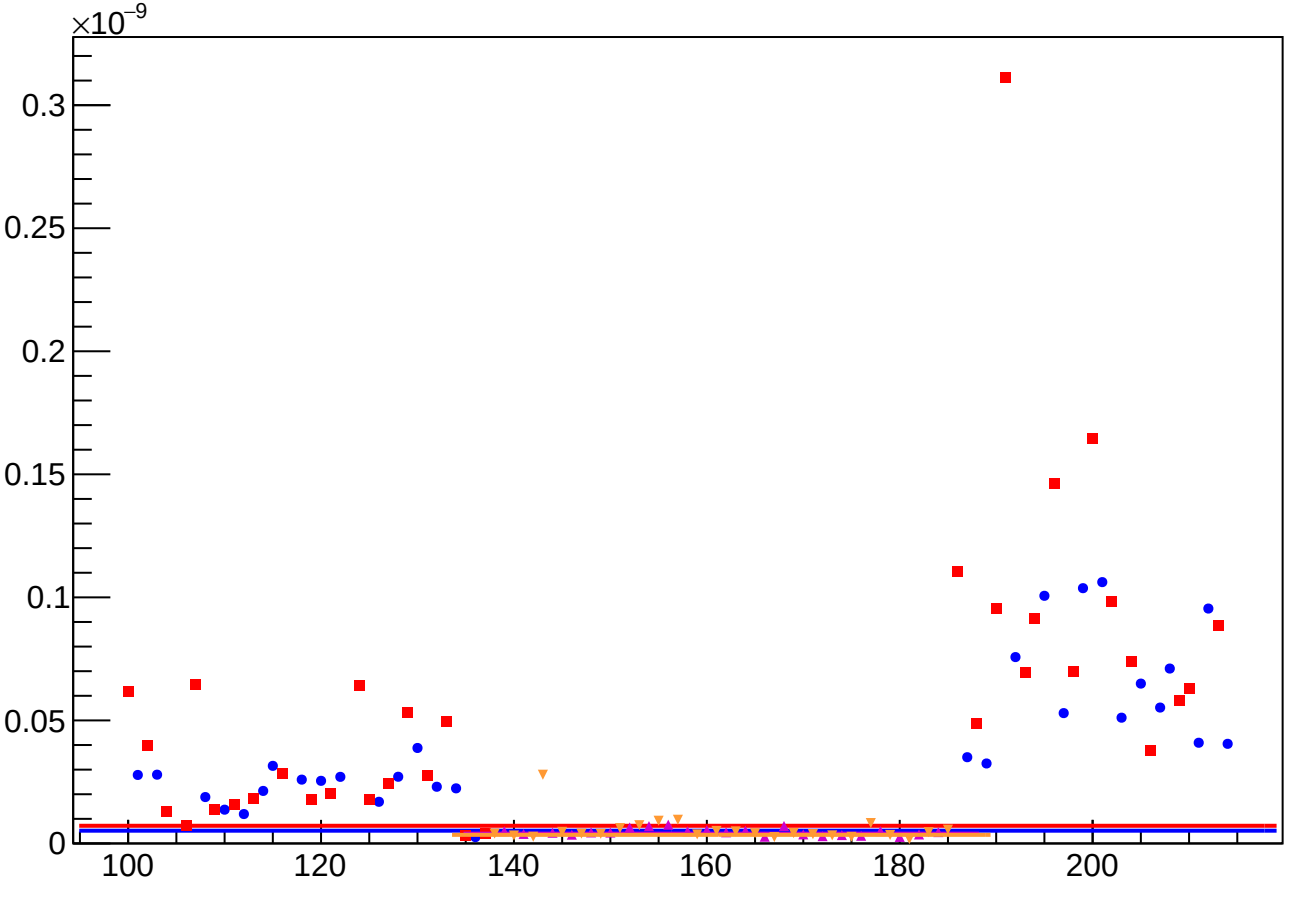
Right: -0.000+/-0.000 χ^2/NDF: 82.6/63

In: 0.000+/-0.000 χ^2/NDF:47.2/52

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 134.6/111

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

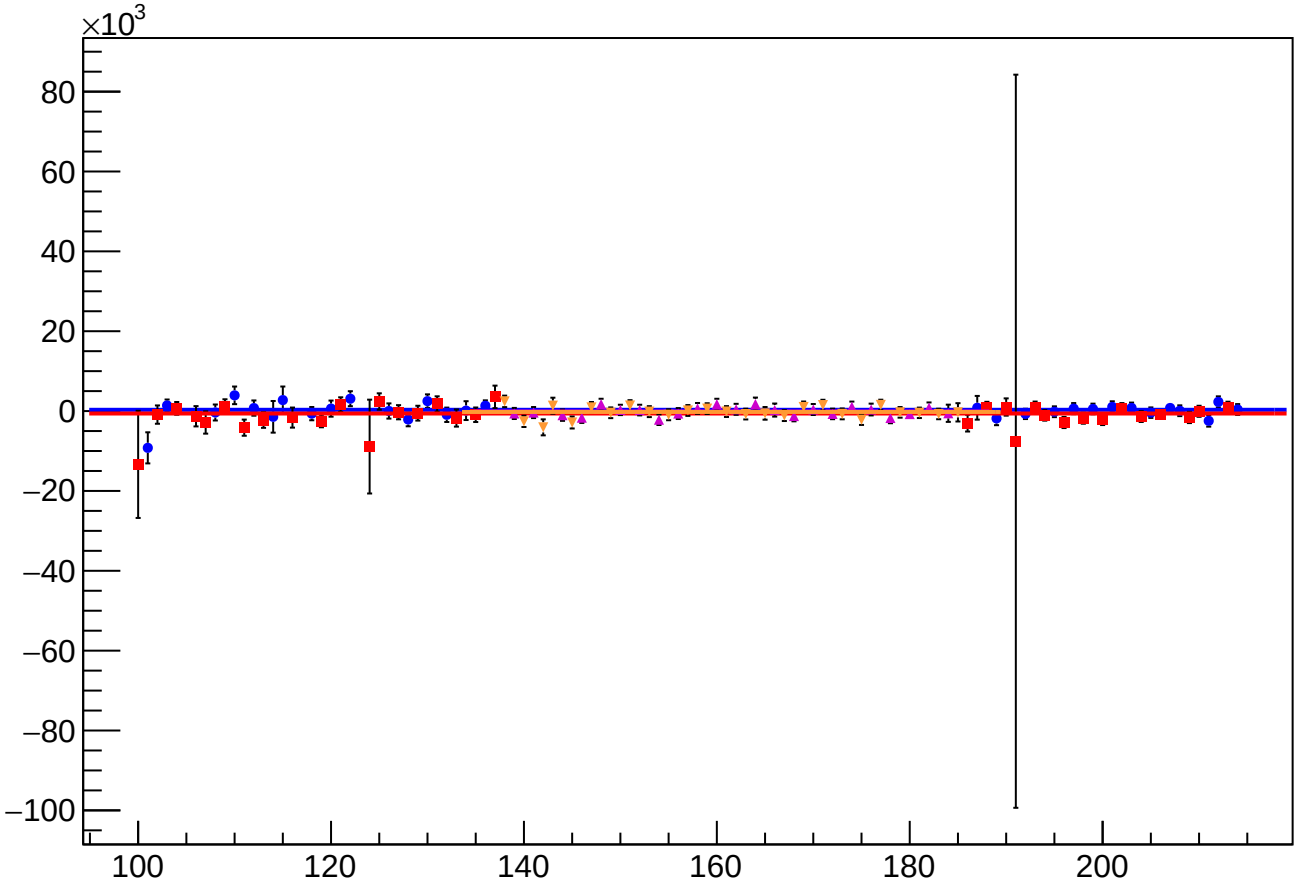
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 30723719.9/63

In: 0.000+/-0.000 χ^2/NDF:17333447.5/52

Out: 0.000+/-0.000 χ^2/NDF:21599697.2/58

All: 0.000+/-0.000 χ^2/NDF: 39061595.2/111



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

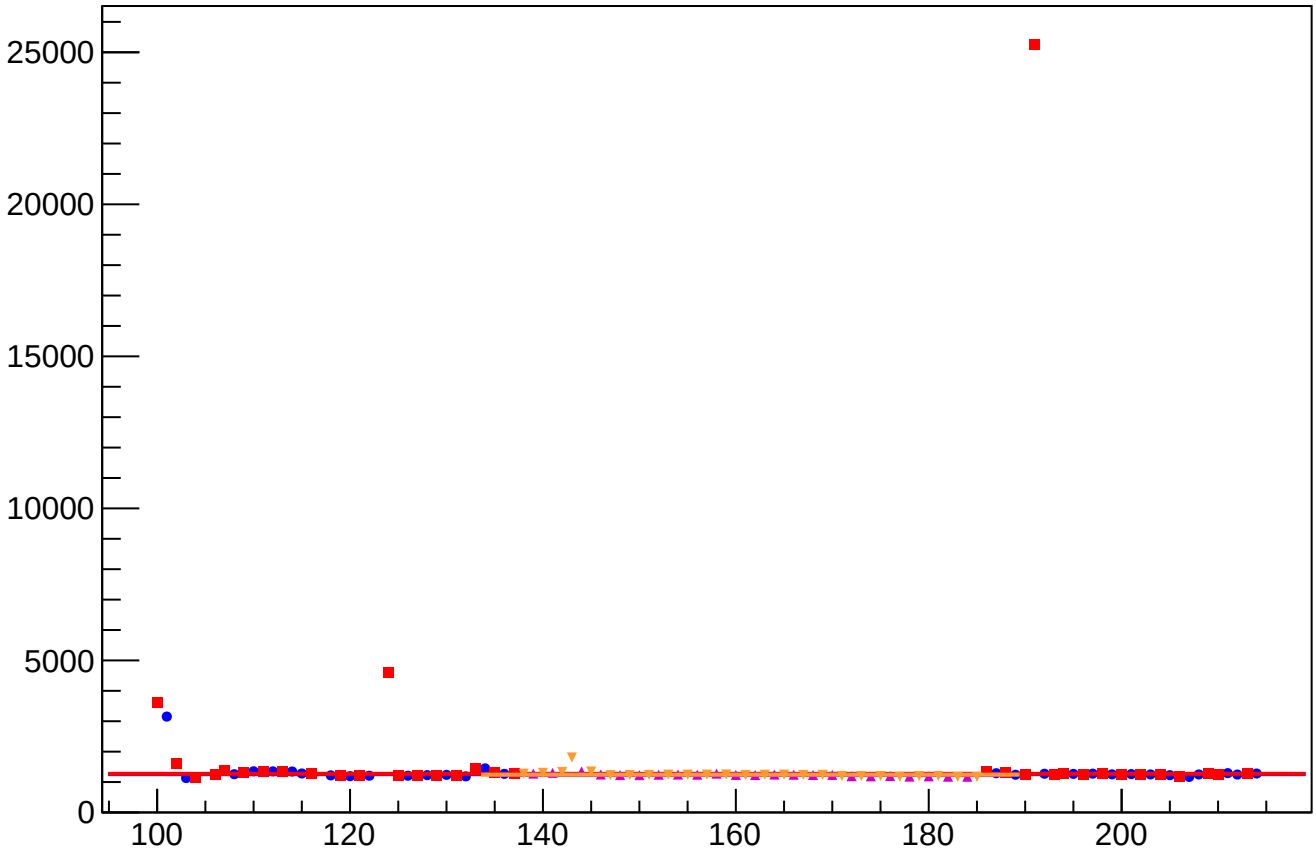
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -145.643+/-209.537 χ^2/NDF: 60.8/63

In: 108.318+/-206.698 χ^2/NDF:42.1/52

Out: -406.860+/-204.596 χ^2/NDF:54.3/58

All: -151.905+/-145.409 χ^2/NDF: 99.5/111



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

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

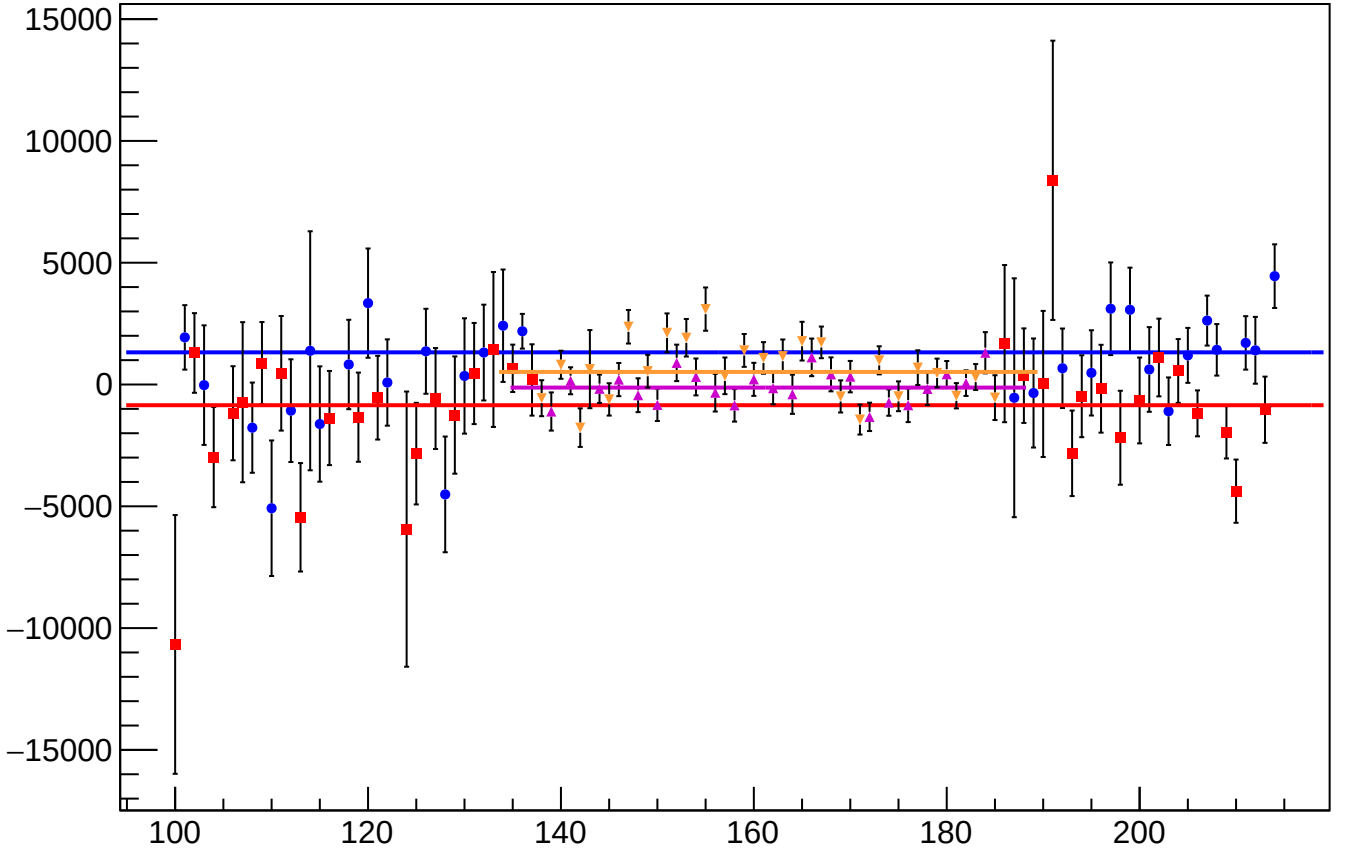
Right: 1265.204+/-0.148 χ^2/NDF: 1023554.2/63

In: 1246.510+/-0.146 χ^2/NDF:583002.0/52

Out: 1255.978+/-0.145 χ^2/NDF:699026.2/58

All: 1251.293+/-0.103 χ^2/NDF: 1284147.5/11

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected



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

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

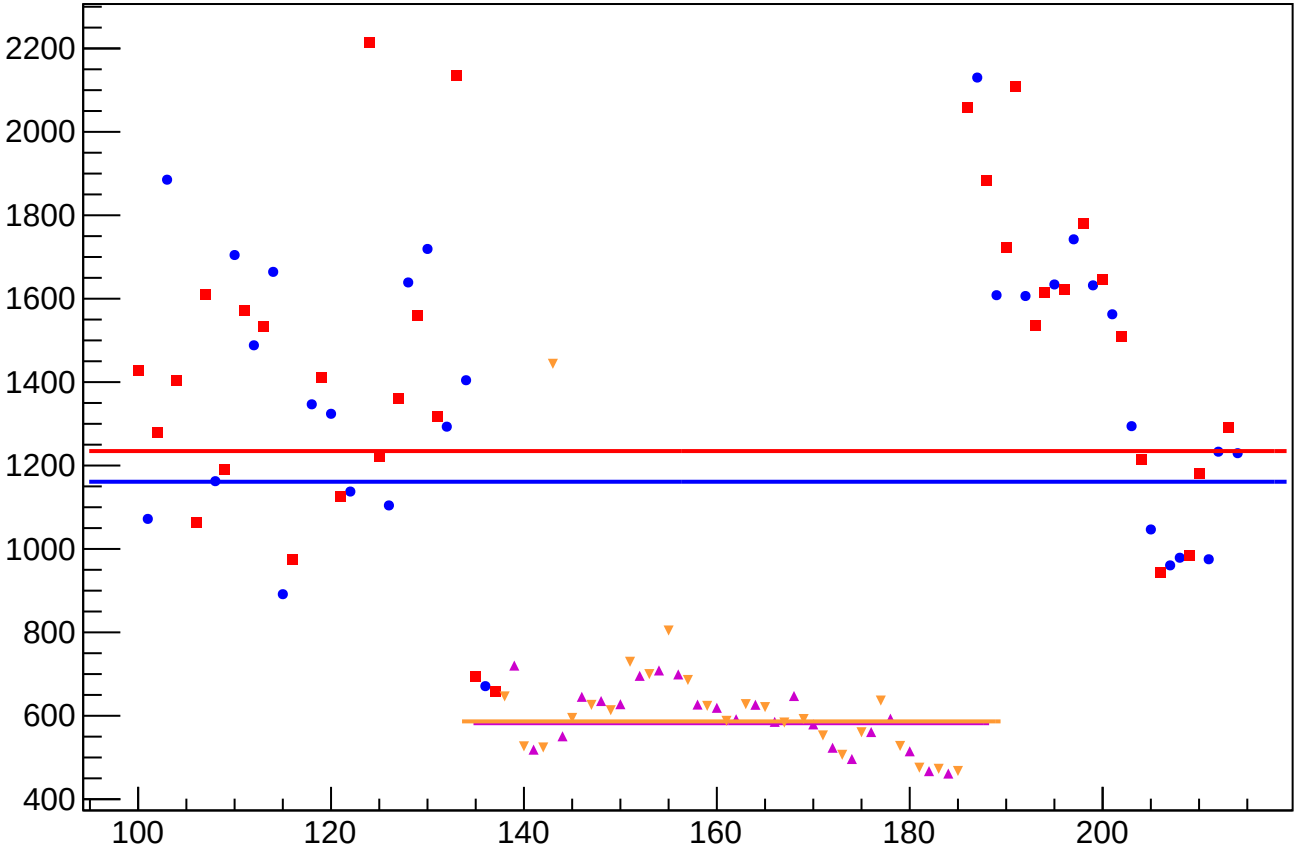
Right: 287.571+/-204.779 χ^2/NDF: 97.0/63

In: 149.238+/-123.493 χ^2/NDF:77.1/52

Out: 280.415+/-123.451 χ^2/NDF:119.1/58

All: 214.849+/-87.308 χ^2/NDF: 196.8/111

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



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

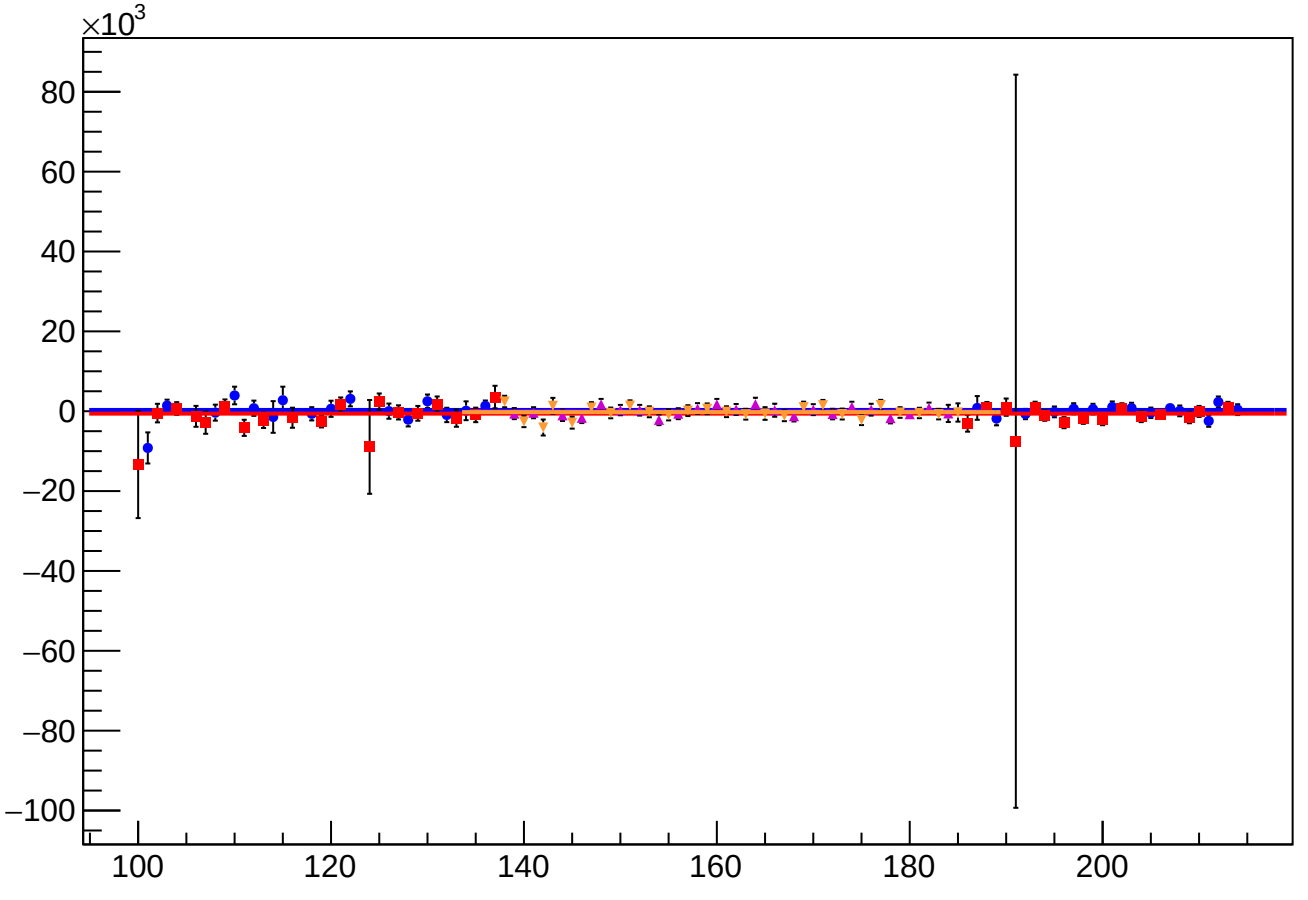
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1196.126+/-0.145 χ^2/NDF: 5496765.5/63

In: 692.539+/-0.087 χ^2/NDF:10035055.0/52

Out: 698.649+/-0.087 χ^2/NDF:11825621.9/58

All: 695.595+/-0.062 χ^2/NDF: 21863125.3/11



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

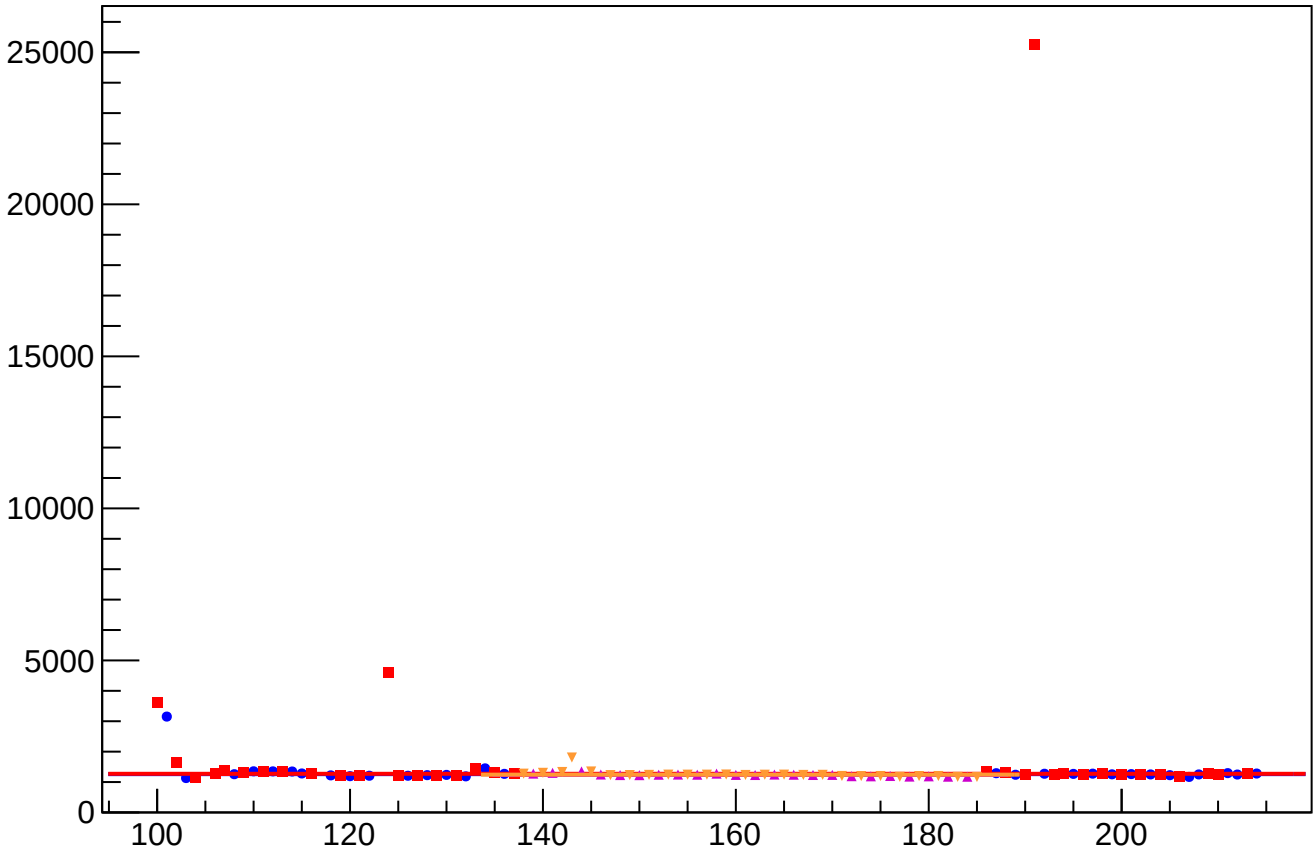
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -141.405+/-209.605 χ^2/NDF: 60.7/63

In: 108.377+/-206.698 χ^2/NDF:42.0/52

Out: -403.092+/-204.659 χ^2/NDF:54.3/58

All: -149.893+/-145.431 χ^2/NDF: 99.4/111



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

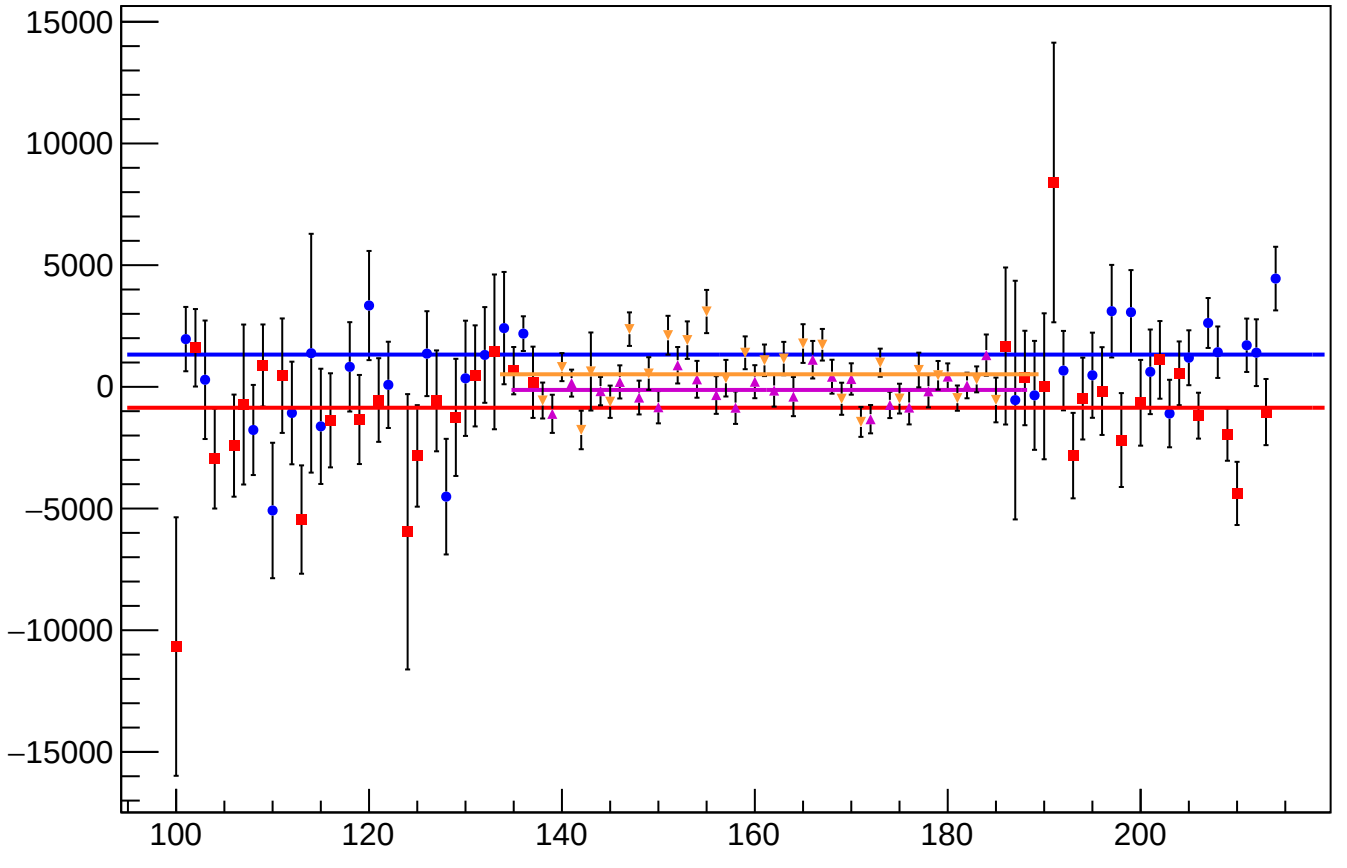
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.627+/-0.148 χ^2/NDF: 1030918.6/63

In: 1246.510+/-0.146 χ^2/NDF:583003.3/52

Out: 1256.375+/-0.145 χ^2/NDF:706742.7/58

All: 1251.492+/-0.103 χ^2/NDF: 1292046.4/11



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

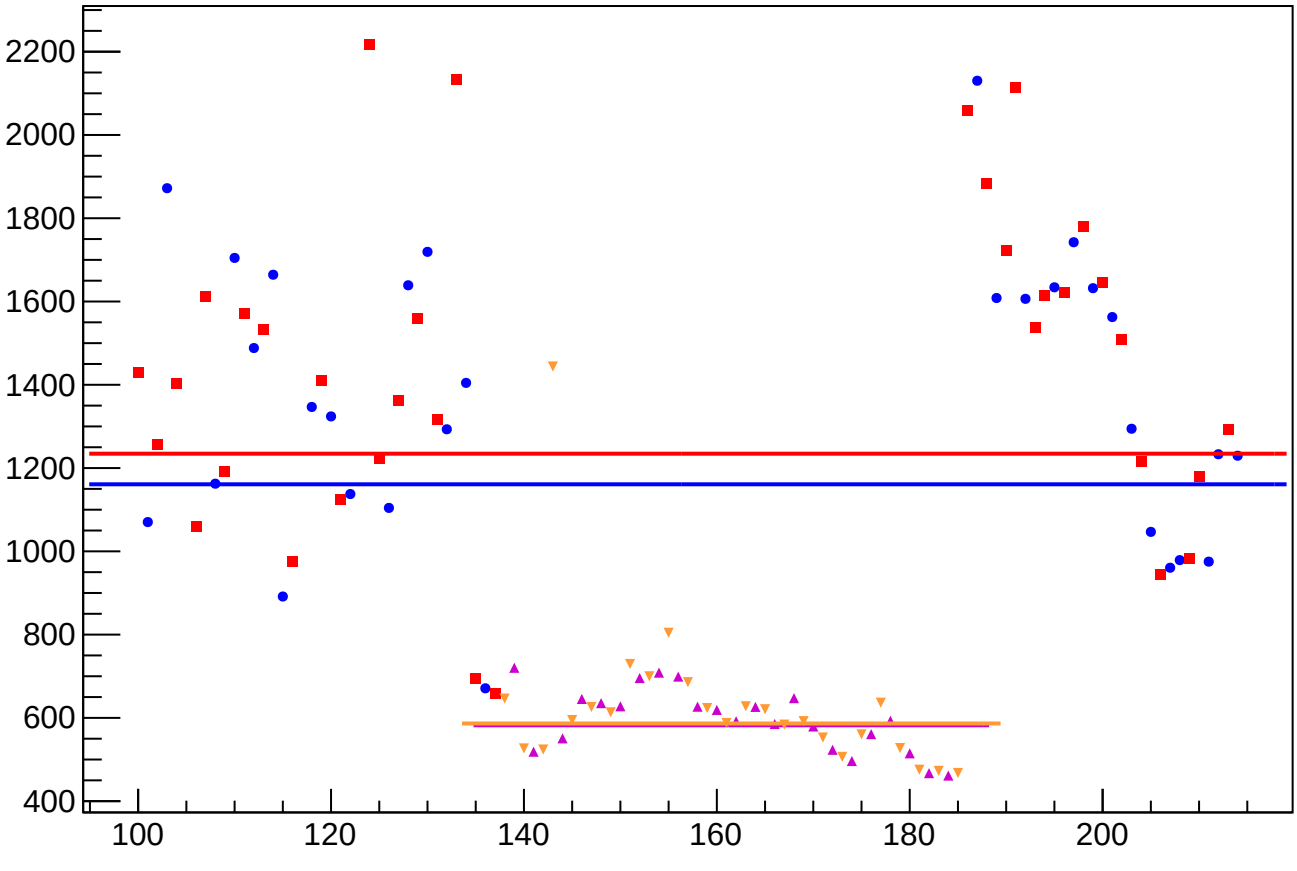
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 287.528+/-204.846 χ^2/NDF: 98.4/63

In: 150.357+/-123.489 χ^2/NDF:77.2/52

Out: 279.316+/-123.470 χ^2/NDF:120.5/58

All: 214.846+/-87.313 χ^2/NDF: 198.2/111



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

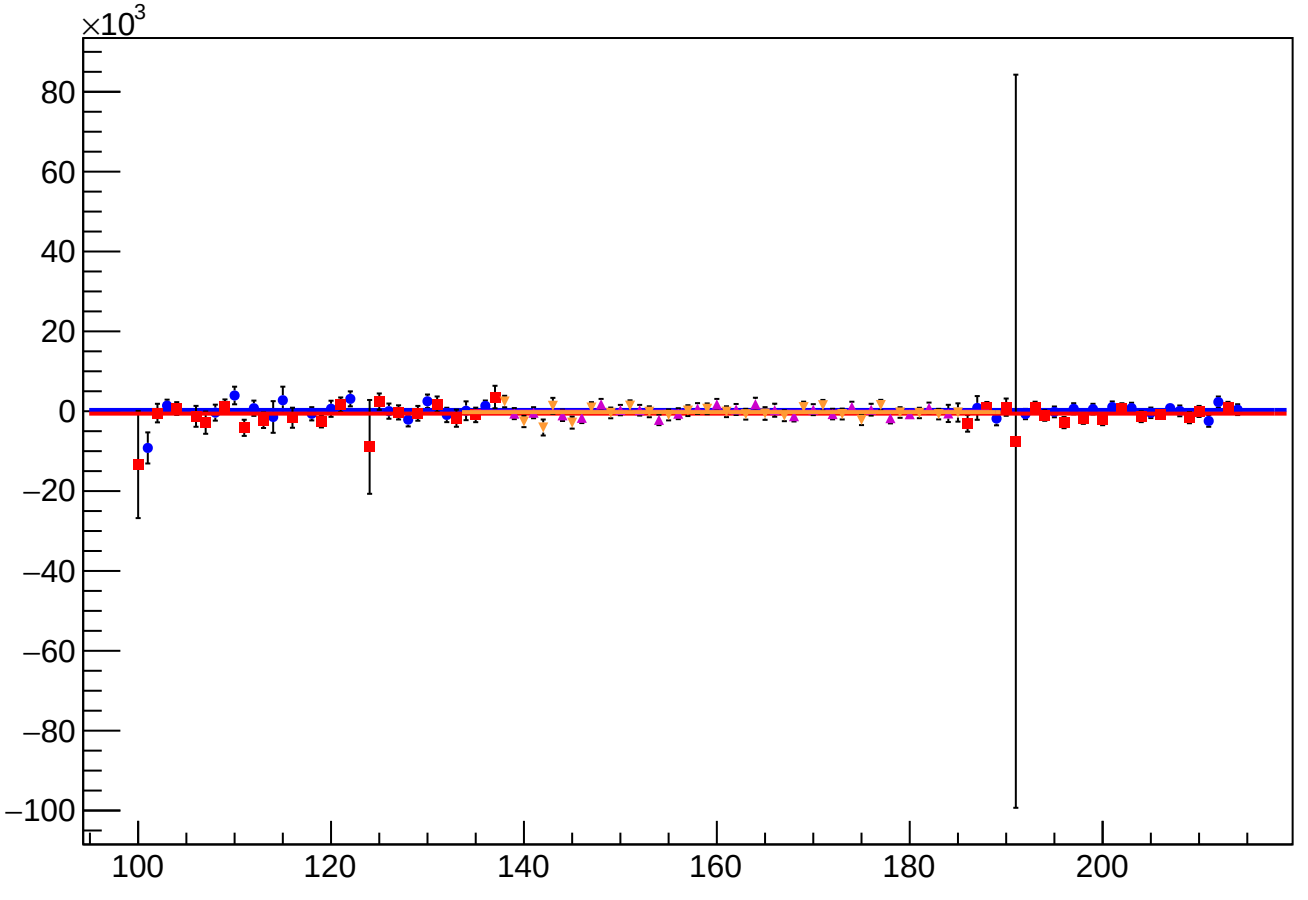
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1195.955+/-0.145 χ^2/NDF: 5490911.5/63

In: 692.548+/-0.087 χ^2/NDF:10031340.4/52

Out: 698.463+/-0.087 χ^2/NDF:11807506.6/58

All: 695.506+/-0.062 χ^2/NDF: 21841141.7/11



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

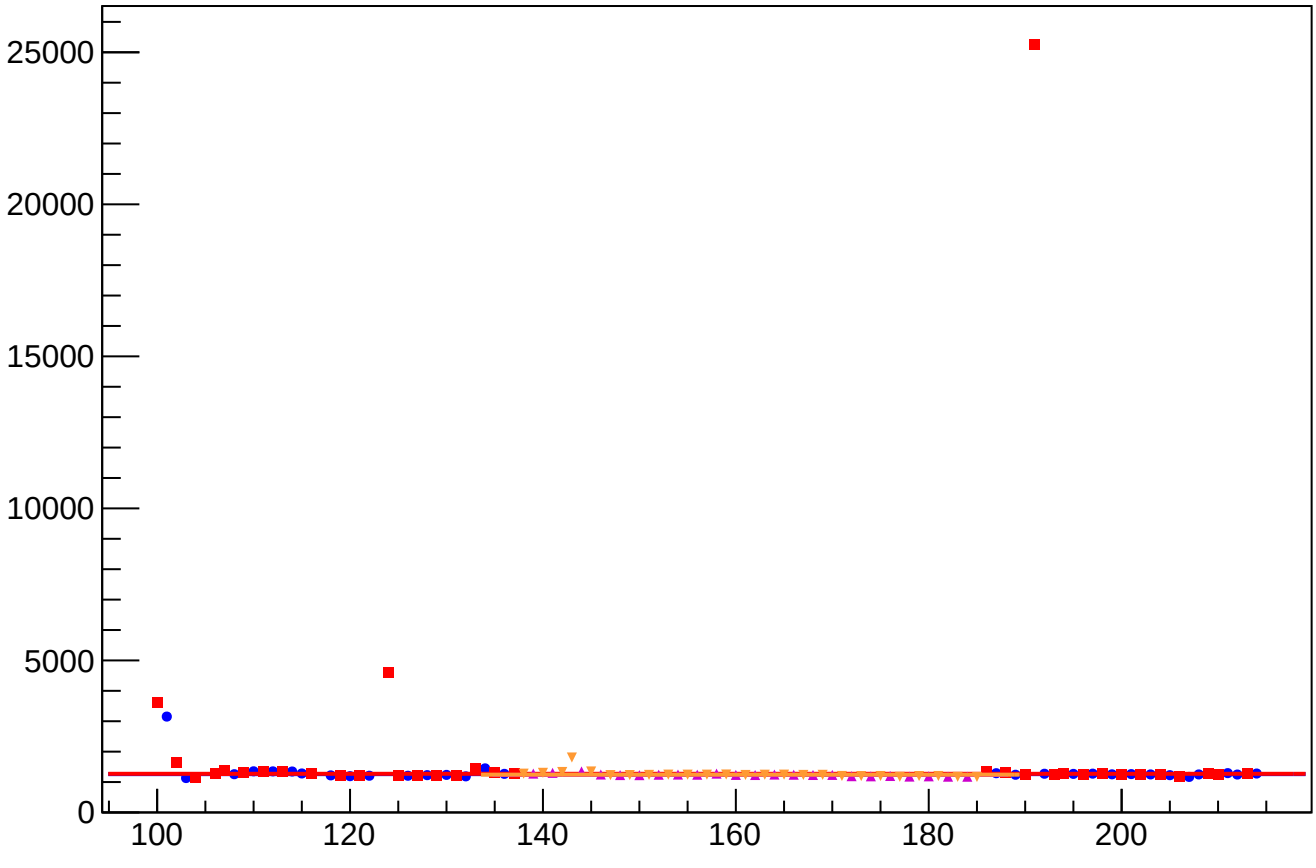
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -141.405+/-209.605 χ^2/NDF: 60.7/63

In: 108.377+/-206.698 χ^2/NDF:42.0/52

Out: -403.092+/-204.659 χ^2/NDF:54.3/58

All: -149.893+/-145.431 χ^2/NDF: 99.4/111



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

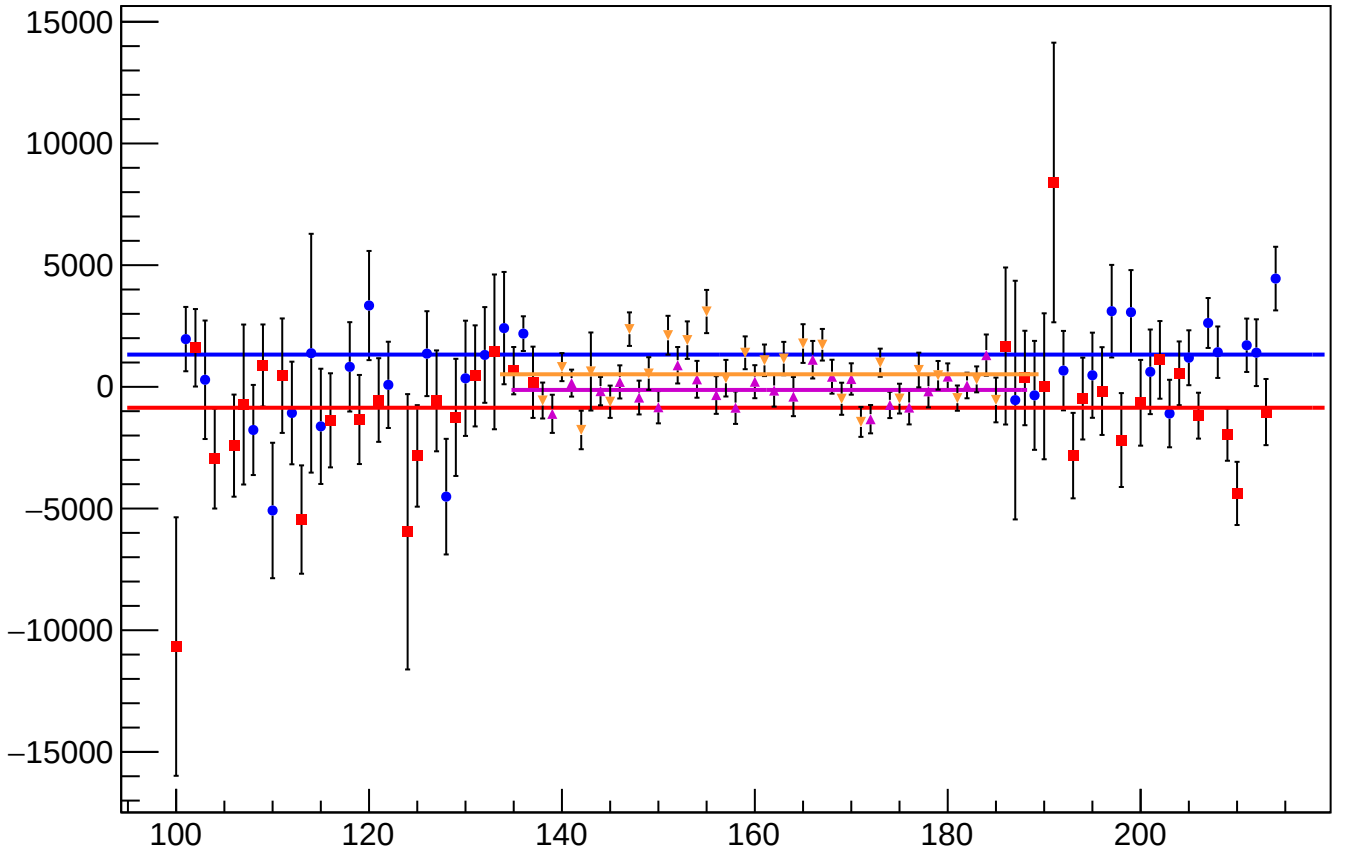
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

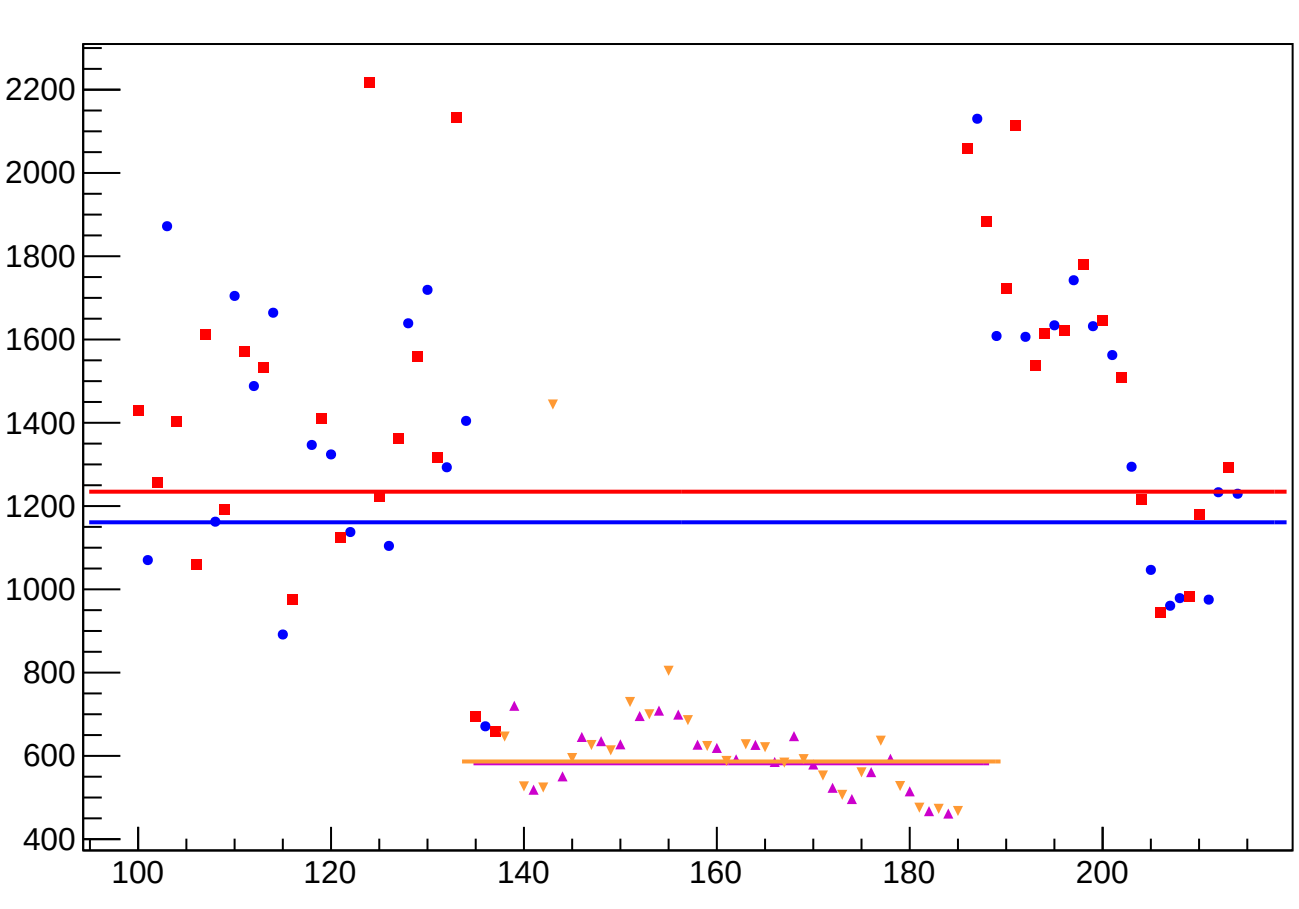
Right: 1265.627+/-0.148 χ^2/NDF: 1030918.6/63

In: 1246.510+/-0.146 χ^2/NDF:583003.3/52

Out: 1256.375+/-0.145 χ^2/NDF:706742.7/58

All: 1251.492+/-0.103 χ^2/NDF: 1292046.4/11


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1325.795+/-282.811 χ²/NDF: 34.3/29
Left Out: 516.811+/-135.747 χ²/NDF:67.0/24
Right Out: -858.389+/-297.110 χ²/NDF: 35.7/33
Left In: -126.549+/-137.266 χ²/NDF:21.6/22
Left: 198.710+/-96.520 χ²/NDF: 99.7/47
Right: 287.528+/-204.846 χ²/NDF: 98.4/63
In: 150.357+/-123.489 χ²/NDF:77.2/52
Out: 279.316+/-123.470 χ²/NDF:120.5/58
All: 214.846+/-87.313 χ²/NDF: 198.2/111



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

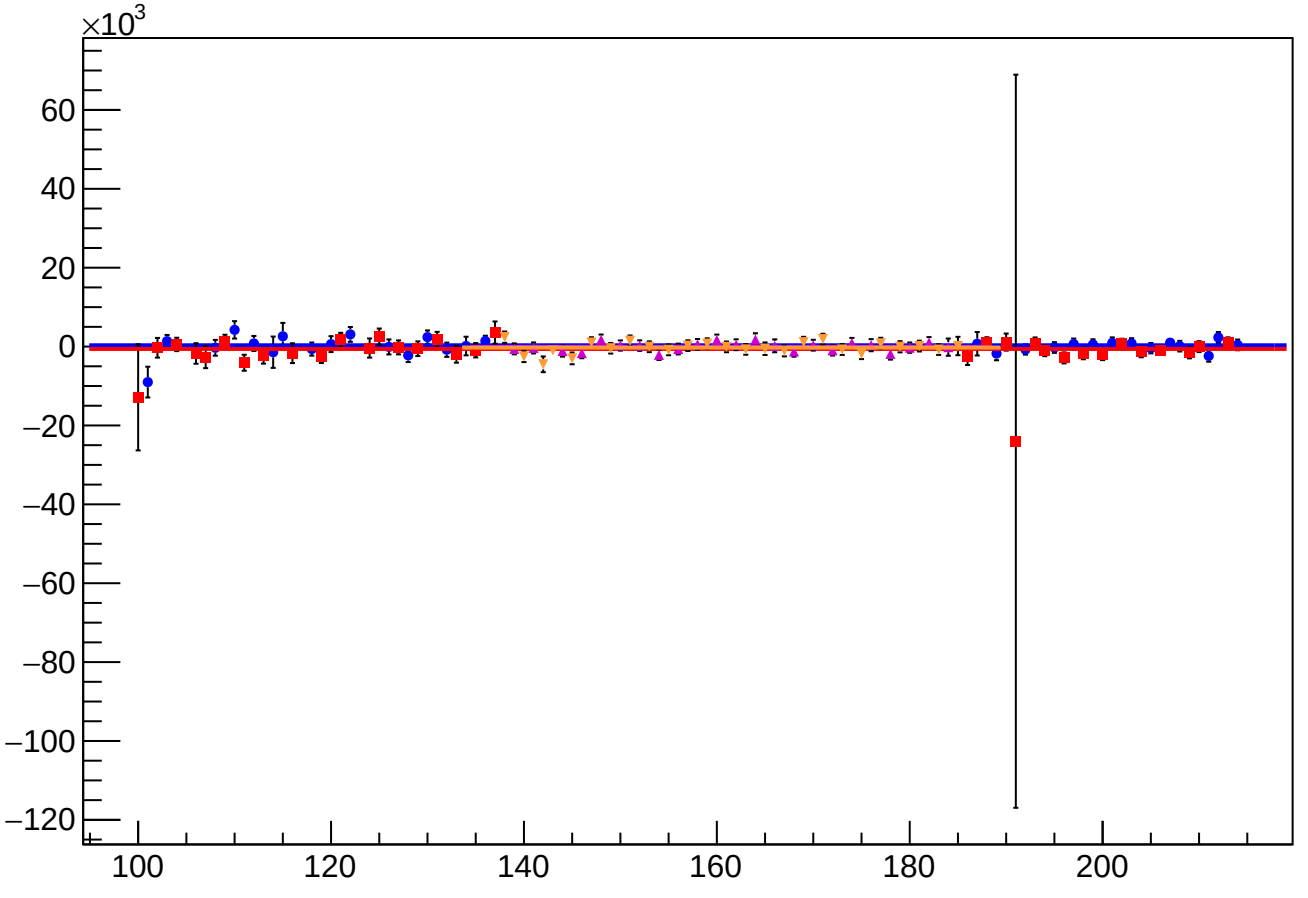
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1195.955+/-0.145 χ^2/NDF: 5490911.5/63

In: 692.548+/-0.087 χ^2/NDF:10031340.4/52

Out: 698.463+/-0.087 χ^2/NDF:11807506.6/58

All: 695.506+/-0.062 χ^2/NDF: 21841141.7/1



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

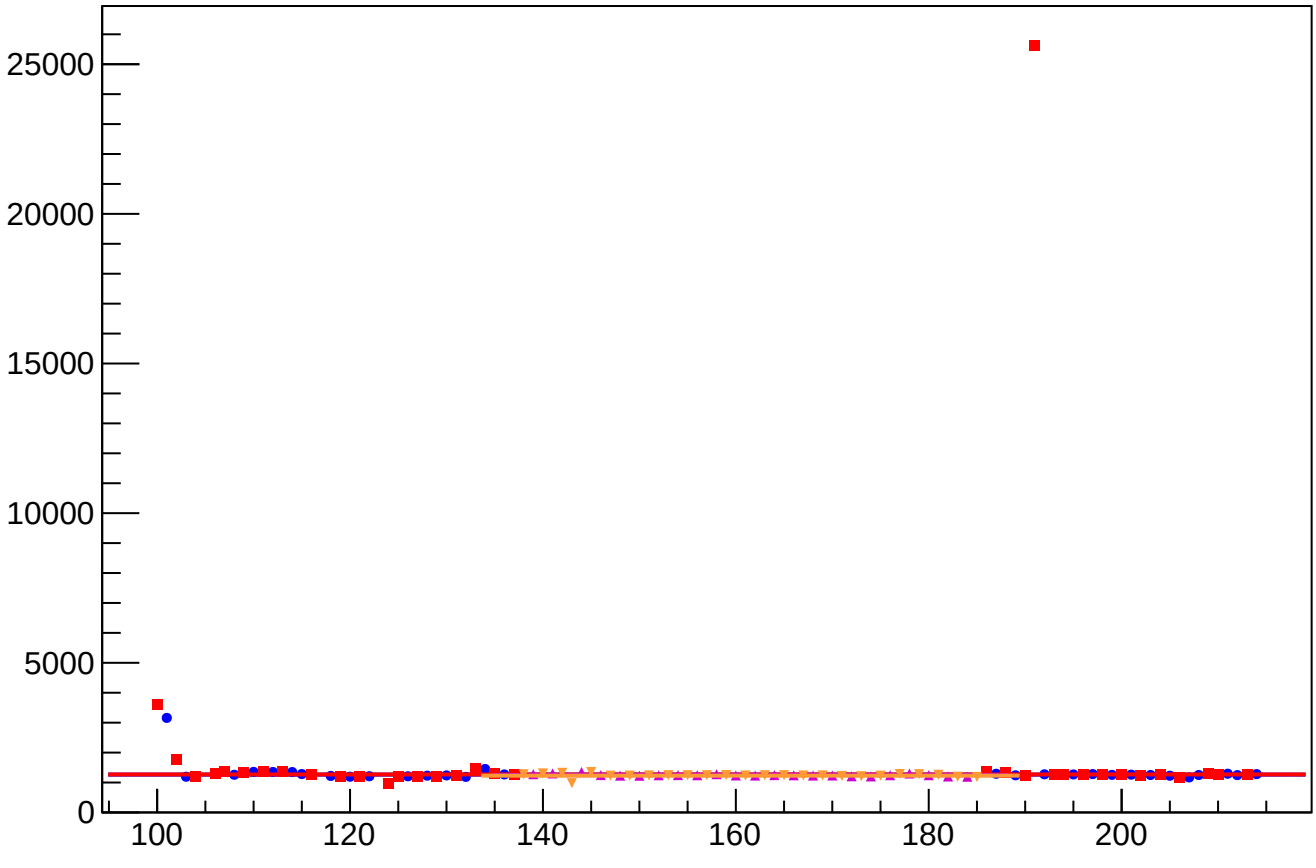
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -139.133+/-209.684 χ^2/NDF: 60.2/63

In: 122.559+/-208.199 χ^2/NDF:41.3/52

Out: -416.166+/-203.243 χ^2/NDF:53.8/58

All: -153.291+/-145.435 χ^2/NDF: 98.4/111



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

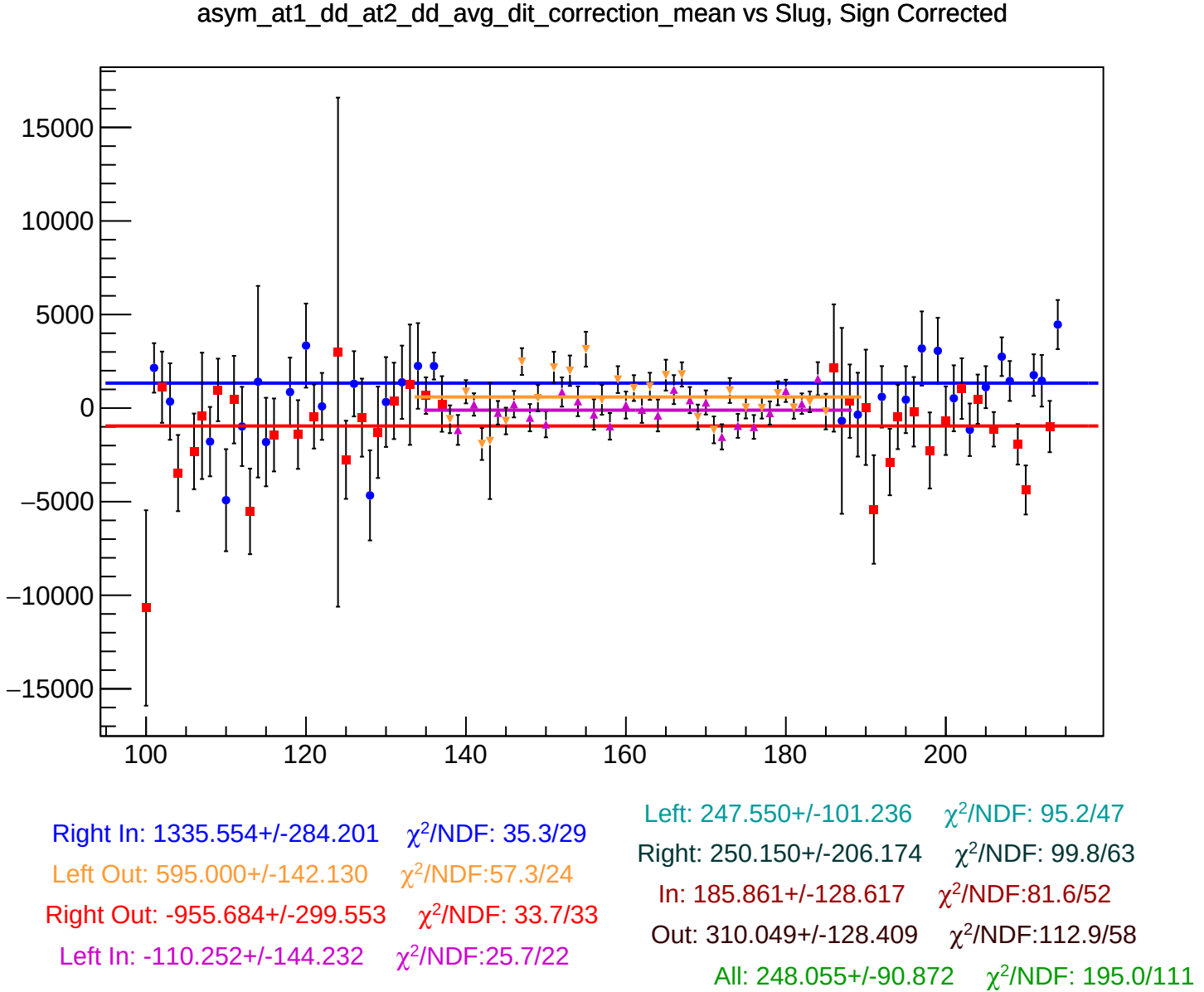
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

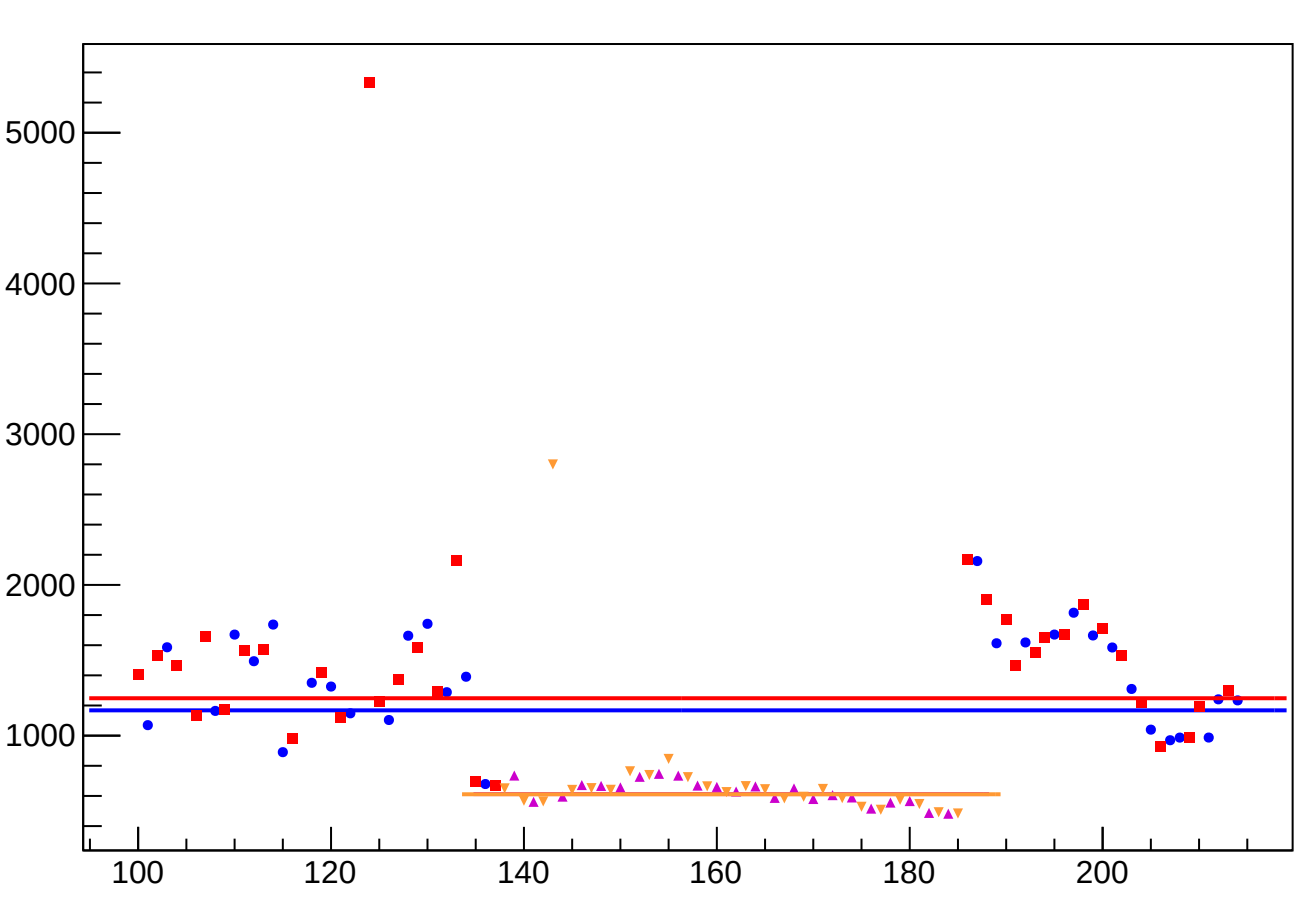
Right: 1266.972+/-0.148 χ^2/NDF: 910914.7/63

In: 1255.766+/-0.147 χ^2/NDF:555841.1/52

Out: 1248.822+/-0.144 χ^2/NDF:545862.1/58

All: 1252.211+/-0.103 χ^2/NDF: 1102842.5/11


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1335.554+/-284.201 χ²/NDF: 35.3/29
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -955.684+/-299.553 χ²/NDF: 33.7/33
Left In: -110.252+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 250.150+/-206.174 χ²/NDF: 99.8/63
In: 185.861+/-128.617 χ²/NDF:81.6/52
Out: 310.049+/-128.409 χ²/NDF:112.9/58
All: 248.055+/-90.872 χ²/NDF: 195.0/111



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

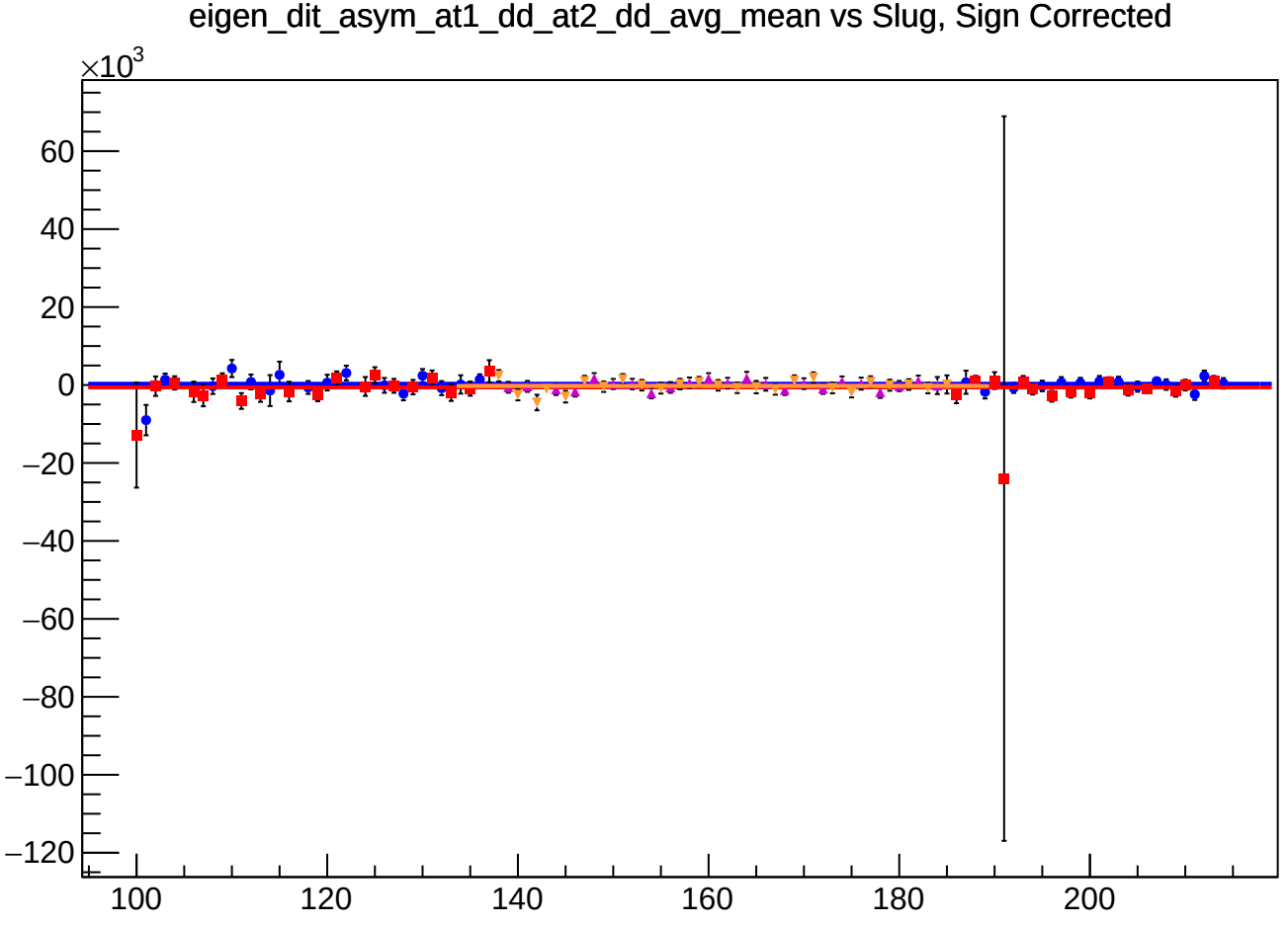
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1205.897+/-0.146 χ^2/NDF: 5736763.6/63

In: 726.162+/-0.091 χ^2/NDF:9214016.7/52

Out: 728.153+/-0.091 χ^2/NDF:12033909.7/58

All: 727.159+/-0.064 χ^2/NDF: 21248166.5/1



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

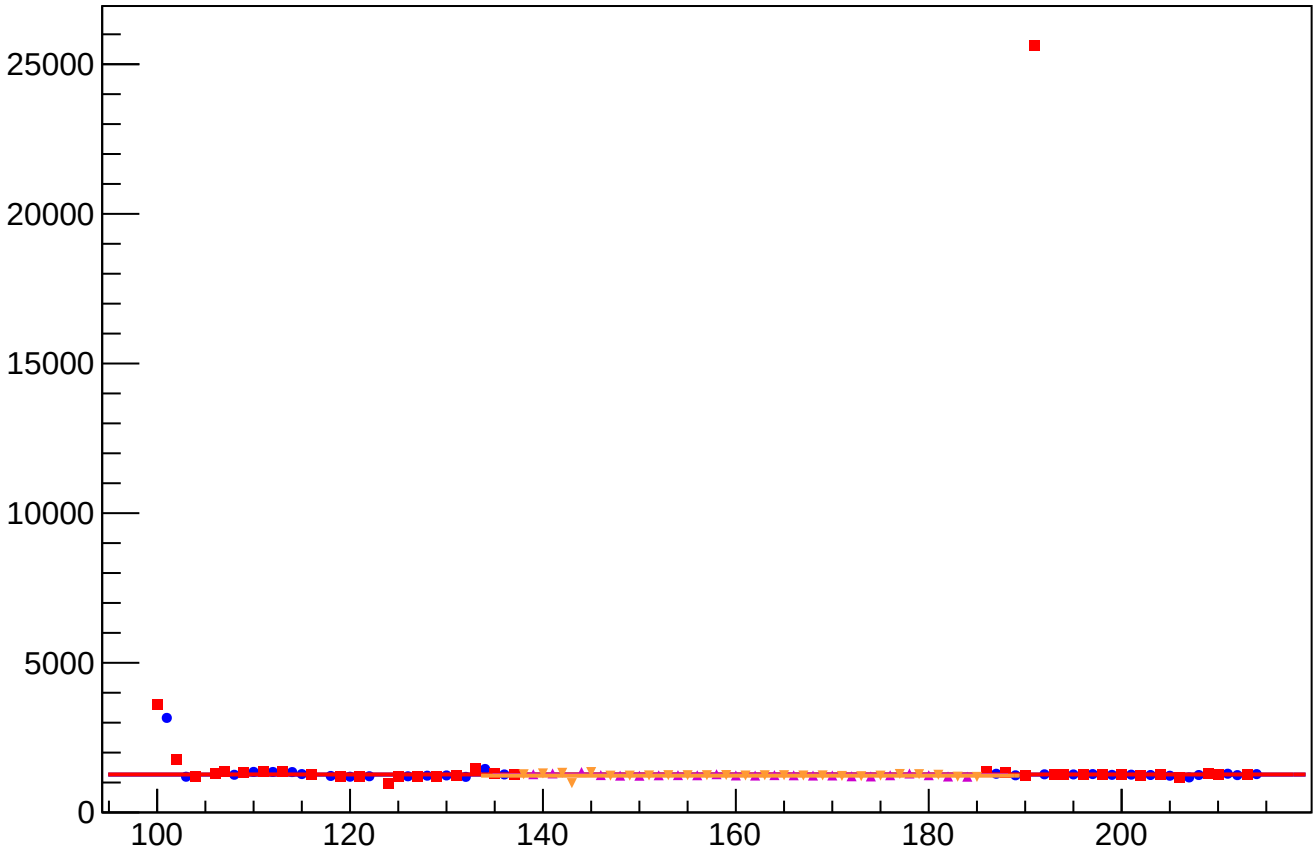
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -139.133+/-209.684 χ^2/NDF: 60.2/63

In: 122.558+/-208.199 χ^2/NDF:41.3/52

Out: -416.166+/-203.243 χ^2/NDF:53.8/58

All: -153.292+/-145.435 χ^2/NDF: 98.4/111



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

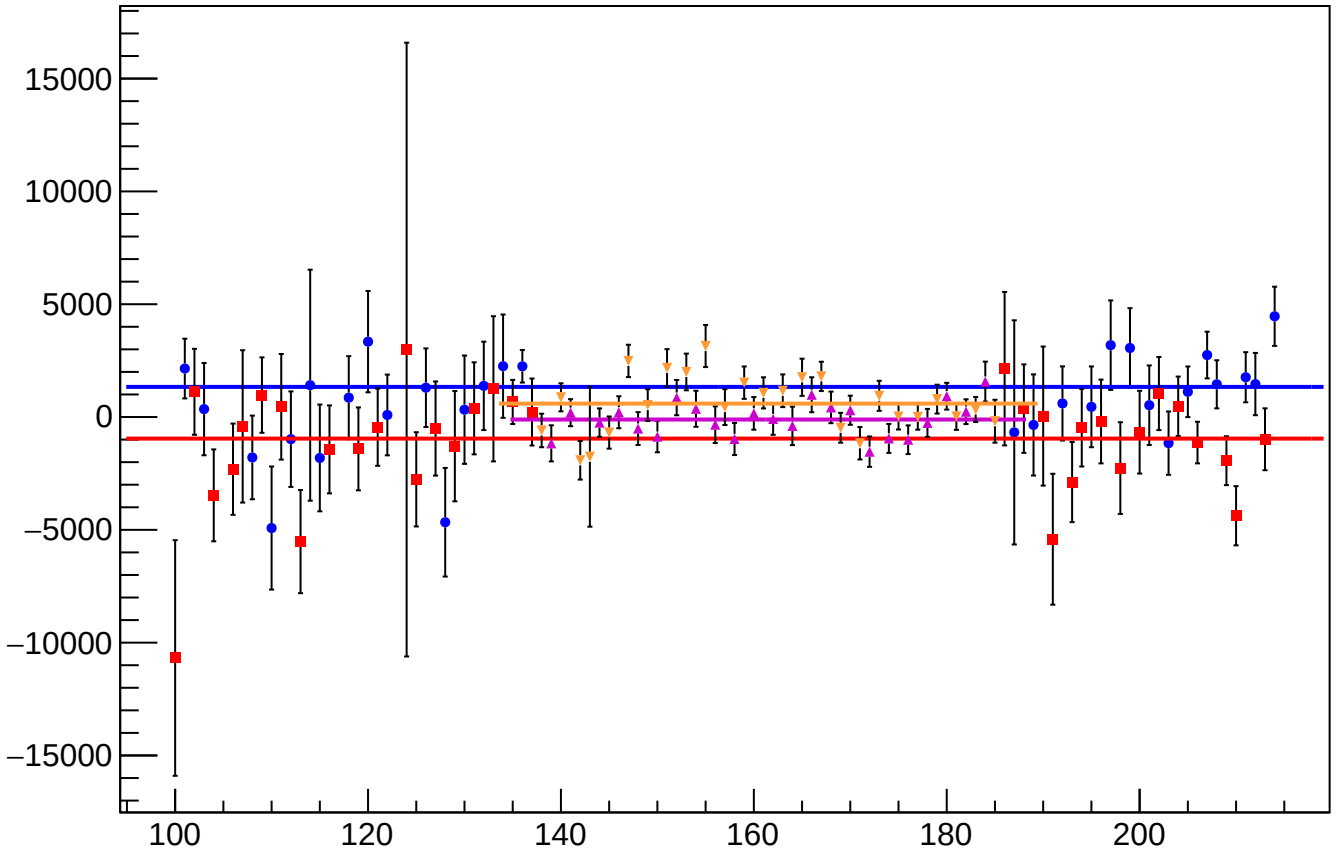
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1266.972+/-0.148 χ^2/NDF: 910914.5/63

In: 1255.766+/-0.147 χ^2/NDF:555841.1/52

Out: 1248.822+/-0.144 χ^2/NDF:545861.0/58

All: 1252.210+/-0.103 χ^2/NDF: 1102841.4/11



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

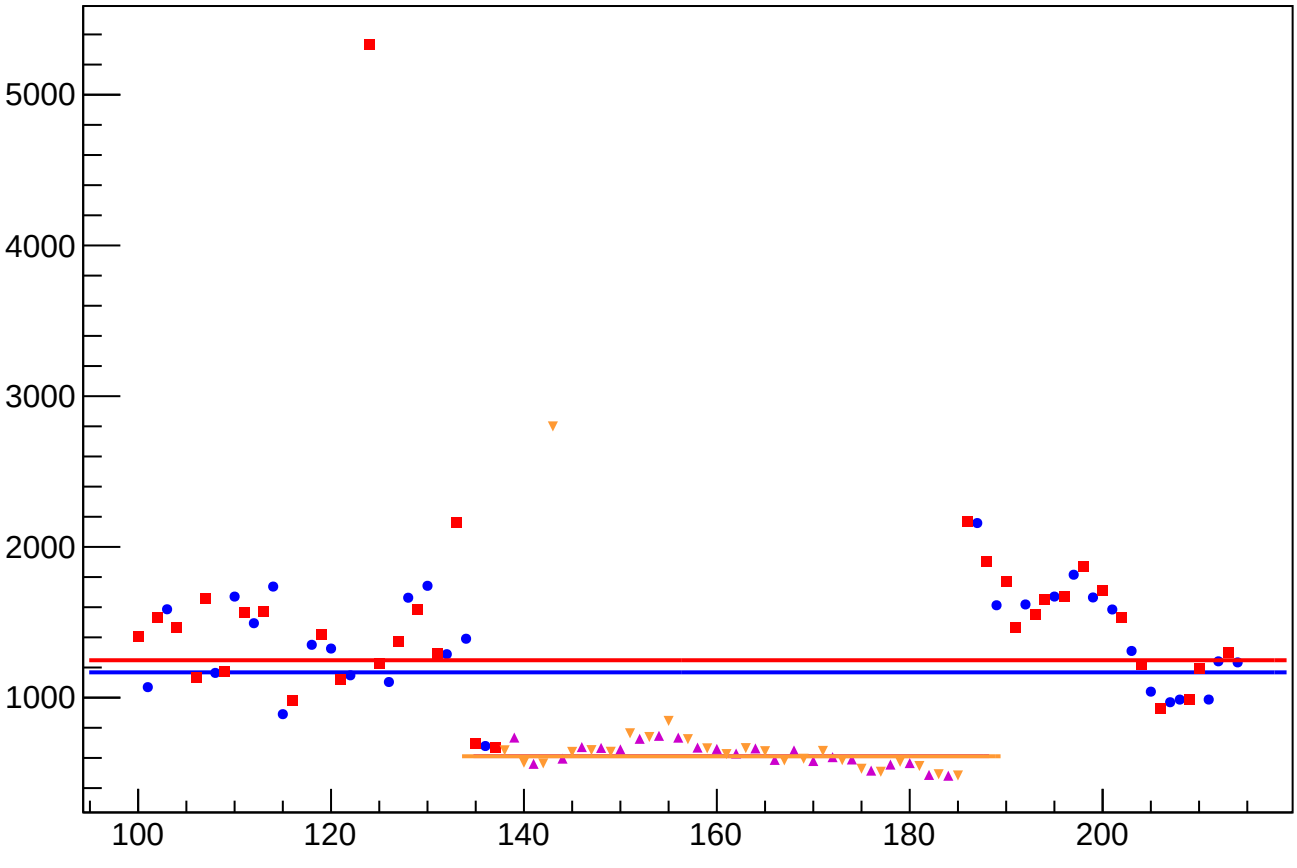
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 250.149+/-206.174 χ^2/NDF: 99.8/63

In: 185.861+/-128.617 χ^2/NDF:81.6/52

Out: 310.049+/-128.409 χ^2/NDF:112.9/58

All: 248.055+/-90.872 χ^2/NDF: 195.0/111



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

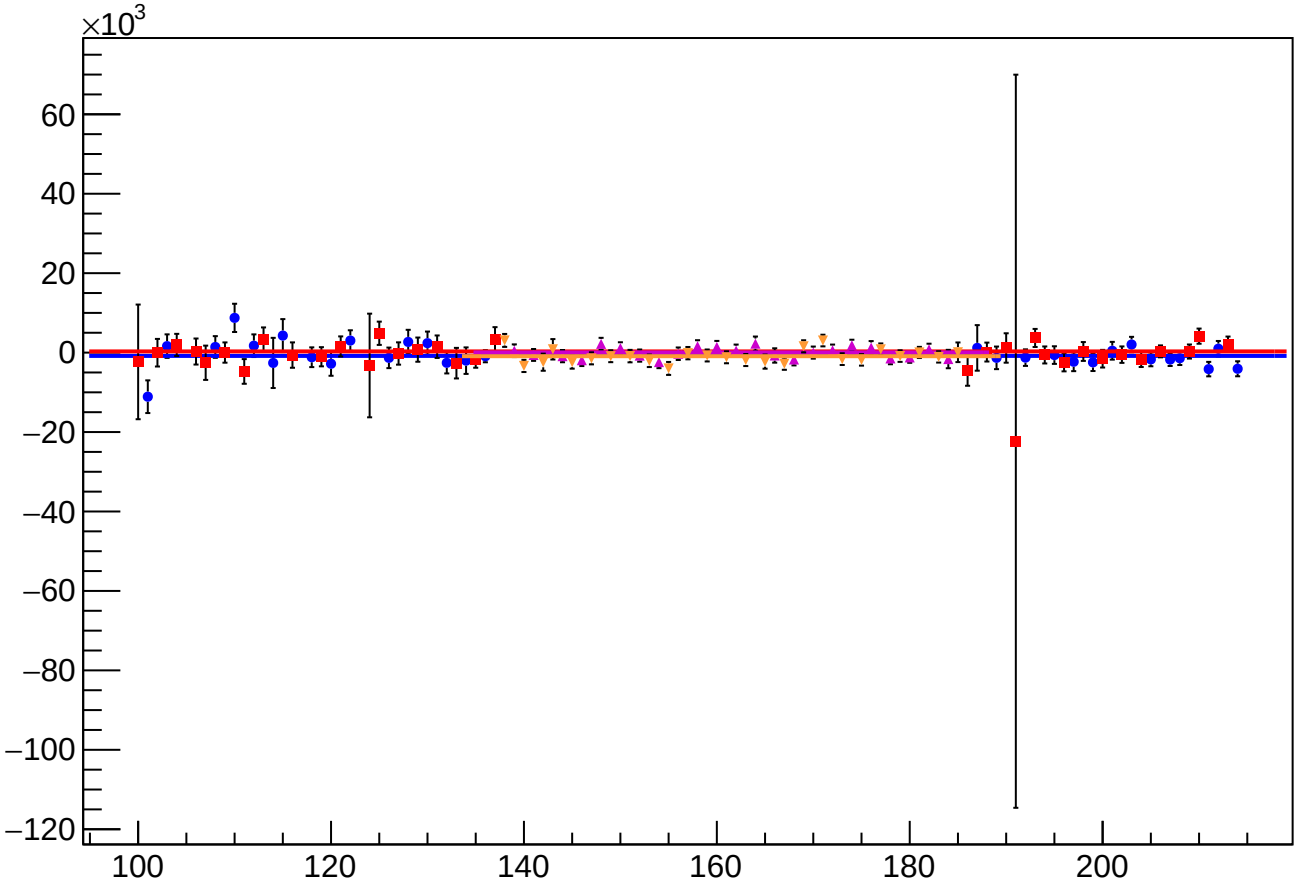
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1205.899+/-0.146 χ^2/NDF: 5736650.6/63

In: 726.161+/-0.091 χ^2/NDF:9214002.0/52

Out: 728.153+/-0.091 χ^2/NDF:12033901.6/58

All: 727.159+/-0.064 χ^2/NDF: 21248143.9/1



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

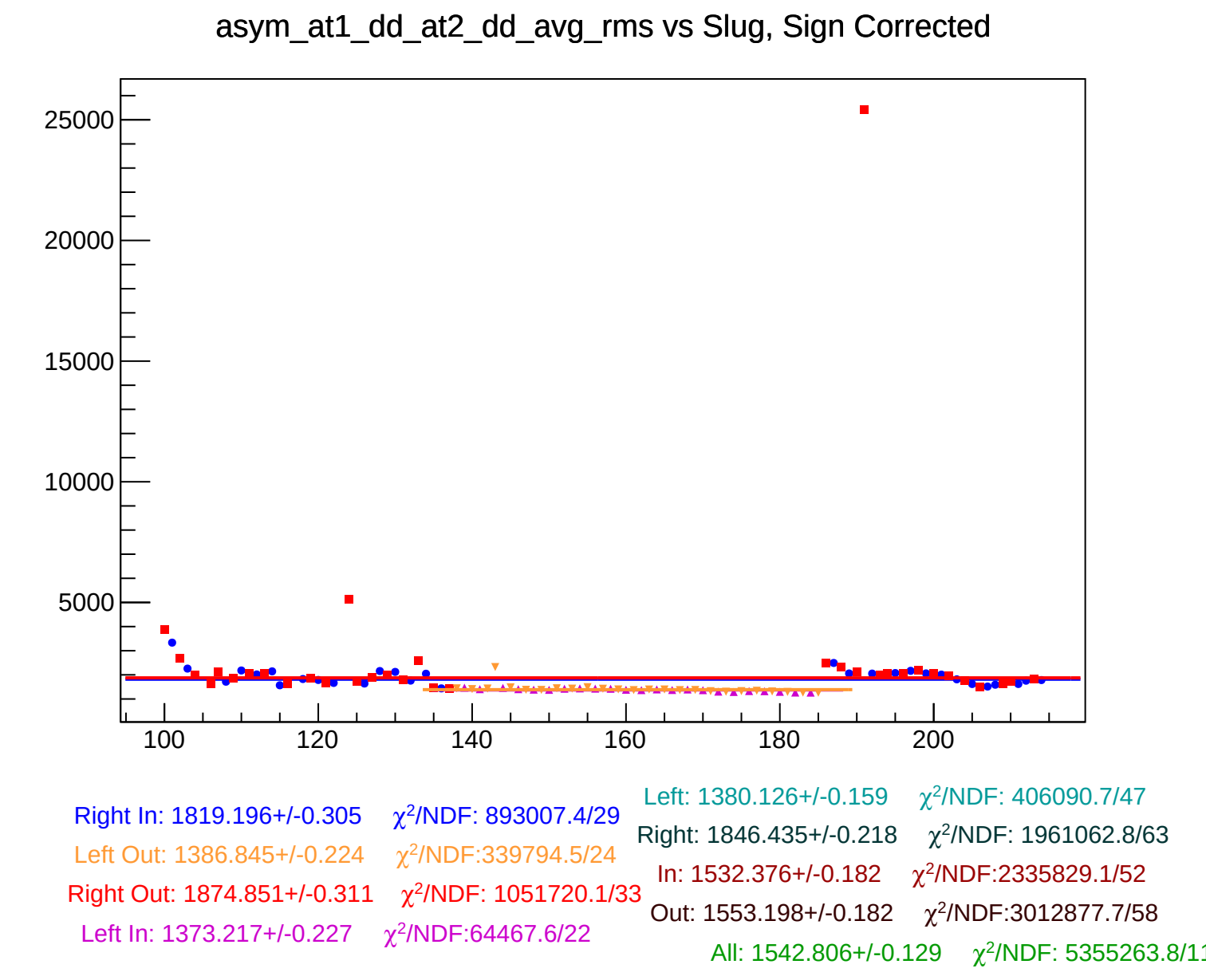
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

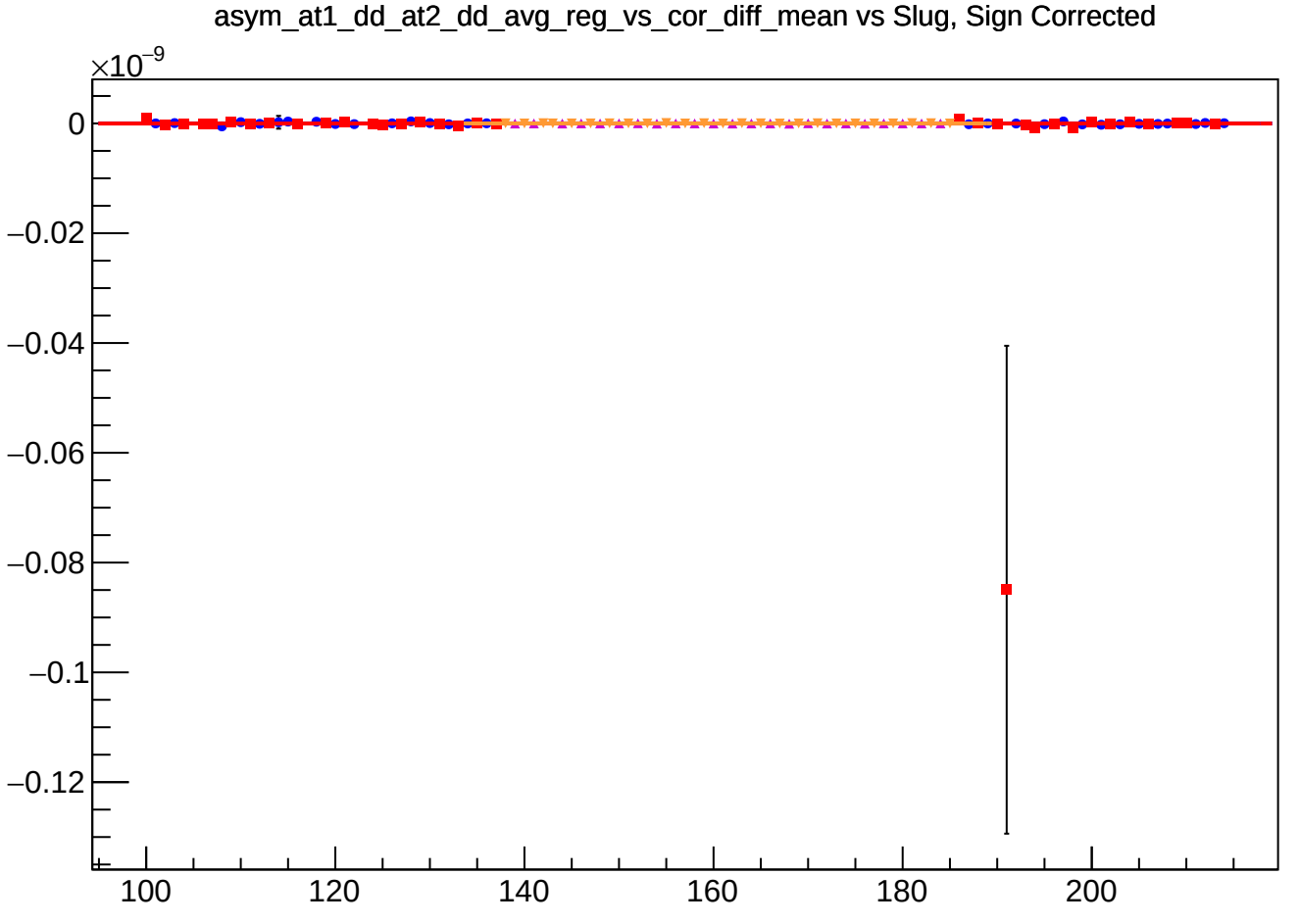
Right: -276.891+/-307.841 χ^2/NDF: 60.7/63

In: -265.424+/-257.369 χ^2/NDF:55.1/52

Out: -490.632+/-256.913 χ^2/NDF:57.5/58

All: -378.228+/-181.826 χ^2/NDF: 113.0/111


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 1819.196+/-0.305 χ²/NDF: 893007.4/29
Left Out: 1386.845+/-0.224 χ²/NDF:339794.5/24
Right Out: 1874.851+/-0.311 χ²/NDF: 1051720.1/33
Left In: 1373.217+/-0.227 χ²/NDF:64467.6/22
Left: 1380.126+/-0.159 χ²/NDF: 406090.7/47
Right: 1846.435+/-0.218 χ²/NDF: 1961062.8/63
In: 1532.376+/-0.182 χ²/NDF:2335829.1/52
Out: 1553.198+/-0.182 χ²/NDF:3012877.7/58
All: 1542.806+/-0.129 χ²/NDF: 5355263.8/11



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

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

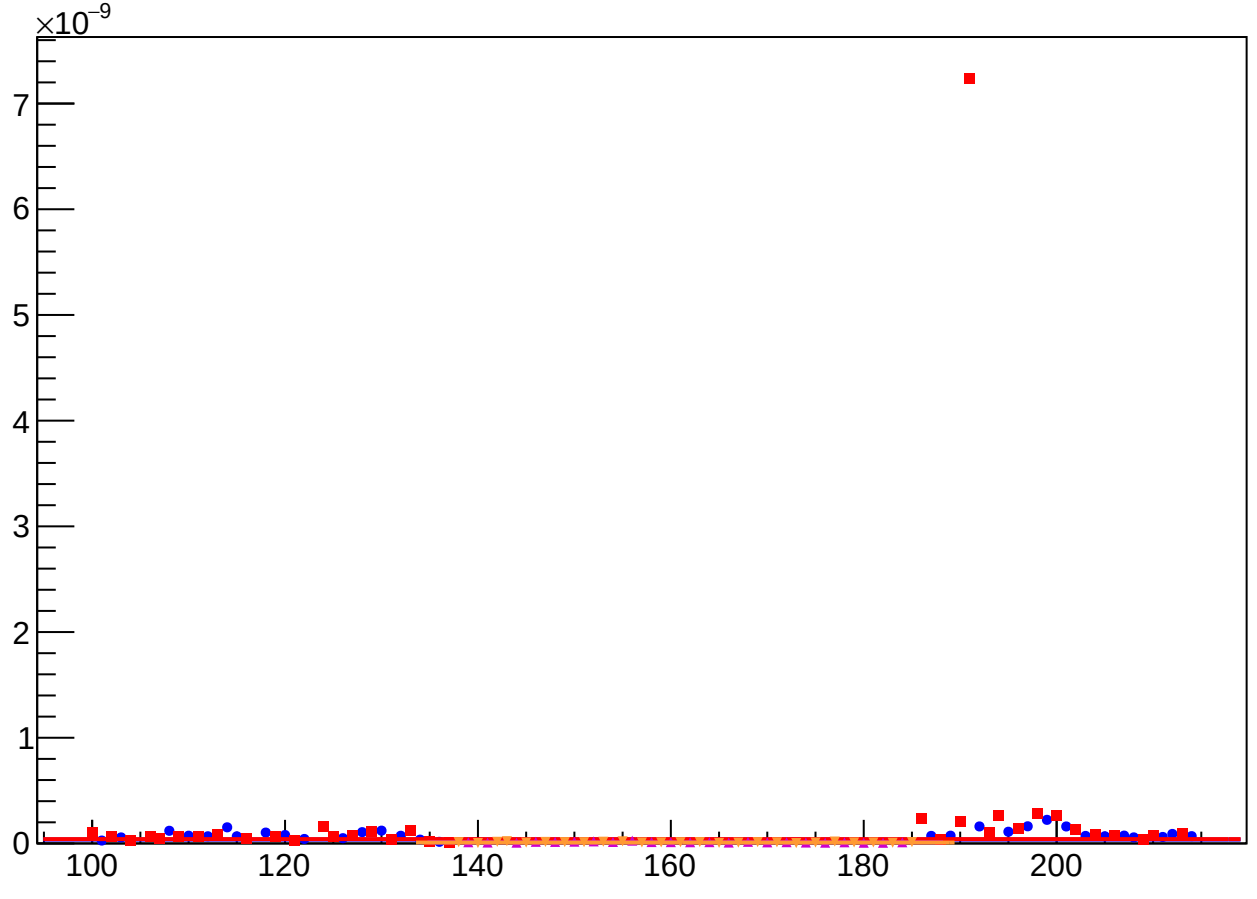
Right: -0.000+/-0.000 χ^2/NDF: 74.6/63

In: 0.000+/-0.000 χ^2/NDF:38.5/52

Out: 0.000+/-0.000 χ^2/NDF:74.6/58

All: 0.000+/-0.000 χ^2/NDF: 113.2/111

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

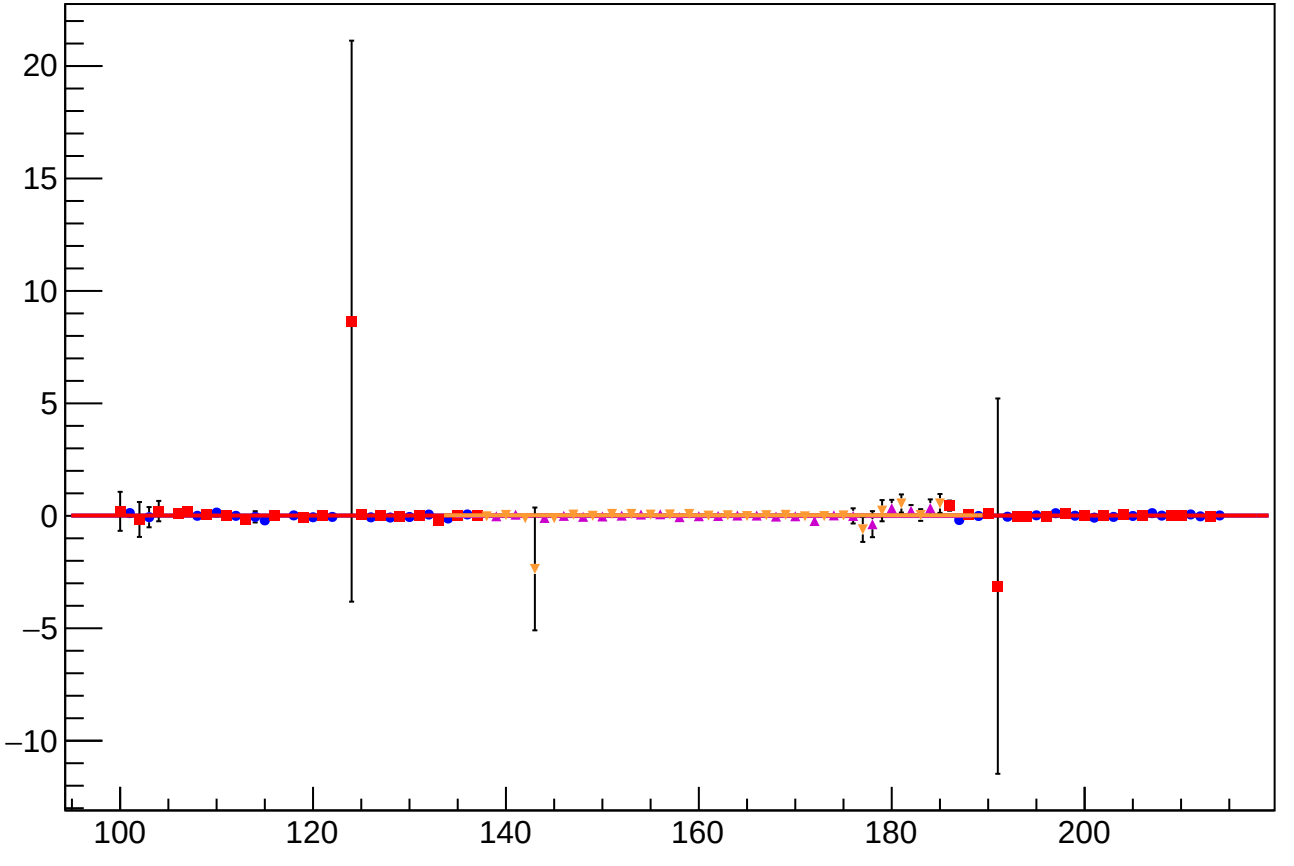
Right: 0.000+/-0.000 χ^2/NDF: 13620613.2/63

In: 0.000+/-0.000 χ^2/NDF:12440584.1/52

Out: 0.000+/-0.000 χ^2/NDF:14676537.2/58

All: 0.000+/-0.000 χ^2/NDF: 27456476.7/111

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

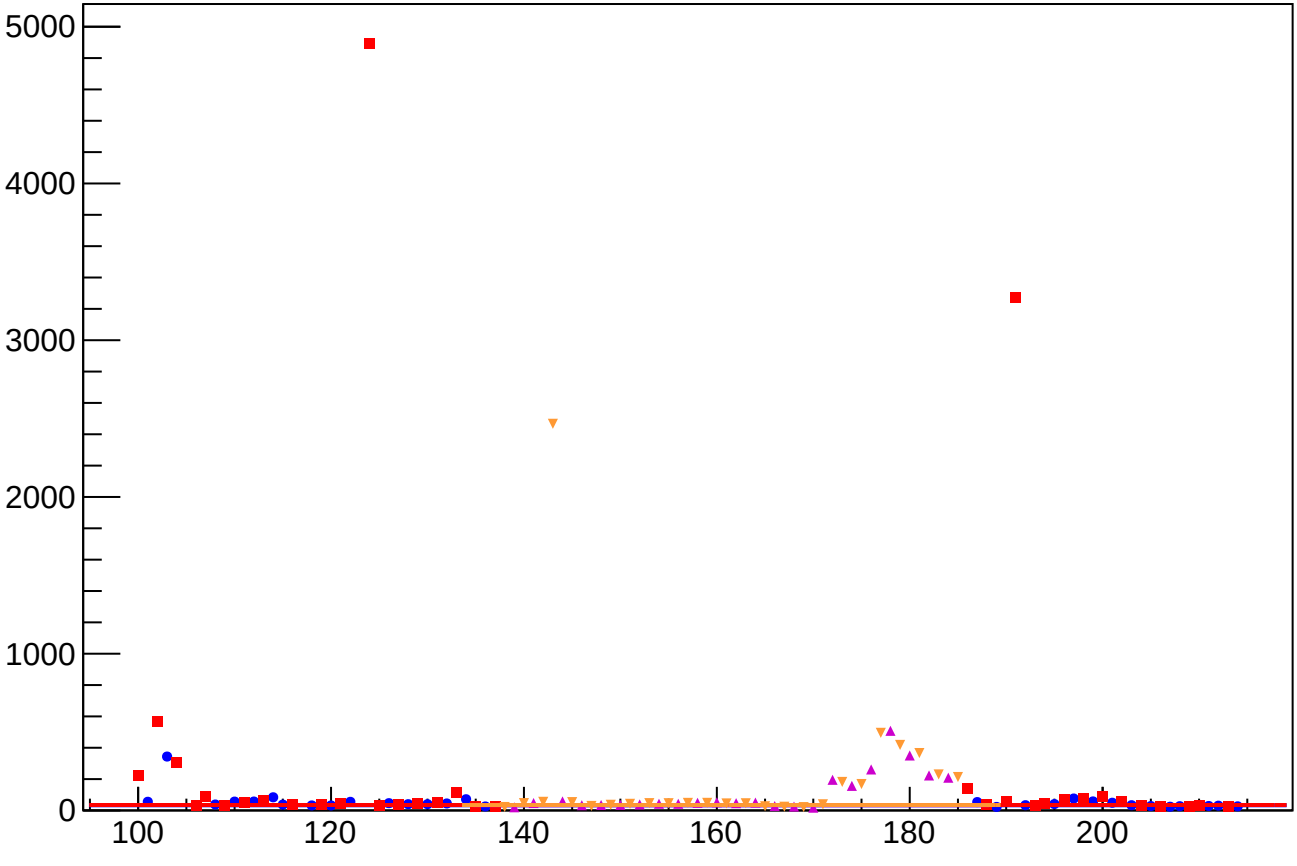
Right: 0.012+/-0.007 χ^2/NDF: 69.1/63

In: 0.002+/-0.007 χ^2/NDF:62.2/52

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/111

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

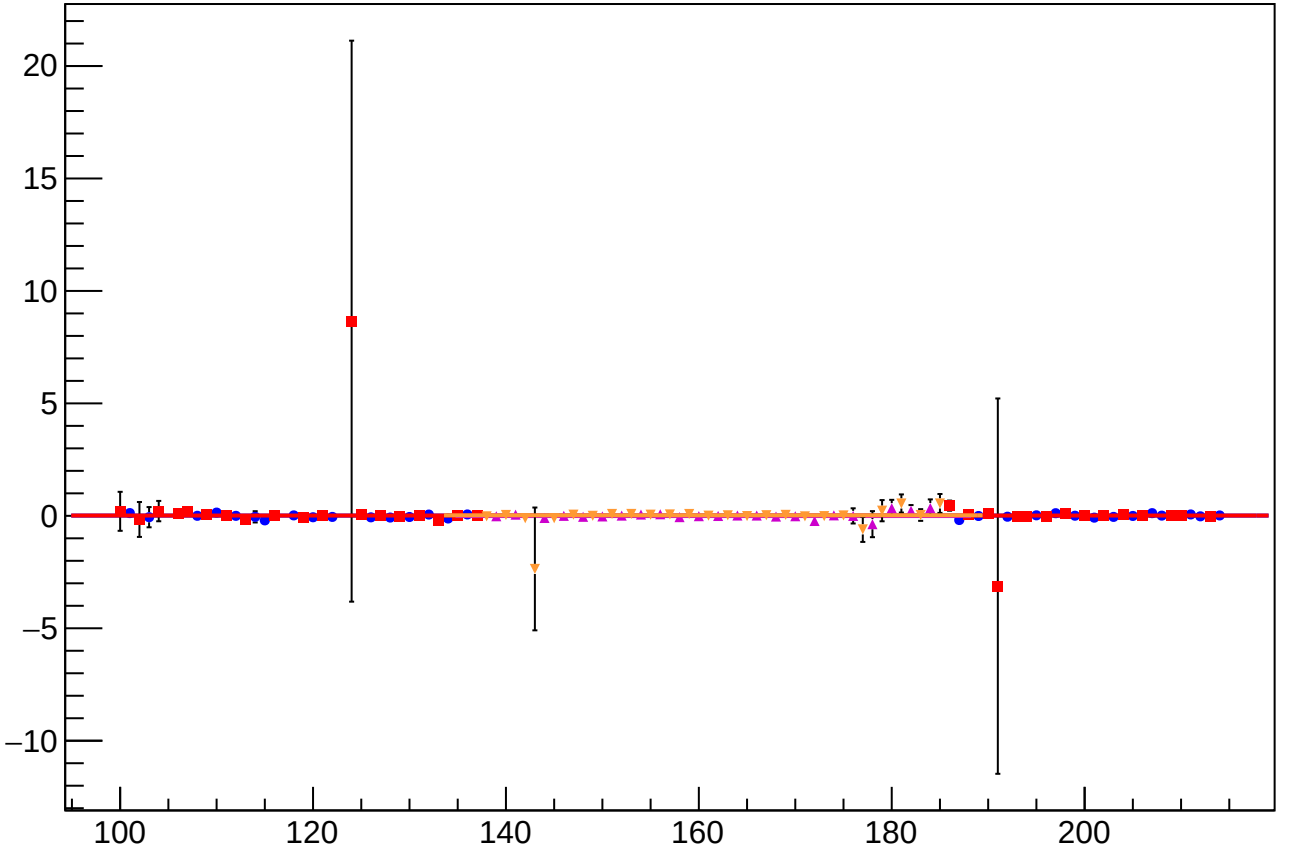
Right: 33.839+/-0.005 χ^2/NDF: 10256081.5/63

In: 33.256+/-0.005 χ^2/NDF:13803737.6/52

Out: 34.737+/-0.005 χ^2/NDF:17887051.2/58

All: 33.956+/-0.003 χ^2/NDF: 31737867.9/111

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

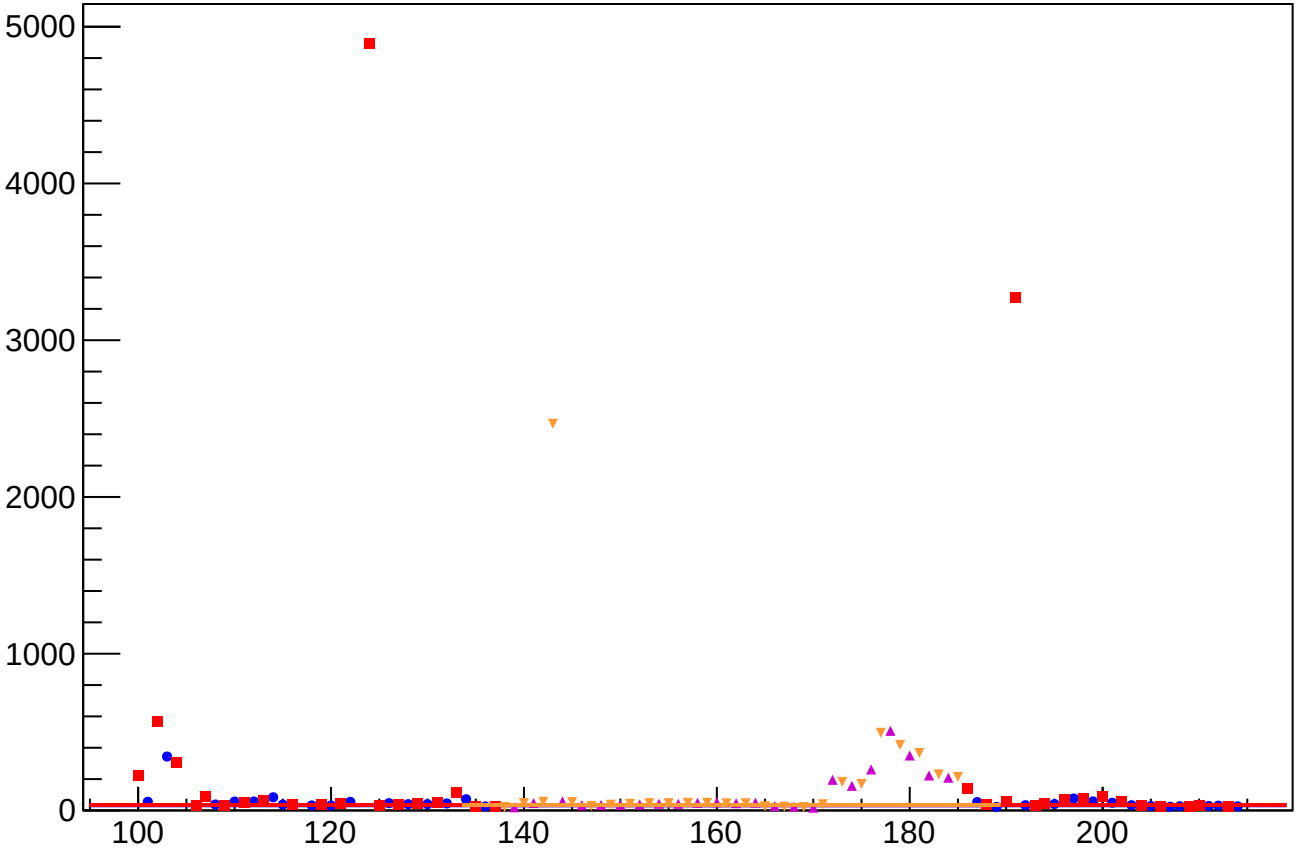
Right: 0.012+/-0.007 χ^2/NDF: 69.1/63

In: 0.002+/-0.007 χ^2/NDF:62.2/52

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/111

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

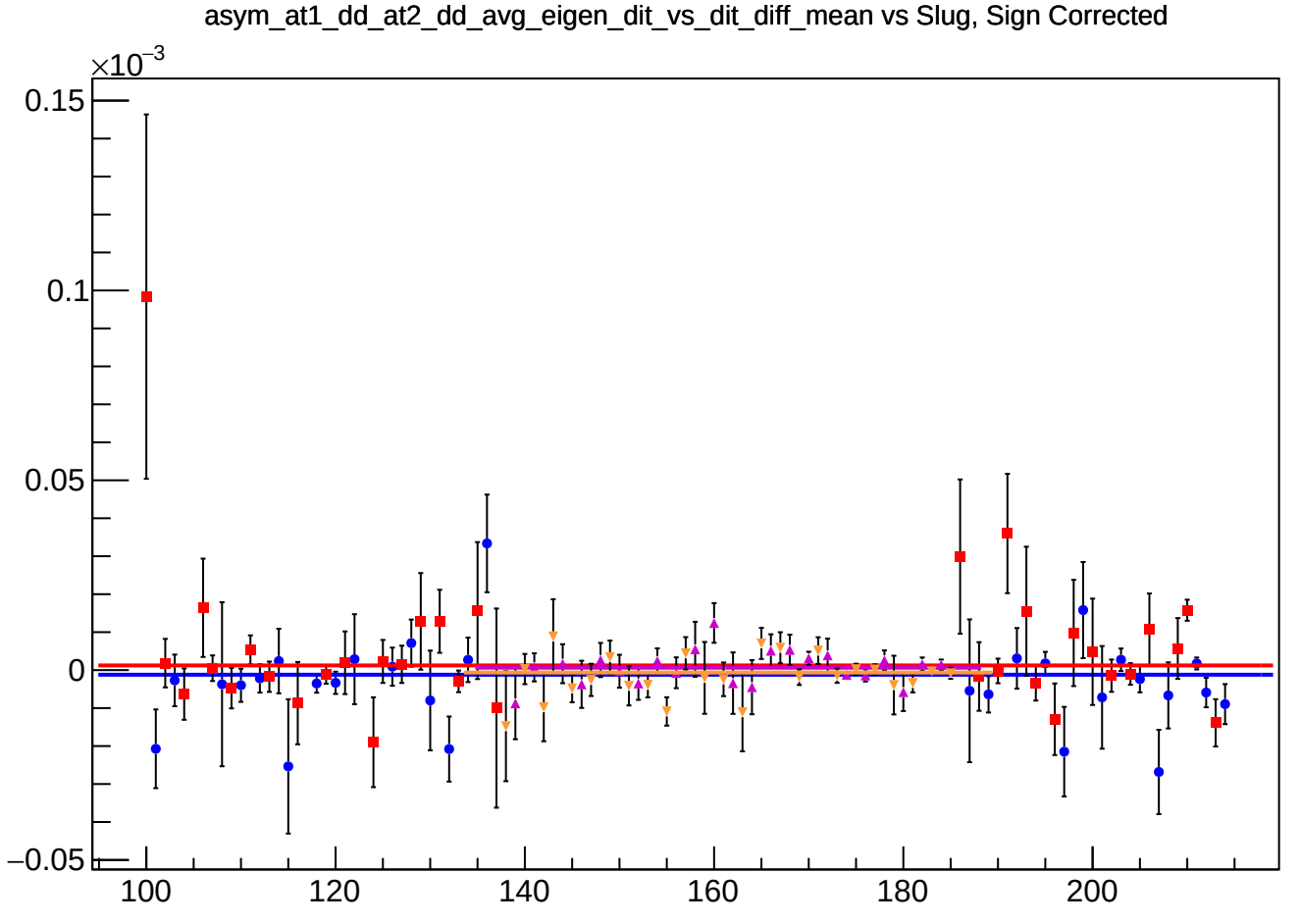
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 33.839+/-0.005 χ^2/NDF: 10256081.5/63

In: 33.256+/-0.005 χ^2/NDF:13803737.6/52

Out: 34.737+/-0.005 χ^2/NDF:17887051.2/58

All: 33.956+/-0.003 χ^2/NDF: 31737867.9/111



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

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

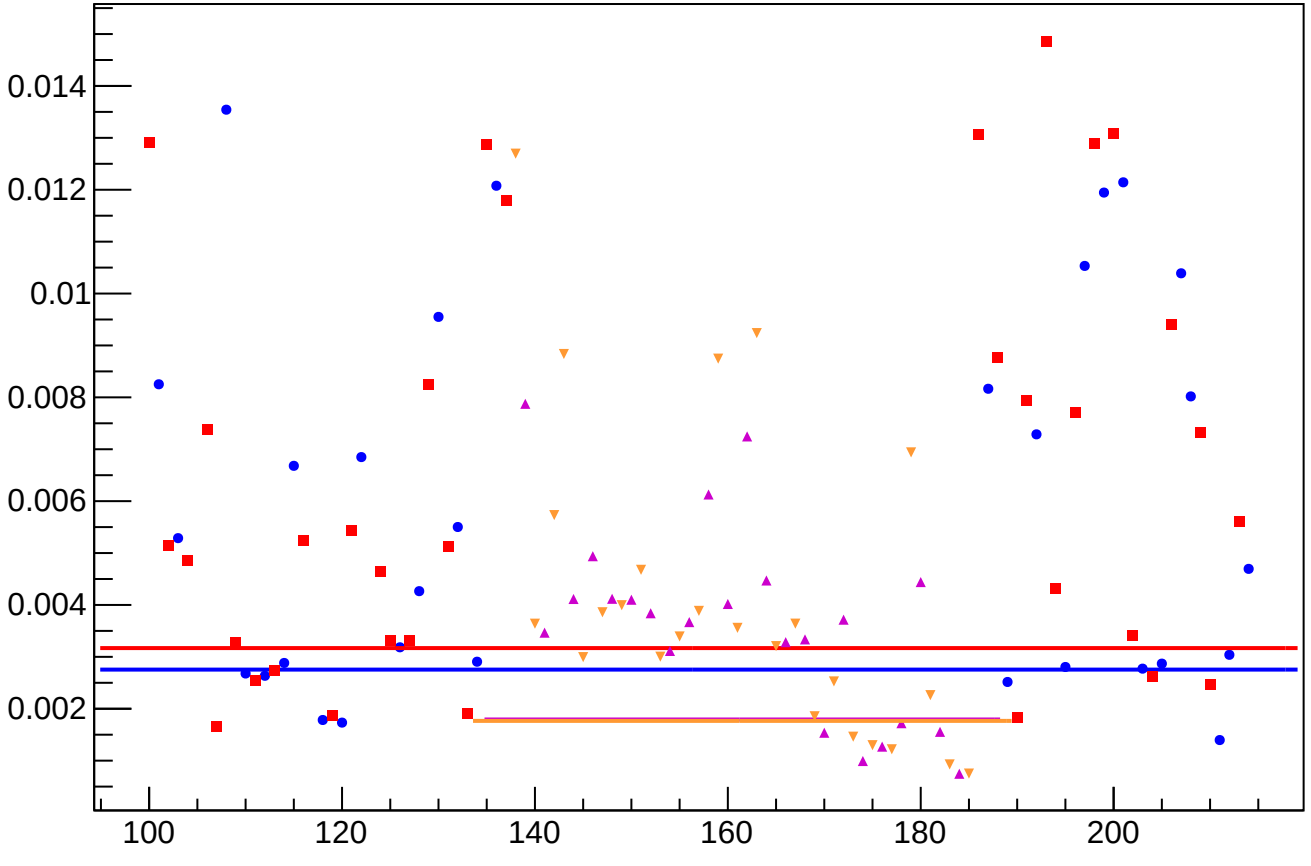
Right: -0.000+/-0.000 χ^2/NDF: 116.8/63

In: 0.000+/-0.000 χ^2/NDF:70.5/52

Out: -0.000+/-0.000 χ^2/NDF:99.4/58

All: -0.000+/-0.000 χ^2/NDF: 170.0/111

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

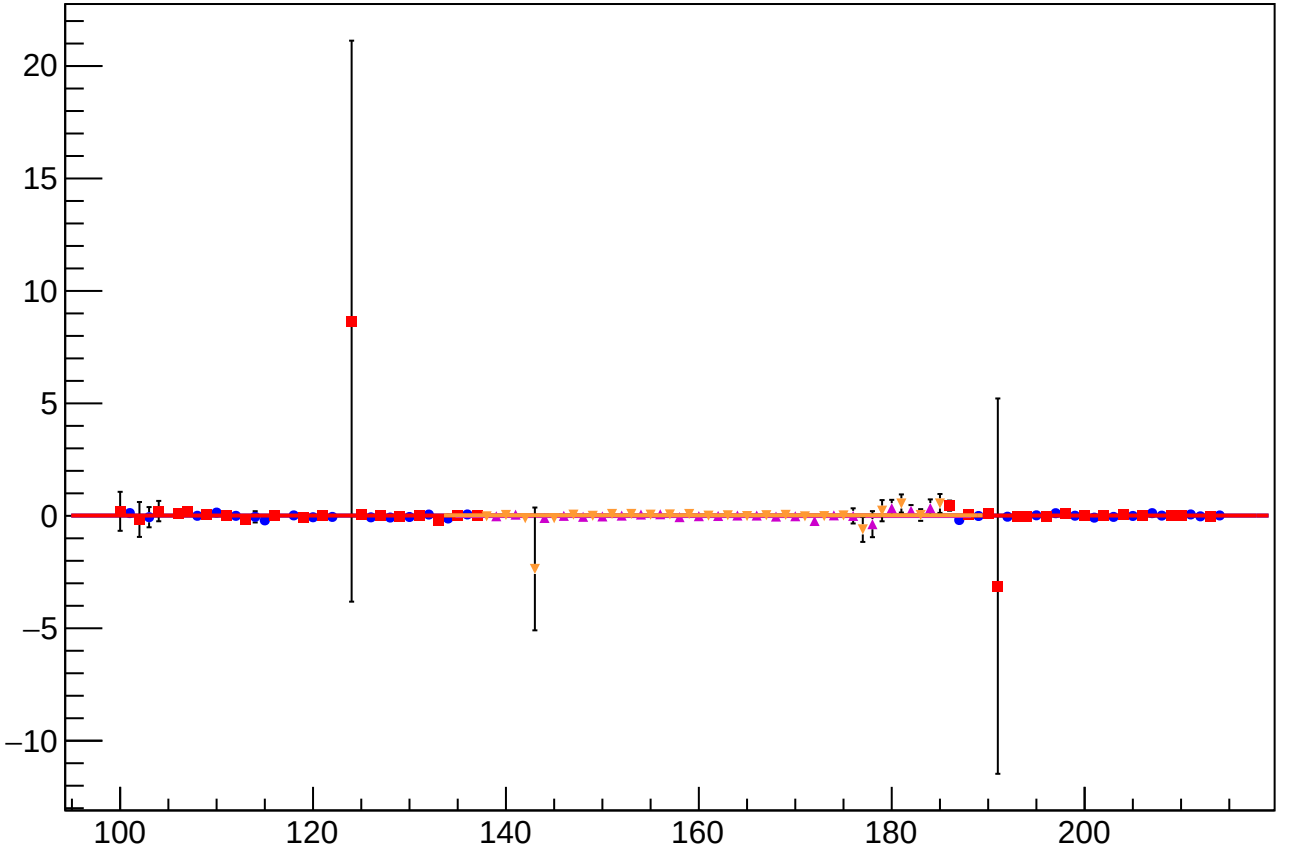
Right: 0.003+/-0.000 χ^2/NDF: 22295044.3/63

In: 0.002+/-0.000 χ^2/NDF:24009325.7/52

Out: 0.002+/-0.000 χ^2/NDF:27413442.4/58

All: 0.002+/-0.000 χ^2/NDF: 51426954.8/111

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

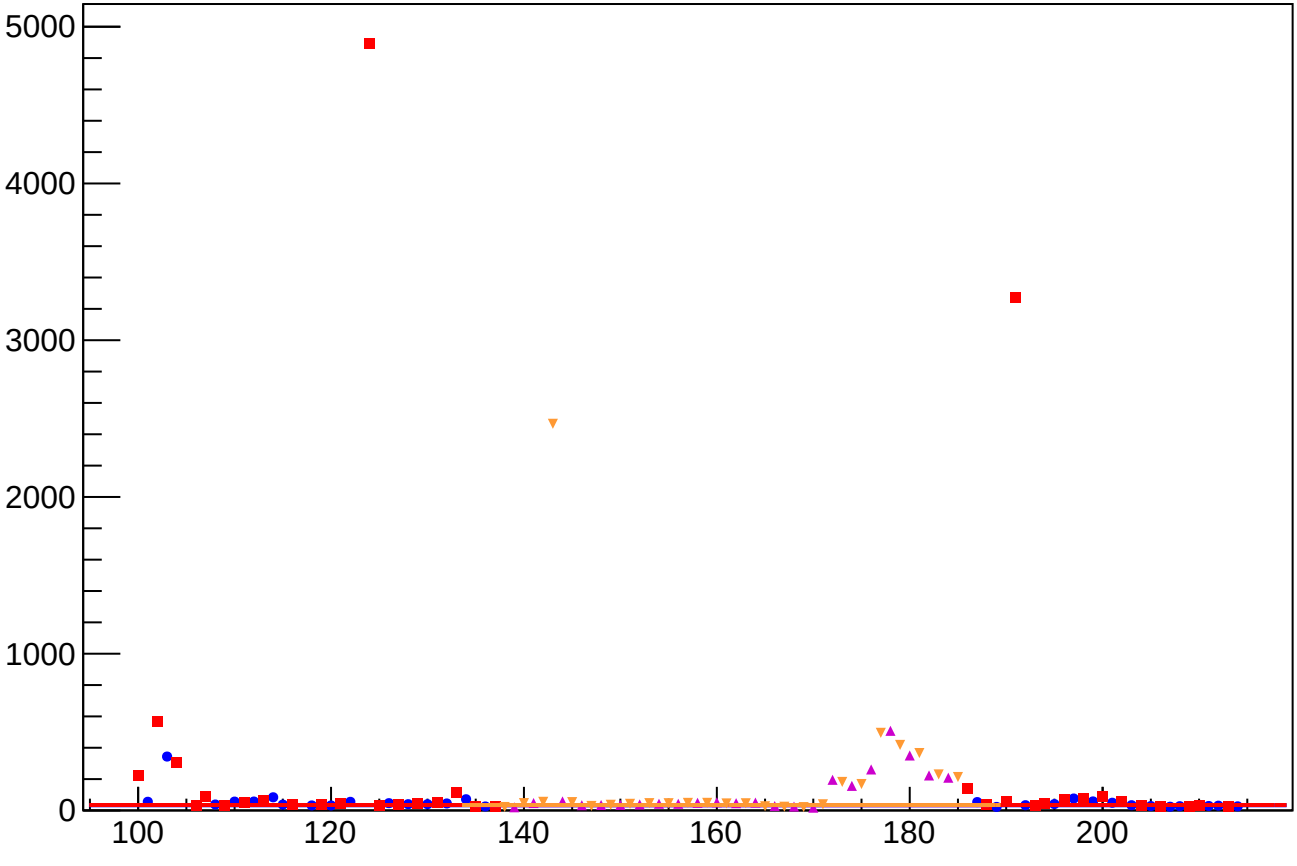
Right: 0.012+/-0.007 χ^2/NDF: 69.1/63

In: 0.002+/-0.007 χ^2/NDF:62.2/52

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/111

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

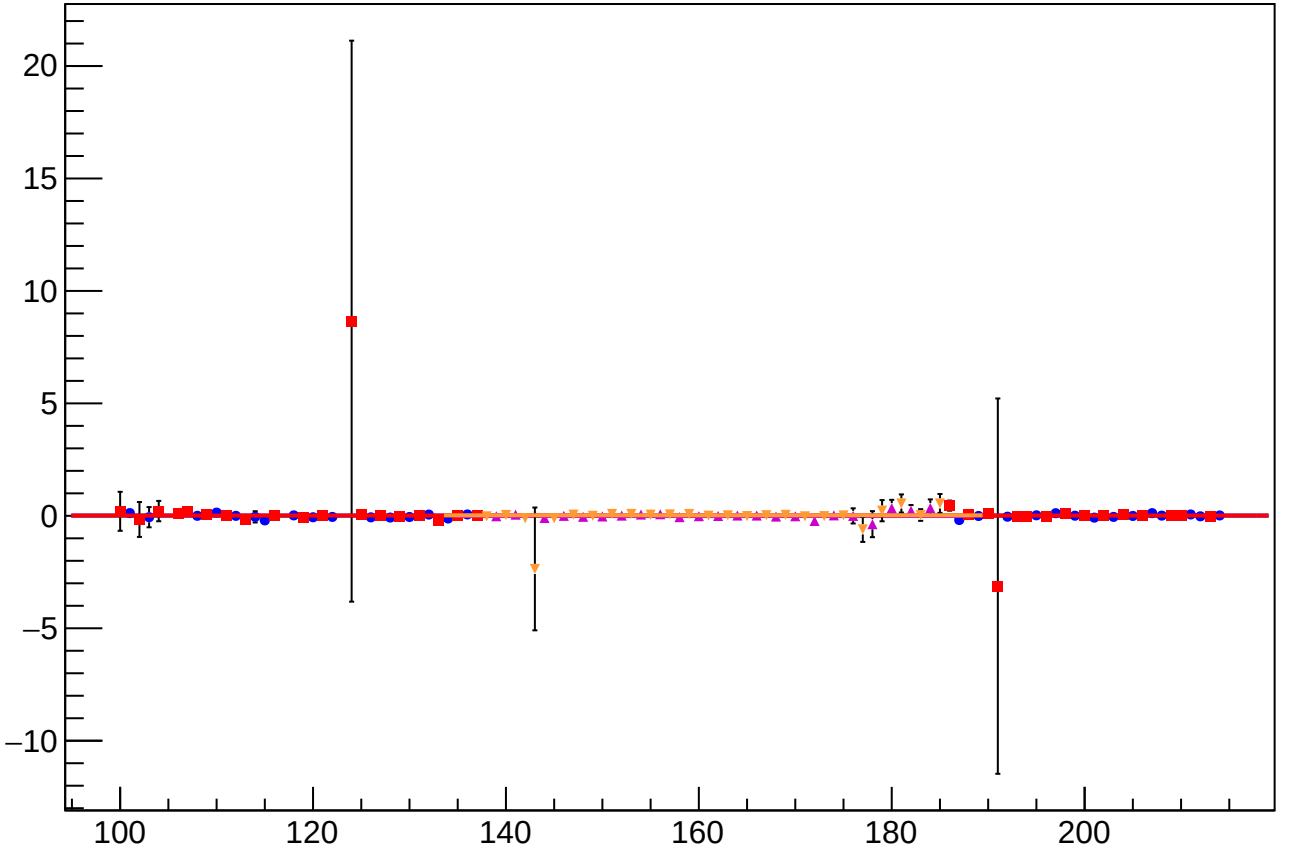
Right: 33.841+/-0.005 χ^2/NDF: 10254678.0/63

In: 33.259+/-0.005 χ^2/NDF:13801213.2/52

Out: 34.736+/-0.005 χ^2/NDF:17887123.1/58

All: 33.957+/-0.003 χ^2/NDF: 31735232.9/111

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

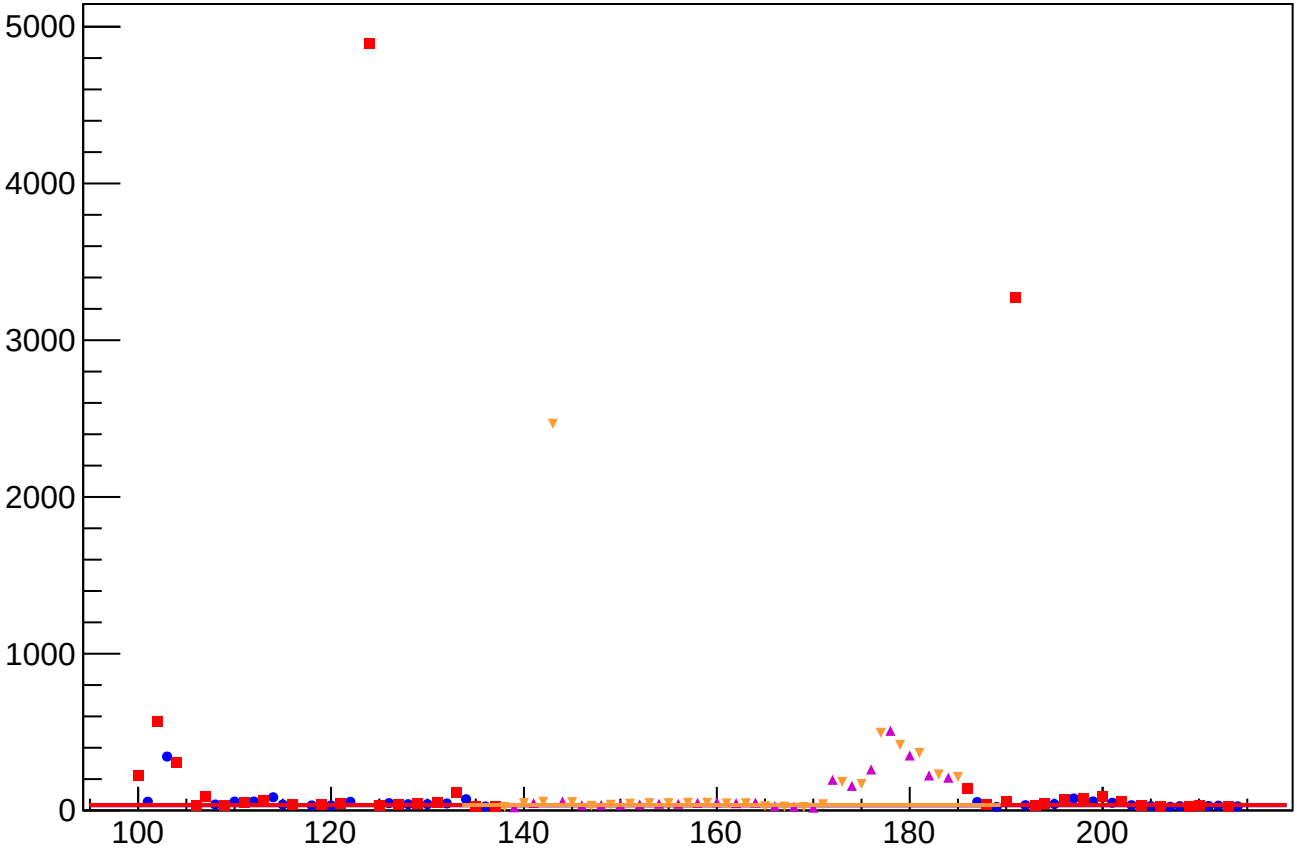
Right: 0.012+/-0.007 χ^2/NDF: 69.1/63

In: 0.002+/-0.007 χ^2/NDF:62.2/52

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/111

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

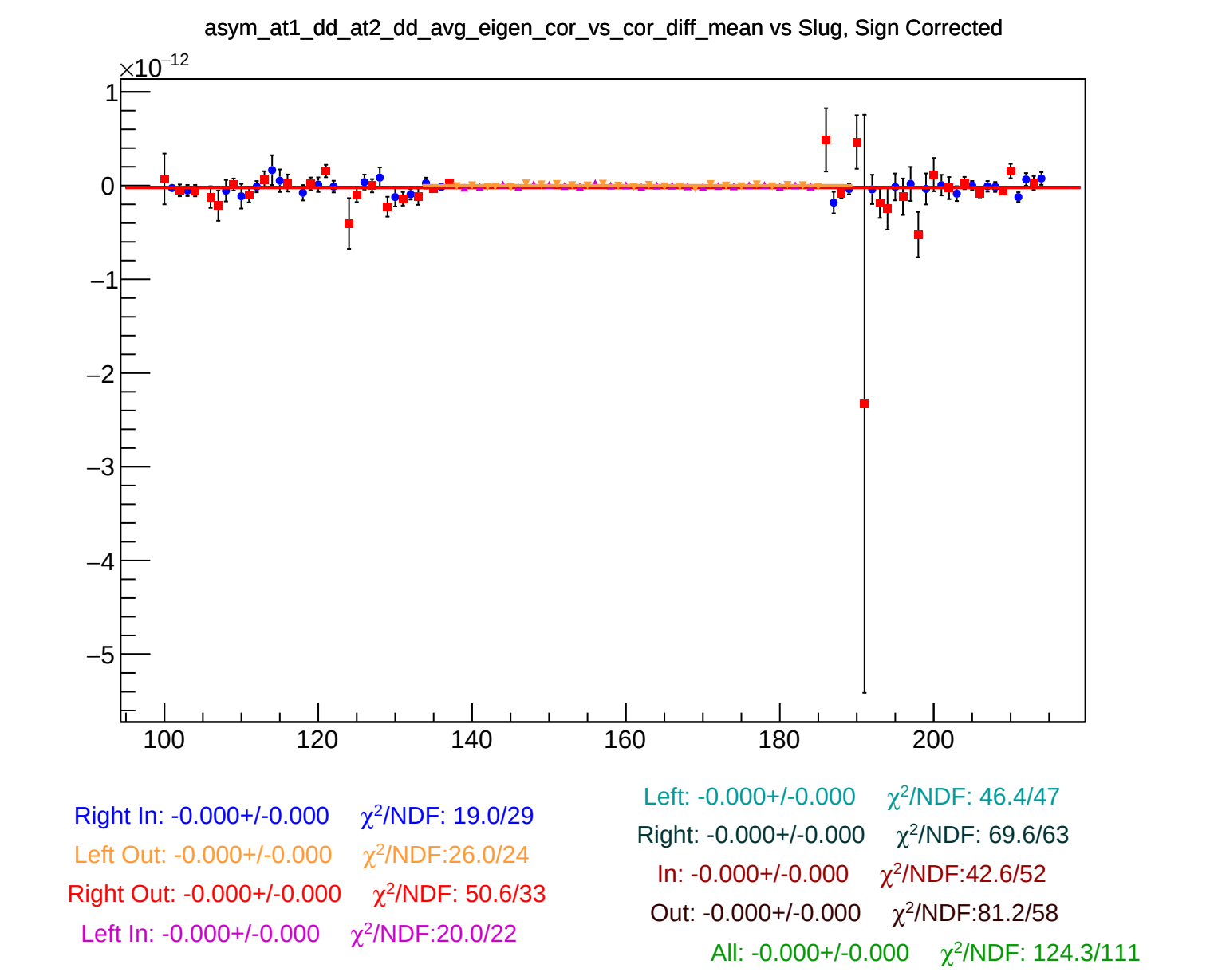
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

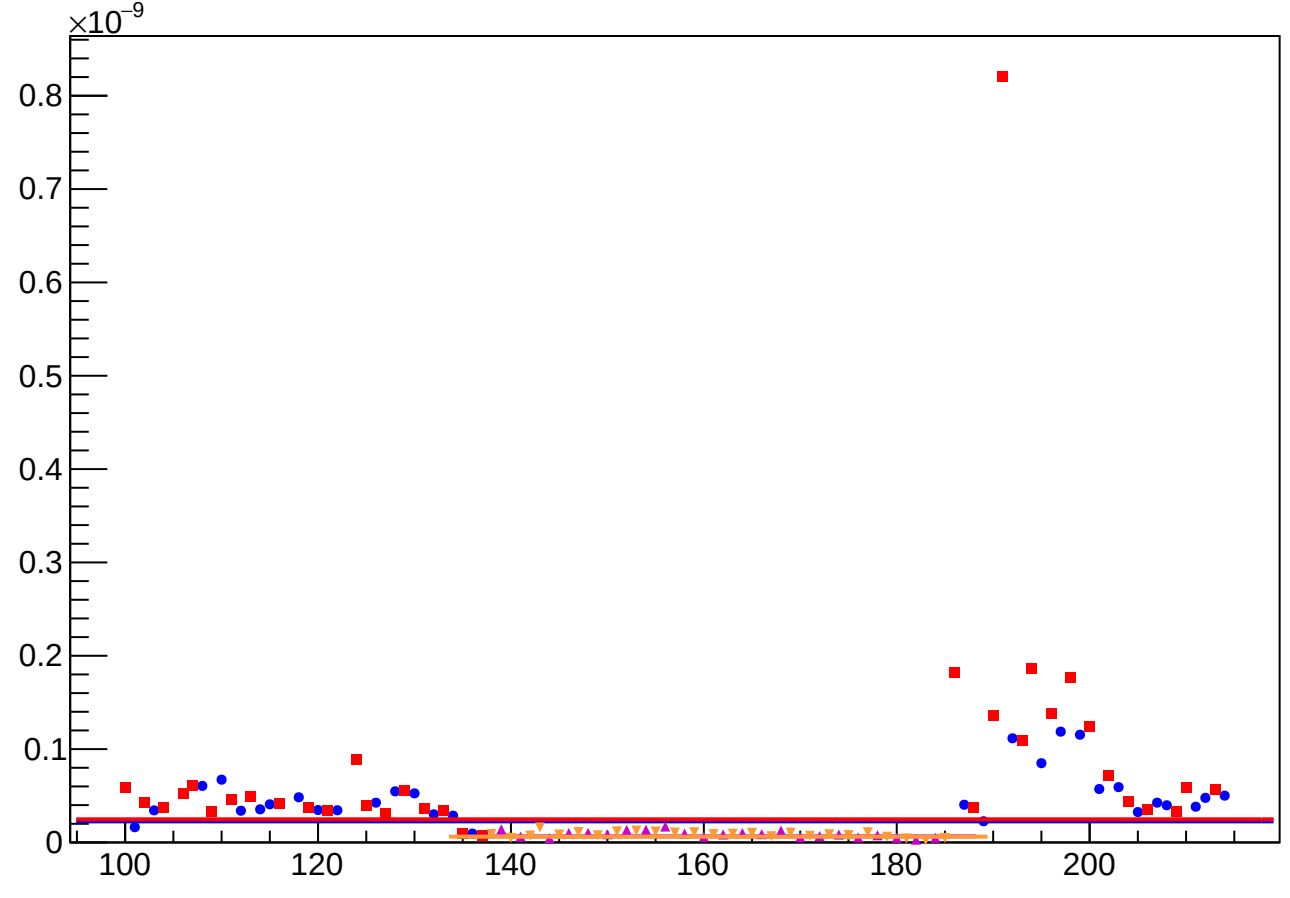
Right: 33.841+/-0.005 χ^2/NDF: 10254678.0/63

In: 33.259+/-0.005 χ^2/NDF:13801213.2/52

Out: 34.736+/-0.005 χ^2/NDF:17887123.1/58

All: 33.957+/-0.003 χ^2/NDF: 31735232.9/111


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.0/29
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 50.6/33
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 69.6/63
In: -0.000+/-0.000 χ²/NDF:42.6/52
Out: -0.000+/-0.000 χ²/NDF:81.2/58
All: -0.000+/-0.000 χ²/NDF: 124.3/111



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

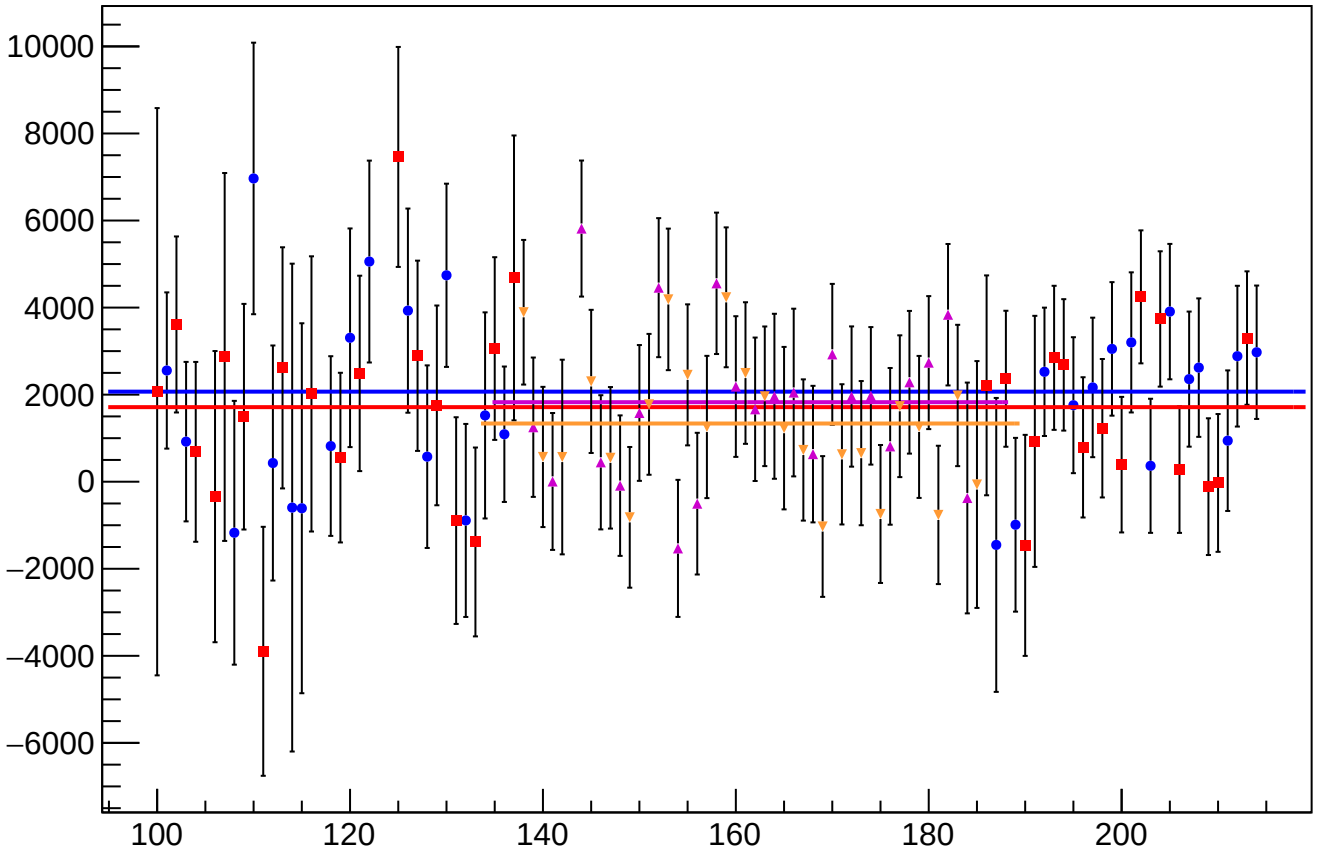
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 18665681.9/63

In: 0.000+/-0.000 χ^2/NDF:18459339.8/52

Out: 0.000+/-0.000 χ^2/NDF:22522390.8/58

All: 0.000+/-0.000 χ^2/NDF: 41022461.9/111



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

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

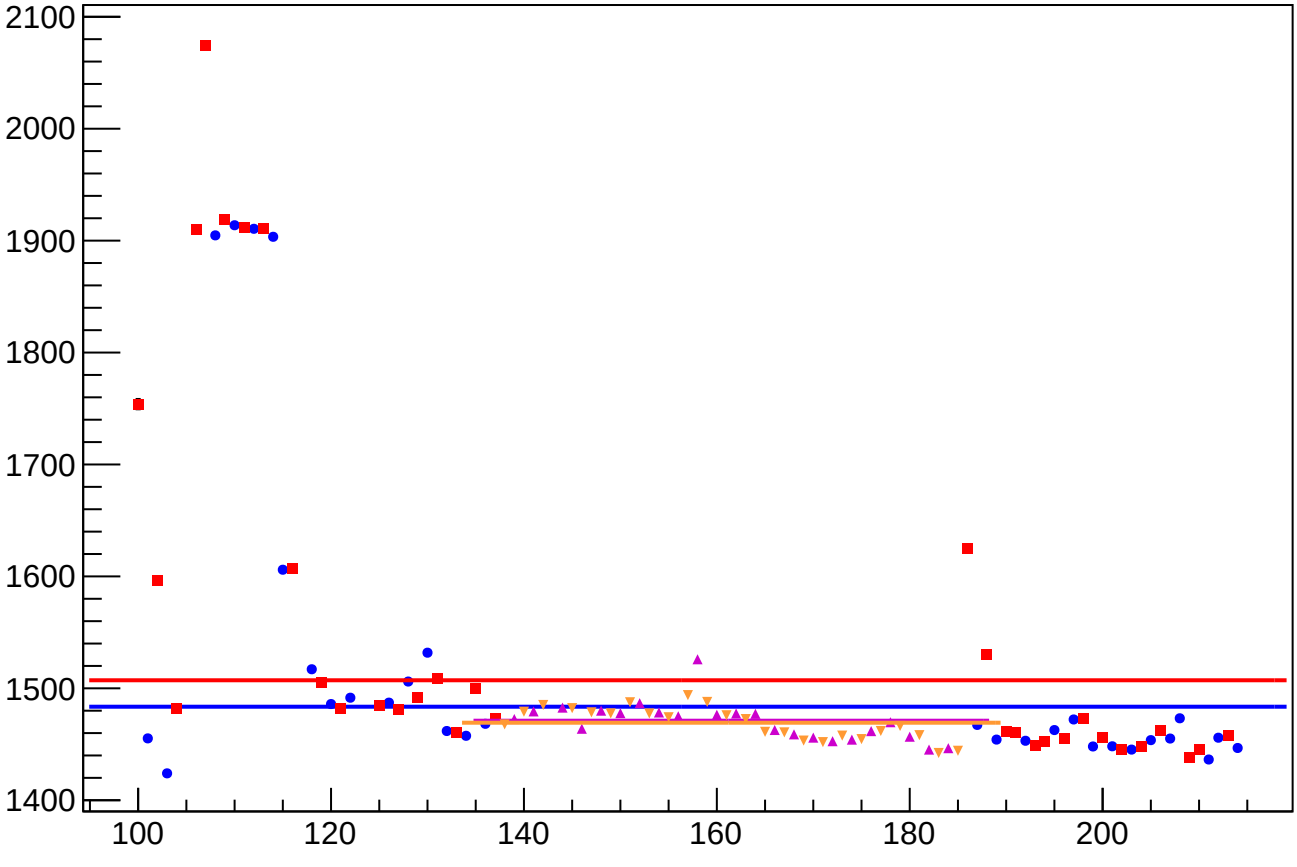
Right: 1891.347+/-245.719 χ^2/NDF: 50.1/62

In: 1946.521+/-244.148 χ^2/NDF:47.4/52

Out: 1521.195+/-243.530 χ^2/NDF:48.7/56

All: 1733.319+/-172.420 χ^2/NDF: 97.6/109

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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

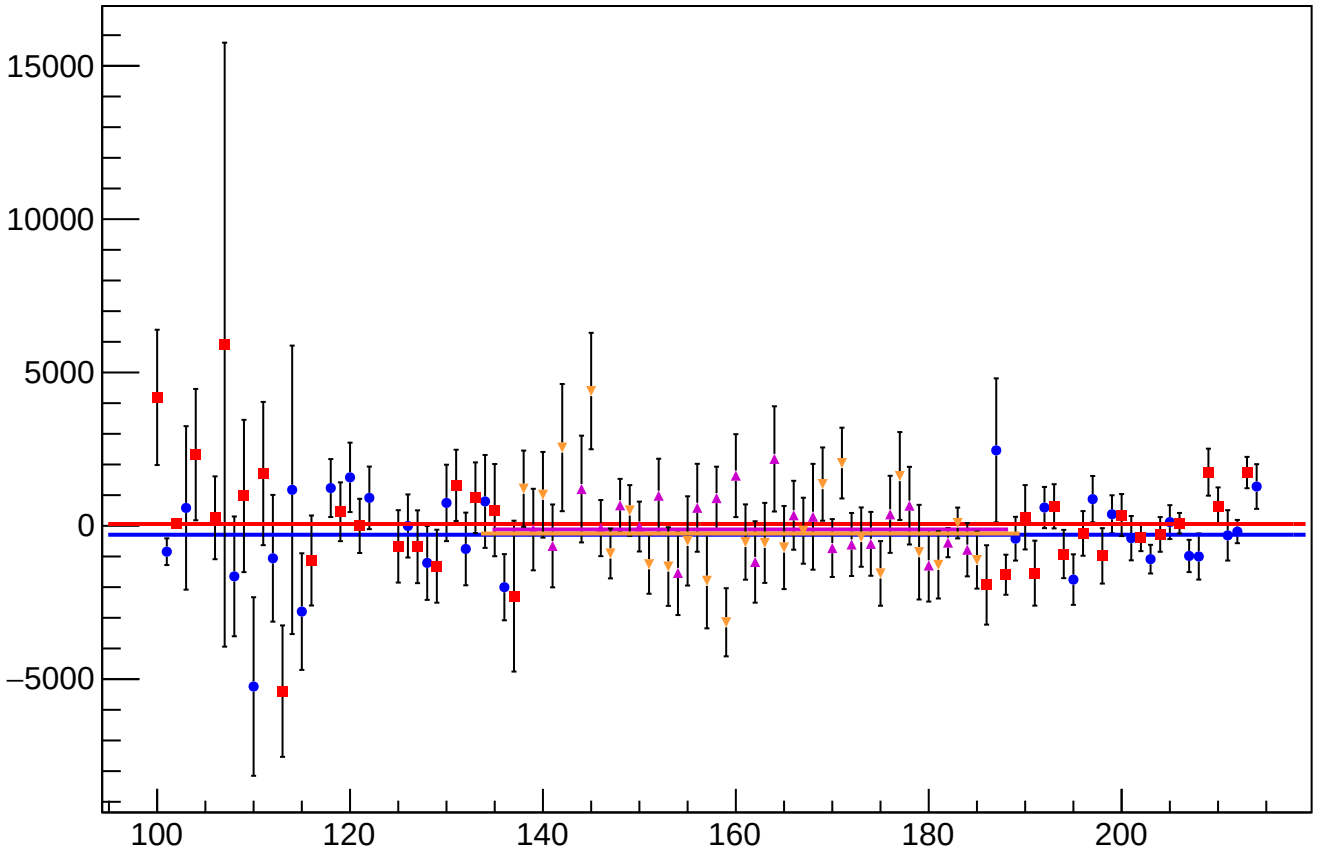
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1495.350+/-0.174 χ^2/NDF: 401734.9/62

In: 1477.244+/-0.173 χ^2/NDF:160632.6/52

Out: 1487.850+/-0.172 χ^2/NDF:257710.4/56

All: 1482.560+/-0.122 χ^2/NDF: 420235.0/109



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

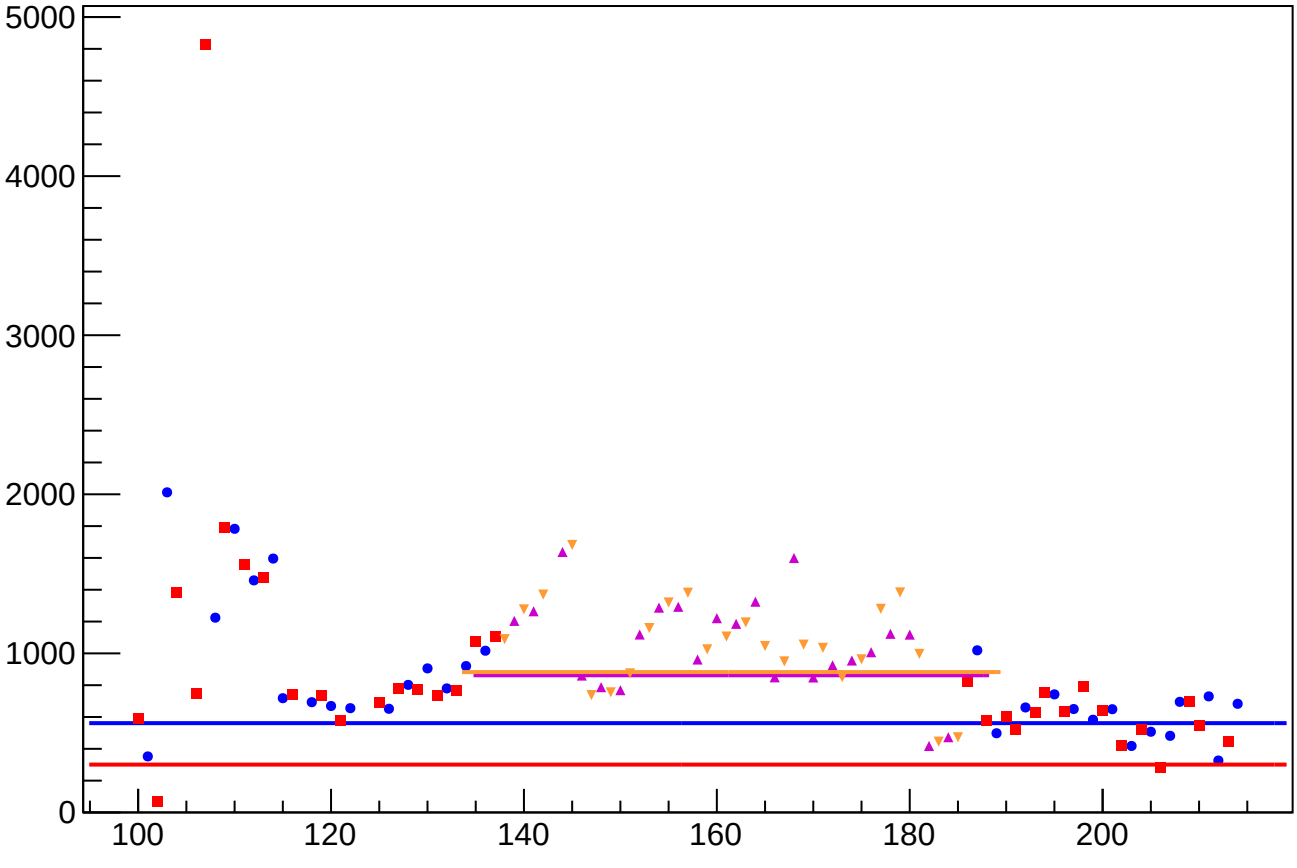
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -56.055+/-81.927 χ^2/NDF: 93.5/62

In: -239.081+/-119.029 χ^2/NDF:52.2/52

Out: 5.618+/-90.979 χ^2/NDF:84.9/56

All: -84.622+/-72.283 χ^2/NDF: 139.8/109



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

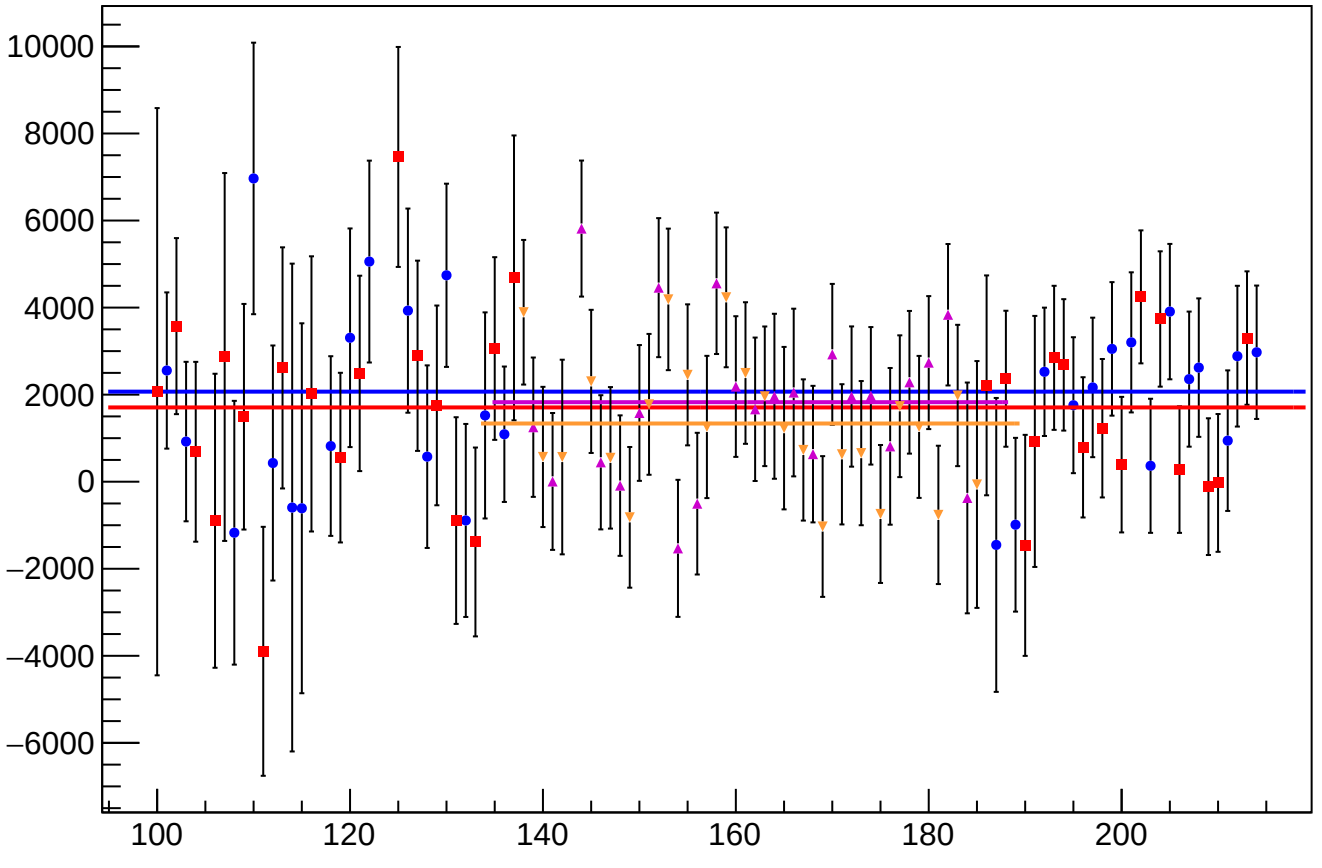
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 386.747+/-0.058 χ^2/NDF: 25669968.6/62

In: 652.795+/-0.084 χ^2/NDF:11567870.4/52

Out: 401.742+/-0.064 χ^2/NDF:32328307.7/56

All: 494.325+/-0.051 χ^2/NDF: 49512346.4/10



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

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

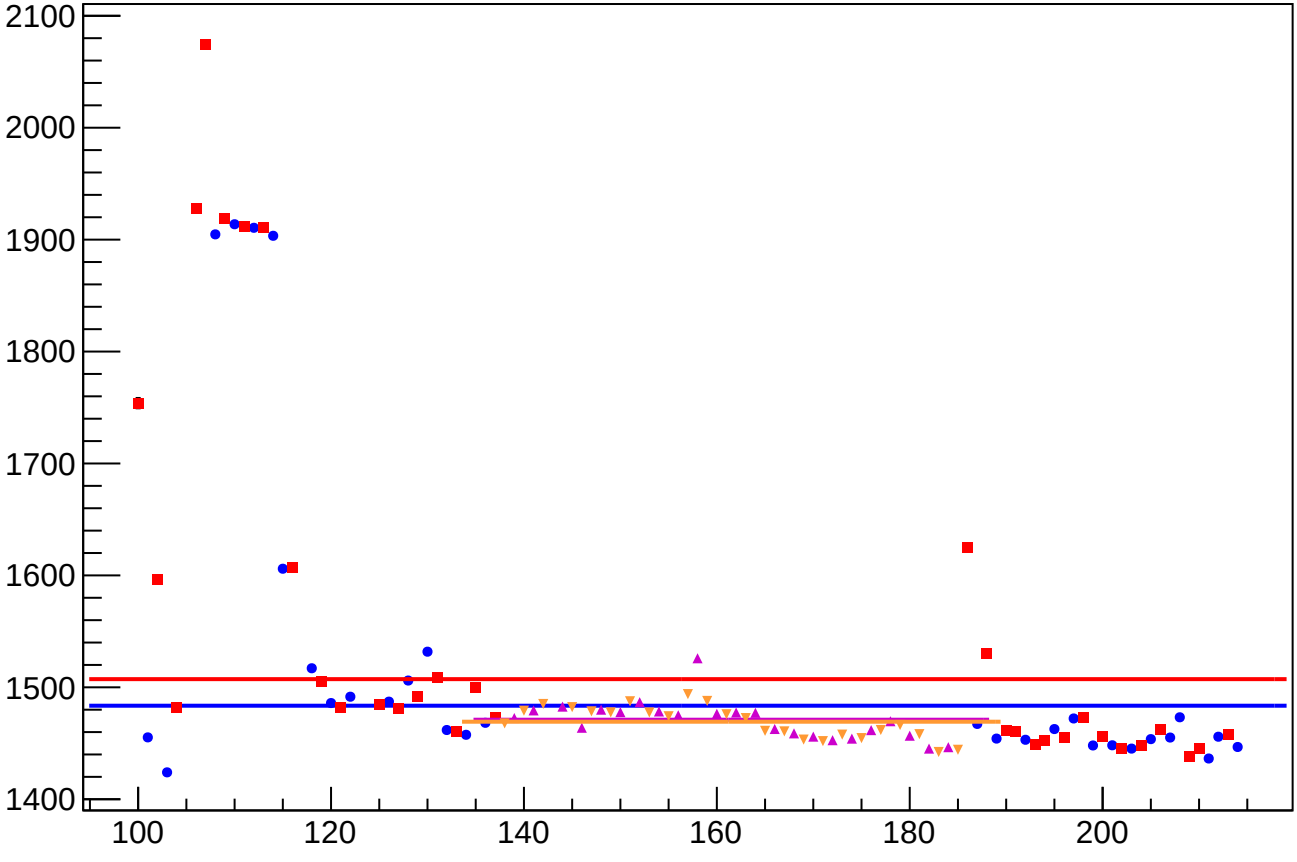
Right: 1888.117+/-245.732 χ^2/NDF: 50.3/62

In: 1946.584+/-244.148 χ^2/NDF:47.4/52

Out: 1517.948+/-243.543 χ^2/NDF:48.9/56

All: 1731.734+/-172.424 χ^2/NDF: 97.8/109

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

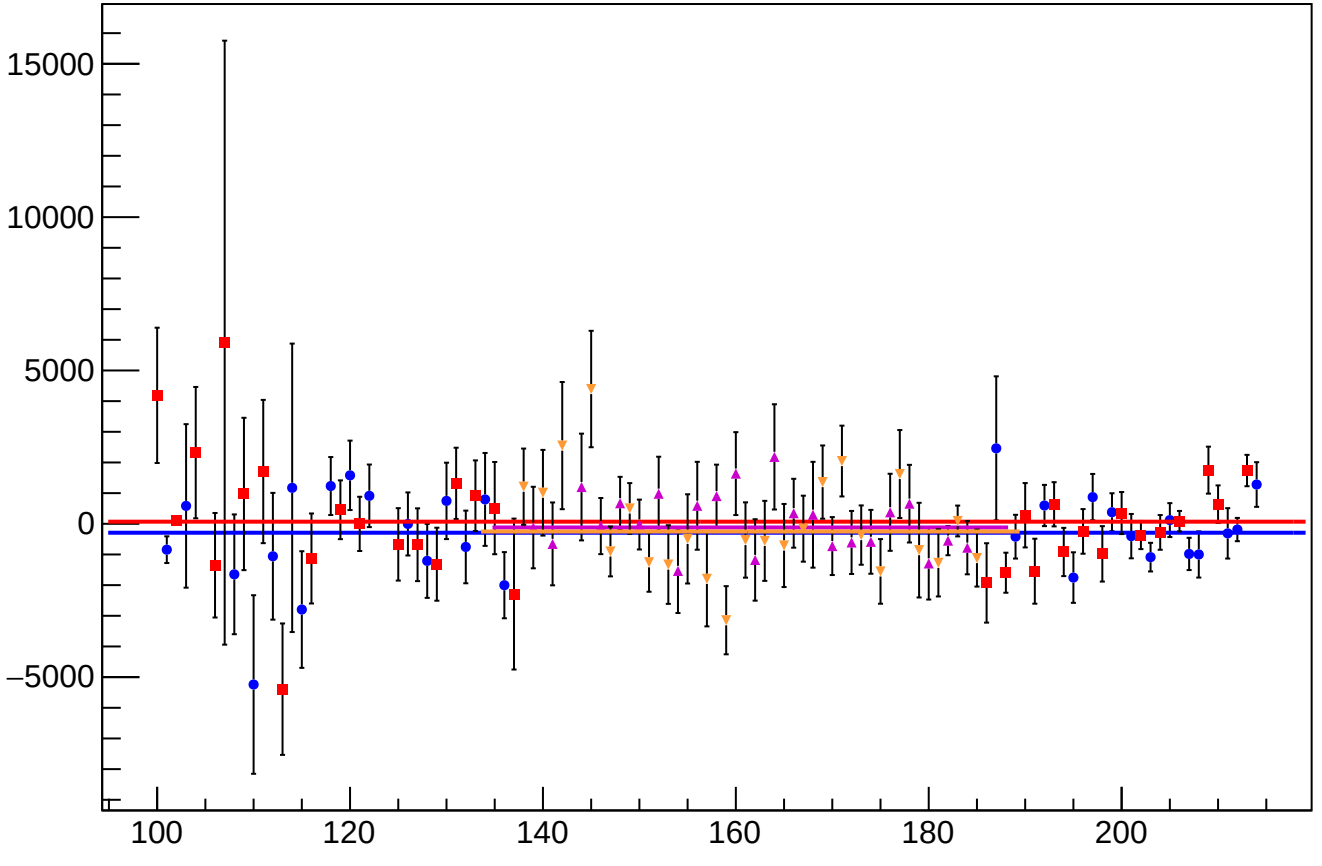
Right: 1495.407+/-0.174 χ^2/NDF: 403892.0/62

In: 1477.244+/-0.173 χ^2/NDF:160632.6/52

Out: 1487.905+/-0.172 χ^2/NDF:259895.7/56

All: 1482.587+/-0.122 χ^2/NDF: 422439.9/109

asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected



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

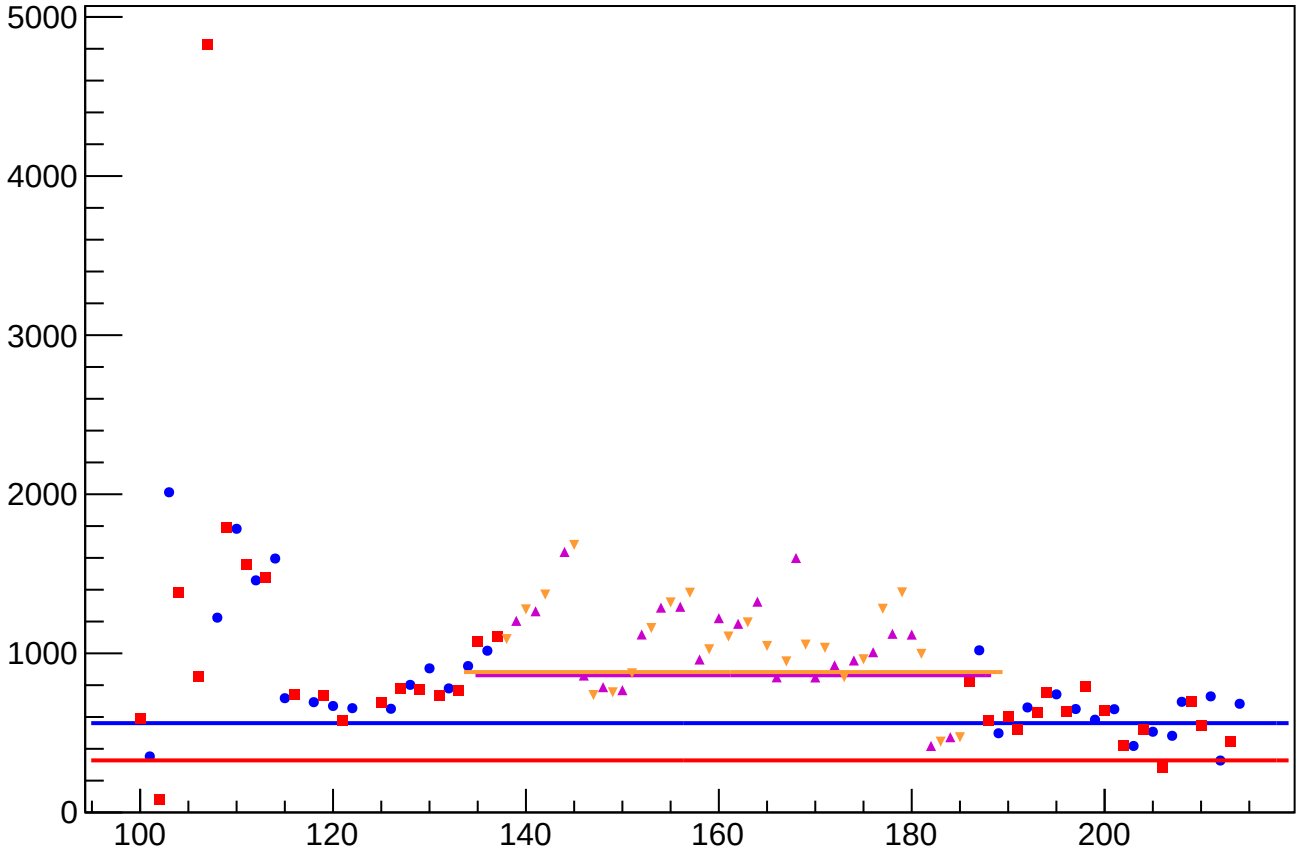
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -57.173+/-84.494 χ^2/NDF: 94.3/62

In: -239.102+/-119.027 χ^2/NDF:52.2/52

Out: 9.144+/-94.535 χ^2/NDF:85.7/56

All: -86.879+/-74.028 χ^2/NDF: 140.6/109



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

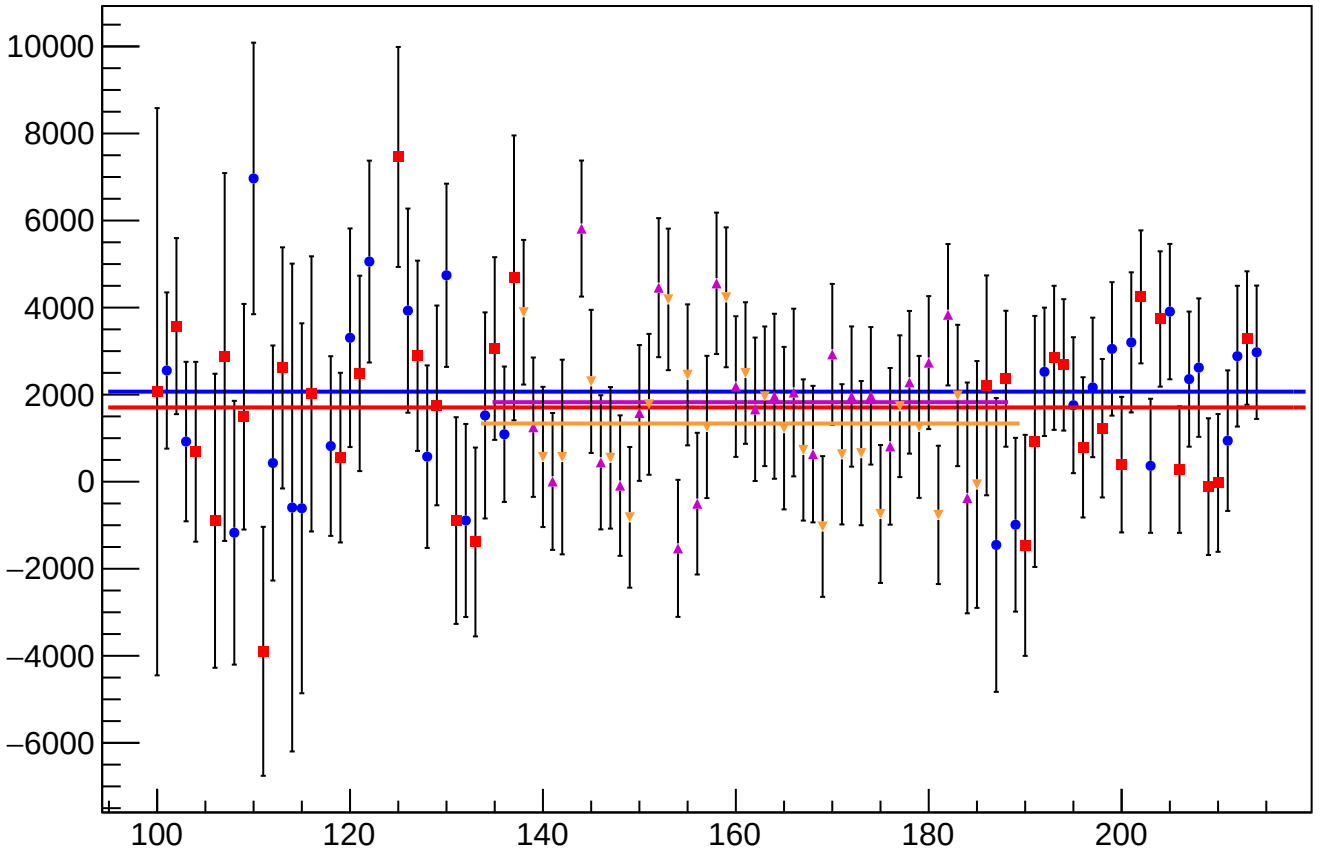
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 409.379+/-0.060 χ^2/NDF: 23226799.9/62

In: 652.781+/-0.084 χ^2/NDF:11568789.6/52

Out: 431.272+/-0.067 χ^2/NDF:29639249.5/56

All: 516.953+/-0.052 χ^2/NDF: 45455384.7/10



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

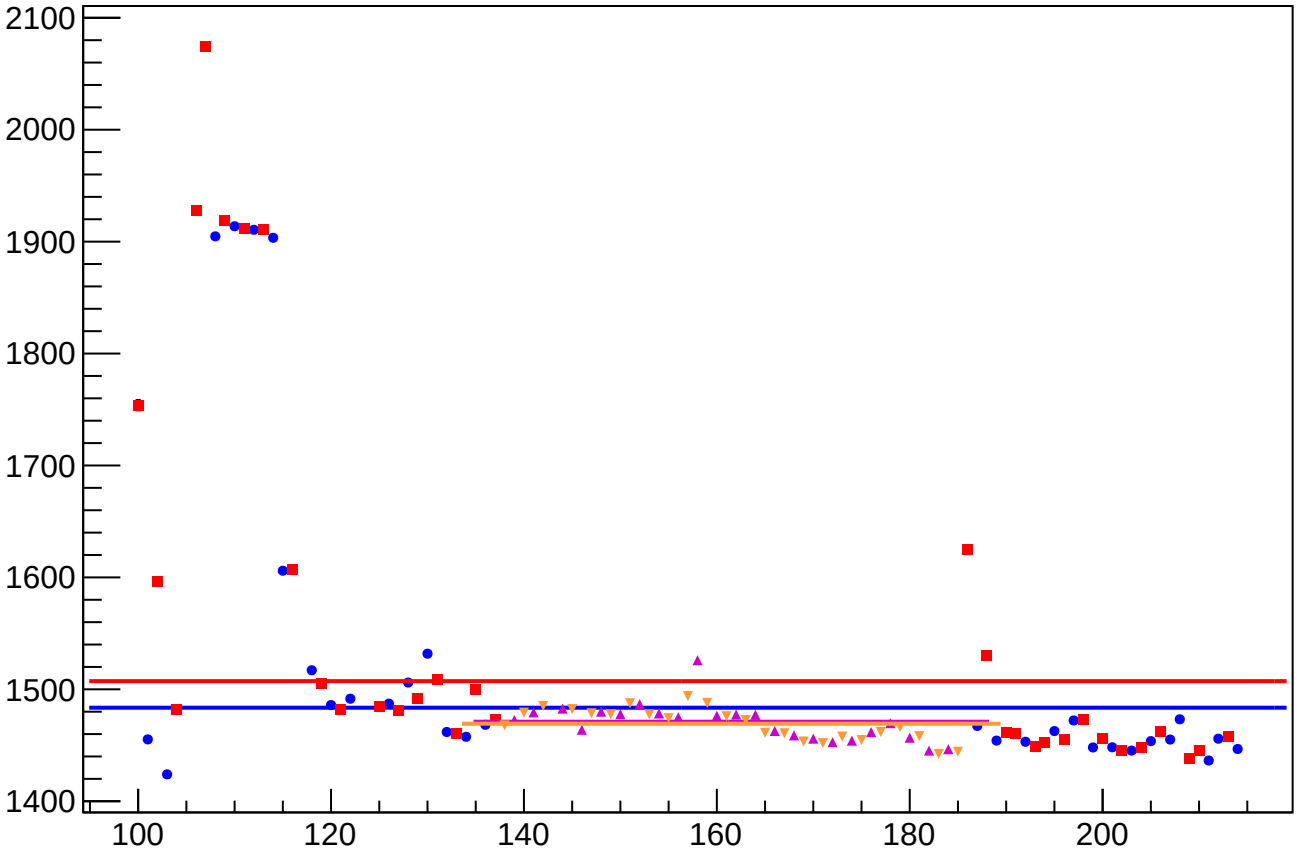
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1888.117+/-245.732 χ^2/NDF: 50.3/62

In: 1946.584+/-244.148 χ^2/NDF:47.4/52

Out: 1517.948+/-243.543 χ^2/NDF:48.9/56

All: 1731.734+/-172.424 χ^2/NDF: 97.8/109



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

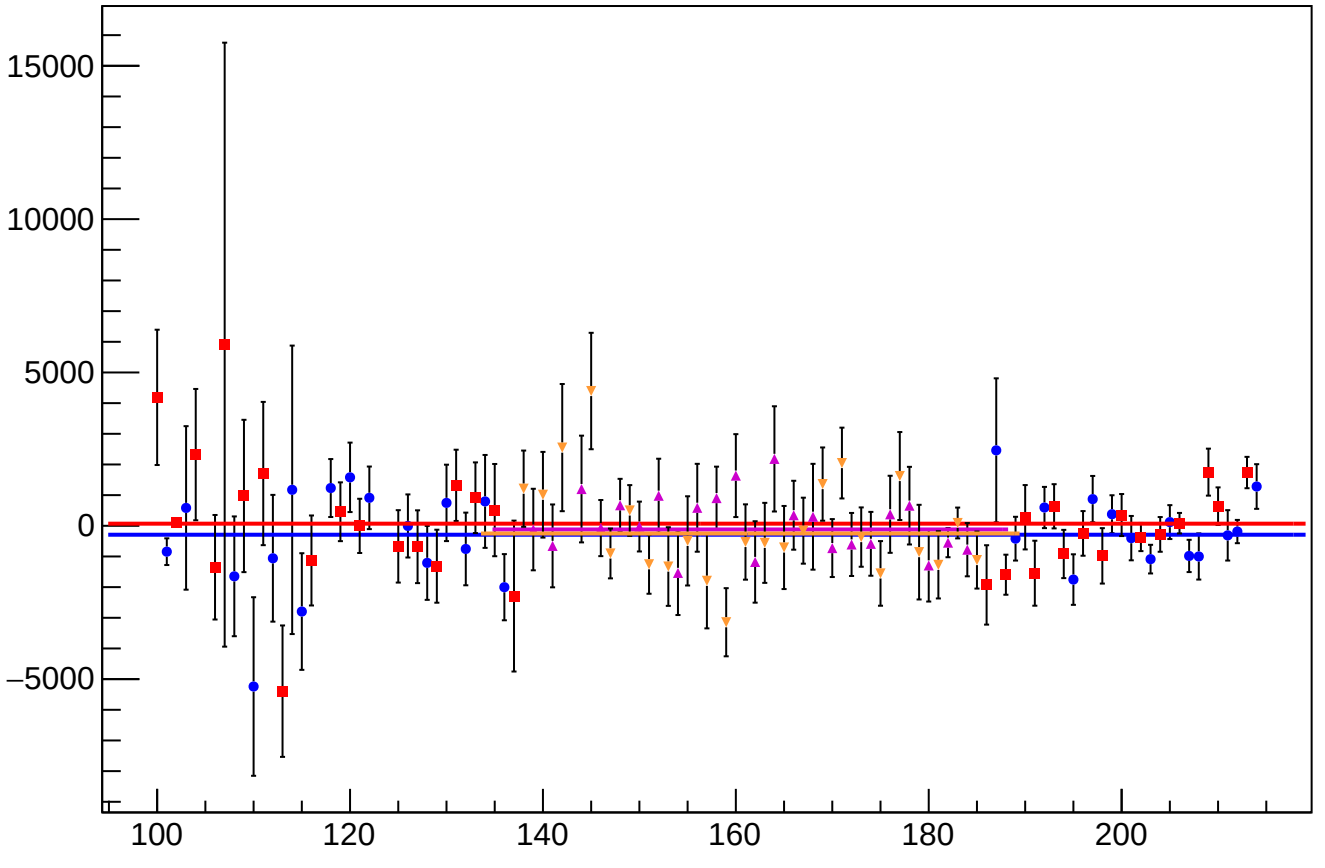
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1495.407+/-0.174 χ^2/NDF: 403892.0/62

In: 1477.244+/-0.173 χ^2/NDF:160632.6/52

Out: 1487.905+/-0.172 χ^2/NDF:259895.7/56

All: 1482.587+/-0.122 χ^2/NDF: 422439.9/109



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

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

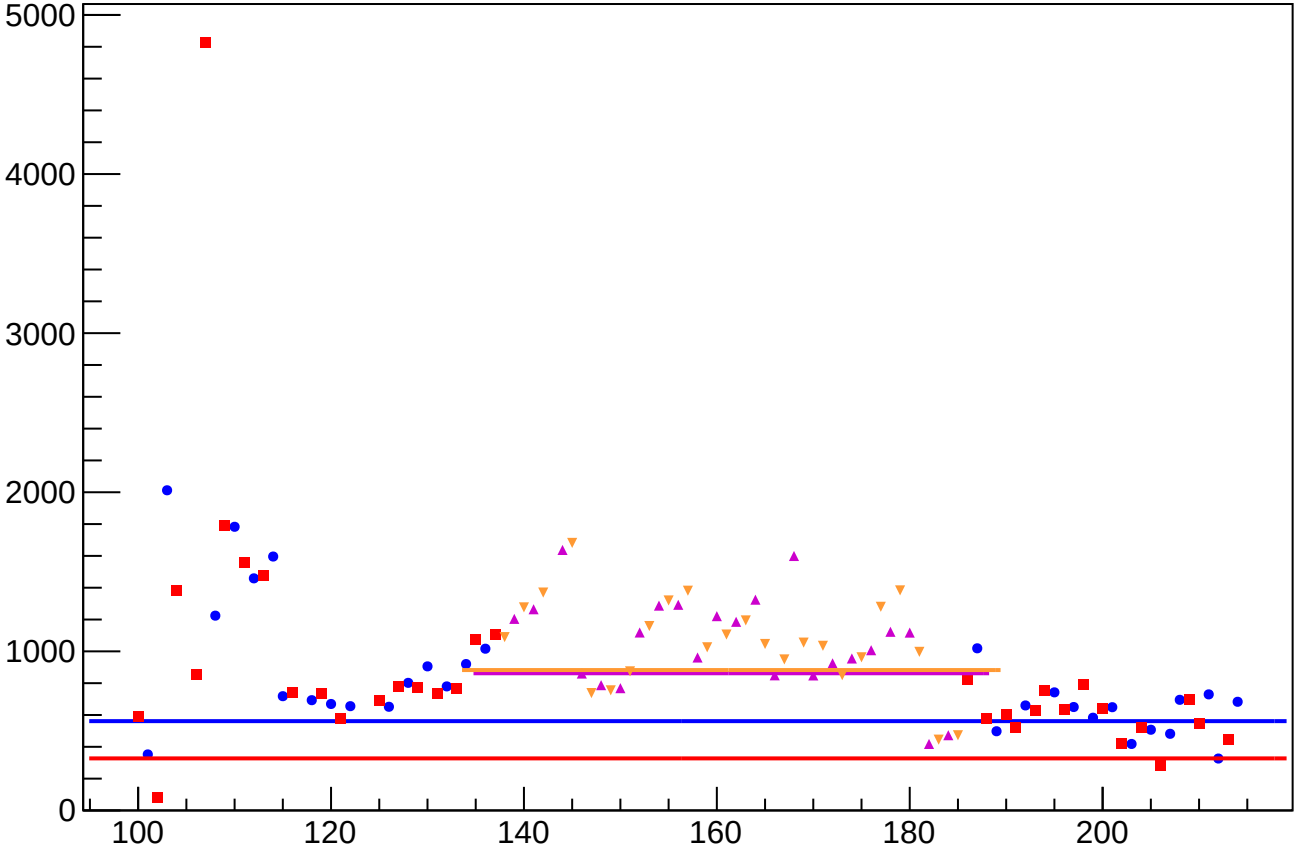
Right: -57.173+/-84.494 χ^2/NDF: 94.3/62

In: -239.102+/-119.027 χ^2/NDF:52.2/52

Out: 9.144+/-94.535 χ^2/NDF:85.7/56

All: -86.879+/-74.028 χ^2/NDF: 140.6/109

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

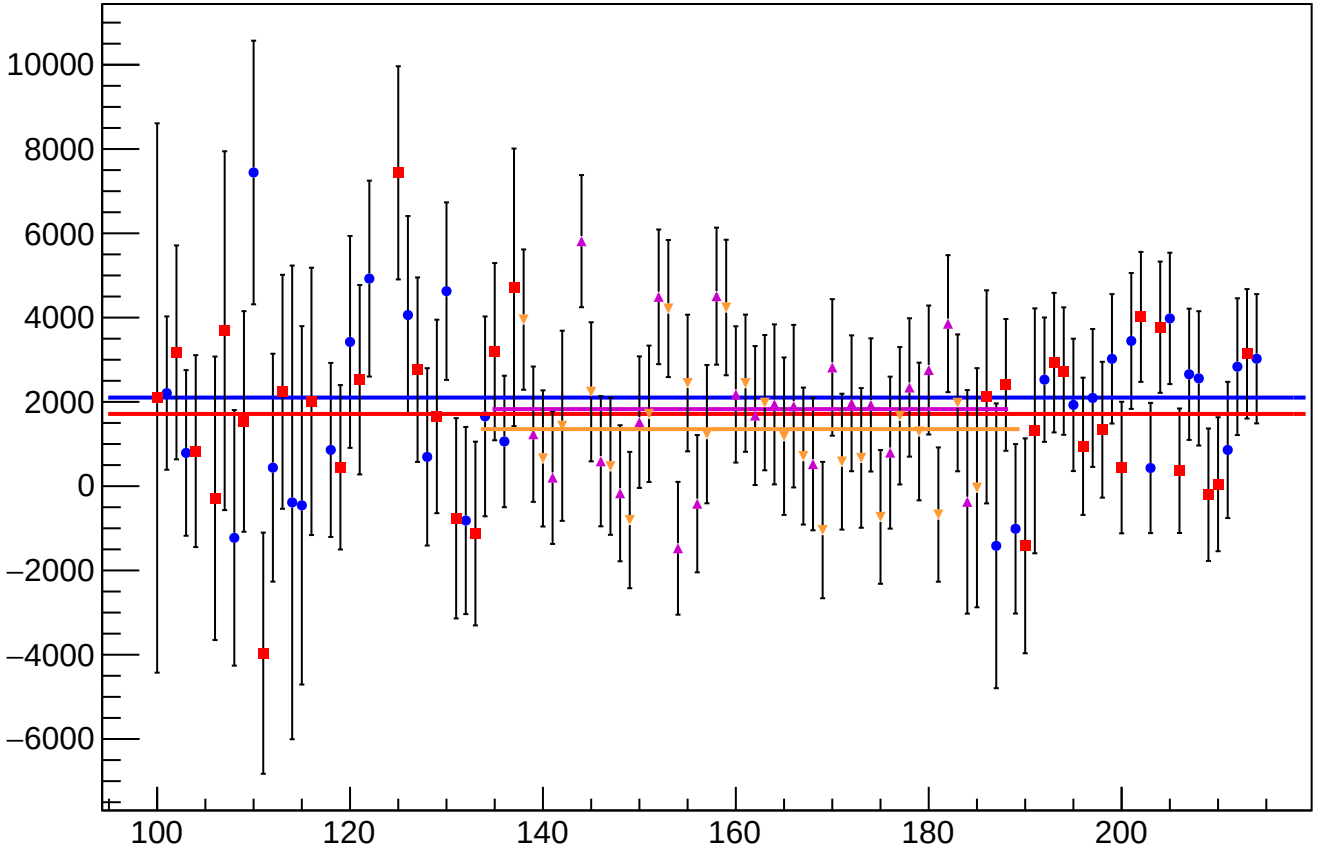
Right: 409.379+/-0.060 χ^2/NDF: 23226799.9/62

In: 652.781+/-0.084 χ^2/NDF:11568789.6/52

Out: 431.272+/-0.067 χ^2/NDF:29639249.5/56

All: 516.953+/-0.052 χ^2/NDF: 45455384.7/10

dit_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



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

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

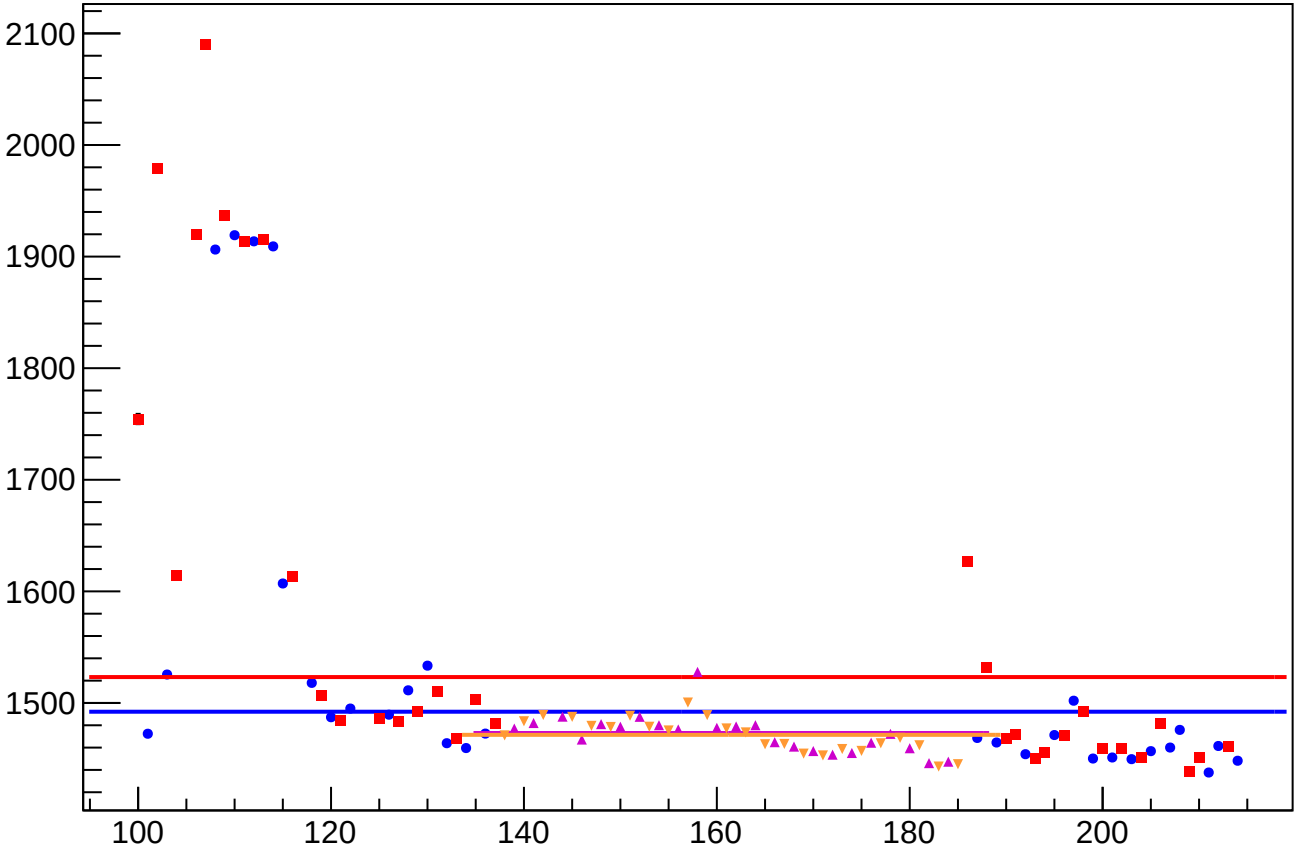
Right: 1909.719+/-247.969 χ^2/NDF: 48.6/62

In: 1963.214+/-245.032 χ^2/NDF:47.2/52

Out: 1528.189+/-245.206 χ^2/NDF:46.5/56

All: 1745.856+/-173.325 χ^2/NDF: 95.2/109

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

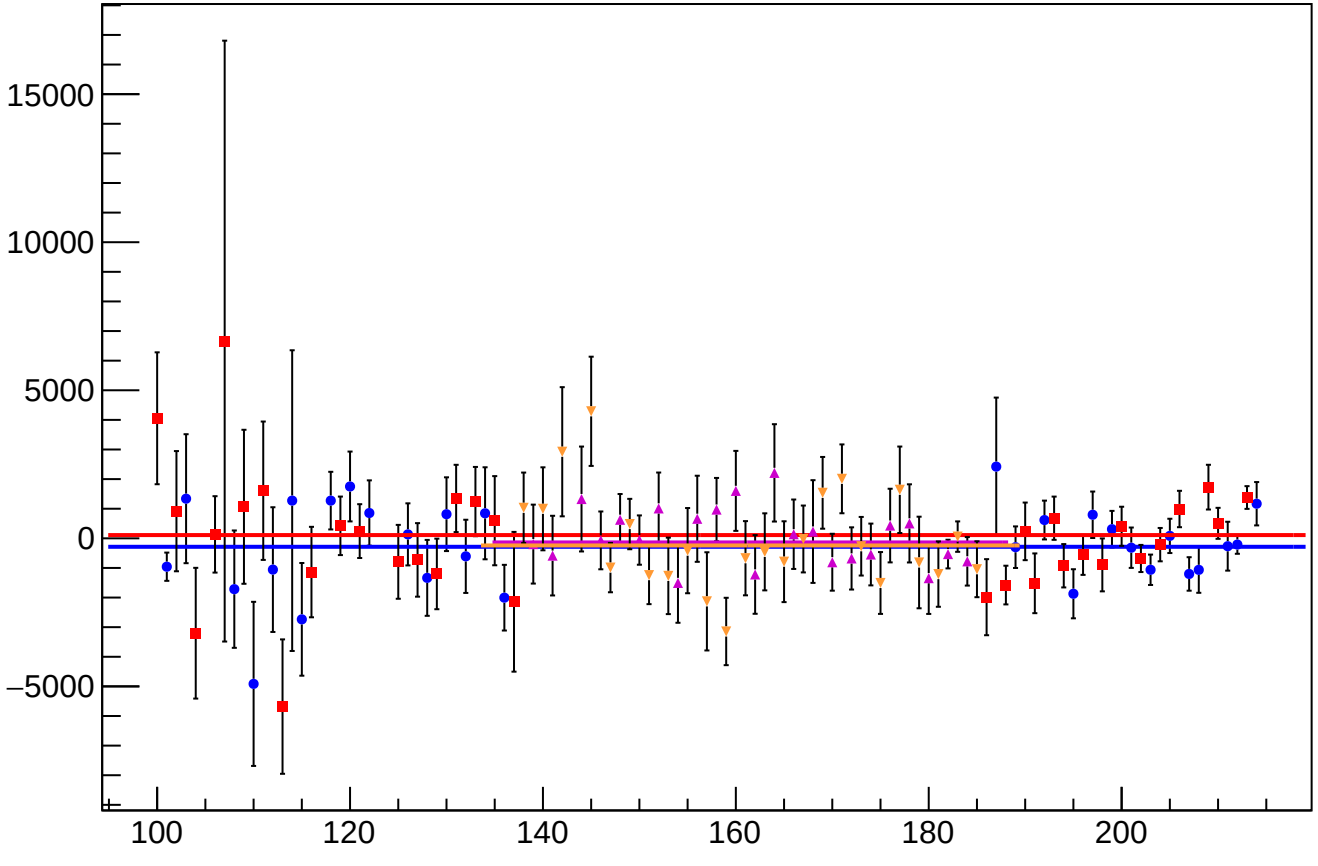
Right: 1507.542+/-0.175 χ^2/NDF: 467620.4/62

In: 1482.457+/-0.173 χ^2/NDF:159755.5/52

Out: 1496.525+/-0.173 χ^2/NDF:333515.7/56

All: 1489.486+/-0.123 χ^2/NDF: 496565.3/109

asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected



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

Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

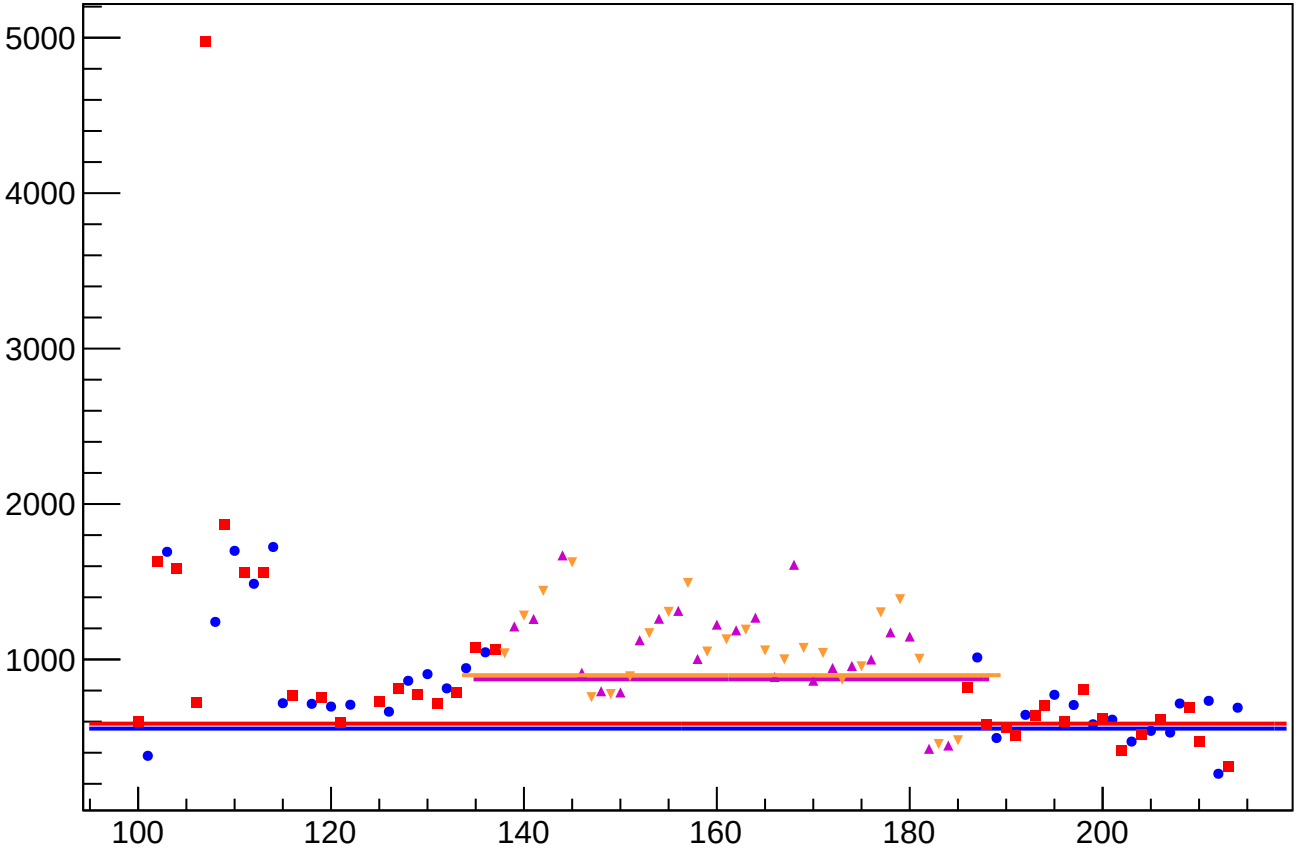
Right: -96.196+/-102.258 χ^2/NDF: 100.4/62

In: -242.140+/-118.863 χ^2/NDF:52.4/52

Out: 2.337+/-122.968 χ^2/NDF:91.8/56

All: -124.050+/-85.463 χ^2/NDF: 146.2/109

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



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

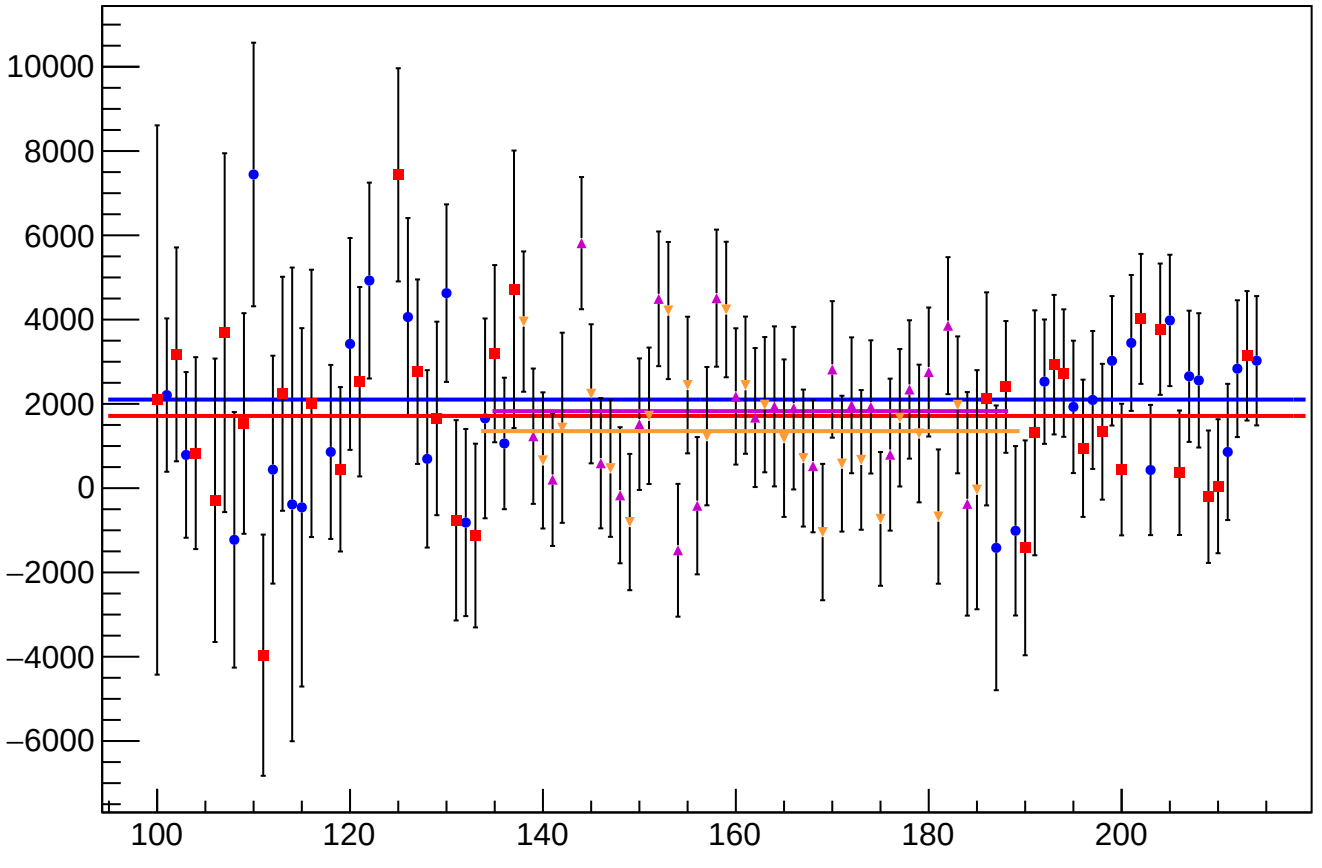
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 570.472+/-0.072 χ^2/NDF: 10240459.4/62

In: 649.068+/-0.084 χ^2/NDF:12747303.6/52

Out: 682.968+/-0.087 χ^2/NDF:11377647.7/56

All: 665.443+/-0.060 χ^2/NDF: 24203534.6/10



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

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

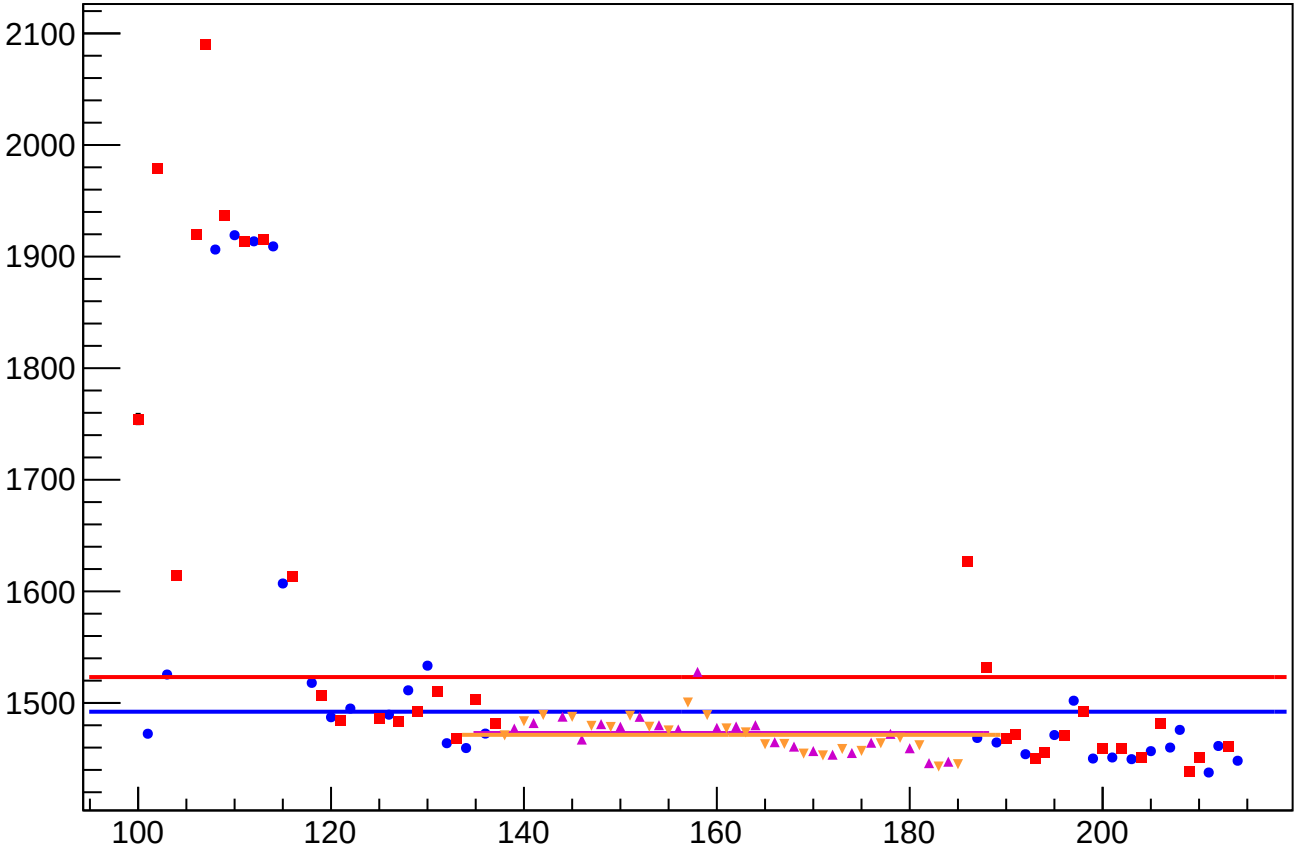
Right: 1909.718+/-247.969 χ^2/NDF: 48.6/62

In: 1963.214+/-245.032 χ^2/NDF:47.2/52

Out: 1528.188+/-245.206 χ^2/NDF:46.5/56

All: 1745.856+/-173.325 χ^2/NDF: 95.2/109

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

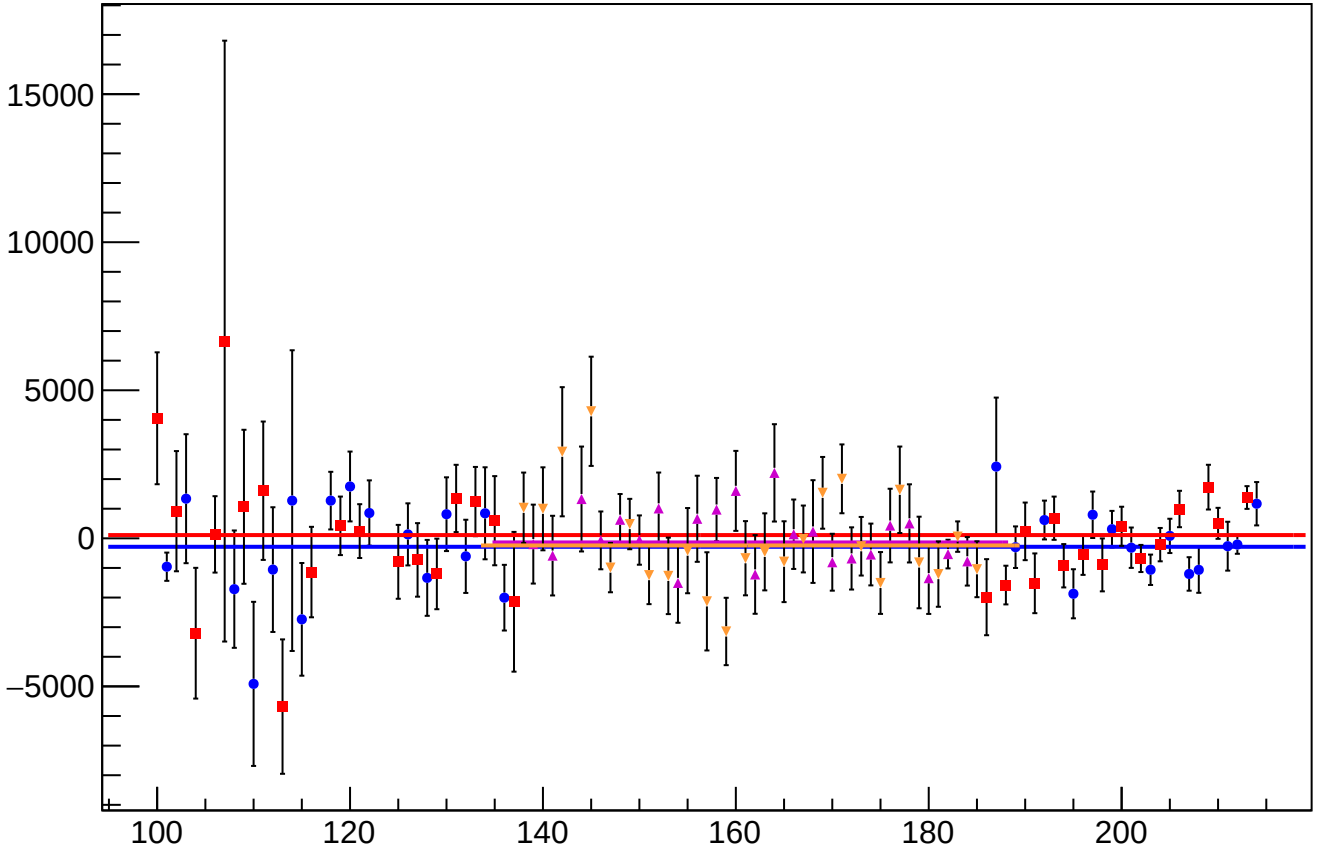
Right: 1507.542+/-0.175 χ^2/NDF: 467619.8/62

In: 1482.457+/-0.173 χ^2/NDF:159755.3/52

Out: 1496.525+/-0.173 χ^2/NDF:333515.1/56

All: 1489.486+/-0.123 χ^2/NDF: 496564.6/109

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

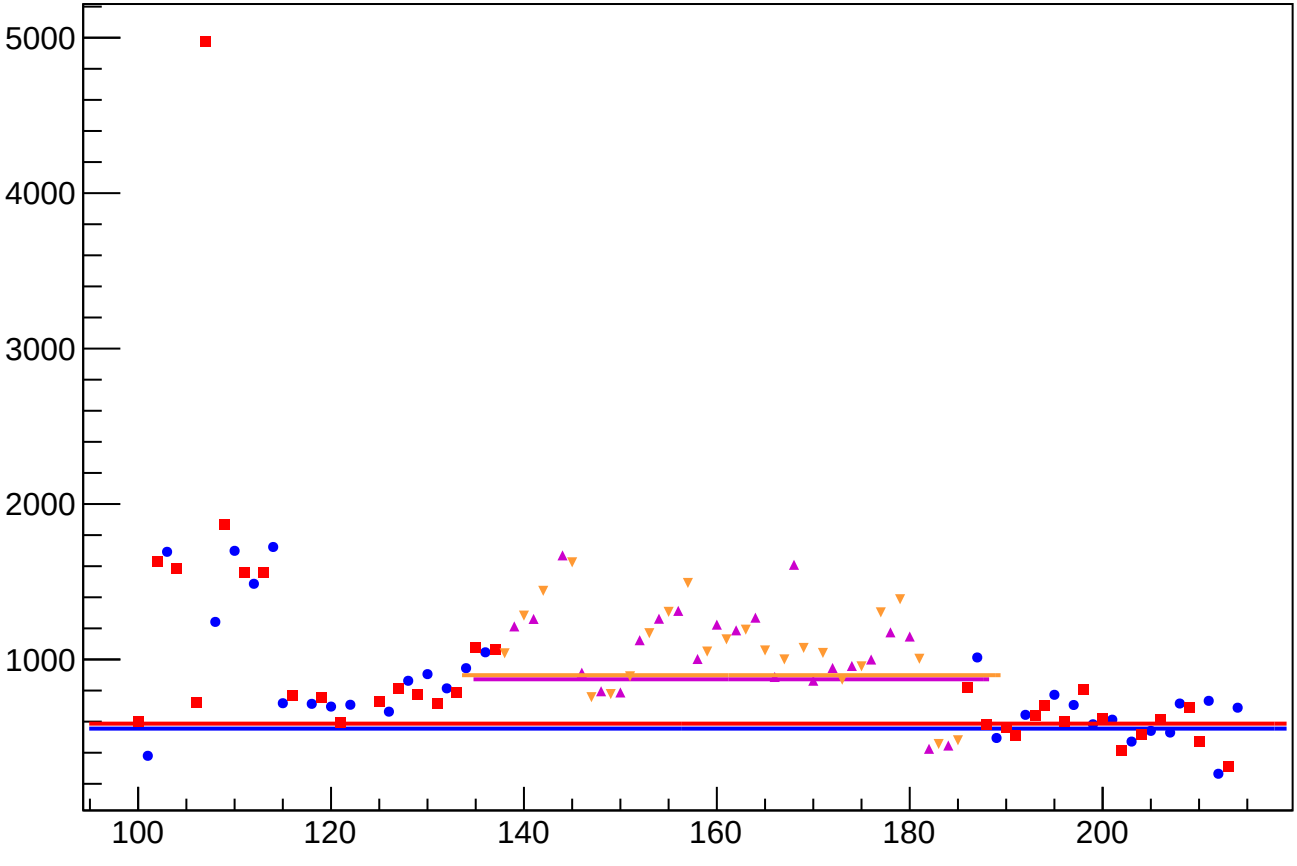
Right: -96.196+/-102.258 χ^2/NDF: 100.4/62

In: -242.140+/-118.863 χ^2/NDF:52.4/52

Out: 2.337+/-122.968 χ^2/NDF:91.8/56

All: -124.050+/-85.463 χ^2/NDF: 146.2/109

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

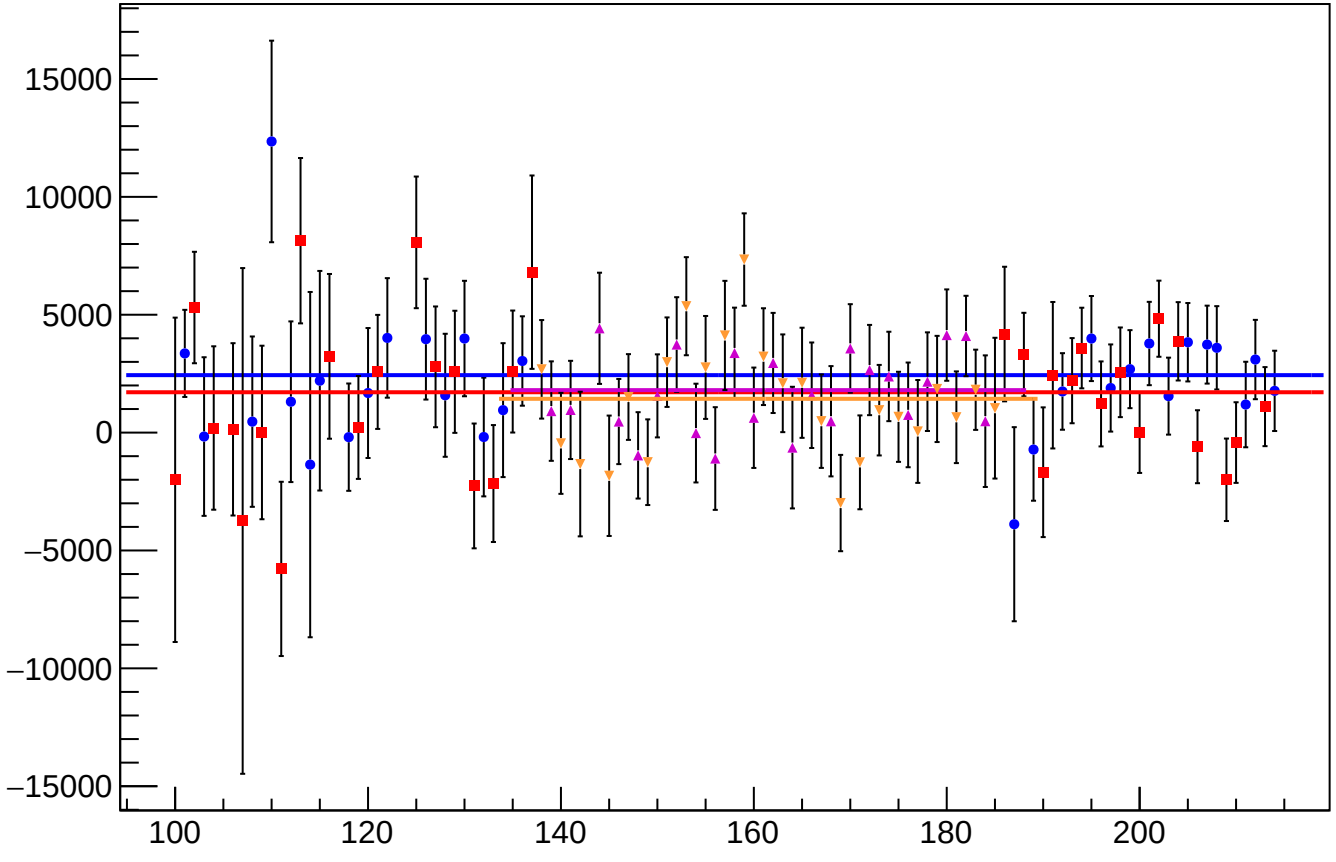
Right: 570.472+/-0.072 χ^2/NDF: 10240453.0/62

In: 649.068+/-0.084 χ^2/NDF:12747313.5/52

Out: 682.969+/-0.087 χ^2/NDF:11377660.0/56

All: 665.443+/-0.060 χ^2/NDF: 24203556.8/10

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



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

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

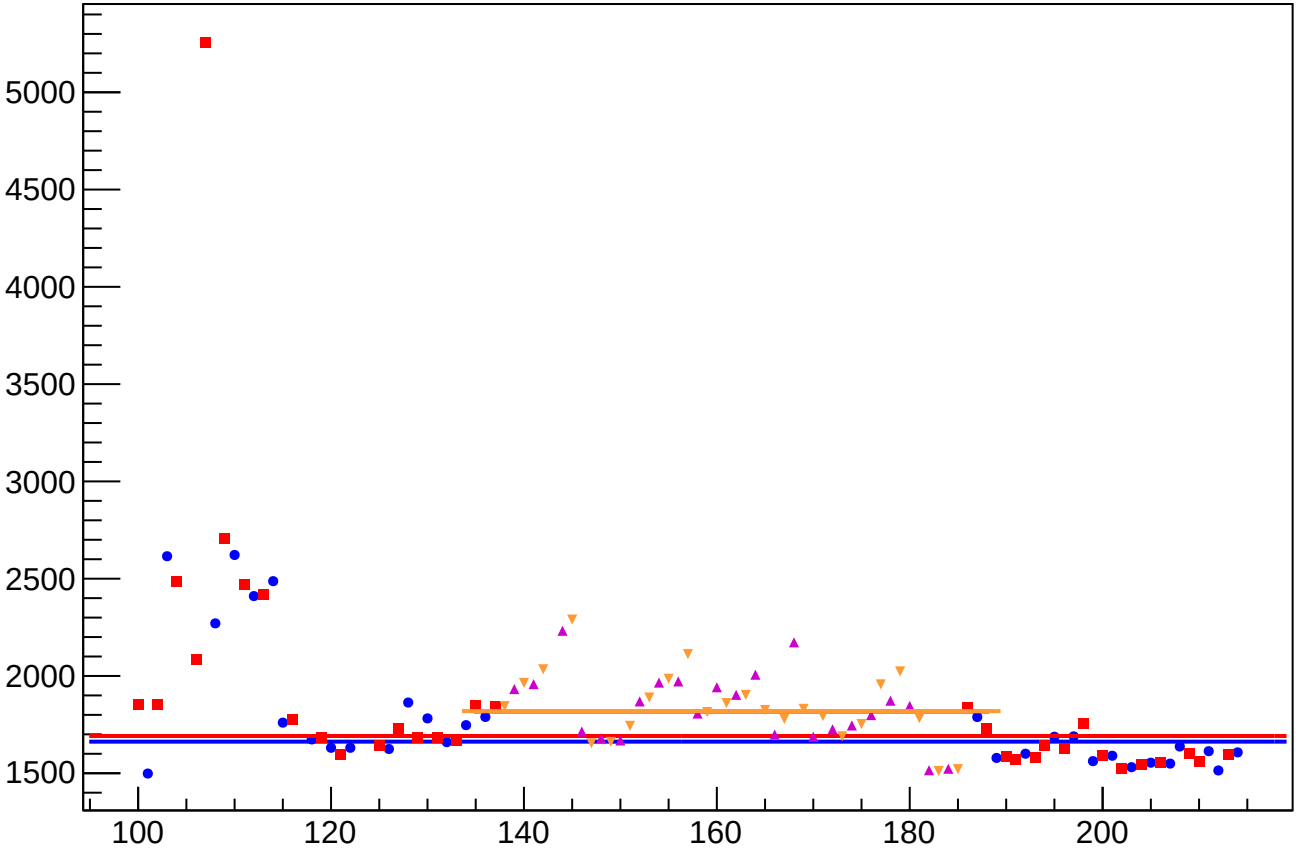
Right: 2076.985+/-277.627 χ^2/NDF: 64.7/62

In: 2146.747+/-288.342 χ^2/NDF:36.4/52

Out: 1582.924+/-288.742 χ^2/NDF:72.7/56

All: 1865.226+/-204.030 χ^2/NDF: 111.1/109

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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

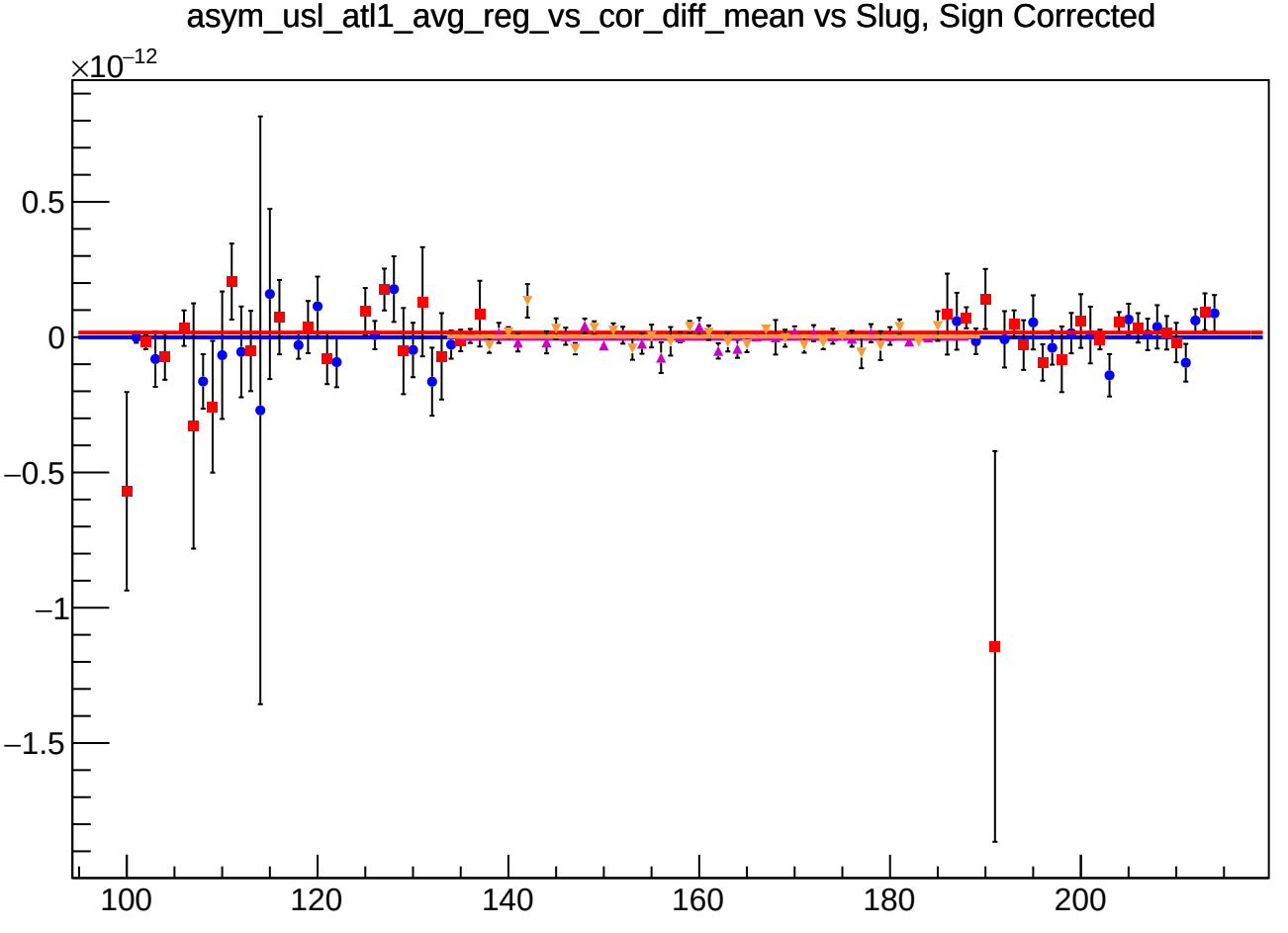
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1676.865+/-0.196 χ^2/NDF: 1370436.2/62

In: 1733.132+/-0.204 χ^2/NDF:1004198.3/52

Out: 1750.705+/-0.204 χ^2/NDF:1203347.8/56

All: 1741.906+/-0.144 χ^2/NDF: 2211255.3/10



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

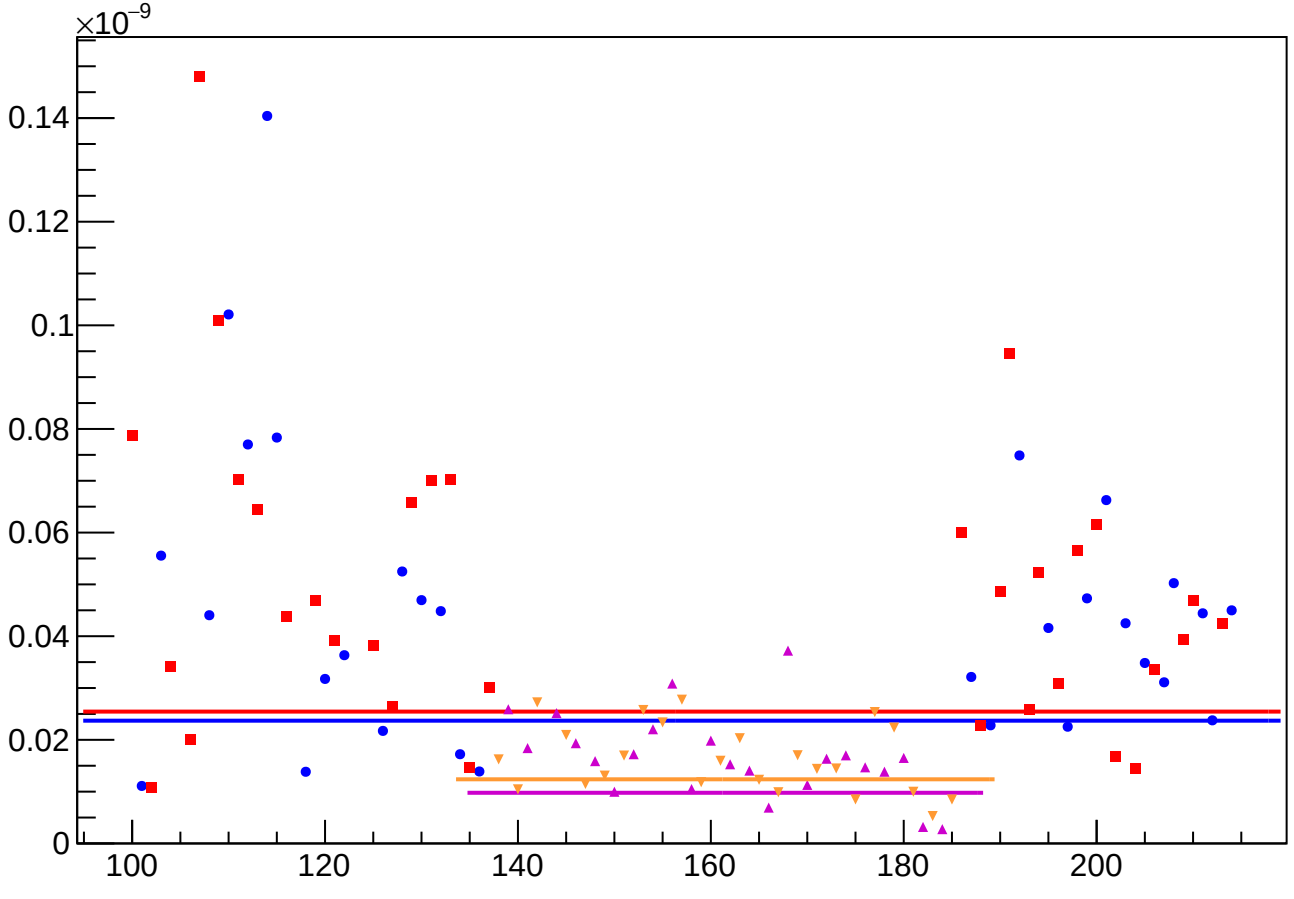
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 54.5/62

In: -0.000+/-0.000 χ^2/NDF:40.3/52

Out: 0.000+/-0.000 χ^2/NDF:61.8/56

All: -0.000+/-0.000 χ^2/NDF: 104.3/109



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

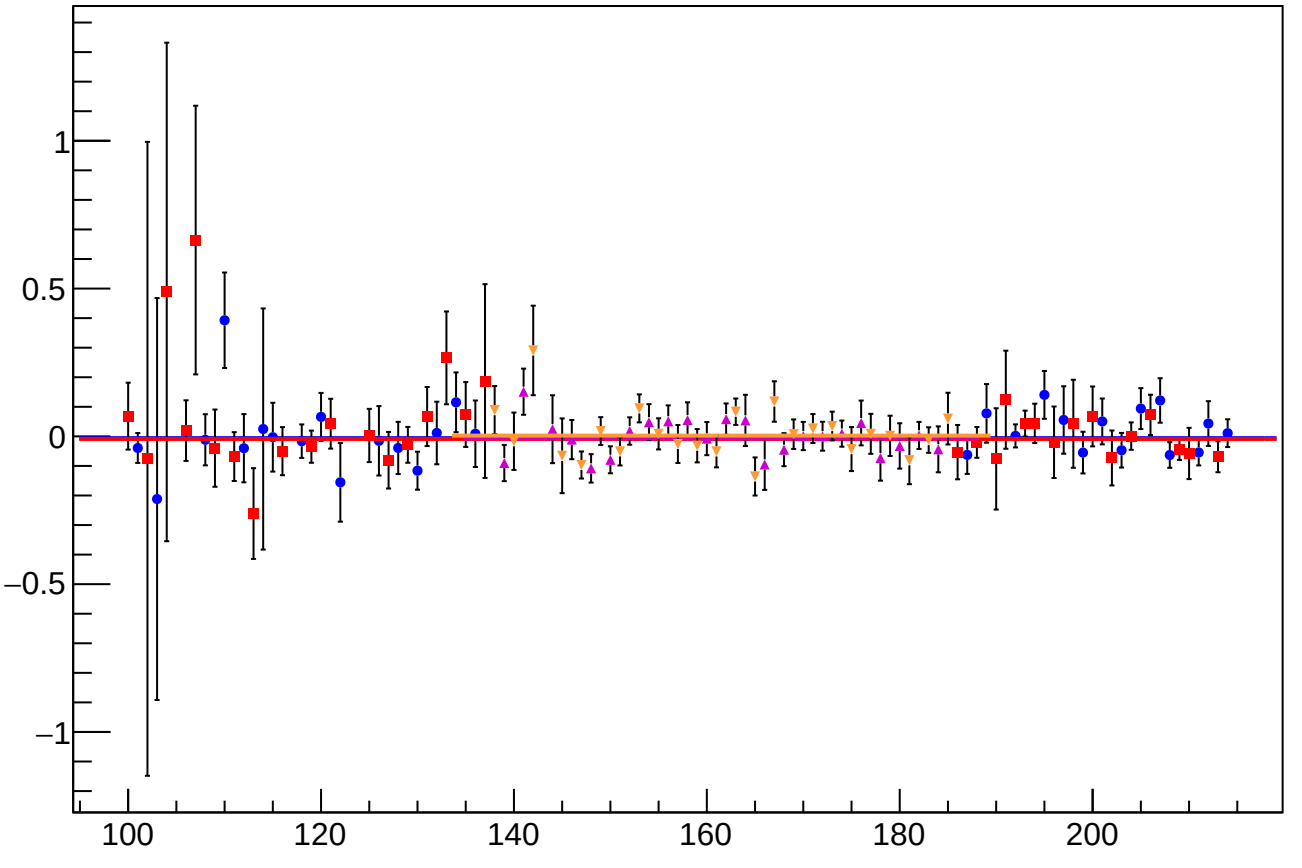
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 7940664.8/62

In: 0.000+/-0.000 χ^2/NDF:11607117.5/52

Out: 0.000+/-0.000 χ^2/NDF:7754869.9/56

All: 0.000+/-0.000 χ^2/NDF: 19703494.6/109



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

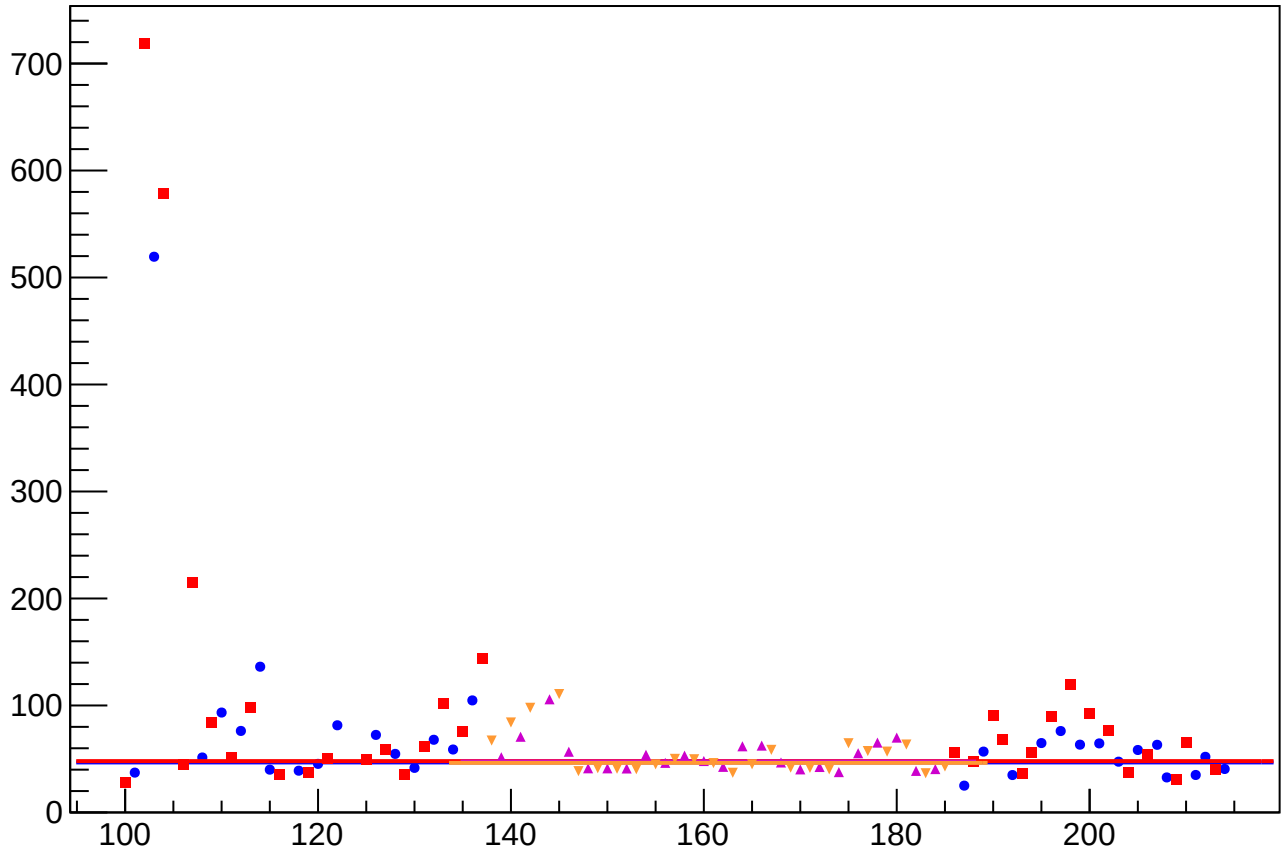
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.007+/-0.009 χ^2/NDF: 49.2/62

In: -0.006+/-0.009 χ^2/NDF:50.0/52

Out: -0.002+/-0.009 χ^2/NDF:51.1/56

All: -0.004+/-0.006 χ^2/NDF: 101.2/109



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

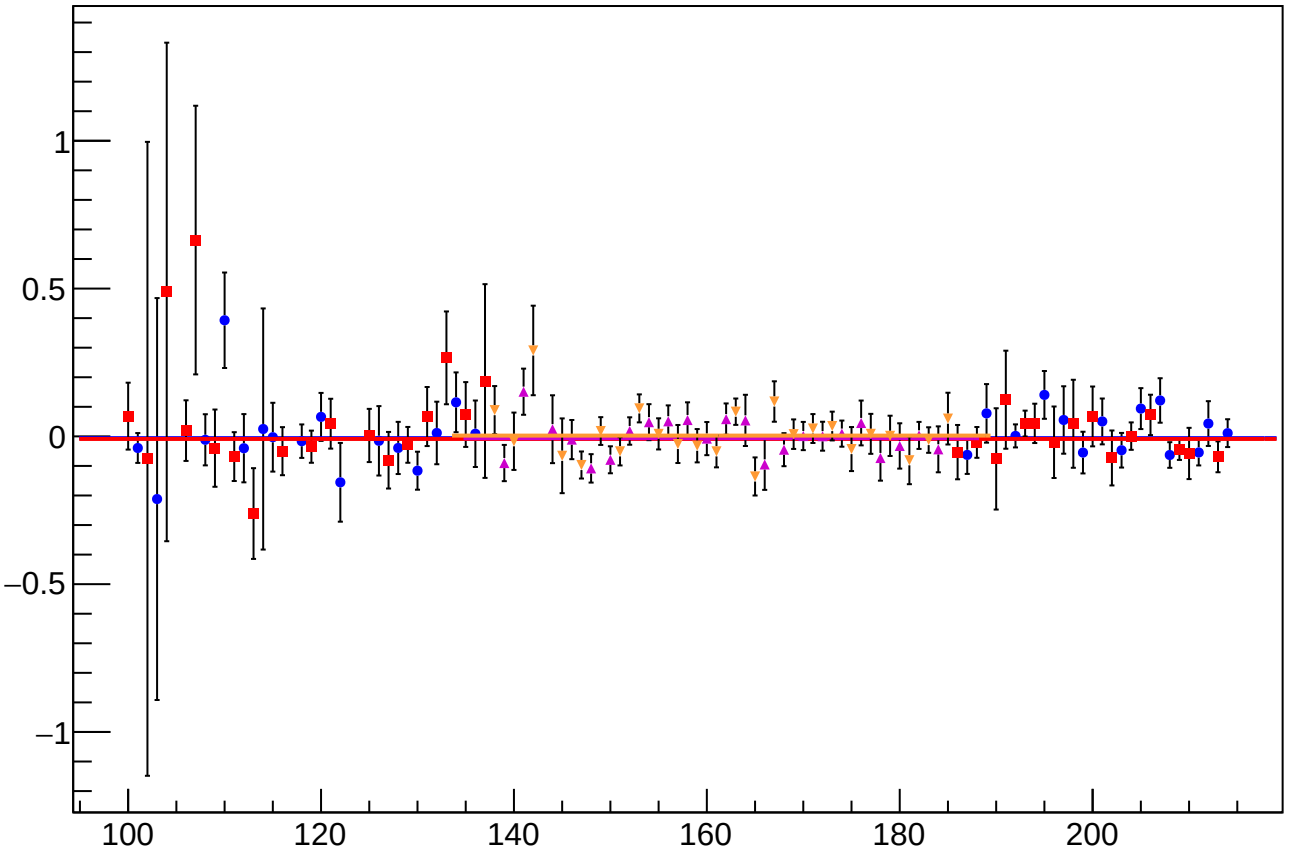
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 47.347+/-0.007 χ^2/NDF: 9214921.3/62

In: 47.201+/-0.006 χ^2/NDF:5390592.6/52

Out: 47.056+/-0.006 χ^2/NDF:7380293.1/56

All: 47.129+/-0.004 χ^2/NDF: 12771149.5/109



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

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

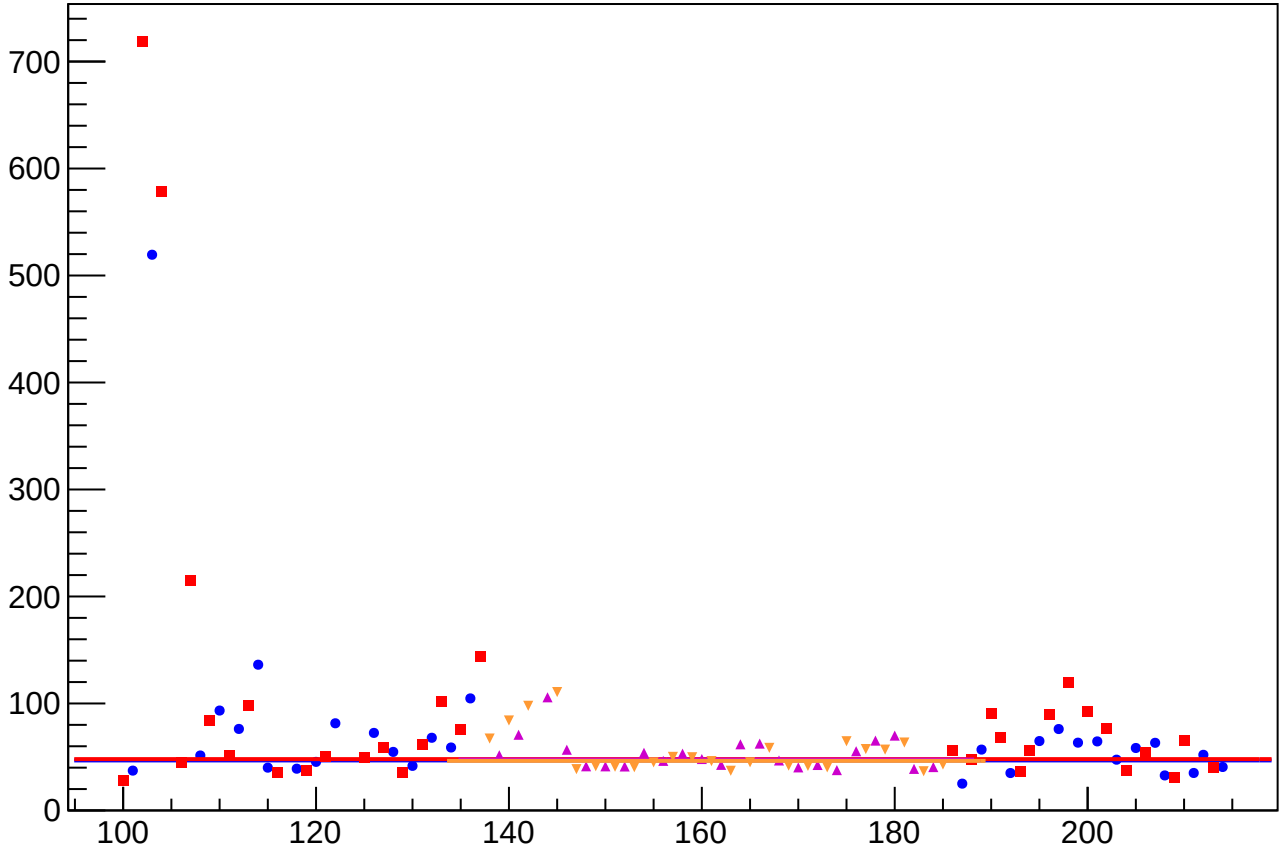
Right: -0.007+/-0.009 χ^2/NDF: 49.2/62

In: -0.006+/-0.009 χ^2/NDF:50.0/52

Out: -0.002+/-0.009 χ^2/NDF:51.1/56

All: -0.004+/-0.006 χ^2/NDF: 101.2/109

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

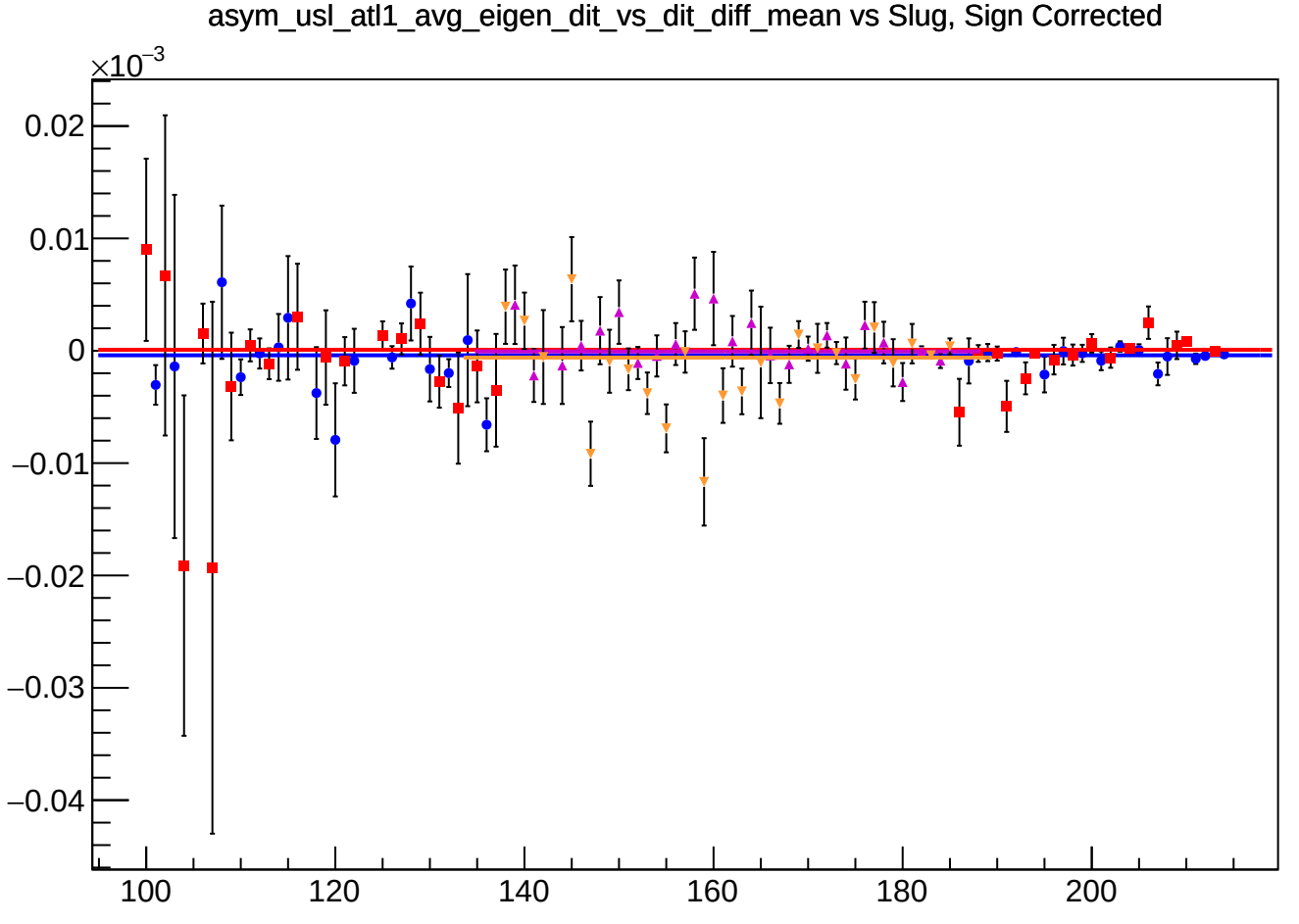
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 47.347+/-0.007 χ^2/NDF: 9214921.3/62

In: 47.201+/-0.006 χ^2/NDF:5390592.6/52

Out: 47.056+/-0.006 χ^2/NDF:7380293.1/56

All: 47.129+/-0.004 χ^2/NDF: 12771149.5/109



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

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

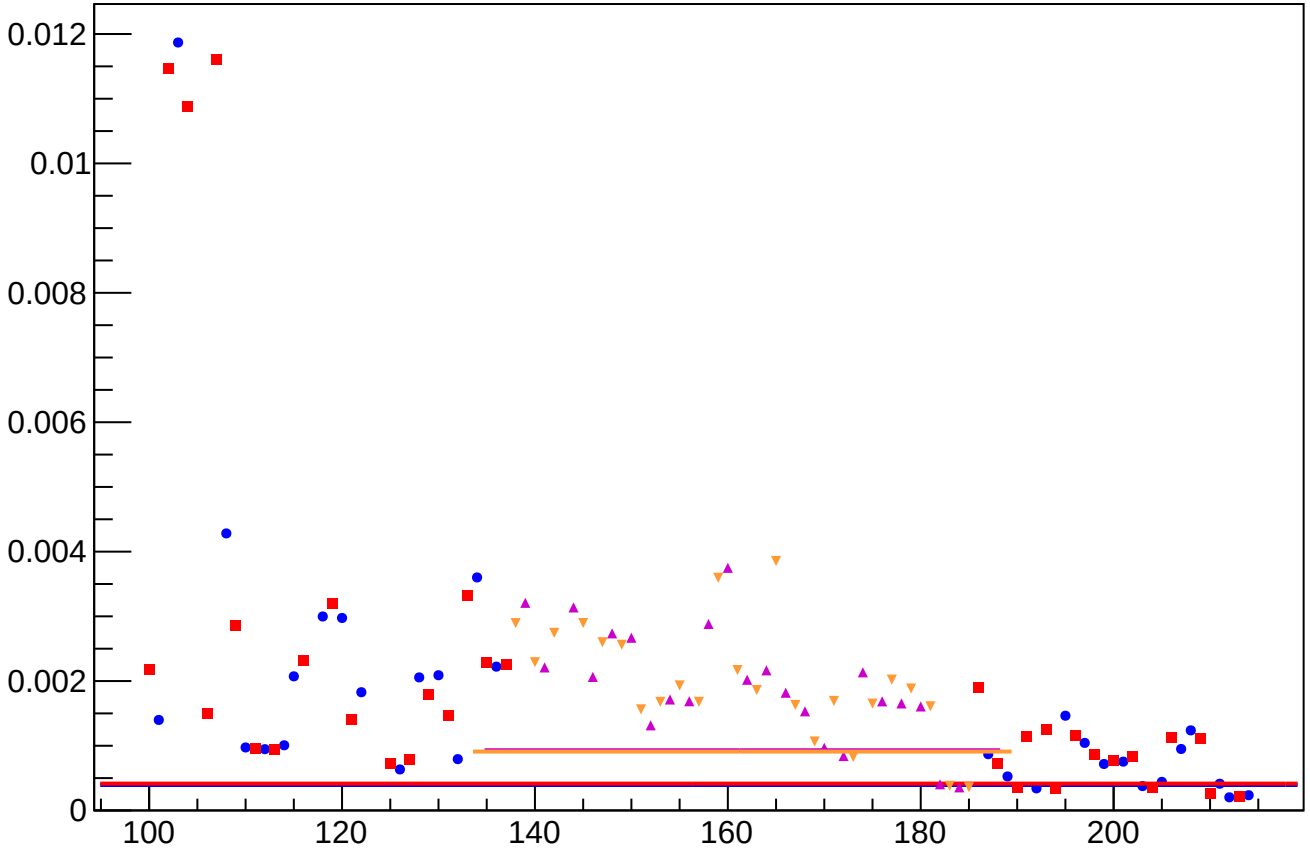
Right: -0.000+/-0.000 χ^2/NDF: 71.3/62

In: -0.000+/-0.000 χ^2/NDF:47.4/52

Out: -0.000+/-0.000 χ^2/NDF:94.9/56

All: -0.000+/-0.000 χ^2/NDF: 145.7/109

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

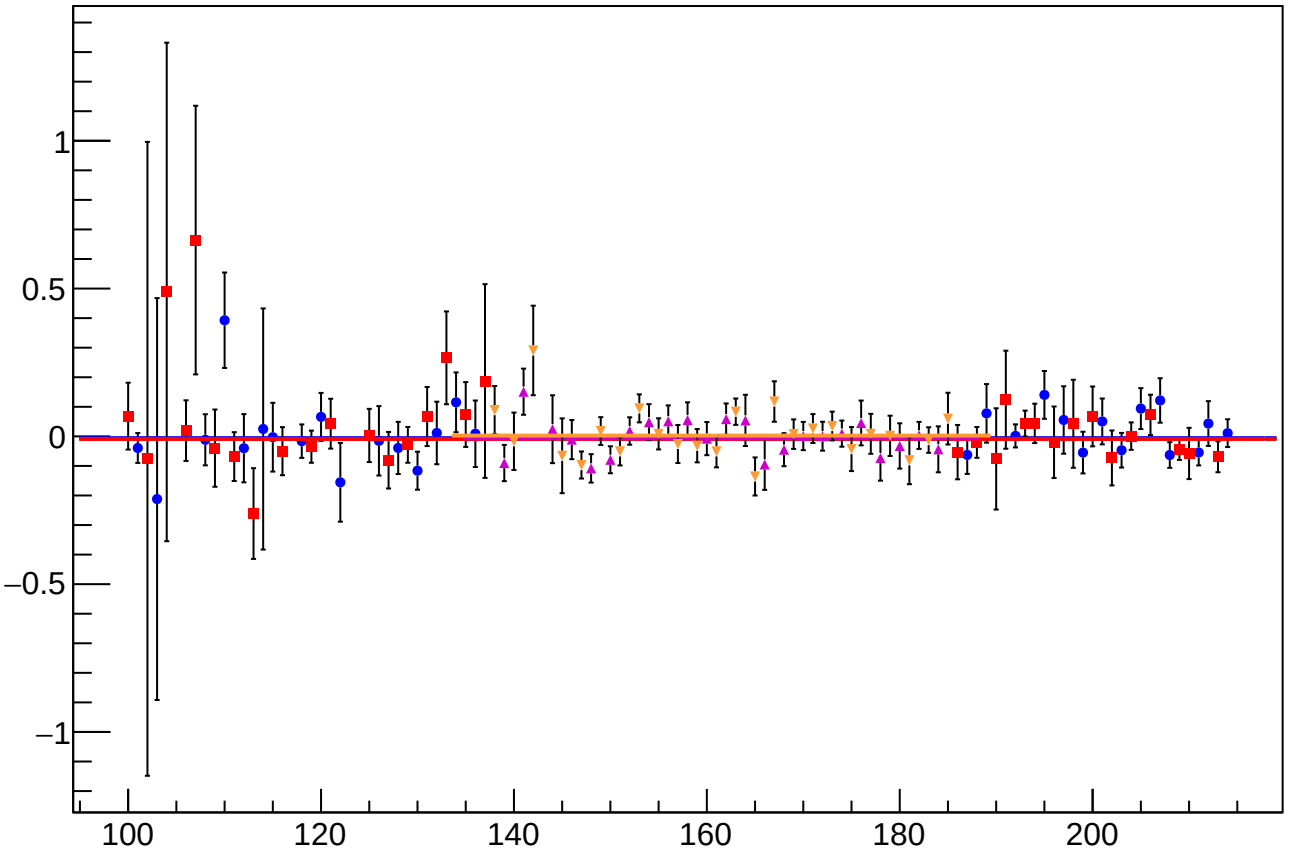
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.000+/-0.000 χ^2/NDF: 29755787.7/62

In: 0.000+/-0.000 χ^2/NDF:33936920.5/52

Out: 0.001+/-0.000 χ^2/NDF:34856427.9/56

All: 0.000+/-0.000 χ^2/NDF: 68837671.4/109



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

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

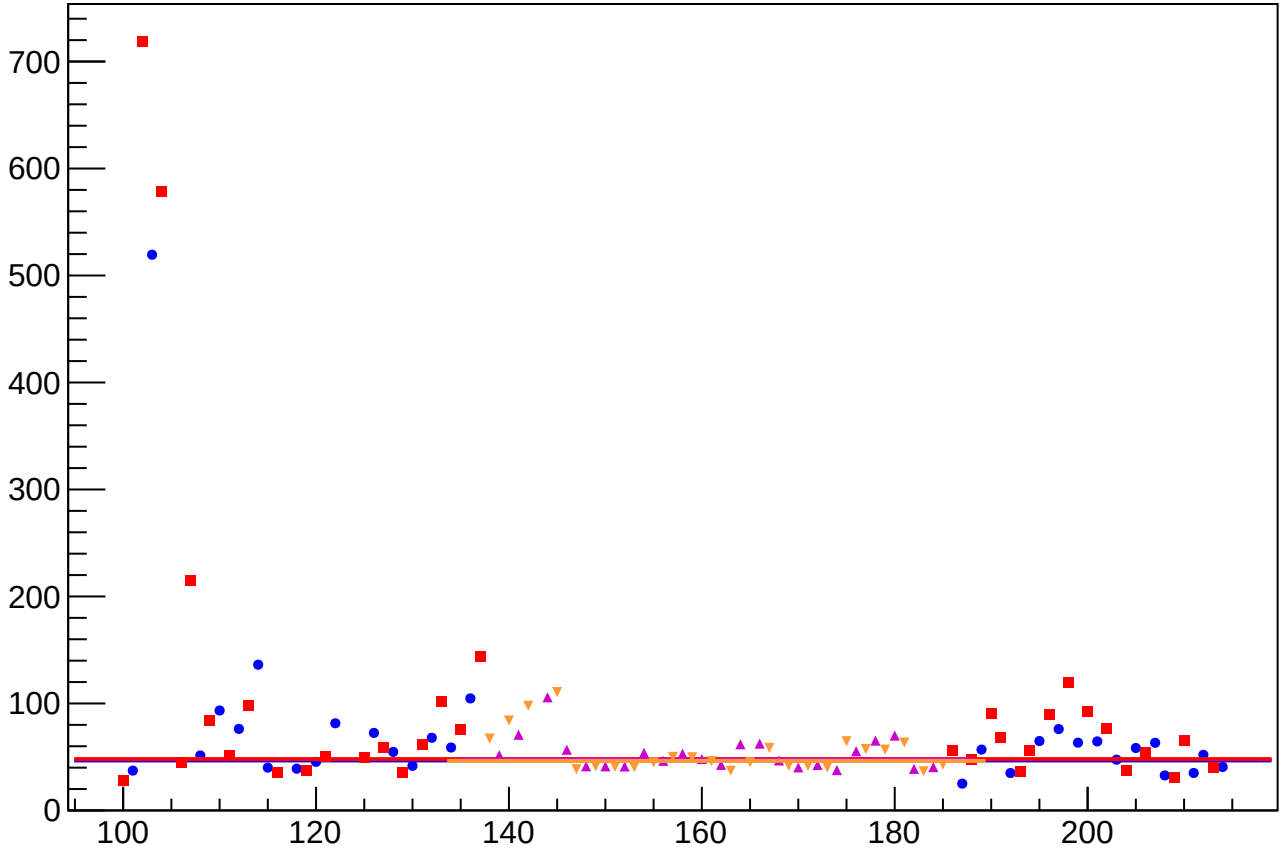
Right: -0.007+/-0.009 χ^2/NDF: 49.2/62

In: -0.006+/-0.009 χ^2/NDF:50.0/52

Out: -0.002+/-0.009 χ^2/NDF:51.1/56

All: -0.004+/-0.006 χ^2/NDF: 101.2/109

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

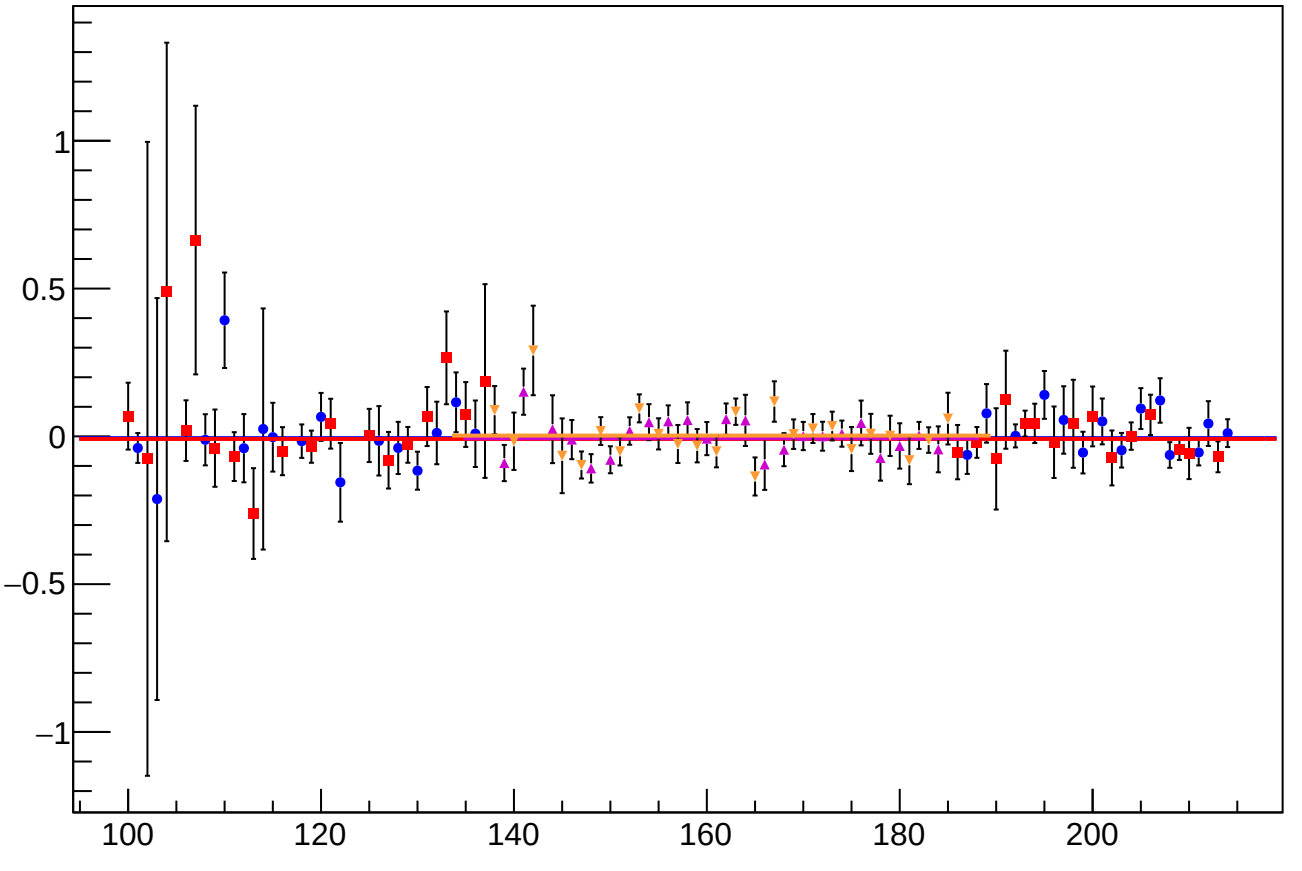
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 47.347+/-0.007 χ^2/NDF: 9214914.9/62

In: 47.201+/-0.006 χ^2/NDF:5390622.4/52

Out: 47.056+/-0.006 χ^2/NDF:7380249.6/56

All: 47.129+/-0.004 χ^2/NDF: 12771135.7/109



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

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

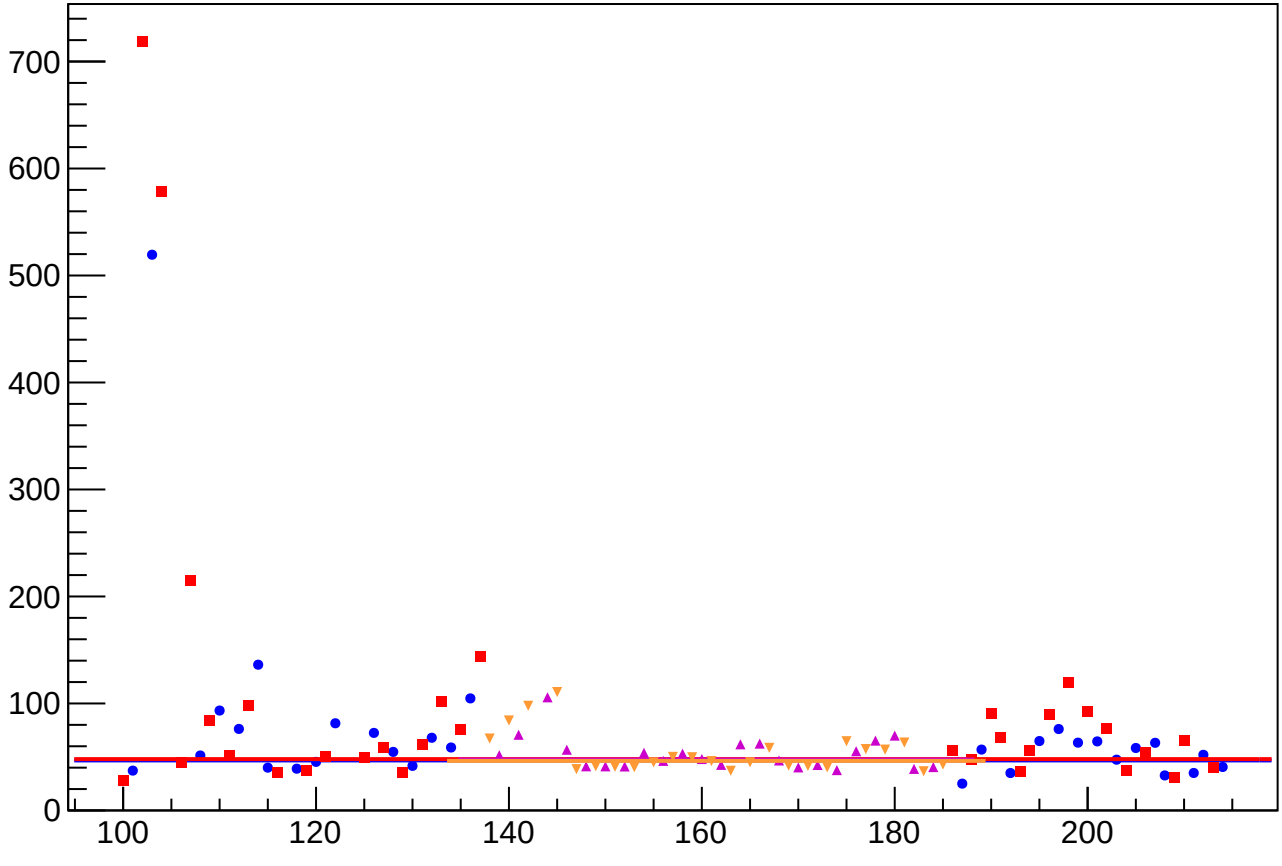
Right: -0.007+/-0.009 χ^2/NDF: 49.2/62

In: -0.006+/-0.009 χ^2/NDF:50.0/52

Out: -0.002+/-0.009 χ^2/NDF:51.1/56

All: -0.004+/-0.006 χ^2/NDF: 101.2/109

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

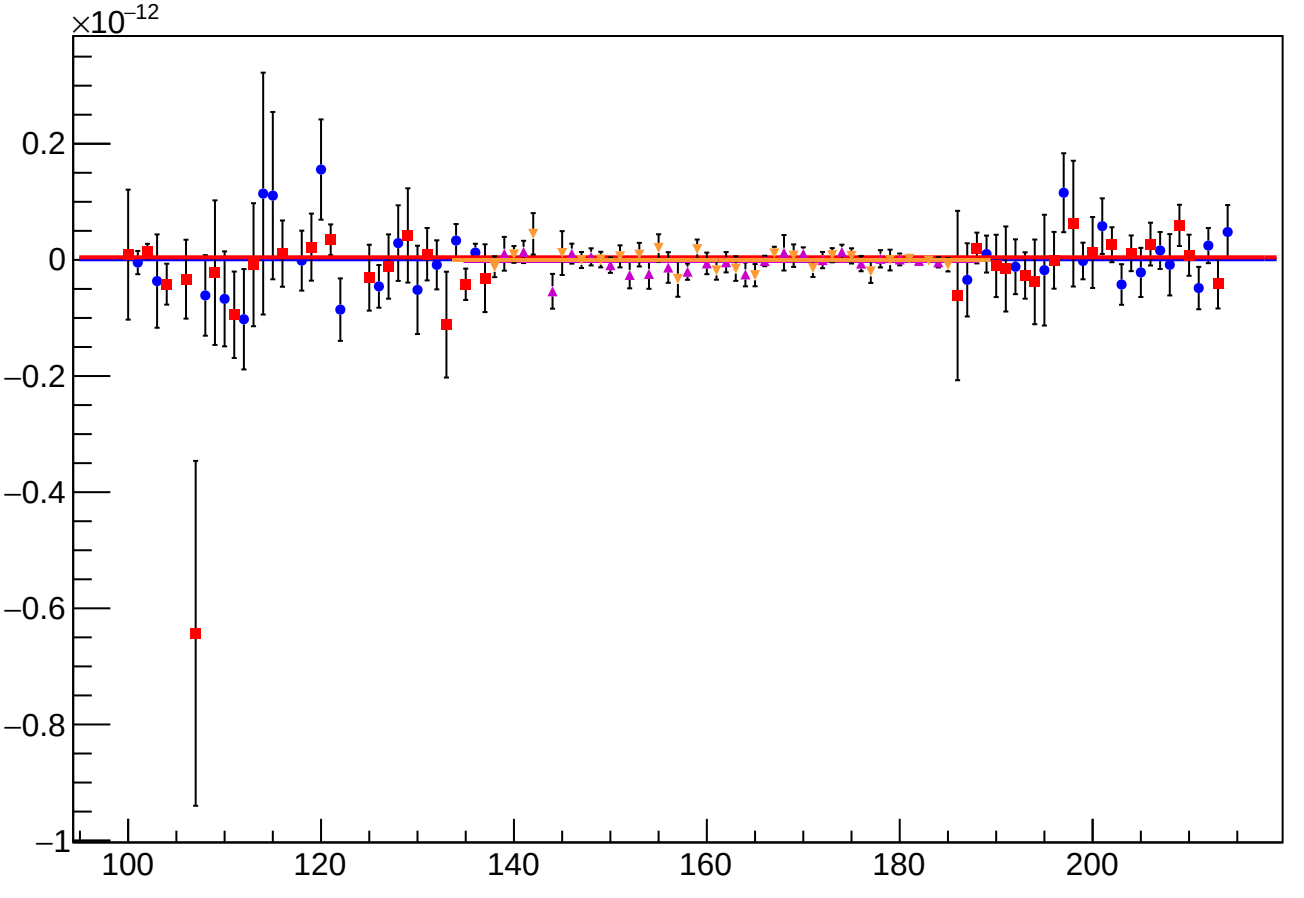
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 47.347+/-0.007 χ^2/NDF: 9214914.9/62

In: 47.201+/-0.006 χ^2/NDF:5390622.4/52

Out: 47.056+/-0.006 χ^2/NDF:7380249.6/56

All: 47.129+/-0.004 χ^2/NDF: 12771135.7/109



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

Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

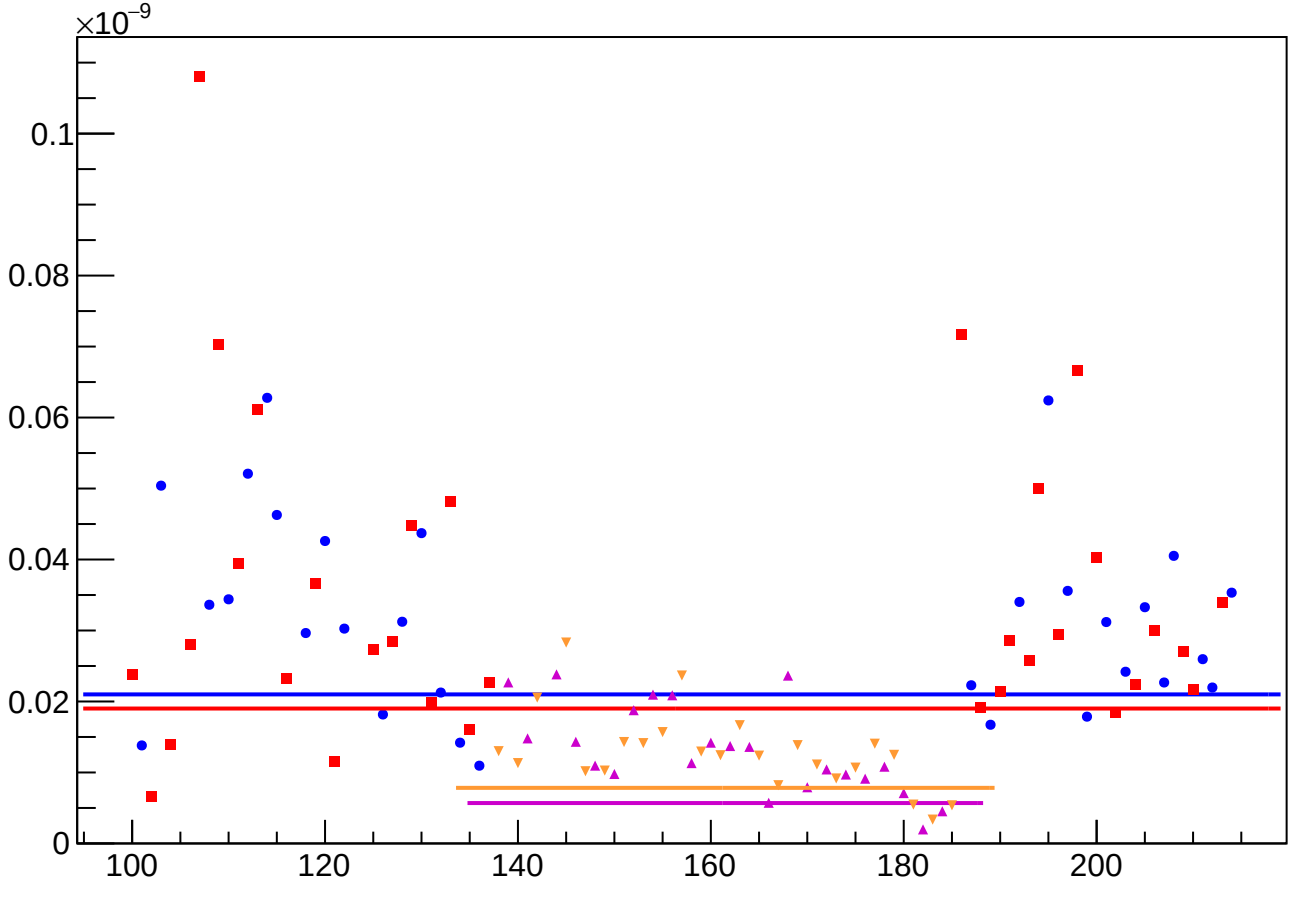
Right: 0.000+/-0.000 χ^2/NDF: 47.3/62

In: -0.000+/-0.000 χ^2/NDF:37.9/52

Out: 0.000+/-0.000 χ^2/NDF:37.0/56

All: -0.000+/-0.000 χ^2/NDF: 75.4/109

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

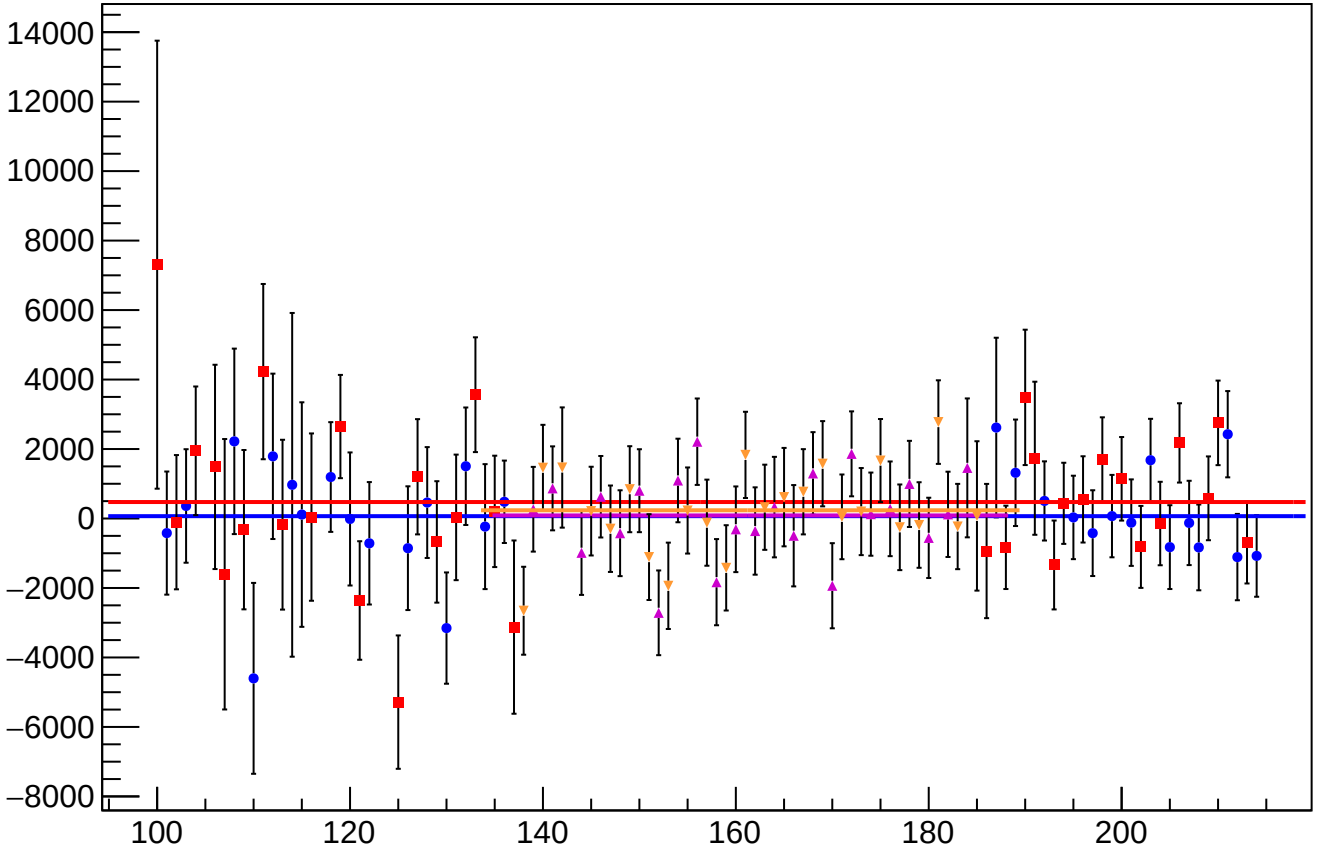
Right: 0.000+/-0.000 χ^2/NDF: 9832702.5/62

In: 0.000+/-0.000 χ^2/NDF:23700095.2/52

Out: 0.000+/-0.000 χ^2/NDF:16830281.3/56

All: 0.000+/-0.000 χ^2/NDF: 41540323.7/109

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

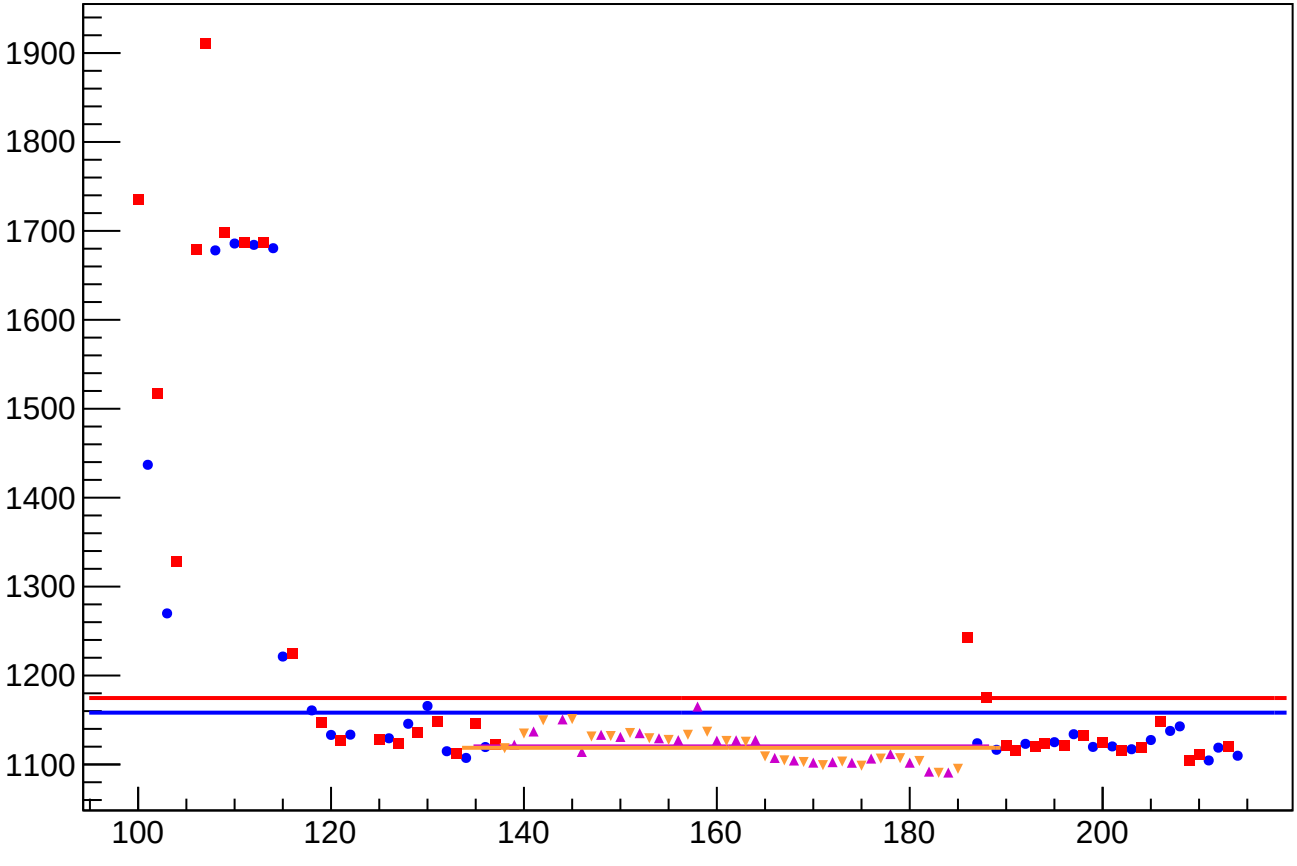
Right: 270.403+/-192.366 χ^2/NDF: 62.4/62

In: 78.298+/-188.468 χ^2/NDF:41.4/52

Out: 349.774+/-187.933 χ^2/NDF:63.9/56

All: 214.422+/-133.077 χ^2/NDF: 106.4/109

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



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

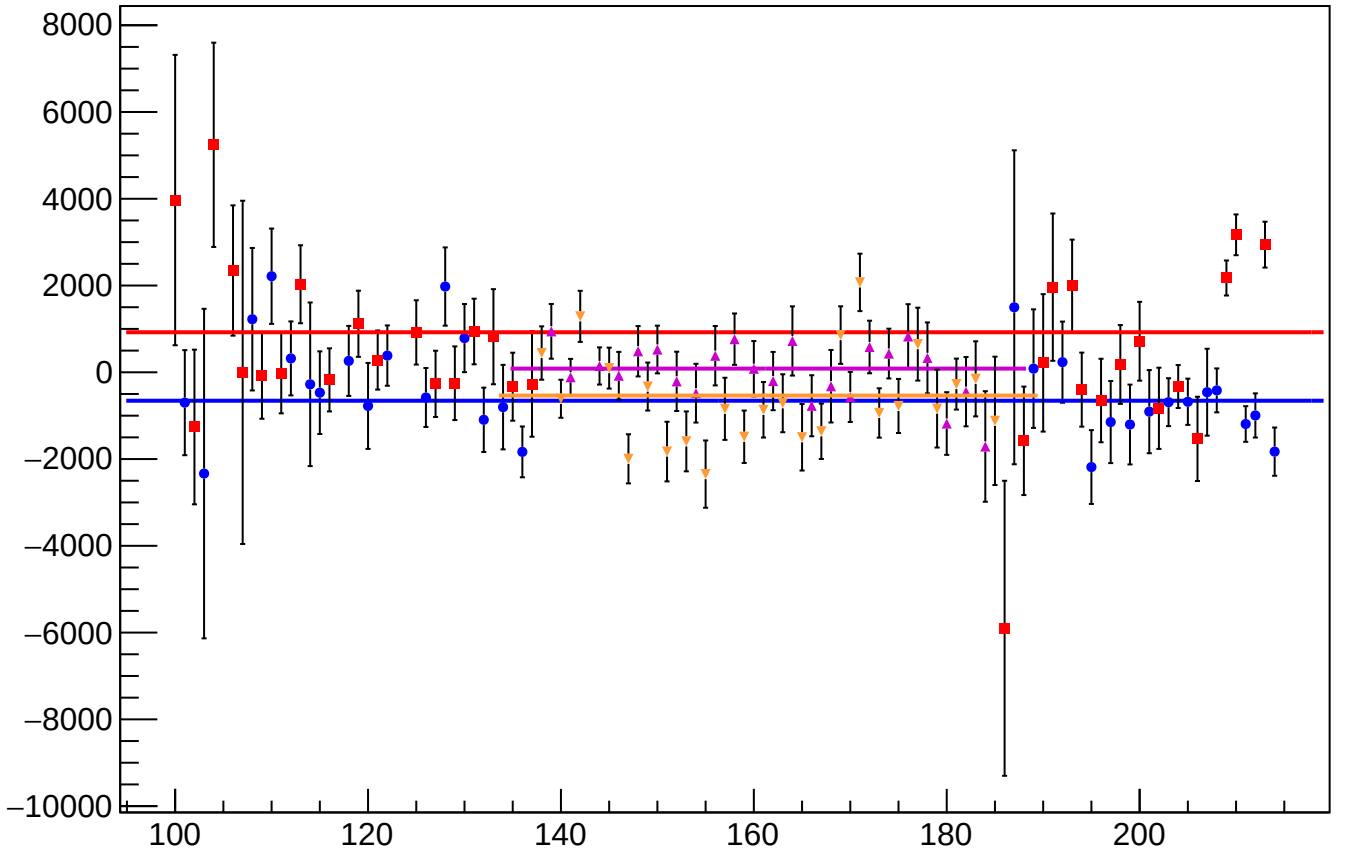
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1166.452+/-0.136 χ^2/NDF: 920442.0/62

In: 1138.556+/-0.133 χ^2/NDF:389042.0/52

Out: 1145.380+/-0.133 χ^2/NDF:609891.8/56

All: 1141.978+/-0.094 χ^2/NDF: 1000248.2/10



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

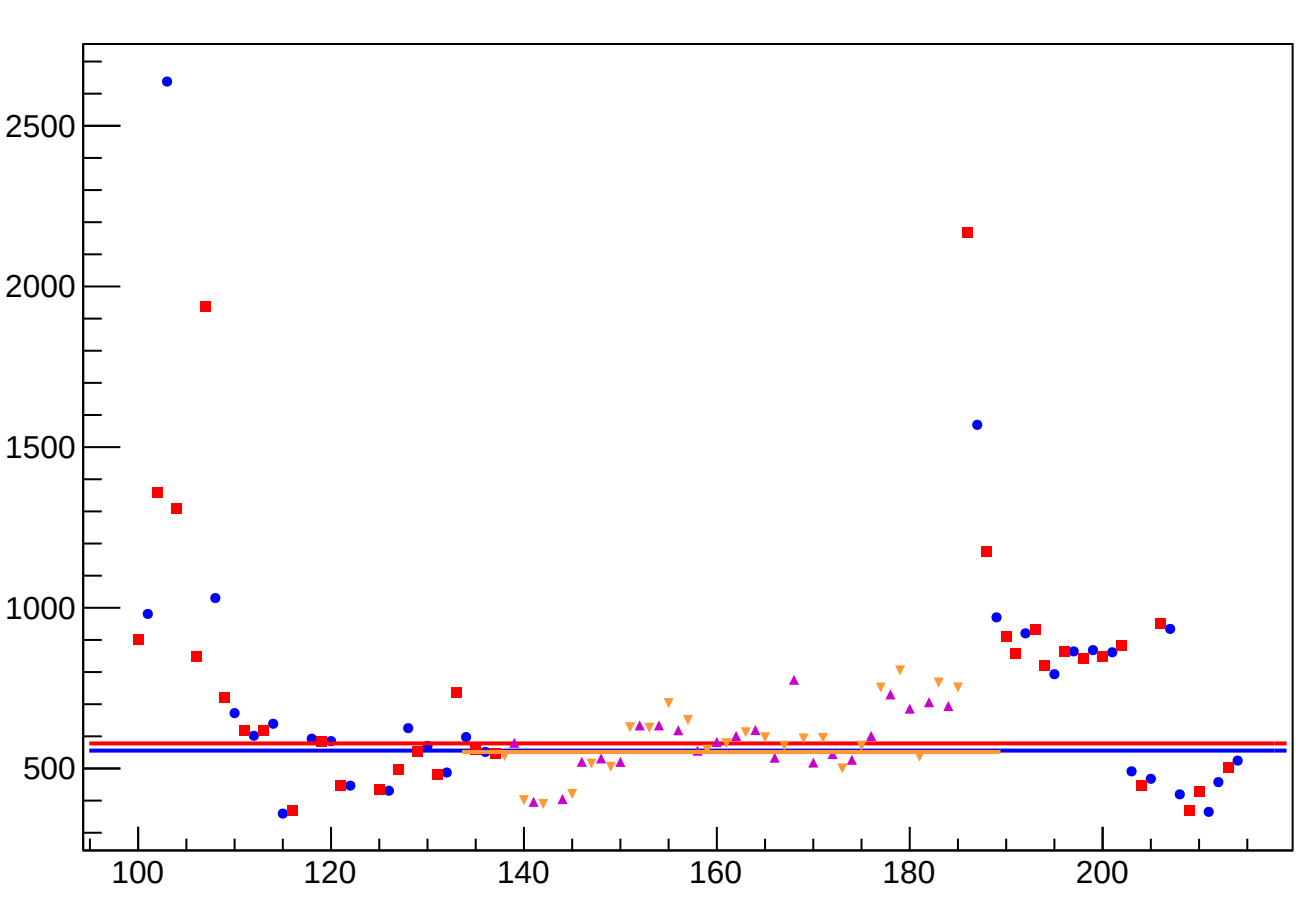
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 105.582+/-100.408 χ^2/NDF: 203.7/62

In: -261.637+/-95.492 χ^2/NDF:74.1/52

Out: 119.707+/-96.940 χ^2/NDF:217.6/56

All: -73.835+/-68.029 χ^2/NDF: 299.5/109



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

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

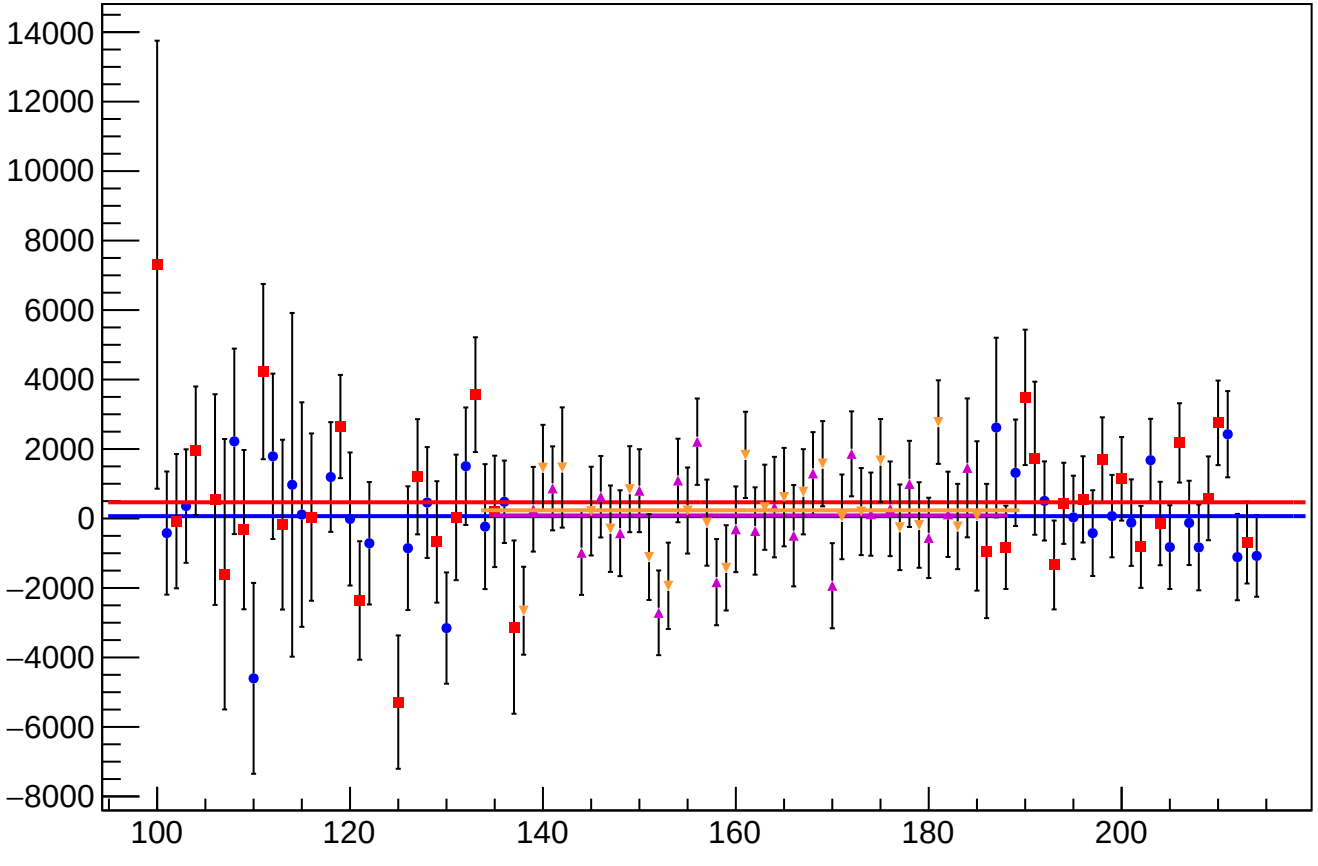
Right: 566.382+/-0.071 χ^2/NDF: 8518667.0/62

In: 553.338+/-0.068 χ^2/NDF:4823180.3/52

Out: 563.355+/-0.069 χ^2/NDF:5997153.9/56

All: 558.271+/-0.048 χ^2/NDF: 10831172.5/10

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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

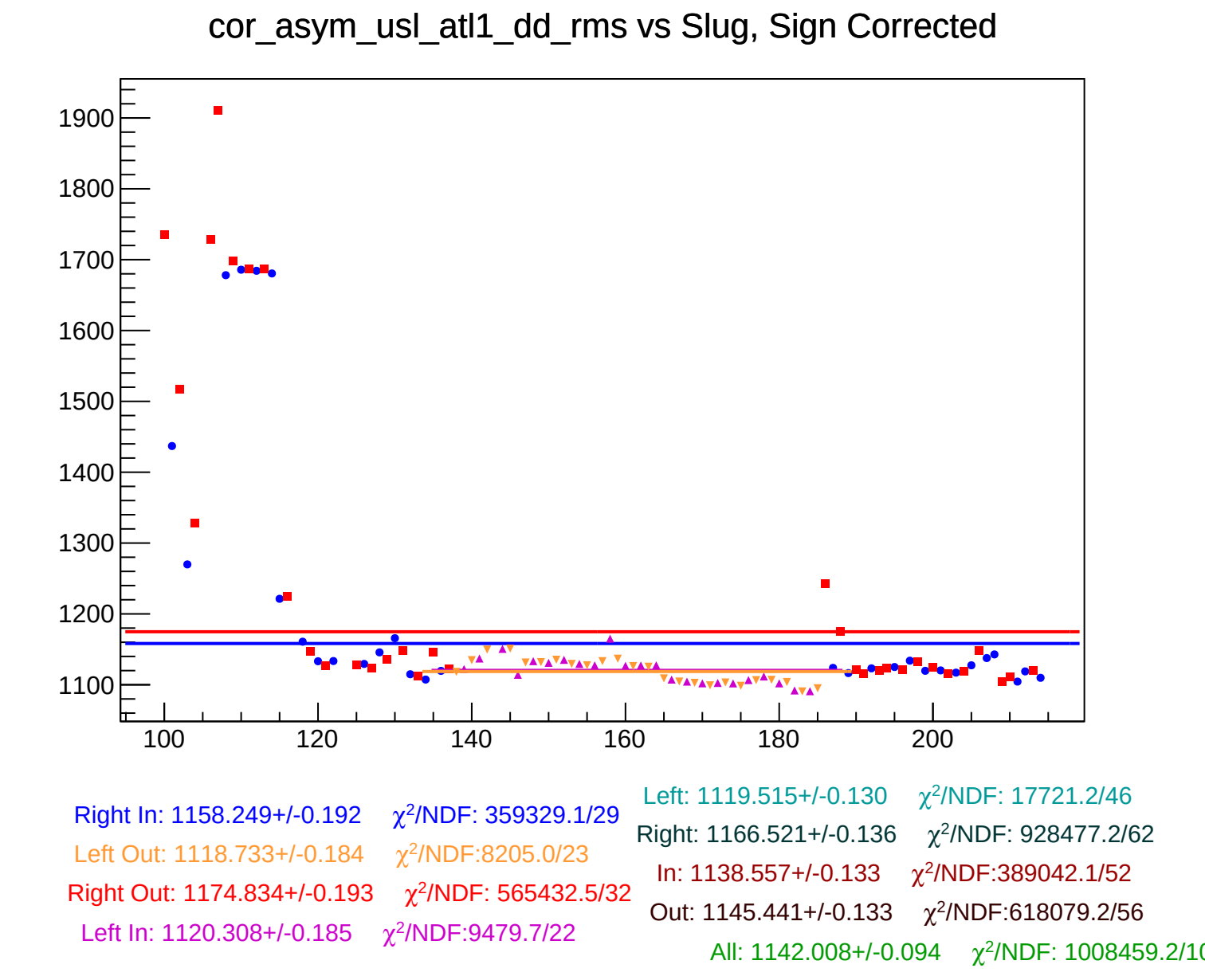
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

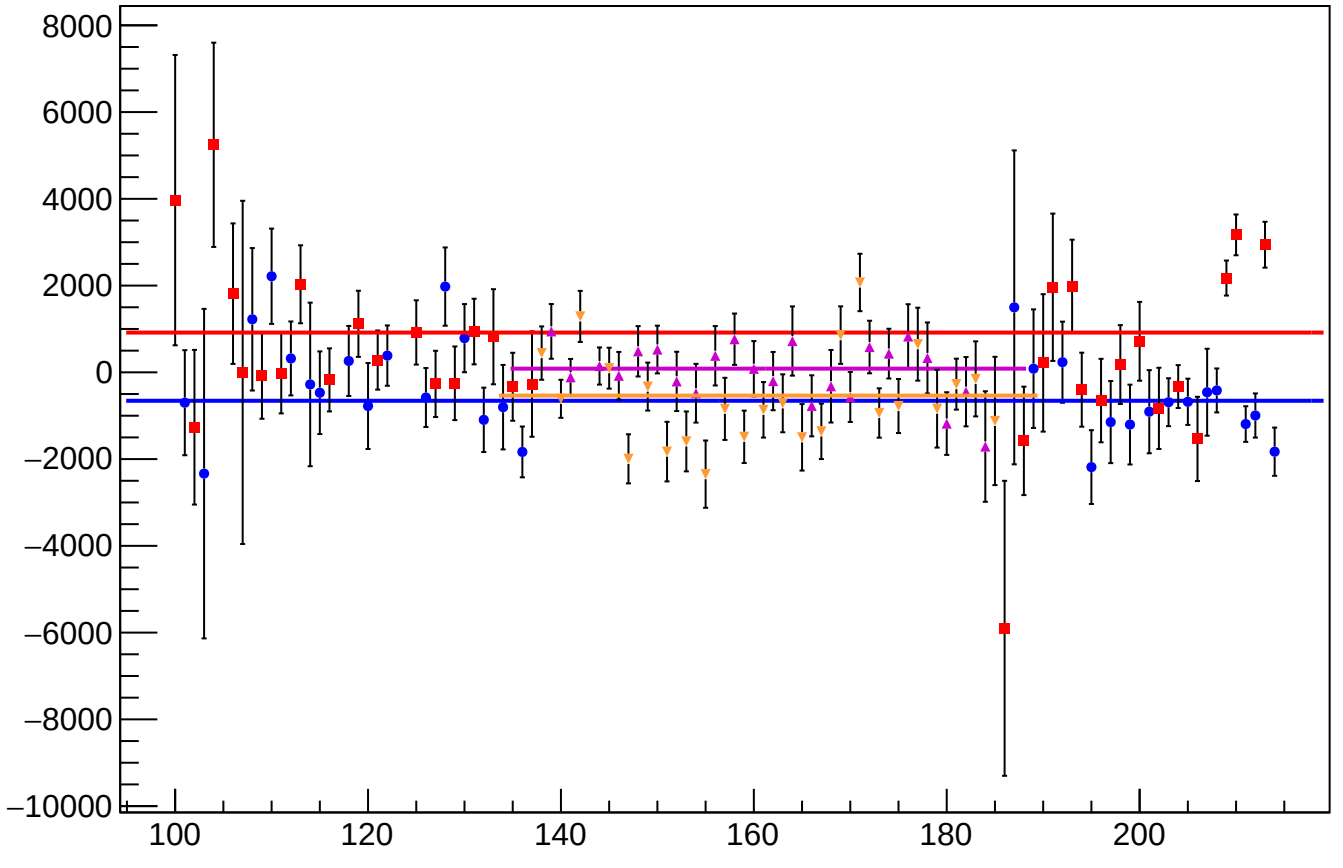
Right: 266.527+/-192.391 χ^2/NDF: 62.3/62

In: 78.228+/-188.468 χ^2/NDF:41.4/52

Out: 346.180+/-187.956 χ^2/NDF:63.8/56

All: 212.568+/-133.086 χ^2/NDF: 106.2/109


cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected
1900
1800
1700
1600
1500
1400
1300
1200
1100
100
120
140
160
180
200
Right In: 1158.249+/-0.192 χ²/NDF: 359329.1/29
Left Out: 1118.733+/-0.184 χ²/NDF:8205.0/23
Right Out: 1174.834+/-0.193 χ²/NDF: 565432.5/32
Left In: 1120.308+/-0.185 χ²/NDF:9479.7/22
Left: 1119.515+/-0.130 χ²/NDF: 17721.2/46
Right: 1166.521+/-0.136 χ²/NDF: 928477.2/62
In: 1138.557+/-0.133 χ²/NDF:389042.1/52
Out: 1145.441+/-0.133 χ²/NDF:618079.2/56
All: 1142.008+/-0.094 χ²/NDF: 1008459.2/10



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

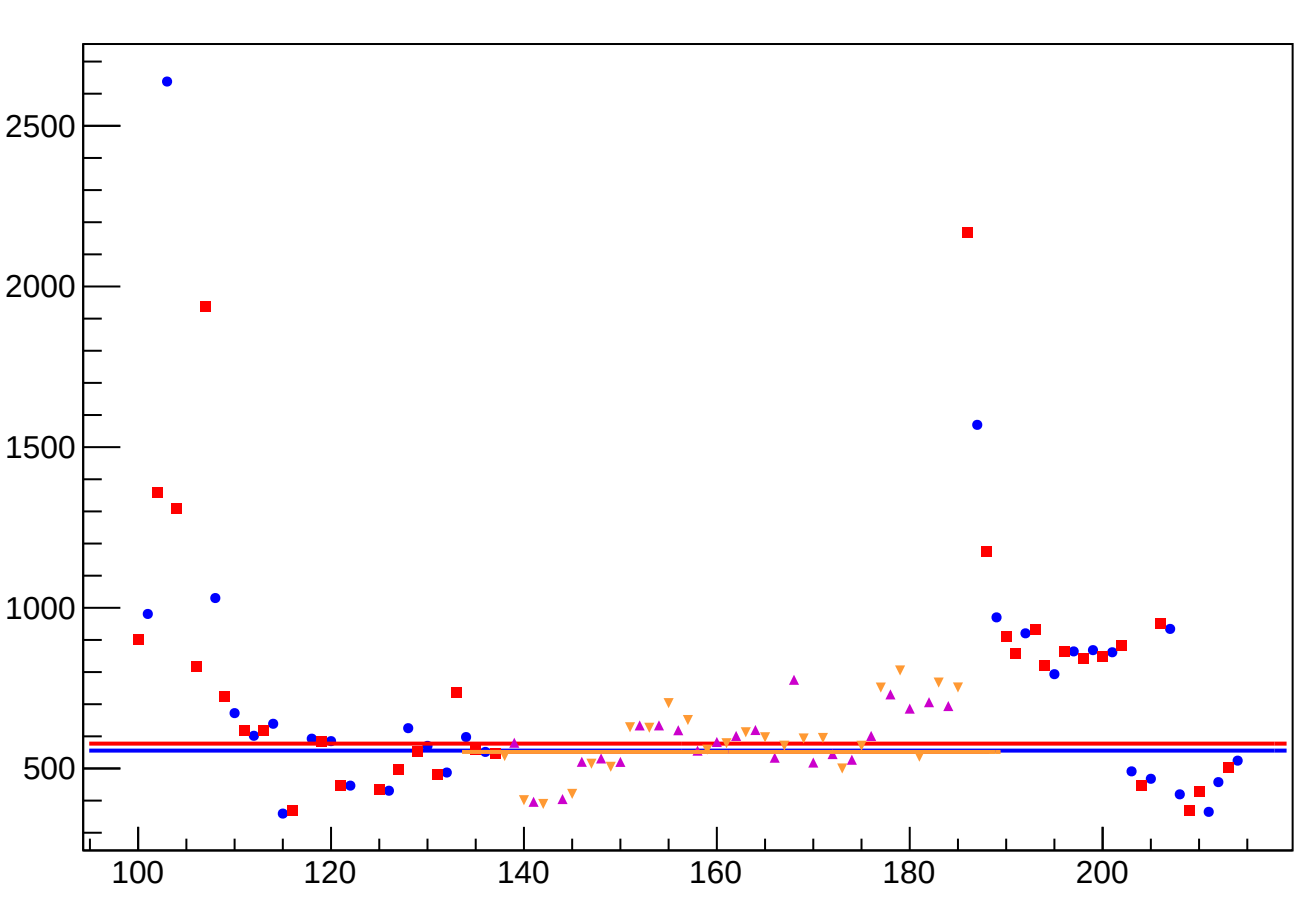
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 102.125+/-100.439 χ^2/NDF: 202.6/62

In: -261.646+/-95.491 χ^2/NDF:74.1/52

Out: 116.481+/-96.968 χ^2/NDF:216.5/56

All: -75.483+/-68.039 χ^2/NDF: 298.3/109



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

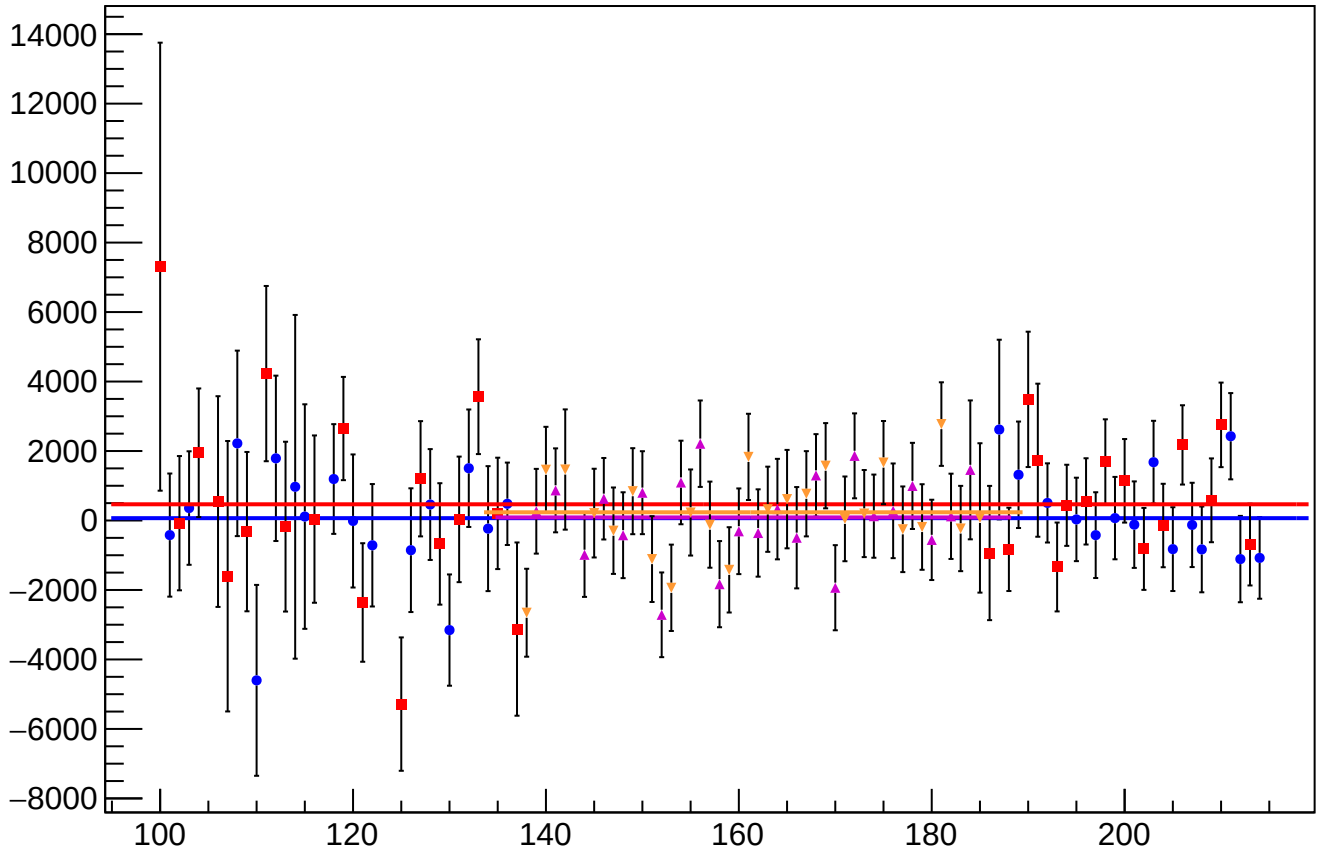
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 566.082+/-0.071 χ^2/NDF: 8496606.7/62

In: 553.336+/-0.068 χ^2/NDF:4823126.2/52

Out: 563.074+/-0.069 χ^2/NDF:5974769.0/56

All: 558.130+/-0.048 χ^2/NDF: 10808134.6/10



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

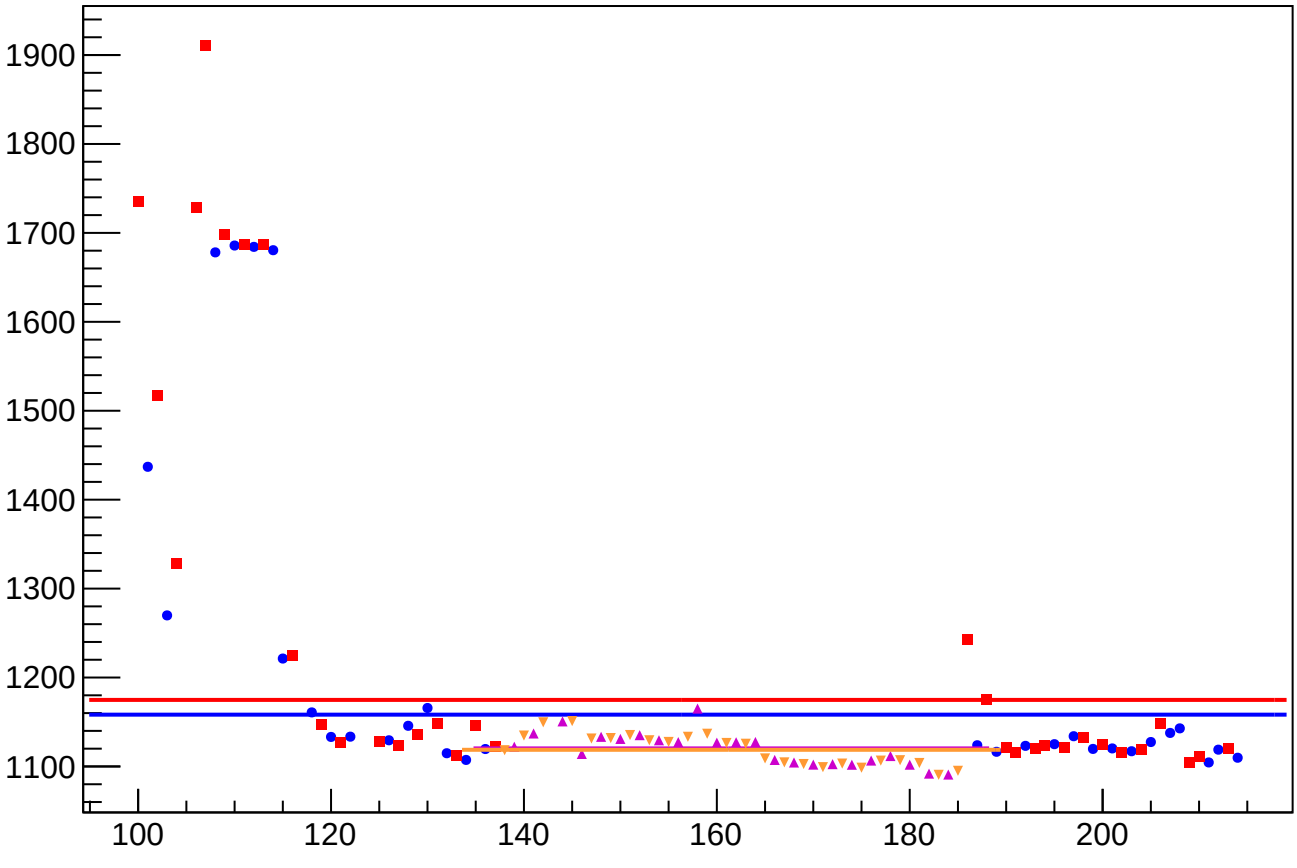
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 266.527+/-192.391 χ^2/NDF: 62.3/62

In: 78.228+/-188.468 χ^2/NDF:41.4/52

Out: 346.180+/-187.956 χ^2/NDF:63.8/56

All: 212.568+/-133.086 χ^2/NDF: 106.2/109



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

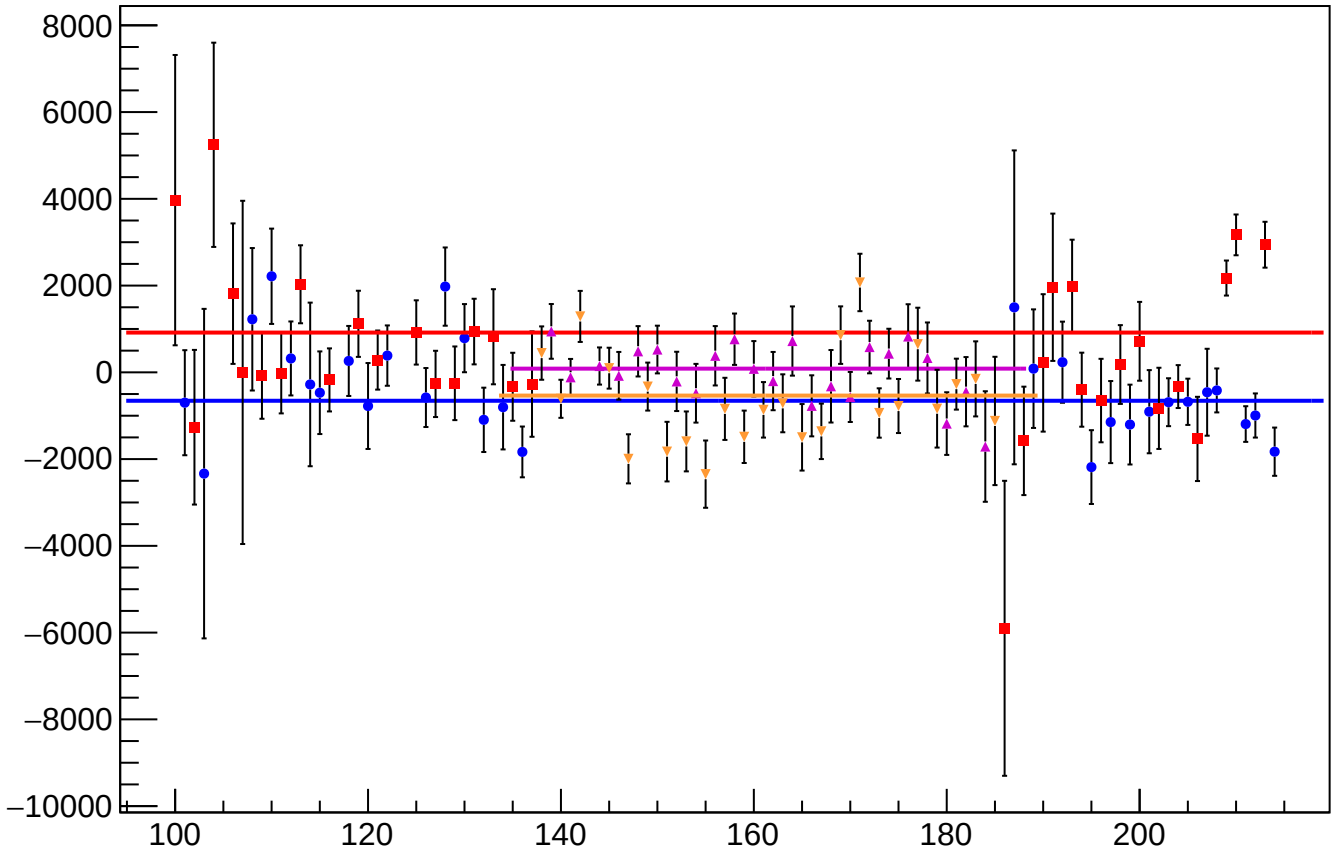
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1166.521+/-0.136 χ^2/NDF: 928477.2/62

In: 1138.557+/-0.133 χ^2/NDF:389042.1/52

Out: 1145.441+/-0.133 χ^2/NDF:618079.2/56

All: 1142.008+/-0.094 χ^2/NDF: 1008459.2/10



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

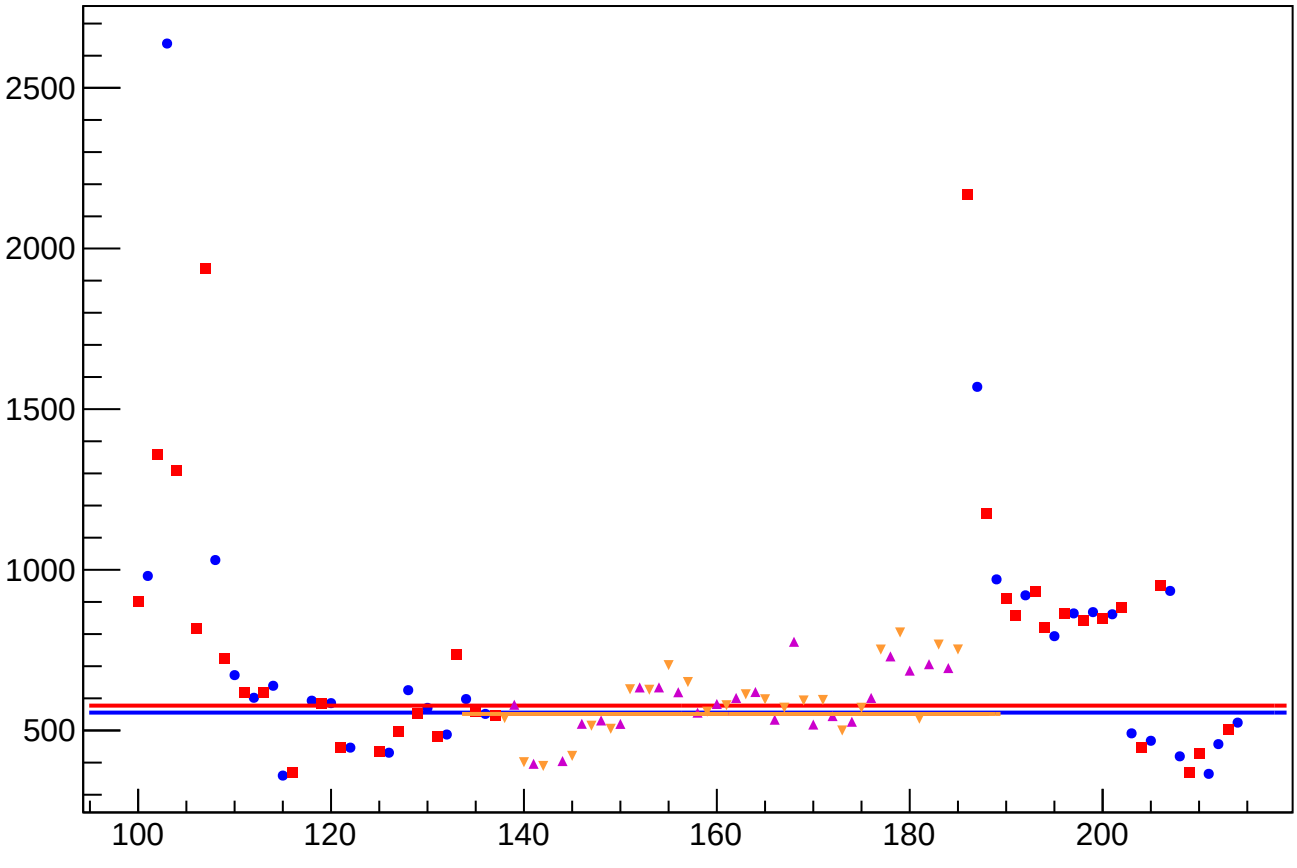
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 102.125+/-100.439 χ^2/NDF: 202.6/62

In: -261.646+/-95.491 χ^2/NDF:74.1/52

Out: 116.481+/-96.968 χ^2/NDF:216.5/56

All: -75.483+/-68.039 χ^2/NDF: 298.3/109



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

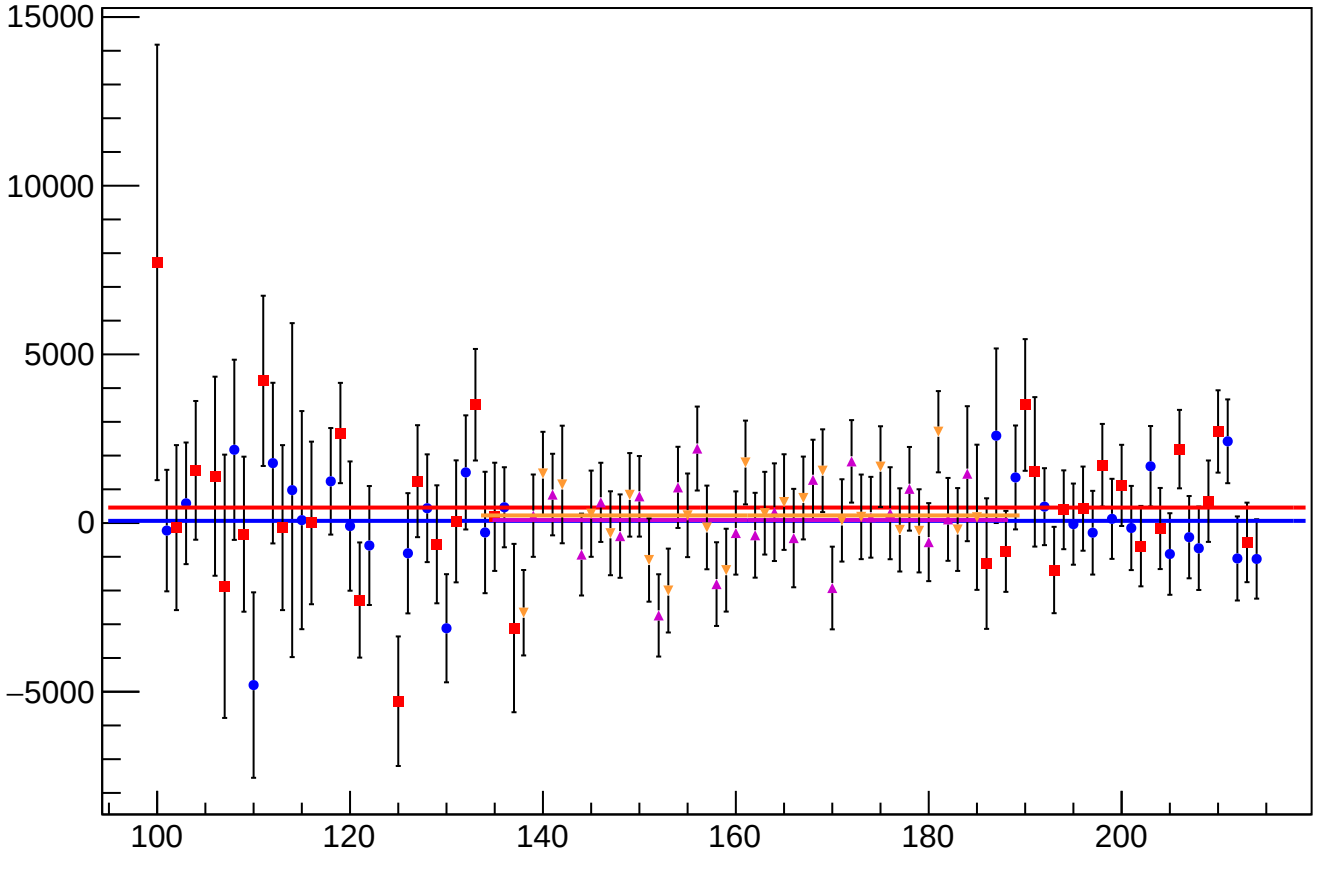
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 566.082+/-0.071 χ^2/NDF: 8496606.7/62

In: 553.336+/-0.068 χ^2/NDF:4823126.2/52

Out: 563.074+/-0.069 χ^2/NDF:5974769.0/56

All: 558.130+/-0.048 χ^2/NDF: 10808134.6/10



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

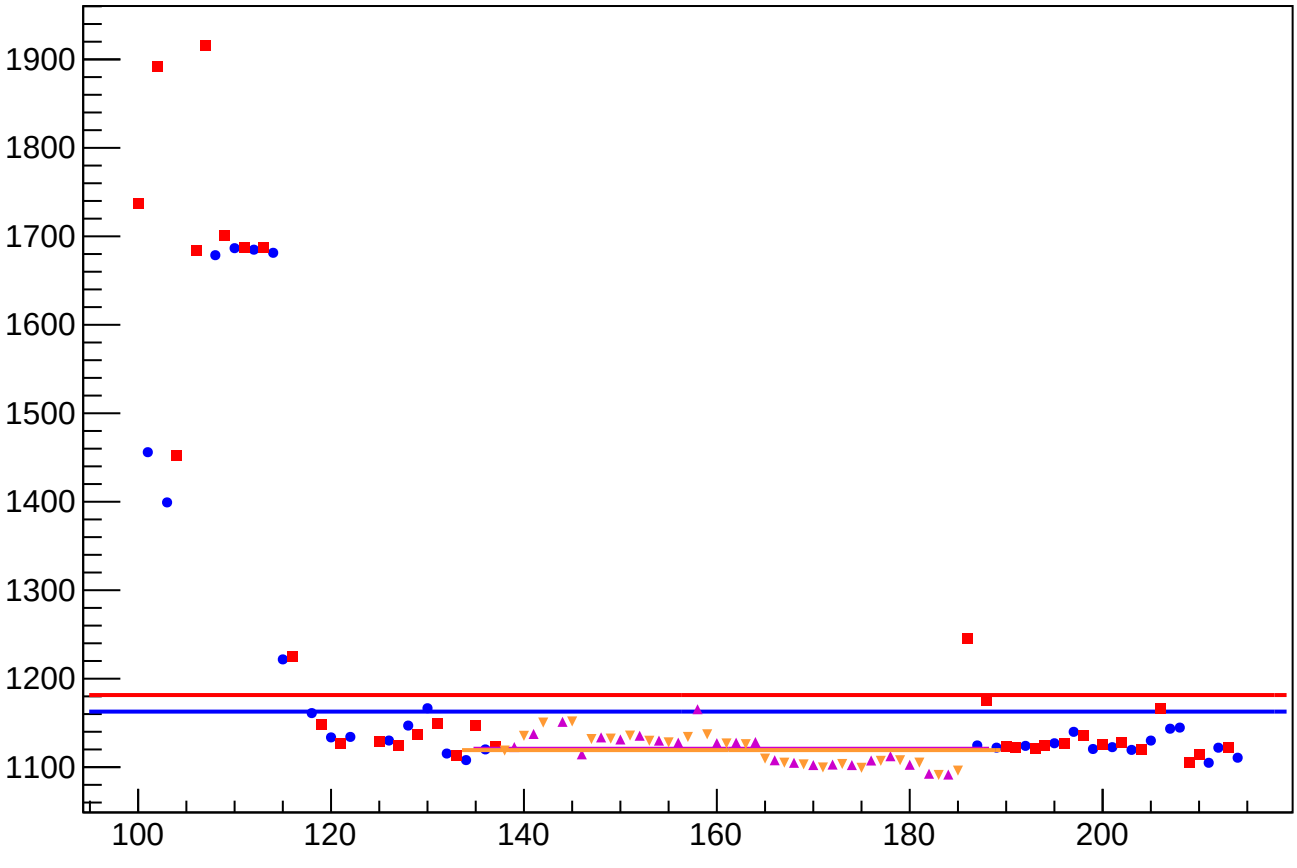
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 260.791+/-193.621 χ^2/NDF: 61.6/62

In: 77.537+/-188.915 χ^2/NDF:41.2/52

Out: 335.882+/-188.759 χ^2/NDF:62.6/56

All: 206.816+/-133.528 χ^2/NDF: 104.7/109



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

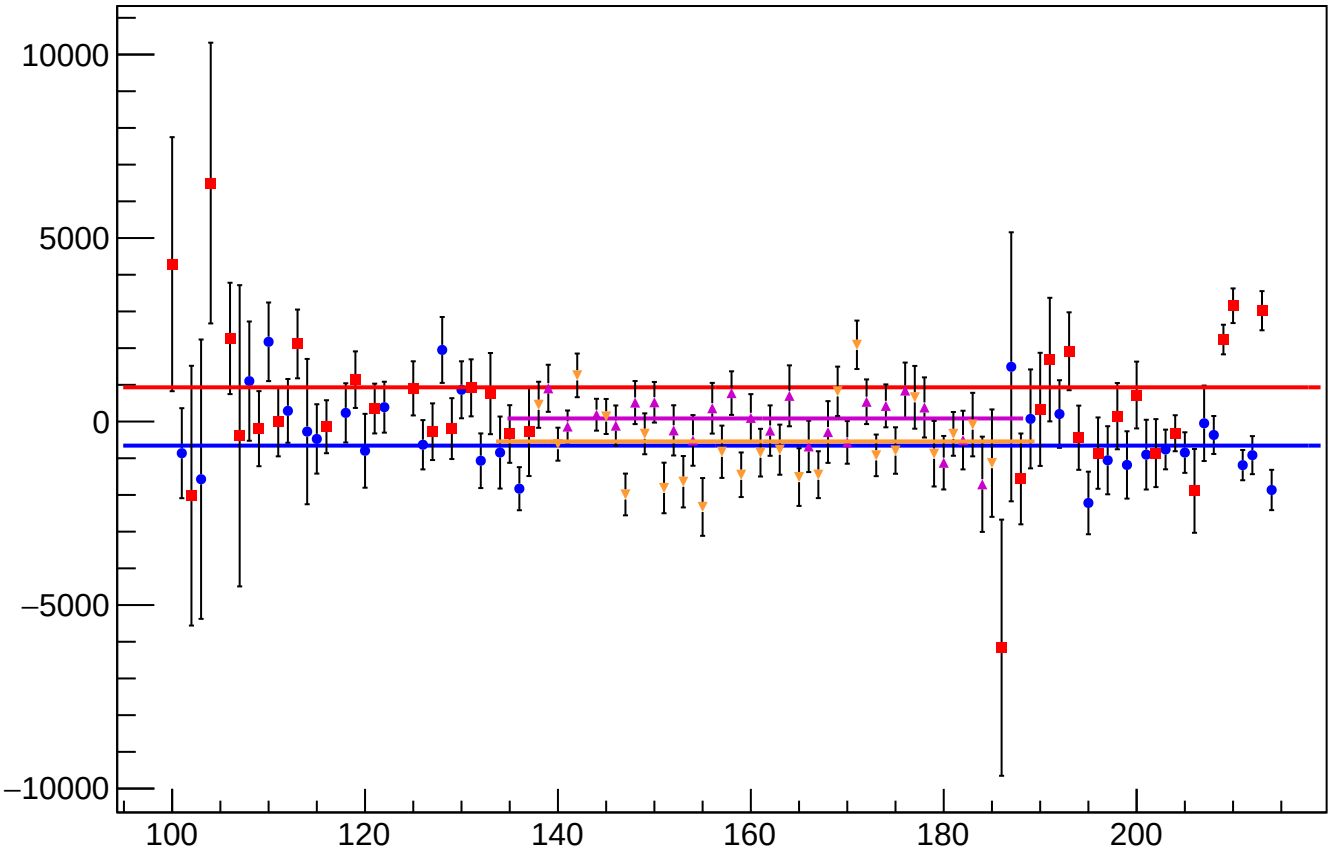
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1172.082+/-0.137 χ^2/NDF: 1077955.7/62

In: 1140.908+/-0.134 χ^2/NDF:422093.9/52

Out: 1148.650+/-0.133 χ^2/NDF:747604.6/56

All: 1144.783+/-0.094 χ^2/NDF: 1171379.5/10



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

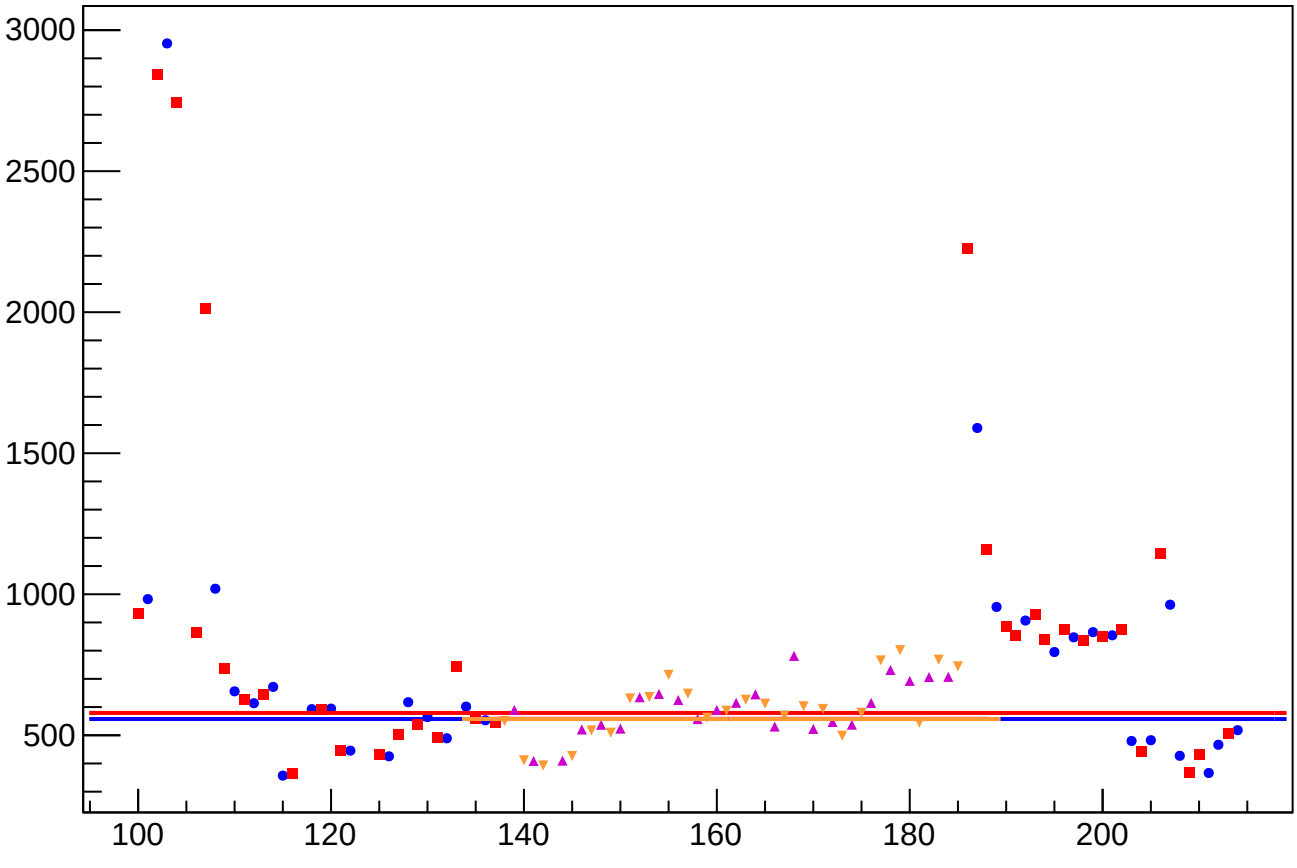
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 104.298+/-101.018 χ^2/NDF: 204.0/62

In: -265.953+/-96.220 χ^2/NDF:73.8/52

Out: 121.368+/-97.924 χ^2/NDF:216.6/56

All: -75.691+/-68.633 χ^2/NDF: 298.4/109



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

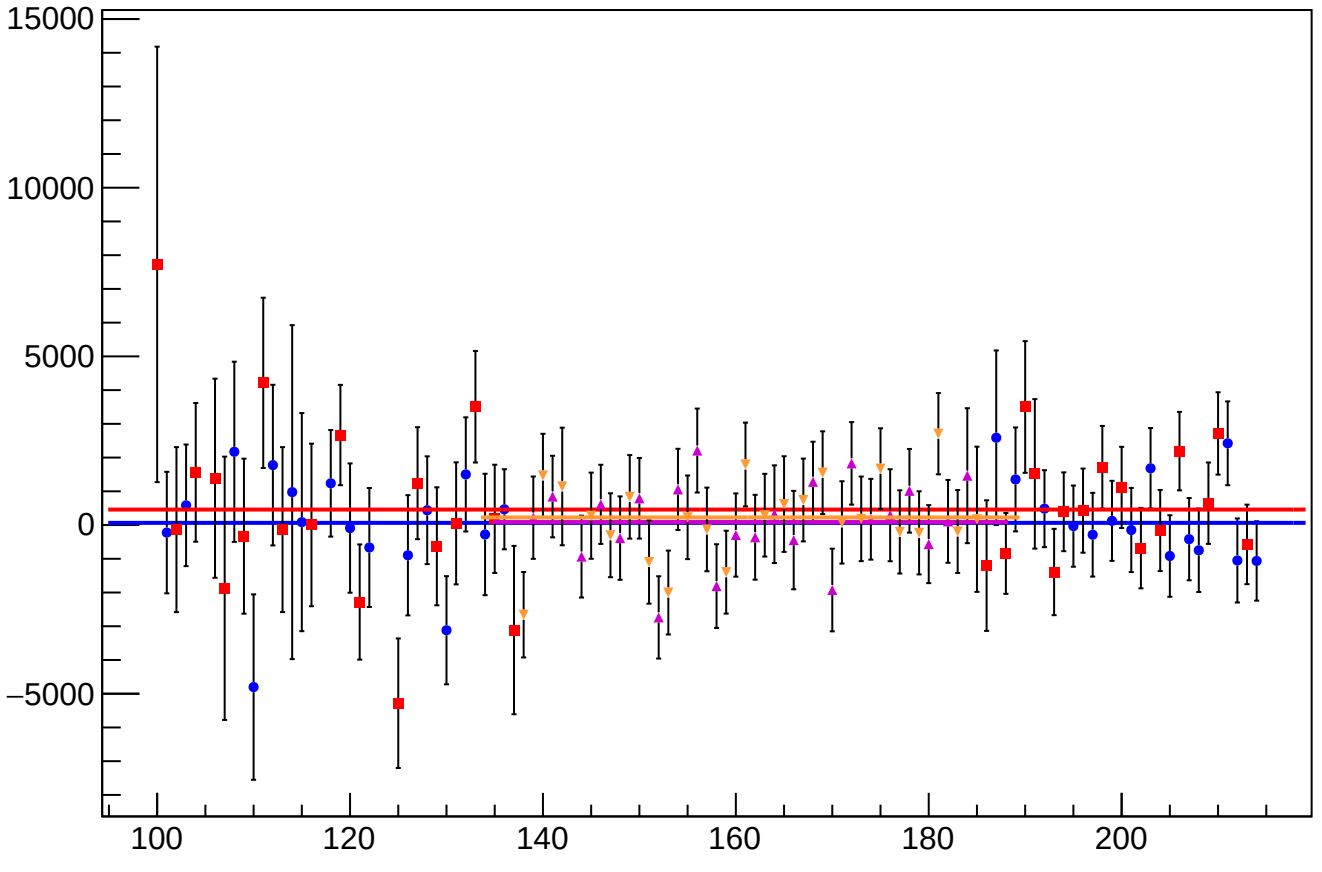
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 567.915+/-0.071 χ^2/NDF: 9760746.5/62

In: 558.016+/-0.068 χ^2/NDF:4921007.0/52

Out: 567.290+/-0.069 χ^2/NDF:7062125.2/56

All: 562.572+/-0.049 χ^2/NDF: 11992260.3/10



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

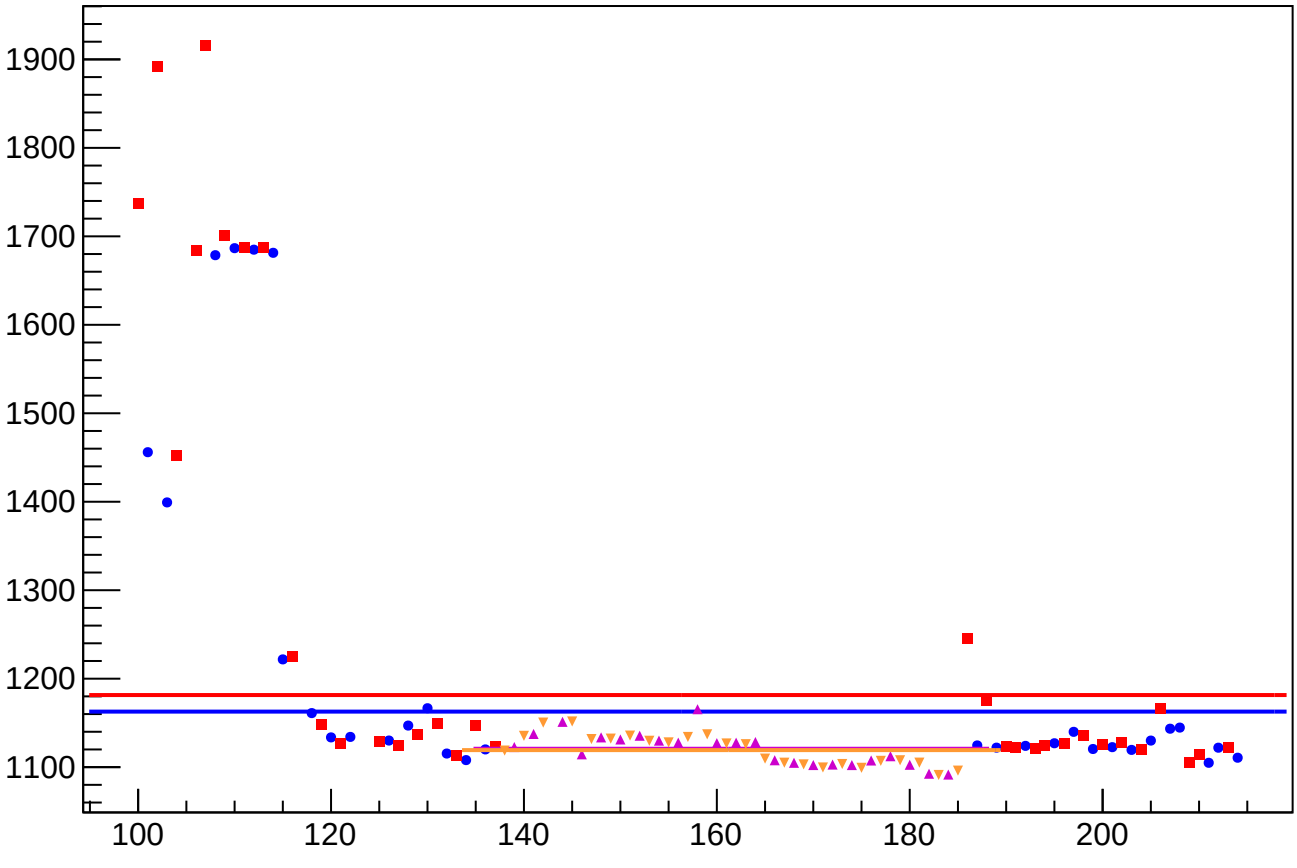
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 260.792+/-193.621 χ^2/NDF: 61.6/62

In: 77.538+/-188.915 χ^2/NDF:41.2/52

Out: 335.881+/-188.759 χ^2/NDF:62.6/56

All: 206.816+/-133.528 χ^2/NDF: 104.7/109



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

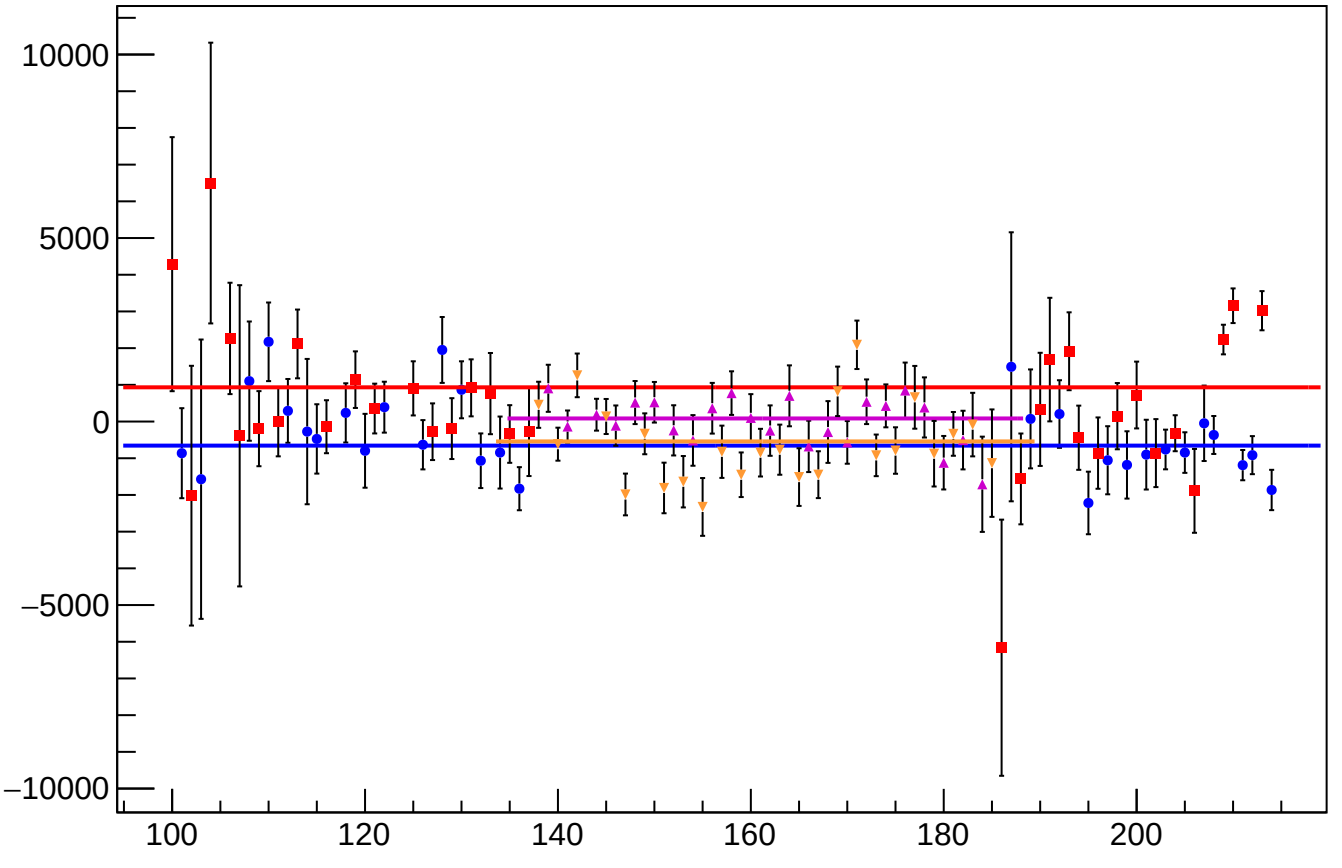
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1172.082+/-0.137 χ^2/NDF: 1077954.4/62

In: 1140.908+/-0.134 χ^2/NDF:422093.4/52

Out: 1148.650+/-0.133 χ^2/NDF:747603.9/56

All: 1144.782+/-0.094 χ^2/NDF: 1171378.2/10



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

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

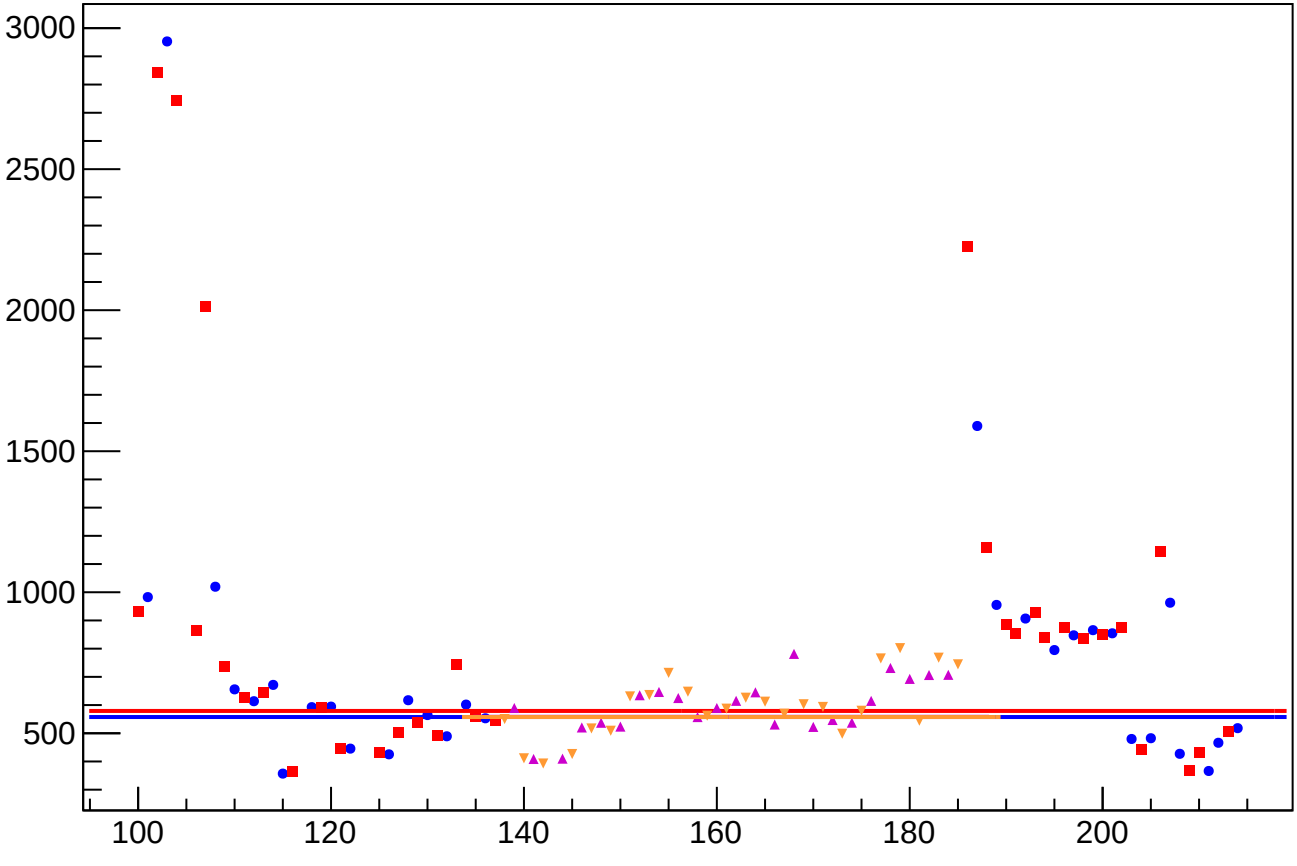
Right: 104.298+/-101.018 χ^2/NDF: 204.0/62

In: -265.953+/-96.220 χ^2/NDF:73.8/52

Out: 121.369+/-97.924 χ^2/NDF:216.6/56

All: -75.691+/-68.632 χ^2/NDF: 298.4/109

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

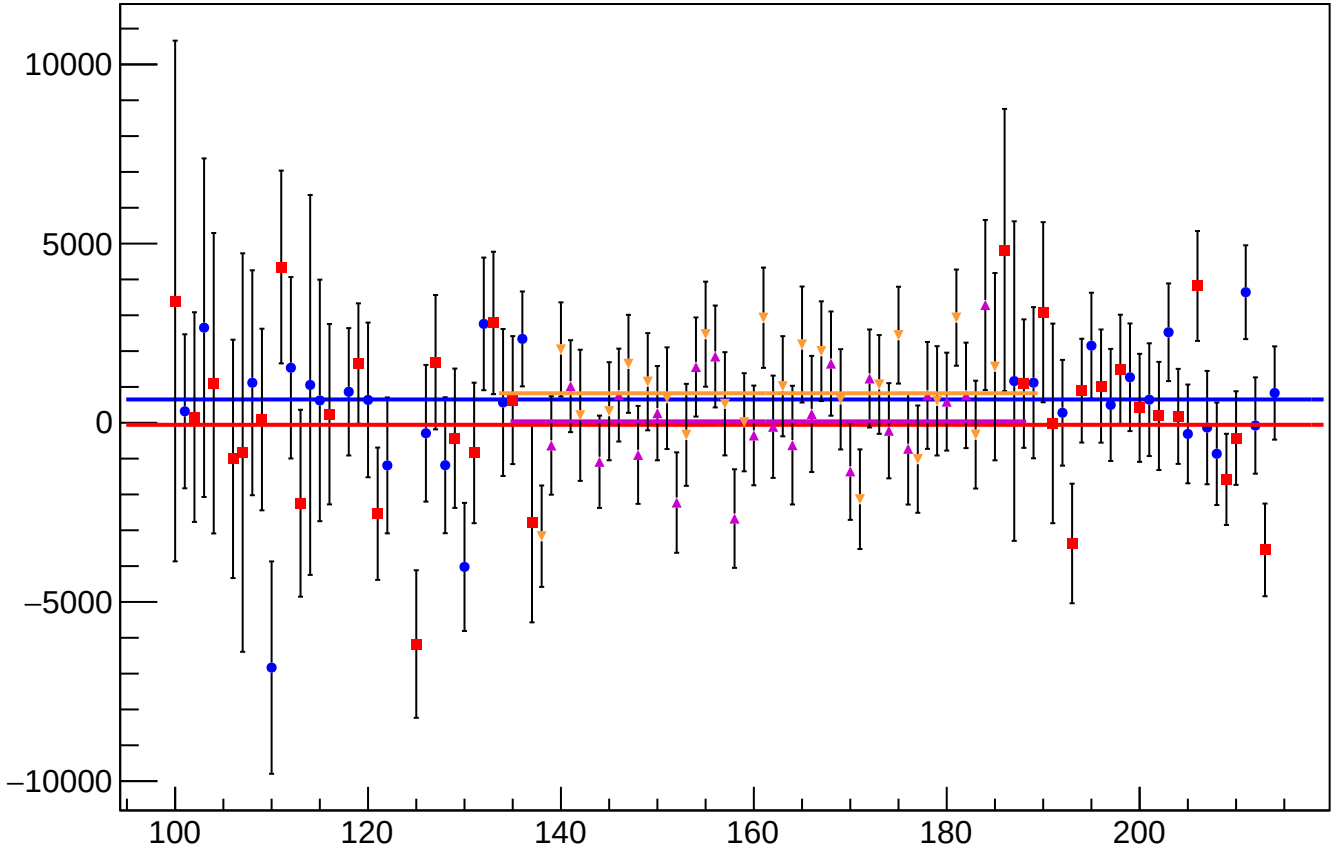
Right: 567.914+/-0.071 χ^2/NDF: 9760756.3/62

In: 558.015+/-0.068 χ^2/NDF:4921023.8/52

Out: 567.290+/-0.069 χ^2/NDF:7062154.6/56

All: 562.571+/-0.049 χ^2/NDF: 11992306.3/10

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

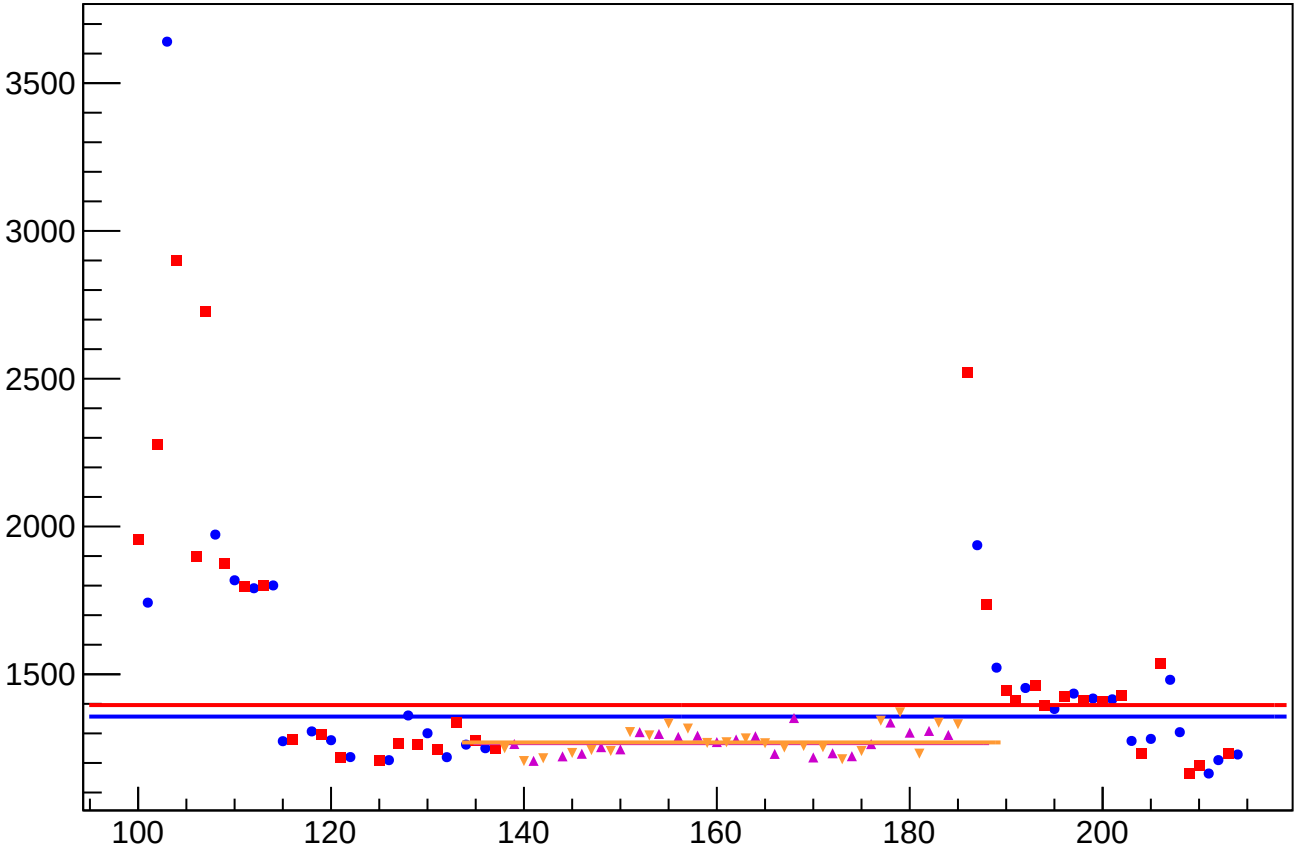
Right: 303.710+/-229.581 χ^2/NDF: 76.1/62

In: 319.782+/-217.830 χ^2/NDF:49.1/52

Out: 429.851+/-219.188 χ^2/NDF:74.6/56

All: 374.475+/-154.507 χ^2/NDF: 123.8/109

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



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

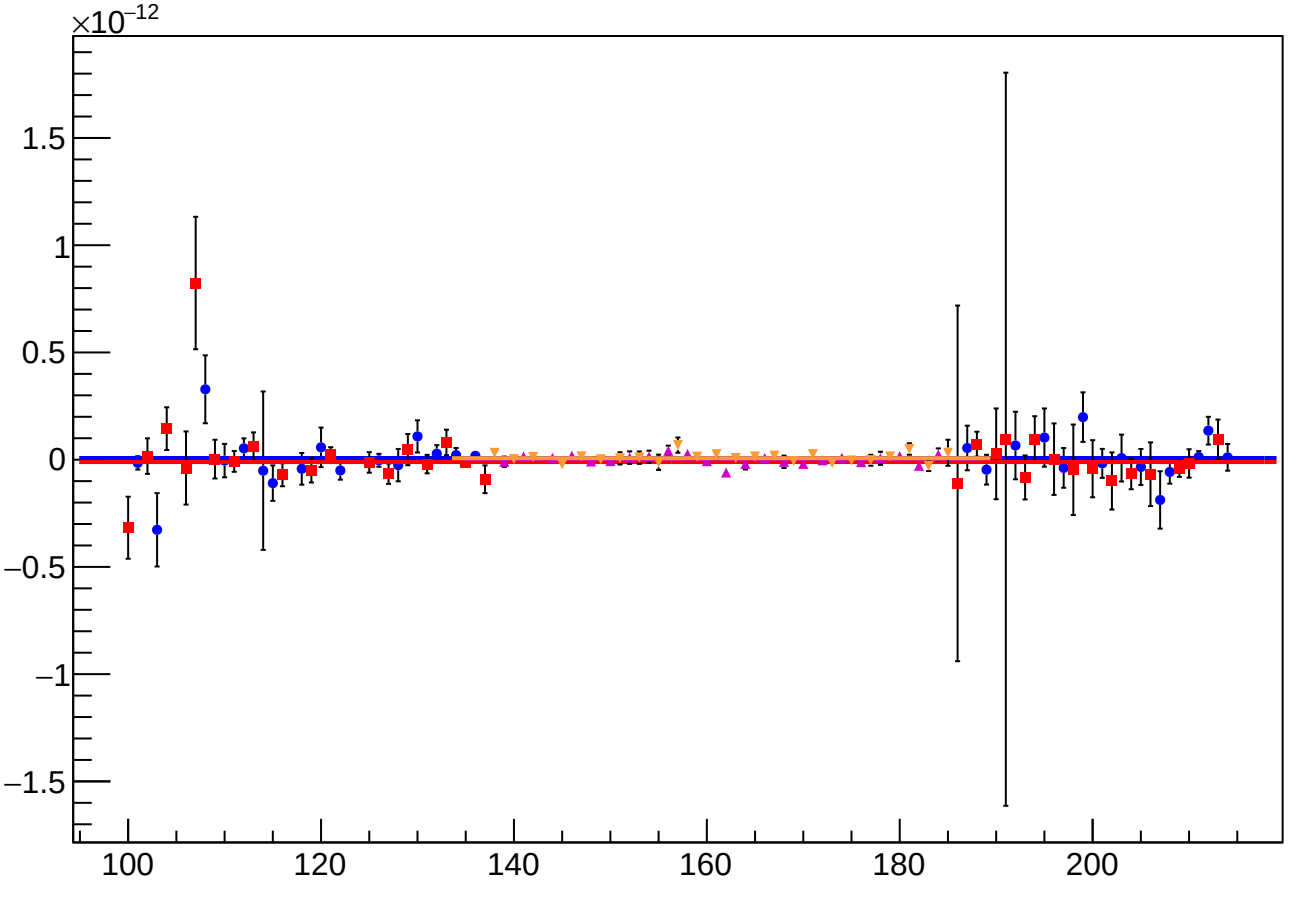
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1376.031+/-0.162 χ^2/NDF: 2287608.4/62

In: 1308.261+/-0.154 χ^2/NDF:1088714.6/52

Out: 1325.990+/-0.155 χ^2/NDF:1511078.5/56

All: 1317.071+/-0.109 χ^2/NDF: 2606376.0/10



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

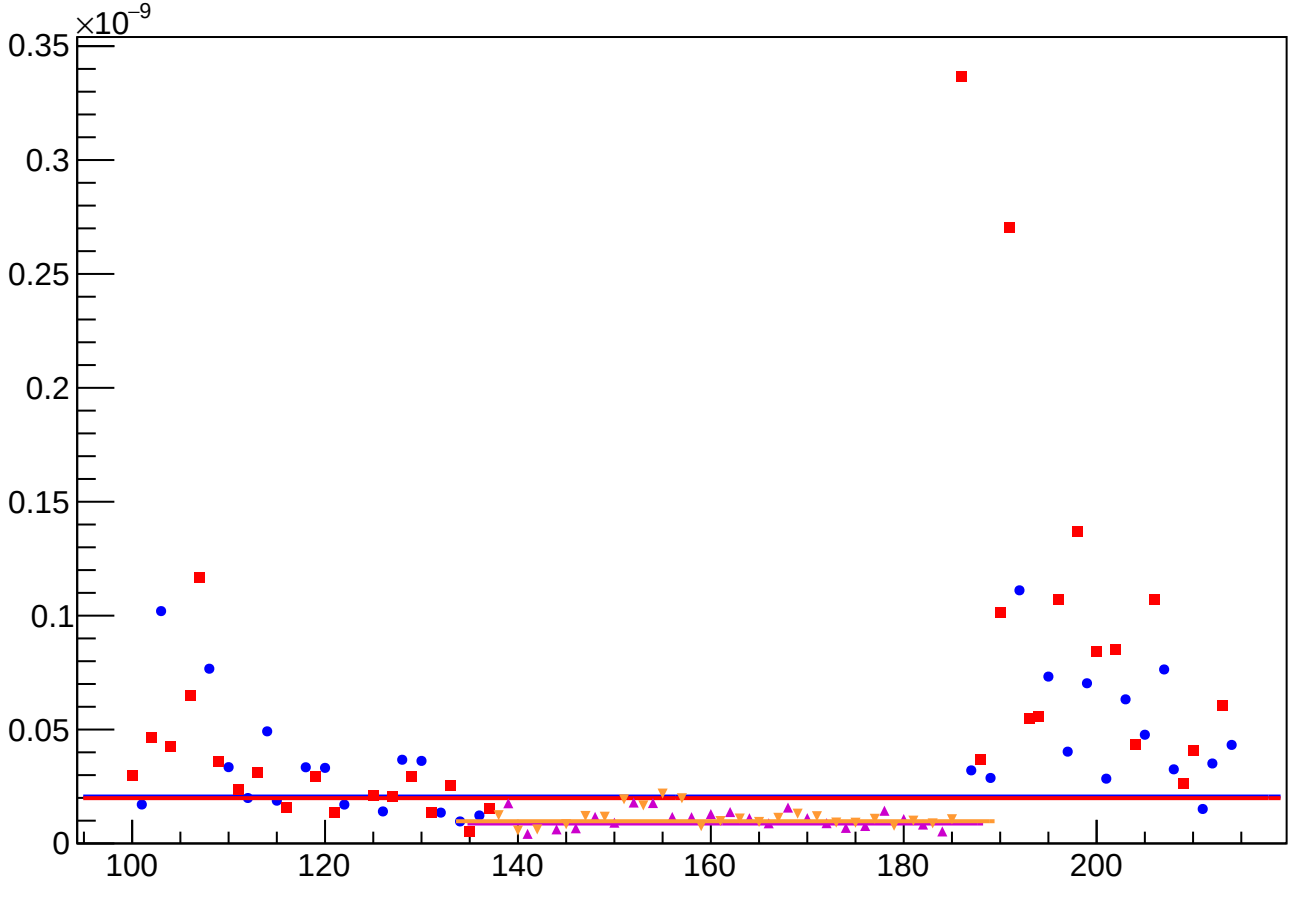
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 62.1/62

In: 0.000+/-0.000 χ^2/NDF:52.3/52

Out: 0.000+/-0.000 χ^2/NDF:53.7/56

All: 0.000+/-0.000 χ^2/NDF: 106.0/109



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

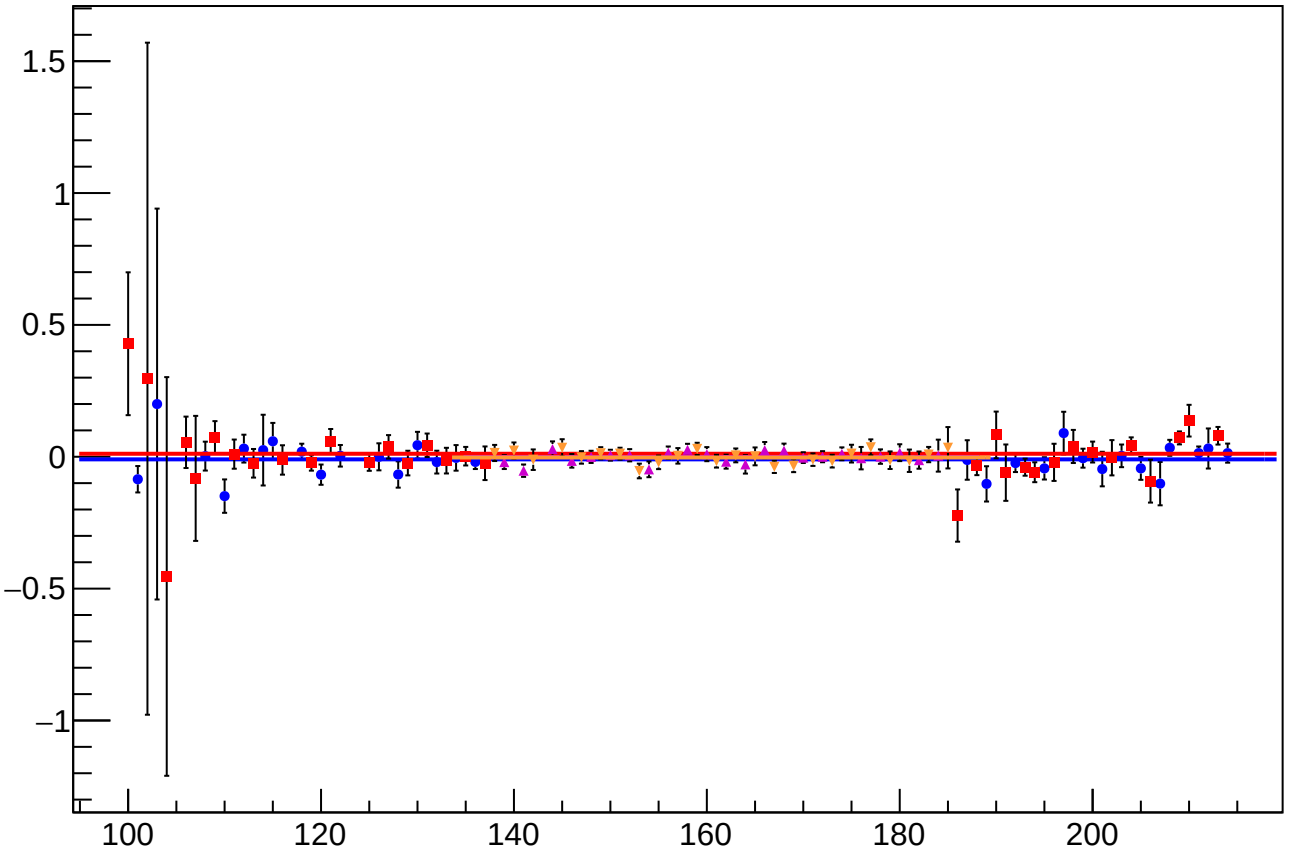
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 12480372.5/62

In: 0.000+/-0.000 χ^2/NDF:9499717.7/52

Out: 0.000+/-0.000 χ^2/NDF:11003656.4/56

All: 0.000+/-0.000 χ^2/NDF: 20559346.2/109



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

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

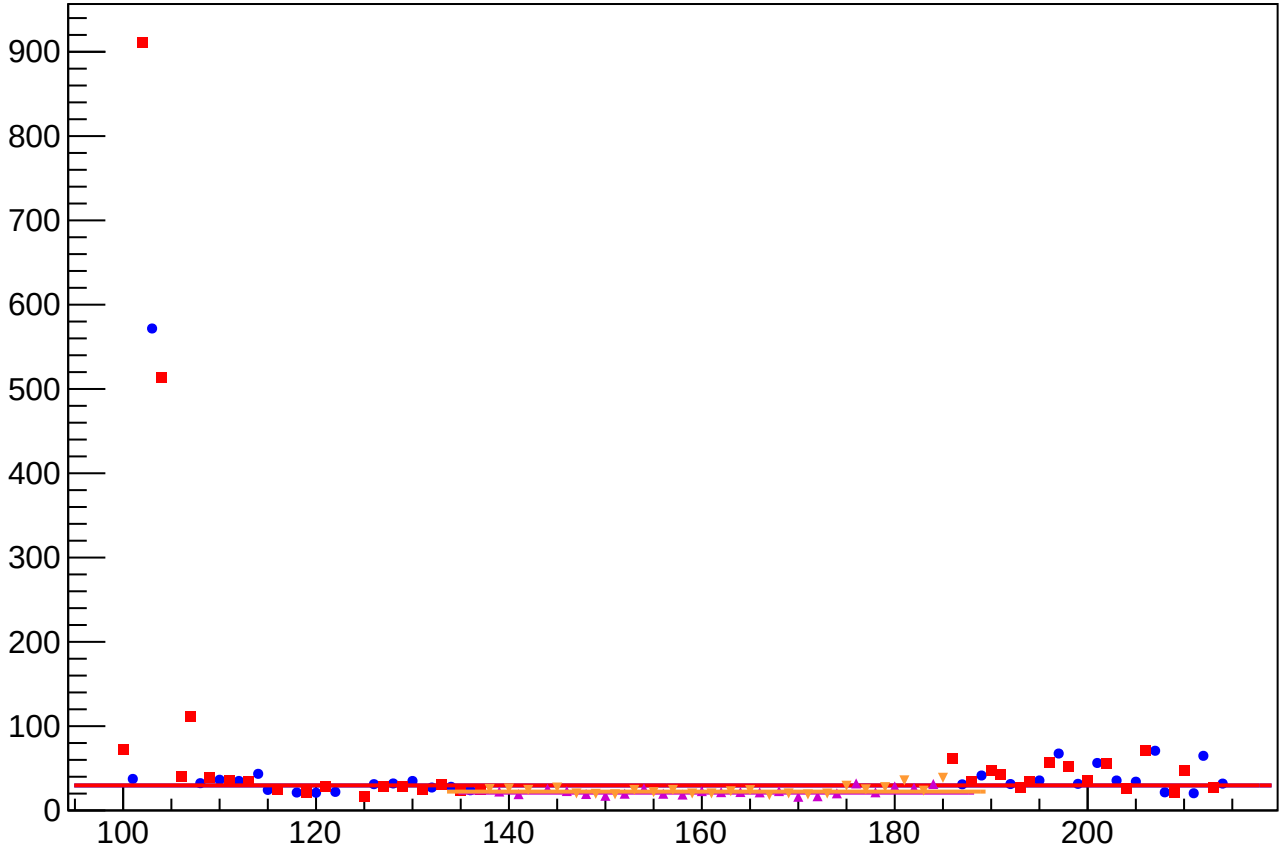
Right: 0.001+/-0.006 χ^2/NDF: 70.6/62

In: -0.004+/-0.005 χ^2/NDF:41.0/52

Out: 0.002+/-0.005 χ^2/NDF:60.3/56

All: -0.001+/-0.003 χ^2/NDF: 102.0/109

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

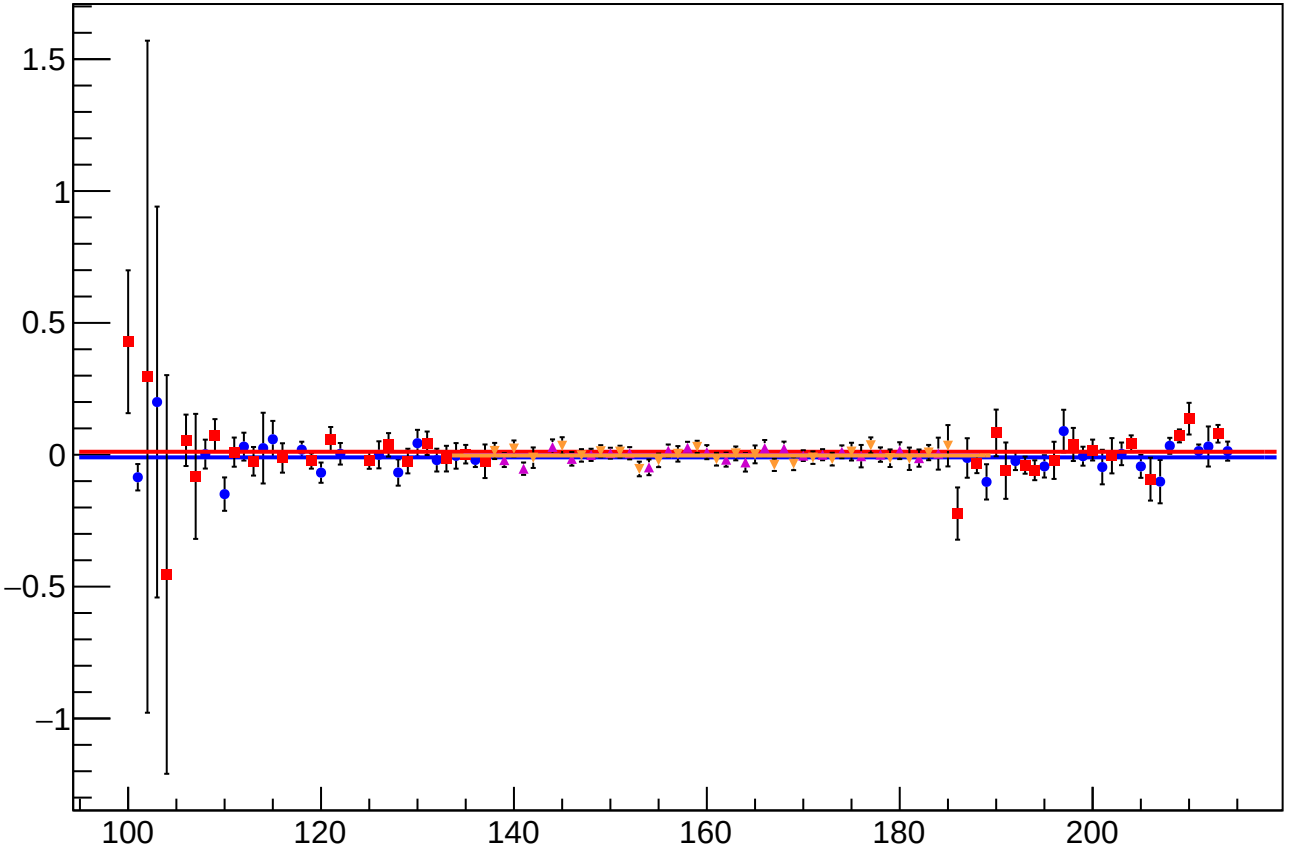
Right: 29.679+/-0.004 χ^2/NDF: 8992726.1/62

In: 23.771+/-0.003 χ^2/NDF:6291463.8/52

Out: 24.760+/-0.003 χ^2/NDF:6959338.3/56

All: 24.250+/-0.002 χ^2/NDF: 13297076.4/109

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

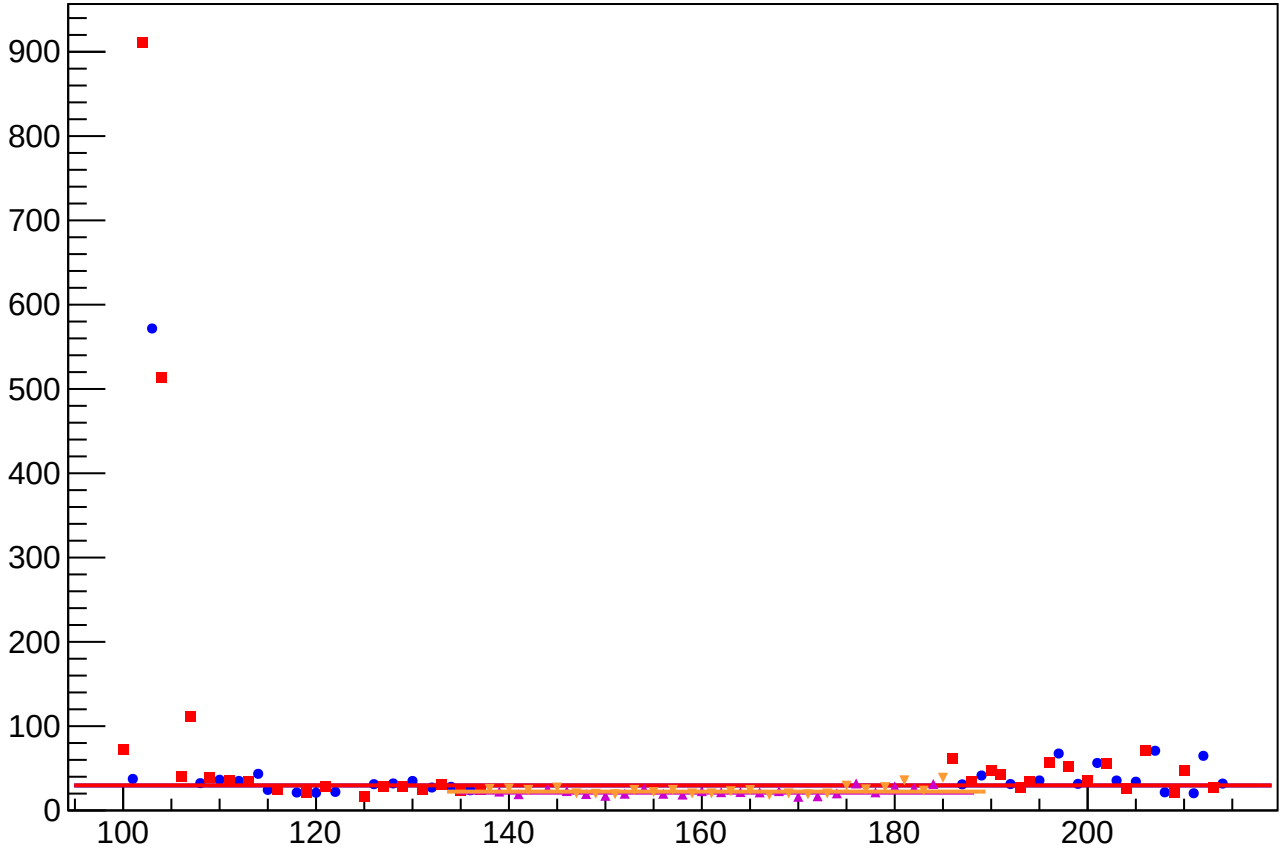
Right: 0.001+/-0.006 χ^2/NDF: 70.6/62

In: -0.004+/-0.005 χ^2/NDF:41.0/52

Out: 0.002+/-0.005 χ^2/NDF:60.3/56

All: -0.001+/-0.003 χ^2/NDF: 102.0/109

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

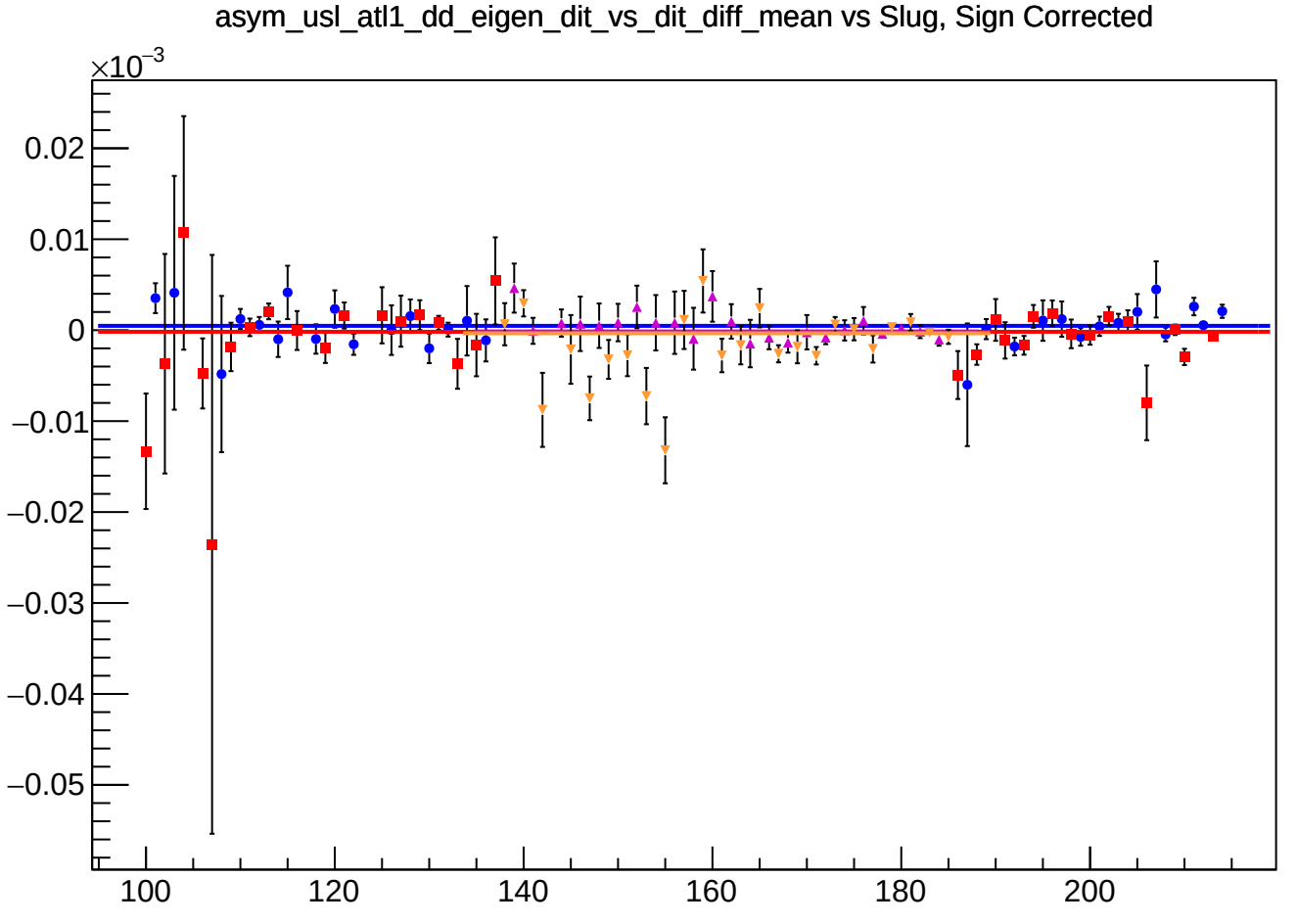
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 29.679+/-0.004 χ^2/NDF: 8992726.1/62

In: 23.771+/-0.003 χ^2/NDF:6291463.8/52

Out: 24.760+/-0.003 χ^2/NDF:6959338.3/56

All: 24.250+/-0.002 χ^2/NDF: 13297076.4/109



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

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

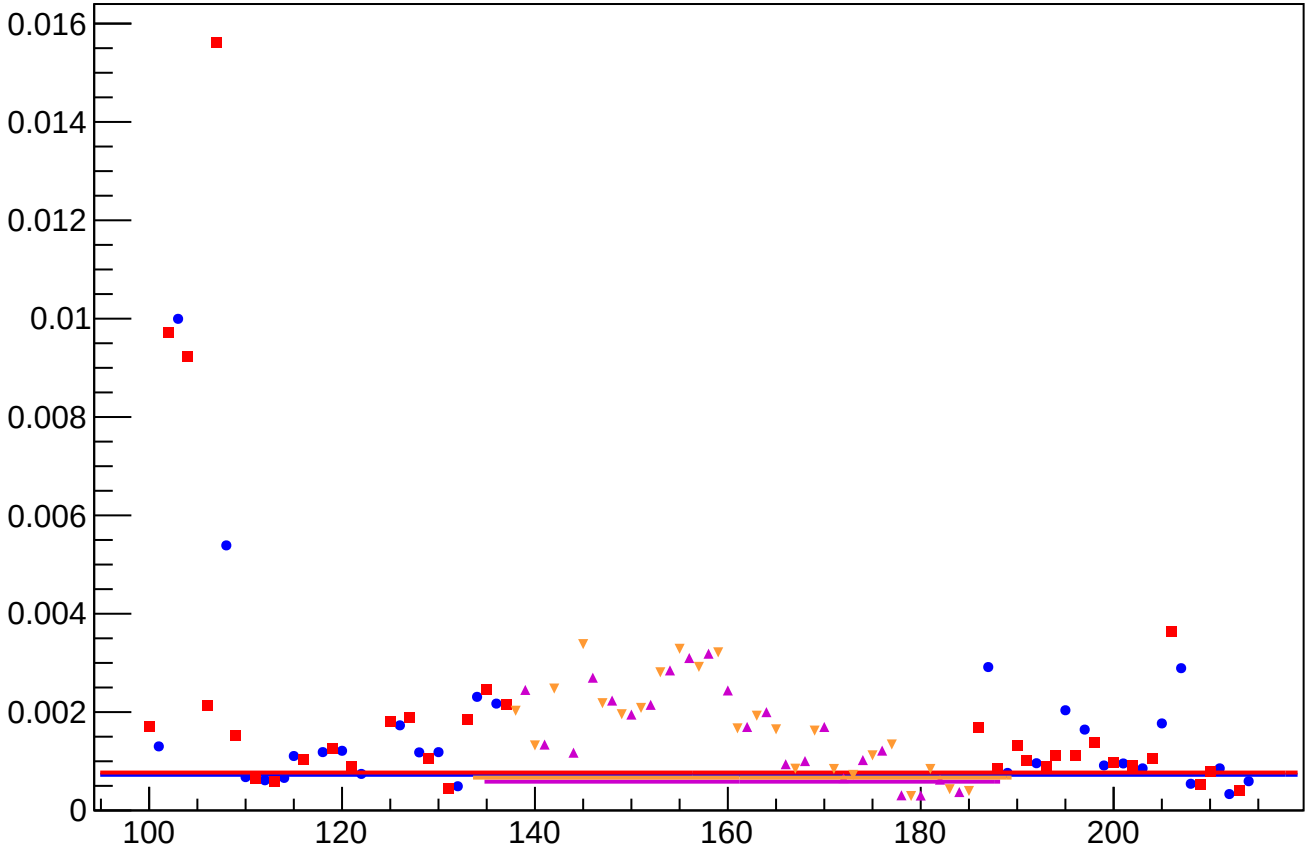
Right: 0.000+/-0.000 χ^2/NDF: 97.9/62

In: 0.000+/-0.000 χ^2/NDF:55.9/52

Out: -0.000+/-0.000 χ^2/NDF:124.9/56

All: -0.000+/-0.000 χ^2/NDF: 184.6/109

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

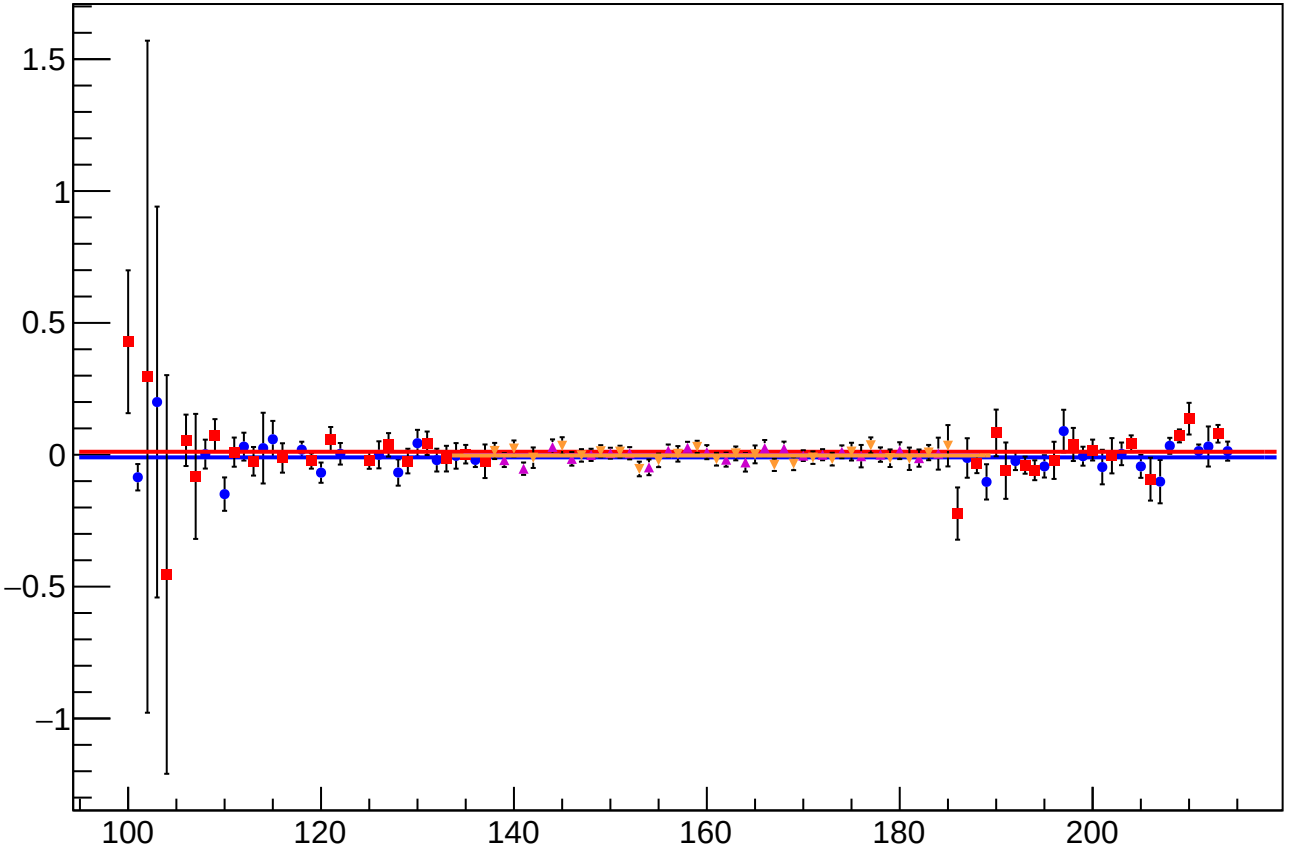
Right: 0.001+/-0.000 χ^2/NDF: 18231990.1/62

In: 0.001+/-0.000 χ^2/NDF:25540817.0/52

Out: 0.001+/-0.000 χ^2/NDF:24417300.5/56

All: 0.001+/-0.000 χ^2/NDF: 50178768.1/109

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

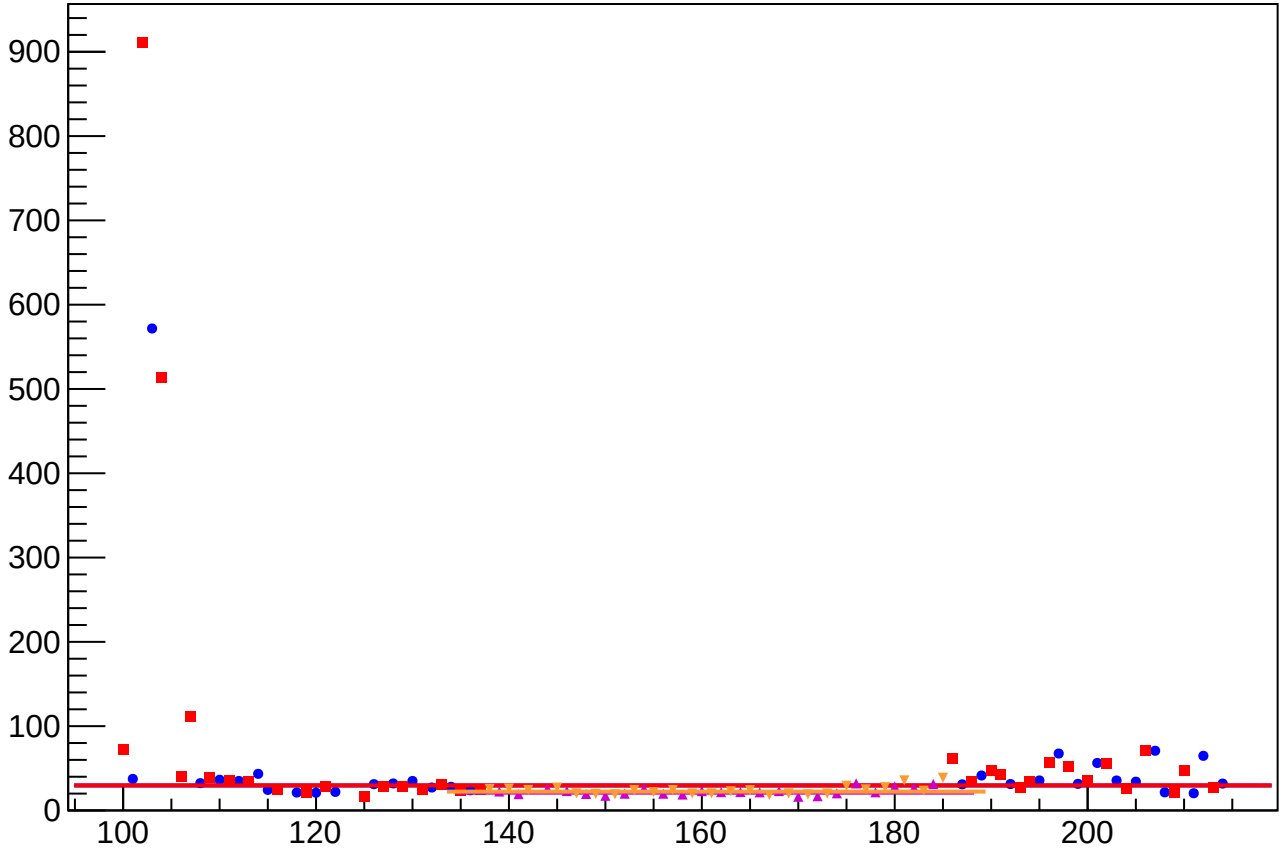
Right: 0.001+/-0.006 χ^2/NDF: 70.6/62

In: -0.004+/-0.005 χ^2/NDF:41.0/52

Out: 0.002+/-0.005 χ^2/NDF:60.3/56

All: -0.001+/-0.003 χ^2/NDF: 102.0/109

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

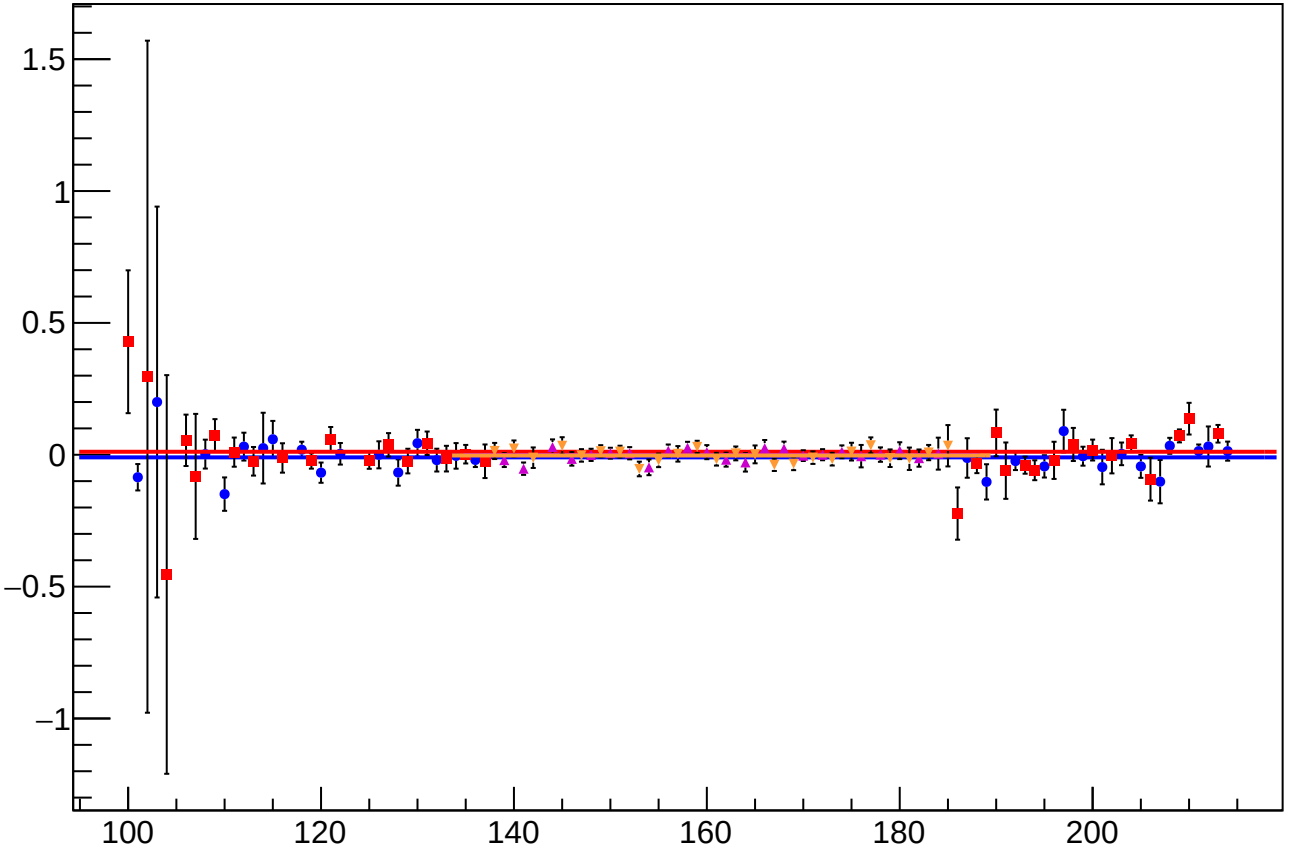
Right: 29.679+/-0.004 χ^2/NDF: 8992837.0/62

In: 23.771+/-0.003 χ^2/NDF:6291550.6/52

Out: 24.760+/-0.003 χ^2/NDF:6959396.4/56

All: 24.250+/-0.002 χ^2/NDF: 13297220.7/109

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

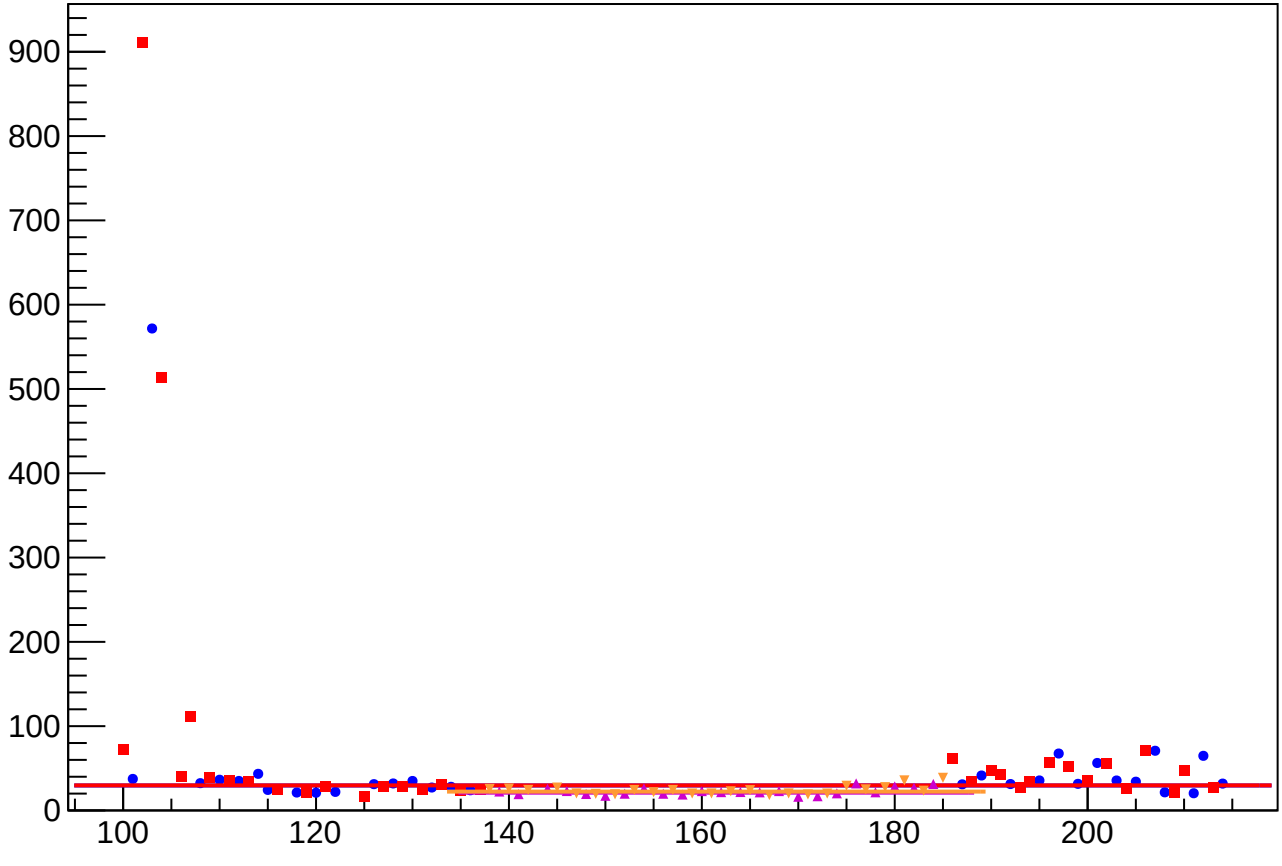
Right: 0.001+/-0.006 χ^2/NDF: 70.6/62

In: -0.004+/-0.005 χ^2/NDF:41.0/52

Out: 0.002+/-0.005 χ^2/NDF:60.3/56

All: -0.001+/-0.003 χ^2/NDF: 102.0/109

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

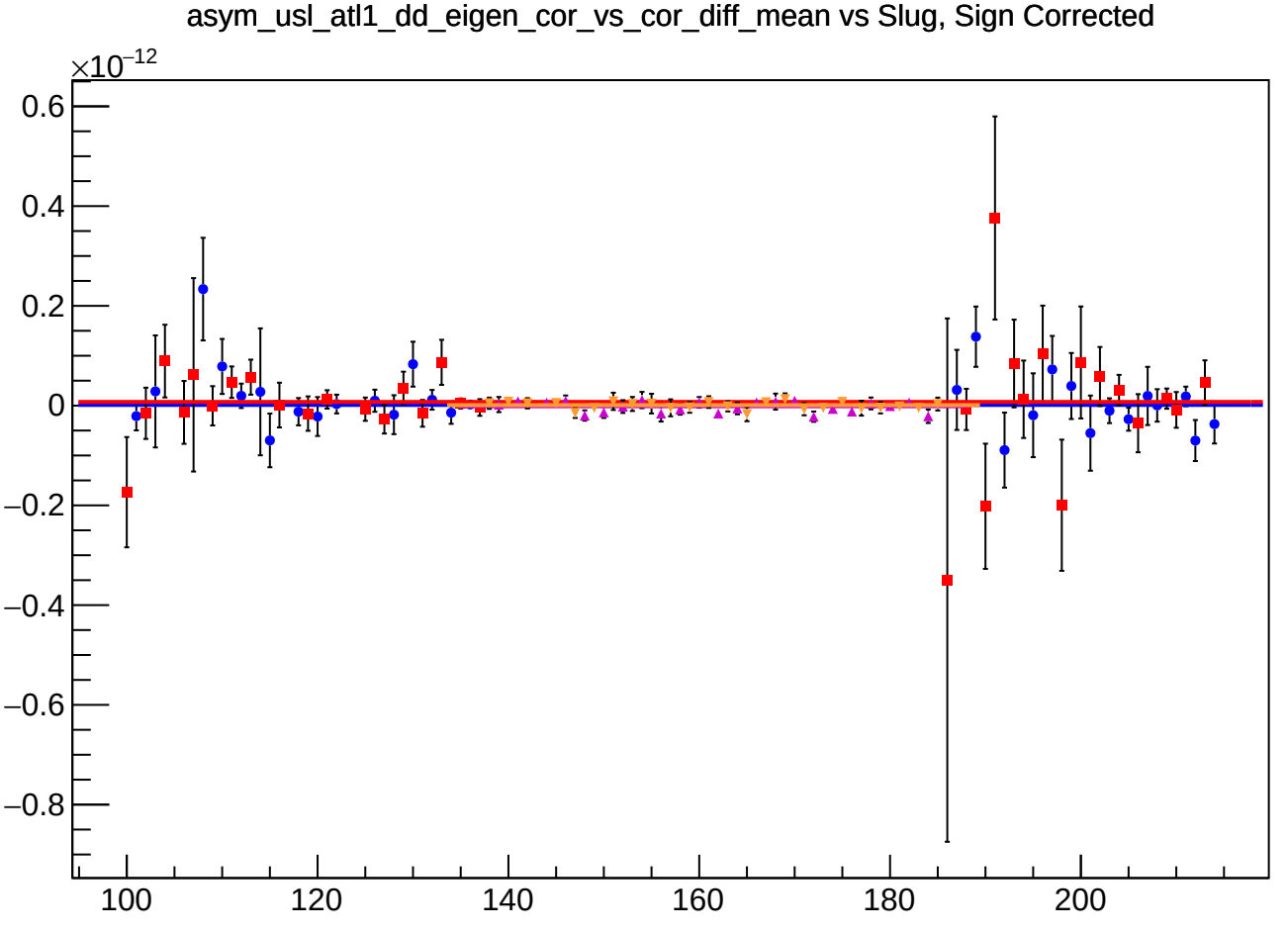
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 29.679+/-0.004 χ^2/NDF: 8992837.0/62

In: 23.771+/-0.003 χ^2/NDF:6291550.6/52

Out: 24.760+/-0.003 χ^2/NDF:6959396.4/56

All: 24.250+/-0.002 χ^2/NDF: 13297220.7/109



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

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

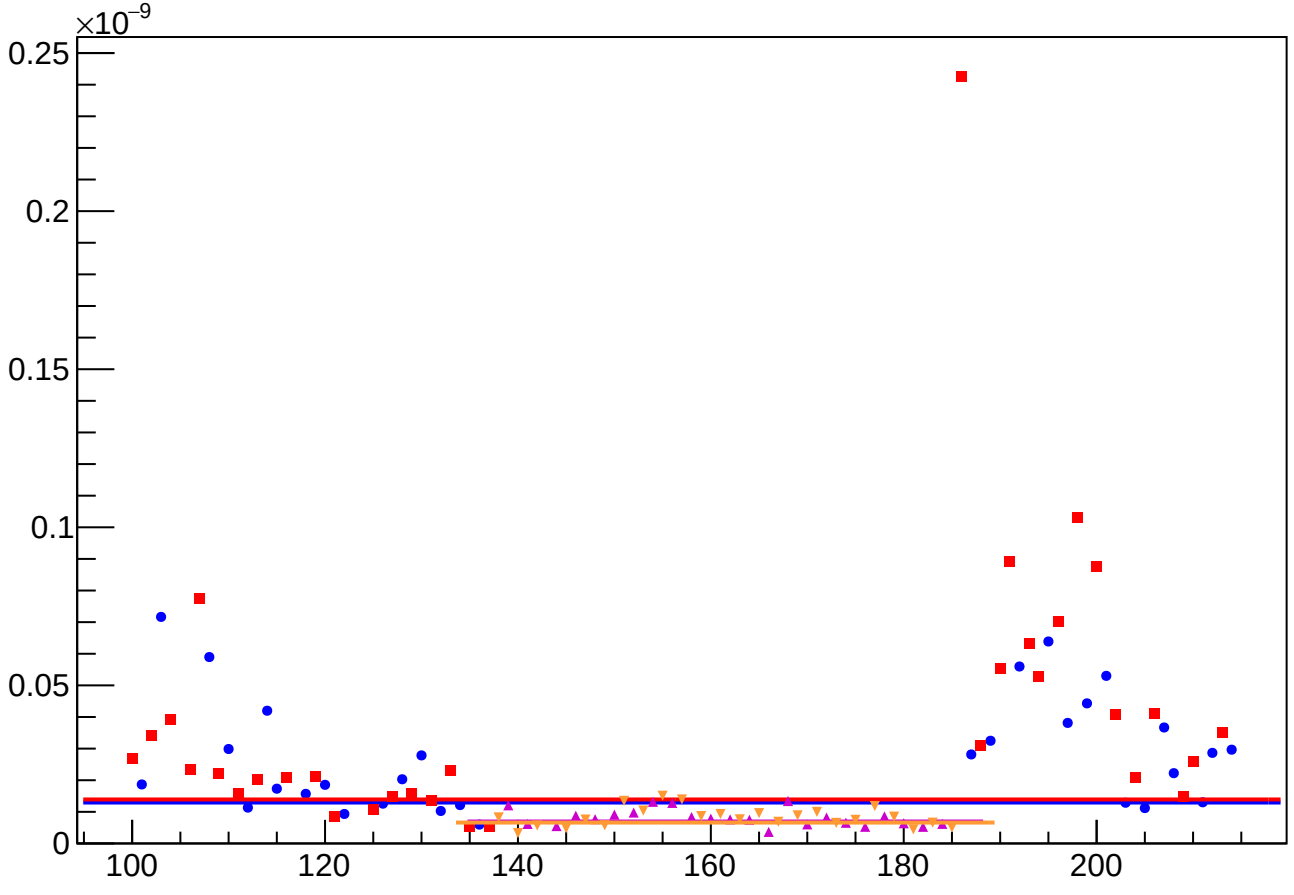
Right: 0.000+/-0.000 χ^2/NDF: 60.9/62

In: -0.000+/-0.000 χ^2/NDF:56.5/52

Out: 0.000+/-0.000 χ^2/NDF:42.5/56

All: 0.000+/-0.000 χ^2/NDF: 100.0/109

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

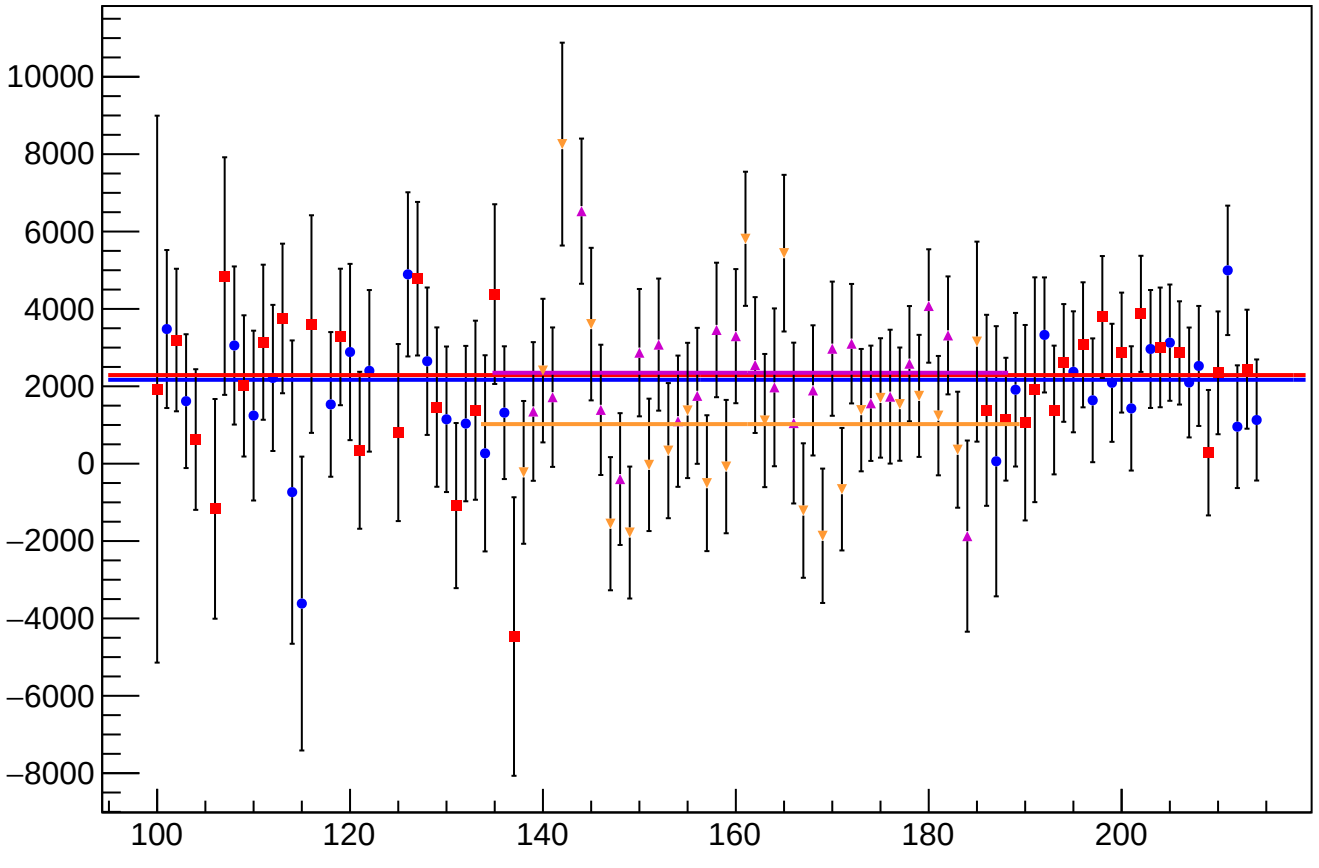
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 17137951.5/62

In: 0.000+/-0.000 χ^2/NDF:12102420.2/52

Out: 0.000+/-0.000 χ^2/NDF:16422464.8/56

All: 0.000+/-0.000 χ^2/NDF: 28556958.7/109



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

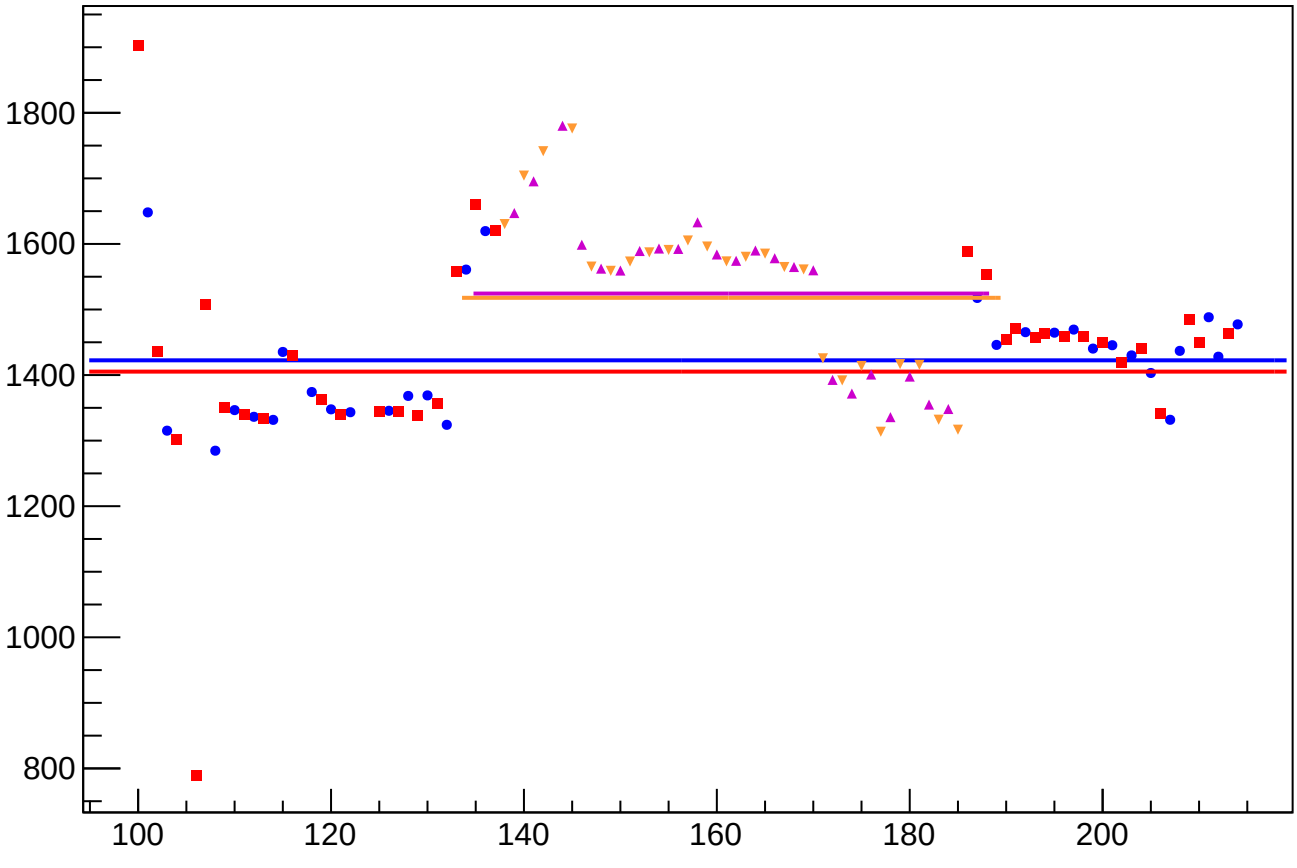
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2229.400+/-234.538 χ^2/NDF: 33.3/62

In: 2252.180+/-243.517 χ^2/NDF:29.2/52

Out: 1698.964+/-241.378 χ^2/NDF:63.5/56

All: 1973.131+/-171.431 χ^2/NDF: 95.3/109



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

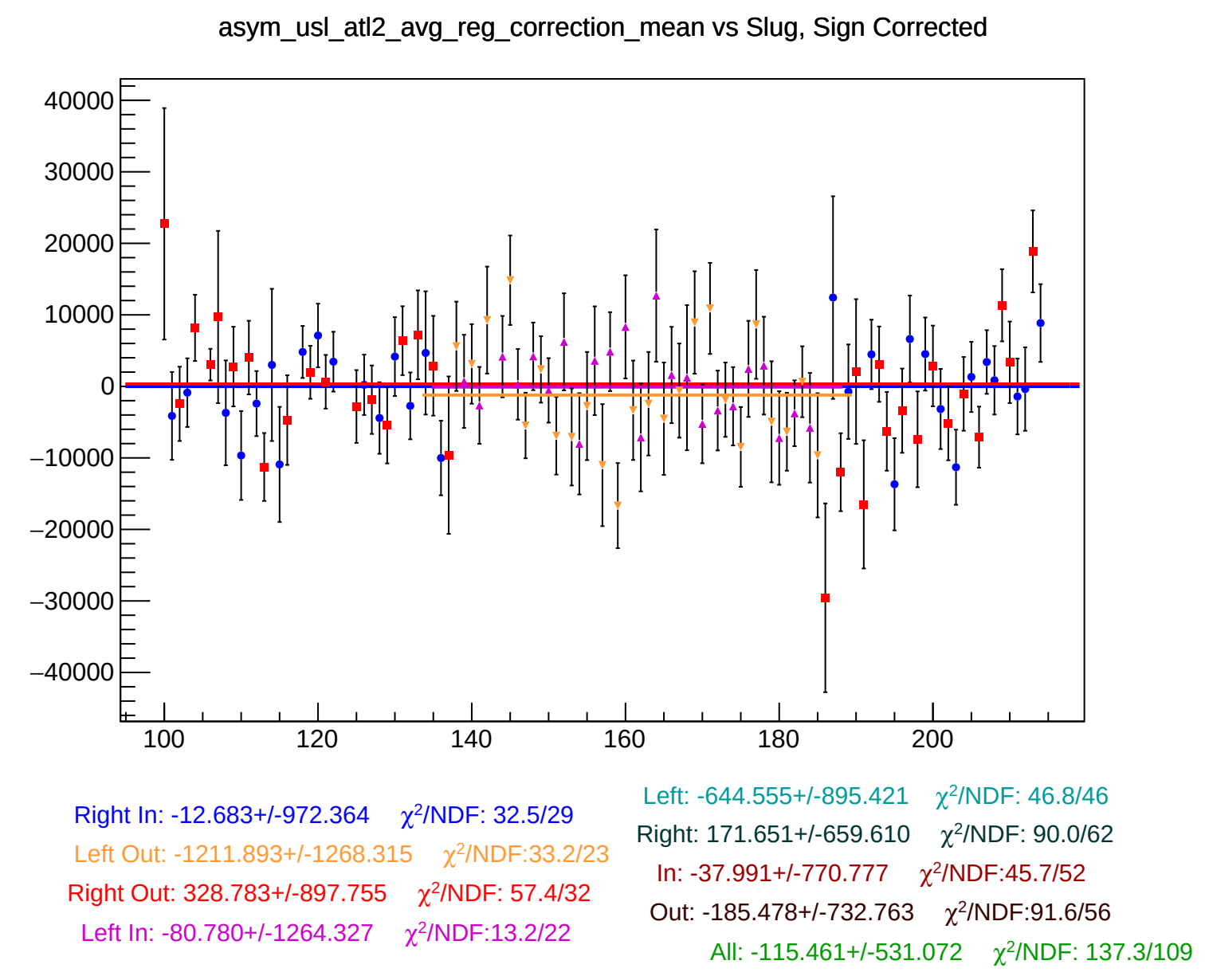
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

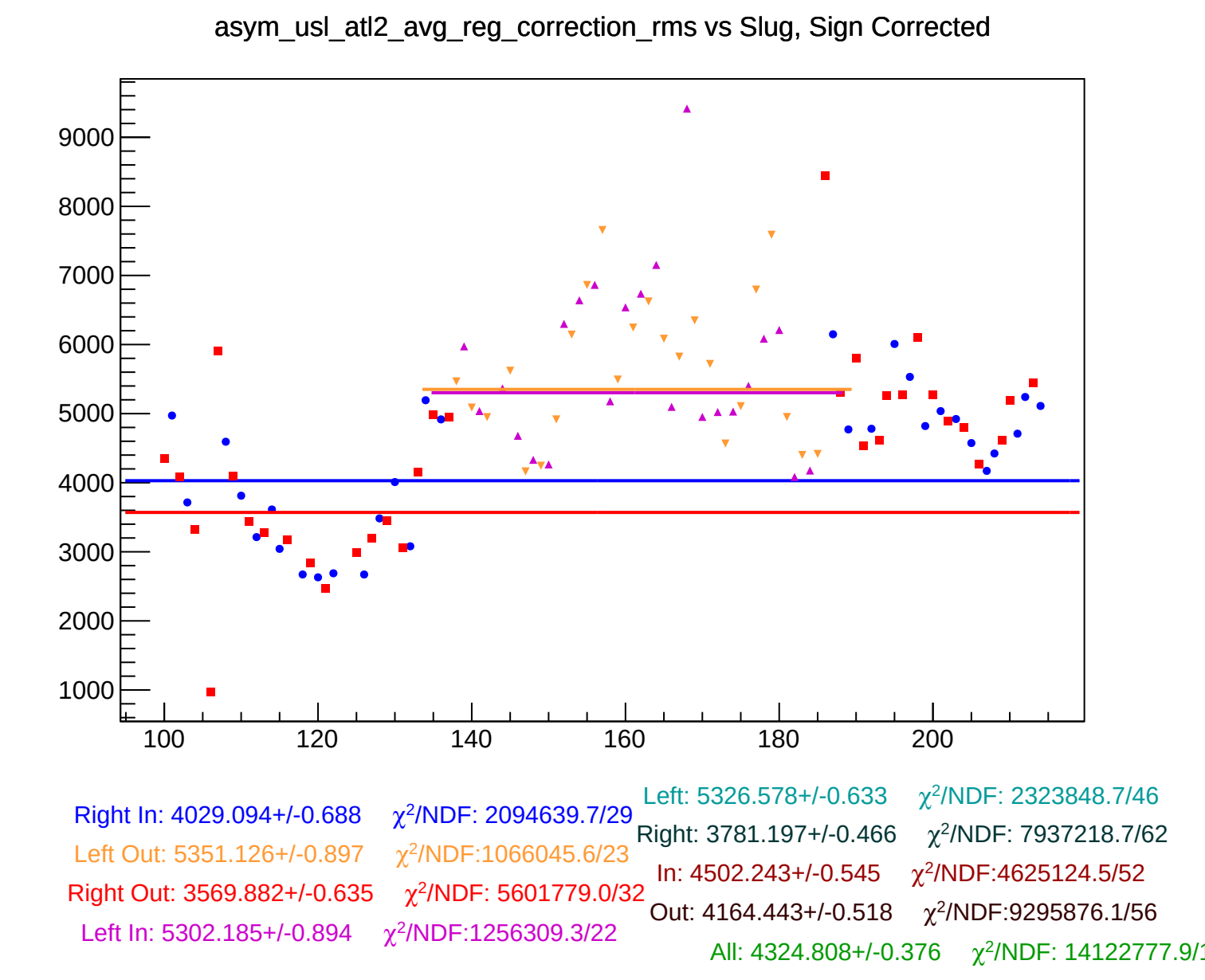
Right: 1413.692+/-0.165 χ^2/NDF: 532185.1/62

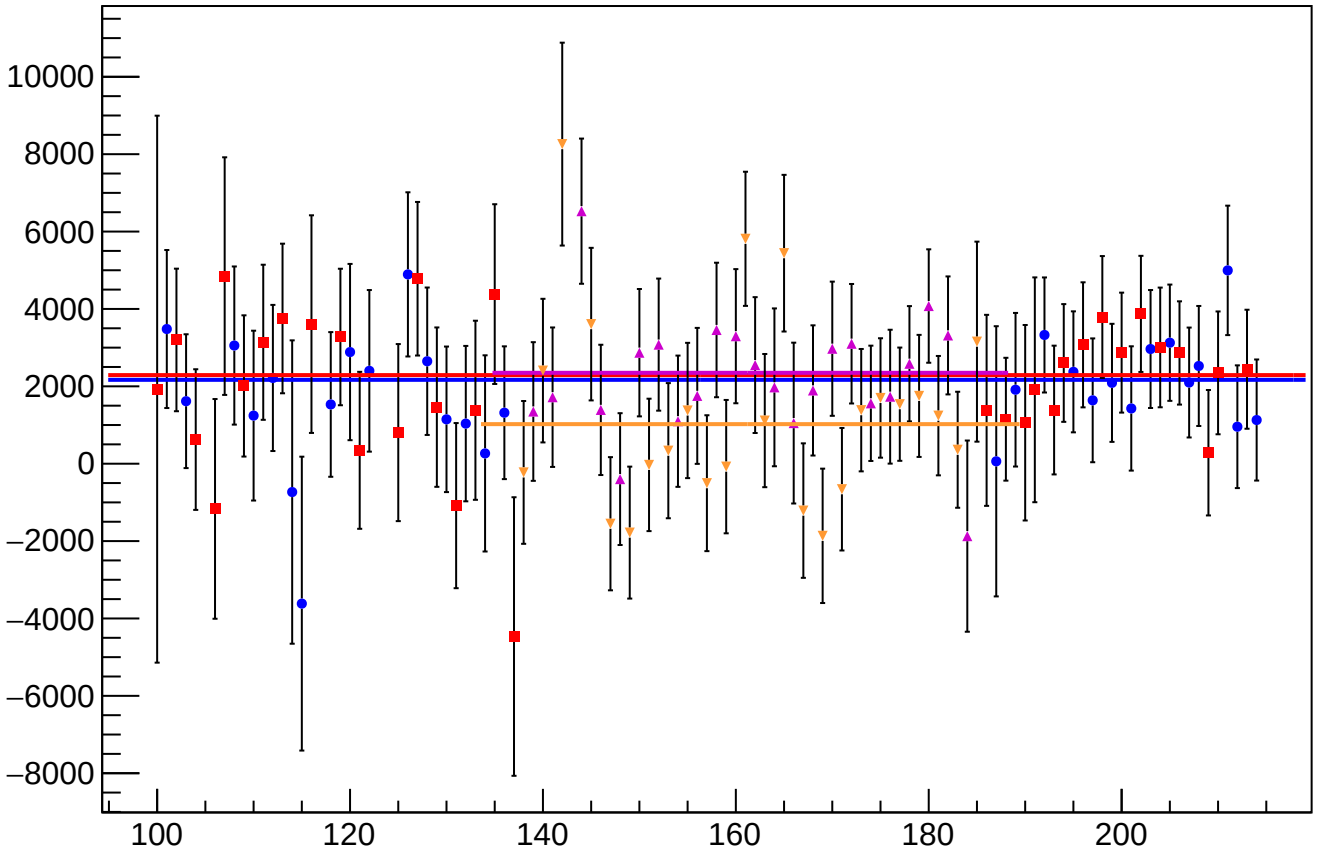
In: 1469.843+/-0.172 χ^2/NDF:431165.8/52

Out: 1457.020+/-0.169 χ^2/NDF:753125.4/56

All: 1463.330+/-0.121 χ^2/NDF: 1187108.1/10


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -12.683+/-972.364 χ²/NDF: 32.5/29
Left Out: -1211.893+/-1268.315 χ²/NDF:33.2/23
Right Out: 328.783+/-897.755 χ²/NDF: 57.4/32
Left In: -80.780+/-1264.327 χ²/NDF:13.2/22
Left: -644.555+/-895.421 χ²/NDF: 46.8/46
Right: 171.651+/-659.610 χ²/NDF: 90.0/62
In: -37.991+/-770.777 χ²/NDF:45.7/52
Out: -185.478+/-732.763 χ²/NDF:91.6/56
All: -115.461+/-531.072 χ²/NDF: 137.3/109


asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 4029.094+/-0.688 χ²/NDF: 2094639.7/29
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3569.882+/-0.635 χ²/NDF: 5601779.0/32
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3781.197+/-0.466 χ²/NDF: 7937218.7/62
In: 4502.243+/-0.545 χ²/NDF:4625124.5/52
Out: 4164.443+/-0.518 χ²/NDF:9295876.1/56
All: 4324.808+/-0.376 χ²/NDF: 14122777.9/1



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

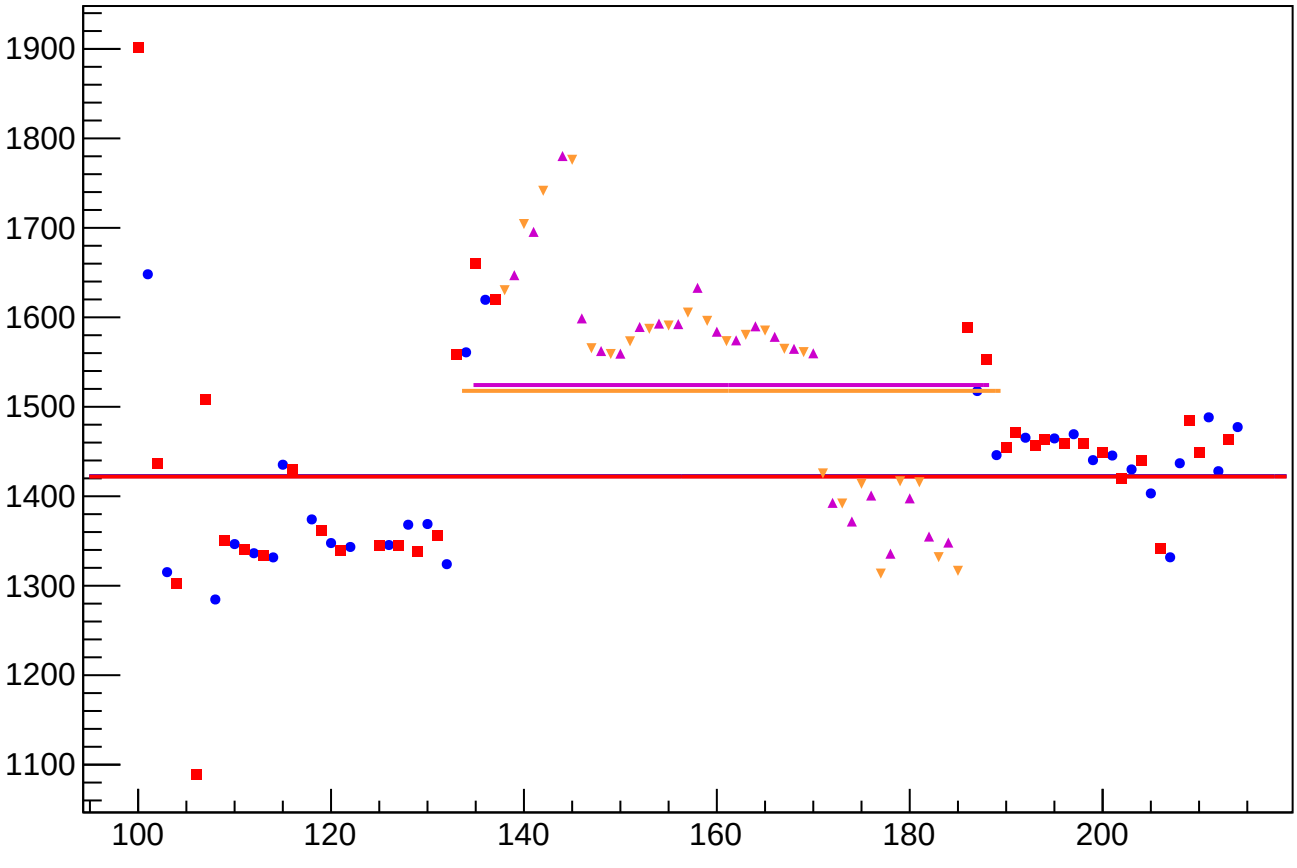
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2229.429+/-234.538 χ^2/NDF: 33.3/62

In: 2252.174+/-243.517 χ^2/NDF:29.2/52

Out: 1699.011+/-241.378 χ^2/NDF:63.5/56

All: 1973.152+/-171.431 χ^2/NDF: 95.3/109



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

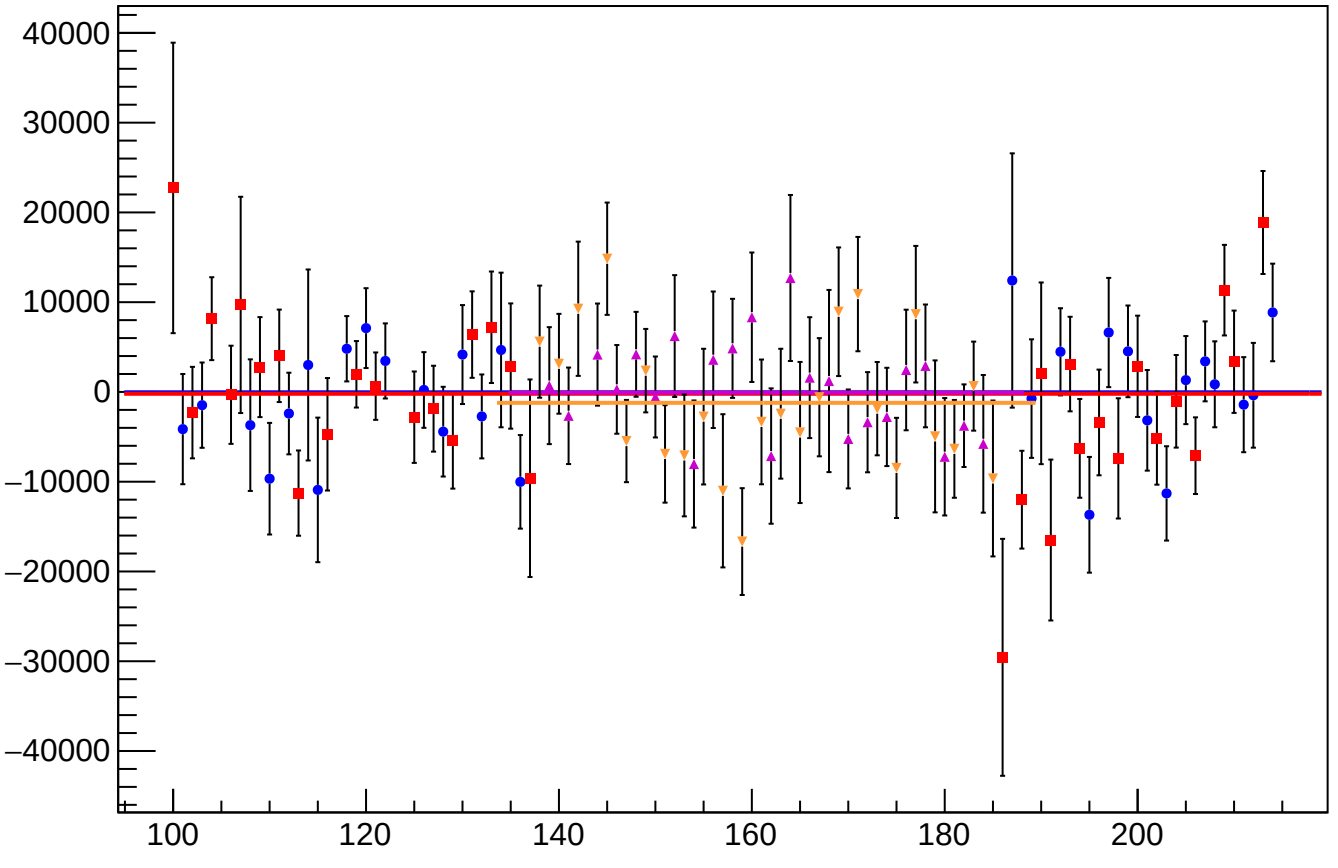
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1422.236+/-0.165 χ^2/NDF: 291138.3/62

In: 1469.843+/-0.172 χ^2/NDF:431165.9/52

Out: 1466.424+/-0.170 χ^2/NDF:484092.0/56

All: 1468.113+/-0.121 χ^2/NDF: 915457.3/109



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

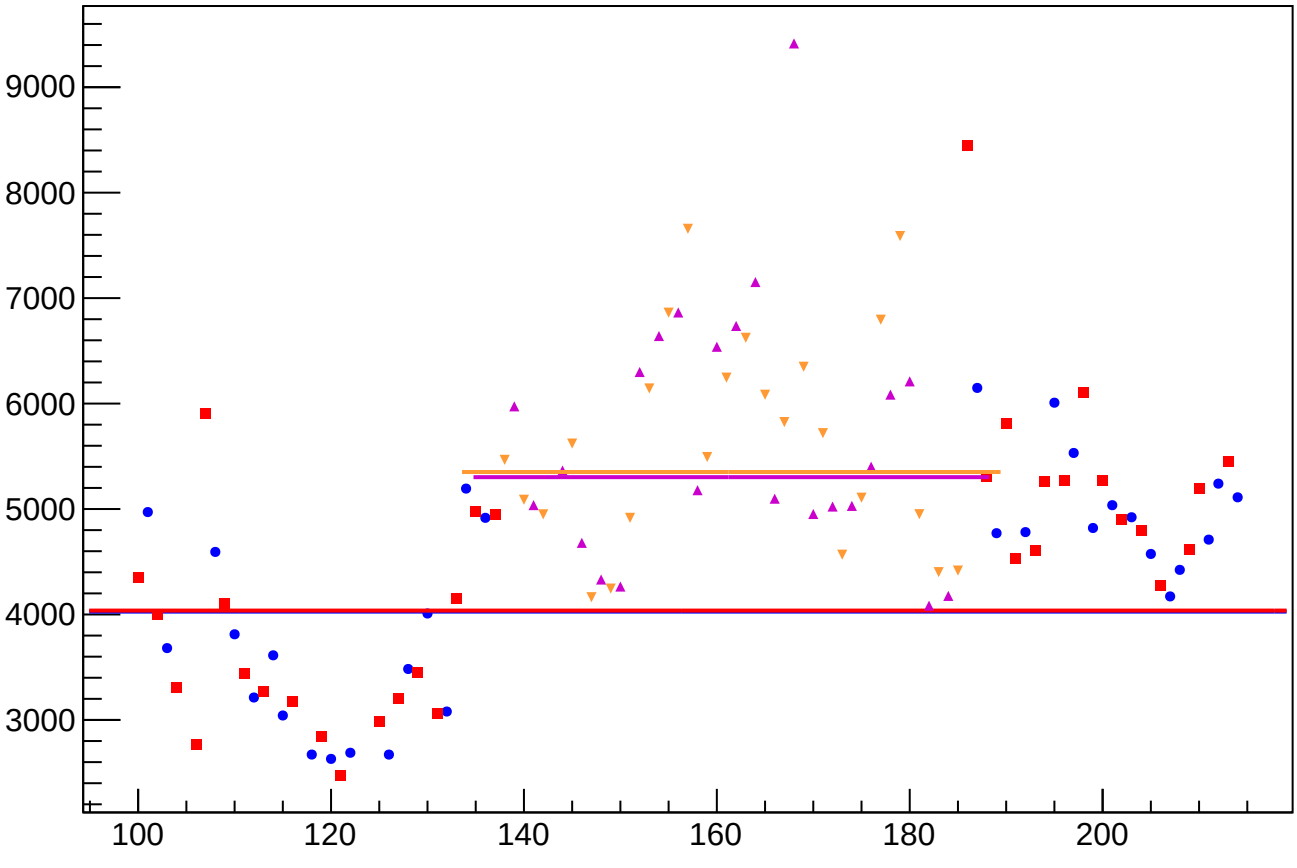
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -122.048+/-685.104 χ^2/NDF: 88.2/62

In: -54.269+/-770.568 χ^2/NDF:45.7/52

Out: -574.201+/-768.409 χ^2/NDF:89.3/56

All: -314.964+/-544.109 χ^2/NDF: 135.2/109



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

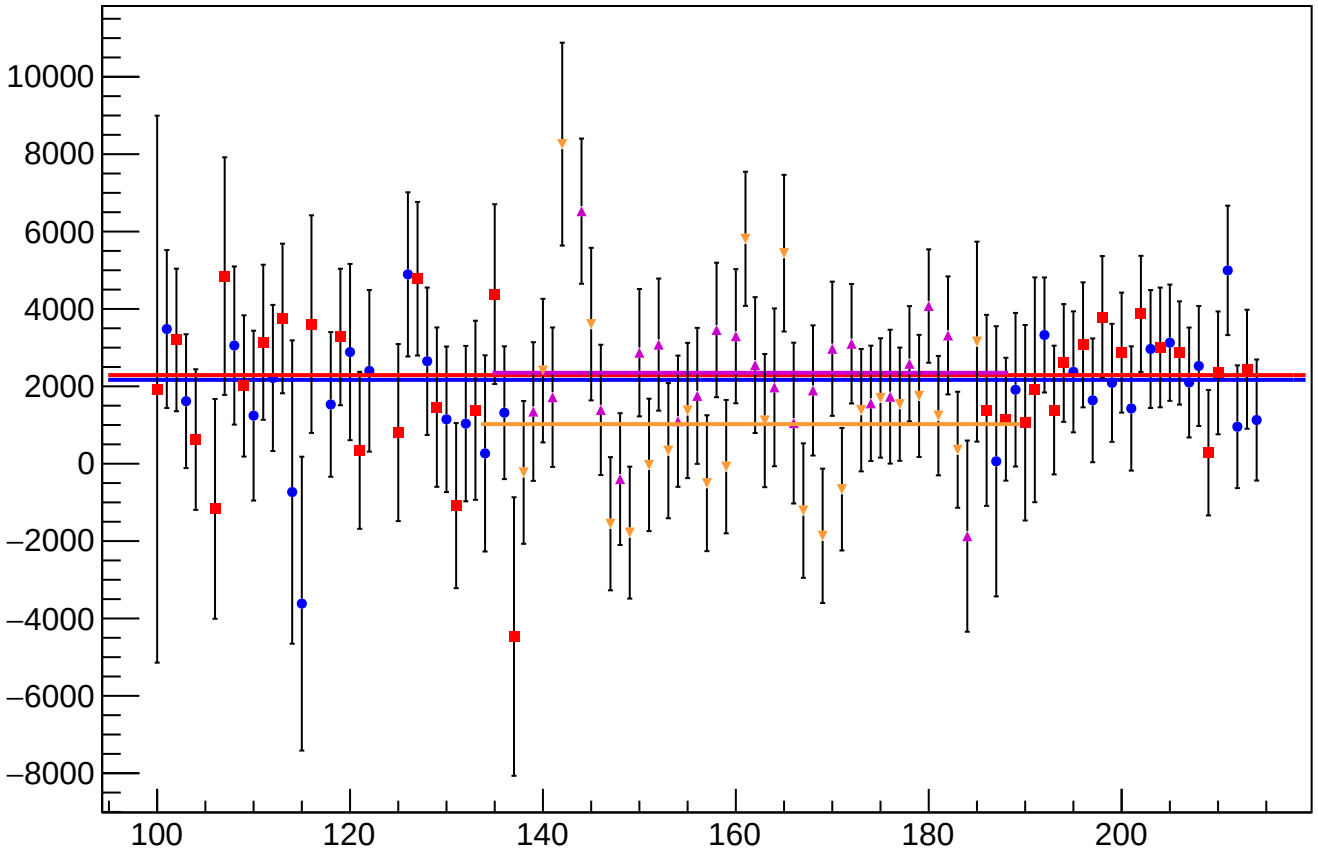
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 4032.246+/-0.484 χ^2/NDF: 4509469.1/62

In: 4500.925+/-0.545 χ^2/NDF:4630963.3/52

Out: 4519.373+/-0.543 χ^2/NDF:4837668.7/56

All: 4510.175+/-0.385 χ^2/NDF: 9469206.8/10



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

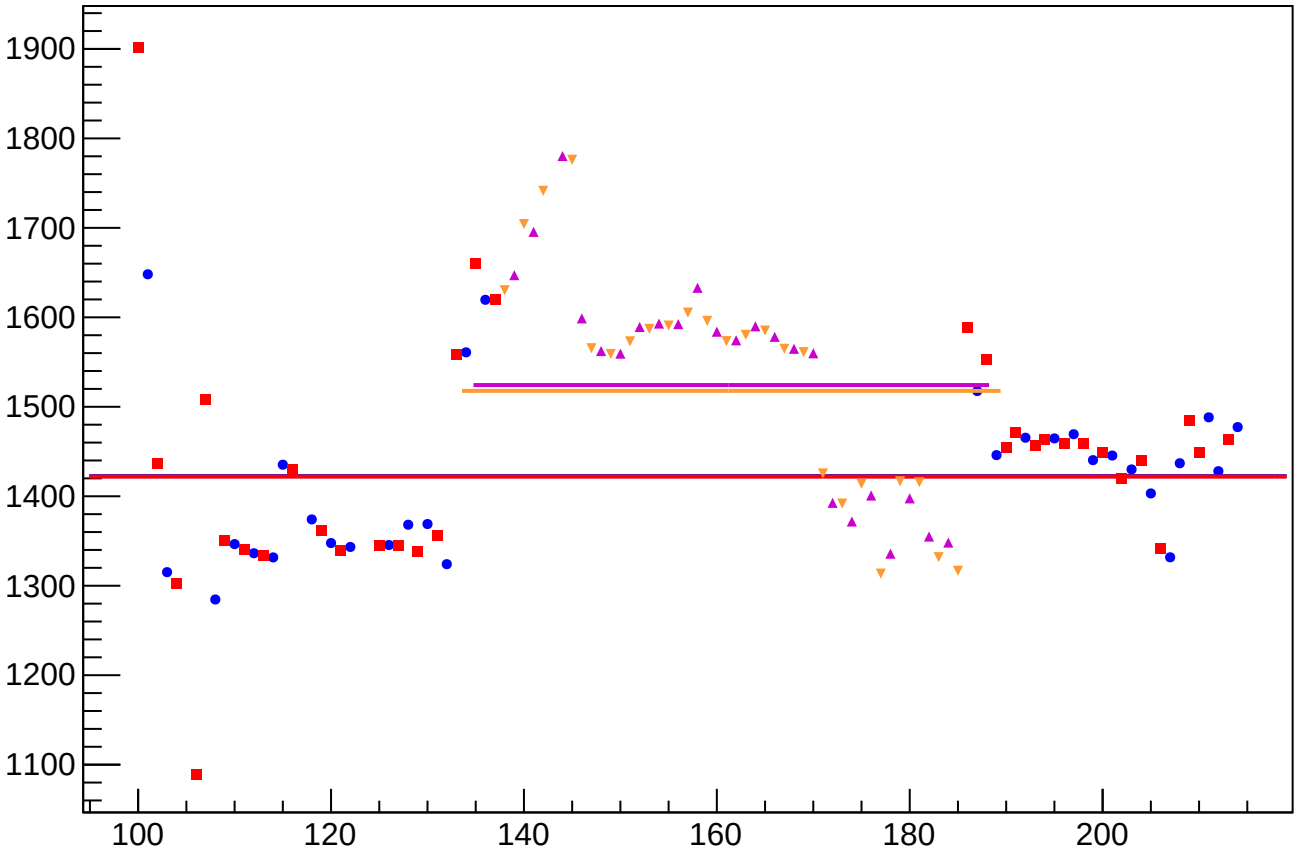
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2229.429+/-234.538 χ^2/NDF: 33.3/62

In: 2252.174+/-243.517 χ^2/NDF:29.2/52

Out: 1699.011+/-241.378 χ^2/NDF:63.5/56

All: 1973.152+/-171.431 χ^2/NDF: 95.3/109



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

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

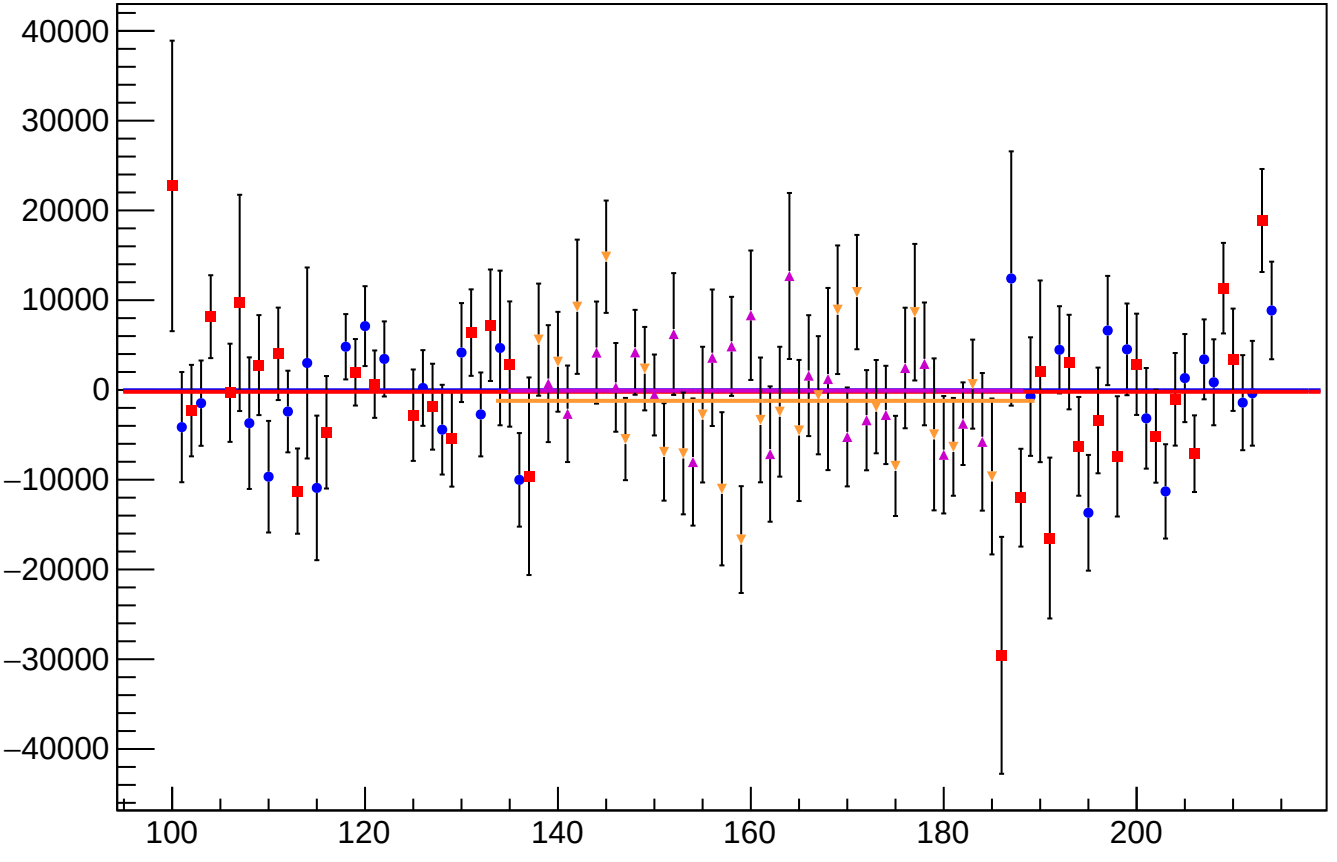
Right: 1422.236+/-0.165 χ^2/NDF: 291138.3/62

In: 1469.843+/-0.172 χ^2/NDF:431165.9/52

Out: 1466.424+/-0.170 χ^2/NDF:484092.0/56

All: 1468.113+/-0.121 χ^2/NDF: 915457.3/109

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

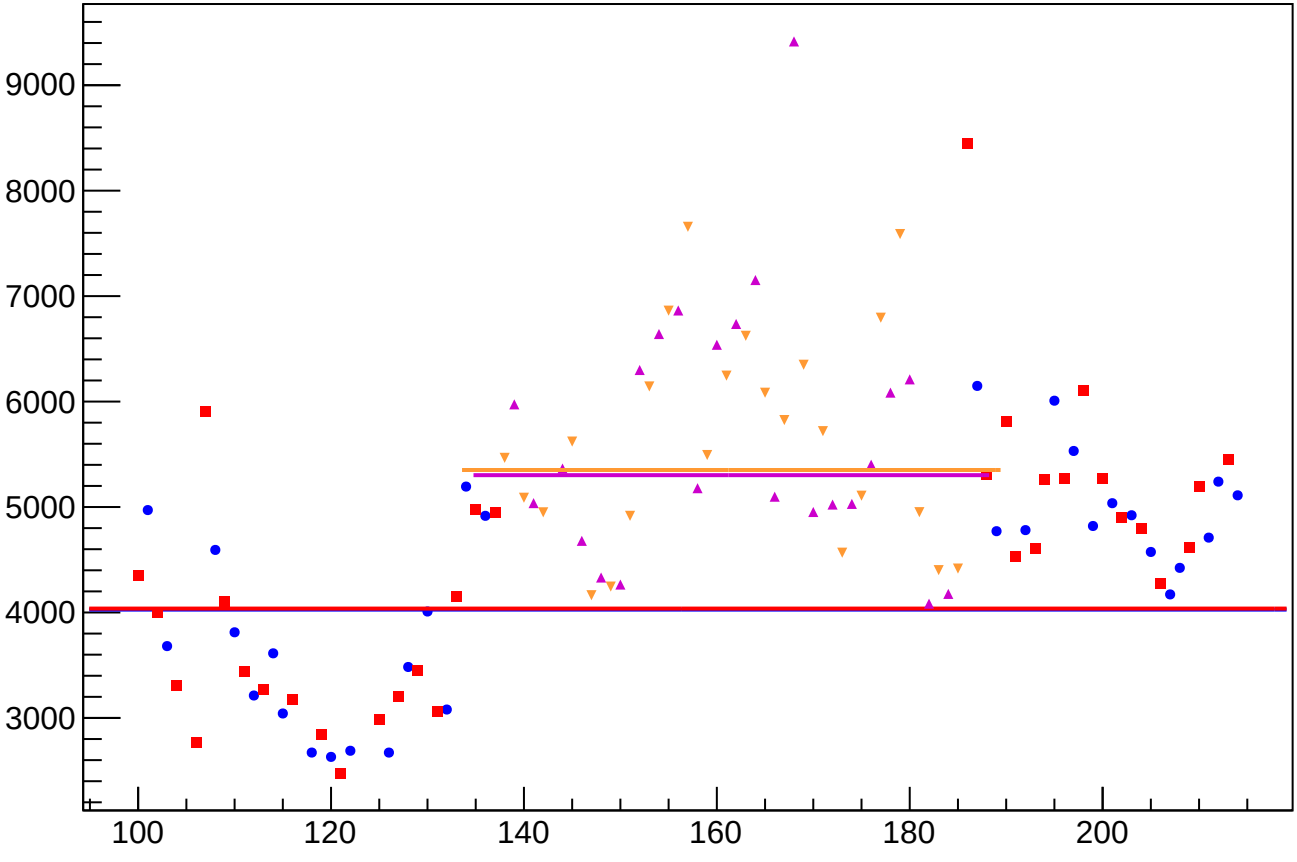
Right: -122.048+/-685.104 χ^2/NDF: 88.2/62

In: -54.269+/-770.568 χ^2/NDF:45.7/52

Out: -574.201+/-768.409 χ^2/NDF:89.3/56

All: -314.964+/-544.109 χ^2/NDF: 135.2/109

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

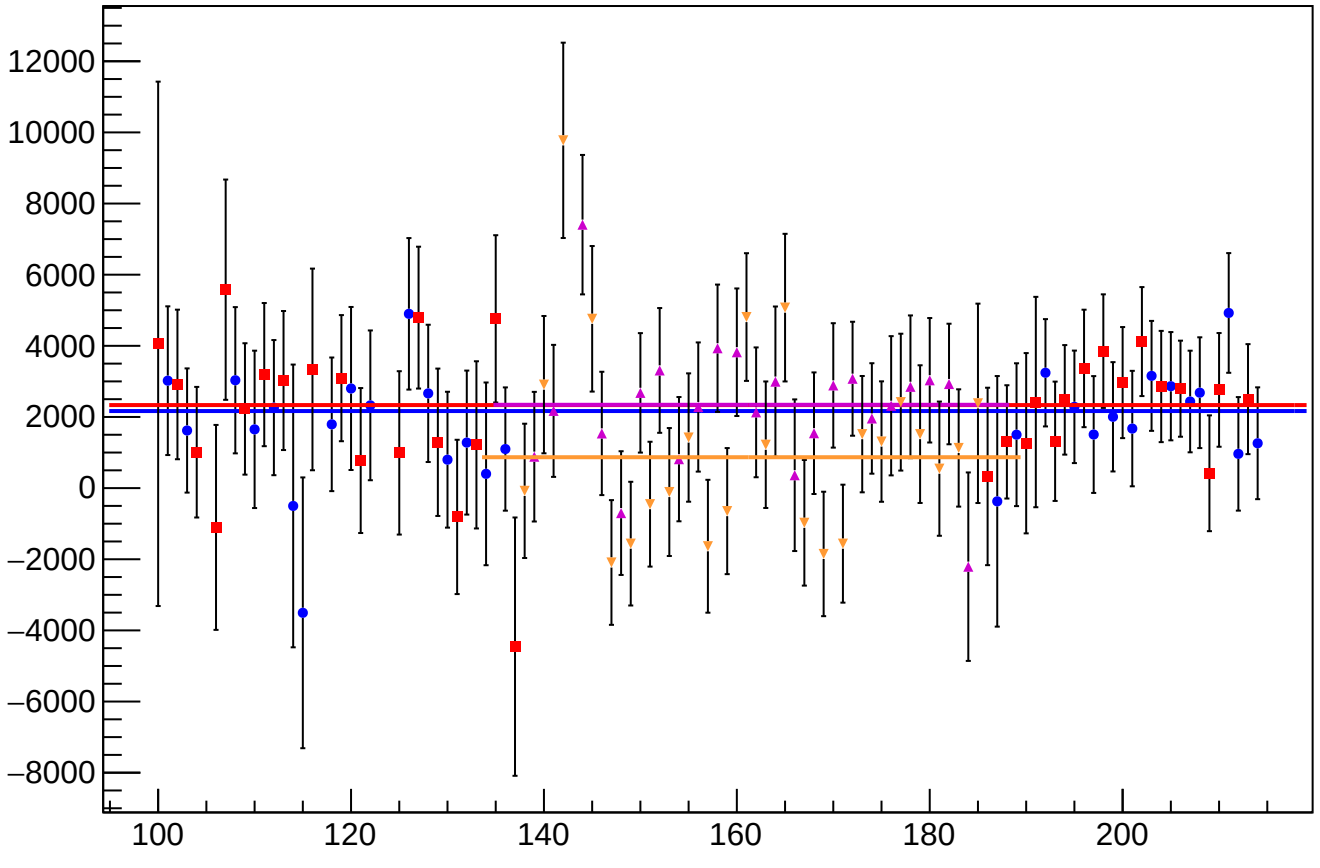
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 4032.246+/-0.484 χ^2/NDF: 4509469.1/62

In: 4500.925+/-0.545 χ^2/NDF:4630963.3/52

Out: 4519.373+/-0.543 χ^2/NDF:4837668.7/56

All: 4510.175+/-0.385 χ^2/NDF: 9469206.8/10



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

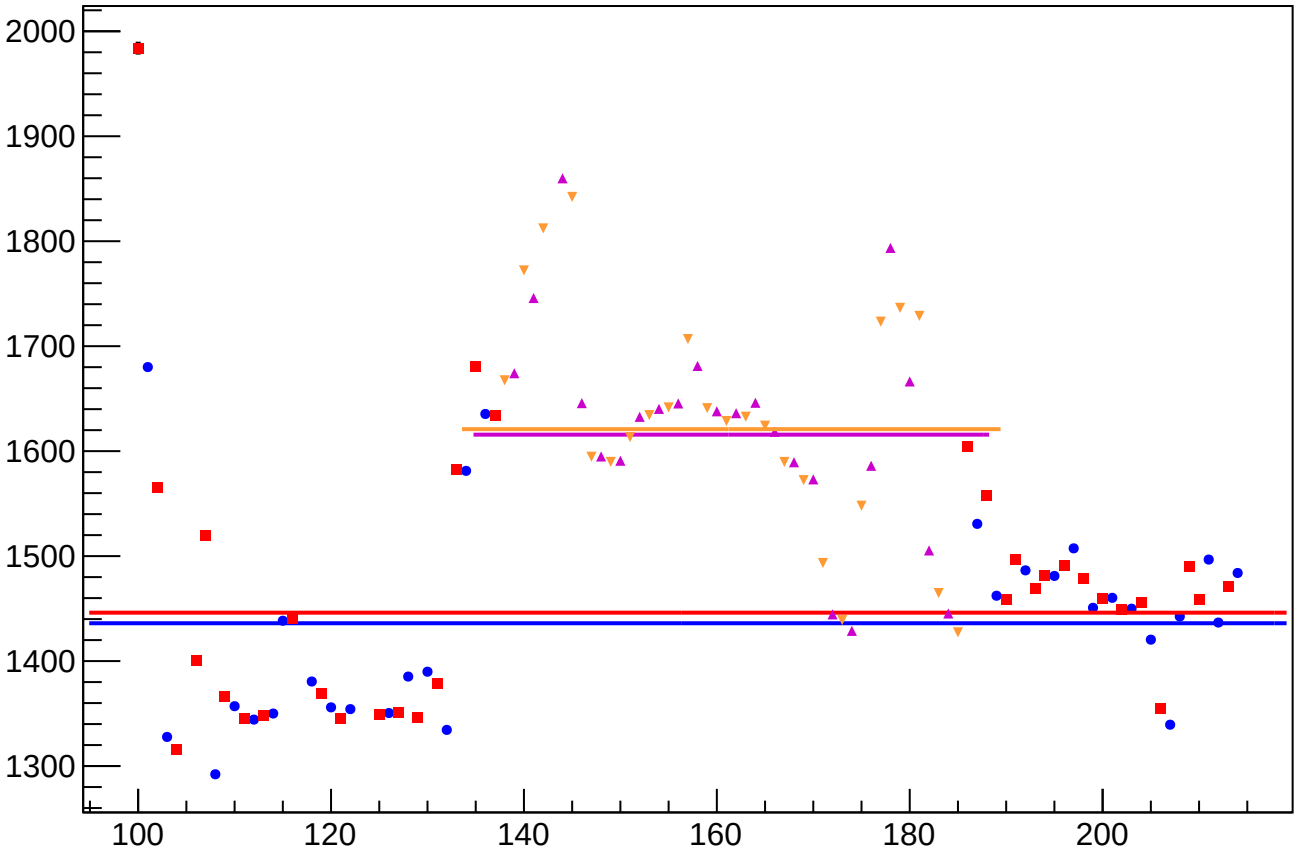
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 2250.863+/-237.269 χ^2/NDF: 32.0/62

In: 2244.154+/-251.266 χ^2/NDF:30.5/52

Out: 1688.291+/-250.411 χ^2/NDF:67.7/56

All: 1965.275+/-177.369 χ^2/NDF: 100.6/109



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

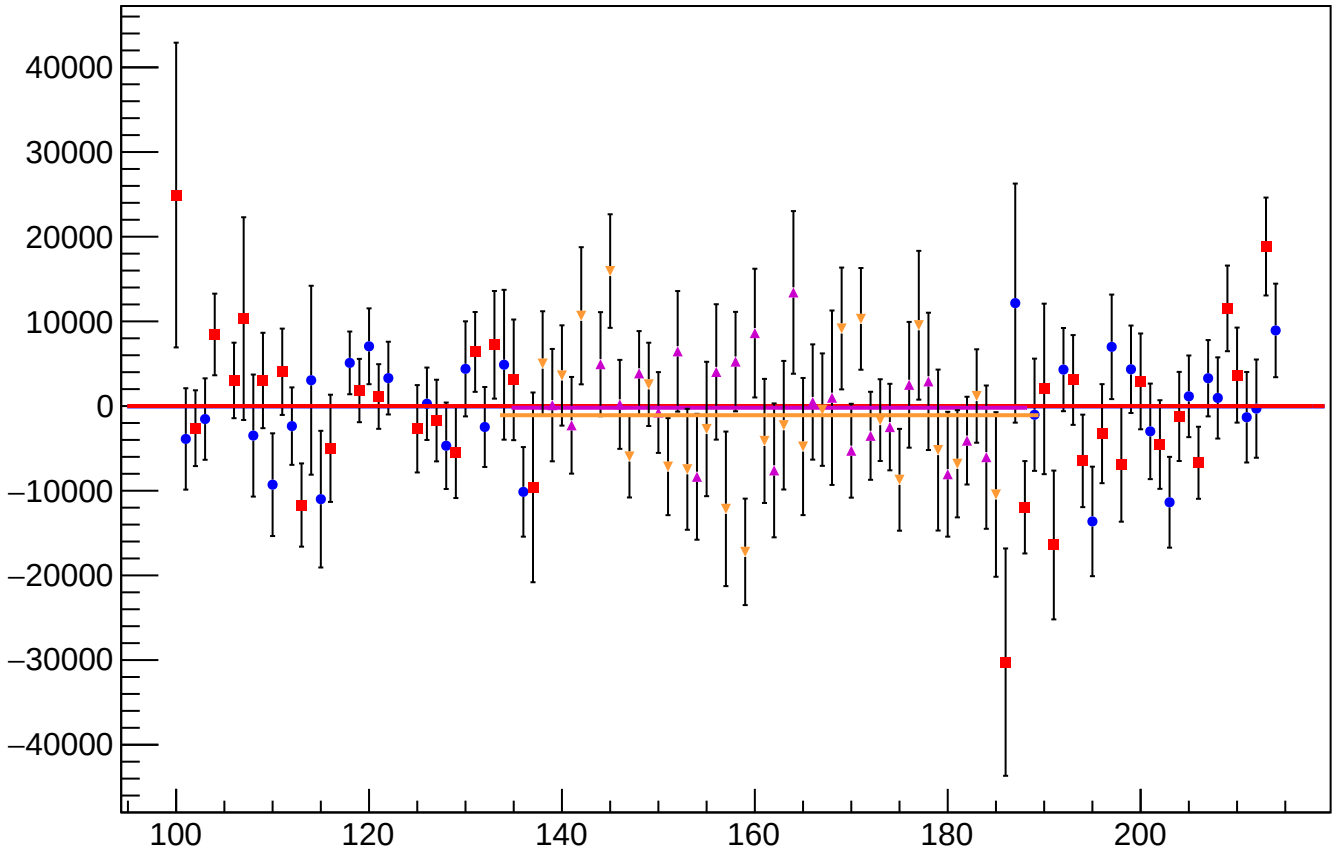
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1441.109+/-0.168 χ^2/NDF: 260646.2/62

In: 1515.383+/-0.178 χ^2/NDF:517153.1/52

Out: 1523.084+/-0.177 χ^2/NDF:514368.2/56

All: 1519.249+/-0.125 χ^2/NDF: 1032464.5/10



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

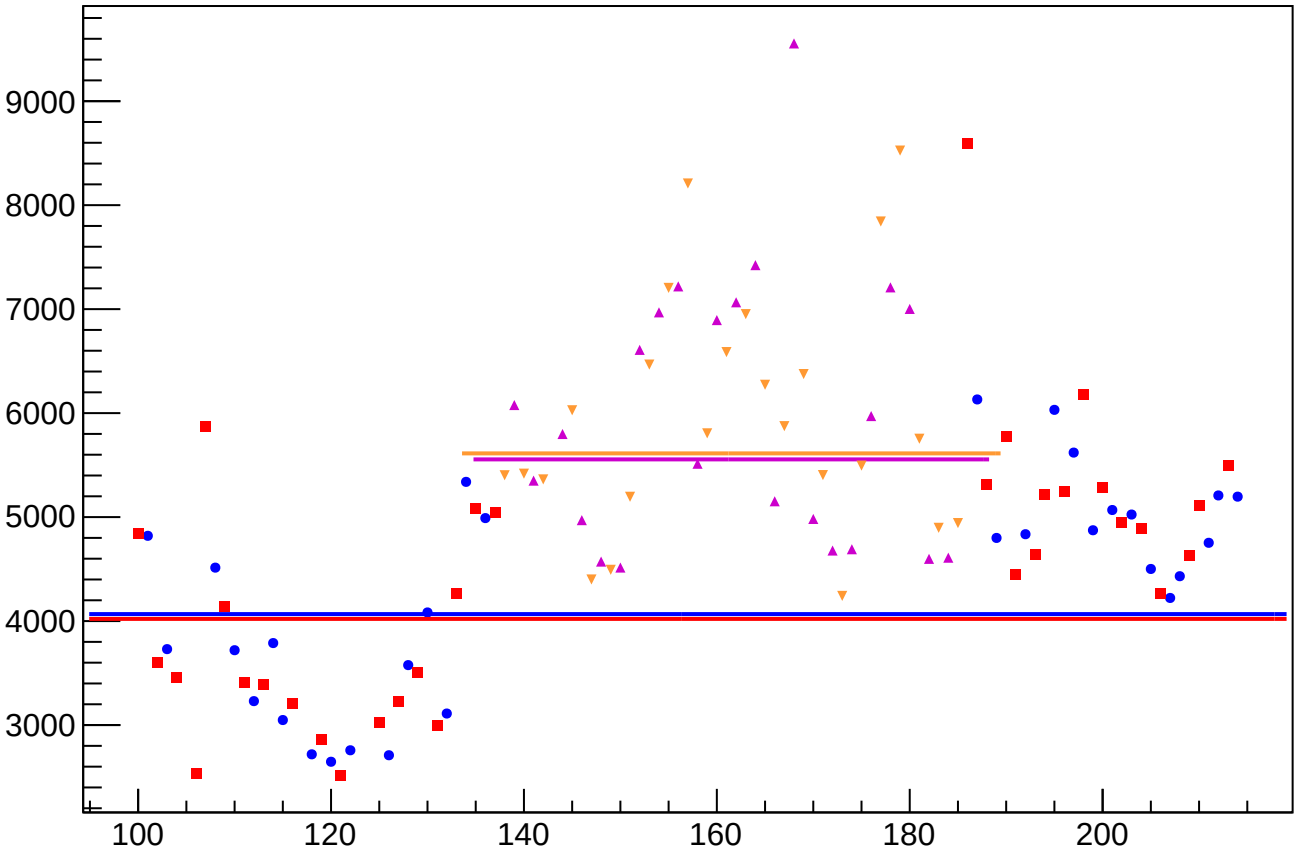
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -21.489+/-686.126 χ^2/NDF: 87.8/62

In: -101.070+/-788.425 χ^2/NDF:44.9/52

Out: -368.667+/-779.126 χ^2/NDF:89.2/56

All: -236.456+/-554.184 χ^2/NDF: 134.2/109



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

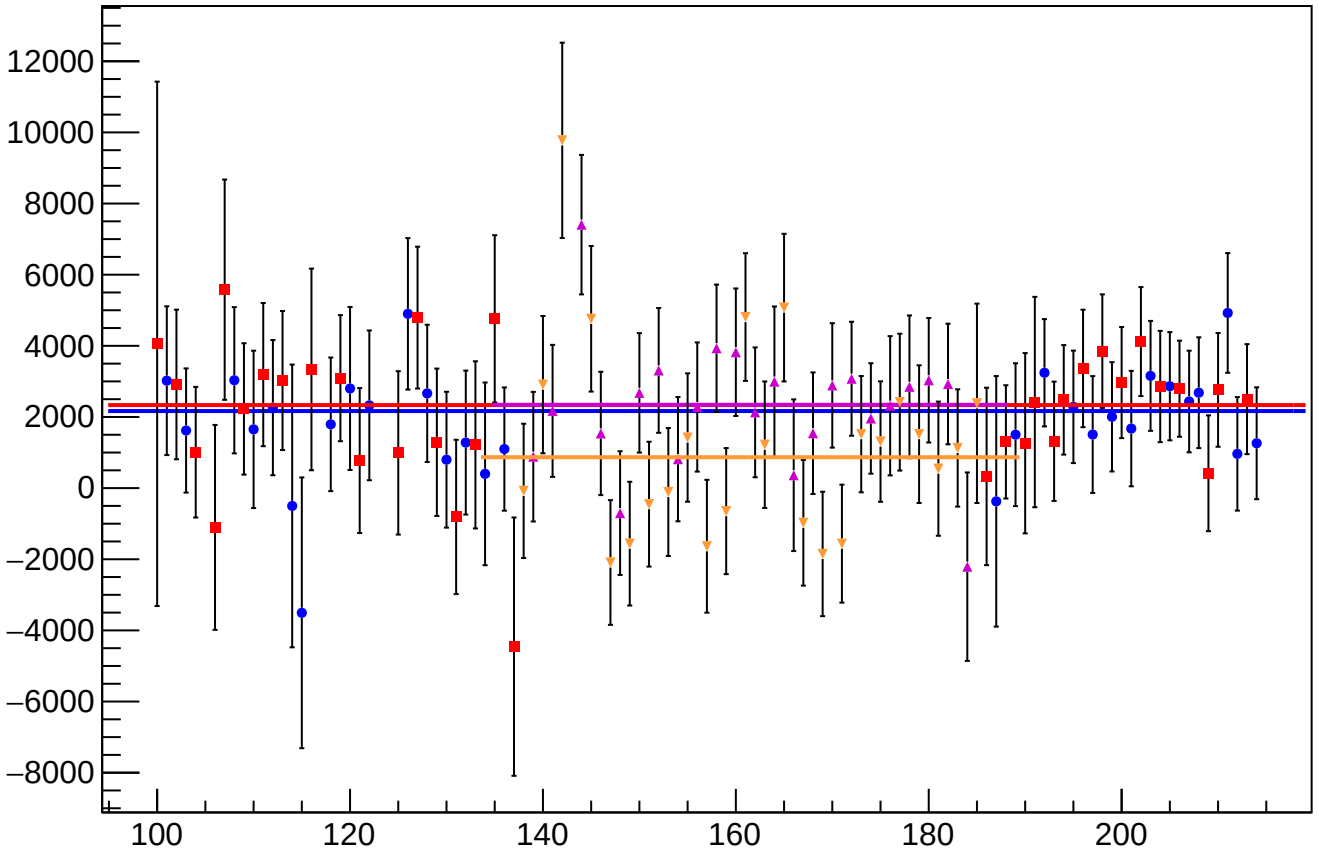
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 4043.602+/-0.485 χ^2/NDF: 4544799.5/62

In: 4593.011+/-0.558 χ^2/NDF:4999357.0/52

Out: 4565.260+/-0.551 χ^2/NDF:5570015.1/56

All: 4578.971+/-0.392 χ^2/NDF: 10570625.6/1



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

Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

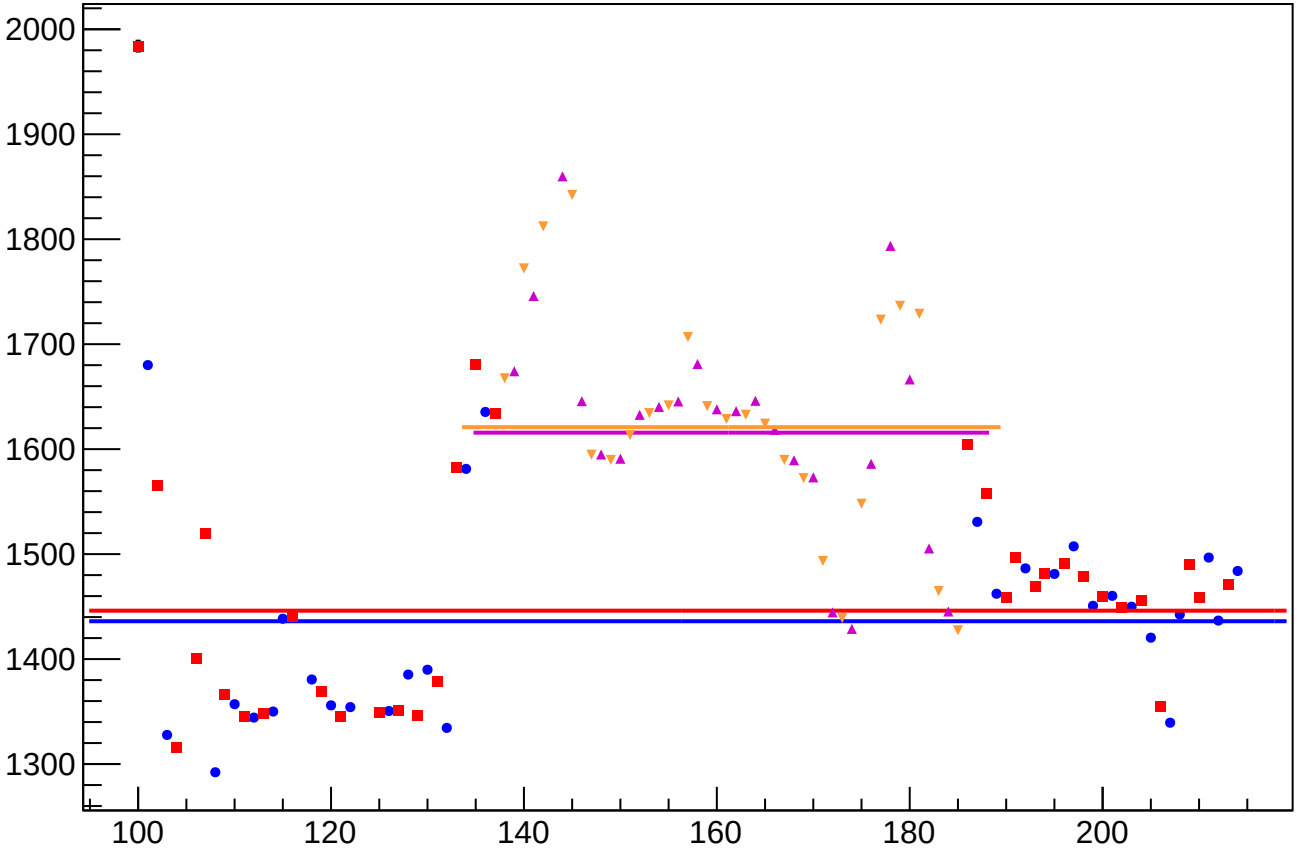
Right: 2250.862+/-237.269 χ^2/NDF: 32.0/62

In: 2244.155+/-251.266 χ^2/NDF:30.5/52

Out: 1688.287+/-250.411 χ^2/NDF:67.7/56

All: 1965.274+/-177.369 χ^2/NDF: 100.6/109

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



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

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

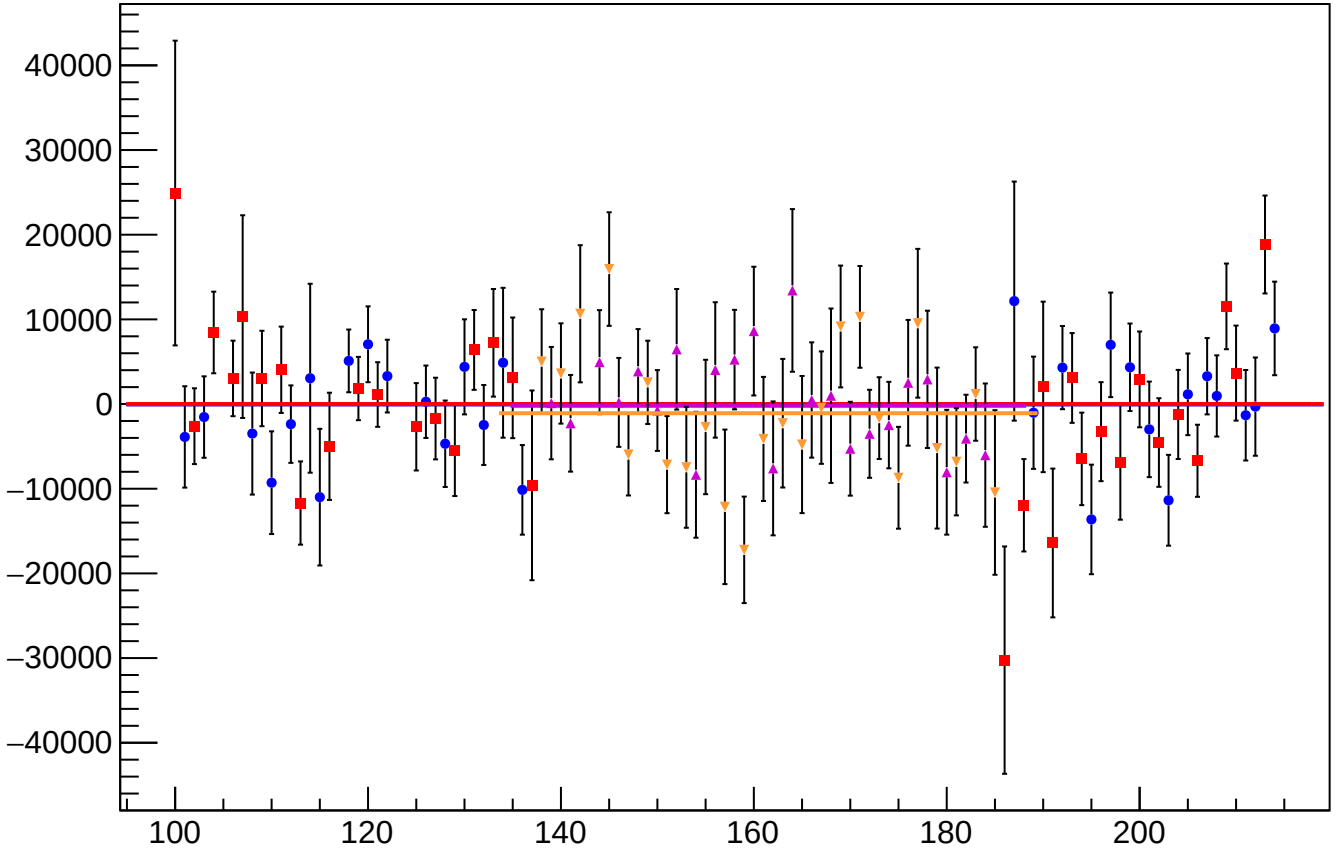
Right: 1441.109+/-0.168 χ^2/NDF: 260646.4/62

In: 1515.383+/-0.178 χ^2/NDF:517160.8/52

Out: 1523.085+/-0.177 χ^2/NDF:514376.7/56

All: 1519.249+/-0.125 χ^2/NDF: 1032480.8/10

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

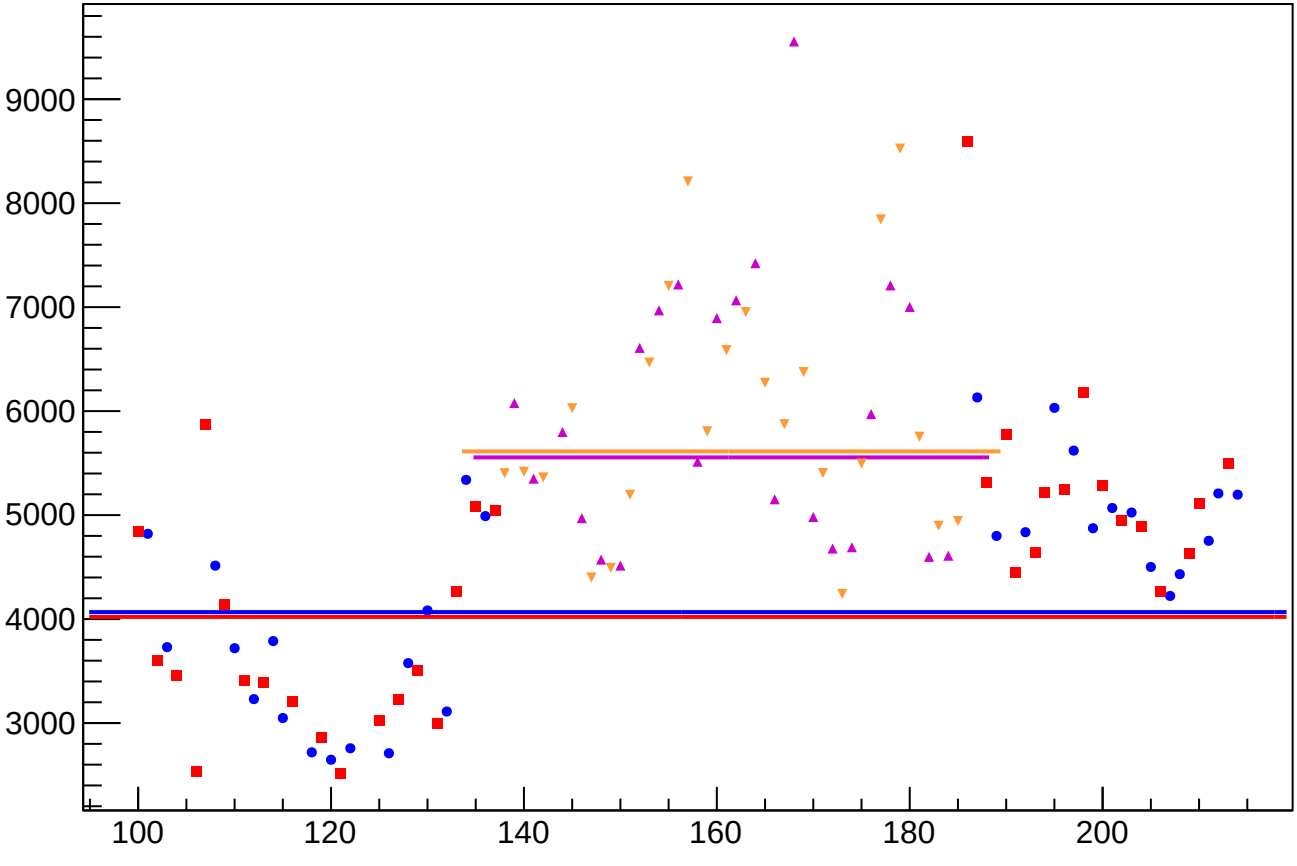
Right: -21.485+/-686.126 χ^2/NDF: 87.8/62

In: -101.067+/-788.425 χ^2/NDF:44.9/52

Out: -368.666+/-779.126 χ^2/NDF:89.2/56

All: -236.454+/-554.184 χ^2/NDF: 134.2/109

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

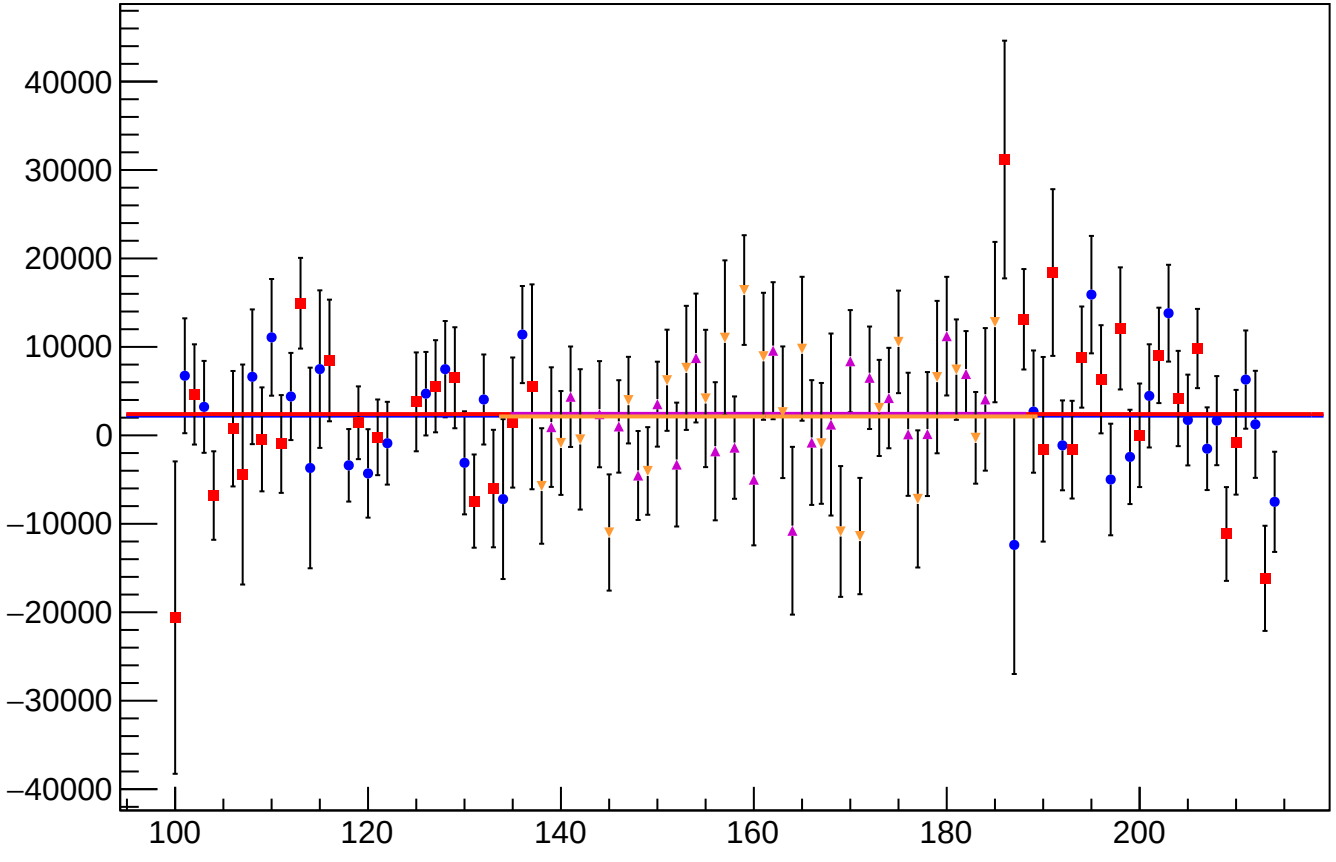
Right: 4043.597+/-0.485 χ^2/NDF: 4544876.0/62

In: 4593.009+/-0.558 χ^2/NDF:4999426.3/52

Out: 4565.258+/-0.551 χ^2/NDF:5570083.4/56

All: 4578.969+/-0.392 χ^2/NDF: 10570763.3/1

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



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

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

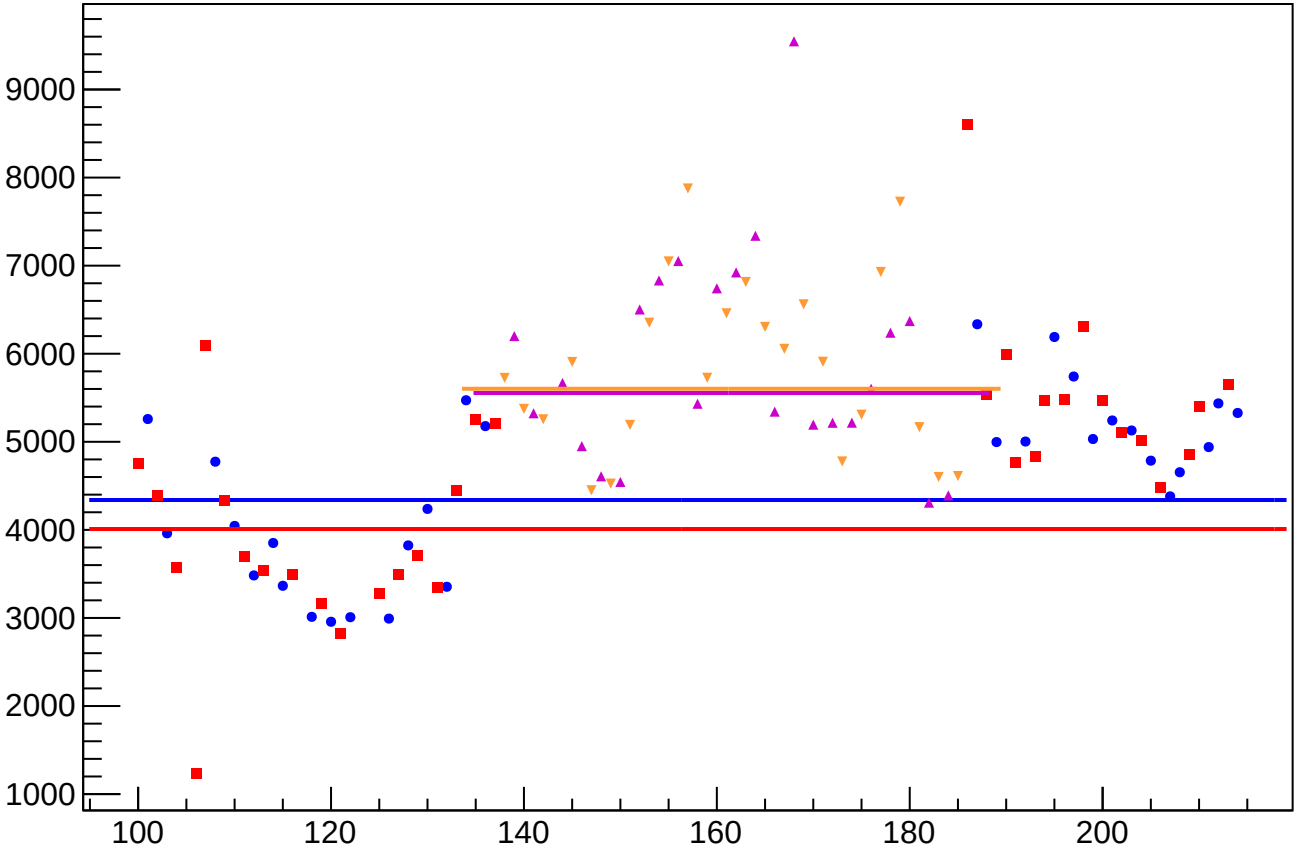
Right: 2318.243+/-734.171 χ^2/NDF: 86.1/62

In: 2306.894+/-817.325 χ^2/NDF:43.0/52

Out: 2303.078+/-816.113 χ^2/NDF:86.7/56

All: 2304.983+/-577.507 χ^2/NDF: 129.7/109

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



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

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

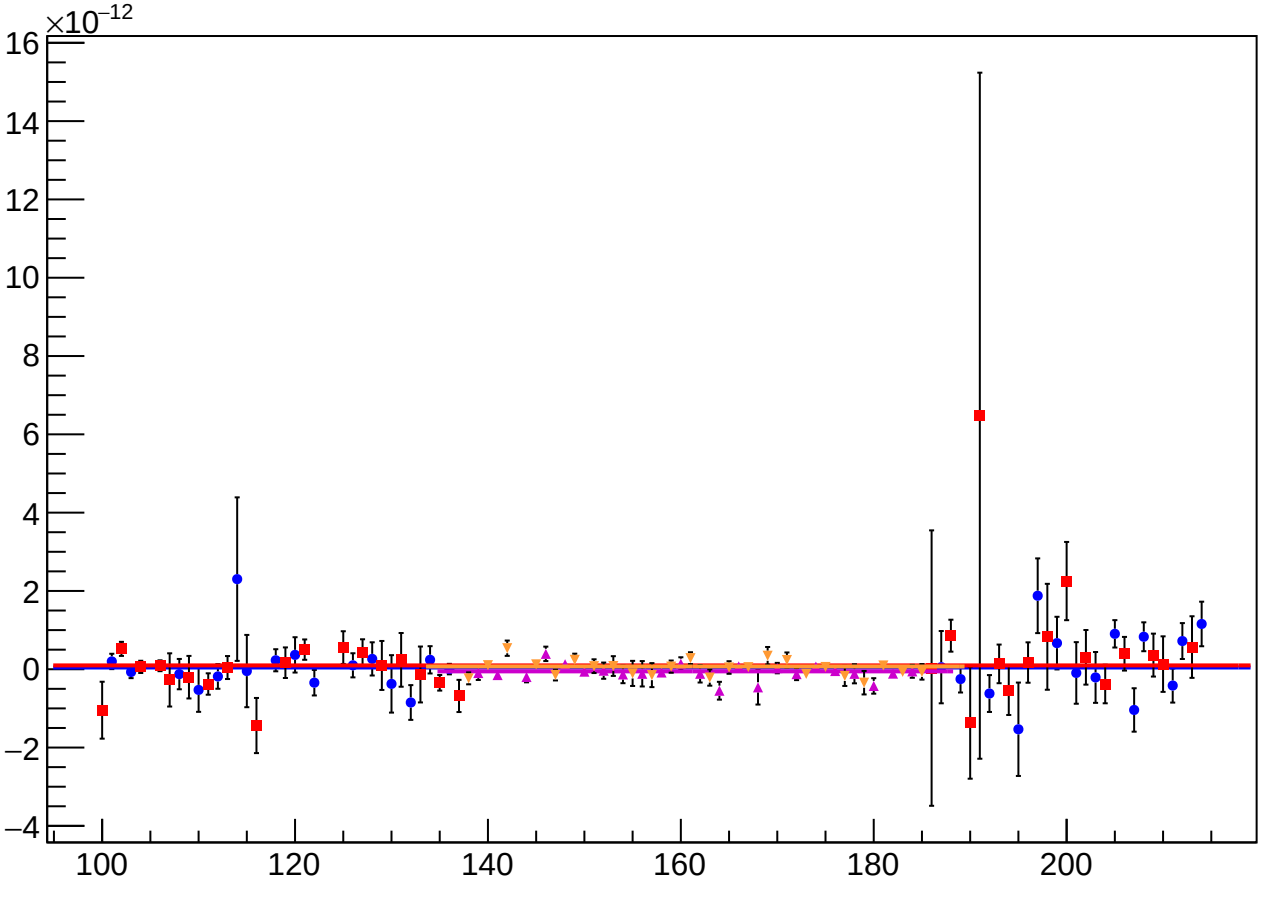
Right: 4165.343+/-0.506 χ^2/NDF: 5791927.5/62

In: 4804.161+/-0.578 χ^2/NDF:3803946.7/52

Out: 4576.520+/-0.559 χ^2/NDF:6841529.0/56

All: 4686.487+/-0.402 χ^2/NDF: 10725674.7/1

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

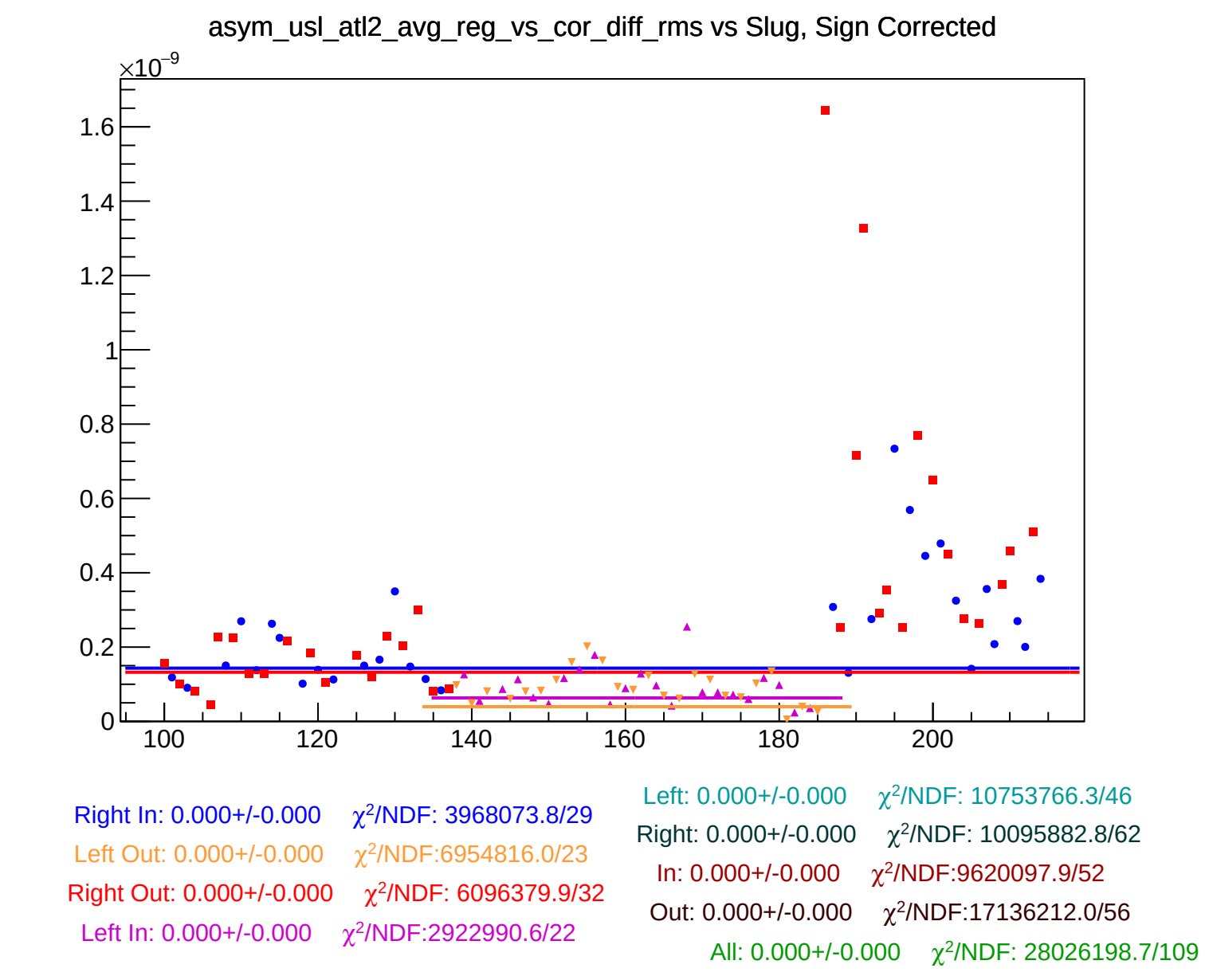
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 85.4/62

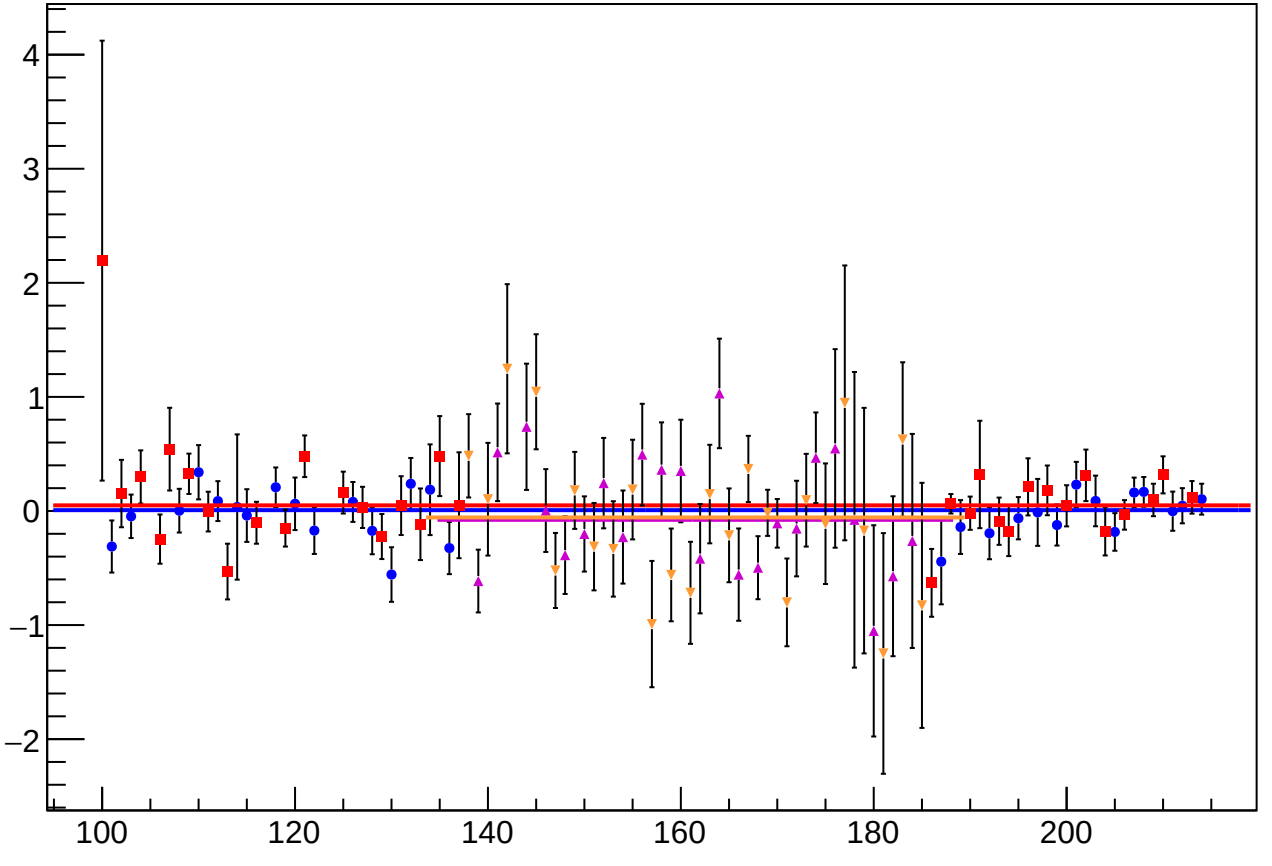
In: -0.000+/-0.000 χ^2/NDF:69.7/52

Out: 0.000+/-0.000 χ^2/NDF:71.3/56

All: 0.000+/-0.000 χ^2/NDF: 152.4/109


asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×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: 3968073.8/29
Left Out: 0.000+/-0.000 χ²/NDF:6954816.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 6096379.9/32
Left In: 0.000+/-0.000 χ²/NDF:2922990.6/22
Left: 0.000+/-0.000 χ²/NDF: 10753766.3/46
Right: 0.000+/-0.000 χ²/NDF: 10095882.8/62
In: 0.000+/-0.000 χ²/NDF:9620097.9/52
Out: 0.000+/-0.000 χ²/NDF:17136212.0/56
All: 0.000+/-0.000 χ²/NDF: 28026198.7/109

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

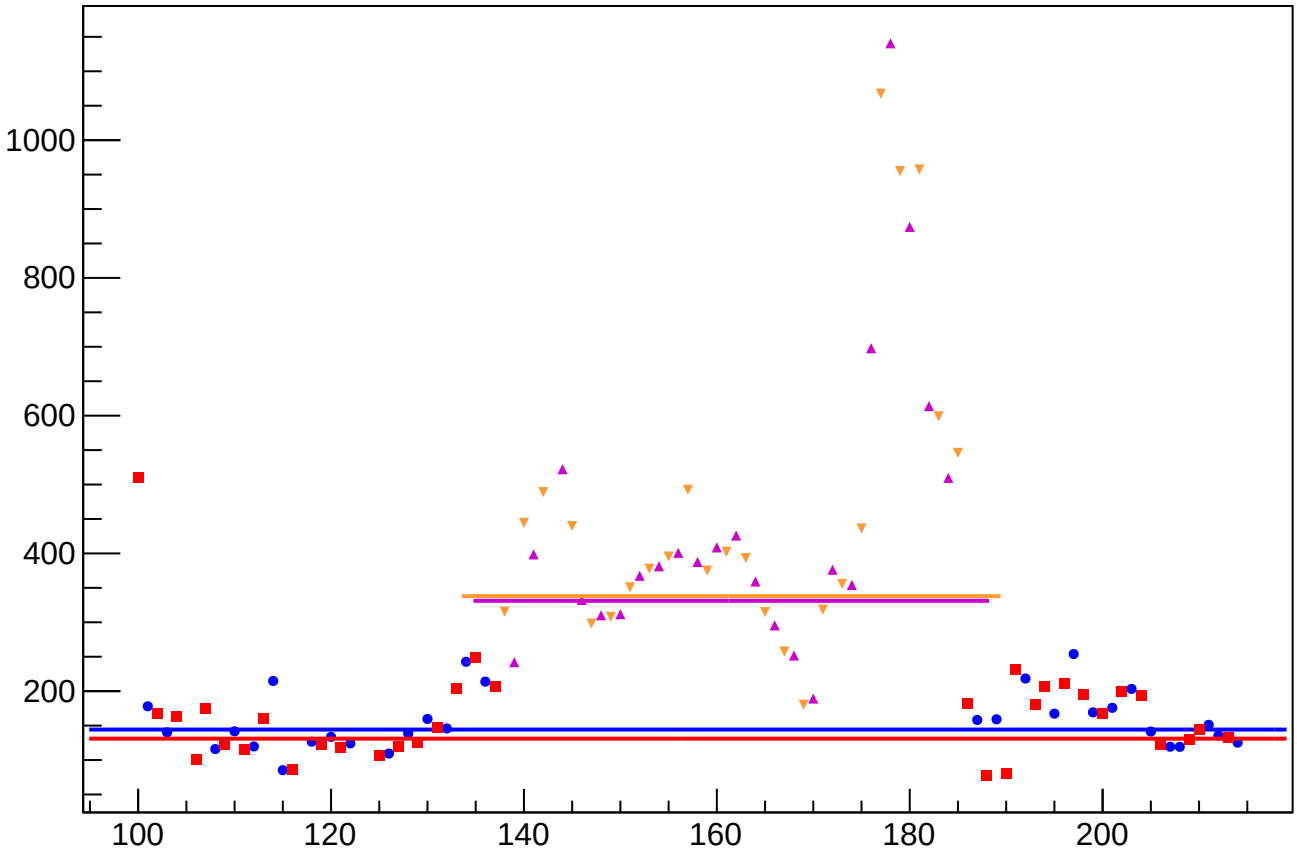
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.030+/-0.024 χ^2/NDF: 66.9/62

In: -0.006+/-0.033 χ^2/NDF:53.7/52

Out: 0.035+/-0.031 χ^2/NDF:72.1/56

All: 0.016+/-0.022 χ^2/NDF: 126.6/109



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

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

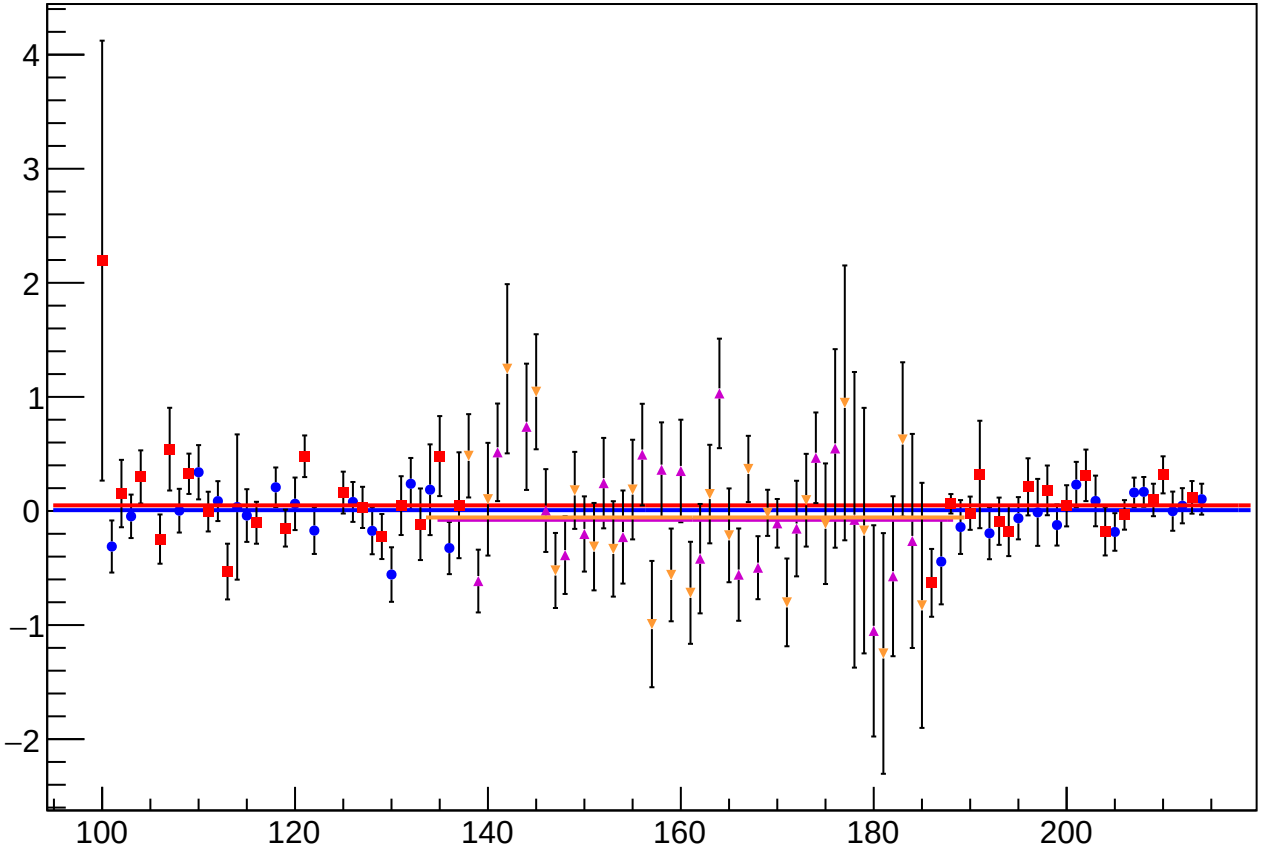
Right: 137.166+/-0.017 χ^2/NDF: 5050998.2/62

In: 173.144+/-0.023 χ^2/NDF:14278990.6/52

Out: 158.039+/-0.022 χ^2/NDF:17929838.7/56

All: 165.132+/-0.016 χ^2/NDF: 32433852.9/10

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

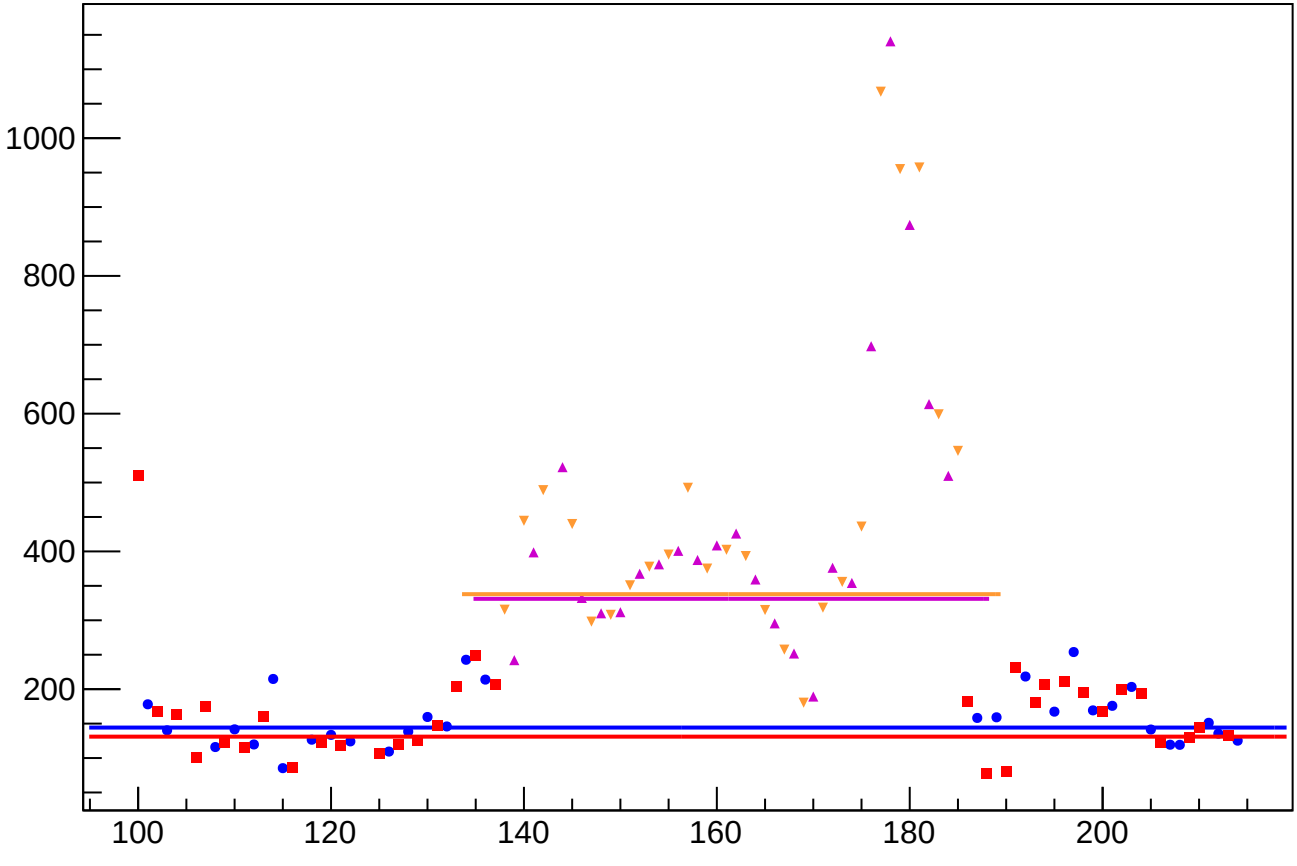
Right: 0.030+/-0.024 χ^2/NDF: 66.9/62

In: -0.006+/-0.033 χ^2/NDF:53.7/52

Out: 0.035+/-0.031 χ^2/NDF:72.1/56

All: 0.016+/-0.022 χ^2/NDF: 126.6/109

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

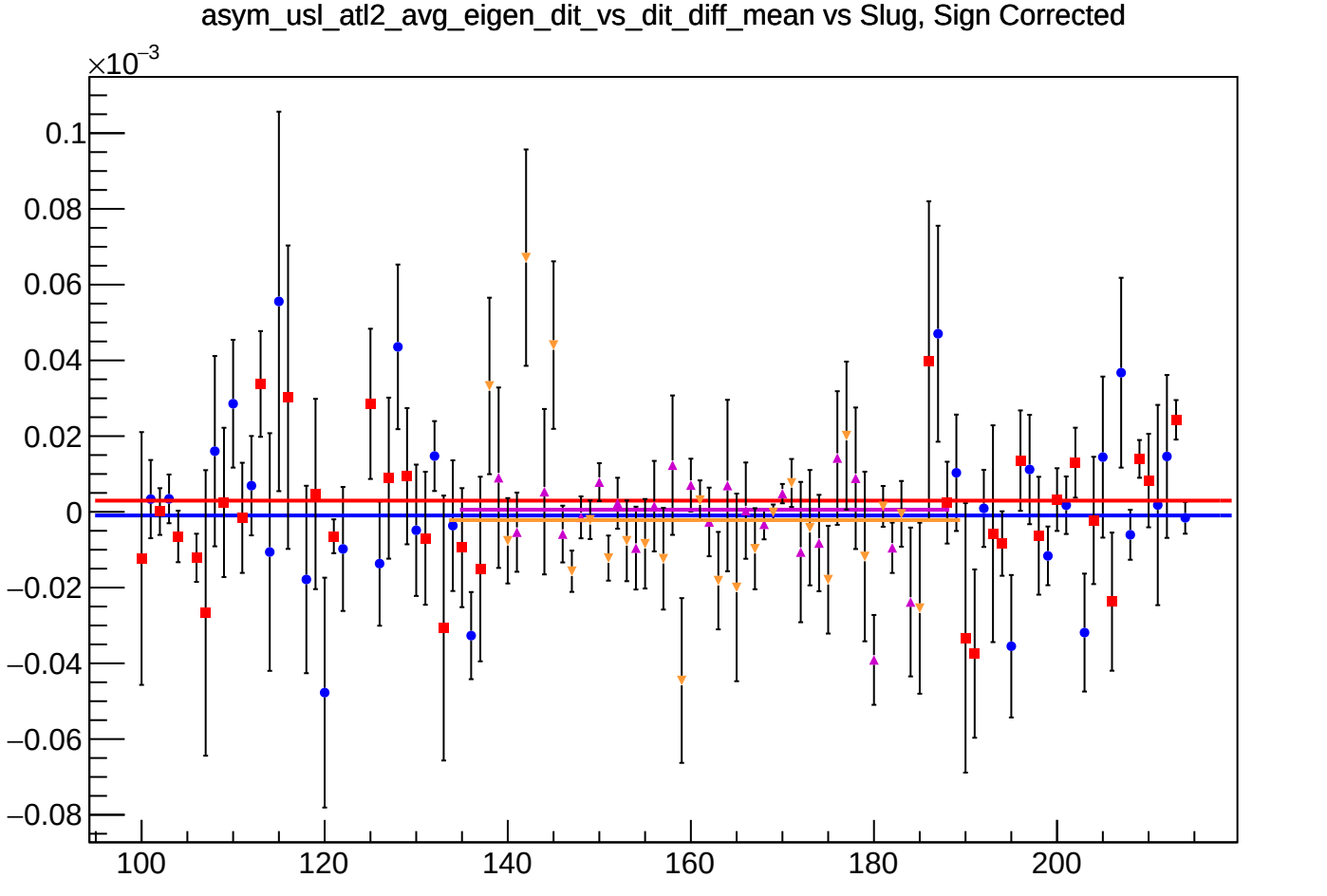
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 137.166+/-0.017 χ^2/NDF: 5050998.2/62

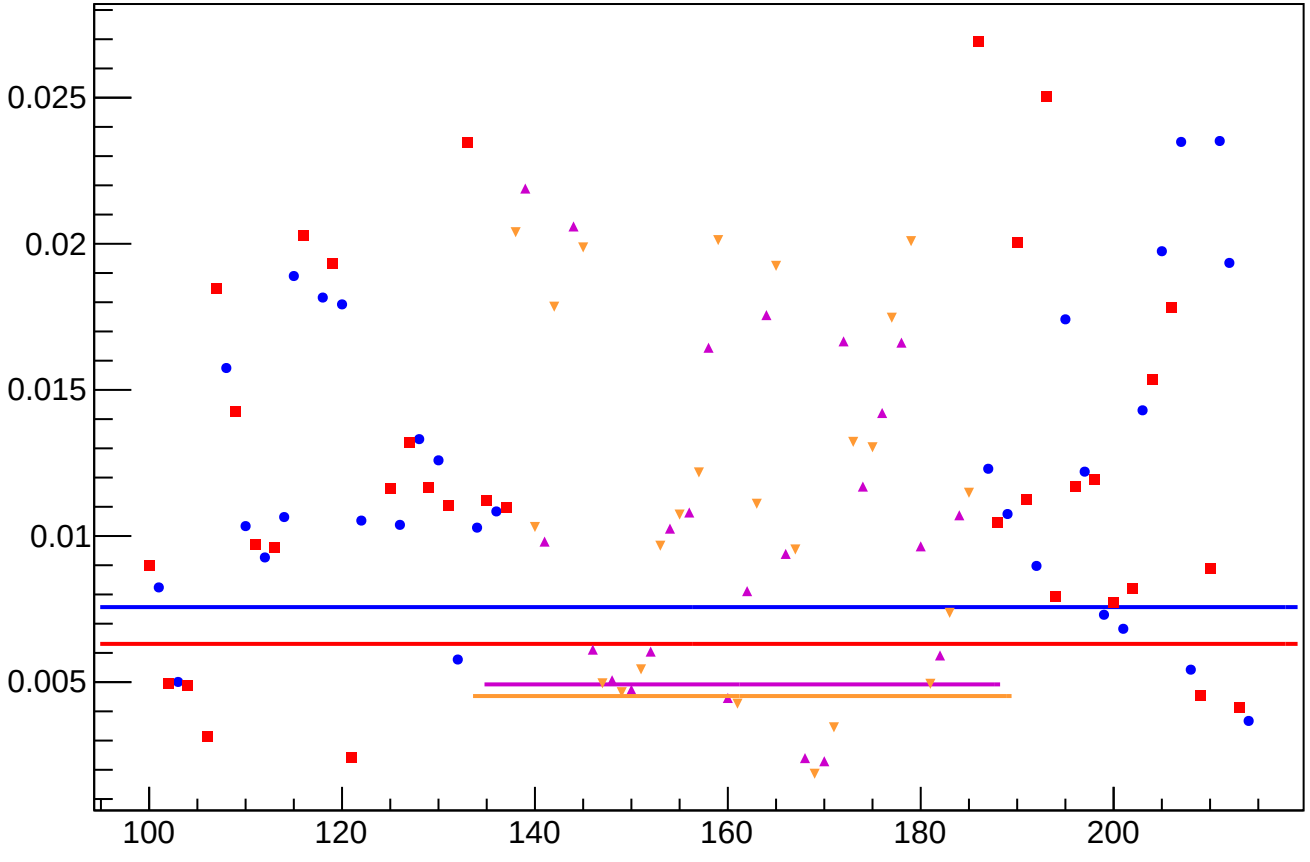
In: 173.144+/-0.023 χ^2/NDF:14278990.6/52

Out: 158.039+/-0.022 χ^2/NDF:17929838.7/56

All: 165.132+/-0.016 χ^2/NDF: 32433852.9/10


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 41.8/29
Left Out: -0.000+/-0.000 χ²/NDF:37.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 56.0/32
Left In: 0.000+/-0.000 χ²/NDF:26.2/22
Left: -0.000+/-0.000 χ²/NDF: 65.9/46
Right: 0.000+/-0.000 χ²/NDF: 99.8/62
In: 0.000+/-0.000 χ²/NDF:68.4/52
Out: -0.000+/-0.000 χ²/NDF:99.0/56
All: -0.000+/-0.000 χ²/NDF: 167.4/109

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

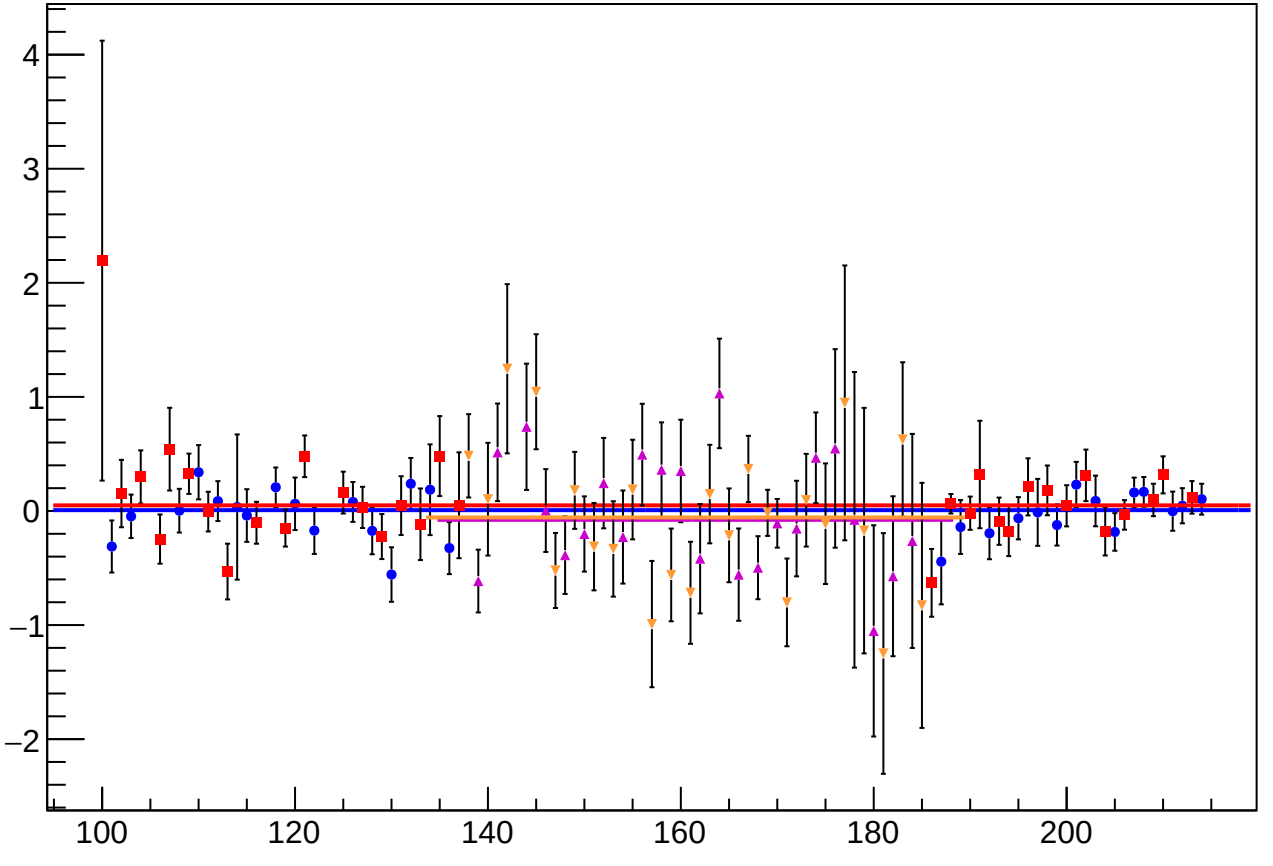
Right: 0.007+/-0.000 χ^2/NDF: 18599801.6/62

In: 0.006+/-0.000 χ^2/NDF:21884559.6/52

Out: 0.005+/-0.000 χ^2/NDF:25529275.2/56

All: 0.005+/-0.000 χ^2/NDF: 47705063.7/109

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

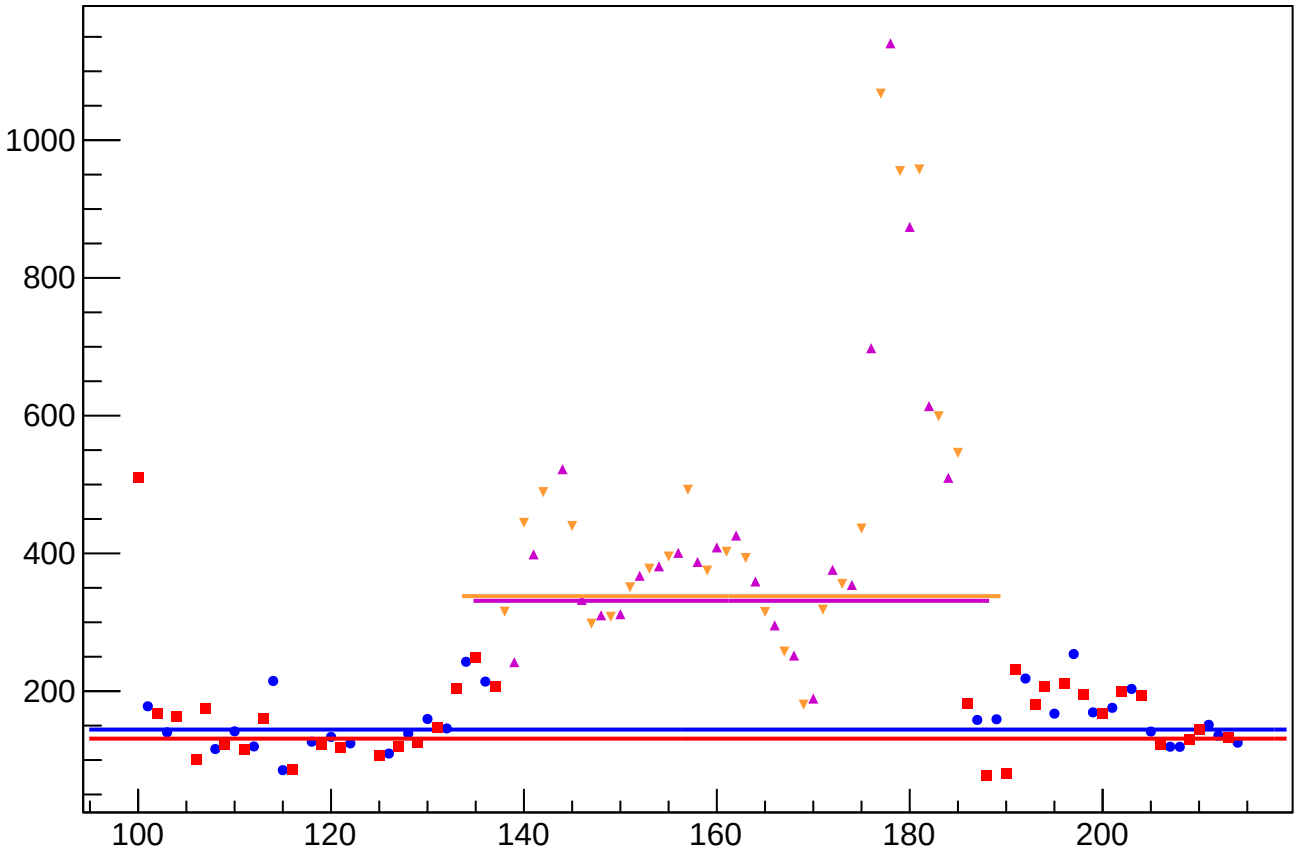
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.030+/-0.024 χ^2/NDF: 66.9/62

In: -0.006+/-0.033 χ^2/NDF:53.7/52

Out: 0.035+/-0.031 χ^2/NDF:72.1/56

All: 0.016+/-0.022 χ^2/NDF: 126.6/109



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

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

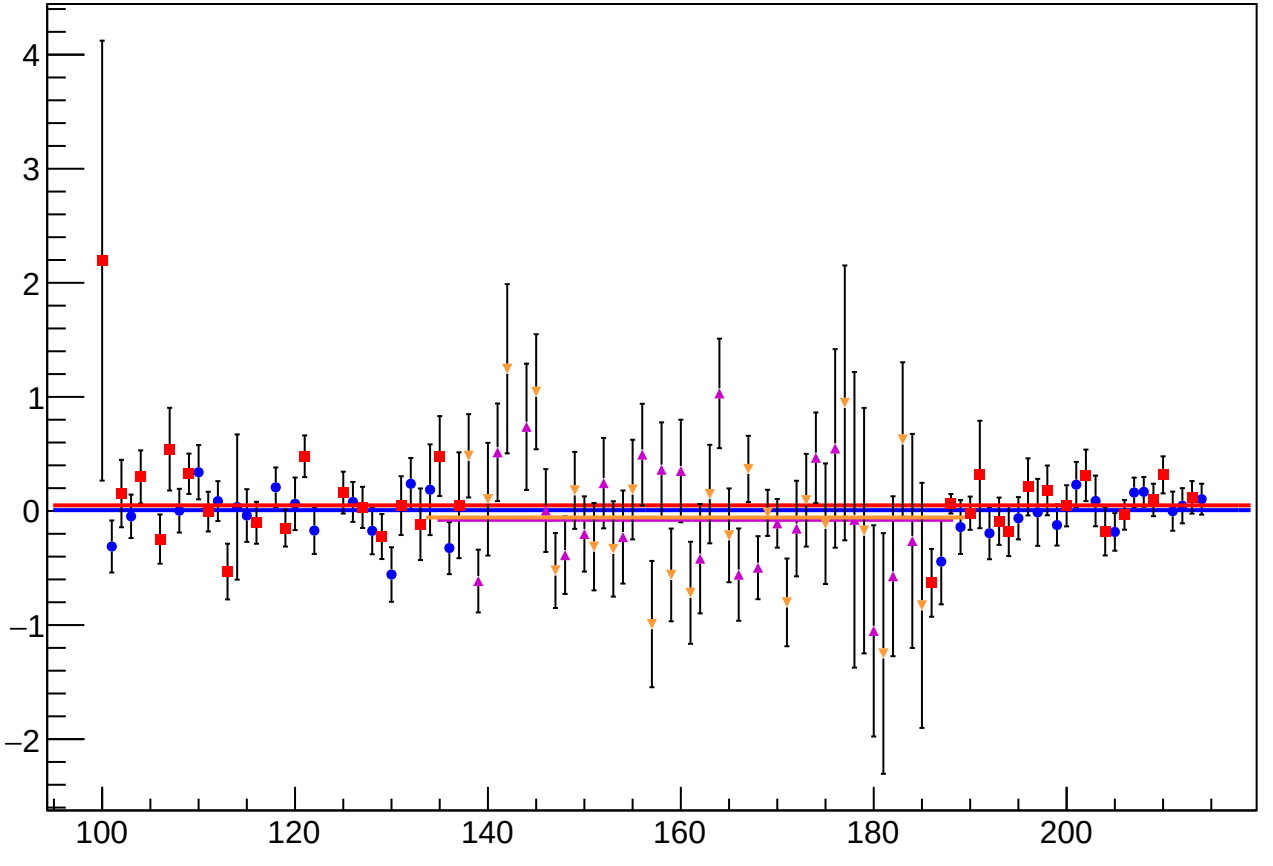
Right: 137.165+/-0.017 χ^2/NDF: 5051194.4/62

In: 173.144+/-0.023 χ^2/NDF:14279088.5/52

Out: 158.037+/-0.022 χ^2/NDF:17930315.2/56

All: 165.131+/-0.016 χ^2/NDF: 32434490.0/10

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

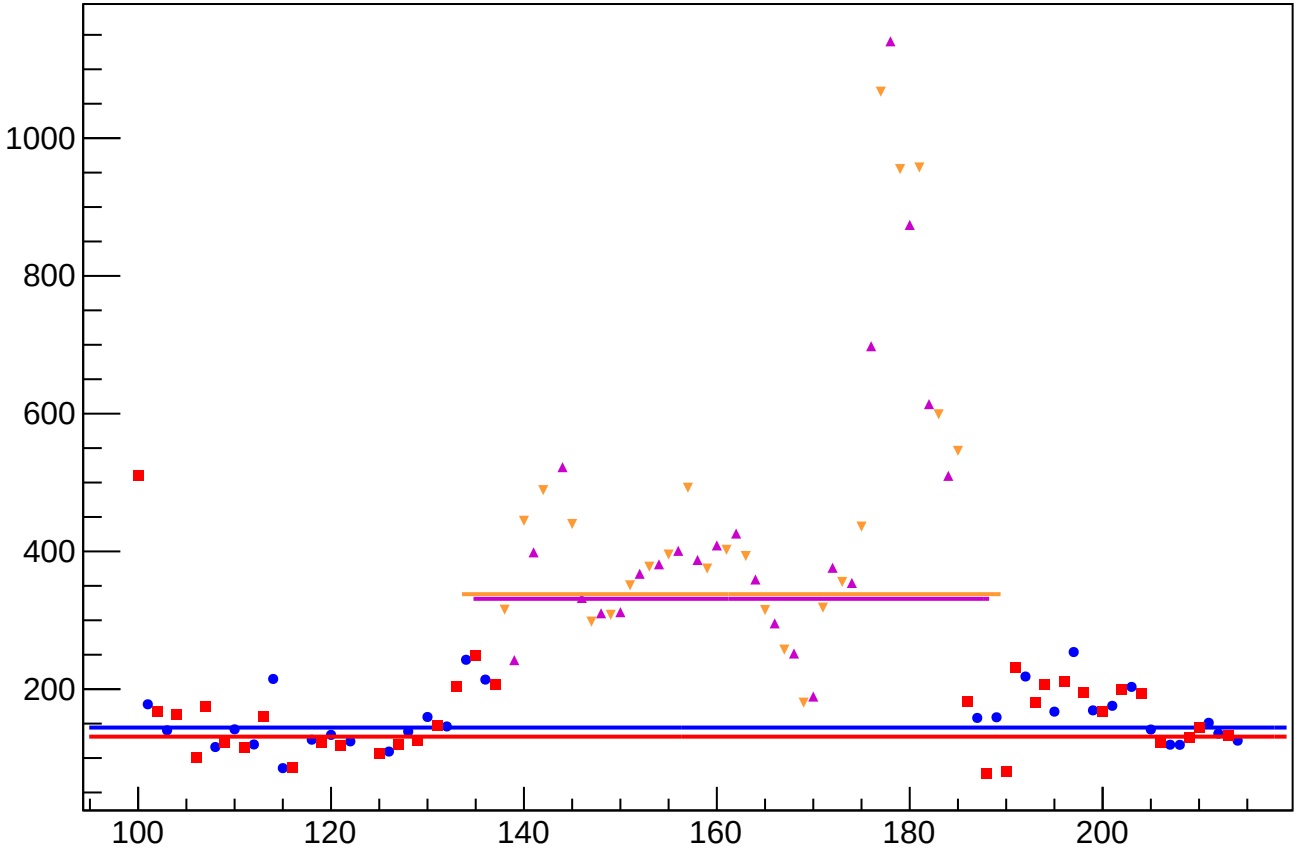
Right: 0.030+/-0.024 χ^2/NDF: 66.9/62

In: -0.006+/-0.033 χ^2/NDF:53.7/52

Out: 0.035+/-0.031 χ^2/NDF:72.1/56

All: 0.016+/-0.022 χ^2/NDF: 126.6/109

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

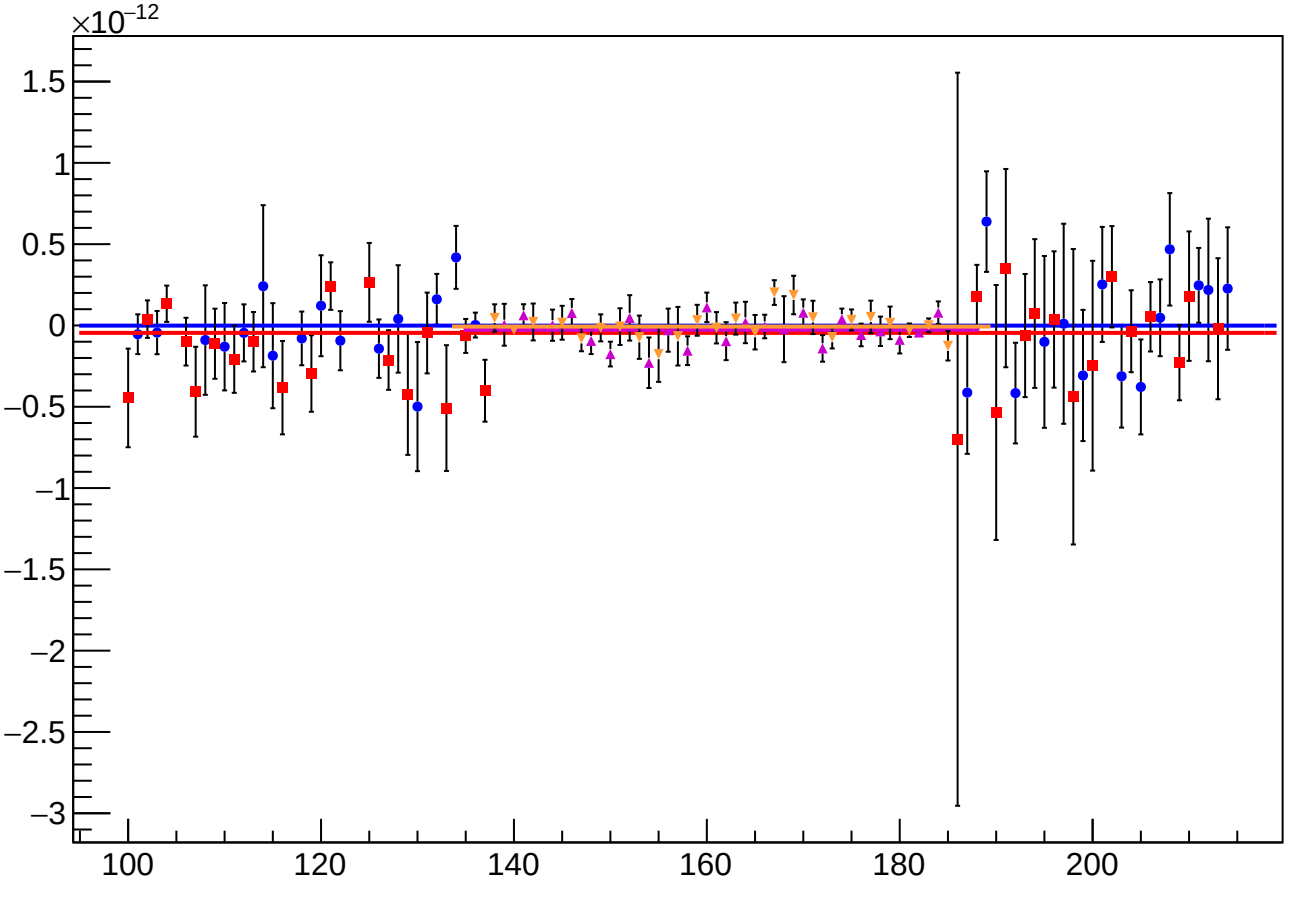
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 137.165+/-0.017 χ^2/NDF: 5051194.4/62

In: 173.144+/-0.023 χ^2/NDF:14279088.5/52

Out: 158.037+/-0.022 χ^2/NDF:17930315.2/56

All: 165.131+/-0.016 χ^2/NDF: 32434490.0/10



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

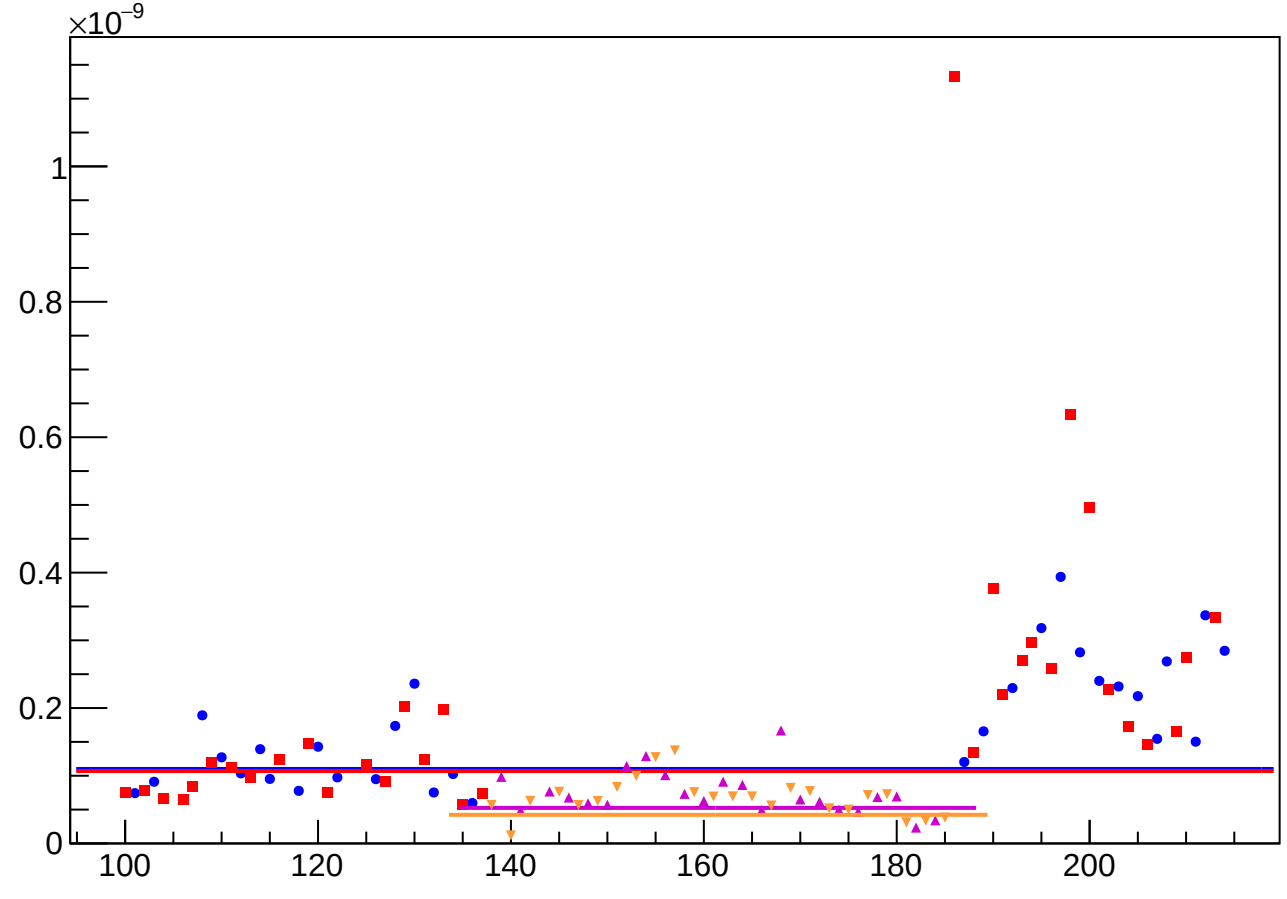
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 52.5/62

In: -0.000+/-0.000 χ^2/NDF:47.7/52

Out: -0.000+/-0.000 χ^2/NDF:46.4/56

All: -0.000+/-0.000 χ^2/NDF: 94.4/109



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

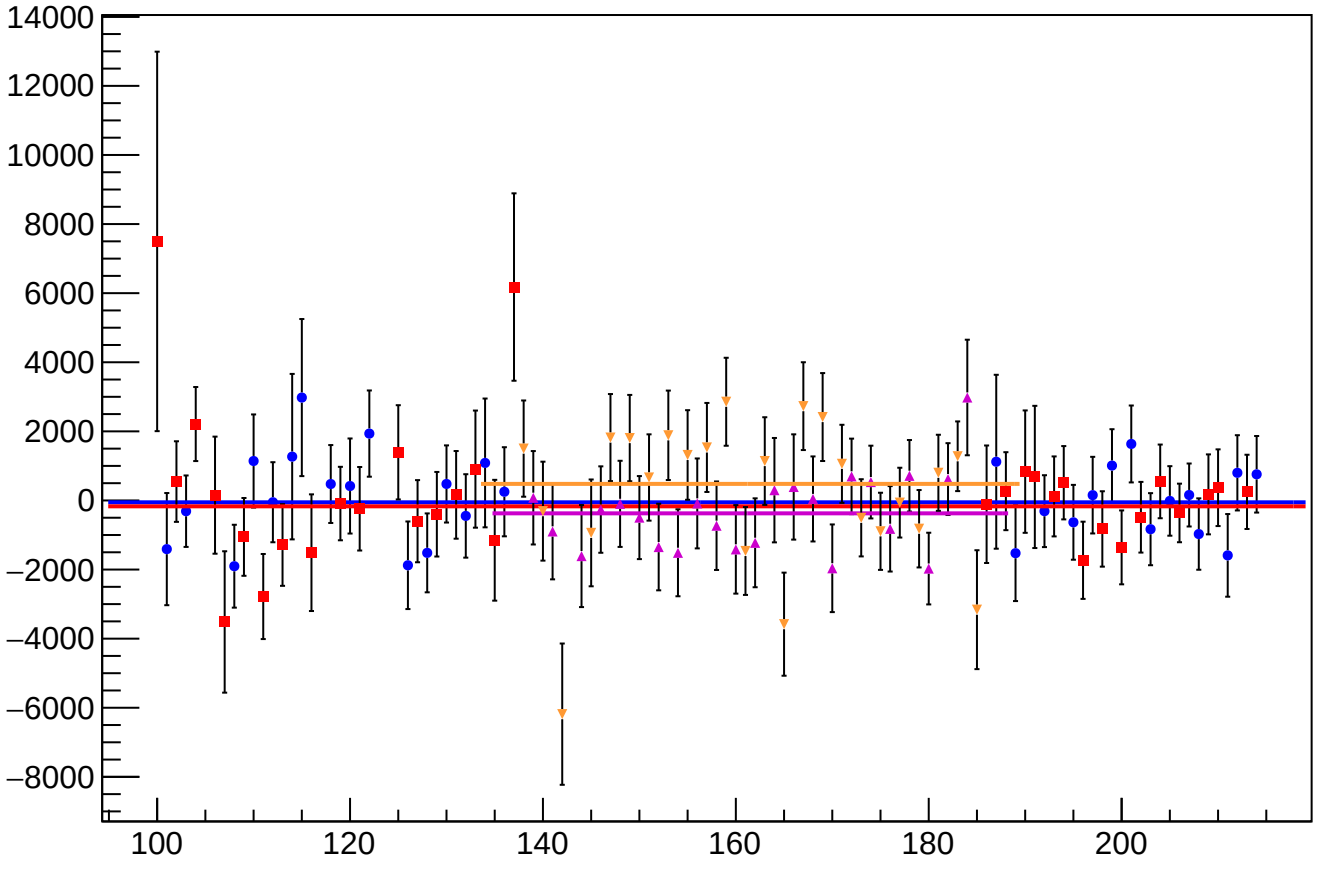
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 11732932.2/62

In: 0.000+/-0.000 χ^2/NDF:14258317.5/52

Out: 0.000+/-0.000 χ^2/NDF:18022384.0/56

All: 0.000+/-0.000 χ^2/NDF: 32855278.3/109



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

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

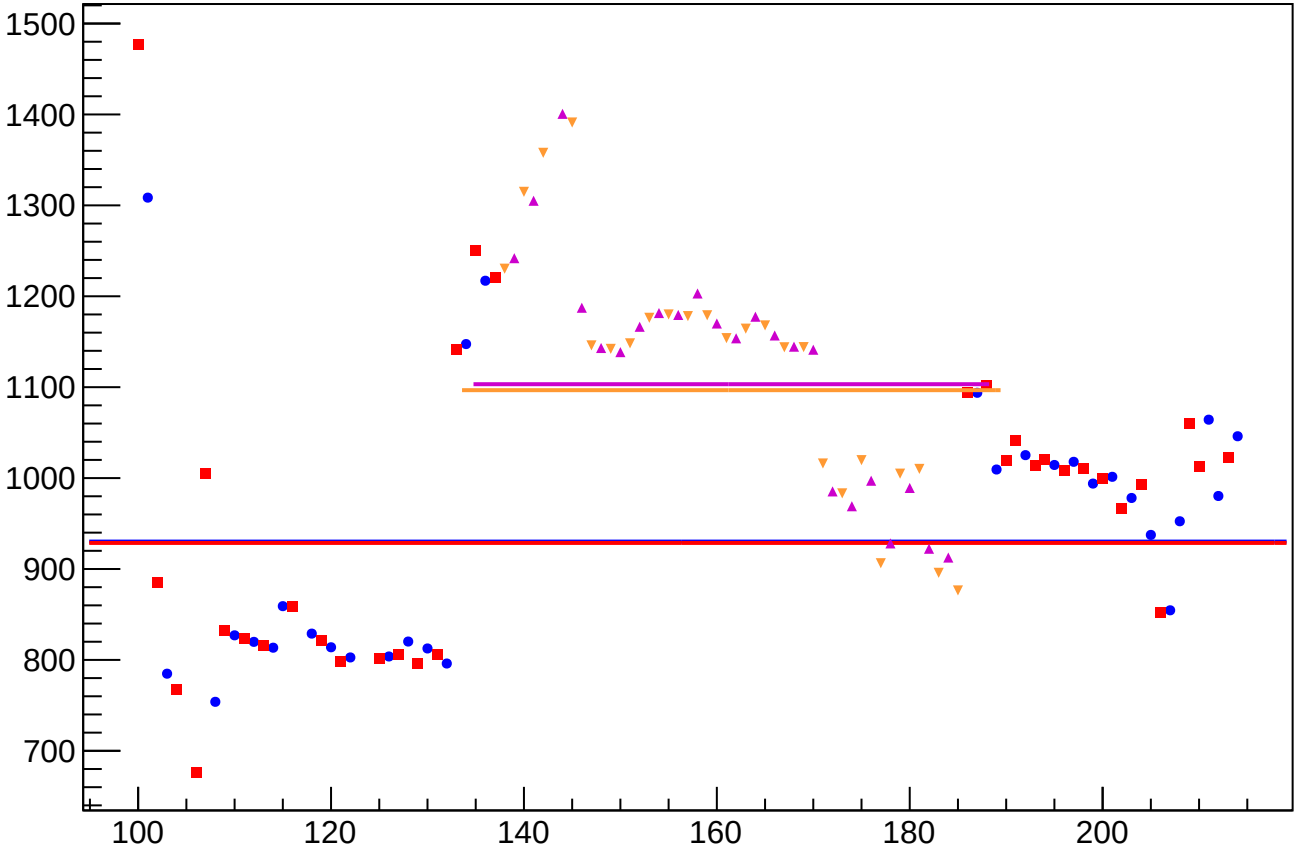
Right: -112.455+/-154.452 χ^2/NDF: 52.9/62

In: -186.930+/-167.487 χ^2/NDF:39.5/52

Out: 101.824+/-165.836 χ^2/NDF:79.0/56

All: -41.123+/-117.843 χ^2/NDF: 120.1/109

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



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

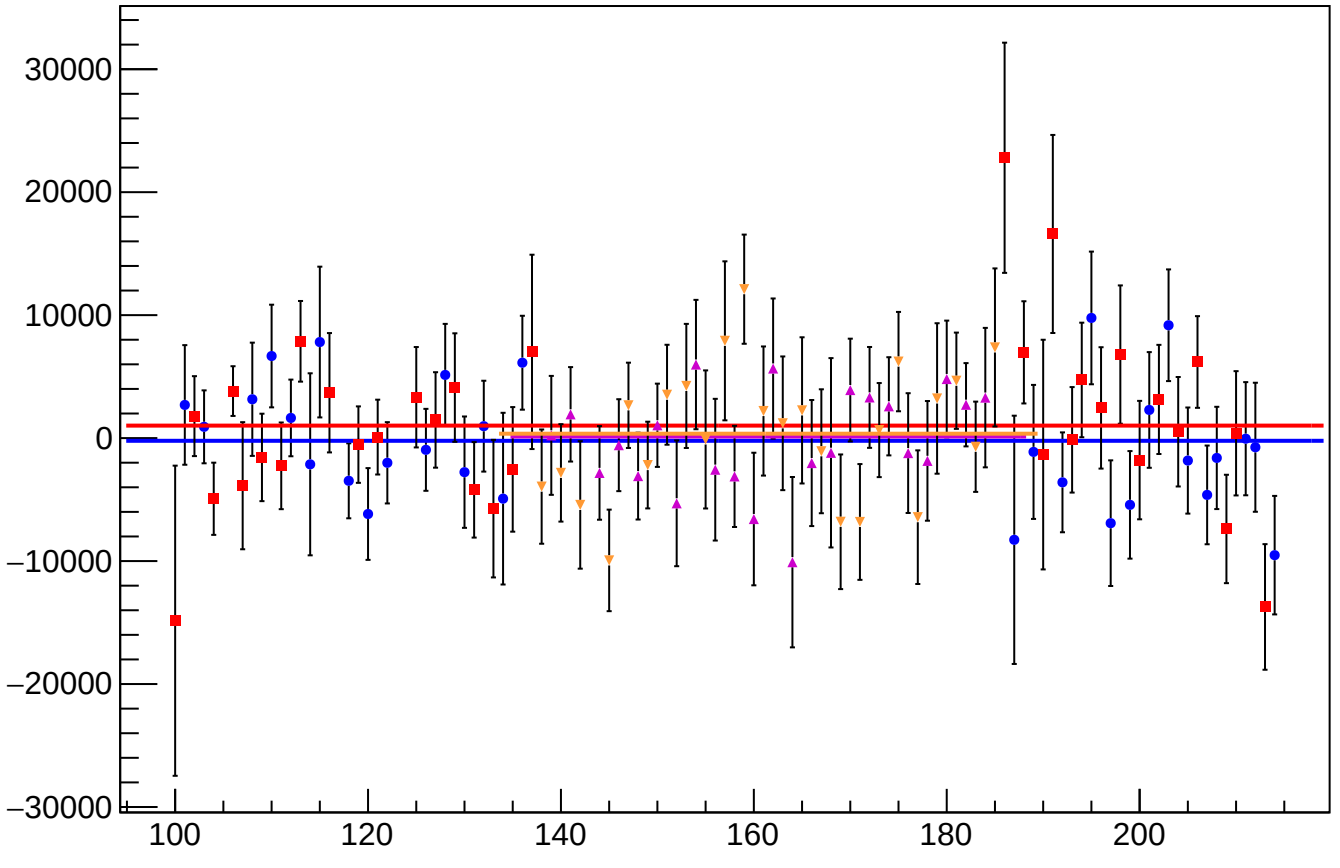
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 929.419+/-0.109 χ^2/NDF: 1289400.7/62

In: 1002.381+/-0.118 χ^2/NDF:1599825.1/52

Out: 998.554+/-0.117 χ^2/NDF:1639092.4/56

All: 1000.442+/-0.083 χ^2/NDF: 3239446.4/10



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

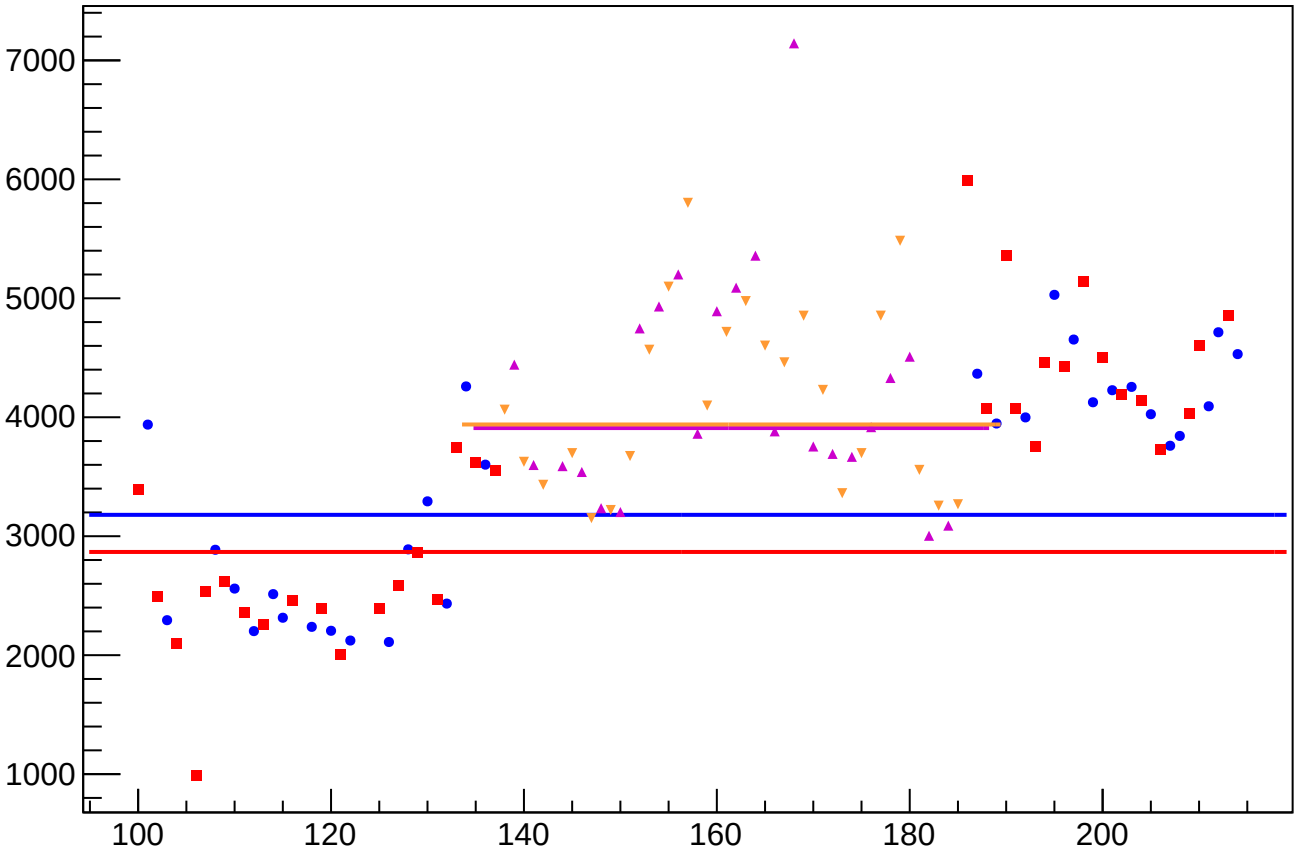
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 448.263+/-526.125 χ^2/NDF: 82.0/62

In: -77.608+/-596.432 χ^2/NDF:46.8/52

Out: 772.732+/-568.242 χ^2/NDF:78.3/56

All: 368.132+/-411.413 χ^2/NDF: 126.2/109



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

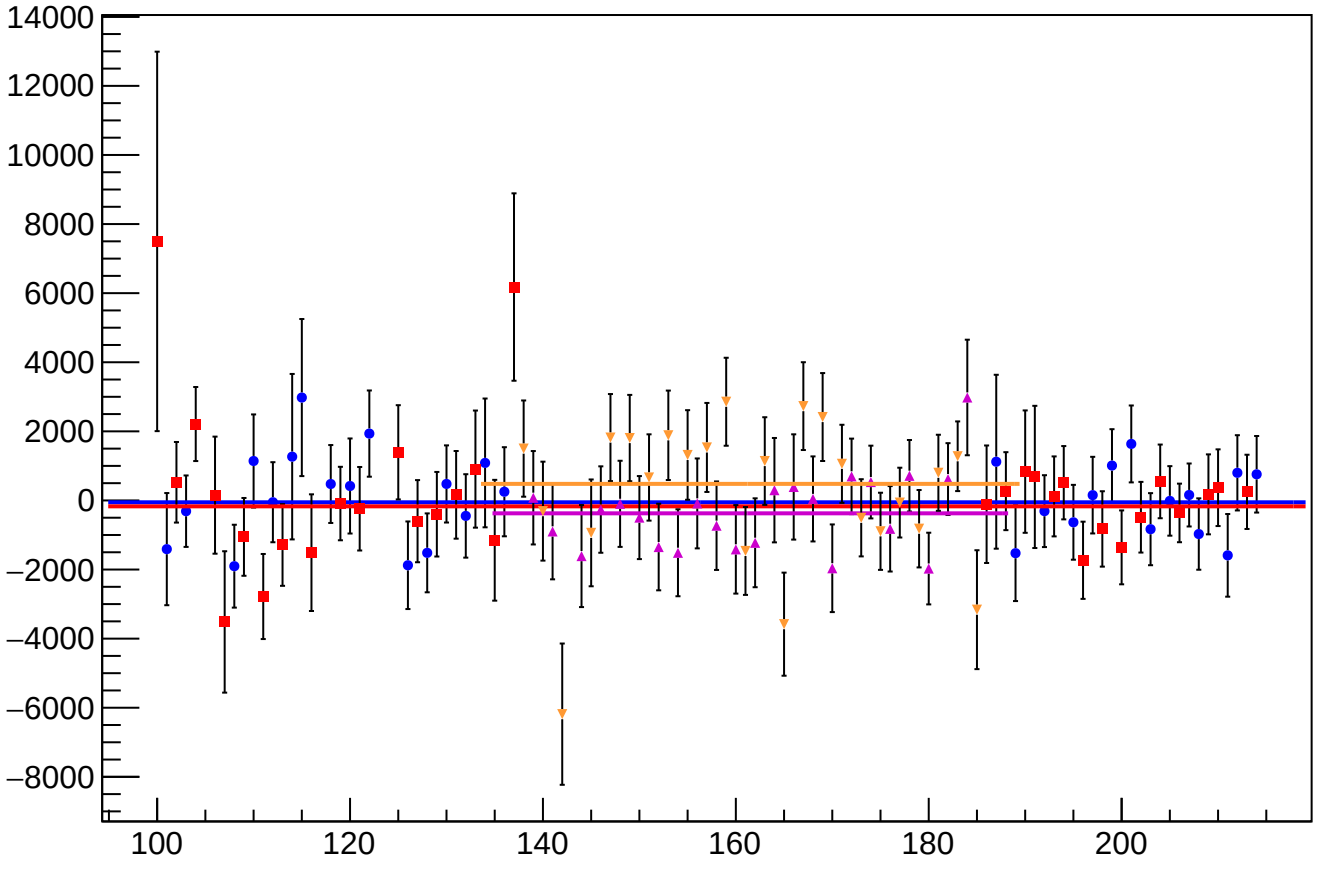
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 3011.160+/-0.372 χ^2/NDF: 8233041.2/62

In: 3477.997+/-0.422 χ^2/NDF:4889831.5/52

Out: 3264.128+/-0.402 χ^2/NDF:7942942.2/56

All: 3365.889+/-0.291 χ^2/NDF: 12967575.2/1



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

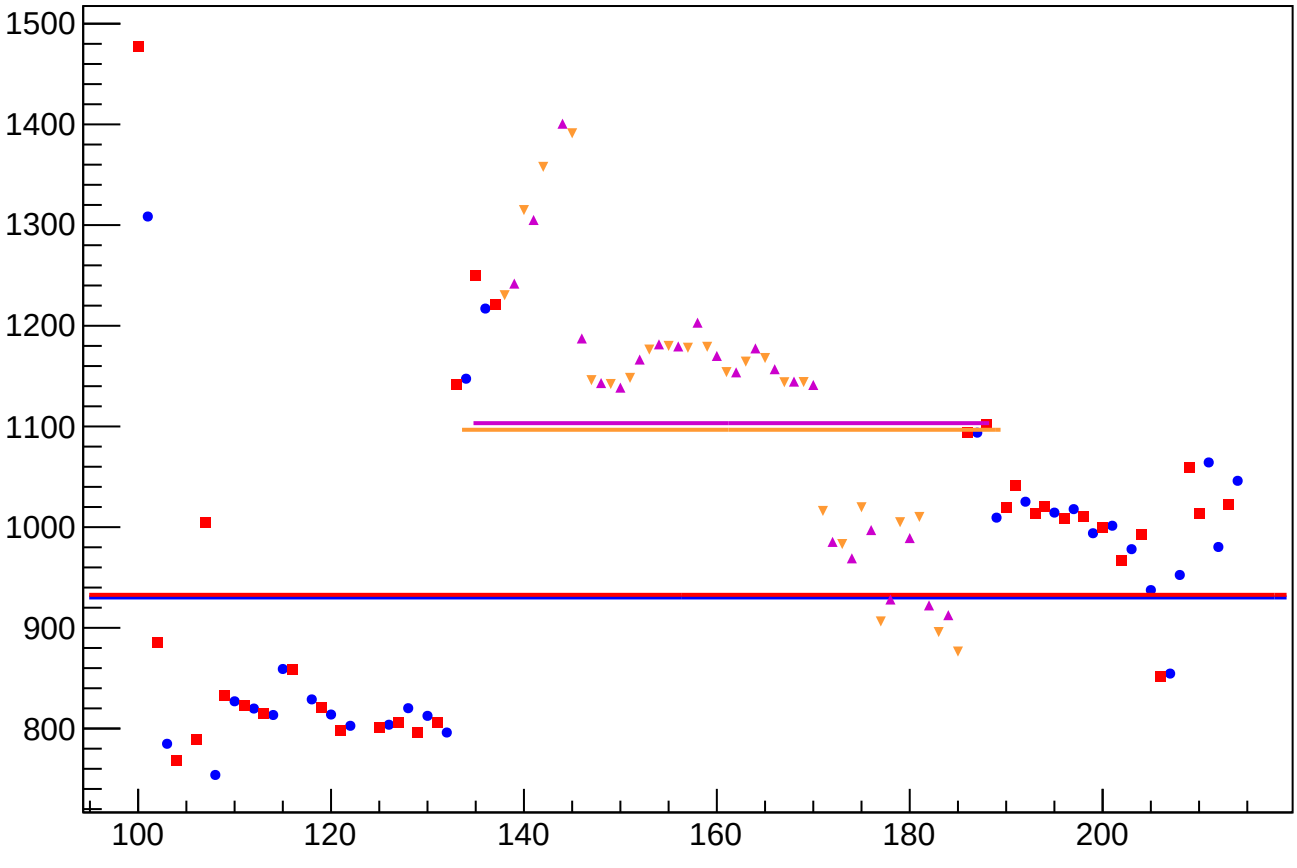
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

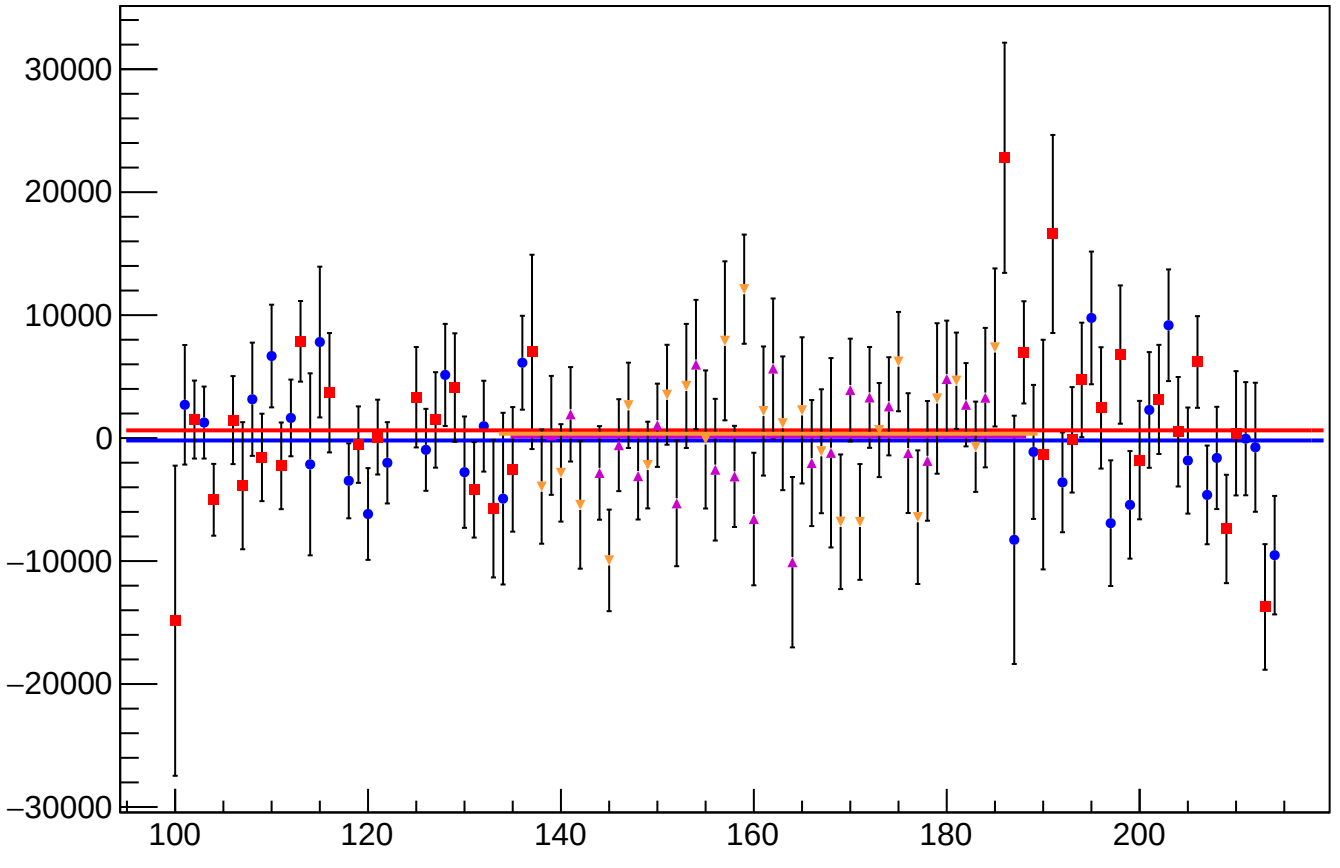
Right: -112.844+/-154.453 χ^2/NDF: 52.9/62

In: -186.926+/-167.487 χ^2/NDF:39.5/52

Out: 101.394+/-165.836 χ^2/NDF:79.0/56

All: -41.338+/-117.843 χ^2/NDF: 120.1/109


cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected
1500
1400
1300
1200
1100
1000
900
800
100
120
140
160
180
200
Right In: 930.162+/-0.155 χ²/NDF: 632754.5/29
Left Out: 1096.711+/-0.181 χ²/NDF:480498.6/23
Right Out: 932.798+/-0.153 χ²/NDF: 597645.7/32
Left In: 1103.281+/-0.183 χ²/NDF:447540.3/22
Left: 1099.958+/-0.129 χ²/NDF: 928688.1/46
Right: 931.494+/-0.109 χ²/NDF: 1230546.1/62
In: 1002.381+/-0.118 χ²/NDF:1599825.1/52
Out: 1001.217+/-0.117 χ²/NDF:1554600.8/56
All: 1001.793+/-0.083 χ²/NDF: 3154474.8/10



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

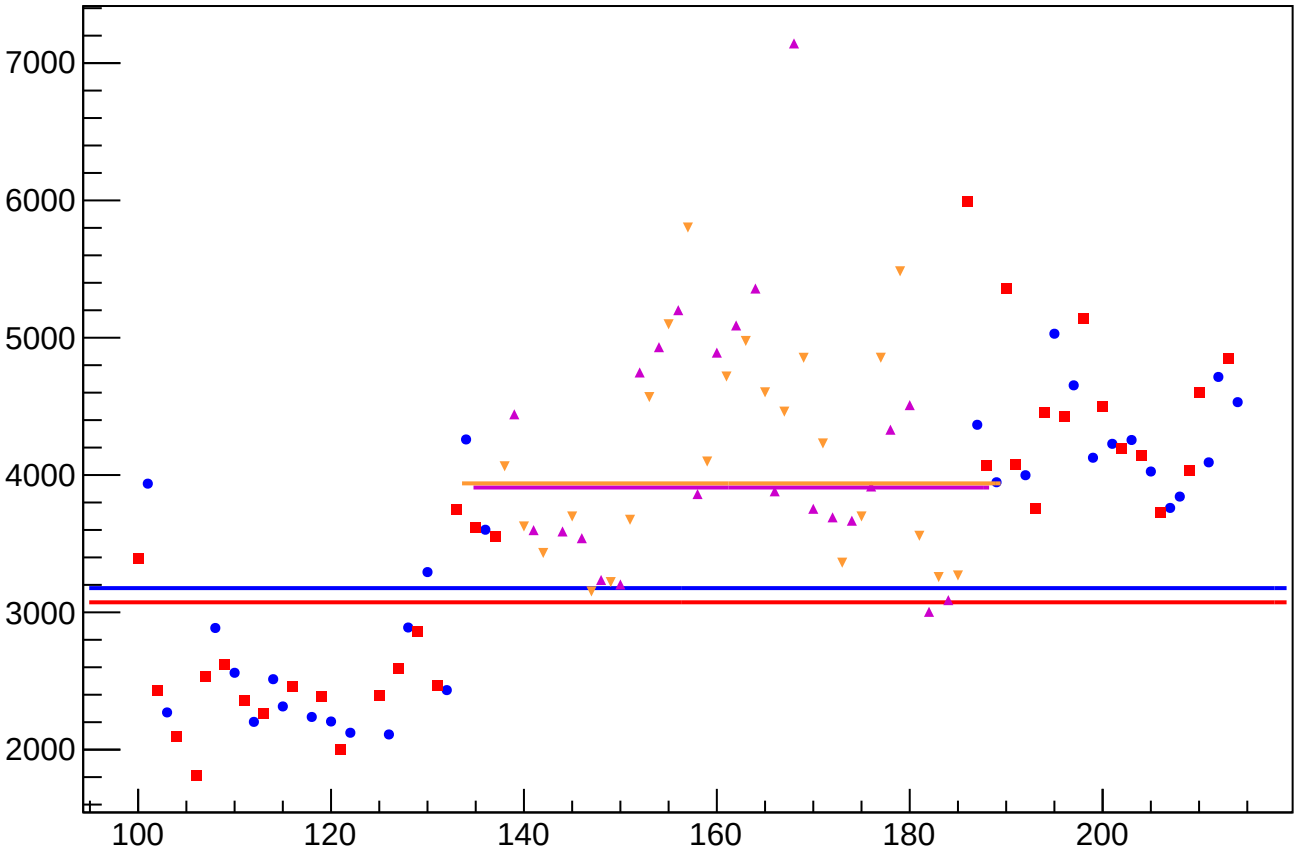
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 233.518+/-537.982 χ^2/NDF: 79.3/62

In: -61.984+/-596.109 χ^2/NDF:46.9/52

Out: 523.338+/-583.568 χ^2/NDF:76.0/56

All: 236.898+/-417.008 χ^2/NDF: 123.4/109



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

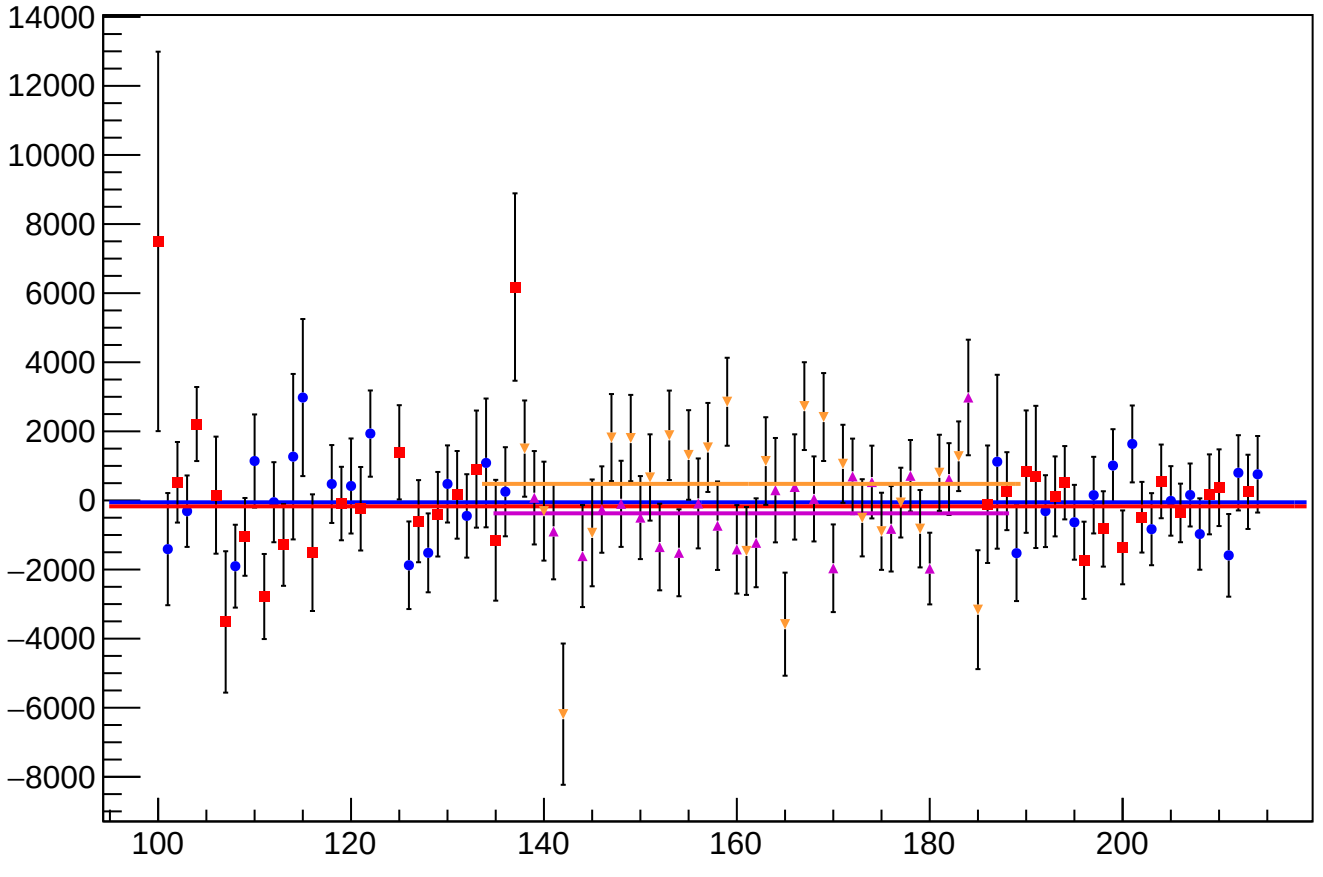
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3122.869+/-0.380 χ^2/NDF: 6399640.7/62

In: 3475.755+/-0.422 χ^2/NDF:4911101.4/52

Out: 3411.065+/-0.413 χ^2/NDF:5642089.8/56

All: 3442.722+/-0.295 χ^2/NDF: 10565218.1/1



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

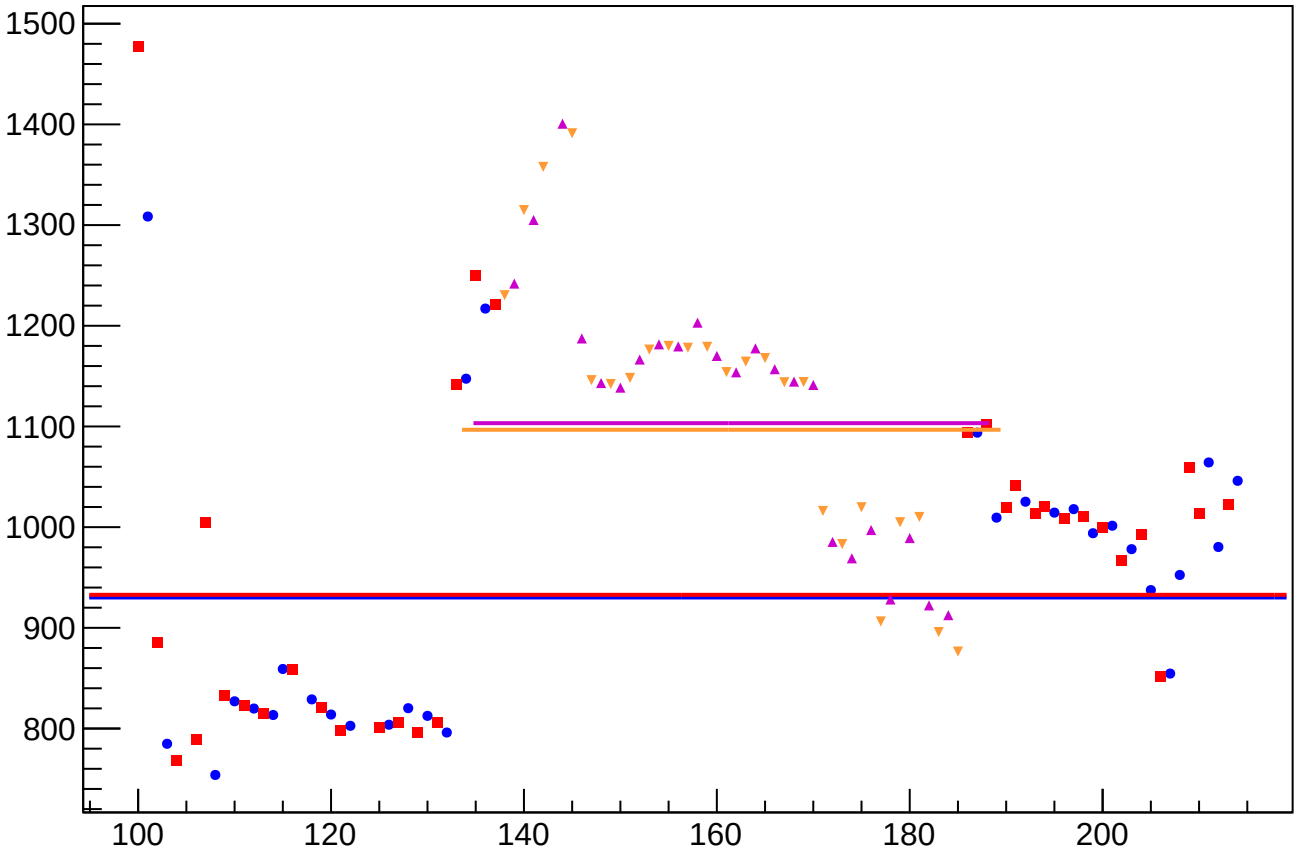
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -112.844+/-154.453 χ^2/NDF: 52.9/62

In: -186.926+/-167.487 χ^2/NDF:39.5/52

Out: 101.394+/-165.836 χ^2/NDF:79.0/56

All: -41.338+/-117.843 χ^2/NDF: 120.1/109



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

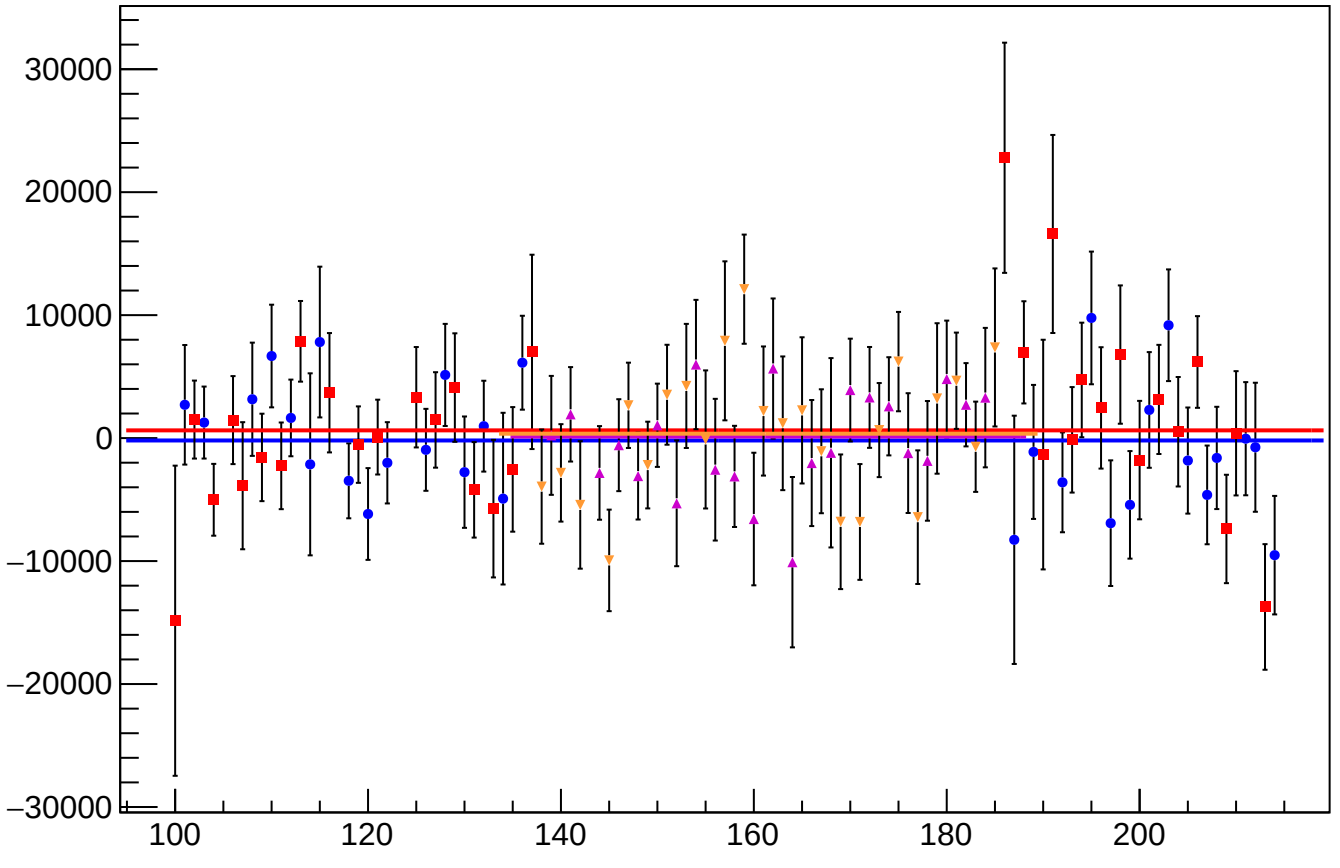
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 931.494+/-0.109 χ^2/NDF: 1230546.1/62

In: 1002.381+/-0.118 χ^2/NDF:1599825.1/52

Out: 1001.217+/-0.117 χ^2/NDF:1554600.8/56

All: 1001.793+/-0.083 χ^2/NDF: 3154474.8/10



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

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

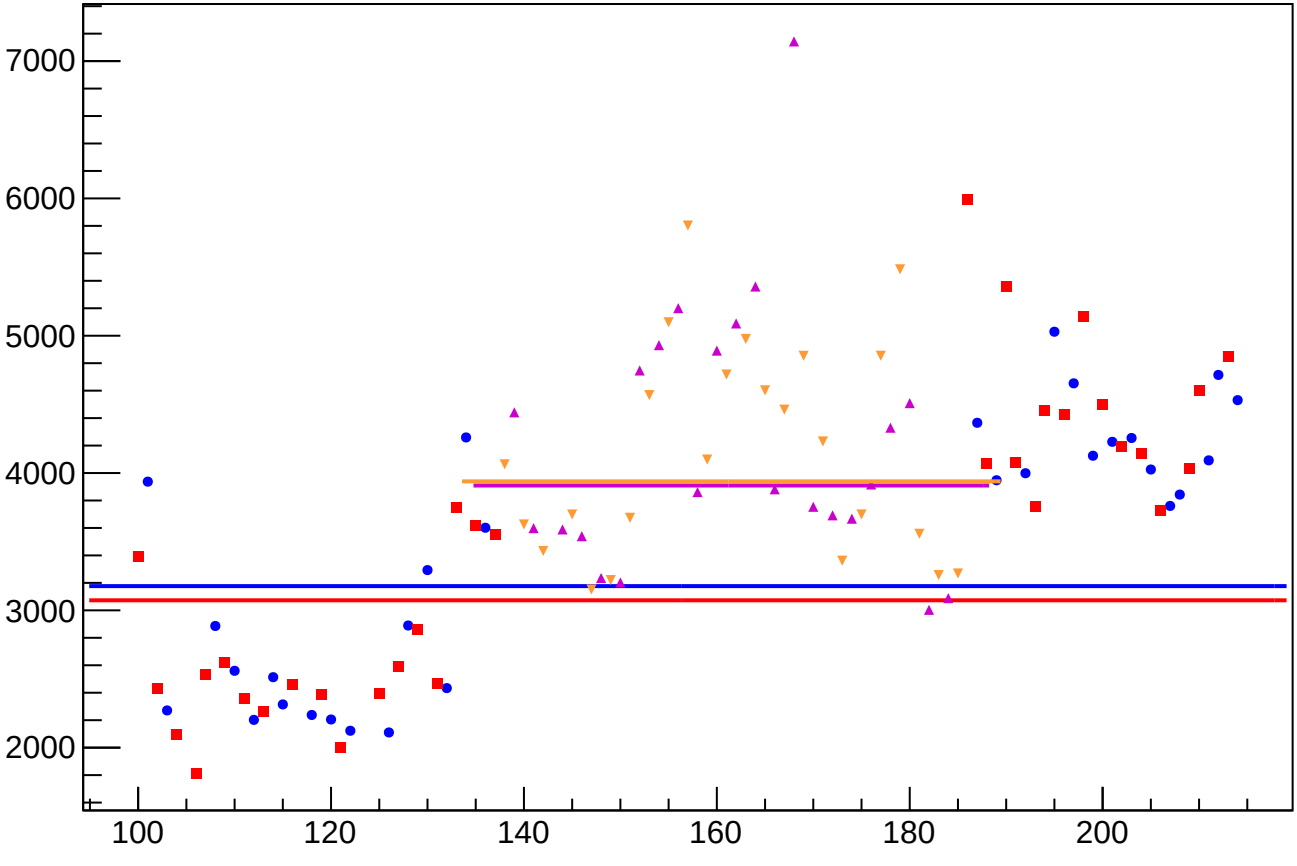
Right: 233.518+/-537.982 χ^2/NDF: 79.3/62

In: -61.984+/-596.109 χ^2/NDF:46.9/52

Out: 523.338+/-583.568 χ^2/NDF:76.0/56

All: 236.898+/-417.008 χ^2/NDF: 123.4/109

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

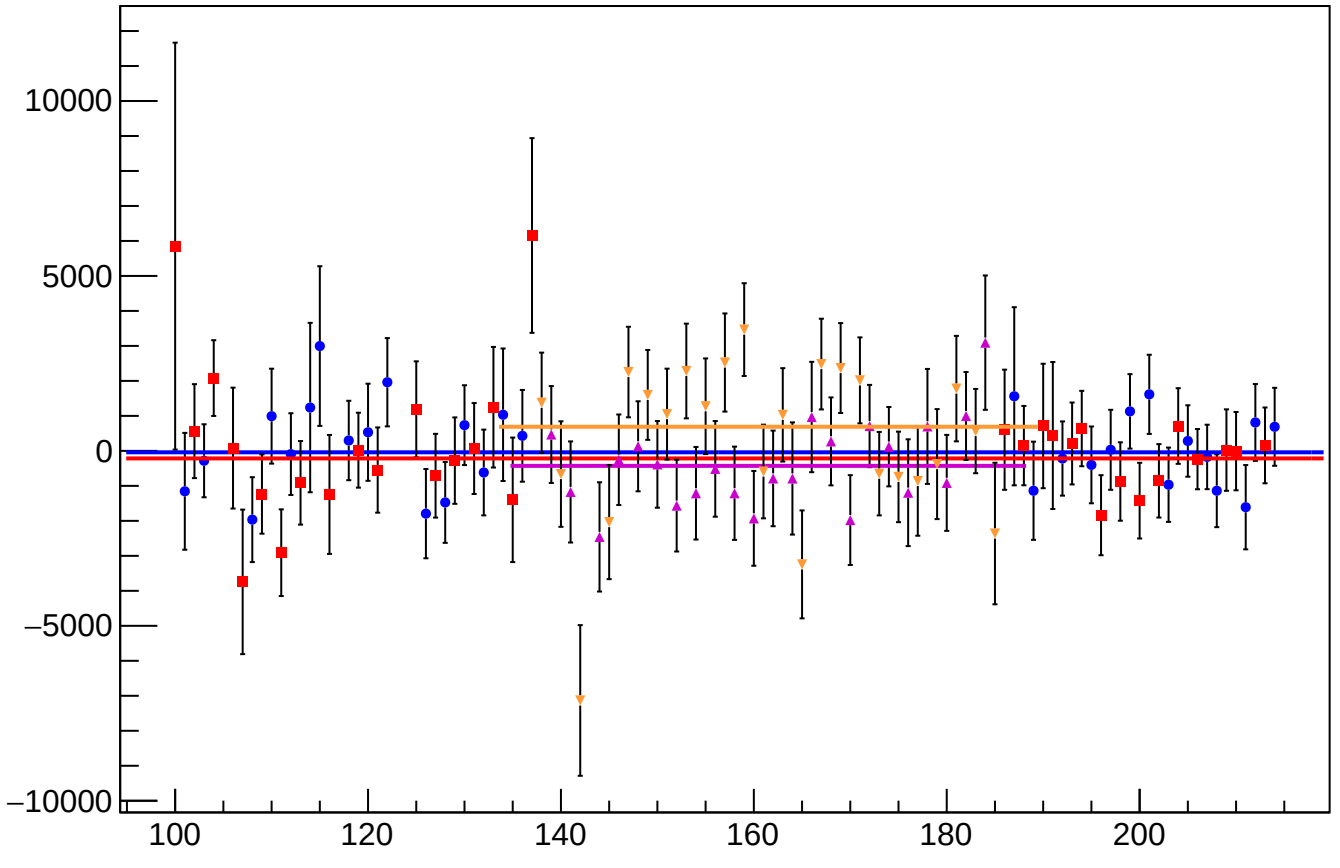
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3122.869+/-0.380 χ^2/NDF: 6399640.7/62

In: 3475.755+/-0.422 χ^2/NDF:4911101.4/52

Out: 3411.065+/-0.413 χ^2/NDF:5642089.8/56

All: 3442.722+/-0.295 χ^2/NDF: 10565218.1/1



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

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

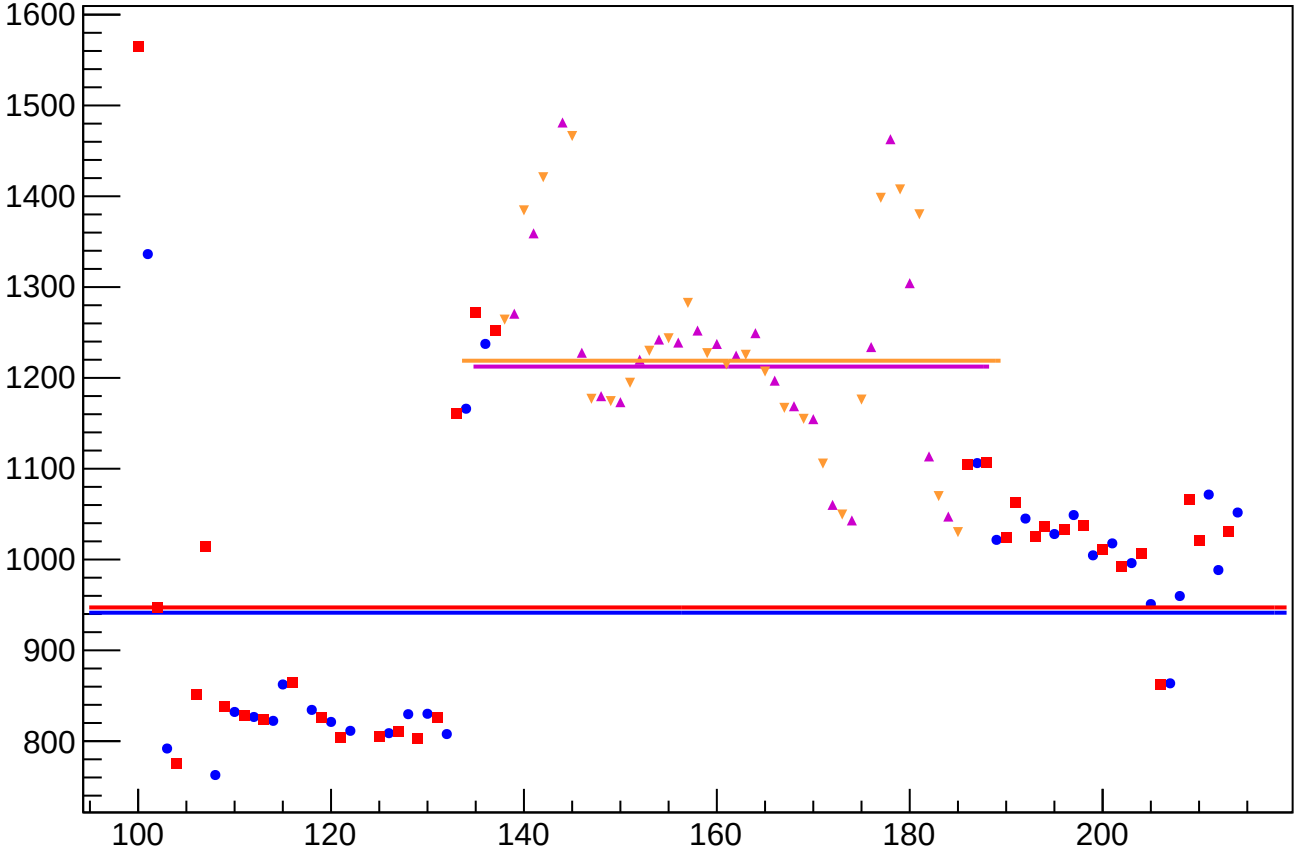
Right: -128.646+/-156.711 χ^2/NDF: 51.8/62

In: -187.651+/-175.075 χ^2/NDF:38.0/52

Out: 125.247+/-174.544 χ^2/NDF:81.3/56

All: -30.726+/-123.609 χ^2/NDF: 120.9/109

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



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

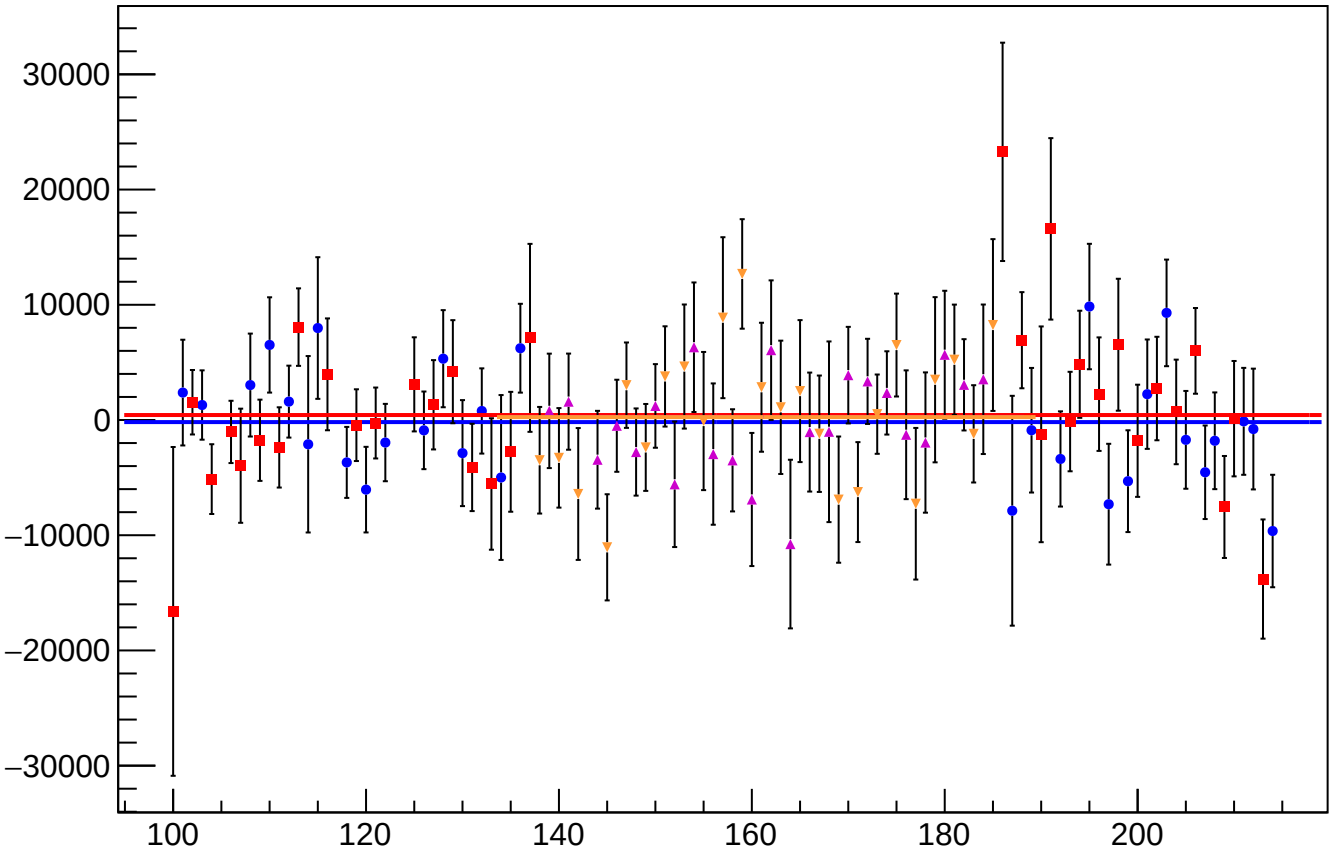
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 944.359+/-0.111 χ^2/NDF: 1252391.8/62

In: 1044.149+/-0.124 χ^2/NDF:2038702.3/52

Out: 1049.533+/-0.123 χ^2/NDF:2033186.3/56

All: 1046.850+/-0.087 χ^2/NDF: 4072837.4/10



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

Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

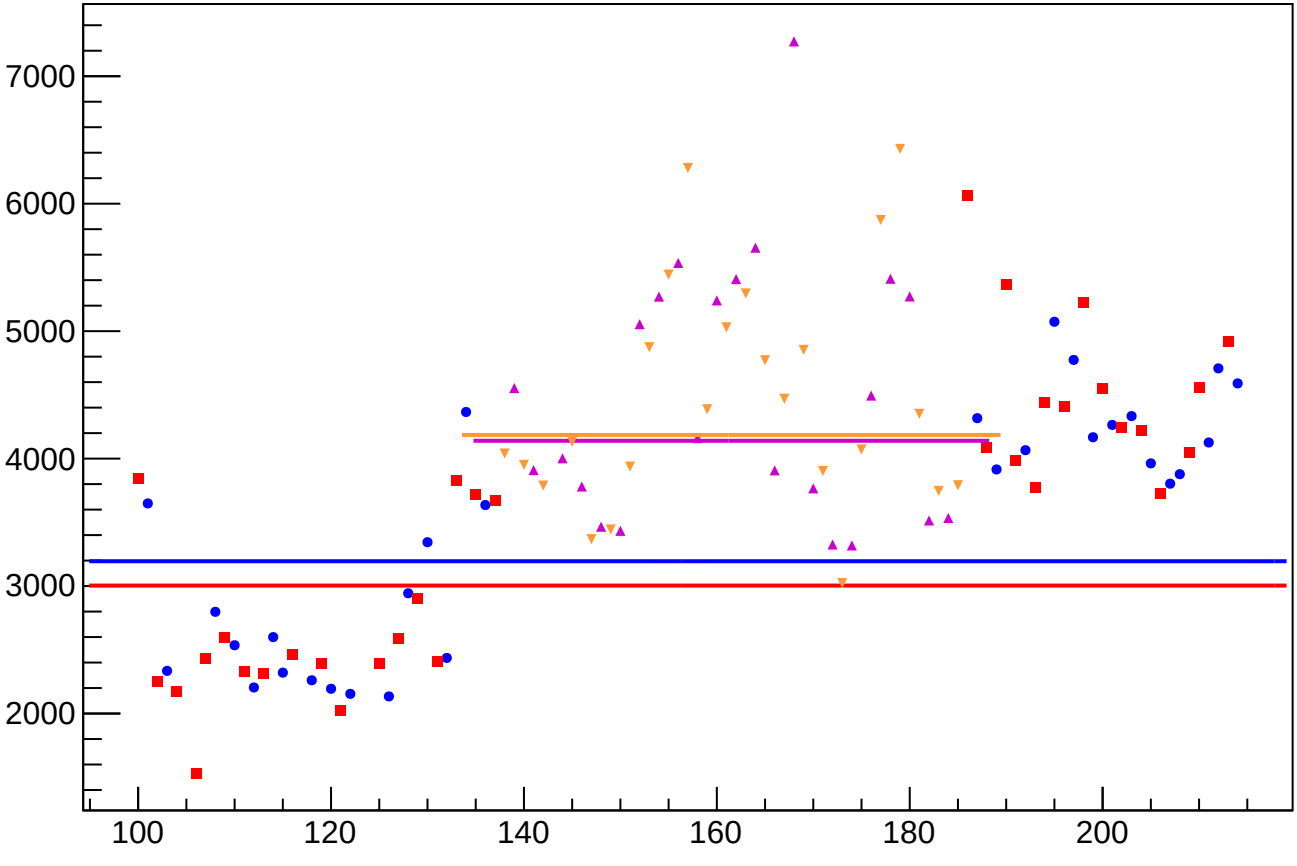
Right: 143.773+/-534.248 χ^2/NDF: 78.9/62

In: -9.951+/-612.664 χ^2/NDF:46.3/52

Out: 368.410+/-590.346 χ^2/NDF:75.6/56

All: 186.246+/-425.109 χ^2/NDF: 122.1/109

asym_usl_atl2_dd_dit_correction_rms vs Slug, Sign Corrected



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

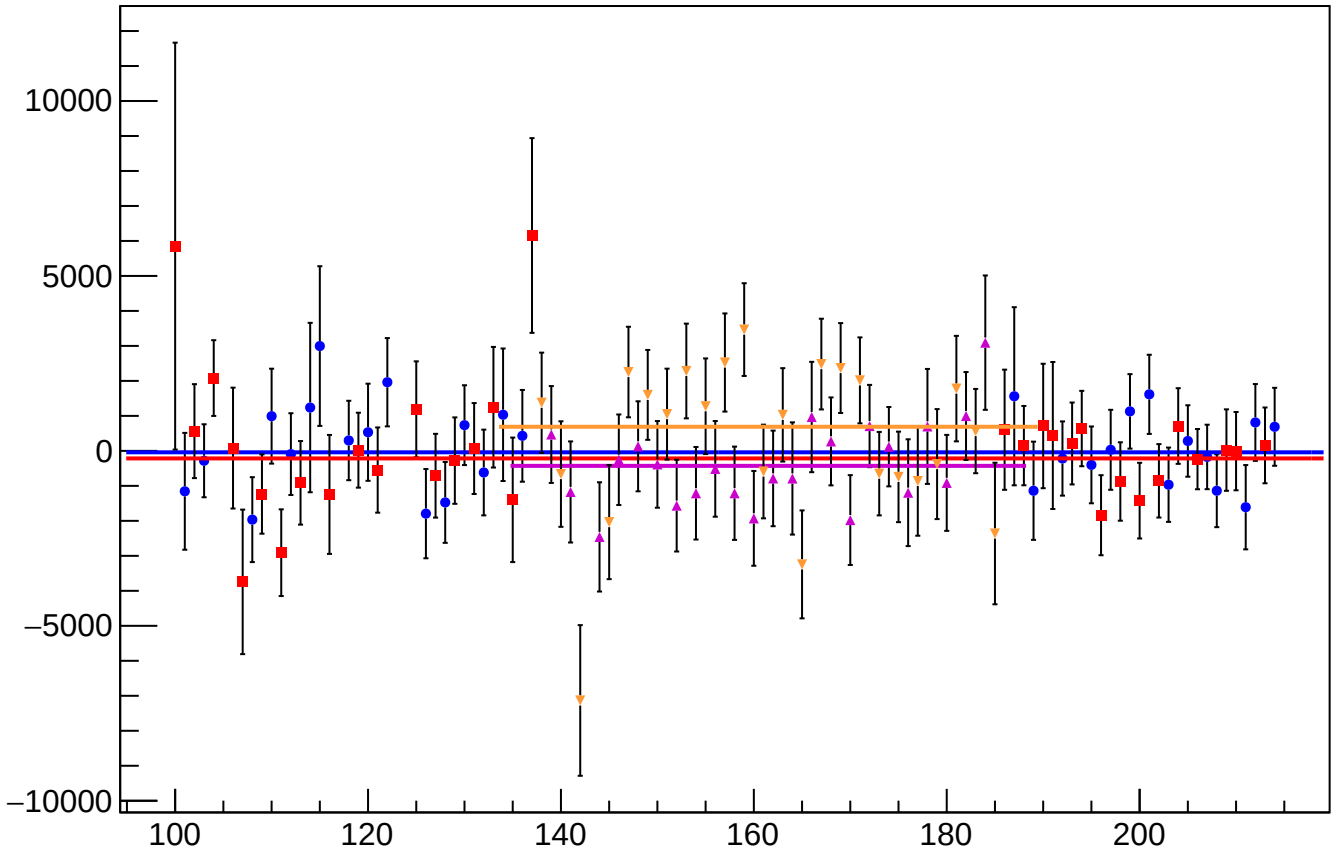
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 3093.568+/-0.378 χ^2/NDF: 6922696.1/62

In: 3556.816+/-0.433 χ^2/NDF:5433585.2/52

Out: 3419.827+/-0.417 χ^2/NDF:7098957.9/56

All: 3485.781+/-0.301 χ^2/NDF: 12584391.8/1



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

Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

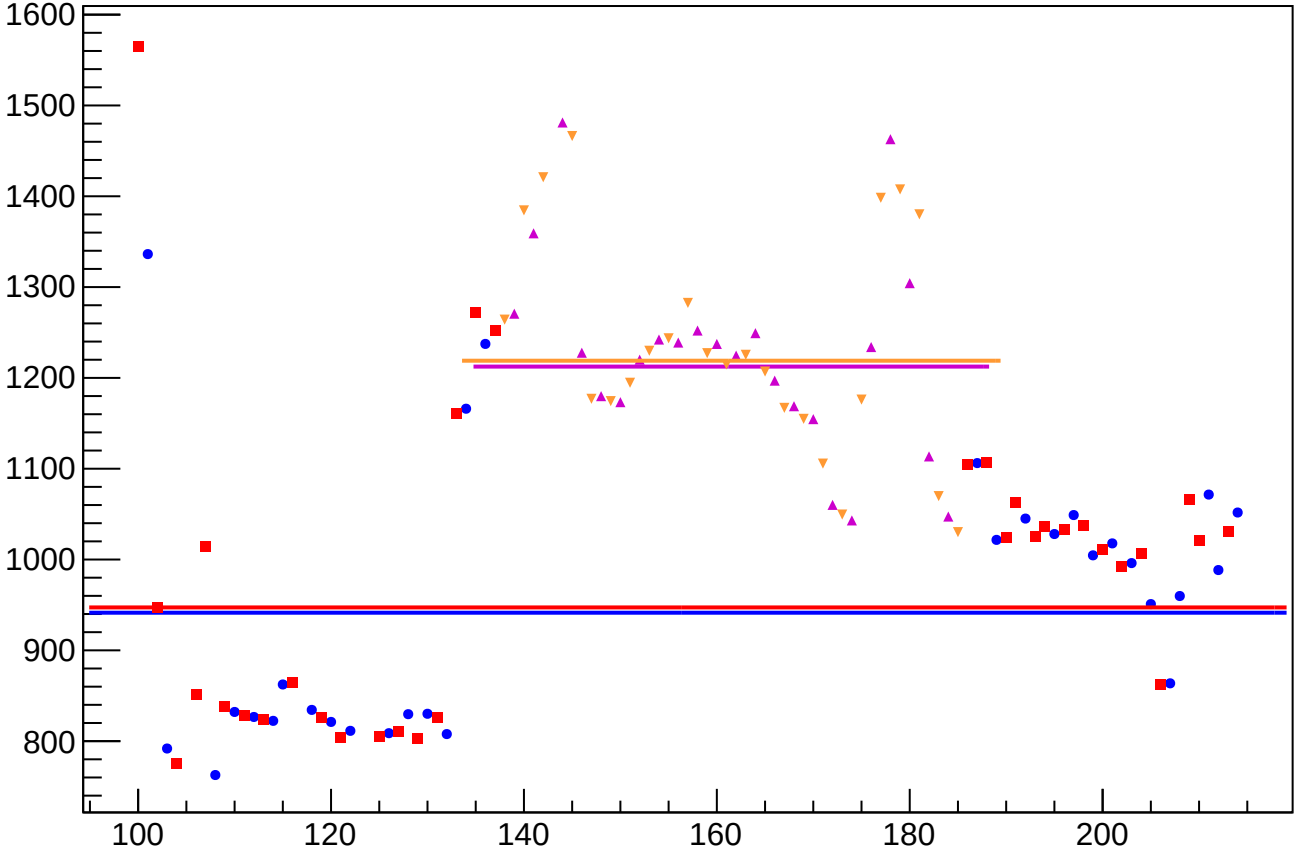
Right: -128.647+/-156.711 χ^2/NDF: 51.8/62

In: -187.652+/-175.075 χ^2/NDF:38.0/52

Out: 125.248+/-174.544 χ^2/NDF:81.3/56

All: -30.726+/-123.609 χ^2/NDF: 120.9/109

eigen_dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



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

Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

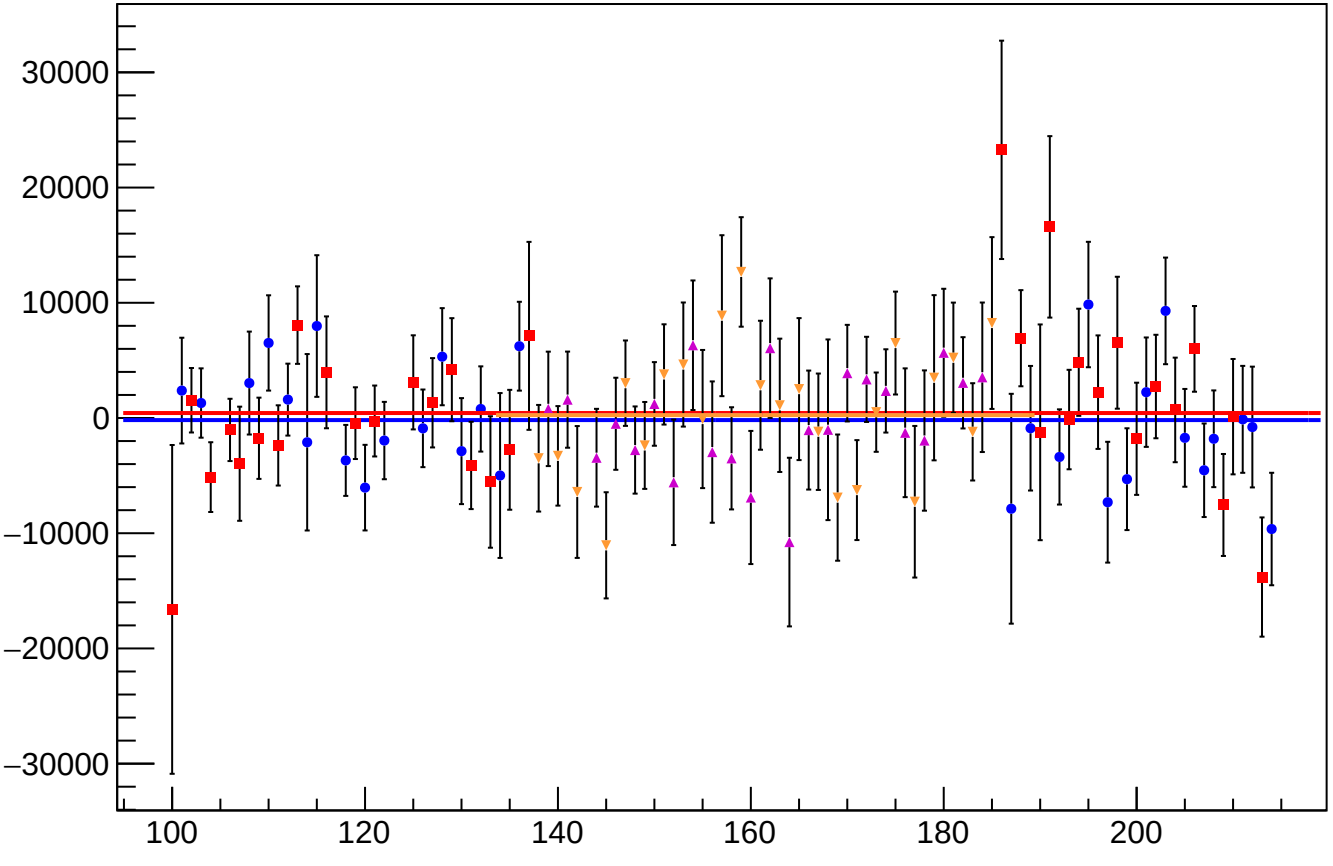
Right: 944.359+/-0.111 χ^2/NDF: 1252392.0/62

In: 1044.150+/-0.124 χ^2/NDF:2038718.4/52

Out: 1049.534+/-0.123 χ^2/NDF:2033204.6/56

All: 1046.851+/-0.087 χ^2/NDF: 4072871.7/10

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

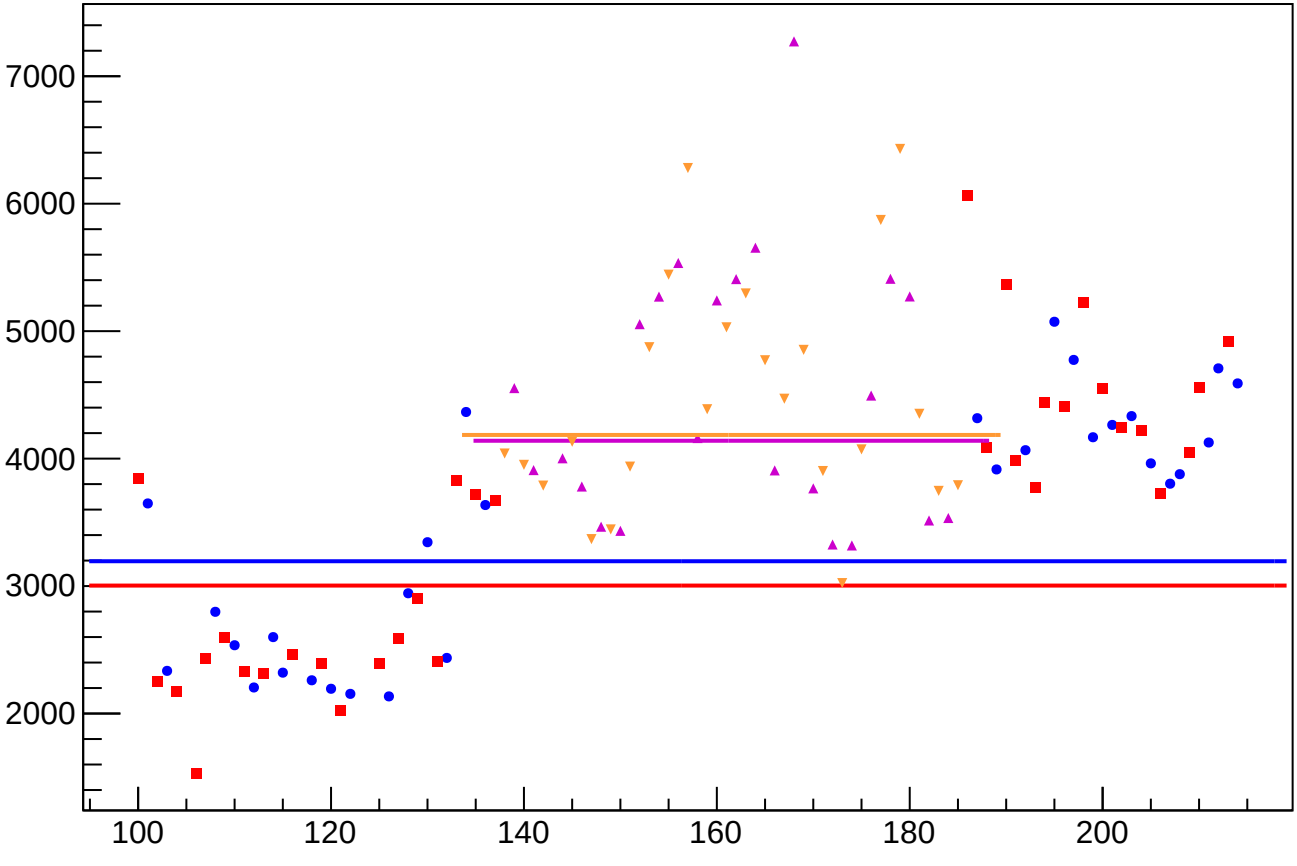
Right: 143.771+/-534.247 χ^2/NDF: 78.9/62

In: -9.952+/-612.664 χ^2/NDF:46.3/52

Out: 368.409+/-590.346 χ^2/NDF:75.6/56

All: 186.245+/-425.109 χ^2/NDF: 122.1/109

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

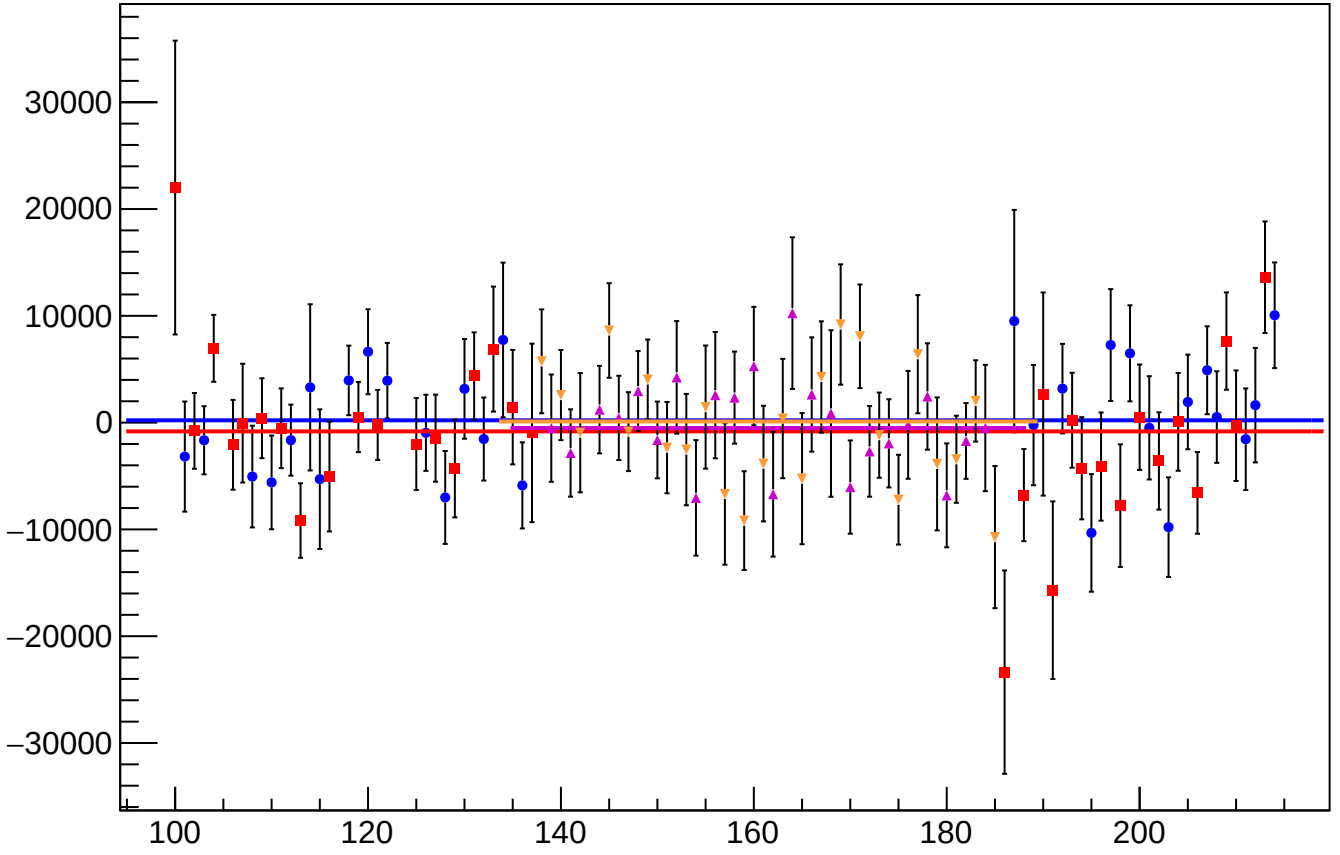
Right: 3093.562+/-0.378 χ^2/NDF: 6922794.5/62

In: 3556.814+/-0.433 χ^2/NDF:5433668.1/52

Out: 3419.825+/-0.417 χ^2/NDF:7099041.5/56

All: 3485.779+/-0.301 χ^2/NDF: 12584559.0/1

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



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

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

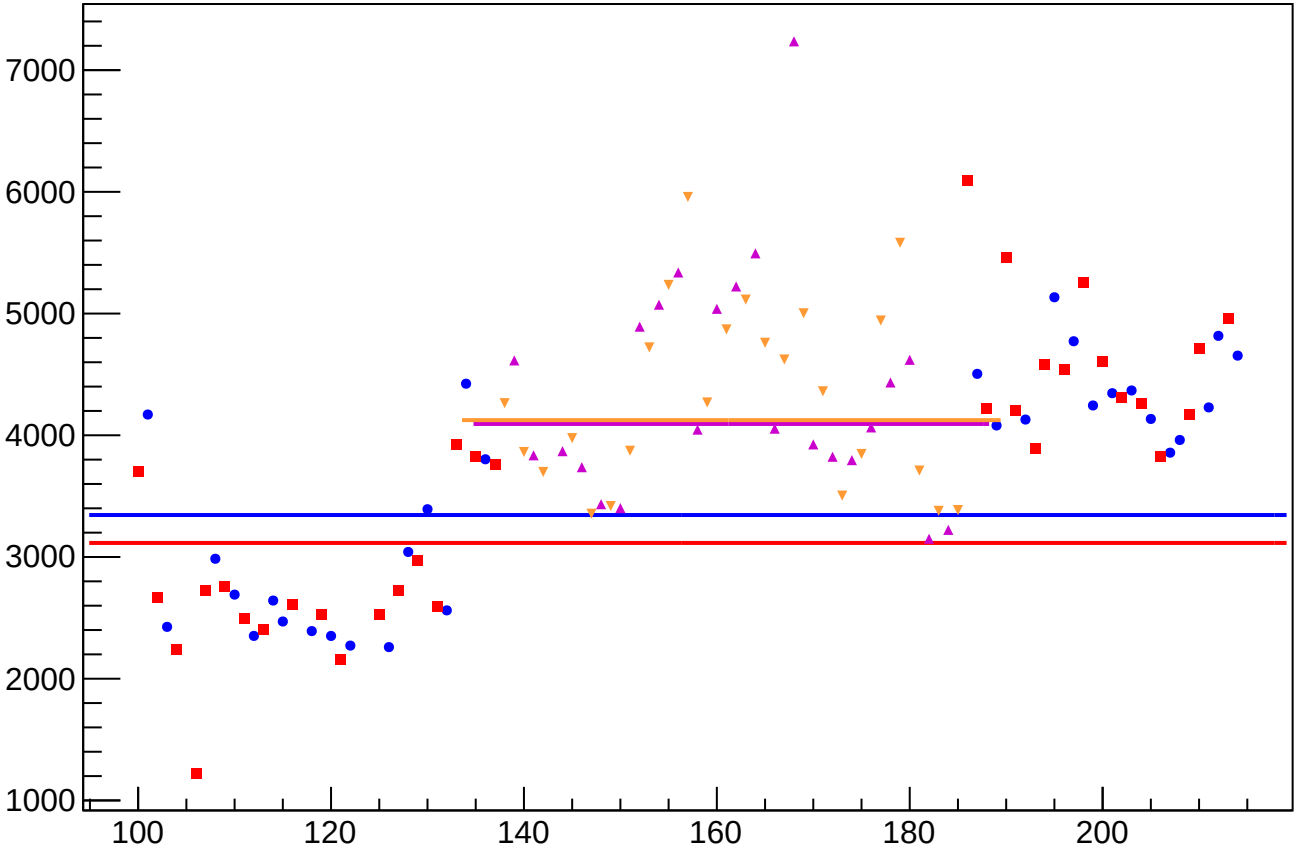
Right: -317.860+/-566.267 χ^2/NDF: 83.7/62

In: -81.828+/-624.118 χ^2/NDF:49.6/52

Out: -453.018+/-613.633 χ^2/NDF:75.7/56

All: -270.567+/-437.564 χ^2/NDF: 125.5/109

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



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

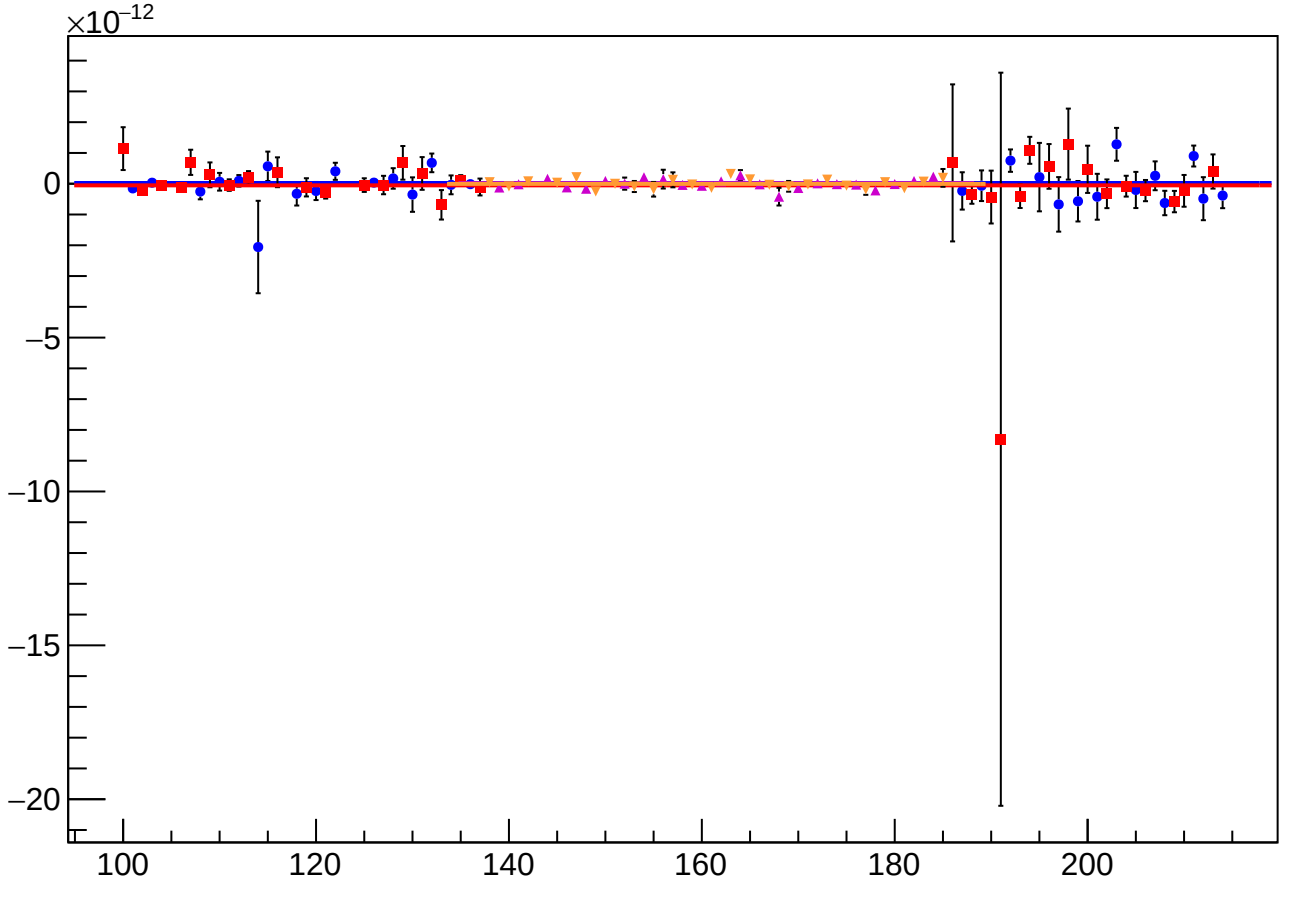
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3223.397+/-0.394 χ^2/NDF: 6803945.0/62

In: 3652.019+/-0.441 χ^2/NDF:4435273.3/52

Out: 3500.139+/-0.426 χ^2/NDF:6436083.2/56

All: 3573.384+/-0.306 χ^2/NDF: 10932678.3/1



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

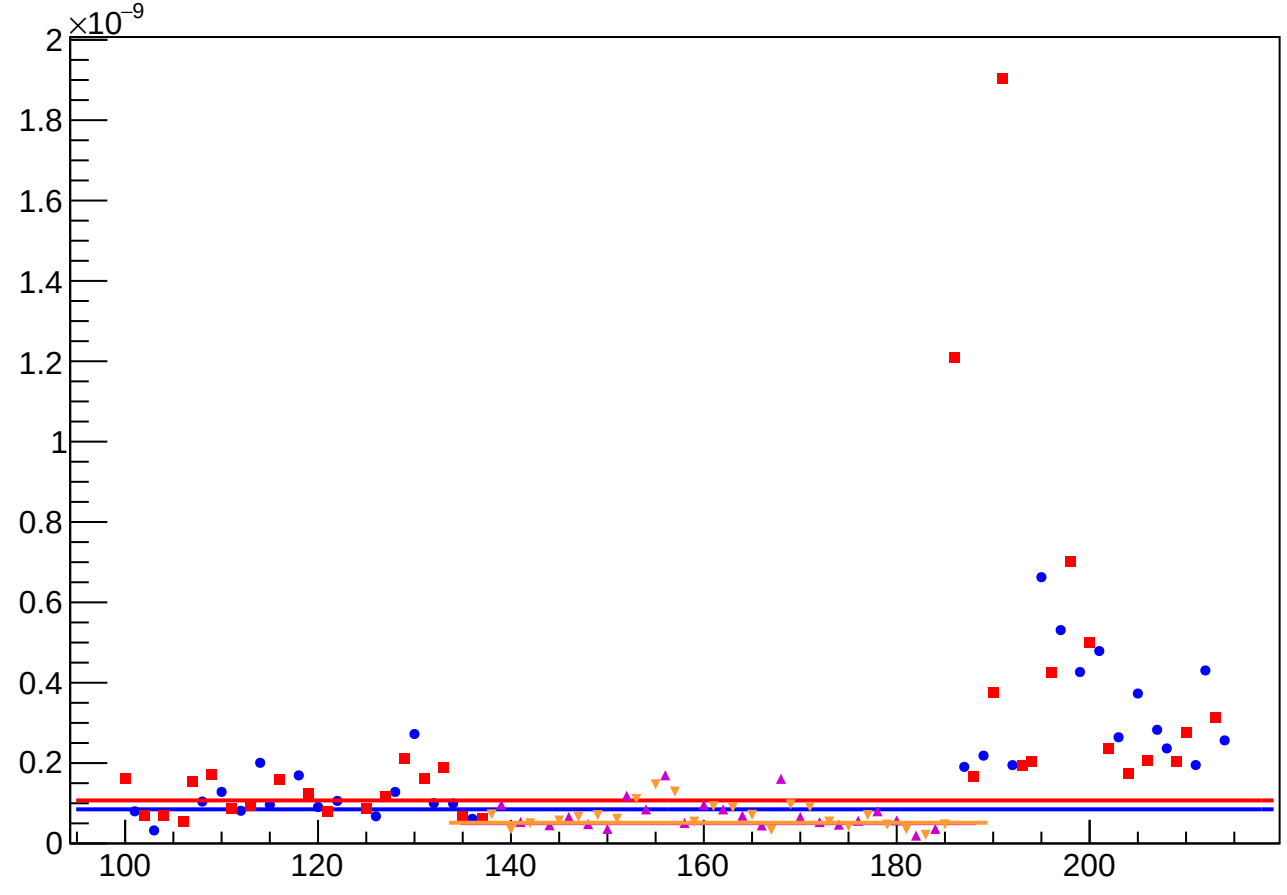
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 72.4/62

In: 0.000+/-0.000 χ^2/NDF:64.0/52

Out: -0.000+/-0.000 χ^2/NDF:57.7/56

All: 0.000+/-0.000 χ^2/NDF: 123.0/109



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

Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

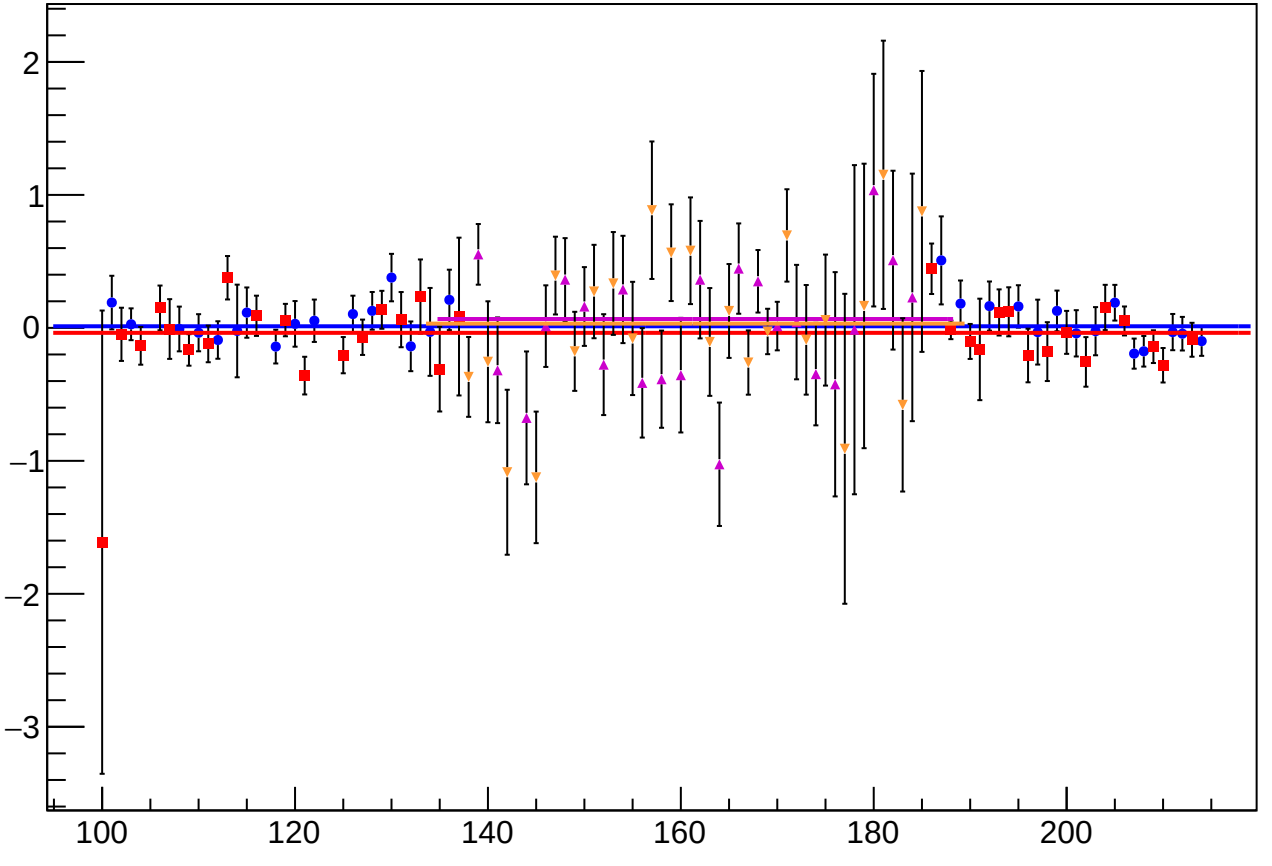
Right: 0.000+/-0.000 χ^2/NDF: 11272728.4/62

In: 0.000+/-0.000 χ^2/NDF:10053705.8/52

Out: 0.000+/-0.000 χ^2/NDF:8874675.2/56

All: 0.000+/-0.000 χ^2/NDF: 18953533.9/109

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

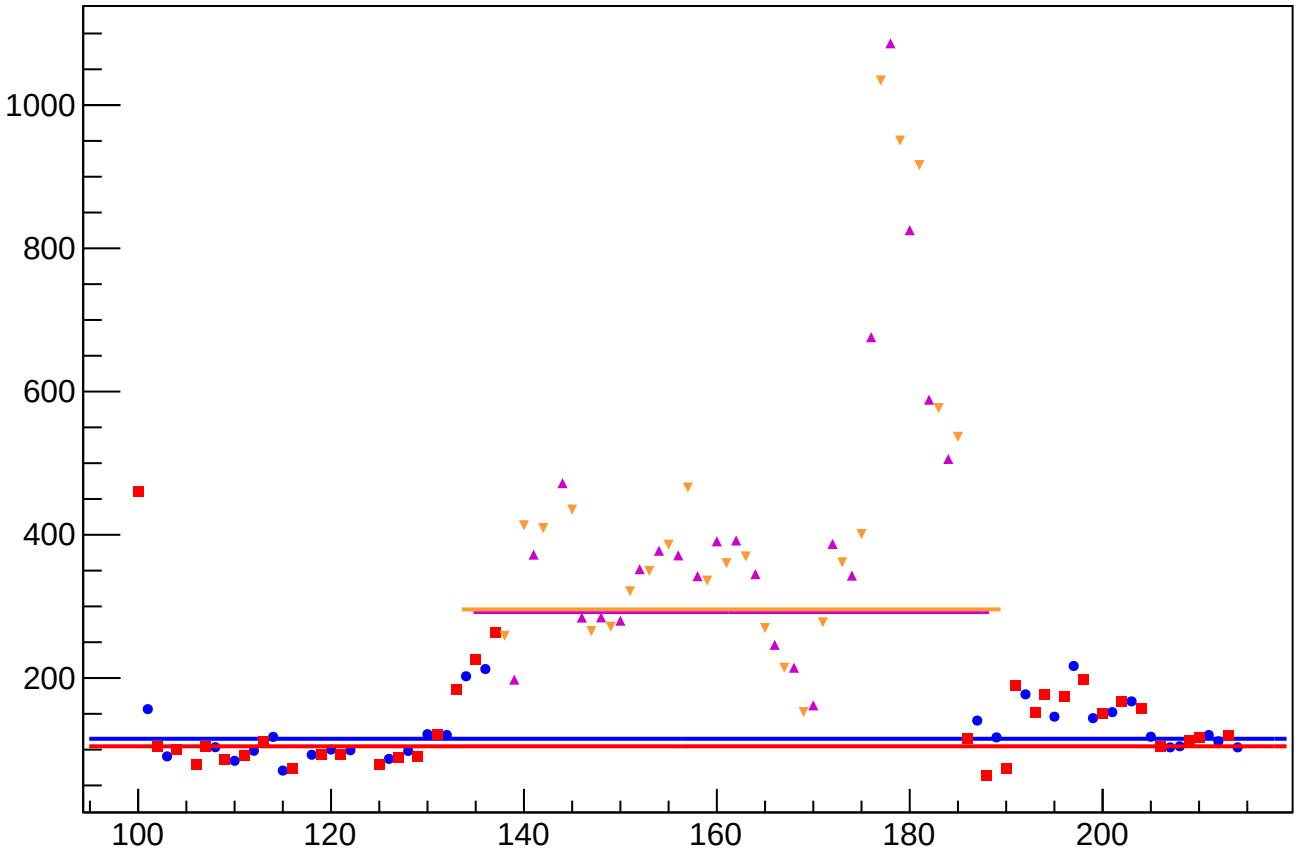
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.015+/-0.019 χ^2/NDF: 65.5/62

In: 0.019+/-0.027 χ^2/NDF:50.7/52

Out: -0.030+/-0.025 χ^2/NDF:69.8/56

All: -0.007+/-0.018 χ^2/NDF: 122.3/109



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

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

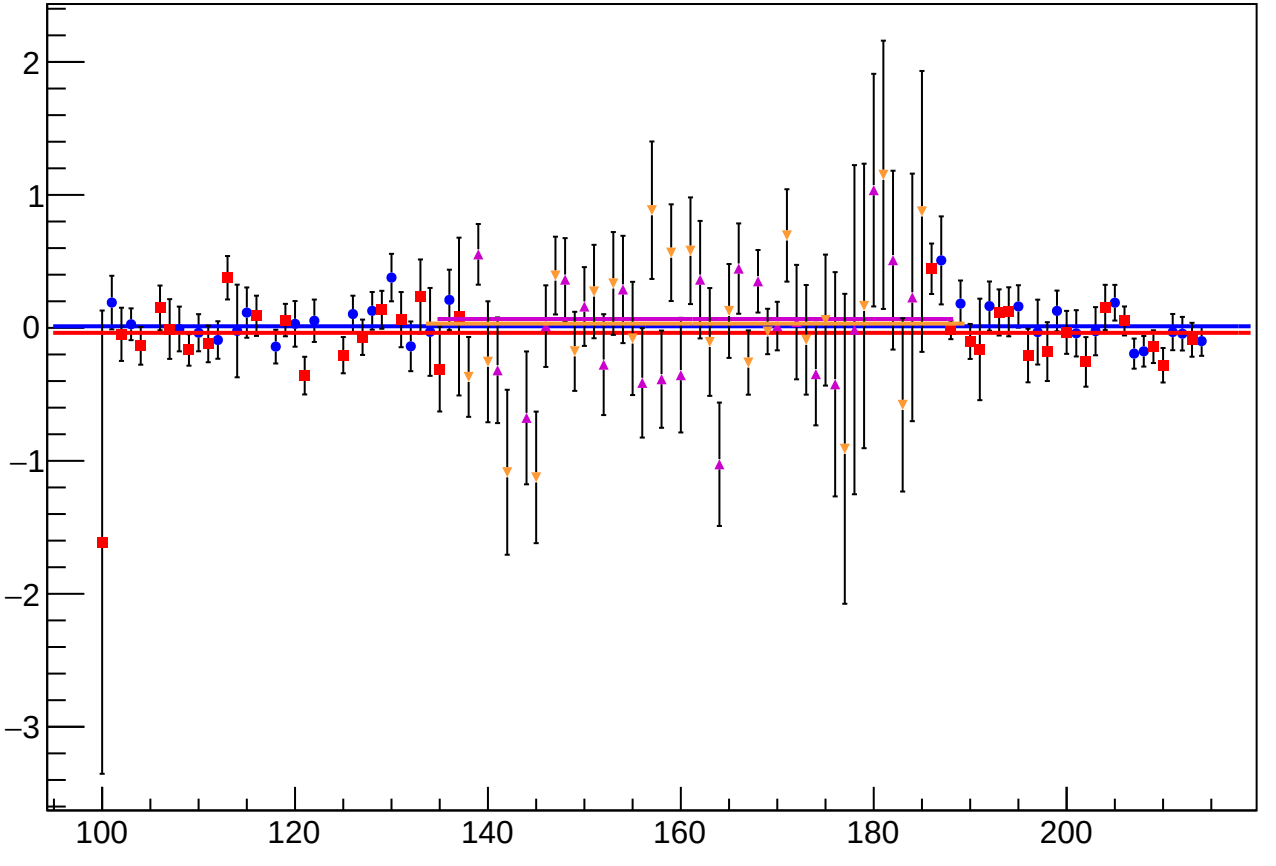
Right: 109.504+/-0.014 χ^2/NDF: 5966915.8/62

In: 137.585+/-0.019 χ^2/NDF:17039013.8/52

Out: 125.149+/-0.018 χ^2/NDF:20423730.8/56

All: 130.958+/-0.013 χ^2/NDF: 37695822.7/10

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

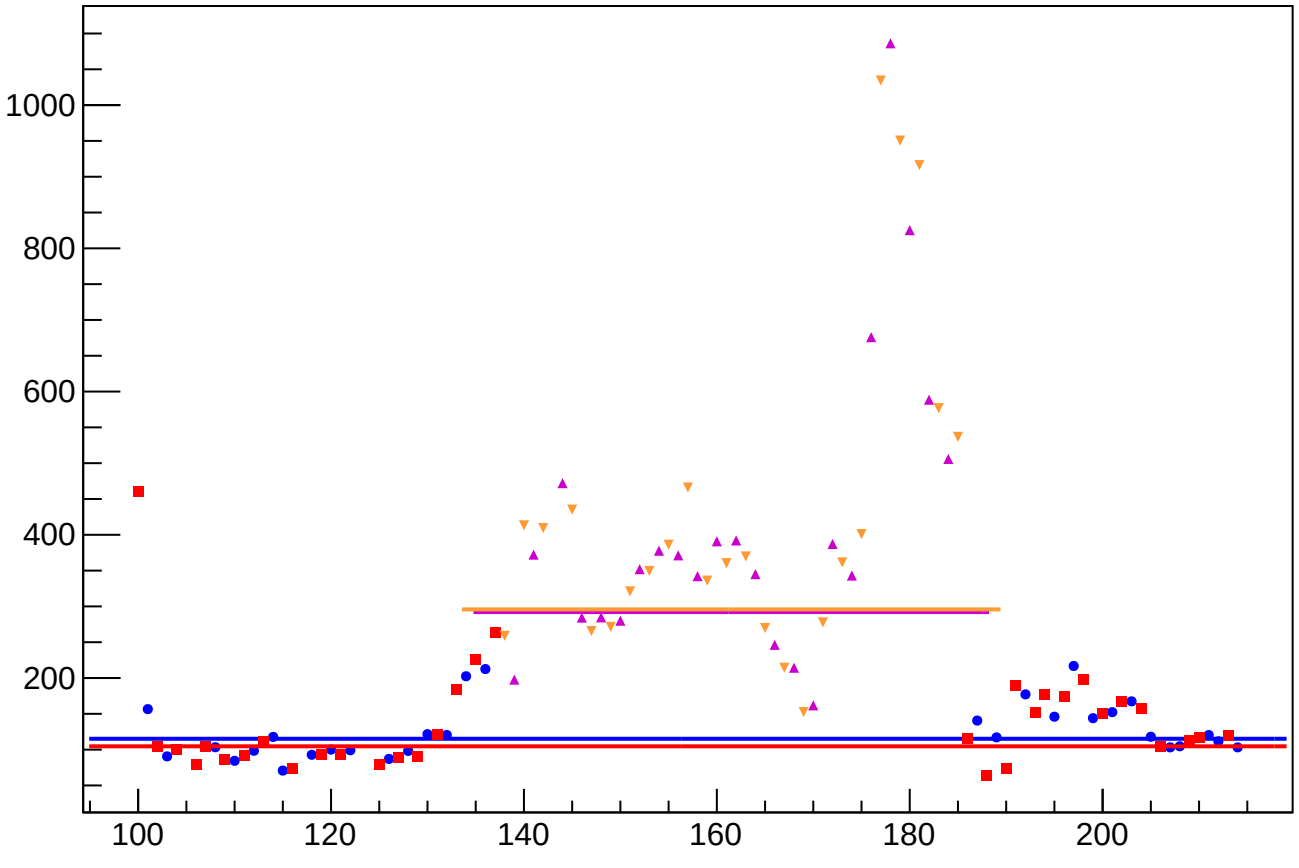
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.015+/-0.019 χ^2/NDF: 65.5/62

In: 0.019+/-0.027 χ^2/NDF:50.7/52

Out: -0.030+/-0.025 χ^2/NDF:69.8/56

All: -0.007+/-0.018 χ^2/NDF: 122.3/109



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

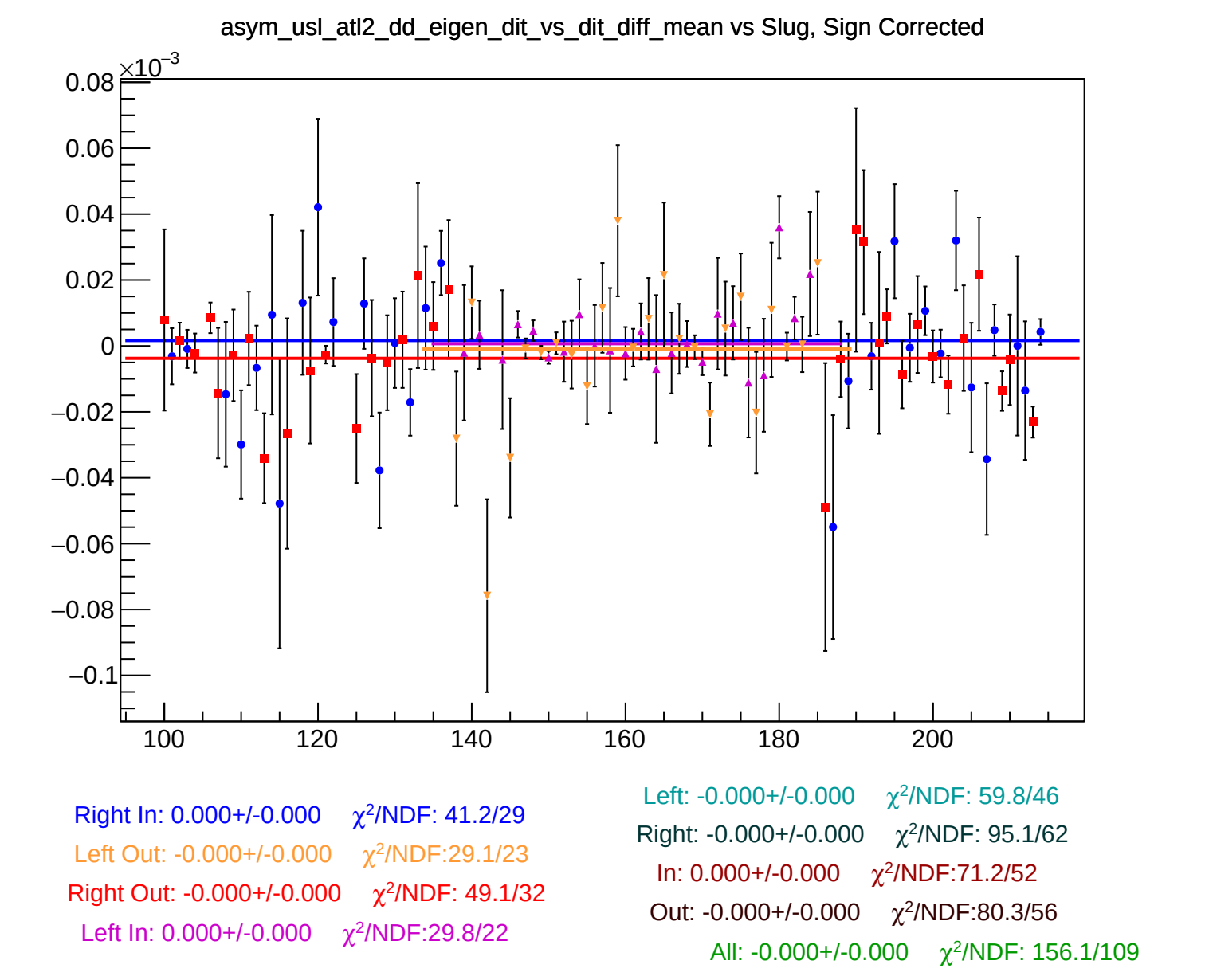
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

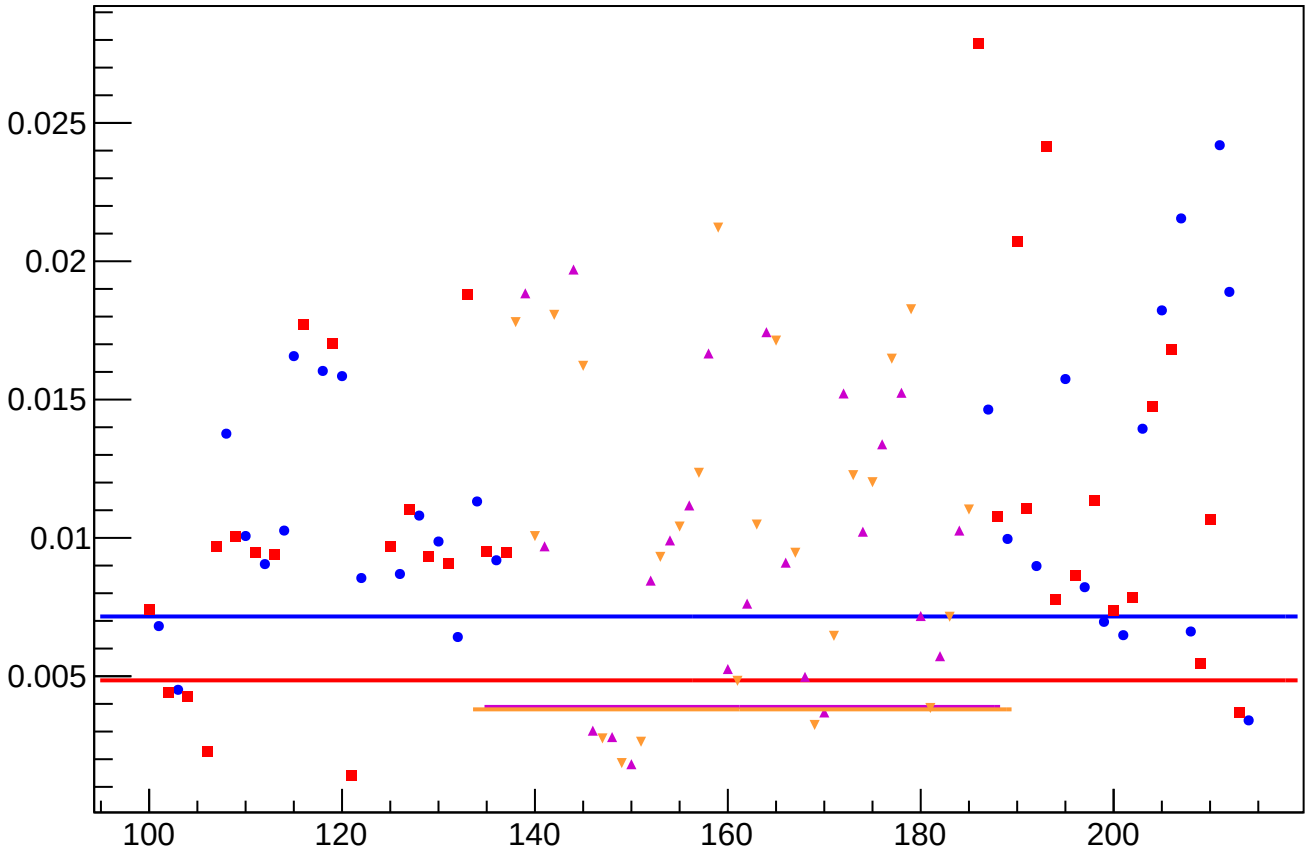
Right: 109.504+/-0.014 χ^2/NDF: 5966915.8/62

In: 137.585+/-0.019 χ^2/NDF:17039013.8/52

Out: 125.149+/-0.018 χ^2/NDF:20423730.8/56

All: 130.958+/-0.013 χ^2/NDF: 37695822.7/10


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 41.2/29
Left Out: -0.000+/-0.000 χ²/NDF:29.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 49.1/32
Left In: 0.000+/-0.000 χ²/NDF:29.8/22
Left: -0.000+/-0.000 χ²/NDF: 59.8/46
Right: -0.000+/-0.000 χ²/NDF: 95.1/62
In: 0.000+/-0.000 χ²/NDF:71.2/52
Out: -0.000+/-0.000 χ²/NDF:80.3/56
All: -0.000+/-0.000 χ²/NDF: 156.1/109



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

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

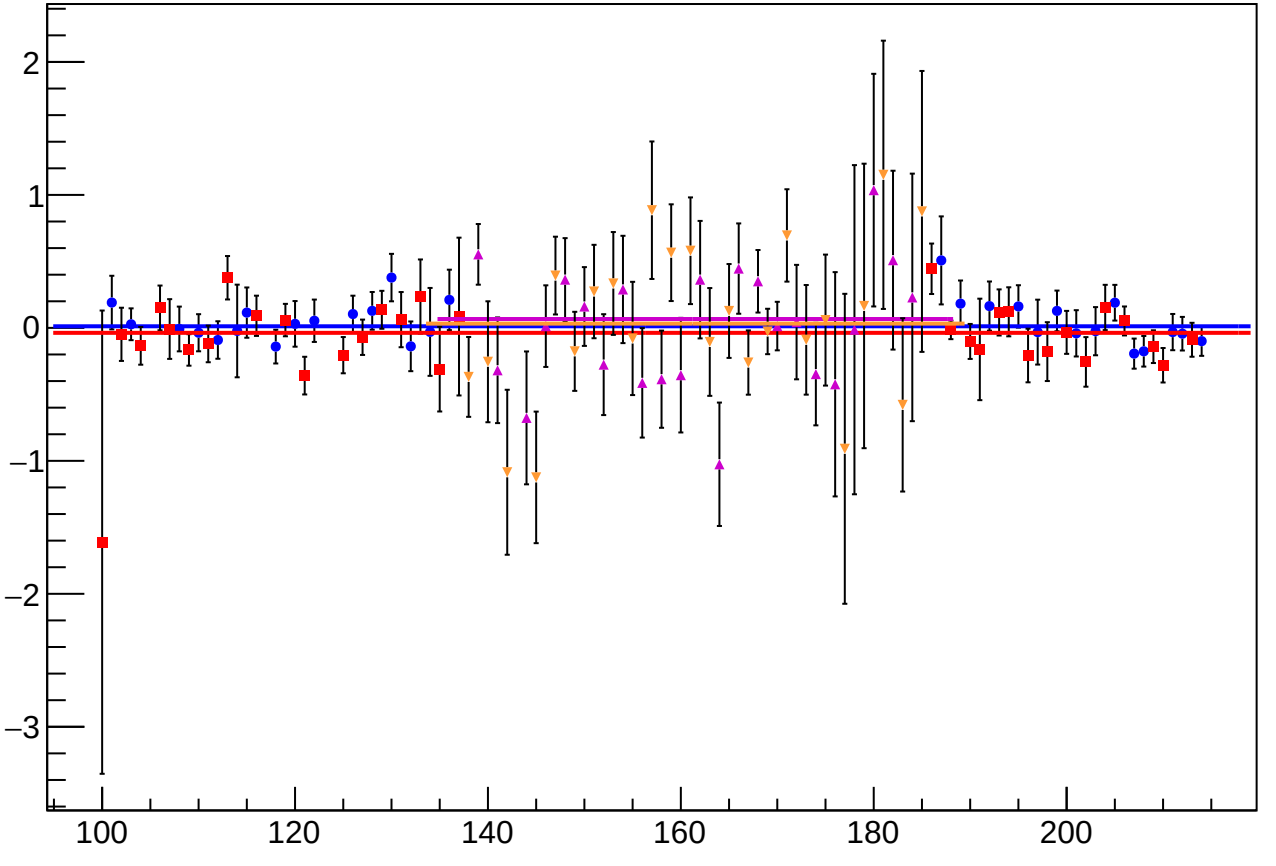
Right: 0.006+/-0.000 χ^2/NDF: 22884584.1/62

In: 0.005+/-0.000 χ^2/NDF:25168664.9/52

Out: 0.004+/-0.000 χ^2/NDF:28710808.5/56

All: 0.004+/-0.000 χ^2/NDF: 54268649.1/109

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

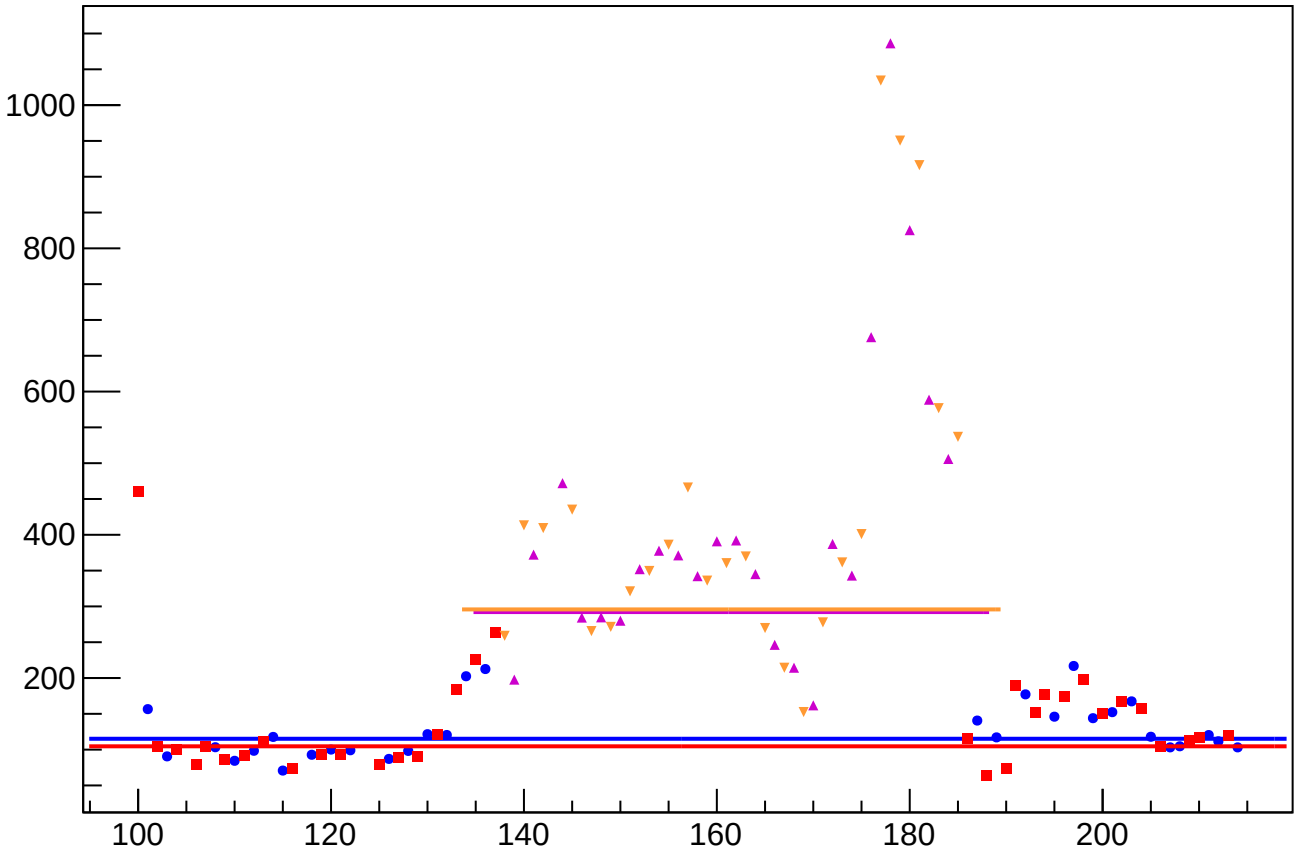
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.015+/-0.019 χ^2/NDF: 65.5/62

In: 0.019+/-0.027 χ^2/NDF:50.7/52

Out: -0.030+/-0.025 χ^2/NDF:69.8/56

All: -0.007+/-0.018 χ^2/NDF: 122.3/109



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

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

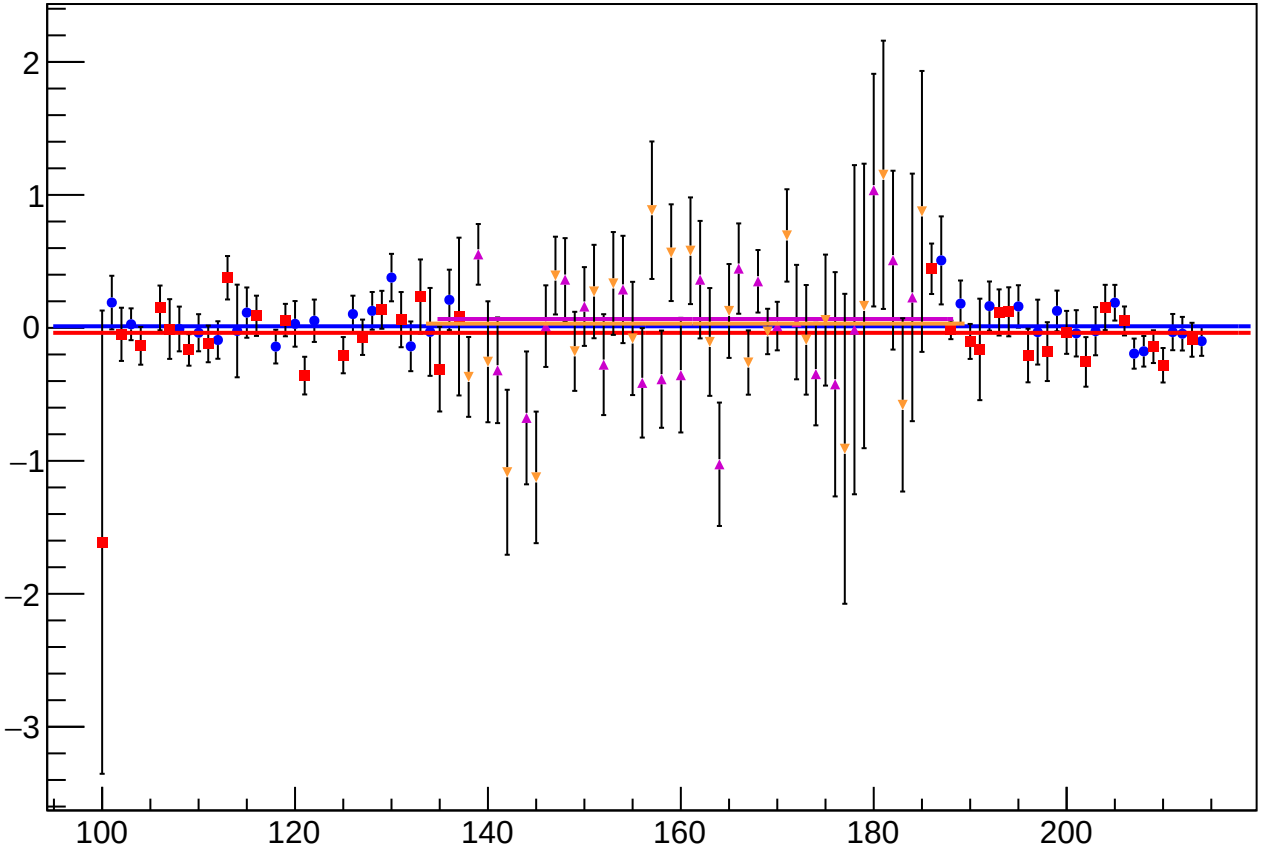
Right: 109.503+/-0.014 χ^2/NDF: 5967111.4/62

In: 137.585+/-0.019 χ^2/NDF:17039062.7/52

Out: 125.148+/-0.018 χ^2/NDF:20424219.8/56

All: 130.957+/-0.013 χ^2/NDF: 37696438.7/10

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

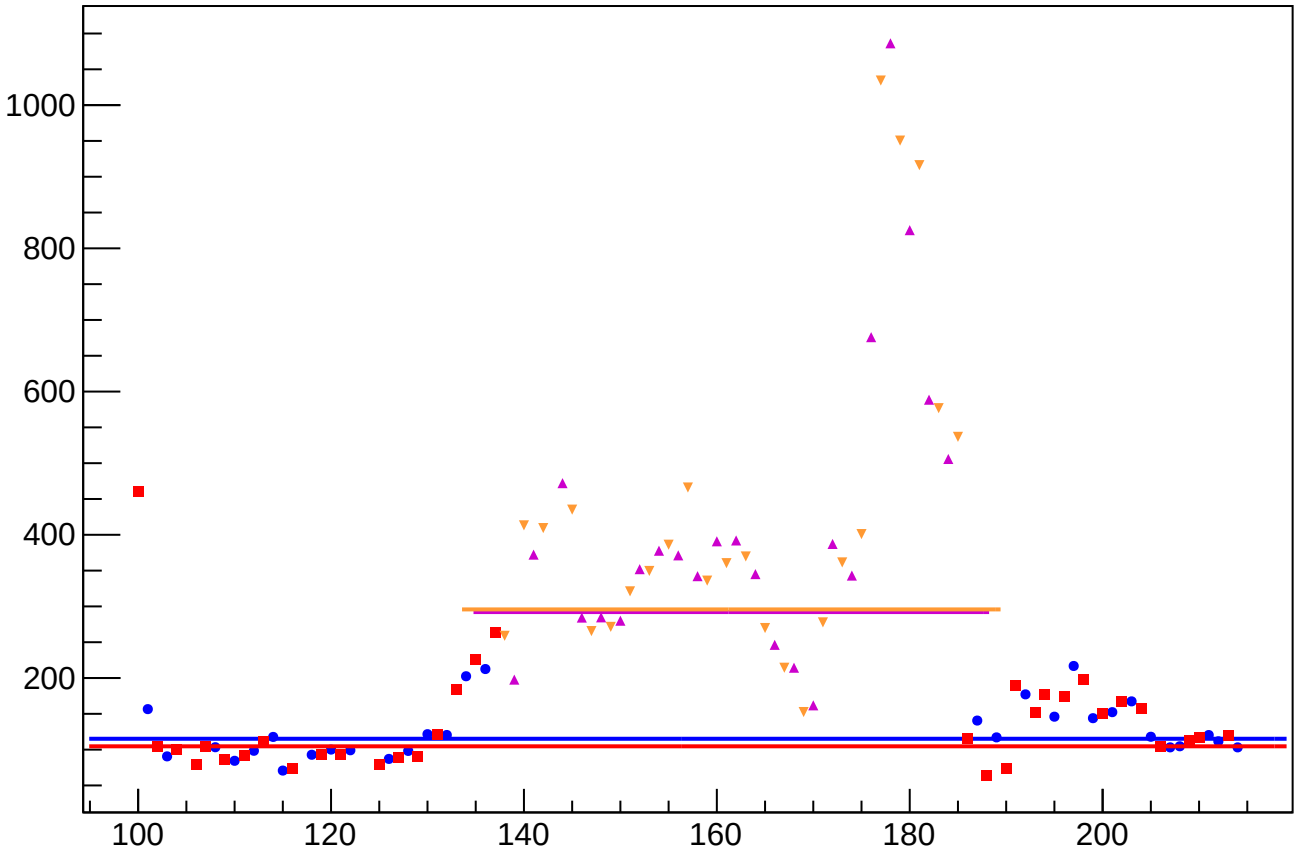
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.015+/-0.019 χ^2/NDF: 65.5/62

In: 0.019+/-0.027 χ^2/NDF:50.7/52

Out: -0.030+/-0.025 χ^2/NDF:69.8/56

All: -0.007+/-0.018 χ^2/NDF: 122.3/109



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

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

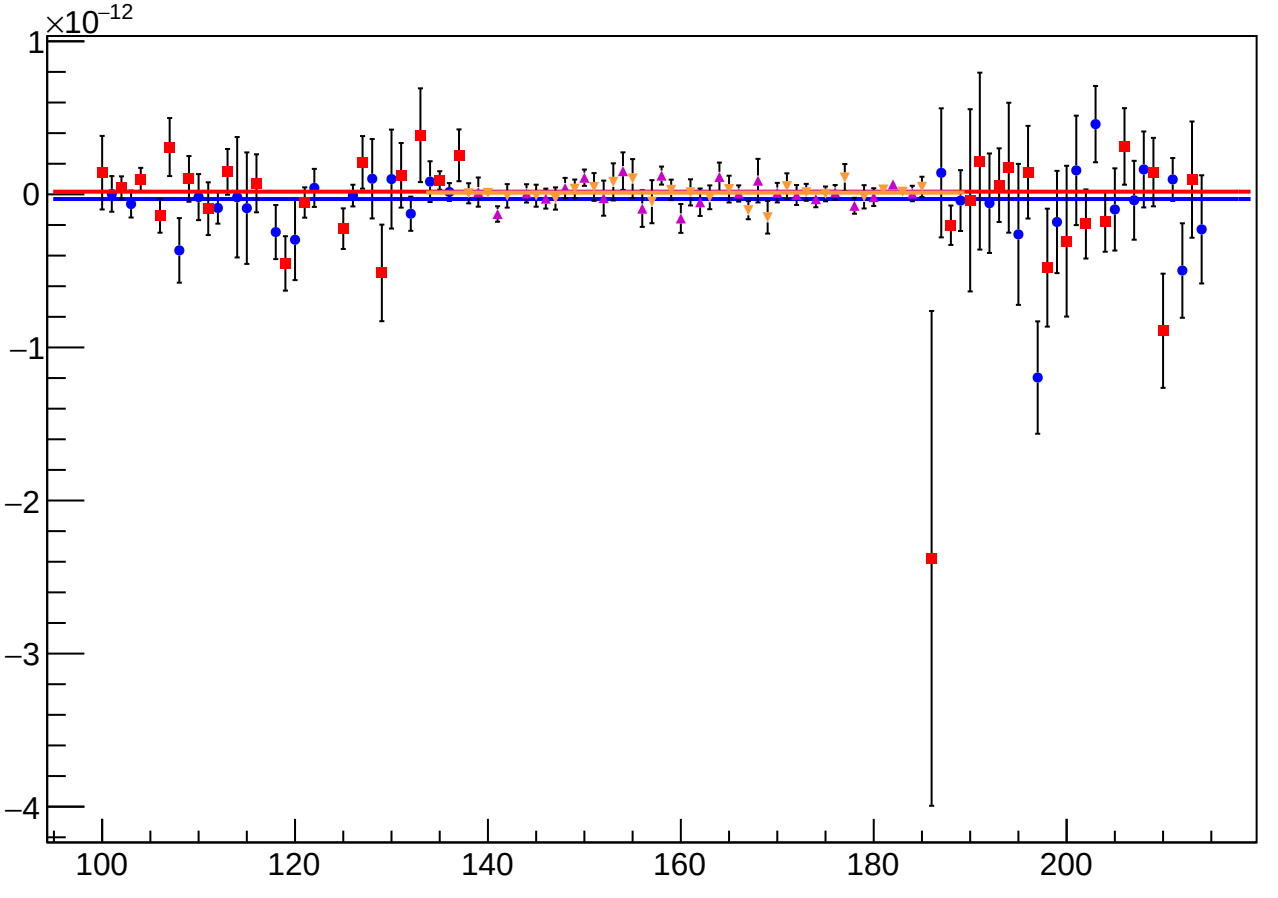
Right: 109.503+/-0.014 χ^2/NDF: 5967111.4/62

In: 137.585+/-0.019 χ^2/NDF:17039062.7/52

Out: 125.148+/-0.018 χ^2/NDF:20424219.8/56

All: 130.957+/-0.013 χ^2/NDF: 37696438.7/10

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

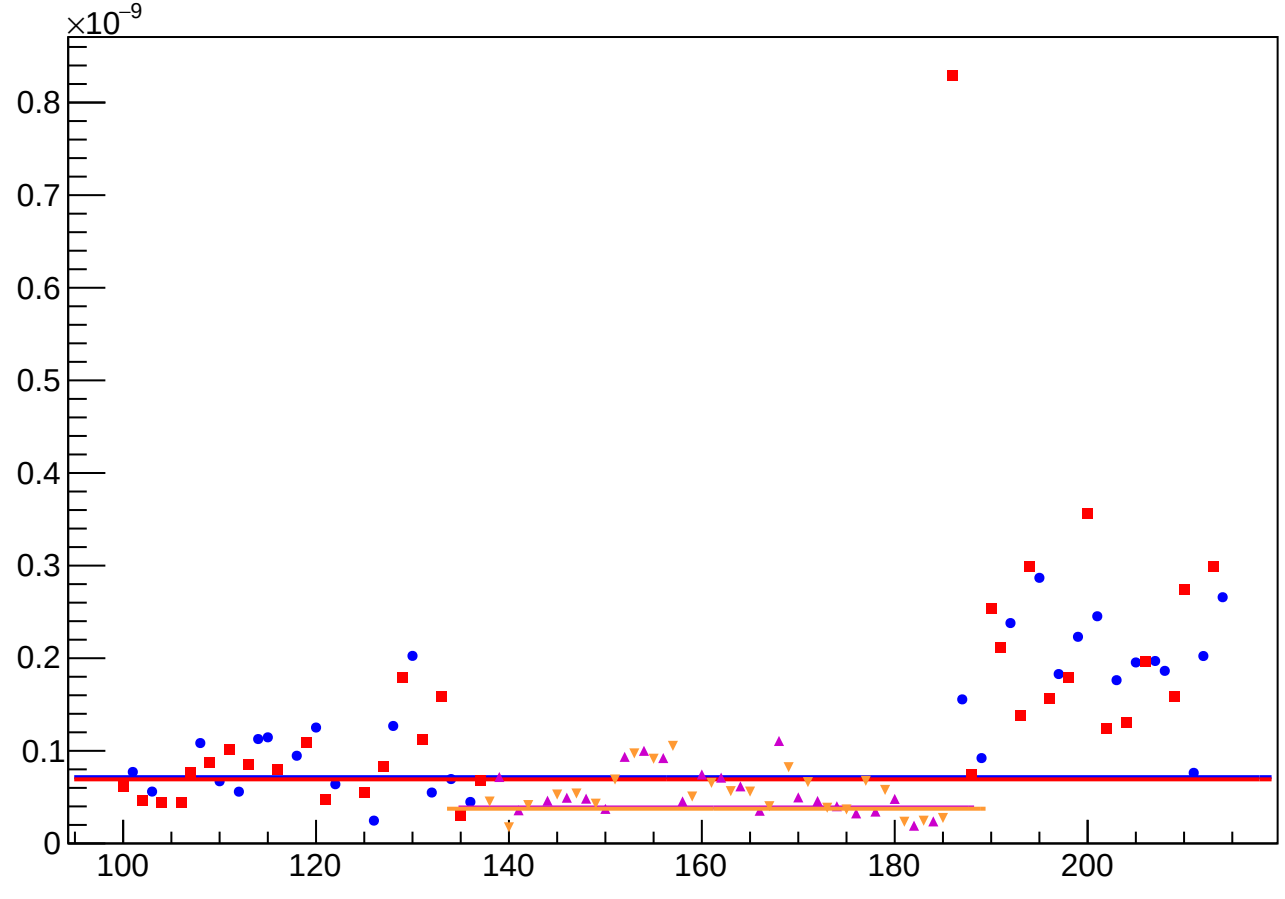
Right: -0.000+/-0.000 χ^2/NDF: 73.9/62

In: 0.000+/-0.000 χ^2/NDF:60.7/52

Out: 0.000+/-0.000 χ^2/NDF:55.4/56

All: 0.000+/-0.000 χ^2/NDF: 116.2/109

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

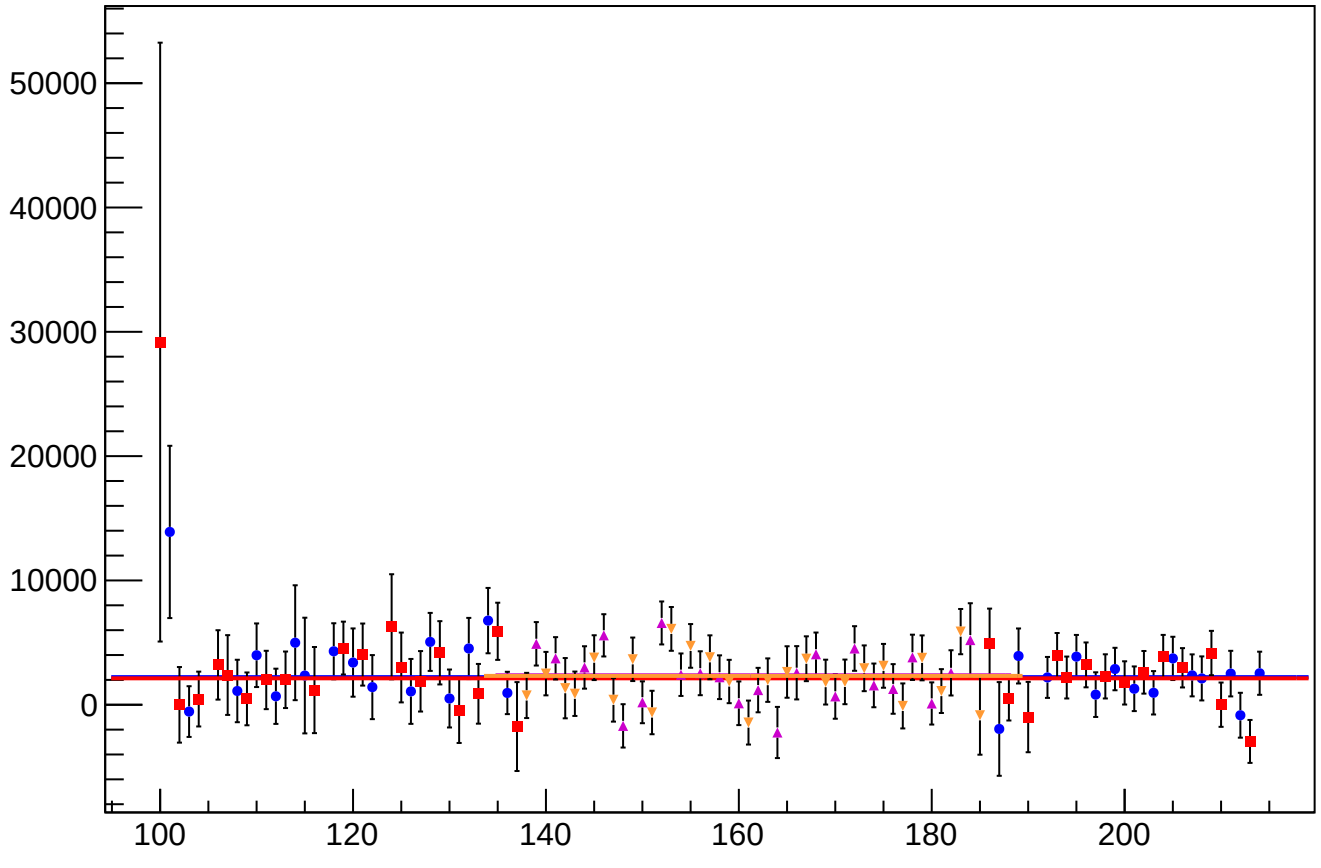
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 14121388.9/62

In: 0.000+/-0.000 χ^2/NDF:13876736.7/52

Out: 0.000+/-0.000 χ^2/NDF:14575218.7/56

All: 0.000+/-0.000 χ^2/NDF: 28468052.1/109



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

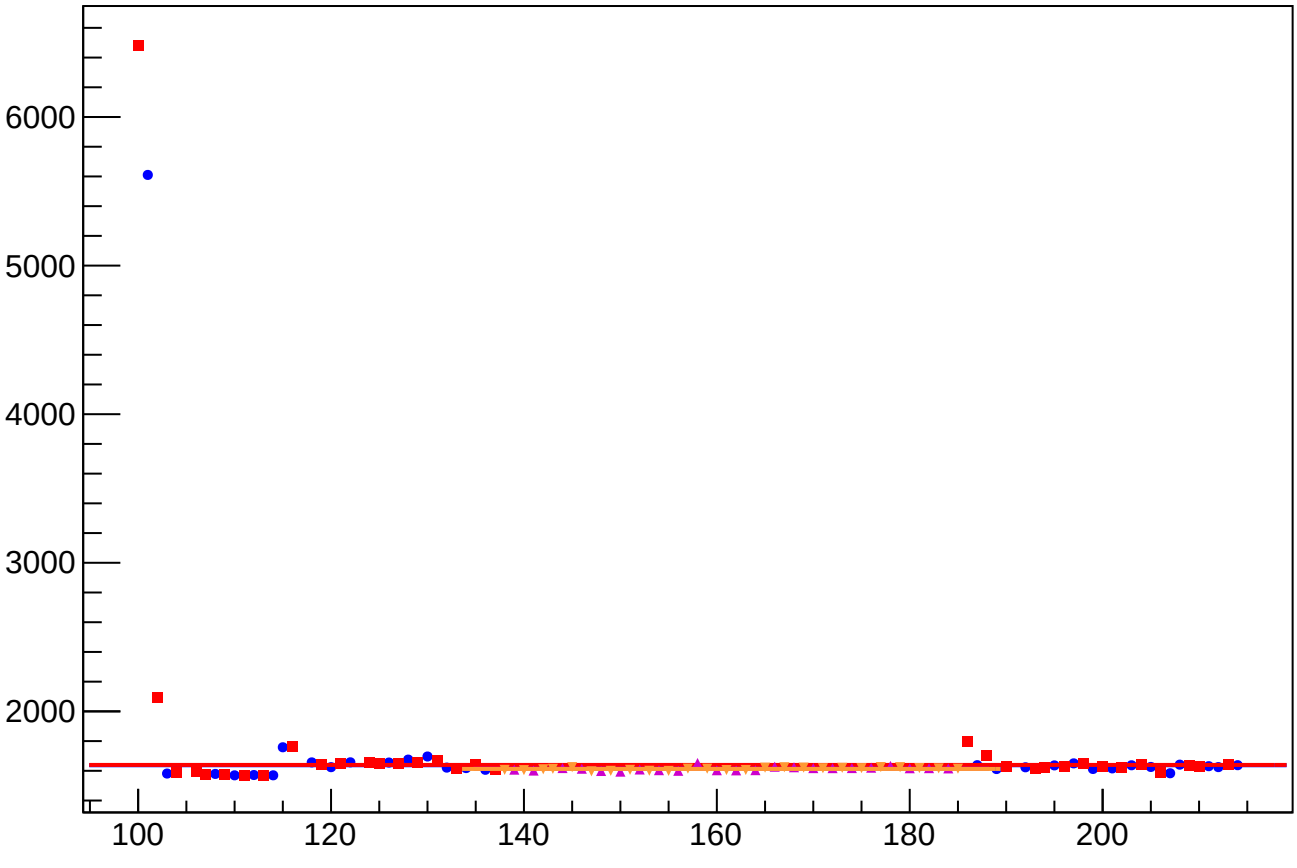
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2173.816+/-270.936 χ^2/NDF: 51.1/62

In: 2298.517+/-269.589 χ^2/NDF:55.7/52

Out: 2227.290+/-263.891 χ^2/NDF:56.7/57

All: 2262.143+/-188.582 χ^2/NDF: 112.5/110



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

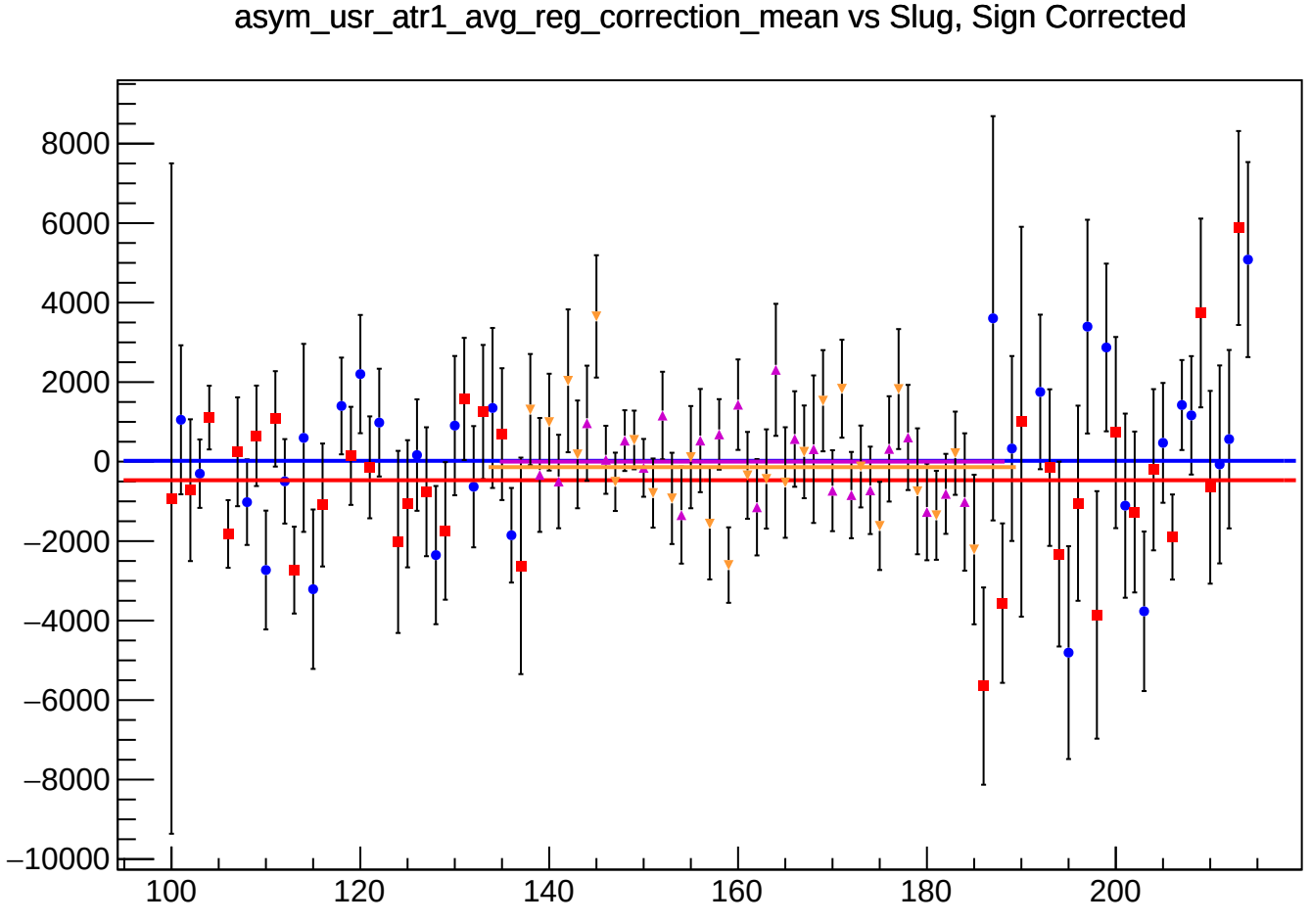
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

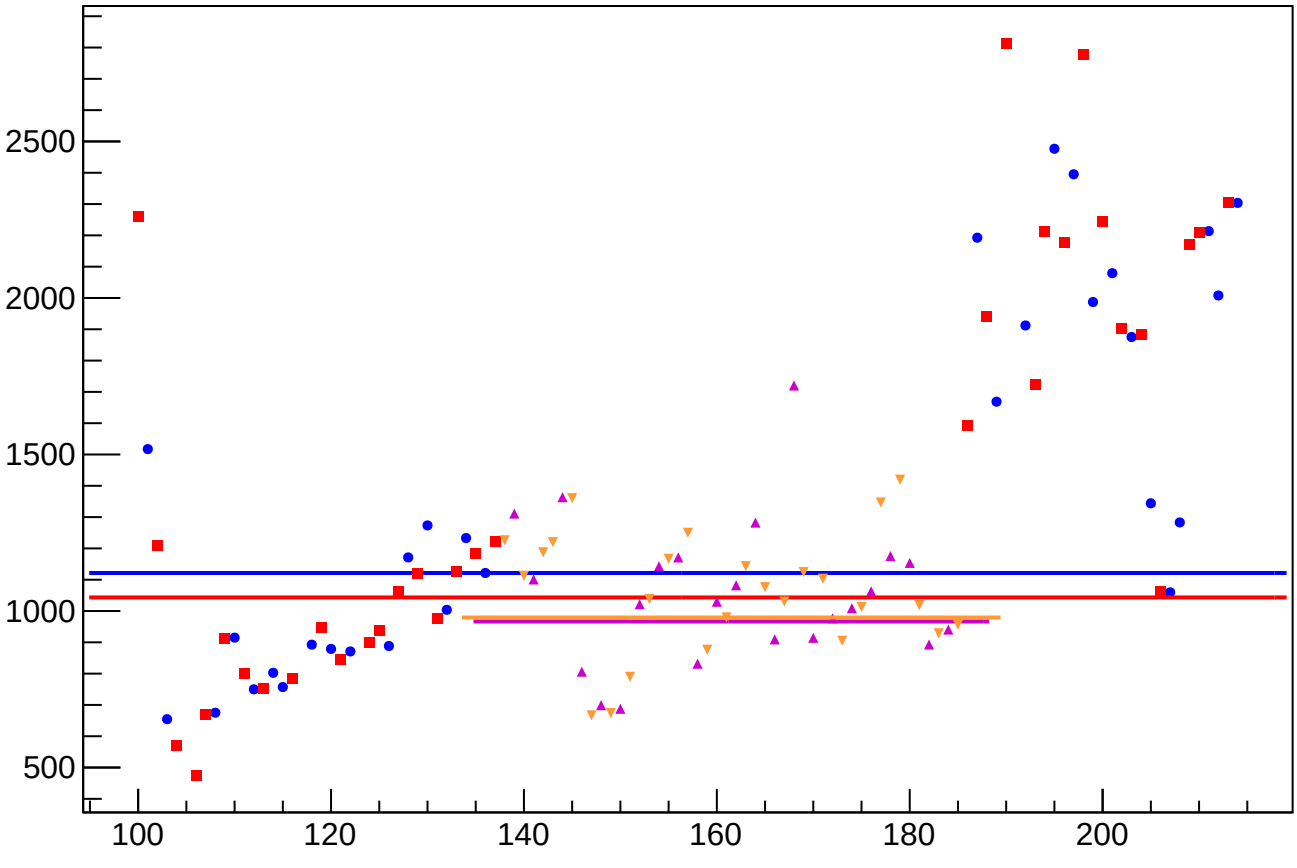
Right: 1638.516+/-0.192 χ^2/NDF: 820356.6/62

In: 1625.310+/-0.191 χ^2/NDF:677733.5/52

Out: 1625.596+/-0.187 χ^2/NDF:155173.2/57

All: 1625.456+/-0.133 χ^2/NDF: 832907.8/110


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: 19.962+/-287.477 χ²/NDF: 35.1/29
Left Out: -139.022+/-229.126 χ²/NDF:30.2/24
Right Out: -468.559+/-272.964 χ²/NDF: 39.8/32
Left In: -0.092+/-231.903 χ²/NDF:12.9/22
Left: -70.394+/-162.990 χ²/NDF: 43.2/47
Right: -236.940+/-197.946 χ²/NDF: 76.4/62
In: 7.813+/-180.496 χ²/NDF:48.0/52
Out: -275.236+/-175.495 χ²/NDF:70.8/57
All: -137.687+/-125.824 χ²/NDF: 120.0/110



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

Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

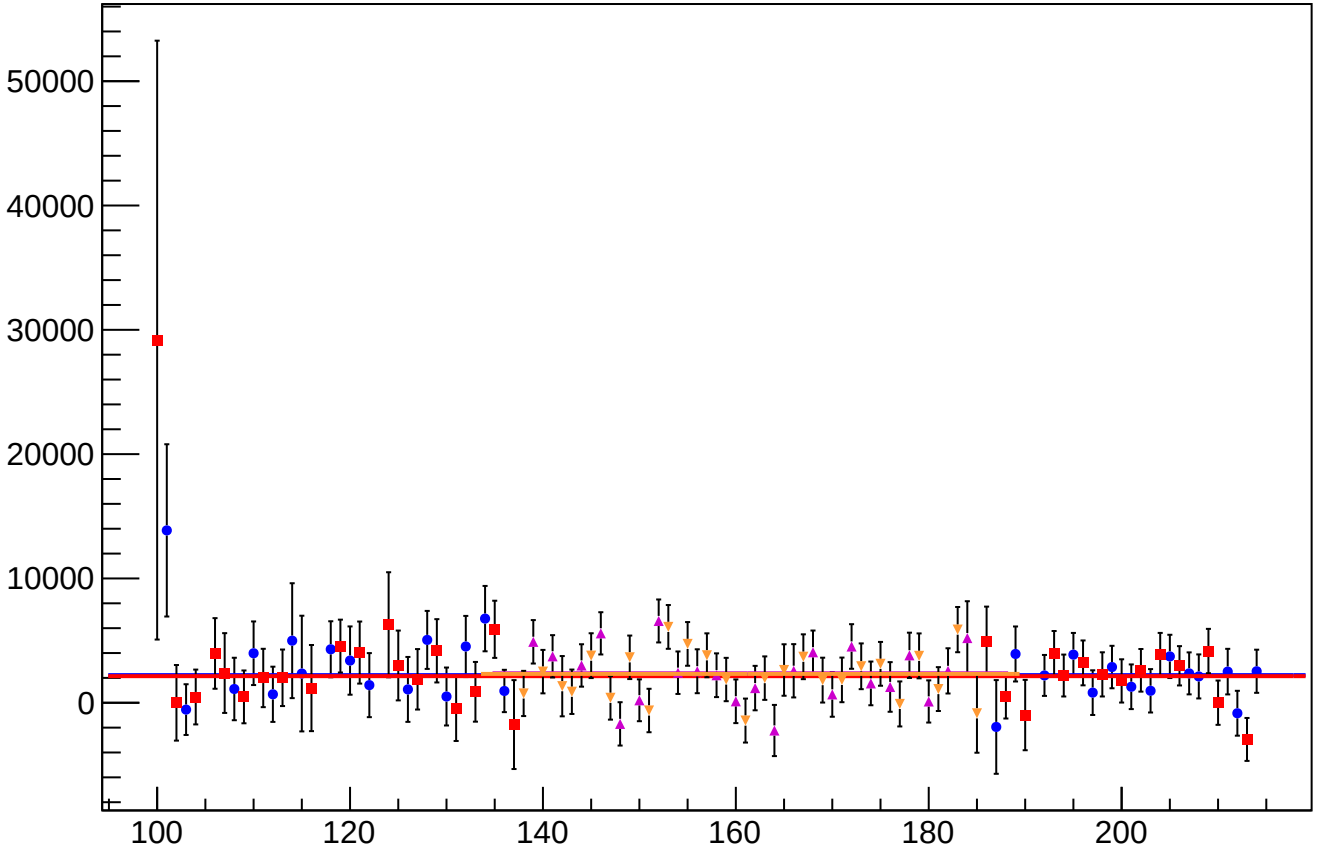
Right: 1080.389+/-0.140 χ^2/NDF: 12864889.1/62

In: 1027.589+/-0.128 χ^2/NDF:7330481.8/52

Out: 1005.789+/-0.124 χ^2/NDF:9106587.9/57

All: 1016.383+/-0.089 χ^2/NDF: 16452067.8/1

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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

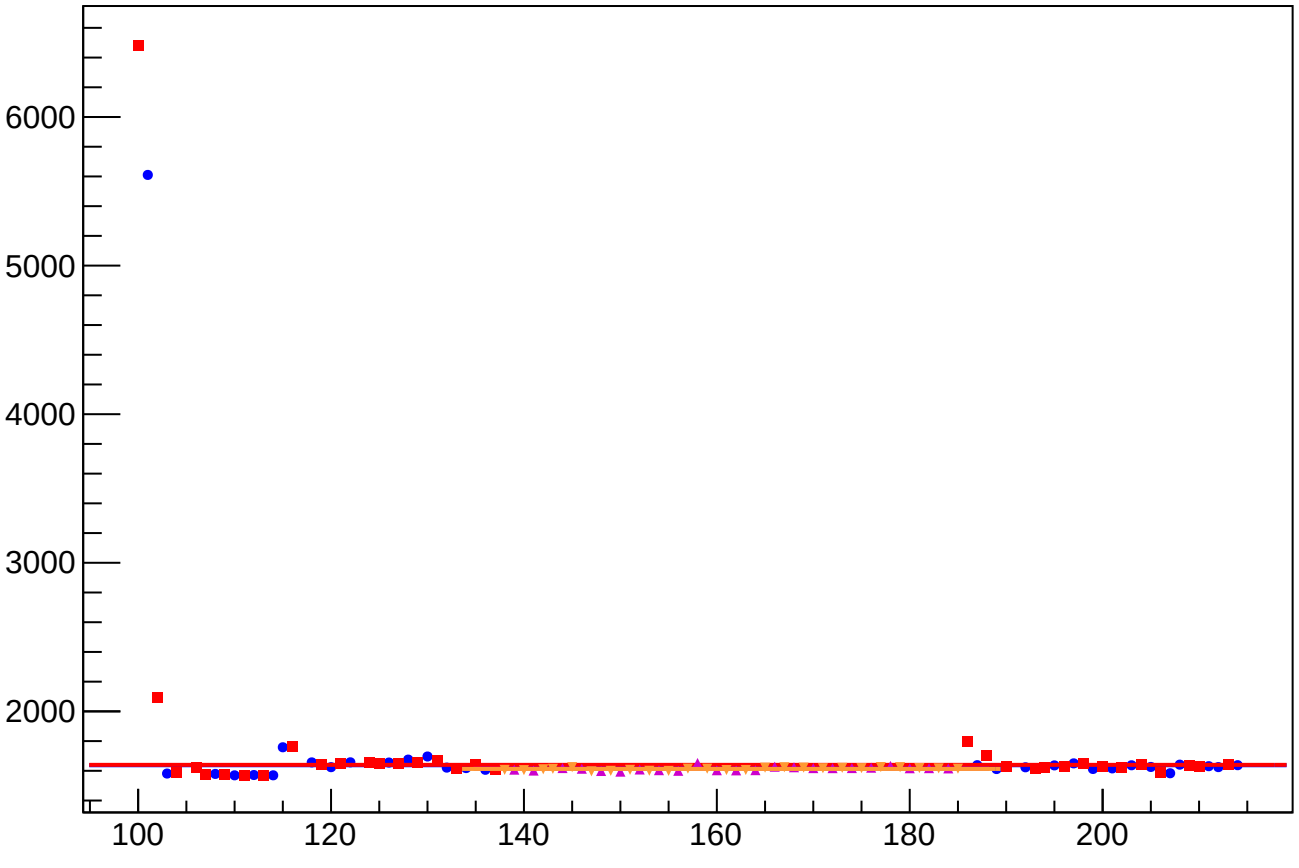
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2180.365+/-270.980 χ^2/NDF: 51.3/62

In: 2298.439+/-269.589 χ^2/NDF:55.7/52

Out: 2233.608+/-263.932 χ^2/NDF:57.0/57

All: 2265.336+/-188.596 χ^2/NDF: 112.7/110



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

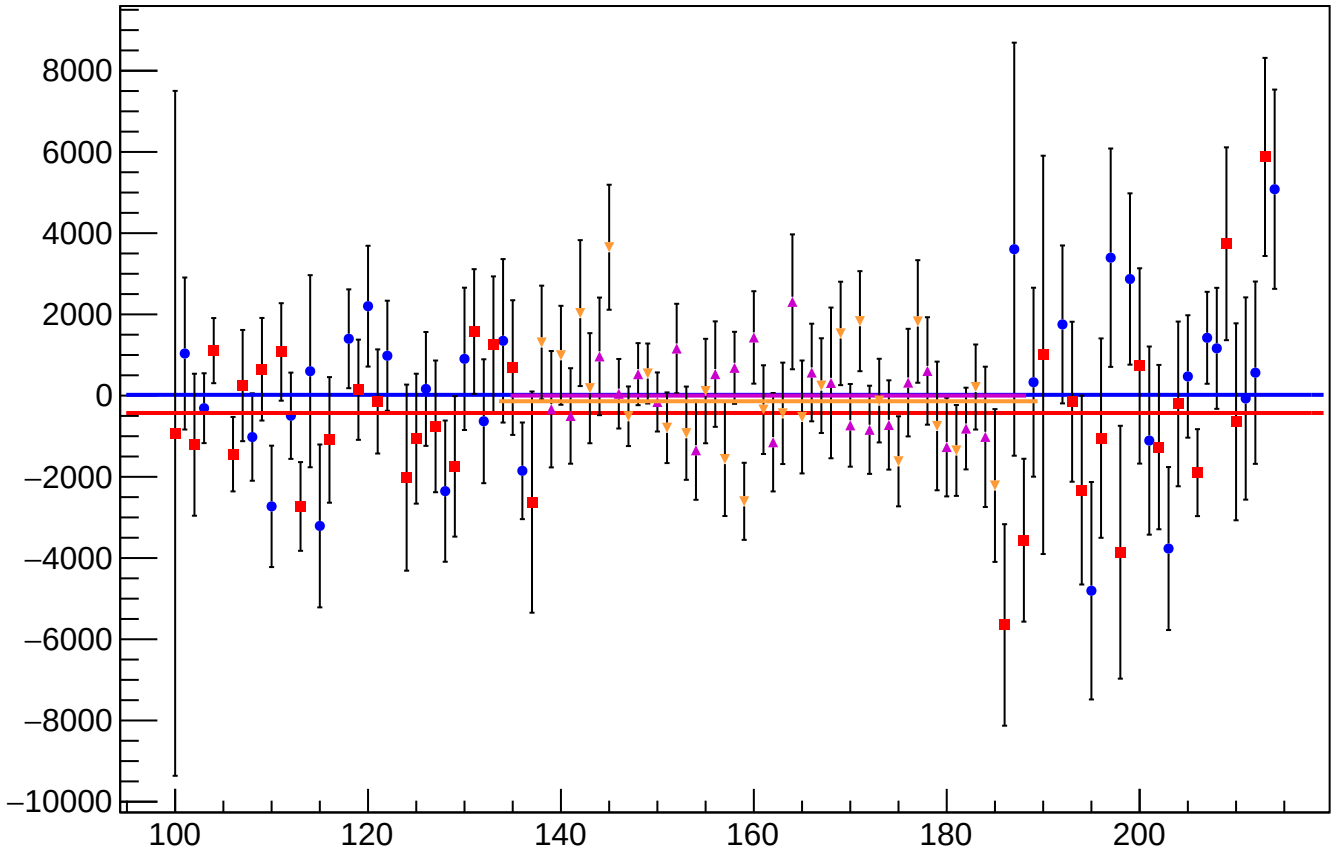
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1638.772+/-0.192 χ^2/NDF: 819917.4/62

In: 1625.310+/-0.191 χ^2/NDF:677733.0/52

Out: 1625.835+/-0.187 χ^2/NDF:154913.1/57

All: 1625.578+/-0.133 χ^2/NDF: 832650.0/110



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

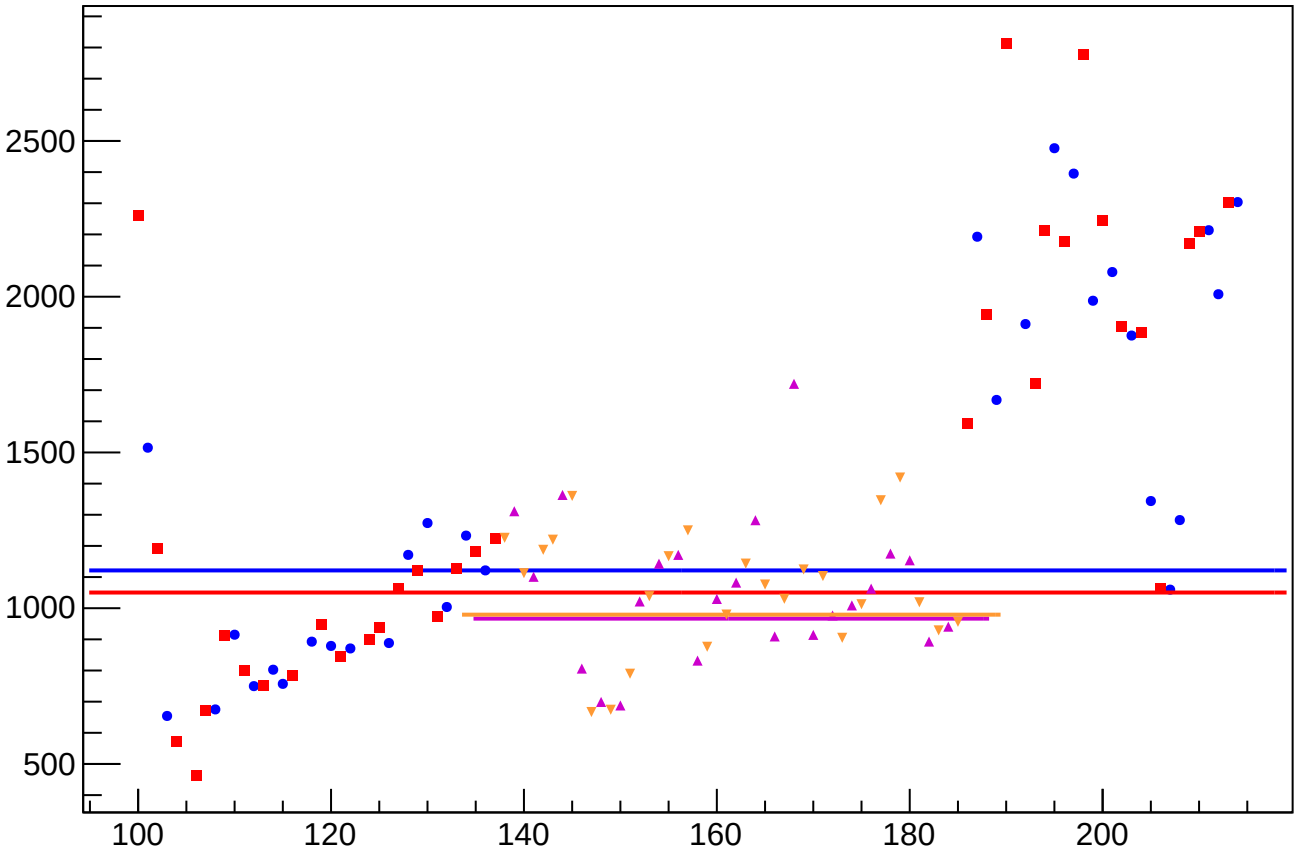
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -214.562+/-198.633 χ^2/NDF: 74.9/62

In: 7.442+/-180.490 χ^2/NDF:48.0/52

Out: -257.562+/-175.979 χ^2/NDF:69.4/57

All: -128.413+/-126.000 χ^2/NDF: 118.4/110



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

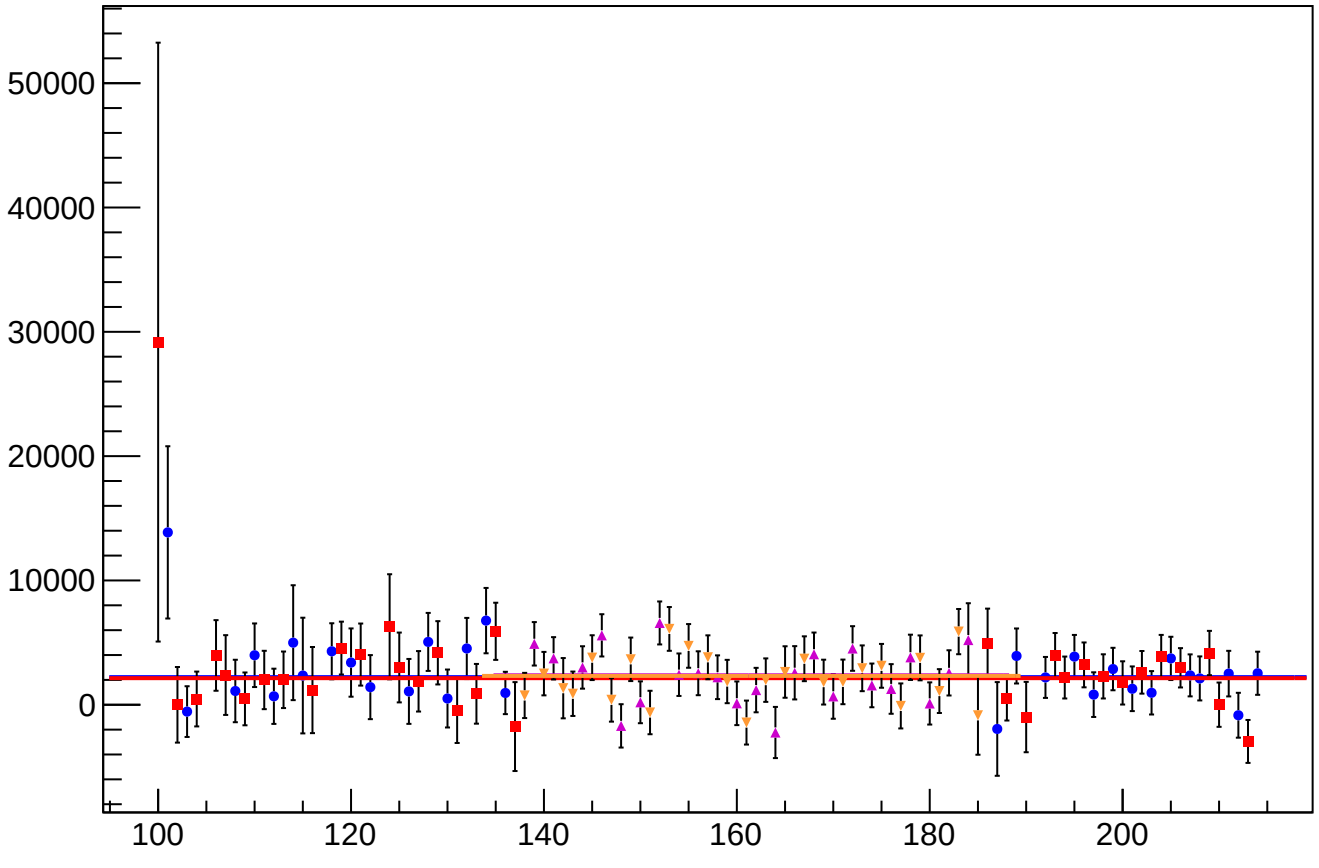
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1084.229+/-0.140 χ^2/NDF: 12753587.8/62

In: 1027.555+/-0.128 χ^2/NDF:7330751.2/52

Out: 1008.426+/-0.124 χ^2/NDF:9022554.3/57

All: 1017.749+/-0.089 χ^2/NDF: 16364822.6/1



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

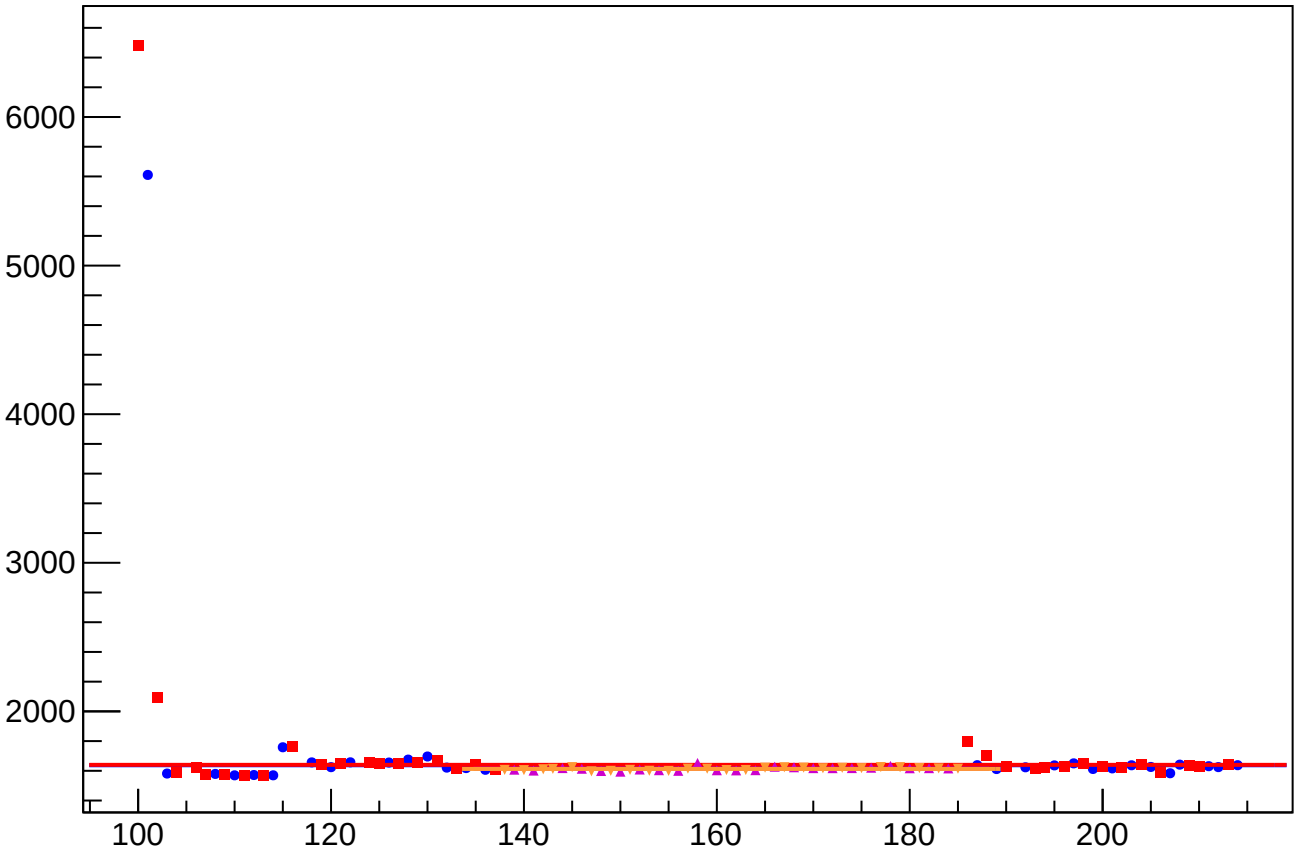
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2180.365+/-270.980 χ^2/NDF: 51.3/62

In: 2298.439+/-269.589 χ^2/NDF:55.7/52

Out: 2233.608+/-263.932 χ^2/NDF:57.0/57

All: 2265.336+/-188.596 χ^2/NDF: 112.7/110



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

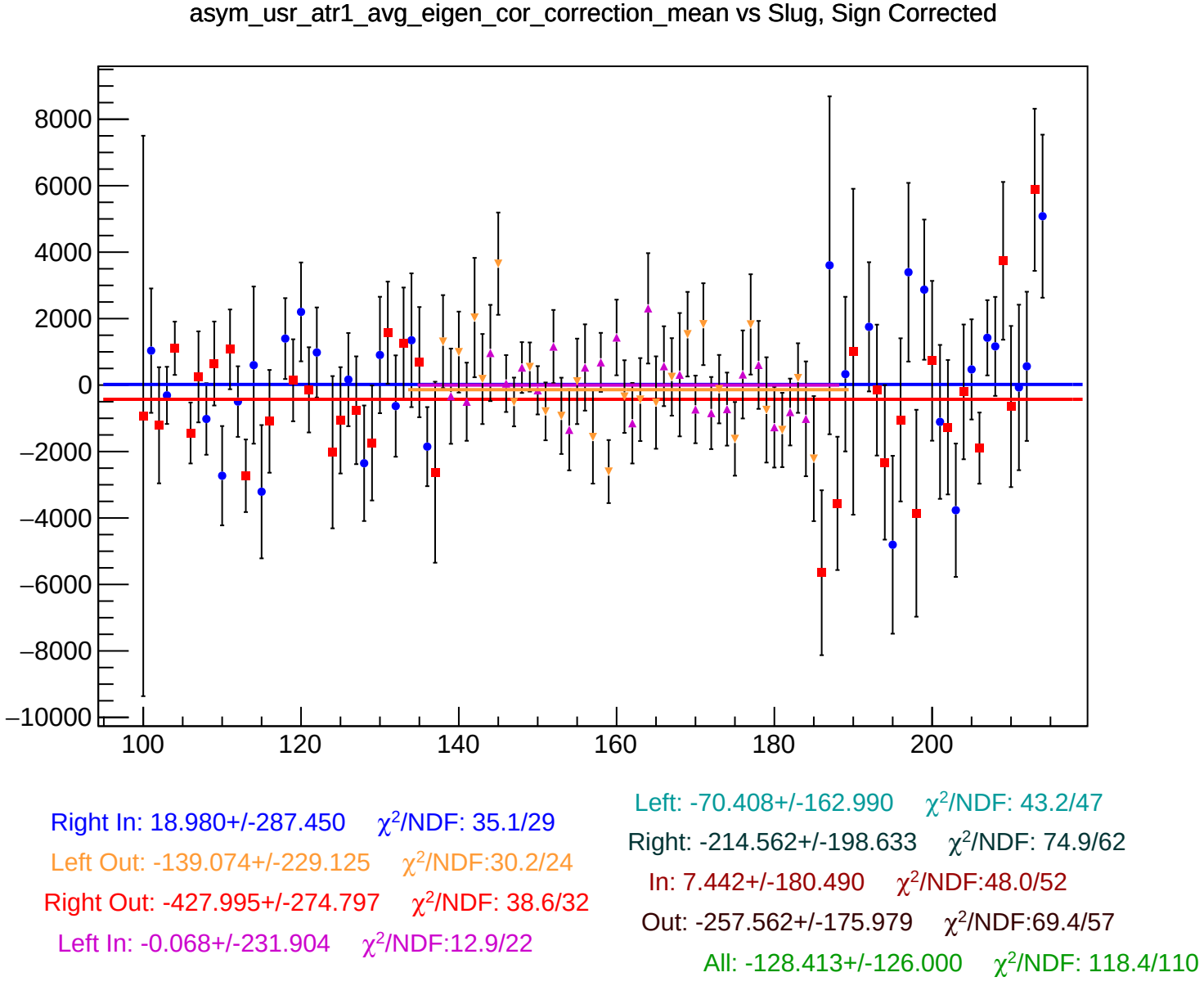
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

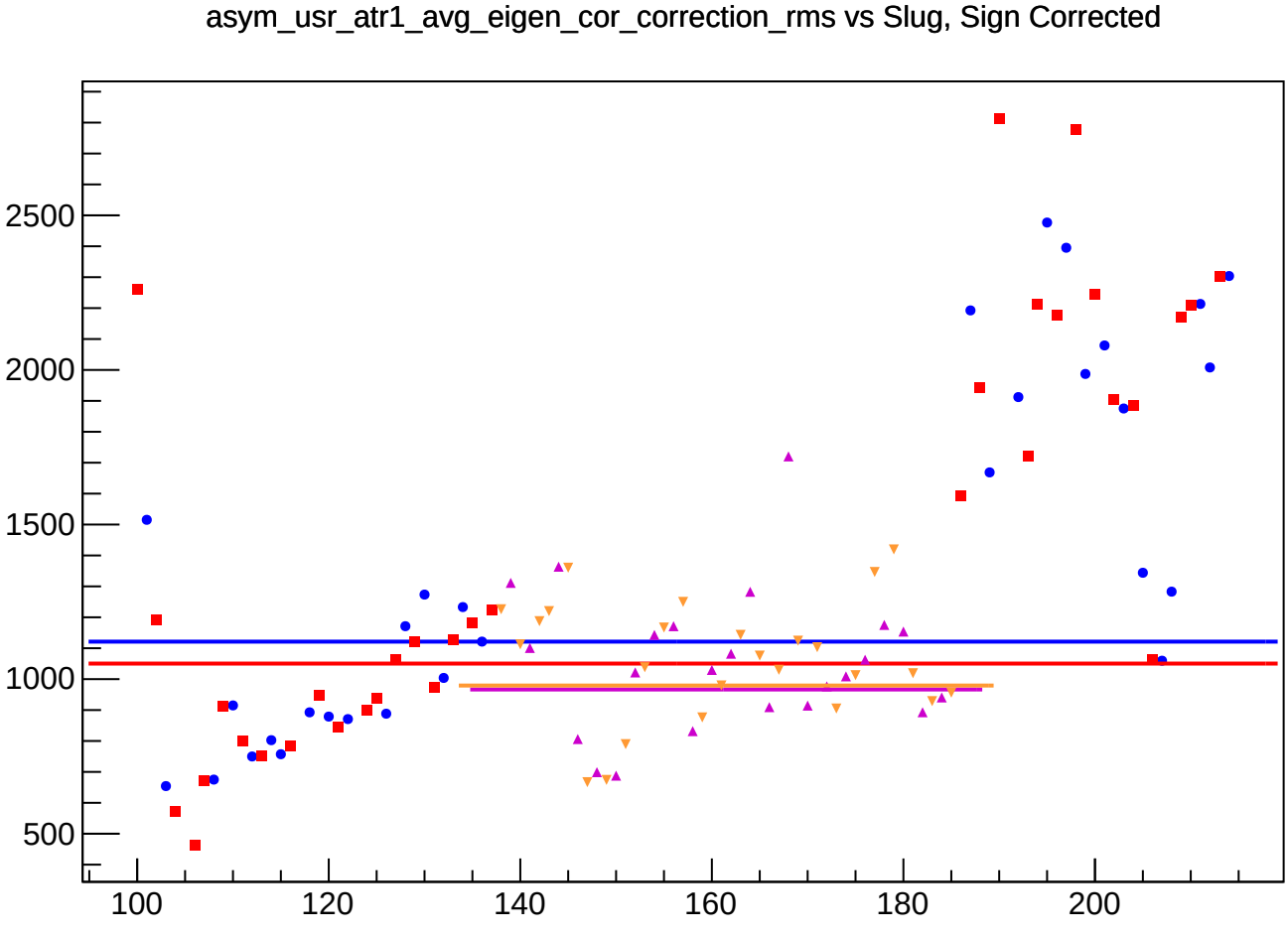
Right: 1638.772+/-0.192 χ^2/NDF: 819917.4/62

In: 1625.310+/-0.191 χ^2/NDF:677733.0/52

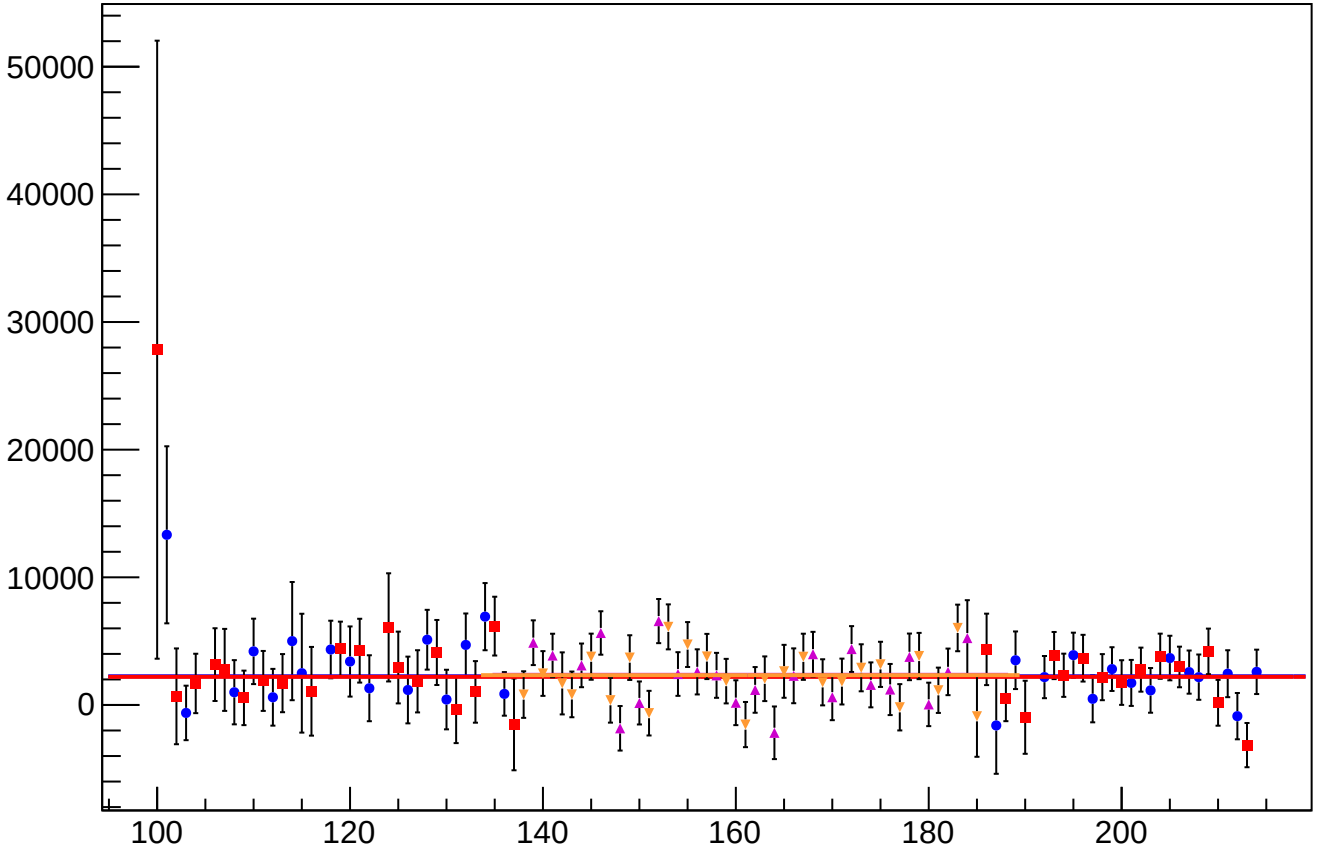
Out: 1625.835+/-0.187 χ^2/NDF:154913.1/57

All: 1625.578+/-0.133 χ^2/NDF: 832650.0/110


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: 18.980+/-287.450 χ²/NDF: 35.1/29
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -427.995+/-274.797 χ²/NDF: 38.6/32
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -214.562+/-198.633 χ²/NDF: 74.9/62
In: 7.442+/-180.490 χ²/NDF:48.0/52
Out: -257.562+/-175.979 χ²/NDF:69.4/57
All: -128.413+/-126.000 χ²/NDF: 118.4/110


asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1121.314+/-0.203 χ²/NDF: 5376924.5/29
Left Out: 979.288+/-0.162 χ²/NDF:1630731.2/24
Right Out: 1050.338+/-0.194 χ²/NDF: 7312954.2/32
Left In: 966.531+/-0.164 χ²/NDF:1602562.1/22
Left: 972.987+/-0.115 χ²/NDF: 3236355.9/47
Right: 1084.229+/-0.140 χ²/NDF: 12753587.8/62
In: 1027.555+/-0.128 χ²/NDF:7330751.2/52
Out: 1008.426+/-0.124 χ²/NDF:9022554.3/57
All: 1017.749+/-0.089 χ²/NDF: 16364822.6/1

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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

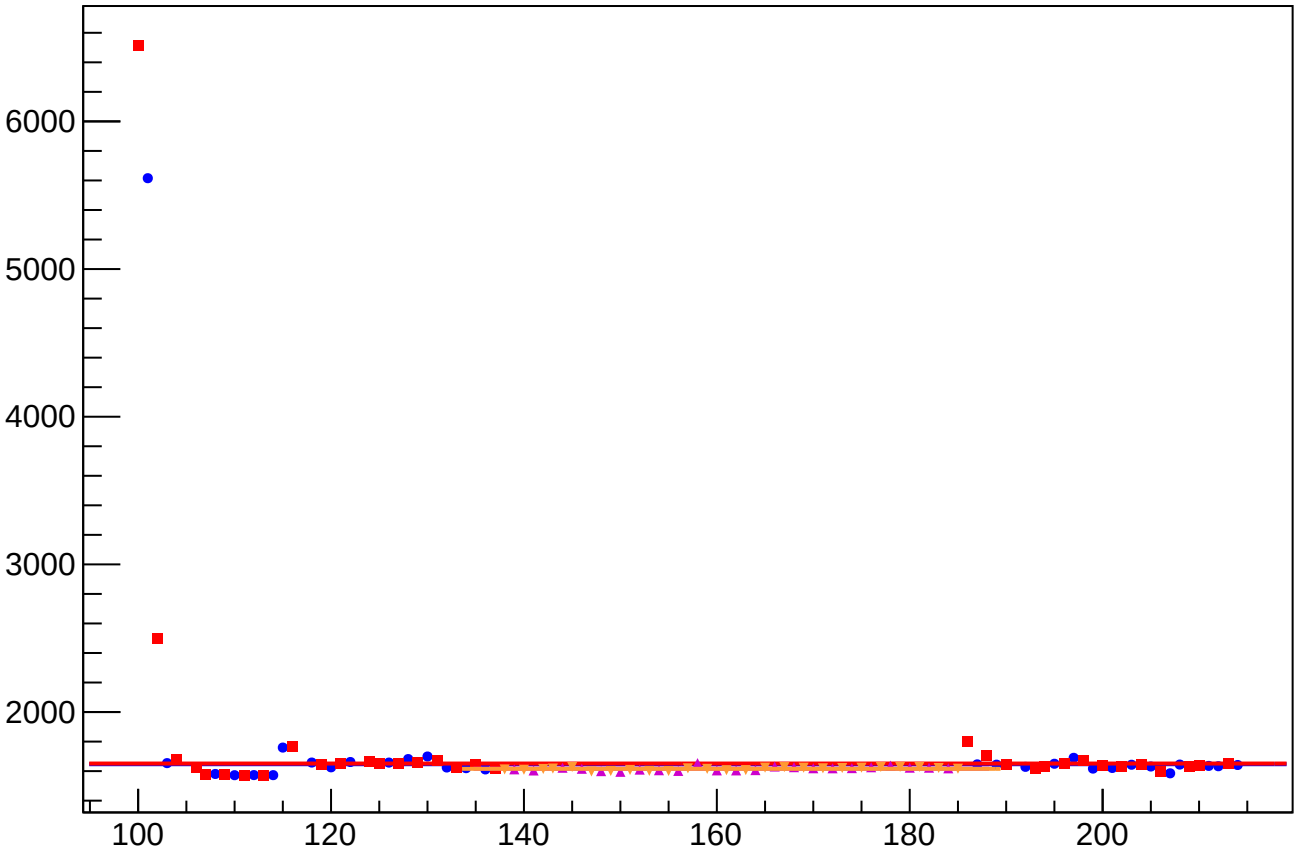
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2224.717+/-272.939 χ^2/NDF: 50.1/62

In: 2304.892+/-270.566 χ^2/NDF:55.9/52

Out: 2272.171+/-265.286 χ^2/NDF:56.6/57

All: 2288.209+/-189.425 χ^2/NDF: 112.5/110



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

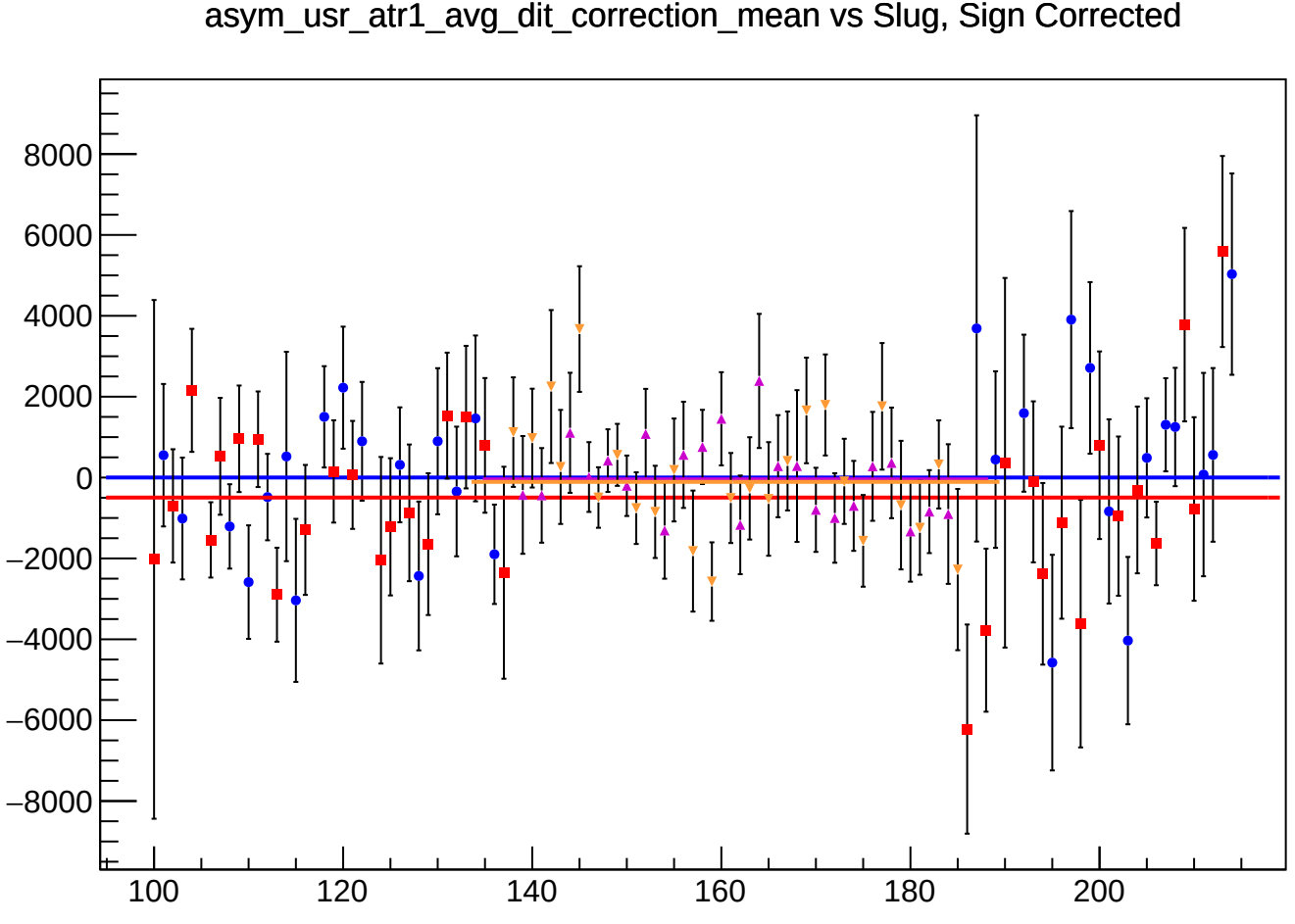
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1649.062+/-0.193 χ^2/NDF: 875915.8/62

In: 1631.113+/-0.191 χ^2/NDF:679052.8/52

Out: 1632.691+/-0.188 χ^2/NDF:216060.7/57

All: 1631.918+/-0.134 χ^2/NDF: 895148.2/110



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

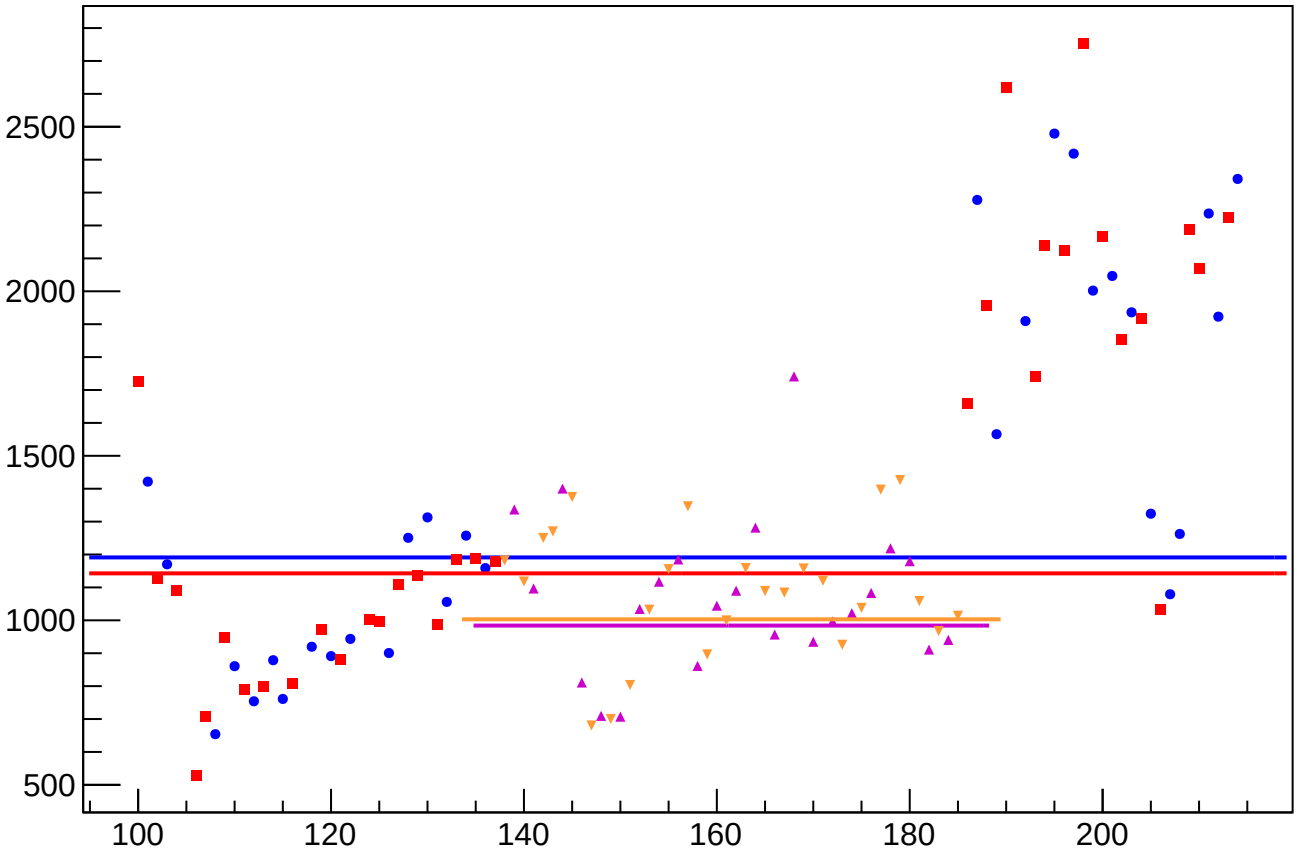
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -256.532+/-208.496 χ^2/NDF: 74.8/62

In: -27.015+/-185.575 χ^2/NDF:47.7/52

Out: -260.265+/-182.038 χ^2/NDF:68.6/57

All: -145.884+/-129.953 χ^2/NDF: 117.1/110



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

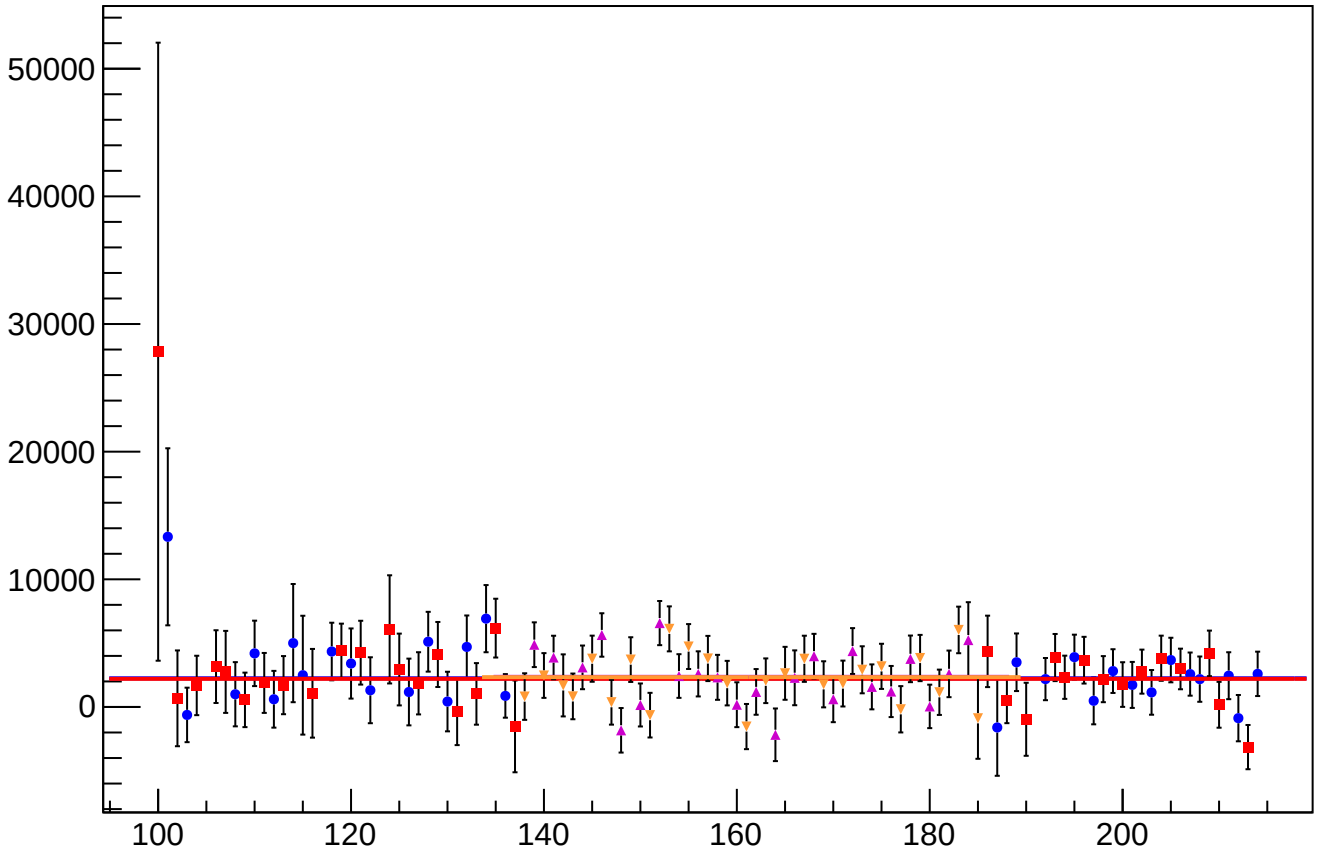
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1165.987+/-0.147 χ^2/NDF: 10568347.7/62

In: 1062.810+/-0.131 χ^2/NDF:6799699.7/52

Out: 1058.457+/-0.129 χ^2/NDF:7768381.9/57

All: 1060.592+/-0.092 χ^2/NDF: 14568642.3/1



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

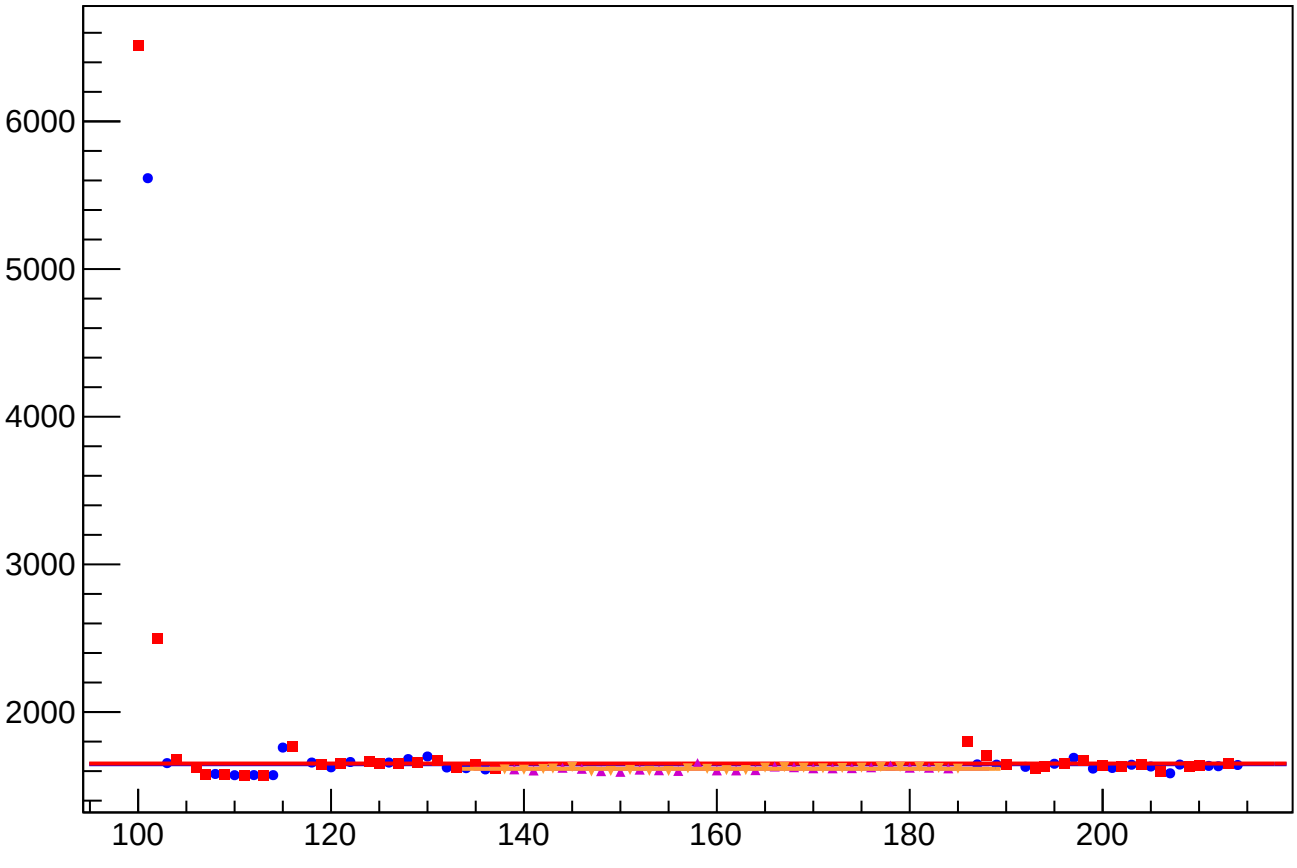
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2224.717+/-272.939 χ^2/NDF: 50.1/62

In: 2304.893+/-270.566 χ^2/NDF:55.9/52

Out: 2272.170+/-265.286 χ^2/NDF:56.6/57

All: 2288.209+/-189.425 χ^2/NDF: 112.5/110



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

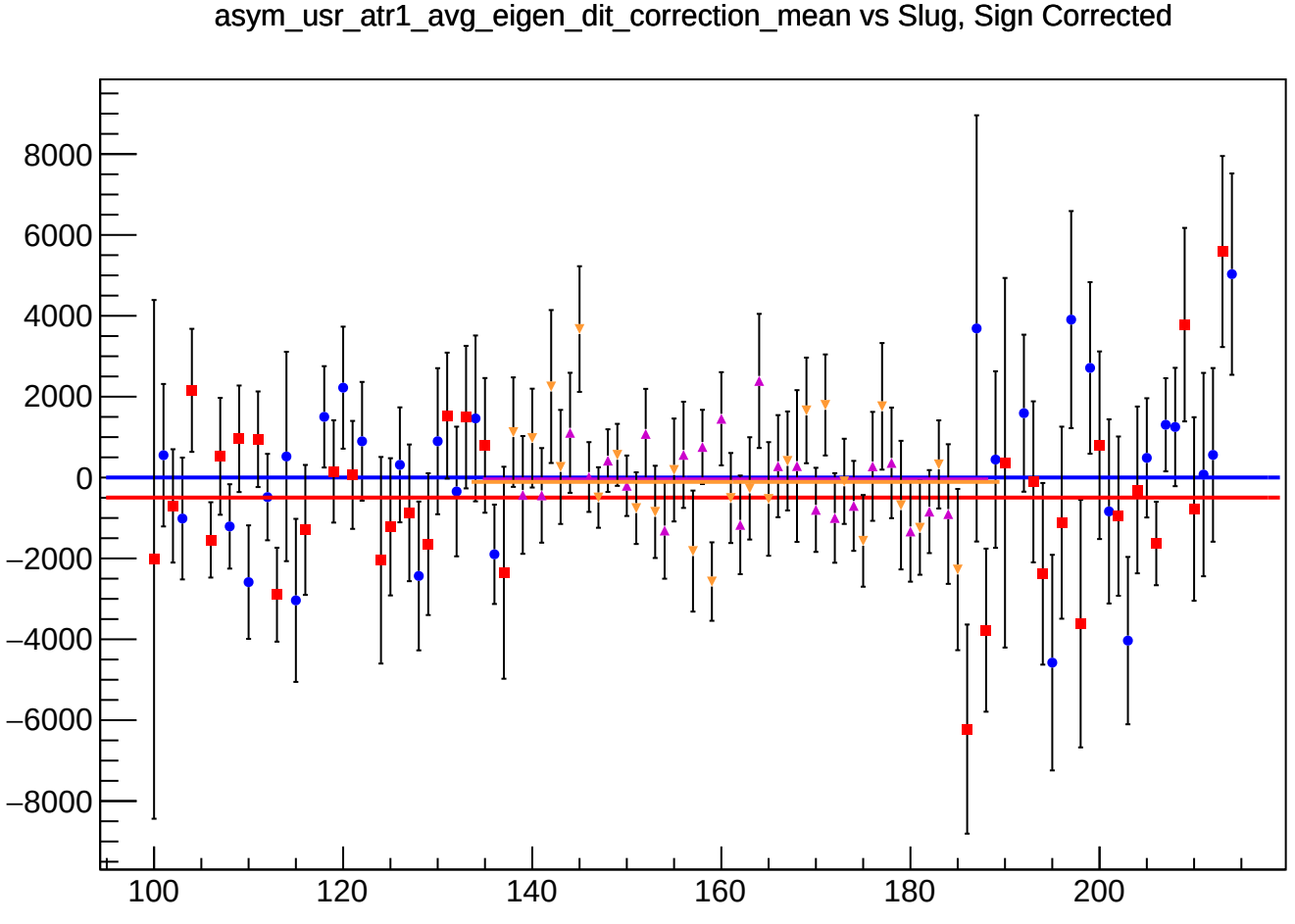
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1649.062+/-0.193 χ^2/NDF: 875915.6/62

In: 1631.113+/-0.191 χ^2/NDF:679052.8/52

Out: 1632.691+/-0.188 χ^2/NDF:216060.5/57

All: 1631.918+/-0.134 χ^2/NDF: 895148.0/110



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

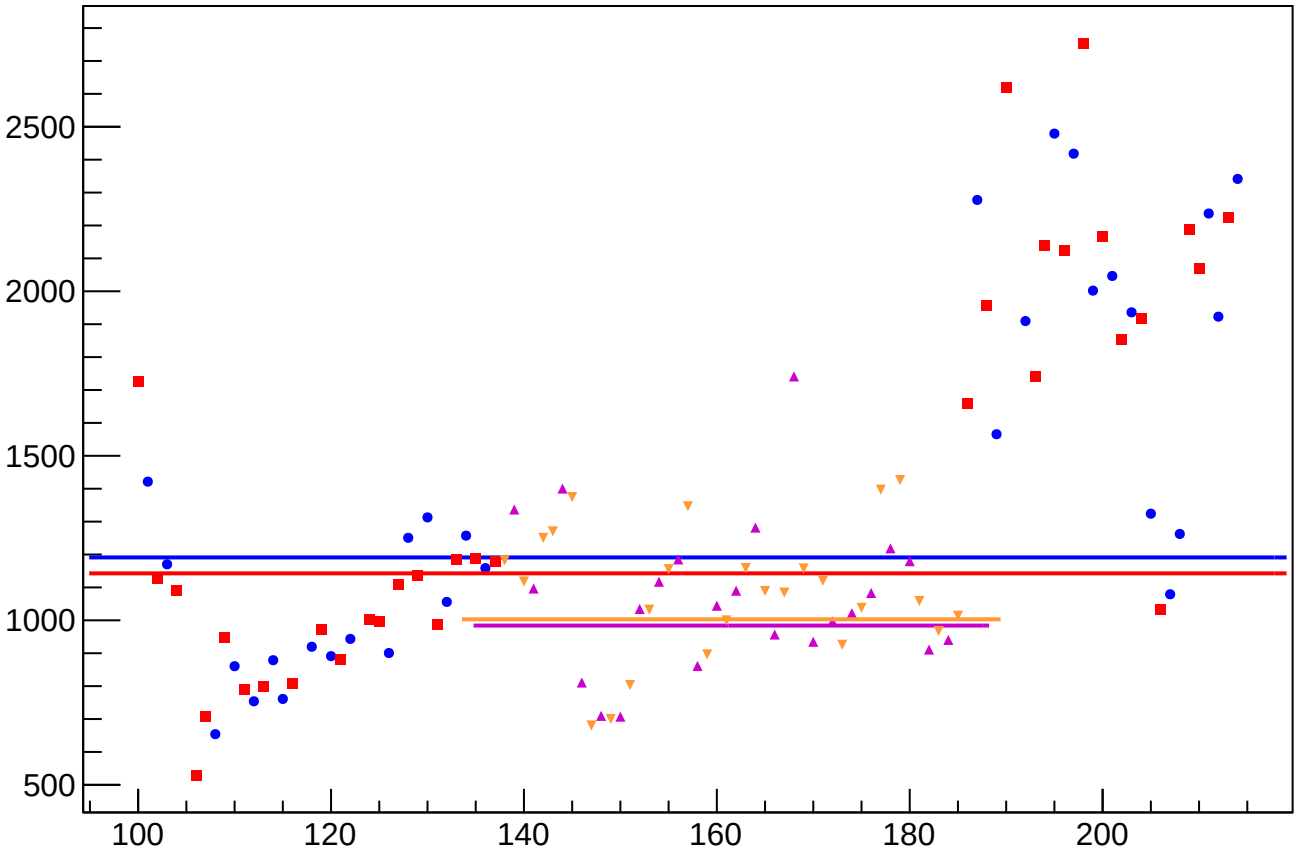
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -256.531+/-208.495 χ^2/NDF: 74.8/62

In: -27.015+/-185.575 χ^2/NDF:47.7/52

Out: -260.266+/-182.038 χ^2/NDF:68.6/57

All: -145.885+/-129.953 χ^2/NDF: 117.1/110



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

Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

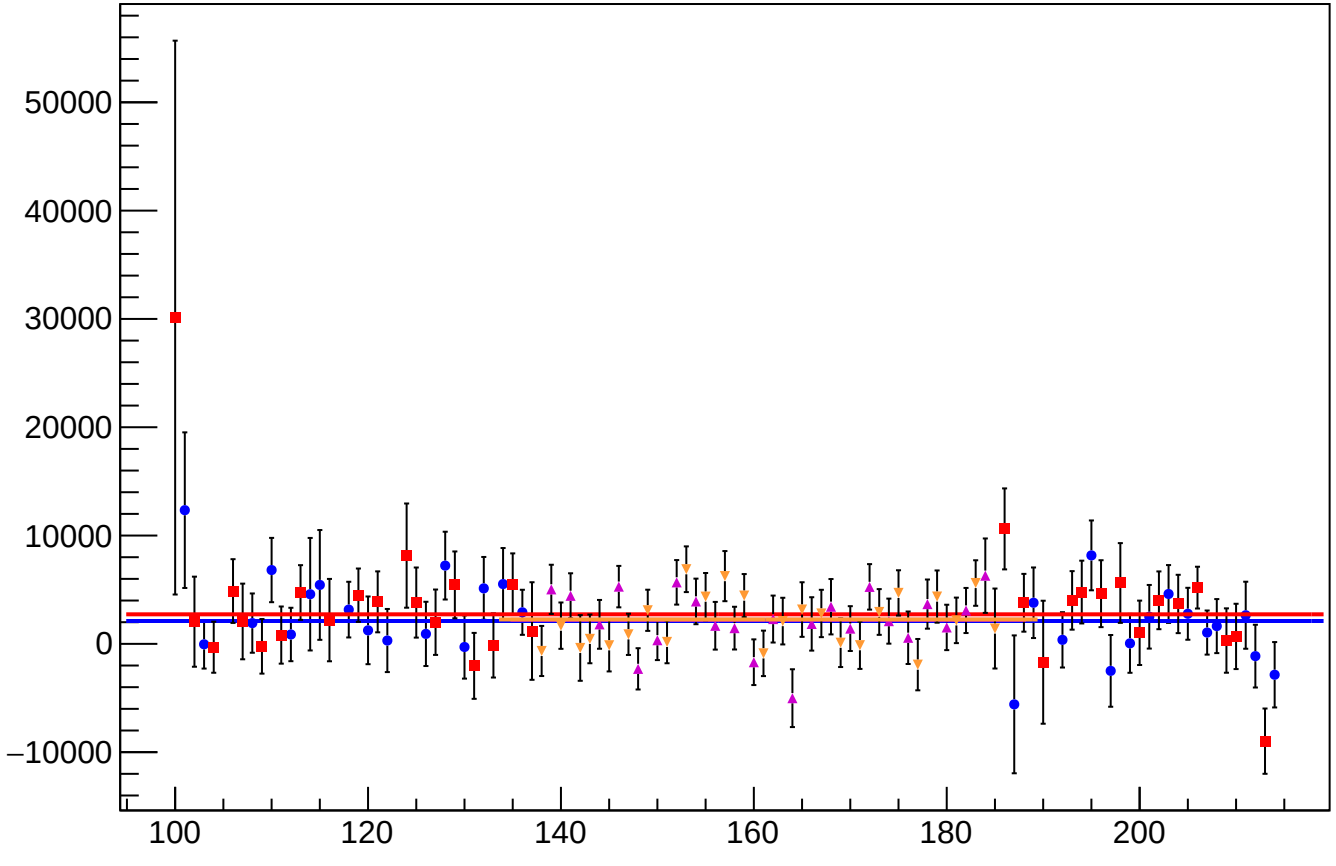
Right: 1165.985+/-0.147 χ^2/NDF: 10568439.2/62

In: 1062.810+/-0.131 χ^2/NDF:6799727.4/52

Out: 1058.458+/-0.129 χ^2/NDF:7768403.0/57

All: 1060.592+/-0.092 χ^2/NDF: 14568691.1/1

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

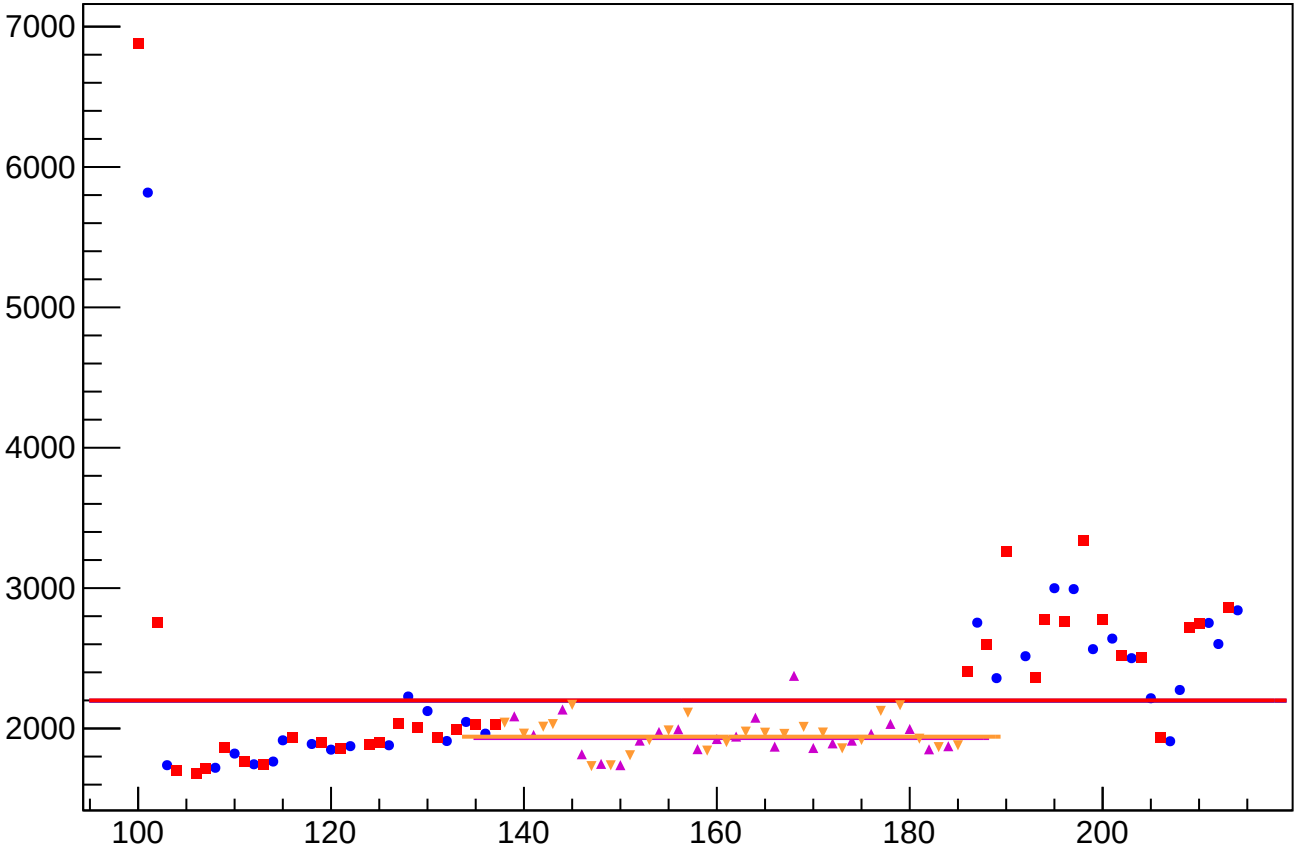
Right: 2421.760+/-370.481 χ^2/NDF: 65.8/62

In: 2173.211+/-343.013 χ^2/NDF:57.8/52

Out: 2451.011+/-337.318 χ^2/NDF:67.6/57

All: 2314.437+/-240.508 χ^2/NDF: 125.8/110

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



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

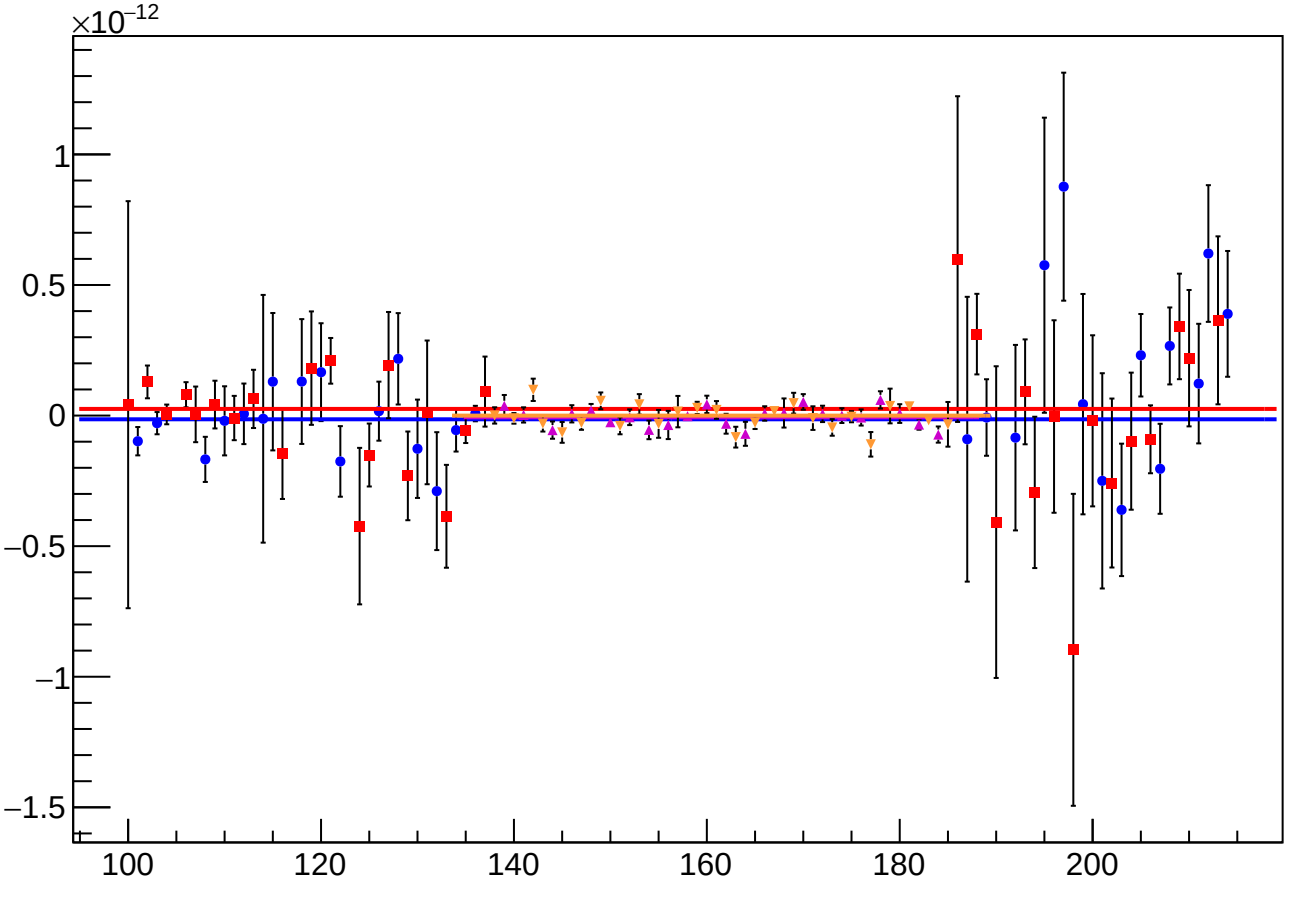
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2198.786+/-0.262 χ^2/NDF: 3009441.8/62

In: 2044.789+/-0.243 χ^2/NDF:2011727.8/52

Out: 2049.558+/-0.239 χ^2/NDF:1875489.6/57

All: 2047.214+/-0.170 χ^2/NDF: 3887413.9/11



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

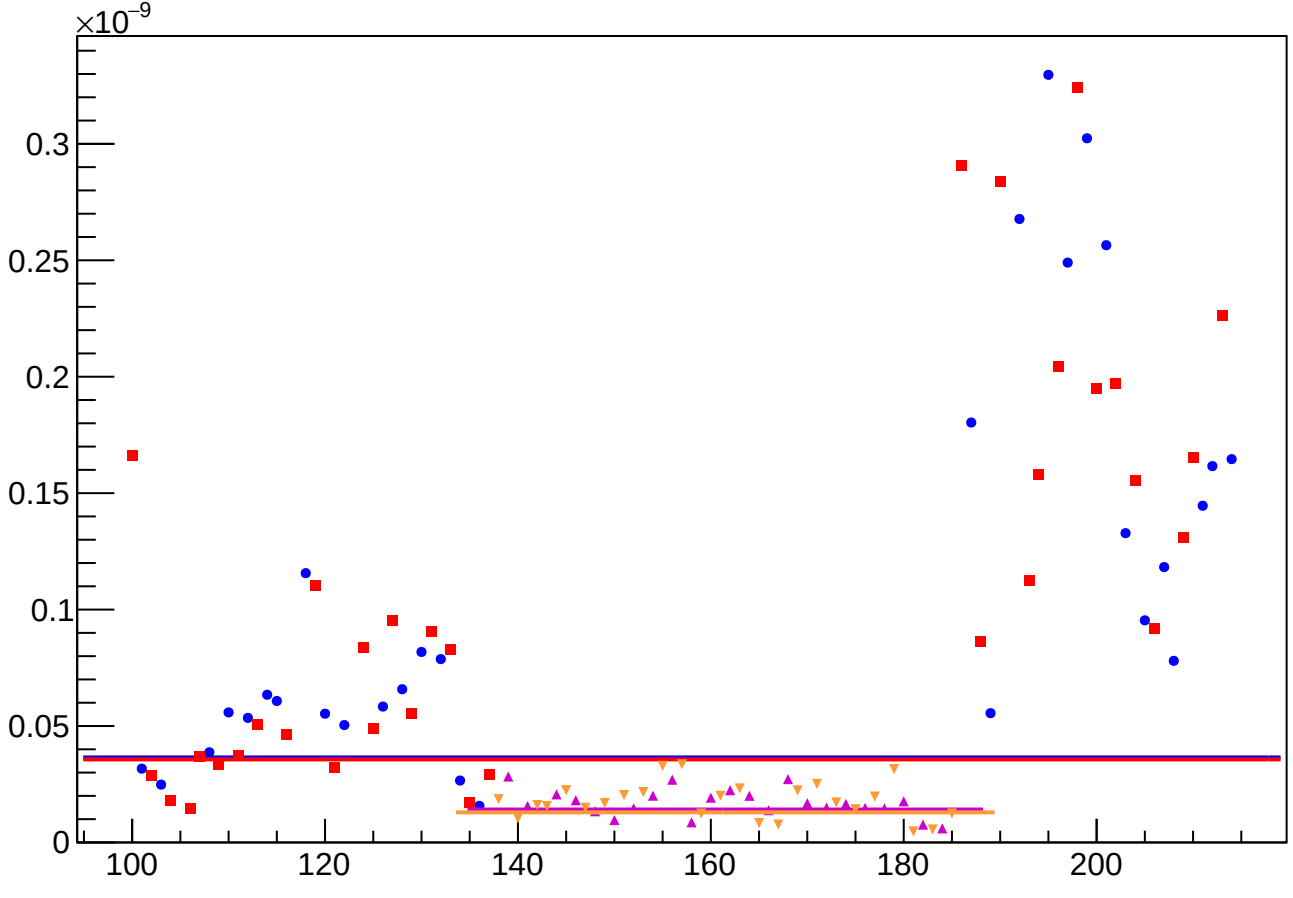
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 79.3/62

In: -0.000+/-0.000 χ^2/NDF:64.7/52

Out: 0.000+/-0.000 χ^2/NDF:82.0/57

All: -0.000+/-0.000 χ^2/NDF: 148.1/110



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

Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

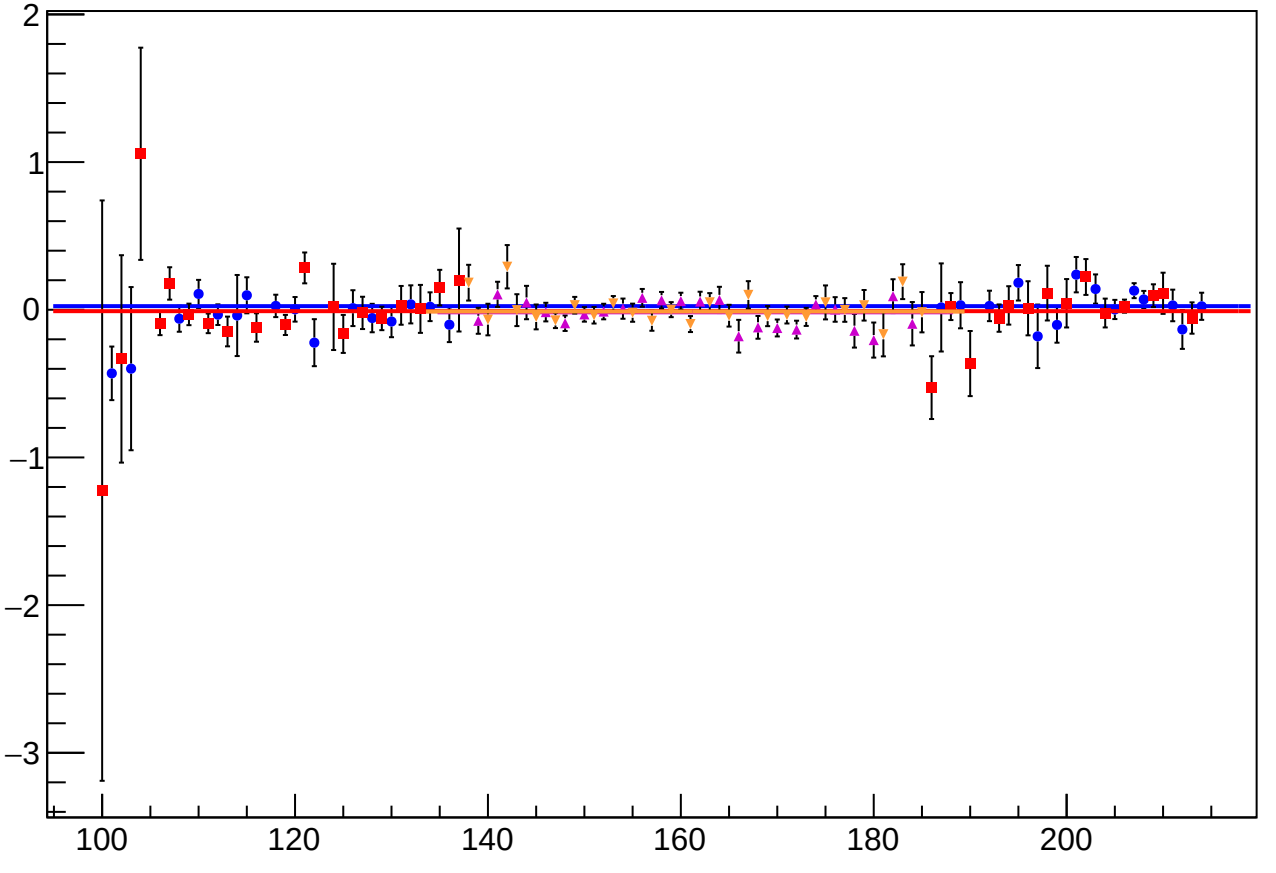
Right: 0.000+/-0.000 χ^2/NDF: 15696117.4/62

In: 0.000+/-0.000 χ^2/NDF:12121743.6/52

Out: 0.000+/-0.000 χ^2/NDF:13354330.9/57

All: 0.000+/-0.000 χ^2/NDF: 25548485.5/110

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

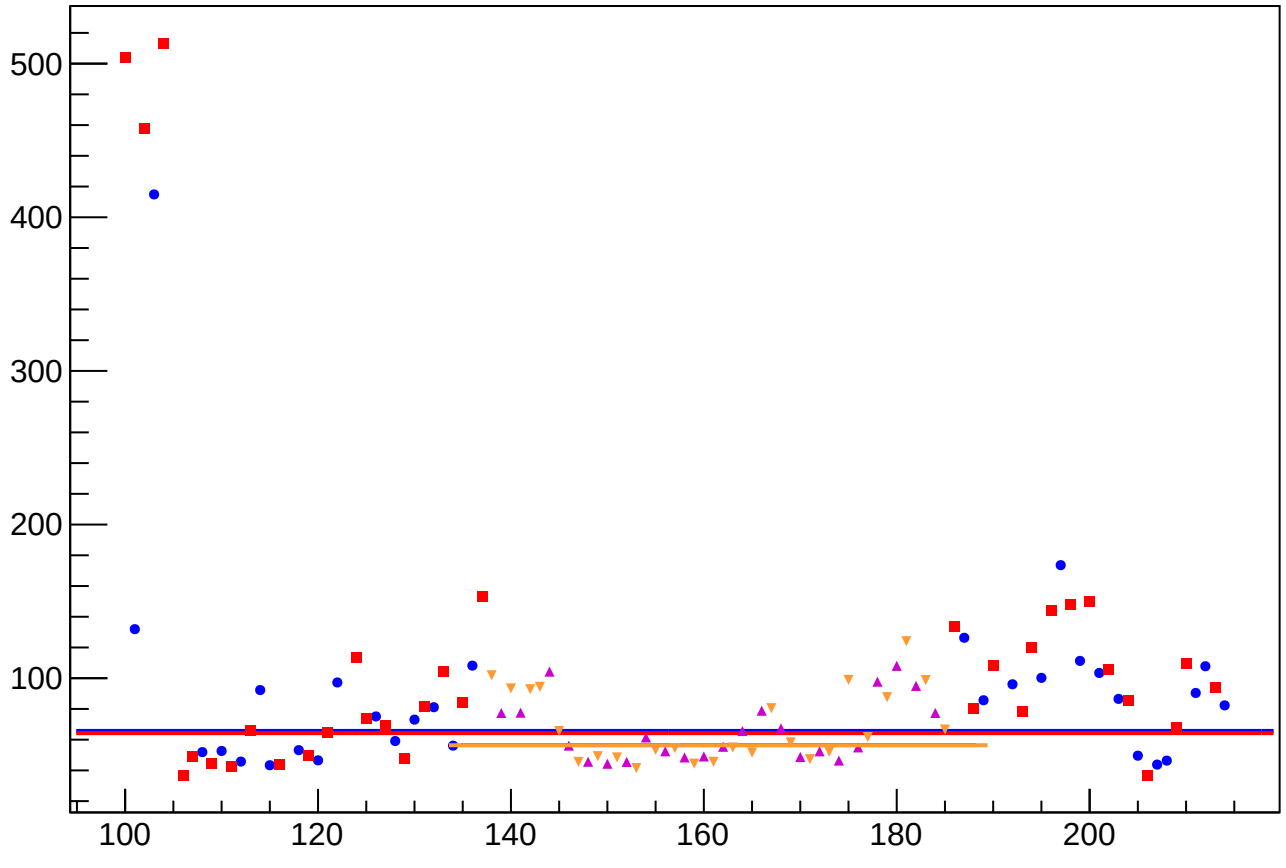
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: 0.008+/-0.013 χ^2/NDF: 73.4/62

In: -0.001+/-0.011 χ^2/NDF:63.6/52

Out: -0.011+/-0.011 χ^2/NDF:63.7/57

All: -0.006+/-0.008 χ^2/NDF: 127.7/110



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

Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

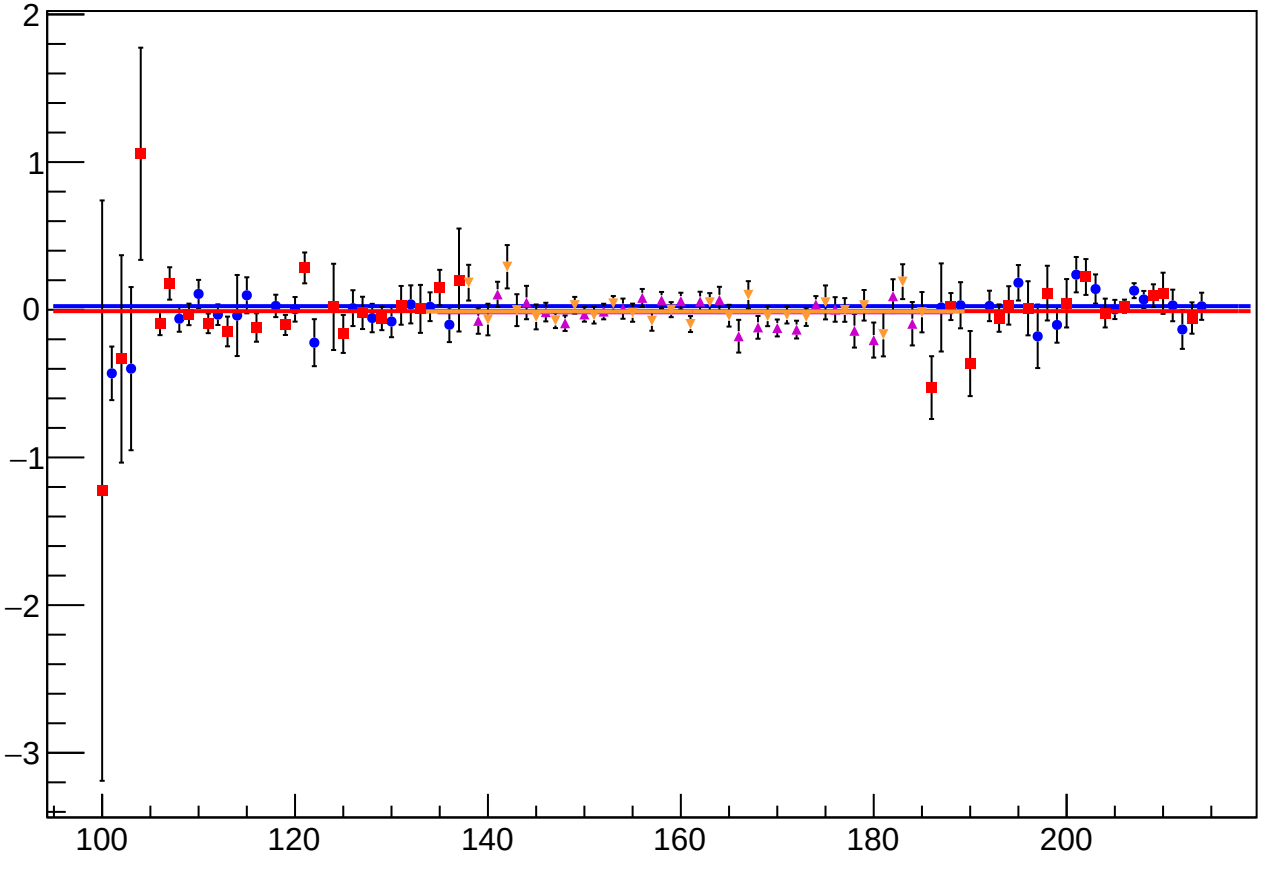
Right: 64.974+/-0.009 χ^2/NDF: 11018293.0/62

In: 60.094+/-0.008 χ^2/NDF:7066256.0/52

Out: 59.421+/-0.008 χ^2/NDF:9436306.8/57

All: 59.755+/-0.006 χ^2/NDF: 16506141.0/110

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

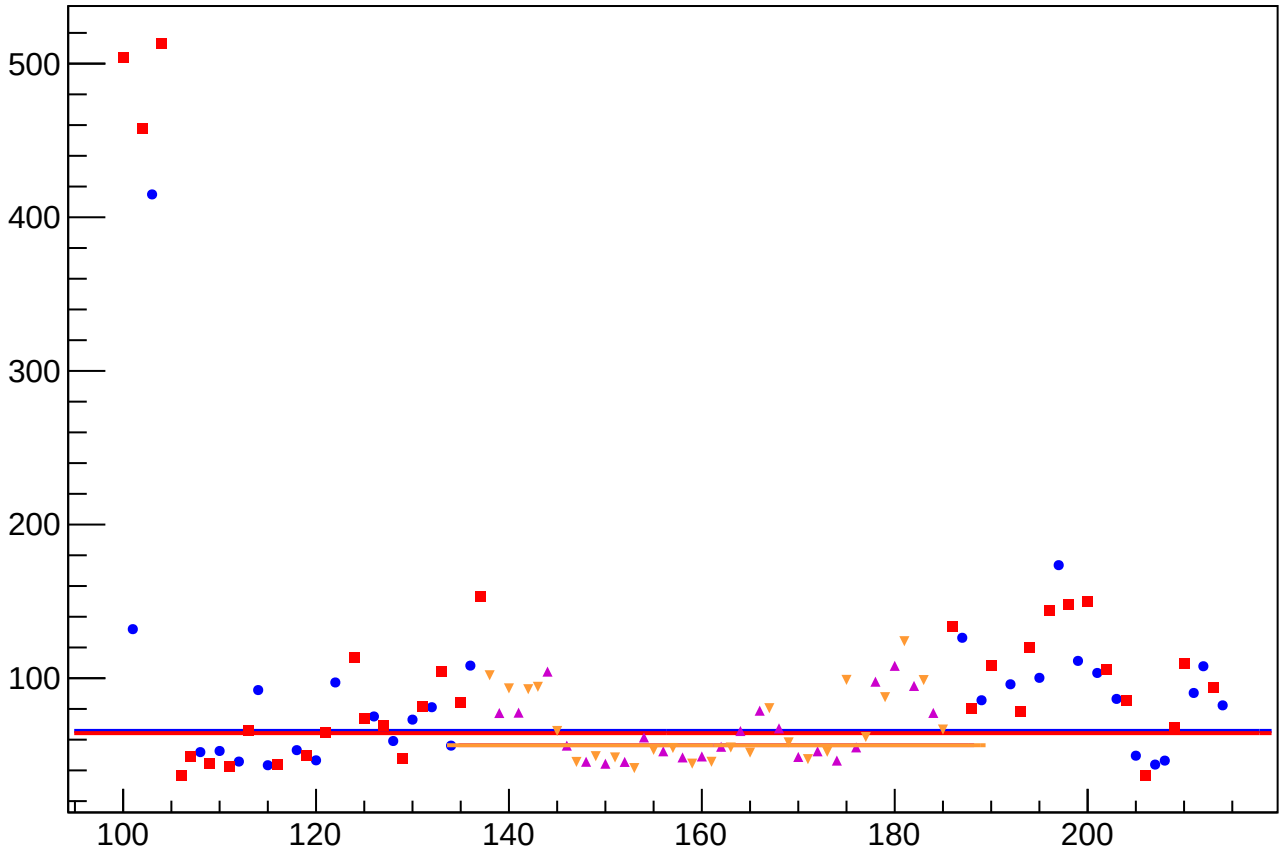
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: 0.008+/-0.013 χ^2/NDF: 73.4/62

In: -0.001+/-0.011 χ^2/NDF:63.6/52

Out: -0.011+/-0.011 χ^2/NDF:63.7/57

All: -0.006+/-0.008 χ^2/NDF: 127.7/110



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

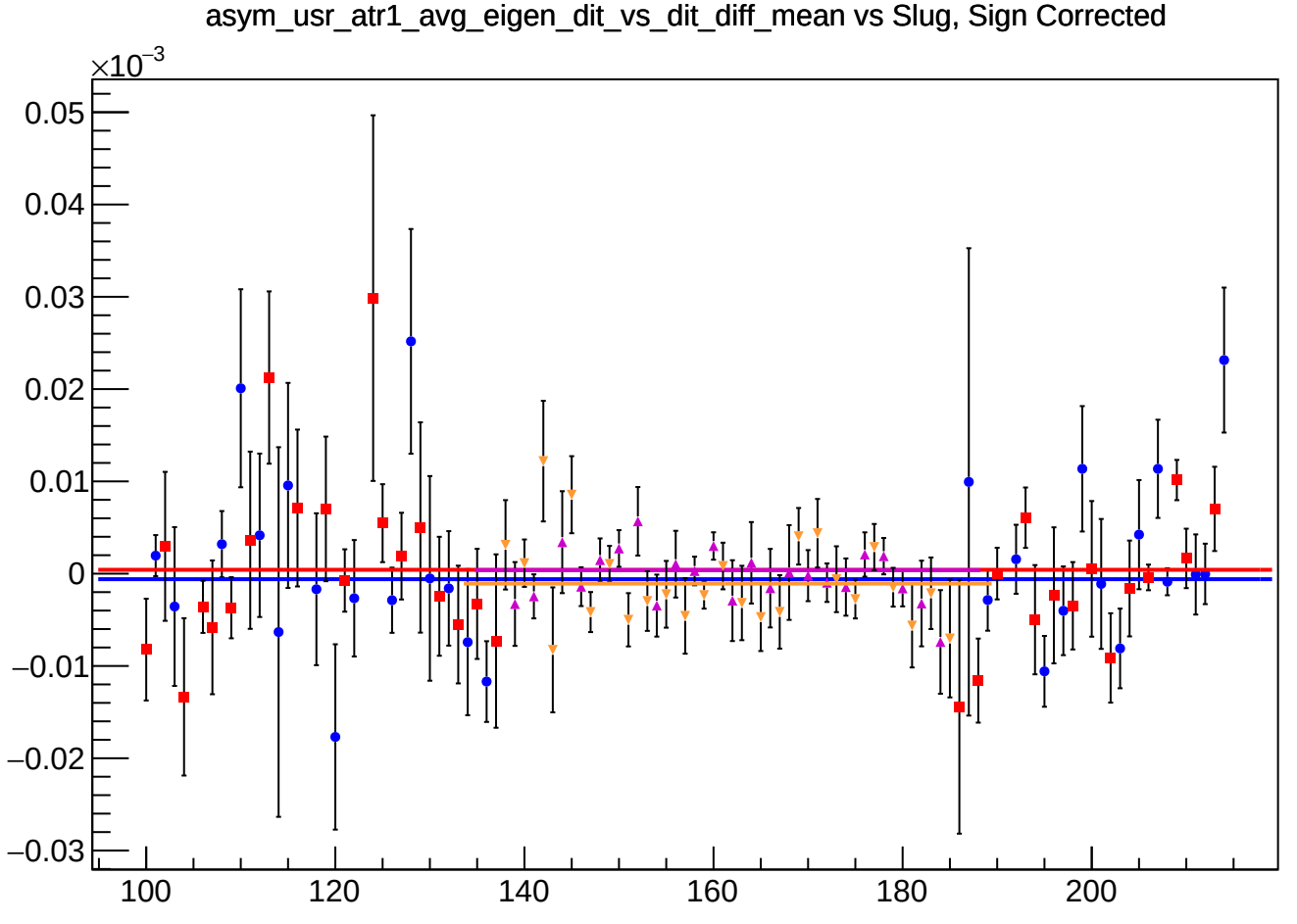
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 64.974+/-0.009 χ^2/NDF: 11018293.0/62

In: 60.094+/-0.008 χ^2/NDF:7066256.0/52

Out: 59.421+/-0.008 χ^2/NDF:9436306.8/57

All: 59.755+/-0.006 χ^2/NDF: 16506141.0/110



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

Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

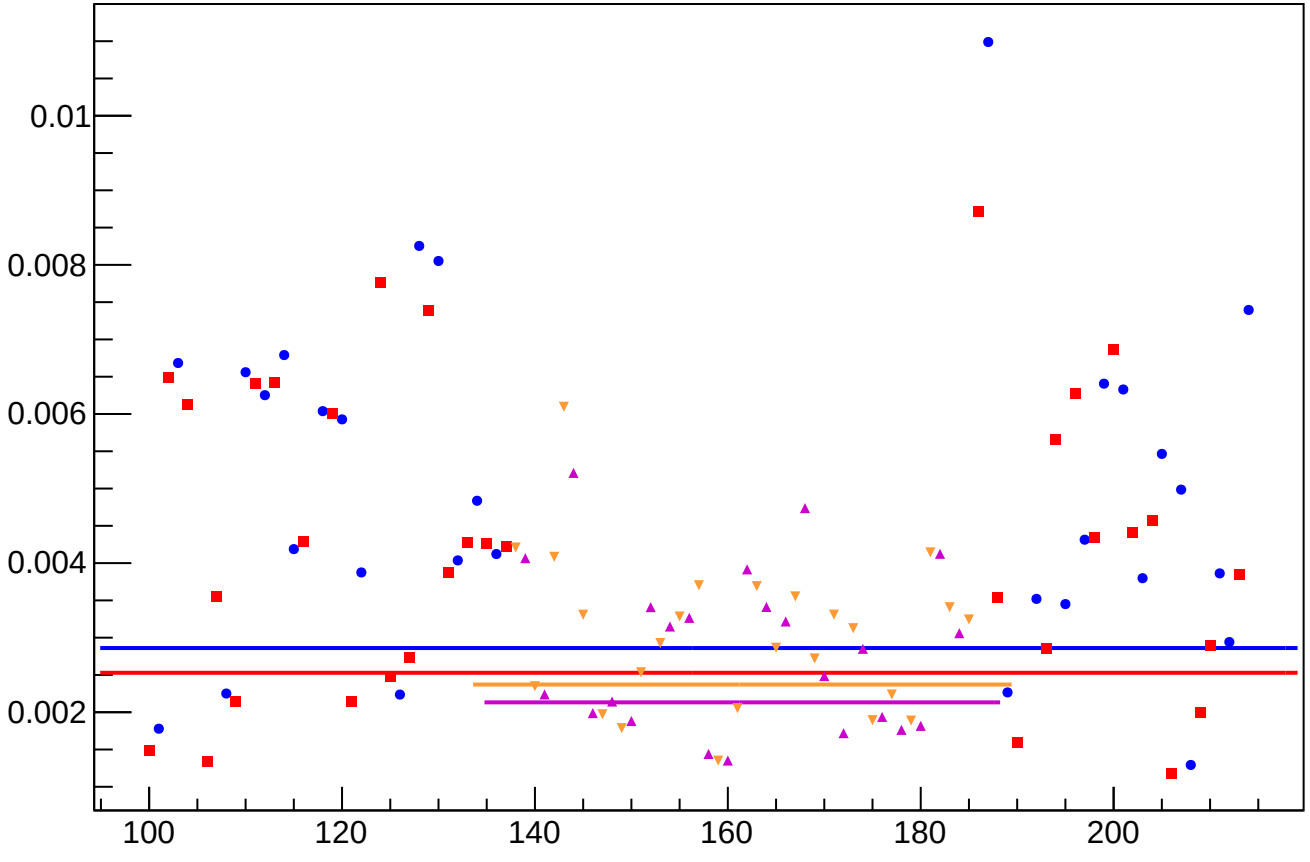
Right: -0.000+/-0.000 χ^2/NDF: 114.2/62

In: 0.000+/-0.000 χ^2/NDF:70.4/52

Out: -0.000+/-0.000 χ^2/NDF:95.5/57

All: -0.000+/-0.000 χ^2/NDF: 166.7/110

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

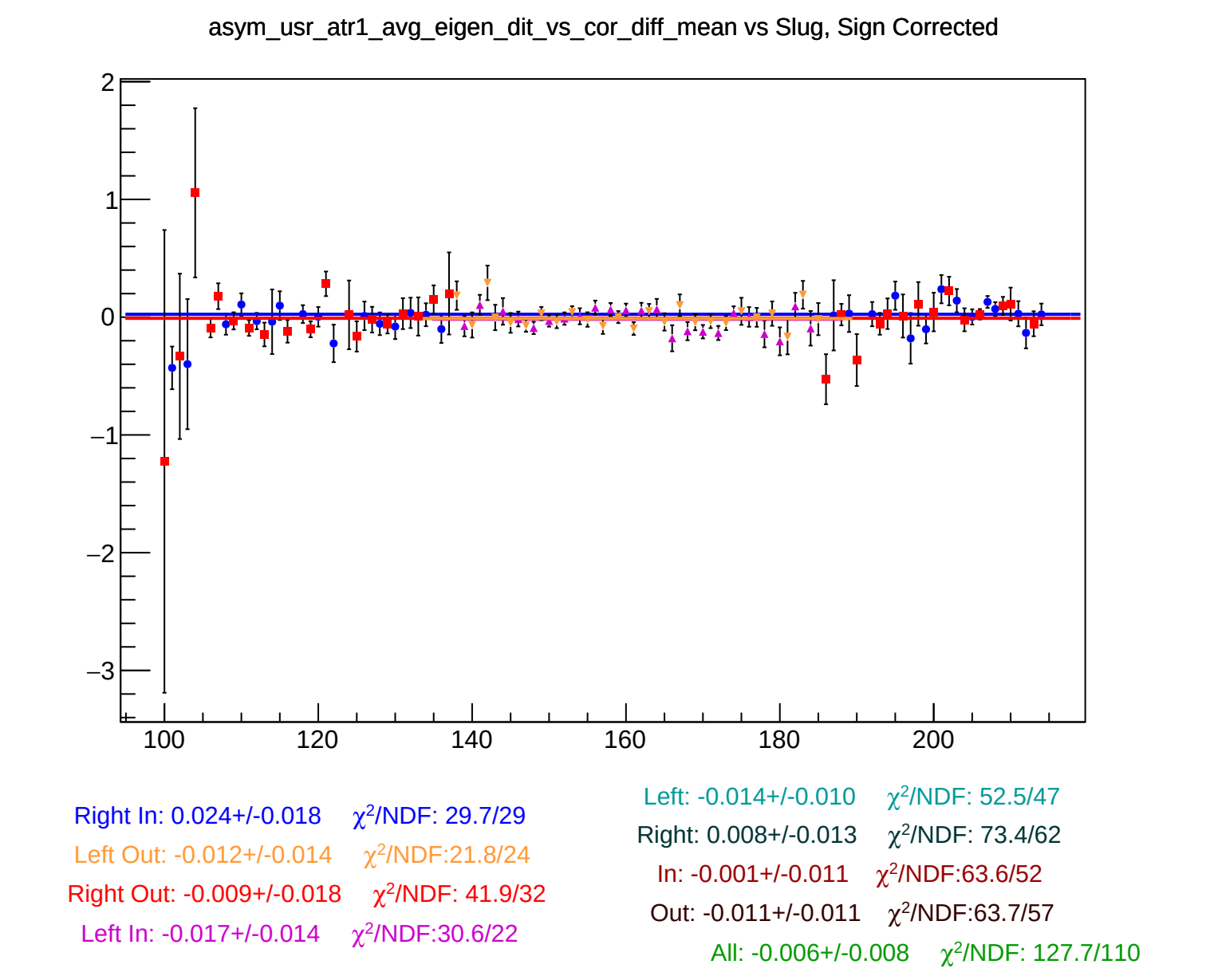
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

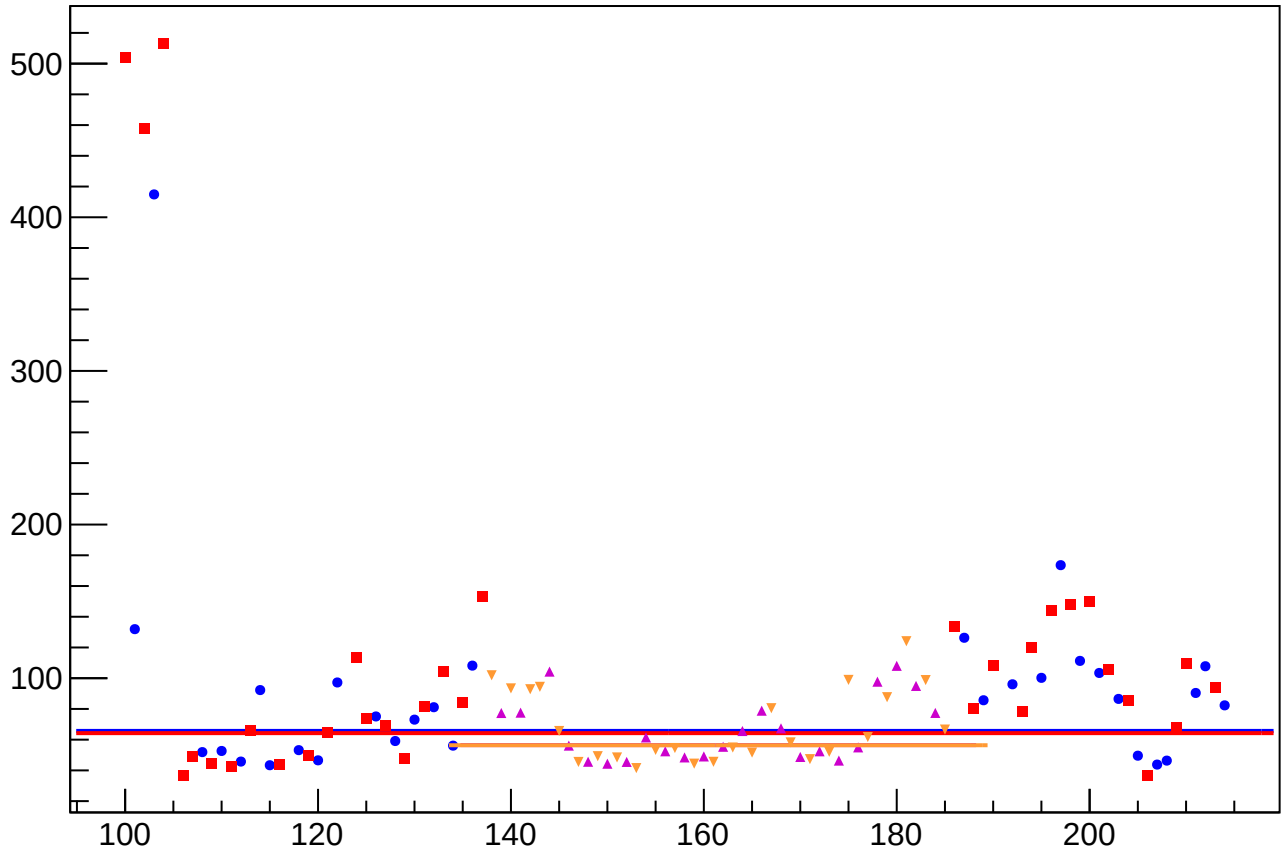
Right: 0.003+/-0.000 χ^2/NDF: 18141359.8/62

In: 0.002+/-0.000 χ^2/NDF:14510979.7/52

Out: 0.002+/-0.000 χ^2/NDF:13350124.2/57

All: 0.002+/-0.000 χ^2/NDF: 27885229.0/110


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.024+/-0.018 χ²/NDF: 29.7/29
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.009+/-0.018 χ²/NDF: 41.9/32
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.008+/-0.013 χ²/NDF: 73.4/62
In: -0.001+/-0.011 χ²/NDF:63.6/52
Out: -0.011+/-0.011 χ²/NDF:63.7/57
All: -0.006+/-0.008 χ²/NDF: 127.7/110



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

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

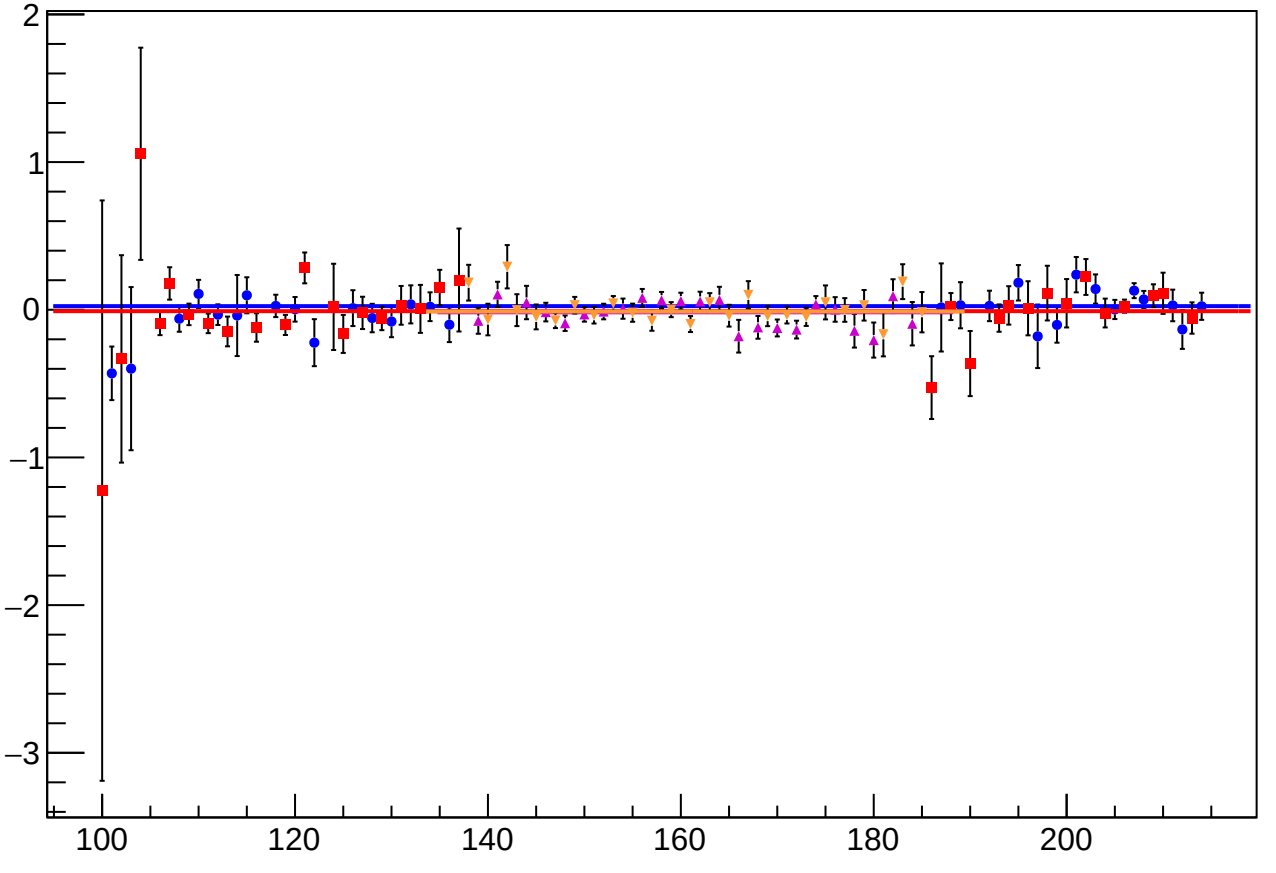
Right: 64.974+/-0.009 χ^2/NDF: 11018302.7/62

In: 60.094+/-0.008 χ^2/NDF:7066173.1/52

Out: 59.421+/-0.008 χ^2/NDF:9436383.1/57

All: 59.755+/-0.006 χ^2/NDF: 16506134.8/110

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

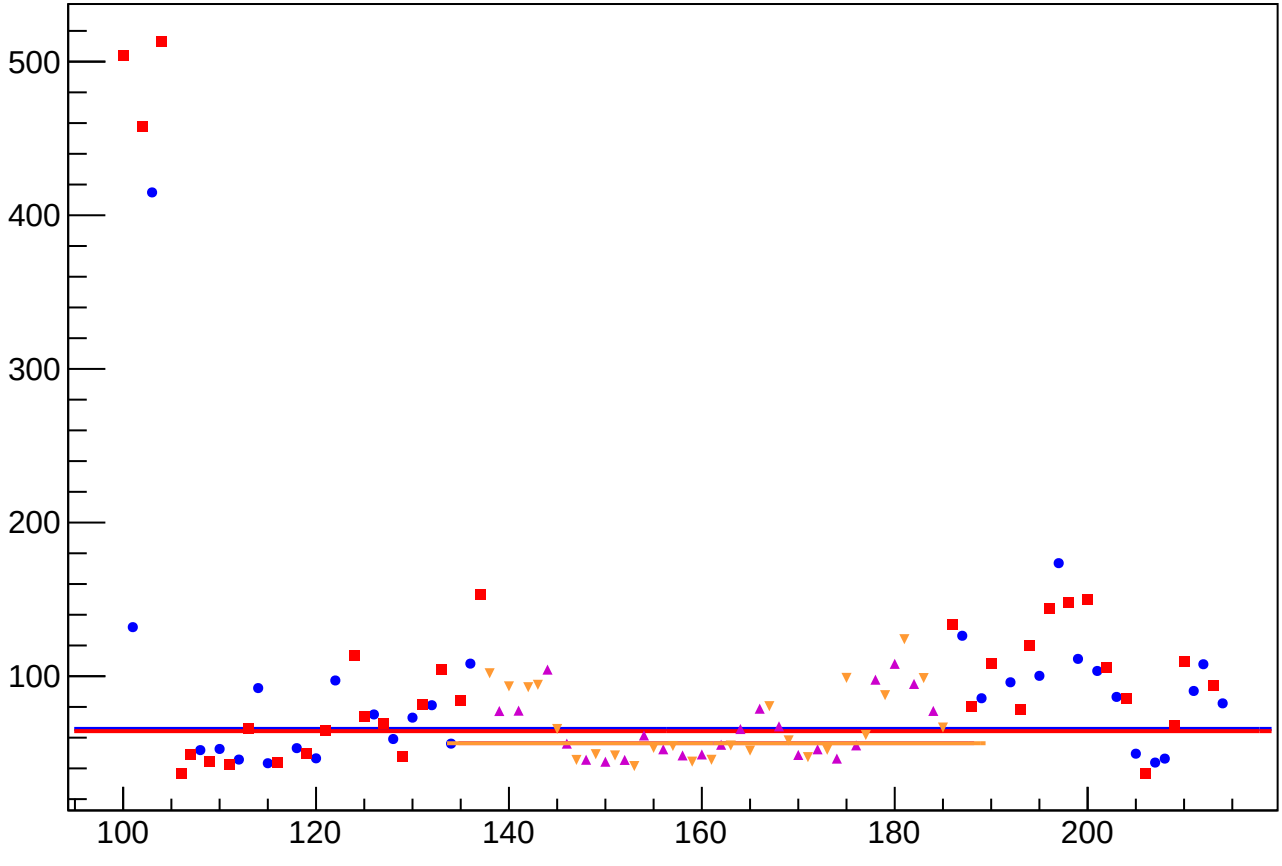
Right: 0.008+/-0.013 χ^2/NDF: 73.4/62

In: -0.001+/-0.011 χ^2/NDF:63.6/52

Out: -0.011+/-0.011 χ^2/NDF:63.7/57

All: -0.006+/-0.008 χ^2/NDF: 127.7/110

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

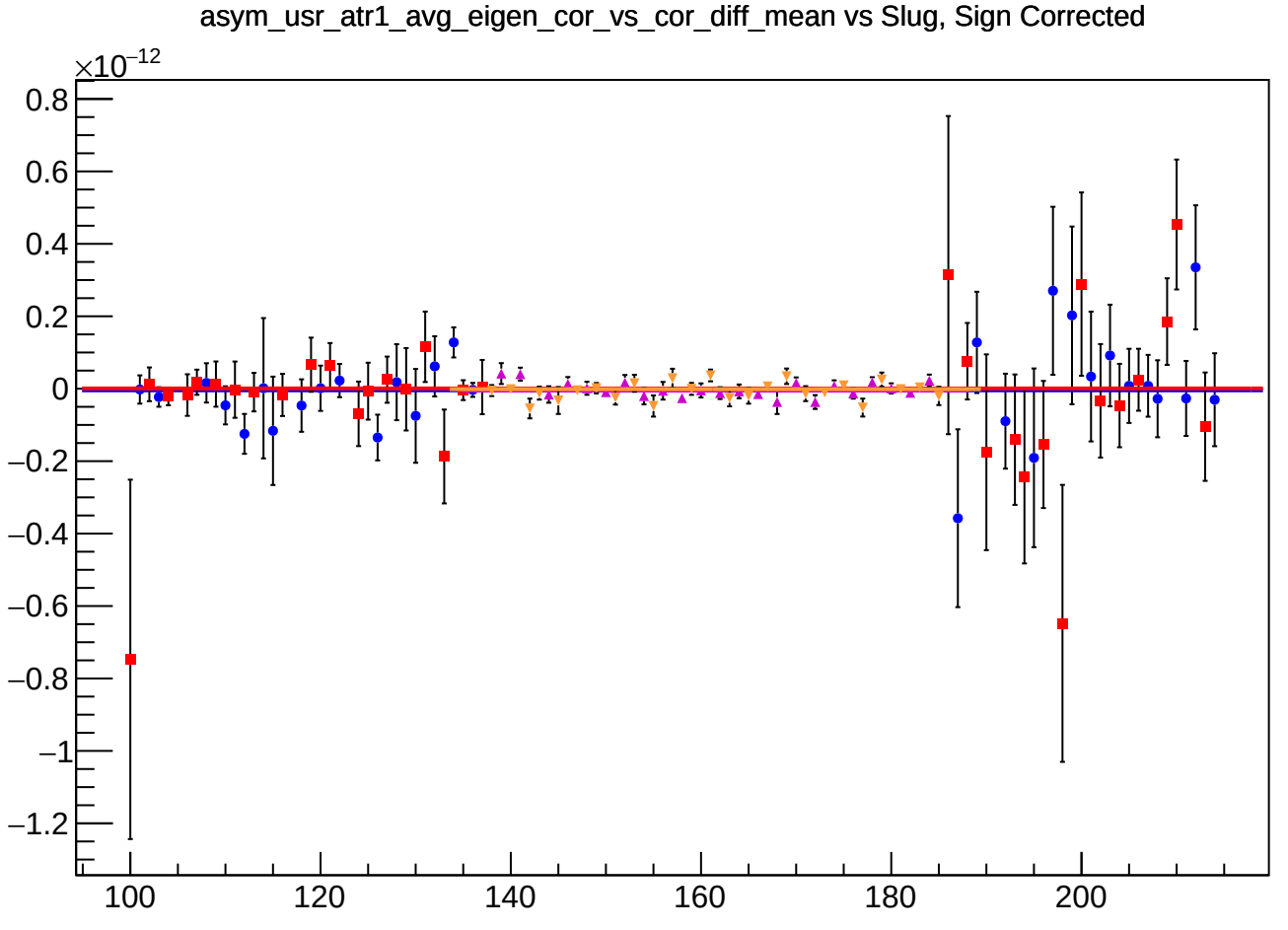
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 64.974+/-0.009 χ^2/NDF: 11018302.7/62

In: 60.094+/-0.008 χ^2/NDF:7066173.1/52

Out: 59.421+/-0.008 χ^2/NDF:9436383.1/57

All: 59.755+/-0.006 χ^2/NDF: 16506134.8/110



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

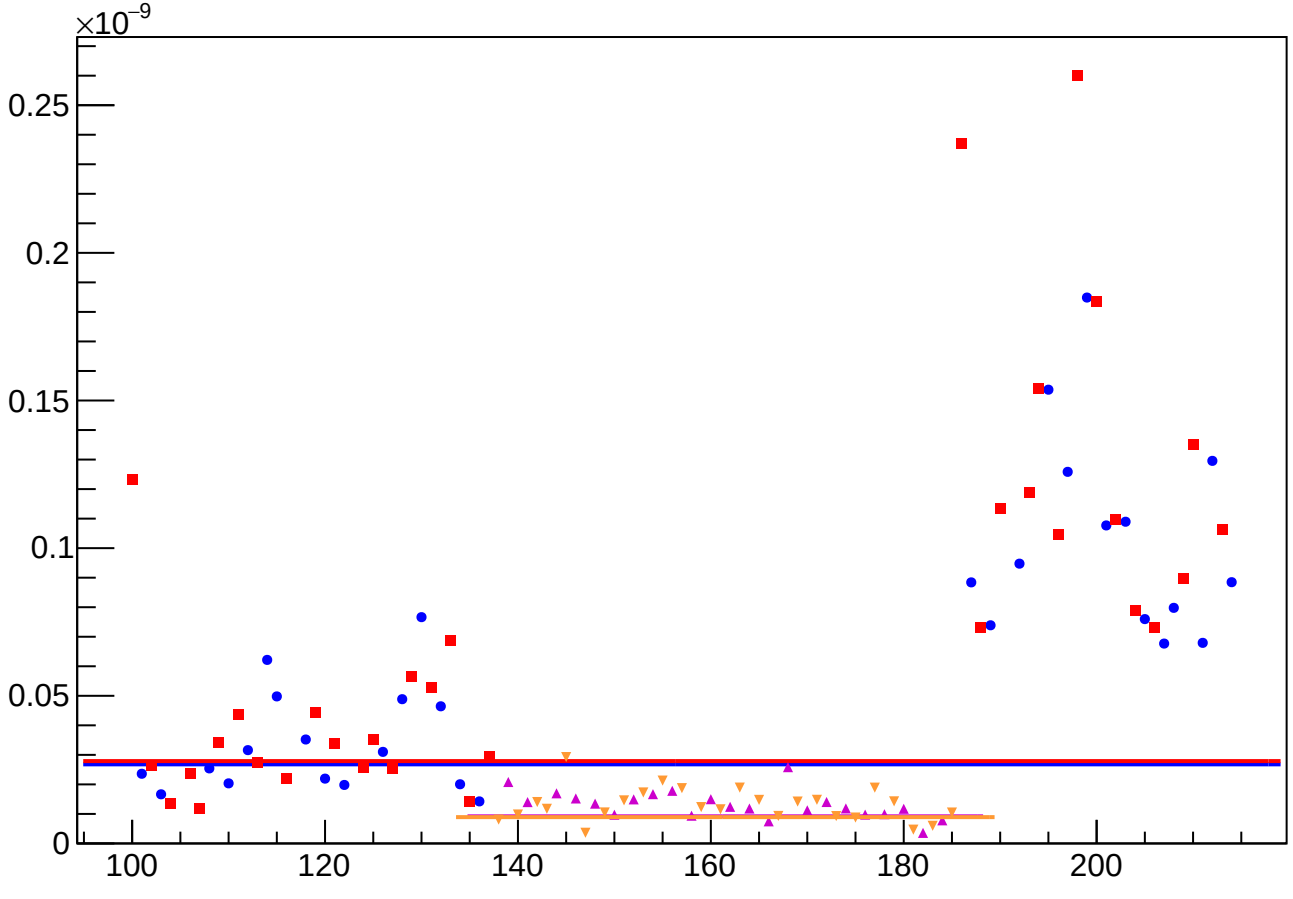
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 60.7/62

In: -0.000+/-0.000 χ^2/NDF:61.7/52

Out: -0.000+/-0.000 χ^2/NDF:56.9/57

All: -0.000+/-0.000 χ^2/NDF: 119.5/110



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

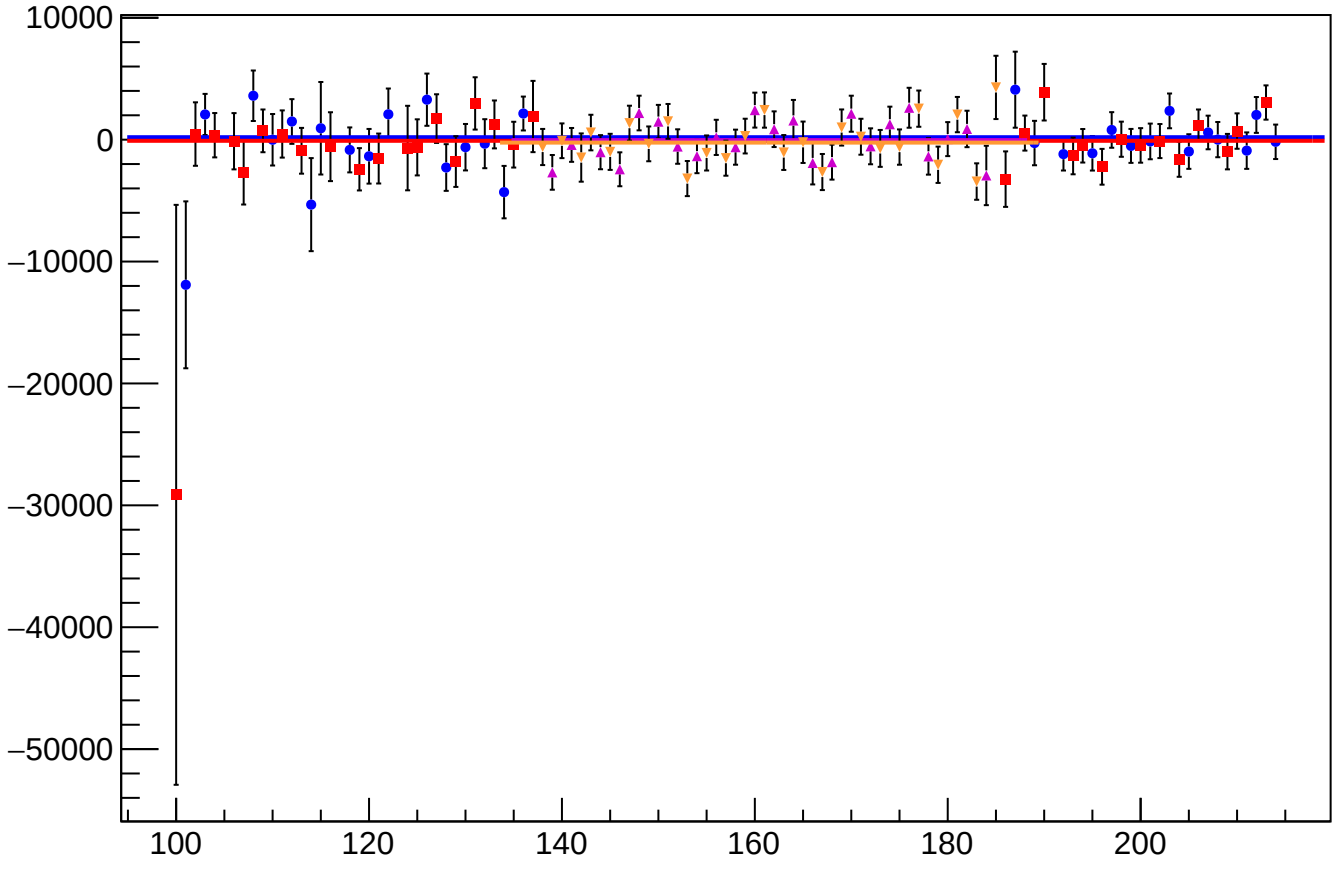
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 18254544.4/62

In: 0.000+/-0.000 χ^2/NDF:18603119.6/52

Out: 0.000+/-0.000 χ^2/NDF:19919959.4/57

All: 0.000+/-0.000 χ^2/NDF: 38540361.3/110



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

Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

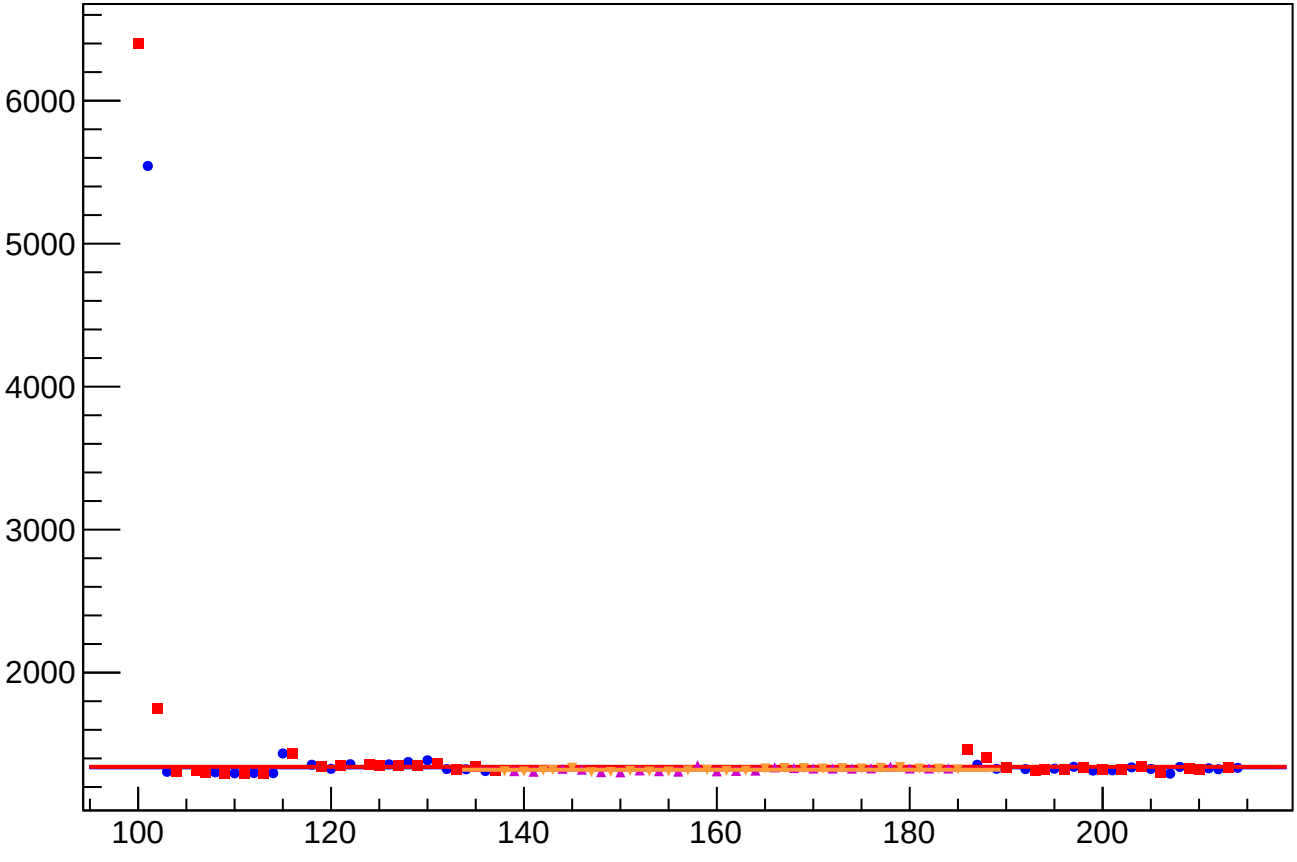
Right: 52.333+/-221.701 χ^2/NDF: 57.1/62

In: 78.807+/-220.661 χ^2/NDF:58.3/52

Out: -169.993+/-216.082 χ^2/NDF:57.6/57

All: -48.201+/-154.386 χ^2/NDF: 116.6/110

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



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

Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

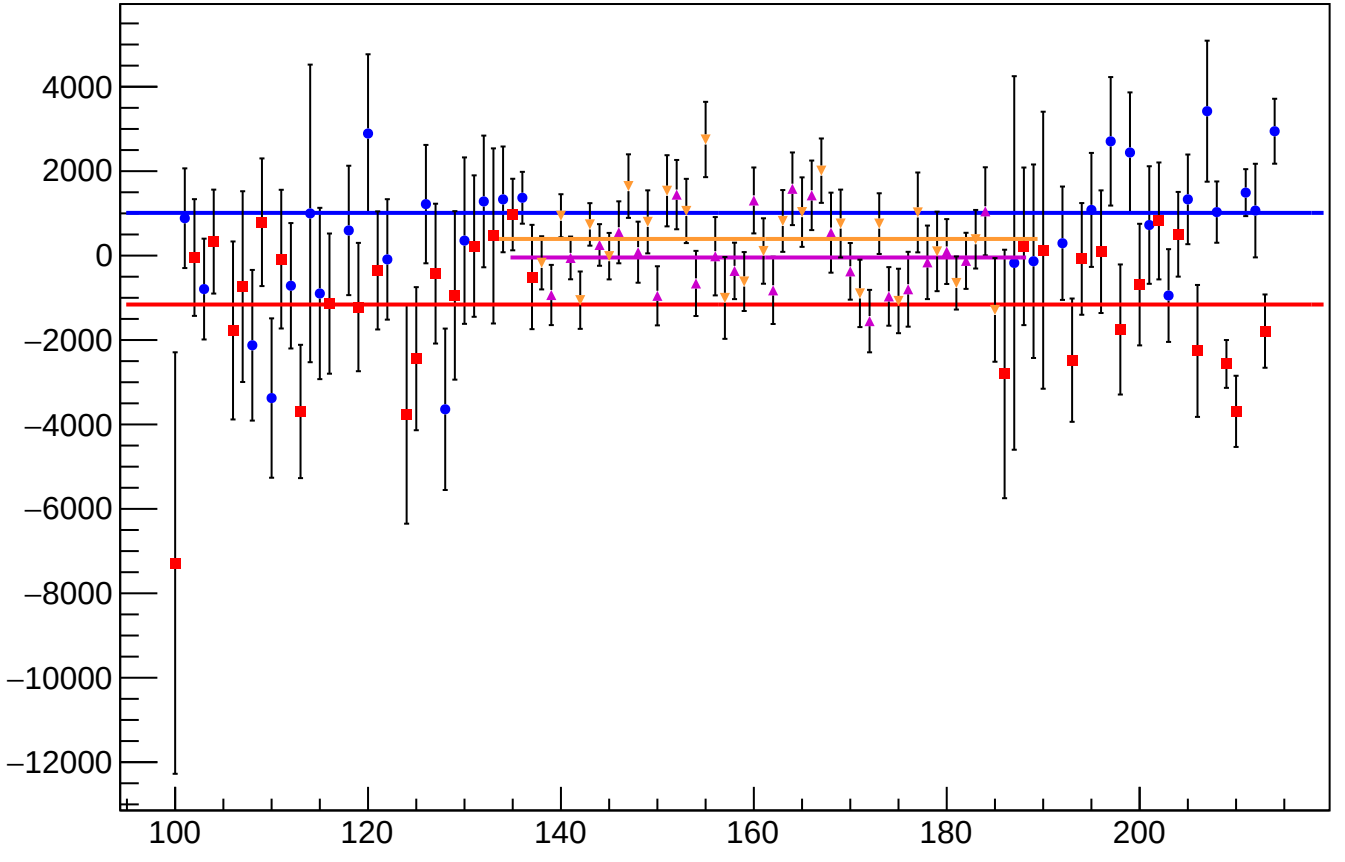
Right: 1339.338+/-0.157 χ^2/NDF: 928751.3/62

In: 1329.452+/-0.156 χ^2/NDF:772741.4/52

Out: 1330.565+/-0.153 χ^2/NDF:169011.2/57

All: 1330.020+/-0.109 χ^2/NDF: 941778.5/110

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



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

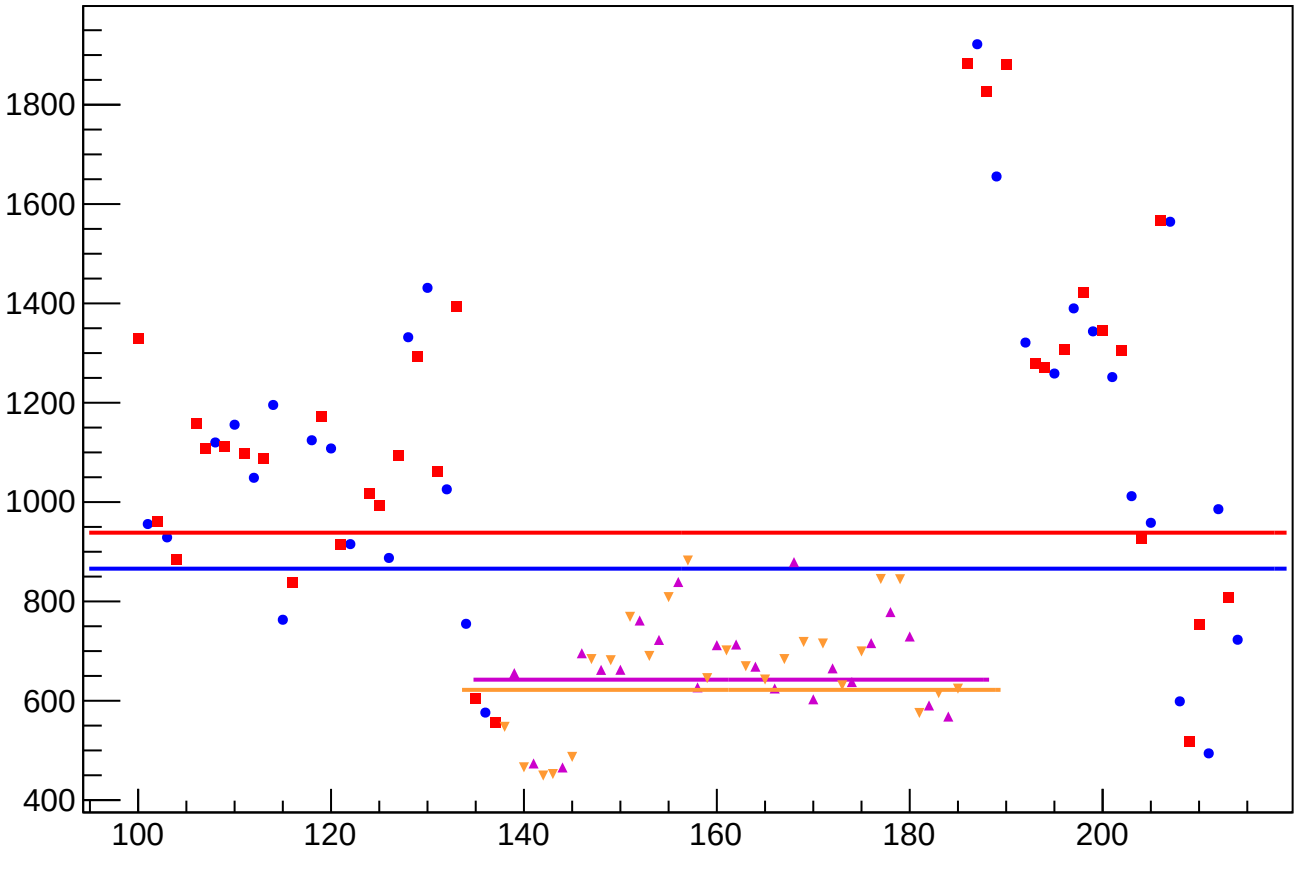
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -1.886+/-158.477 χ^2/NDF: 126.1/62

In: 303.886+/-124.692 χ^2/NDF:80.0/52

Out: -40.182+/-122.678 χ^2/NDF:117.1/57

All: 129.051+/-87.450 χ^2/NDF: 200.9/110



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

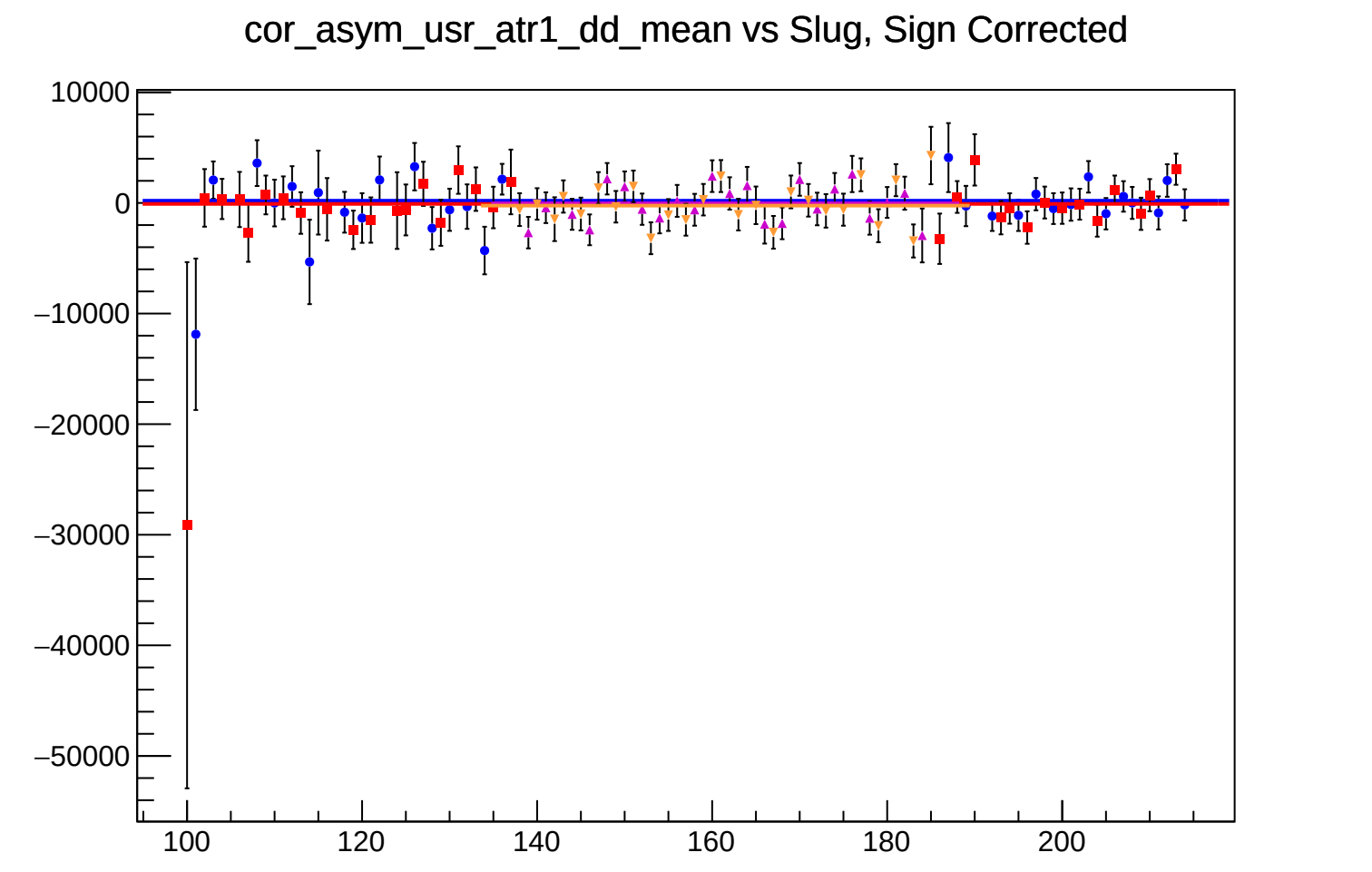
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 899.779+/-0.112 χ^2/NDF: 8256030.8/62

In: 716.213+/-0.088 χ^2/NDF:6386399.5/52

Out: 710.502+/-0.087 χ^2/NDF:8177502.5/57

All: 713.311+/-0.062 χ^2/NDF: 14566034.0/1



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

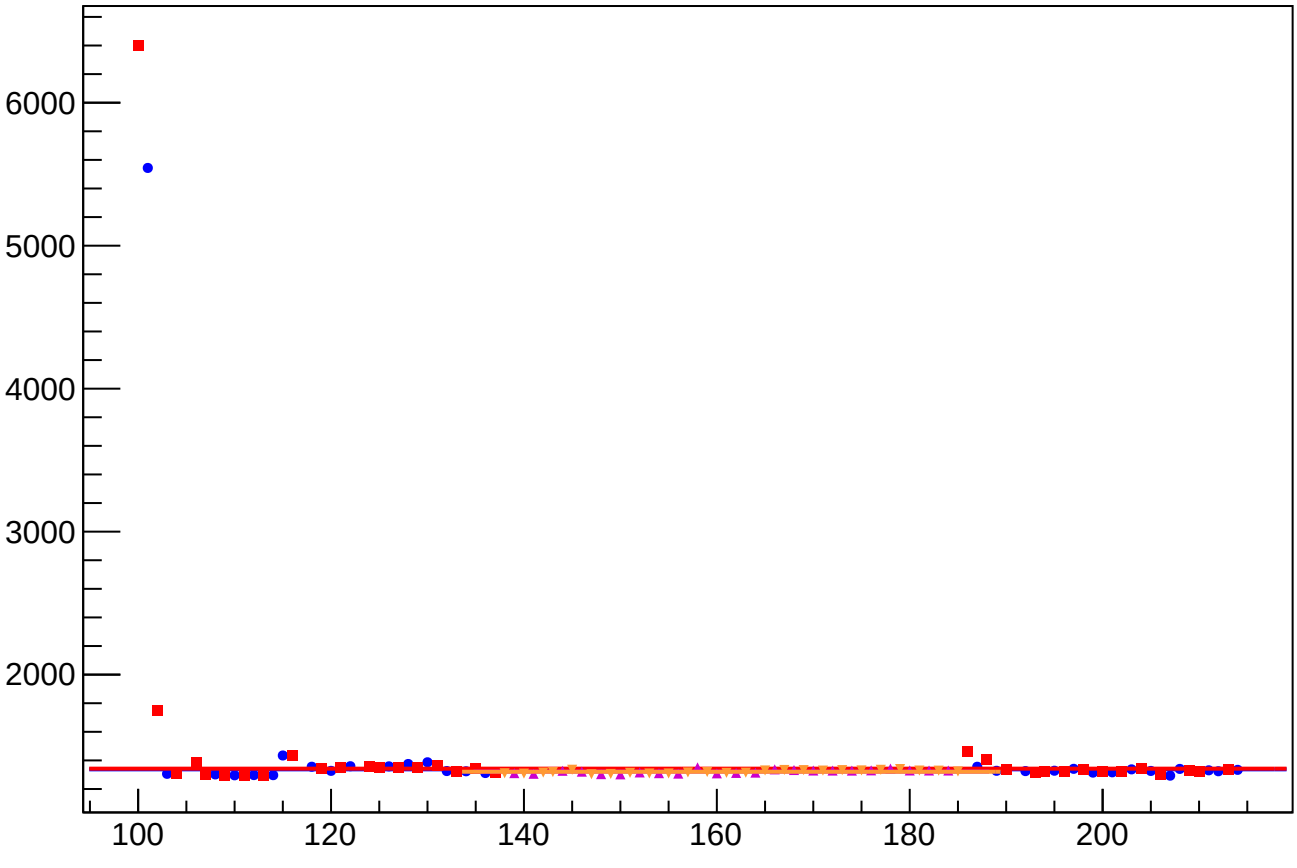
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: 56.083+/-221.849 χ^2/NDF: 57.1/62

In: 78.831+/-220.661 χ^2/NDF:58.3/52

Out: -166.771+/-216.219 χ^2/NDF:57.6/57

All: -46.466+/-154.436 χ^2/NDF: 116.6/110



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

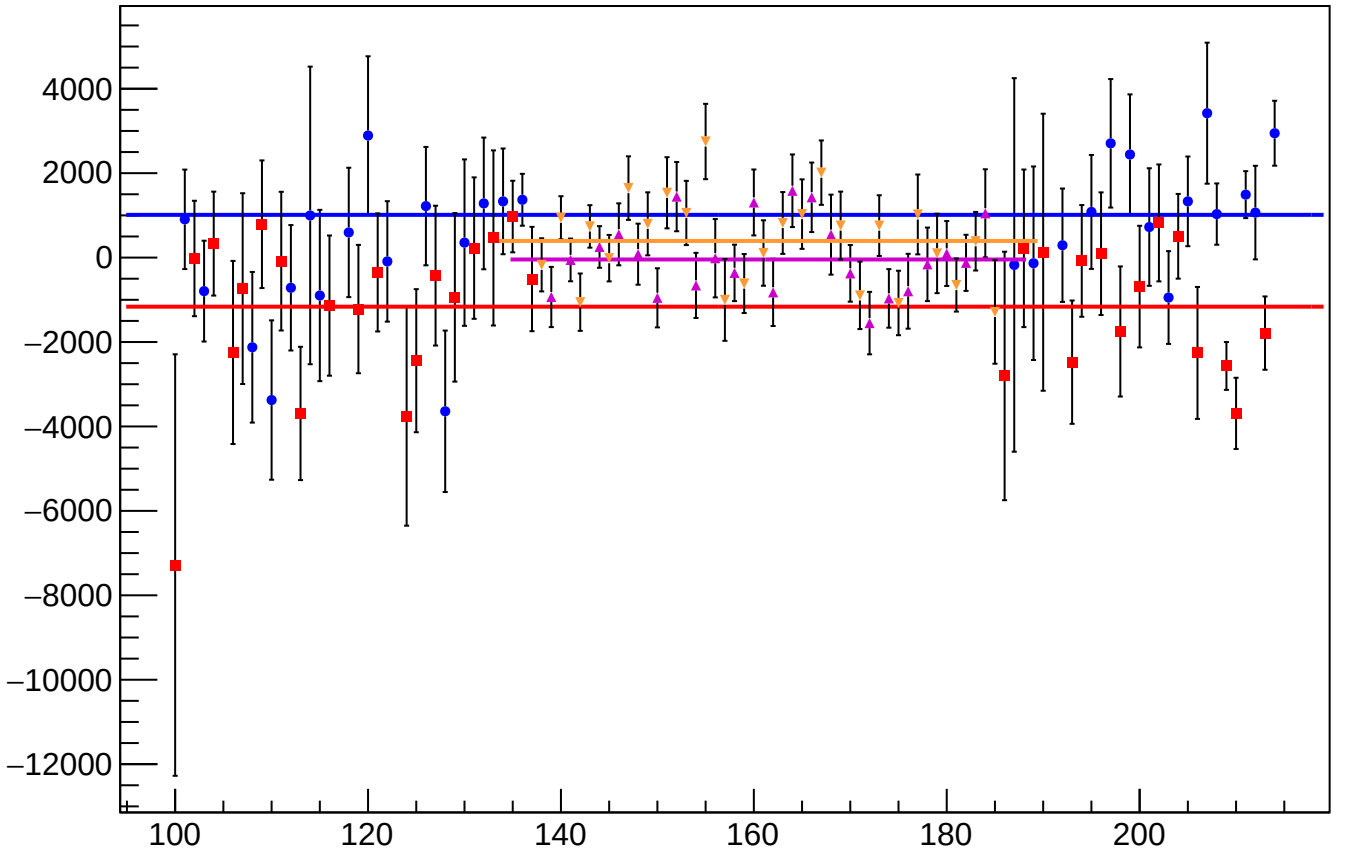
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1339.931+/-0.157 χ^2/NDF: 929342.7/62

In: 1329.452+/-0.156 χ^2/NDF:772740.4/52

Out: 1331.117+/-0.153 χ^2/NDF:170023.1/57

All: 1330.301+/-0.109 χ^2/NDF: 942821.6/110



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

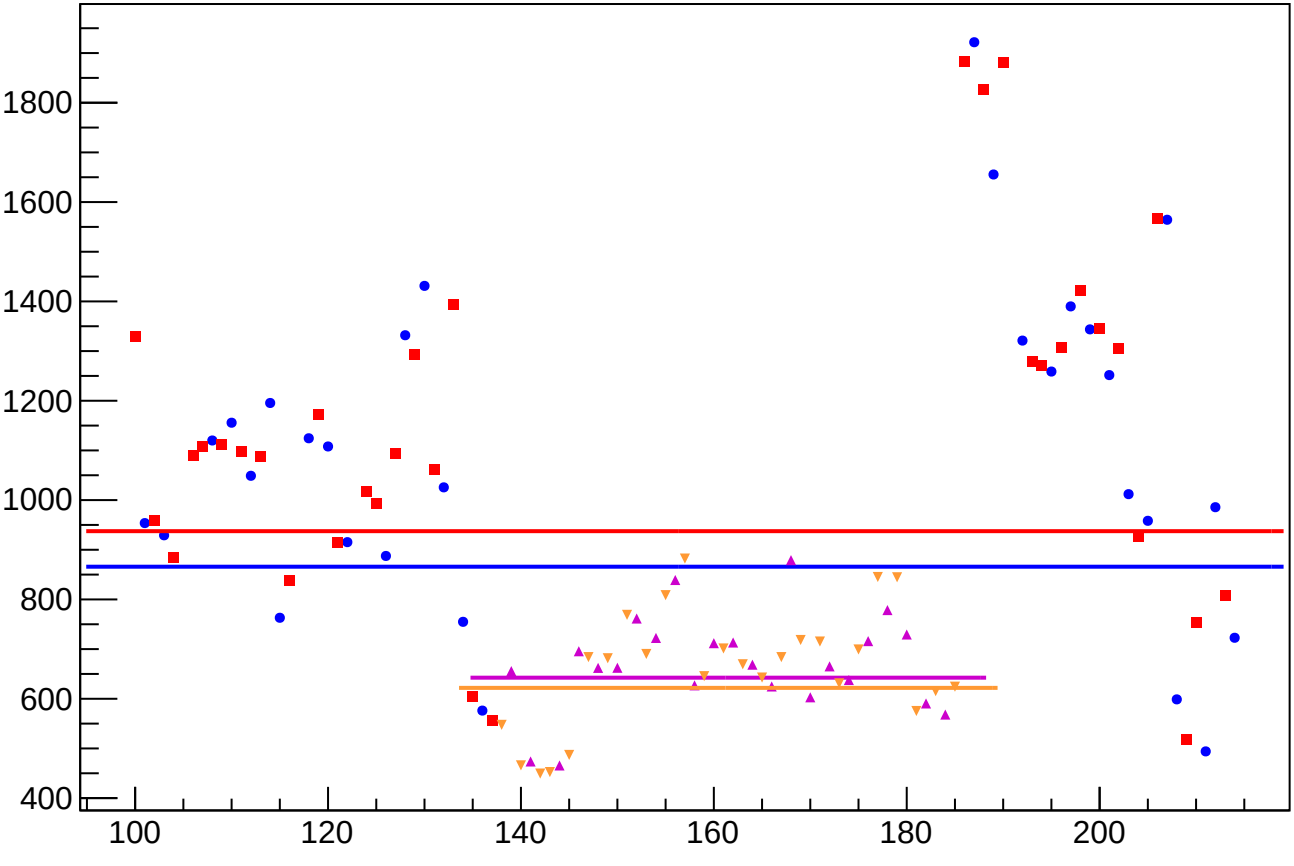
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -3.136+/-158.471 χ^2/NDF: 126.5/62

In: 304.150+/-124.688 χ^2/NDF:80.0/52

Out: -41.217+/-122.678 χ^2/NDF:117.4/57

All: 128.661+/-87.449 χ^2/NDF: 201.3/110



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

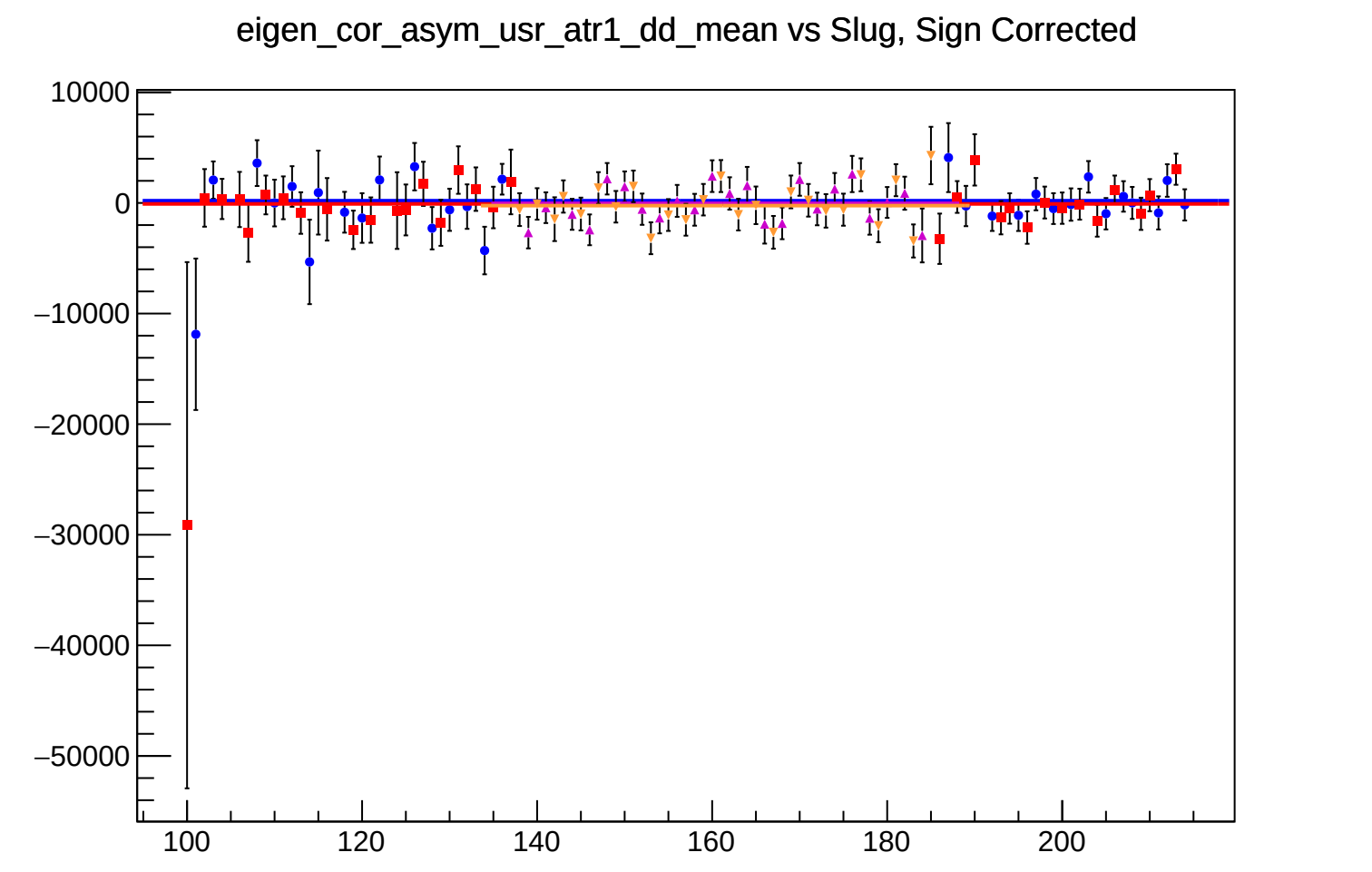
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 899.301+/-0.112 χ^2/NDF: 8241310.0/62

In: 716.197+/-0.088 χ^2/NDF:6385562.2/52

Out: 710.235+/-0.087 χ^2/NDF:8149472.2/57

All: 713.168+/-0.062 χ^2/NDF: 14537358.1/1



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

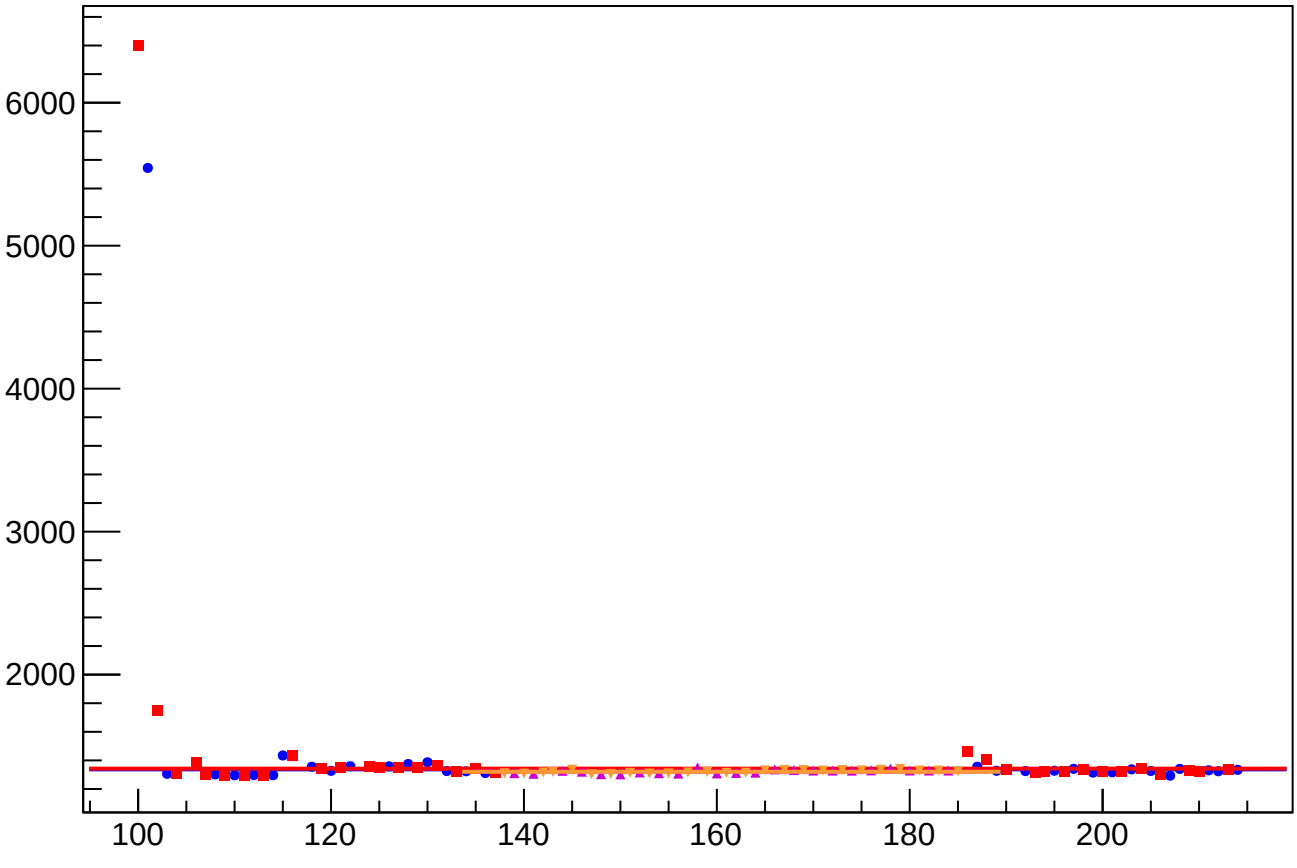
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: 56.083+/-221.849 χ^2/NDF: 57.1/62

In: 78.831+/-220.661 χ^2/NDF:58.3/52

Out: -166.771+/-216.219 χ^2/NDF:57.6/57

All: -46.466+/-154.436 χ^2/NDF: 116.6/110



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

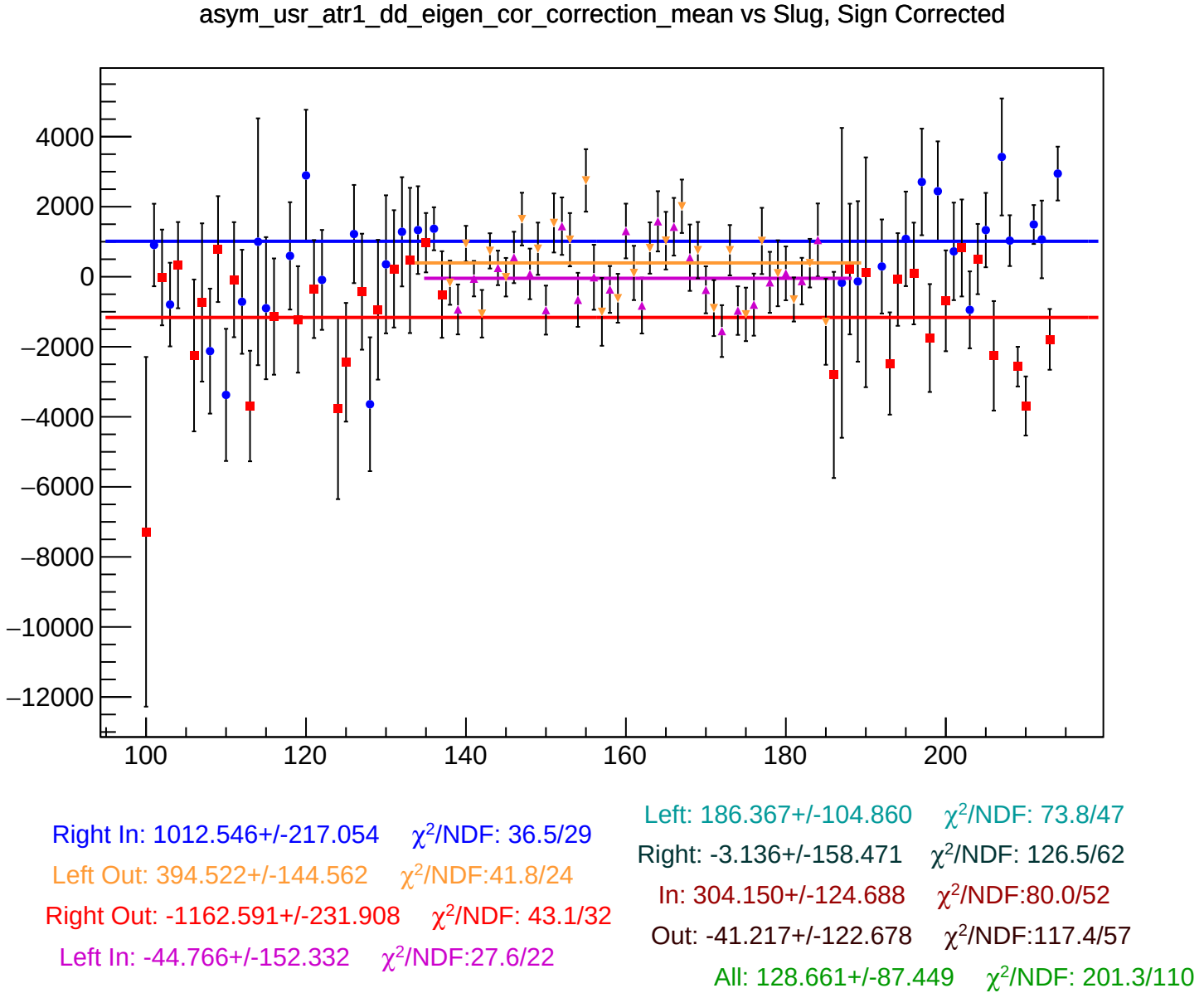
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

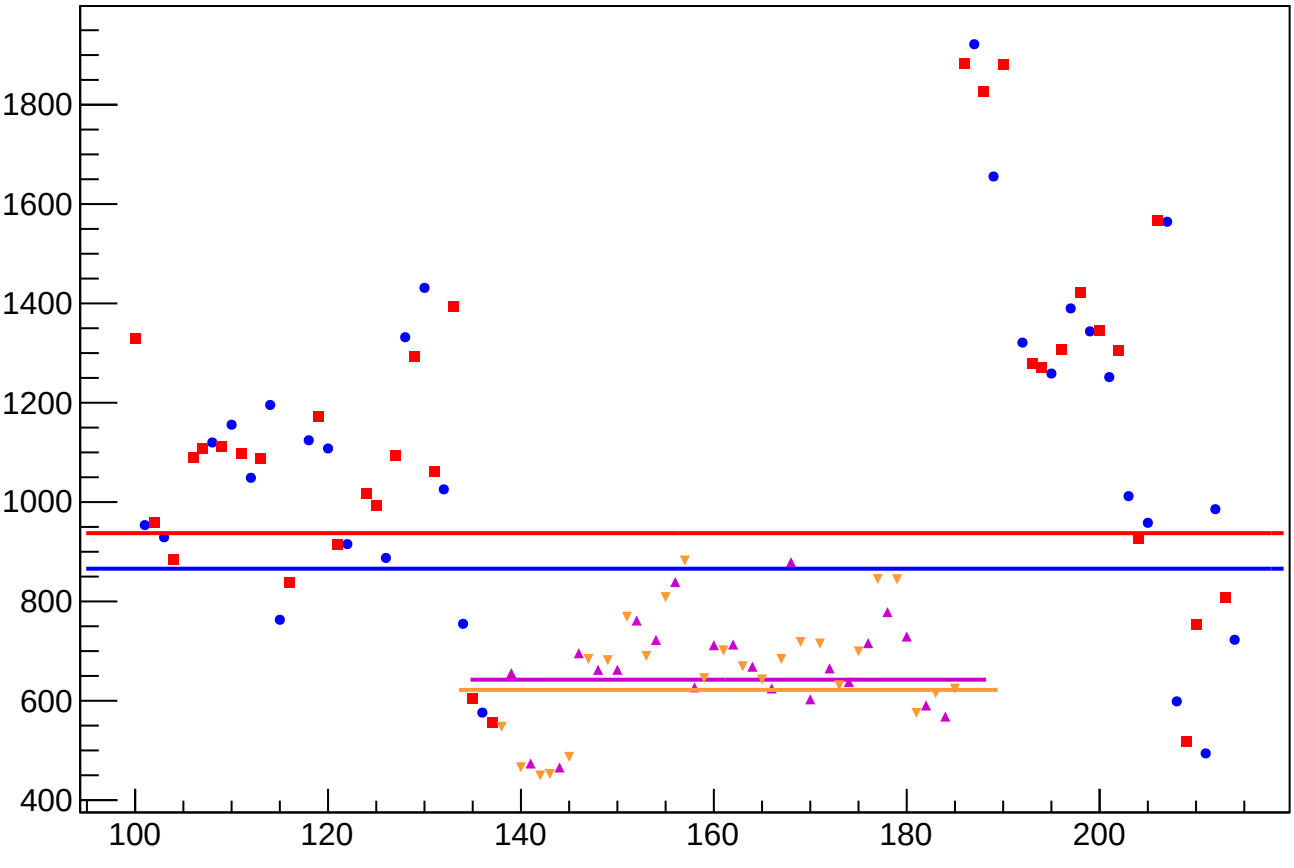
Right: 1339.931+/-0.157 χ^2/NDF: 929342.7/62

In: 1329.452+/-0.156 χ^2/NDF:772740.4/52

Out: 1331.117+/-0.153 χ^2/NDF:170023.1/57

All: 1330.301+/-0.109 χ^2/NDF: 942821.6/110


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 1012.546+/-217.054 χ²/NDF: 36.5/29
Left Out: 394.522+/-144.562 χ²/NDF:41.8/24
Right Out: -1162.591+/-231.908 χ²/NDF: 43.1/32
Left In: -44.766+/-152.332 χ²/NDF:27.6/22
Left: 186.367+/-104.860 χ²/NDF: 73.8/47
Right: -3.136+/-158.471 χ²/NDF: 126.5/62
In: 304.150+/-124.688 χ²/NDF:80.0/52
Out: -41.217+/-122.678 χ²/NDF:117.4/57
All: 128.661+/-87.449 χ²/NDF: 201.3/110



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

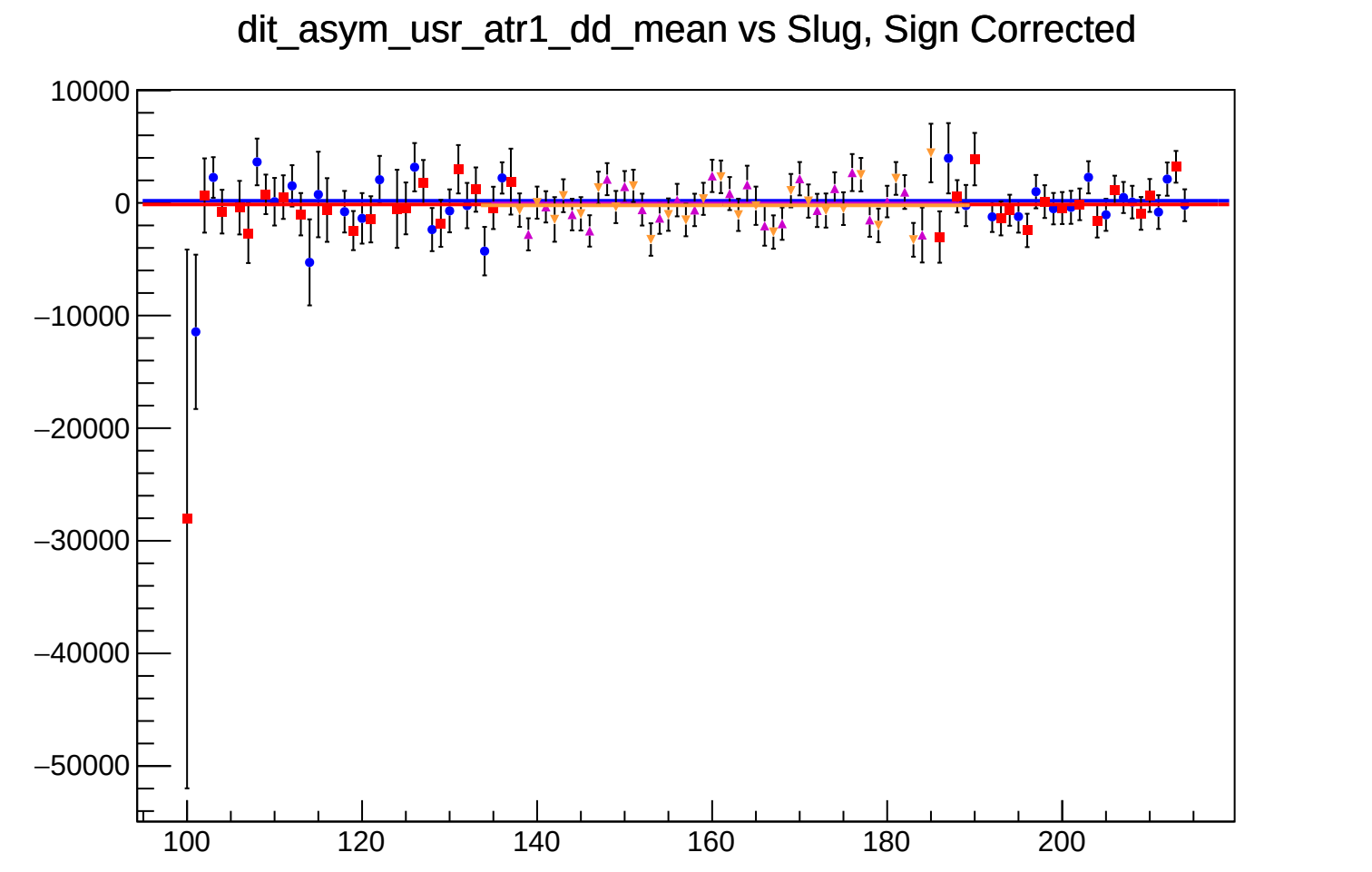
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 899.301+/-0.112 χ^2/NDF: 8241310.0/62

In: 716.197+/-0.088 χ^2/NDF:6385562.2/52

Out: 710.235+/-0.087 χ^2/NDF:8149472.2/57

All: 713.168+/-0.062 χ^2/NDF: 14537358.1/1



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

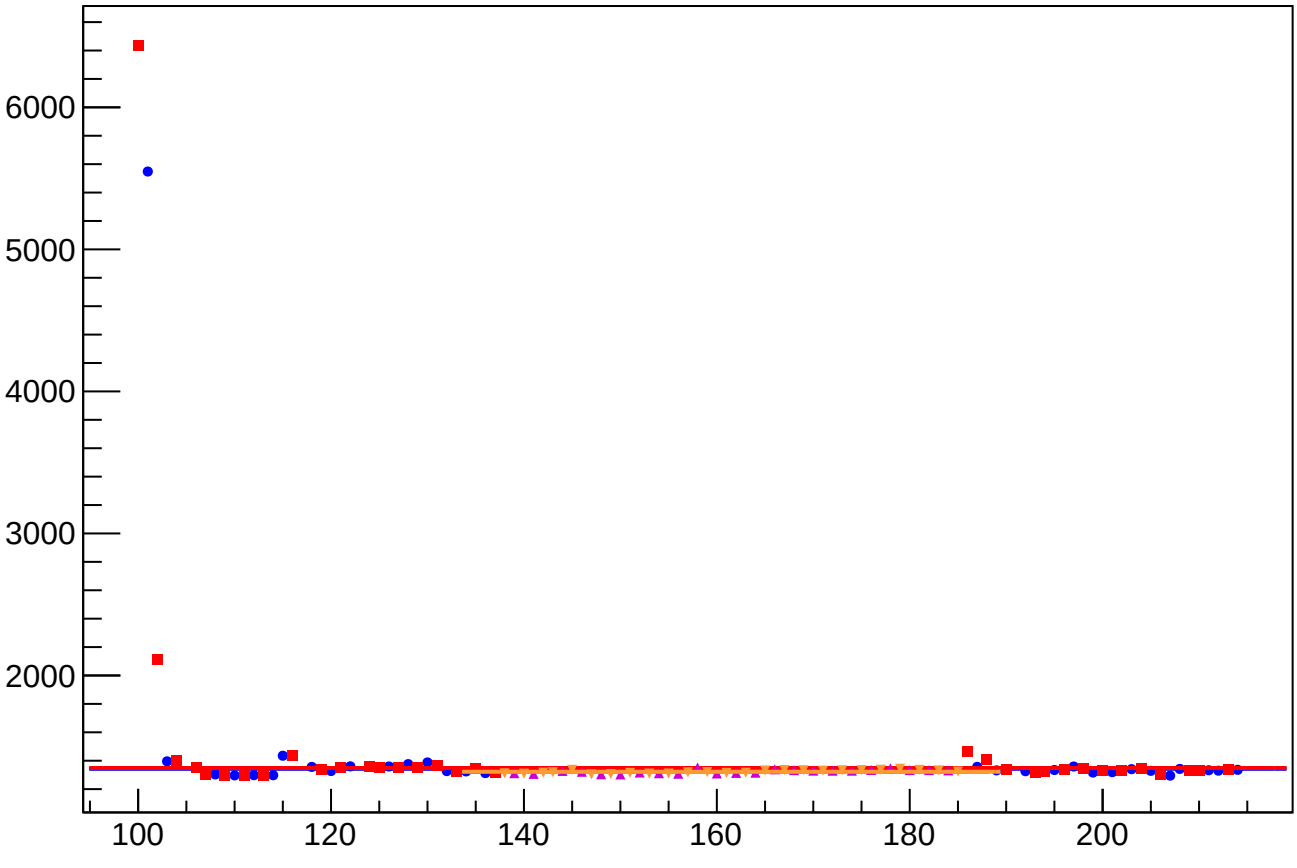
Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

Right: 25.543+/-223.028 χ^2/NDF: 58.0/62

In: 66.312+/-221.254 χ^2/NDF:59.1/52

Out: -176.635+/-217.014 χ^2/NDF:57.7/57

All: -57.511+/-154.930 χ^2/NDF: 117.5/110



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

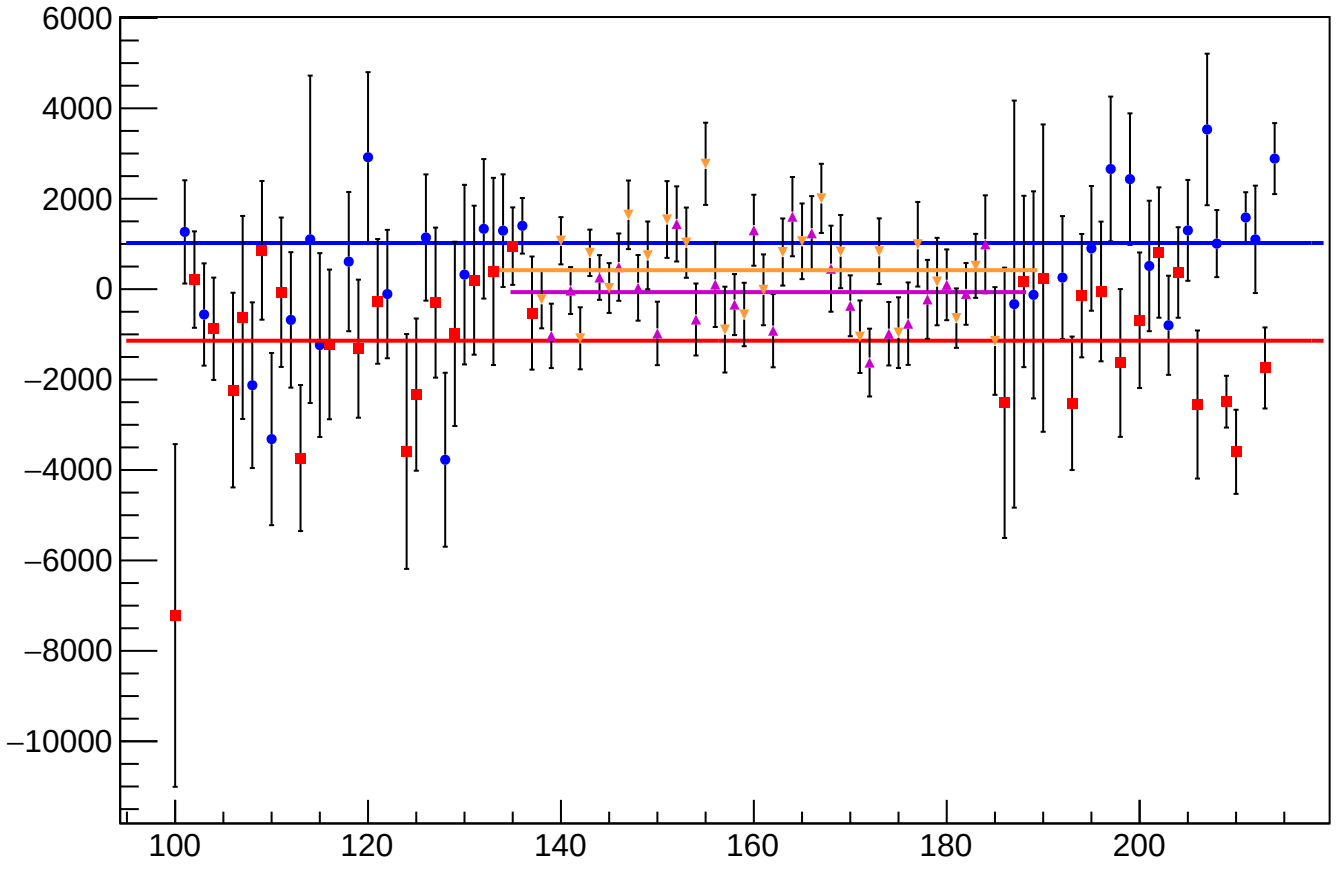
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1345.893+/-0.158 χ^2/NDF: 988230.5/62

In: 1332.991+/-0.156 χ^2/NDF:775363.7/52

Out: 1334.901+/-0.153 χ^2/NDF:230646.9/57

All: 1333.964+/-0.110 χ^2/NDF: 1006086.5/11



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

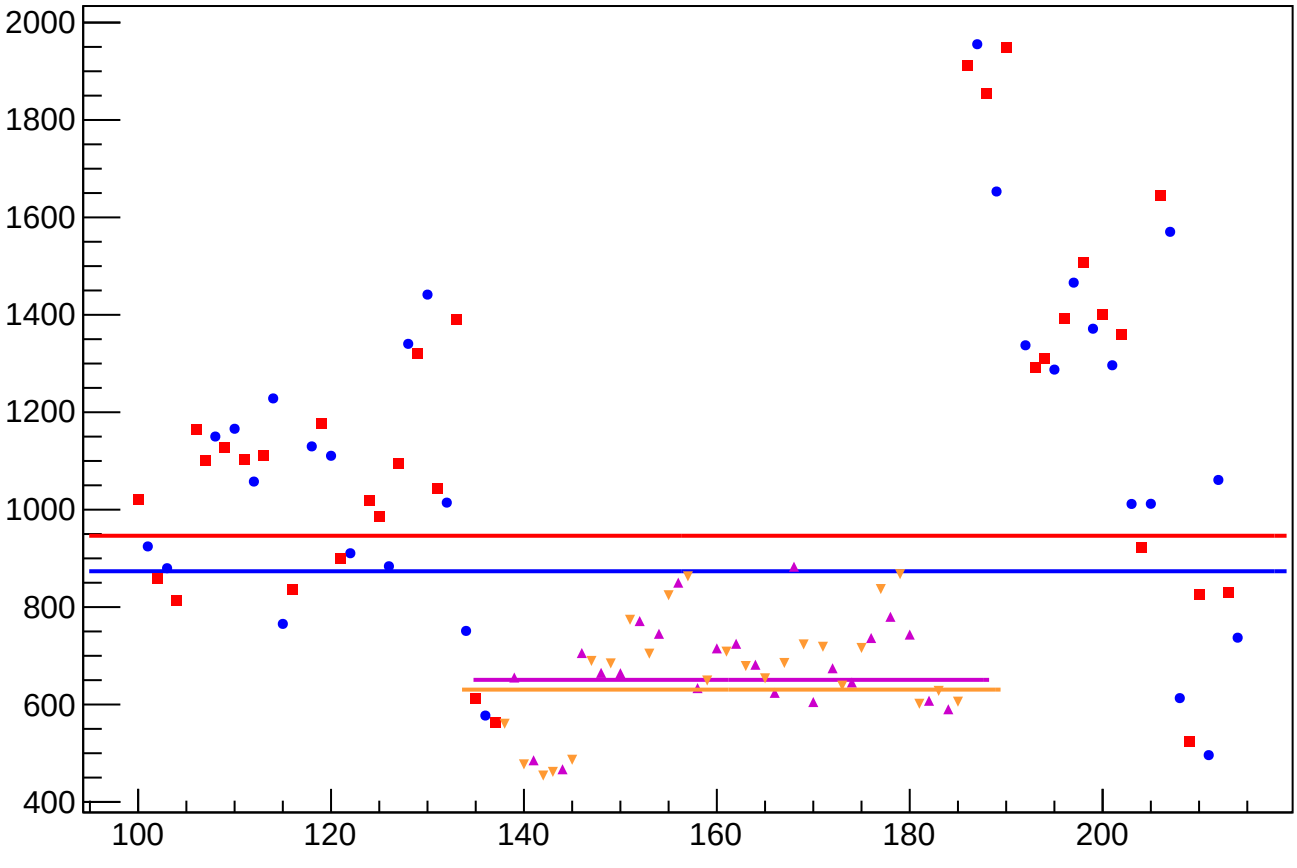
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: 8.167+/-159.749 χ^2/NDF: 120.8/62

In: 294.380+/-126.126 χ^2/NDF:79.2/52

Out: -20.825+/-124.035 χ^2/NDF:113.1/57

All: 134.143+/-88.436 χ^2/NDF: 195.5/110



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

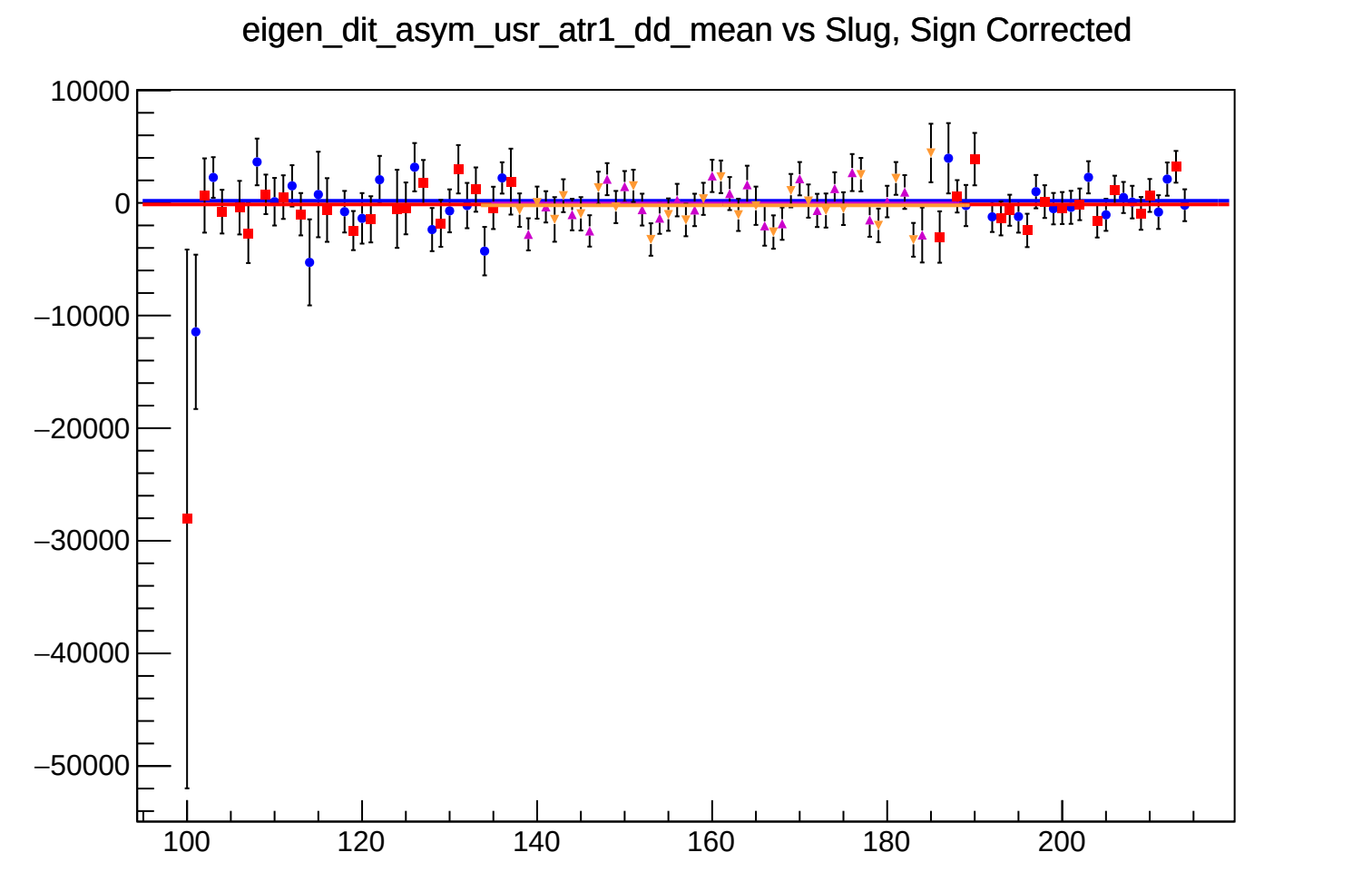
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 907.738+/-0.113 χ^2/NDF: 8486807.7/62

In: 724.477+/-0.089 χ^2/NDF:6445535.9/52

Out: 719.838+/-0.088 χ^2/NDF:8201779.2/57

All: 722.118+/-0.063 χ^2/NDF: 14648690.5/1



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

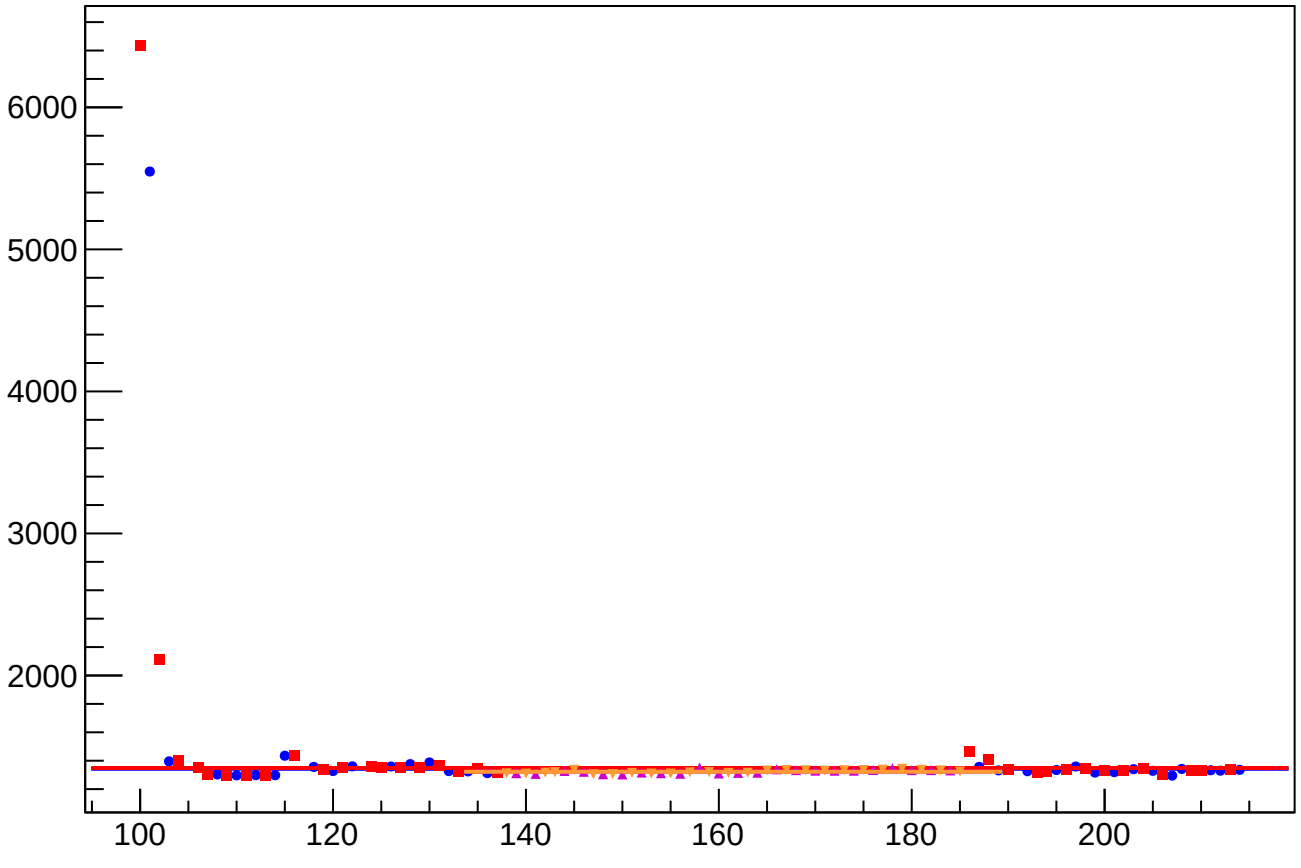
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: 25.544+/-223.028 χ^2/NDF: 58.0/62

In: 66.312+/-221.254 χ^2/NDF:59.1/52

Out: -176.635+/-217.014 χ^2/NDF:57.7/57

All: -57.511+/-154.930 χ^2/NDF: 117.5/110



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

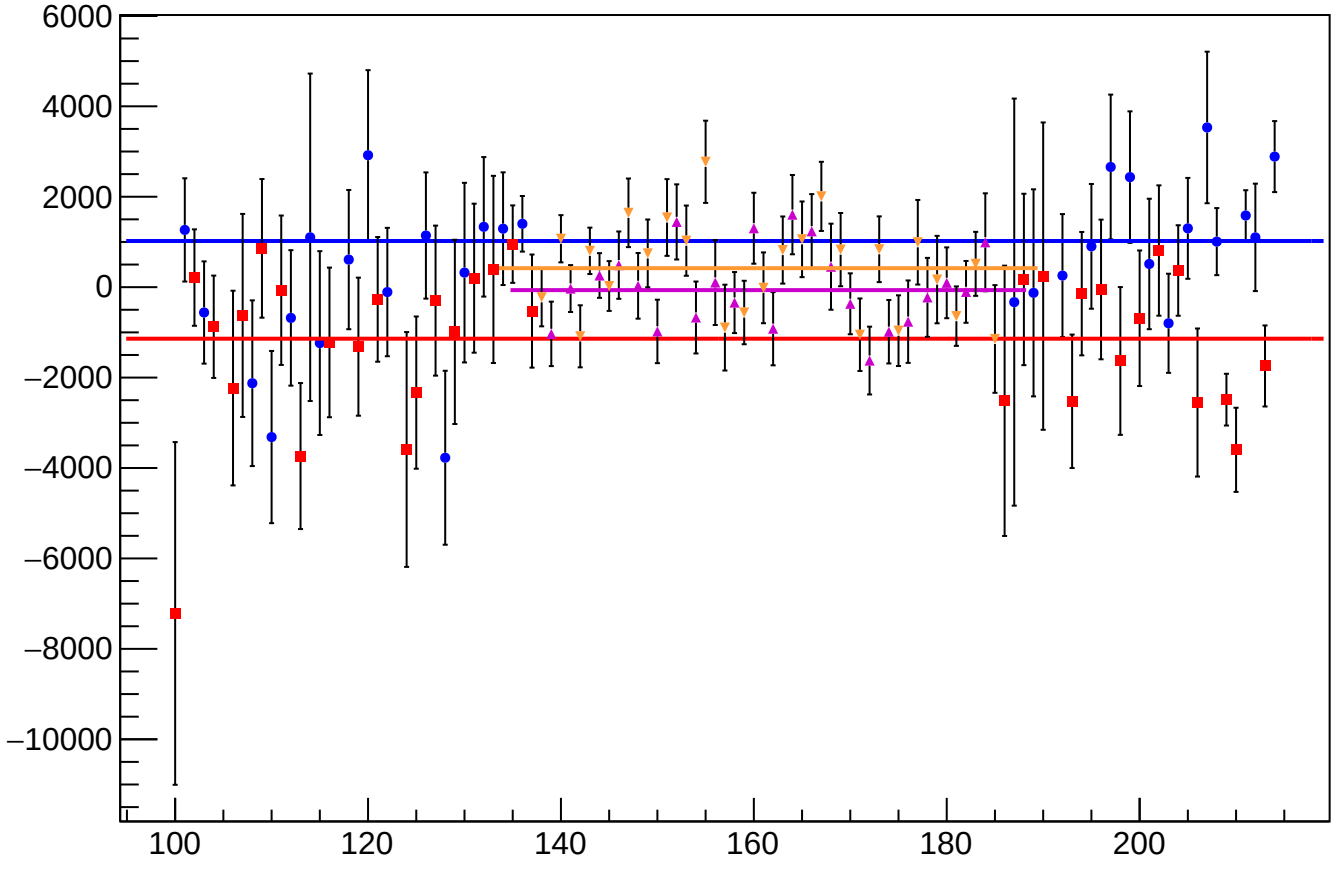
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1345.893+/-0.158 χ^2/NDF: 988230.4/62

In: 1332.991+/-0.156 χ^2/NDF:775363.6/52

Out: 1334.901+/-0.153 χ^2/NDF:230646.8/57

All: 1333.964+/-0.110 χ^2/NDF: 1006086.4/11



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

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

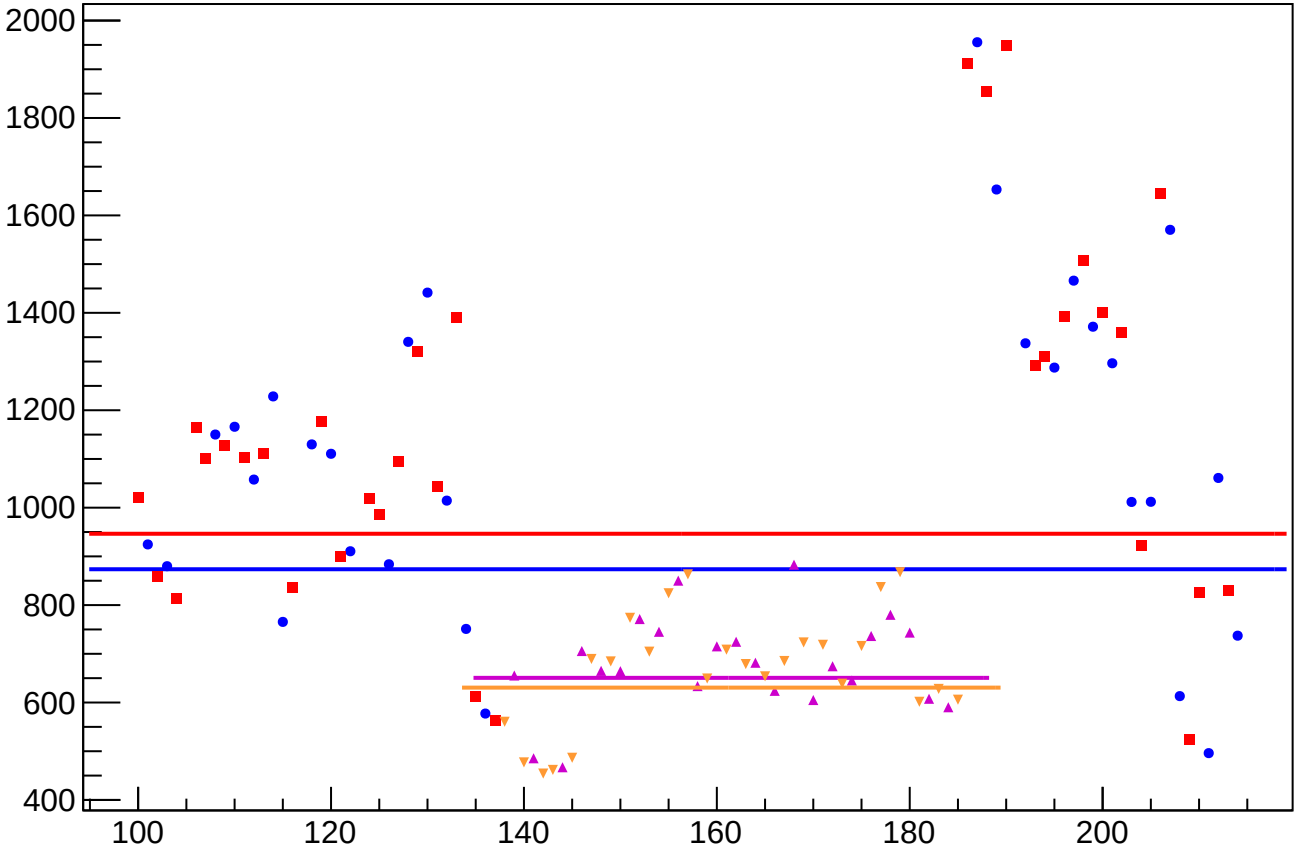
Right: 8.164+/-159.749 χ^2/NDF: 120.8/62

In: 294.381+/-126.126 χ^2/NDF:79.2/52

Out: -20.827+/-124.035 χ^2/NDF:113.1/57

All: 134.142+/-88.436 χ^2/NDF: 195.5/110

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

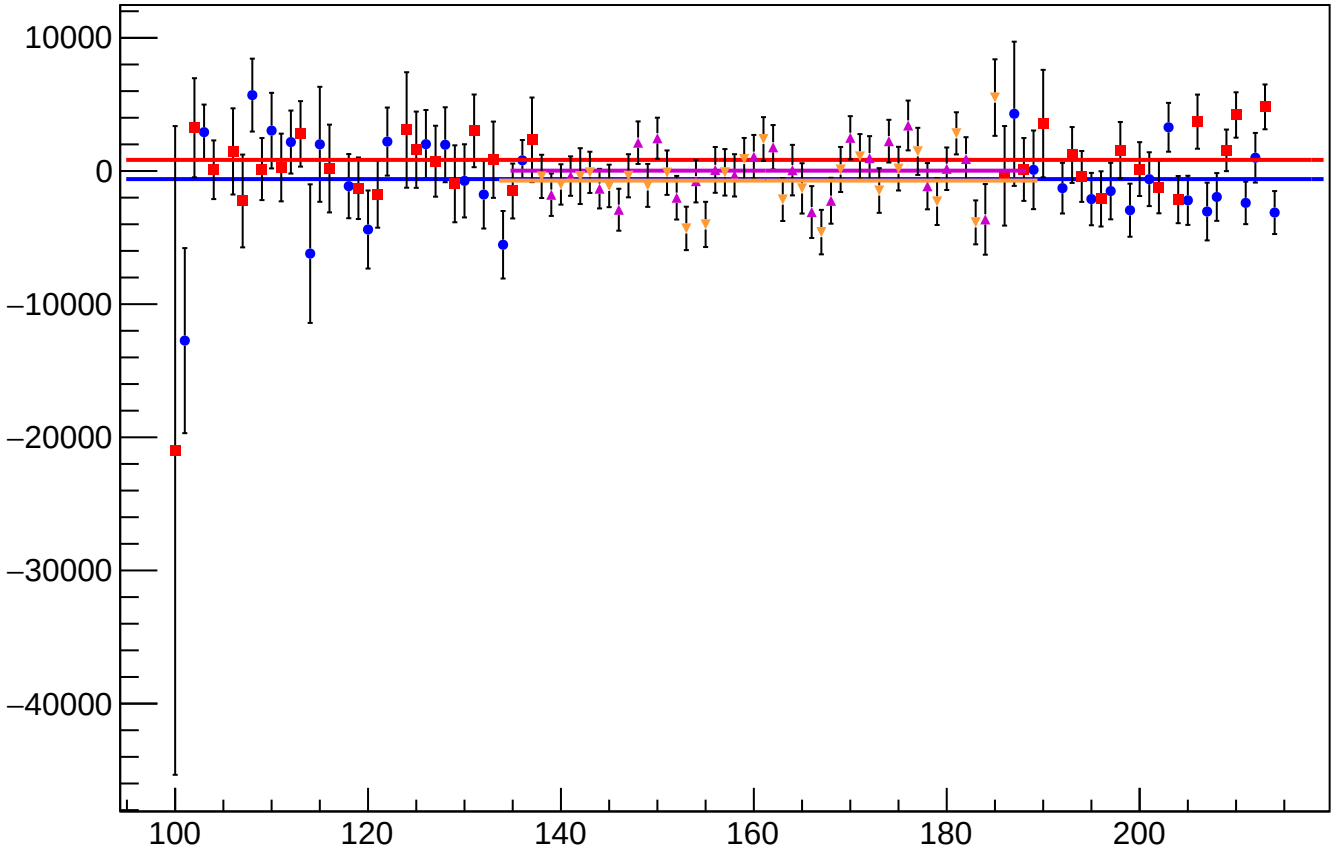
Right: 907.737+/-0.113 χ^2/NDF: 8486823.7/62

In: 724.478+/-0.089 χ^2/NDF:6445518.4/52

Out: 719.838+/-0.088 χ^2/NDF:8201785.9/57

All: 722.119+/-0.063 χ^2/NDF: 14648680.1/11

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



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

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

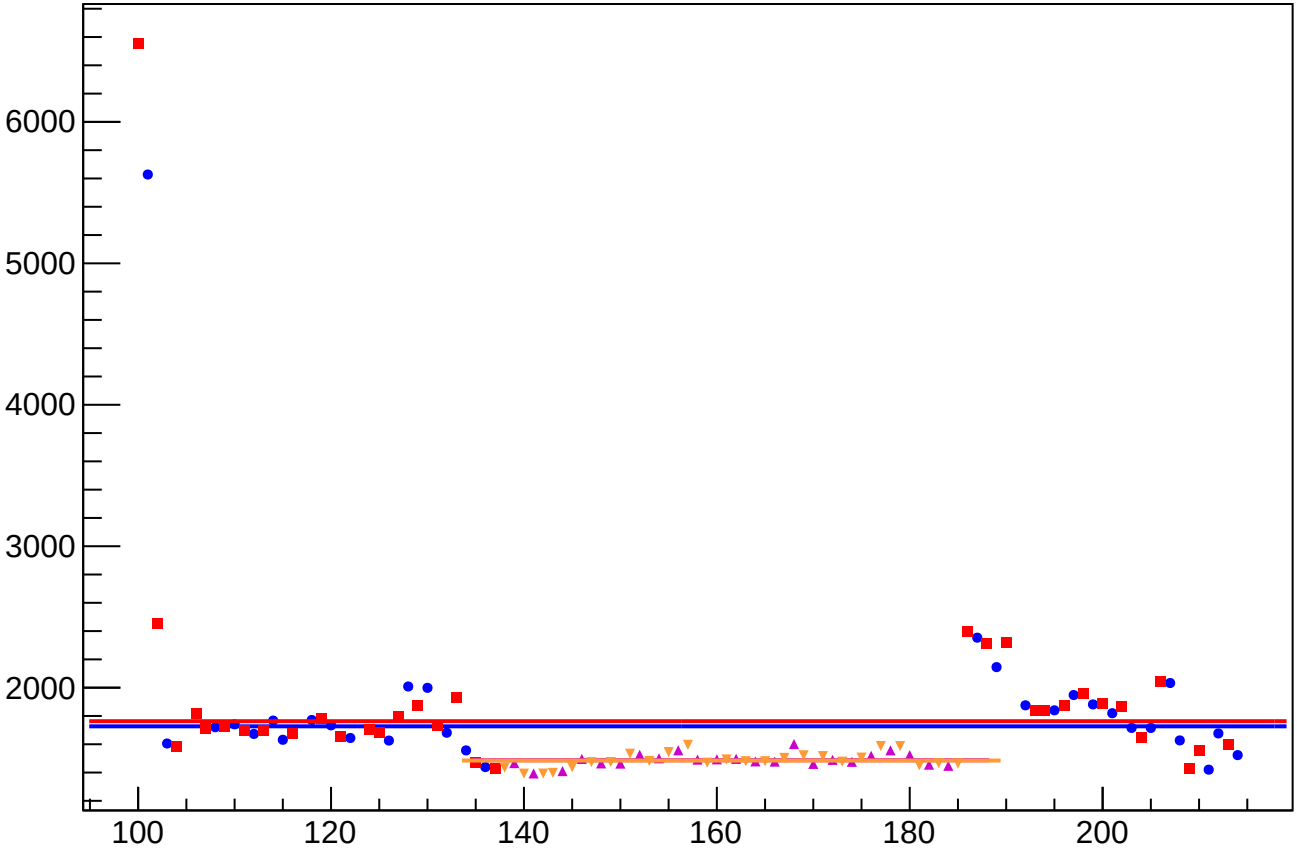
Right: 108.318+/-290.924 χ^2/NDF: 72.9/62

In: -238.089+/-265.028 χ^2/NDF:69.5/52

Out: -96.026+/-261.367 χ^2/NDF:72.9/57

All: -166.069+/-186.095 χ^2/NDF: 142.5/110

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



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

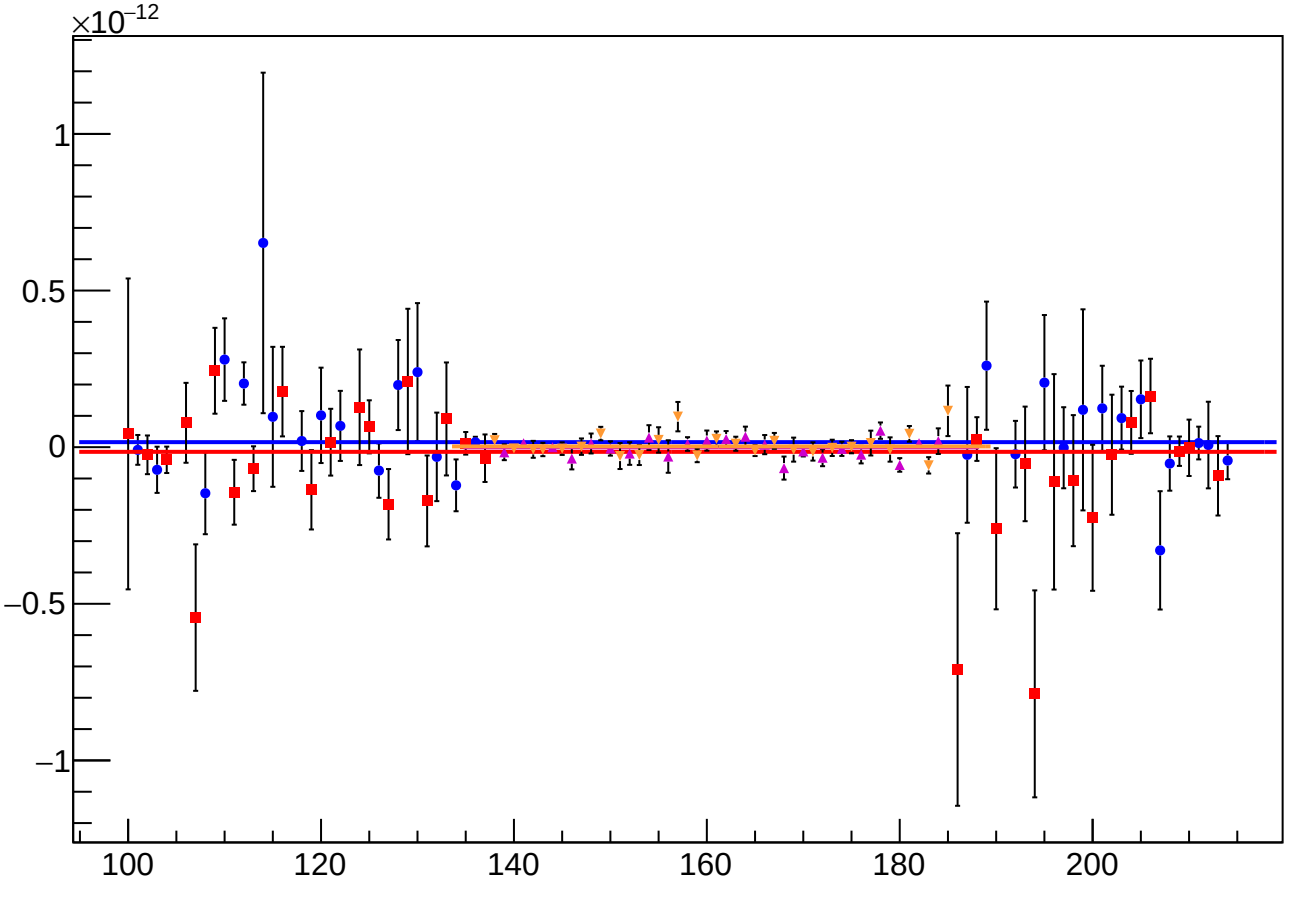
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1744.752+/-0.206 χ^2/NDF: 1725718.1/62

In: 1587.287+/-0.187 χ^2/NDF:1475009.8/52

Out: 1596.344+/-0.185 χ^2/NDF:1269997.8/57

All: 1591.878+/-0.132 χ^2/NDF: 2746191.9/11



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

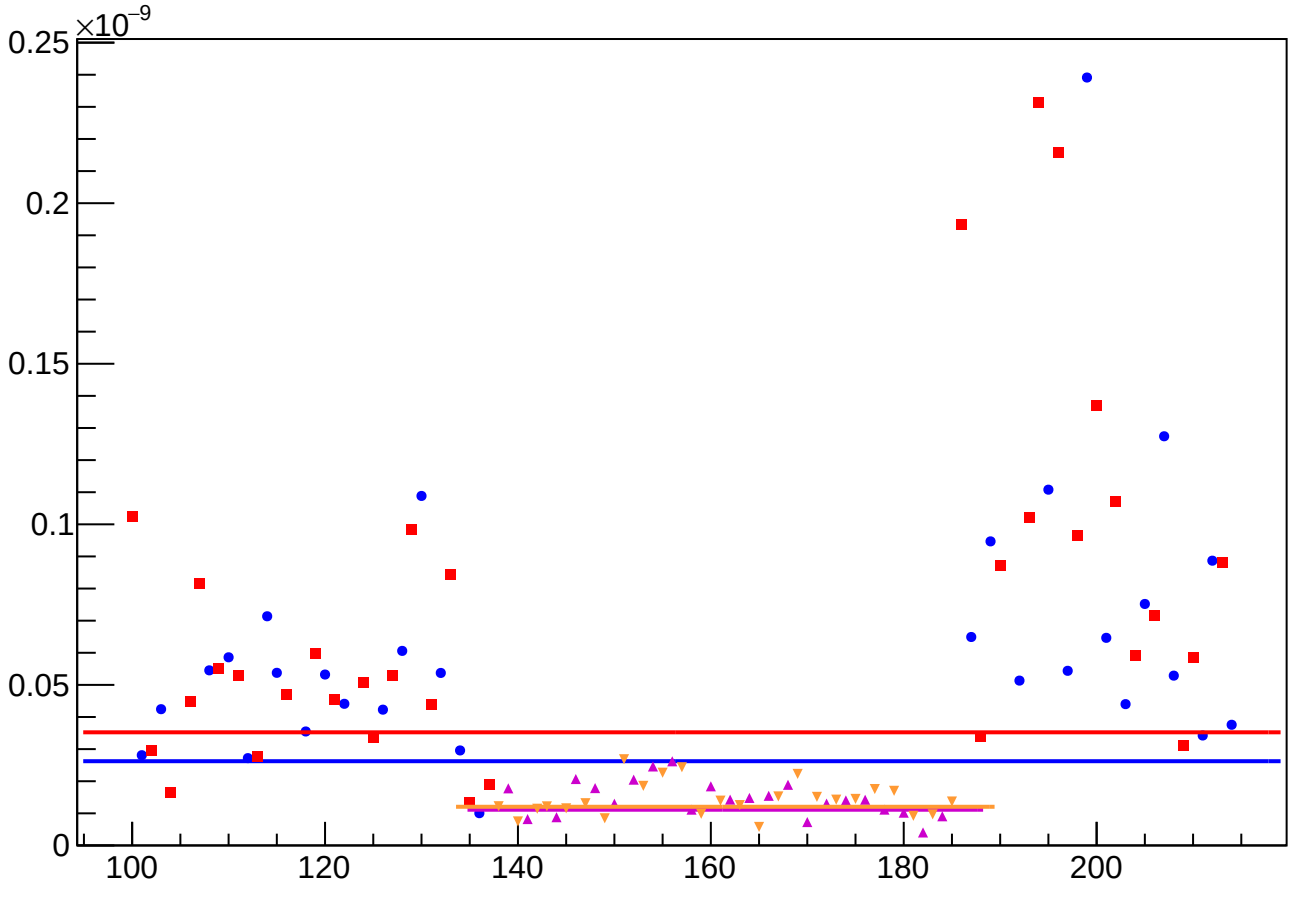
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 71.0/62

In: 0.000+/-0.000 χ^2/NDF:59.8/52

Out: 0.000+/-0.000 χ^2/NDF:61.7/57

All: 0.000+/-0.000 χ^2/NDF: 121.6/110



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

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

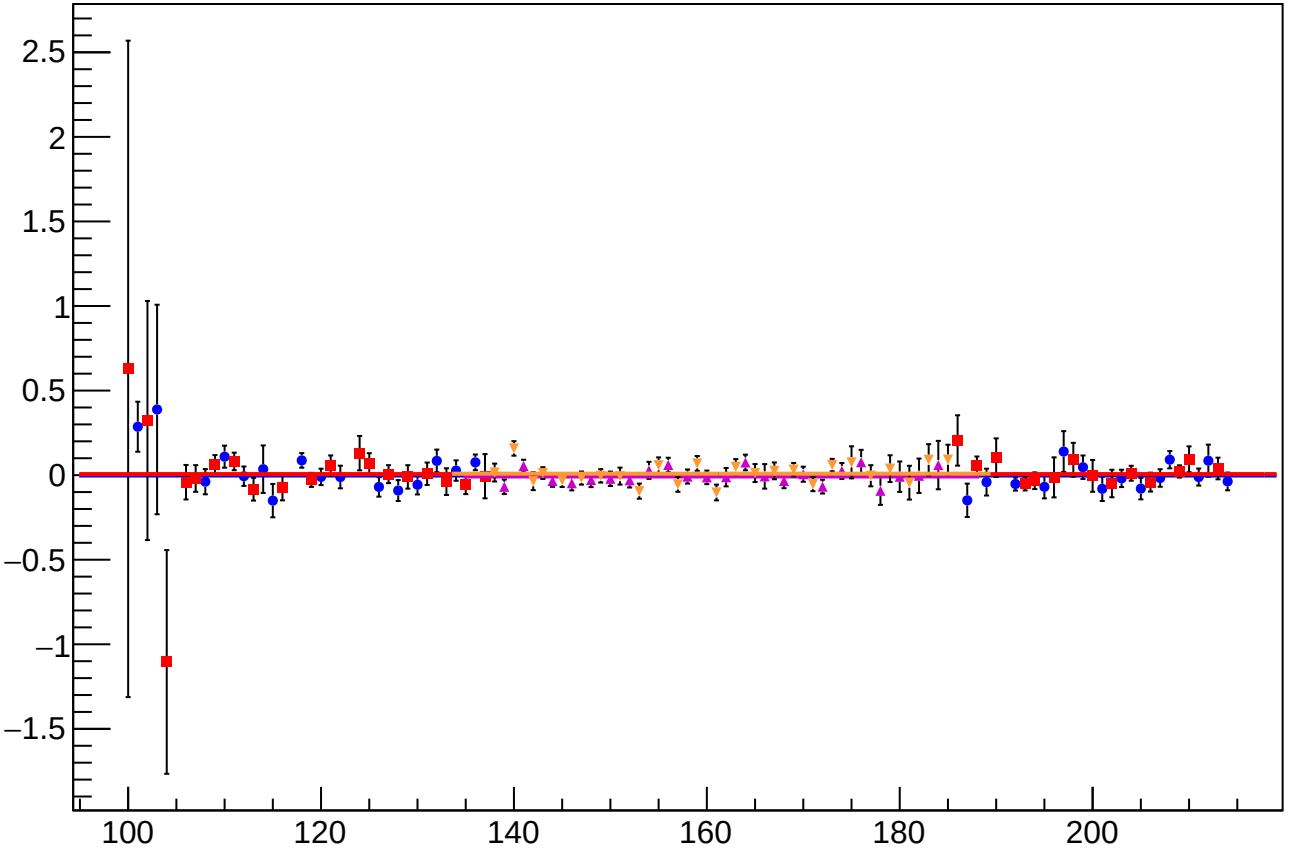
Right: 0.000+/-0.000 χ^2/NDF: 12096374.6/62

In: 0.000+/-0.000 χ^2/NDF:10891782.1/52

Out: 0.000+/-0.000 χ^2/NDF:10818077.8/57

All: 0.000+/-0.000 χ^2/NDF: 21760302.5/110

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

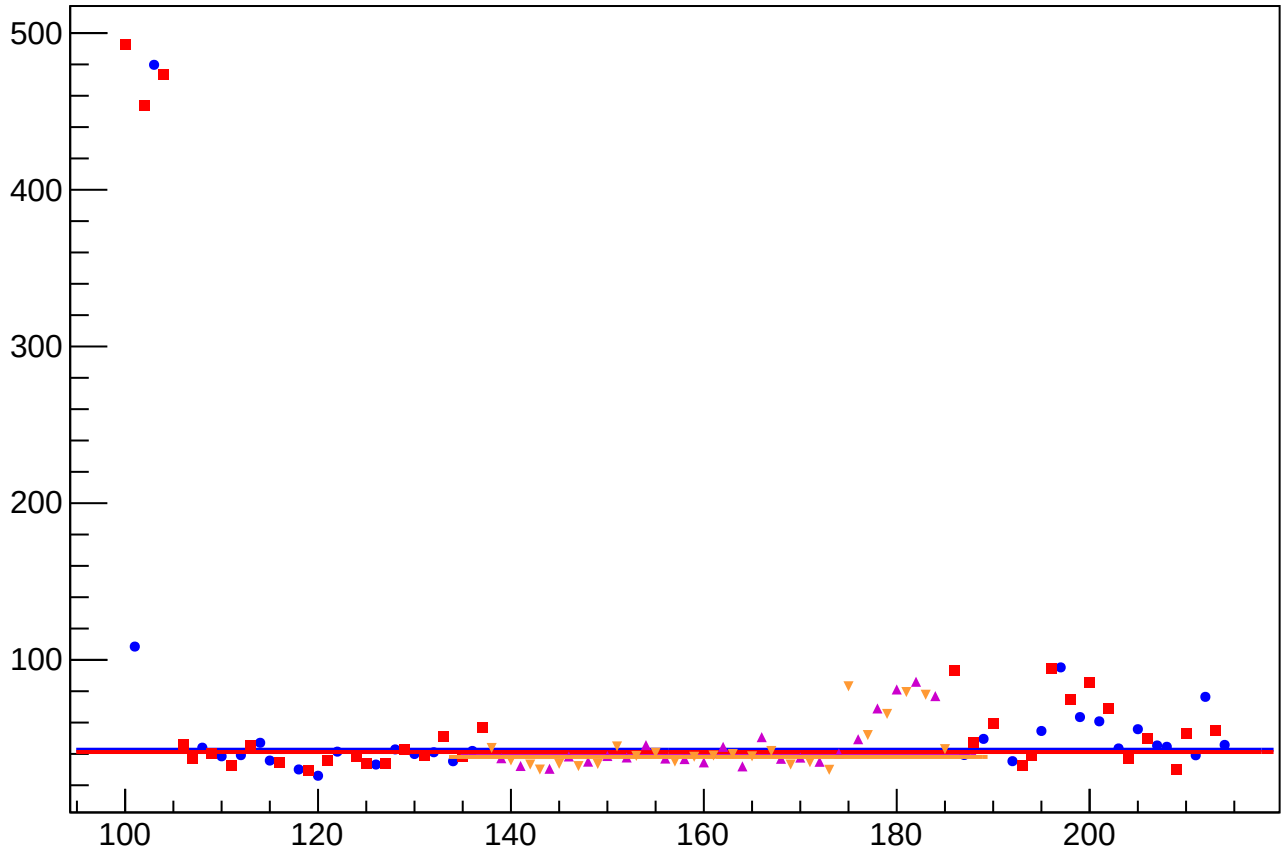
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.002+/-0.008 χ^2/NDF: 62.7/62

In: -0.005+/-0.007 χ^2/NDF:56.7/52

Out: 0.008+/-0.007 χ^2/NDF:63.4/57

All: 0.001+/-0.005 χ^2/NDF: 121.7/110



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

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

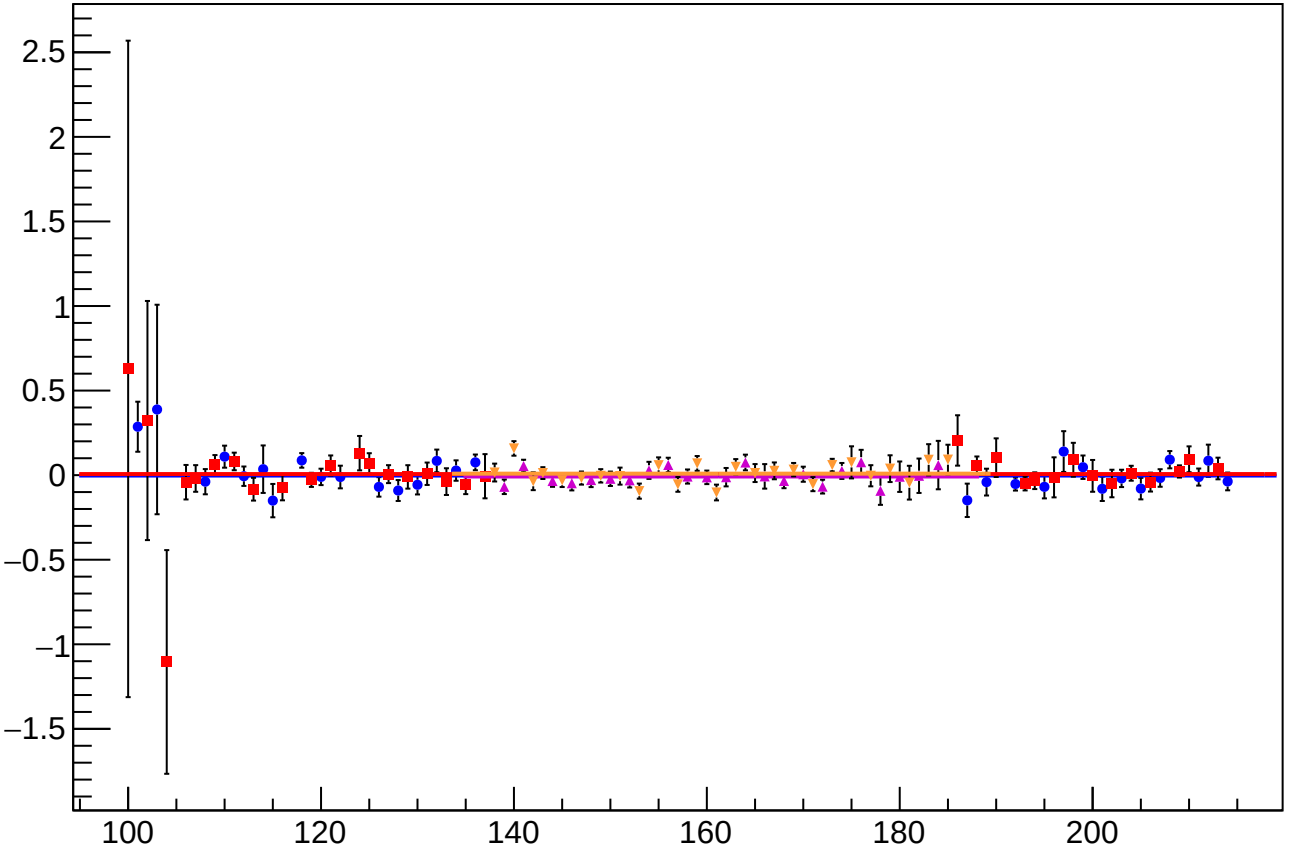
Right: 41.937+/-0.006 χ^2/NDF: 7312680.2/62

In: 40.384+/-0.005 χ^2/NDF:4986365.6/52

Out: 39.383+/-0.005 χ^2/NDF:6238784.1/57

All: 39.872+/-0.004 χ^2/NDF: 11243583.9/110

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

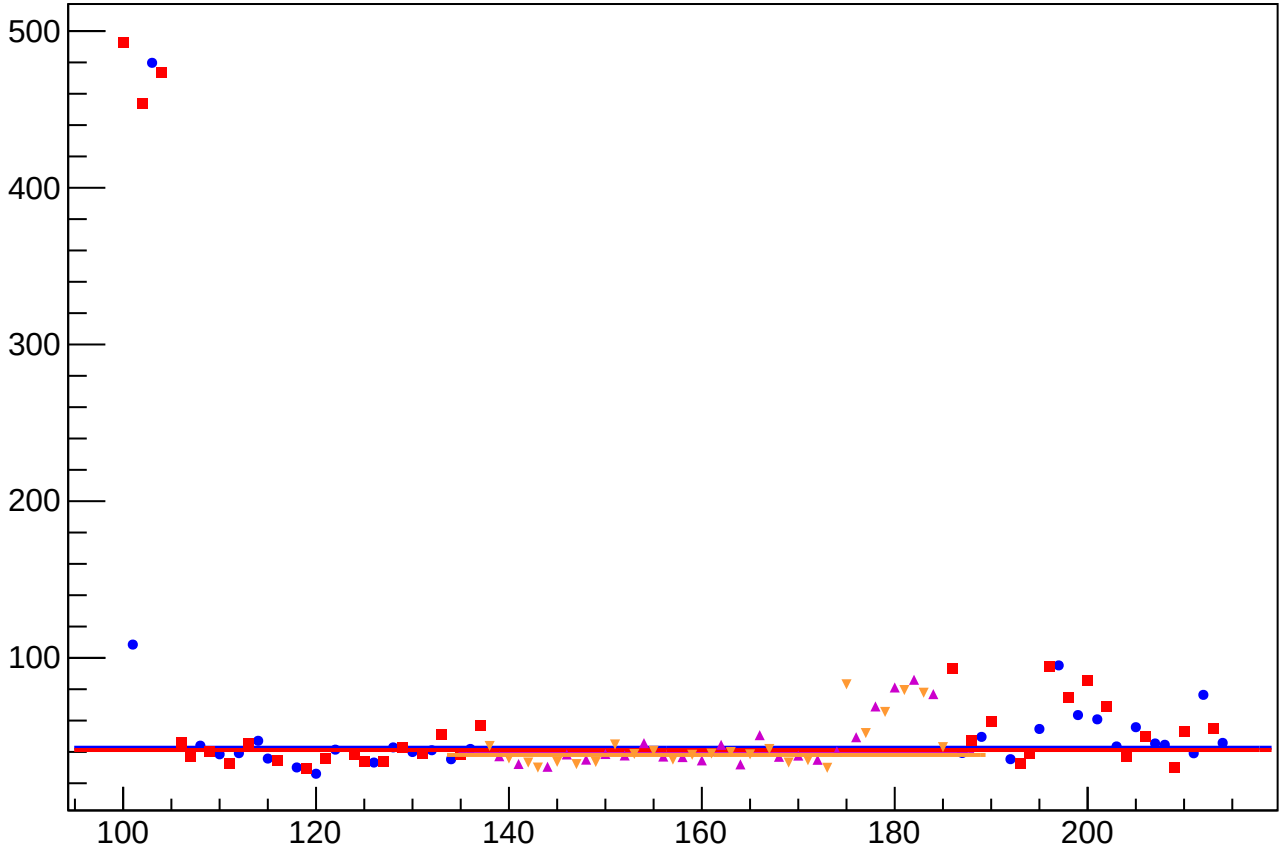
Right: 0.002+/-0.008 χ^2/NDF: 62.7/62

In: -0.005+/-0.007 χ^2/NDF:56.7/52

Out: 0.008+/-0.007 χ^2/NDF:63.4/57

All: 0.001+/-0.005 χ^2/NDF: 121.7/110

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

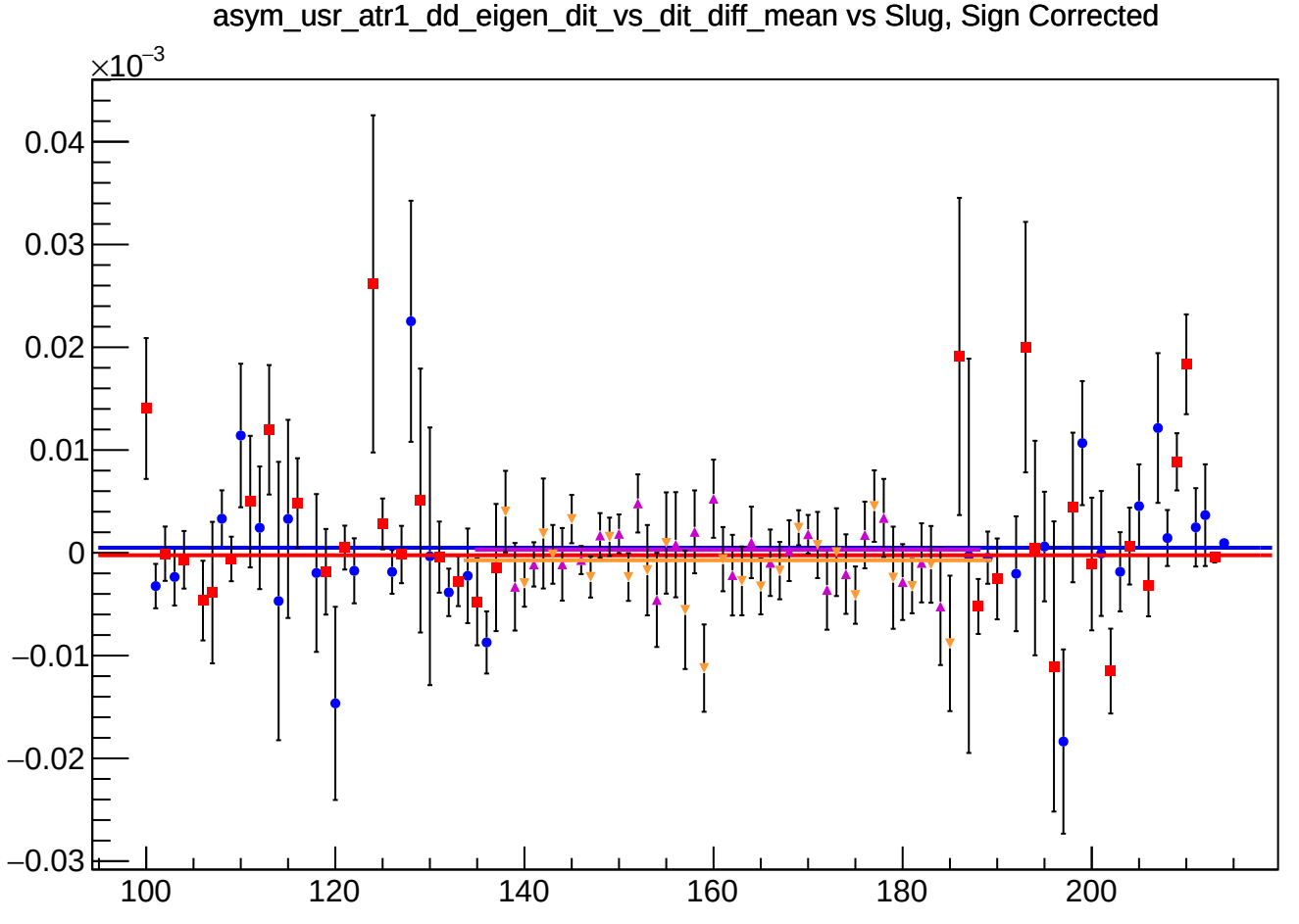
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.937+/-0.006 χ^2/NDF: 7312680.2/62

In: 40.384+/-0.005 χ^2/NDF:4986365.6/52

Out: 39.383+/-0.005 χ^2/NDF:6238784.1/57

All: 39.872+/-0.004 χ^2/NDF: 11243583.9/110



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

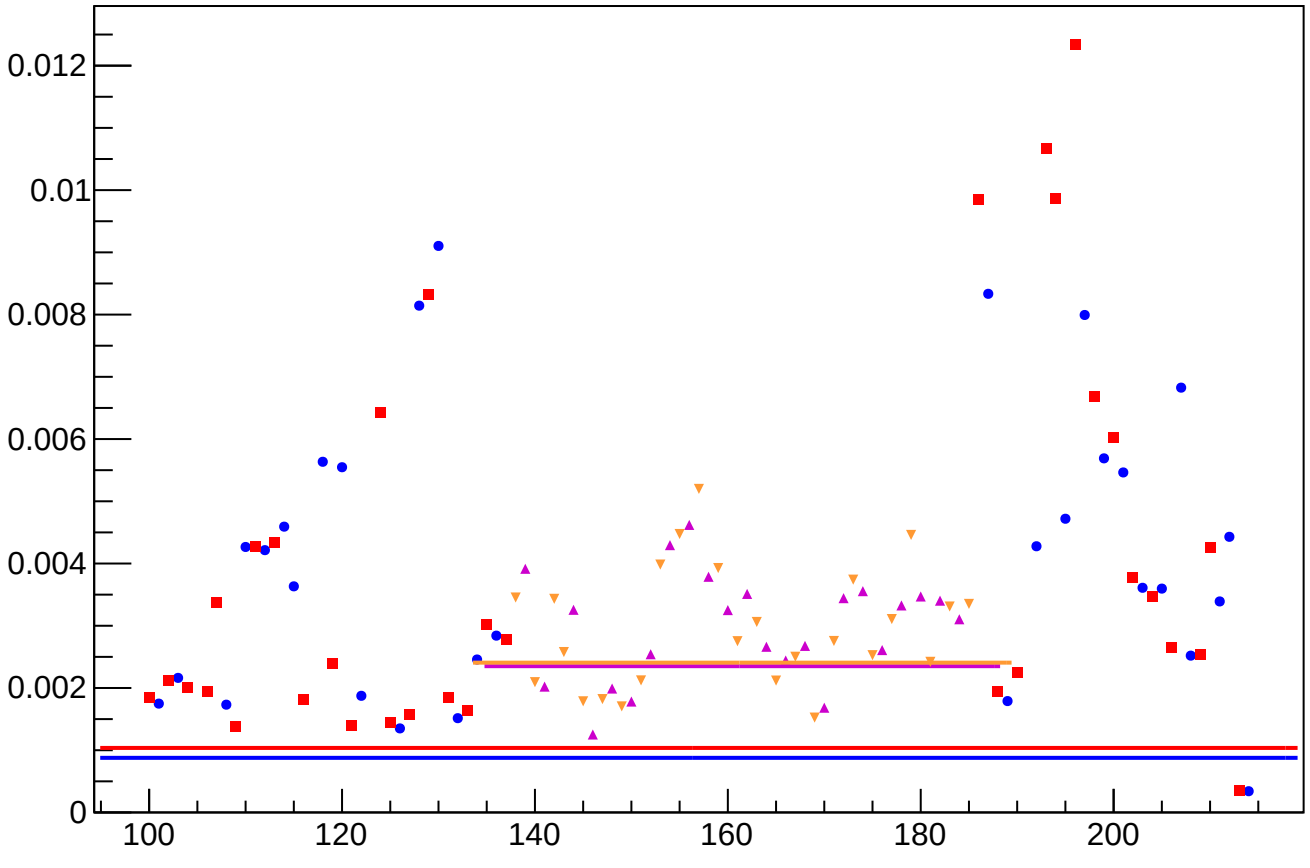
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: 0.000+/-0.000 χ^2/NDF: 106.2/62

In: 0.000+/-0.000 χ^2/NDF:56.4/52

Out: -0.000+/-0.000 χ^2/NDF:88.8/57

All: 0.000+/-0.000 χ^2/NDF: 148.7/110



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

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

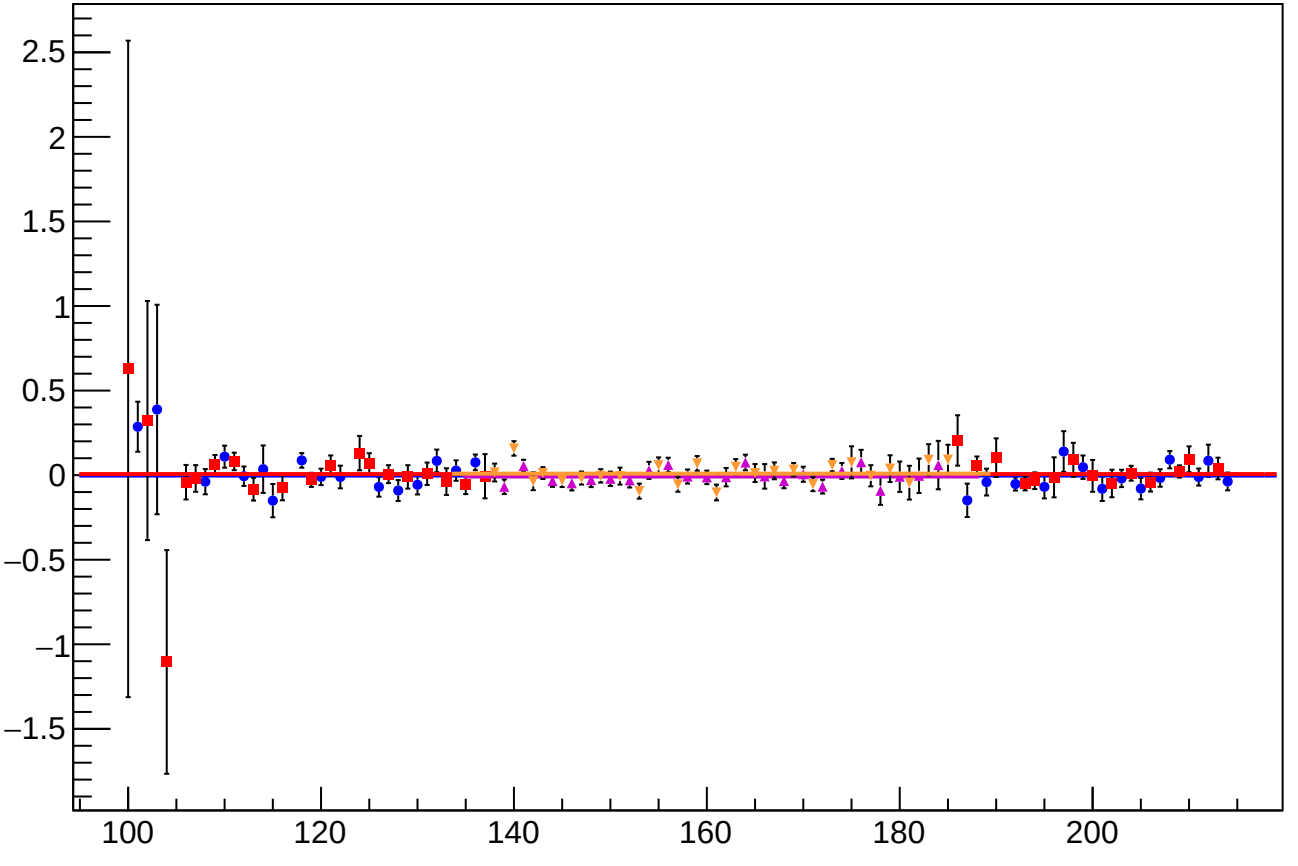
Right: 0.001+/-0.000 χ^2/NDF: 41731425.4/62

In: 0.001+/-0.000 χ^2/NDF:35682032.2/52

Out: 0.001+/-0.000 χ^2/NDF:30676237.6/57

All: 0.001+/-0.000 χ^2/NDF: 66765595.3/110

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

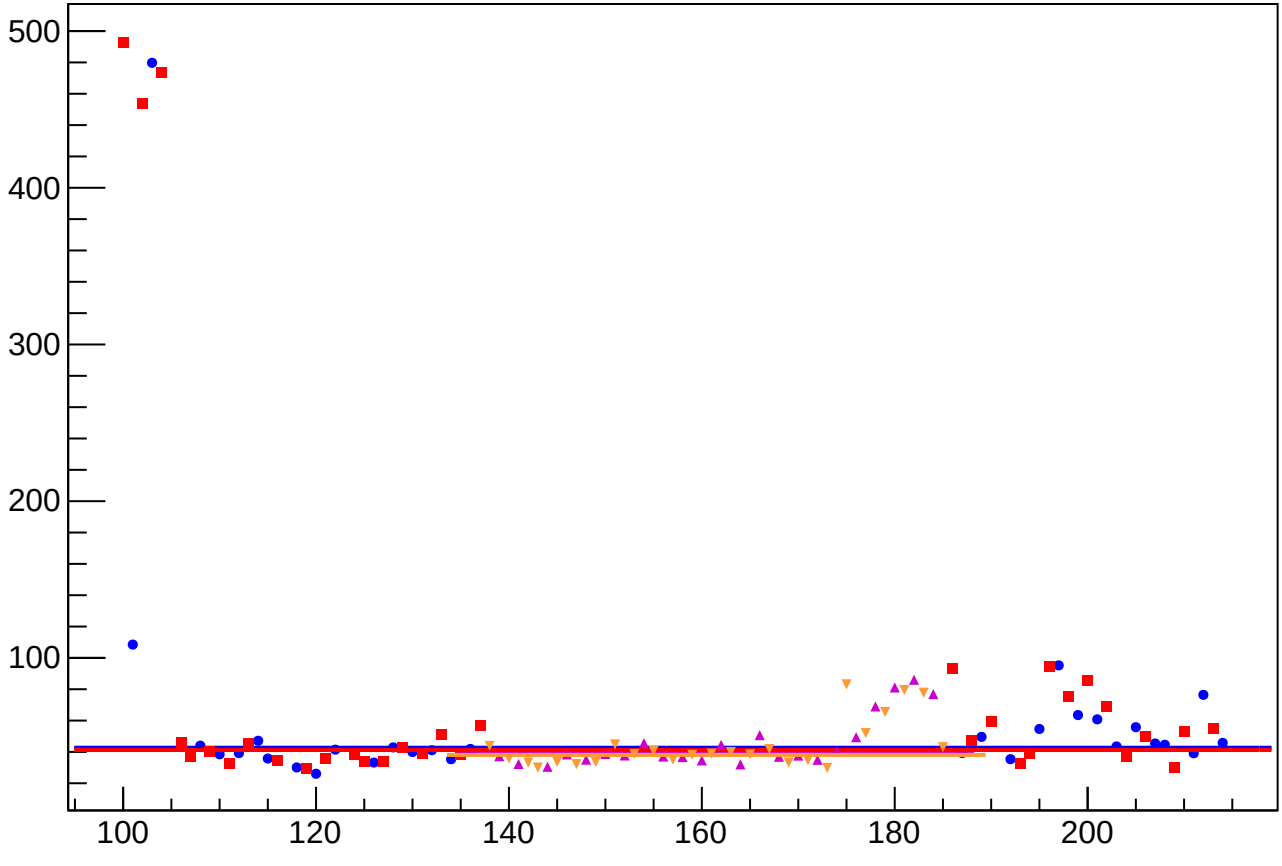
Right: 0.002+/-0.008 χ^2/NDF: 62.7/62

In: -0.005+/-0.007 χ^2/NDF:56.7/52

Out: 0.008+/-0.007 χ^2/NDF:63.4/57

All: 0.001+/-0.005 χ^2/NDF: 121.7/110

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

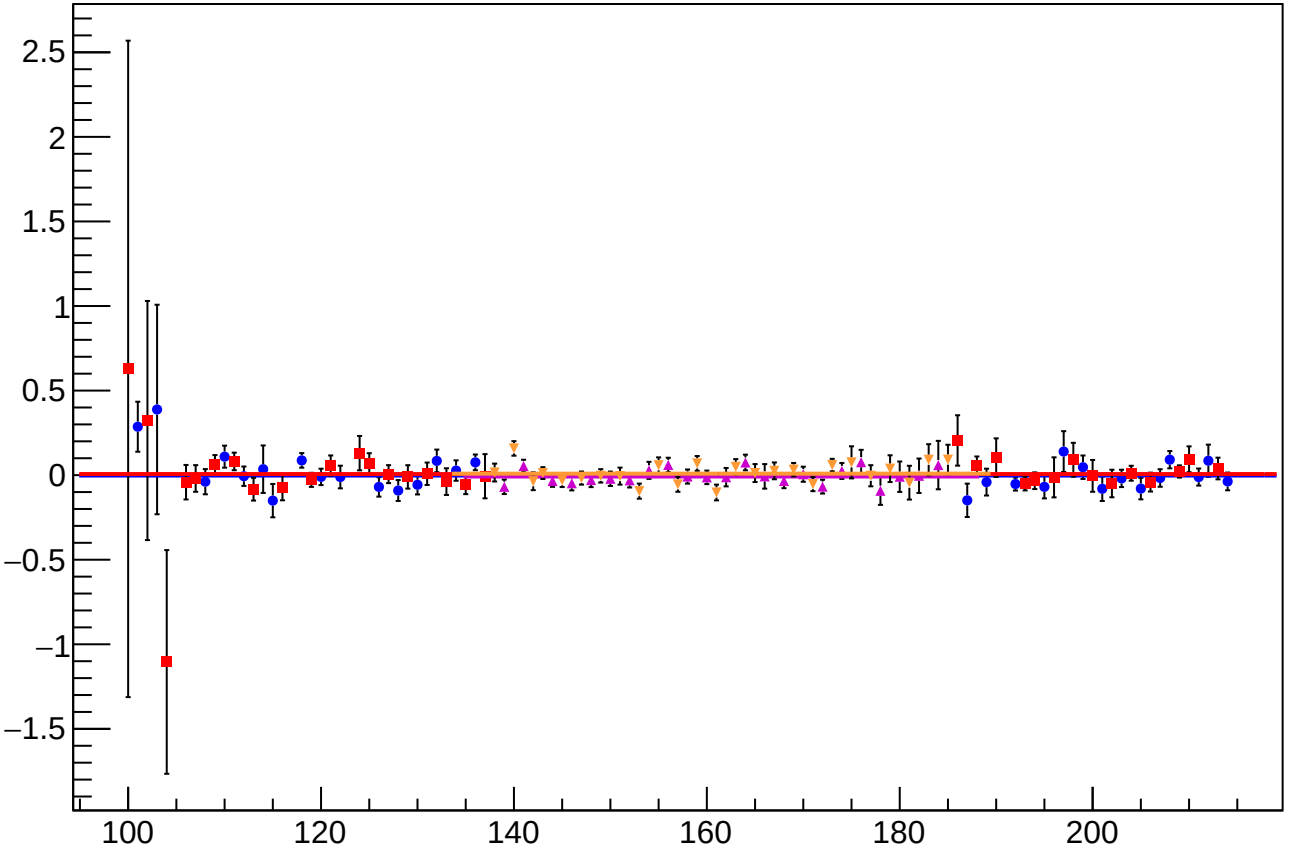
Right: 41.935+/-0.006 χ^2/NDF: 7313507.1/62

In: 40.384+/-0.005 χ^2/NDF:4986617.0/52

Out: 39.381+/-0.005 χ^2/NDF:6239173.4/57

All: 39.872+/-0.004 χ^2/NDF: 11244254.6/110

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

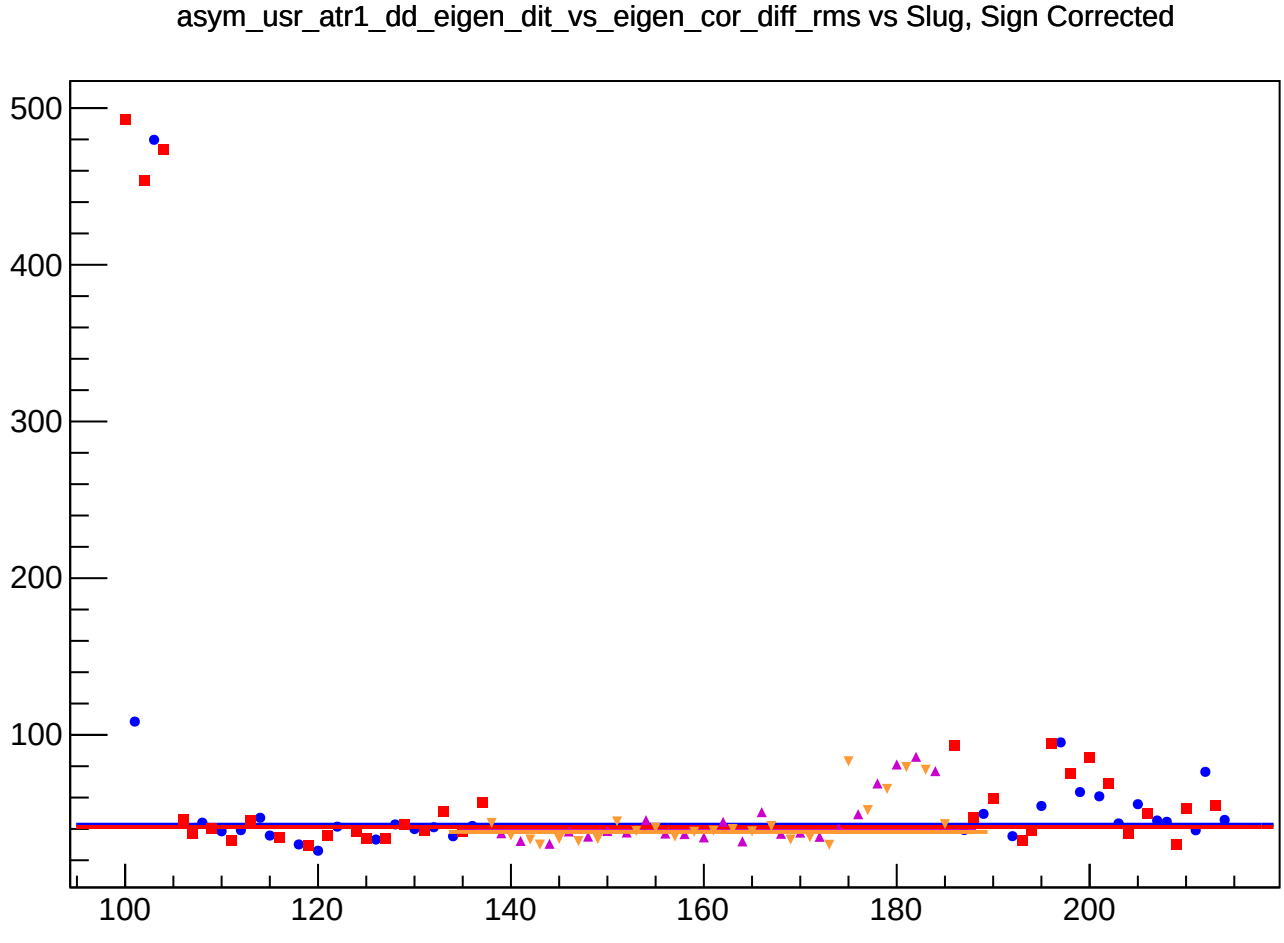
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.002+/-0.008 χ^2/NDF: 62.7/62

In: -0.005+/-0.007 χ^2/NDF:56.7/52

Out: 0.008+/-0.007 χ^2/NDF:63.4/57

All: 0.001+/-0.005 χ^2/NDF: 121.7/110



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

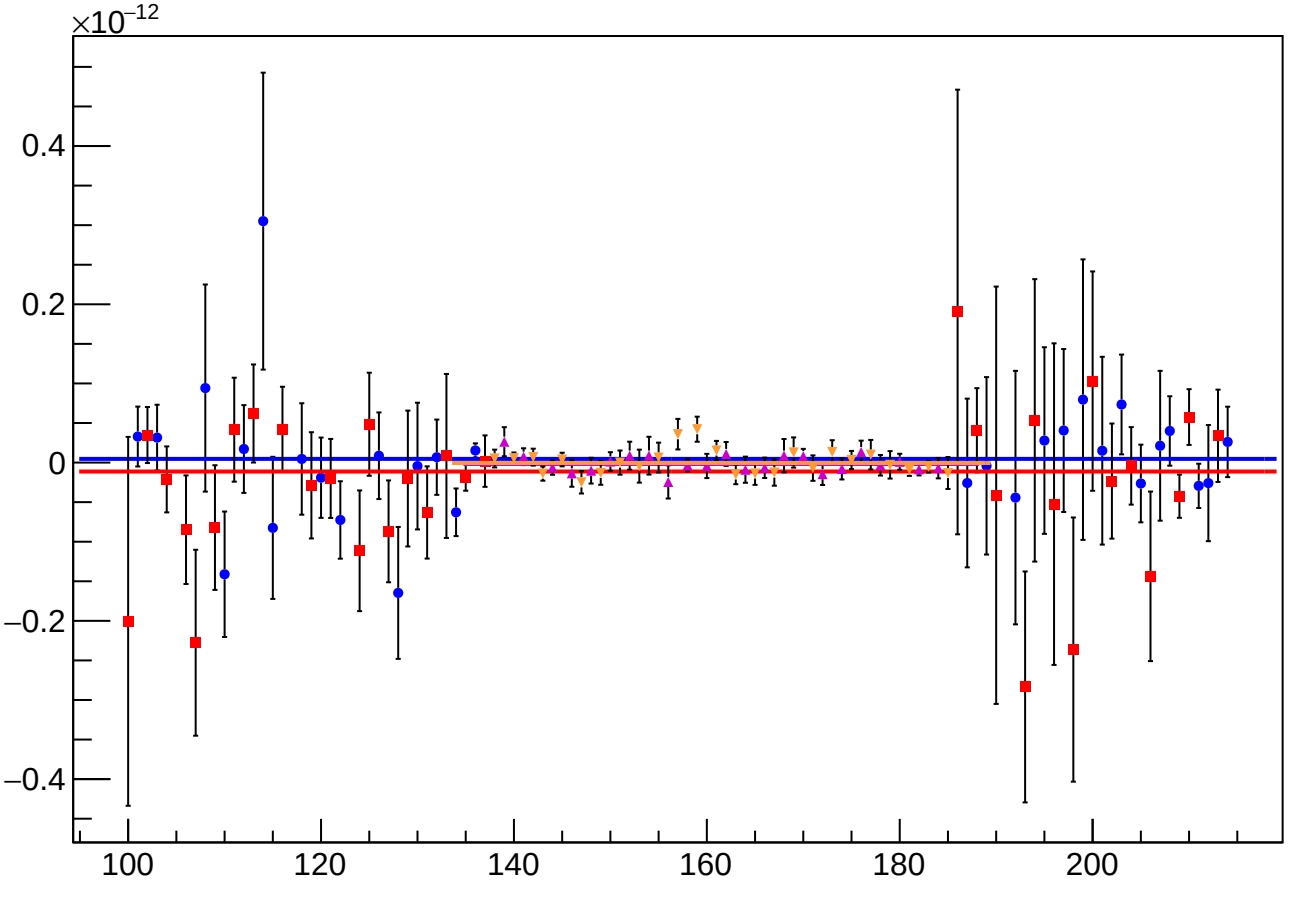
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 41.935+/-0.006 χ^2/NDF: 7313507.1/62

In: 40.384+/-0.005 χ^2/NDF:4986617.0/52

Out: 39.381+/-0.005 χ^2/NDF:6239173.4/57

All: 39.872+/-0.004 χ^2/NDF: 11244254.6/110



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

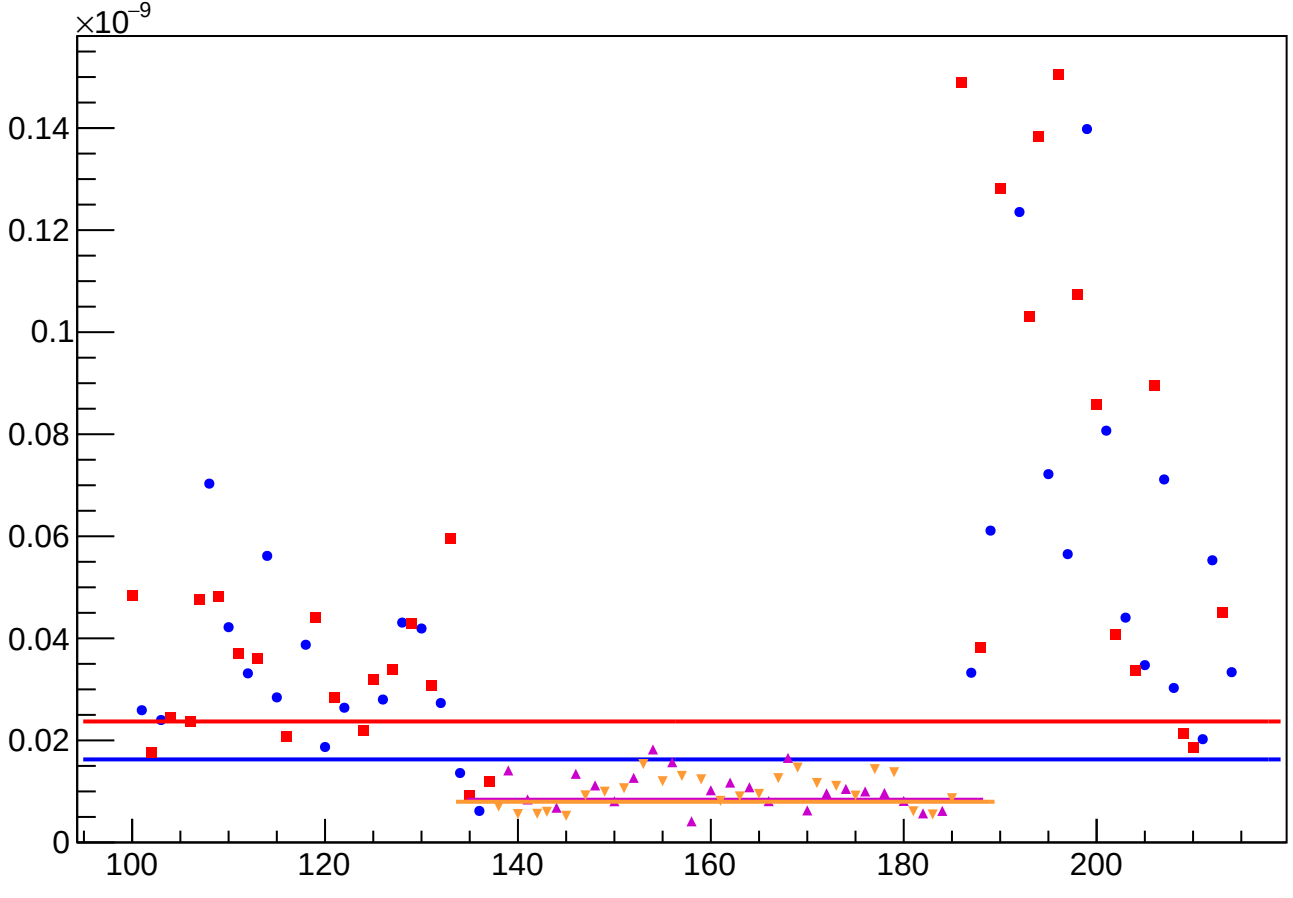
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 59.4/62

In: -0.000+/-0.000 χ^2/NDF:38.7/52

Out: -0.000+/-0.000 χ^2/NDF:59.3/57

All: -0.000+/-0.000 χ^2/NDF: 98.0/110



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

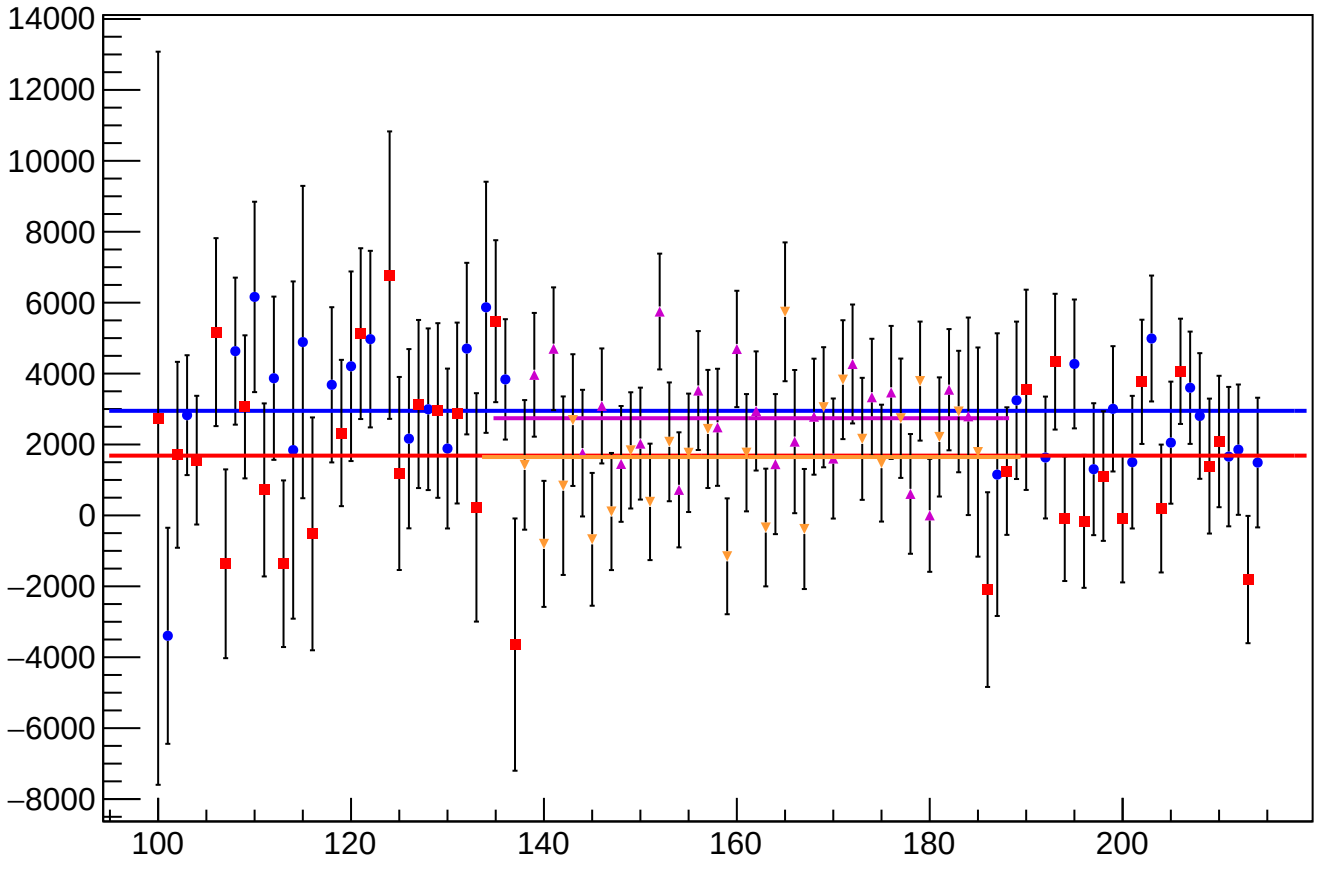
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 19570456.0/62

In: 0.000+/-0.000 χ^2/NDF:15646130.3/52

Out: 0.000+/-0.000 χ^2/NDF:16827106.1/57

All: 0.000+/-0.000 χ^2/NDF: 32488605.6/110



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

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

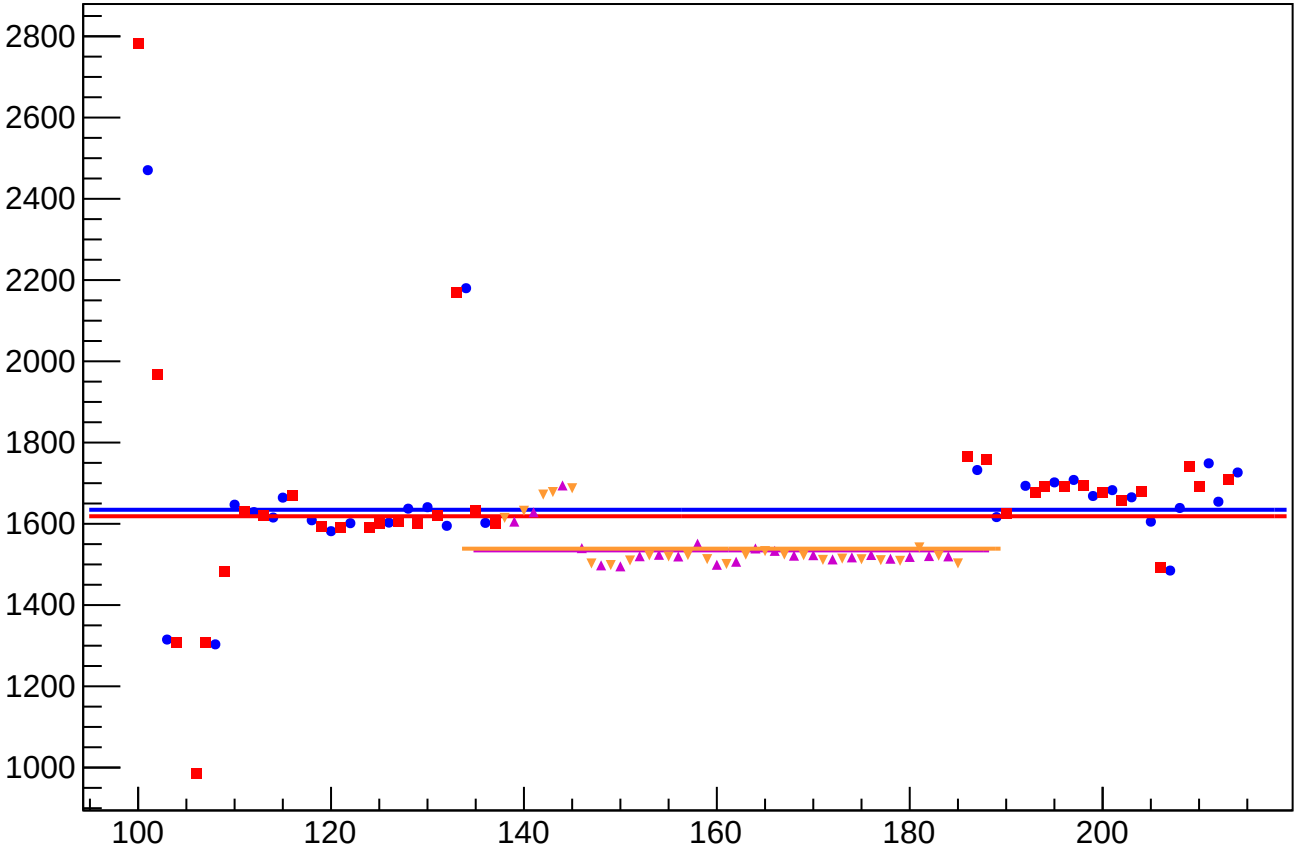
Right: 2311.993+/-270.029 χ^2/NDF: 52.6/62

In: 2838.131+/-261.912 χ^2/NDF:32.1/52

Out: 1664.541+/-257.394 χ^2/NDF:52.6/57

All: 2241.127+/-183.582 χ^2/NDF: 94.9/110

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



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

Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

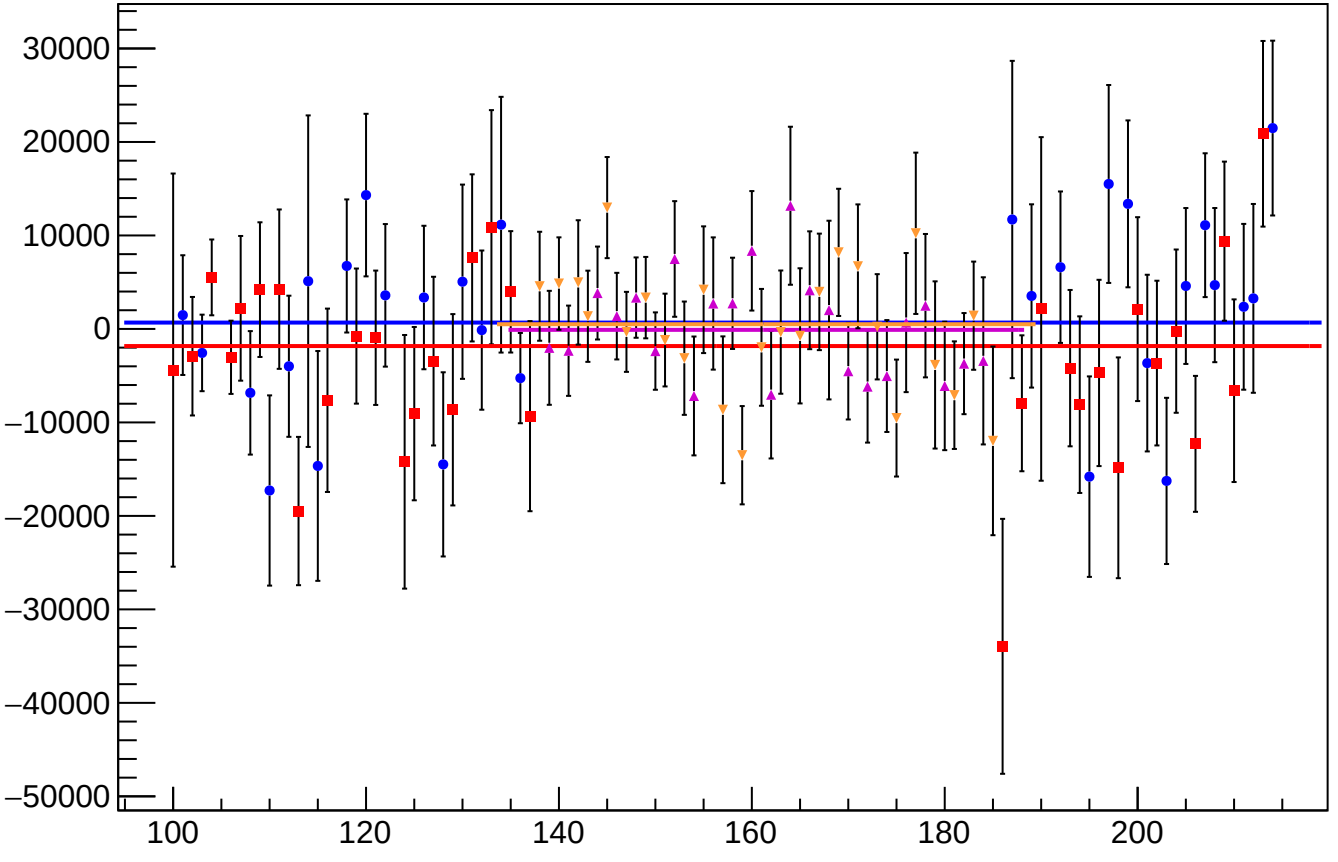
Right: 1626.471+/-0.190 χ^2/NDF: 842665.7/62

In: 1581.208+/-0.185 χ^2/NDF:470011.1/52

Out: 1575.682+/-0.181 χ^2/NDF:569684.1/57

All: 1578.388+/-0.130 χ^2/NDF: 1040149.6/11

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



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

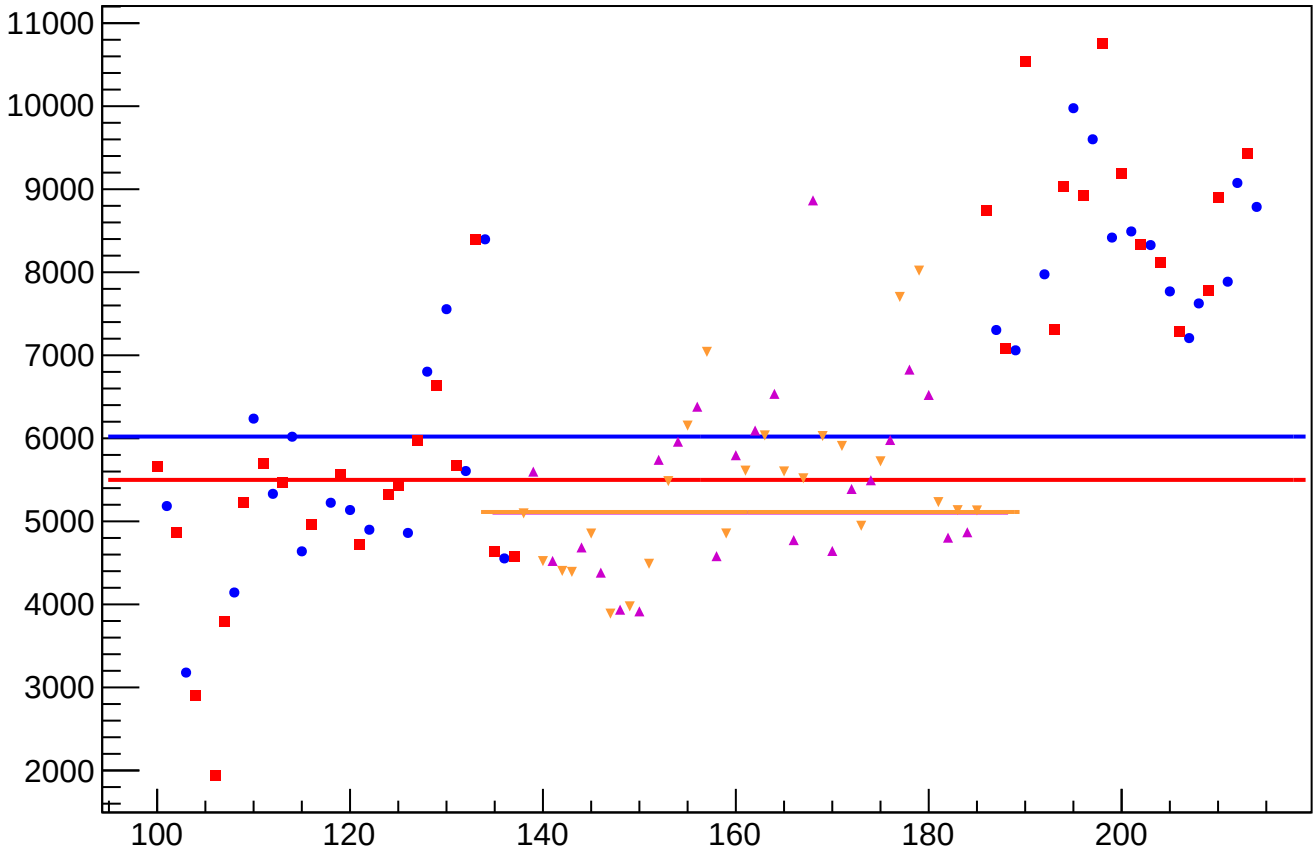
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: -656.504+/-1013.066 χ^2/NDF: 68.6/62

In: 215.867+/-940.580 χ^2/NDF:48.8/52

Out: -482.359+/-902.426 χ^2/NDF:61.7/57

All: -147.695+/-651.182 χ^2/NDF: 110.8/110



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

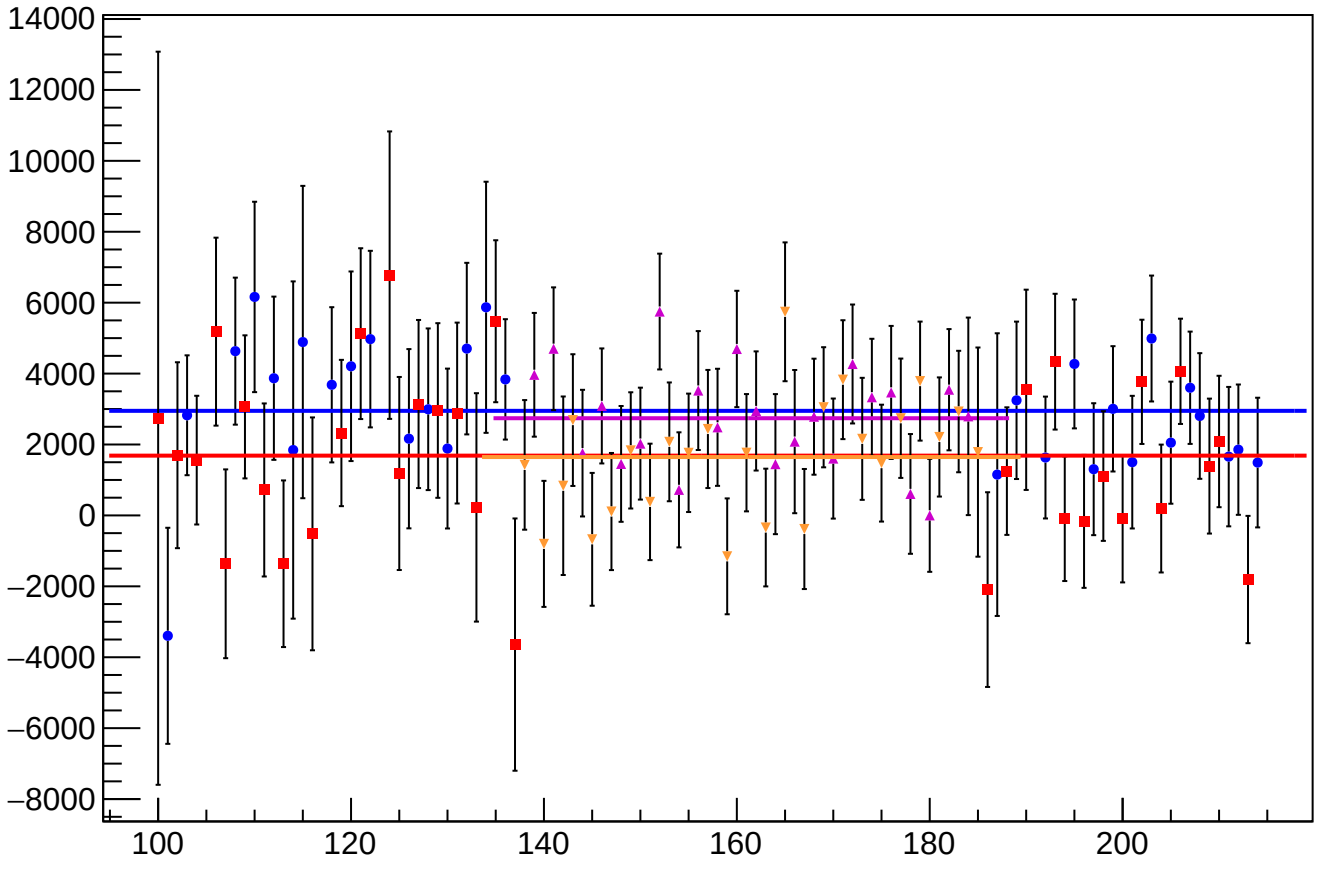
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5743.460+/-0.716 χ^2/NDF: 9166266.4/62

In: 5475.250+/-0.665 χ^2/NDF:5074634.1/52

Out: 5276.154+/-0.638 χ^2/NDF:6914878.5/57

All: 5371.582+/-0.460 χ^2/NDF: 12036172.7/1



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

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

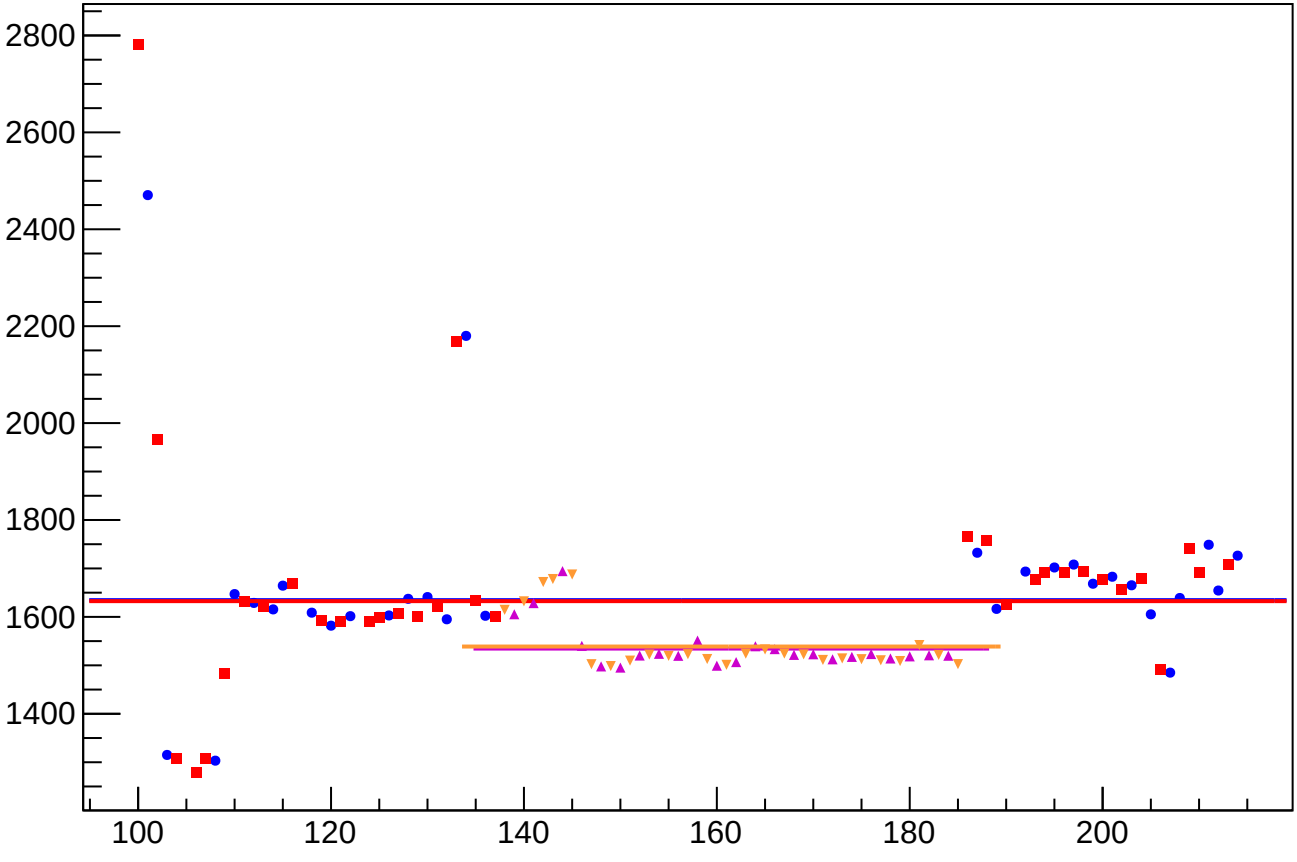
Right: 2311.968+/-270.029 χ^2/NDF: 52.6/62

In: 2838.036+/-261.912 χ^2/NDF:32.1/52

Out: 1664.499+/-257.395 χ^2/NDF:52.6/57

All: 2241.060+/-183.582 χ^2/NDF: 95.0/110

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



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

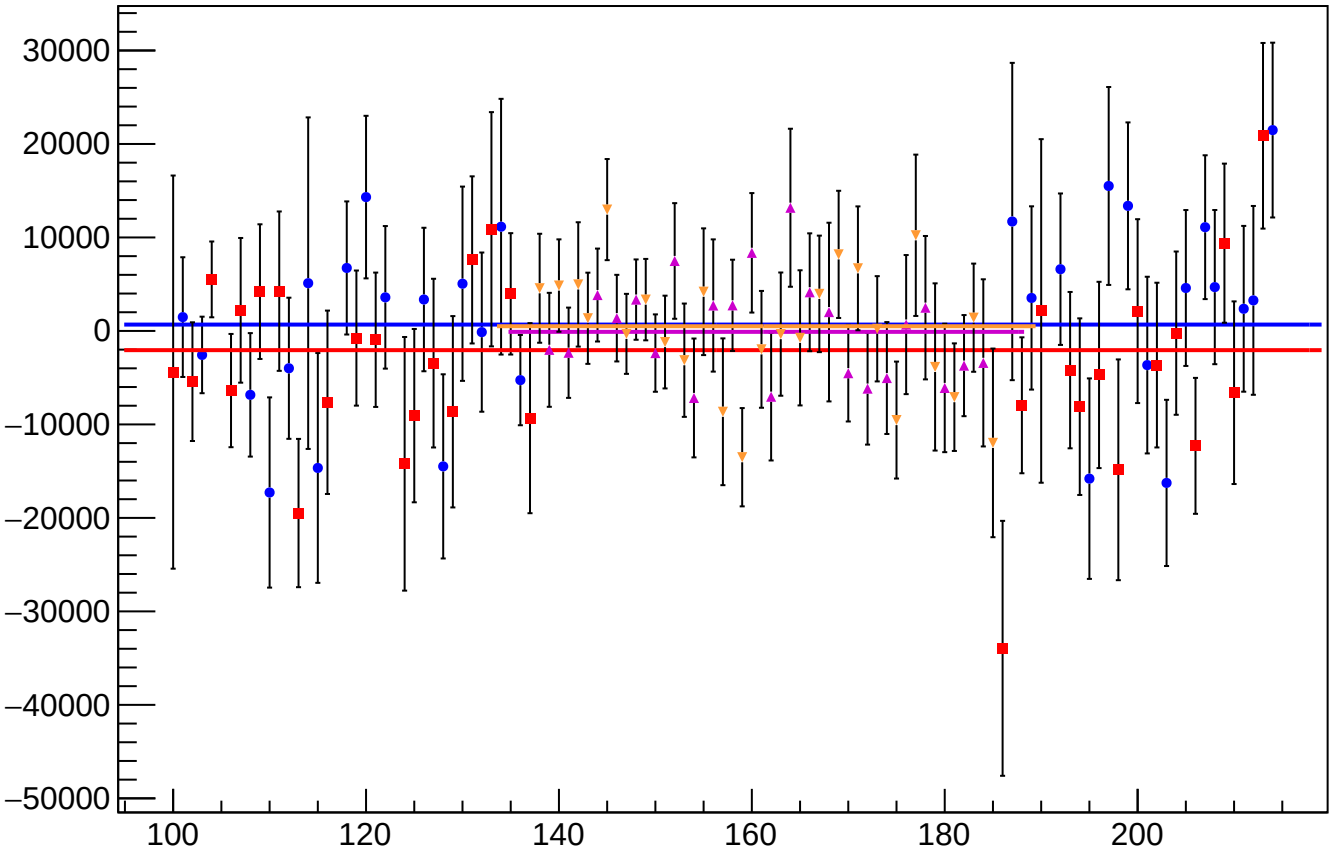
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1633.530+/-0.191 χ^2/NDF: 683483.1/62

In: 1581.208+/-0.185 χ^2/NDF:470010.3/52

Out: 1581.841+/-0.182 χ^2/NDF:430032.6/57

All: 1581.530+/-0.130 χ^2/NDF: 900048.8/110



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

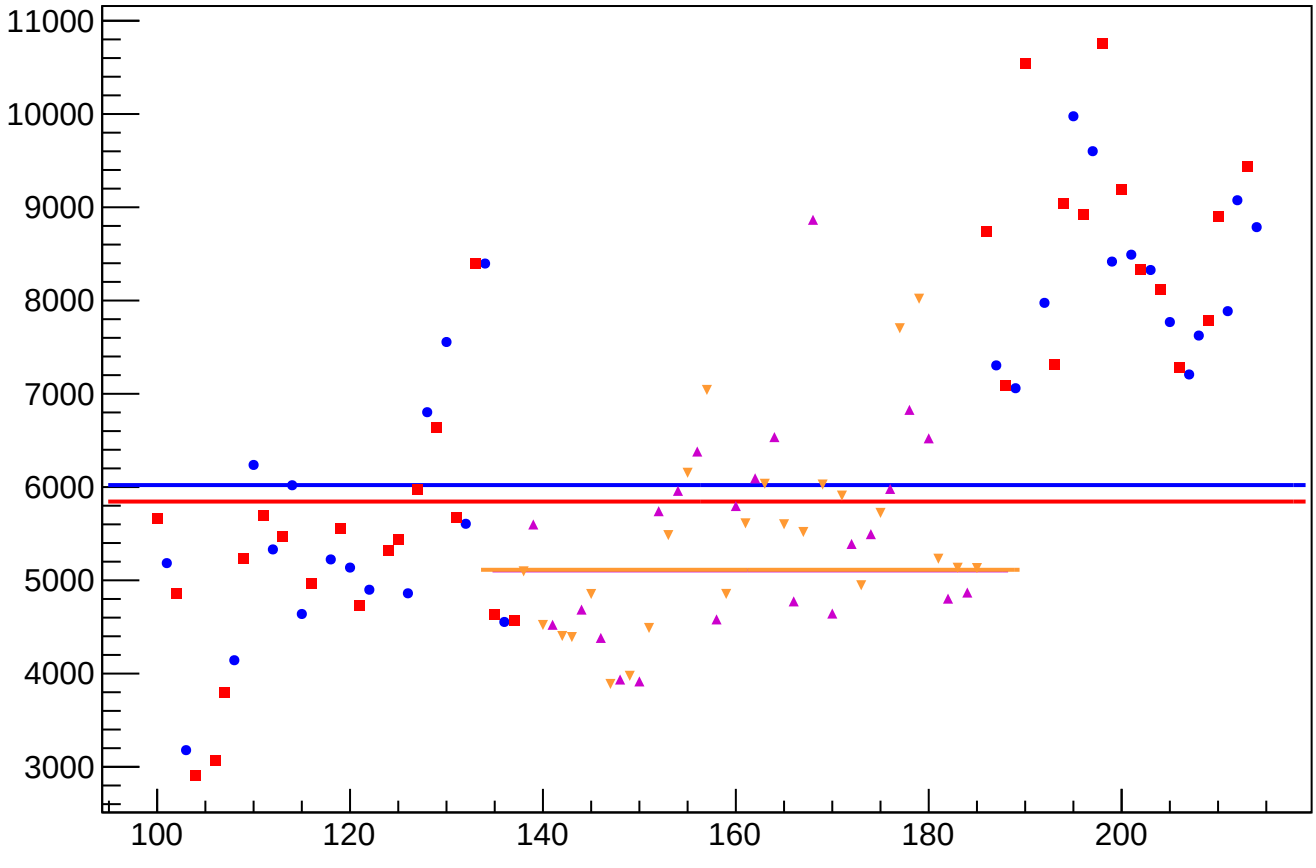
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -723.913+/-1033.430 χ^2/NDF: 69.5/62

In: 215.840+/-940.585 χ^2/NDF:48.8/52

Out: -529.814+/-916.725 χ^2/NDF:62.7/57

All: -166.565+/-656.496 χ^2/NDF: 111.8/110



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

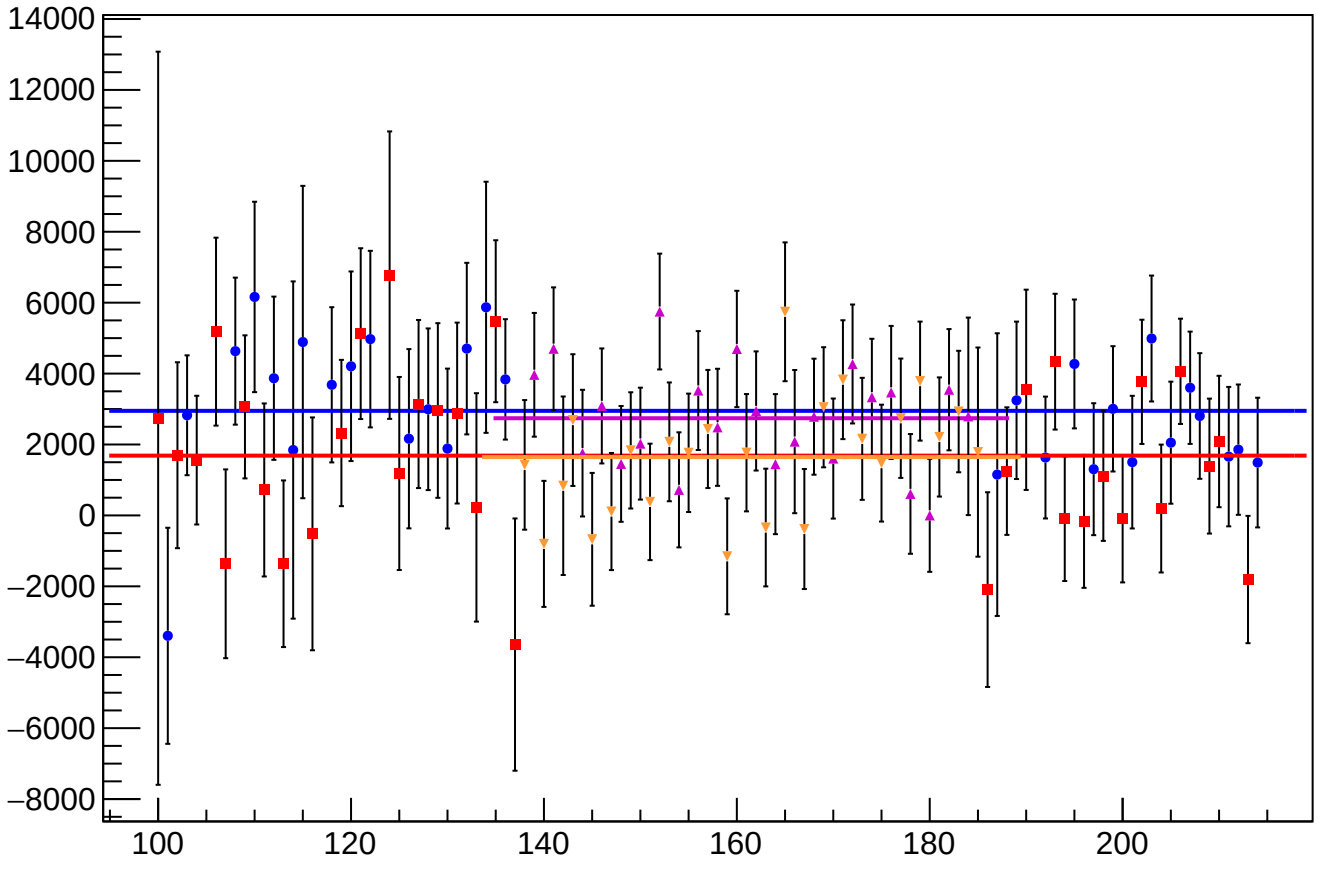
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5930.534+/-0.731 χ^2/NDF: 7603547.1/62

In: 5475.291+/-0.665 χ^2/NDF:5074322.1/52

Out: 5408.387+/-0.648 χ^2/NDF:5687199.2/57

All: 5440.980+/-0.464 χ^2/NDF: 10766710.6/1



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

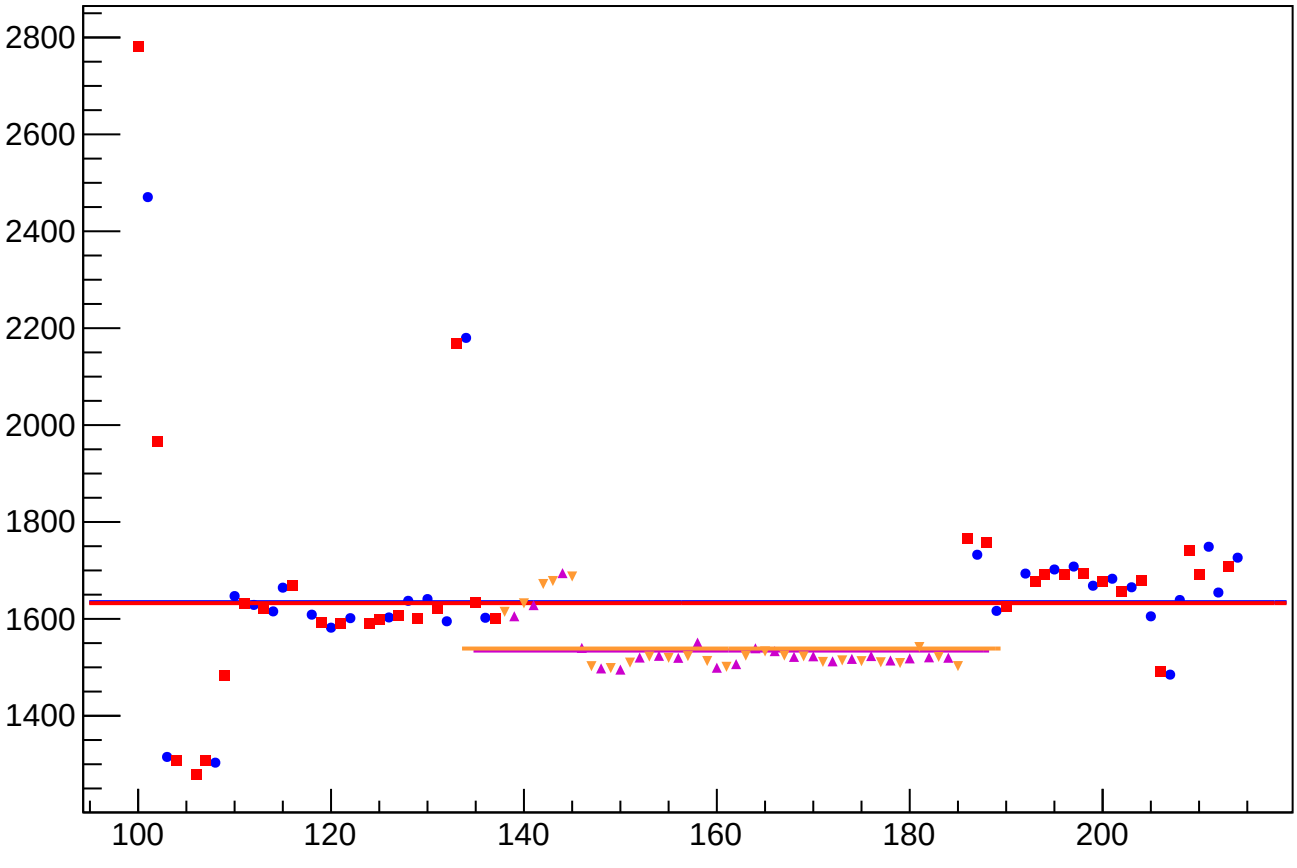
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2311.968+/-270.029 χ^2/NDF: 52.6/62

In: 2838.036+/-261.912 χ^2/NDF:32.1/52

Out: 1664.499+/-257.395 χ^2/NDF:52.6/57

All: 2241.060+/-183.582 χ^2/NDF: 95.0/110



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

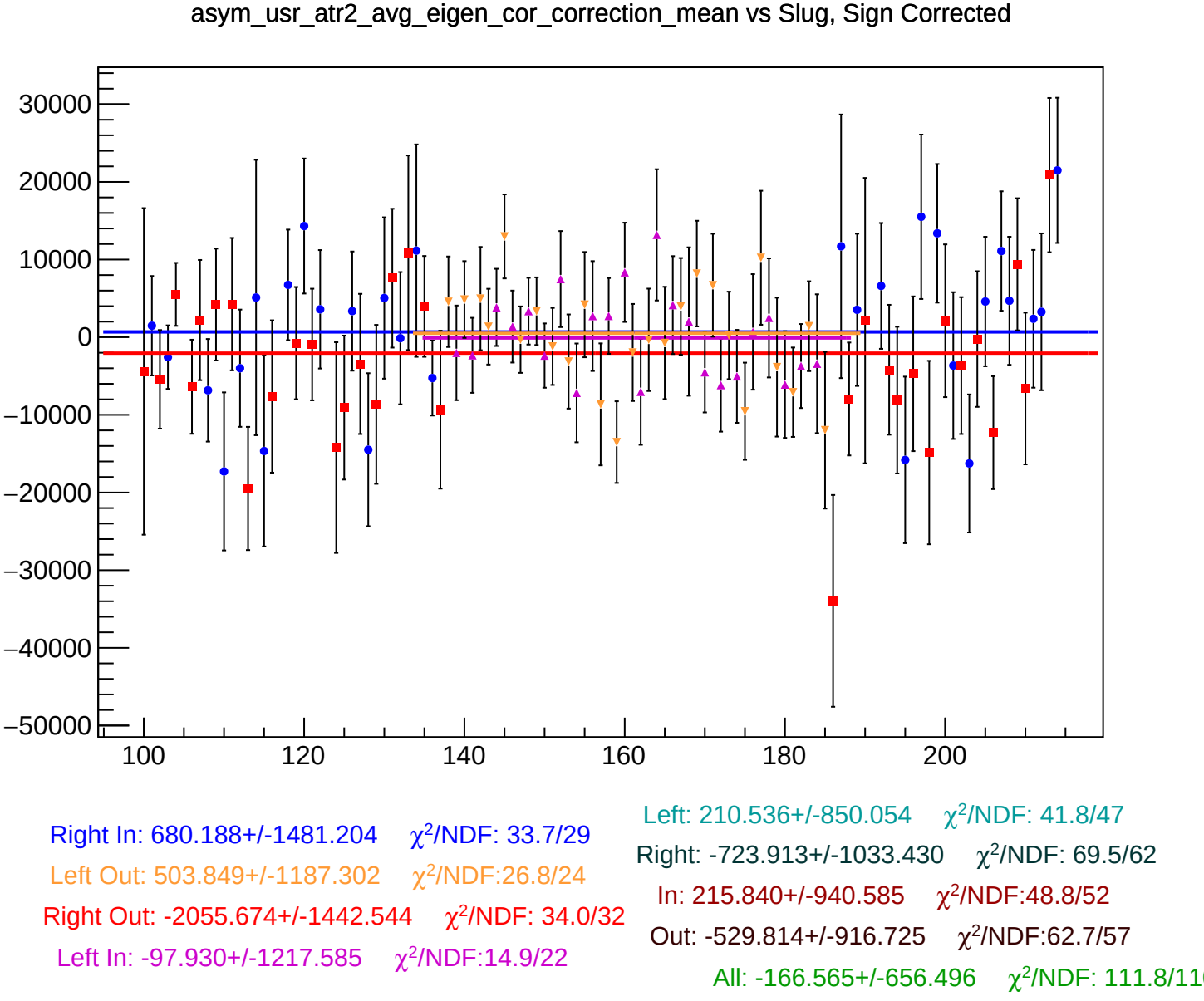
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

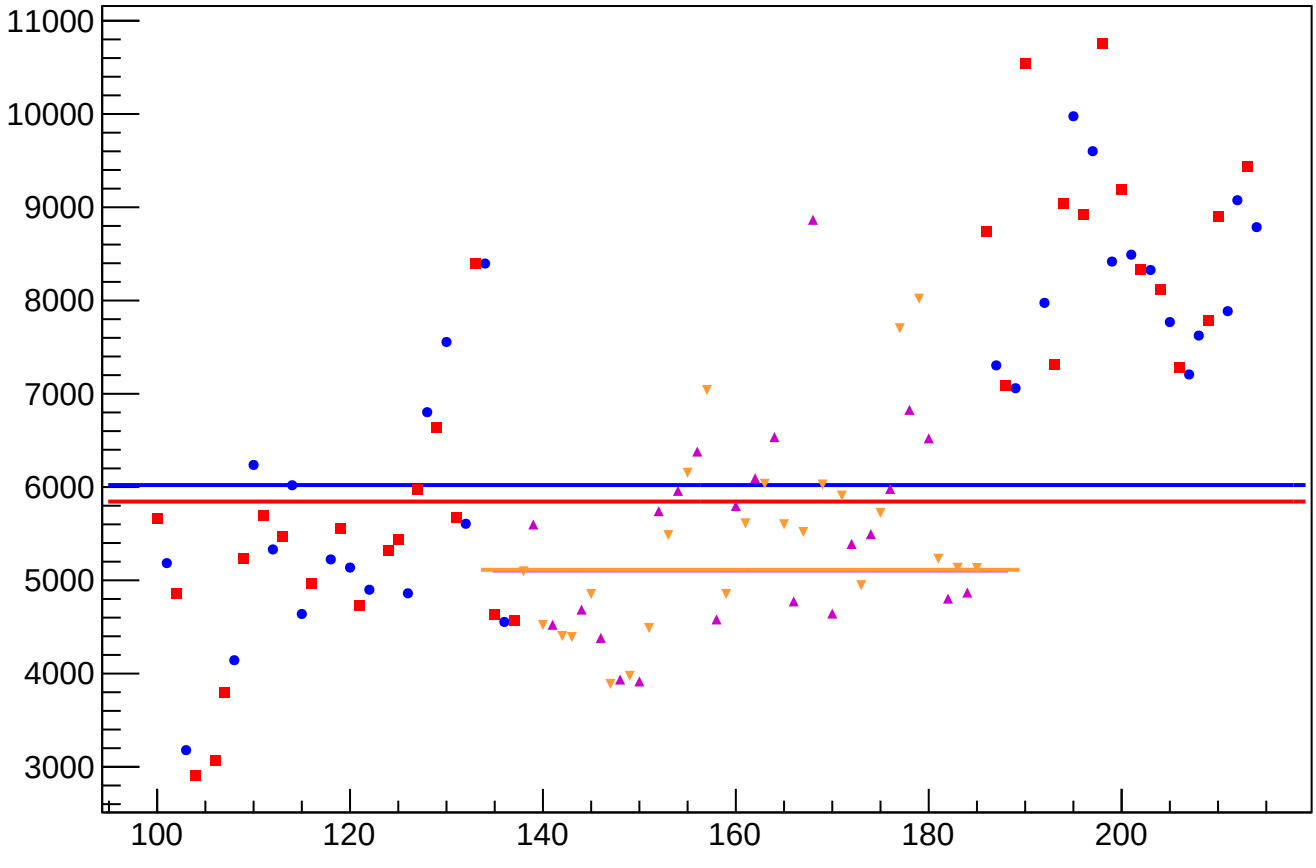
Right: 1633.530+/-0.191 χ^2/NDF: 683483.1/62

In: 1581.208+/-0.185 χ^2/NDF:470010.3/52

Out: 1581.841+/-0.182 χ^2/NDF:430032.6/57

All: 1581.530+/-0.130 χ^2/NDF: 900048.8/110


asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 680.188+/-1481.204 χ²/NDF: 33.7/29
Left Out: 503.849+/-1187.302 χ²/NDF:26.8/24
Right Out: -2055.674+/-1442.544 χ²/NDF: 34.0/32
Left In: -97.930+/-1217.585 χ²/NDF:14.9/22
Left: 210.536+/-850.054 χ²/NDF: 41.8/47
Right: -723.913+/-1033.430 χ²/NDF: 69.5/62
In: 215.840+/-940.585 χ²/NDF:48.8/52
Out: -529.814+/-916.725 χ²/NDF:62.7/57
All: -166.565+/-656.496 χ²/NDF: 111.8/110



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

Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

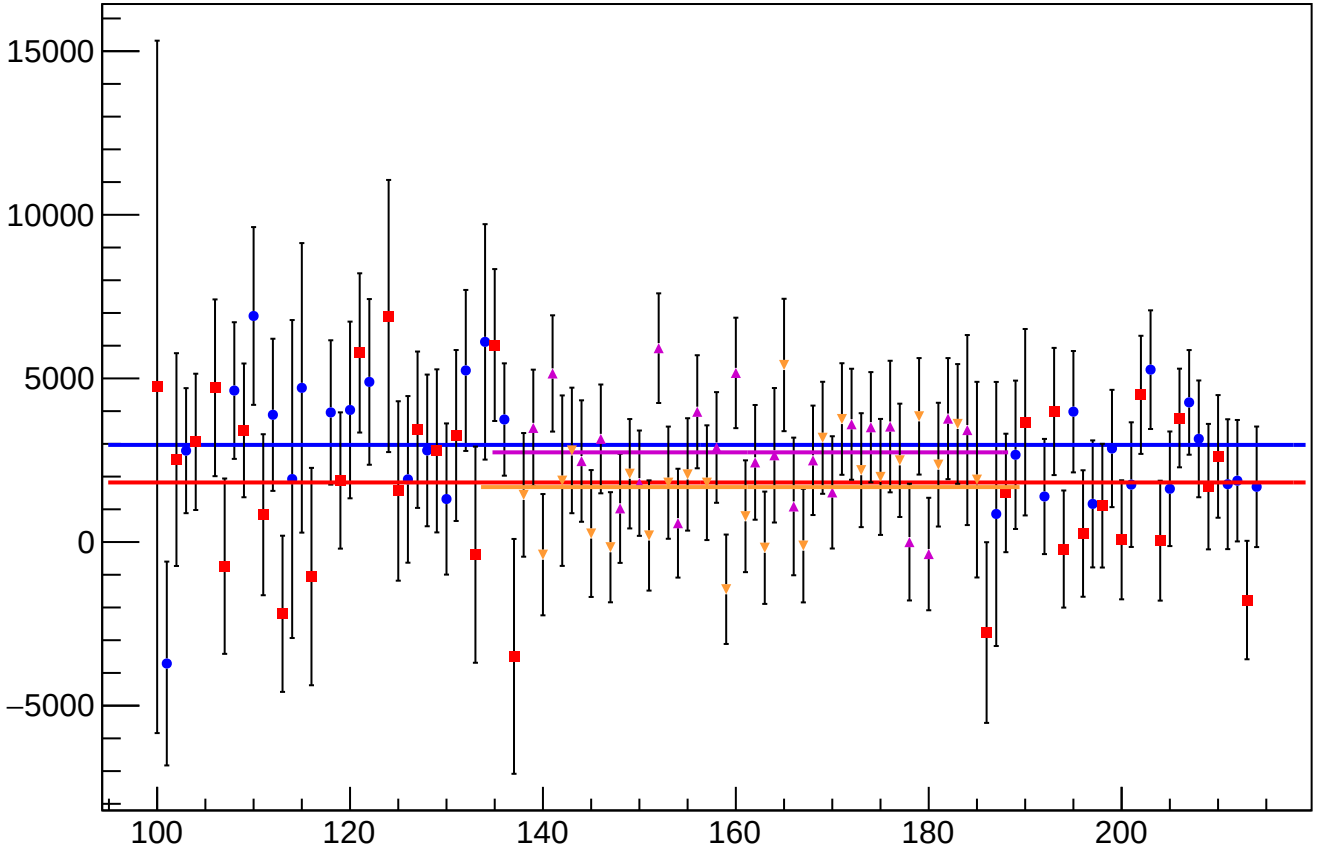
Right: 5930.534+/-0.731 χ^2/NDF: 7603547.1/62

In: 5475.291+/-0.665 χ^2/NDF:5074322.1/52

Out: 5408.387+/-0.648 χ^2/NDF:5687199.2/57

All: 5440.980+/-0.464 χ^2/NDF: 10766710.6/1

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



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

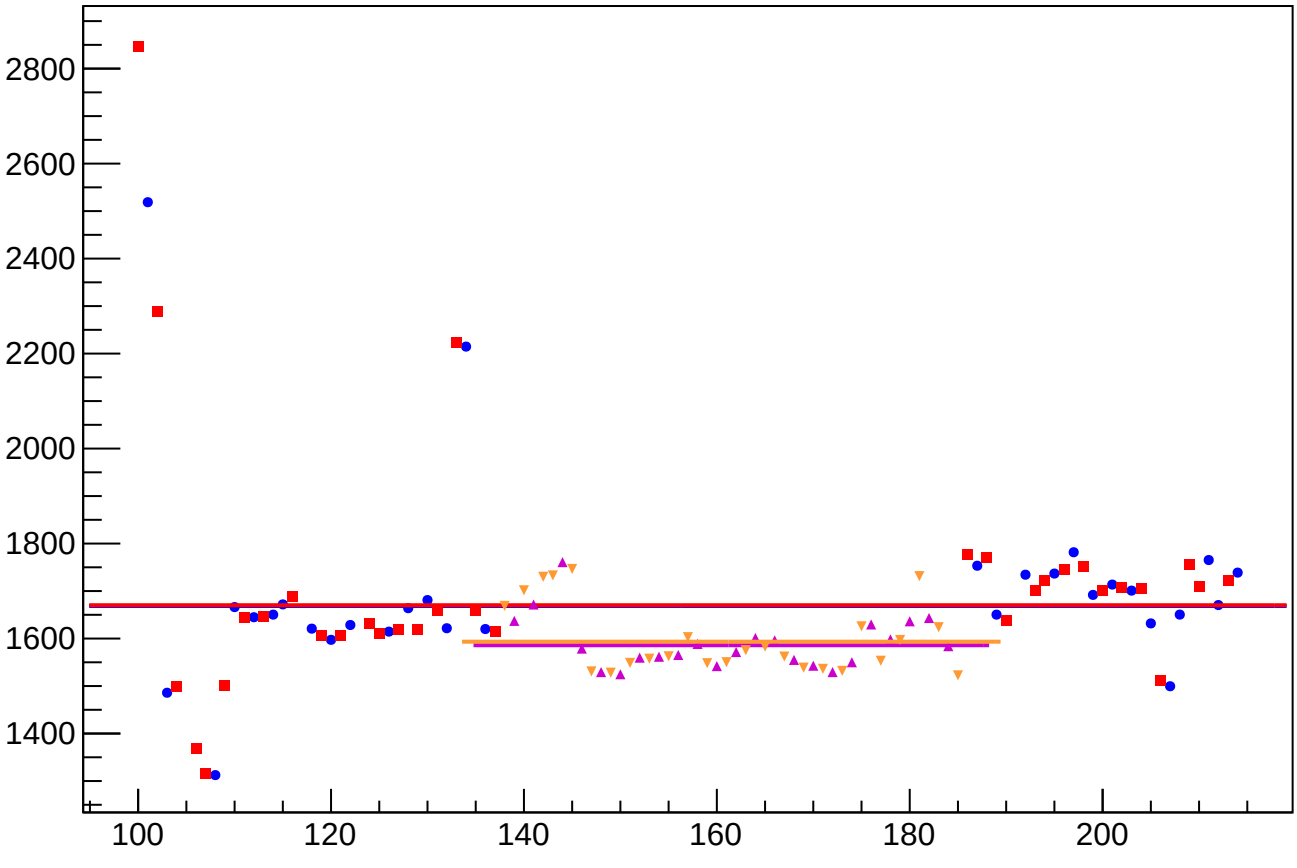
Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

Right: 2391.160+/-275.985 χ^2/NDF: 56.5/62

In: 2848.329+/-269.127 χ^2/NDF:37.2/52

Out: 1744.864+/-265.208 χ^2/NDF:53.3/57

All: 2288.504+/-188.900 χ^2/NDF: 99.1/110



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

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

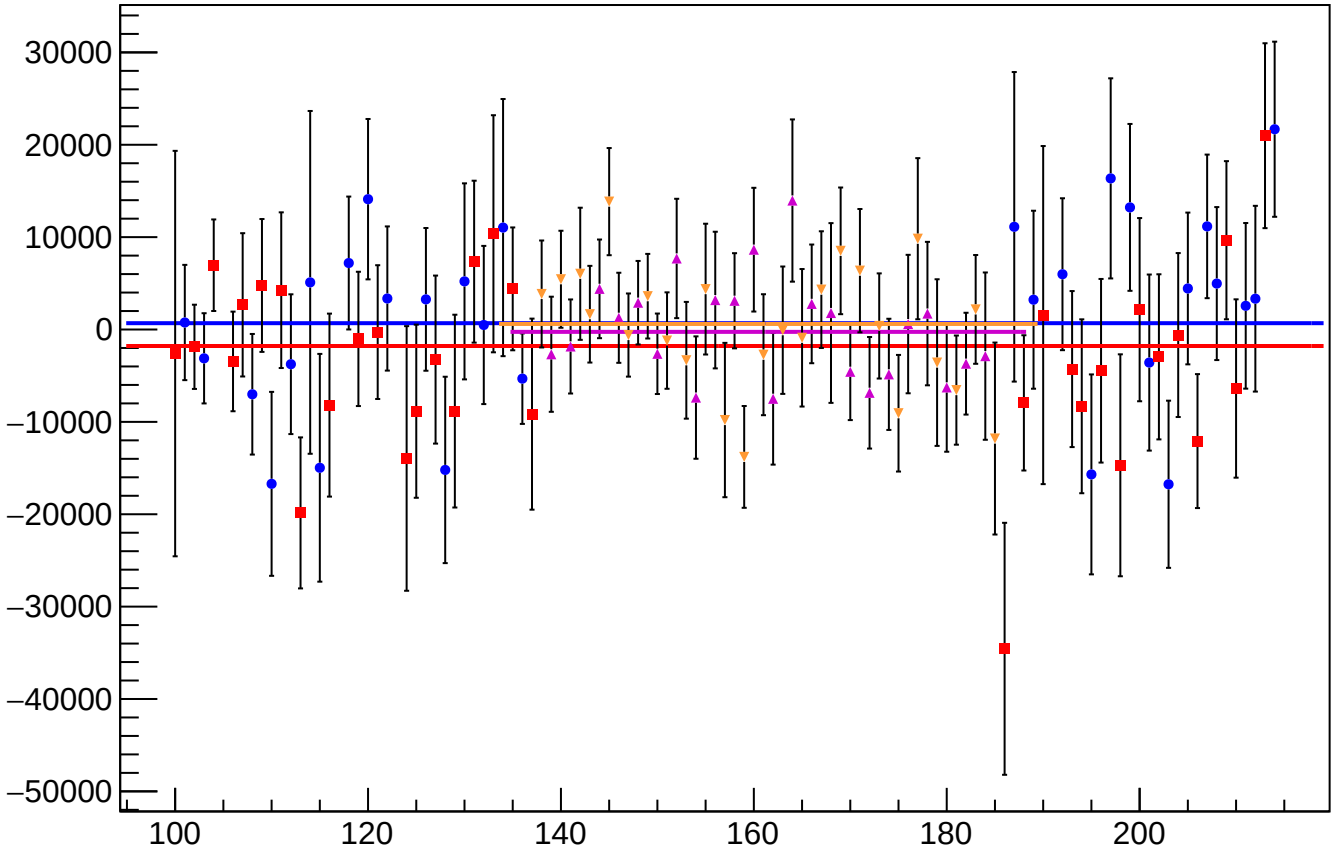
Right: 1669.393+/-0.195 χ^2/NDF: 621327.4/62

In: 1625.012+/-0.190 χ^2/NDF:413439.4/52

Out: 1629.051+/-0.187 χ^2/NDF:410439.5/57

All: 1627.061+/-0.134 χ^2/NDF: 824107.4/110

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



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

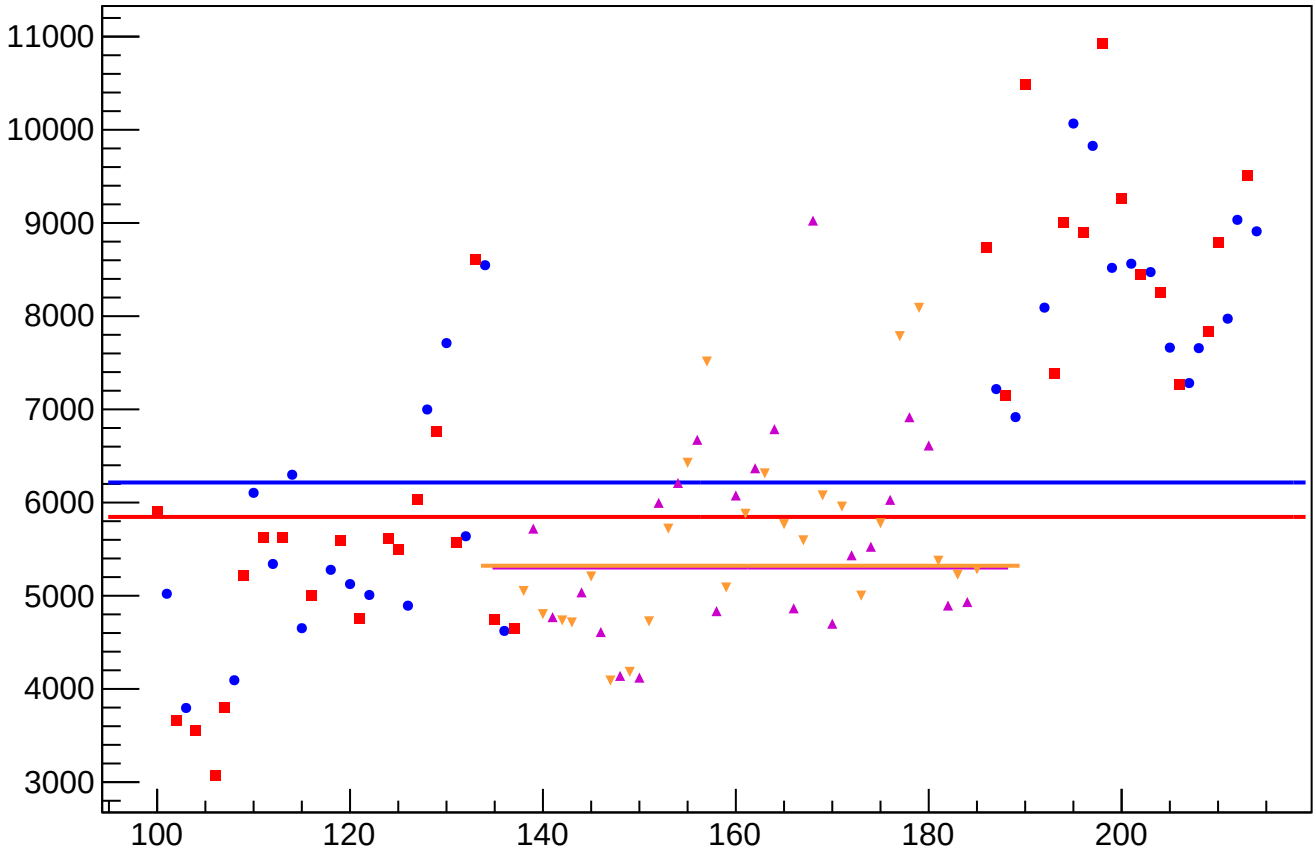
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -619.027+/-1042.963 χ^2/NDF: 68.1/62

In: 128.964+/-970.651 χ^2/NDF:48.5/52

Out: -412.282+/-935.609 χ^2/NDF:60.7/57

All: -151.605+/-673.623 χ^2/NDF: 109.4/110



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

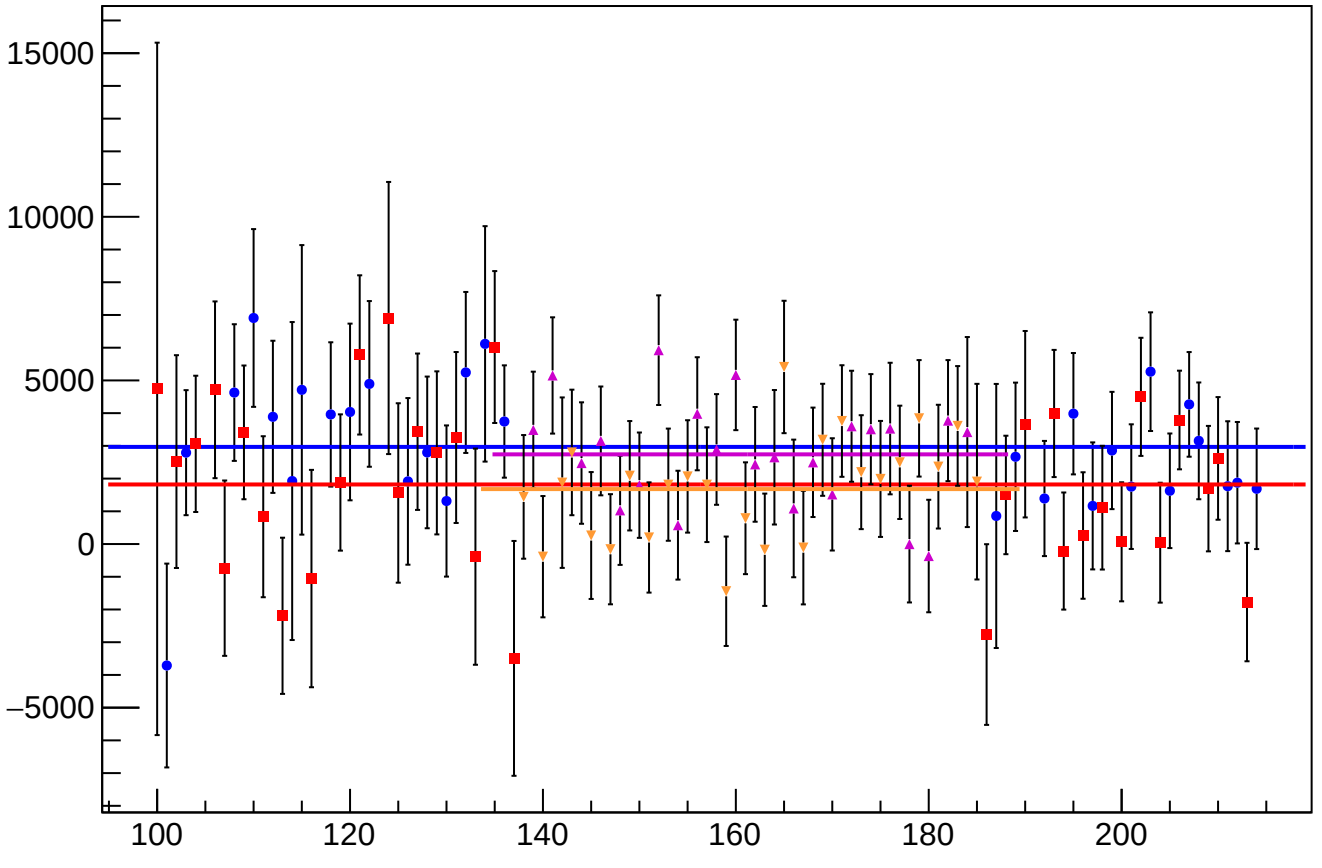
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 6020.261+/-0.737 χ^2/NDF: 7068886.8/62

In: 5676.050+/-0.686 χ^2/NDF:4443799.6/52

Out: 5544.424+/-0.662 χ^2/NDF:5332260.7/57

All: 5607.818+/-0.476 χ^2/NDF: 9795125.1/11



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

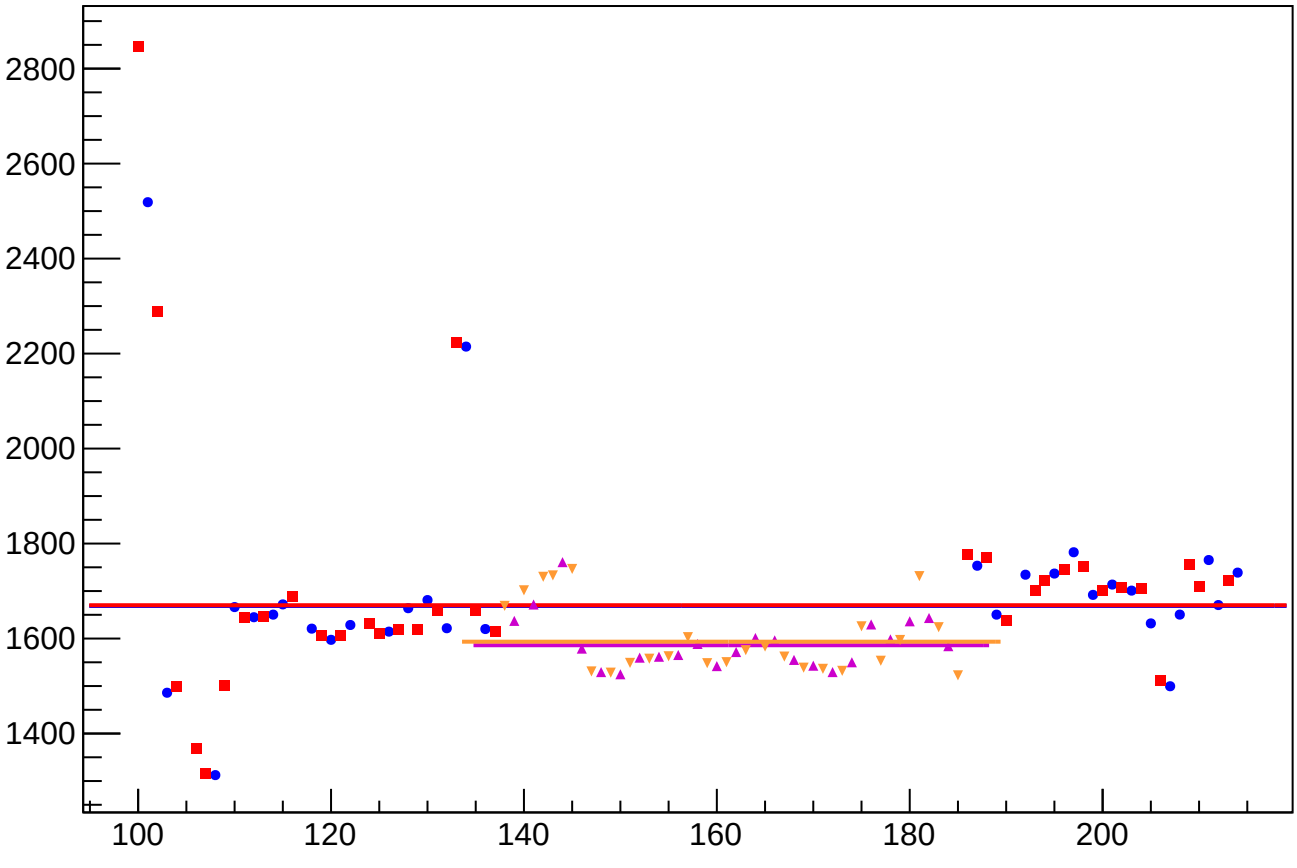
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2391.160+/-275.985 χ^2/NDF: 56.5/62

In: 2848.329+/-269.127 χ^2/NDF:37.2/52

Out: 1744.861+/-265.208 χ^2/NDF:53.3/57

All: 2288.502+/-188.900 χ^2/NDF: 99.1/110



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

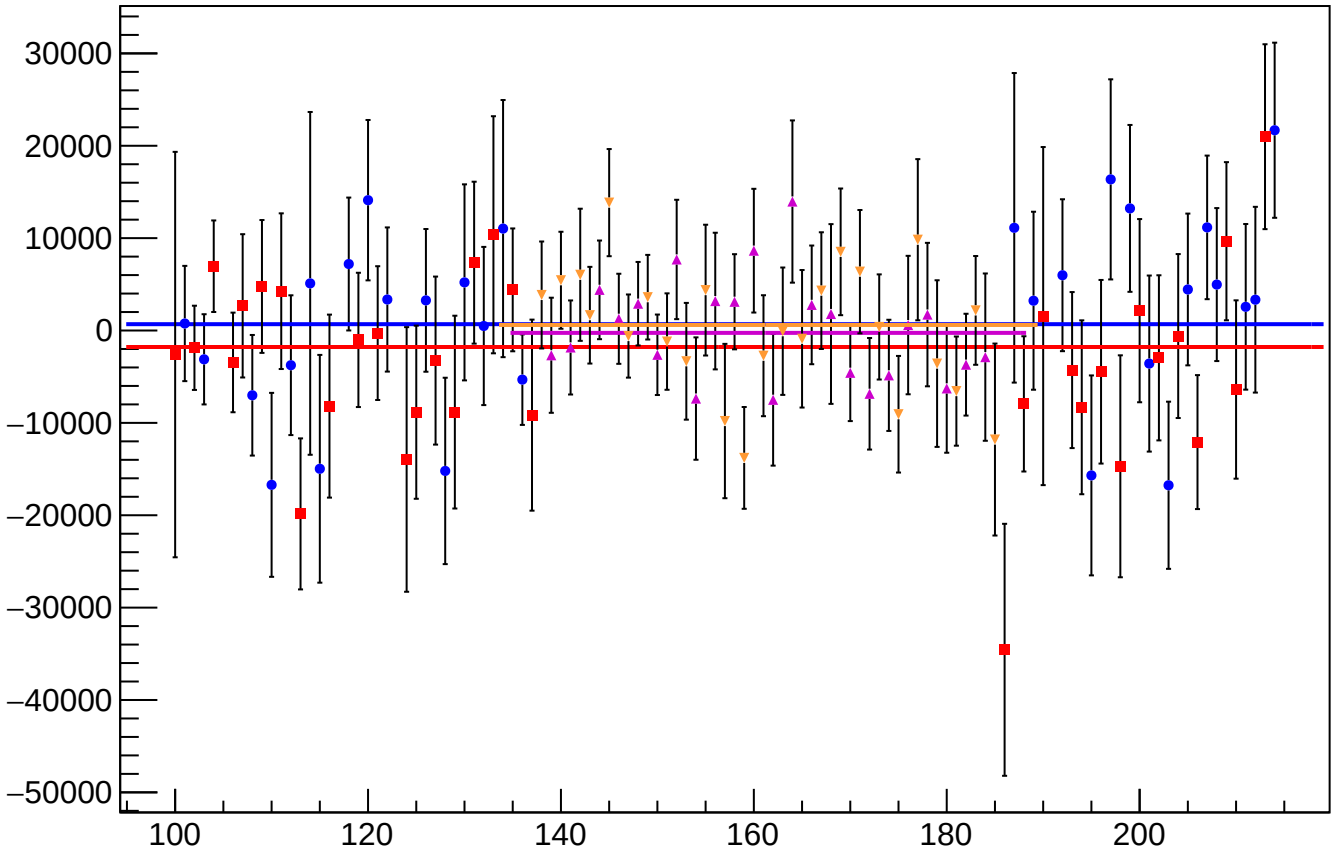
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1669.393+/-0.195 χ^2/NDF: 621327.8/62

In: 1625.013+/-0.190 χ^2/NDF:413438.1/52

Out: 1629.051+/-0.187 χ^2/NDF:410438.3/57

All: 1627.062+/-0.134 χ^2/NDF: 824104.9/110



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

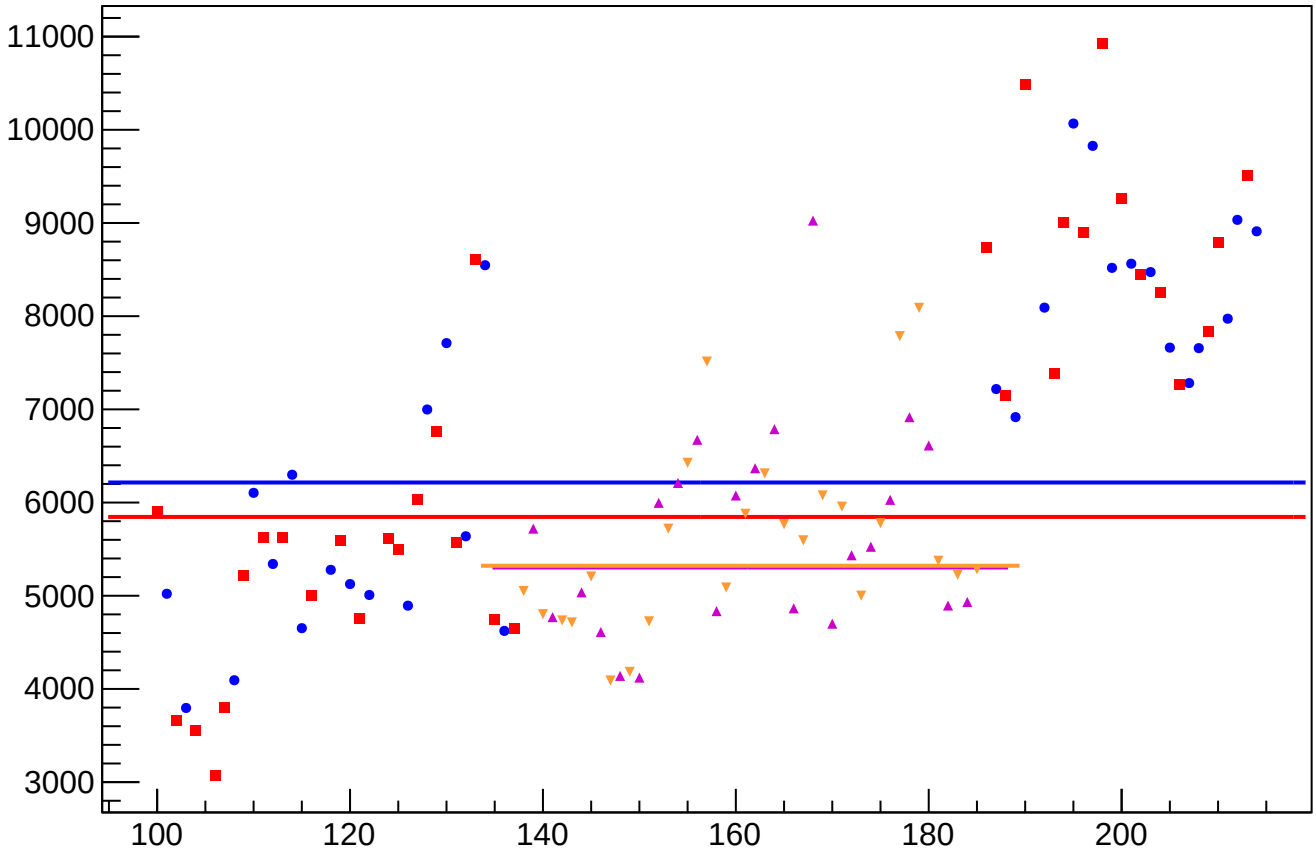
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -619.024+/-1042.962 χ^2/NDF: 68.1/62

In: 128.966+/-970.652 χ^2/NDF:48.5/52

Out: -412.286+/-935.610 χ^2/NDF:60.7/57

All: -151.606+/-673.624 χ^2/NDF: 109.4/110



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

Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

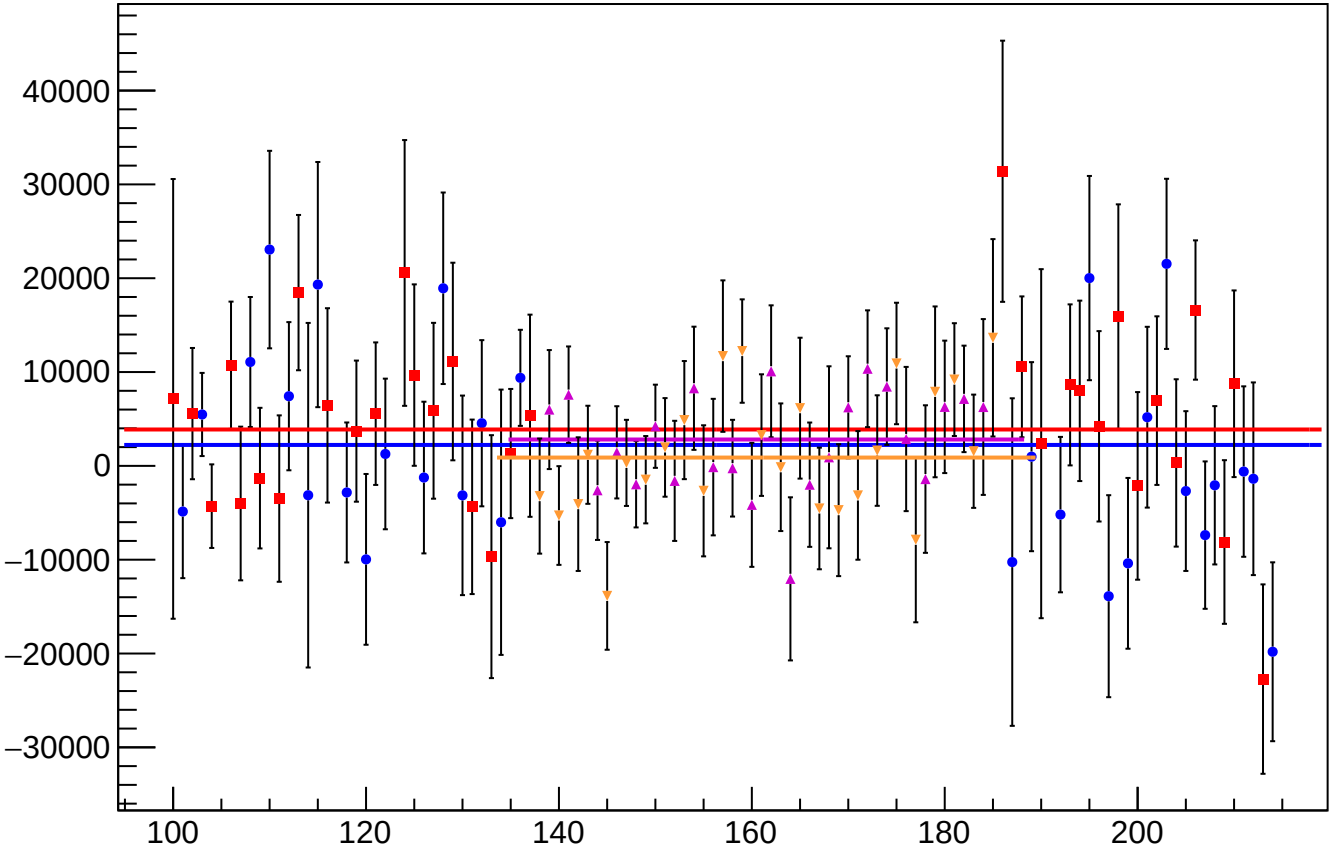
Right: 6020.256+/-0.737 χ^2/NDF: 7068921.9/62

In: 5676.055+/-0.686 χ^2/NDF:4443808.1/52

Out: 5544.427+/-0.662 χ^2/NDF:5332271.6/57

All: 5607.822+/-0.476 χ^2/NDF: 9795144.9/11

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



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

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

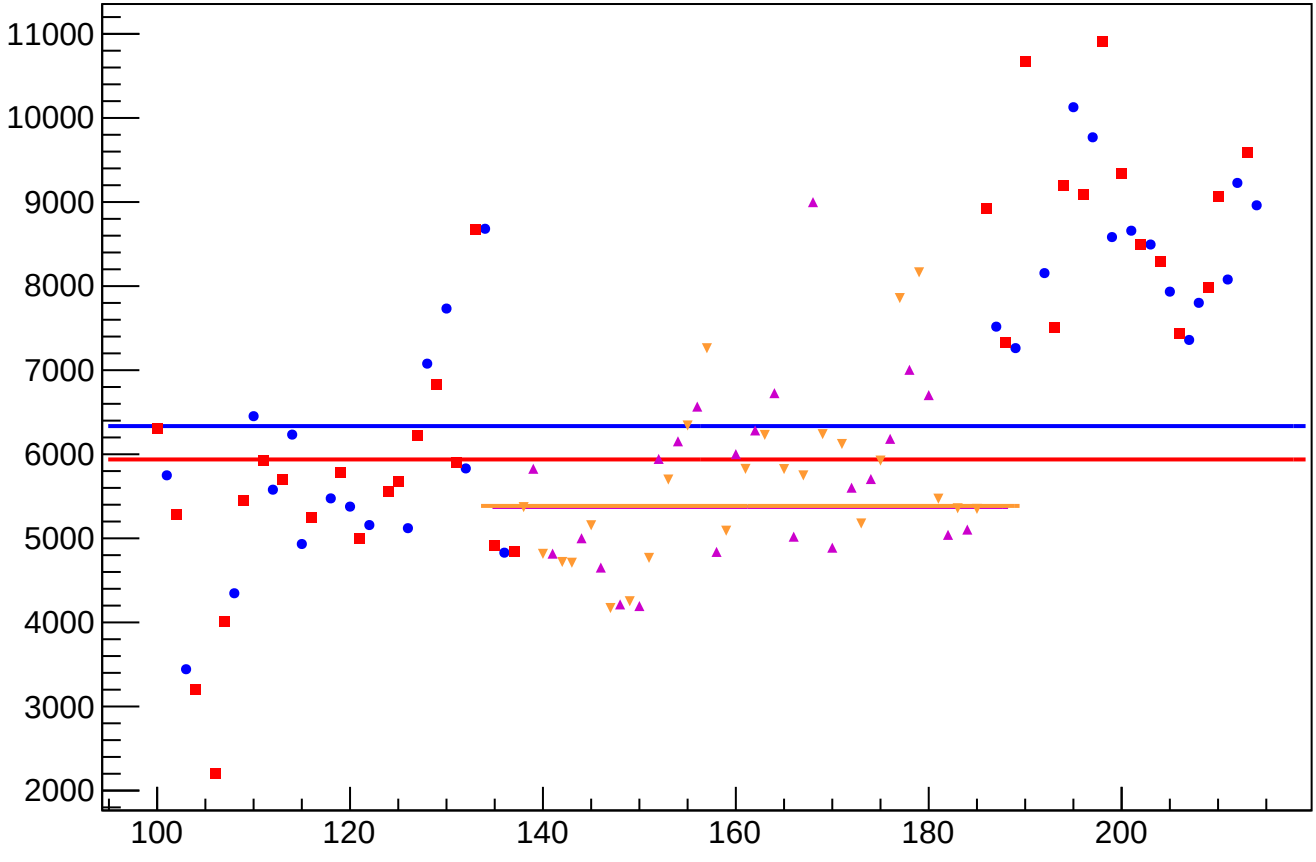
Right: 3071.741+/-1083.179 χ^2/NDF: 71.0/62

In: 2576.033+/-985.250 χ^2/NDF:52.3/52

Out: 2092.435+/-962.805 χ^2/NDF:60.9/57

All: 2328.663+/-688.605 χ^2/NDF: 113.3/110

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



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

Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

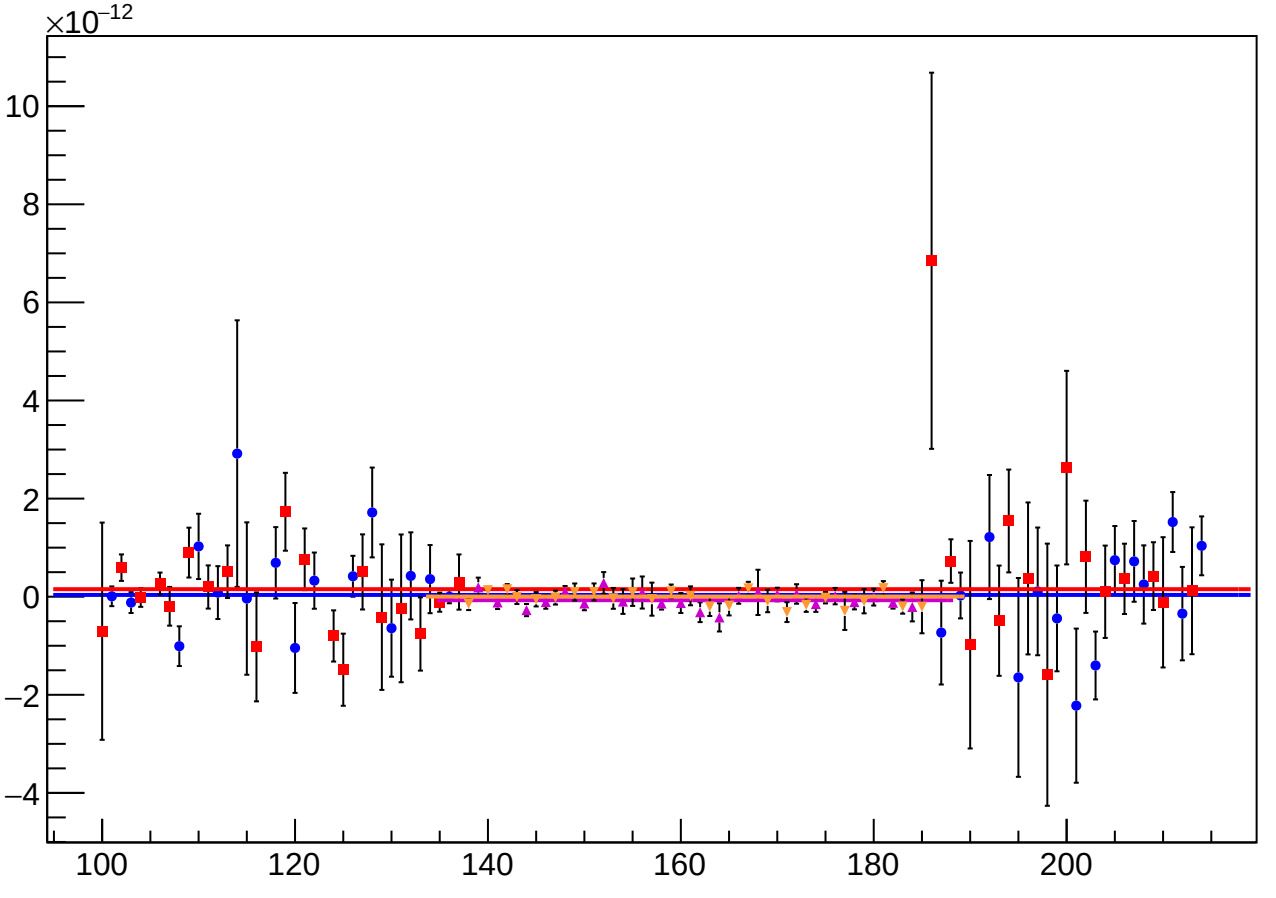
Right: 6127.428+/-0.756 χ^2/NDF: 7690116.2/62

In: 5762.529+/-0.697 χ^2/NDF:4489807.6/52

Out: 5615.436+/-0.674 χ^2/NDF:5813605.7/57

All: 5686.515+/-0.484 χ^2/NDF: 10326450.1/1

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

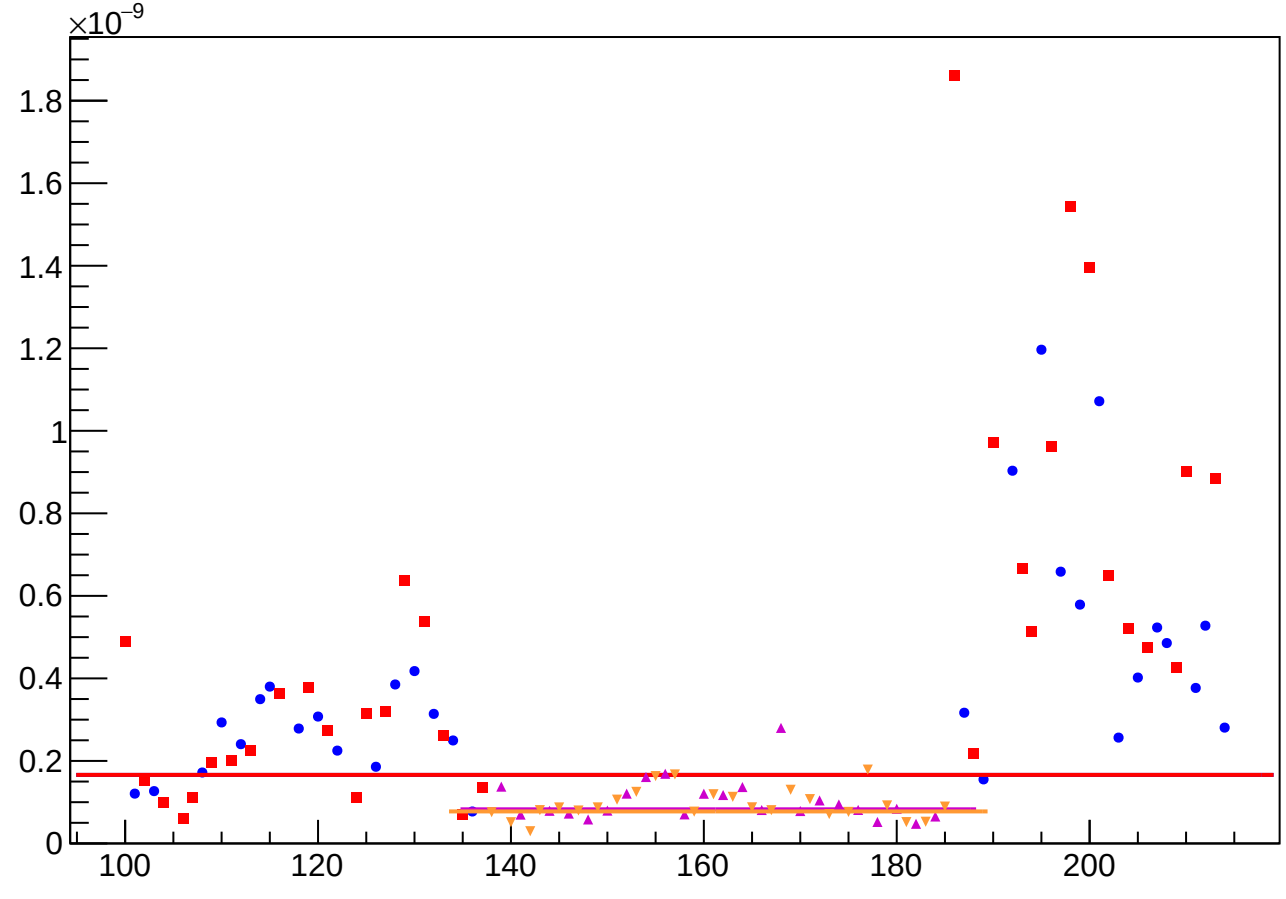
Left: -0.000+/-0.000 χ^2/NDF: 36.7/47

Right: 0.000+/-0.000 χ^2/NDF: 73.6/62

In: -0.000+/-0.000 χ^2/NDF:54.9/52

Out: 0.000+/-0.000 χ^2/NDF:56.2/57

All: -0.000+/-0.000 χ^2/NDF: 114.2/110



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

Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

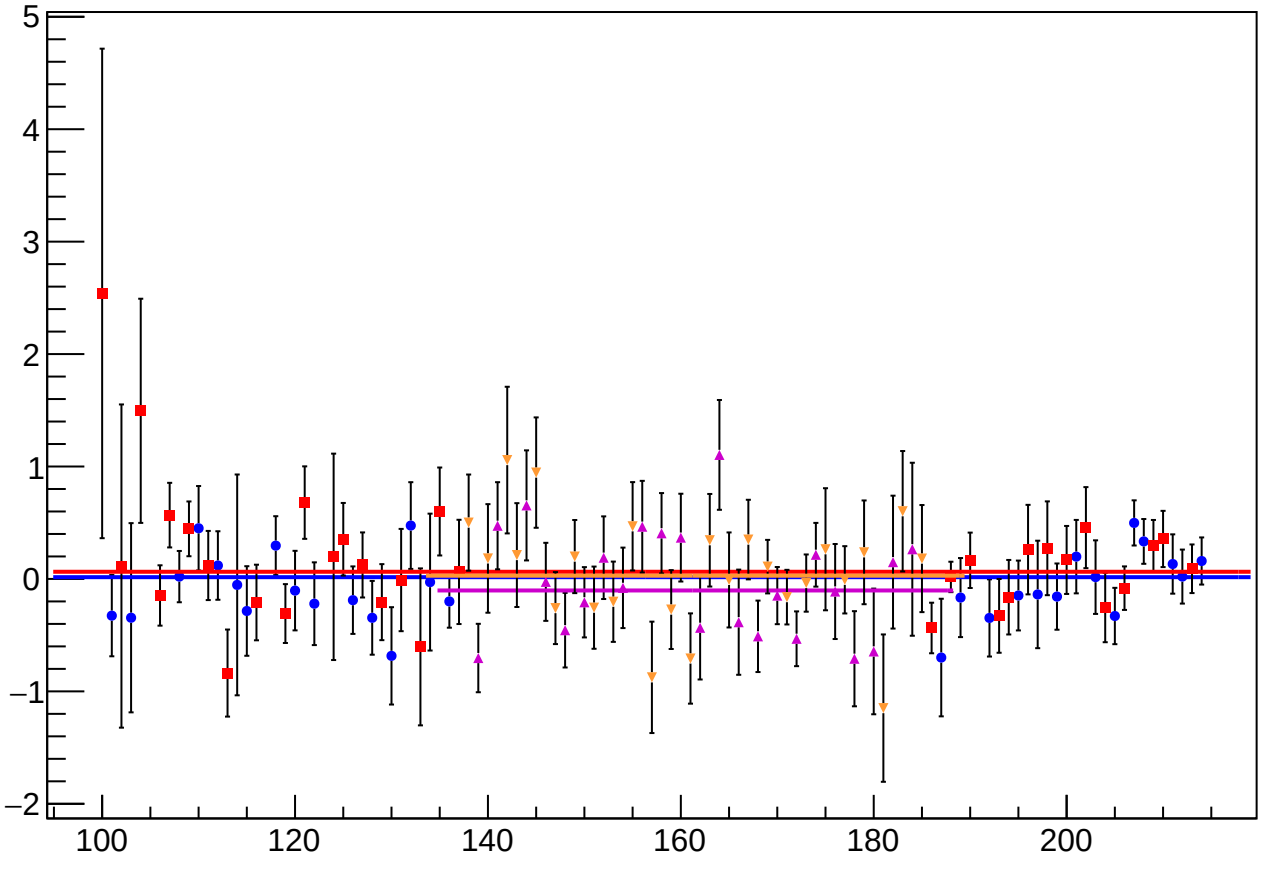
Right: 0.000+/-0.000 χ^2/NDF: 13511059.9/62

In: 0.000+/-0.000 χ^2/NDF:9096746.0/52

Out: 0.000+/-0.000 χ^2/NDF:11356834.7/57

All: 0.000+/-0.000 χ^2/NDF: 20506125.3/110

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

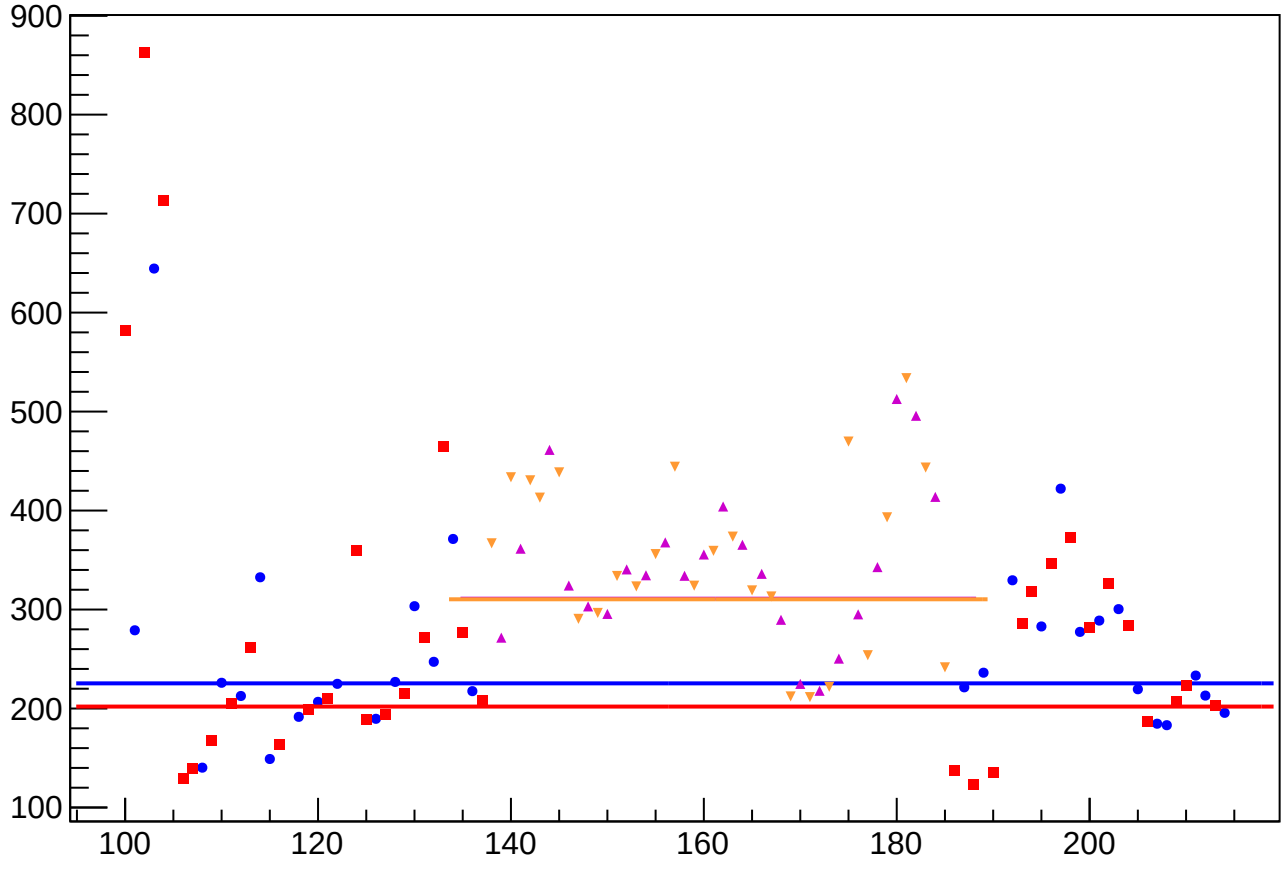
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.042+/-0.038 χ^2/NDF: 65.5/62

In: -0.025+/-0.045 χ^2/NDF:60.4/52

Out: 0.053+/-0.042 χ^2/NDF:64.1/57

All: 0.016+/-0.031 χ^2/NDF: 126.0/110



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

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

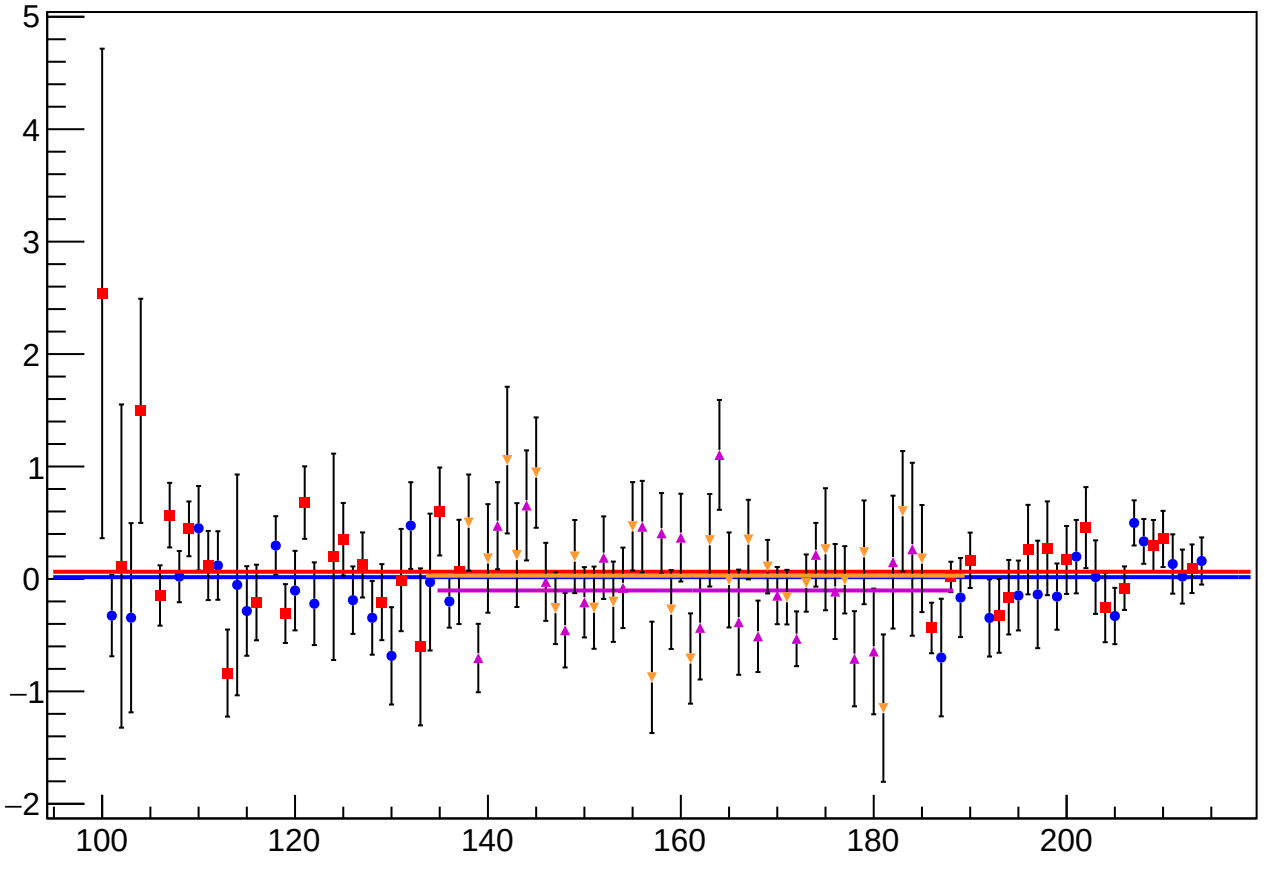
Right: 212.765+/-0.027 χ^2/NDF: 6779254.9/62

In: 255.176+/-0.032 χ^2/NDF:5474054.2/52

Out: 236.836+/-0.030 χ^2/NDF:9577046.0/57

All: 245.456+/-0.022 χ^2/NDF: 15227412.4/11

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

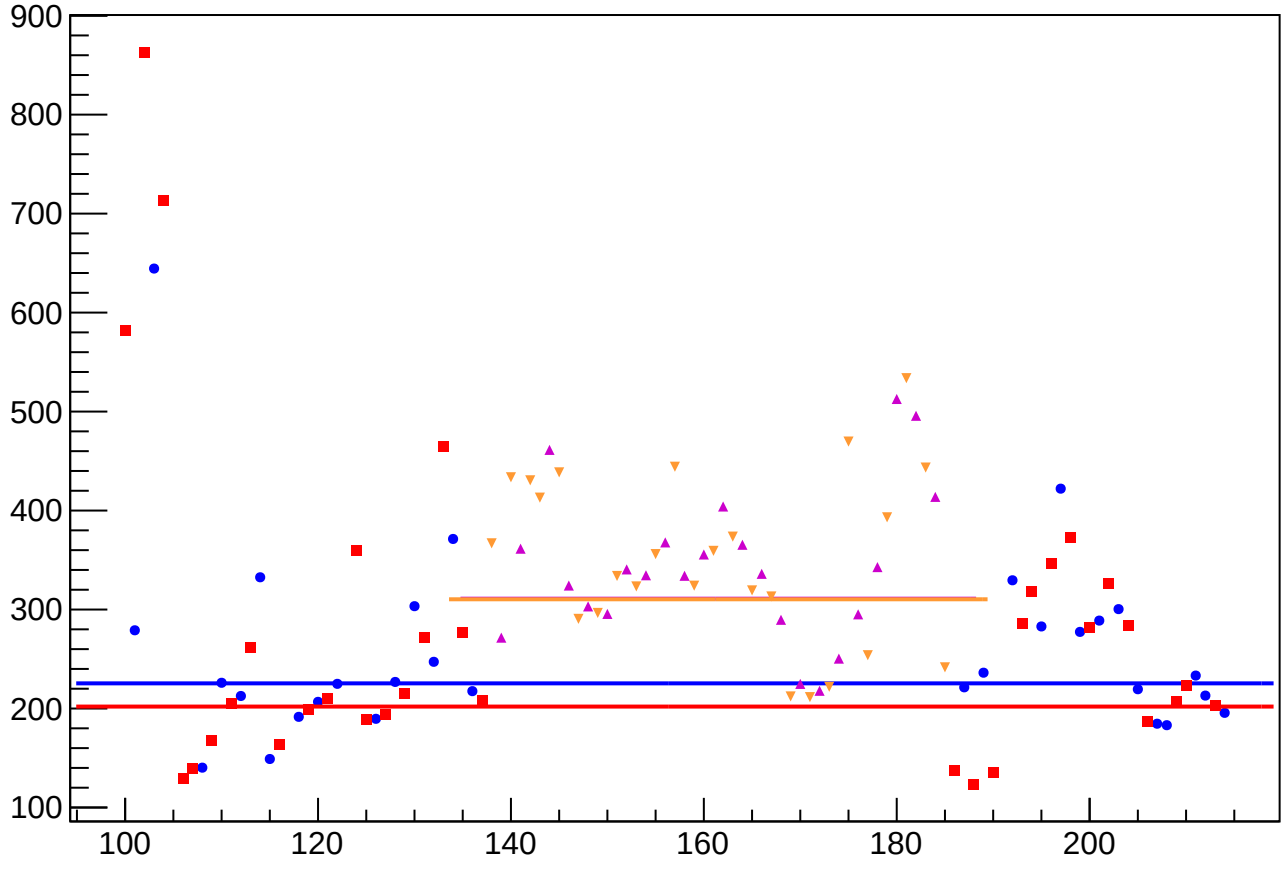
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.042+/-0.038 χ^2/NDF: 65.5/62

In: -0.025+/-0.045 χ^2/NDF:60.4/52

Out: 0.053+/-0.042 χ^2/NDF:64.1/57

All: 0.016+/-0.031 χ^2/NDF: 126.0/110



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

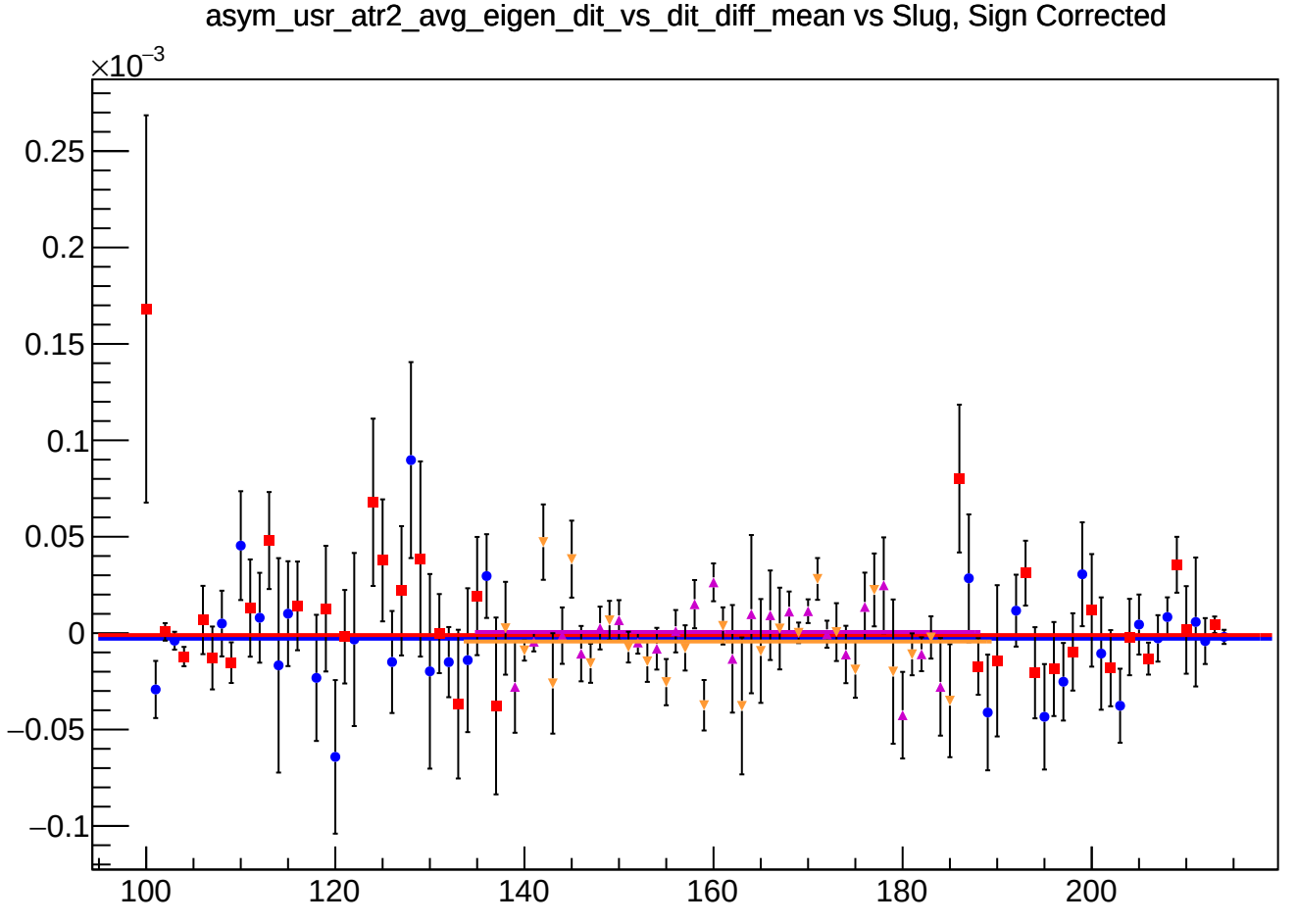
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 212.765+/-0.027 χ^2/NDF: 6779254.9/62

In: 255.176+/-0.032 χ^2/NDF:5474054.2/52

Out: 236.836+/-0.030 χ^2/NDF:9577046.0/57

All: 245.456+/-0.022 χ^2/NDF: 15227412.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 44.1/32

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

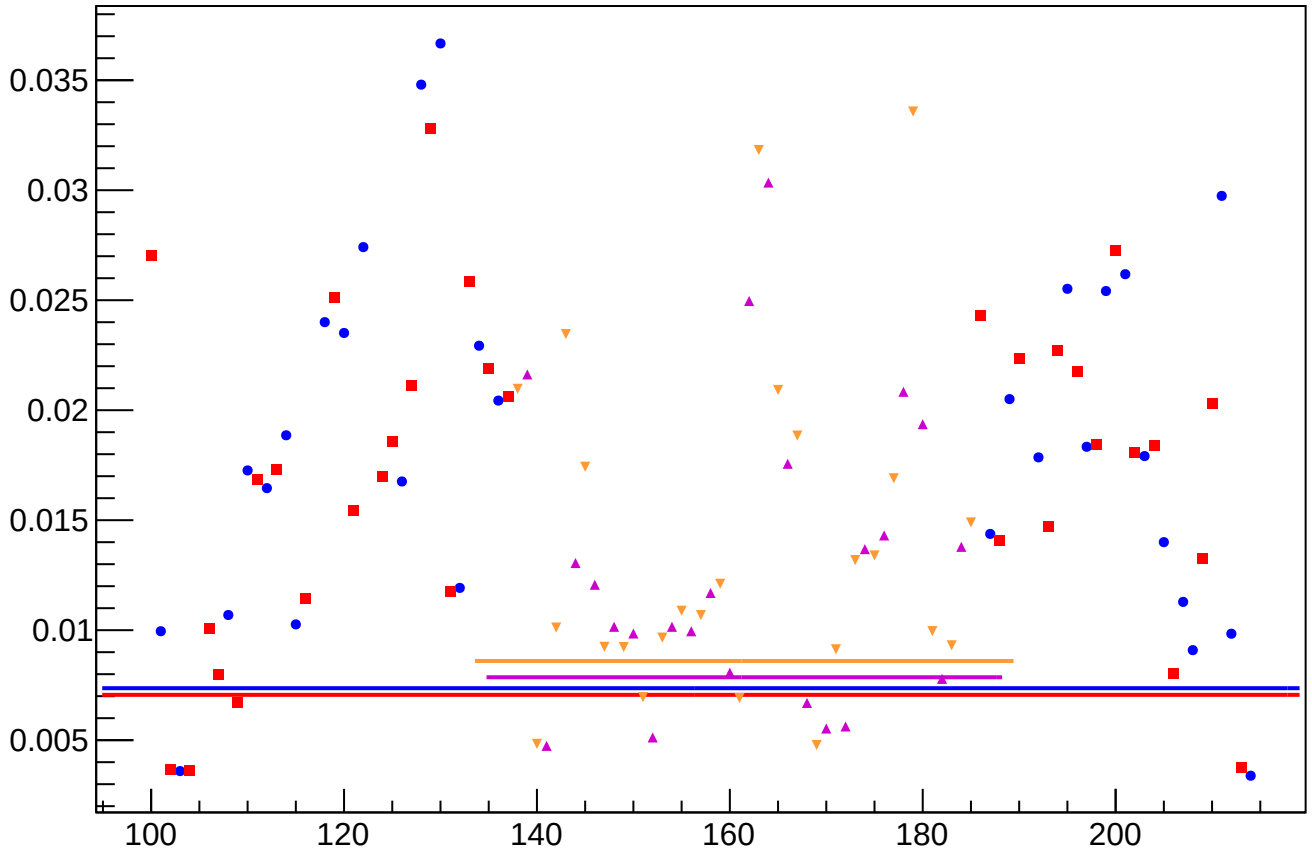
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 73.5/62

In: -0.000+/-0.000 χ^2/NDF:56.8/52

Out: -0.000+/-0.000 χ^2/NDF:87.6/57

All: -0.000+/-0.000 χ^2/NDF: 144.9/110



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

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

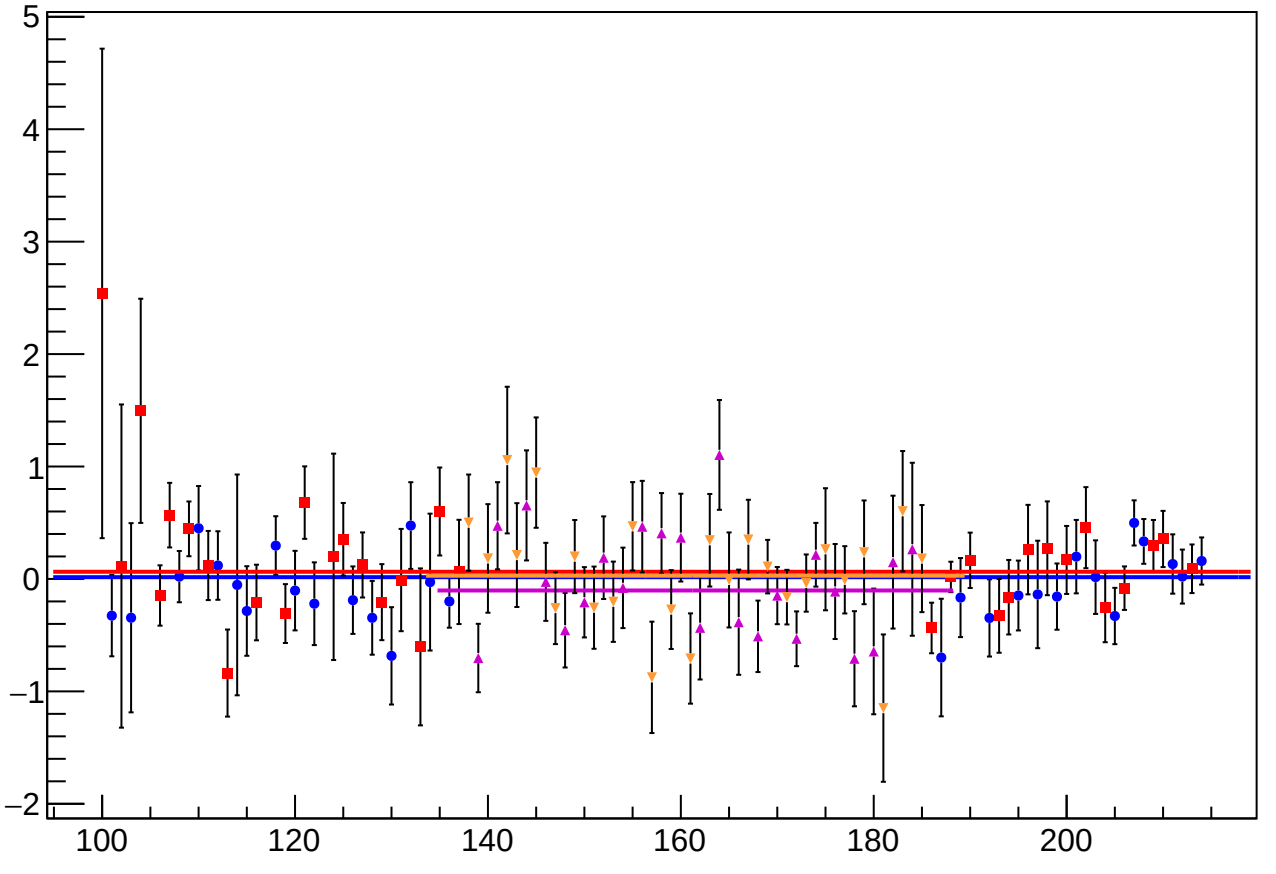
Right: 0.007+/-0.000 χ^2/NDF: 29523946.7/62

In: 0.008+/-0.000 χ^2/NDF:21788289.9/52

Out: 0.008+/-0.000 χ^2/NDF:22690078.2/57

All: 0.008+/-0.000 χ^2/NDF: 44489503.7/110

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

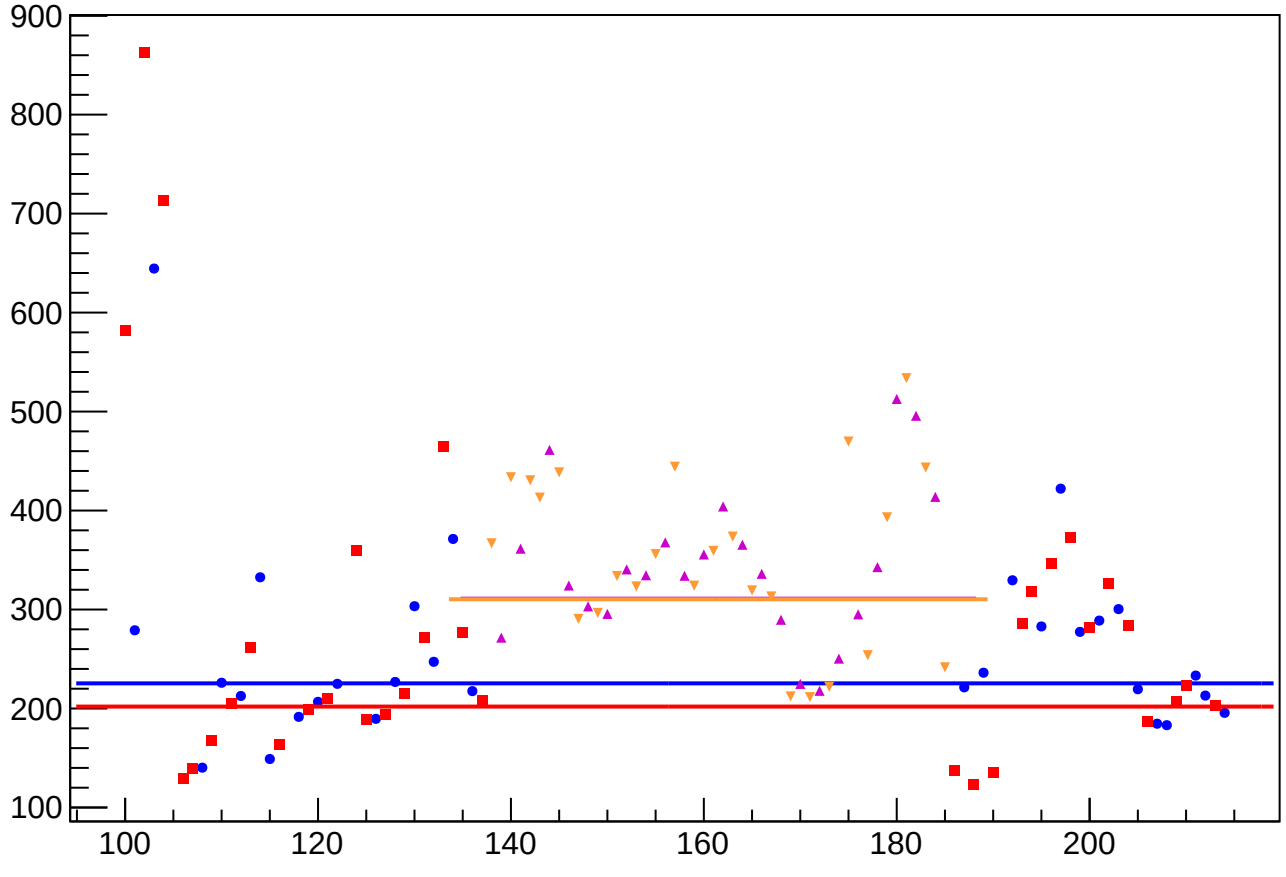
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.042+/-0.038 χ^2/NDF: 65.5/62

In: -0.025+/-0.045 χ^2/NDF:60.4/52

Out: 0.053+/-0.042 χ^2/NDF:64.1/57

All: 0.016+/-0.031 χ^2/NDF: 126.0/110



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

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

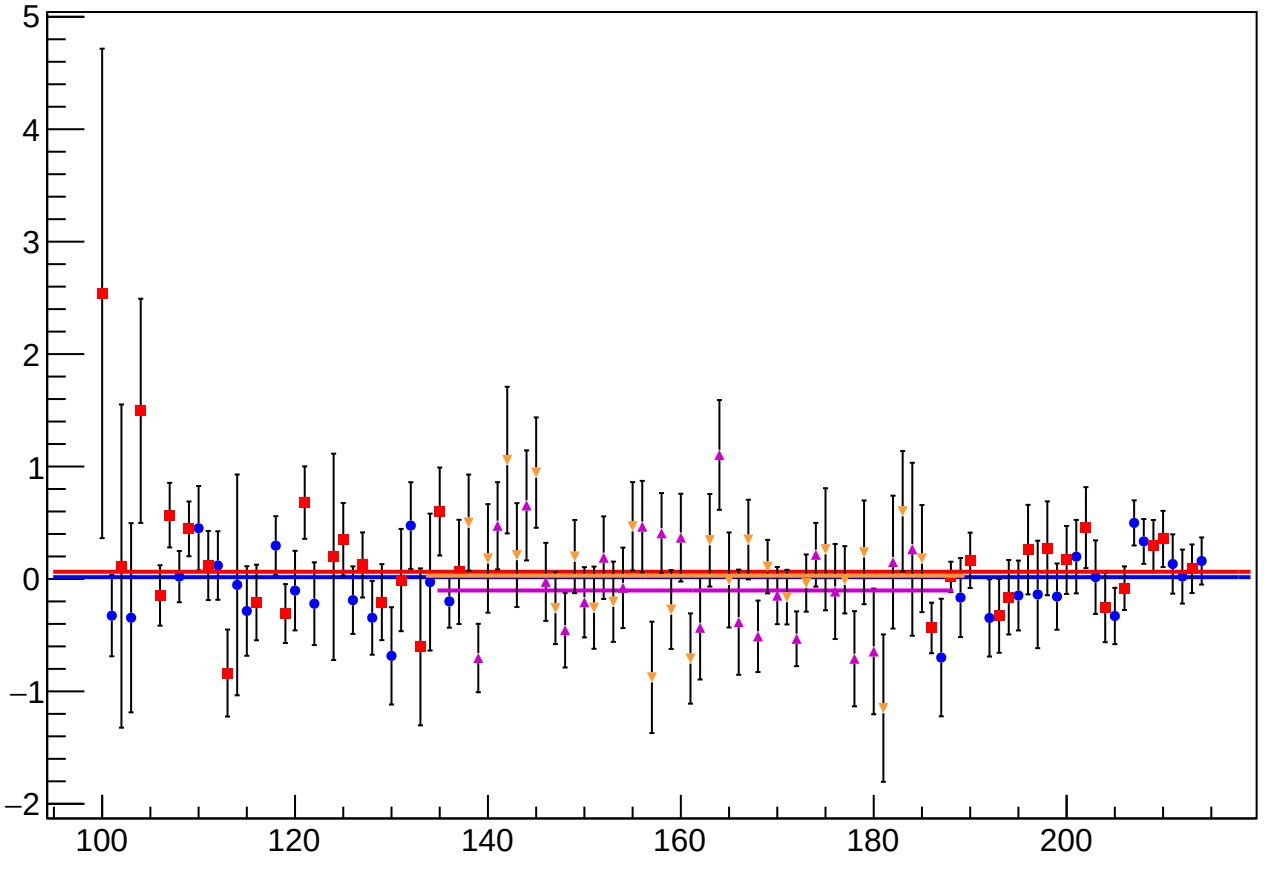
Right: 212.764+/-0.027 χ^2/NDF: 6779452.1/62

In: 255.177+/-0.032 χ^2/NDF:5474224.0/52

Out: 236.834+/-0.030 χ^2/NDF:9577543.9/57

All: 245.455+/-0.022 χ^2/NDF: 15228116.8/11

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

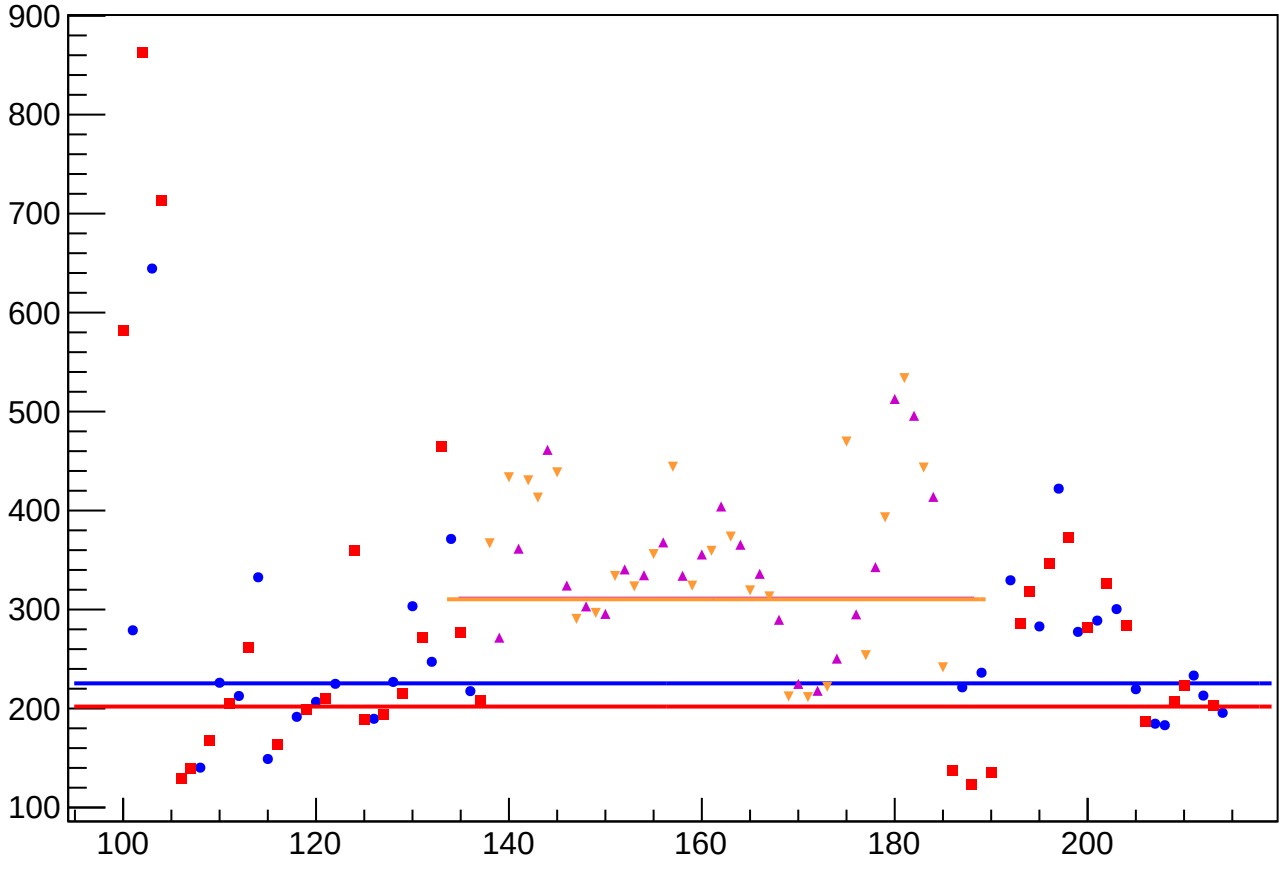
Right: 0.042+/-0.038 χ^2/NDF: 65.5/62

In: -0.025+/-0.045 χ^2/NDF:60.4/52

Out: 0.053+/-0.042 χ^2/NDF:64.1/57

All: 0.016+/-0.031 χ^2/NDF: 126.0/110

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

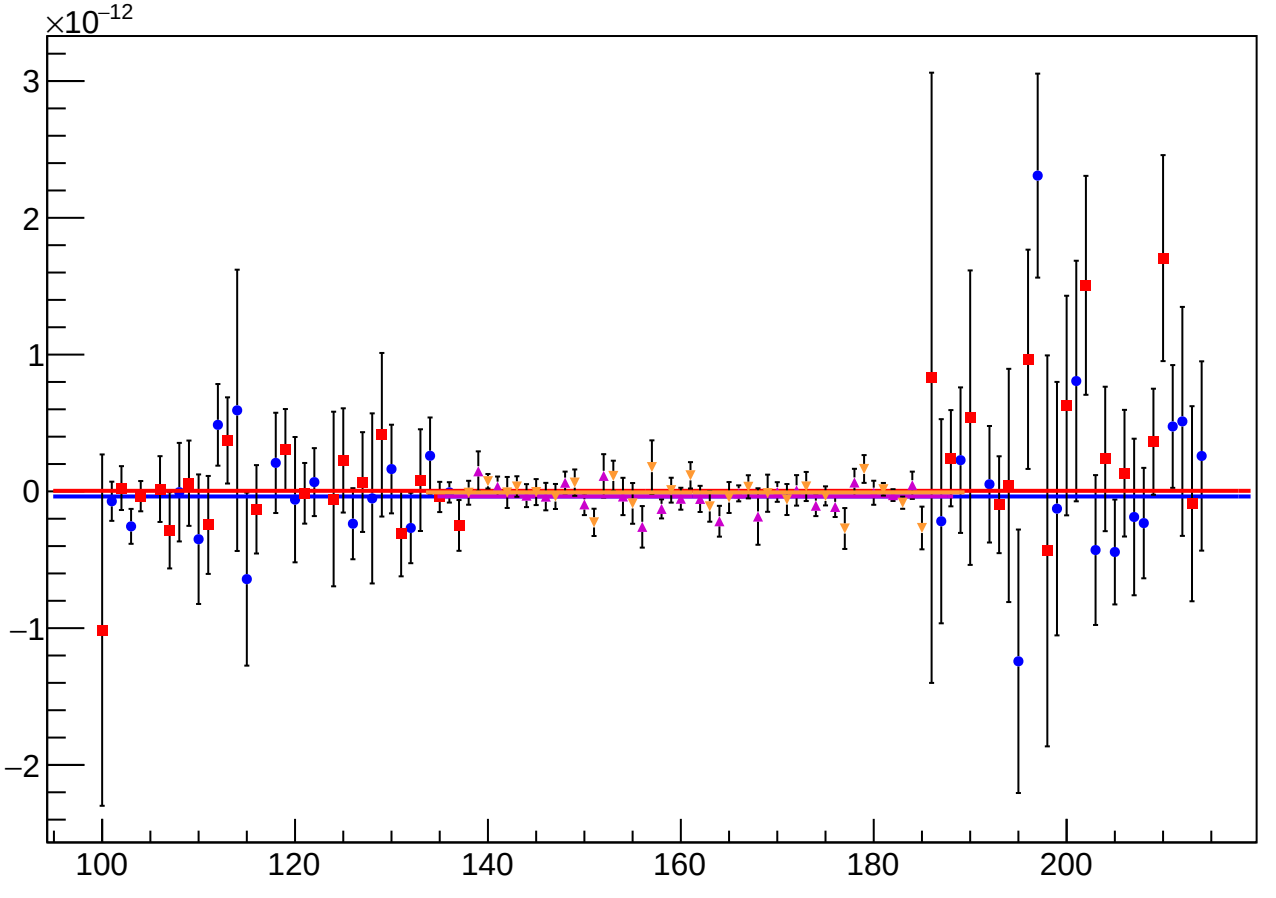
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

Right: 212.764+/-0.027 χ^2/NDF: 6779452.1/62

In: 255.177+/-0.032 χ^2/NDF:5474224.0/52

Out: 236.834+/-0.030 χ^2/NDF:9577543.9/57

All: 245.455+/-0.022 χ^2/NDF: 15228116.8/1



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

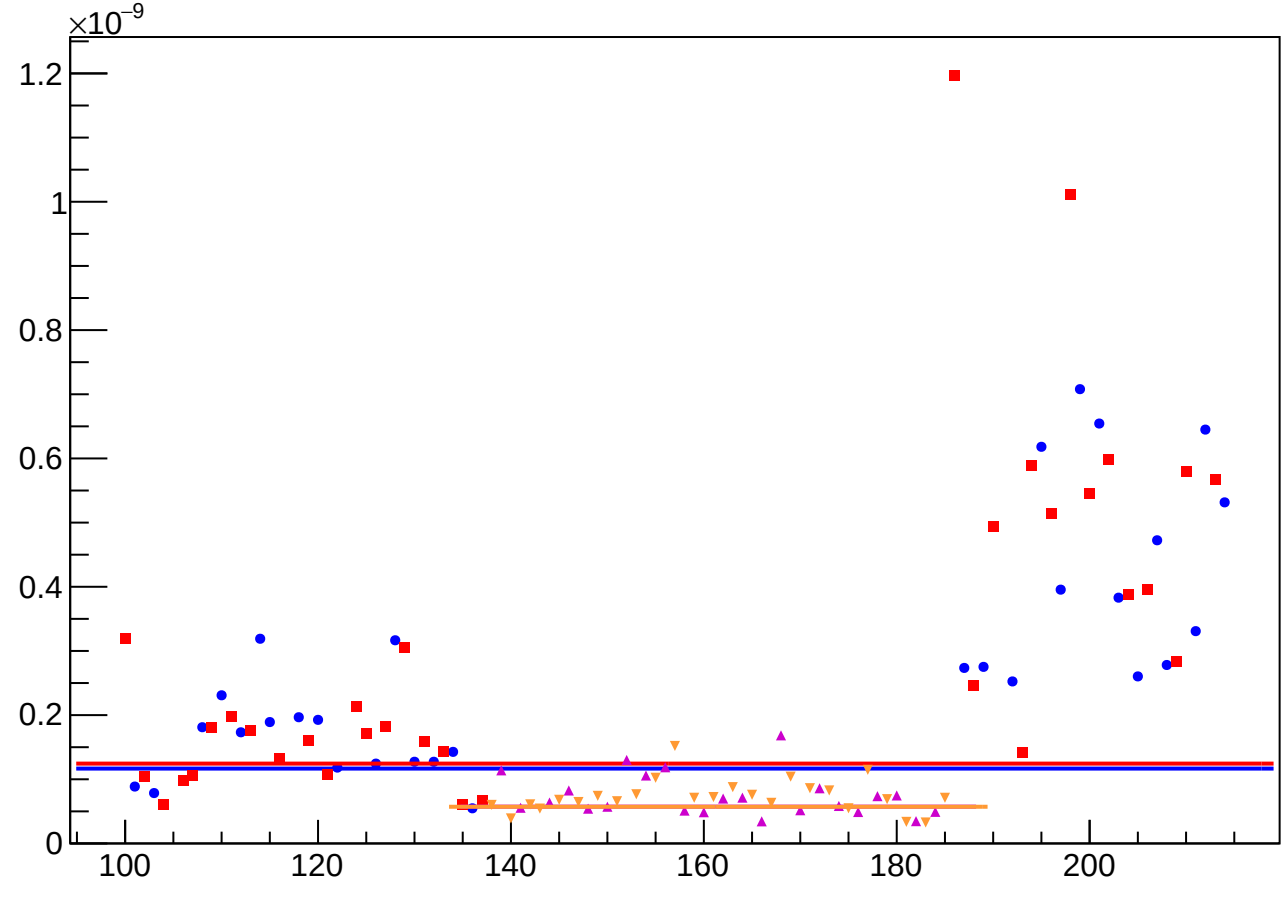
Left: -0.000+/-0.000 χ^2/NDF: 44.0/47

Right: -0.000+/-0.000 χ^2/NDF: 50.1/62

In: -0.000+/-0.000 χ^2/NDF:44.8/52

Out: -0.000+/-0.000 χ^2/NDF:47.5/57

All: -0.000+/-0.000 χ^2/NDF: 94.1/110



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

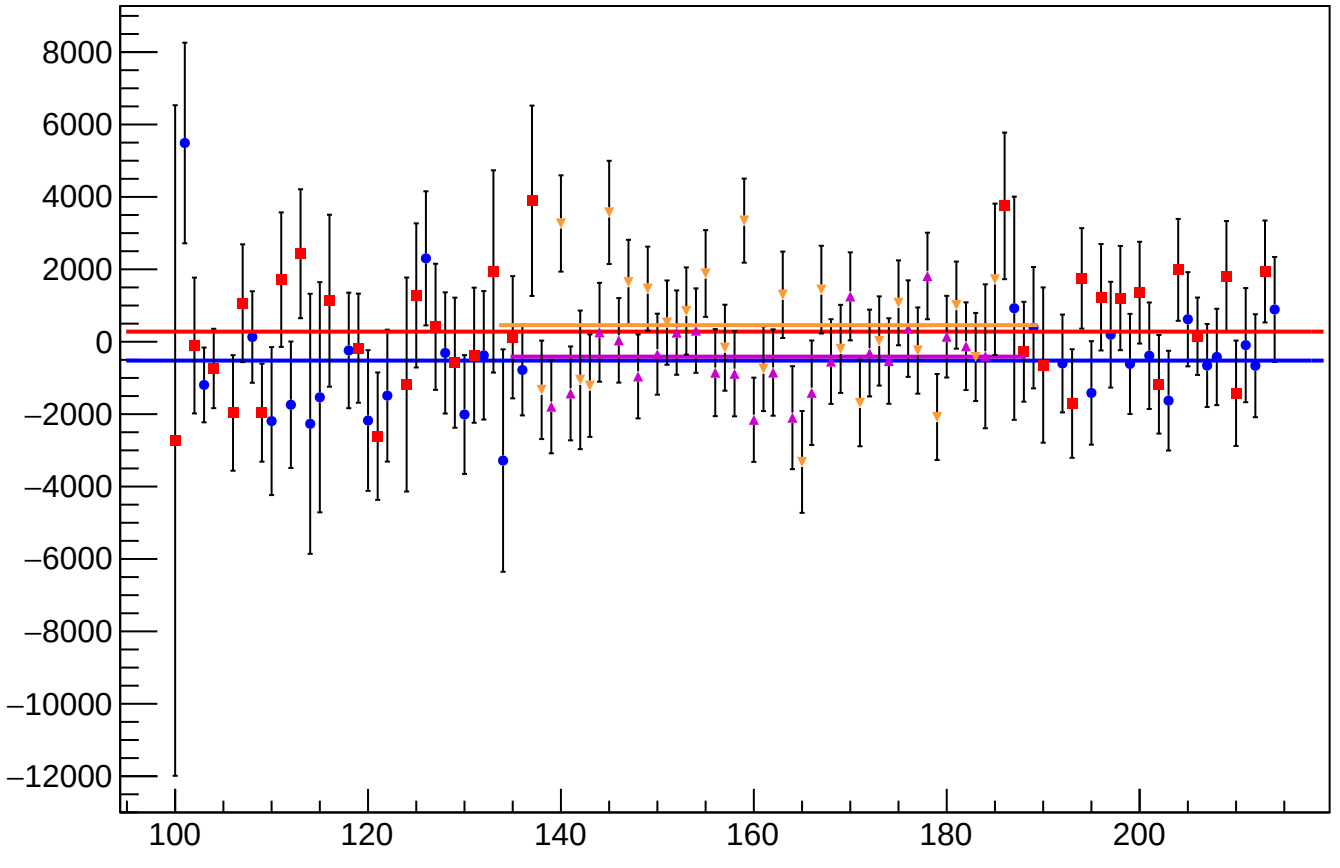
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18328210.4/62

In: 0.000+/-0.000 χ^2/NDF:15097046.2/52

Out: 0.000+/-0.000 χ^2/NDF:15916625.6/57

All: 0.000+/-0.000 χ^2/NDF: 31013687.3/110



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

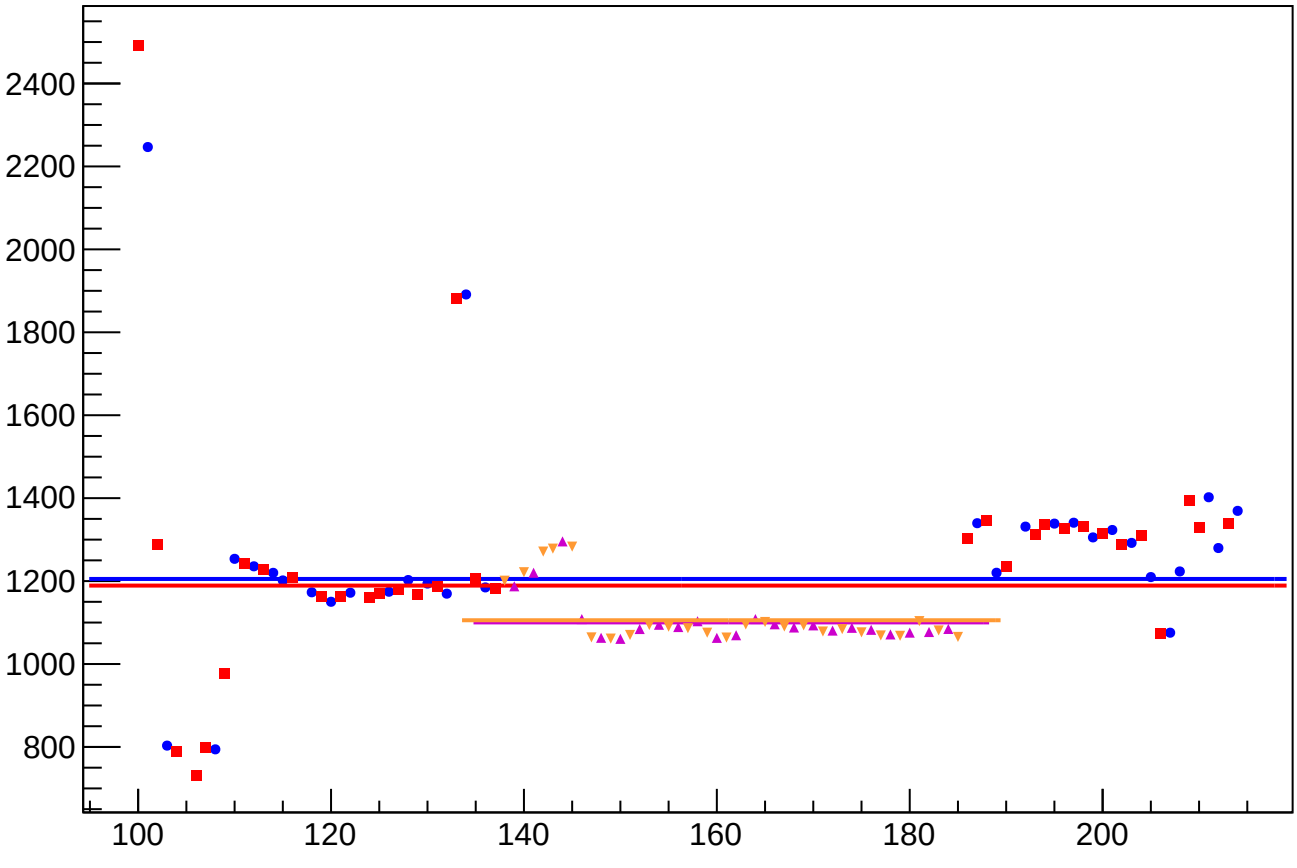
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -114.353+/-200.485 χ^2/NDF: 47.6/62

In: -460.224+/-191.184 χ^2/NDF:29.3/52

Out: 379.029+/-187.509 χ^2/NDF:70.3/57

All: -32.453+/-133.869 χ^2/NDF: 109.5/110



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

Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

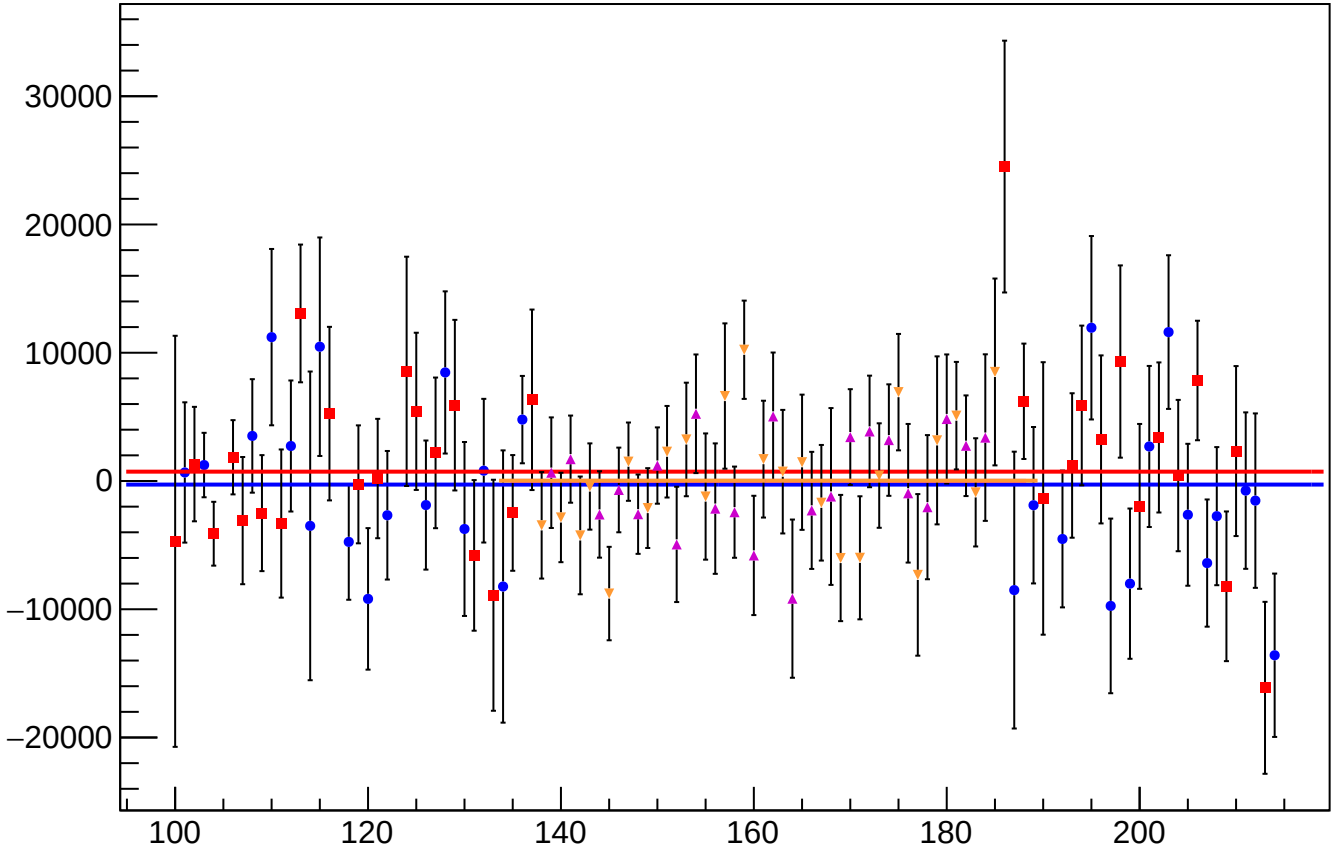
Right: 1196.998+/-0.141 χ^2/NDF: 2138637.9/62

In: 1147.248+/-0.135 χ^2/NDF:1308231.9/52

Out: 1142.856+/-0.132 χ^2/NDF:1276600.1/57

All: 1145.006+/-0.095 χ^2/NDF: 2585370.9/11

asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected



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

Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

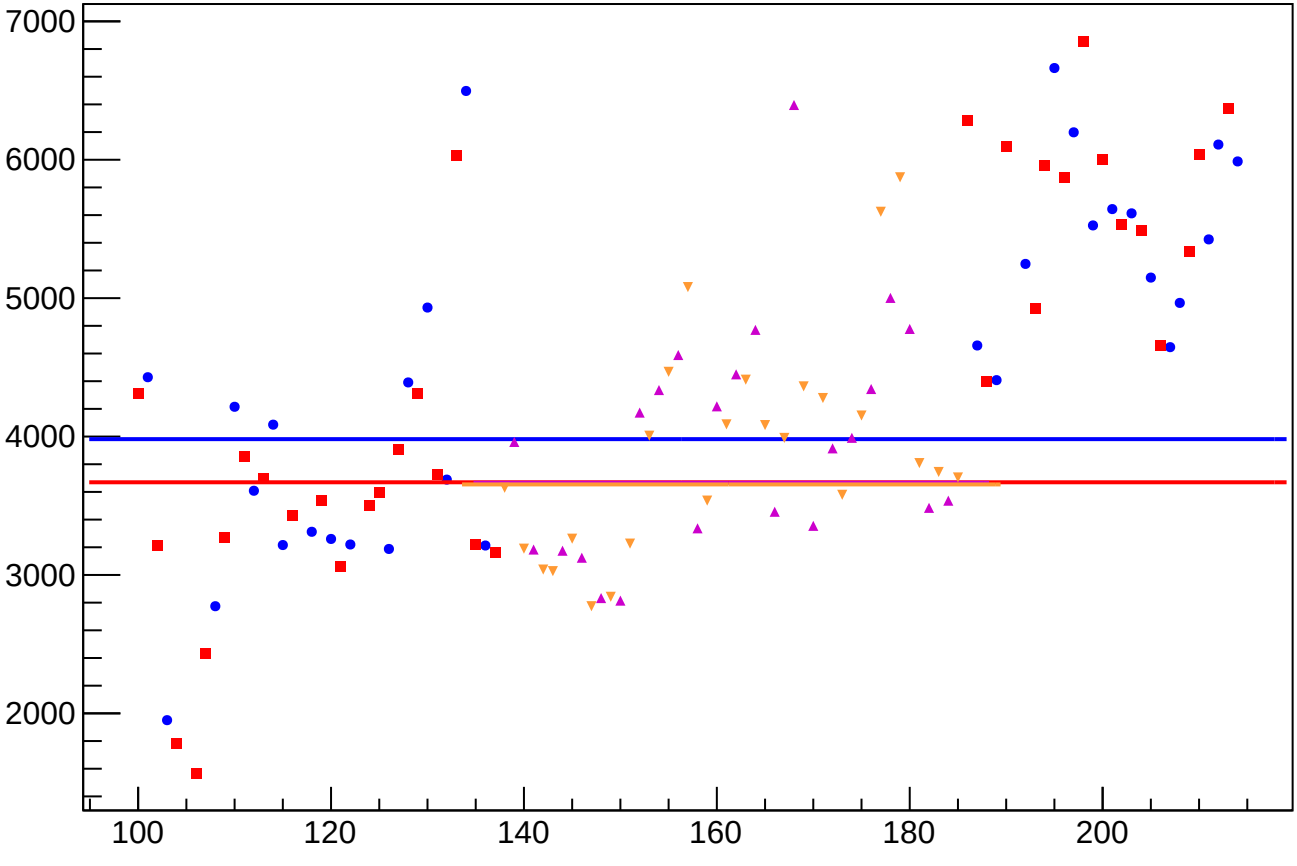
Right: 256.776+/-672.857 χ^2/NDF: 71.7/62

In: -120.049+/-653.931 χ^2/NDF:47.3/52

Out: 347.266+/-625.192 χ^2/NDF:66.8/57

All: 124.103+/-451.896 χ^2/NDF: 114.3/110

asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected



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

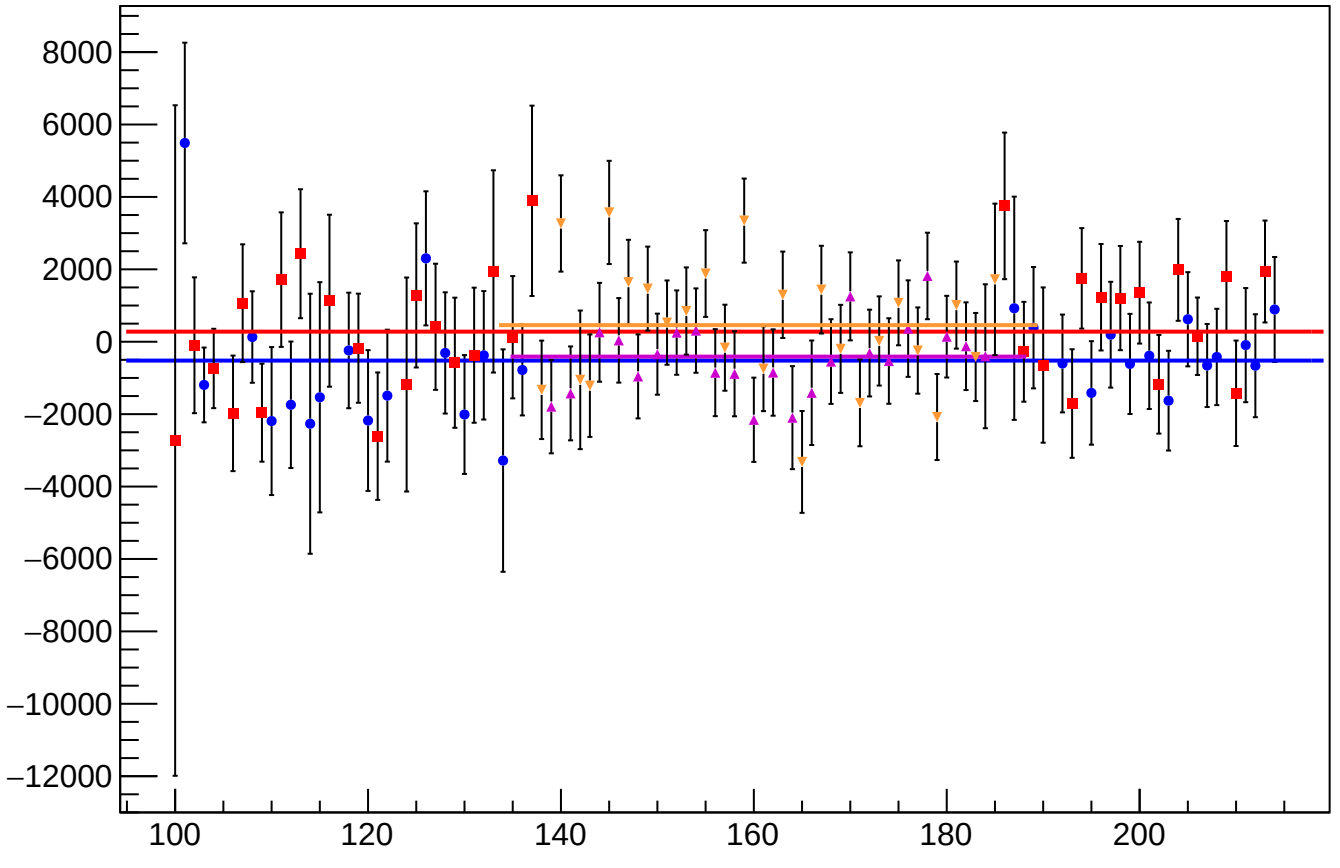
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3815.423+/-0.476 χ^2/NDF: 9142596.4/62

In: 3805.384+/-0.462 χ^2/NDF:5146758.6/52

Out: 3661.282+/-0.442 χ^2/NDF:6659348.4/57

All: 3730.097+/-0.320 χ^2/NDF: 11856847.7/1



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

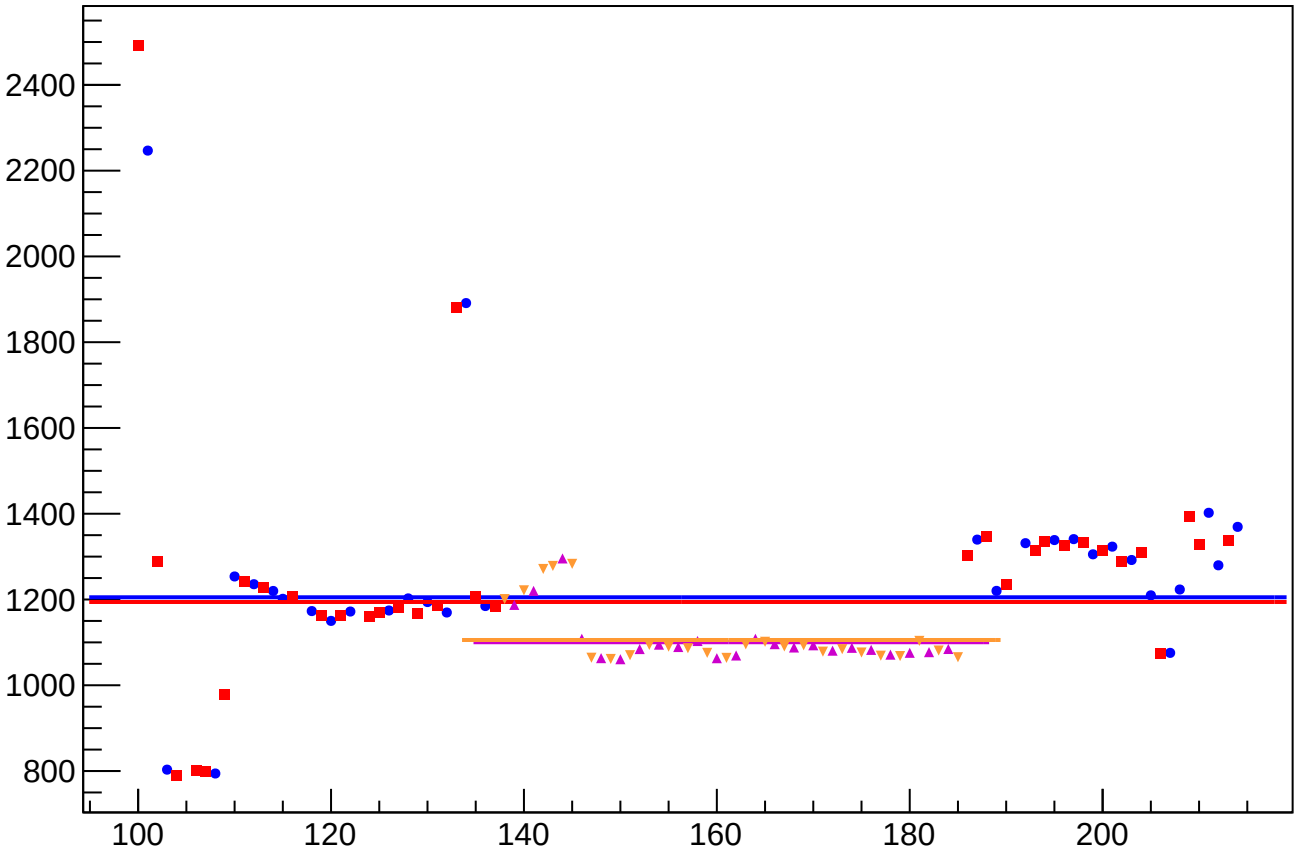
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -114.454+/-200.486 χ^2/NDF: 47.6/62

In: -460.185+/-191.184 χ^2/NDF:29.3/52

Out: 378.992+/-187.509 χ^2/NDF:70.3/57

All: -32.454+/-133.869 χ^2/NDF: 109.5/110



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

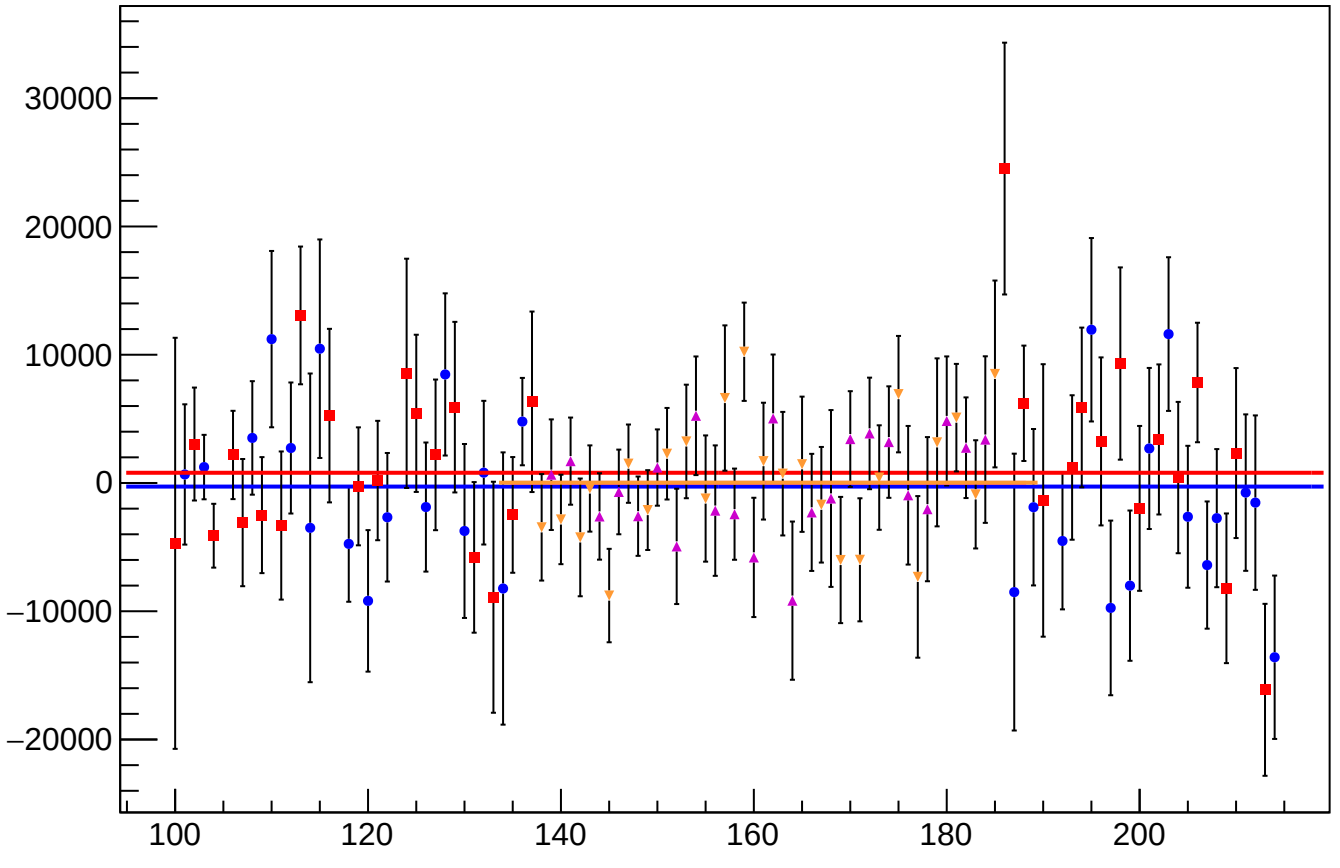
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1199.583+/-0.142 χ^2/NDF: 2055504.0/62

In: 1147.249+/-0.135 χ^2/NDF:1308228.0/52

Out: 1144.972+/-0.133 χ^2/NDF:1207039.5/57

All: 1146.088+/-0.095 χ^2/NDF: 2515412.1/11



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

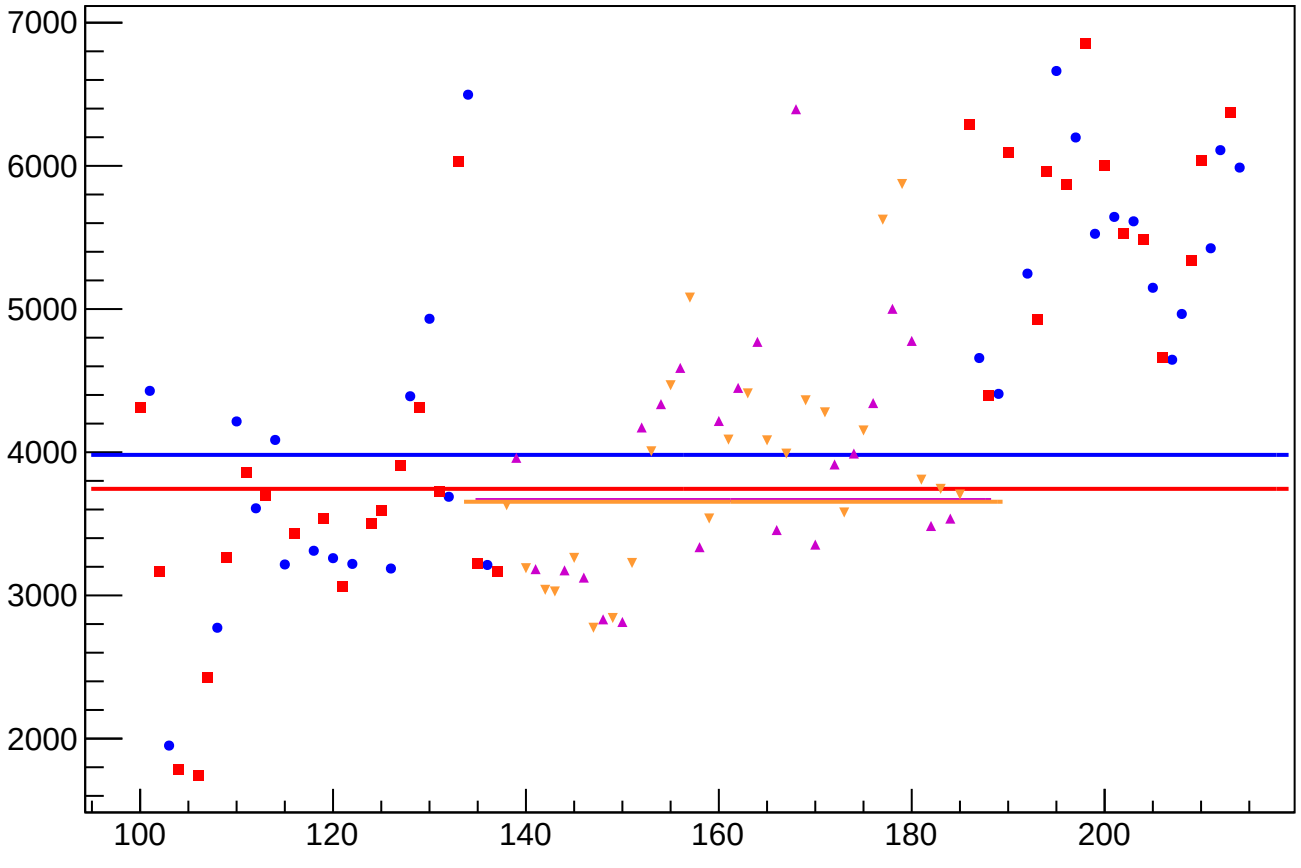
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

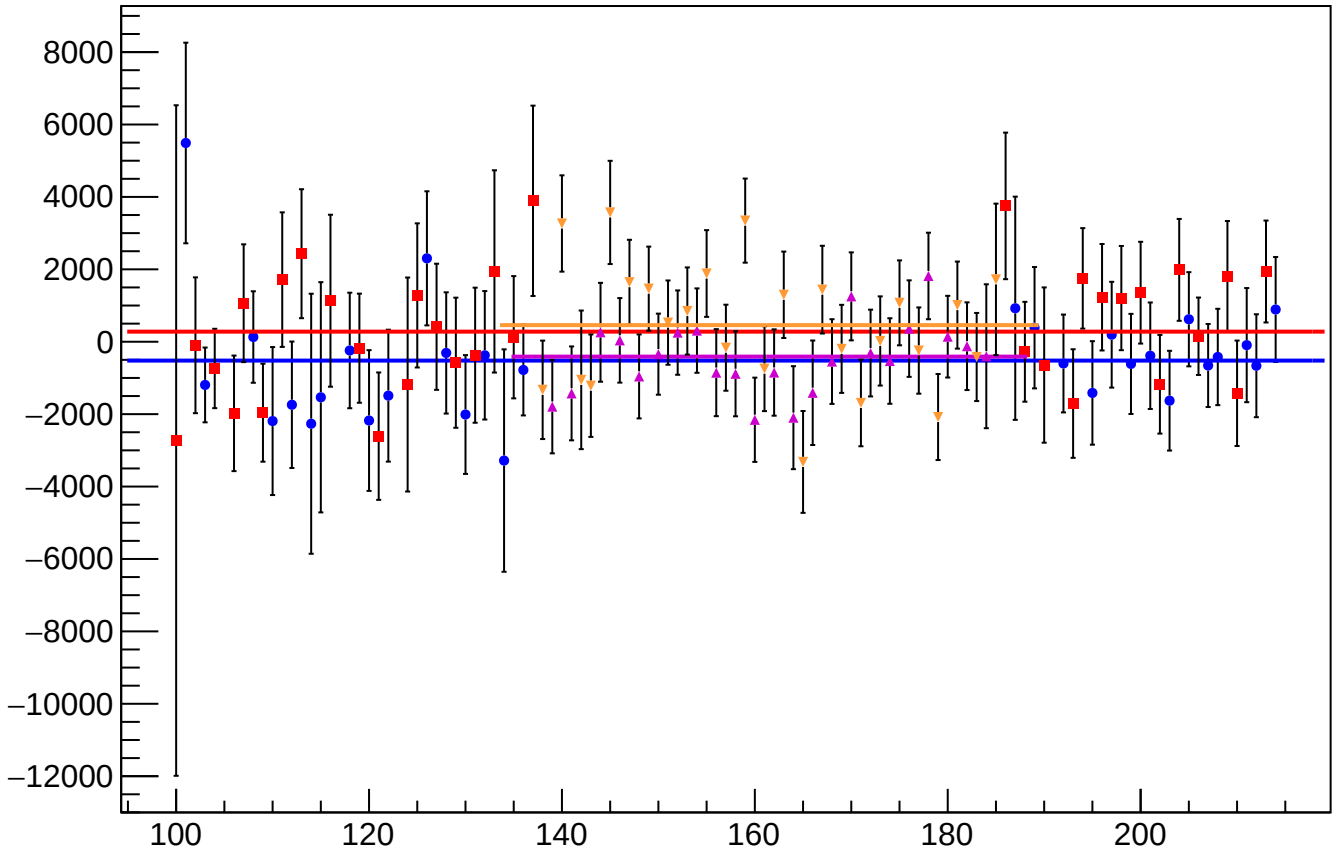
Right: 285.437+/-678.047 χ^2/NDF: 72.1/62

In: -120.206+/-653.938 χ^2/NDF:47.3/52

Out: 373.326+/-629.343 χ^2/NDF:67.1/57

All: 136.015+/-453.458 χ^2/NDF: 114.7/110


asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3981.504+/-0.696 χ²/NDF: 3687532.4/29
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3744.307+/-0.662 χ²/NDF: 4909726.3/32
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
Left: 3659.983+/-0.431 χ²/NDF: 2655671.8/47
Right: 3856.966+/-0.479 χ²/NDF: 8658293.6/62
In: 3805.448+/-0.462 χ²/NDF:5145970.6/52
Out: 3694.955+/-0.445 χ²/NDF:6231653.4/57
All: 3748.084+/-0.321 χ²/NDF: 11407267.3/1



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

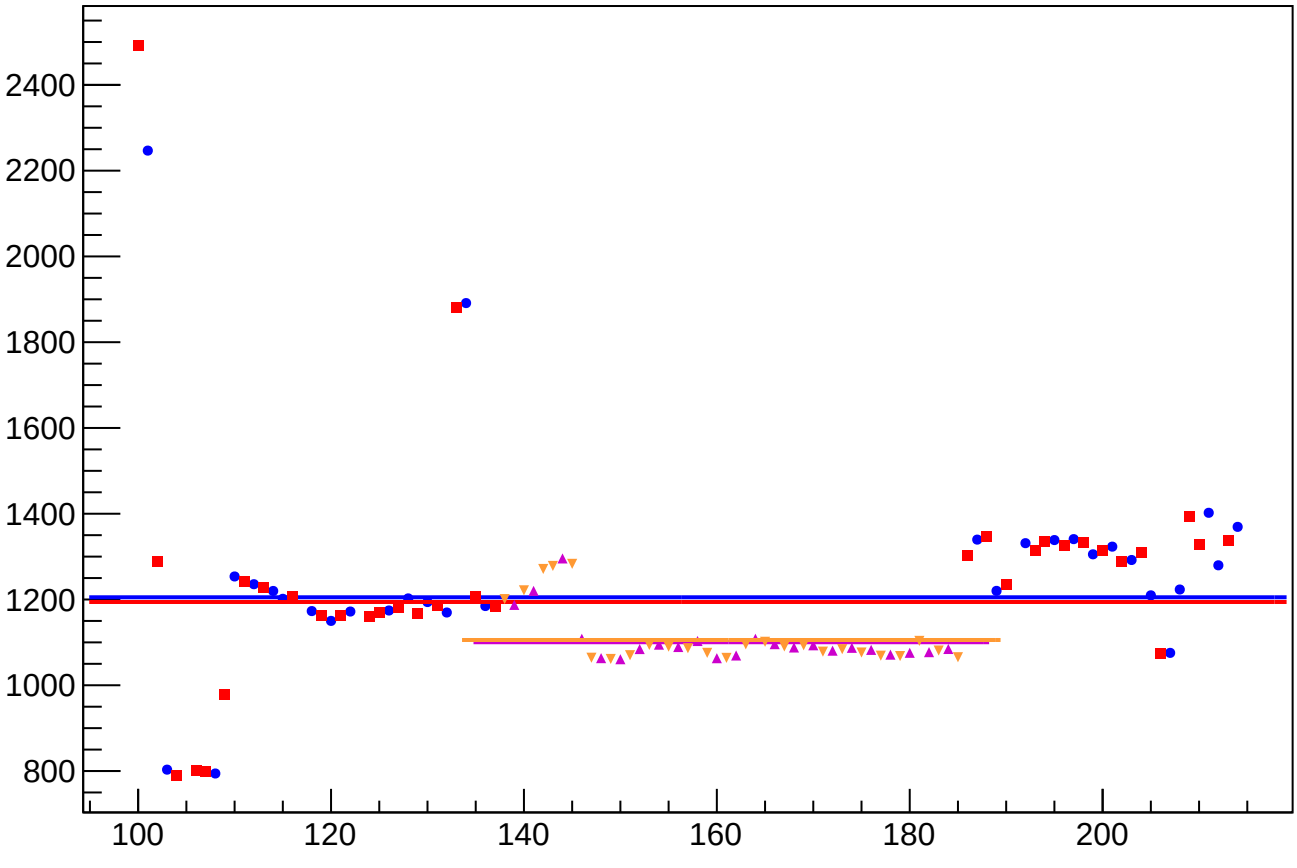
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -114.454+/-200.486 χ^2/NDF: 47.6/62

In: -460.185+/-191.184 χ^2/NDF:29.3/52

Out: 378.992+/-187.509 χ^2/NDF:70.3/57

All: -32.454+/-133.869 χ^2/NDF: 109.5/110



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

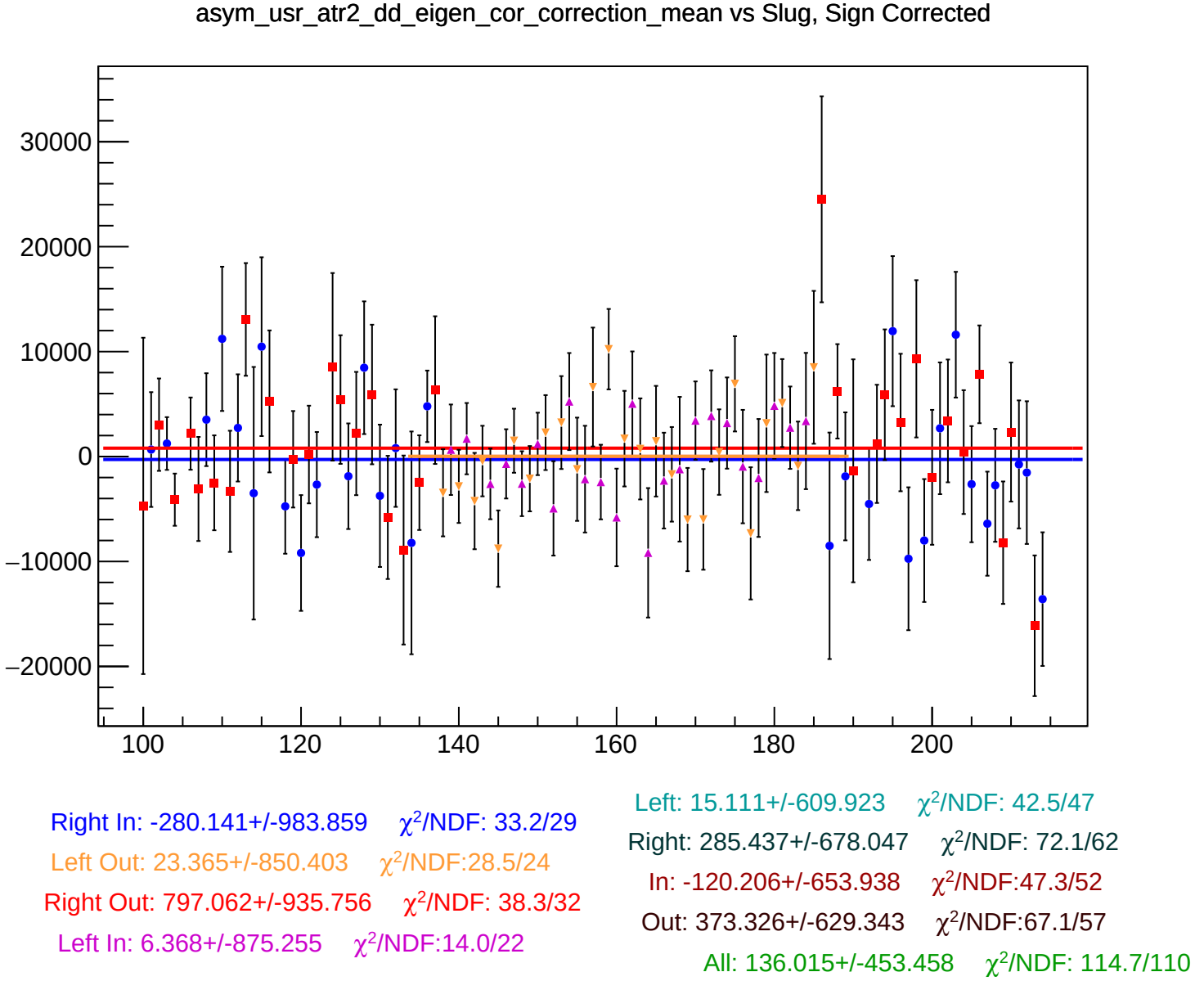
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1199.583+/-0.142 χ^2/NDF: 2055504.0/62

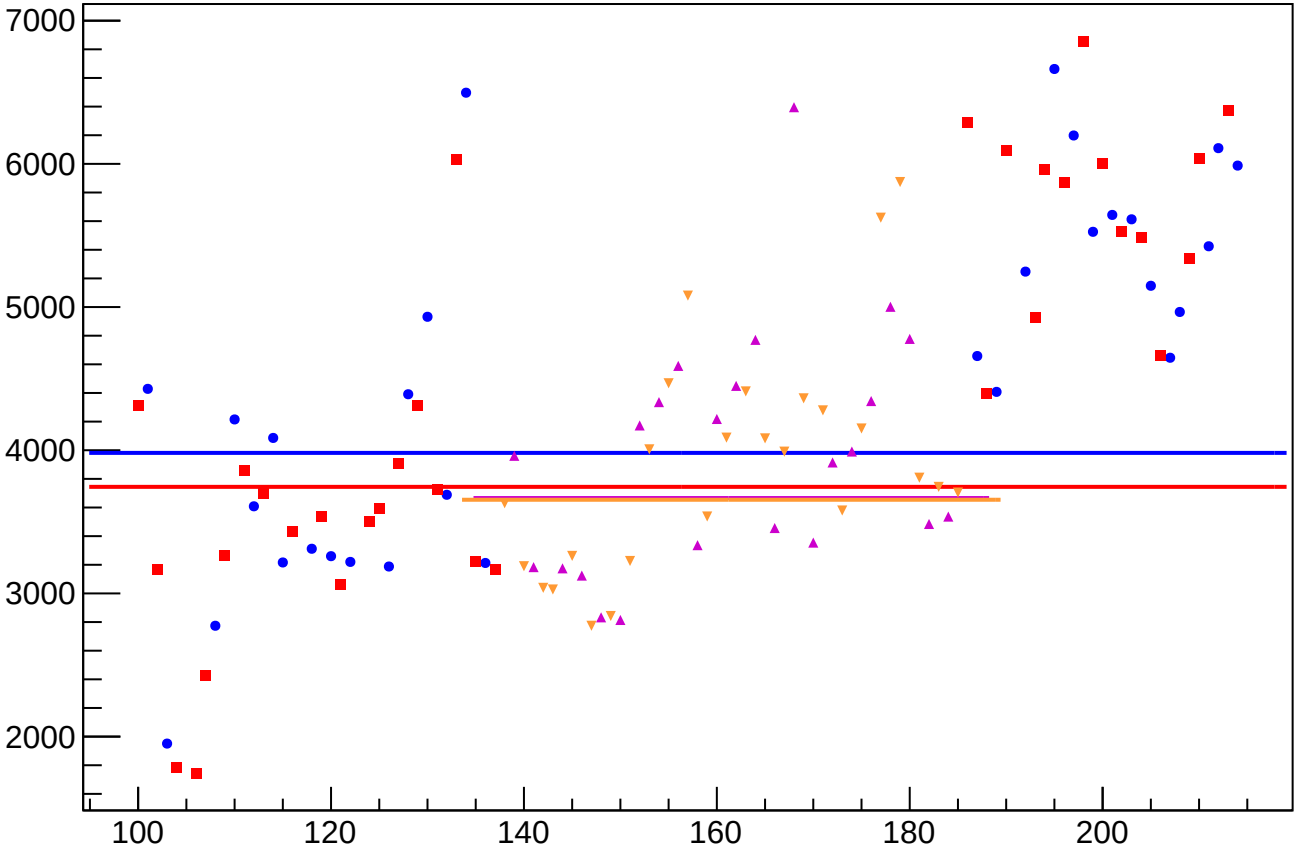
In: 1147.249+/-0.135 χ^2/NDF:1308228.0/52

Out: 1144.972+/-0.133 χ^2/NDF:1207039.5/57

All: 1146.088+/-0.095 χ^2/NDF: 2515412.1/11


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -280.141+/-983.859 χ²/NDF: 33.2/29
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 797.062+/-935.756 χ²/NDF: 38.3/32
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 285.437+/-678.047 χ²/NDF: 72.1/62
In: -120.206+/-653.938 χ²/NDF:47.3/52
Out: 373.326+/-629.343 χ²/NDF:67.1/57
All: 136.015+/-453.458 χ²/NDF: 114.7/110

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

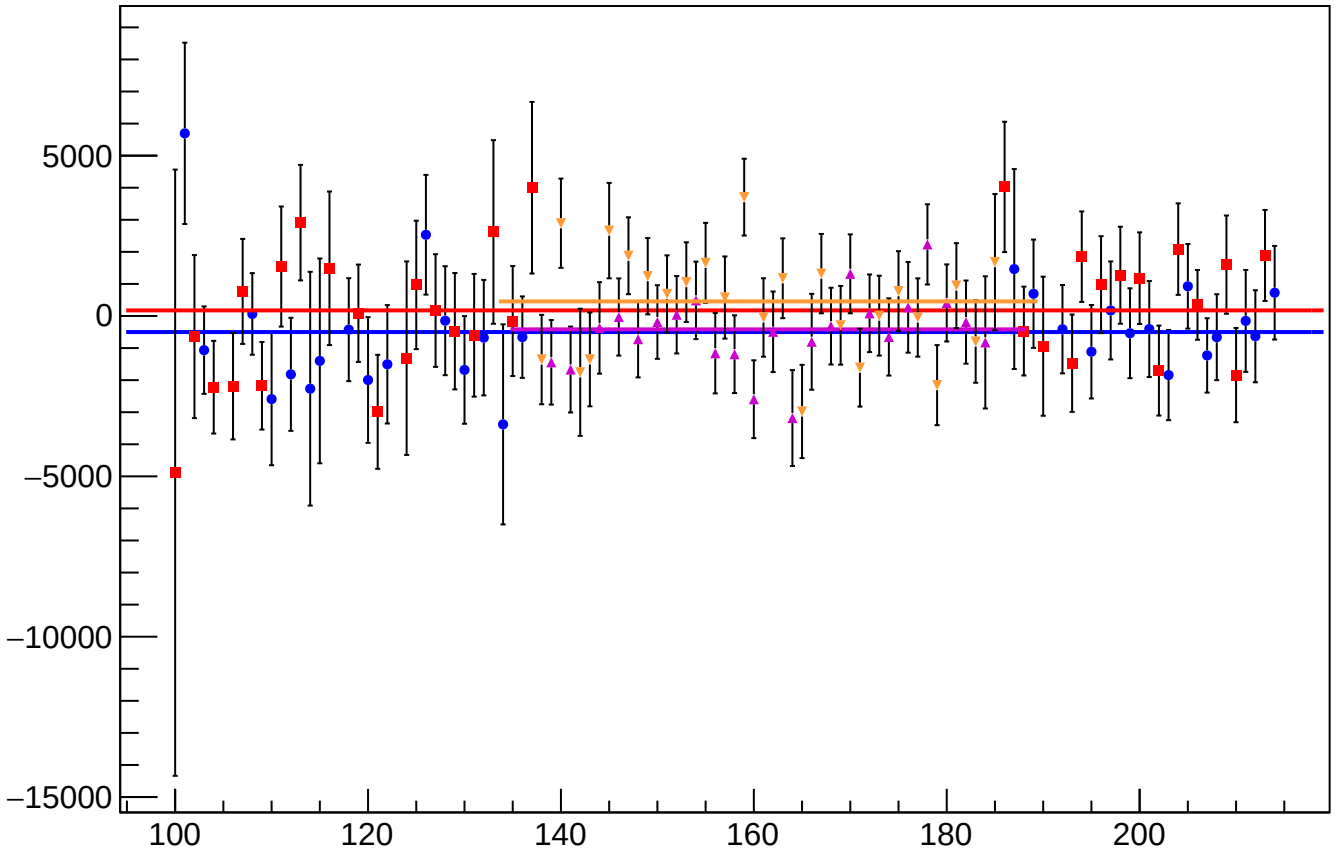
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3856.966+/-0.479 χ^2/NDF: 8658293.6/62

In: 3805.448+/-0.462 χ^2/NDF:5145970.6/52

Out: 3694.955+/-0.445 χ^2/NDF:6231653.4/57

All: 3748.084+/-0.321 χ^2/NDF: 11407267.3/1



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

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

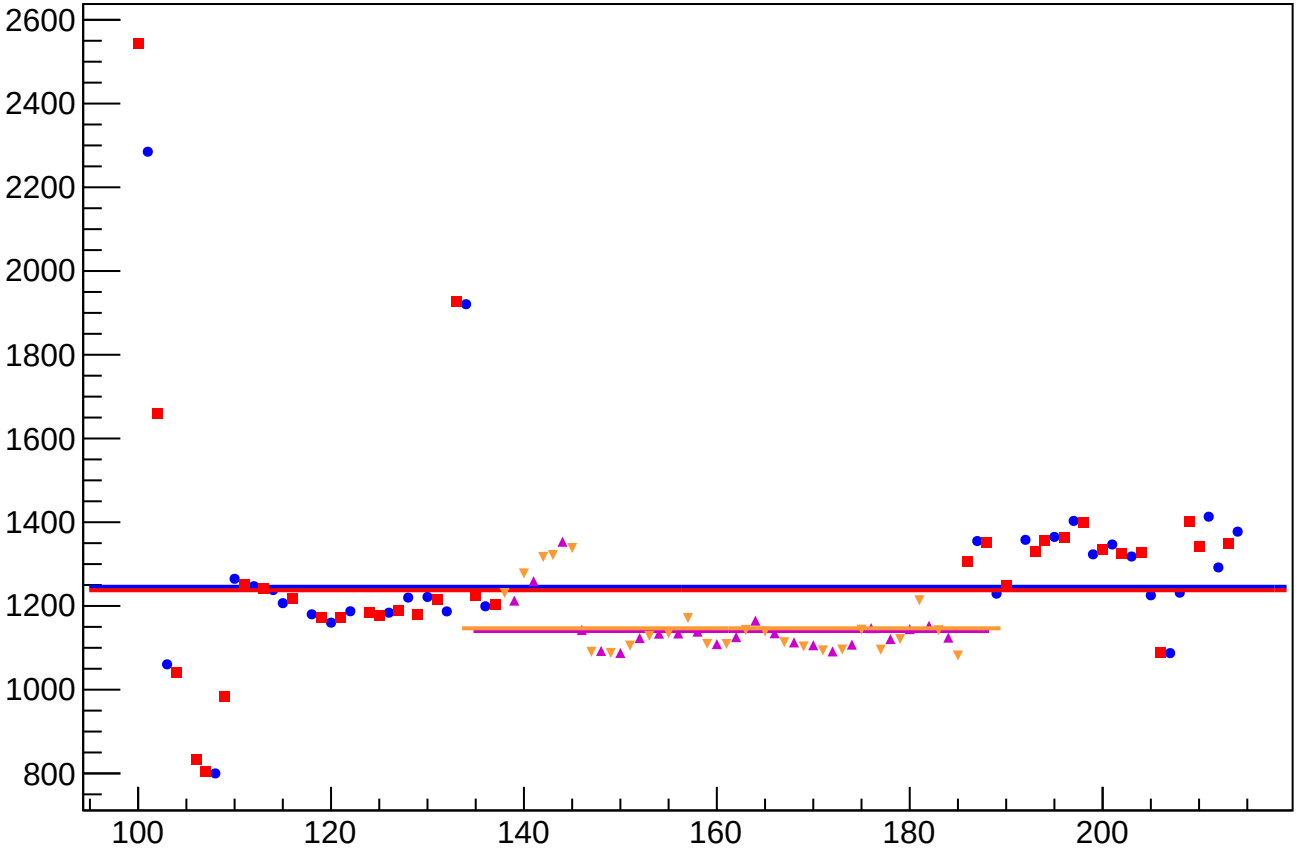
Right: -158.770+/-206.963 χ^2/NDF: 53.1/62

In: -454.582+/-197.604 χ^2/NDF:33.9/52

Out: 330.510+/-194.307 χ^2/NDF:70.5/57

All: -55.432+/-138.546 χ^2/NDF: 112.5/110

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



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

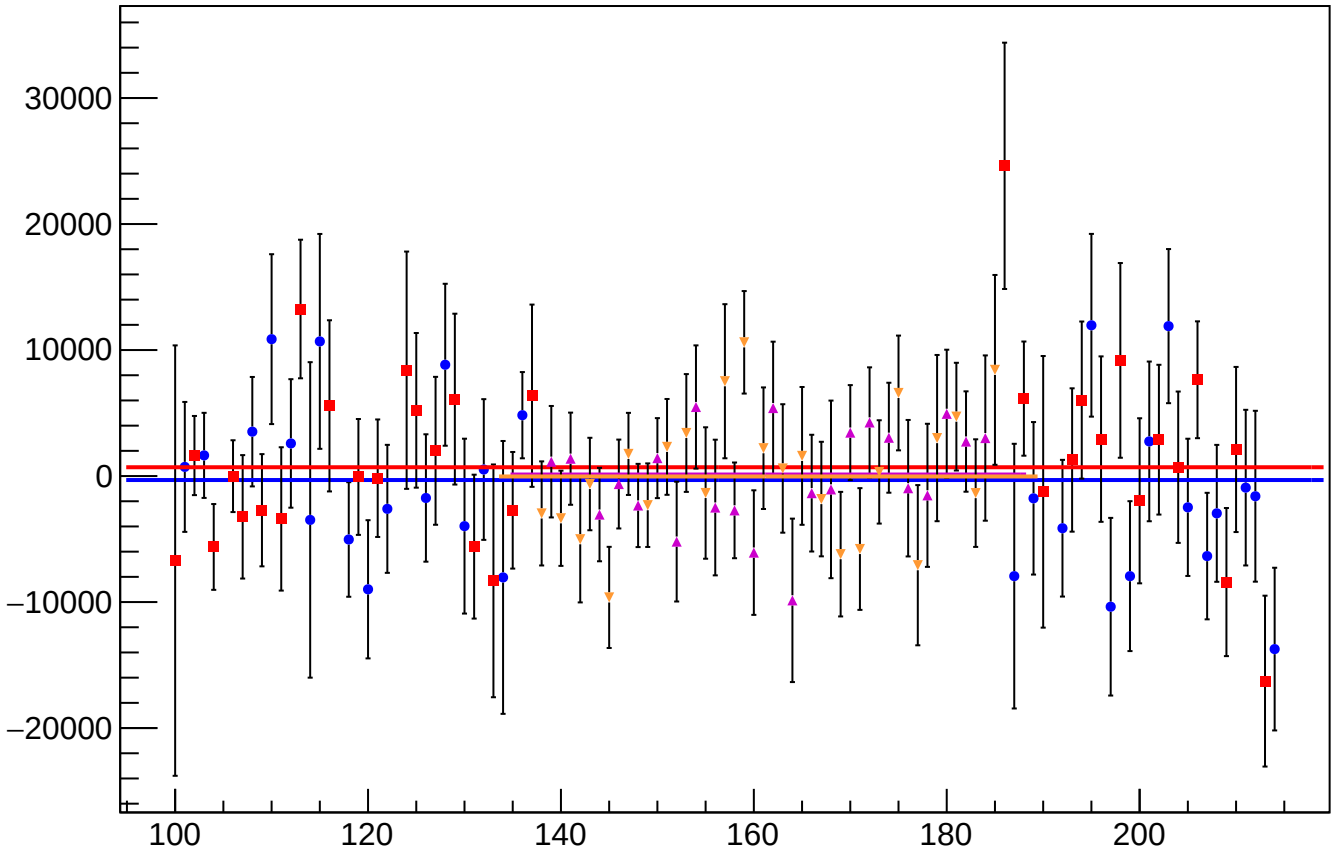
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1241.592+/-0.146 χ^2/NDF: 1586218.5/62

In: 1187.755+/-0.140 χ^2/NDF:1039392.8/52

Out: 1187.136+/-0.137 χ^2/NDF:1021341.8/57

All: 1187.440+/-0.098 χ^2/NDF: 2060744.6/11



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

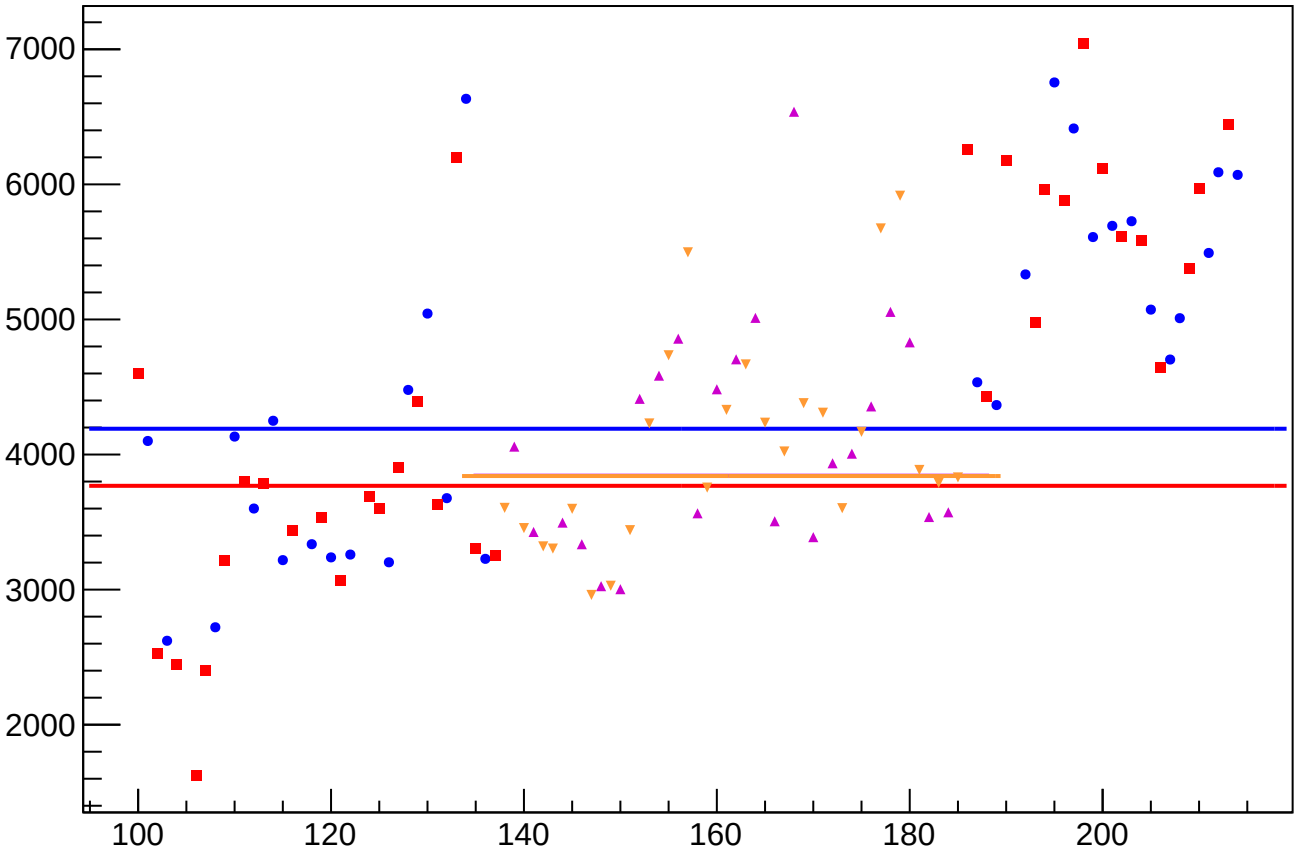
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 237.117+/-689.322 χ^2/NDF: 70.9/62

In: -73.540+/-681.881 χ^2/NDF:46.8/52

Out: 315.731+/-644.831 χ^2/NDF:65.4/57

All: 131.958+/-468.515 χ^2/NDF: 112.4/110



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

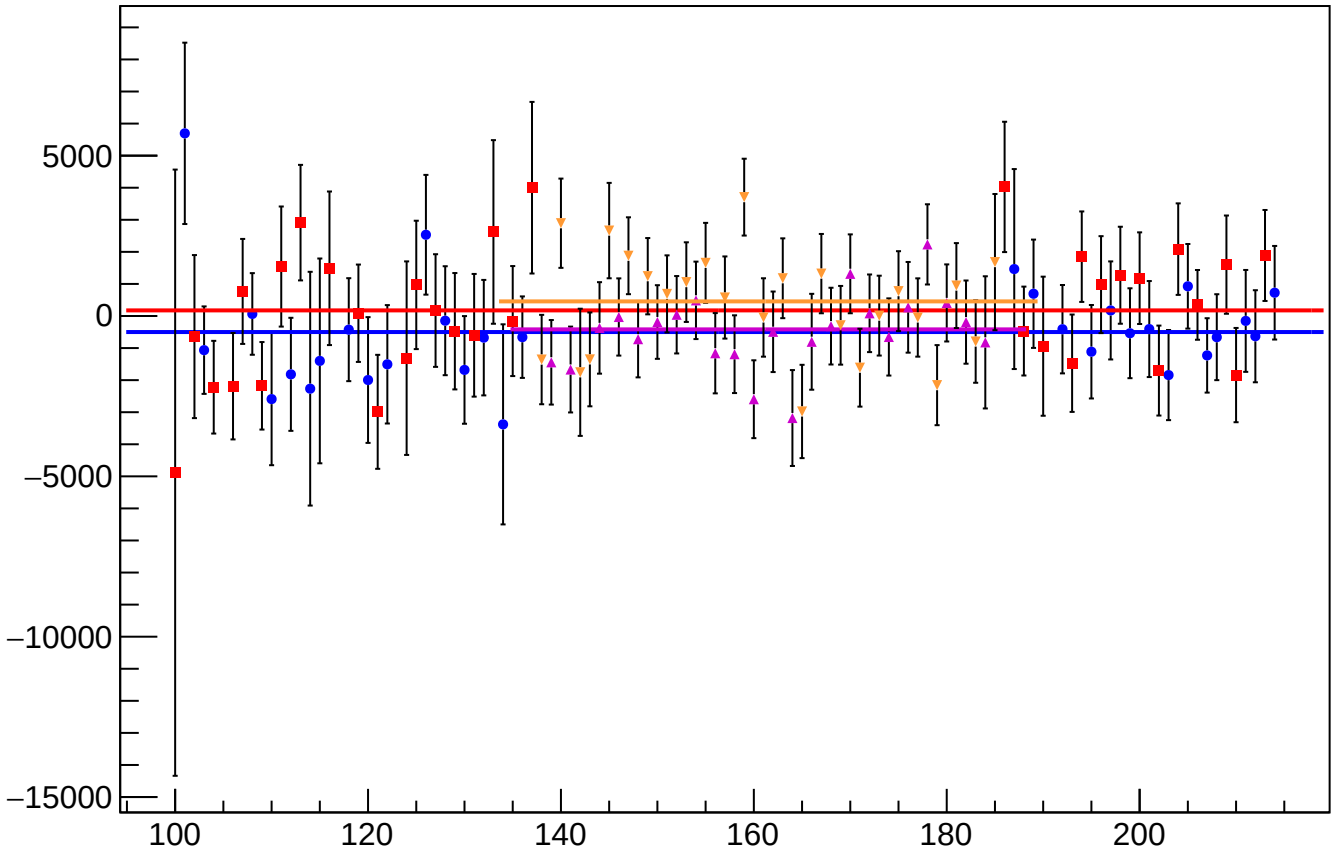
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3960.817+/-0.487 χ^2/NDF: 7670443.6/62

In: 3998.214+/-0.482 χ^2/NDF:4053229.3/52

Out: 3806.321+/-0.456 χ^2/NDF:5880276.7/57

All: 3896.913+/-0.331 χ^2/NDF: 10017122.0/1



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

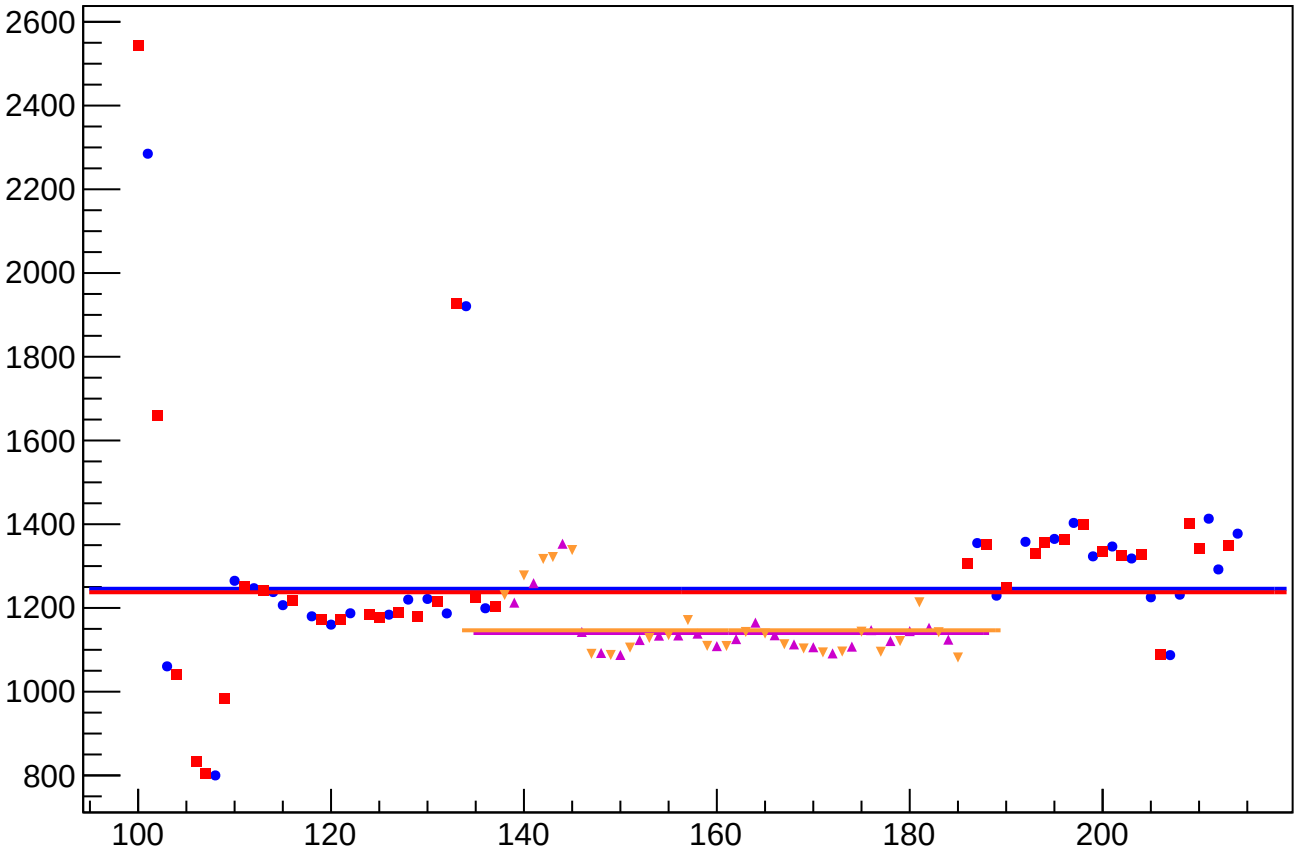
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -158.769+/-206.963 χ^2/NDF: 53.1/62

In: -454.581+/-197.604 χ^2/NDF:33.9/52

Out: 330.512+/-194.307 χ^2/NDF:70.5/57

All: -55.430+/-138.546 χ^2/NDF: 112.5/110



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

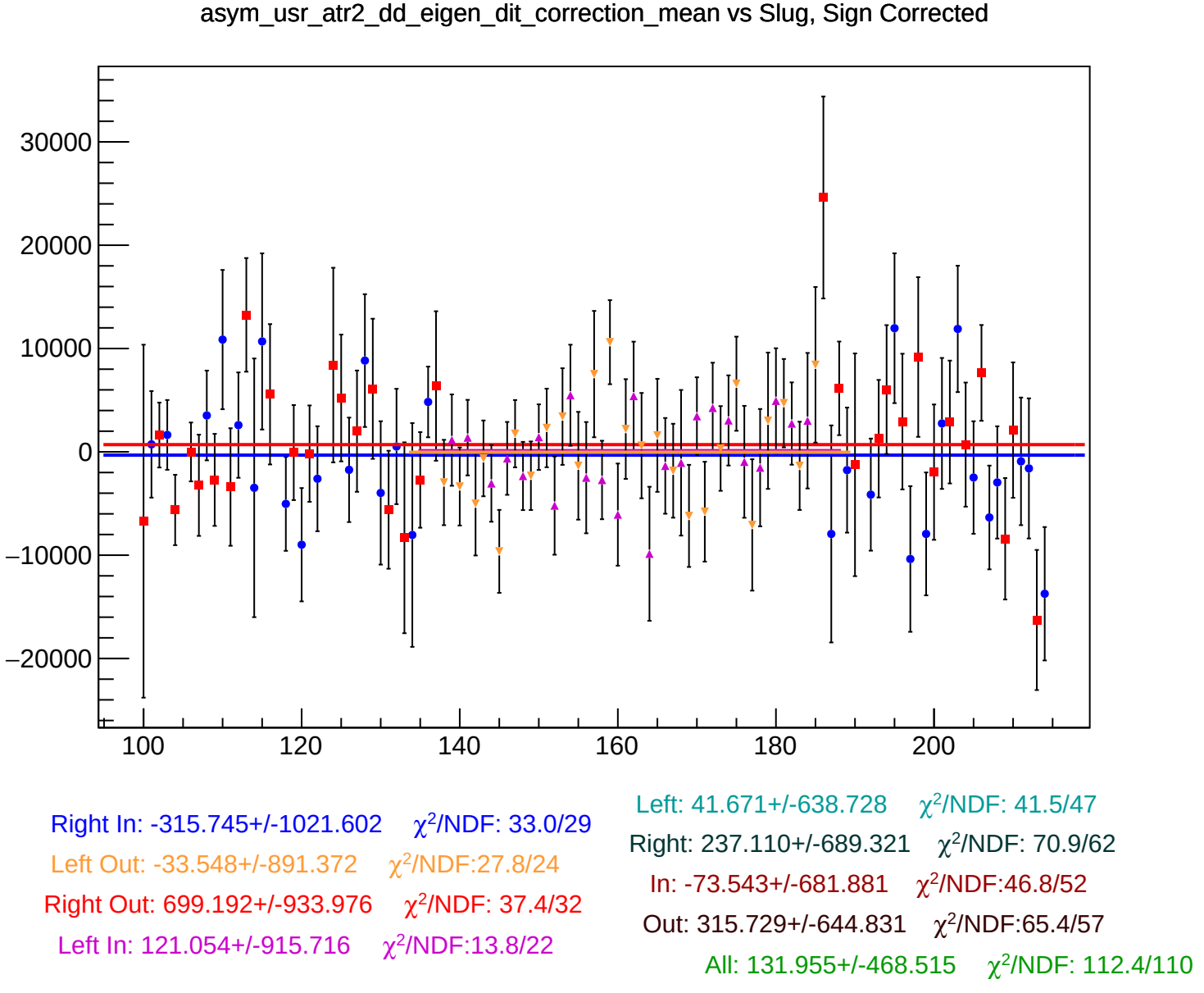
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1241.592+/-0.146 χ^2/NDF: 1586218.8/62

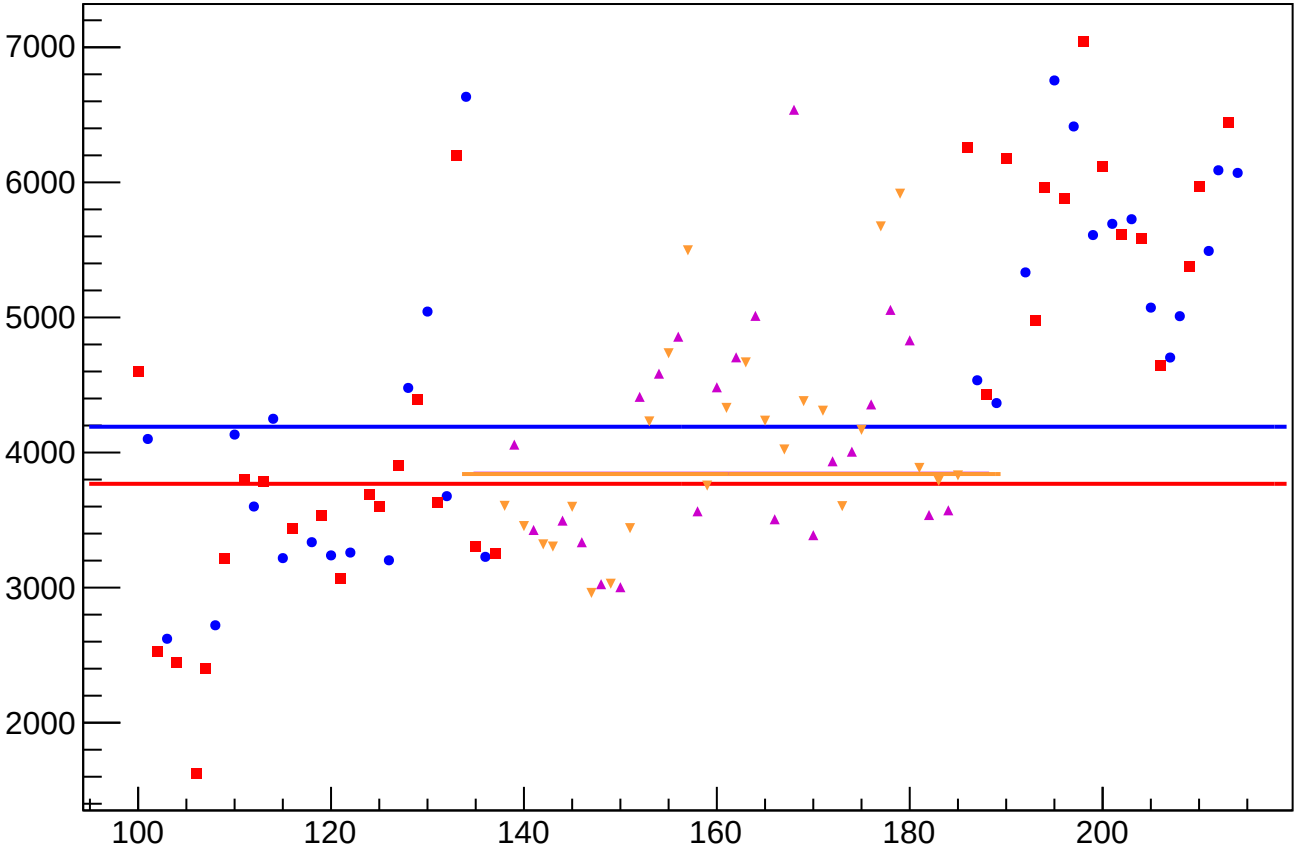
In: 1187.755+/-0.140 χ^2/NDF:1039391.4/52

Out: 1187.137+/-0.137 χ^2/NDF:1021340.1/57

All: 1187.441+/-0.098 χ^2/NDF: 2060741.4/11


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -315.745+/-1021.602 χ²/NDF: 33.0/29
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 699.192+/-933.976 χ²/NDF: 37.4/32
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 237.110+/-689.321 χ²/NDF: 70.9/62
In: -73.543+/-681.881 χ²/NDF:46.8/52
Out: 315.729+/-644.831 χ²/NDF:65.4/57
All: 131.955+/-468.515 χ²/NDF: 112.4/110

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

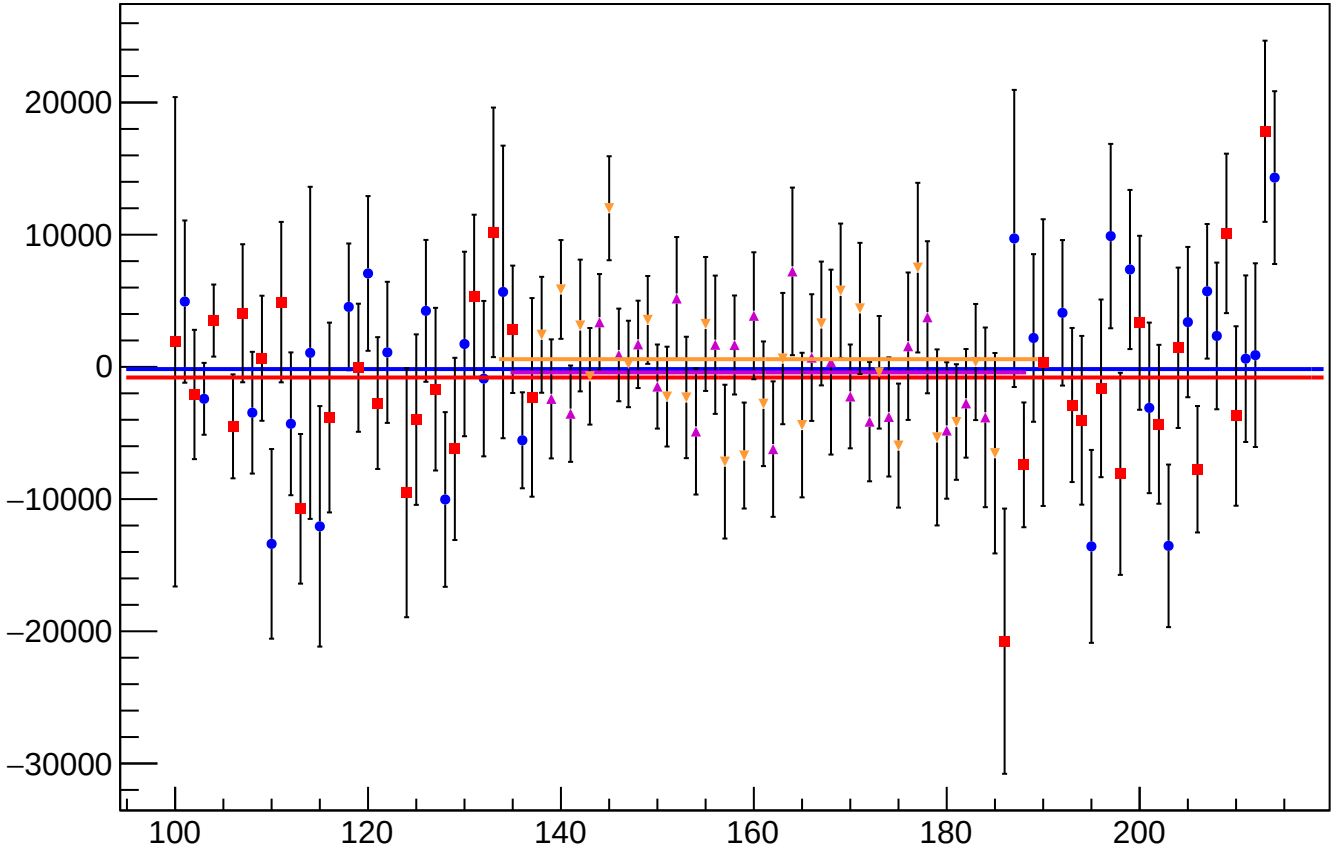
Right: 3960.813+/-0.487 χ^2/NDF: 7670487.3/62

In: 3998.217+/-0.482 χ^2/NDF:4053242.6/52

Out: 3806.321+/-0.456 χ^2/NDF:5880306.7/57

All: 3896.914+/-0.331 χ^2/NDF: 10017166.7/1

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



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

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

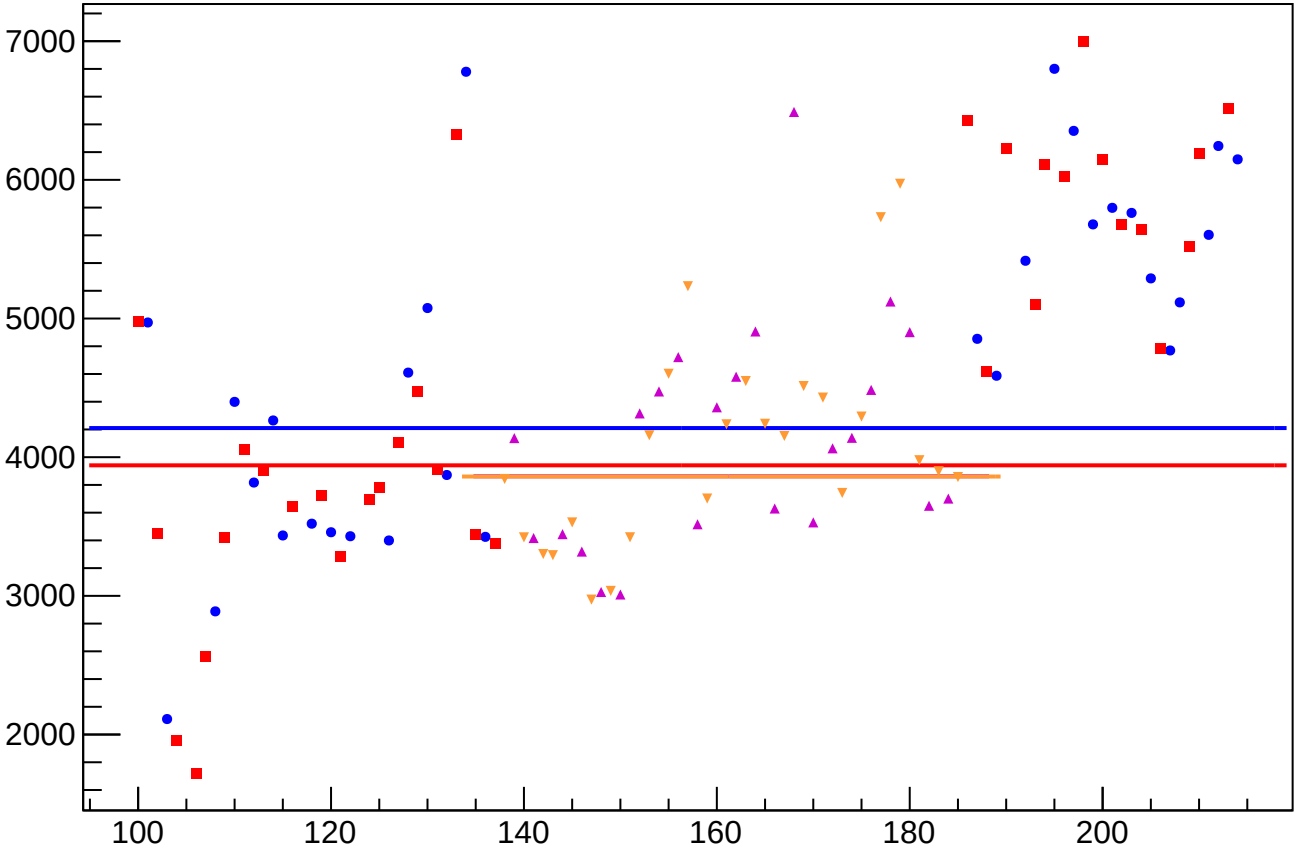
Right: -496.530+/-716.025 χ^2/NDF: 70.7/62

In: -305.738+/-687.016 χ^2/NDF:48.5/52

Out: -37.930+/-664.527 χ^2/NDF:63.0/57

All: -167.379+/-477.644 χ^2/NDF: 111.6/110

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



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

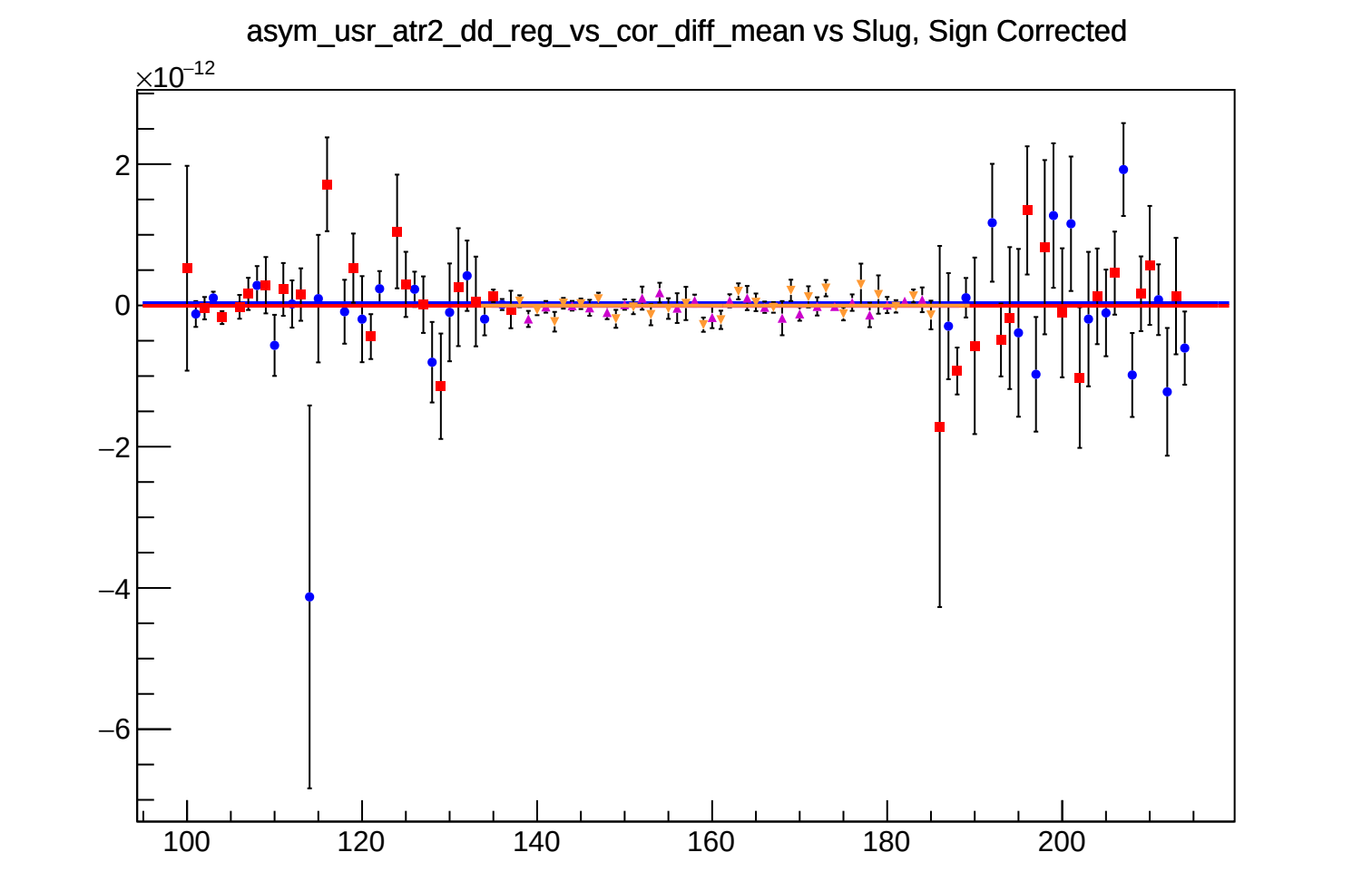
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 4068.606+/-0.503 χ^2/NDF: 8065560.1/62

In: 4015.742+/-0.486 χ^2/NDF:4604093.9/52

Out: 3897.219+/-0.468 χ^2/NDF:5763586.3/57

All: 3954.211+/-0.337 χ^2/NDF: 10398582.9/1



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

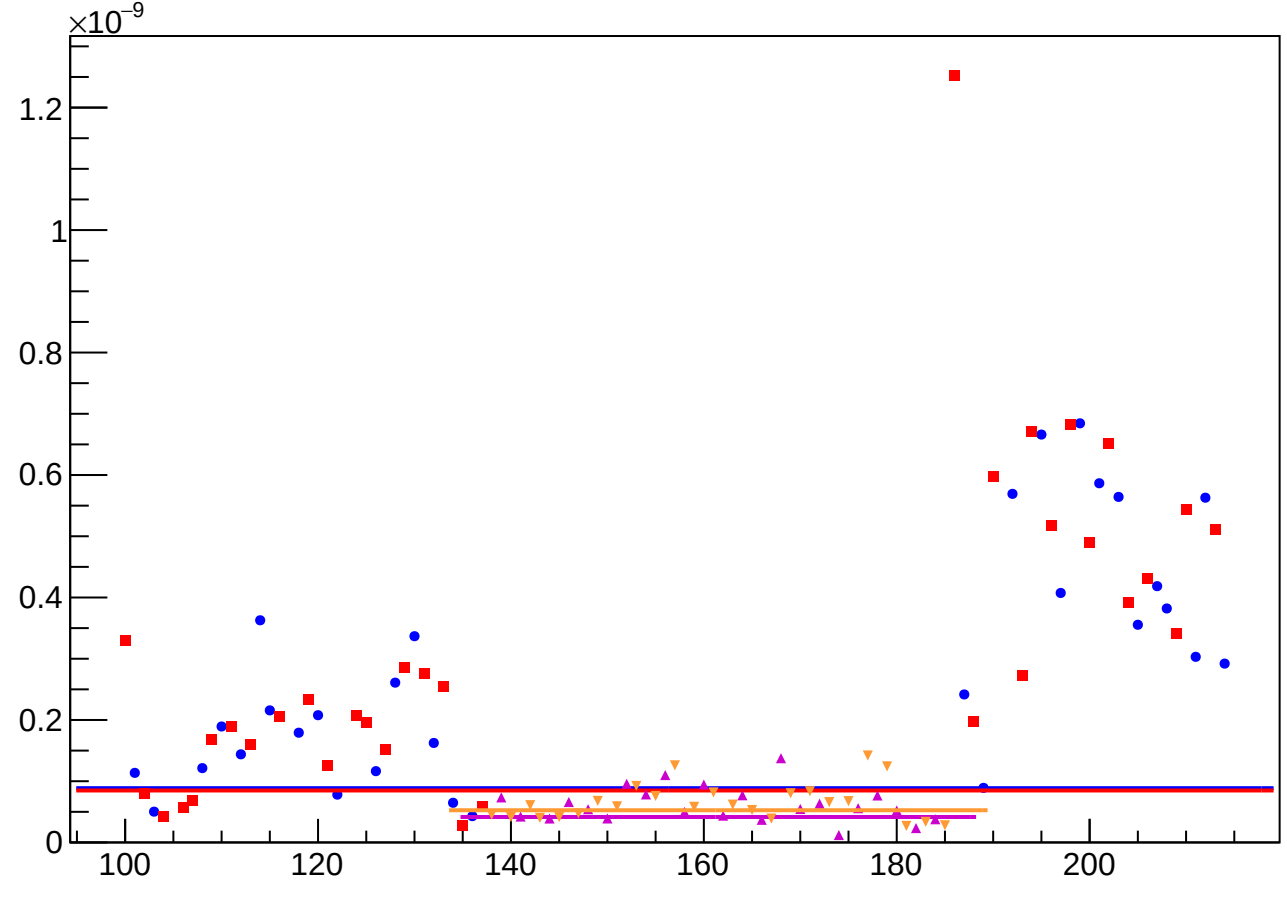
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 69.8/62

In: -0.000+/-0.000 χ^2/NDF:46.7/52

Out: -0.000+/-0.000 χ^2/NDF:70.5/57

All: -0.000+/-0.000 χ^2/NDF: 117.2/110



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

Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

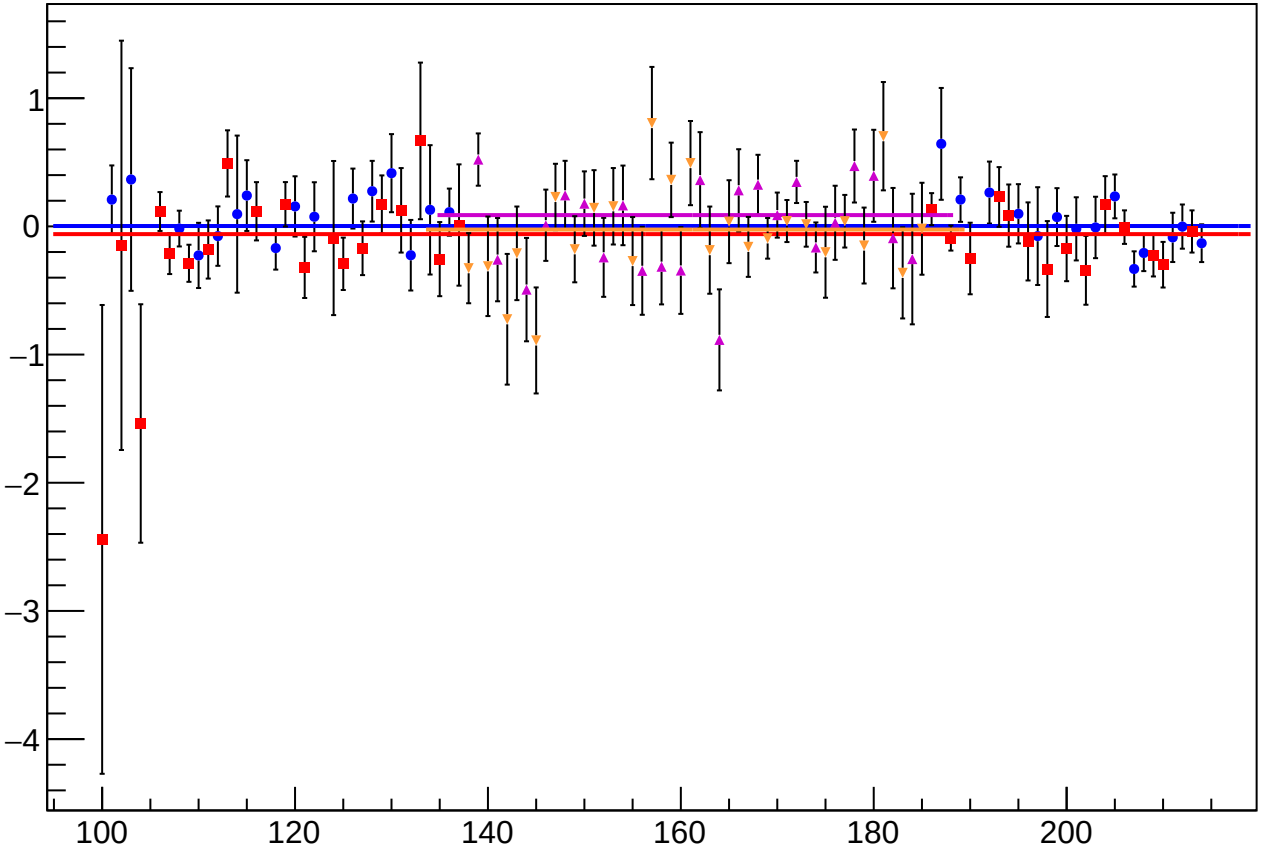
Right: 0.000+/-0.000 χ^2/NDF: 17102847.3/62

In: 0.000+/-0.000 χ^2/NDF:12541419.0/52

Out: 0.000+/-0.000 χ^2/NDF:11583788.3/57

All: 0.000+/-0.000 χ^2/NDF: 24379824.2/110

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

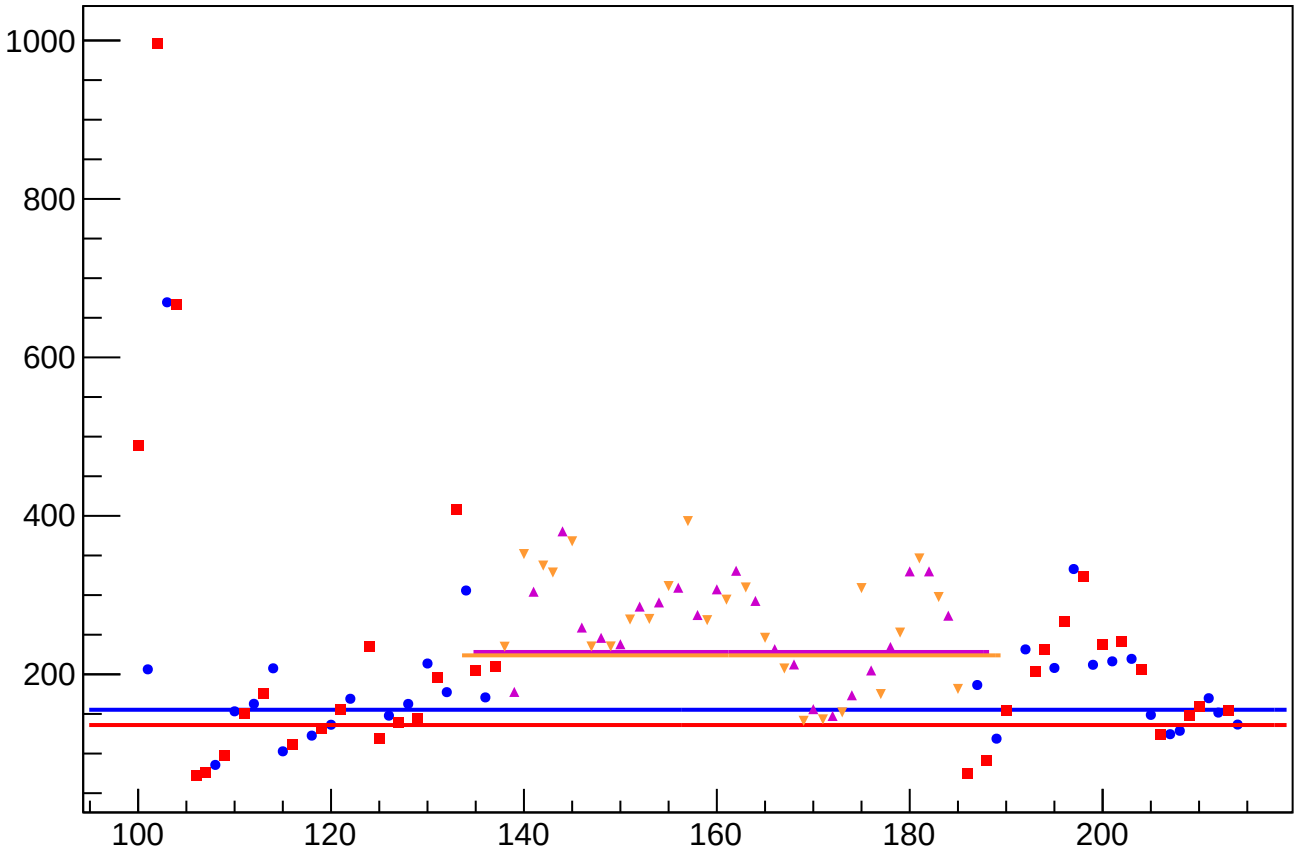
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.032+/-0.026 χ^2/NDF: 59.6/62

In: 0.030+/-0.032 χ^2/NDF:56.7/52

Out: -0.050+/-0.030 χ^2/NDF:57.4/57

All: -0.013+/-0.022 χ^2/NDF: 117.5/110



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

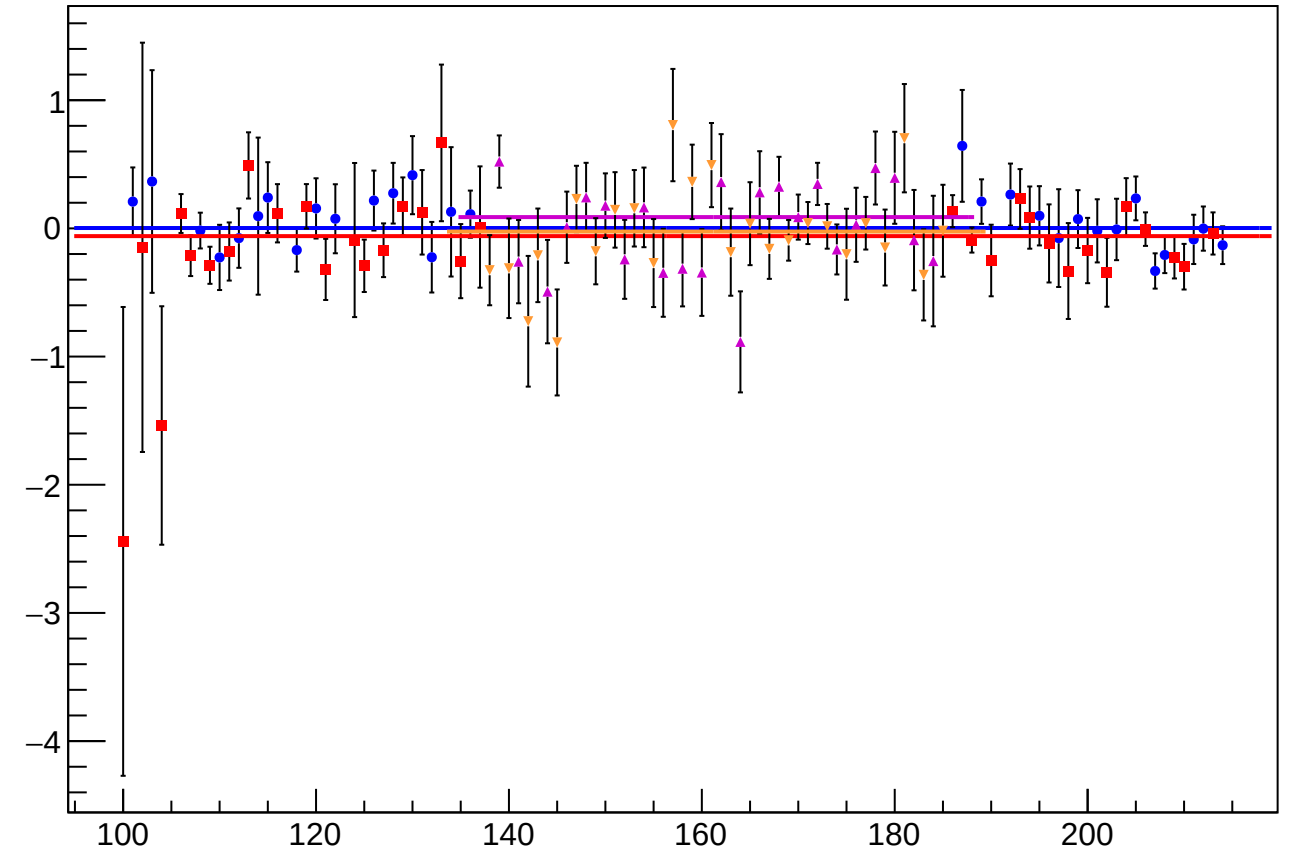
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 144.783+/-0.019 χ^2/NDF: 9508423.2/62

In: 178.755+/-0.023 χ^2/NDF:7919558.8/52

Out: 162.372+/-0.021 χ^2/NDF:13130611.7/57

All: 169.969+/-0.015 χ^2/NDF: 21328638.0/11



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

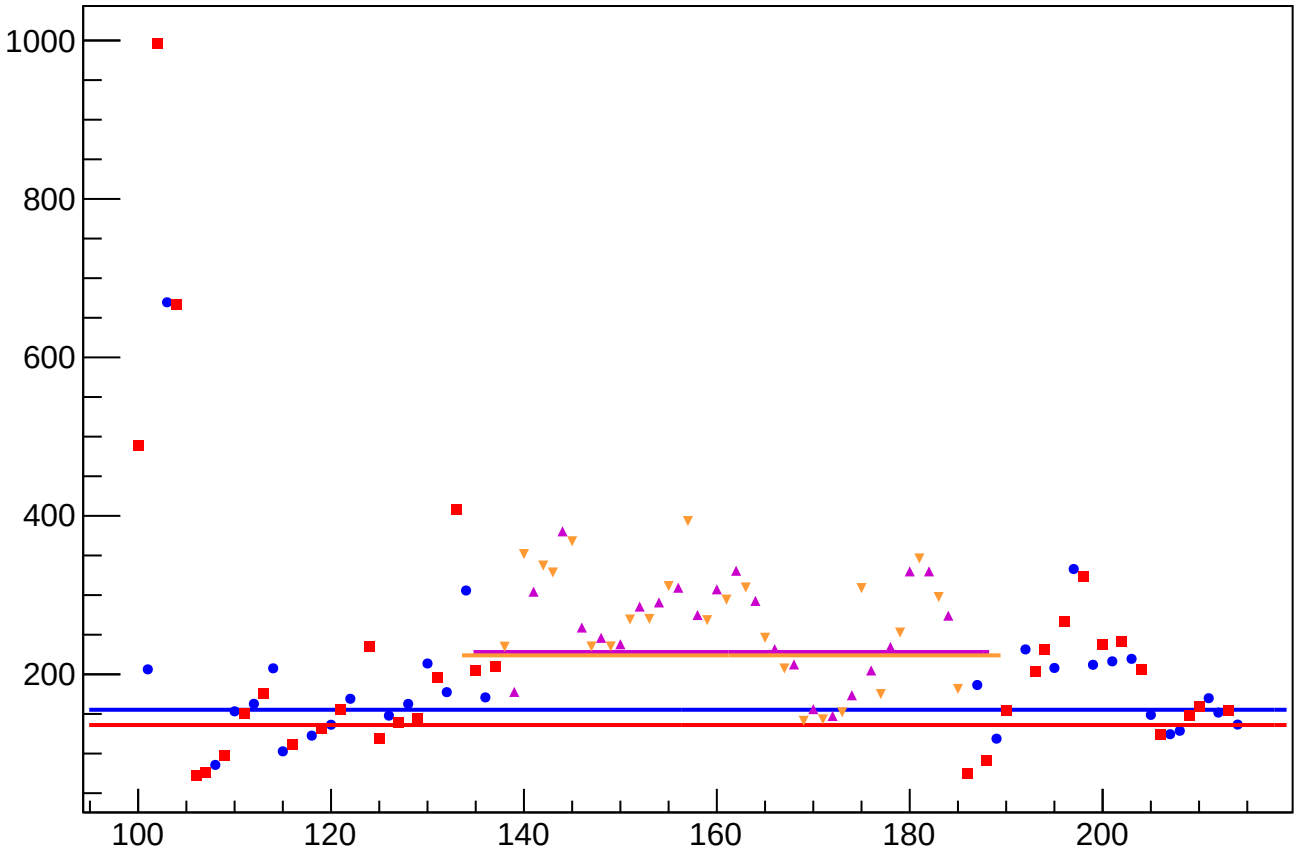
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

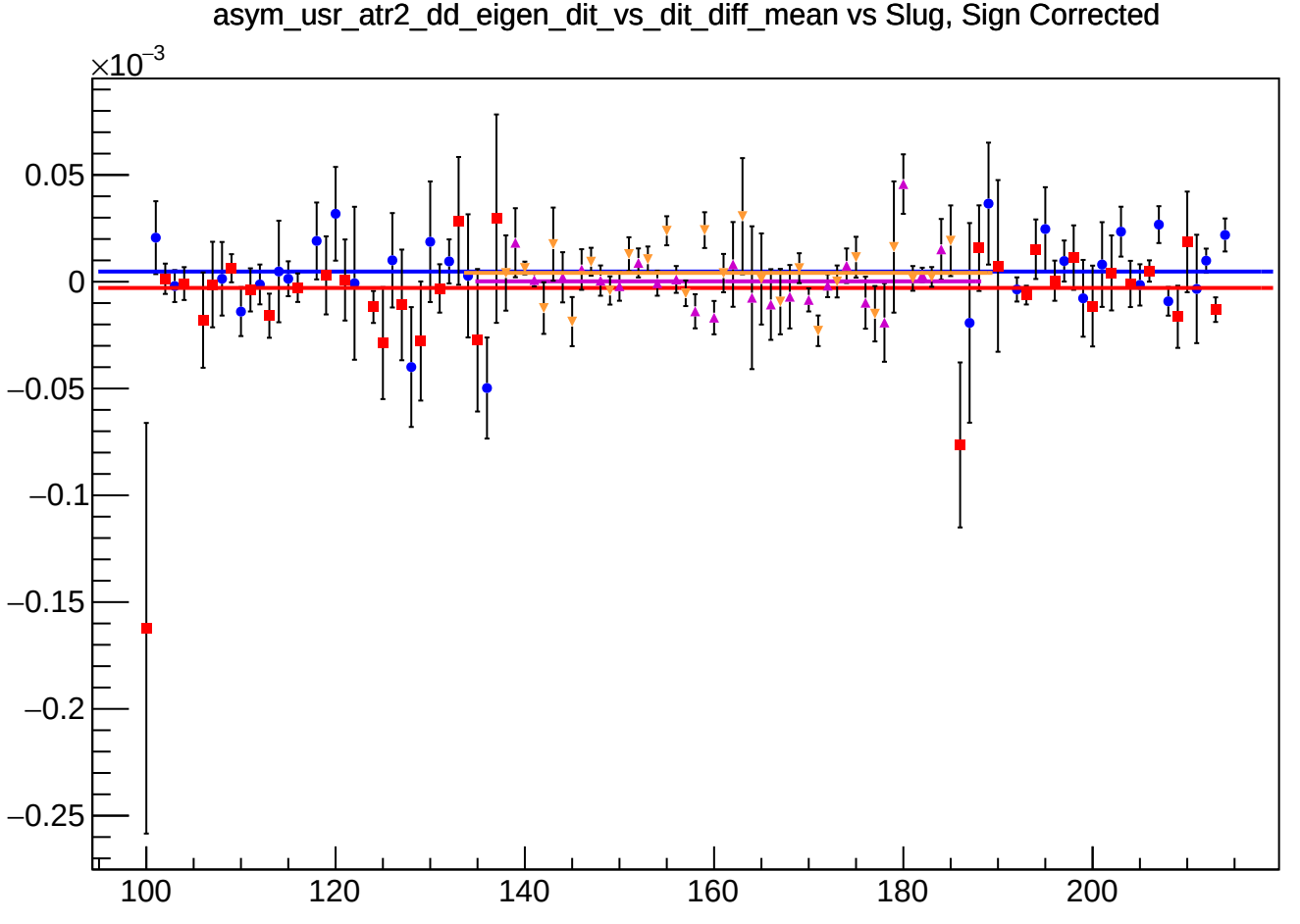
Right: -0.032+/-0.026 χ^2/NDF: 59.6/62

In: 0.030+/-0.032 χ^2/NDF:56.7/52

Out: -0.050+/-0.030 χ^2/NDF:57.4/57

All: -0.013+/-0.022 χ^2/NDF: 117.5/110


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
120
140
160
180
200
Right In: 155.270+/-0.028 χ²/NDF: 3184002.1/29
Left Out: 223.945+/-0.039 χ²/NDF:3438444.8/24
Right Out: 136.002+/-0.025 χ²/NDF: 6059367.4/32
Left In: 228.199+/-0.040 χ²/NDF:2488915.3/22
Left: 225.993+/-0.028 χ²/NDF: 5933206.6/47
Right: 144.783+/-0.019 χ²/NDF: 9508423.2/62
In: 178.755+/-0.023 χ²/NDF:7919558.8/52
Out: 162.372+/-0.021 χ²/NDF:13130611.7/57
All: 169.969+/-0.015 χ²/NDF: 21328638.0/11



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

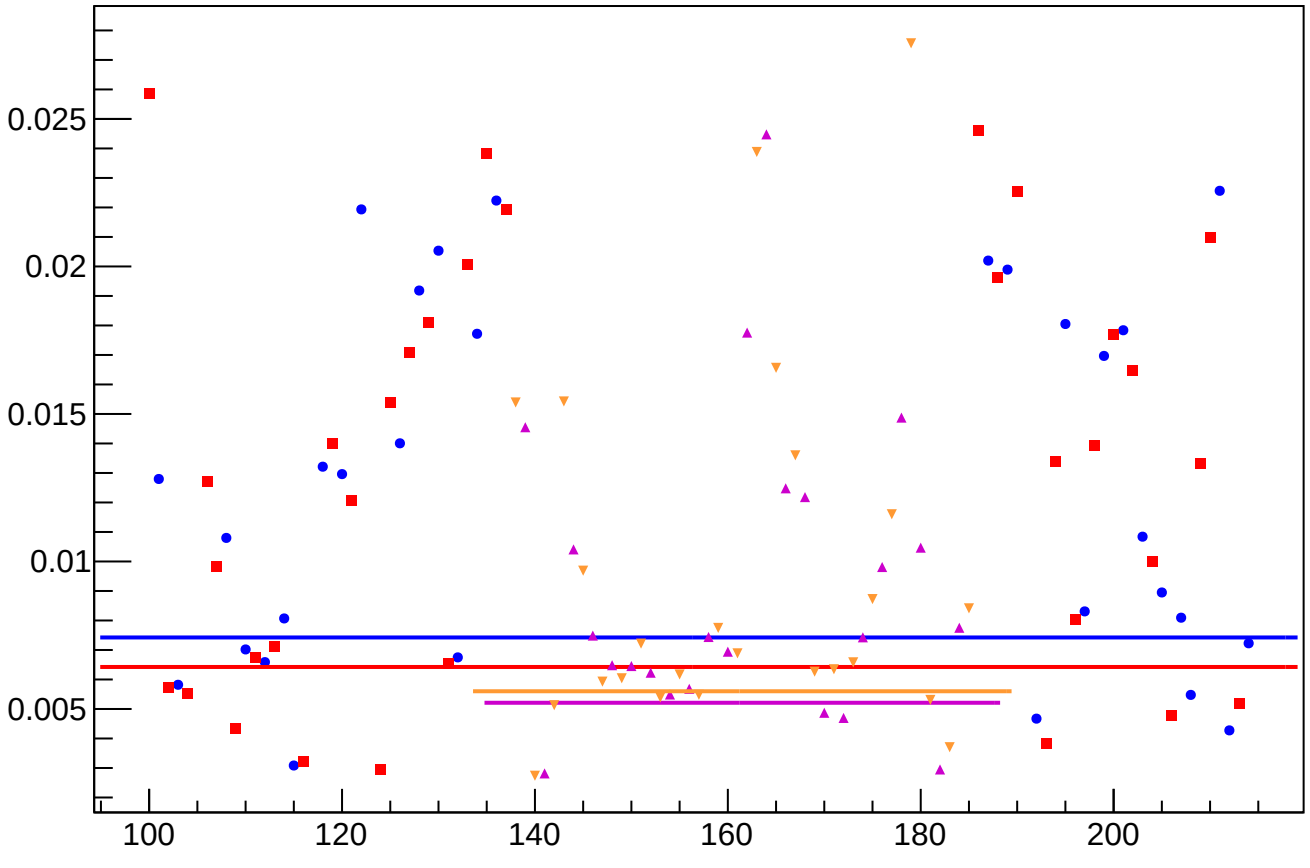
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: 0.000+/-0.000 χ^2/NDF: 76.9/62

In: 0.000+/-0.000 χ^2/NDF:74.1/52

Out: 0.000+/-0.000 χ^2/NDF:86.4/57

All: 0.000+/-0.000 χ^2/NDF: 160.5/110



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

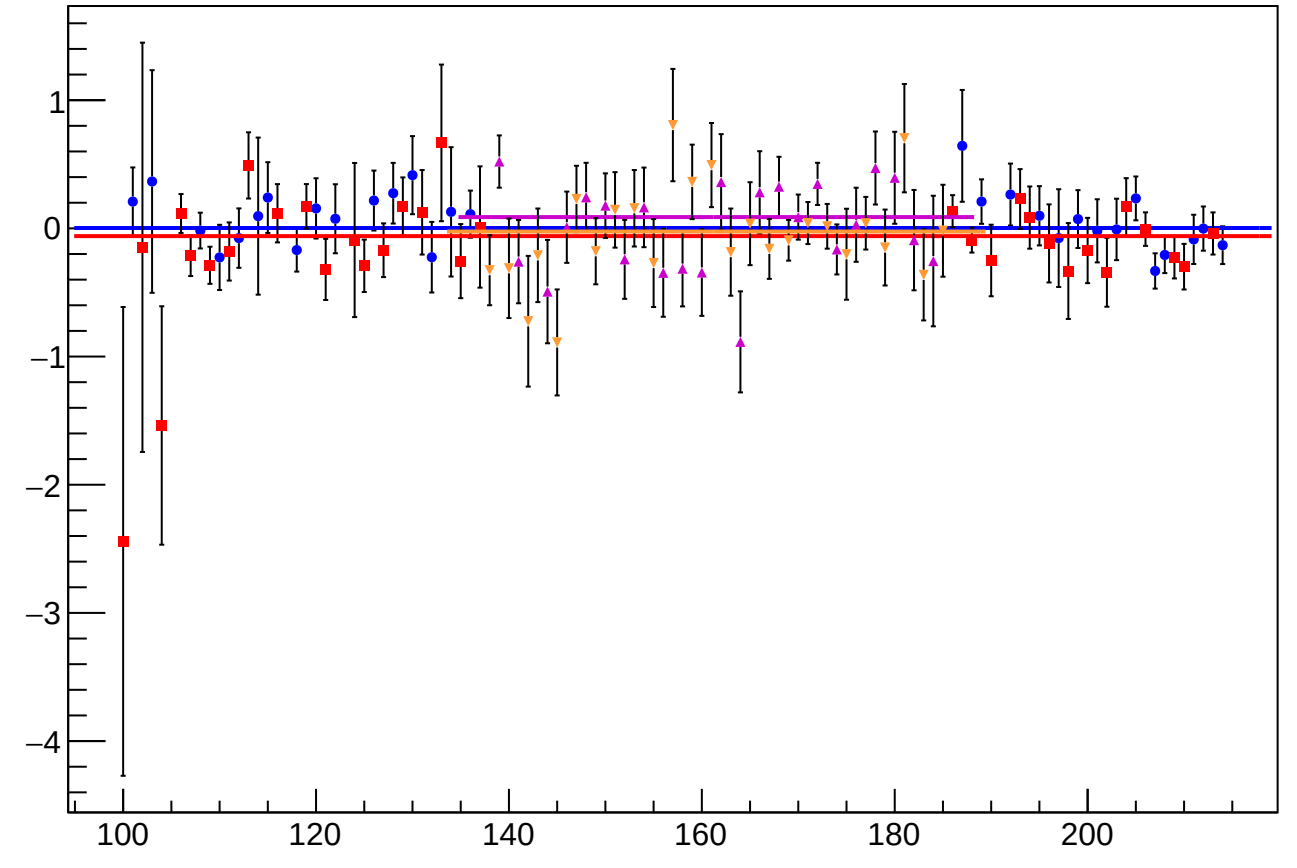
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 18887362.3/62

In: 0.006+/-0.000 χ^2/NDF:17109525.2/52

Out: 0.006+/-0.000 χ^2/NDF:18559443.0/57

All: 0.006+/-0.000 χ^2/NDF: 35668998.8/110



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

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

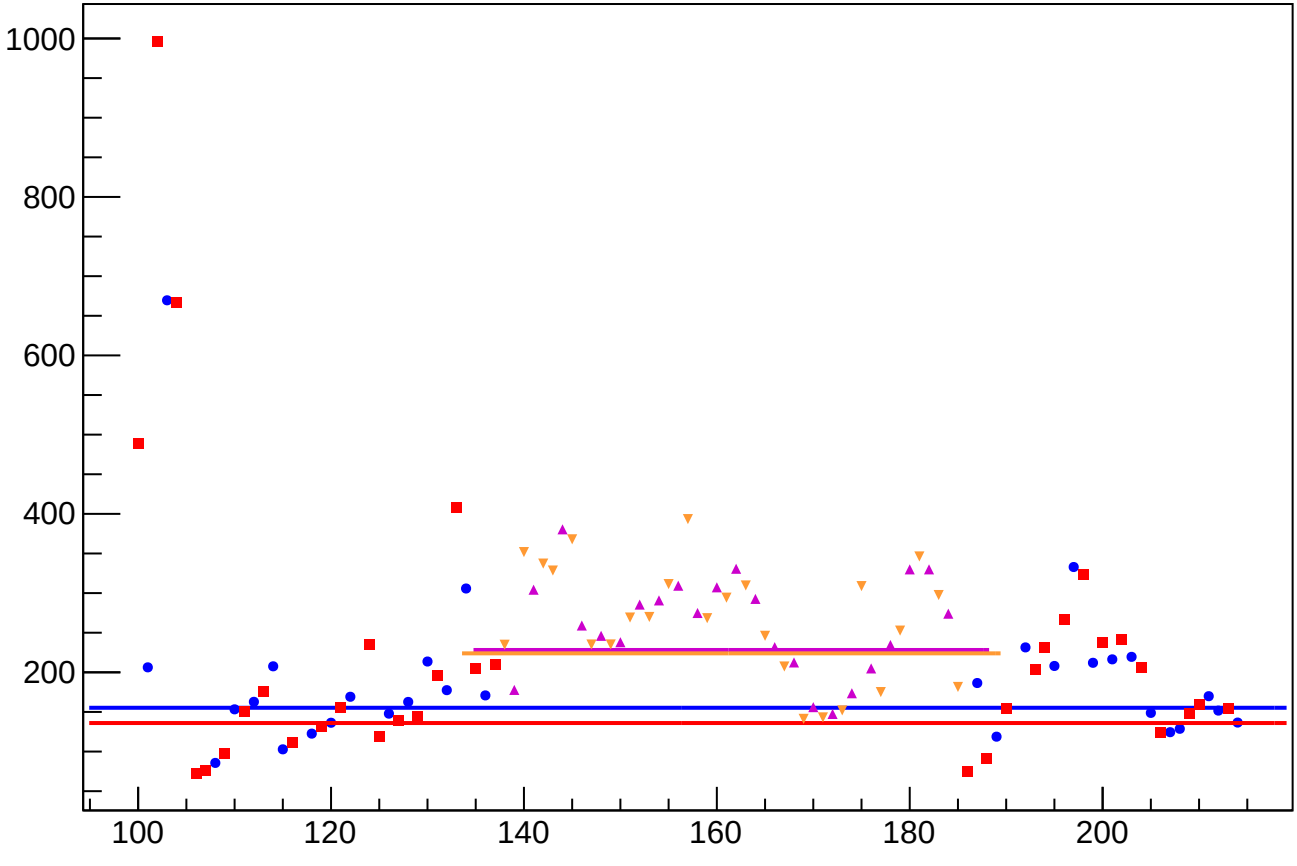
Right: -0.032+/-0.026 χ^2/NDF: 59.6/62

In: 0.030+/-0.032 χ^2/NDF:56.7/52

Out: -0.050+/-0.030 χ^2/NDF:57.4/57

All: -0.013+/-0.022 χ^2/NDF: 117.5/110

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

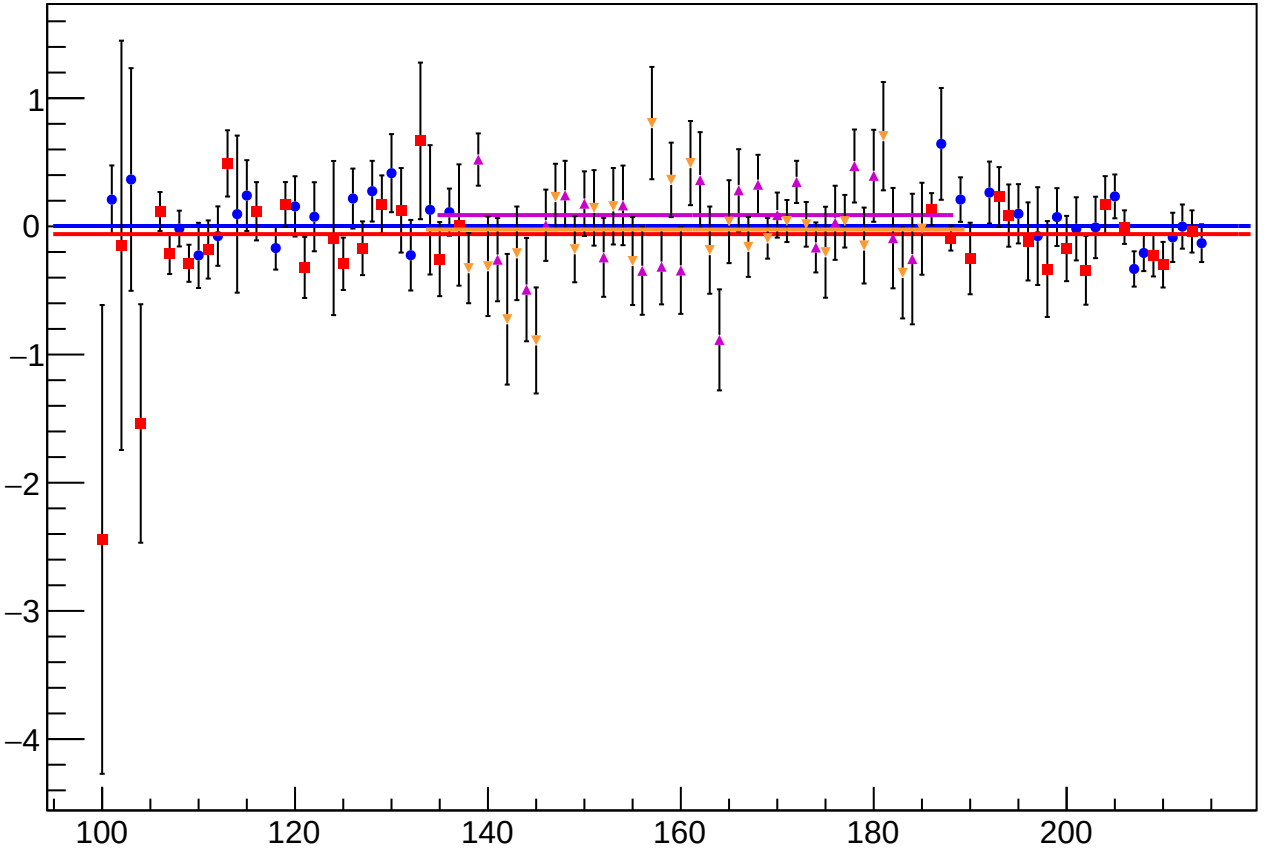
Right: 144.784+/-0.019 χ^2/NDF: 9507896.5/62

In: 178.753+/-0.023 χ^2/NDF:7920024.9/52

Out: 162.375+/-0.021 χ^2/NDF:13129905.7/57

All: 169.970+/-0.015 χ^2/NDF: 21328227.4/11

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

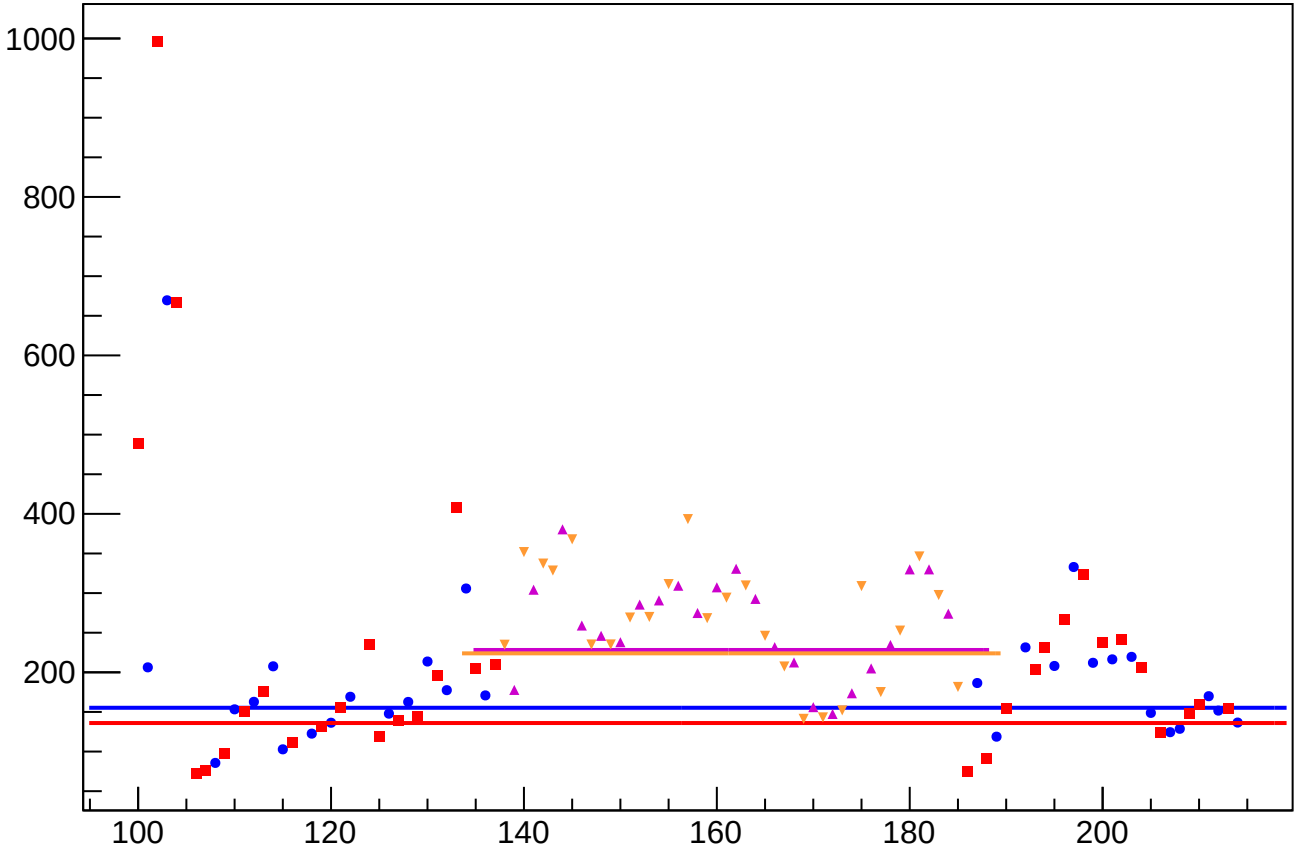
Right: -0.032+/-0.026 χ^2/NDF: 59.6/62

In: 0.030+/-0.032 χ^2/NDF:56.7/52

Out: -0.050+/-0.030 χ^2/NDF:57.4/57

All: -0.013+/-0.022 χ^2/NDF: 117.5/110

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

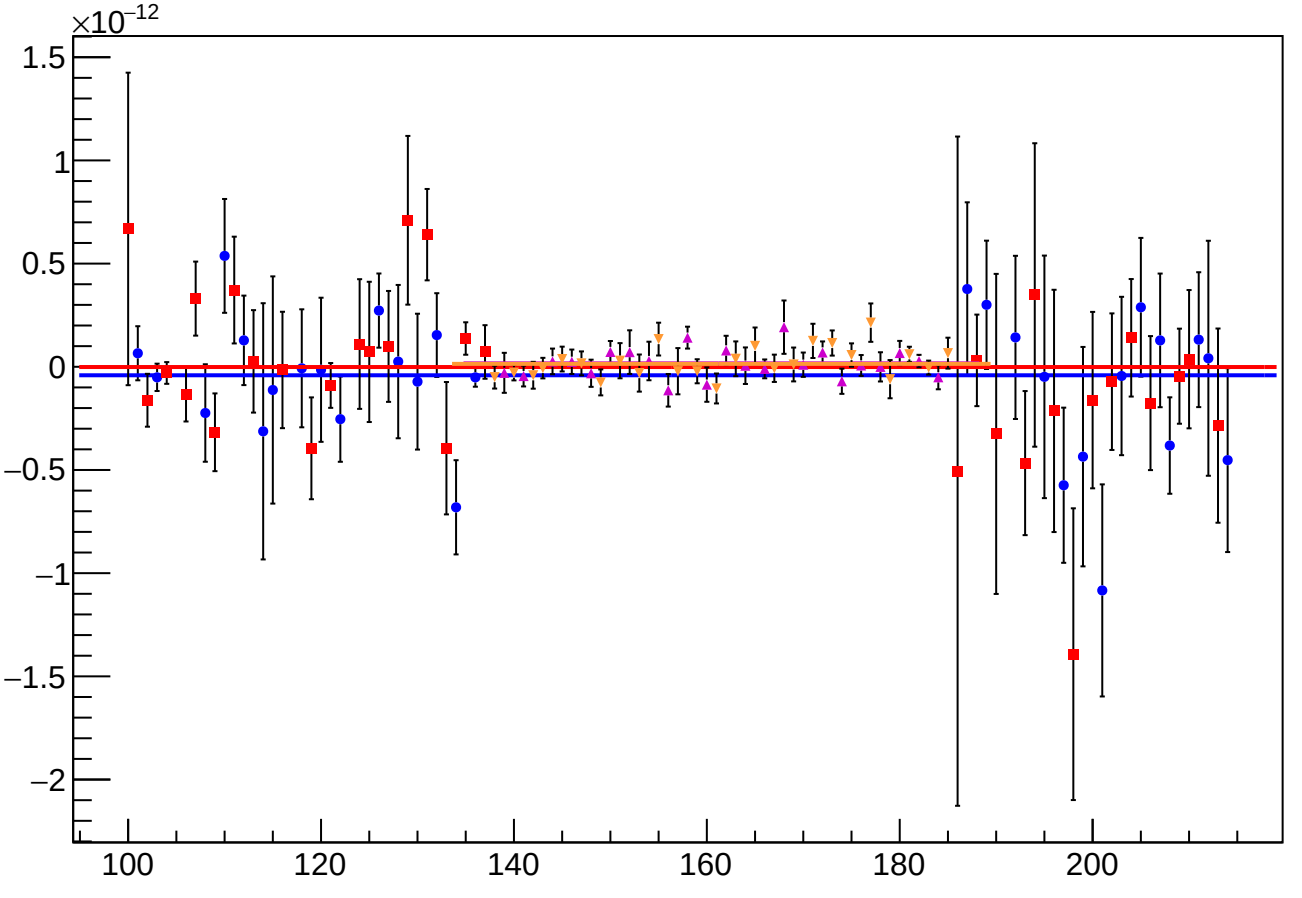
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 144.784+/-0.019 χ^2/NDF: 9507896.5/62

In: 178.753+/-0.023 χ^2/NDF:7920024.9/52

Out: 162.375+/-0.021 χ^2/NDF:13129905.7/57

All: 169.970+/-0.015 χ^2/NDF: 21328227.4/11



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

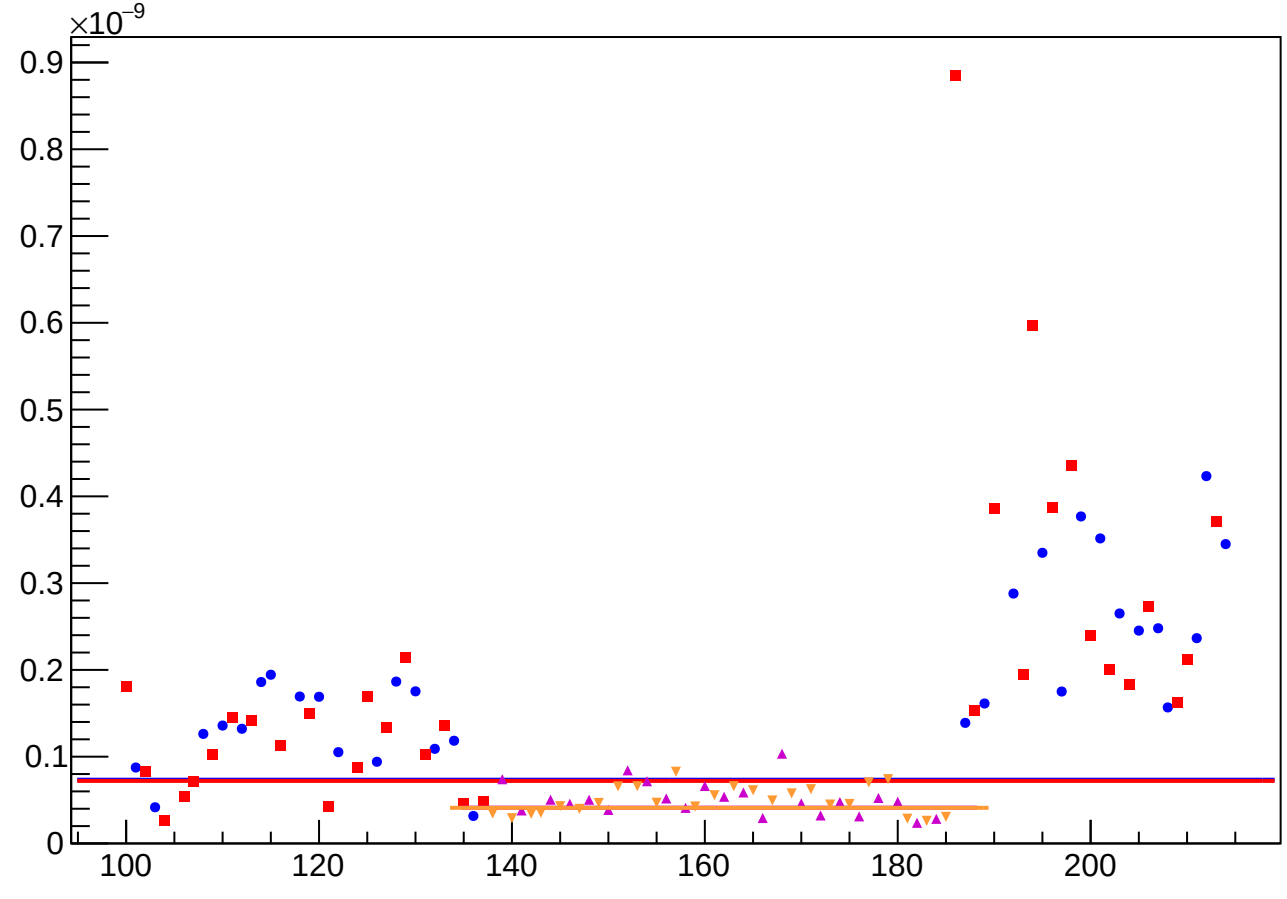
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 73.3/62

In: 0.000+/-0.000 χ^2/NDF:57.9/52

Out: 0.000+/-0.000 χ^2/NDF:64.9/57

All: 0.000+/-0.000 χ^2/NDF: 122.8/110



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

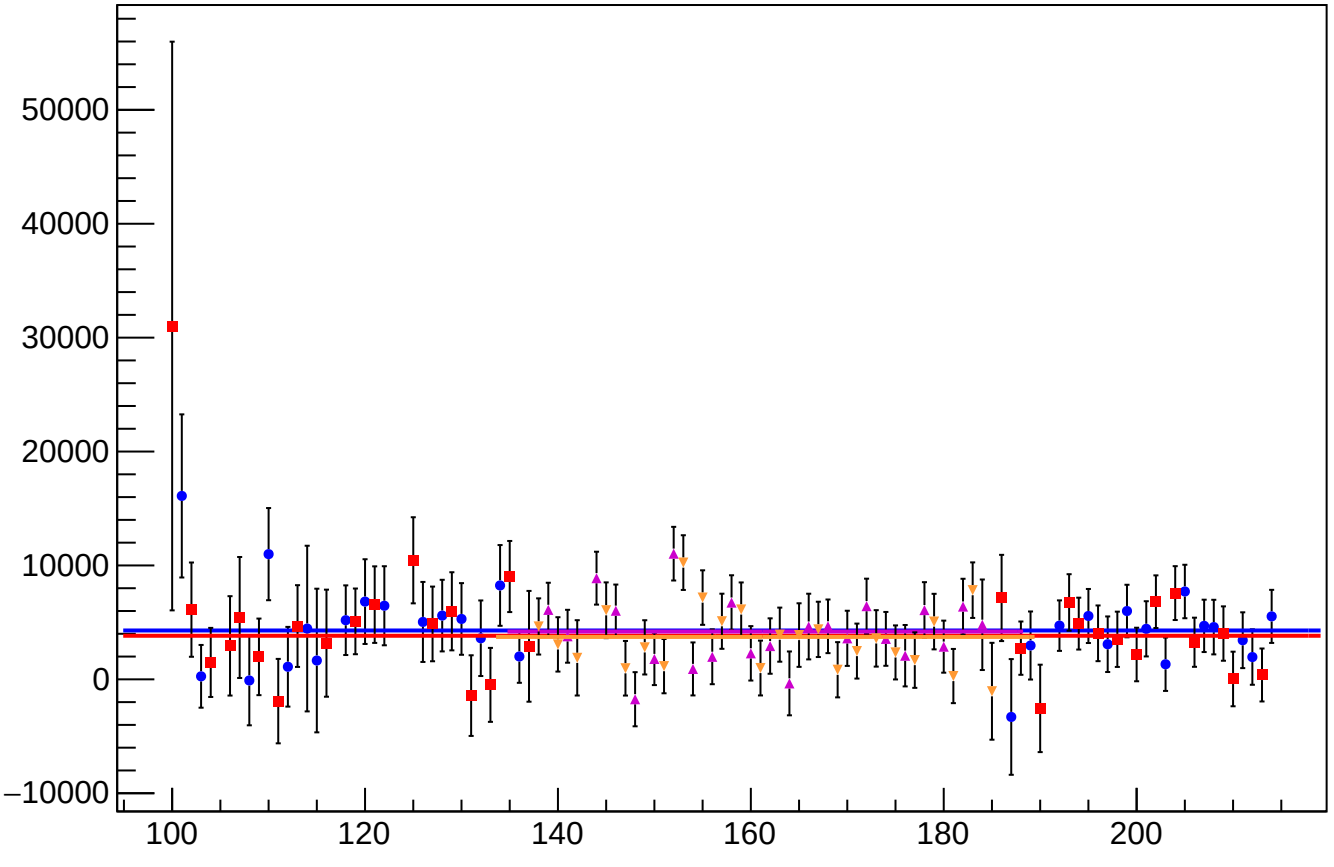
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 19950492.5/62

In: 0.000+/-0.000 χ^2/NDF:14848314.7/52

Out: 0.000+/-0.000 χ^2/NDF:14304840.5/57

All: 0.000+/-0.000 χ^2/NDF: 29154781.7/110



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

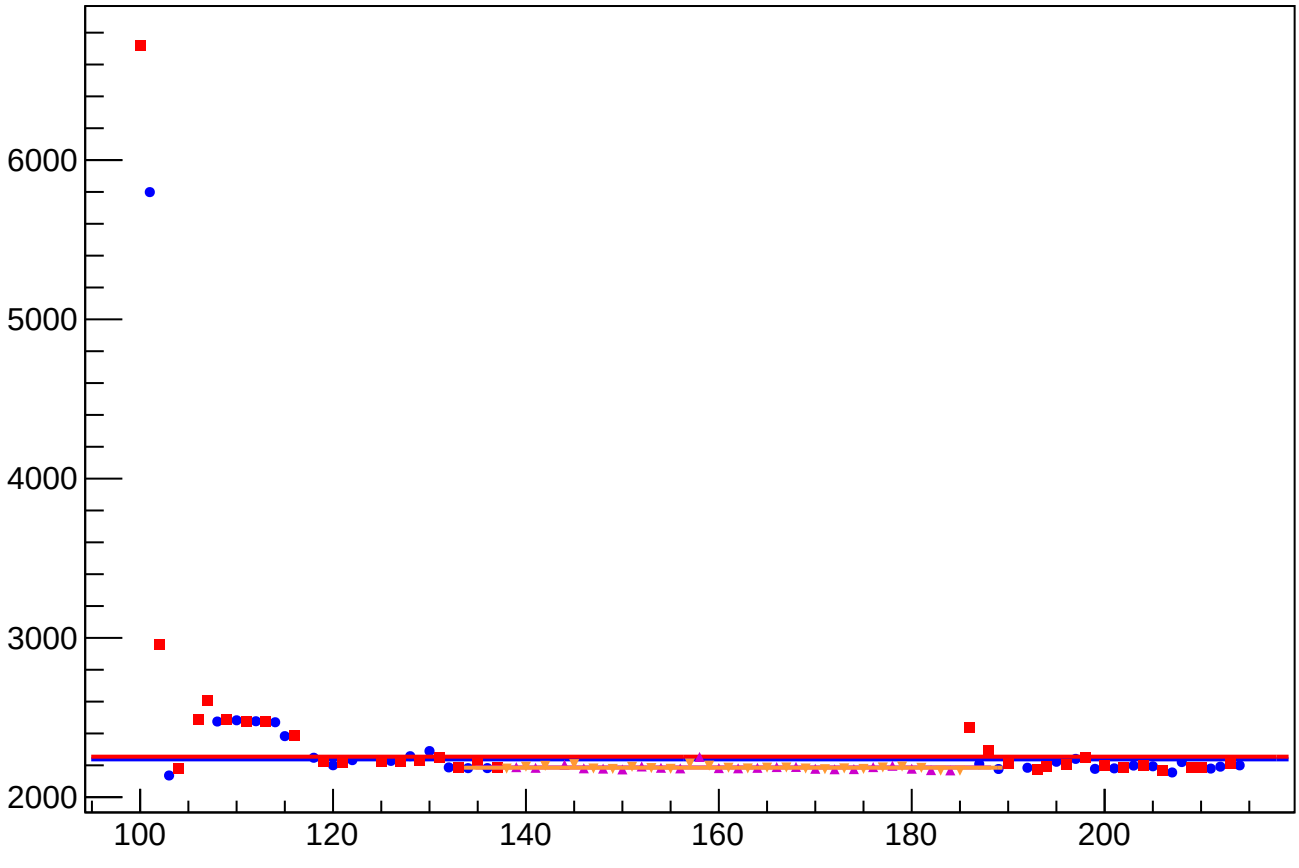
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4057.628+/-371.727 χ^2/NDF: 53.4/61

In: 4241.368+/-366.463 χ^2/NDF:54.1/52

Out: 3773.280+/-364.796 χ^2/NDF:56.5/55

All: 4006.257+/-258.537 χ^2/NDF: 111.4/108



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

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

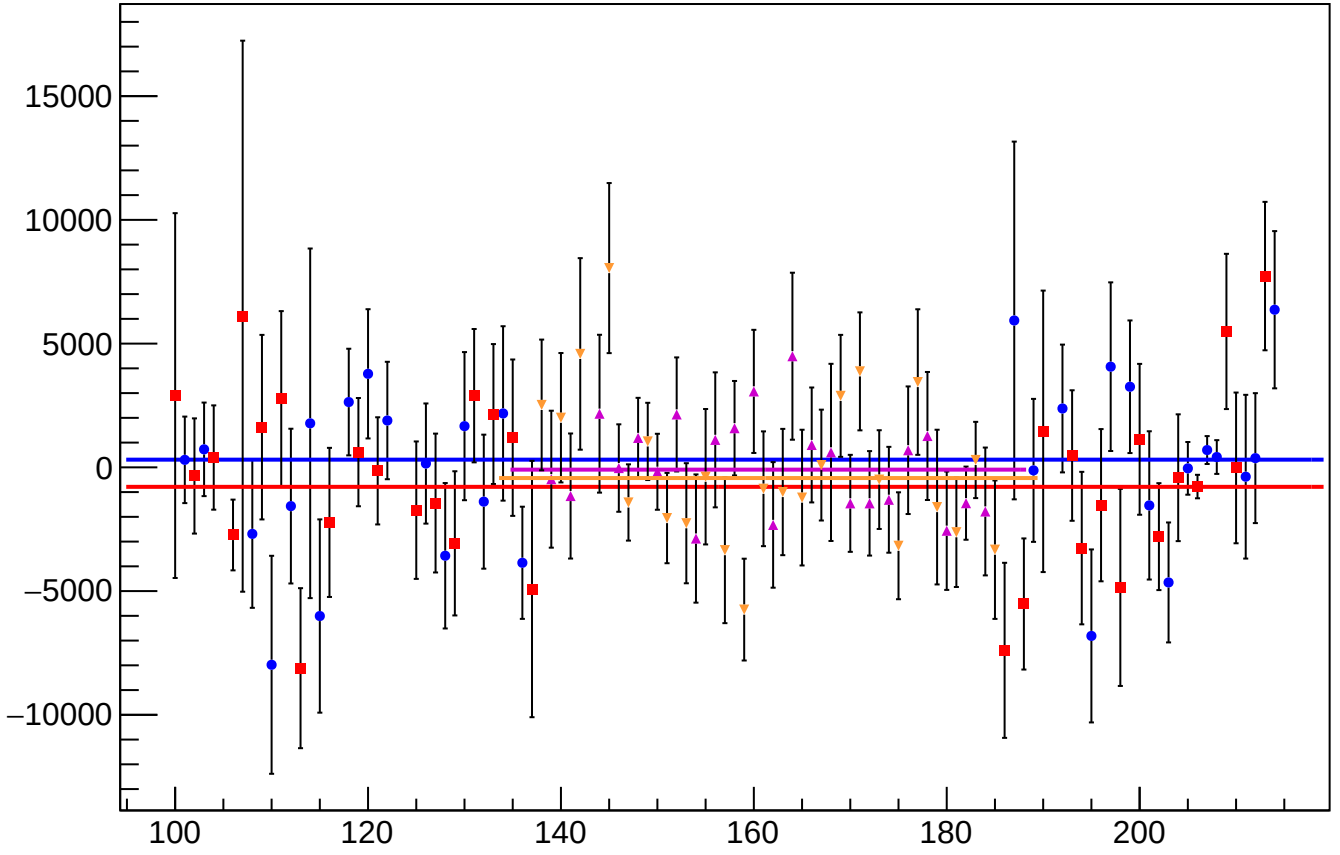
Right: 2245.807+/-0.263 χ^2/NDF: 726330.0/61

In: 2211.261+/-0.259 χ^2/NDF:549825.6/52

Out: 2218.498+/-0.258 χ^2/NDF:205789.3/55

All: 2214.896+/-0.183 χ^2/NDF: 756006.7/108

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 310.794+/-321.131 χ^2/NDF: 33.7/29

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -787.697+/-345.206 χ^2/NDF: 37.1/31

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

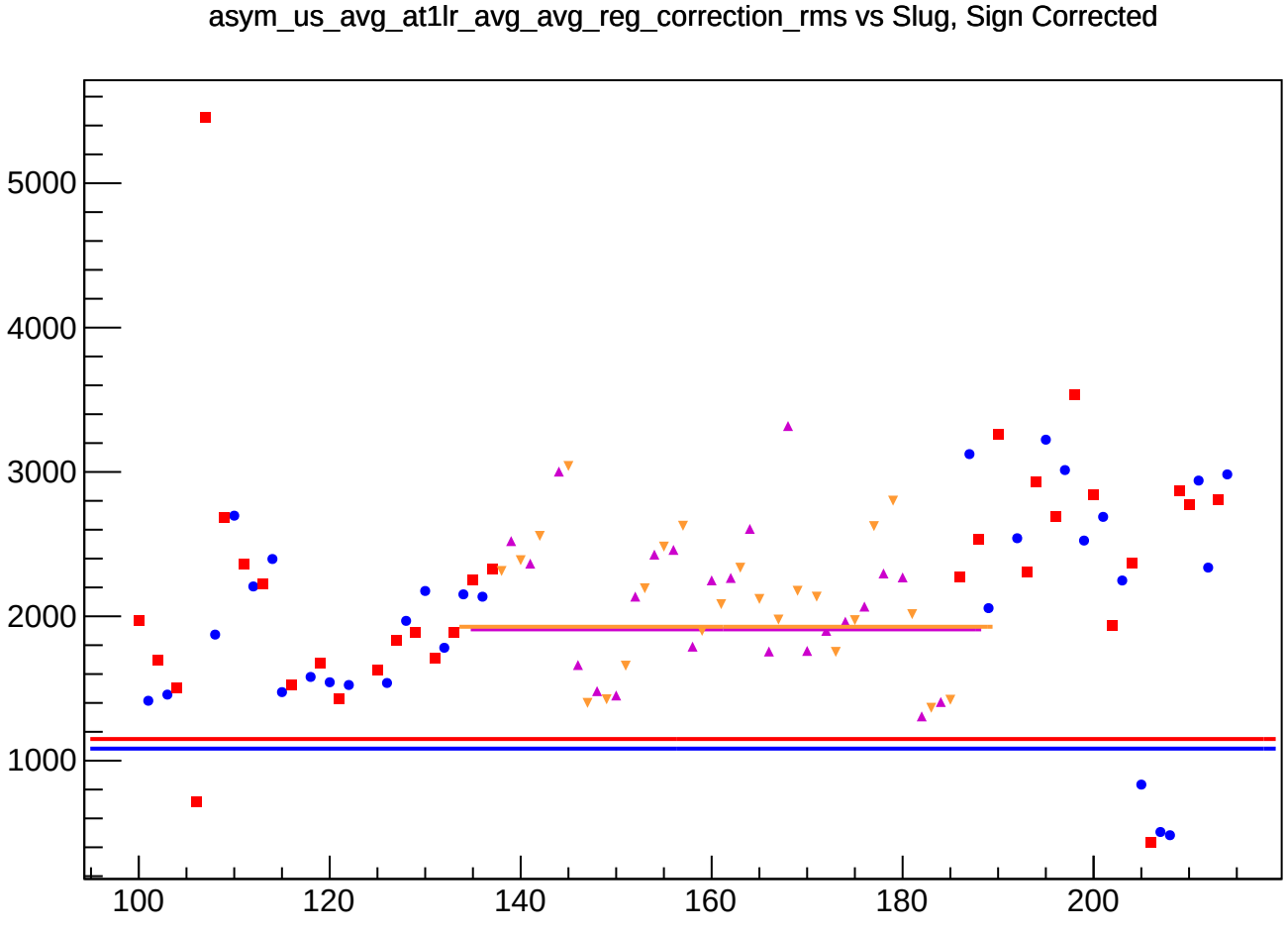
Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

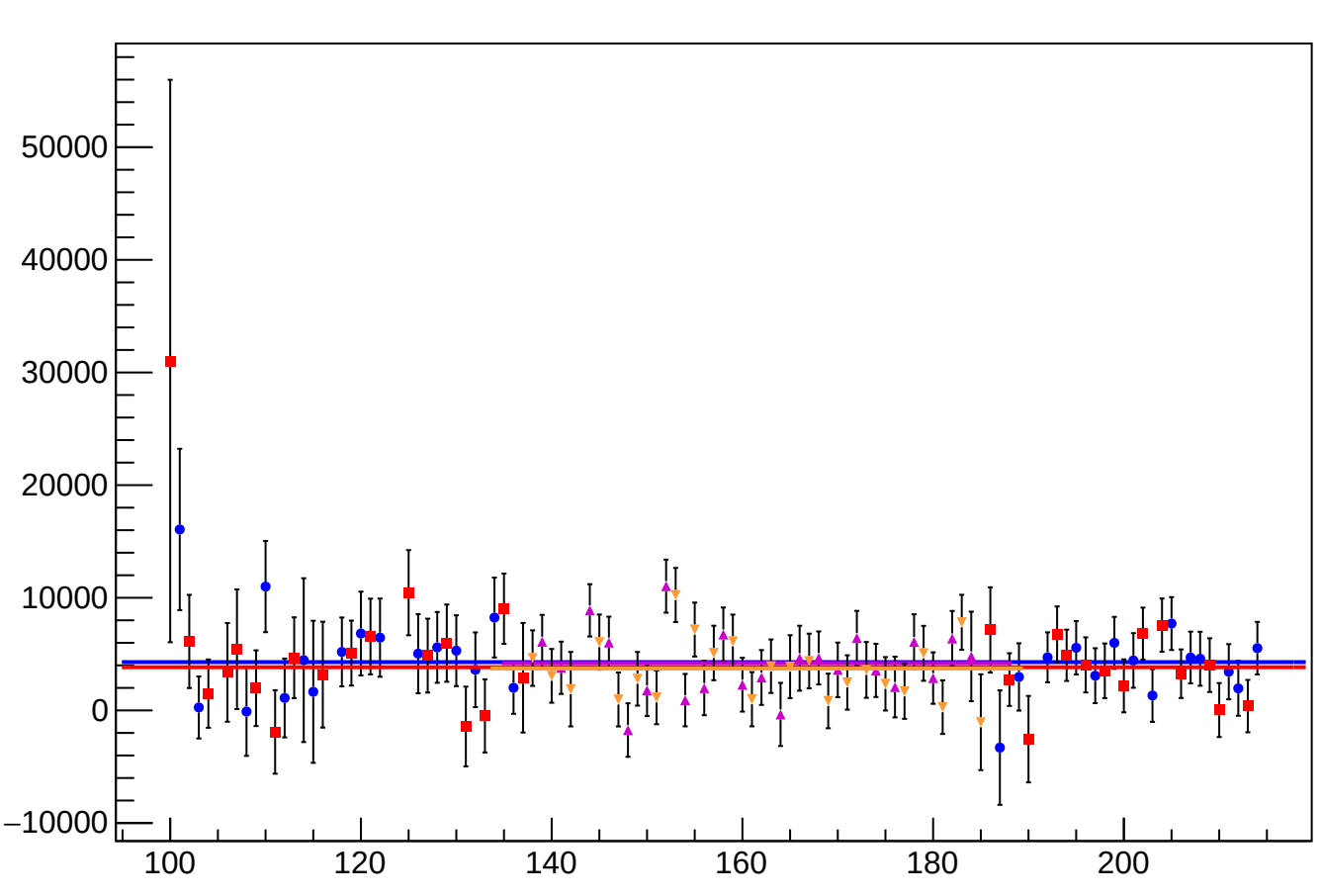
Right: -198.815+/-235.125 χ^2/NDF: 76.3/61

In: 178.857+/-263.440 χ^2/NDF:47.0/52

Out: -660.496+/-276.618 χ^2/NDF:68.8/55

All: -220.350+/-190.769 χ^2/NDF: 120.6/108


asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1083.506+/-0.227 χ²/NDF: 11994791.3/29
Left Out: 1927.660+/-0.327 χ²/NDF:1798383.1/23
Right Out: 1150.018+/-0.244 χ²/NDF: 13527430.9/31
Left In: 1909.612+/-0.326 χ²/NDF:1942264.8/22
Left: 1918.603+/-0.231 χ²/NDF: 3742177.0/46
Right: 1114.362+/-0.166 χ²/NDF: 25562024.5/61
In: 1353.666+/-0.186 χ²/NDF:18265392.2/52
Out: 1428.334+/-0.196 χ²/NDF:18958181.9/55
All: 1389.179+/-0.135 χ²/NDF: 37299991.0/1



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

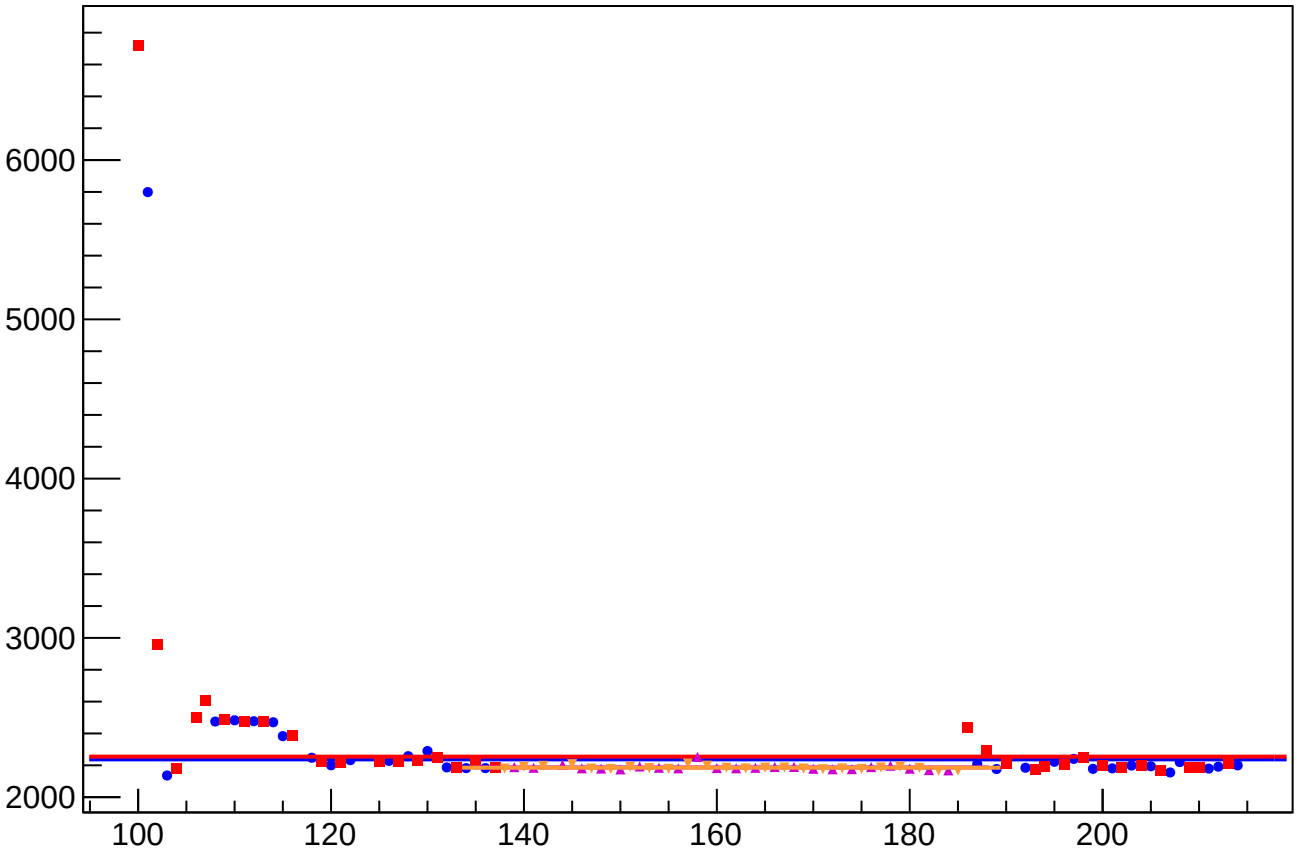
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4060.826+/-371.739 χ^2/NDF: 53.4/61

In: 4241.319+/-366.463 χ^2/NDF:54.1/52

Out: 3776.423+/-364.807 χ^2/NDF:56.5/55

All: 4007.818+/-258.541 χ^2/NDF: 111.4/108



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

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

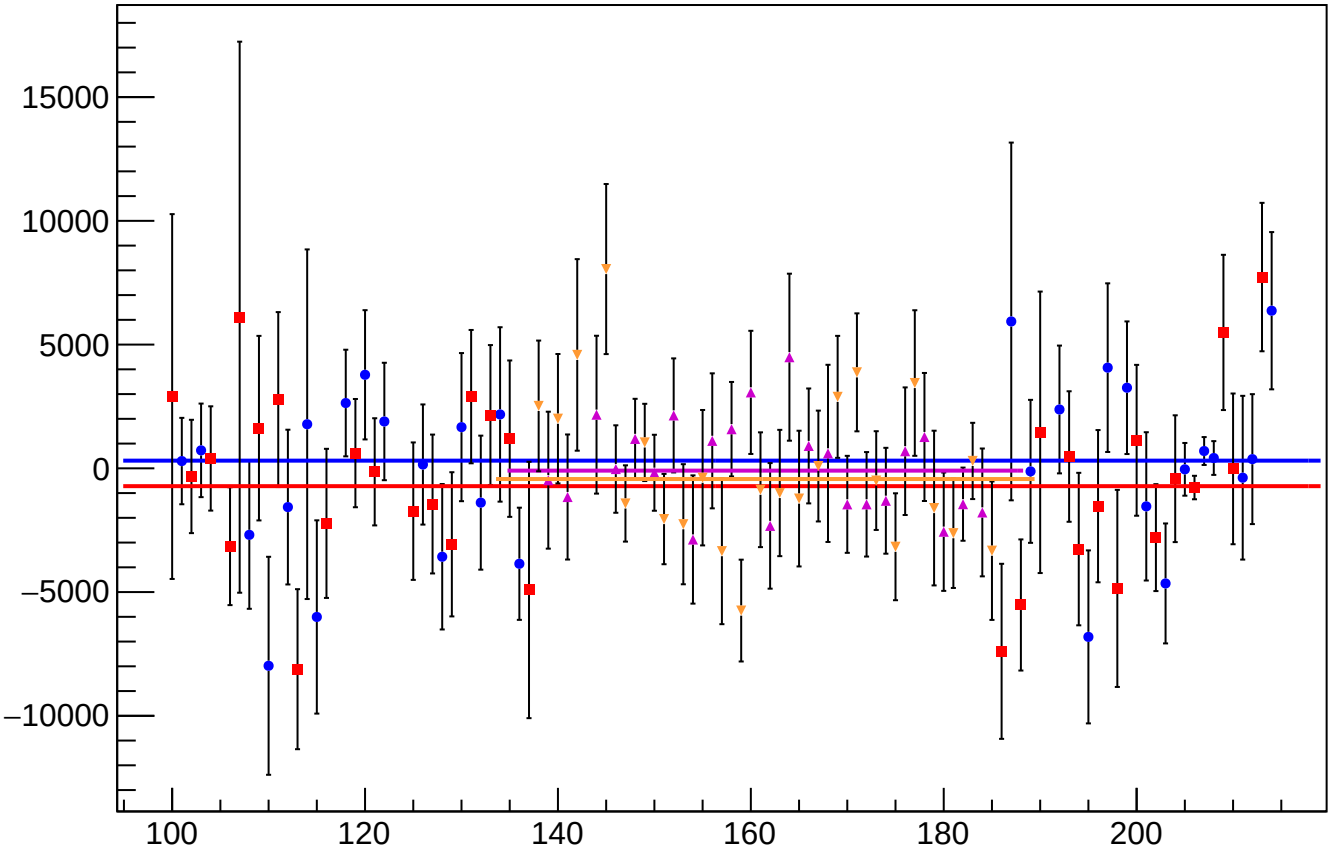
Right: 2245.869+/-0.263 χ^2/NDF: 726834.5/61

In: 2211.261+/-0.259 χ^2/NDF:549826.0/52

Out: 2218.556+/-0.258 χ^2/NDF:206341.7/55

All: 2214.925+/-0.183 χ^2/NDF: 756565.7/108

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



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

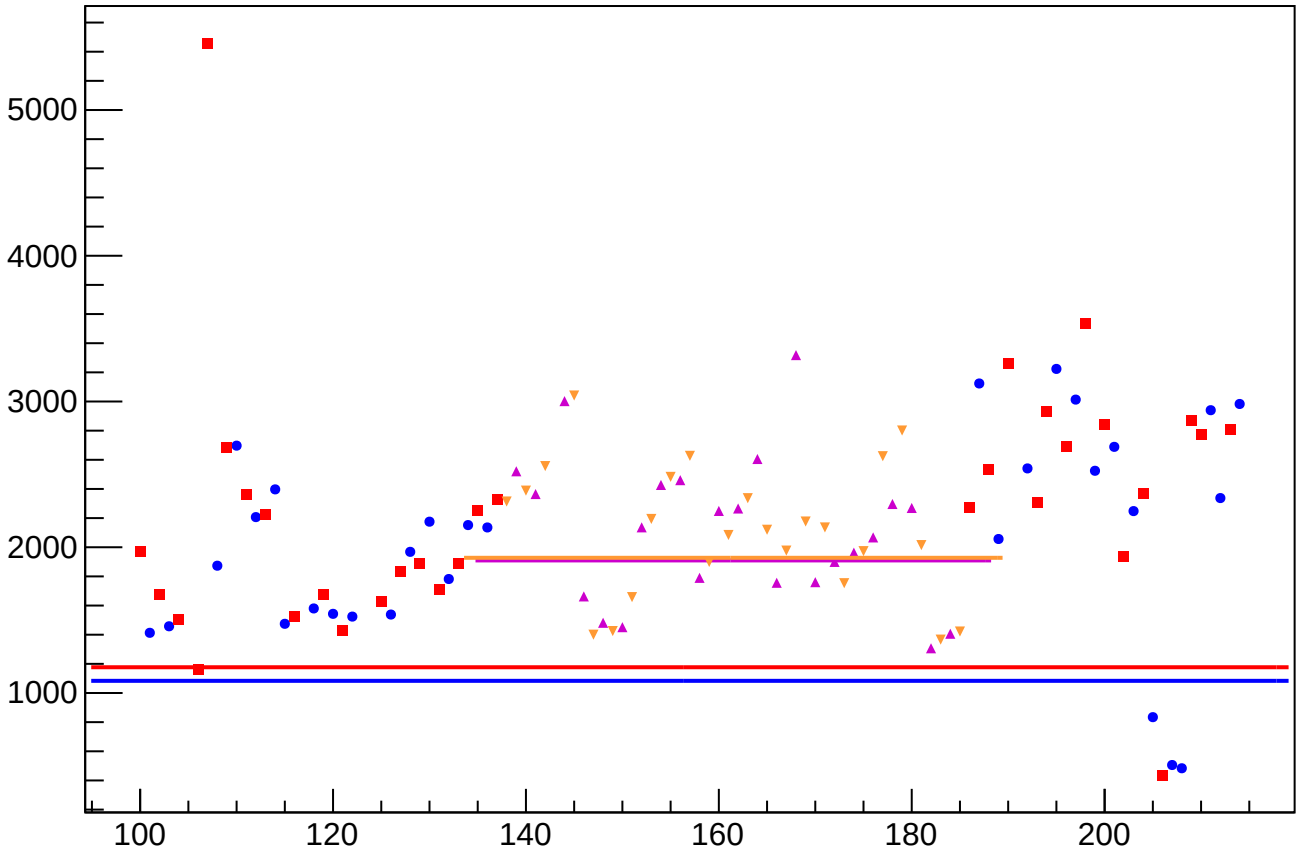
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

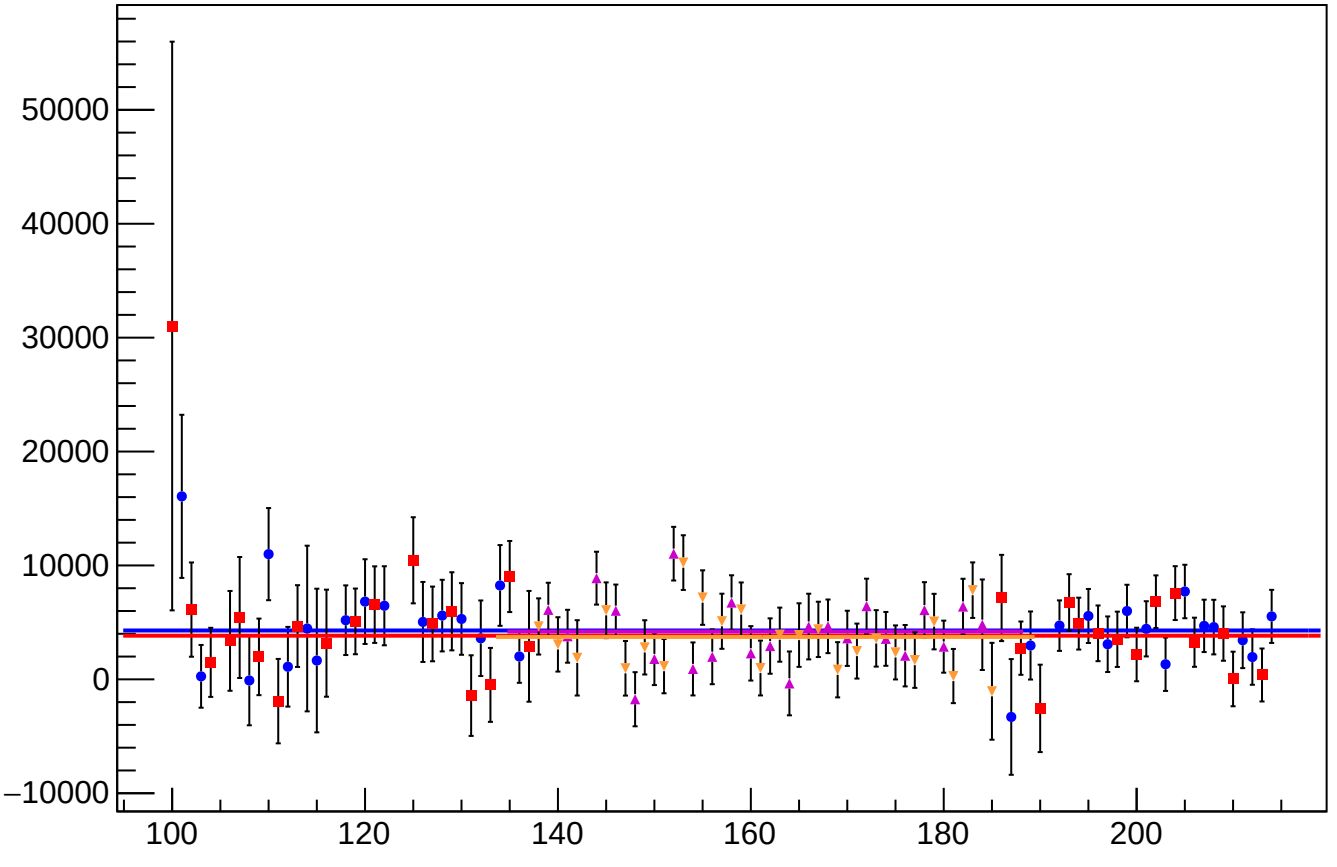
Right: -158.128+/-237.136 χ^2/NDF: 74.6/61

In: 178.757+/-263.429 χ^2/NDF:47.0/52

Out: -614.817+/-279.922 χ^2/NDF:67.8/55

All: -193.963+/-191.838 χ^2/NDF: 119.0/108


asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1083.444+/-0.227 χ²/NDF: 11994664.0/29
Left Out: 1927.659+/-0.327 χ²/NDF:1798407.2/23
Right Out: 1176.694+/-0.249 χ²/NDF: 13326878.5/31
Left In: 1909.618+/-0.326 χ²/NDF:1942286.8/22
Left: 1918.605+/-0.231 χ²/NDF: 3742222.0/46
Right: 1125.839+/-0.168 χ²/NDF: 25398223.4/61
In: 1353.602+/-0.186 χ²/NDF:18266161.5/52
Out: 1451.921+/-0.198 χ²/NDF:18467339.3/55
All: 1399.780+/-0.136 χ²/NDF: 36864353.0/



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

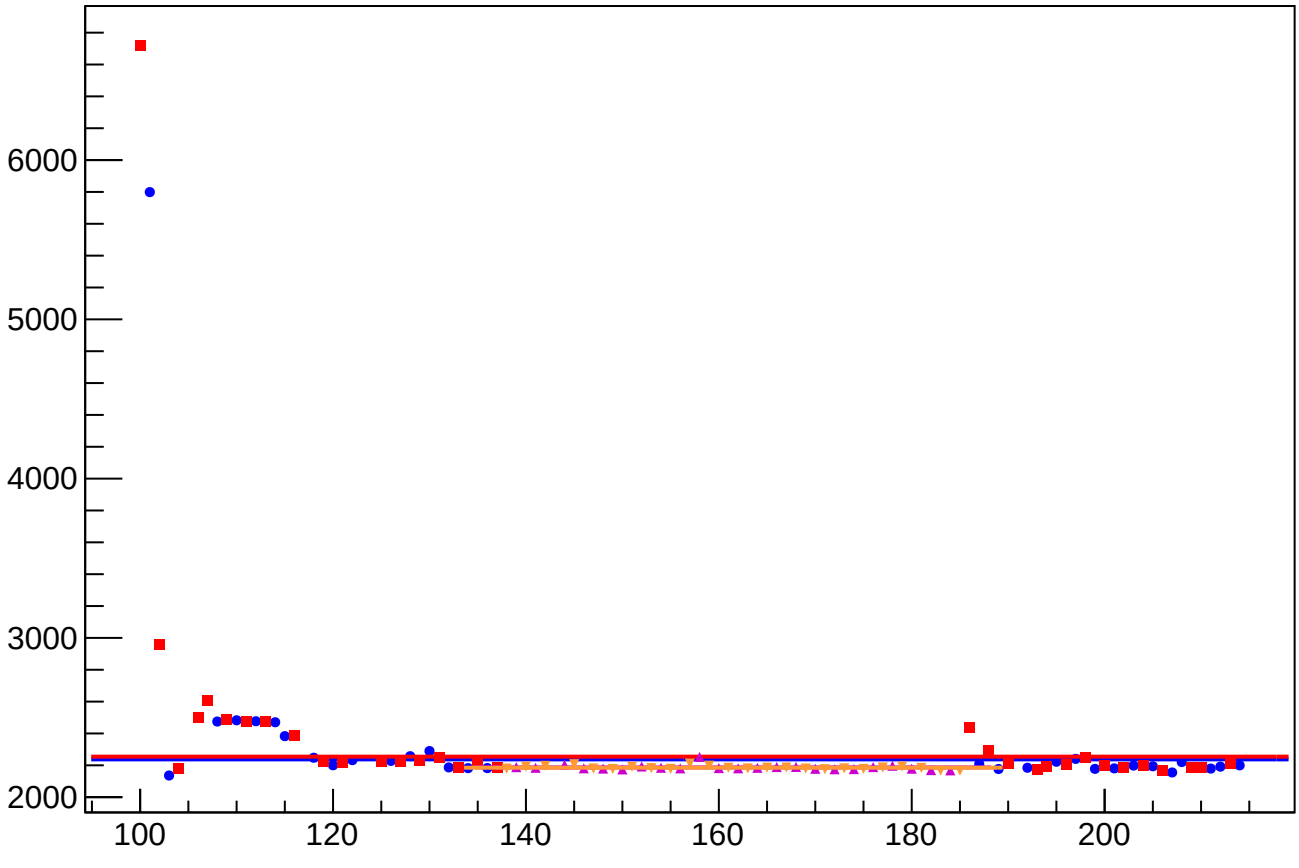
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4060.826+/-371.739 χ^2/NDF: 53.4/61

In: 4241.319+/-366.463 χ^2/NDF:54.1/52

Out: 3776.423+/-364.807 χ^2/NDF:56.5/55

All: 4007.818+/-258.541 χ^2/NDF: 111.4/108



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

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

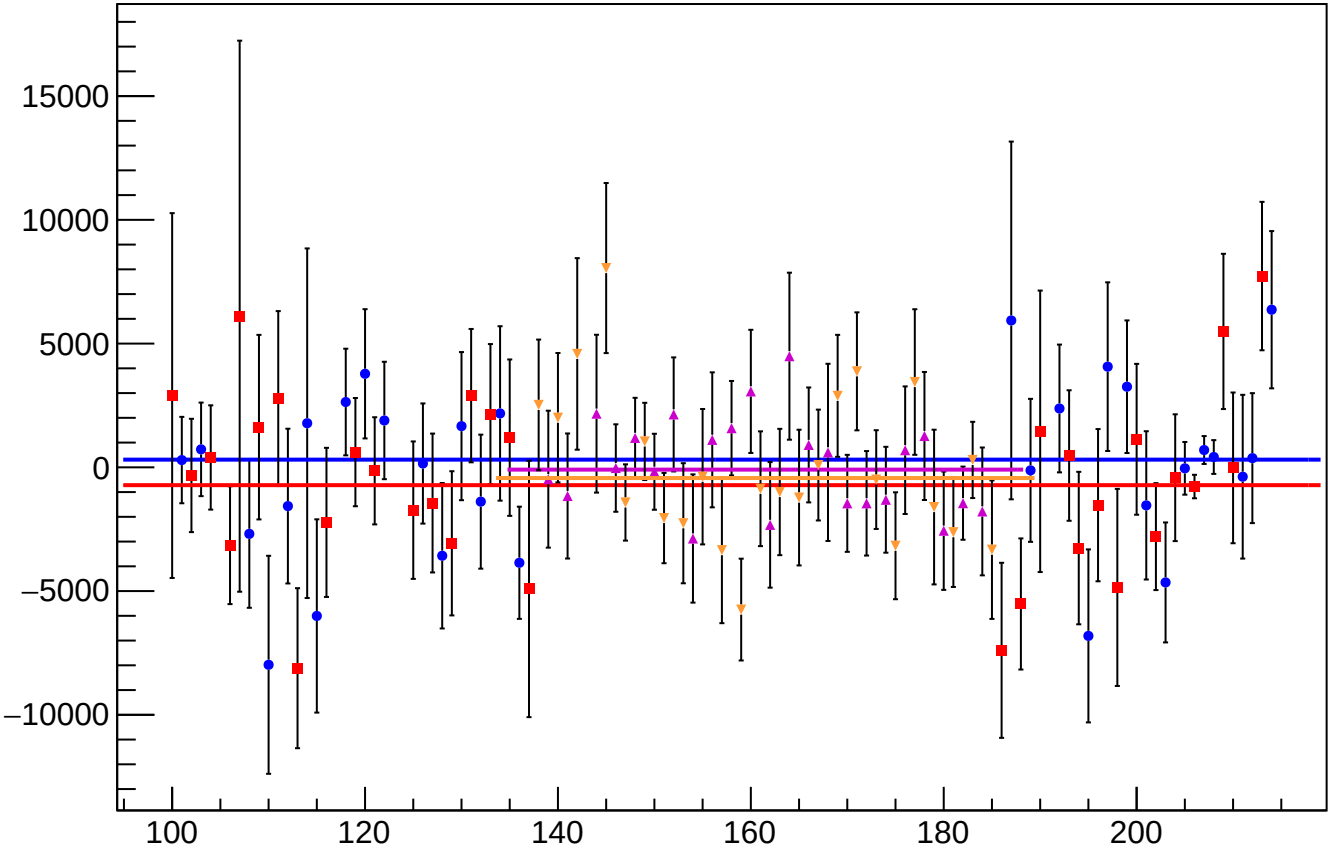
Right: 2245.869+/-0.263 χ^2/NDF: 726834.5/61

In: 2211.261+/-0.259 χ^2/NDF:549826.0/52

Out: 2218.556+/-0.258 χ^2/NDF:206341.7/55

All: 2214.925+/-0.183 χ^2/NDF: 756565.7/108

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

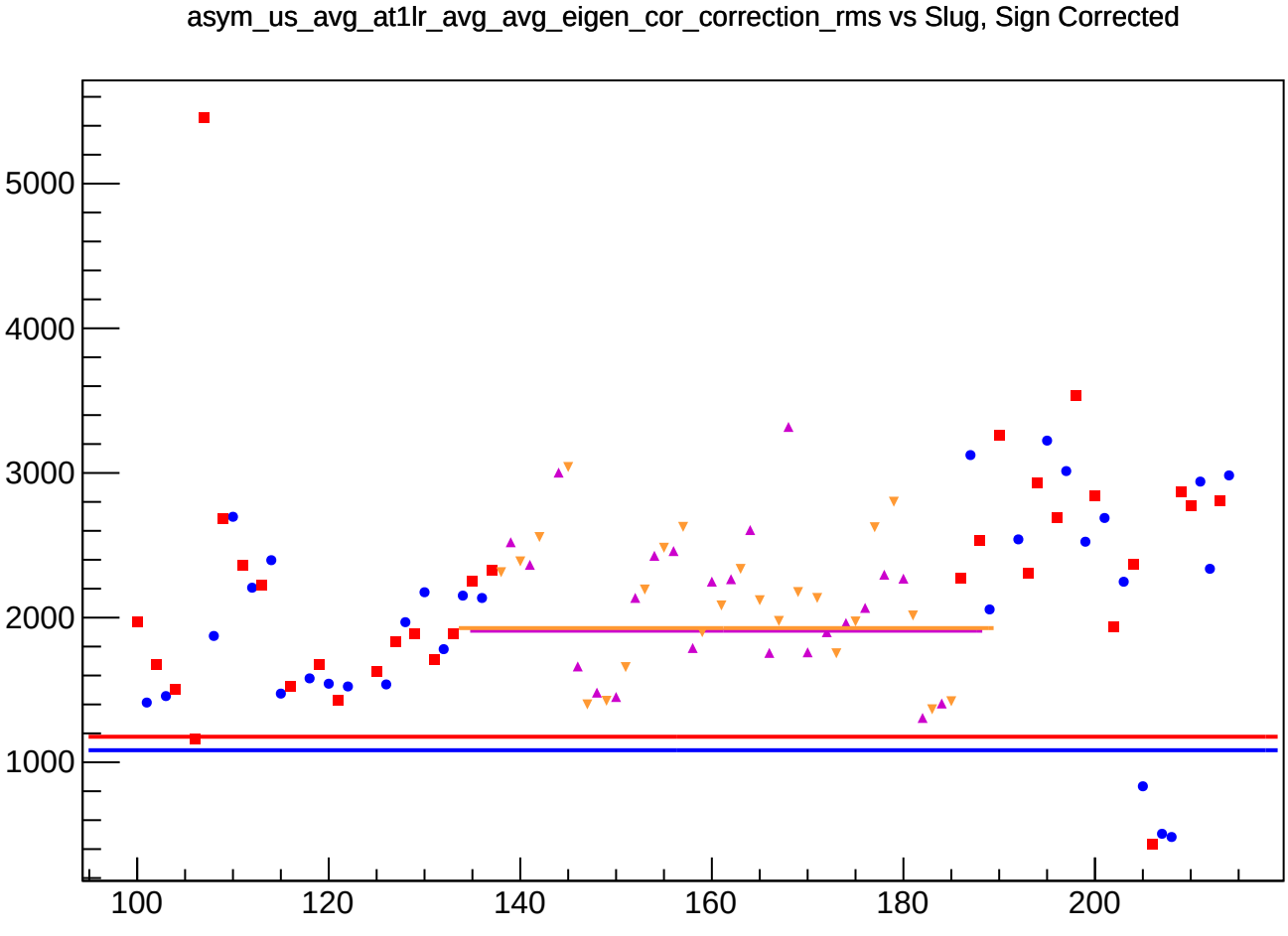
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -158.128+/-237.136 χ^2/NDF: 74.6/61

In: 178.757+/-263.429 χ^2/NDF:47.0/52

Out: -614.817+/-279.922 χ^2/NDF:67.8/55

All: -193.963+/-191.838 χ^2/NDF: 119.0/108


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
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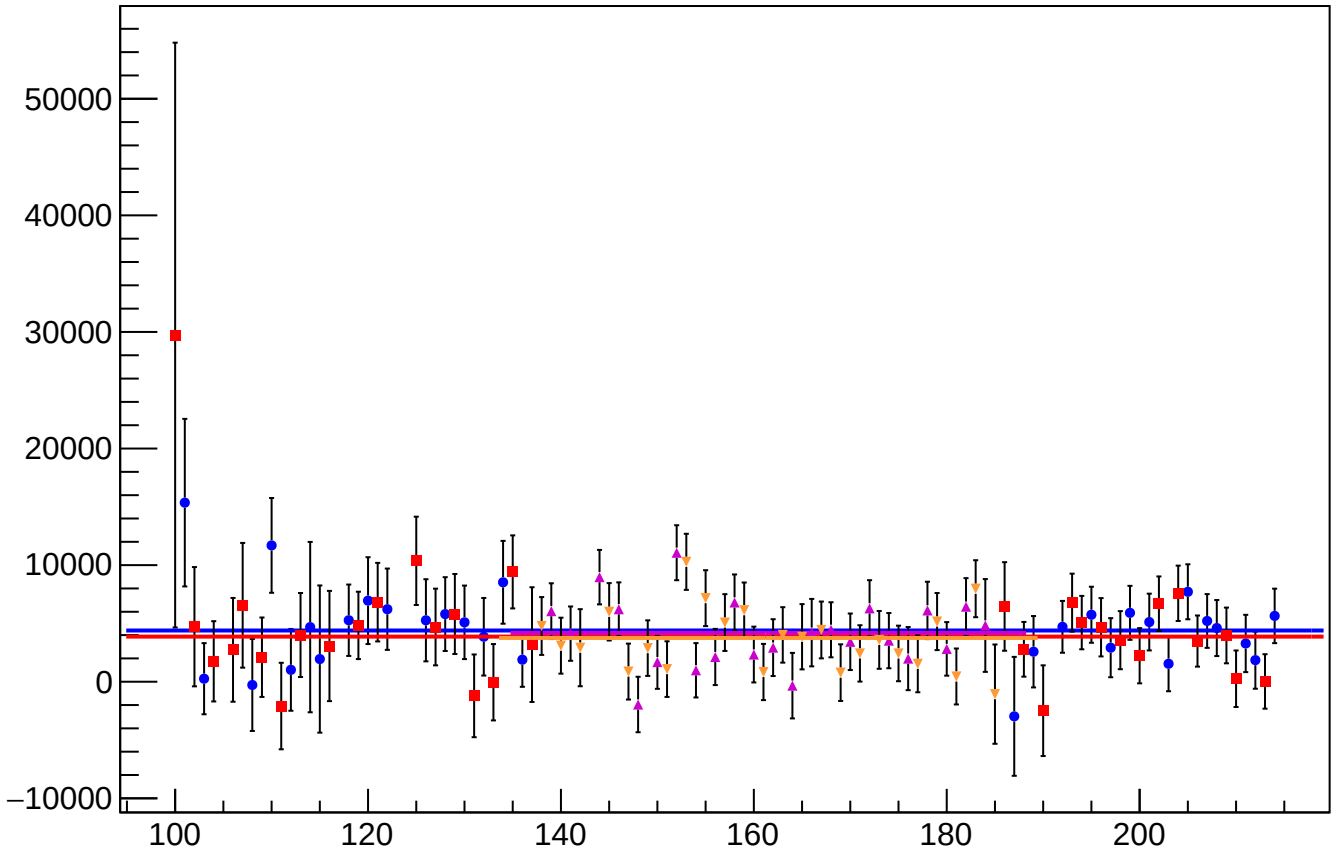
Right In: 1083.444+/-0.227 χ²/NDF: 11994664.0/29
Left Out: 1927.659+/-0.327 χ²/NDF:1798407.2/23
Right Out: 1176.694+/-0.249 χ²/NDF: 13326878.5/31
Left In: 1909.618+/-0.326 χ²/NDF:1942286.8/22
Left: 1918.605+/-0.231 χ²/NDF: 3742222.0/46
Right: 1125.839+/-0.168 χ²/NDF: 25398223.4/61
In: 1353.602+/-0.186 χ²/NDF:18266161.5/52
Out: 1451.921+/-0.198 χ²/NDF:18467339.3/55
All: 1399.780+/-0.136 χ²/NDF: 36864353.0/



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

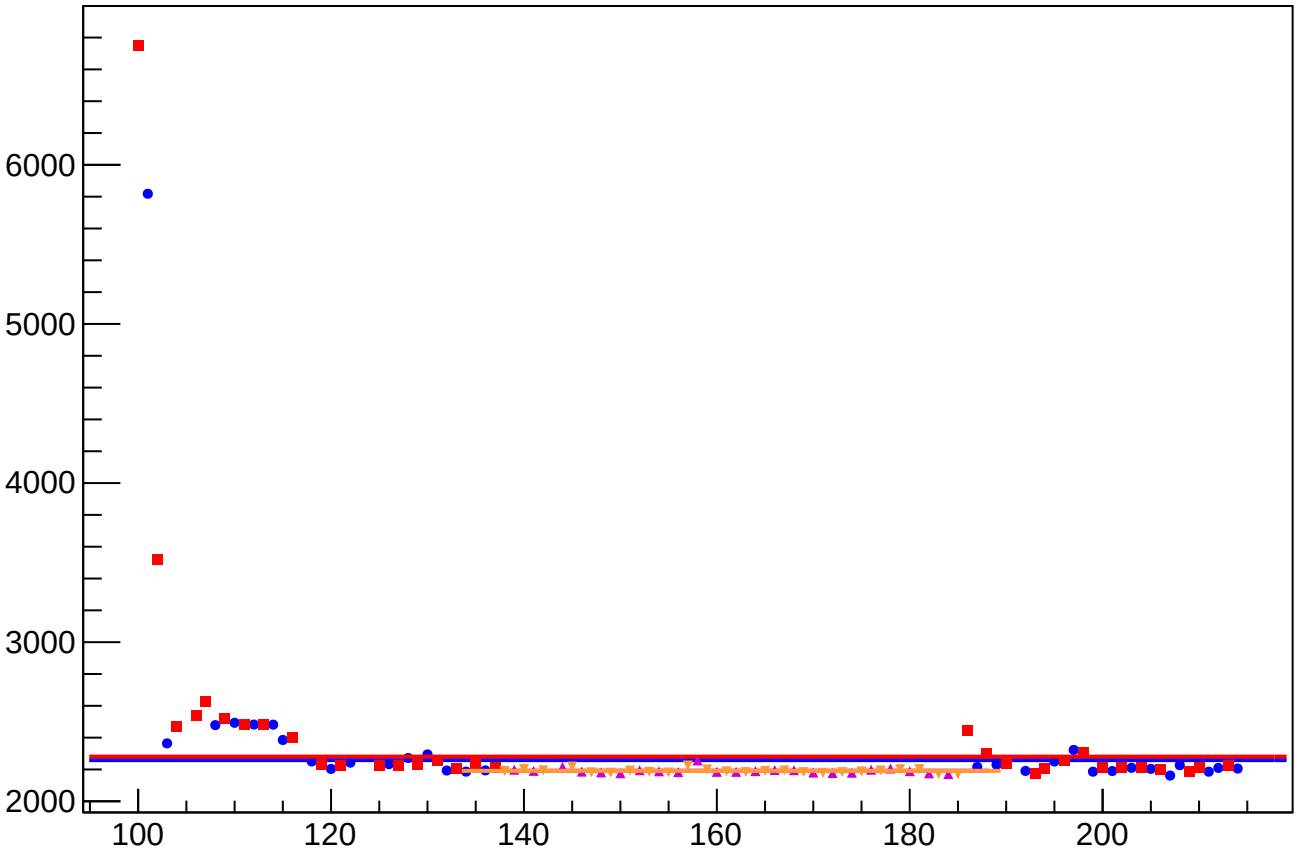
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4131.877+/-376.137 χ^2/NDF: 52.8/61

In: 4284.645+/-368.656 χ^2/NDF:55.1/52

Out: 3809.279+/-367.774 χ^2/NDF:55.7/55

All: 4046.393+/-260.367 χ^2/NDF: 111.6/108



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

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

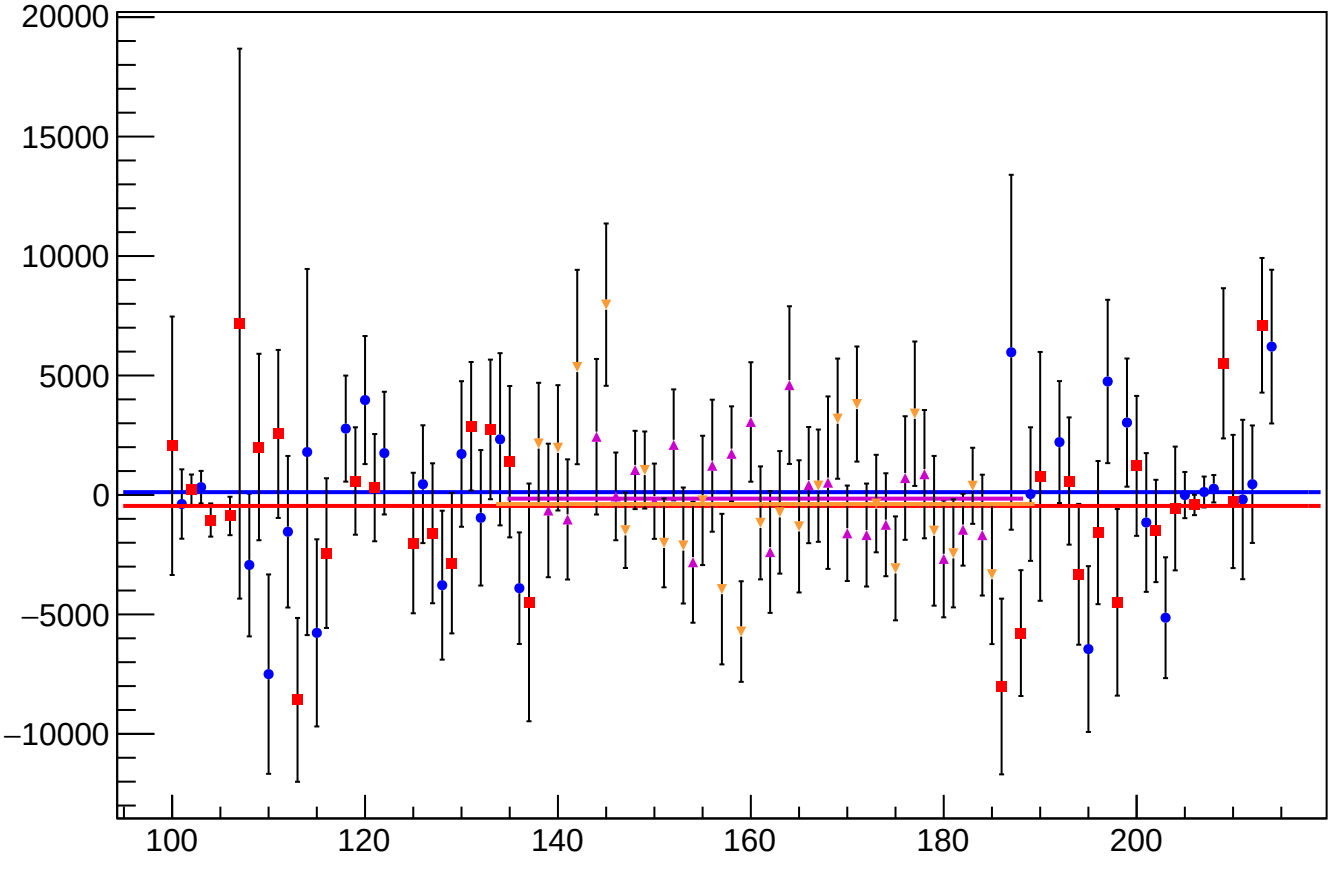
Right: 2269.652+/-0.266 χ^2/NDF: 792970.2/61

In: 2224.175+/-0.261 χ^2/NDF:555867.9/52

Out: 2233.874+/-0.260 χ^2/NDF:284698.4/55

All: 2229.036+/-0.184 χ^2/NDF: 841260.0/108

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



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

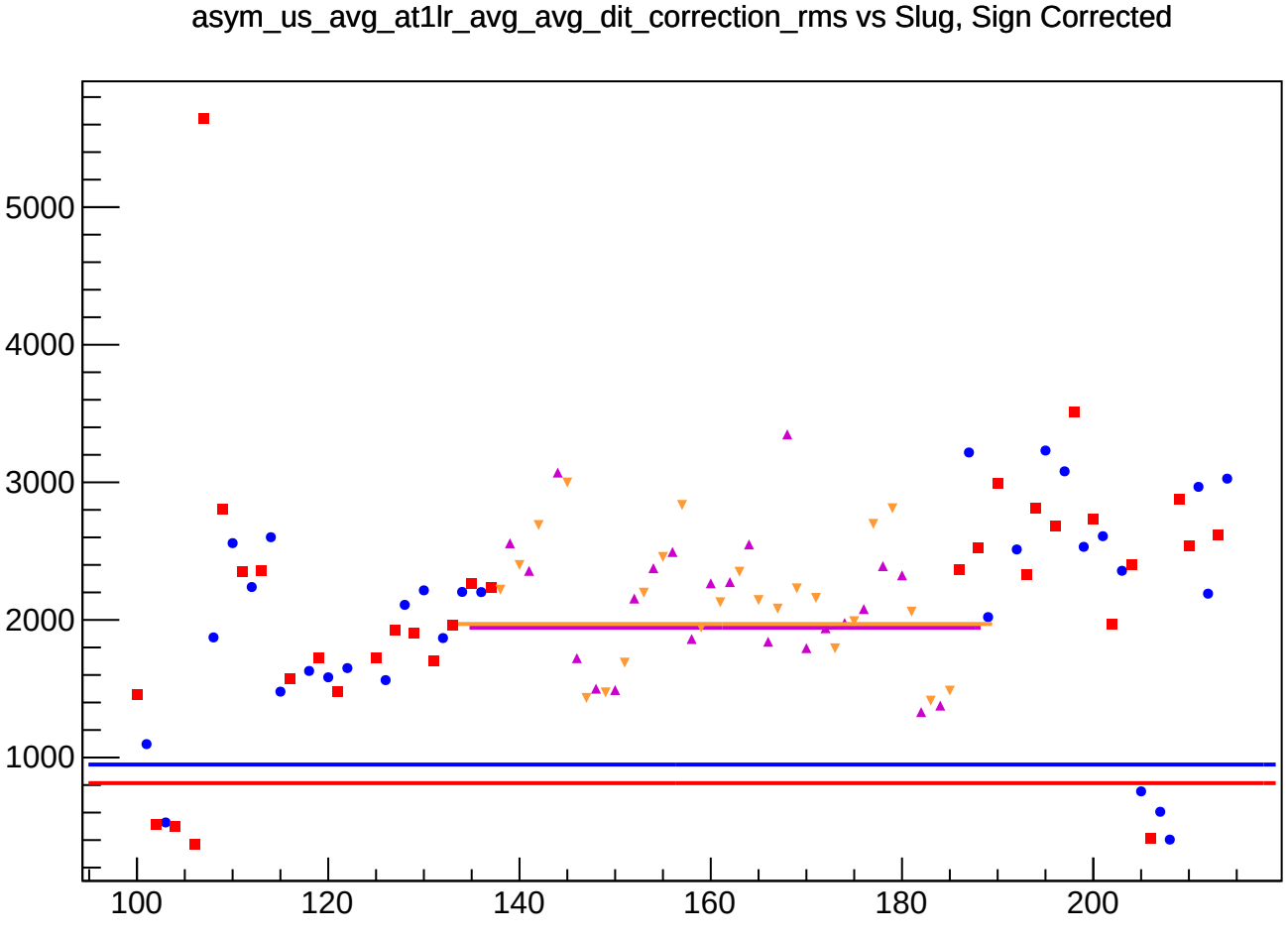
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -199.591+/-193.923 χ^2/NDF: 71.8/61

In: 42.463+/-245.805 χ^2/NDF:45.6/52

Out: -441.110+/-228.786 χ^2/NDF:67.9/55

All: -216.642+/-167.470 χ^2/NDF: 115.6/108



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

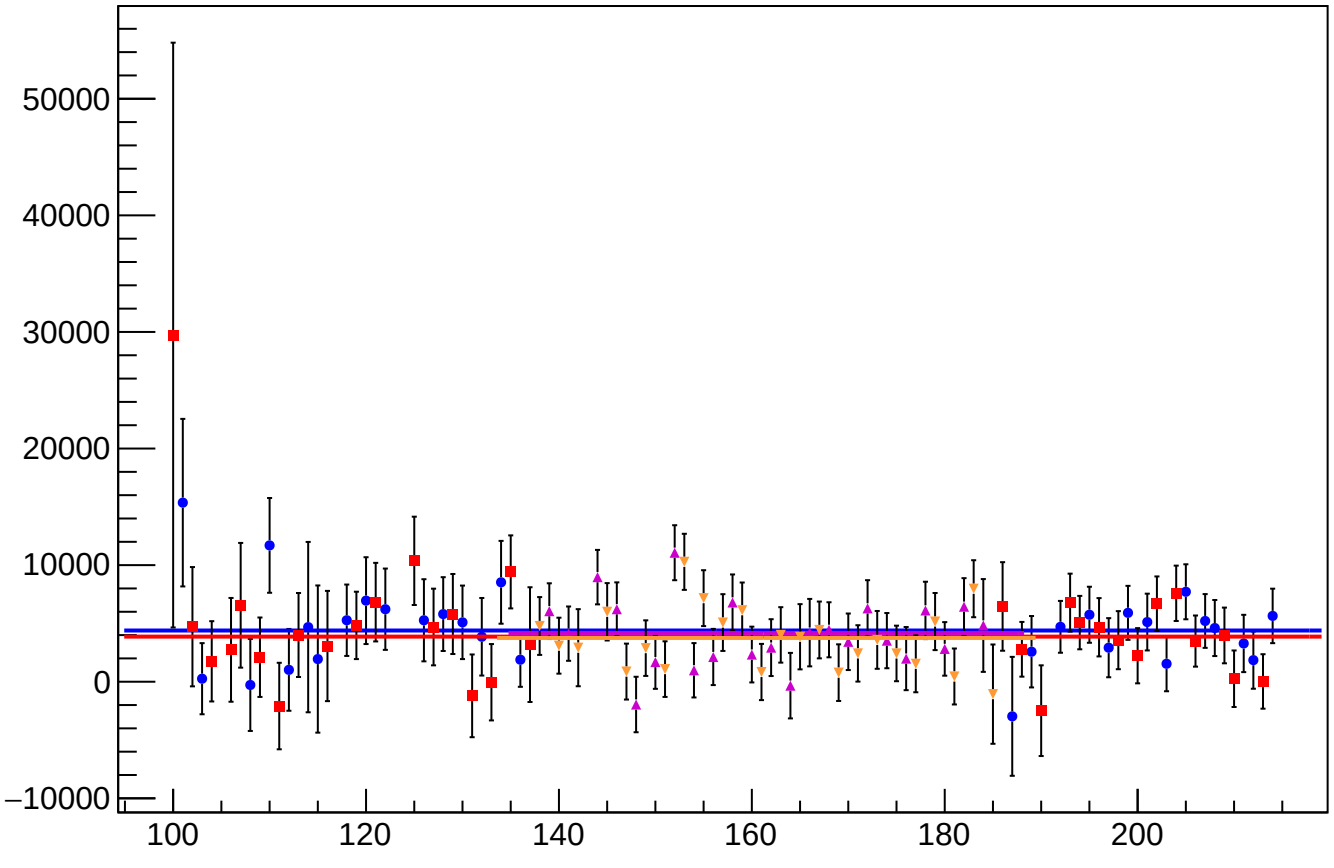
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 874.822+/-0.137 χ^2/NDF: 30477429.4/61

In: 1223.353+/-0.174 χ^2/NDF:21760817.9/52

Out: 1086.343+/-0.162 χ^2/NDF:27801115.7/55

All: 1149.941+/-0.118 χ^2/NDF: 49894873.8/



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

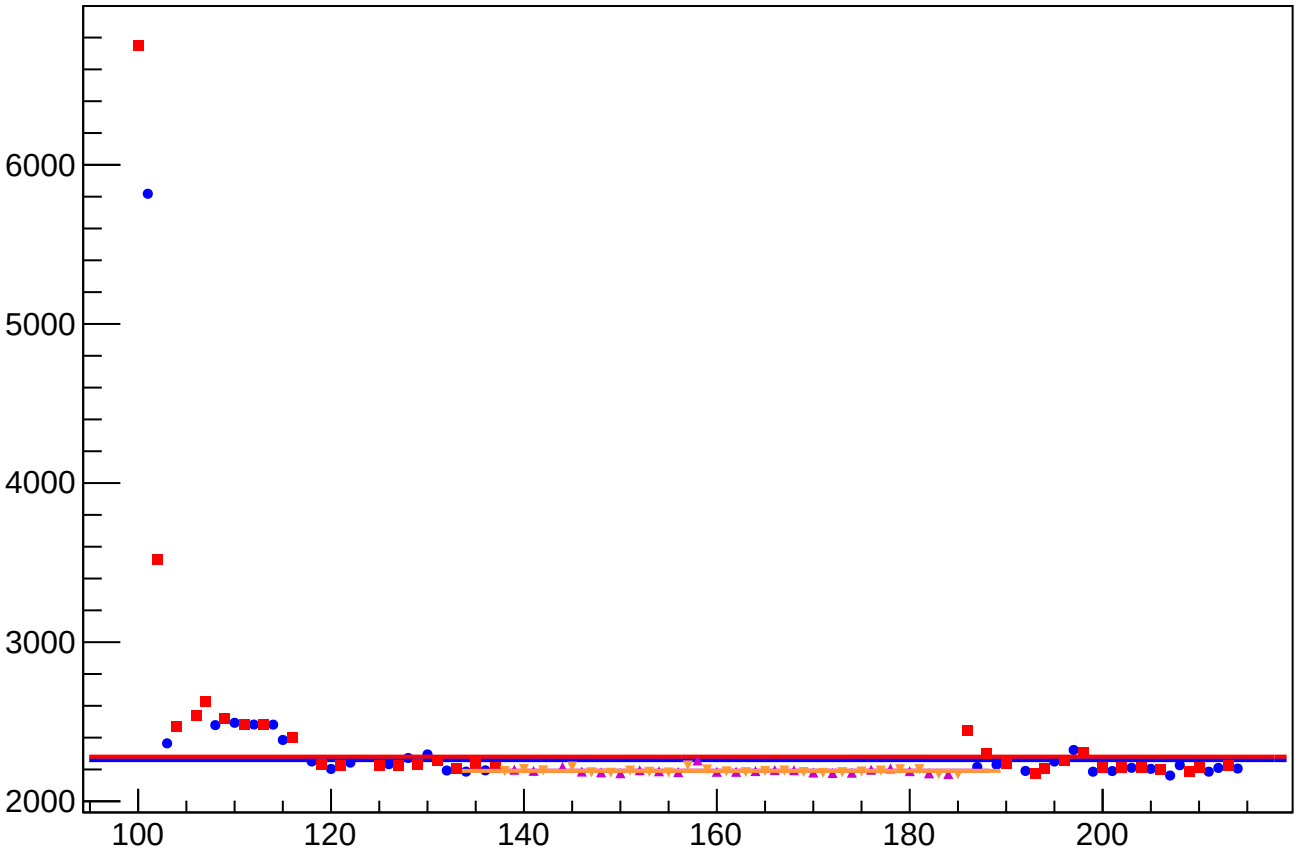
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4131.875+/-376.137 χ^2/NDF: 52.8/61

In: 4284.645+/-368.656 χ^2/NDF:55.1/52

Out: 3809.277+/-367.774 χ^2/NDF:55.7/55

All: 4046.392+/-260.367 χ^2/NDF: 111.6/108



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

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

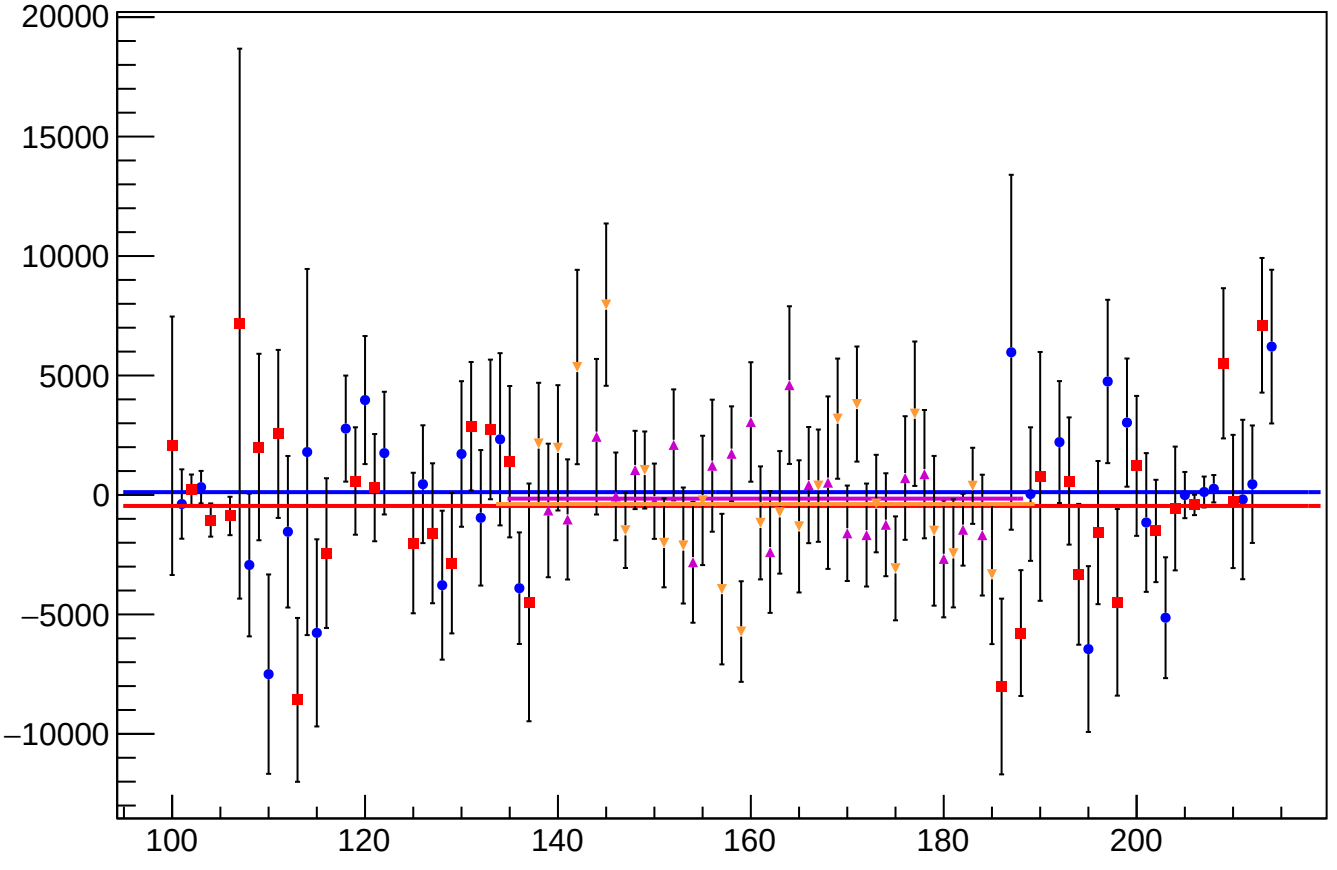
Right: 2269.652+/-0.266 χ^2/NDF: 792968.7/61

In: 2224.175+/-0.261 χ^2/NDF:555867.6/52

Out: 2233.874+/-0.260 χ^2/NDF:284696.9/55

All: 2229.036+/-0.184 χ^2/NDF: 841258.3/108

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

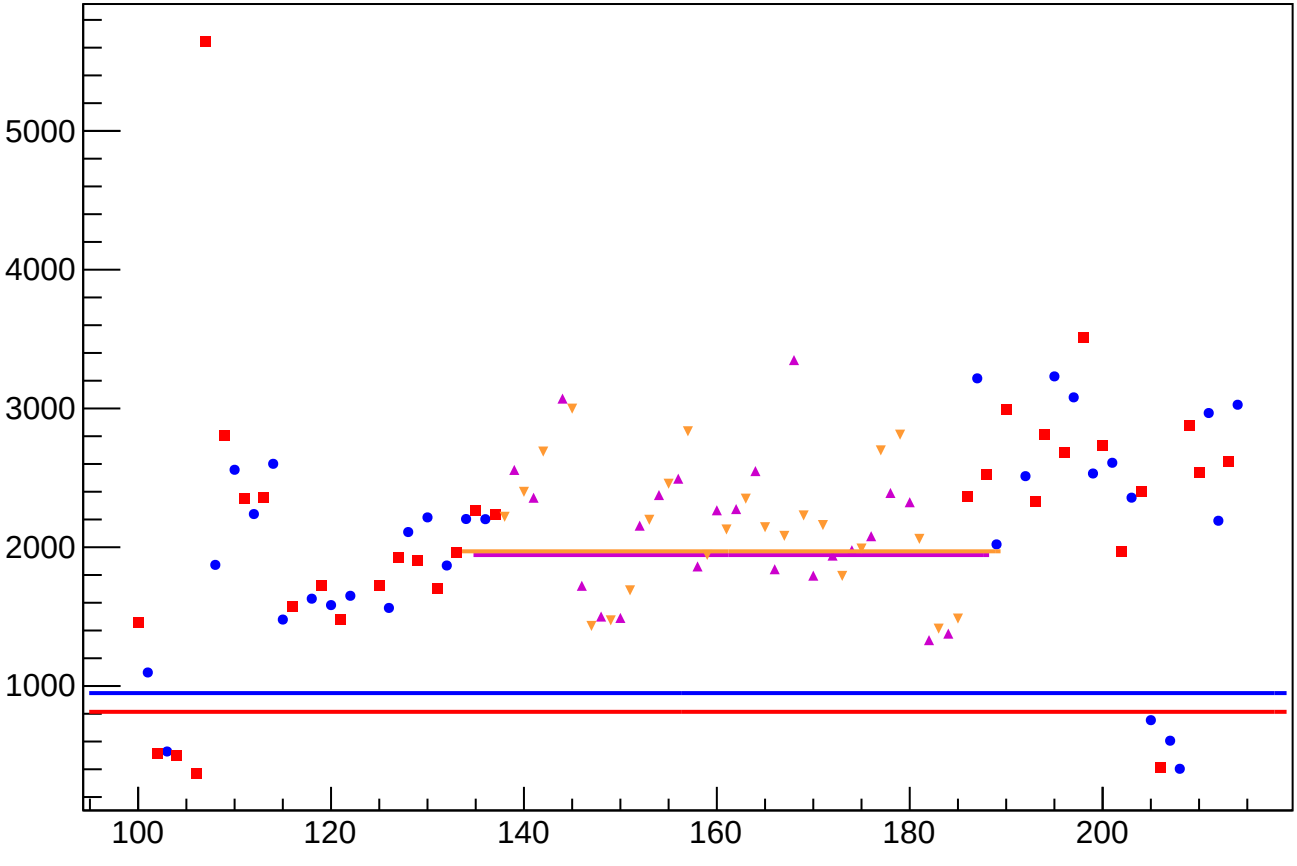
Right: -199.590+/-193.924 χ^2/NDF: 71.8/61

In: 42.460+/-245.805 χ^2/NDF:45.6/52

Out: -441.108+/-228.787 χ^2/NDF:67.9/55

All: -216.641+/-167.470 χ^2/NDF: 115.6/108

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

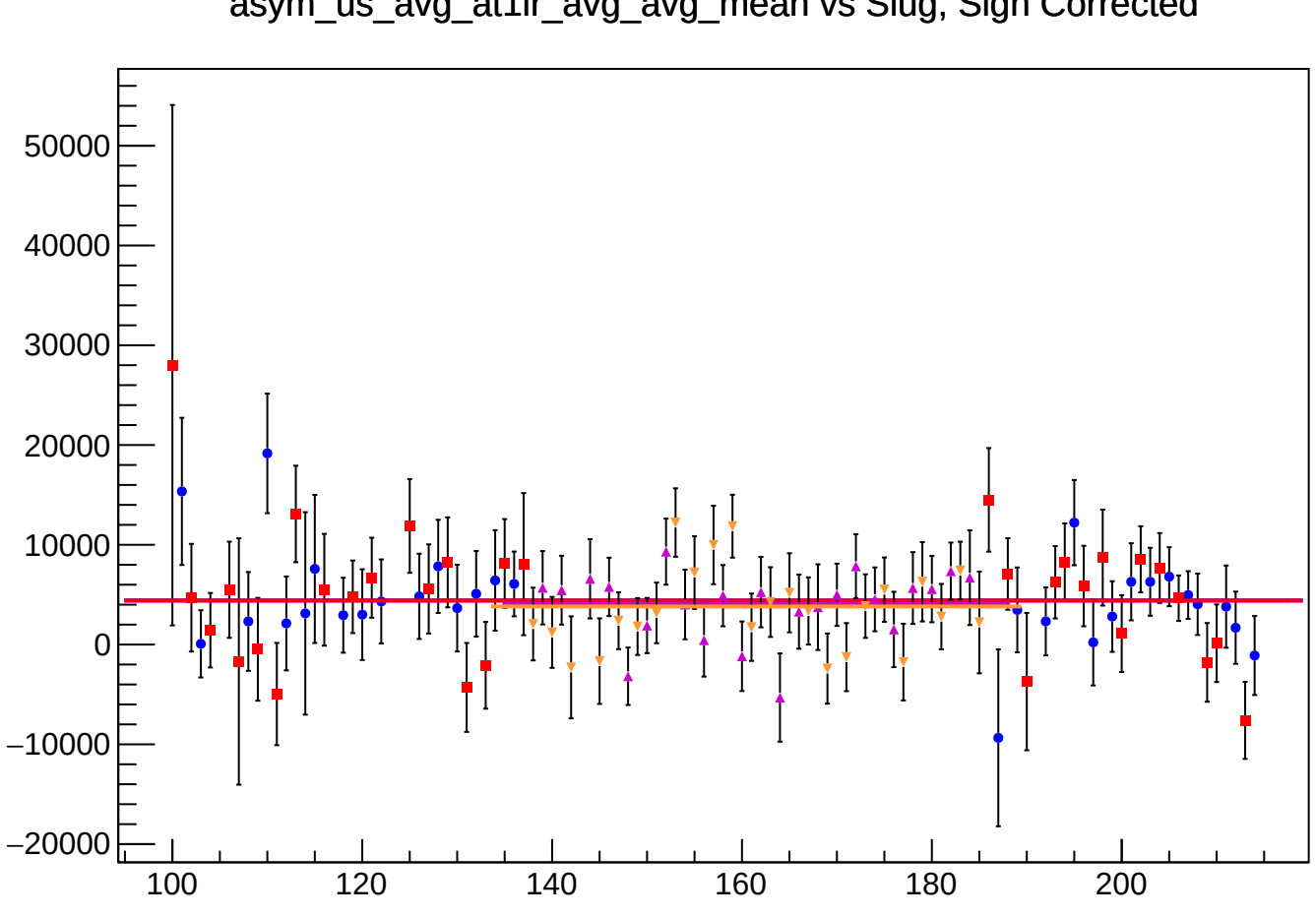
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 874.825+/-0.137 χ^2/NDF: 30477356.7/61

In: 1223.353+/-0.174 χ^2/NDF:21760866.7/52

Out: 1086.348+/-0.162 χ^2/NDF:27800977.6/55

All: 1149.944+/-0.118 χ^2/NDF: 49894758.0/



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

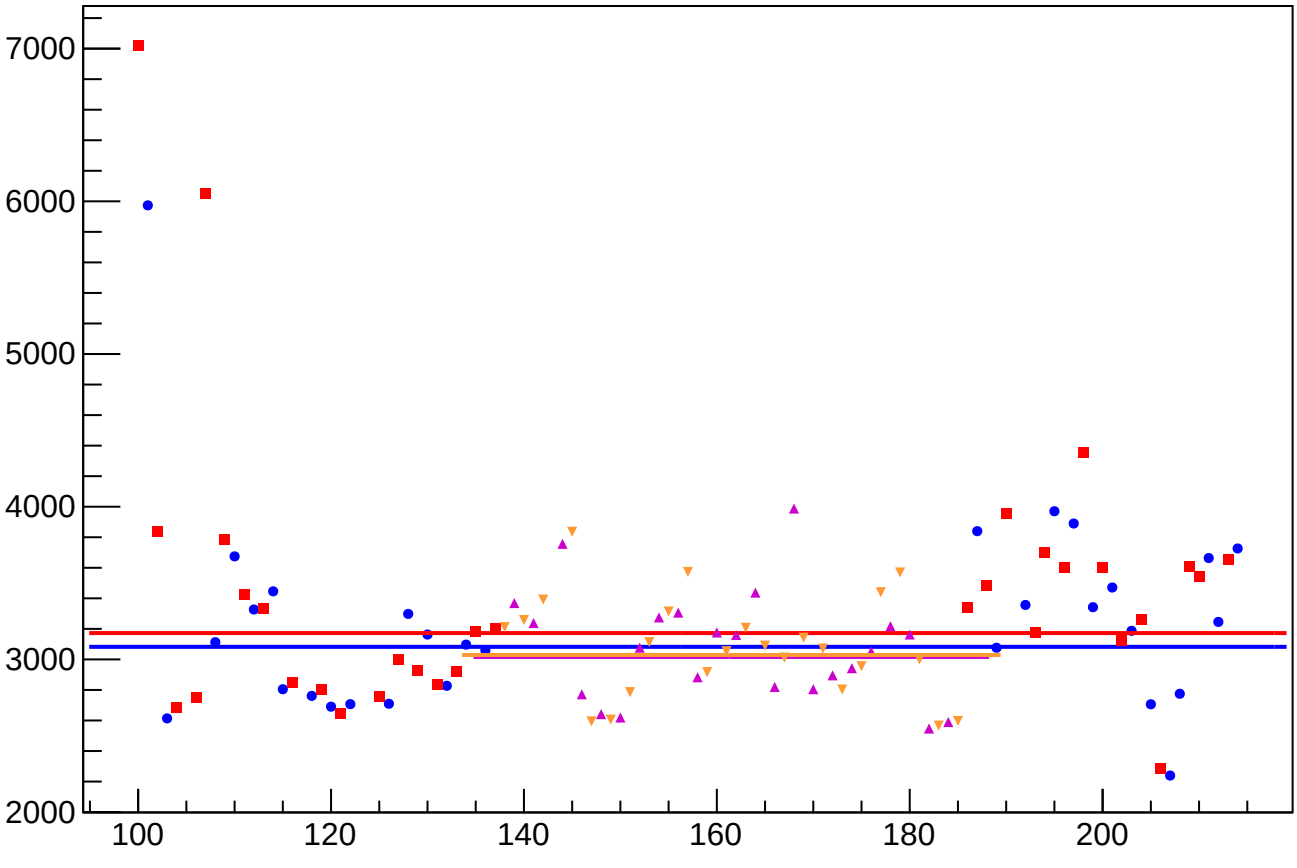
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4415.352+/-524.670 χ^2/NDF: 67.3/61

In: 4224.766+/-510.181 χ^2/NDF:45.5/52

Out: 4097.205+/-515.023 χ^2/NDF:75.6/55

All: 4161.588+/-362.452 χ^2/NDF: 121.1/108



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

Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

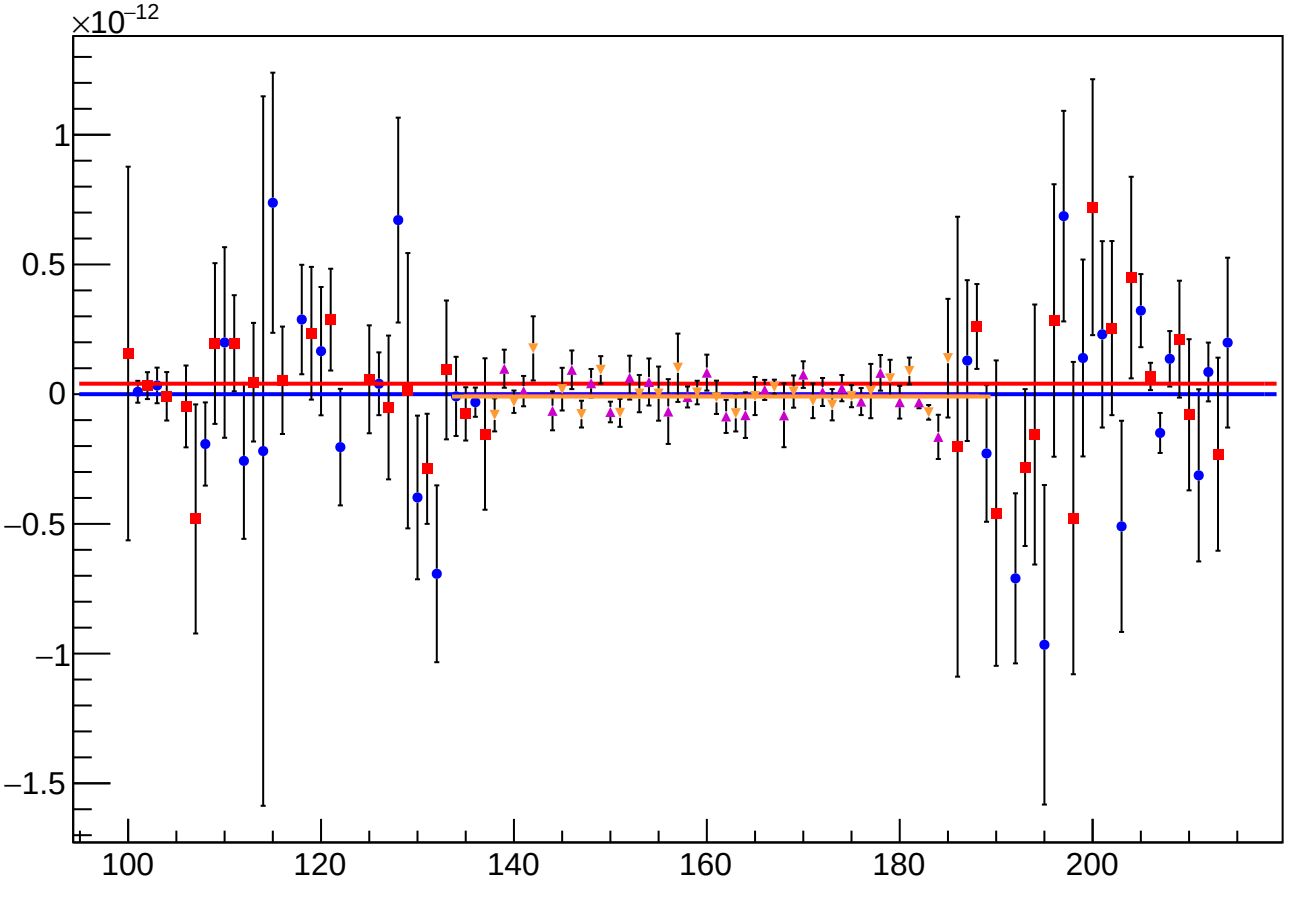
Right: 3126.460+/-0.371 χ^2/NDF: 2076484.6/61

In: 3048.175+/-0.361 χ^2/NDF:1512489.7/52

Out: 3096.643+/-0.364 χ^2/NDF:1433333.8/55

All: 3072.180+/-0.256 χ^2/NDF: 2954763.5/10

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

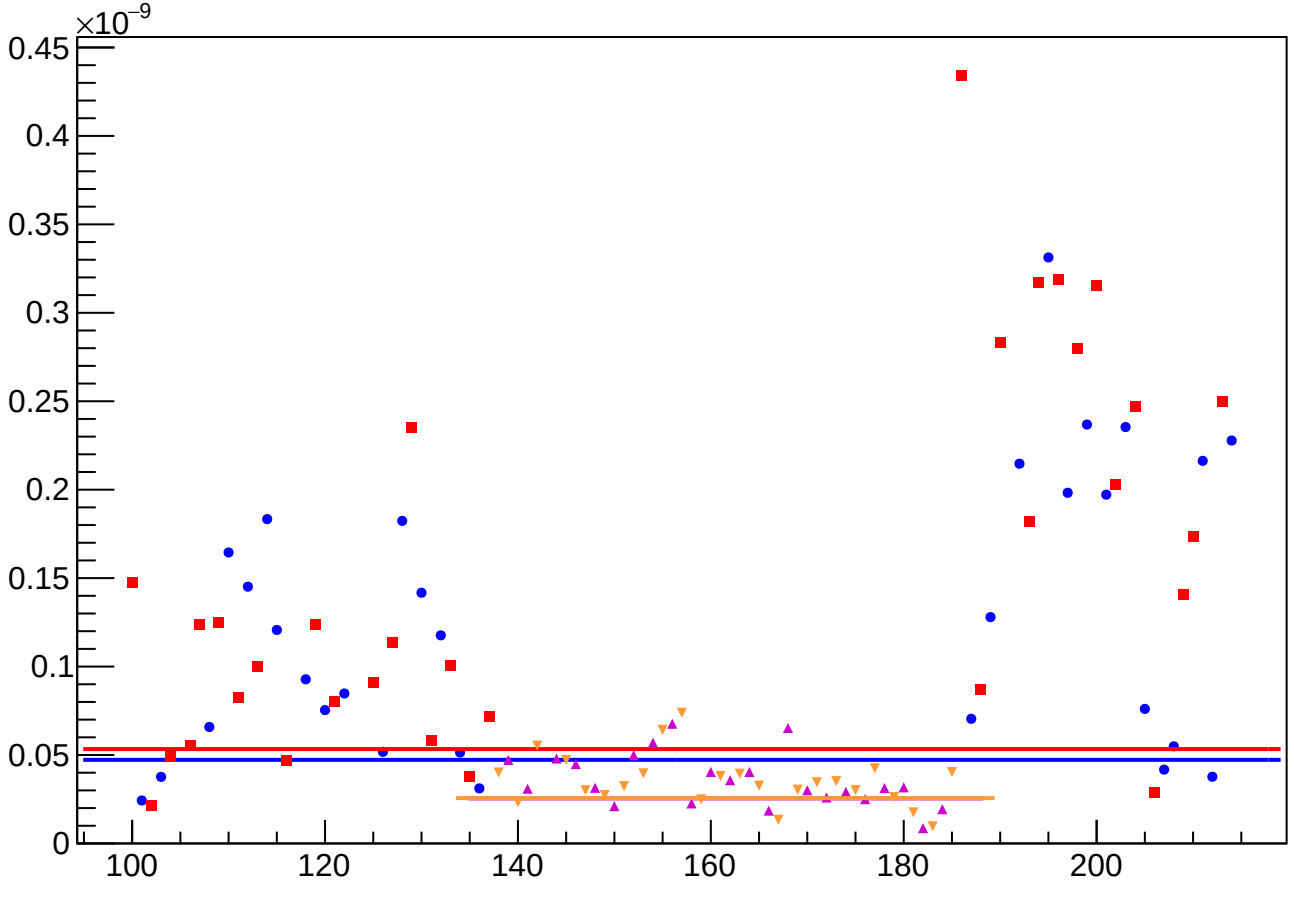
Right: 0.000+/-0.000 χ^2/NDF: 63.1/61

In: -0.000+/-0.000 χ^2/NDF:65.9/52

Out: -0.000+/-0.000 χ^2/NDF:46.2/55

All: -0.000+/-0.000 χ^2/NDF: 112.2/108

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

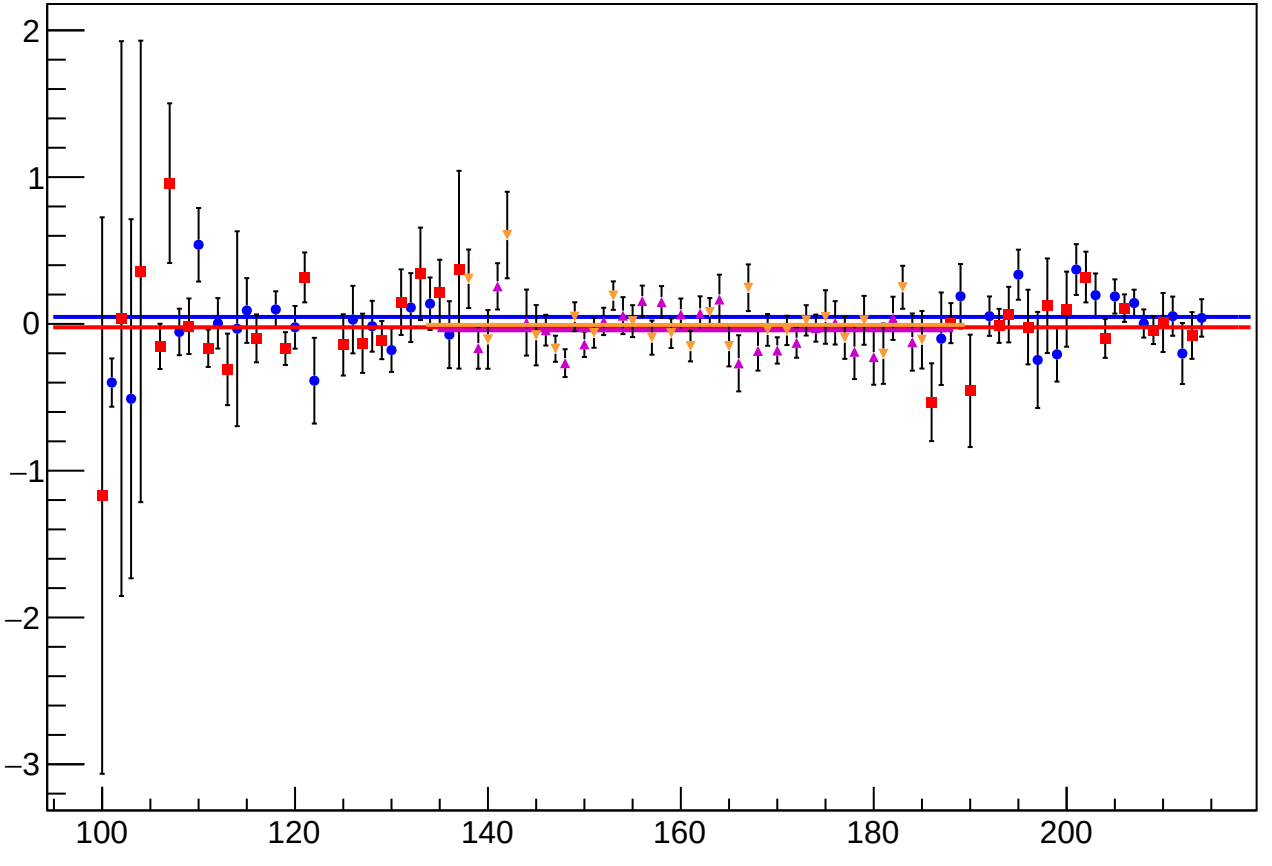
Right: 0.000+/-0.000 χ^2/NDF: 13330876.9/61

In: 0.000+/-0.000 χ^2/NDF:10139279.7/52

Out: 0.000+/-0.000 χ^2/NDF:11534480.9/55

All: 0.000+/-0.000 χ^2/NDF: 21673789.5/108

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

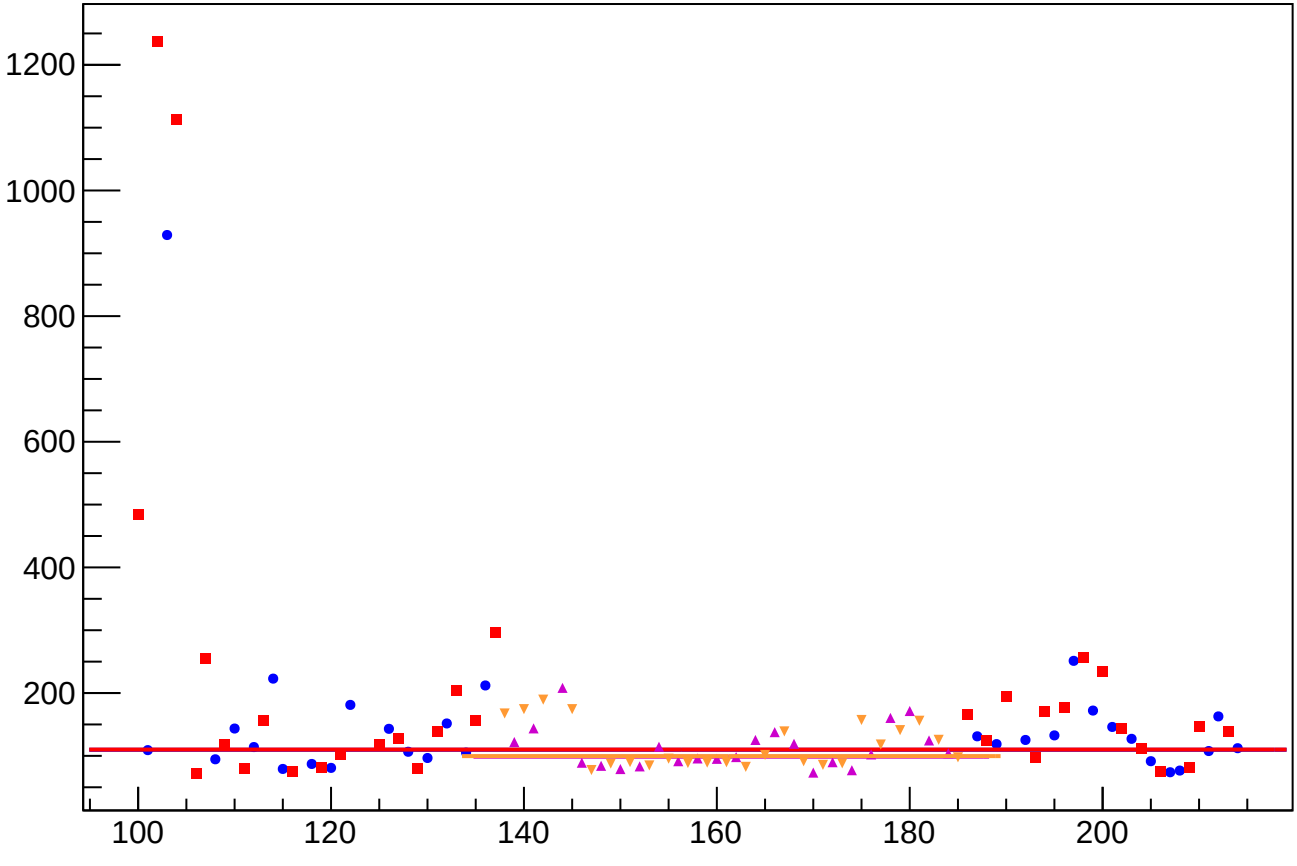
Right: 0.013+/-0.021 χ^2/NDF: 64.7/61

In: -0.006+/-0.019 χ^2/NDF:68.2/52

Out: -0.013+/-0.020 χ^2/NDF:57.4/55

All: -0.010+/-0.014 χ^2/NDF: 125.6/108

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

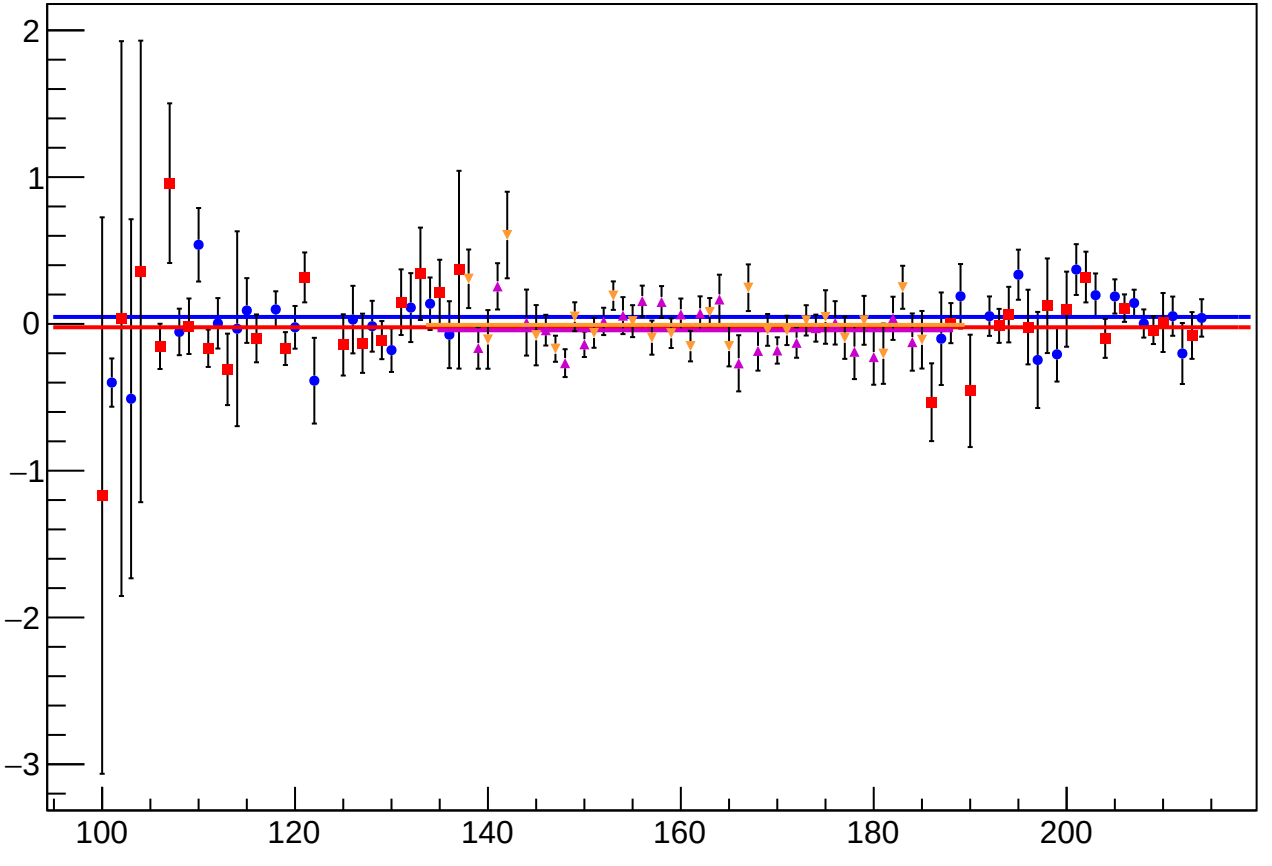
Right: 109.838+/-0.015 χ^2/NDF: 8354158.4/61

In: 103.220+/-0.014 χ^2/NDF:5523341.3/52

Out: 103.809+/-0.014 χ^2/NDF:7201709.6/55

All: 103.509+/-0.010 χ^2/NDF: 12725978.9/10

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

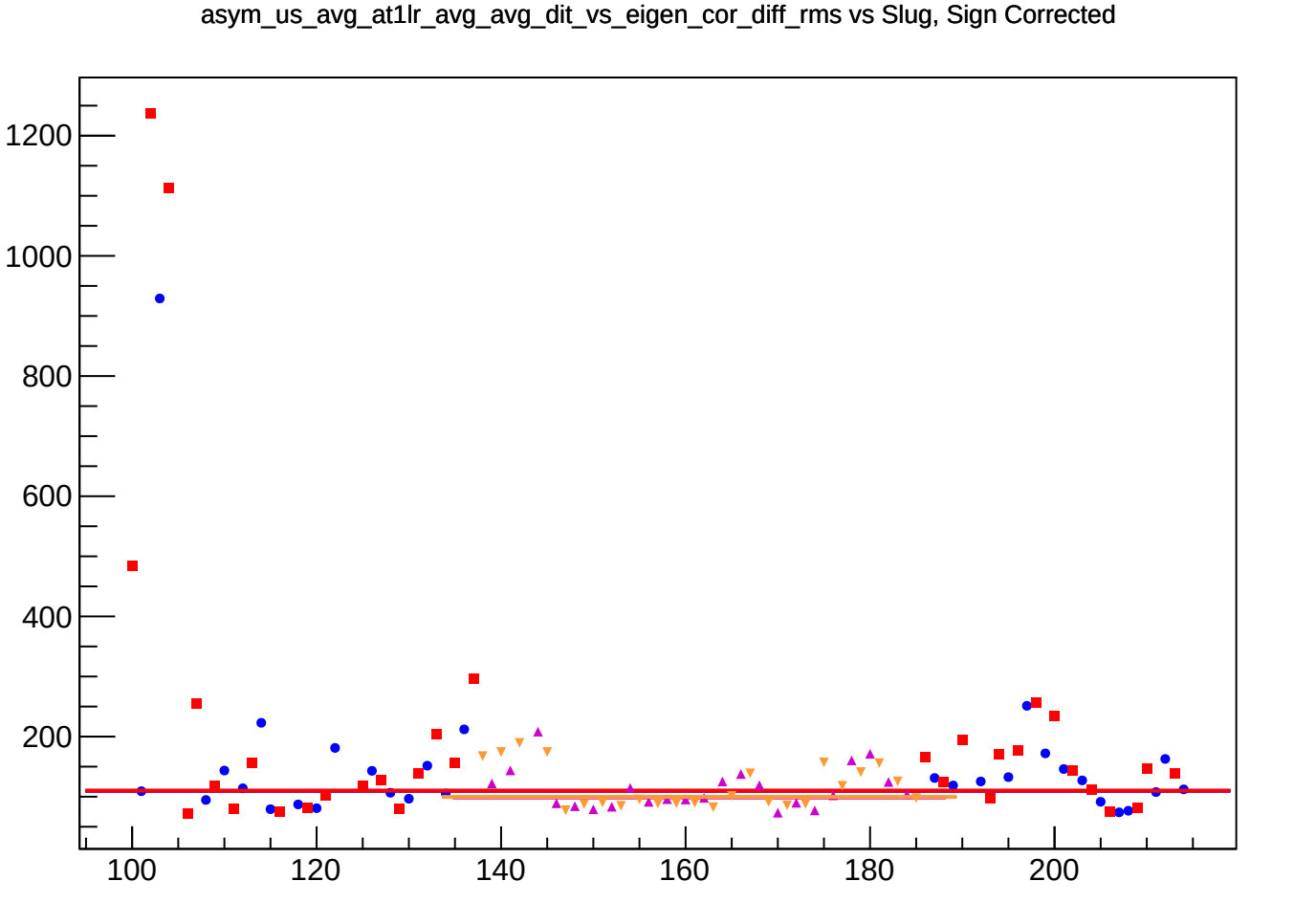
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.013+/-0.021 χ^2/NDF: 64.7/61

In: -0.006+/-0.019 χ^2/NDF:68.2/52

Out: -0.013+/-0.020 χ^2/NDF:57.4/55

All: -0.010+/-0.014 χ^2/NDF: 125.6/108



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

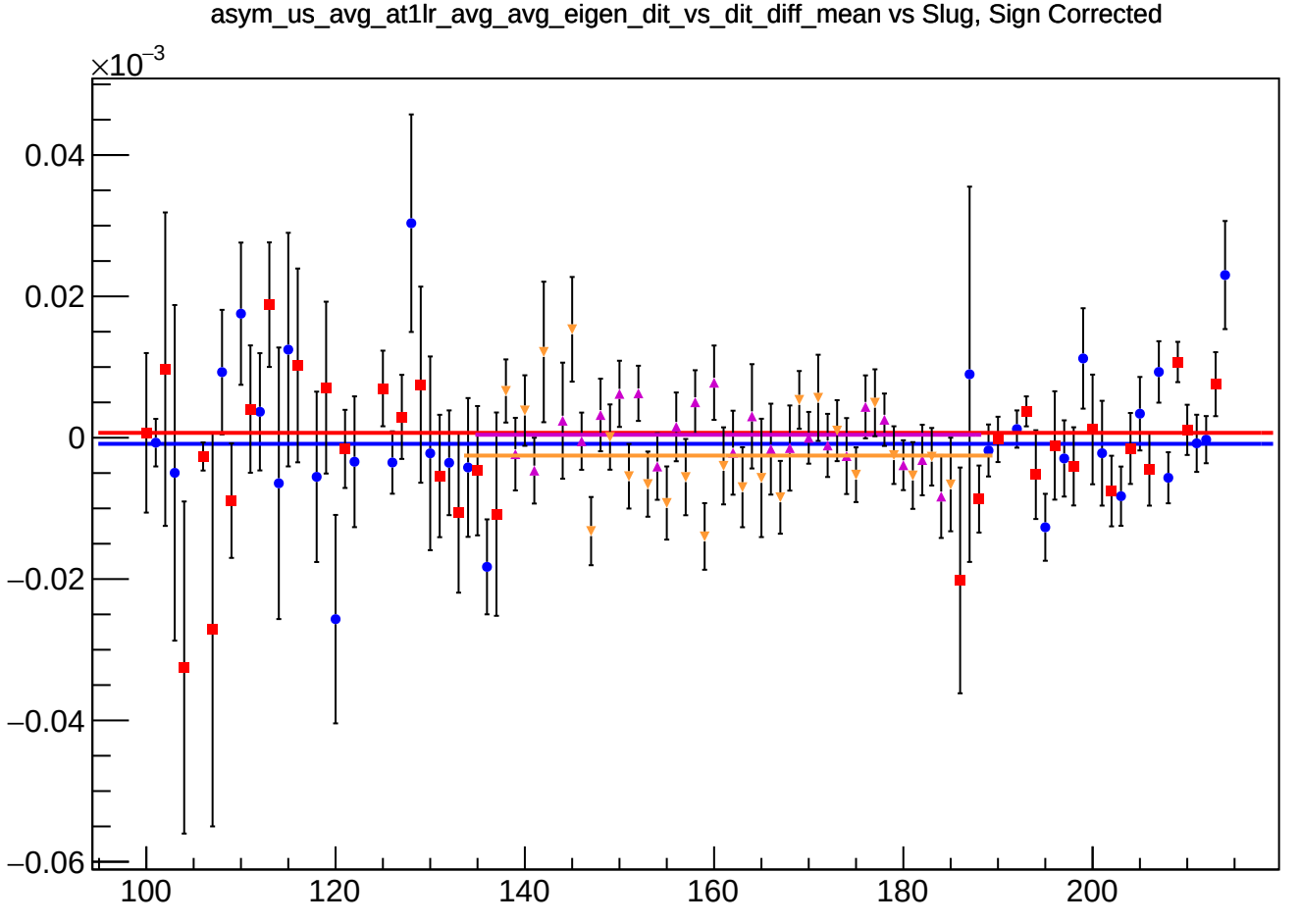
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 109.838+/-0.015 χ^2/NDF: 8354158.4/61

In: 103.220+/-0.014 χ^2/NDF:5523341.3/52

Out: 103.809+/-0.014 χ^2/NDF:7201709.6/55

All: 103.509+/-0.010 χ^2/NDF: 12725978.9/10



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

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

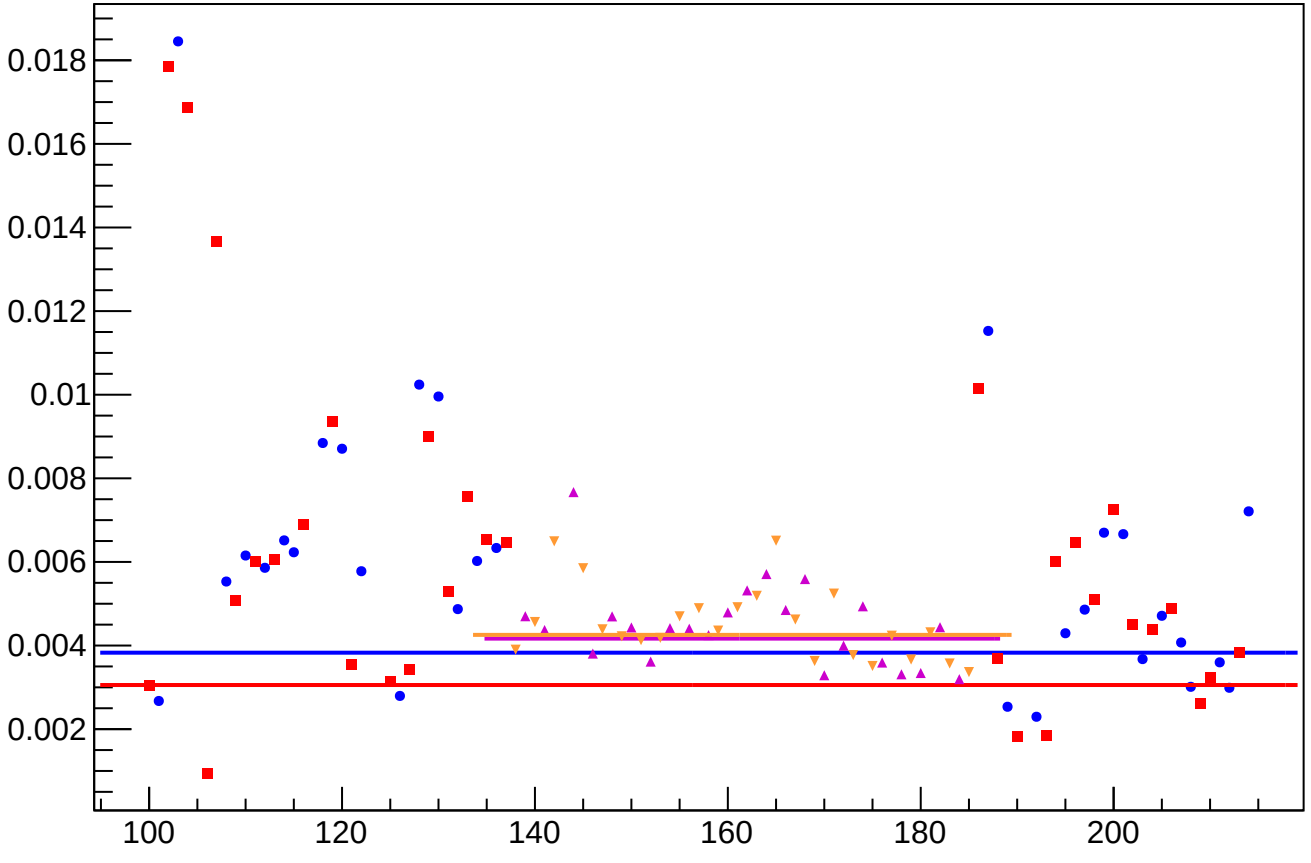
Right: 0.000+/-0.000 χ^2/NDF: 97.6/61

In: -0.000+/-0.000 χ^2/NDF:67.9/52

Out: -0.000+/-0.000 χ^2/NDF:90.9/55

All: -0.000+/-0.000 χ^2/NDF: 159.1/108

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

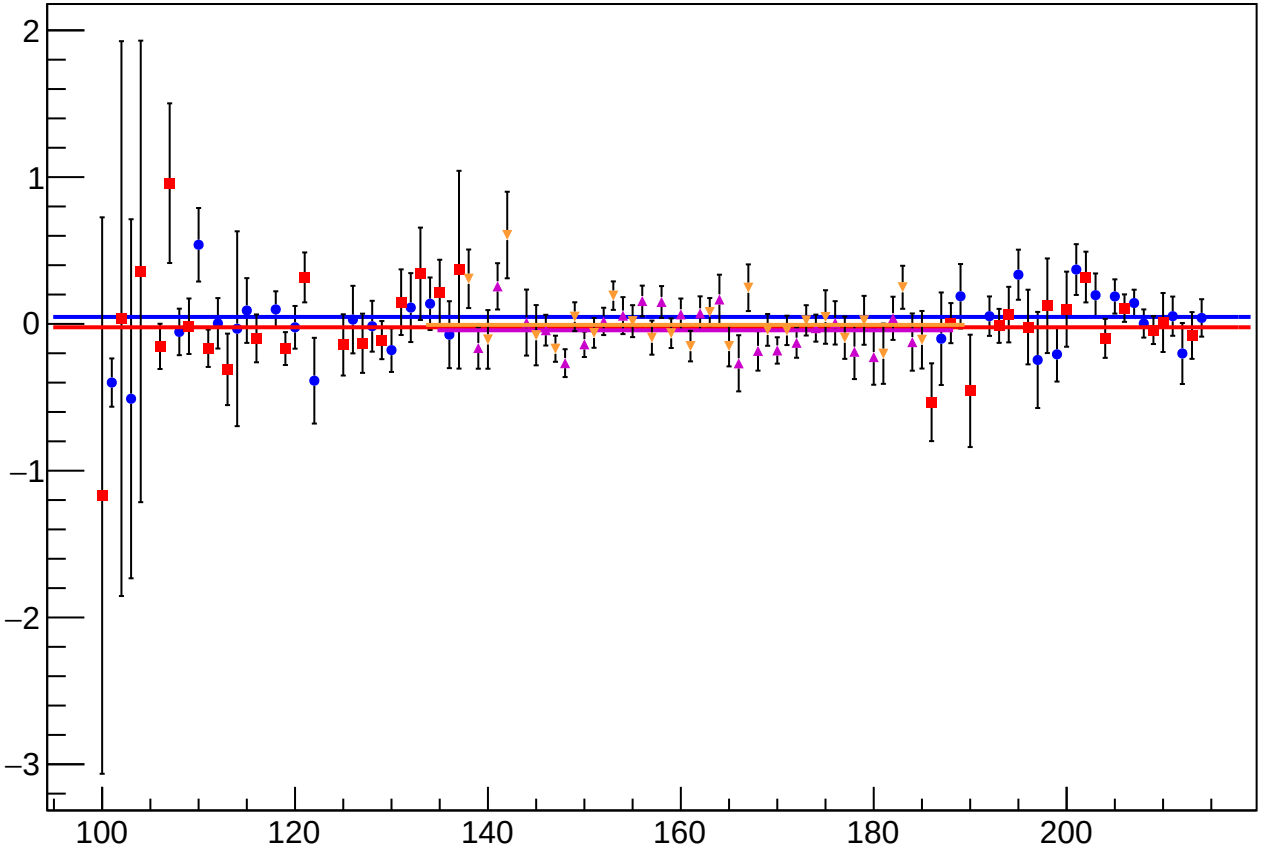
Right: 0.003+/-0.000 χ^2/NDF: 16875100.4/61

In: 0.004+/-0.000 χ^2/NDF:7190248.8/52

Out: 0.004+/-0.000 χ^2/NDF:12835088.7/55

All: 0.004+/-0.000 χ^2/NDF: 20410656.6/108

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

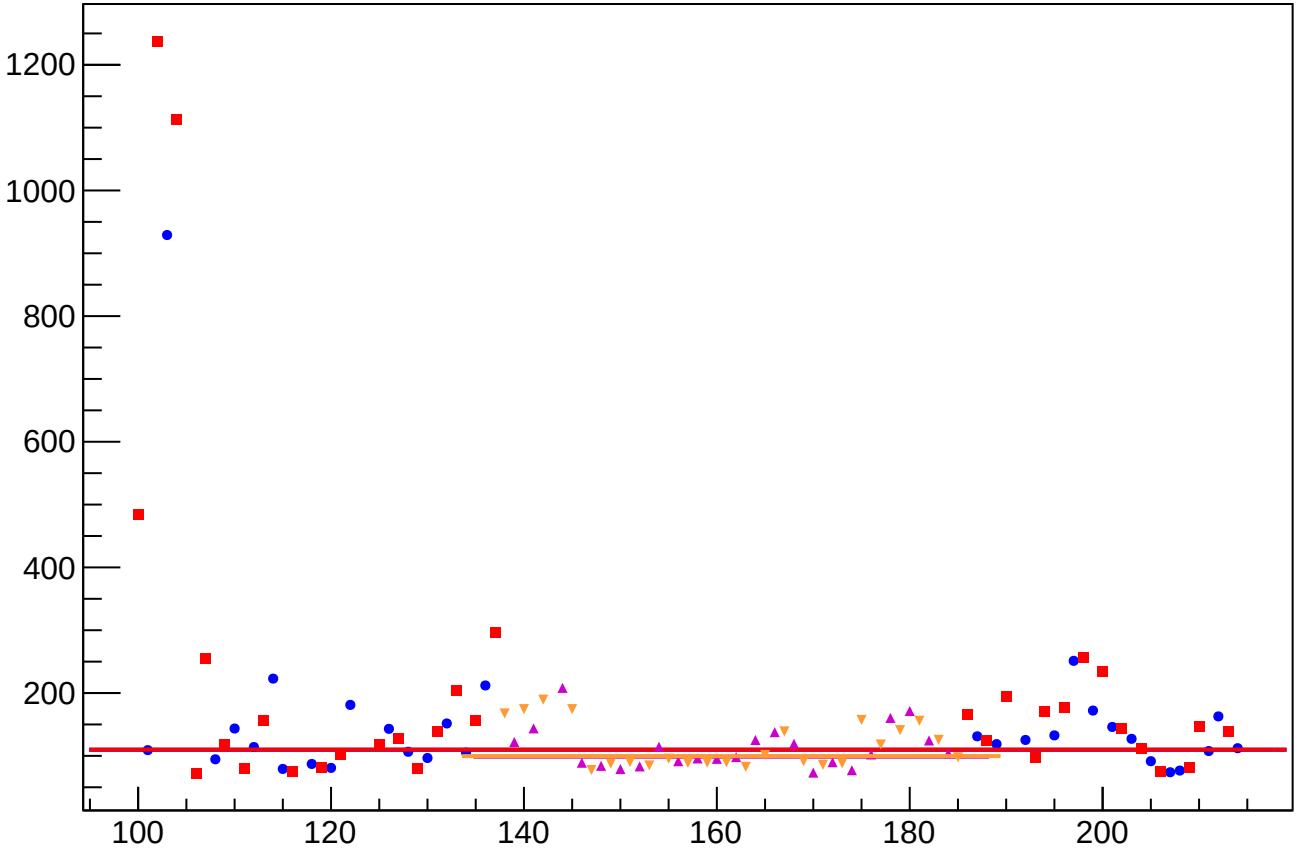
Right: 0.013+/-0.021 χ^2/NDF: 64.7/61

In: -0.006+/-0.019 χ^2/NDF:68.2/52

Out: -0.013+/-0.020 χ^2/NDF:57.4/55

All: -0.010+/-0.014 χ^2/NDF: 125.6/108

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

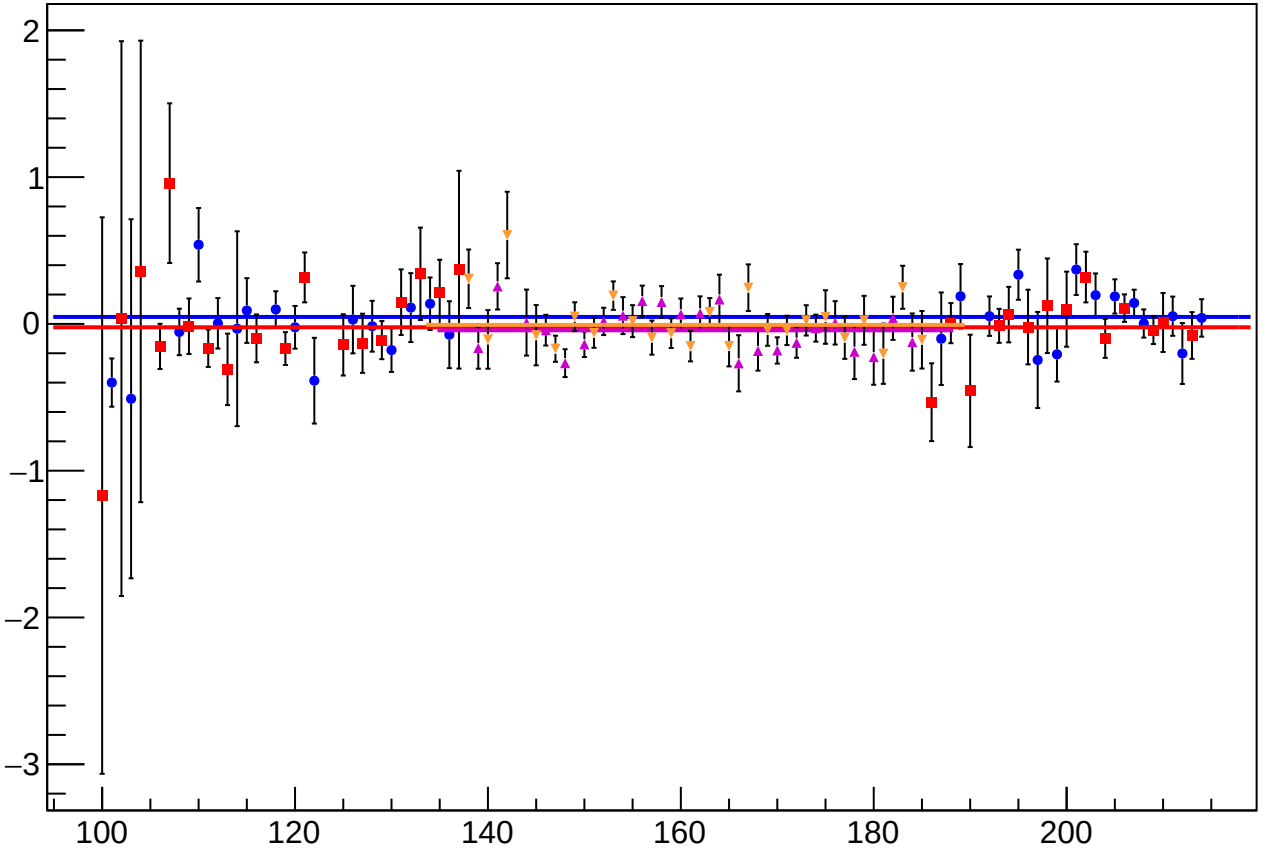
Right: 109.838+/-0.015 χ^2/NDF: 8354057.6/61

In: 103.220+/-0.014 χ^2/NDF:5523221.8/52

Out: 103.810+/-0.014 χ^2/NDF:7201623.5/55

All: 103.510+/-0.010 χ^2/NDF: 12725773.6/10

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

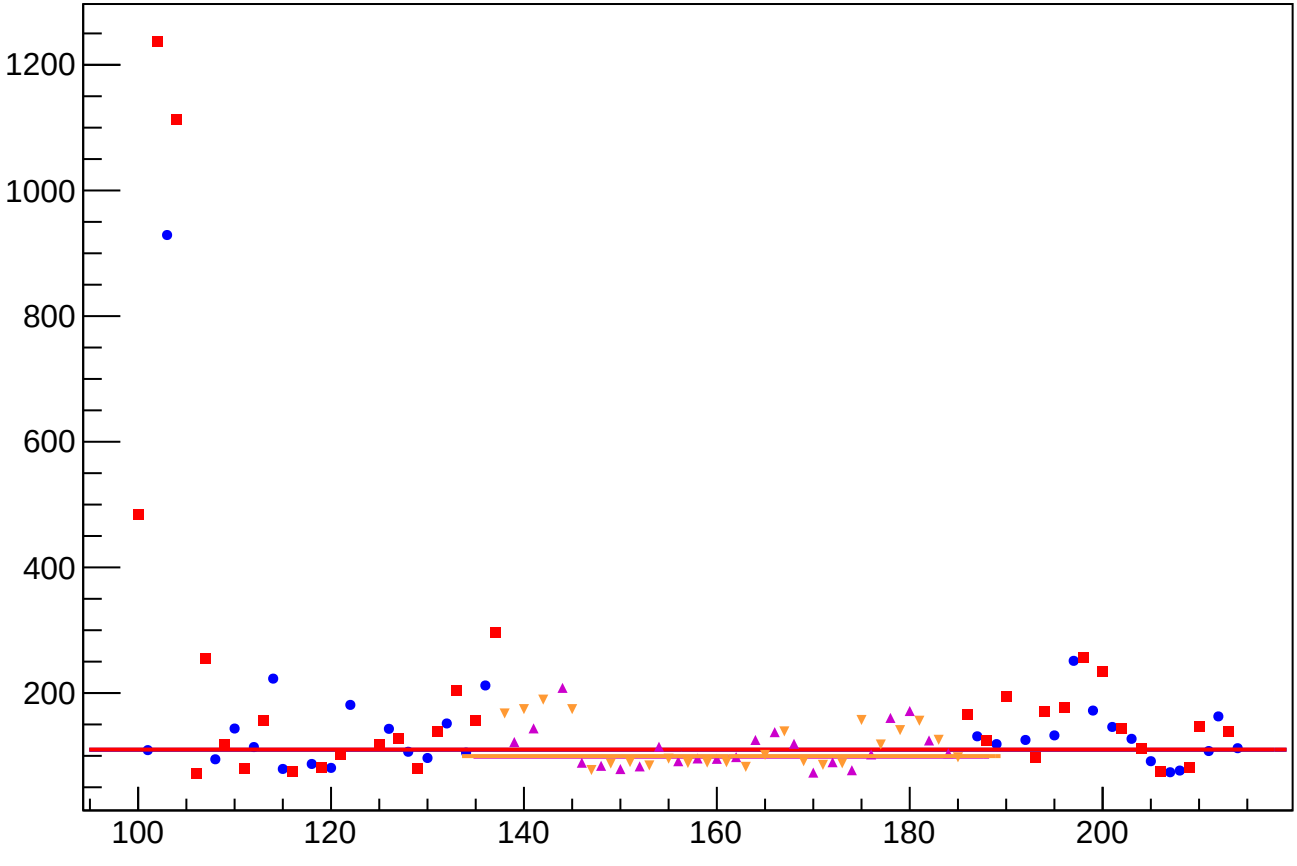
Right: 0.013+/-0.021 χ^2/NDF: 64.7/61

In: -0.006+/-0.019 χ^2/NDF:68.2/52

Out: -0.013+/-0.020 χ^2/NDF:57.4/55

All: -0.010+/-0.014 χ^2/NDF: 125.6/108

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

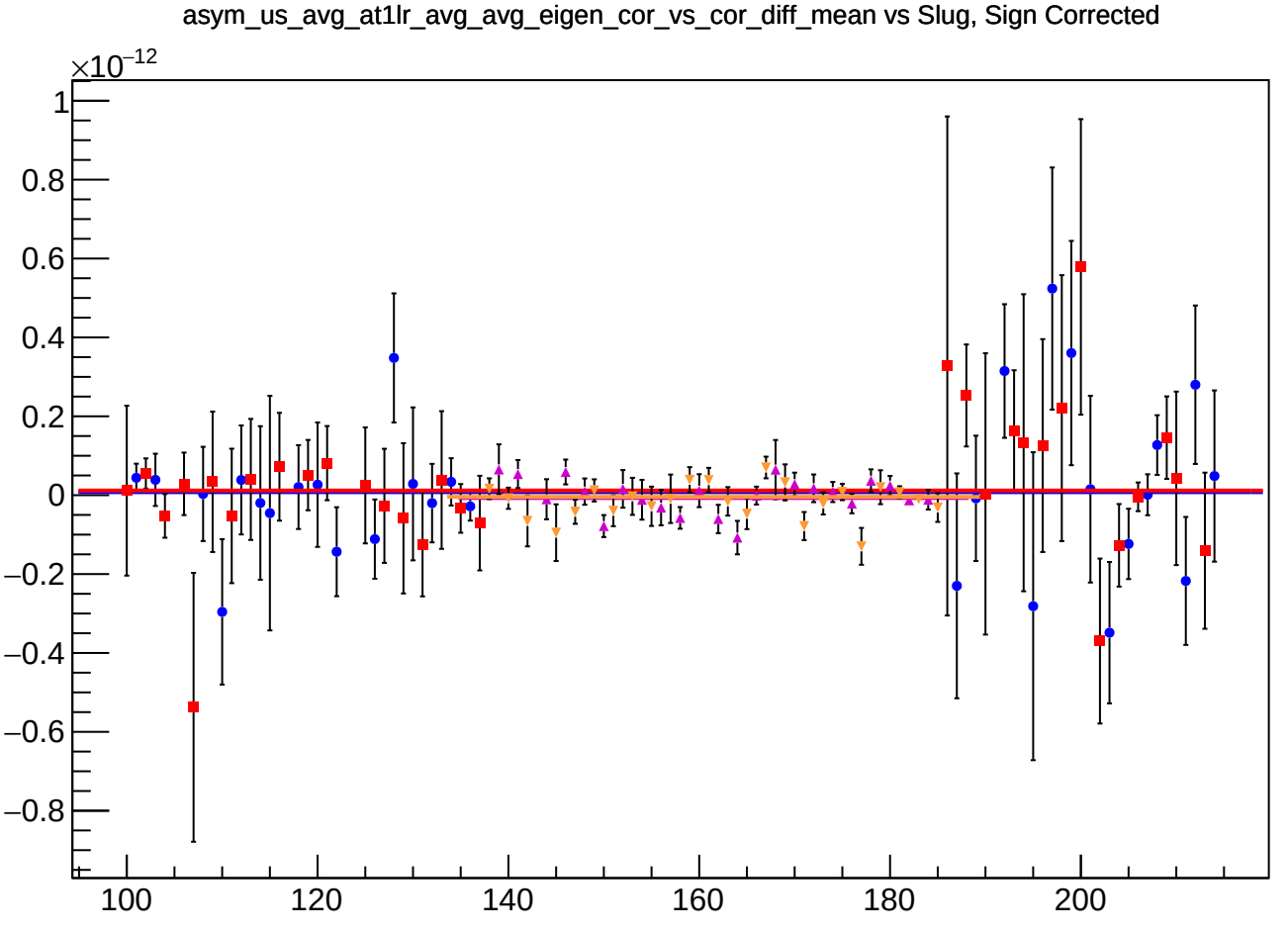
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

Right: 109.838+/-0.015 χ^2/NDF: 8354057.6/61

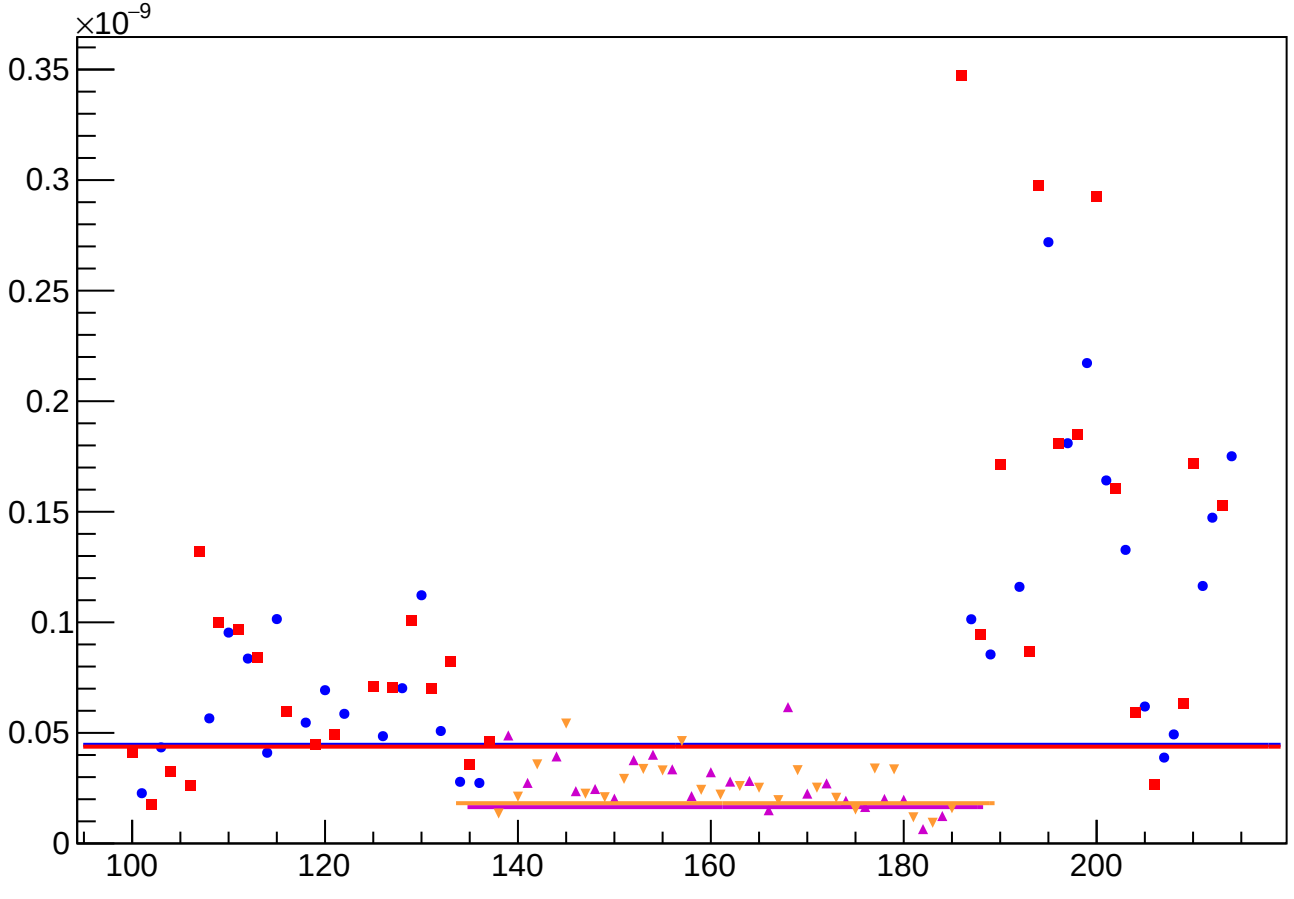
In: 103.220+/-0.014 χ^2/NDF:5523221.8/52

Out: 103.810+/-0.014 χ^2/NDF:7201623.5/55

All: 103.510+/-0.010 χ^2/NDF: 12725773.6/10


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
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: 34.2/29
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 23.9/31
Left In: -0.000+/-0.000 χ²/NDF:35.2/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/46
Right: 0.000+/-0.000 χ²/NDF: 58.2/61
In: -0.000+/-0.000 χ²/NDF:70.2/52
Out: -0.000+/-0.000 χ²/NDF:57.6/55
All: -0.000+/-0.000 χ²/NDF: 127.9/108

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

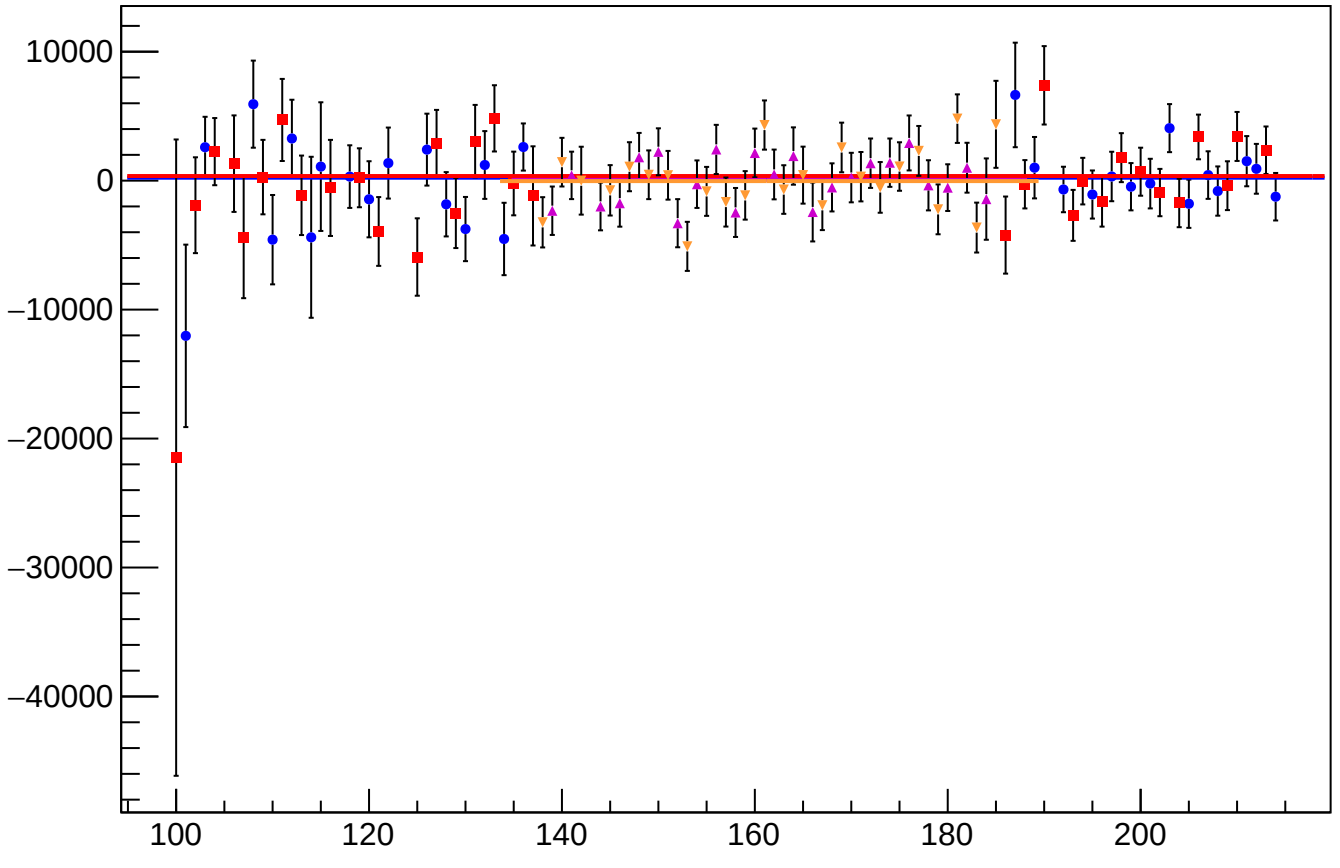
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

Right: 0.000+/-0.000 χ^2/NDF: 15924951.2/61

In: 0.000+/-0.000 χ^2/NDF:19520066.7/52

Out: 0.000+/-0.000 χ^2/NDF:16825165.3/55

All: 0.000+/-0.000 χ^2/NDF: 36435954.1/108



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

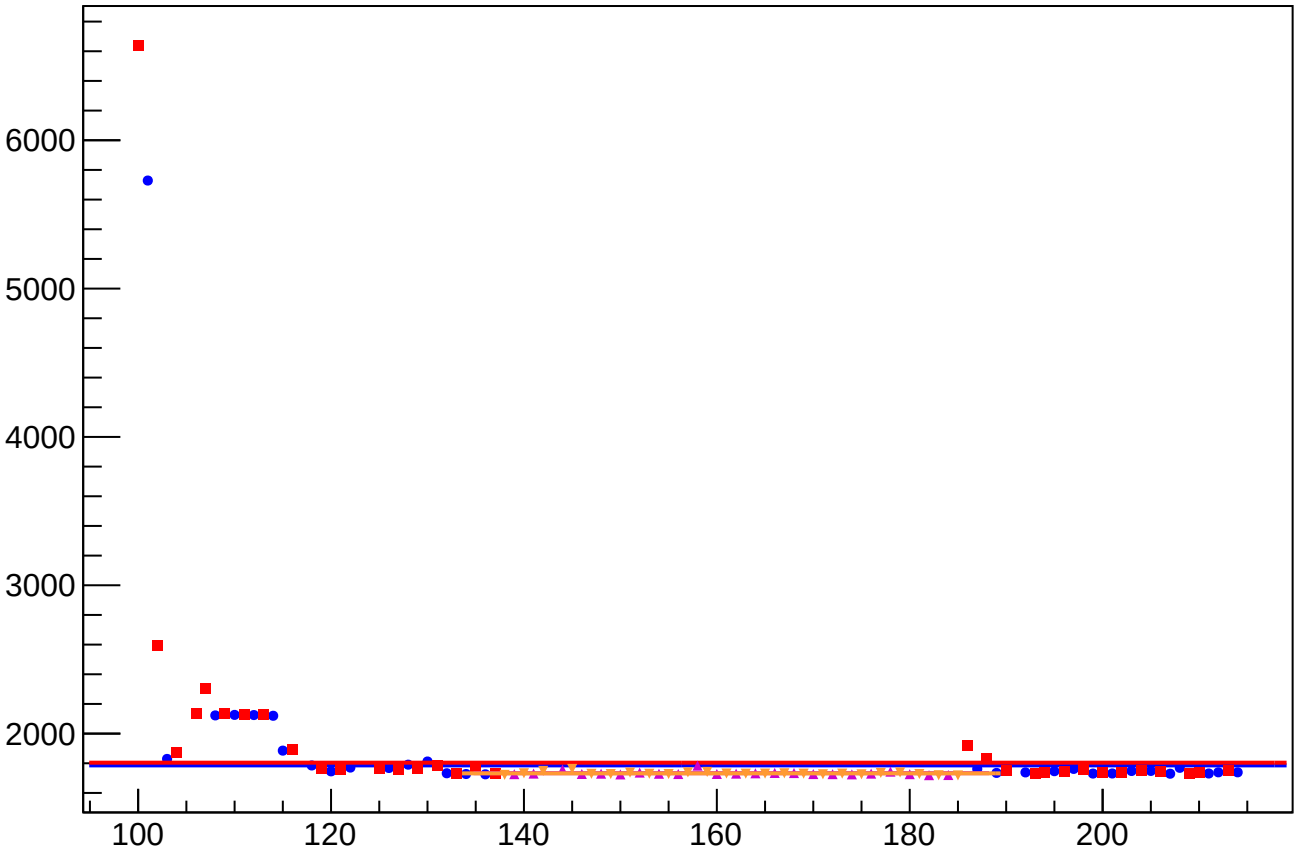
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 293.891+/-297.790 χ^2/NDF: 68.8/61

In: 137.904+/-291.786 χ^2/NDF:49.4/52

Out: 152.326+/-290.796 χ^2/NDF:74.6/55

All: 145.139+/-205.973 χ^2/NDF: 124.0/108



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

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

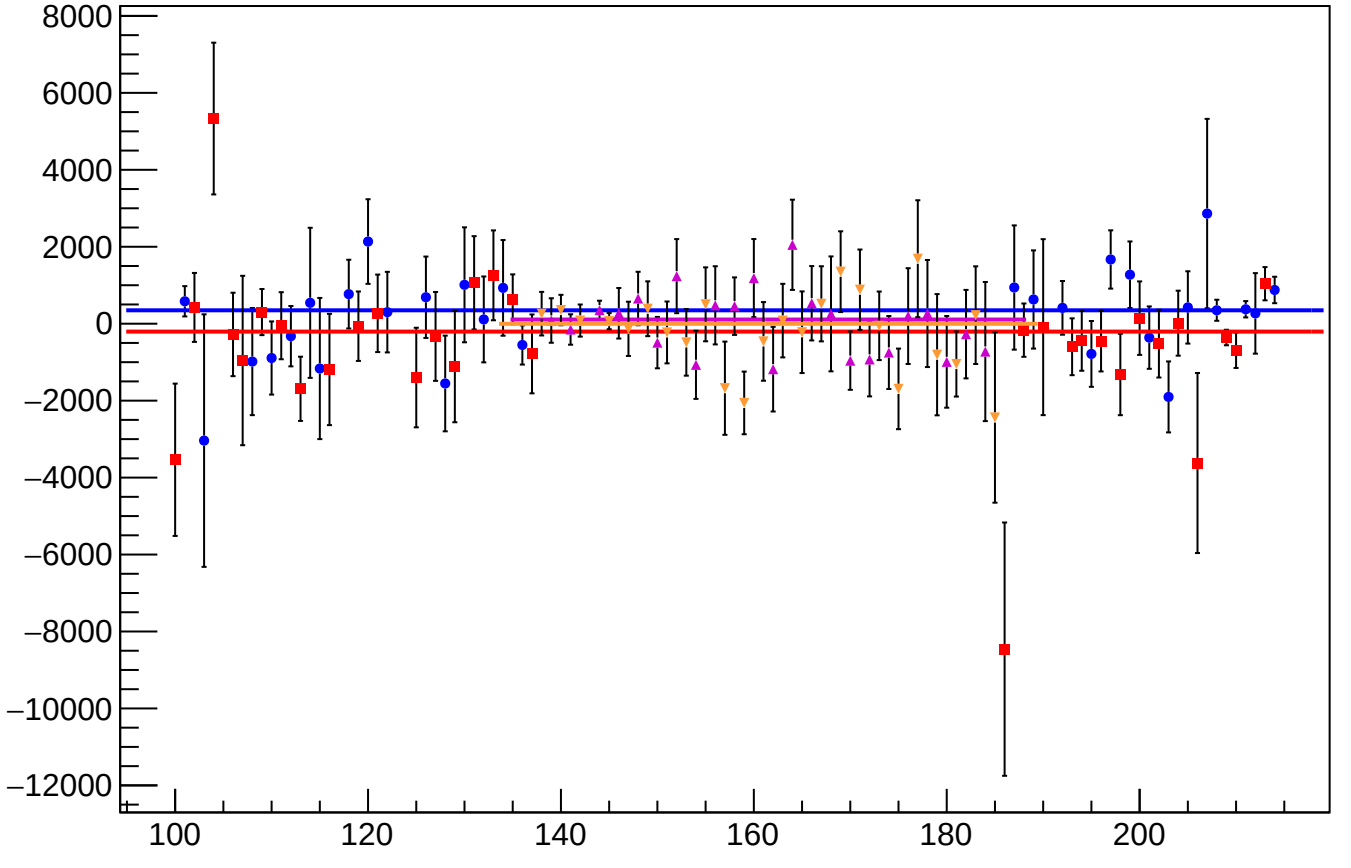
Right: 1794.871+/-0.211 χ^2/NDF: 1027069.3/61

In: 1758.491+/-0.206 χ^2/NDF:730787.8/52

Out: 1766.311+/-0.206 χ^2/NDF:344287.2/55

All: 1762.415+/-0.146 χ^2/NDF: 1075795.7/10

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



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

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

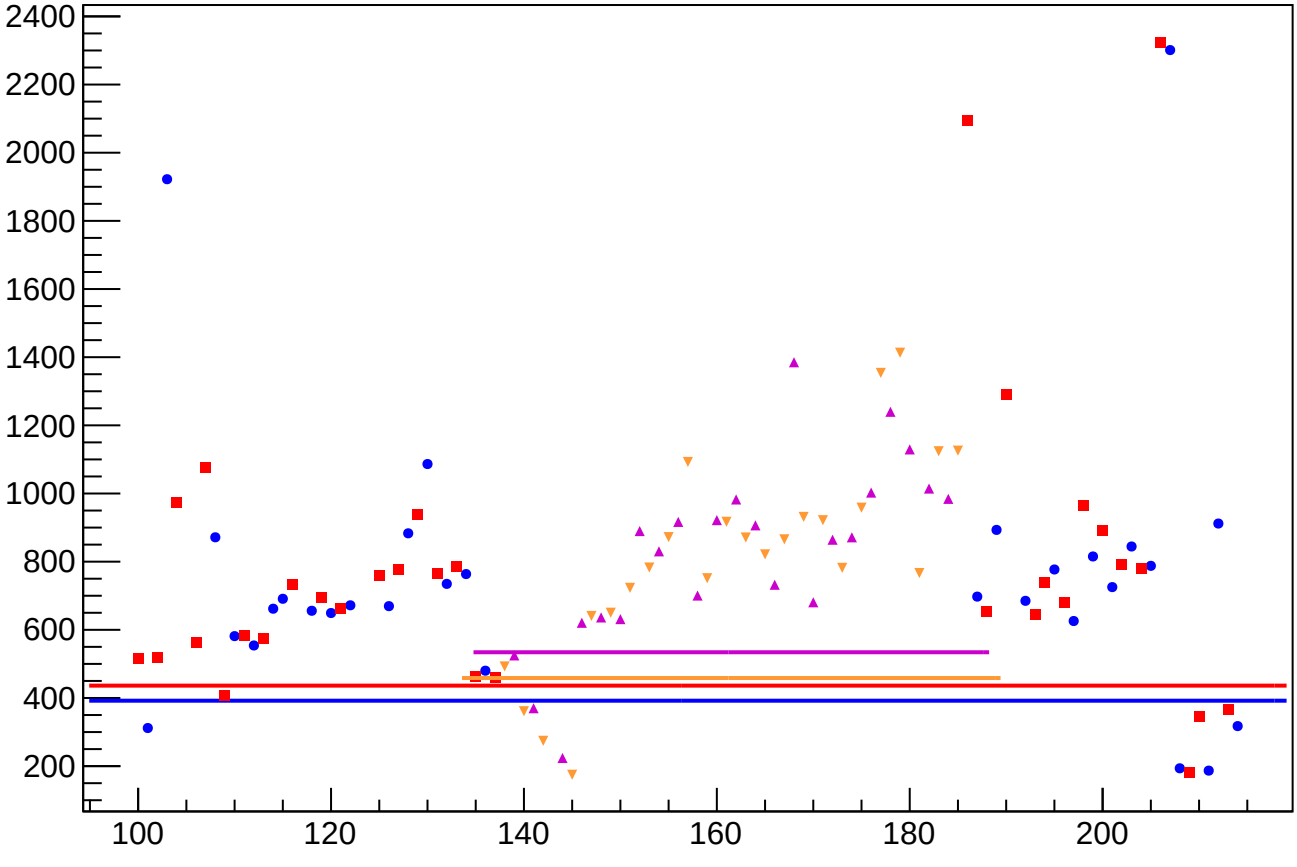
Right: 95.892+/-83.996 χ^2/NDF: 83.6/61

In: 255.418+/-89.171 χ^2/NDF:49.4/52

Out: -108.218+/-89.880 χ^2/NDF:63.8/55

All: 75.041+/-63.302 χ^2/NDF: 121.4/108

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



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

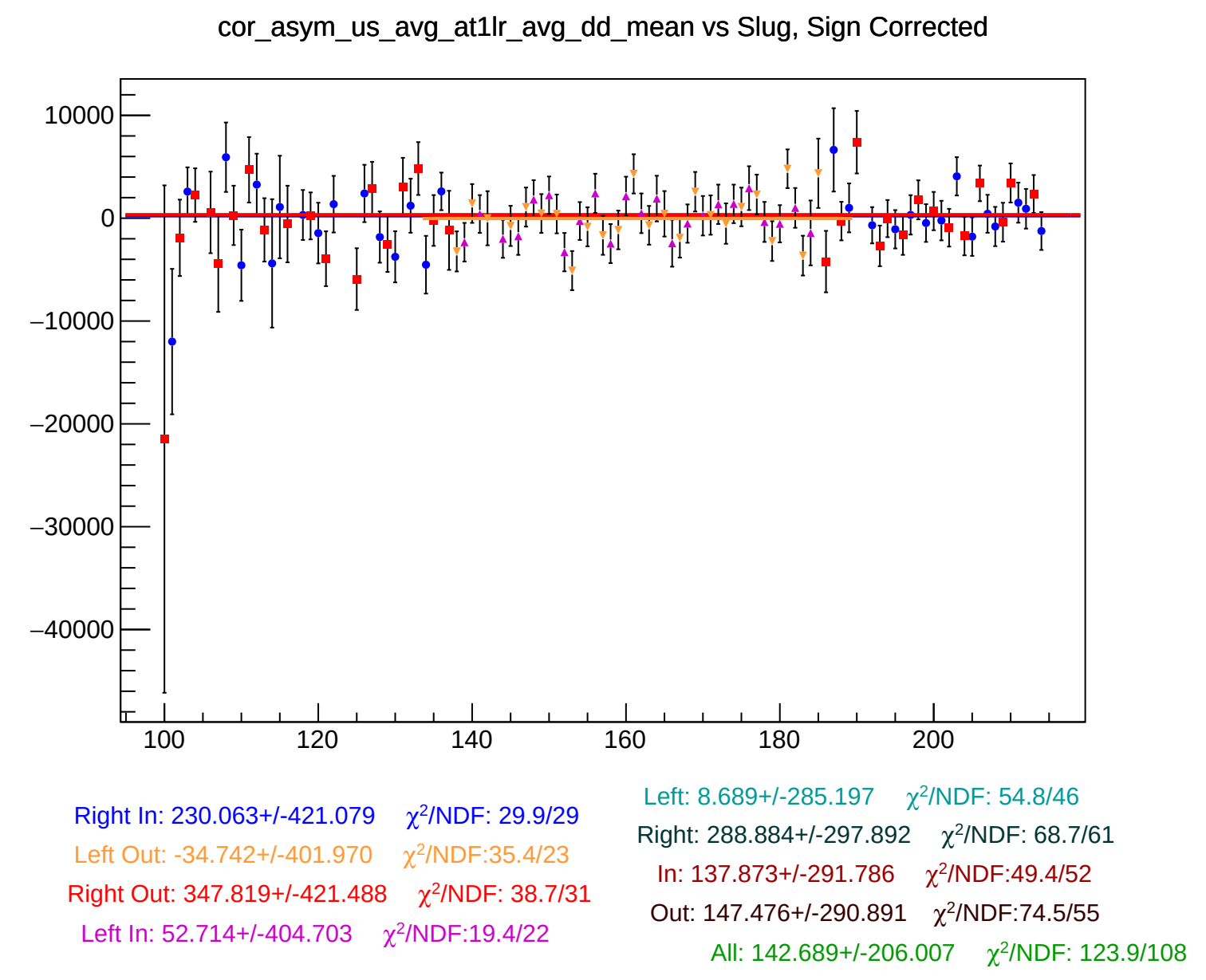
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

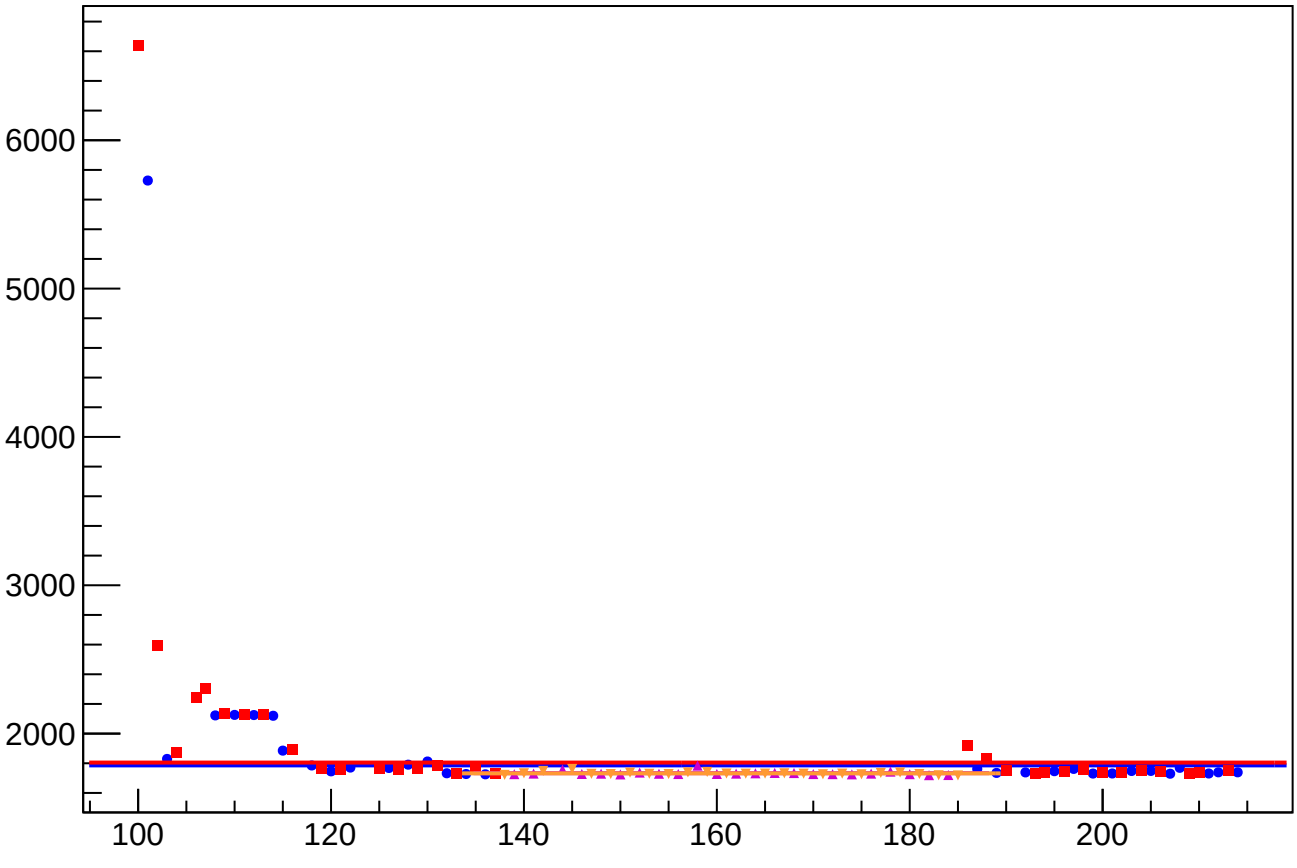
Right: 412.216+/-0.059 χ^2/NDF: 20123693.7/61

In: 447.061+/-0.063 χ^2/NDF:20088912.7/52

Out: 446.923+/-0.064 χ^2/NDF:21003396.9/55

All: 446.992+/-0.045 χ^2/NDF: 41092312.0/10


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 230.063+/-421.079 χ²/NDF: 29.9/29
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 347.819+/-421.488 χ²/NDF: 38.7/31
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 288.884+/-297.892 χ²/NDF: 68.7/61
In: 137.873+/-291.786 χ²/NDF:49.4/52
Out: 147.476+/-290.891 χ²/NDF:74.5/55
All: 142.689+/-206.007 χ²/NDF: 123.9/108



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

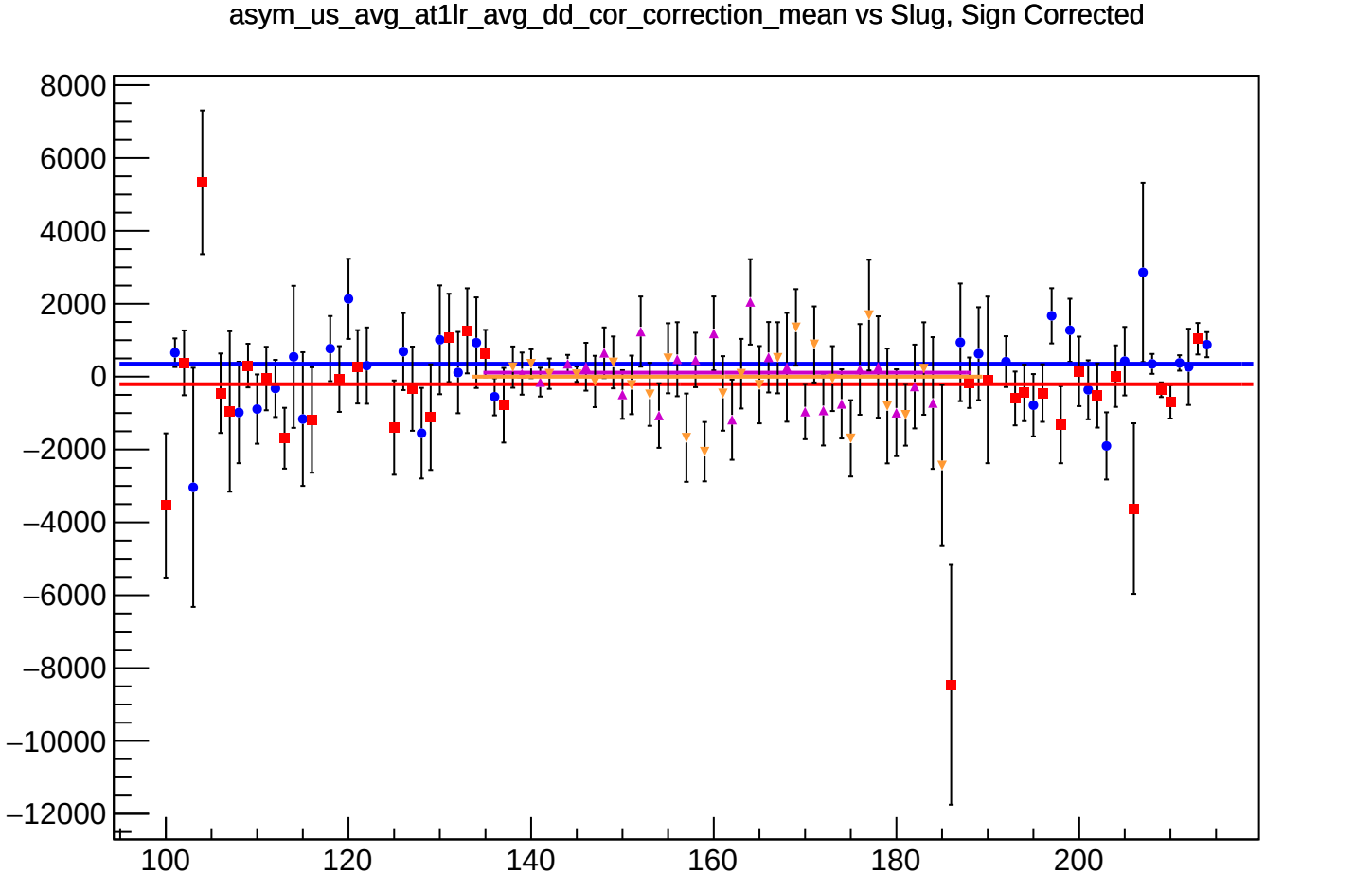
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1795.228+/-0.211 χ^2/NDF: 1035793.1/61

In: 1758.491+/-0.206 χ^2/NDF:730787.6/52

Out: 1766.634+/-0.206 χ^2/NDF:353459.3/55

All: 1762.575+/-0.146 χ^2/NDF: 1085027.9/10



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

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

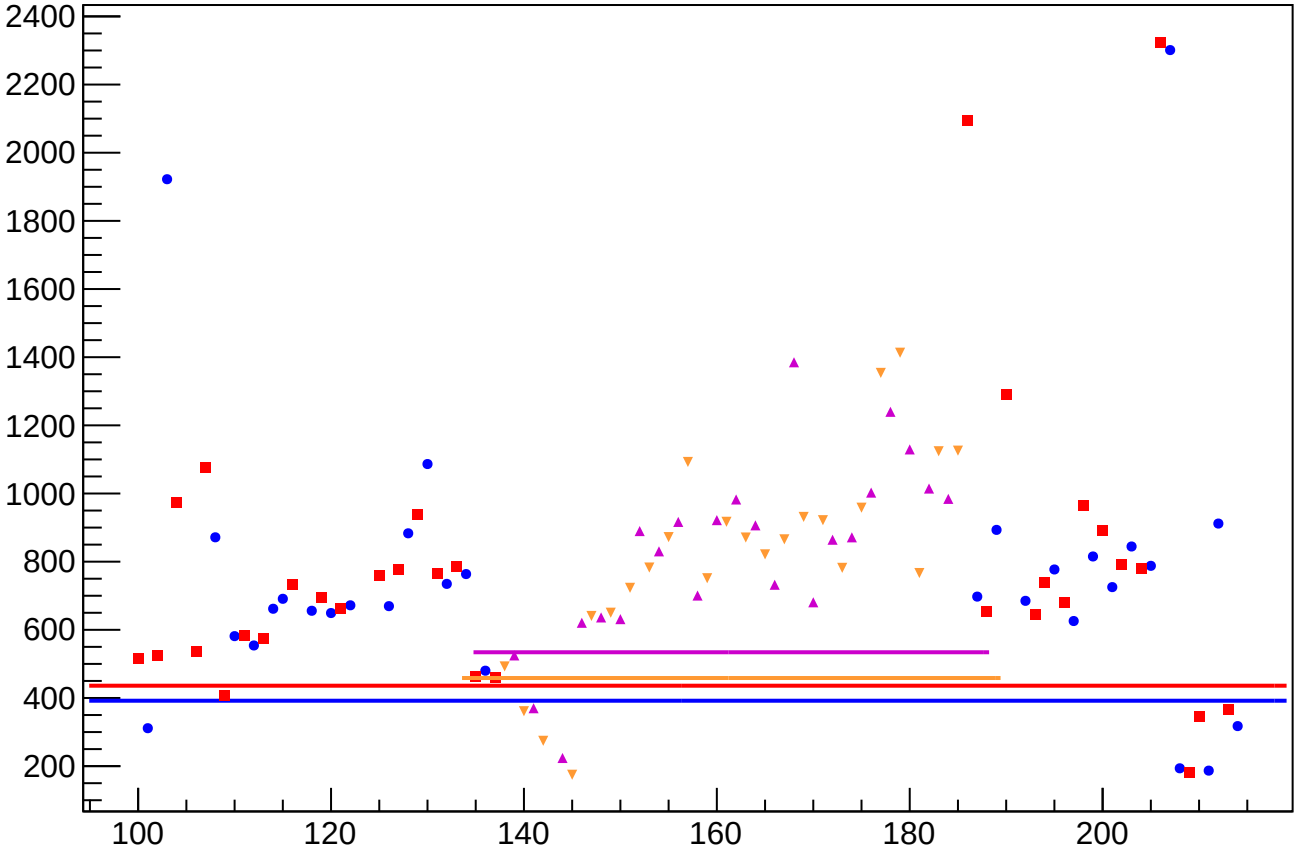
Right: 97.918+/-83.986 χ^2/NDF: 84.3/61

In: 259.266+/-89.163 χ^2/NDF:49.7/52

Out: -109.886+/-89.876 χ^2/NDF:63.8/55

All: 76.160+/-63.299 χ^2/NDF: 122.0/108

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



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

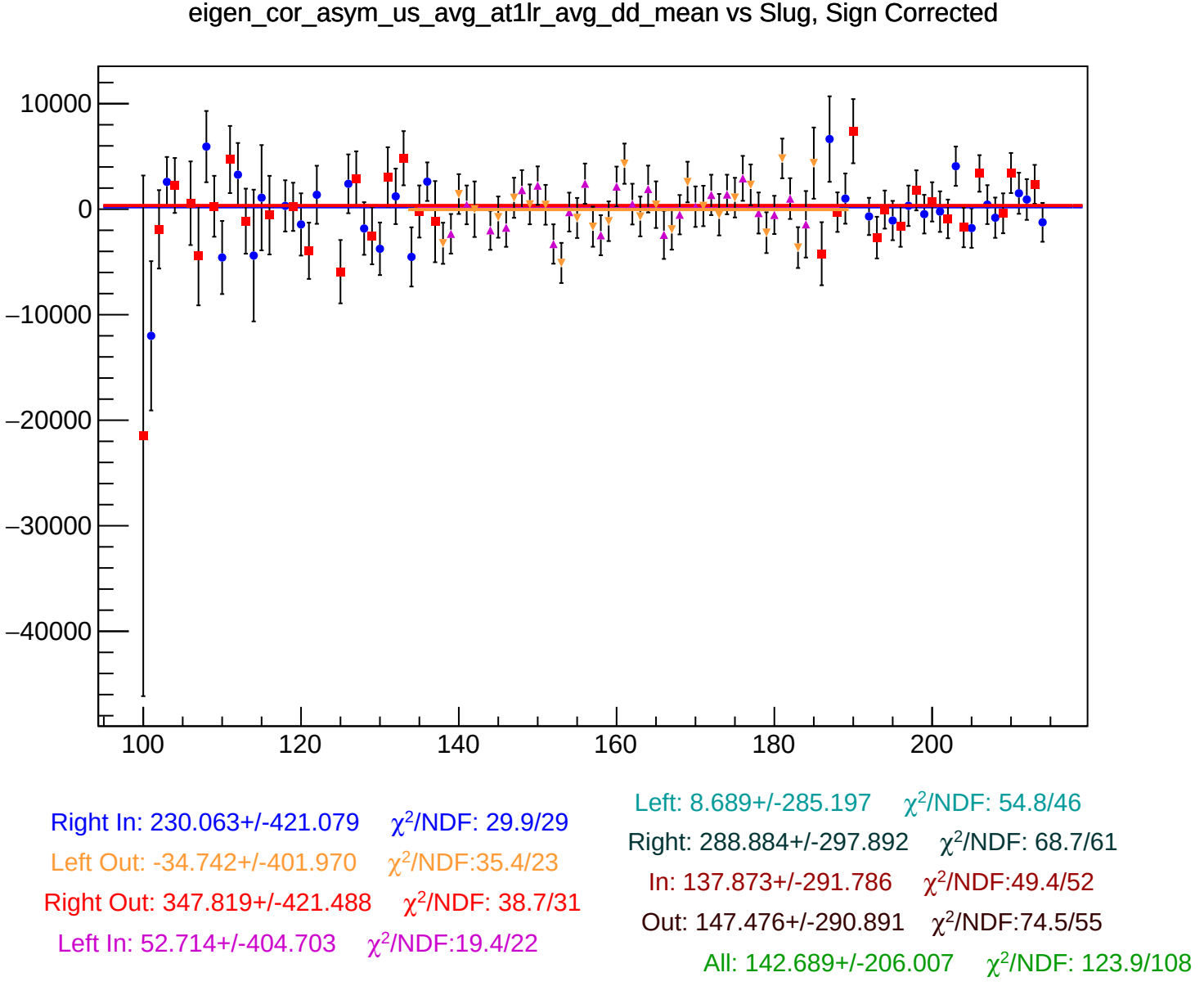
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

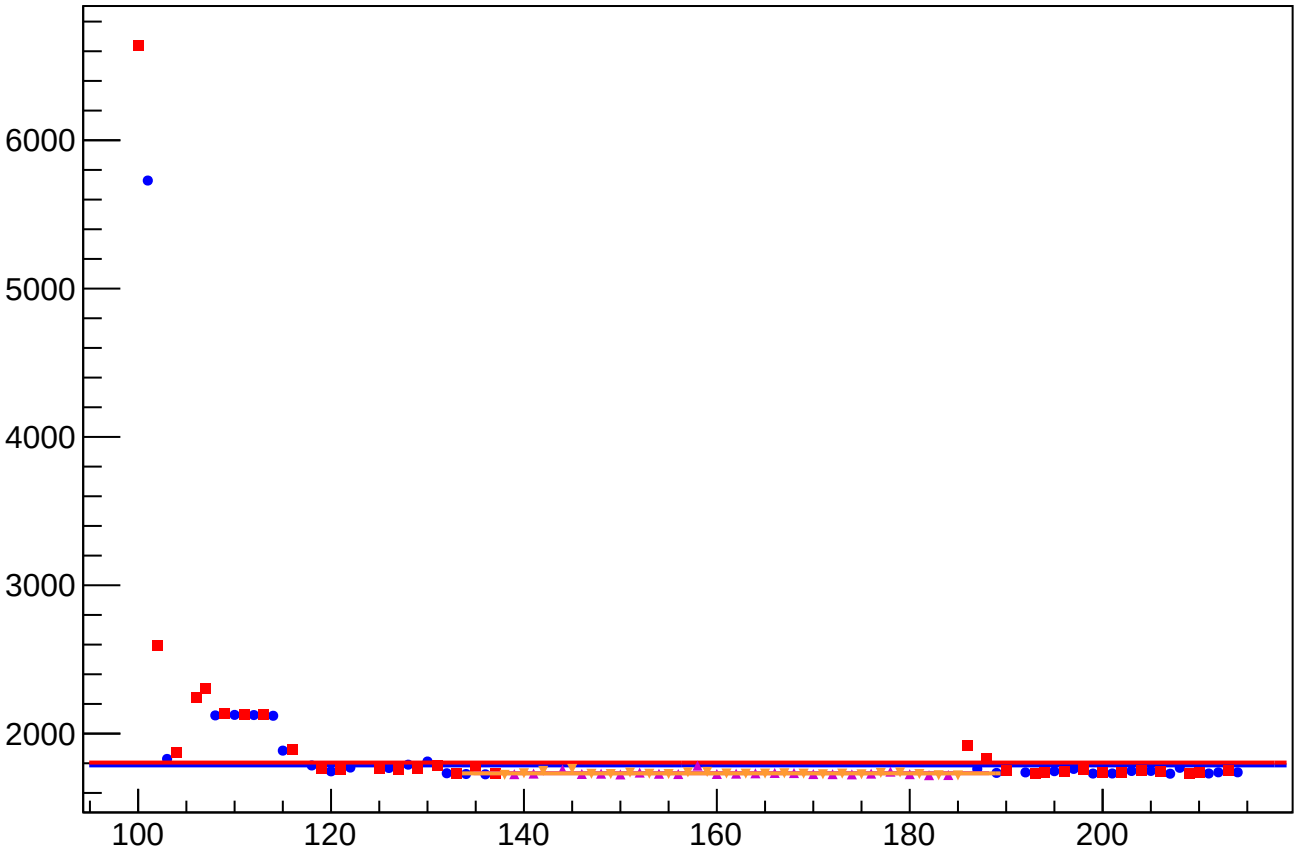
Right: 412.065+/-0.059 χ^2/NDF: 20118379.8/61

In: 447.005+/-0.063 χ^2/NDF:20092261.9/52

Out: 446.804+/-0.064 χ^2/NDF:20997065.3/55

All: 446.905+/-0.045 χ^2/NDF: 41089332.3/10


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 230.063+/-421.079 χ²/NDF: 29.9/29
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 347.819+/-421.488 χ²/NDF: 38.7/31
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 288.884+/-297.892 χ²/NDF: 68.7/61
In: 137.873+/-291.786 χ²/NDF:49.4/52
Out: 147.476+/-290.891 χ²/NDF:74.5/55
All: 142.689+/-206.007 χ²/NDF: 123.9/108



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

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

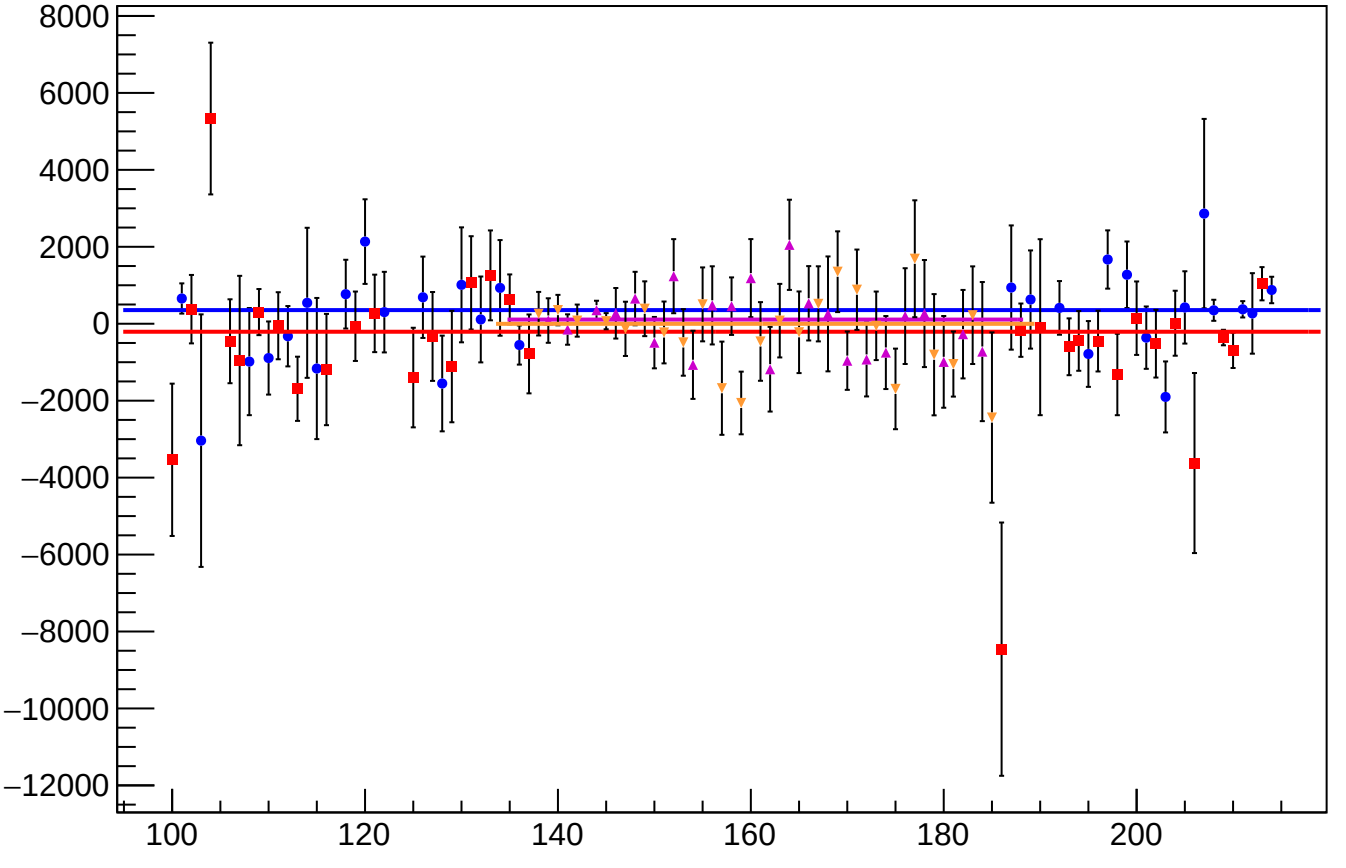
Right: 1795.228+/-0.211 χ^2/NDF: 1035793.1/61

In: 1758.491+/-0.206 χ^2/NDF:730787.6/52

Out: 1766.634+/-0.206 χ^2/NDF:353459.3/55

All: 1762.575+/-0.146 χ^2/NDF: 1085027.9/10

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

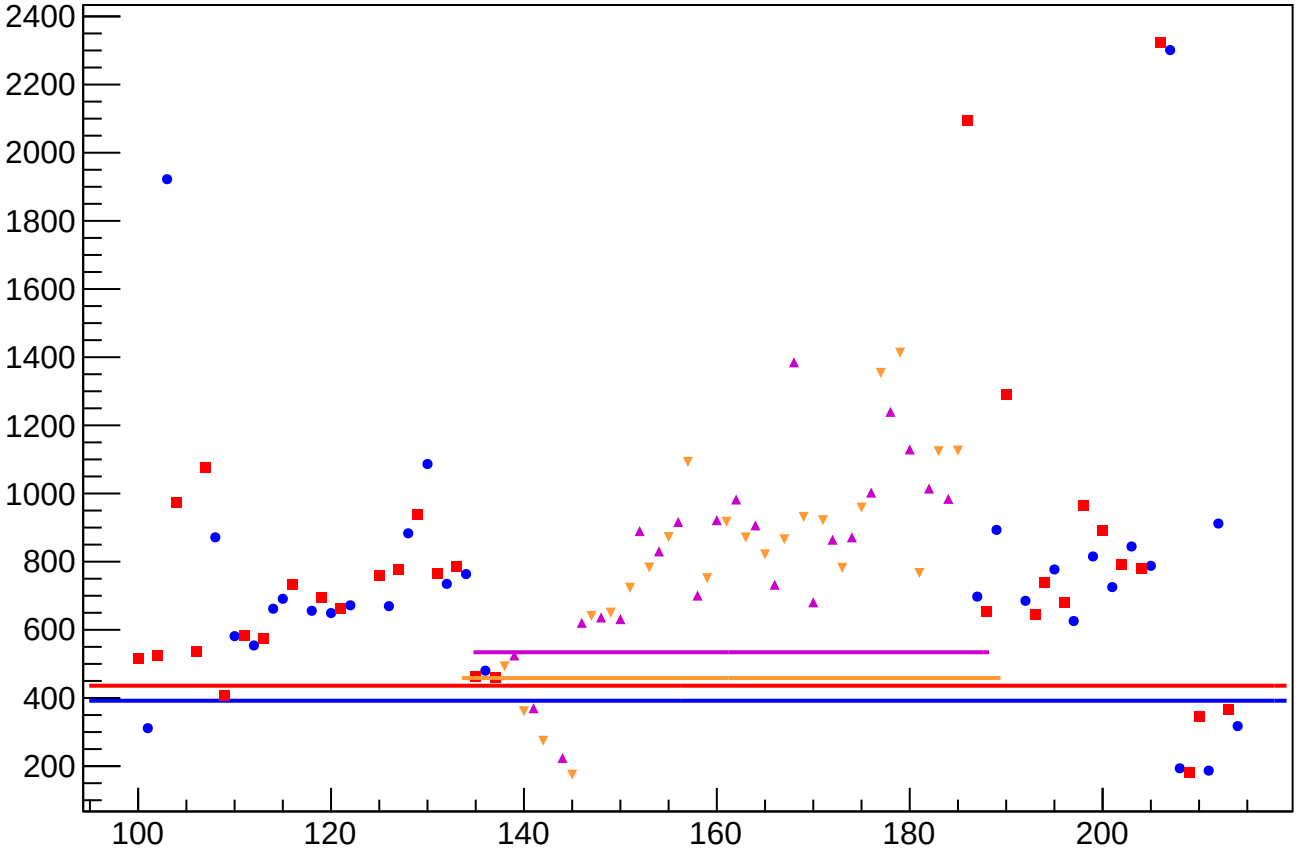
Right: 97.918+/-83.986 χ^2/NDF: 84.3/61

In: 259.266+/-89.163 χ^2/NDF:49.7/52

Out: -109.886+/-89.876 χ^2/NDF:63.8/55

All: 76.160+/-63.299 χ^2/NDF: 122.0/108

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

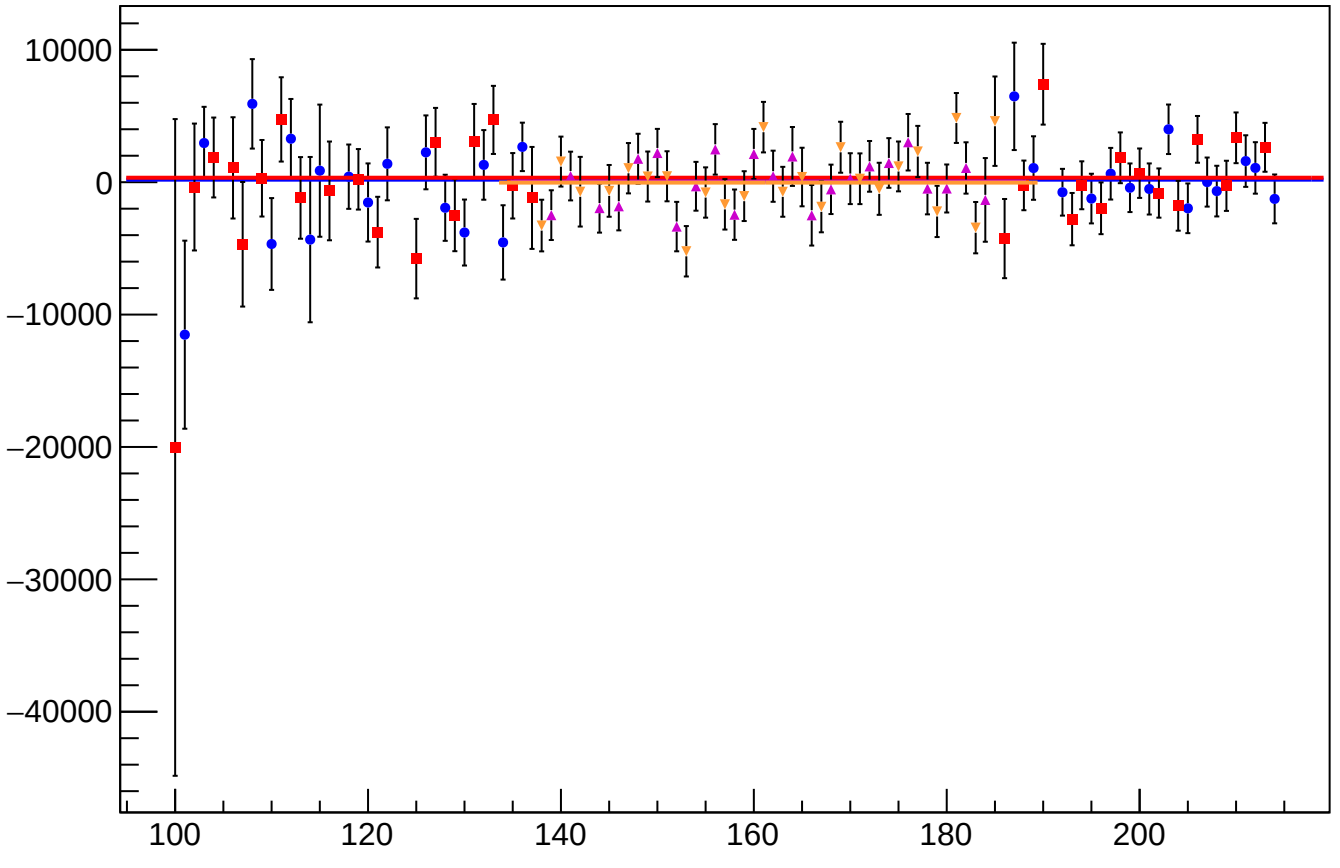
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 412.065+/-0.059 χ^2/NDF: 20118379.8/61

In: 447.005+/-0.063 χ^2/NDF:20092261.9/52

Out: 446.804+/-0.064 χ^2/NDF:20997065.3/55

All: 446.905+/-0.045 χ^2/NDF: 41089332.3/10



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

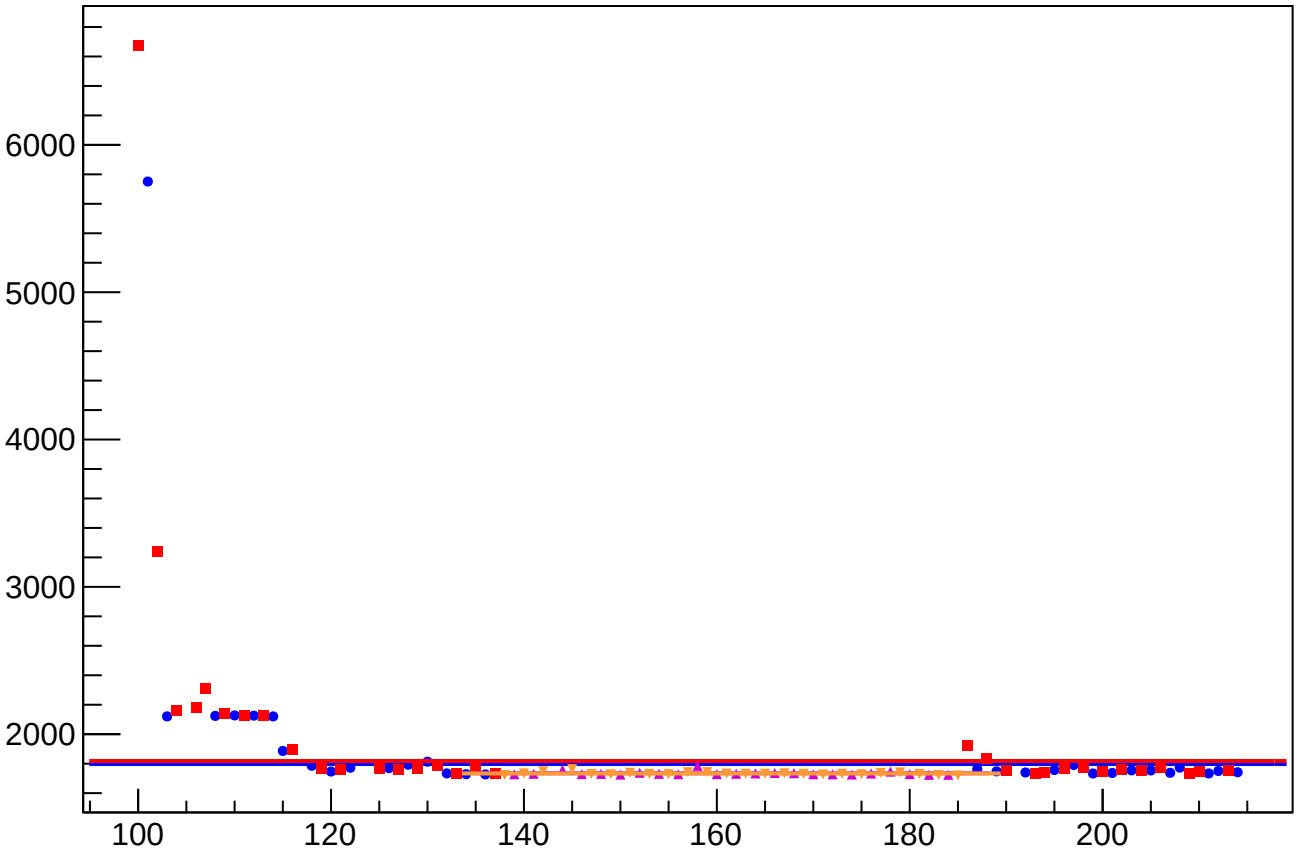
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 264.770+/-300.425 χ^2/NDF: 68.2/61

In: 113.788+/-292.918 χ^2/NDF:50.1/52

Out: 144.009+/-292.376 χ^2/NDF:73.8/55

All: 128.927+/-206.933 χ^2/NDF: 123.9/108



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

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

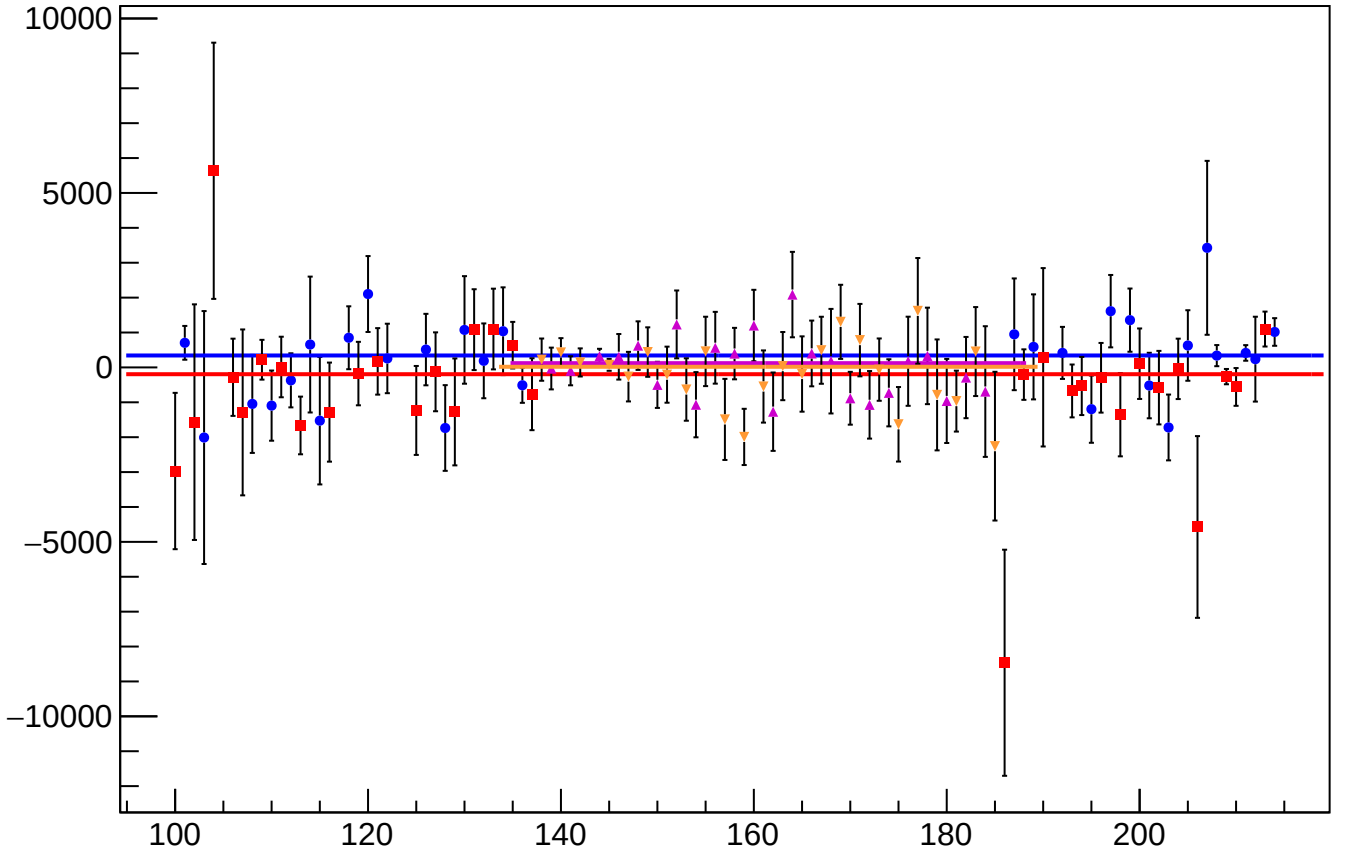
Right: 1807.956+/-0.212 χ^2/NDF: 1163454.0/61

In: 1764.888+/-0.207 χ^2/NDF:764130.3/52

Out: 1773.419+/-0.207 χ^2/NDF:465019.0/55

All: 1769.161+/-0.146 χ^2/NDF: 1229999.1/10

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



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

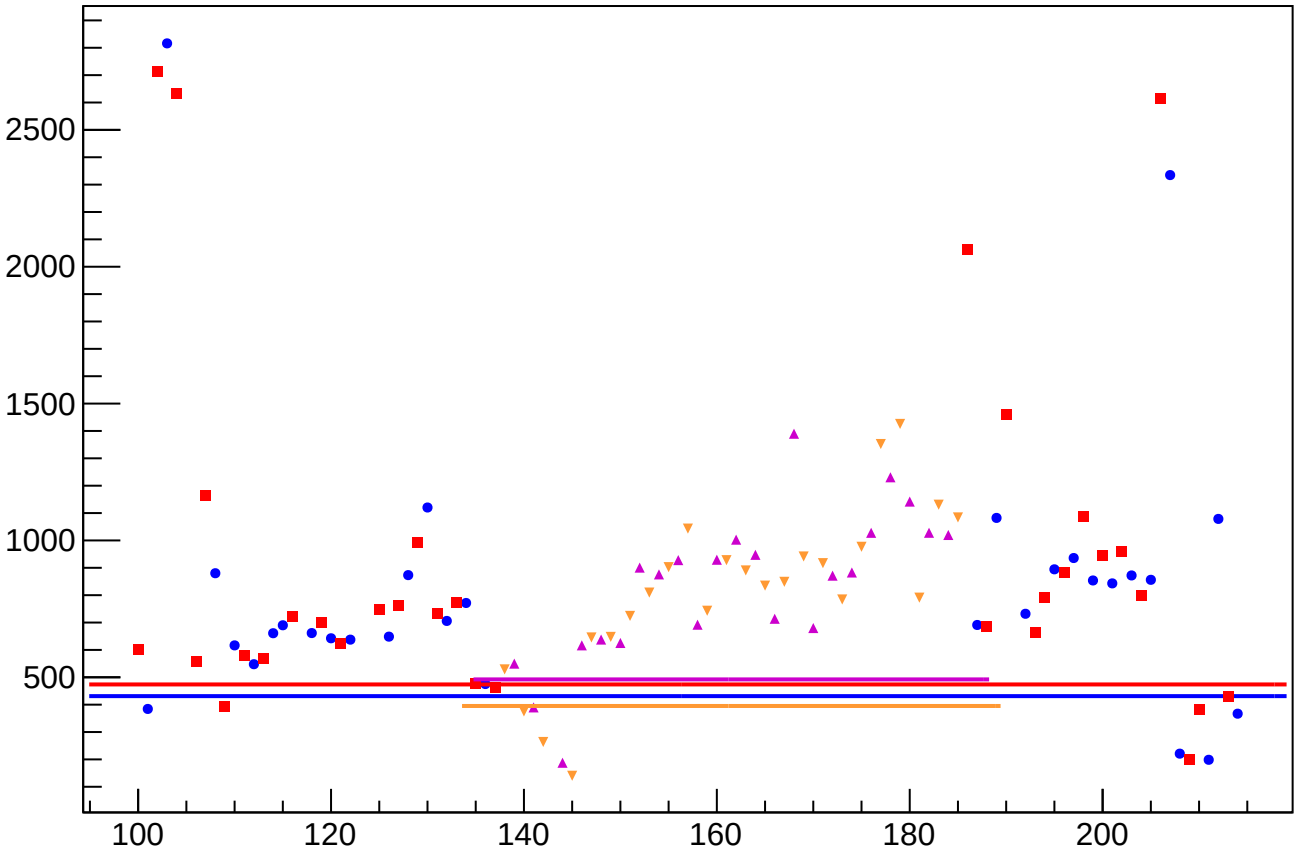
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: 97.270+/-90.919 χ^2/NDF: 72.4/61

In: 243.553+/-91.675 χ^2/NDF:48.8/52

Out: -75.587+/-89.310 χ^2/NDF:53.6/55

All: 79.814+/-63.971 χ^2/NDF: 108.7/108



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

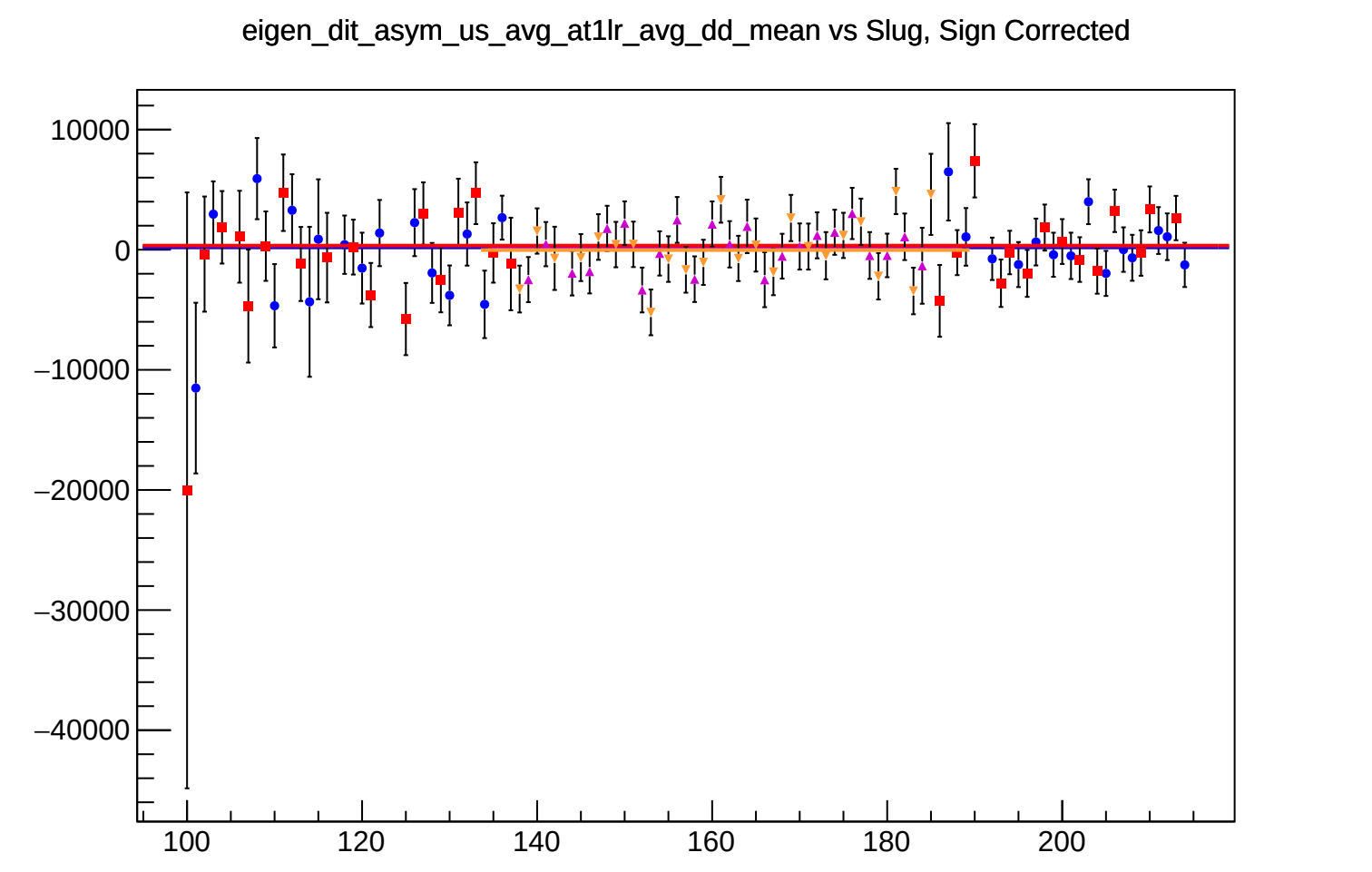
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 450.630+/-0.064 χ^2/NDF: 21609348.6/61

In: 458.479+/-0.065 χ^2/NDF:21455595.5/52

Out: 429.795+/-0.063 χ^2/NDF:25400432.3/55

All: 443.762+/-0.045 χ^2/NDF: 46956490.2/10



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

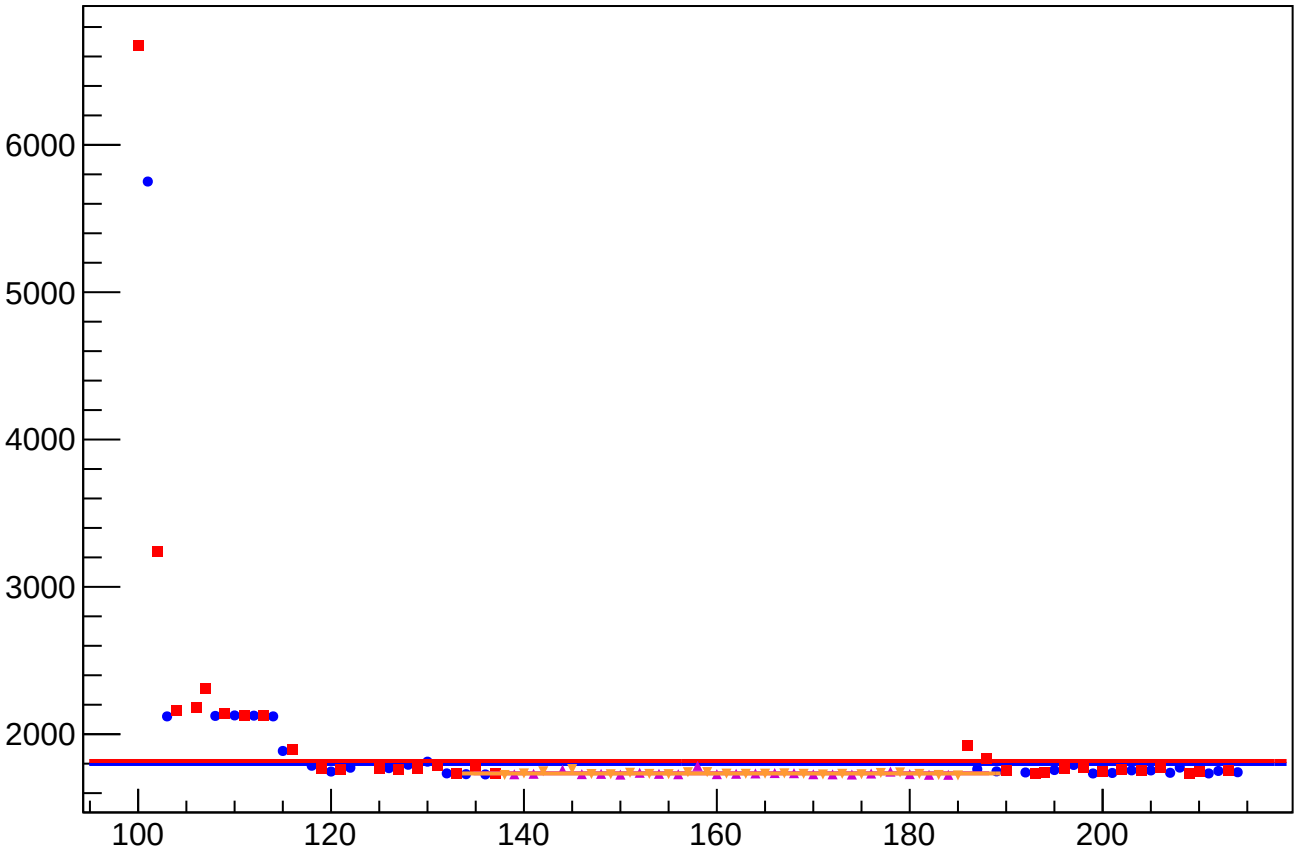
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 264.771+/-300.425 χ^2/NDF: 68.2/61

In: 113.789+/-292.918 χ^2/NDF:50.1/52

Out: 144.008+/-292.376 χ^2/NDF:73.8/55

All: 128.927+/-206.933 χ^2/NDF: 123.9/108



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

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

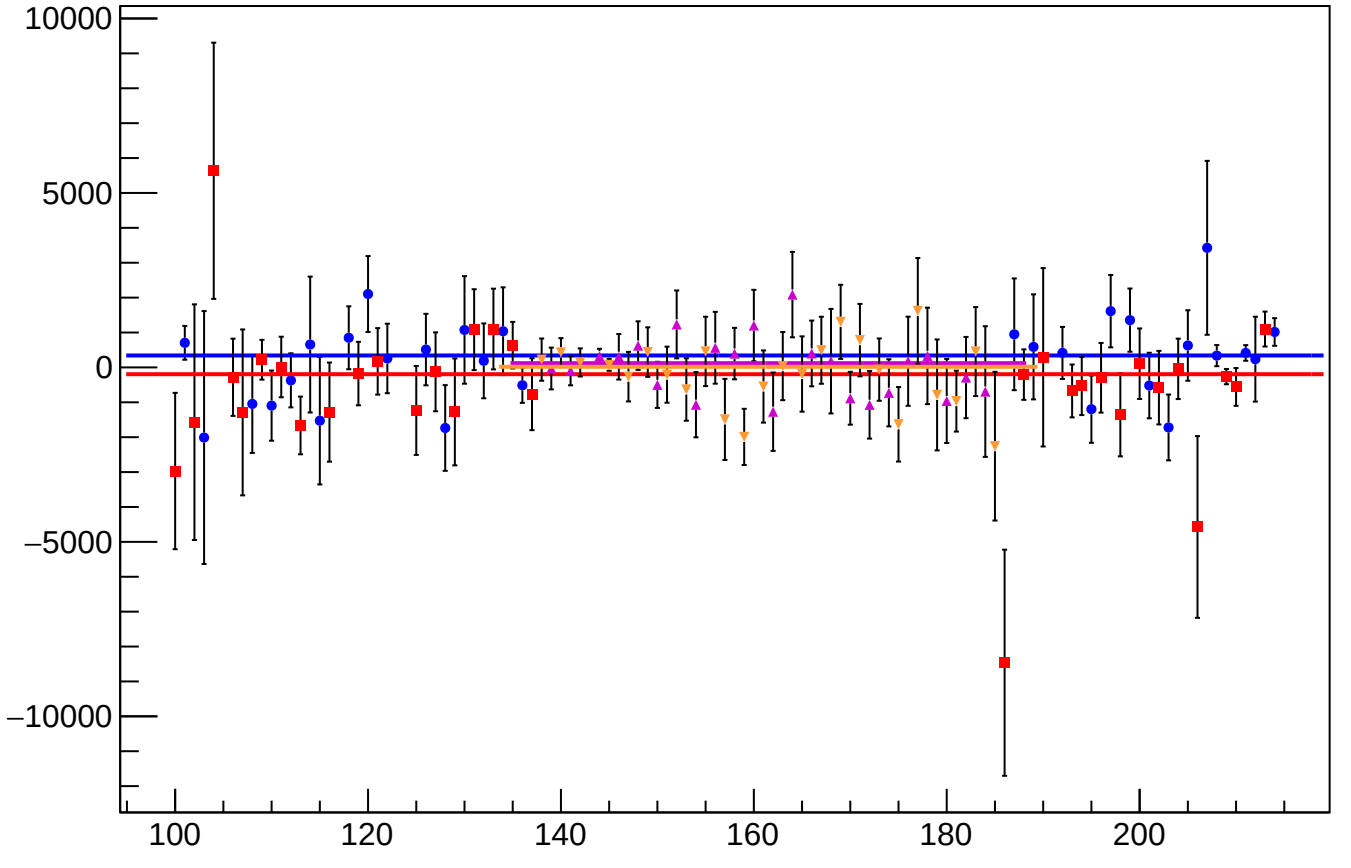
Right: 1807.956+/-0.212 χ^2/NDF: 1163452.6/61

In: 1764.888+/-0.207 χ^2/NDF:764129.9/52

Out: 1773.419+/-0.207 χ^2/NDF:465018.1/55

All: 1769.161+/-0.146 χ^2/NDF: 1229997.8/10

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

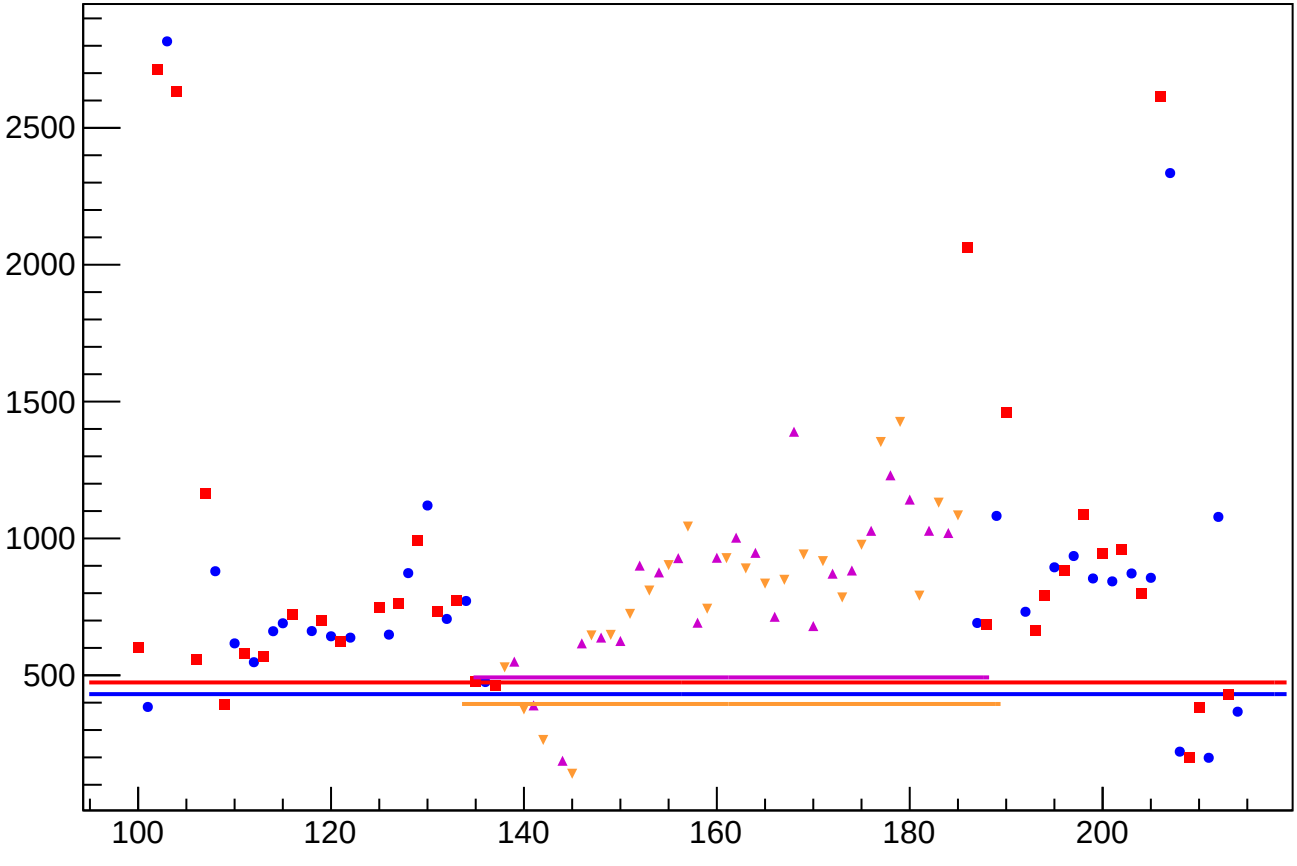
Right: 97.269+/-90.918 χ^2/NDF: 72.4/61

In: 243.553+/-91.675 χ^2/NDF:48.8/52

Out: -75.587+/-89.310 χ^2/NDF:53.6/55

All: 79.813+/-63.971 χ^2/NDF: 108.7/108

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

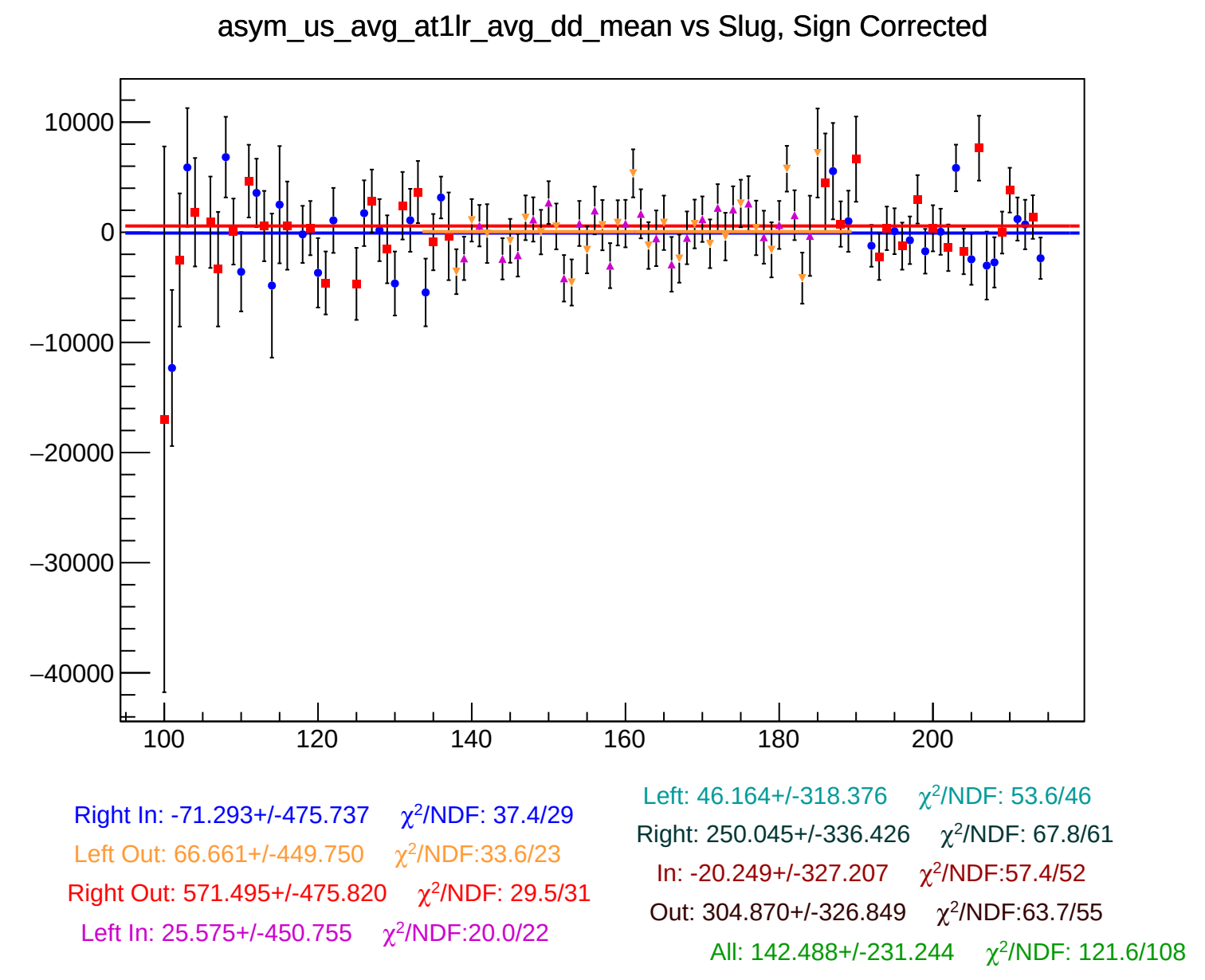
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

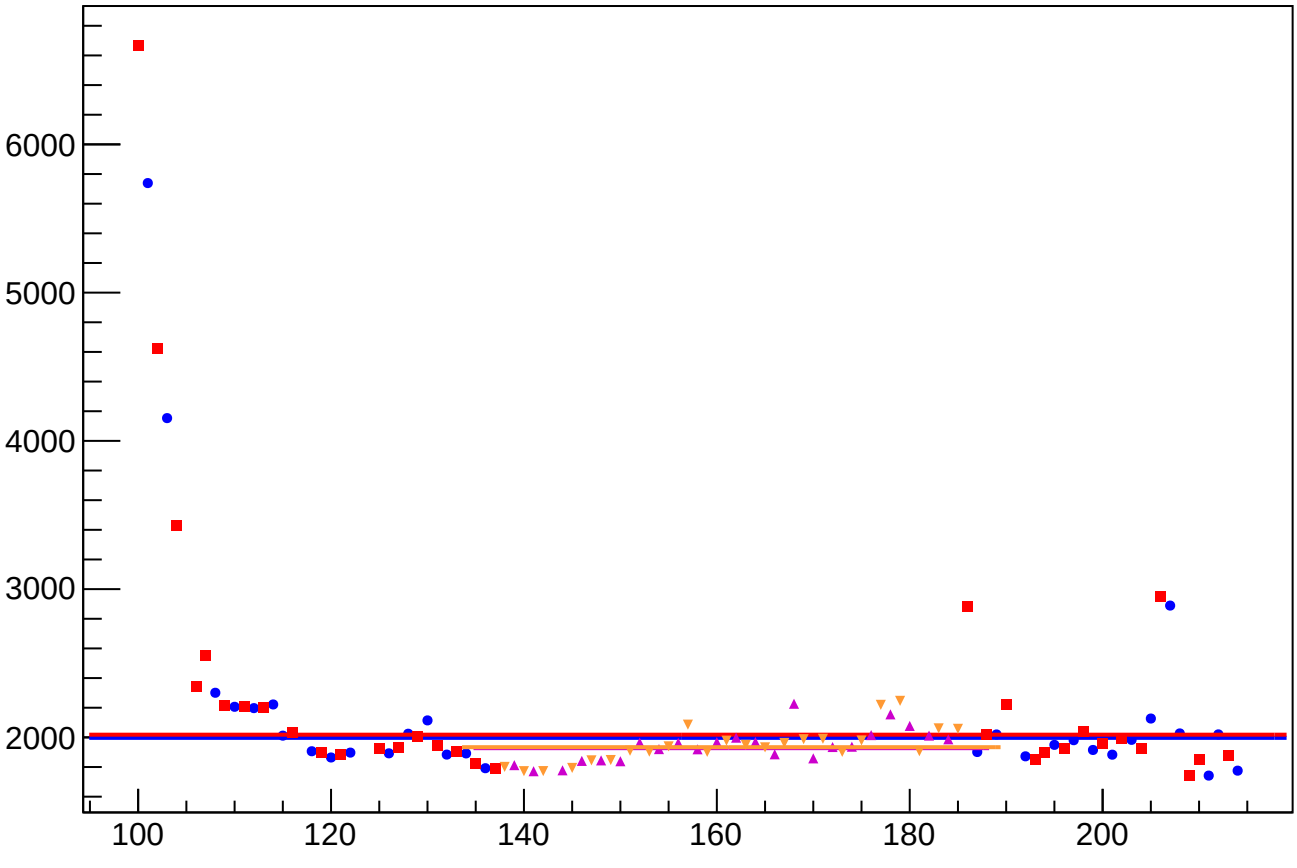
Right: 450.629+/-0.064 χ^2/NDF: 21609354.5/61

In: 458.480+/-0.065 χ^2/NDF:21455545.7/52

Out: 429.793+/-0.063 χ^2/NDF:25400541.6/55

All: 443.762+/-0.045 χ^2/NDF: 46956566.6/10


asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -71.293+/-475.737 χ²/NDF: 37.4/29
Left Out: 66.661+/-449.750 χ²/NDF:33.6/23
Right Out: 571.495+/-475.820 χ²/NDF: 29.5/31
Left In: 25.575+/-450.755 χ²/NDF:20.0/22
Left: 46.164+/-318.376 χ²/NDF: 53.6/46
Right: 250.045+/-336.426 χ²/NDF: 67.8/61
In: -20.249+/-327.207 χ²/NDF:57.4/52
Out: 304.870+/-326.849 χ²/NDF:63.7/55
All: 142.488+/-231.244 χ²/NDF: 121.6/108



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

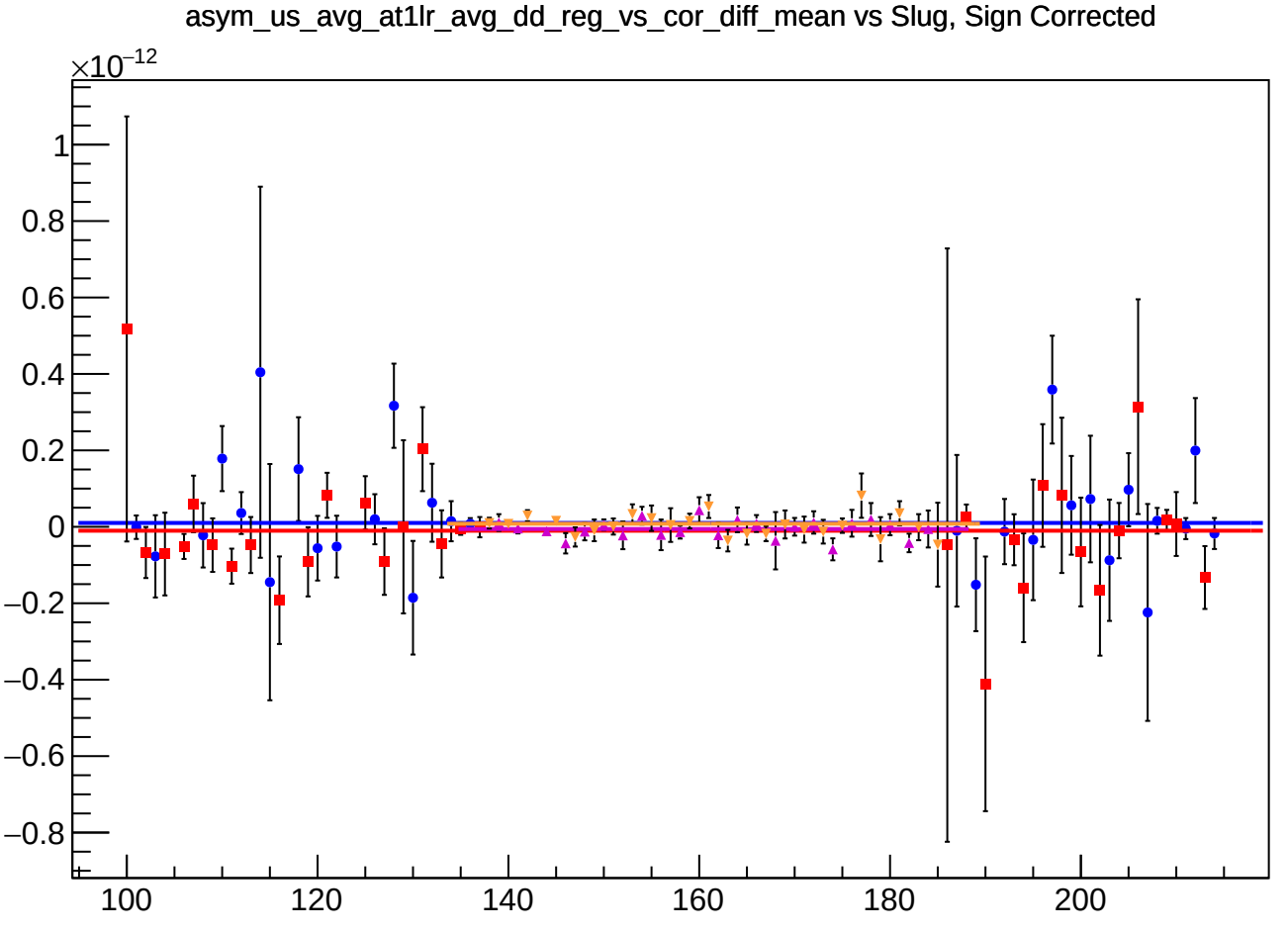
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

Right: 2007.467+/-0.238 χ^2/NDF: 2282322.0/61

In: 1960.072+/-0.231 χ^2/NDF:1347145.9/52

Out: 1973.611+/-0.231 χ^2/NDF:1233913.0/55

All: 1966.849+/-0.164 χ^2/NDF: 2582772.8/10



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

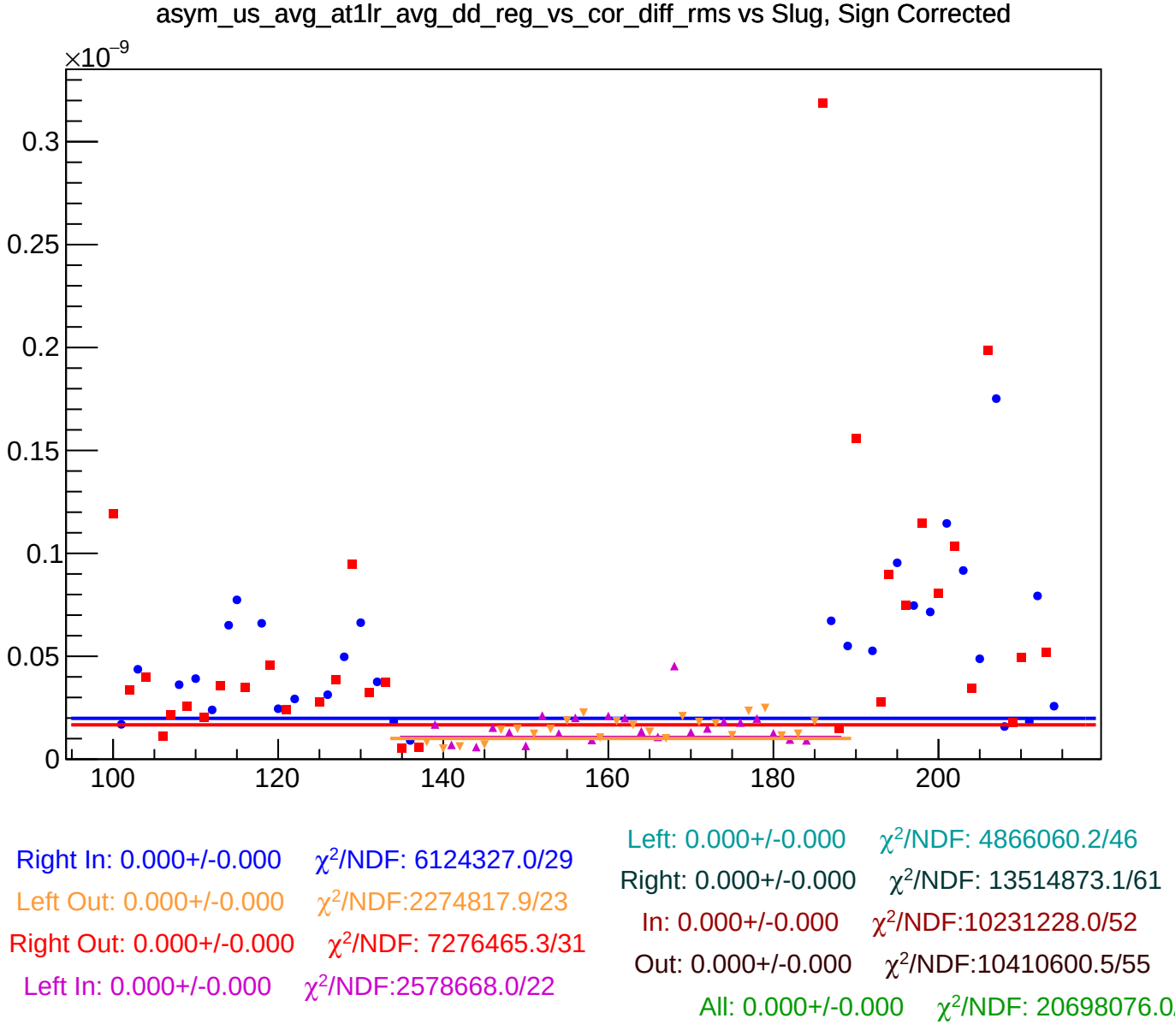
Left: 0.000+/-0.000 χ^2/NDF: 38.9/46

Right: -0.000+/-0.000 χ^2/NDF: 64.7/61

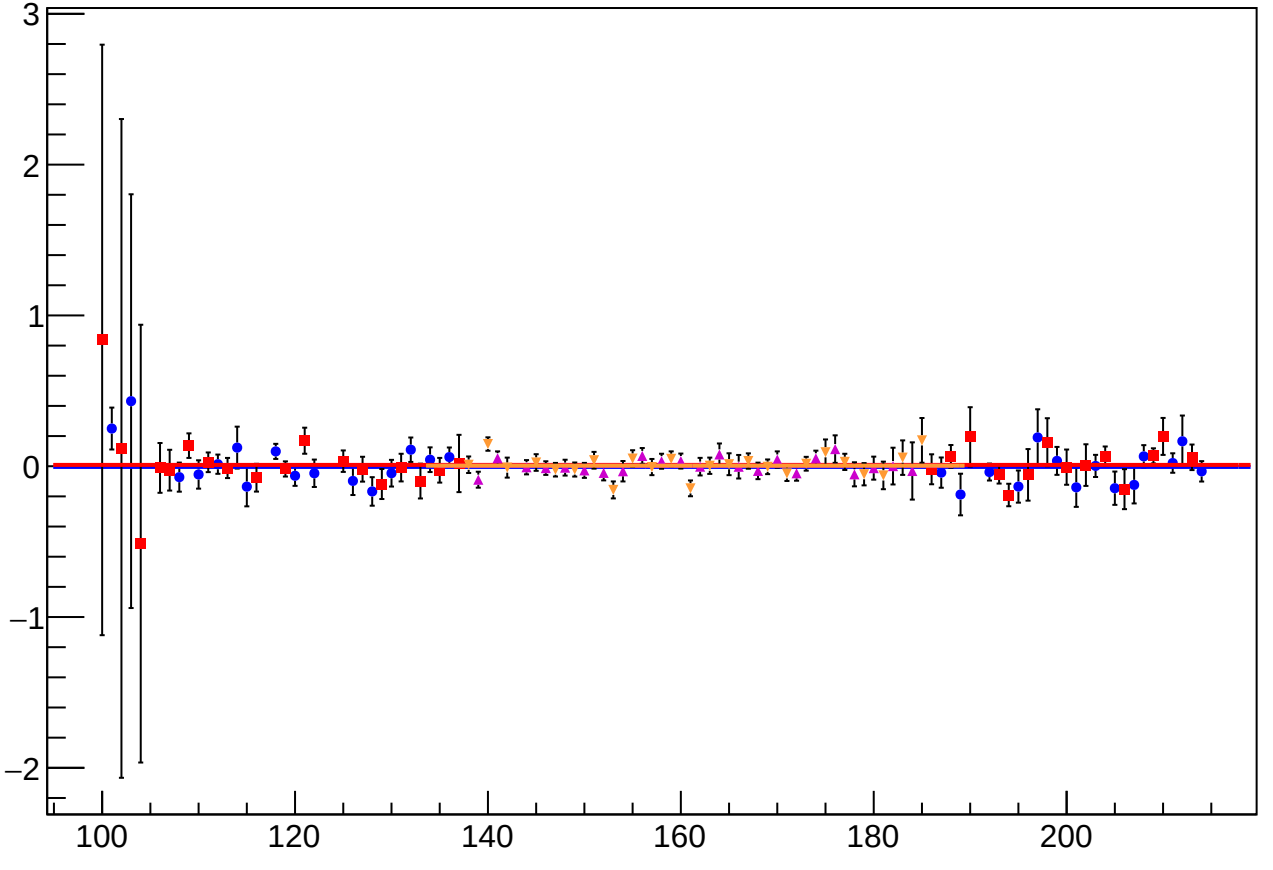
In: -0.000+/-0.000 χ^2/NDF:49.9/52

Out: 0.000+/-0.000 χ^2/NDF:52.0/55

All: 0.000+/-0.000 χ^2/NDF: 103.7/108


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6124327.0/29
Left Out: 0.000+/-0.000 χ²/NDF:2274817.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 7276465.3/31
Left In: 0.000+/-0.000 χ²/NDF:2578668.0/22
Left: 0.000+/-0.000 χ²/NDF: 4866060.2/46
Right: 0.000+/-0.000 χ²/NDF: 13514873.1/61
In: 0.000+/-0.000 χ²/NDF:10231228.0/52
Out: 0.000+/-0.000 χ²/NDF:10410600.5/55
All: 0.000+/-0.000 χ²/NDF: 20698076.0/108

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

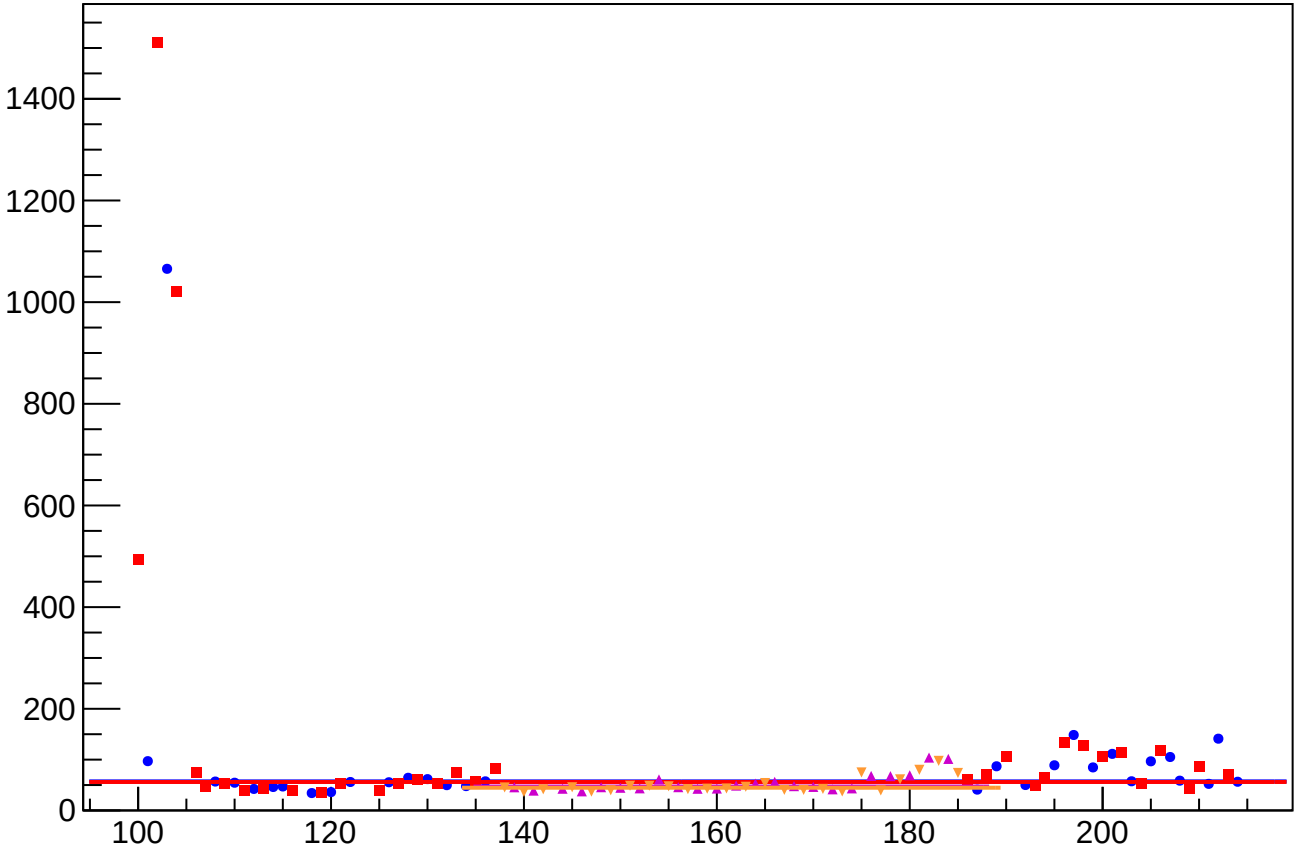
Right: 0.002+/-0.011 χ^2/NDF: 58.1/61

In: 0.000+/-0.010 χ^2/NDF:44.5/52

Out: 0.006+/-0.009 χ^2/NDF:63.0/55

All: 0.003+/-0.007 χ^2/NDF: 107.7/108

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

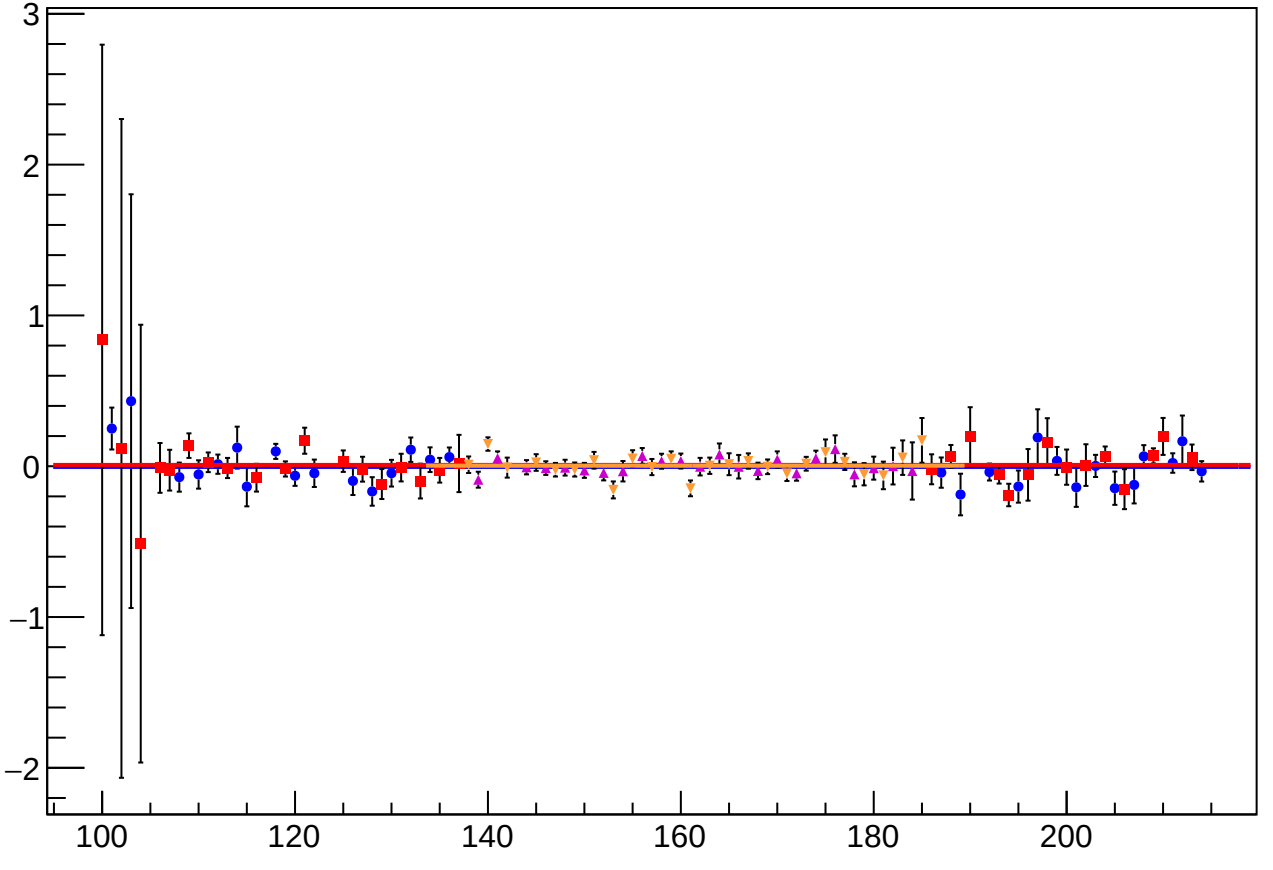
Right: 56.594+/-0.008 χ^2/NDF: 9747482.2/61

In: 50.739+/-0.007 χ^2/NDF:6382188.8/52

Out: 48.662+/-0.007 χ^2/NDF:7421412.0/55

All: 49.677+/-0.005 χ^2/NDF: 13852419.8/108

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

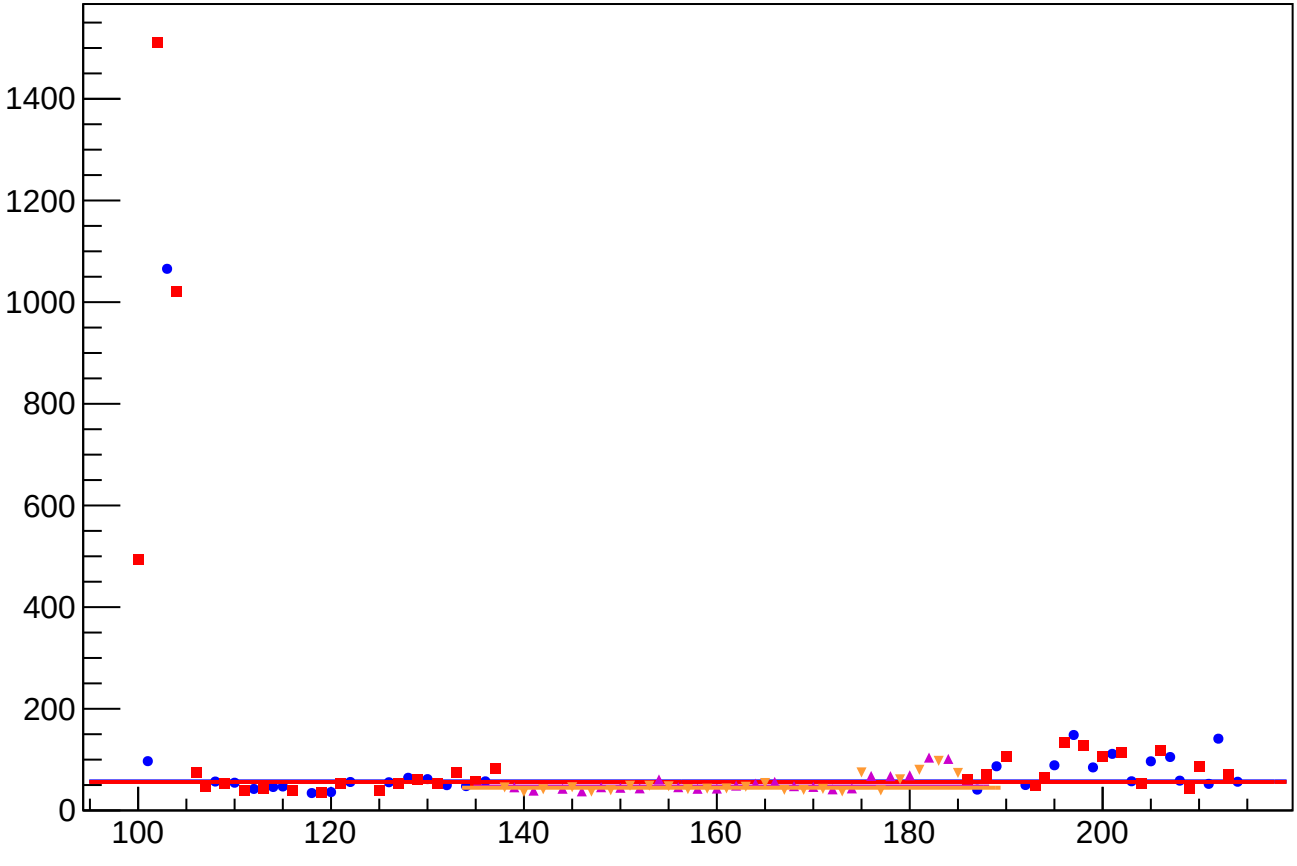
Right: 0.002+/-0.011 χ^2/NDF: 58.1/61

In: 0.000+/-0.010 χ^2/NDF:44.5/52

Out: 0.006+/-0.009 χ^2/NDF:63.0/55

All: 0.003+/-0.007 χ^2/NDF: 107.7/108

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

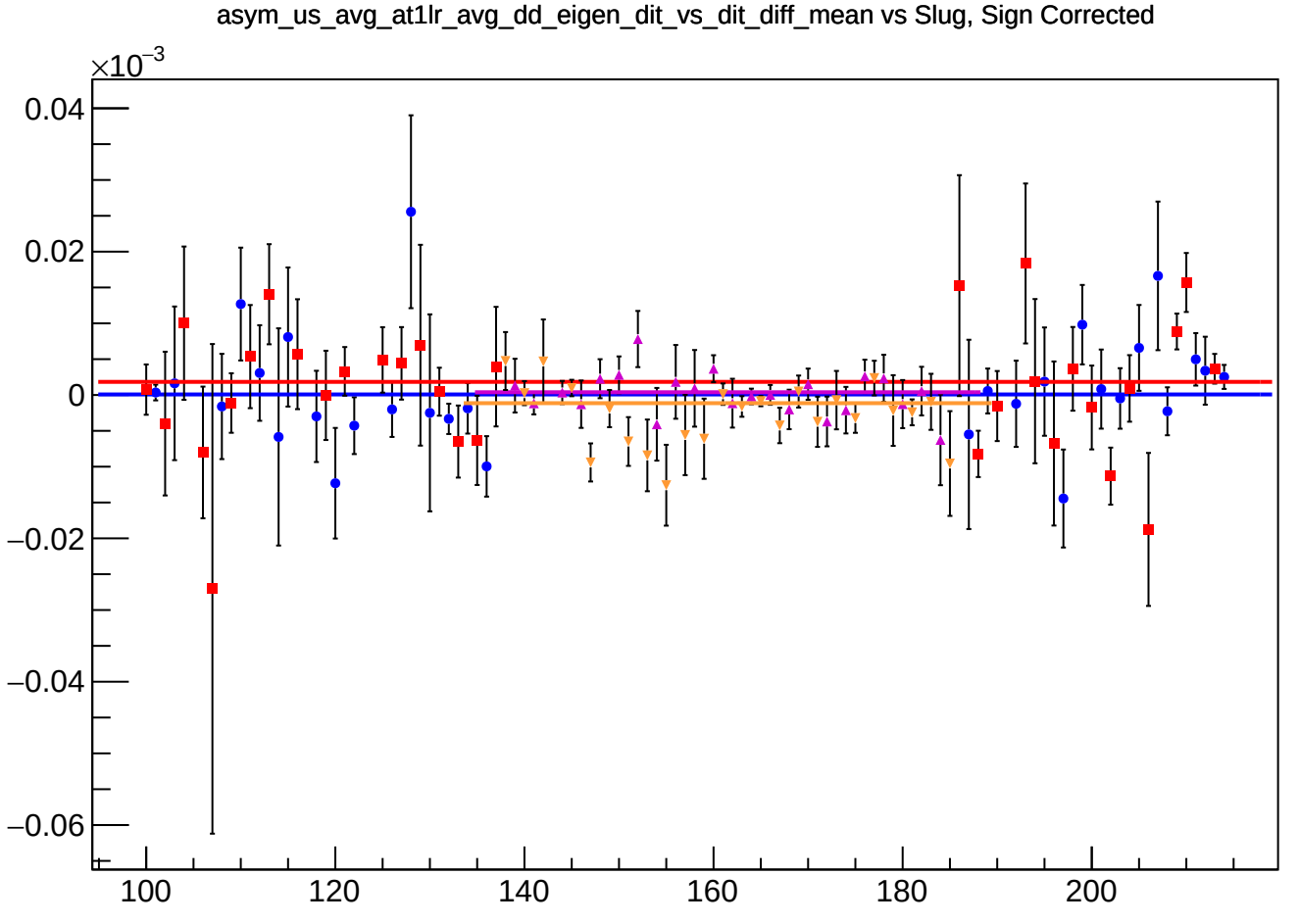
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 56.594+/-0.008 χ^2/NDF: 9747482.2/61

In: 50.739+/-0.007 χ^2/NDF:6382188.8/52

Out: 48.662+/-0.007 χ^2/NDF:7421412.0/55

All: 49.677+/-0.005 χ^2/NDF: 13852419.8/108



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

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

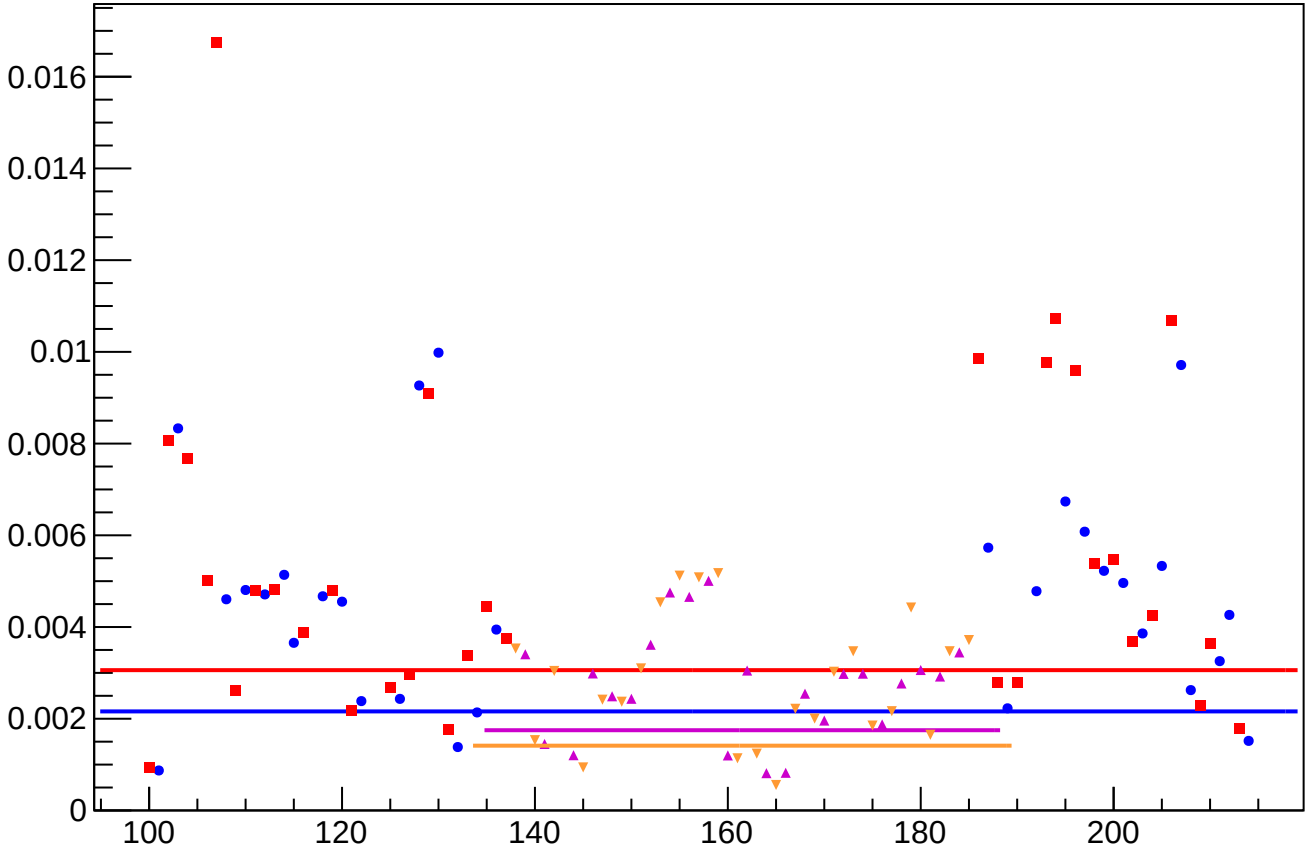
Right: 0.000+/-0.000 χ^2/NDF: 101.1/61

In: 0.000+/-0.000 χ^2/NDF:53.3/52

Out: -0.000+/-0.000 χ^2/NDF:107.3/55

All: -0.000+/-0.000 χ^2/NDF: 163.1/108

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

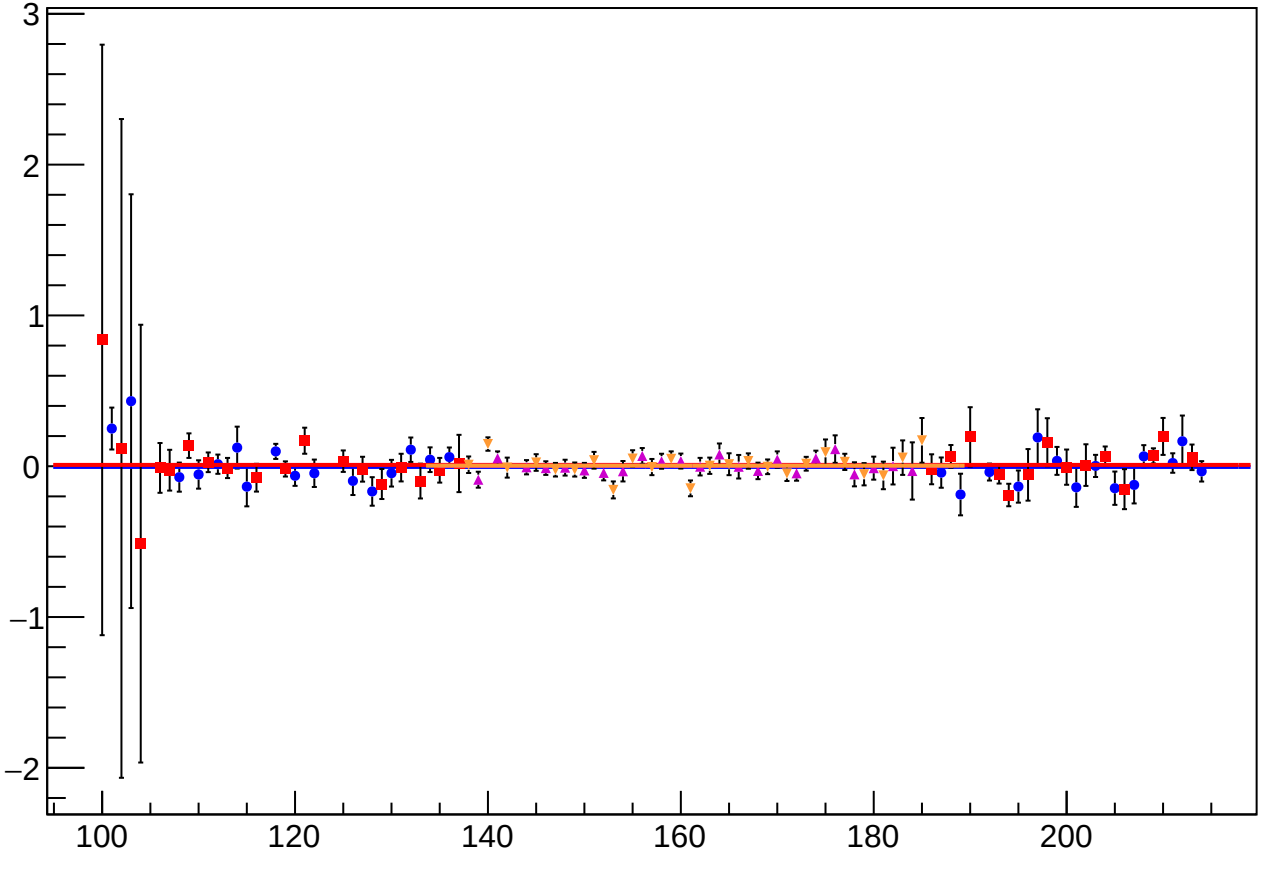
Right: 0.002+/-0.000 χ^2/NDF: 22853285.5/61

In: 0.002+/-0.000 χ^2/NDF:21273105.7/52

Out: 0.002+/-0.000 χ^2/NDF:26624392.2/55

All: 0.002+/-0.000 χ^2/NDF: 48102487.3/108

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

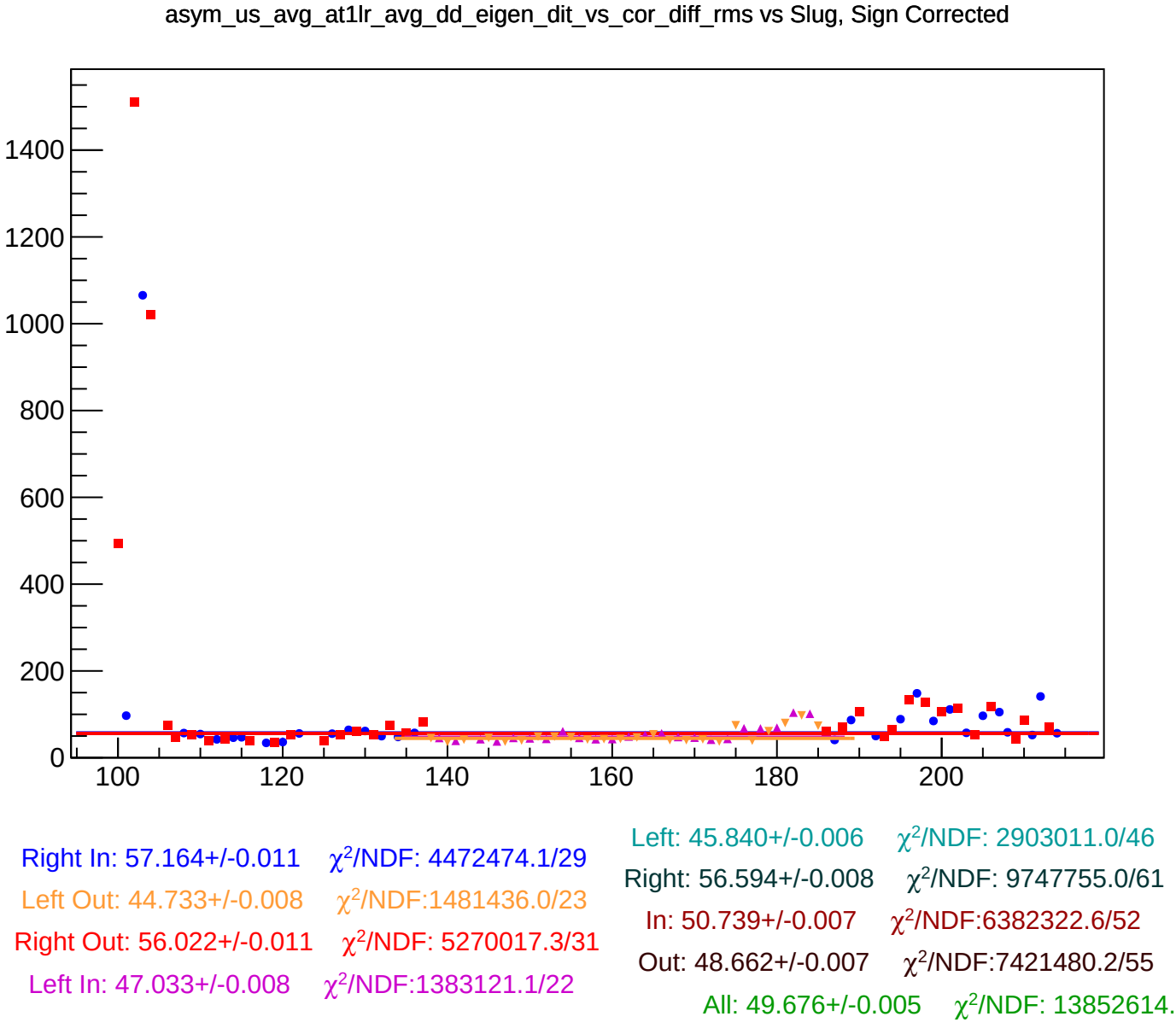
Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

Right: 0.002+/-0.011 χ^2/NDF: 58.1/61

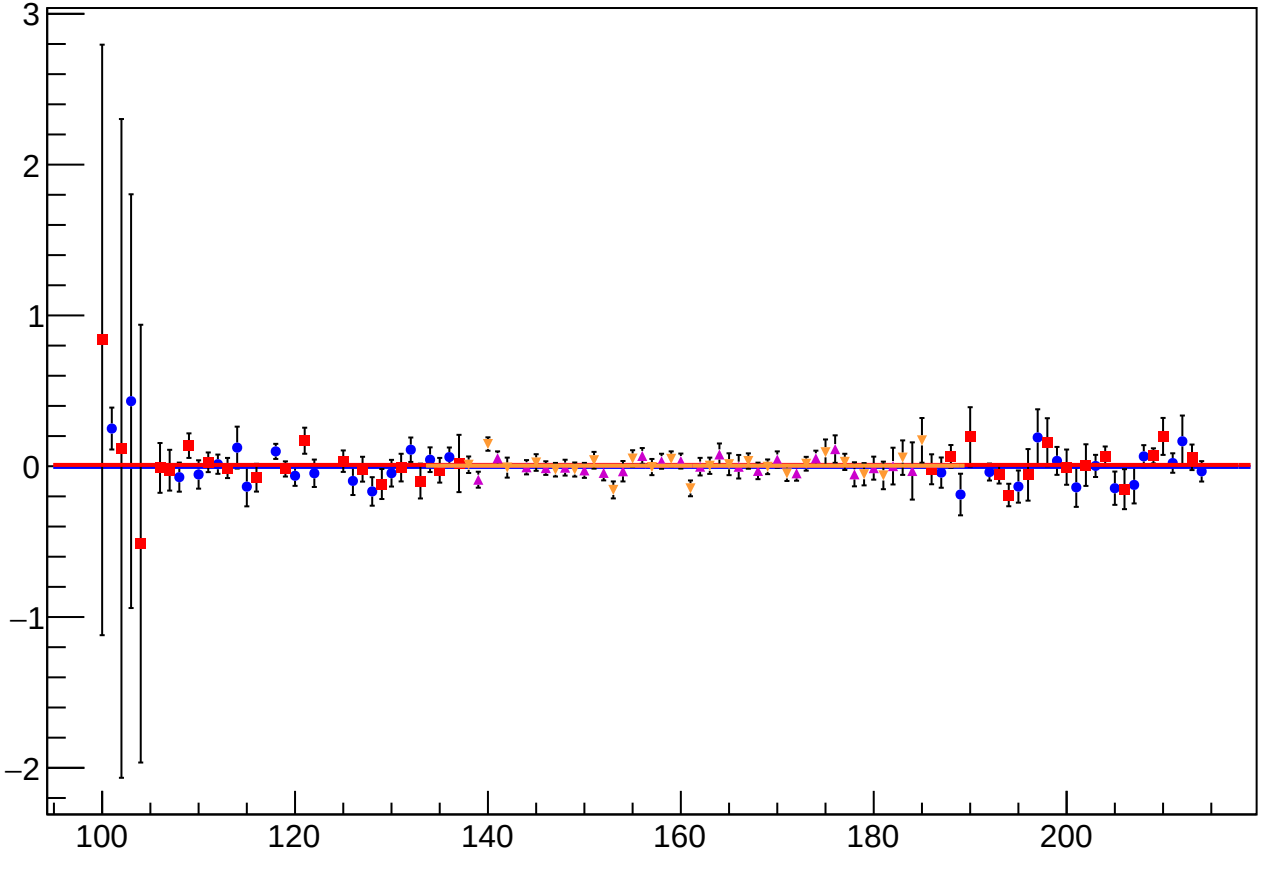
In: 0.000+/-0.010 χ^2/NDF:44.5/52

Out: 0.006+/-0.009 χ^2/NDF:63.0/55

All: 0.003+/-0.007 χ^2/NDF: 107.7/108


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
200
Right In: 57.164+/-0.011 χ²/NDF: 4472474.1/29
Left Out: 44.733+/-0.008 χ²/NDF:1481436.0/23
Right Out: 56.022+/-0.011 χ²/NDF: 5270017.3/31
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
Left: 45.840+/-0.006 χ²/NDF: 2903011.0/46
Right: 56.594+/-0.008 χ²/NDF: 9747755.0/61
In: 50.739+/-0.007 χ²/NDF:6382322.6/52
Out: 48.662+/-0.007 χ²/NDF:7421480.2/55
All: 49.676+/-0.005 χ²/NDF: 13852614.5/108

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

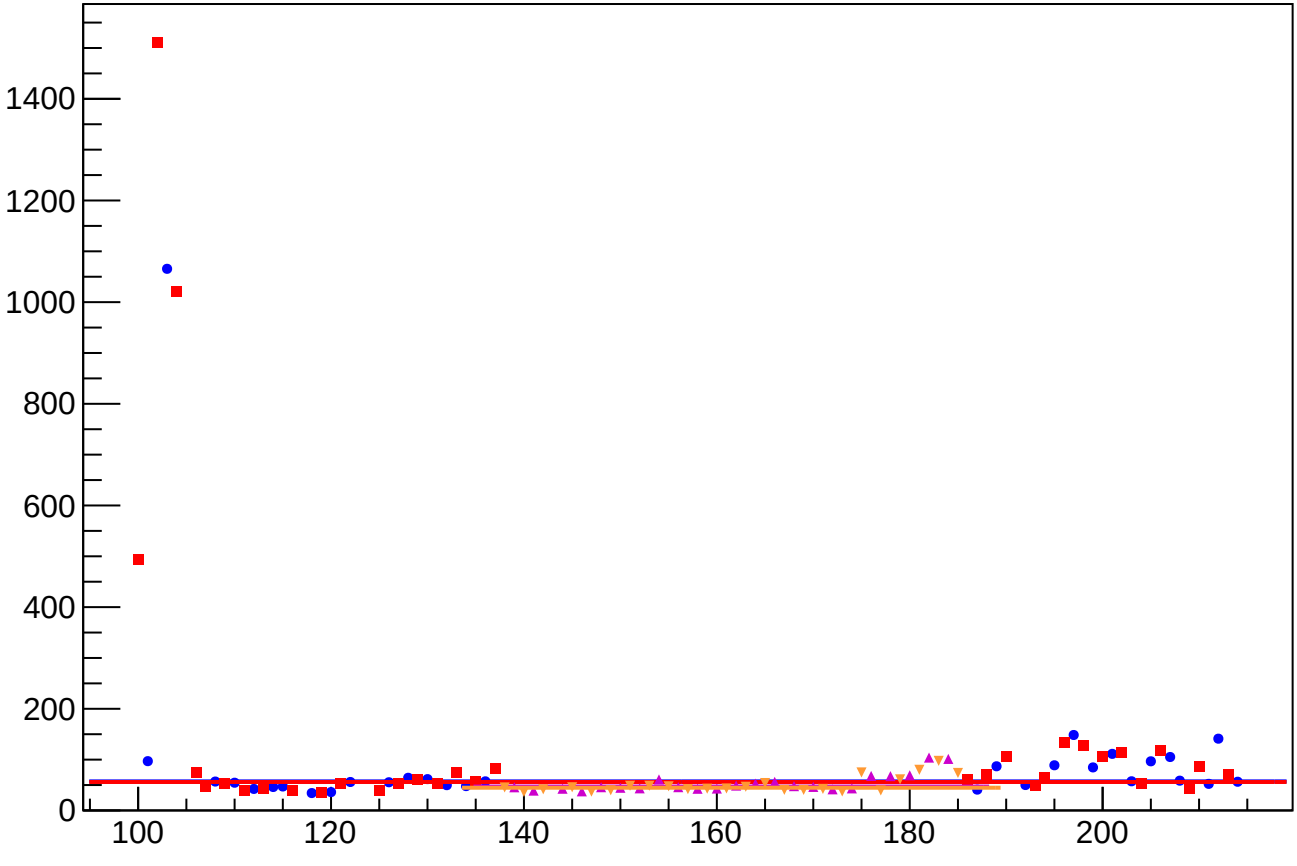
Right: 0.002+/-0.011 χ^2/NDF: 58.1/61

In: 0.000+/-0.010 χ^2/NDF:44.5/52

Out: 0.006+/-0.009 χ^2/NDF:63.0/55

All: 0.003+/-0.007 χ^2/NDF: 107.7/108

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

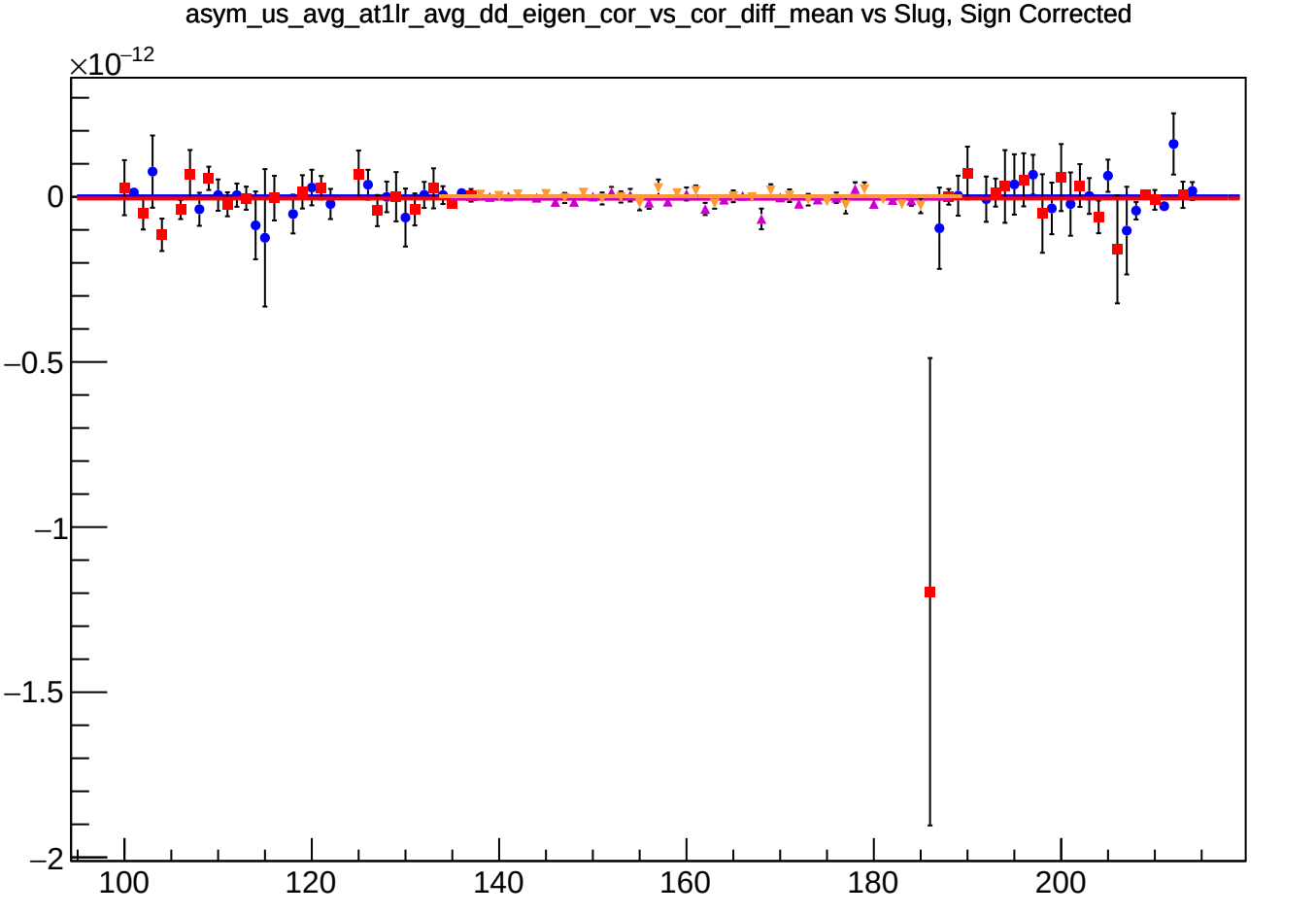
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 56.594+/-0.008 χ^2/NDF: 9747755.0/61

In: 50.739+/-0.007 χ^2/NDF:6382322.6/52

Out: 48.662+/-0.007 χ^2/NDF:7421480.2/55

All: 49.676+/-0.005 χ^2/NDF: 13852614.5/108



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

Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

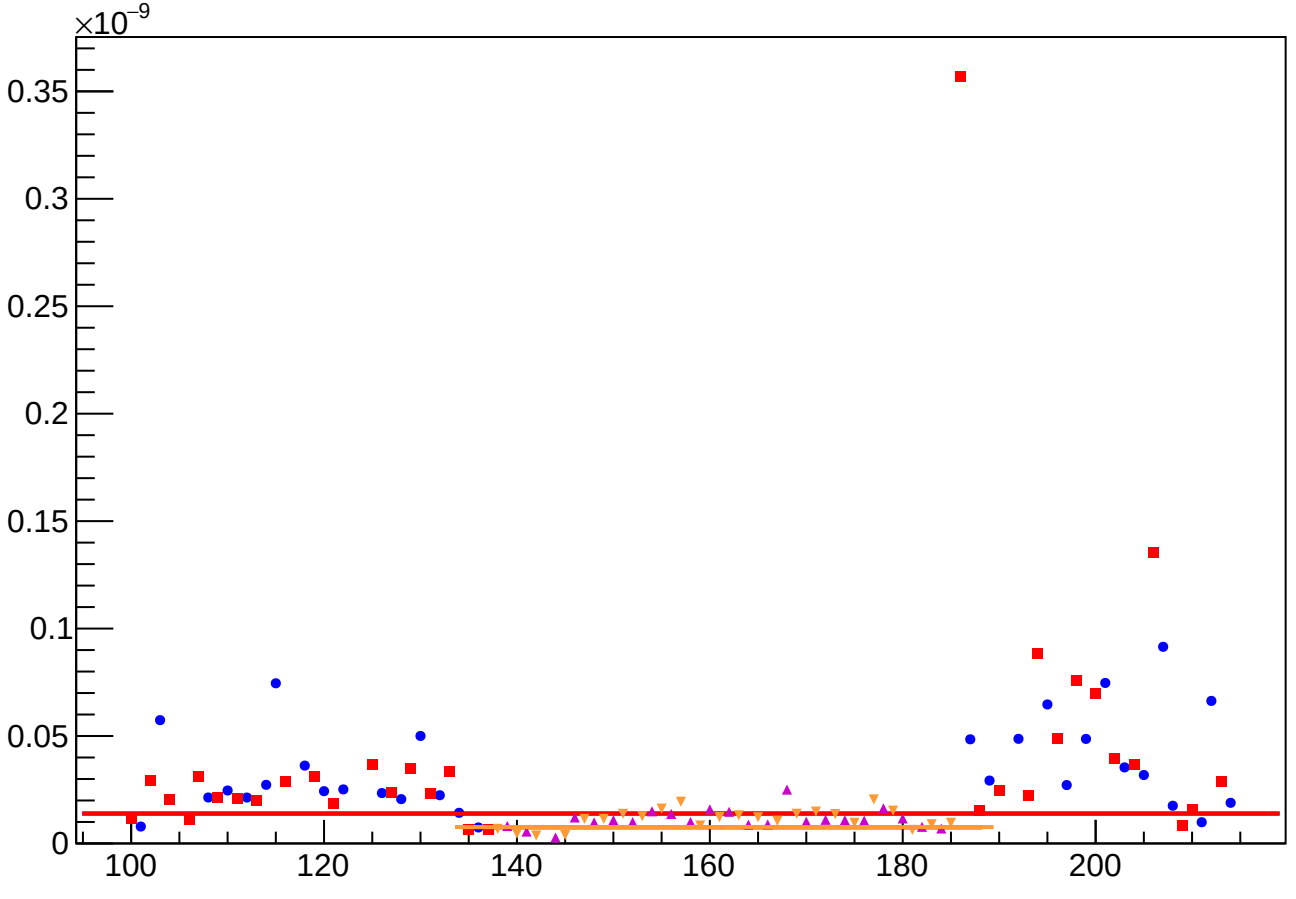
Right: -0.000+/-0.000 χ^2/NDF: 47.8/61

In: -0.000+/-0.000 χ^2/NDF:40.6/52

Out: 0.000+/-0.000 χ^2/NDF:47.5/55

All: -0.000+/-0.000 χ^2/NDF: 90.5/108

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

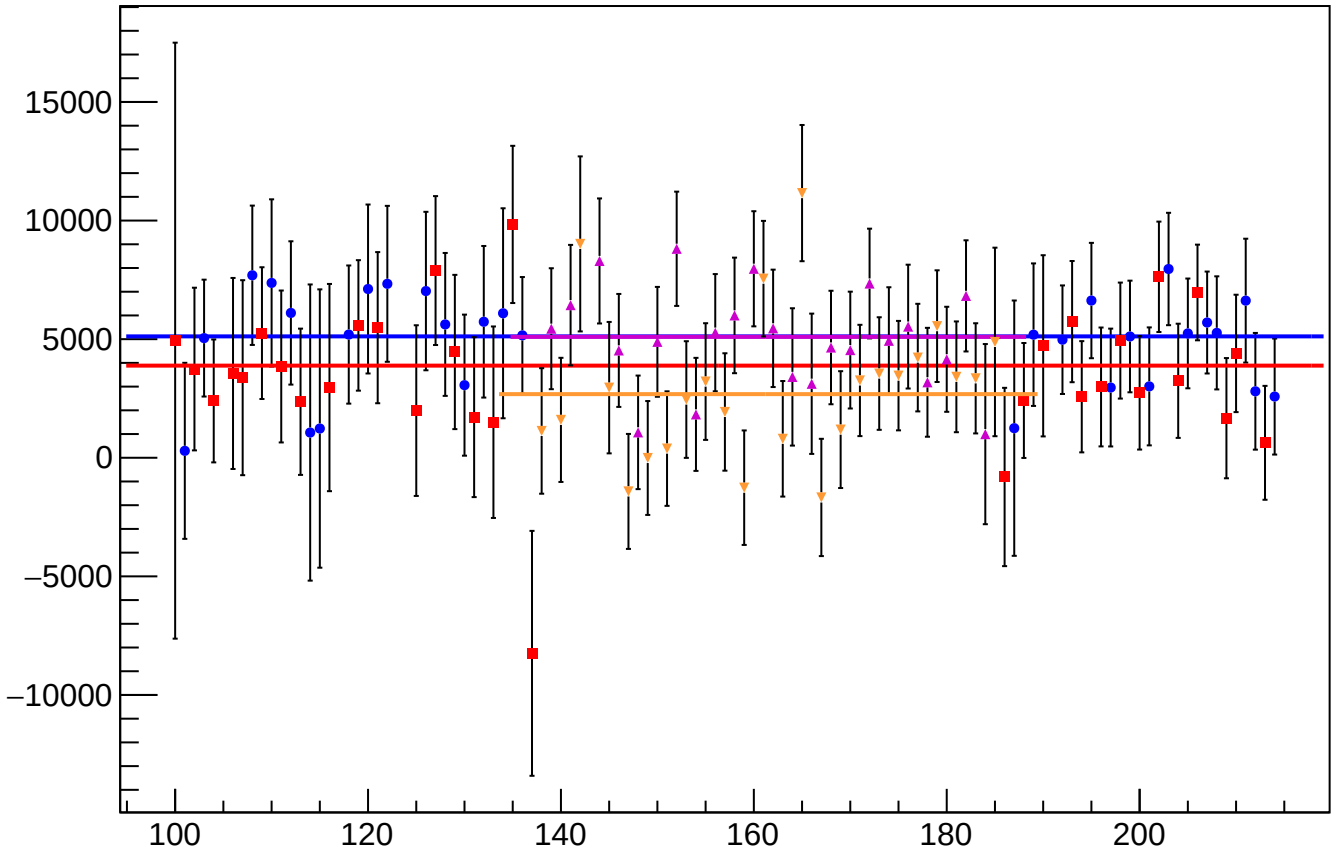
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 16612609.8/61

In: 0.000+/-0.000 χ^2/NDF:16333142.3/52

Out: 0.000+/-0.000 χ^2/NDF:16224975.5/55

All: 0.000+/-0.000 χ^2/NDF: 32560297.6/108



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

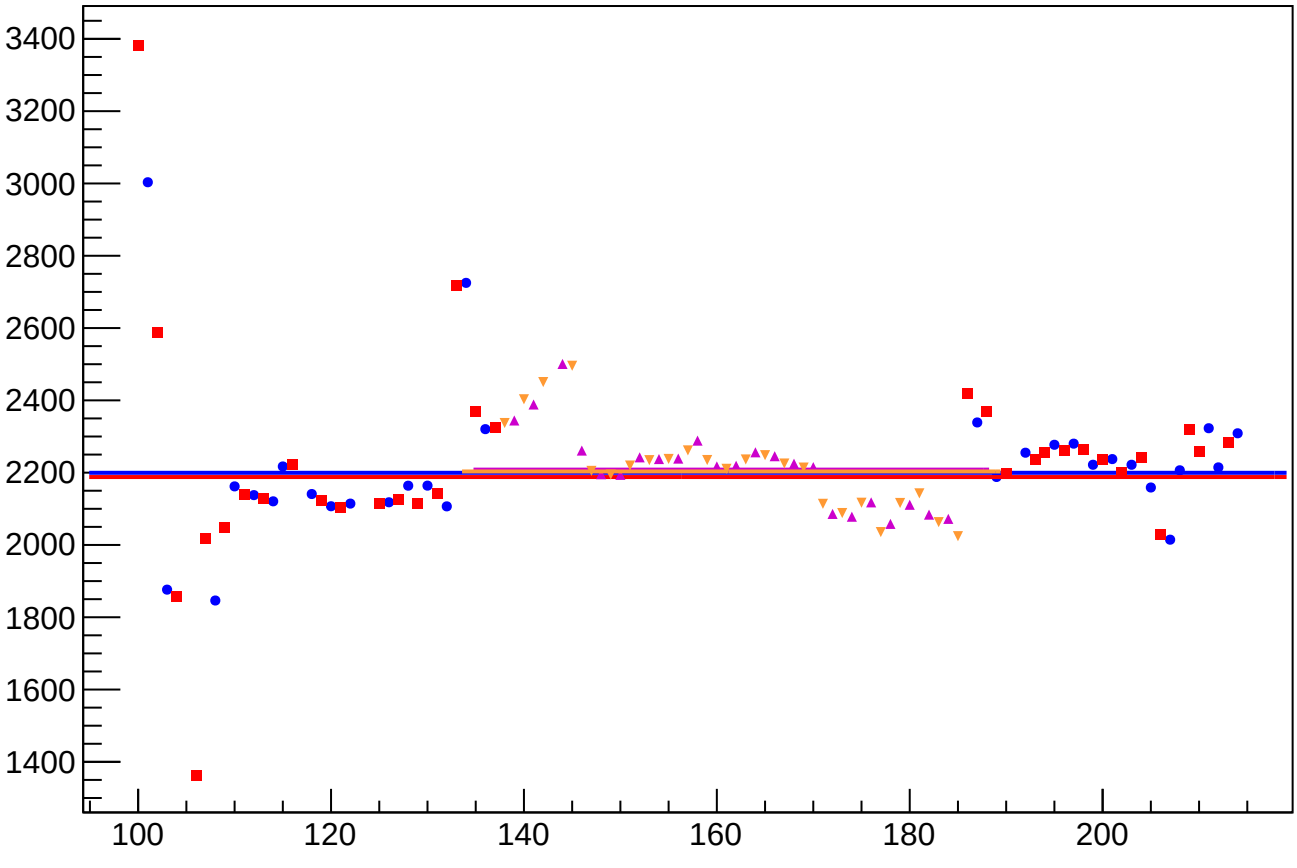
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4500.335+/-364.410 χ^2/NDF: 38.6/61

In: 5107.000+/-364.820 χ^2/NDF:26.6/52

Out: 3280.103+/-363.127 χ^2/NDF:57.5/55

All: 4189.301+/-257.366 χ^2/NDF: 96.8/108



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

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

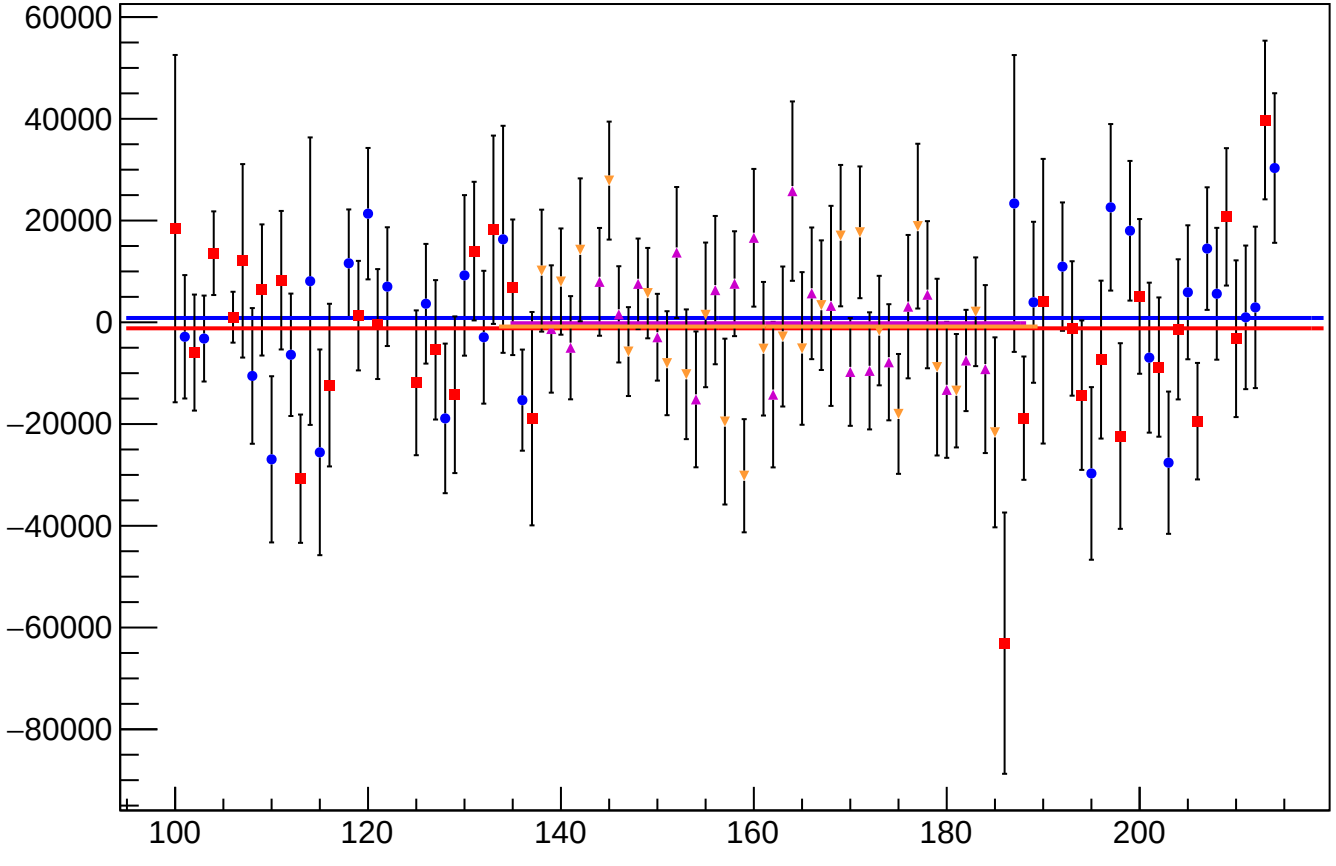
Right: 2193.695+/-0.257 χ^2/NDF: 566547.2/61

In: 2203.990+/-0.258 χ^2/NDF:311337.9/52

Out: 2195.578+/-0.256 χ^2/NDF:425086.6/55

All: 2199.751+/-0.182 χ^2/NDF: 736960.4/108

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



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

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

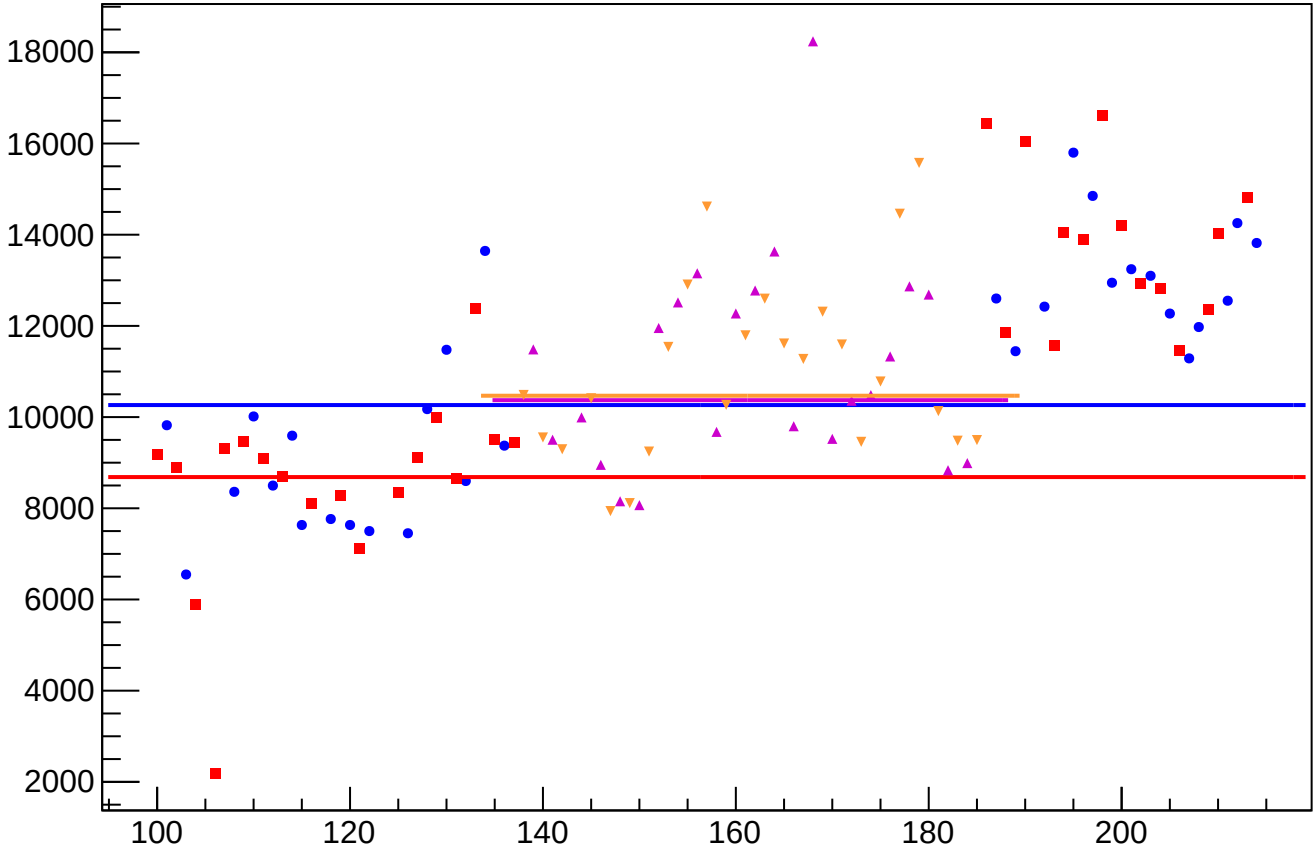
Right: -269.085+/-1662.219 χ^2/NDF: 72.4/61

In: 332.258+/-1749.865 χ^2/NDF:47.0/52

Out: -1026.647+/-1663.217 χ^2/NDF:68.4/55

All: -381.671+/-1205.541 χ^2/NDF: 115.7/108

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



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

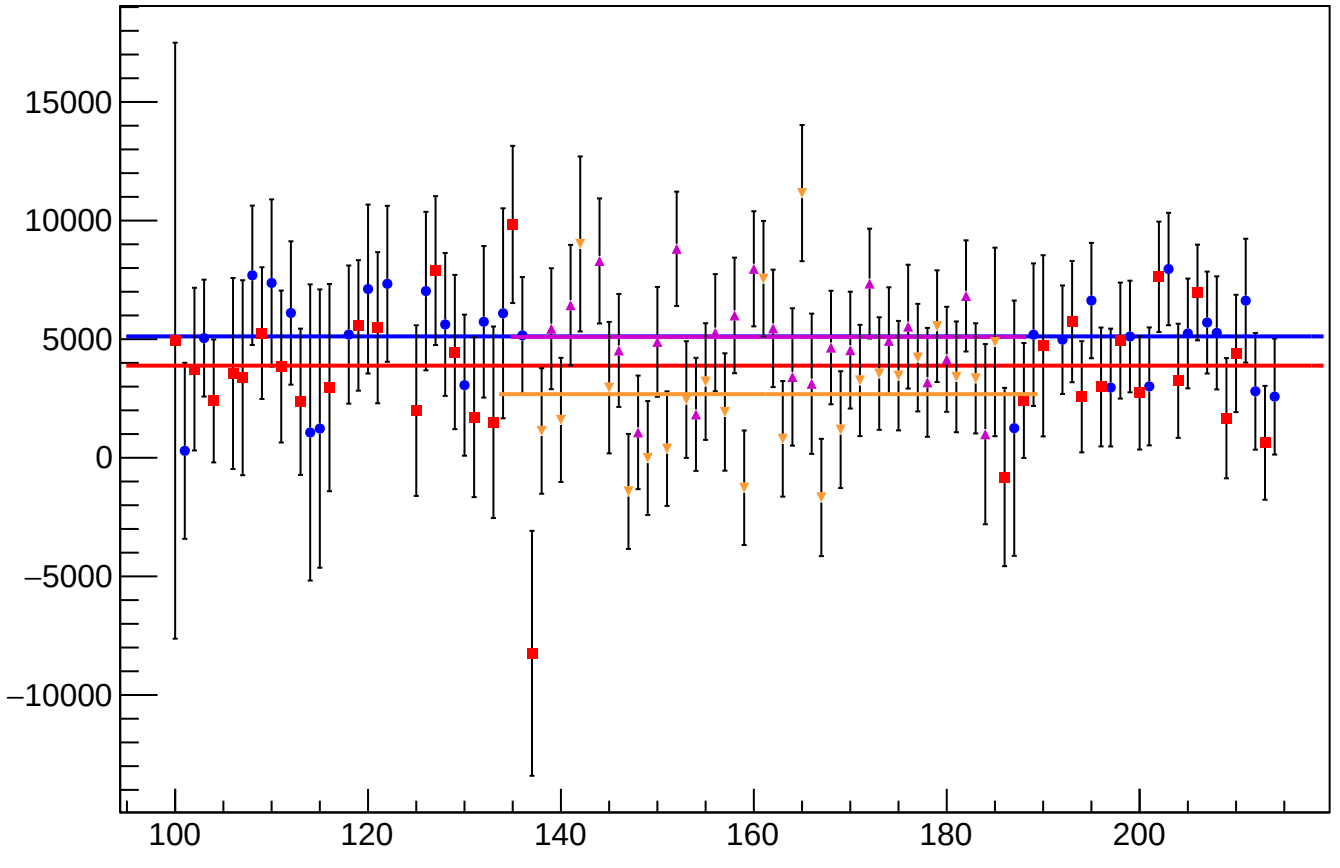
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 9395.174+/-1.175 χ^2/NDF: 9224270.6/61

In: 10317.569+/-1.237 χ^2/NDF:3326311.6/52

Out: 9486.105+/-1.176 χ^2/NDF:8271363.6/55

All: 9880.742+/-0.852 χ^2/NDF: 11834907.3/1



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

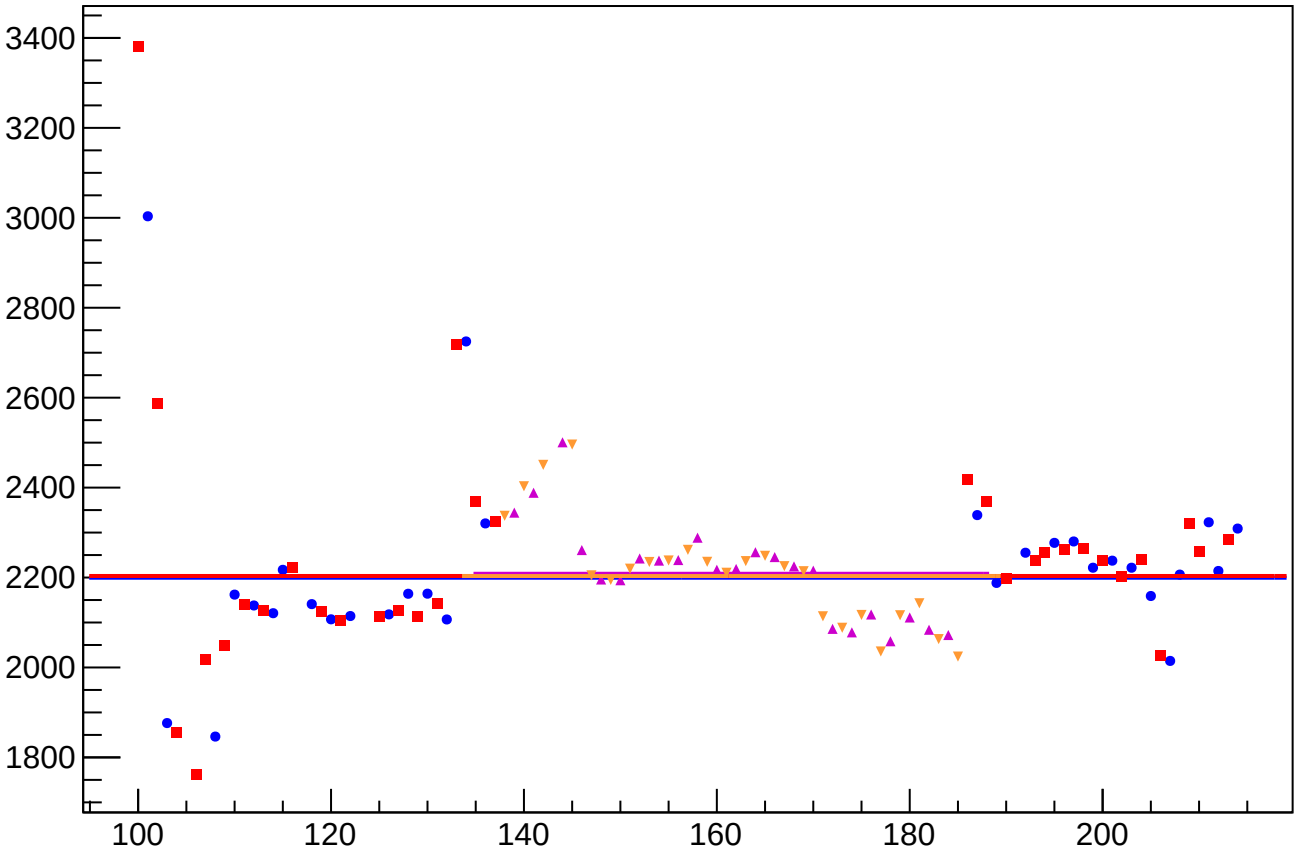
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4500.334+/-364.410 χ^2/NDF: 38.6/61

In: 5106.990+/-364.820 χ^2/NDF:26.6/52

Out: 3280.027+/-363.127 χ^2/NDF:57.5/55

All: 4189.258+/-257.366 χ^2/NDF: 96.8/108



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

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

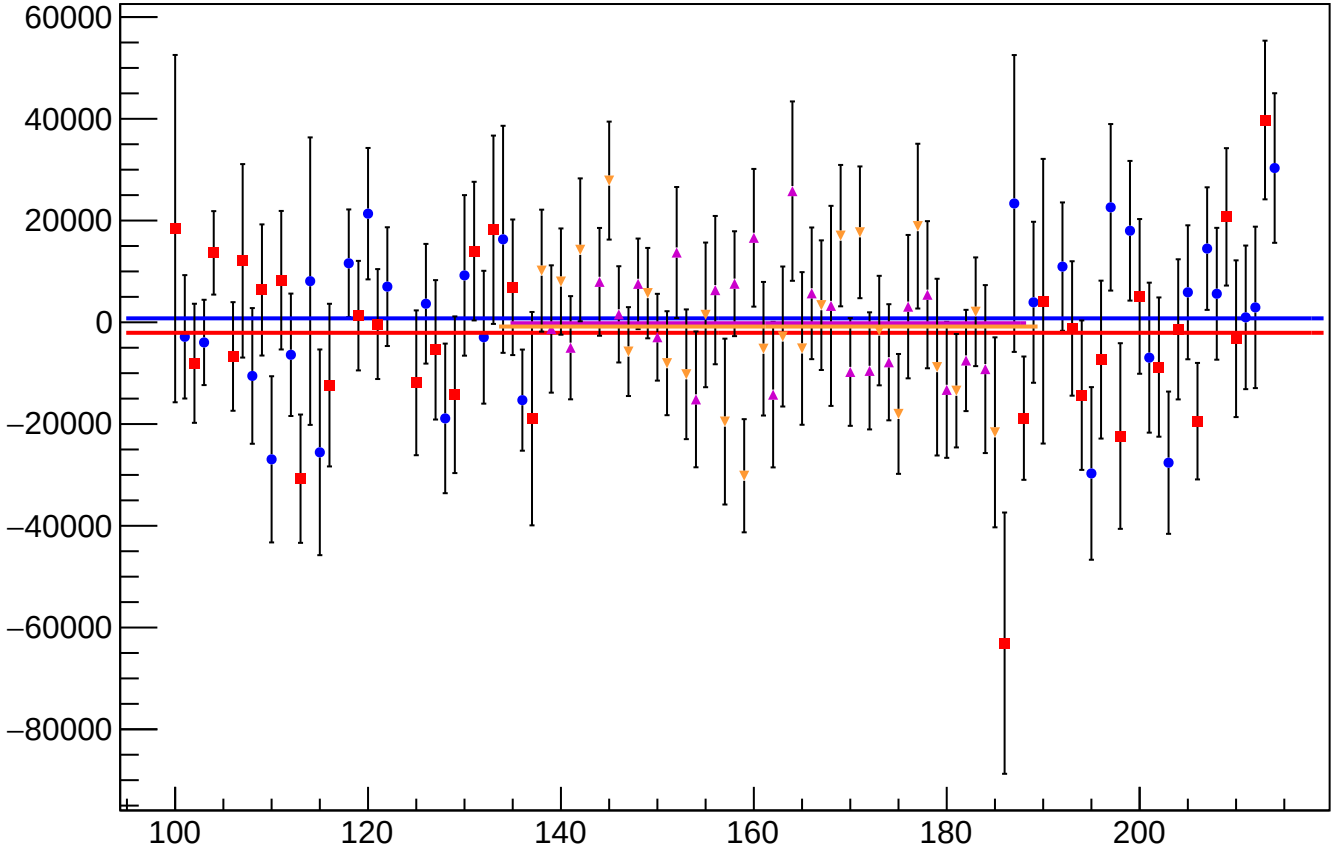
Right: 2201.545+/-0.257 χ^2/NDF: 440807.9/61

In: 2203.990+/-0.258 χ^2/NDF:311338.3/52

Out: 2203.381+/-0.257 χ^2/NDF:298905.1/55

All: 2203.684+/-0.182 χ^2/NDF: 610246.2/108

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



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

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

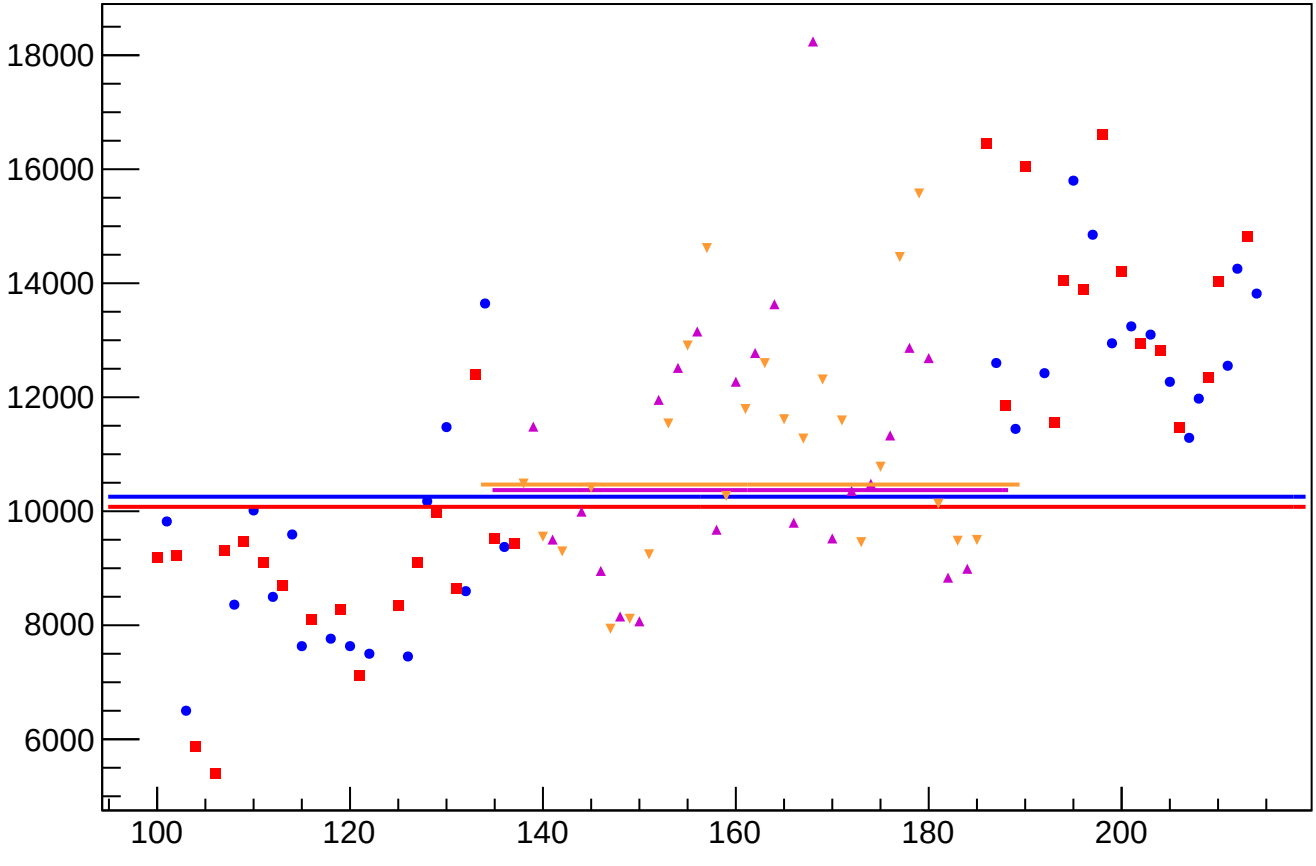
Right: -662.763+/-1739.190 χ^2/NDF: 73.0/61

In: 296.728+/-1749.286 χ^2/NDF:47.0/52

Out: -1458.679+/-1740.903 χ^2/NDF:68.7/55

All: -585.192+/-1233.958 χ^2/NDF: 116.2/108

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



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

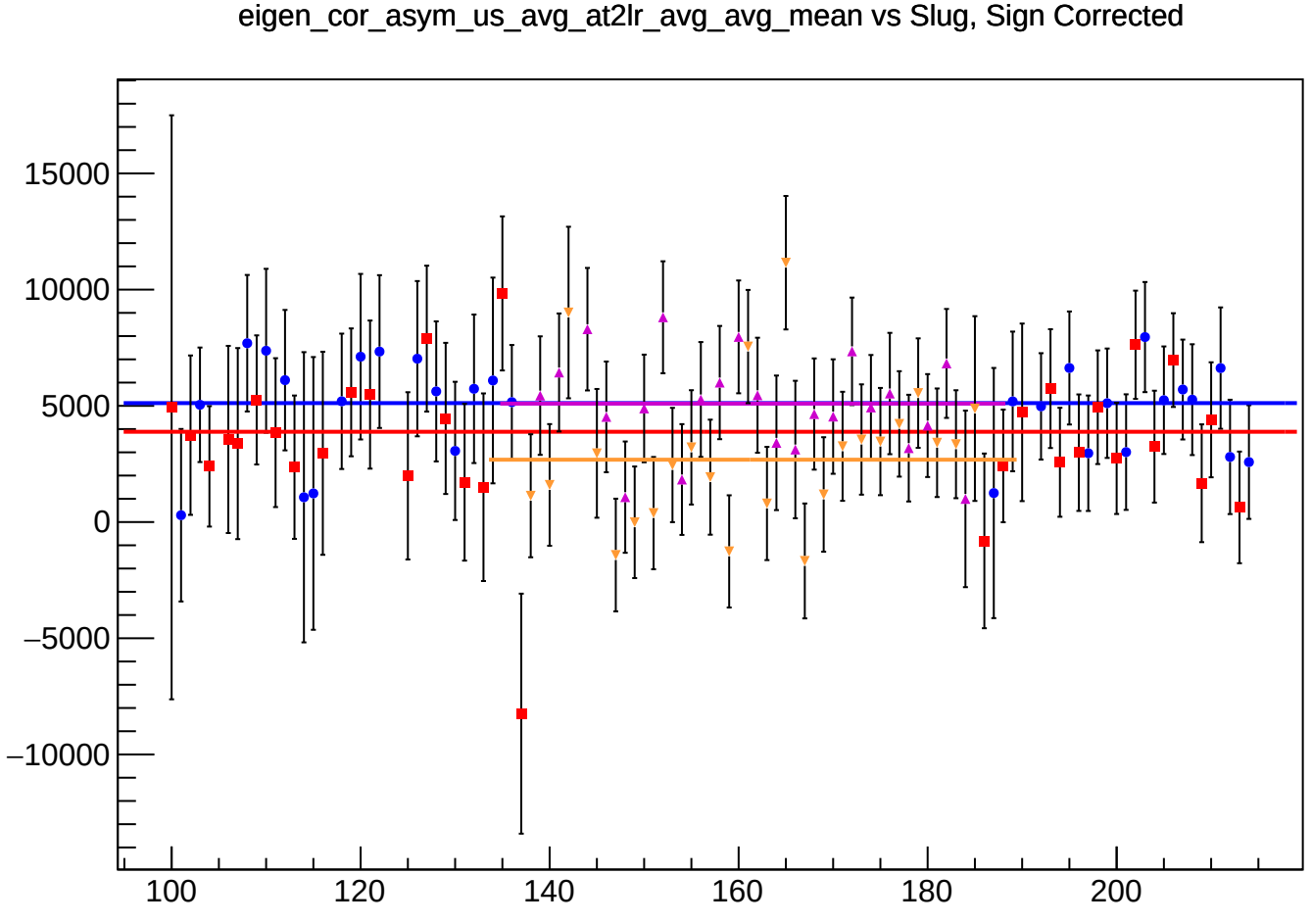
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 10164.980+/-1.230 χ^2/NDF: 4960423.3/61

In: 10313.008+/-1.237 χ^2/NDF:3342630.3/52

Out: 10270.030+/-1.231 χ^2/NDF:3889052.8/55

All: 10291.416+/-0.873 χ^2/NDF: 7232289.7/1



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

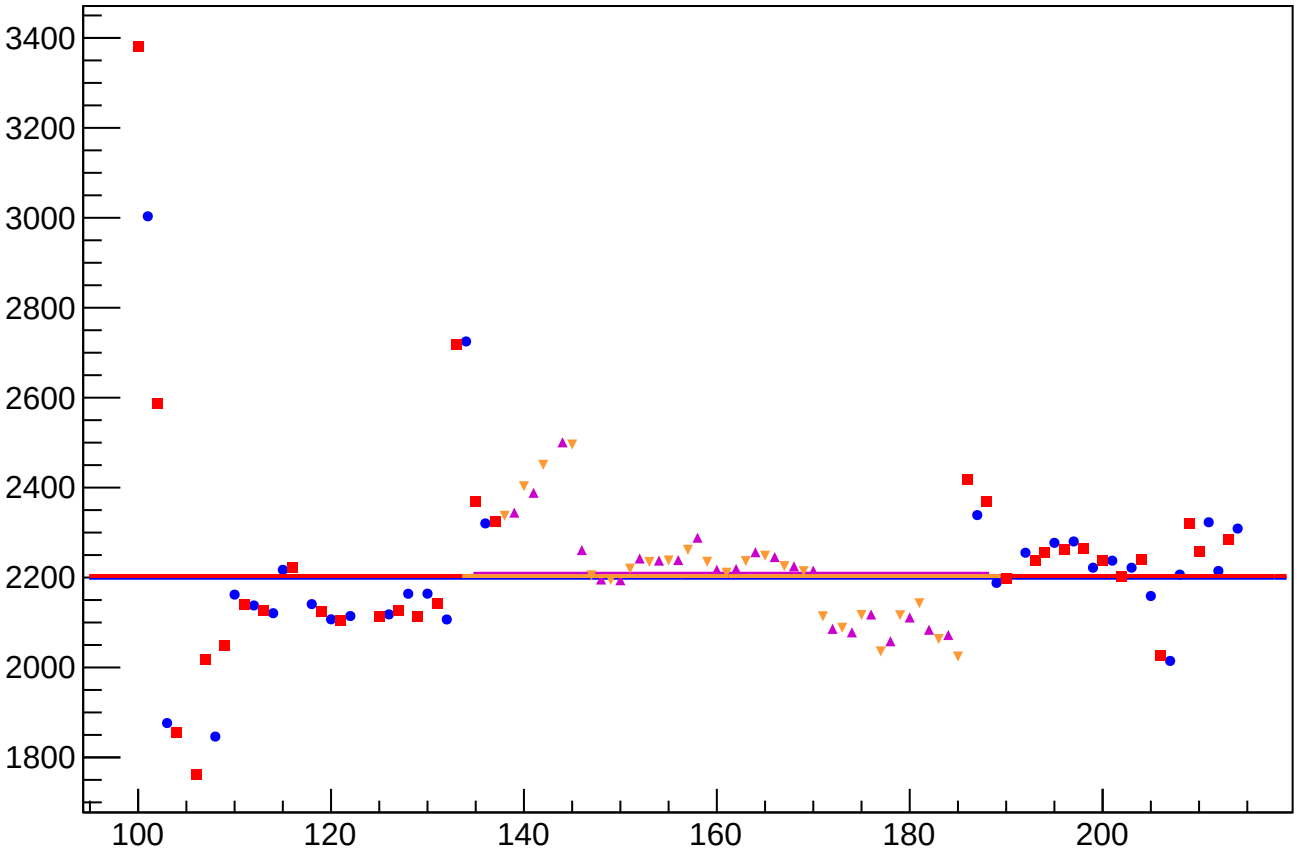
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4500.334+/-364.410 χ^2/NDF: 38.6/61

In: 5106.990+/-364.820 χ^2/NDF:26.6/52

Out: 3280.027+/-363.127 χ^2/NDF:57.5/55

All: 4189.258+/-257.366 χ^2/NDF: 96.8/108



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

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

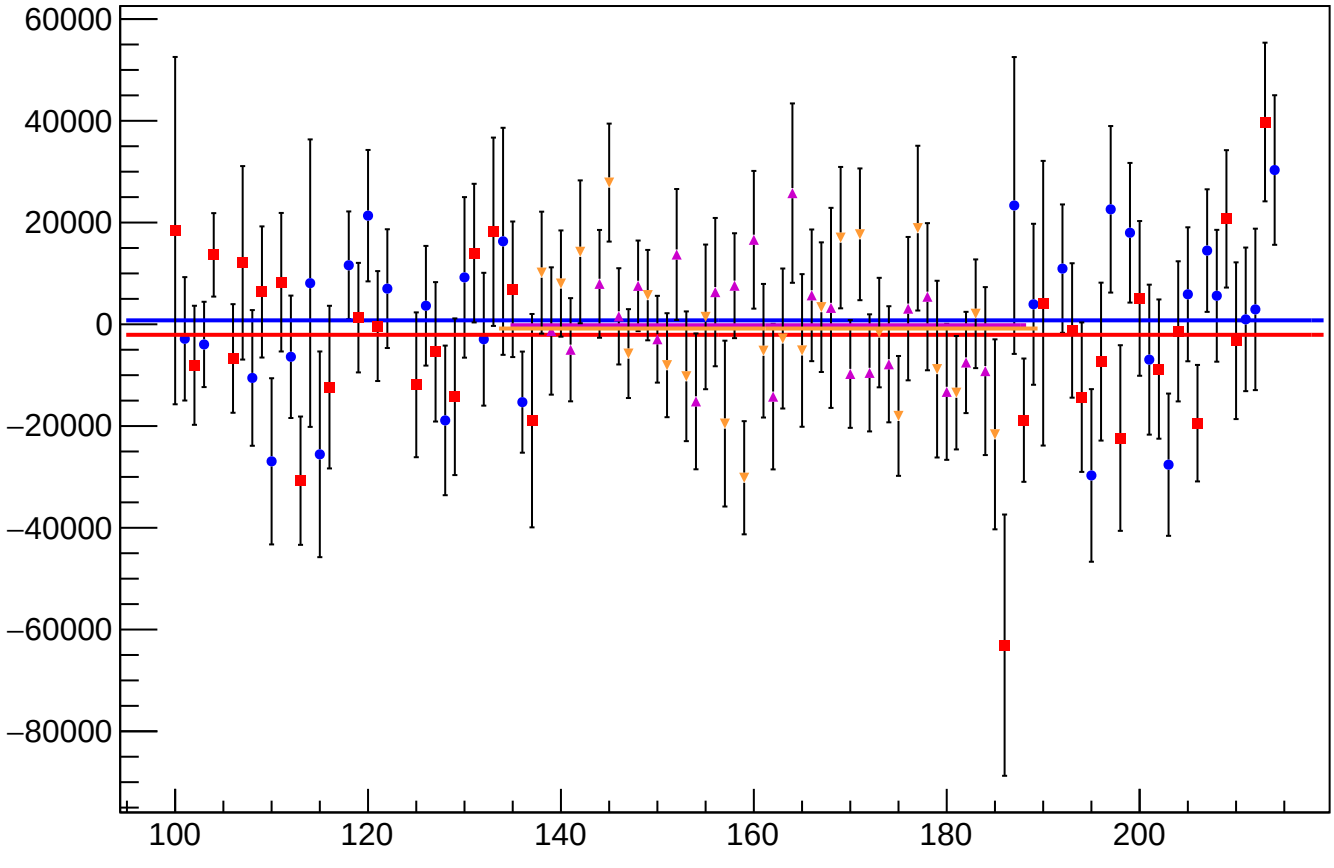
Right: 2201.545+/-0.257 χ^2/NDF: 440807.9/61

In: 2203.990+/-0.258 χ^2/NDF:311338.3/52

Out: 2203.381+/-0.257 χ^2/NDF:298905.1/55

All: 2203.684+/-0.182 χ^2/NDF: 610246.2/108

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

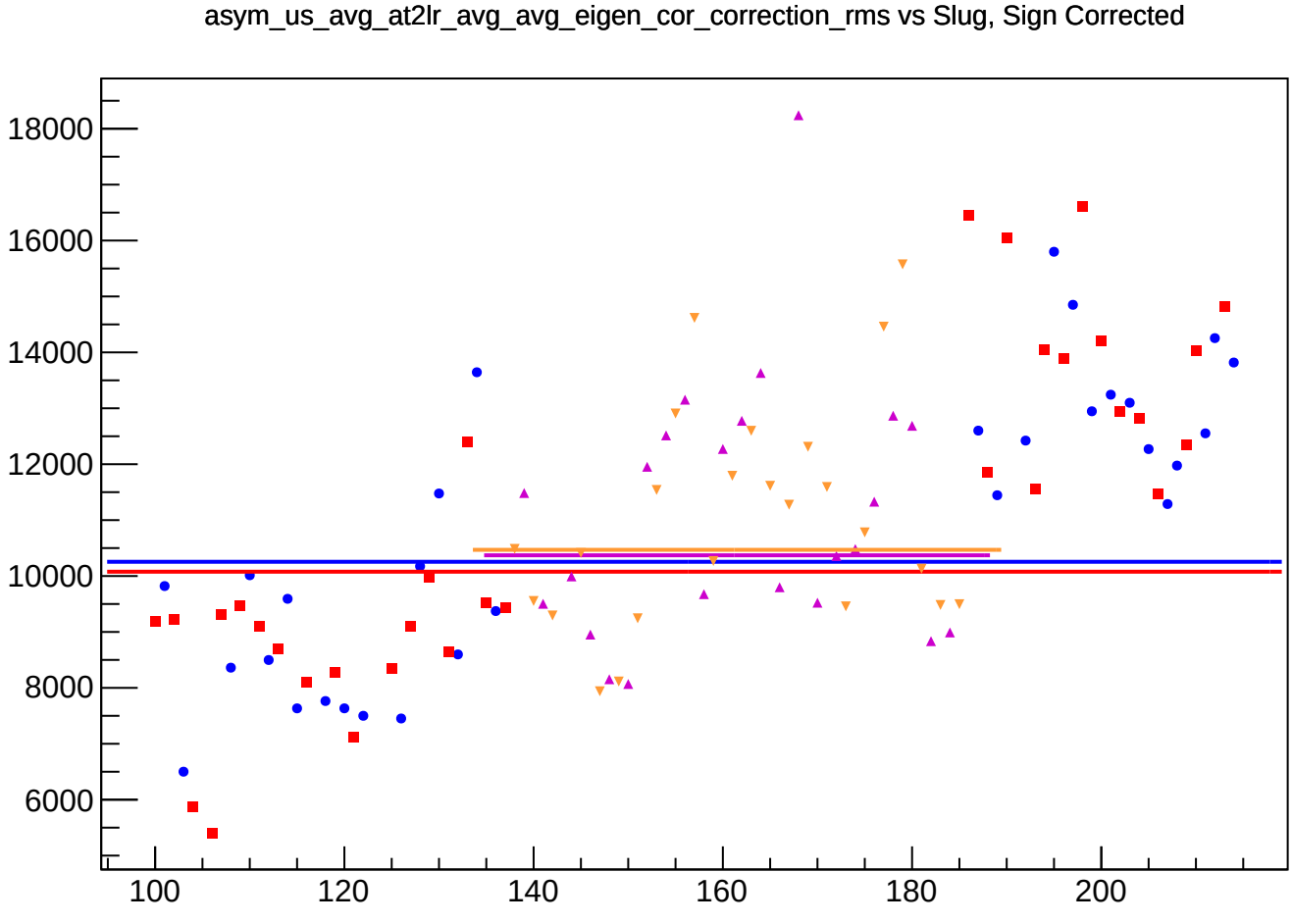
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

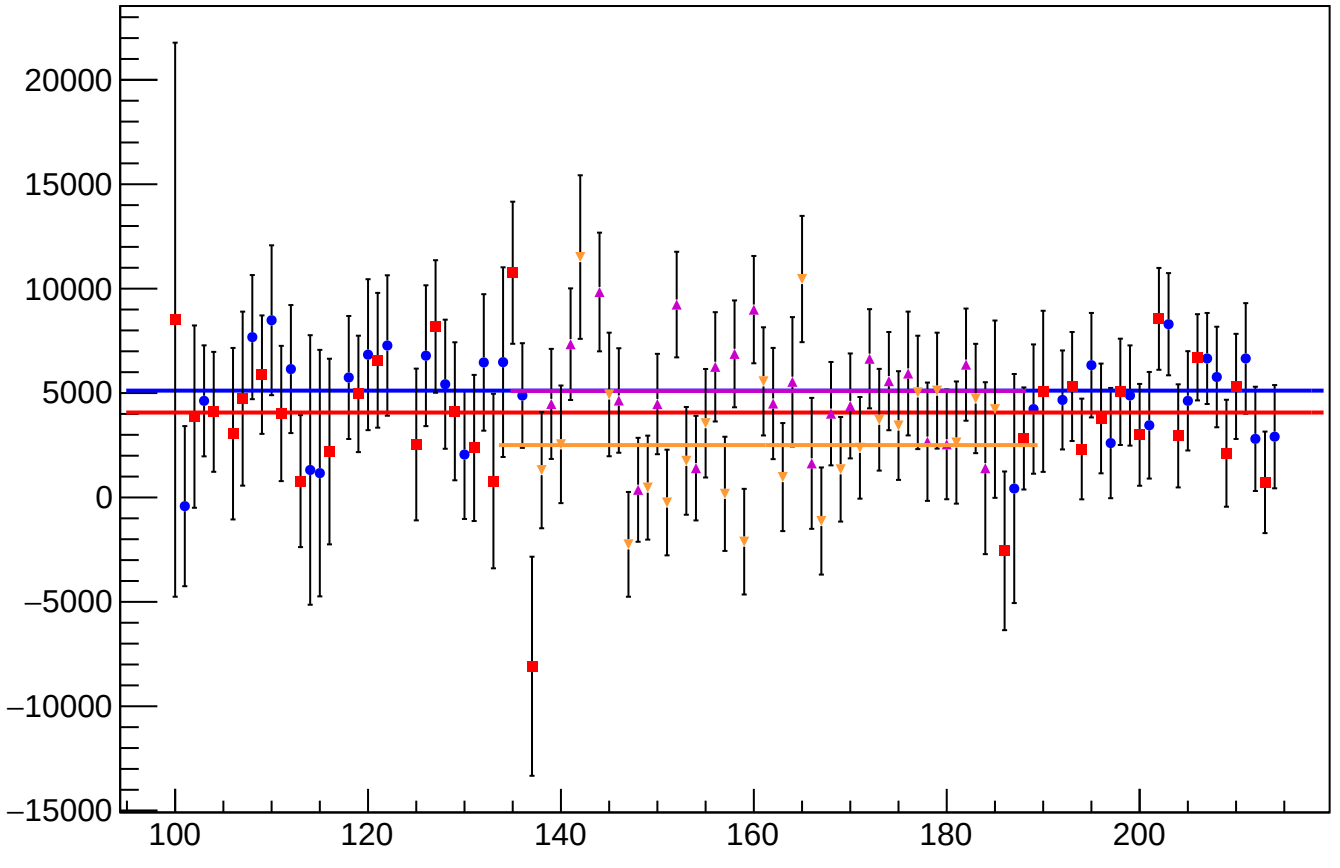
Right: -662.763+/-1739.190 χ^2/NDF: 73.0/61

In: 296.728+/-1749.286 χ^2/NDF:47.0/52

Out: -1458.679+/-1740.903 χ^2/NDF:68.7/55

All: -585.192+/-1233.958 χ^2/NDF: 116.2/108


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 10254.881+/-1.751 χ²/NDF: 2136667.6/29
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 10077.495+/-1.727 χ²/NDF: 2818555.3/31
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 10164.980+/-1.230 χ²/NDF: 4960423.3/61
In: 10313.008+/-1.237 χ²/NDF:3342630.3/52
Out: 10270.030+/-1.231 χ²/NDF:3889052.8/55
All: 10291.416+/-0.873 χ²/NDF: 7232289.7/1



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

Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

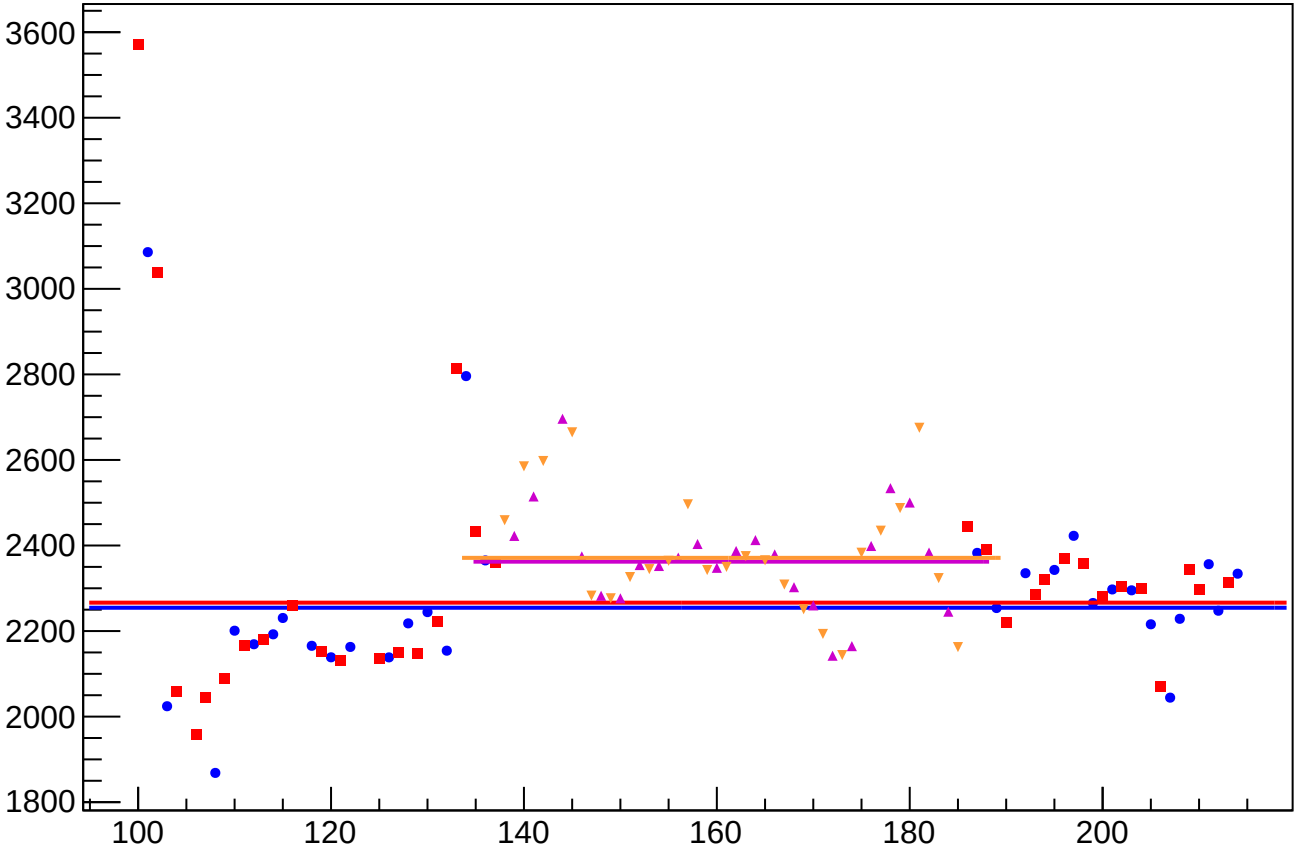
Right: 4593.843+/-374.413 χ^2/NDF: 42.5/61

In: 5110.105+/-382.003 χ^2/NDF:33.5/52

Out: 3319.030+/-382.297 χ^2/NDF:60.9/55

All: 4215.258+/-270.221 χ^2/NDF: 105.3/108

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



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

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

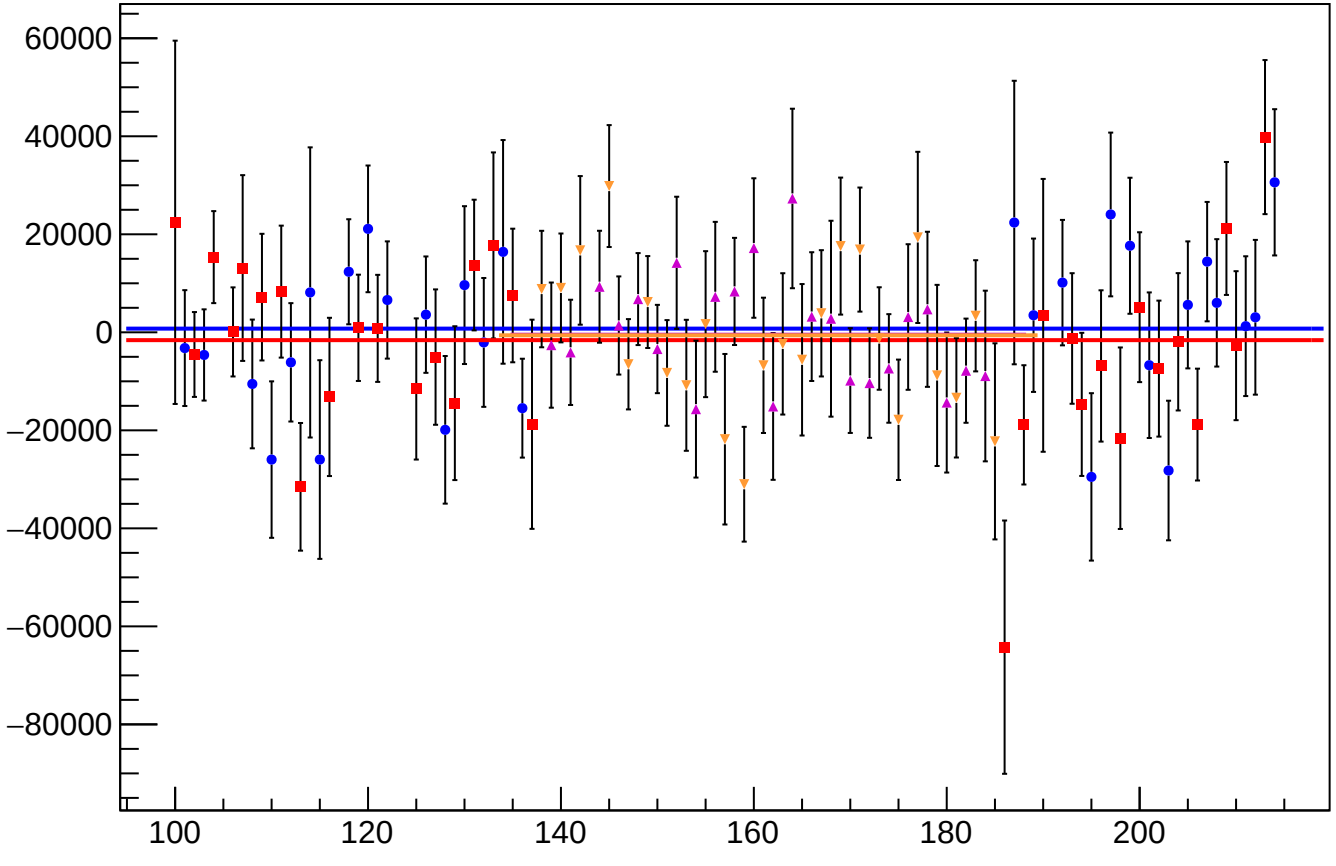
Right: 2260.434+/-0.265 χ^2/NDF: 441587.0/61

In: 2305.981+/-0.270 χ^2/NDF:358395.8/52

Out: 2316.696+/-0.270 χ^2/NDF:368036.9/55

All: 2311.335+/-0.191 χ^2/NDF: 727219.0/108

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



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

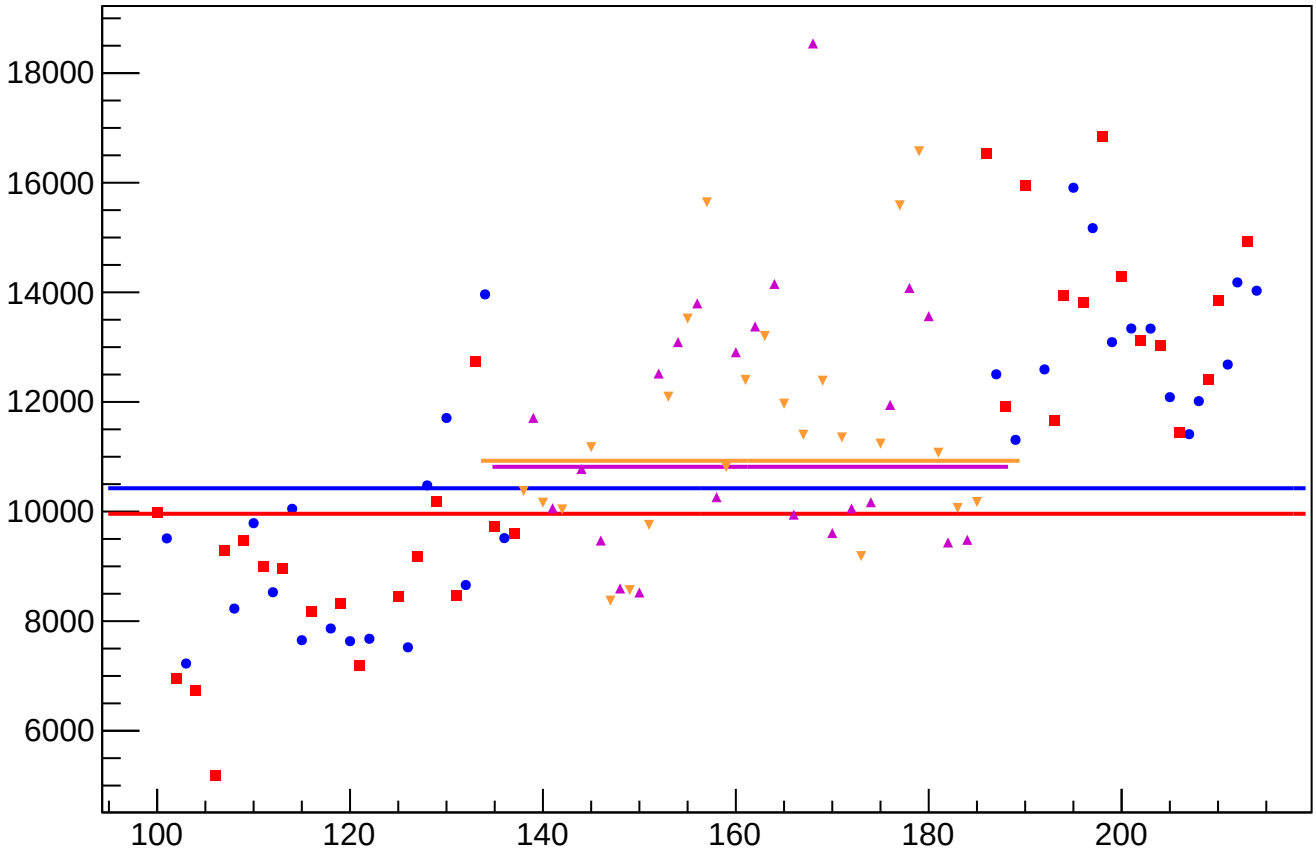
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

Right: -469.819+/-1740.561 χ^2/NDF: 71.9/61

In: 147.451+/-1798.769 χ^2/NDF:46.7/52

Out: -1138.646+/-1765.957 χ^2/NDF:67.4/55

All: -507.435+/-1260.161 χ^2/NDF: 114.3/108



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

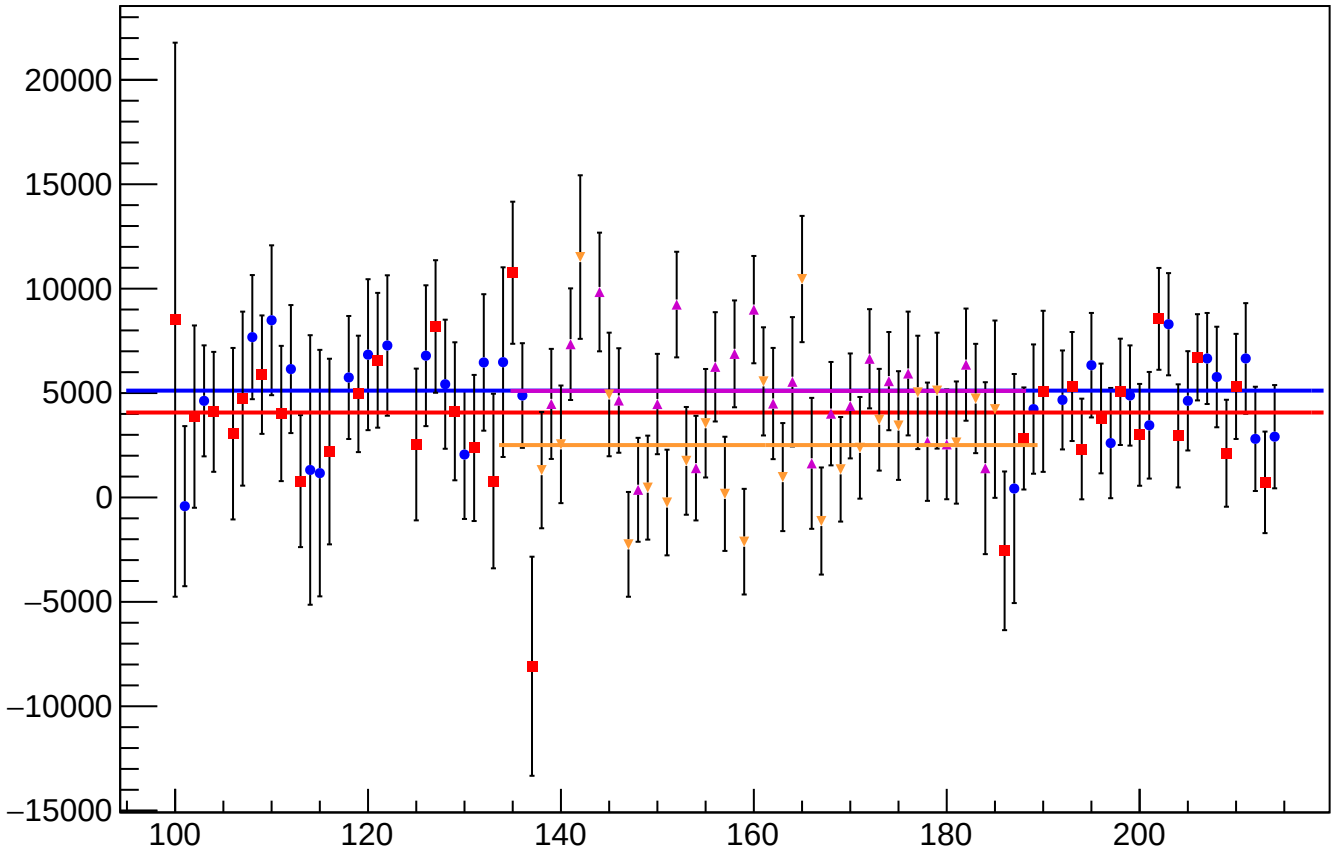
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 10183.200+/-1.231 χ^2/NDF: 5006115.0/61

In: 10615.805+/-1.272 χ^2/NDF:3192168.8/52

Out: 10409.250+/-1.249 χ^2/NDF:4205239.9/55

All: 10510.627+/-0.891 χ^2/NDF: 7410837.6/1



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

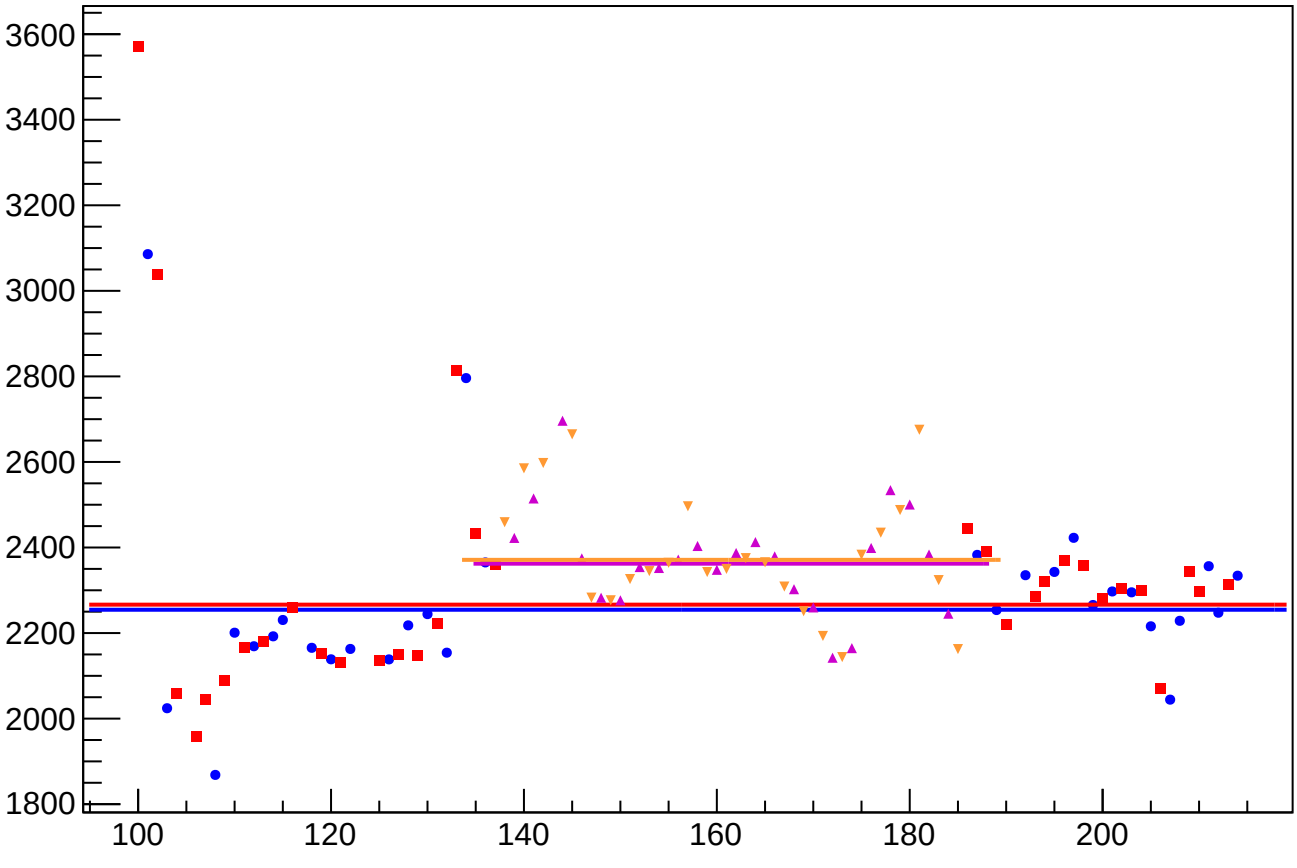
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4593.839+/-374.413 χ^2/NDF: 42.5/61

In: 5110.104+/-382.003 χ^2/NDF:33.5/52

Out: 3319.023+/-382.297 χ^2/NDF:60.9/55

All: 4215.254+/-270.221 χ^2/NDF: 105.3/108



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

Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

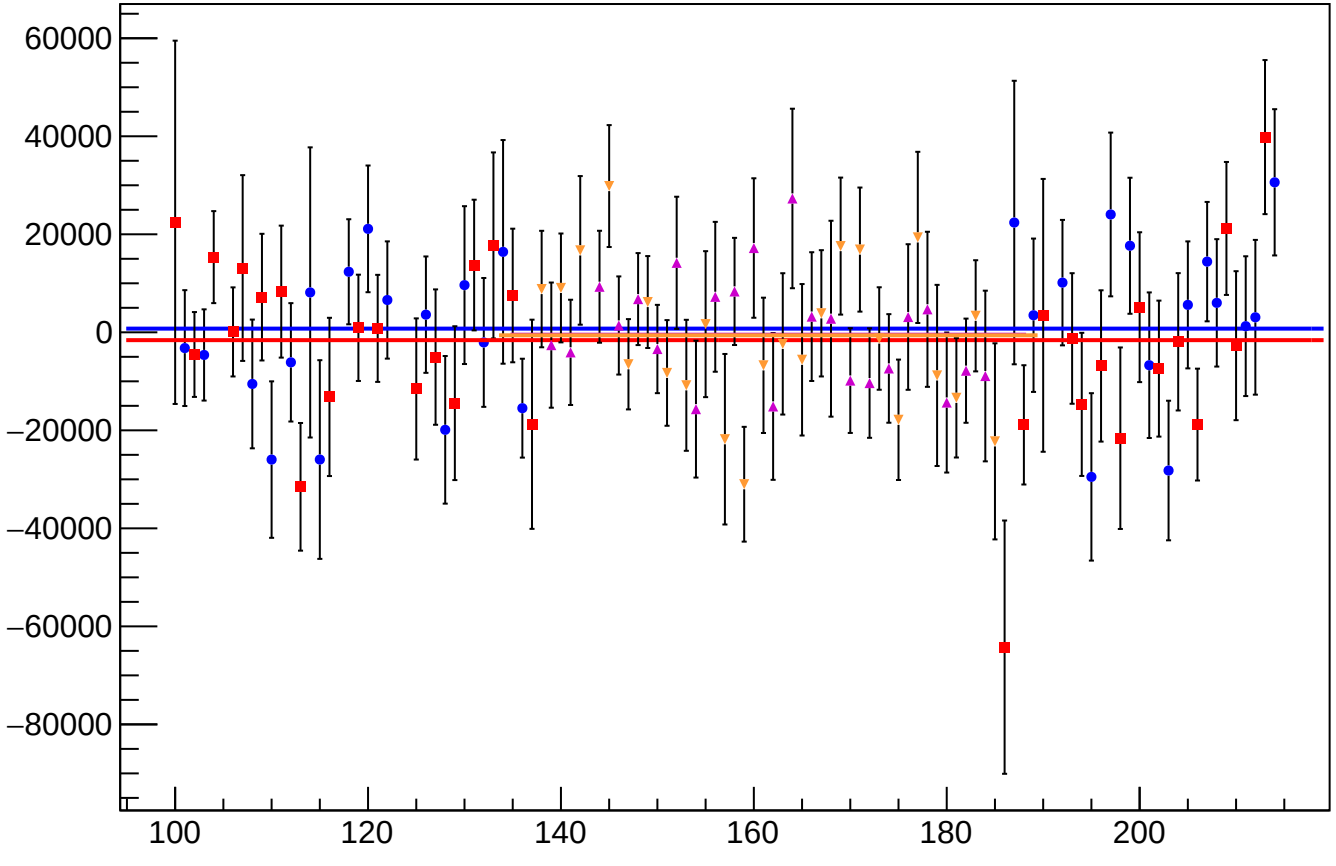
Right: 2260.434+/-0.265 χ^2/NDF: 441587.8/61

In: 2305.982+/-0.270 χ^2/NDF:358403.2/52

Out: 2316.697+/-0.270 χ^2/NDF:368044.1/55

All: 2311.336+/-0.191 χ^2/NDF: 727233.6/108

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

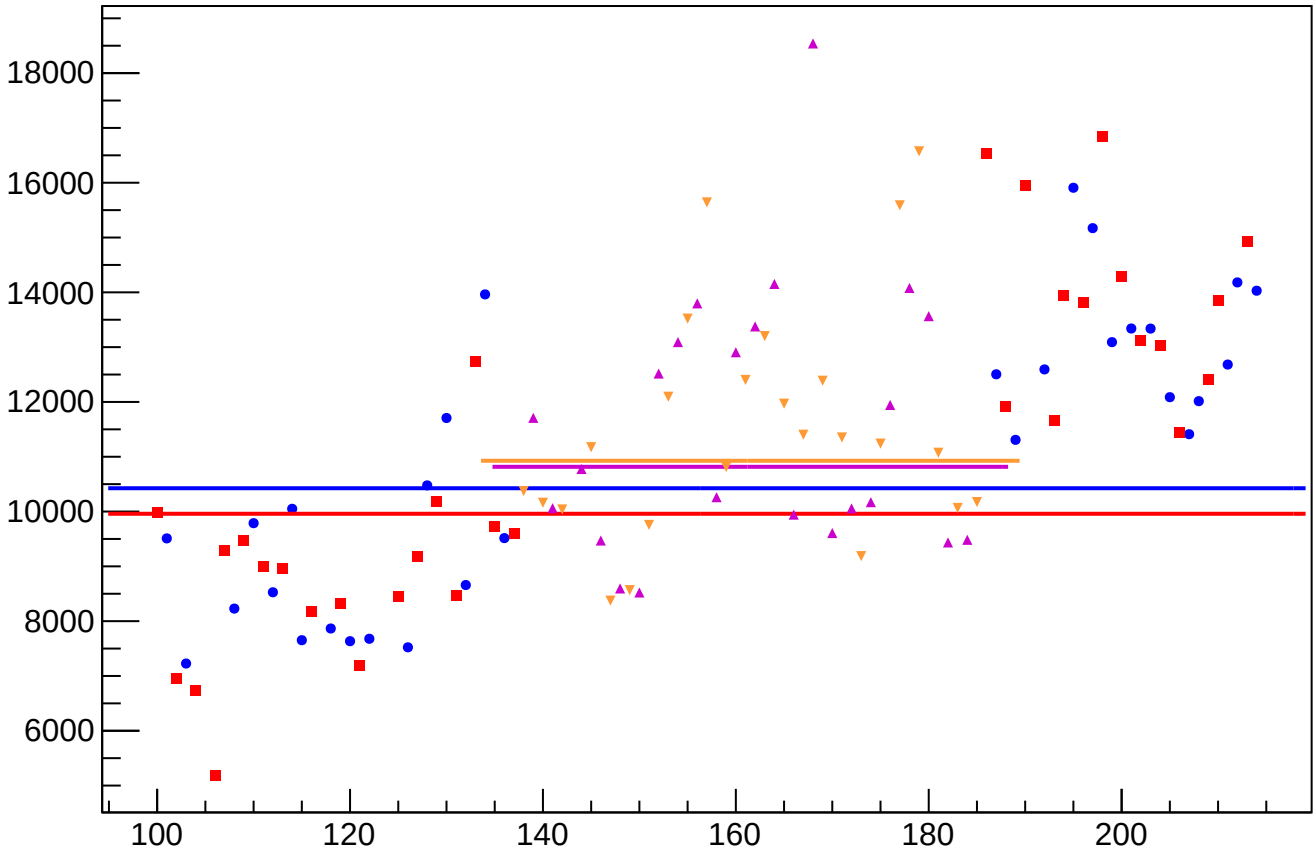
Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

Right: -469.812+/-1740.560 χ^2/NDF: 71.9/61

In: 147.453+/-1798.770 χ^2/NDF:46.7/52

Out: -1138.646+/-1765.957 χ^2/NDF:67.4/55

All: -507.434+/-1260.161 χ^2/NDF: 114.3/108



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

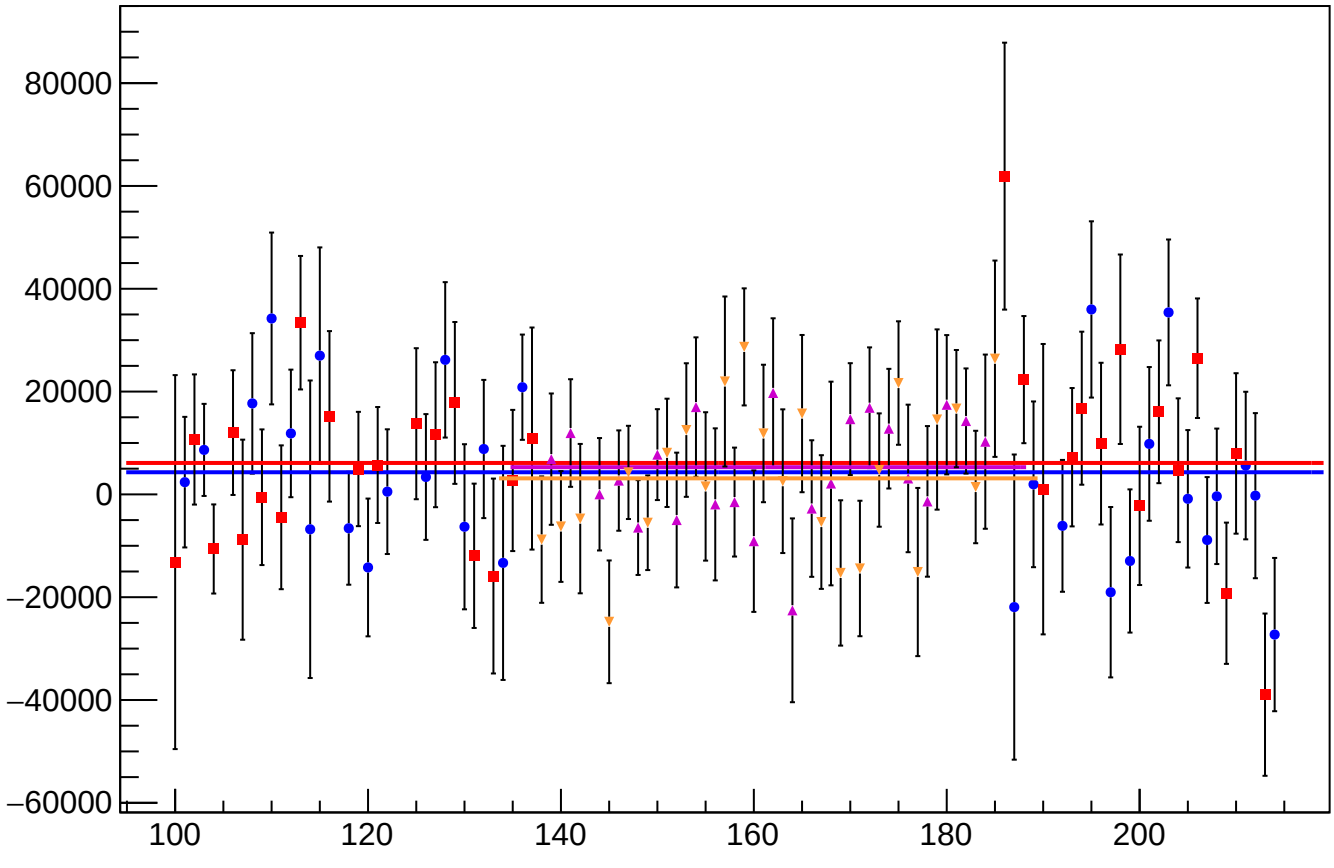
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 10183.188+/-1.231 χ^2/NDF: 5006174.2/61

In: 10615.807+/-1.272 χ^2/NDF:3192207.5/52

Out: 10409.251+/-1.249 χ^2/NDF:4205278.7/55

All: 10510.628+/-0.891 χ^2/NDF: 7410915.4/1



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

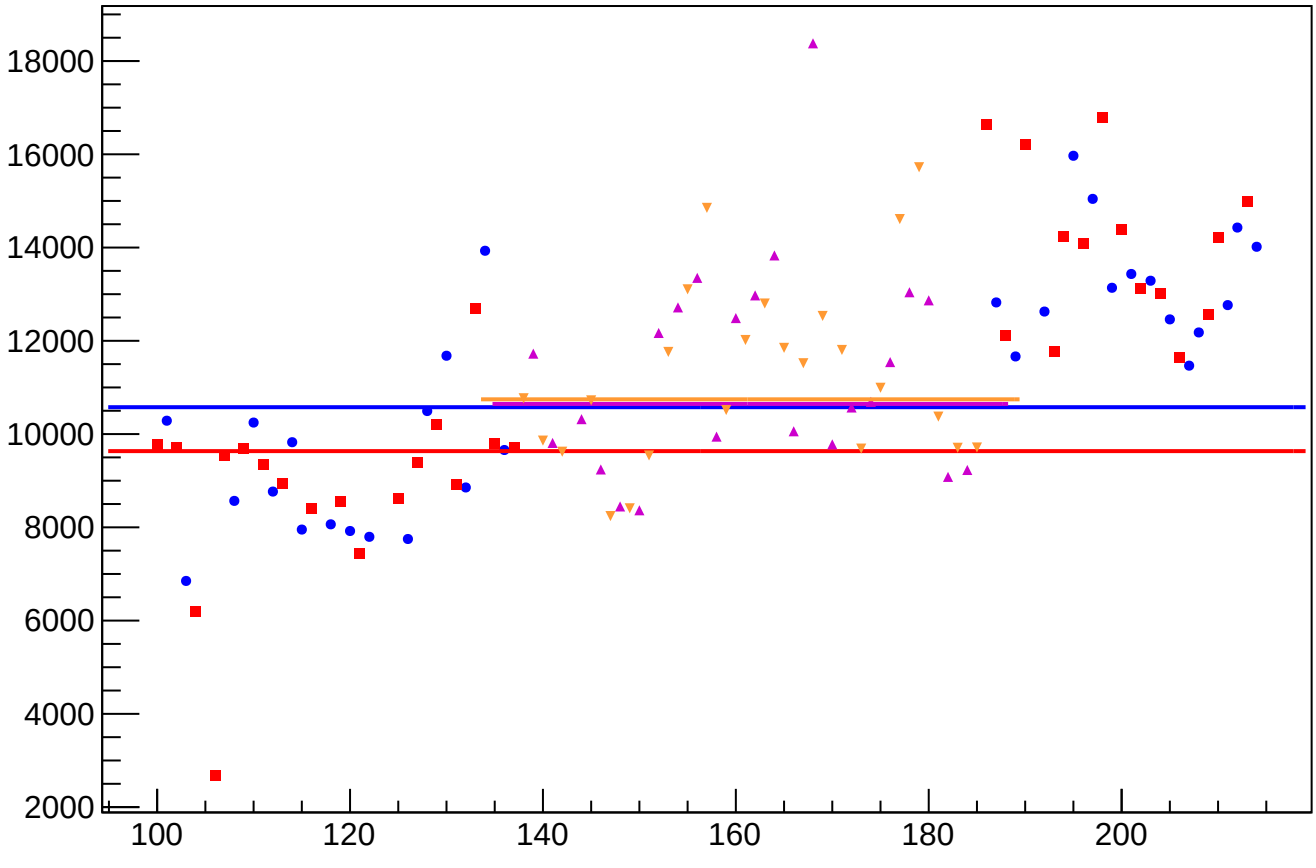
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 5217.786+/-1793.674 χ^2/NDF: 73.0/61

In: 4800.695+/-1796.197 χ^2/NDF:47.7/52

Out: 4627.155+/-1792.058 χ^2/NDF:66.6/55

All: 4713.725+/-1268.637 χ^2/NDF: 114.3/108



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

Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

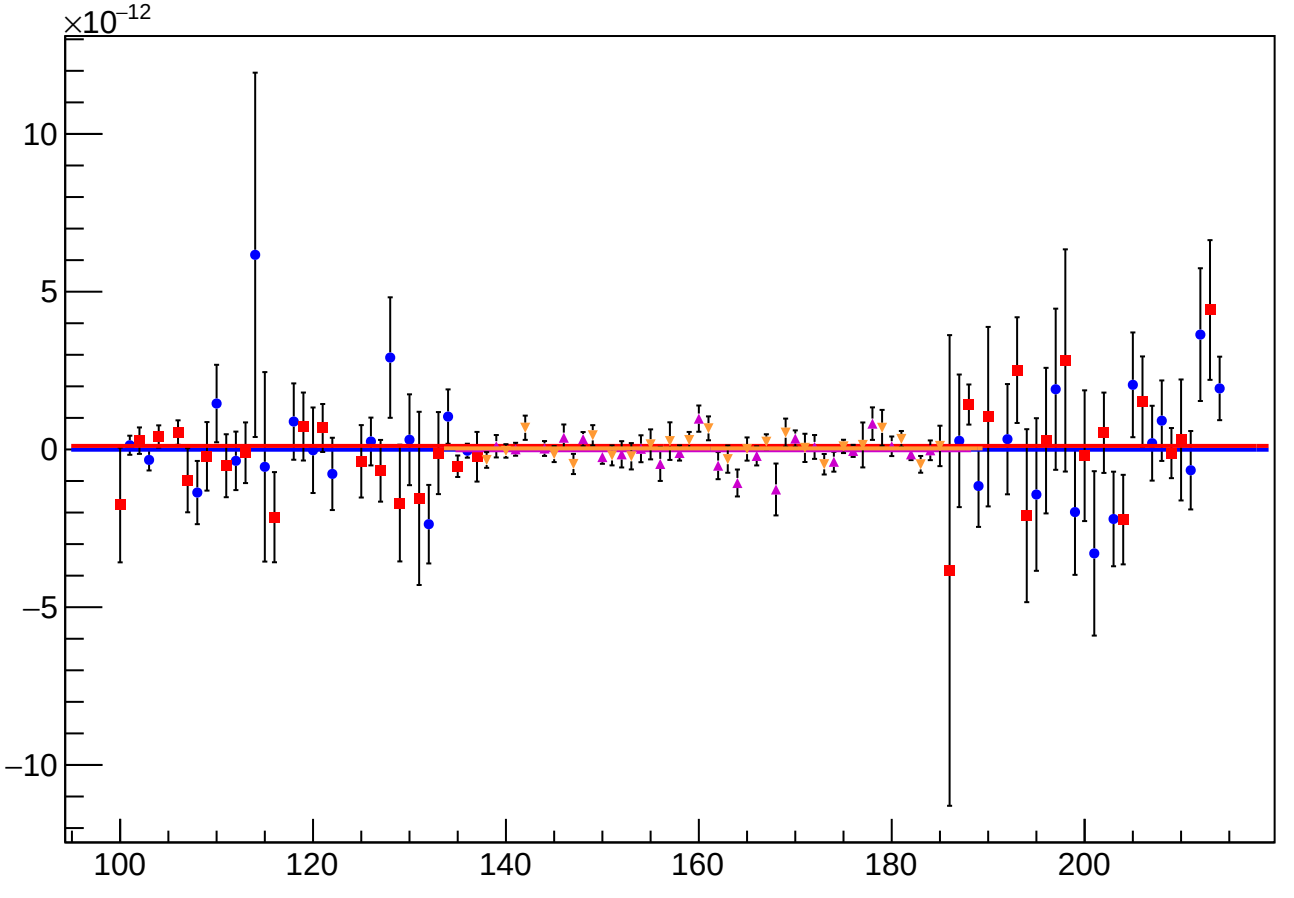
Right: 10079.691+/-1.238 χ^2/NDF: 6744226.1/61

In: 10611.707+/-1.270 χ^2/NDF:3054233.3/52

Out: 10160.453+/-1.237 χ^2/NDF:5826138.8/55

All: 10380.159+/-0.886 χ^2/NDF: 8945144.0/1

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

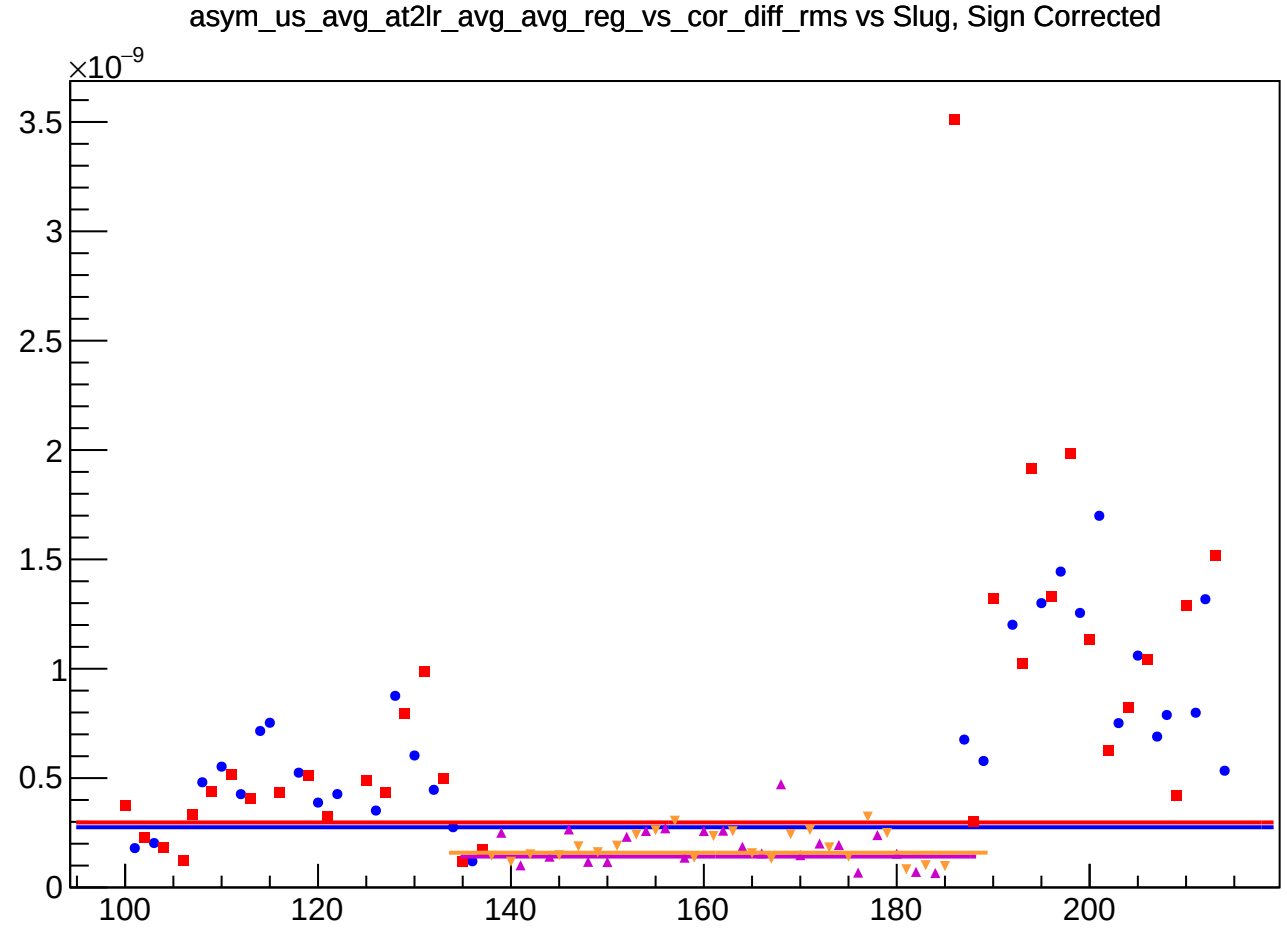
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 60.1/61

In: -0.000+/-0.000 χ^2/NDF:57.8/52

Out: 0.000+/-0.000 χ^2/NDF:56.3/55

All: 0.000+/-0.000 χ^2/NDF: 114.8/108



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

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

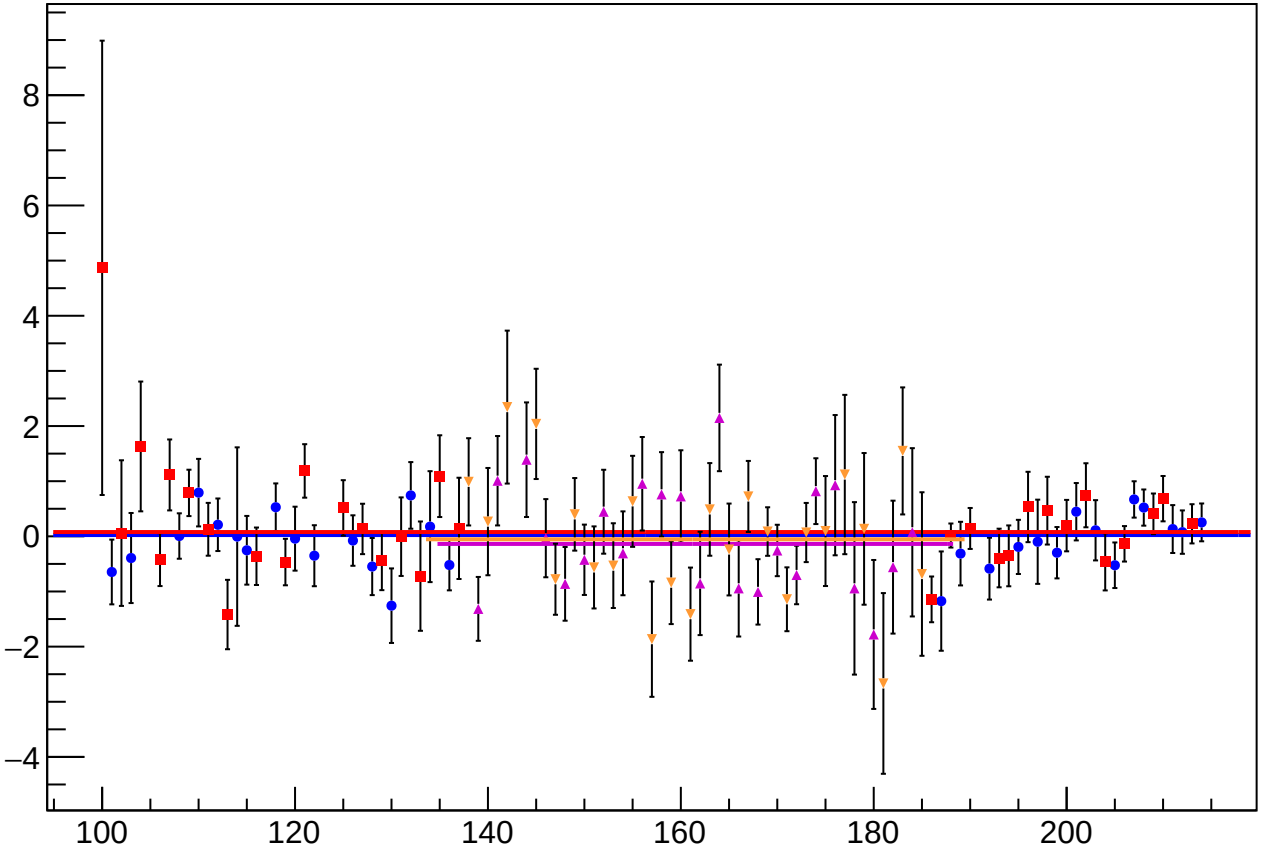
Right: 0.000+/-0.000 χ^2/NDF: 13861445.9/61

In: 0.000+/-0.000 χ^2/NDF:10929640.7/52

Out: 0.000+/-0.000 χ^2/NDF:9785020.5/55

All: 0.000+/-0.000 χ^2/NDF: 20817120.4/108

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

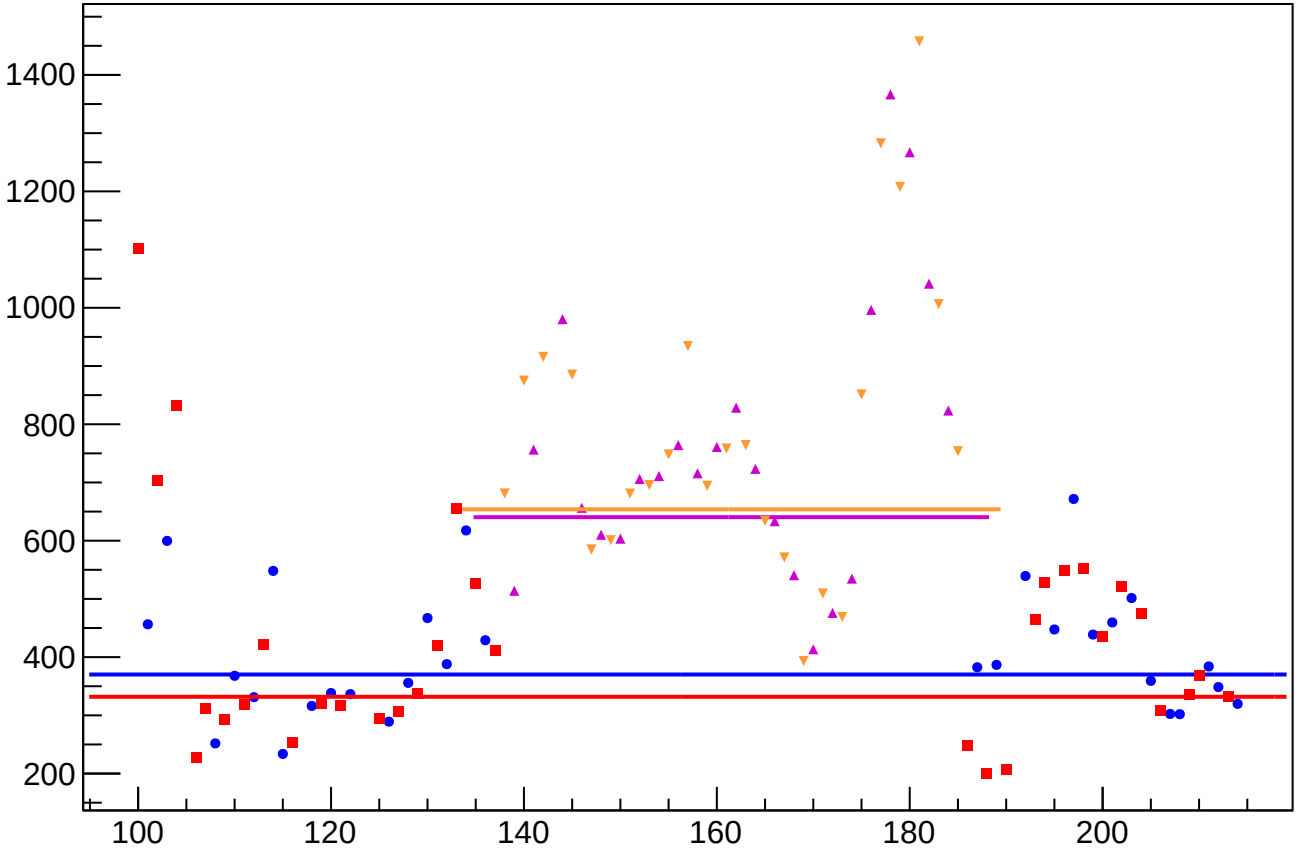
Right: 0.053+/-0.062 χ^2/NDF: 70.6/61

In: -0.017+/-0.079 χ^2/NDF:56.9/52

Out: 0.050+/-0.075 χ^2/NDF:75.0/55

All: 0.018+/-0.054 χ^2/NDF: 132.2/108

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

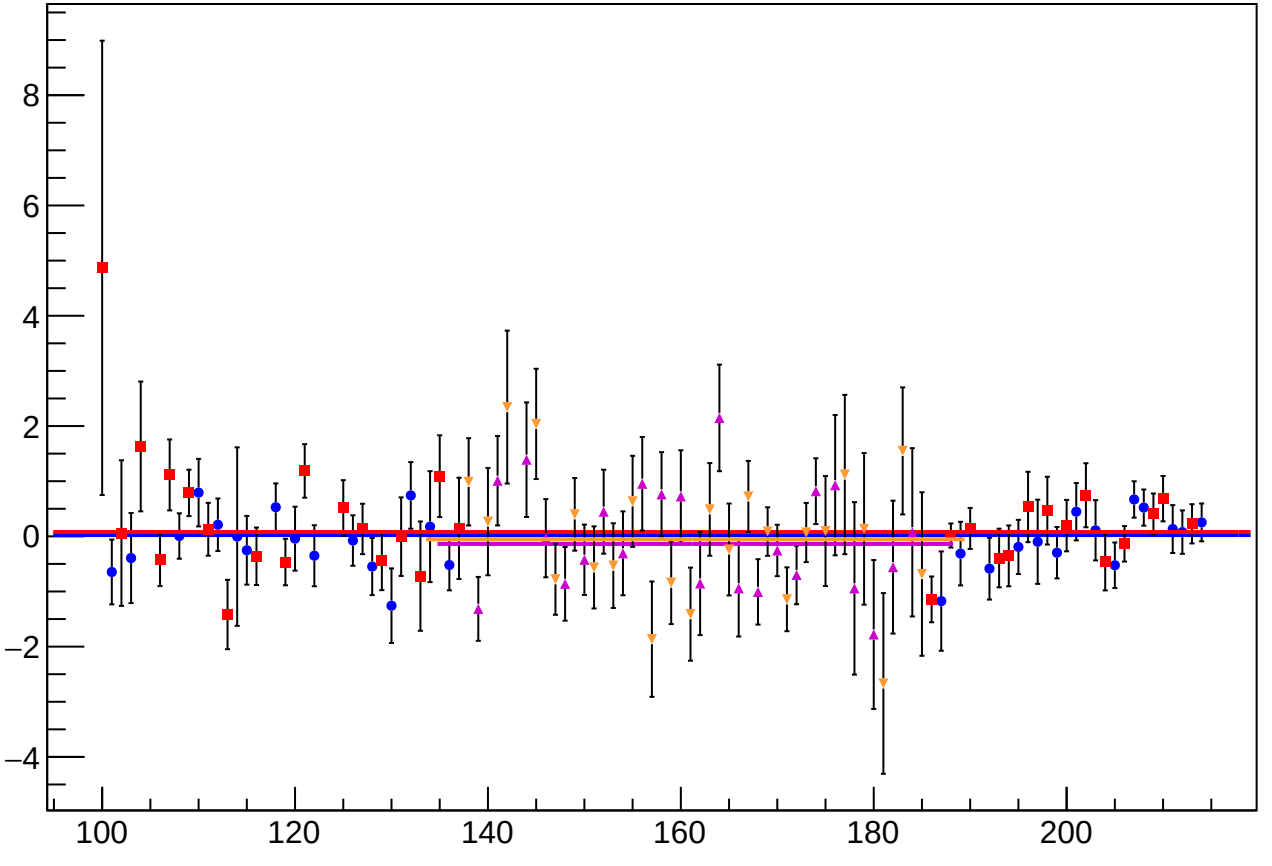
Right: 349.565+/-0.044 χ^2/NDF: 5588842.5/61

In: 437.590+/-0.056 χ^2/NDF:8838427.3/52

Out: 400.989+/-0.053 χ^2/NDF:12990449.4/55

All: 418.301+/-0.038 χ^2/NDF: 22055900.1/10

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

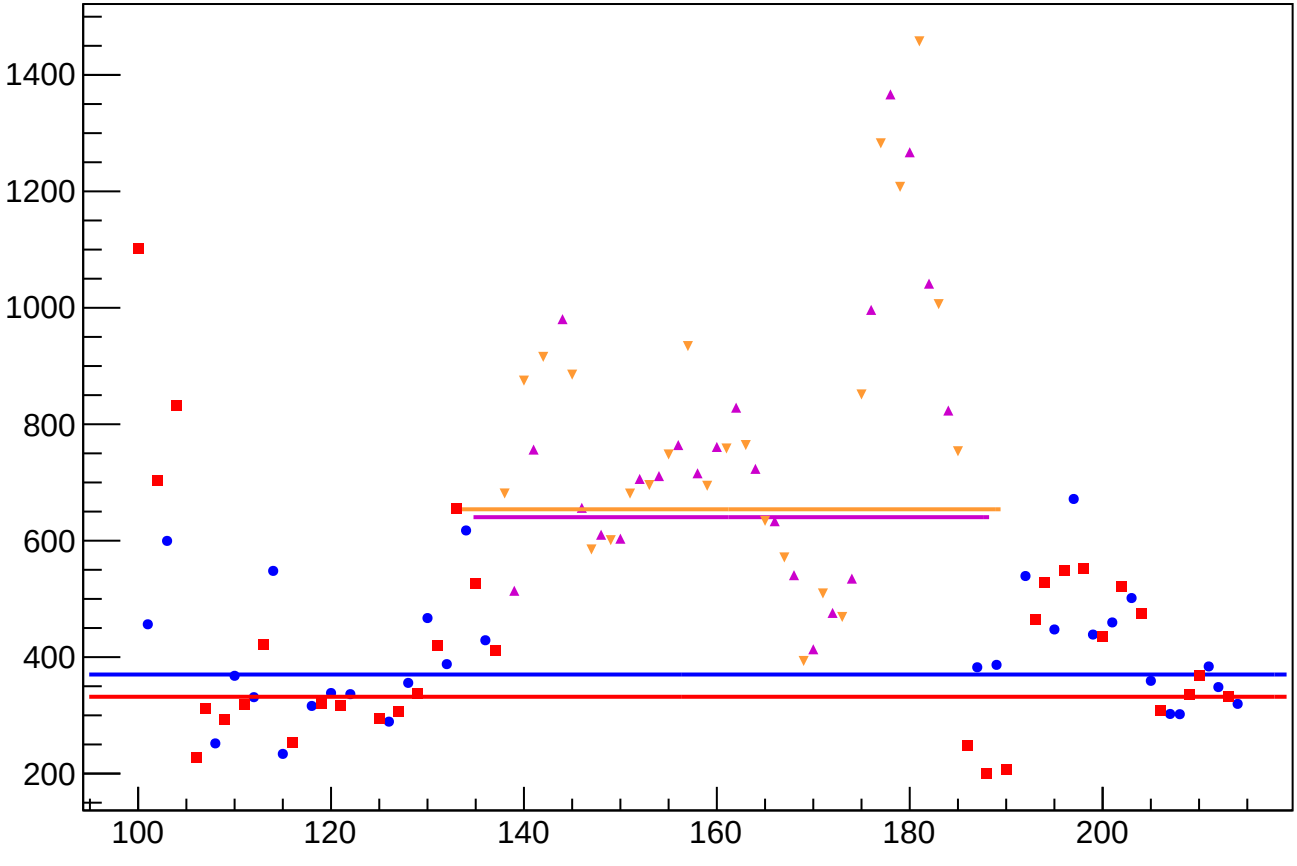
Right: 0.053+/-0.062 χ^2/NDF: 70.6/61

In: -0.017+/-0.079 χ^2/NDF:56.9/52

Out: 0.050+/-0.075 χ^2/NDF:75.0/55

All: 0.018+/-0.054 χ^2/NDF: 132.2/108

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

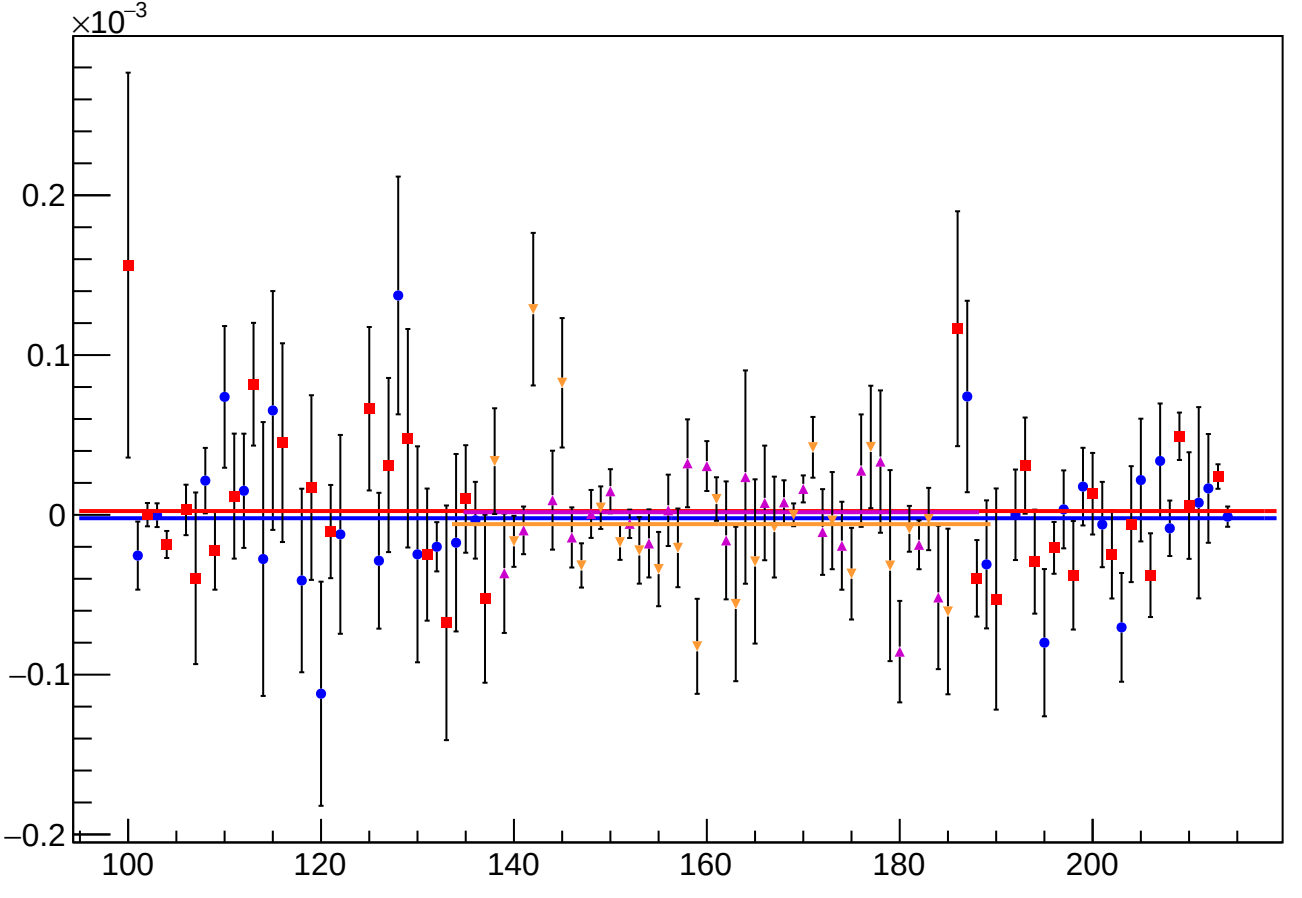
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 349.565+/-0.044 χ^2/NDF: 5588842.5/61

In: 437.590+/-0.056 χ^2/NDF:8838427.3/52

Out: 400.989+/-0.053 χ^2/NDF:12990449.4/55

All: 418.301+/-0.038 χ^2/NDF: 22055900.1/10



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

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

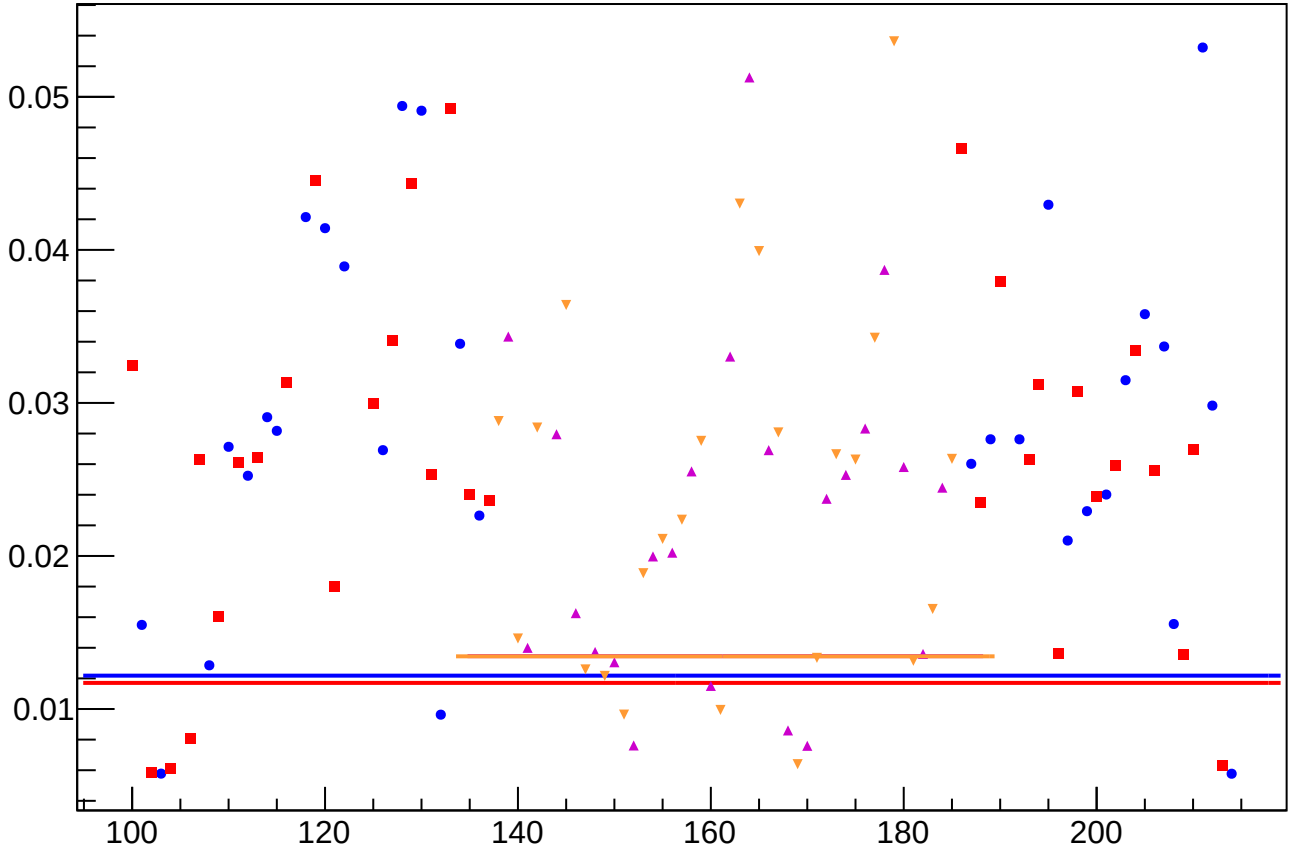
Right: 0.000+/-0.000 χ^2/NDF: 79.6/61

In: -0.000+/-0.000 χ^2/NDF:52.8/52

Out: -0.000+/-0.000 χ^2/NDF:97.3/55

All: -0.000+/-0.000 χ^2/NDF: 150.2/108

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

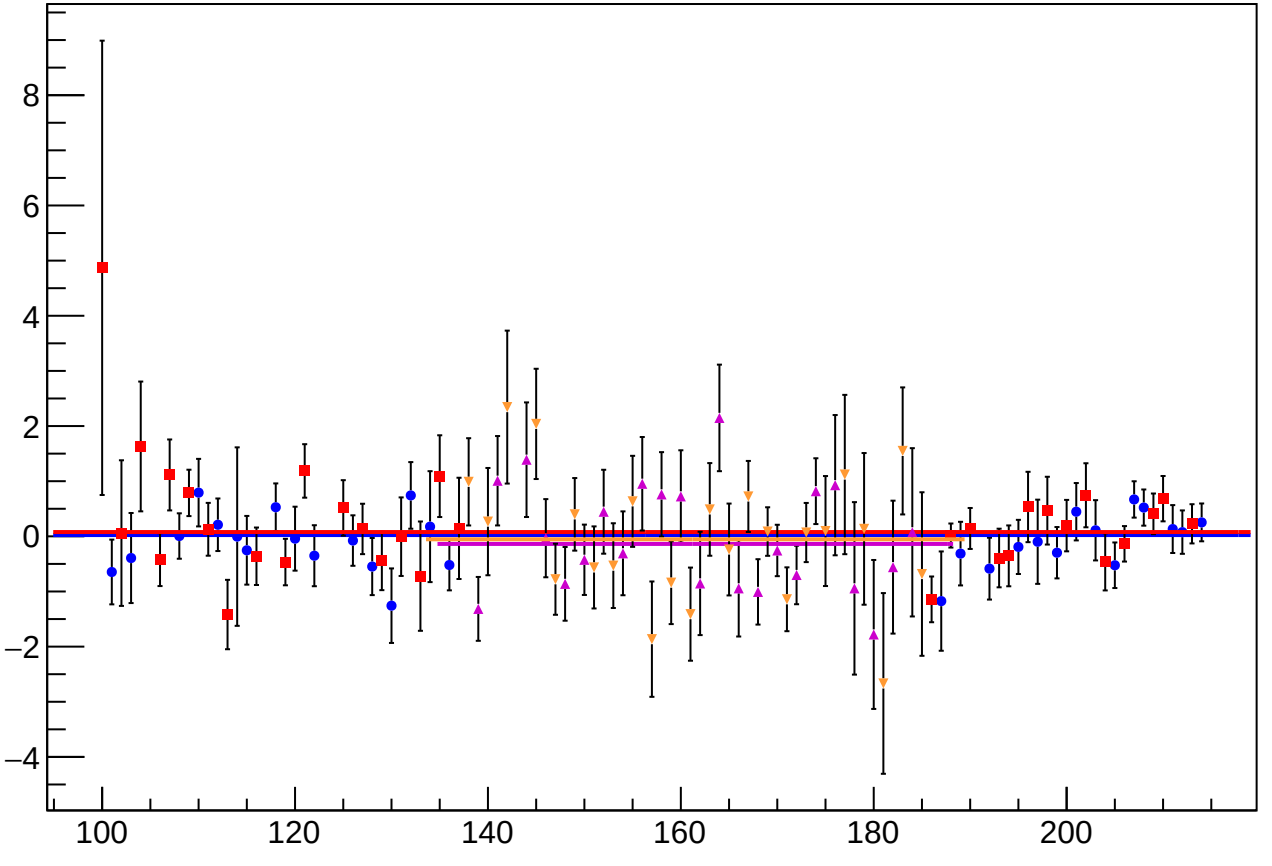
Right: 0.012+/-0.000 χ^2/NDF: 27165283.8/61

In: 0.013+/-0.000 χ^2/NDF:21852225.7/52

Out: 0.013+/-0.000 χ^2/NDF:22048209.9/55

All: 0.013+/-0.000 χ^2/NDF: 43913297.9/108

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

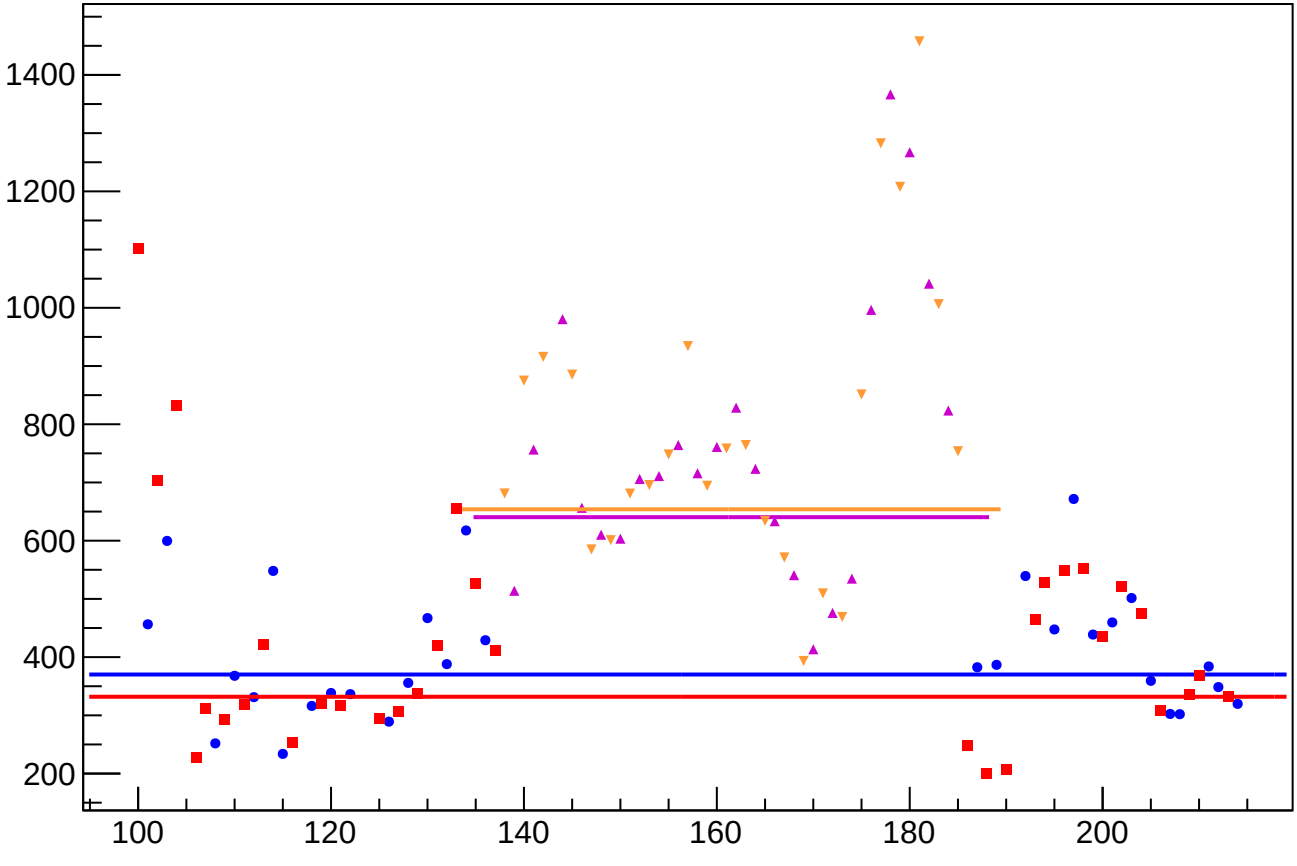
Right: 0.053+/-0.062 χ^2/NDF: 70.6/61

In: -0.017+/-0.079 χ^2/NDF:56.9/52

Out: 0.050+/-0.075 χ^2/NDF:75.0/55

All: 0.018+/-0.054 χ^2/NDF: 132.2/108

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

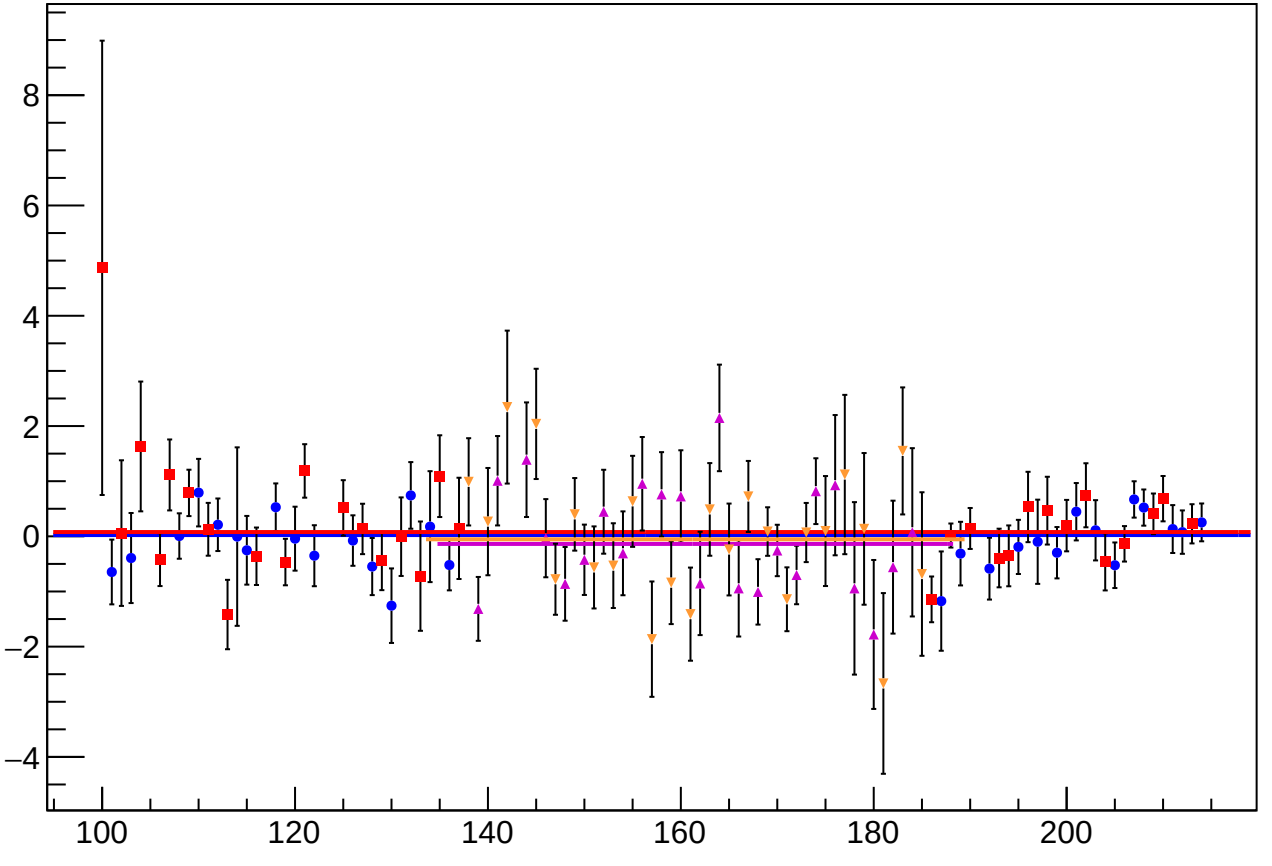
Right: 349.562+/-0.044 χ^2/NDF: 5589098.9/61

In: 437.590+/-0.056 χ^2/NDF:8838619.0/52

Out: 400.983+/-0.053 χ^2/NDF:12991095.4/55

All: 418.298+/-0.038 χ^2/NDF: 22056810.2/10

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

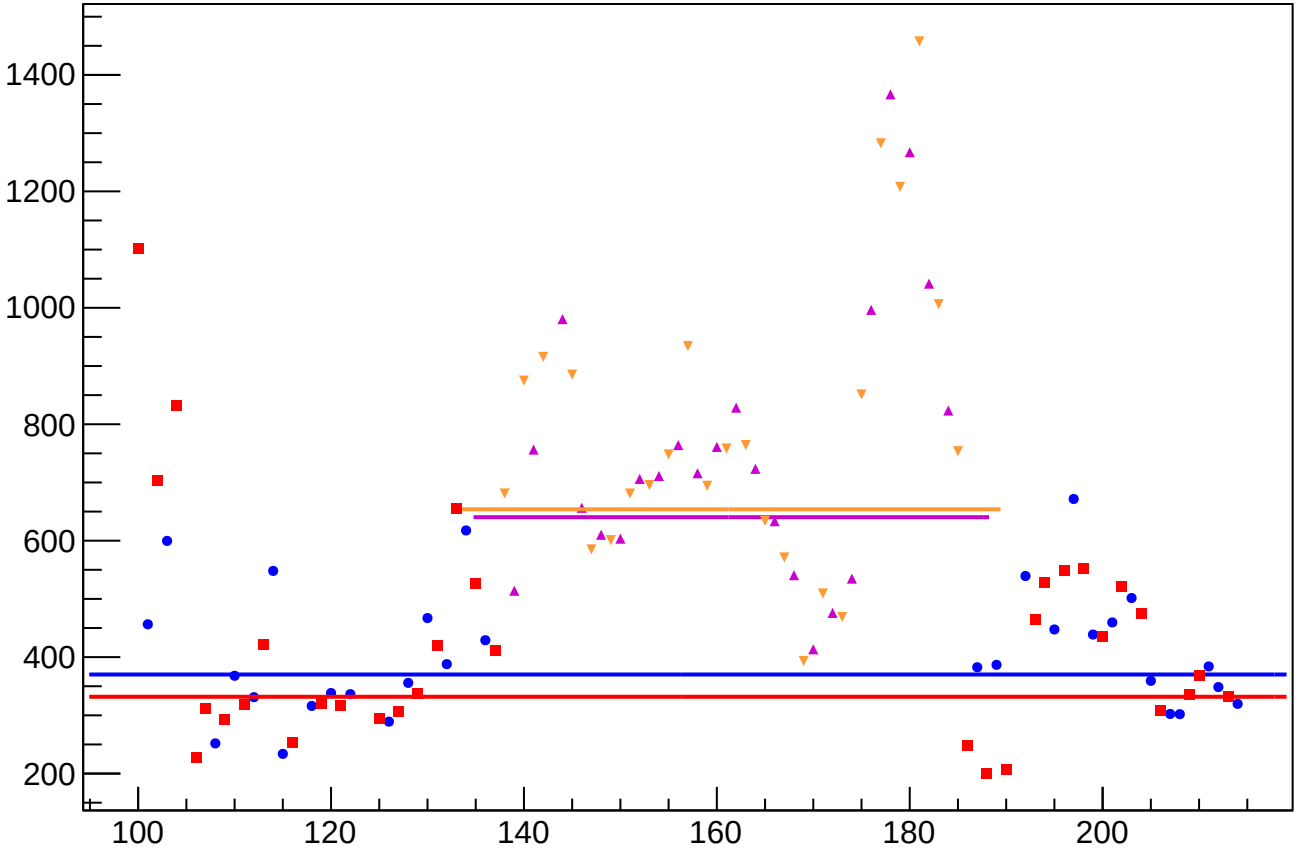
Right: 0.053+/-0.062 χ^2/NDF: 70.6/61

In: -0.017+/-0.079 χ^2/NDF:56.9/52

Out: 0.050+/-0.075 χ^2/NDF:75.0/55

All: 0.018+/-0.054 χ^2/NDF: 132.2/108

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

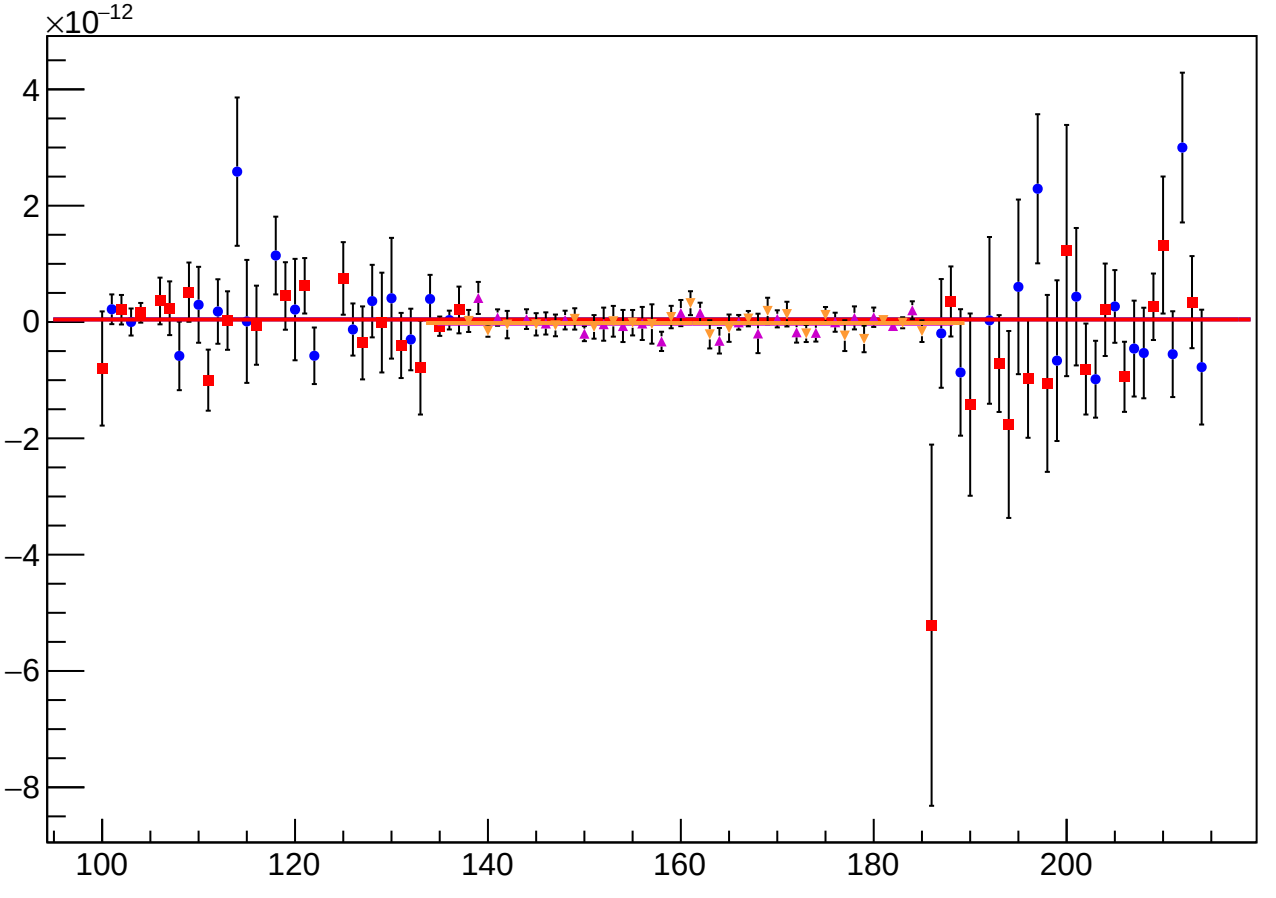
Right: 349.562+/-0.044 χ^2/NDF: 5589098.9/61

In: 437.590+/-0.056 χ^2/NDF:8838619.0/52

Out: 400.983+/-0.053 χ^2/NDF:12991095.4/55

All: 418.298+/-0.038 χ^2/NDF: 22056810.2/10

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

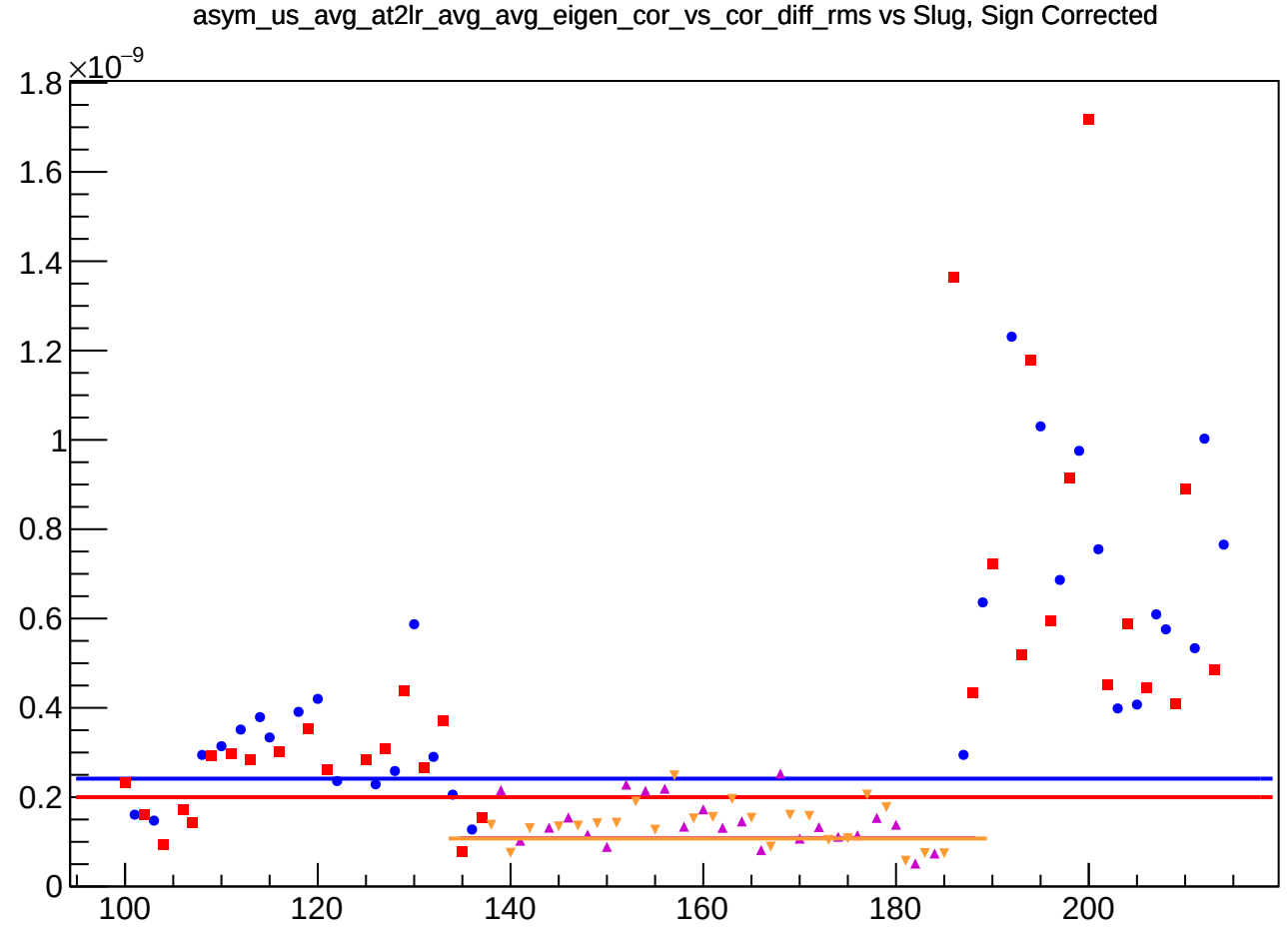
Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

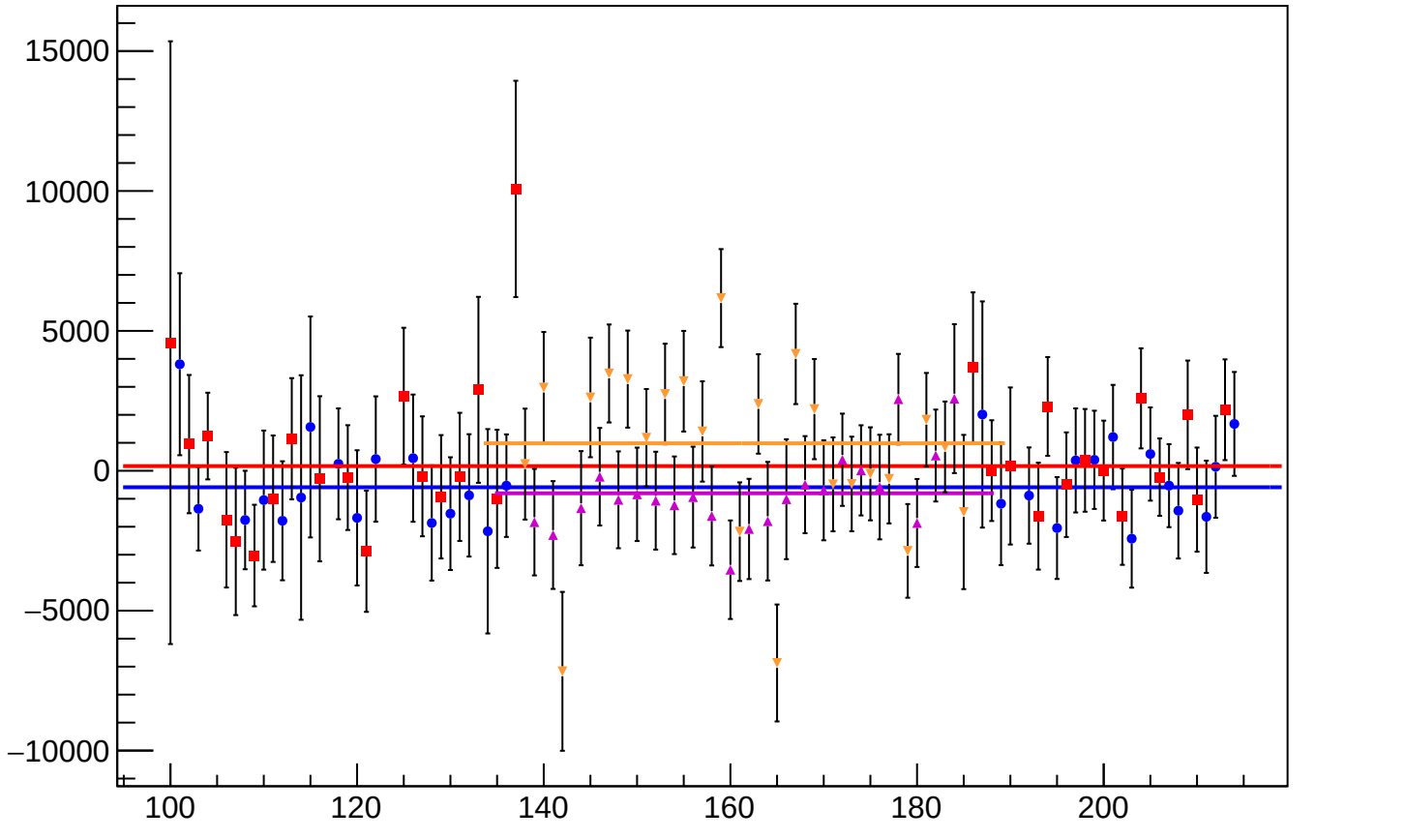
Right: 0.000+/-0.000 χ^2/NDF: 52.8/61

In: -0.000+/-0.000 χ^2/NDF:44.8/52

Out: -0.000+/-0.000 χ^2/NDF:40.1/55

All: -0.000+/-0.000 χ^2/NDF: 84.9/108


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 7671028.0/29
Left Out: 0.000+/-0.000 χ²/NDF:3452023.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 8541834.3/31
Left In: 0.000+/-0.000 χ²/NDF:3869719.7/22
Left: 0.000+/-0.000 χ²/NDF: 7322414.2/46
Right: 0.000+/-0.000 χ²/NDF: 16450235.5/61
In: 0.000+/-0.000 χ²/NDF:15399853.4/52
Out: 0.000+/-0.000 χ²/NDF:14254776.3/55
All: 0.000+/-0.000 χ²/NDF: 29666748.9/108



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

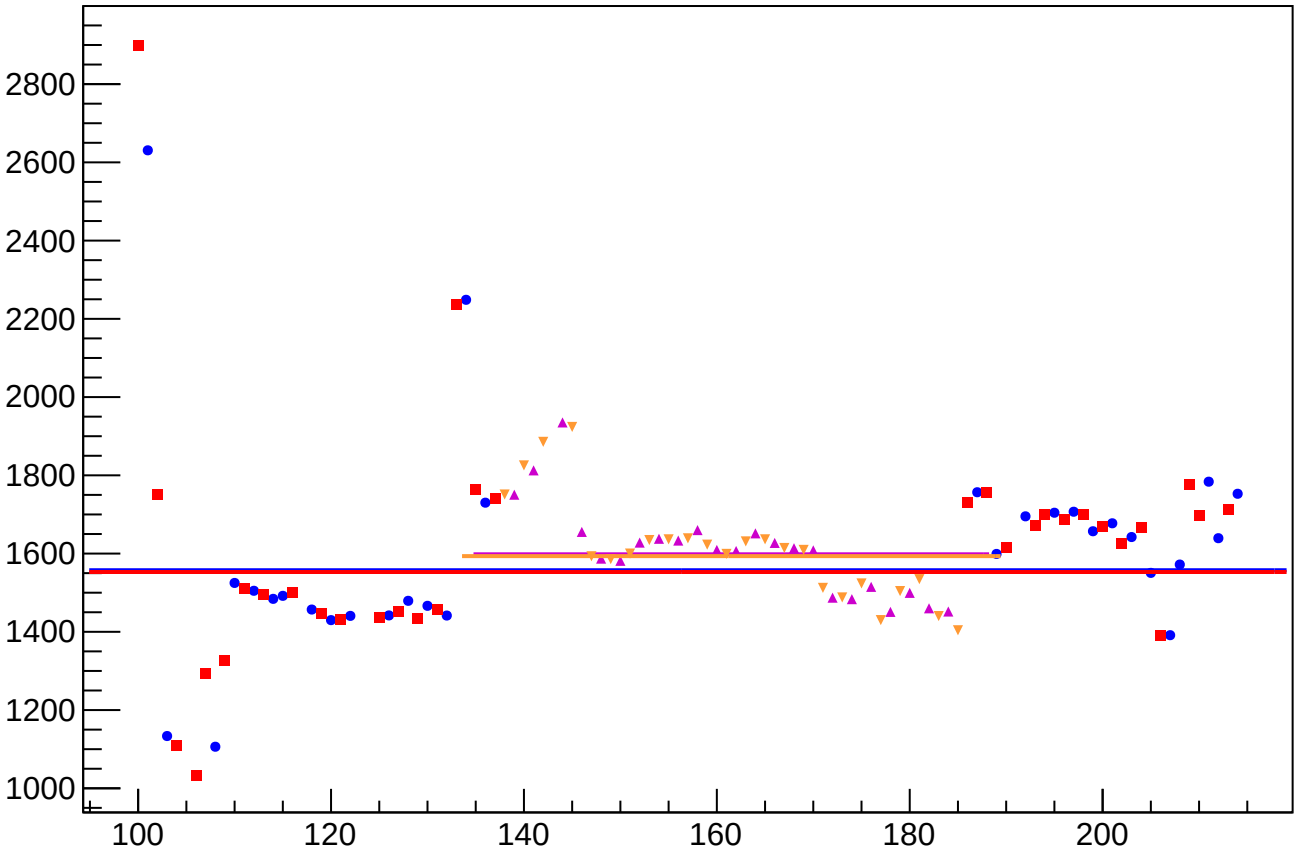
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -209.449+/-259.813 χ^2/NDF: 40.0/61

In: -694.810+/-262.362 χ^2/NDF:23.8/52

Out: 570.148+/-260.780 χ^2/NDF:84.6/55

All: -58.506+/-184.956 χ^2/NDF: 120.1/108



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

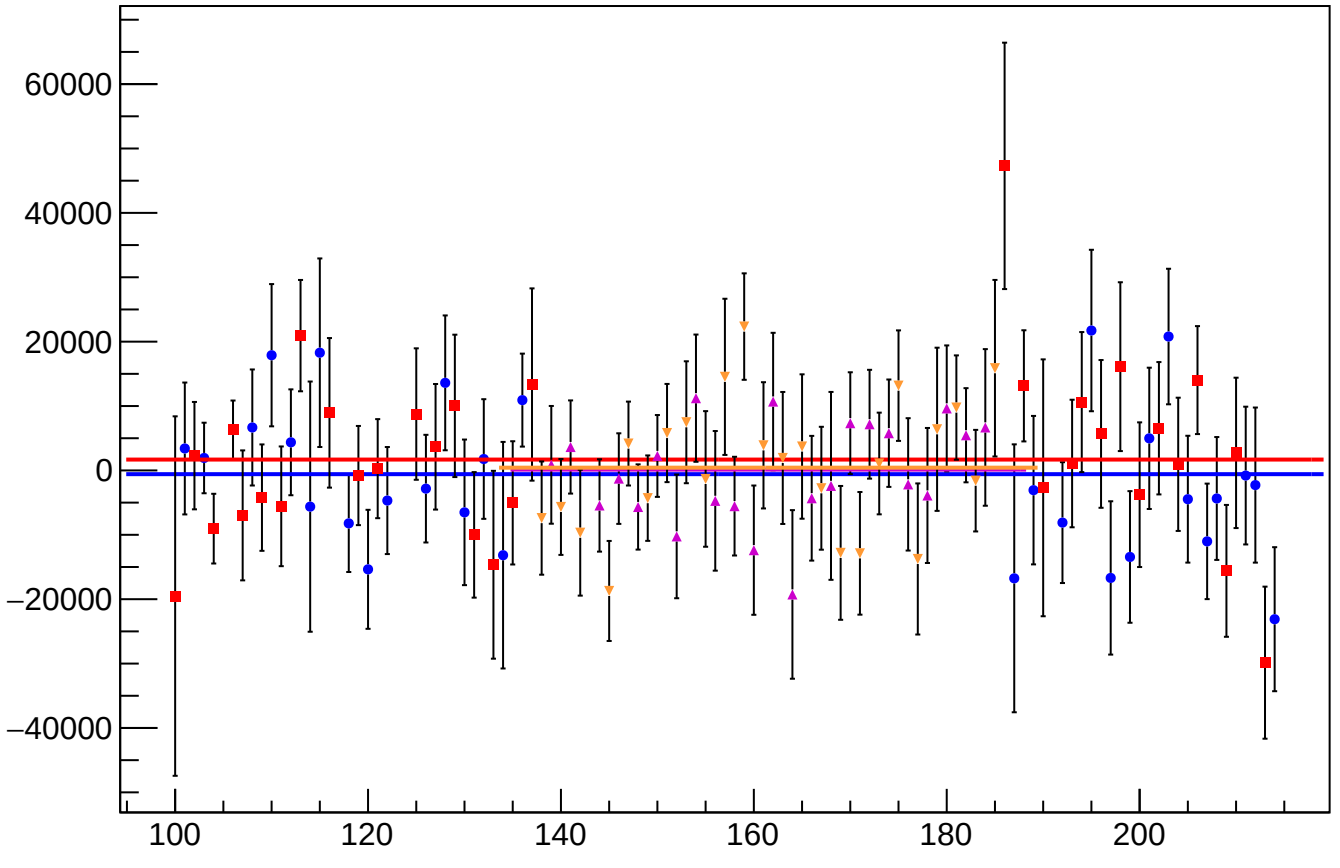
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1555.153+/-0.183 χ^2/NDF: 1475040.7/61

In: 1577.444+/-0.186 χ^2/NDF:958454.5/52

Out: 1572.905+/-0.184 χ^2/NDF:897371.7/55

All: 1575.157+/-0.131 χ^2/NDF: 1856127.9/10



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

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

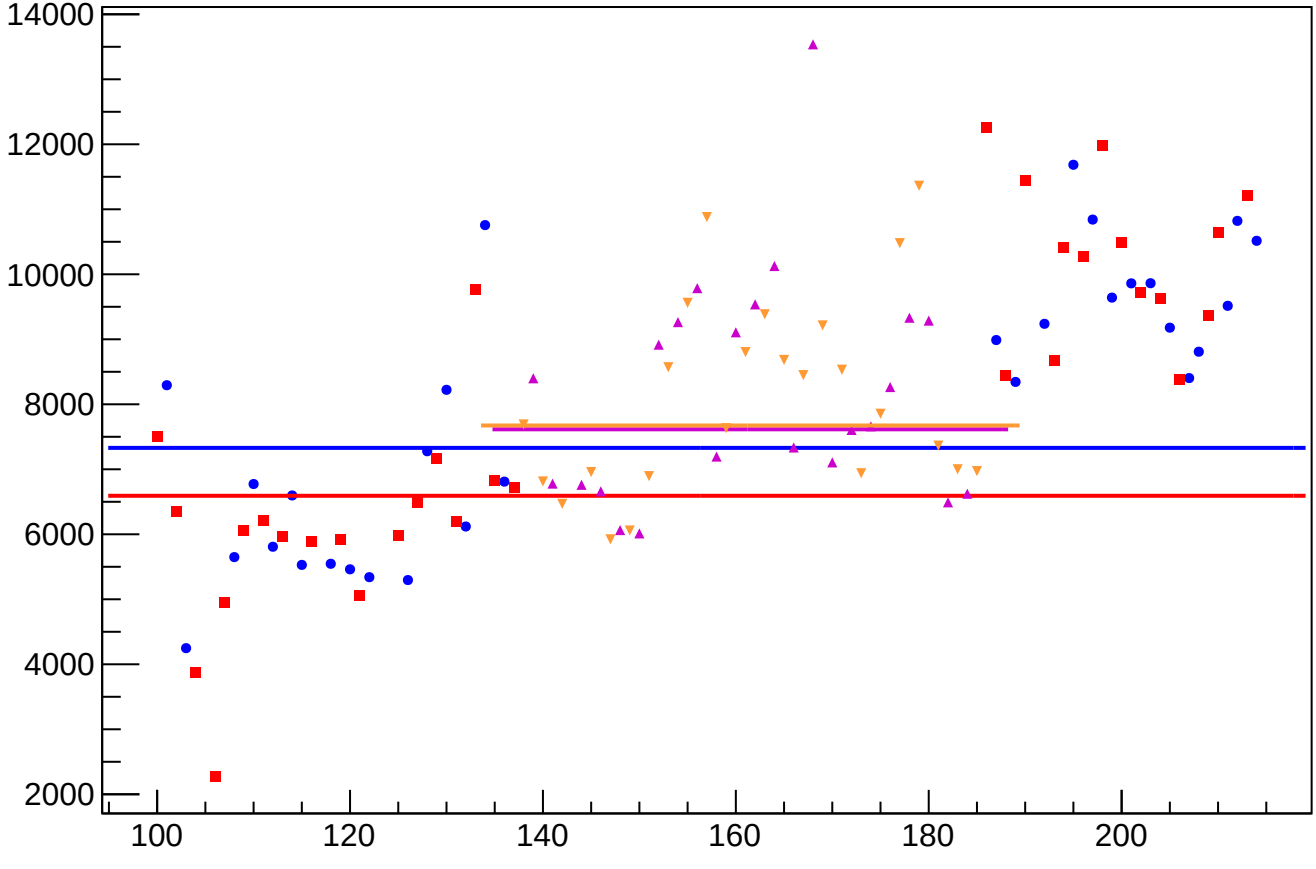
Right: 635.900+/-1216.164 χ^2/NDF: 73.8/61

In: -232.843+/-1273.222 χ^2/NDF:46.9/52

Out: 1114.292+/-1226.468 χ^2/NDF:69.5/55

All: 465.912+/-883.310 χ^2/NDF: 117.0/108

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



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

Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

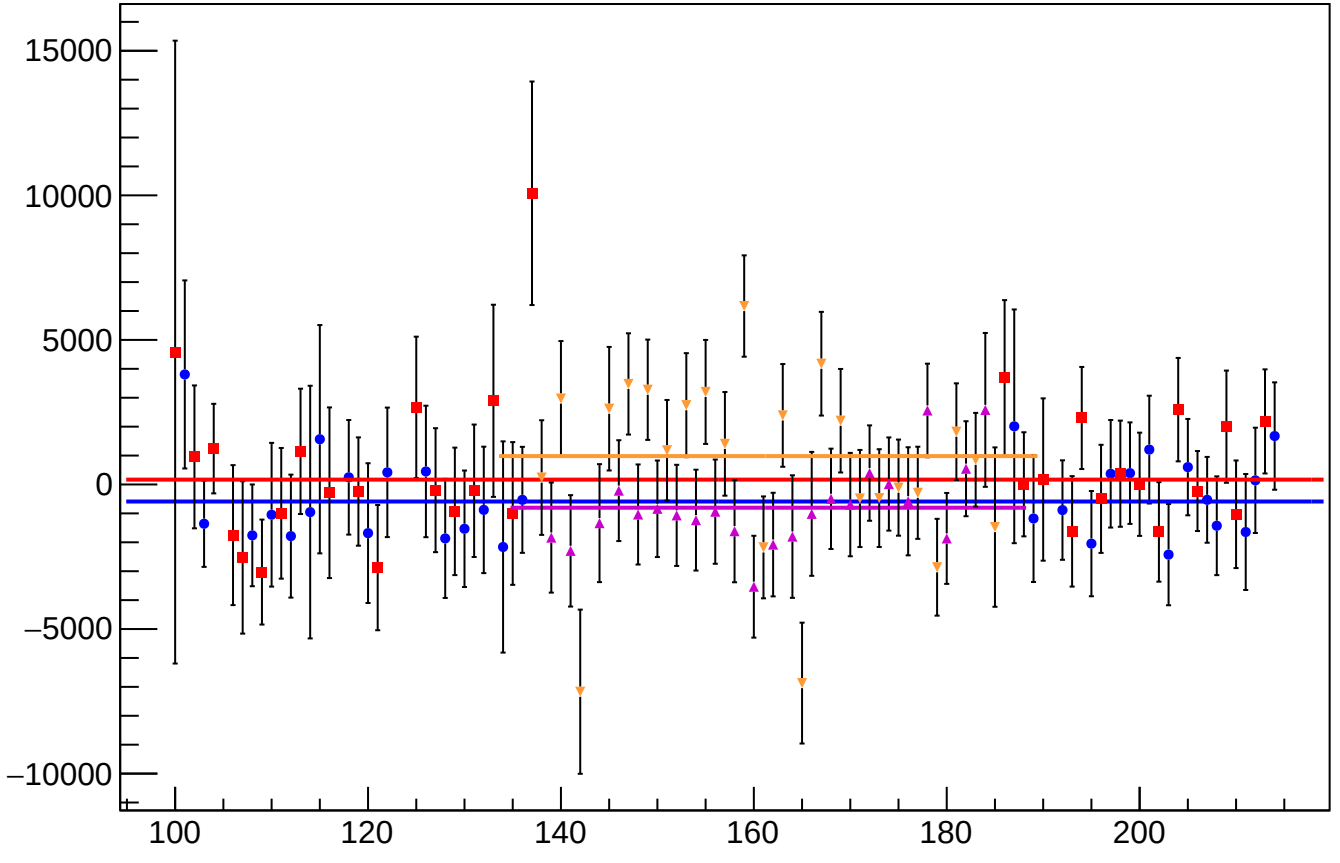
Right: 6933.857+/-0.860 χ^2/NDF: 8210123.0/61

In: 7469.969+/-0.900 χ^2/NDF:4046867.1/52

Out: 7083.653+/-0.867 χ^2/NDF:6692631.5/55

All: 7269.588+/-0.625 χ^2/NDF: 10835002.6/1

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected



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

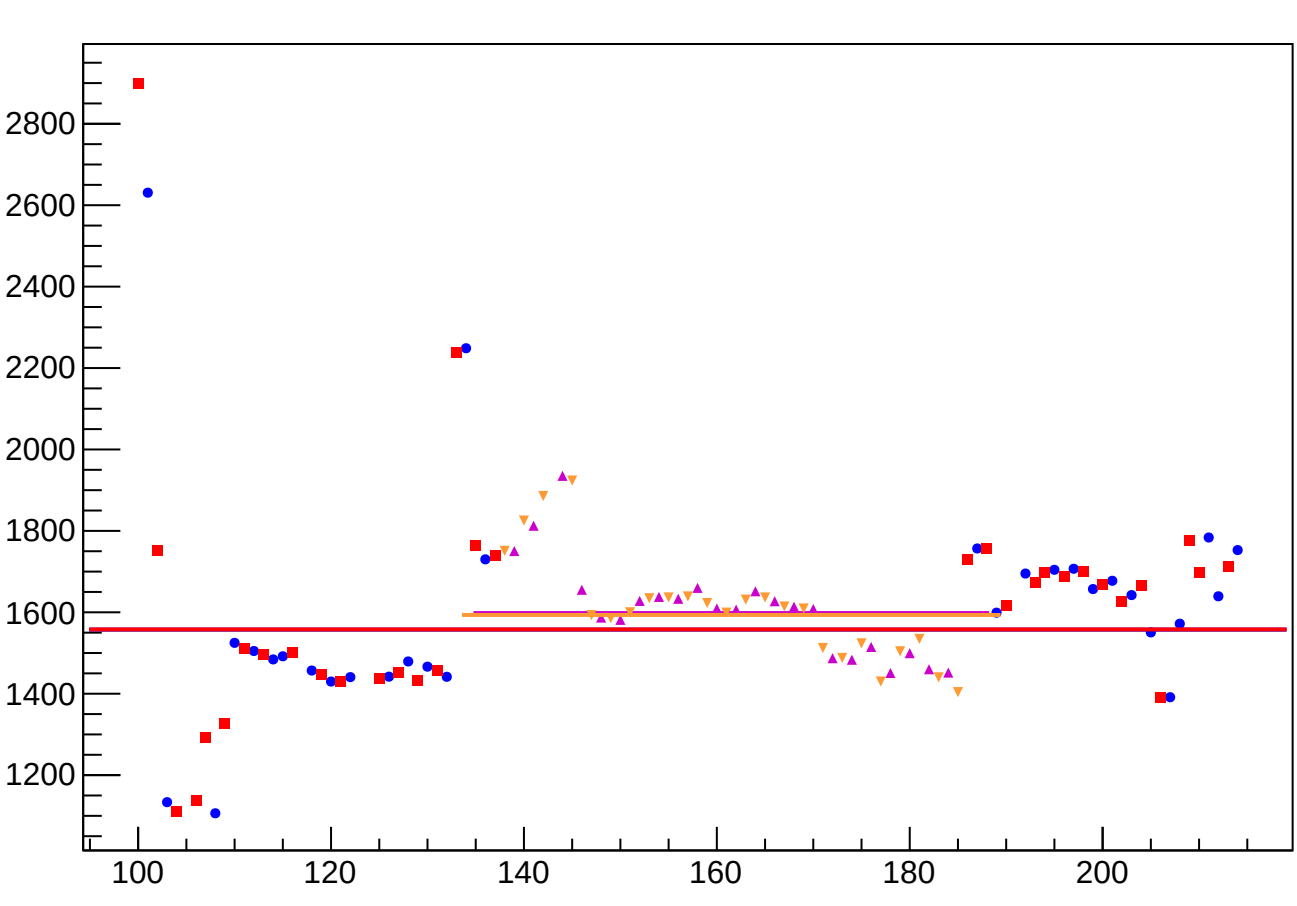
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -209.475+/-259.813 χ^2/NDF: 40.0/61

In: -694.782+/-262.362 χ^2/NDF:23.8/52

Out: 570.198+/-260.780 χ^2/NDF:84.6/55

All: -58.468+/-184.956 χ^2/NDF: 120.1/108



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

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

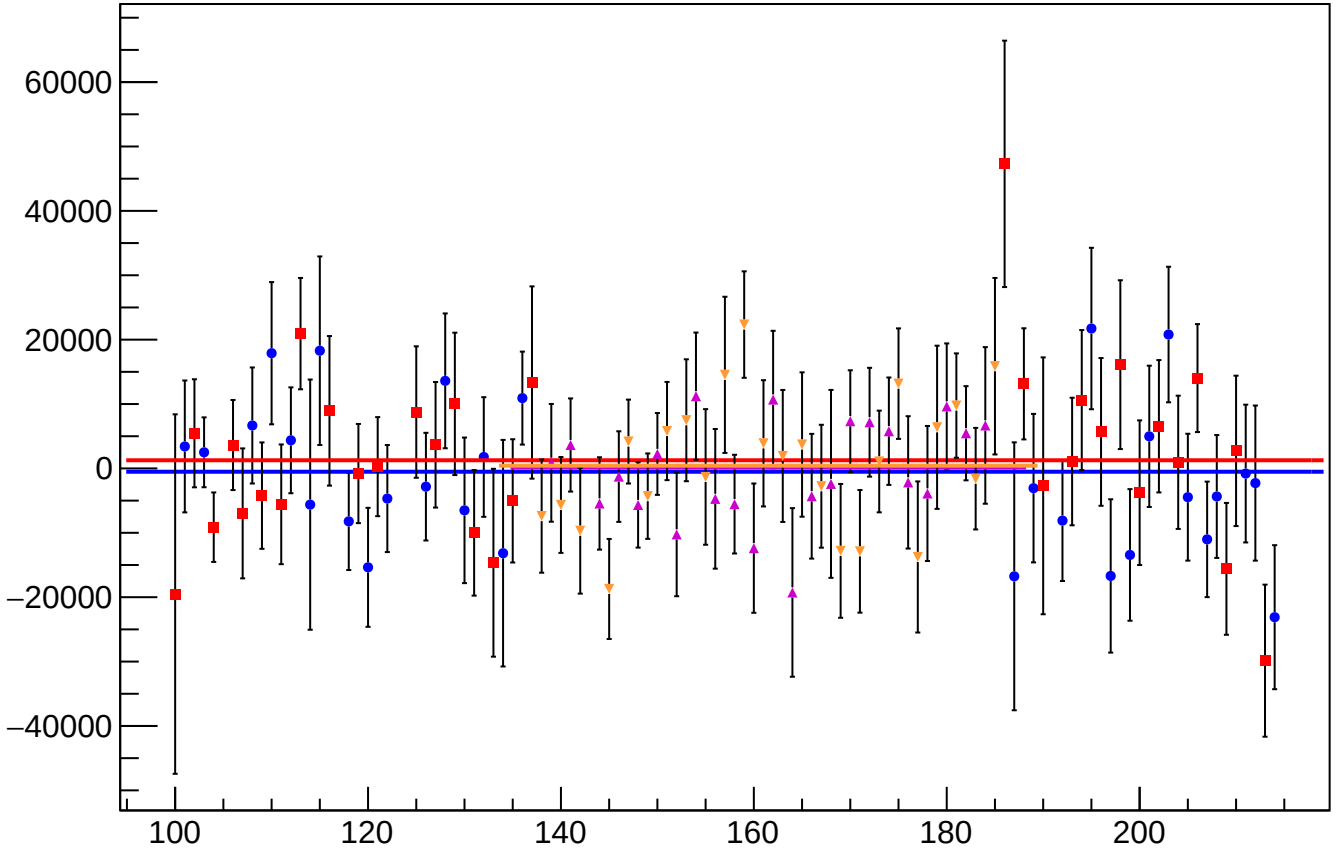
Right: 1557.663+/-0.184 χ^2/NDF: 1419901.0/61

In: 1577.444+/-0.186 χ^2/NDF:958454.9/52

Out: 1575.476+/-0.184 χ^2/NDF:839558.5/55

All: 1576.454+/-0.131 χ^2/NDF: 1798070.1/10

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



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

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

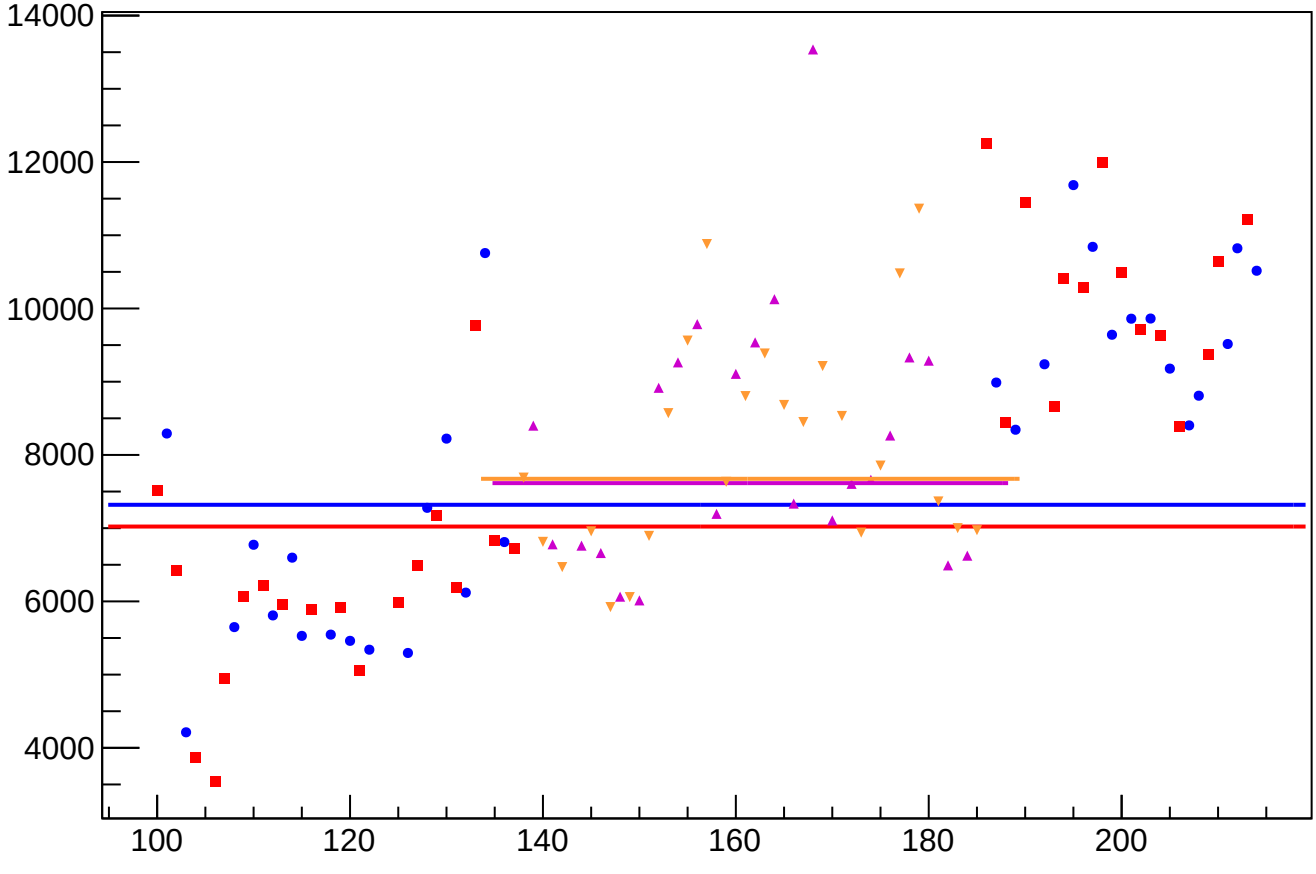
Right: 406.079+/-1240.913 χ^2/NDF: 72.8/61

In: -199.081+/-1272.553 χ^2/NDF:47.0/52

Out: 868.863+/-1252.501 χ^2/NDF:68.7/55

All: 343.371+/-892.657 χ^2/NDF: 116.1/108

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



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

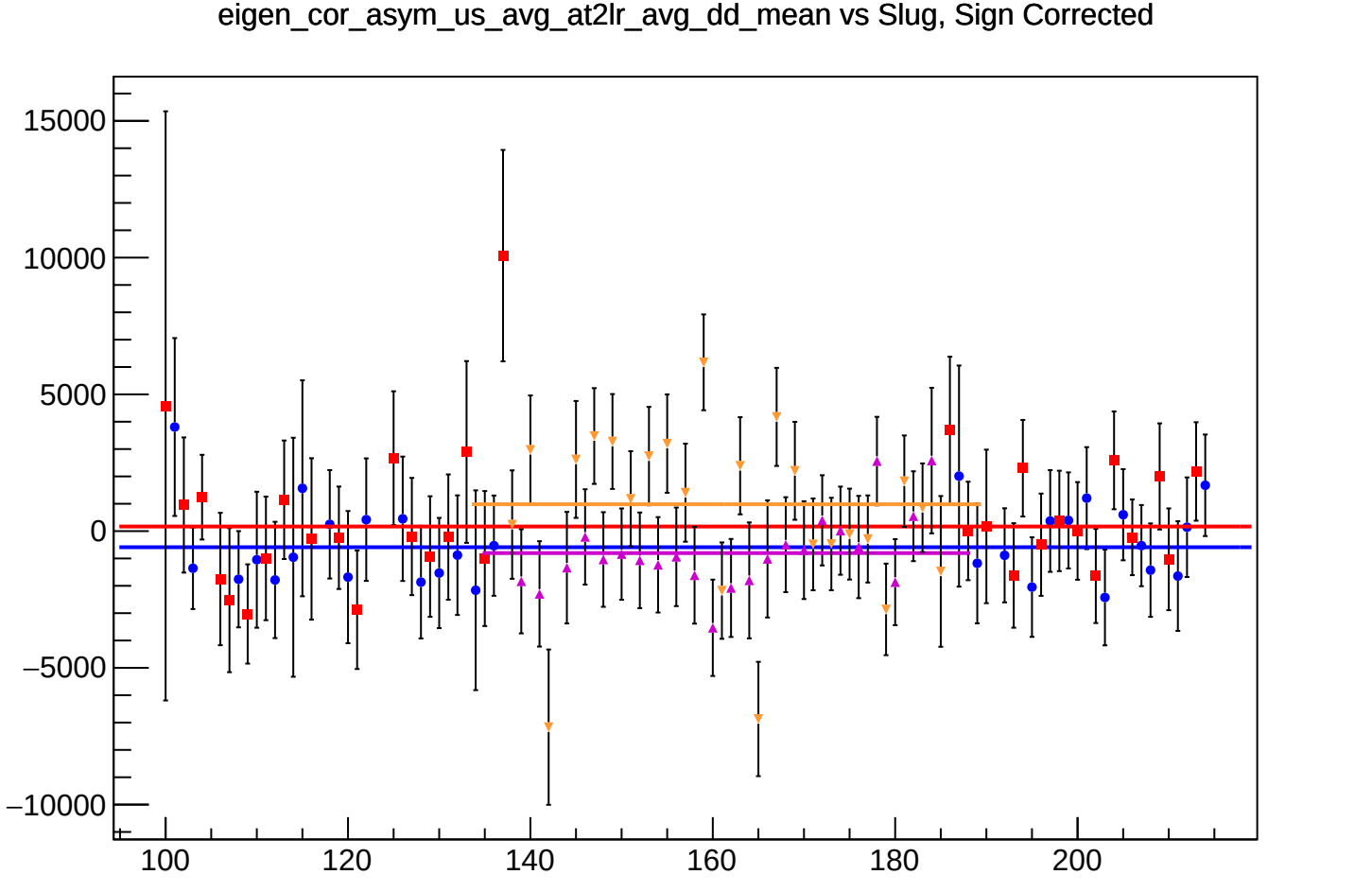
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 7165.707+/-0.877 χ^2/NDF: 6561153.1/61

In: 7464.616+/-0.900 χ^2/NDF:4075958.4/52

Out: 7330.917+/-0.886 χ^2/NDF:4919905.3/55

All: 7396.705+/-0.631 χ^2/NDF: 9007077.4/10



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

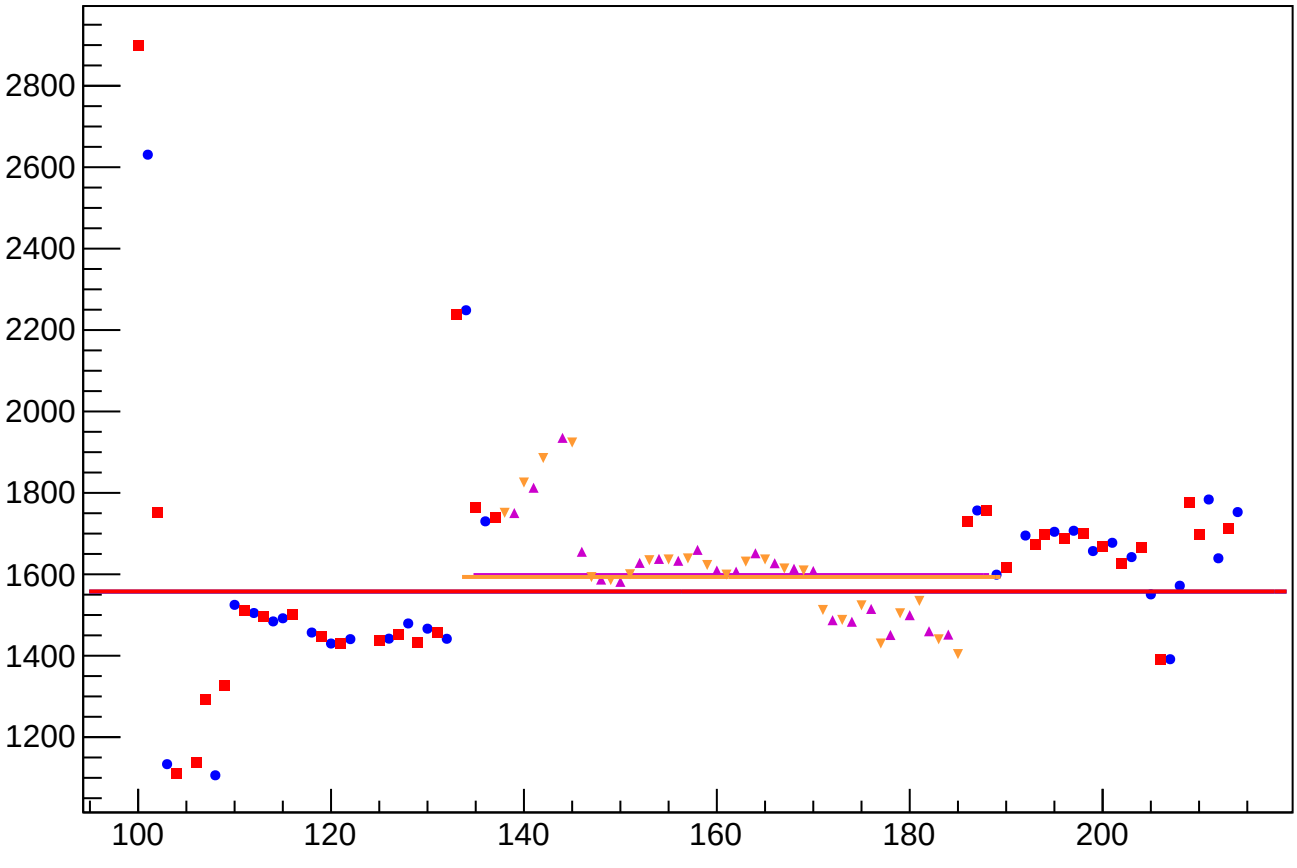
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -209.475+/-259.813 χ^2/NDF: 40.0/61

In: -694.782+/-262.362 χ^2/NDF:23.8/52

Out: 570.198+/-260.780 χ^2/NDF:84.6/55

All: -58.468+/-184.956 χ^2/NDF: 120.1/108



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

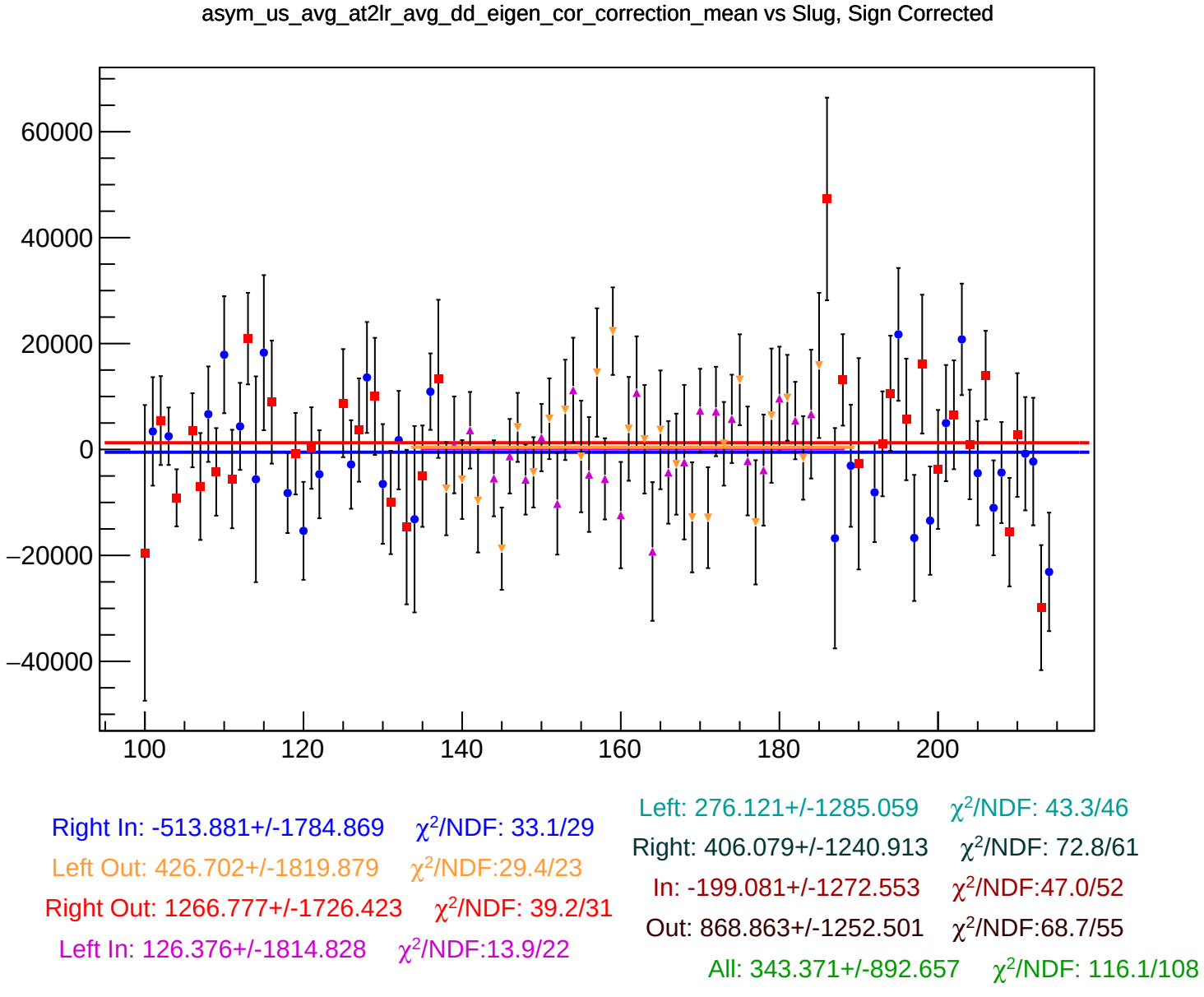
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1557.663+/-0.184 χ^2/NDF: 1419901.0/61

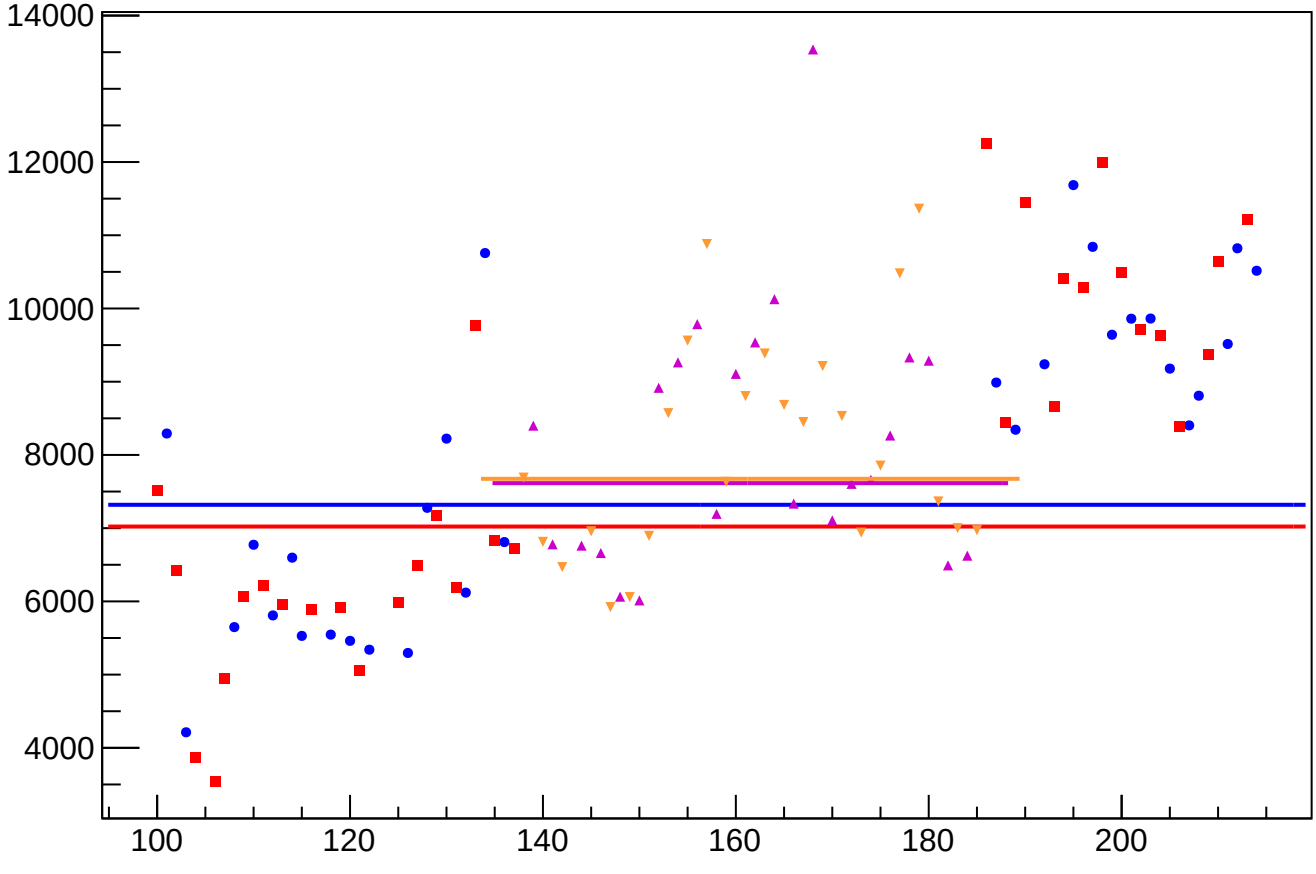
In: 1577.444+/-0.186 χ^2/NDF:958454.9/52

Out: 1575.476+/-0.184 χ^2/NDF:839558.5/55

All: 1576.454+/-0.131 χ^2/NDF: 1798070.1/10


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: -513.881+/-1784.869 χ²/NDF: 33.1/29
Left Out: 426.702+/-1819.879 χ²/NDF:29.4/23
Right Out: 1266.777+/-1726.423 χ²/NDF: 39.2/31
Left In: 126.376+/-1814.828 χ²/NDF:13.9/22
Left: 276.121+/-1285.059 χ²/NDF: 43.3/46
Right: 406.079+/-1240.913 χ²/NDF: 72.8/61
In: -199.081+/-1272.553 χ²/NDF:47.0/52
Out: 868.863+/-1252.501 χ²/NDF:68.7/55
All: 343.371+/-892.657 χ²/NDF: 116.1/108

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

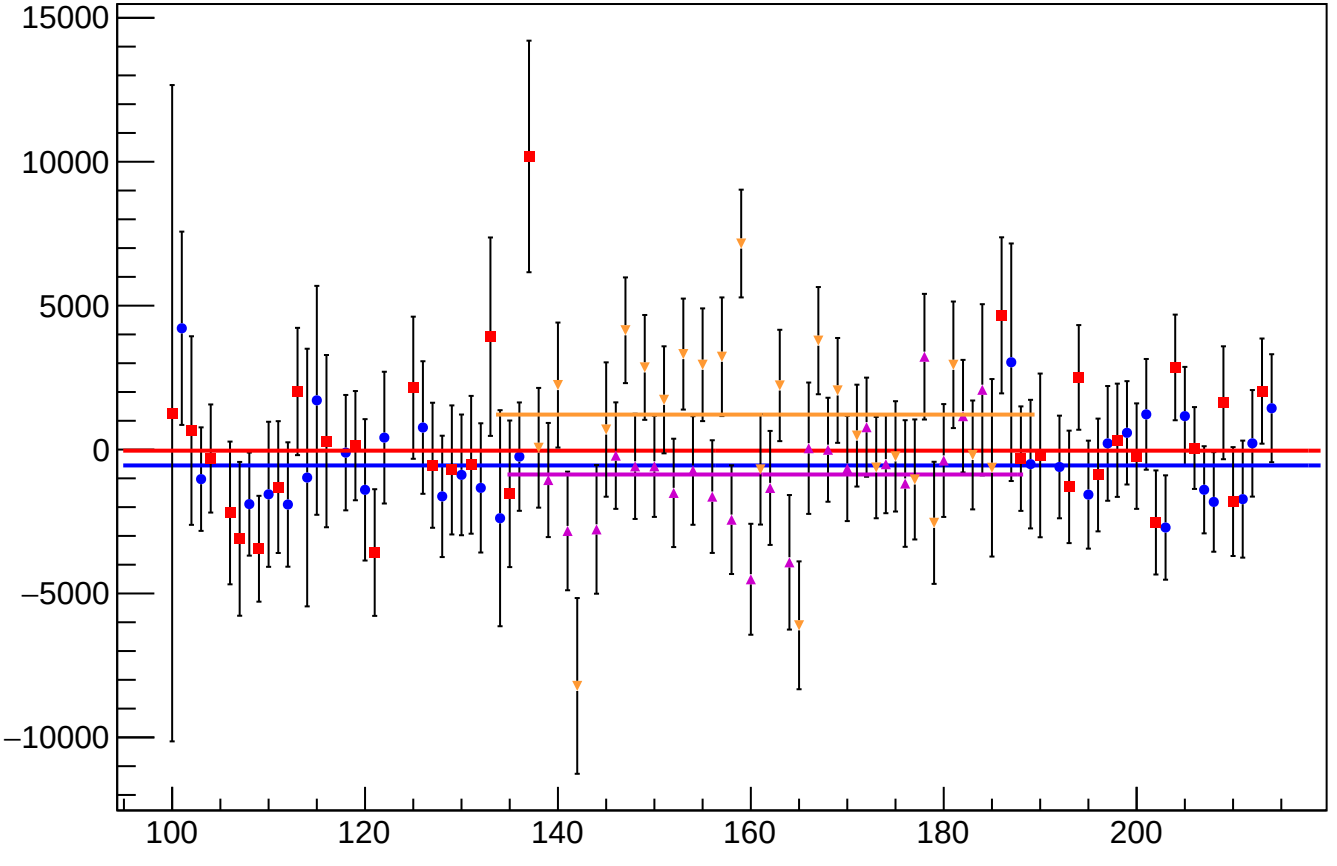
Right: 7165.707+/-0.877 χ^2/NDF: 6561153.1/61

In: 7464.616+/-0.900 χ^2/NDF:4075958.4/52

Out: 7330.917+/-0.886 χ^2/NDF:4919905.3/55

All: 7396.705+/-0.631 χ^2/NDF: 9007077.4/10

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected



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

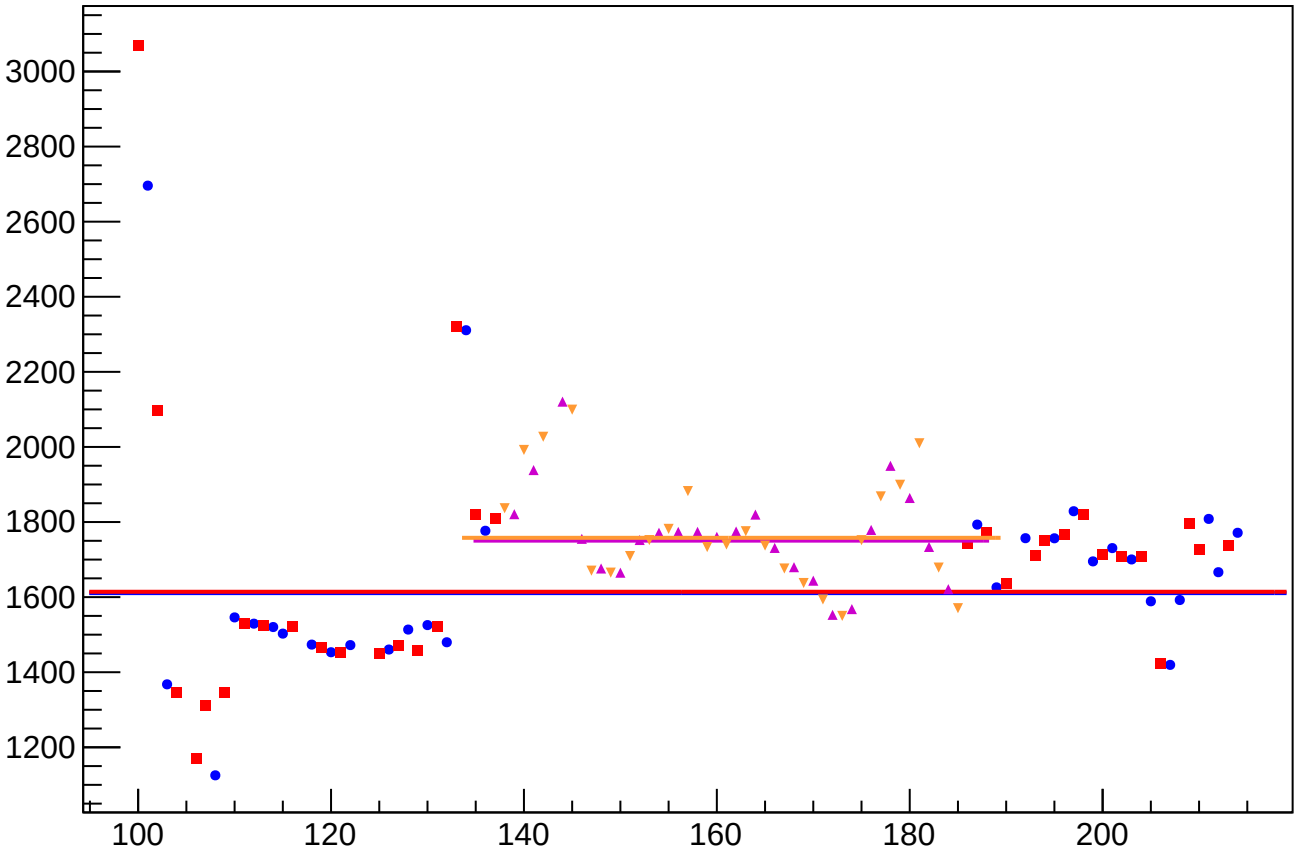
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -295.048+/-268.992 χ^2/NDF: 44.5/61

In: -696.964+/-278.810 χ^2/NDF:27.6/52

Out: 542.709+/-278.802 χ^2/NDF:84.9/55

All: -77.109+/-197.146 χ^2/NDF: 122.4/108



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

Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

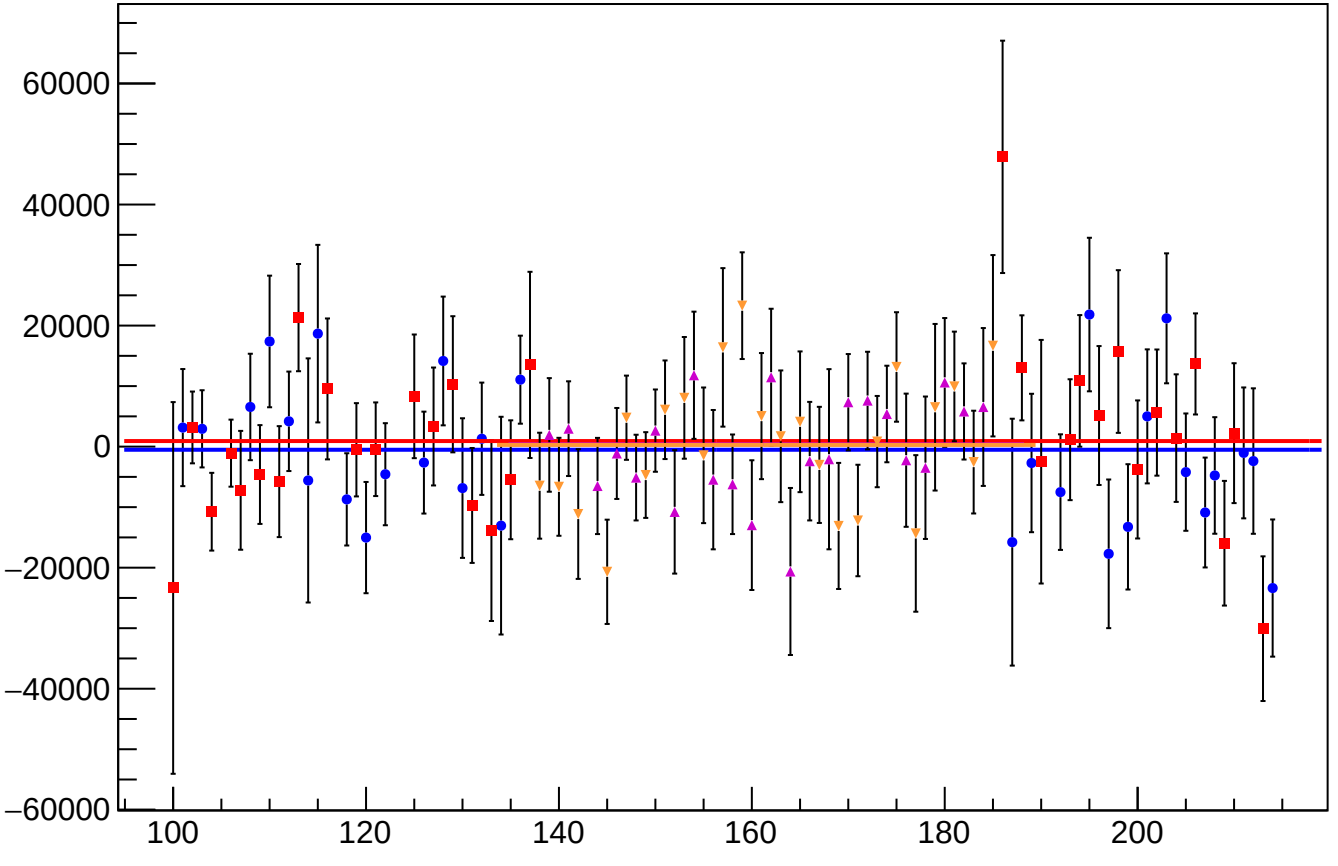
Right: 1612.484+/-0.190 χ^2/NDF: 1239122.7/61

In: 1675.318+/-0.197 χ^2/NDF:967029.2/52

Out: 1680.850+/-0.197 χ^2/NDF:914250.5/55

All: 1678.084+/-0.139 χ^2/NDF: 1881673.4/10

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



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

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

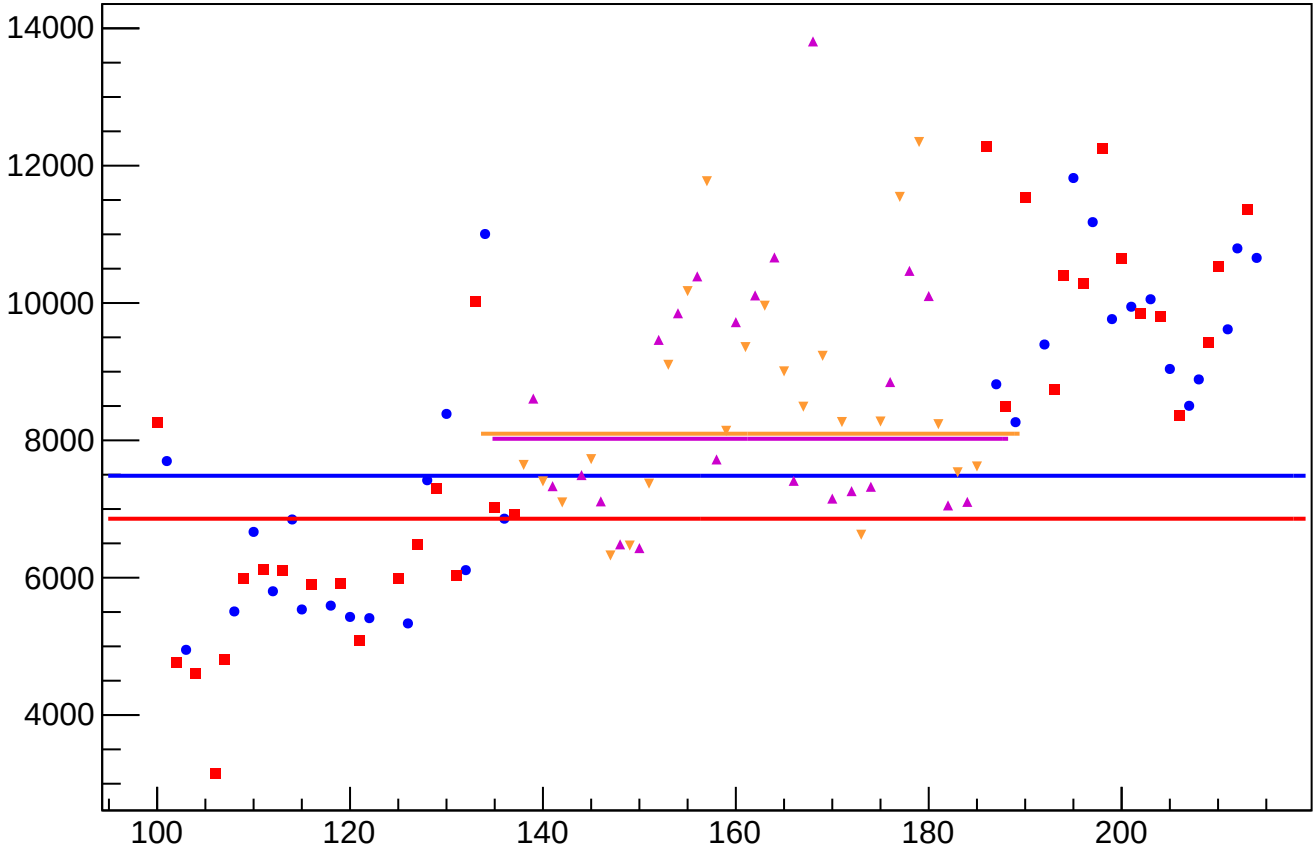
Right: 253.732+/-1238.152 χ^2/NDF: 71.9/61

In: -90.147+/-1317.534 χ^2/NDF:46.6/52

Out: 643.189+/-1269.084 χ^2/NDF:67.4/55

All: 290.252+/-914.026 χ^2/NDF: 114.2/108

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



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

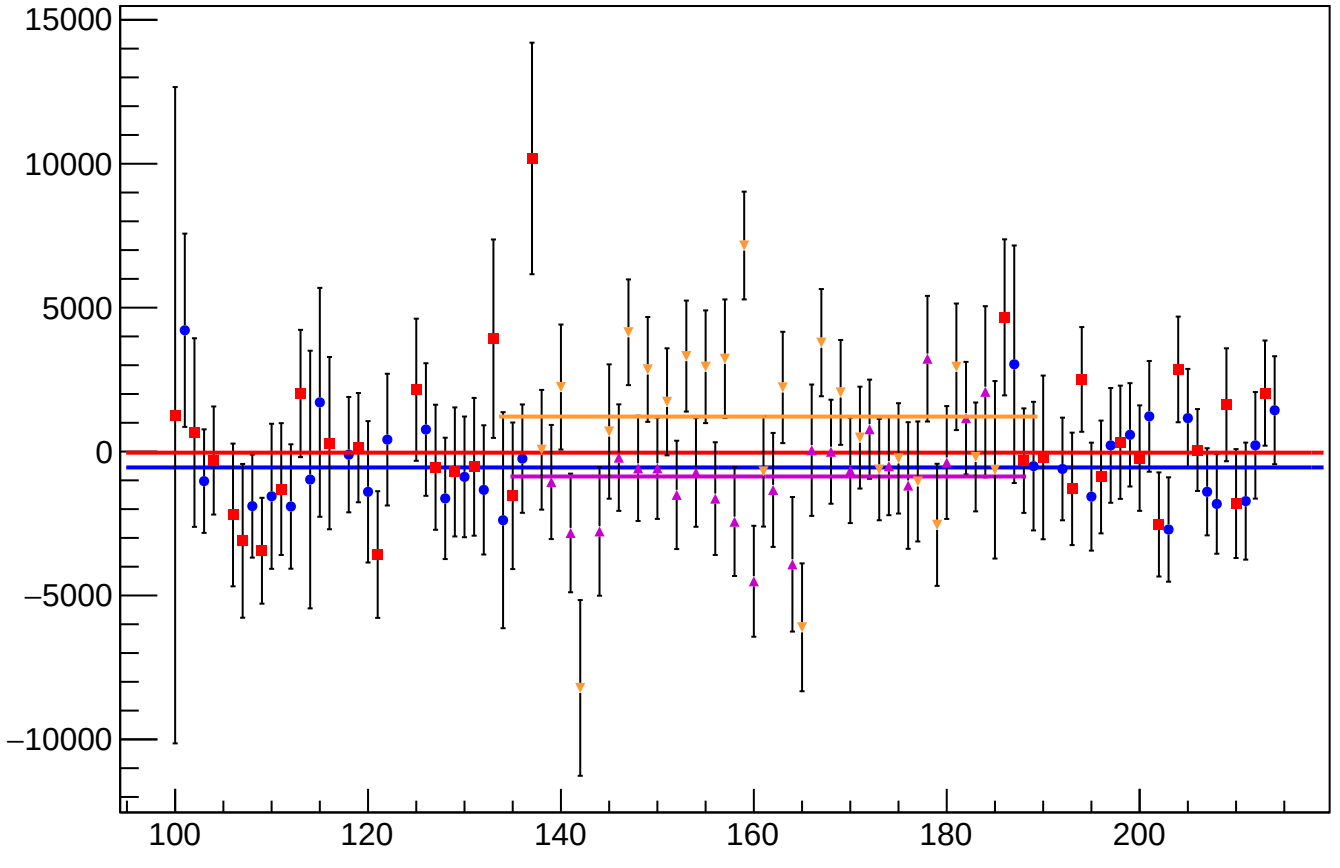
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 7148.983+/-0.876 χ^2/NDF: 6772542.7/61

In: 7739.889+/-0.932 χ^2/NDF:3809838.4/52

Out: 7399.566+/-0.897 χ^2/NDF:5700609.3/55

All: 7563.355+/-0.646 χ^2/NDF: 9579666.8/10



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

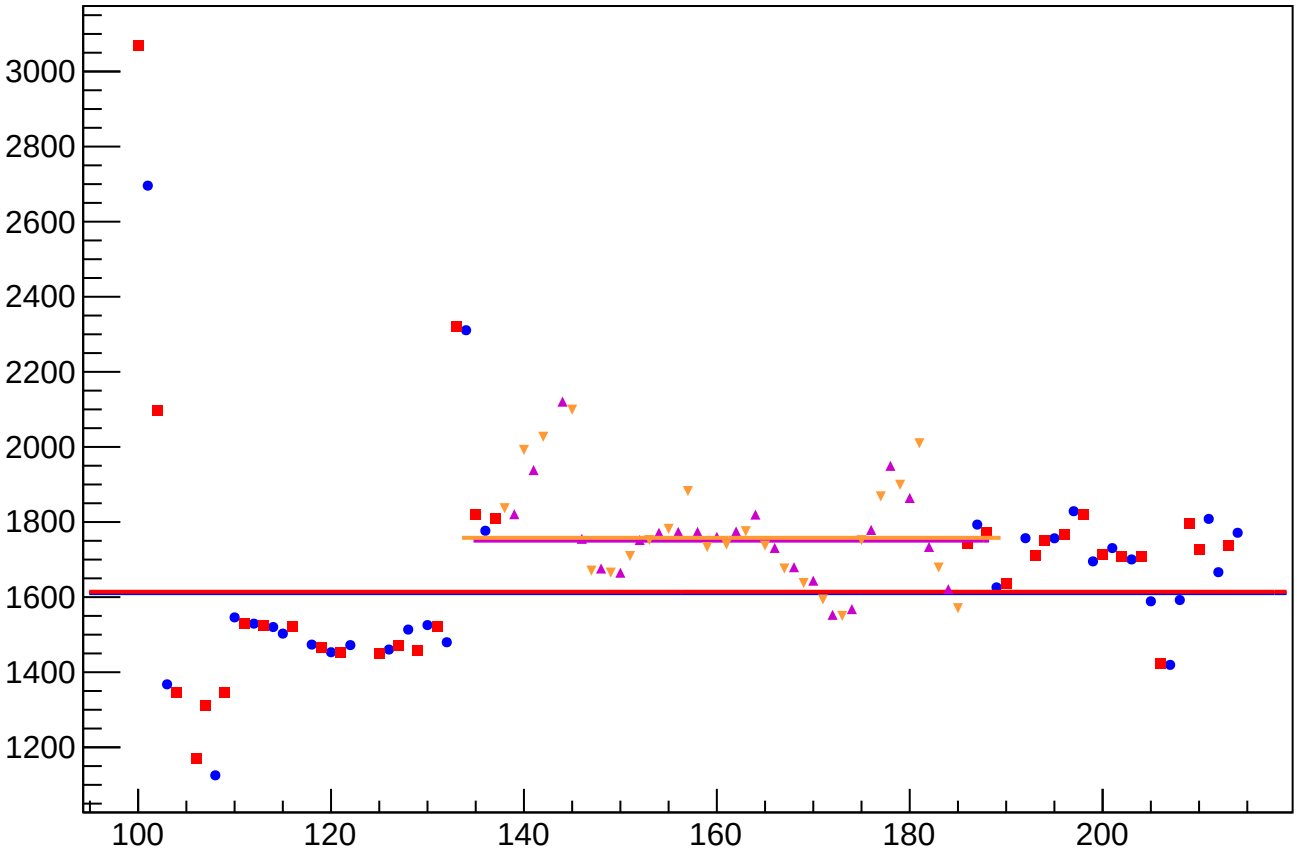
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -295.047+/-268.992 χ^2/NDF: 44.5/61

In: -696.962+/-278.811 χ^2/NDF:27.6/52

Out: 542.711+/-278.802 χ^2/NDF:84.9/55

All: -77.107+/-197.146 χ^2/NDF: 122.4/108



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

Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

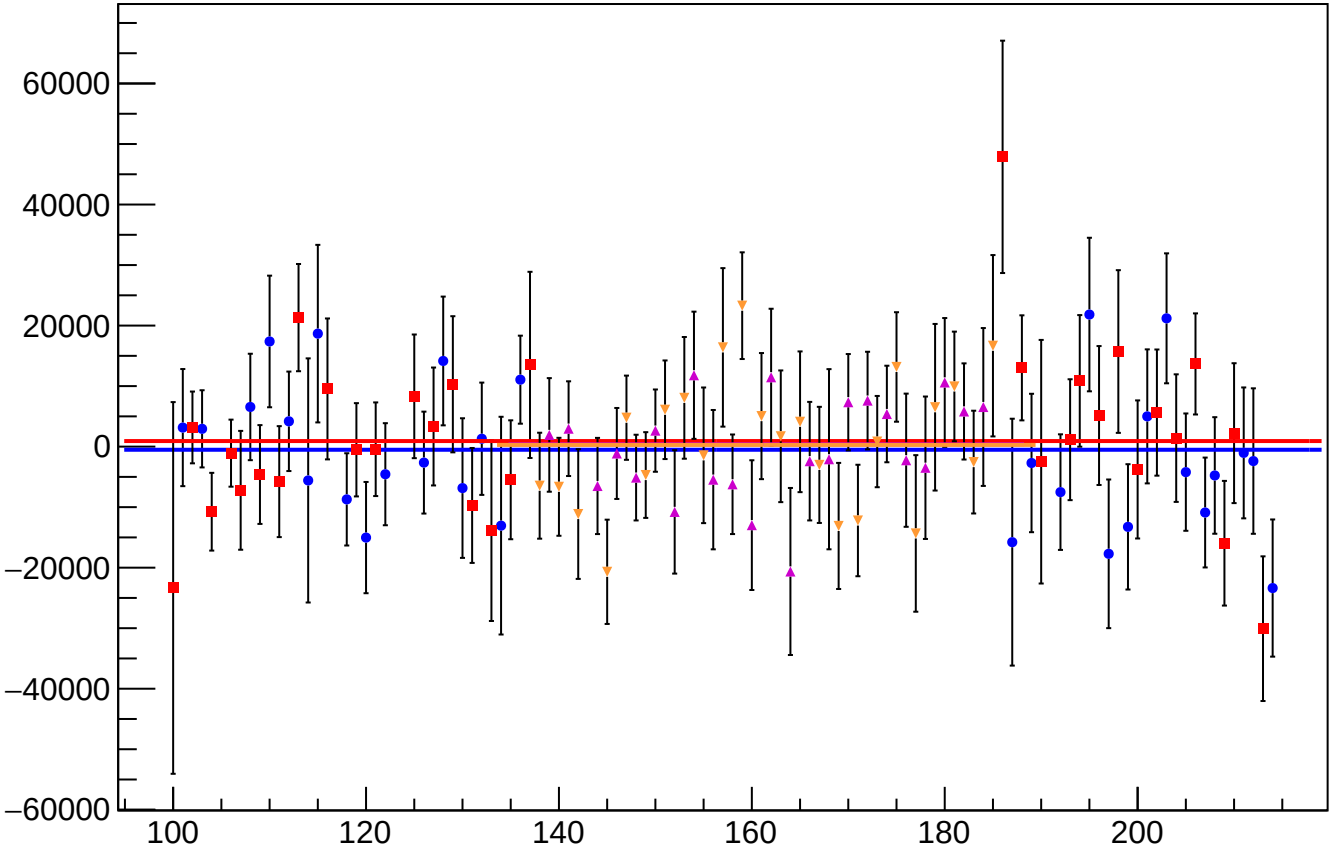
Right: 1612.484+/-0.190 χ^2/NDF: 1239123.8/61

In: 1675.319+/-0.197 χ^2/NDF:967041.9/52

Out: 1680.851+/-0.197 χ^2/NDF:914264.3/55

All: 1678.085+/-0.139 χ^2/NDF: 1881699.9/10

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

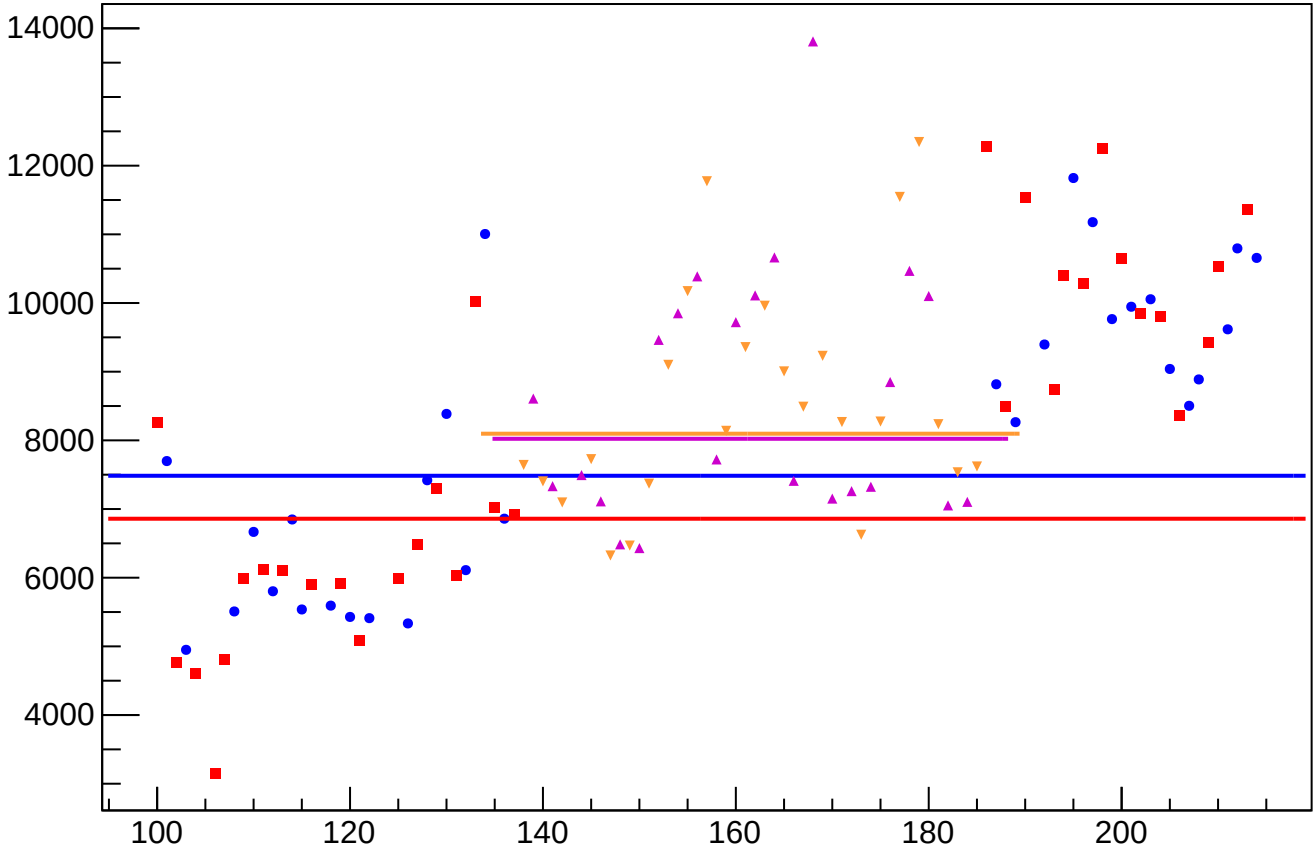
Right: 253.725+/-1238.152 χ^2/NDF: 71.9/61

In: -90.149+/-1317.535 χ^2/NDF:46.6/52

Out: 643.186+/-1269.084 χ^2/NDF:67.4/55

All: 290.250+/-914.027 χ^2/NDF: 114.2/108

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

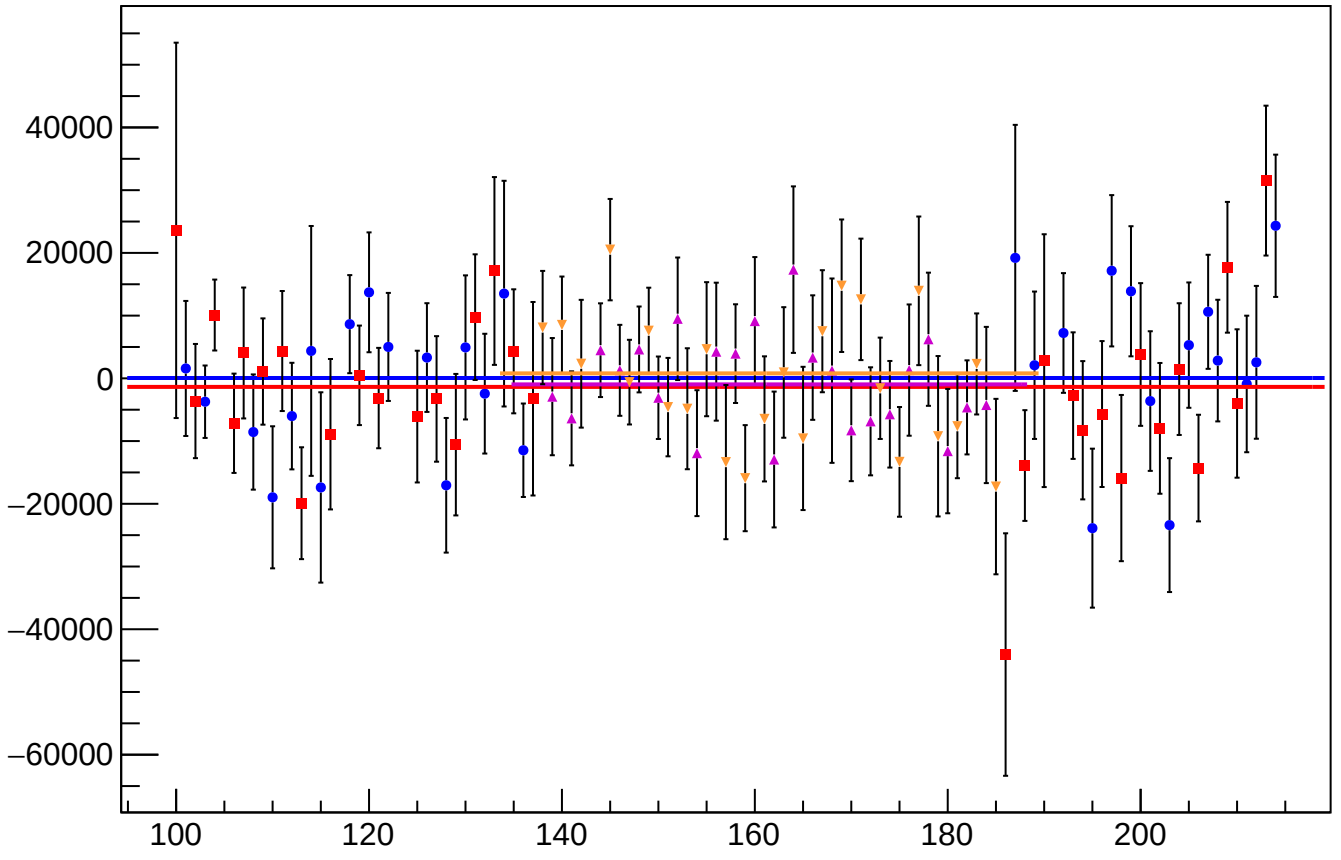
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 7148.974+/-0.876 χ^2/NDF: 6772609.0/61

In: 7739.890+/-0.932 χ^2/NDF:3809882.4/52

Out: 7399.565+/-0.897 χ^2/NDF:5700659.7/55

All: 7563.355+/-0.646 χ^2/NDF: 9579762.1/10



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

Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

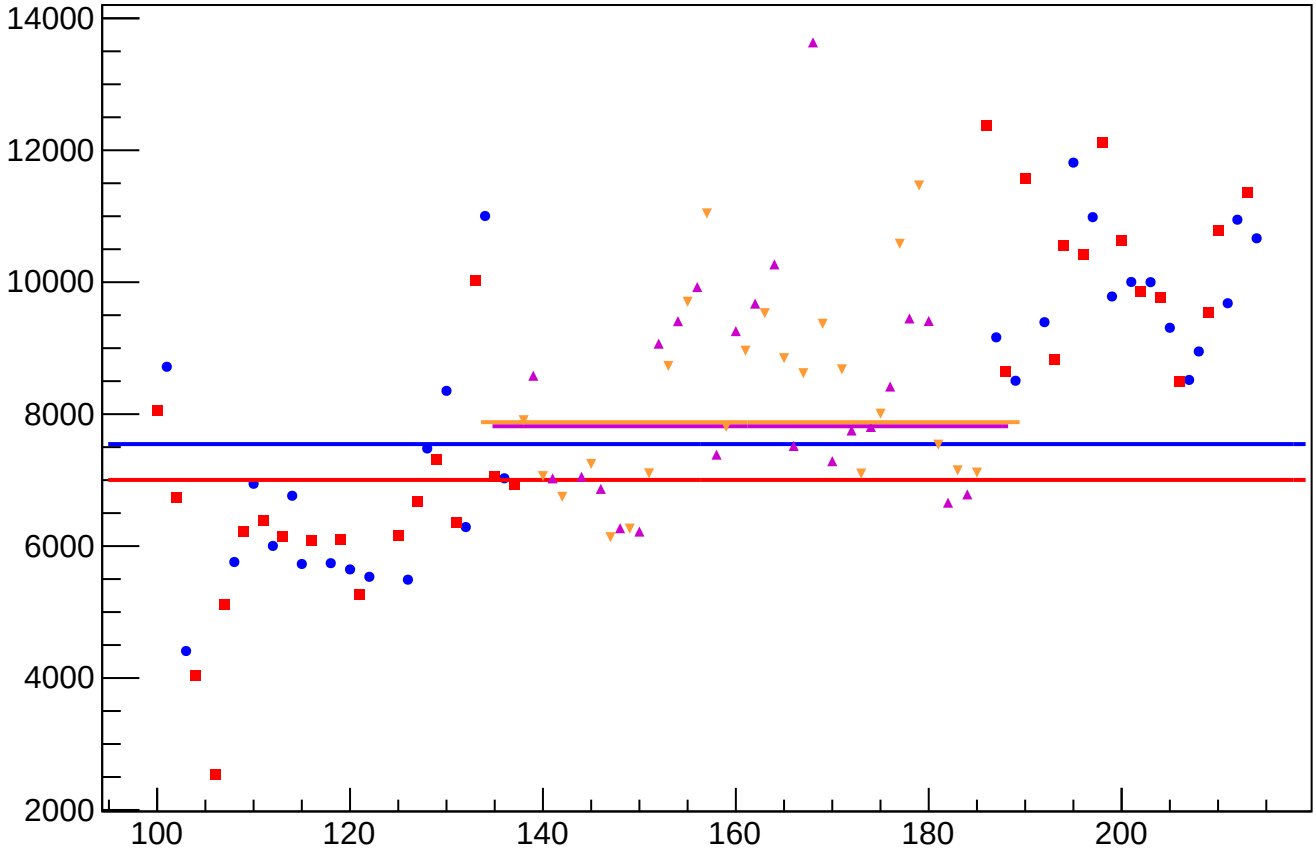
Right: -672.900+/-1279.913 χ^2/NDF: 73.4/61

In: -447.127+/-1306.426 χ^2/NDF:48.5/52

Out: -332.707+/-1289.848 χ^2/NDF:65.5/55

All: -389.186+/-917.865 χ^2/NDF: 113.9/108

asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected



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

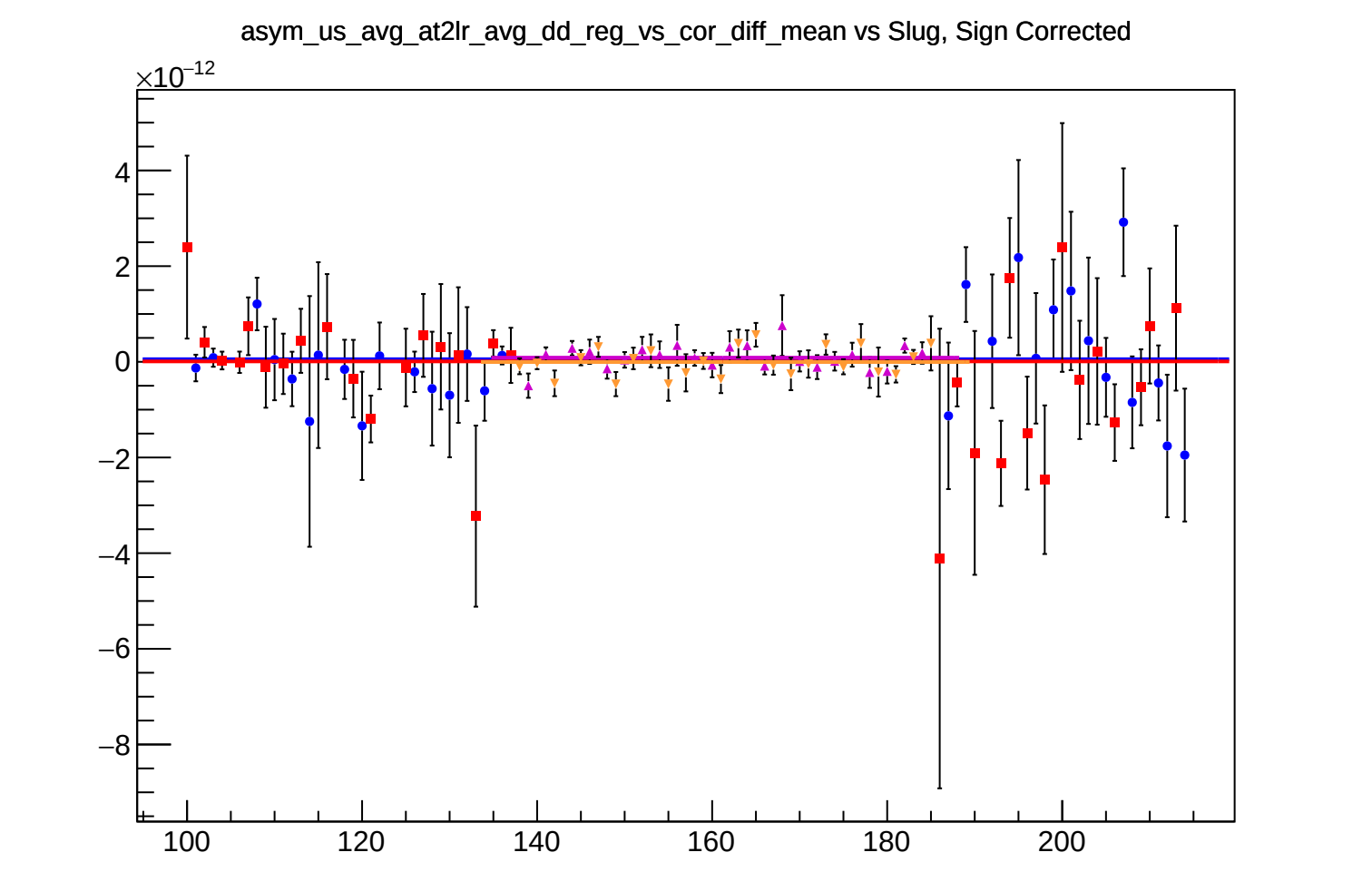
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 7260.505+/-0.894 χ^2/NDF: 7077331.9/61

In: 7679.443+/-0.924 χ^2/NDF:3779399.1/52

Out: 7411.228+/-0.901 χ^2/NDF:5584946.0/55

All: 7541.941+/-0.645 χ^2/NDF: 9407562.0/10



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

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

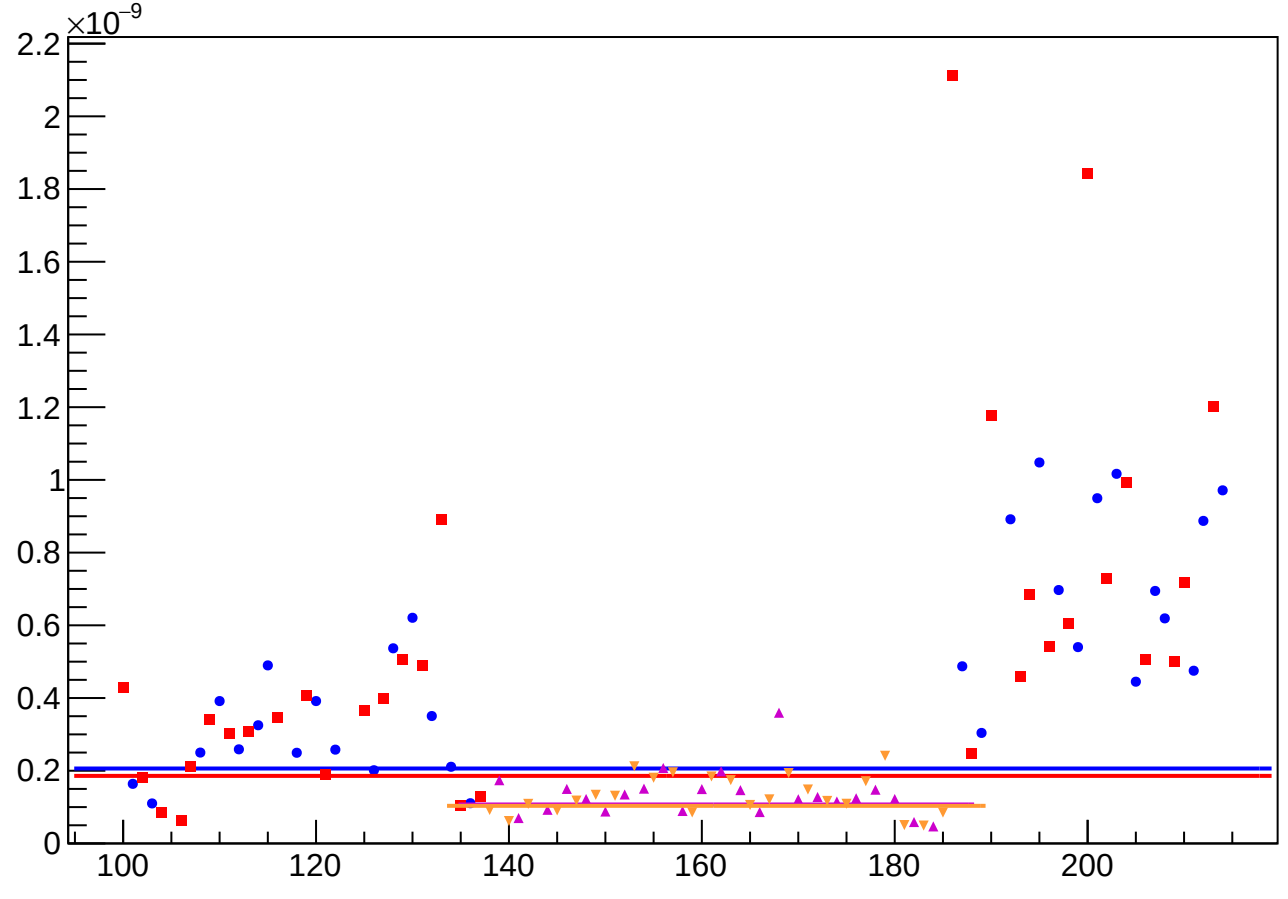
Right: 0.000+/-0.000 χ^2/NDF: 64.5/61

In: 0.000+/-0.000 χ^2/NDF:48.0/52

Out: -0.000+/-0.000 χ^2/NDF:64.4/55

All: 0.000+/-0.000 χ^2/NDF: 114.6/108

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

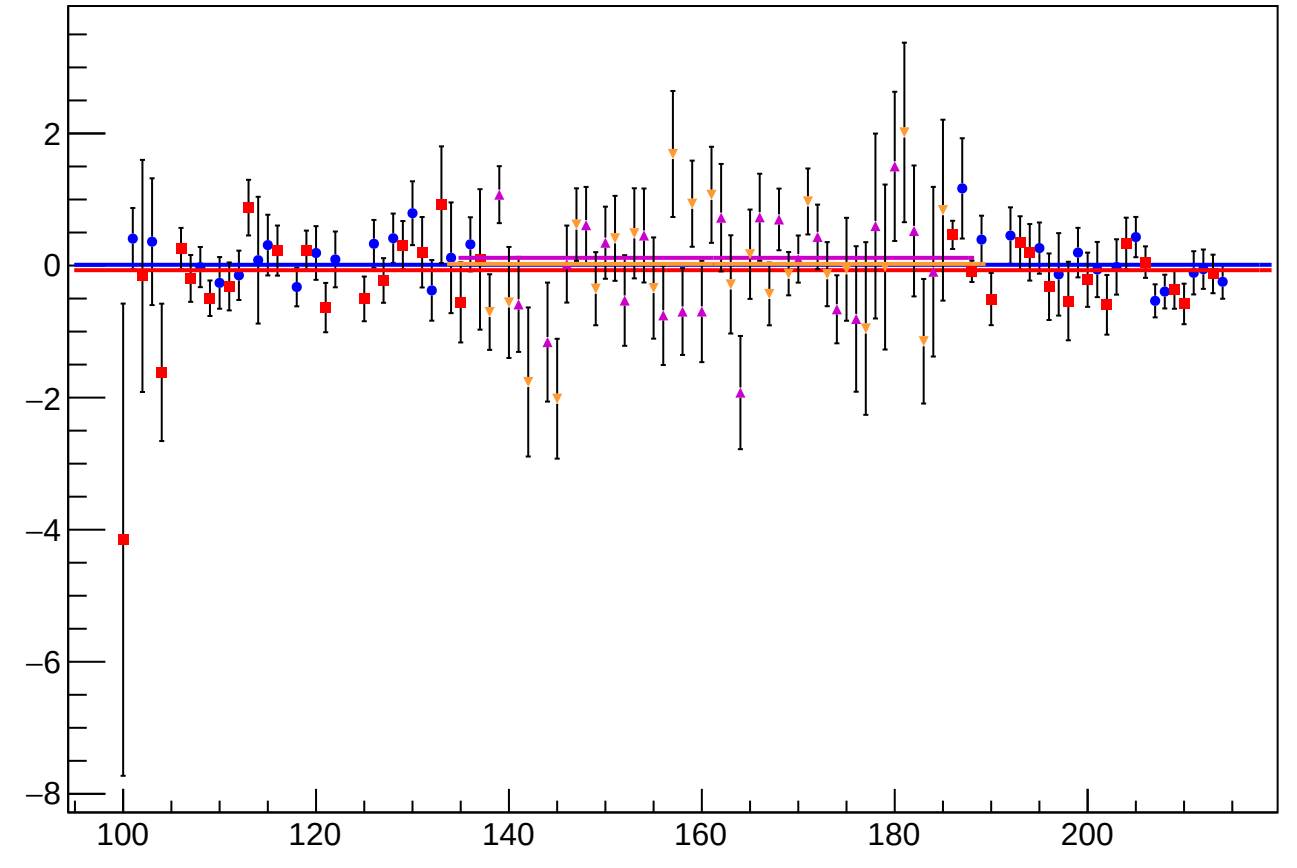
Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

Right: 0.000+/-0.000 χ^2/NDF: 13659036.3/61

In: 0.000+/-0.000 χ^2/NDF:9389759.5/52

Out: 0.000+/-0.000 χ^2/NDF:10614928.5/55

All: 0.000+/-0.000 χ^2/NDF: 20031832.1/108



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

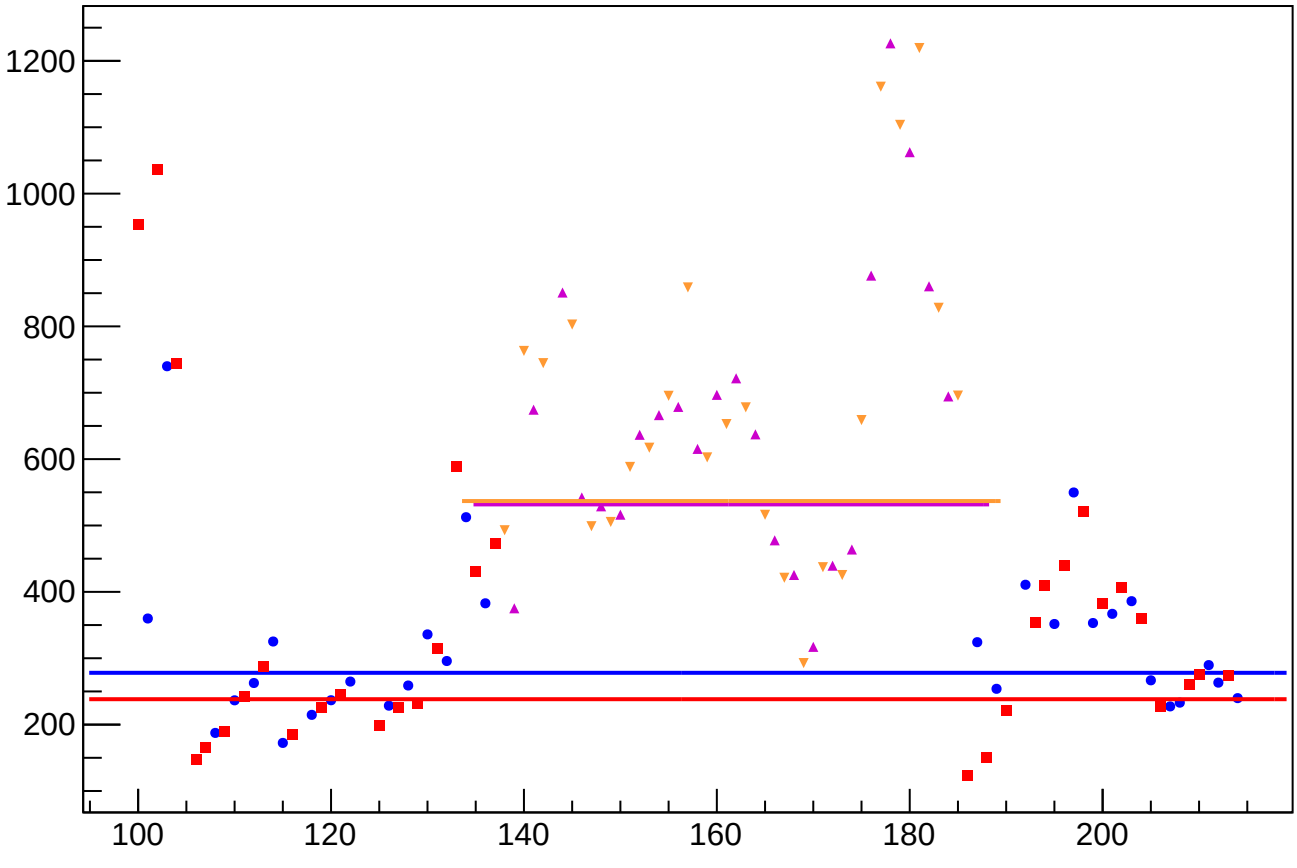
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: -0.034+/-0.046 χ^2/NDF: 64.1/61

In: 0.034+/-0.061 χ^2/NDF:53.3/52

Out: -0.054+/-0.056 χ^2/NDF:67.8/55

All: -0.014+/-0.041 χ^2/NDF: 122.2/108



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

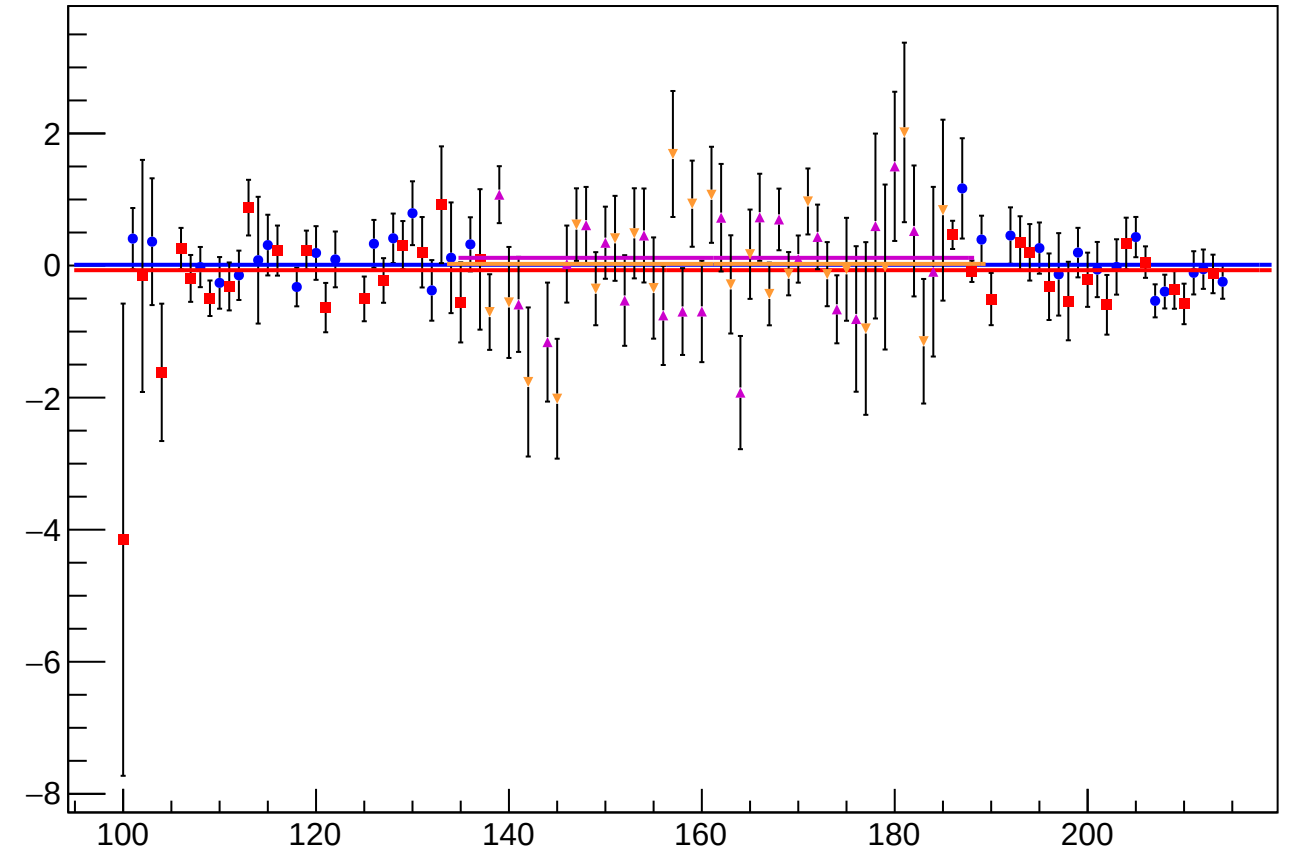
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 256.094+/-0.033 χ^2/NDF: 8114909.4/61

In: 332.035+/-0.043 χ^2/NDF:11634315.9/52

Out: 290.930+/-0.040 χ^2/NDF:17412318.4/55

All: 309.789+/-0.029 χ^2/NDF: 29536559.8/10



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

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

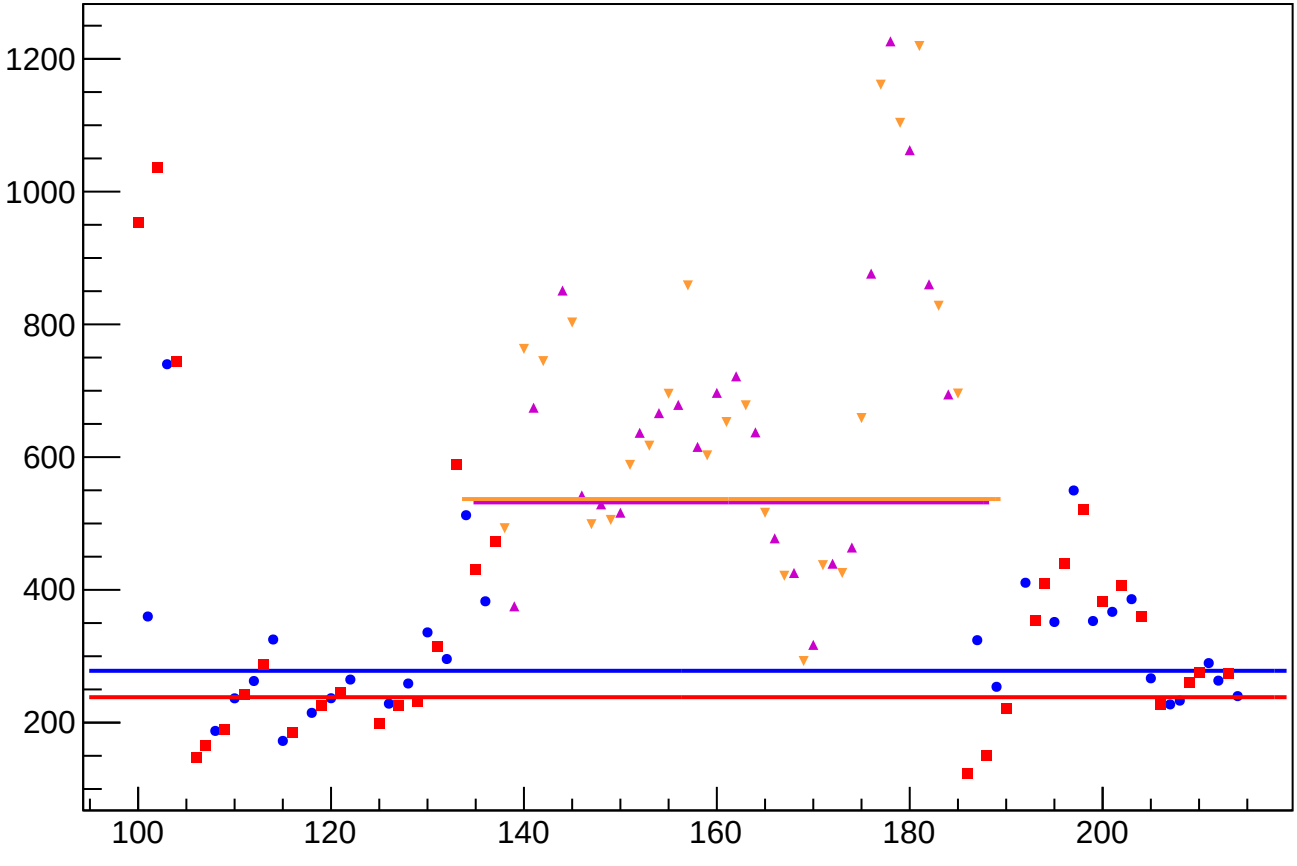
Right: -0.034+/-0.046 χ^2/NDF: 64.1/61

In: 0.034+/-0.061 χ^2/NDF:53.3/52

Out: -0.054+/-0.056 χ^2/NDF:67.8/55

All: -0.014+/-0.041 χ^2/NDF: 122.2/108

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

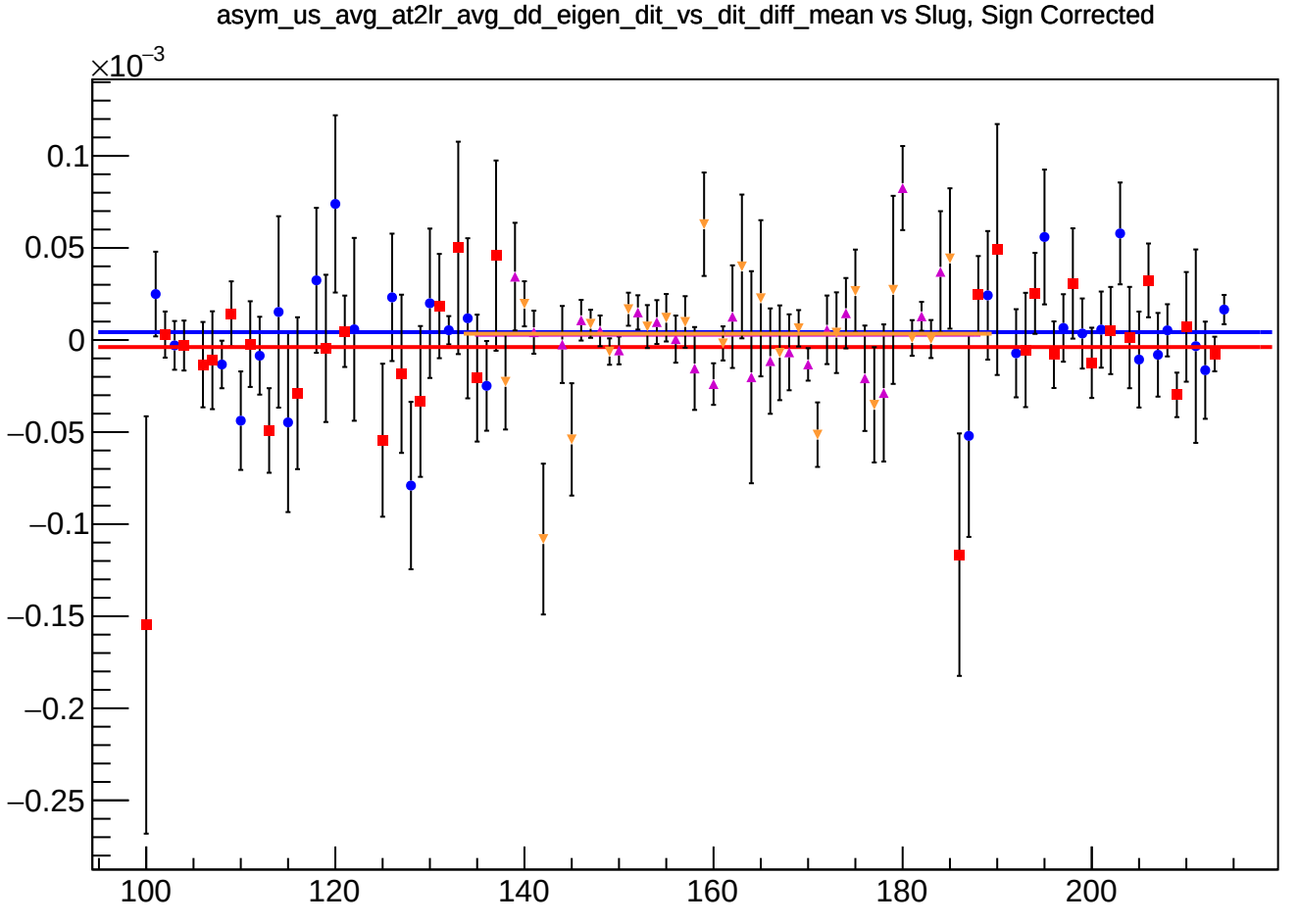
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 256.094+/-0.033 χ^2/NDF: 8114909.4/61

In: 332.035+/-0.043 χ^2/NDF:11634315.9/52

Out: 290.930+/-0.040 χ^2/NDF:17412318.4/55

All: 309.789+/-0.029 χ^2/NDF: 29536559.8/10



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

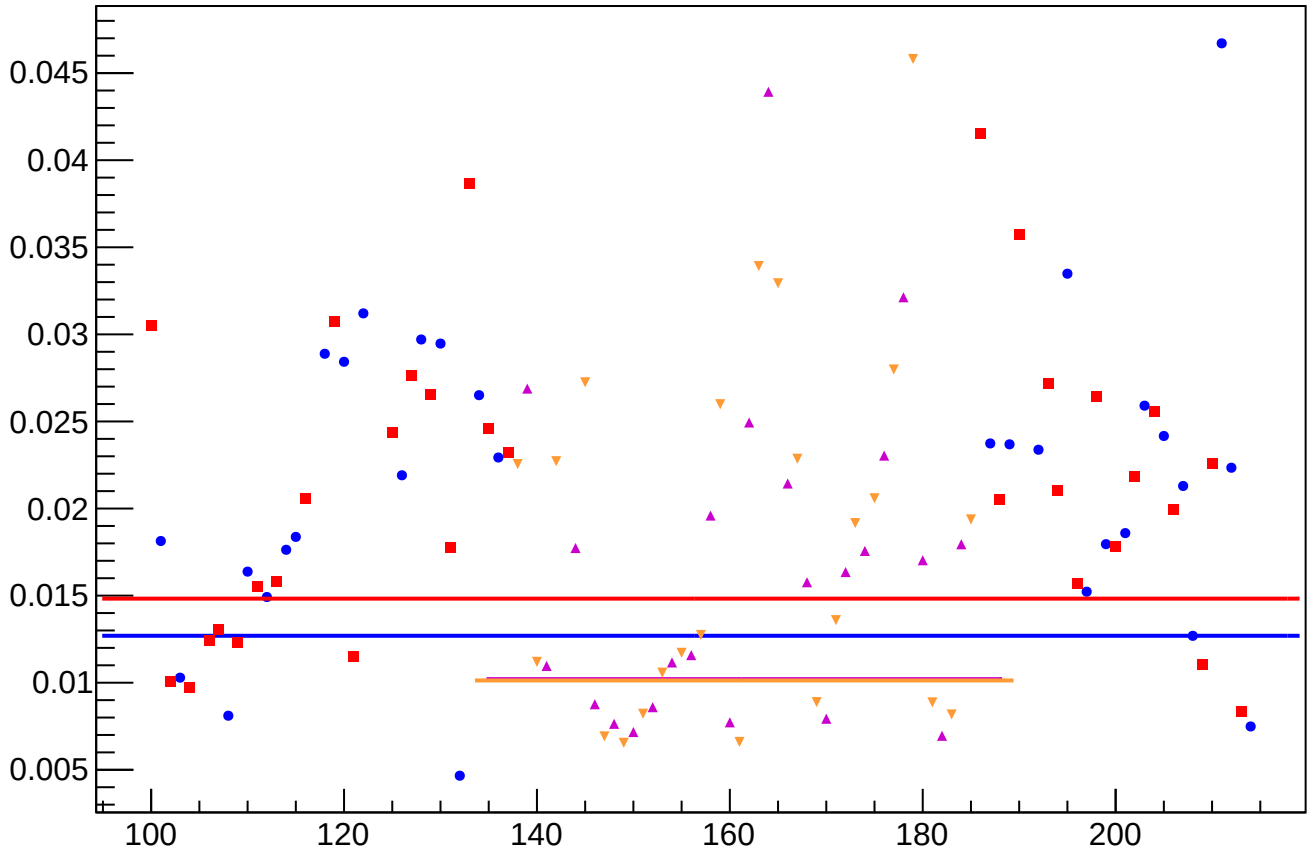
Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

Right: 0.000+/-0.000 χ^2/NDF: 58.6/61

In: 0.000+/-0.000 χ^2/NDF:58.8/52

Out: 0.000+/-0.000 χ^2/NDF:71.1/55

All: 0.000+/-0.000 χ^2/NDF: 130.5/108



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

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

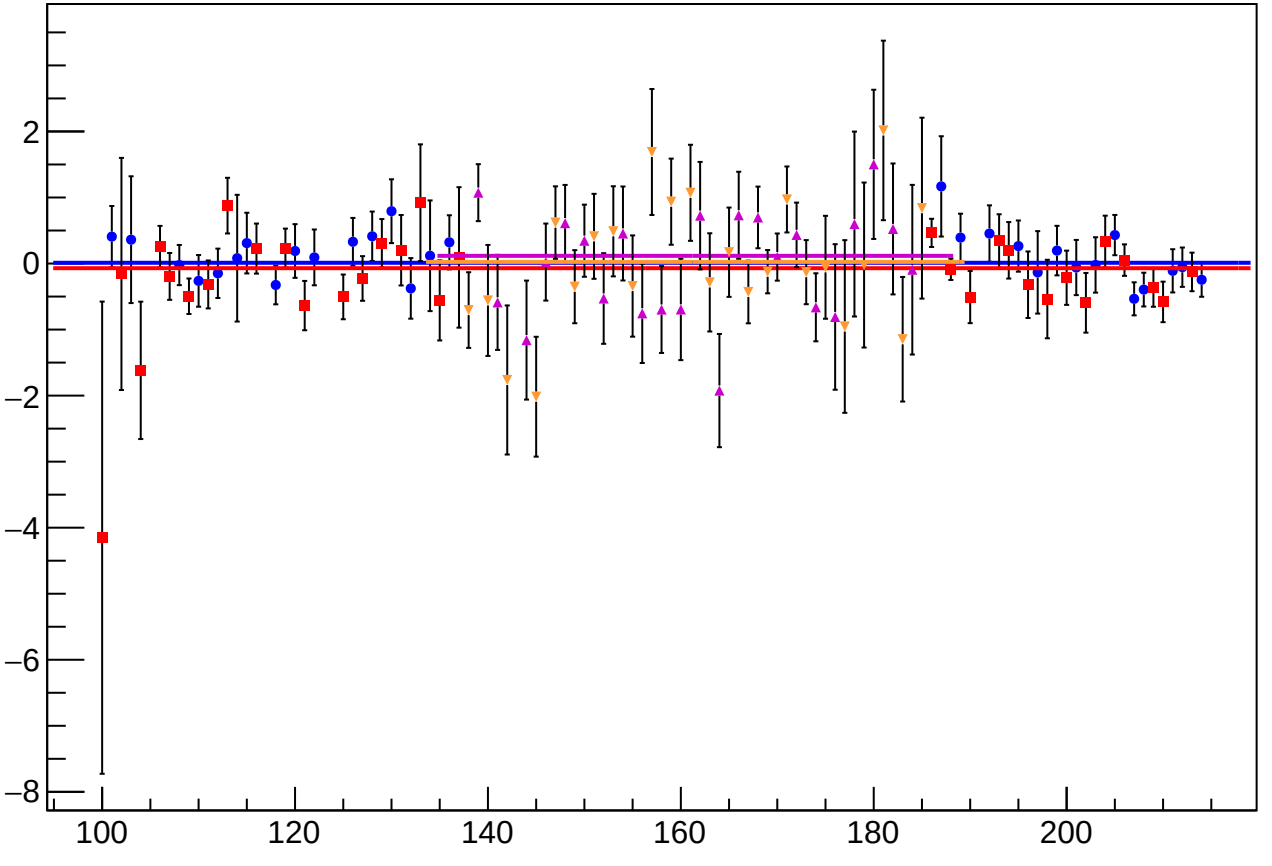
Right: 0.014+/-0.000 χ^2/NDF: 15479807.5/61

In: 0.011+/-0.000 χ^2/NDF:16331719.8/52

Out: 0.012+/-0.000 χ^2/NDF:15299786.3/55

All: 0.011+/-0.000 χ^2/NDF: 31698032.3/108

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

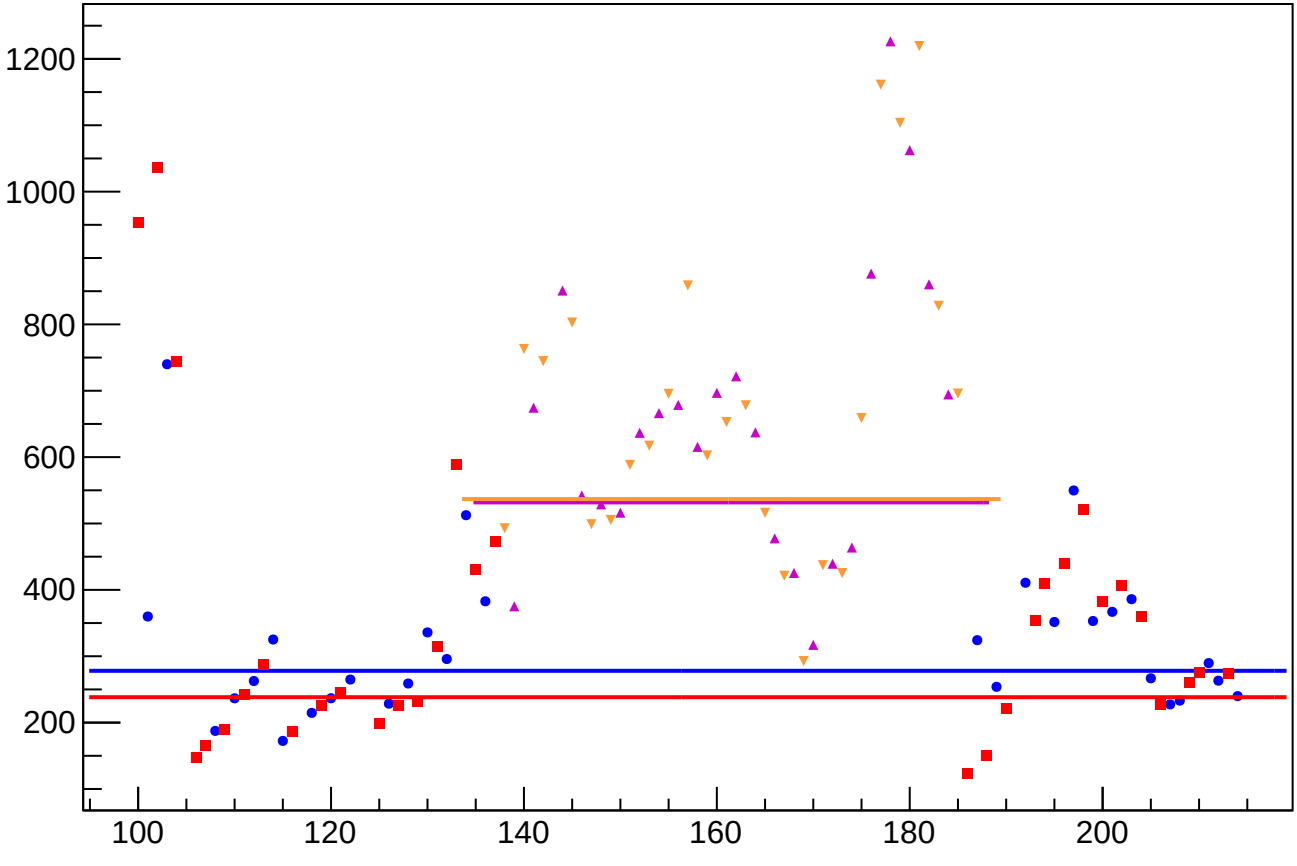
Right: -0.034+/-0.046 χ^2/NDF: 64.1/61

In: 0.034+/-0.061 χ^2/NDF:53.3/52

Out: -0.054+/-0.056 χ^2/NDF:67.8/55

All: -0.014+/-0.041 χ^2/NDF: 122.2/108

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 278.058+/-0.049 χ^2/NDF: 2477071.3/29

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 238.295+/-0.044 χ^2/NDF: 5269598.0/31

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

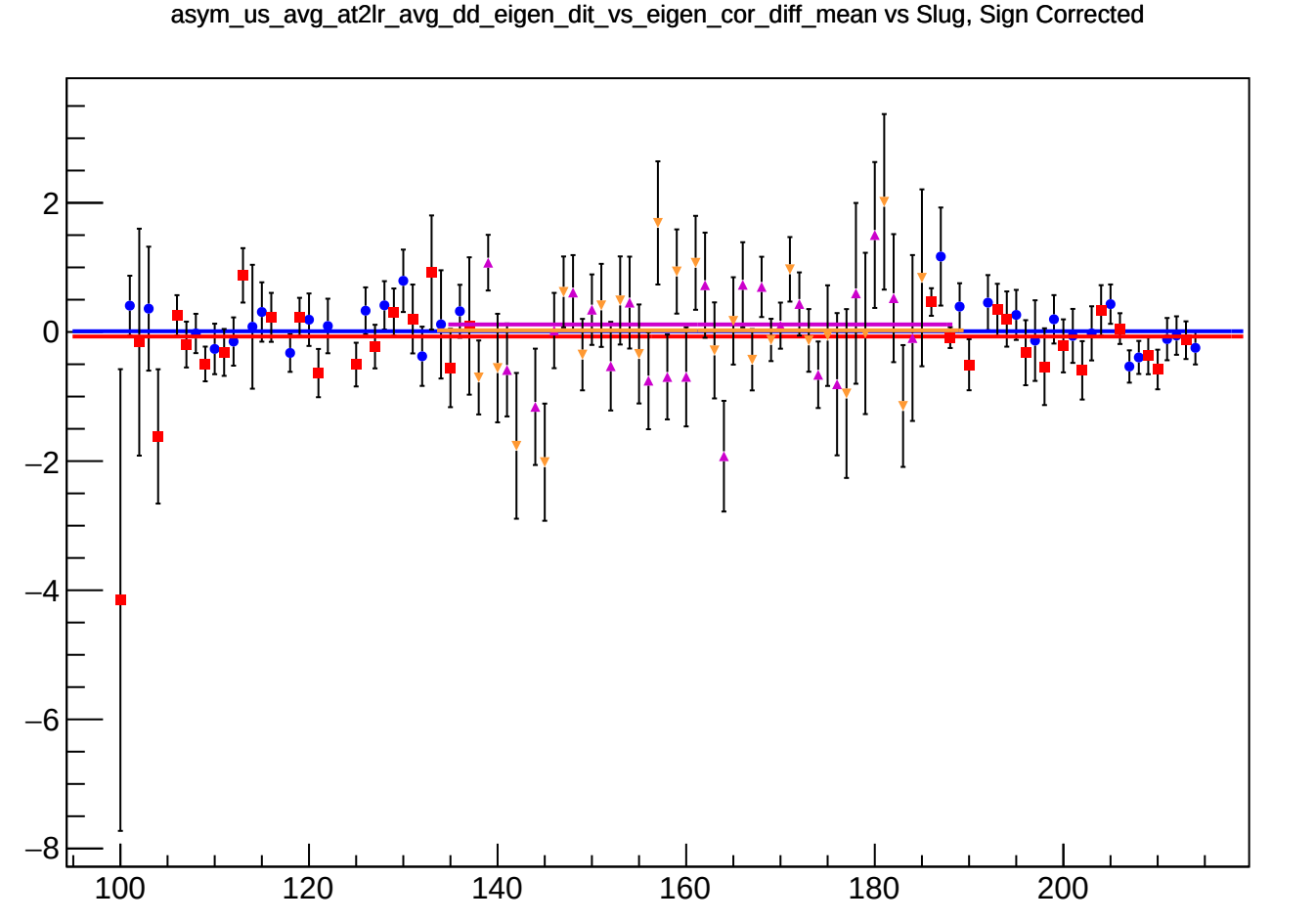
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 256.092+/-0.033 χ^2/NDF: 8115089.3/61

In: 332.034+/-0.043 χ^2/NDF:11634564.4/52

Out: 290.927+/-0.040 χ^2/NDF:17412782.8/55

All: 309.786+/-0.029 χ^2/NDF: 29537318.8/10



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

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

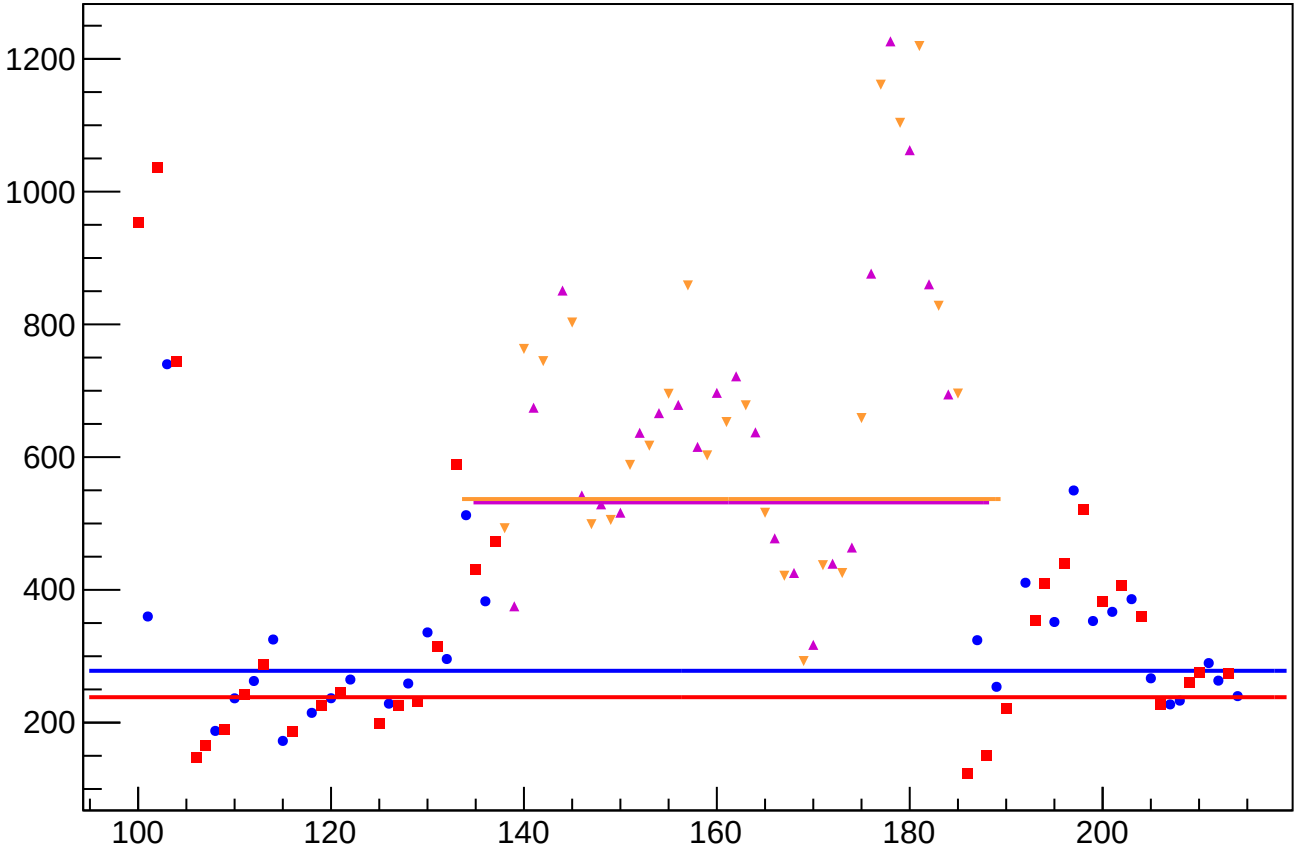
Right: -0.034+/-0.046 χ^2/NDF: 64.1/61

In: 0.034+/-0.061 χ^2/NDF:53.3/52

Out: -0.054+/-0.056 χ^2/NDF:67.8/55

All: -0.014+/-0.041 χ^2/NDF: 122.2/108

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 278.058+/-0.049 χ^2/NDF: 2477071.3/29

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 238.295+/-0.044 χ^2/NDF: 5269598.0/31

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

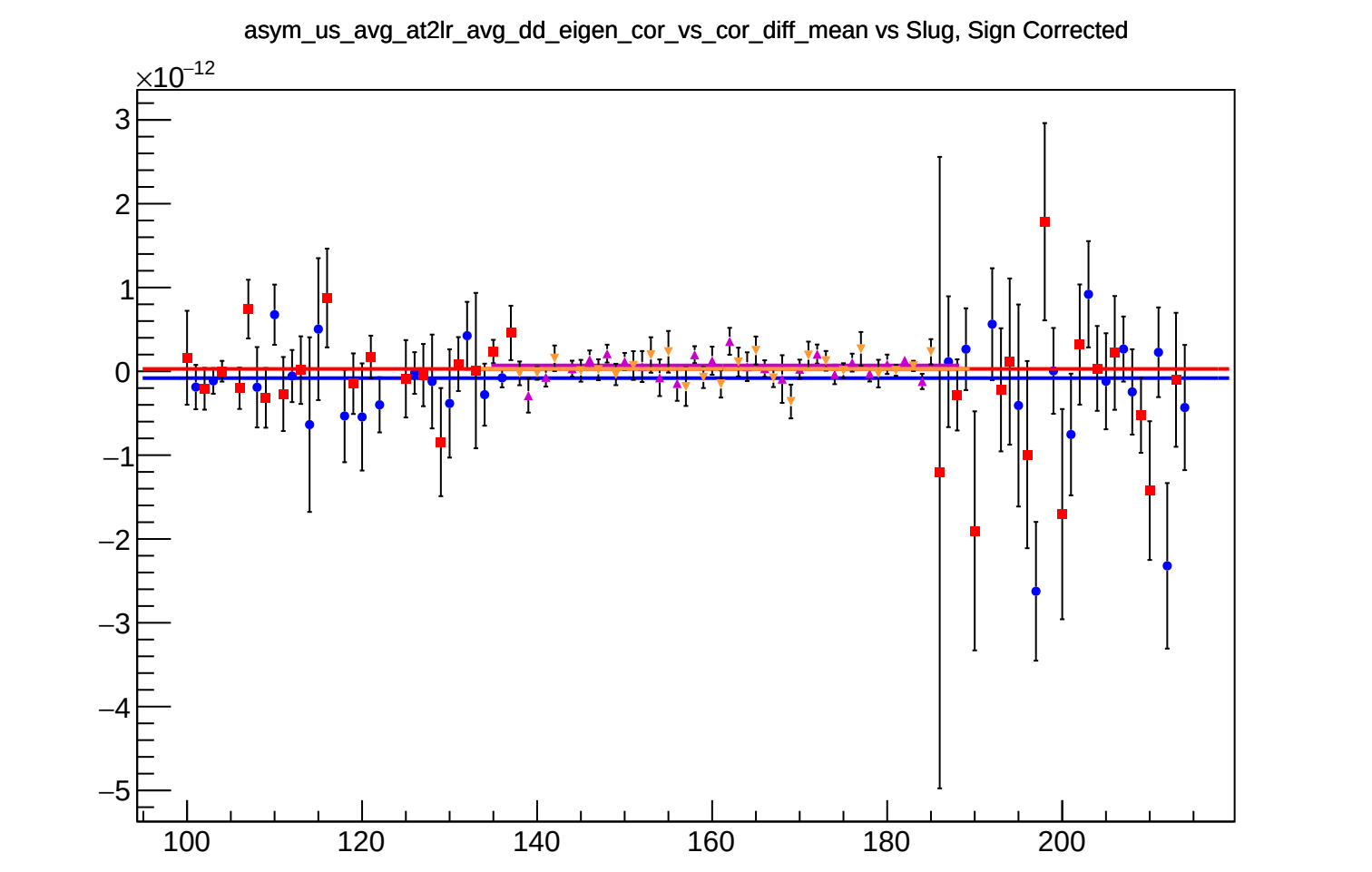
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 256.092+/-0.033 χ^2/NDF: 8115089.3/61

In: 332.034+/-0.043 χ^2/NDF:11634564.4/52

Out: 290.927+/-0.040 χ^2/NDF:17412782.8/55

All: 309.786+/-0.029 χ^2/NDF: 29537318.8/10



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

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

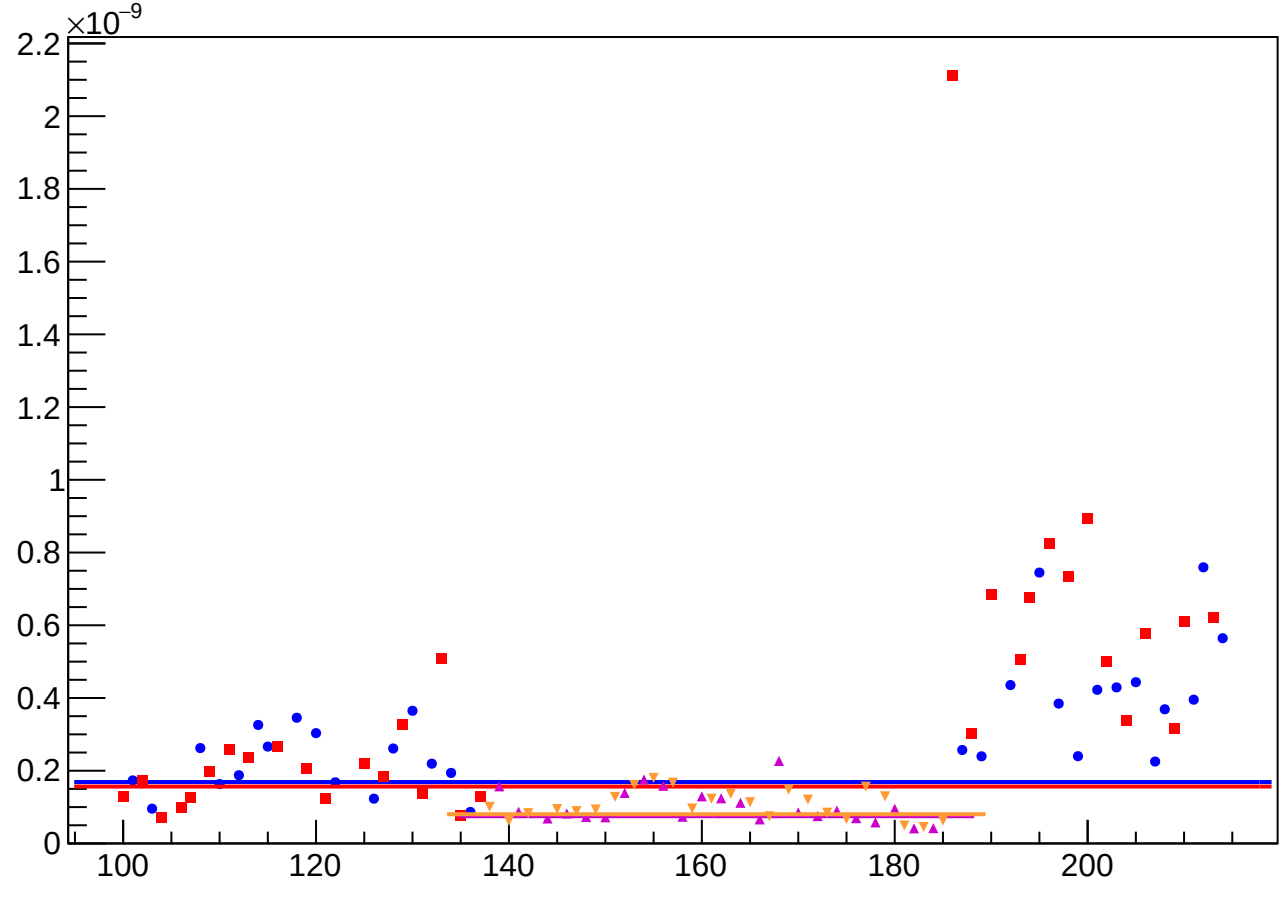
Right: -0.000+/-0.000 χ^2/NDF: 60.7/61

In: 0.000+/-0.000 χ^2/NDF:59.1/52

Out: 0.000+/-0.000 χ^2/NDF:46.2/55

All: 0.000+/-0.000 χ^2/NDF: 105.8/108

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

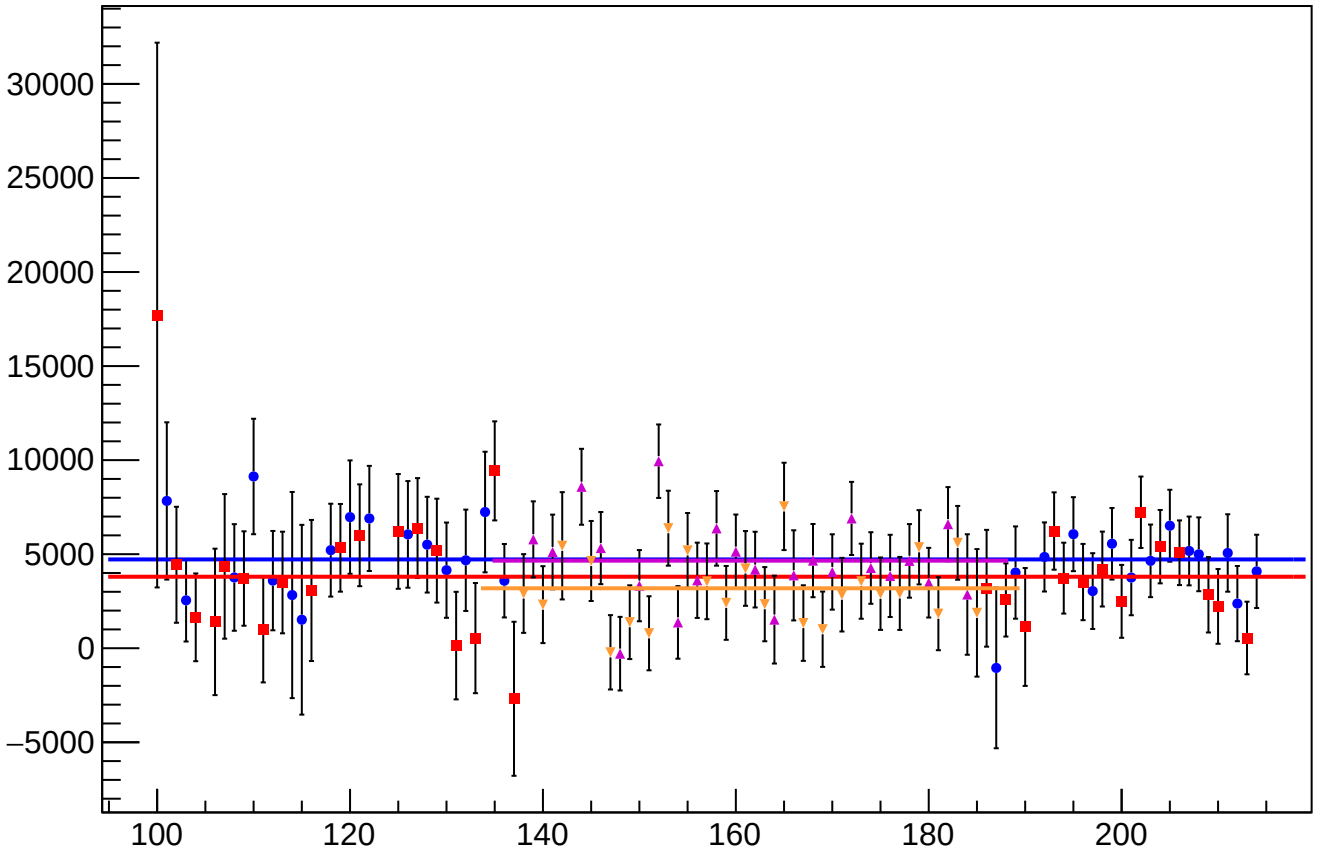
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 15927699.3/61

In: 0.000+/-0.000 χ^2/NDF:13891636.8/52

Out: 0.000+/-0.000 χ^2/NDF:15930637.7/55

All: 0.000+/-0.000 χ^2/NDF: 29870153.8/108



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

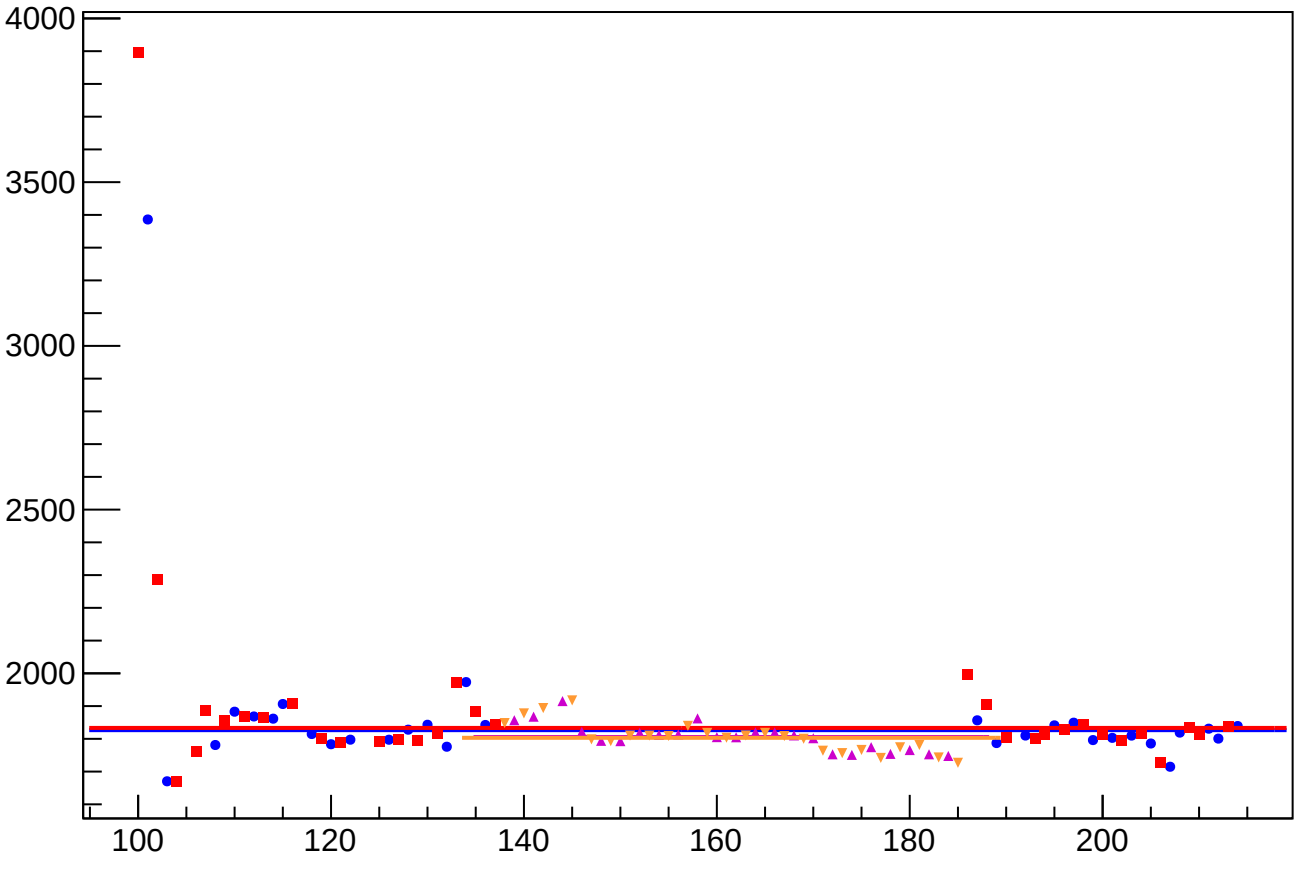
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4260.191+/-302.746 χ^2/NDF: 42.7/61

In: 4687.631+/-300.572 χ^2/NDF:40.6/52

Out: 3487.400+/-299.188 χ^2/NDF:48.4/55

All: 4084.746+/-212.045 χ^2/NDF: 97.0/108



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

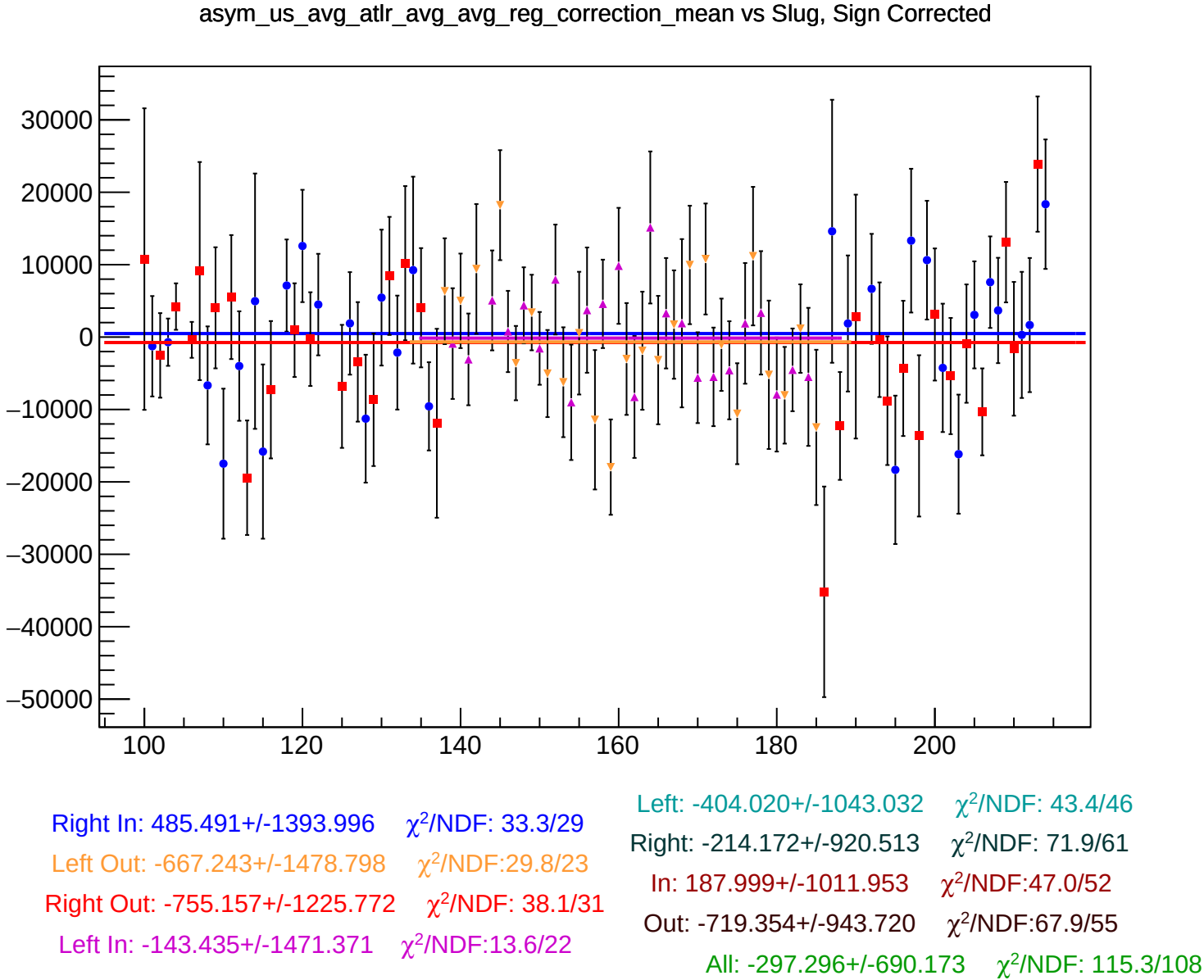
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

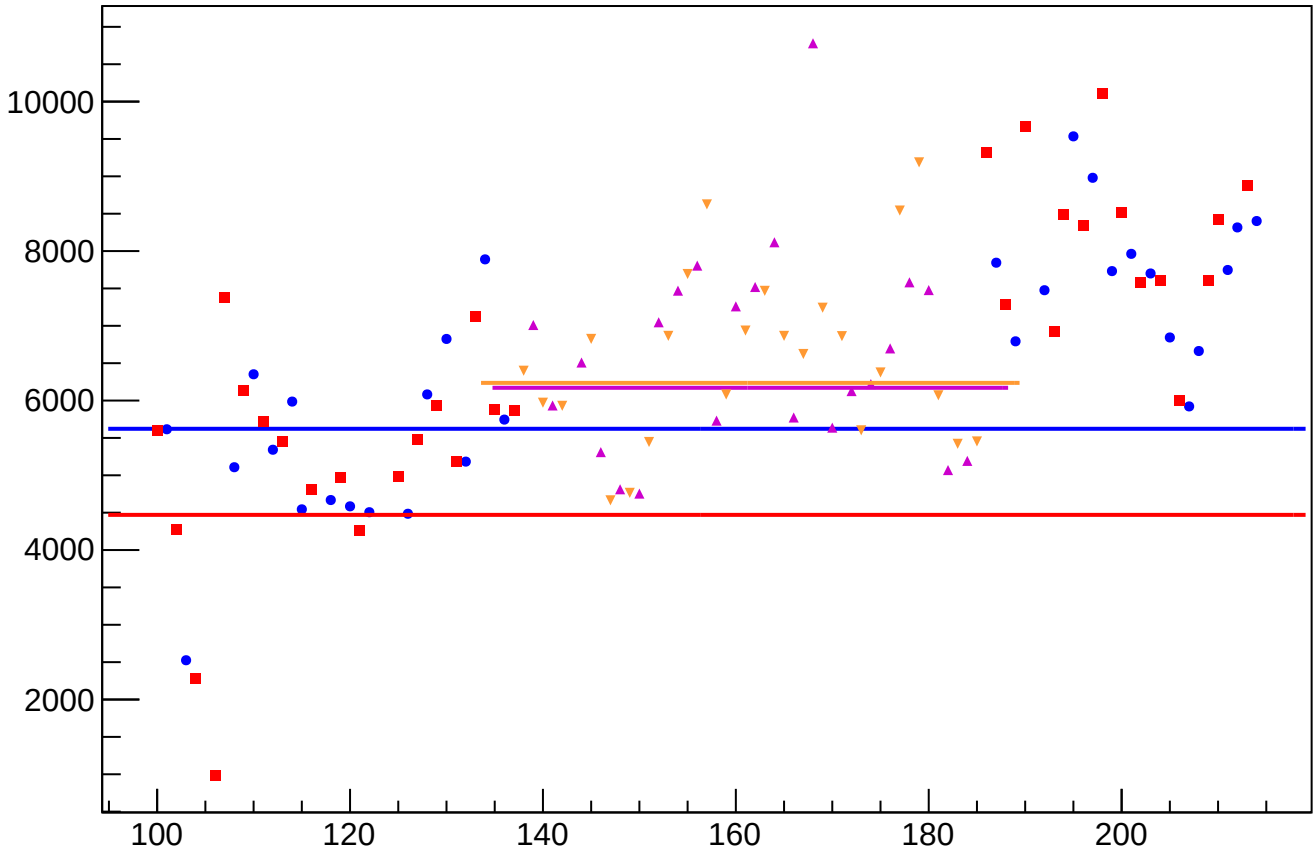
Right: 1829.916+/-0.214 χ^2/NDF: 429560.2/61

In: 1815.853+/-0.213 χ^2/NDF:329437.2/52

Out: 1817.912+/-0.211 χ^2/NDF:147348.2/55

All: 1816.888+/-0.150 χ^2/NDF: 476832.6/108


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 485.491+/-1393.996 χ²/NDF: 33.3/29
Left Out: -667.243+/-1478.798 χ²/NDF:29.8/23
Right Out: -755.157+/-1225.772 χ²/NDF: 38.1/31
Left In: -143.435+/-1471.371 χ²/NDF:13.6/22
Left: -404.020+/-1043.032 χ²/NDF: 43.4/46
Right: -214.172+/-920.513 χ²/NDF: 71.9/61
In: 187.999+/-1011.953 χ²/NDF:47.0/52
Out: -719.354+/-943.720 χ²/NDF:67.9/55
All: -297.296+/-690.173 χ²/NDF: 115.3/108



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

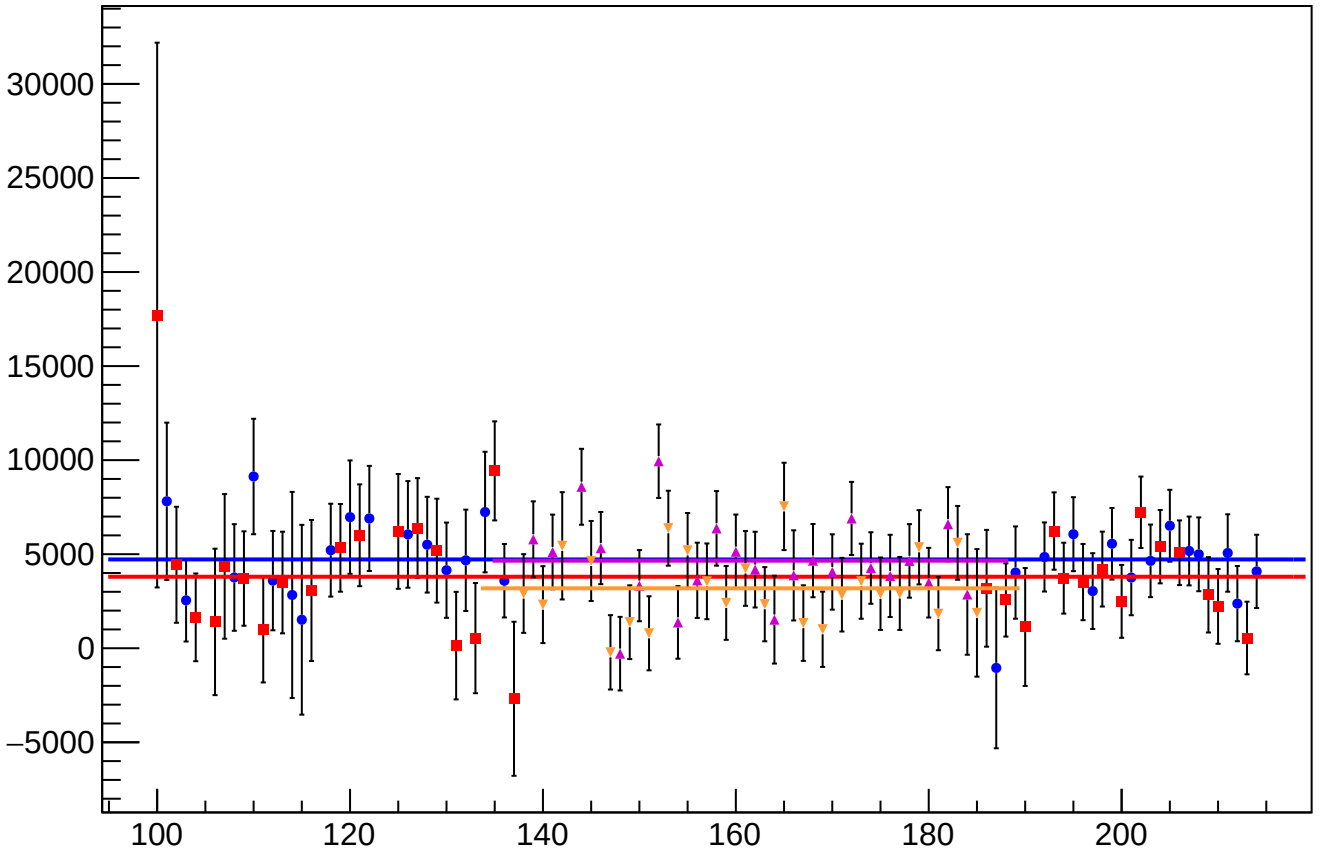
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 4972.758+/-0.651 χ^2/NDF: 14389385.0/61

In: 5881.726+/-0.716 χ^2/NDF:5189238.8/52

Out: 5189.804+/-0.667 χ^2/NDF:12572775.9/55

All: 5511.653+/-0.488 χ^2/NDF: 18262111.2/



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

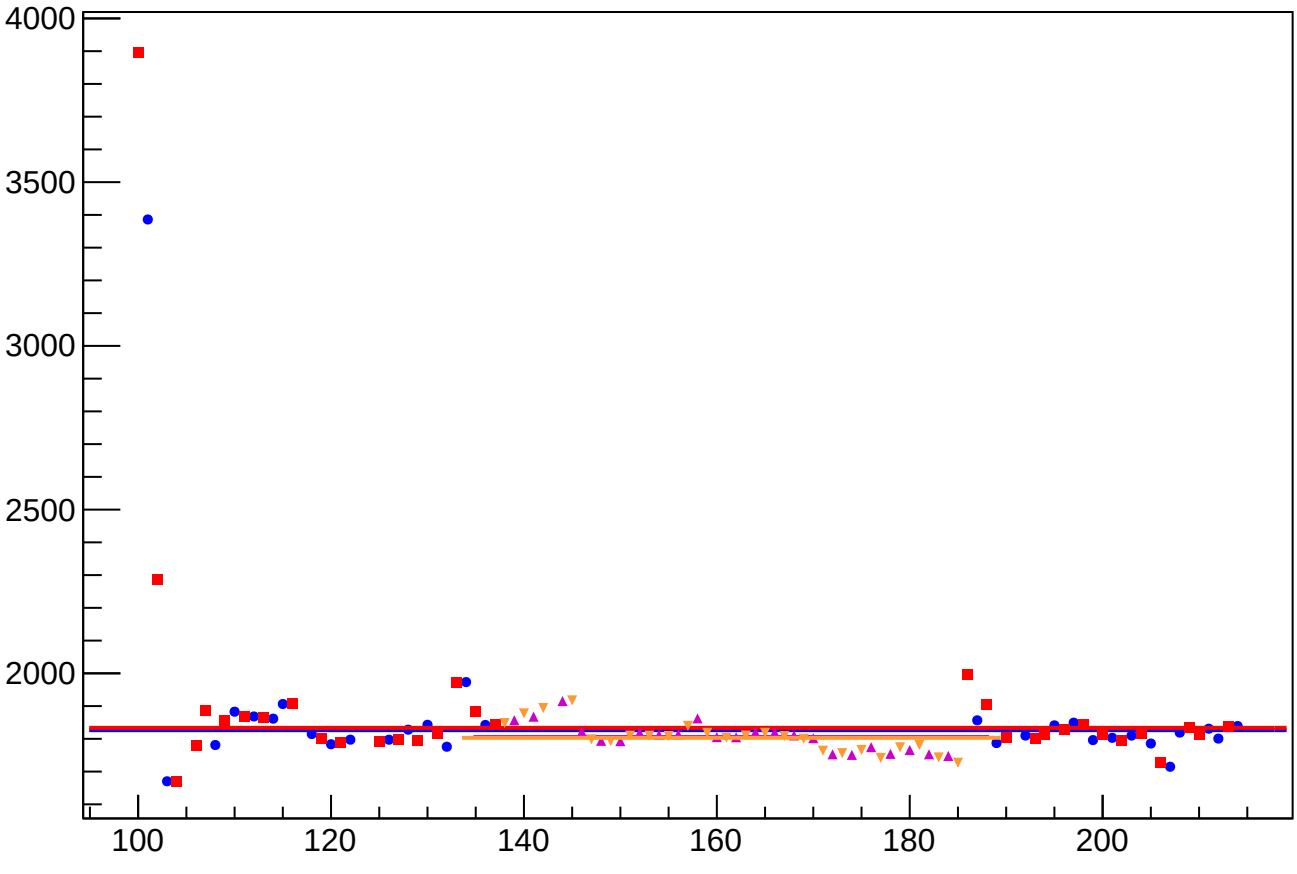
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4260.073+/-302.746 χ^2/NDF: 42.7/61

In: 4687.560+/-300.572 χ^2/NDF:40.6/52

Out: 3487.330+/-299.188 χ^2/NDF:48.4/55

All: 4084.675+/-212.045 χ^2/NDF: 97.0/108



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

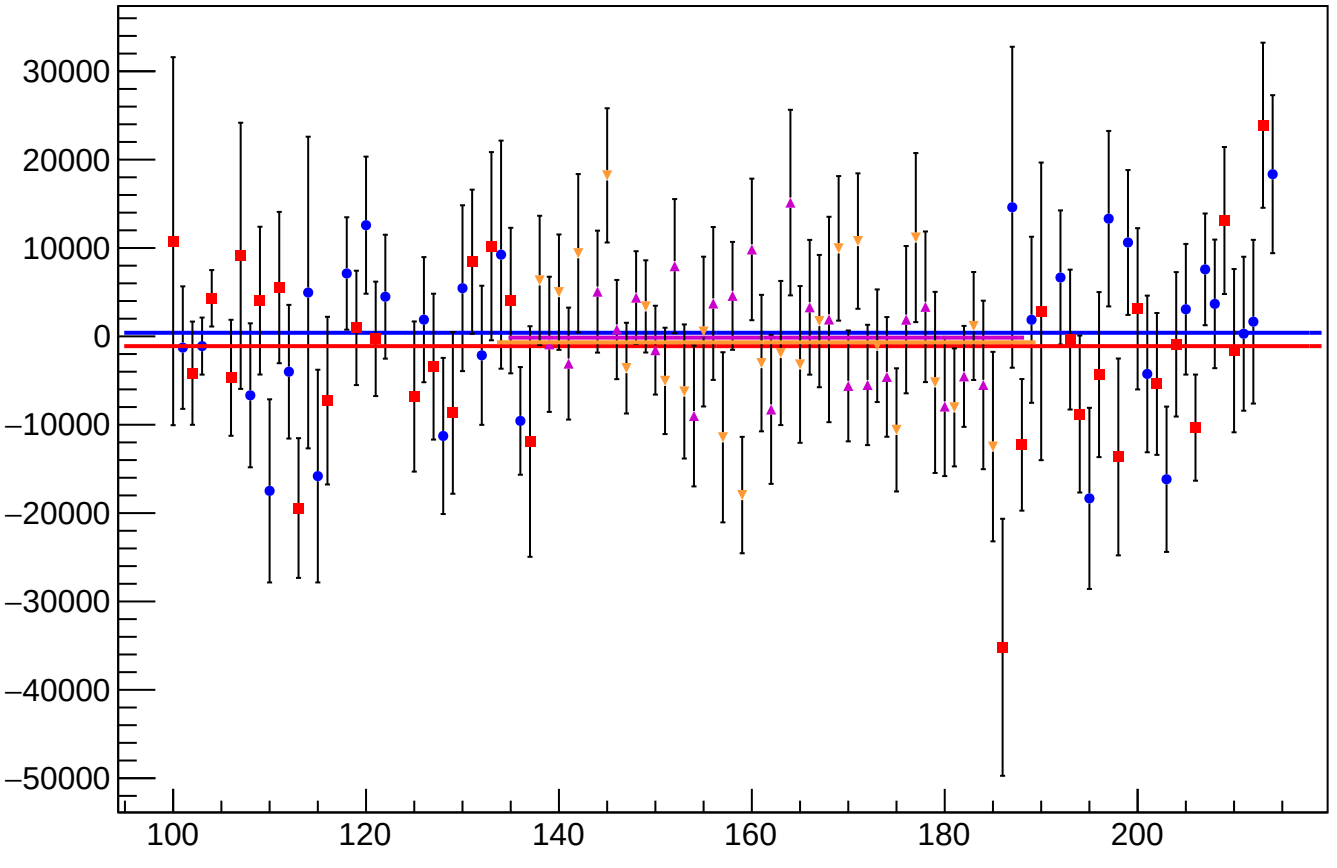
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1830.048+/-0.214 χ^2/NDF: 429230.2/61

In: 1815.853+/-0.213 χ^2/NDF:329439.0/52

Out: 1818.039+/-0.211 χ^2/NDF:147084.9/55

All: 1816.952+/-0.150 χ^2/NDF: 476577.1/108



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

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

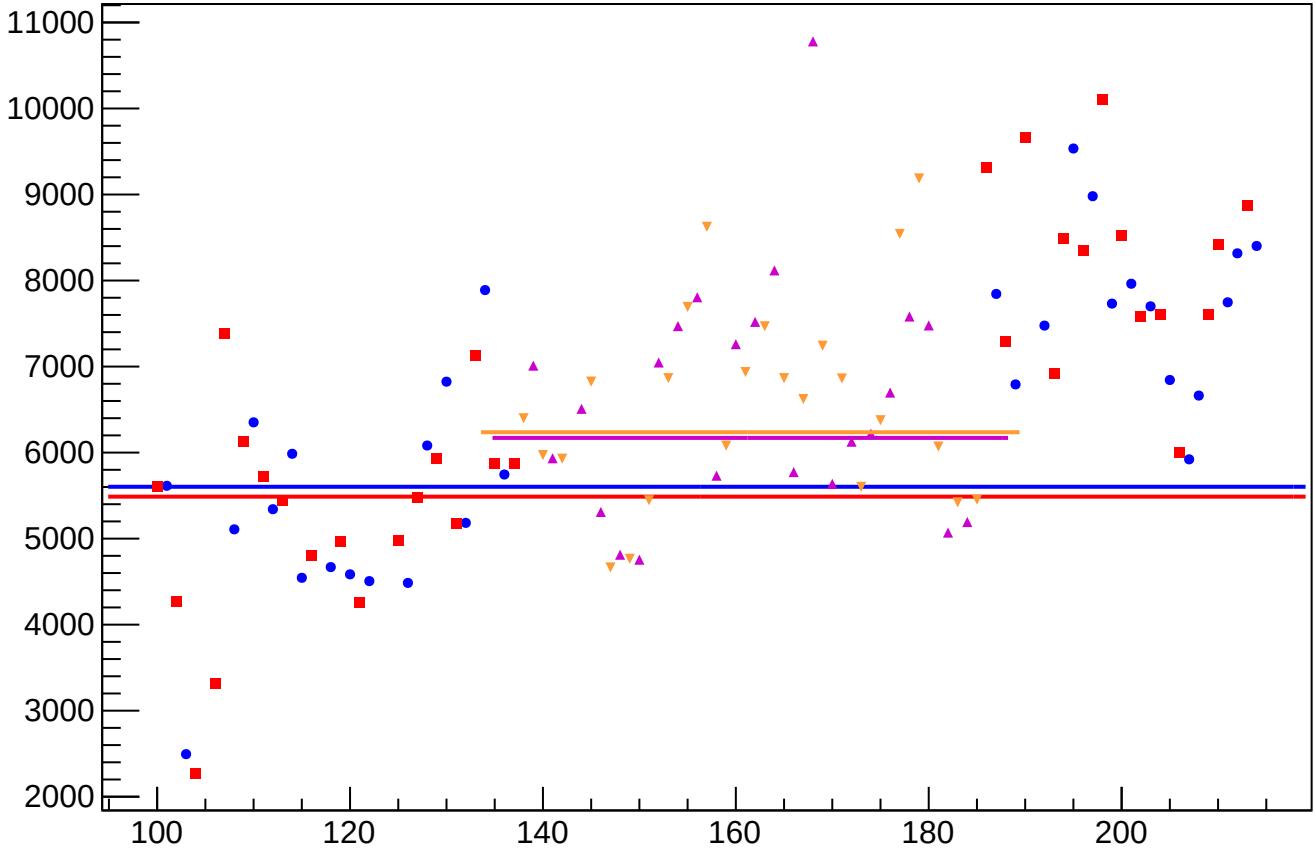
Right: -357.332+/-978.585 χ^2/NDF: 72.8/61

In: 147.111+/-1010.758 χ^2/NDF:47.0/52

Out: -902.368+/-1007.786 χ^2/NDF:68.6/55

All: -379.174+/-713.661 χ^2/NDF: 116.2/108

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



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

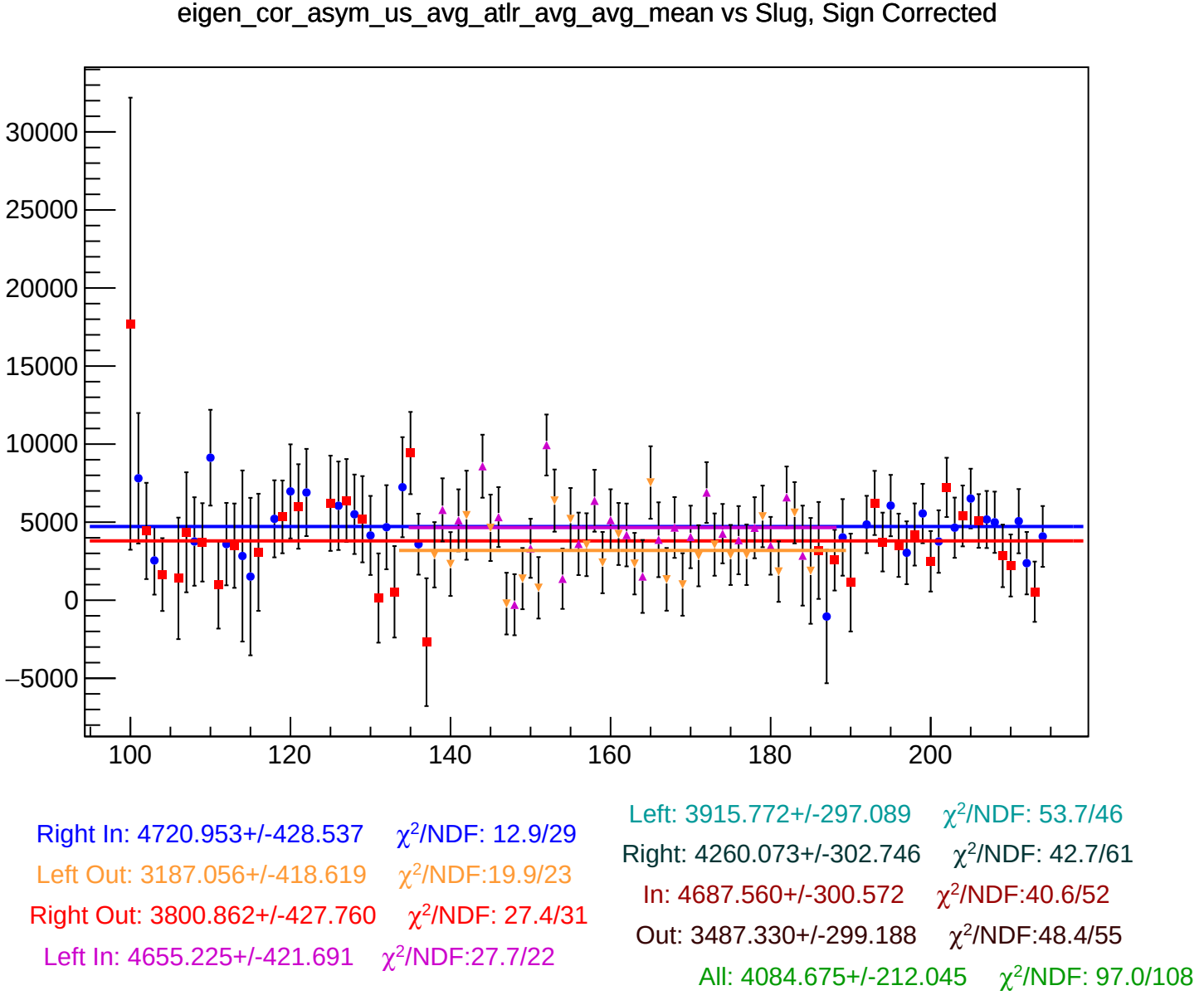
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

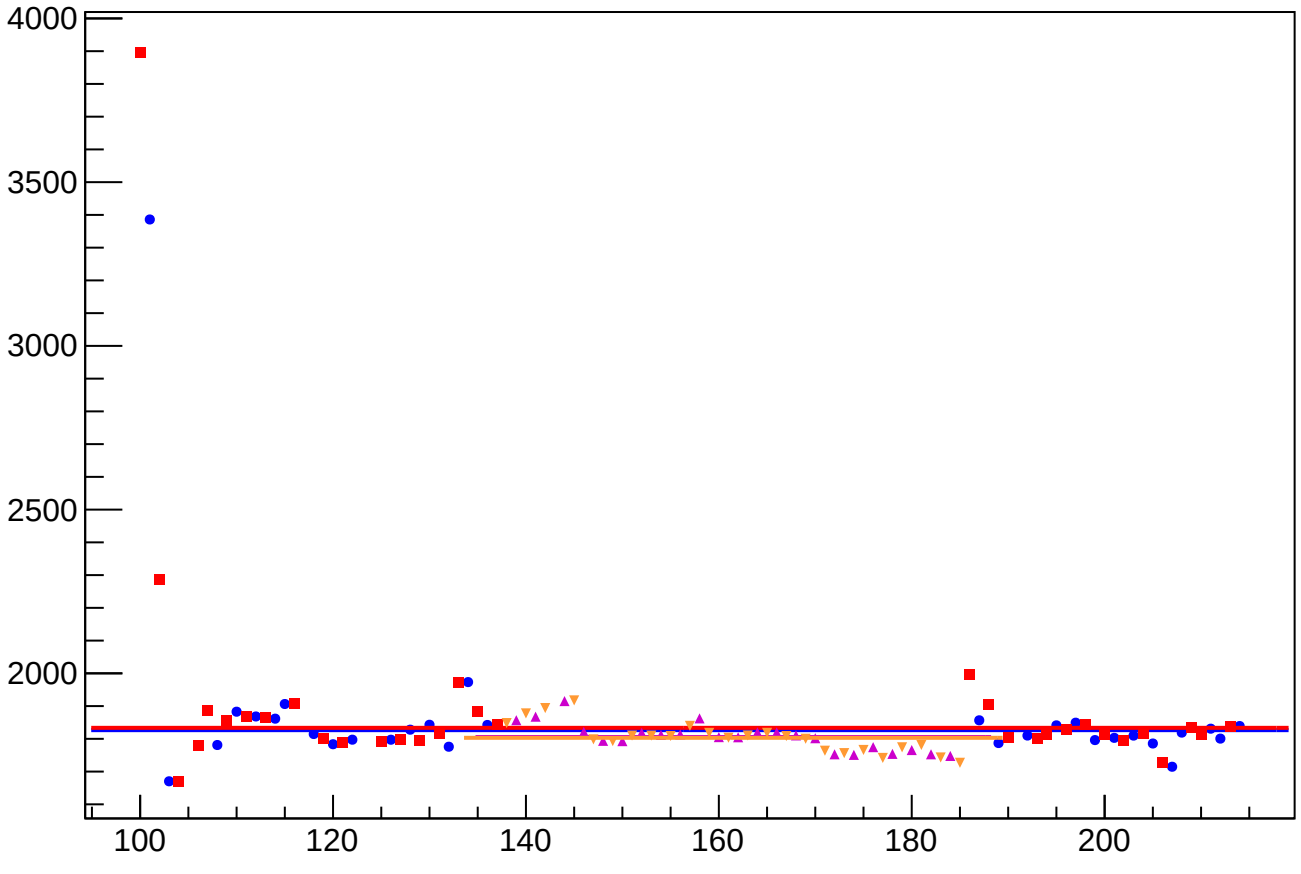
Right: 5544.790+/-0.692 χ^2/NDF: 8741240.6/61

In: 5870.783+/-0.715 χ^2/NDF:5280742.9/52

Out: 5835.698+/-0.713 χ^2/NDF:6190809.4/55

All: 5853.189+/-0.505 χ^2/NDF: 11472760.8/1


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: 4720.953+/-428.537 χ²/NDF: 12.9/29
Left Out: 3187.056+/-418.619 χ²/NDF:19.9/23
Right Out: 3800.862+/-427.760 χ²/NDF: 27.4/31
Left In: 4655.225+/-421.691 χ²/NDF:27.7/22
Left: 3915.772+/-297.089 χ²/NDF: 53.7/46
Right: 4260.073+/-302.746 χ²/NDF: 42.7/61
In: 4687.560+/-300.572 χ²/NDF:40.6/52
Out: 3487.330+/-299.188 χ²/NDF:48.4/55
All: 4084.675+/-212.045 χ²/NDF: 97.0/108



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

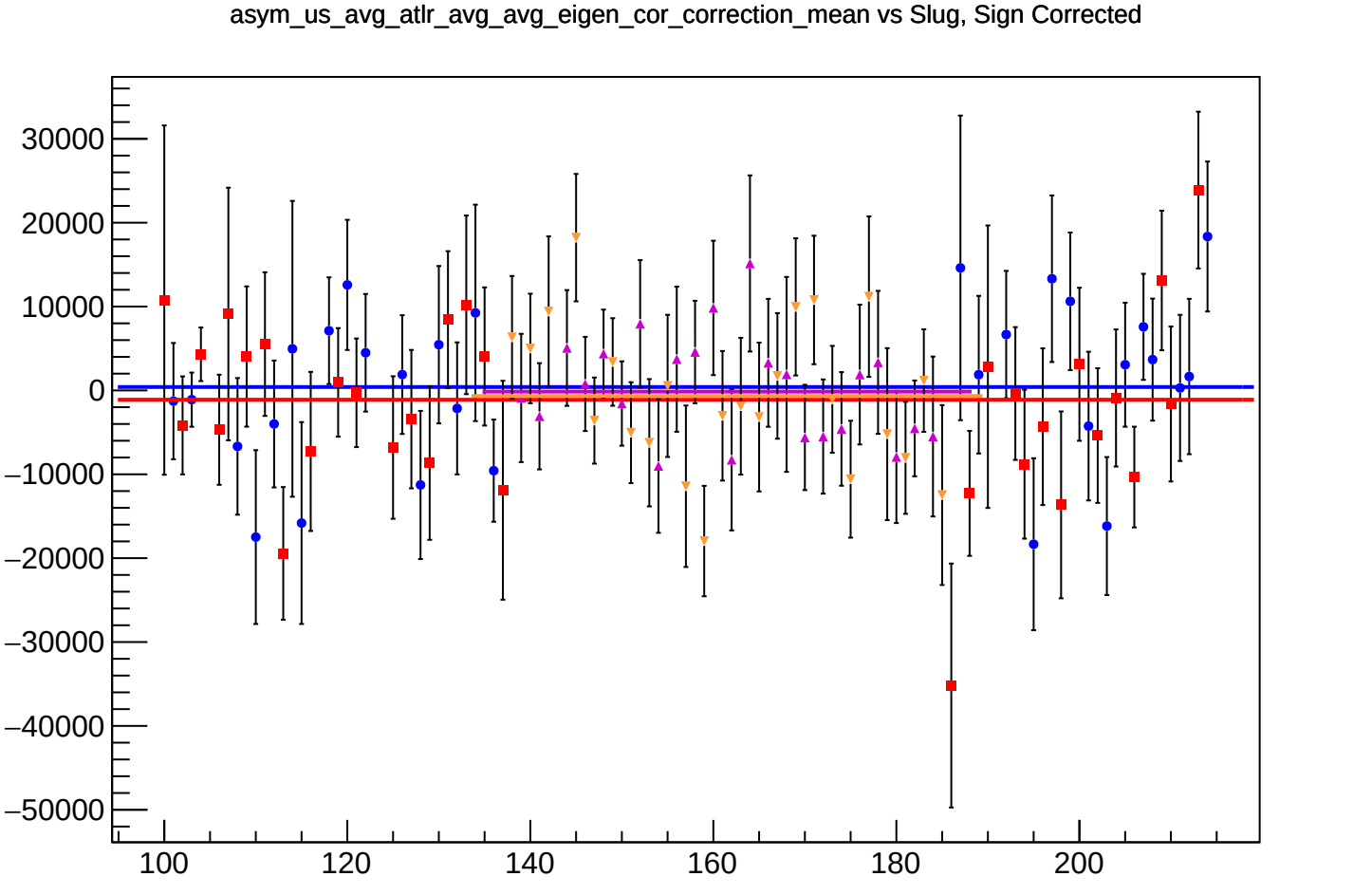
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1830.048+/-0.214 χ^2/NDF: 429230.2/61

In: 1815.853+/-0.213 χ^2/NDF:329439.0/52

Out: 1818.039+/-0.211 χ^2/NDF:147084.9/55

All: 1816.952+/-0.150 χ^2/NDF: 476577.1/108



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

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

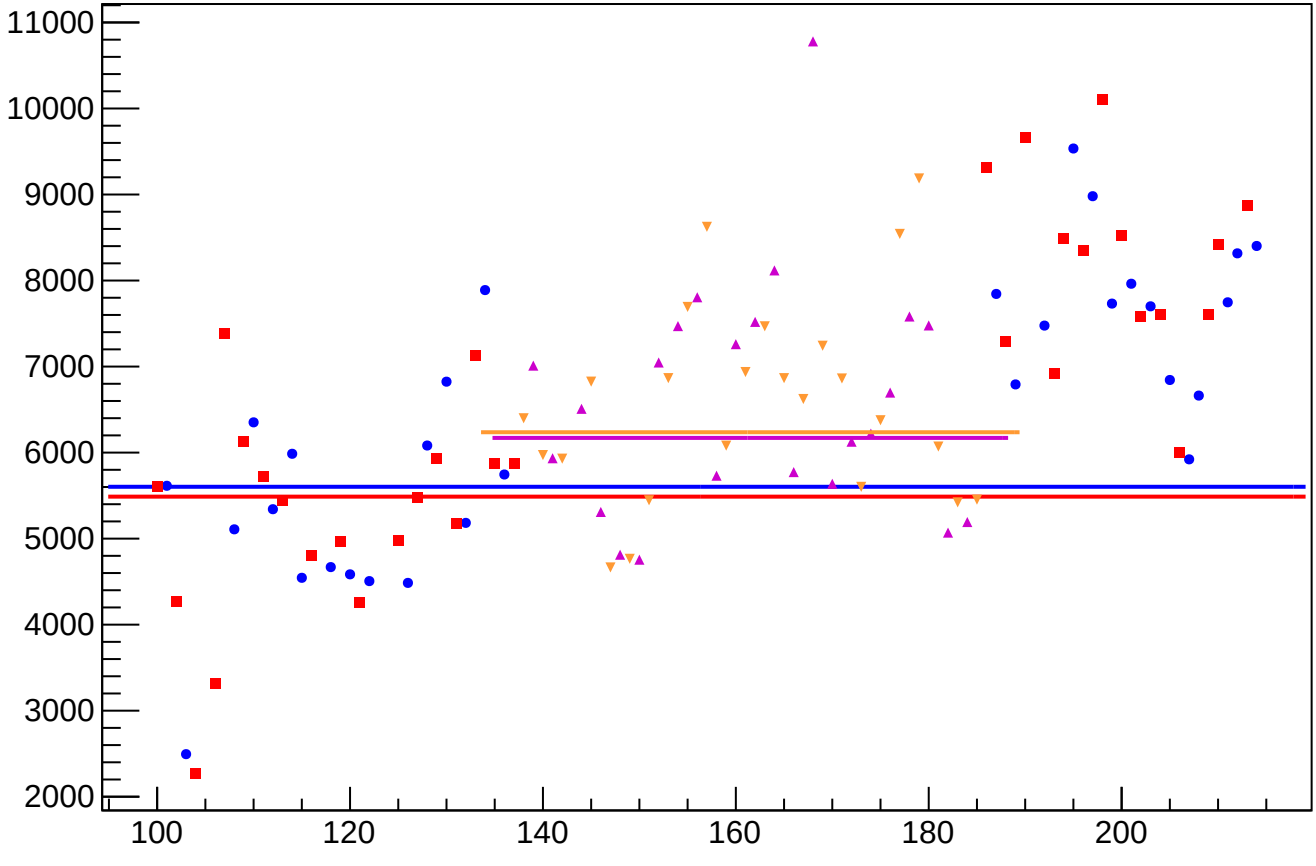
Right: -357.332+/-978.585 χ^2/NDF: 72.8/61

In: 147.111+/-1010.758 χ^2/NDF:47.0/52

Out: -902.368+/-1007.786 χ^2/NDF:68.6/55

All: -379.174+/-713.661 χ^2/NDF: 116.2/108

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

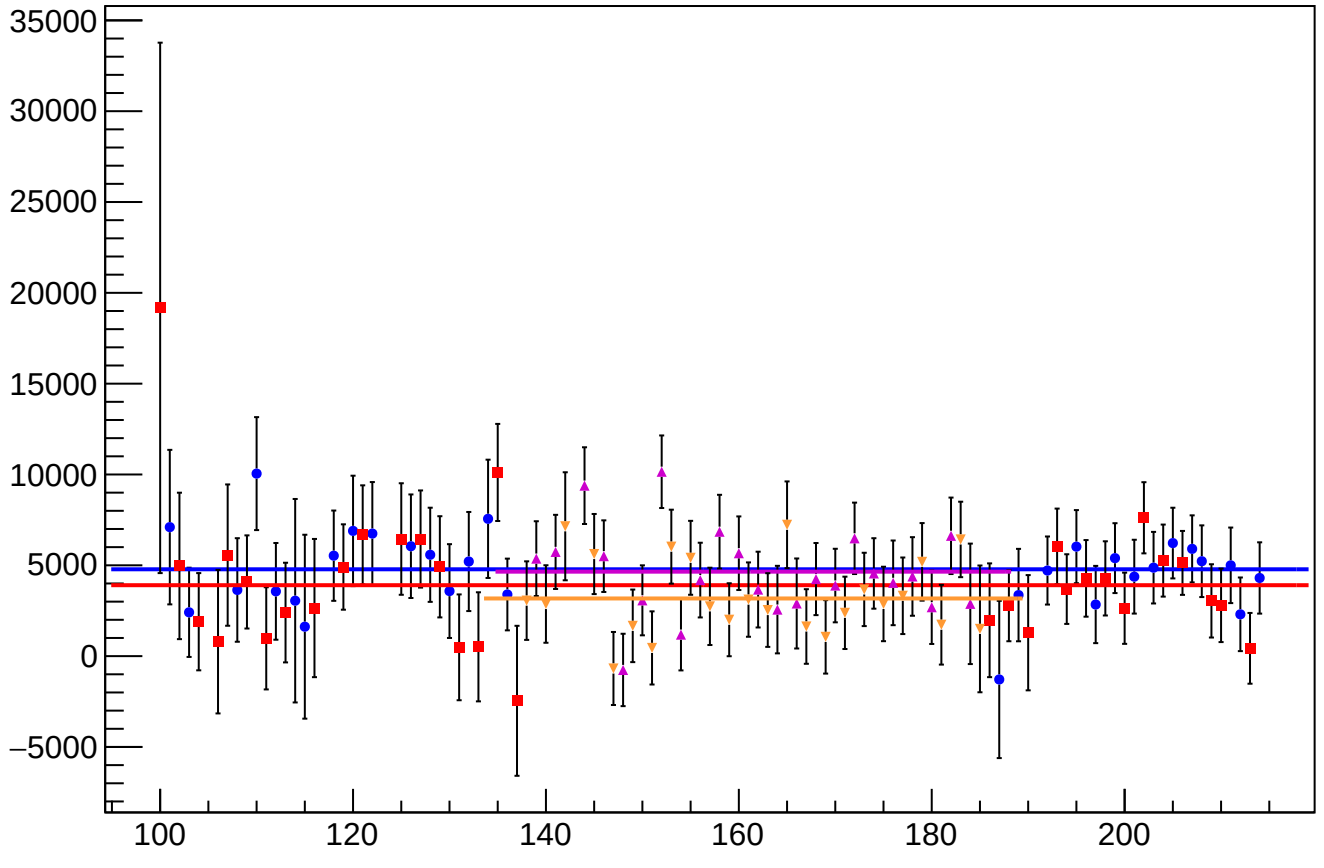
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5544.790+/-0.692 χ^2/NDF: 8741240.6/61

In: 5870.783+/-0.715 χ^2/NDF:5280742.9/52

Out: 5835.698+/-0.713 χ^2/NDF:6190809.4/55

All: 5853.189+/-0.505 χ^2/NDF: 11472760.8/1



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

Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

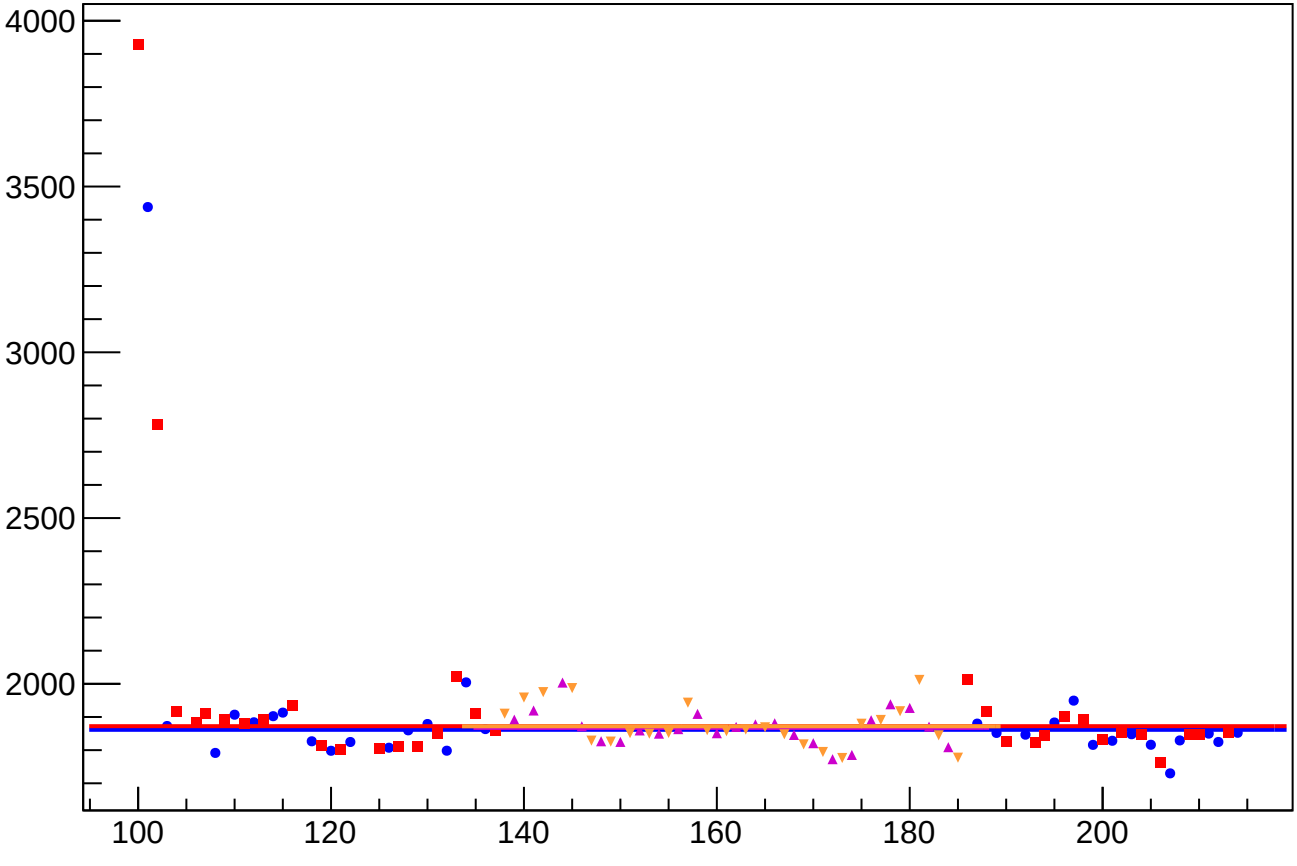
Right: 4344.038+/-309.243 χ^2/NDF: 44.5/61

In: 4715.585+/-308.653 χ^2/NDF:44.5/52

Out: 3537.249+/-308.534 χ^2/NDF:51.5/55

All: 4126.190+/-218.209 χ^2/NDF: 103.3/108

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



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

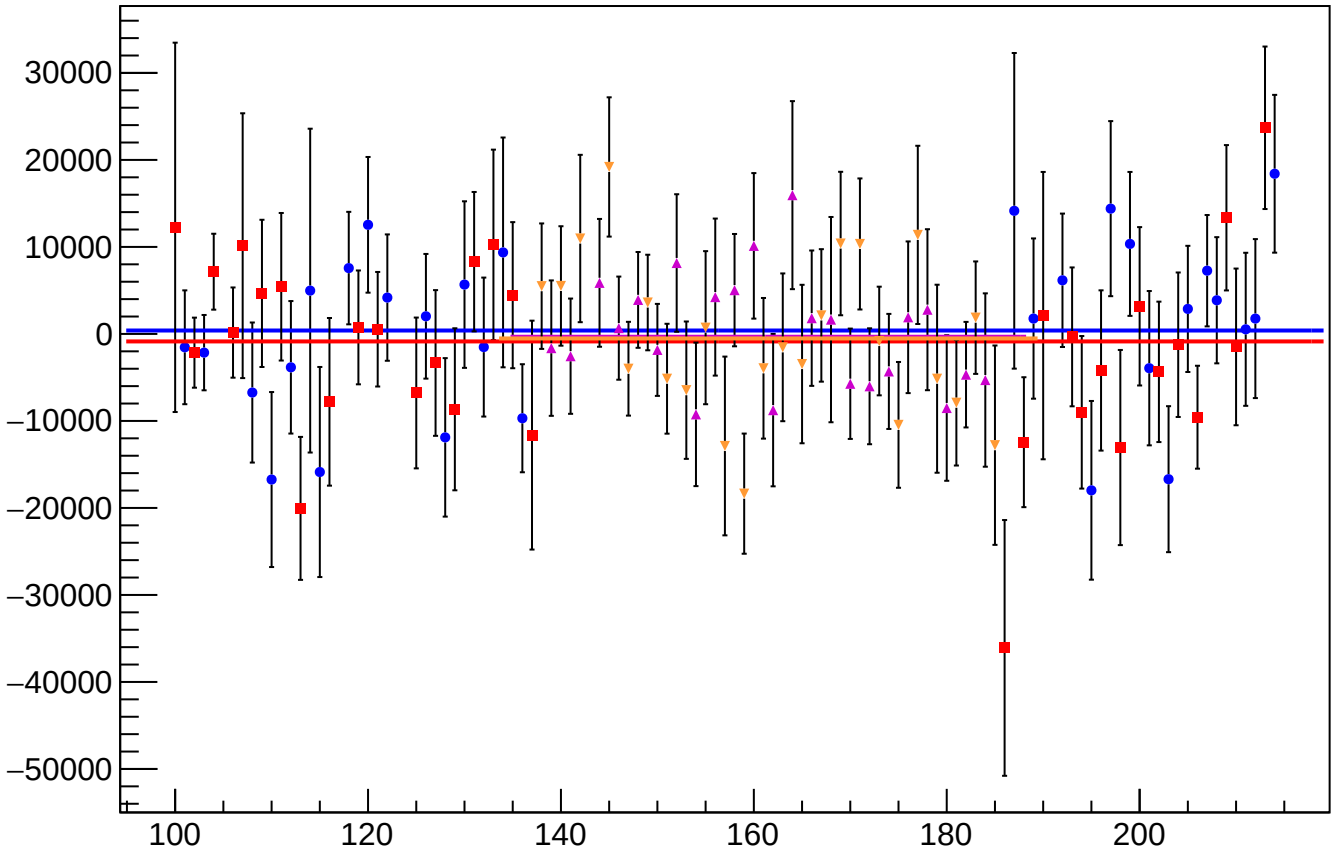
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1866.792+/-0.219 χ^2/NDF: 474502.3/61

In: 1864.204+/-0.218 χ^2/NDF:329858.2/52

Out: 1872.131+/-0.218 χ^2/NDF:208591.3/55

All: 1868.170+/-0.154 χ^2/NDF: 539109.5/108



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

Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

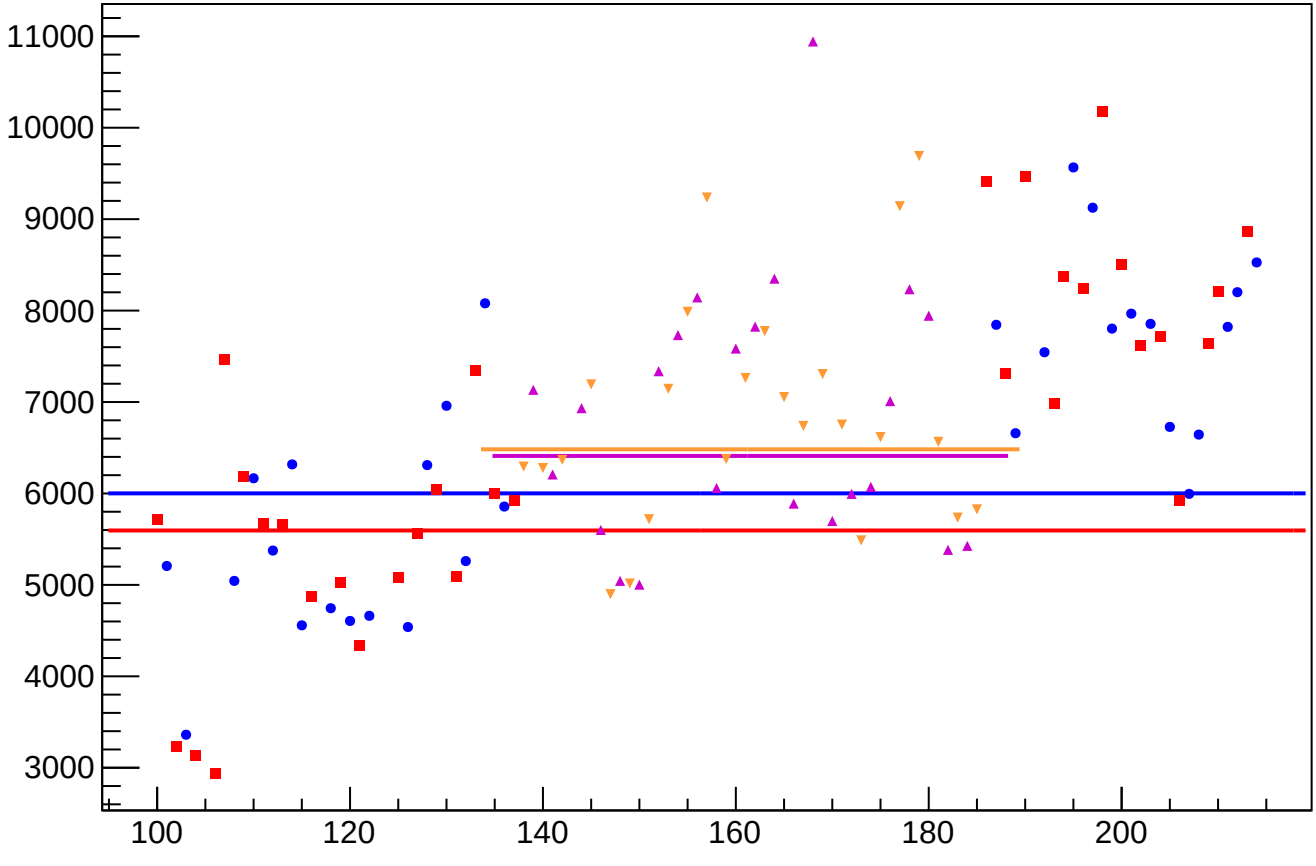
Right: -268.190+/-1002.666 χ^2/NDF: 72.4/61

In: 50.992+/-1054.825 χ^2/NDF:46.7/52

Out: -709.028+/-1027.239 χ^2/NDF:68.1/55

All: -339.086+/-735.927 χ^2/NDF: 115.0/108

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



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

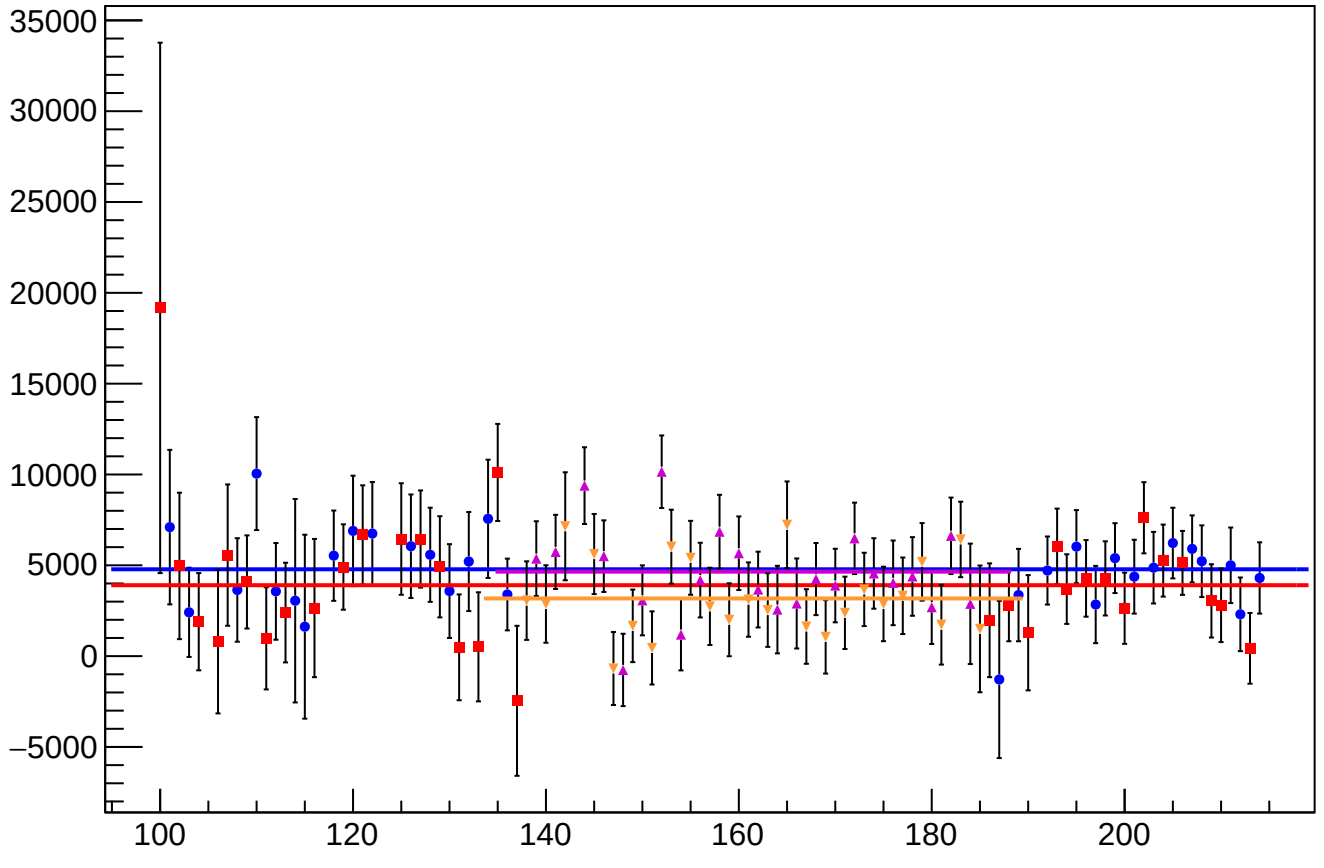
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5786.995+/-0.709 χ^2/NDF: 6718326.4/61

In: 6196.104+/-0.746 χ^2/NDF:3749912.1/52

Out: 5991.624+/-0.726 χ^2/NDF:5625461.3/55

All: 6091.155+/-0.520 χ^2/NDF: 9413947.8/10



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

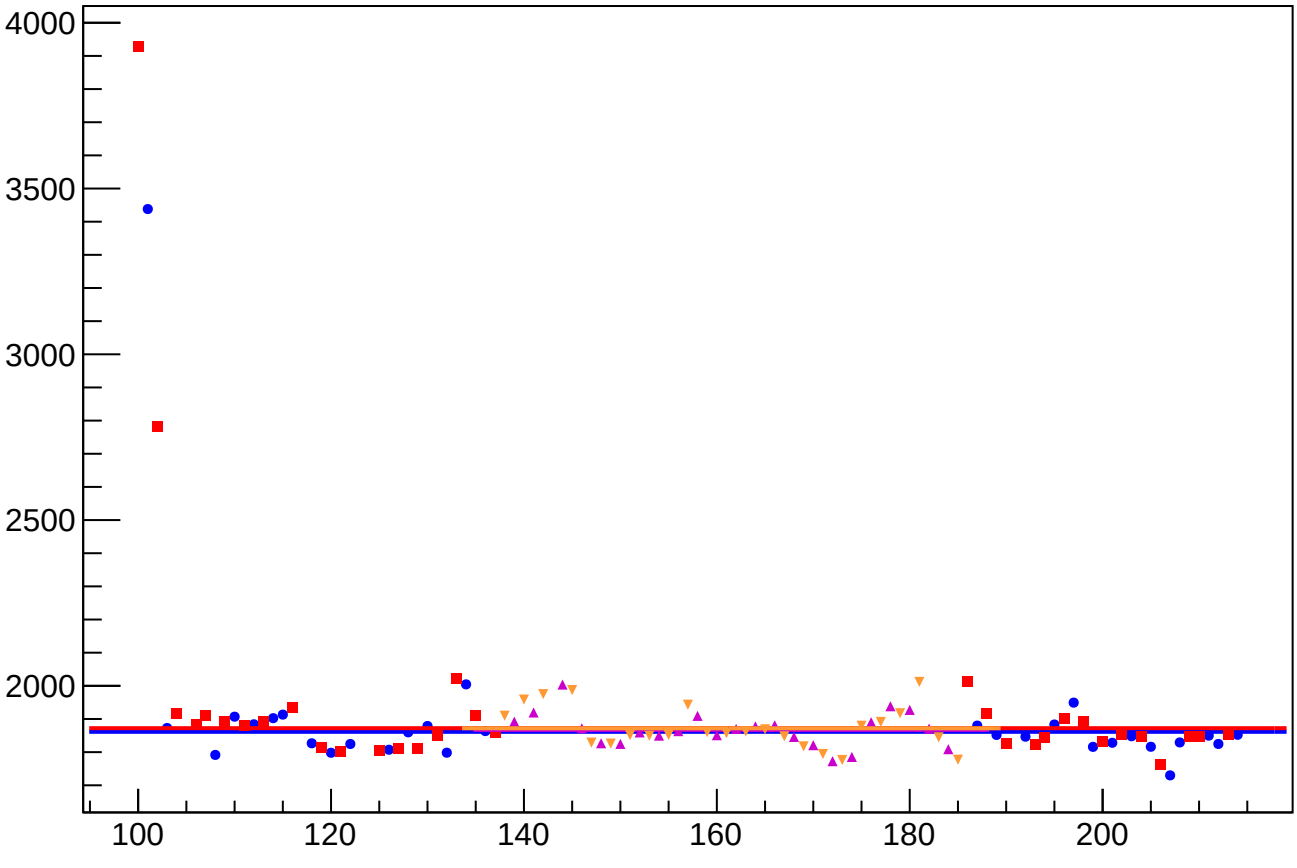
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4344.035+/-309.243 χ^2/NDF: 44.5/61

In: 4715.585+/-308.653 χ^2/NDF:44.5/52

Out: 3537.244+/-308.534 χ^2/NDF:51.5/55

All: 4126.188+/-218.209 χ^2/NDF: 103.3/108



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

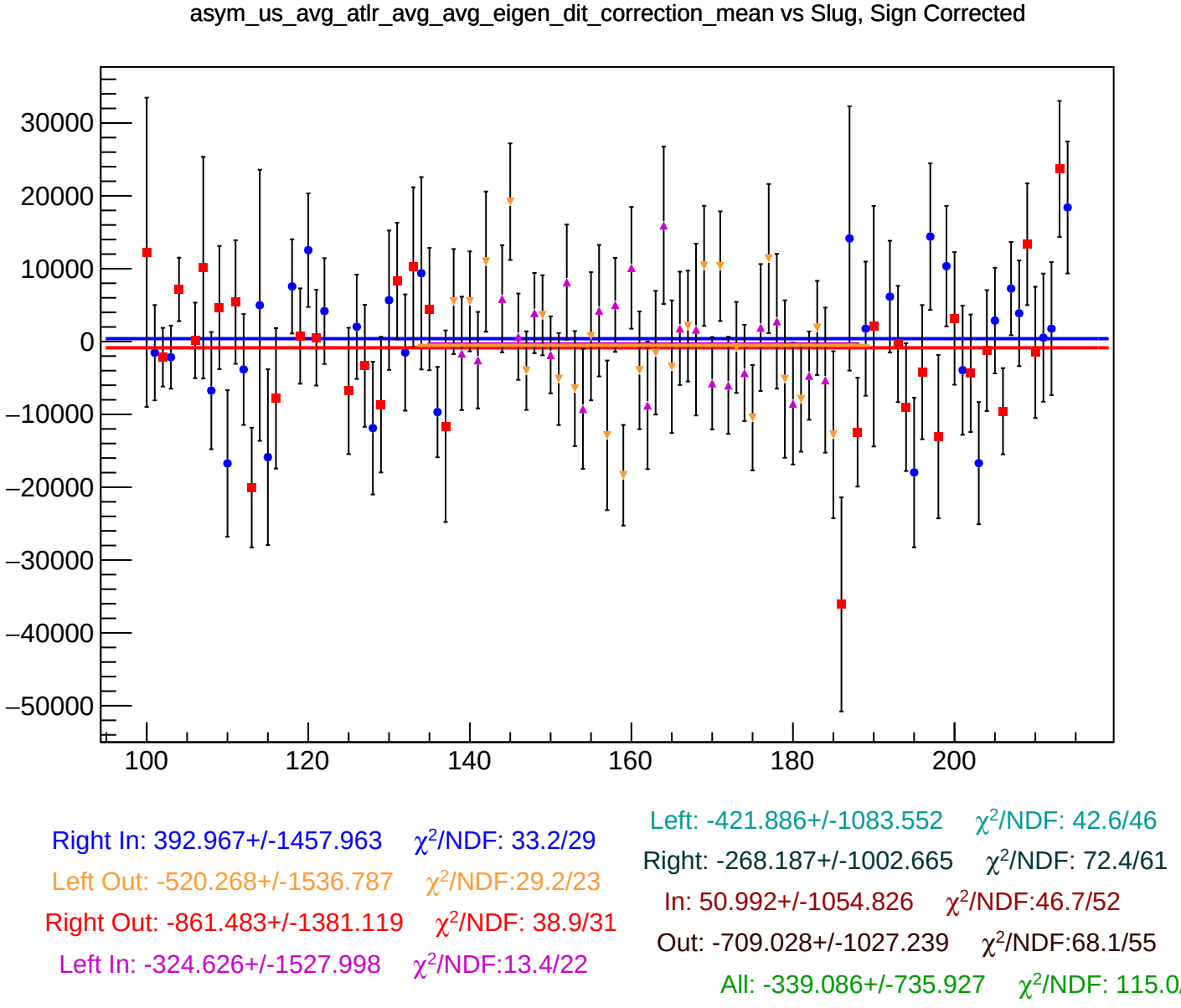
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1866.791+/-0.219 χ^2/NDF: 474501.5/61

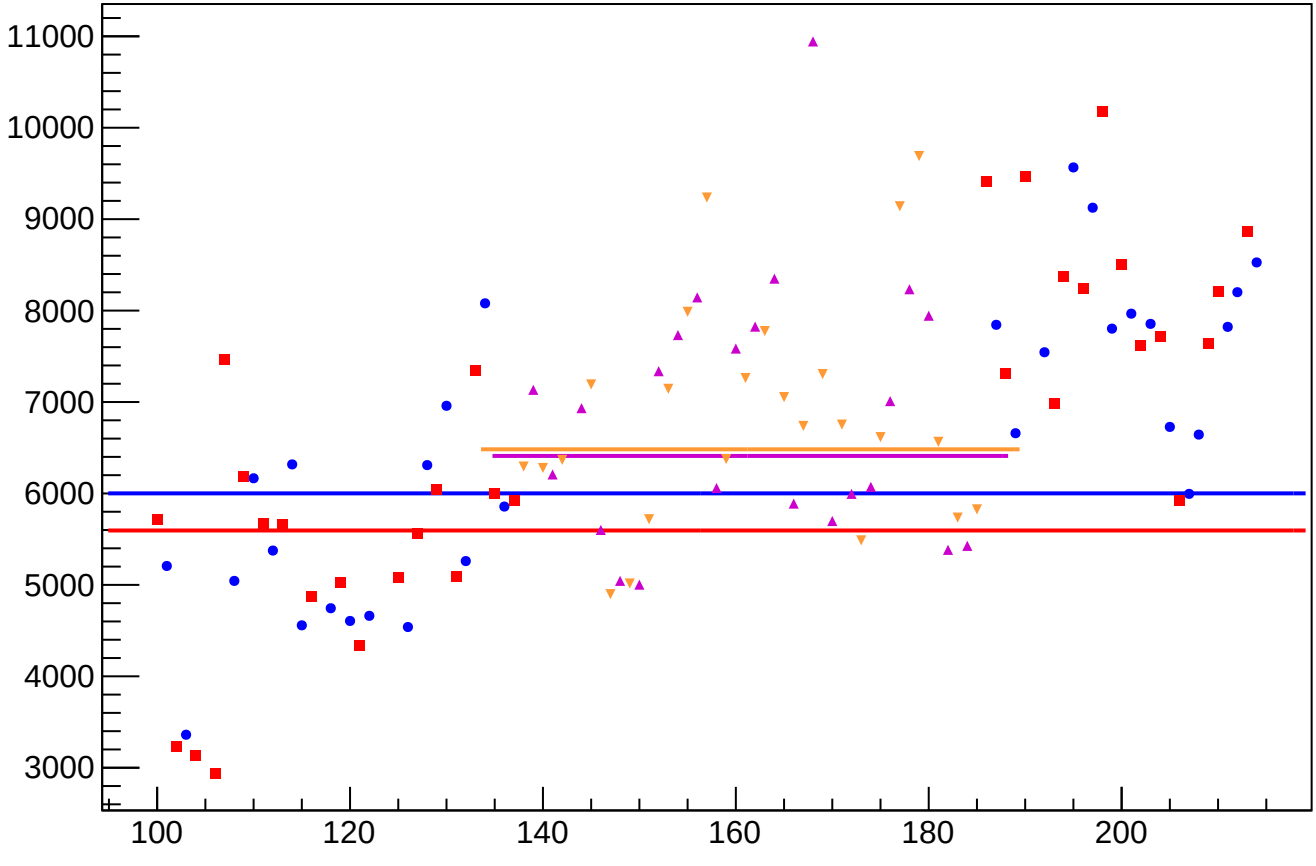
In: 1864.204+/-0.218 χ^2/NDF:329859.6/52

Out: 1872.132+/-0.218 χ^2/NDF:208591.4/55

All: 1868.170+/-0.154 χ^2/NDF: 539111.0/108


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 392.967+/-1457.963 χ²/NDF: 33.2/29
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: -861.483+/-1381.119 χ²/NDF: 38.9/31
Left In: -324.626+/-1527.998 χ²/NDF:13.4/22
Left: -421.886+/-1083.552 χ²/NDF: 42.6/46
Right: -268.187+/-1002.665 χ²/NDF: 72.4/61
In: 50.992+/-1054.826 χ²/NDF:46.7/52
Out: -709.028+/-1027.239 χ²/NDF:68.1/55
All: -339.086+/-735.927 χ²/NDF: 115.0/108

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

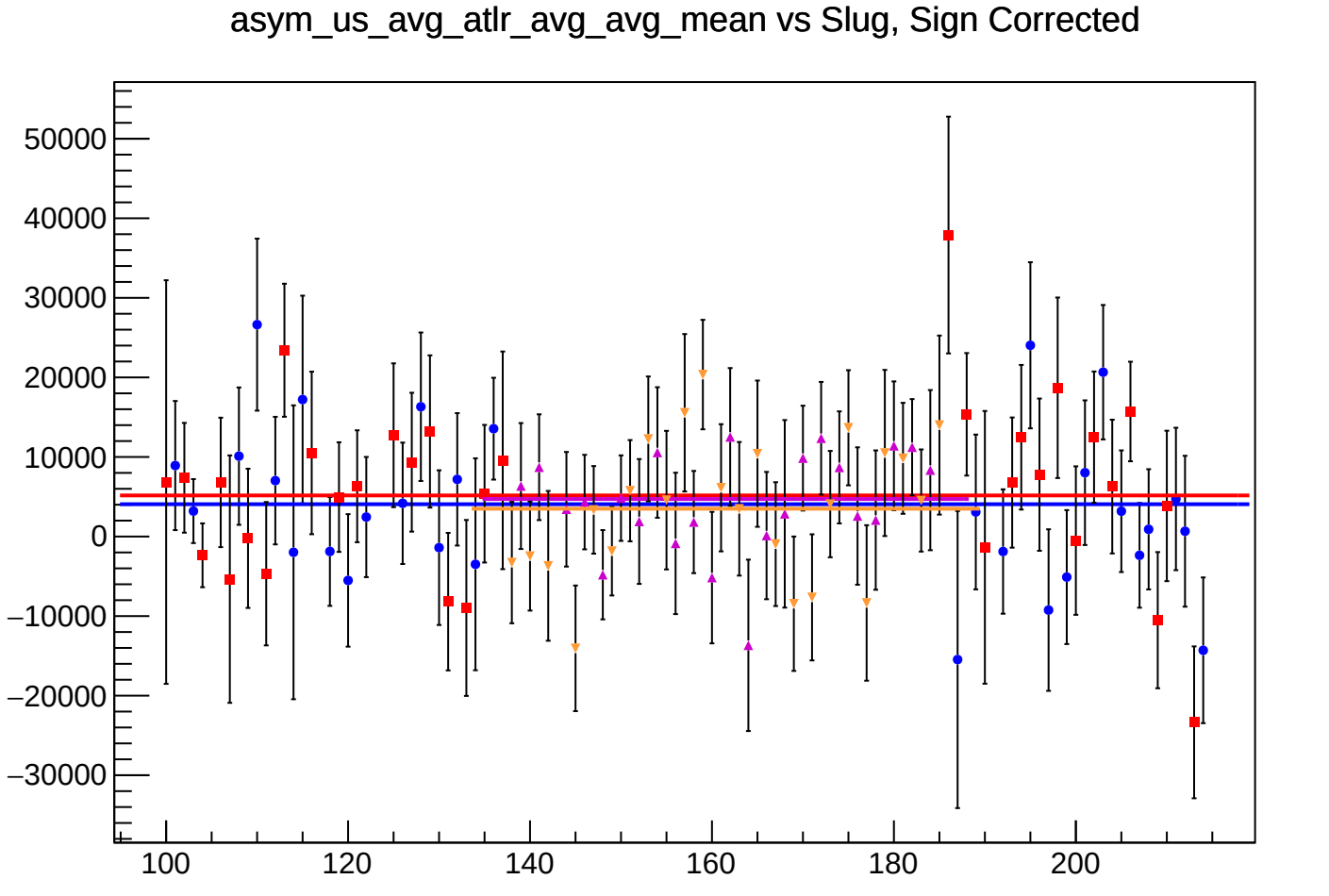
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5786.986+/-0.709 χ^2/NDF: 6718393.8/61

In: 6196.104+/-0.746 χ^2/NDF:3749954.2/52

Out: 5991.622+/-0.726 χ^2/NDF:5625513.6/55

All: 6091.154+/-0.520 χ^2/NDF: 9414043.0/10



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

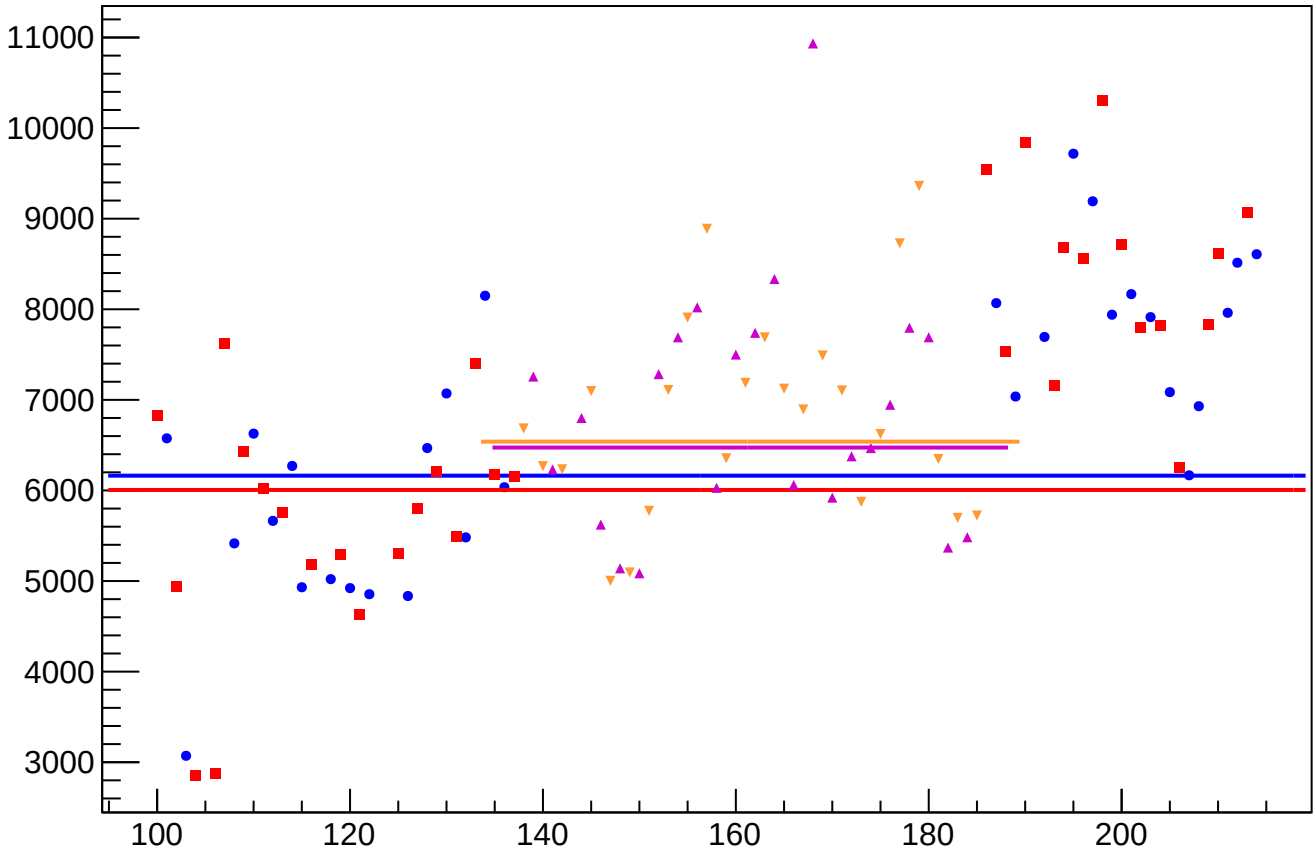
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 4615.024+/-1062.388 χ^2/NDF: 73.0/61

In: 4383.695+/-1075.356 χ^2/NDF:45.3/52

Out: 4355.528+/-1077.185 χ^2/NDF:69.8/55

All: 4369.635+/-761.037 χ^2/NDF: 115.1/108



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

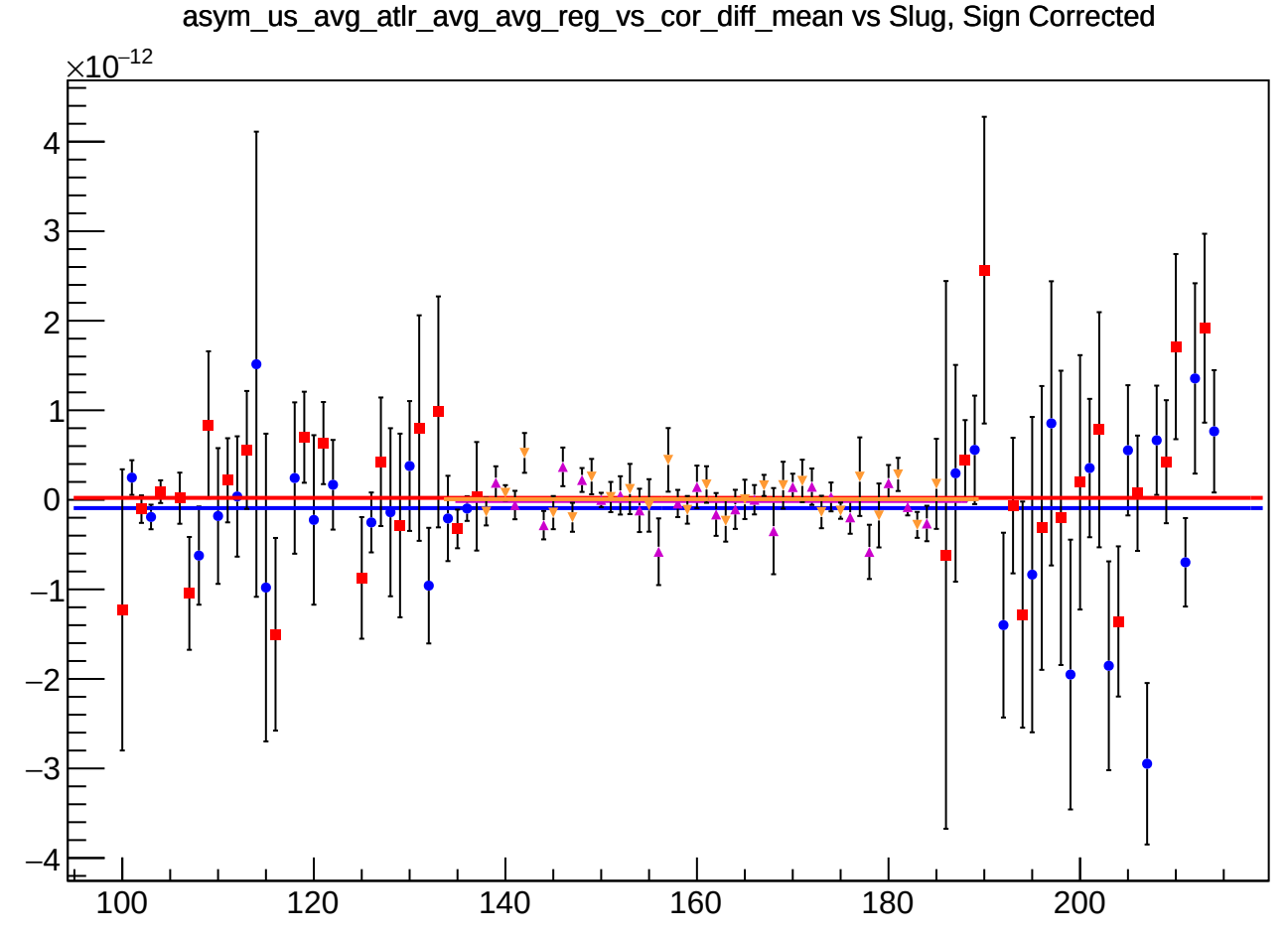
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

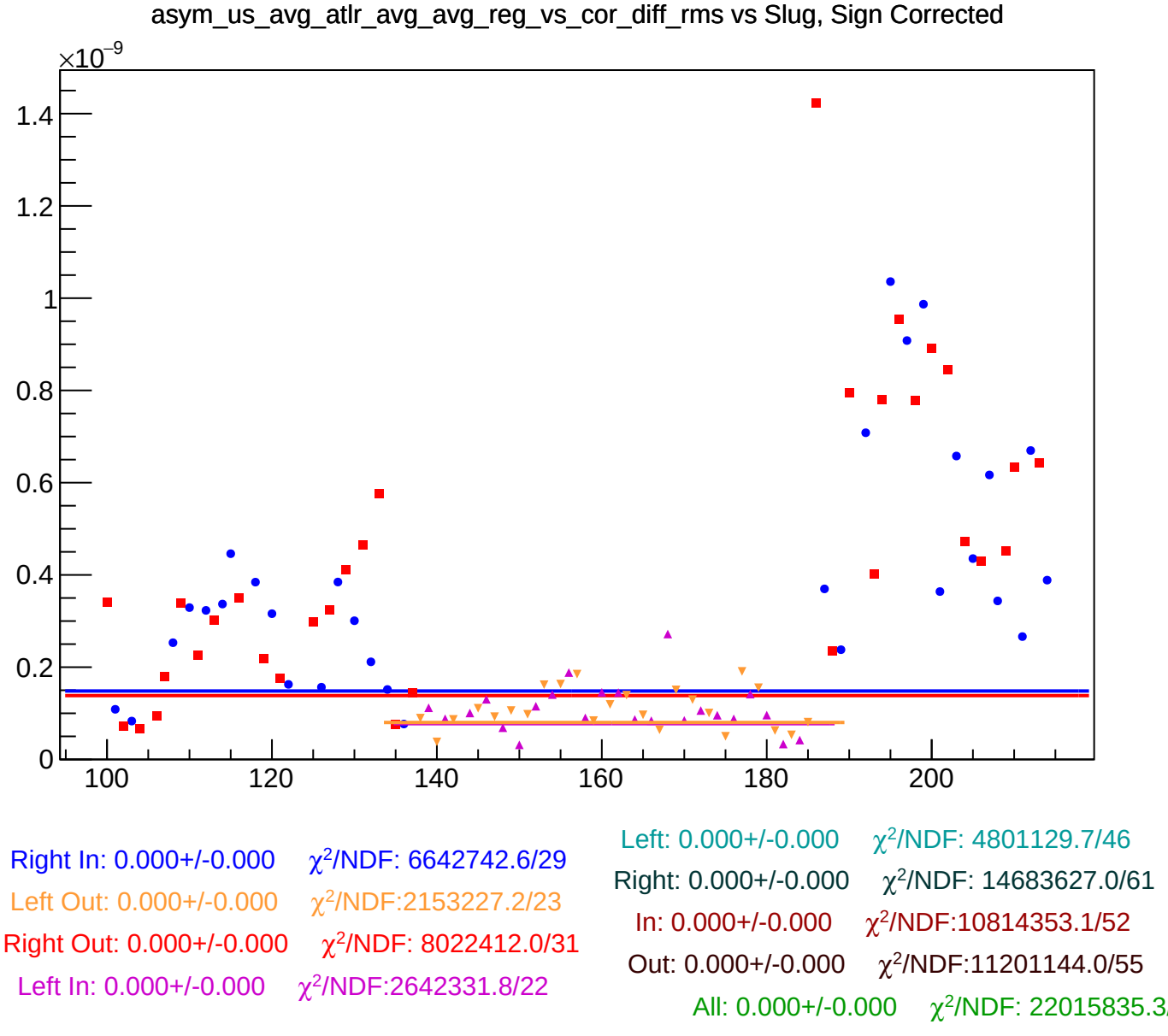
Right: 6083.222+/-0.746 χ^2/NDF: 6472504.2/61

In: 6314.601+/-0.760 χ^2/NDF:3837479.5/52

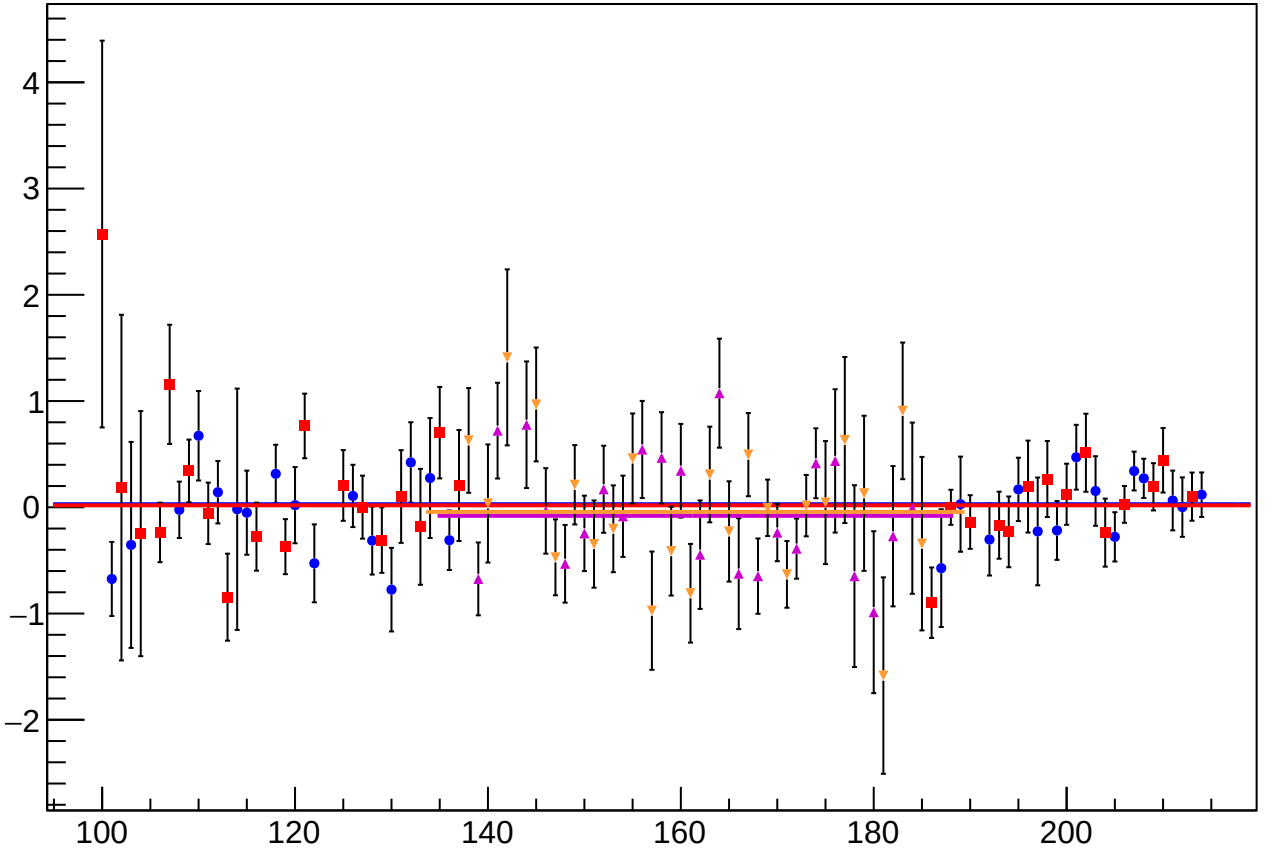
Out: 6261.042+/-0.757 χ^2/NDF:4781802.3/55

All: 6287.693+/-0.536 χ^2/NDF: 8621774.4/10


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 33.0/29
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.1/31
Left In: -0.000+/-0.000 χ²/NDF:24.0/22
Left: -0.000+/-0.000 χ²/NDF: 51.3/46
Right: -0.000+/-0.000 χ²/NDF: 65.3/61
In: -0.000+/-0.000 χ²/NDF:58.0/52
Out: 0.000+/-0.000 χ²/NDF:58.2/55
All: -0.000+/-0.000 χ²/NDF: 116.9/108


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×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
Left: 0.000+/-0.000 χ²/NDF: 4801129.7/46
Right: 0.000+/-0.000 χ²/NDF: 14683627.0/61
In: 0.000+/-0.000 χ²/NDF:10814353.1/52
Out: 0.000+/-0.000 χ²/NDF:11201144.0/55
All: 0.000+/-0.000 χ²/NDF: 22015835.3/108

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

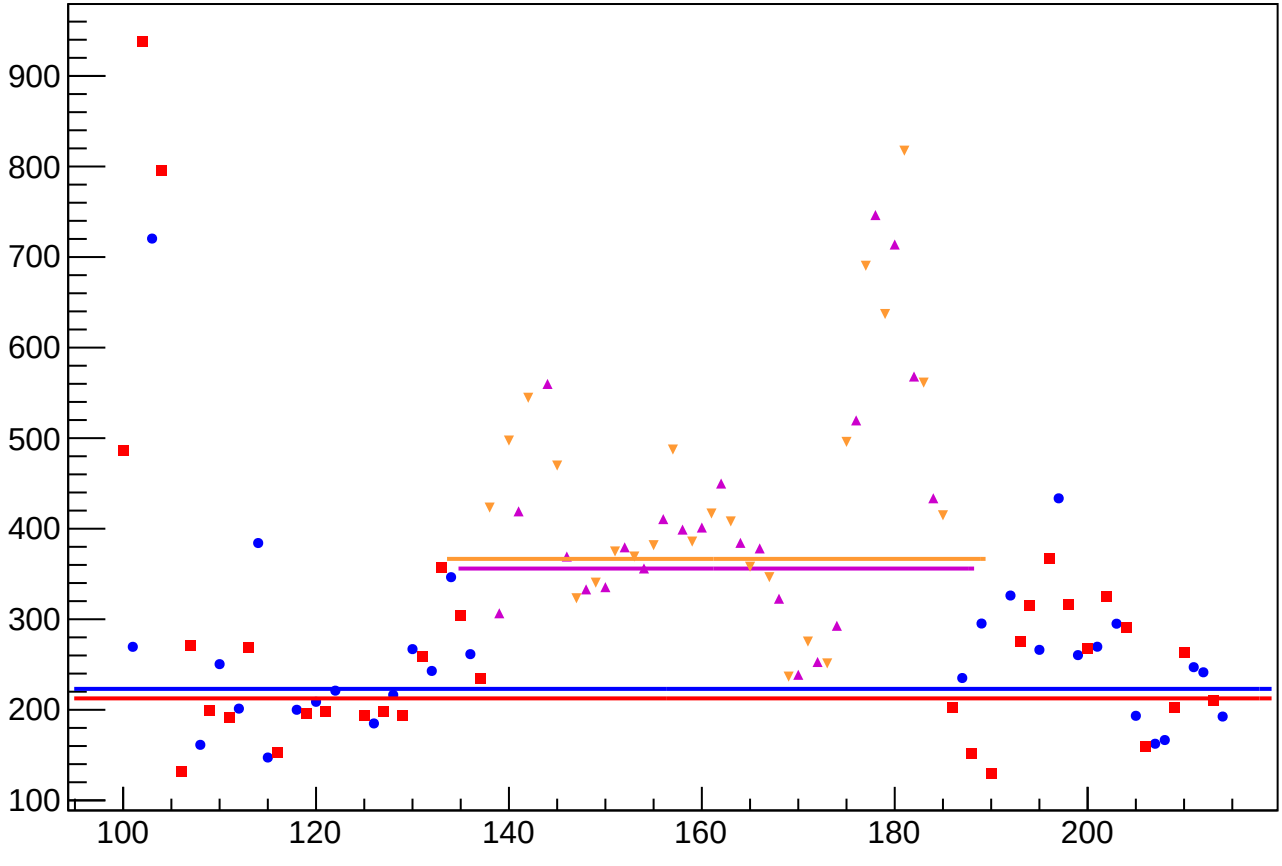
Right: 0.023+/-0.039 χ^2/NDF: 71.6/61

In: -0.003+/-0.047 χ^2/NDF:62.0/52

Out: 0.002+/-0.047 χ^2/NDF:72.3/55

All: -0.000+/-0.033 χ^2/NDF: 134.4/108

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

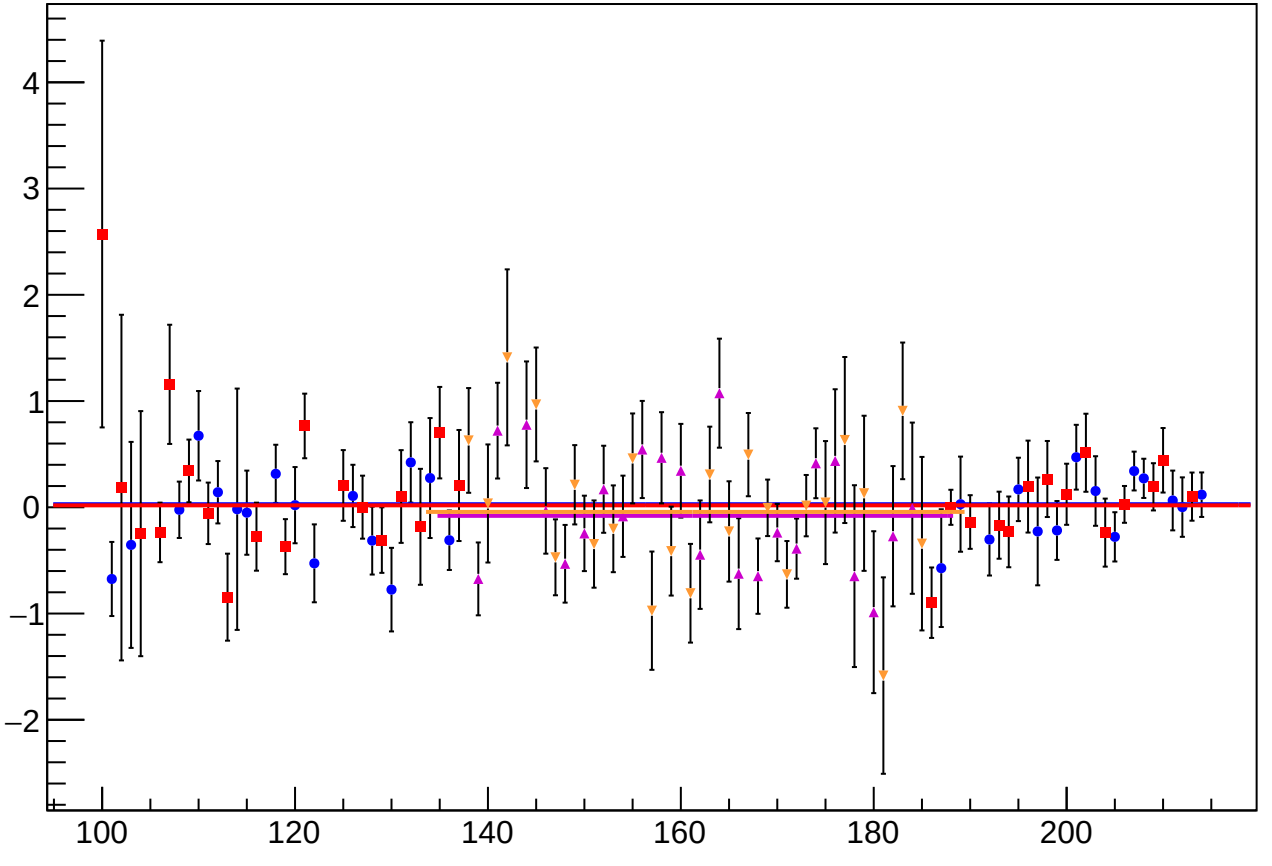
Right: 217.708+/-0.028 χ^2/NDF: 5727801.5/61

In: 261.587+/-0.033 χ^2/NDF:8005929.2/52

Out: 253.551+/-0.033 χ^2/NDF:10464156.0/55

All: 257.518+/-0.023 χ^2/NDF: 18499405.7/10

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

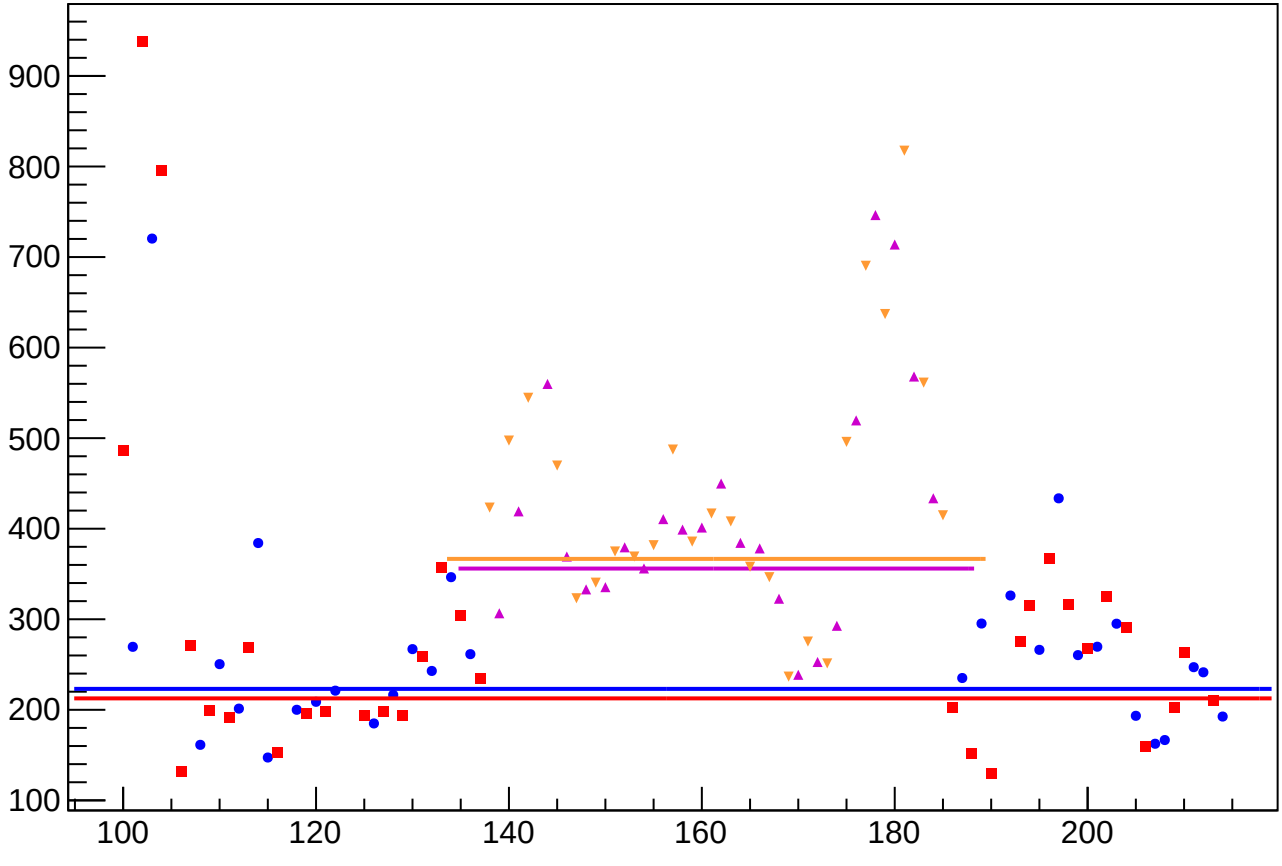
Right: 0.023+/-0.039 χ^2/NDF: 71.6/61

In: -0.003+/-0.047 χ^2/NDF:62.0/52

Out: 0.002+/-0.047 χ^2/NDF:72.3/55

All: -0.000+/-0.033 χ^2/NDF: 134.4/108

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

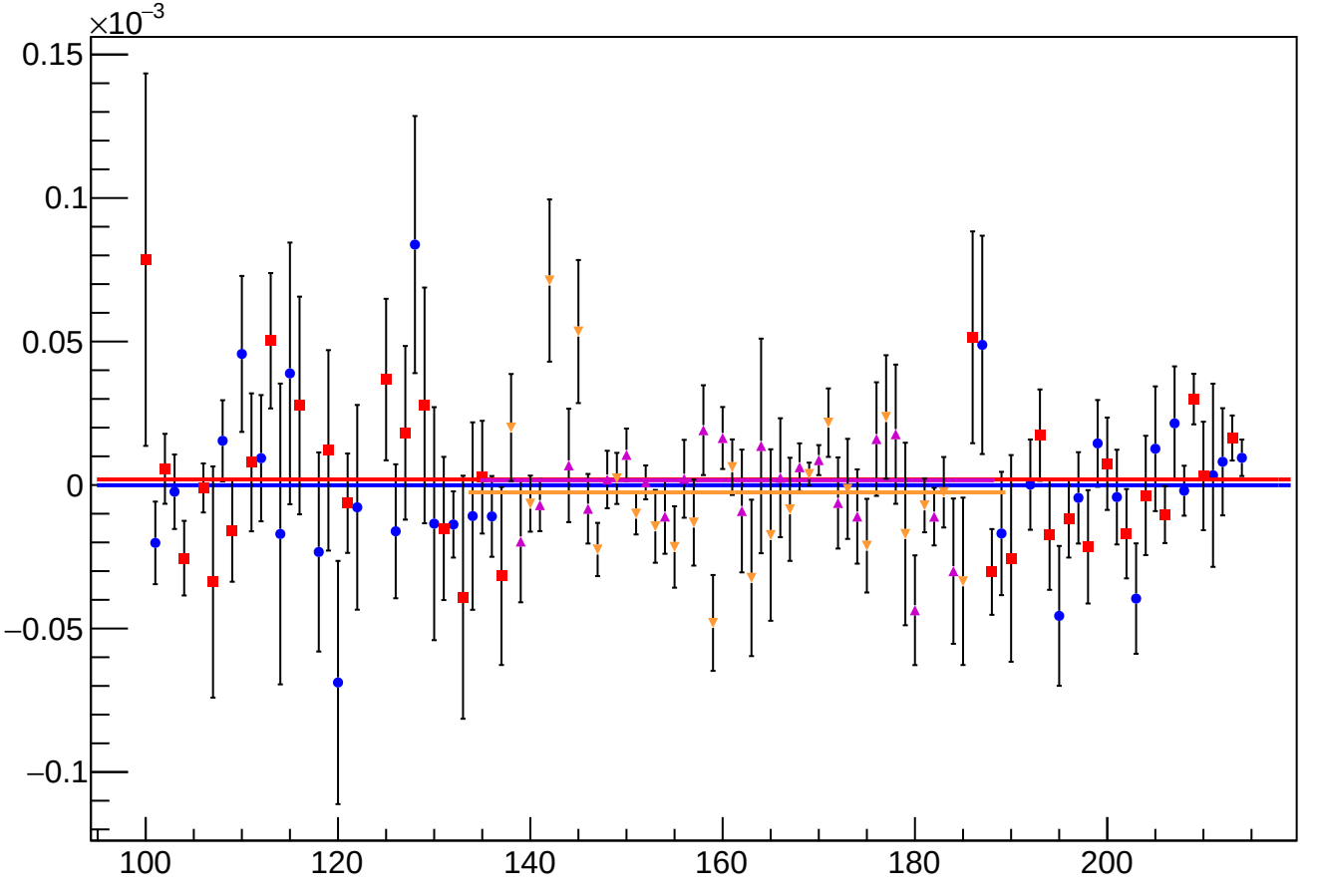
Right: 217.708+/-0.028 χ^2/NDF: 5727801.5/61

In: 261.587+/-0.033 χ^2/NDF:8005929.2/52

Out: 253.551+/-0.033 χ^2/NDF:10464156.0/55

All: 257.518+/-0.023 χ^2/NDF: 18499405.7/10

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/29

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 45.8/31

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

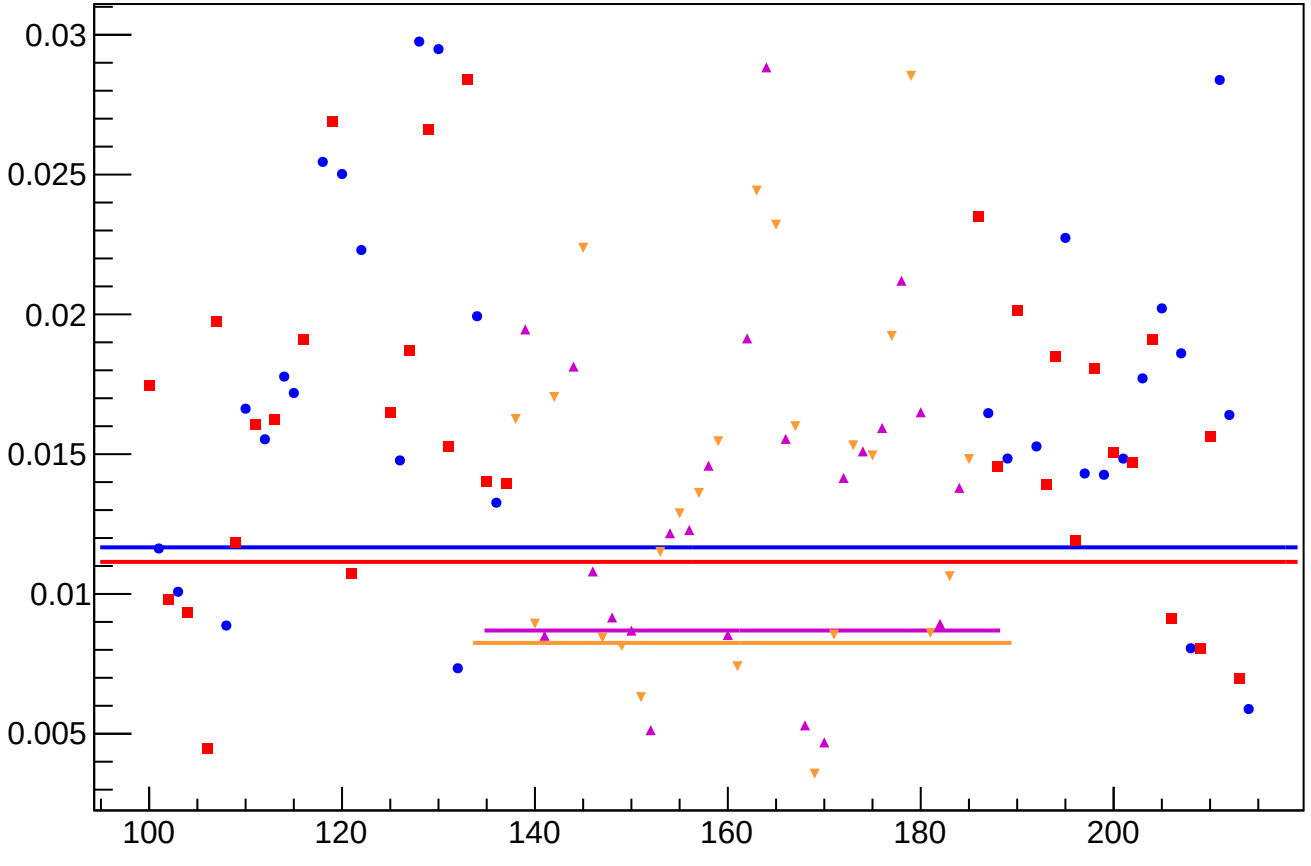
Right: 0.000+/-0.000 χ^2/NDF: 77.5/61

In: 0.000+/-0.000 χ^2/NDF:52.3/52

Out: -0.000+/-0.000 χ^2/NDF:90.8/55

All: 0.000+/-0.000 χ^2/NDF: 143.7/108

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

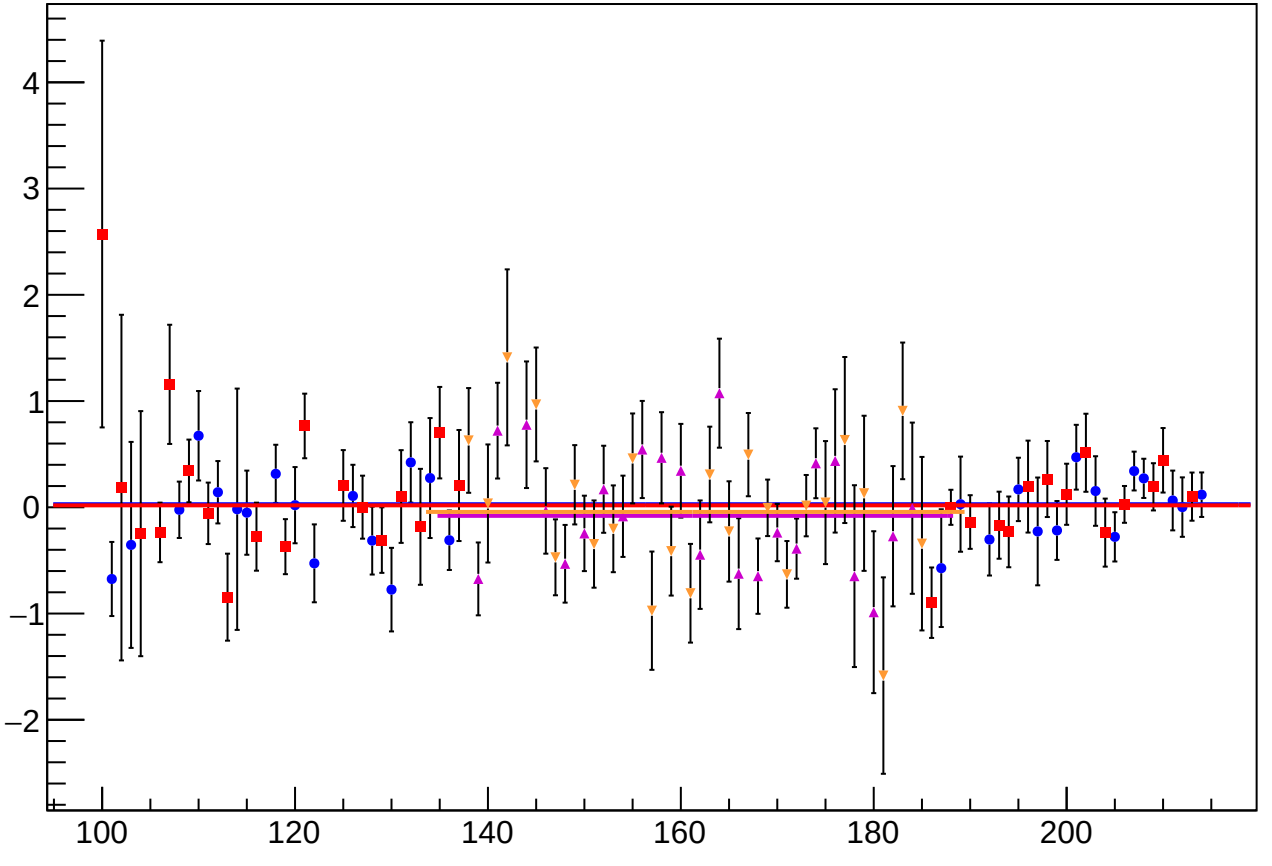
Right: 0.011+/-0.000 χ^2/NDF: 11982282.2/61

In: 0.010+/-0.000 χ^2/NDF:14454642.7/52

Out: 0.009+/-0.000 χ^2/NDF:15702025.3/55

All: 0.010+/-0.000 χ^2/NDF: 30217747.8/108

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

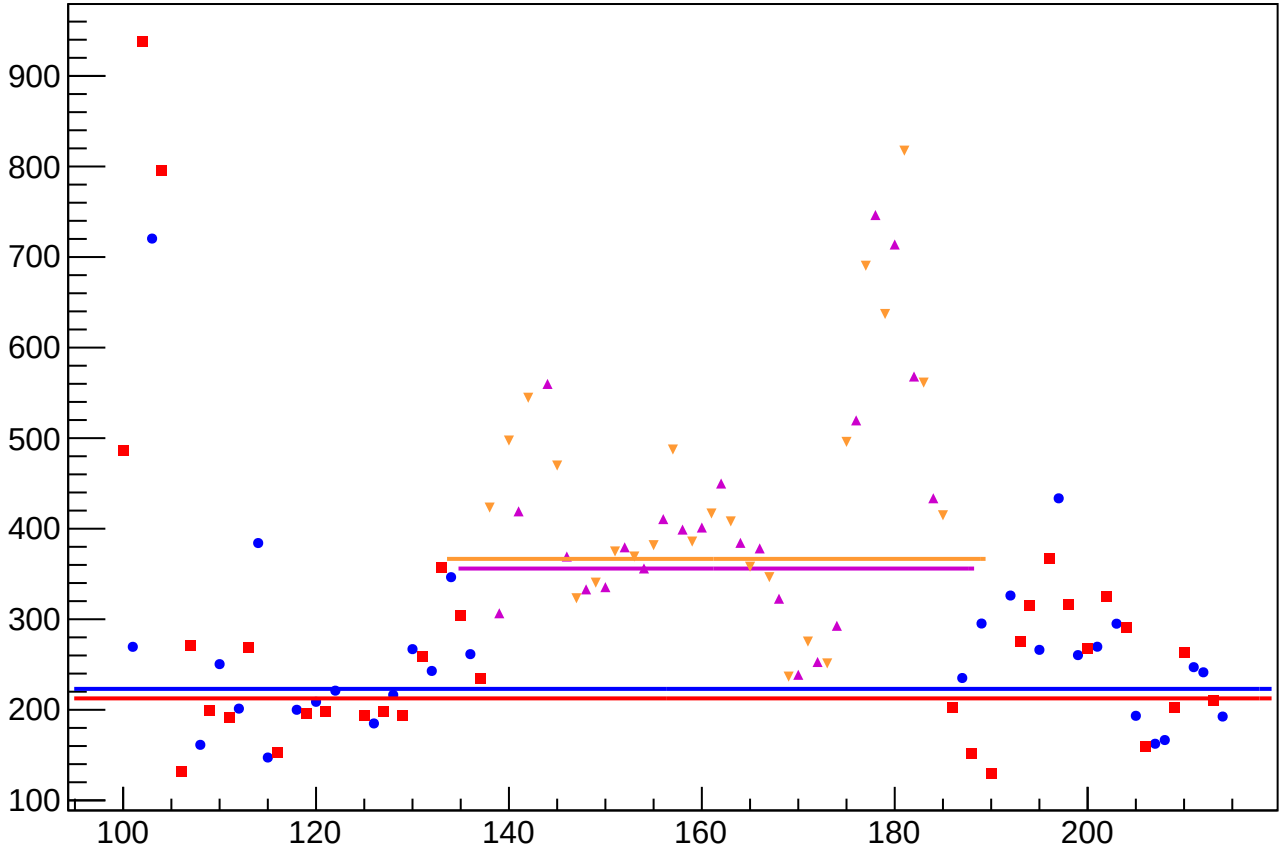
Right: 0.023+/-0.039 χ^2/NDF: 71.6/61

In: -0.003+/-0.047 χ^2/NDF:62.0/52

Out: 0.002+/-0.047 χ^2/NDF:72.3/55

All: -0.000+/-0.033 χ^2/NDF: 134.4/108

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

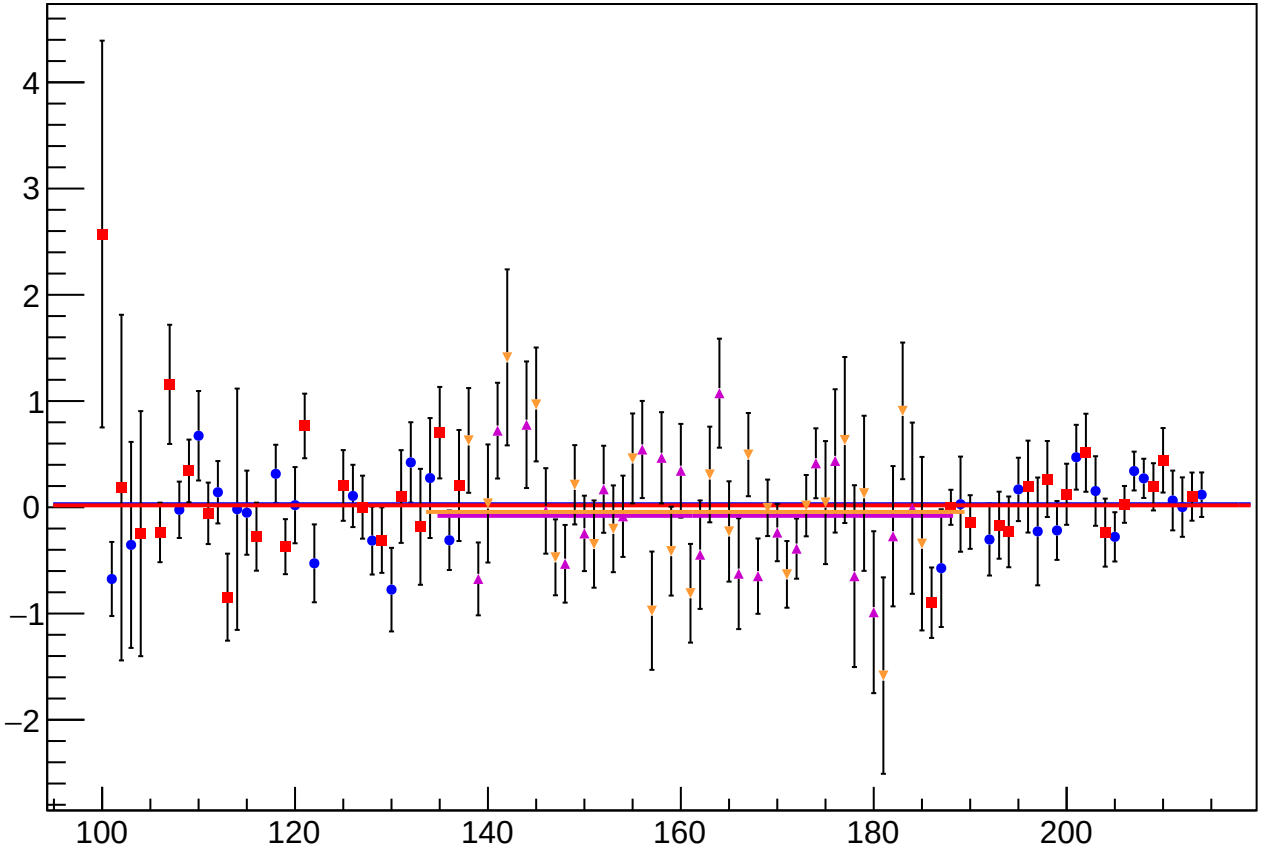
Right: 217.706+/-0.028 χ^2/NDF: 5727921.2/61

In: 261.586+/-0.033 χ^2/NDF:8006246.2/52

Out: 253.548+/-0.033 χ^2/NDF:10464619.9/55

All: 257.516+/-0.023 χ^2/NDF: 18500199.3/10

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

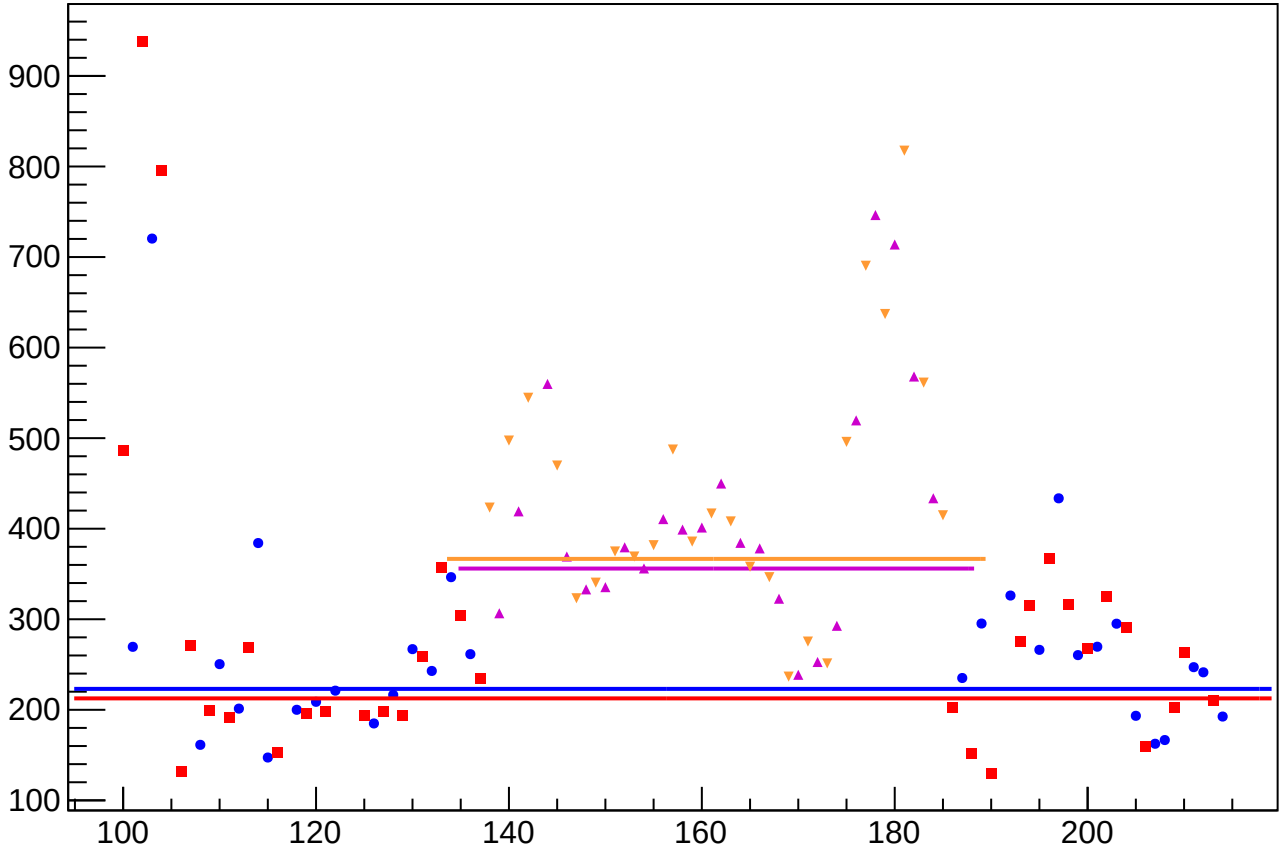
Right: 0.023+/-0.039 χ^2/NDF: 71.6/61

In: -0.003+/-0.047 χ^2/NDF:62.0/52

Out: 0.002+/-0.047 χ^2/NDF:72.3/55

All: -0.000+/-0.033 χ^2/NDF: 134.4/108

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

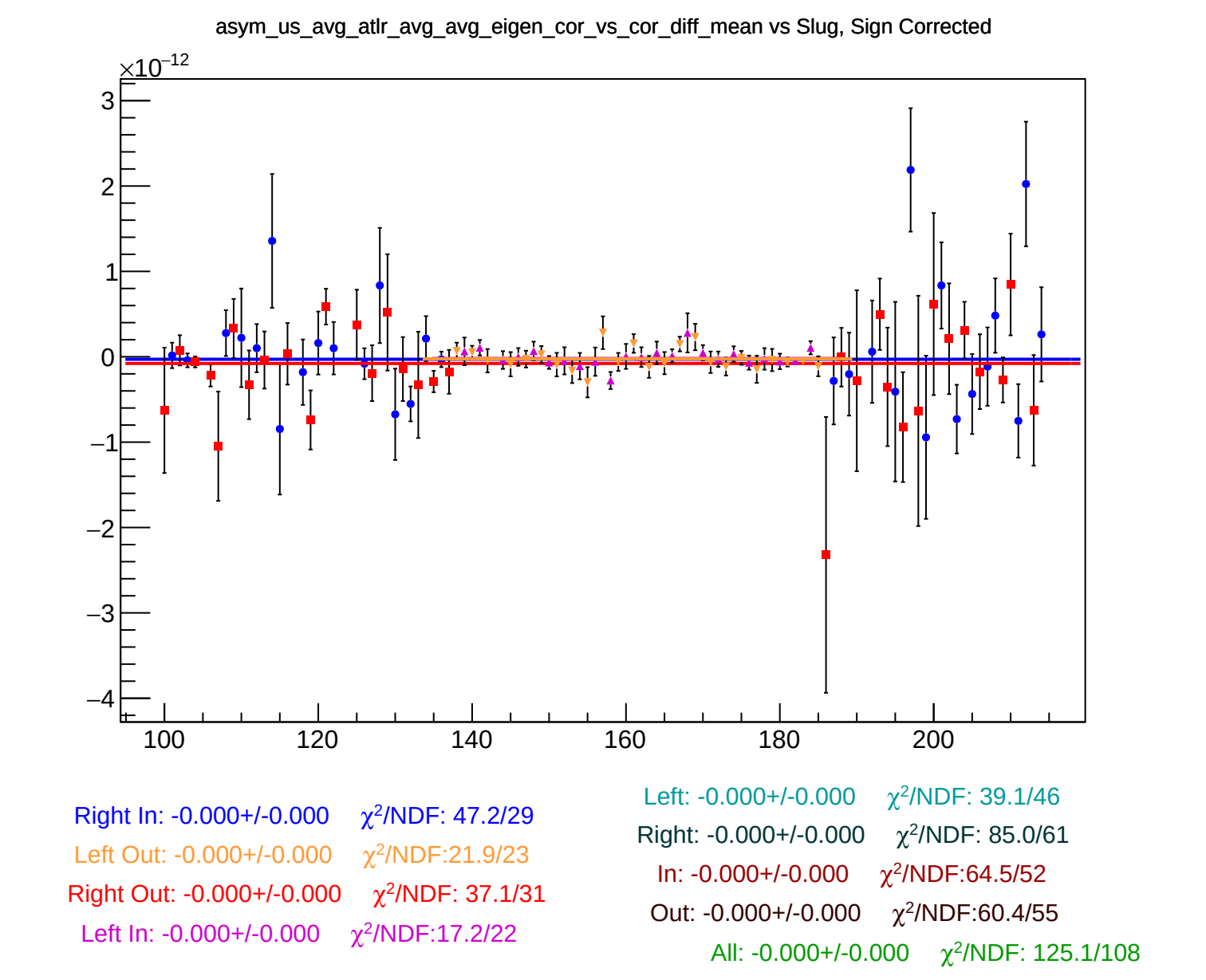
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

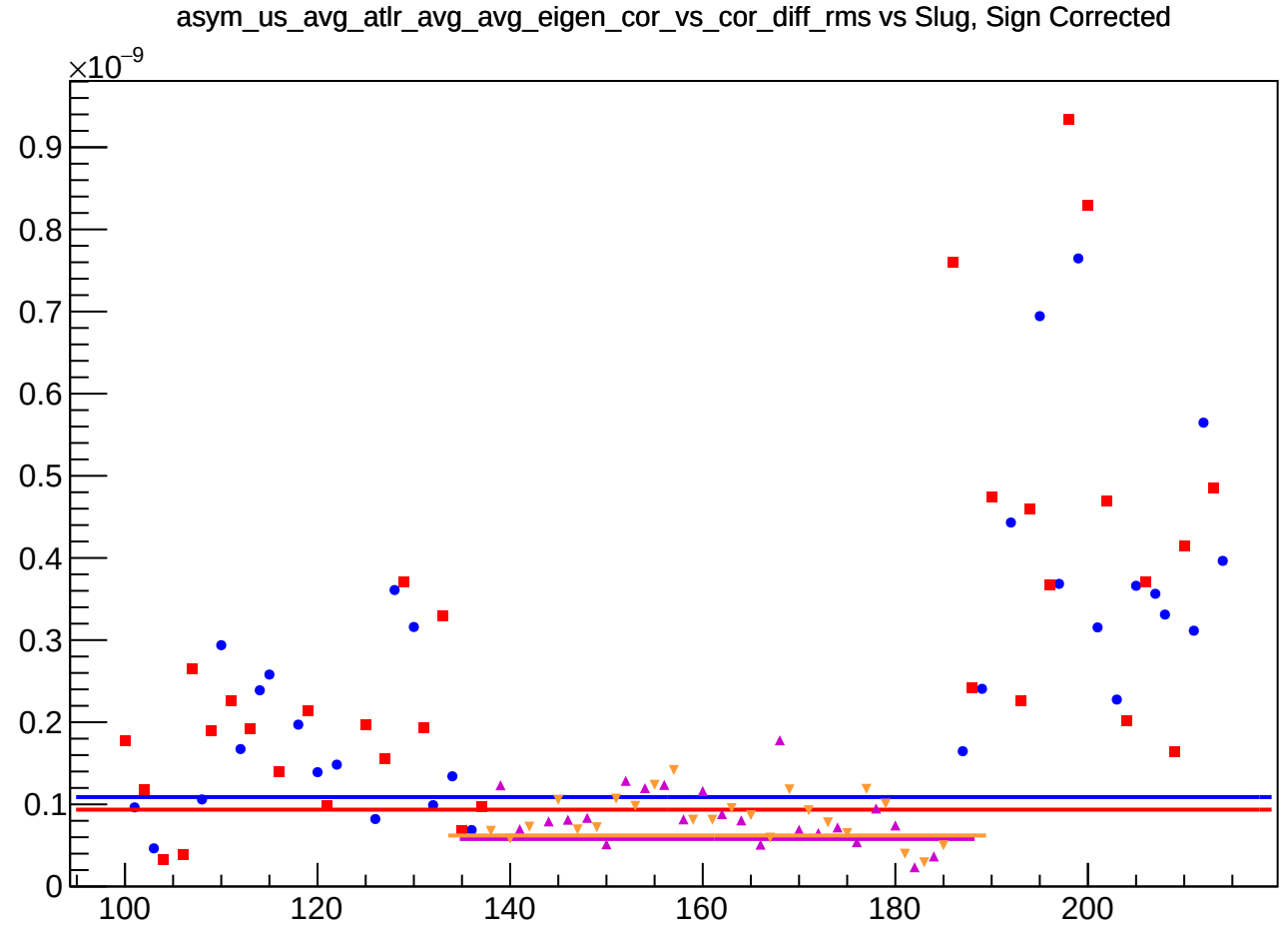
Right: 217.706+/-0.028 χ^2/NDF: 5727921.2/61

In: 261.586+/-0.033 χ^2/NDF:8006246.2/52

Out: 253.548+/-0.033 χ^2/NDF:10464619.9/55

All: 257.516+/-0.023 χ^2/NDF: 18500199.3/10


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 47.2/29
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 37.1/31
Left In: -0.000+/-0.000 χ²/NDF:17.2/22
Left: -0.000+/-0.000 χ²/NDF: 39.1/46
Right: -0.000+/-0.000 χ²/NDF: 85.0/61
In: -0.000+/-0.000 χ²/NDF:64.5/52
Out: -0.000+/-0.000 χ²/NDF:60.4/55
All: -0.000+/-0.000 χ²/NDF: 125.1/108



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

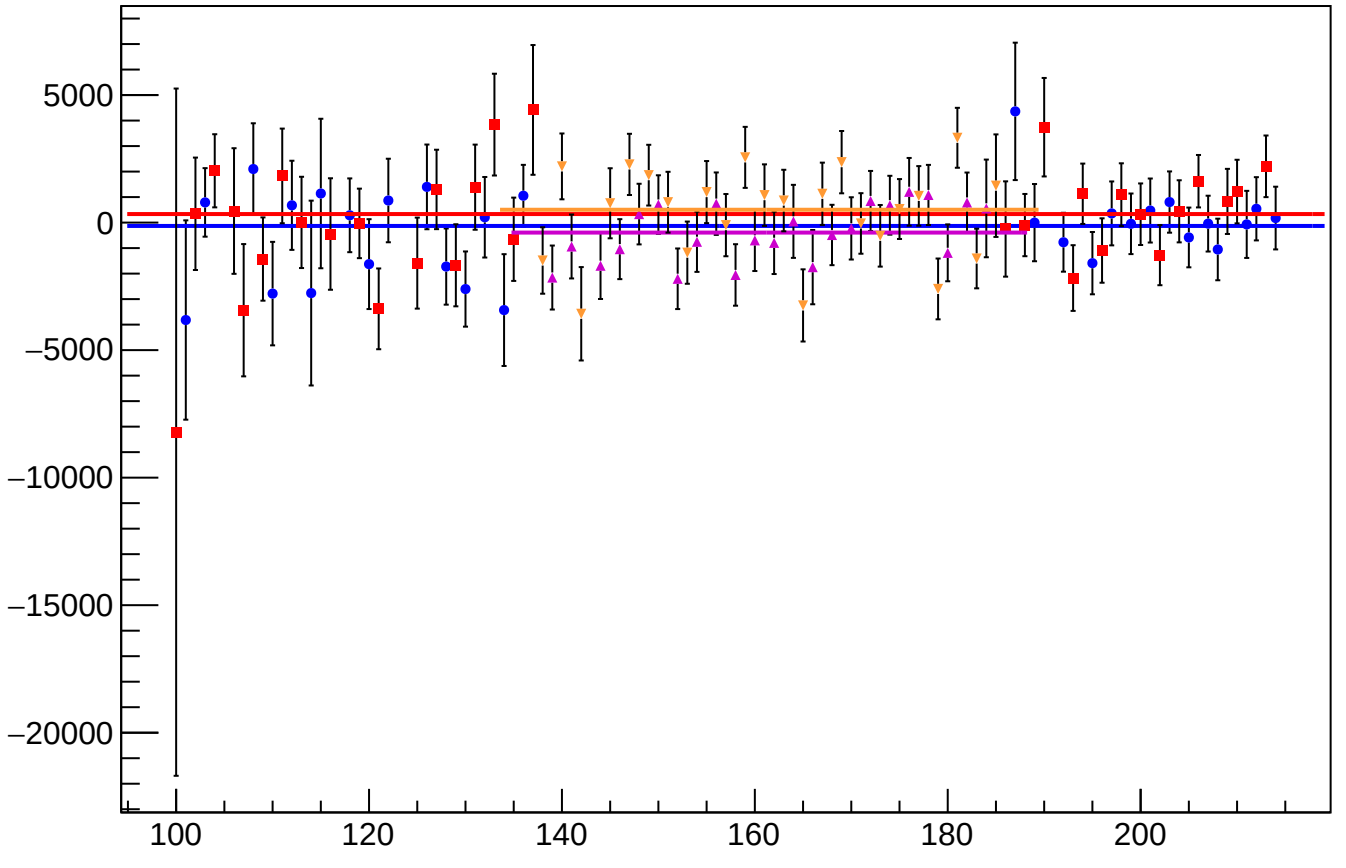
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 20734197.4/61

In: 0.000+/-0.000 χ^2/NDF:17149102.5/52

Out: 0.000+/-0.000 χ^2/NDF:16230593.9/55

All: 0.000+/-0.000 χ^2/NDF: 33397660.5/108



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

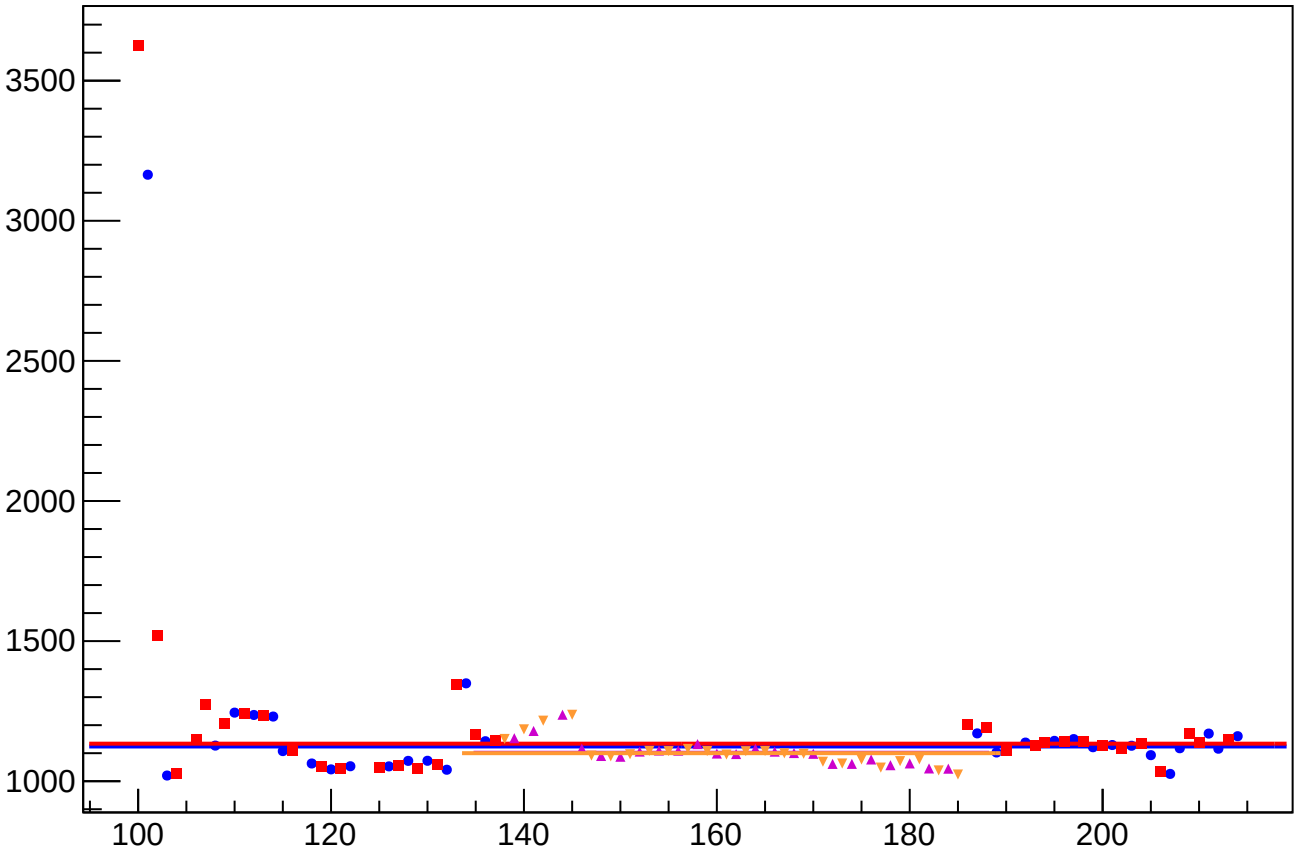
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 101.251+/-187.557 χ^2/NDF: 59.7/61

In: -265.377+/-184.635 χ^2/NDF:39.7/52

Out: 422.429+/-184.106 χ^2/NDF:81.5/55

All: 79.512+/-130.369 χ^2/NDF: 128.2/108



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:52145.9/22

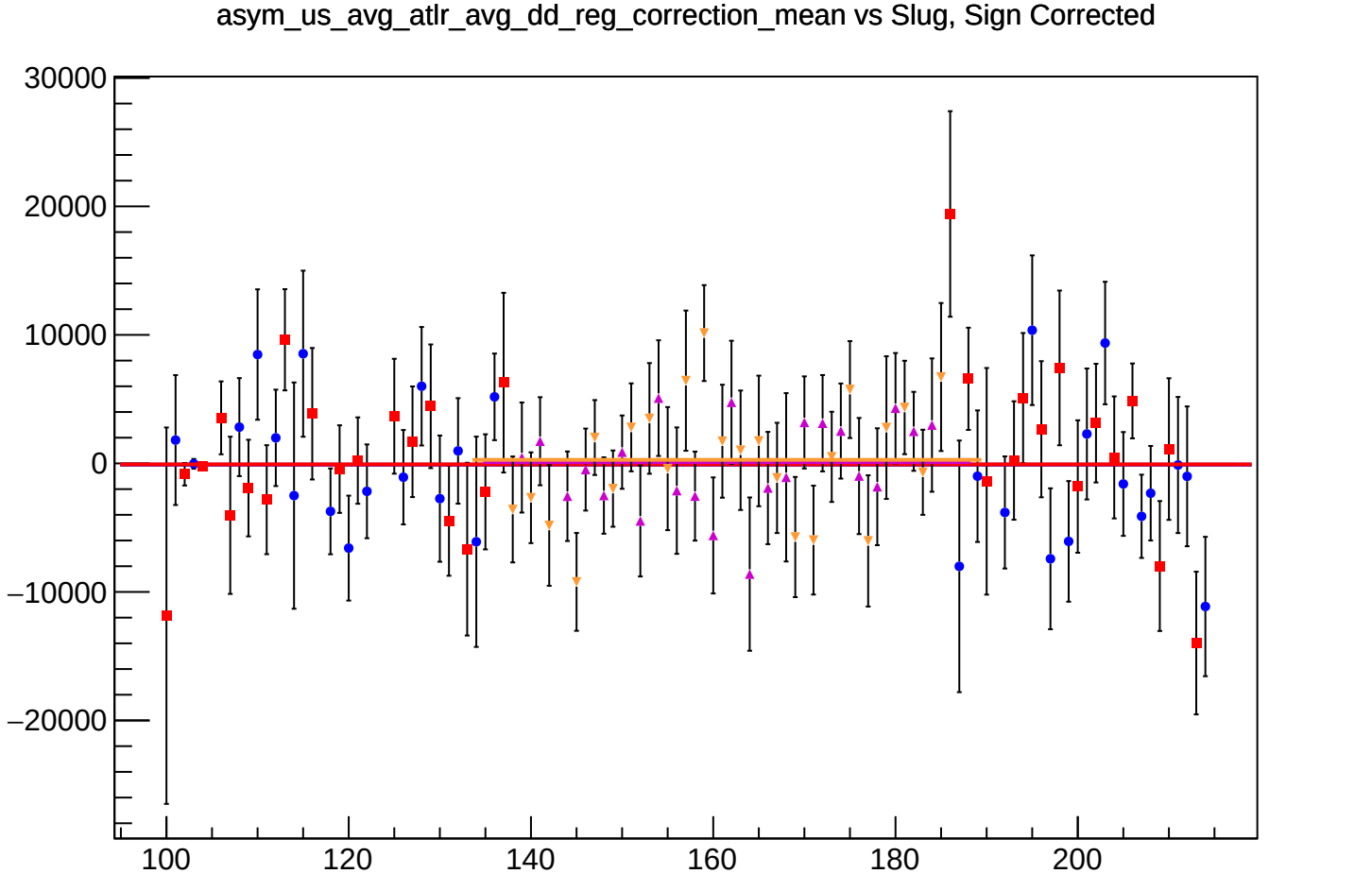
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1128.946+/-0.133 χ^2/NDF: 896859.7/61

In: 1112.415+/-0.131 χ^2/NDF:705611.2/52

Out: 1116.371+/-0.130 χ^2/NDF:325002.9/55

All: 1114.399+/-0.092 χ^2/NDF: 1031074.5/10



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

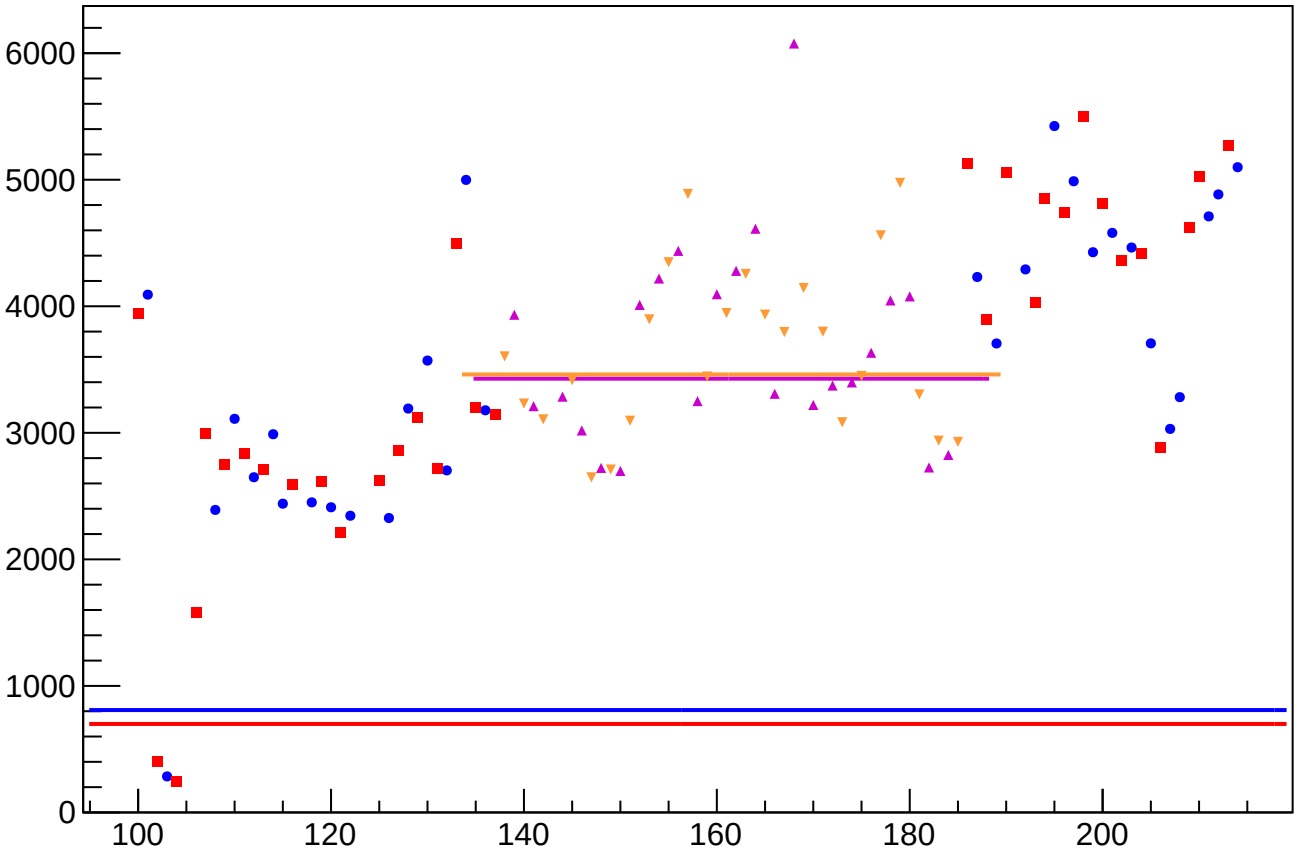
Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

Right: -85.915+/-231.570 χ^2/NDF: 73.0/61

In: -68.038+/-317.165 χ^2/NDF:47.1/52

Out: -31.800+/-292.479 χ^2/NDF:69.7/55

All: -48.454+/-215.012 χ^2/NDF: 116.8/108



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

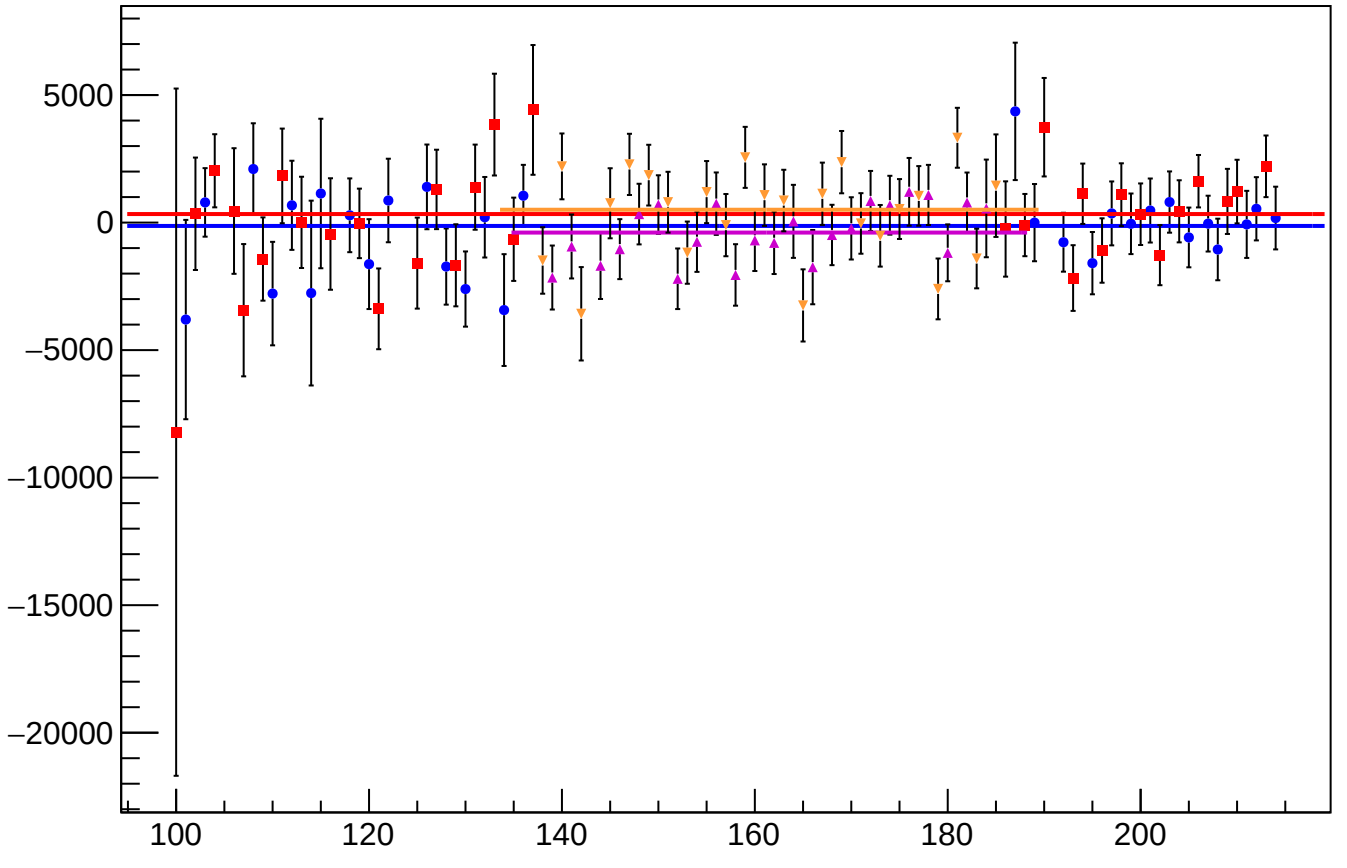
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 749.056+/-0.164 χ^2/NDF: 51274645.2/61

In: 1203.547+/-0.224 χ^2/NDF:43838789.6/52

Out: 1050.315+/-0.207 χ^2/NDF:46851929.4/55

All: 1120.736+/-0.152 χ^2/NDF: 90943005.9/1



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

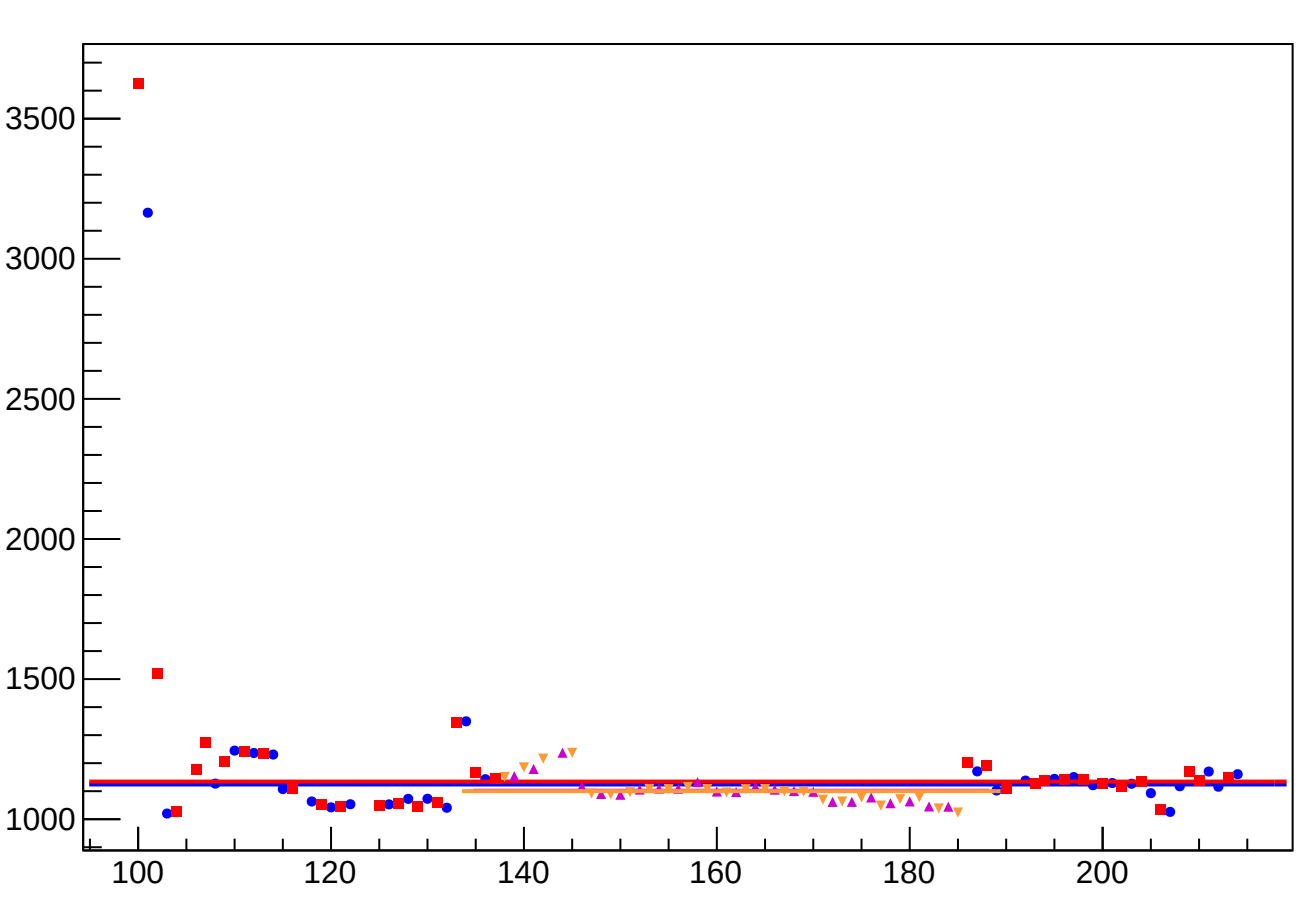
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 101.279+/-187.557 χ^2/NDF: 59.7/61

In: -265.348+/-184.635 χ^2/NDF:39.7/52

Out: 422.472+/-184.106 χ^2/NDF:81.5/55

All: 79.548+/-130.369 χ^2/NDF: 128.2/108



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:52145.9/22

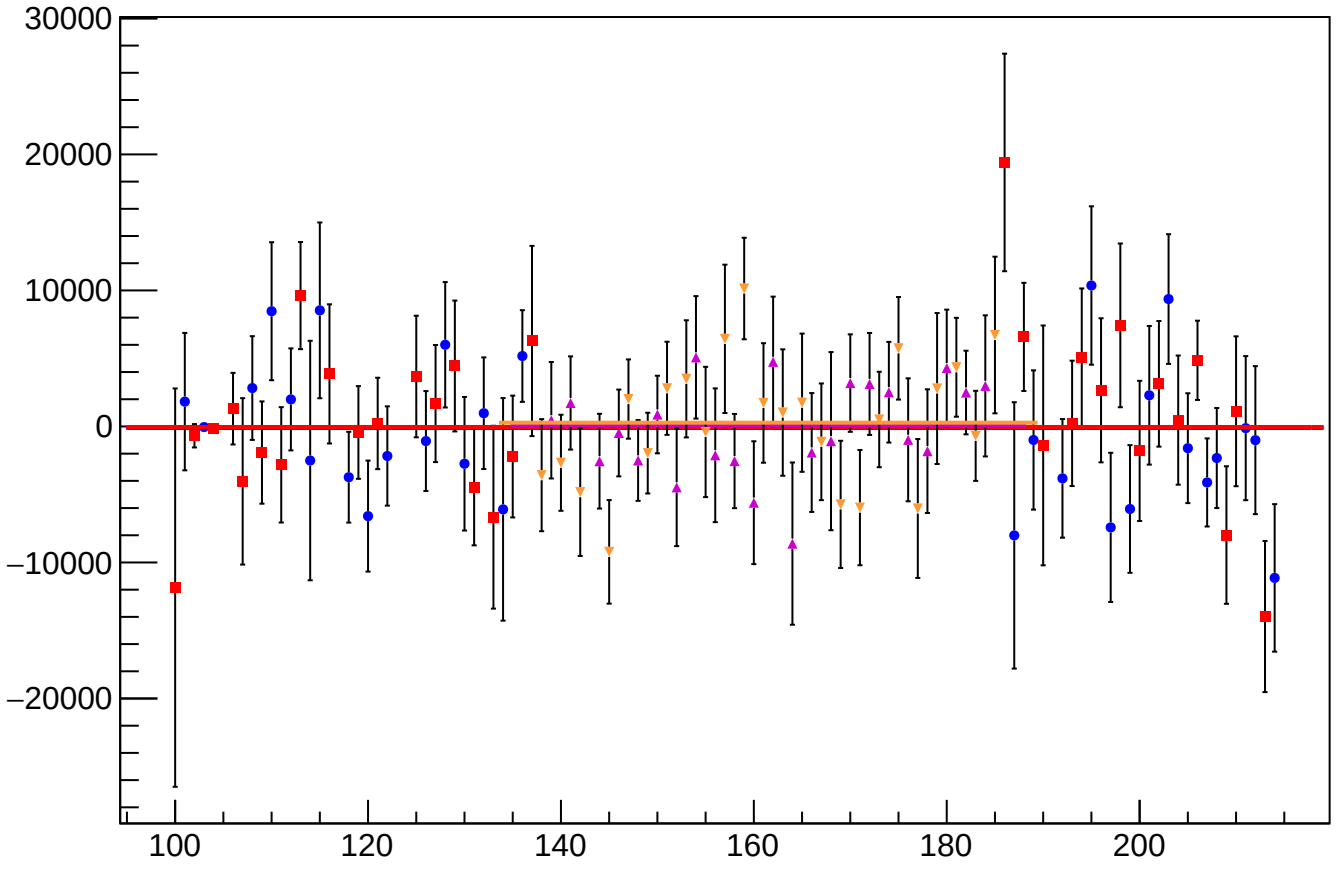
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1129.124+/-0.133 χ^2/NDF: 897572.9/61

In: 1112.415+/-0.131 χ^2/NDF:705612.3/52

Out: 1116.536+/-0.130 χ^2/NDF:325965.4/55

All: 1114.482+/-0.092 χ^2/NDF: 1032077.3/10



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

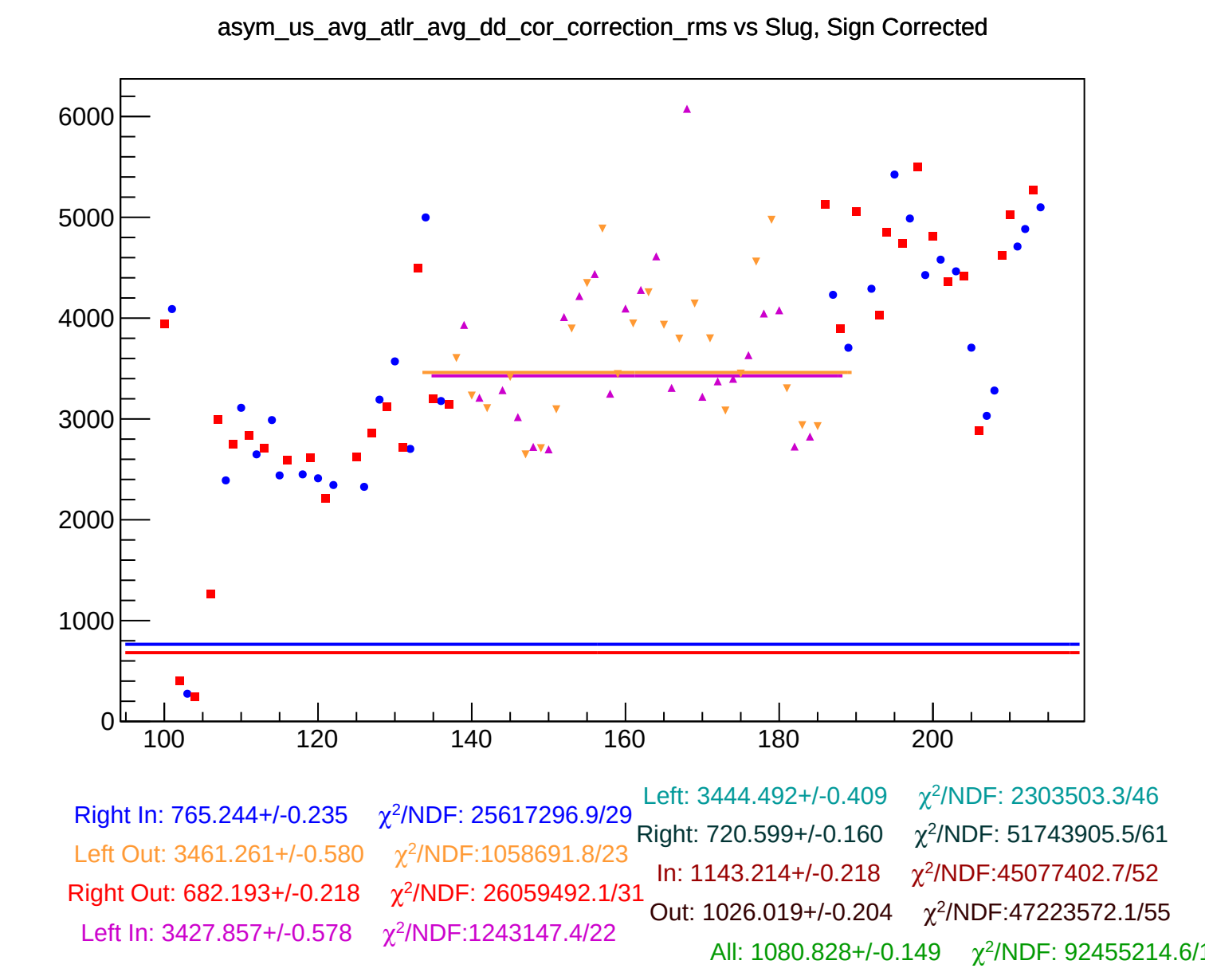
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

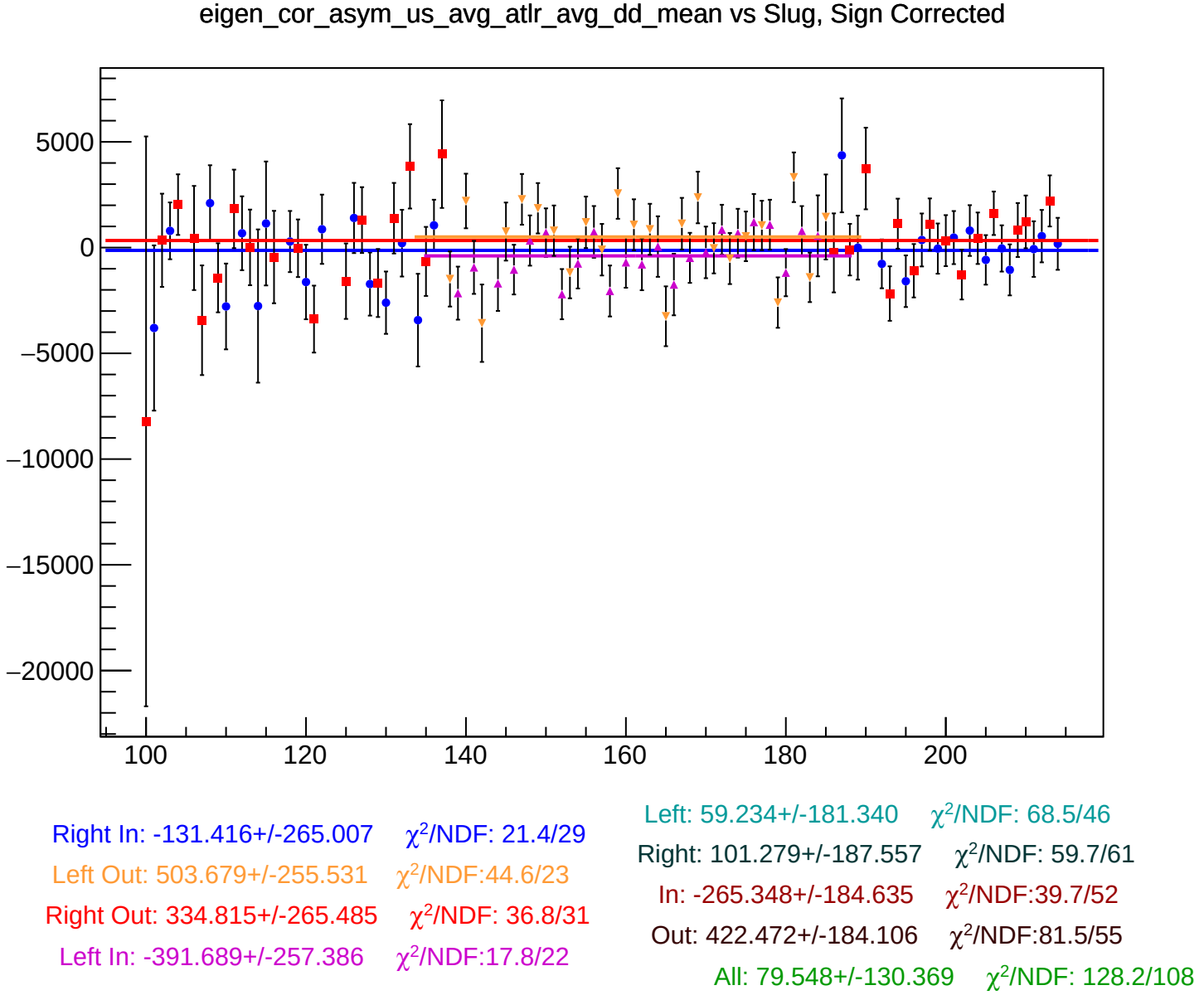
Right: -68.068+/-226.042 χ^2/NDF: 71.3/61

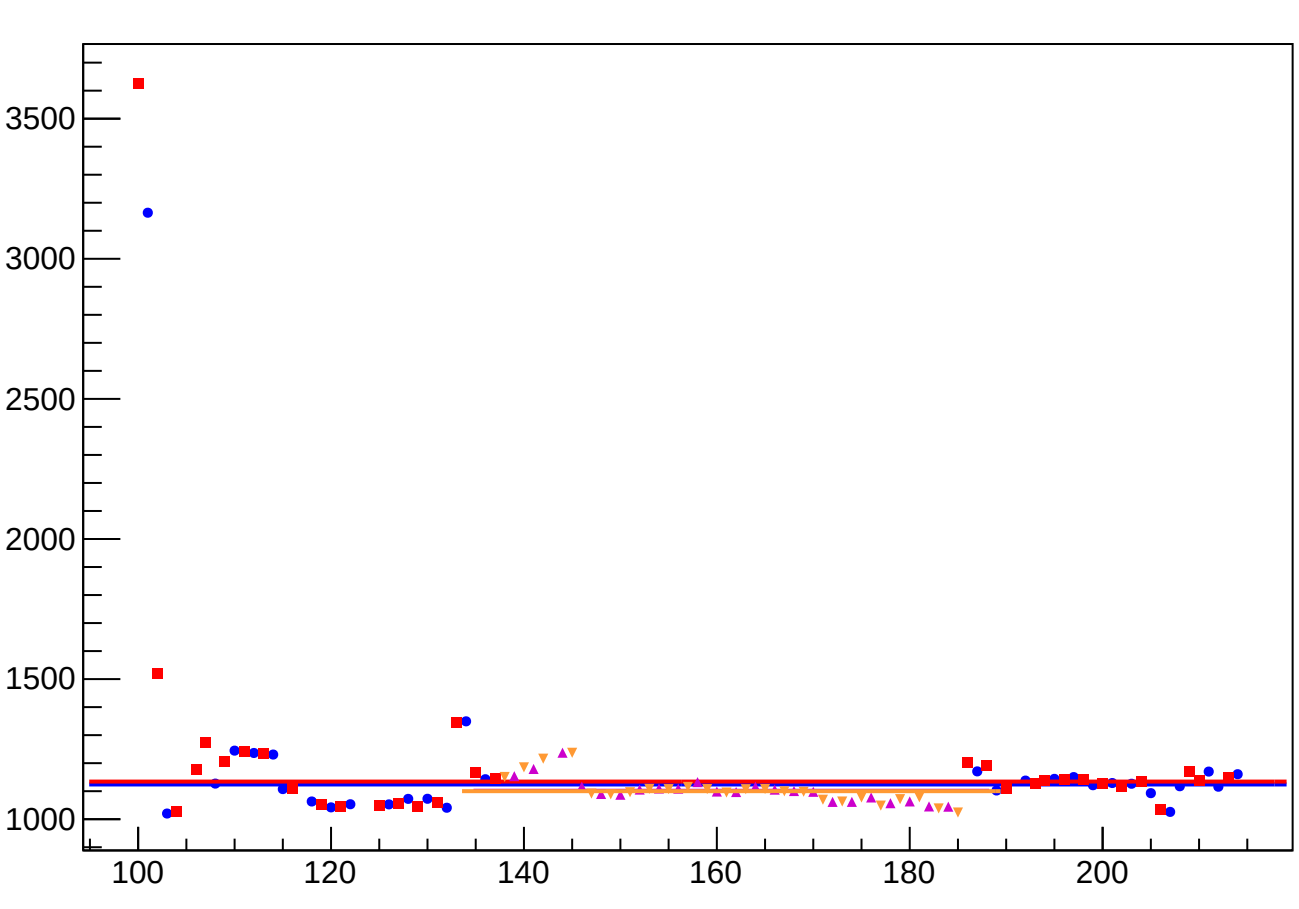
In: -75.221+/-307.904 χ^2/NDF:47.1/52

Out: 1.280+/-288.602 χ^2/NDF:67.9/55

All: -34.498+/-210.566 χ^2/NDF: 115.1/108


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 765.244+/-0.235 χ²/NDF: 25617296.9/29
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 682.193+/-0.218 χ²/NDF: 26059492.1/31
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
Left: 3444.492+/-0.409 χ²/NDF: 2303503.3/46
Right: 720.599+/-0.160 χ²/NDF: 51743905.5/61
In: 1143.214+/-0.218 χ²/NDF:45077402.7/52
Out: 1026.019+/-0.204 χ²/NDF:47223572.1/55
All: 1080.828+/-0.149 χ²/NDF: 92455214.6/


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -131.416+/-265.007 χ²/NDF: 21.4/29
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 334.815+/-265.485 χ²/NDF: 36.8/31
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: 101.279+/-187.557 χ²/NDF: 59.7/61
In: -265.348+/-184.635 χ²/NDF:39.7/52
Out: 422.472+/-184.106 χ²/NDF:81.5/55
All: 79.548+/-130.369 χ²/NDF: 128.2/108



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:52145.9/22

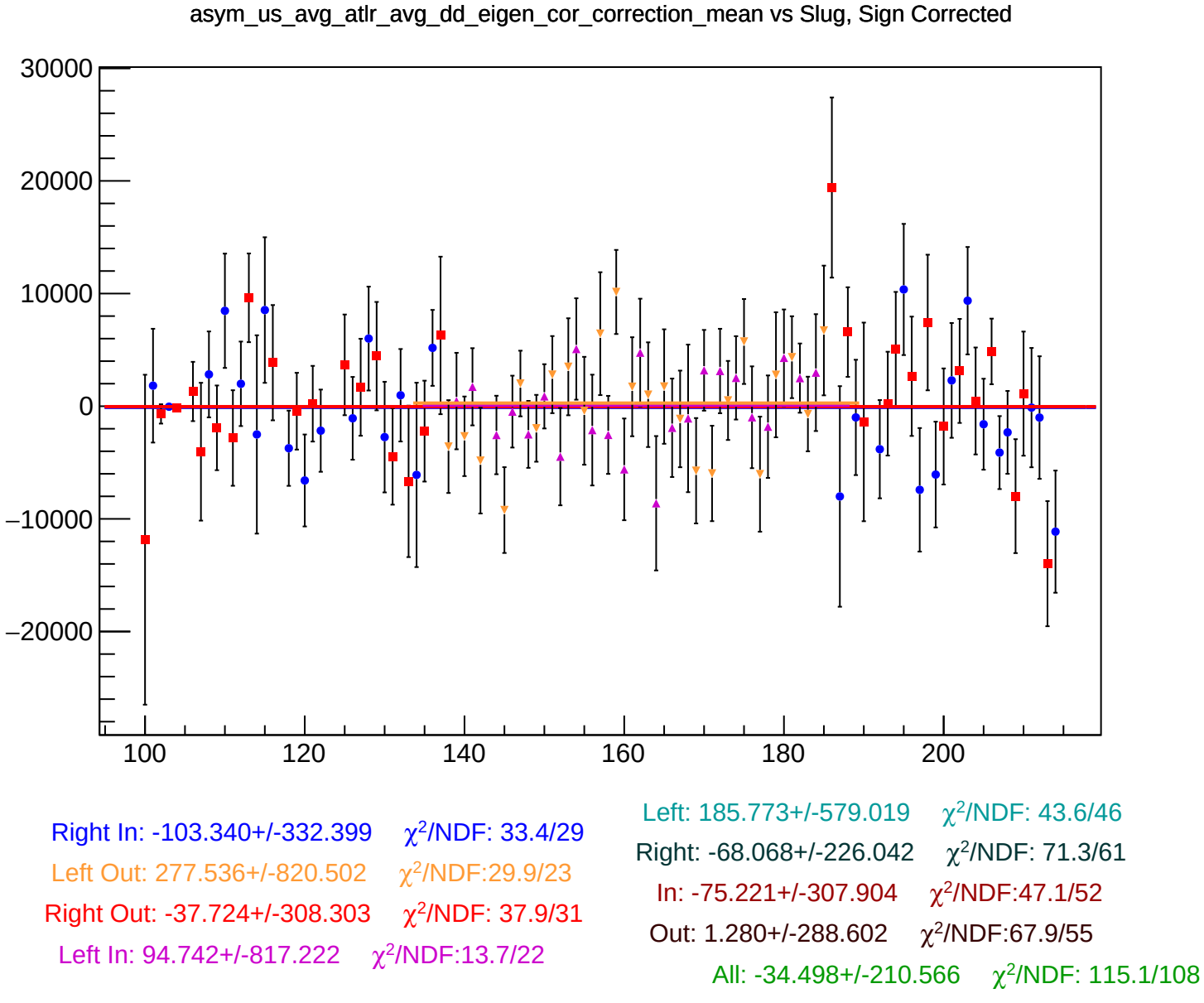
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

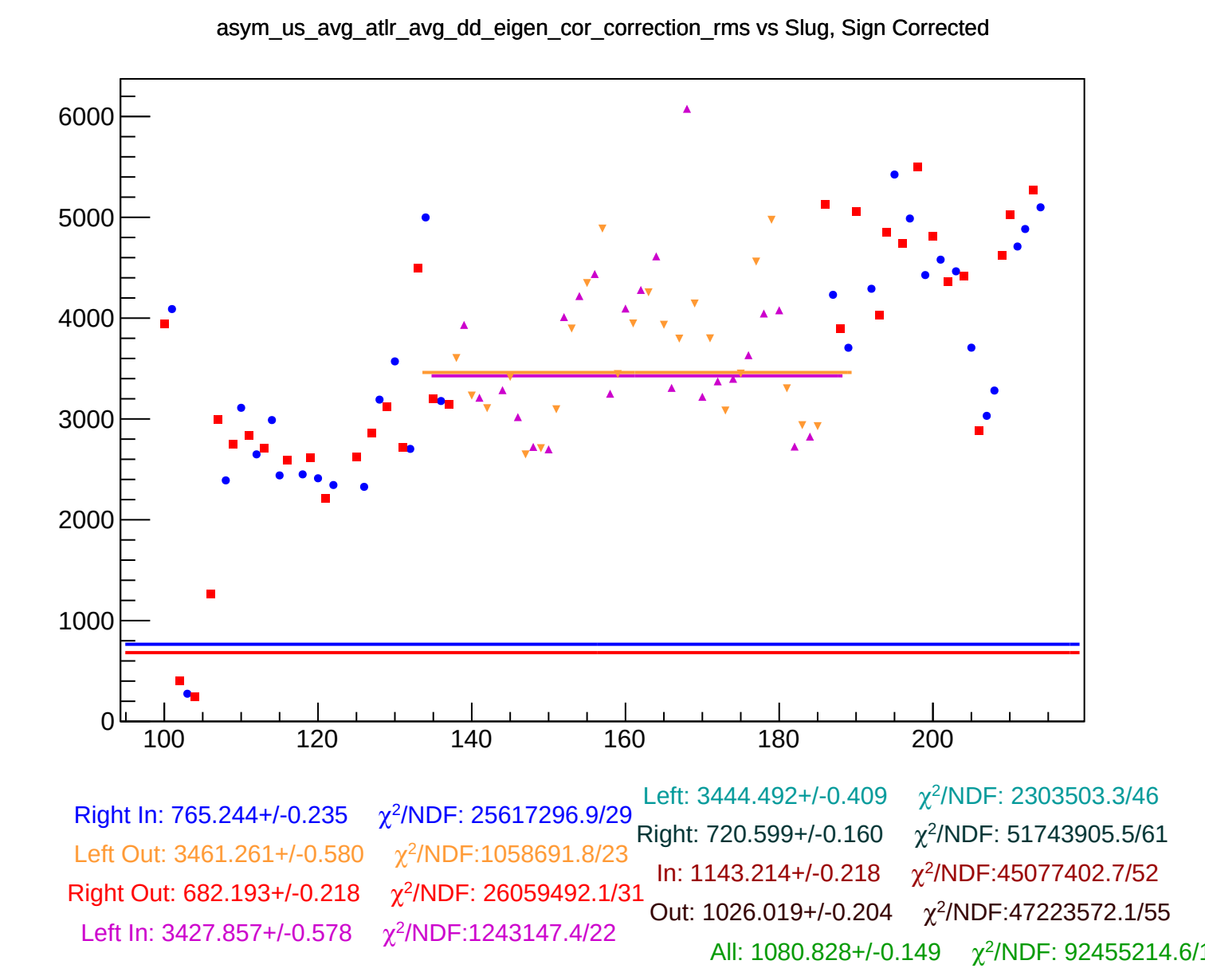
Right: 1129.124+/-0.133 χ^2/NDF: 897572.9/61

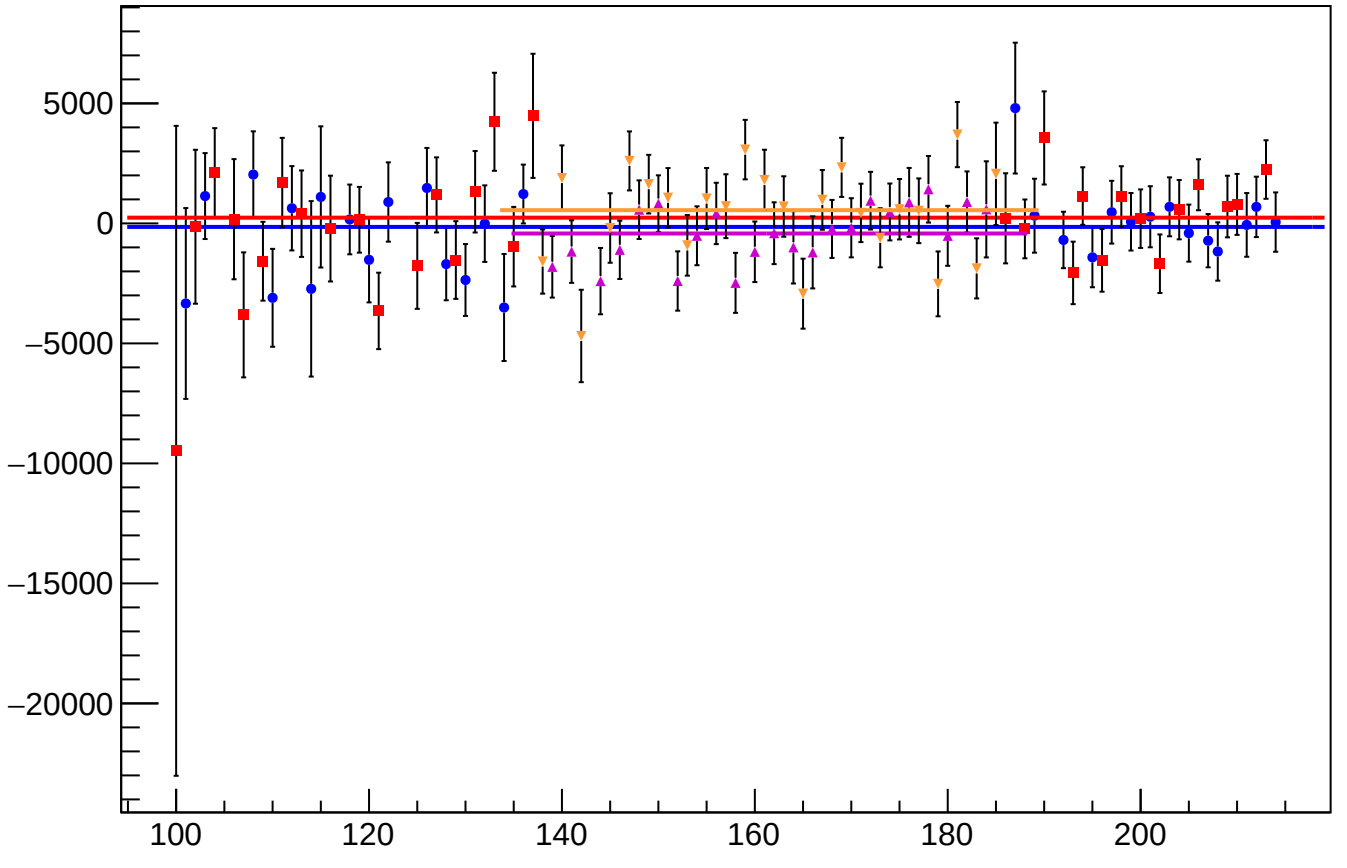
In: 1112.415+/-0.131 χ^2/NDF:705612.3/52

Out: 1116.536+/-0.130 χ^2/NDF:325965.4/55

All: 1114.482+/-0.092 χ^2/NDF: 1032077.3/10


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -103.340+/-332.399 χ²/NDF: 33.4/29
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -37.724+/-308.303 χ²/NDF: 37.9/31
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -68.068+/-226.042 χ²/NDF: 71.3/61
In: -75.221+/-307.904 χ²/NDF:47.1/52
Out: 1.280+/-288.602 χ²/NDF:67.9/55
All: -34.498+/-210.566 χ²/NDF: 115.1/108


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 765.244+/-0.235 χ²/NDF: 25617296.9/29
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 682.193+/-0.218 χ²/NDF: 26059492.1/31
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
Left: 3444.492+/-0.409 χ²/NDF: 2303503.3/46
Right: 720.599+/-0.160 χ²/NDF: 51743905.5/61
In: 1143.214+/-0.218 χ²/NDF:45077402.7/52
Out: 1026.019+/-0.204 χ²/NDF:47223572.1/55
All: 1080.828+/-0.149 χ²/NDF: 92455214.6/



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

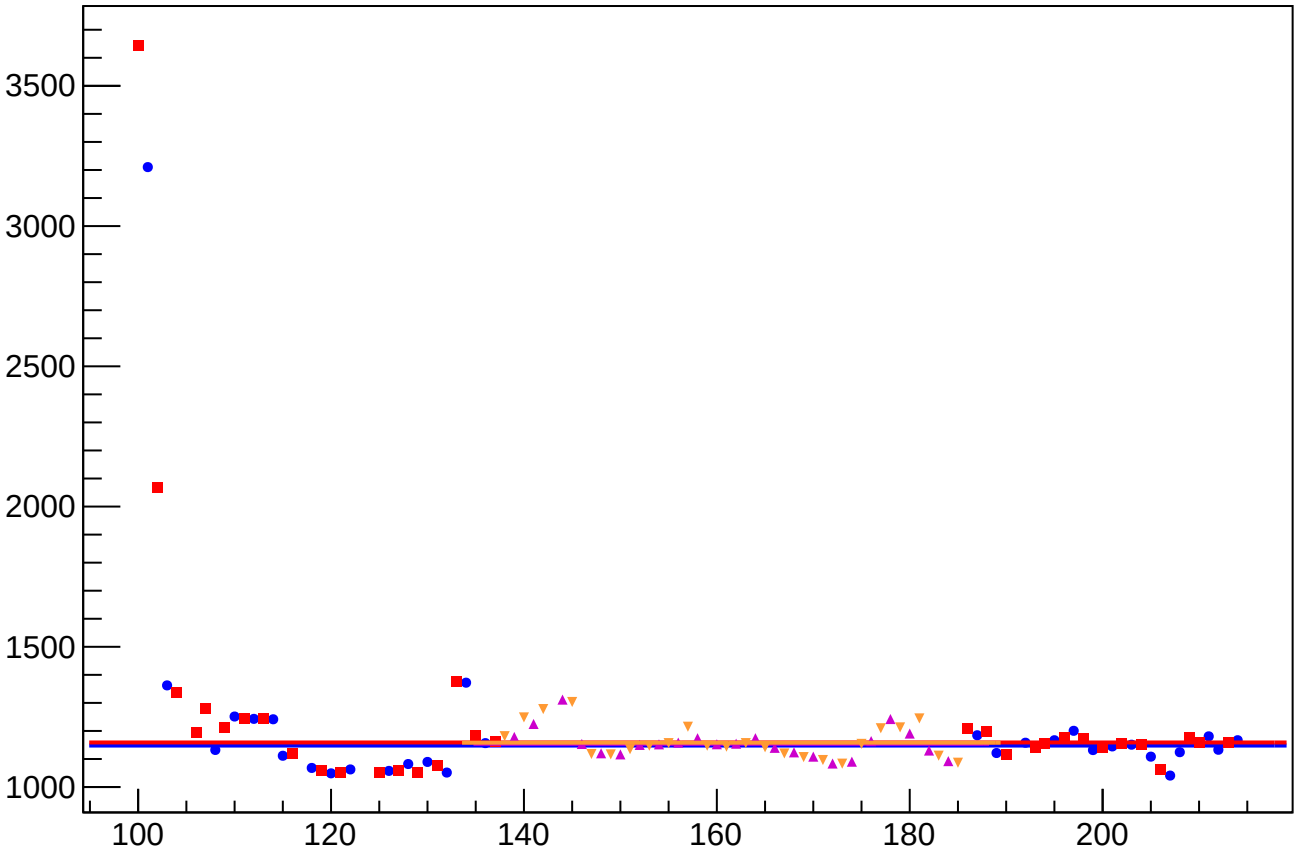
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: 45.027+/-191.969 χ^2/NDF: 60.7/61

In: -284.289+/-191.124 χ^2/NDF:39.8/52

Out: 396.402+/-191.410 χ^2/NDF:84.3/55

All: 55.548+/-135.246 χ^2/NDF: 130.4/108



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

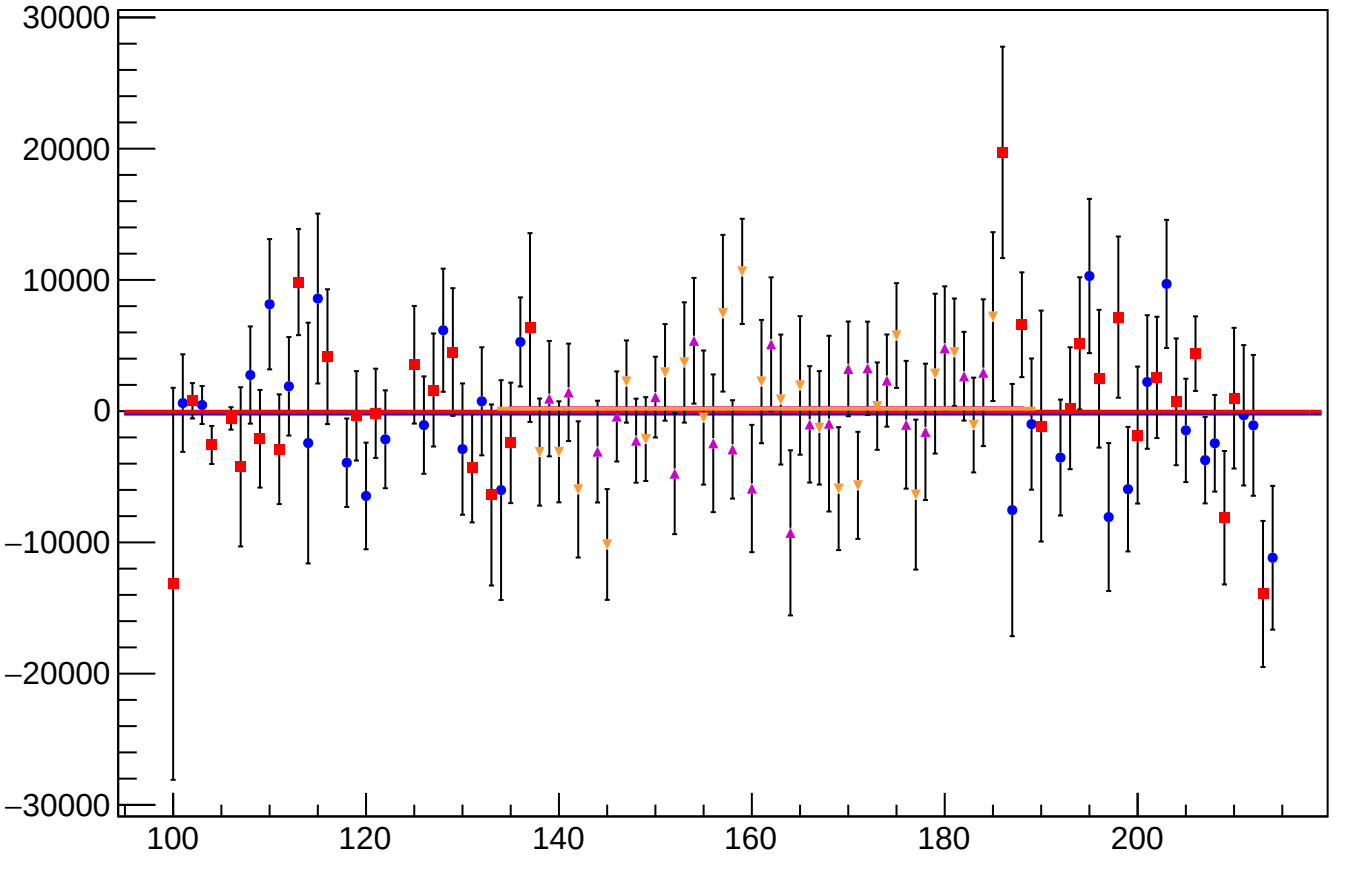
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1153.398+/-0.136 χ^2/NDF: 1024039.6/61

In: 1151.081+/-0.135 χ^2/NDF:733380.9/52

Out: 1158.556+/-0.135 χ^2/NDF:440150.3/55

All: 1154.813+/-0.096 χ^2/NDF: 1175058.6/10



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

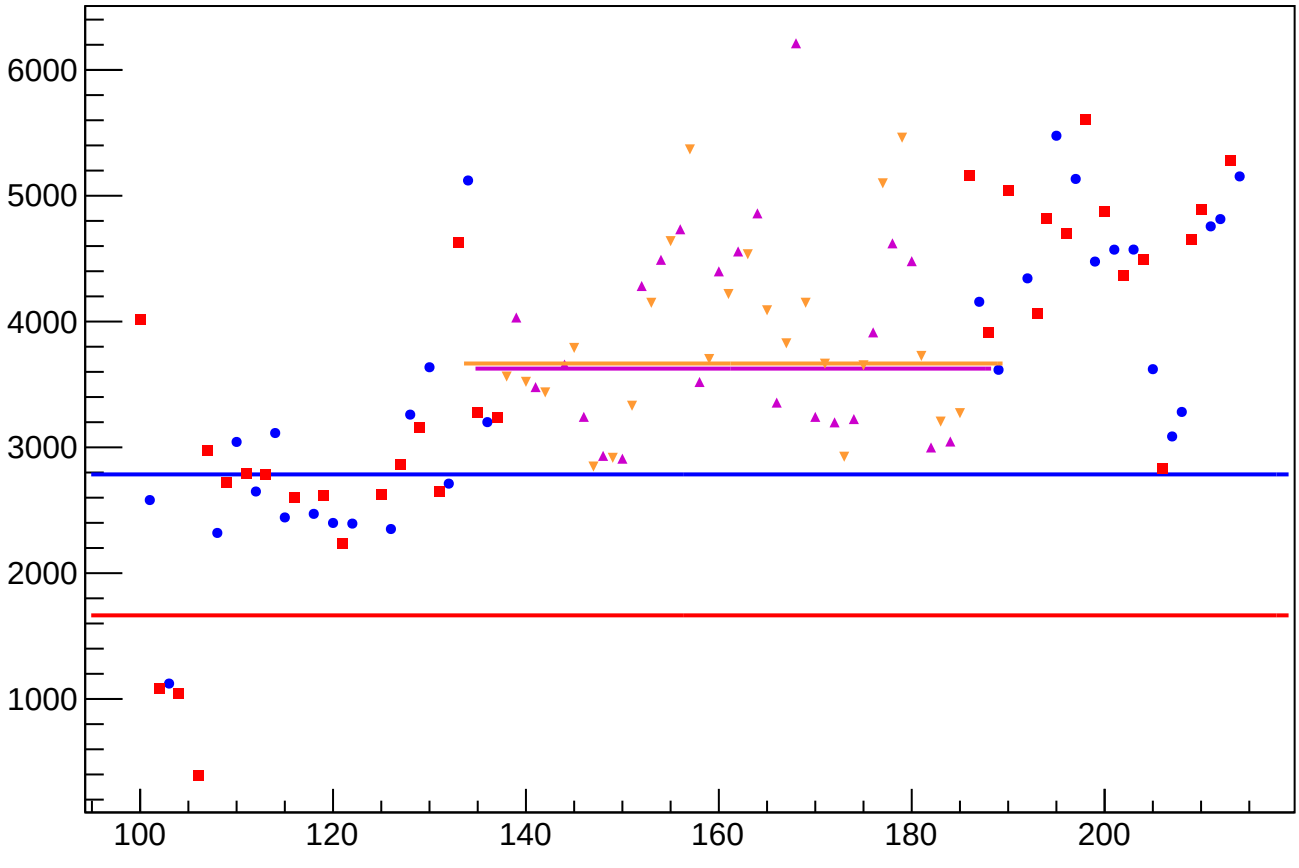
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: -88.976+/-420.772 χ^2/NDF: 73.1/61

In: -15.183+/-553.279 χ^2/NDF:46.4/52

Out: 18.655+/-445.367 χ^2/NDF:69.5/55

All: 5.350+/-346.933 χ^2/NDF: 116.0/108



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

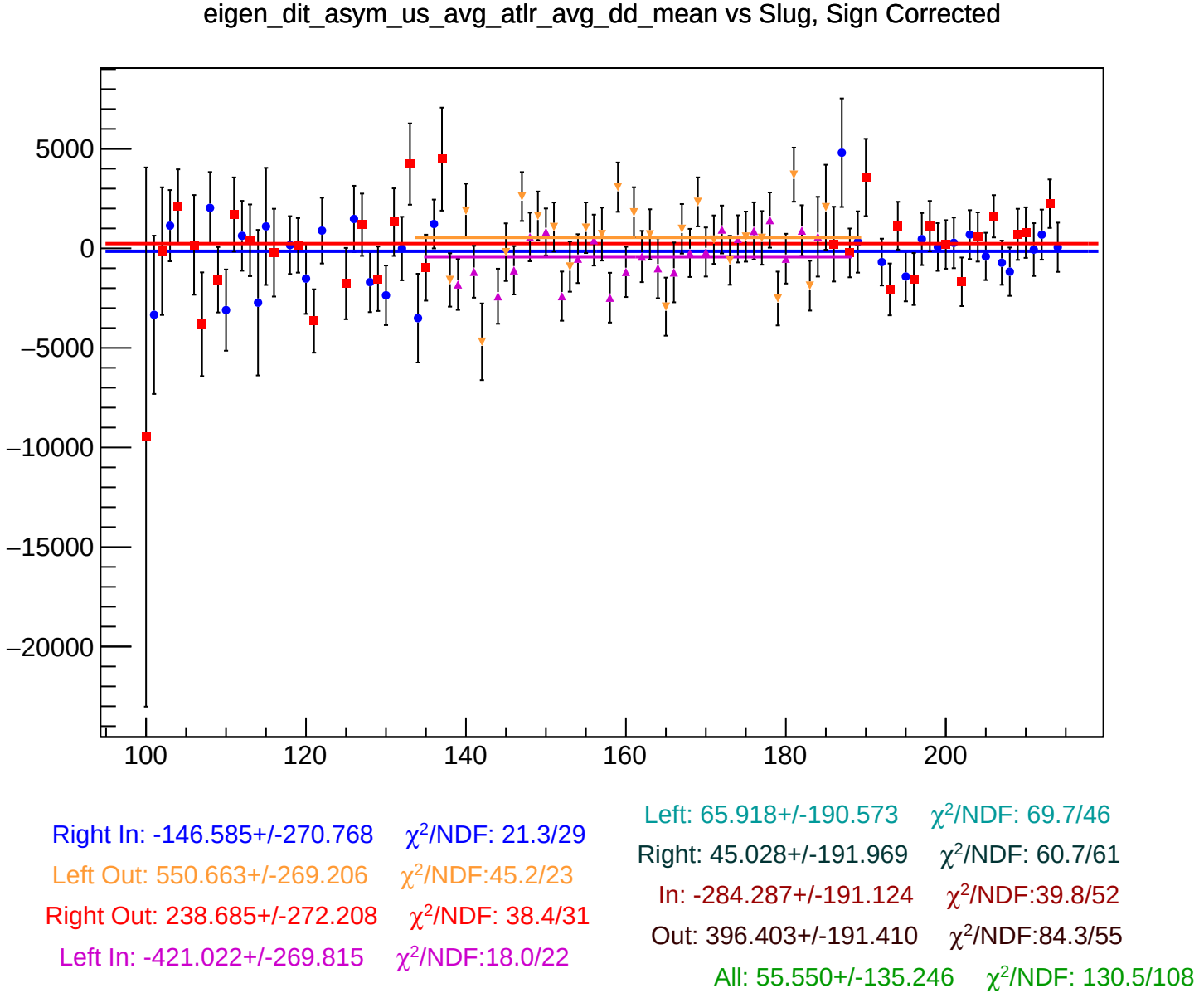
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

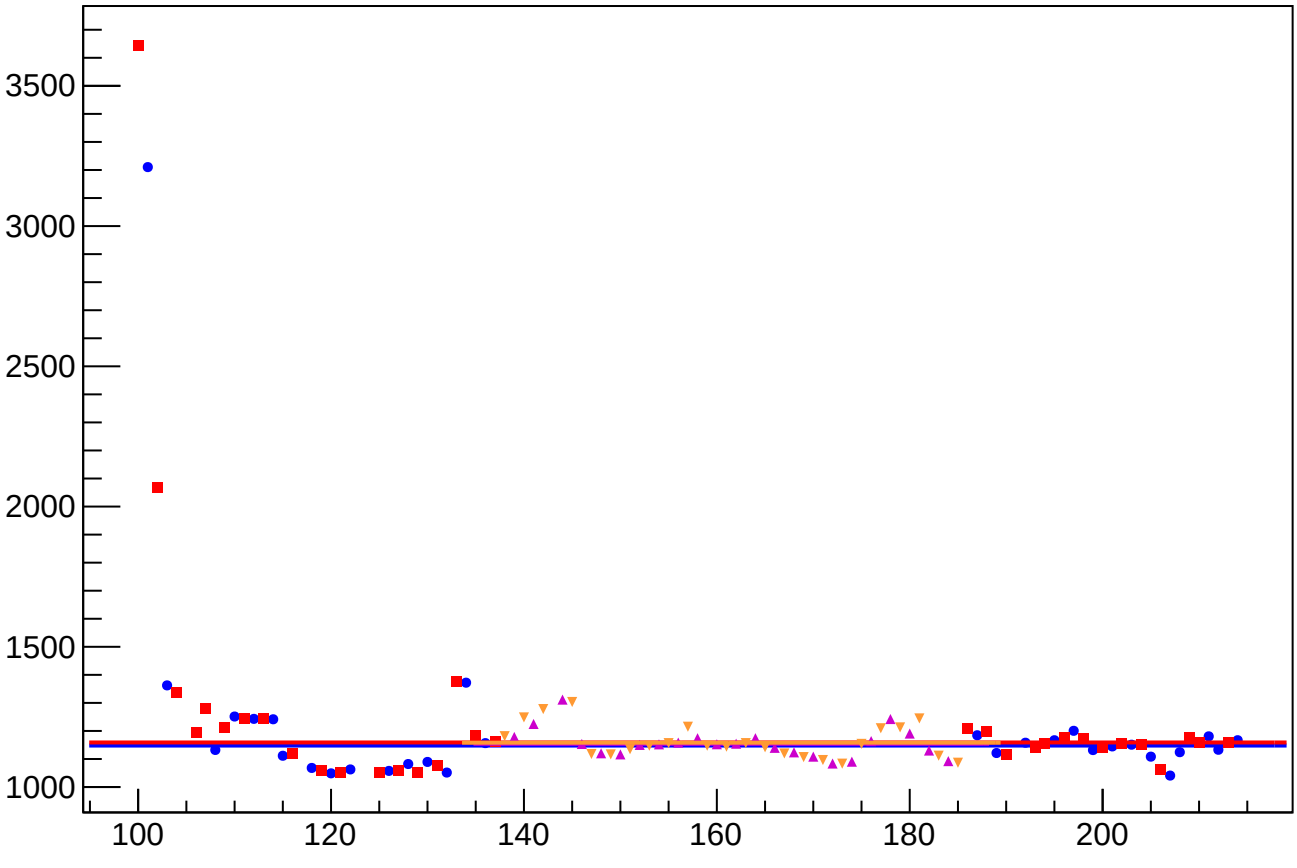
Right: 2047.377+/-0.298 χ^2/NDF: 25361503.5/61

In: 3129.269+/-0.391 χ^2/NDF:8371954.9/52

Out: 2189.913+/-0.315 χ^2/NDF:25091779.4/55

All: 2559.257+/-0.245 χ^2/NDF: 36962019.3/1


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -146.585+/-270.768 χ²/NDF: 21.3/29
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: 238.685+/-272.208 χ²/NDF: 38.4/31
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: 45.028+/-191.969 χ²/NDF: 60.7/61
In: -284.287+/-191.124 χ²/NDF:39.8/52
Out: 396.403+/-191.410 χ²/NDF:84.3/55
All: 55.550+/-135.246 χ²/NDF: 130.5/108



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

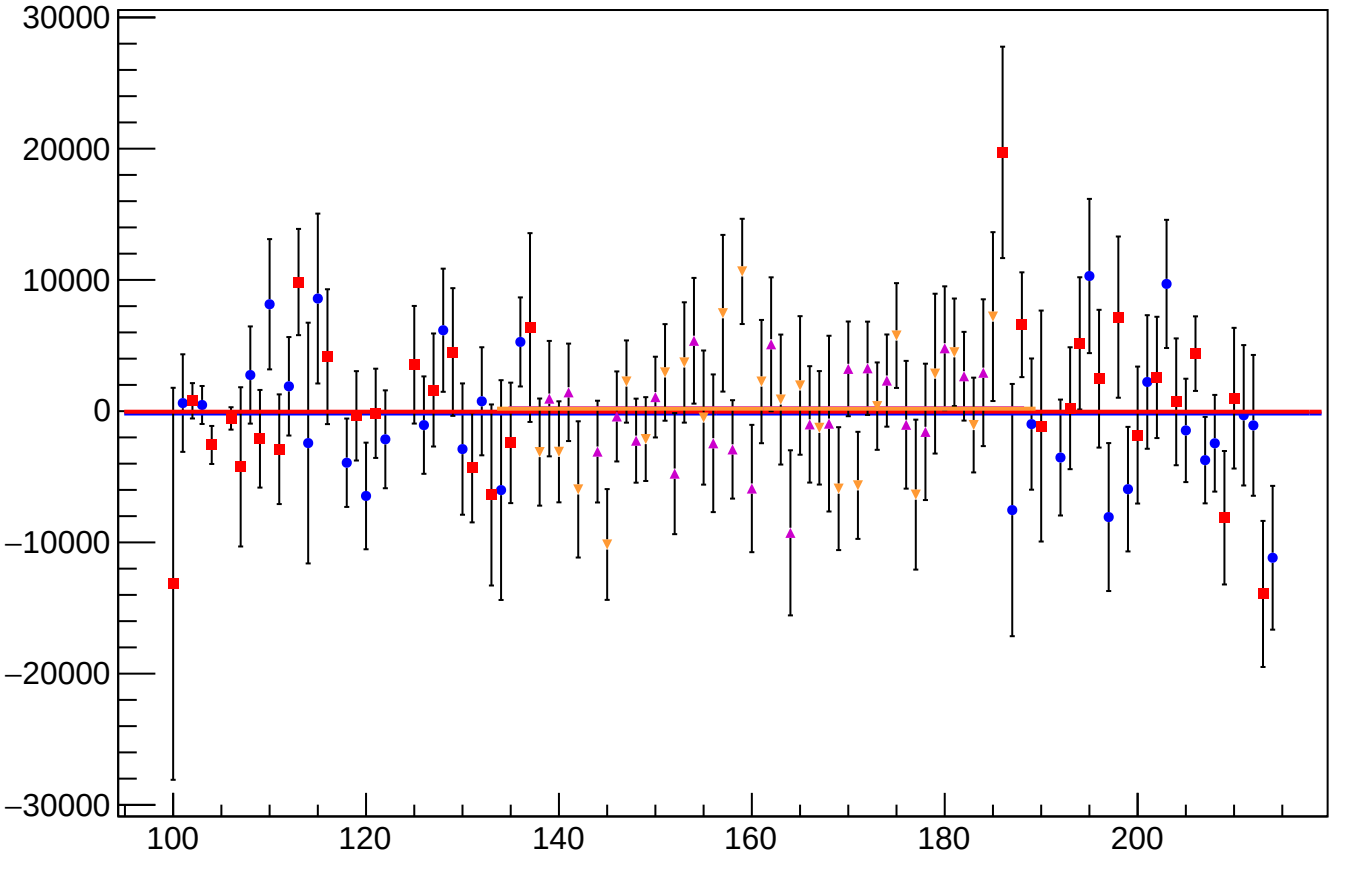
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1153.398+/-0.136 χ^2/NDF: 1024039.8/61

In: 1151.082+/-0.135 χ^2/NDF:733384.0/52

Out: 1158.556+/-0.135 χ^2/NDF:440152.6/55

All: 1154.814+/-0.096 χ^2/NDF: 1175063.9/10



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

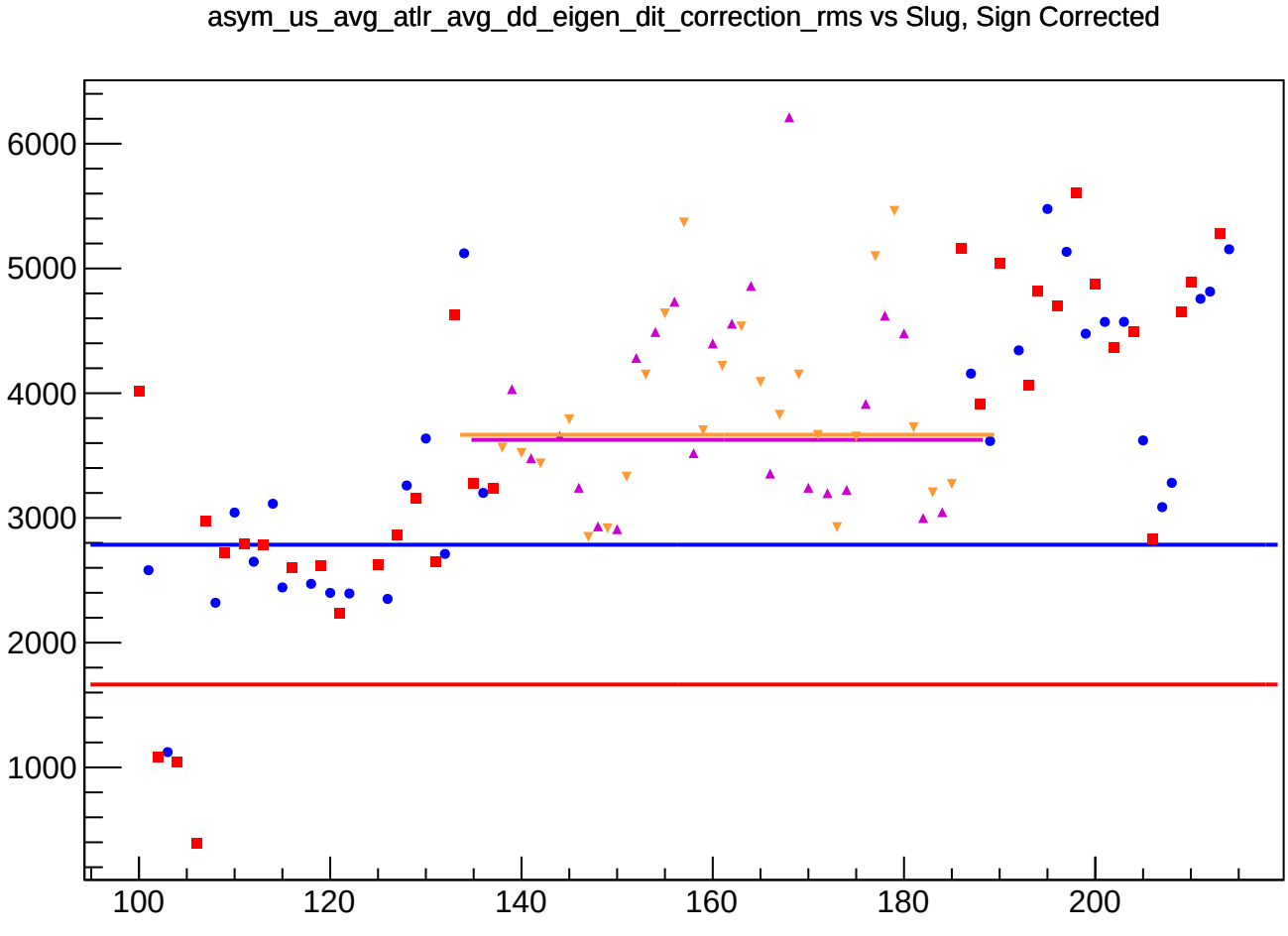
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

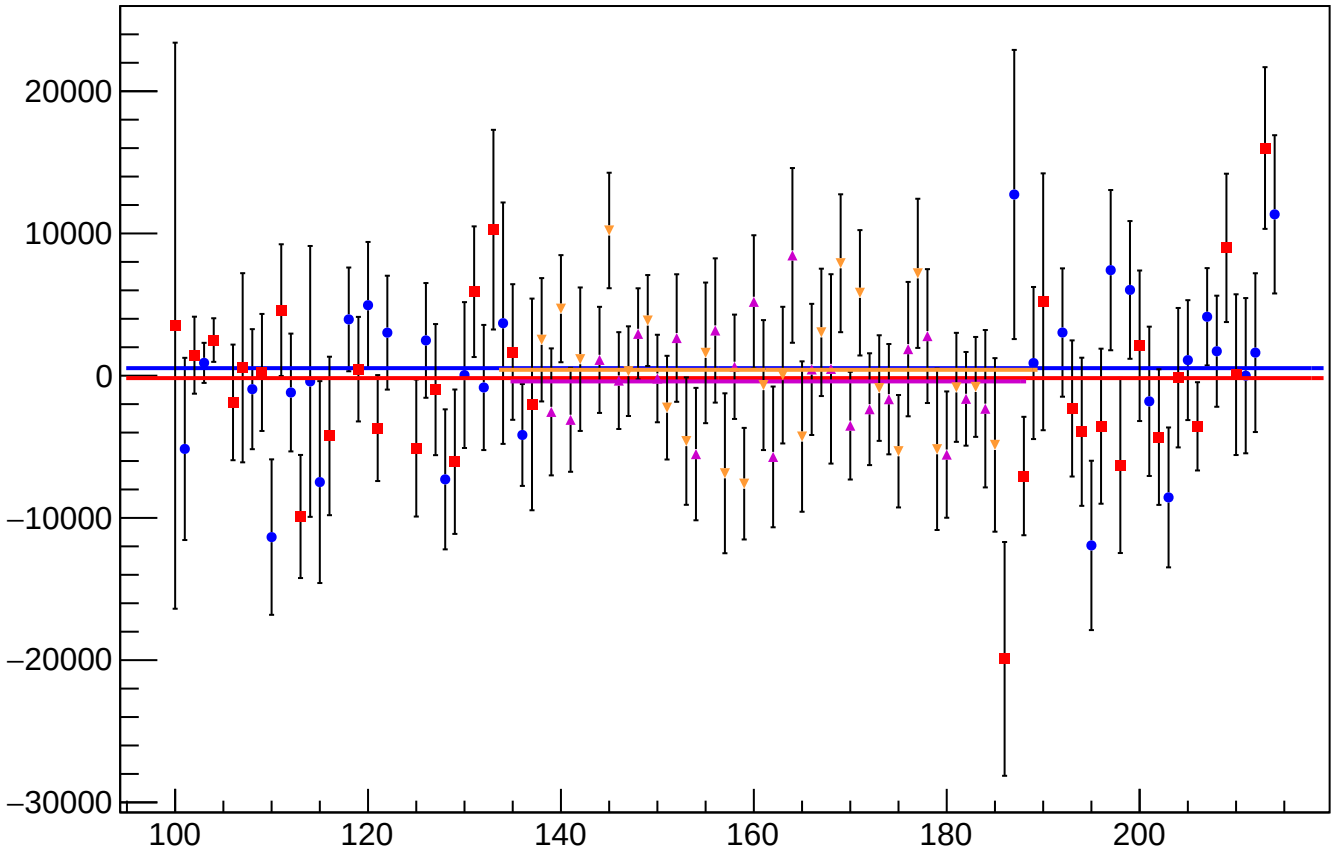
Right: -88.982+/-420.769 χ^2/NDF: 73.1/61

In: -15.184+/-553.280 χ^2/NDF:46.4/52

Out: 18.648+/-445.364 χ^2/NDF:69.5/55

All: 5.345+/-346.931 χ^2/NDF: 116.0/108


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2785.065+/-0.509 χ²/NDF: 5997133.6/29
Left Out: 3666.541+/-0.615 χ²/NDF:1095834.2/23
Right Out: 1664.576+/-0.367 χ²/NDF: 16175006.7/31
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
Left: 3646.134+/-0.434 χ²/NDF: 2355959.1/46
Right: 2047.352+/-0.298 χ²/NDF: 25362028.5/61
In: 3129.269+/-0.391 χ²/NDF:8372005.0/52
Out: 2189.884+/-0.315 χ²/NDF:25092399.5/55
All: 2559.236+/-0.245 χ²/NDF: 36962922.4/1



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

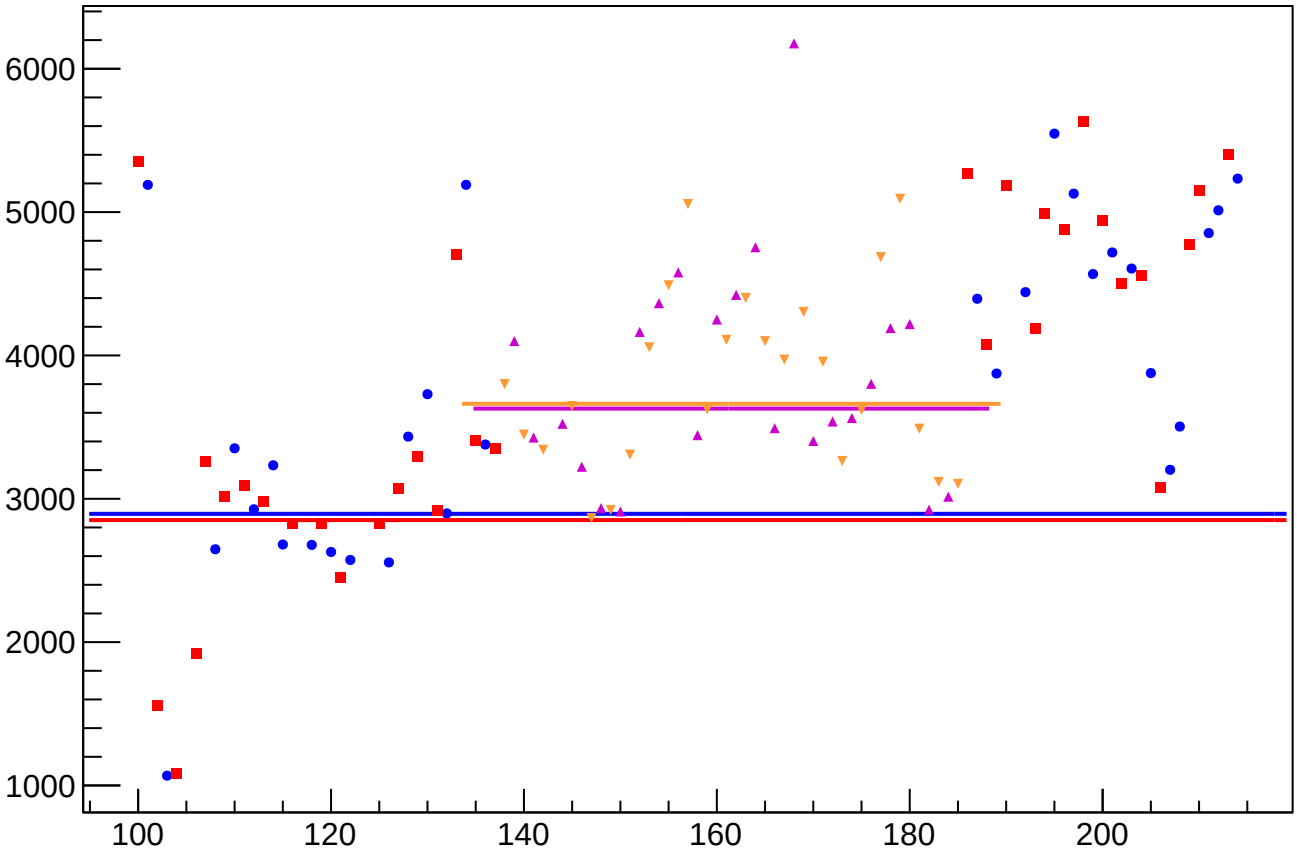
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: 176.293+/-530.612 χ^2/NDF: 74.2/61

In: 125.660+/-567.678 χ^2/NDF:44.7/52

Out: 78.593+/-565.361 χ^2/NDF:69.5/55

All: 102.030+/-400.587 χ^2/NDF: 114.2/108



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

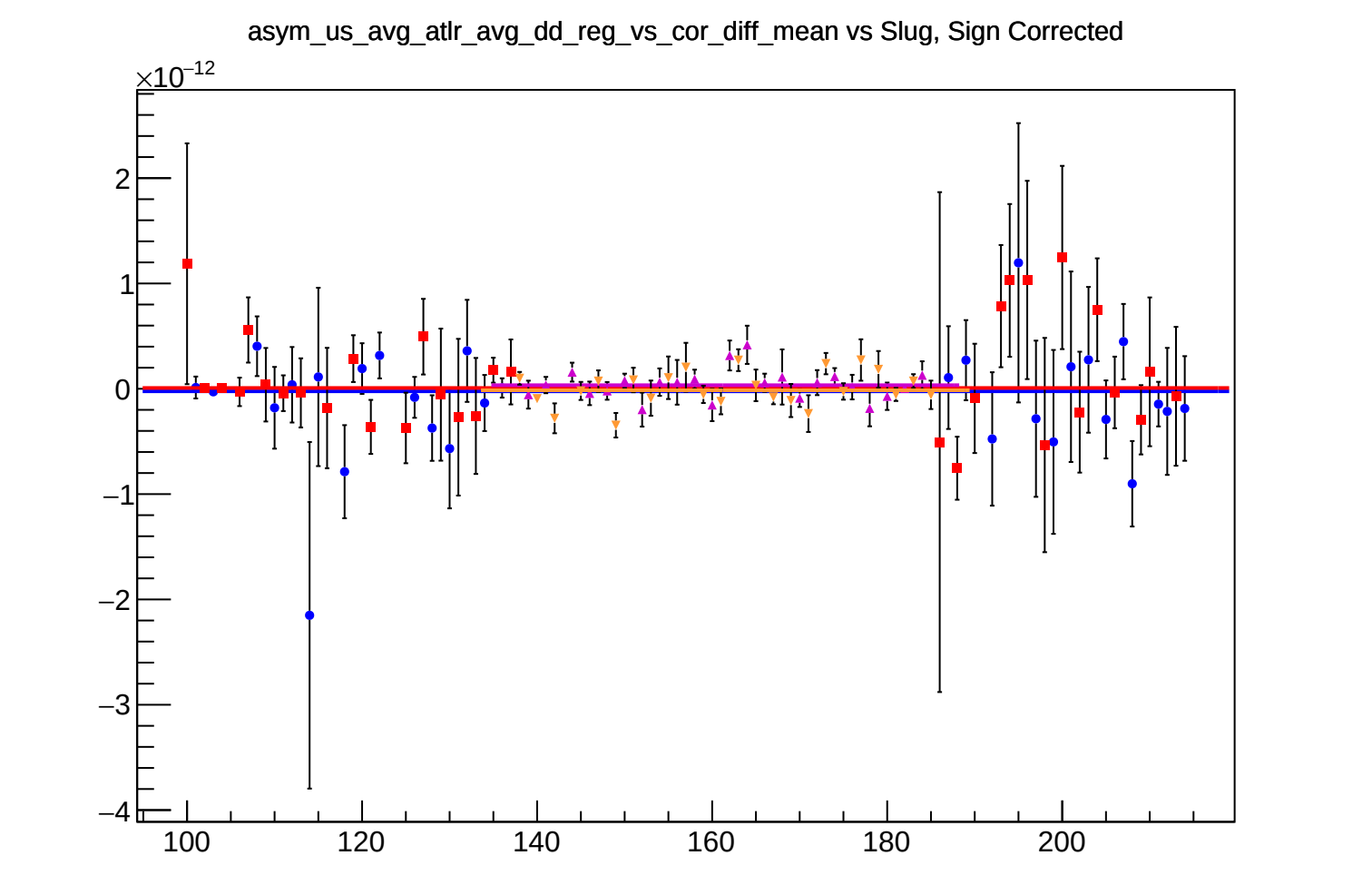
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2872.959+/-0.375 χ^2/NDF: 13772027.8/61

In: 3213.164+/-0.401 χ^2/NDF:8673767.3/52

Out: 3196.973+/-0.399 χ^2/NDF:8873612.6/55

All: 3205.027+/-0.283 χ^2/NDF: 17548197.5/



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/29

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/31

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

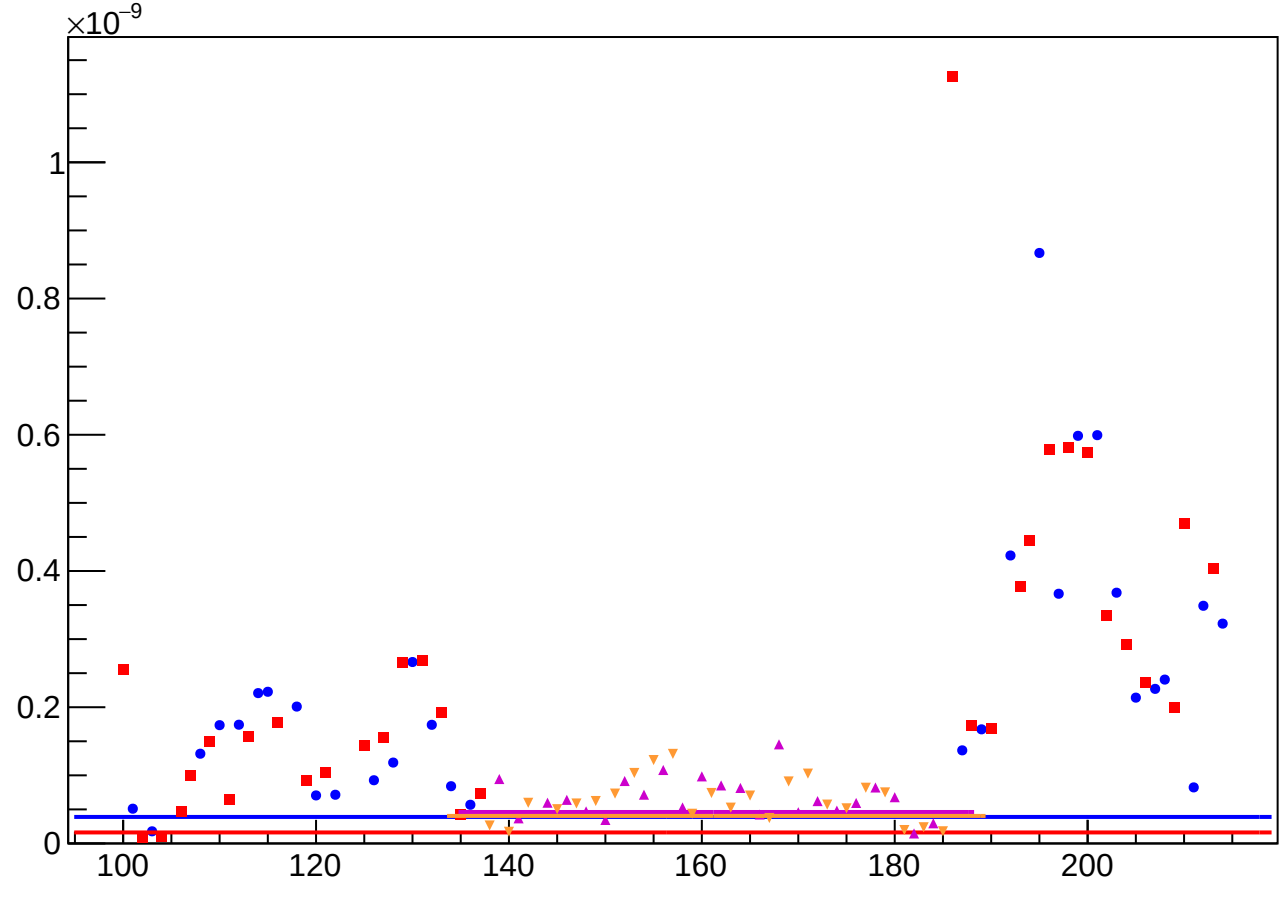
Right: -0.000+/-0.000 χ^2/NDF: 56.4/61

In: 0.000+/-0.000 χ^2/NDF:50.0/52

Out: -0.000+/-0.000 χ^2/NDF:77.4/55

All: 0.000+/-0.000 χ^2/NDF: 127.8/108

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

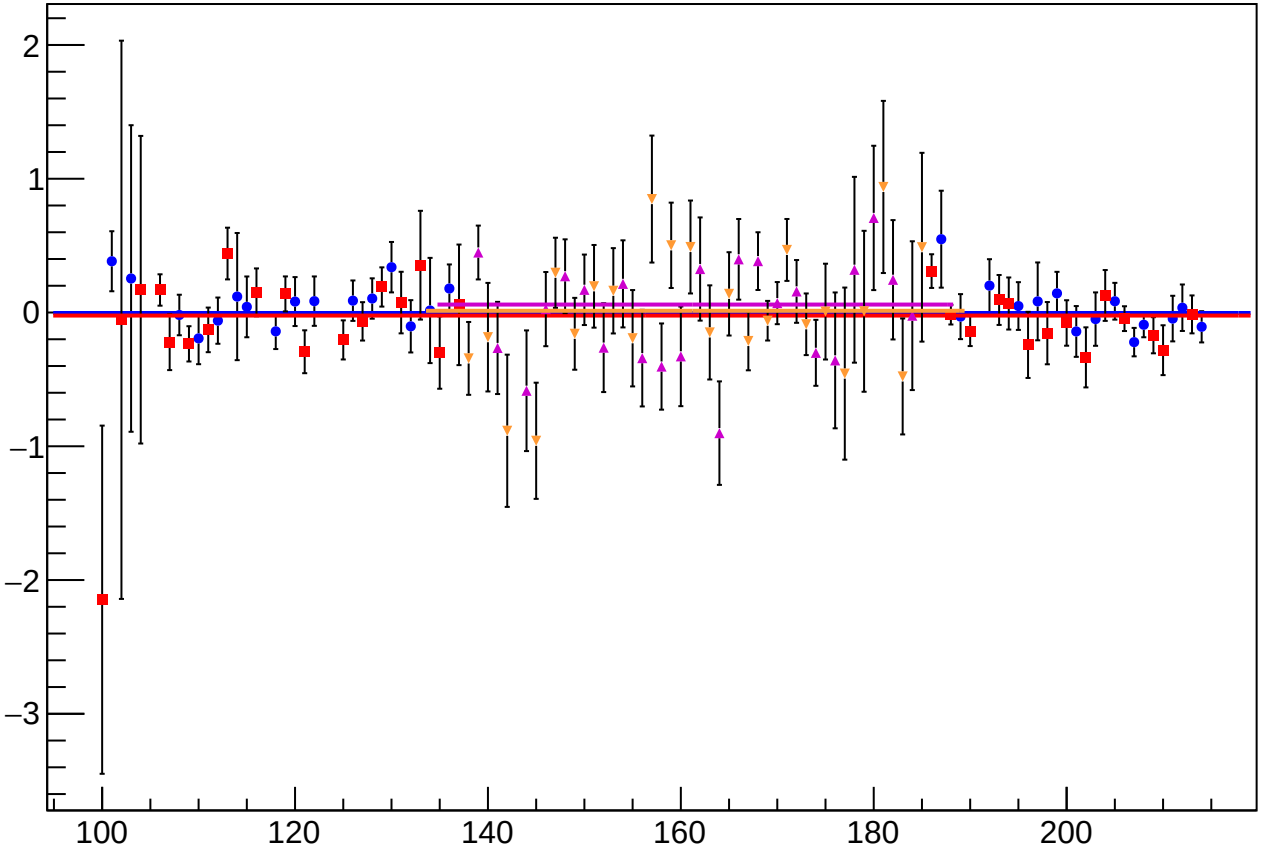
Right: 0.000+/-0.000 χ^2/NDF: 24204936.7/61

In: 0.000+/-0.000 χ^2/NDF:13269850.8/52

Out: 0.000+/-0.000 χ^2/NDF:18271473.0/55

All: 0.000+/-0.000 χ^2/NDF: 33200410.5/108

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

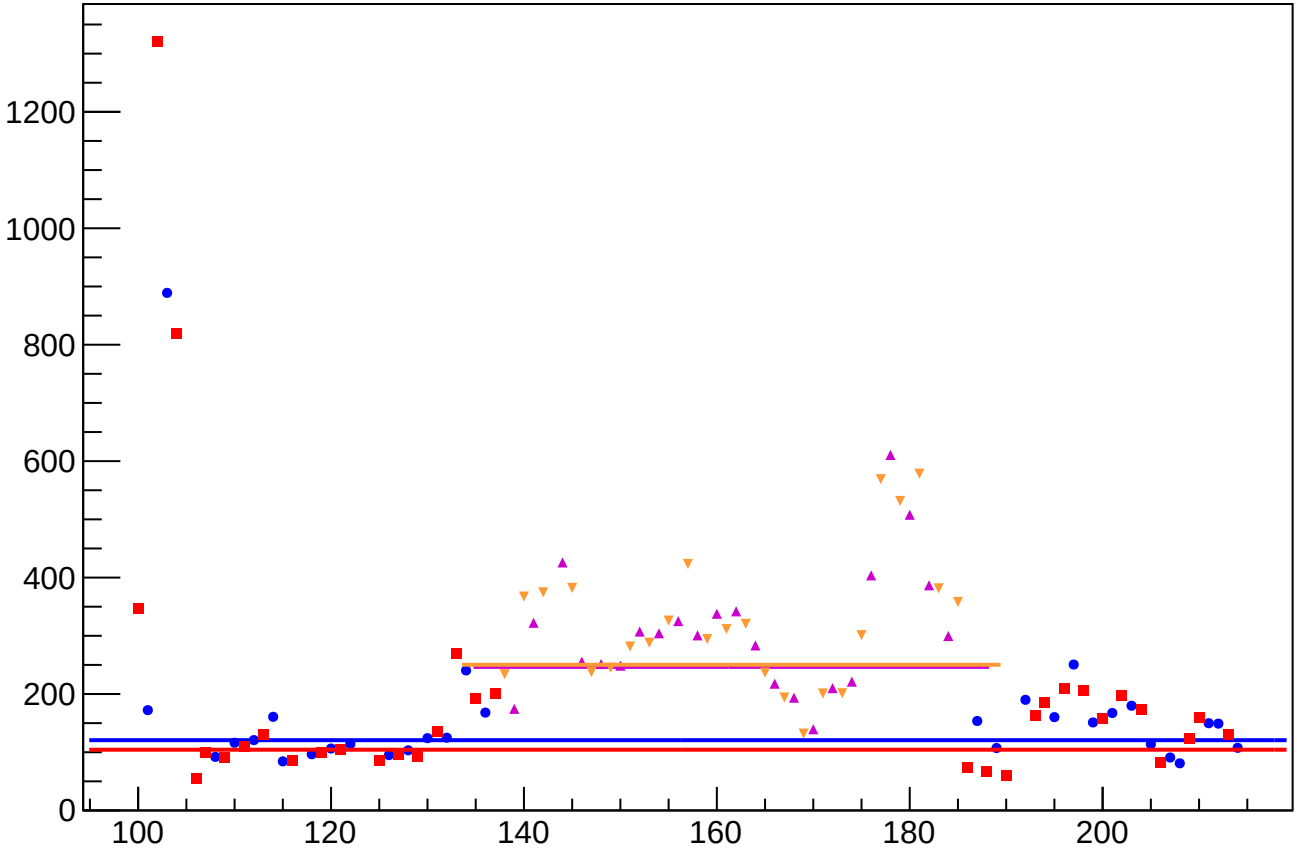
Right: -0.014+/-0.021 χ^2/NDF: 64.6/61

In: 0.009+/-0.028 χ^2/NDF:51.4/52

Out: -0.017+/-0.026 χ^2/NDF:71.4/55

All: -0.005+/-0.019 χ^2/NDF: 123.2/108

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

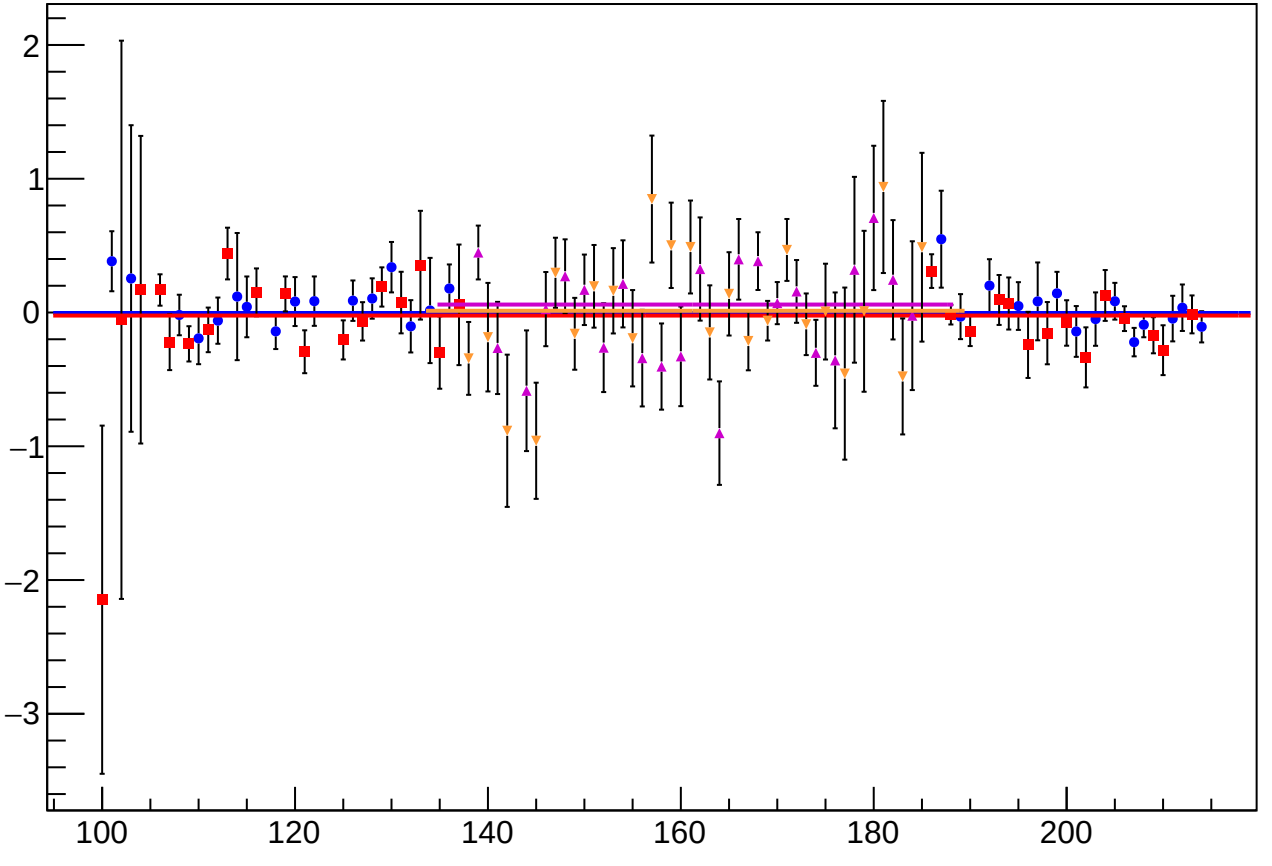
Right: 111.678+/-0.015 χ^2/NDF: 9867072.1/61

In: 145.820+/-0.020 χ^2/NDF:13809986.8/52

Out: 128.295+/-0.018 χ^2/NDF:19442006.9/55

All: 136.350+/-0.013 χ^2/NDF: 33684814.9/10

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

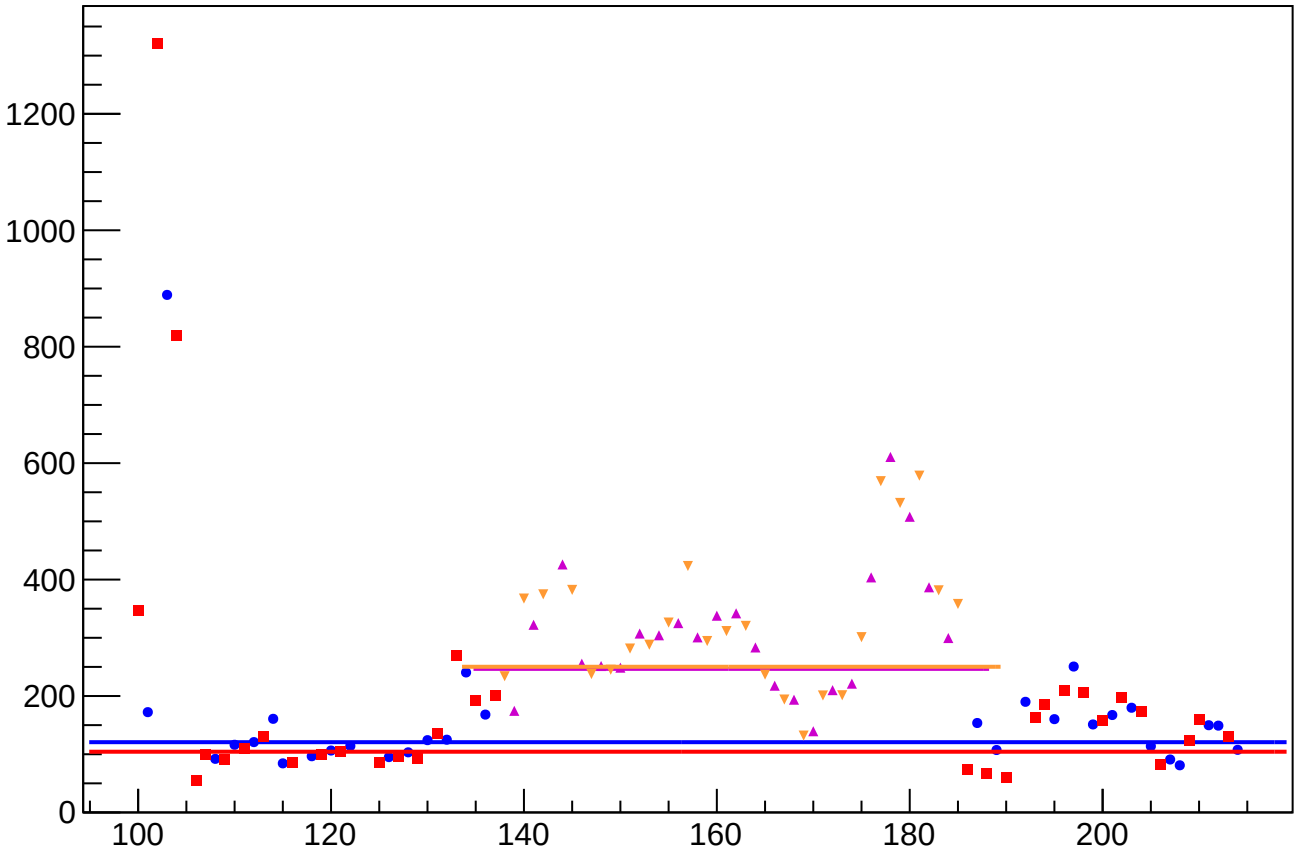
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.014+/-0.021 χ^2/NDF: 64.6/61

In: 0.009+/-0.028 χ^2/NDF:51.4/52

Out: -0.017+/-0.026 χ^2/NDF:71.4/55

All: -0.005+/-0.019 χ^2/NDF: 123.2/108



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

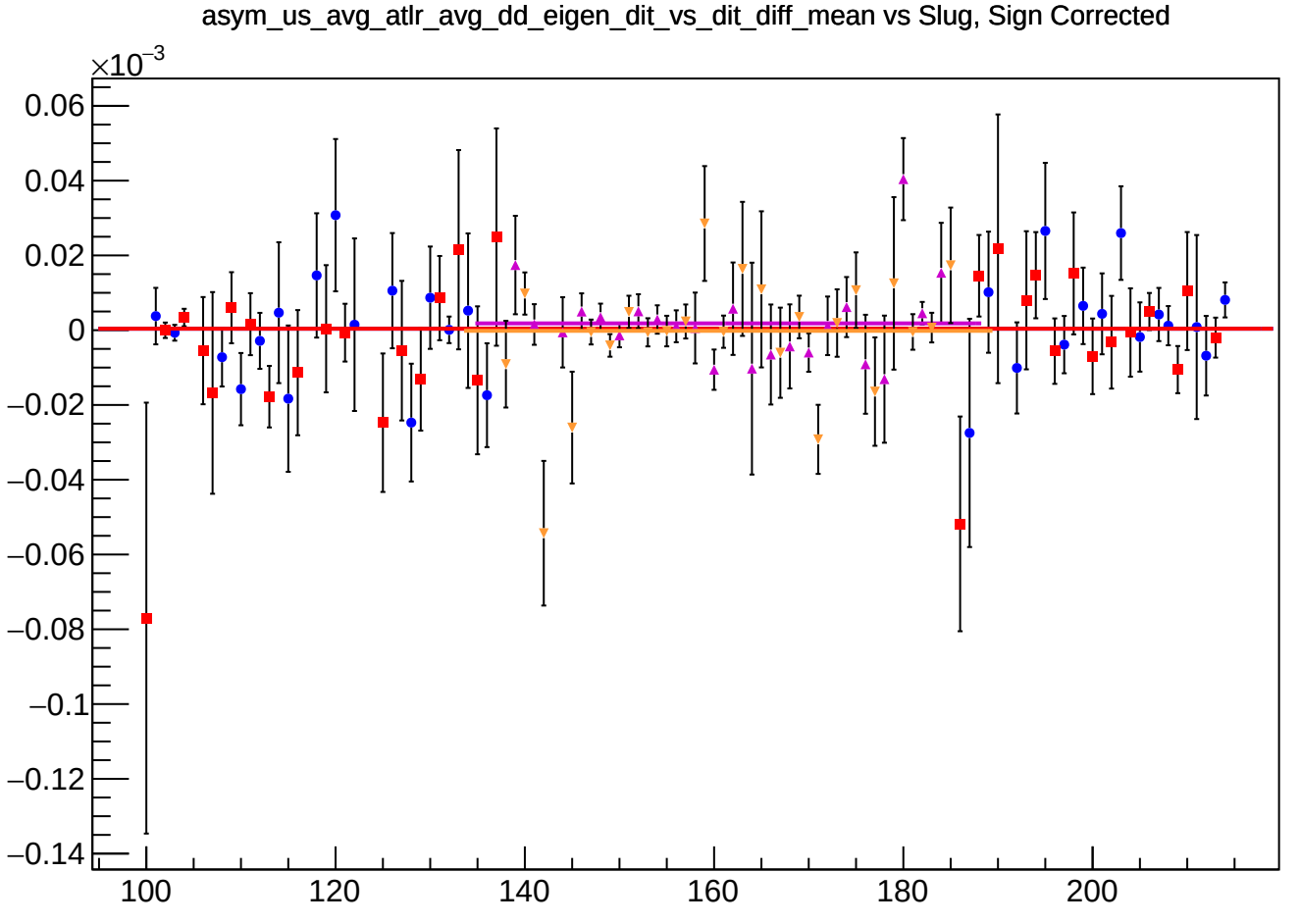
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 111.678+/-0.015 χ^2/NDF: 9867072.1/61

In: 145.820+/-0.020 χ^2/NDF:13809986.8/52

Out: 128.295+/-0.018 χ^2/NDF:19442006.9/55

All: 136.350+/-0.013 χ^2/NDF: 33684814.9/10



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

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

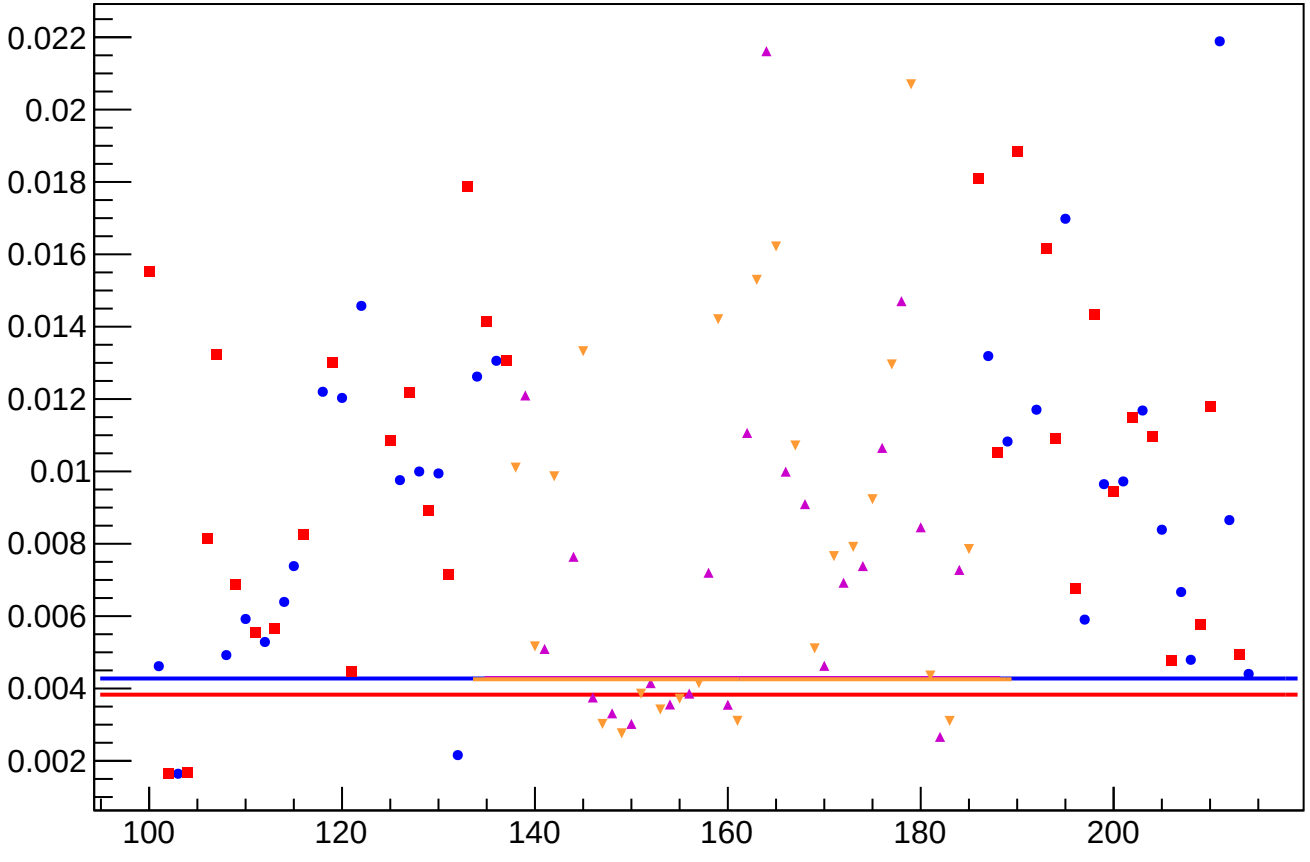
Right: 0.000+/-0.000 χ^2/NDF: 54.4/61

In: 0.000+/-0.000 χ^2/NDF:54.7/52

Out: 0.000+/-0.000 χ^2/NDF:65.8/55

All: 0.000+/-0.000 χ^2/NDF: 121.3/108

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

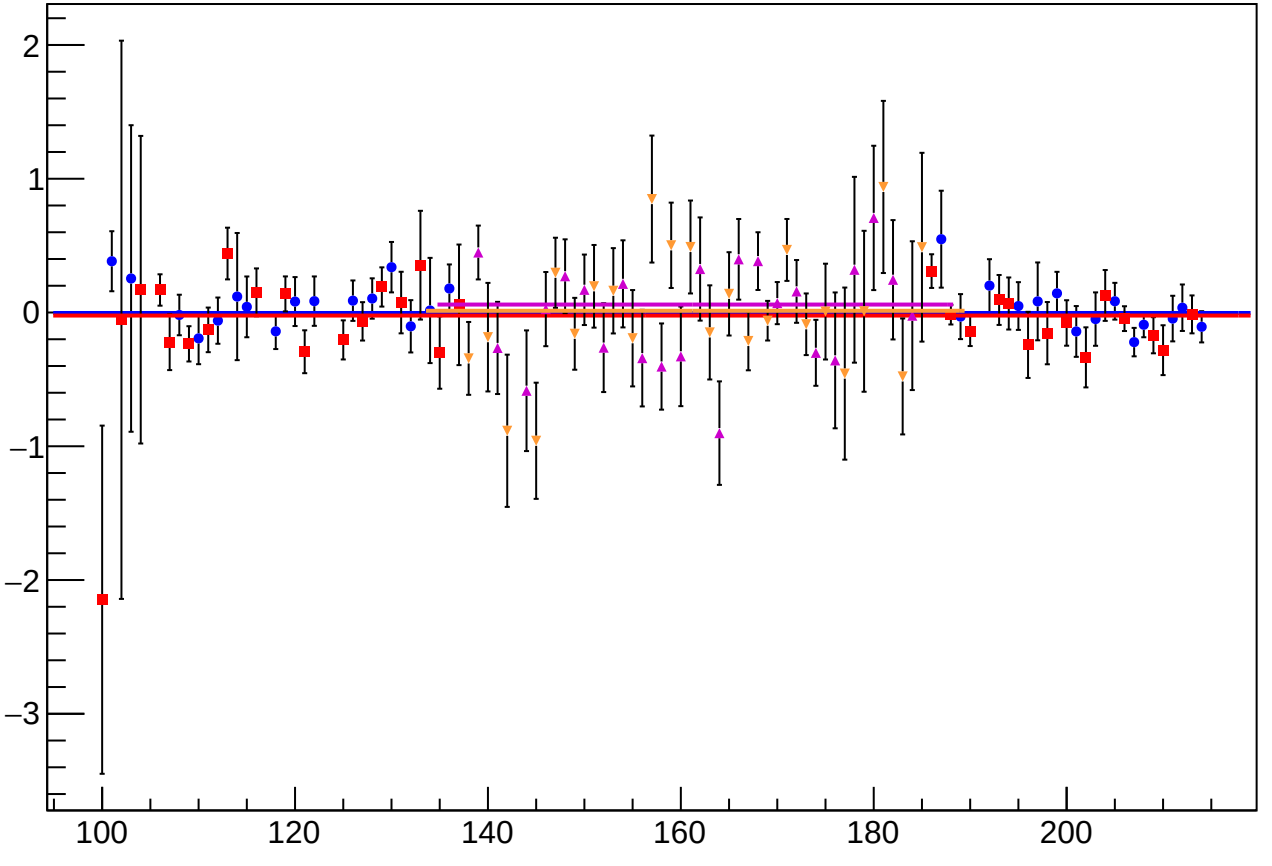
Right: 0.004+/-0.000 χ^2/NDF: 28554580.5/61

In: 0.004+/-0.000 χ^2/NDF:19795900.6/52

Out: 0.004+/-0.000 χ^2/NDF:23852239.2/55

All: 0.004+/-0.000 χ^2/NDF: 43721707.3/108

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

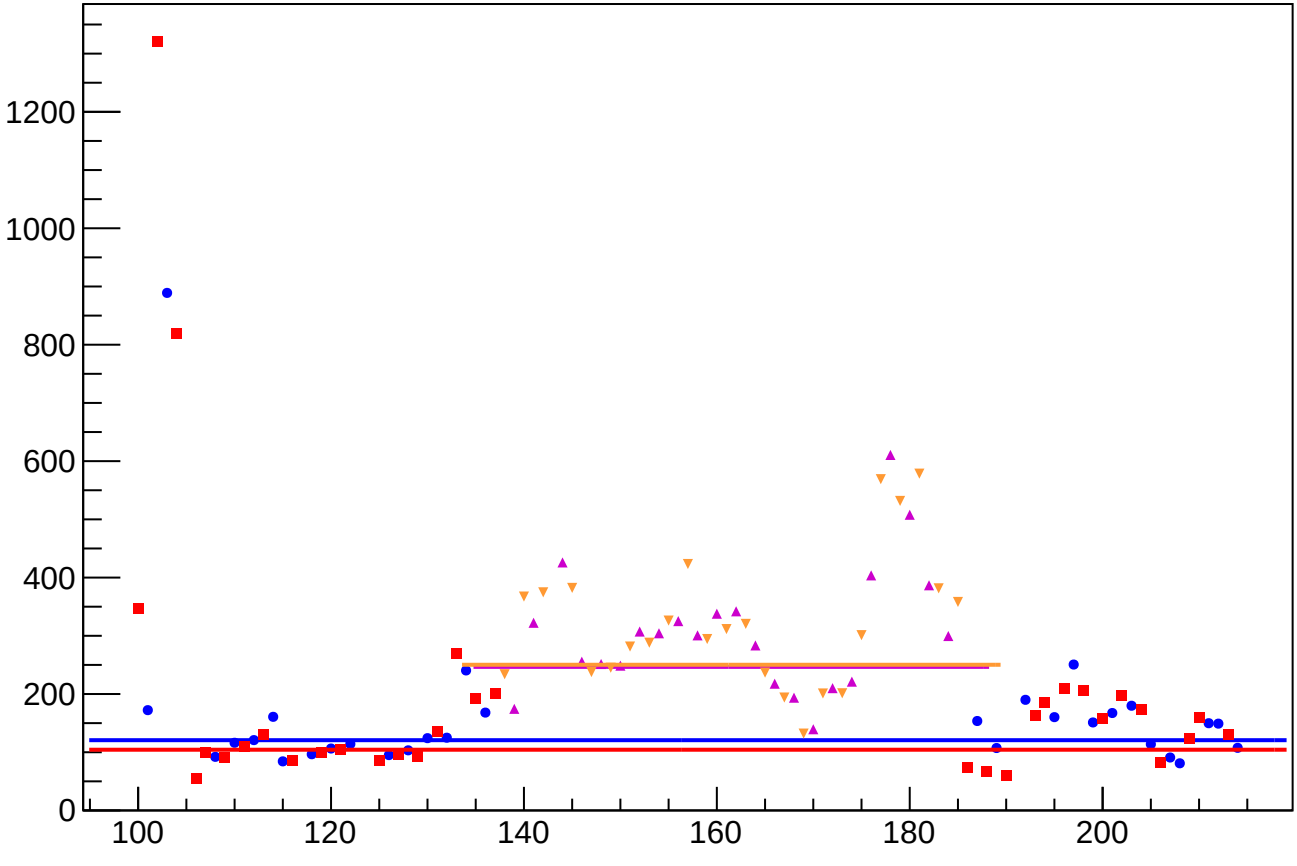
Right: -0.014+/-0.021 χ^2/NDF: 64.6/61

In: 0.009+/-0.028 χ^2/NDF:51.4/52

Out: -0.017+/-0.026 χ^2/NDF:71.4/55

All: -0.005+/-0.019 χ^2/NDF: 123.2/108

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

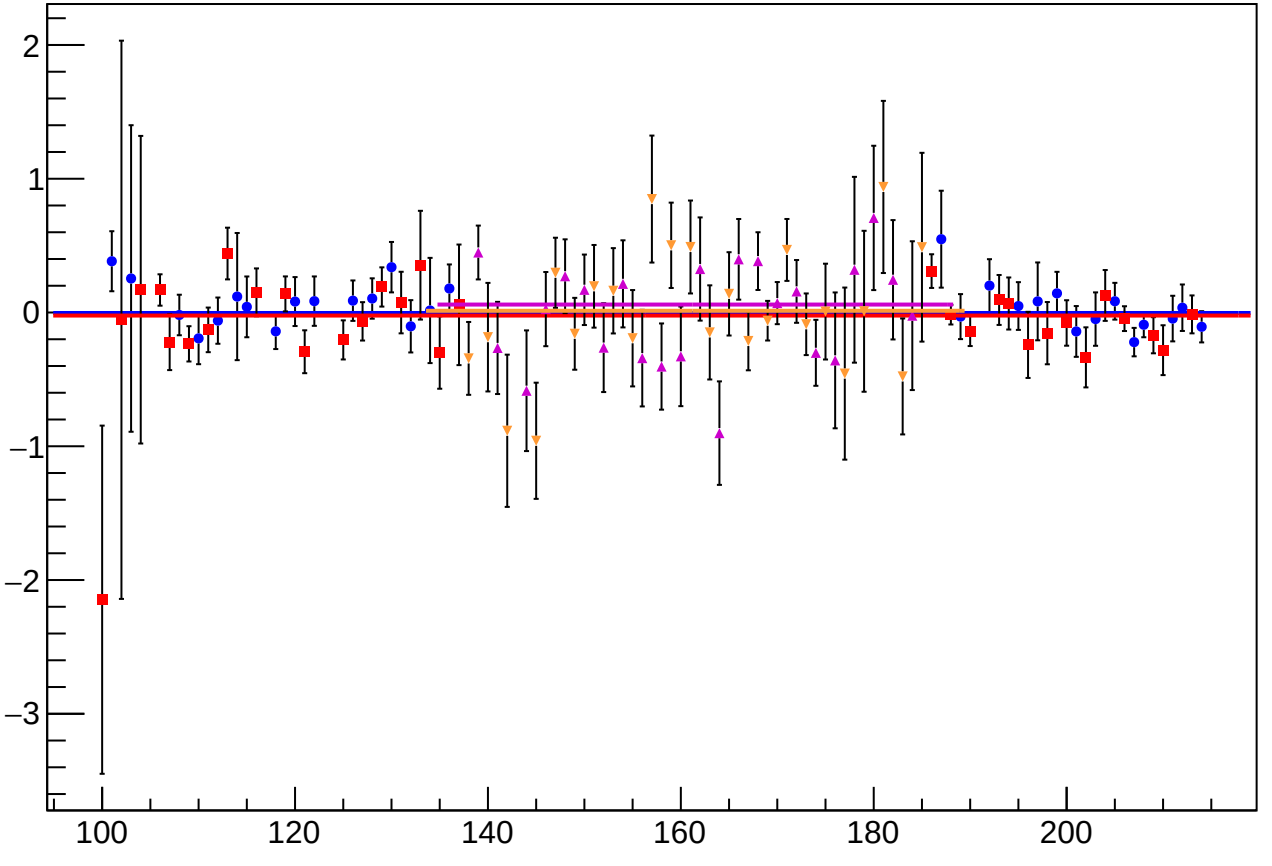
Right: 111.674+/-0.015 χ^2/NDF: 9867853.4/61

In: 145.818+/-0.020 χ^2/NDF:13810386.8/52

Out: 128.290+/-0.018 χ^2/NDF:19443314.3/55

All: 136.347+/-0.013 χ^2/NDF: 33686694.7/10

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

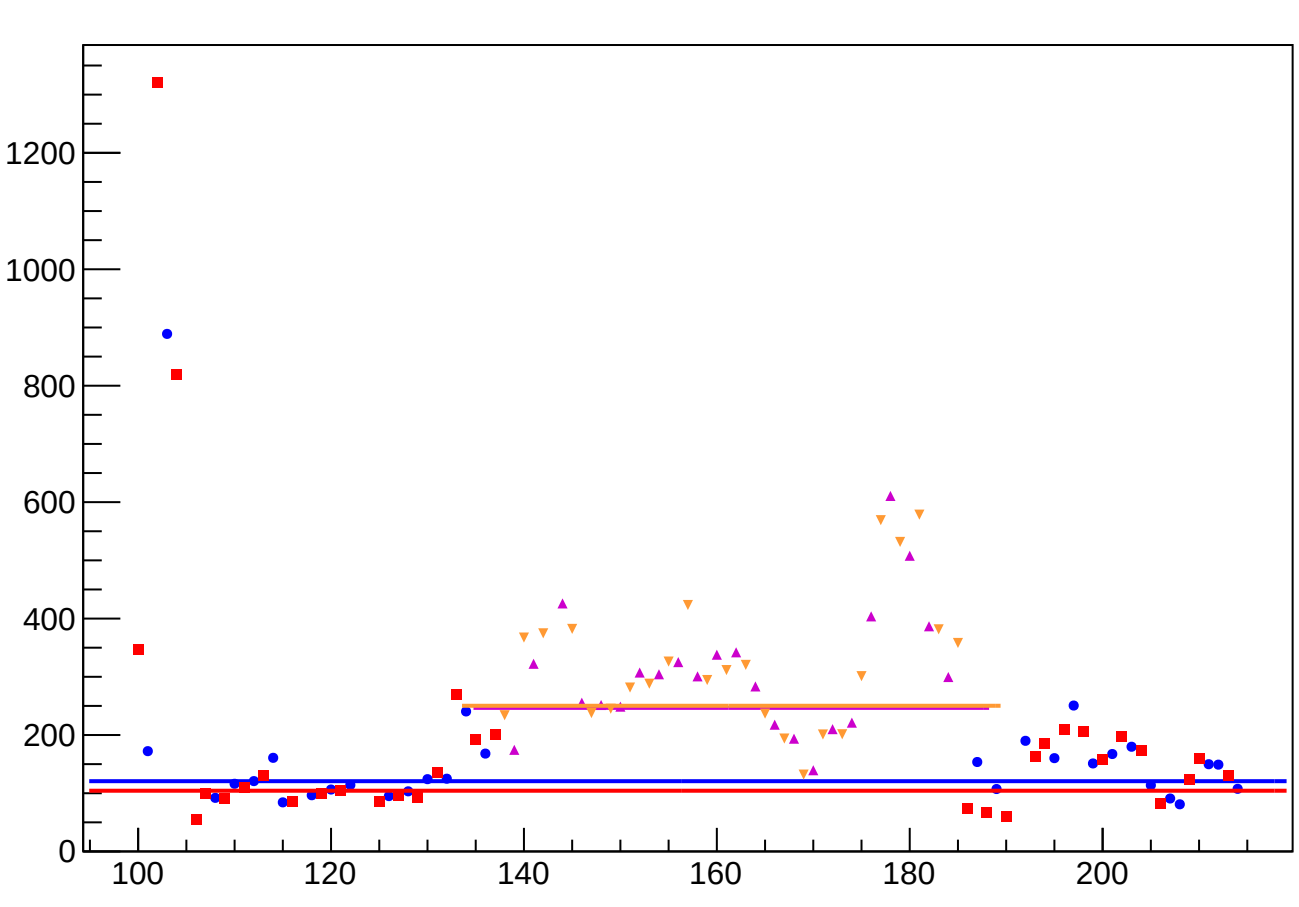
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.014+/-0.021 χ^2/NDF: 64.6/61

In: 0.009+/-0.028 χ^2/NDF:51.4/52

Out: -0.017+/-0.026 χ^2/NDF:71.4/55

All: -0.005+/-0.019 χ^2/NDF: 123.2/108



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

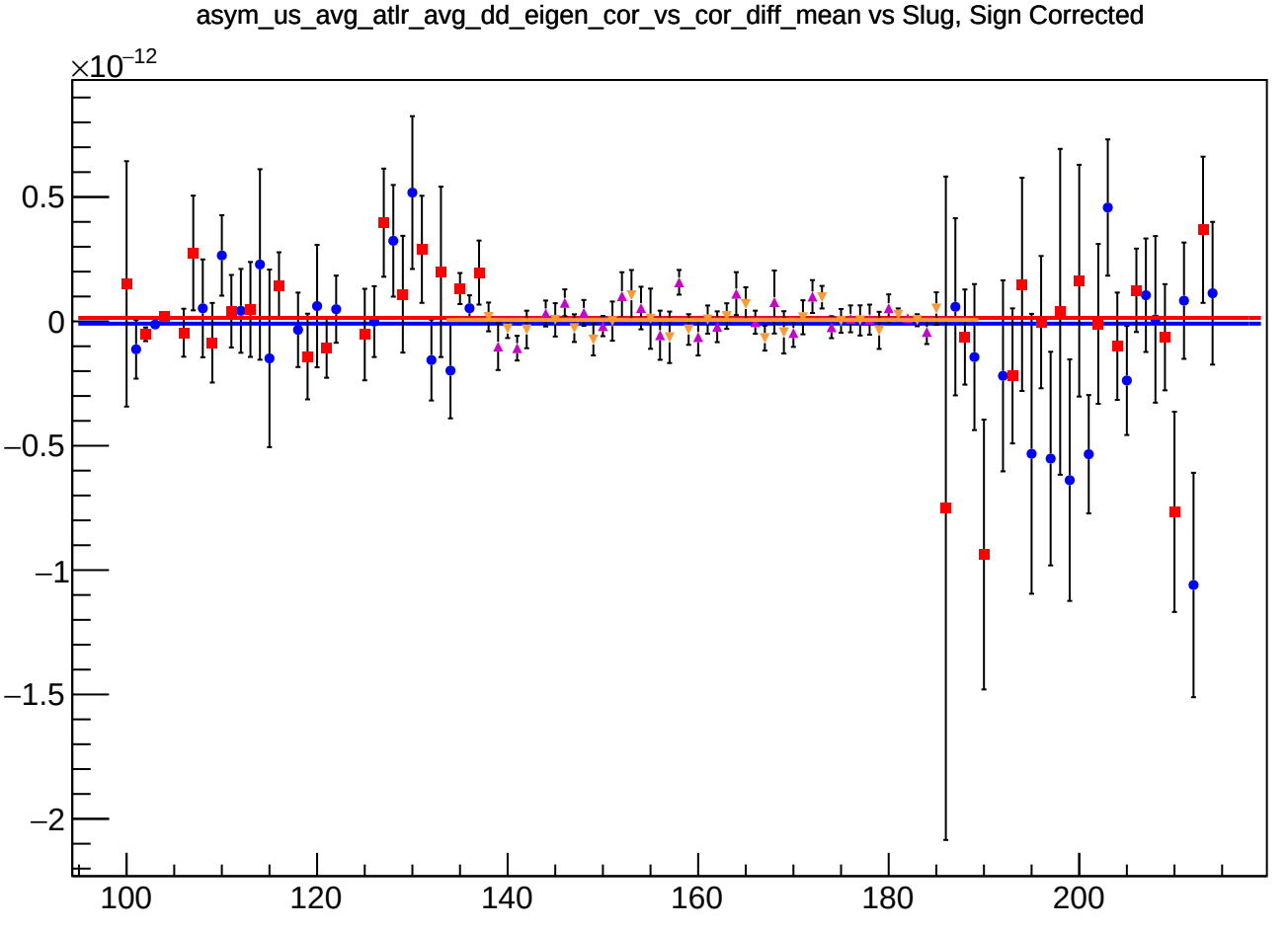
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 111.674+/-0.015 χ^2/NDF: 9867853.4/61

In: 145.818+/-0.020 χ^2/NDF:13810386.8/52

Out: 128.290+/-0.018 χ^2/NDF:19443314.3/55

All: 136.347+/-0.013 χ^2/NDF: 33686694.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/31

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

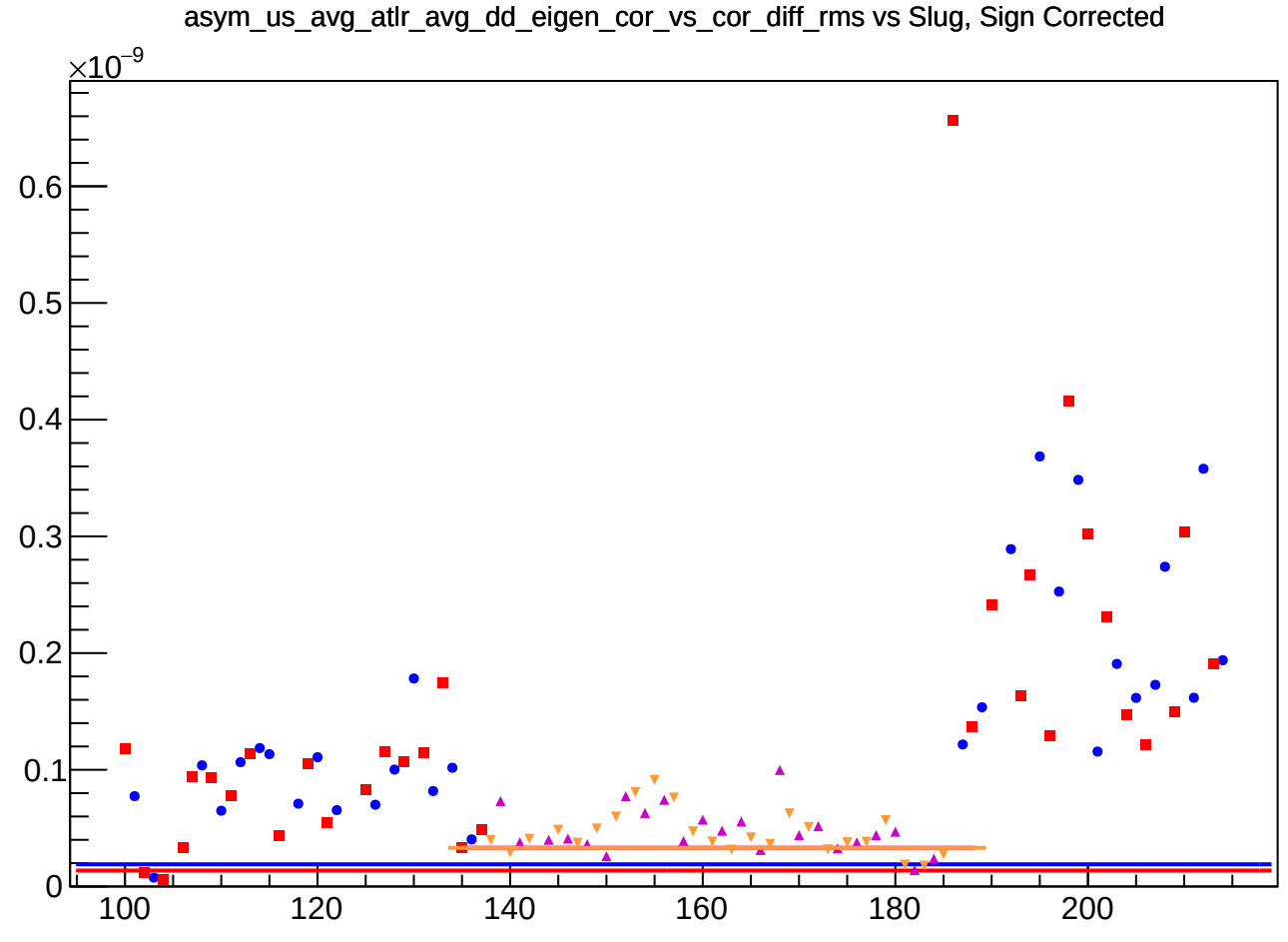
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

Right: 0.000+/-0.000 χ^2/NDF: 67.3/61

In: 0.000+/-0.000 χ^2/NDF:62.0/52

Out: 0.000+/-0.000 χ^2/NDF:46.7/55

All: 0.000+/-0.000 χ^2/NDF: 109.2/108



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

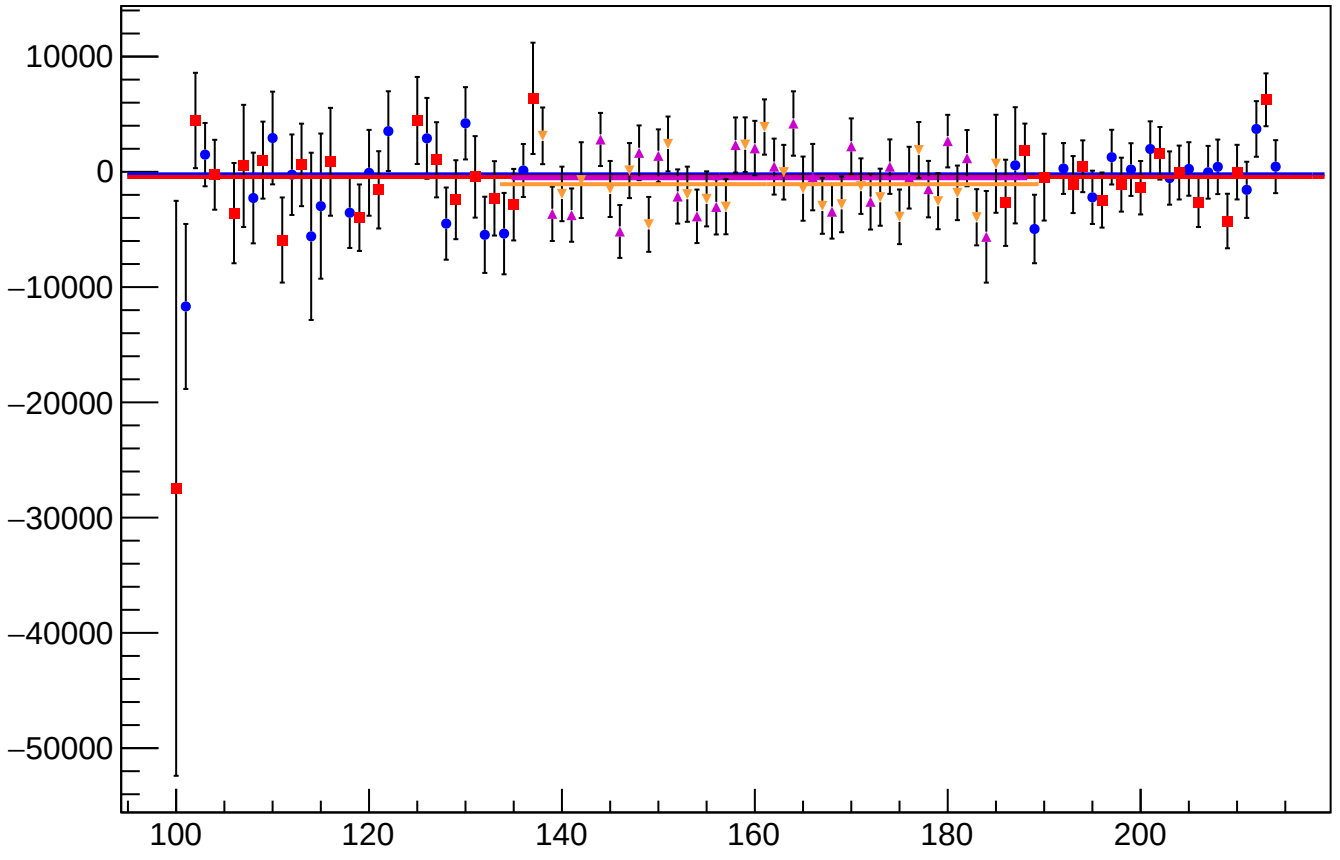
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 32800581.6/61

In: 0.000+/-0.000 χ^2/NDF:23174300.7/52

Out: 0.000+/-0.000 χ^2/NDF:23668156.5/55

All: 0.000+/-0.000 χ^2/NDF: 47194135.4/108



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

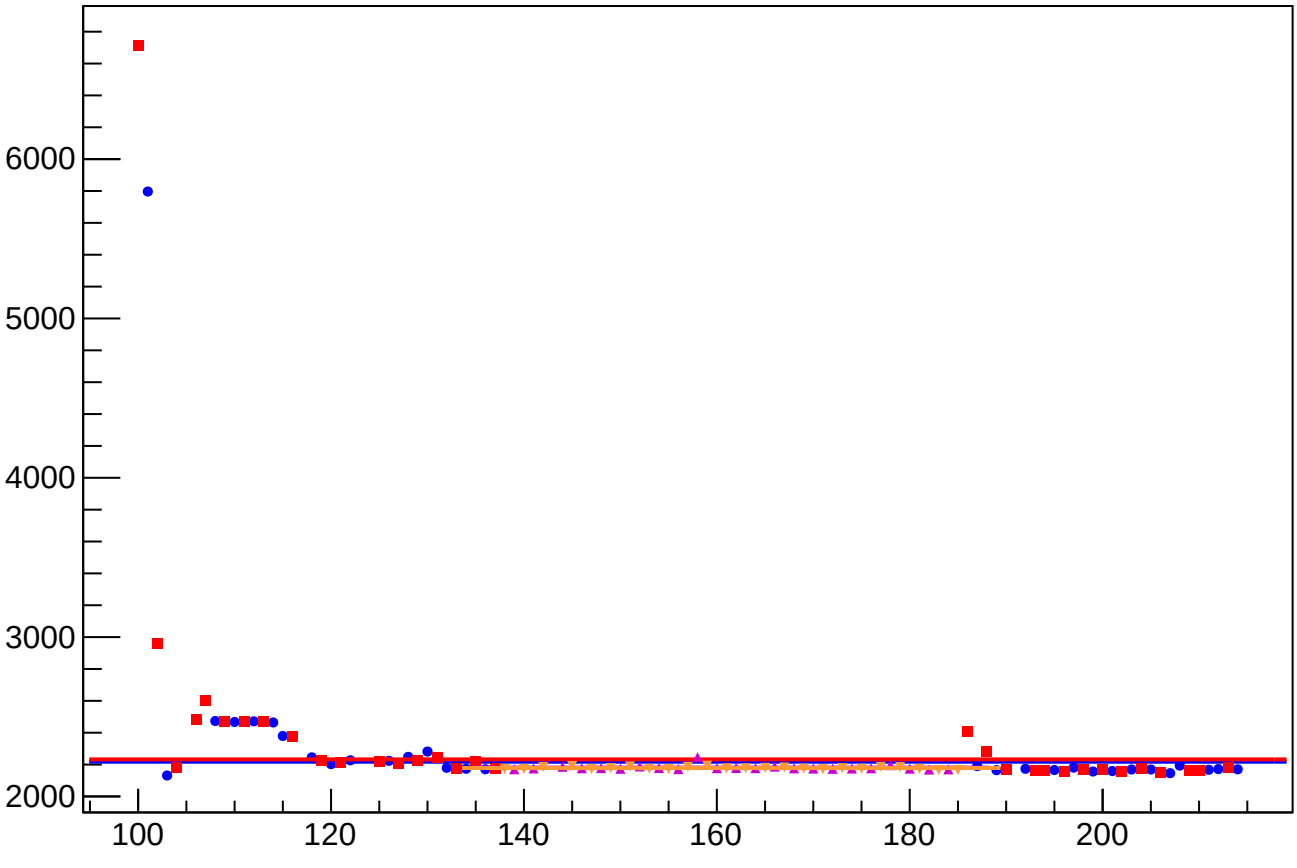
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -332.164+/-368.357 χ^2/NDF: 52.2/61

In: -391.481+/-364.428 χ^2/NDF:53.0/52

Out: -768.308+/-362.505 χ^2/NDF:50.3/55

All: -580.891+/-257.007 χ^2/NDF: 103.9/108



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

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

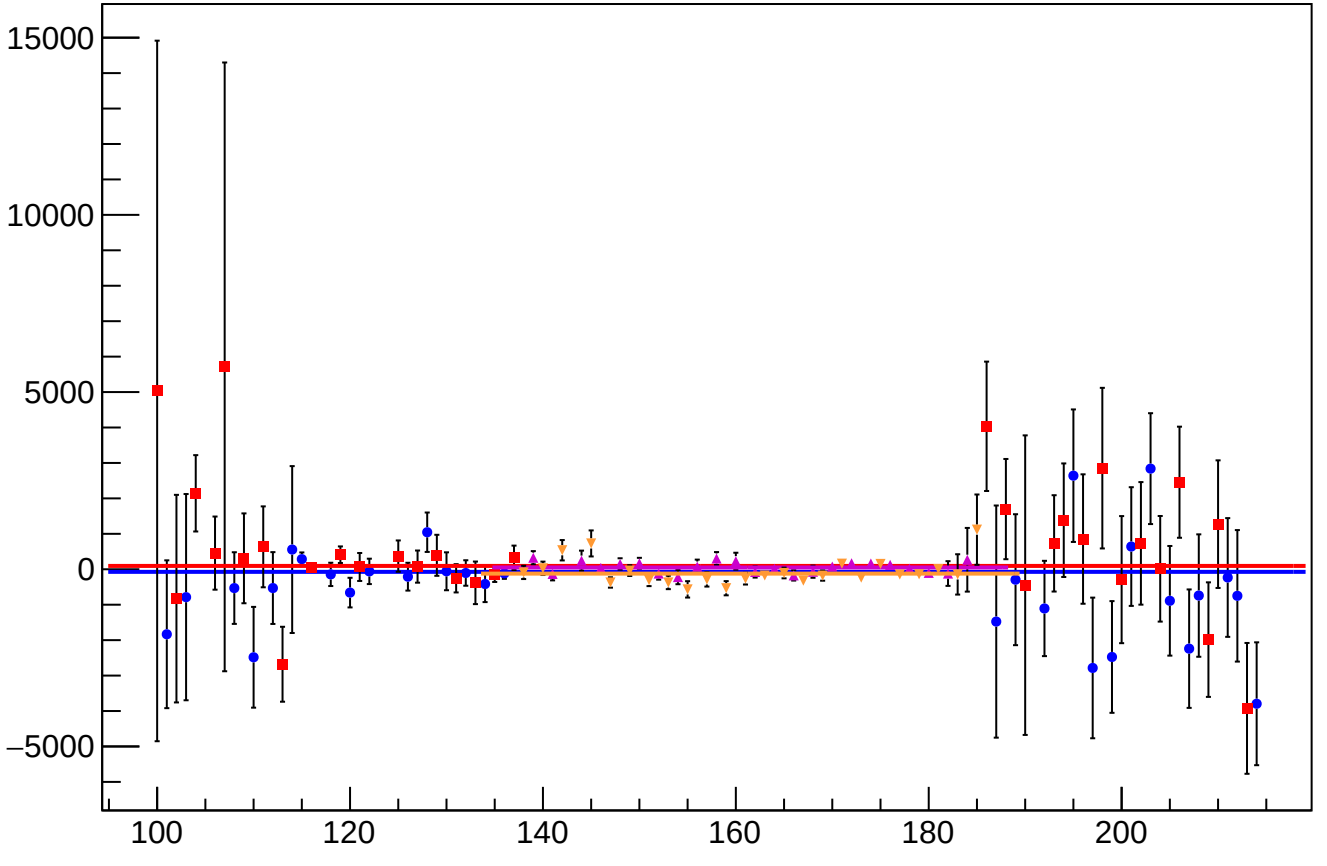
Right: 2225.257+/-0.260 χ^2/NDF: 745687.0/61

In: 2198.997+/-0.258 χ^2/NDF:553922.8/52

Out: 2204.596+/-0.256 χ^2/NDF:209597.9/55

All: 2201.811+/-0.182 χ^2/NDF: 763758.0/108

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



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

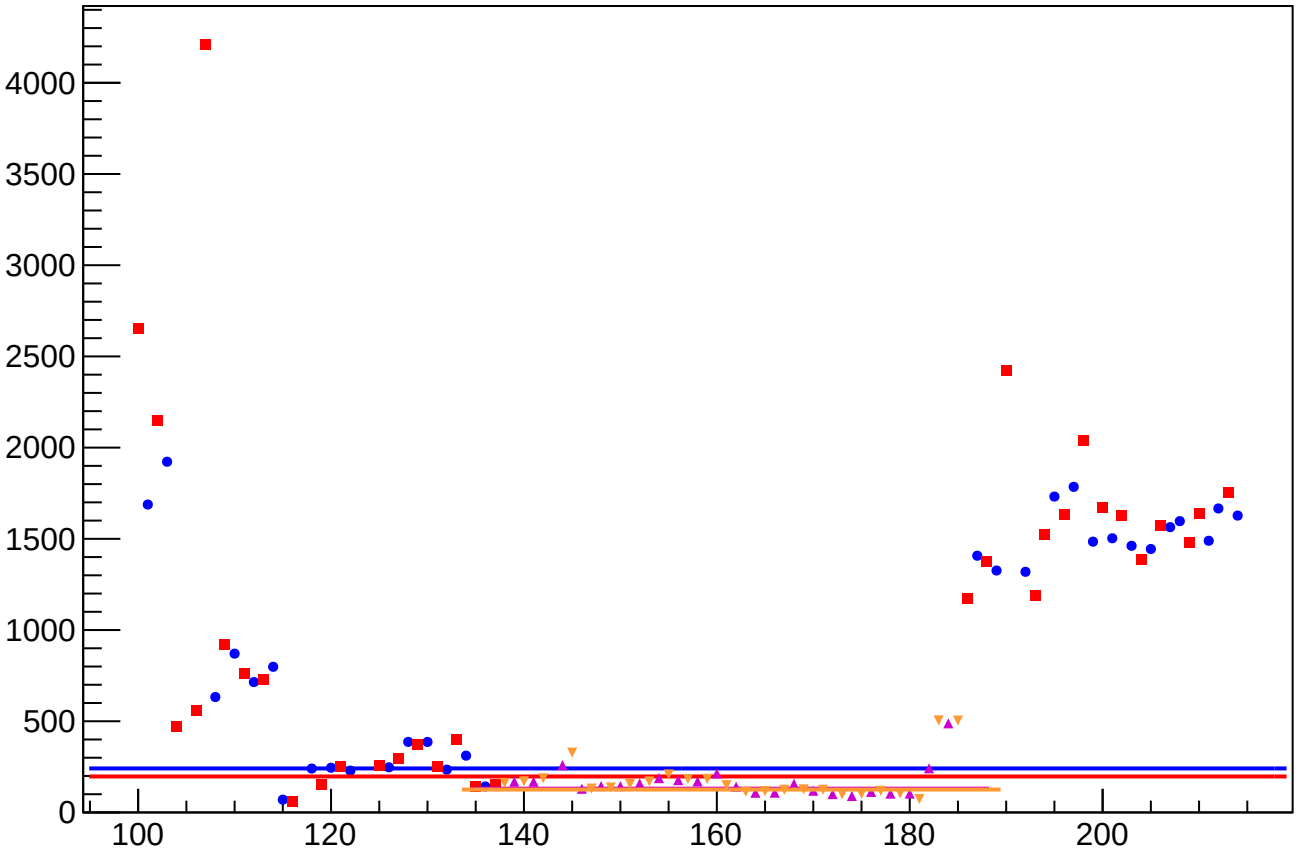
Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

Right: 18.621+/-59.994 χ^2/NDF: 69.4/61

In: 35.823+/-30.573 χ^2/NDF:52.0/52

Out: -94.647+/-29.288 χ^2/NDF:85.5/55

All: -32.212+/-21.149 χ^2/NDF: 147.0/108



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

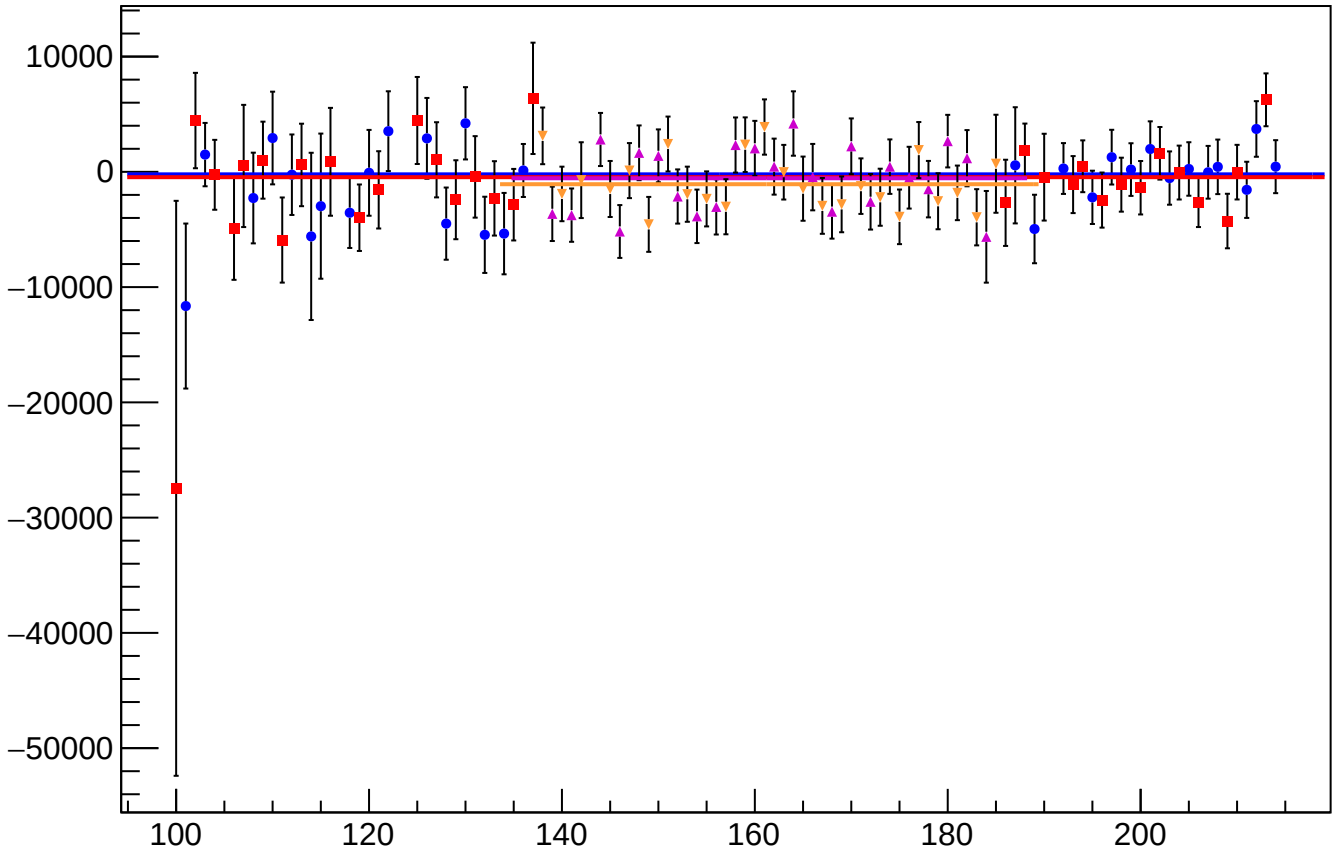
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 217.195+/-0.042 χ^2/NDF: 45201716.7/61

In: 143.466+/-0.022 χ^2/NDF:26647545.5/52

Out: 134.868+/-0.021 χ^2/NDF:28999387.8/55

All: 138.983+/-0.015 χ^2/NDF: 55729422.7/10



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

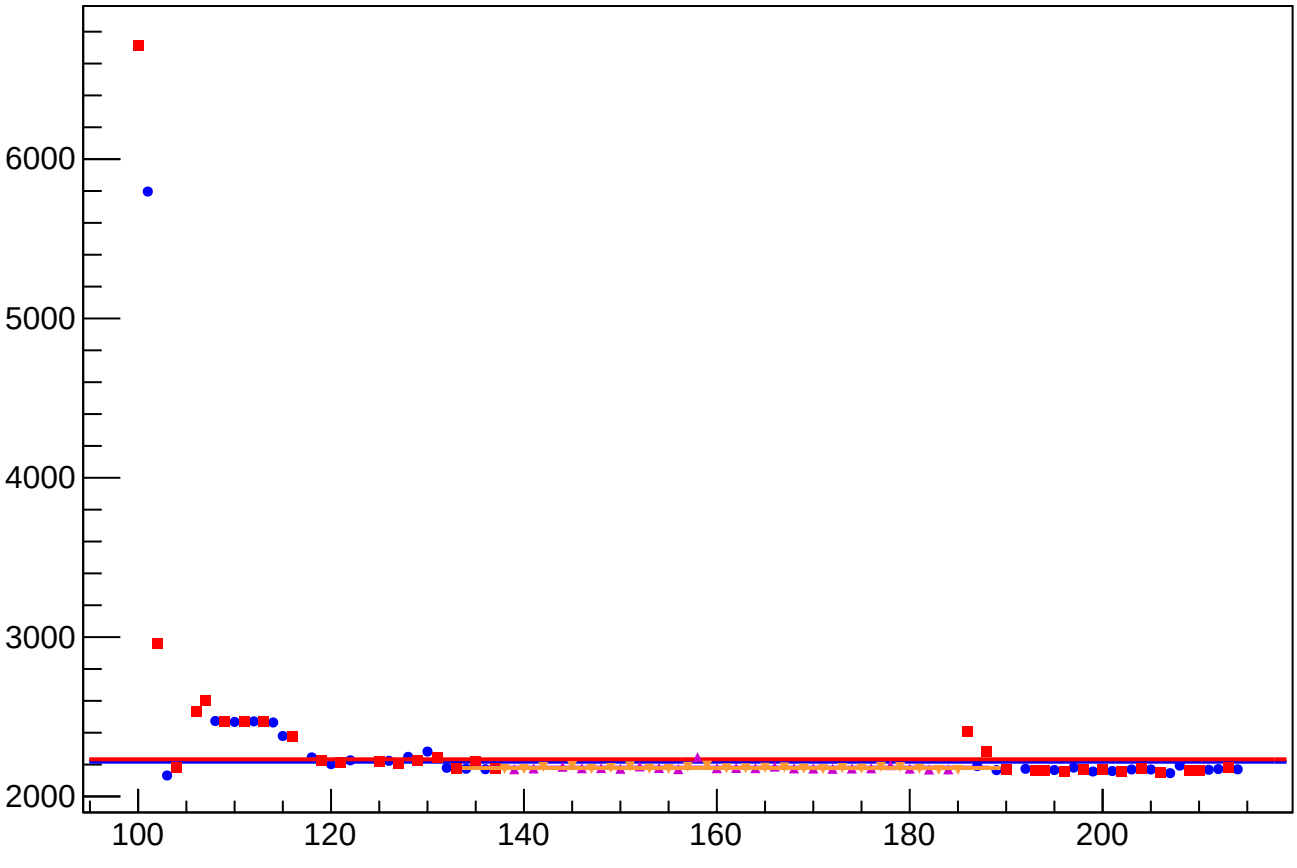
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -340.283+/-368.412 χ^2/NDF: 52.7/61

In: -391.291+/-364.428 χ^2/NDF:53.0/52

Out: -776.464+/-362.557 χ^2/NDF:50.8/55

All: -584.869+/-257.026 χ^2/NDF: 104.3/108



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

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

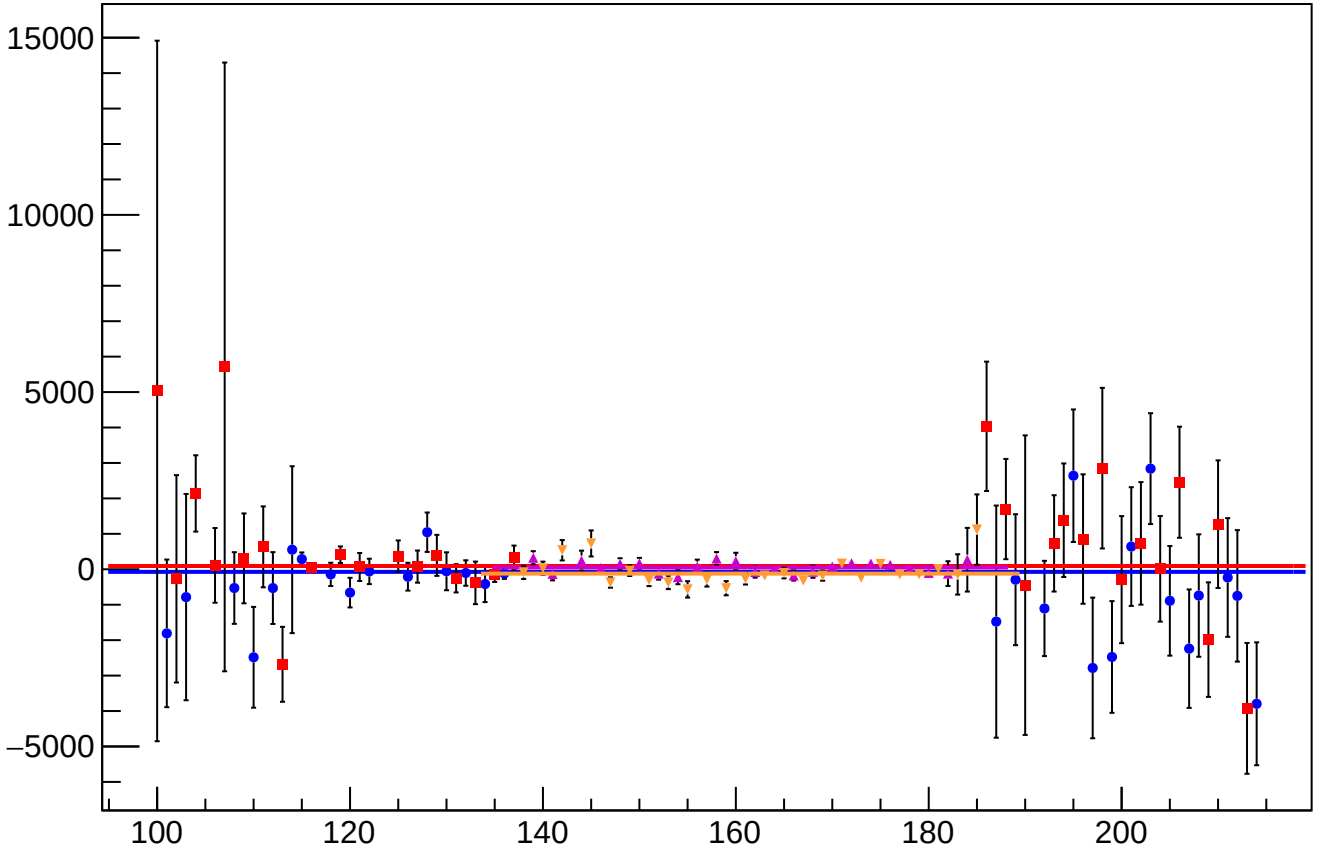
Right: 2225.528+/-0.261 χ^2/NDF: 748309.4/61

In: 2198.997+/-0.258 χ^2/NDF:553923.2/52

Out: 2204.853+/-0.256 χ^2/NDF:212383.6/55

All: 2201.940+/-0.182 χ^2/NDF: 766566.2/108

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



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

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

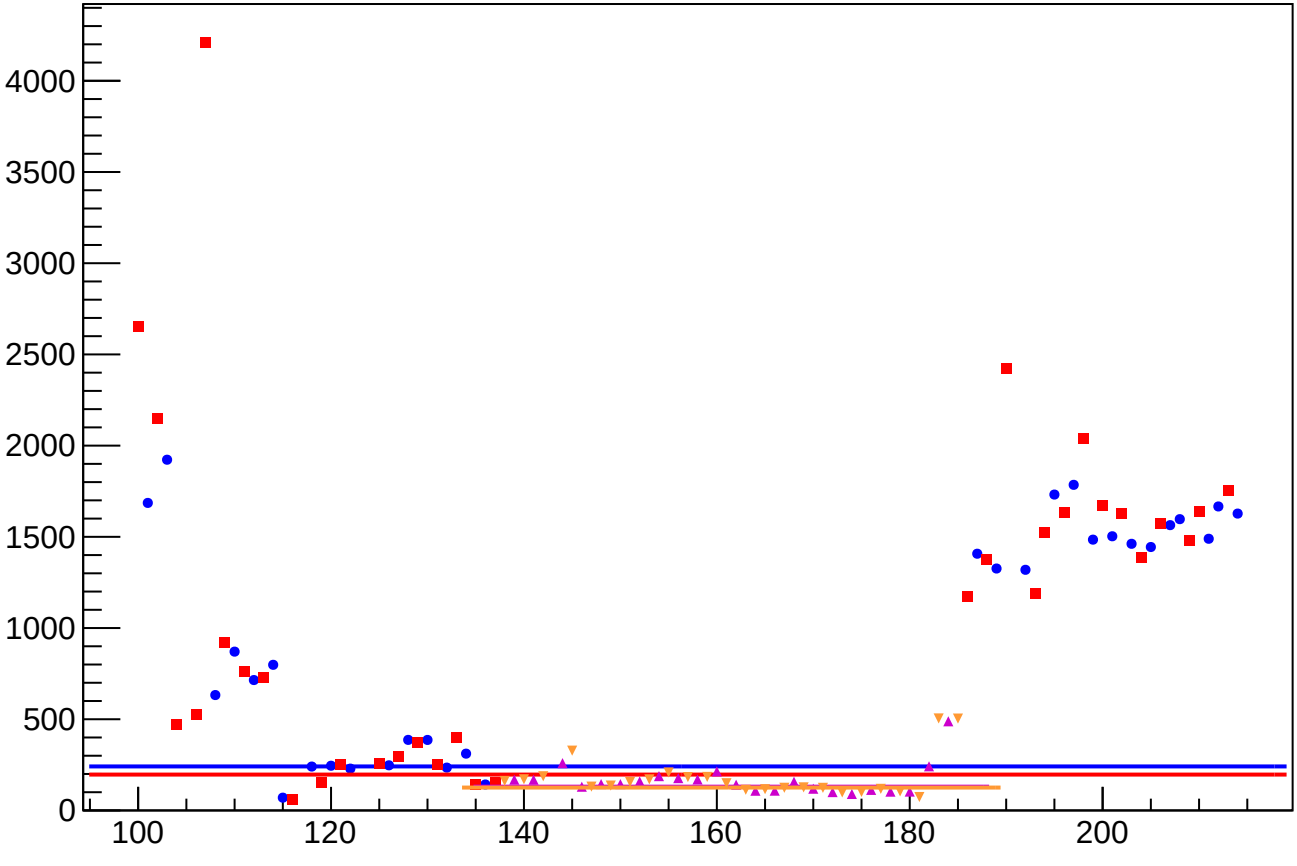
Right: 17.593+/-59.972 χ^2/NDF: 69.2/61

In: 35.724+/-30.576 χ^2/NDF:52.0/52

Out: -94.799+/-29.285 χ^2/NDF:85.2/55

All: -32.351+/-21.149 χ^2/NDF: 146.7/108

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



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

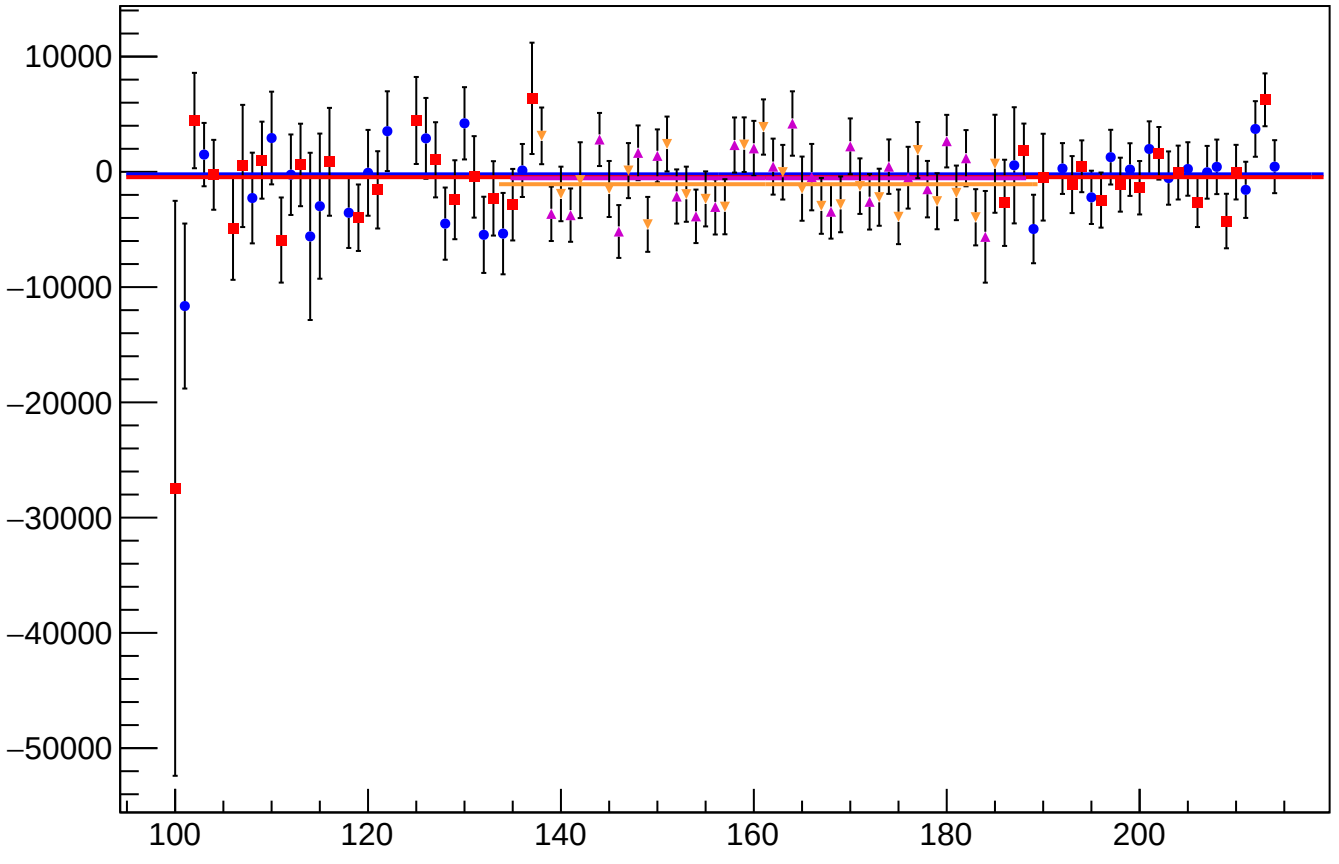
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 216.863+/-0.042 χ^2/NDF: 45176884.1/61

In: 143.483+/-0.022 χ^2/NDF:26645823.7/52

Out: 134.798+/-0.021 χ^2/NDF:28948453.8/55

All: 138.954+/-0.015 χ^2/NDF: 55678446.8/10



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

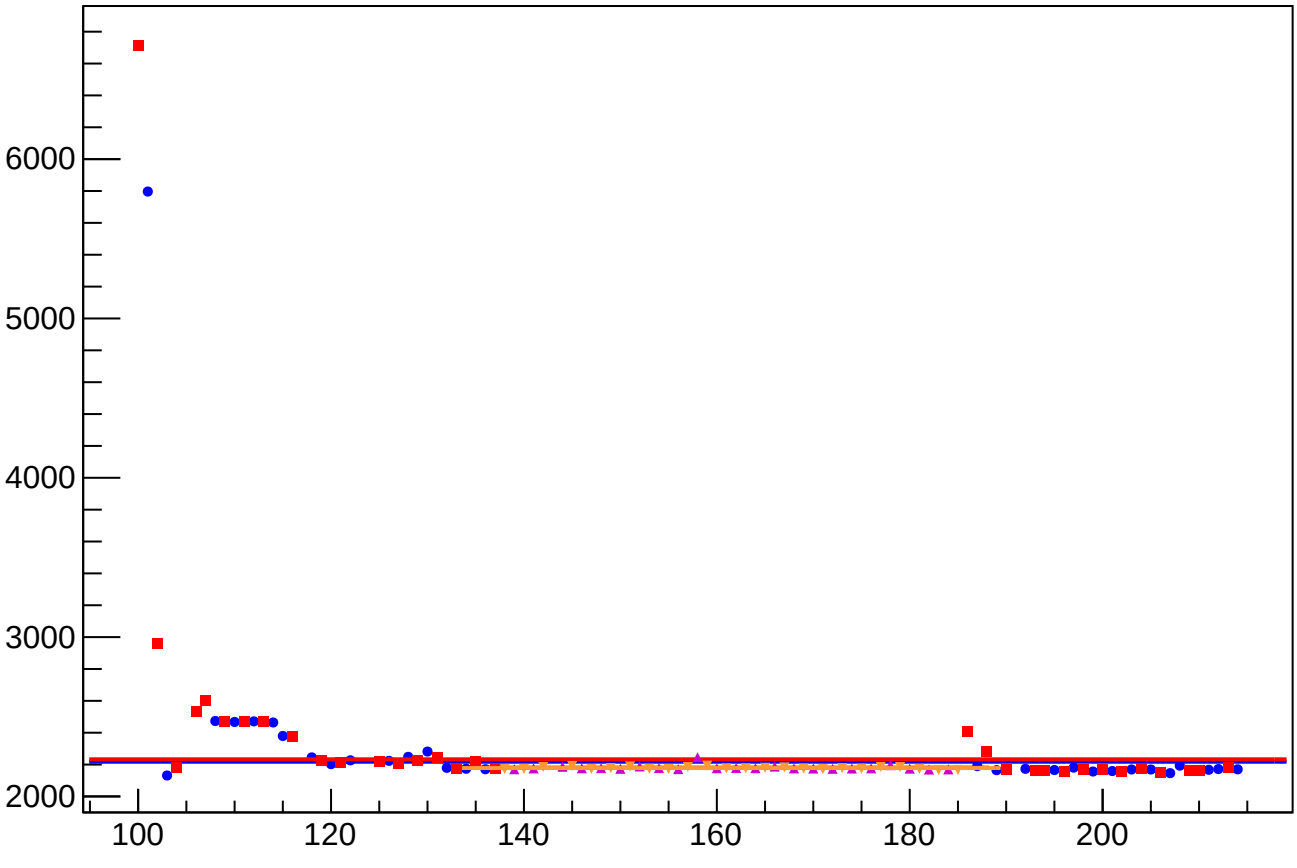
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -340.283+/-368.412 χ^2/NDF: 52.7/61

In: -391.291+/-364.428 χ^2/NDF:53.0/52

Out: -776.464+/-362.557 χ^2/NDF:50.8/55

All: -584.869+/-257.026 χ^2/NDF: 104.3/108



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

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

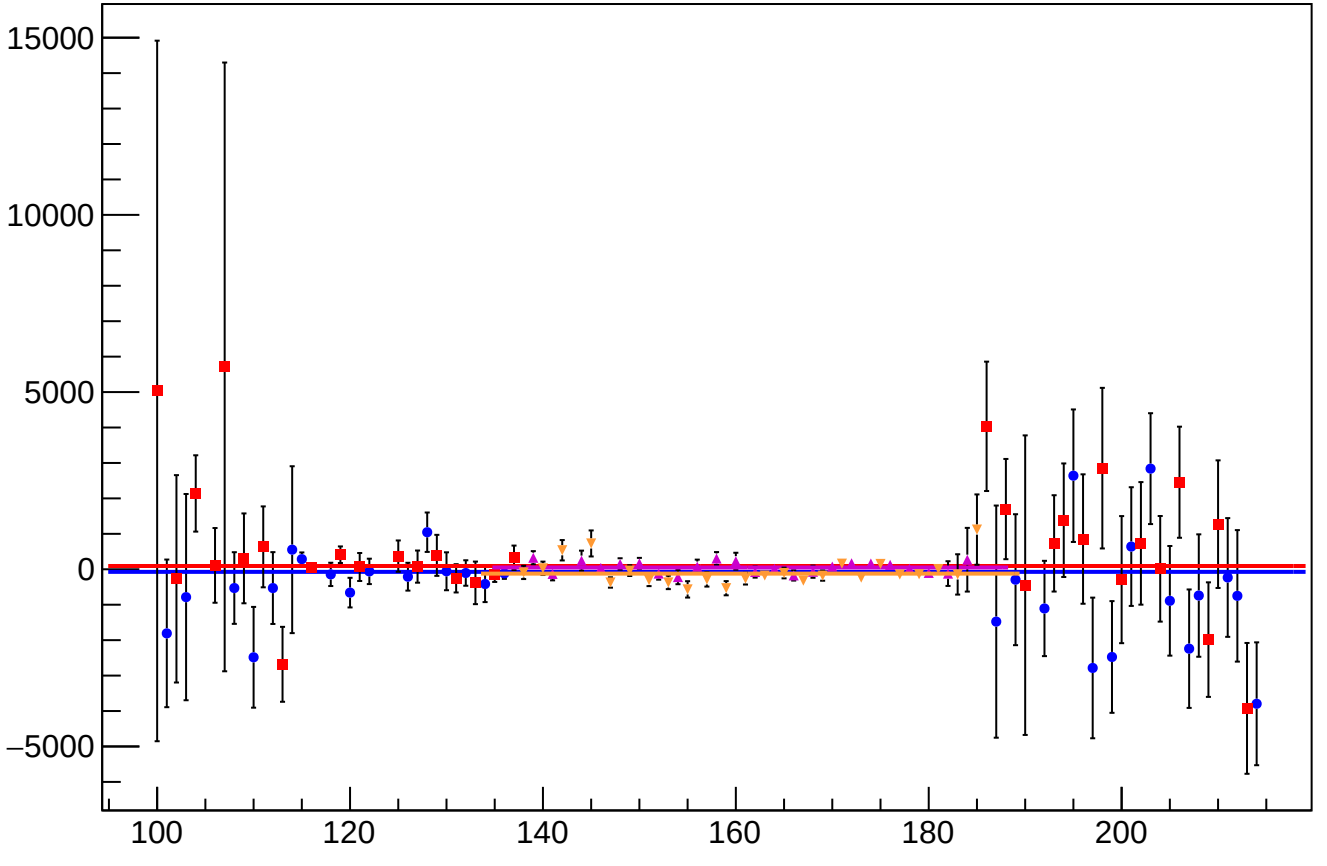
Right: 2225.528+/-0.261 χ^2/NDF: 748309.4/61

In: 2198.997+/-0.258 χ^2/NDF:553923.2/52

Out: 2204.853+/-0.256 χ^2/NDF:212383.6/55

All: 2201.940+/-0.182 χ^2/NDF: 766566.2/108

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

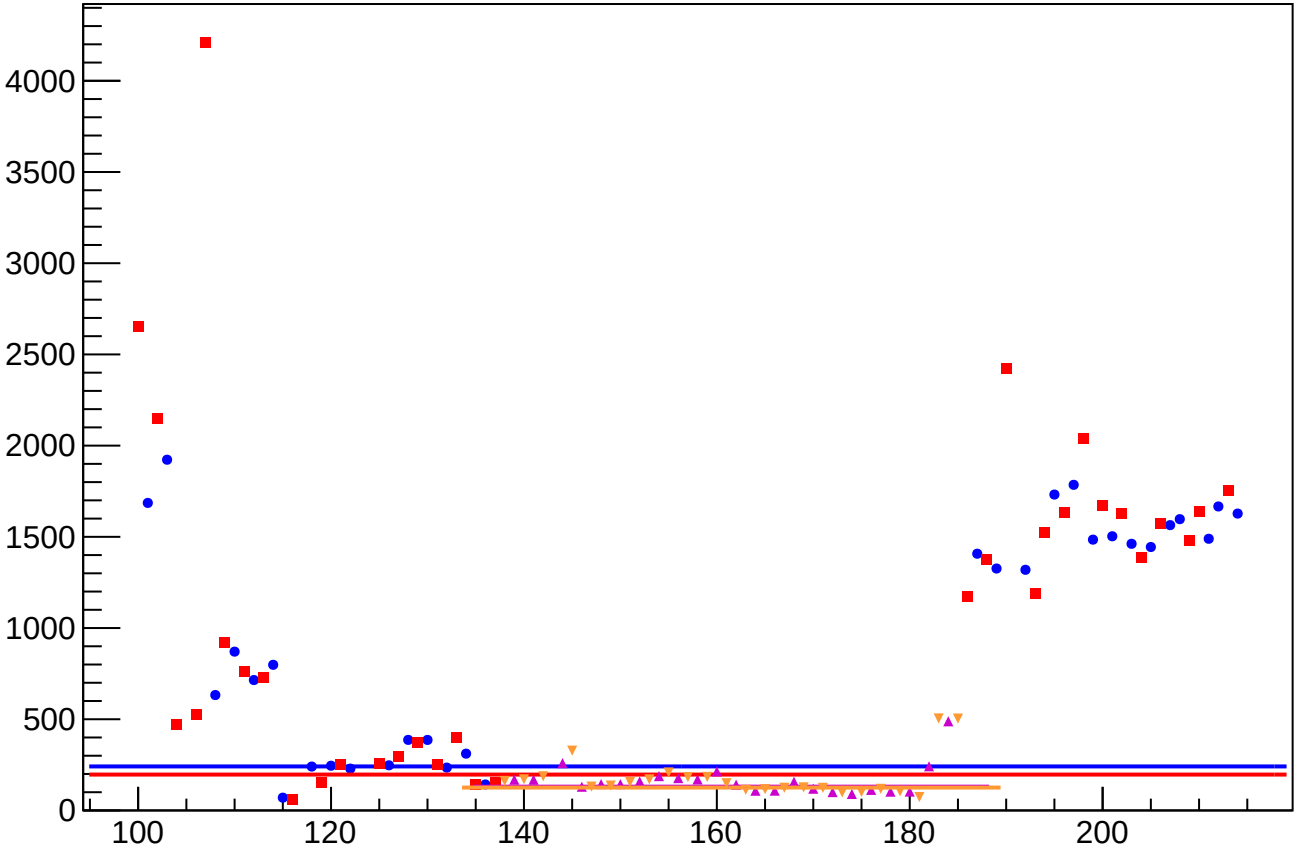
Right: 17.593+/-59.972 χ^2/NDF: 69.2/61

In: 35.724+/-30.576 χ^2/NDF:52.0/52

Out: -94.799+/-29.285 χ^2/NDF:85.2/55

All: -32.351+/-21.149 χ^2/NDF: 146.7/108

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

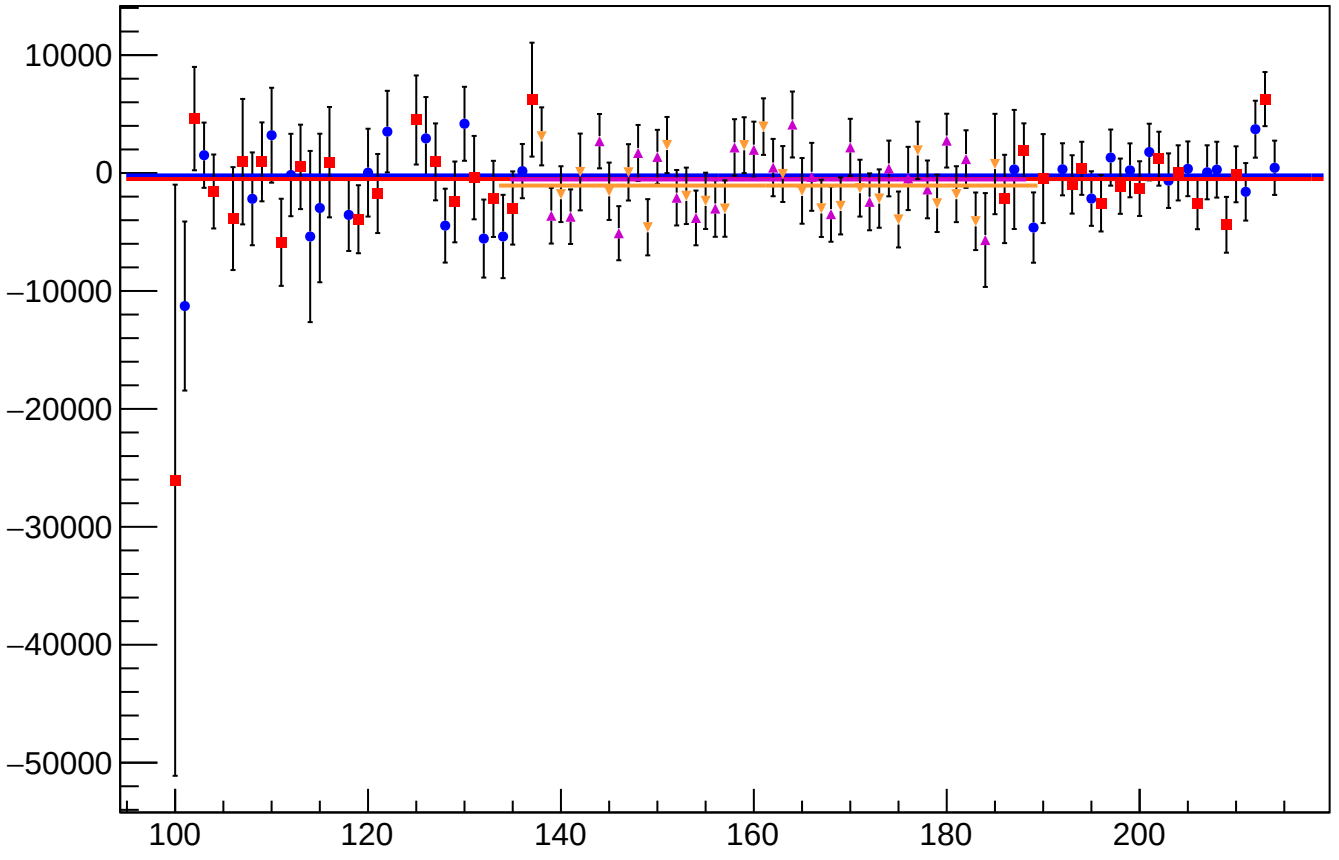
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 216.863+/-0.042 χ^2/NDF: 45176884.1/61

In: 143.483+/-0.022 χ^2/NDF:26645823.7/52

Out: 134.798+/-0.021 χ^2/NDF:28948453.8/55

All: 138.954+/-0.015 χ^2/NDF: 55678446.8/10



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

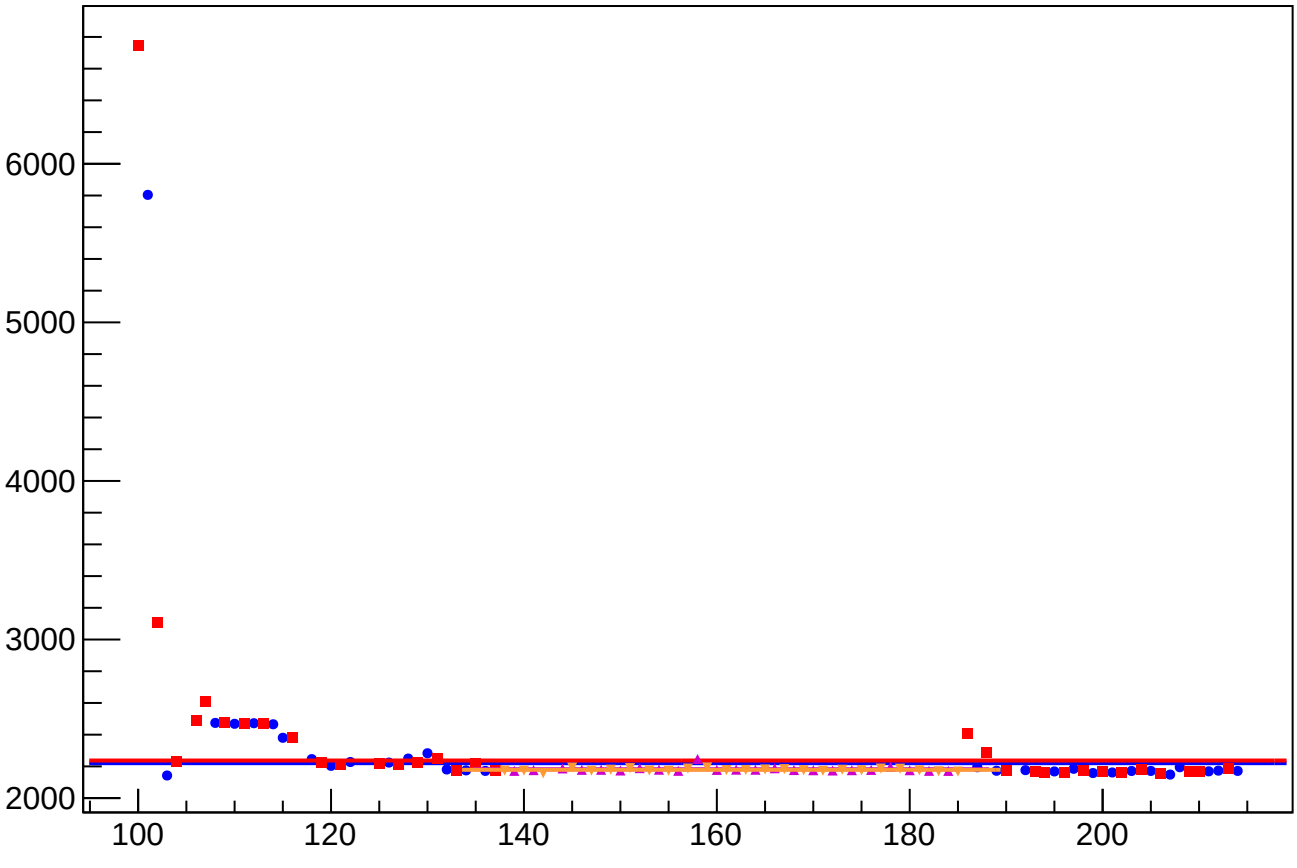
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -354.738+/-369.094 χ^2/NDF: 51.4/61

In: -377.265+/-364.702 χ^2/NDF:51.6/52

Out: -793.495+/-363.052 χ^2/NDF:50.2/55

All: -586.324+/-257.298 χ^2/NDF: 102.4/108



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

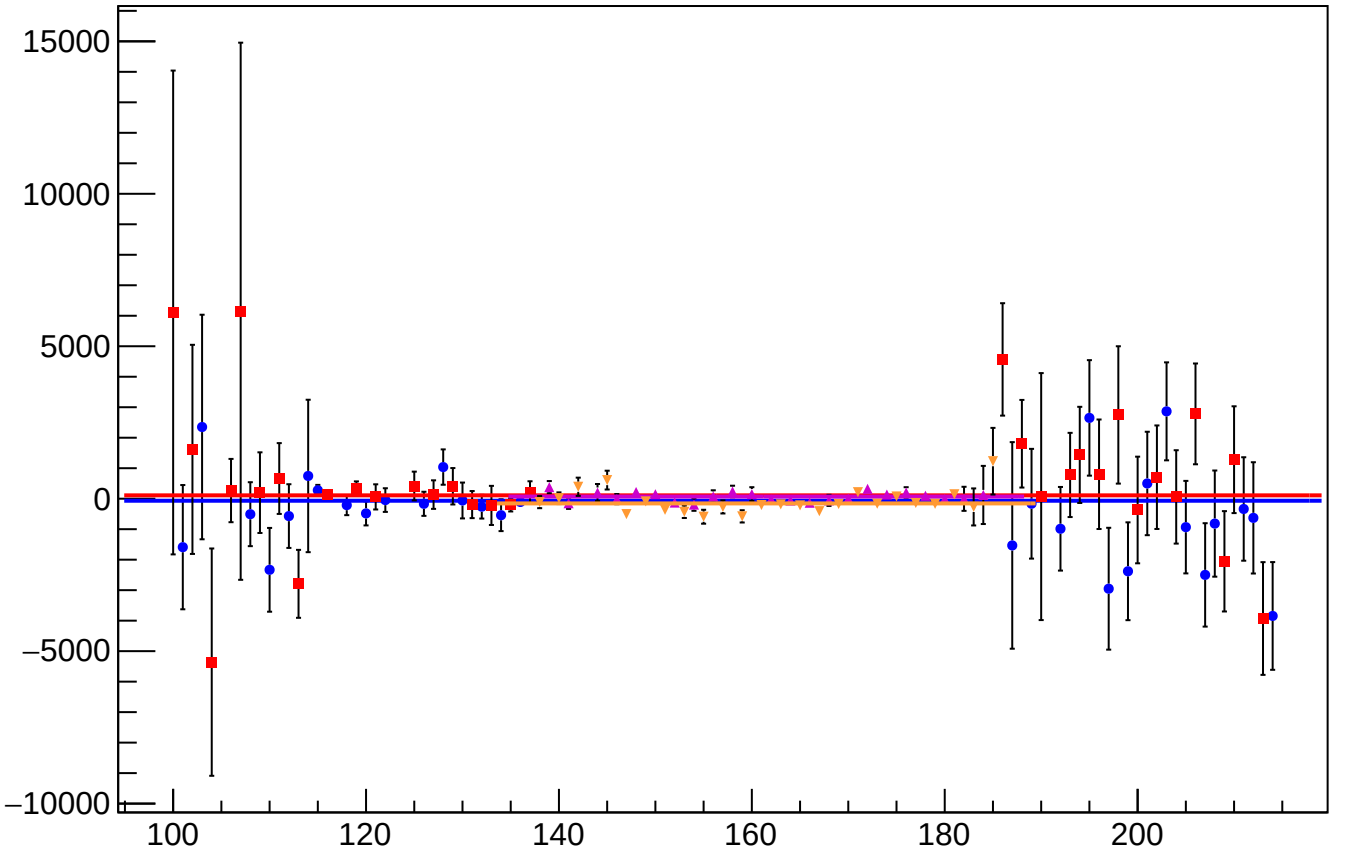
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2228.662+/-0.261 χ^2/NDF: 763640.5/61

In: 2200.602+/-0.258 χ^2/NDF:553664.5/52

Out: 2206.851+/-0.257 χ^2/NDF:229758.3/55

All: 2203.740+/-0.182 χ^2/NDF: 783717.6/108



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

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

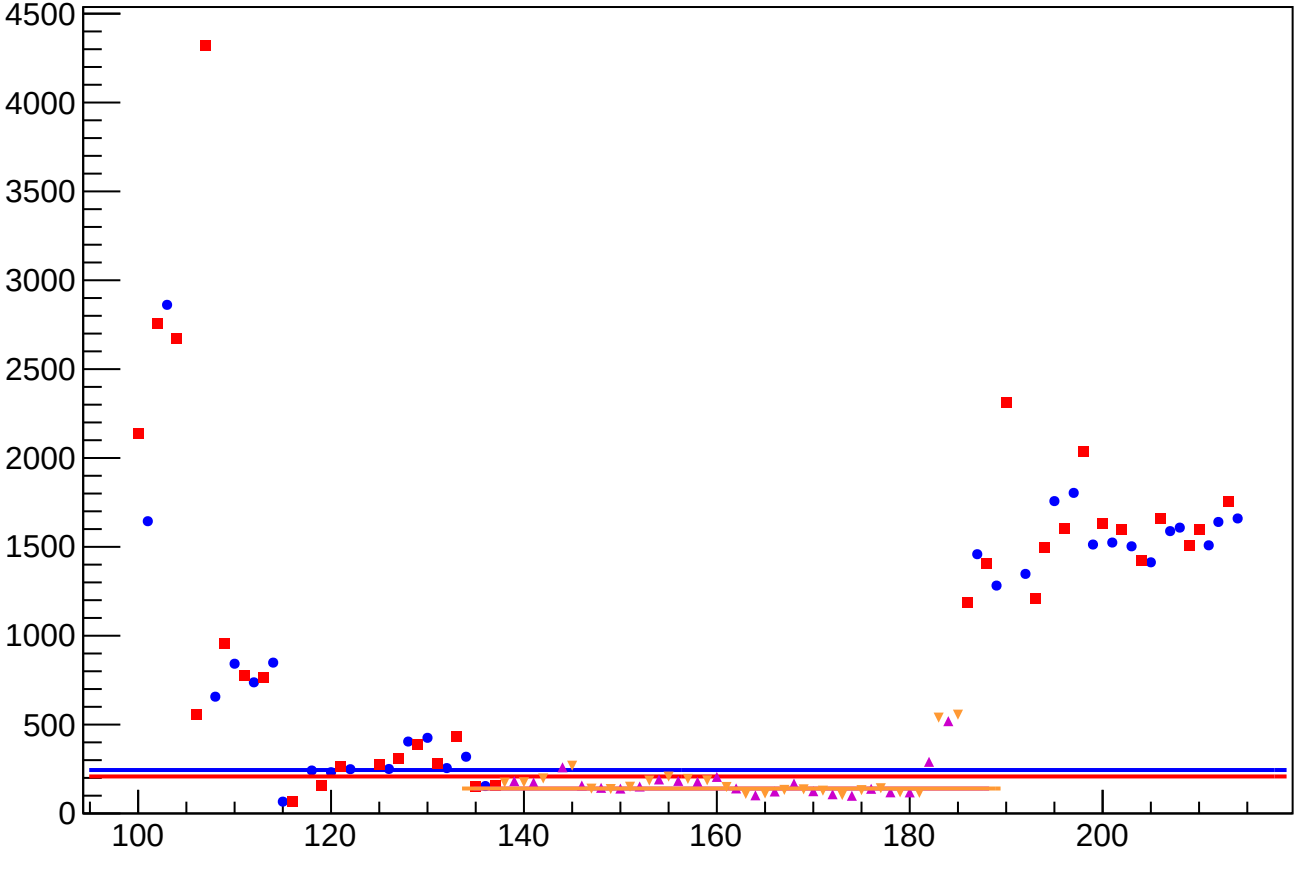
Right: 27.529+/-61.848 χ^2/NDF: 68.2/61

In: 53.069+/-32.001 χ^2/NDF:52.6/52

Out: -117.848+/-31.597 χ^2/NDF:90.2/55

All: -33.475+/-22.484 χ^2/NDF: 157.3/108

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 244.387+/-0.064 χ^2/NDF: 21793707.2/29

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 208.169+/-0.060 χ^2/NDF: 24417564.0/31

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

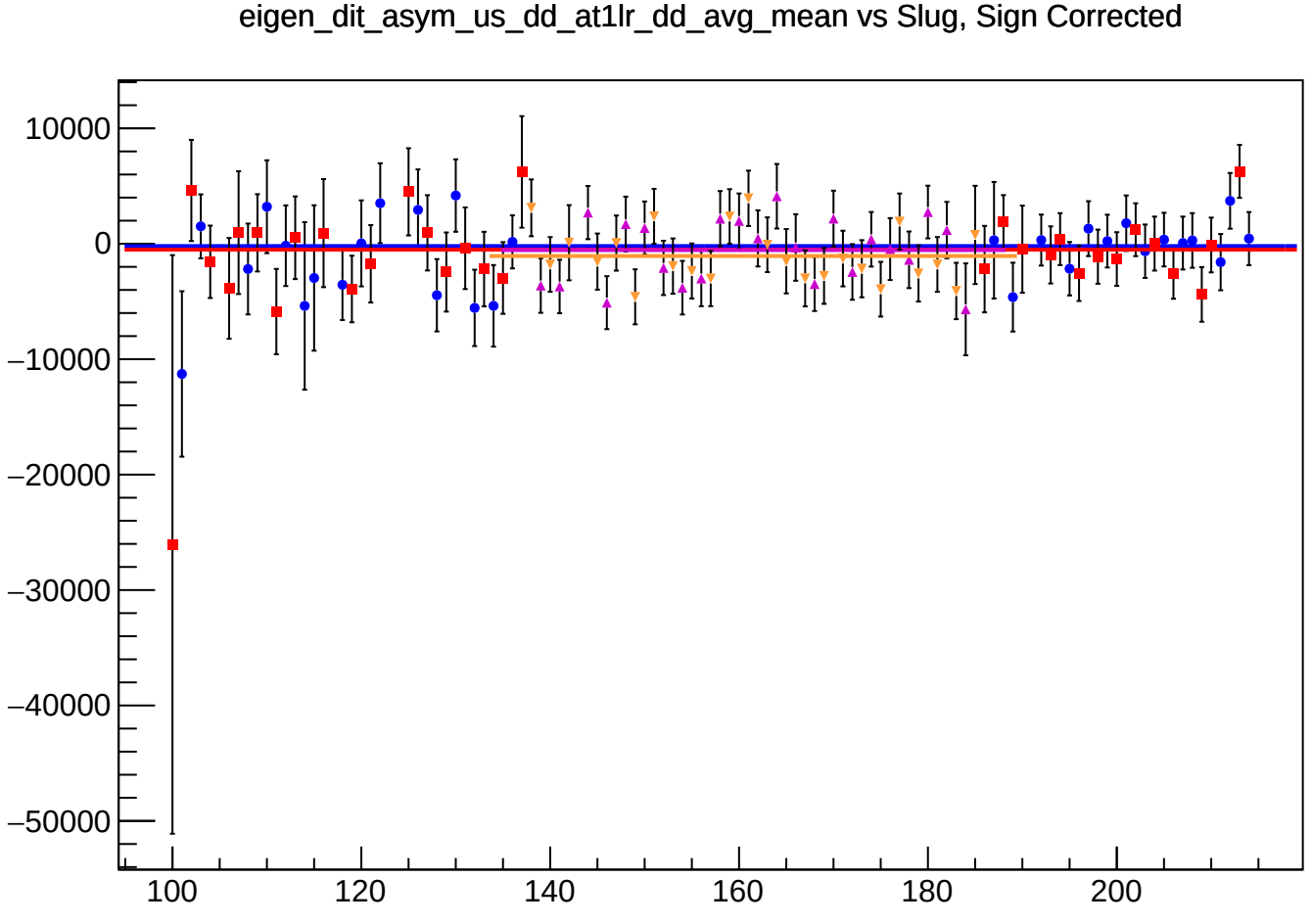
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 225.039+/-0.044 χ^2/NDF: 46381922.8/61

In: 152.998+/-0.023 χ^2/NDF:26529867.5/52

Out: 149.779+/-0.022 χ^2/NDF:28284467.8/55

All: 151.368+/-0.016 χ^2/NDF: 54824578.2/10



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

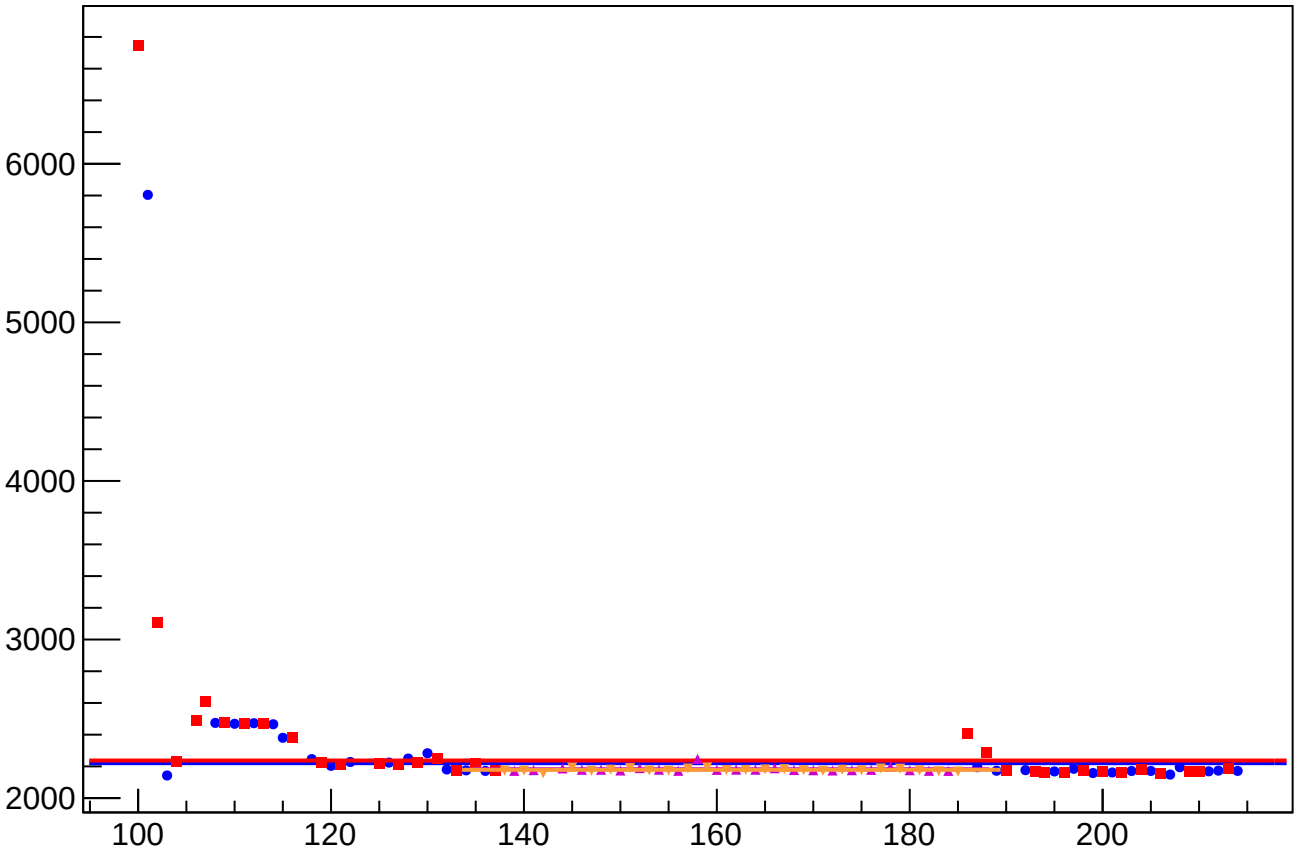
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -354.739+/-369.094 χ^2/NDF: 51.4/61

In: -377.266+/-364.702 χ^2/NDF:51.6/52

Out: -793.495+/-363.052 χ^2/NDF:50.2/55

All: -586.325+/-257.298 χ^2/NDF: 102.4/108



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

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

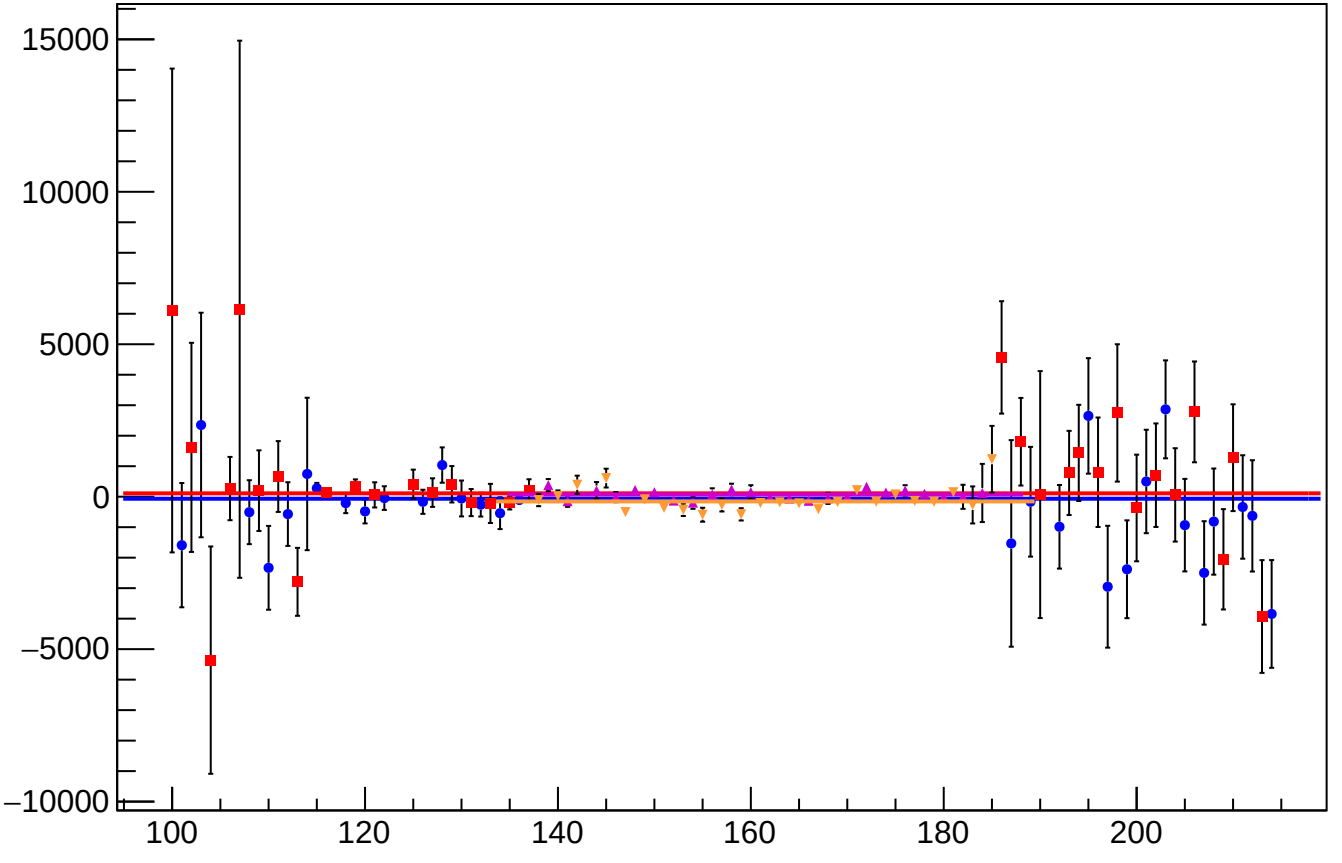
Right: 2228.662+/-0.261 χ^2/NDF: 763640.4/61

In: 2200.602+/-0.258 χ^2/NDF:553664.5/52

Out: 2206.851+/-0.257 χ^2/NDF:229758.1/55

All: 2203.740+/-0.182 χ^2/NDF: 783717.5/108

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

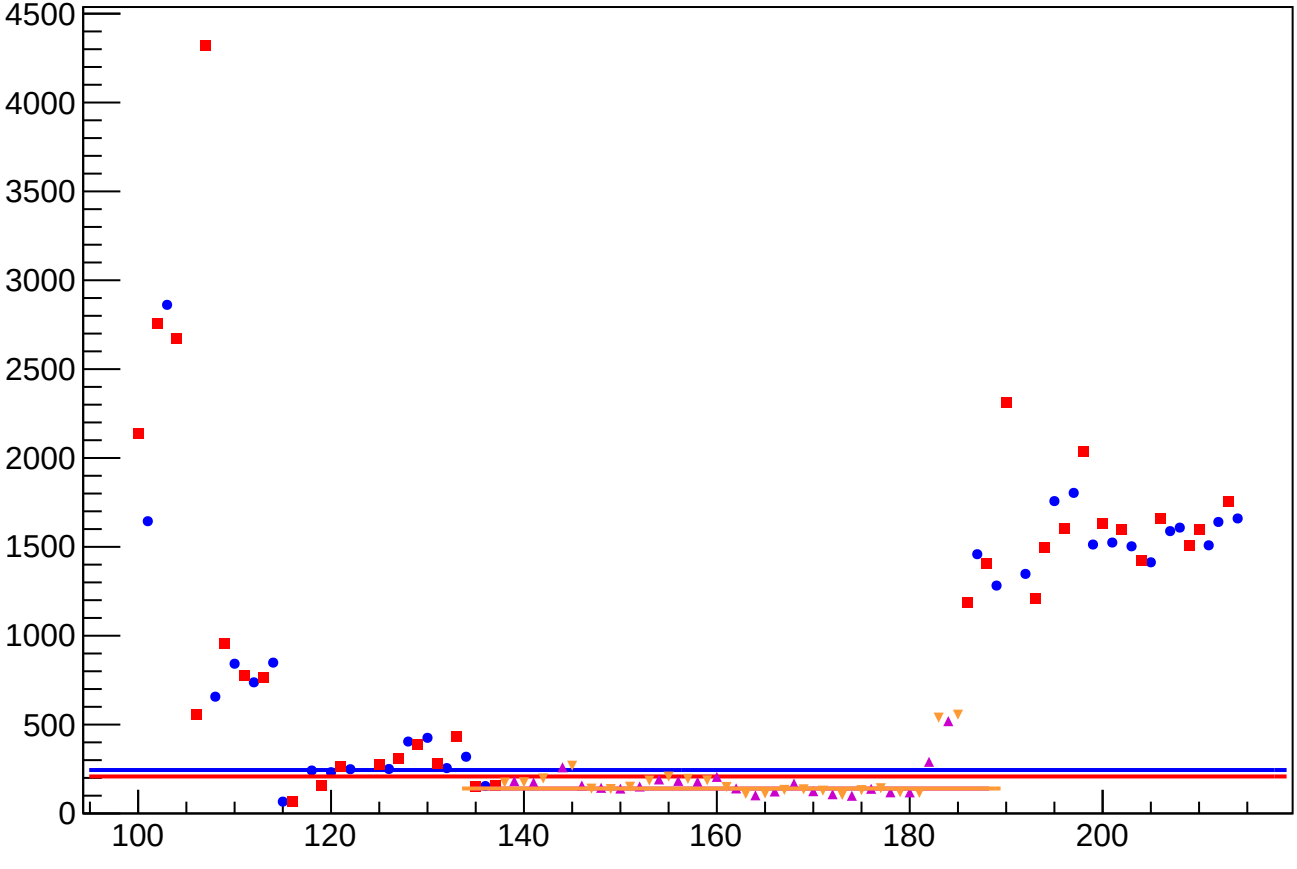
Right: 27.531+/-61.848 χ^2/NDF: 68.2/61

In: 53.068+/-32.001 χ^2/NDF:52.6/52

Out: -117.849+/-31.597 χ^2/NDF:90.2/55

All: -33.476+/-22.484 χ^2/NDF: 157.3/108

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

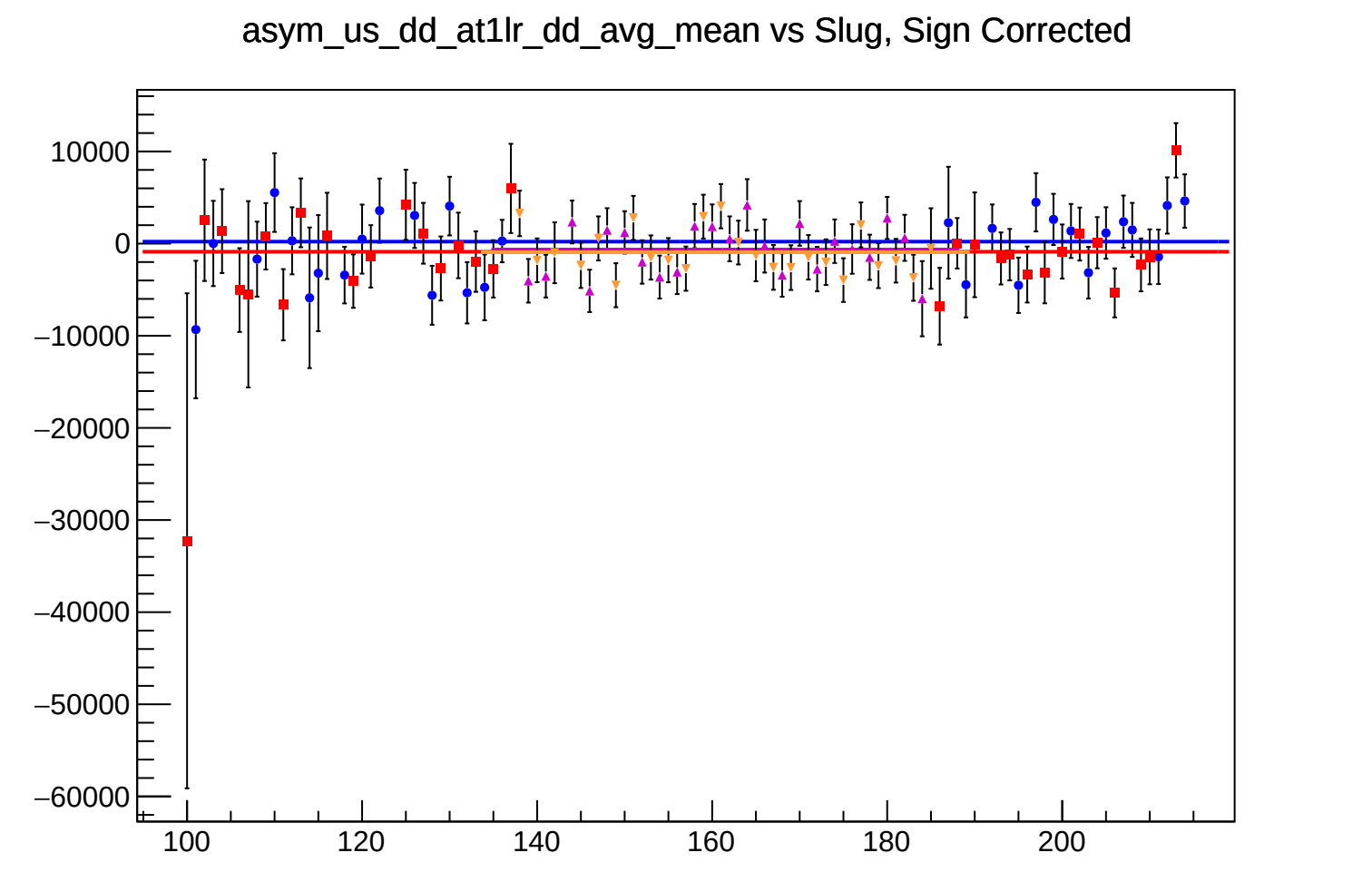
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 225.035+/-0.044 χ^2/NDF: 46382172.5/61

In: 152.998+/-0.023 χ^2/NDF:26529921.1/52

Out: 149.779+/-0.022 χ^2/NDF:28284500.6/55

All: 151.368+/-0.016 χ^2/NDF: 54824664.1/10



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

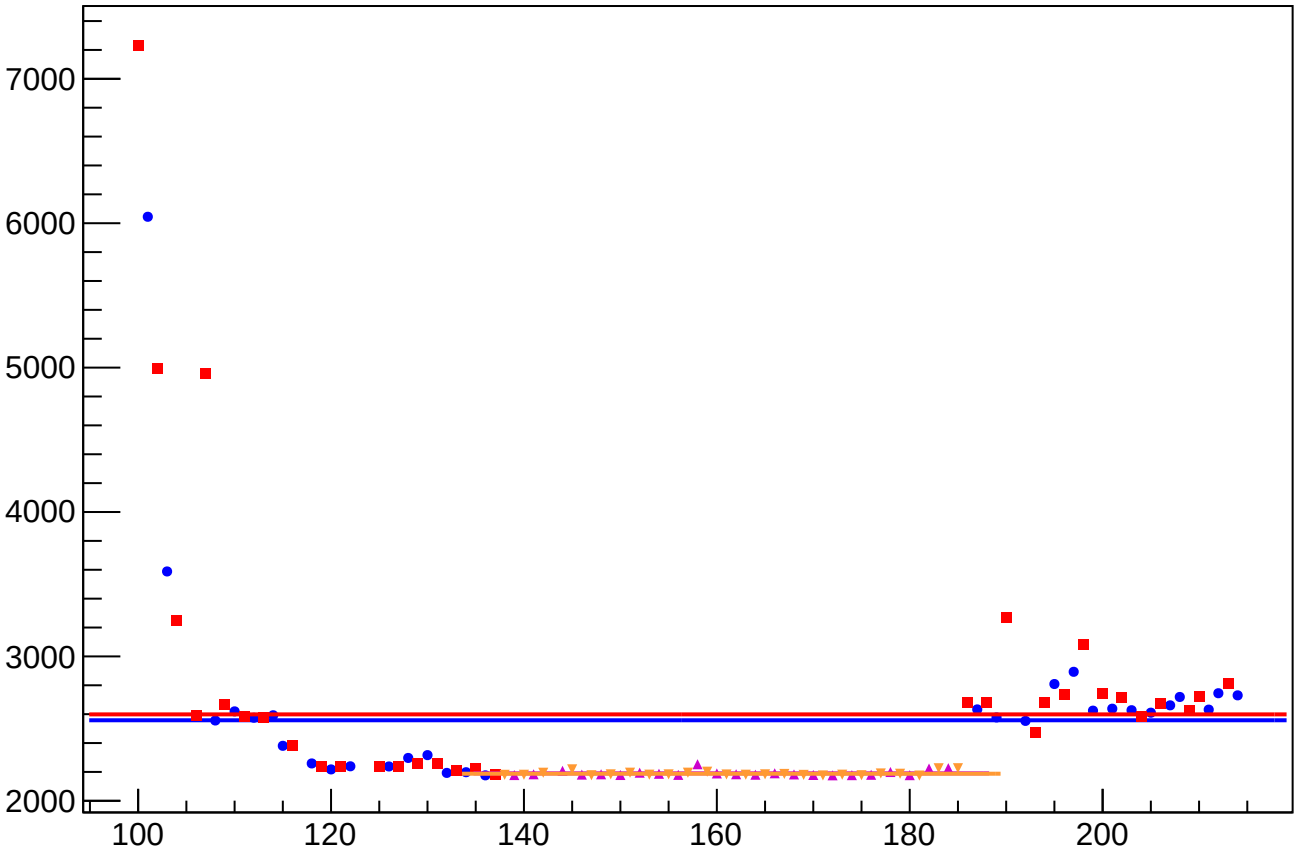
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -327.396+/-429.156 χ^2/NDF: 66.3/61

In: -284.404+/-390.318 χ^2/NDF:59.0/52

Out: -910.991+/-390.164 χ^2/NDF:56.2/55

All: -597.821+/-275.942 χ^2/NDF: 116.5/108



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

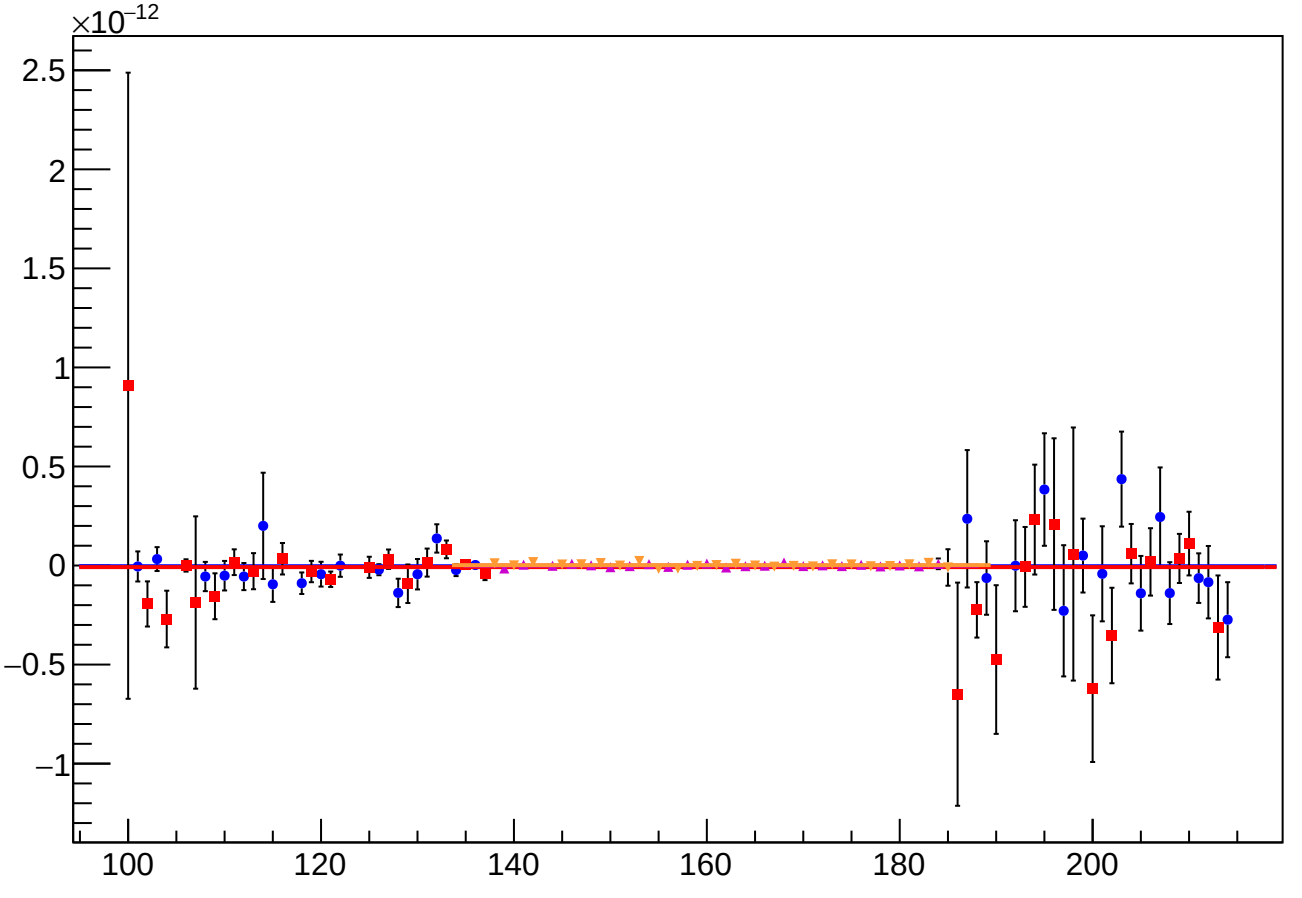
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2577.943+/-0.303 χ^2/NDF: 1590730.1/61

In: 2343.594+/-0.276 χ^2/NDF:1230391.1/52

Out: 2355.866+/-0.276 χ^2/NDF:1327424.3/55

All: 2349.733+/-0.195 χ^2/NDF: 2558804.4/10



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

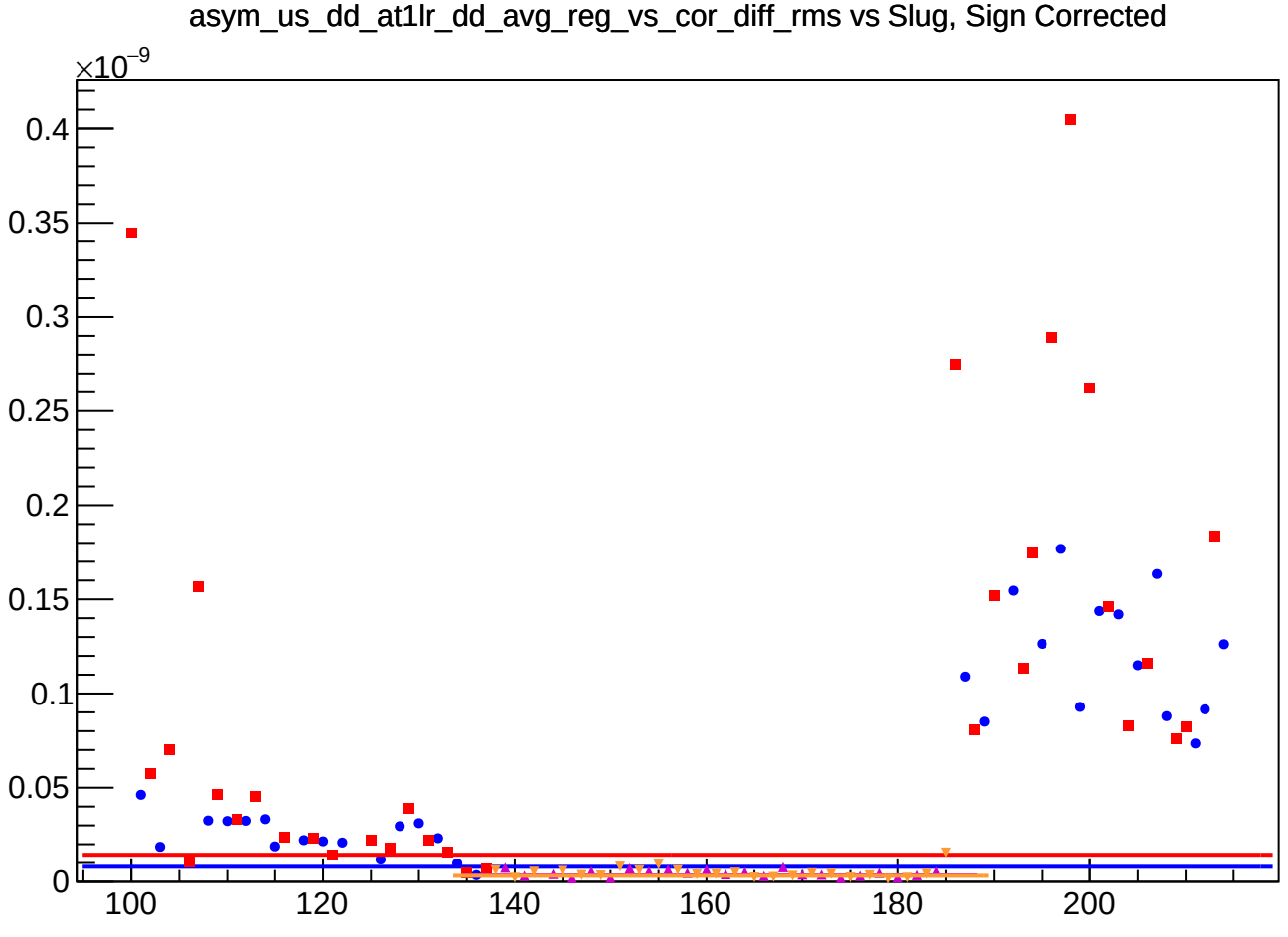
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 59.0/61

In: -0.000+/-0.000 χ^2/NDF:40.2/52

Out: 0.000+/-0.000 χ^2/NDF:52.6/55

All: 0.000+/-0.000 χ^2/NDF: 93.9/108



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

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

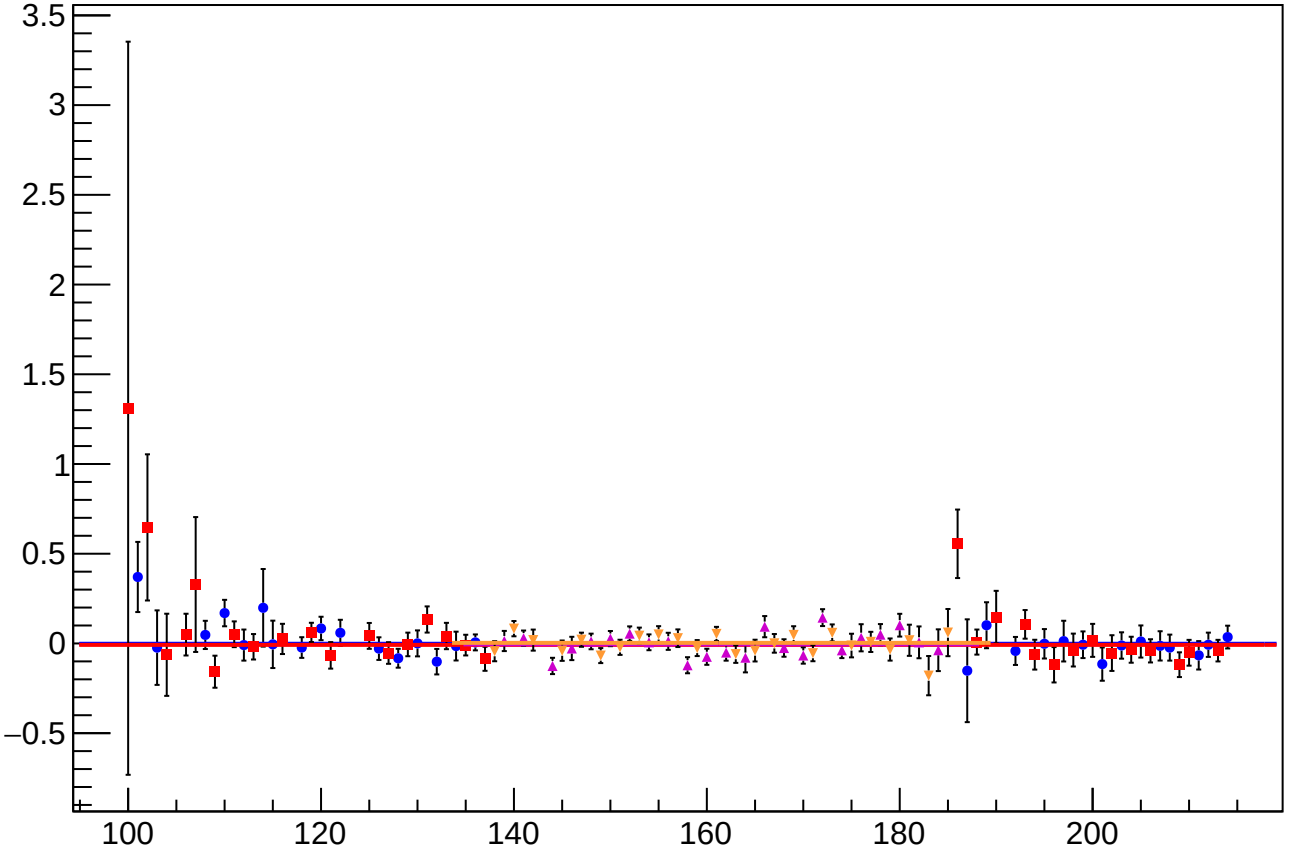
Right: 0.000+/-0.000 χ^2/NDF: 22181897.8/61

In: 0.000+/-0.000 χ^2/NDF:13227635.2/52

Out: 0.000+/-0.000 χ^2/NDF:15758328.1/55

All: 0.000+/-0.000 χ^2/NDF: 29010759.3/108

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

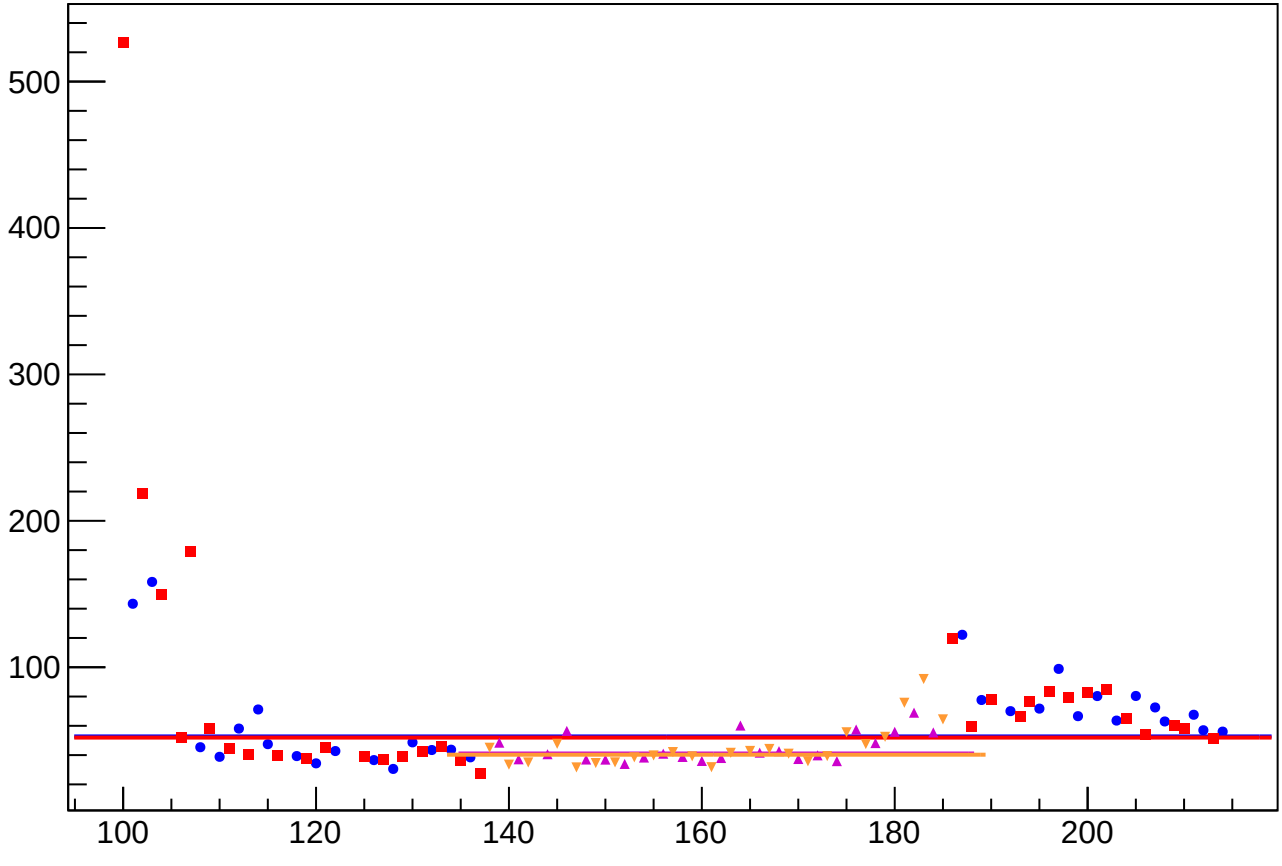
Right: -0.005+/-0.010 χ^2/NDF: 55.7/61

In: -0.004+/-0.008 χ^2/NDF:62.7/52

Out: -0.001+/-0.008 χ^2/NDF:56.6/55

All: -0.002+/-0.006 χ^2/NDF: 119.4/108

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

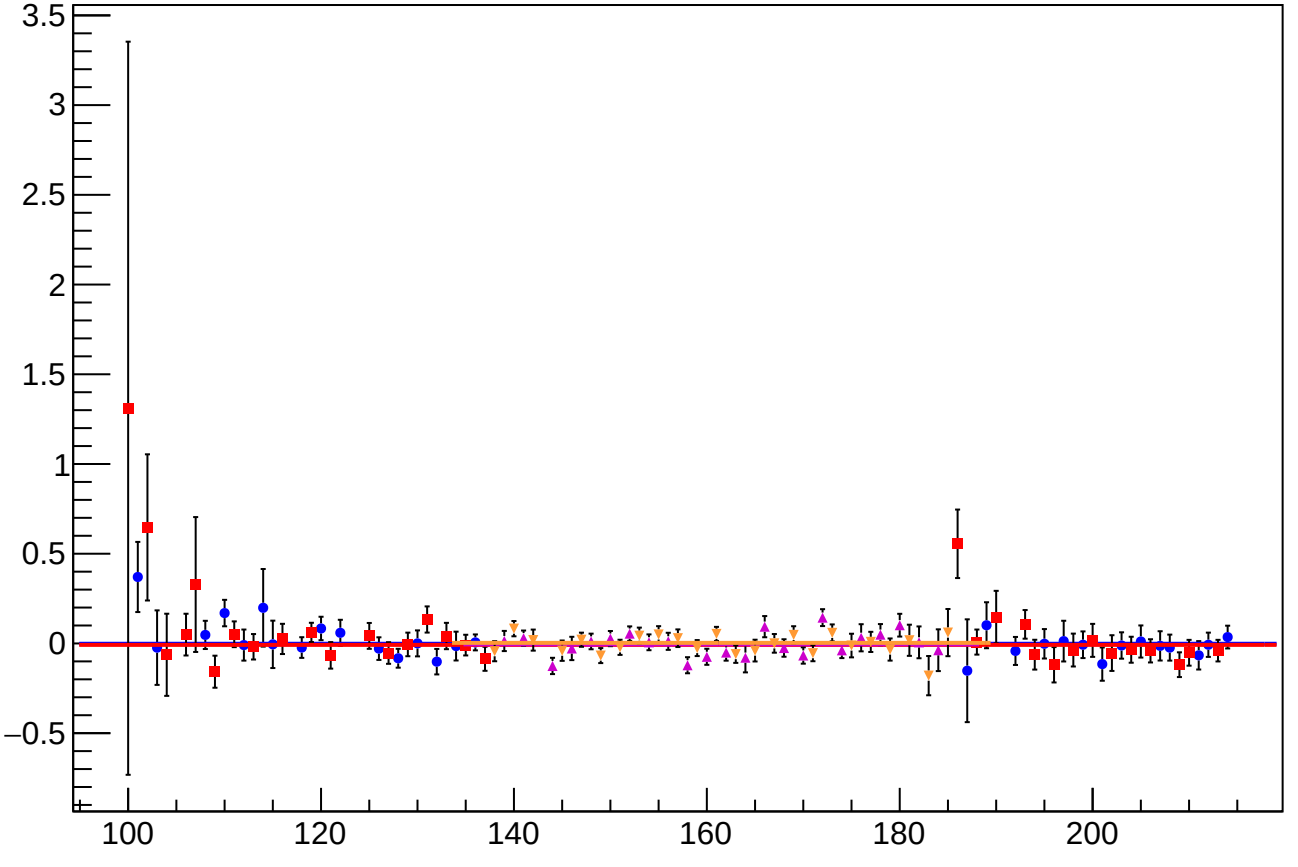
Right: 52.365+/-0.007 χ^2/NDF: 7152904.0/61

In: 45.284+/-0.006 χ^2/NDF:5383177.1/52

Out: 44.379+/-0.006 χ^2/NDF:5954372.1/55

All: 44.827+/-0.004 χ^2/NDF: 11349138.9/108

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

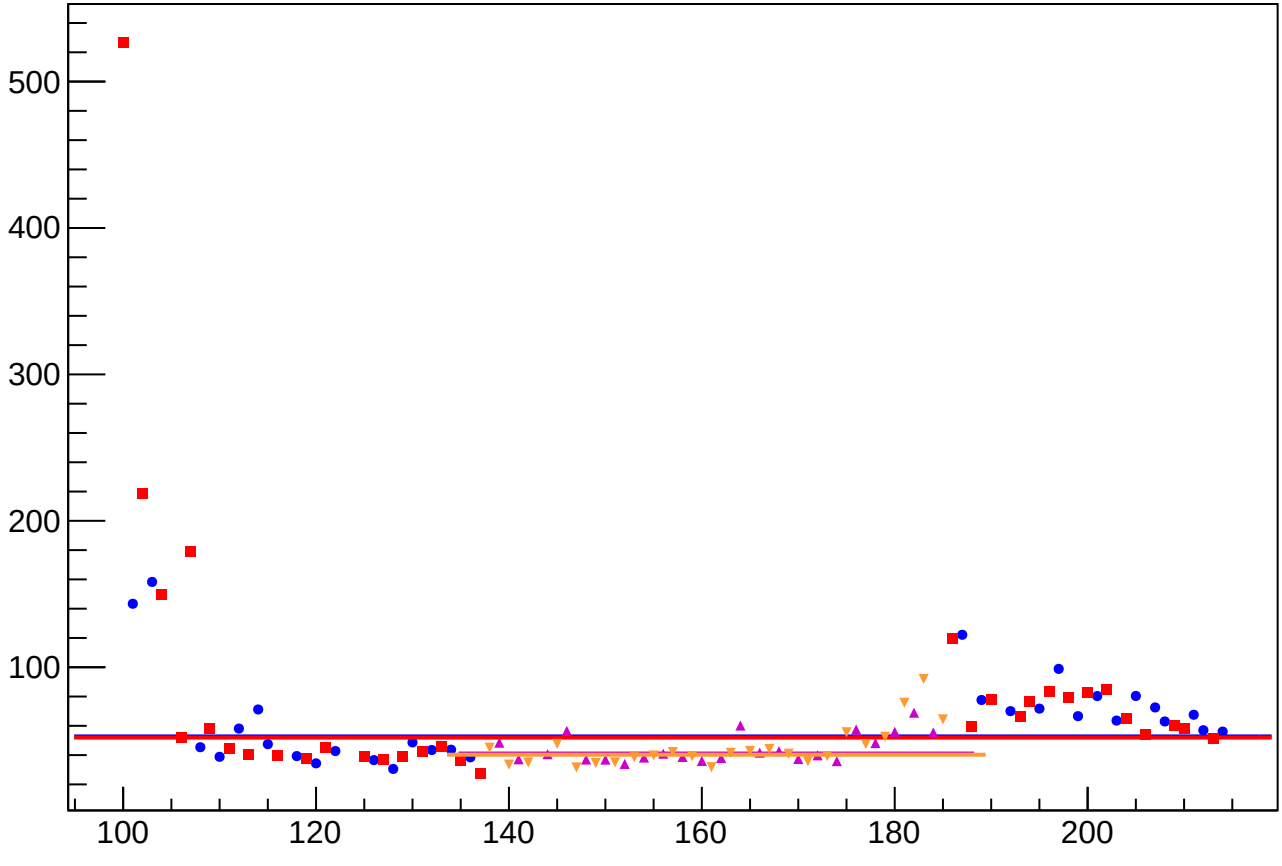
Right: -0.005+/-0.010 χ^2/NDF: 55.7/61

In: -0.004+/-0.008 χ^2/NDF:62.7/52

Out: -0.001+/-0.008 χ^2/NDF:56.6/55

All: -0.002+/-0.006 χ^2/NDF: 119.4/108

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

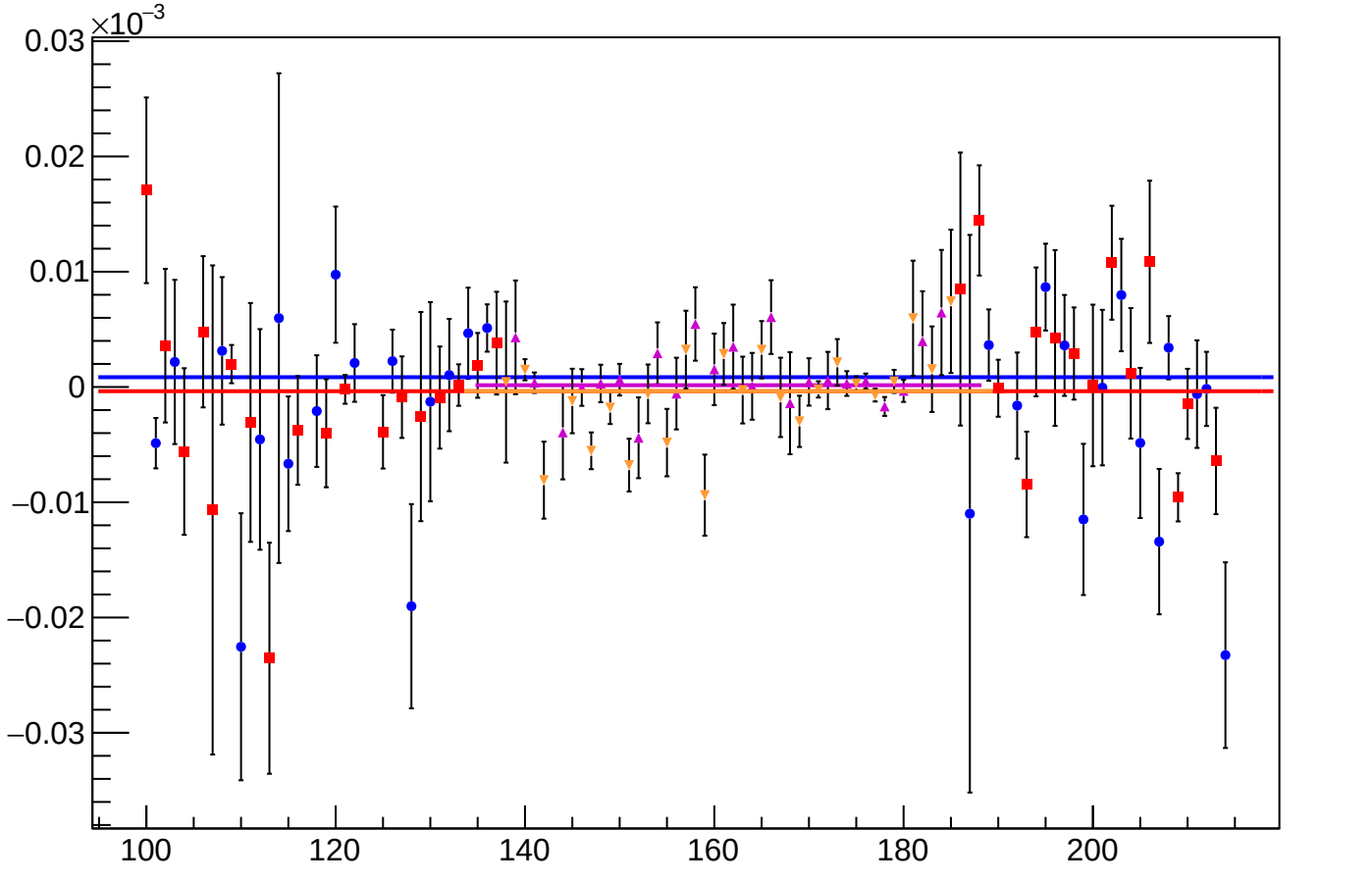
Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

Right: 52.365+/-0.007 χ^2/NDF: 7152904.0/61

In: 45.284+/-0.006 χ^2/NDF:5383177.1/52

Out: 44.379+/-0.006 χ^2/NDF:5954372.1/55

All: 44.827+/-0.004 χ^2/NDF: 11349138.9/108



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

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

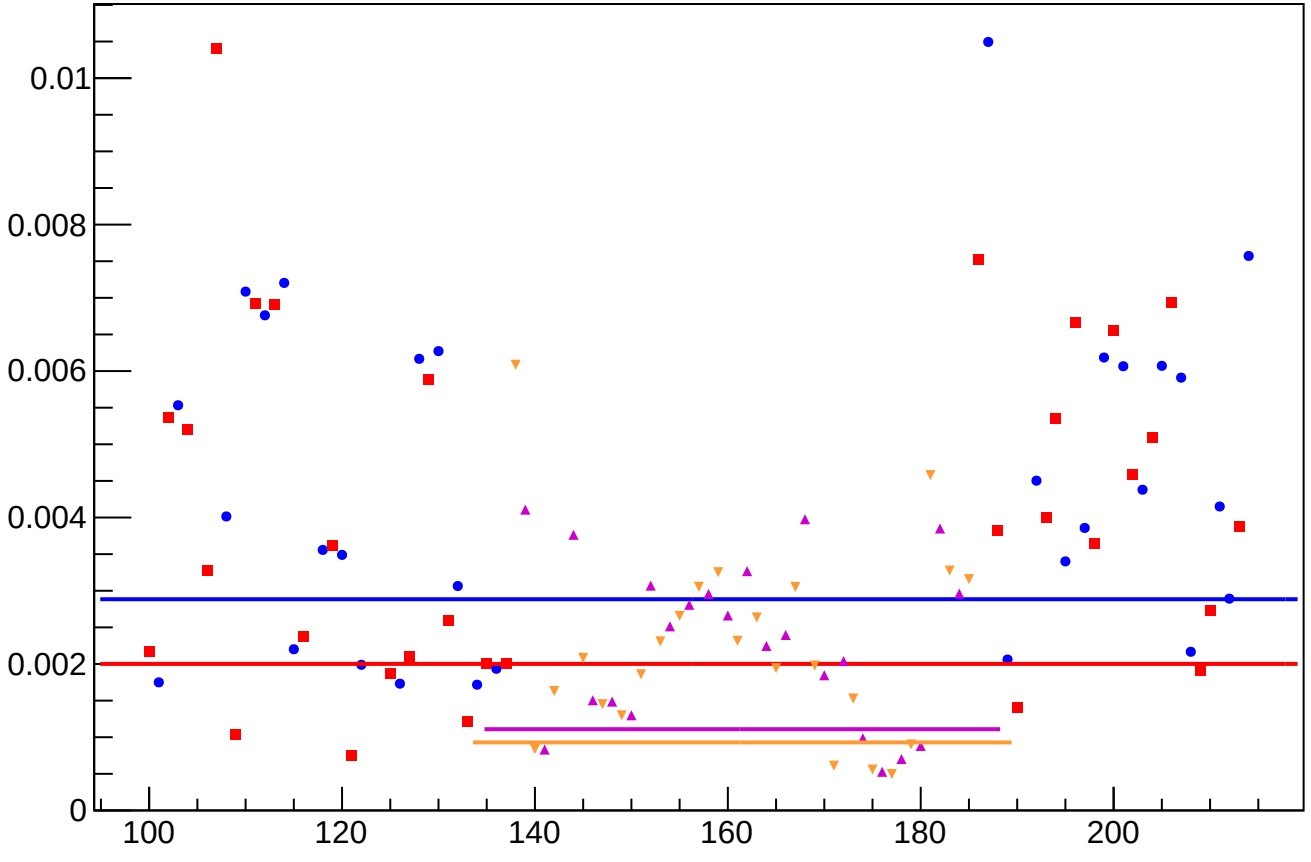
Right: 0.000+/-0.000 χ^2/NDF: 117.7/61

In: 0.000+/-0.000 χ^2/NDF:74.7/52

Out: -0.000+/-0.000 χ^2/NDF:113.2/55

All: -0.000+/-0.000 χ^2/NDF: 190.5/108

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 7086426.4/29

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 12381736.7/31

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

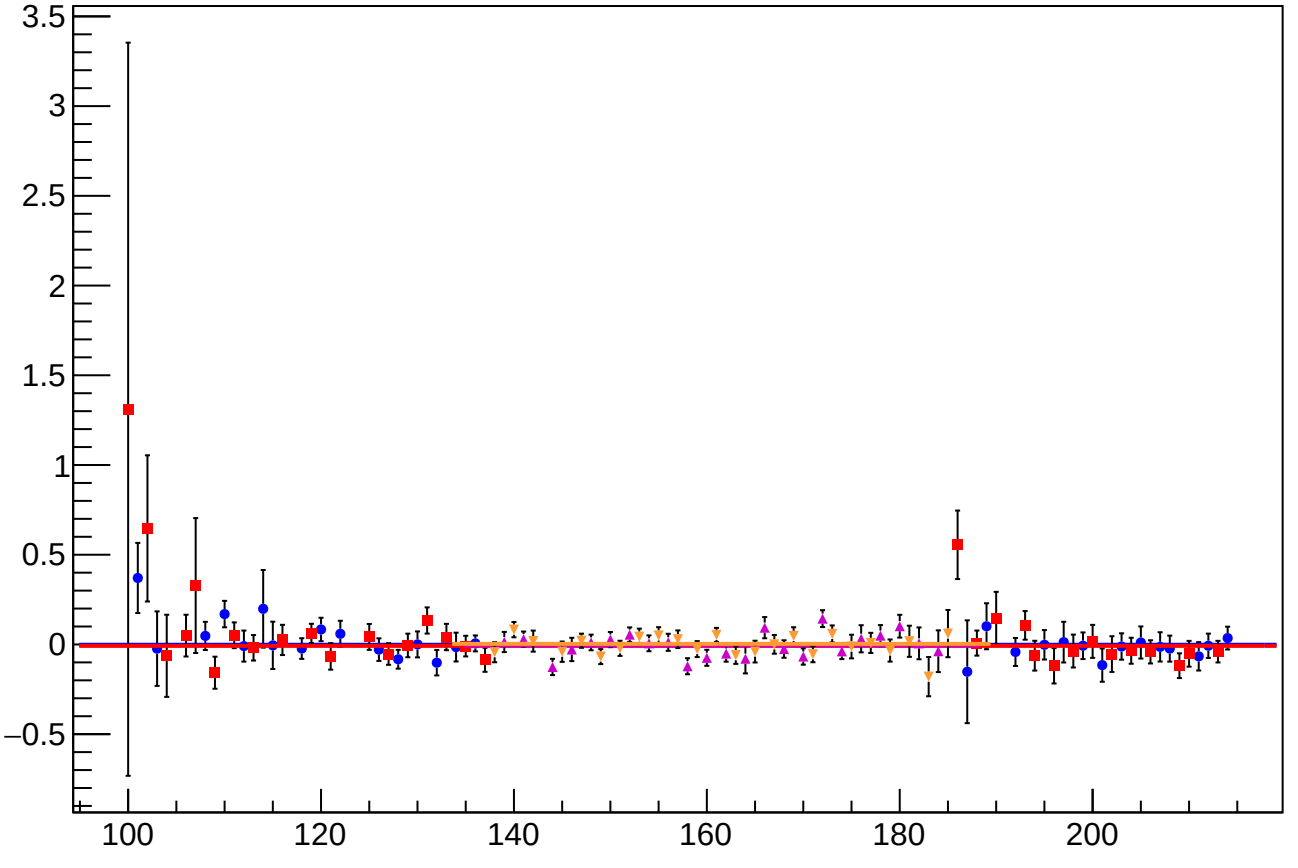
Right: 0.002+/-0.000 χ^2/NDF: 21097917.3/61

In: 0.001+/-0.000 χ^2/NDF:26997570.1/52

Out: 0.001+/-0.000 χ^2/NDF:30233193.5/55

All: 0.001+/-0.000 χ^2/NDF: 58046179.1/108

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

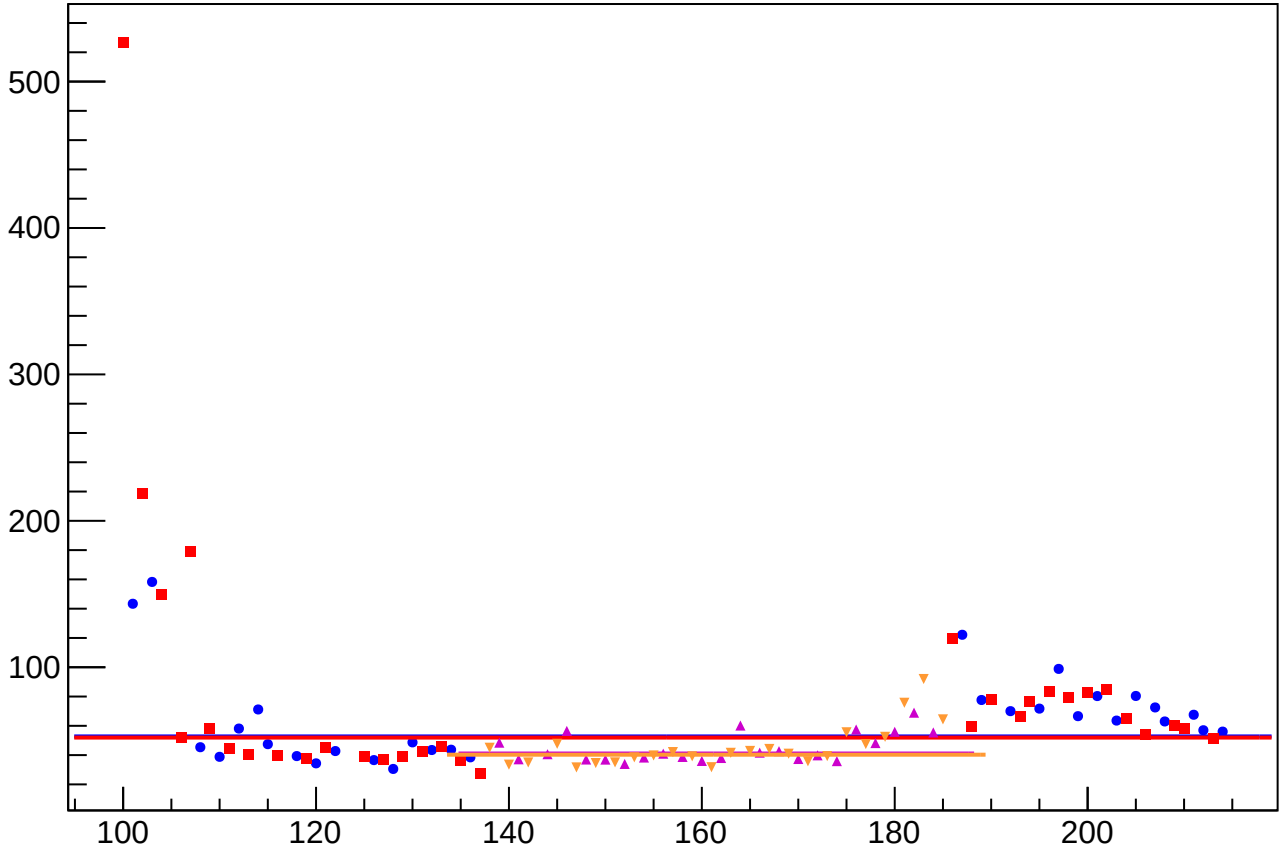
Right: -0.005+/-0.010 χ^2/NDF: 55.7/61

In: -0.004+/-0.008 χ^2/NDF:62.7/52

Out: -0.001+/-0.008 χ^2/NDF:56.6/55

All: -0.002+/-0.006 χ^2/NDF: 119.4/108

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

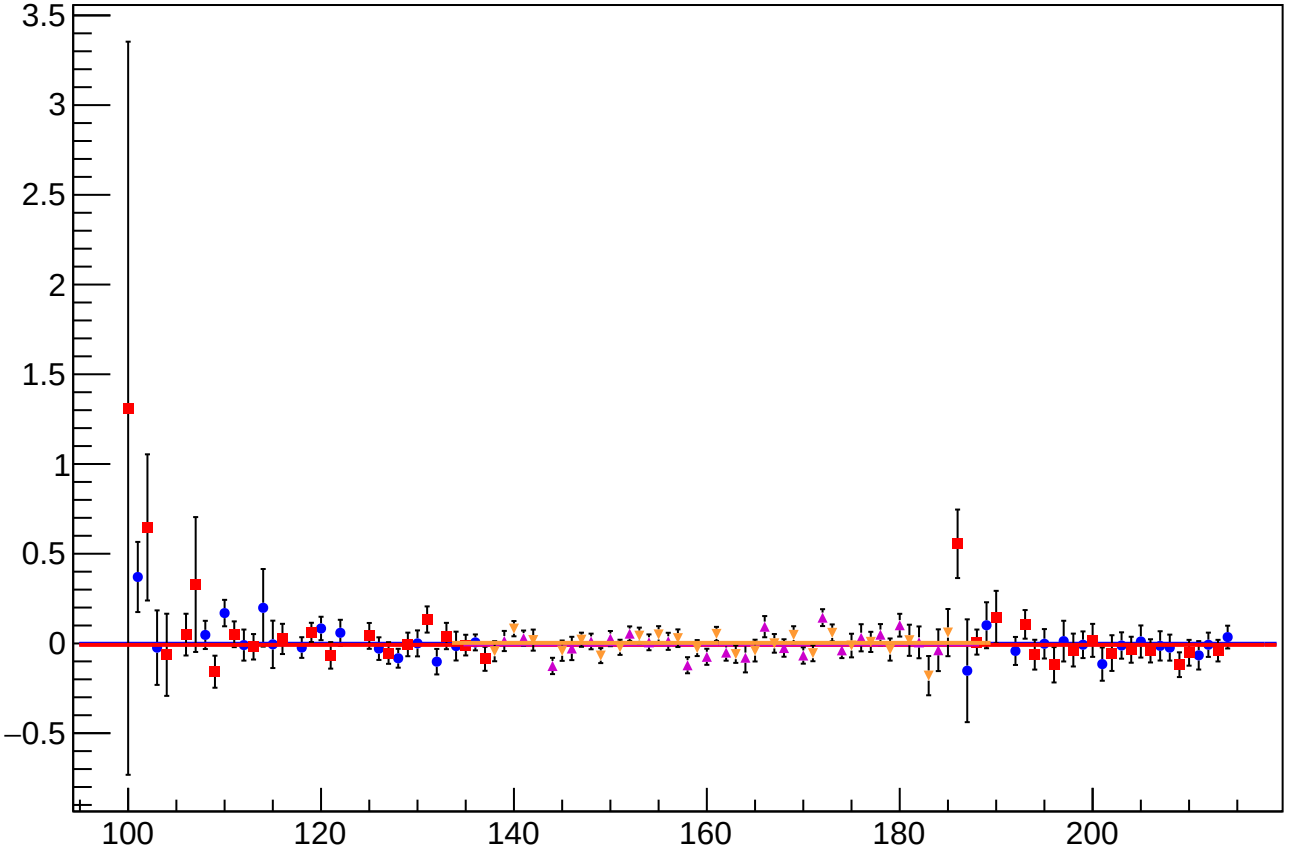
Right: 52.365+/-0.007 χ^2/NDF: 7153484.7/61

In: 45.284+/-0.006 χ^2/NDF:5383596.8/52

Out: 44.380+/-0.006 χ^2/NDF:5954391.3/55

All: 44.827+/-0.004 χ^2/NDF: 11349557.2/108

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

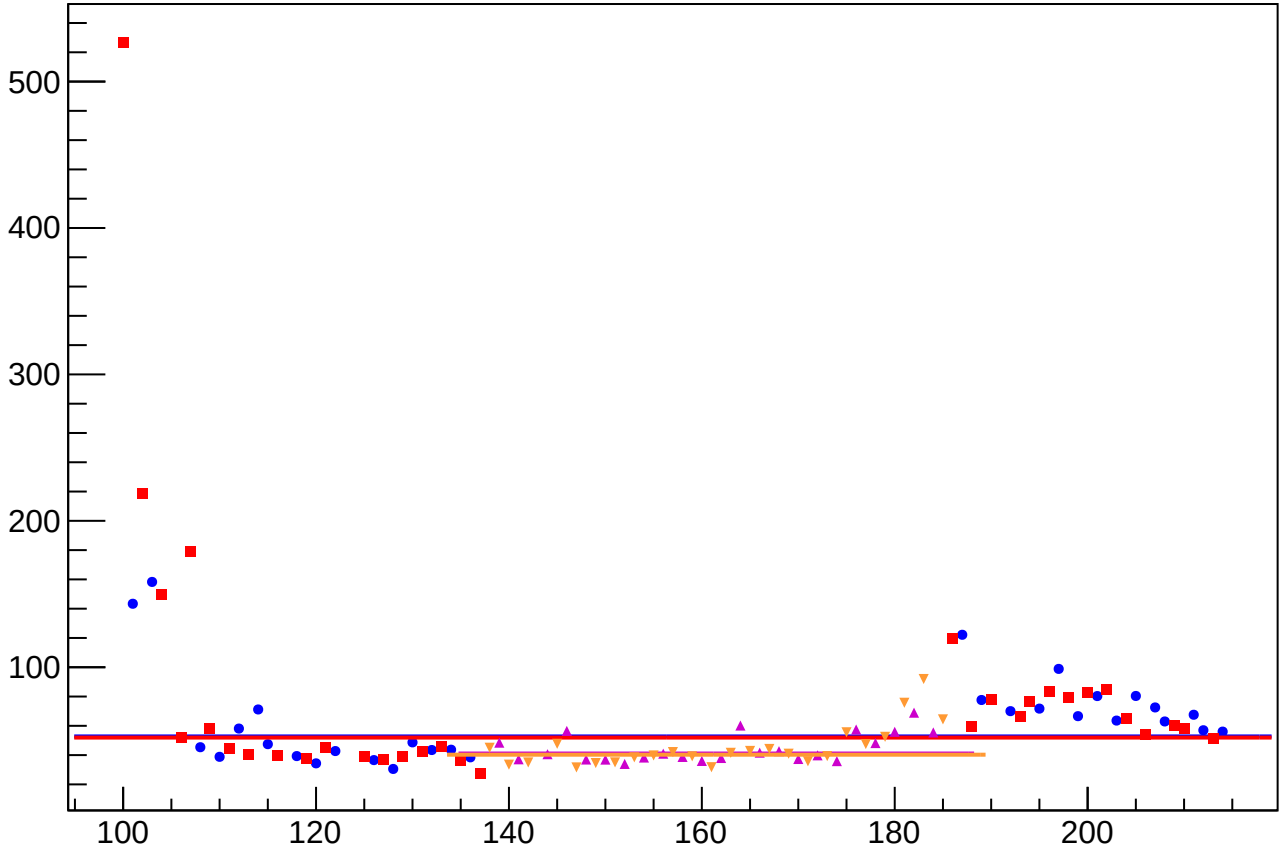
Right: -0.005+/-0.010 χ^2/NDF: 55.7/61

In: -0.004+/-0.008 χ^2/NDF:62.7/52

Out: -0.001+/-0.008 χ^2/NDF:56.6/55

All: -0.002+/-0.006 χ^2/NDF: 119.4/108

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

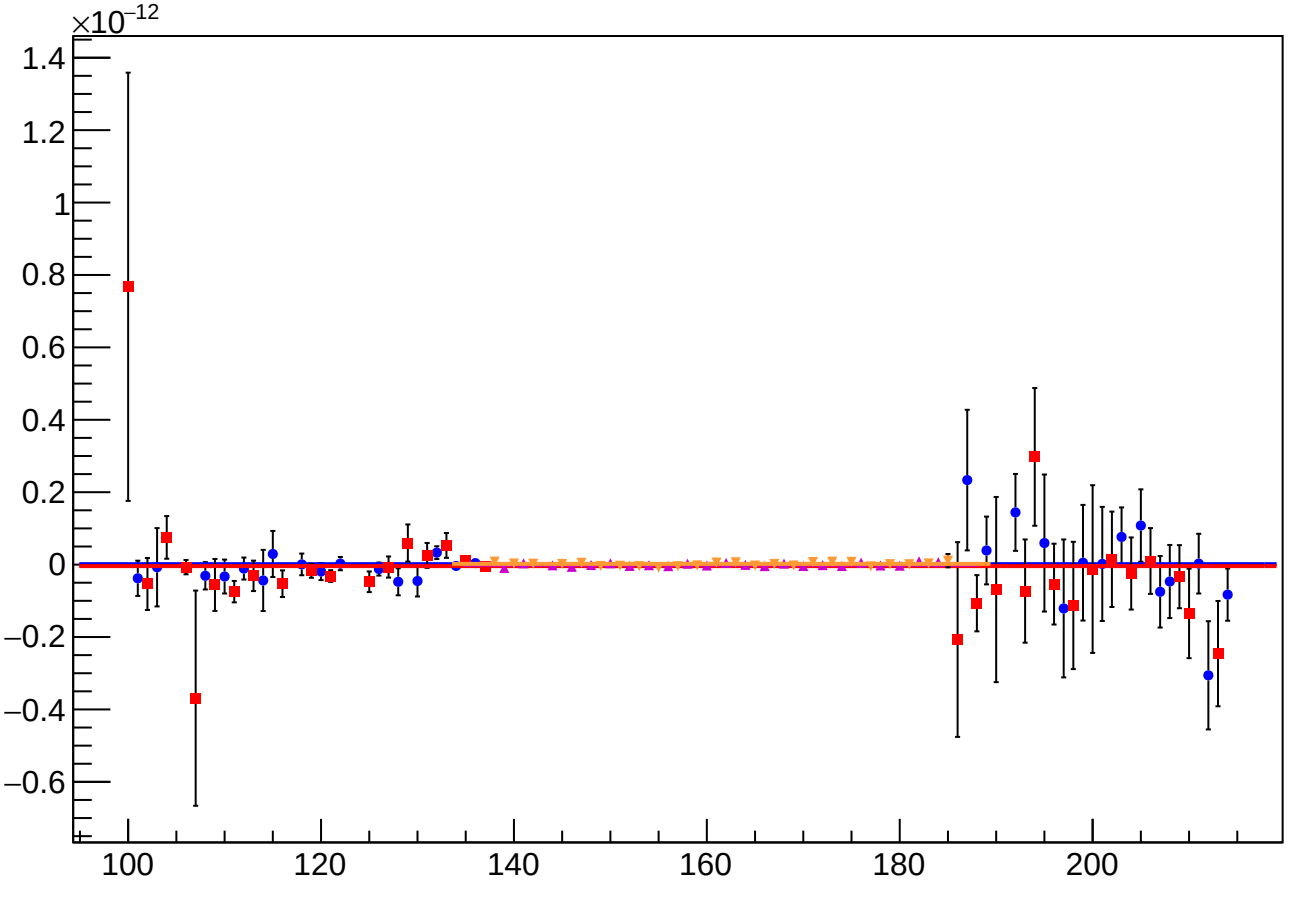
Right: 52.365+/-0.007 χ^2/NDF: 7153484.7/61

In: 45.284+/-0.006 χ^2/NDF:5383596.8/52

Out: 44.380+/-0.006 χ^2/NDF:5954391.3/55

All: 44.827+/-0.004 χ^2/NDF: 11349557.2/108

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

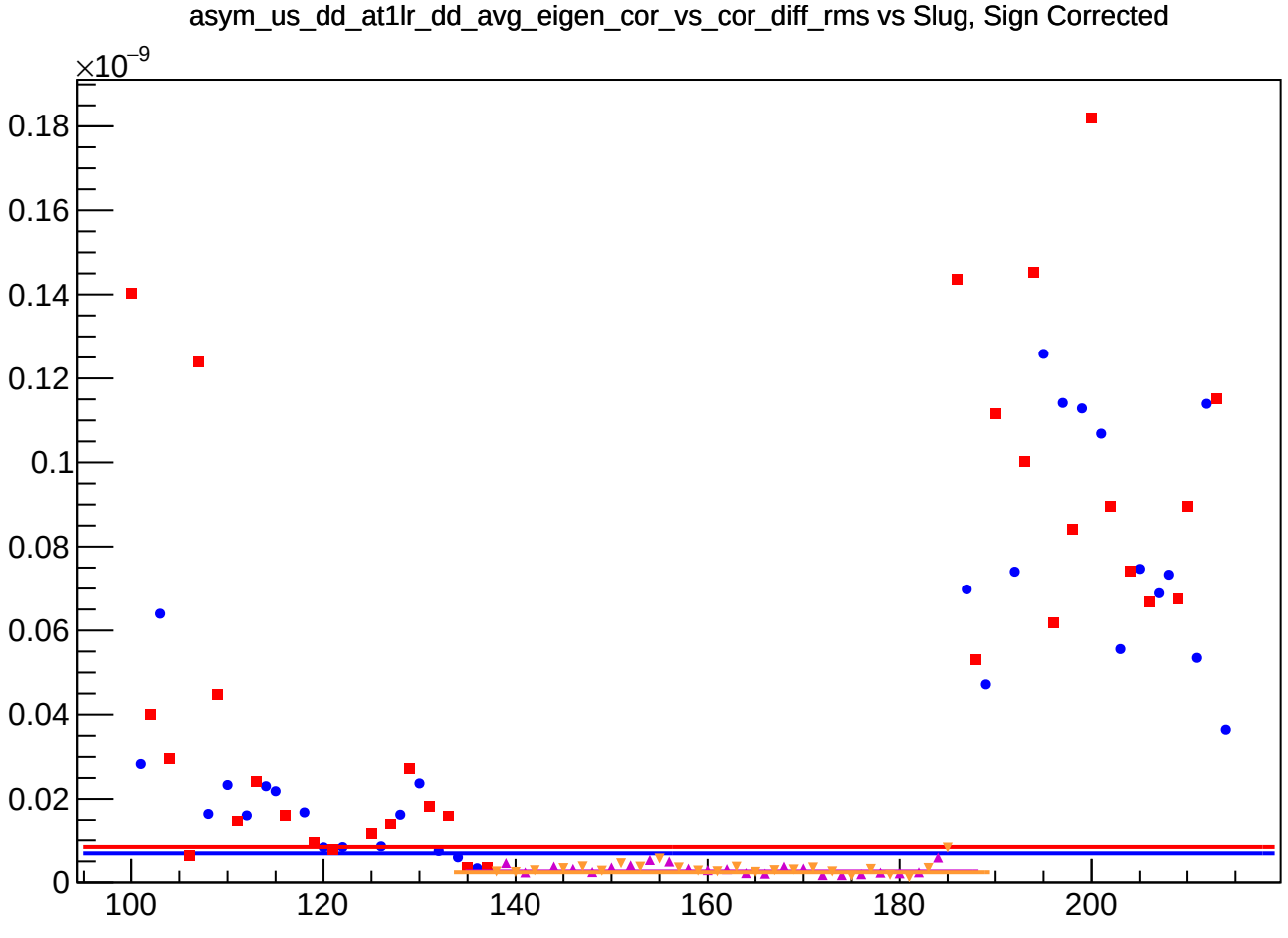
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

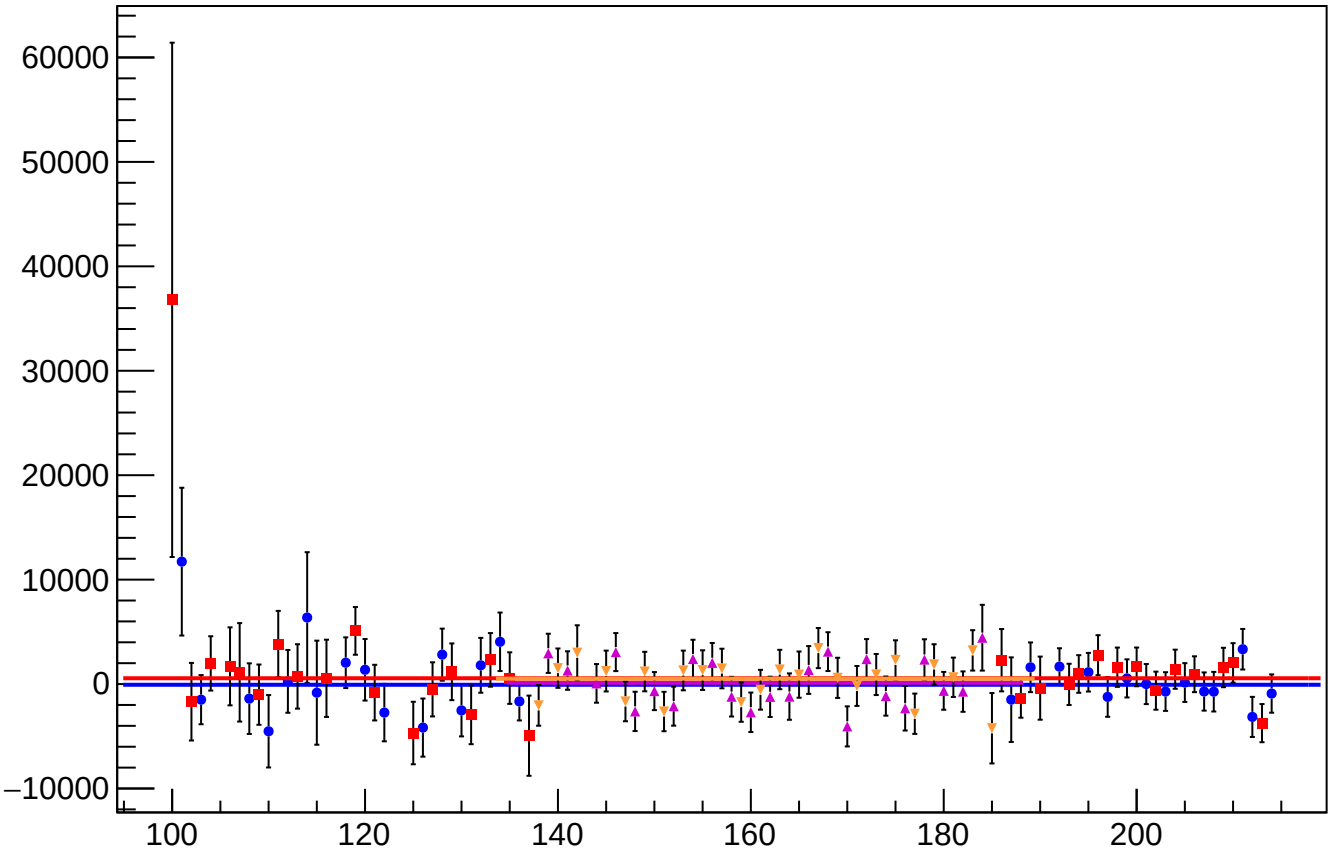
Right: -0.000+/-0.000 χ^2/NDF: 62.3/61

In: -0.000+/-0.000 χ^2/NDF:46.1/52

Out: 0.000+/-0.000 χ^2/NDF:65.5/55

All: 0.000+/-0.000 χ^2/NDF: 114.8/108


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 13225285.2/29
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 14617694.8/31
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
Left: 0.000+/-0.000 χ²/NDF: 4793027.5/46
Right: 0.000+/-0.000 χ²/NDF: 27965842.0/61
In: 0.000+/-0.000 χ²/NDF:17501326.0/52
Out: 0.000+/-0.000 χ²/NDF:20574608.9/55
All: 0.000+/-0.000 χ²/NDF: 38144688.7/108



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

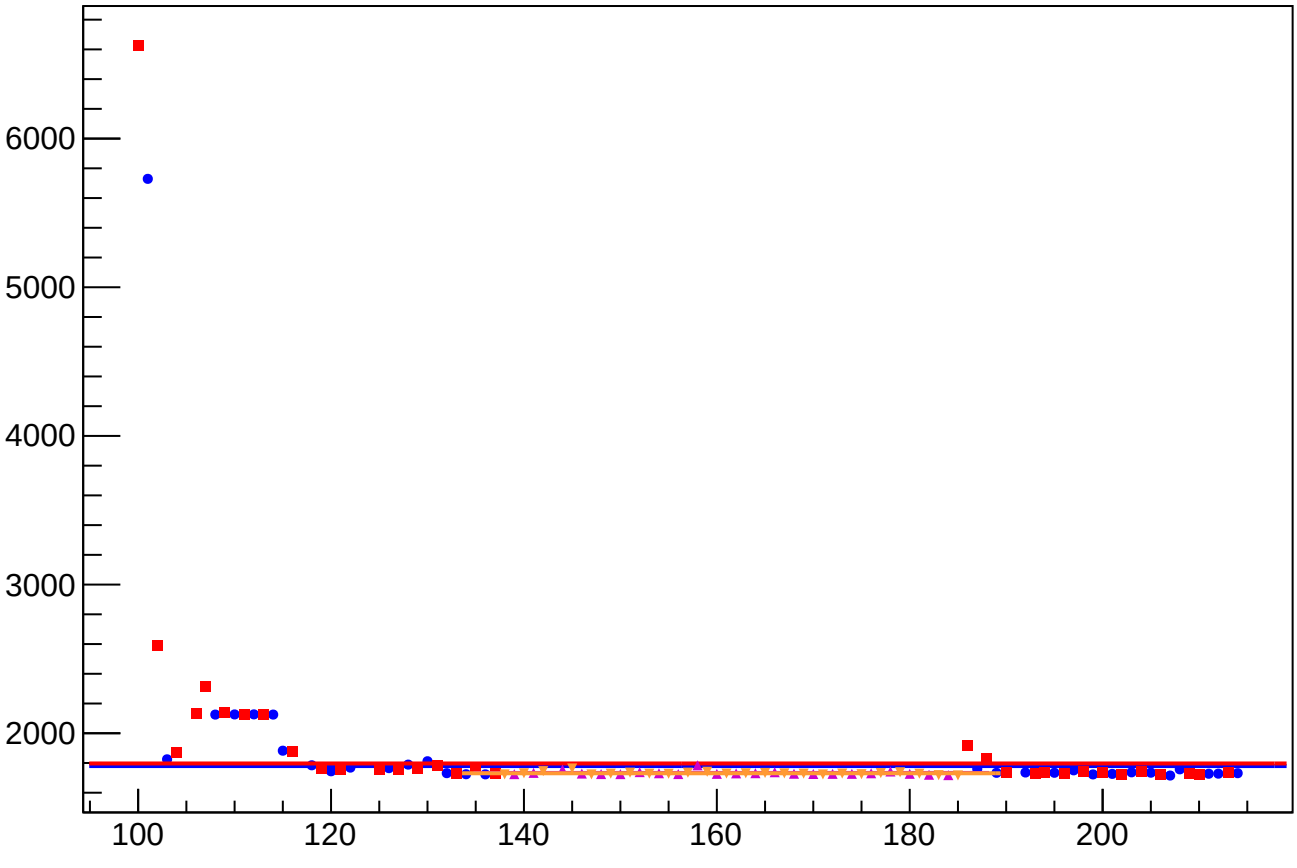
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 245.486+/-296.679 χ^2/NDF: 52.3/61

In: 33.167+/-291.263 χ^2/NDF:54.2/52

Out: 537.942+/-290.150 χ^2/NDF:47.4/55

All: 286.521+/-205.559 χ^2/NDF: 103.1/108



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

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

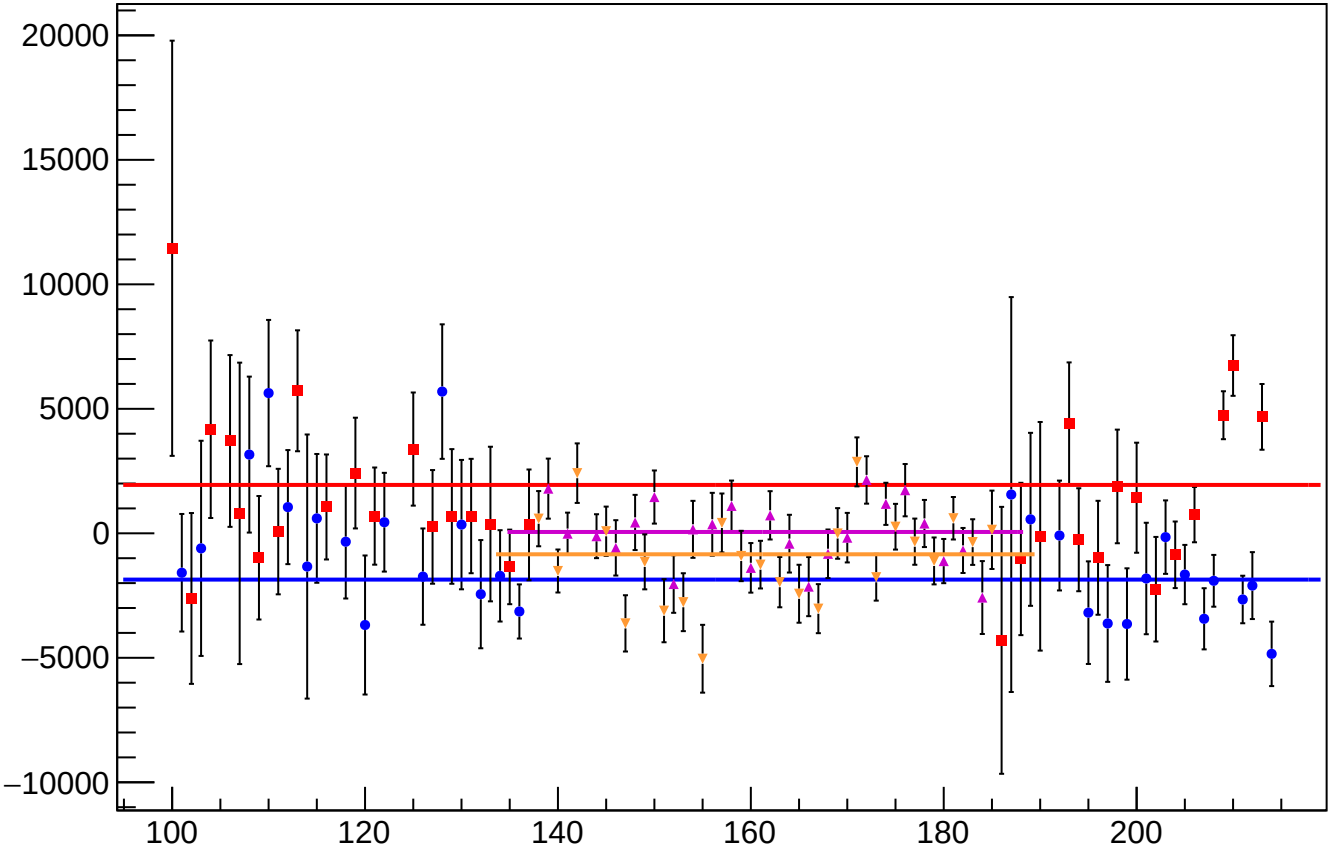
Right: 1788.013+/-0.210 χ^2/NDF: 1040696.0/61

In: 1755.317+/-0.206 χ^2/NDF:733873.4/52

Out: 1762.351+/-0.205 χ^2/NDF:346645.9/55

All: 1758.848+/-0.145 χ^2/NDF: 1081104.9/10

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



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

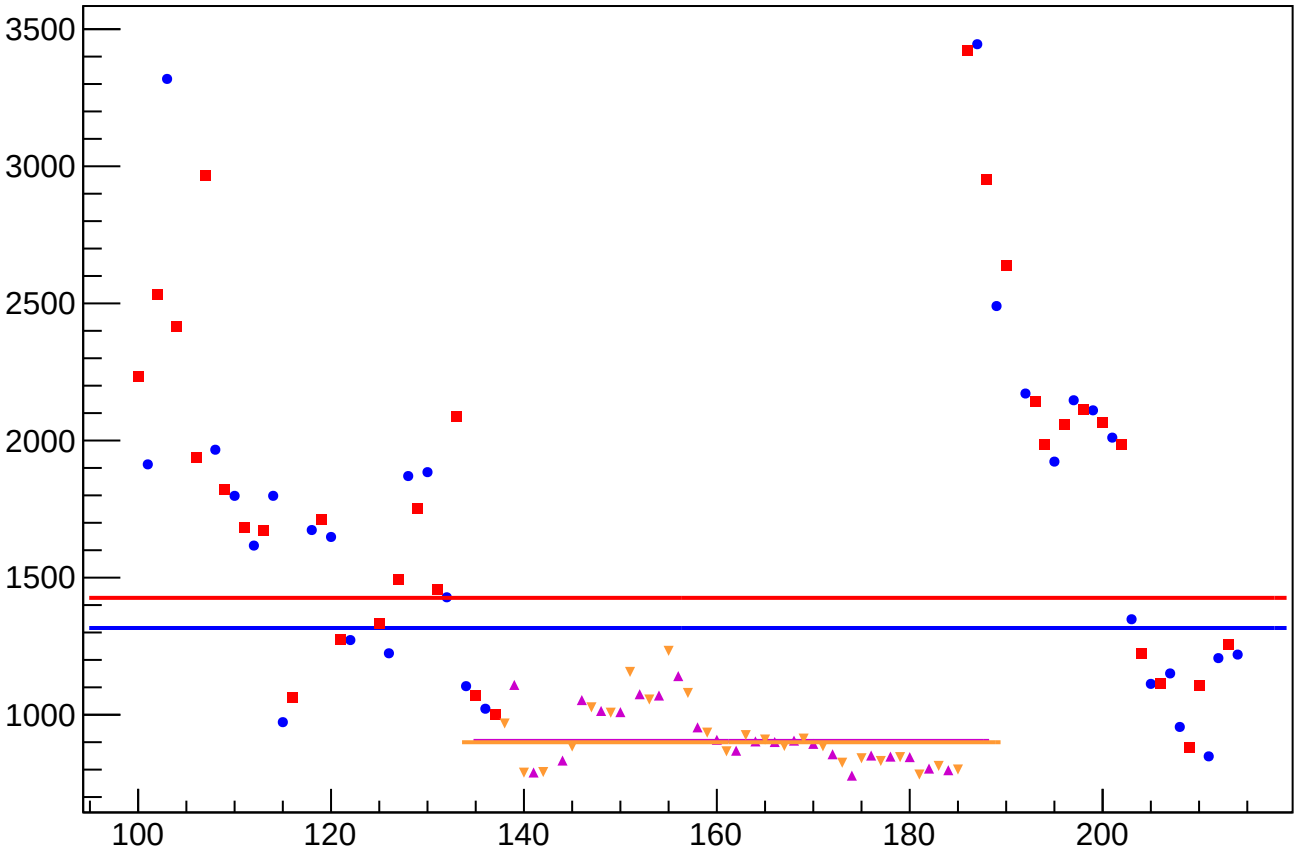
Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

Right: -109.746+/-239.308 χ^2/NDF: 158.6/61

In: -519.111+/-178.240 χ^2/NDF:90.7/52

Out: -109.303+/-180.994 χ^2/NDF:168.6/55

All: -317.349+/-126.997 χ^2/NDF: 261.9/108



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

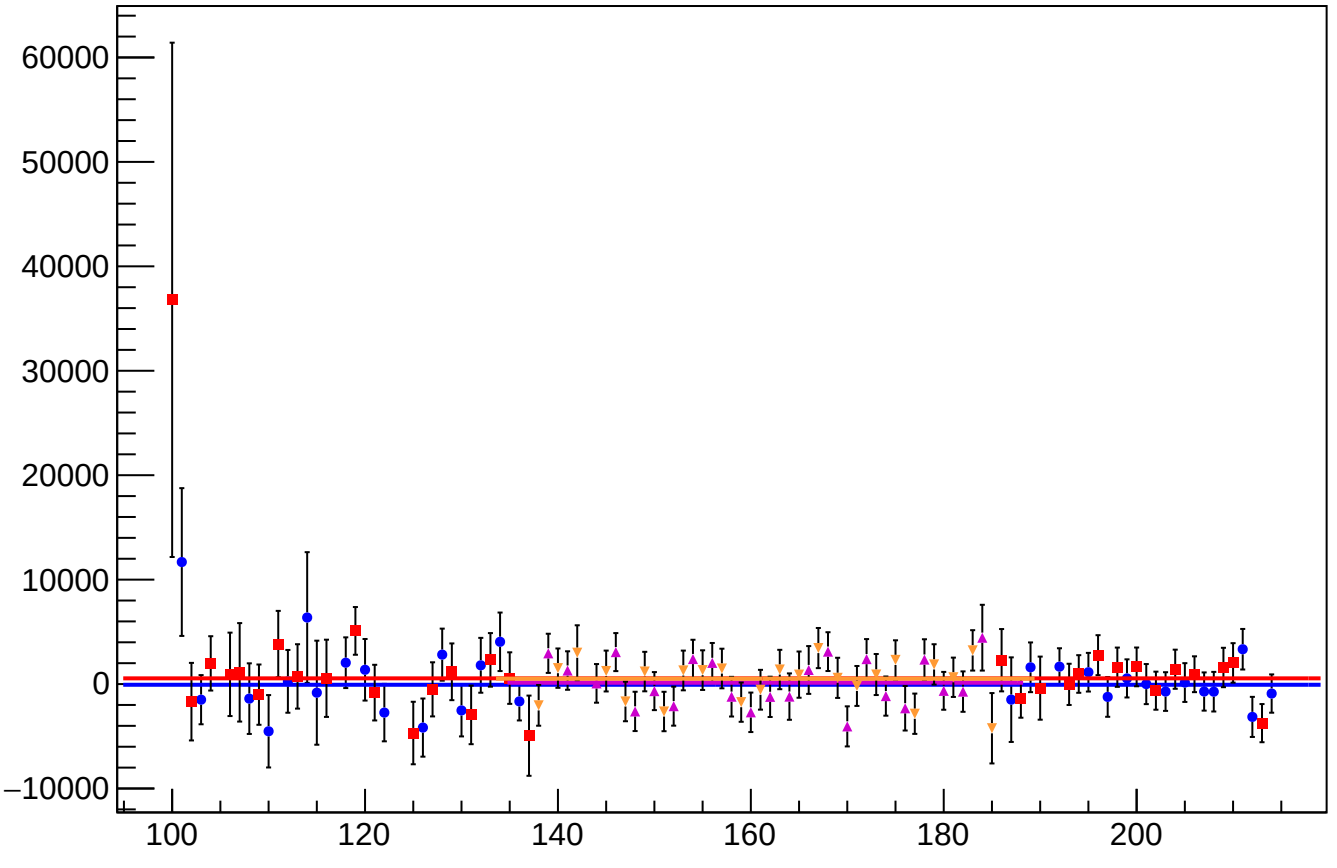
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1366.950+/-0.169 χ^2/NDF: 7664373.5/61

In: 1027.985+/-0.126 χ^2/NDF:6299300.7/52

Out: 1038.359+/-0.128 χ^2/NDF:7728444.9/55

All: 1033.093+/-0.090 χ^2/NDF: 14031080.9/1



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

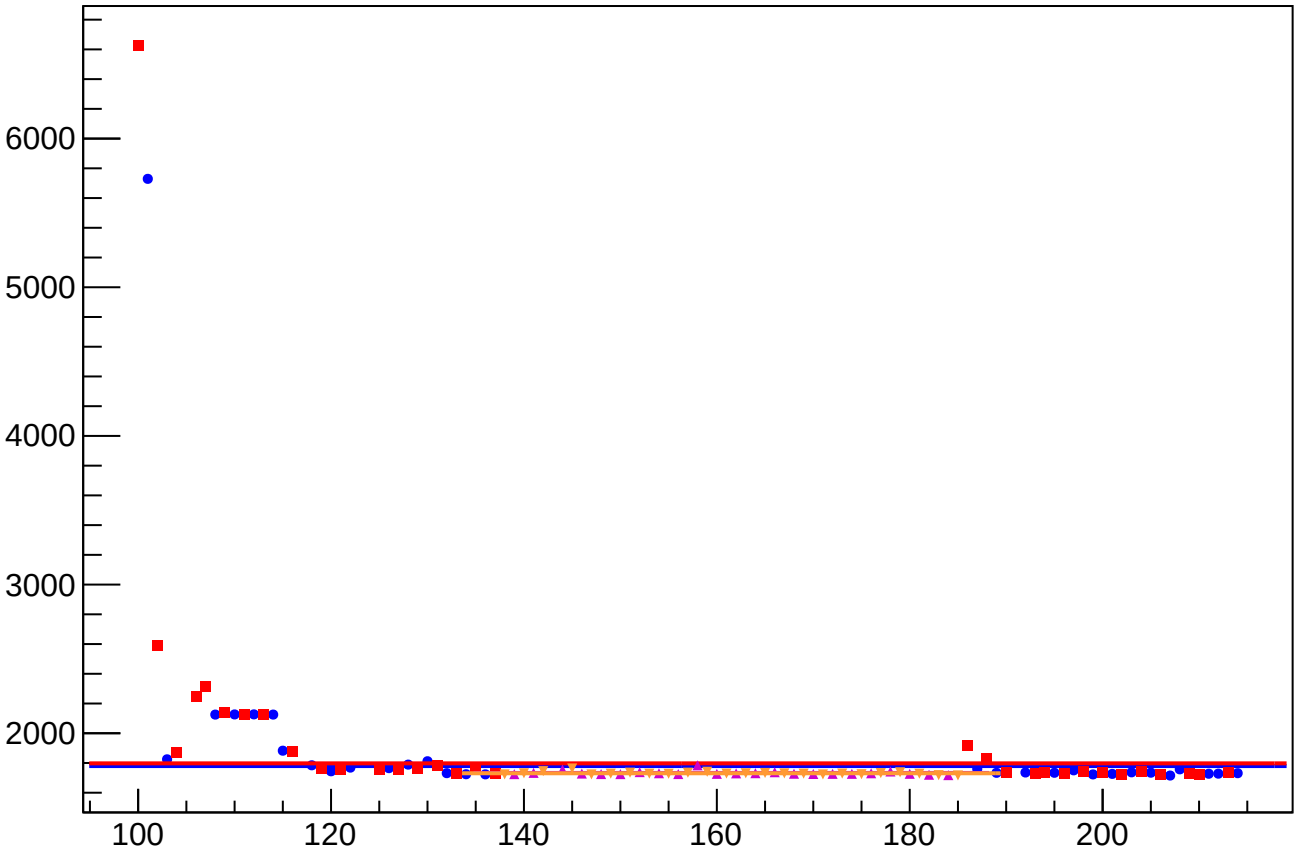
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 240.013+/-296.797 χ^2/NDF: 52.2/61

In: 33.038+/-291.263 χ^2/NDF:54.2/52

Out: 533.101+/-290.259 χ^2/NDF:47.3/55

All: 283.933+/-205.598 χ^2/NDF: 102.9/108



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

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

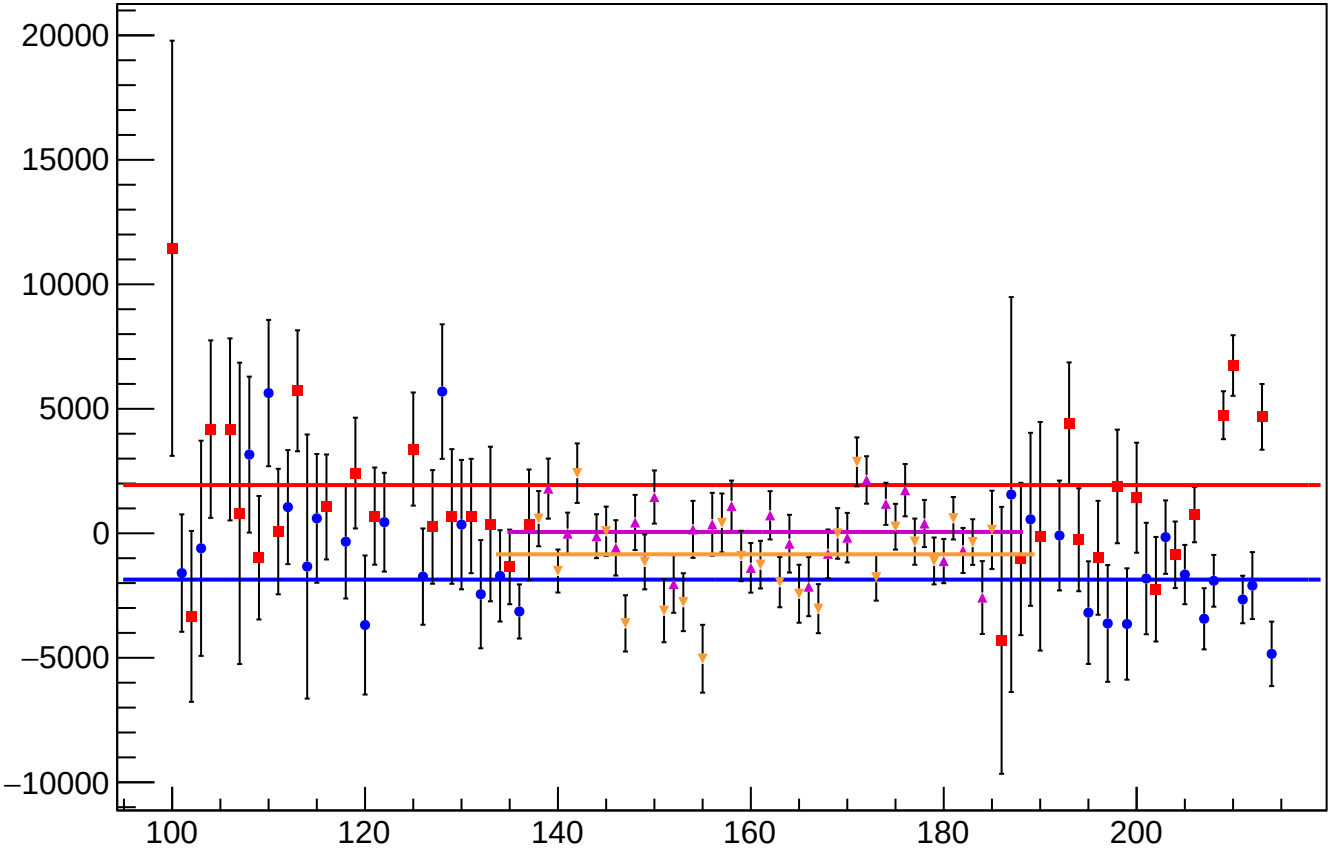
Right: 1788.384+/-0.210 χ^2/NDF: 1050346.8/61

In: 1755.317+/-0.206 χ^2/NDF:733873.3/52

Out: 1762.688+/-0.205 χ^2/NDF:356718.7/55

All: 1759.015+/-0.145 χ^2/NDF: 1091234.6/10

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



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

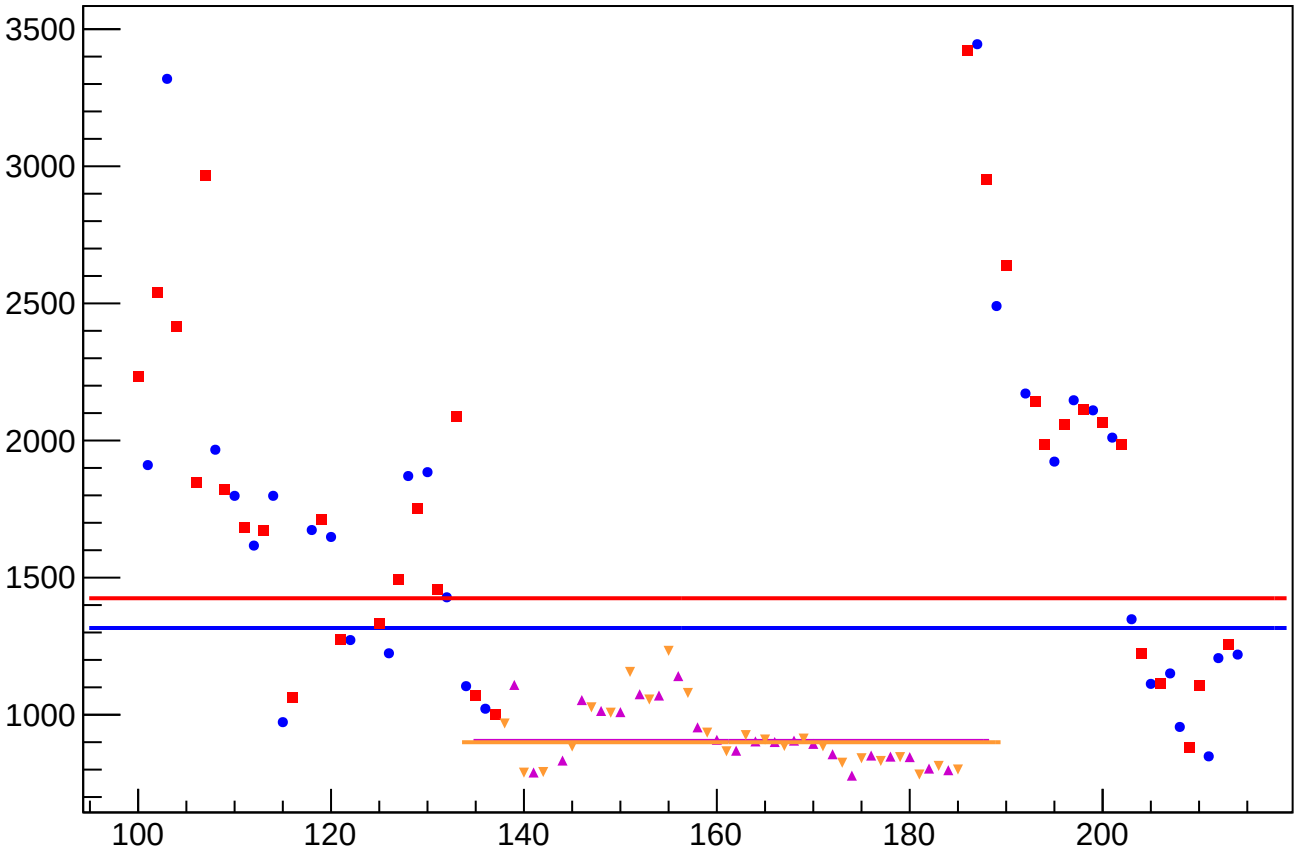
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -113.426+/-239.367 χ^2/NDF: 159.1/61

In: -519.187+/-178.238 χ^2/NDF:90.7/52

Out: -111.328+/-181.022 χ^2/NDF:169.1/55

All: -318.417+/-127.006 χ^2/NDF: 262.4/108



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

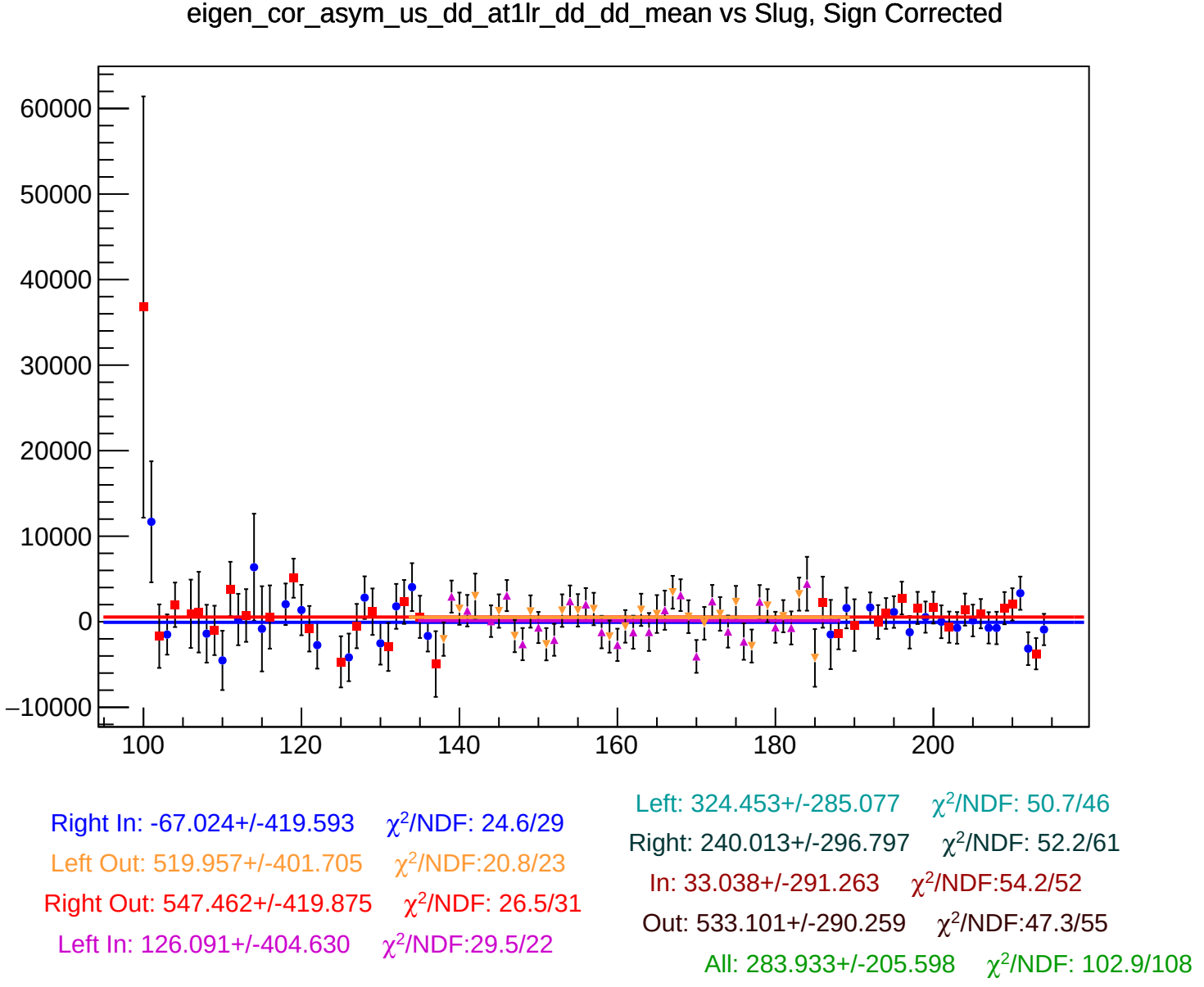
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

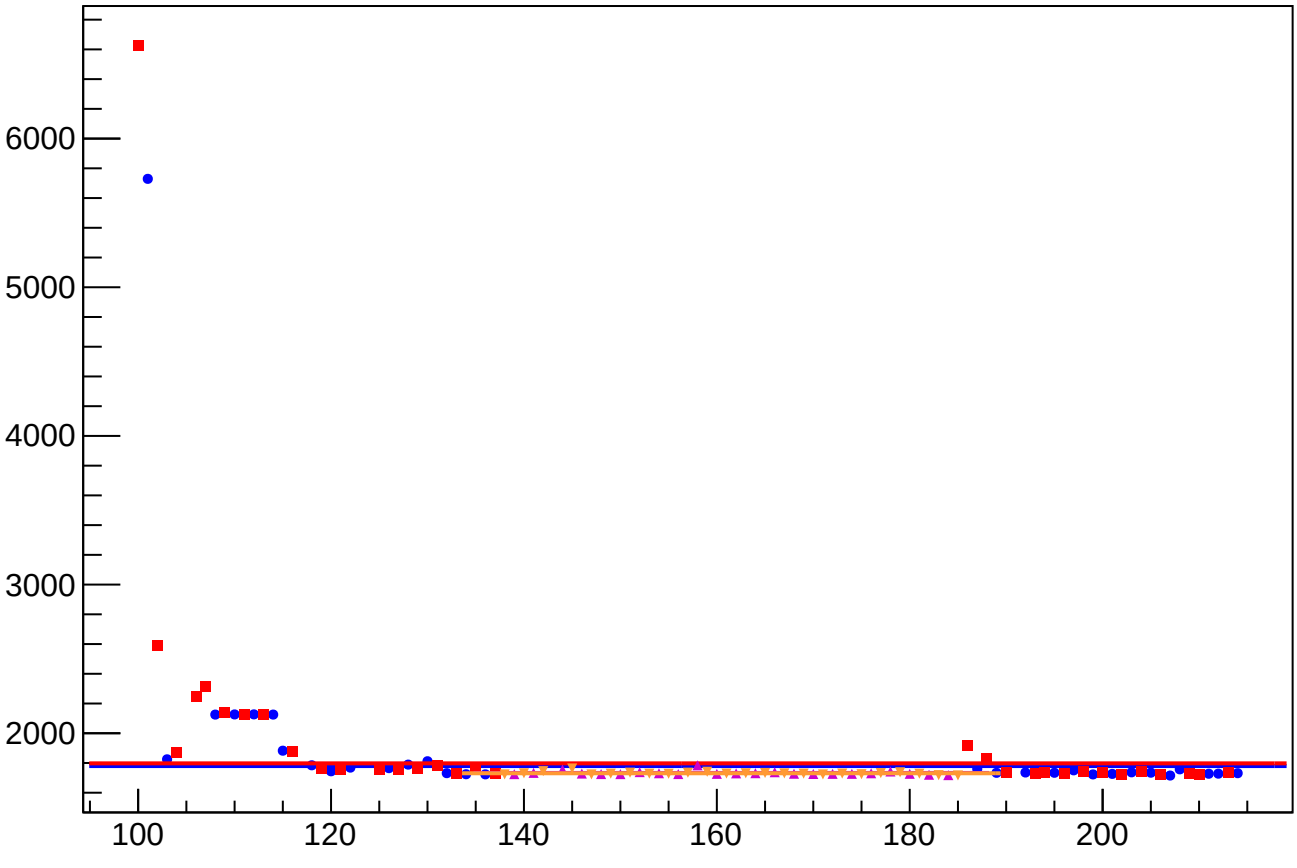
Right: 1366.251+/-0.169 χ^2/NDF: 7645167.8/61

In: 1027.980+/-0.126 χ^2/NDF:6298490.4/52

Out: 1037.871+/-0.128 χ^2/NDF:7692092.1/55

All: 1032.849+/-0.090 χ^2/NDF: 13993614.3/1


eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -67.024+/-419.593 χ²/NDF: 24.6/29
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 547.462+/-419.875 χ²/NDF: 26.5/31
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 240.013+/-296.797 χ²/NDF: 52.2/61
In: 33.038+/-291.263 χ²/NDF:54.2/52
Out: 533.101+/-290.259 χ²/NDF:47.3/55
All: 283.933+/-205.598 χ²/NDF: 102.9/108



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

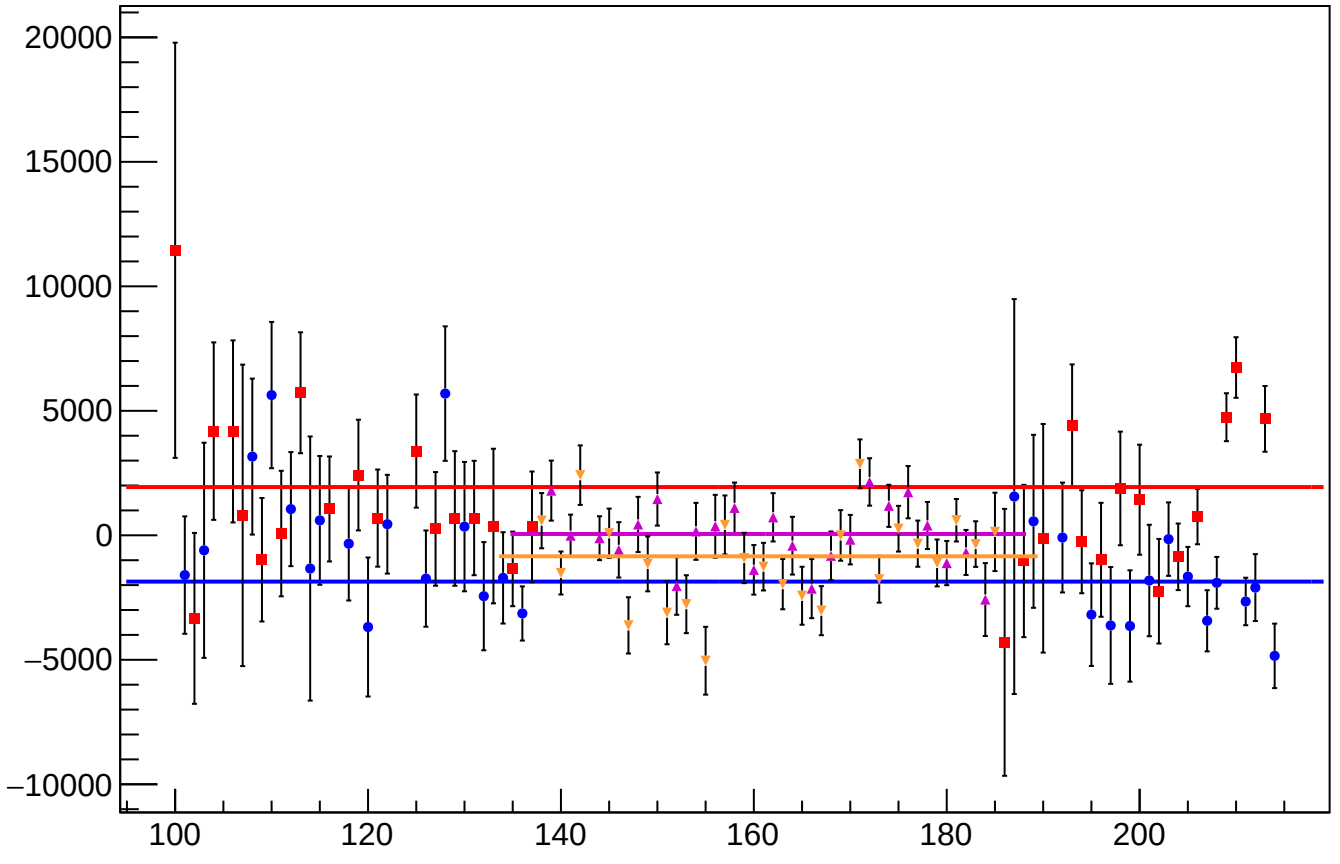
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1788.384+/-0.210 χ^2/NDF: 1050346.8/61

In: 1755.317+/-0.206 χ^2/NDF:733873.3/52

Out: 1762.688+/-0.205 χ^2/NDF:356718.7/55

All: 1759.015+/-0.145 χ^2/NDF: 1091234.6/10



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

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

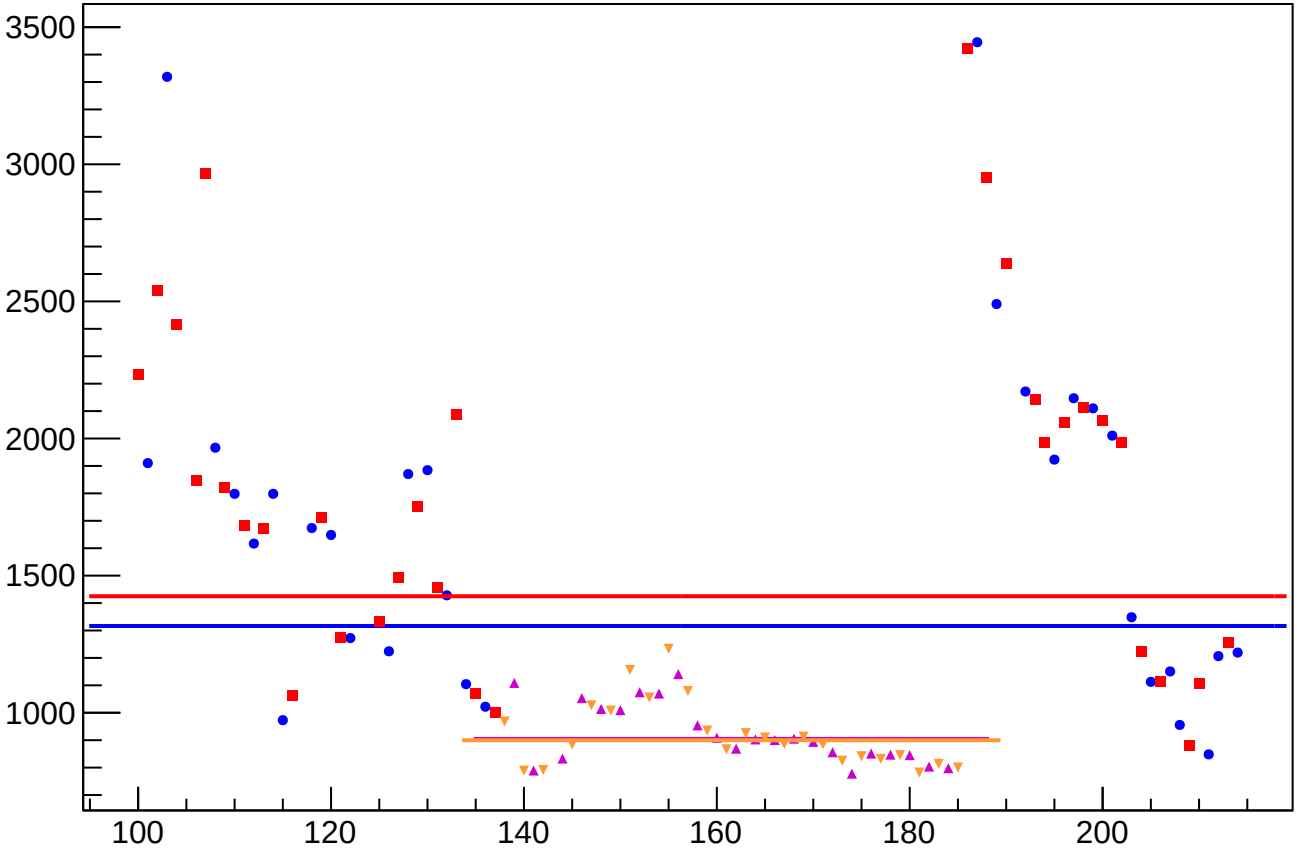
Right: -113.426+/-239.367 χ^2/NDF: 159.1/61

In: -519.187+/-178.238 χ^2/NDF:90.7/52

Out: -111.328+/-181.022 χ^2/NDF:169.1/55

All: -318.417+/-127.006 χ^2/NDF: 262.4/108

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

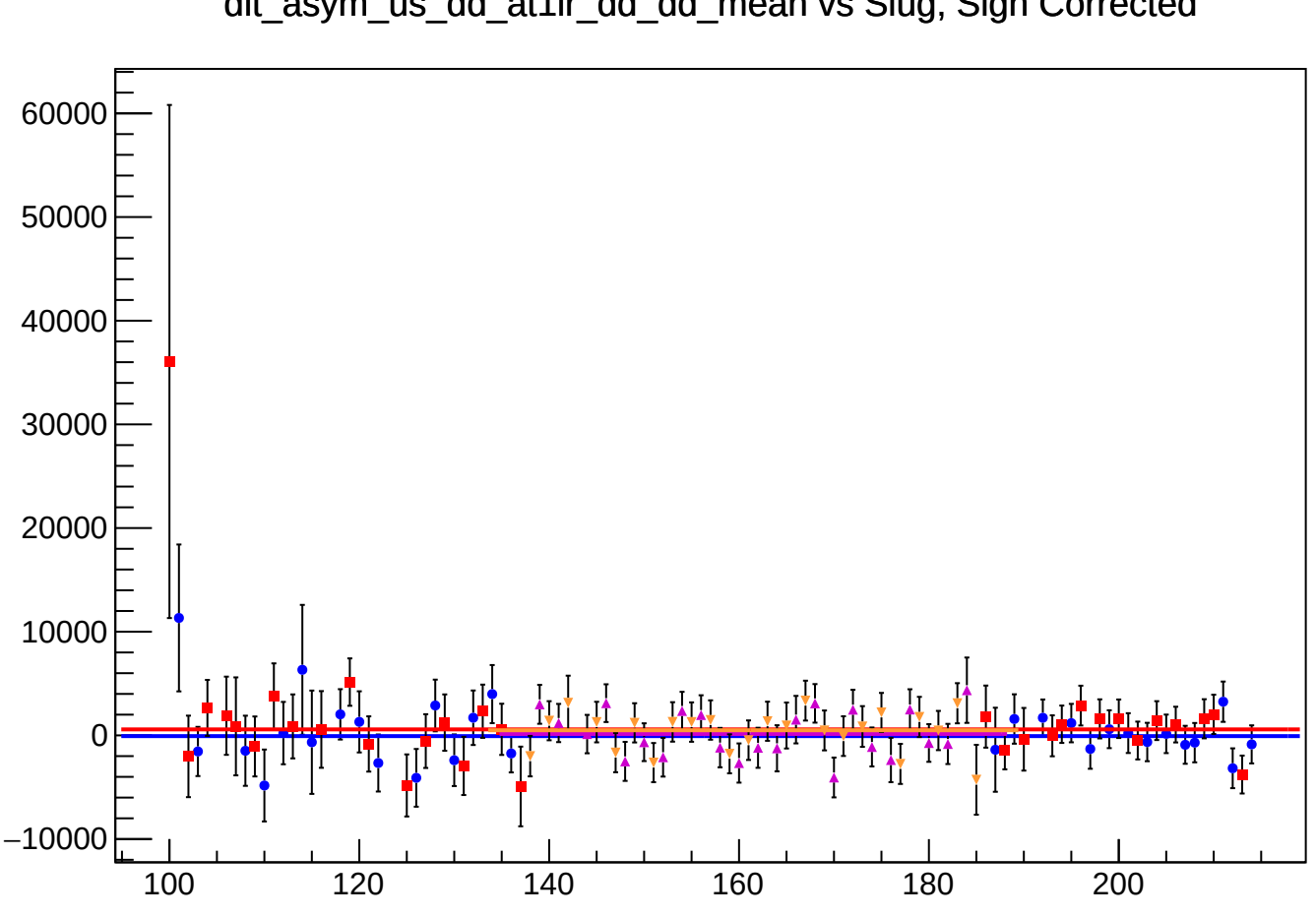
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1366.251+/-0.169 χ^2/NDF: 7645167.8/61

In: 1027.980+/-0.126 χ^2/NDF:6298490.4/52

Out: 1037.871+/-0.128 χ^2/NDF:7692092.1/55

All: 1032.849+/-0.090 χ^2/NDF: 13993614.3/1



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

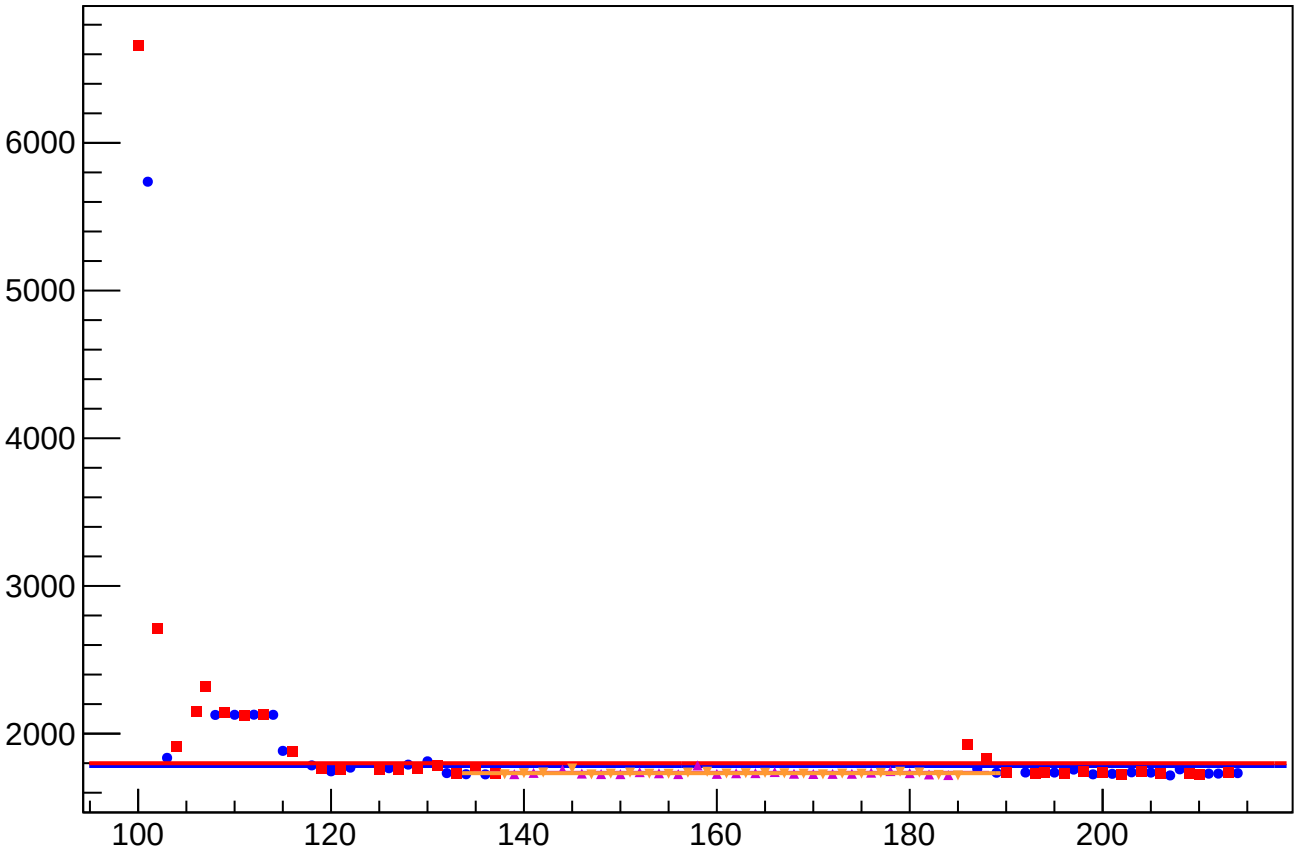
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 253.488+/-297.249 χ^2/NDF: 52.9/61

In: 37.280+/-291.543 χ^2/NDF:54.2/52

Out: 534.664+/-290.677 χ^2/NDF:47.3/55

All: 286.712+/-205.845 χ^2/NDF: 102.9/108



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

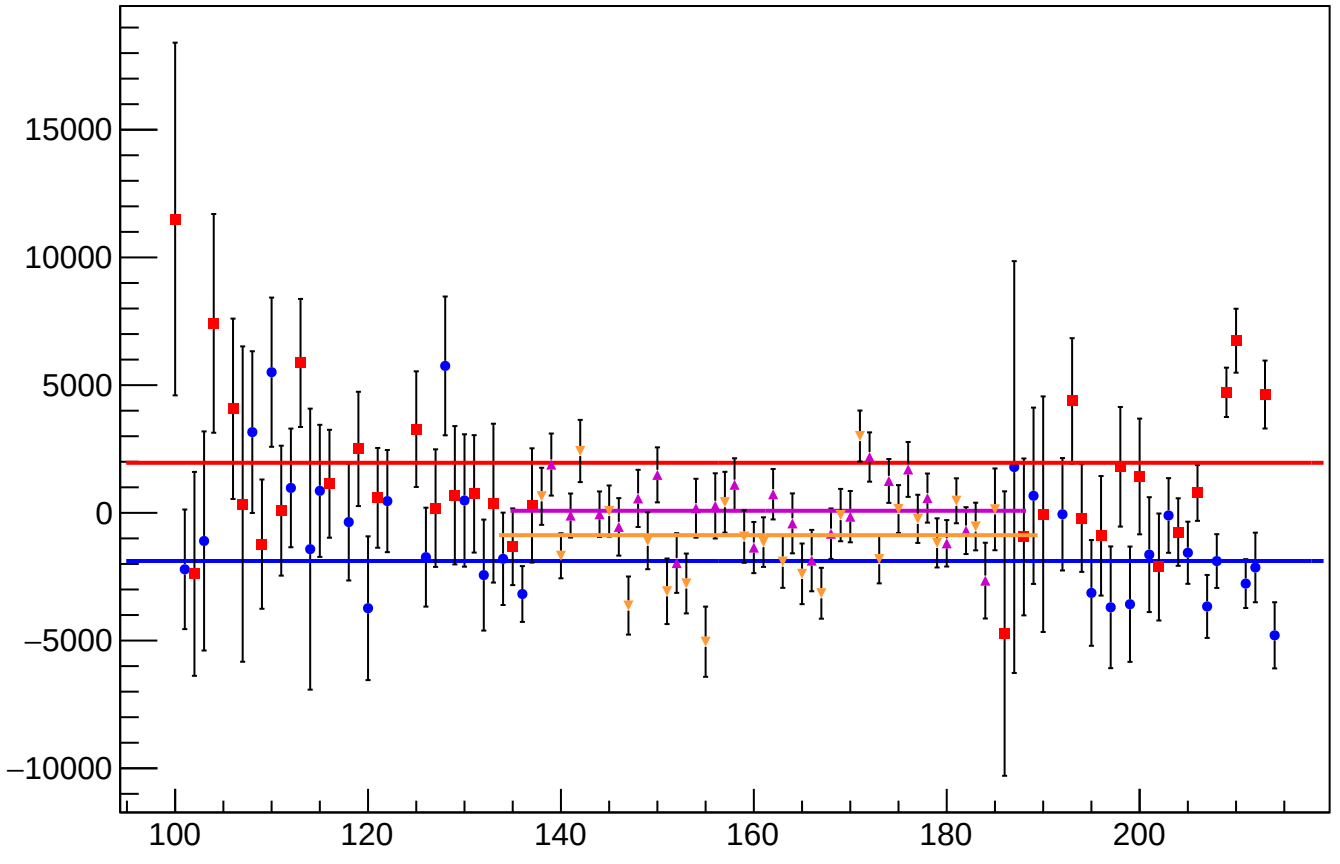
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1790.358+/-0.210 χ^2/NDF: 1061668.0/61

In: 1756.949+/-0.206 χ^2/NDF:734358.6/52

Out: 1764.531+/-0.206 χ^2/NDF:367910.3/55

All: 1760.751+/-0.146 χ^2/NDF: 1102947.3/10



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

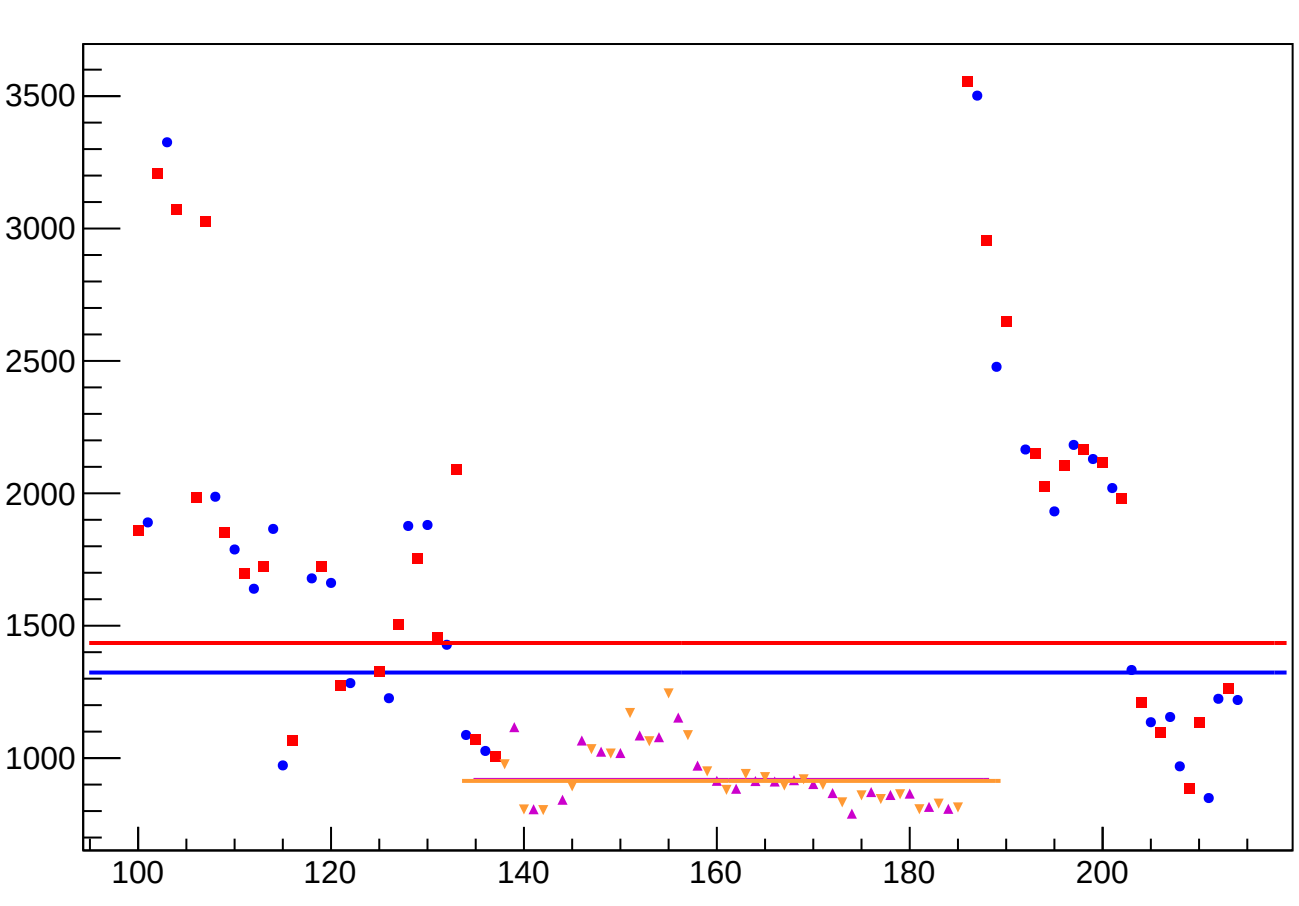
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -121.070+/-240.790 χ^2/NDF: 159.5/61

In: -514.660+/-180.220 χ^2/NDF:91.8/52

Out: -119.398+/-183.360 χ^2/NDF:168.1/55

All: -320.442+/-128.530 χ^2/NDF: 262.2/108



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

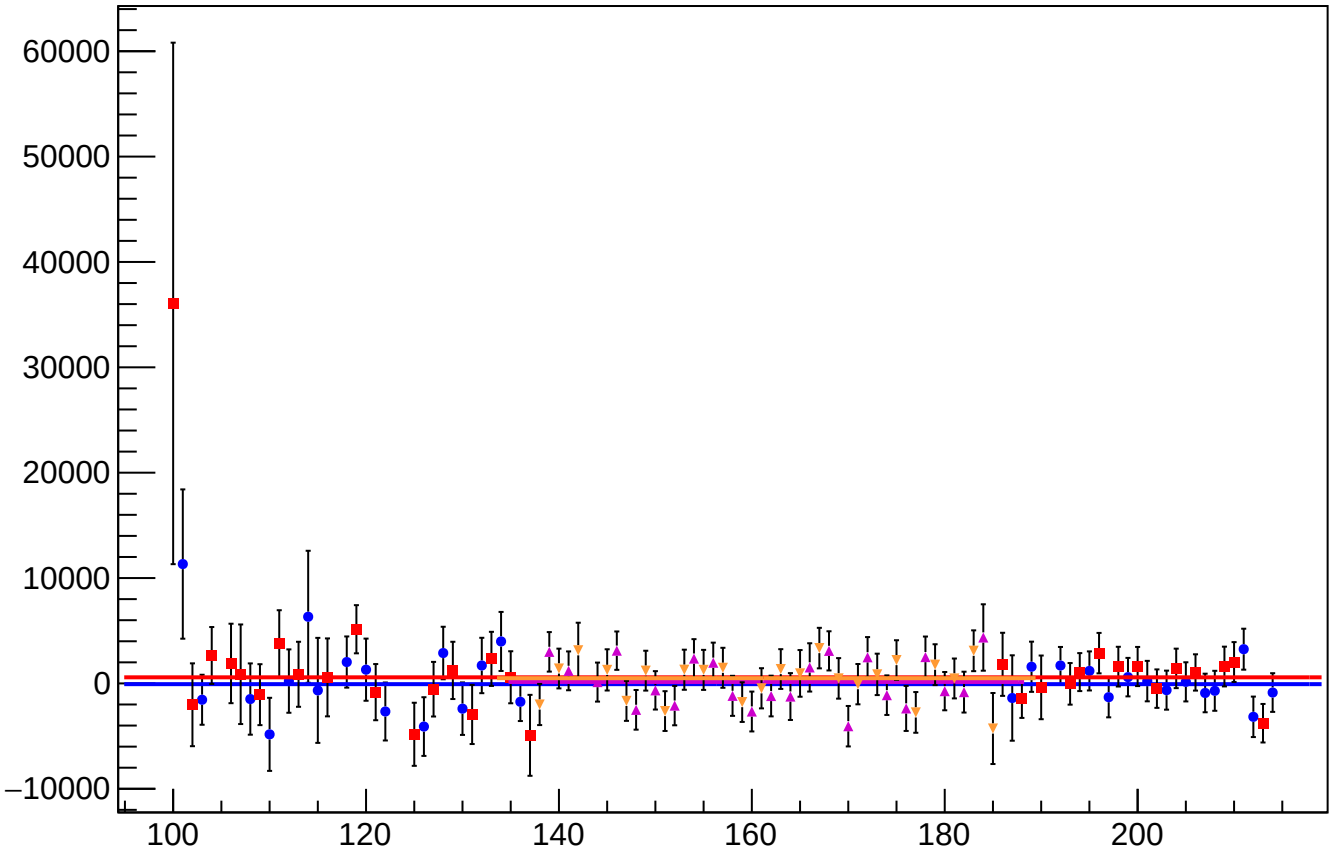
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1374.318+/-0.170 χ^2/NDF: 8076788.7/61

In: 1040.652+/-0.127 χ^2/NDF:6168365.1/52

Out: 1052.397+/-0.130 χ^2/NDF:7984408.2/55

All: 1046.423+/-0.091 χ^2/NDF: 14156947.5/1



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

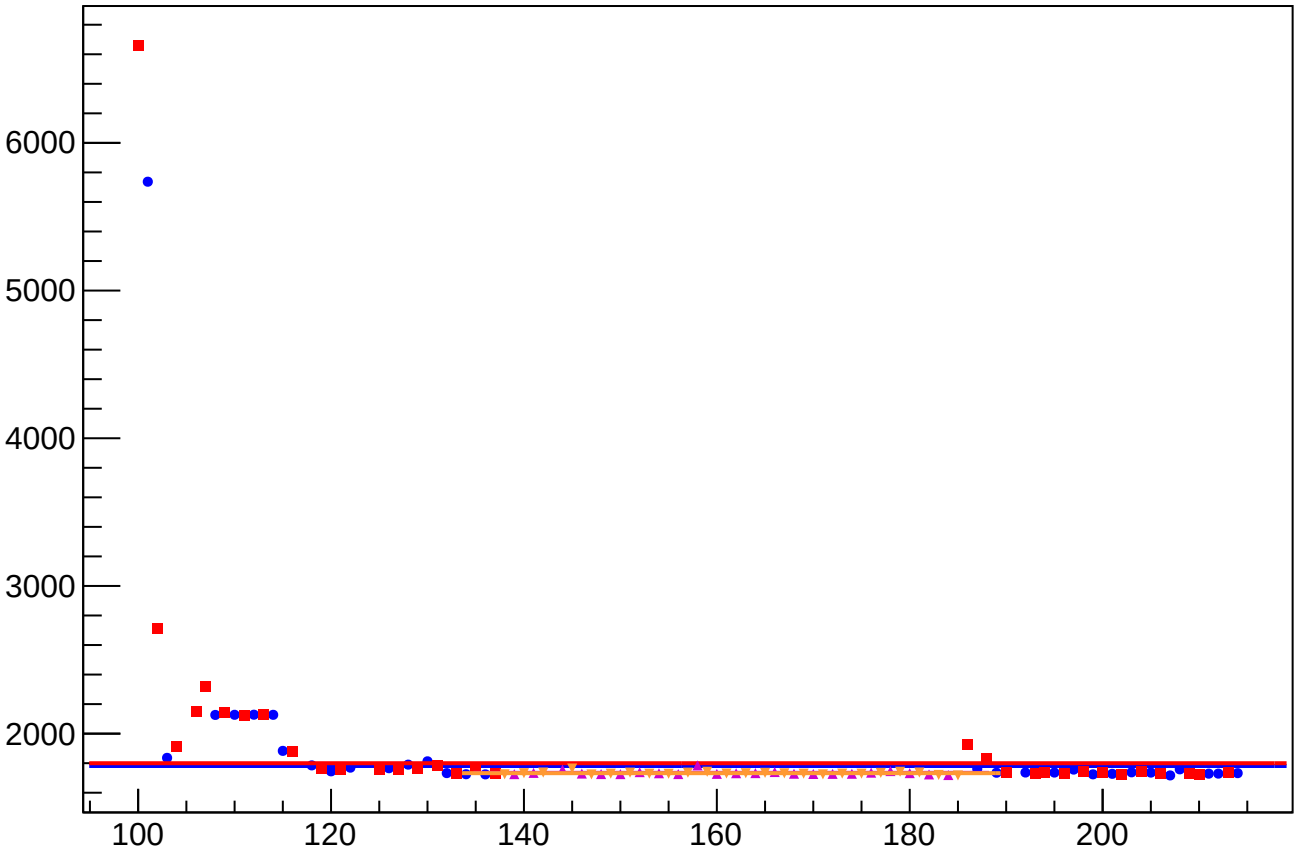
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 253.488+/-297.249 χ^2/NDF: 52.9/61

In: 37.280+/-291.543 χ^2/NDF:54.2/52

Out: 534.663+/-290.677 χ^2/NDF:47.3/55

All: 286.712+/-205.845 χ^2/NDF: 102.9/108



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

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

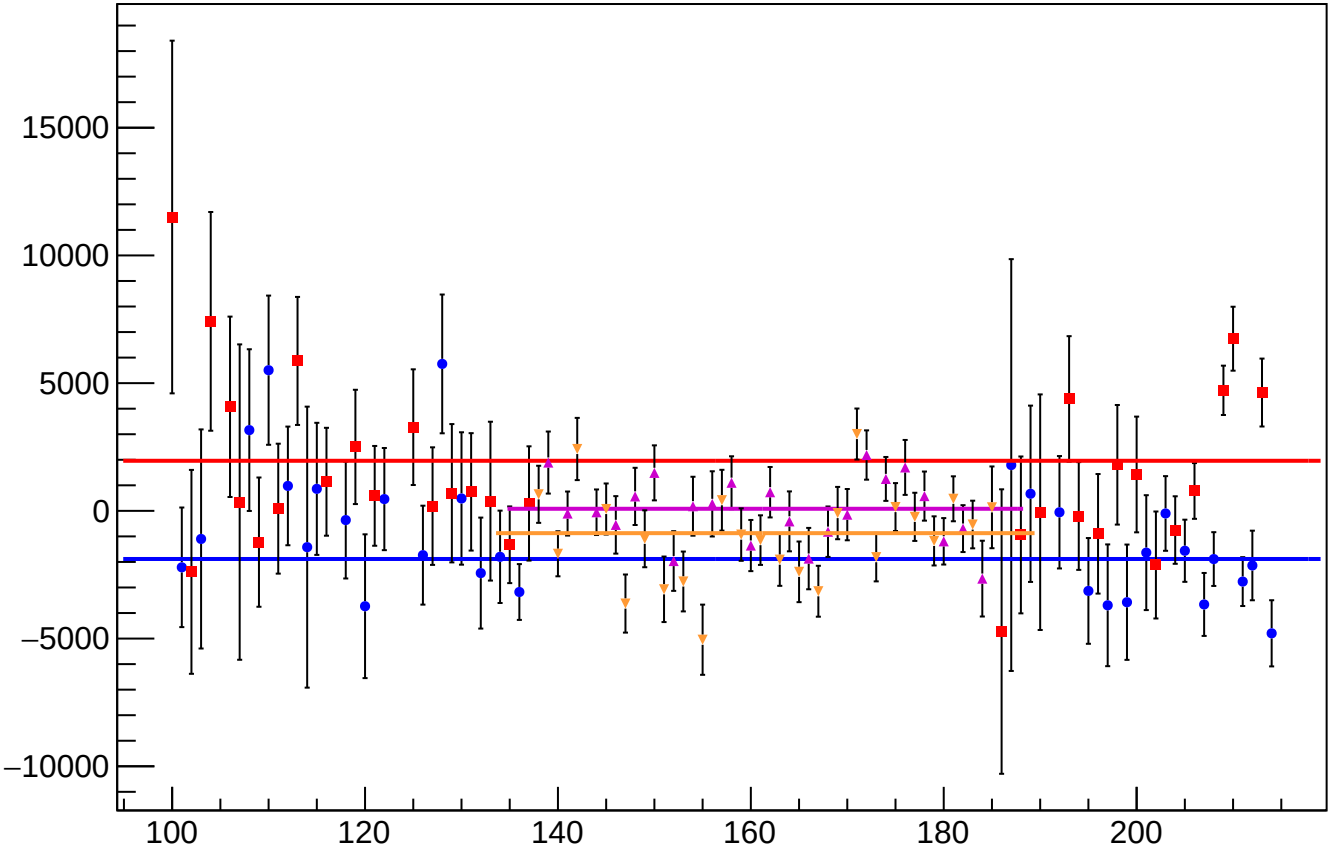
Right: 1790.358+/-0.210 χ^2/NDF: 1061667.7/61

In: 1756.949+/-0.206 χ^2/NDF:734358.6/52

Out: 1764.531+/-0.206 χ^2/NDF:367910.0/55

All: 1760.751+/-0.146 χ^2/NDF: 1102946.9/10

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

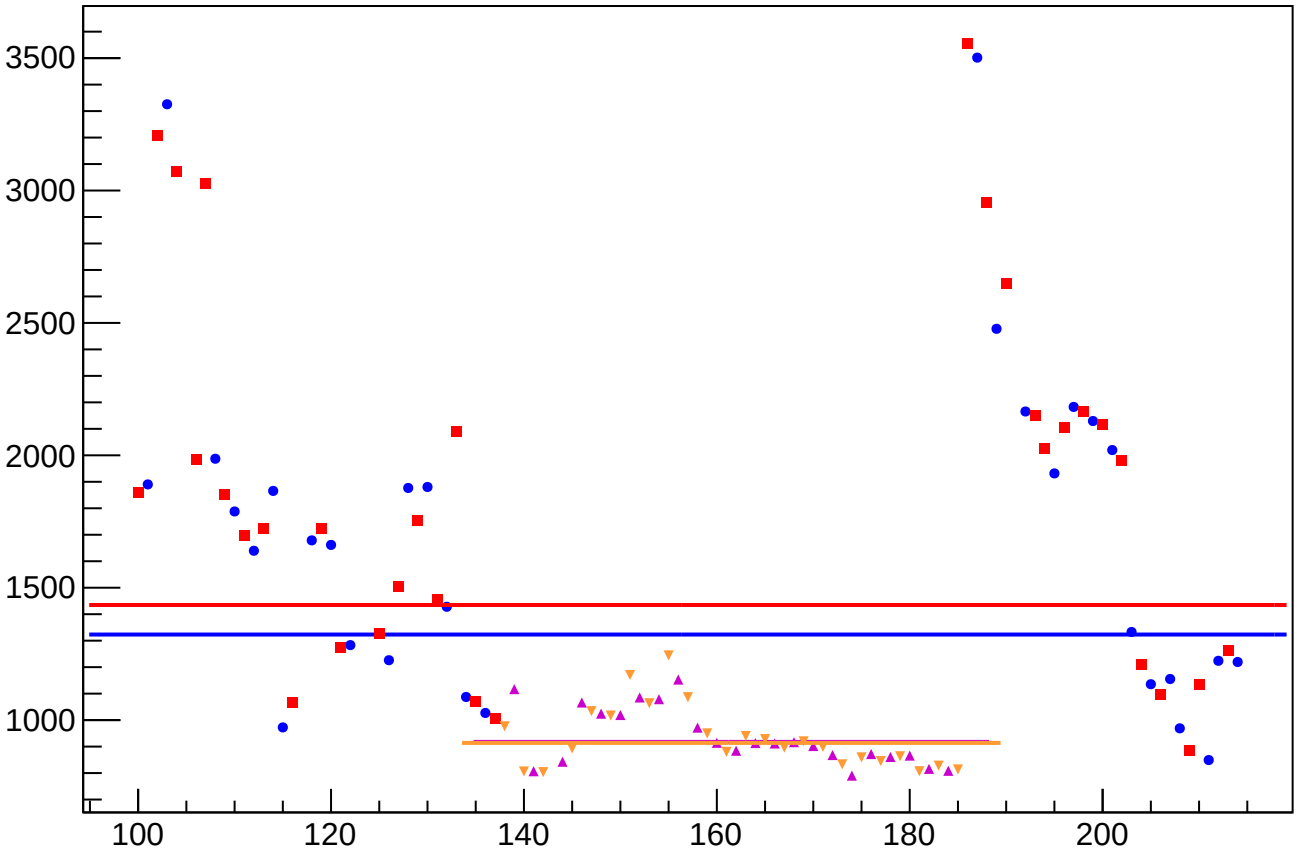
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -121.065+/-240.789 χ^2/NDF: 159.5/61

In: -514.660+/-180.220 χ^2/NDF:91.8/52

Out: -119.395+/-183.359 χ^2/NDF:168.1/55

All: -320.441+/-128.530 χ^2/NDF: 262.2/108



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

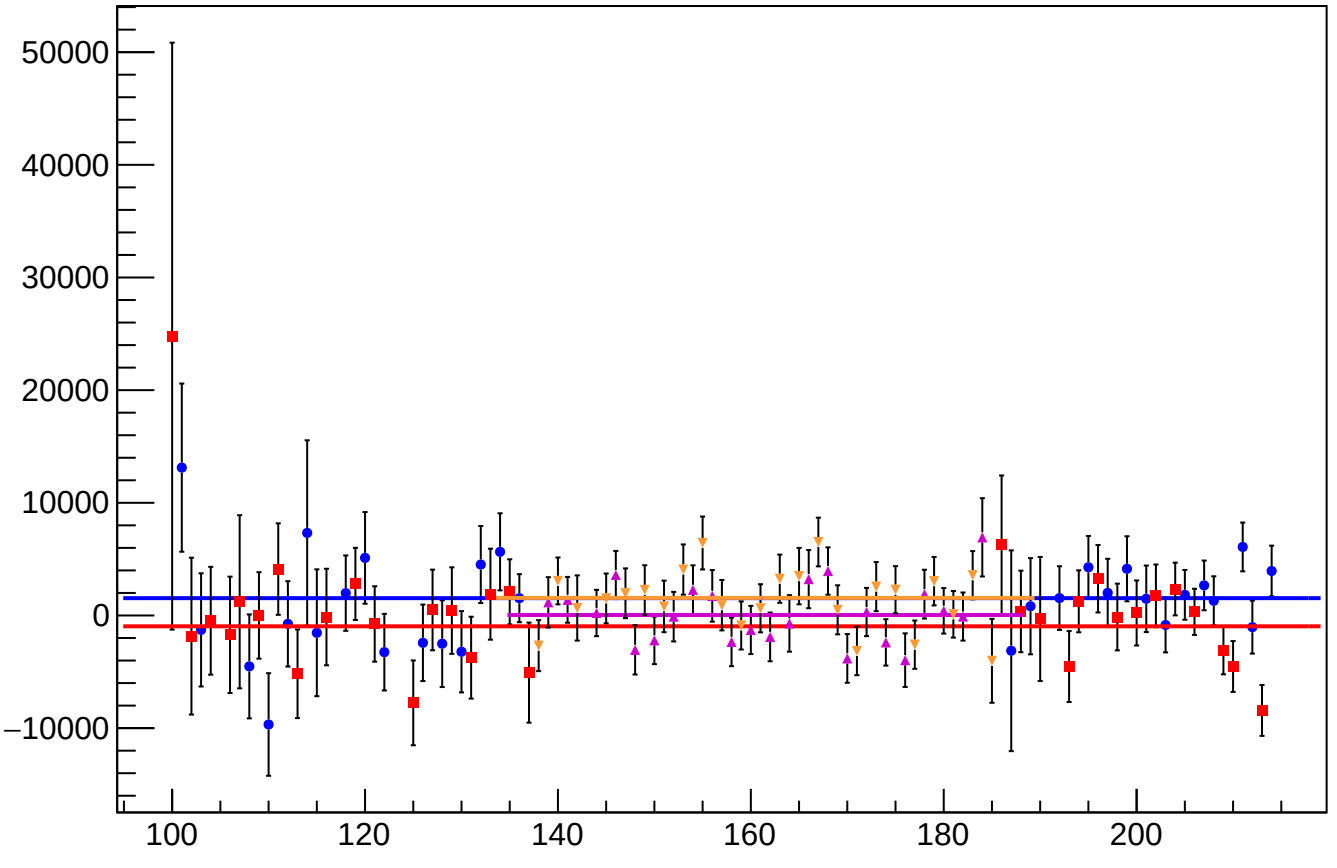
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1374.316+/-0.170 χ^2/NDF: 8076796.4/61

In: 1040.651+/-0.127 χ^2/NDF:6168368.0/52

Out: 1052.397+/-0.130 χ^2/NDF:7984413.9/55

All: 1046.423+/-0.091 χ^2/NDF: 14156956.0/1



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

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

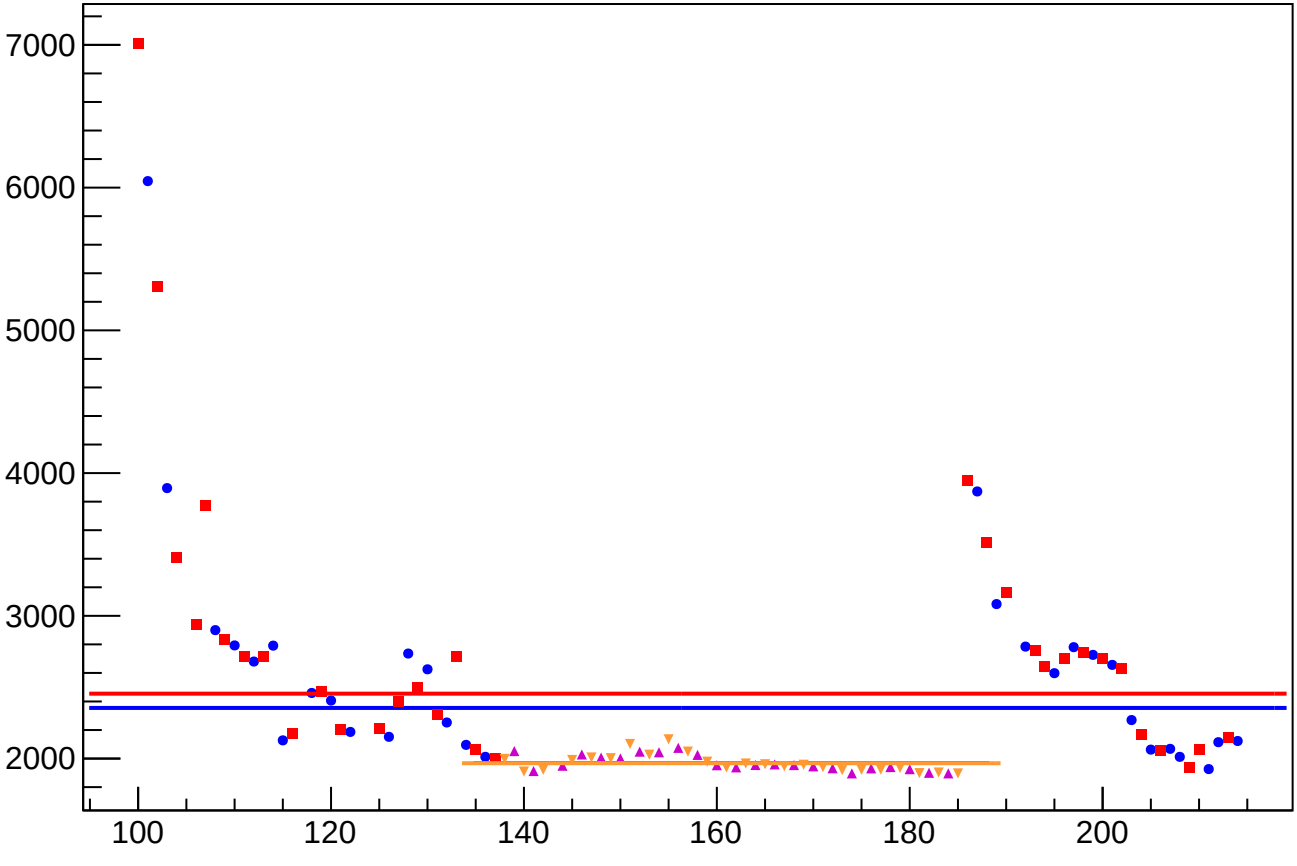
Right: 332.198+/-403.743 χ^2/NDF: 76.0/61

In: 641.663+/-355.709 χ^2/NDF:63.0/52

Out: 598.137+/-359.232 χ^2/NDF:78.3/55

All: 620.115+/-252.760 χ^2/NDF: 141.4/108

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



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

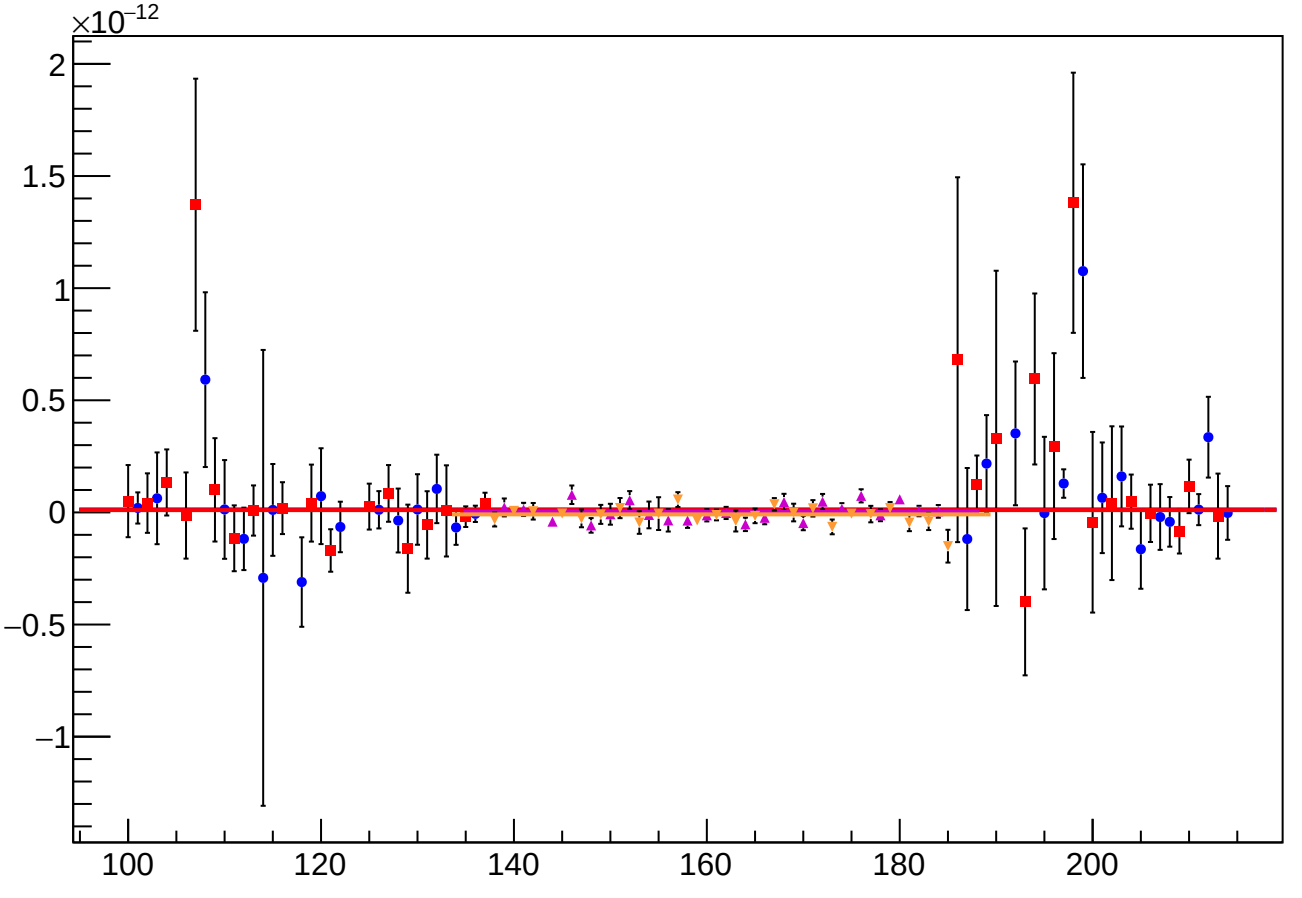
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2402.999+/-0.285 χ^2/NDF: 2812697.8/61

In: 2124.055+/-0.252 χ^2/NDF:1961402.9/52

Out: 2153.473+/-0.254 χ^2/NDF:2315616.1/55

All: 2138.619+/-0.179 χ^2/NDF: 4283791.3/10



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

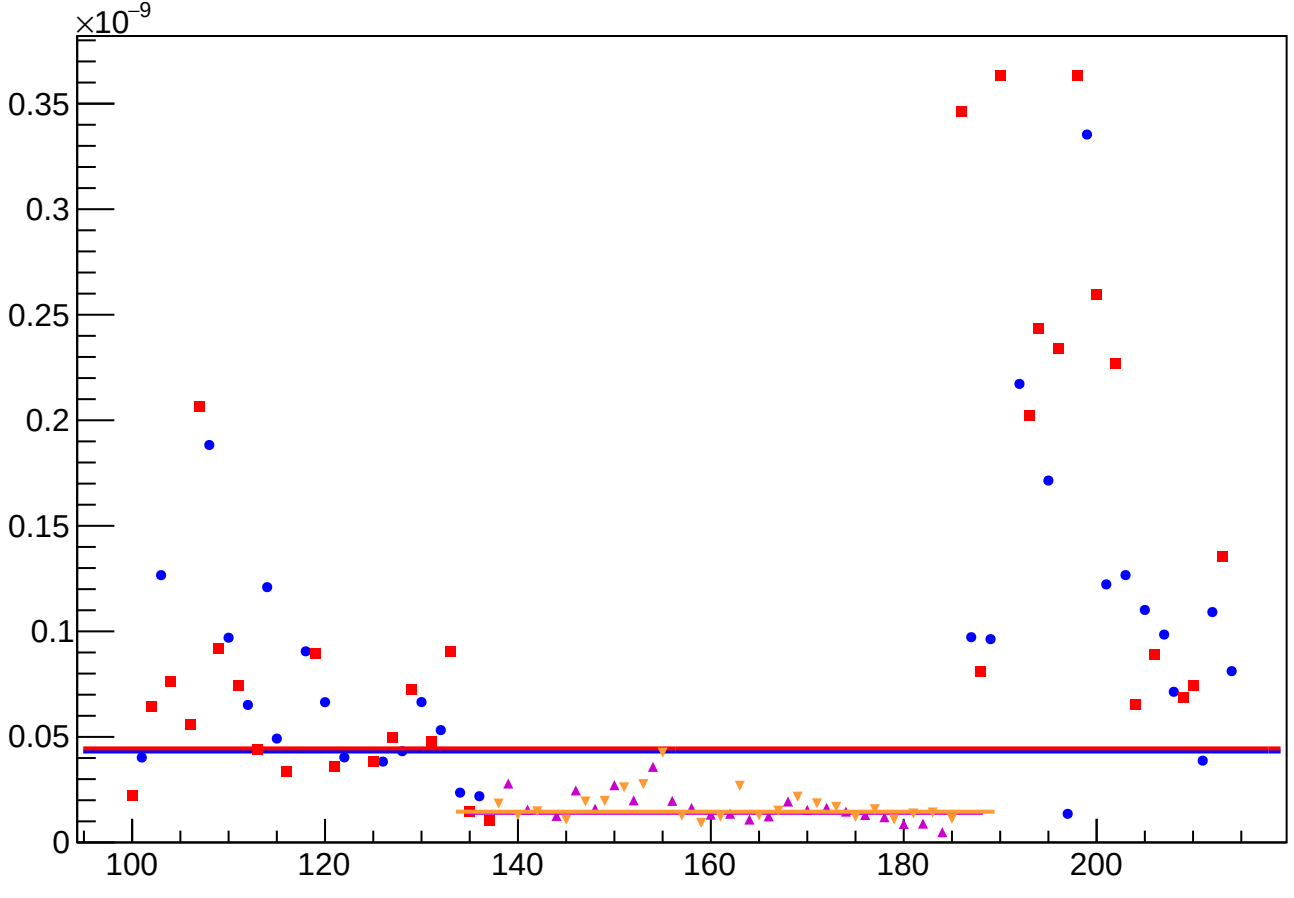
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 50.6/61

In: 0.000+/-0.000 χ^2/NDF:63.0/52

Out: -0.000+/-0.000 χ^2/NDF:48.2/55

All: -0.000+/-0.000 χ^2/NDF: 112.7/108



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

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

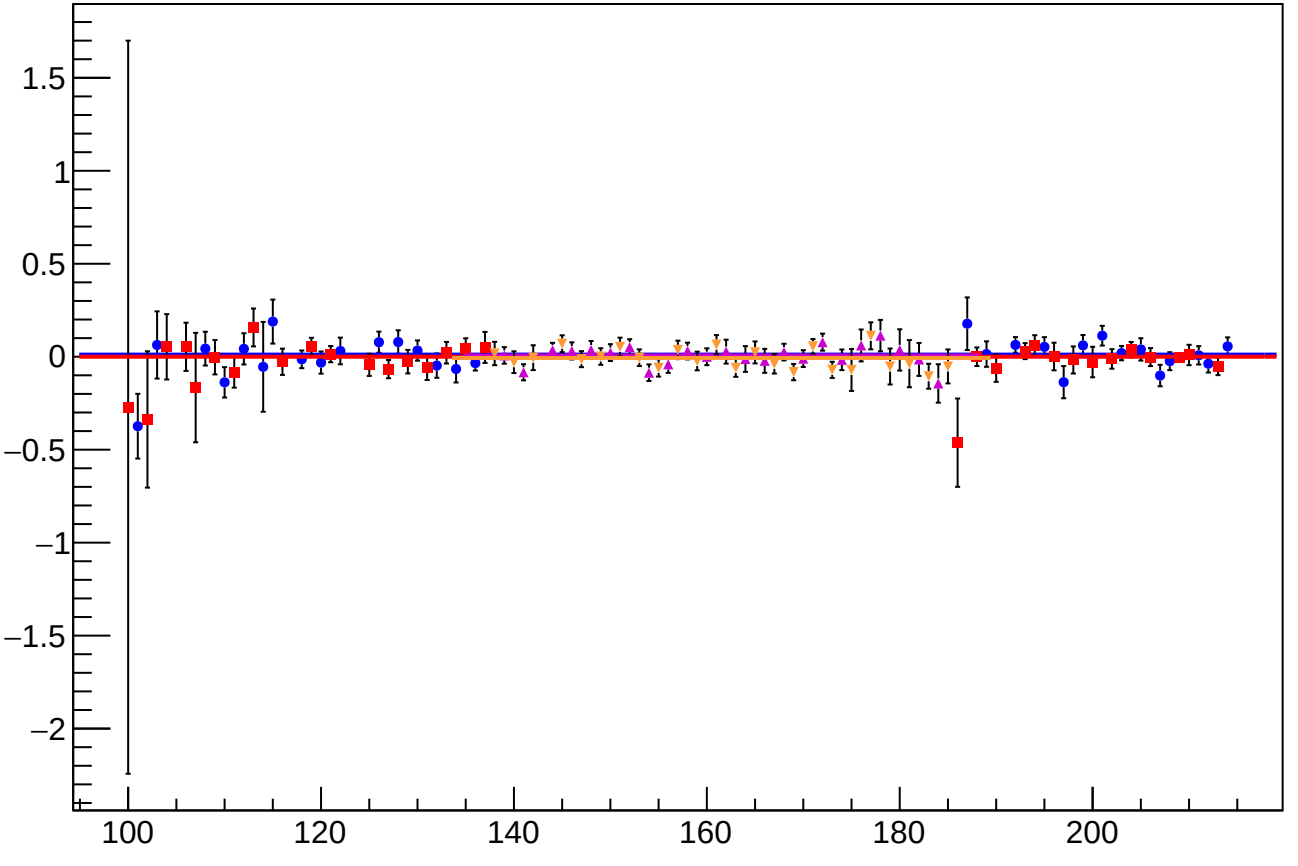
Right: 0.000+/-0.000 χ^2/NDF: 13336706.7/61

In: 0.000+/-0.000 χ^2/NDF:10945802.2/52

Out: 0.000+/-0.000 χ^2/NDF:12288482.9/55

All: 0.000+/-0.000 χ^2/NDF: 23238074.5/108

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

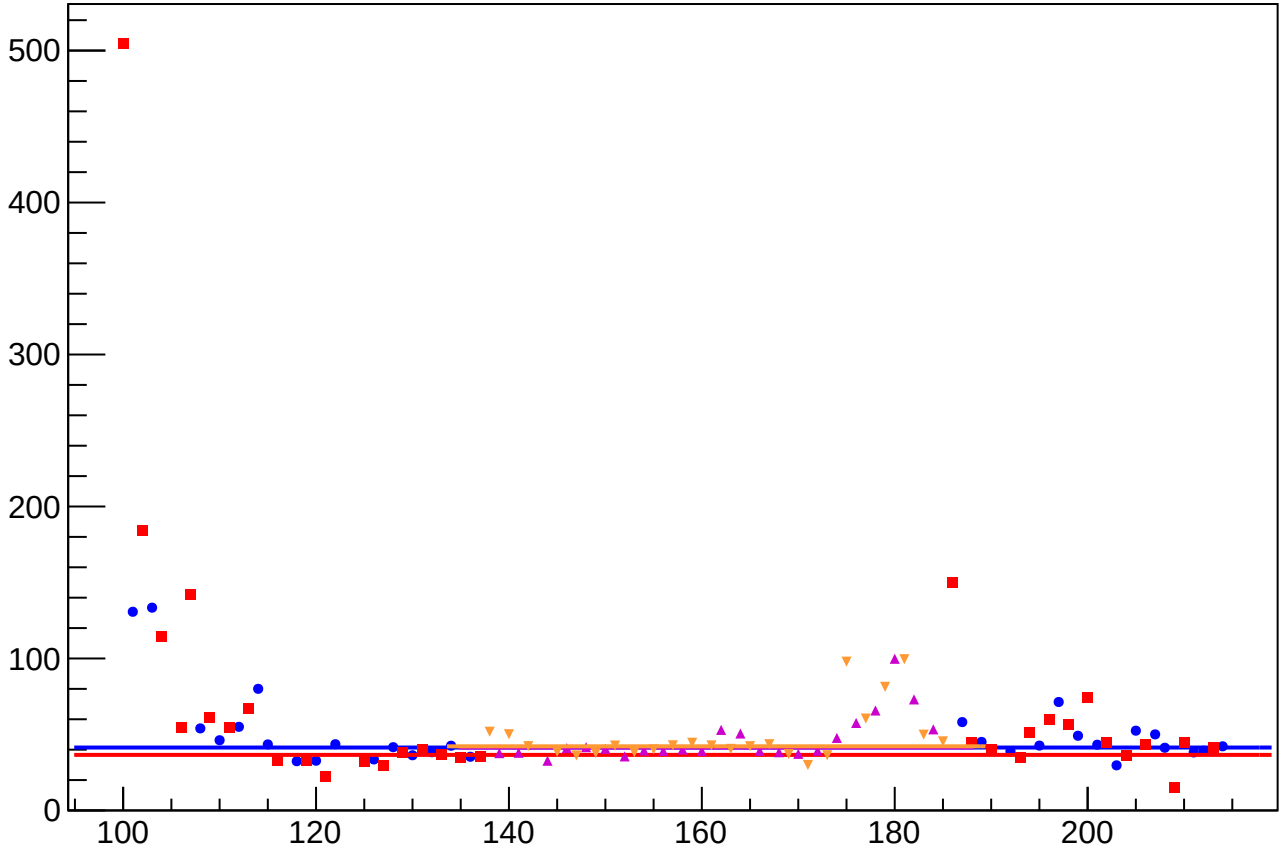
Right: 0.005+/-0.008 χ^2/NDF: 54.9/61

In: 0.009+/-0.008 χ^2/NDF:55.3/52

Out: -0.003+/-0.008 χ^2/NDF:43.3/55

All: 0.003+/-0.005 χ^2/NDF: 99.9/108

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

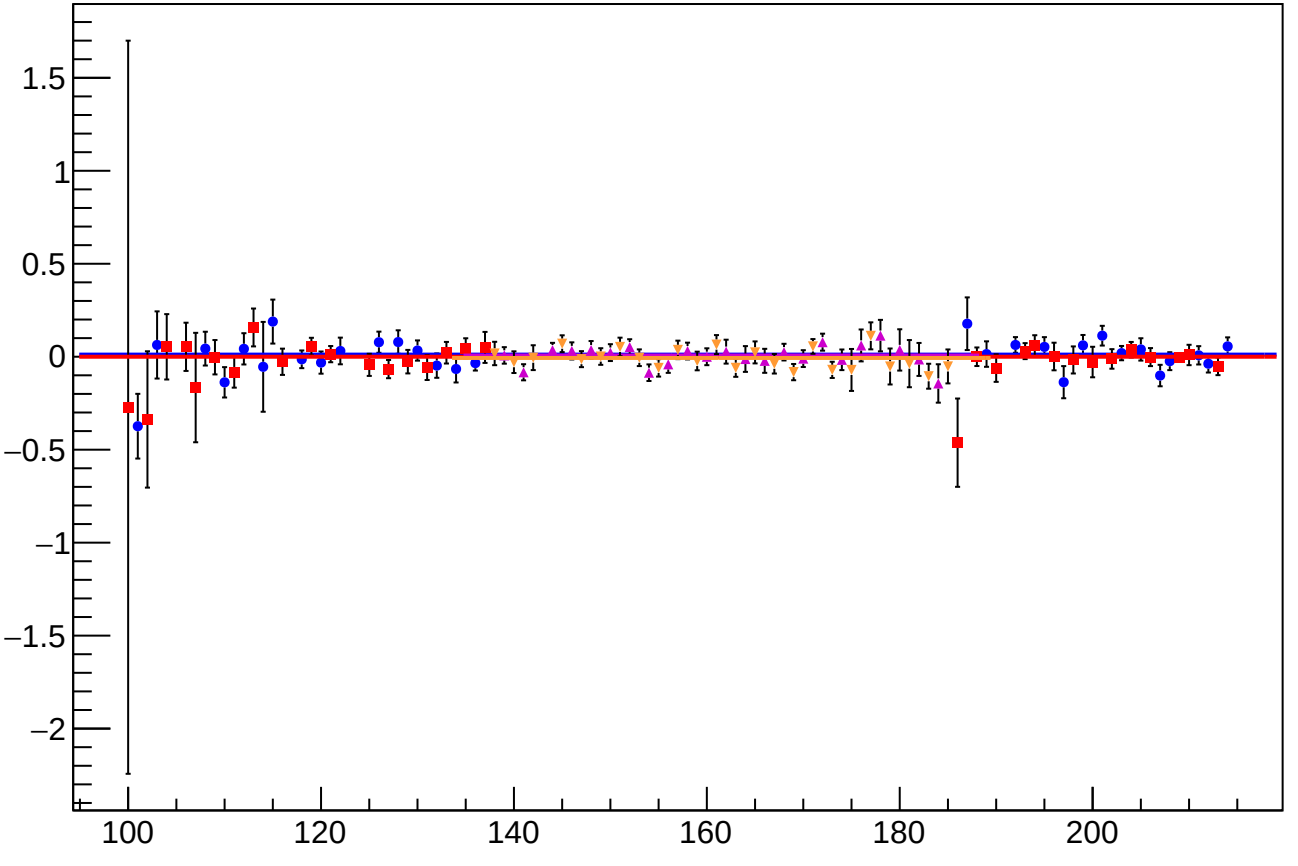
Right: 38.860+/-0.005 χ^2/NDF: 7158315.0/61

In: 41.414+/-0.005 χ^2/NDF:3464626.9/52

Out: 39.239+/-0.005 χ^2/NDF:6999345.0/55

All: 40.306+/-0.004 χ^2/NDF: 10546117.3/108

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

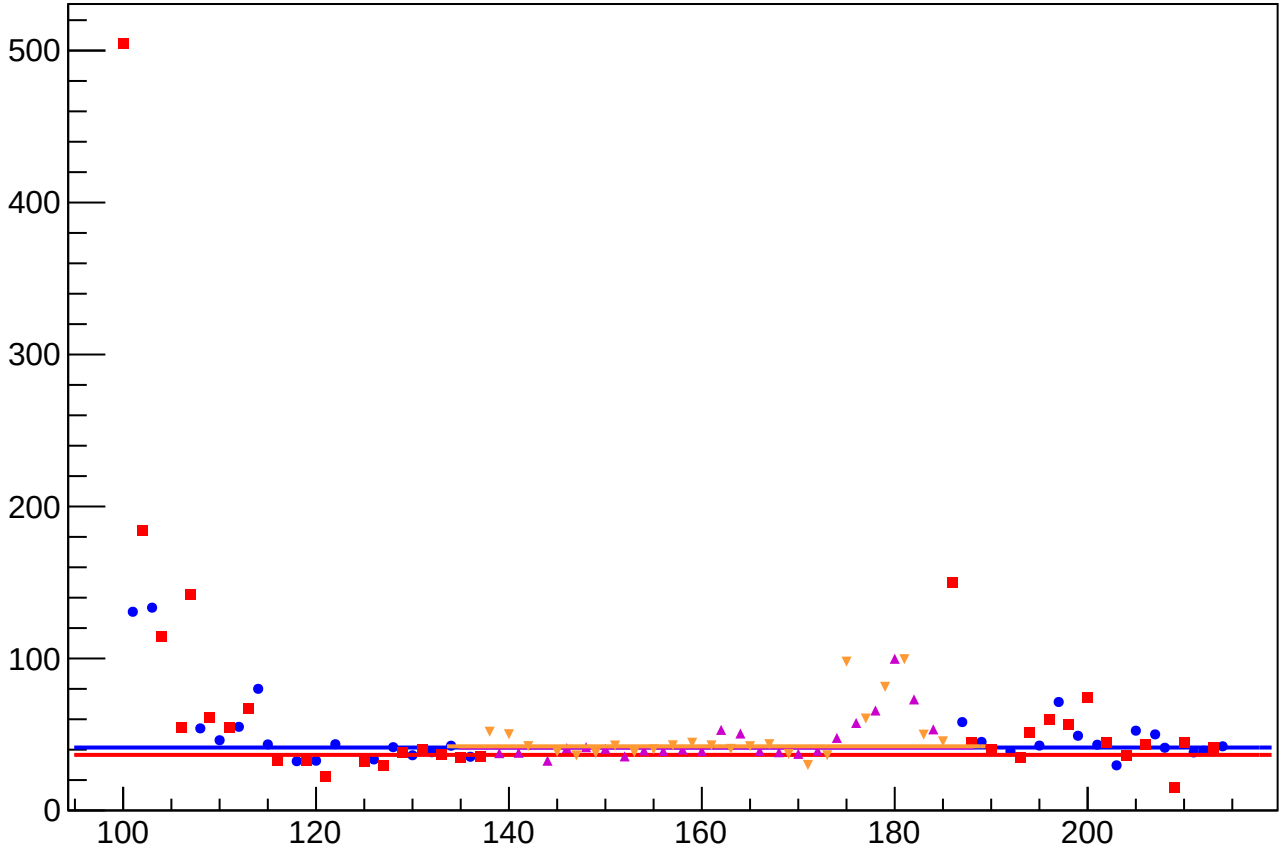
Right: 0.005+/-0.008 χ^2/NDF: 54.9/61

In: 0.009+/-0.008 χ^2/NDF:55.3/52

Out: -0.003+/-0.008 χ^2/NDF:43.3/55

All: 0.003+/-0.005 χ^2/NDF: 99.9/108

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

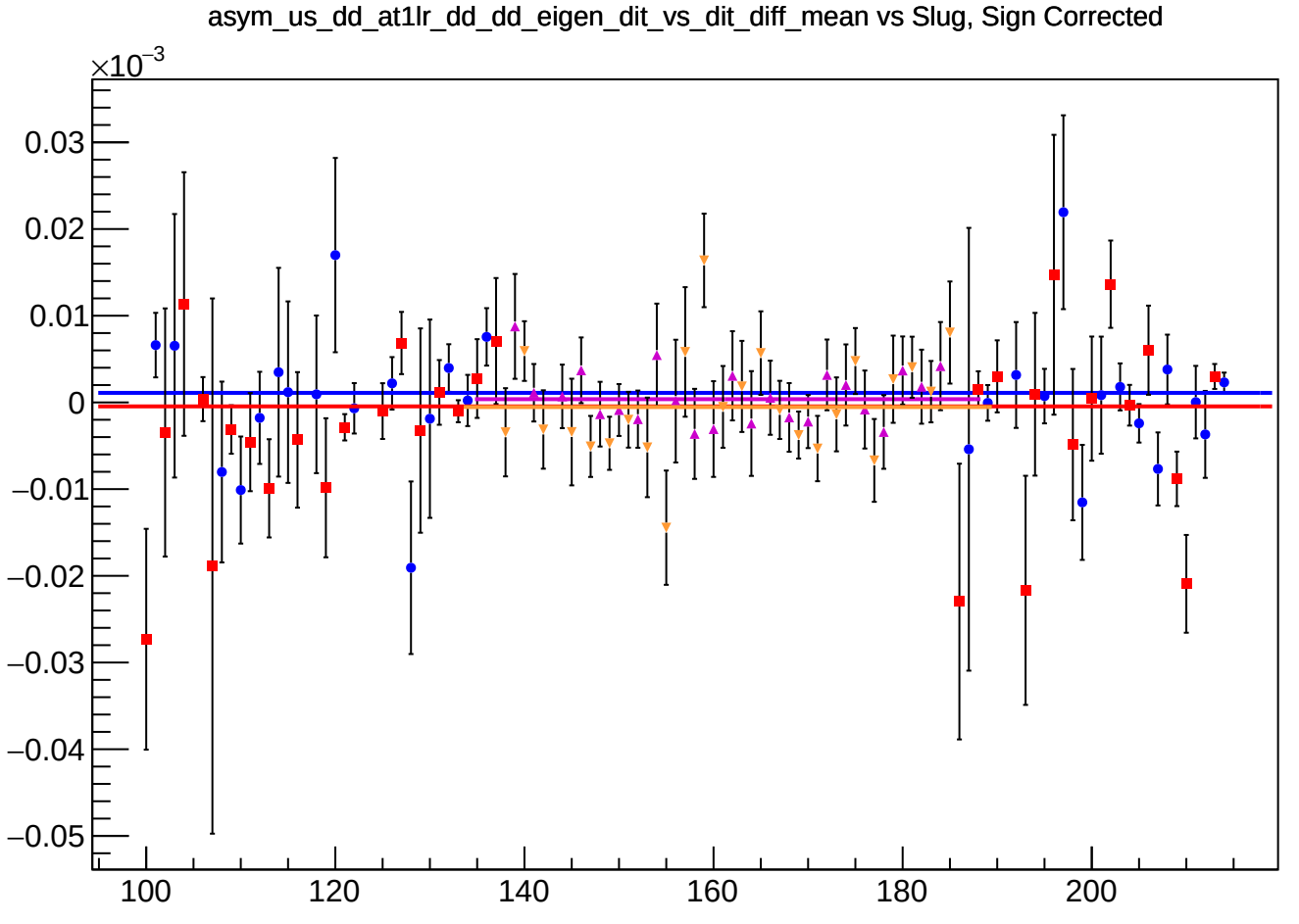
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.860+/-0.005 χ^2/NDF: 7158315.0/61

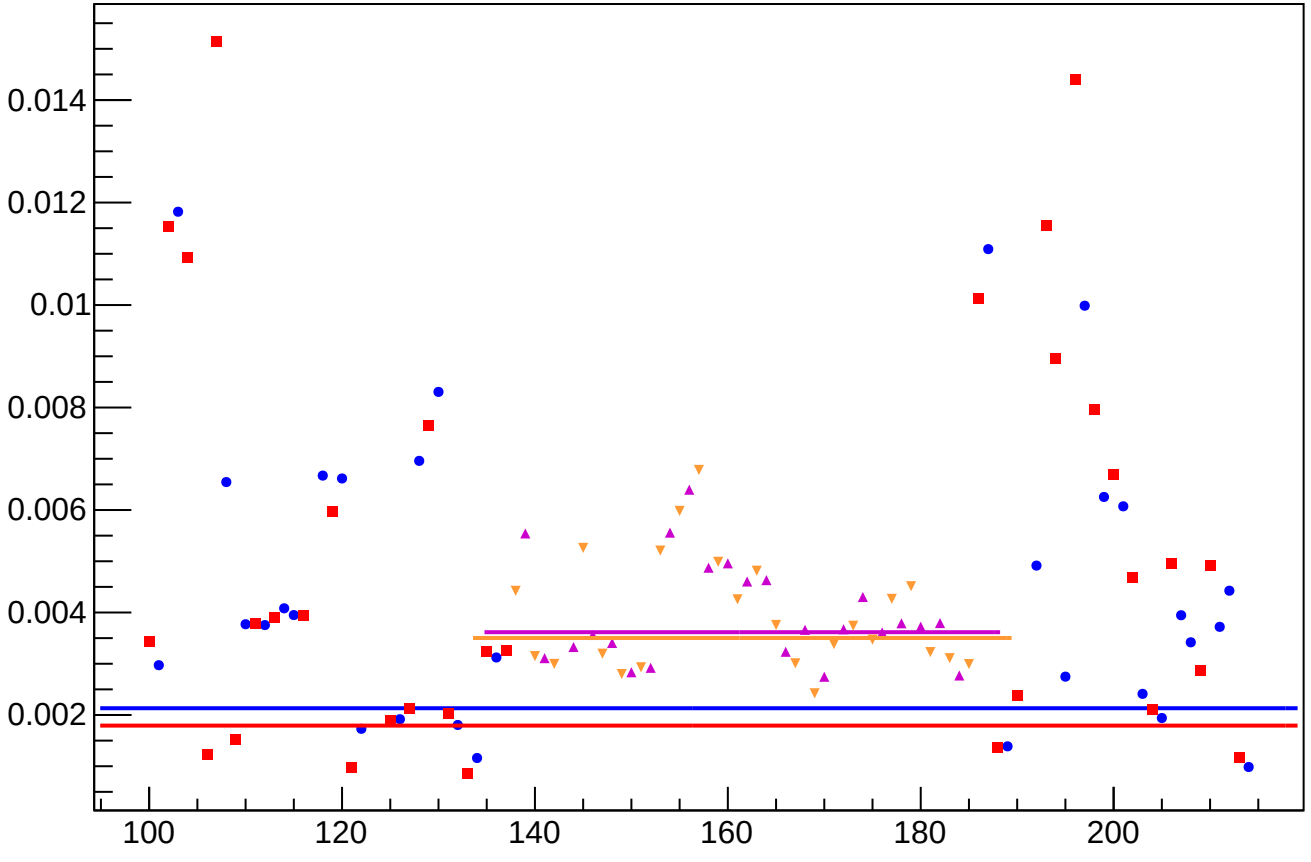
In: 41.414+/-0.005 χ^2/NDF:3464626.9/52

Out: 39.239+/-0.005 χ^2/NDF:6999345.0/55

All: 40.306+/-0.004 χ^2/NDF: 10546117.3/108


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 35.5/29
Left Out: -0.000+/-0.000 χ²/NDF:36.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 62.9/31
Left In: 0.000+/-0.000 χ²/NDF:9.7/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/46
Right: 0.000+/-0.000 χ²/NDF: 101.7/61
In: 0.000+/-0.000 χ²/NDF:45.6/52
Out: -0.000+/-0.000 χ²/NDF:99.7/55
All: 0.000+/-0.000 χ²/NDF: 149.0/108

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

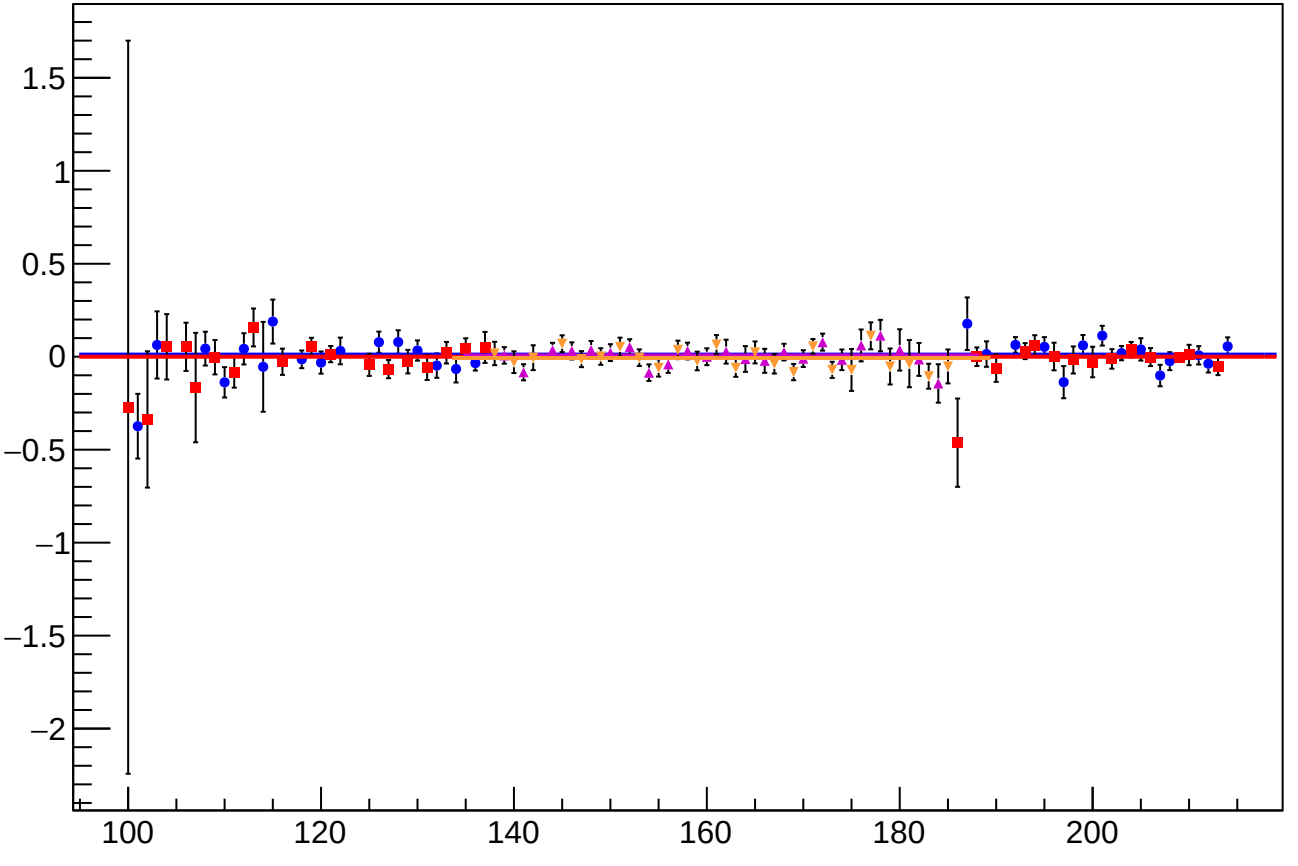
Right: 0.002+/-0.000 χ^2/NDF: 25862587.9/61

In: 0.003+/-0.000 χ^2/NDF:16372716.2/52

Out: 0.002+/-0.000 χ^2/NDF:22429471.0/55

All: 0.002+/-0.000 χ^2/NDF: 39171042.3/108

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

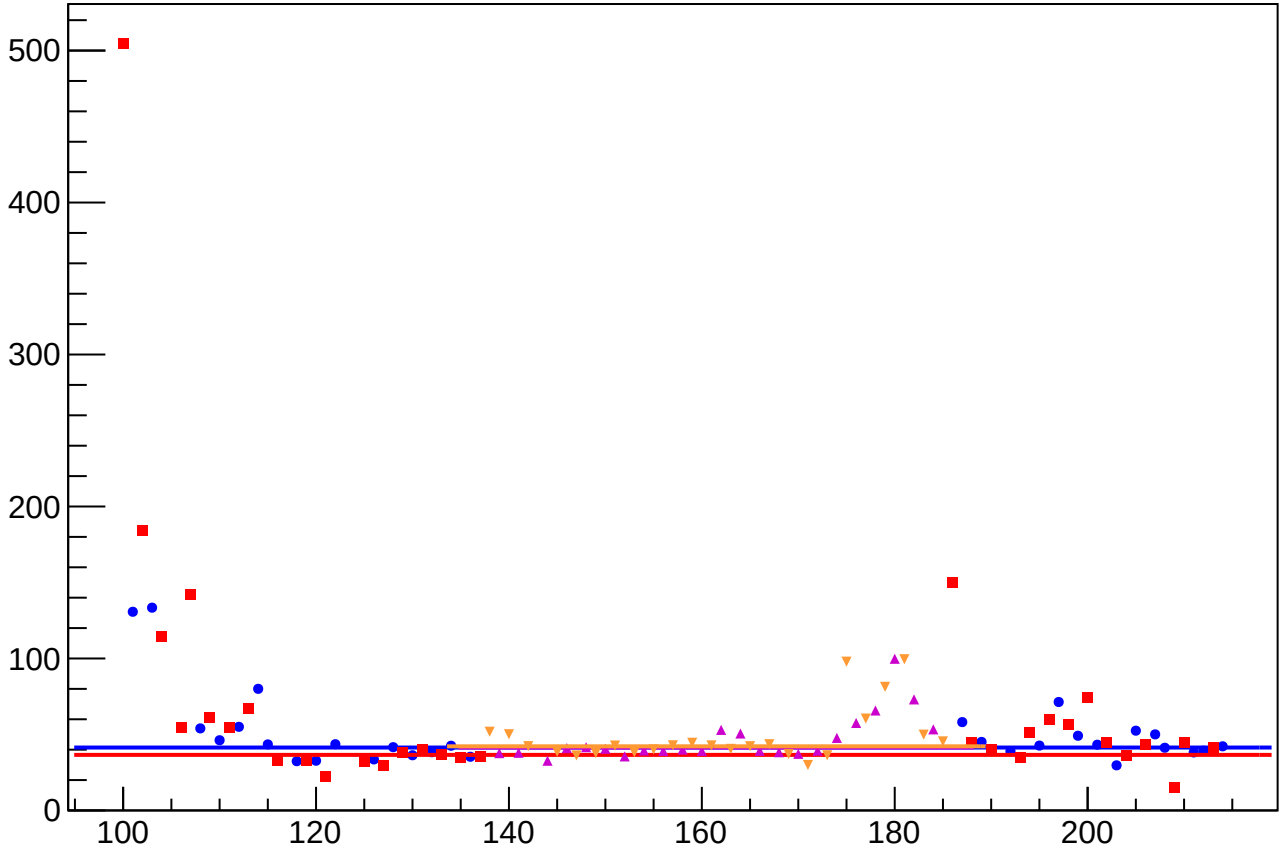
Right: 0.005+/-0.008 χ^2/NDF: 54.9/61

In: 0.009+/-0.008 χ^2/NDF:55.3/52

Out: -0.003+/-0.008 χ^2/NDF:43.3/55

All: 0.003+/-0.005 χ^2/NDF: 99.9/108

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

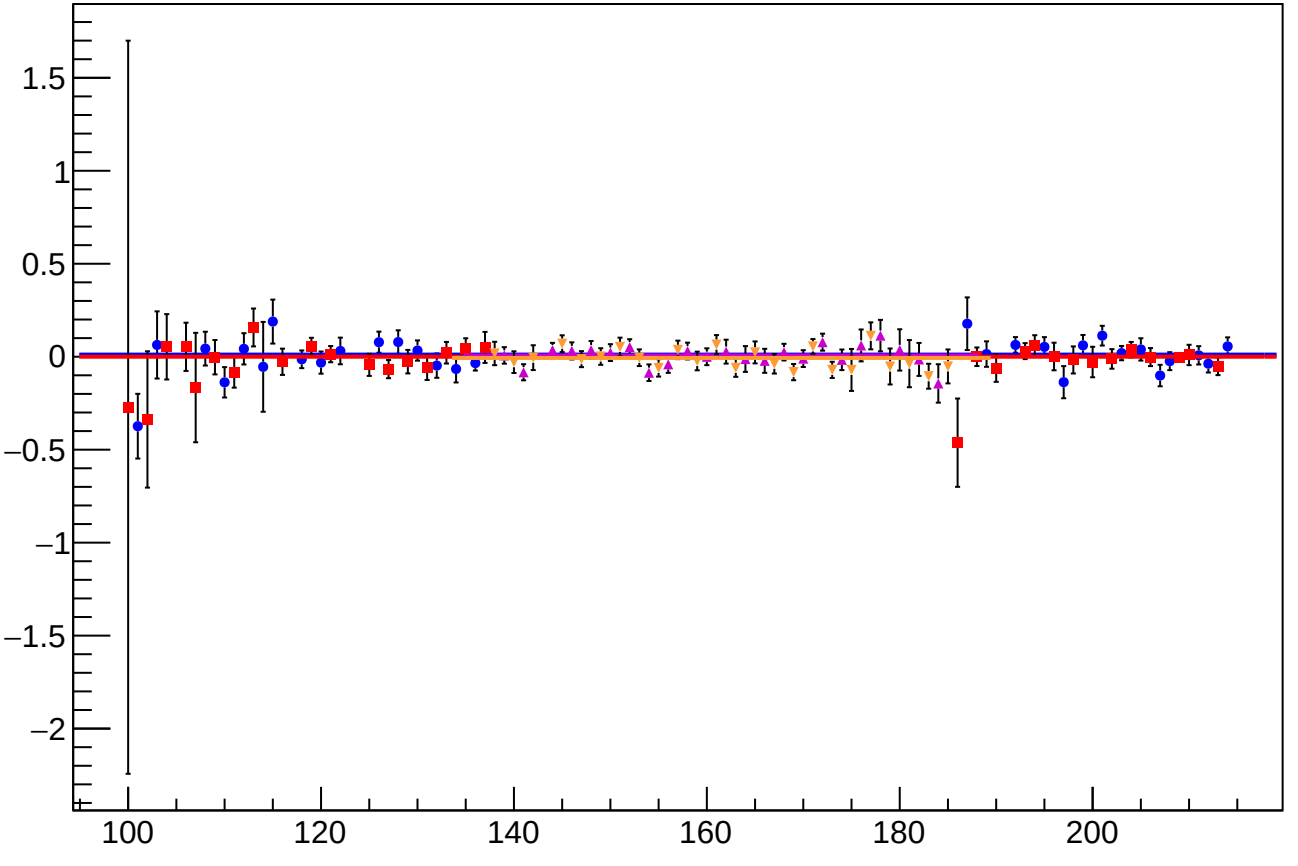
Right: 38.862+/-0.005 χ^2/NDF: 7155349.6/61

In: 41.414+/-0.005 χ^2/NDF:3464476.2/52

Out: 39.241+/-0.005 χ^2/NDF:6996359.4/55

All: 40.308+/-0.004 χ^2/NDF: 10542811.4/108

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

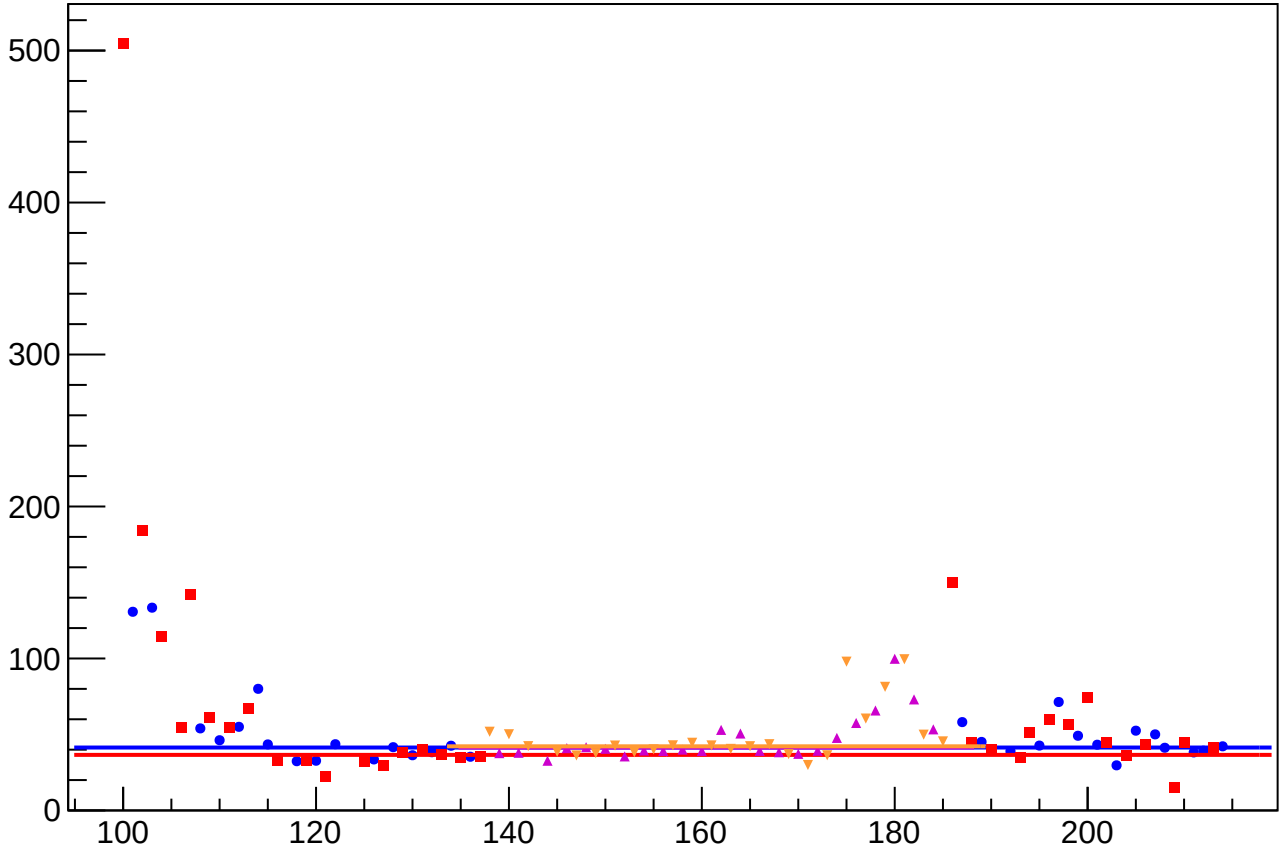
Right: 0.005+/-0.008 χ^2/NDF: 54.9/61

In: 0.009+/-0.008 χ^2/NDF:55.3/52

Out: -0.003+/-0.008 χ^2/NDF:43.3/55

All: 0.003+/-0.005 χ^2/NDF: 99.9/108

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

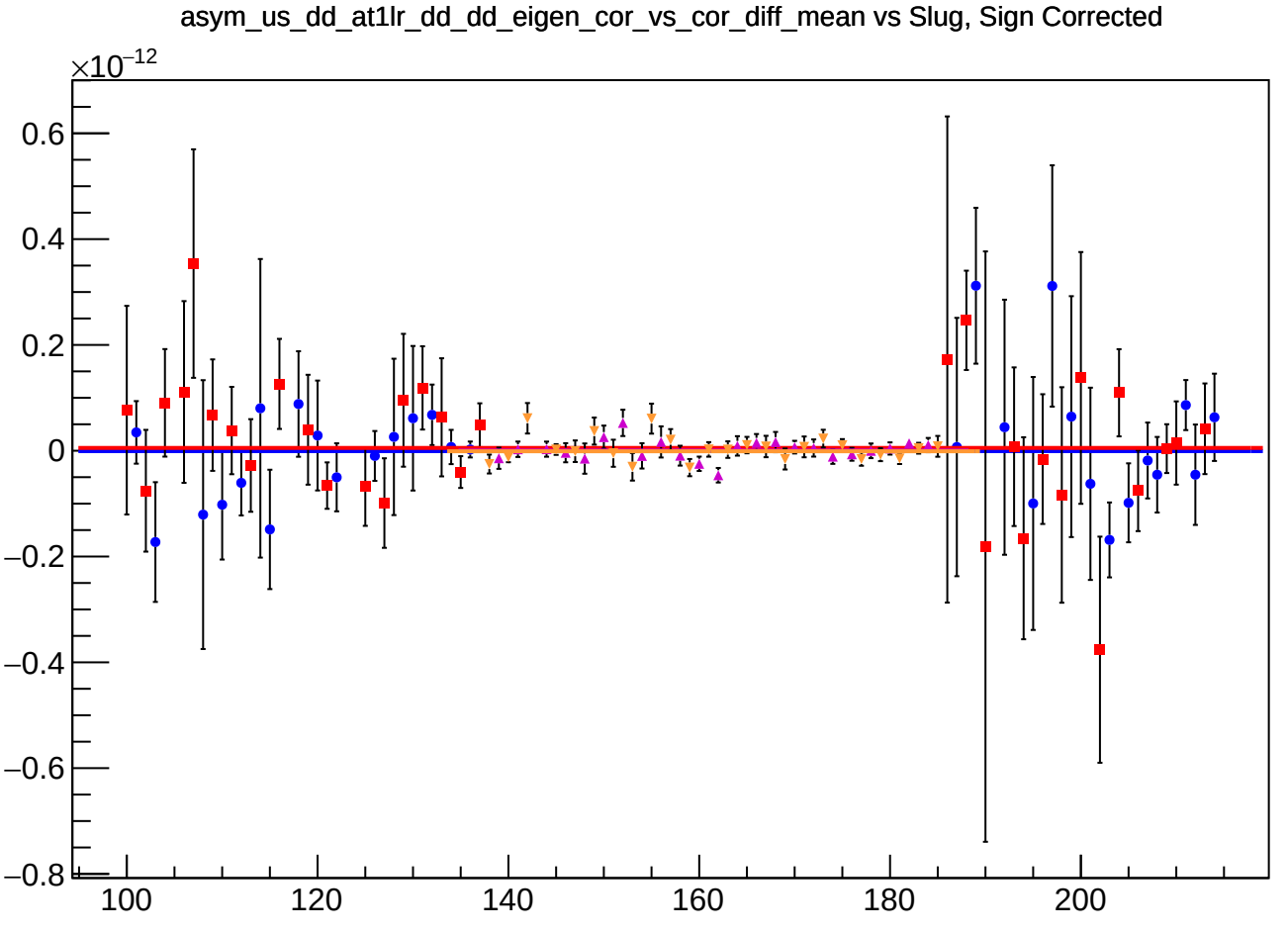
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 38.862+/-0.005 χ^2/NDF: 7155349.6/61

In: 41.414+/-0.005 χ^2/NDF:3464476.2/52

Out: 39.241+/-0.005 χ^2/NDF:6996359.4/55

All: 40.308+/-0.004 χ^2/NDF: 10542811.4/108



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

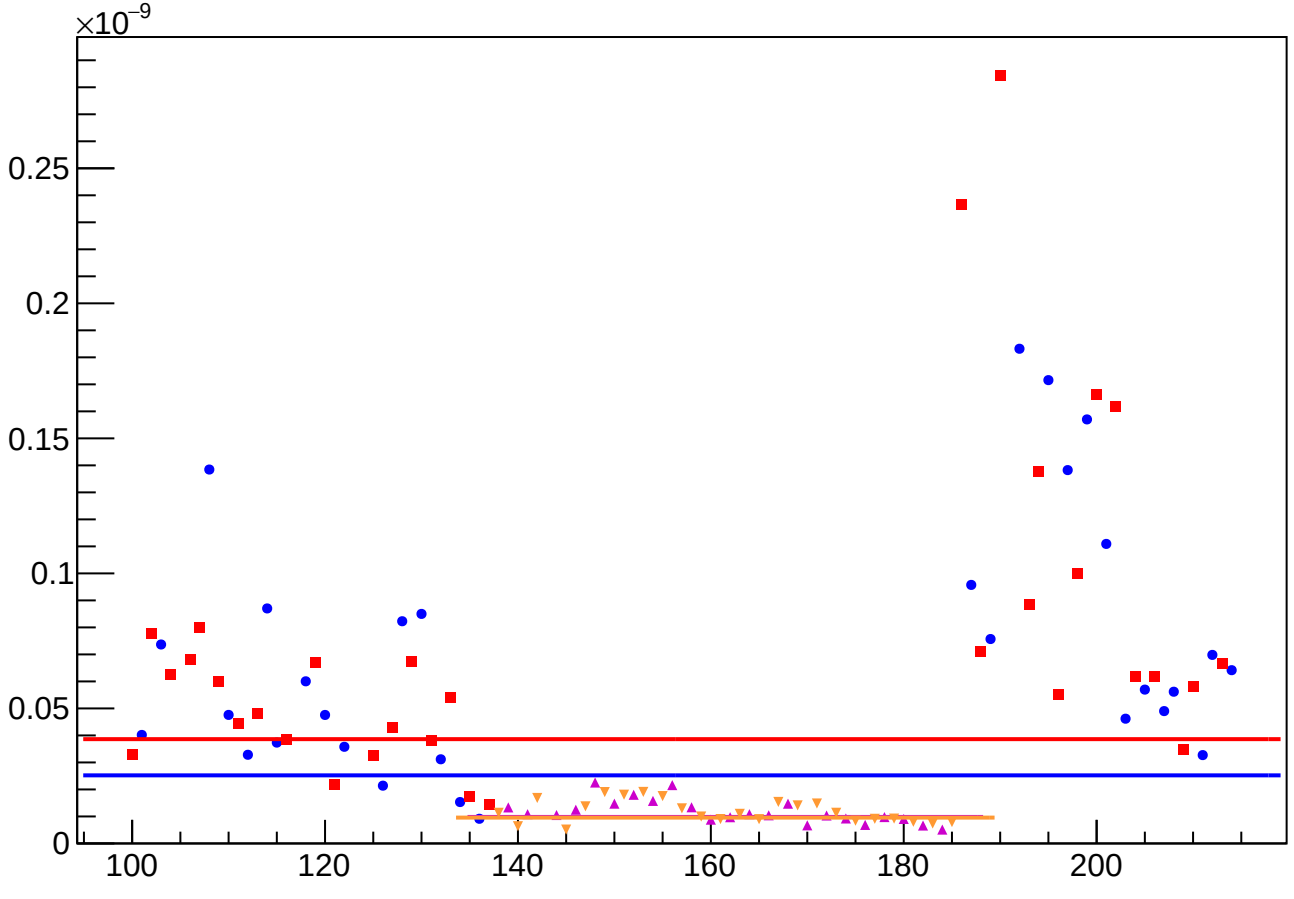
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: 0.000+/-0.000 χ^2/NDF: 61.5/61

In: 0.000+/-0.000 χ^2/NDF:57.0/52

Out: -0.000+/-0.000 χ^2/NDF:62.4/55

All: -0.000+/-0.000 χ^2/NDF: 119.5/108



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

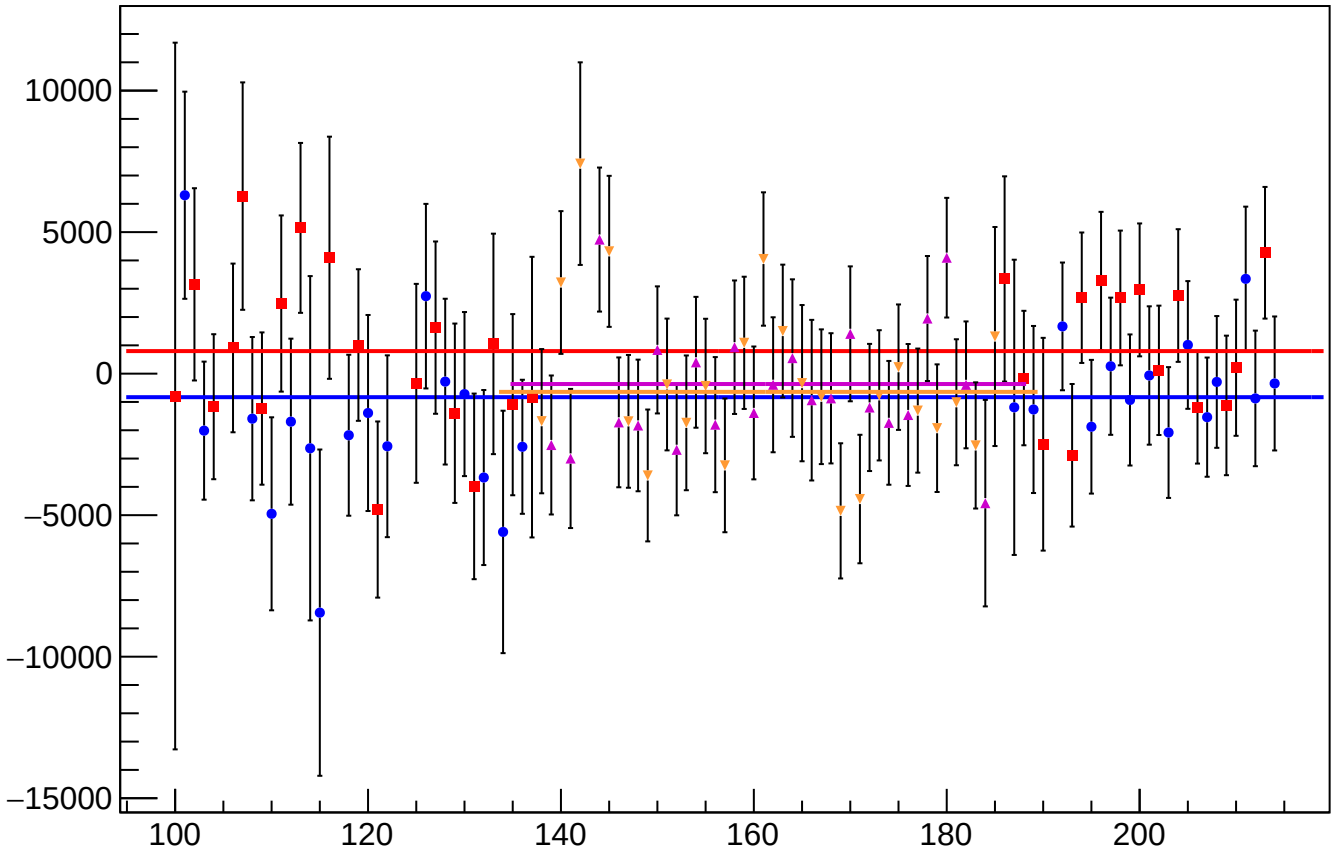
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 18372354.0/61

In: 0.000+/-0.000 χ^2/NDF:16609225.1/52

Out: 0.000+/-0.000 χ^2/NDF:17456458.1/55

All: 0.000+/-0.000 χ^2/NDF: 34070631.4/108



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

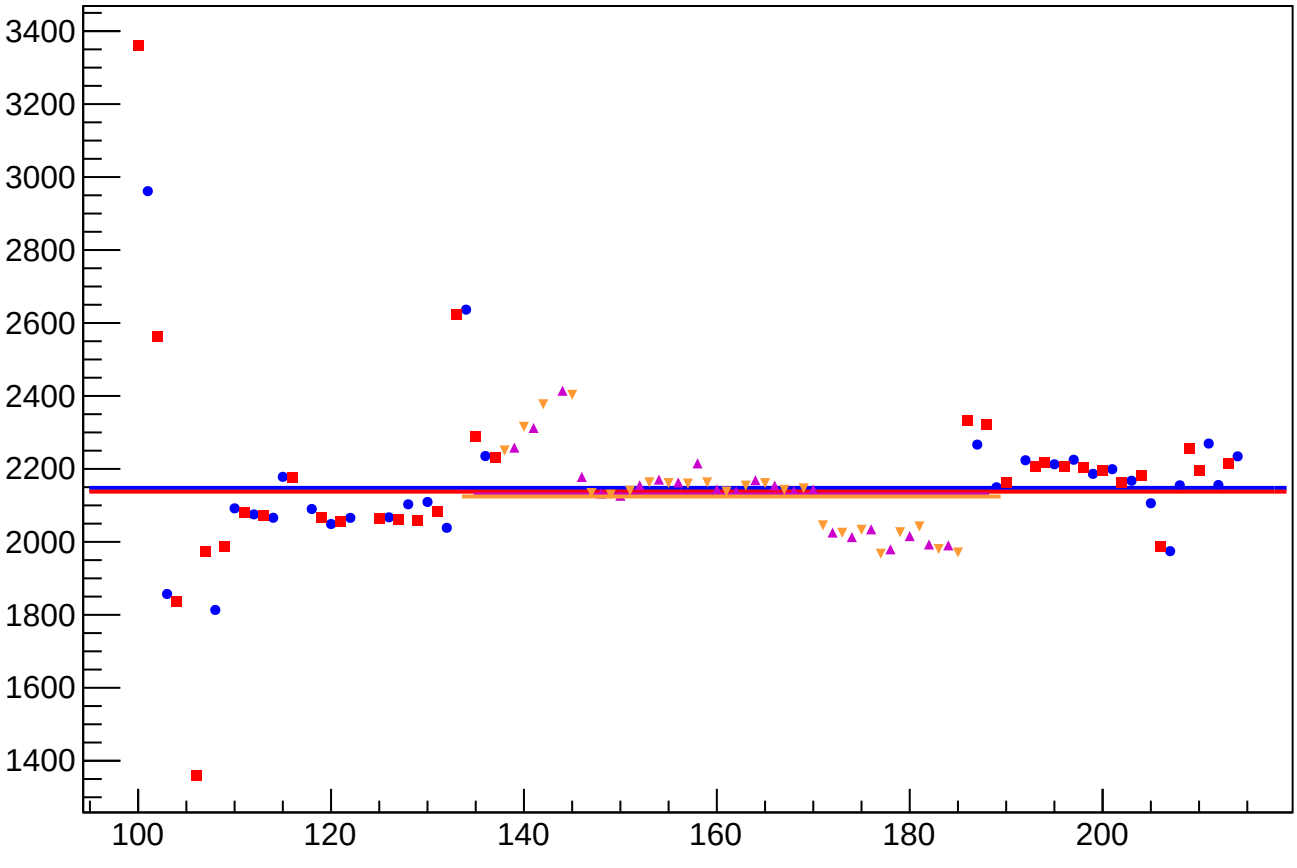
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -11.368+/-354.691 χ^2/NDF: 47.2/61

In: -596.528+/-354.015 χ^2/NDF:35.2/52

Out: 67.646+/-351.222 χ^2/NDF:55.8/55

All: -261.811+/-249.333 χ^2/NDF: 92.8/108



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

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

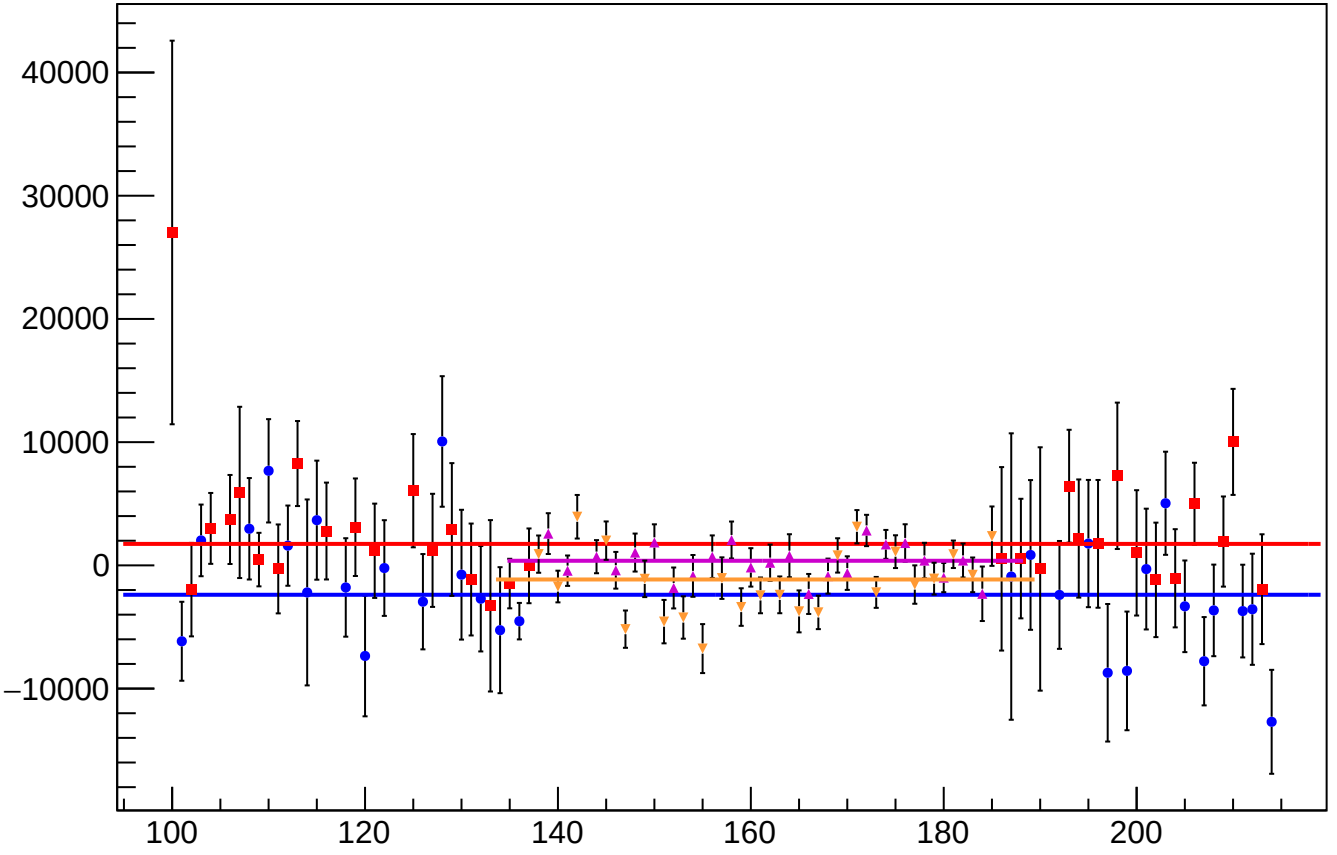
Right: 2142.826+/-0.251 χ^2/NDF: 538970.2/61

In: 2138.844+/-0.250 χ^2/NDF:309991.2/52

Out: 2131.004+/-0.248 χ^2/NDF:405122.3/55

All: 2134.893+/-0.176 χ^2/NDF: 715607.7/108

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



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

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

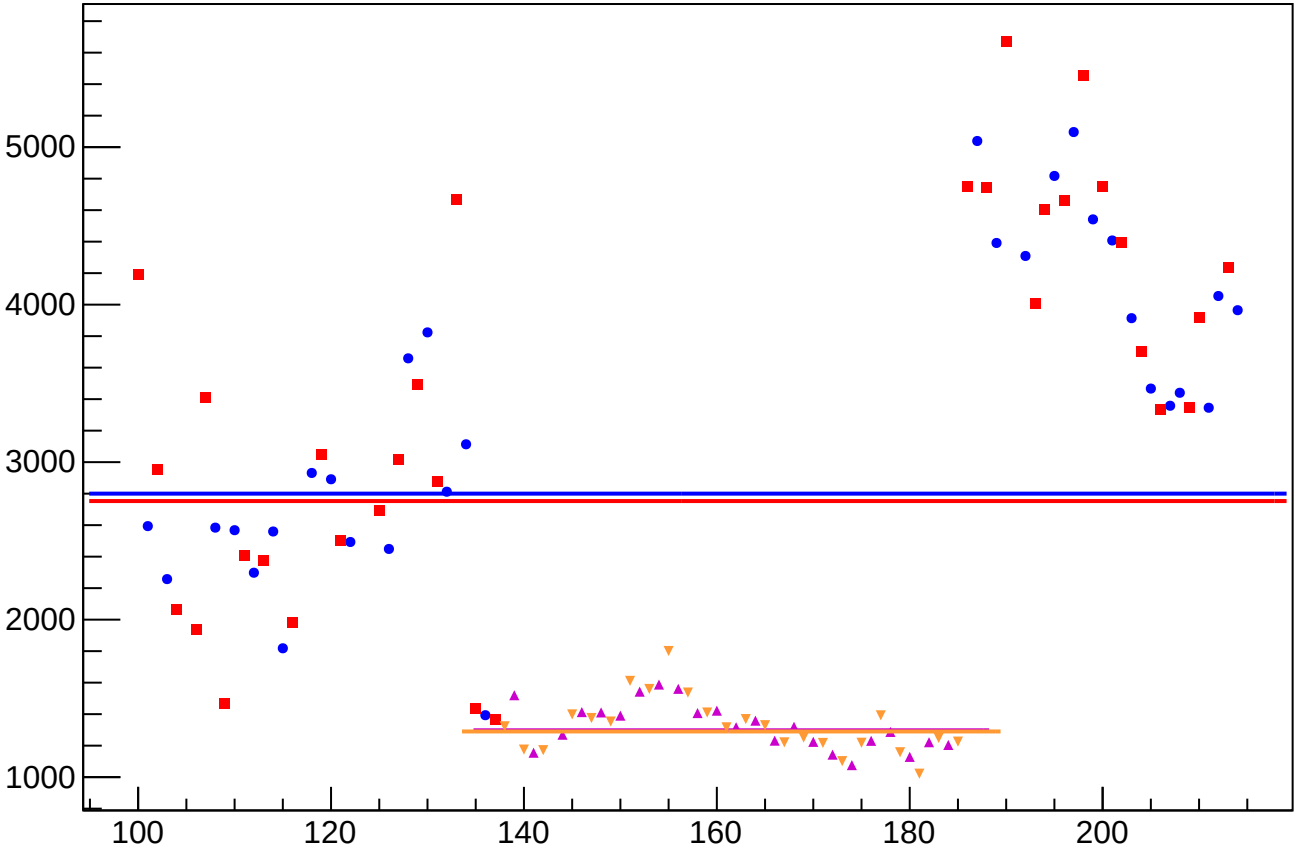
Right: -311.792+/-493.735 χ^2/NDF: 78.9/61

In: -67.896+/-279.898 χ^2/NDF:72.8/52

Out: -686.770+/-277.457 χ^2/NDF:103.9/55

All: -380.044+/-197.049 χ^2/NDF: 179.2/108

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



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

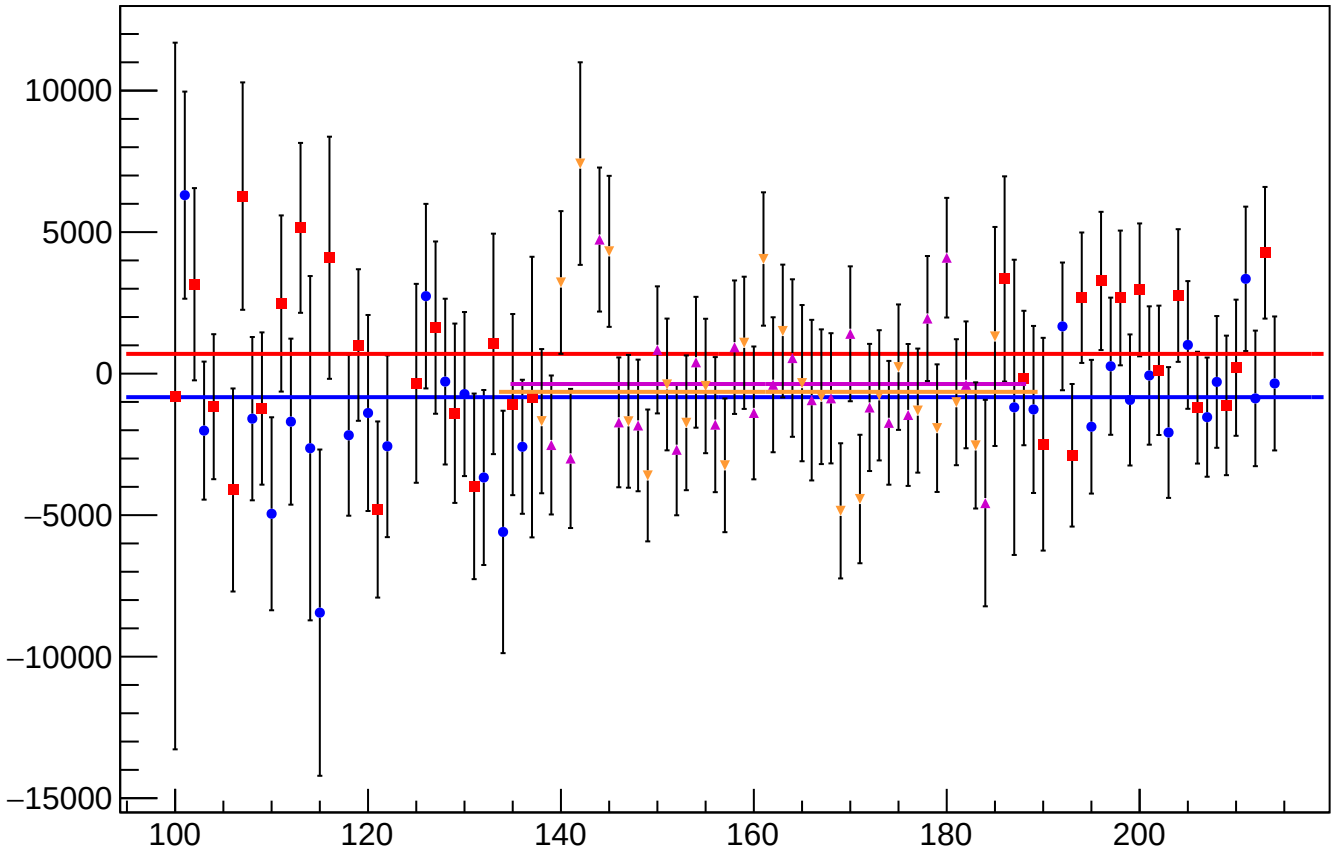
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2776.411+/-0.349 χ^2/NDF: 9937950.6/61

In: 1537.747+/-0.198 χ^2/NDF:12604417.5/52

Out: 1522.131+/-0.196 χ^2/NDF:13496538.1/55

All: 1529.871+/-0.139 χ^2/NDF: 26104095.5/1



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

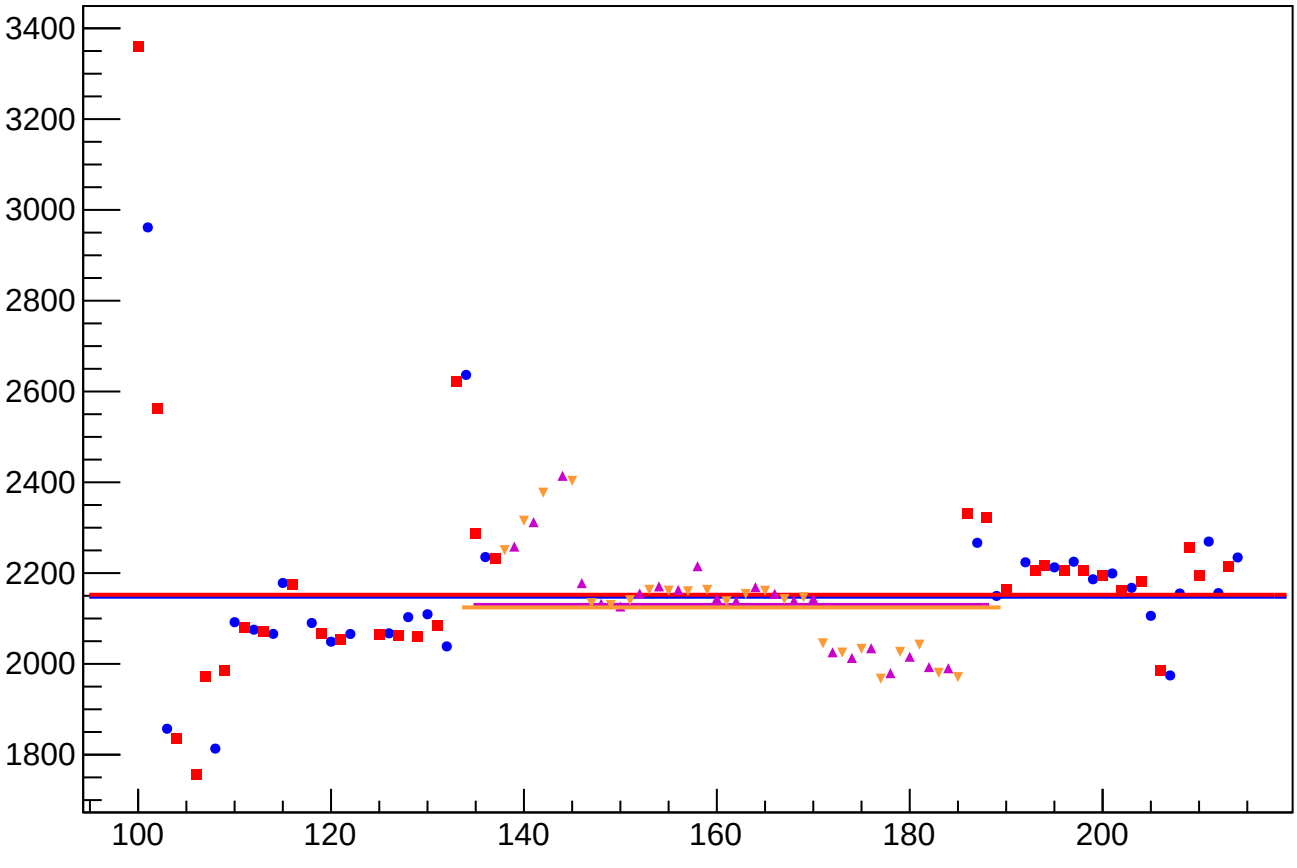
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -64.684+/-355.472 χ^2/NDF: 48.4/61

In: -596.496+/-354.015 χ^2/NDF:35.2/52

Out: 15.807+/-351.981 χ^2/NDF:57.0/55

All: -288.580+/-249.604 χ^2/NDF: 93.8/108



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

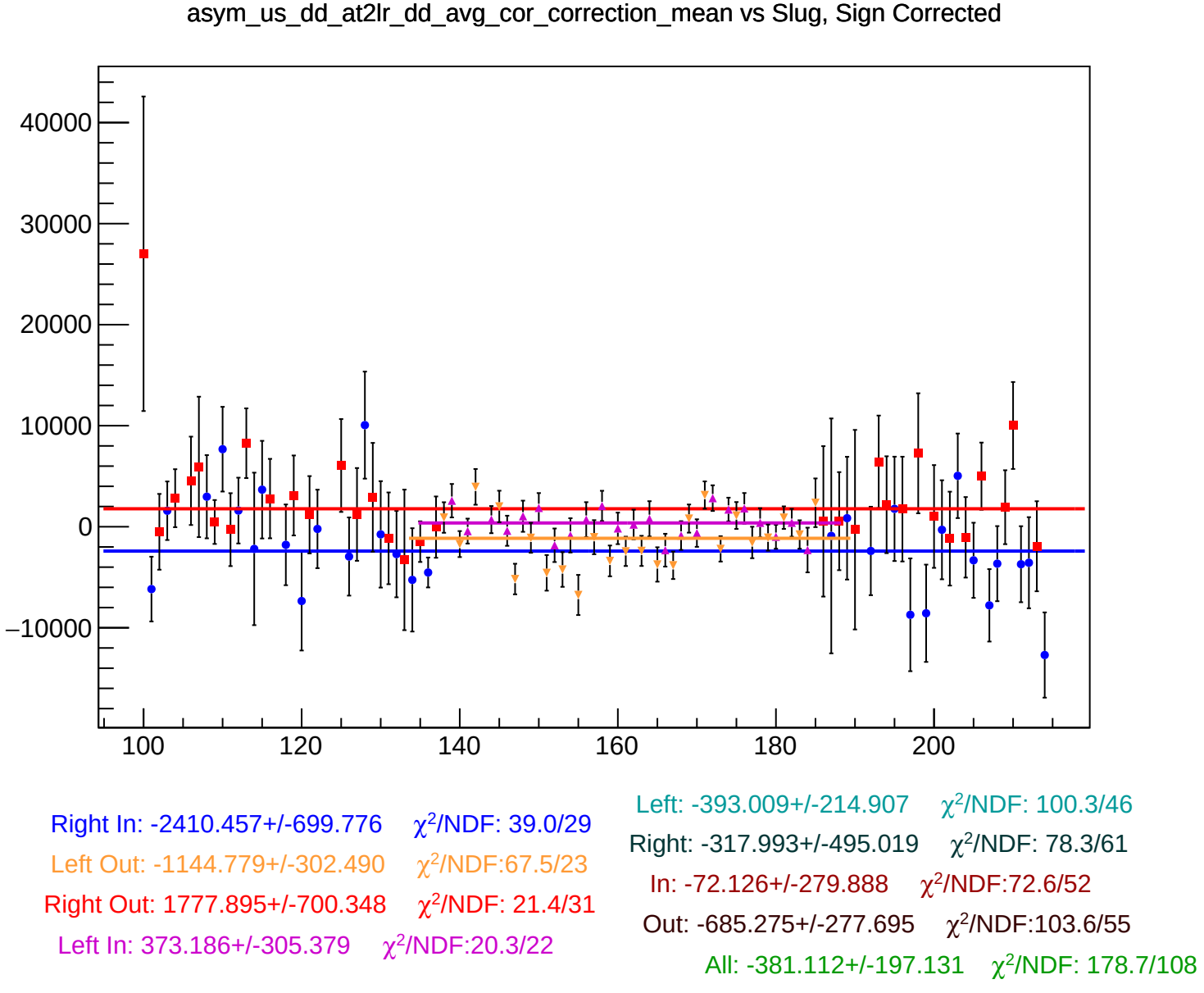
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

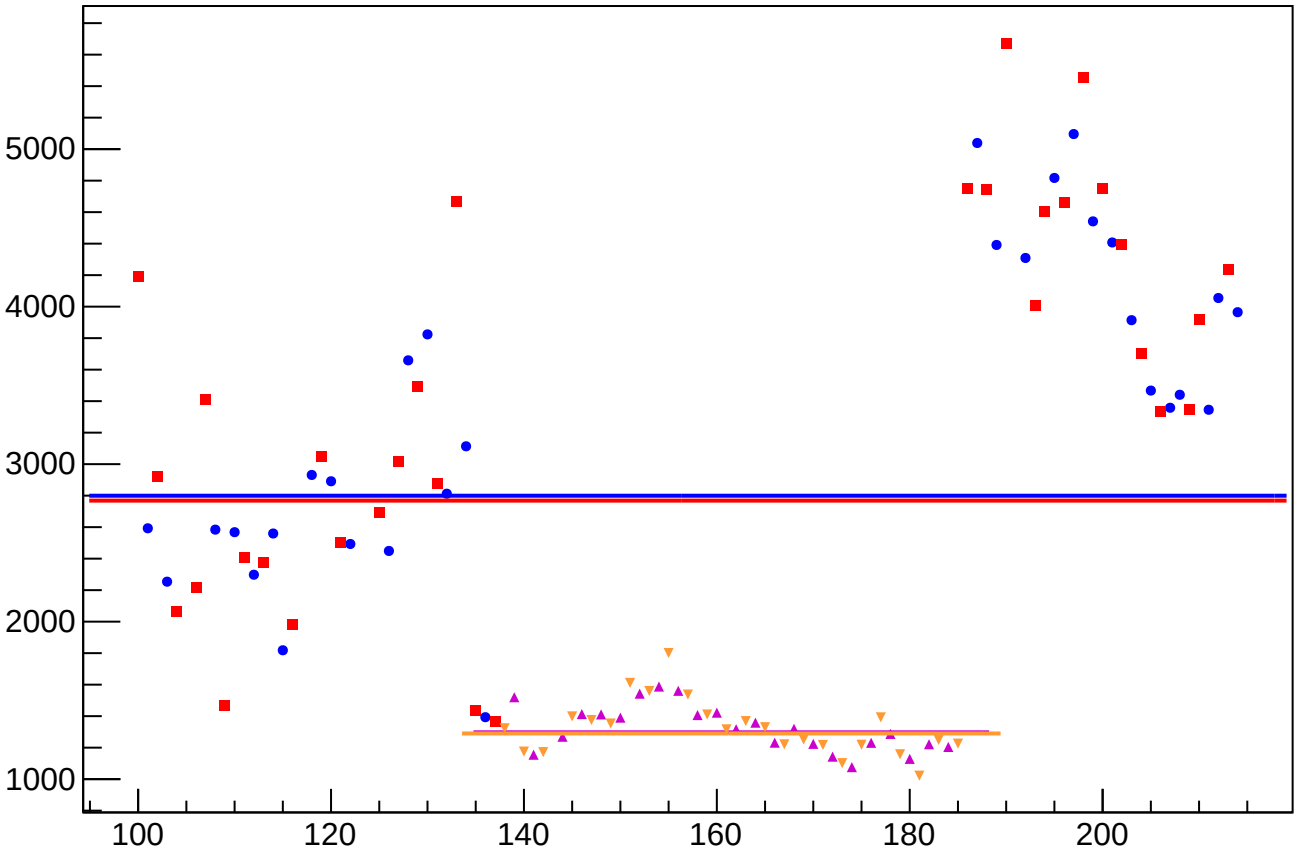
Right: 2150.155+/-0.251 χ^2/NDF: 423655.7/61

In: 2138.844+/-0.250 χ^2/NDF:309991.5/52

Out: 2138.140+/-0.249 χ^2/NDF:292568.8/55

All: 2138.490+/-0.176 χ^2/NDF: 602564.3/108


asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -2410.457+/-699.776 χ²/NDF: 39.0/29
Left Out: -1144.779+/-302.490 χ²/NDF:67.5/23
Right Out: 1777.895+/-700.348 χ²/NDF: 21.4/31
Left In: 373.186+/-305.379 χ²/NDF:20.3/22
Left: -393.009+/-214.907 χ²/NDF: 100.3/46
Right: -317.993+/-495.019 χ²/NDF: 78.3/61
In: -72.126+/-279.888 χ²/NDF:72.6/52
Out: -685.275+/-277.695 χ²/NDF:103.6/55
All: -381.112+/-197.131 χ²/NDF: 178.7/108



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

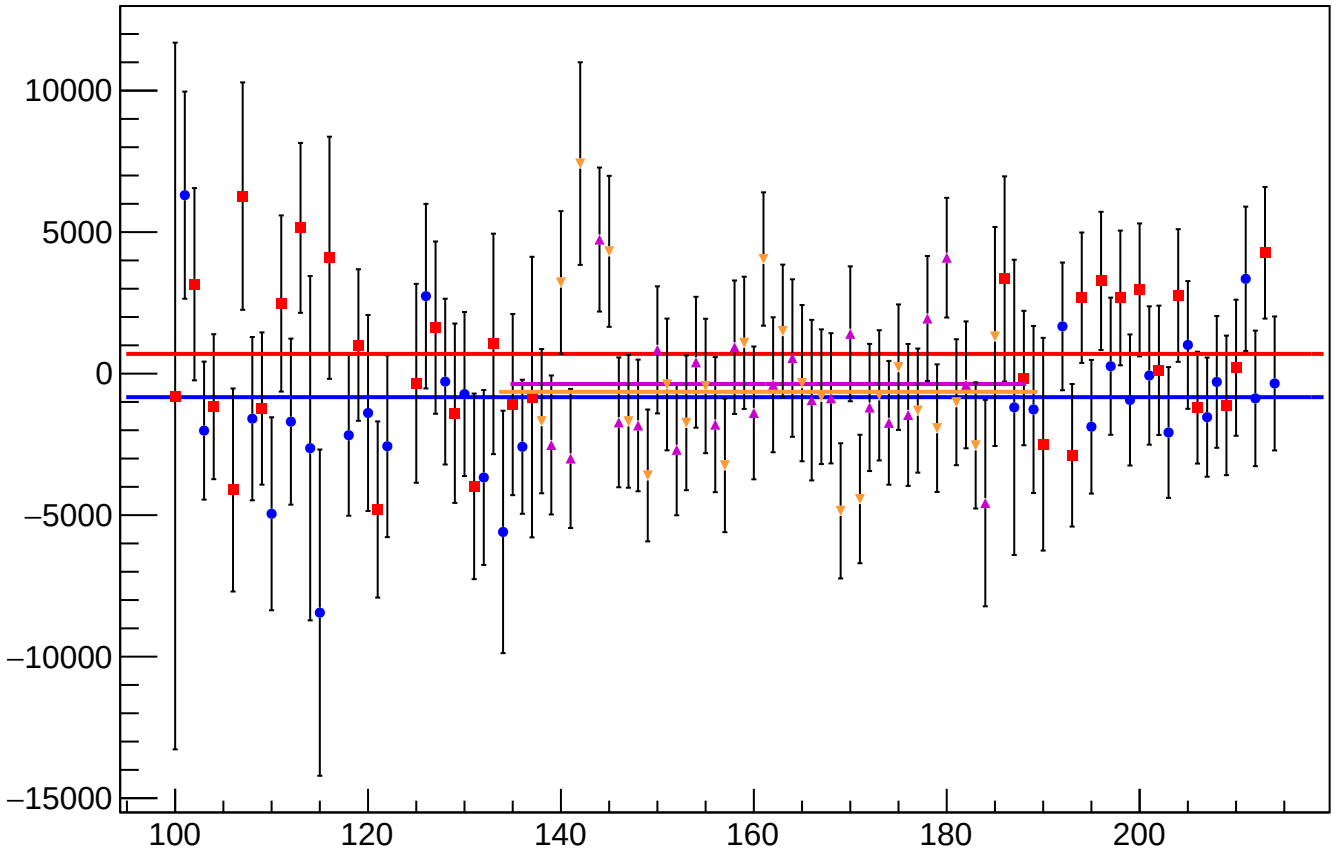
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2784.080+/-0.350 χ^2/NDF: 9864499.1/61

In: 1537.763+/-0.198 χ^2/NDF:12603749.8/52

Out: 1522.490+/-0.196 χ^2/NDF:13514194.9/55

All: 1530.066+/-0.139 χ^2/NDF: 26120945.9/1



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

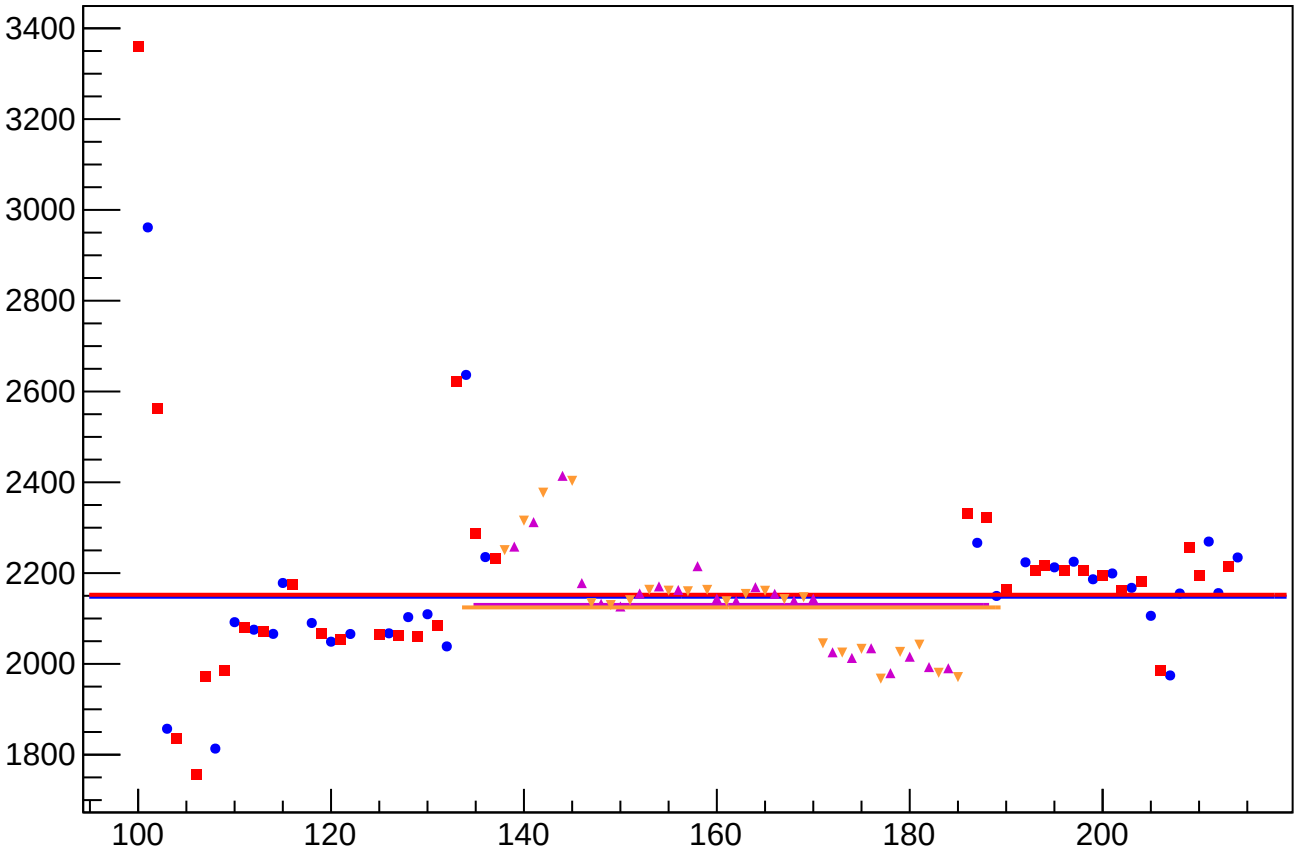
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -64.684+/-355.472 χ^2/NDF: 48.4/61

In: -596.496+/-354.015 χ^2/NDF:35.2/52

Out: 15.807+/-351.981 χ^2/NDF:57.0/55

All: -288.580+/-249.604 χ^2/NDF: 93.8/108



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

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

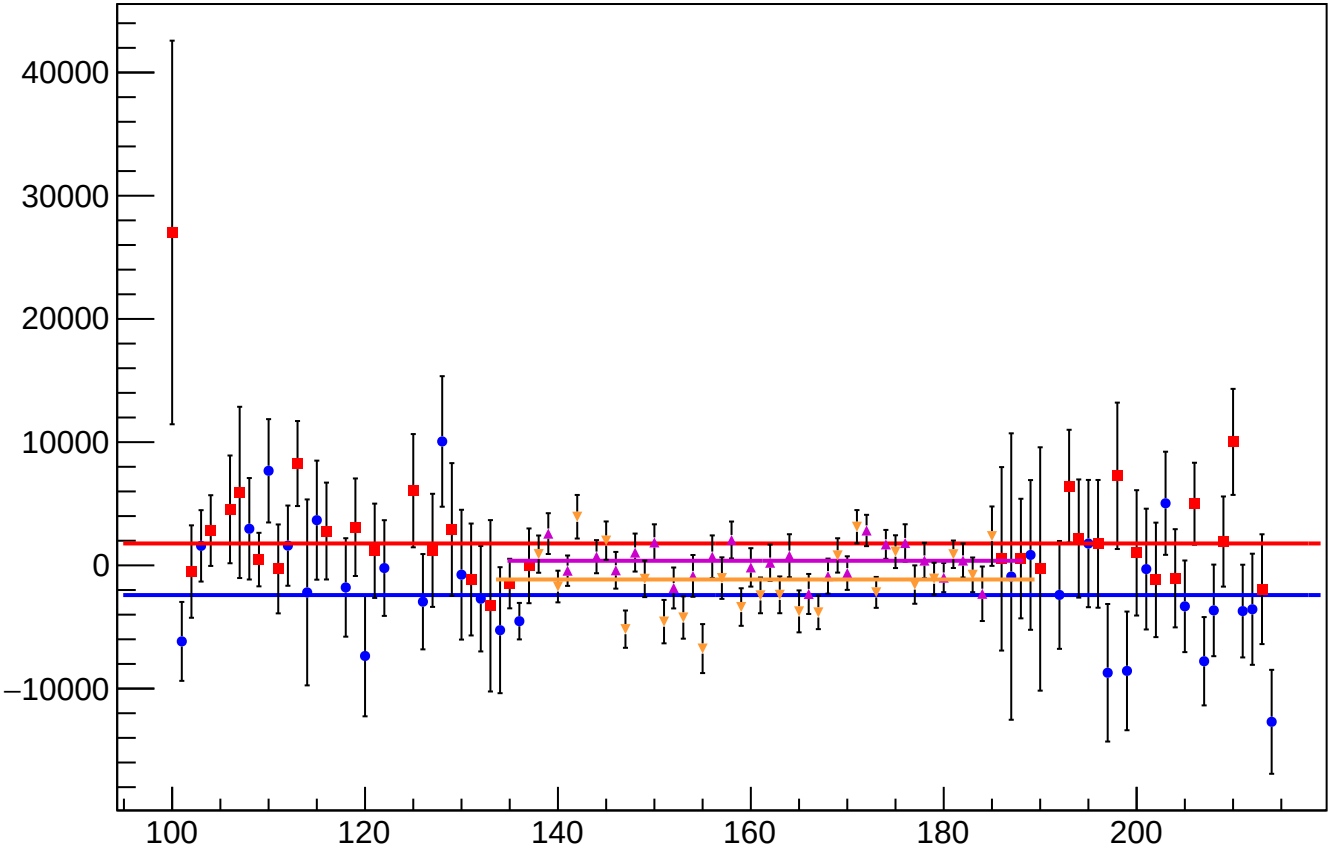
Right: 2150.155+/-0.251 χ^2/NDF: 423655.7/61

In: 2138.844+/-0.250 χ^2/NDF:309991.5/52

Out: 2138.140+/-0.249 χ^2/NDF:292568.8/55

All: 2138.490+/-0.176 χ^2/NDF: 602564.3/108

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

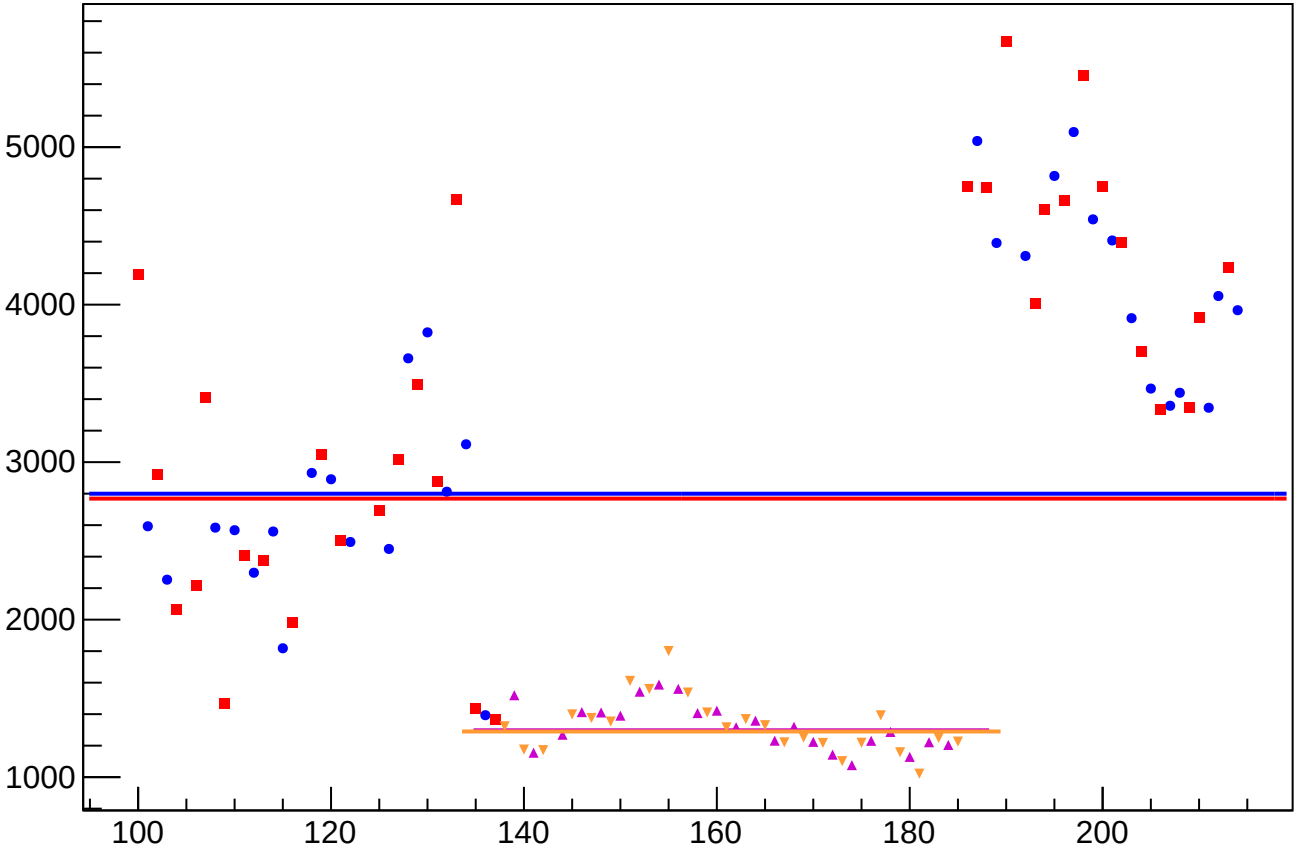
Right: -317.993+/-495.019 χ^2/NDF: 78.3/61

In: -72.126+/-279.888 χ^2/NDF:72.6/52

Out: -685.275+/-277.695 χ^2/NDF:103.6/55

All: -381.112+/-197.131 χ^2/NDF: 178.7/108

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

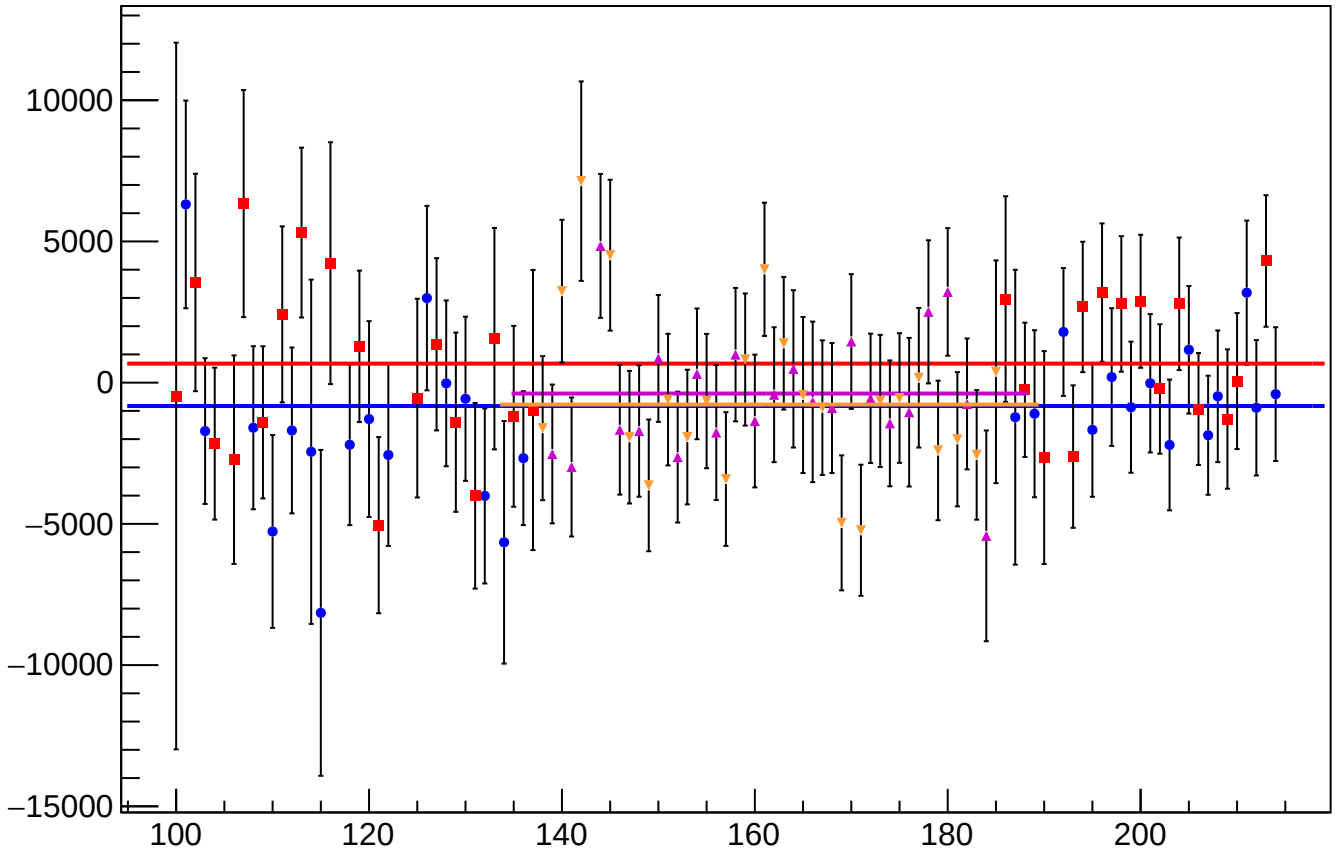
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2784.080+/-0.350 χ^2/NDF: 9864499.1/61

In: 1537.763+/-0.198 χ^2/NDF:12603749.8/52

Out: 1522.490+/-0.196 χ^2/NDF:13514194.9/55

All: 1530.066+/-0.139 χ^2/NDF: 26120945.9/1



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

Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

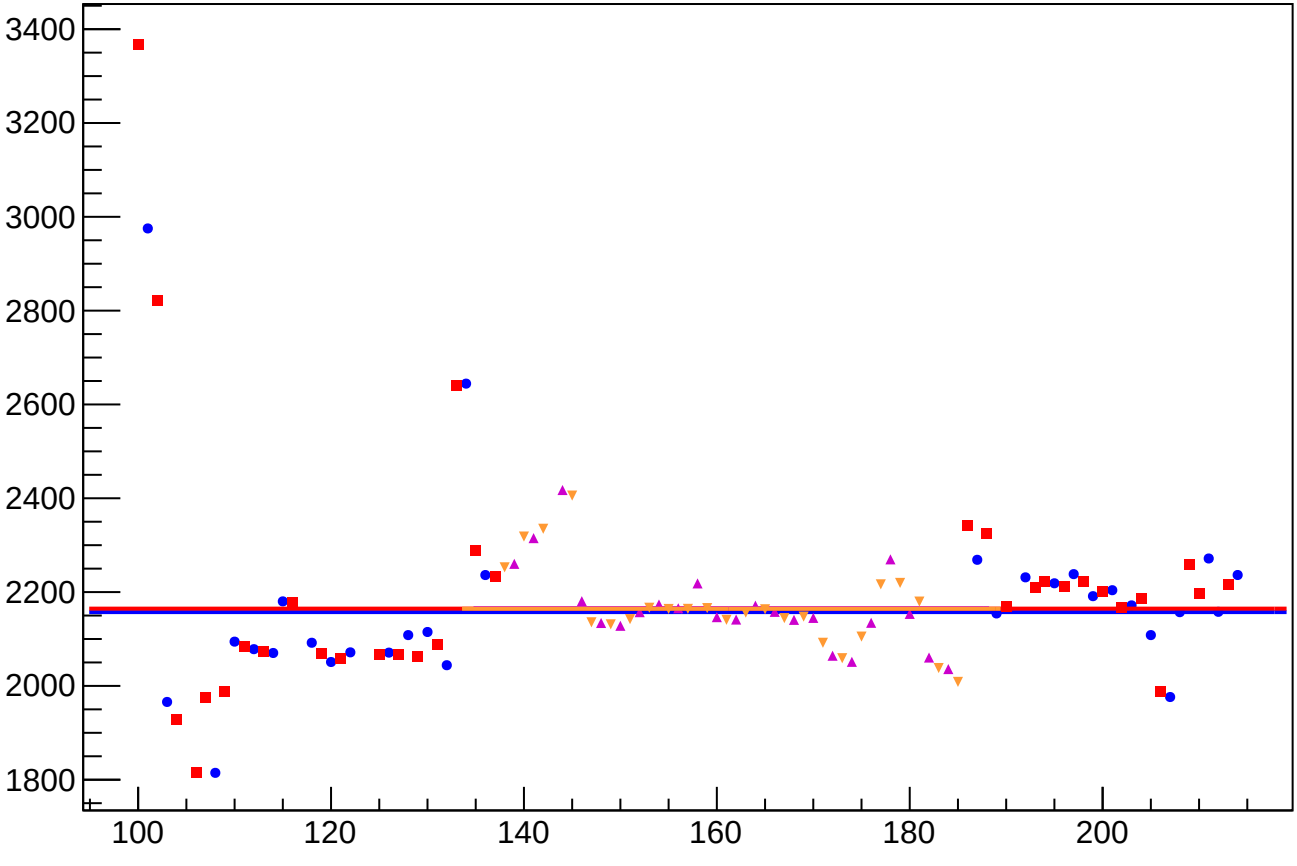
Right: -76.164+/-357.422 χ^2/NDF: 48.7/61

In: -606.452+/-357.652 χ^2/NDF:34.0/52

Out: -53.278+/-356.456 χ^2/NDF:59.0/55

All: -328.939+/-252.474 χ^2/NDF: 94.2/108

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



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

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

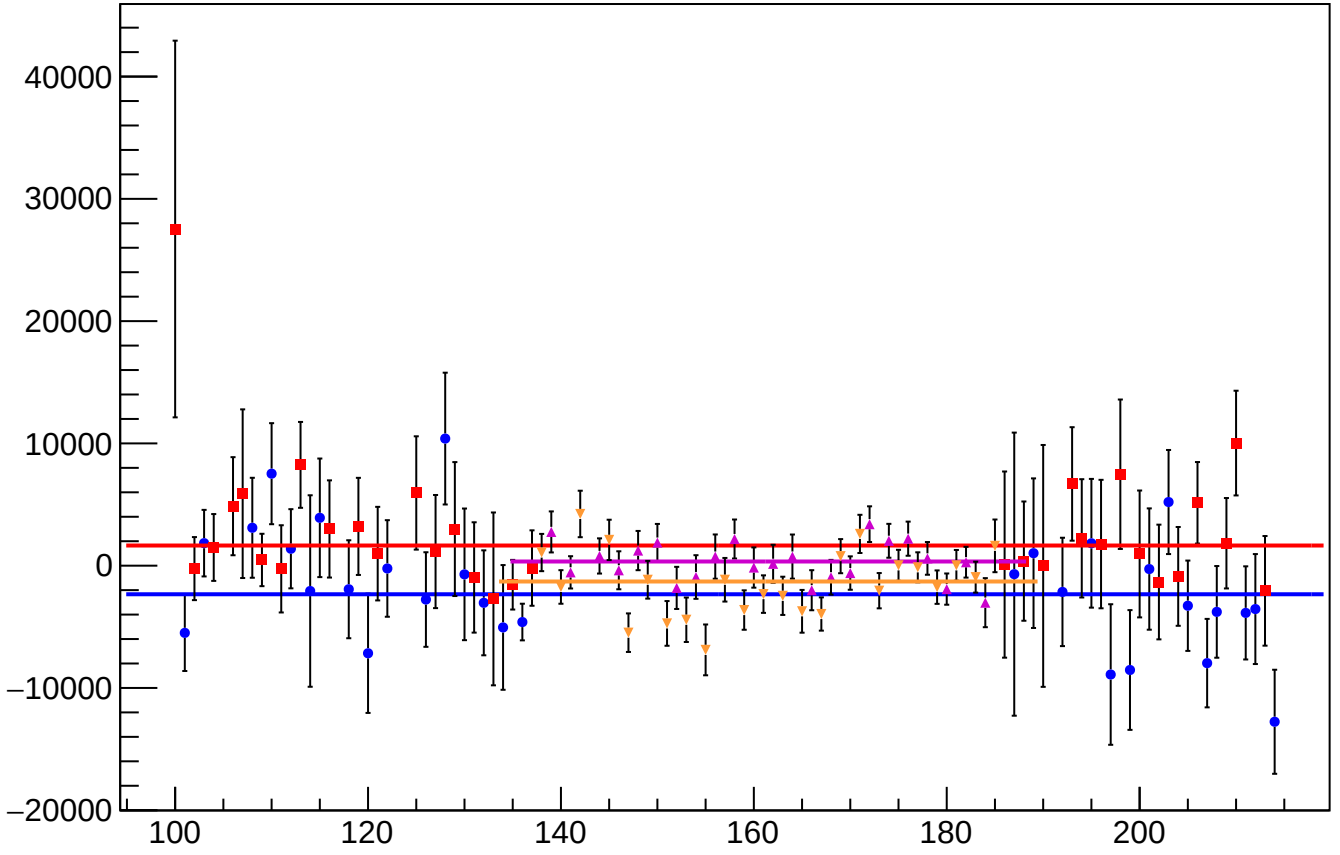
Right: 2161.035+/-0.253 χ^2/NDF: 417053.6/61

In: 2161.487+/-0.253 χ^2/NDF:260236.5/52

Out: 2164.630+/-0.252 χ^2/NDF:259673.8/55

All: 2163.064+/-0.179 χ^2/NDF: 519987.8/108

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



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

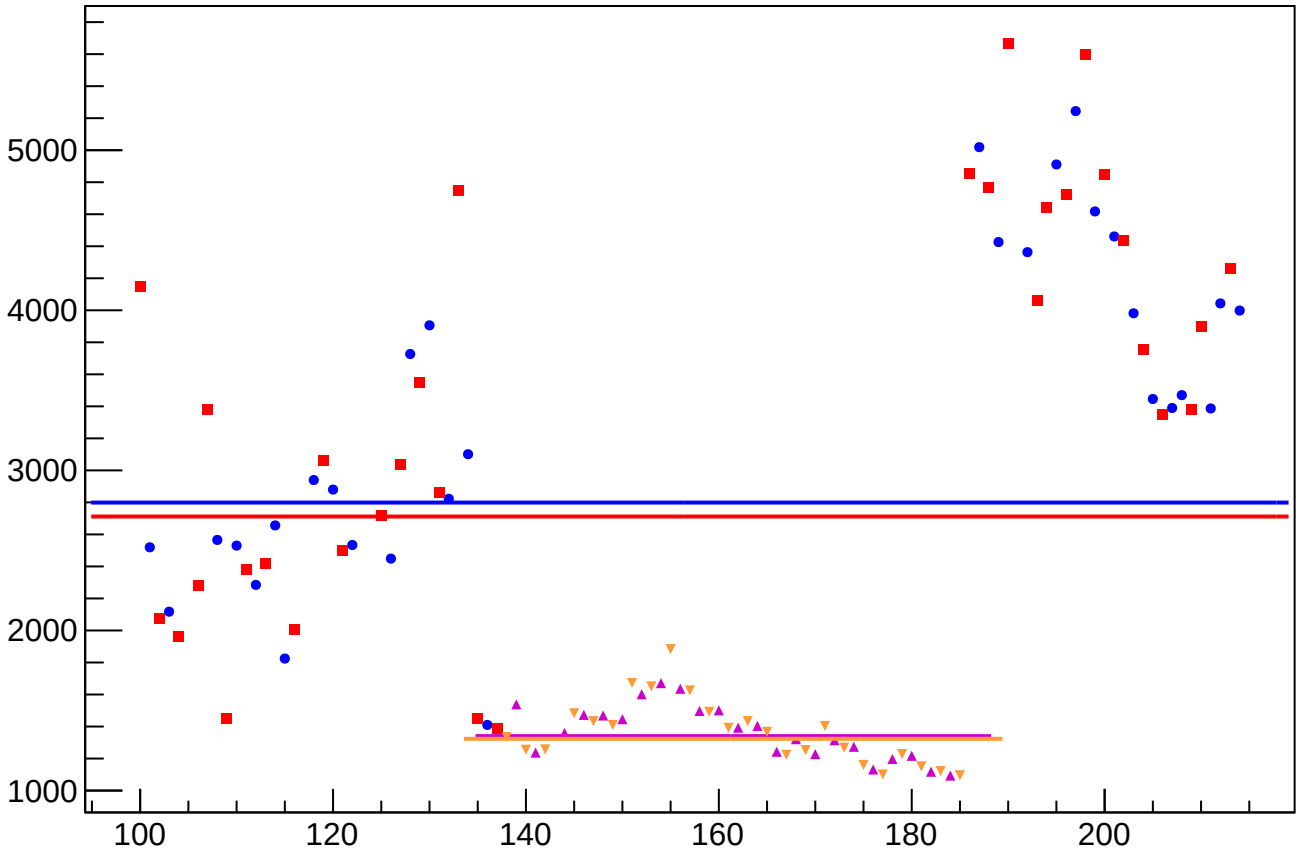
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -304.165+/-490.449 χ^2/NDF: 77.9/61

In: -110.419+/-287.738 χ^2/NDF:76.4/52

Out: -793.920+/-283.010 χ^2/NDF:95.9/55

All: -457.831+/-201.769 χ^2/NDF: 175.1/108



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

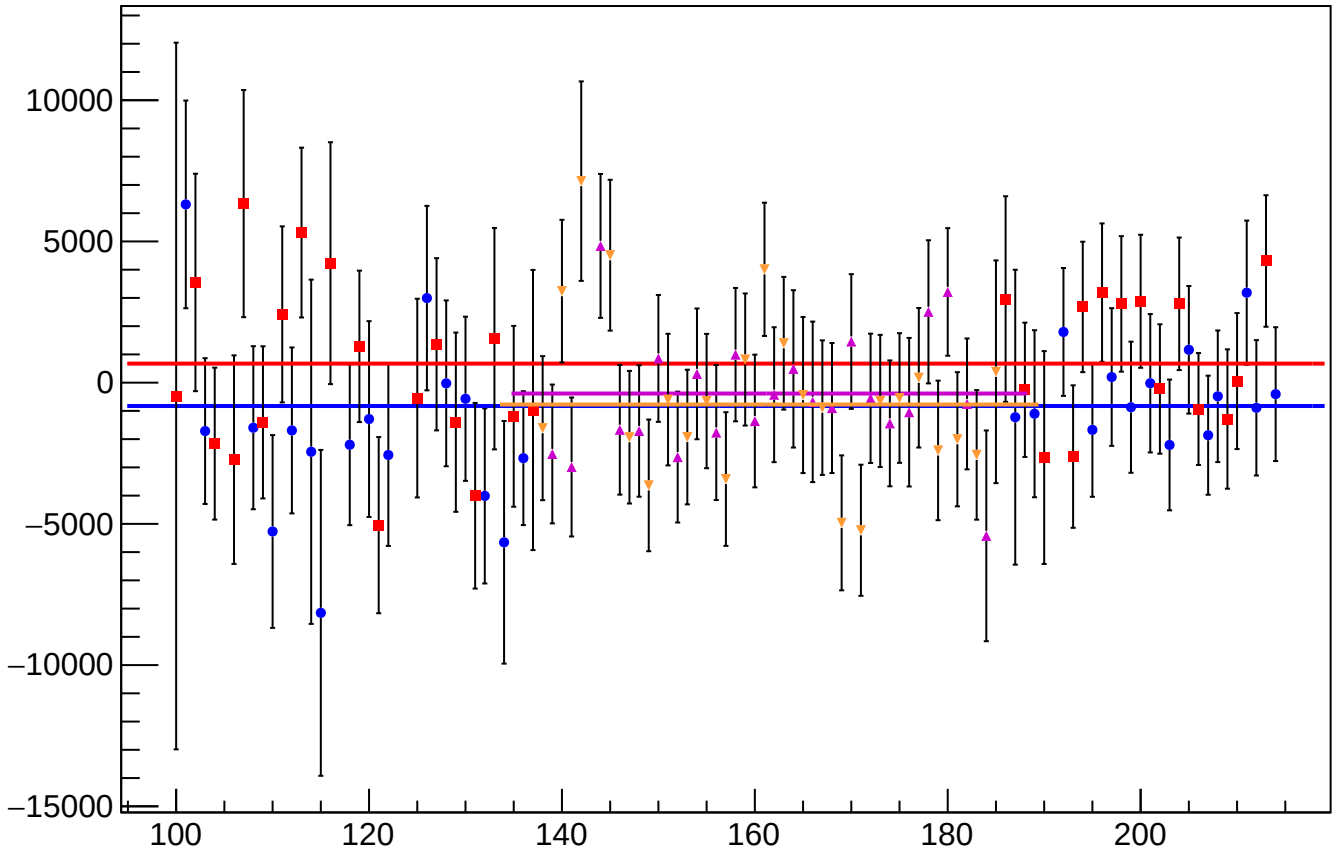
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2754.508+/-0.347 χ^2/NDF: 10243774.2/61

In: 1586.044+/-0.203 χ^2/NDF:12227977.7/52

Out: 1559.266+/-0.200 χ^2/NDF:13152902.2/55

All: 1572.433+/-0.143 χ^2/NDF: 25389684.1/1



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

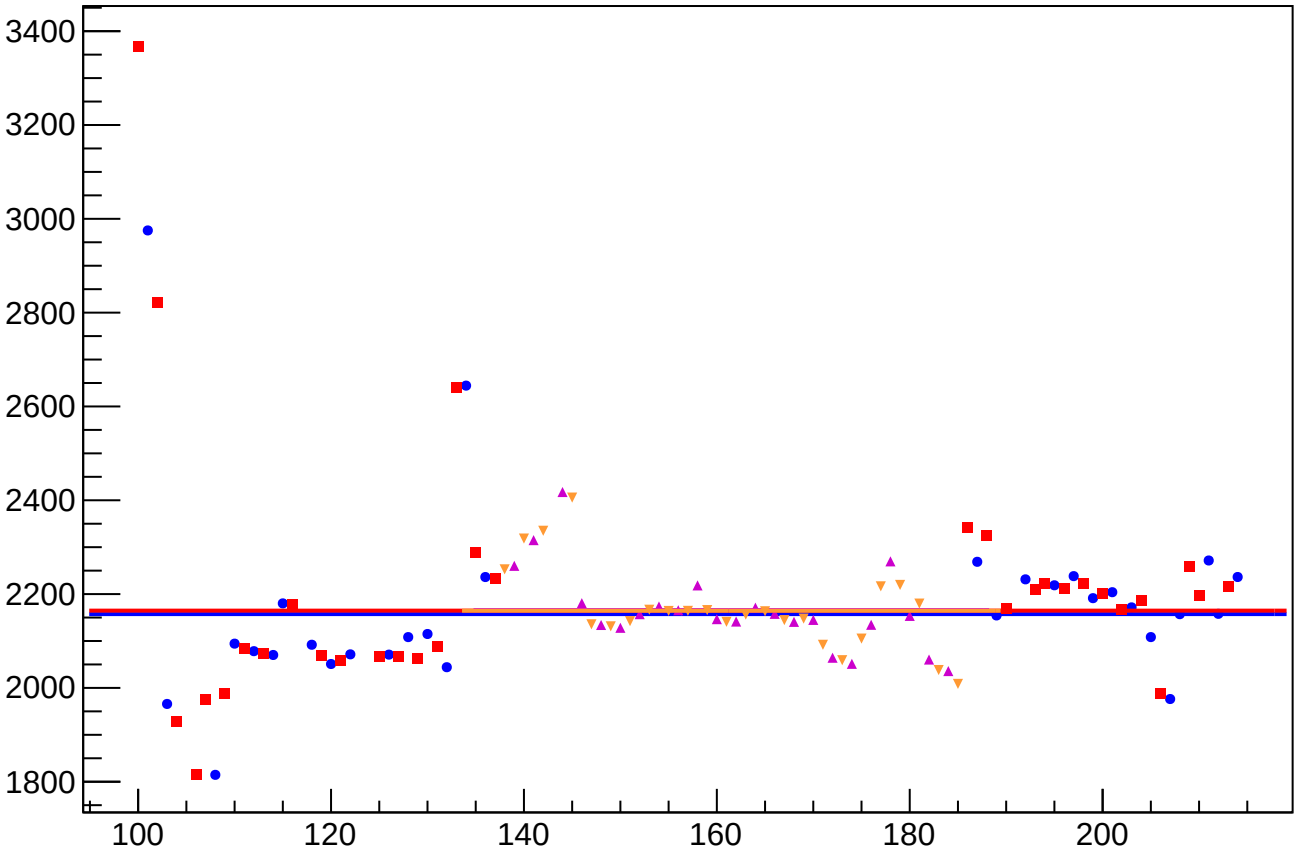
Left: -580.668+/-356.683 χ^2/NDF: 44.5/46

Right: -76.164+/-357.422 χ^2/NDF: 48.7/61

In: -606.449+/-357.651 χ^2/NDF:34.0/52

Out: -53.278+/-356.456 χ^2/NDF:59.0/55

All: -328.938+/-252.474 χ^2/NDF: 94.2/108



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

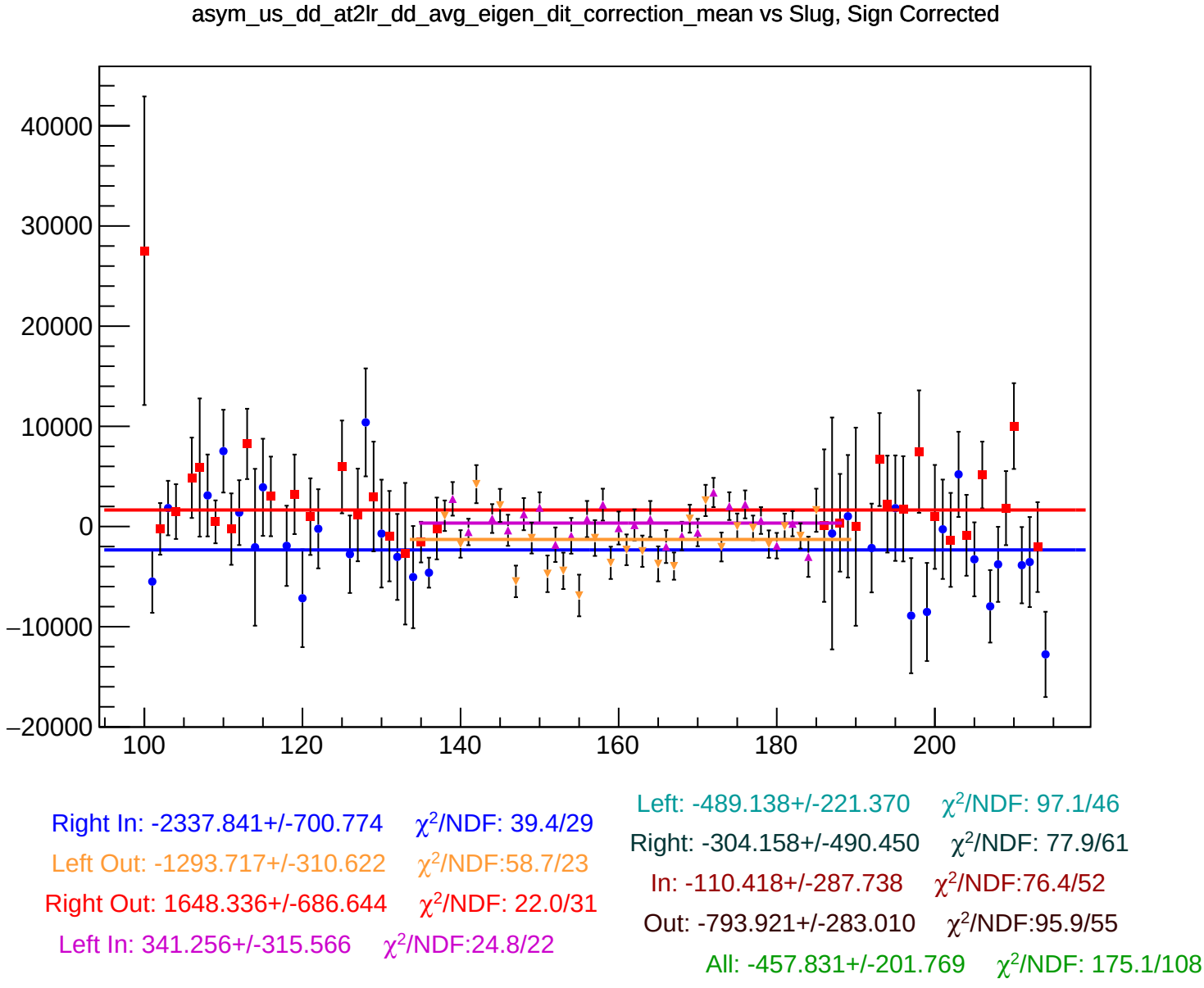
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2161.035+/-0.253 χ^2/NDF: 417053.5/61

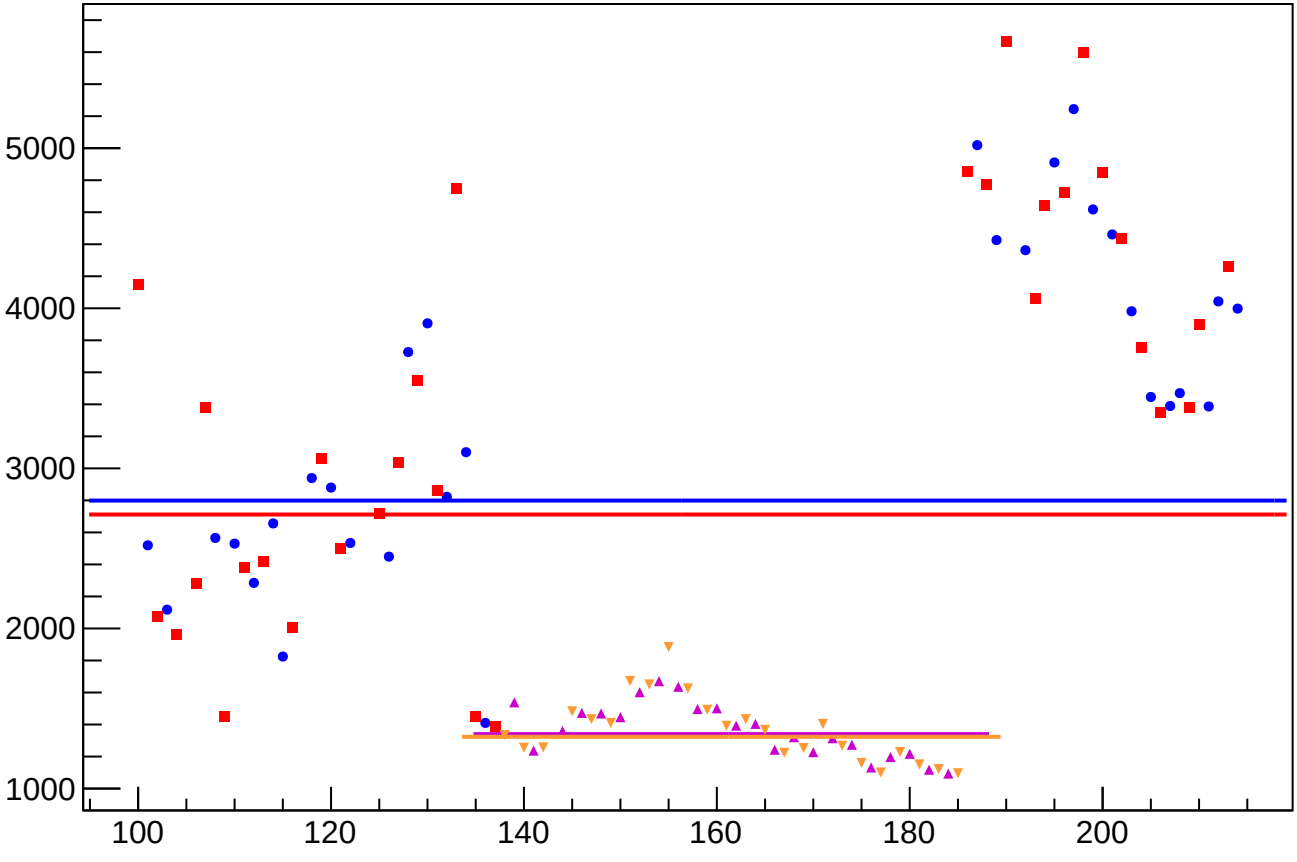
In: 2161.487+/-0.253 χ^2/NDF:260236.4/52

Out: 2164.630+/-0.252 χ^2/NDF:259673.8/55

All: 2163.064+/-0.179 χ^2/NDF: 519987.7/108


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -2337.841+/-700.774 χ²/NDF: 39.4/29
Left Out: -1293.717+/-310.622 χ²/NDF:58.7/23
Right Out: 1648.336+/-686.644 χ²/NDF: 22.0/31
Left In: 341.256+/-315.566 χ²/NDF:24.8/22
Left: -489.138+/-221.370 χ²/NDF: 97.1/46
Right: -304.158+/-490.450 χ²/NDF: 77.9/61
In: -110.418+/-287.738 χ²/NDF:76.4/52
Out: -793.921+/-283.010 χ²/NDF:95.9/55
All: -457.831+/-201.769 χ²/NDF: 175.1/108

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

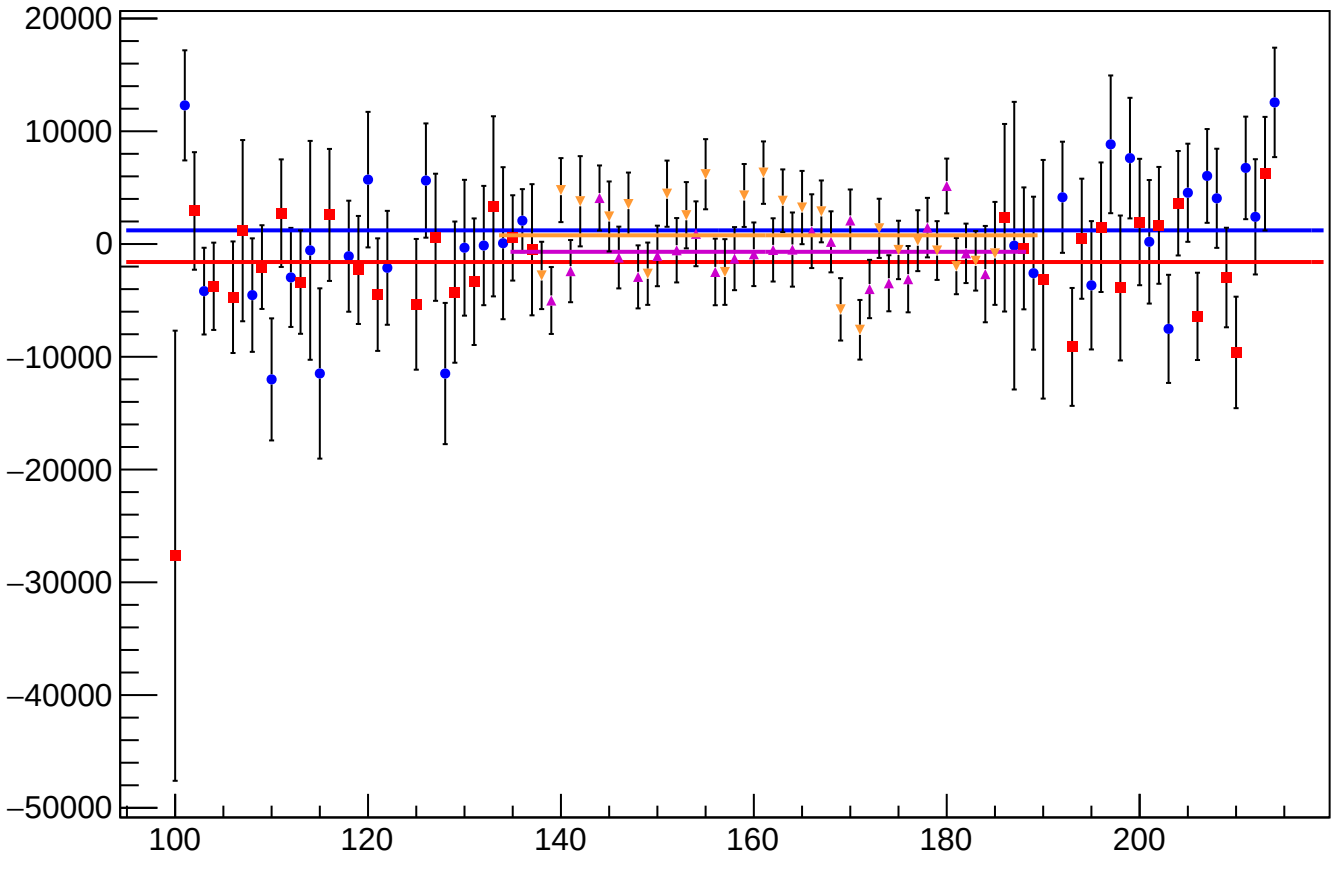
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2754.519+/-0.347 χ^2/NDF: 10243571.8/61

In: 1586.043+/-0.203 χ^2/NDF:12227977.1/52

Out: 1559.267+/-0.200 χ^2/NDF:13152891.2/55

All: 1572.433+/-0.143 χ^2/NDF: 25389671.6/1



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

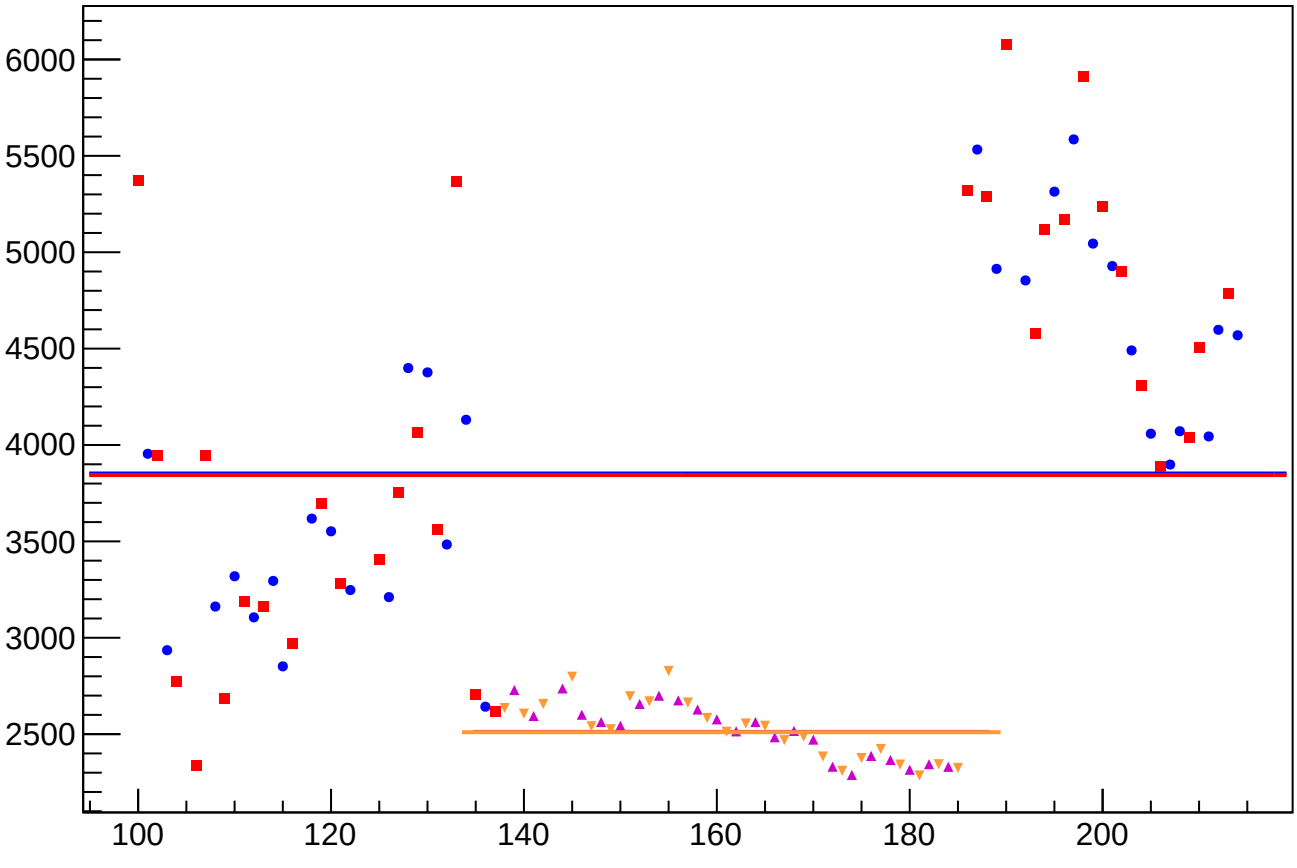
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -187.668+/-652.375 χ^2/NDF: 64.7/61

In: -140.240+/-495.286 χ^2/NDF:63.0/52

Out: 98.715+/-493.489 χ^2/NDF:62.5/55

All: -20.328+/-349.583 χ^2/NDF: 125.6/108



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

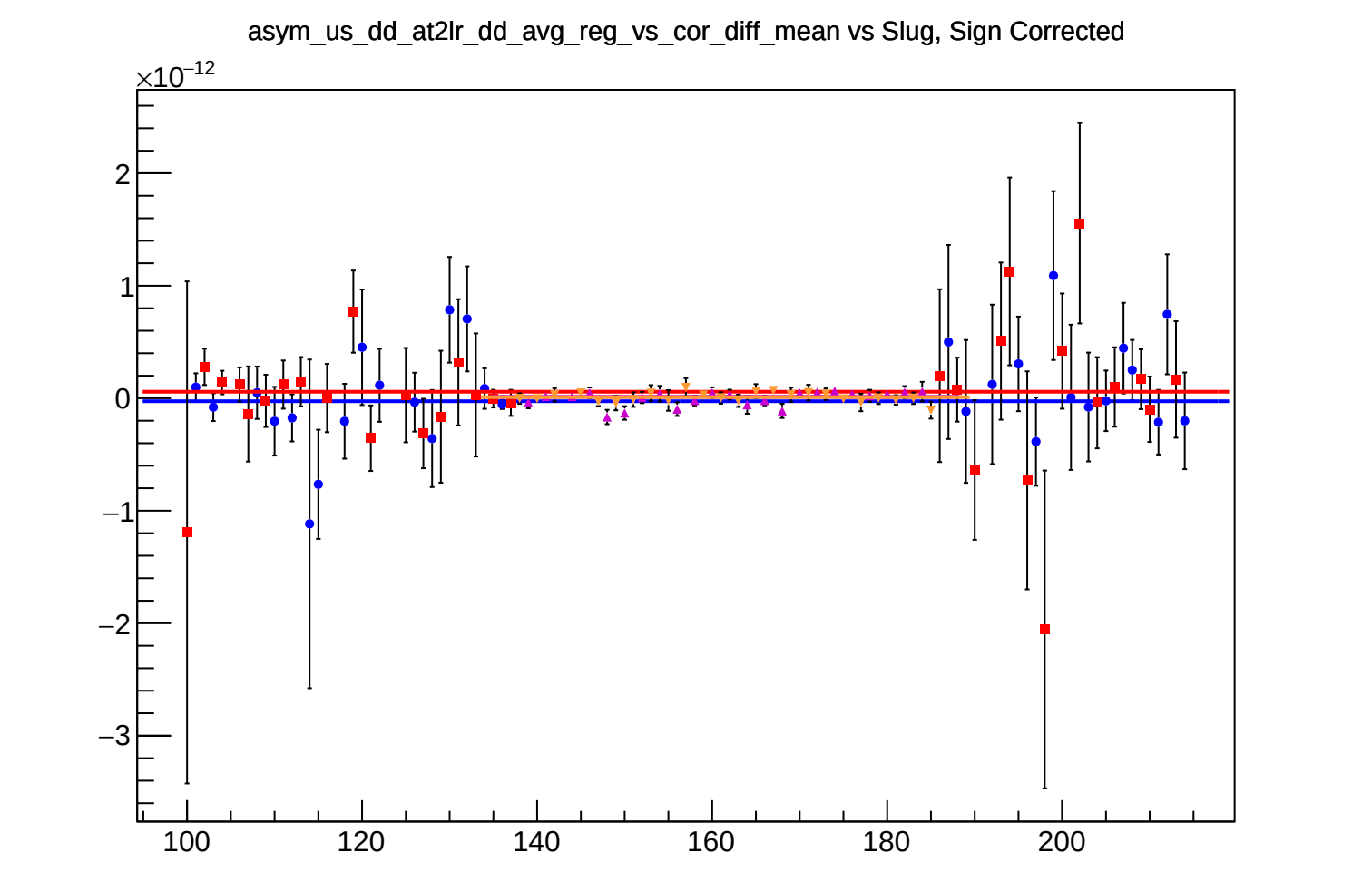
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

Right: 3848.132+/-0.461 χ^2/NDF: 3691122.1/61

In: 2899.183+/-0.350 χ^2/NDF:4653708.2/52

Out: 2890.530+/-0.349 χ^2/NDF:5270146.5/55

All: 2894.841+/-0.247 χ^2/NDF: 9924161.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/31

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

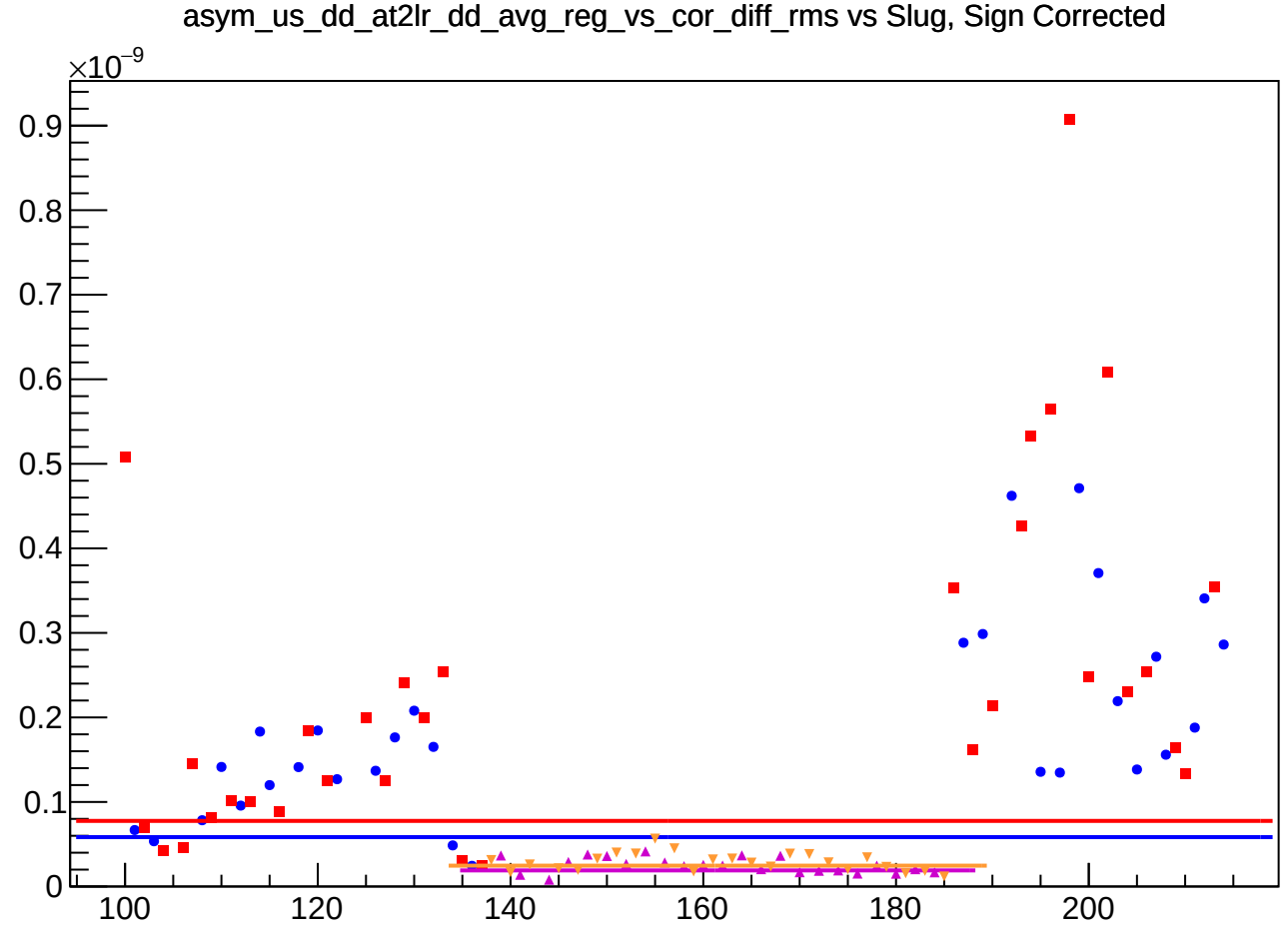
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: 0.000+/-0.000 χ^2/NDF: 47.9/61

In: 0.000+/-0.000 χ^2/NDF:54.8/52

Out: 0.000+/-0.000 χ^2/NDF:36.2/55

All: 0.000+/-0.000 χ^2/NDF: 91.1/108



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

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

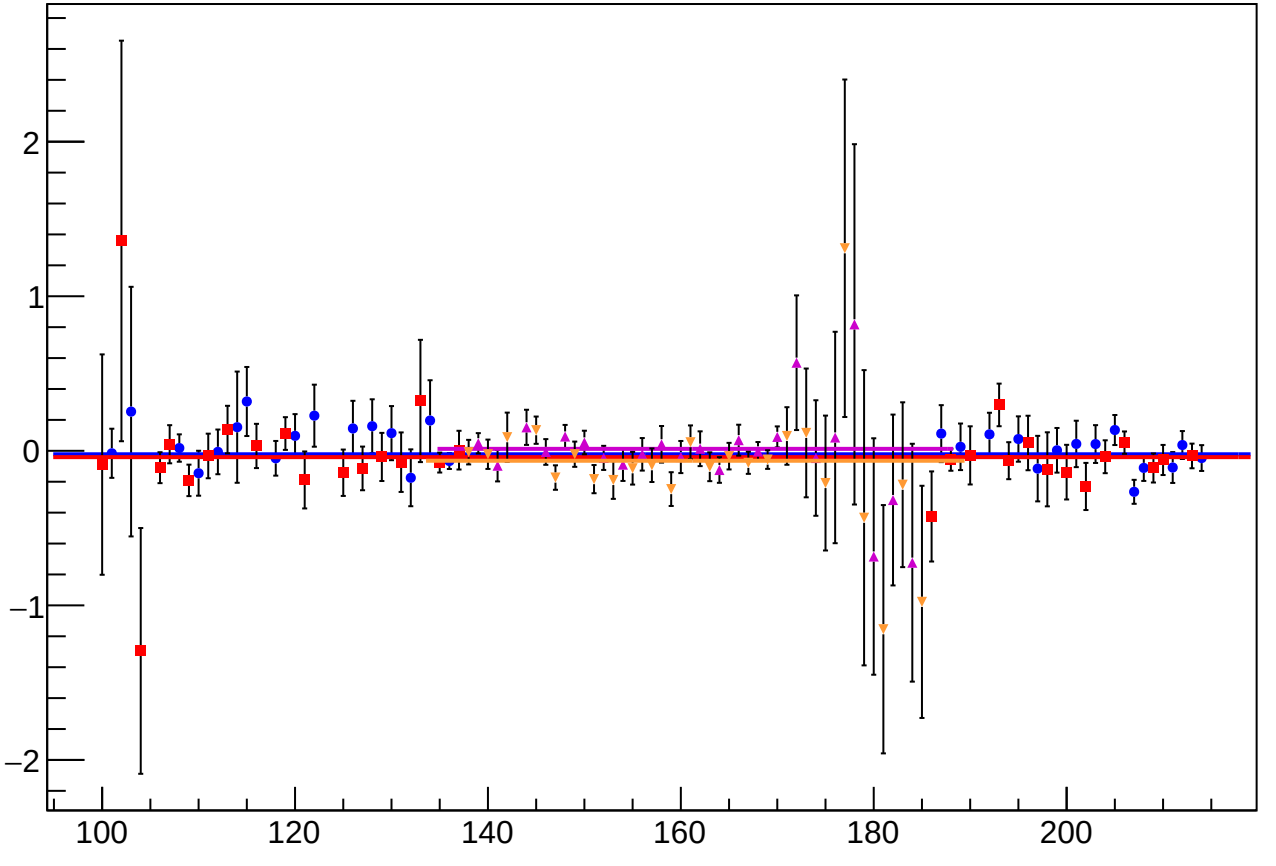
Right: 0.000+/-0.000 χ^2/NDF: 15811839.8/61

In: 0.000+/-0.000 χ^2/NDF:12523076.1/52

Out: 0.000+/-0.000 χ^2/NDF:12504795.7/55

All: 0.000+/-0.000 χ^2/NDF: 25494274.7/108

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

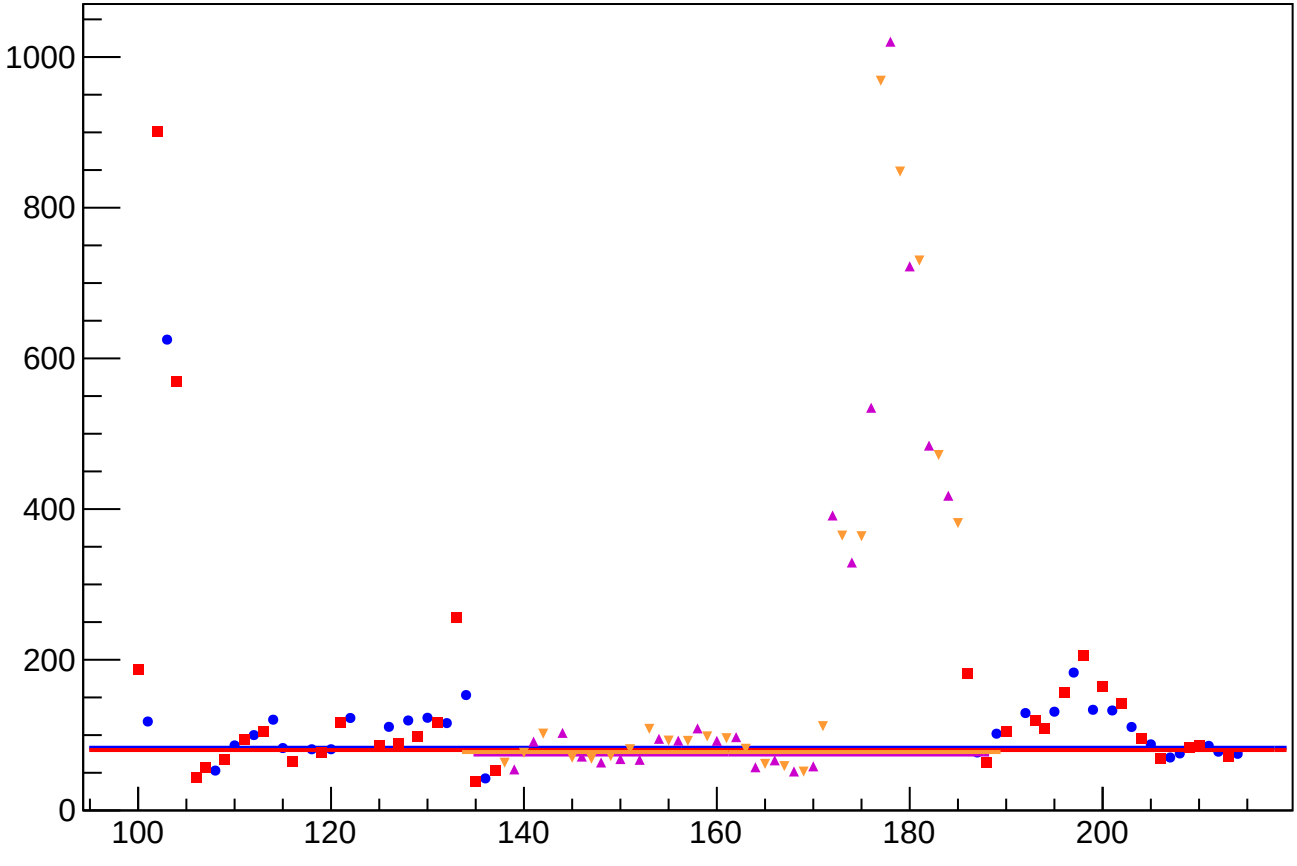
Right: -0.032+/-0.015 χ^2/NDF: 53.9/61

In: -0.004+/-0.015 χ^2/NDF:44.4/52

Out: -0.052+/-0.015 χ^2/NDF:48.4/55

All: -0.028+/-0.011 χ^2/NDF: 97.7/108

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

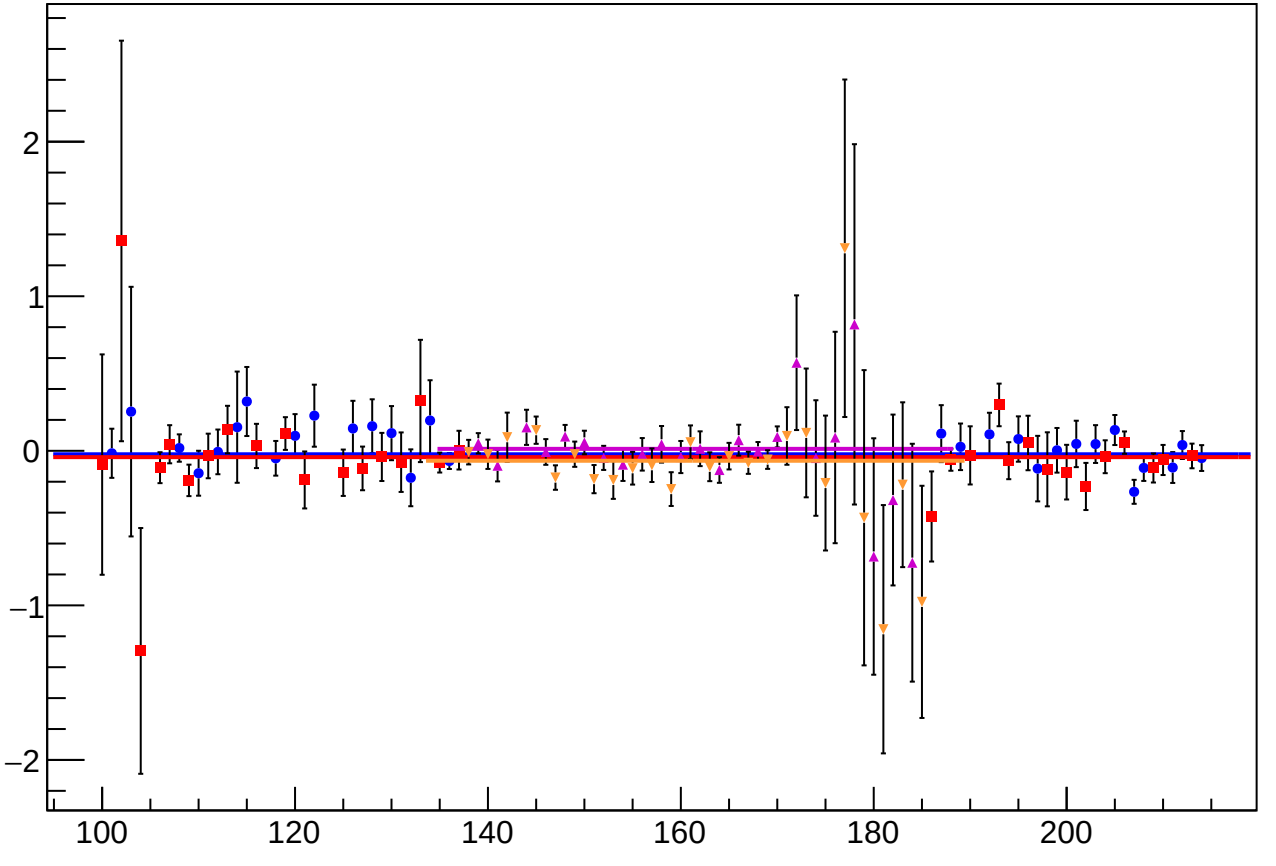
Right: 81.687+/-0.011 χ^2/NDF: 10718179.7/61

In: 78.567+/-0.011 χ^2/NDF:13308132.5/52

Out: 78.886+/-0.011 χ^2/NDF:14426059.2/55

All: 78.724+/-0.008 χ^2/NDF: 27734625.6/108

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

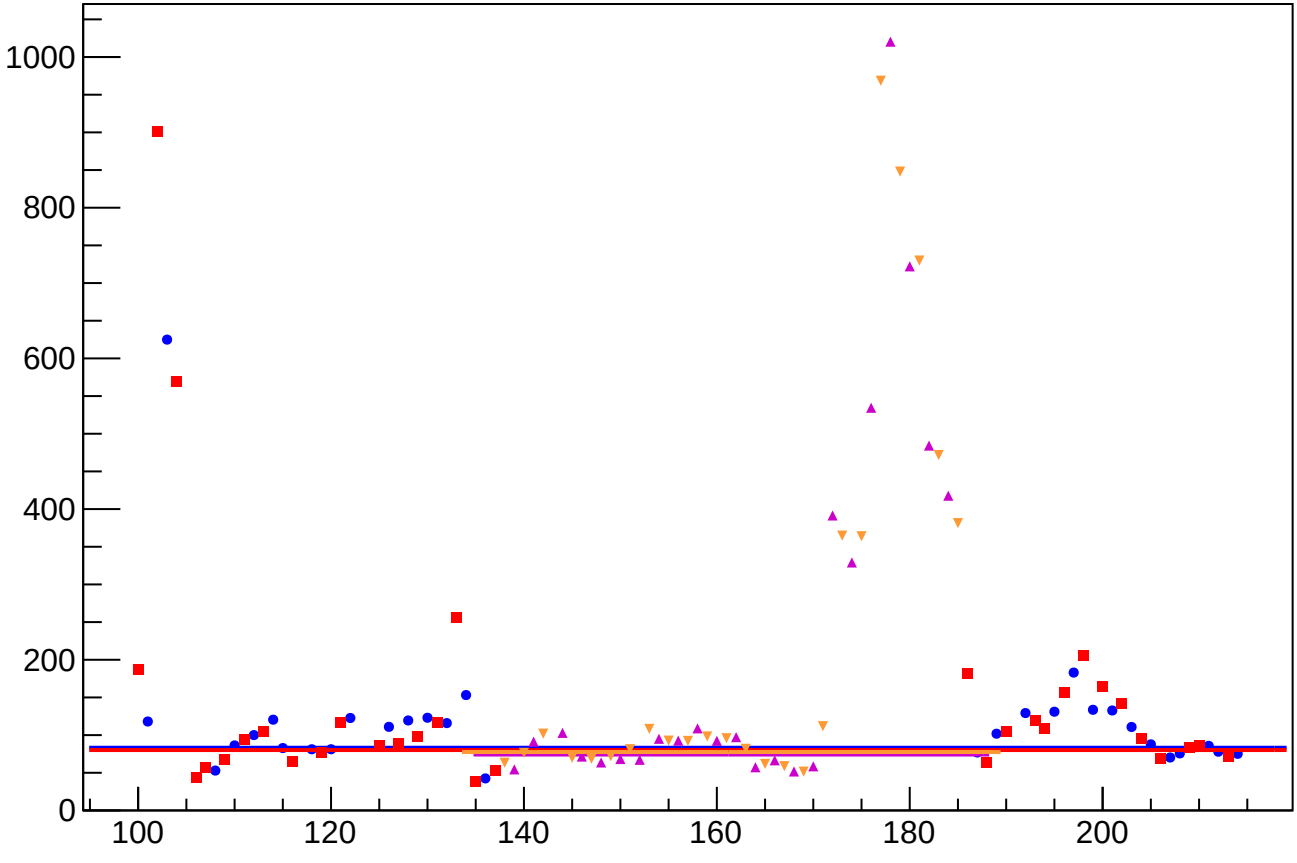
Right: -0.032+/-0.015 χ^2/NDF: 53.9/61

In: -0.004+/-0.015 χ^2/NDF:44.4/52

Out: -0.052+/-0.015 χ^2/NDF:48.4/55

All: -0.028+/-0.011 χ^2/NDF: 97.7/108

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

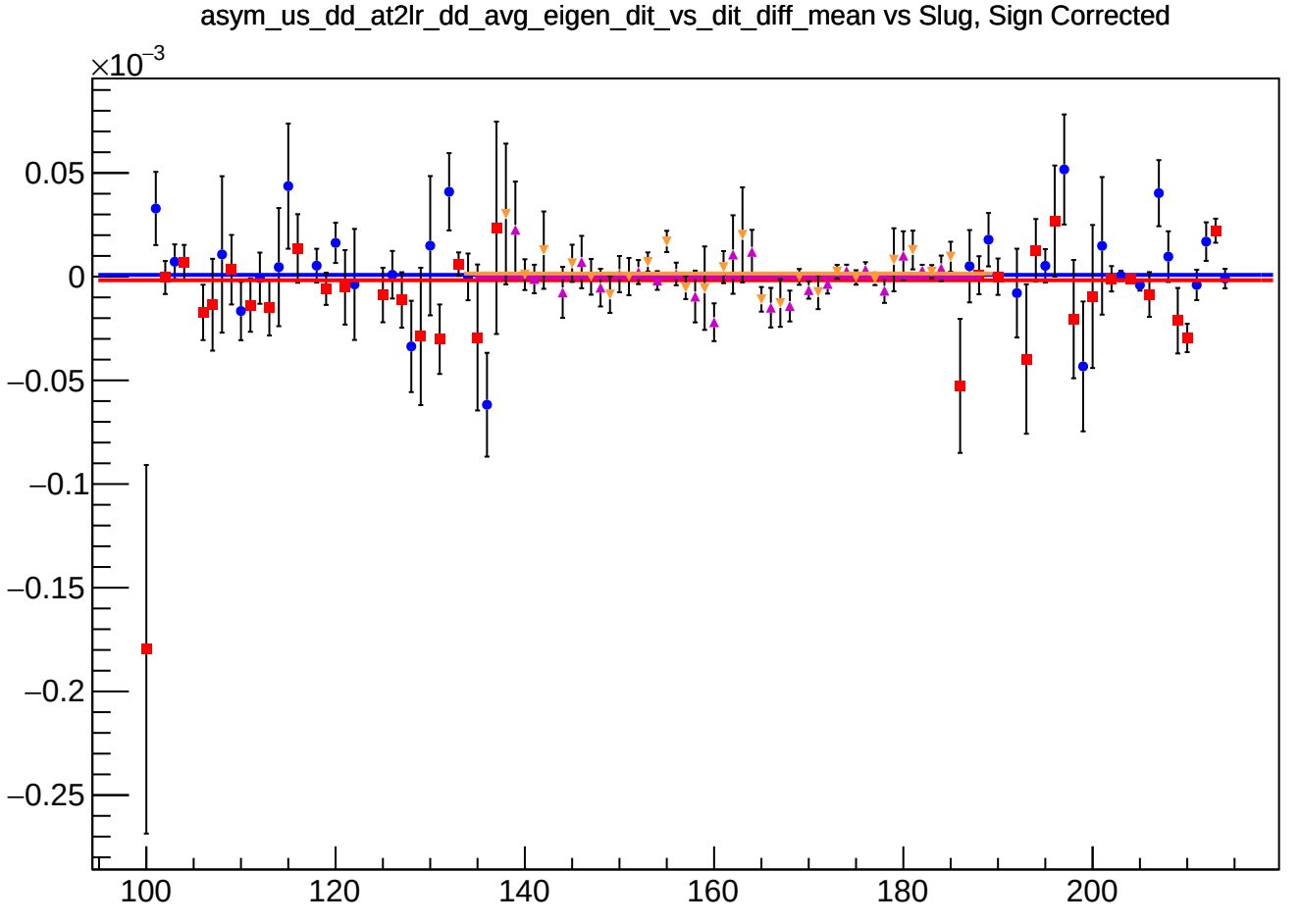
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 81.687+/-0.011 χ^2/NDF: 10718179.7/61

In: 78.567+/-0.011 χ^2/NDF:13308132.5/52

Out: 78.886+/-0.011 χ^2/NDF:14426059.2/55

All: 78.724+/-0.008 χ^2/NDF: 27734625.6/108



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

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

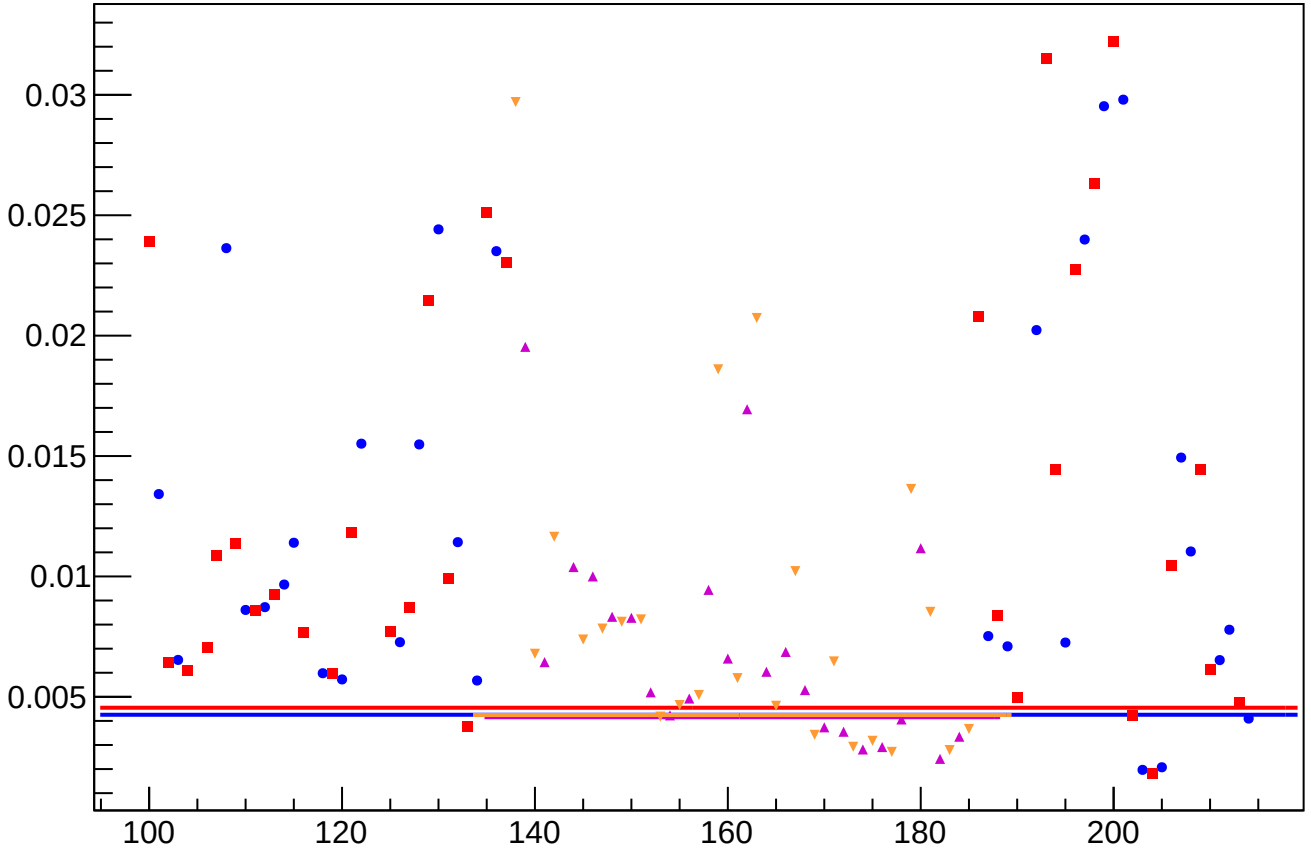
Right: -0.000+/-0.000 χ^2/NDF: 106.0/61

In: 0.000+/-0.000 χ^2/NDF:70.6/52

Out: 0.000+/-0.000 χ^2/NDF:88.9/55

All: 0.000+/-0.000 χ^2/NDF: 159.5/108

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

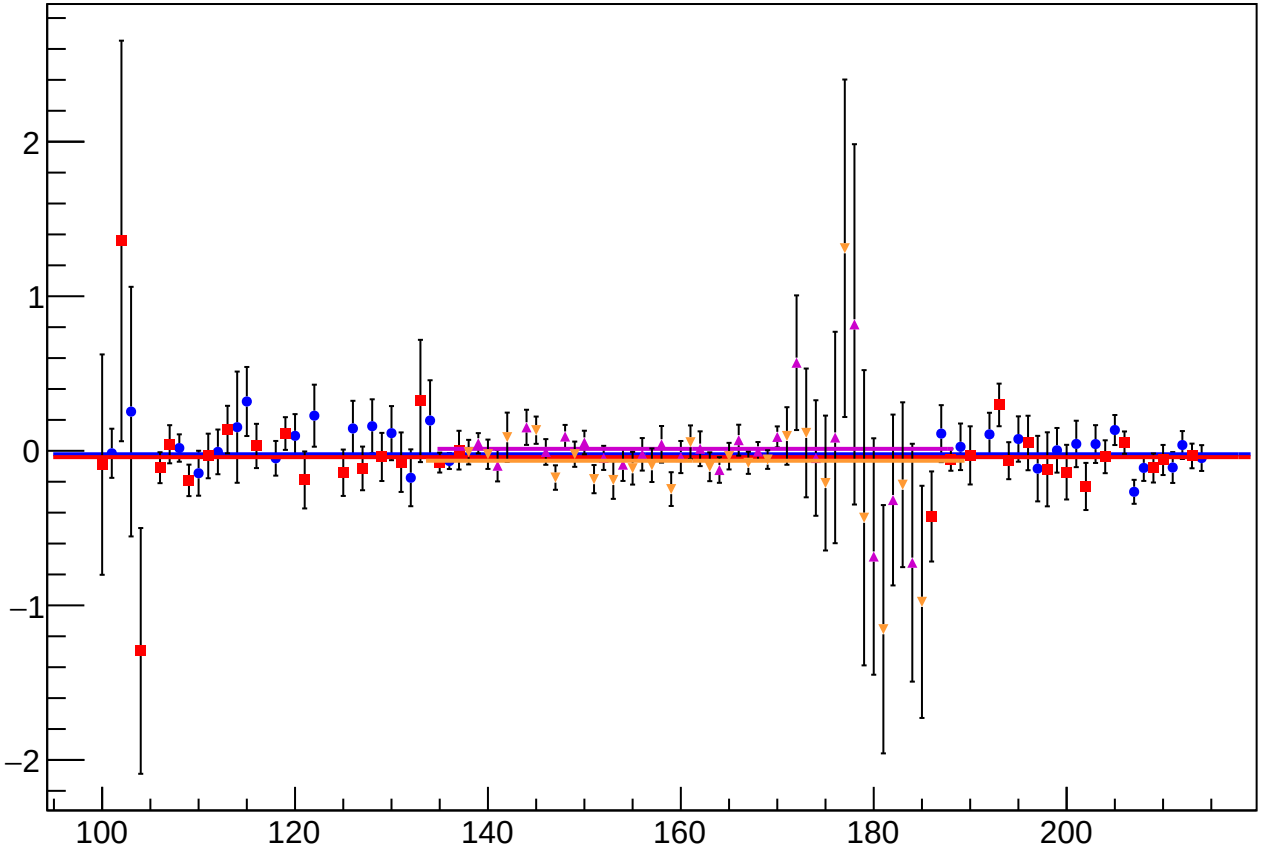
Right: 0.004+/-0.000 χ^2/NDF: 30309163.1/61

In: 0.004+/-0.000 χ^2/NDF:22294750.4/52

Out: 0.004+/-0.000 χ^2/NDF:23569648.1/55

All: 0.004+/-0.000 χ^2/NDF: 45898289.9/108

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

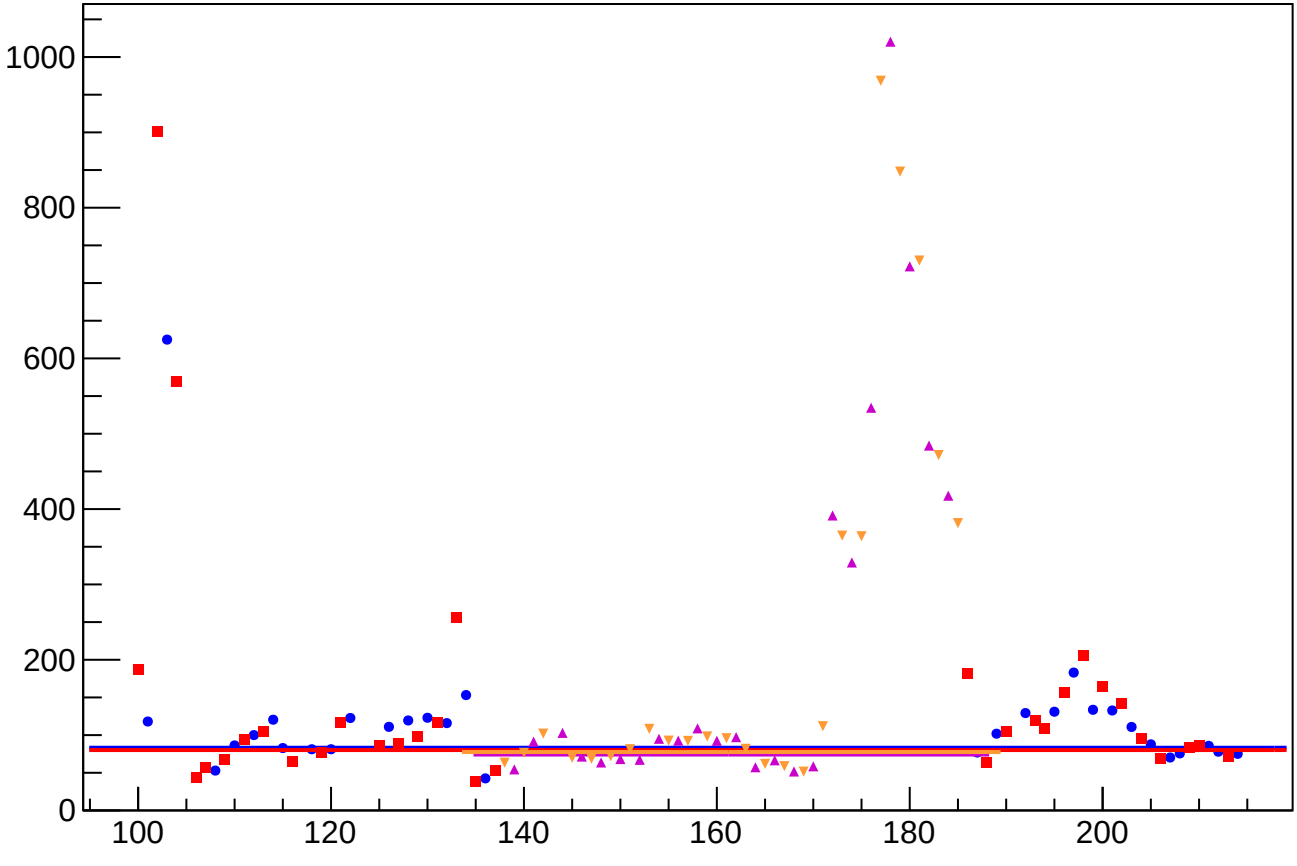
Right: -0.032+/-0.015 χ^2/NDF: 53.9/61

In: -0.004+/-0.015 χ^2/NDF:44.4/52

Out: -0.052+/-0.015 χ^2/NDF:48.4/55

All: -0.028+/-0.011 χ^2/NDF: 97.7/108

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

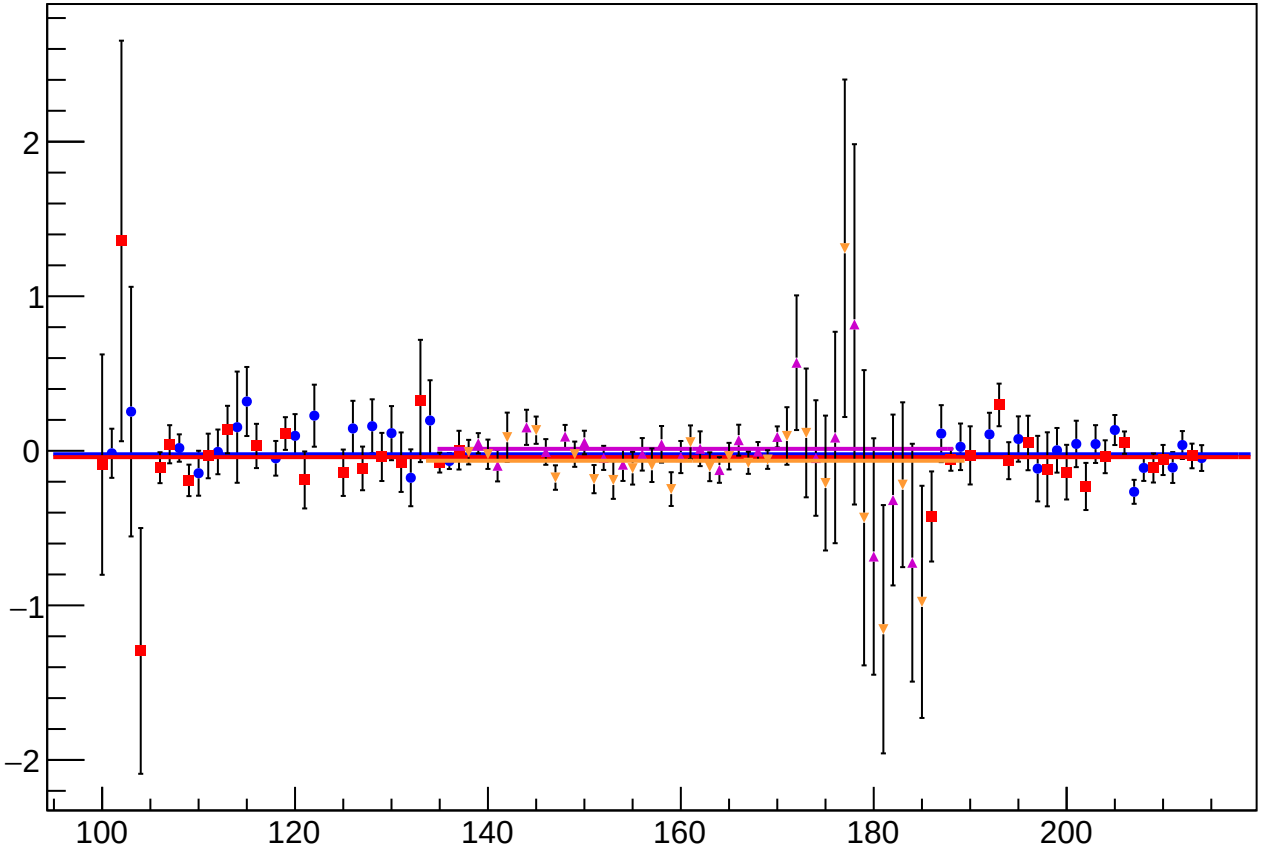
Right: 81.690+/-0.011 χ^2/NDF: 10716726.7/61

In: 78.574+/-0.011 χ^2/NDF:13305016.3/52

Out: 78.883+/-0.011 χ^2/NDF:14427476.1/55

All: 78.726+/-0.008 χ^2/NDF: 27732900.8/108

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

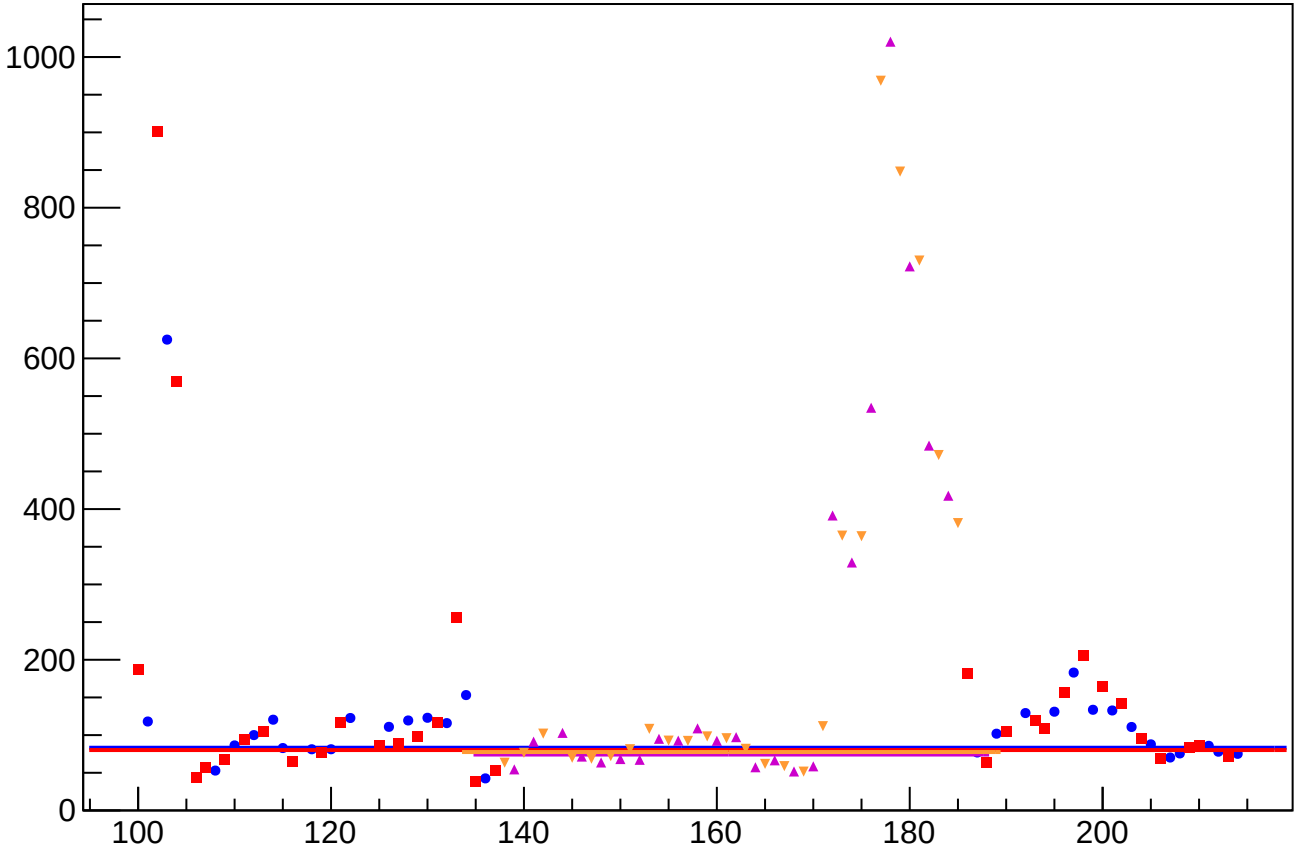
Right: -0.032+/-0.015 χ^2/NDF: 53.9/61

In: -0.004+/-0.015 χ^2/NDF:44.4/52

Out: -0.052+/-0.015 χ^2/NDF:48.4/55

All: -0.028+/-0.011 χ^2/NDF: 97.7/108

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

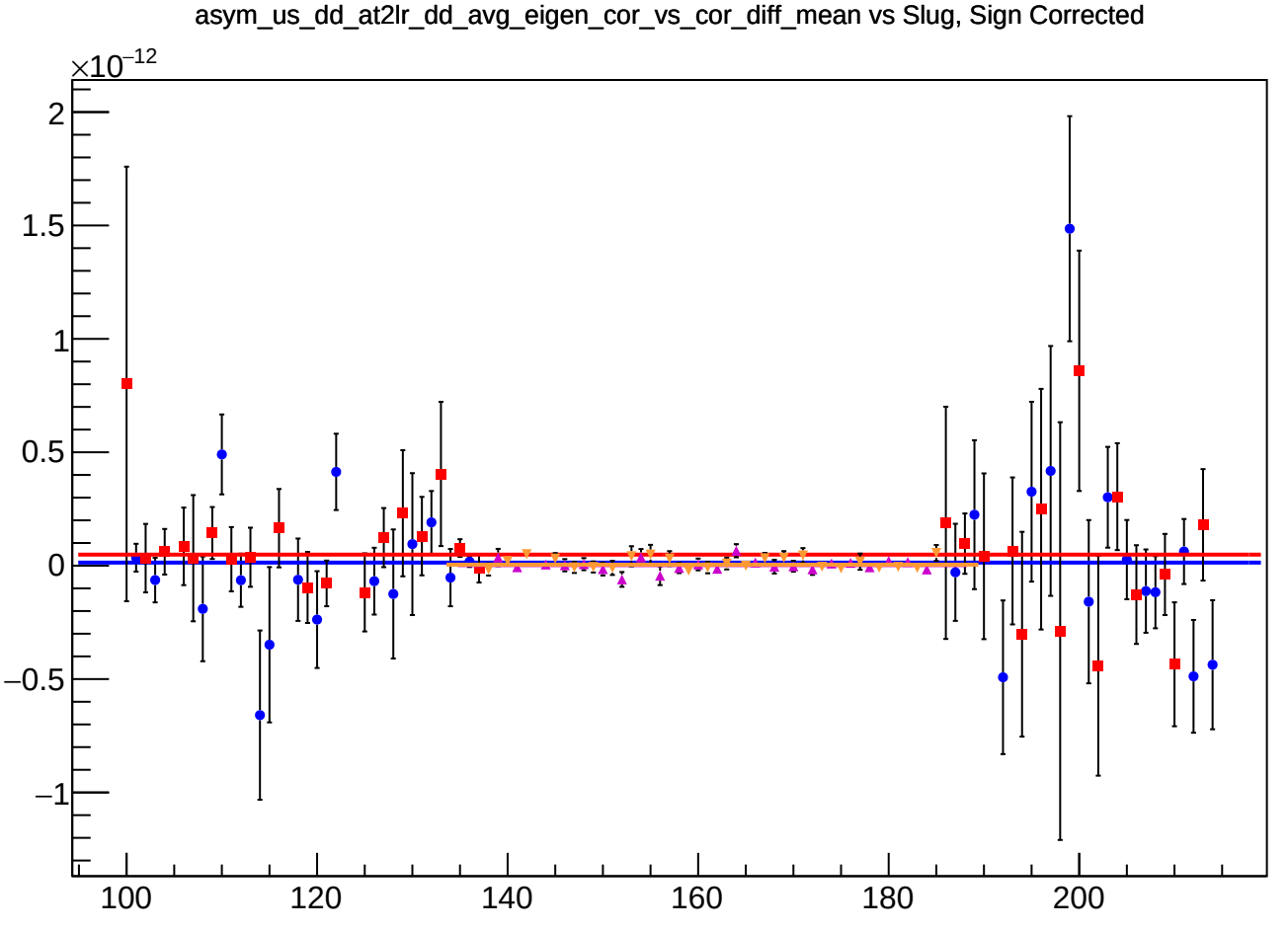
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 81.690+/-0.011 χ^2/NDF: 10716726.7/61

In: 78.574+/-0.011 χ^2/NDF:13305016.3/52

Out: 78.883+/-0.011 χ^2/NDF:14427476.1/55

All: 78.726+/-0.008 χ^2/NDF: 27732900.8/108



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

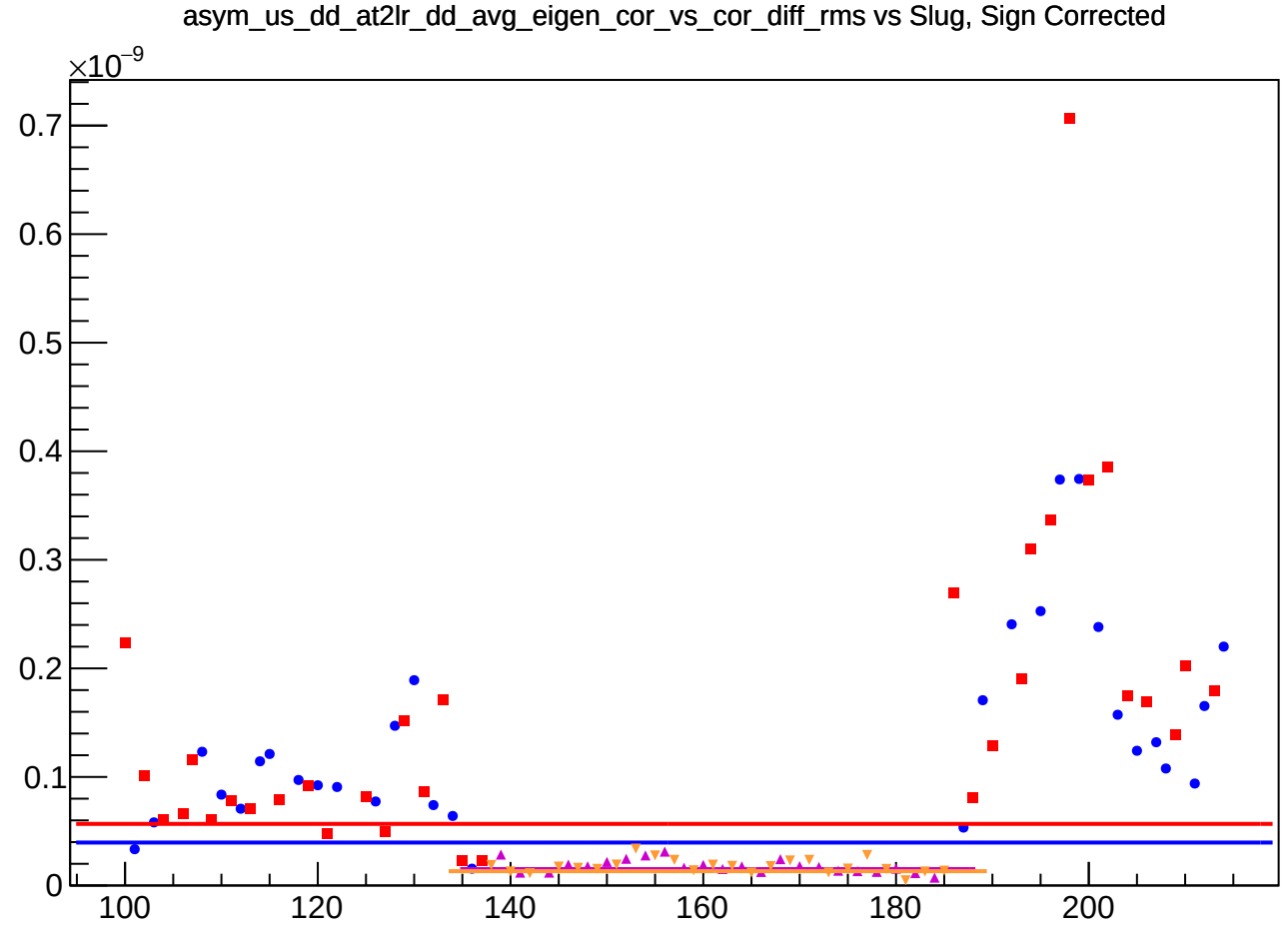
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

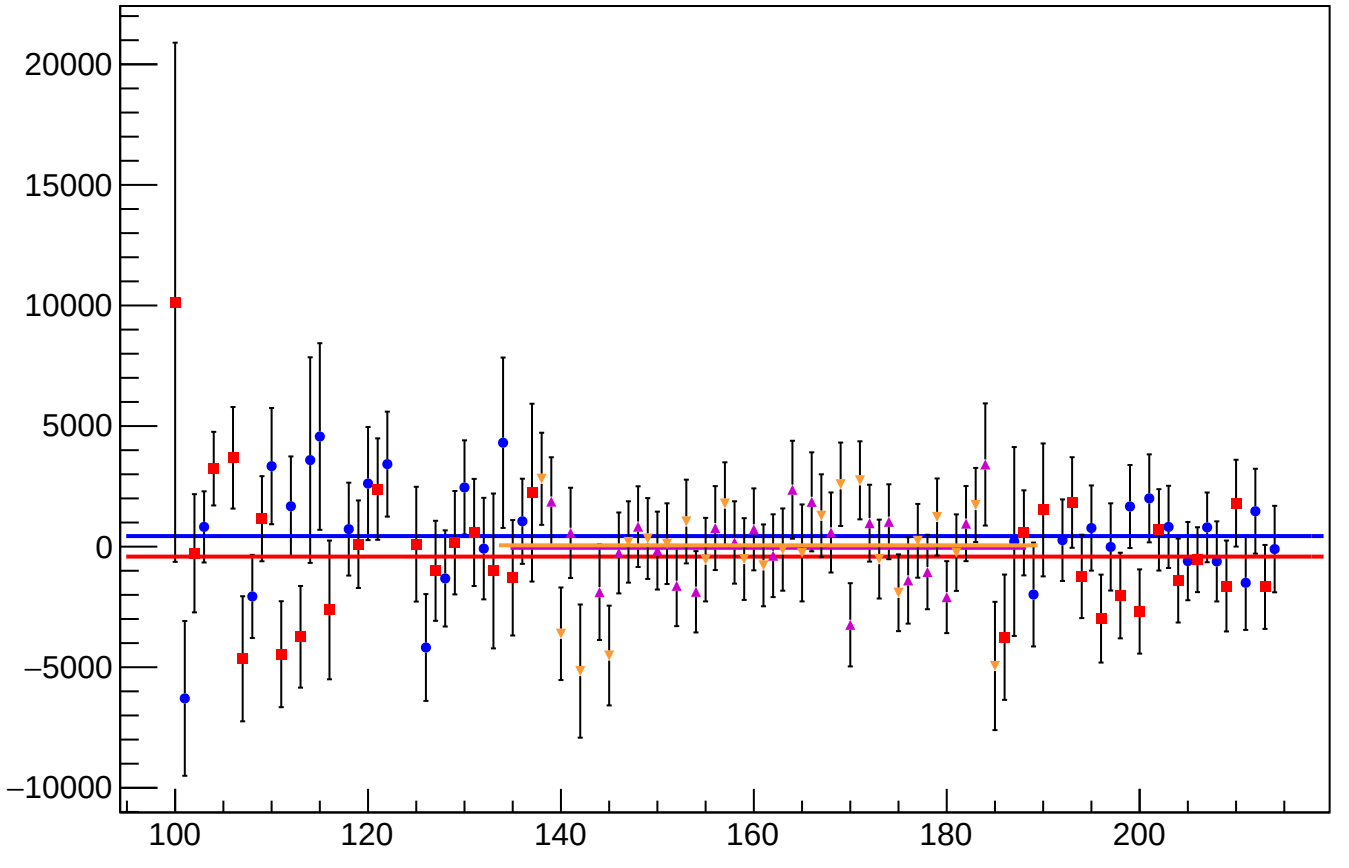
Right: 0.000+/-0.000 χ^2/NDF: 66.2/61

In: 0.000+/-0.000 χ^2/NDF:63.7/52

Out: 0.000+/-0.000 χ^2/NDF:44.1/55

All: 0.000+/-0.000 χ^2/NDF: 108.0/108


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 11964792.7/29
Left Out: 0.000+/-0.000 χ²/NDF:4237321.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 10457380.4/31
Left In: 0.000+/-0.000 χ²/NDF:2148796.4/22
Left: 0.000+/-0.000 χ²/NDF: 6568948.9/46
Right: 0.000+/-0.000 χ²/NDF: 23085311.3/61
In: 0.000+/-0.000 χ²/NDF:17412138.4/52
Out: 0.000+/-0.000 χ²/NDF:21374026.6/55
All: 0.000+/-0.000 χ²/NDF: 38981259.5/108



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

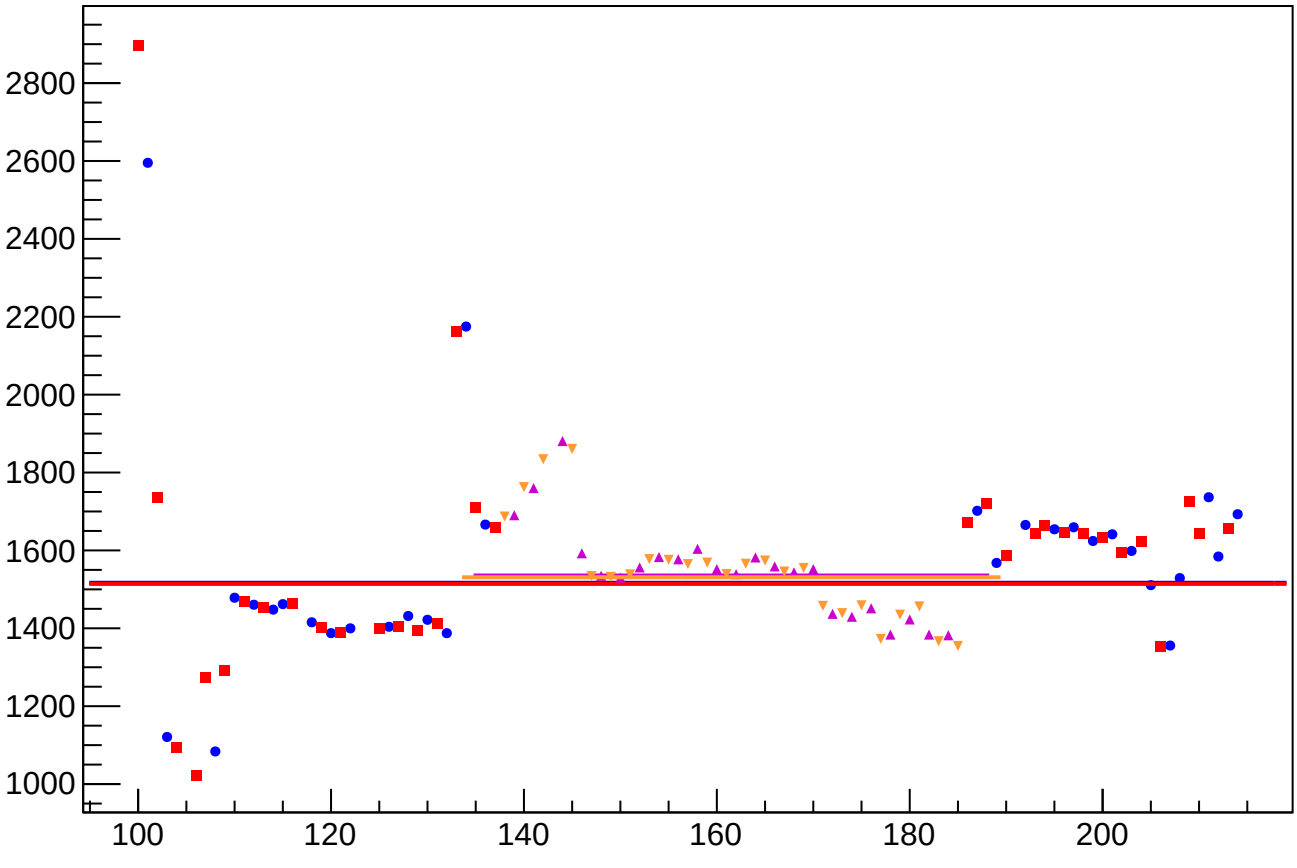
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 10.129+/-252.683 χ^2/NDF: 63.4/61

In: 195.667+/-253.825 χ^2/NDF:43.1/52

Out: -179.030+/-251.971 χ^2/NDF:64.5/55

All: 6.945+/-178.822 χ^2/NDF: 108.7/108



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

Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

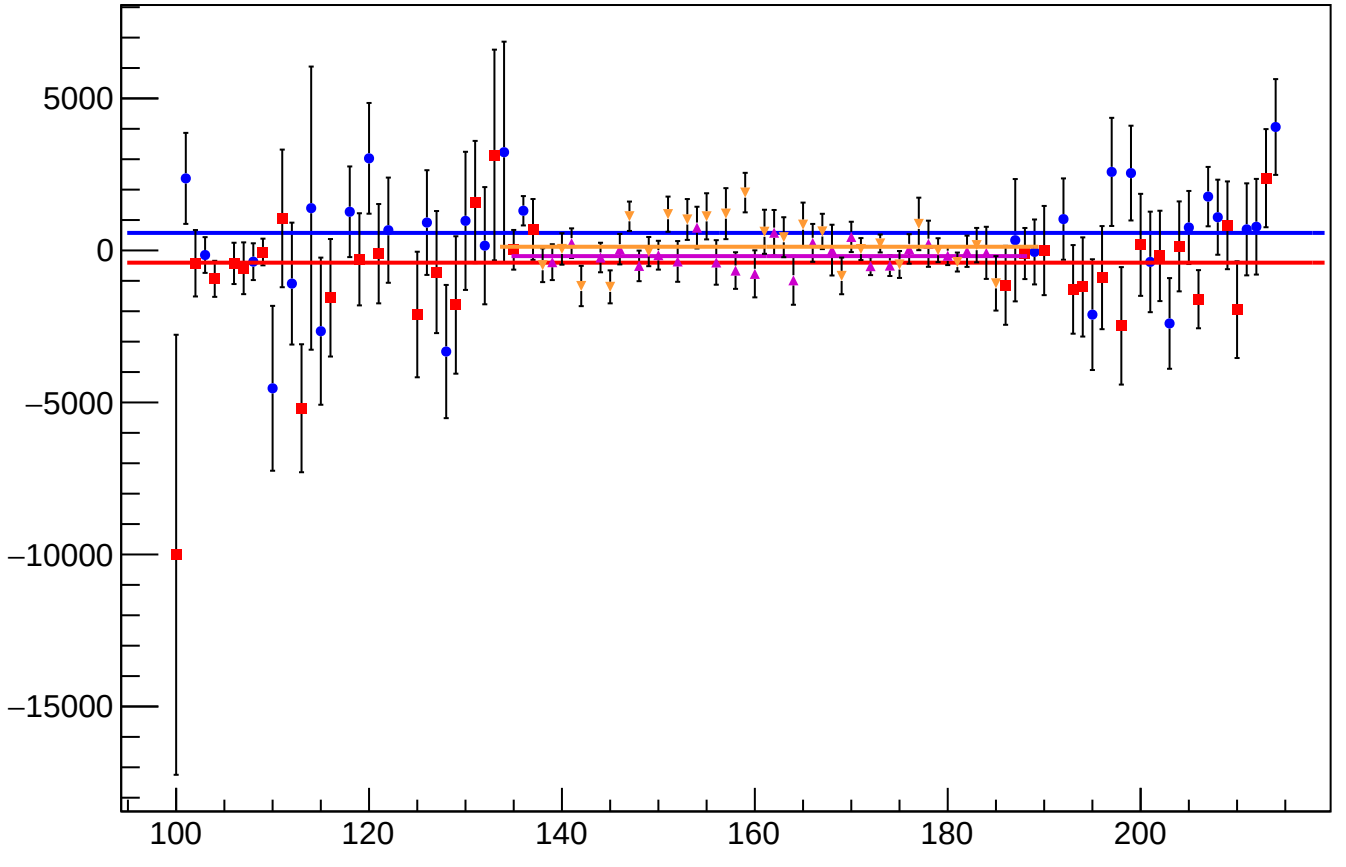
Right: 1515.485+/-0.179 χ^2/NDF: 1438192.4/61

In: 1526.195+/-0.179 χ^2/NDF:956235.4/52

Out: 1522.530+/-0.178 χ^2/NDF:882813.9/55

All: 1524.349+/-0.126 χ^2/NDF: 1839259.2/10

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



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

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

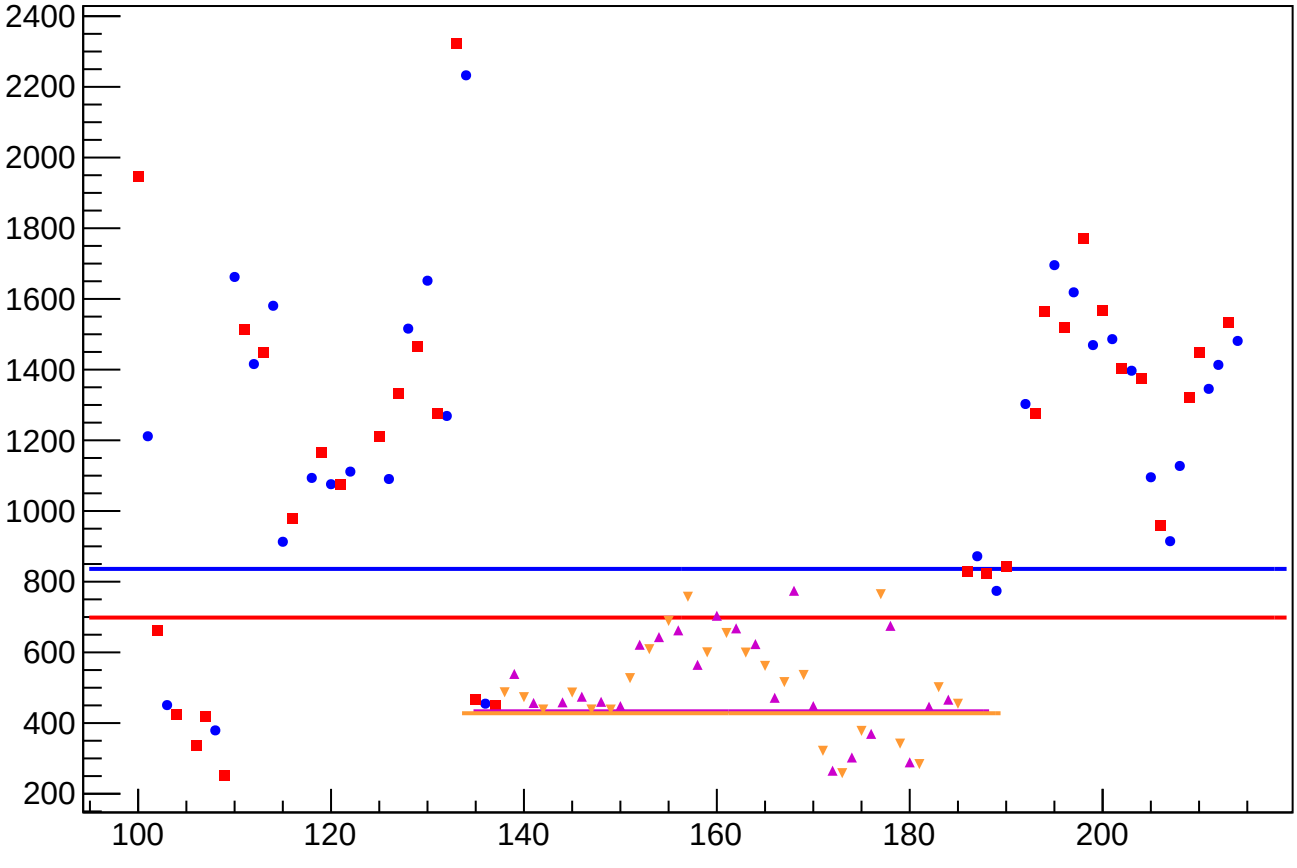
Right: 28.248+/-147.189 χ^2/NDF: 69.8/61

In: -42.877+/-96.364 χ^2/NDF:57.3/52

Out: 5.046+/-92.666 χ^2/NDF:72.0/55

All: -17.978+/-66.794 χ^2/NDF: 129.4/108

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 836.169+/-0.157 χ^2/NDF: 7868158.3/29

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 698.497+/-0.139 χ^2/NDF: 10697794.1/31

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

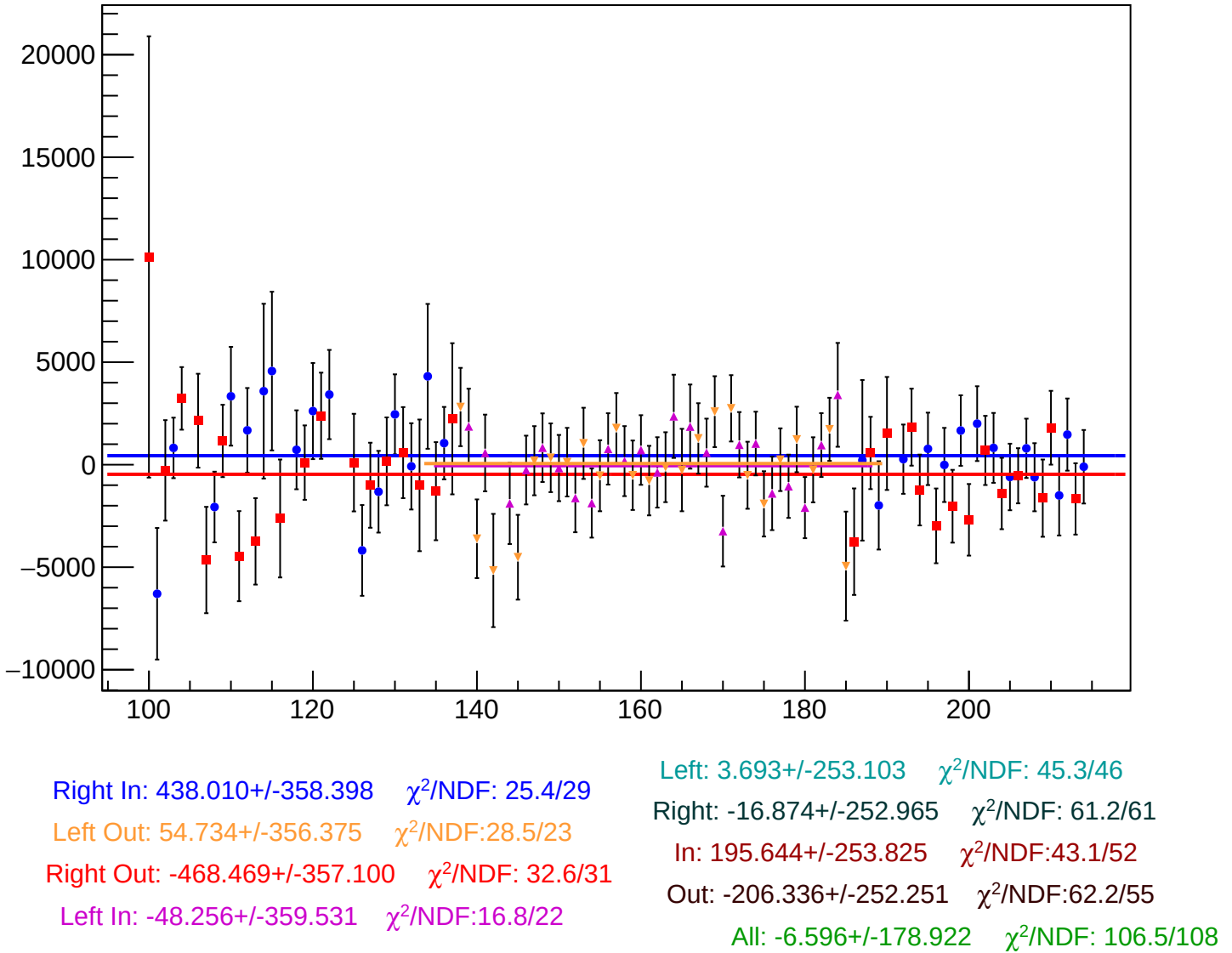
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

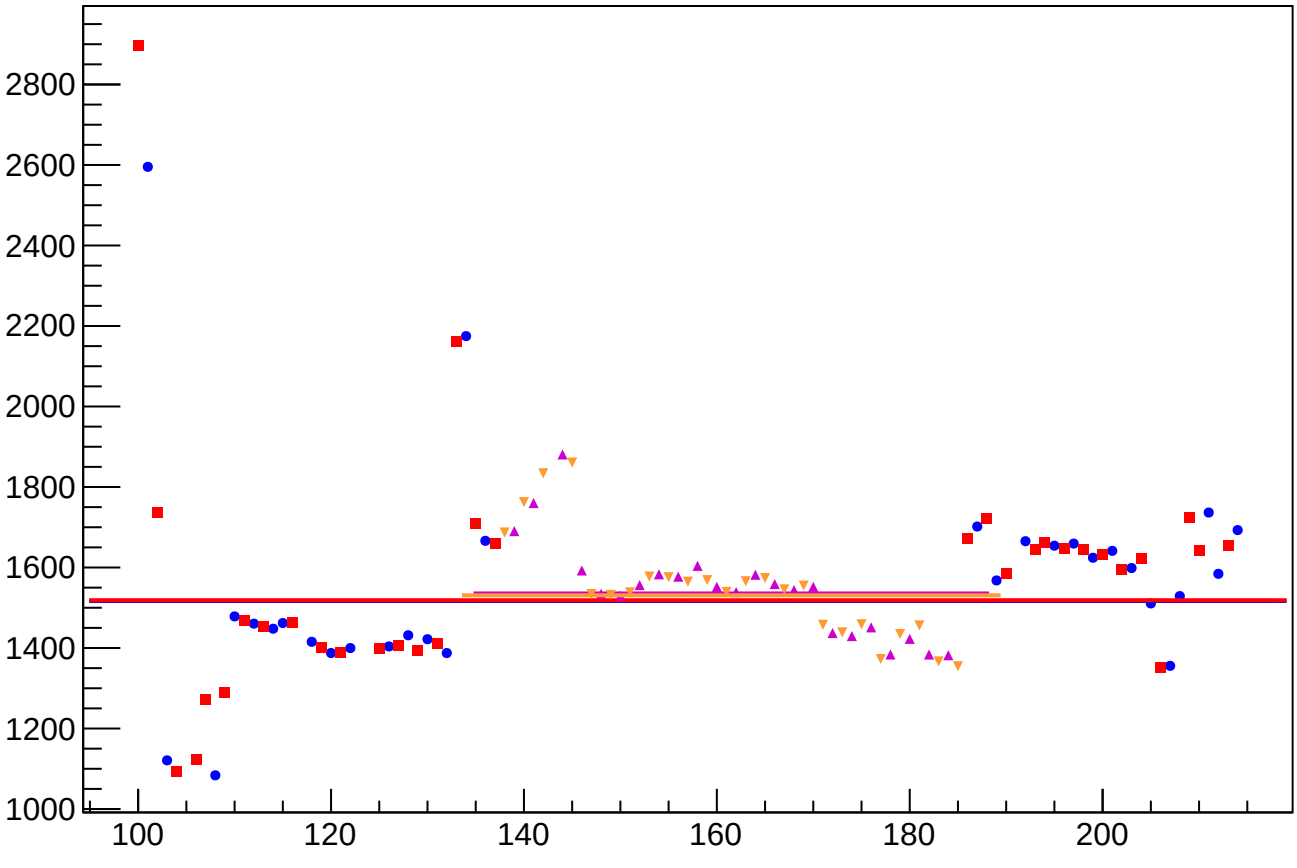
Right: 759.055+/-0.104 χ^2/NDF: 18997056.9/61

In: 509.244+/-0.068 χ^2/NDF:16464673.6/52

Out: 487.910+/-0.066 χ^2/NDF:16833521.4/55

All: 498.160+/-0.047 χ^2/NDF: 33349123.6/10


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 438.010+/-358.398 χ²/NDF: 25.4/29
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -468.469+/-357.100 χ²/NDF: 32.6/31
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: -16.874+/-252.965 χ²/NDF: 61.2/61
In: 195.644+/-253.825 χ²/NDF:43.1/52
Out: -206.336+/-252.251 χ²/NDF:62.2/55
All: -6.596+/-178.922 χ²/NDF: 106.5/108



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

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

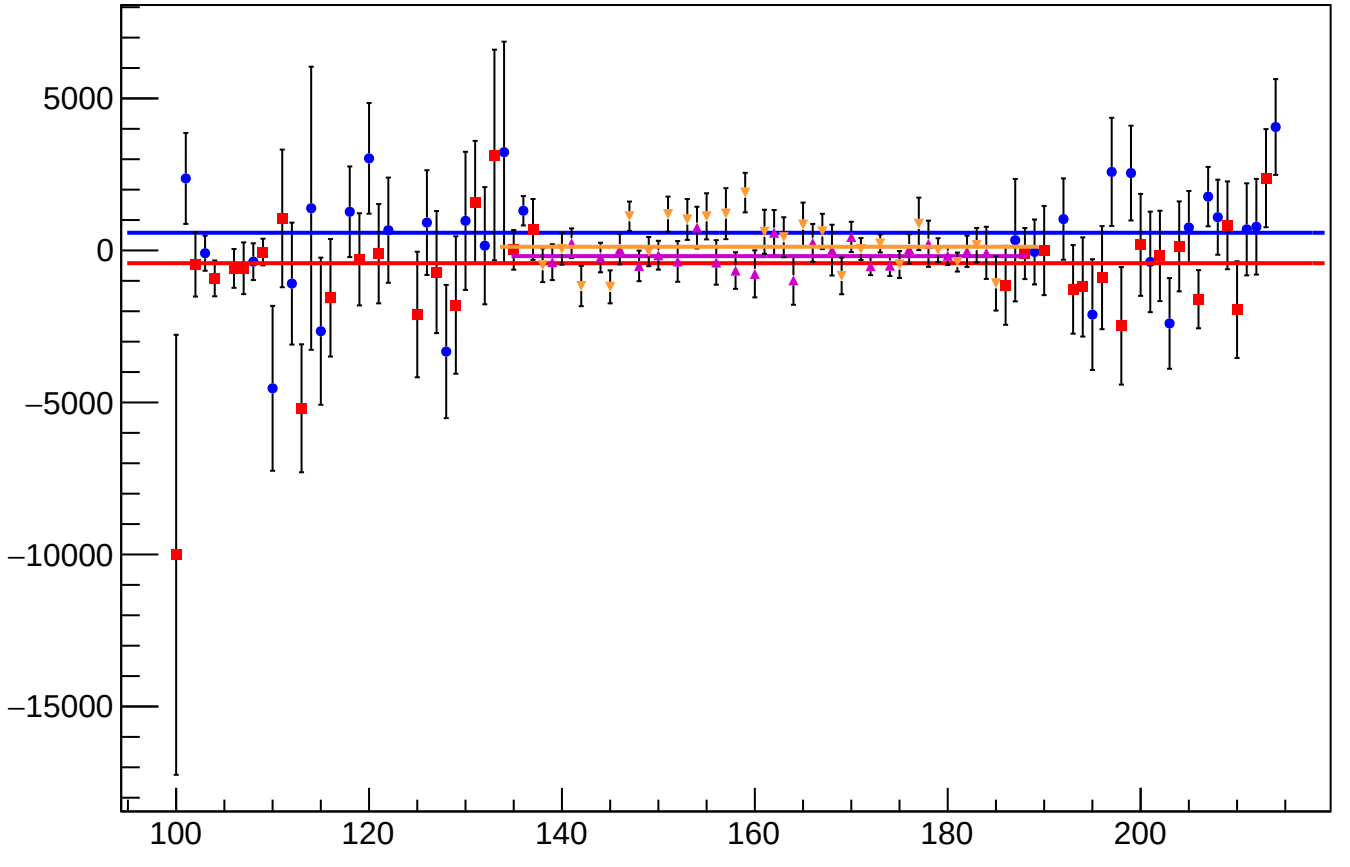
Right: 1517.795+/-0.179 χ^2/NDF: 1387556.1/61

In: 1526.195+/-0.179 χ^2/NDF:956235.8/52

Out: 1524.844+/-0.178 χ^2/NDF:831154.8/55

All: 1525.515+/-0.127 χ^2/NDF: 1787419.0/10

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



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

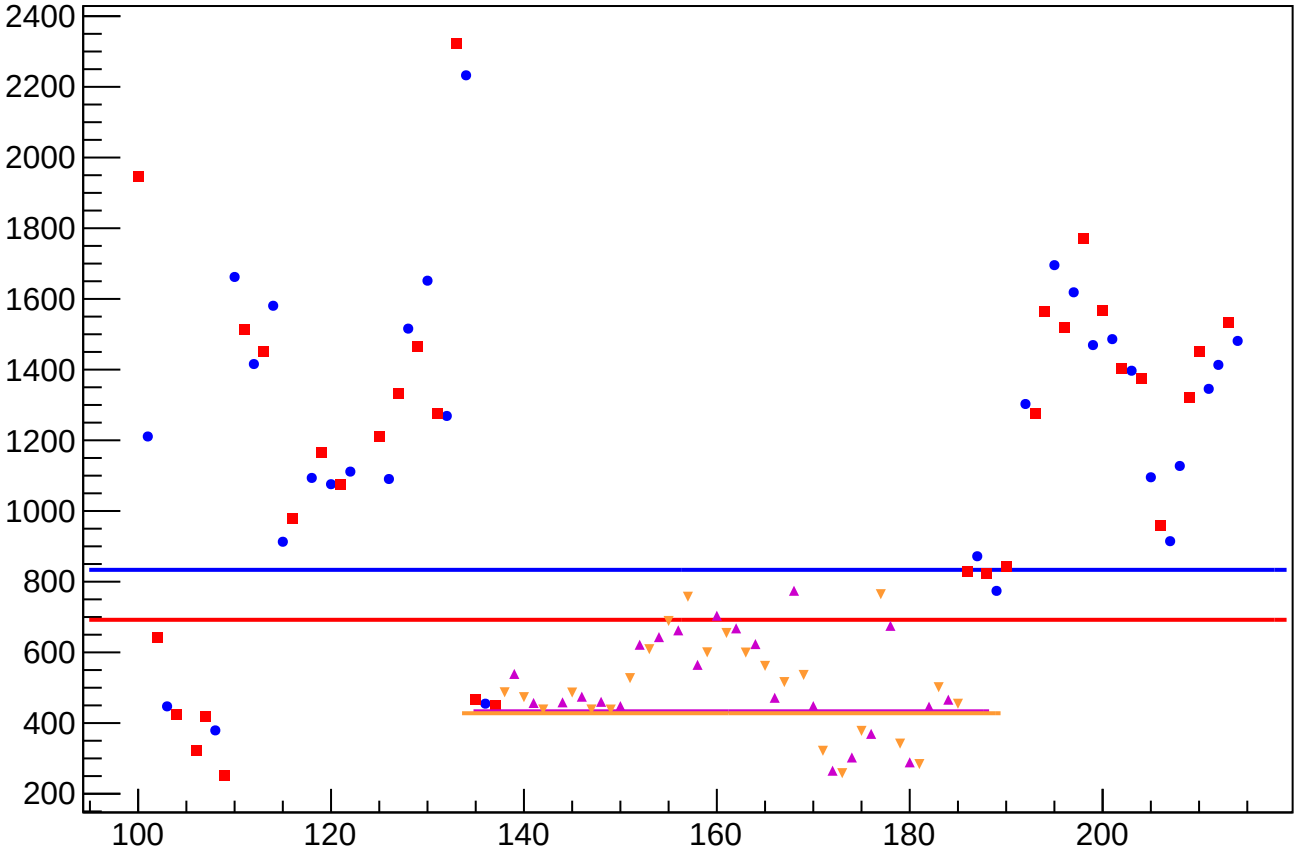
Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

Right: 19.040+/-146.408 χ^2/NDF: 70.2/61

In: -41.479+/-96.314 χ^2/NDF:57.2/52

Out: 0.066+/-92.516 χ^2/NDF:72.5/55

All: -19.871+/-66.721 χ^2/NDF: 129.8/108



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

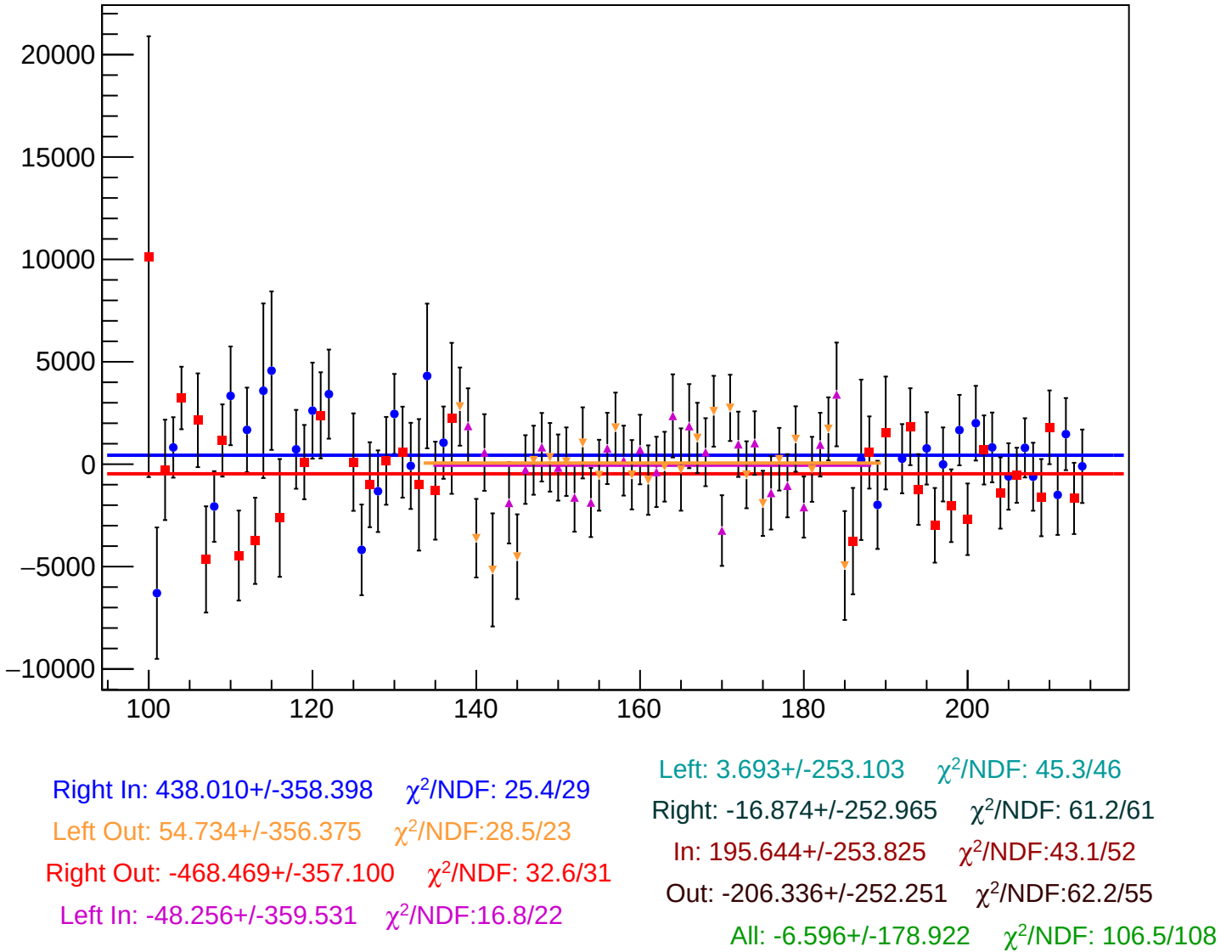
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

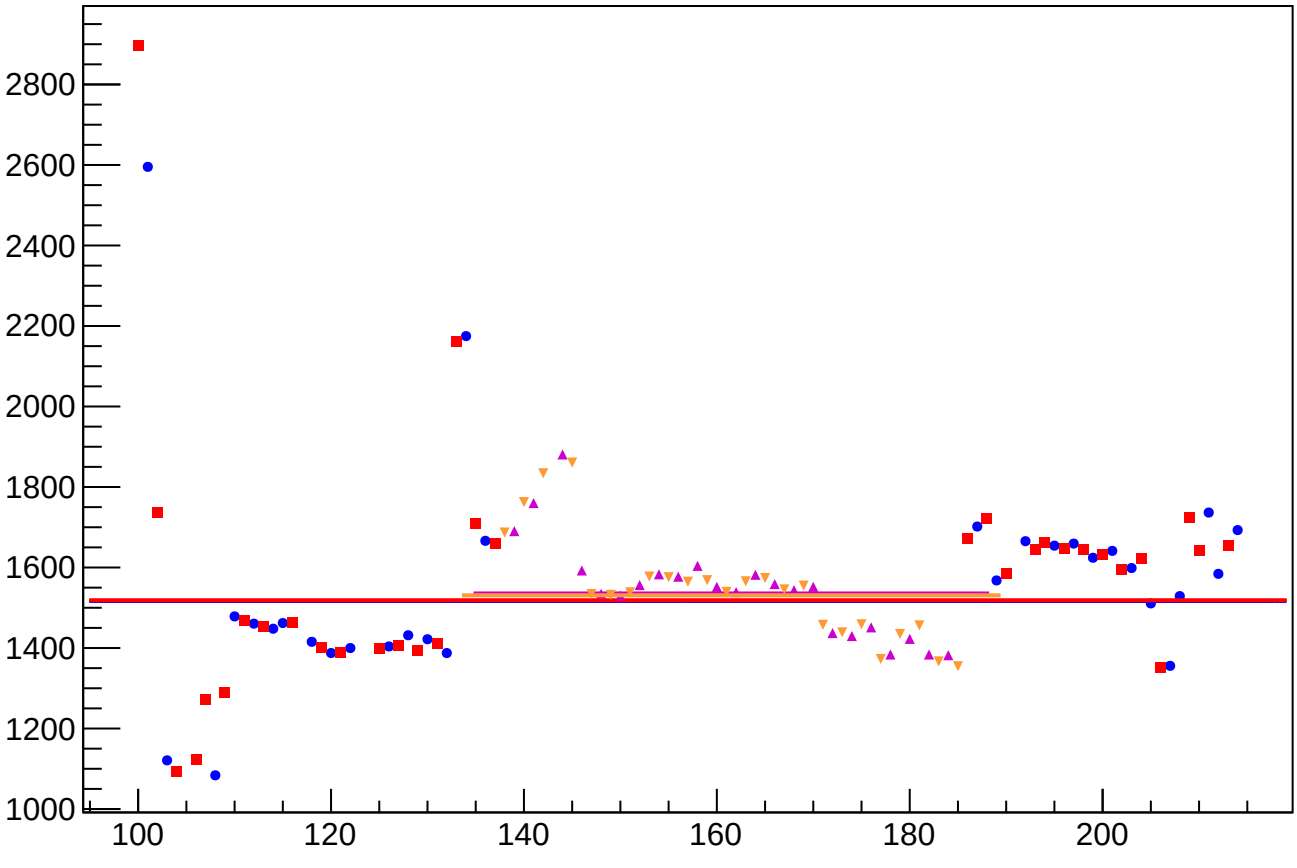
Right: 754.025+/-0.104 χ^2/NDF: 19203164.9/61

In: 509.085+/-0.068 χ^2/NDF:16467452.6/52

Out: 487.175+/-0.065 χ^2/NDF:16858575.1/55

All: 497.689+/-0.047 χ^2/NDF: 33379857.6/10


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 438.010+/-358.398 χ²/NDF: 25.4/29
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -468.469+/-357.100 χ²/NDF: 32.6/31
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: -16.874+/-252.965 χ²/NDF: 61.2/61
In: 195.644+/-253.825 χ²/NDF:43.1/52
Out: -206.336+/-252.251 χ²/NDF:62.2/55
All: -6.596+/-178.922 χ²/NDF: 106.5/108



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

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

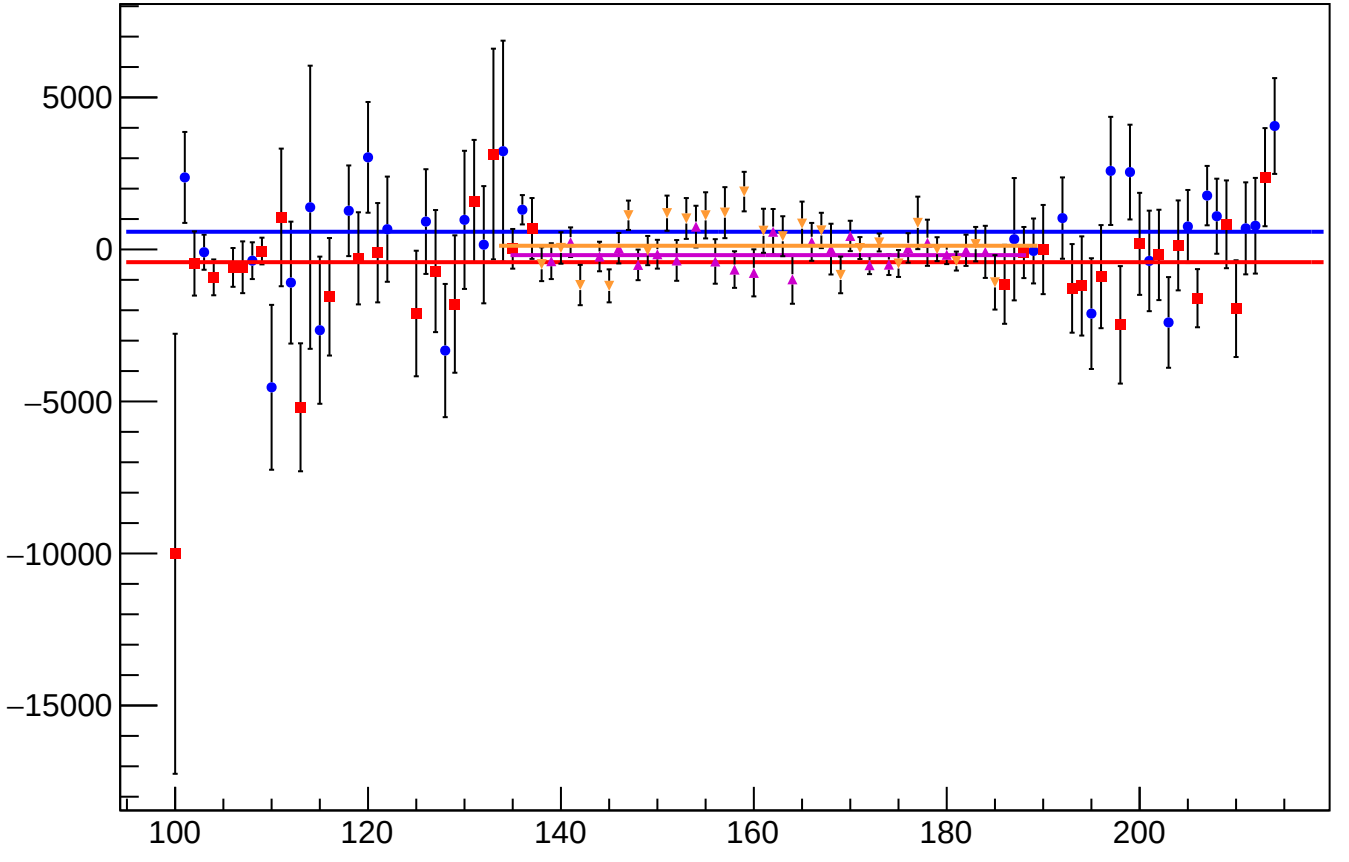
Right: 1517.795+/-0.179 χ^2/NDF: 1387556.1/61

In: 1526.195+/-0.179 χ^2/NDF:956235.8/52

Out: 1524.844+/-0.178 χ^2/NDF:831154.8/55

All: 1525.515+/-0.127 χ^2/NDF: 1787419.0/10

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

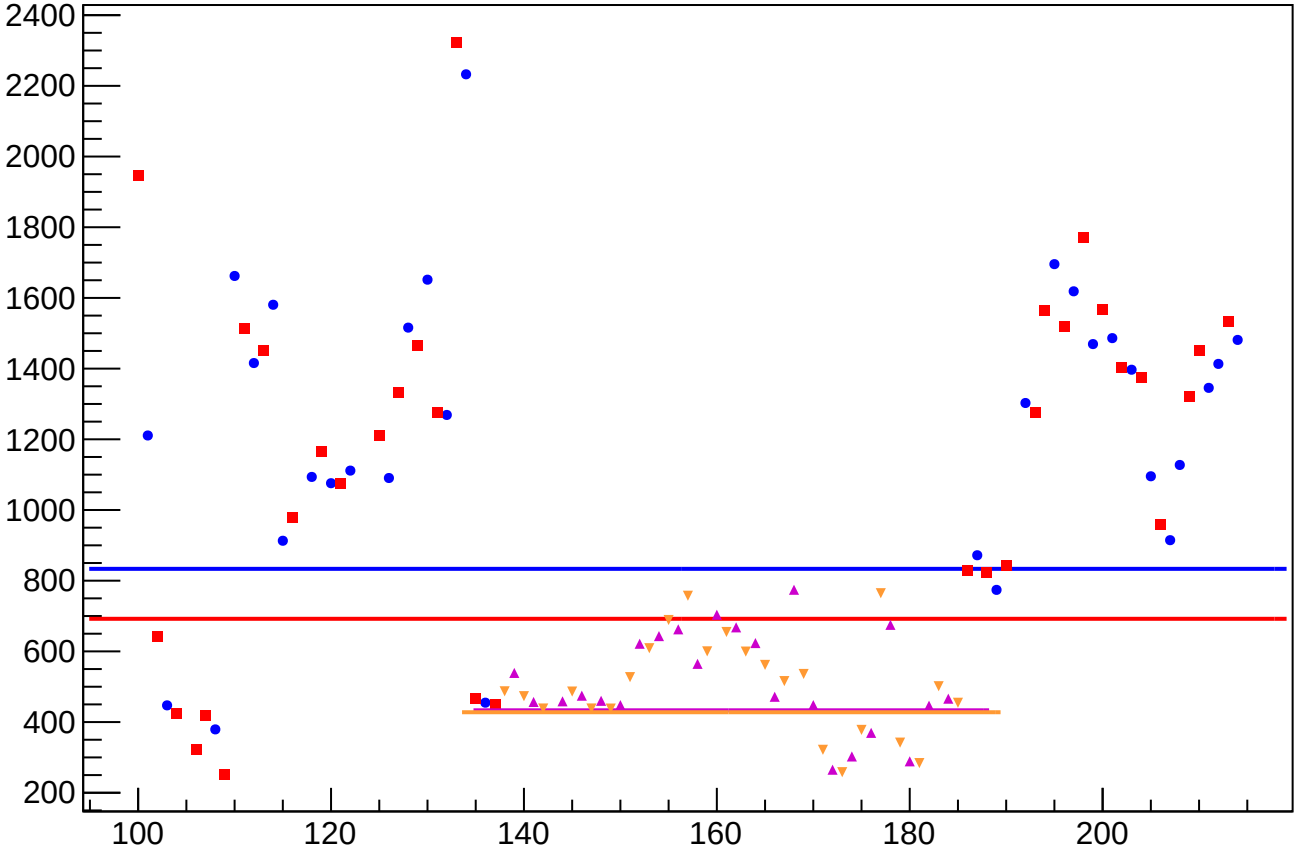
Right: 19.040+/-146.408 χ^2/NDF: 70.2/61

In: -41.479+/-96.314 χ^2/NDF:57.2/52

Out: 0.066+/-92.516 χ^2/NDF:72.5/55

All: -19.871+/-66.721 χ^2/NDF: 129.8/108

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

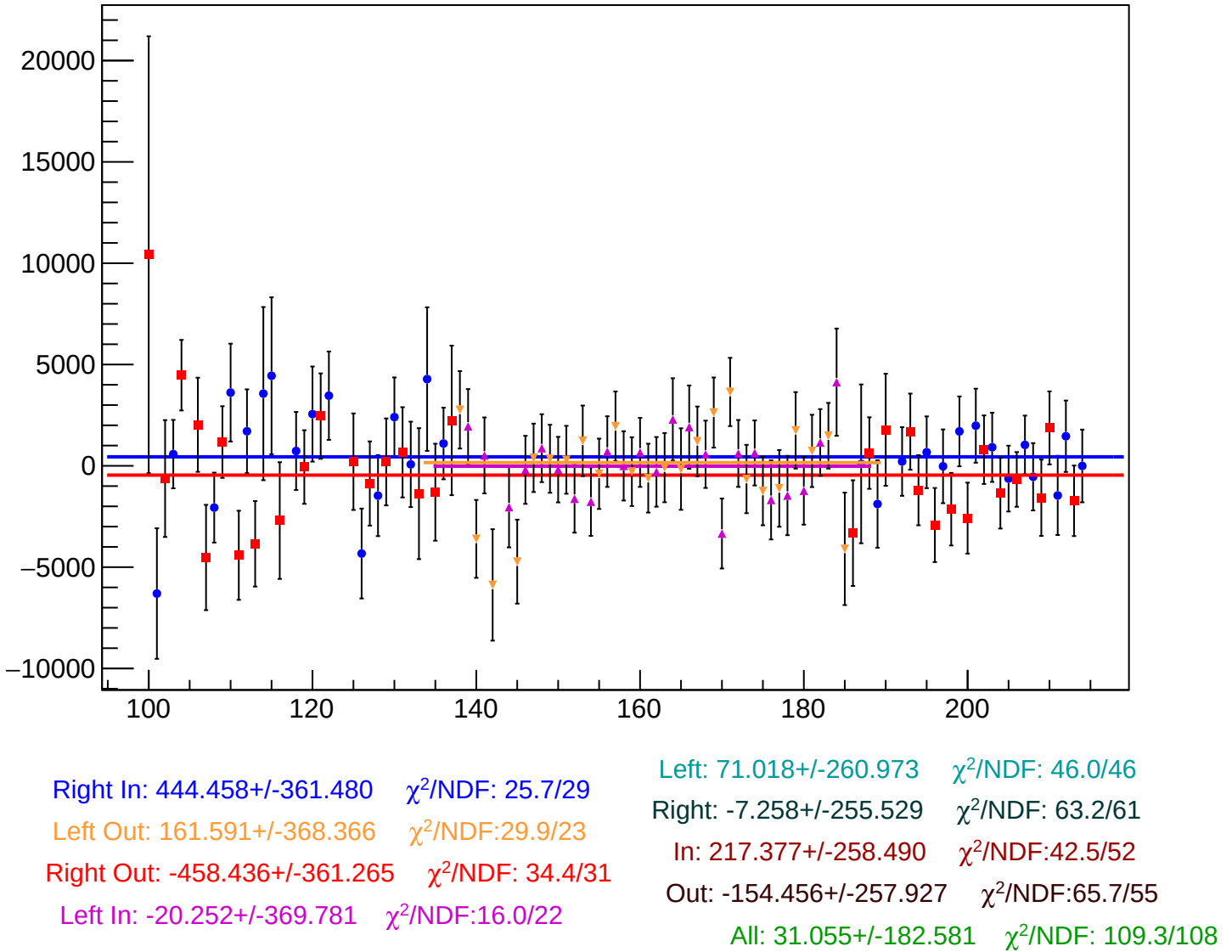
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

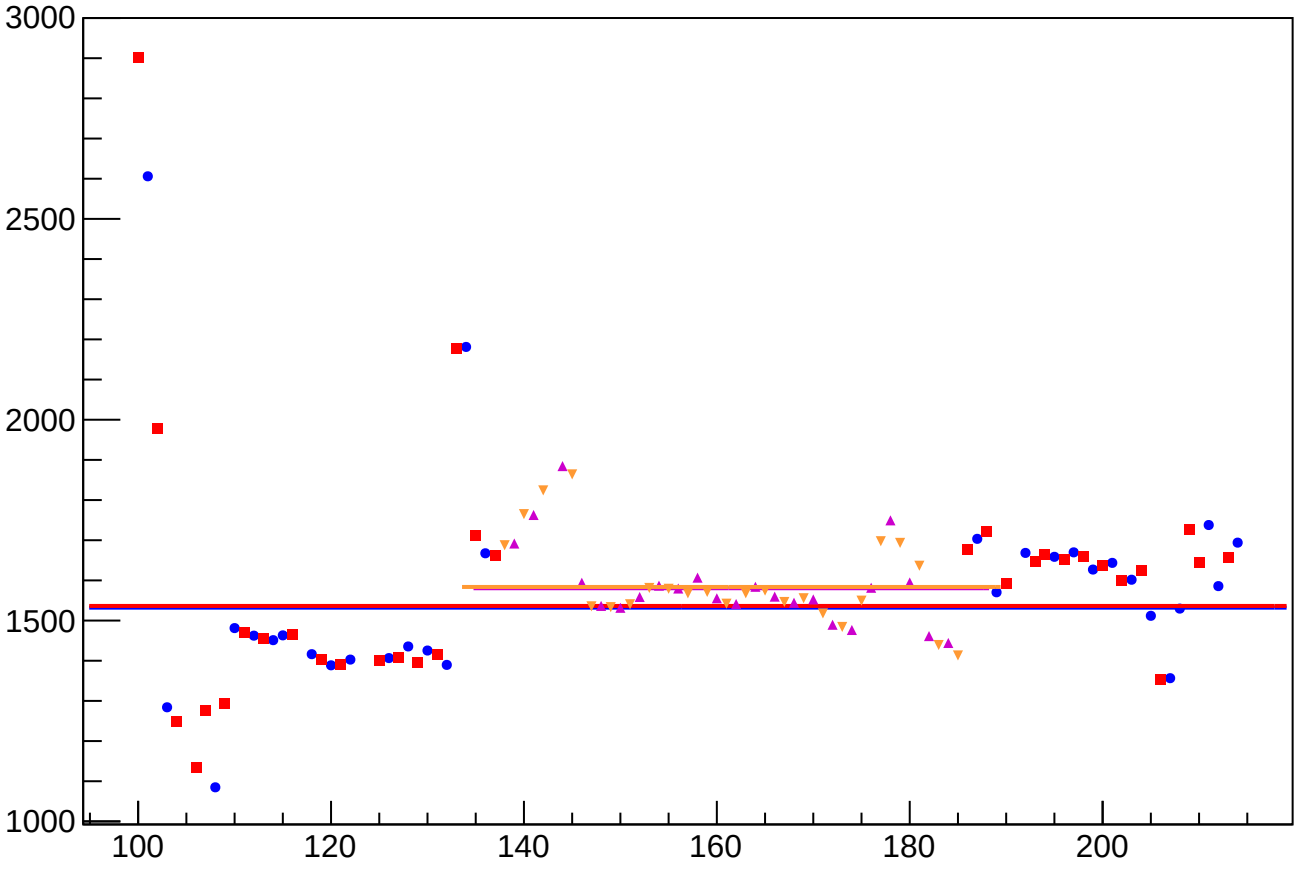
Right: 754.025+/-0.104 χ^2/NDF: 19203164.9/61

In: 509.085+/-0.068 χ^2/NDF:16467452.6/52

Out: 487.175+/-0.065 χ^2/NDF:16858575.1/55

All: 497.689+/-0.047 χ^2/NDF: 33379857.6/10


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 444.458+/-361.480 χ²/NDF: 25.7/29
Left Out: 161.591+/-368.366 χ²/NDF:29.9/23
Right Out: -458.436+/-361.265 χ²/NDF: 34.4/31
Left In: -20.252+/-369.781 χ²/NDF:16.0/22
Left: 71.018+/-260.973 χ²/NDF: 46.0/46
Right: -7.258+/-255.529 χ²/NDF: 63.2/61
In: 217.377+/-258.490 χ²/NDF:42.5/52
Out: -154.456+/-257.927 χ²/NDF:65.7/55
All: 31.055+/-182.581 χ²/NDF: 109.3/108



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

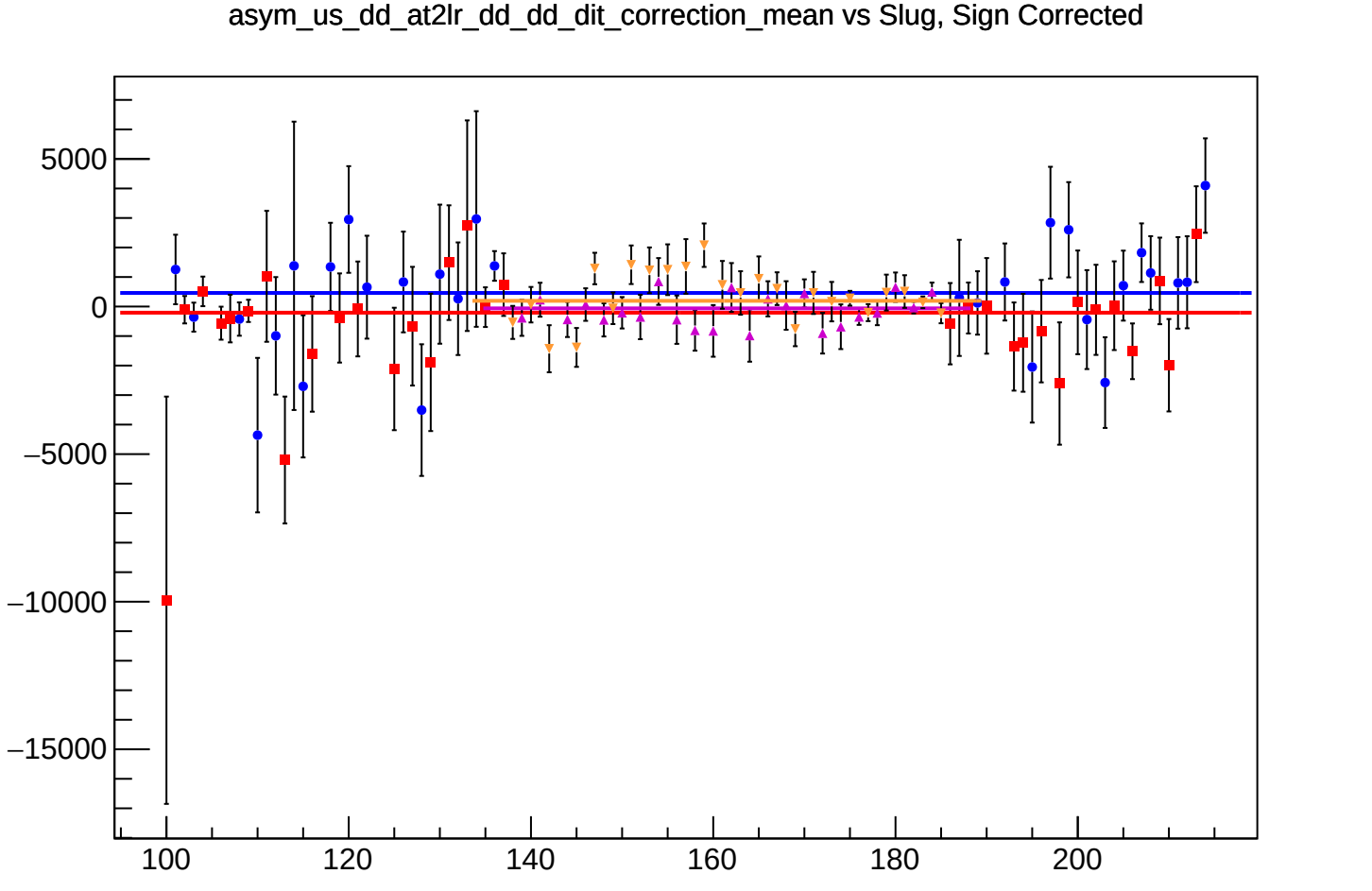
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1534.301+/-0.181 χ^2/NDF: 1207643.7/61

In: 1555.784+/-0.183 χ^2/NDF:799933.0/52

Out: 1559.577+/-0.182 χ^2/NDF:701116.7/55

All: 1557.684+/-0.129 χ^2/NDF: 1501265.5/10



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

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

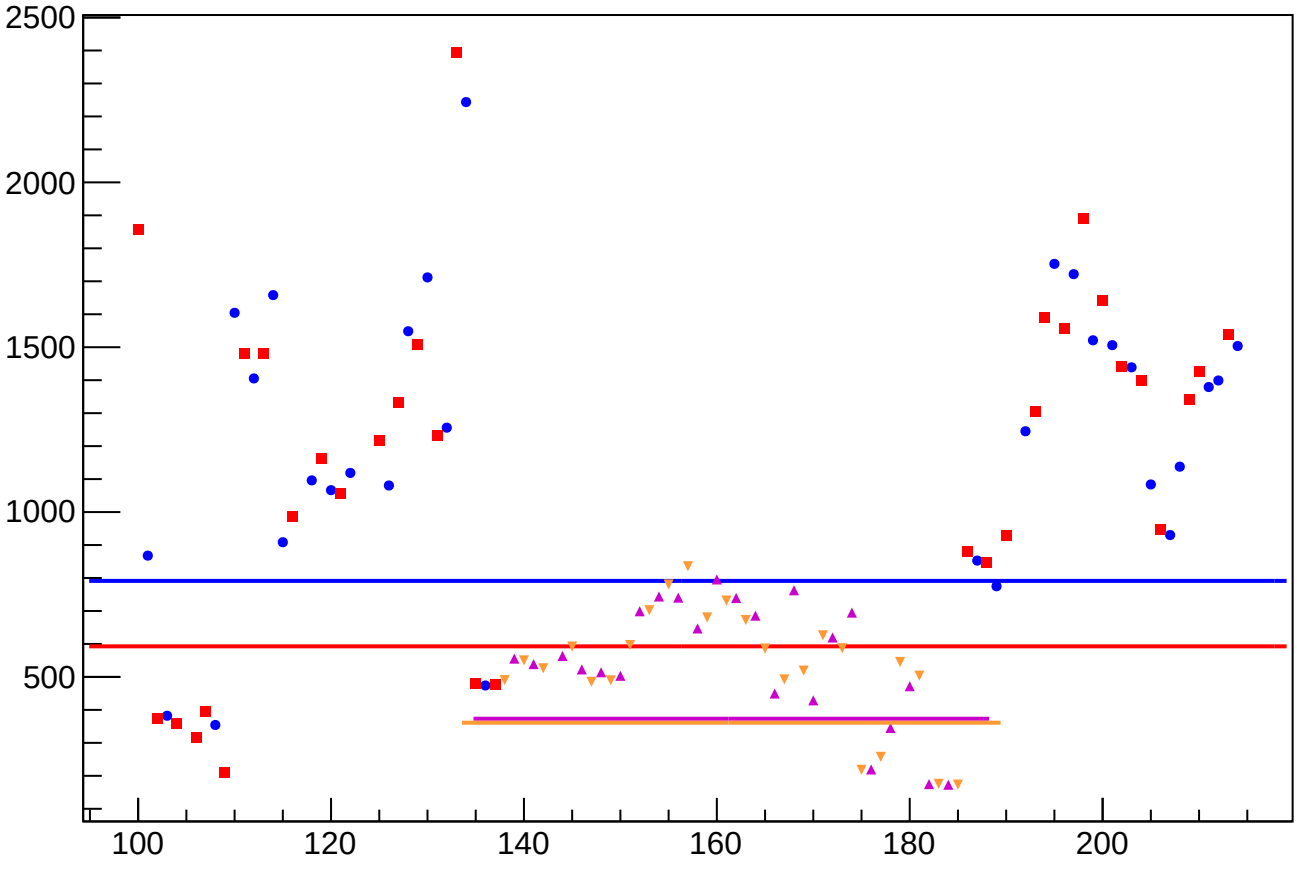
Right: 56.250+/-134.833 χ^2/NDF: 67.3/61

In: 30.802+/-90.415 χ^2/NDF:59.6/52

Out: 99.258+/-83.919 χ^2/NDF:67.8/55

All: 67.578+/-61.508 χ^2/NDF: 127.8/108

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



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

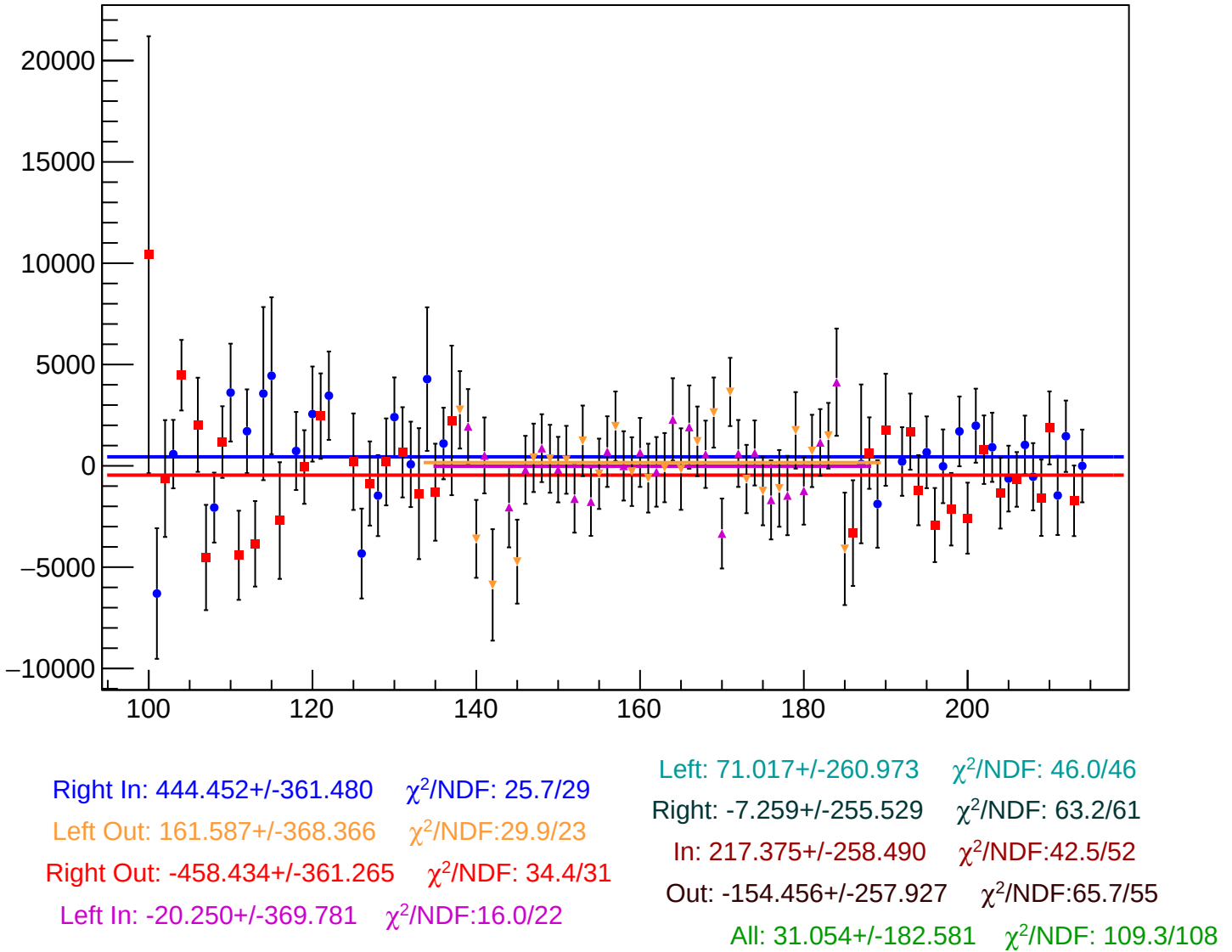
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

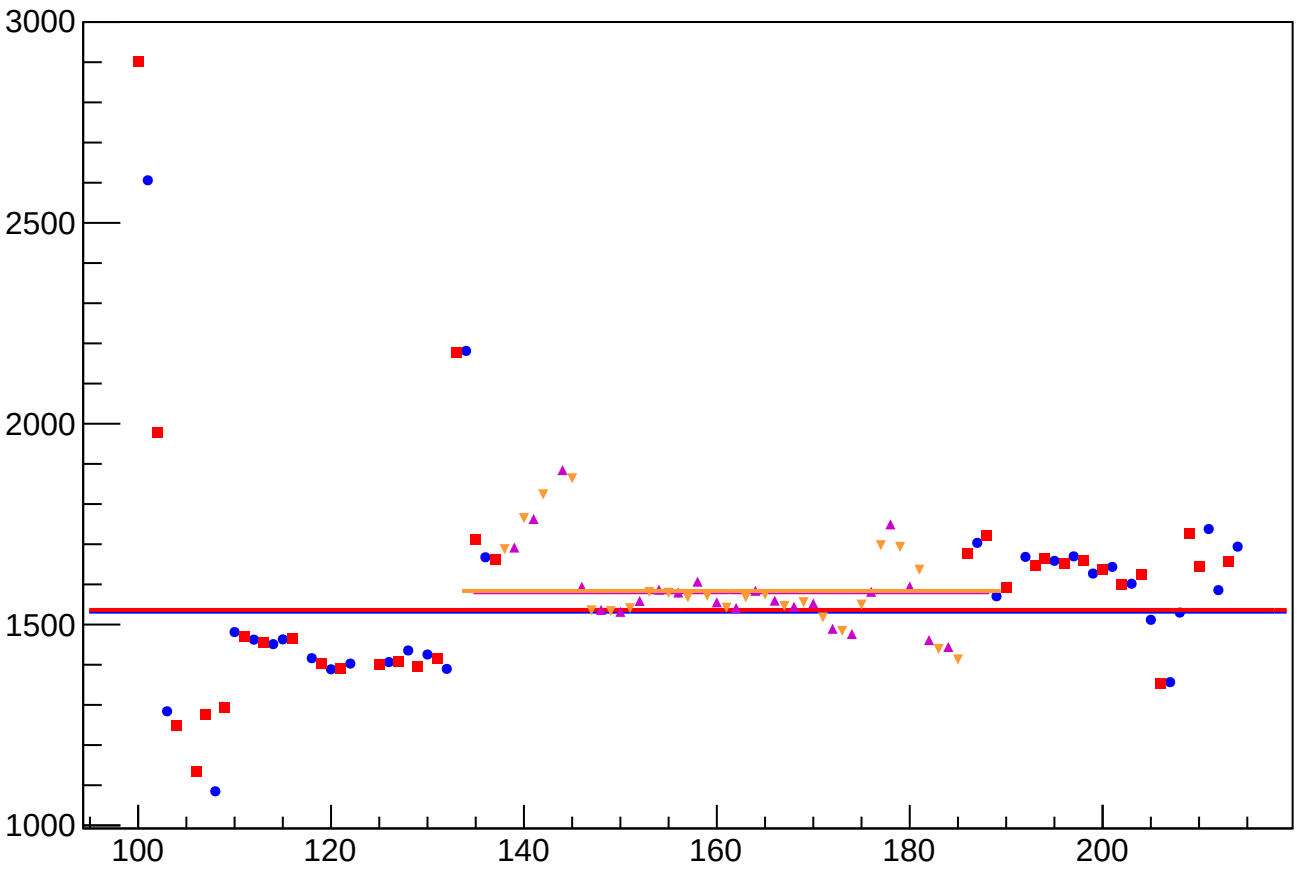
Right: 671.258+/-0.095 χ^2/NDF: 23037847.5/61

In: 447.507+/-0.064 χ^2/NDF:23212814.8/52

Out: 415.338+/-0.059 χ^2/NDF:24165582.7/55

All: 430.225+/-0.043 χ^2/NDF: 47514402.4/10


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 444.452+/-361.480 χ²/NDF: 25.7/29
Left Out: 161.587+/-368.366 χ²/NDF:29.9/23
Right Out: -458.434+/-361.265 χ²/NDF: 34.4/31
Left In: -20.250+/-369.781 χ²/NDF:16.0/22
Left: 71.017+/-260.973 χ²/NDF: 46.0/46
Right: -7.259+/-255.529 χ²/NDF: 63.2/61
In: 217.375+/-258.490 χ²/NDF:42.5/52
Out: -154.456+/-257.927 χ²/NDF:65.7/55
All: 31.054+/-182.581 χ²/NDF: 109.3/108



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

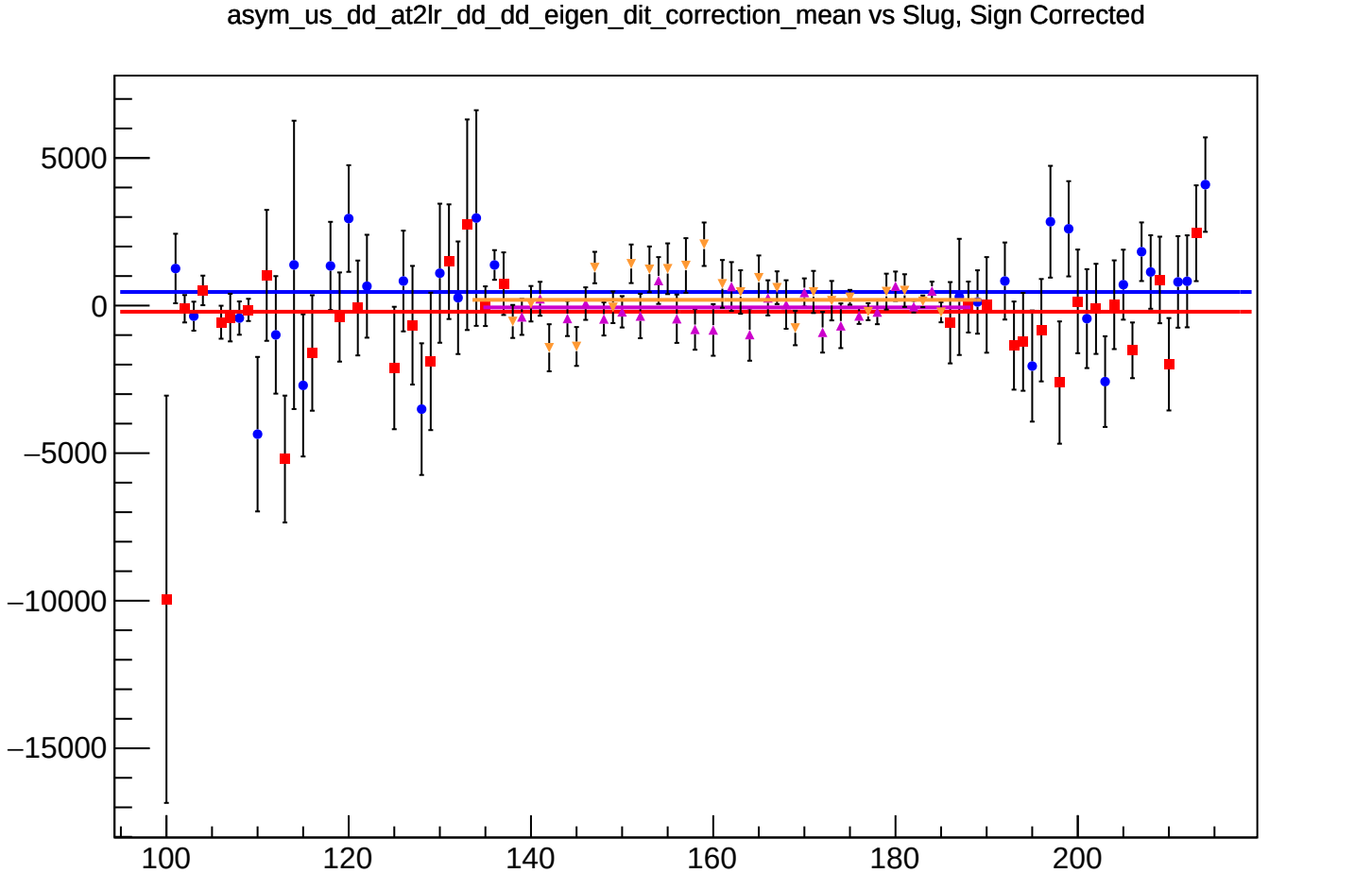
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1534.301+/-0.181 χ^2/NDF: 1207643.2/61

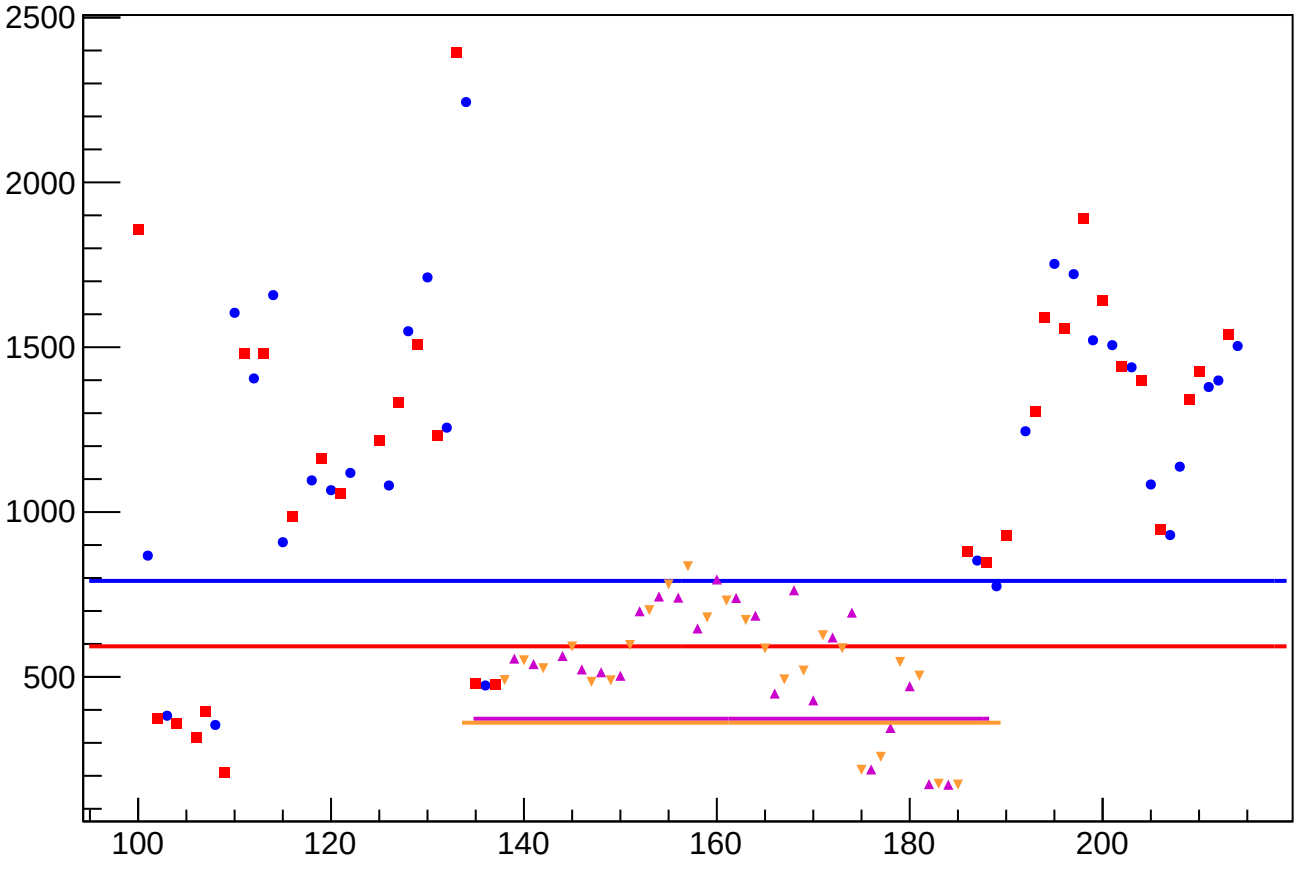
In: 1555.784+/-0.183 χ^2/NDF:799932.3/52

Out: 1559.577+/-0.182 χ^2/NDF:701116.7/55

All: 1557.684+/-0.129 χ^2/NDF: 1501264.8/10


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 460.597+/-214.385 χ²/NDF: 37.7/29
Left Out: 193.312+/-95.894 χ²/NDF:40.1/23
Right Out: -208.351+/-173.427 χ²/NDF: 23.7/31
Left In: -62.181+/-99.718 χ²/NDF:17.0/22
Left: 70.558+/-69.120 χ²/NDF: 60.5/46
Right: 56.252+/-134.833 χ²/NDF: 67.3/61
In: 30.805+/-90.416 χ²/NDF:59.6/52
Out: 99.262+/-83.920 χ²/NDF:67.8/55
All: 67.581+/-61.509 χ²/NDF: 127.8/108

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

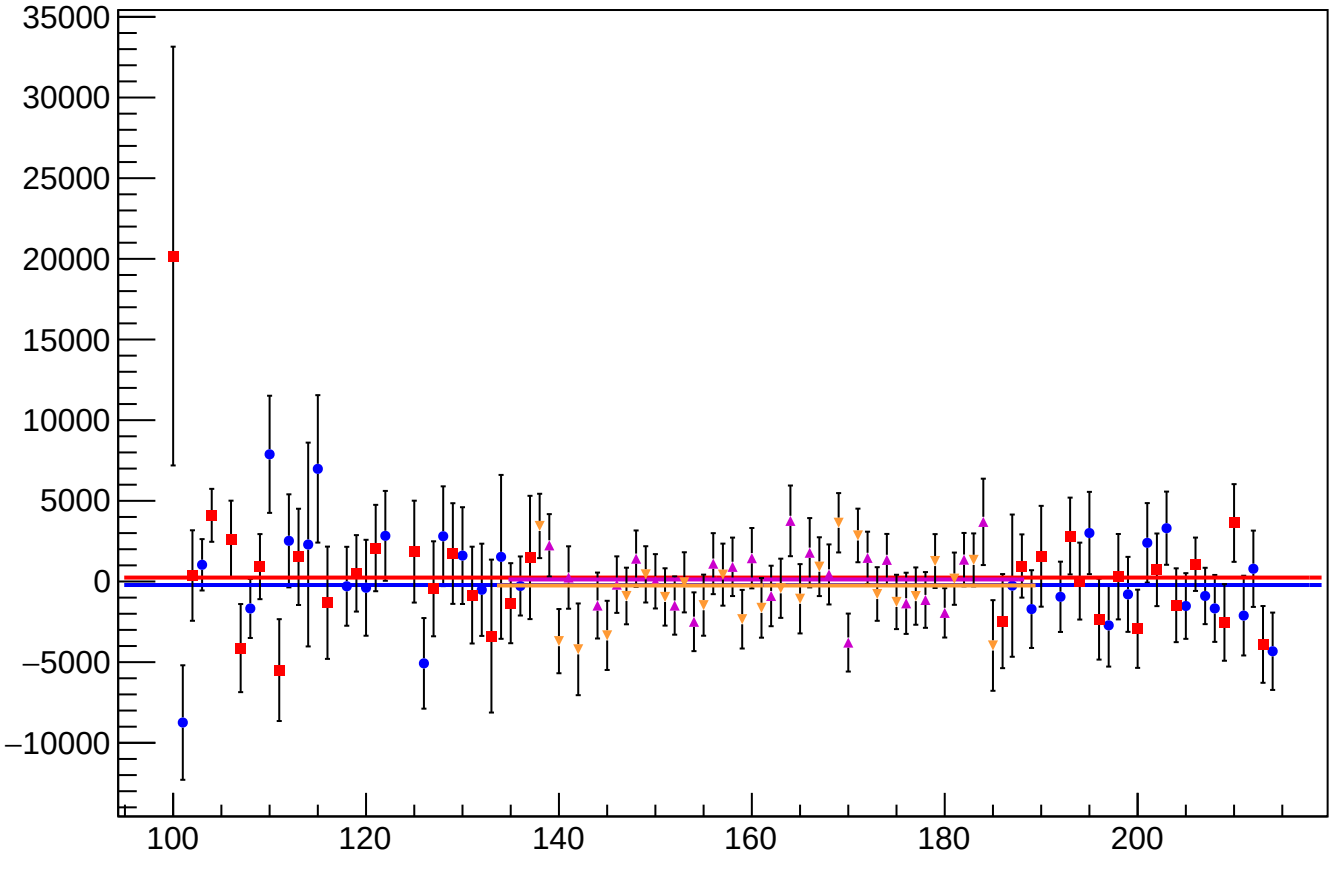
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 671.262+/-0.095 χ^2/NDF: 23037574.1/61

In: 447.511+/-0.064 χ^2/NDF:23212376.5/52

Out: 415.342+/-0.059 χ^2/NDF:24165272.5/55

All: 430.230+/-0.043 χ^2/NDF: 47513655.7/10



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

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

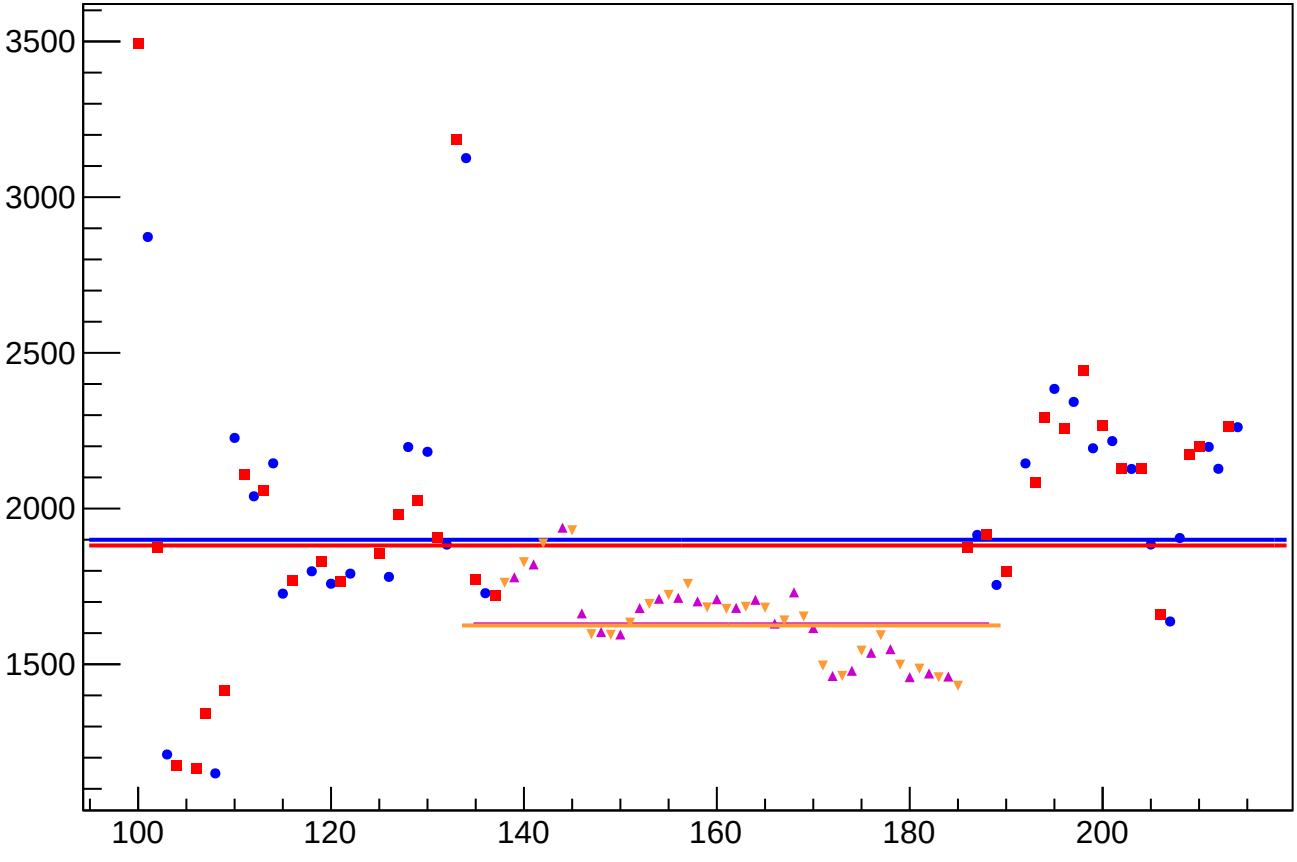
Right: 15.003+/-319.116 χ^2/NDF: 63.0/61

In: -16.275+/-291.932 χ^2/NDF:54.1/52

Out: -43.642+/-289.226 χ^2/NDF:56.6/55

All: -30.086+/-205.464 χ^2/NDF: 110.7/108

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



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

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

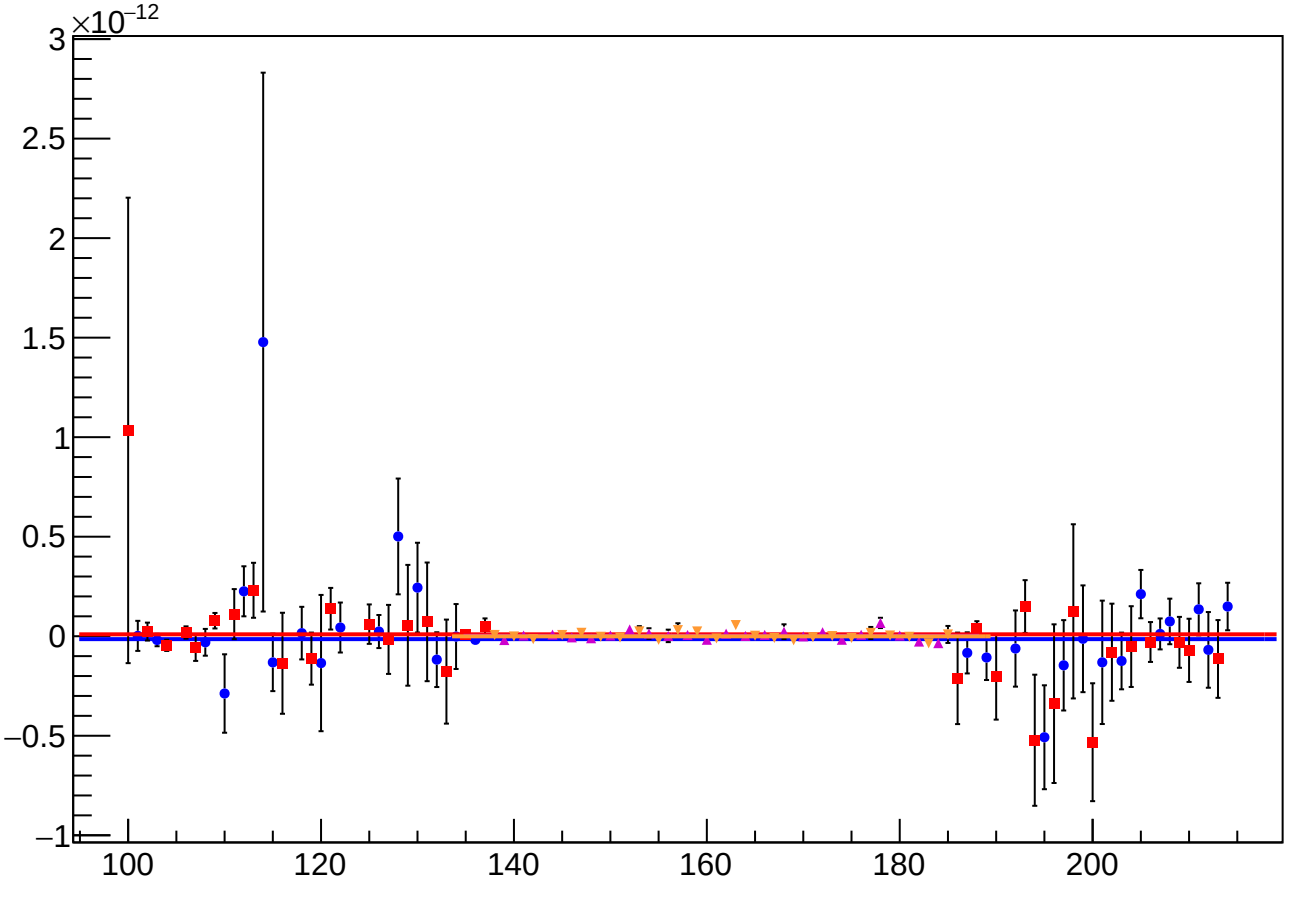
Right: 1890.503+/-0.226 χ^2/NDF: 2881479.1/61

In: 1740.596+/-0.206 χ^2/NDF:2086340.0/52

Out: 1731.261+/-0.205 χ^2/NDF:2008315.6/55

All: 1735.885+/-0.145 χ^2/NDF: 4095687.8/10

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

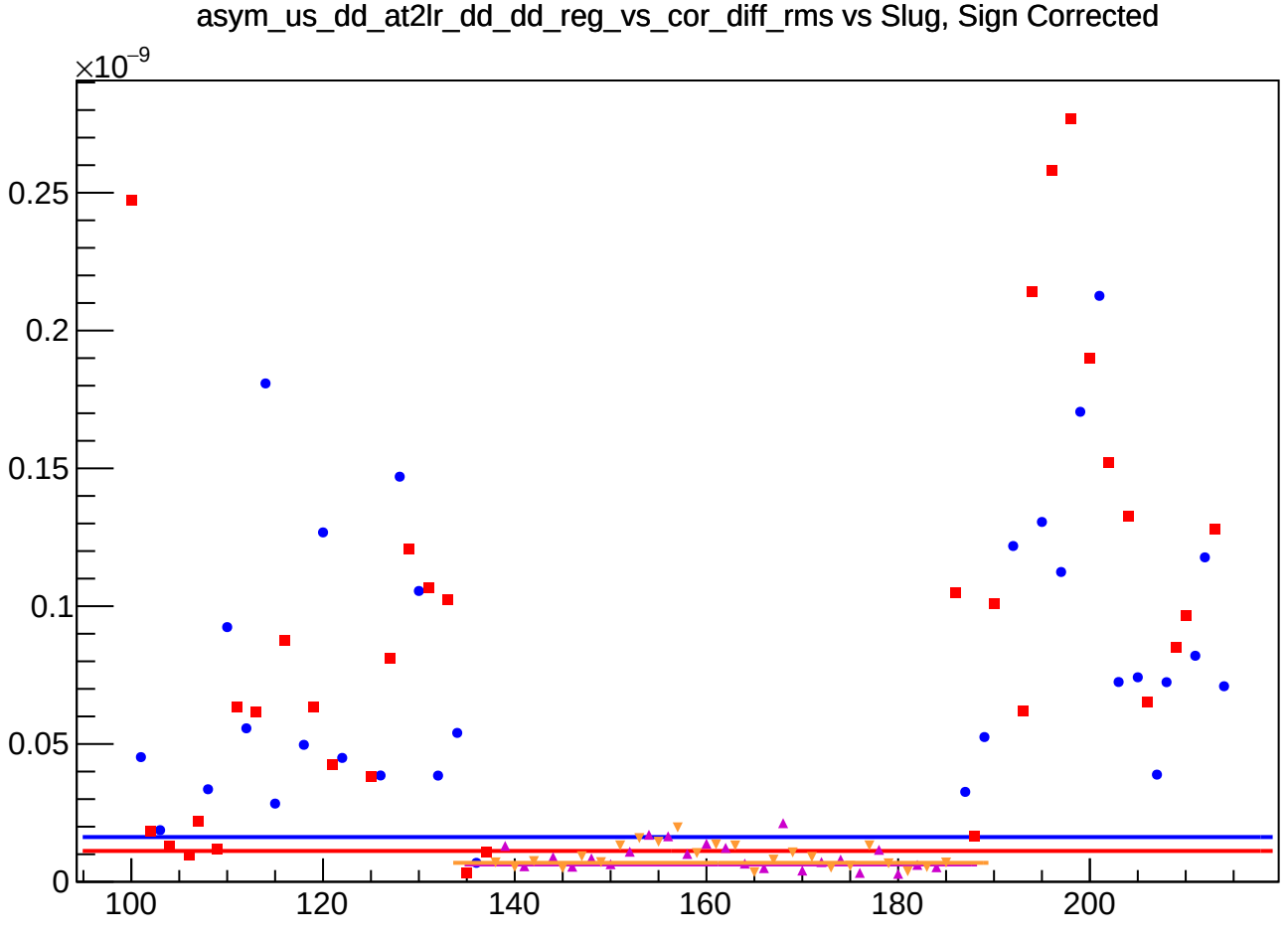
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 58.1/61

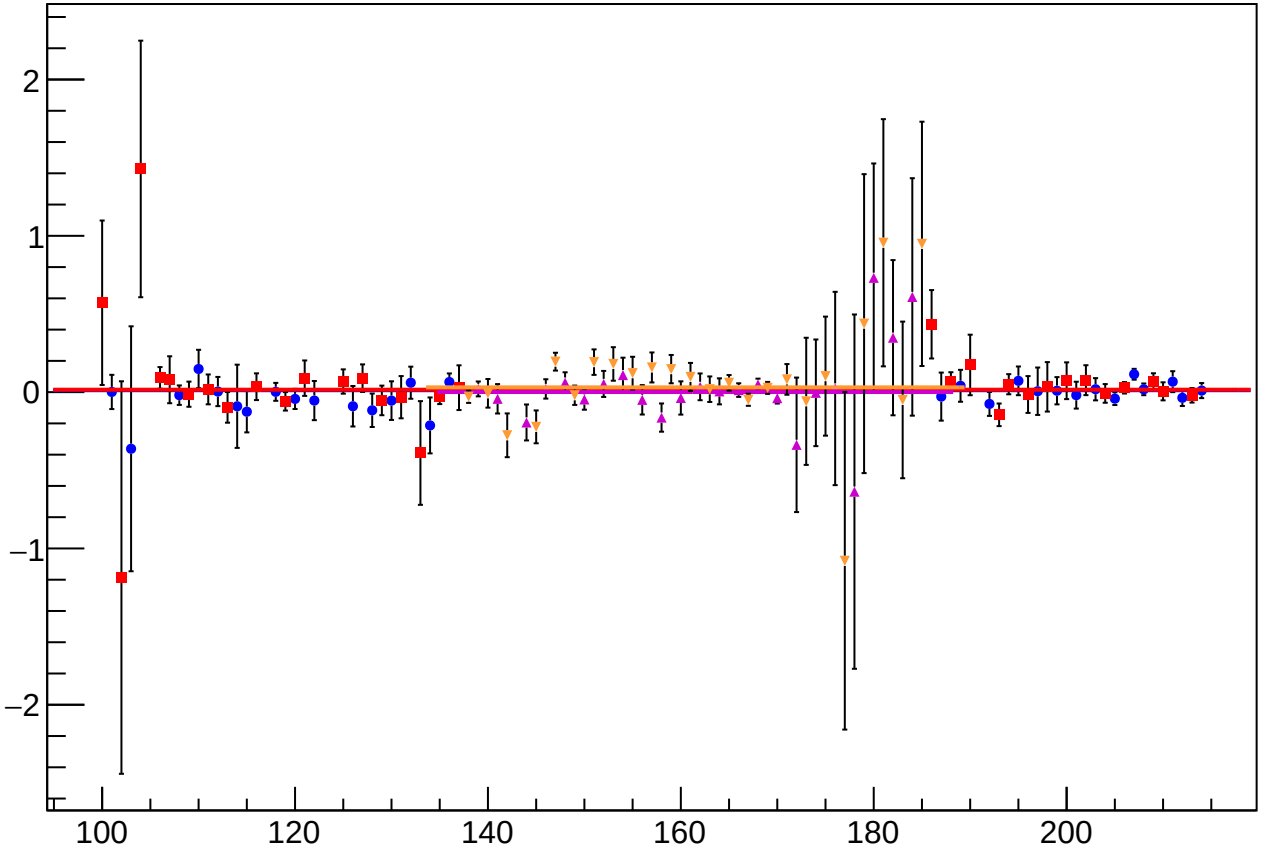
In: 0.000+/-0.000 χ^2/NDF:53.4/52

Out: 0.000+/-0.000 χ^2/NDF:51.9/55

All: 0.000+/-0.000 χ^2/NDF: 105.3/108


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9754493.4/29
Left Out: 0.000+/-0.000 χ²/NDF:2256547.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 11670839.3/31
Left In: 0.000+/-0.000 χ²/NDF:2888385.6/22
Left: 0.000+/-0.000 χ²/NDF: 5189150.7/46
Right: 0.000+/-0.000 χ²/NDF: 21730019.2/61
In: 0.000+/-0.000 χ²/NDF:14530472.4/52
Out: 0.000+/-0.000 χ²/NDF:14402709.9/55
All: 0.000+/-0.000 χ²/NDF: 28949853.9/108

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

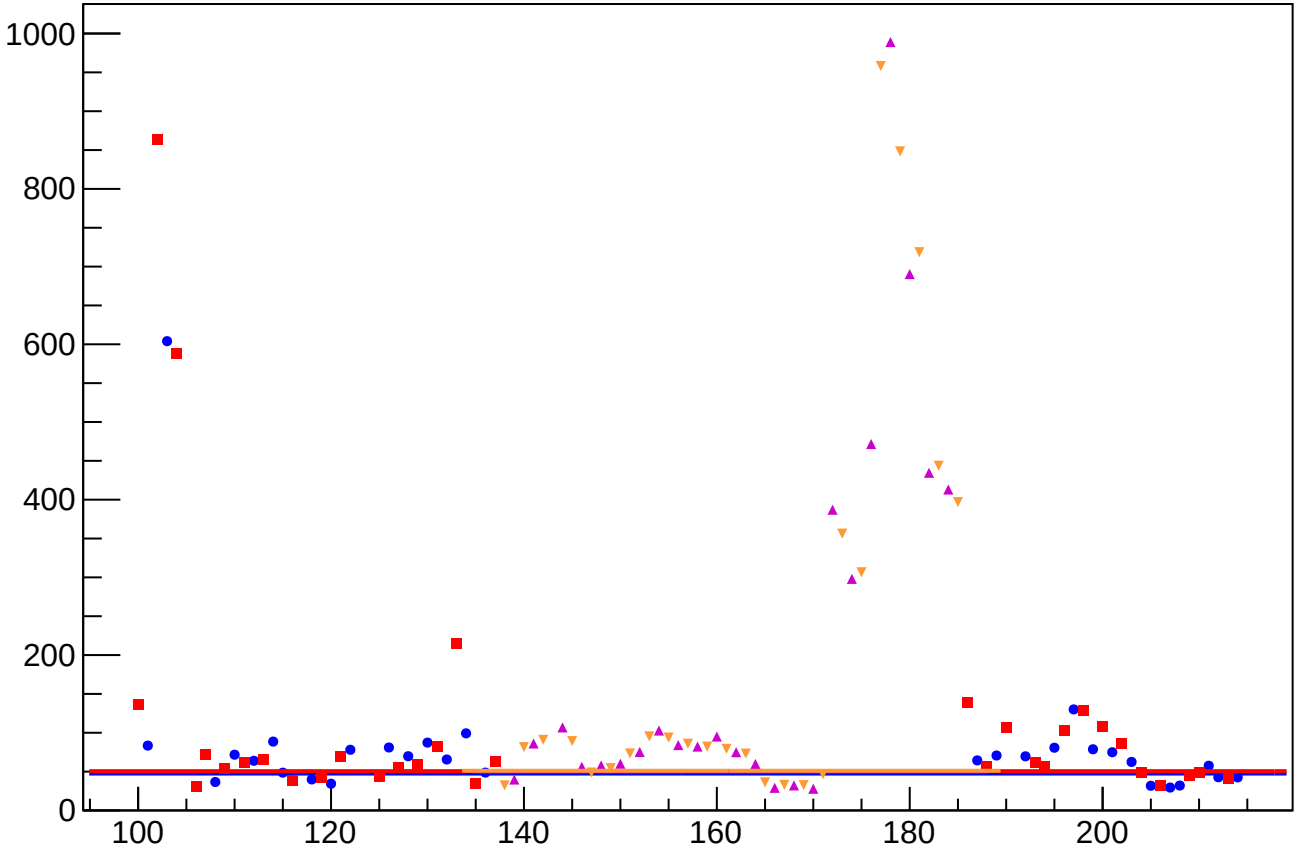
Right: 0.014+/-0.009 χ^2/NDF: 49.9/61

In: 0.008+/-0.010 χ^2/NDF:39.4/52

Out: 0.022+/-0.010 χ^2/NDF:68.9/55

All: 0.015+/-0.007 χ^2/NDF: 109.4/108

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

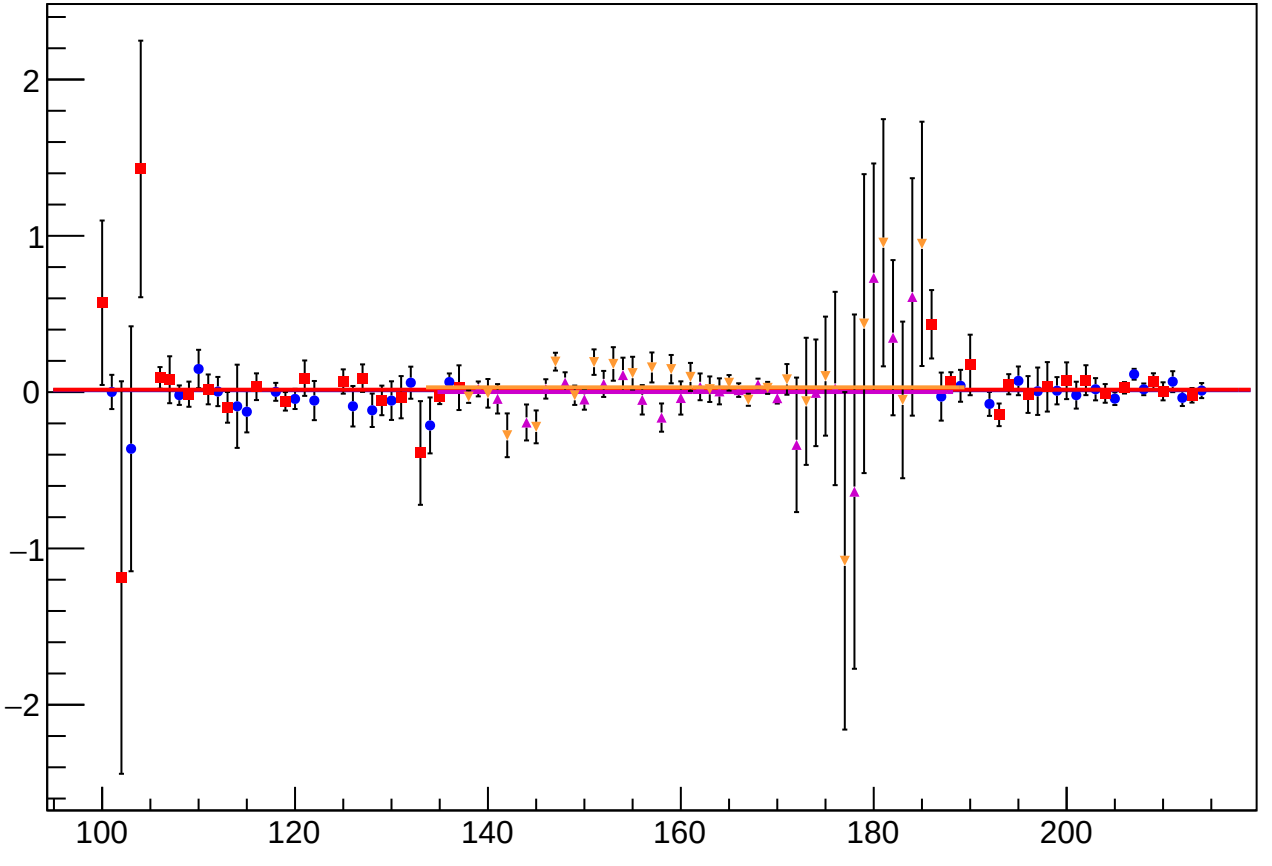
Right: 48.948+/-0.007 χ^2/NDF: 11219048.1/61

In: 48.653+/-0.007 χ^2/NDF:17560279.2/52

Out: 50.809+/-0.007 χ^2/NDF:17576659.2/55

All: 49.685+/-0.005 χ^2/NDF: 35182610.2/108

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

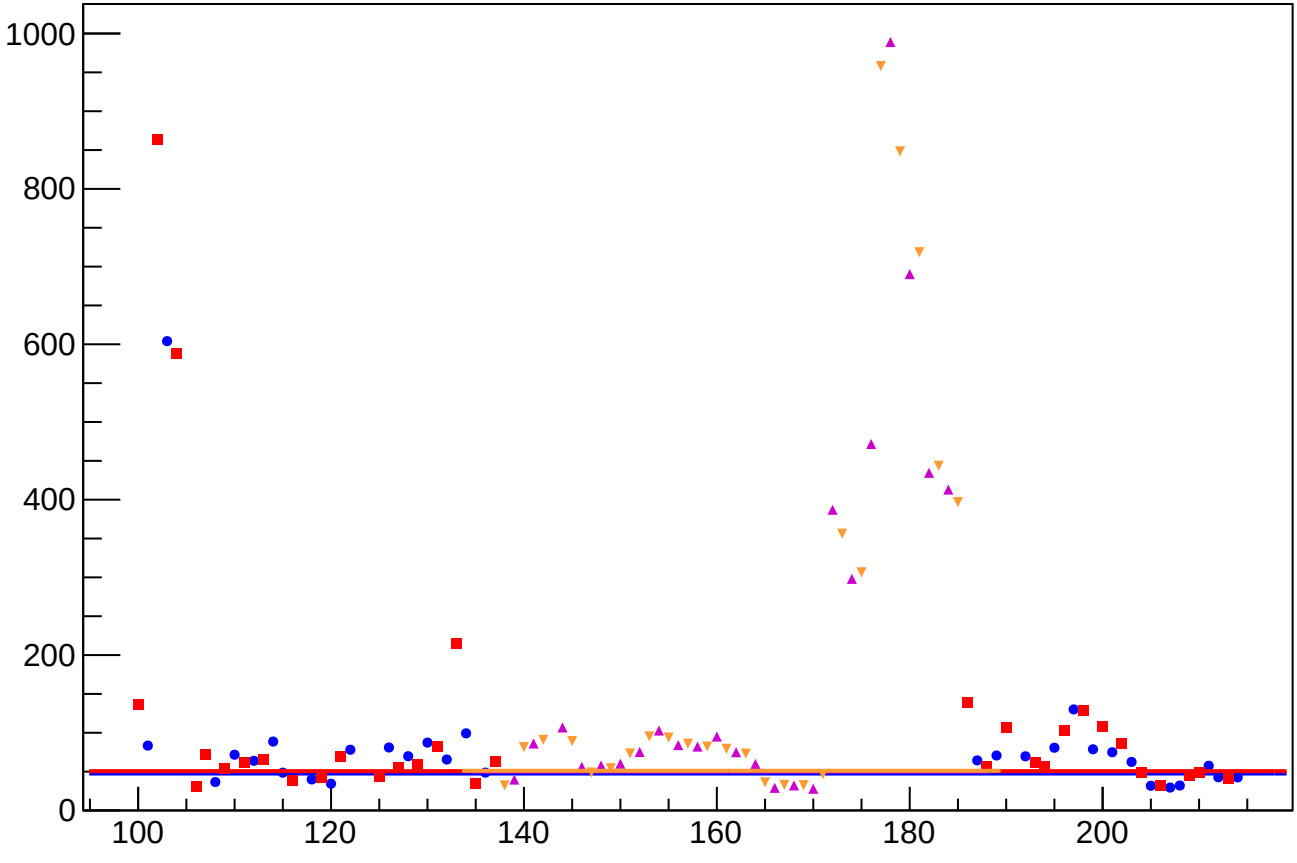
Right: 0.014+/-0.009 χ^2/NDF: 49.9/61

In: 0.008+/-0.010 χ^2/NDF:39.4/52

Out: 0.022+/-0.010 χ^2/NDF:68.9/55

All: 0.015+/-0.007 χ^2/NDF: 109.4/108

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

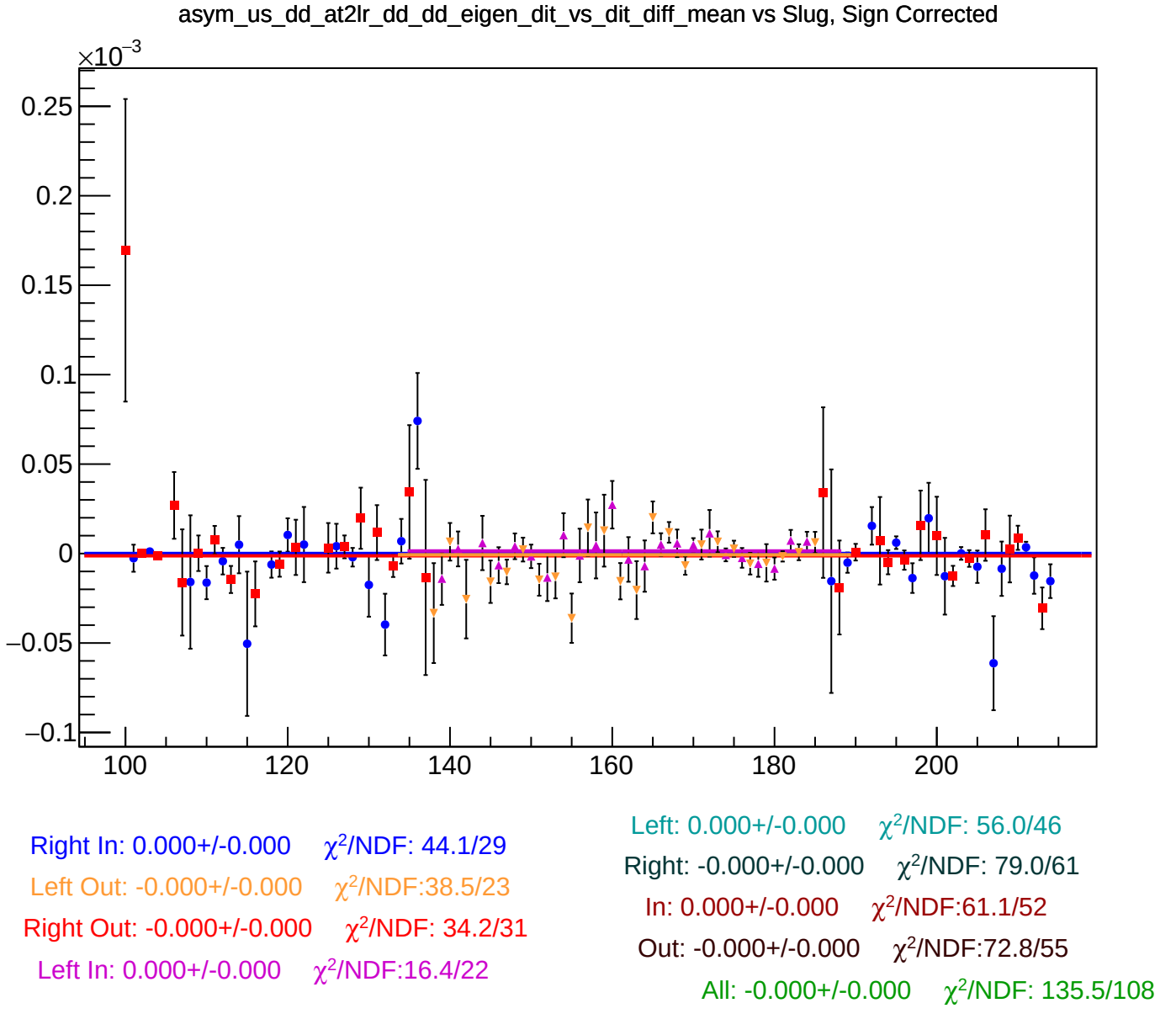
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

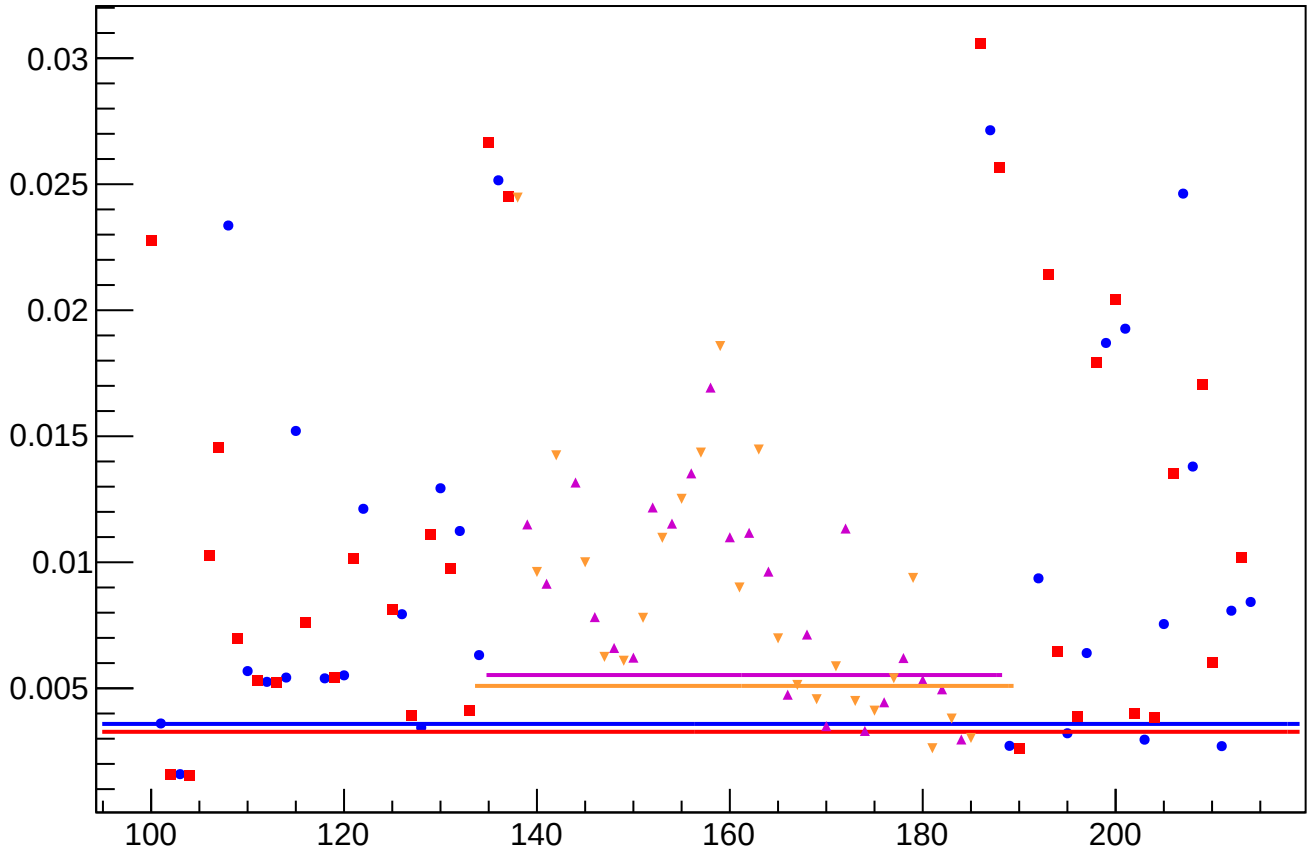
Right: 48.948+/-0.007 χ^2/NDF: 11219048.1/61

In: 48.653+/-0.007 χ^2/NDF:17560279.2/52

Out: 50.809+/-0.007 χ^2/NDF:17576659.2/55

All: 49.685+/-0.005 χ^2/NDF: 35182610.2/108


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
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: 44.1/29
Left Out: -0.000+/-0.000 χ²/NDF:38.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 34.2/31
Left In: 0.000+/-0.000 χ²/NDF:16.4/22
Left: 0.000+/-0.000 χ²/NDF: 56.0/46
Right: -0.000+/-0.000 χ²/NDF: 79.0/61
In: 0.000+/-0.000 χ²/NDF:61.1/52
Out: -0.000+/-0.000 χ²/NDF:72.8/55
All: -0.000+/-0.000 χ²/NDF: 135.5/108



Right In: 0.004+/-0.000 χ^2/NDF: 13100359.4/29

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 16205907.6/31

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

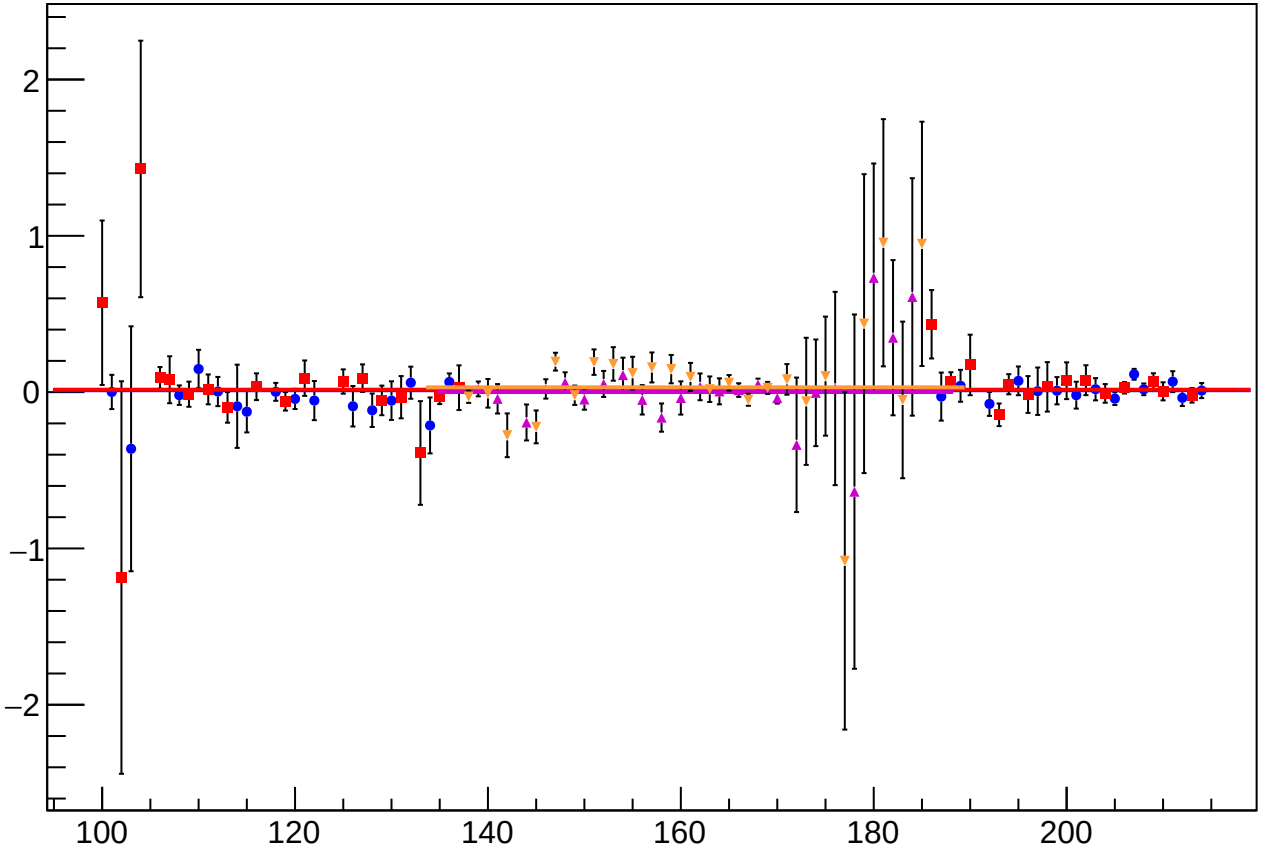
Right: 0.003+/-0.000 χ^2/NDF: 29383922.5/61

In: 0.004+/-0.000 χ^2/NDF:22072497.2/52

Out: 0.004+/-0.000 χ^2/NDF:26714543.9/55

All: 0.004+/-0.000 χ^2/NDF: 48934551.7/108

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

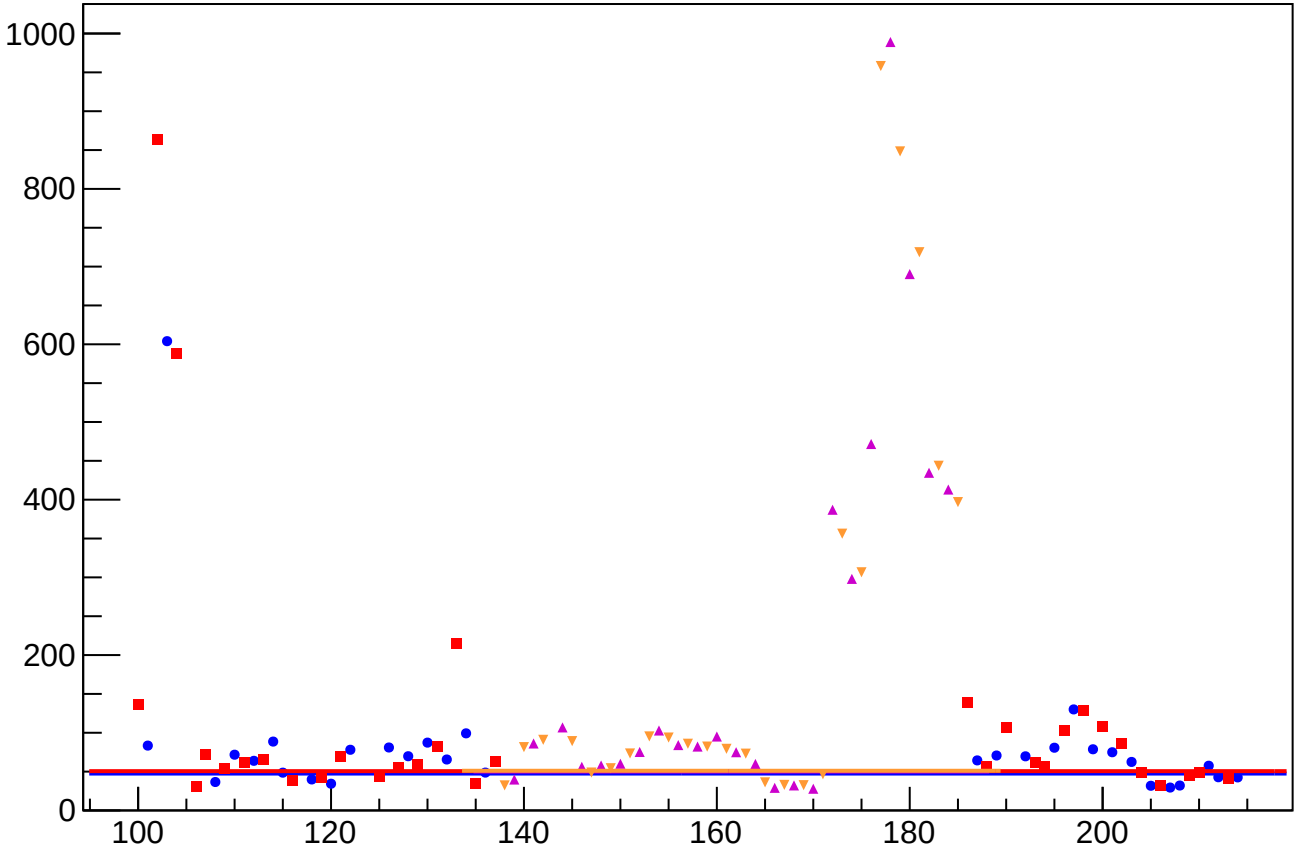
Right: 0.014+/-0.009 χ^2/NDF: 49.9/61

In: 0.008+/-0.010 χ^2/NDF:39.4/52

Out: 0.022+/-0.010 χ^2/NDF:68.9/55

All: 0.015+/-0.007 χ^2/NDF: 109.4/108

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

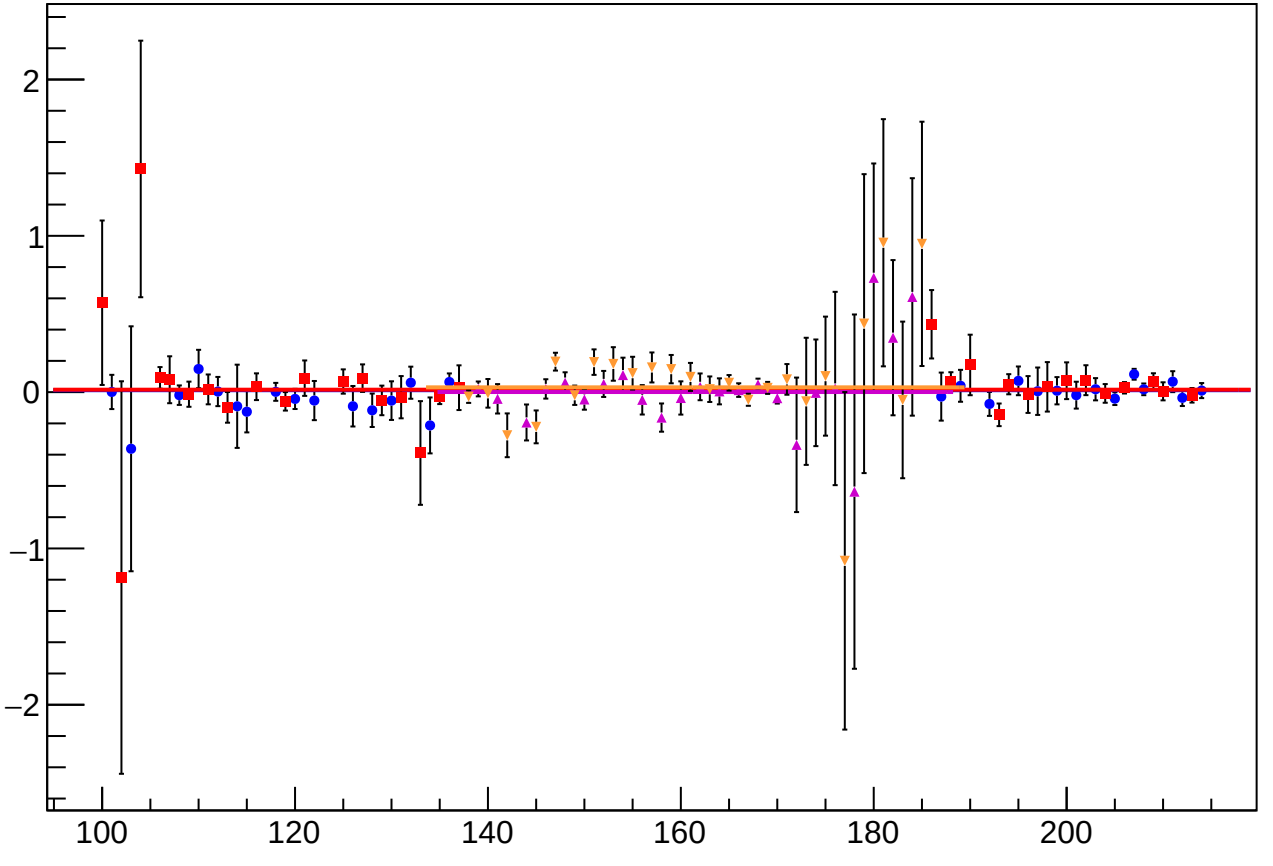
Right: 48.949+/-0.007 χ^2/NDF: 11218606.9/61

In: 48.654+/-0.007 χ^2/NDF:17560033.4/52

Out: 50.811+/-0.007 χ^2/NDF:17575533.5/55

All: 49.686+/-0.005 χ^2/NDF: 35181299.4/108

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

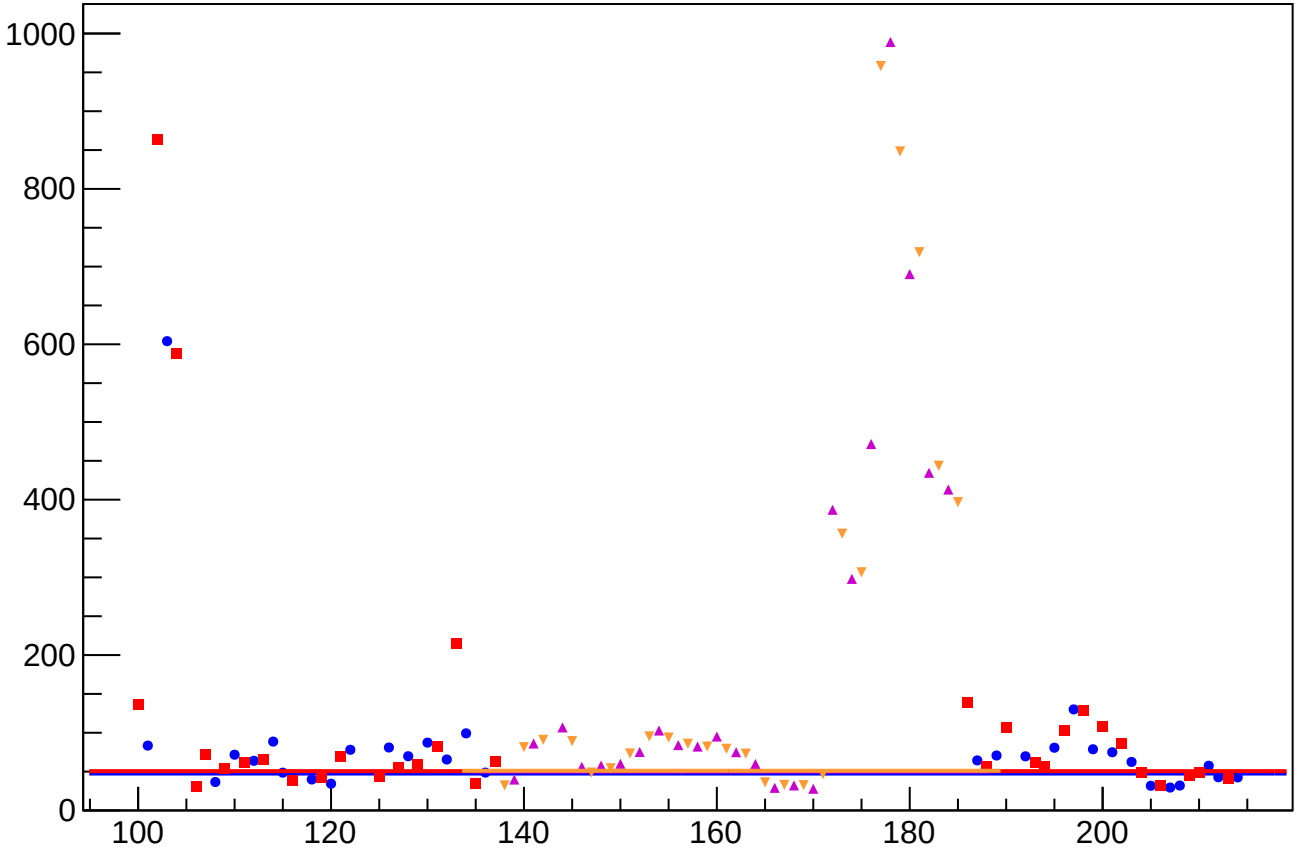
Right: 0.014+/-0.009 χ^2/NDF: 49.9/61

In: 0.008+/-0.010 χ^2/NDF:39.4/52

Out: 0.022+/-0.010 χ^2/NDF:68.9/55

All: 0.015+/-0.007 χ^2/NDF: 109.4/108

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

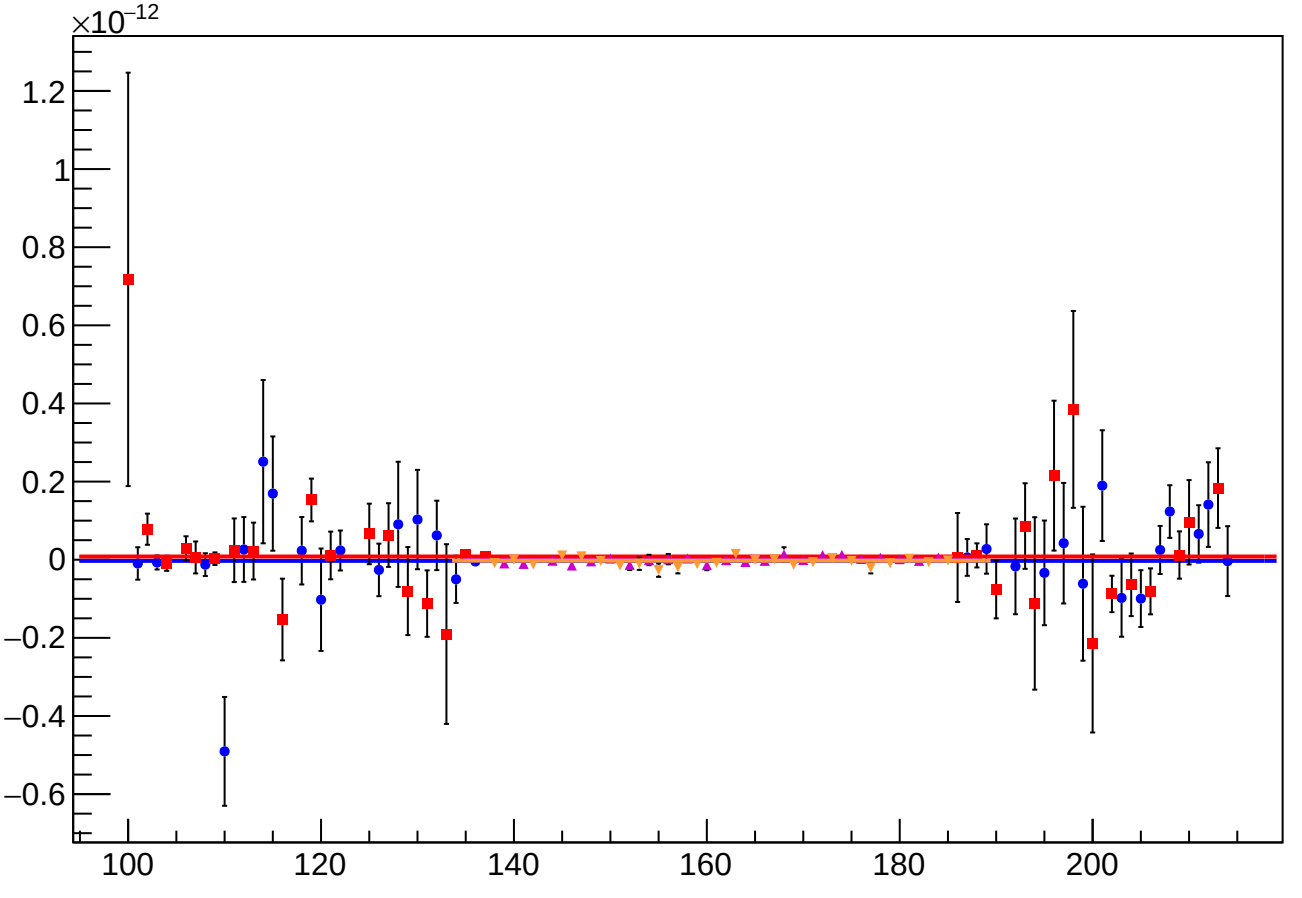
Right: 48.949+/-0.007 χ^2/NDF: 11218606.9/61

In: 48.654+/-0.007 χ^2/NDF:17560033.4/52

Out: 50.811+/-0.007 χ^2/NDF:17575533.5/55

All: 49.686+/-0.005 χ^2/NDF: 35181299.4/108

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

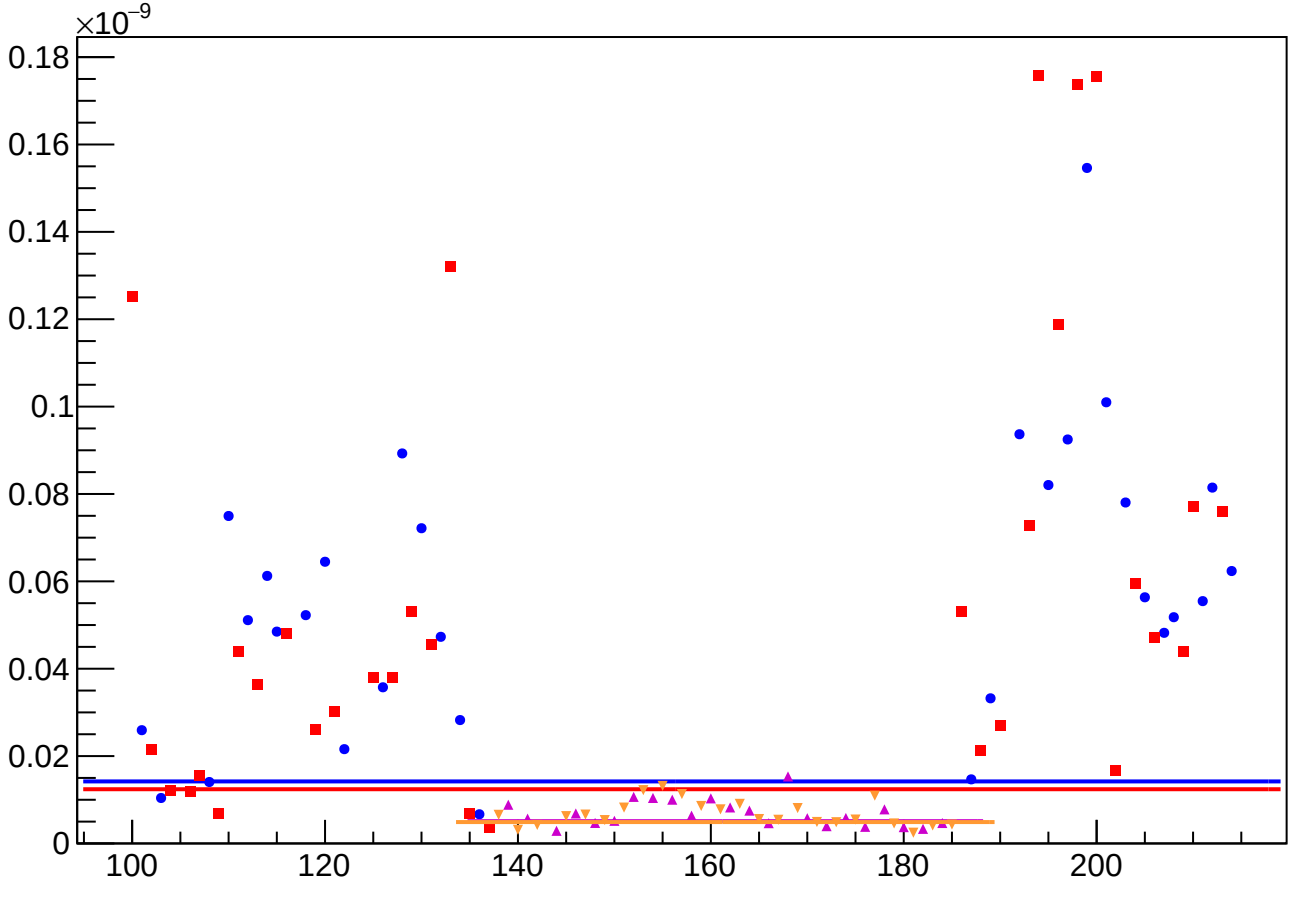
Right: 0.000+/-0.000 χ^2/NDF: 69.3/61

In: -0.000+/-0.000 χ^2/NDF:48.5/52

Out: -0.000+/-0.000 χ^2/NDF:62.7/55

All: -0.000+/-0.000 χ^2/NDF: 111.6/108

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

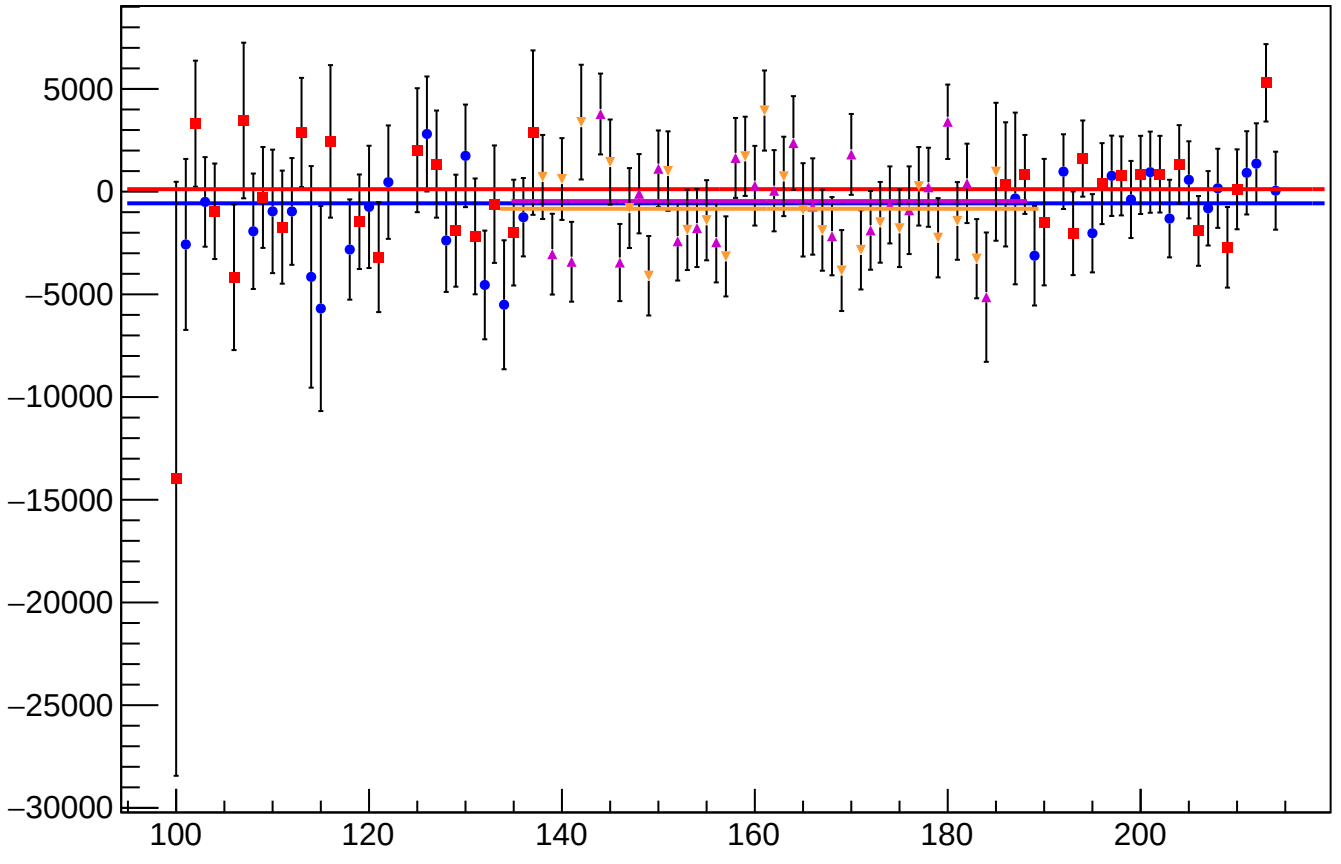
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 26277786.2/61

In: 0.000+/-0.000 χ^2/NDF:21088131.8/52

Out: 0.000+/-0.000 χ^2/NDF:19732420.0/55

All: 0.000+/-0.000 χ^2/NDF: 40853040.3/108



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

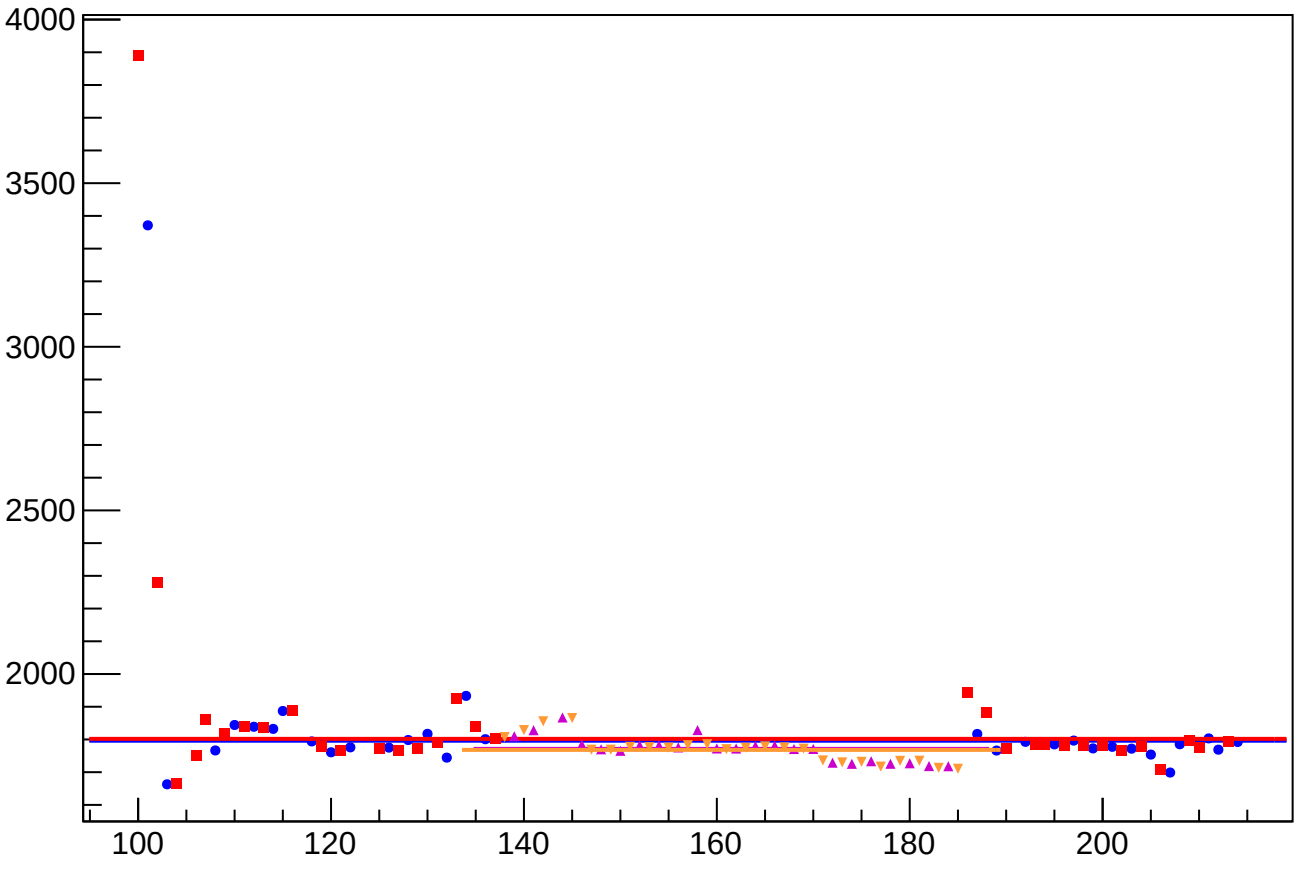
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -222.633+/-297.435 χ^2/NDF: 43.3/61

In: -512.902+/-295.197 χ^2/NDF:43.7/52

Out: -366.883+/-293.503 χ^2/NDF:53.6/55

All: -439.472+/-208.134 χ^2/NDF: 97.5/108



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

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

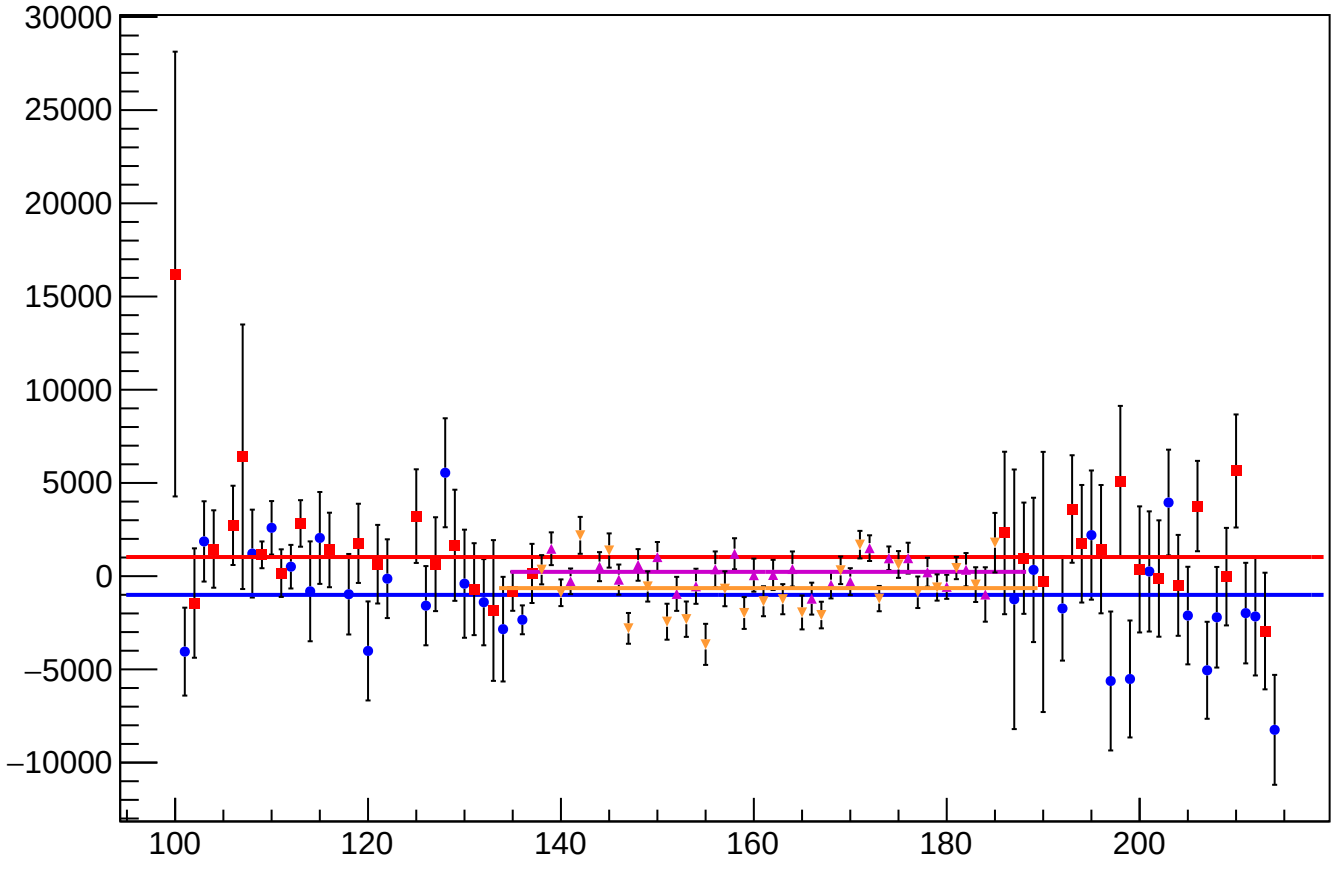
Right: 1799.025+/-0.210 χ^2/NDF: 432166.2/61

In: 1783.482+/-0.209 χ^2/NDF:329667.0/52

Out: 1784.589+/-0.208 χ^2/NDF:145274.0/55

All: 1784.039+/-0.147 χ^2/NDF: 474955.1/108

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



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

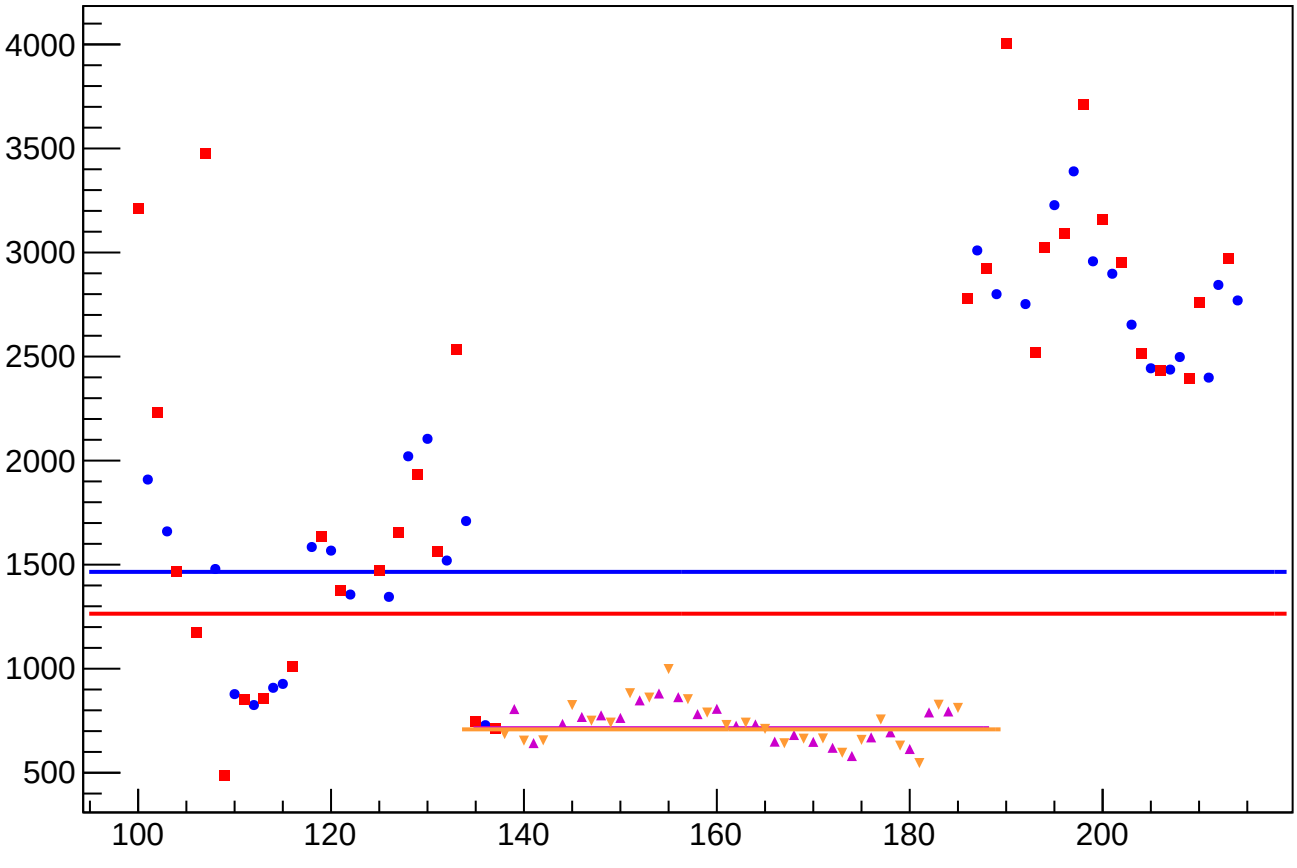
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 100.419+/-262.996 χ^2/NDF: 75.0/61

In: 36.307+/-154.509 χ^2/NDF:69.2/52

Out: -342.699+/-150.824 χ^2/NDF:104.1/55

All: -157.770+/-107.928 χ^2/NDF: 176.4/108



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

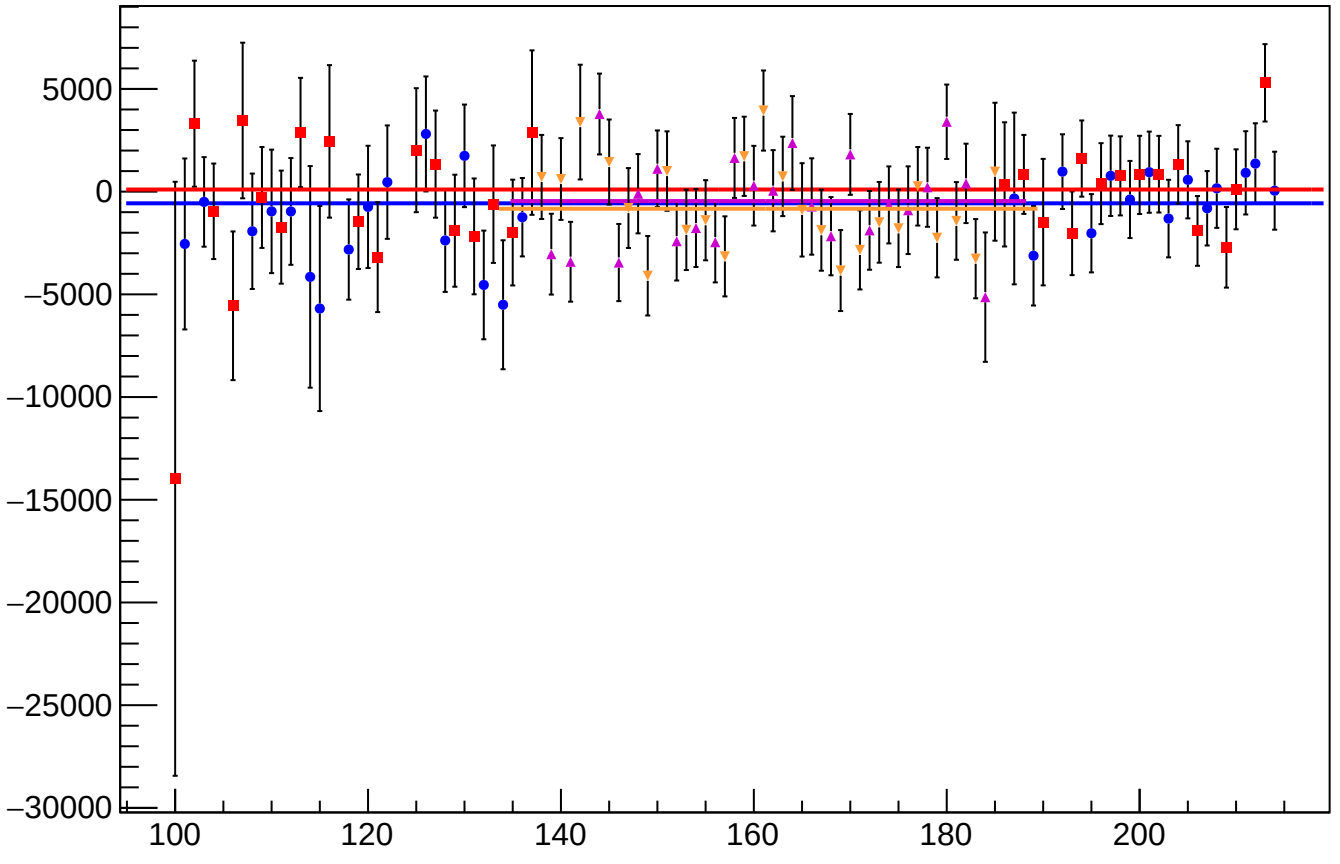
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1355.922+/-0.186 χ^2/NDF: 19903434.7/61

In: 832.360+/-0.109 χ^2/NDF:14855608.1/52

Out: 807.952+/-0.107 χ^2/NDF:16213066.3/55

All: 819.861+/-0.076 χ^2/NDF: 31094231.2/10



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

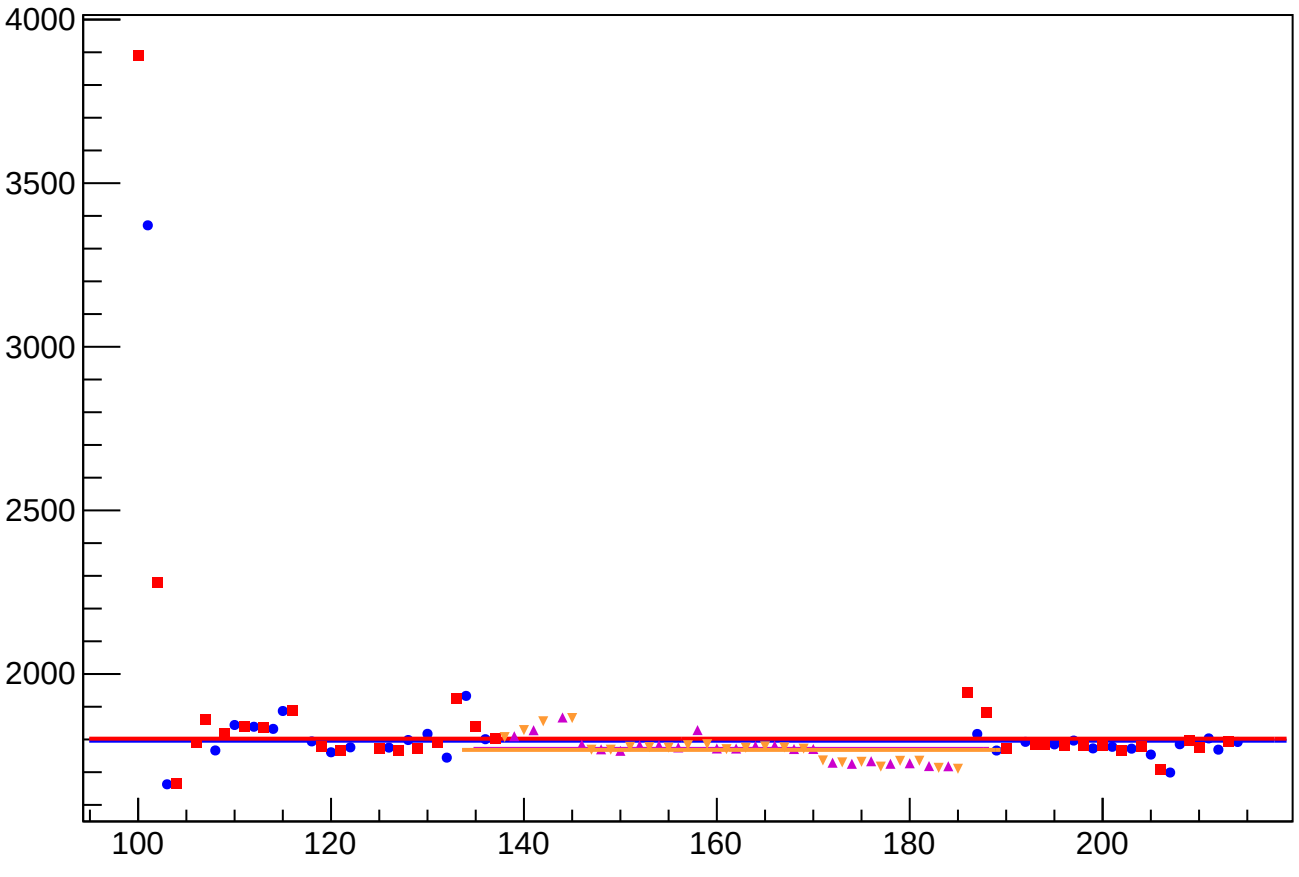
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -230.758+/-297.478 χ^2/NDF: 44.3/61

In: -512.768+/-295.197 χ^2/NDF:43.7/52

Out: -374.892+/-293.544 χ^2/NDF:54.5/55

All: -443.443+/-208.149 χ^2/NDF: 98.4/108



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

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

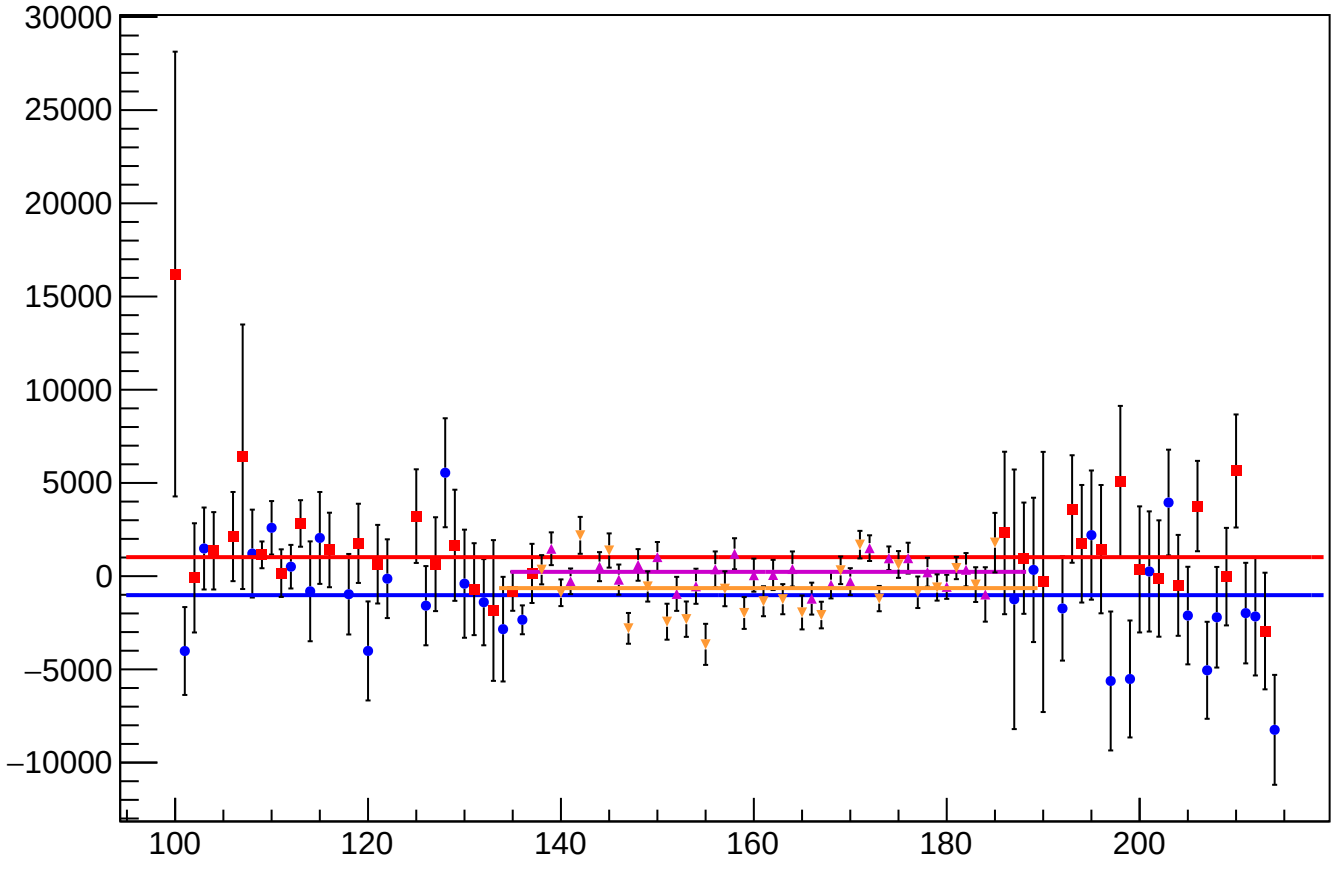
Right: 1799.315+/-0.210 χ^2/NDF: 431801.8/61

In: 1783.482+/-0.209 χ^2/NDF:329668.8/52

Out: 1784.867+/-0.208 χ^2/NDF:145095.7/55

All: 1784.179+/-0.147 χ^2/NDF: 474786.7/108

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



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

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

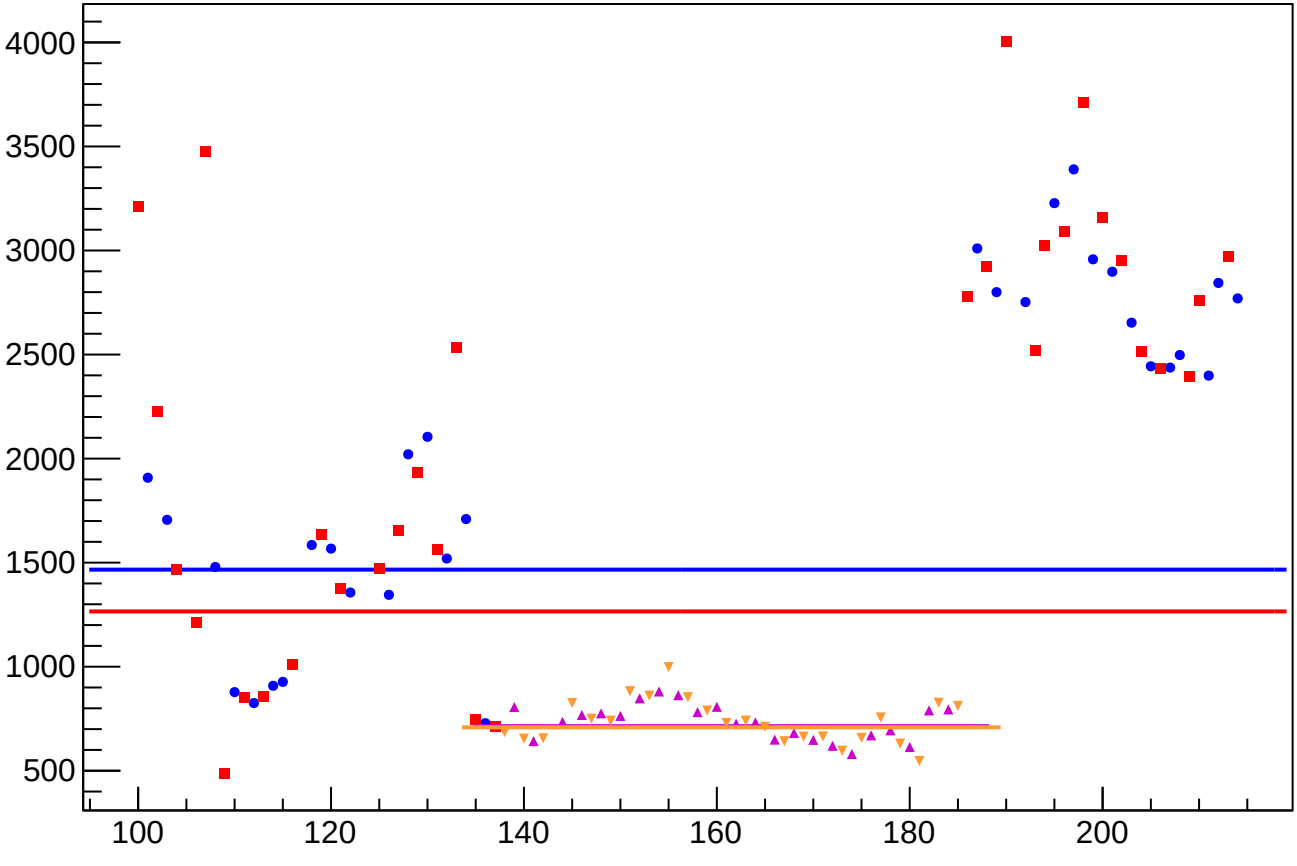
Right: 87.750+/-263.490 χ^2/NDF: 73.6/61

In: 34.104+/-154.526 χ^2/NDF:68.9/52

Out: -345.269+/-150.903 χ^2/NDF:102.8/55

All: -160.082+/-107.963 χ^2/NDF: 174.8/108

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



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

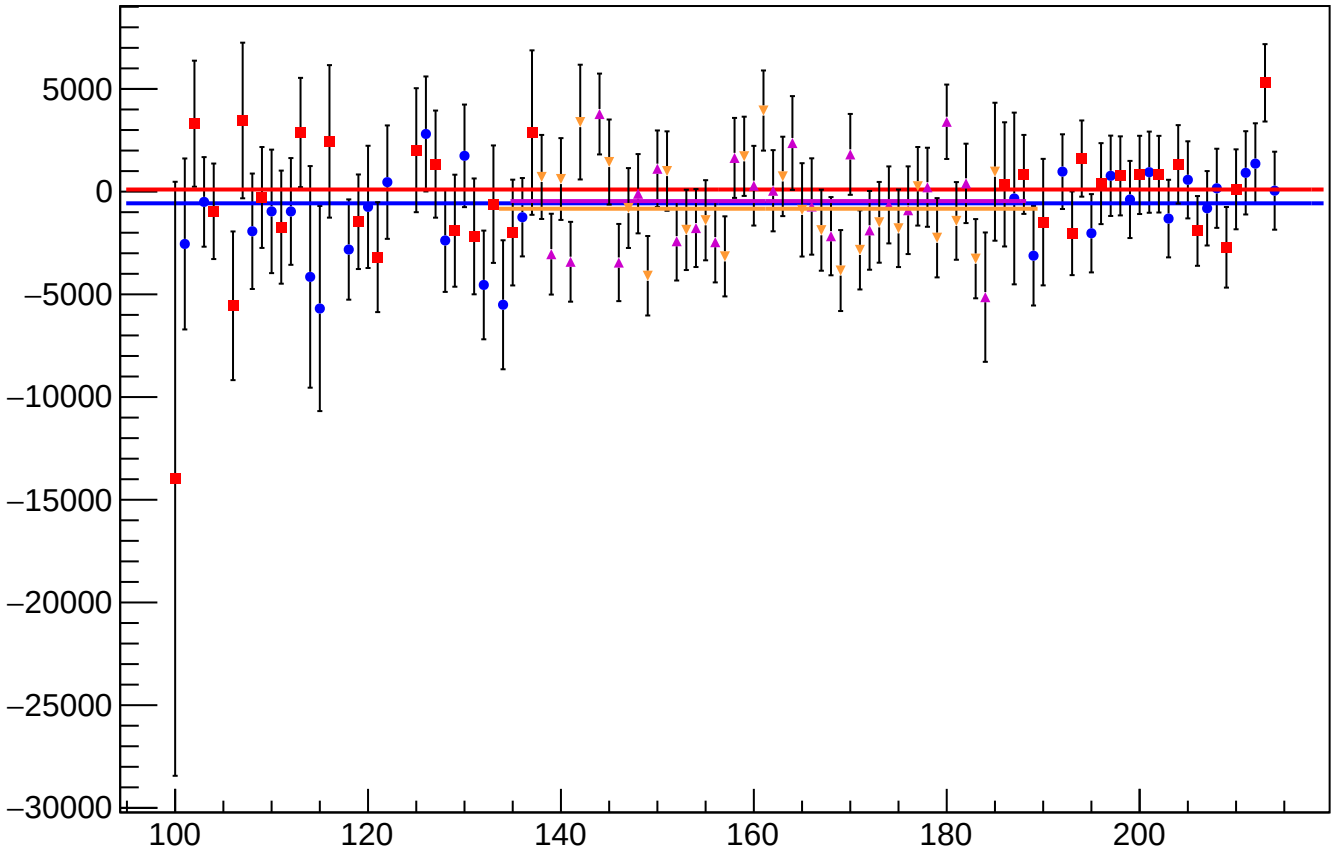
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1357.422+/-0.186 χ^2/NDF: 19905549.7/61

In: 832.423+/-0.109 χ^2/NDF:14875653.3/52

Out: 807.726+/-0.107 χ^2/NDF:16209629.8/55

All: 819.782+/-0.076 χ^2/NDF: 31111433.3/10



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

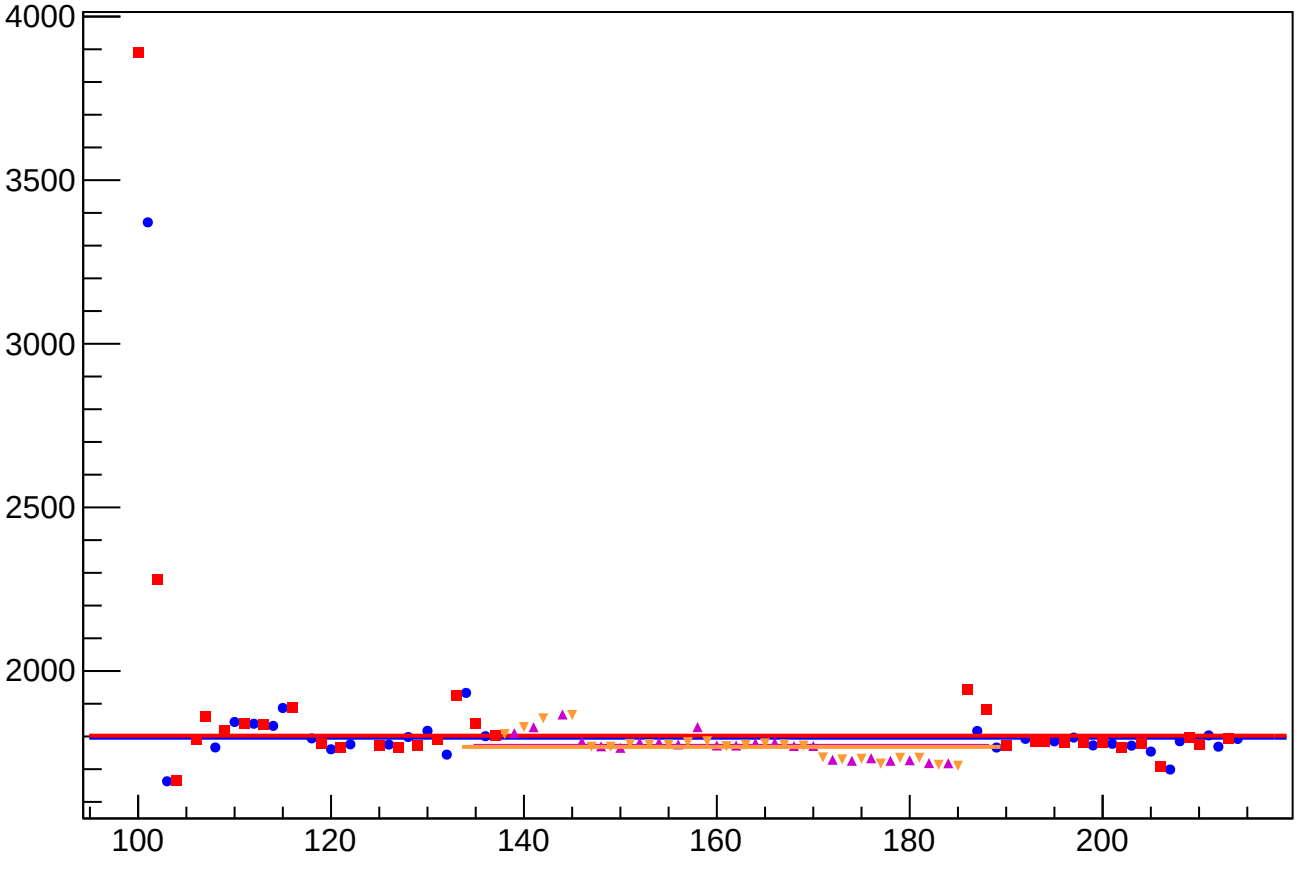
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -230.758+/-297.478 χ^2/NDF: 44.3/61

In: -512.768+/-295.197 χ^2/NDF:43.7/52

Out: -374.892+/-293.544 χ^2/NDF:54.5/55

All: -443.443+/-208.149 χ^2/NDF: 98.4/108



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

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

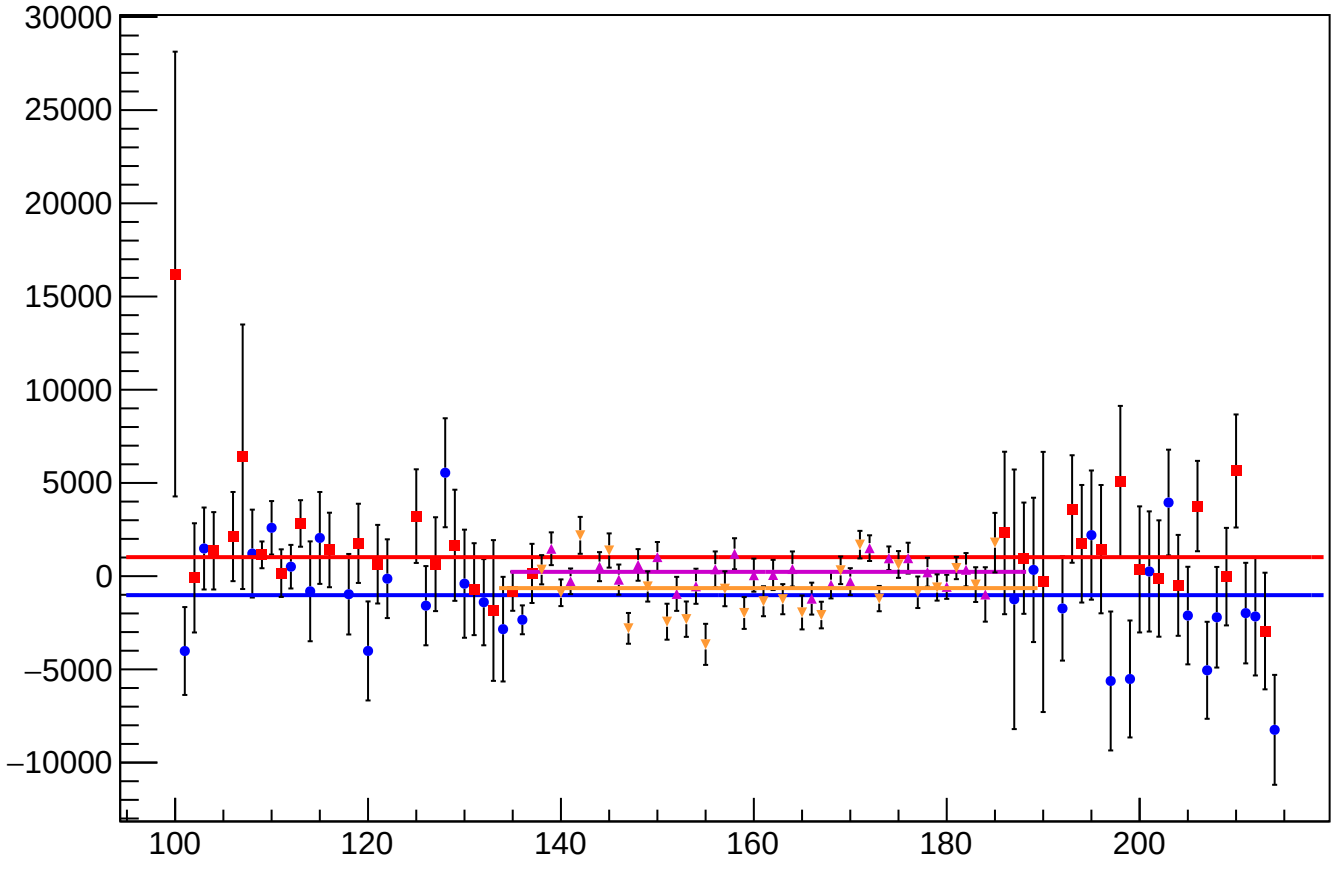
Right: 1799.315+/-0.210 χ^2/NDF: 431801.8/61

In: 1783.482+/-0.209 χ^2/NDF:329668.8/52

Out: 1784.867+/-0.208 χ^2/NDF:145095.7/55

All: 1784.179+/-0.147 χ^2/NDF: 474786.7/108

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

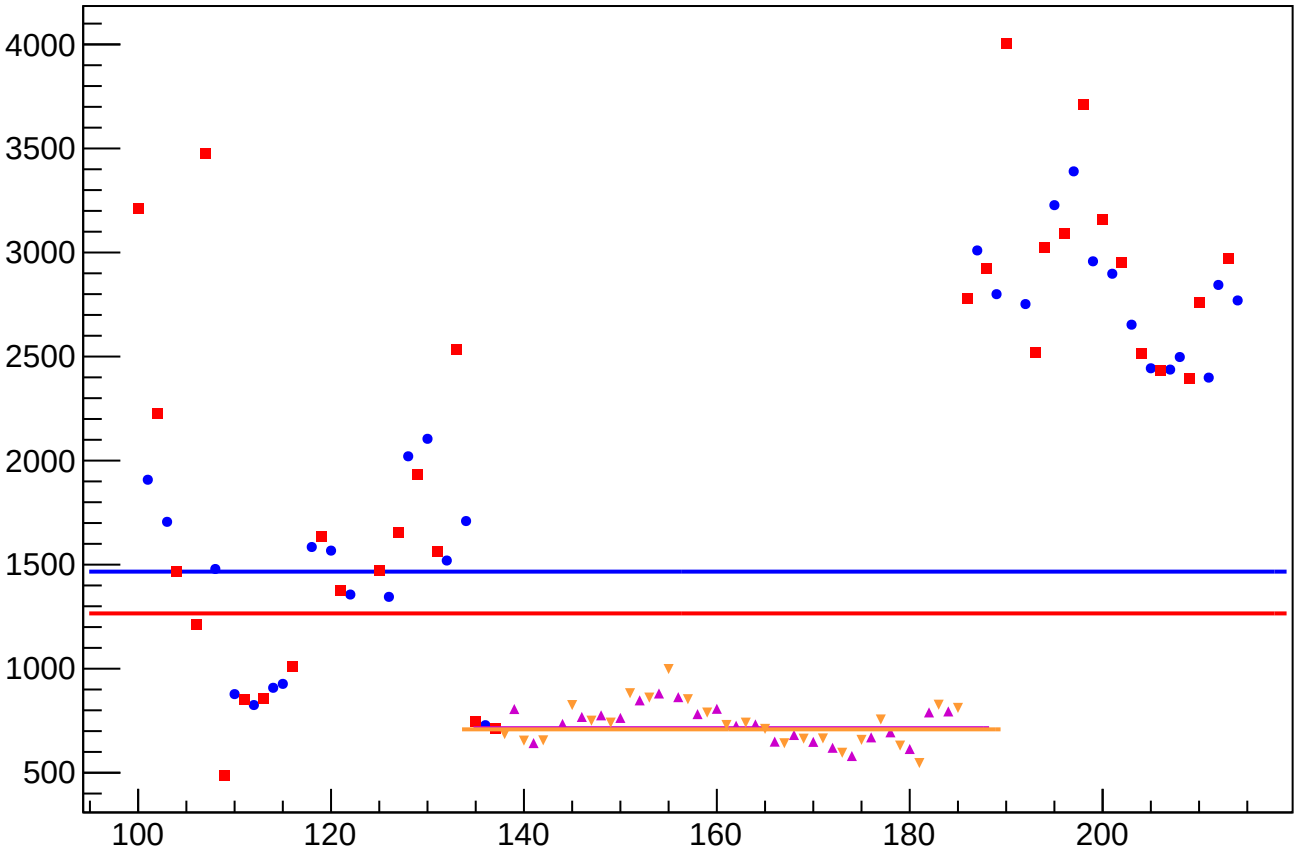
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 87.750+/-263.490 χ^2/NDF: 73.6/61

In: 34.104+/-154.526 χ^2/NDF:68.9/52

Out: -345.269+/-150.903 χ^2/NDF:102.8/55

All: -160.082+/-107.963 χ^2/NDF: 174.8/108



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

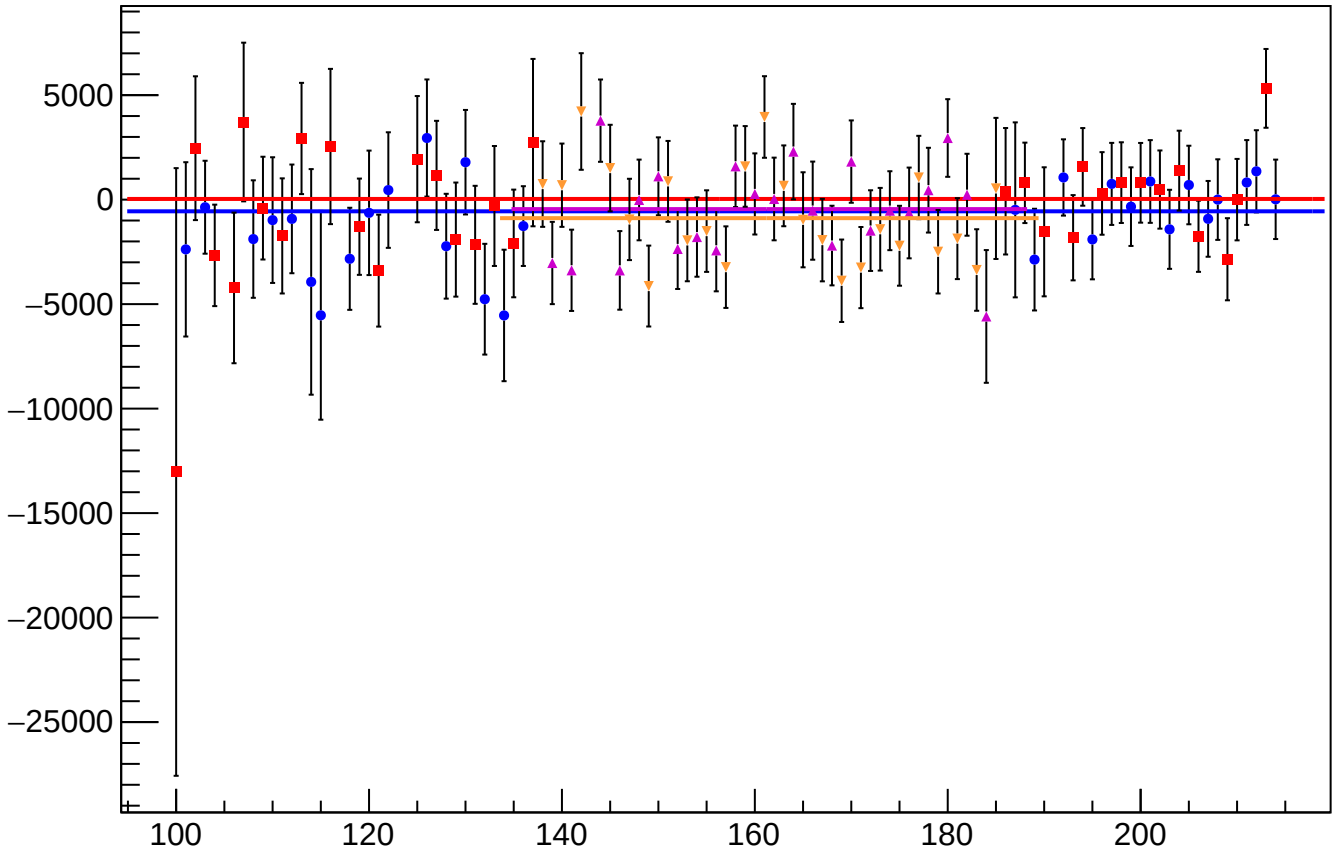
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1357.422+/-0.186 χ^2/NDF: 19905549.7/61

In: 832.423+/-0.109 χ^2/NDF:14875653.3/52

Out: 807.726+/-0.107 χ^2/NDF:16209629.8/55

All: 819.782+/-0.076 χ^2/NDF: 31111433.3/10



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

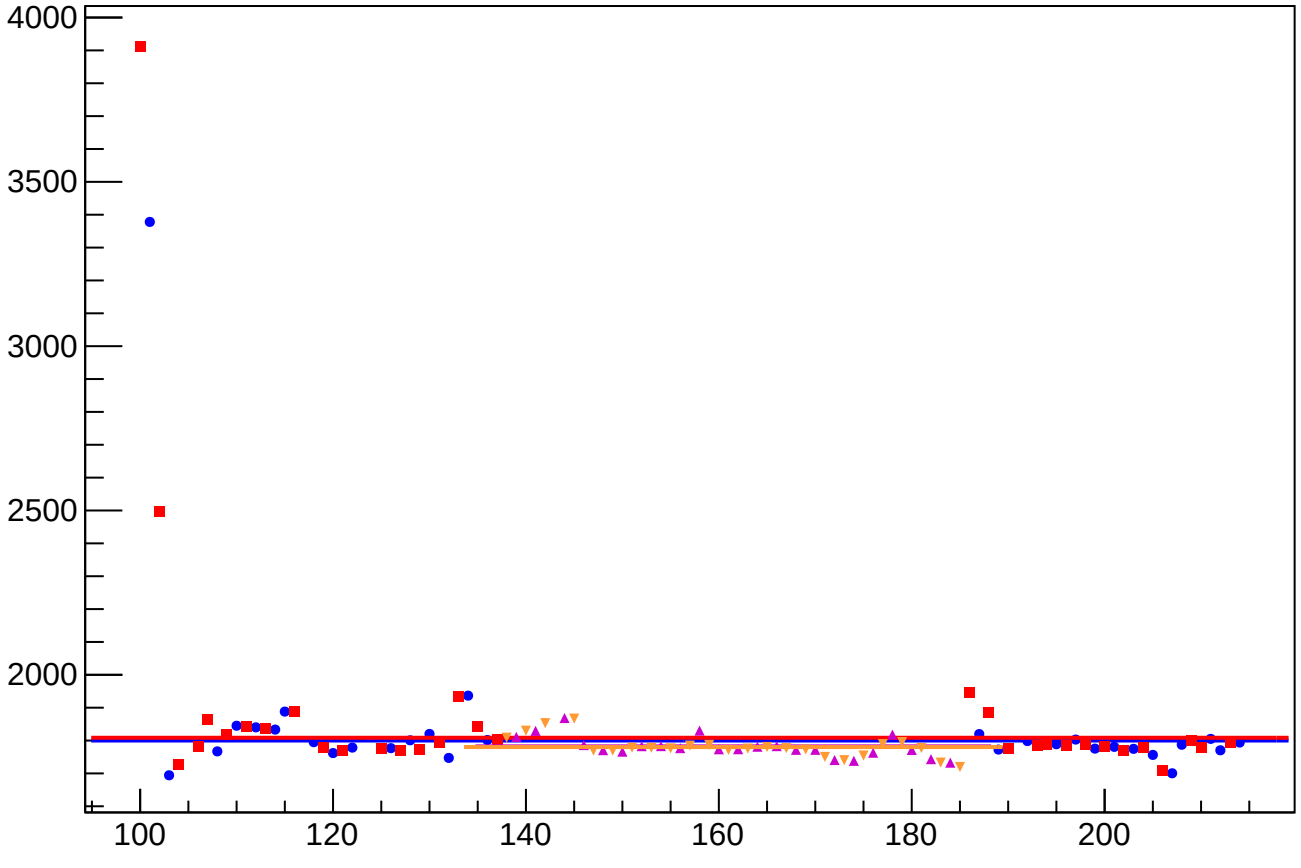
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -262.879+/-298.504 χ^2/NDF: 43.1/61

In: -505.327+/-296.437 χ^2/NDF:42.2/52

Out: -436.443+/-295.241 χ^2/NDF:56.3/55

All: -470.746+/-209.189 χ^2/NDF: 98.5/108



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

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

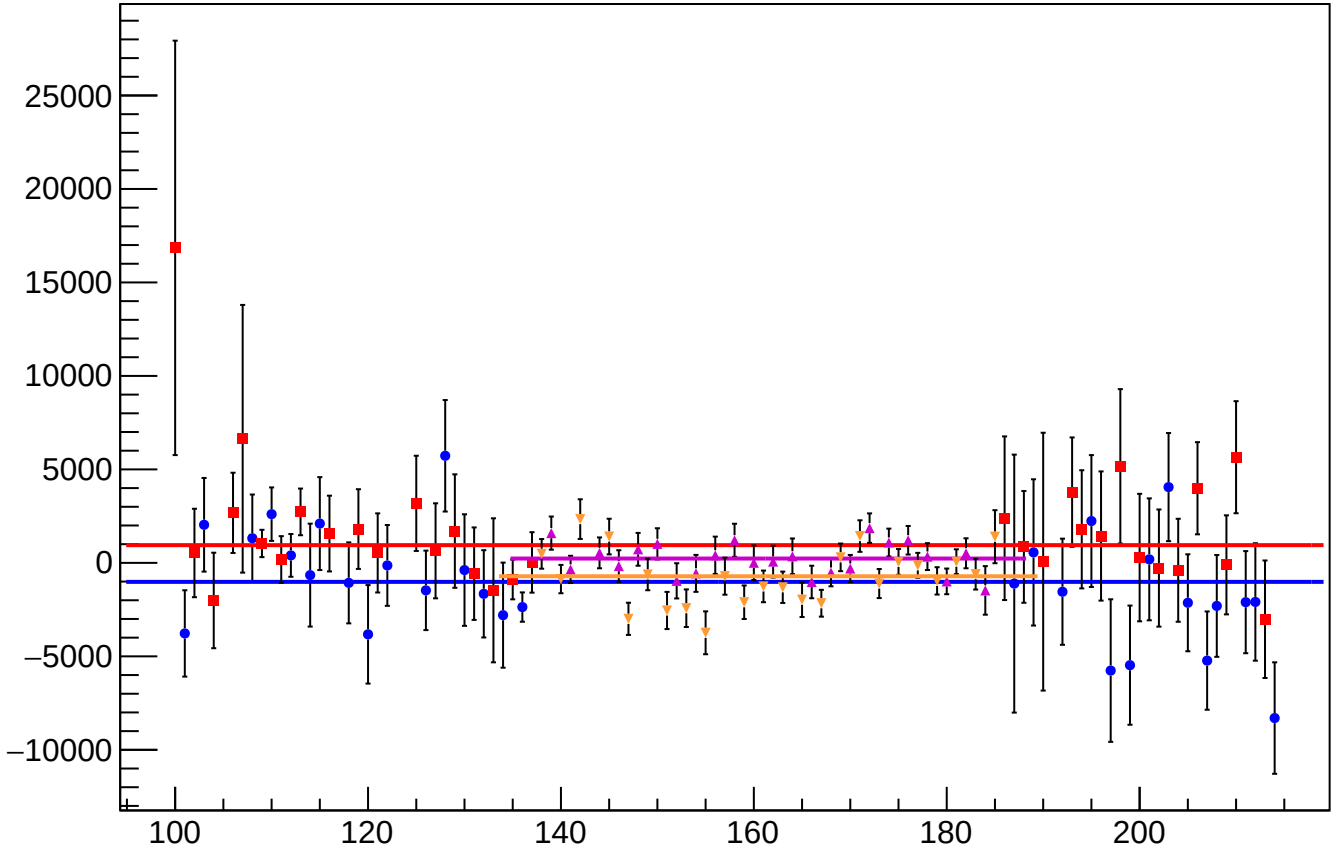
Right: 1804.293+/-0.211 χ^2/NDF: 457216.6/61

In: 1791.066+/-0.210 χ^2/NDF:320067.7/52

Out: 1794.057+/-0.209 χ^2/NDF:164748.3/55

All: 1792.568+/-0.148 χ^2/NDF: 484918.2/108

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



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

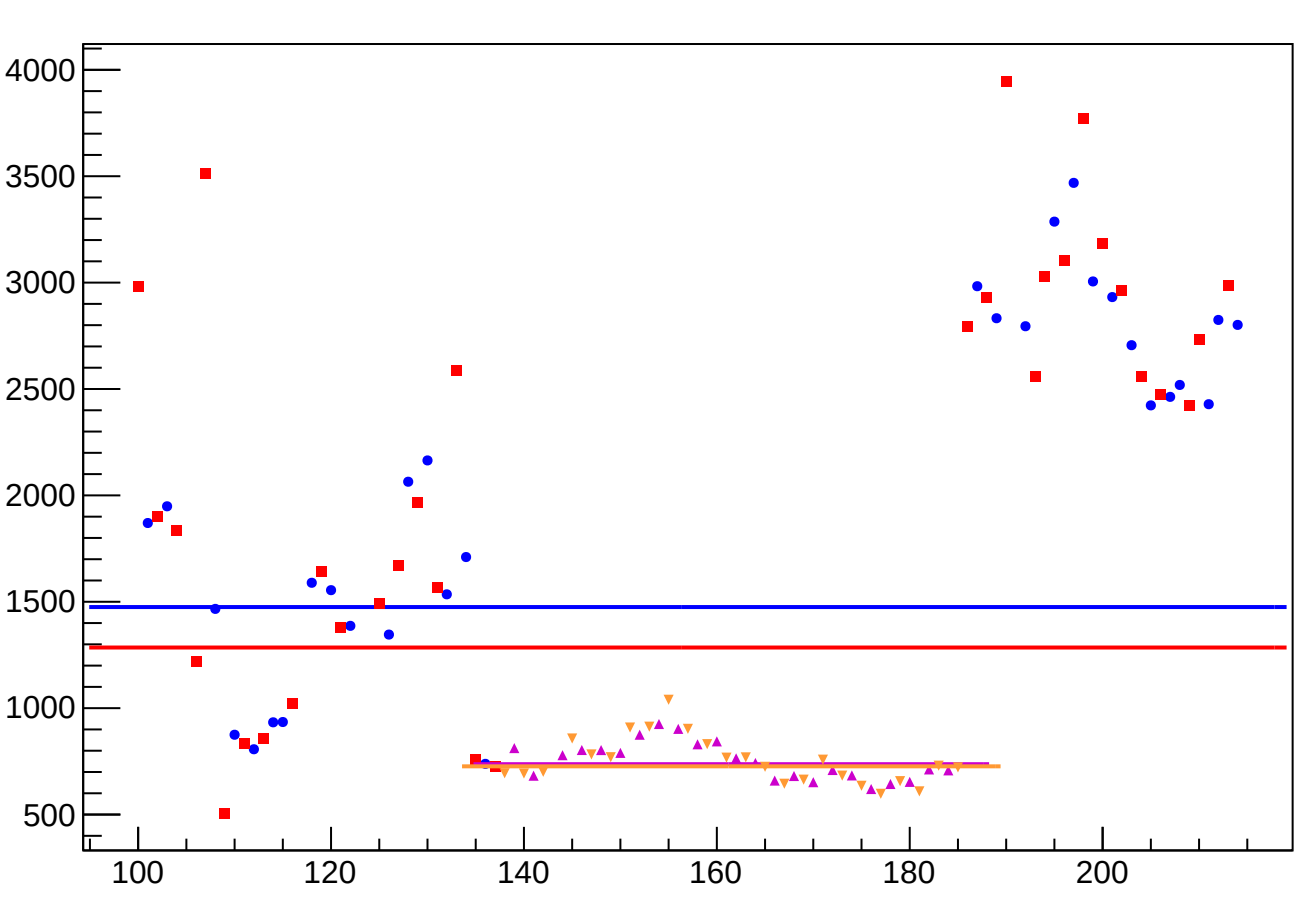
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

Right: 52.453+/-265.374 χ^2/NDF: 74.7/61

In: 27.961+/-158.666 χ^2/NDF:72.9/52

Out: -411.035+/-154.155 χ^2/NDF:97.6/55

All: -197.866+/-110.565 χ^2/NDF: 174.4/108



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

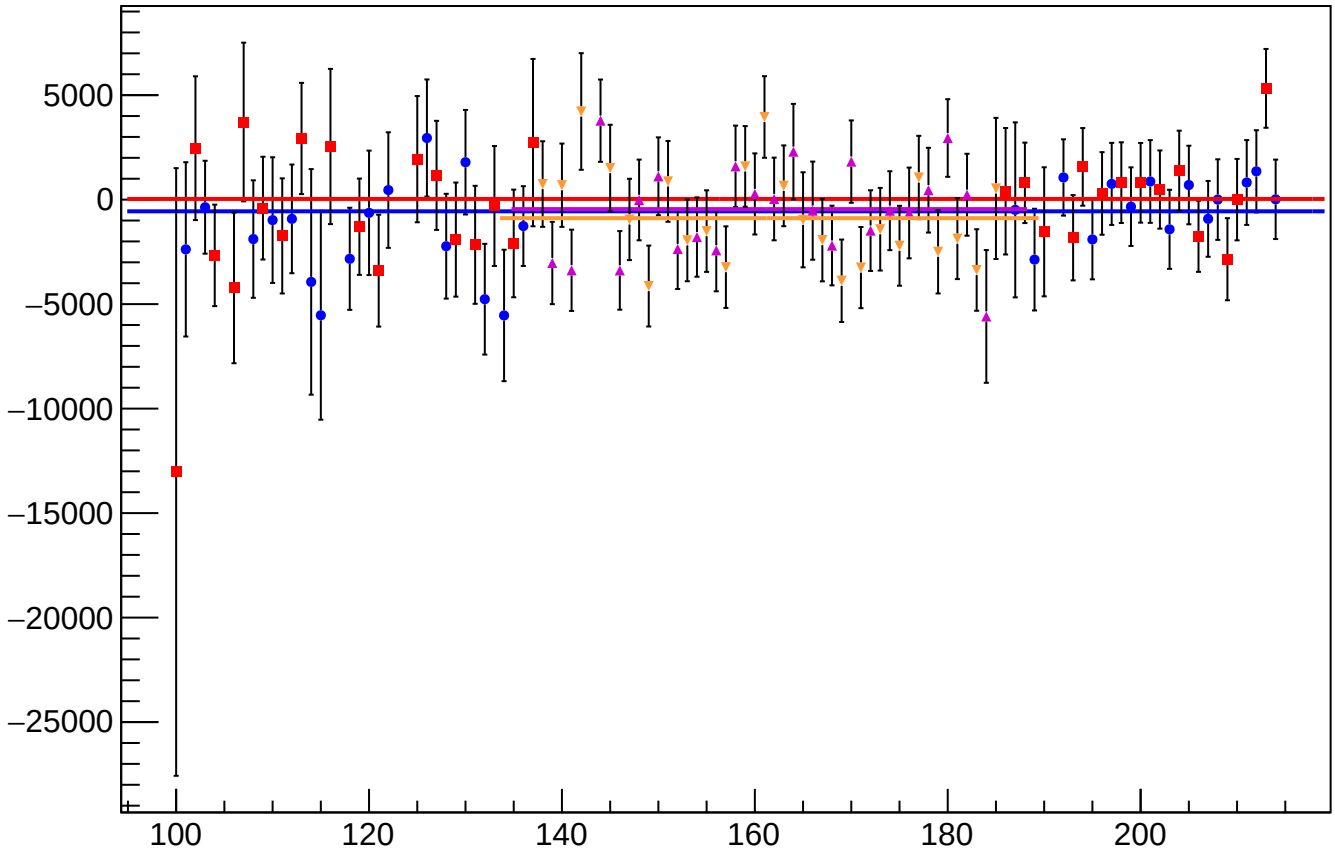
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1371.773+/-0.188 χ^2/NDF: 19895482.5/61

In: 857.133+/-0.112 χ^2/NDF:14614930.2/52

Out: 829.084+/-0.109 χ^2/NDF:16020959.0/55

All: 842.704+/-0.078 χ^2/NDF: 30668041.4/10



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

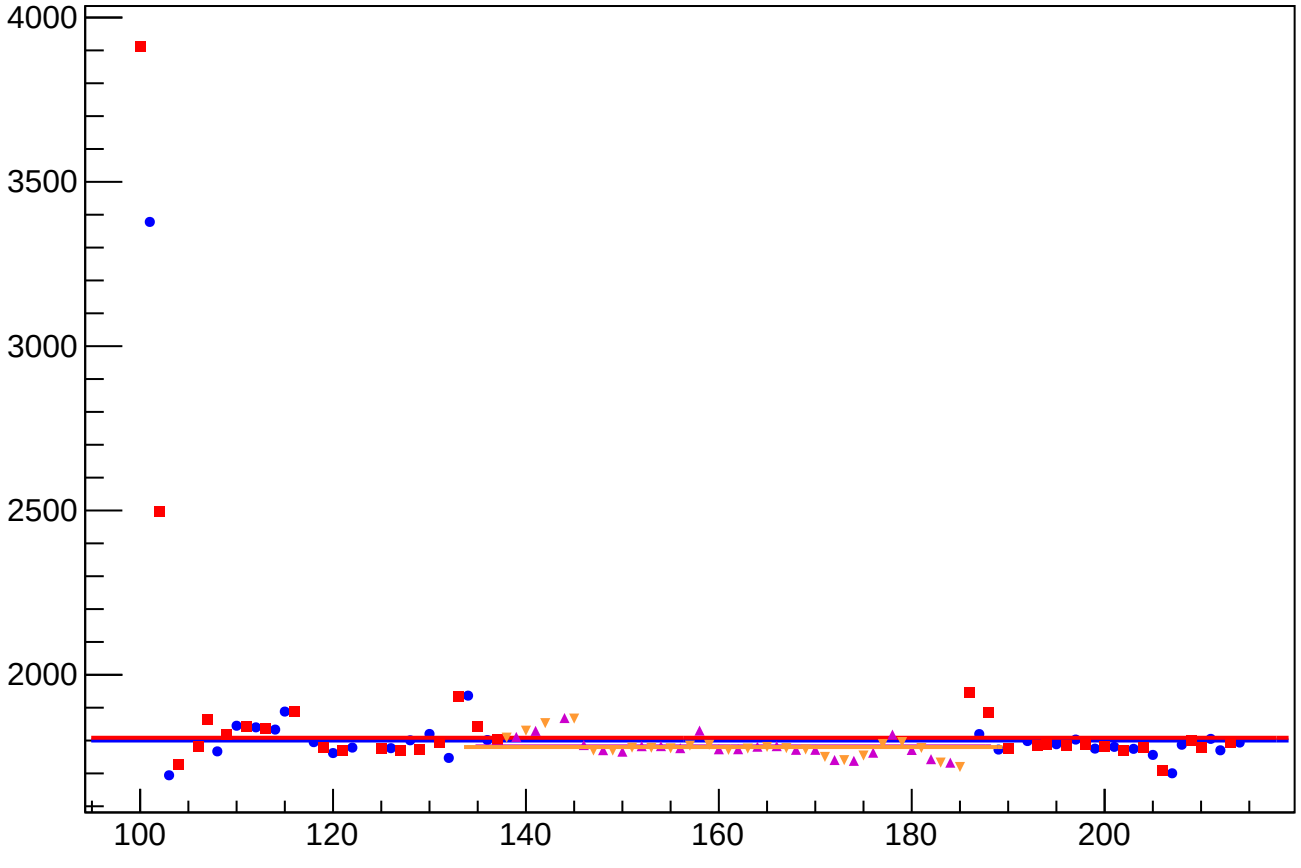
Left: -671.347+/-293.241 χ^2/NDF: 54.5/46

Right: -262.880+/-298.504 χ^2/NDF: 43.1/61

In: -505.327+/-296.437 χ^2/NDF:42.2/52

Out: -436.443+/-295.241 χ^2/NDF:56.3/55

All: -470.746+/-209.189 χ^2/NDF: 98.5/108



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

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

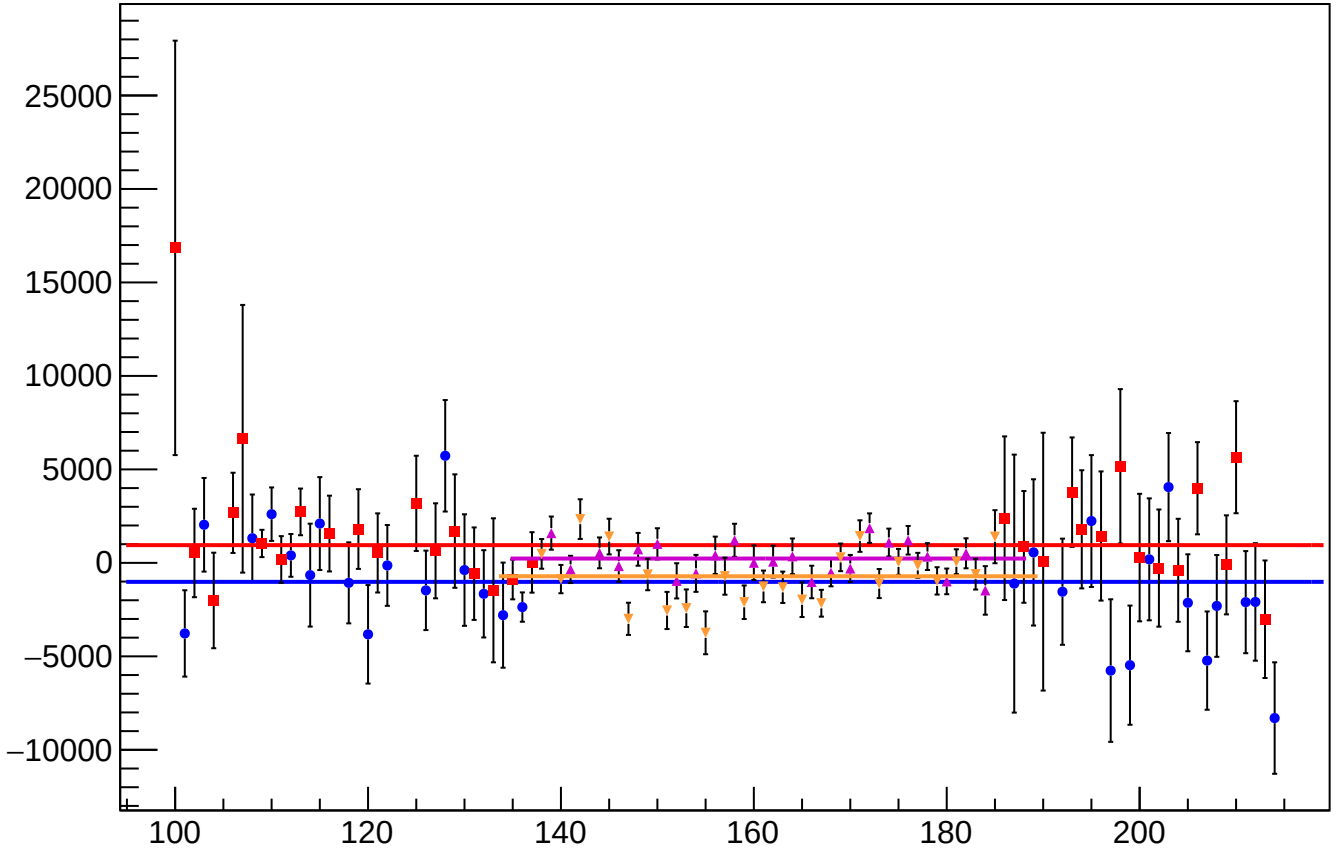
Right: 1804.293+/-0.211 χ^2/NDF: 457216.7/61

In: 1791.066+/-0.210 χ^2/NDF:320067.7/52

Out: 1794.057+/-0.209 χ^2/NDF:164748.4/55

All: 1792.568+/-0.148 χ^2/NDF: 484918.4/108

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

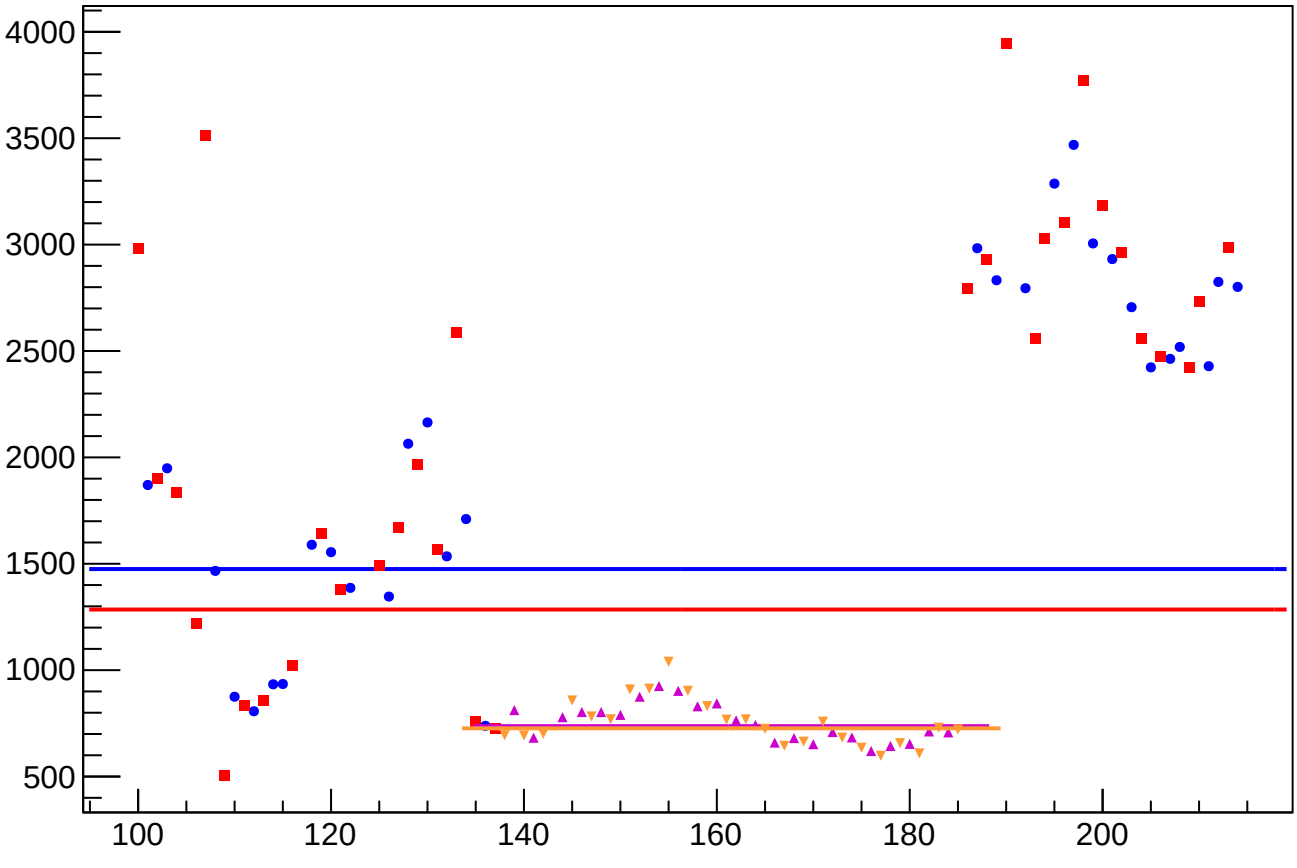
Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

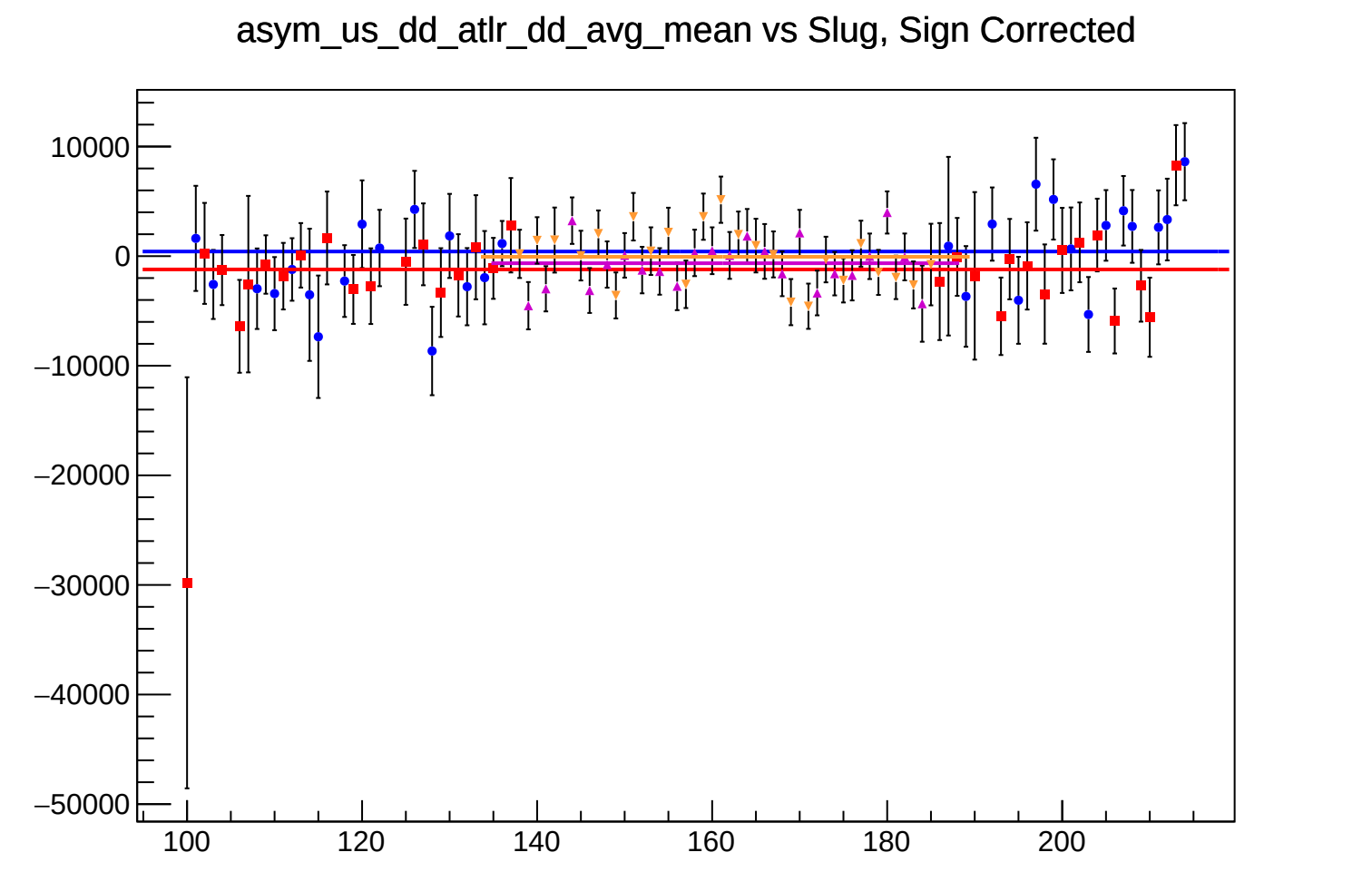
Right: 52.460+/-265.374 χ^2/NDF: 74.7/61

In: 27.961+/-158.666 χ^2/NDF:72.9/52

Out: -411.035+/-154.155 χ^2/NDF:97.6/55

All: -197.866+/-110.565 χ^2/NDF: 174.4/108


asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1475.217+/-0.278 χ²/NDF: 8236707.9/29
Left Out: 726.605+/-0.121 χ²/NDF:684780.2/23
Right Out: 1285.017+/-0.254 χ²/NDF: 11403808.8/31
Left In: 736.709+/-0.123 χ²/NDF:465053.4/22
Left: 731.574+/-0.086 χ²/NDF: 1153283.6/46
Right: 1371.776+/-0.188 χ²/NDF: 19895386.2/61
In: 857.132+/-0.112 χ²/NDF:14614933.6/52
Out: 829.084+/-0.109 χ²/NDF:16020939.0/55
All: 842.704+/-0.078 χ²/NDF: 30668022.9/10



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

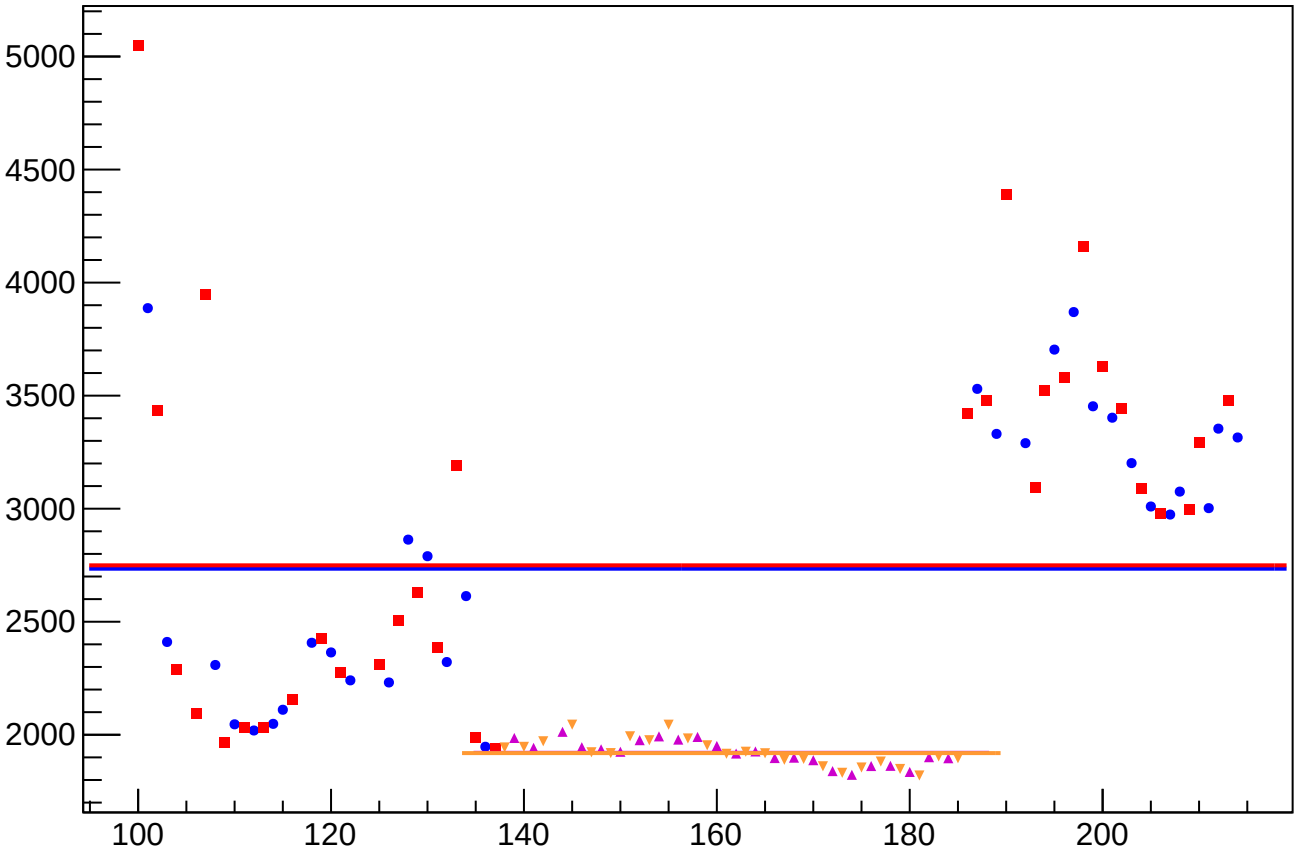
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -391.000+/-463.918 χ^2/NDF: 57.2/61

In: -304.787+/-369.908 χ^2/NDF:58.2/52

Out: -422.723+/-368.983 χ^2/NDF:56.5/55

All: -363.902+/-261.237 χ^2/NDF: 114.7/108



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

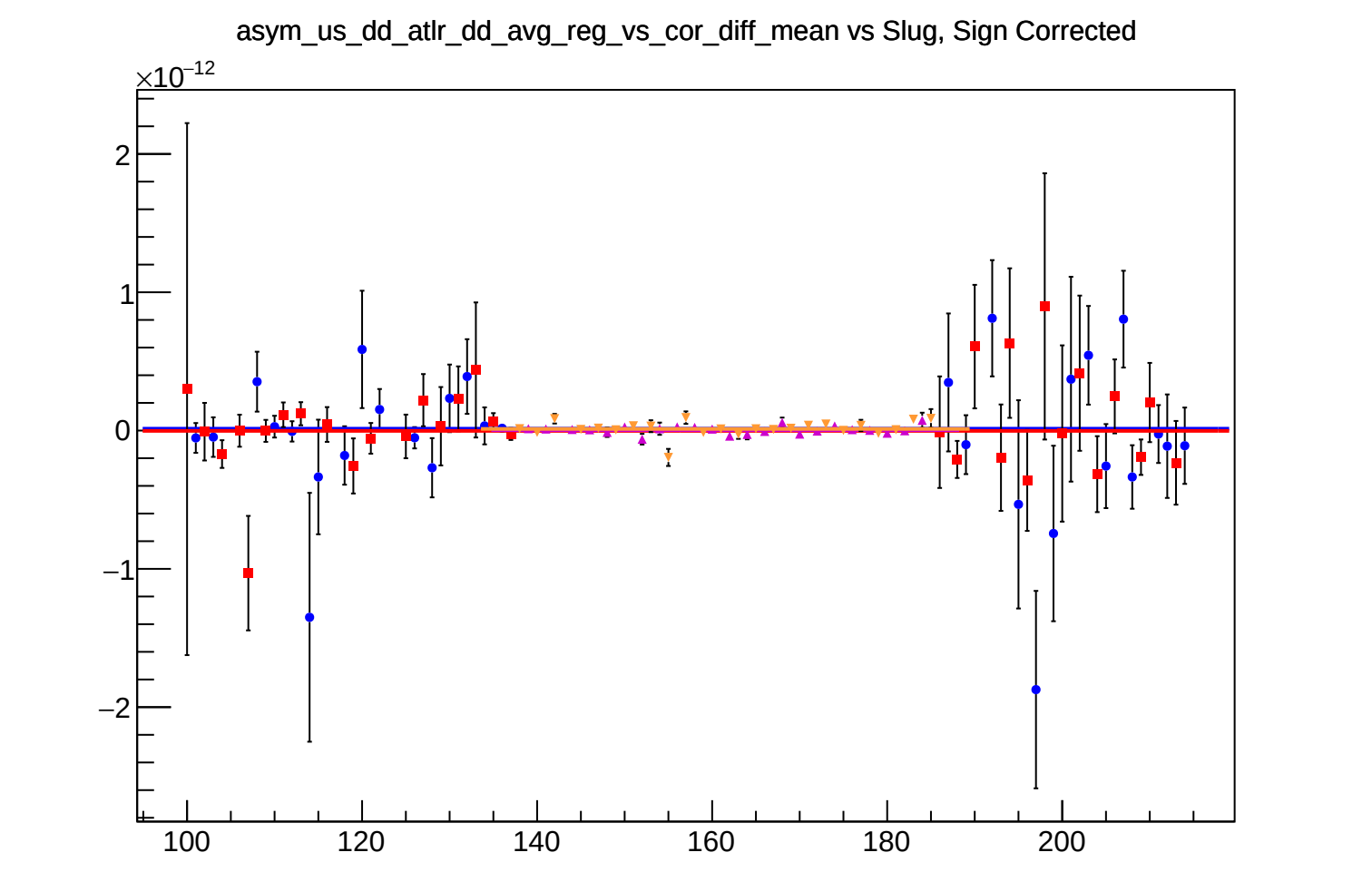
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2741.972+/-0.328 χ^2/NDF: 3527221.6/61

In: 2180.711+/-0.262 χ^2/NDF:3722169.0/52

Out: 2180.017+/-0.261 χ^2/NDF:4162525.8/55

All: 2180.363+/-0.185 χ^2/NDF: 7884698.4/10



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

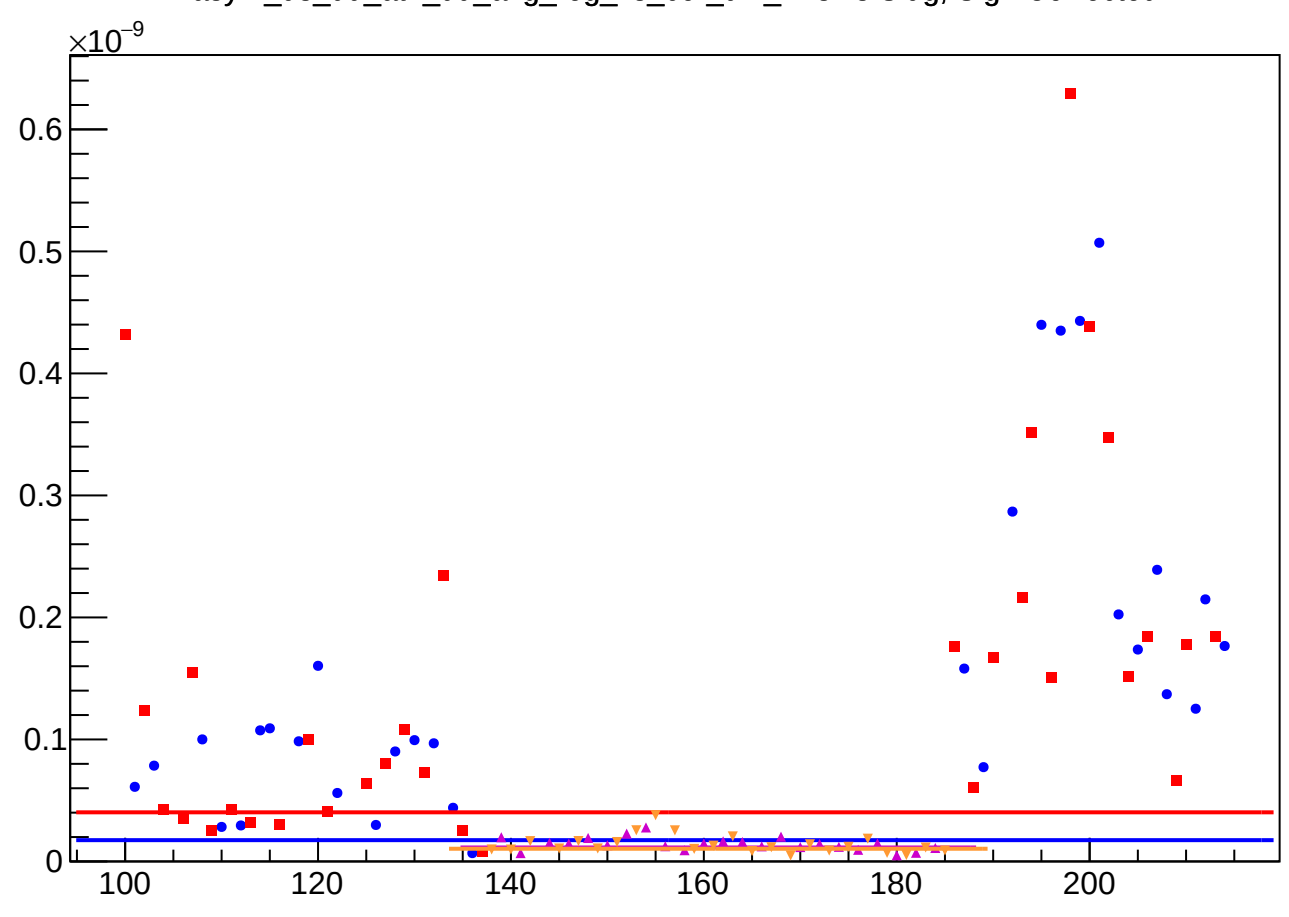
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 73.1/61

In: 0.000+/-0.000 χ^2/NDF:59.4/52

Out: 0.000+/-0.000 χ^2/NDF:72.0/55

All: 0.000+/-0.000 χ^2/NDF: 132.5/108



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

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

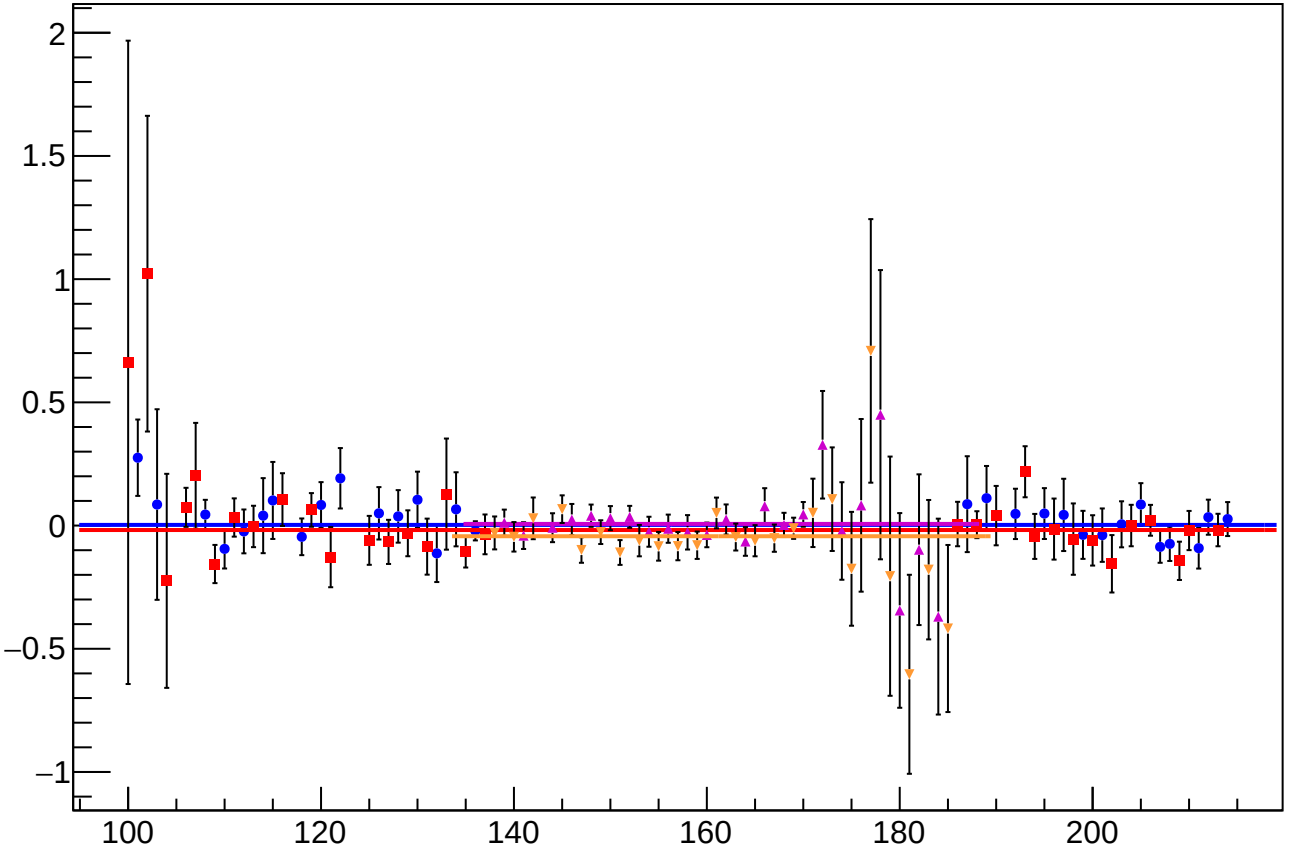
Right: 0.000+/-0.000 χ^2/NDF: 21839906.7/61

In: 0.000+/-0.000 χ^2/NDF:14189007.7/52

Out: 0.000+/-0.000 χ^2/NDF:13778183.0/55

All: 0.000+/-0.000 χ^2/NDF: 27979730.8/108

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

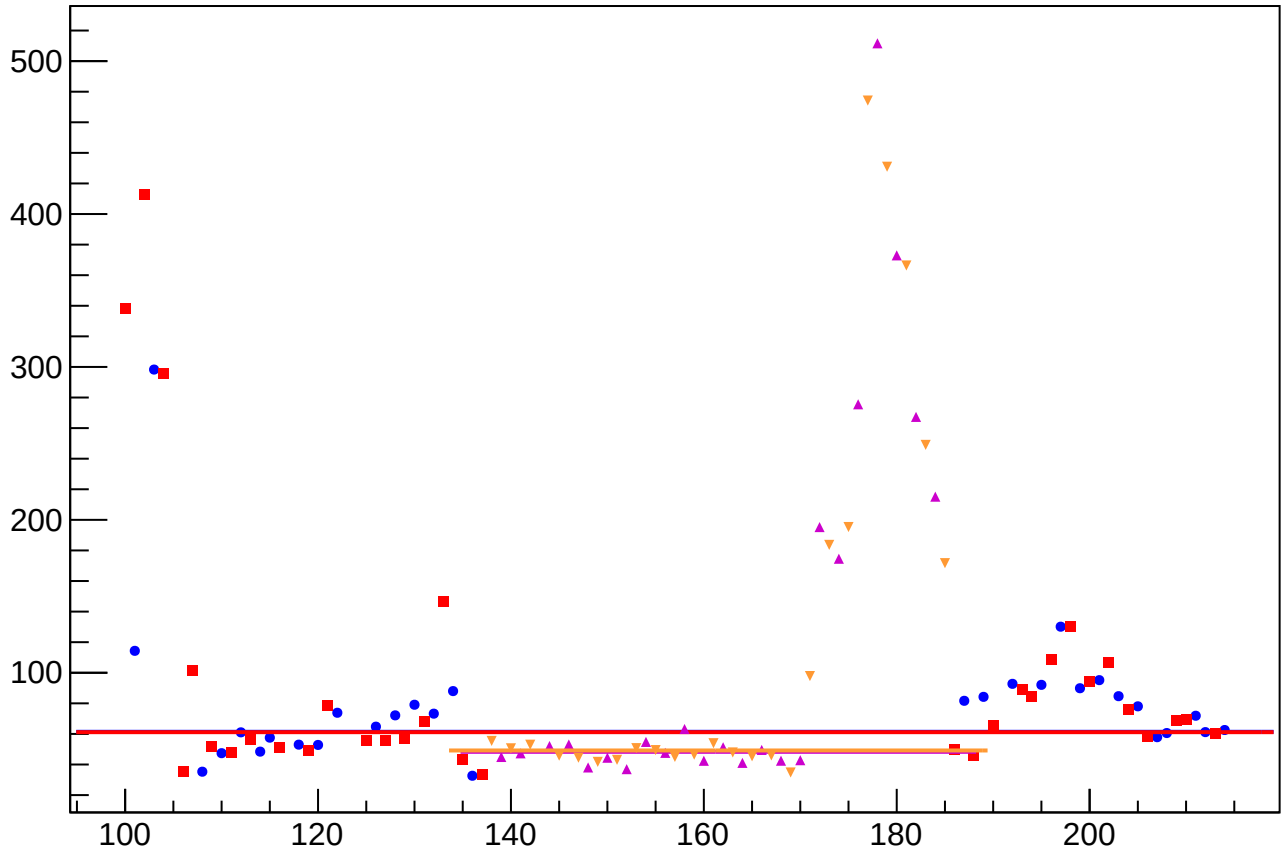
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.008+/-0.011 χ^2/NDF: 46.4/61

In: 0.005+/-0.010 χ^2/NDF:30.5/52

Out: -0.033+/-0.011 χ^2/NDF:46.7/55

All: -0.013+/-0.007 χ^2/NDF: 83.7/108



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

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

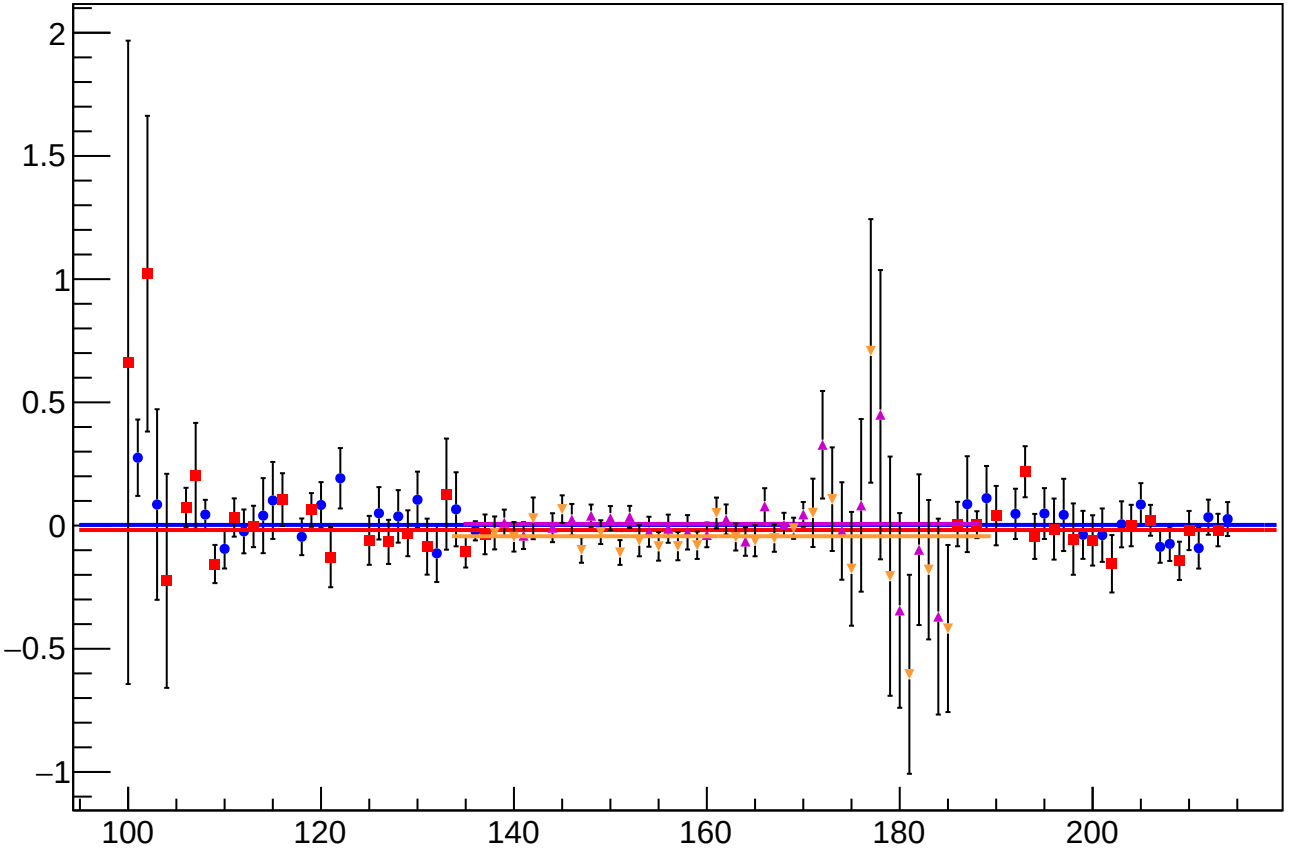
Right: 61.270+/-0.008 χ^2/NDF: 8558464.4/61

In: 53.711+/-0.007 χ^2/NDF:12053716.4/52

Out: 54.286+/-0.007 χ^2/NDF:12200818.7/55

All: 53.994+/-0.005 χ^2/NDF: 24257560.2/108

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

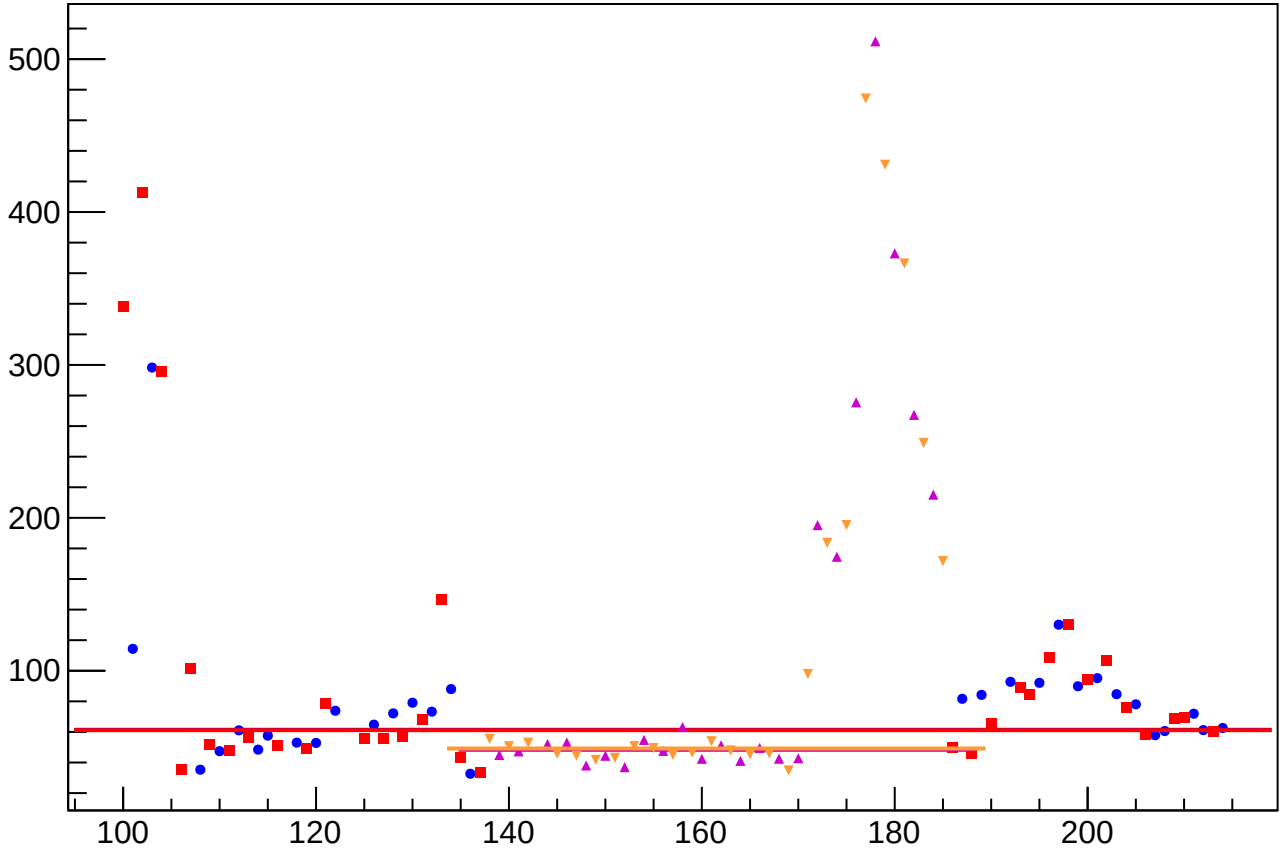
Right: -0.008+/-0.011 χ^2/NDF: 46.4/61

In: 0.005+/-0.010 χ^2/NDF:30.5/52

Out: -0.033+/-0.011 χ^2/NDF:46.7/55

All: -0.013+/-0.007 χ^2/NDF: 83.7/108

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

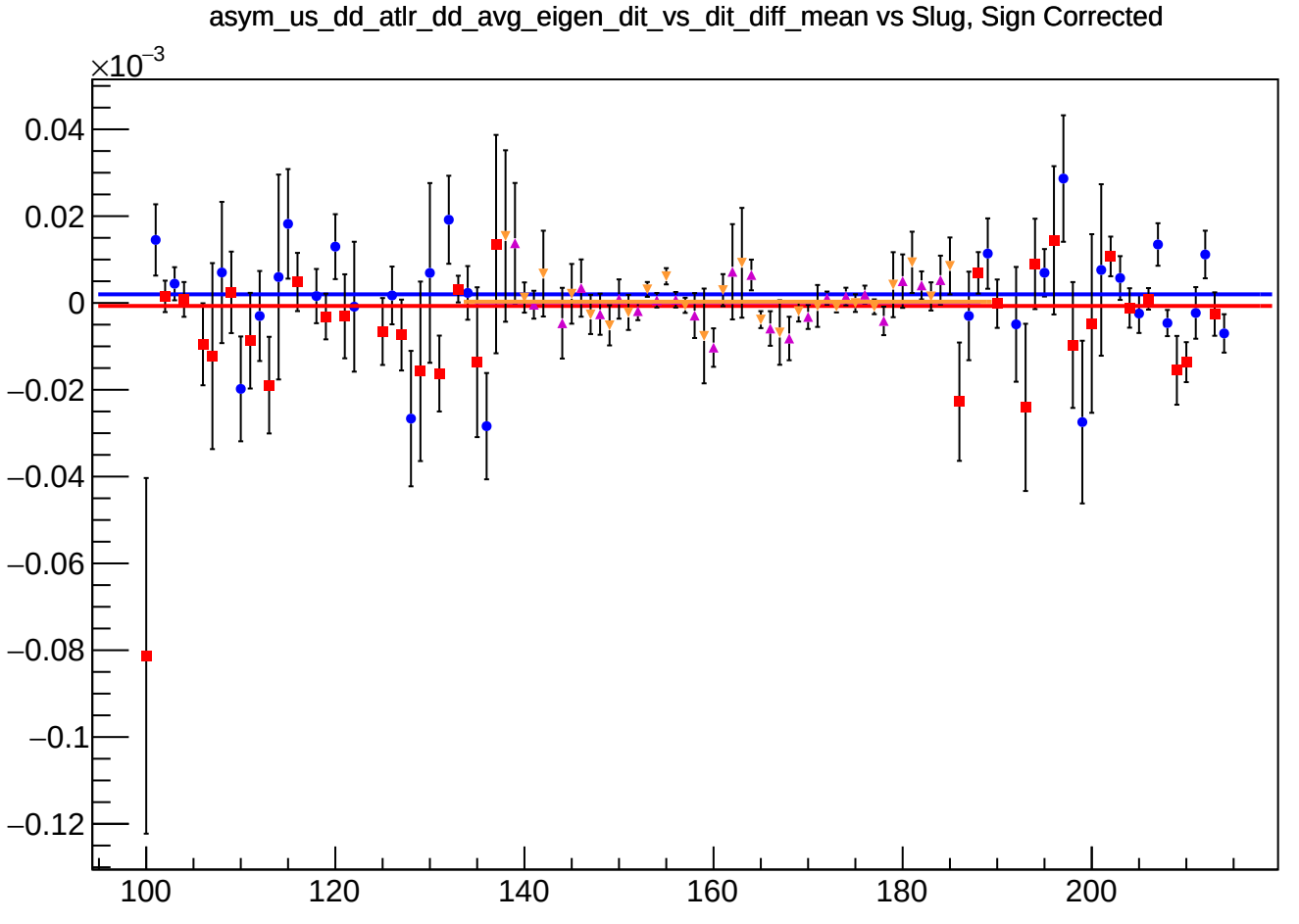
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 61.270+/-0.008 χ^2/NDF: 8558464.4/61

In: 53.711+/-0.007 χ^2/NDF:12053716.4/52

Out: 54.286+/-0.007 χ^2/NDF:12200818.7/55

All: 53.994+/-0.005 χ^2/NDF: 24257560.2/108



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

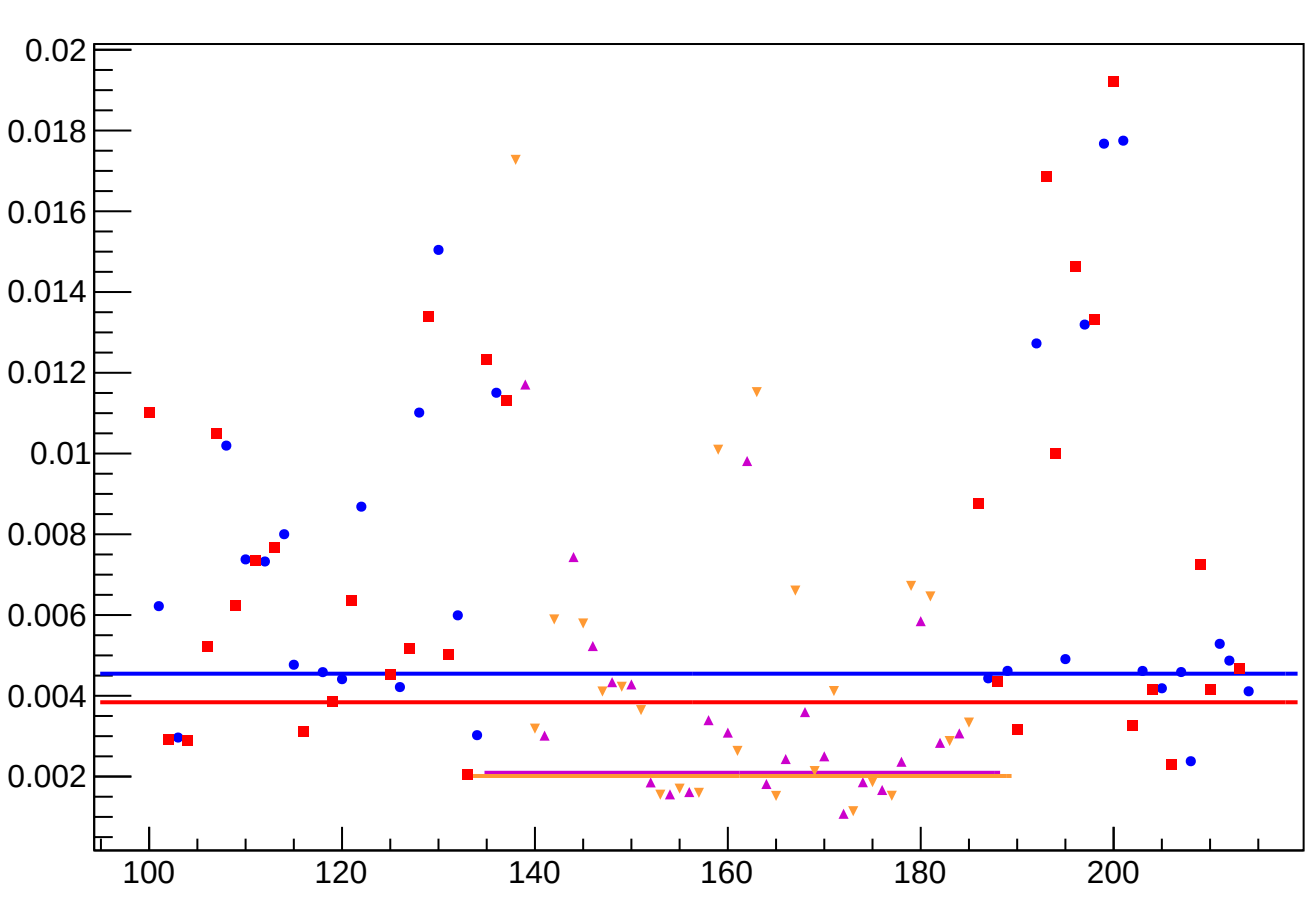
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 97.5/61

In: 0.000+/-0.000 χ^2/NDF:77.6/52

Out: 0.000+/-0.000 χ^2/NDF:73.7/55

All: 0.000+/-0.000 χ^2/NDF: 151.6/108



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

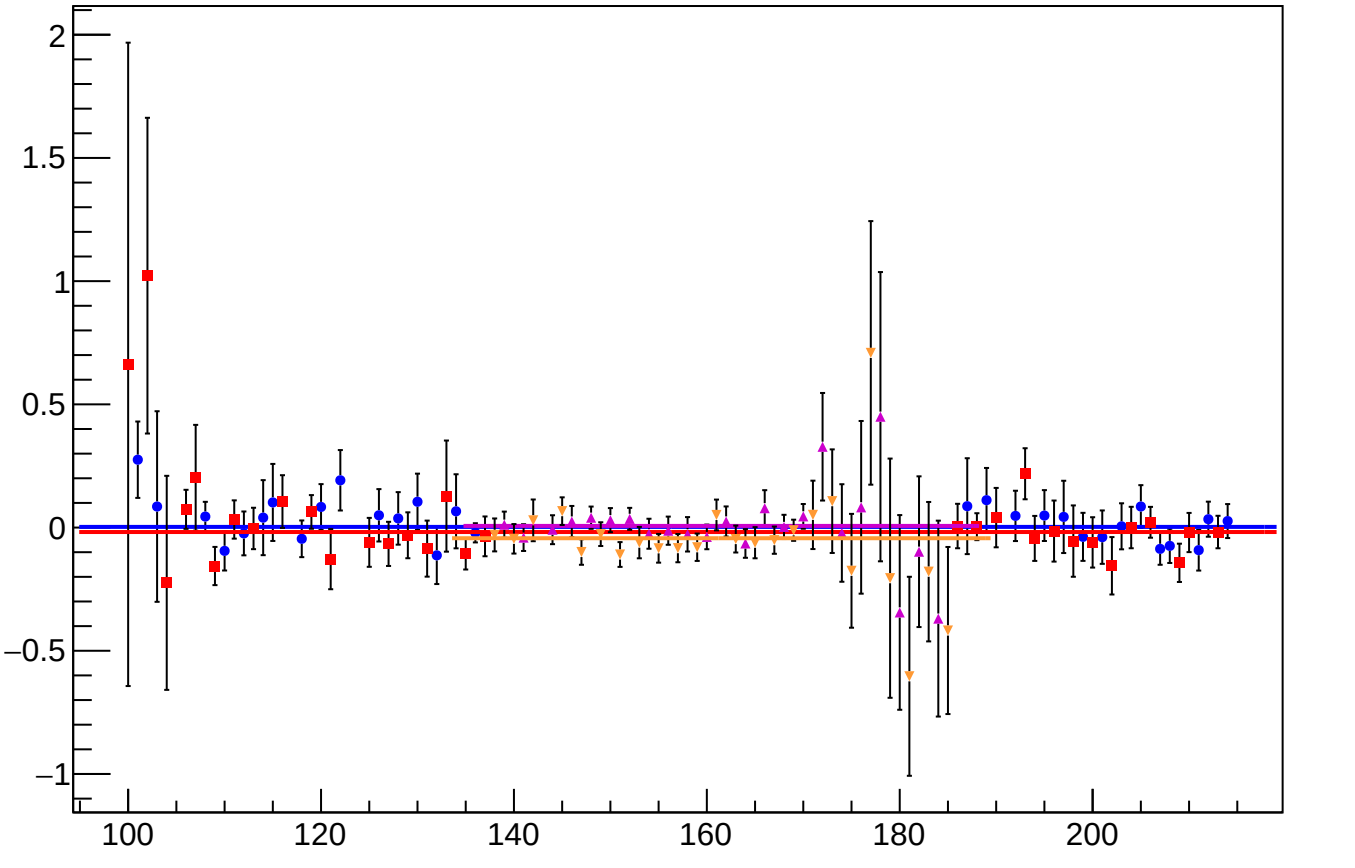
Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

Right: 0.004+/-0.000 χ^2/NDF: 16701712.2/61

In: 0.003+/-0.000 χ^2/NDF:20770581.2/52

Out: 0.002+/-0.000 χ^2/NDF:23890892.3/55

All: 0.002+/-0.000 χ^2/NDF: 44755509.1/108



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

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

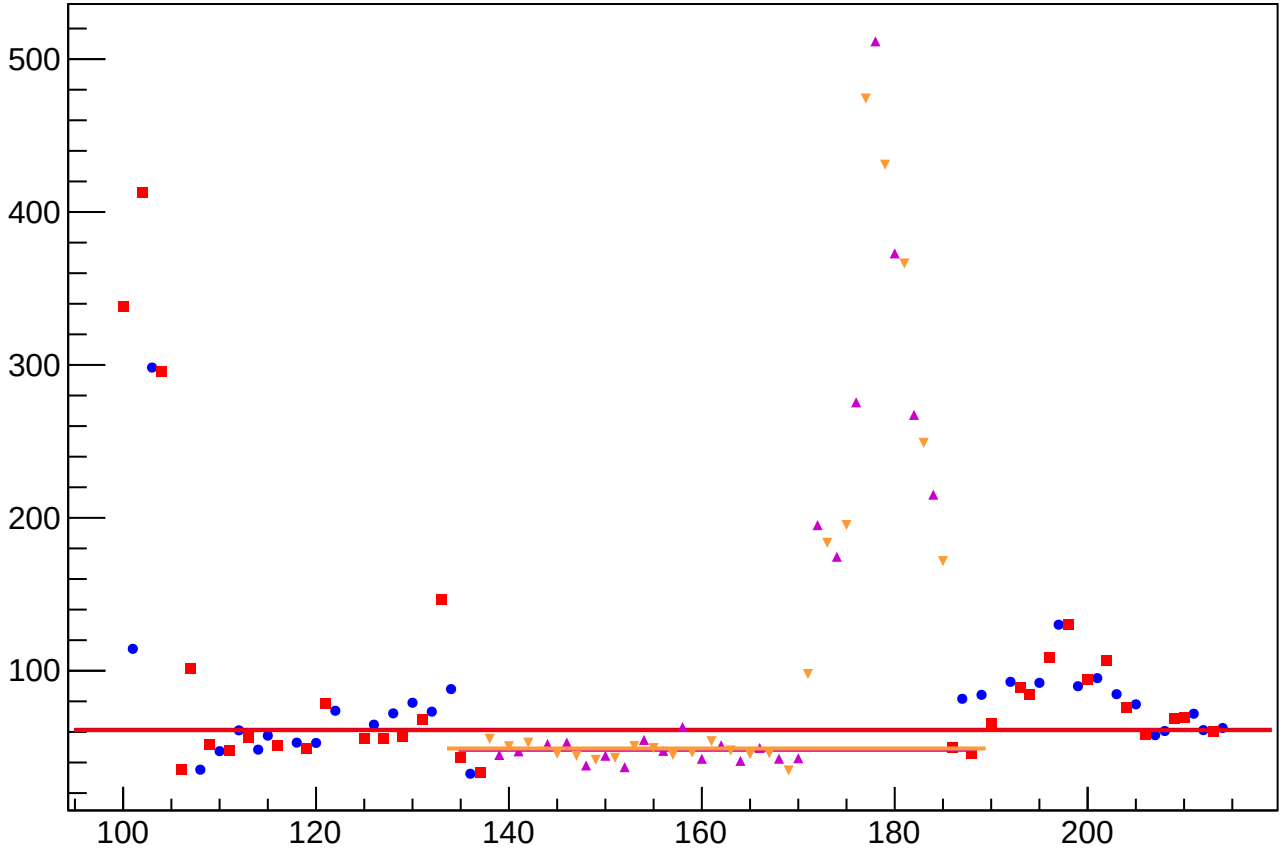
Right: -0.008+/-0.011 χ^2/NDF: 46.4/61

In: 0.005+/-0.010 χ^2/NDF:30.5/52

Out: -0.033+/-0.011 χ^2/NDF:46.7/55

All: -0.013+/-0.007 χ^2/NDF: 83.7/108

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

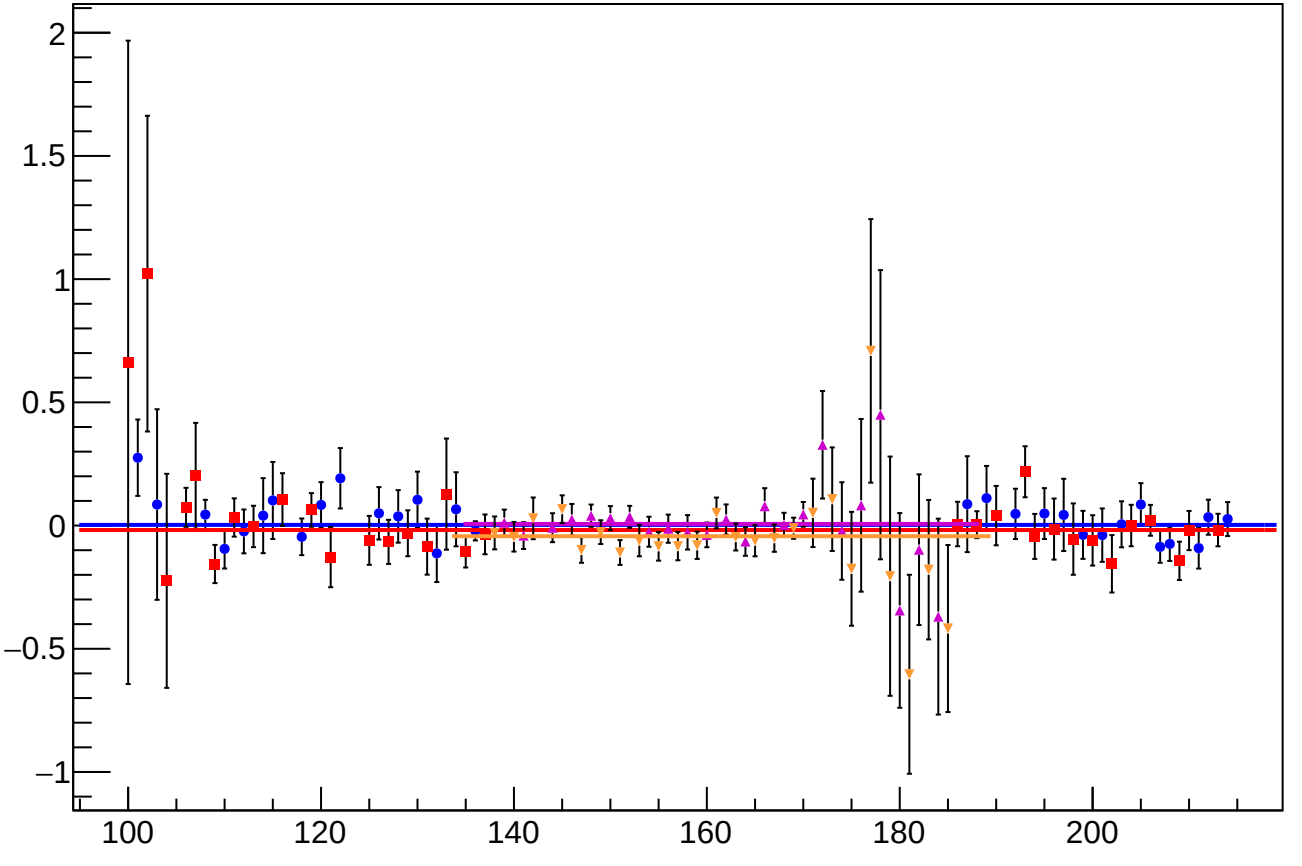
Right: 61.271+/-0.008 χ^2/NDF: 8558169.1/61

In: 53.712+/-0.007 χ^2/NDF:12053472.5/52

Out: 54.286+/-0.007 χ^2/NDF:12200778.5/55

All: 53.994+/-0.005 χ^2/NDF: 24257273.4/108

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

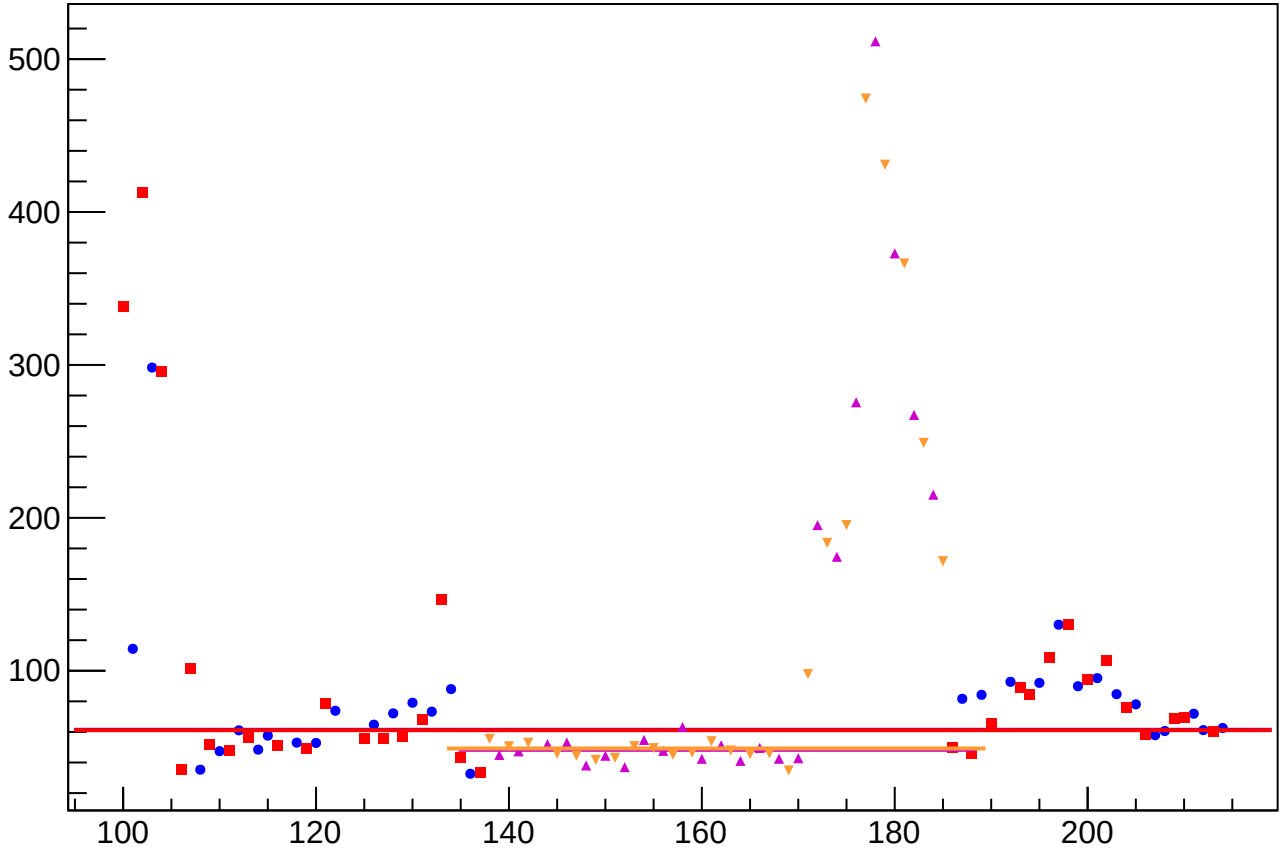
Right: -0.008+/-0.011 χ^2/NDF: 46.4/61

In: 0.005+/-0.010 χ^2/NDF:30.5/52

Out: -0.033+/-0.011 χ^2/NDF:46.7/55

All: -0.013+/-0.007 χ^2/NDF: 83.7/108

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

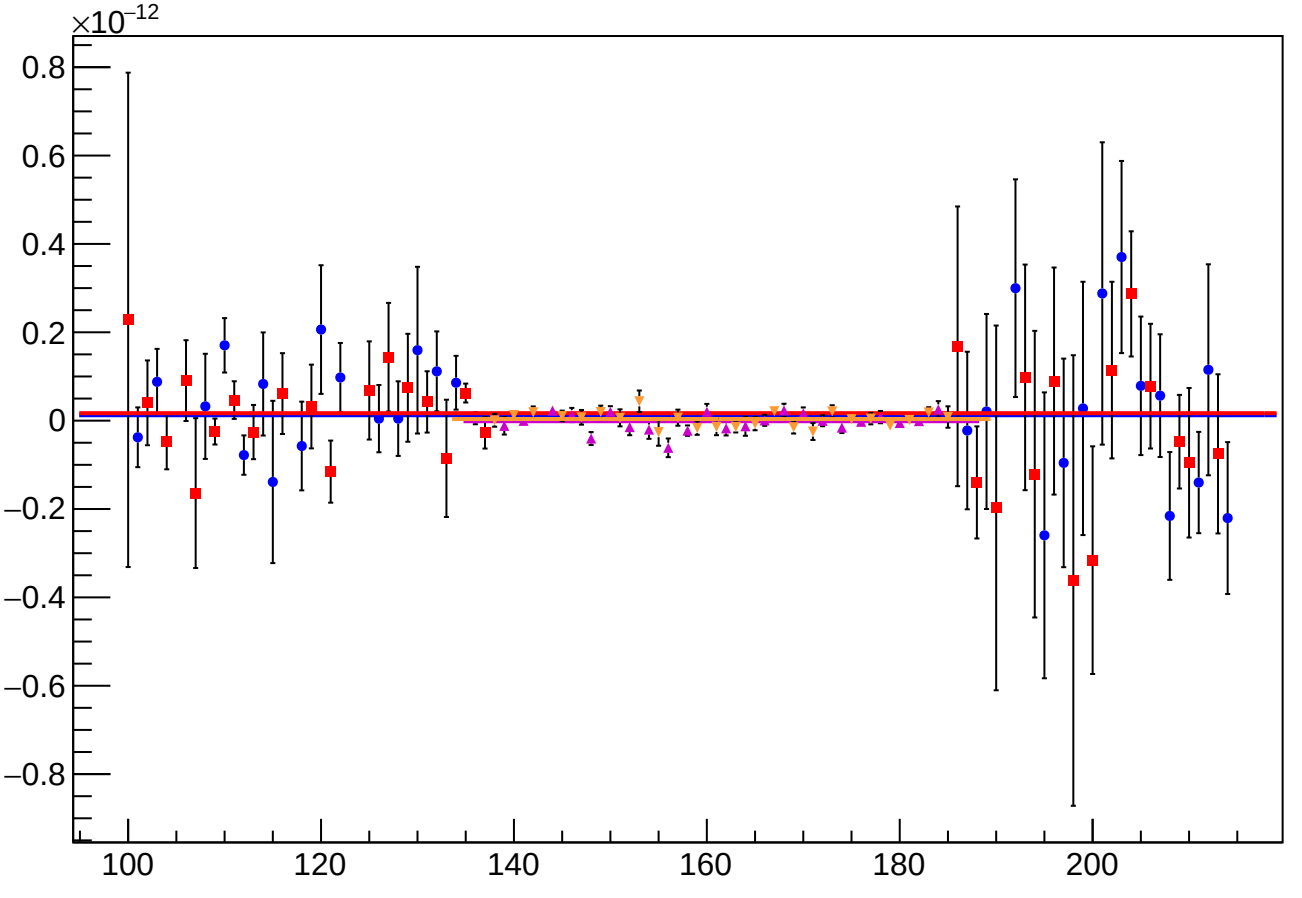
Right: 61.271+/-0.008 χ^2/NDF: 8558169.1/61

In: 53.712+/-0.007 χ^2/NDF:12053472.5/52

Out: 54.286+/-0.007 χ^2/NDF:12200778.5/55

All: 53.994+/-0.005 χ^2/NDF: 24257273.4/108

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/31

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

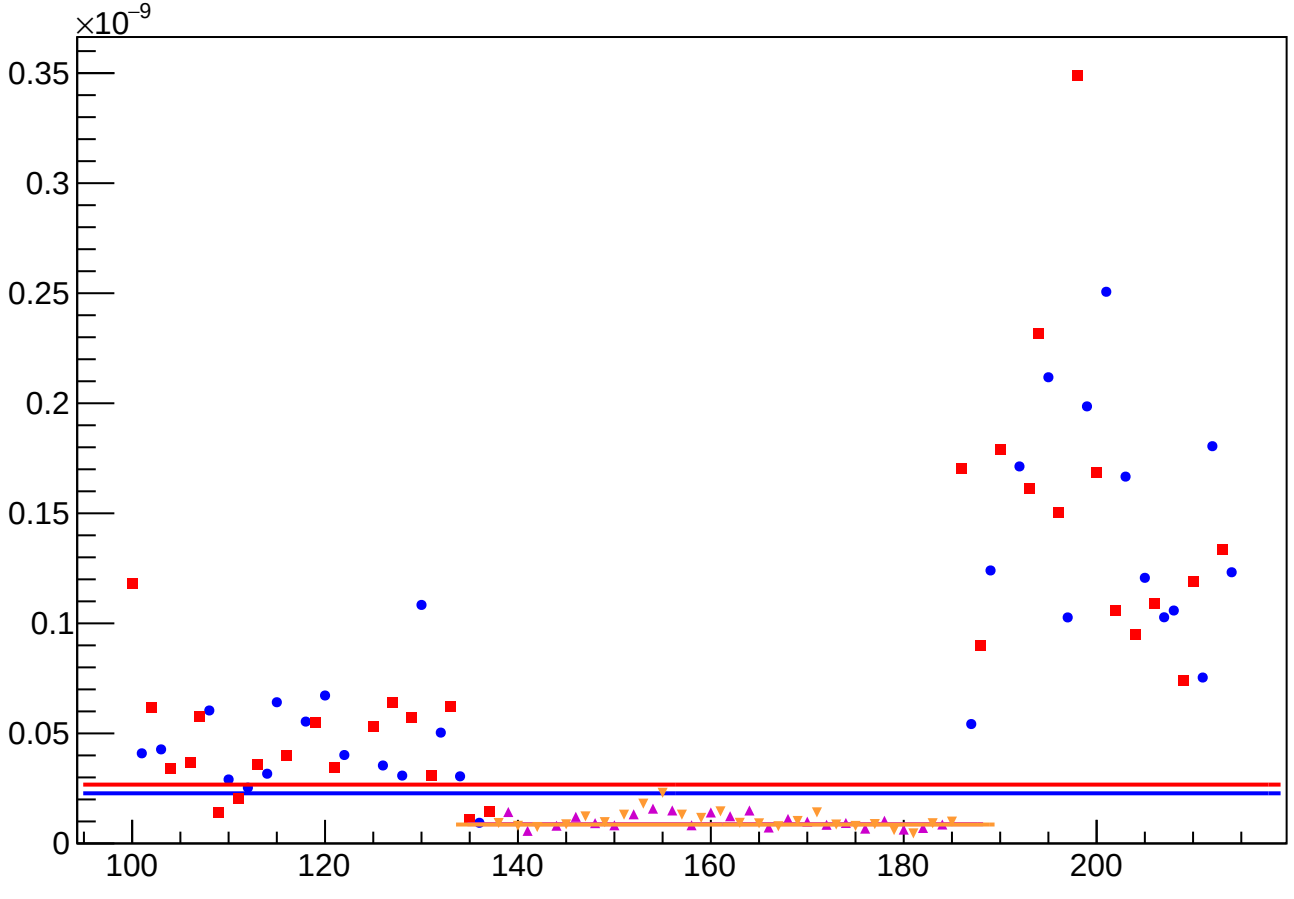
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

Right: 0.000+/-0.000 χ^2/NDF: 60.4/61

In: -0.000+/-0.000 χ^2/NDF:74.0/52

Out: 0.000+/-0.000 χ^2/NDF:53.5/55

All: 0.000+/-0.000 χ^2/NDF: 129.2/108



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

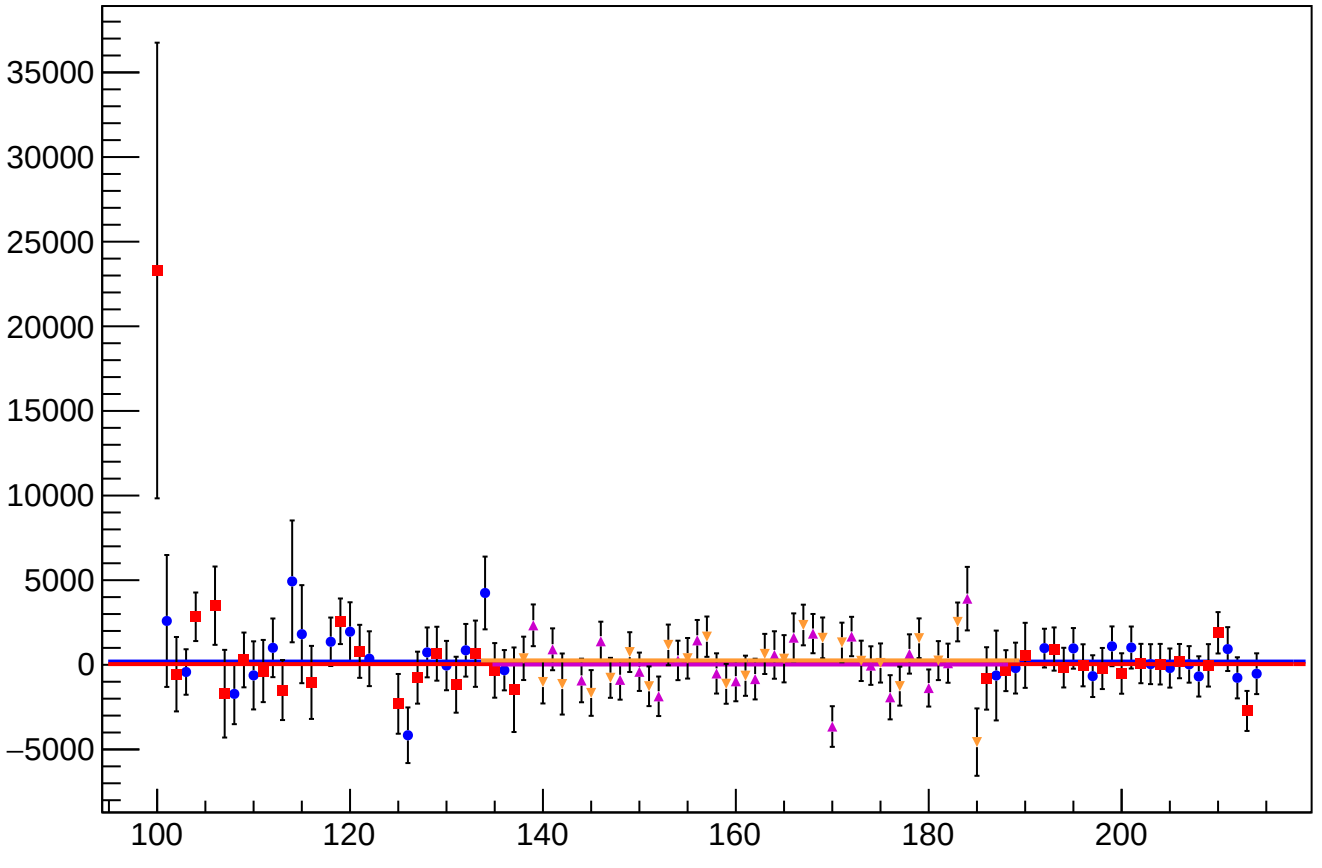
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 23177400.4/61

In: 0.000+/-0.000 χ^2/NDF:17487107.7/52

Out: 0.000+/-0.000 χ^2/NDF:17328649.6/55

All: 0.000+/-0.000 χ^2/NDF: 34817826.9/108



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

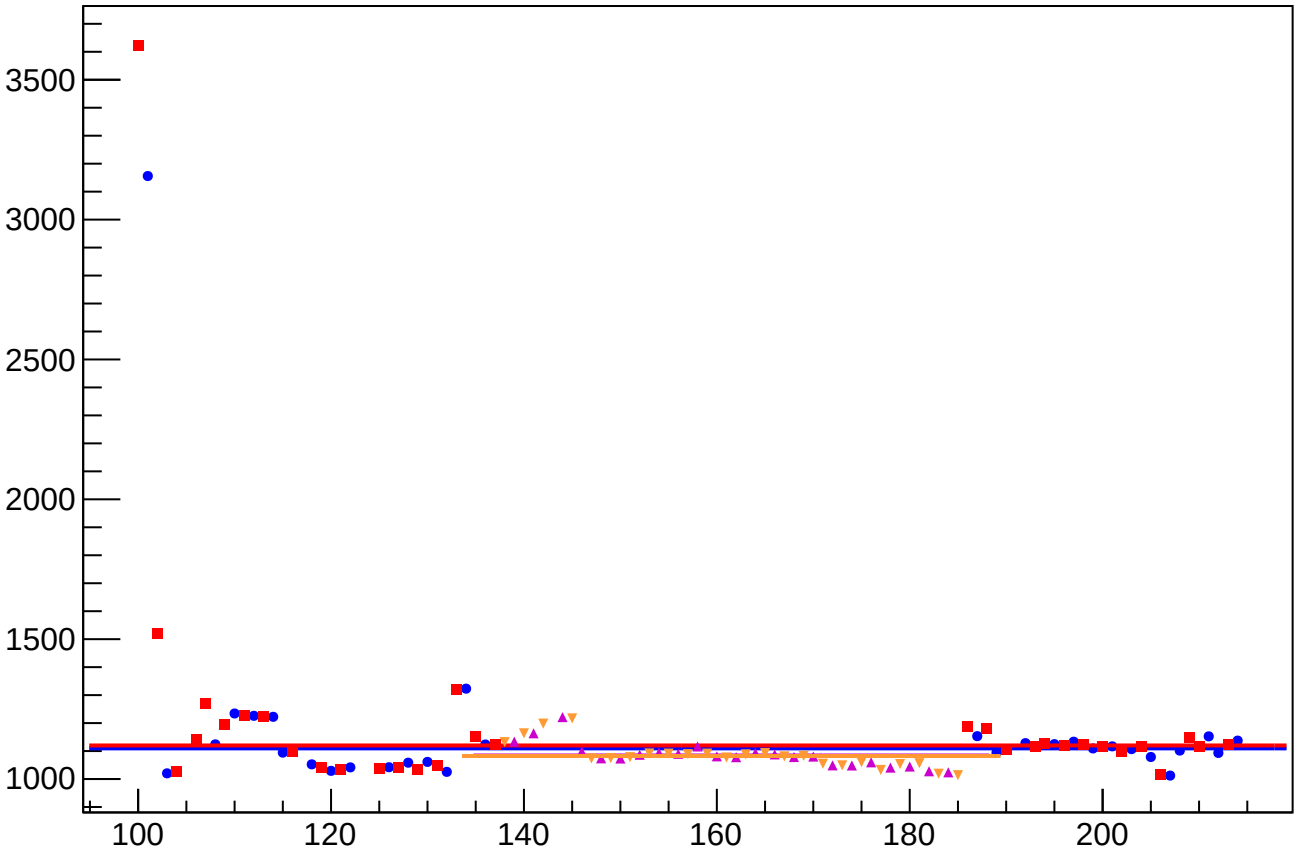
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 116.895+/-185.135 χ^2/NDF: 48.3/61

In: 104.402+/-181.991 χ^2/NDF:57.6/52

Out: 155.688+/-181.406 χ^2/NDF:55.2/55

All: 130.127+/-128.480 χ^2/NDF: 112.8/108



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

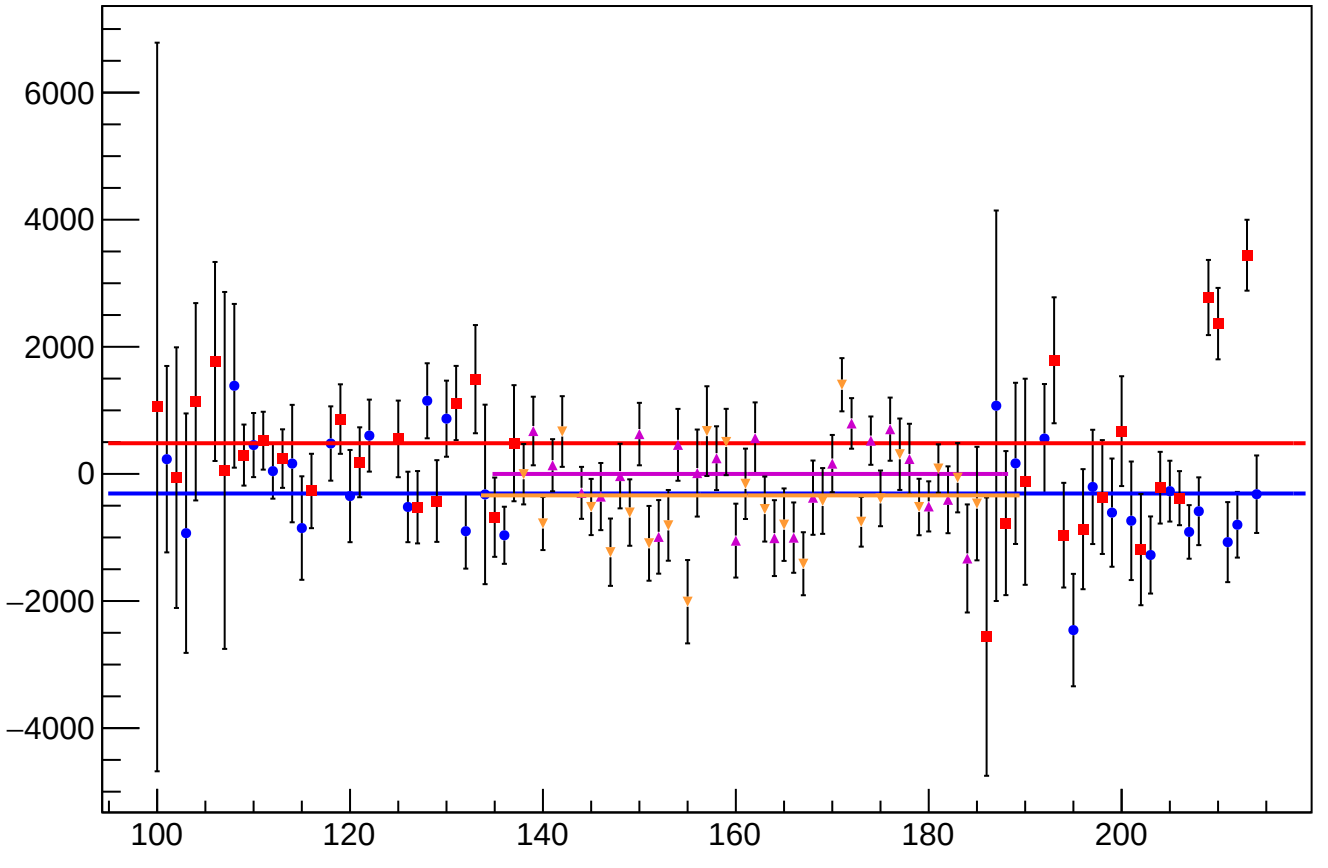
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

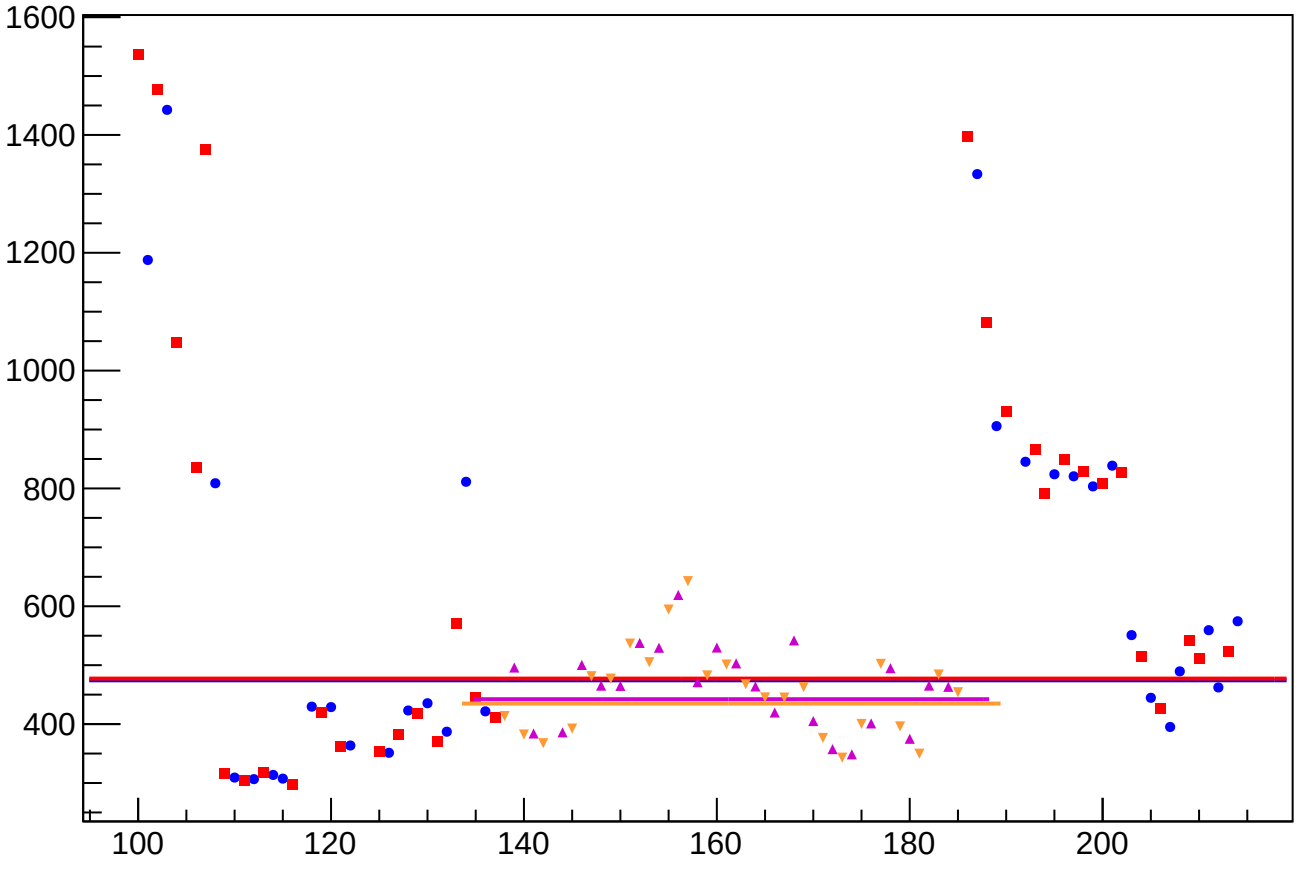
Right: 1114.791+/-0.131 χ^2/NDF: 901799.9/61

In: 1096.475+/-0.129 χ^2/NDF:710834.5/52

Out: 1100.373+/-0.128 χ^2/NDF:332003.5/55

All: 1098.430+/-0.091 χ^2/NDF: 1043298.1/10


asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -308.196+/-118.866 χ²/NDF: 38.2/29
Left Out: -337.727+/-102.601 χ²/NDF:48.8/23
Right Out: 482.742+/-121.472 χ²/NDF: 89.8/31
Left In: -0.547+/-104.733 χ²/NDF:31.9/22
Left: -172.603+/-73.292 χ²/NDF: 85.9/46
Right: 78.698+/-84.957 χ²/NDF: 149.7/61
In: -135.003+/-78.581 χ²/NDF:73.8/52
Out: 3.897+/-78.382 χ²/NDF:165.3/55
All: -65.377+/-55.495 χ²/NDF: 240.6/108



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

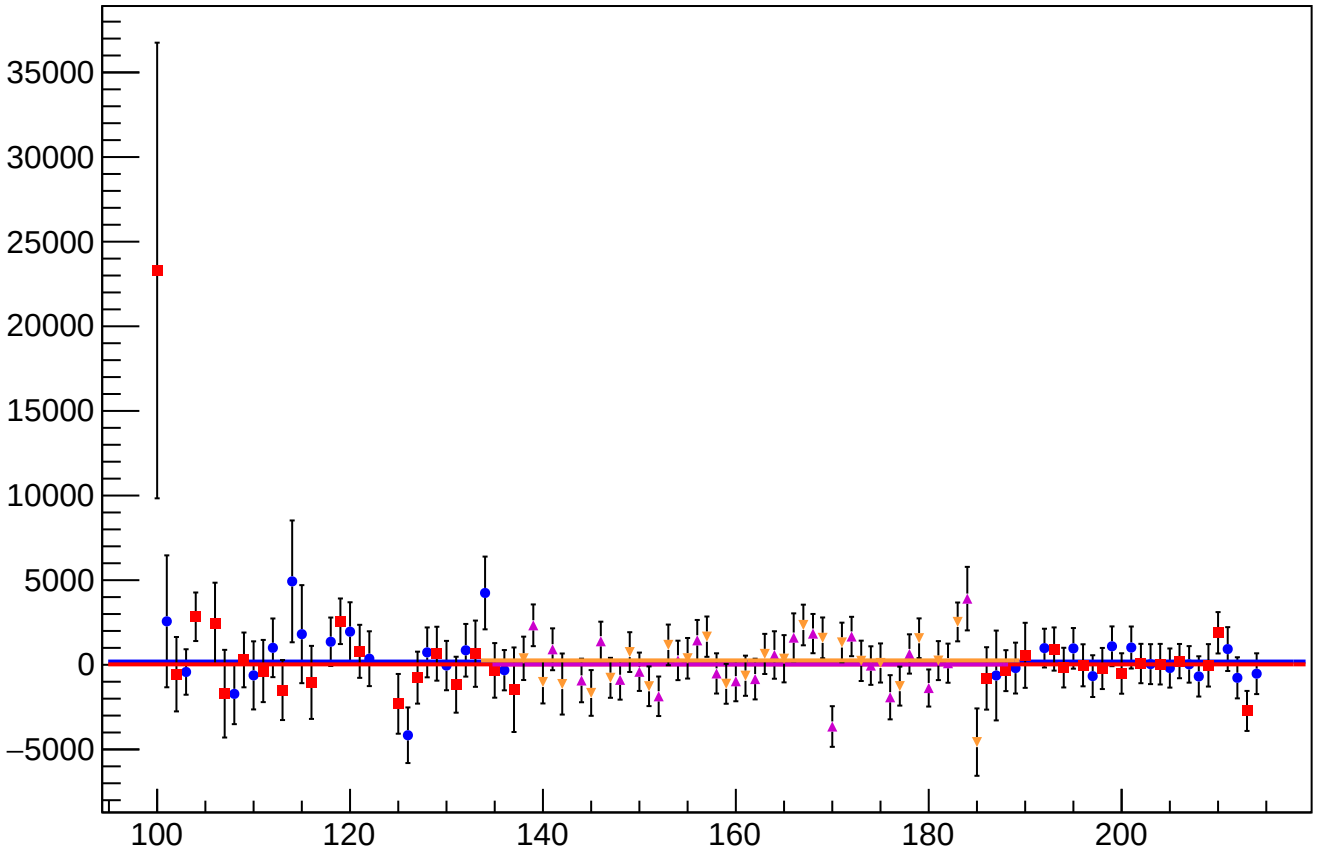
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 475.738+/-0.060 χ^2/NDF: 9804876.8/61

In: 456.251+/-0.056 χ^2/NDF:5284571.8/52

Out: 452.488+/-0.055 χ^2/NDF:6448212.0/55

All: 454.365+/-0.039 χ^2/NDF: 11735083.1/10



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

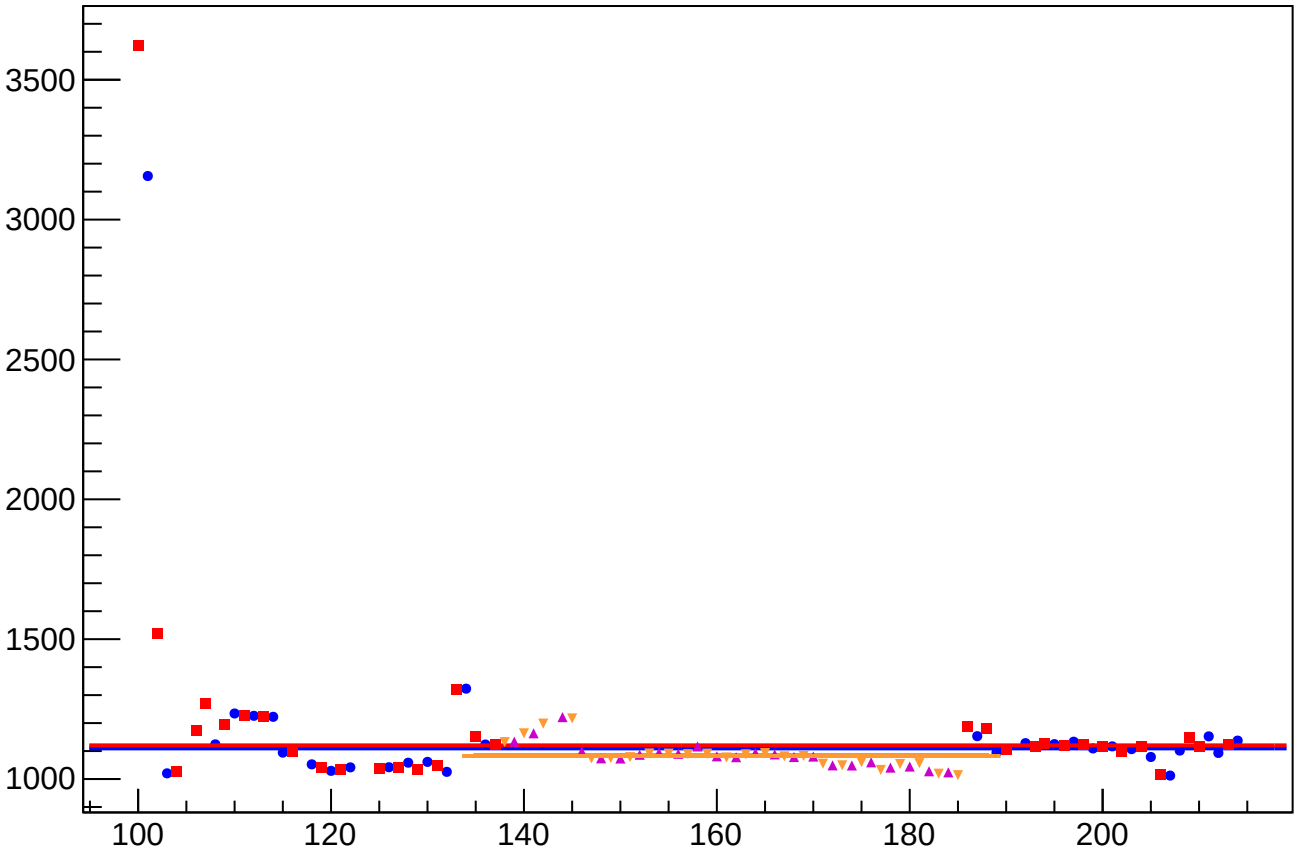
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 108.935+/-185.180 χ^2/NDF: 47.1/61

In: 104.336+/-181.991 χ^2/NDF:57.6/52

Out: 148.120+/-181.449 χ^2/NDF:54.0/55

All: 126.293+/-128.495 χ^2/NDF: 111.6/108



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

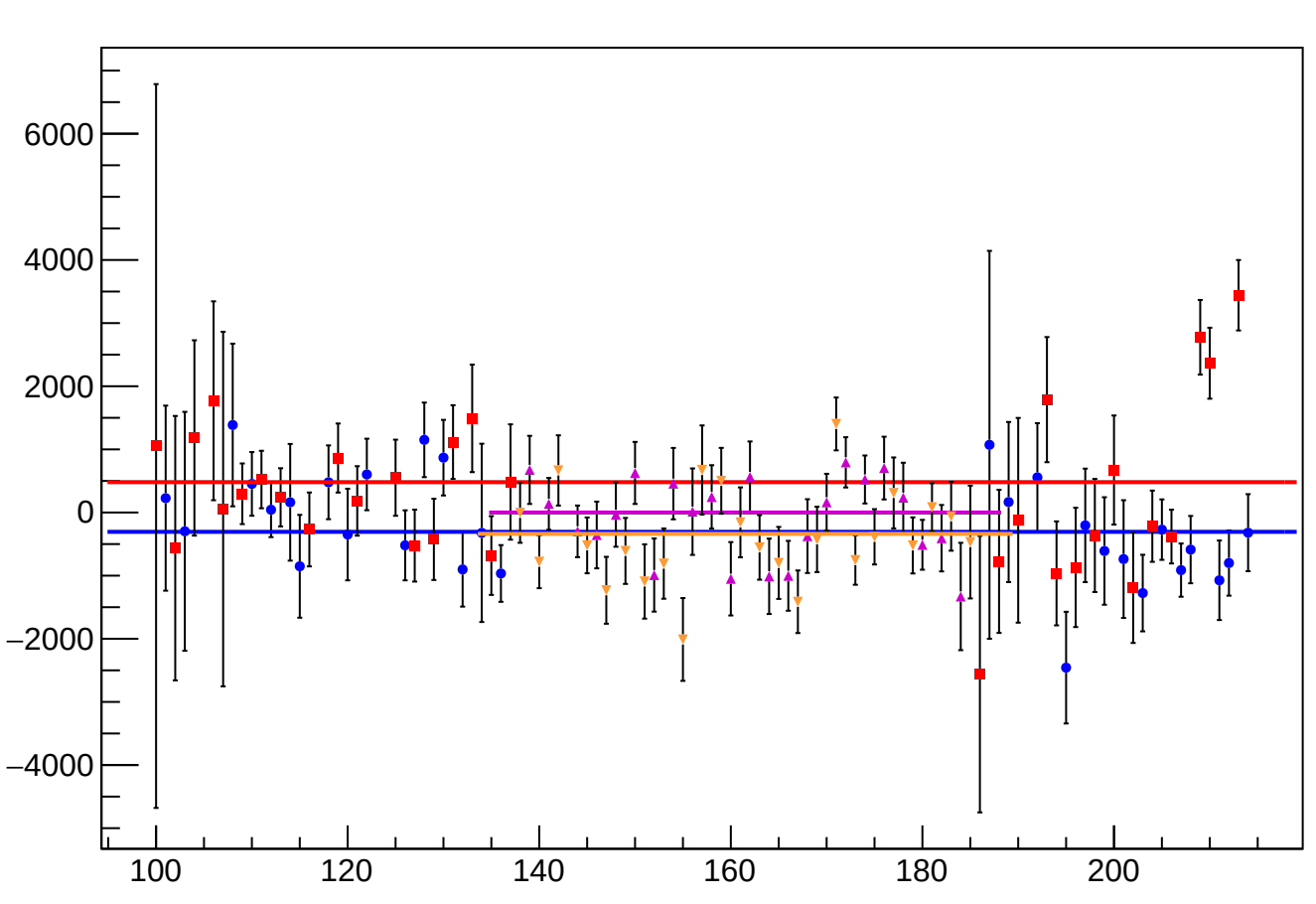
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1114.964+/-0.131 χ^2/NDF: 902672.9/61

In: 1096.475+/-0.129 χ^2/NDF:710835.4/52

Out: 1100.532+/-0.128 χ^2/NDF:333160.1/55

All: 1098.509+/-0.091 χ^2/NDF: 1044493.9/10



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

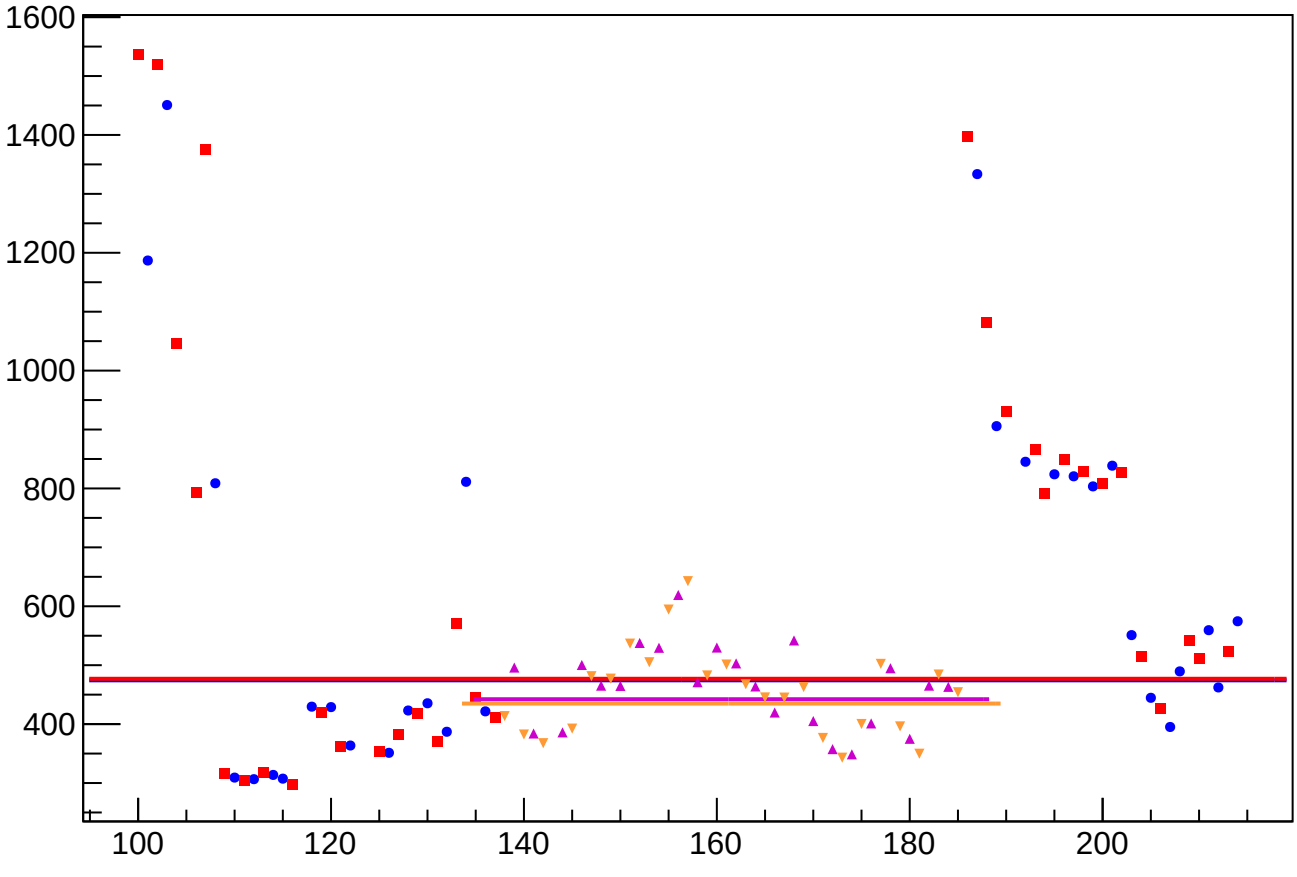
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 79.238+/-84.961 χ^2/NDF: 149.5/61

In: -133.952+/-78.582 χ^2/NDF:73.6/52

Out: 3.240+/-78.385 χ^2/NDF:165.4/55

All: -65.184+/-55.496 χ^2/NDF: 240.5/108



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

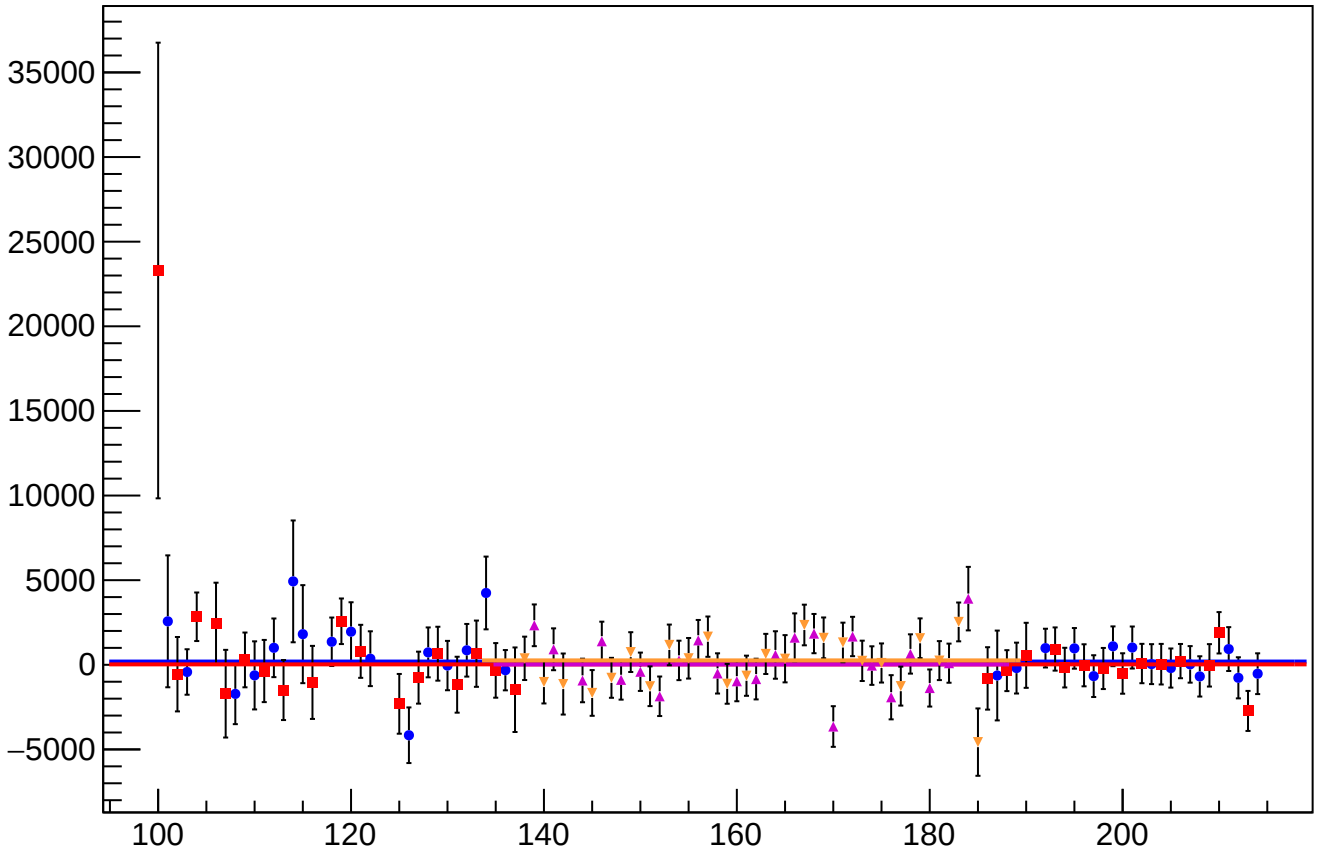
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 475.607+/-0.060 χ^2/NDF: 9803390.9/61

In: 456.250+/-0.056 χ^2/NDF:5288213.1/52

Out: 452.375+/-0.055 χ^2/NDF:6441355.2/55

All: 454.307+/-0.039 χ^2/NDF: 11732006.1/10



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

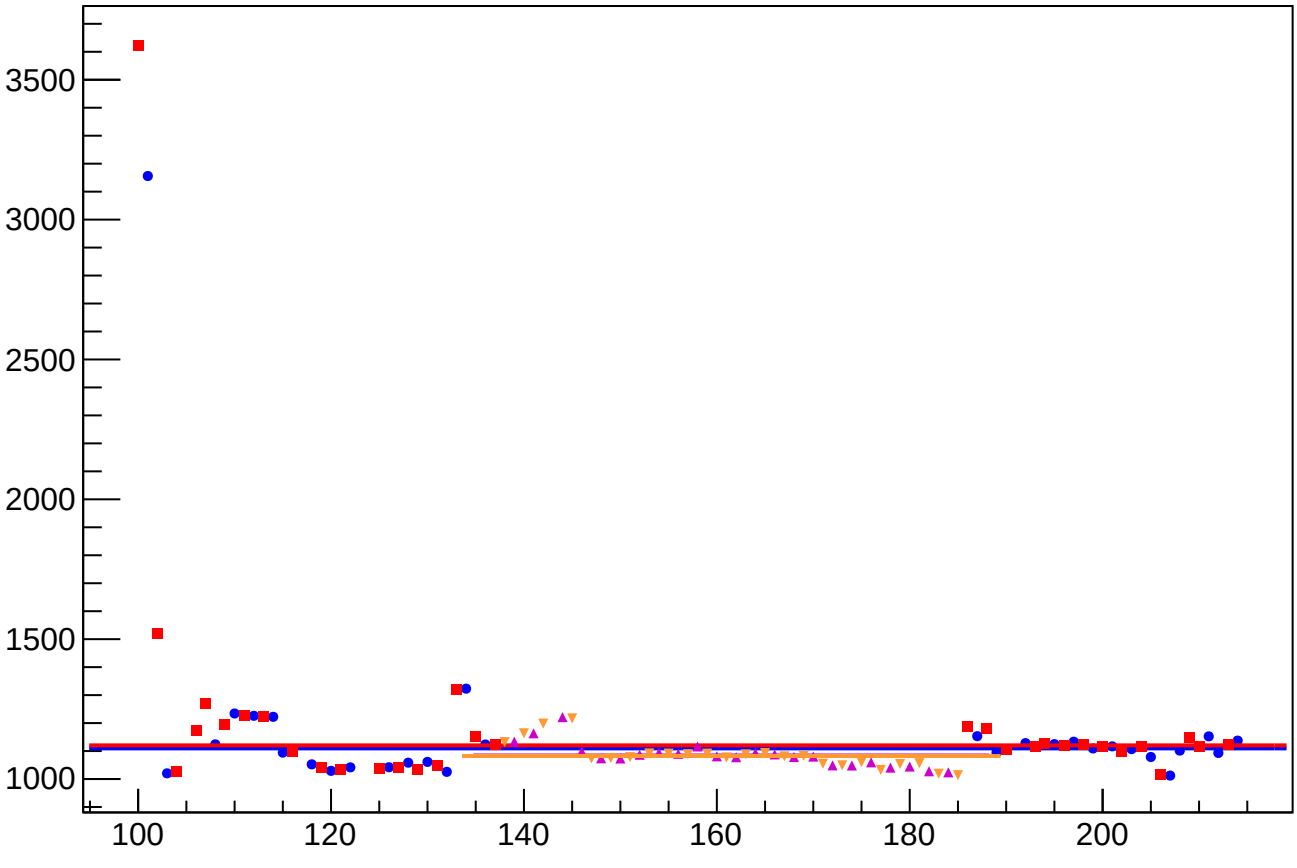
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 108.935+/-185.180 χ^2/NDF: 47.1/61

In: 104.336+/-181.991 χ^2/NDF:57.6/52

Out: 148.120+/-181.449 χ^2/NDF:54.0/55

All: 126.293+/-128.495 χ^2/NDF: 111.6/108



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

Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

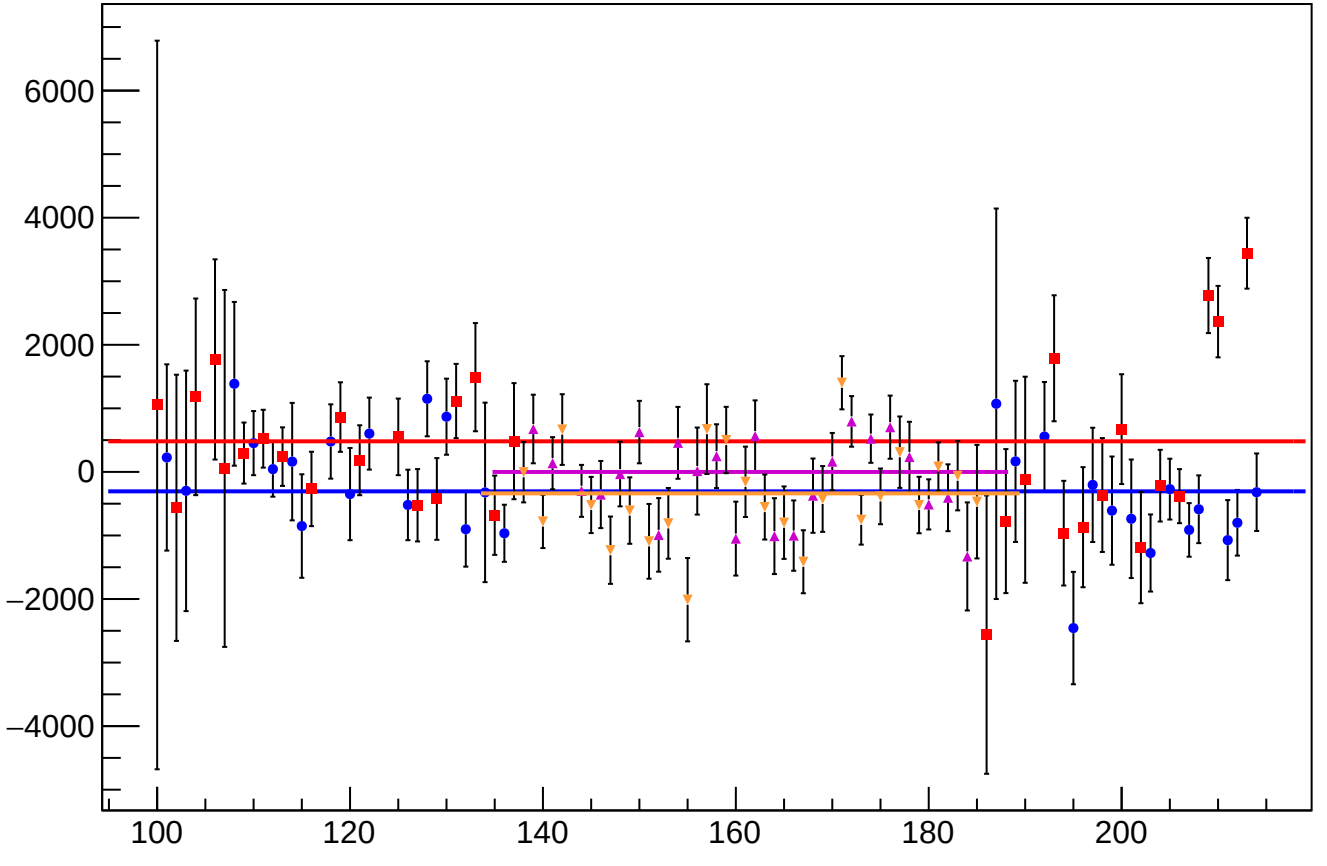
Right: 1114.964+/-0.131 χ^2/NDF: 902672.9/61

In: 1096.475+/-0.129 χ^2/NDF:710835.4/52

Out: 1100.532+/-0.128 χ^2/NDF:333160.1/55

All: 1098.509+/-0.091 χ^2/NDF: 1044493.9/10

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

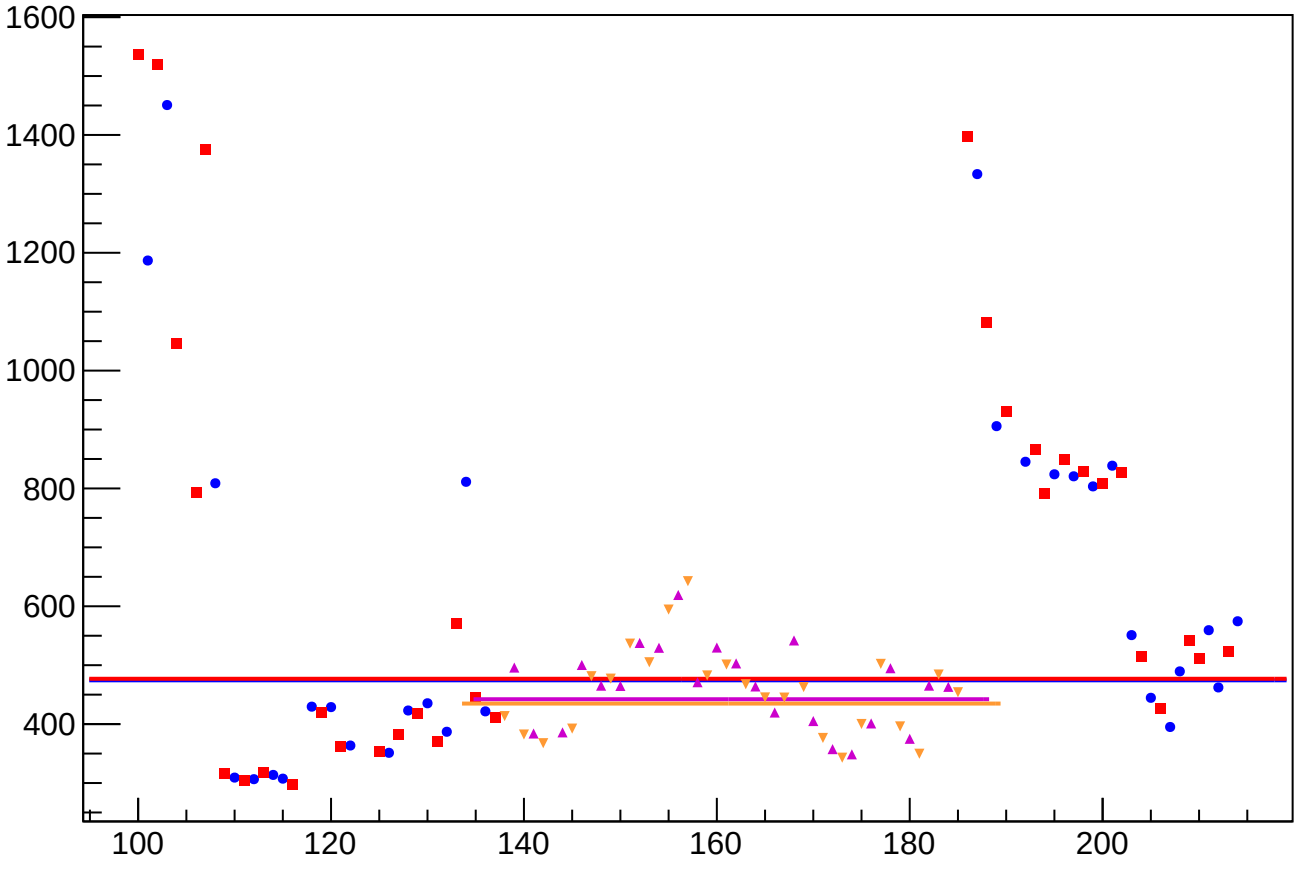
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 79.238+/-84.961 χ^2/NDF: 149.5/61

In: -133.952+/-78.582 χ^2/NDF:73.6/52

Out: 3.240+/-78.385 χ^2/NDF:165.4/55

All: -65.184+/-55.496 χ^2/NDF: 240.5/108



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

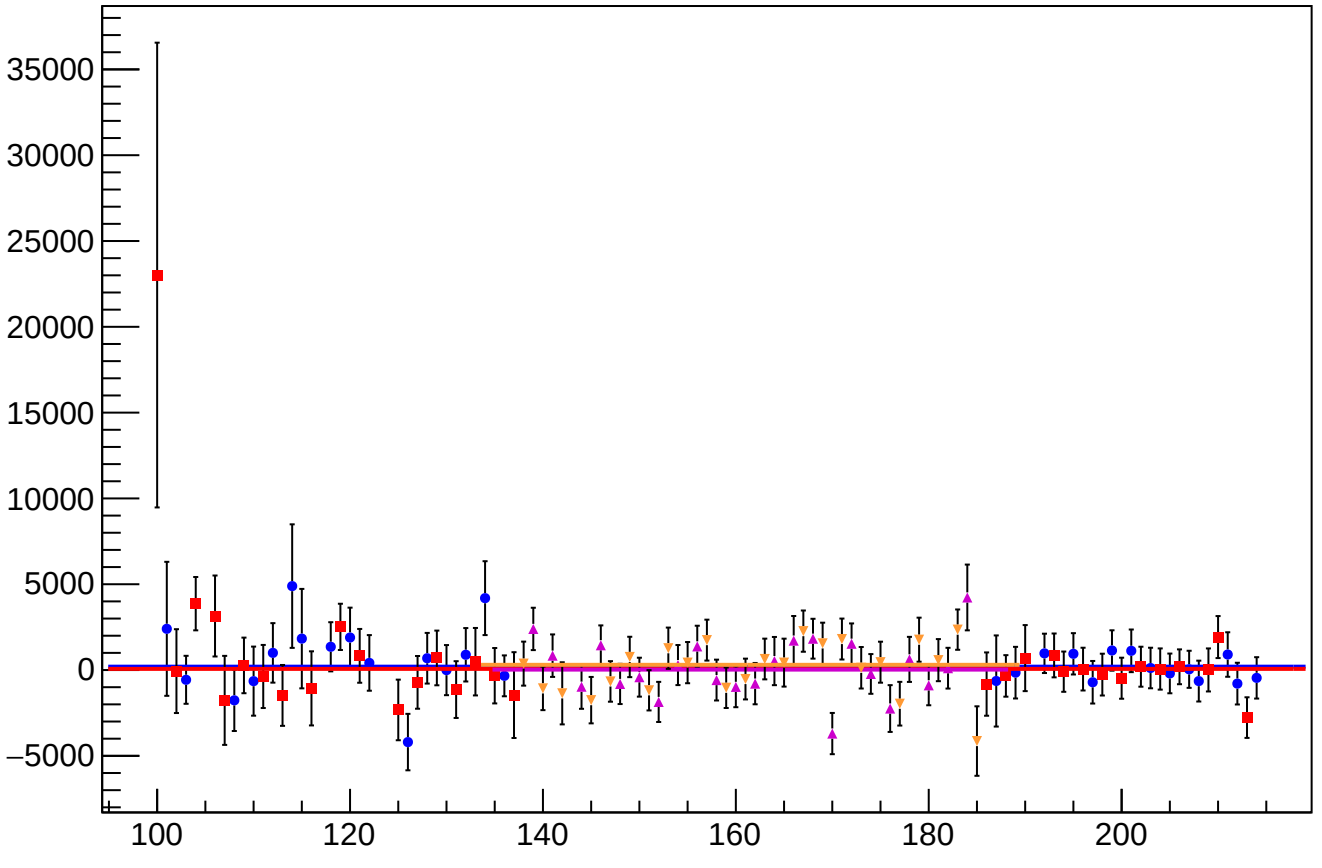
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 475.607+/-0.060 χ^2/NDF: 9803390.9/61

In: 456.250+/-0.056 χ^2/NDF:5288213.1/52

Out: 452.375+/-0.055 χ^2/NDF:6441355.2/55

All: 454.307+/-0.039 χ^2/NDF: 11732006.1/10



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

Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 132.143+/-185.859 χ^2/NDF: 49.9/61

In: 108.968+/-183.519 χ^2/NDF:57.7/52

Out: 189.043+/-183.416 χ^2/NDF:57.1/55

All: 149.028+/-129.731 χ^2/NDF: 114.8/108

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

Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

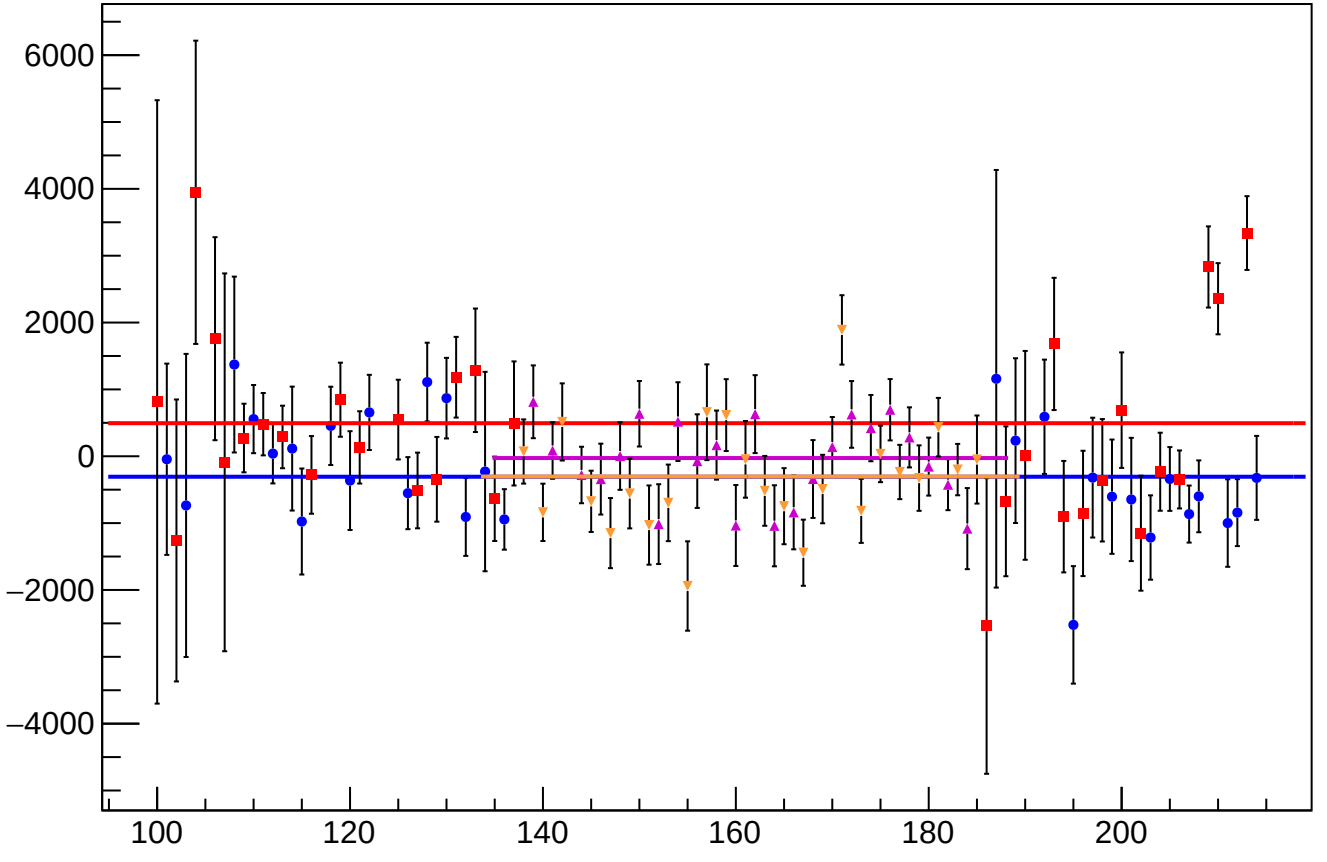
Right: 1118.089+/-0.131 χ^2/NDF: 903404.9/61

In: 1105.773+/-0.130 χ^2/NDF:689819.6/52

Out: 1111.647+/-0.130 χ^2/NDF:316060.7/55

All: 1108.712+/-0.092 χ^2/NDF: 1006905.5/10

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



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

Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

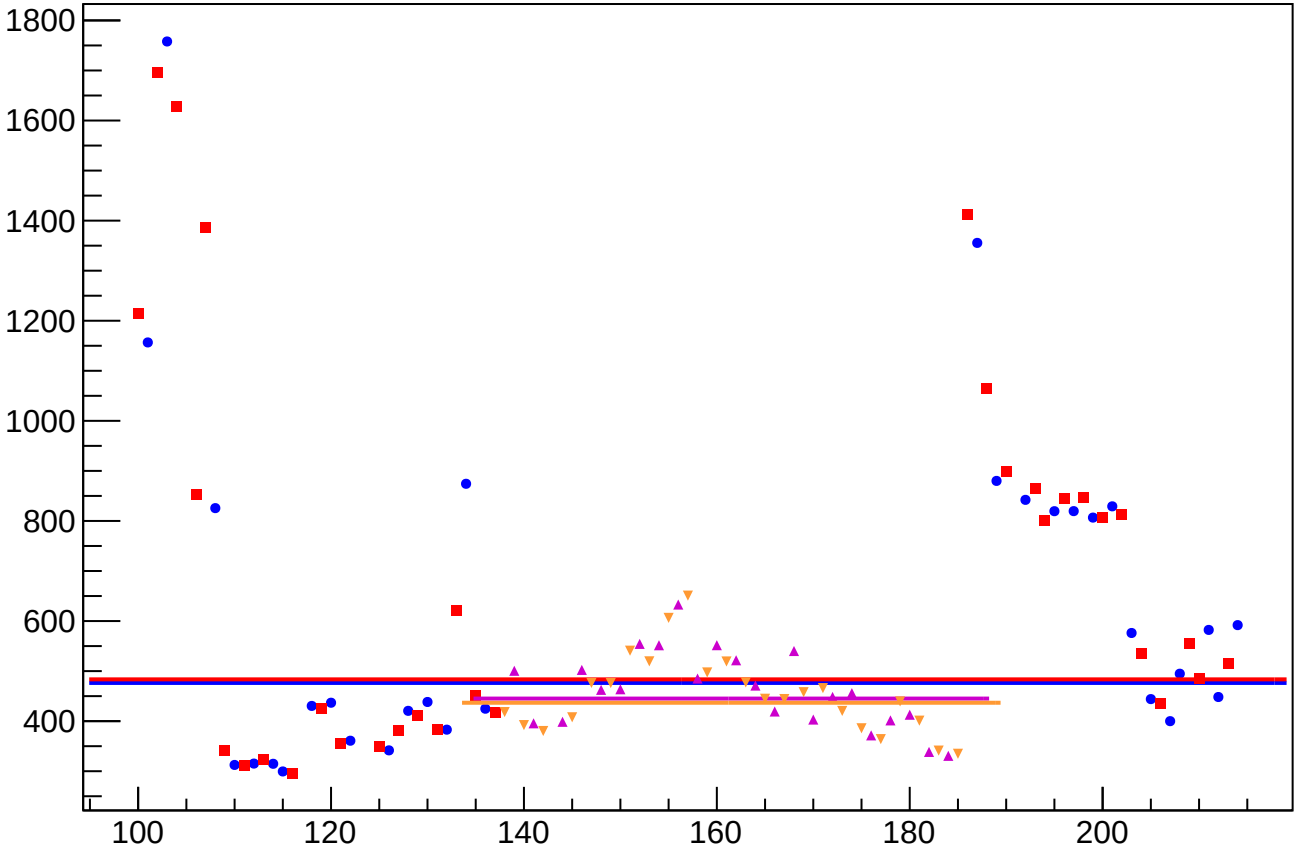
Right: 83.081+/-85.616 χ^2/NDF: 149.8/61

In: -149.170+/-79.035 χ^2/NDF:69.0/52

Out: 26.252+/-78.906 χ^2/NDF:164.2/55

All: -61.316+/-55.840 χ^2/NDF: 235.6/108

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



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

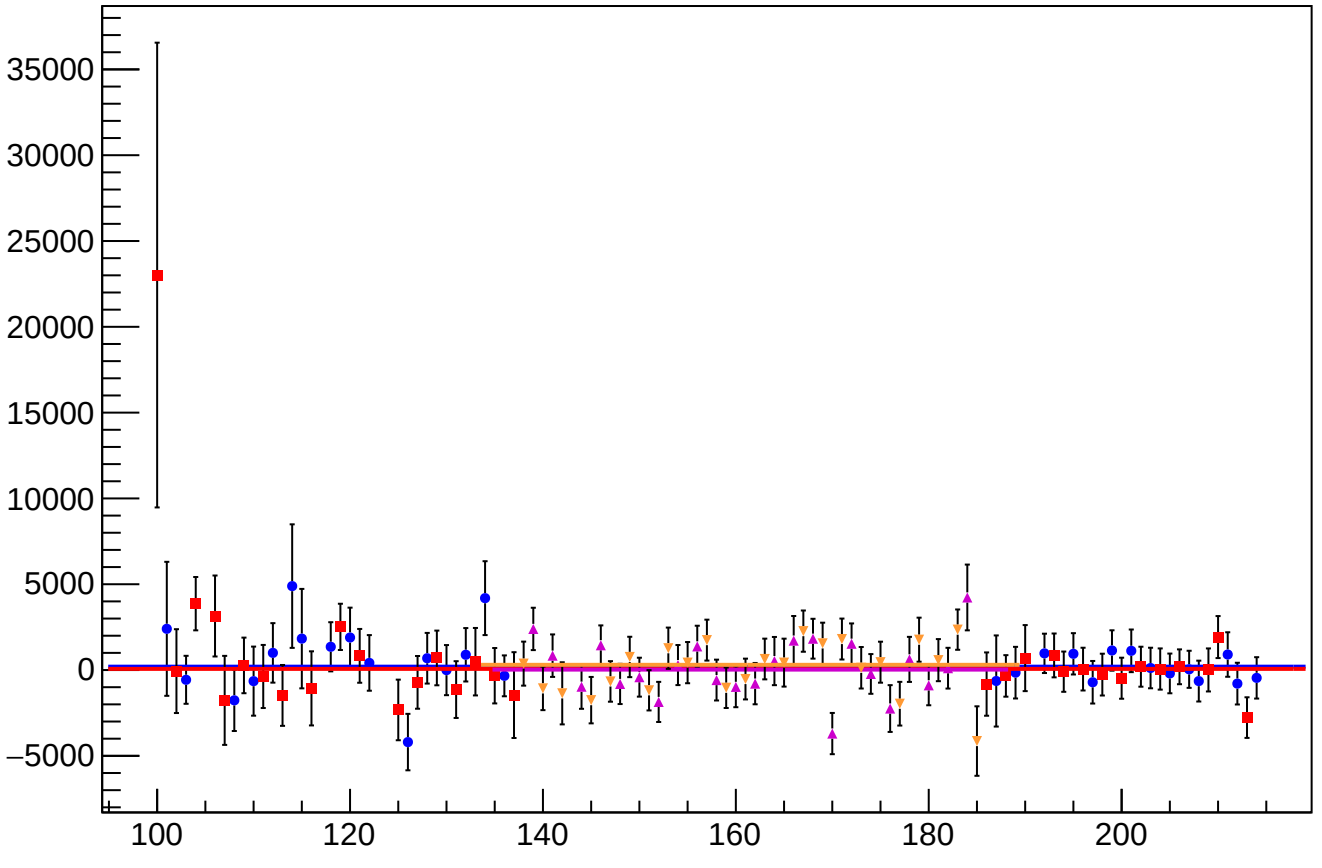
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 479.844+/-0.061 χ^2/NDF: 10252366.2/61

In: 458.801+/-0.056 χ^2/NDF:5465862.4/52

Out: 456.079+/-0.056 χ^2/NDF:6759816.6/55

All: 457.438+/-0.039 χ^2/NDF: 12226866.6/10



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

Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 132.142+/-185.859 χ^2/NDF: 49.9/61

In: 108.968+/-183.519 χ^2/NDF:57.7/52

Out: 189.042+/-183.416 χ^2/NDF:57.1/55

All: 149.028+/-129.731 χ^2/NDF: 114.8/108

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

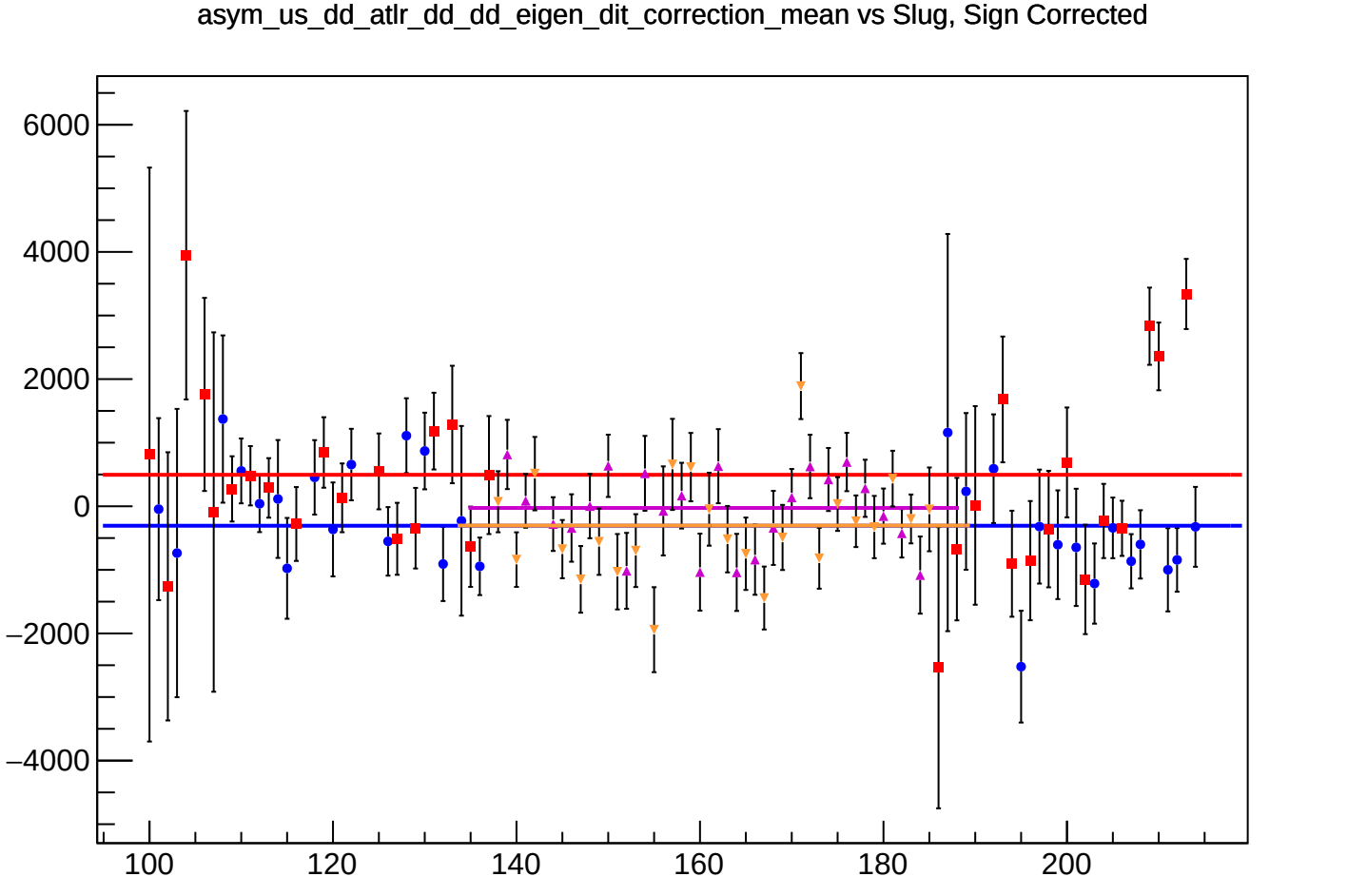
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1118.089+/-0.131 χ^2/NDF: 903405.0/61

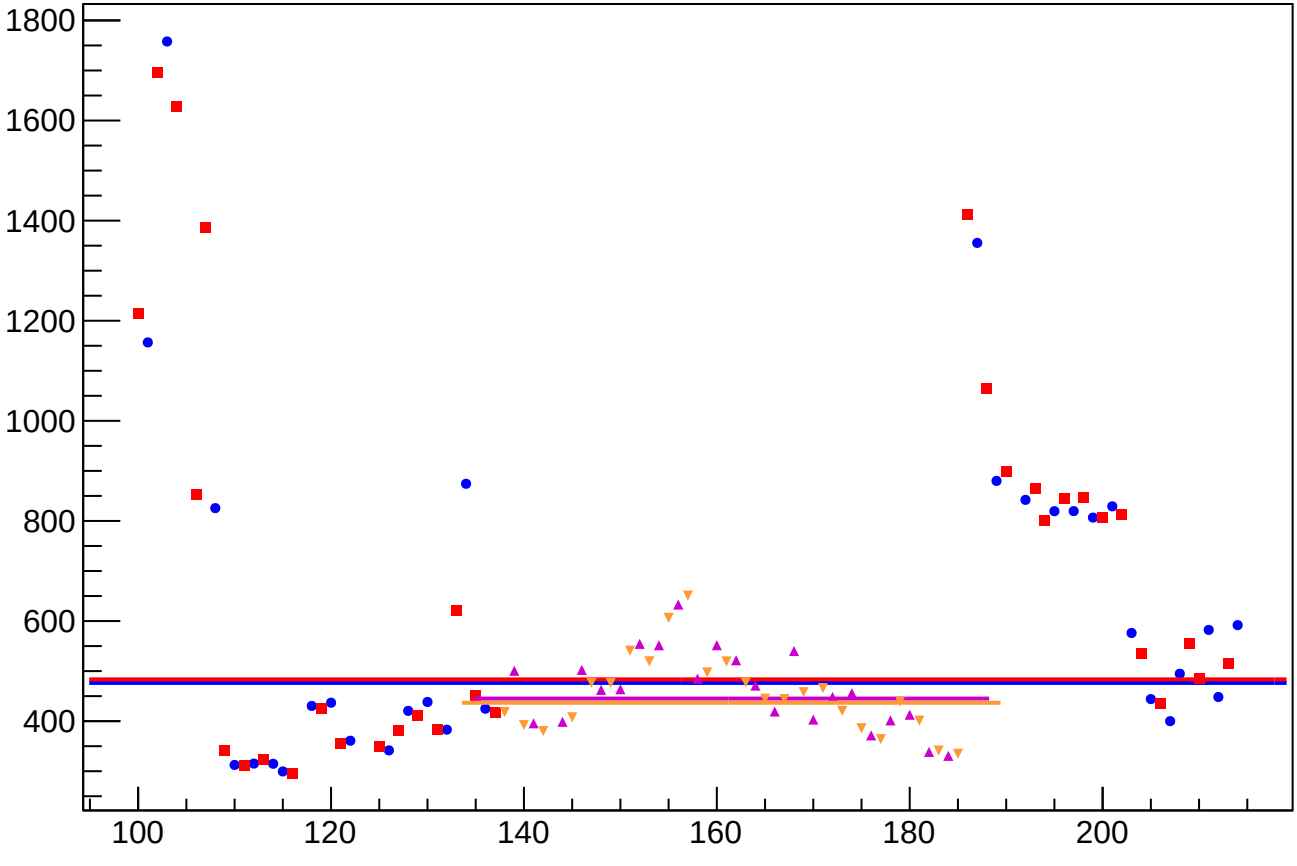
In: 1105.773+/-0.130 χ^2/NDF:689819.8/52

Out: 1111.647+/-0.130 χ^2/NDF:316061.0/55

All: 1108.712+/-0.092 χ^2/NDF: 1006906.0/10


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -306.303+/-119.429 χ²/NDF: 38.1/29
Left Out: -303.218+/-102.979 χ²/NDF:49.5/23
Right Out: 494.737+/-122.798 χ²/NDF: 89.8/31
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: 83.077+/-85.615 χ²/NDF: 149.8/61
In: -149.172+/-79.034 χ²/NDF:69.0/52
Out: 26.251+/-78.906 χ²/NDF:164.2/55
All: -61.318+/-55.840 χ²/NDF: 235.6/108

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

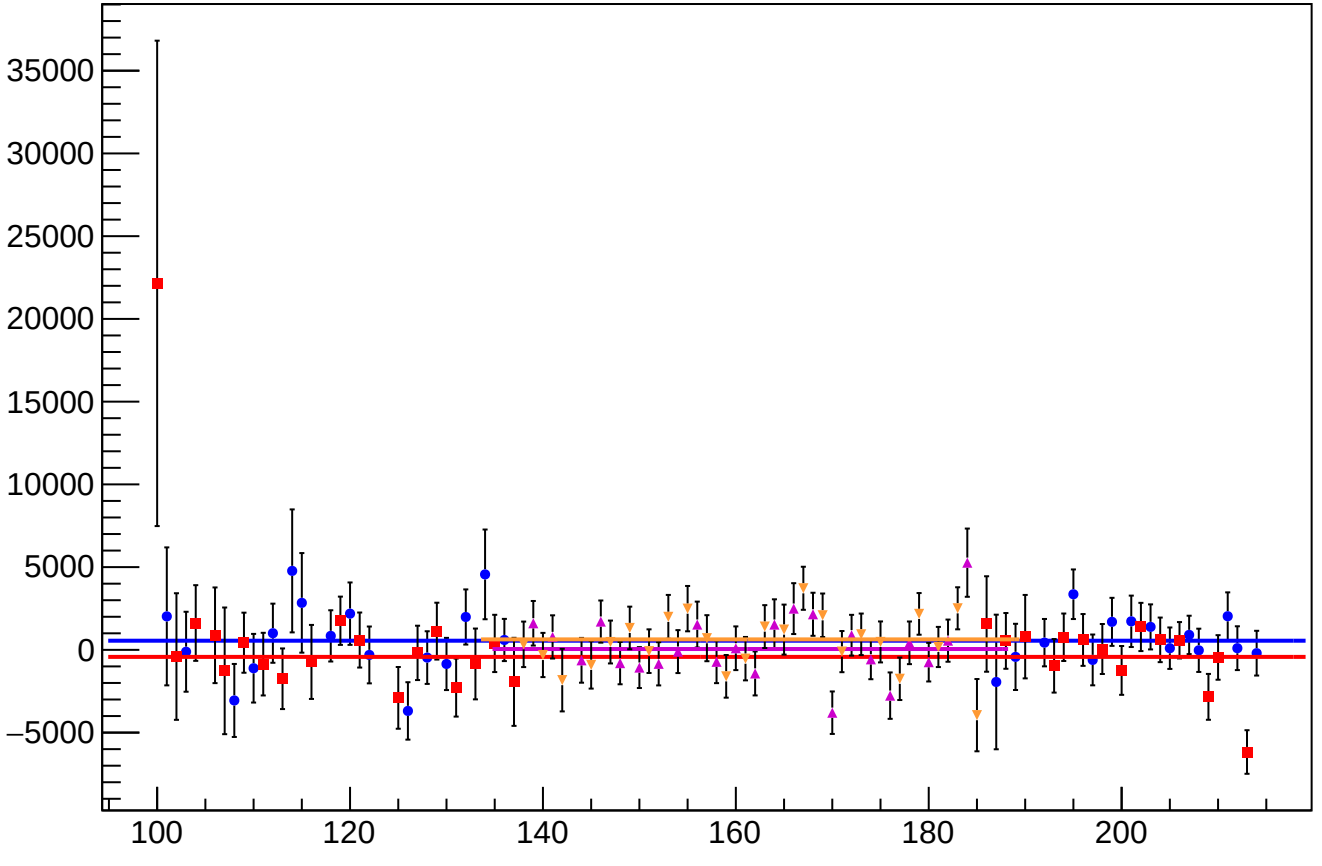
Right: 479.841+/-0.061 χ^2/NDF: 10252467.0/61

In: 458.800+/-0.056 χ^2/NDF:5465920.5/52

Out: 456.078+/-0.056 χ^2/NDF:6759898.0/55

All: 457.437+/-0.039 χ^2/NDF: 12227006.0/10

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



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

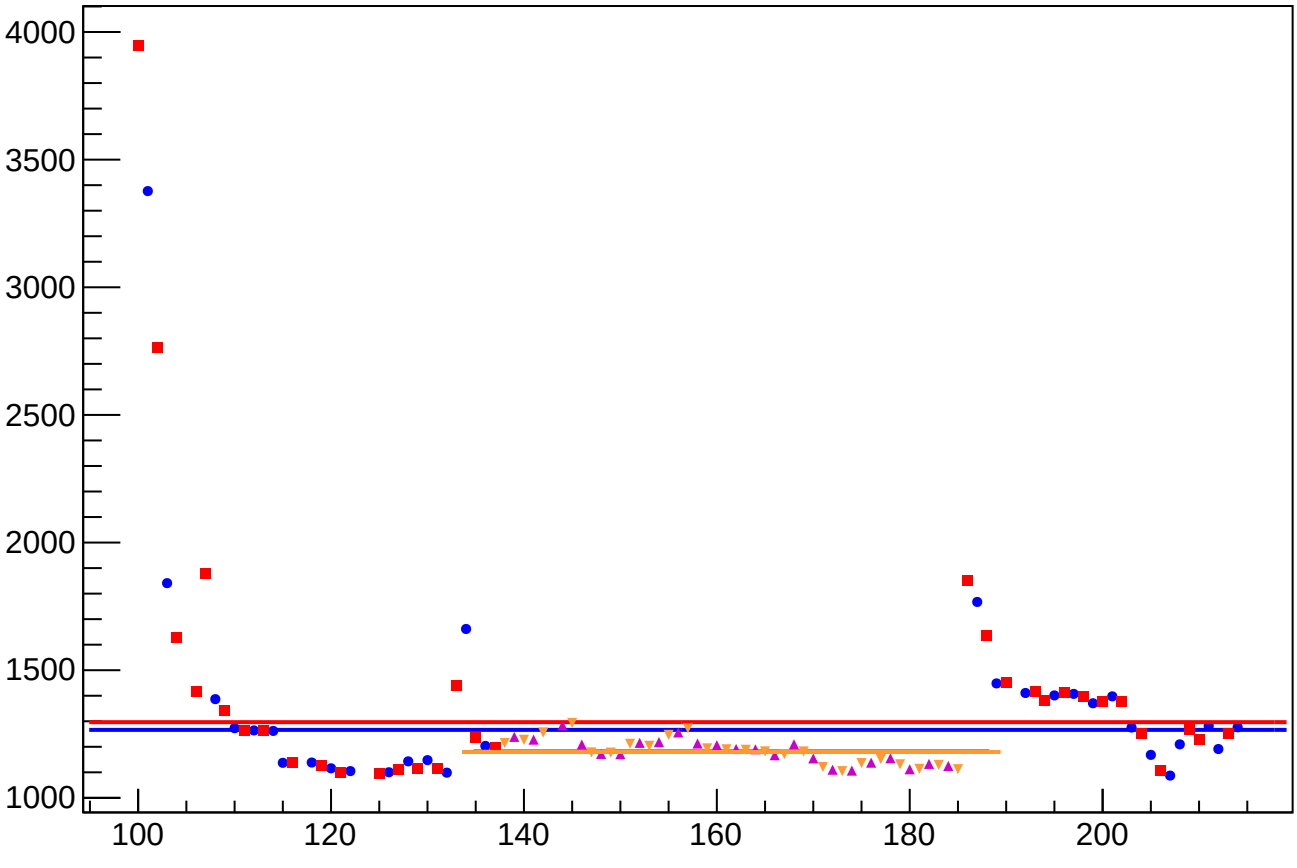
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 73.352+/-214.253 χ^2/NDF: 68.8/61

In: 281.093+/-203.237 χ^2/NDF:61.3/52

Out: 161.906+/-204.142 χ^2/NDF:75.6/55

All: 221.764+/-144.029 χ^2/NDF: 137.1/108



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

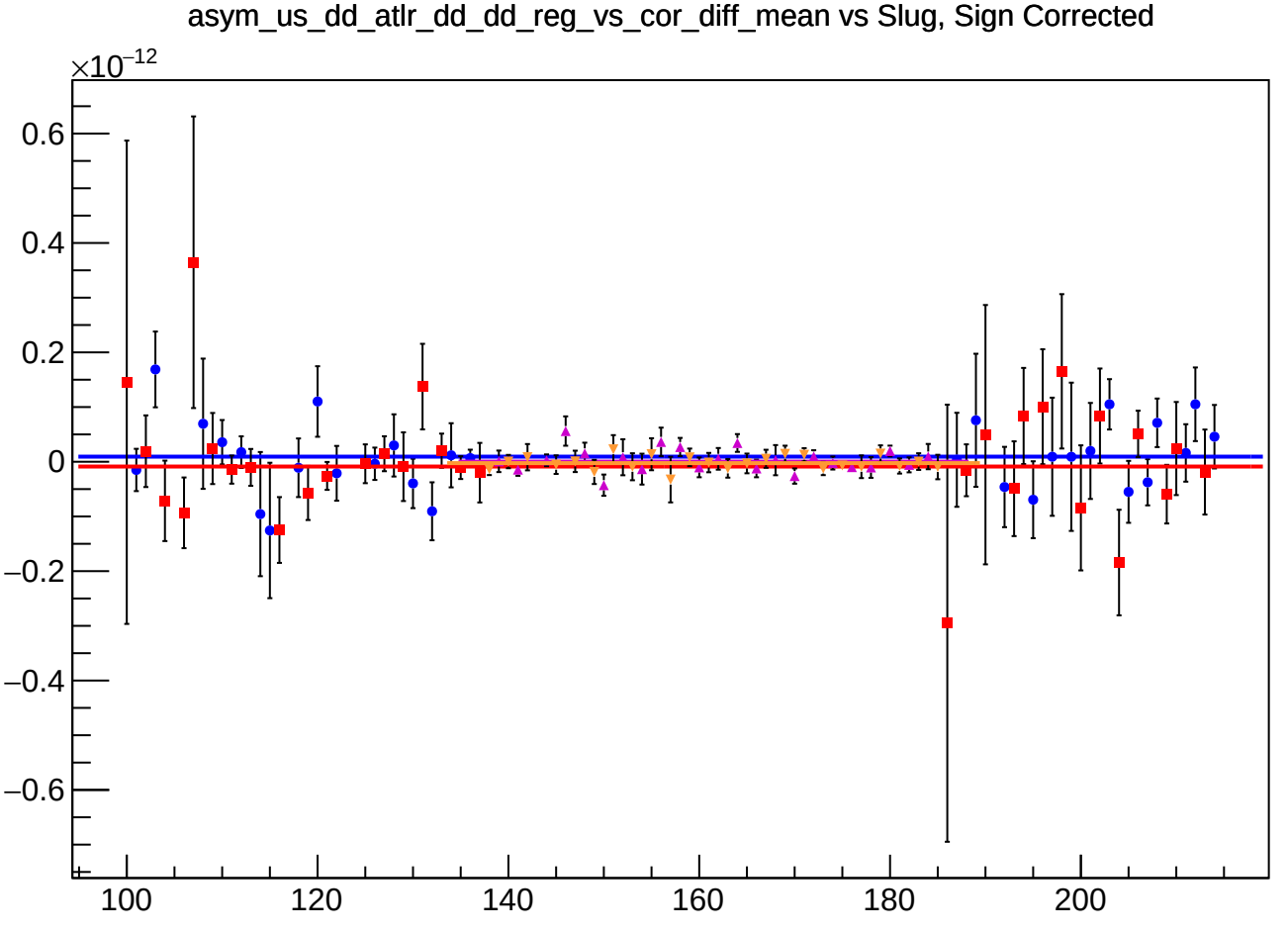
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1281.112+/-0.151 χ^2/NDF: 1903223.0/61

In: 1220.629+/-0.144 χ^2/NDF:1130233.6/52

Out: 1231.697+/-0.144 χ^2/NDF:1135355.5/55

All: 1226.138+/-0.102 χ^2/NDF: 2268542.0/10



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

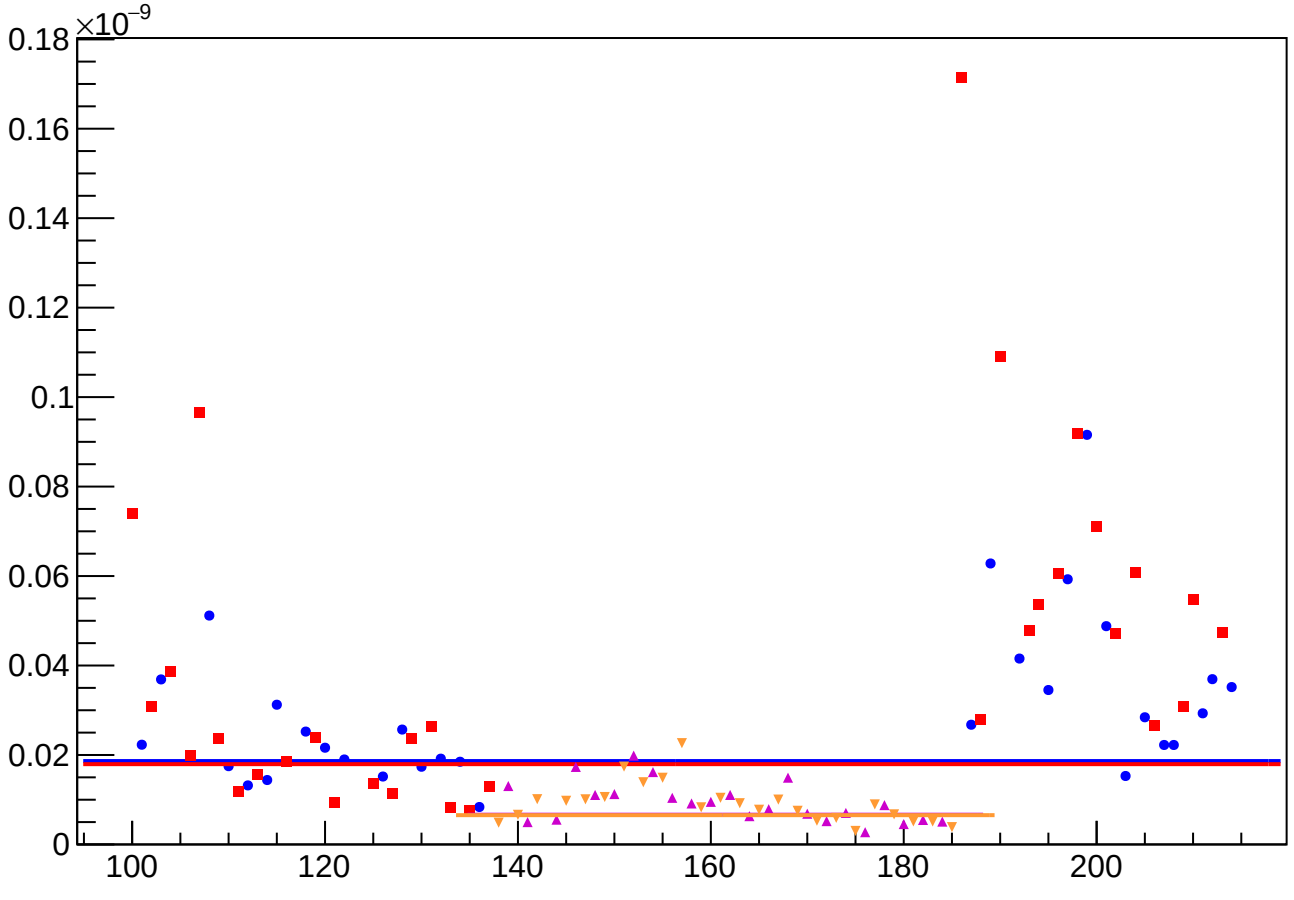
Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

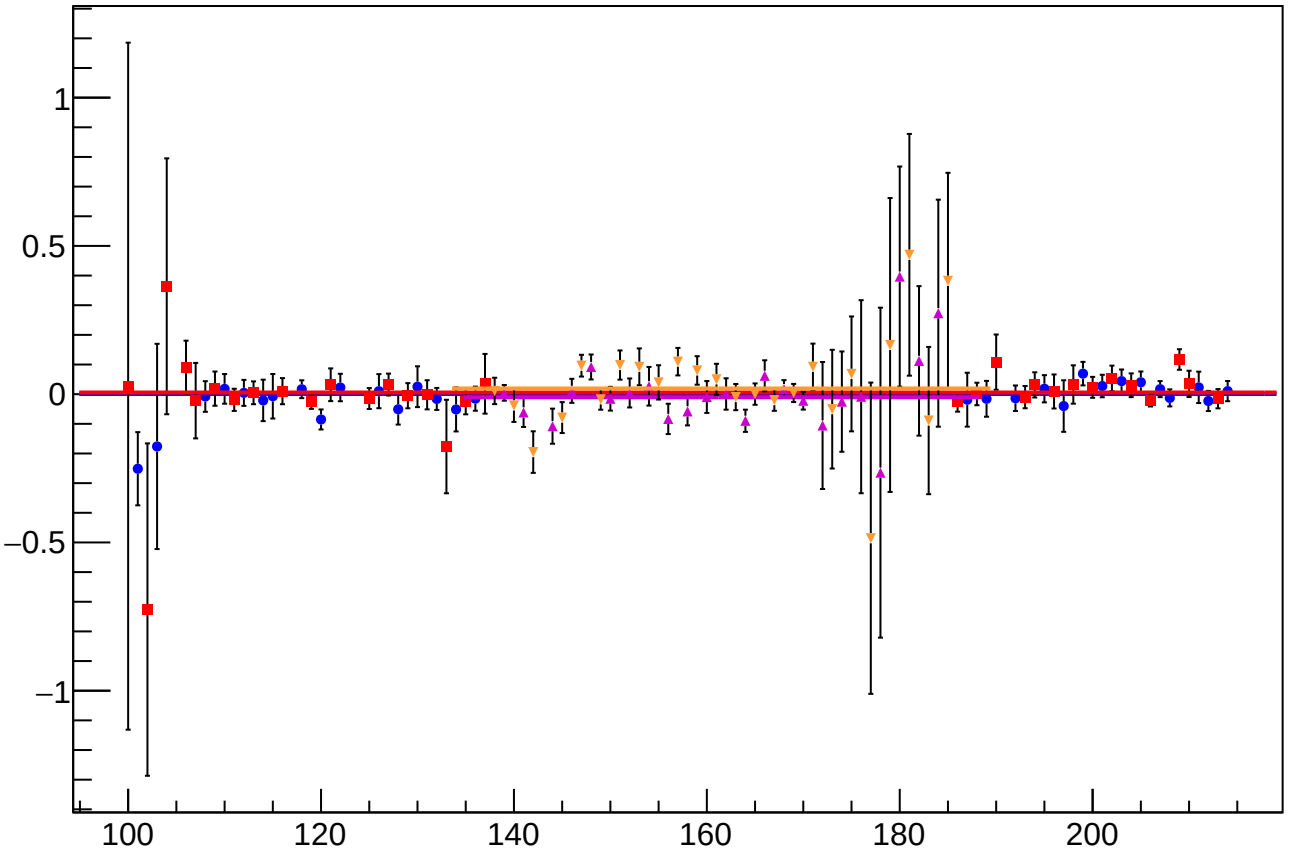
Right: 0.000+/-0.000 χ^2/NDF: 59.7/61

In: 0.000+/-0.000 χ^2/NDF:63.5/52

Out: -0.000+/-0.000 χ^2/NDF:38.5/55

All: -0.000+/-0.000 χ^2/NDF: 103.2/108


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3562874.3/29
Left Out: 0.000+/-0.000 χ²/NDF:2332749.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 5750725.7/31
Left In: 0.000+/-0.000 χ²/NDF:2542530.1/22
Left: 0.000+/-0.000 χ²/NDF: 4876422.9/46
Right: 0.000+/-0.000 χ²/NDF: 9320344.4/61
In: 0.000+/-0.000 χ²/NDF:9737881.8/52
Out: 0.000+/-0.000 χ²/NDF:11267317.5/55
All: 0.000+/-0.000 χ²/NDF: 21013145.3/108



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

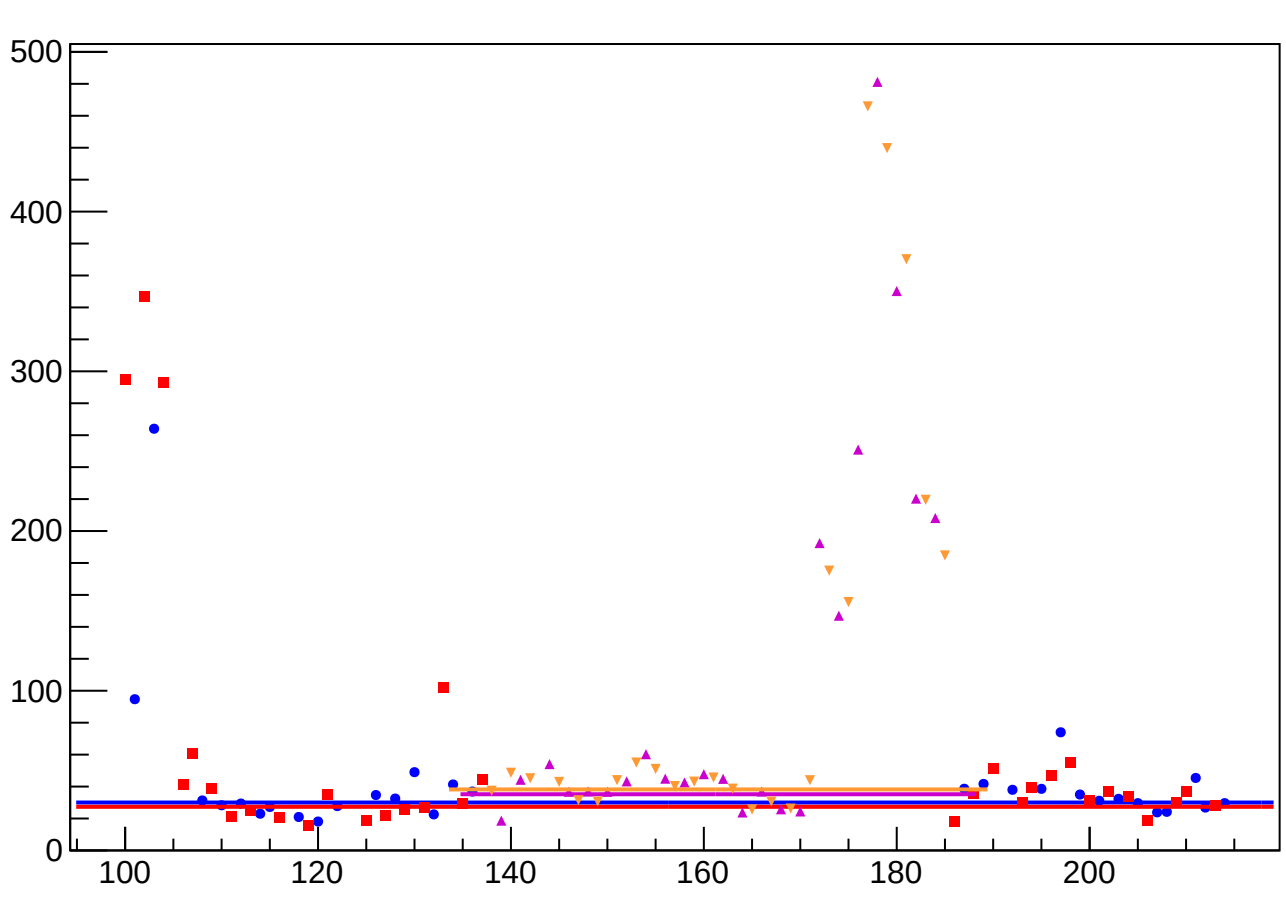
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.003+/-0.005 χ^2/NDF: 47.6/61

In: -0.003+/-0.006 χ^2/NDF:45.8/52

Out: 0.010+/-0.006 χ^2/NDF:62.9/55

All: 0.004+/-0.004 χ^2/NDF: 111.0/108



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

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

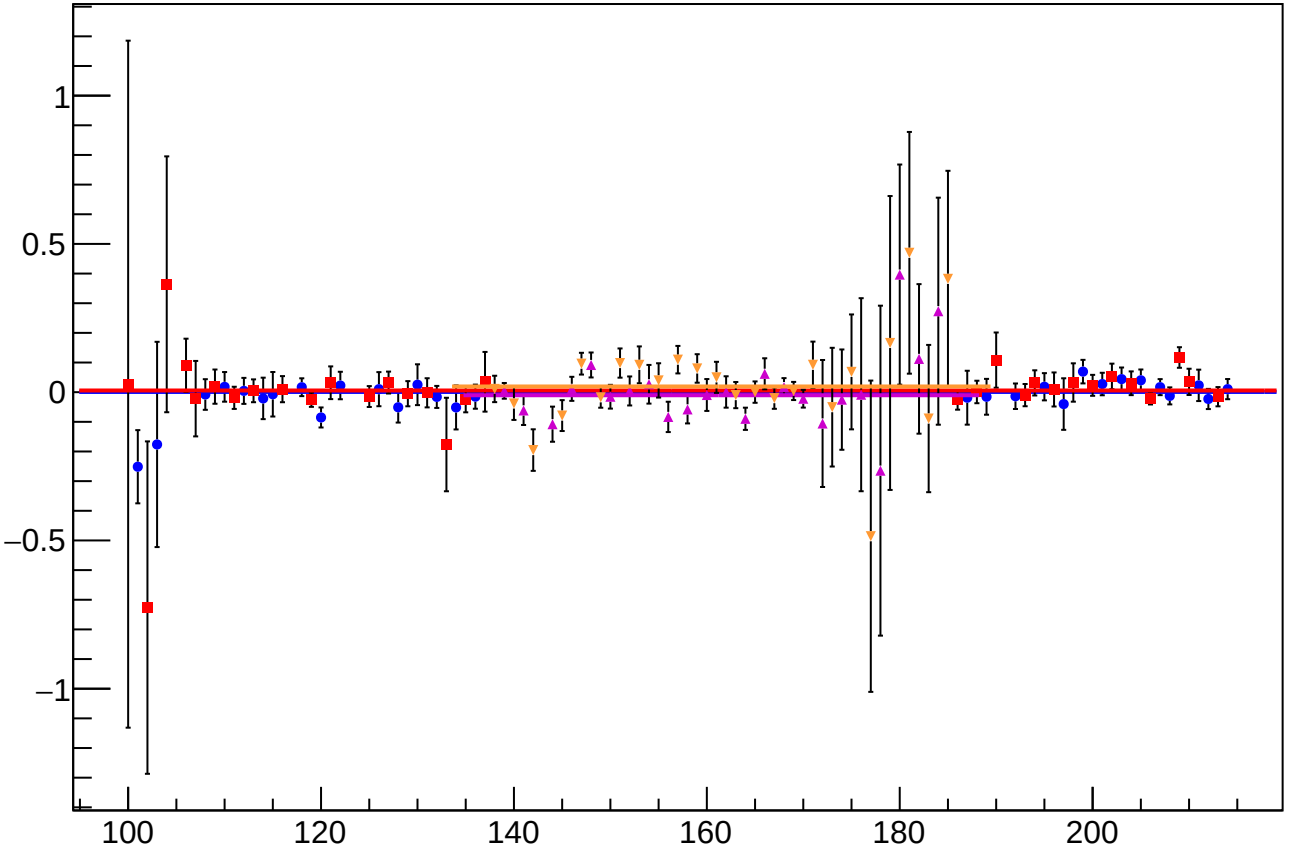
Right: 28.588+/-0.004 χ^2/NDF: 8373975.5/61

In: 31.976+/-0.004 χ^2/NDF:13142493.7/52

Out: 30.890+/-0.004 χ^2/NDF:14469612.5/55

All: 31.421+/-0.003 χ^2/NDF: 27642337.9/108

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

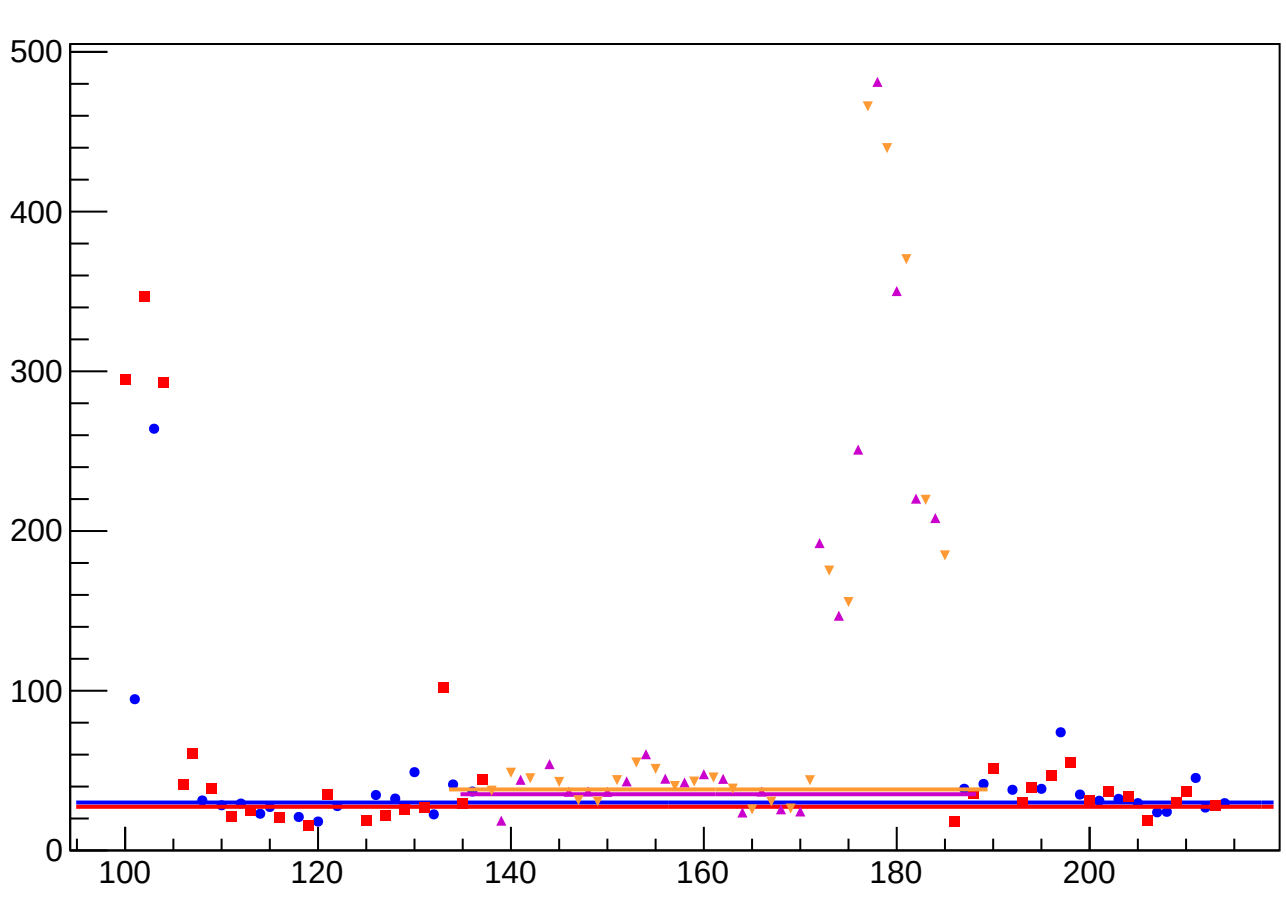
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.003+/-0.005 χ^2/NDF: 47.6/61

In: -0.003+/-0.006 χ^2/NDF:45.8/52

Out: 0.010+/-0.006 χ^2/NDF:62.9/55

All: 0.004+/-0.004 χ^2/NDF: 111.0/108



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

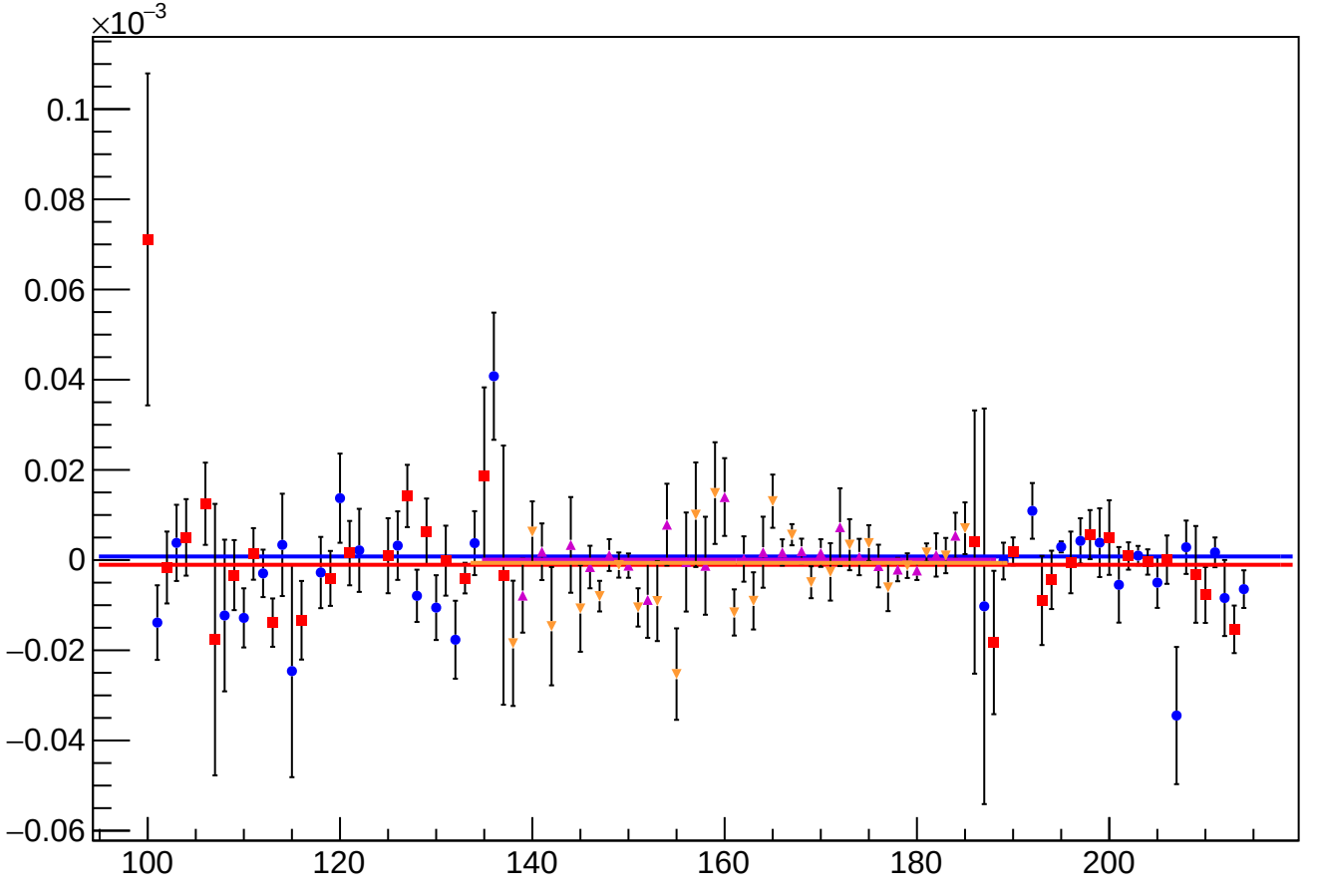
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.588+/-0.004 χ^2/NDF: 8373975.5/61

In: 31.976+/-0.004 χ^2/NDF:13142493.7/52

Out: 30.890+/-0.004 χ^2/NDF:14469612.5/55

All: 31.421+/-0.003 χ^2/NDF: 27642337.9/108



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

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

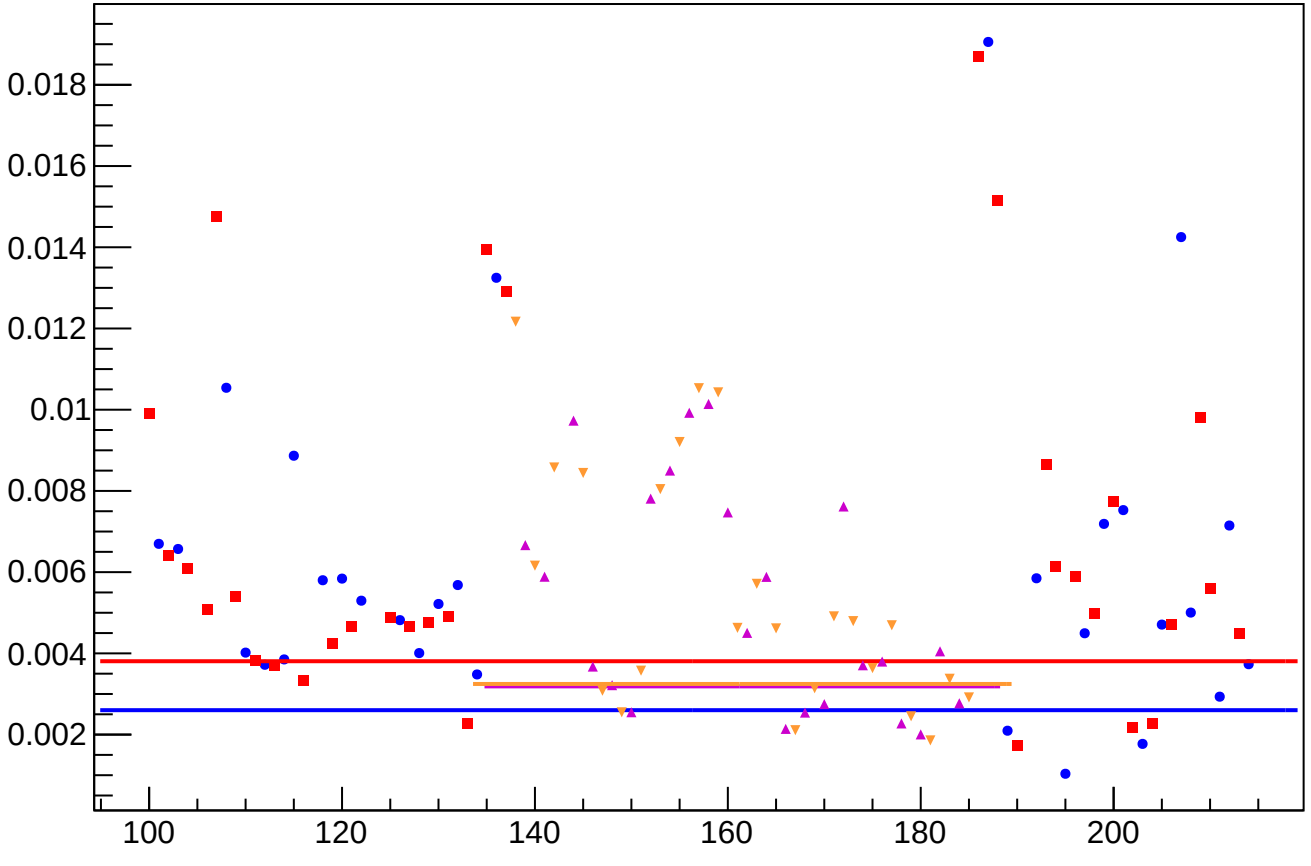
Right: 0.000+/-0.000 χ^2/NDF: 86.4/61

In: 0.000+/-0.000 χ^2/NDF:58.7/52

Out: -0.000+/-0.000 χ^2/NDF:88.4/55

All: -0.000+/-0.000 χ^2/NDF: 149.1/108

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

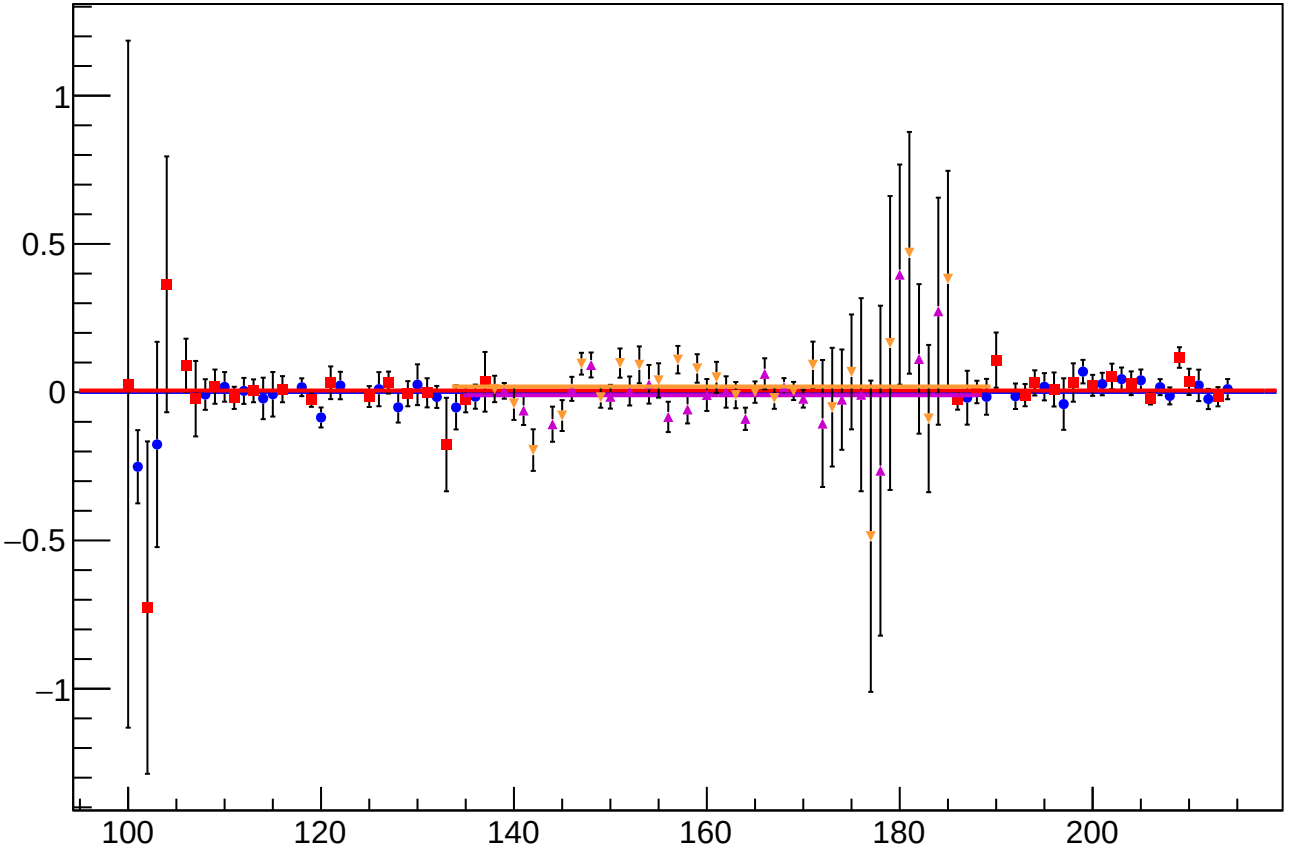
Right: 0.003+/-0.000 χ^2/NDF: 22854840.8/61

In: 0.003+/-0.000 χ^2/NDF:20906303.0/52

Out: 0.003+/-0.000 χ^2/NDF:16172592.0/55

All: 0.003+/-0.000 χ^2/NDF: 37968733.0/108

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

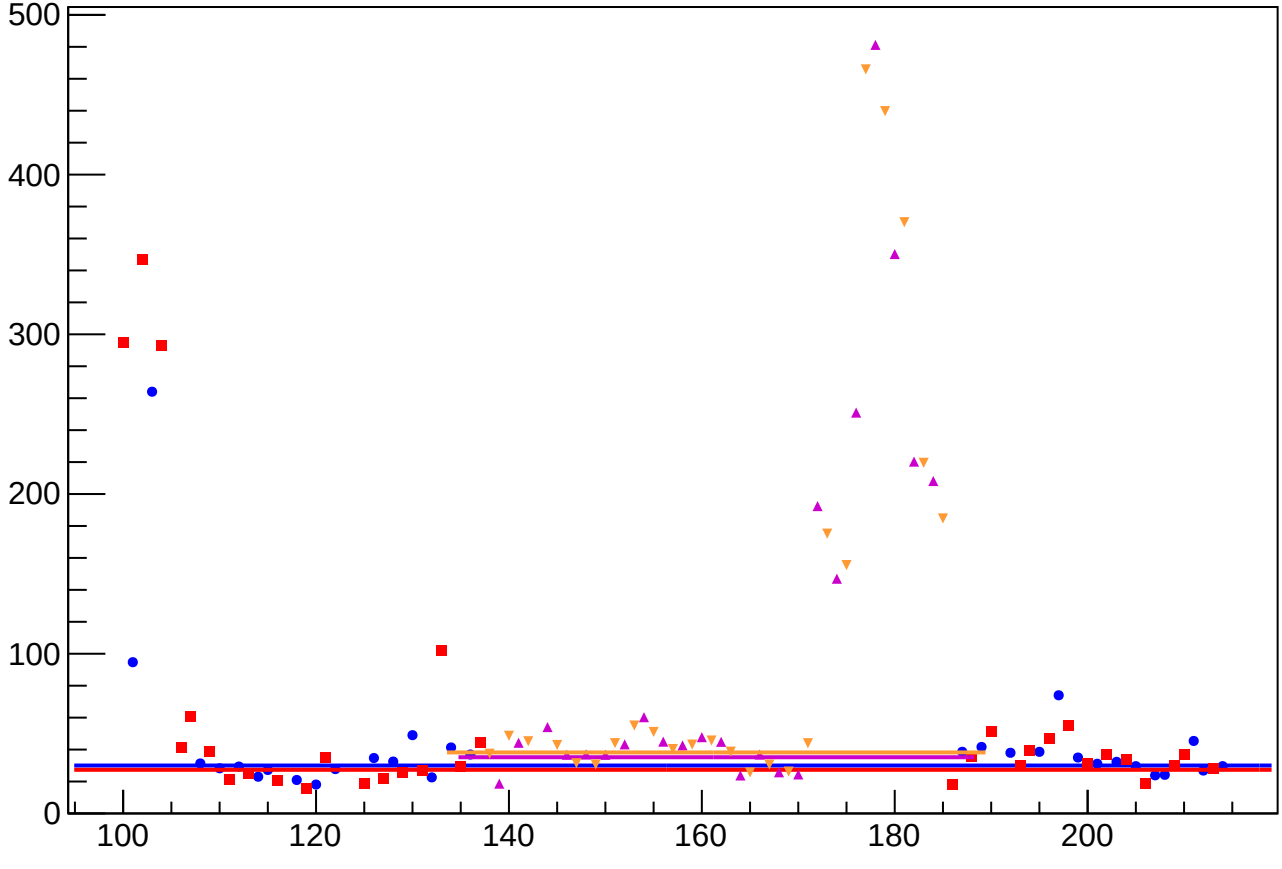
Right: 0.003+/-0.005 χ^2/NDF: 47.5/61

In: -0.003+/-0.006 χ^2/NDF:45.8/52

Out: 0.010+/-0.006 χ^2/NDF:62.9/55

All: 0.004+/-0.004 χ^2/NDF: 111.0/108

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

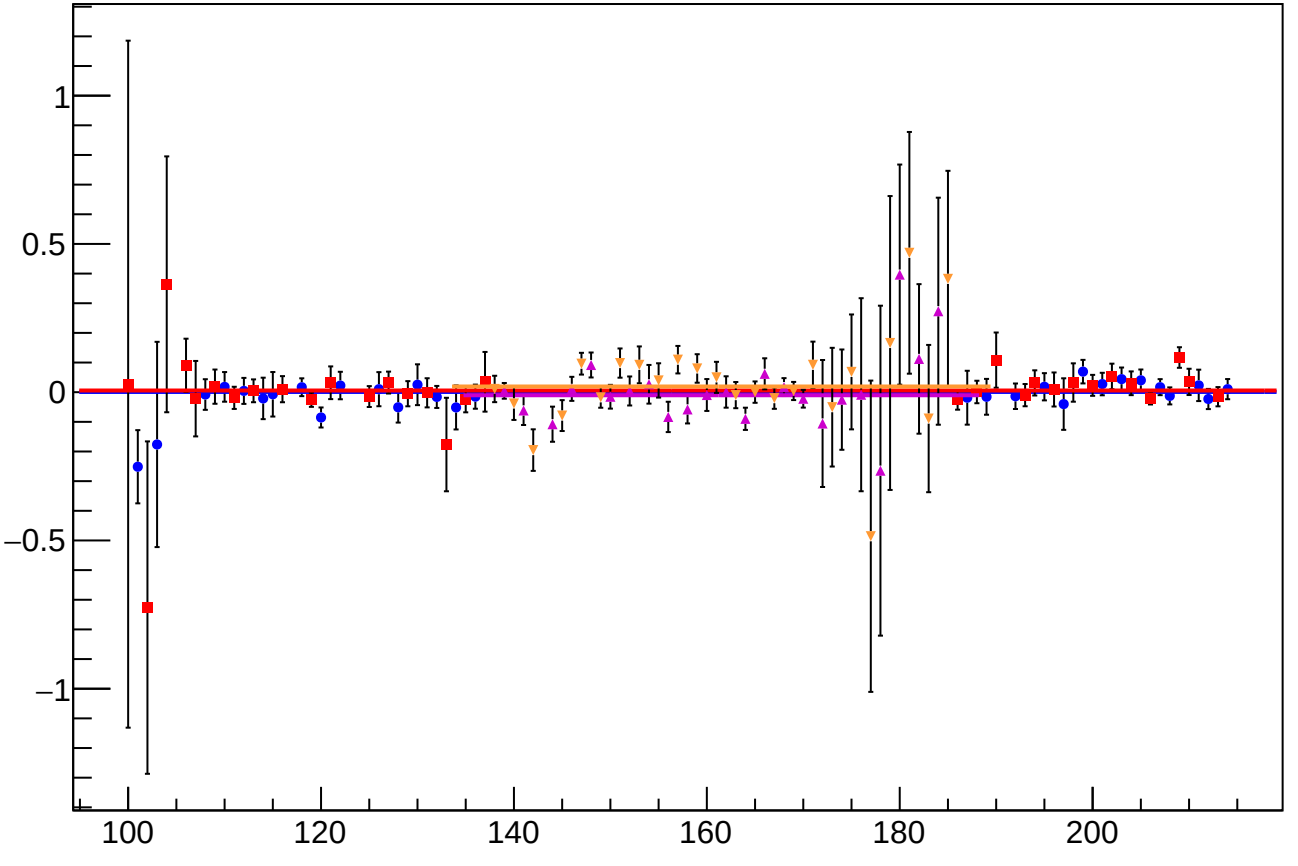
Right: 28.587+/-0.004 χ^2/NDF: 8374493.9/61

In: 31.976+/-0.004 χ^2/NDF:13143158.9/52

Out: 30.888+/-0.004 χ^2/NDF:14470362.4/55

All: 31.420+/-0.003 χ^2/NDF: 27643791.3/108

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

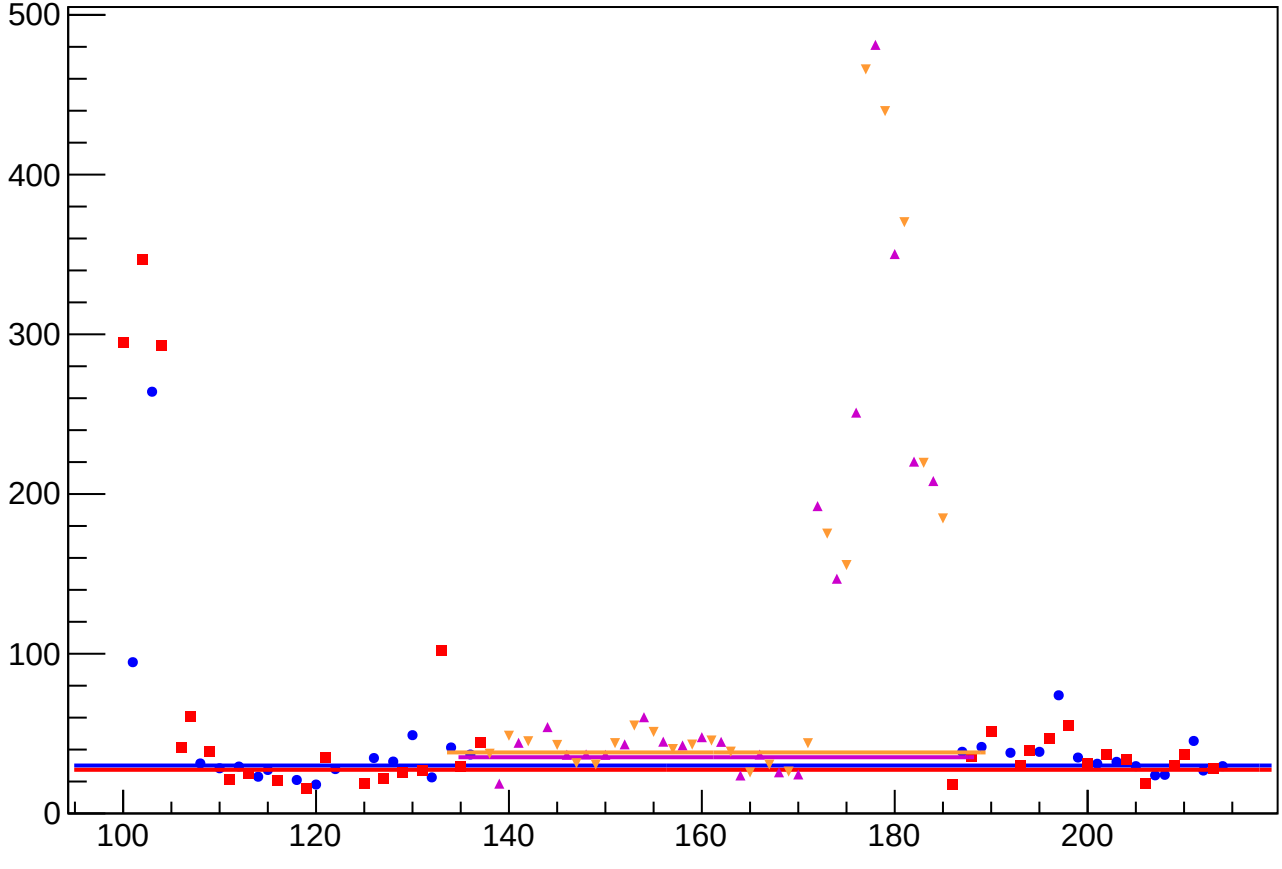
Right: 0.003+/-0.005 χ^2/NDF: 47.5/61

In: -0.003+/-0.006 χ^2/NDF:45.8/52

Out: 0.010+/-0.006 χ^2/NDF:62.9/55

All: 0.004+/-0.004 χ^2/NDF: 111.0/108

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

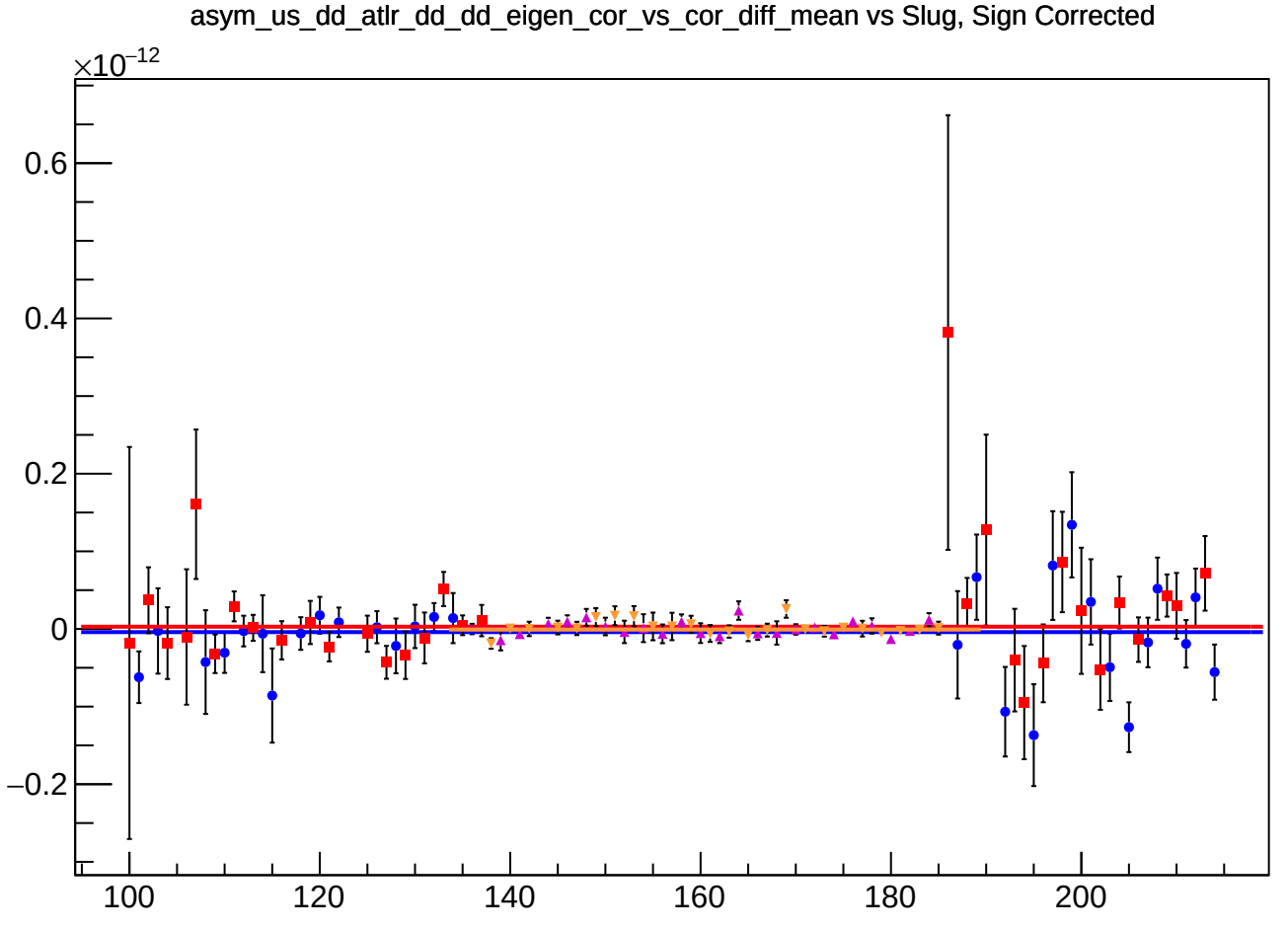
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 28.587+/-0.004 χ^2/NDF: 8374493.9/61

In: 31.976+/-0.004 χ^2/NDF:13143158.9/52

Out: 30.888+/-0.004 χ^2/NDF:14470362.4/55

All: 31.420+/-0.003 χ^2/NDF: 27643791.3/108



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

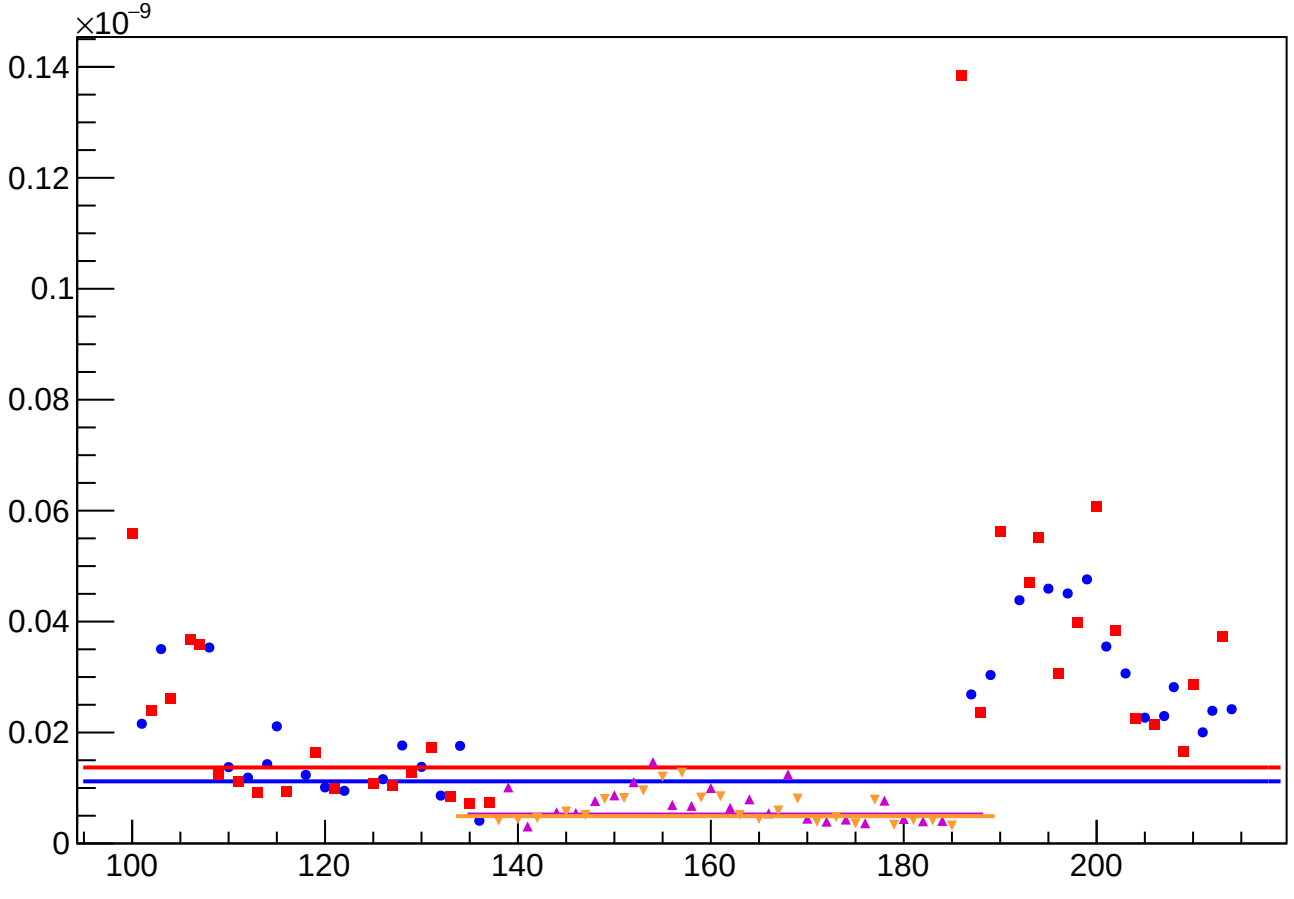
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

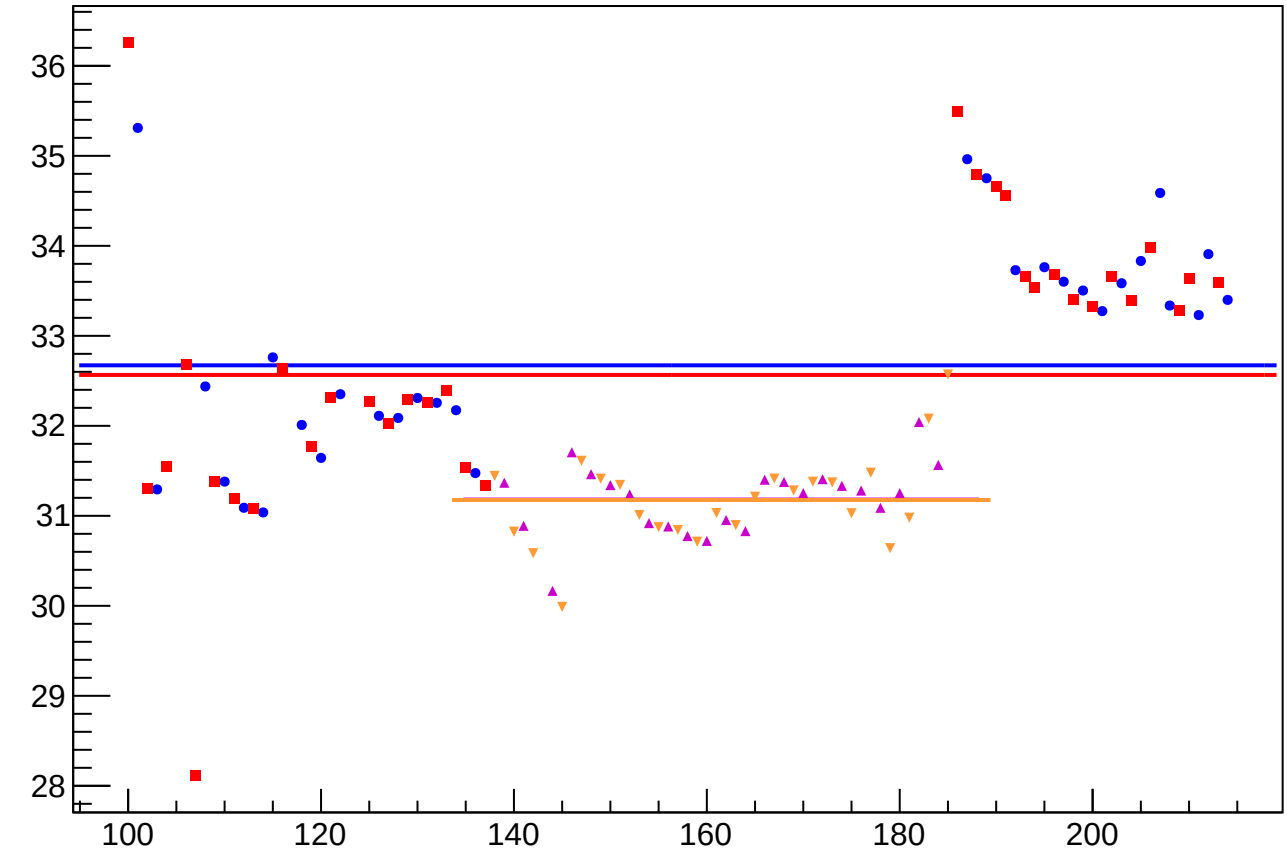
Right: -0.000+/-0.000 χ^2/NDF: 84.5/61

In: -0.000+/-0.000 χ^2/NDF:73.3/52

Out: -0.000+/-0.000 χ^2/NDF:58.5/55

All: -0.000+/-0.000 χ^2/NDF: 131.9/108


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8340240.9/29
Left Out: 0.000+/-0.000 χ²/NDF:2632036.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 6528695.0/31
Left In: 0.000+/-0.000 χ²/NDF:3449719.7/22
Left: 0.000+/-0.000 χ²/NDF: 6113497.8/46
Right: 0.000+/-0.000 χ²/NDF: 15145421.5/61
In: 0.000+/-0.000 χ²/NDF:15013713.5/52
Out: 0.000+/-0.000 χ²/NDF:14600055.1/55
All: 0.000+/-0.000 χ²/NDF: 29640585.4/108



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

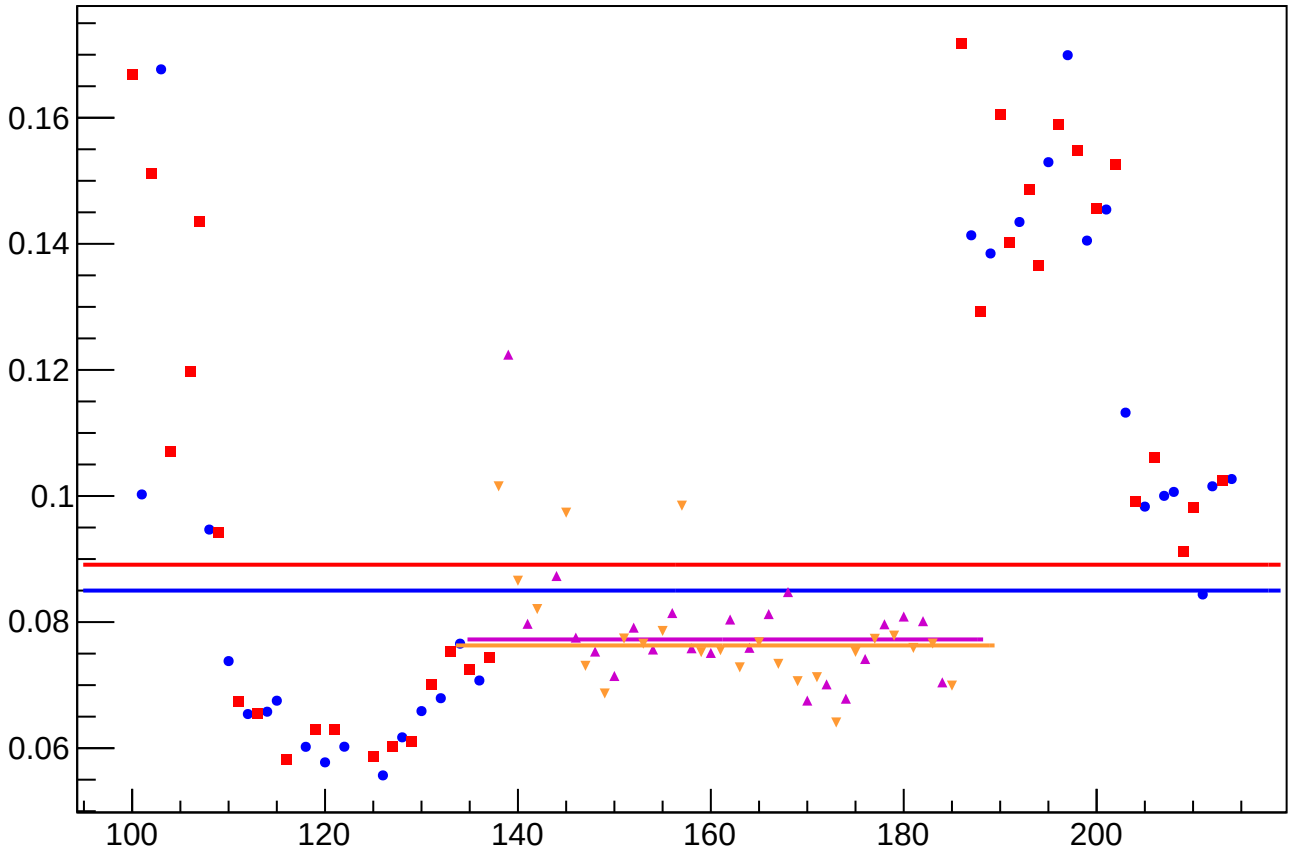
Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

Right: 32.621+/-0.000 χ^2/NDF: 4738792671.2/62

In: 31.831+/-0.000 χ^2/NDF:5519629232.5/52

Out: 31.744+/-0.000 χ^2/NDF:5075319261.7/56

All: 31.788+/-0.000 χ^2/NDF: 10613586588.9



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

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

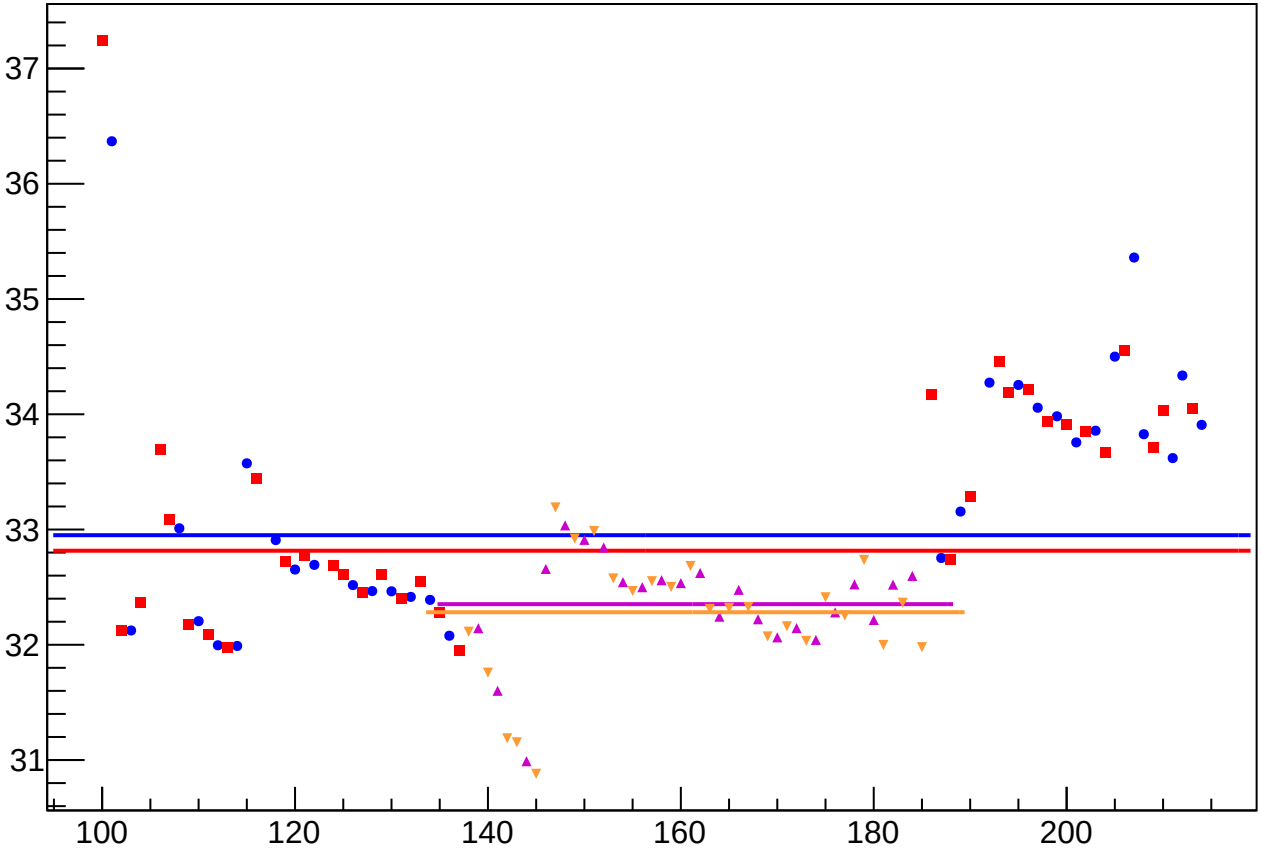
Right: 0.087+/-0.000 χ^2/NDF: 7566365.3/62

In: 0.081+/-0.000 χ^2/NDF:4054129.2/52

Out: 0.082+/-0.000 χ^2/NDF:4730909.4/56

All: 0.081+/-0.000 χ^2/NDF: 8789038.2/109

yield_usr_mean vs Slug, Sign Corrected



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

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

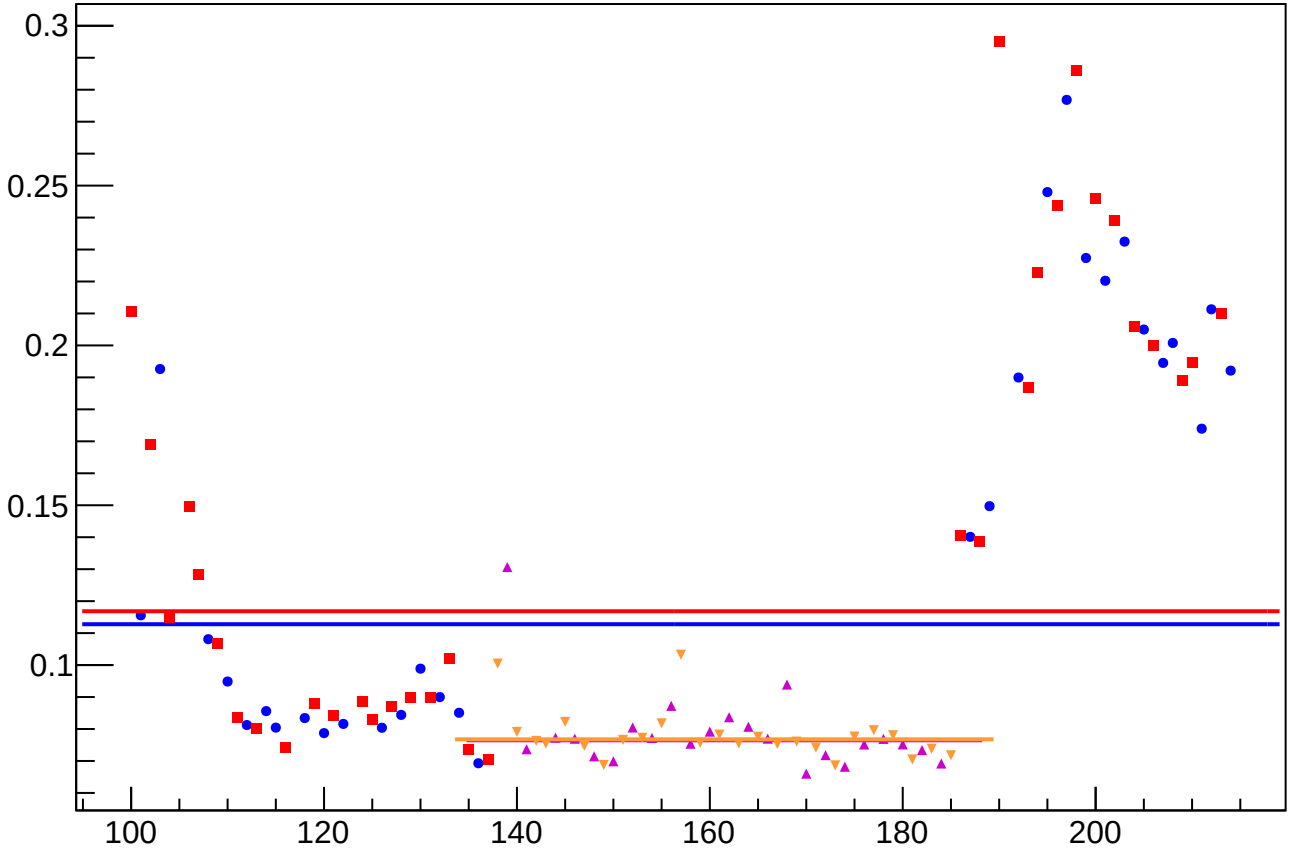
Right: 32.885+/-0.000 χ^2/NDF: 1833381439.7/62

In: 32.518+/-0.000 χ^2/NDF:2085264298.9/52

Out: 32.422+/-0.000 χ^2/NDF:1674936526.5/57

All: 32.469+/-0.000 χ^2/NDF: 3778748328.3/1

yield_usr_rms vs Slug, Sign Corrected



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

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

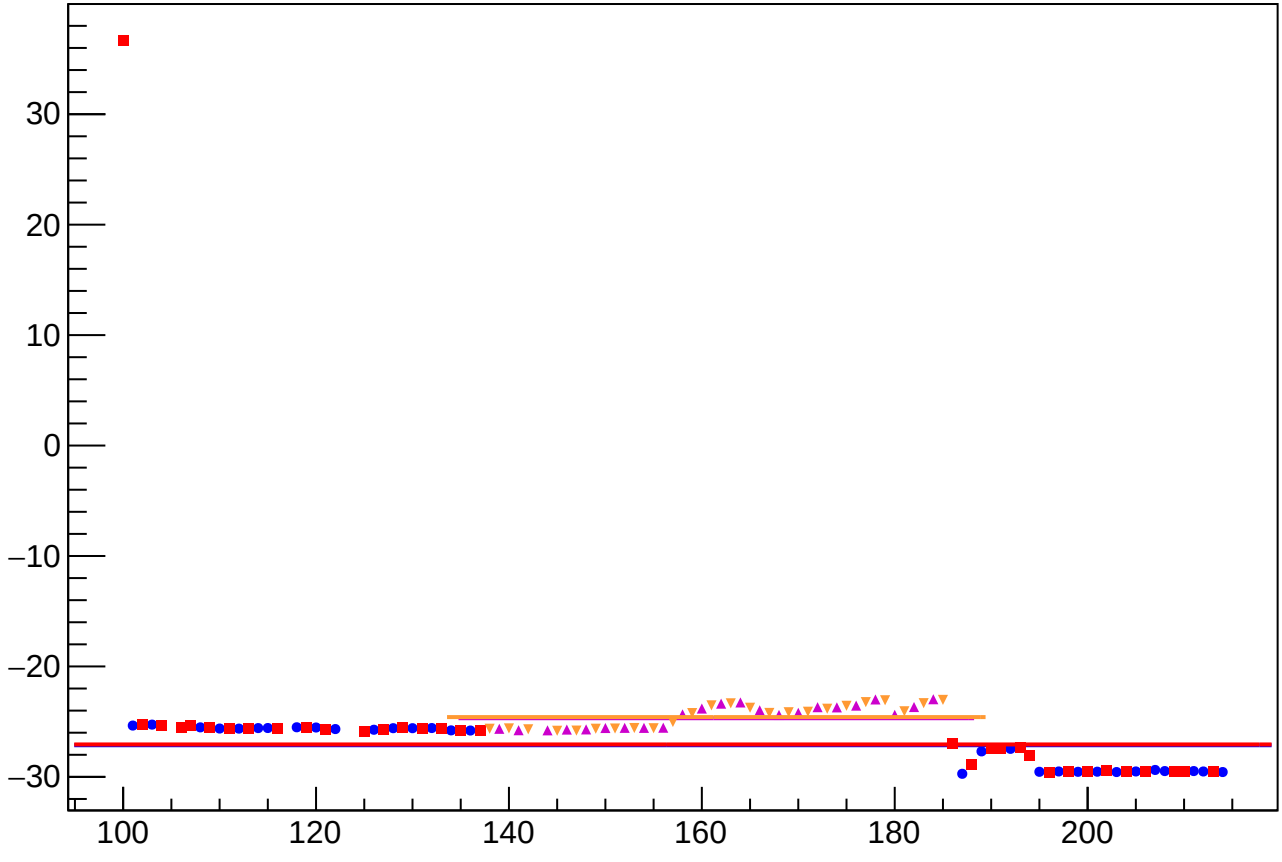
Right: 0.115+/-0.000 χ^2/NDF: 12270860.3/62

In: 0.087+/-0.000 χ^2/NDF:8796043.2/52

Out: 0.087+/-0.000 χ^2/NDF:8801692.9/57

All: 0.087+/-0.000 χ^2/NDF: 17599860.0/110

yield_dsl_mean vs Slug, Sign Corrected



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

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

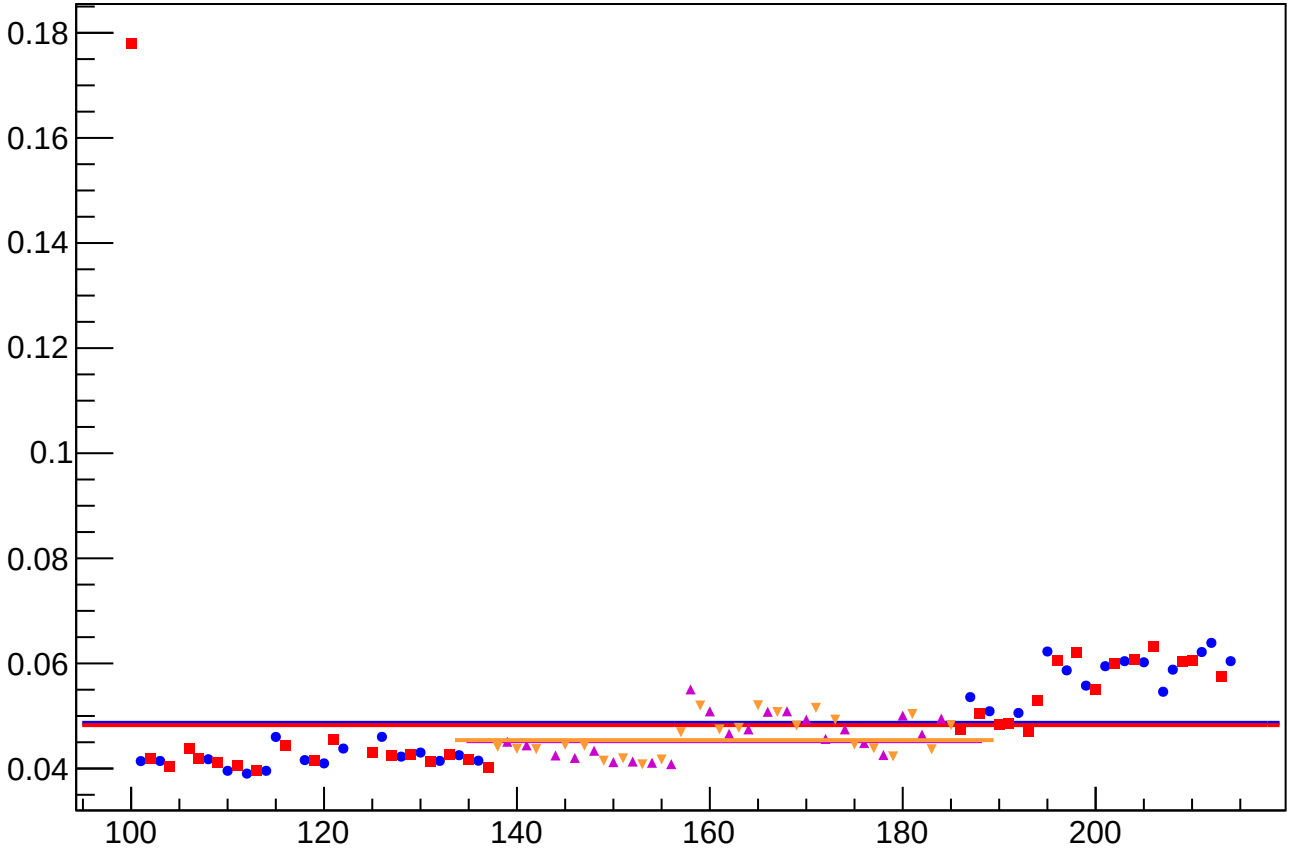
Right: -27.098+/-0.000 χ^2/NDF: 57327378209.6/62

In: -25.802+/-0.000 χ^2/NDF:57354803399.7/52

Out: -25.745+/-0.000 χ^2/NDF:66713460518.2/56

All: -25.773+/-0.000 χ^2/NDF: 12409438682

yield_dsl_rms vs Slug, Sign Corrected



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

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

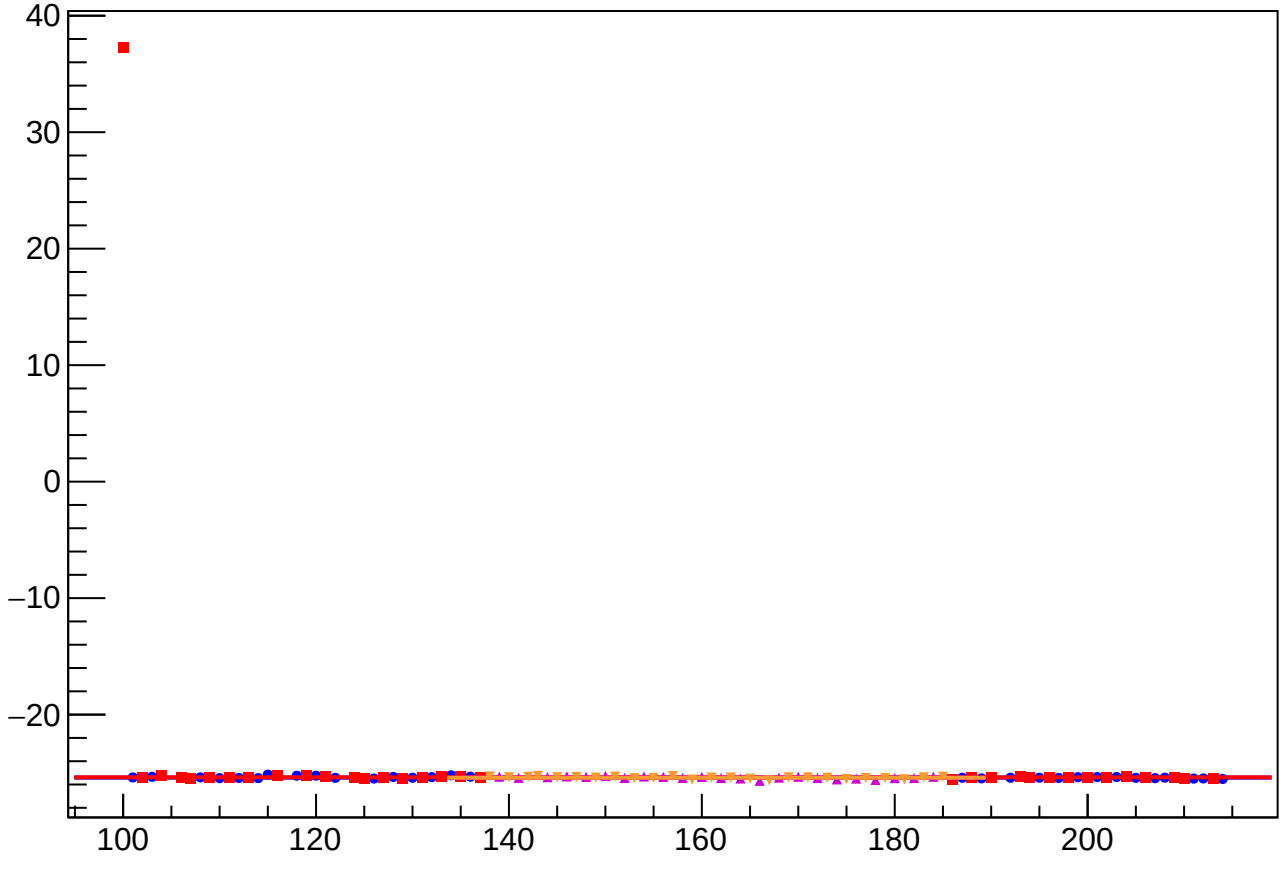
Right: 0.048+/-0.000 χ^2/NDF: 2078505.5/62

In: 0.047+/-0.000 χ^2/NDF:1382245.2/52

Out: 0.047+/-0.000 χ^2/NDF:1308145.1/56

All: 0.047+/-0.000 χ^2/NDF: 2690433.2/109

yield_dsr_mean vs Slug, Sign Corrected



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

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

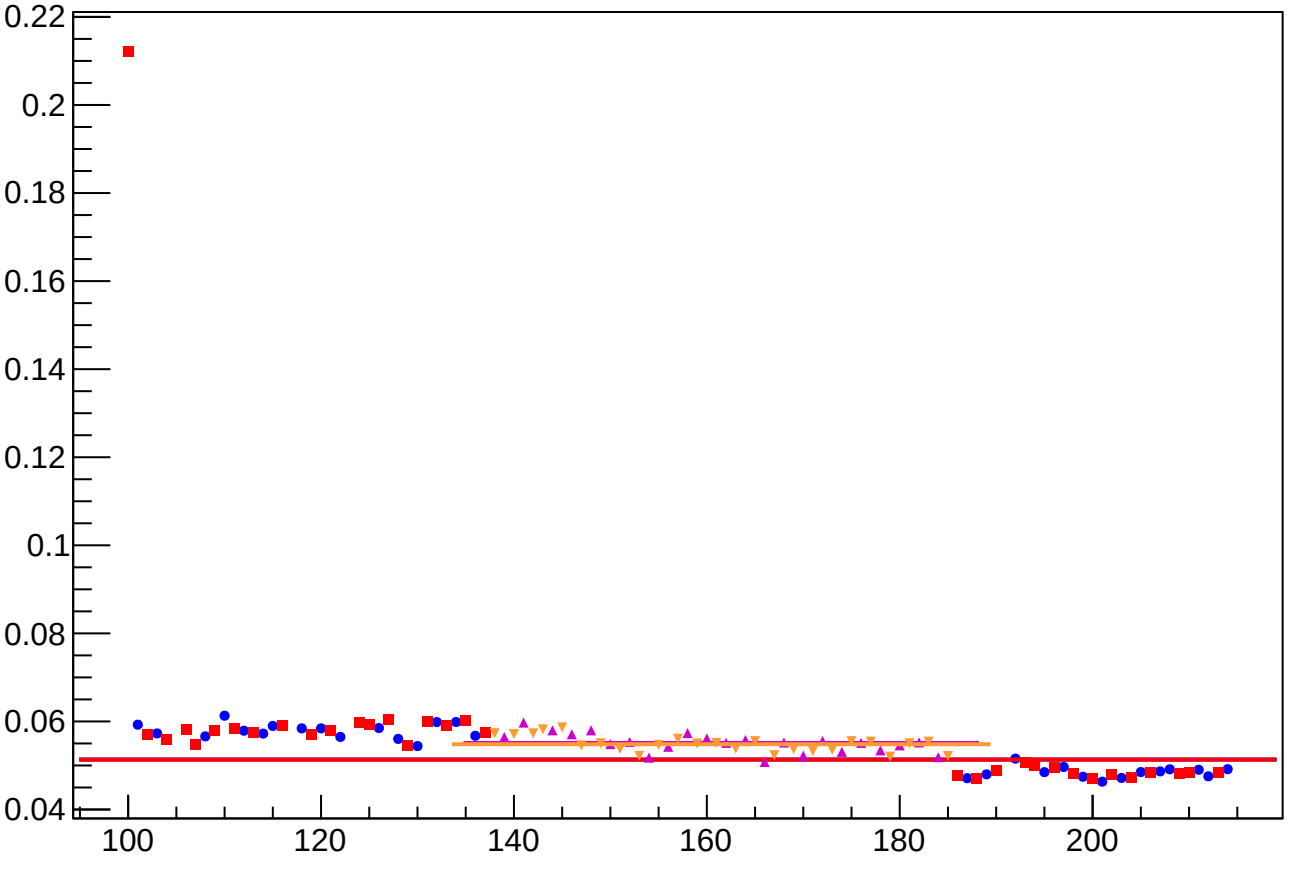
Right: -25.396+/-0.000 χ^2/NDF: 6379123191.9/62

In: -25.411+/-0.000 χ^2/NDF:87737902.2/52

Out: -25.400+/-0.000 χ^2/NDF:6401087287.4/57

All: -25.405+/-0.000 χ^2/NDF: 6489616646.1/

yield_dsr_rms vs Slug, Sign Corrected



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

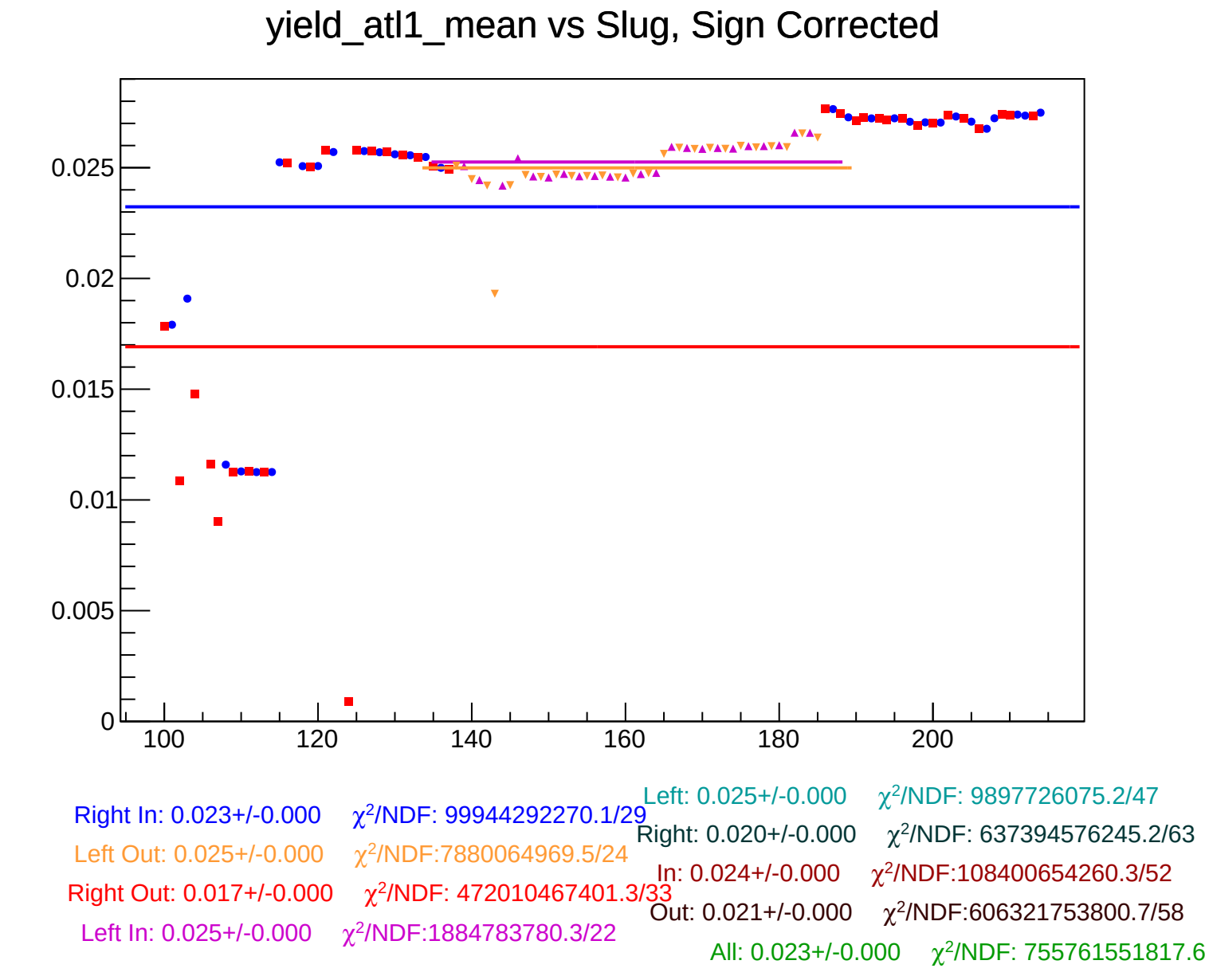
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.051+/-0.000 χ^2/NDF: 648860.7/62

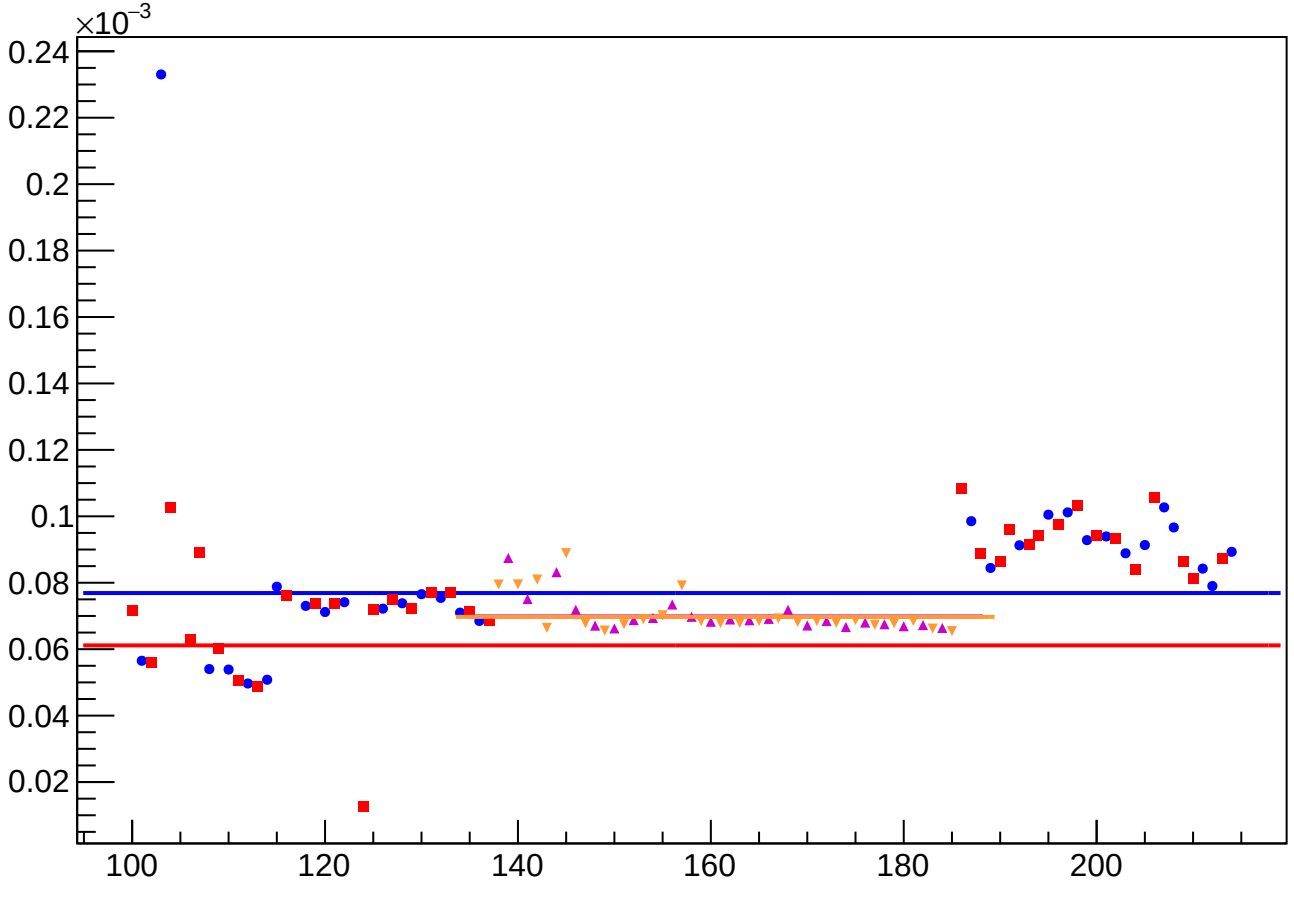
In: 0.053+/-0.000 χ^2/NDF:413342.2/52

Out: 0.053+/-0.000 χ^2/NDF:492888.4/57

All: 0.053+/-0.000 χ^2/NDF: 906358.3/110


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.023+/-0.000 χ²/NDF: 99944292270.1/29
Left Out: 0.025+/-0.000 χ²/NDF:7880064969.5/24
Right Out: 0.017+/-0.000 χ²/NDF: 472010467401.3/33
Left In: 0.025+/-0.000 χ²/NDF:1884783780.3/22
Left: 0.025+/-0.000 χ²/NDF: 9897726075.2/47
Right: 0.020+/-0.000 χ²/NDF: 637394576245.2/63
In: 0.024+/-0.000 χ²/NDF:108400654260.3/52
Out: 0.021+/-0.000 χ²/NDF:606321753800.7/58
All: 0.023+/-0.000 χ²/NDF: 755761551817.6

yield_atl1_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

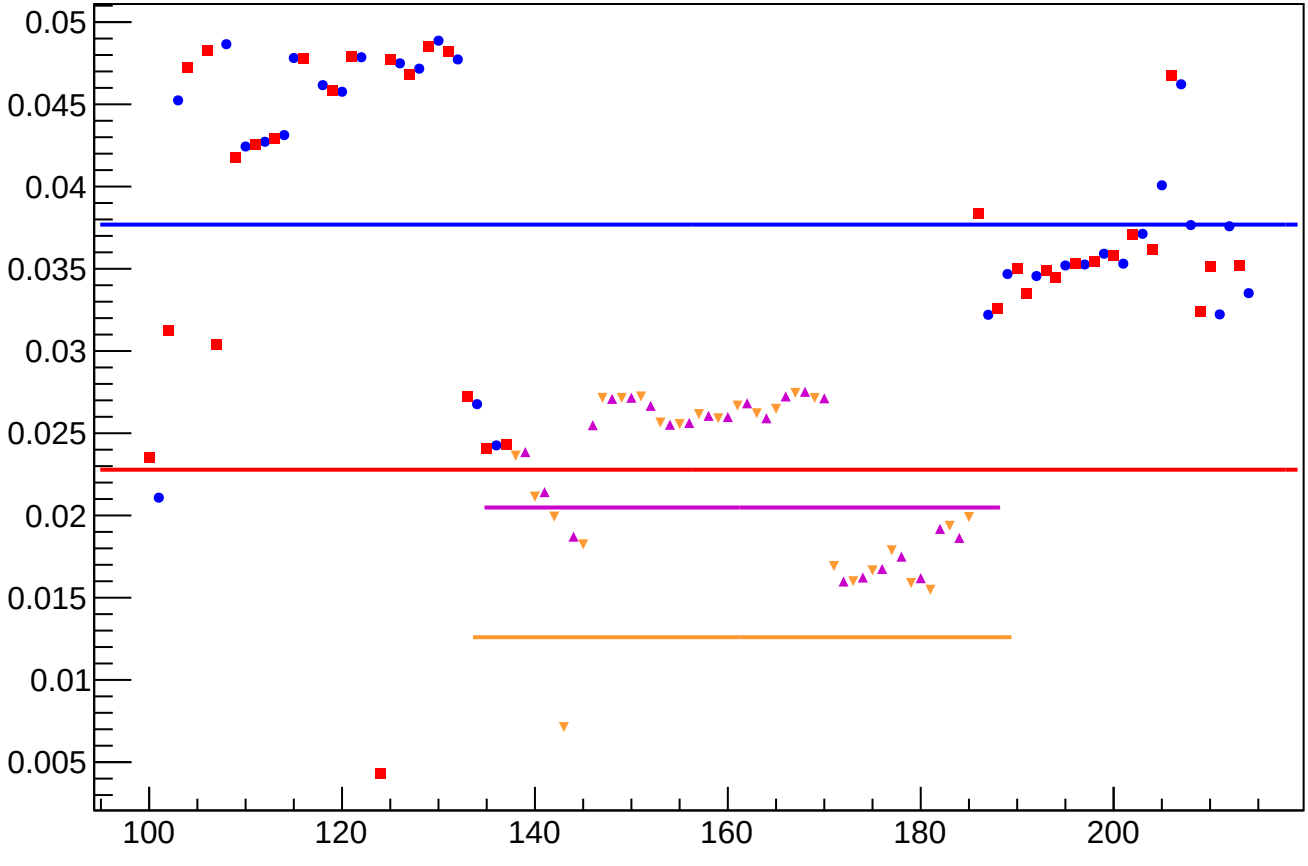
Right: 0.000+/-0.000 χ^2/NDF: 10488047.3/63

In: 0.000+/-0.000 χ^2/NDF:2240631.0/52

Out: 0.000+/-0.000 χ^2/NDF:8218386.9/58

All: 0.000+/-0.000 χ^2/NDF: 10856145.2/111

yield_atl2_mean vs Slug, Sign Corrected



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

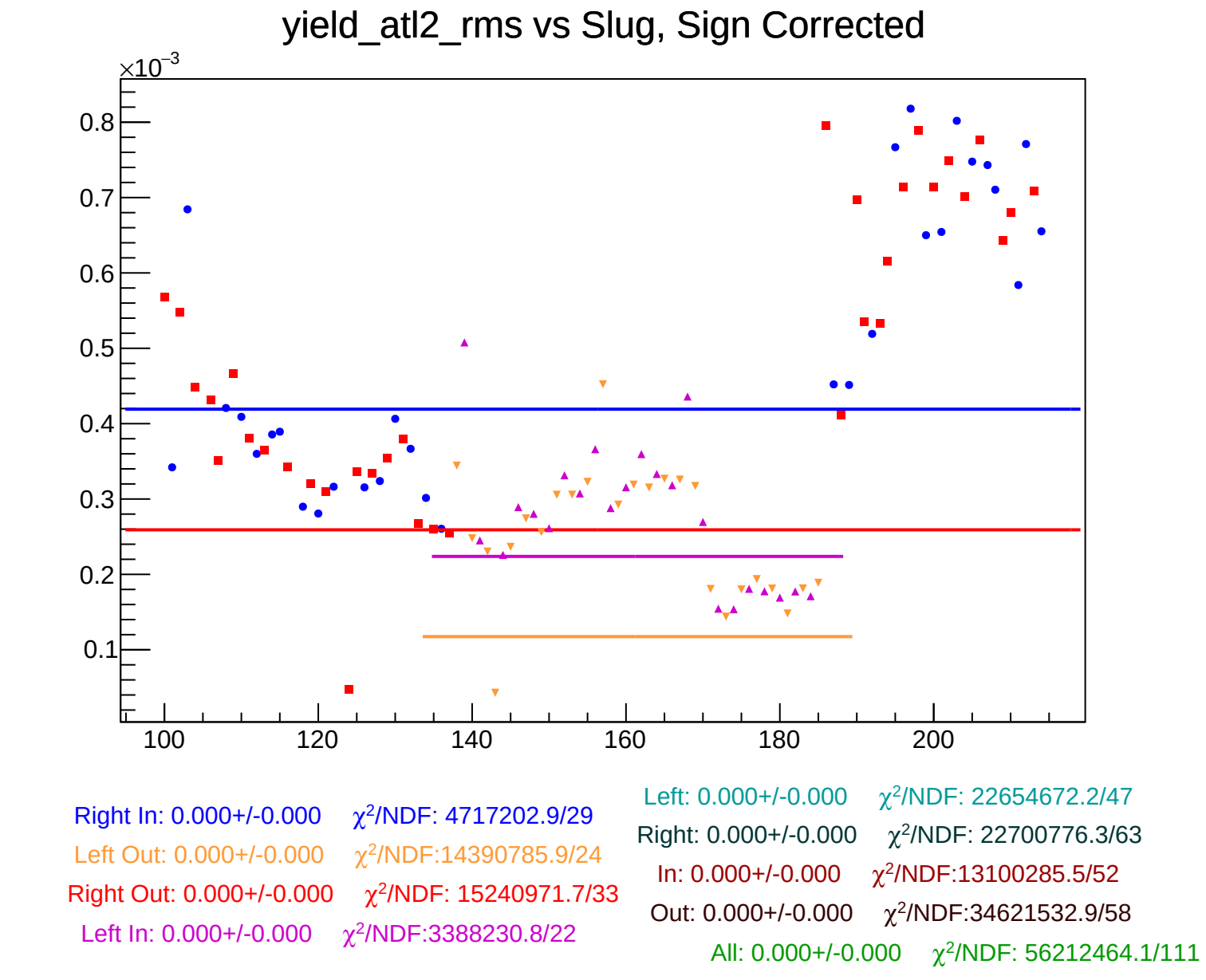
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.028+/-0.000 χ^2/NDF: 66896295095.1/63

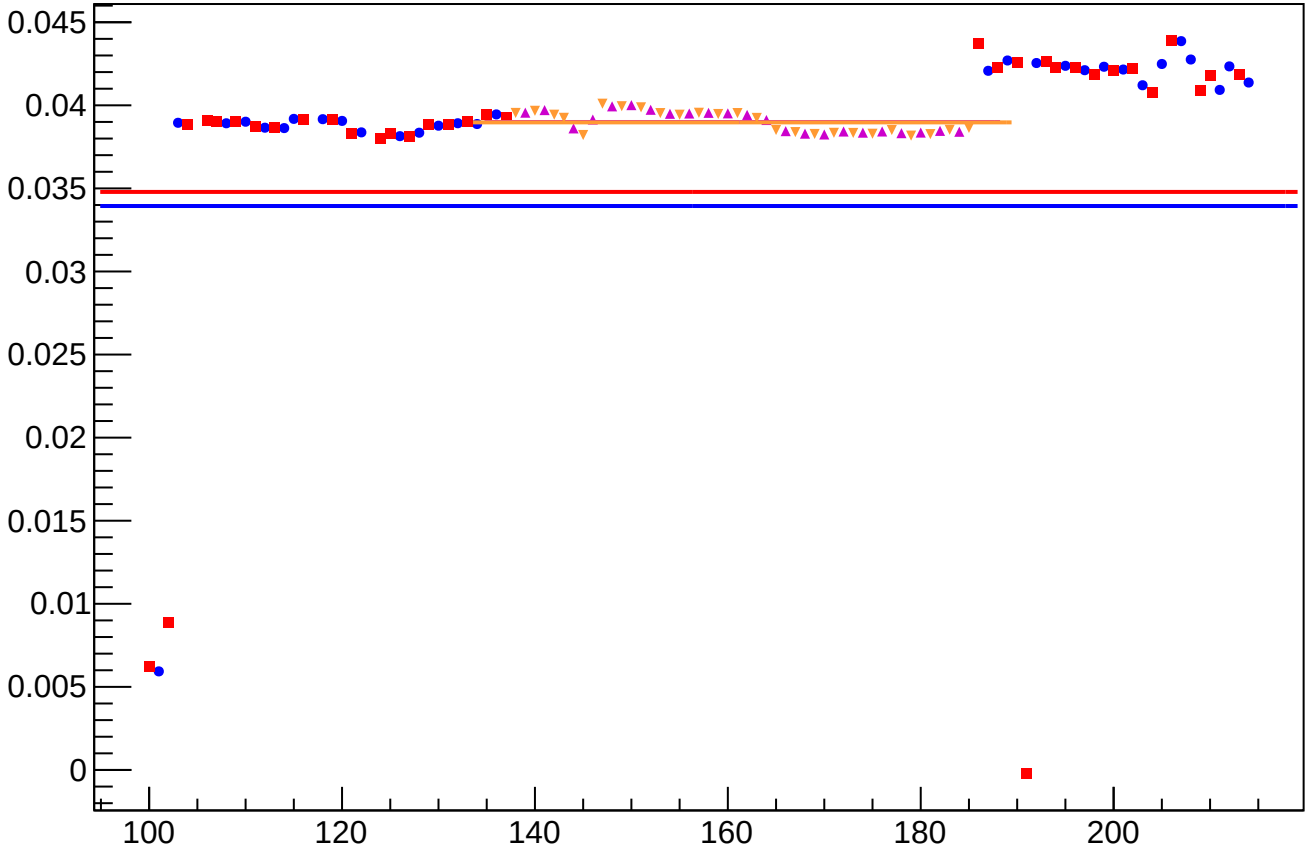
In: 0.024+/-0.000 χ^2/NDF:32901545697.1/52

Out: 0.014+/-0.000 χ^2/NDF:97799694733.2/58

All: 0.017+/-0.000 χ^2/NDF: 157364354321.0


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4717202.9/29
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 15240971.7/33
Left In: 0.000+/-0.000 χ²/NDF:3388230.8/22
Left: 0.000+/-0.000 χ²/NDF: 22654672.2/47
Right: 0.000+/-0.000 χ²/NDF: 22700776.3/63
In: 0.000+/-0.000 χ²/NDF:13100285.5/52
Out: 0.000+/-0.000 χ²/NDF:34621532.9/58
All: 0.000+/-0.000 χ²/NDF: 56212464.1/111

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 133372543455.6/29

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.035+/-0.000 χ^2/NDF: 121511732455.3/33

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

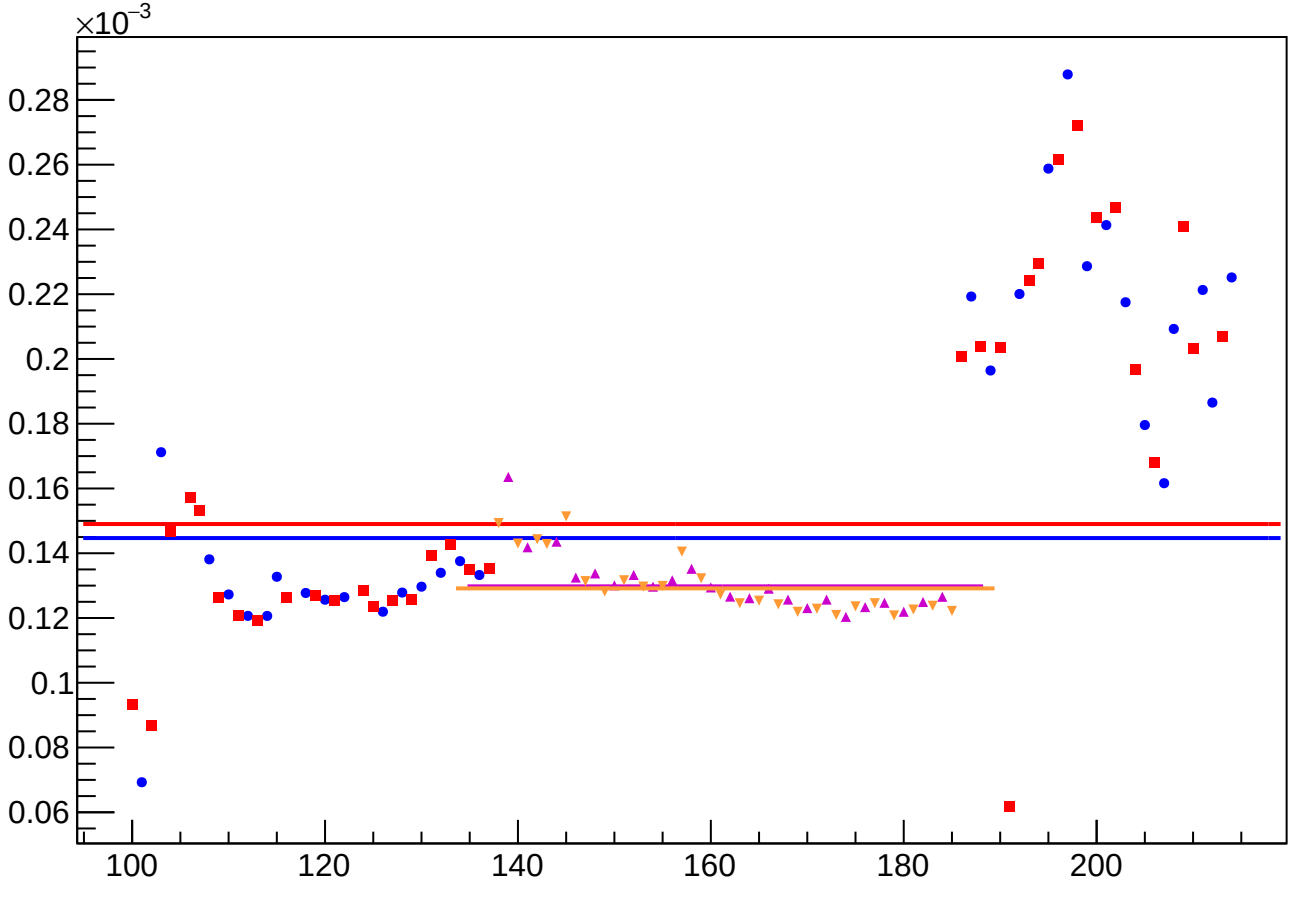
Right: 0.034+/-0.000 χ^2/NDF: 255149466716.2/63

In: 0.037+/-0.000 χ^2/NDF:144978818306.3/52

Out: 0.037+/-0.000 χ^2/NDF:129749132410.2/58

All: 0.037+/-0.000 χ^2/NDF: 274893634520.8

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4214679.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3922703.4/33

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

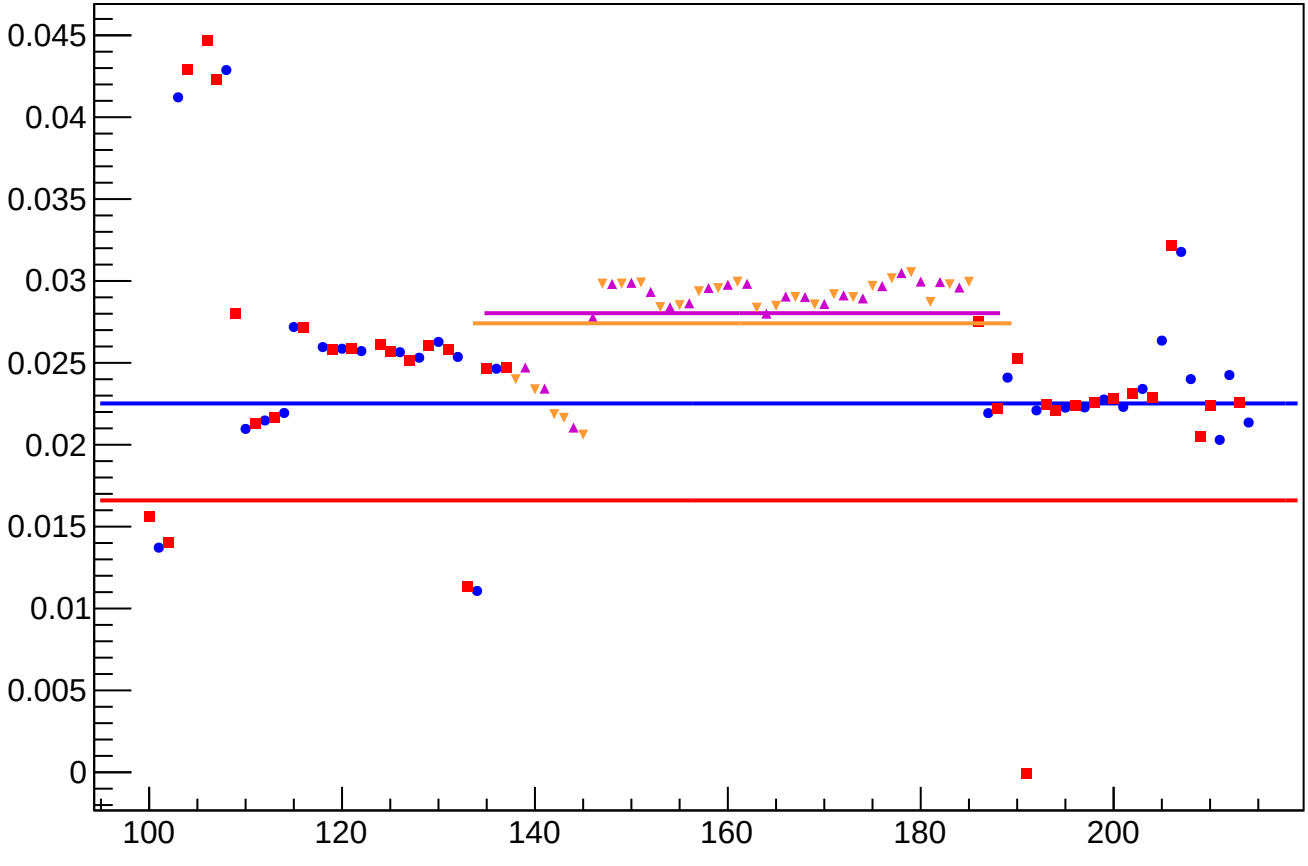
Right: 0.000+/-0.000 χ^2/NDF: 8151193.5/63

In: 0.000+/-0.000 χ^2/NDF:4551359.5/52

Out: 0.000+/-0.000 χ^2/NDF:4430104.2/58

All: 0.000+/-0.000 χ^2/NDF: 8983292.8/111

yield_atr2_mean vs Slug, Sign Corrected



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

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

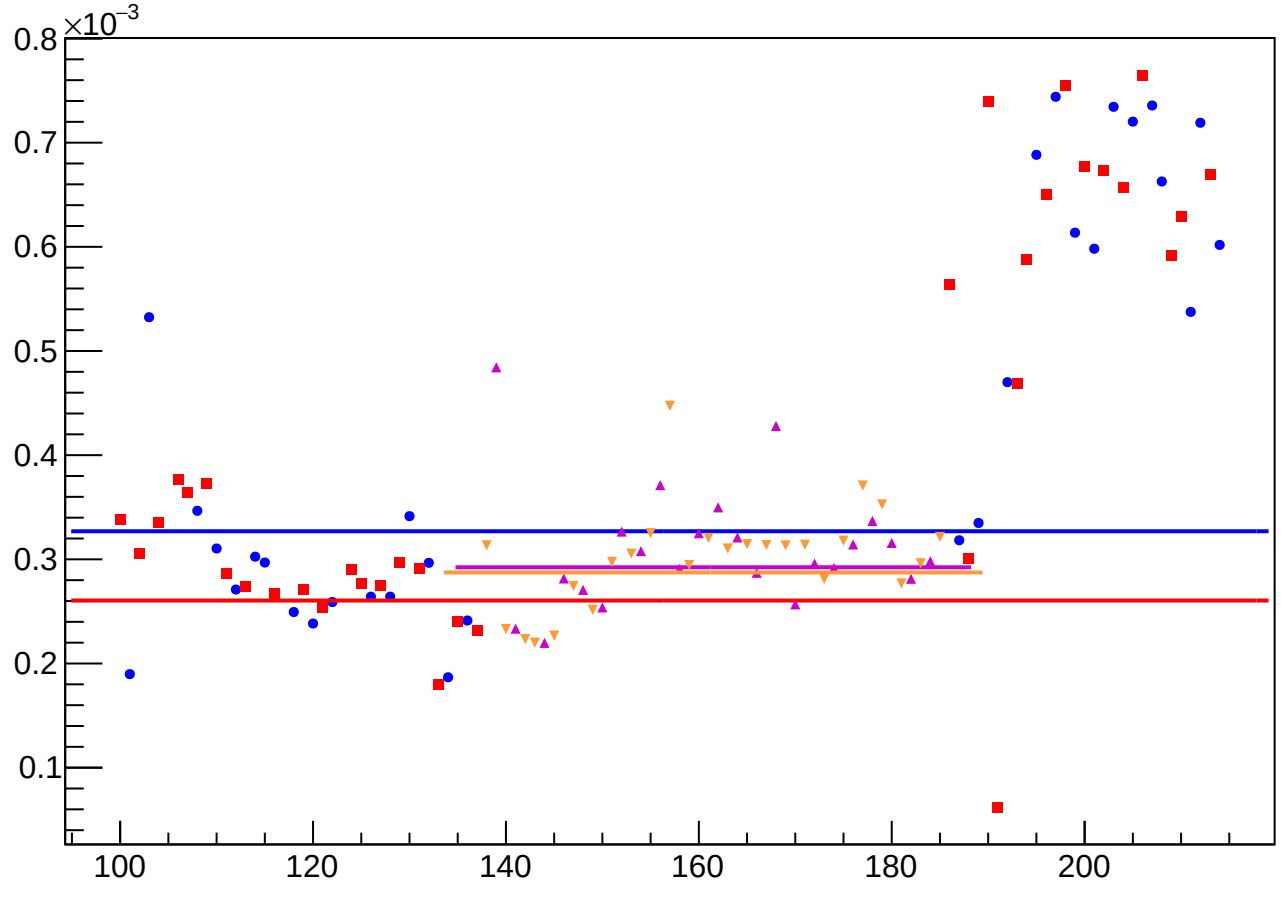
Right: 0.019+/-0.000 χ^2/NDF: 33614503236.4/63

In: 0.026+/-0.000 χ^2/NDF:9040044146.4/52

Out: 0.022+/-0.000 χ^2/NDF:39111441412.4/58

All: 0.024+/-0.000 χ^2/NDF: 50098160170.4/1

yield_atr2_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

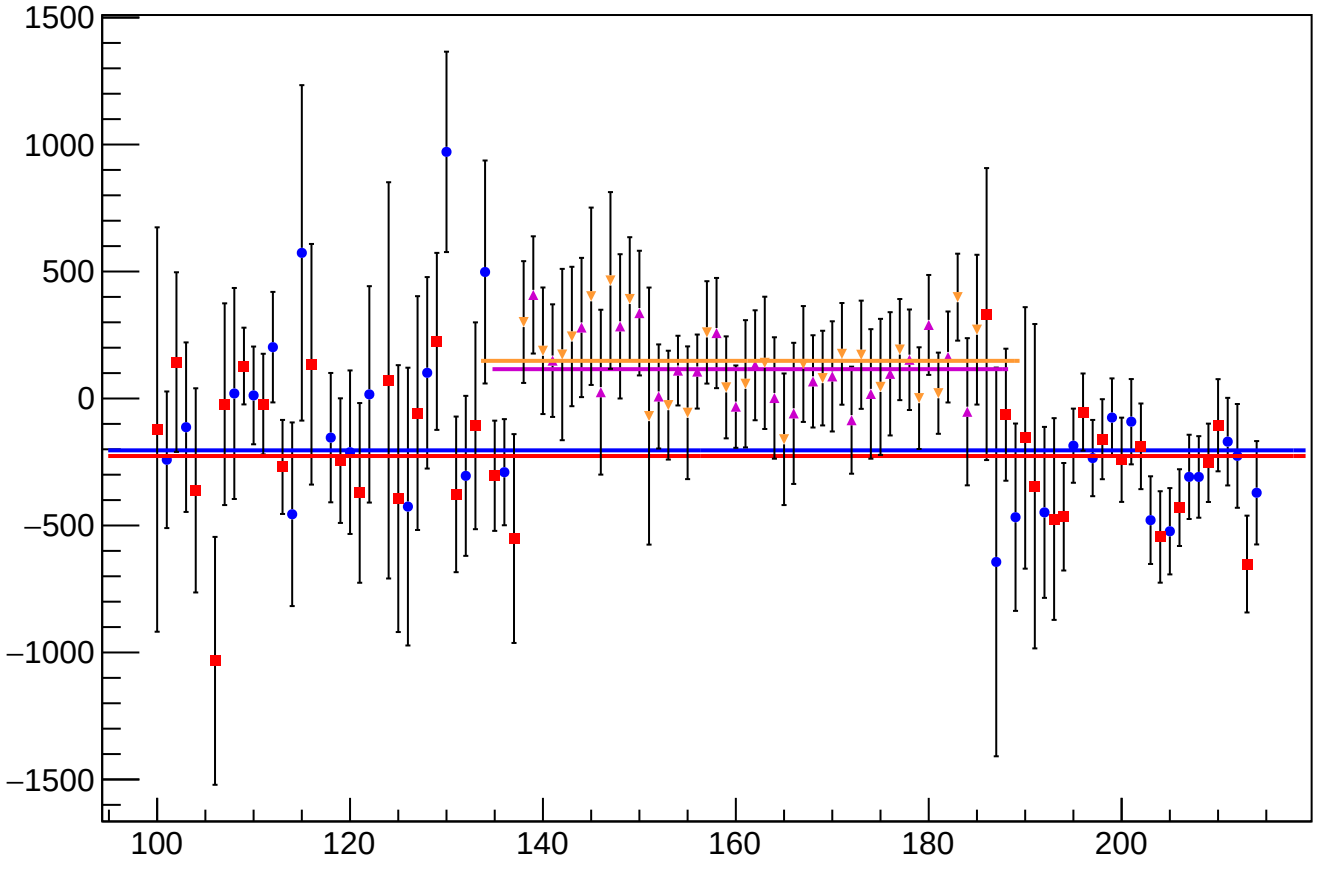
Right: 0.000+/-0.000 χ^2/NDF: 18644098.9/63

In: 0.000+/-0.000 χ^2/NDF:7709180.7/52

Out: 0.000+/-0.000 χ^2/NDF:12395786.2/58

All: 0.000+/-0.000 χ^2/NDF: 20441474.5/111

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

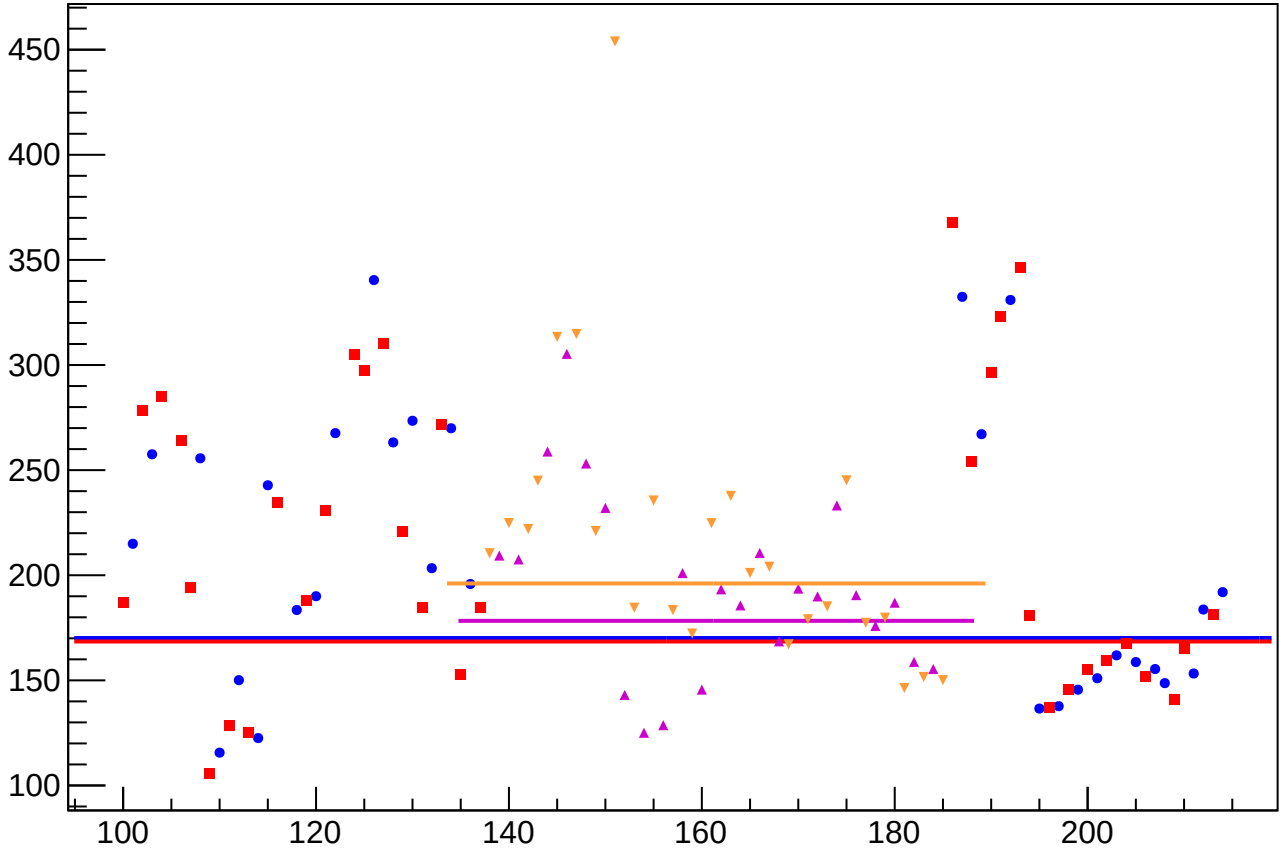
Right: -215.435+/-29.084 χ^2/NDF: 59.9/63

In: -52.533+/-30.005 χ^2/NDF:66.1/52

Out: -61.974+/-30.623 χ^2/NDF:77.0/58

All: -57.157+/-21.432 χ^2/NDF: 143.1/111

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

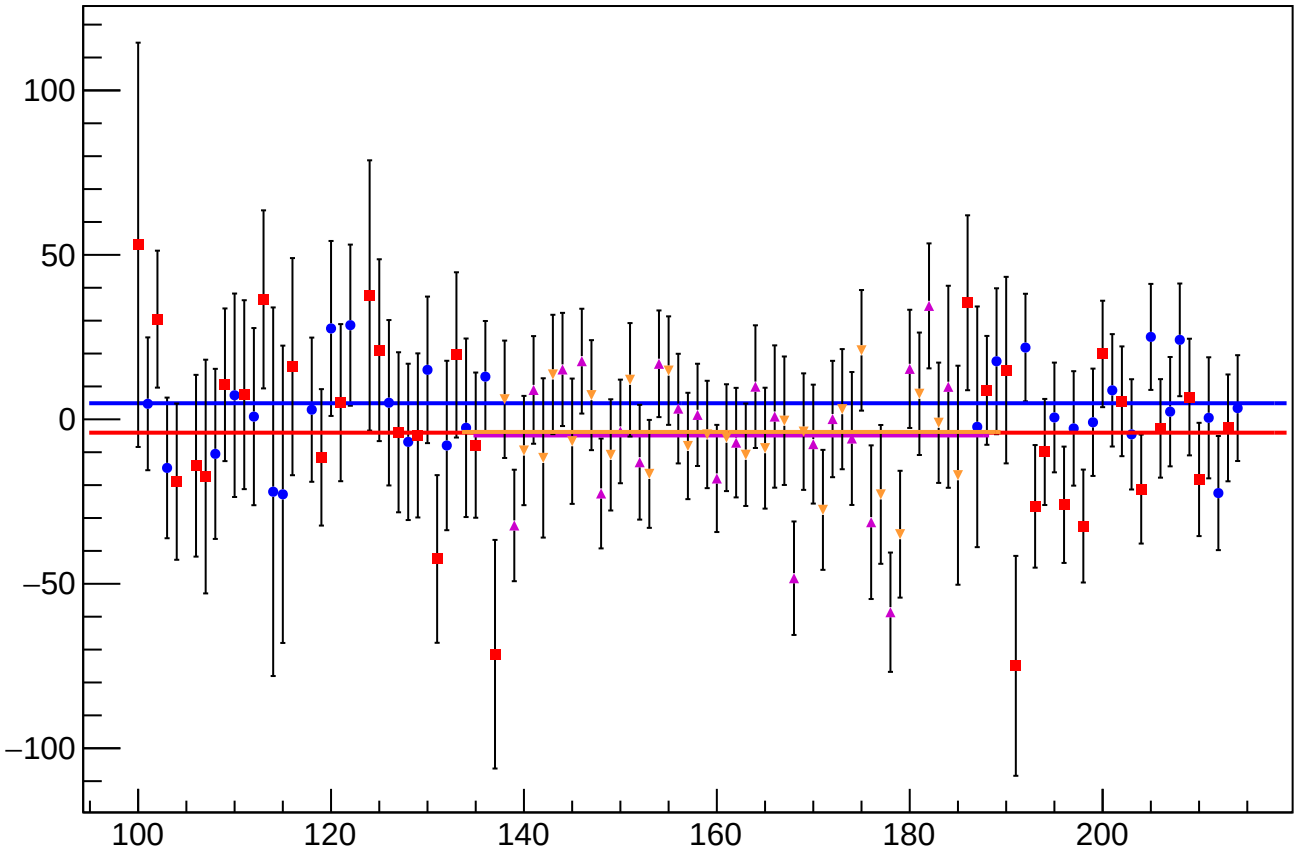
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 169.300+/-0.021 χ^2/NDF: 5329902.4/63

In: 174.016+/-0.021 χ^2/NDF:4032335.3/52

Out: 180.601+/-0.022 χ^2/NDF:5230056.2/58

All: 177.241+/-0.015 χ^2/NDF: 9309581.6/11



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

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

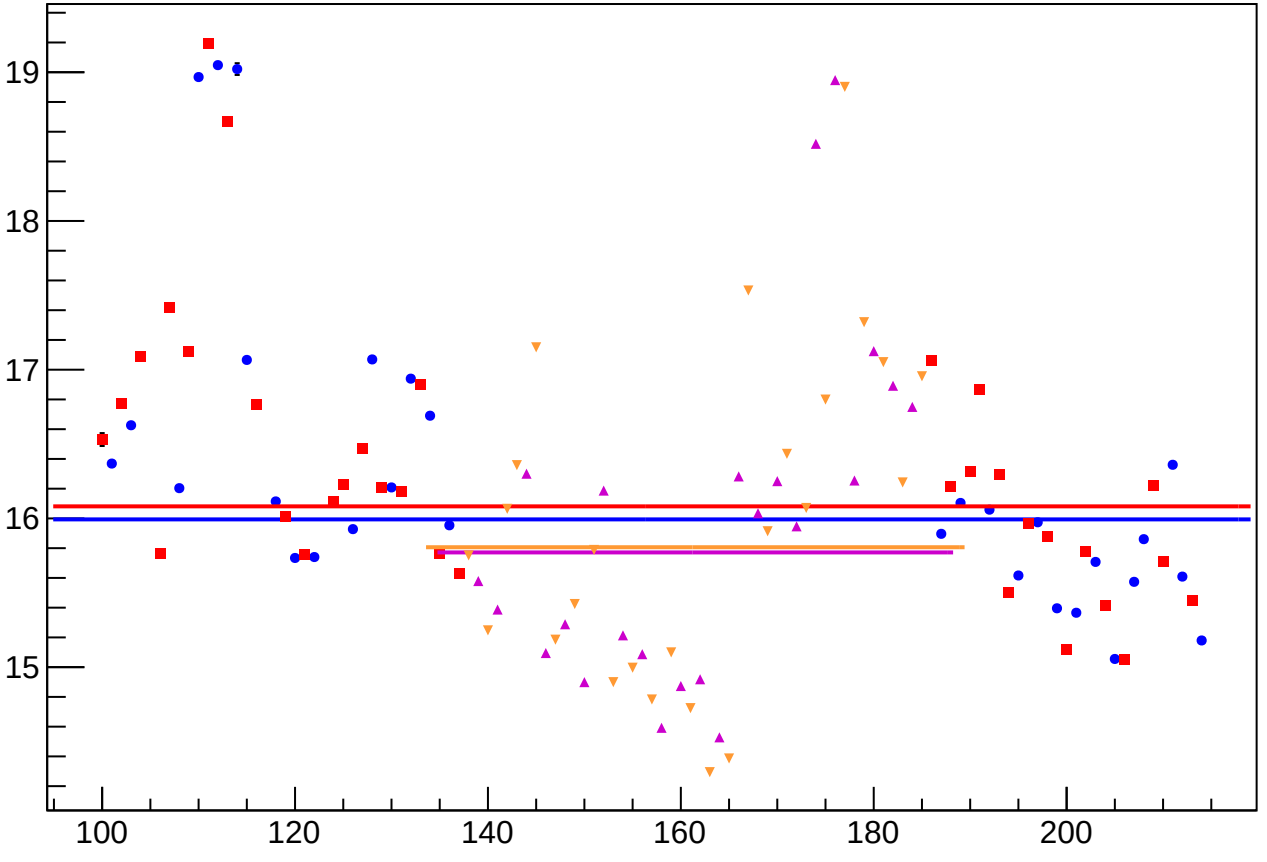
Right: 0.354+/-2.627 χ^2/NDF: 49.8/63

In: -0.066+/-2.629 χ^2/NDF:49.5/52

Out: -3.944+/-2.578 χ^2/NDF:47.6/58

All: -2.043+/-1.841 χ^2/NDF: 98.2/111

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

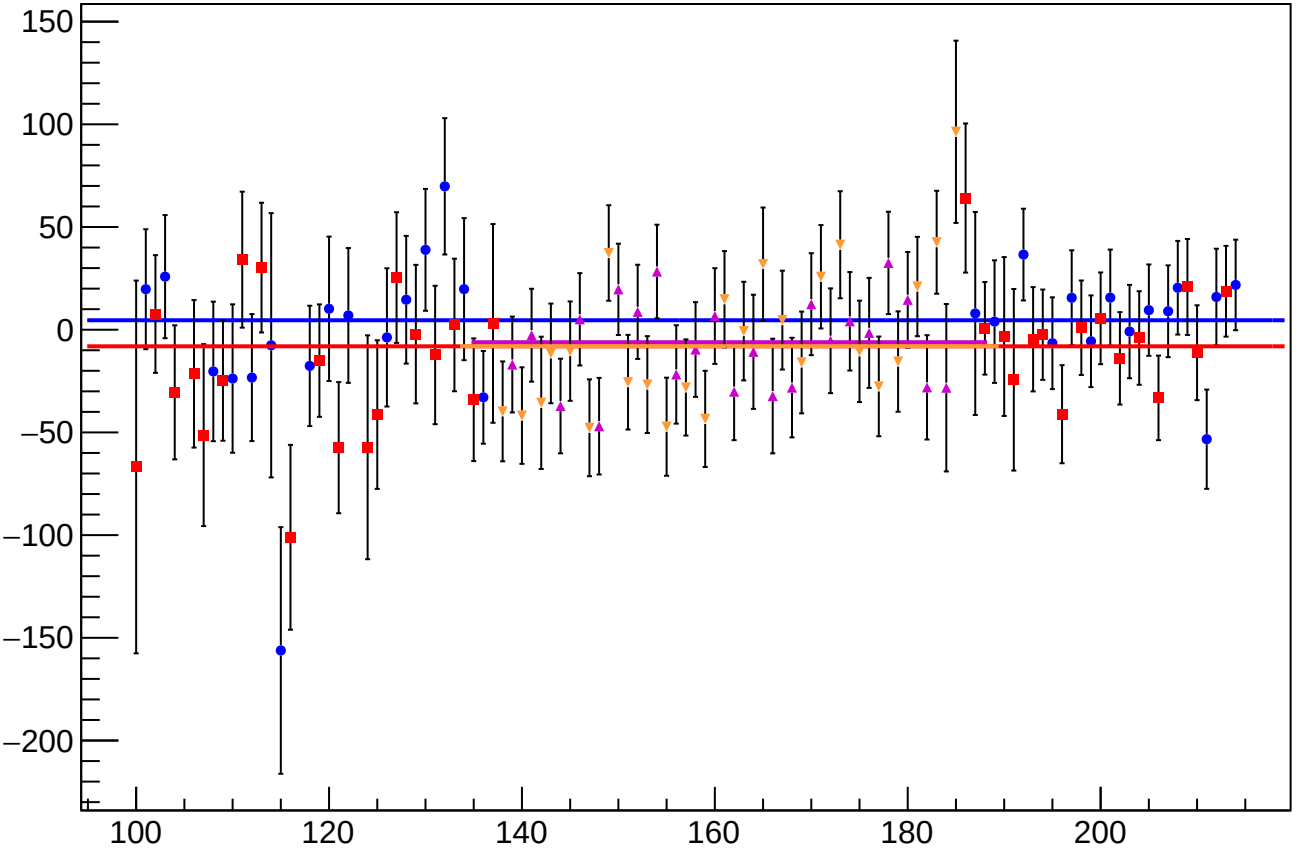
Right: 16.038+/-0.002 χ^2/NDF: 176666.0/63

In: 15.881+/-0.002 χ^2/NDF:240417.5/52

Out: 15.940+/-0.002 χ^2/NDF:269729.4/58

All: 15.911+/-0.001 χ^2/NDF: 510666.8/111

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

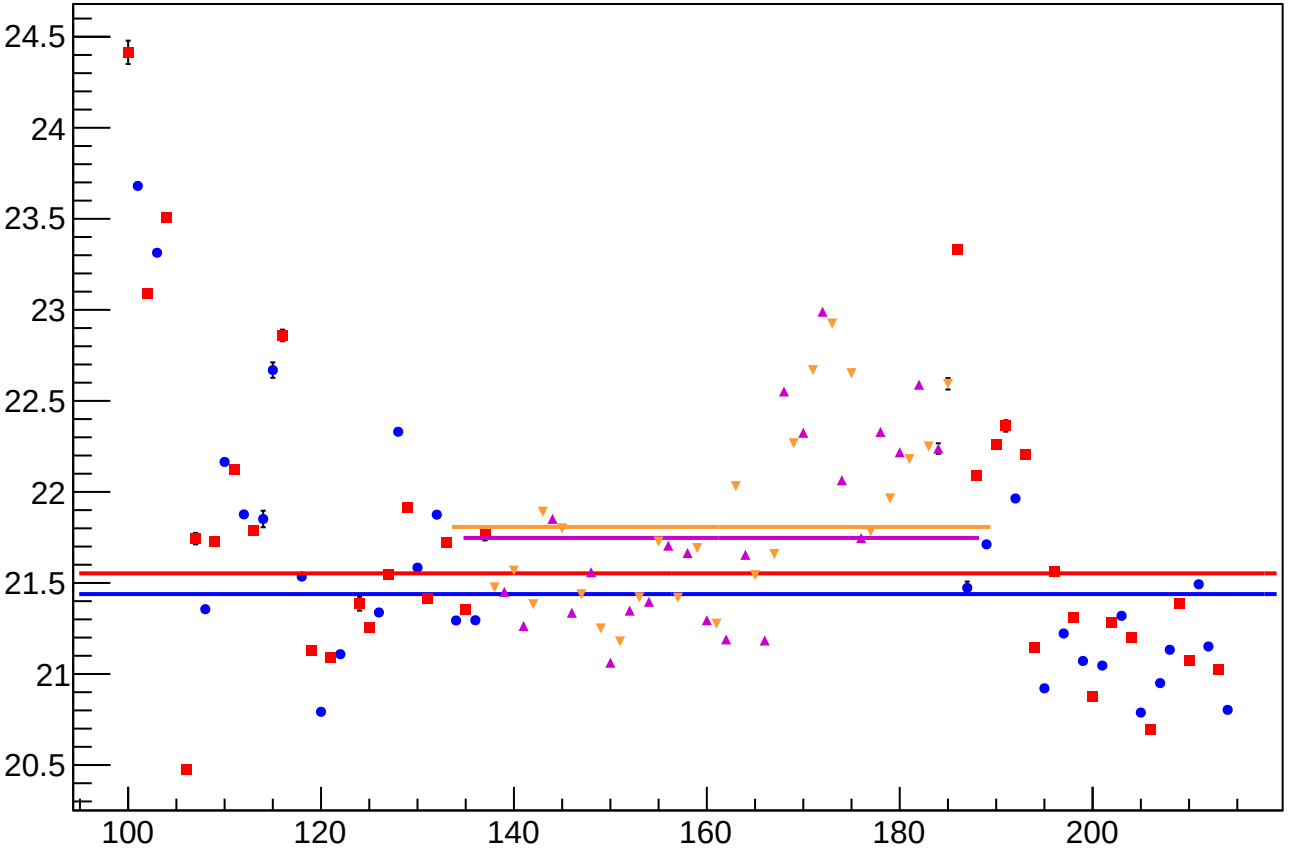
Right: -1.825+/-3.516 χ^2/NDF: 59.8/63

In: -0.665+/-3.567 χ^2/NDF:49.2/52

Out: -8.045+/-3.498 χ^2/NDF:66.4/58

All: -4.427+/-2.497 χ^2/NDF: 117.8/111

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.439+/-0.004 χ^2/NDF: 33517.8/29

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.553+/-0.003 χ^2/NDF: 38429.1/33

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

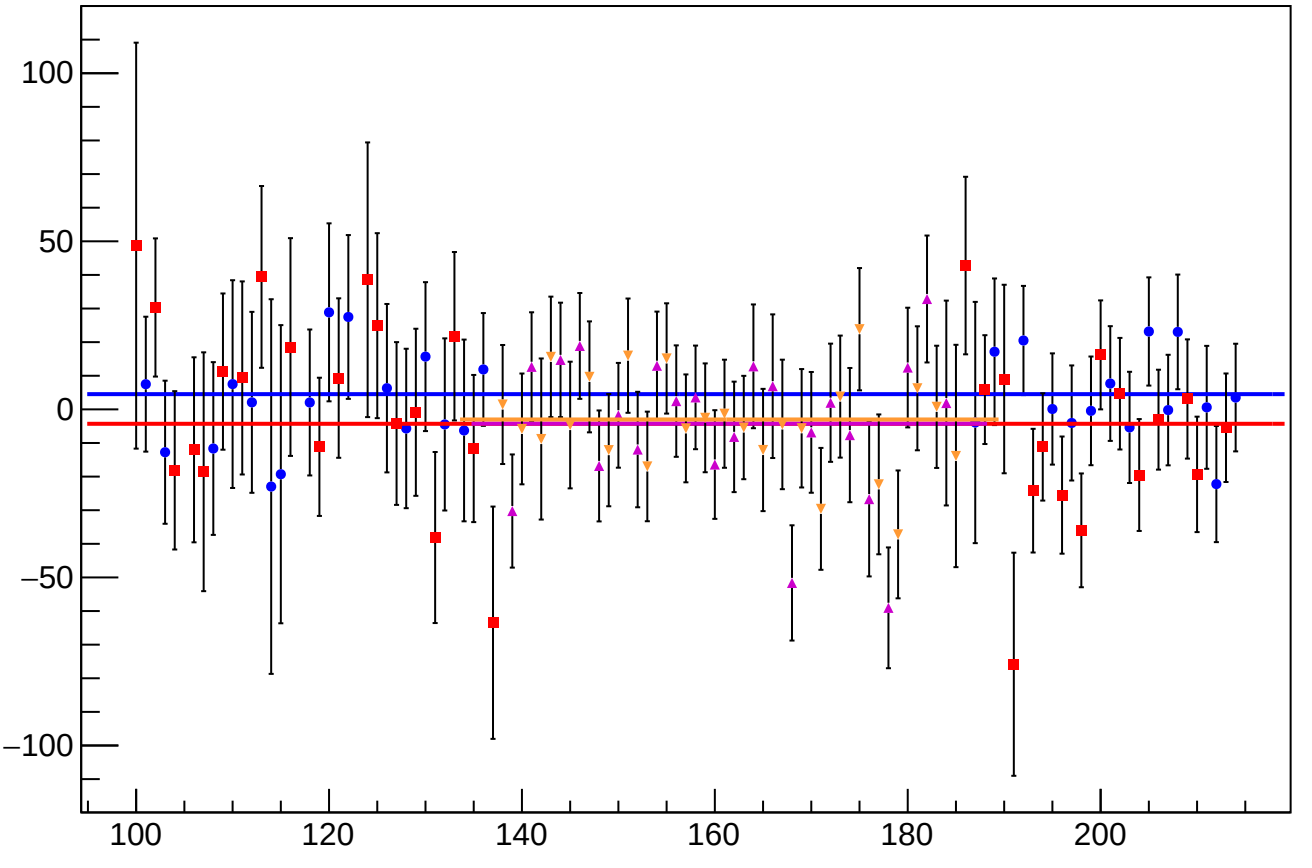
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.497+/-0.002 χ^2/NDF: 72471.9/63

In: 21.591+/-0.003 χ^2/NDF:57817.5/52

Out: 21.680+/-0.002 χ^2/NDF:58645.3/58

All: 21.636+/-0.002 χ^2/NDF: 117096.5/111



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

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

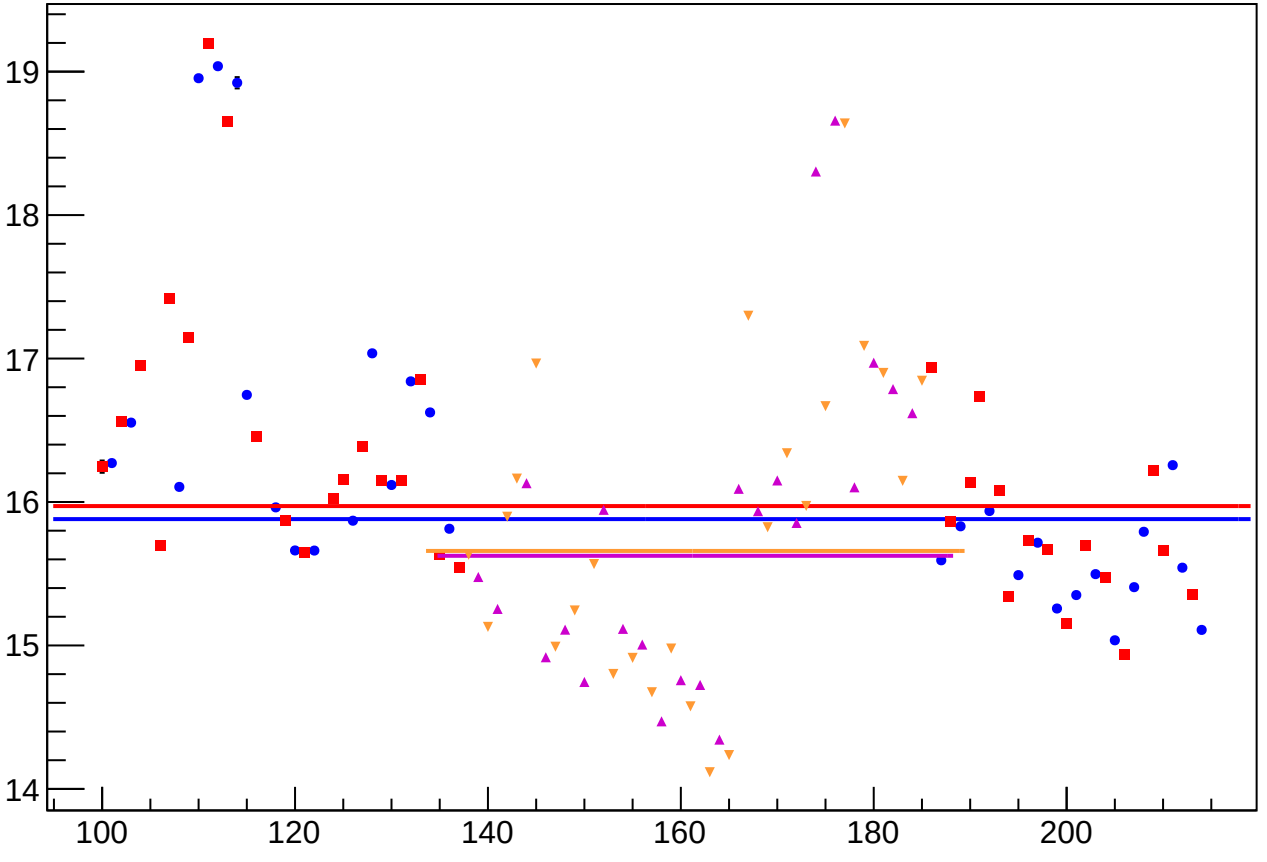
Right: 0.059+/-2.609 χ^2/NDF: 49.4/63

In: 0.076+/-2.608 χ^2/NDF:48.2/52

Out: -3.629+/-2.557 χ^2/NDF:49.7/58

All: -1.813+/-1.826 χ^2/NDF: 98.9/111

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

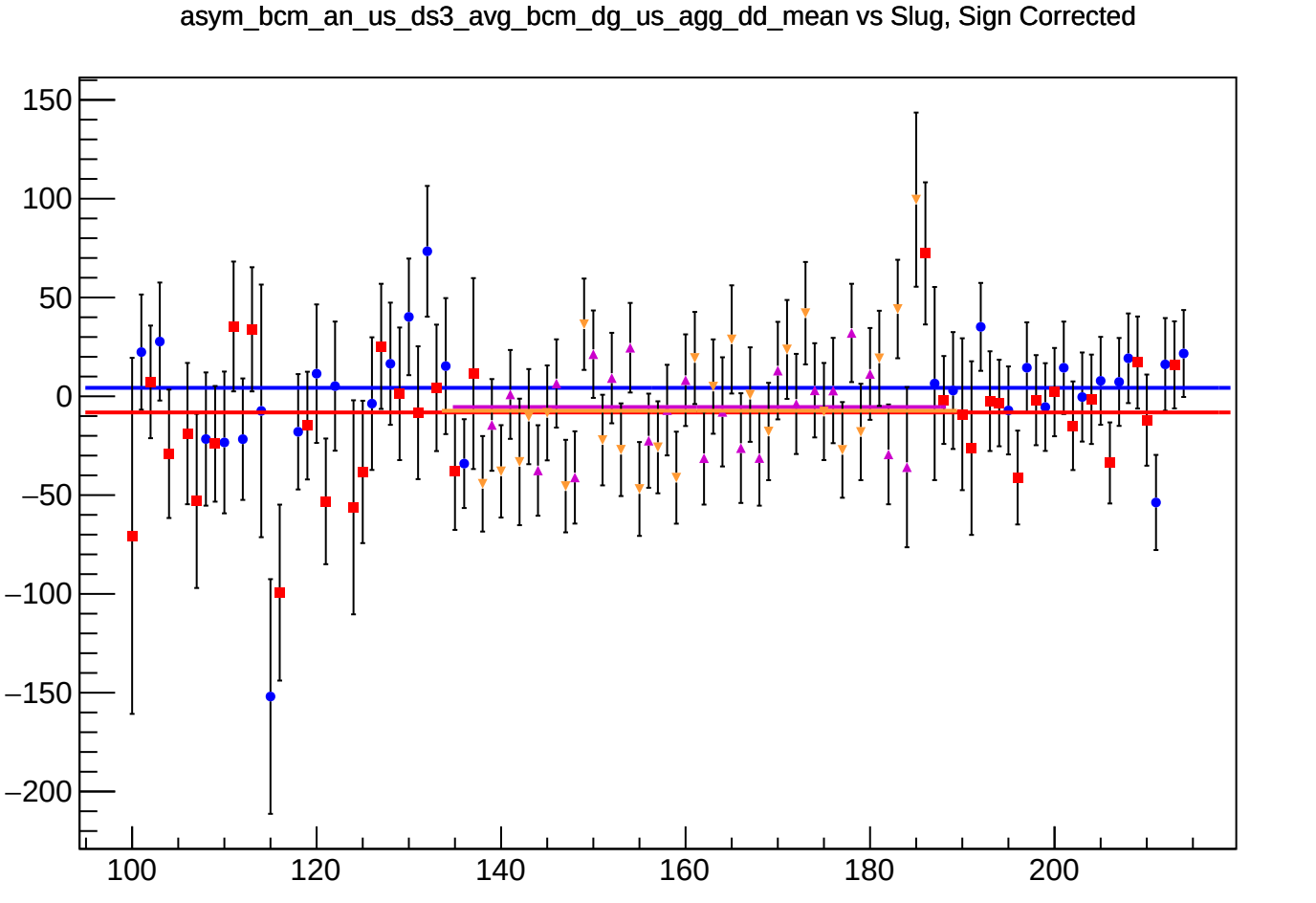
Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

Right: 15.927+/-0.002 χ^2/NDF: 180902.0/63

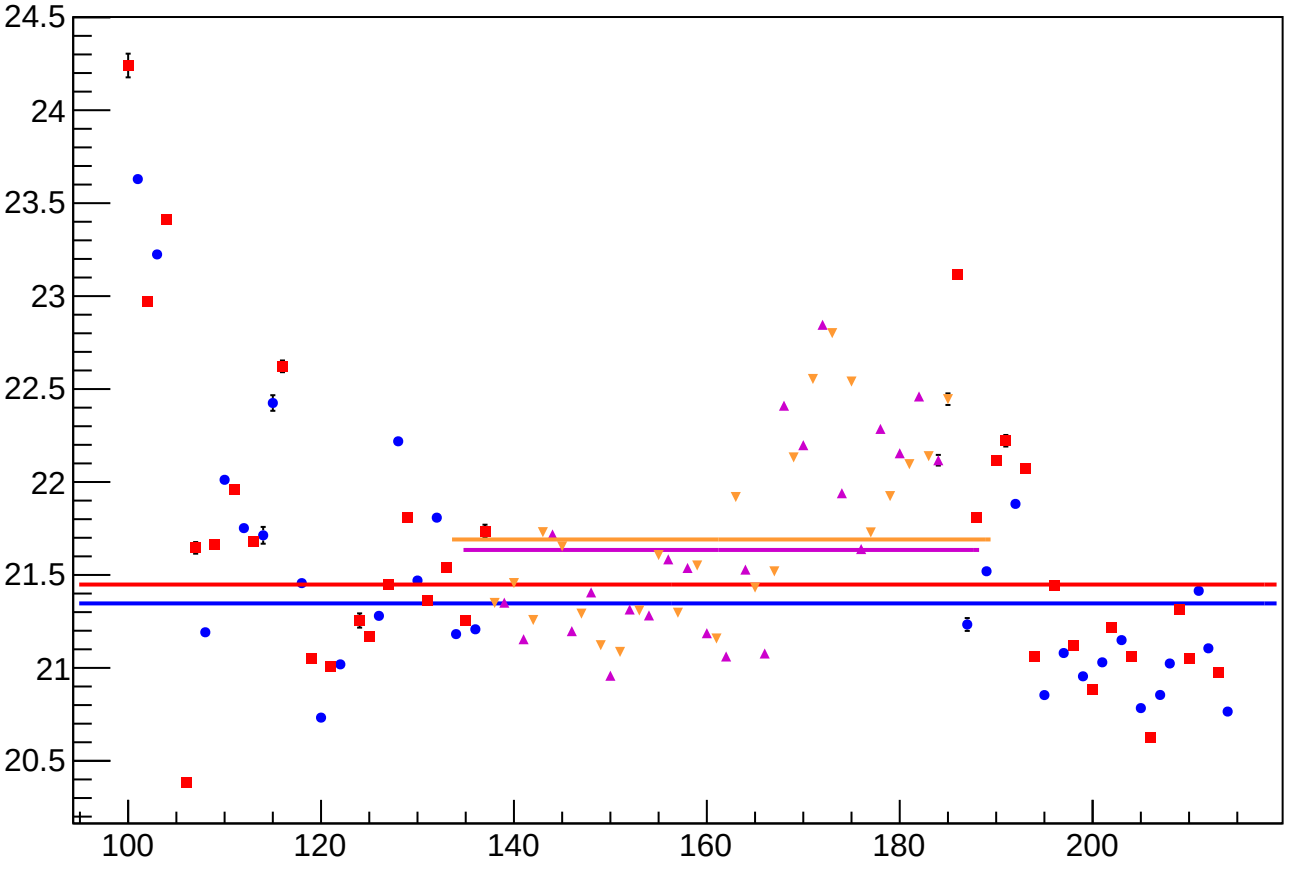
In: 15.751+/-0.002 χ^2/NDF:242746.7/52

Out: 15.811+/-0.002 χ^2/NDF:270099.3/58

All: 15.782+/-0.001 χ^2/NDF: 513388.2/111


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: 4.282+/-4.987 χ²/NDF: 29.5/29
Left Out: -7.318+/-4.929 χ²/NDF:38.6/24
Right Out: -8.169+/-4.914 χ²/NDF: 28.1/33
Left In: -5.435+/-5.054 χ²/NDF:17.3/22
Left: -6.400+/-3.529 χ²/NDF: 56.0/47
Right: -2.035+/-3.500 χ²/NDF: 60.8/63
In: -0.512+/-3.550 χ²/NDF:48.7/52
Out: -7.745+/-3.480 χ²/NDF:66.7/58
All: -4.200+/-2.485 χ²/NDF: 117.5/111

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



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

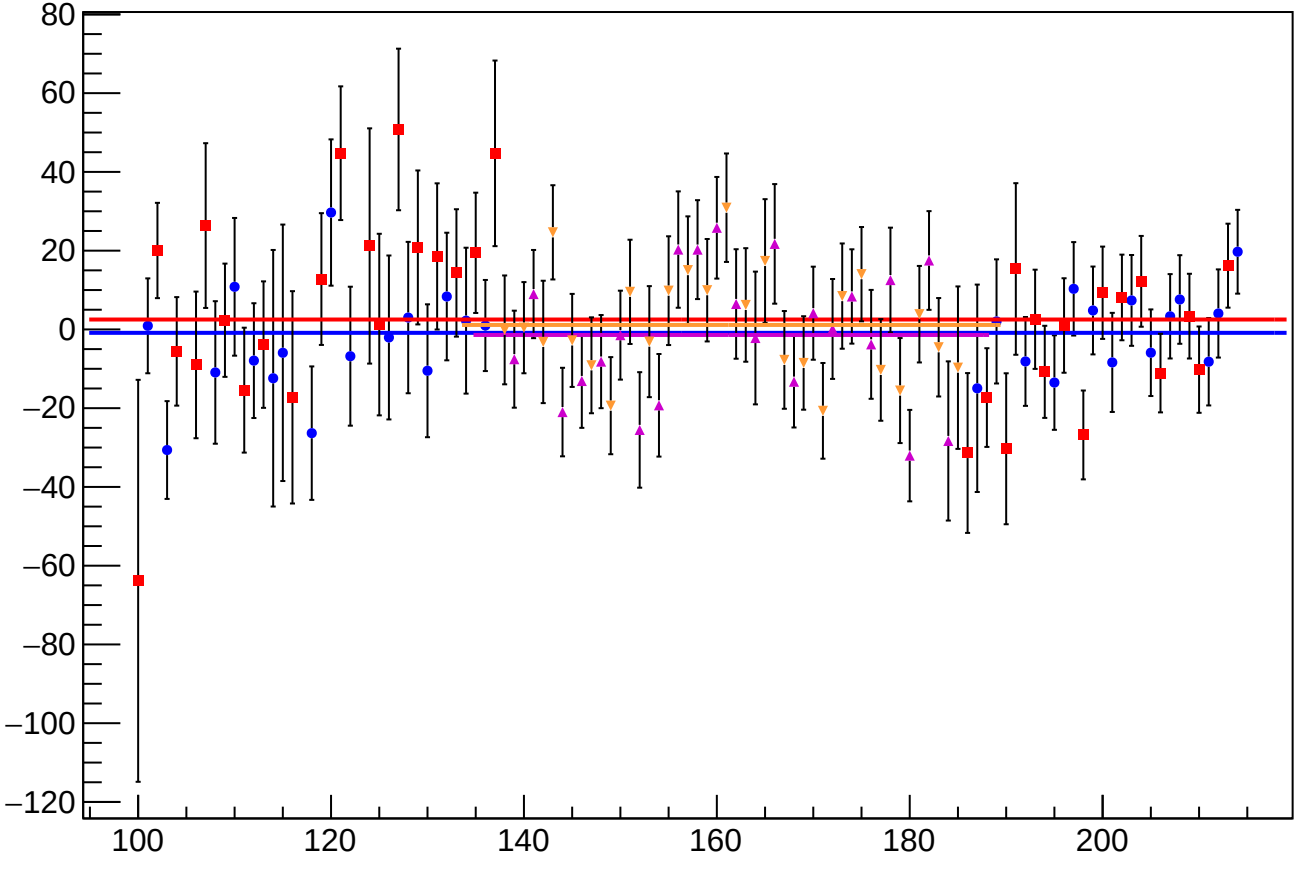
Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

Right: 21.398+/-0.002 χ^2/NDF: 68712.0/63

In: 21.489+/-0.003 χ^2/NDF:56742.9/52

Out: 21.569+/-0.002 χ^2/NDF:55754.0/58

All: 21.530+/-0.002 χ^2/NDF: 113021.2/111



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

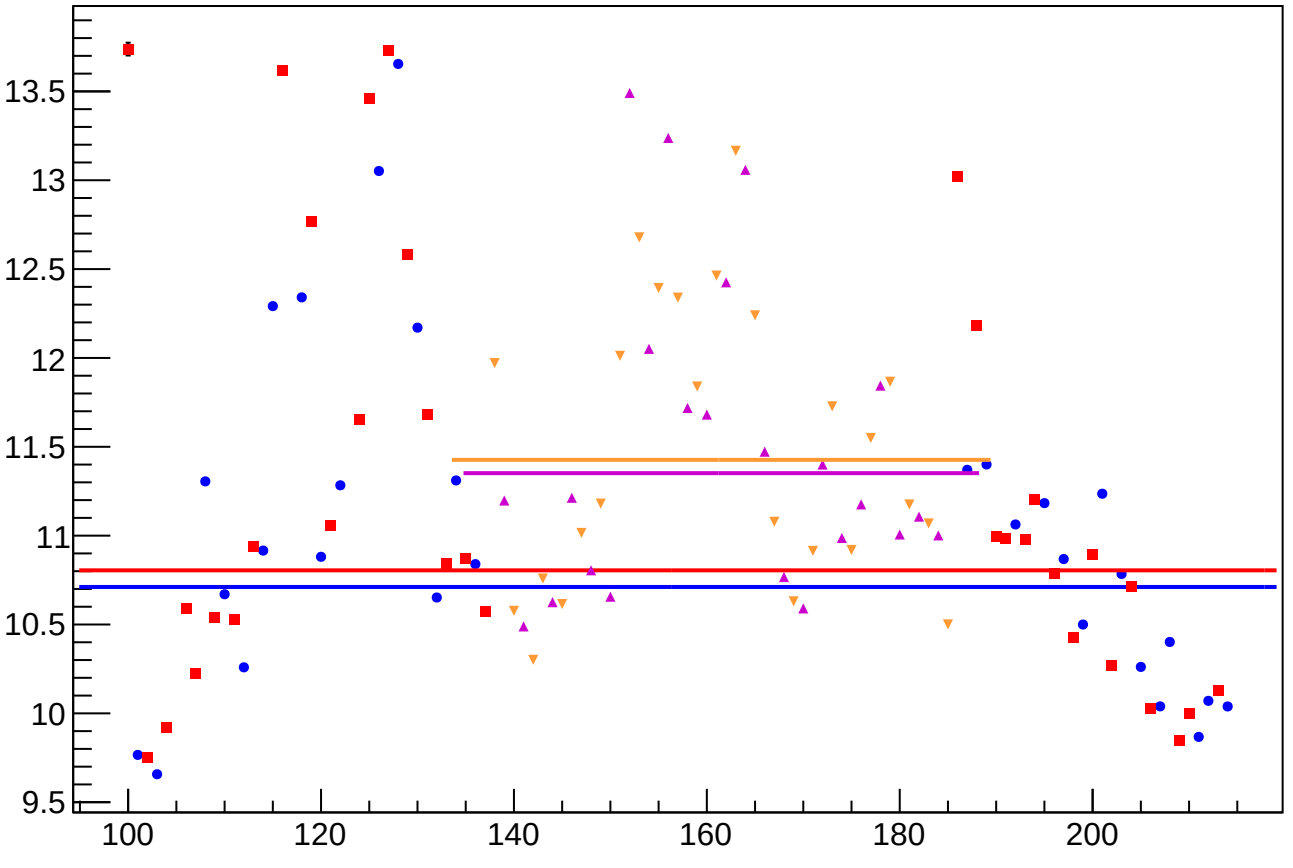
Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

Right: 0.840+/-1.772 χ^2/NDF: 72.5/63

In: -1.120+/-1.833 χ^2/NDF:58.2/52

Out: 1.860+/-1.807 χ^2/NDF:74.3/58

All: 0.392+/-1.287 χ^2/NDF: 133.9/111



Right In: 10.711+/-0.002 χ^2/NDF: 199421.5/29

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 10.805+/-0.002 χ^2/NDF: 278498.3/33

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

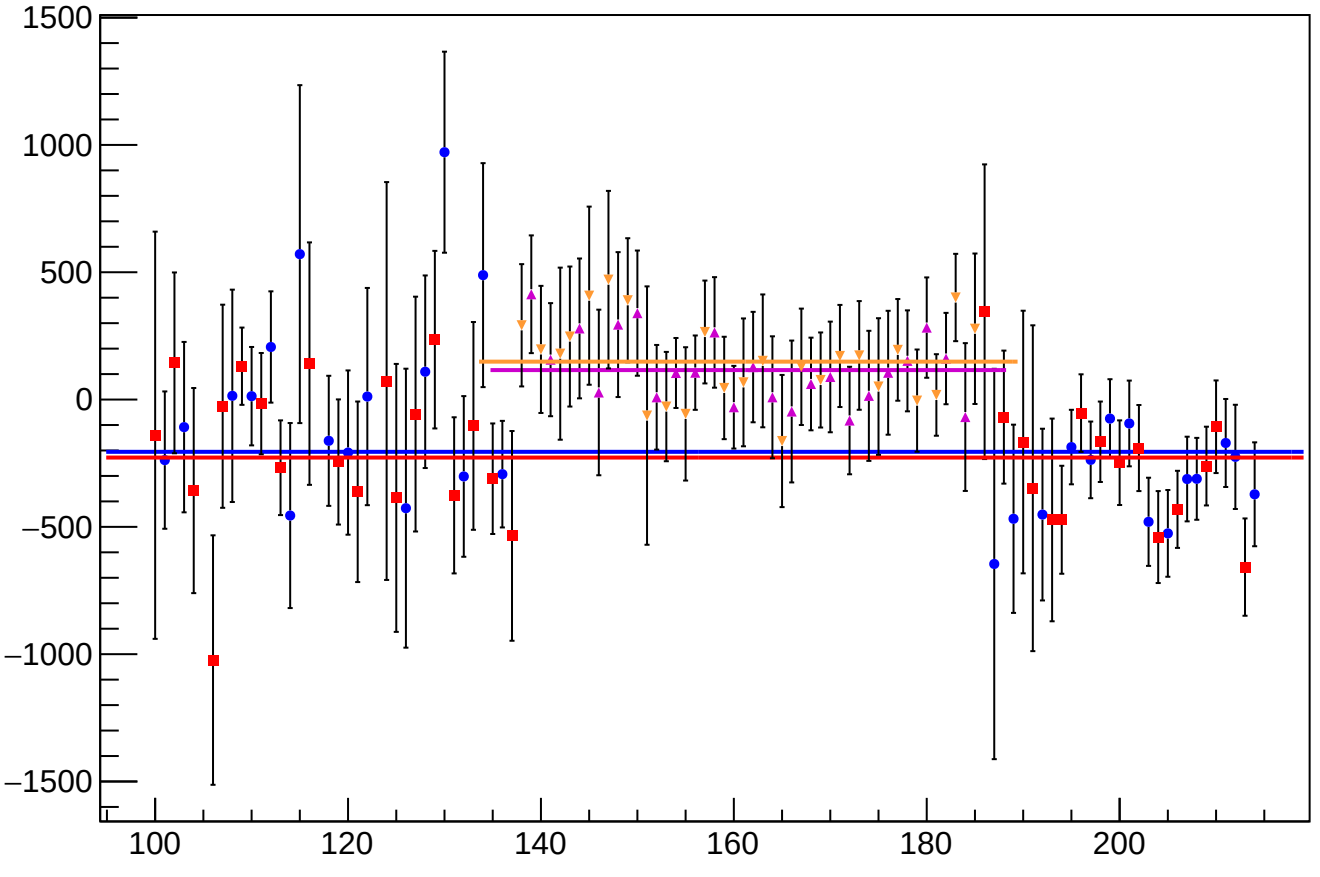
Right: 10.758+/-0.001 χ^2/NDF: 479312.5/63

In: 11.012+/-0.001 χ^2/NDF:430791.6/52

Out: 11.100+/-0.001 χ^2/NDF:494537.0/58

All: 11.057+/-0.001 χ^2/NDF: 927671.5/111

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



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

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

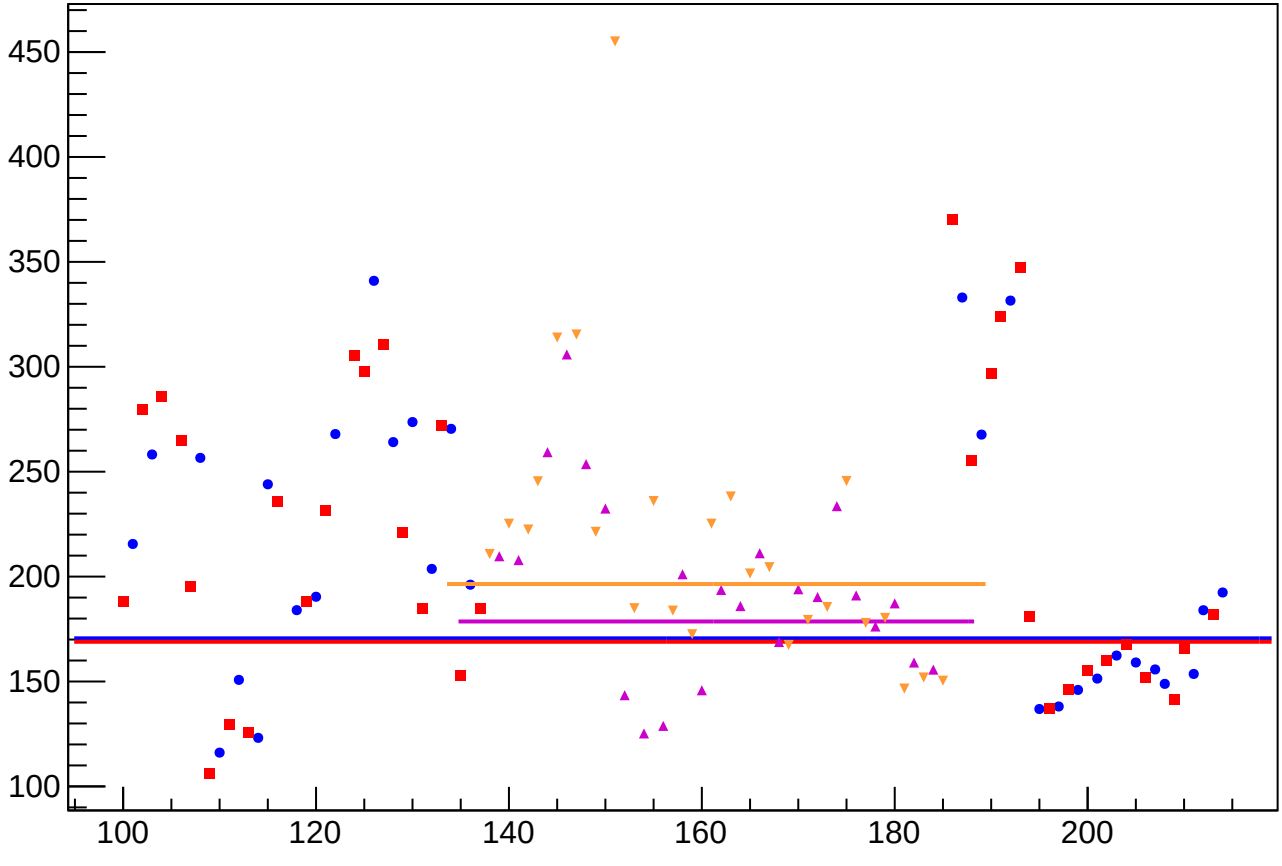
Right: -216.672+/-29.160 χ^2/NDF: 60.0/63

In: -52.906+/-30.068 χ^2/NDF:66.3/52

Out: -62.283+/-30.694 χ^2/NDF:77.4/58

All: -57.497+/-21.479 χ^2/NDF: 143.7/111

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



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

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

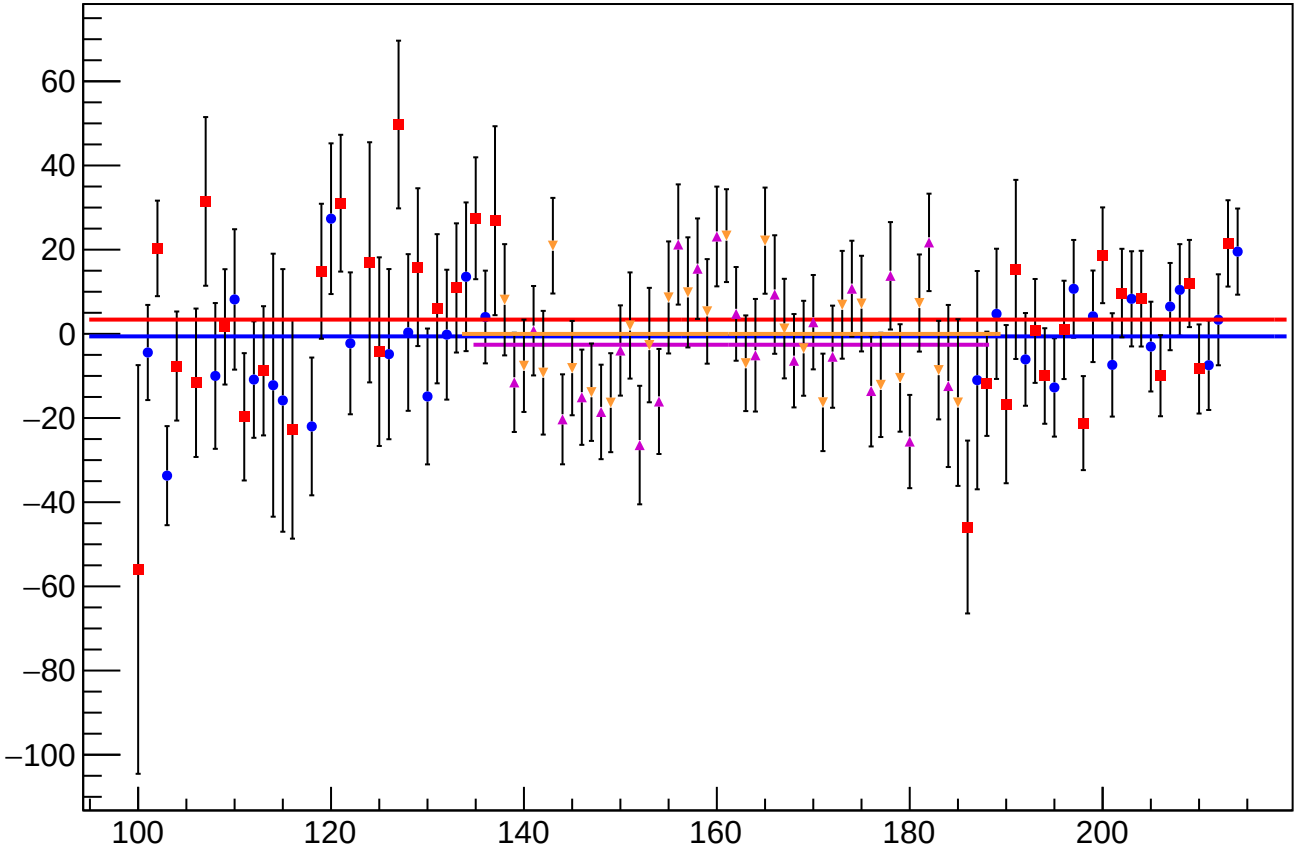
Right: 169.750+/-0.021 χ^2/NDF: 5322455.7/63

In: 174.390+/-0.021 χ^2/NDF:4026743.3/52

Out: 181.032+/-0.022 χ^2/NDF:5223121.2/58

All: 177.643+/-0.015 χ^2/NDF: 9297658.0/11

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



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

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

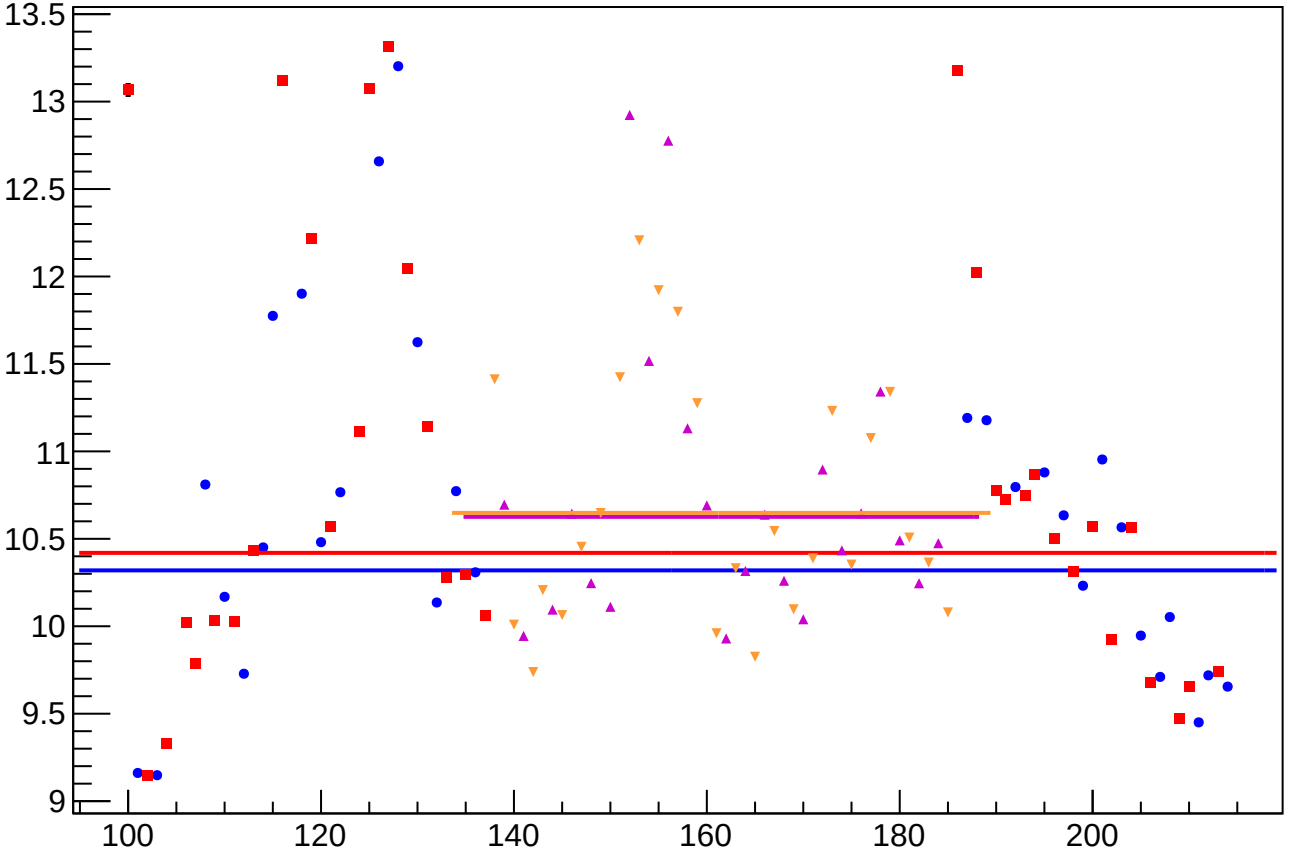
Right: 1.406+/-1.710 χ^2/NDF: 75.5/63

In: -1.567+/-1.744 χ^2/NDF:60.1/52

Out: 1.708+/-1.716 χ^2/NDF:73.9/58

All: 0.097+/-1.223 χ^2/NDF: 135.8/111

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



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

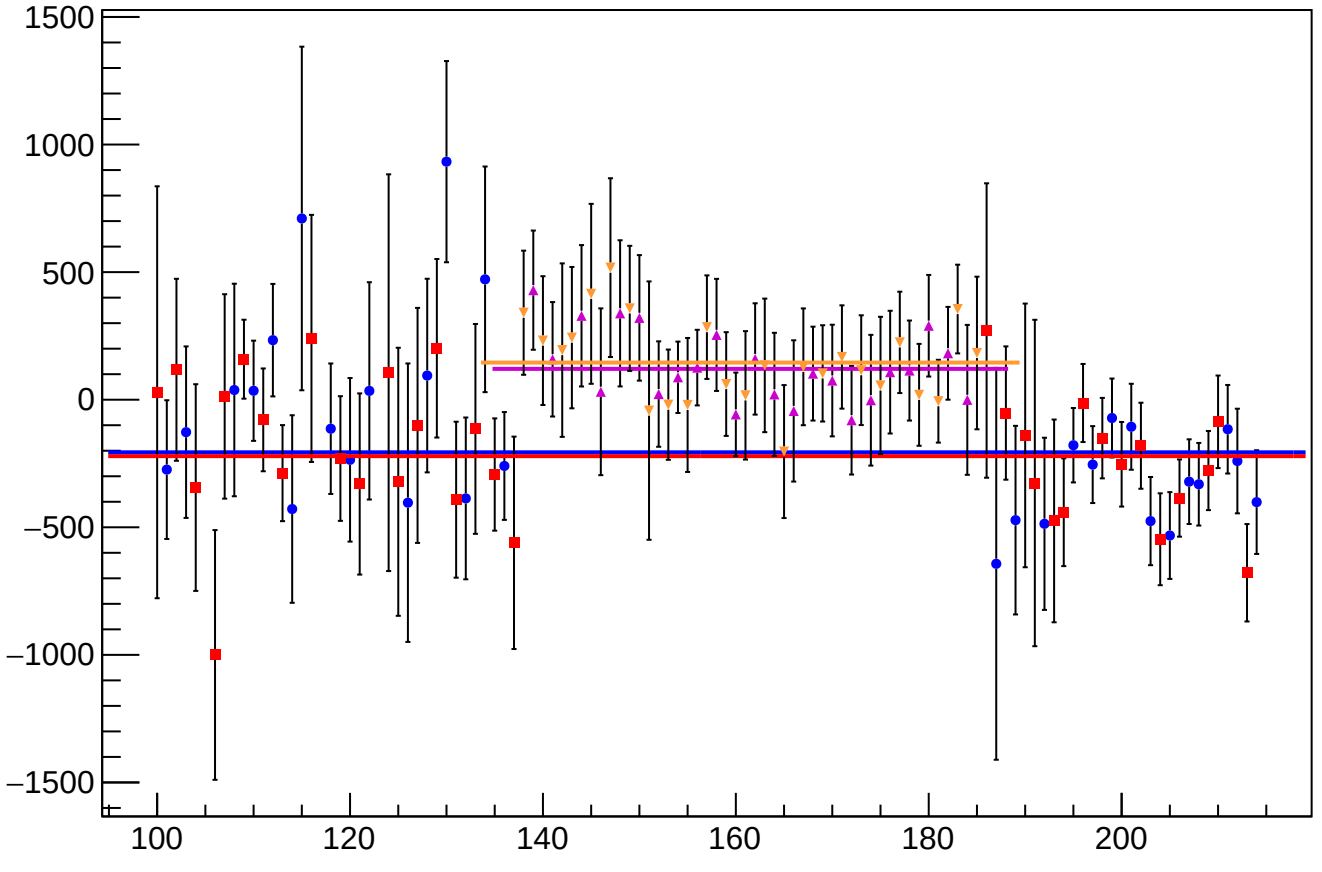
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.370+/-0.001 χ^2/NDF: 542463.9/63

In: 10.468+/-0.001 χ^2/NDF:398398.9/52

Out: 10.532+/-0.001 χ^2/NDF:469693.7/58

All: 10.501+/-0.001 χ^2/NDF: 869480.7/111



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

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

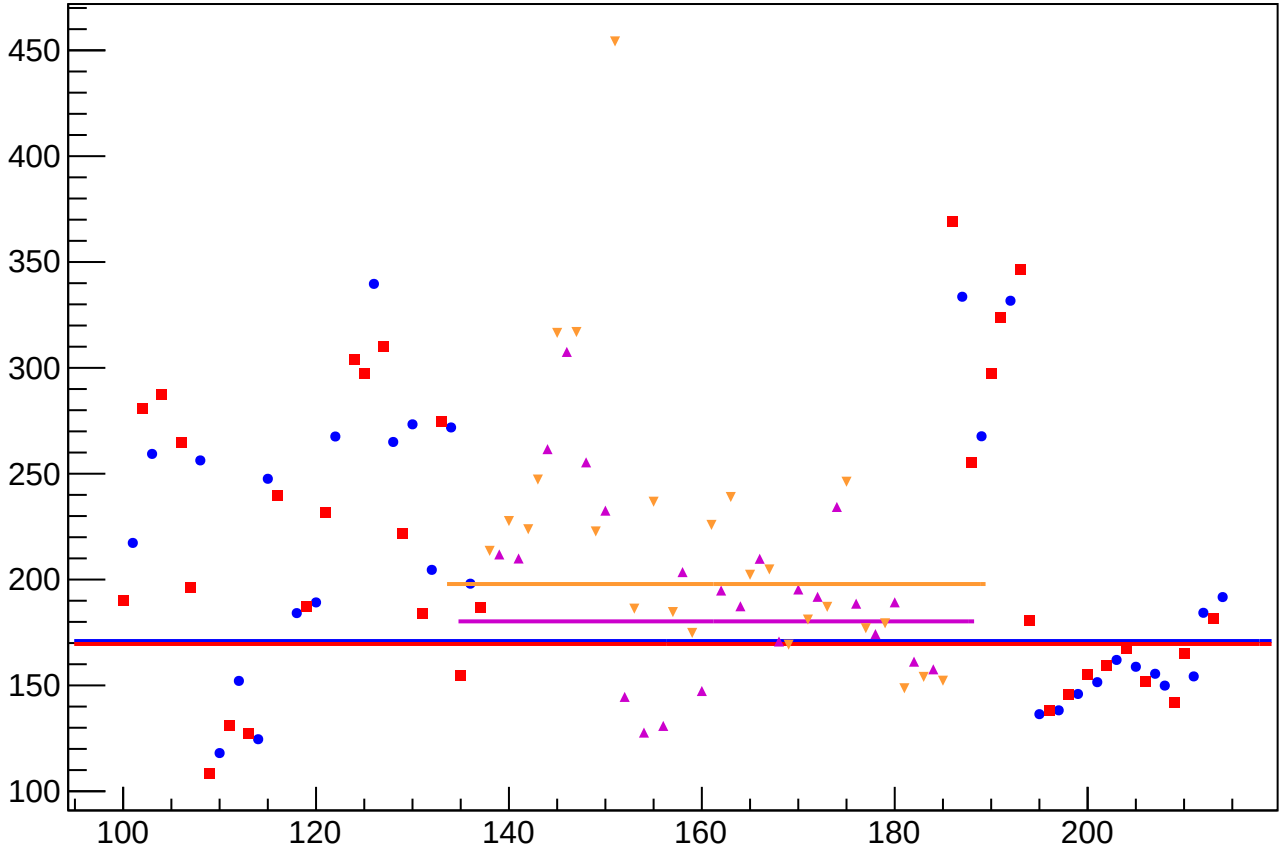
Right: -213.818+/-29.230 χ^2/NDF: 61.9/63

In: -51.936+/-30.215 χ^2/NDF:69.1/52

Out: -60.765+/-30.832 χ^2/NDF:75.3/58

All: -56.261+/-21.580 χ^2/NDF: 144.5/111

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

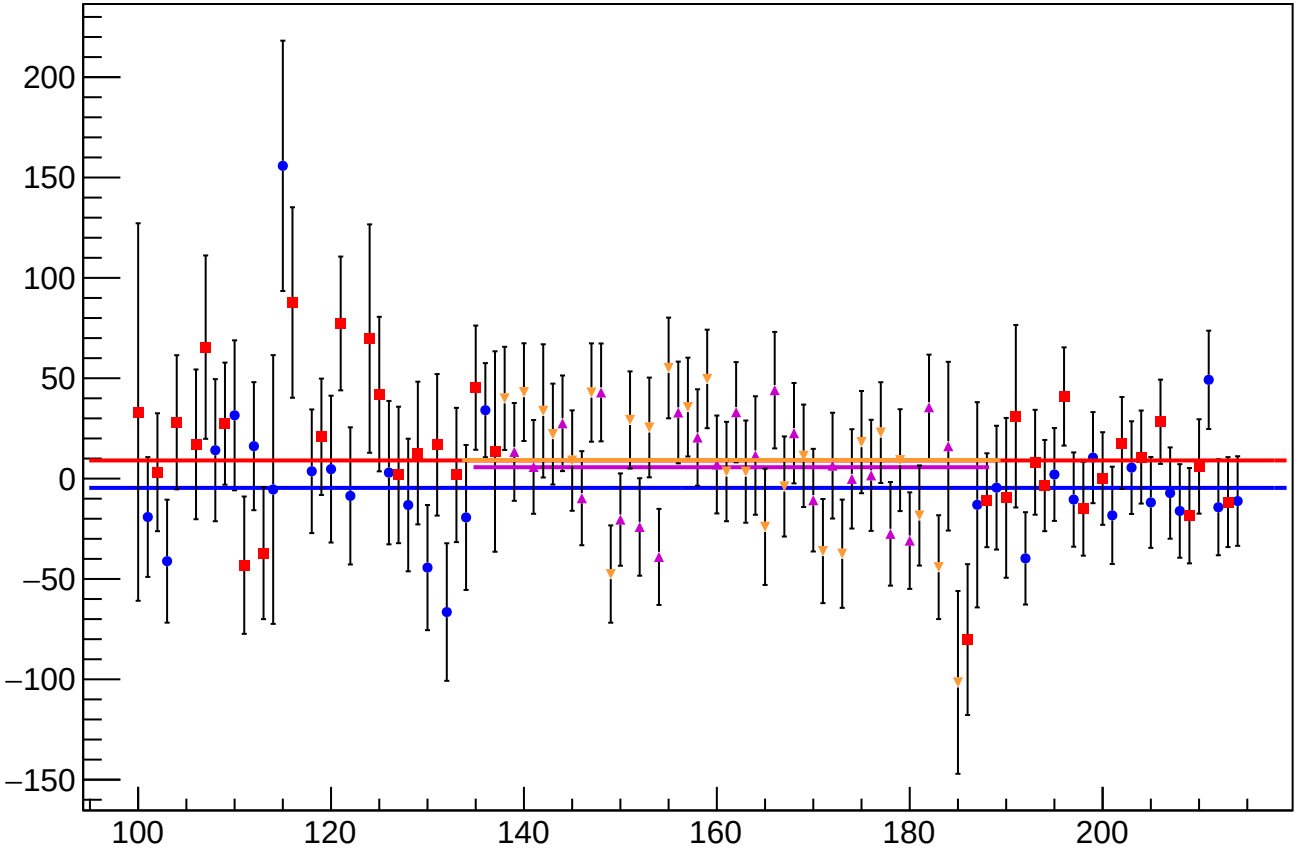
Right: 170.256+/-0.021 χ^2/NDF: 5259753.9/63

In: 175.338+/-0.021 χ^2/NDF:3977165.3/52

Out: 181.962+/-0.022 χ^2/NDF:5160405.3/58

All: 178.583+/-0.015 χ^2/NDF: 9184670.4/11

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.626+/-5.152 χ^2/NDF: 26.9/29

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 9.045+/-5.091 χ^2/NDF: 30.4/33

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

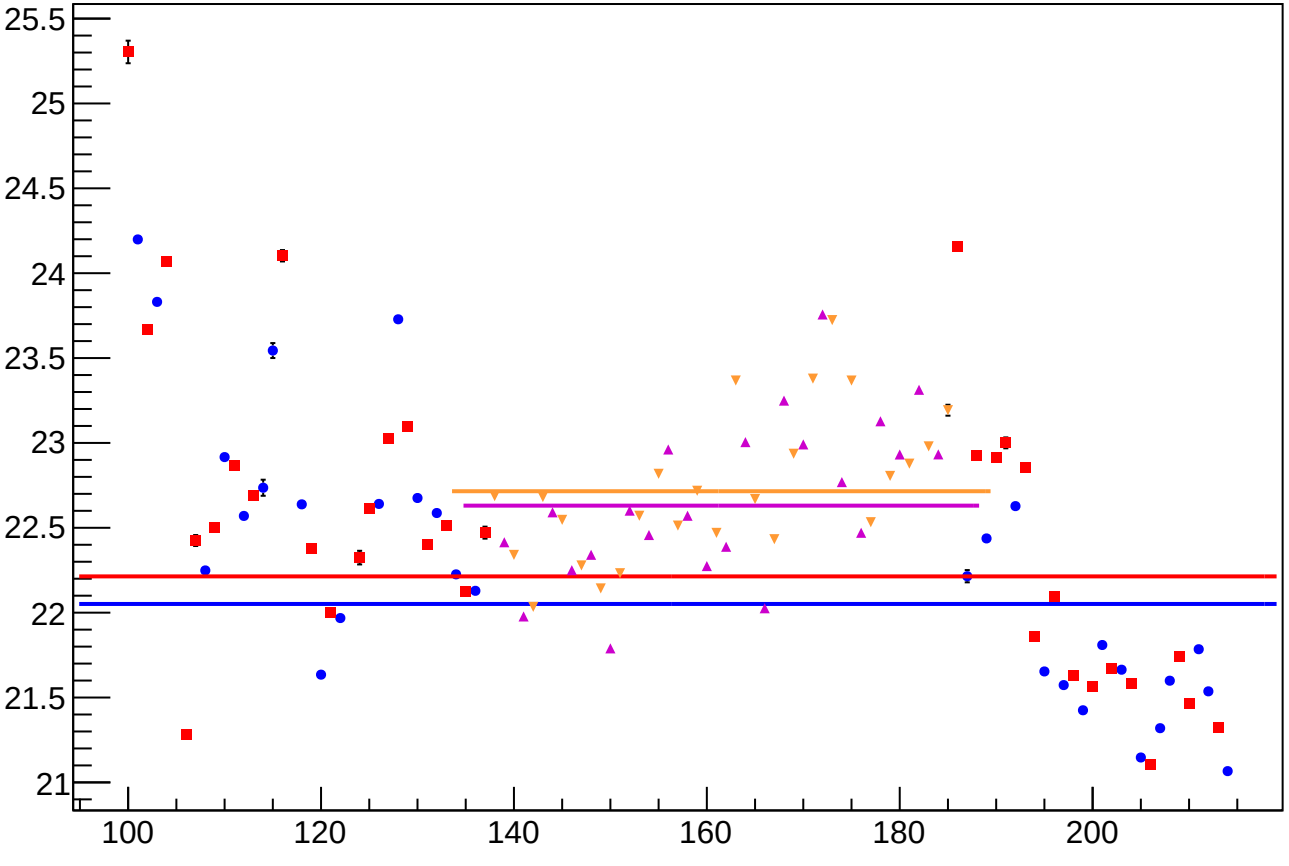
Right: 2.292+/-3.621 χ^2/NDF: 60.8/63

In: 0.389+/-3.690 χ^2/NDF:49.6/52

Out: 9.138+/-3.625 χ^2/NDF:69.9/58

All: 4.841+/-2.586 χ^2/NDF: 122.3/111

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

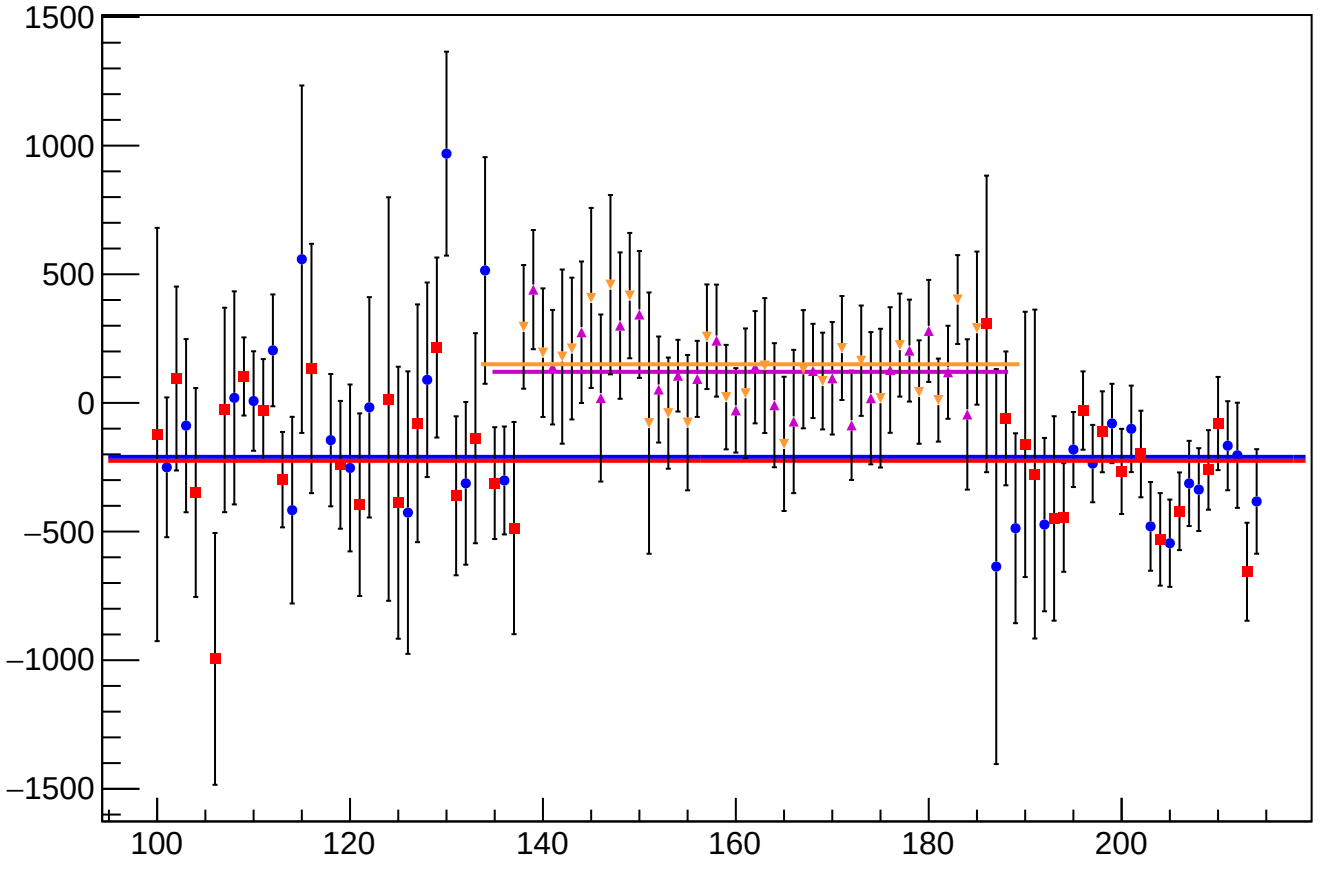
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.133+/-0.003 χ^2/NDF: 94817.8/63

In: 22.333+/-0.003 χ^2/NDF:72267.2/52

Out: 22.461+/-0.003 χ^2/NDF:71011.5/58

All: 22.398+/-0.002 χ^2/NDF: 144495.8/111



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

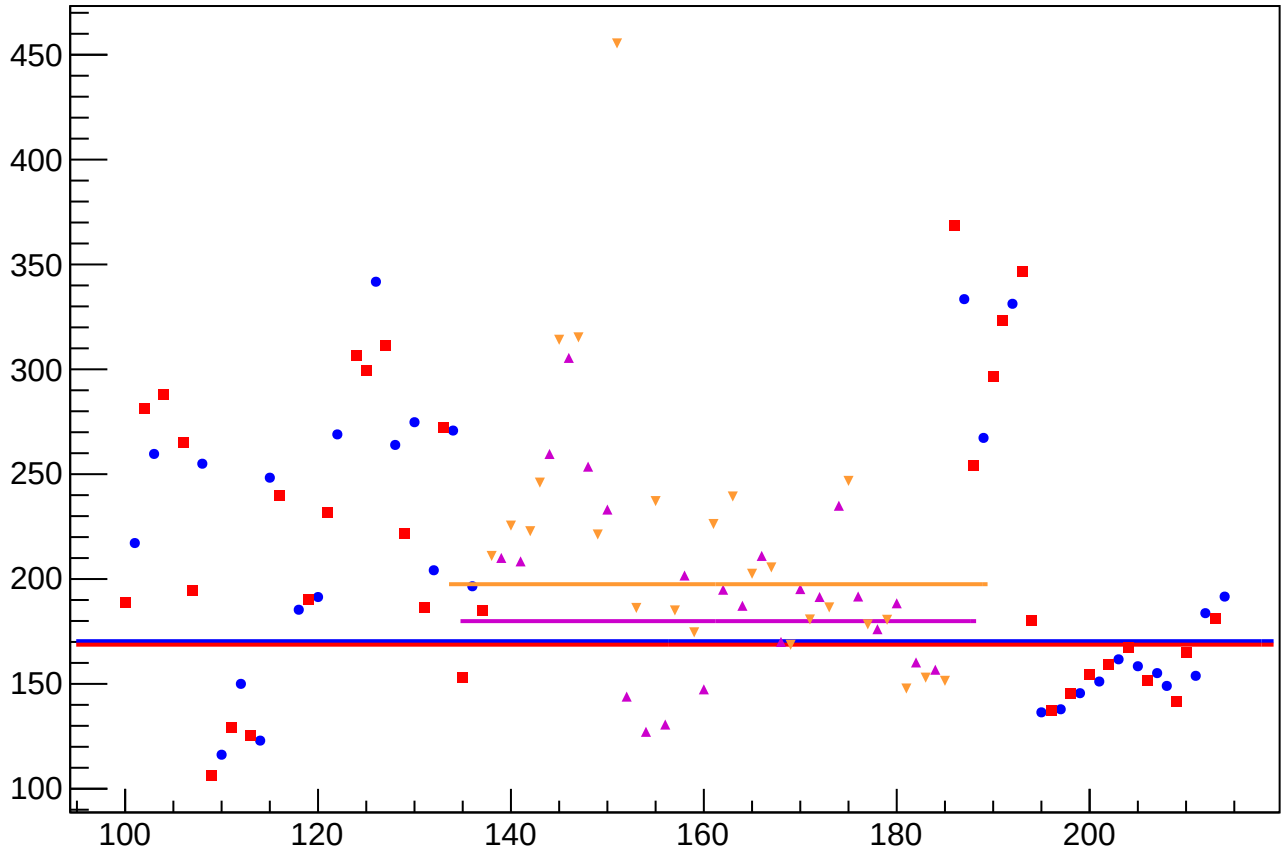
Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

Right: -217.432+/-29.127 χ^2/NDF: 59.0/63

In: -53.986+/-30.144 χ^2/NDF:68.5/52

Out: -61.320+/-30.739 χ^2/NDF:75.8/58

All: -57.581+/-21.522 χ^2/NDF: 144.4/111



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

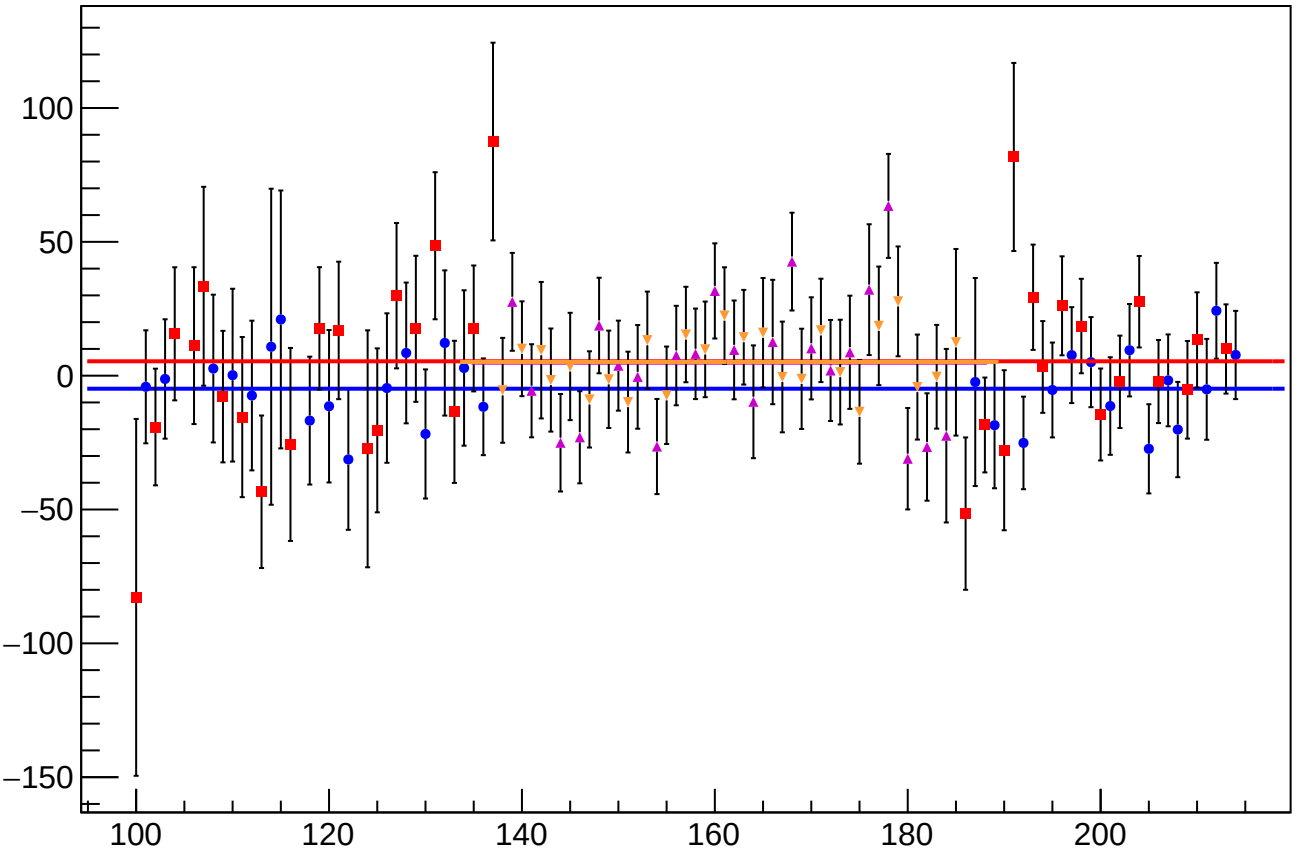
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 169.524+/-0.021 χ^2/NDF: 5363722.3/63

In: 174.868+/-0.021 χ^2/NDF:4008230.9/52

Out: 181.282+/-0.022 χ^2/NDF:5250764.7/58

All: 178.012+/-0.015 χ^2/NDF: 9303386.9/111



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

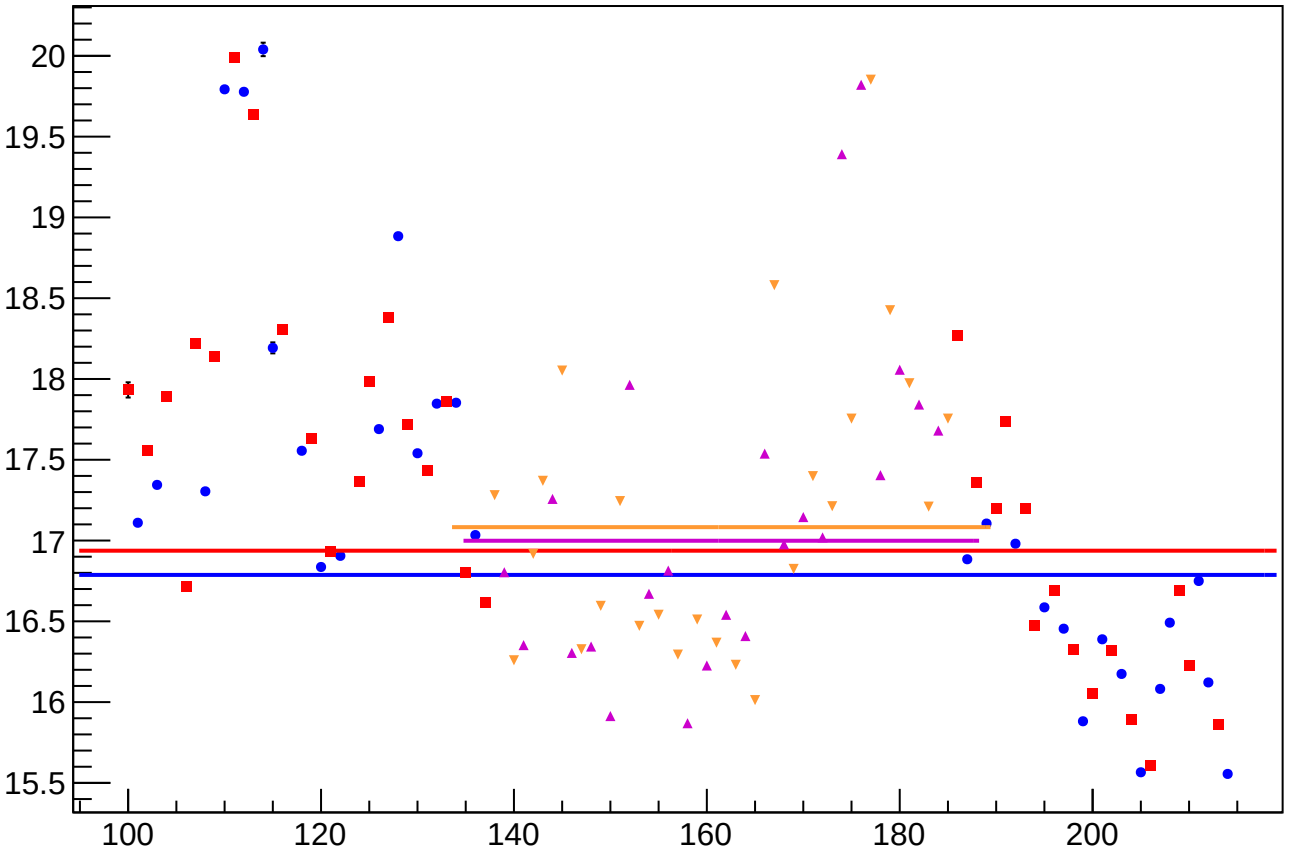
Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

Right: 0.307+/-2.763 χ^2/NDF: 54.1/63

In: -0.069+/-2.796 χ^2/NDF:50.9/52

Out: 5.247+/-2.750 χ^2/NDF:46.3/58

All: 2.634+/-1.961 χ^2/NDF: 99.0/111



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

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

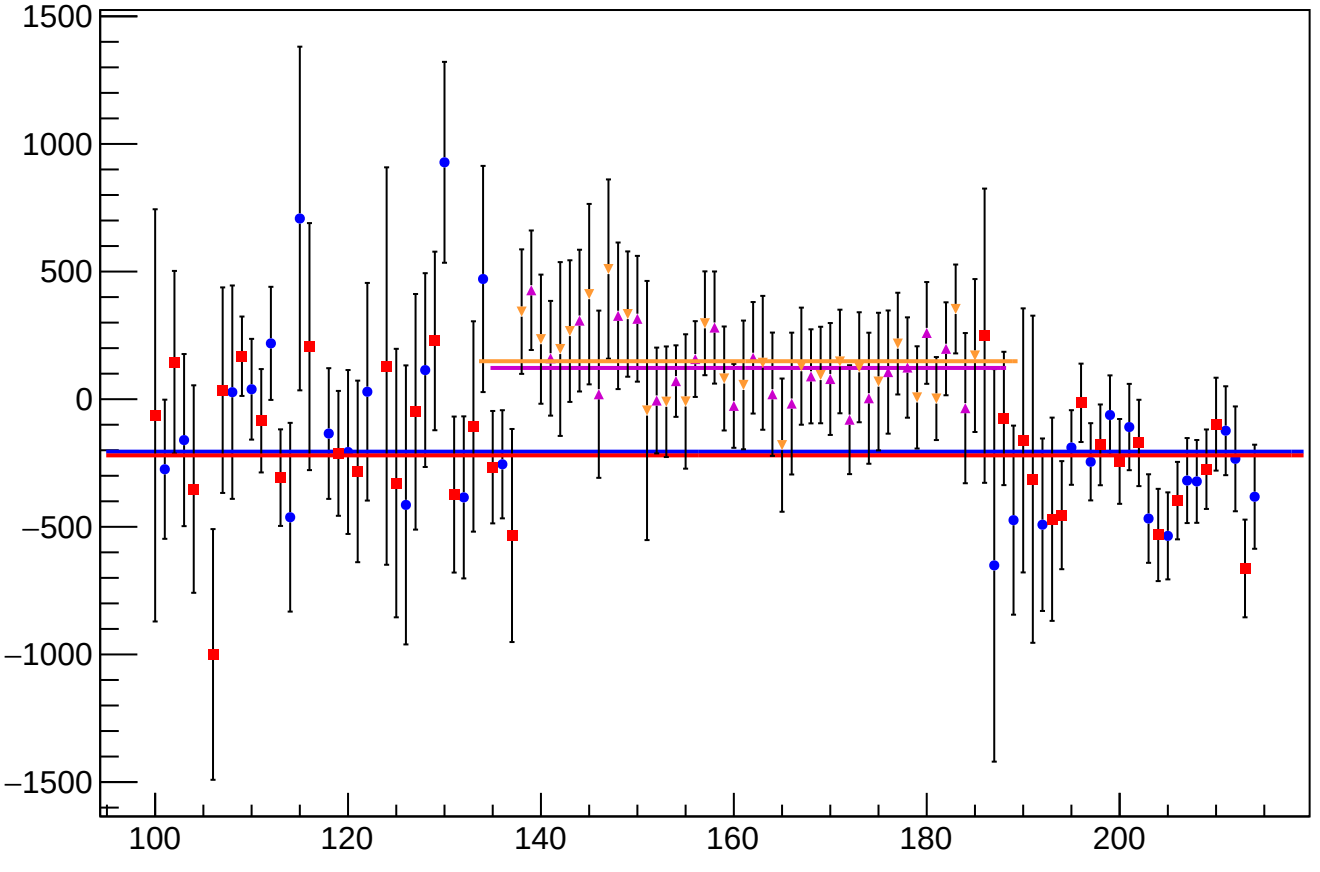
Right: 16.863+/-0.002 χ^2/NDF: 238491.0/63

In: 16.892+/-0.002 χ^2/NDF:221743.7/52

Out: 17.010+/-0.002 χ^2/NDF:220335.6/58

All: 16.952+/-0.001 χ^2/NDF: 443901.3/111

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

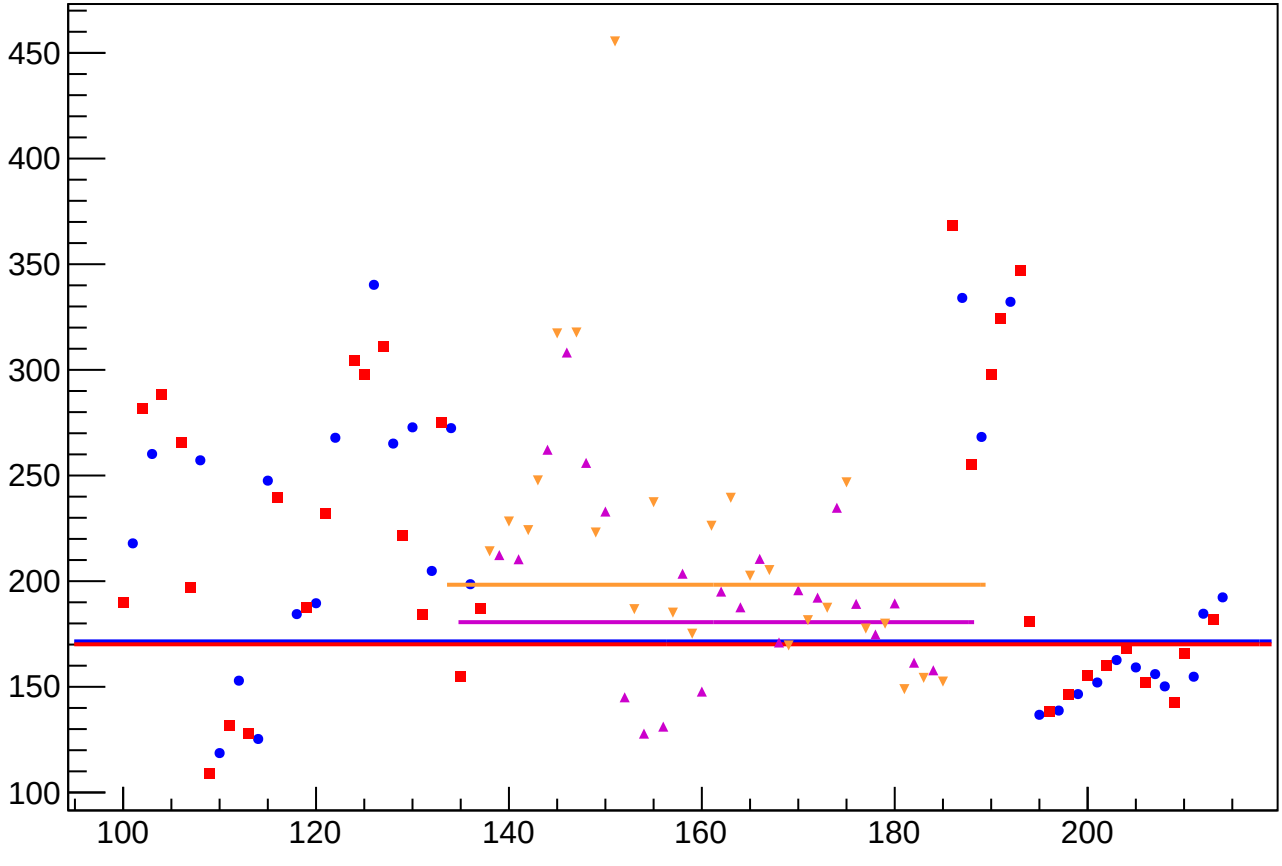
Right: -212.914+/-29.318 χ^2/NDF: 60.7/63

In: -50.707+/-30.291 χ^2/NDF:68.1/52

Out: -58.576+/-30.913 χ^2/NDF:74.2/58

All: -54.562+/-21.636 χ^2/NDF: 142.3/111

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

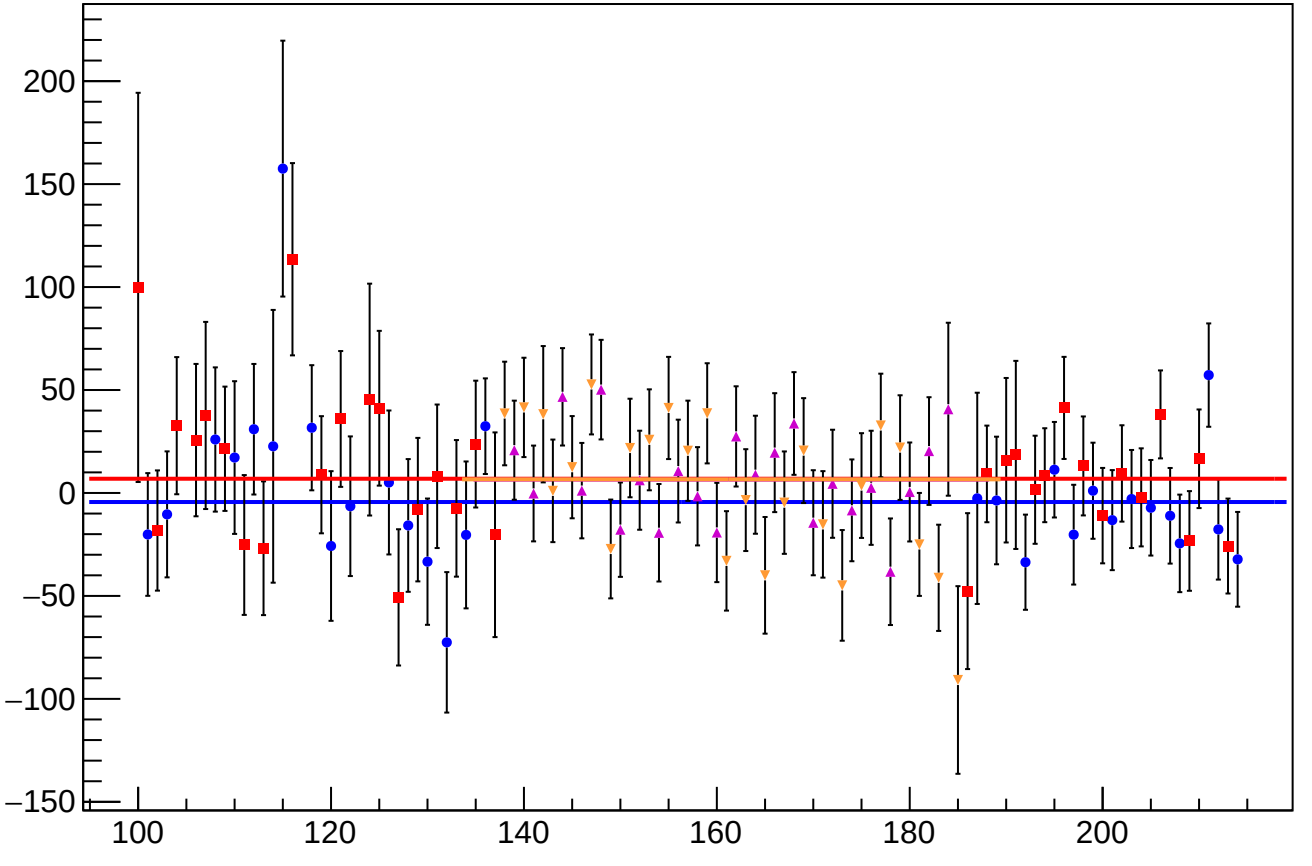
Right: 170.804+/-0.021 χ^2/NDF: 5228988.2/63

In: 175.798+/-0.021 χ^2/NDF:3962546.1/52

Out: 182.468+/-0.022 χ^2/NDF:5138078.1/58

All: 179.065+/-0.015 χ^2/NDF: 9148129.0/11

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

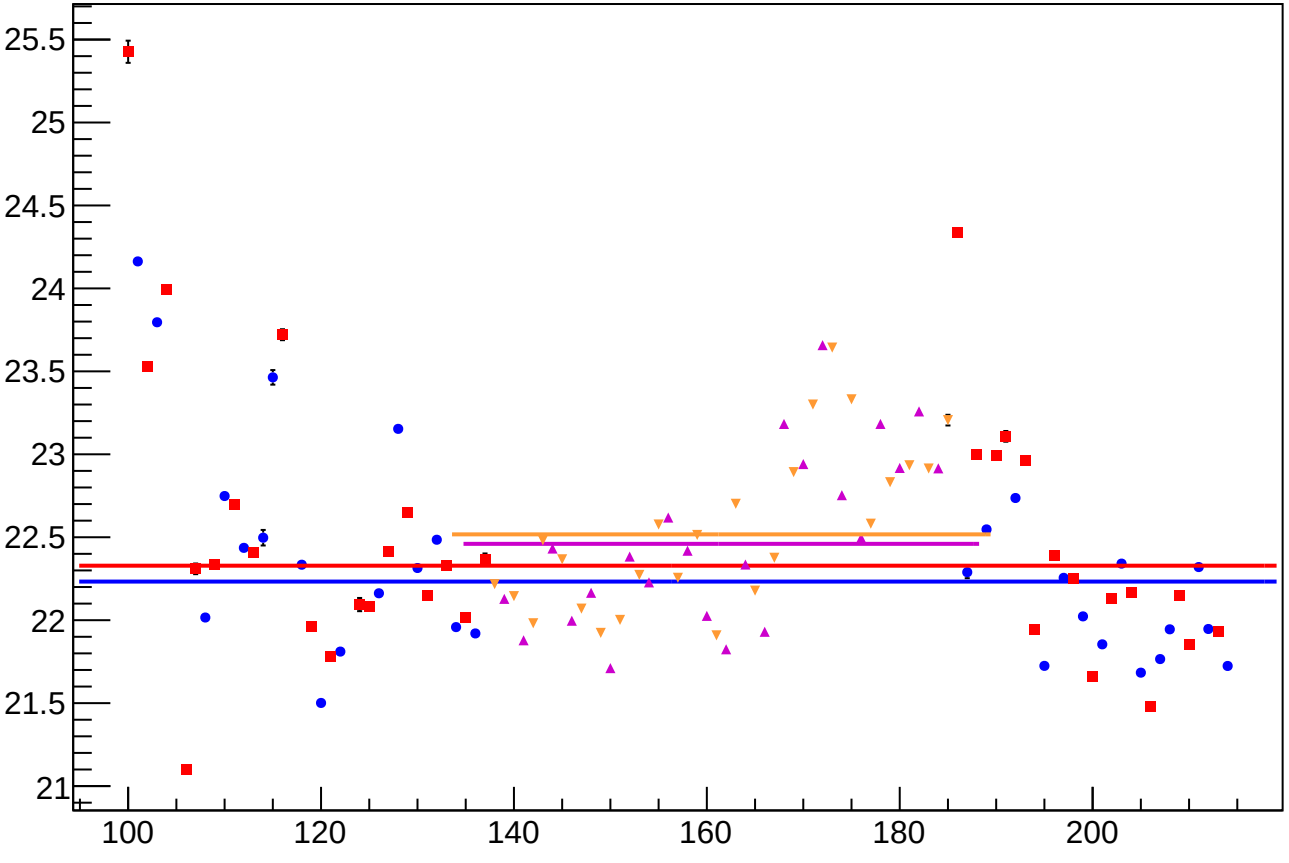
Right: 1.342+/-3.645 χ^2/NDF: 60.3/63

In: 0.987+/-3.691 χ^2/NDF:50.1/52

Out: 6.761+/-3.618 χ^2/NDF:64.3/58

All: 3.932+/-2.584 χ^2/NDF: 115.6/111

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

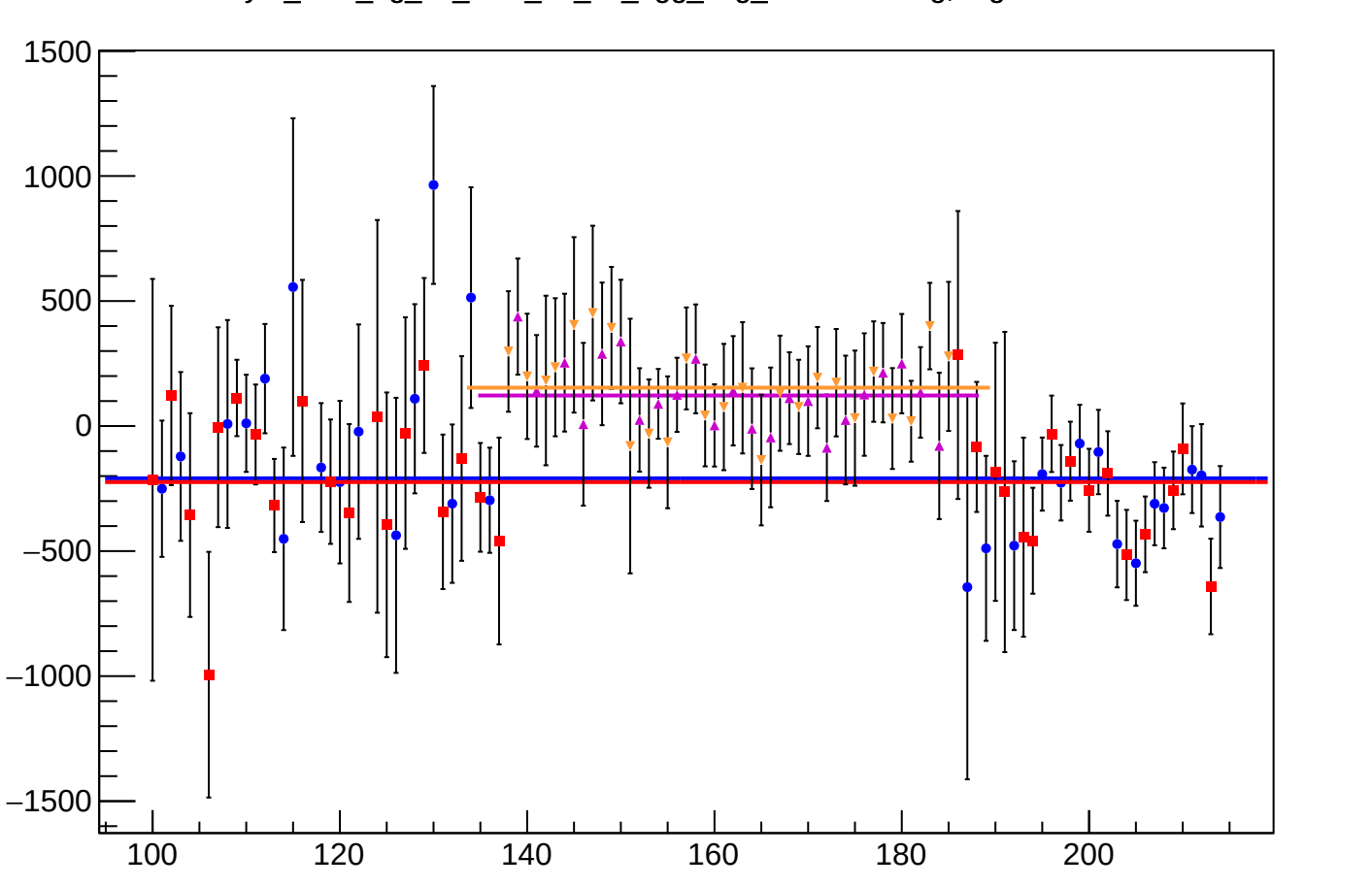
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.281+/-0.003 χ^2/NDF: 57945.6/63

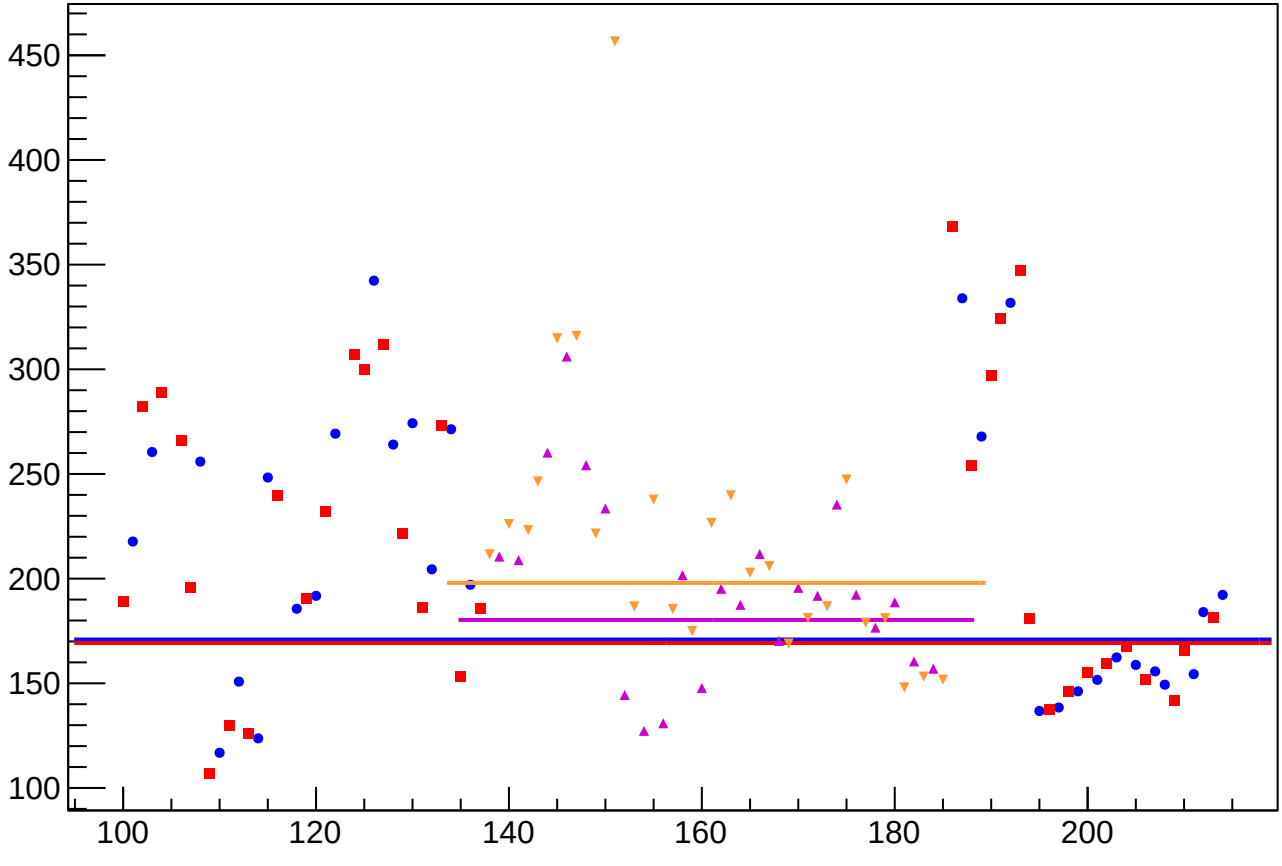
In: 22.345+/-0.003 χ^2/NDF:45684.5/52

Out: 22.423+/-0.003 χ^2/NDF:50296.0/58

All: 22.385+/-0.002 χ^2/NDF: 96431.2/111


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -208.954+/-41.573 χ²/NDF: 30.1/29
Left Out: 153.507+/-46.636 χ²/NDF:10.1/24
Right Out: -223.972+/-41.066 χ²/NDF: 27.6/33
Left In: 122.165+/-44.006 χ²/NDF:7.5/22
Left: 136.928+/-32.006 χ²/NDF: 17.8/47
Right: -216.555+/-29.216 χ²/NDF: 57.8/63
In: -52.799+/-30.220 χ²/NDF:67.5/52
Out: -59.110+/-30.820 χ²/NDF:74.6/58
All: -55.893+/-21.578 χ²/NDF: 142.1/111

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

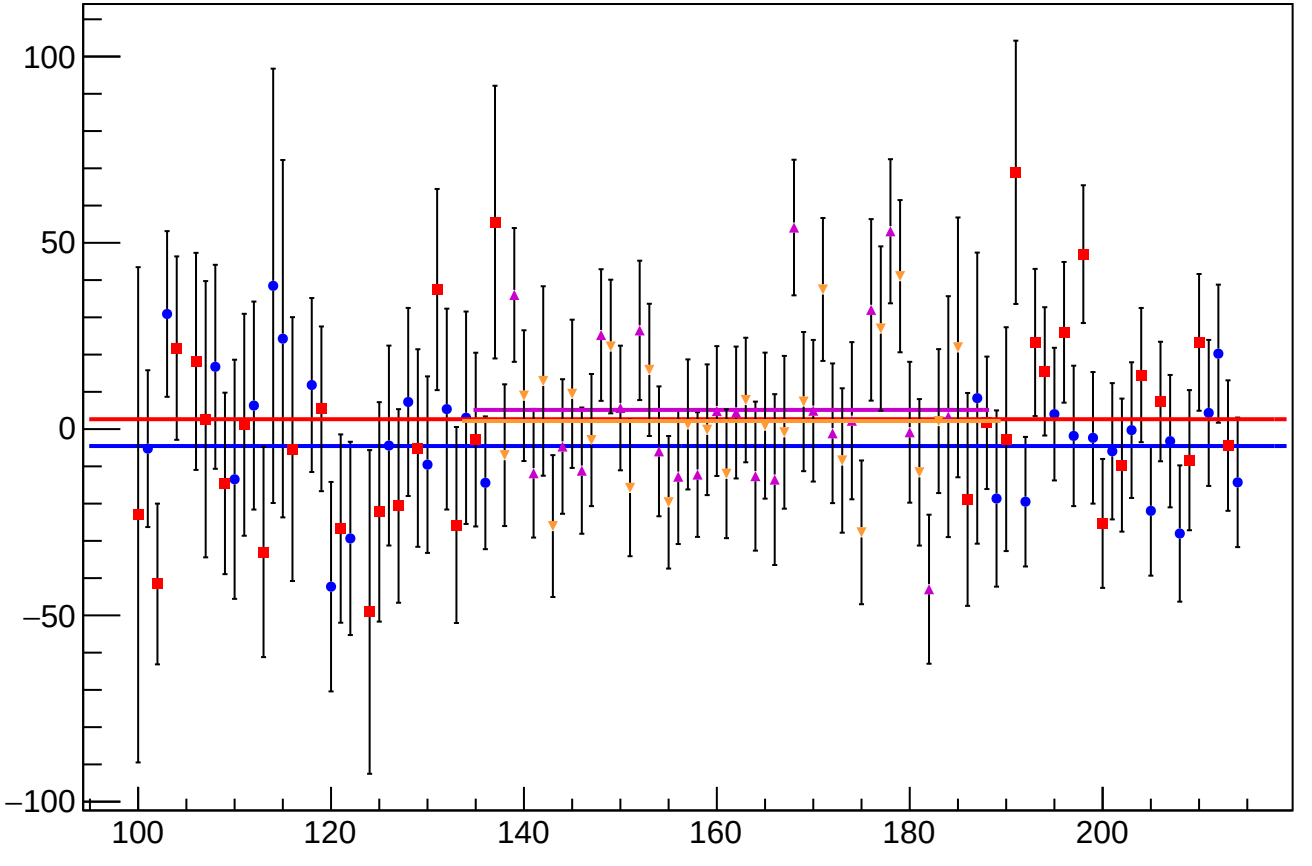
Right: 170.076+/-0.021 χ^2/NDF: 5331582.1/63

In: 175.329+/-0.021 χ^2/NDF:3993211.5/52

Out: 181.792+/-0.022 χ^2/NDF:5227233.8/58

All: 178.497+/-0.015 χ^2/NDF: 9265274.8/11

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

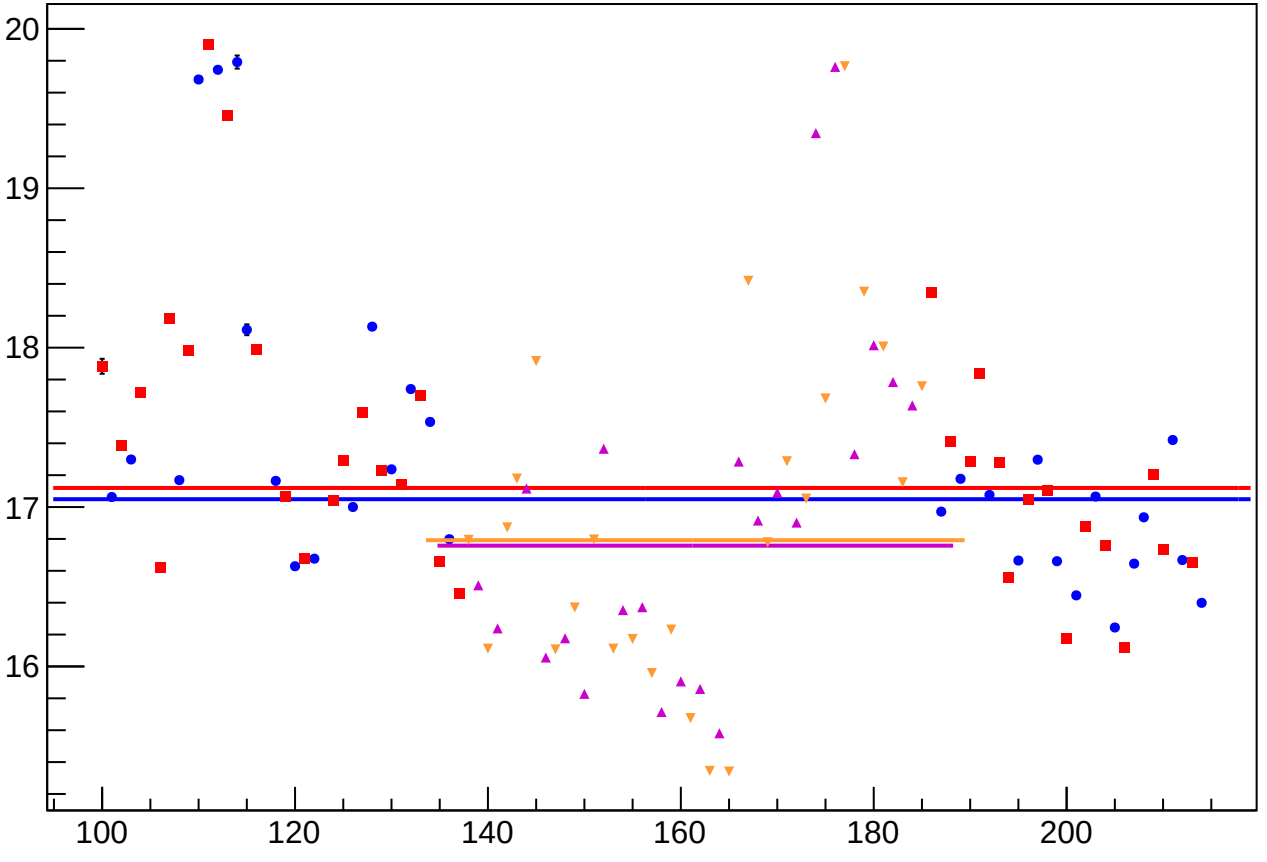
Right: -0.889+/-2.798 χ^2/NDF: 51.6/63

In: 0.380+/-2.797 χ^2/NDF:50.0/52

Out: 2.409+/-2.740 χ^2/NDF:55.1/58

All: 1.415+/-1.957 χ^2/NDF: 105.4/111

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

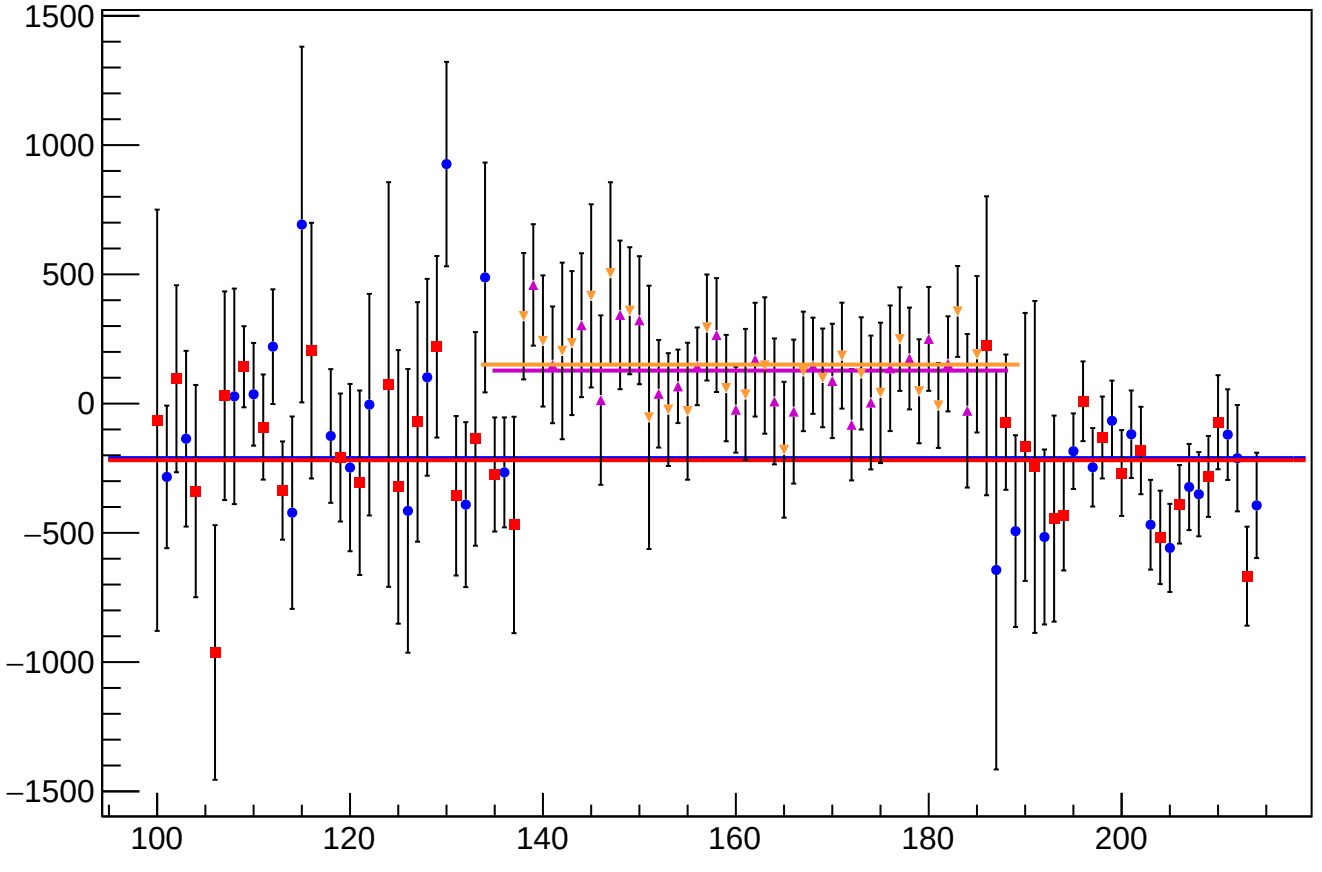
Right: 17.085+/-0.002 χ^2/NDF: 126711.5/63

In: 16.901+/-0.002 χ^2/NDF:187796.0/52

Out: 16.952+/-0.002 χ^2/NDF:211485.5/58

All: 16.927+/-0.001 χ^2/NDF: 399613.0/111

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



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

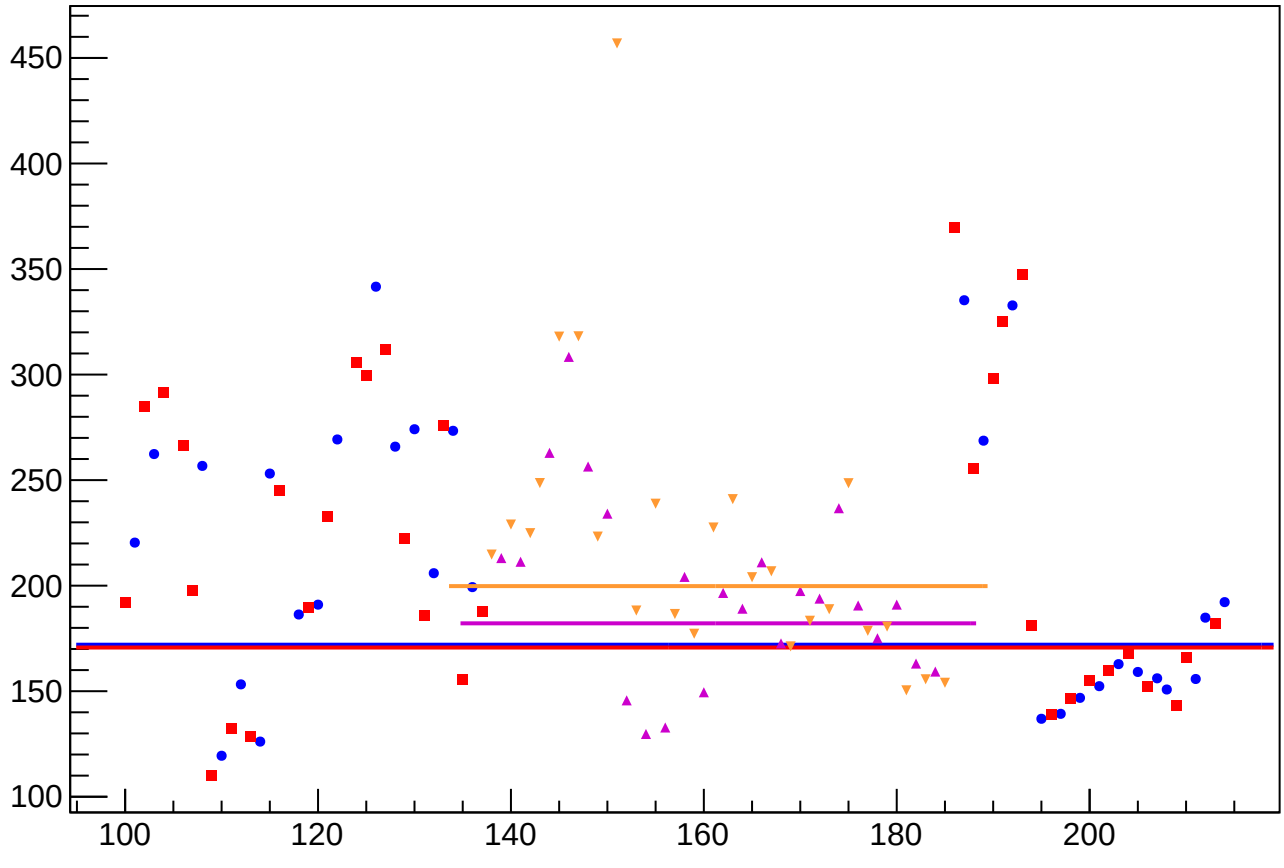
Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

Right: -214.898+/-29.411 χ^2/NDF: 59.8/63

In: -51.779+/-30.453 χ^2/NDF:70.3/52

Out: -57.594+/-31.062 χ^2/NDF:72.9/58

All: -54.629+/-21.746 χ^2/NDF: 143.3/111



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

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

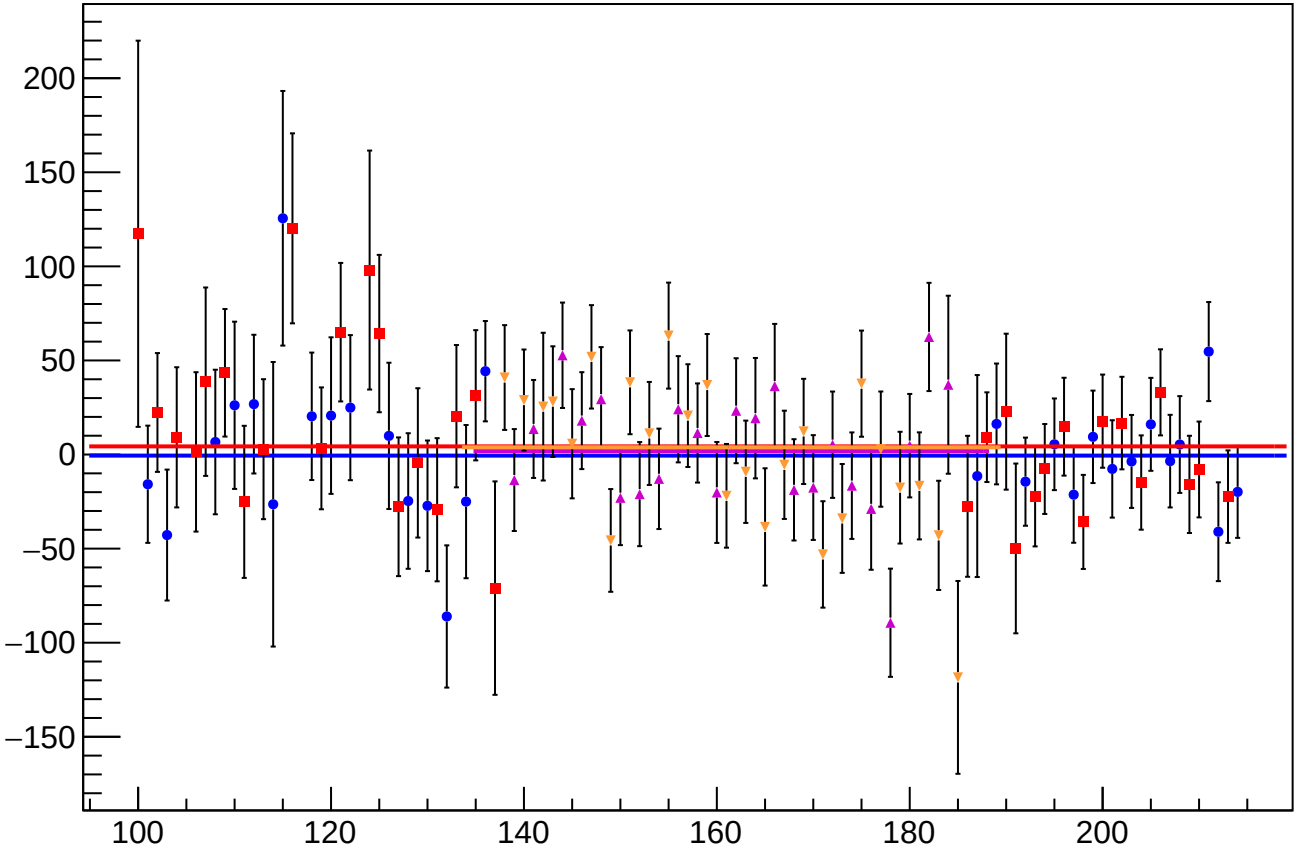
Right: 171.352+/-0.021 χ^2/NDF: 5239195.1/63

In: 176.783+/-0.022 χ^2/NDF:3936467.0/52

Out: 183.380+/-0.022 χ^2/NDF:5132884.2/58

All: 180.017+/-0.015 χ^2/NDF: 9115354.2/11

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

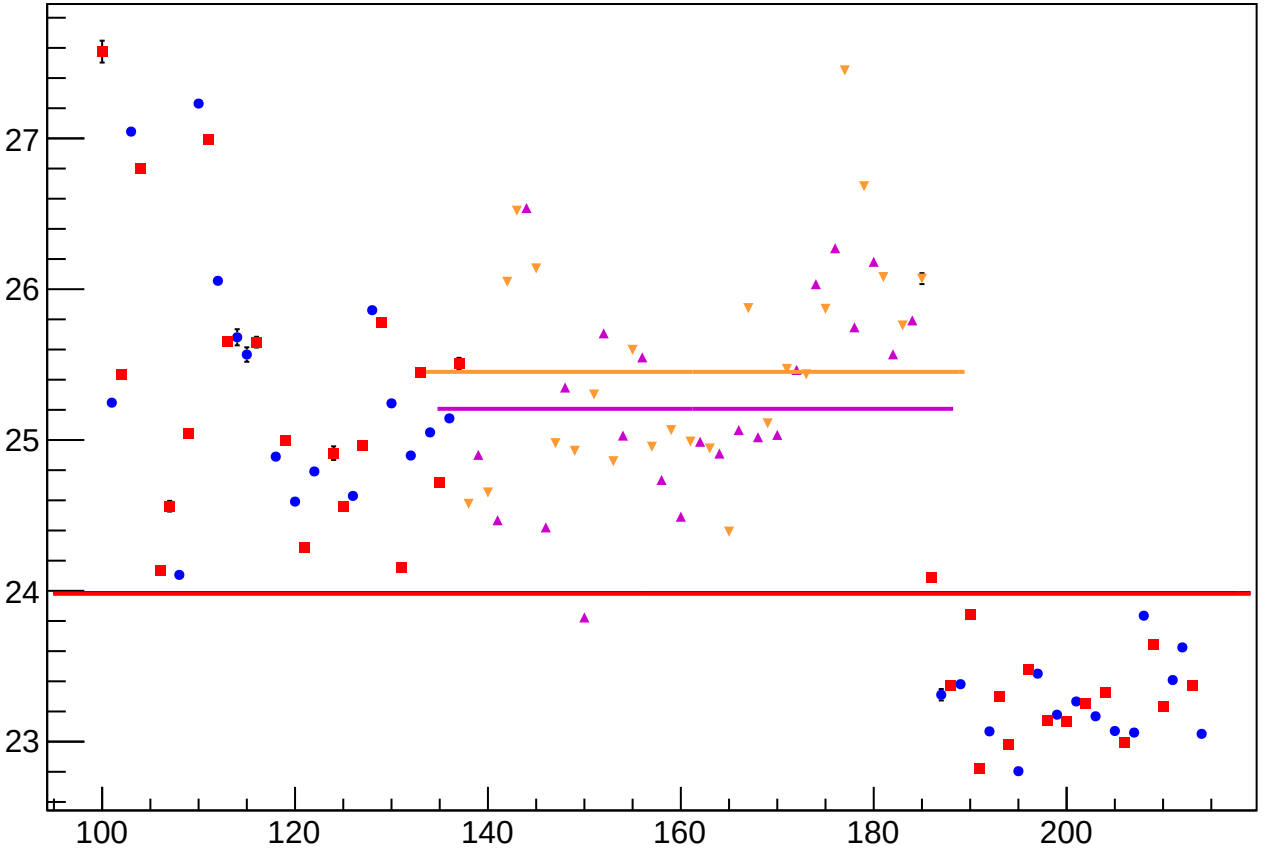
Right: 1.930+/-3.927 χ^2/NDF: 58.1/63

In: 0.579+/-4.063 χ^2/NDF:54.5/52

Out: 4.095+/-3.987 χ^2/NDF:69.0/58

All: 2.370+/-2.846 χ^2/NDF: 123.9/111

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

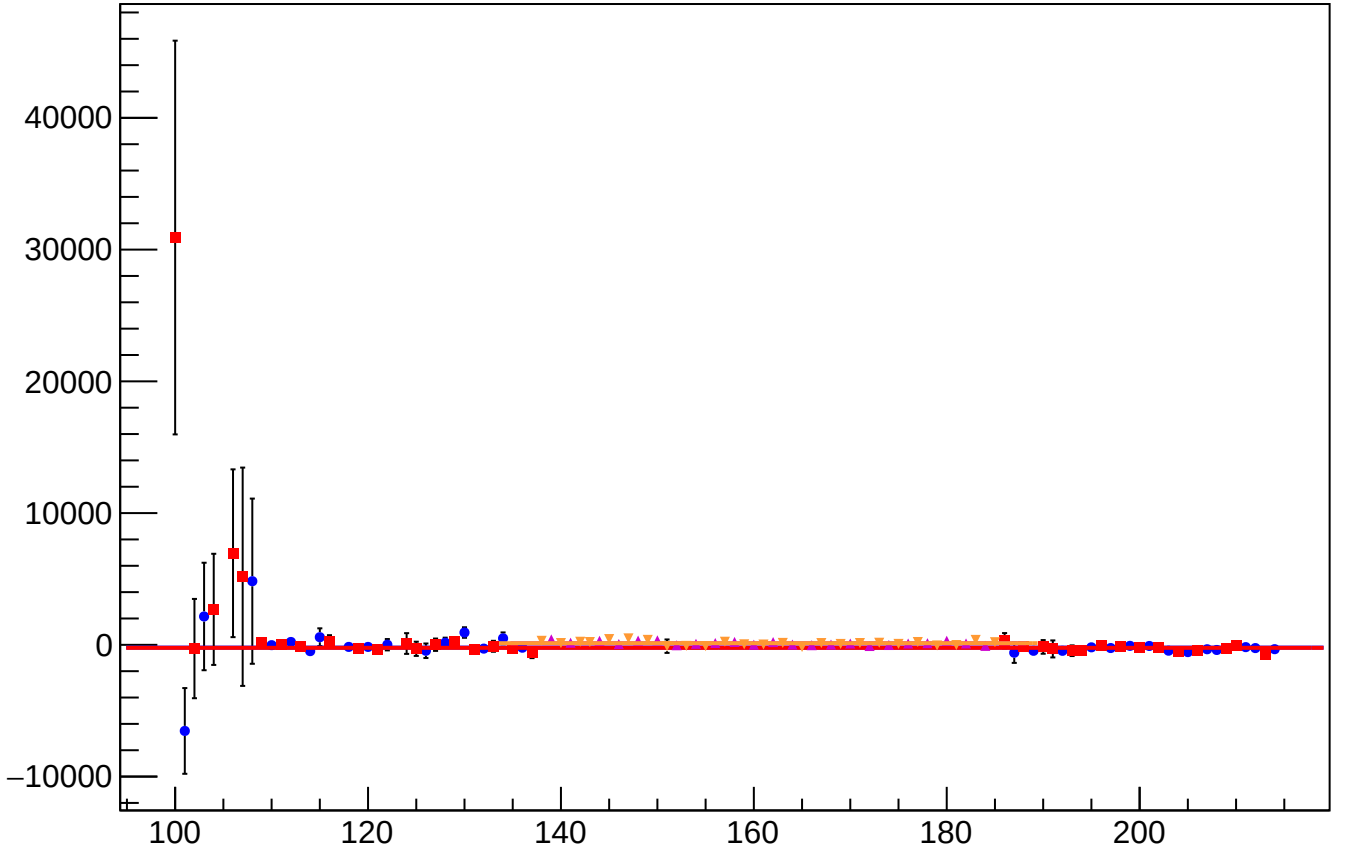
Right: 23.983+/-0.003 χ^2/NDF: 155519.5/63

In: 24.566+/-0.003 χ^2/NDF:151847.5/52

Out: 24.678+/-0.003 χ^2/NDF:172103.5/58

All: 24.623+/-0.002 χ^2/NDF: 324732.3/111

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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

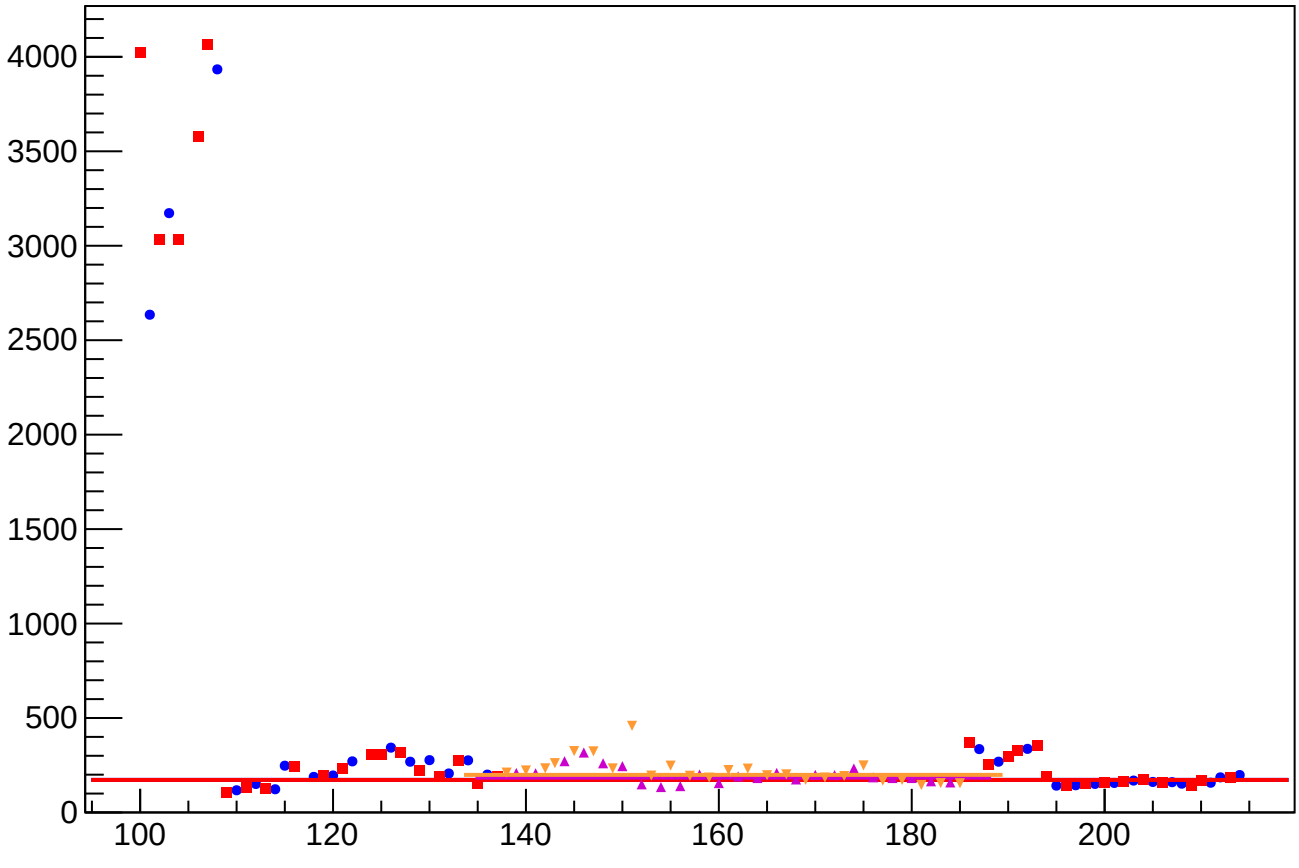
Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

Right: -219.038+/-30.837 χ^2/NDF: 65.1/63

In: -51.624+/-31.265 χ^2/NDF:69.2/52

Out: -63.753+/-31.953 χ^2/NDF:72.7/58

All: -57.557+/-22.347 χ^2/NDF: 142.0/111



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

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

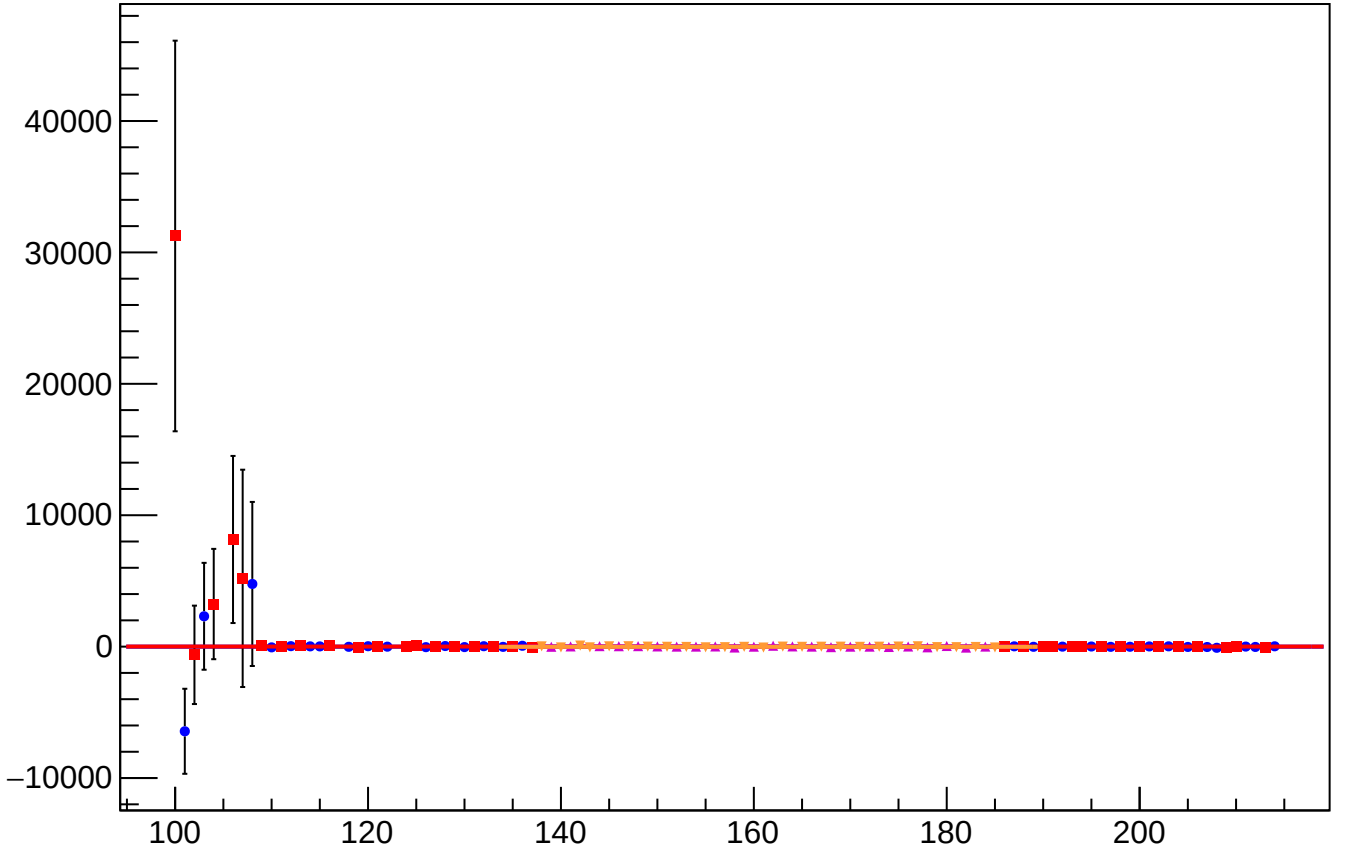
Right: 172.280+/-0.022 χ^2/NDF: 10497144.3/63

In: 178.244+/-0.022 χ^2/NDF:6429436.0/52

Out: 184.582+/-0.023 χ^2/NDF:7840997.1/58

All: 181.344+/-0.016 χ^2/NDF: 14310625.2/11

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

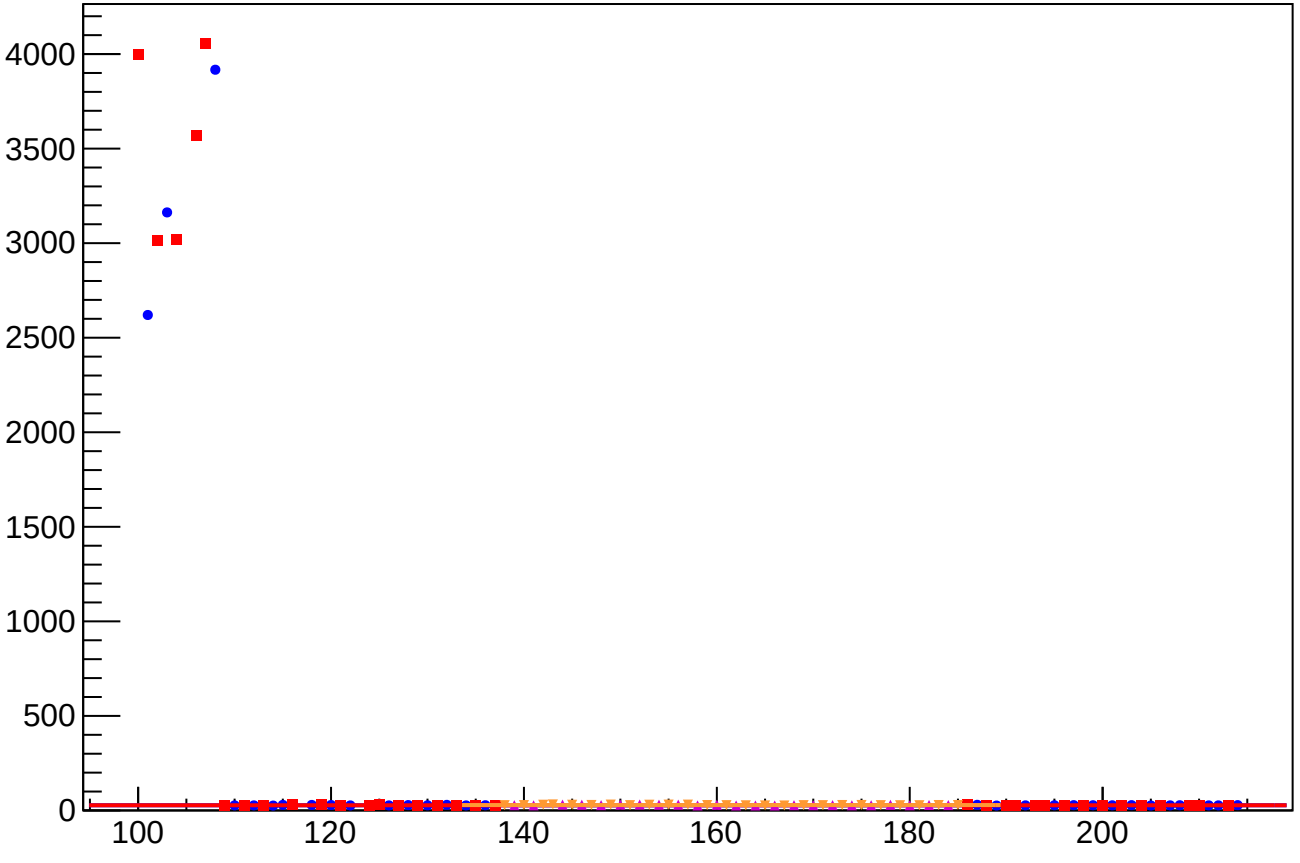
Right: 1.281+/-4.726 χ^2/NDF: 70.2/63

In: -0.432+/-4.742 χ^2/NDF:58.2/52

Out: -4.871+/-4.655 χ^2/NDF:66.8/58

All: -2.693+/-3.322 χ^2/NDF: 125.4/111

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

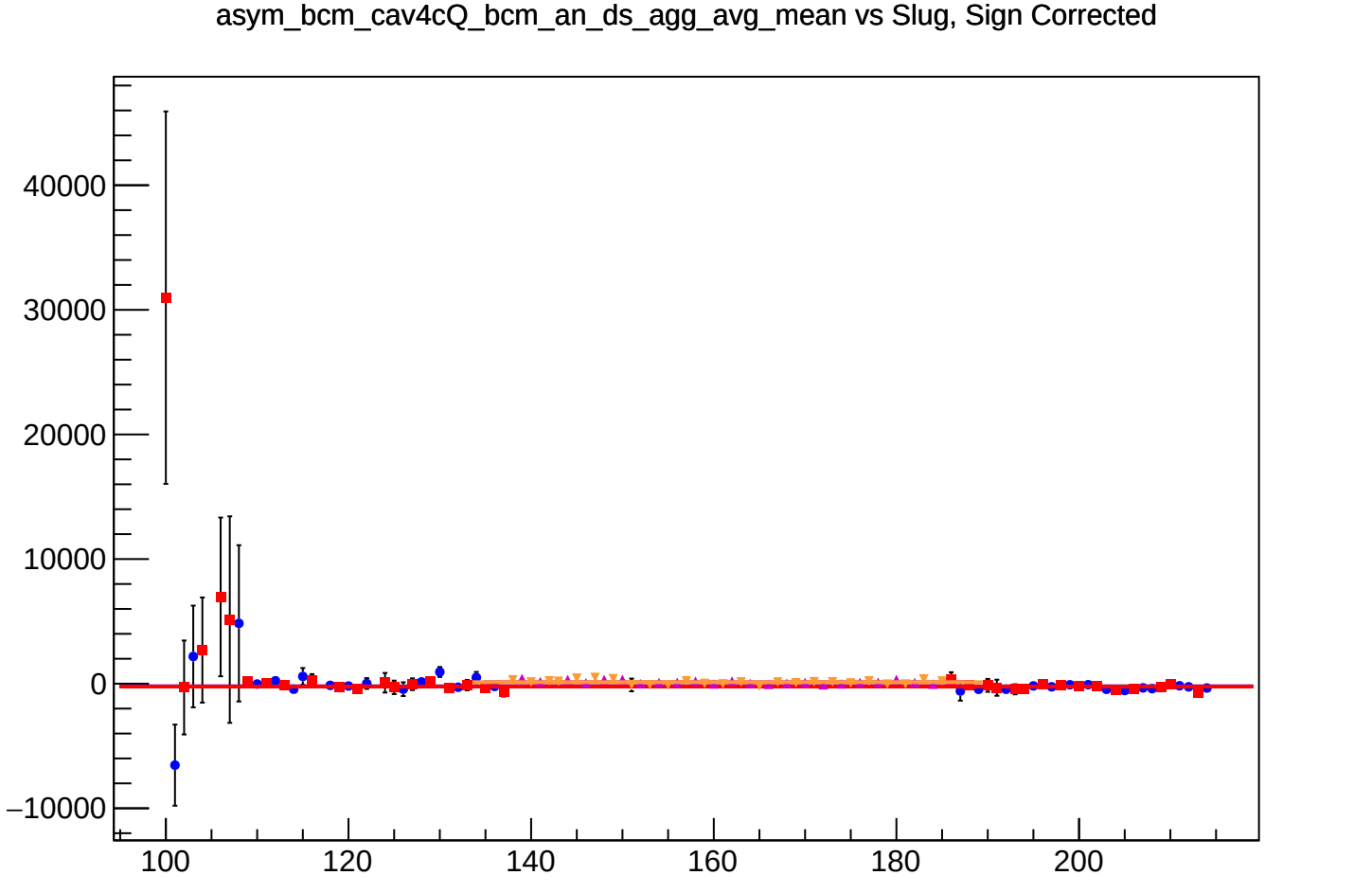
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.389+/-0.003 χ^2/NDF: 6877804.7/63

In: 27.999+/-0.003 χ^2/NDF:3438323.7/52

Out: 28.000+/-0.003 χ^2/NDF:3716448.1/58

All: 28.000+/-0.002 χ^2/NDF: 7154771.7/111



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

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

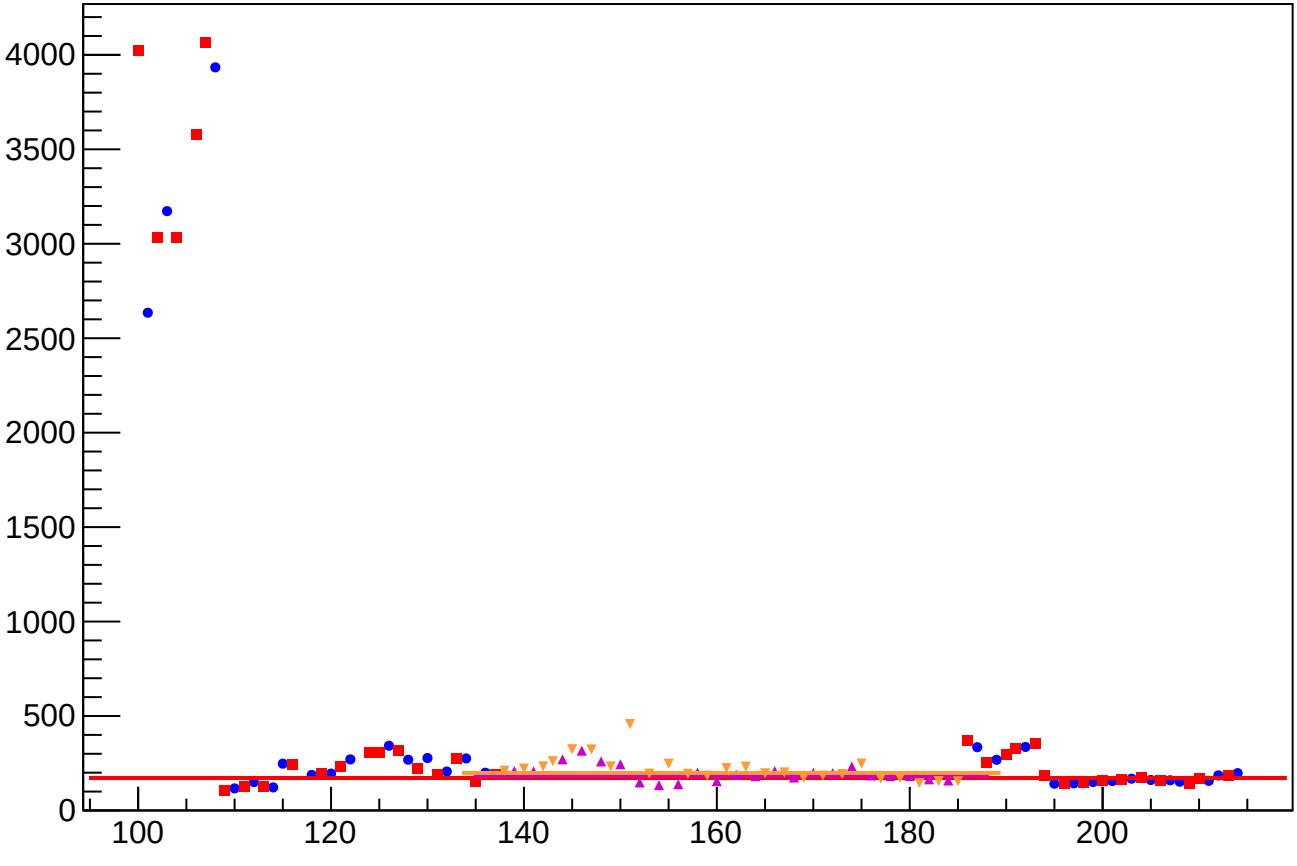
Right: -220.015+/-30.749 χ^2/NDF: 66.5/63

In: -52.889+/-31.190 χ^2/NDF:70.3/52

Out: -65.804+/-31.874 χ^2/NDF:74.2/58

All: -59.207+/-22.292 χ^2/NDF: 144.6/111

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

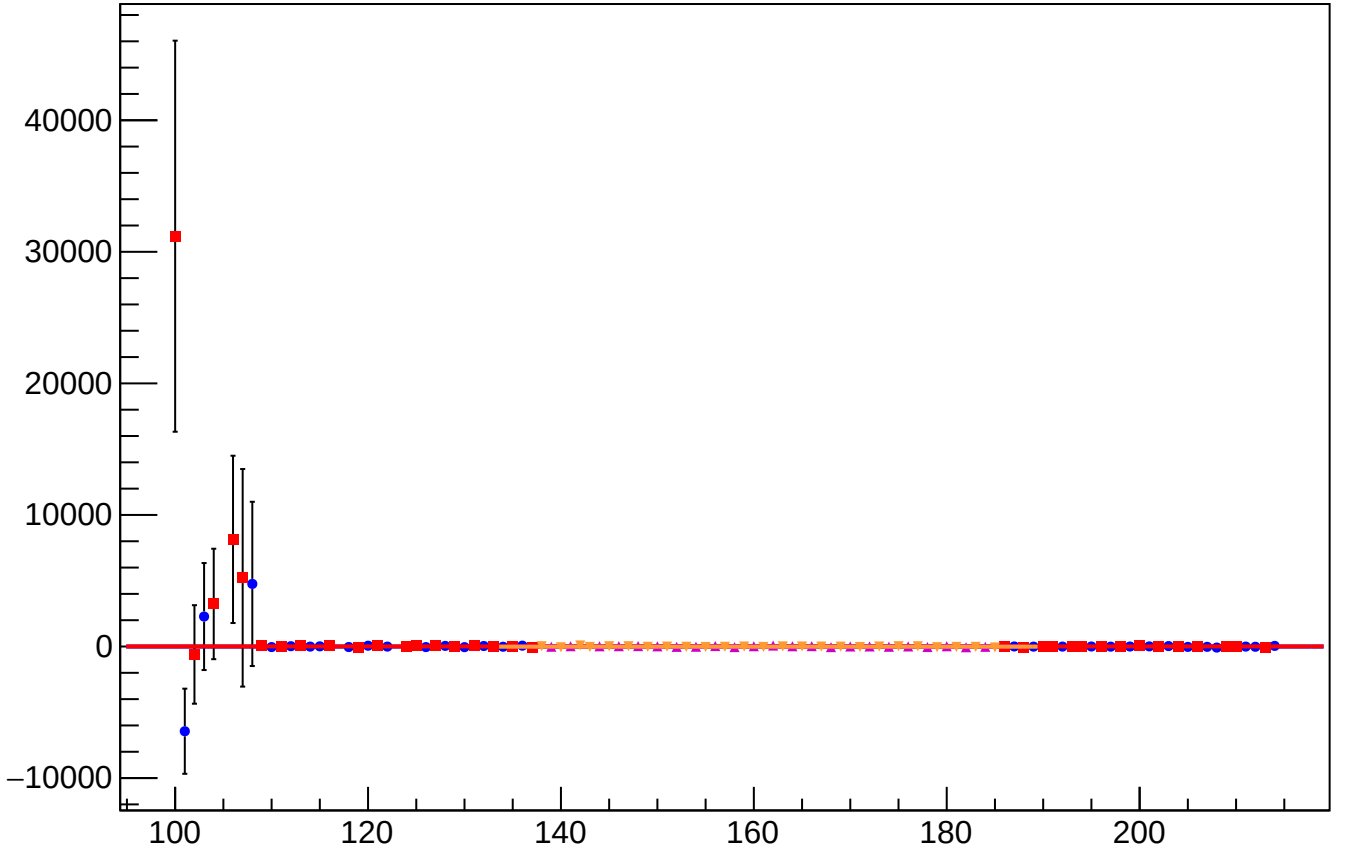
Right: 171.745+/-0.022 χ^2/NDF: 10529716.3/63

In: 177.794+/-0.022 χ^2/NDF:6444958.6/52

Out: 184.091+/-0.023 χ^2/NDF:7863802.3/58

All: 180.874+/-0.016 χ^2/NDF: 14348645.4/1

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

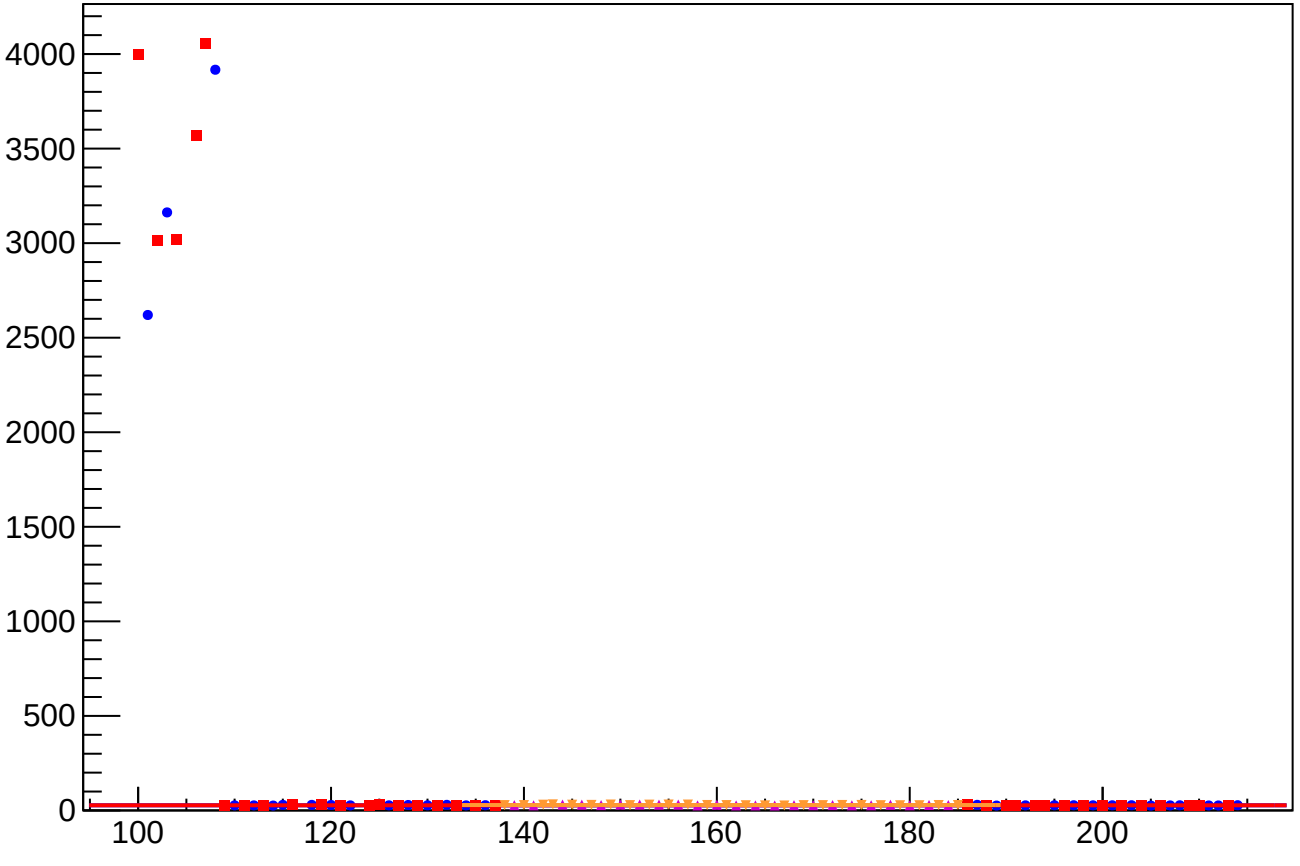
Right: 2.020+/-4.704 χ^2/NDF: 71.0/63

In: -0.278+/-4.740 χ^2/NDF:54.6/52

Out: -2.532+/-4.657 χ^2/NDF:59.8/58

All: -1.425+/-3.322 χ^2/NDF: 114.5/111

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

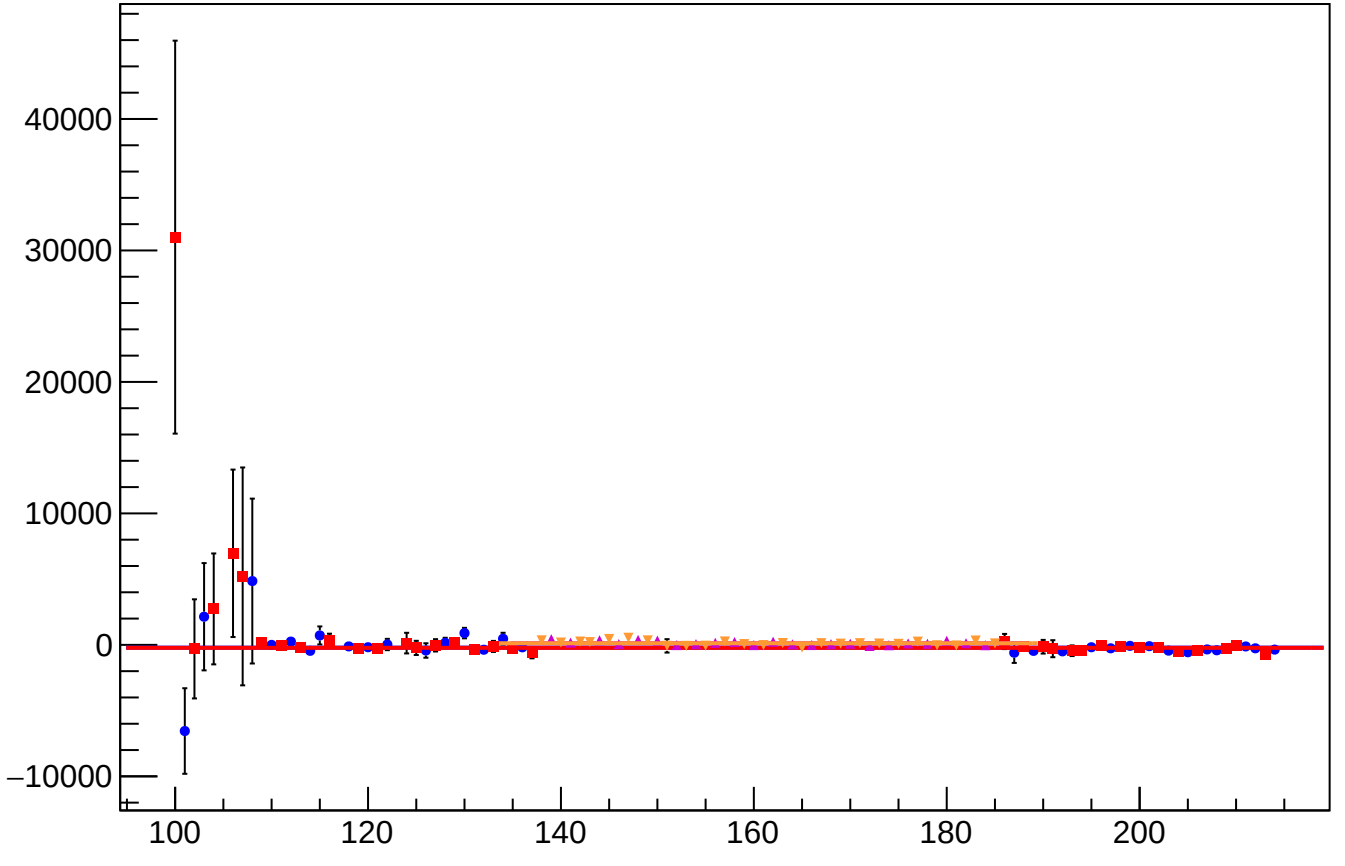
Right: 27.262+/-0.003 χ^2/NDF: 6887615.8/63

In: 27.980+/-0.003 χ^2/NDF:3465392.0/52

Out: 28.003+/-0.003 χ^2/NDF:3744427.1/58

All: 27.992+/-0.002 χ^2/NDF: 7209842.1/111

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



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

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

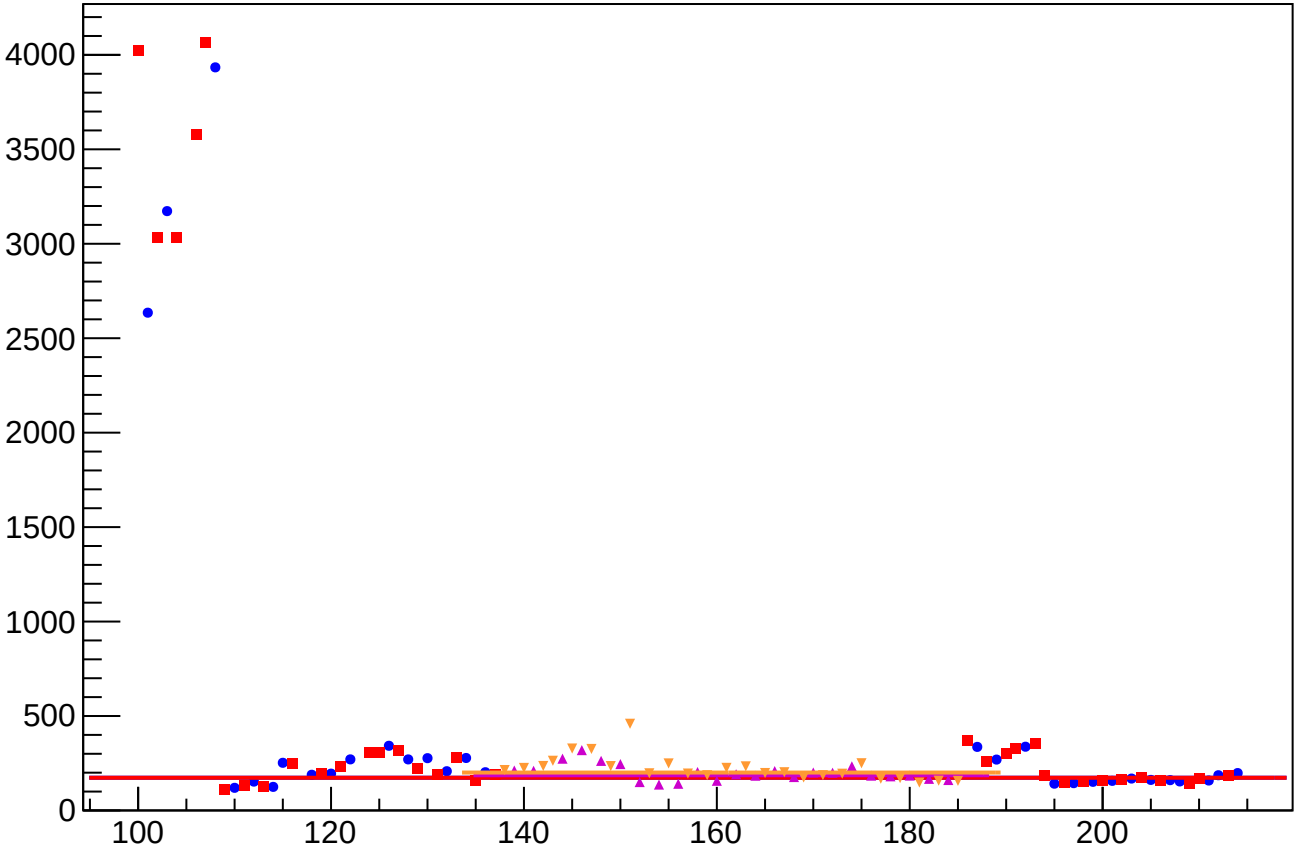
Right: -218.158+/-30.977 χ^2/NDF: 66.6/63

In: -50.044+/-31.470 χ^2/NDF:72.1/52

Out: -63.950+/-32.152 χ^2/NDF:71.6/58

All: -56.848+/-22.490 χ^2/NDF: 143.8/111

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



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

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

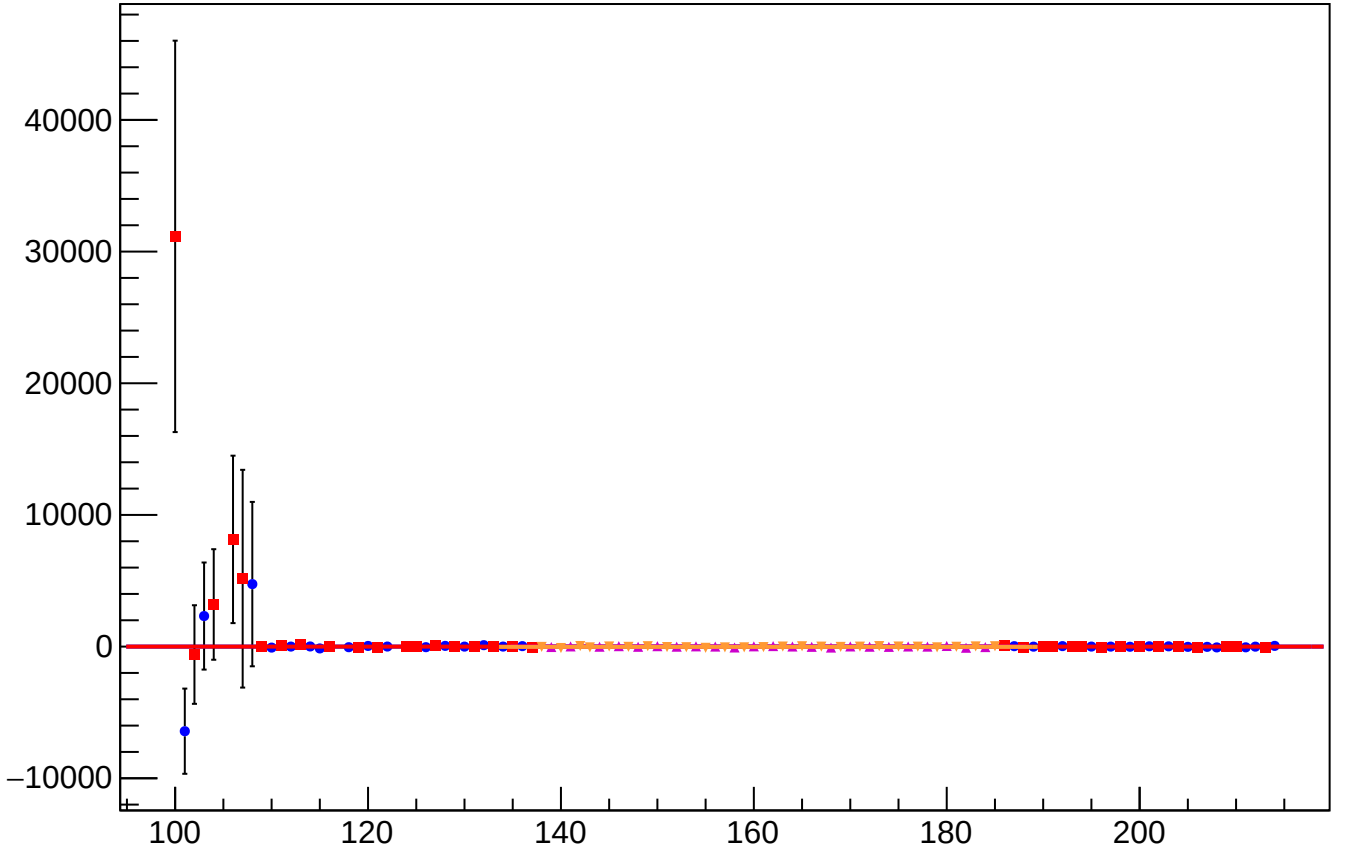
Right: 173.166+/-0.022 χ^2/NDF: 10431060.7/63

In: 179.500+/-0.022 χ^2/NDF:6385754.8/52

Out: 185.829+/-0.023 χ^2/NDF:7789540.6/58

All: 182.597+/-0.016 χ^2/NDF: 14214873.6/11

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

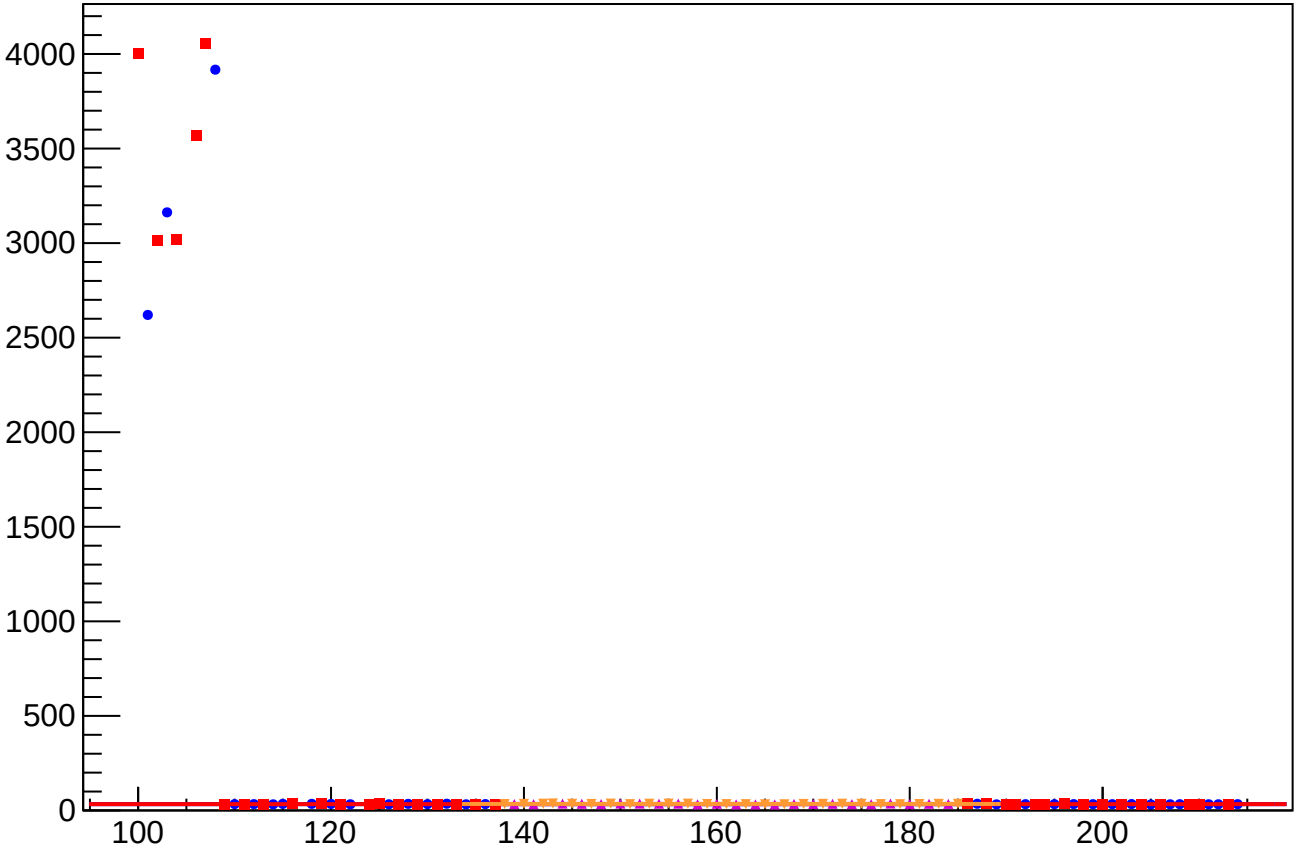
Right: -0.252+/-5.743 χ^2/NDF: 63.4/63

In: -1.823+/-5.738 χ^2/NDF:47.1/52

Out: -11.402+/-5.630 χ^2/NDF:61.6/58

All: -6.704+/-4.019 χ^2/NDF: 110.1/111

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



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

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

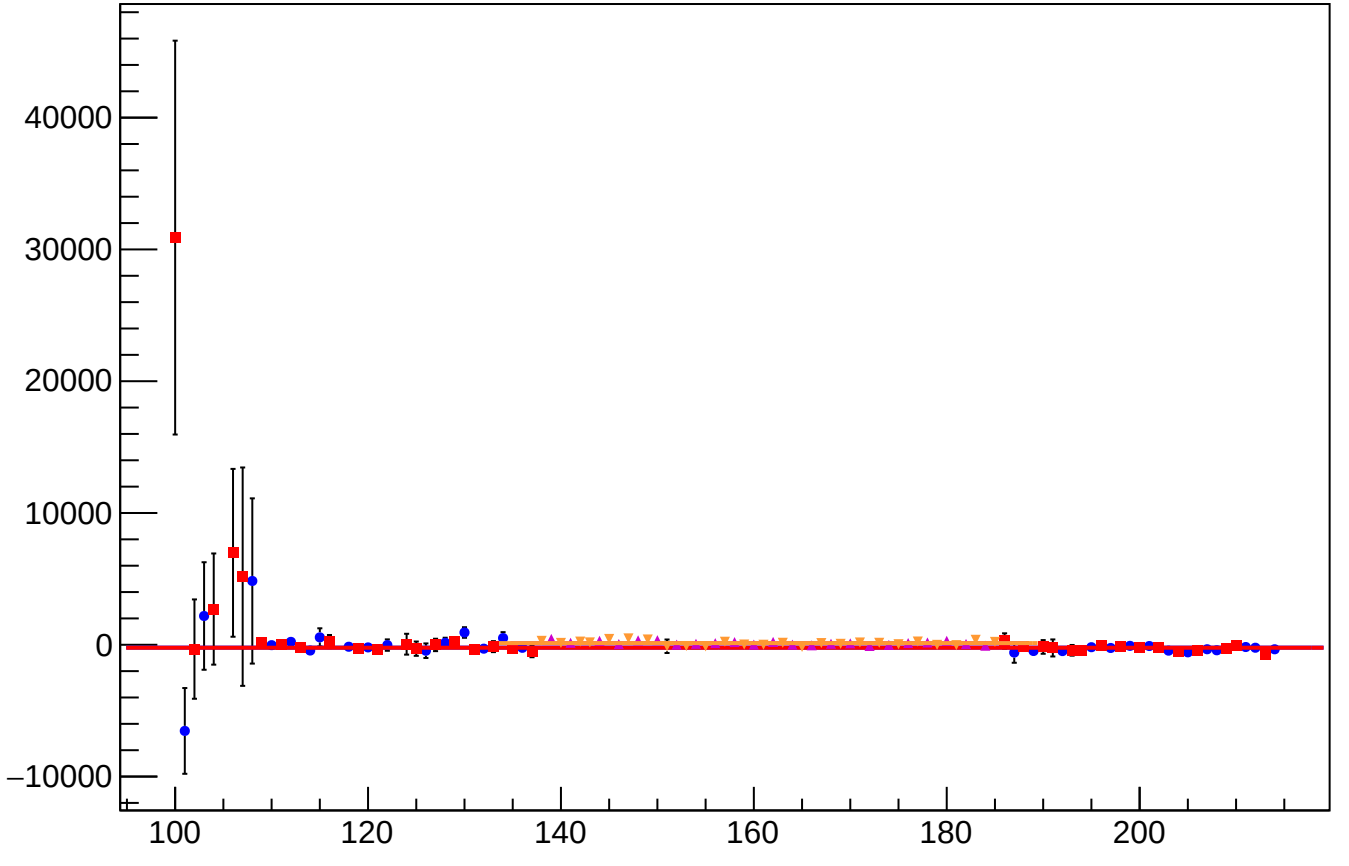
Right: 33.319+/-0.004 χ^2/NDF: 6807111.4/63

In: 33.925+/-0.004 χ^2/NDF:3340604.8/52

Out: 33.912+/-0.004 χ^2/NDF:3613360.3/58

All: 33.918+/-0.003 χ^2/NDF: 6953970.1/111

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



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

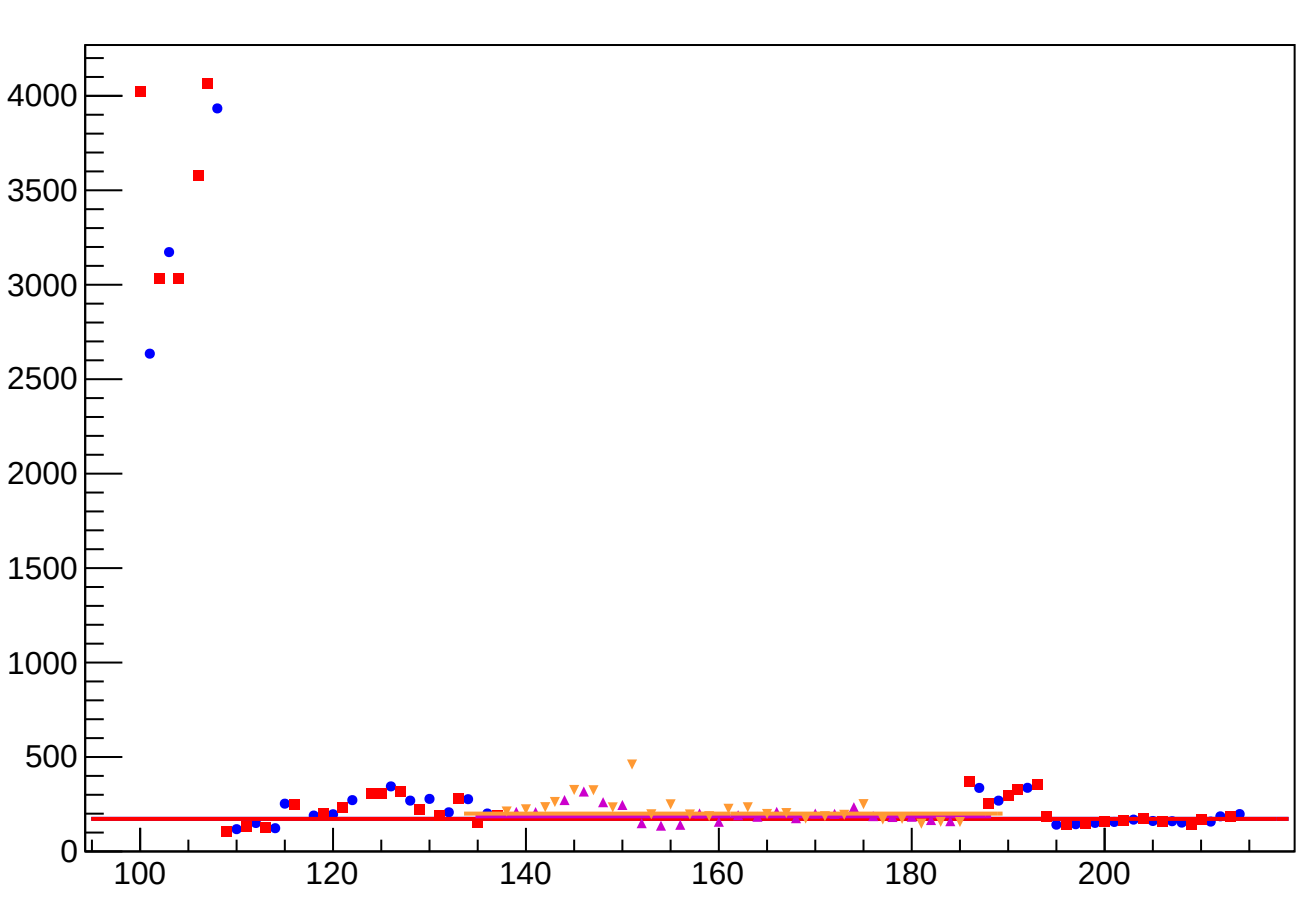
Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

Right: -220.718+/-30.876 χ^2/NDF: 64.9/63

In: -52.920+/-31.397 χ^2/NDF:71.6/52

Out: -62.201+/-32.068 χ^2/NDF:72.1/58

All: -57.462+/-22.435 χ^2/NDF: 143.7/111



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

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

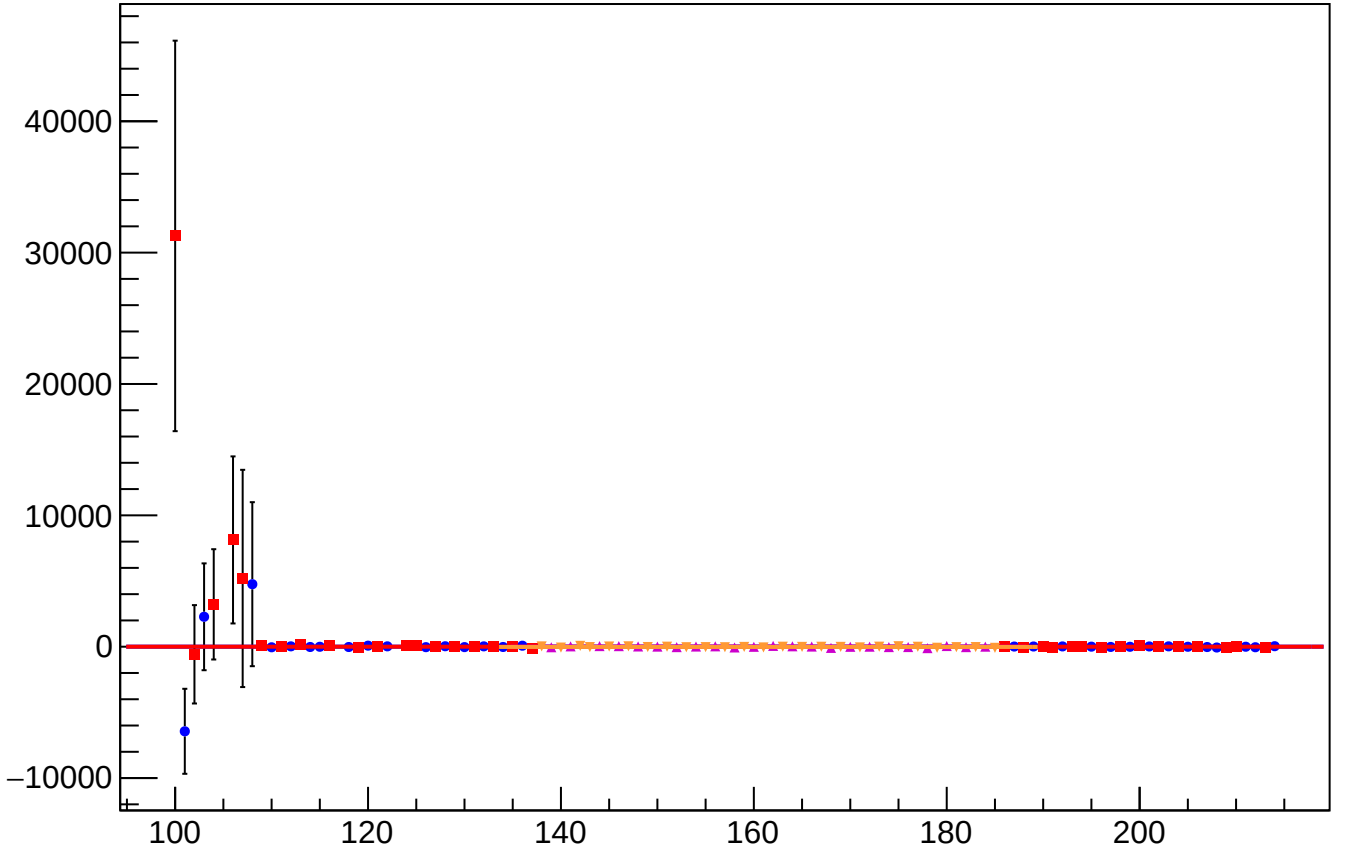
Right: 172.483+/-0.022 χ^2/NDF: 10512109.6/63

In: 179.032+/-0.022 χ^2/NDF:6412750.0/52

Out: 185.250+/-0.023 χ^2/NDF:7850328.0/58

All: 182.075+/-0.016 χ^2/NDF: 14301474.9/11

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

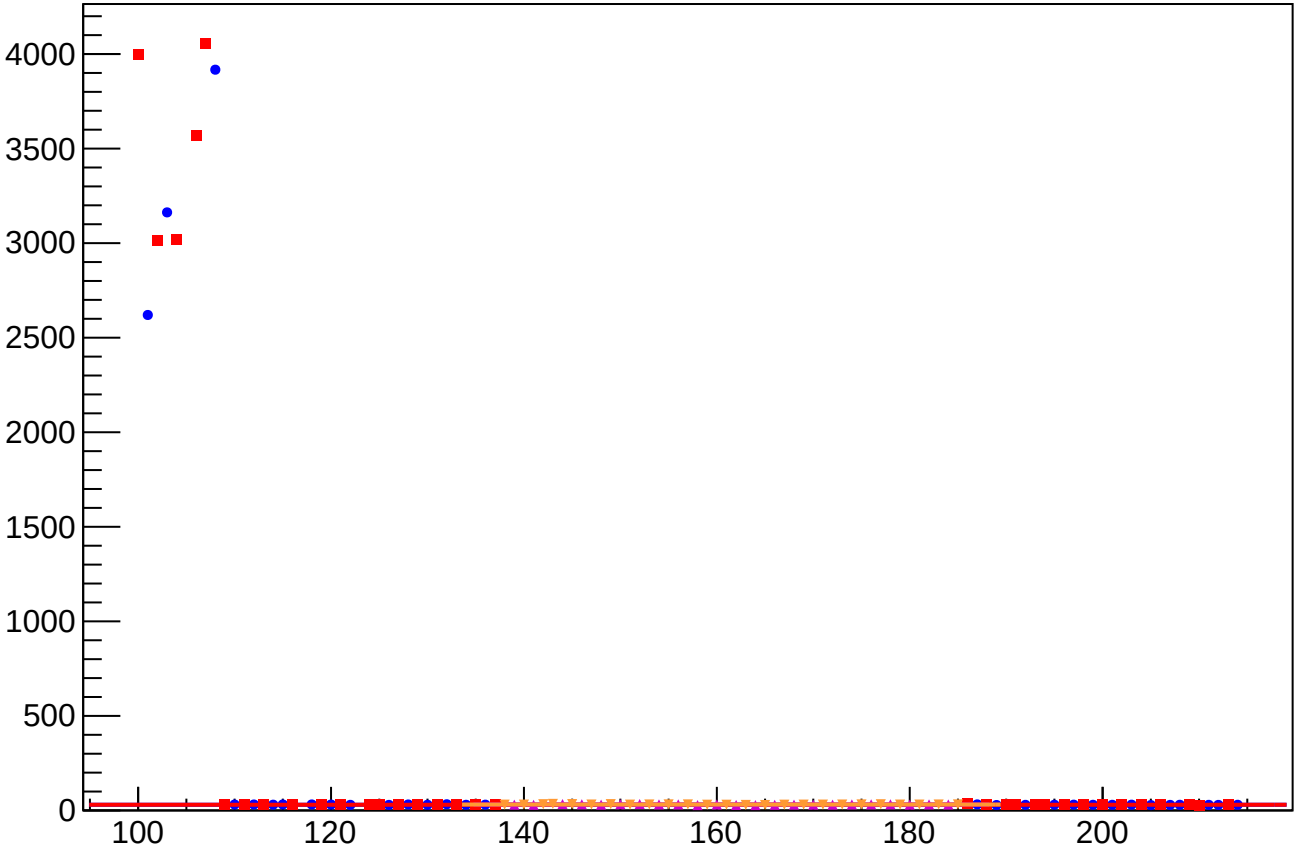
Right: 1.589+/-5.197 χ^2/NDF: 70.1/63

In: 0.032+/-5.205 χ^2/NDF:61.5/52

Out: -9.340+/-5.111 χ^2/NDF:68.2/58

All: -4.739+/-3.647 χ^2/NDF: 131.4/111

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

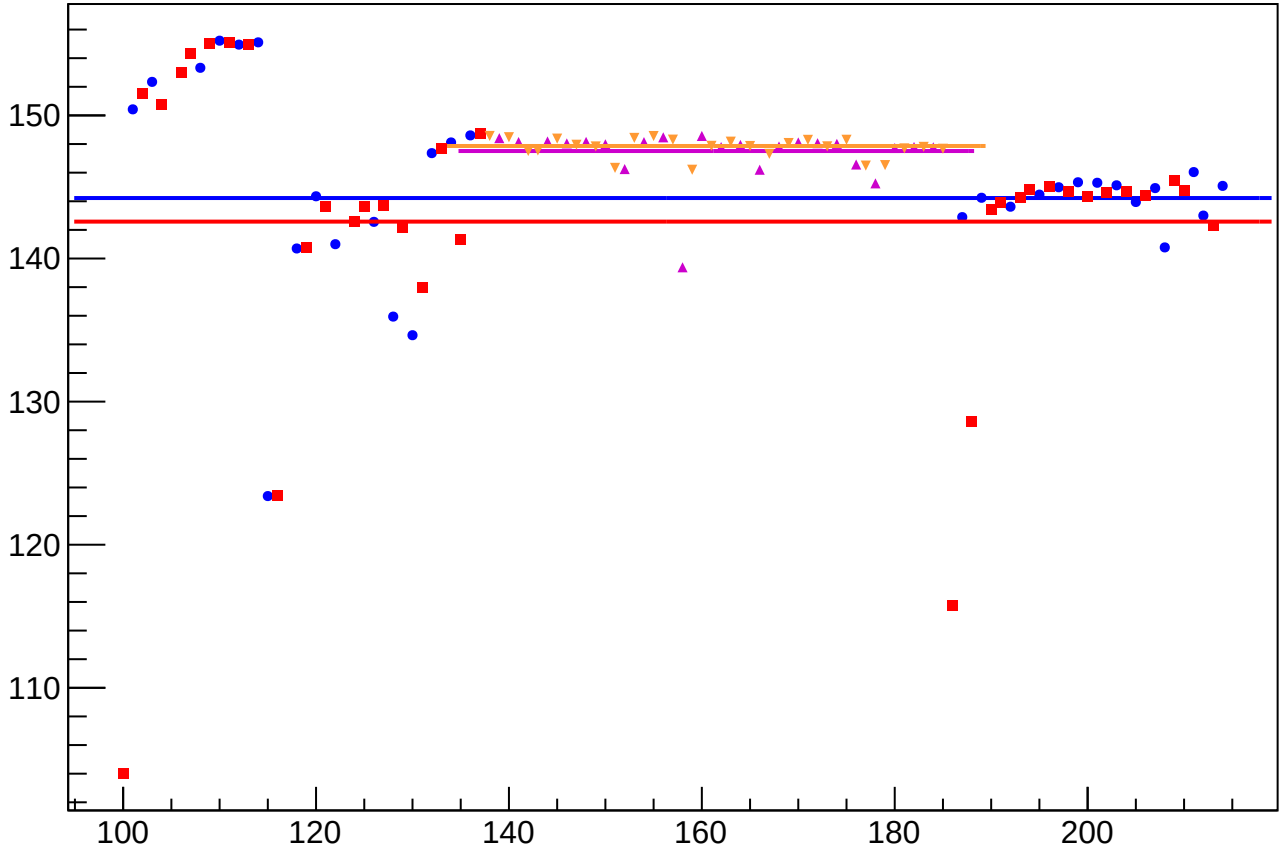
Right: 30.131+/-0.004 χ^2/NDF: 6845985.4/63

In: 30.745+/-0.004 χ^2/NDF:3390698.6/52

Out: 30.763+/-0.004 χ^2/NDF:3660263.4/58

All: 30.754+/-0.003 χ^2/NDF: 7050975.0/111

yield_bcm_target_mean vs Slug, Sign Corrected



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

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

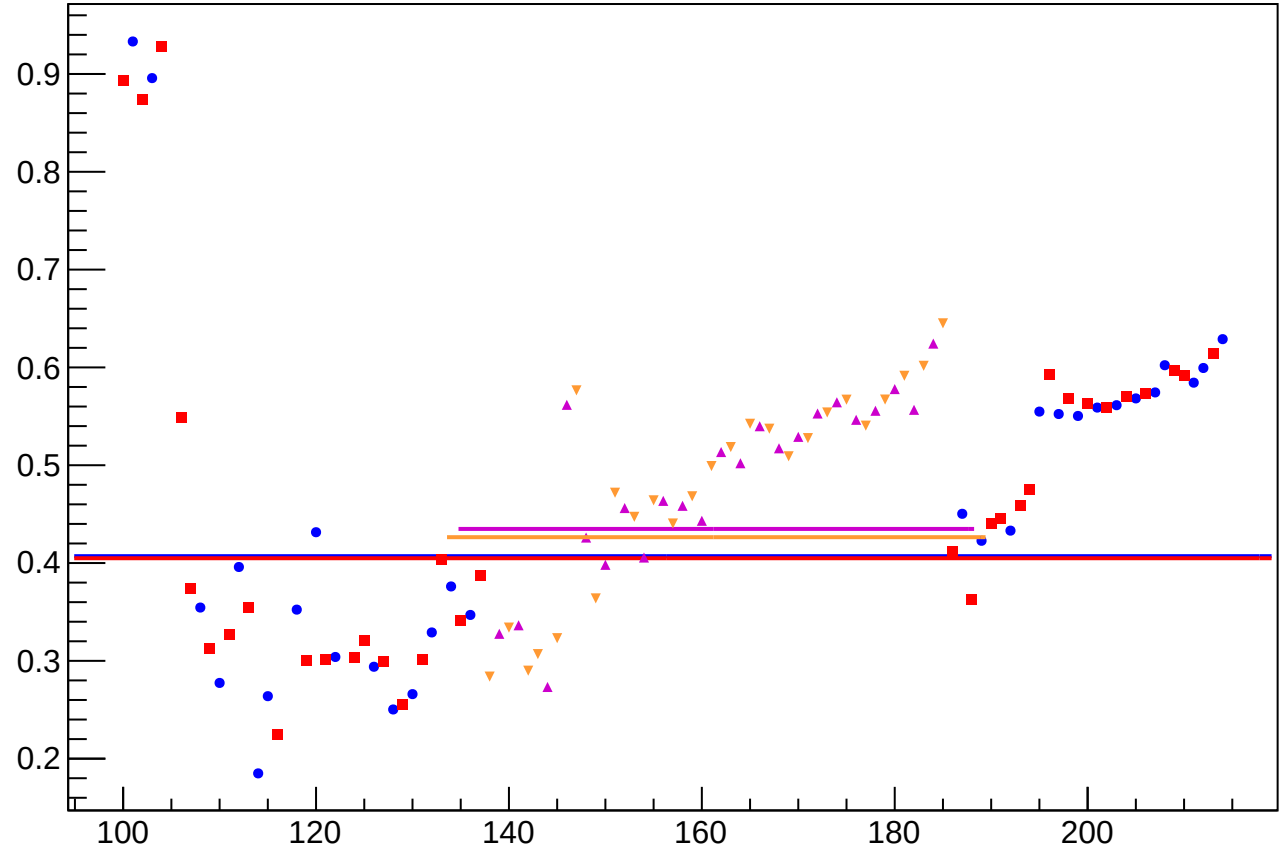
Right: 143.377+/-0.000 χ^2/NDF: 11490268190.6/63

In: 145.834+/-0.000 χ^2/NDF:4577107656.0/52

Out: 145.194+/-0.000 χ^2/NDF:8994518605.4/58

All: 145.502+/-0.000 χ^2/NDF: 13610339491.

yield_bcm_target_rms vs Slug, Sign Corrected



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

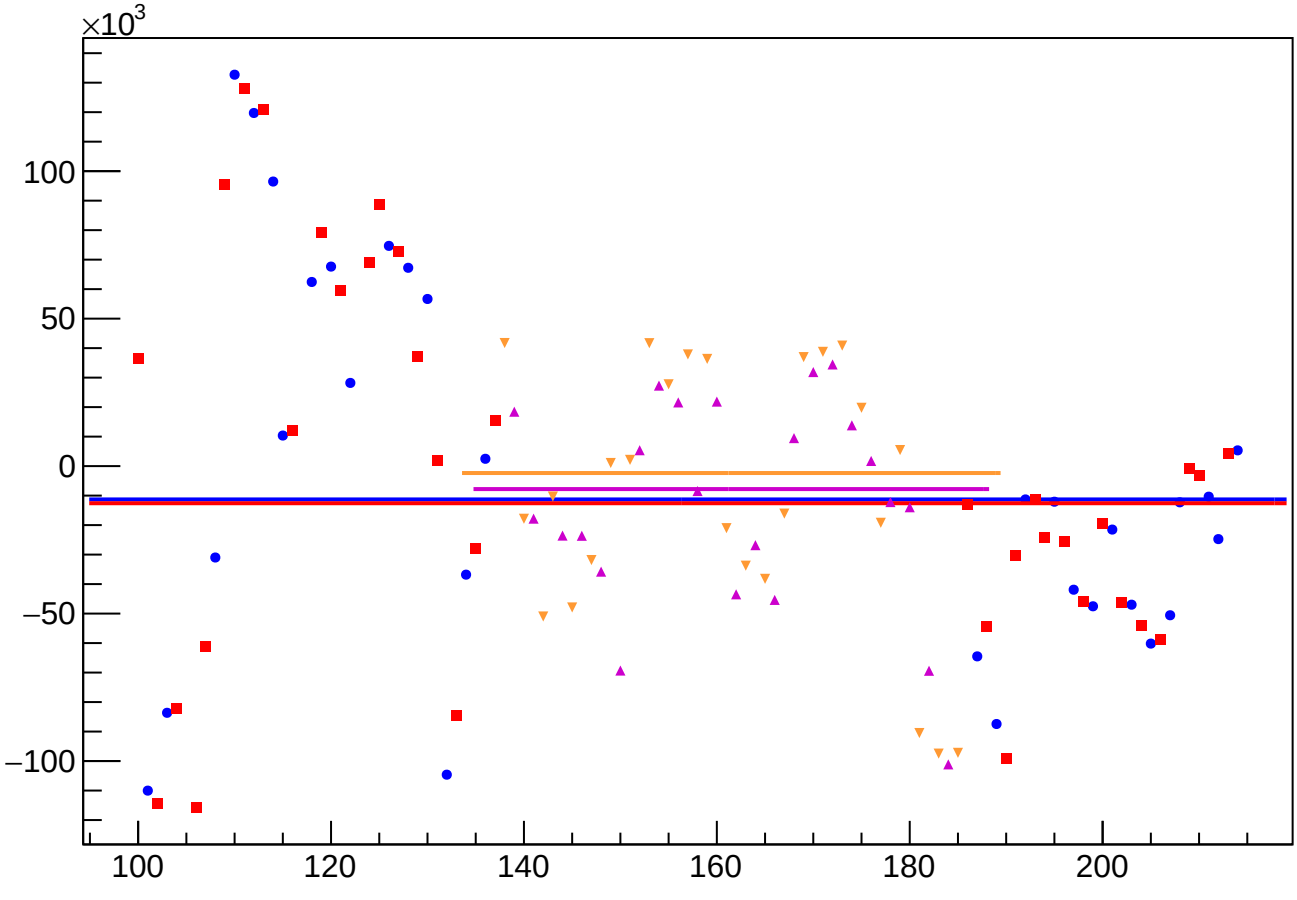
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.406+/-0.000 χ^2/NDF: 7250389.3/63

In: 0.421+/-0.000 χ^2/NDF:5626118.1/52

Out: 0.416+/-0.000 χ^2/NDF:5773993.8/58

All: 0.418+/-0.000 χ^2/NDF: 11405017.7/111



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

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

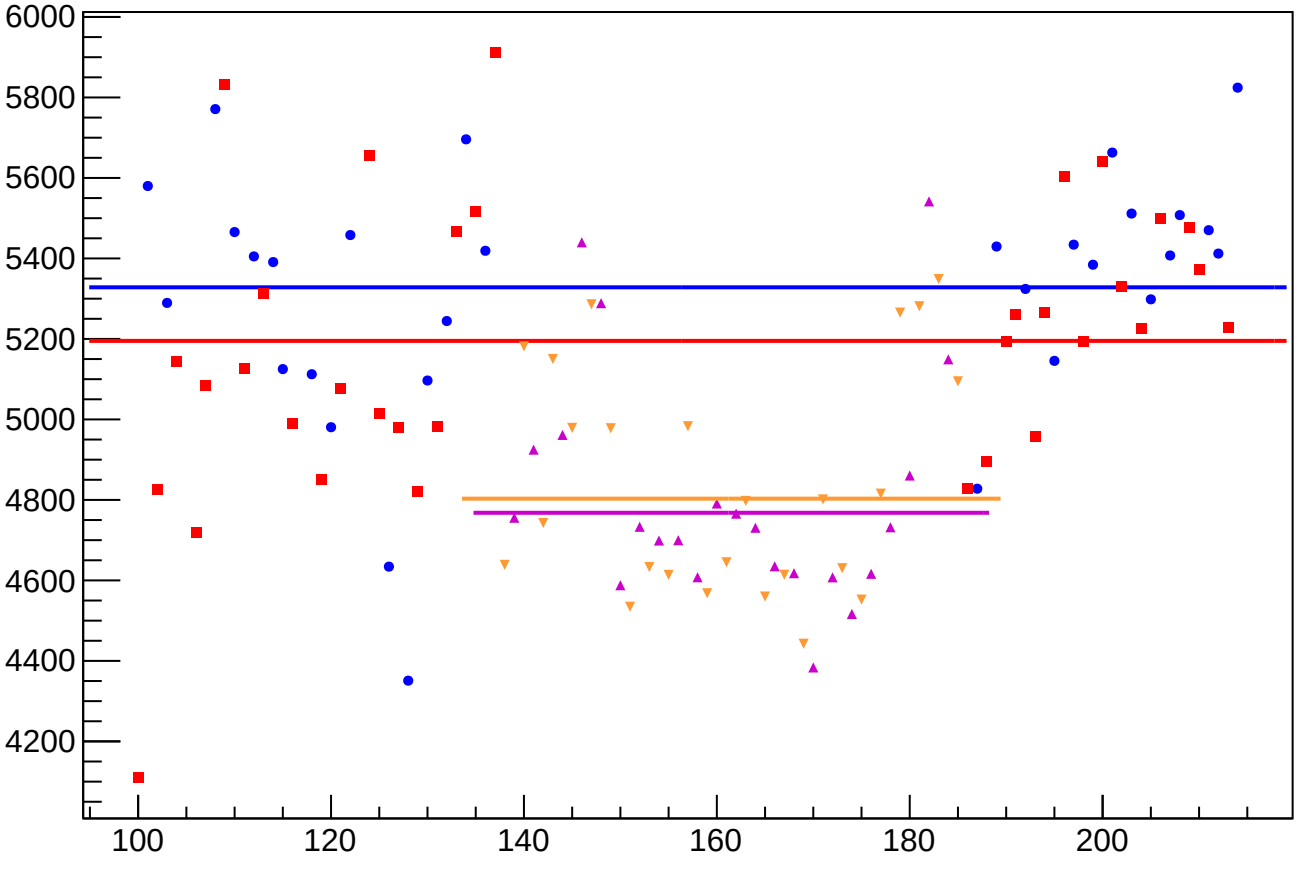
Right: -11972.332+/-0.892 χ^2/NDF: 4352717320.6/

In: -9331.544+/-0.857 χ^2/NDF:2714383000.9/52

Out: -6992.794+/-0.830 χ^2/NDF:3672204812.5/58

All: -8125.593+/-0.596 χ^2/NDF: 6390432053

yield_bcm_an_diff_rms vs Slug, Sign Corrected



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

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

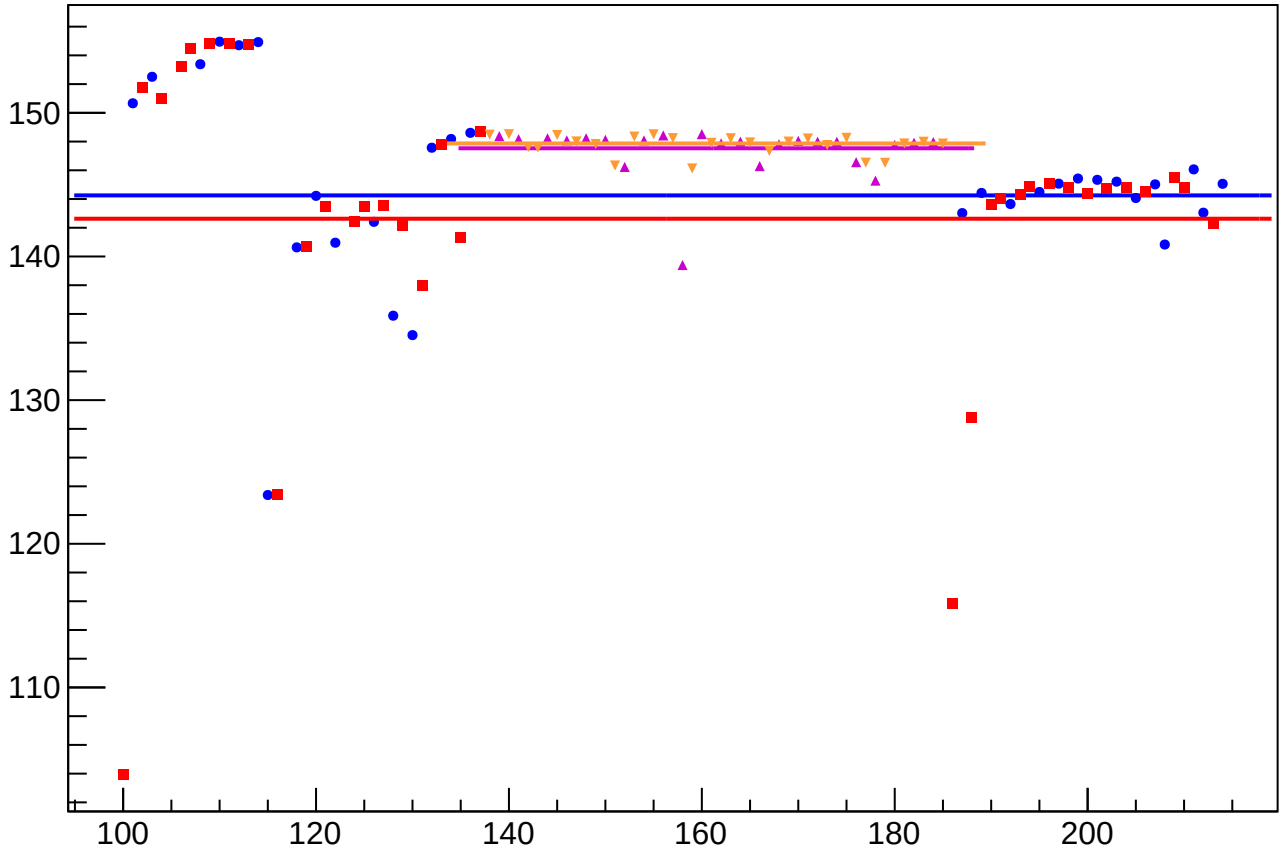
Right: 5258.596+/-0.630 χ^2/NDF: 237137.5/63

In: 5014.508+/-0.606 χ^2/NDF:428364.2/52

Out: 4981.028+/-0.587 χ^2/NDF:336020.6/58

All: 4997.245+/-0.422 χ^2/NDF: 765960.4/111

yield_bcm_an_ds_mean vs Slug, Sign Corrected



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

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

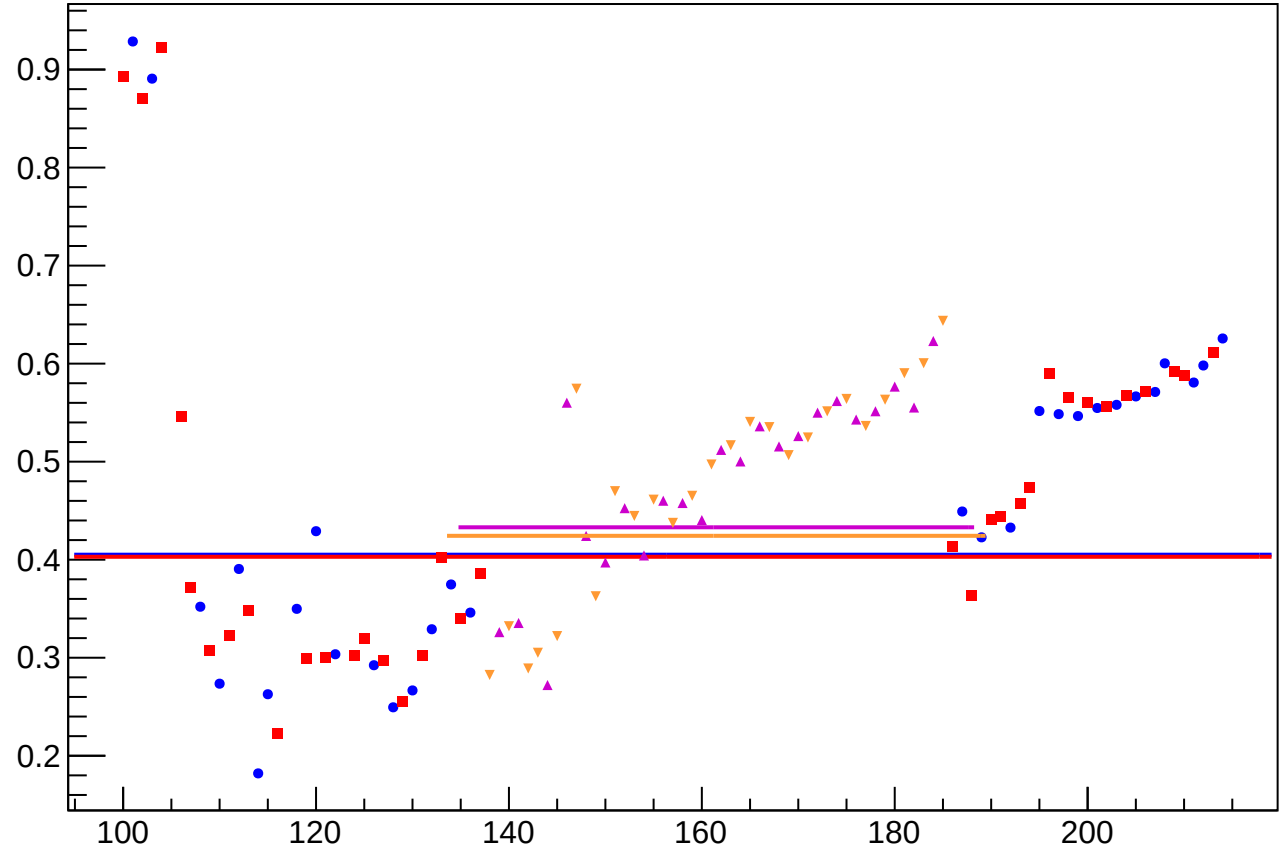
Right: 143.415+/-0.000 χ^2/NDF: 11504120957.2/63

In: 145.857+/-0.000 χ^2/NDF:4621962931.7/52

Out: 145.223+/-0.000 χ^2/NDF:8959593141.3/58

All: 145.528+/-0.000 χ^2/NDF: 13619871643.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



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

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

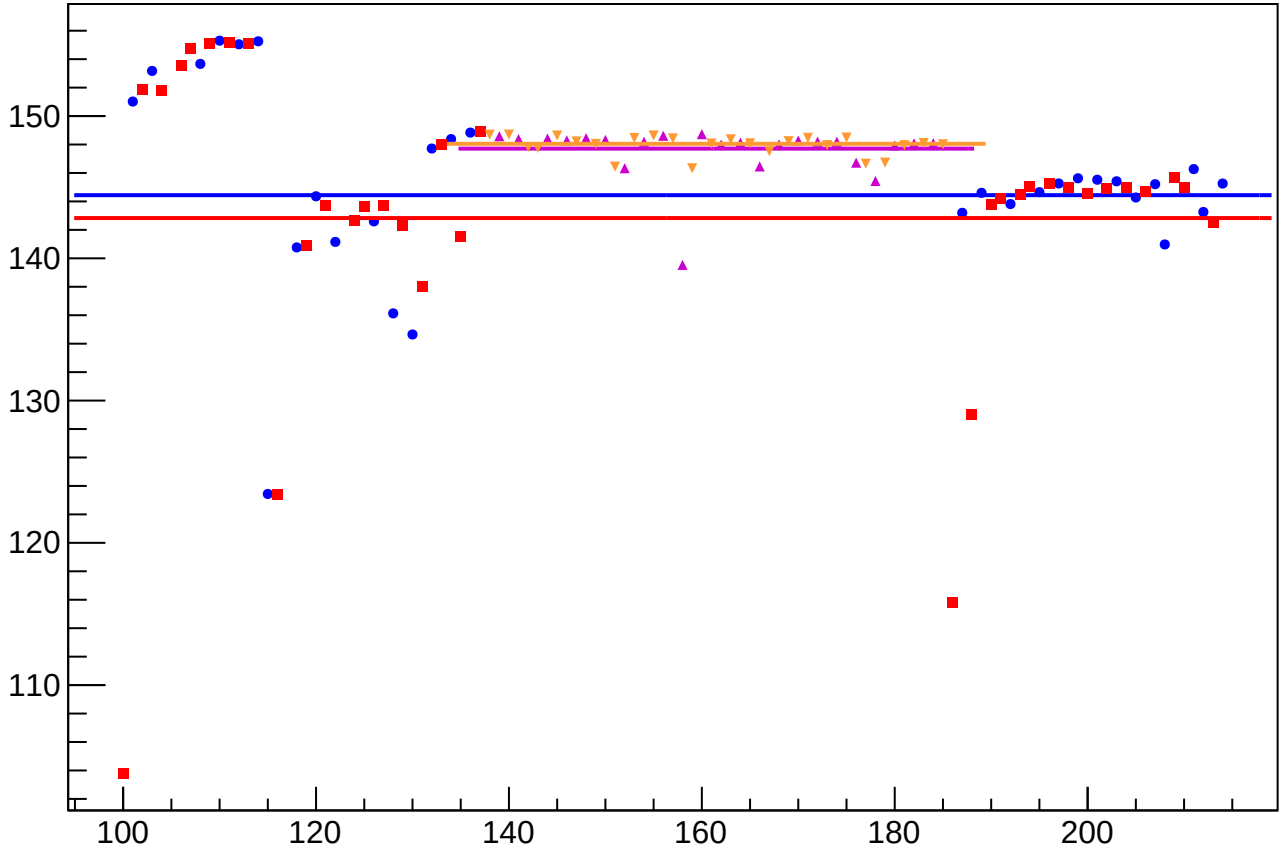
Right: 0.404+/-0.000 χ^2/NDF: 7255003.0/63

In: 0.419+/-0.000 χ^2/NDF:5622436.1/52

Out: 0.414+/-0.000 χ^2/NDF:5780998.4/58

All: 0.416+/-0.000 χ^2/NDF: 11408612.5/111

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



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

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

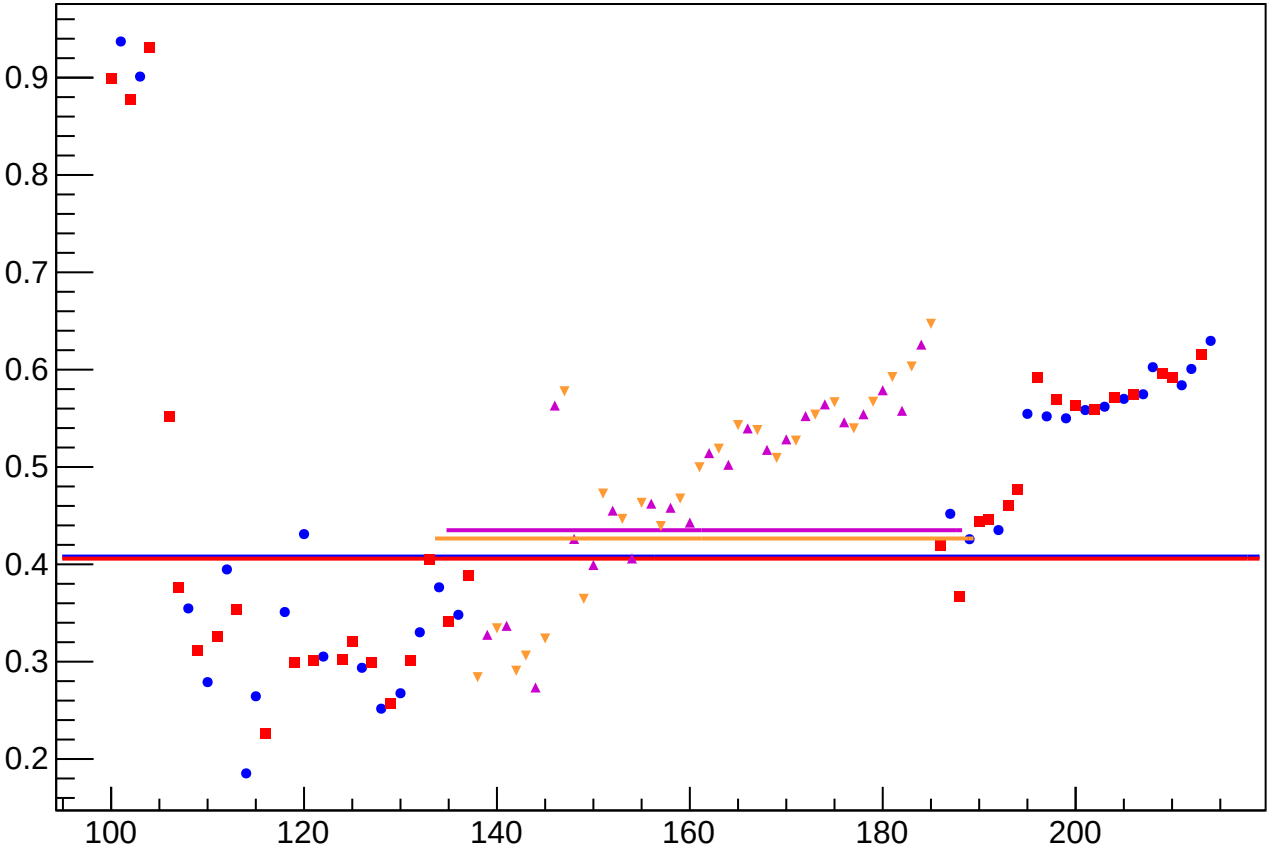
Right: 143.610+/-0.000 χ^2/NDF: 11428817486.1/63

In: 146.043+/-0.000 χ^2/NDF:4612872018.5/52

Out: 145.418+/-0.000 χ^2/NDF:8866670875.3/58

All: 145.719+/-0.000 χ^2/NDF: 13516349262.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



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

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

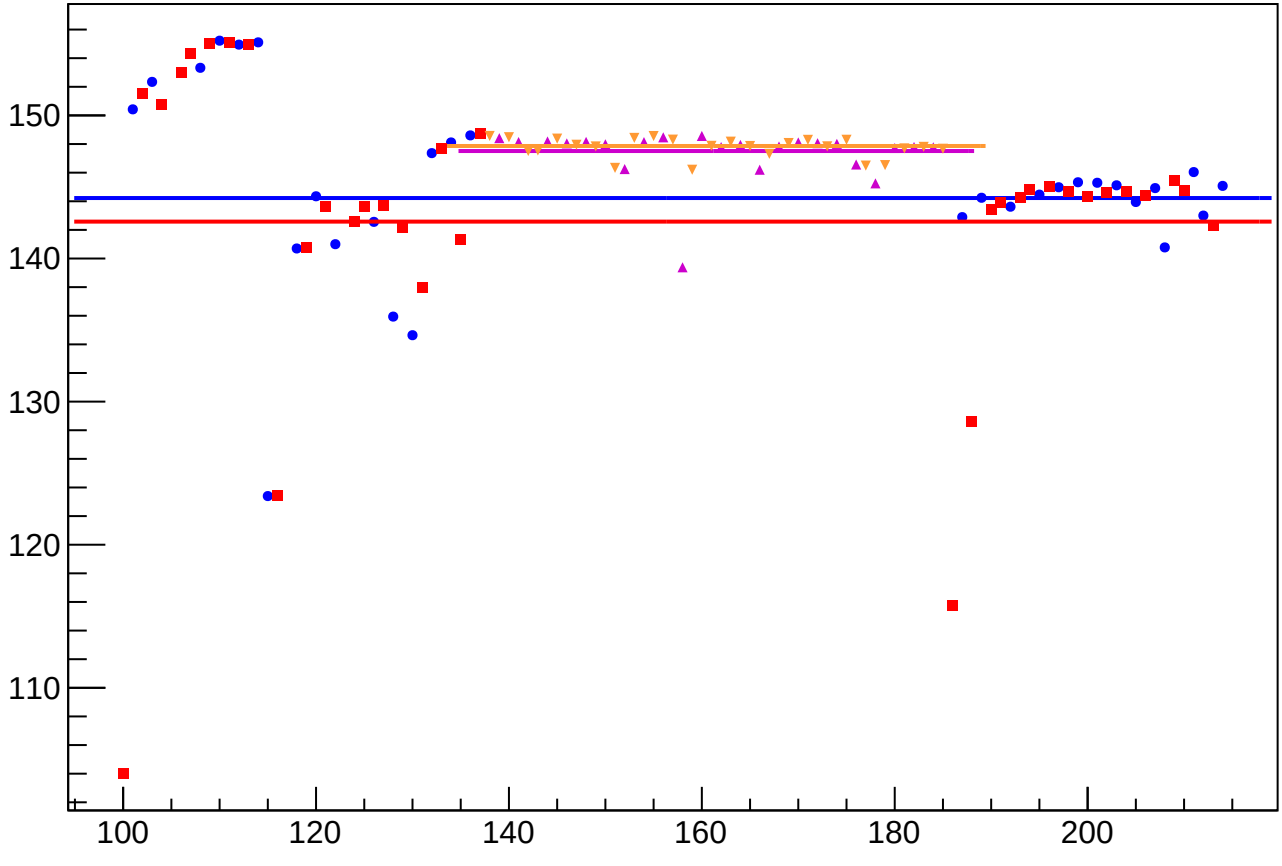
Right: 0.407+/-0.000 χ^2/NDF: 7230708.5/63

In: 0.421+/-0.000 χ^2/NDF:5599060.3/52

Out: 0.416+/-0.000 χ^2/NDF:5766954.5/58

All: 0.419+/-0.000 χ^2/NDF: 11370977.4/111

yield_bcm_an_us_mean vs Slug, Sign Corrected



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

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

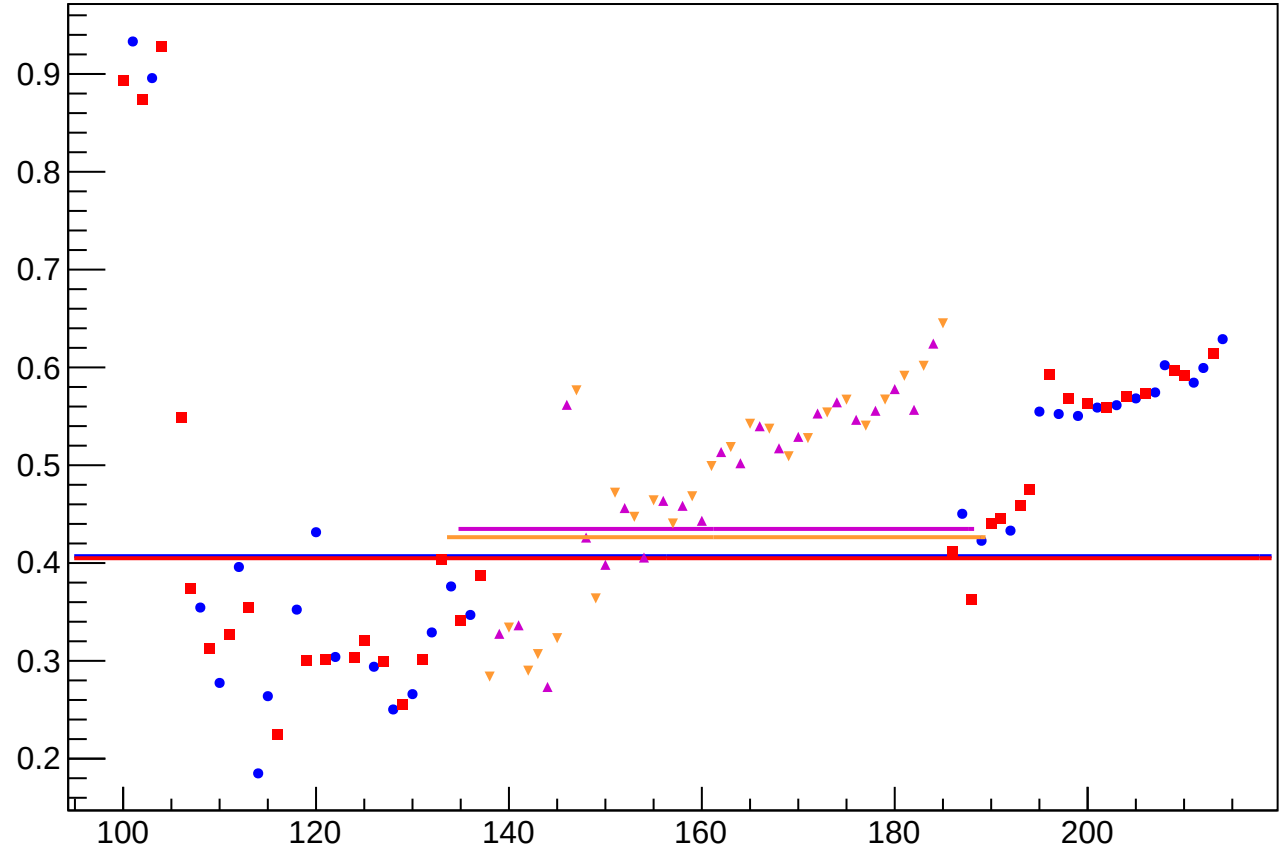
Right: 143.377+/-0.000 χ^2/NDF: 11490268190.6/63

In: 145.834+/-0.000 χ^2/NDF:4577107656.0/52

Out: 145.194+/-0.000 χ^2/NDF:8994518605.4/58

All: 145.502+/-0.000 χ^2/NDF: 13610339491.

yield_bcm_an_us_rms vs Slug, Sign Corrected



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

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

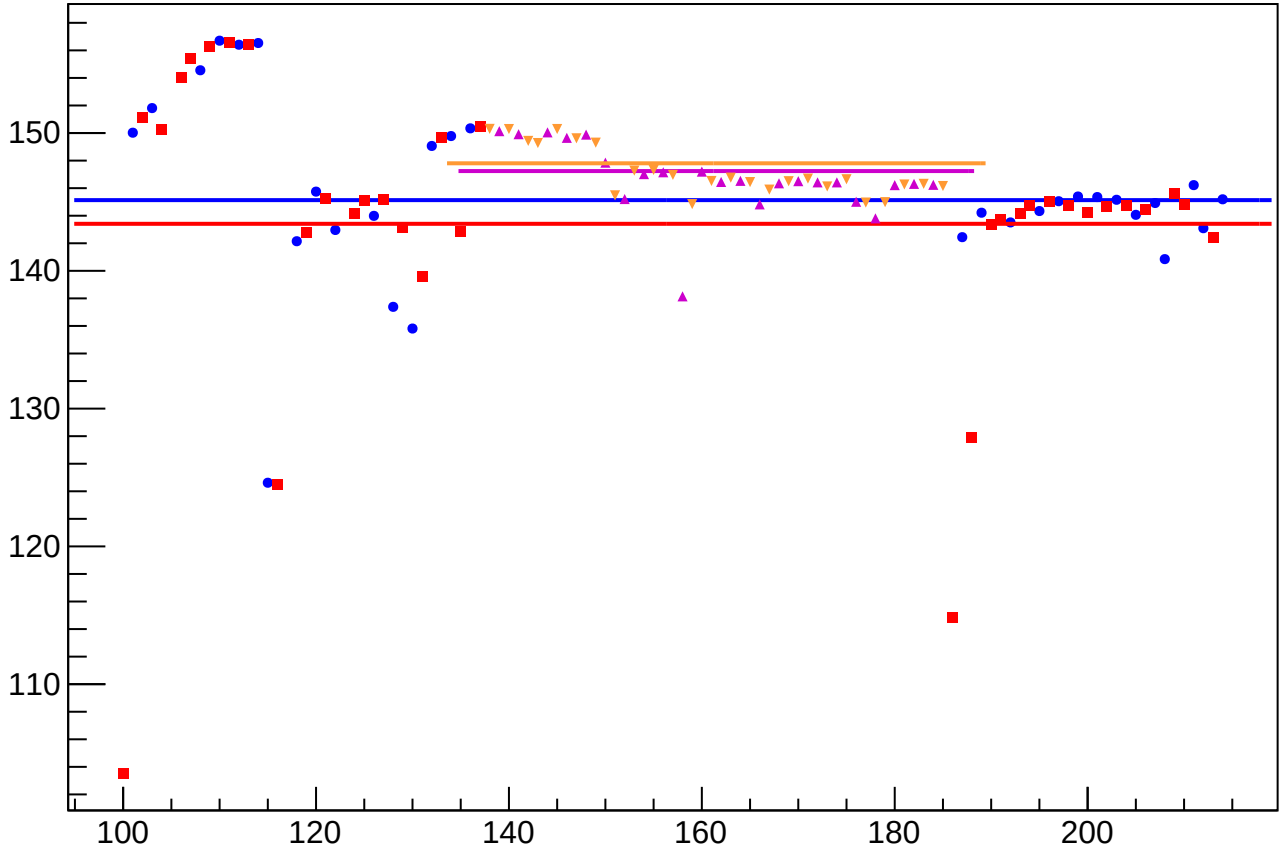
Right: 0.406+/-0.000 χ^2/NDF: 7250389.3/63

In: 0.421+/-0.000 χ^2/NDF:5626118.1/52

Out: 0.416+/-0.000 χ^2/NDF:5773993.8/58

All: 0.418+/-0.000 χ^2/NDF: 11405017.7/111

yield_bcm_dg_us_mean vs Slug, Sign Corrected



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

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

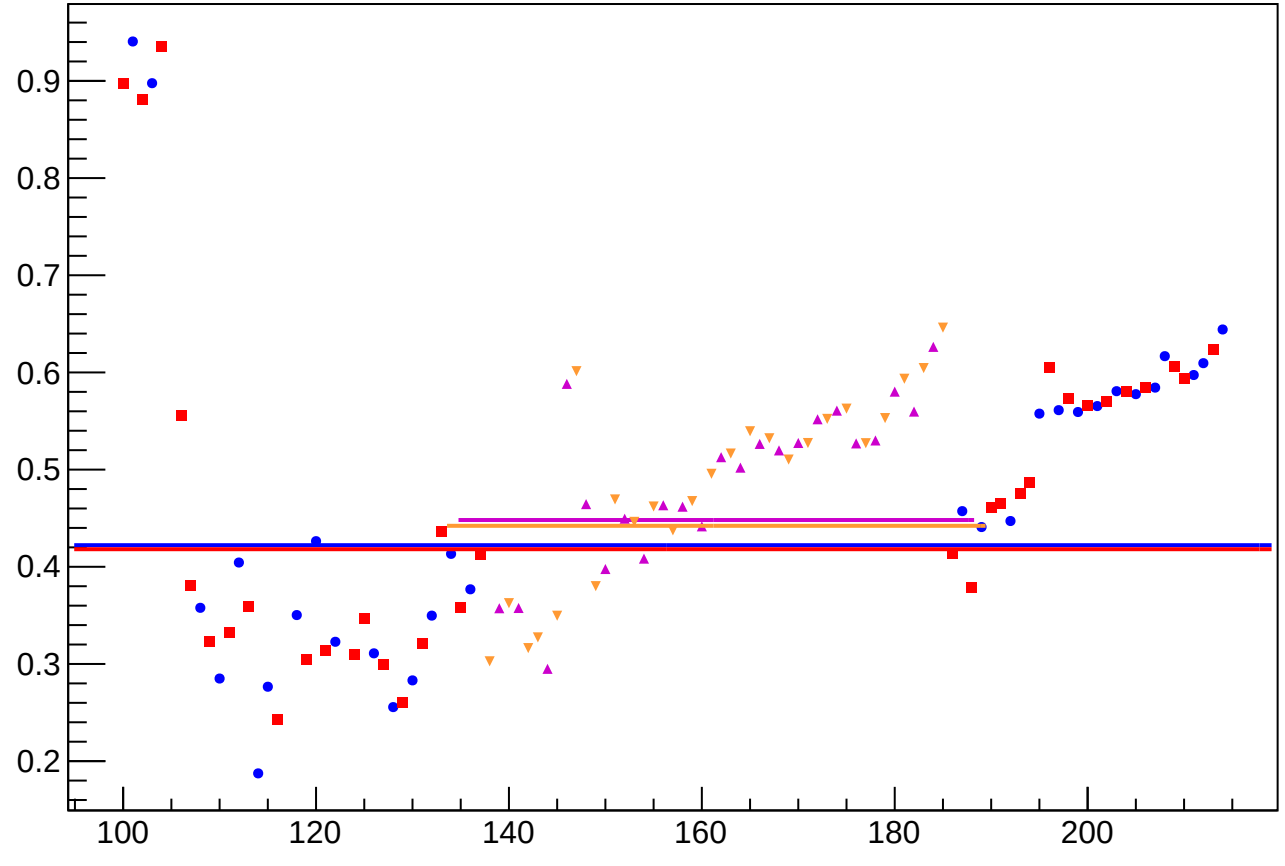
Right: 144.242+/-0.000 χ^2/NDF: 11338825034.3/63

In: 146.176+/-0.000 χ^2/NDF:4382648306.9/52

Out: 145.588+/-0.000 χ^2/NDF:8850266148.0/58

All: 145.871+/-0.000 χ^2/NDF: 13263647410.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



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

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

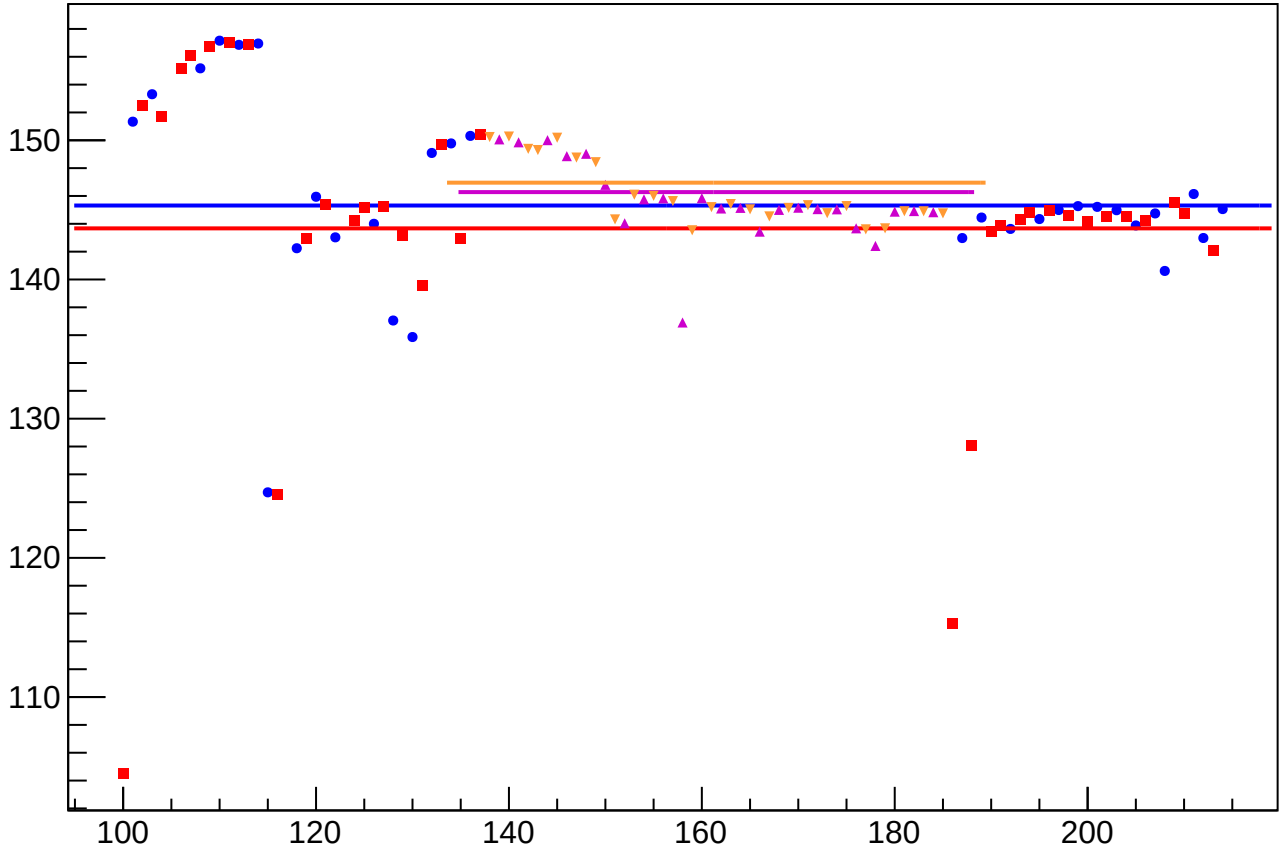
Right: 0.420+/-0.000 χ^2/NDF: 6869596.0/63

In: 0.435+/-0.000 χ^2/NDF:4981166.8/52

Out: 0.430+/-0.000 χ^2/NDF:5050075.3/58

All: 0.432+/-0.000 χ^2/NDF: 10035755.5/111

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



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

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

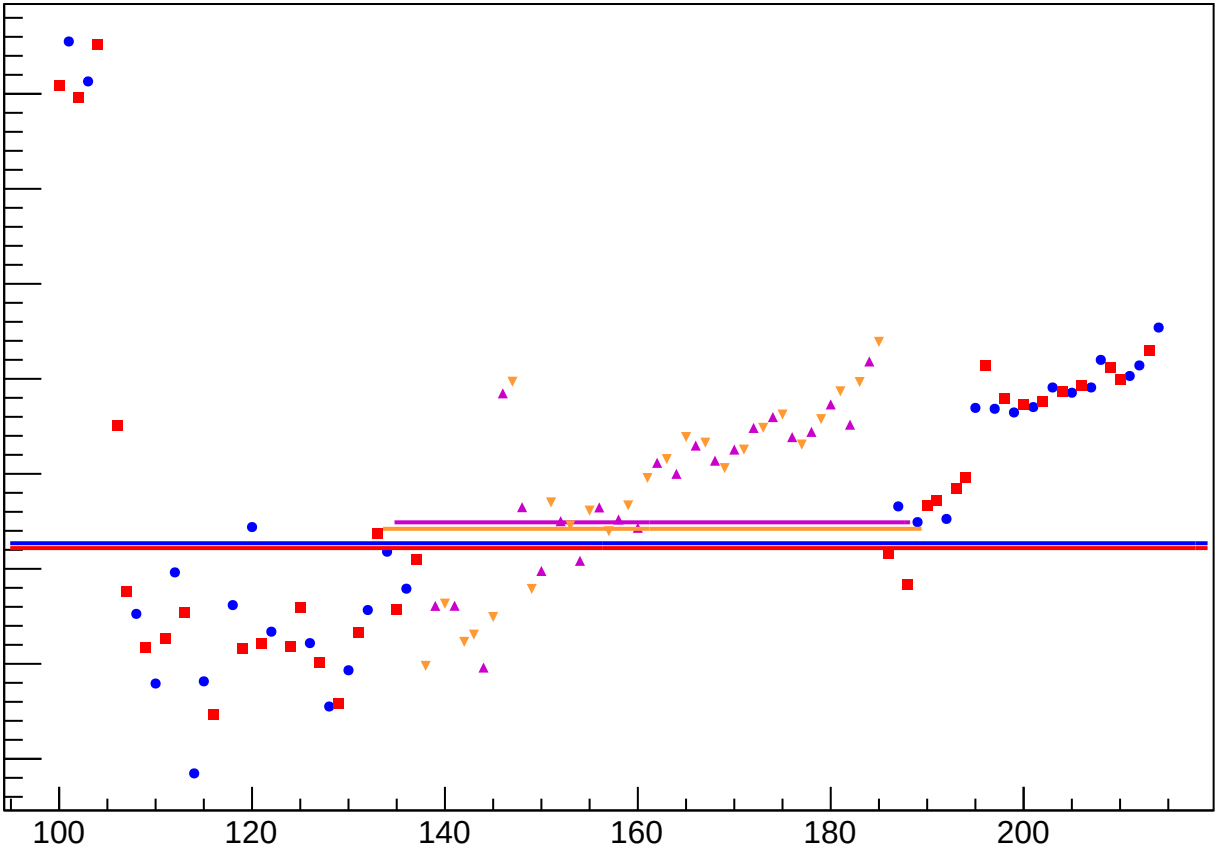
Right: 144.462+/-0.000 χ^2/NDF: 11542398009.4/63

In: 145.796+/-0.000 χ^2/NDF:4598636985.6/52

Out: 145.315+/-0.000 χ^2/NDF:8725317583.5/58

All: 145.547+/-0.000 χ^2/NDF: 13344273481.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



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

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

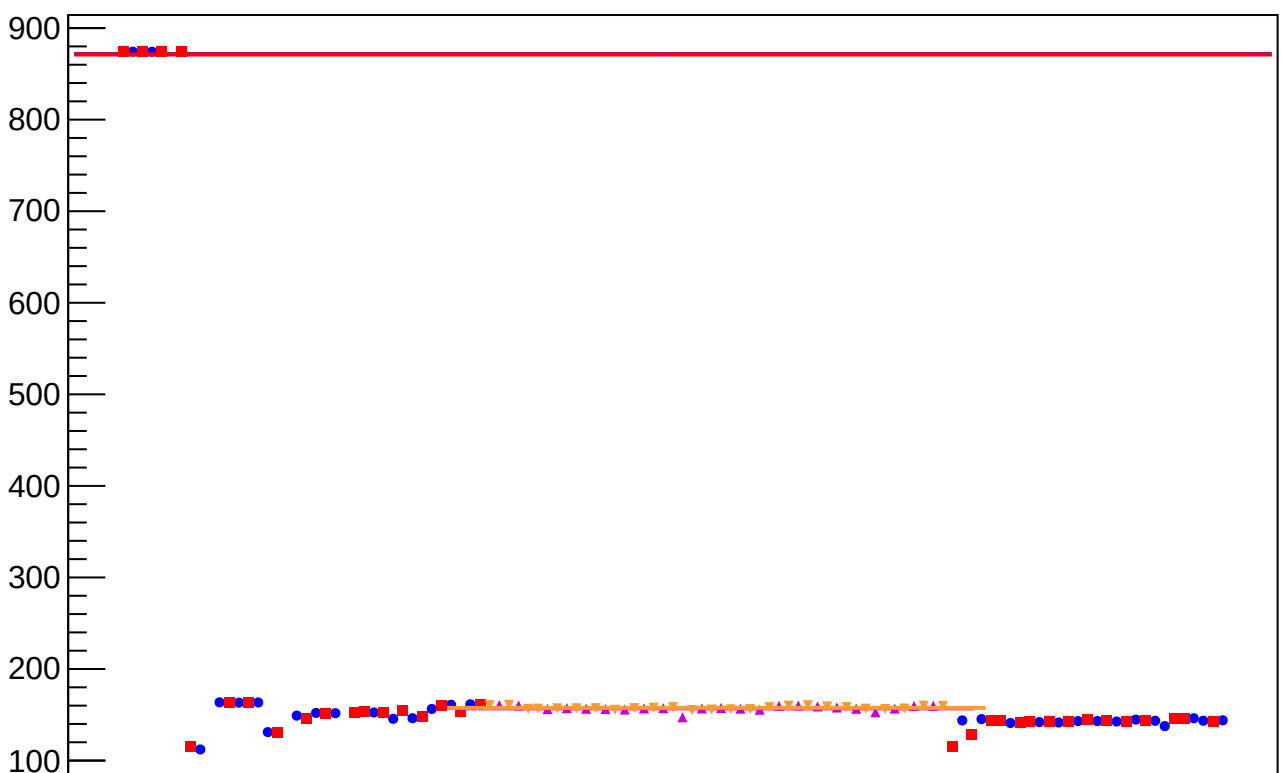
Right: 0.424+/-0.000 χ^2/NDF: 6931851.4/63

In: 0.438+/-0.000 χ^2/NDF:4950461.8/52

Out: 0.432+/-0.000 χ^2/NDF:5035158.2/58

All: 0.435+/-0.000 χ^2/NDF: 9991897.6/111

yield_cav4bQ_mean vs Slug, Sign Corrected



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

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

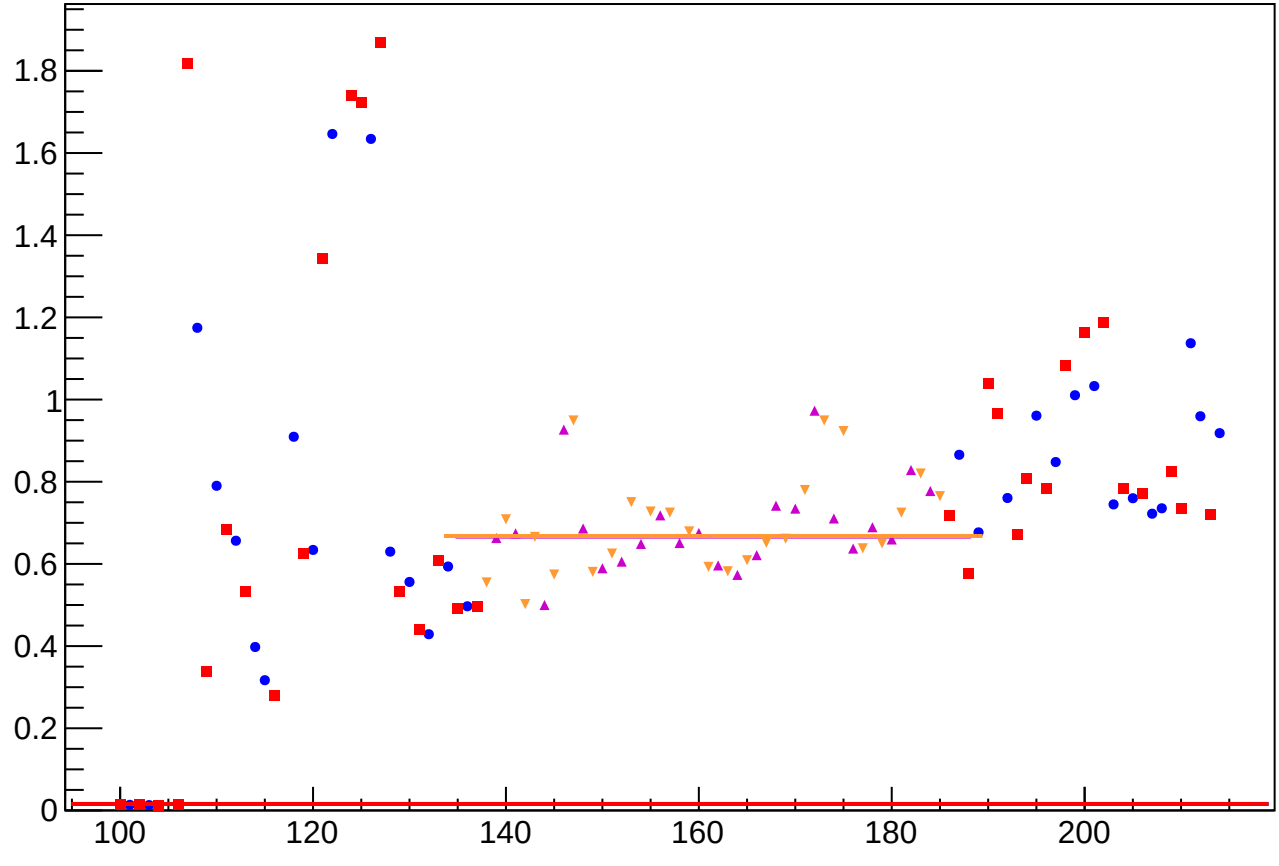
Right: 871.391+/-0.000 χ^2/NDF: 31535034970866.

In: 868.290+/-0.000 χ^2/NDF:30433814946210.8/5

Out: 868.350+/-0.000 χ^2/NDF:34759408273315.5

All: 868.322+/-0.000 χ^2/NDF: 651932369928

yield_cav4bQ_rms vs Slug, Sign Corrected



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

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

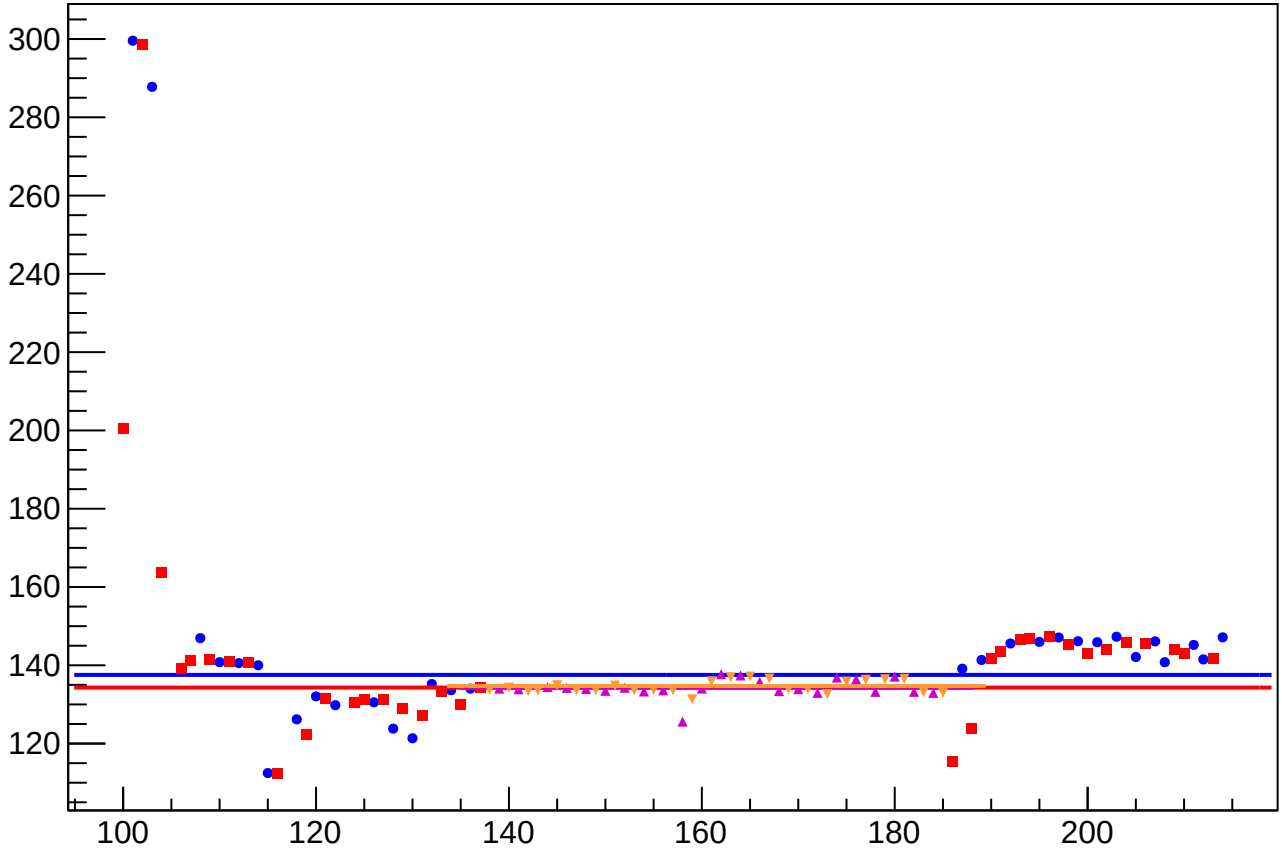
Right: 0.016+/-0.000 χ^2/NDF: 55099306.7/63

In: 0.019+/-0.000 χ^2/NDF:54679769.6/52

Out: 0.018+/-0.000 χ^2/NDF:57664205.0/58

All: 0.019+/-0.000 χ^2/NDF: 112345240.3/111

yield_cav4cQ_mean vs Slug, Sign Corrected



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

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

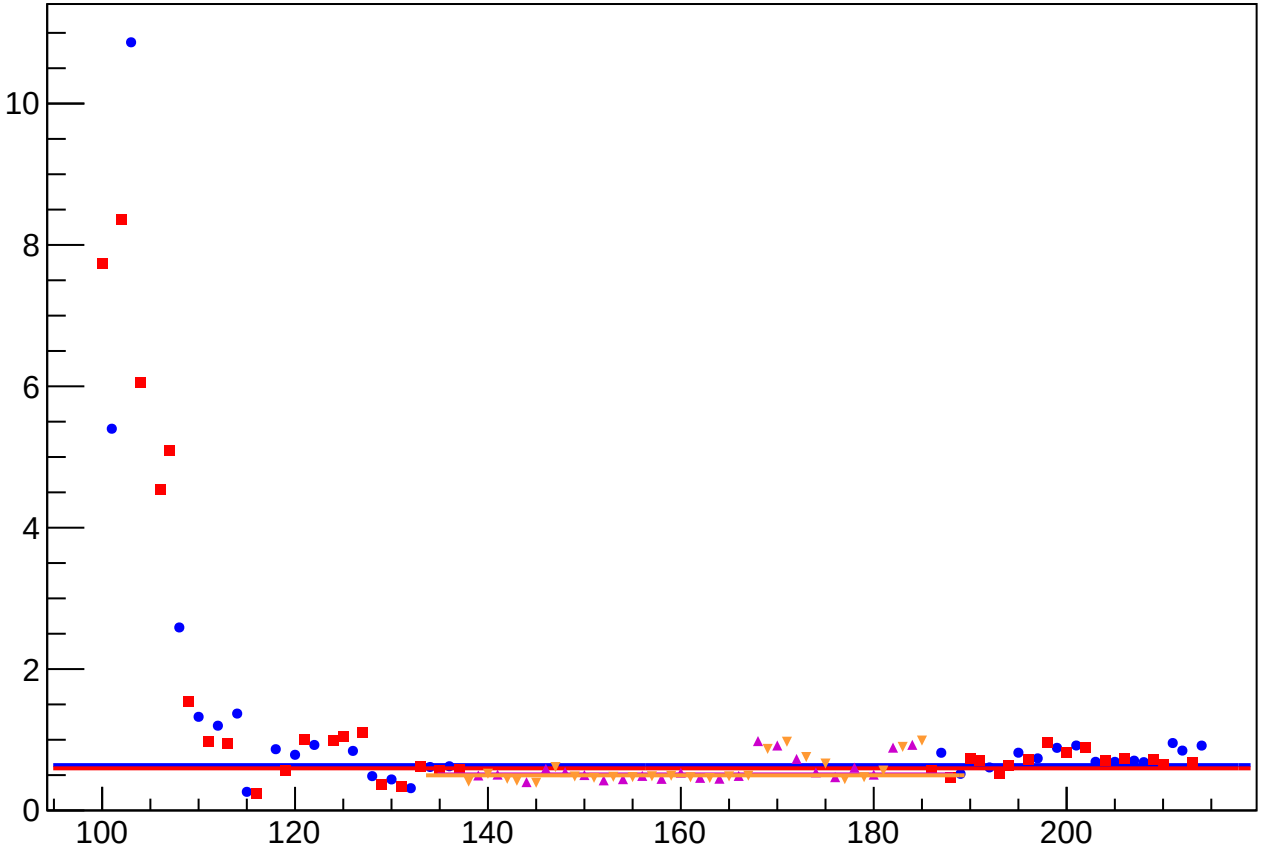
Right: 135.773+/-0.000 χ^2/NDF: 9234215573.9/63

In: 135.351+/-0.000 χ^2/NDF:4288968698.4/52

Out: 134.569+/-0.000 χ^2/NDF:5595778014.8/58

All: 134.934+/-0.000 χ^2/NDF: 9914282370.1

yield_cav4cQ_rms vs Slug, Sign Corrected



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

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

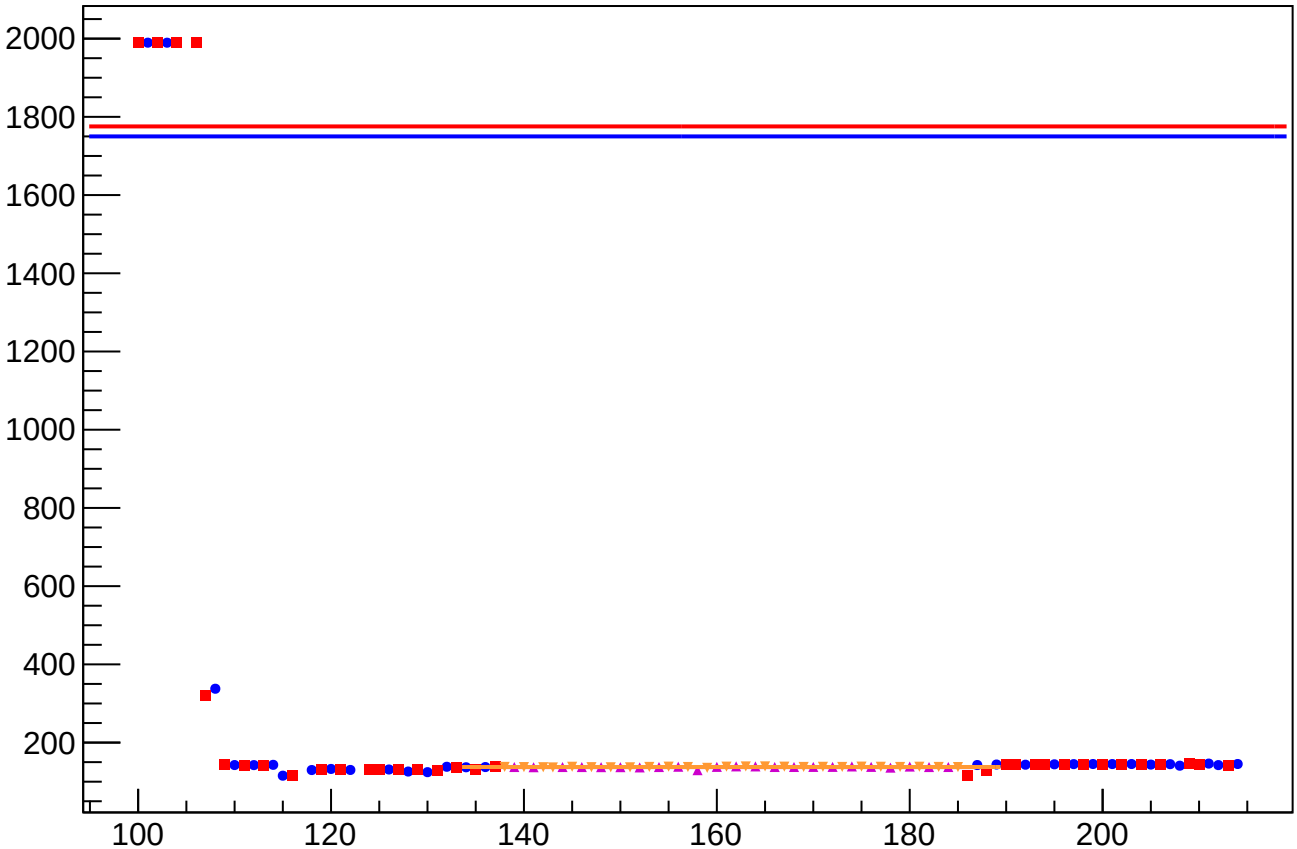
Right: 0.616+/-0.000 χ^2/NDF: 11406118.0/63

In: 0.554+/-0.000 χ^2/NDF:7481420.5/52

Out: 0.532+/-0.000 χ^2/NDF:8076901.0/58

All: 0.542+/-0.000 χ^2/NDF: 15603759.1/111

yield_cav4dQ_mean vs Slug, Sign Corrected



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

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

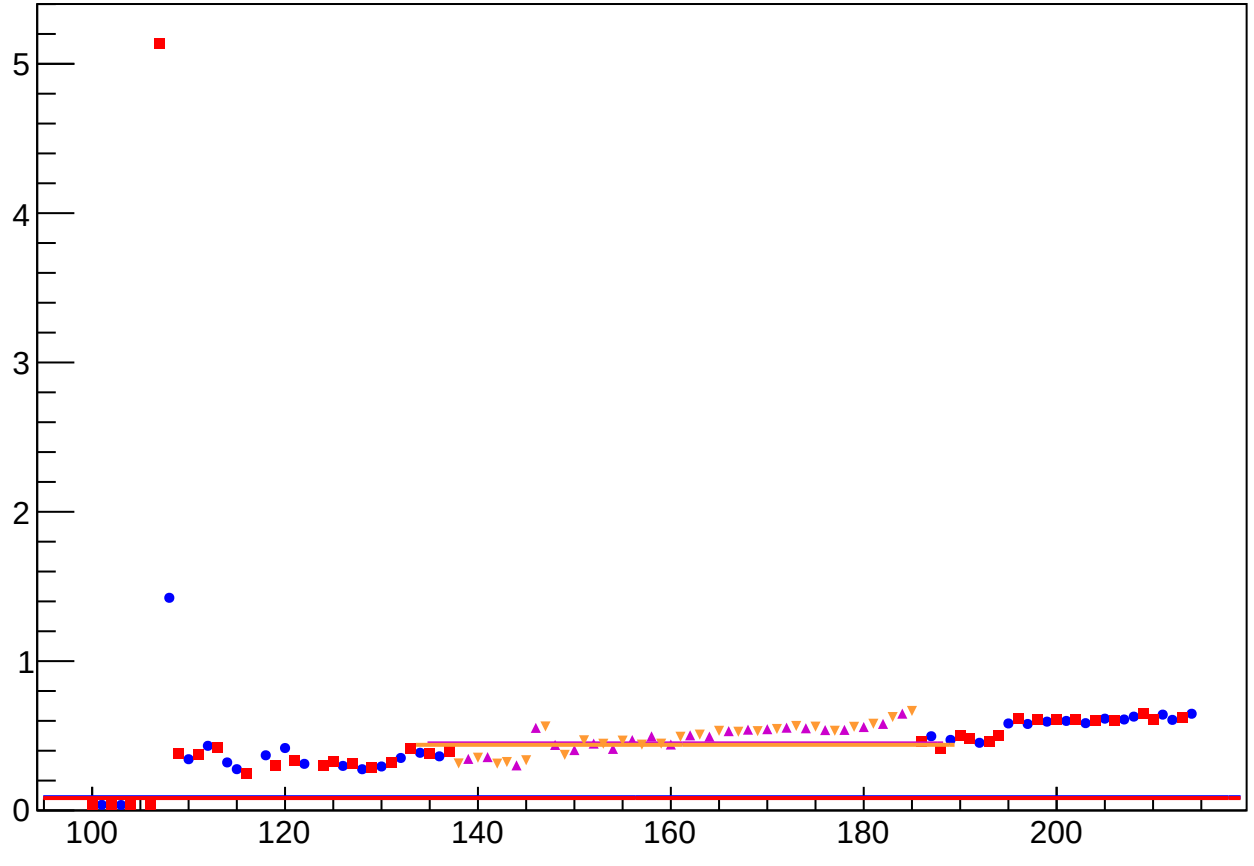
Right: 1763.736+/-0.000 χ^2/NDF: 47966119333772

In: 1550.767+/-0.000 χ^2/NDF:426226415973434.

Out: 1584.377+/-0.000 χ^2/NDF:466718942106584

All: 1568.802+/-0.000 χ^2/NDF: 8933618263

yield_cav4dQ_rms vs Slug, Sign Corrected



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

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

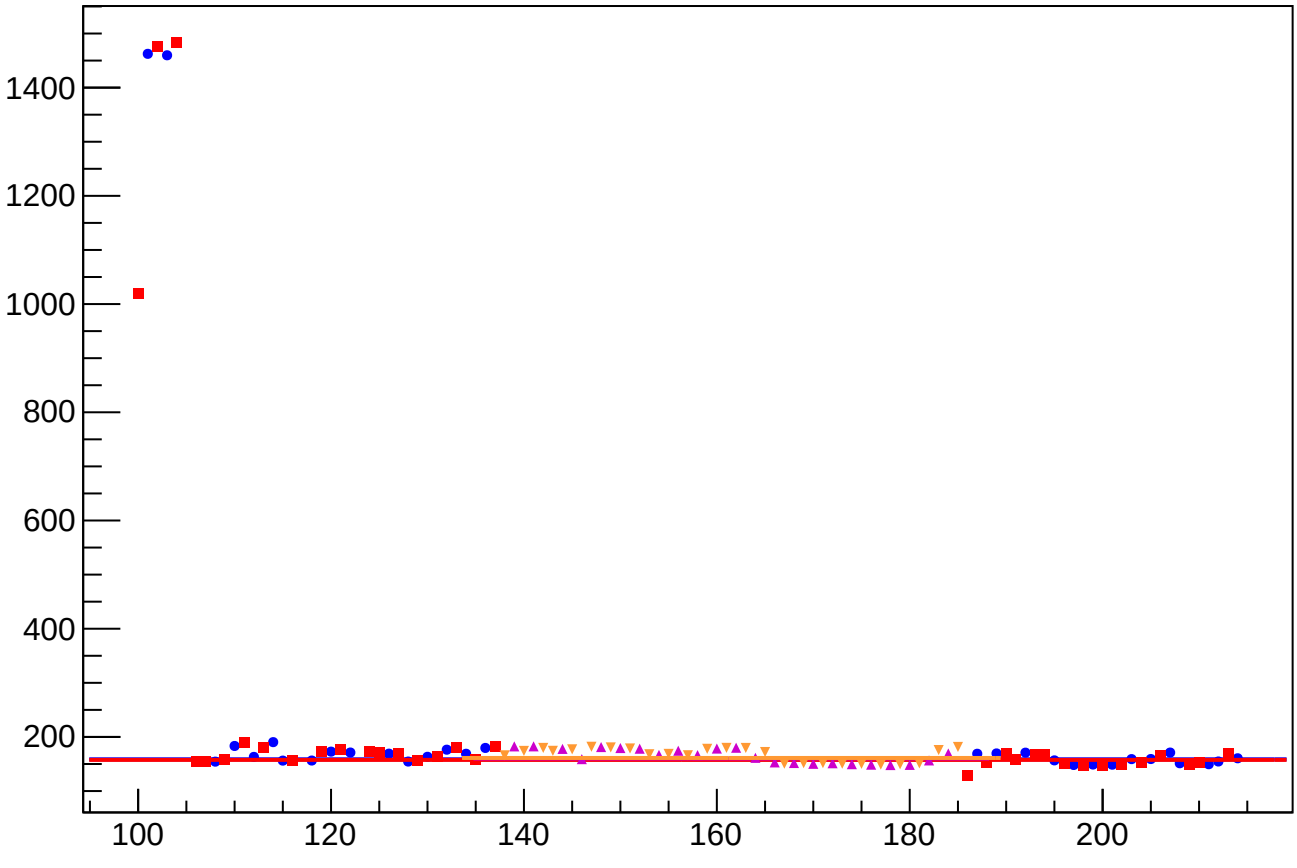
Right: 0.086+/-0.000 χ^2/NDF: 49143730.2/63

In: 0.133+/-0.000 χ^2/NDF:44927088.0/52

Out: 0.125+/-0.000 χ^2/NDF:47490712.6/58

All: 0.129+/-0.000 χ^2/NDF: 92476193.8/111

yield_bcm0l02_mean vs Slug, Sign Corrected



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

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

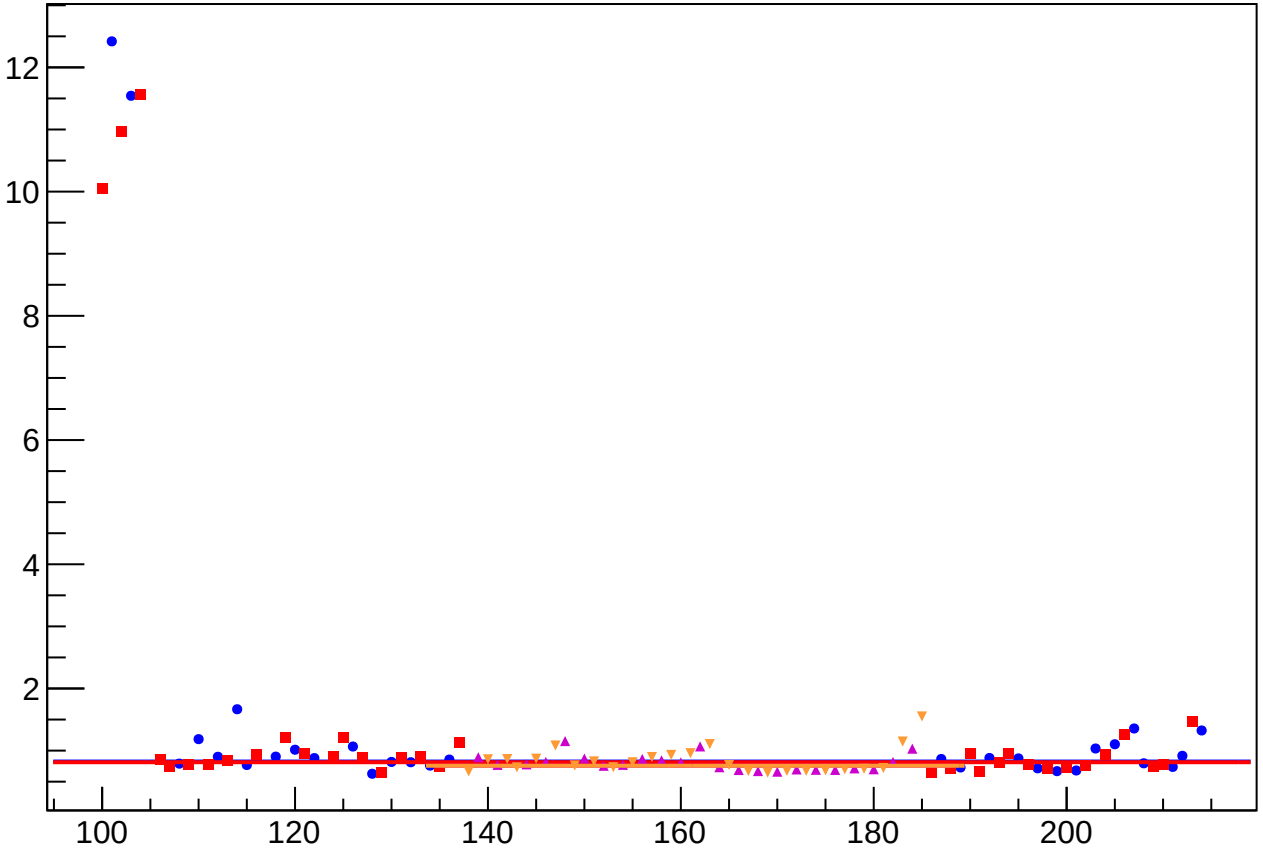
Right: 158.100+/-0.000 χ^2/NDF: 34377411457.0/63

In: 159.496+/-0.000 χ^2/NDF:19755117023.2/52

Out: 159.566+/-0.000 χ^2/NDF:22249552113.5/58

All: 159.532+/-0.000 χ^2/NDF: 42004775764.

yield_bcm0l02_rms vs Slug, Sign Corrected



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

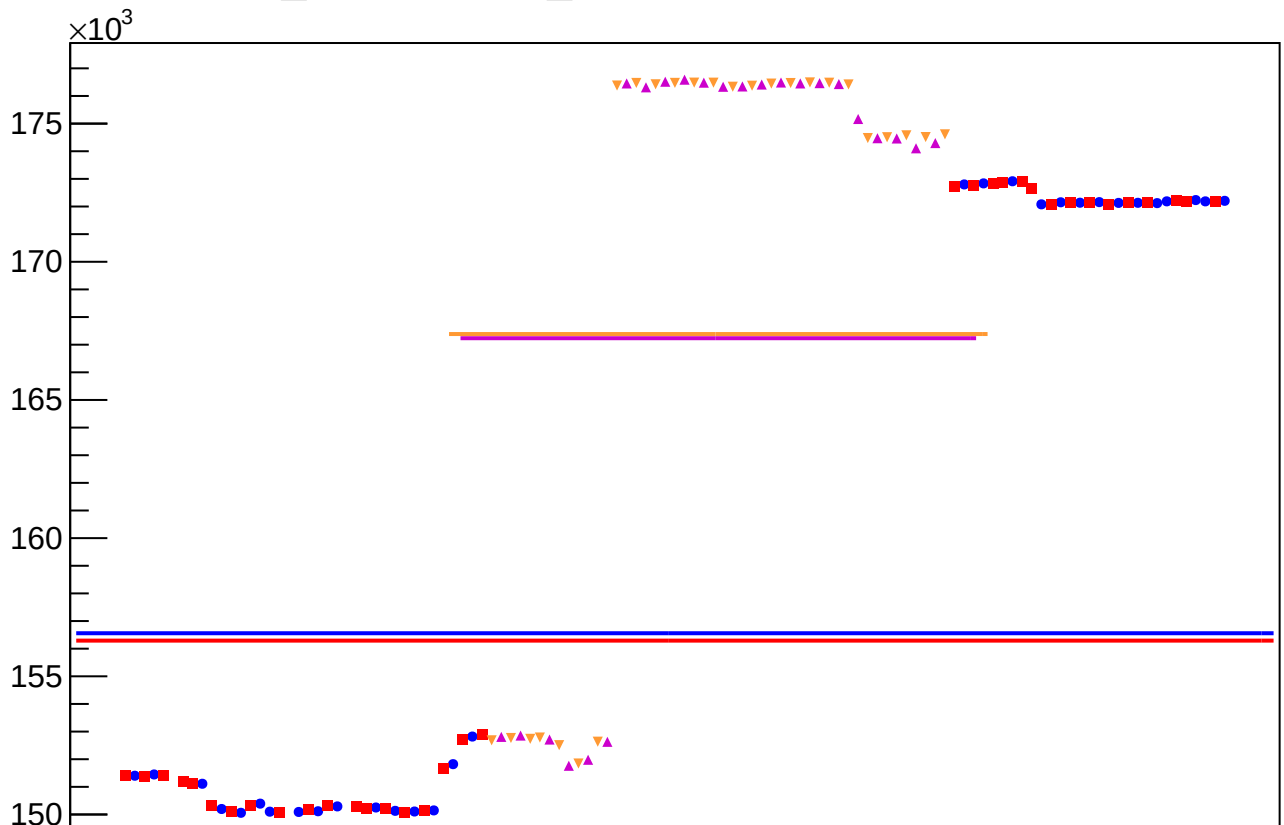
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.818+/-0.000 χ^2/NDF: 5906833.7/63

In: 0.785+/-0.000 χ^2/NDF:3612933.5/52

Out: 0.782+/-0.000 χ^2/NDF:3680236.2/58

All: 0.783+/-0.000 χ^2/NDF: 7293638.4/111



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

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

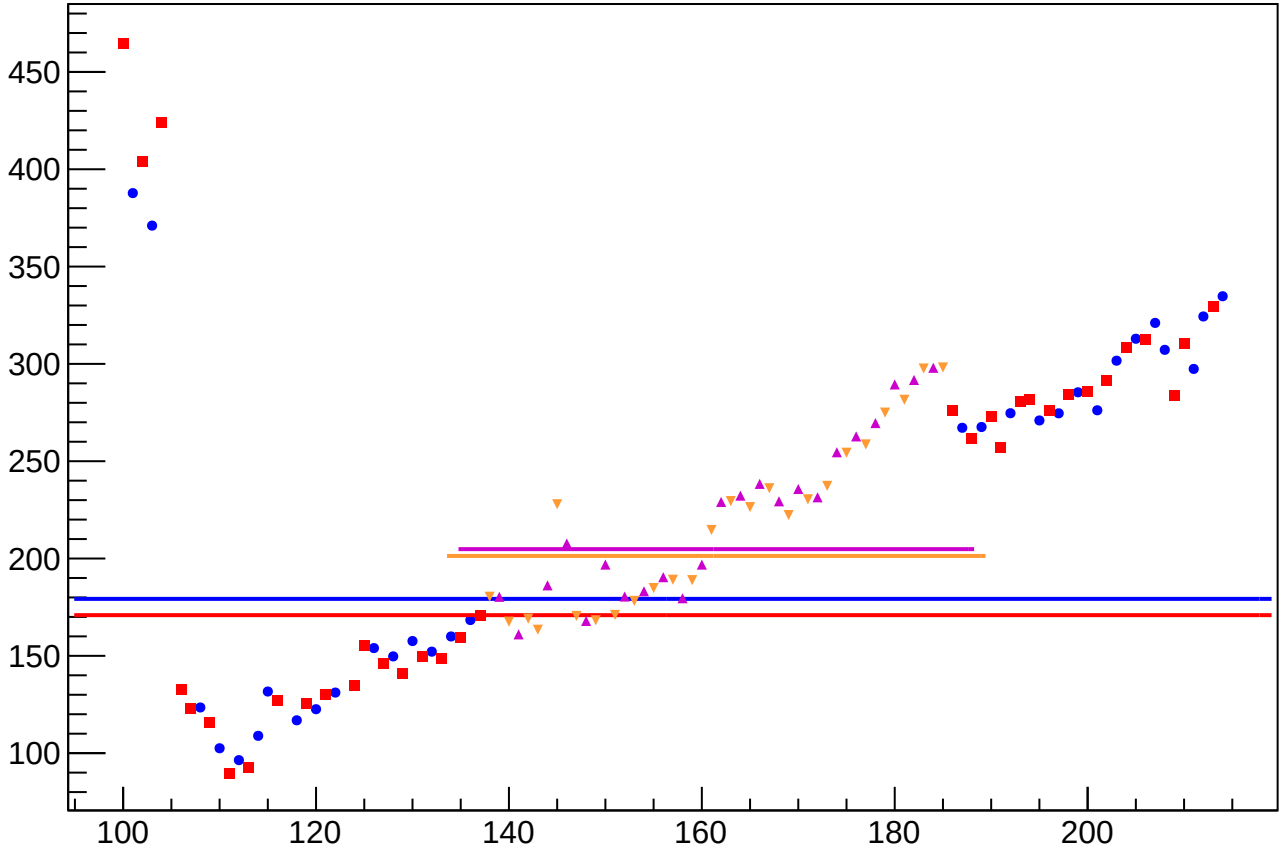
Right: 156417.270+/-0.032 χ^2/NDF: 92162529983.

In: 161628.079+/-0.034 χ^2/NDF:124018957028.5

Out: 161476.347+/-0.032 χ^2/NDF:137903568292.

All: 161548.218+/-0.023 χ^2/NDF: 261933209

yield_bpm2i01WS_rms vs Slug, Sign Corrected



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

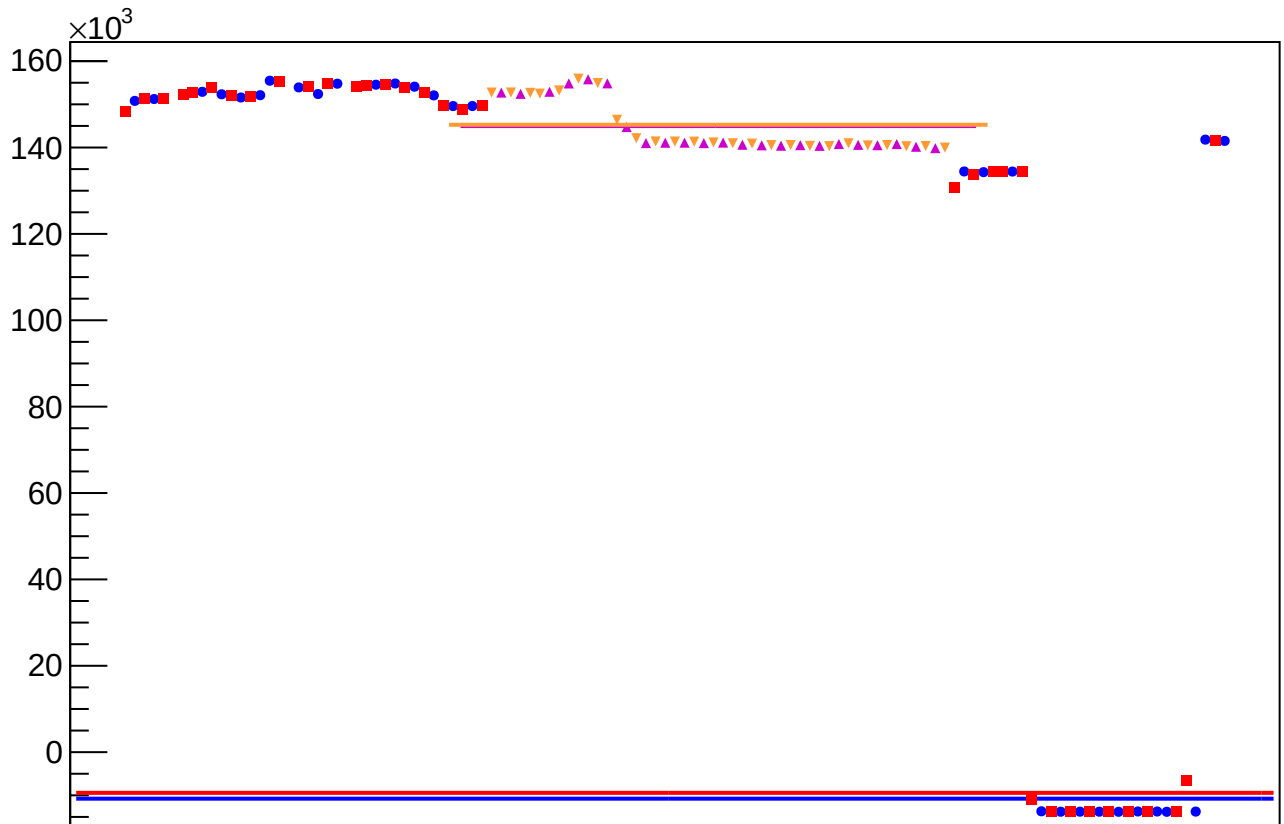
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 174.836+/-0.023 χ^2/NDF: 12956525.2/63

In: 191.406+/-0.024 χ^2/NDF:7446179.7/52

Out: 185.122+/-0.023 χ^2/NDF:8498553.4/58

All: 188.098+/-0.016 χ^2/NDF: 15981384.8/11



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

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

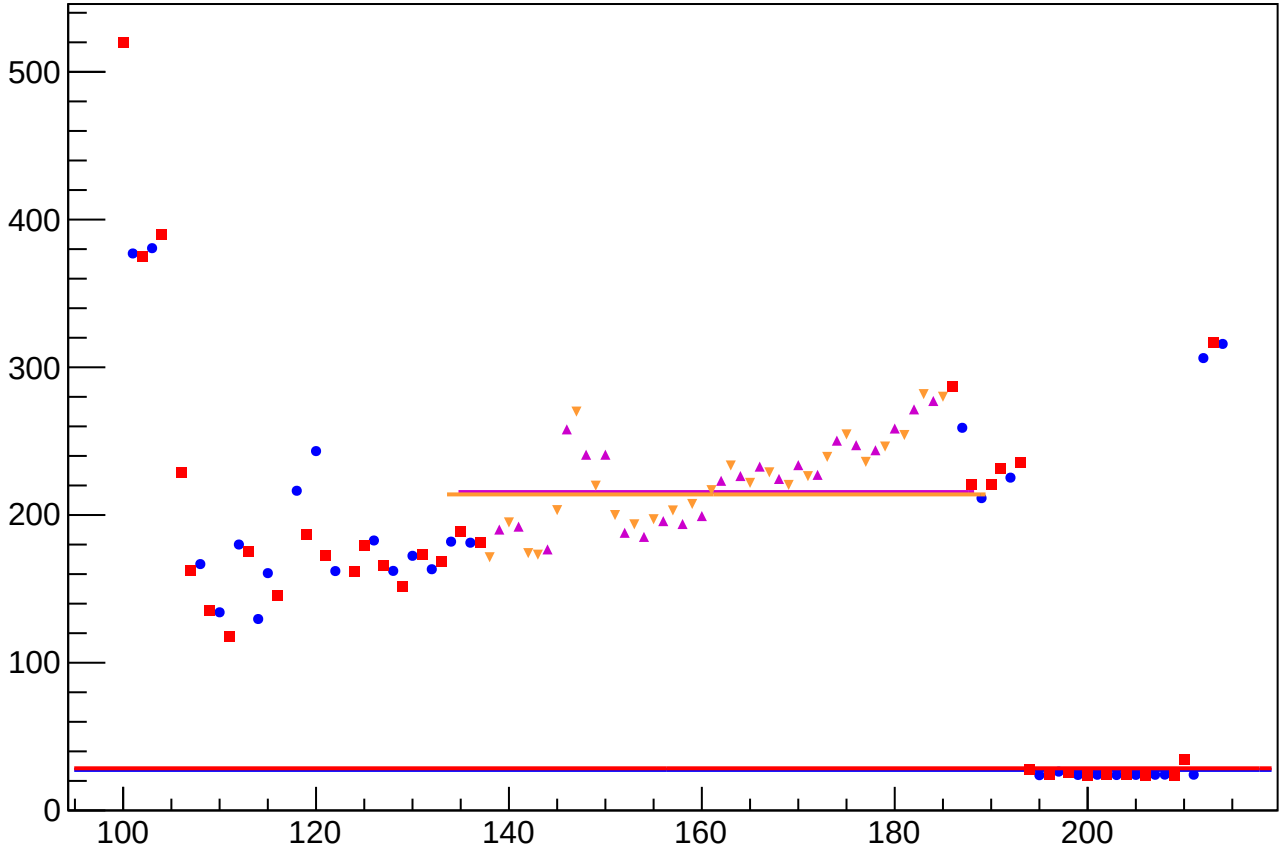
Right: -10142.024+/-0.006 χ^2/NDF: 136348240936

In: -6358.054+/-0.009 χ^2/NDF:15284113423345.

Out: -4031.052+/-0.009 χ^2/NDF:16823588398949

All: -5272.613+/-0.006 χ^2/NDF: 3214170839

yield_bpm0i07WS_rms vs Slug, Sign Corrected



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

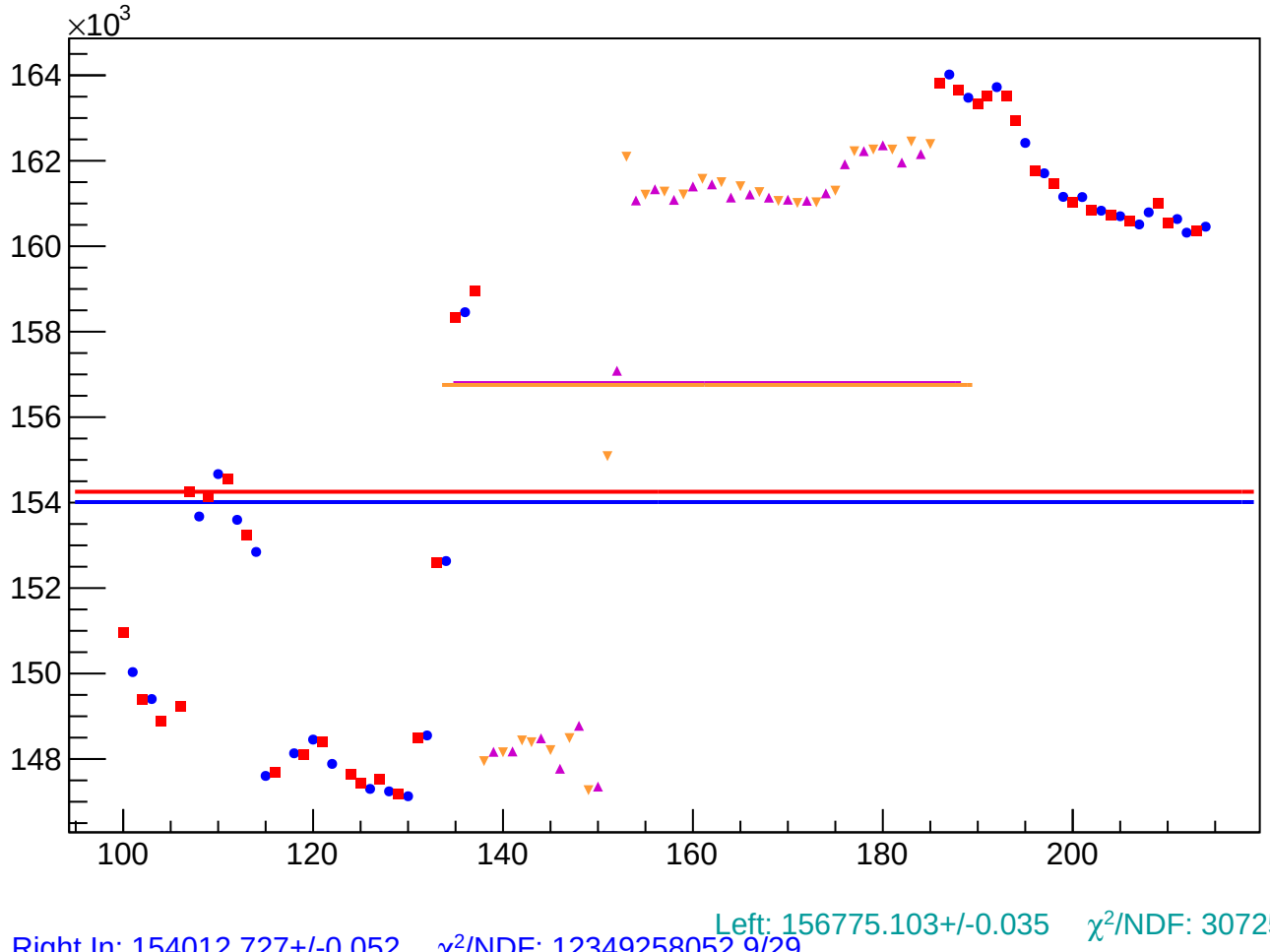
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 27.956+/-0.005 χ^2/NDF: 31426709.6/63

In: 32.782+/-0.006 χ^2/NDF:42286968.1/52

Out: 34.993+/-0.007 χ^2/NDF:43805299.9/58

All: 33.813+/-0.004 χ^2/NDF: 86153680.4/111



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

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

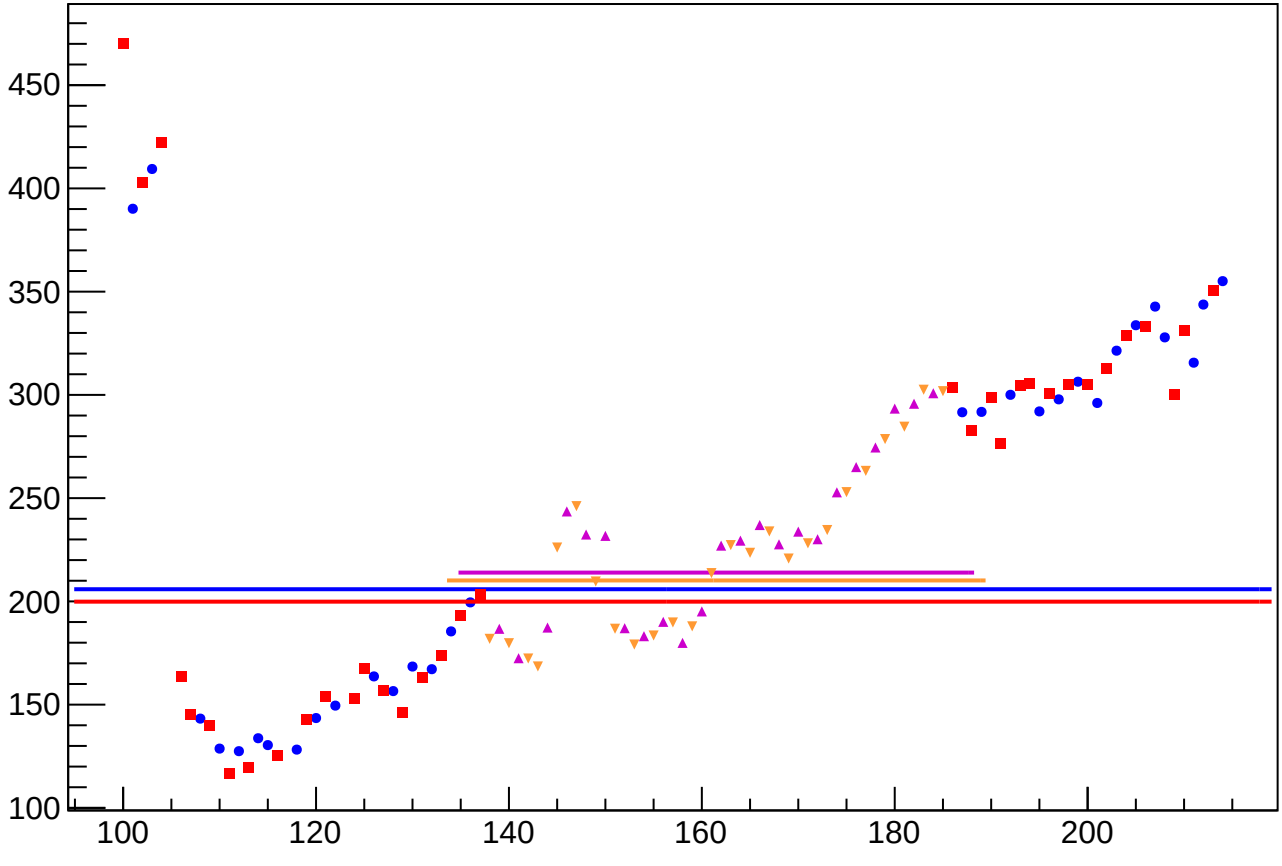
Right: 154138.557+/-0.036 χ^2/NDF: 25518494173.9

In: 155445.619+/-0.037 χ^2/NDF:28144326665.6/5

Out: 155545.109+/-0.035 χ^2/NDF:30816791356.8

All: 155497.580+/-0.025 χ^2/NDF: 58964988

yield_bpm0i01WS_rms vs Slug, Sign Corrected



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

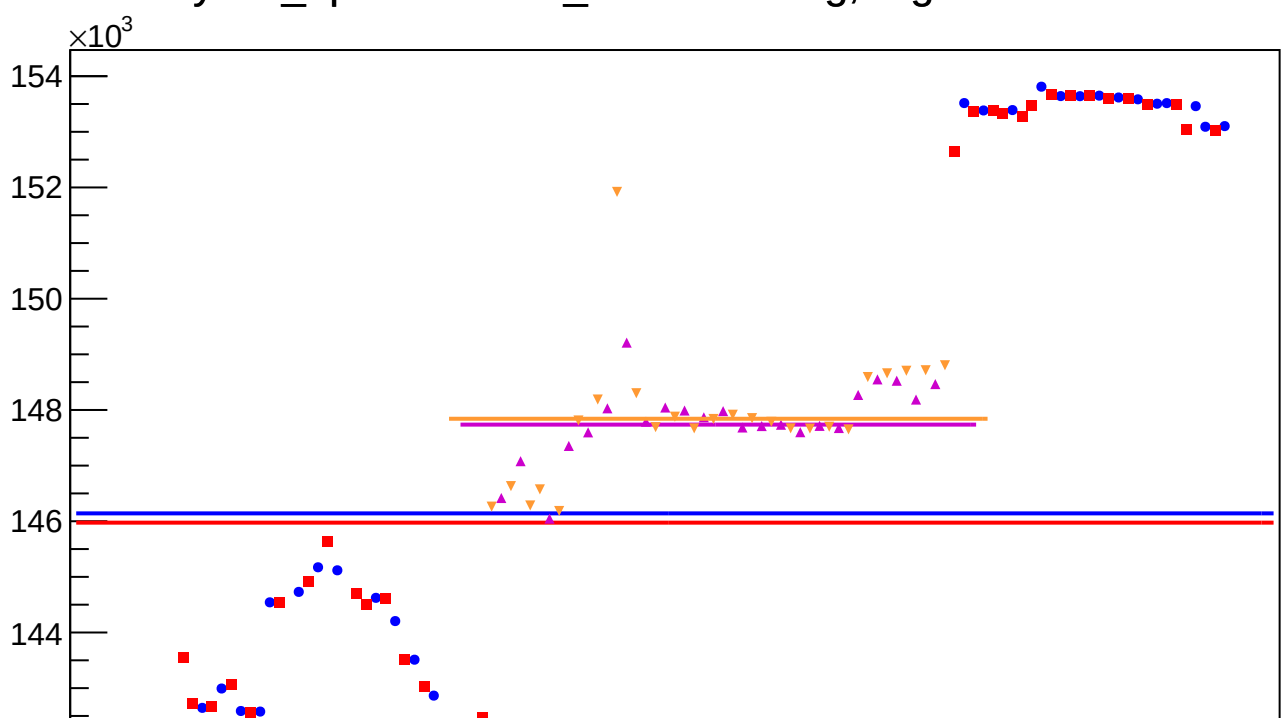
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 202.752+/-0.026 χ^2/NDF: 10519489.5/63

In: 210.034+/-0.026 χ^2/NDF:6009081.4/52

Out: 205.175+/-0.025 χ^2/NDF:6476344.6/58

All: 207.496+/-0.018 χ^2/NDF: 12503896.4/1



Right In: 146141.406+/-0.045 χ^2/NDF: 10755473737.0/29

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145974.511+/-0.043 χ^2/NDF: 11648588965.1/33

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

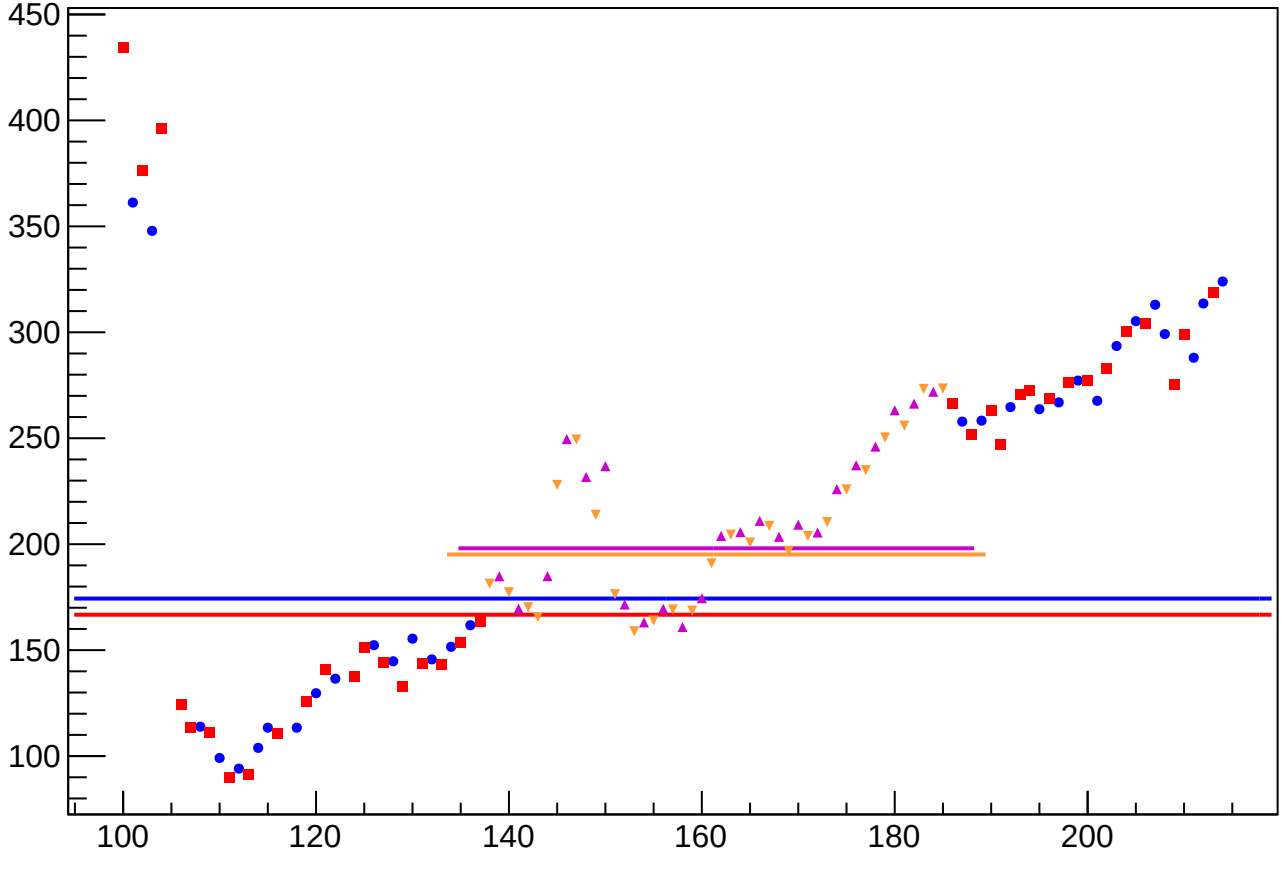
Right: 146053.076+/-0.031 χ^2/NDF: 22411285994.7

In: 146904.412+/-0.033 χ^2/NDF:1157897440 5.7/5

Out: 146854.634+/-0.031 χ^2/NDF:13267175378.1/

All: 146878.233+/-0.022 χ^2/NDF: 24847373

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



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

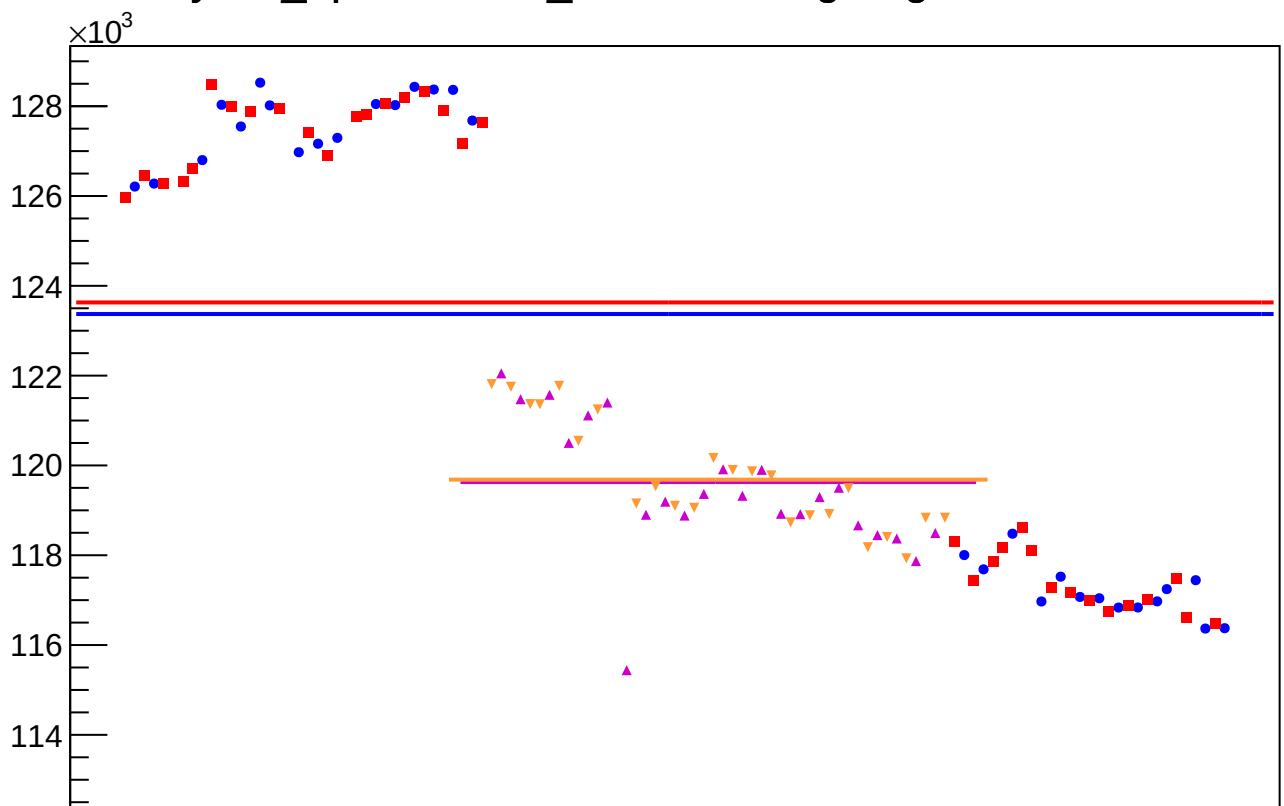
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 170.303+/-0.022 χ^2/NDF: 12727385.5/63

In: 185.681+/-0.023 χ^2/NDF:7206788.0/52

Out: 180.114+/-0.022 χ^2/NDF:7978193.7/58

All: 182.753+/-0.016 χ^2/NDF: 15215600.1/11



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

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

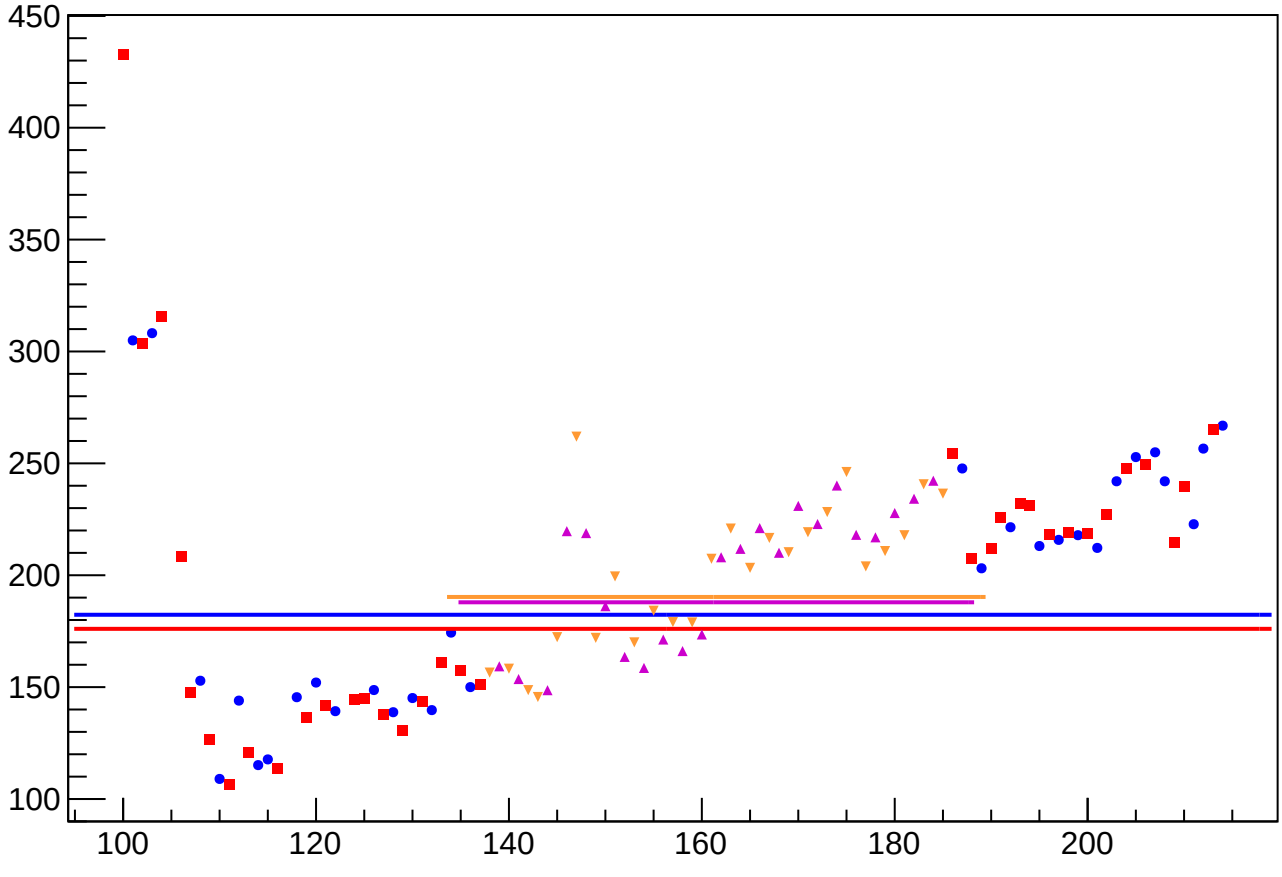
Right: 123506.763+/-0.031 χ^2/NDF: 27870977890.0

In: 121509.693+/-0.032 χ^2/NDF:18296396213.3/5

Out: 121726.134+/-0.031 χ^2/NDF:20450850211.0/

All: 121621.335+/-0.022 χ^2/NDF: 38771243

yield_bpm0l01WS_rms vs Slug, Sign Corrected



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

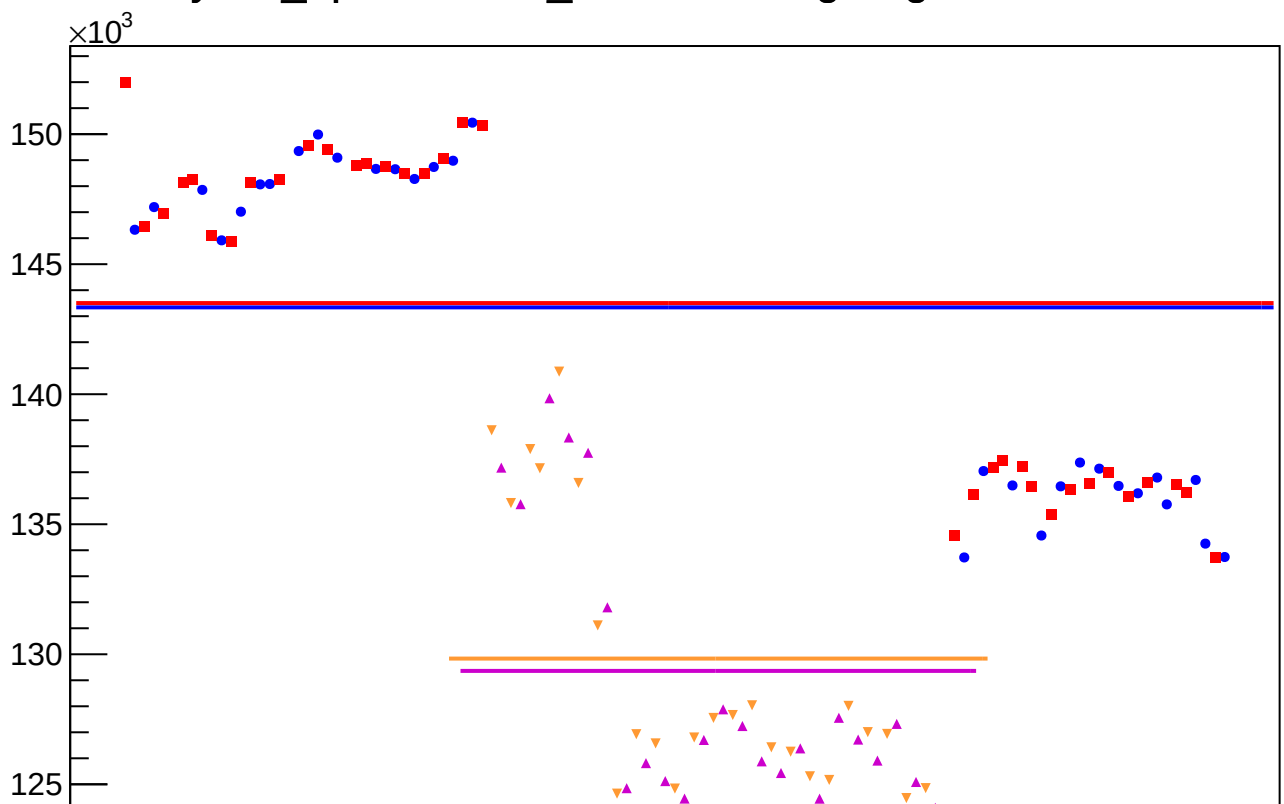
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 179.048+/-0.022 χ^2/NDF: 5727847.4/63

In: 185.111+/-0.022 χ^2/NDF:3536026.5/52

Out: 182.923+/-0.022 χ^2/NDF:4144399.1/58

All: 183.982+/-0.016 χ^2/NDF: 7685330.1/111



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

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

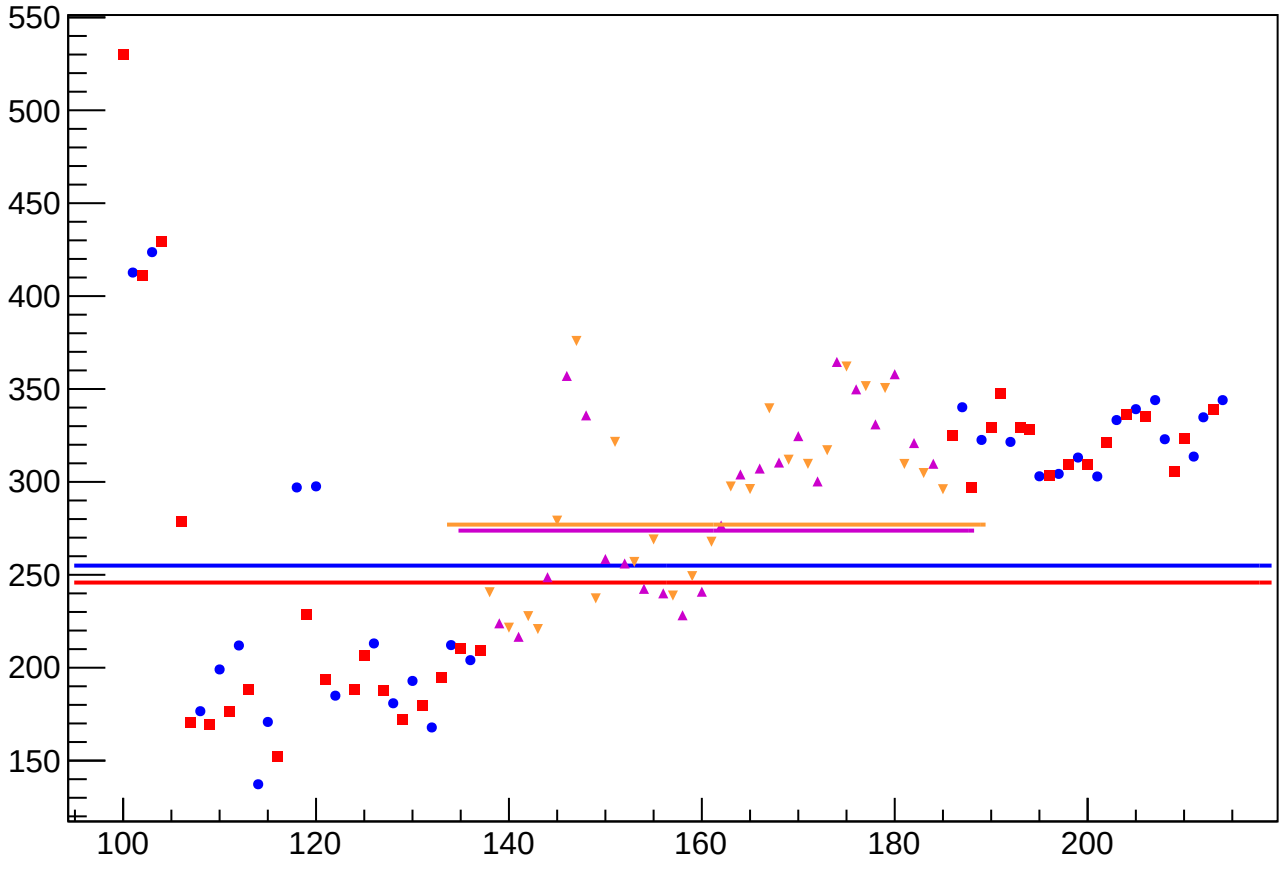
Right: 143426.178+/-0.043 χ^2/NDF: 20220015852.

In: 136647.073+/-0.045 χ^2/NDF:40463035058.3/5

Out: 137178.280+/-0.044 χ^2/NDF:41380051325.5

All: 136921.909+/-0.031 χ^2/NDF: 819144865

yield_bpm0l02WS_rms vs Slug, Sign Corrected



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

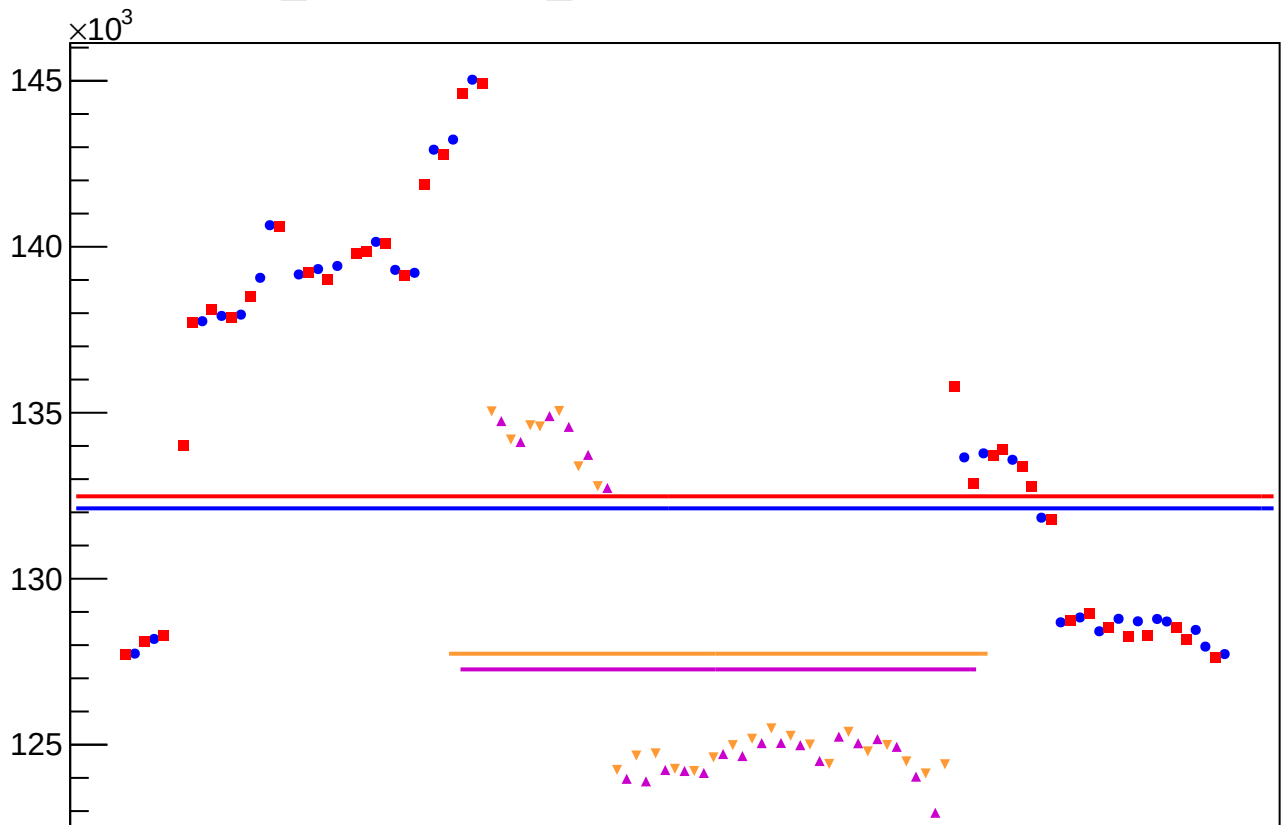
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 250.164+/-0.031 χ^2/NDF: 5635583.1/63

In: 263.968+/-0.032 χ^2/NDF:3746479.2/52

Out: 260.265+/-0.031 χ^2/NDF:4157540.3/58

All: 262.052+/-0.022 χ^2/NDF: 7910957.6/11



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

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

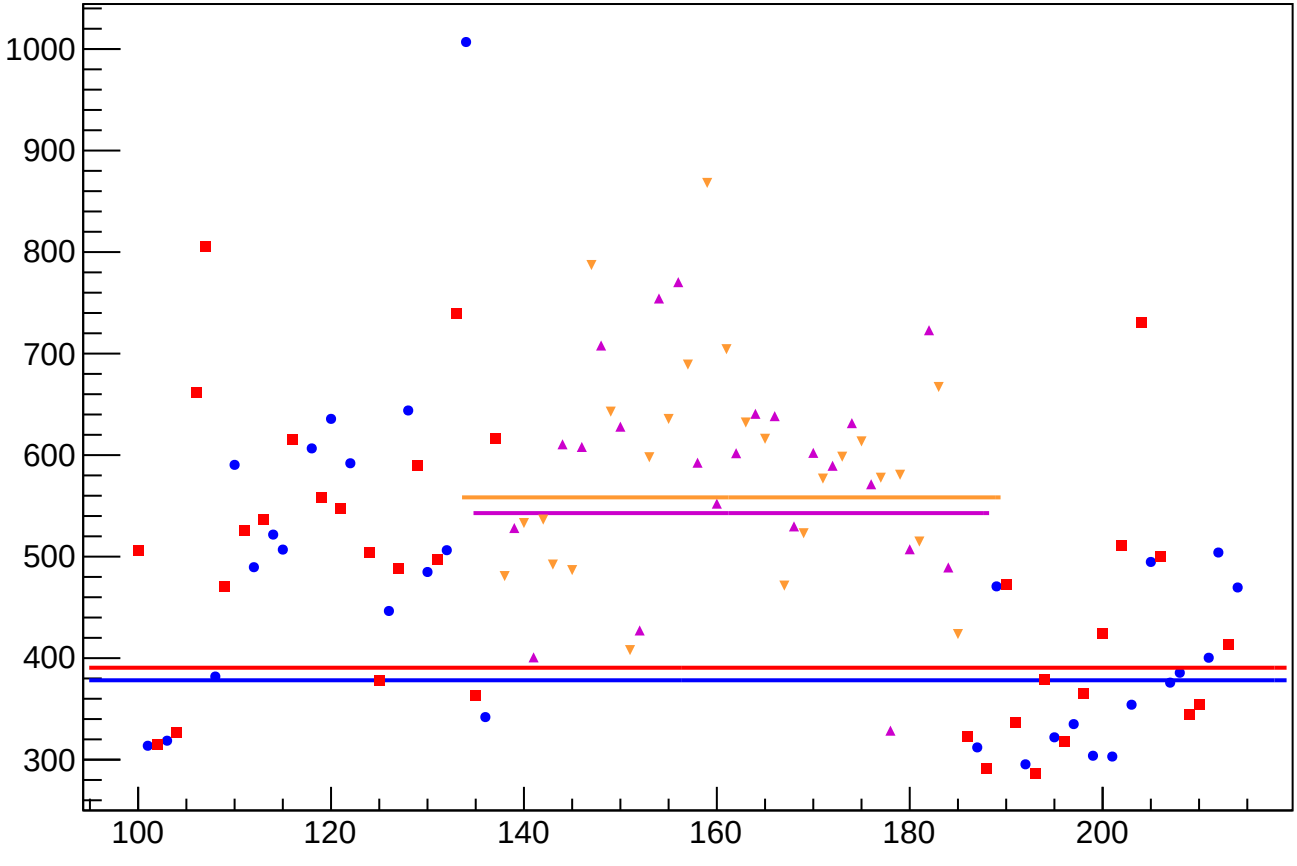
Right: 132297.314+/-0.072 χ^2/NDF: 4932721415.8/

In: 130452.604+/-0.081 χ^2/NDF:4616340883.6/52

Out: 130756.893+/-0.082 χ^2/NDF:3956011335.0/5

All: 130603.753+/-0.058 χ^2/NDF: 85793180

yield_bpm0l03WS_rms vs Slug, Sign Corrected



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

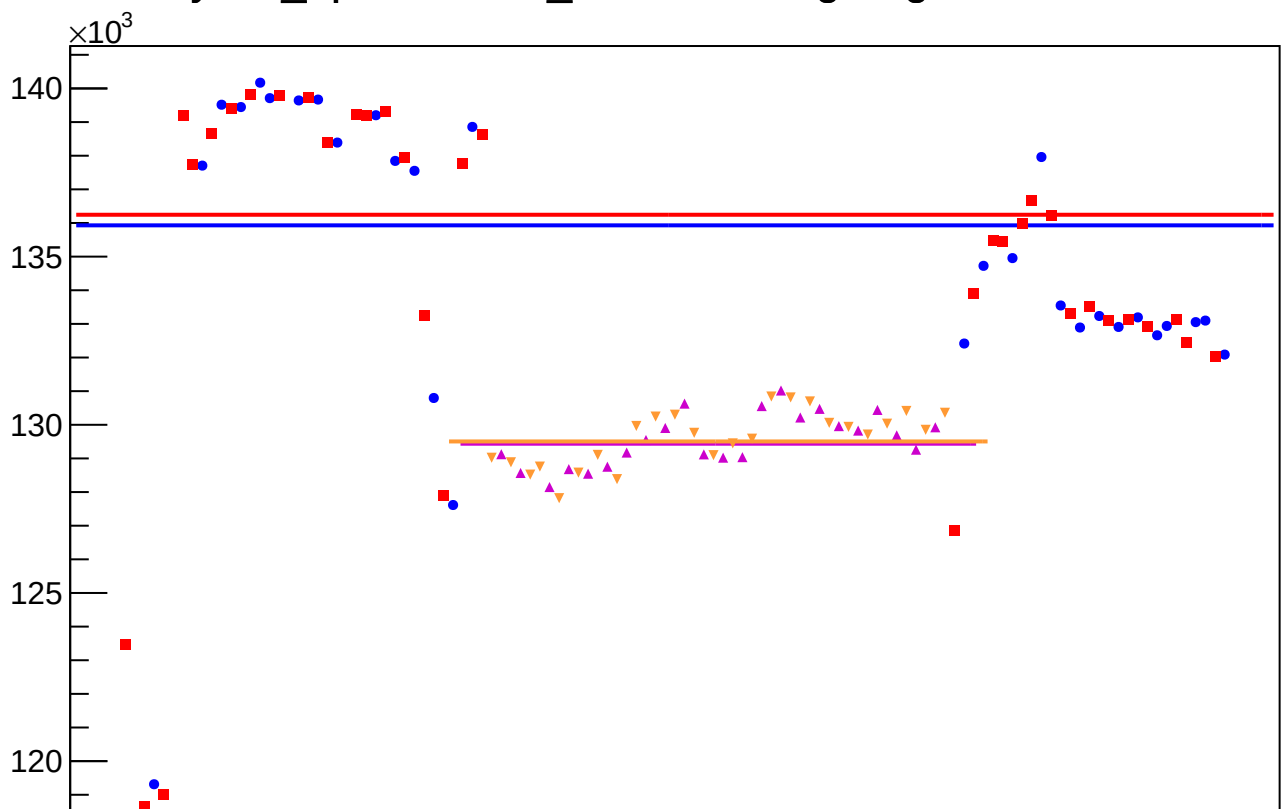
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 384.250+/-0.051 χ^2/NDF: 3742672.7/63

In: 434.802+/-0.057 χ^2/NDF:4992989.2/52

Out: 451.643+/-0.058 χ^2/NDF:4921300.1/58

All: 443.167+/-0.041 χ^2/NDF: 9956962.3/111



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

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

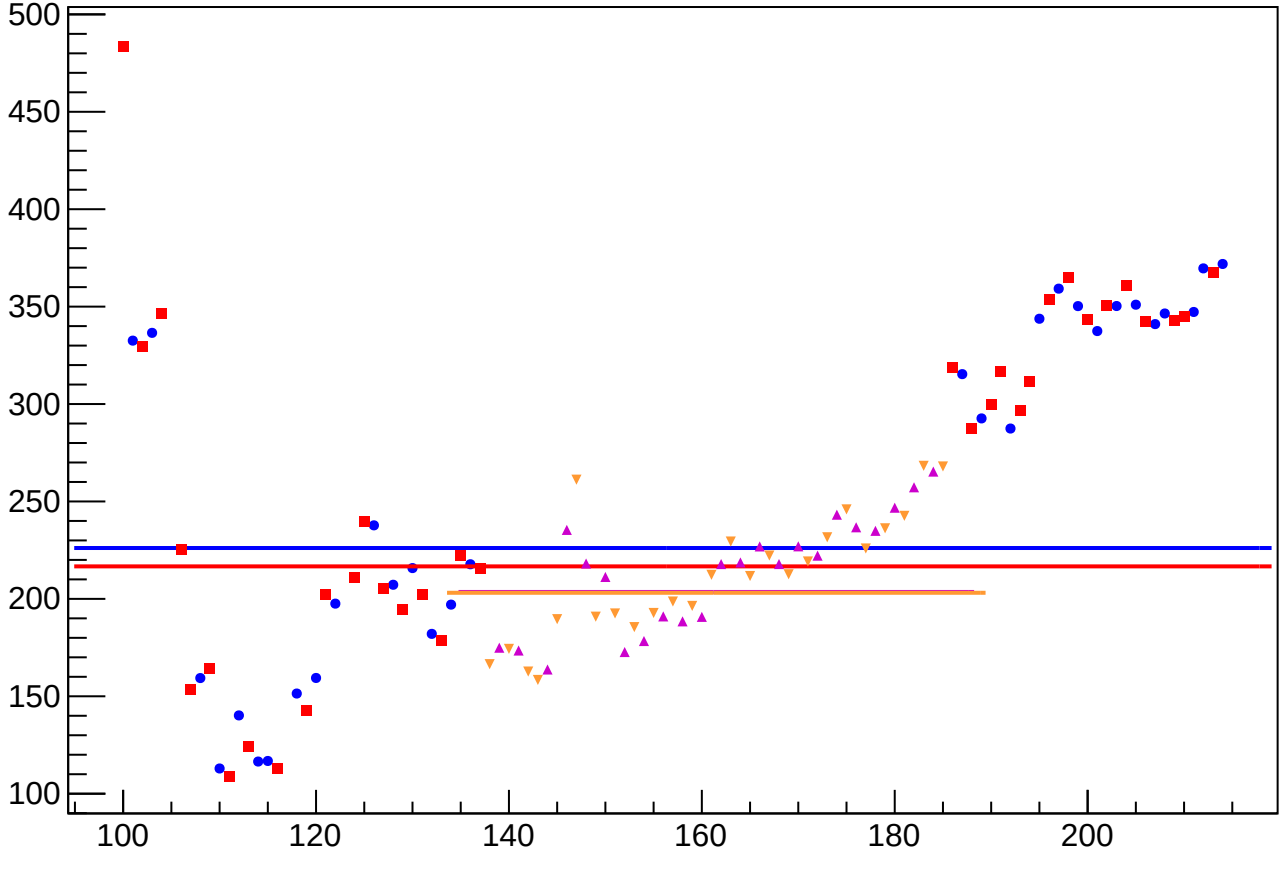
Right: 136095.660+/-0.040 χ^2/NDF: 13767094556.4

In: 132123.371+/-0.037 χ^2/NDF:14414177473.5/5

Out: 132368.041+/-0.036 χ^2/NDF:16076451358.8

All: 132250.550+/-0.026 χ^2/NDF: 30513255

yield_bpm0l04WS_rms vs Slug, Sign Corrected



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

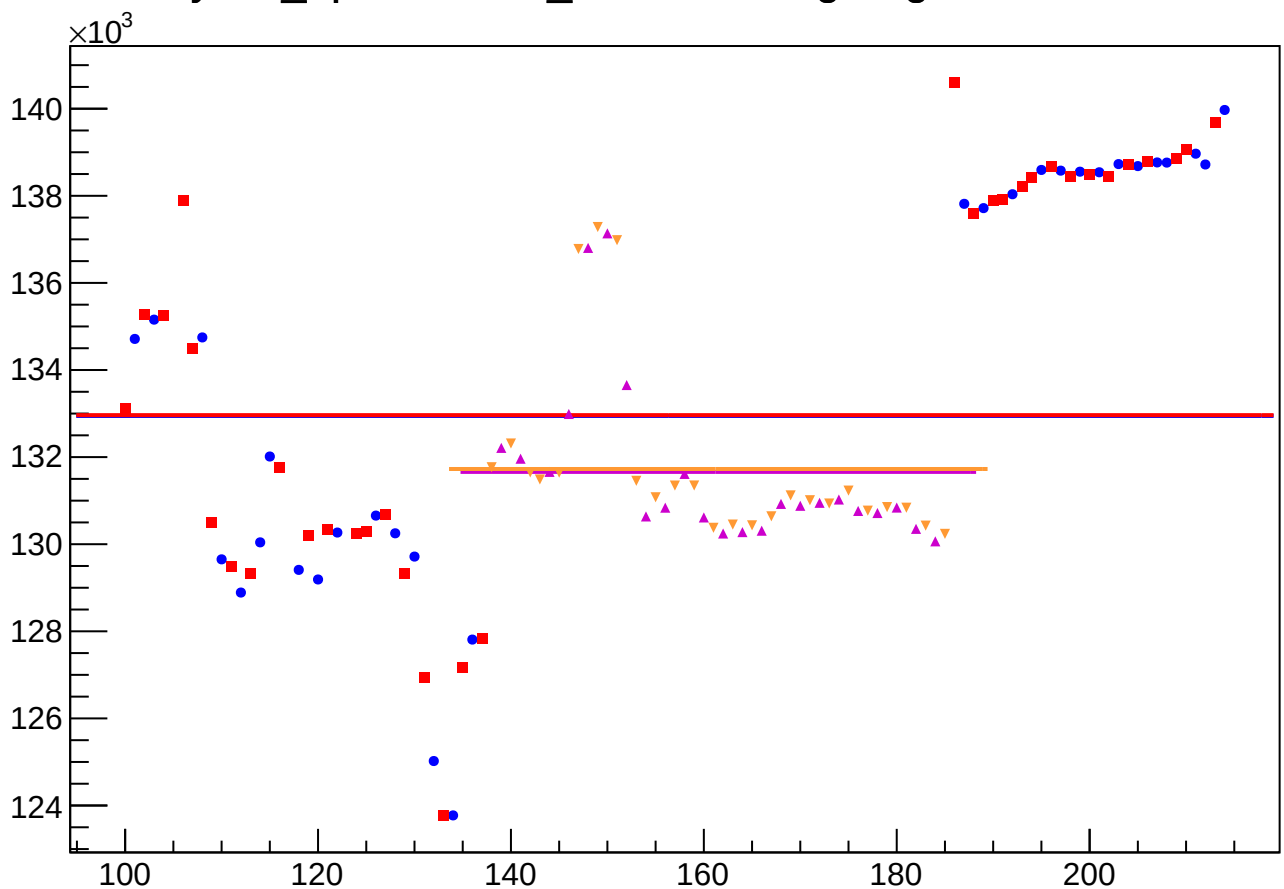
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 221.142+/-0.028 χ^2/NDF: 10392474.0/63

In: 212.879+/-0.026 χ^2/NDF:5696171.9/52

Out: 208.883+/-0.025 χ^2/NDF:6342731.3/58

All: 210.802+/-0.018 χ^2/NDF: 12050972.8/11



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

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

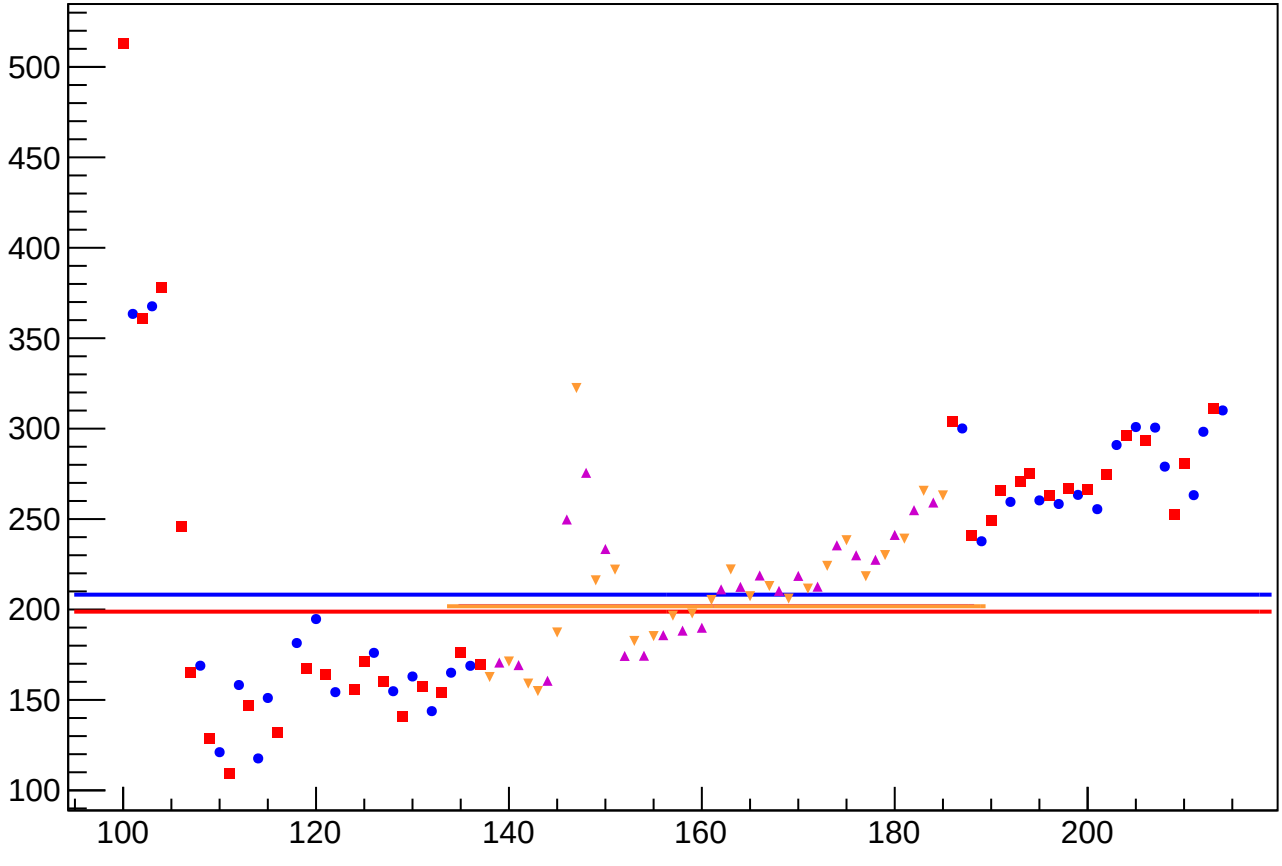
Right: 132954.785+/-0.036 χ^2/NDF: 18904953911.4

In: 132257.867+/-0.035 χ^2/NDF:10921927143.3/5

Out: 132318.034+/-0.034 χ^2/NDF:11235970322.1

All: 132289.163+/-0.024 χ^2/NDF: 22159413

yield_bpm0l05WS_rms vs Slug, Sign Corrected



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

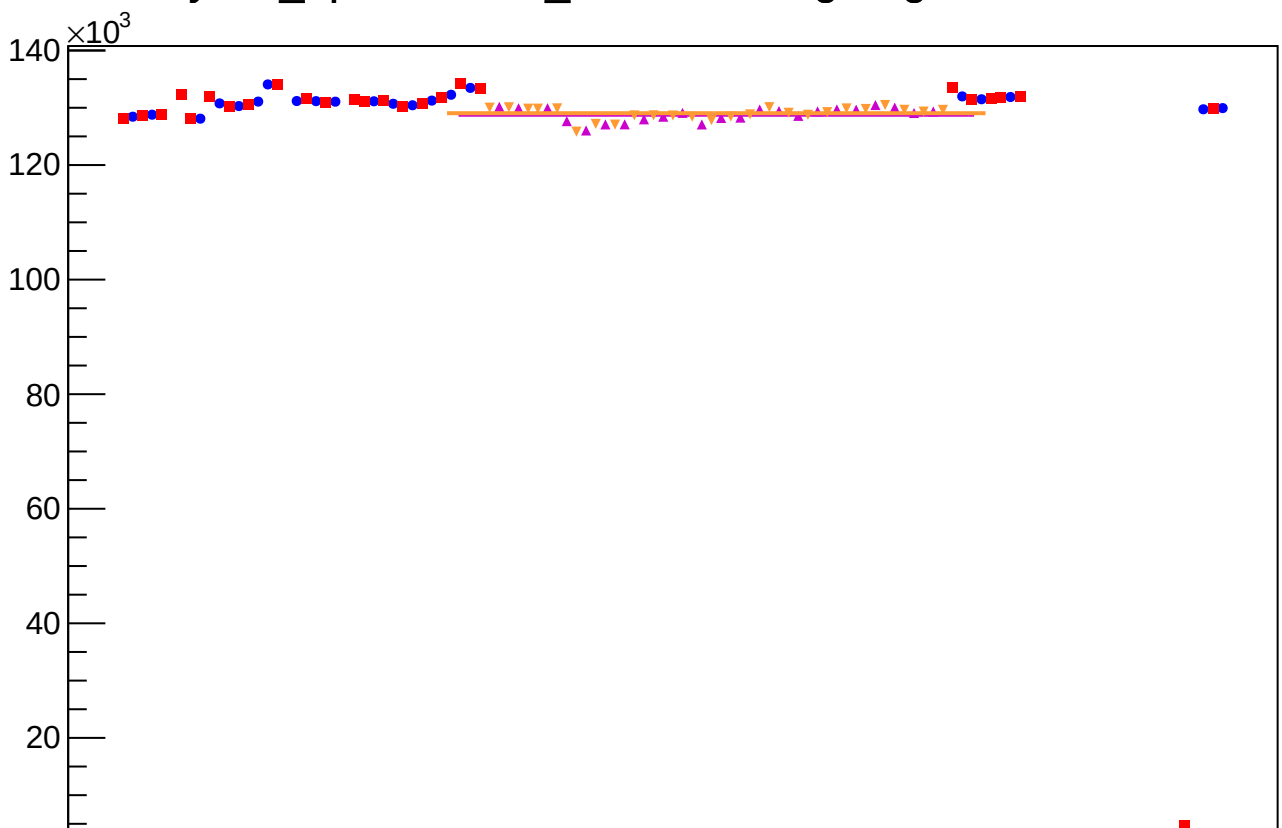
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 203.253+/-0.025 χ^2/NDF: 7029982.1/63

In: 204.856+/-0.025 χ^2/NDF:3933811.7/52

Out: 200.370+/-0.024 χ^2/NDF:4788970.9/58

All: 202.523+/-0.017 χ^2/NDF: 8739644.0/11



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

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

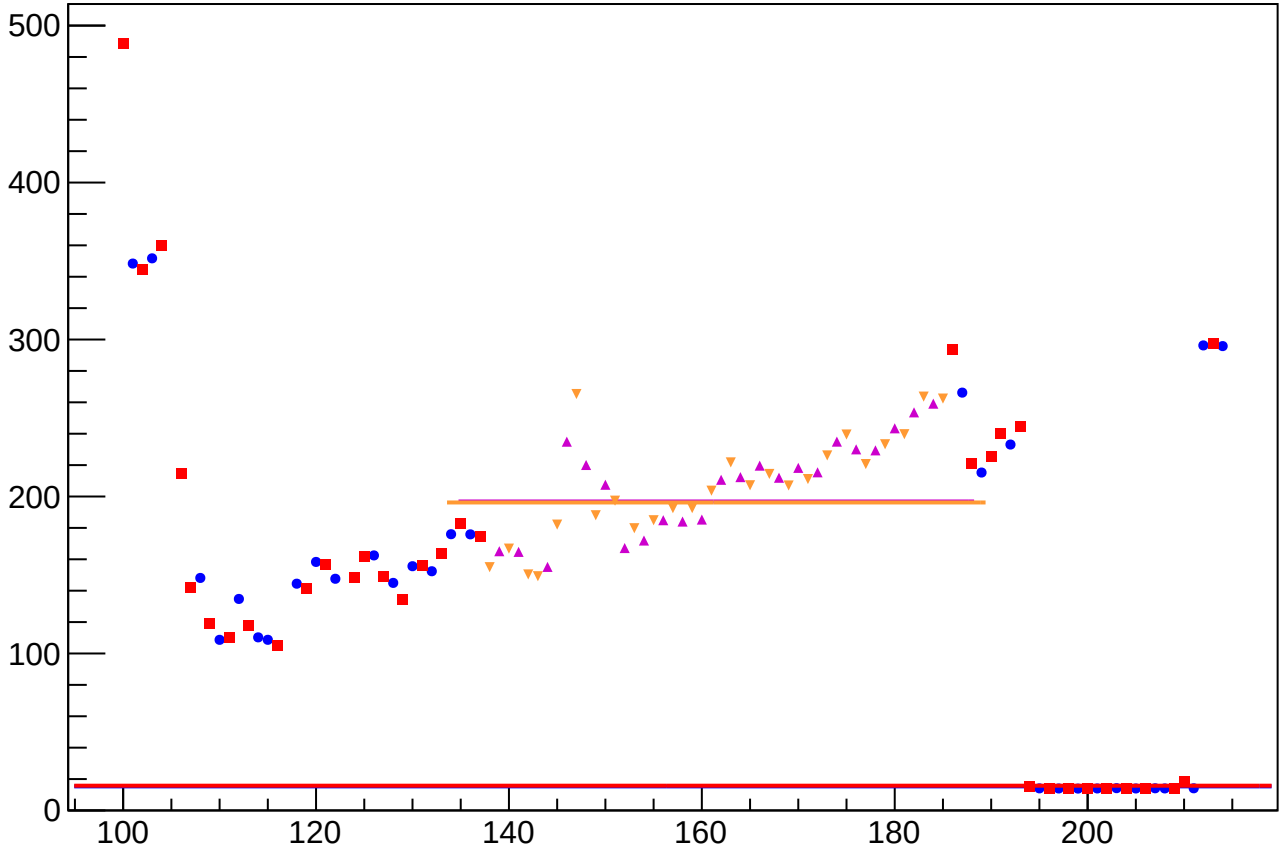
Right: 3649.097+/-0.004 χ^2/NDF: 11367986407849

In: 4892.743+/-0.005 χ^2/NDF:12361037196992.3

Out: 5650.495+/-0.005 χ^2/NDF:13528945160022.

All: 5243.448+/-0.004 χ^2/NDF: 2590050236

yield_bpm0l06WS_rms vs Slug, Sign Corrected



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

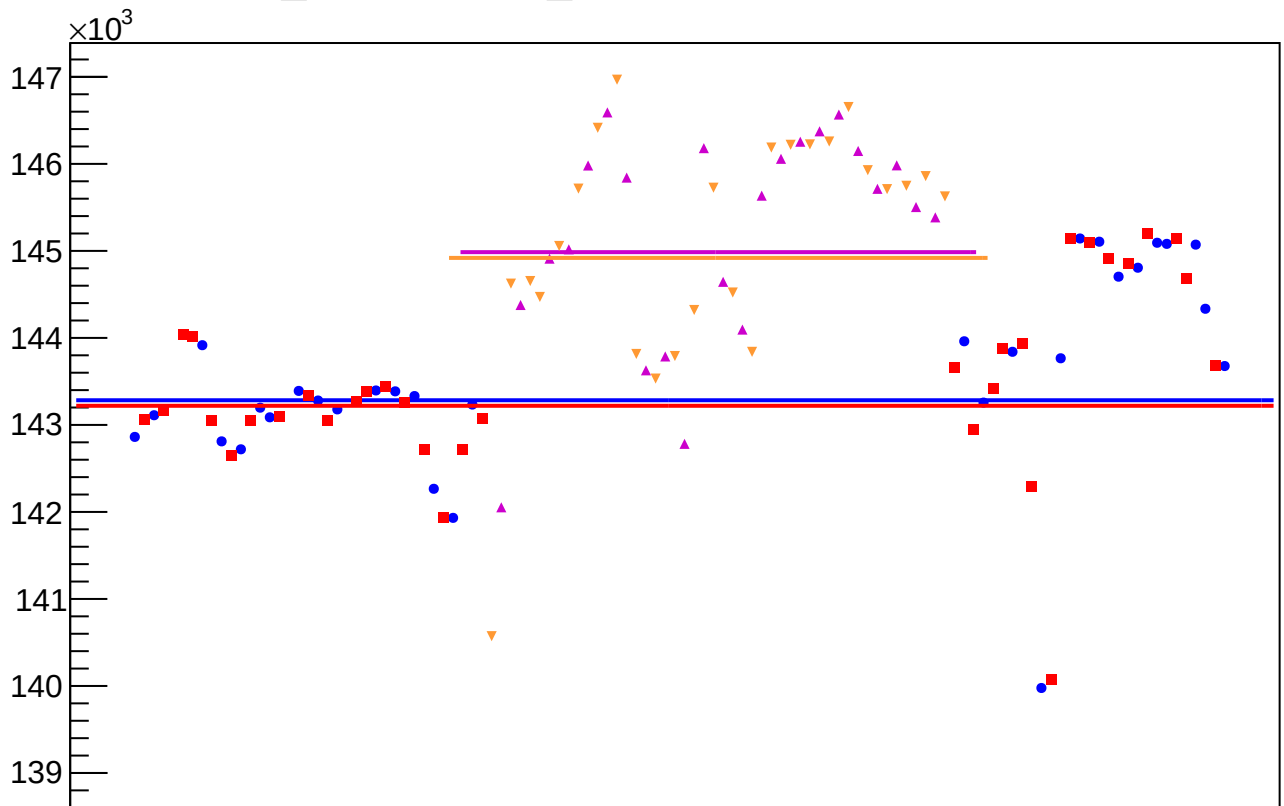
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.538+/-0.003 χ^2/NDF: 35575550.4/63

In: 17.421+/-0.004 χ^2/NDF:47819475.8/52

Out: 18.329+/-0.004 χ^2/NDF:50075684.2/58

All: 17.841+/-0.003 χ^2/NDF: 97925318.8/111



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

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

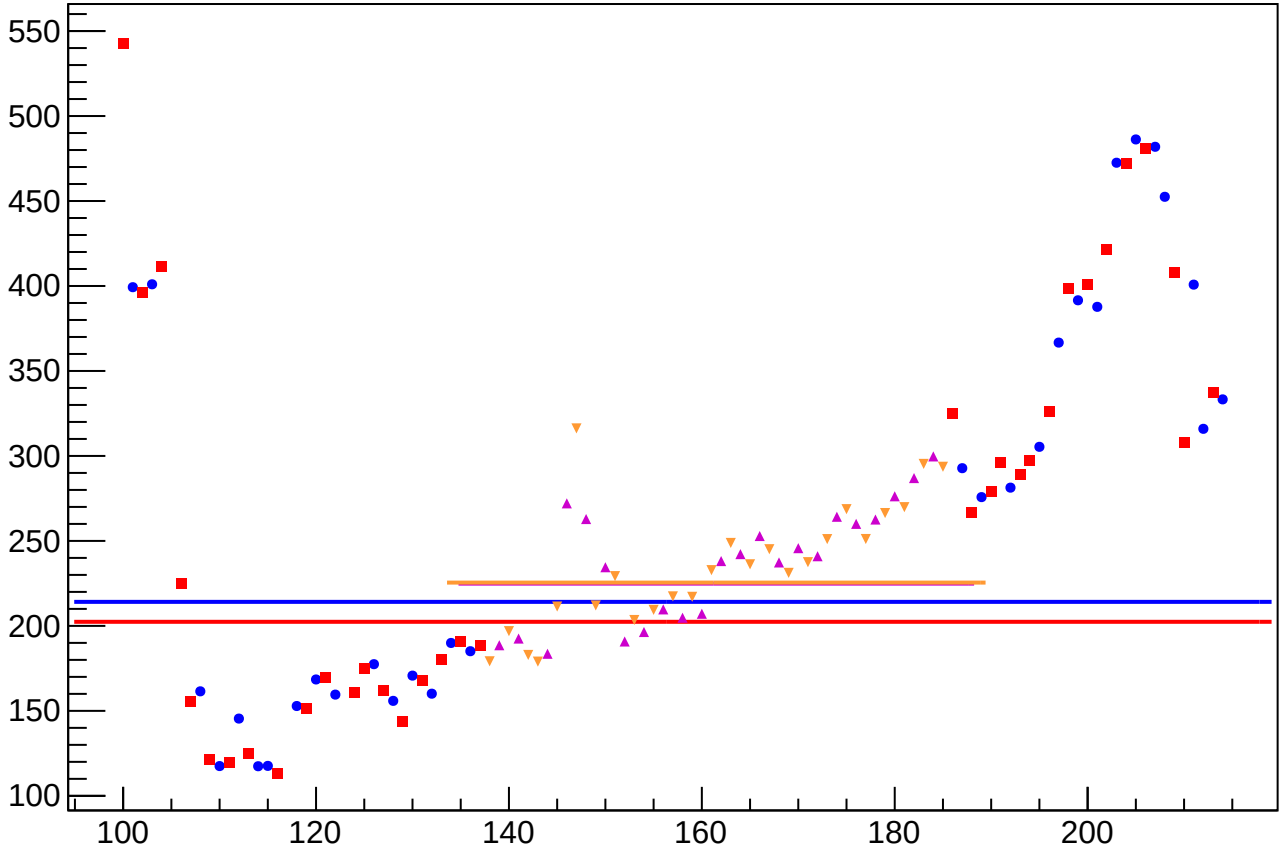
Right: 143249.563+/-0.038 χ^2/NDF: 535612435.6/6

In: 144170.694+/-0.039 χ^2/NDF:1370665948.0/52

Out: 144068.424+/-0.037 χ^2/NDF:1631930457.7/5

All: 144117.158+/-0.027 χ^2/NDF: 30062560

yield_bpm0l07WS_rms vs Slug, Sign Corrected



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

Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 207.864+/-0.027 χ^2/NDF: 13388289.2/63

In: 219.731+/-0.027 χ^2/NDF:7182507.1/52

Out: 213.923+/-0.026 χ^2/NDF:7891728.3/58

All: 216.691+/-0.019 χ^2/NDF: 15097843.4/11

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

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

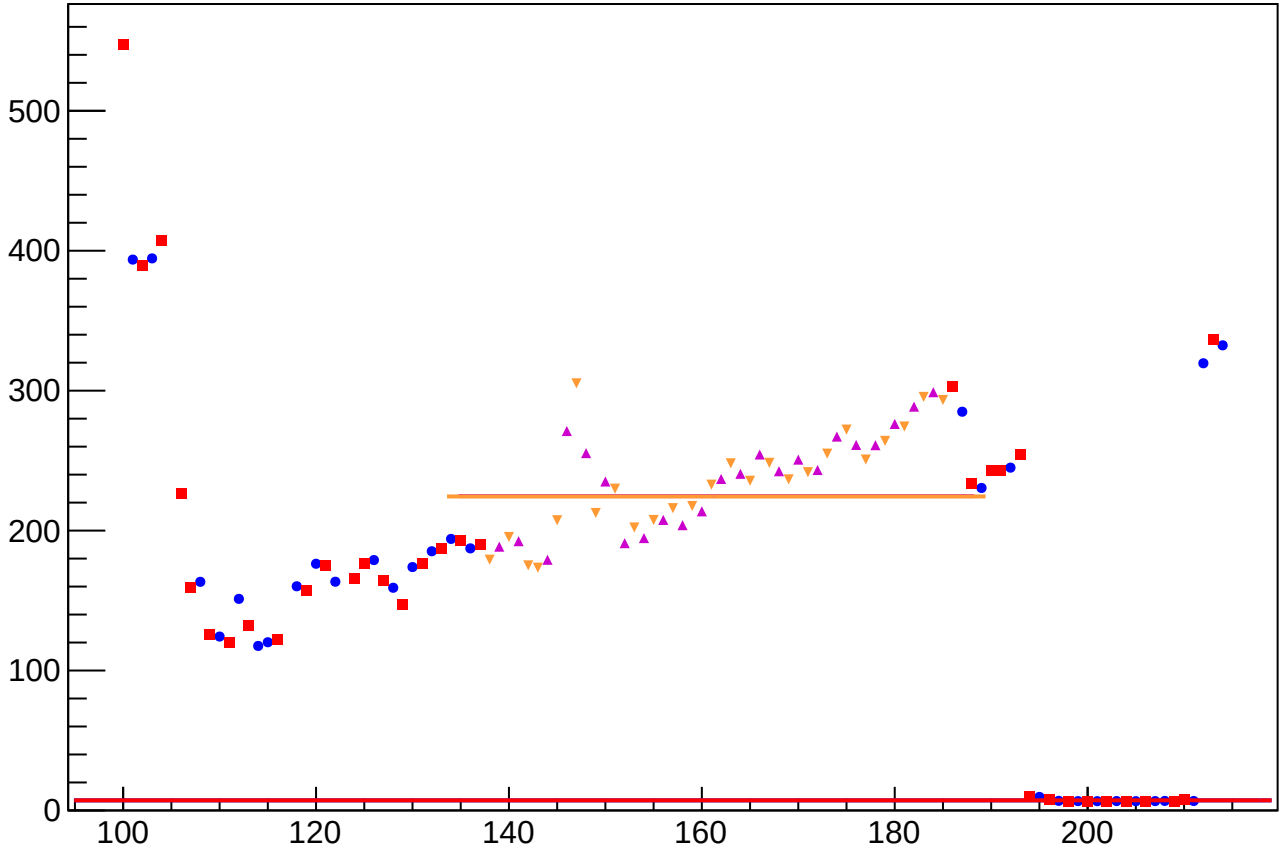
Right: -906.489+/-0.002 χ^2/NDF: 12340749629230

In: -631.305+/-0.003 χ^2/NDF:13225199780062.0/

Out: -463.825+/-0.003 χ^2/NDF:14589171127823.0

All: -553.410+/-0.002 χ^2/NDF: 2781645701

yield_bpm0l08WS_rms vs Slug, Sign Corrected



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

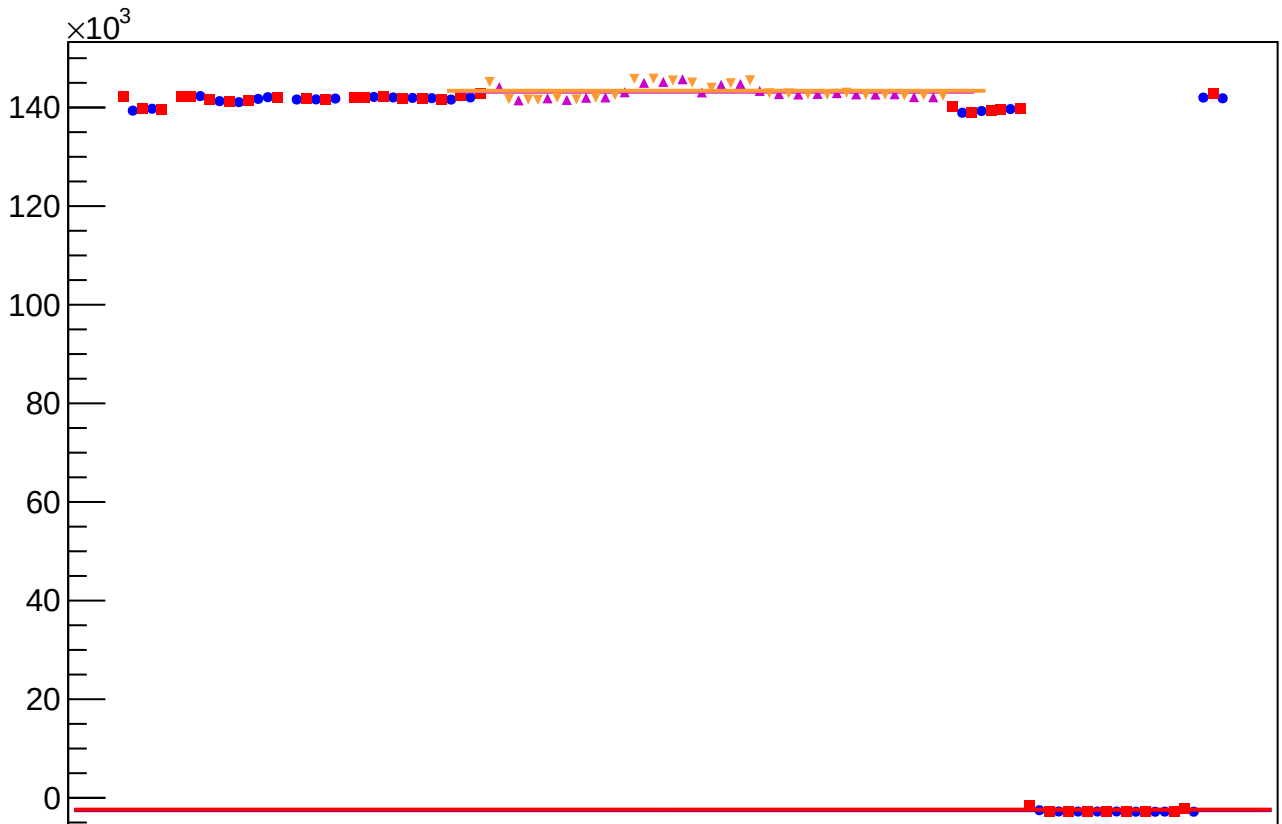
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.219+/-0.001 χ^2/NDF: 39464260.3/63

In: 7.669+/-0.002 χ^2/NDF:52962029.7/52

Out: 7.824+/-0.002 χ^2/NDF:55778260.6/58

All: 7.741+/-0.001 χ^2/NDF: 108743853.1/111



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

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

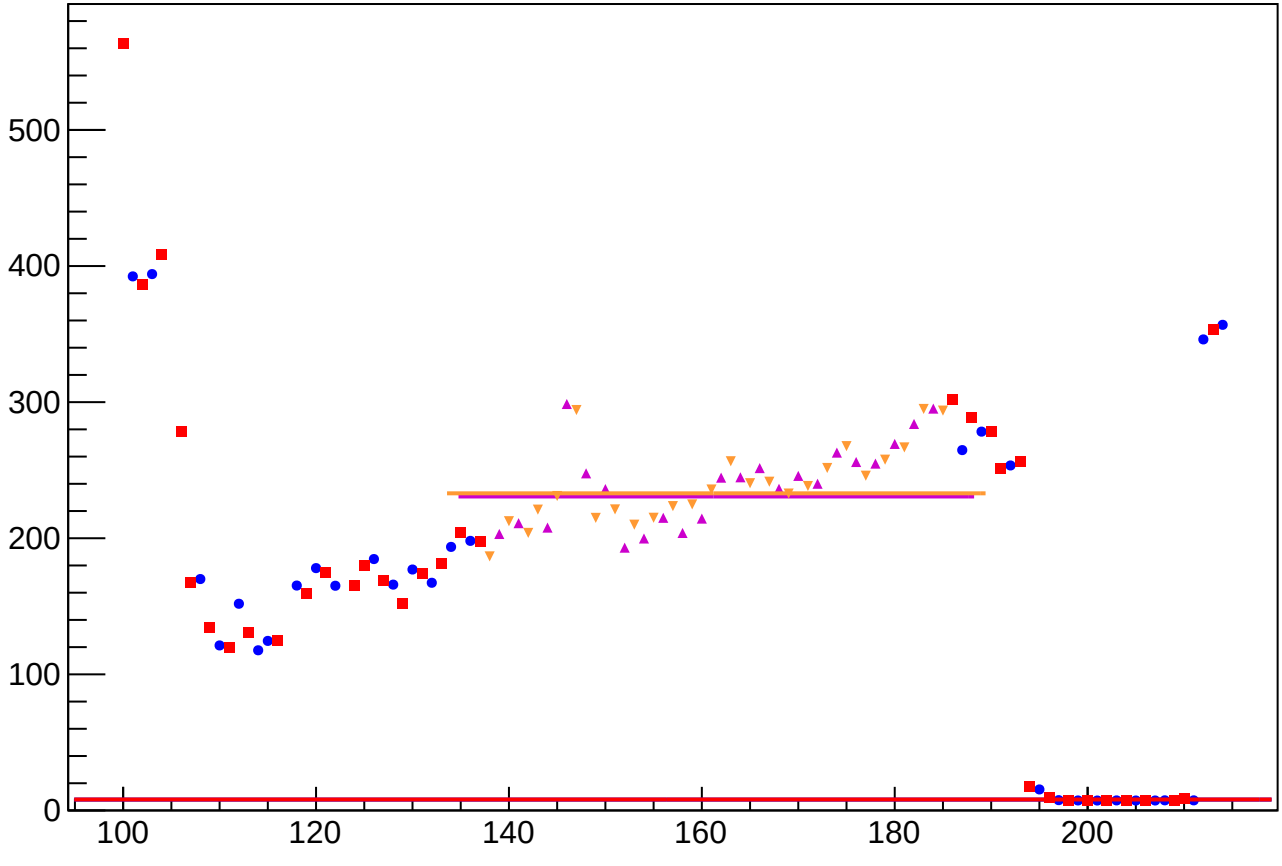
Right: -2447.550+/-0.002 χ^2/NDF: 1123016130013

In: -2117.229+/-0.003 χ^2/NDF:12289784865982.

Out: -1938.321+/-0.003 χ^2/NDF:13336774286563

All: -2034.054+/-0.002 χ^2/NDF: 256284667

yield_bpm0l09WS_rms vs Slug, Sign Corrected



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

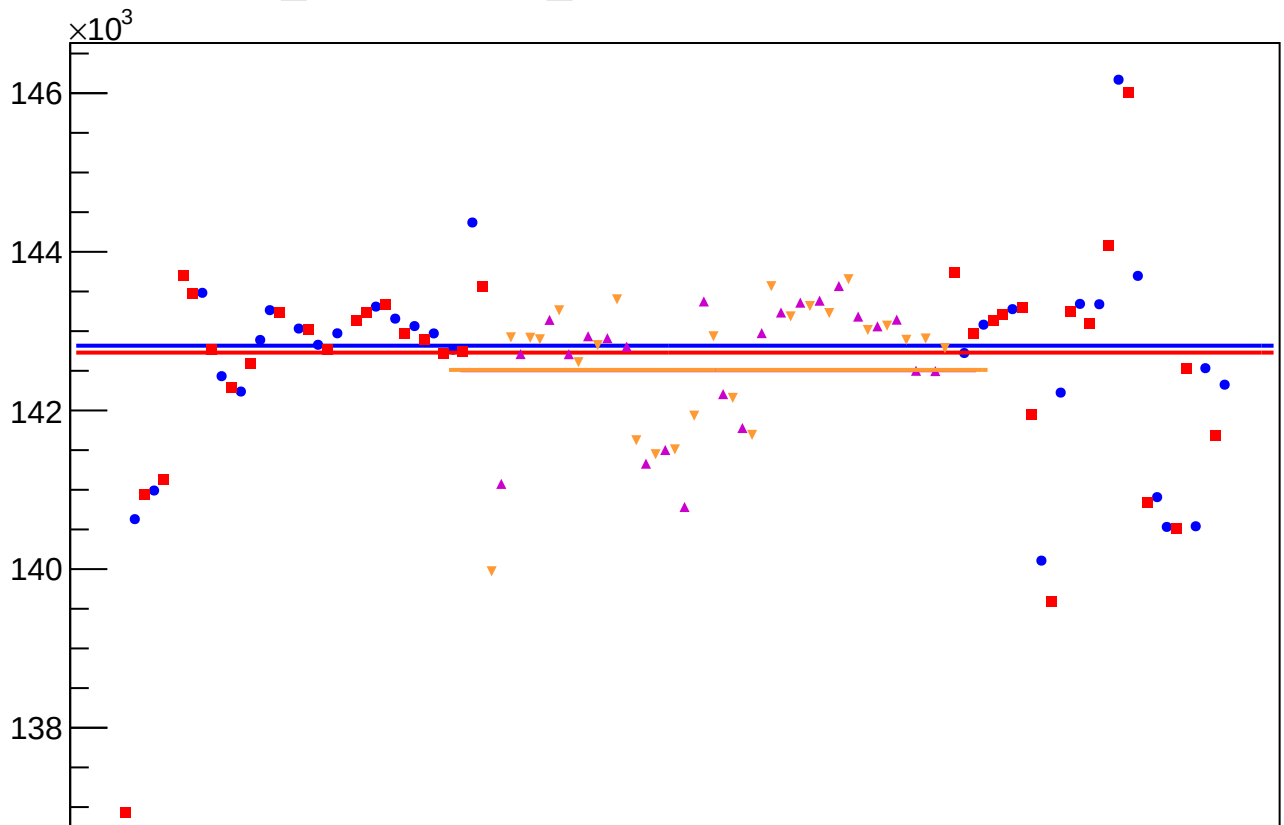
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.010+/-0.001 χ^2/NDF: 39654937.0/63

In: 8.553+/-0.002 χ^2/NDF:52882897.9/52

Out: 8.752+/-0.002 χ^2/NDF:55652528.0/58

All: 8.645+/-0.001 χ^2/NDF: 108540126.1/111



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

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

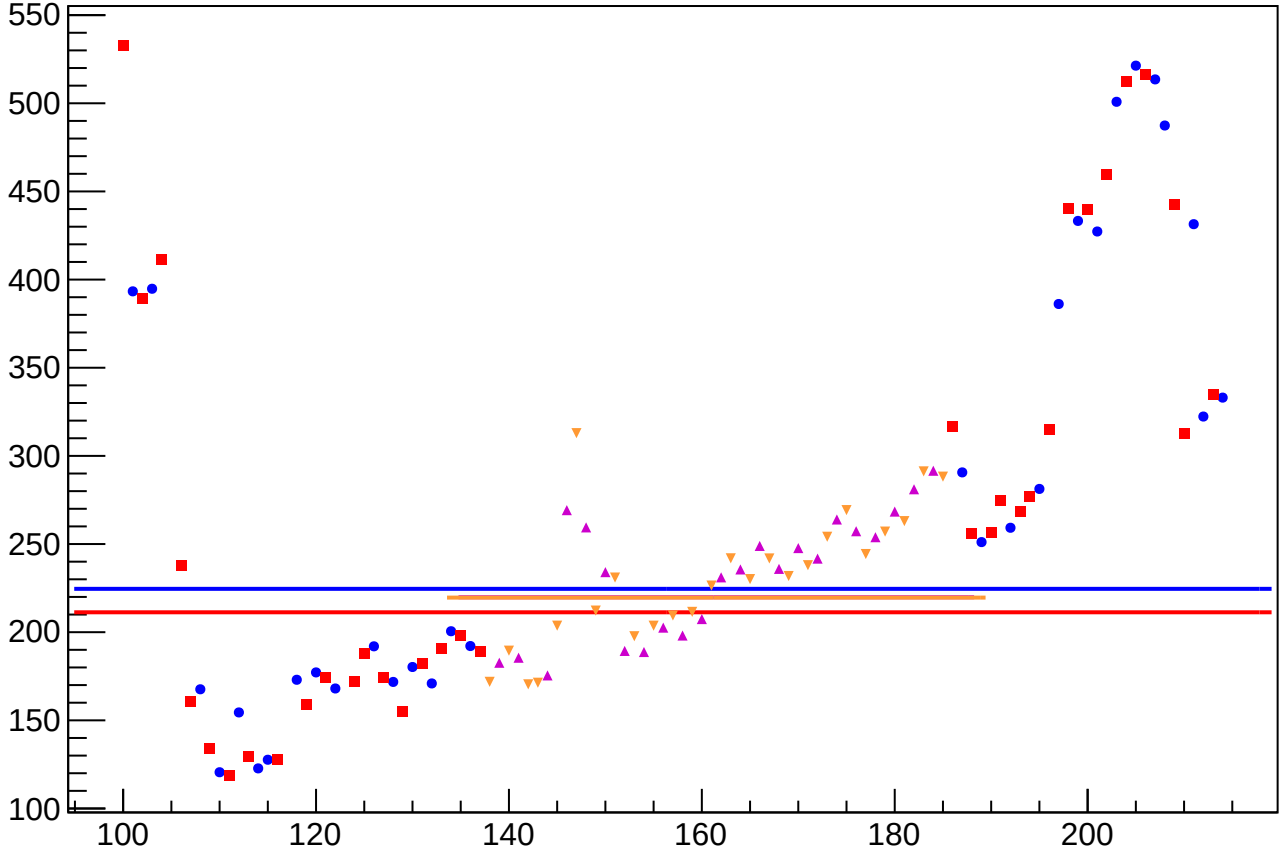
Right: 142769.772+/-0.040 χ^2/NDF: 546149352.4/6

In: 142645.339+/-0.039 χ^2/NDF:582560604.9/52

Out: 142613.718+/-0.037 χ^2/NDF:593877037.6/58

All: 142628.729+/-0.027 χ^2/NDF: 11767827

yield_bpm0l10WS_rms vs Slug, Sign Corrected



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

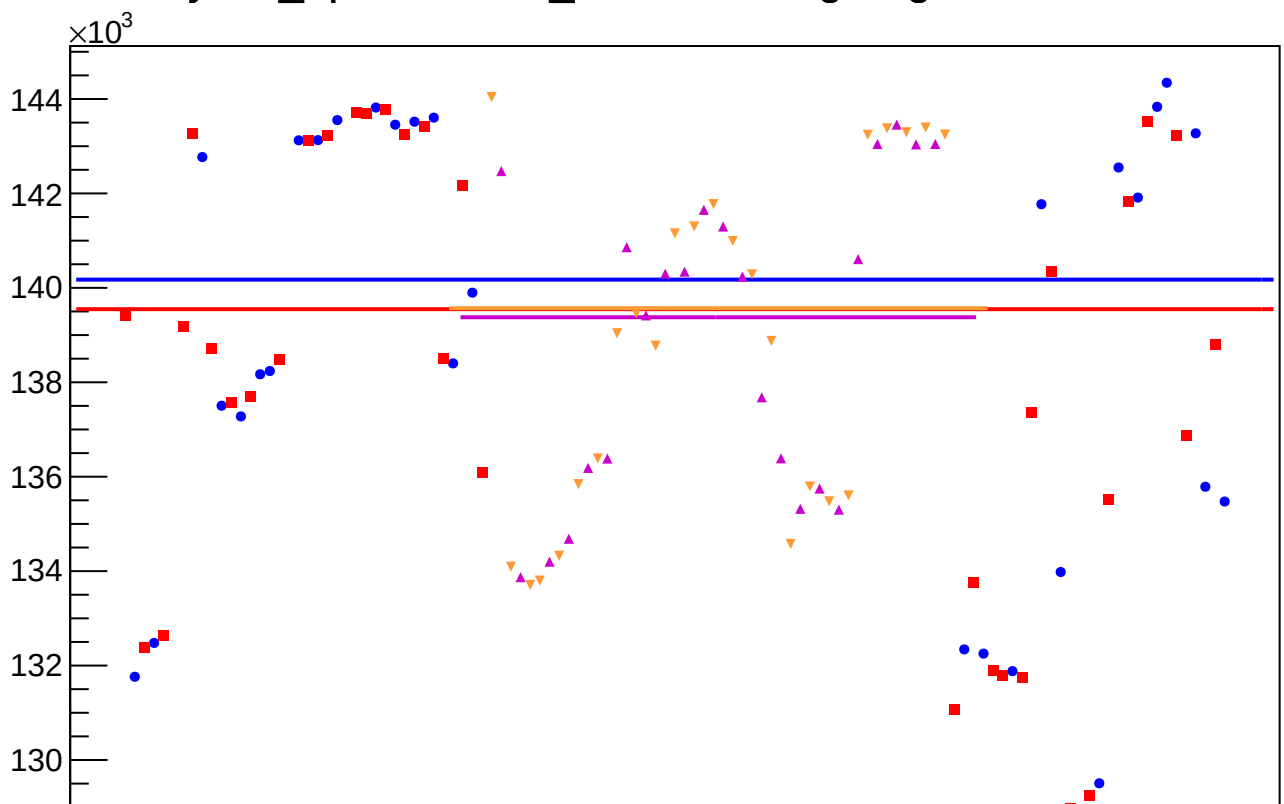
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 217.430+/-0.028 χ^2/NDF: 12700657.5/63

In: 221.941+/-0.028 χ^2/NDF:6930115.1/52

Out: 215.709+/-0.026 χ^2/NDF:7454853.2/58

All: 218.667+/-0.019 χ^2/NDF: 14411780.3/1



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

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

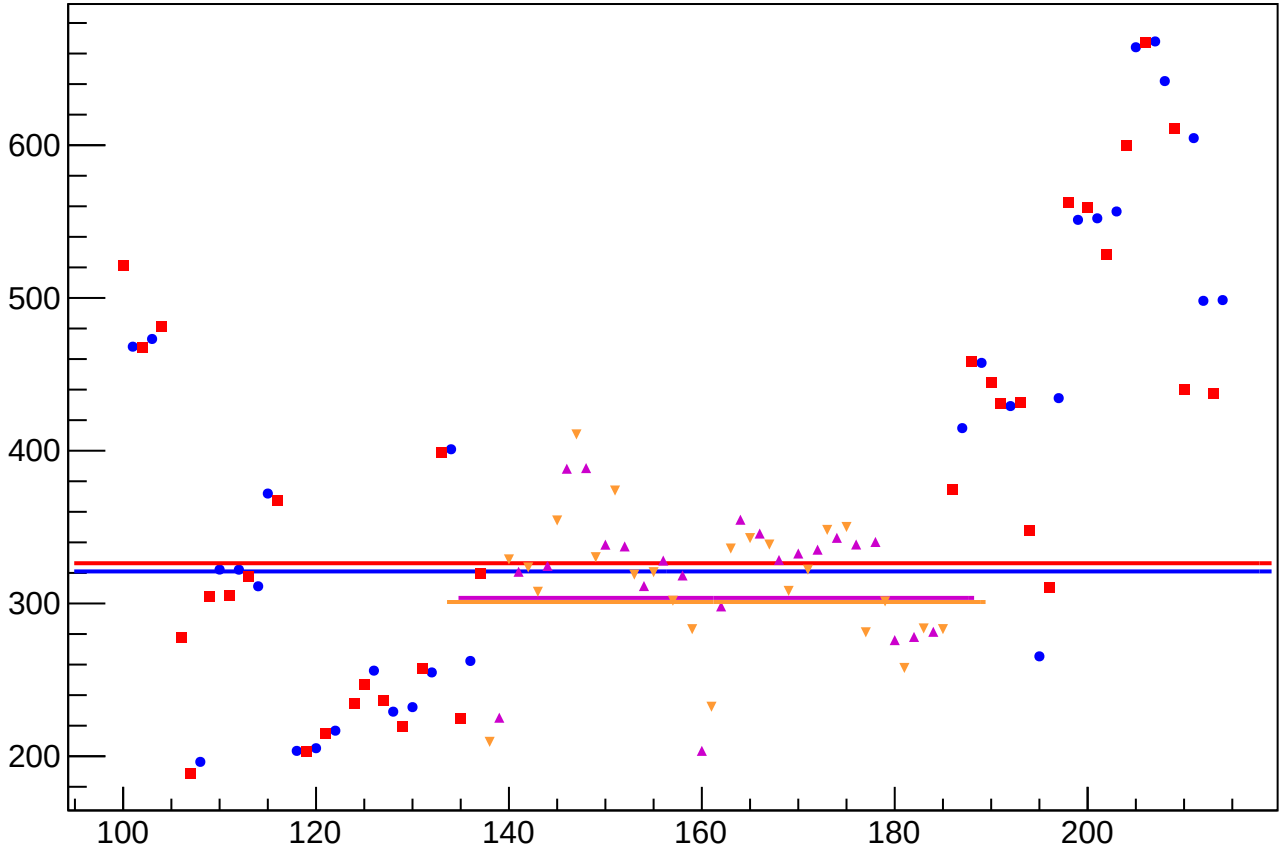
Right: 139856.432+/-0.058 χ^2/NDF: 5655299822.6/

In: 139726.399+/-0.055 χ^2/NDF:4775658639.0/52

Out: 139560.143+/-0.053 χ^2/NDF:5410861448.2/5

All: 139640.764+/-0.038 χ^2/NDF: 10191278

yield_bpm0r03WS_rms vs Slug, Sign Corrected



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

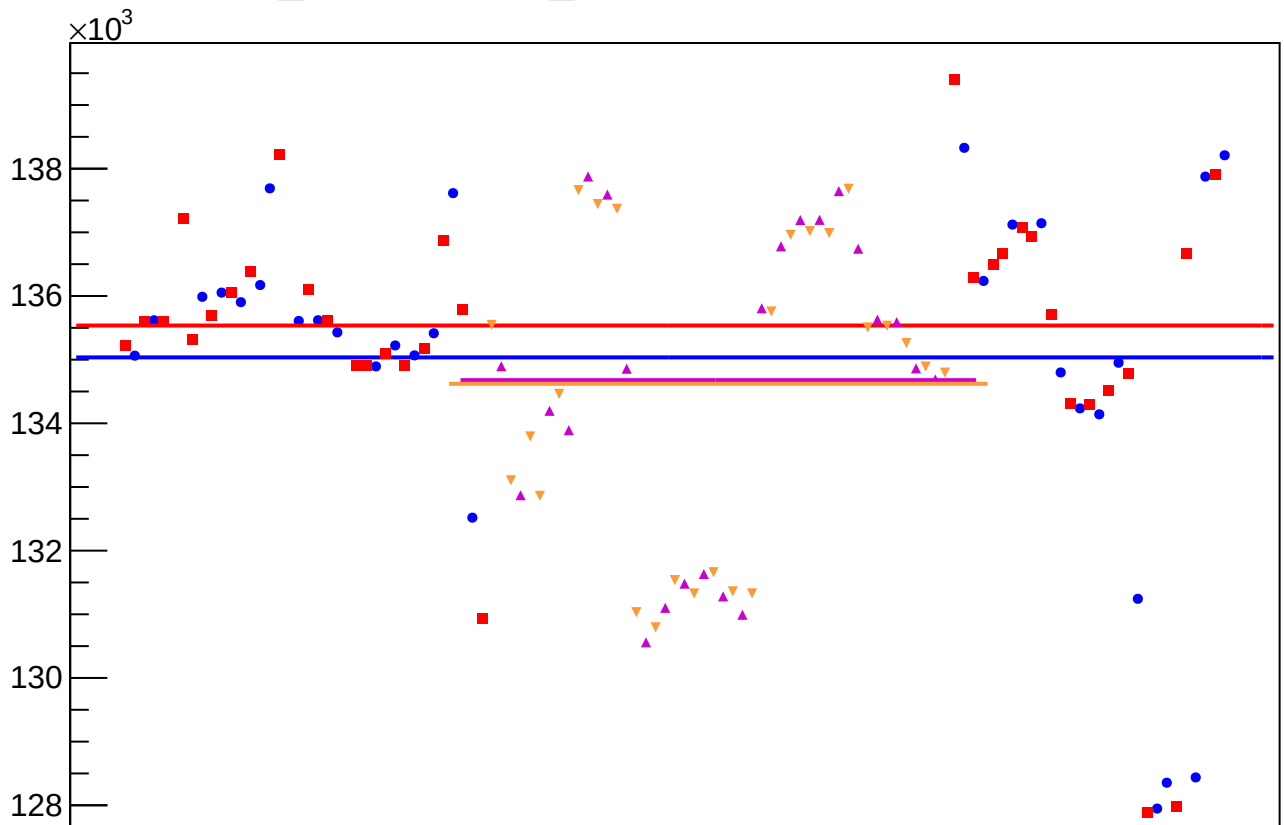
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 323.707+/-0.041 χ^2/NDF: 9748551.4/63

In: 311.242+/-0.039 χ^2/NDF:6260839.6/52

Out: 311.765+/-0.038 χ^2/NDF:5497765.4/58

All: 311.512+/-0.027 χ^2/NDF: 11758699.2/11



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

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

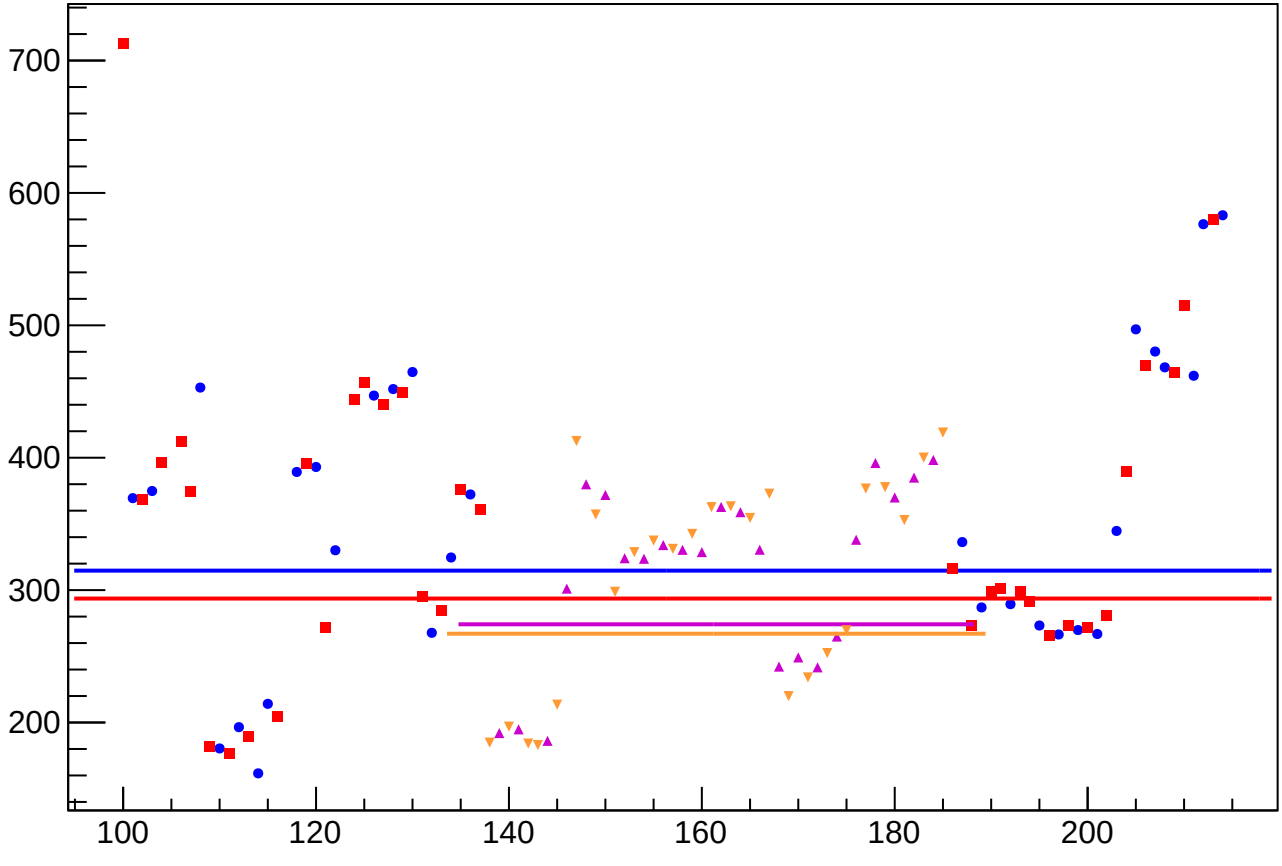
Right: 135307.429+/-0.053 χ^2/NDF: 1686596791.2/

In: 134829.997+/-0.051 χ^2/NDF:1990872175.4/52

Out: 135026.526+/-0.048 χ^2/NDF:2074527428.9/5

All: 134934.636+/-0.035 χ^2/NDF: 40733829

yield_bpm0r05WS_rms vs Slug, Sign Corrected



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

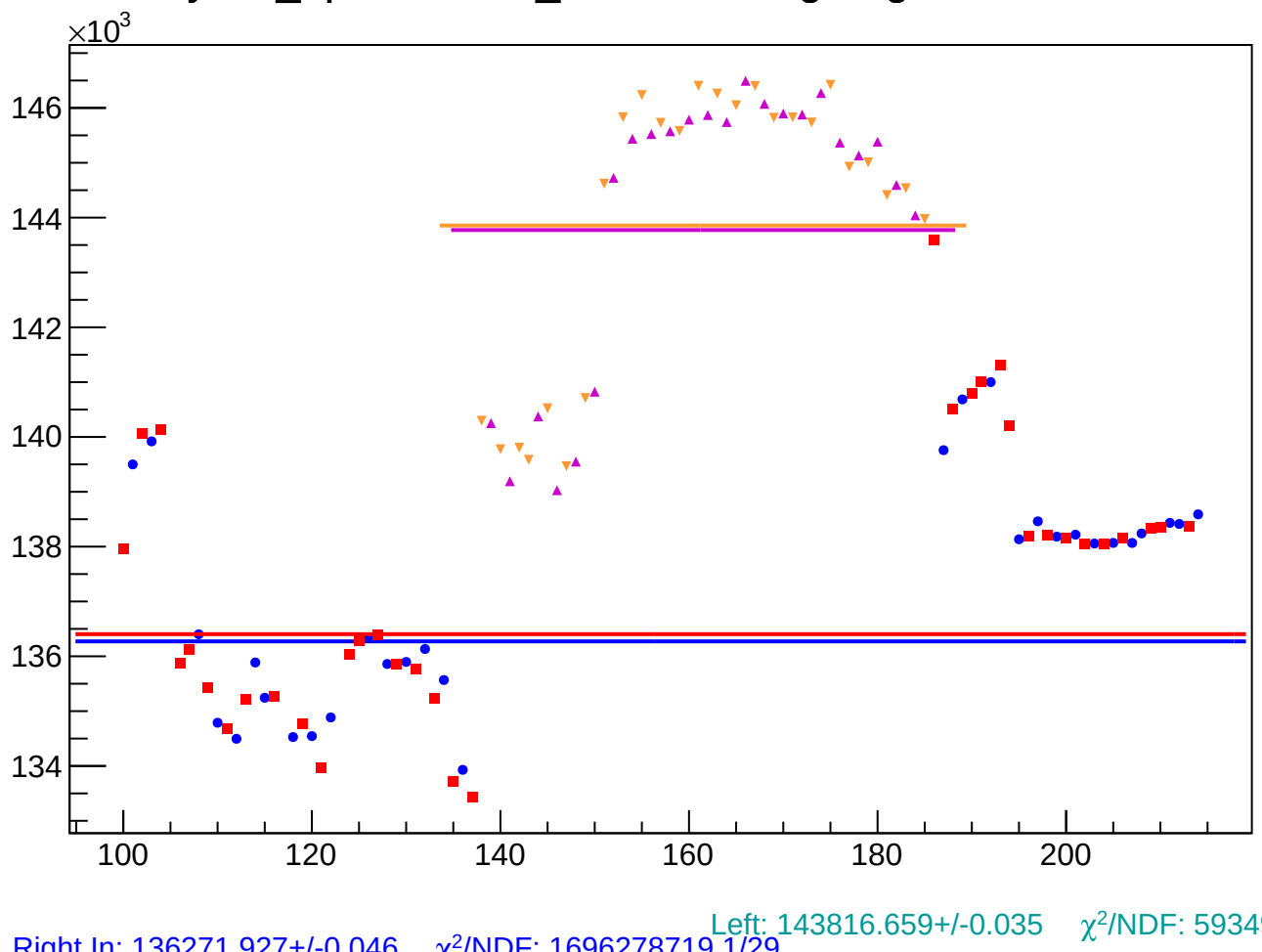
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 303.258+/-0.037 χ^2/NDF: 6499397.8/63

In: 291.382+/-0.036 χ^2/NDF:5765247.6/52

Out: 278.826+/-0.034 χ^2/NDF:6200252.9/58

All: 284.697+/-0.025 χ^2/NDF: 12030673.0/11



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

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

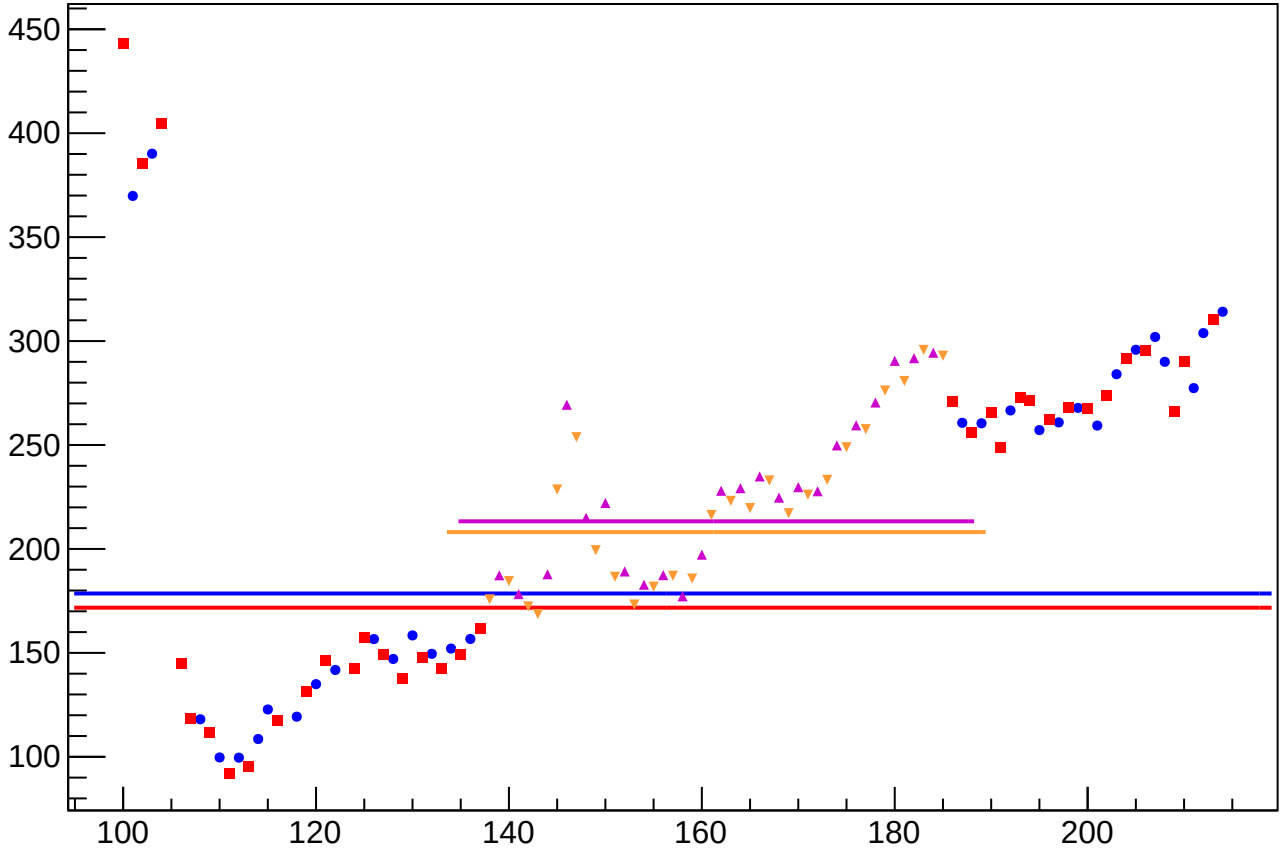
Right: 136341.108+/-0.032 χ^2/NDF: 4001257261.2/

In: 139628.041+/-0.034 χ^2/NDF:16491187077.5/5

Out: 139753.129+/-0.032 χ^2/NDF:18517701086.2

All: 139693.702+/-0.023 χ^2/NDF: 35015968

yield_bpm0i02WS_rms vs Slug, Sign Corrected



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

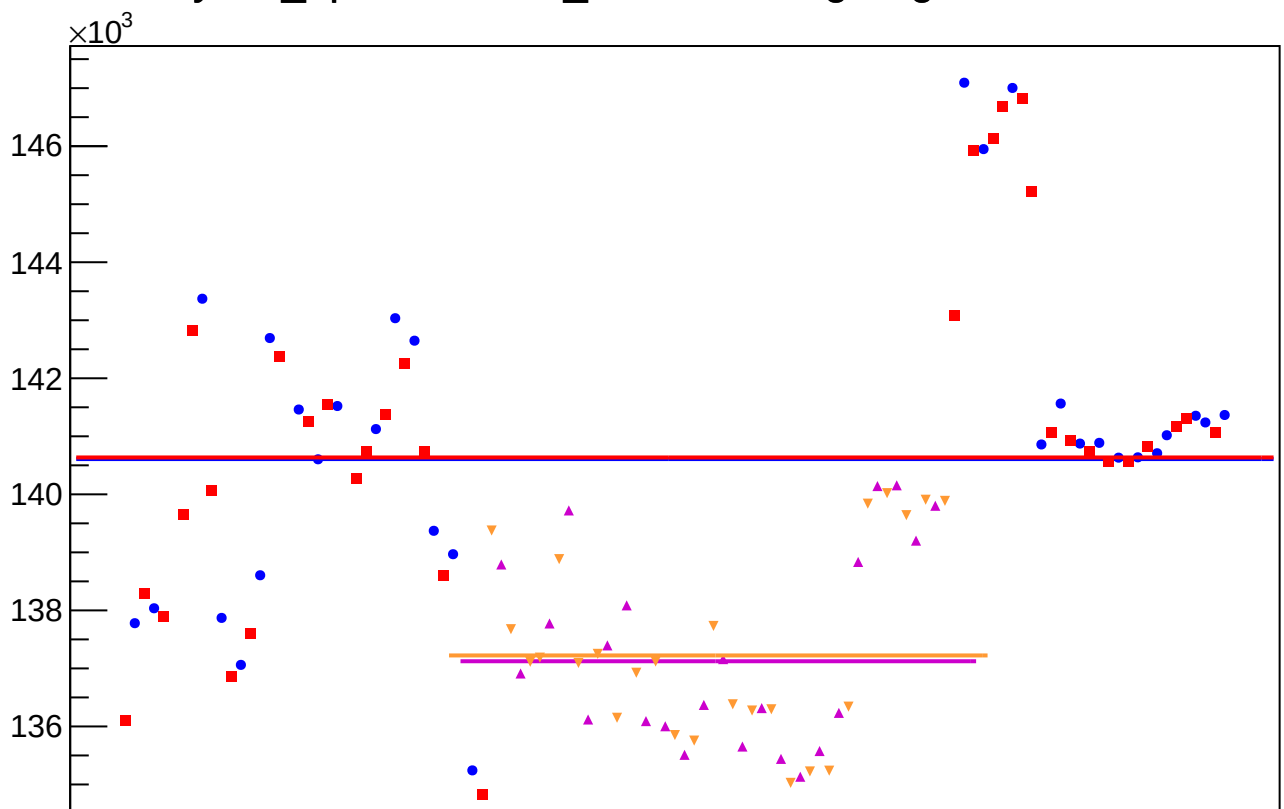
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 174.990+/-0.022 χ^2/NDF: 11561557.6/63

In: 194.100+/-0.024 χ^2/NDF:6852792.6/52

Out: 188.083+/-0.023 χ^2/NDF:7681038.6/58

All: 190.942+/-0.017 χ^2/NDF: 14566593.7/1



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

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

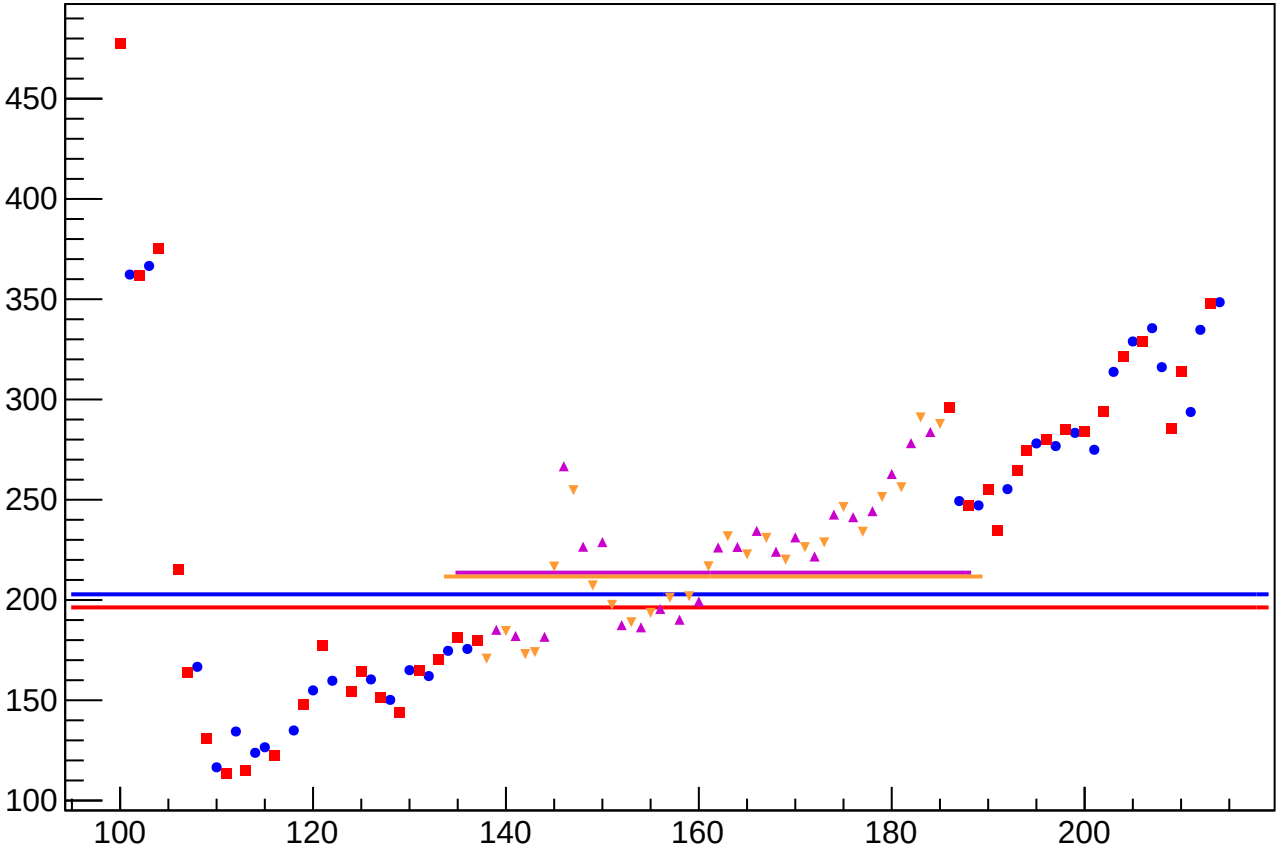
Right: 140622.358+/-0.035 χ^2/NDF: 6070636481.0/

In: 138857.391+/-0.036 χ^2/NDF:6014227790.1/52

Out: 138933.716+/-0.035 χ^2/NDF:6568051045.2/5

All: 138897.110+/-0.025 χ^2/NDF: 12584607

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



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

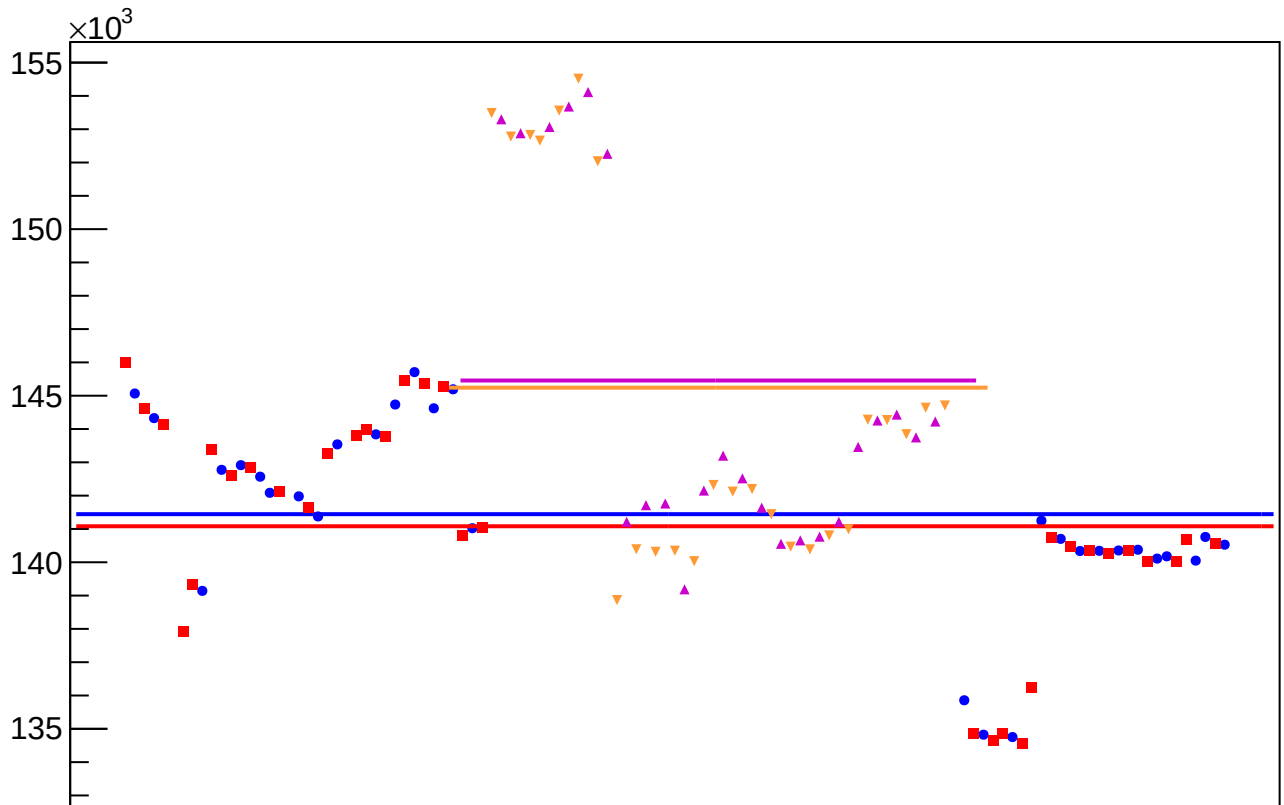
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 199.427+/-0.025 χ^2/NDF: 9133541.2/63

In: 208.265+/-0.026 χ^2/NDF:5007064.7/52

Out: 203.992+/-0.024 χ^2/NDF:5550114.2/58

All: 206.041+/-0.018 χ^2/NDF: 10571773.3/11



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

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

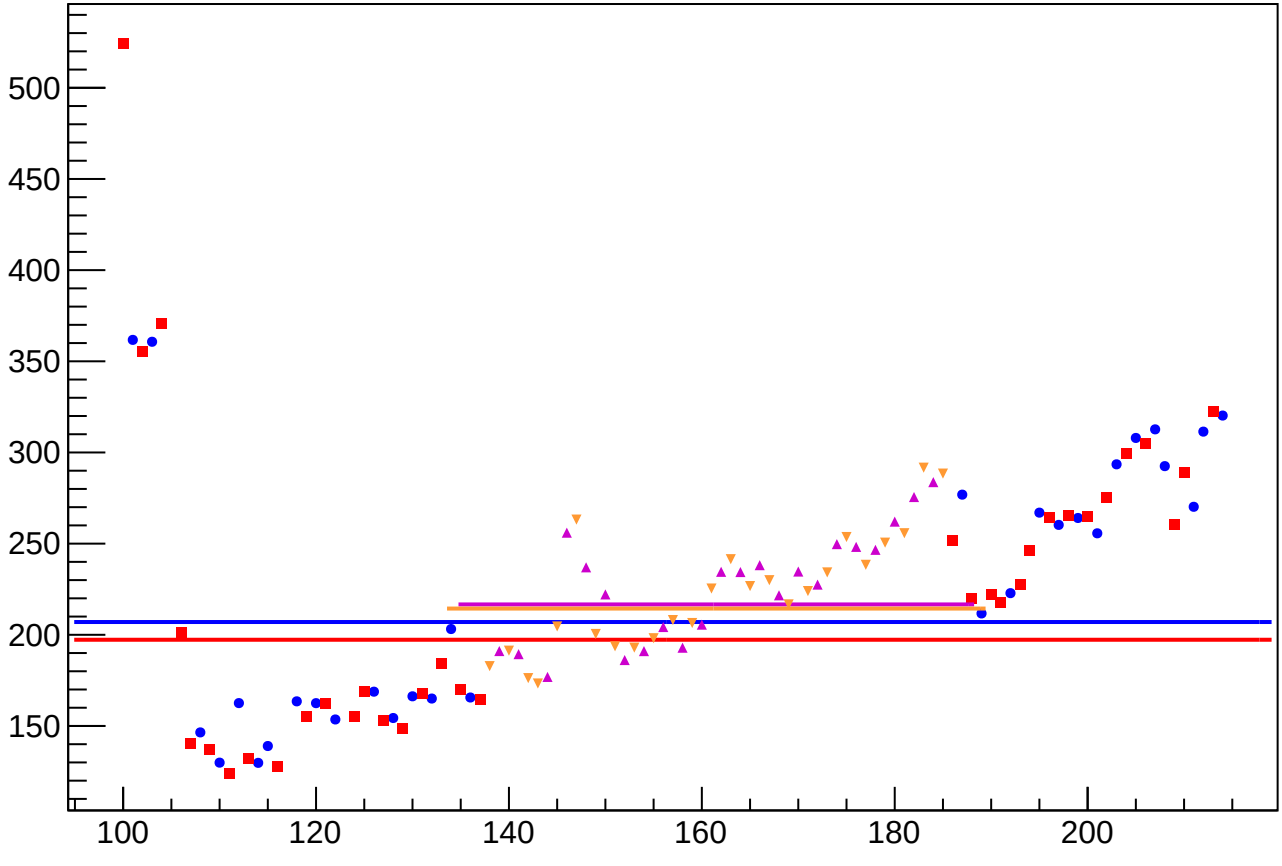
Right: 141251.430+/-0.035 χ^2/NDF: 7290117063.5/

In: 143437.159+/-0.036 χ^2/NDF:16954897056.7/5

Out: 143102.930+/-0.035 χ^2/NDF:21076623815.8

All: 143261.743+/-0.025 χ^2/NDF: 38075886

yield_bpm0i05WS_rms vs Slug, Sign Corrected



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

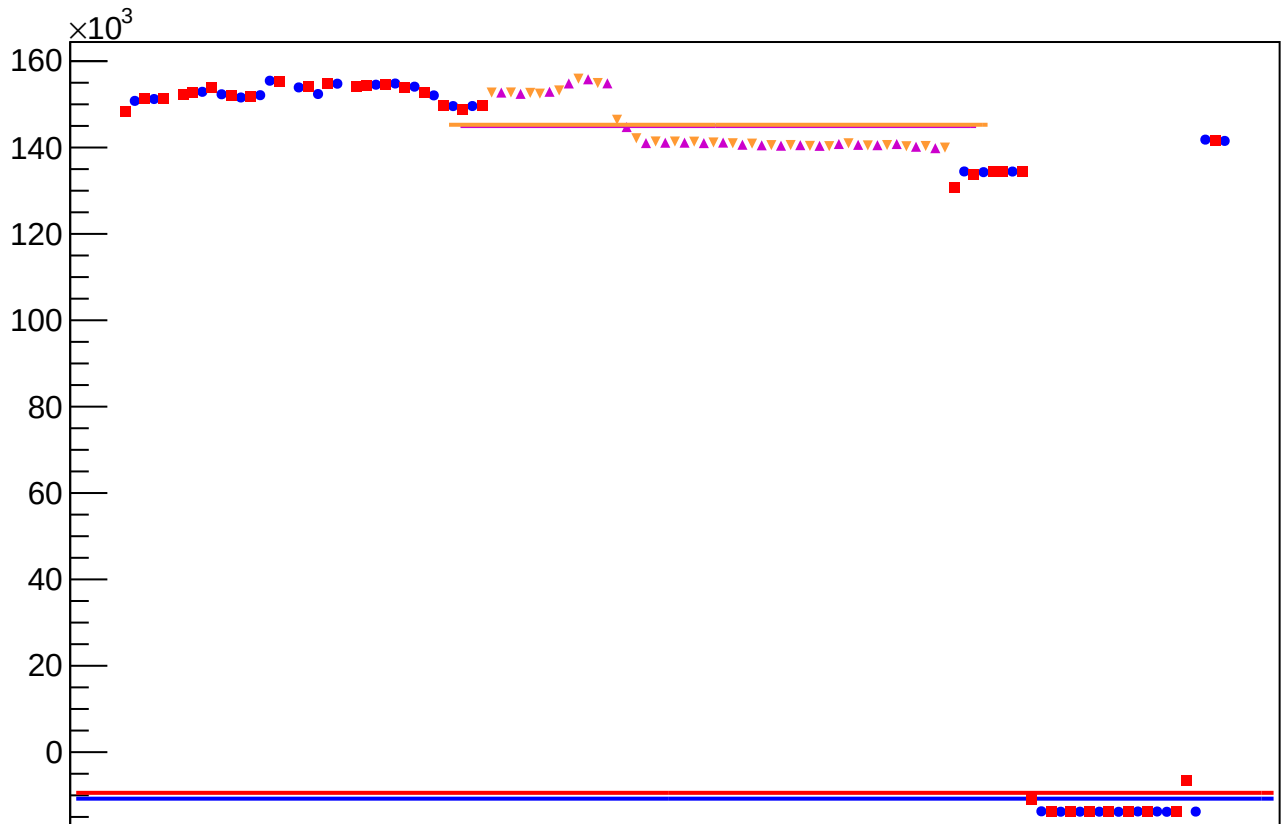
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 201.855+/-0.025 χ^2/NDF: 6617427.1/63

In: 211.801+/-0.026 χ^2/NDF:3741554.0/52

Out: 205.597+/-0.024 χ^2/NDF:4225607.8/58

All: 208.545+/-0.018 χ^2/NDF: 7997733.0/11



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

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

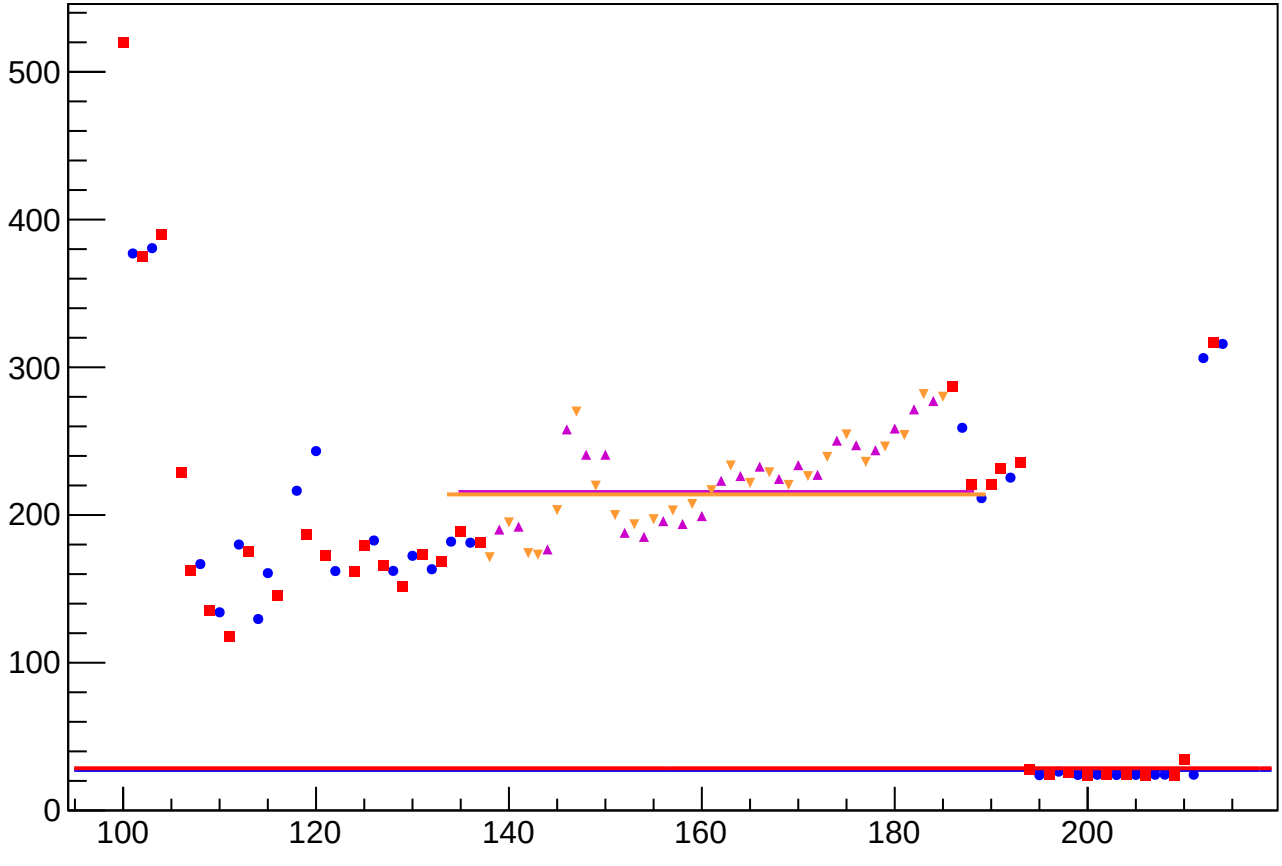
Right: -10142.024+/-0.006 χ^2/NDF: 136348240936

In: -6358.054+/-0.009 χ^2/NDF:15284113423345.

Out: -4031.052+/-0.009 χ^2/NDF:16823588398949

All: -5272.613+/-0.006 χ^2/NDF: 3214170839

yield_bpm0i07WS_rms vs Slug, Sign Corrected



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

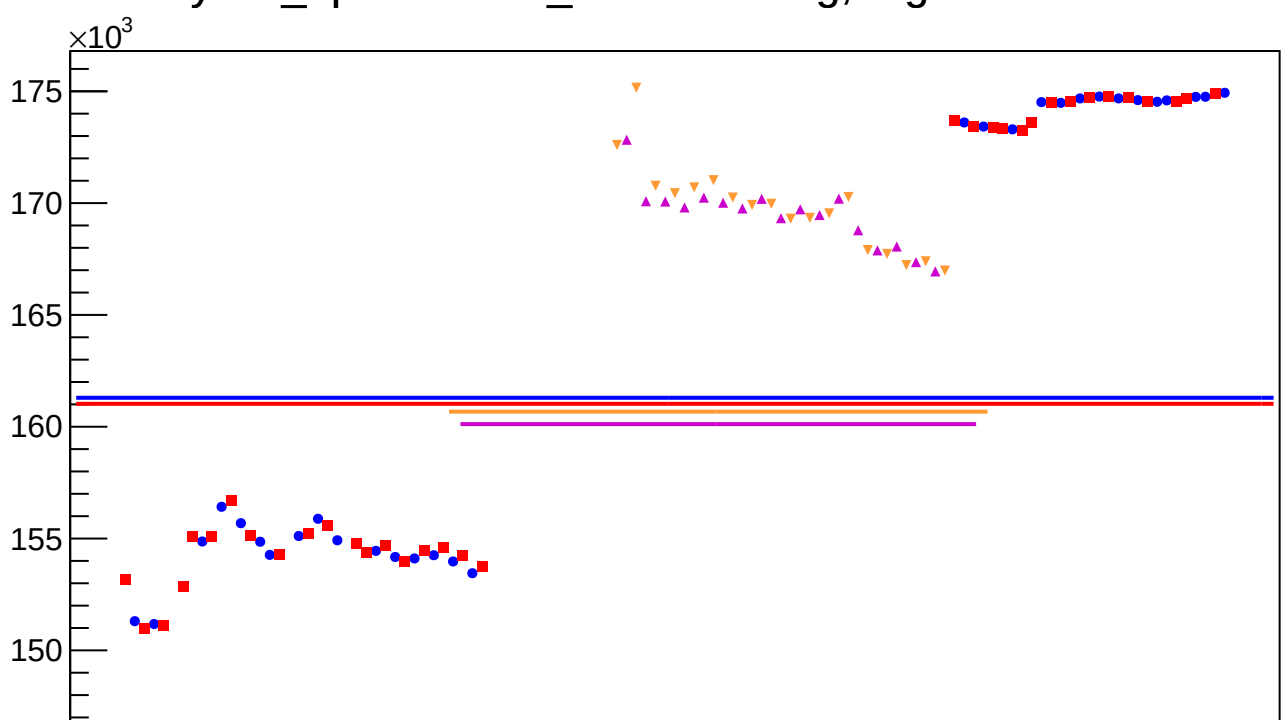
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 27.956+/-0.005 χ^2/NDF: 31426709.6/63

In: 32.782+/-0.006 χ^2/NDF:42286968.1/52

Out: 34.993+/-0.007 χ^2/NDF:43805299.9/58

All: 33.813+/-0.004 χ^2/NDF: 86153680.4/111



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

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

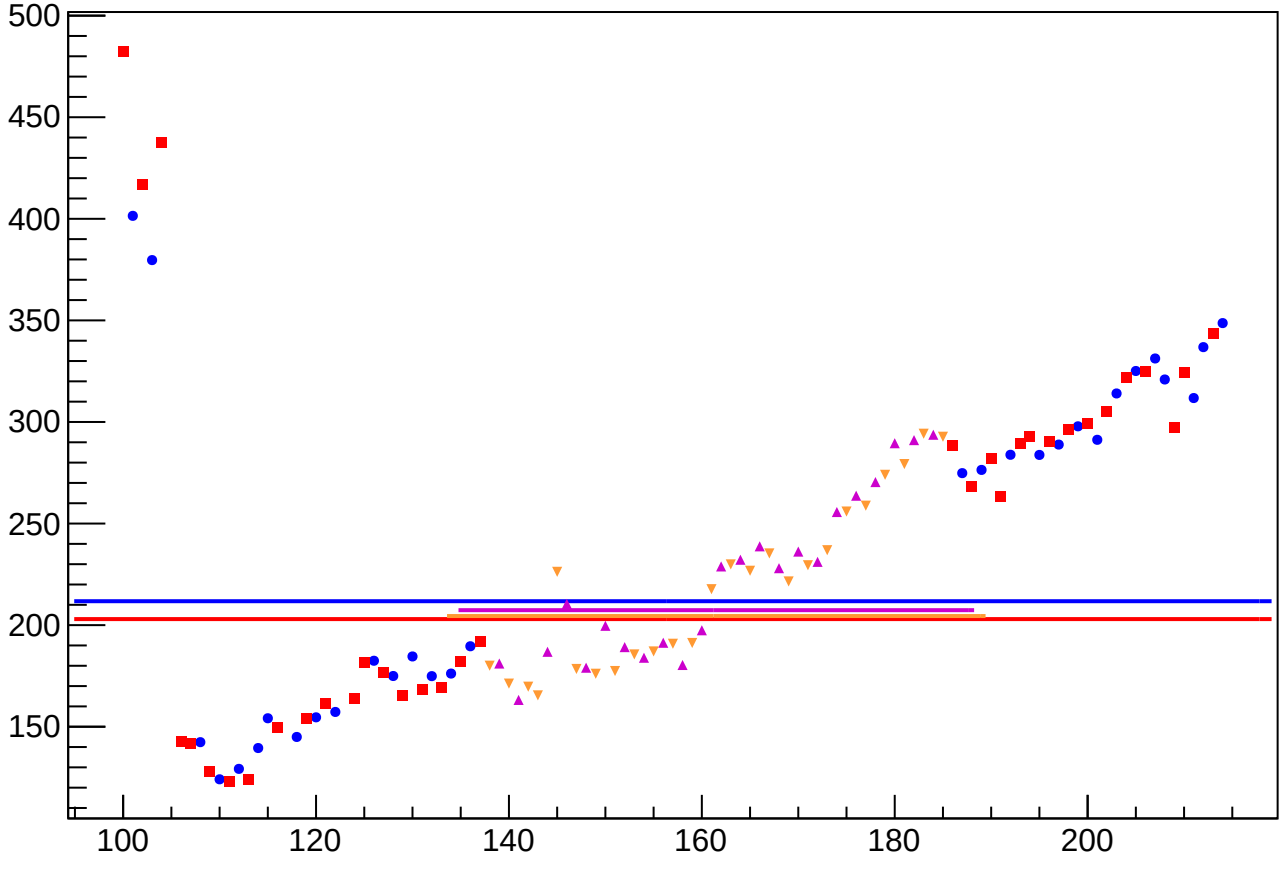
Right: 161152.589+/-0.037 χ^2/NDF: 63503562632.

In: 160662.470+/-0.036 χ^2/NDF:97518023088.7/5

Out: 160839.377+/-0.035 χ^2/NDF:106968979884.

All: 160755.193+/-0.025 χ^2/NDF: 204499513

yield_bpm1i02WS_rms vs Slug, Sign Corrected



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

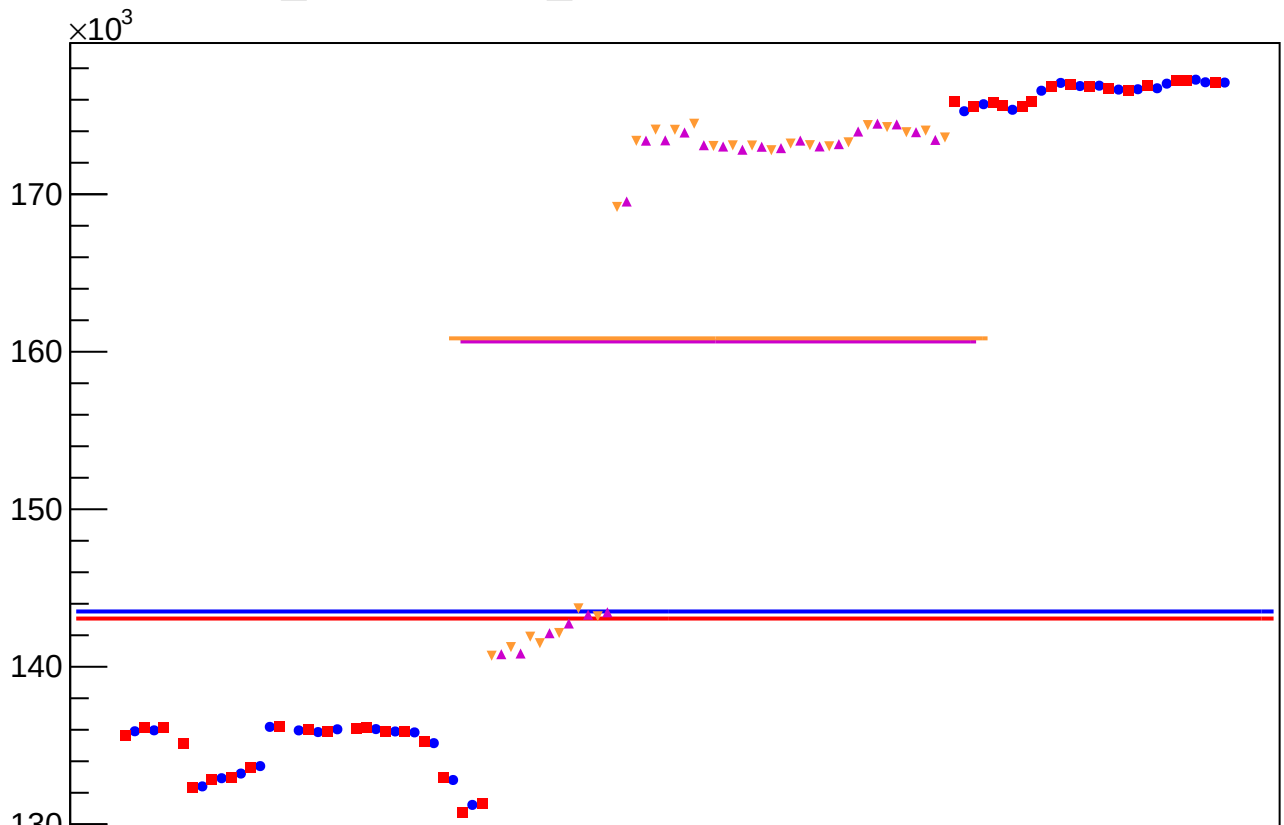
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 207.131+/-0.026 χ^2/NDF: 9165886.7/63

In: 209.409+/-0.026 χ^2/NDF:5250272.2/52

Out: 203.771+/-0.024 χ^2/NDF:5924895.9/58

All: 206.454+/-0.018 χ^2/NDF: 11200582.9/11



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

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

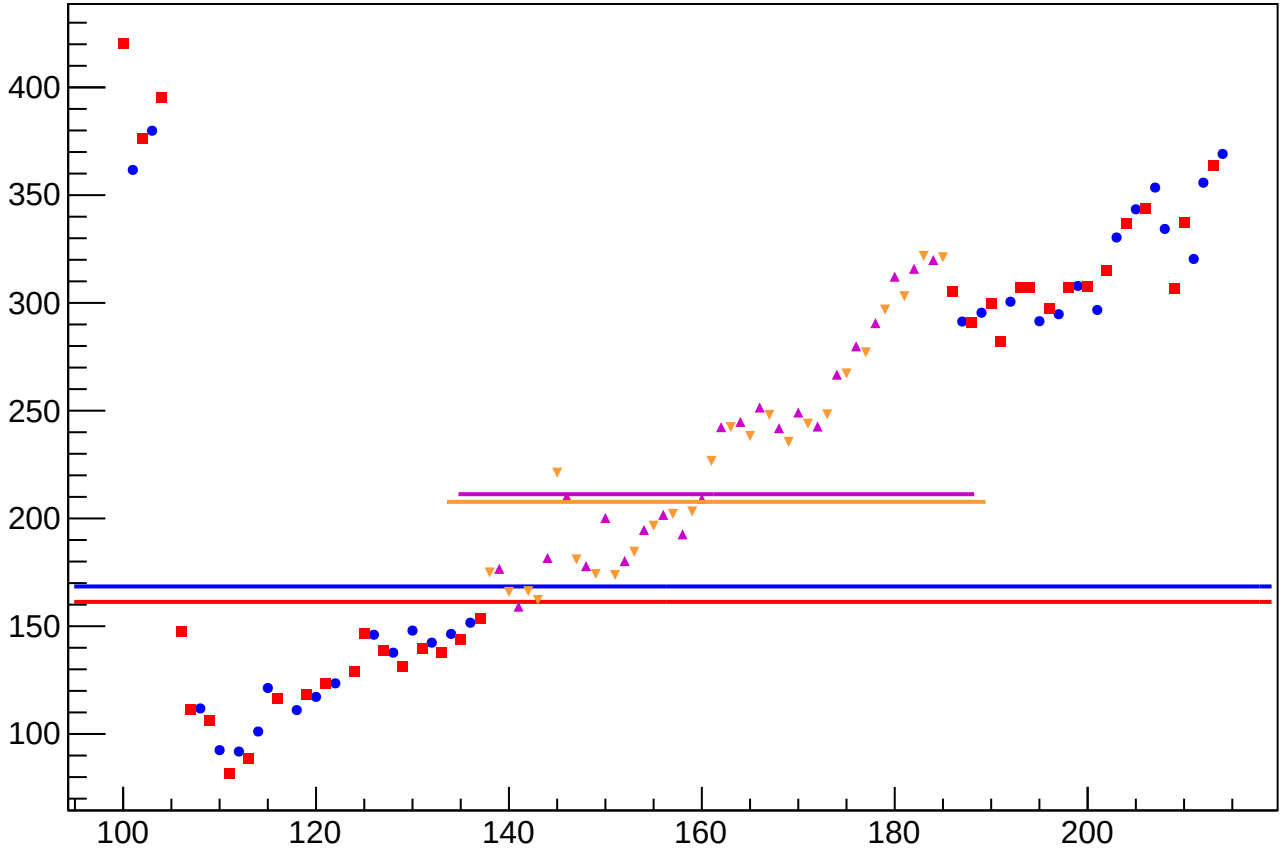
Right: 143274.613+/-0.031 χ^2/NDF: 316917782885

In: 151070.642+/-0.034 χ^2/NDF:306940316866.7

Out: 150832.364+/-0.032 χ^2/NDF:339417408461.

All: 150945.706+/-0.023 χ^2/NDF: 64638408

yield_bpm1i04WS_rms vs Slug, Sign Corrected



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

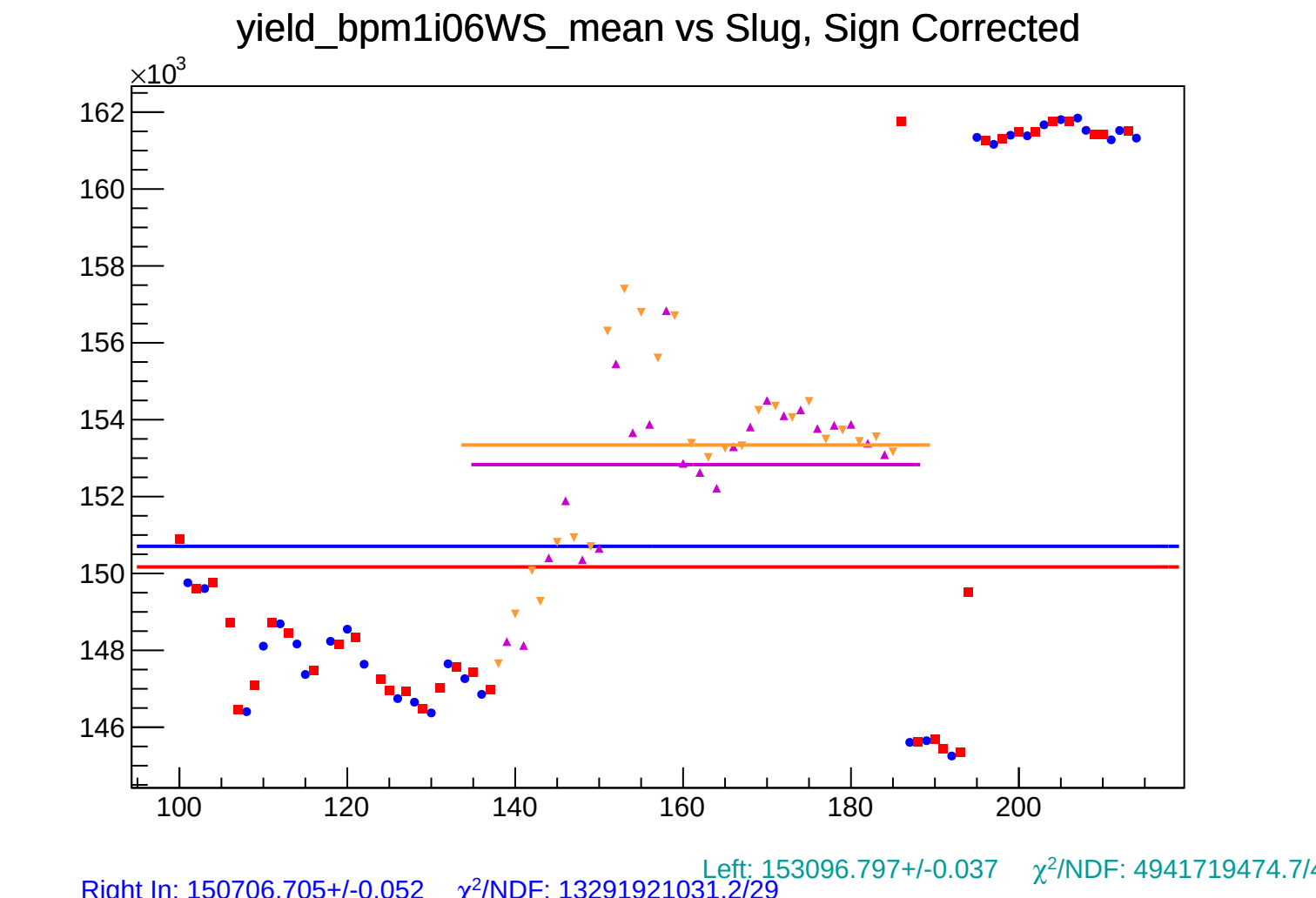
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 164.681+/-0.022 χ^2/NDF: 16424998.7/63

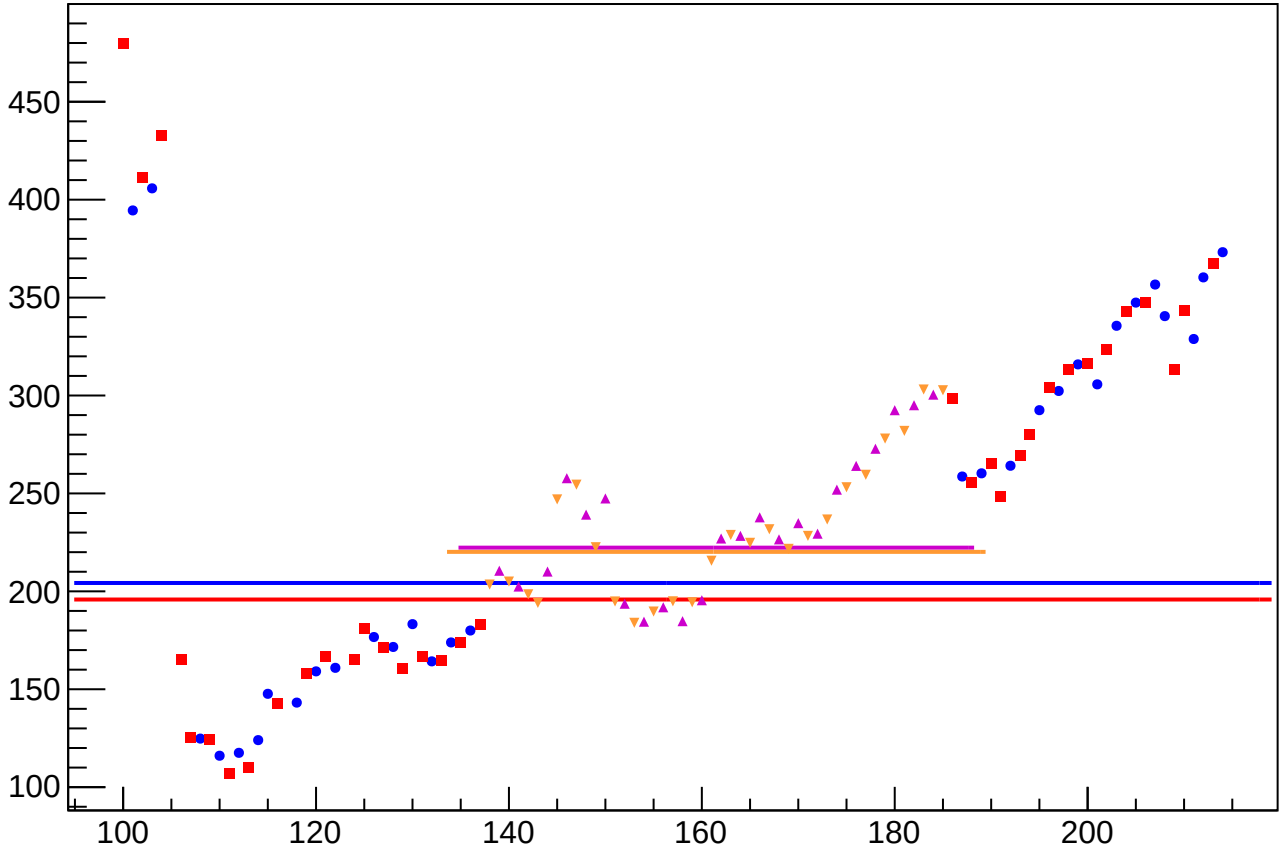
In: 187.324+/-0.024 χ^2/NDF:9953675.6/52

Out: 181.558+/-0.023 χ^2/NDF:11085005.1/58

All: 184.300+/-0.016 χ^2/NDF: 21069553.8/11


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×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
Left: 153096.797+/-0.037 χ²/NDF: 4941719474.7/4
Right: 150423.517+/-0.036 χ²/NDF: 25836162400.
In: 151757.552+/-0.037 χ²/NDF:16024731403.2/5
Out: 151711.511+/-0.035 χ²/NDF:17471981516.3
All: 151733.438+/-0.026 χ²/NDF: 33497518

yield_bpm1i06WS_rms vs Slug, Sign Corrected



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

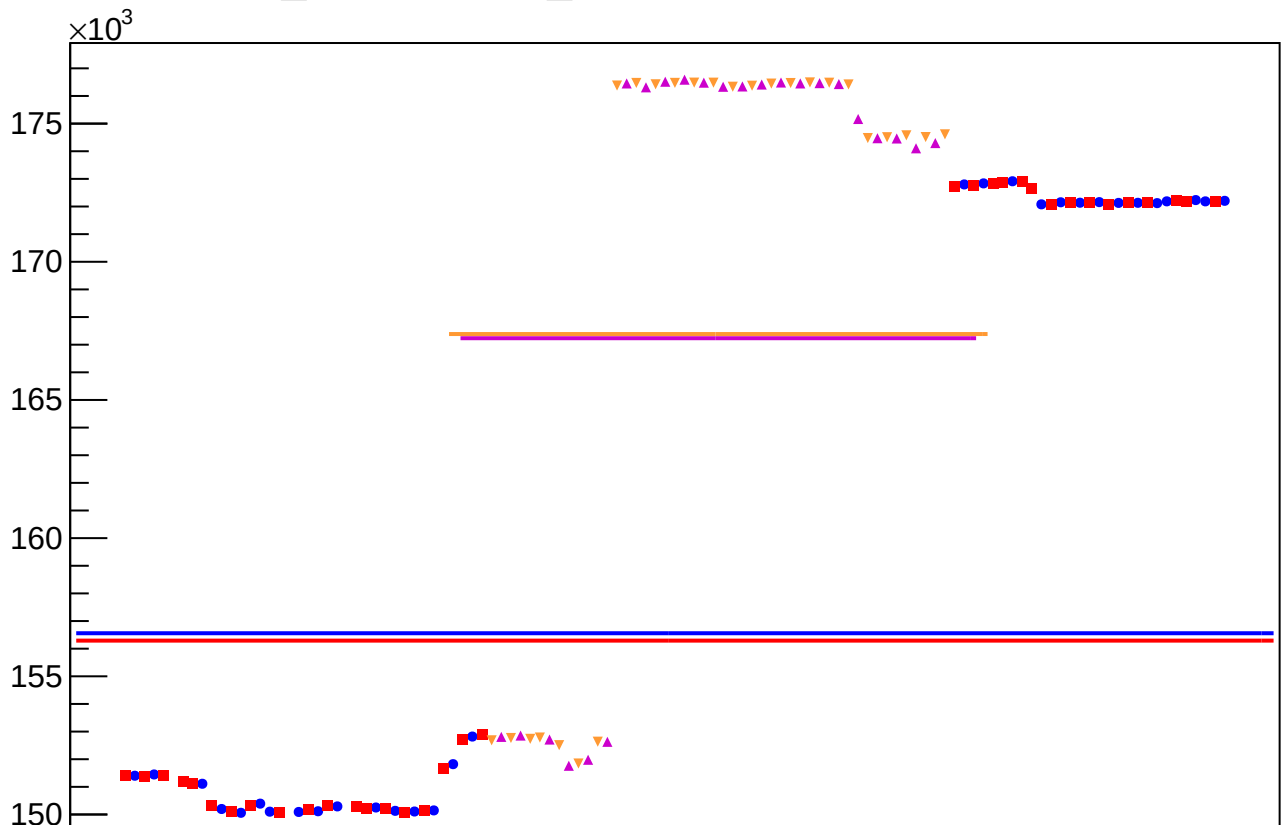
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 199.810+/-0.025 χ^2/NDF: 11186329.2/63

In: 213.190+/-0.026 χ^2/NDF:6173510.6/52

Out: 207.645+/-0.025 χ^2/NDF:6722235.0/58

All: 210.286+/-0.018 χ^2/NDF: 12919097.3/11



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

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

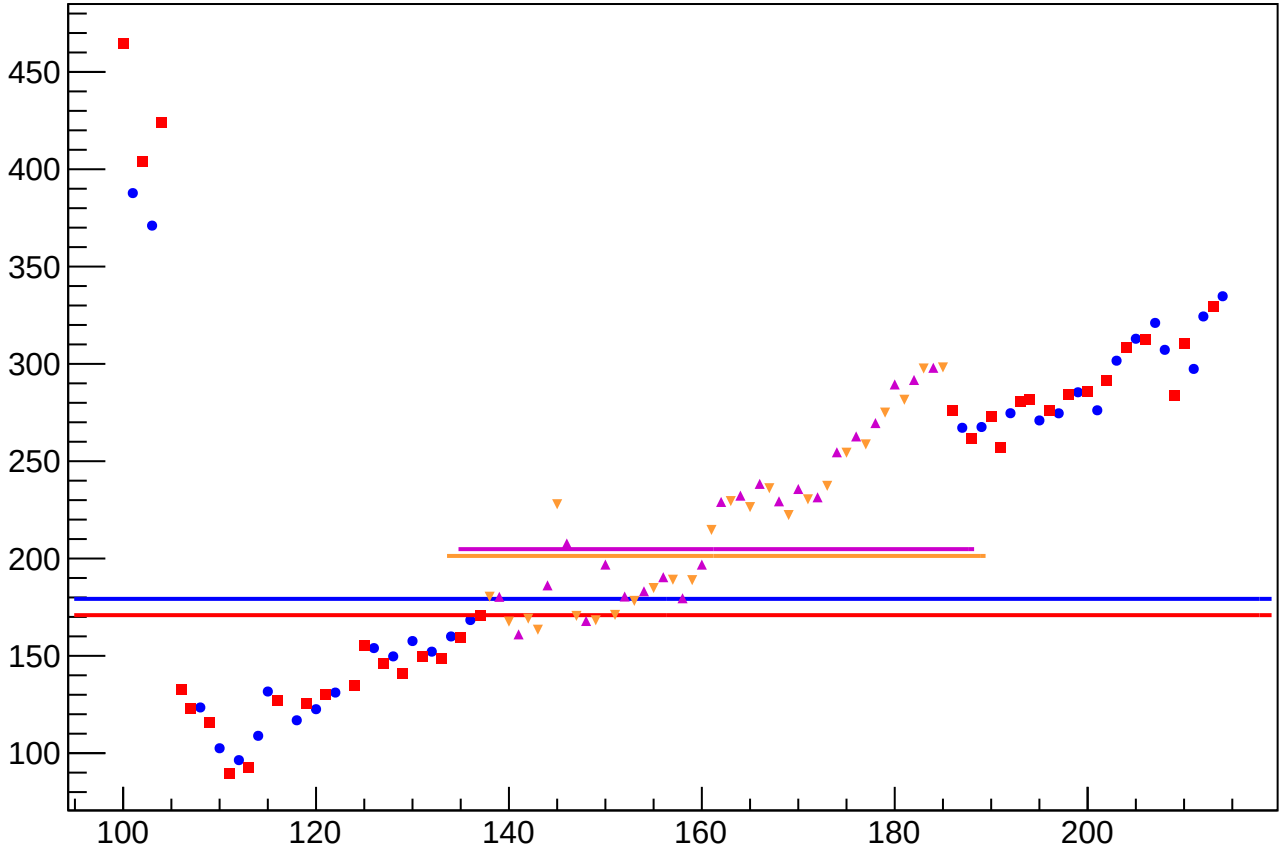
Right: 156417.270+/-0.032 χ^2/NDF: 92162529983.

In: 161628.079+/-0.034 χ^2/NDF:124018957028.5

Out: 161476.347+/-0.032 χ^2/NDF:137903568292.

All: 161548.218+/-0.023 χ^2/NDF: 261933209

yield_bpm2i01WS_rms vs Slug, Sign Corrected



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

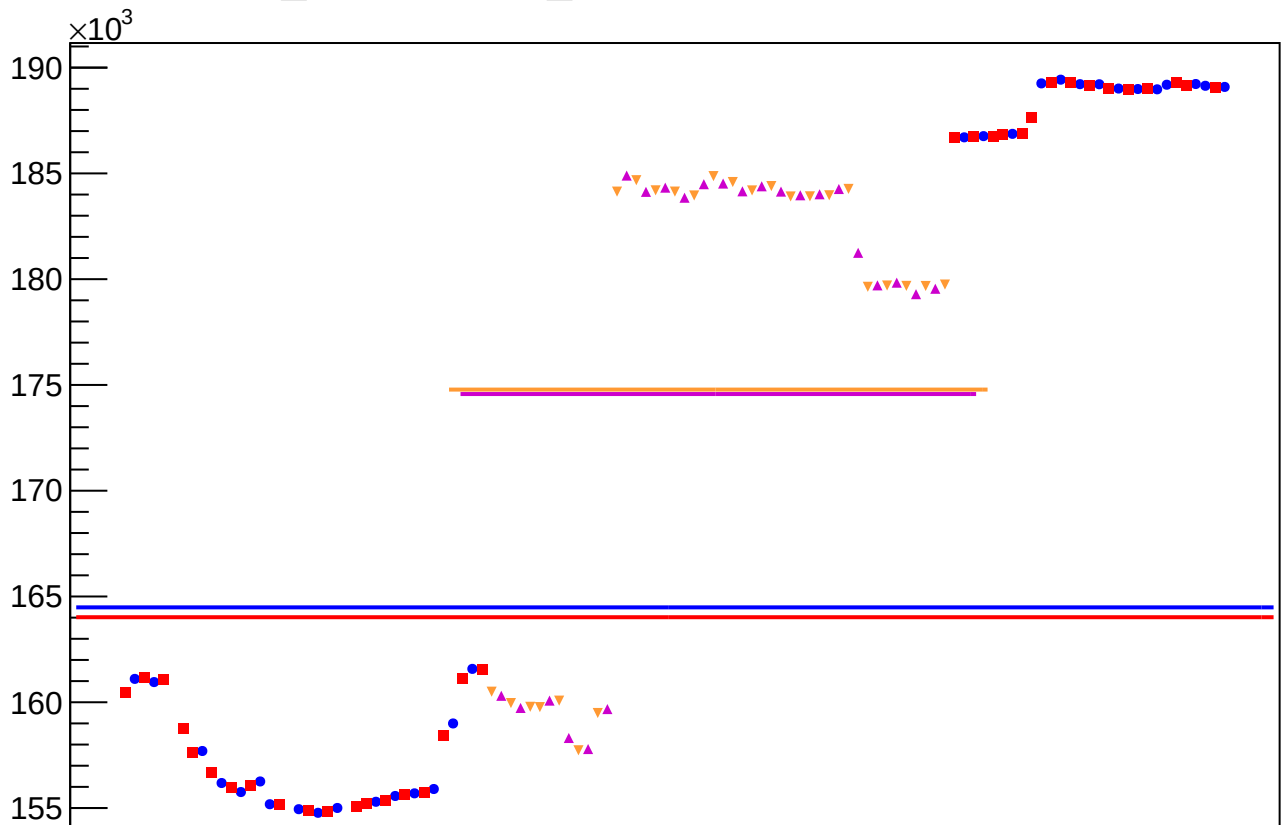
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 174.836+/-0.023 χ^2/NDF: 12956525.2/63

In: 191.406+/-0.024 χ^2/NDF:7446179.7/52

Out: 185.122+/-0.023 χ^2/NDF:8498553.4/58

All: 188.098+/-0.016 χ^2/NDF: 15981384.8/11



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

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

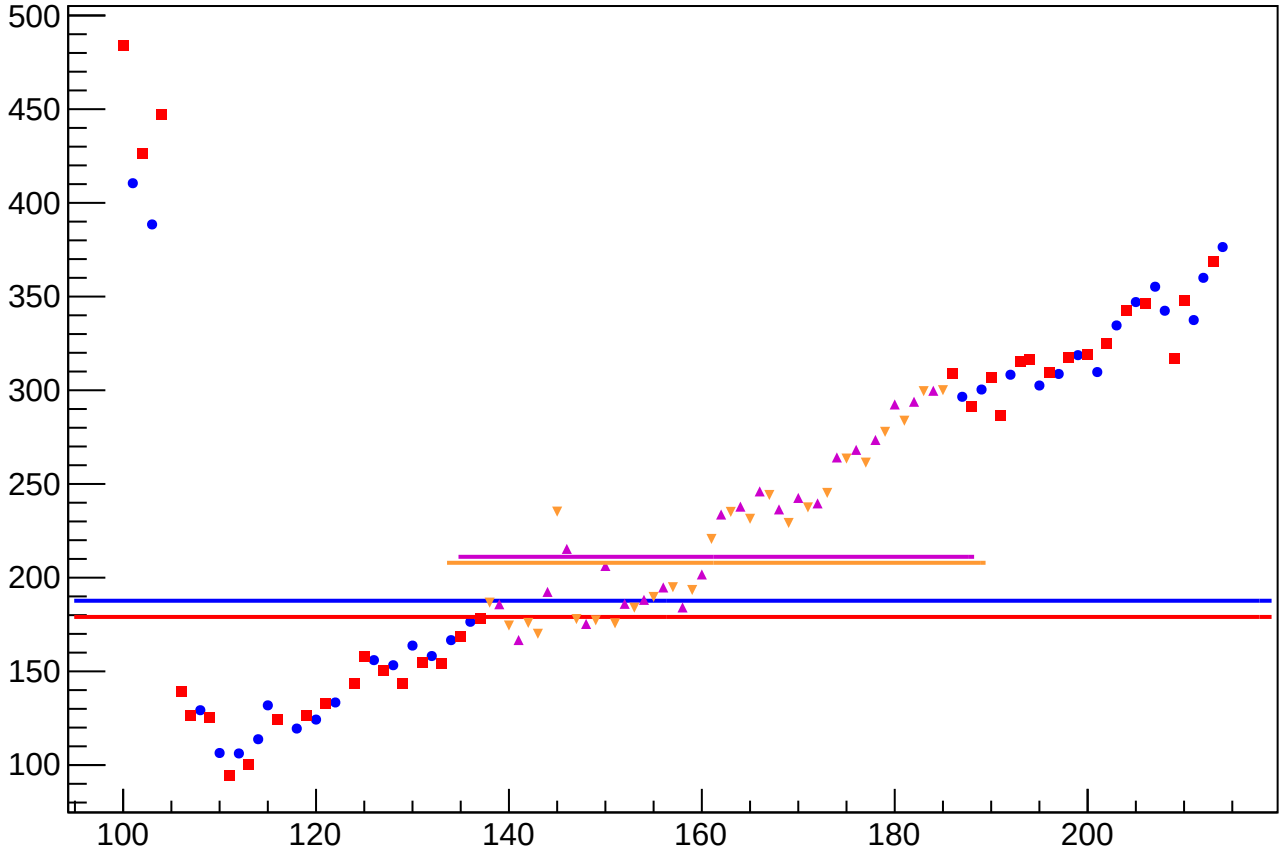
Right: 164238.903+/-0.034 χ^2/NDF: 16819964968

In: 169419.411+/-0.035 χ^2/NDF:156690370509.4

Out: 169196.246+/-0.033 χ^2/NDF:170712260225.

All: 169302.067+/-0.024 χ^2/NDF: 32742375

yield_bpm2i02WS_rms vs Slug, Sign Corrected



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

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

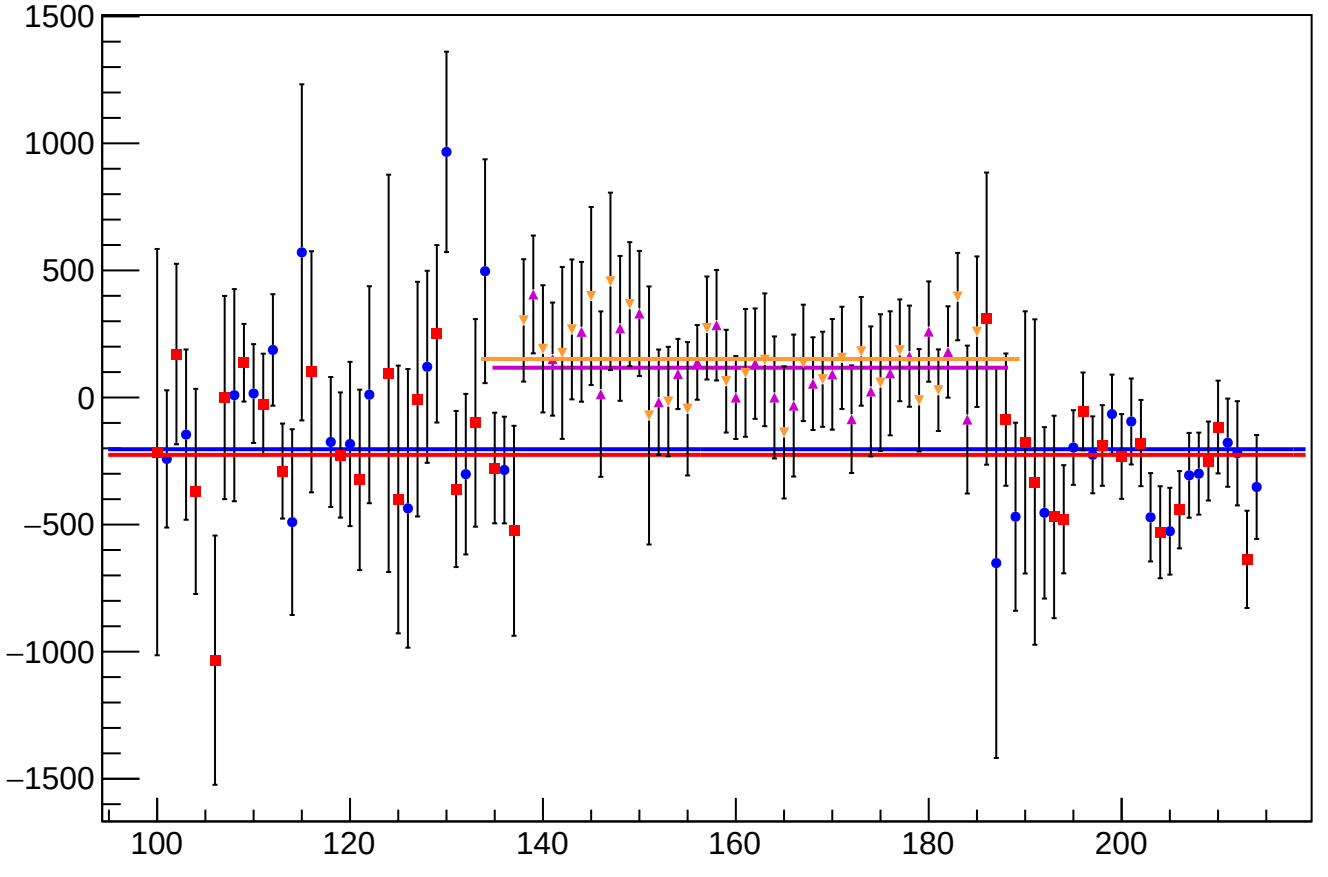
Right: 183.107+/-0.024 χ^2/NDF: 14408685.4/63

In: 199.157+/-0.025 χ^2/NDF:8050066.7/52

Out: 192.944+/-0.024 χ^2/NDF:9046477.8/58

All: 195.890+/-0.017 χ^2/NDF: 17129291.3/11

asym_bcm_target_mean vs Slug, Sign Corrected



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

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

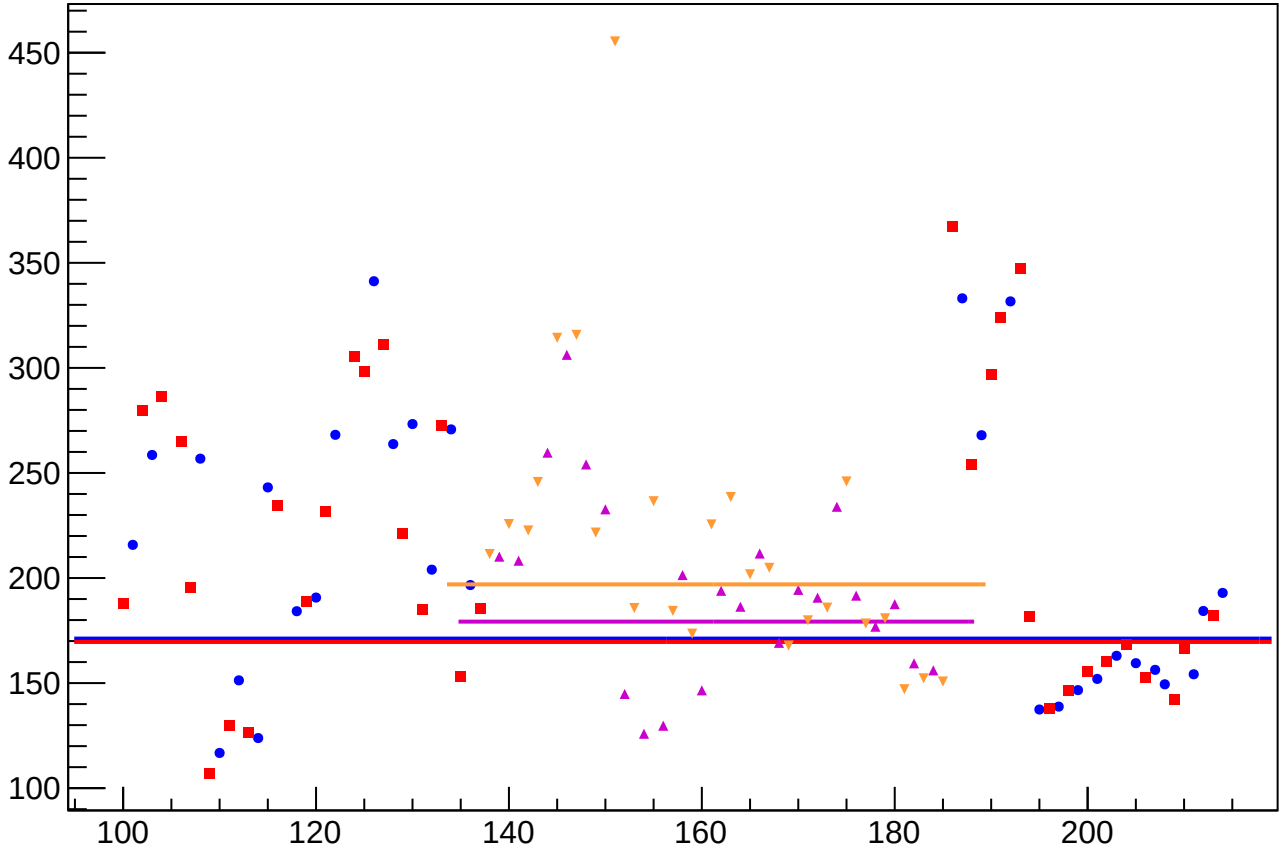
Right: -214.704+/-29.252 χ^2/NDF: 58.6/63

In: -51.270+/-30.163 χ^2/NDF:65.0/52

Out: -59.763+/-30.782 χ^2/NDF:75.7/58

All: -55.430+/-21.544 χ^2/NDF: 140.8/111

asym_bcm_target_rms vs Slug, Sign Corrected



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

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

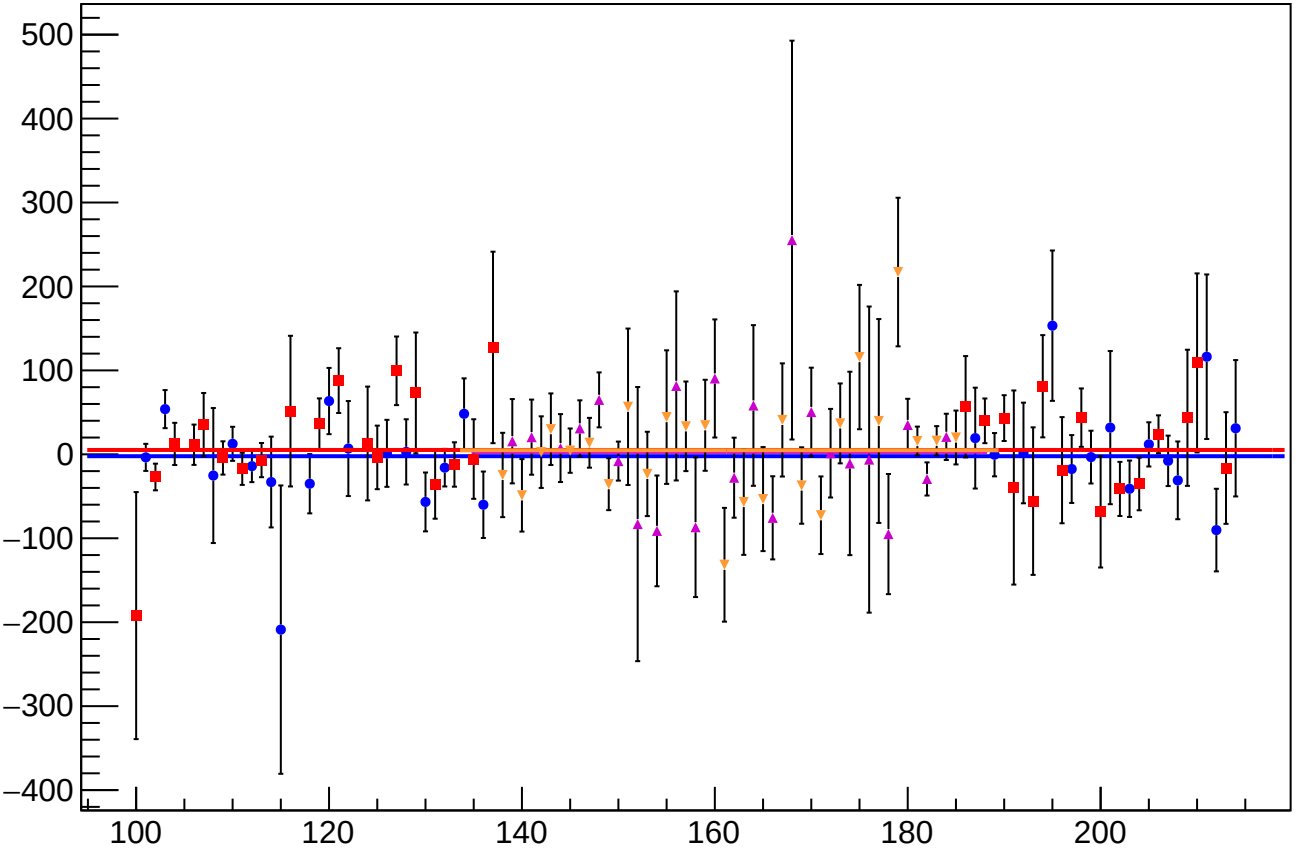
Right: 170.372+/-0.021 χ^2/NDF: 5262272.4/63

In: 175.013+/-0.021 χ^2/NDF:3980488.3/52

Out: 181.629+/-0.022 χ^2/NDF:5171547.7/58

All: 178.254+/-0.015 χ^2/NDF: 9199173.2/11

asym_bcm_an_diff_mean vs Slug, Sign Corrected



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

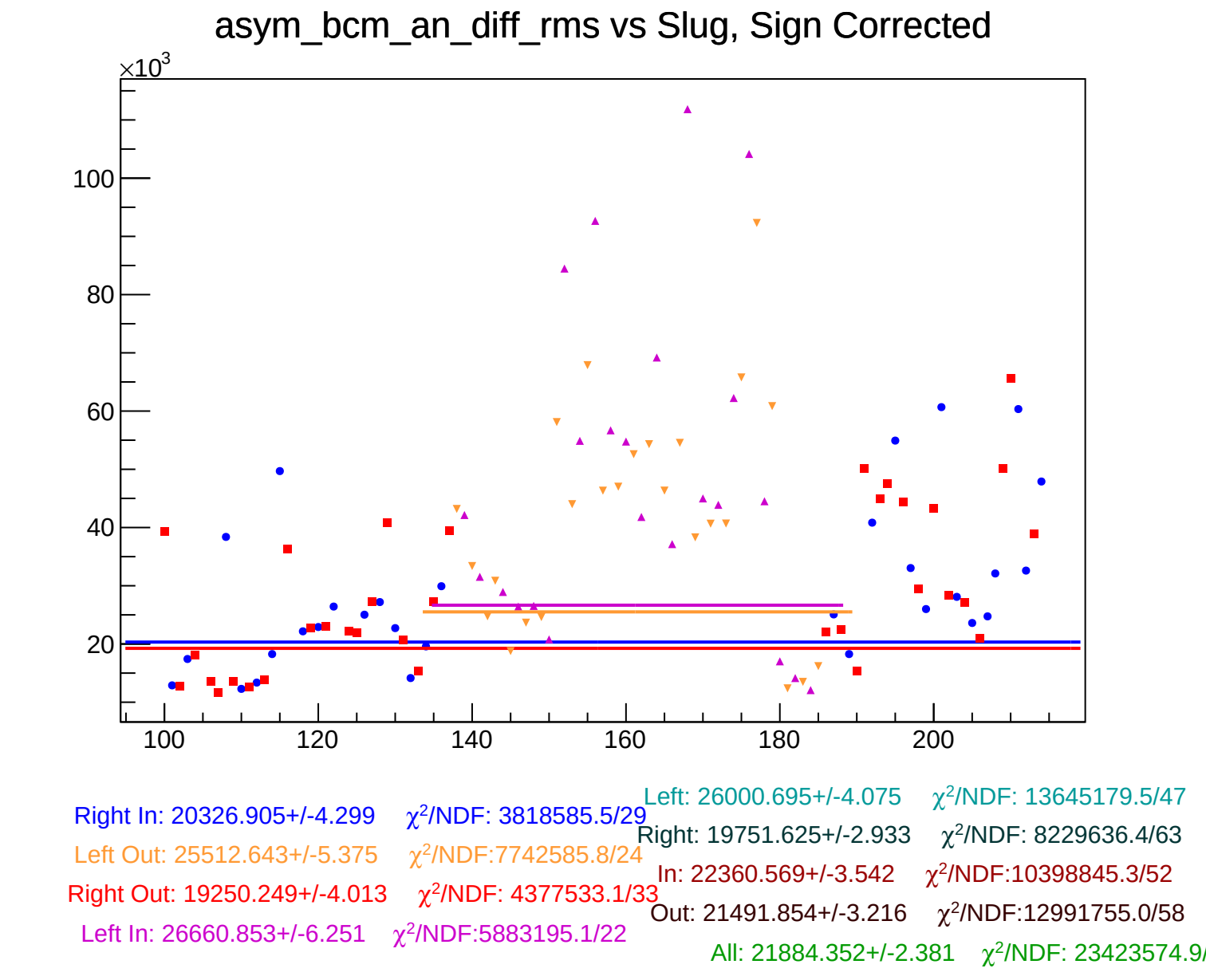
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 1.742+/-4.149 χ^2/NDF: 68.3/63

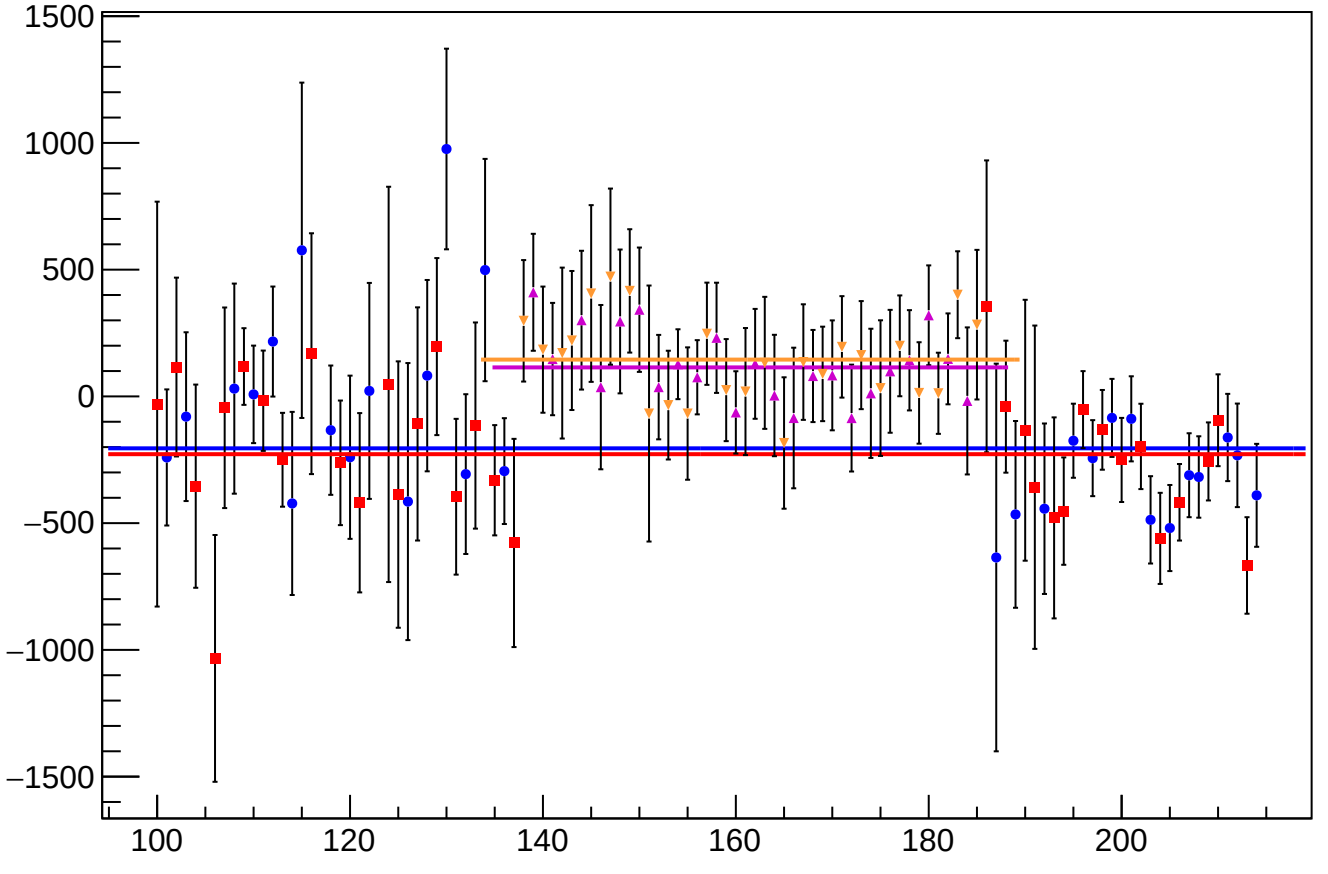
In: -0.575+/-5.009 χ^2/NDF:51.0/52

Out: 5.059+/-4.548 χ^2/NDF:62.6/58

All: 2.513+/-3.367 χ^2/NDF: 114.3/111


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
120
140
160
180
200
Right In: 20326.905+/-4.299 χ²/NDF: 3818585.5/29
Left Out: 25512.643+/-5.375 χ²/NDF:7742585.8/24
Right Out: 19250.249+/-4.013 χ²/NDF: 4377533.1/33
Left In: 26660.853+/-6.251 χ²/NDF:5883195.1/22
Left: 26000.695+/-4.075 χ²/NDF: 13645179.5/47
Right: 19751.625+/-2.933 χ²/NDF: 8229636.4/63
In: 22360.569+/-3.542 χ²/NDF:10398845.3/52
Out: 21491.854+/-3.216 χ²/NDF:12991755.0/58
All: 21884.352+/-2.381 χ²/NDF: 23423574.9/

asym_bcm_an_ds_mean vs Slug, Sign Corrected



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

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

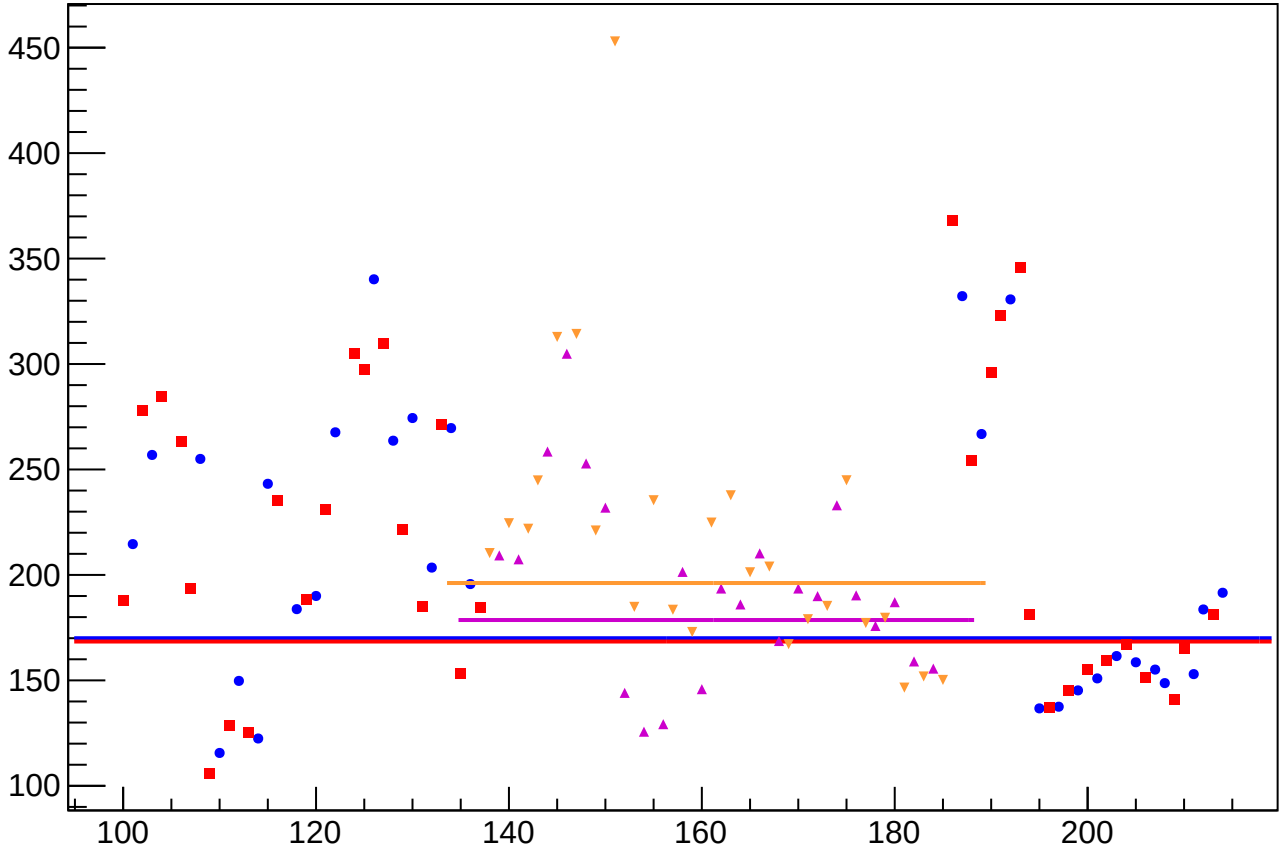
Right: -216.549+/-29.064 χ^2/NDF: 61.0/63

In: -53.785+/-30.007 χ^2/NDF:67.1/52

Out: -64.262+/-30.616 χ^2/NDF:78.1/58

All: -58.918+/-21.430 χ^2/NDF: 145.3/111

asym_bcm_an_ds_rms vs Slug, Sign Corrected



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

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

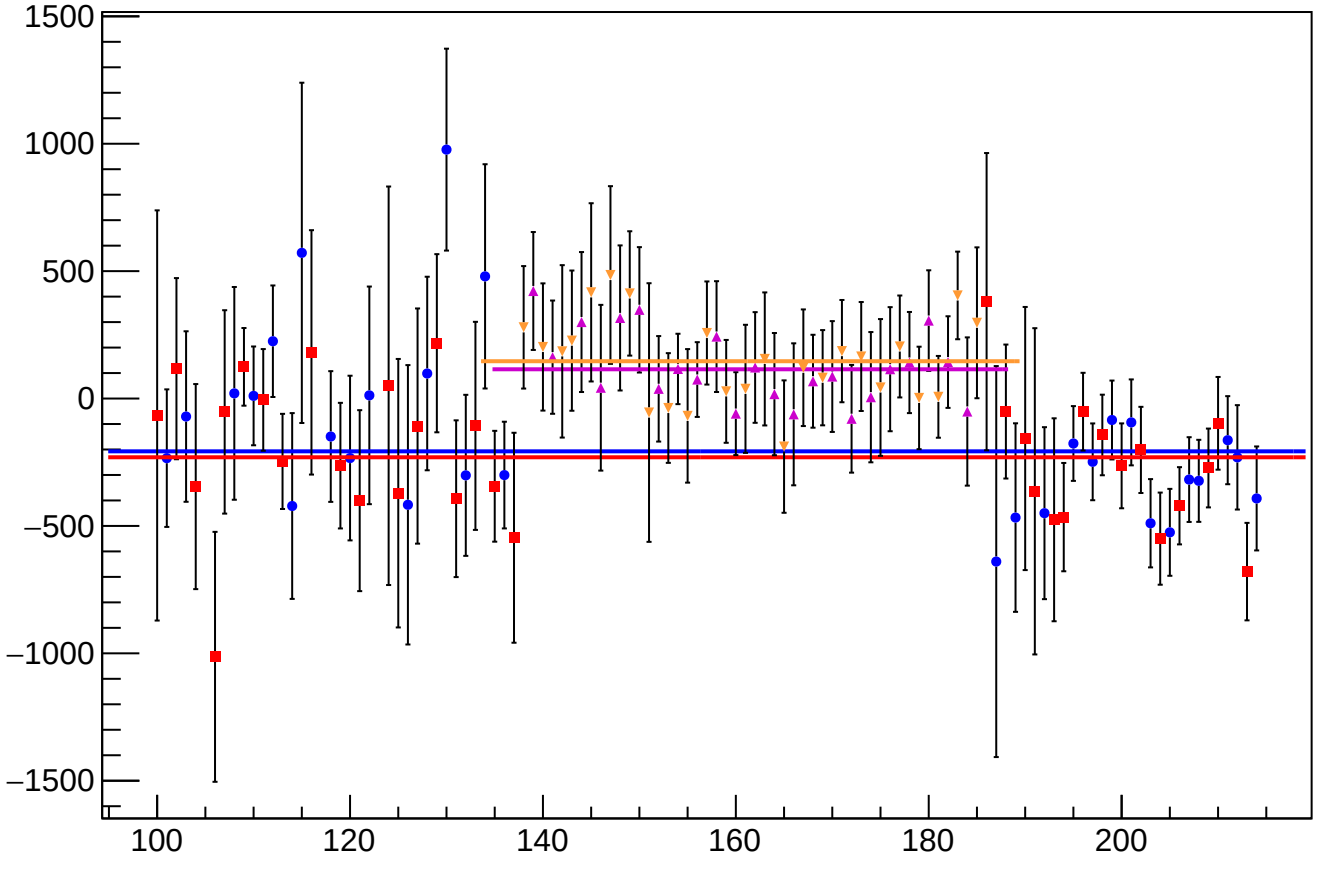
Right: 169.196+/-0.021 χ^2/NDF: 5331045.3/63

In: 174.072+/-0.021 χ^2/NDF:4011953.3/52

Out: 180.593+/-0.022 χ^2/NDF:5222023.1/58

All: 177.267+/-0.015 χ^2/NDF: 9280251.9/111

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



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

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

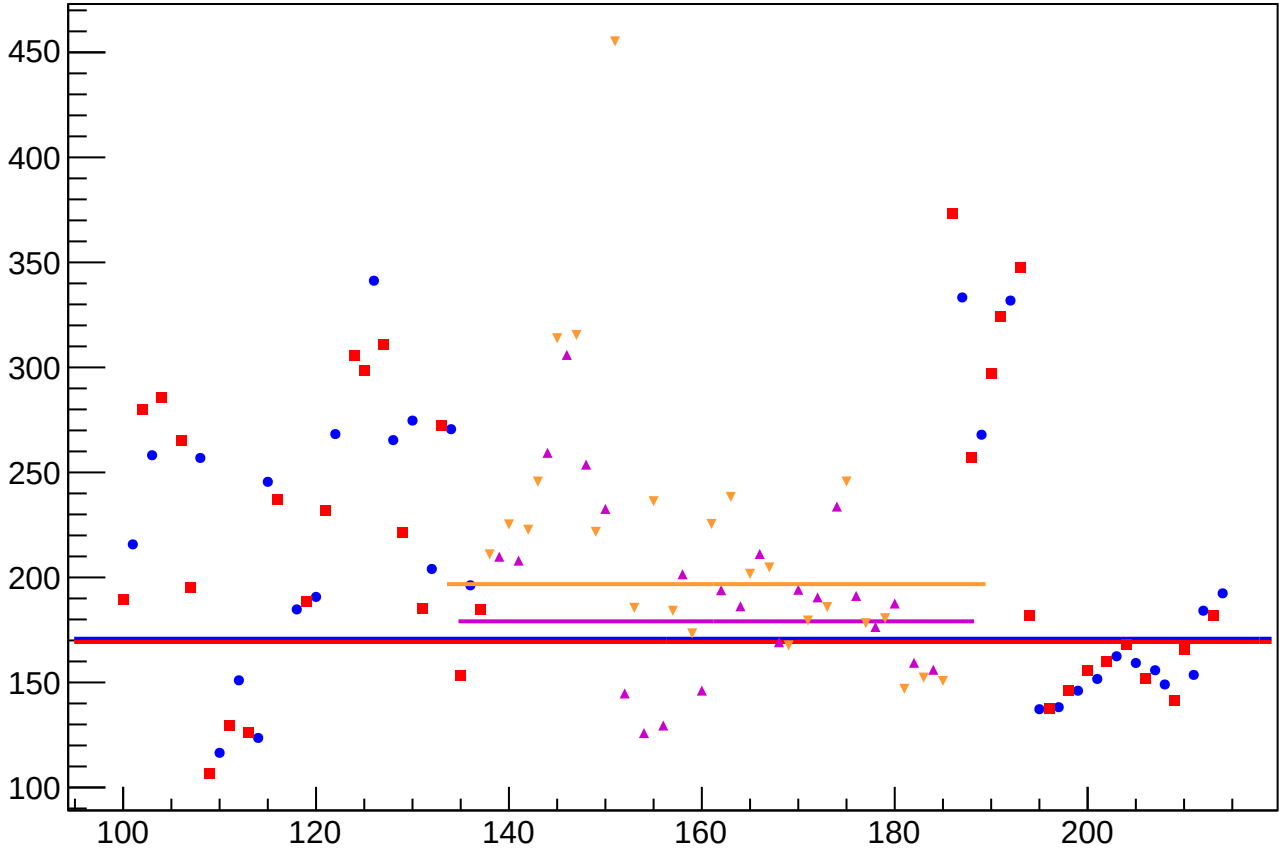
Right: -219.007+/-29.206 χ^2/NDF: 61.2/63

In: -54.492+/-30.122 χ^2/NDF:67.5/52

Out: -64.864+/-30.748 χ^2/NDF:78.9/58

All: -59.572+/-21.517 χ^2/NDF: 146.5/111

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



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

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

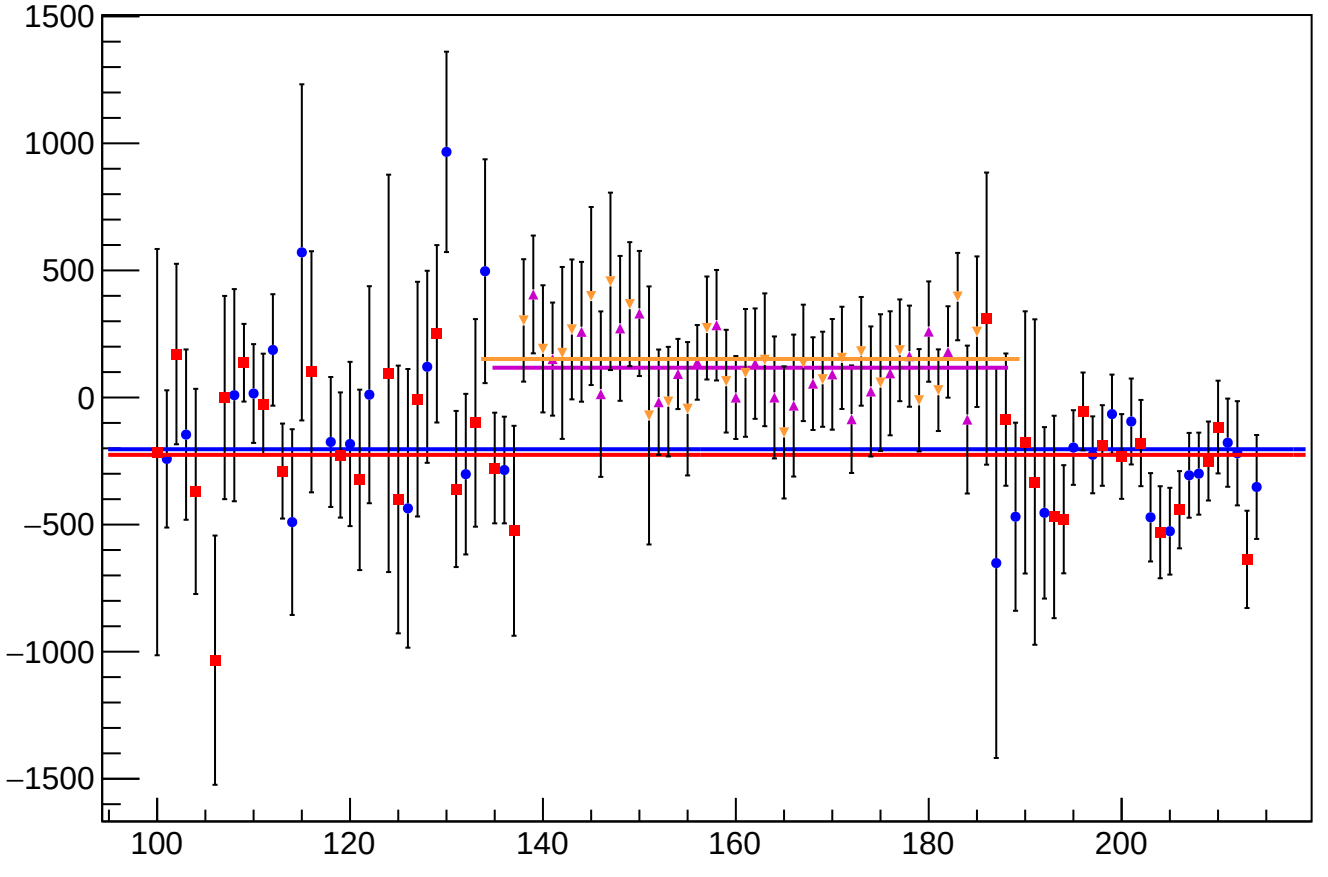
Right: 170.035+/-0.021 χ^2/NDF: 5320440.8/63

In: 174.741+/-0.021 χ^2/NDF:4004491.1/52

Out: 181.377+/-0.022 χ^2/NDF:5211736.8/58

All: 177.991+/-0.015 χ^2/NDF: 9263755.3/11

asym_bcm_an_us_mean vs Slug, Sign Corrected



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

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

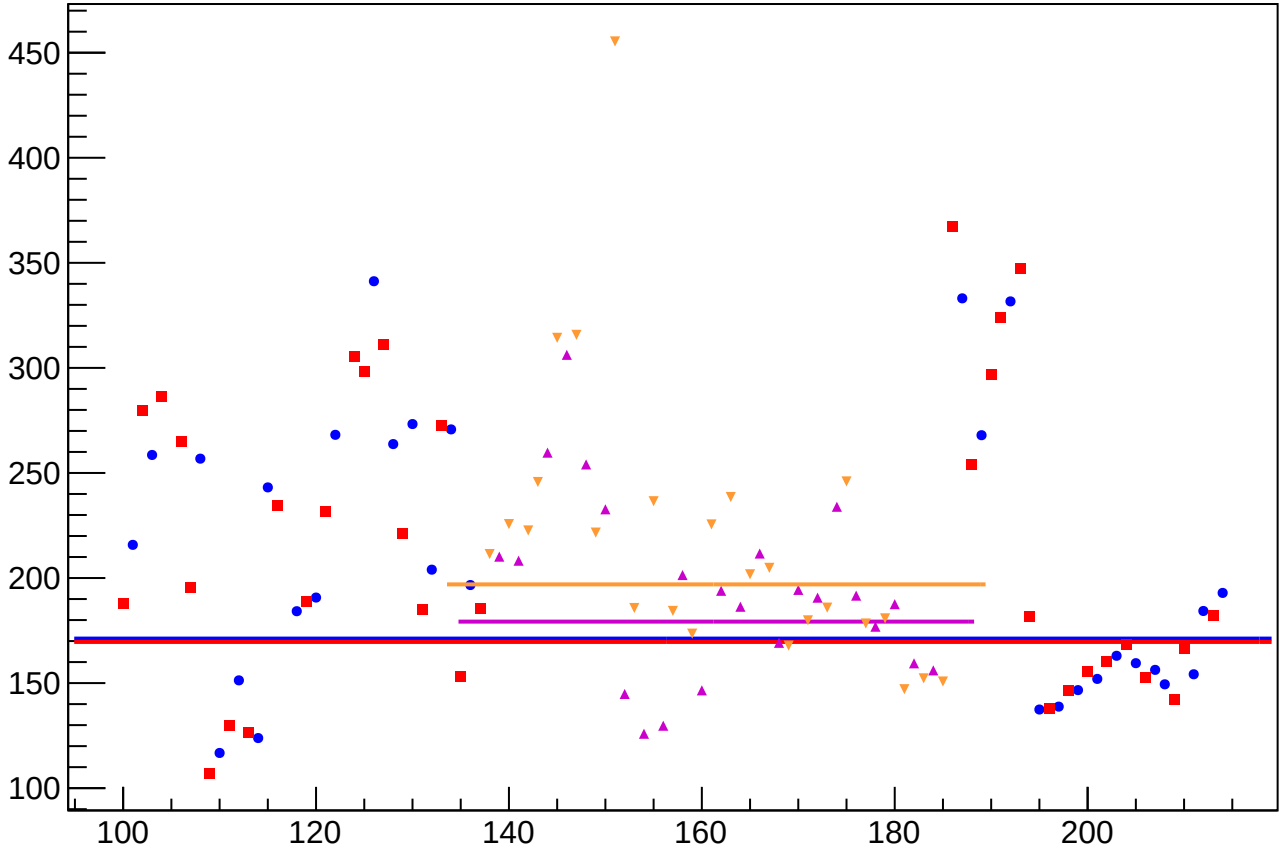
Right: -214.704+/-29.252 χ^2/NDF: 58.6/63

In: -51.270+/-30.163 χ^2/NDF:65.0/52

Out: -59.763+/-30.782 χ^2/NDF:75.7/58

All: -55.430+/-21.544 χ^2/NDF: 140.8/111

asym_bcm_an_us_rms vs Slug, Sign Corrected



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

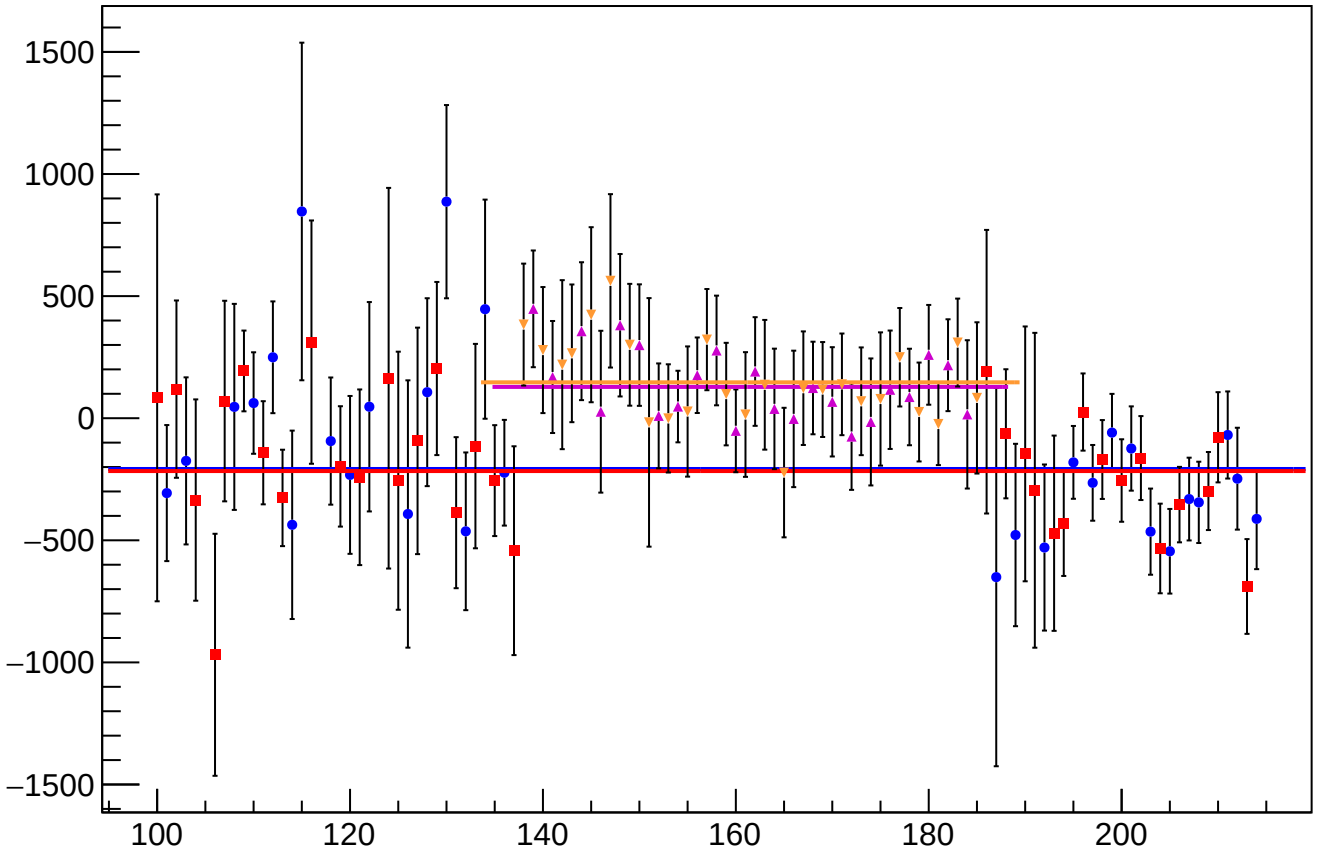
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 170.372+/-0.021 χ^2/NDF: 5262272.4/63

In: 175.013+/-0.021 χ^2/NDF:3980488.3/52

Out: 181.629+/-0.022 χ^2/NDF:5171547.7/58

All: 178.254+/-0.015 χ^2/NDF: 9199173.2/11



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

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

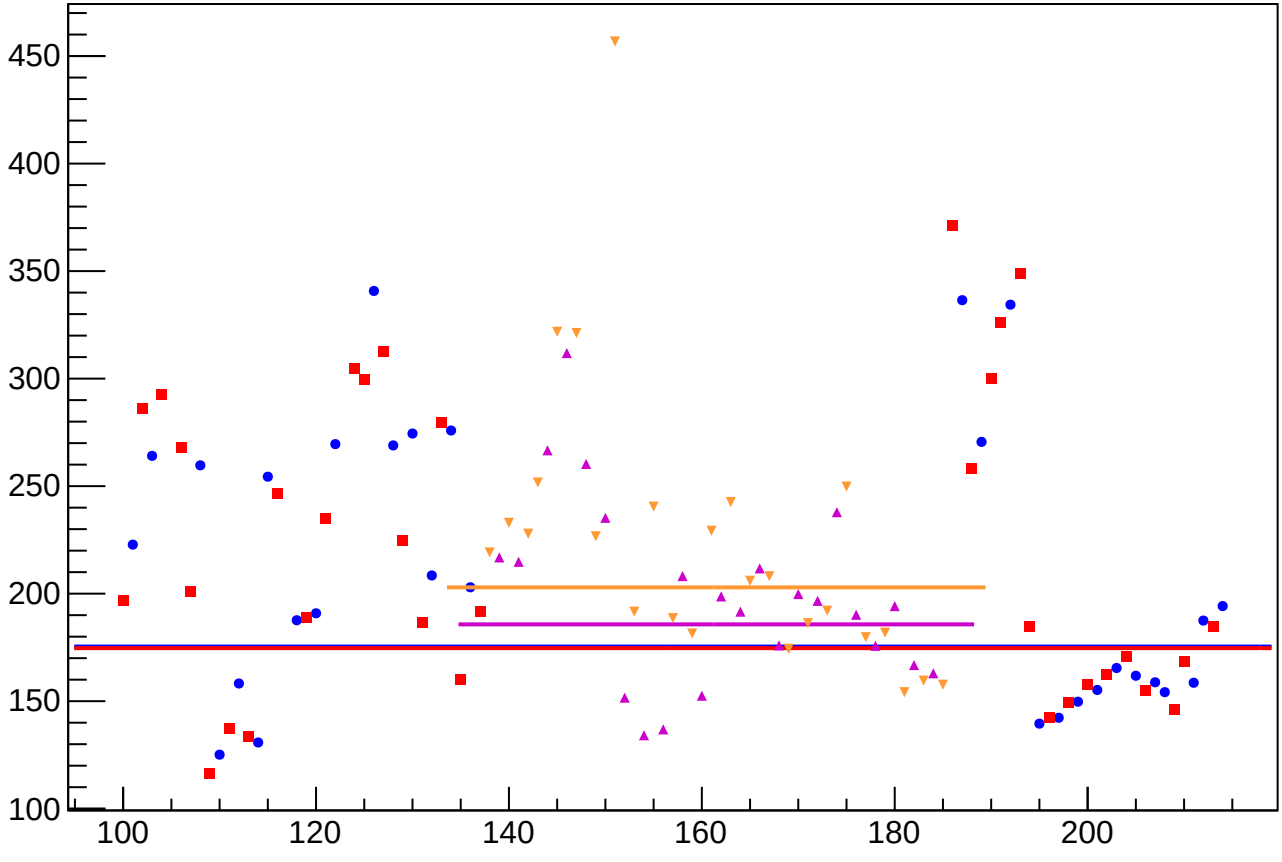
Right: -212.204+/-29.967 χ^2/NDF: 62.0/63

In: -49.956+/-30.988 χ^2/NDF:70.2/52

Out: -56.917+/-31.607 χ^2/NDF:72.4/58

All: -53.368+/-22.128 χ^2/NDF: 142.6/111

asym_bcm_dg_us_rms vs Slug, Sign Corrected



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

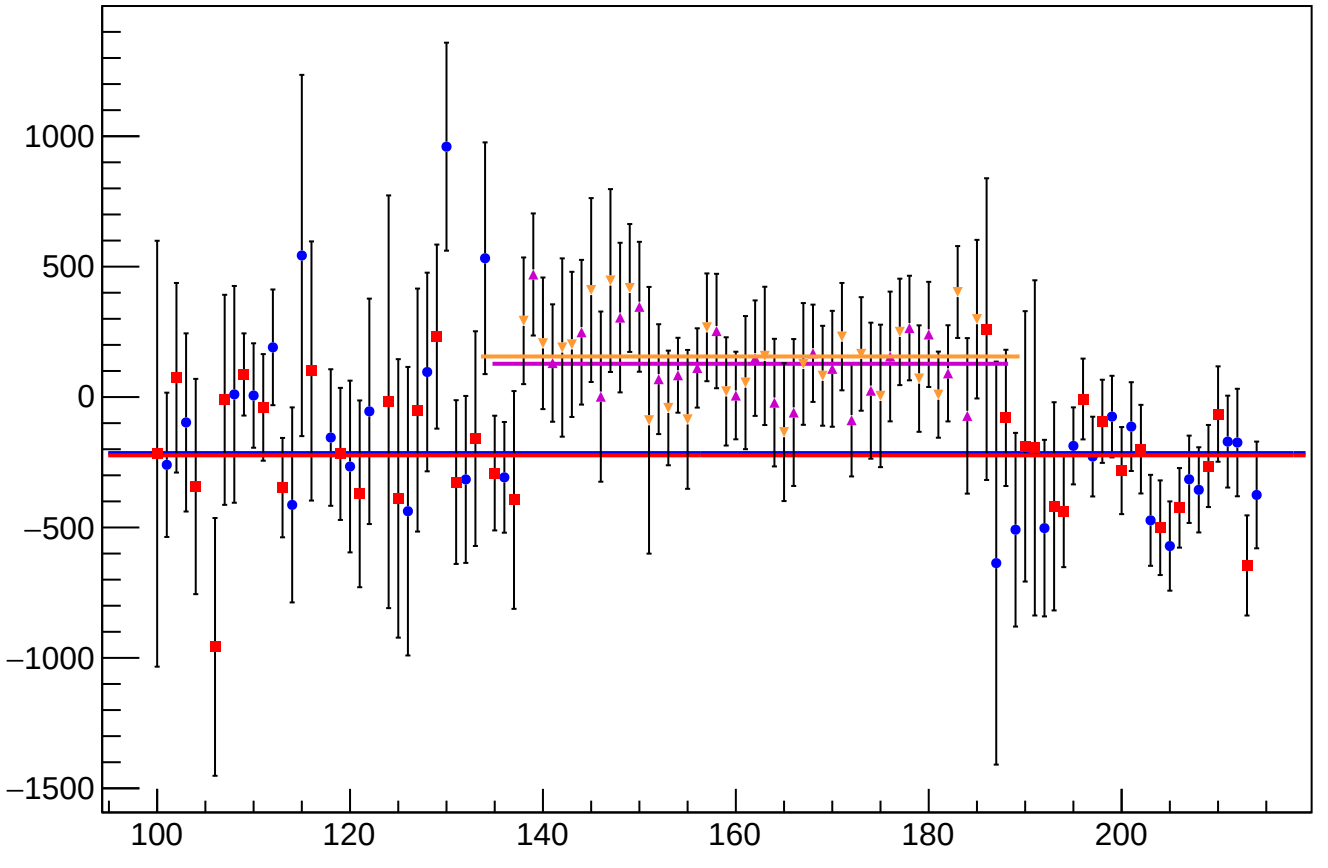
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 175.020+/-0.021 χ^2/NDF: 4954441.8/63

In: 180.244+/-0.022 χ^2/NDF:3734854.6/52

Out: 187.062+/-0.022 χ^2/NDF:4858037.1/58

All: 183.585+/-0.016 χ^2/NDF: 8640348.4/111



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

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

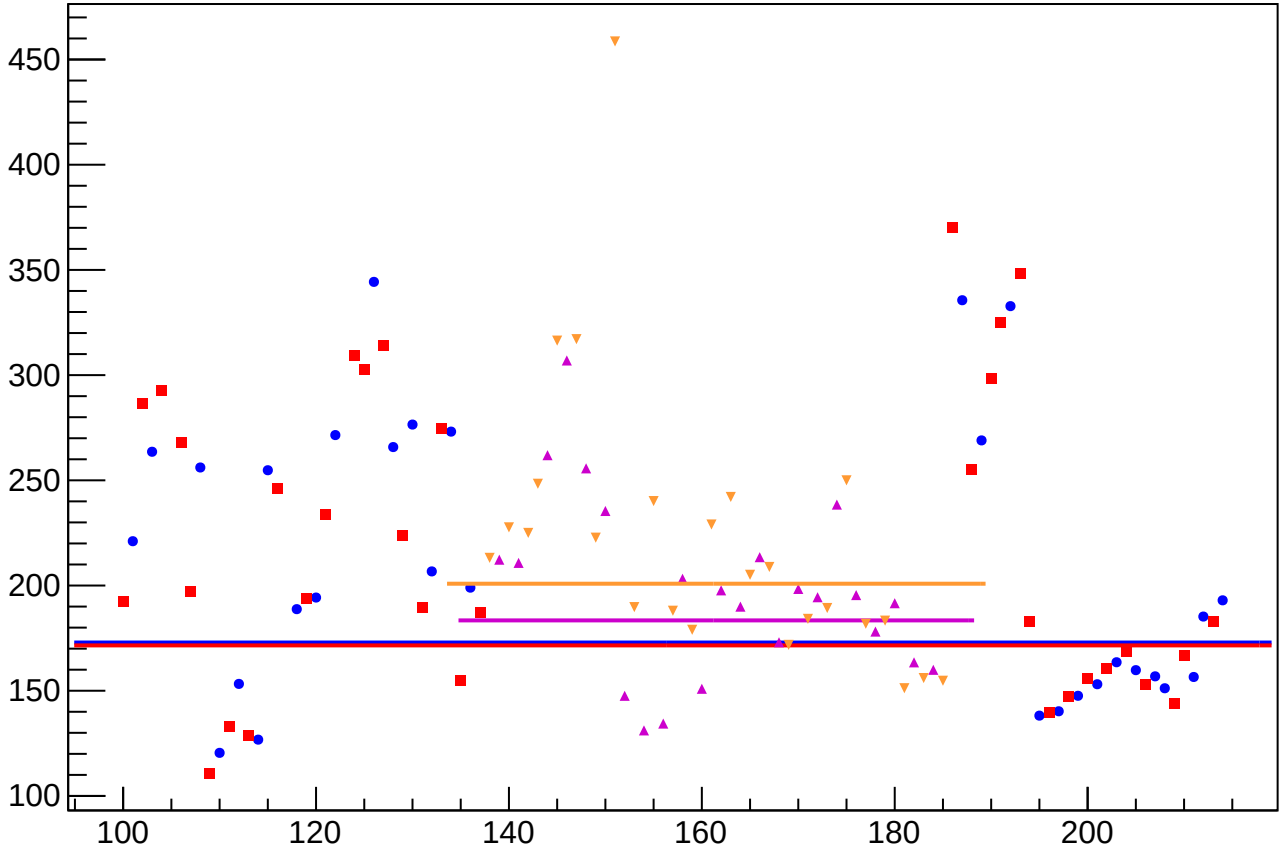
Right: -219.172+/-29.551 χ^2/NDF: 56.6/63

In: -54.096+/-30.618 χ^2/NDF:69.6/52

Out: -58.160+/-31.210 χ^2/NDF:73.0/58

All: -56.089+/-21.856 χ^2/NDF: 142.6/111

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



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

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

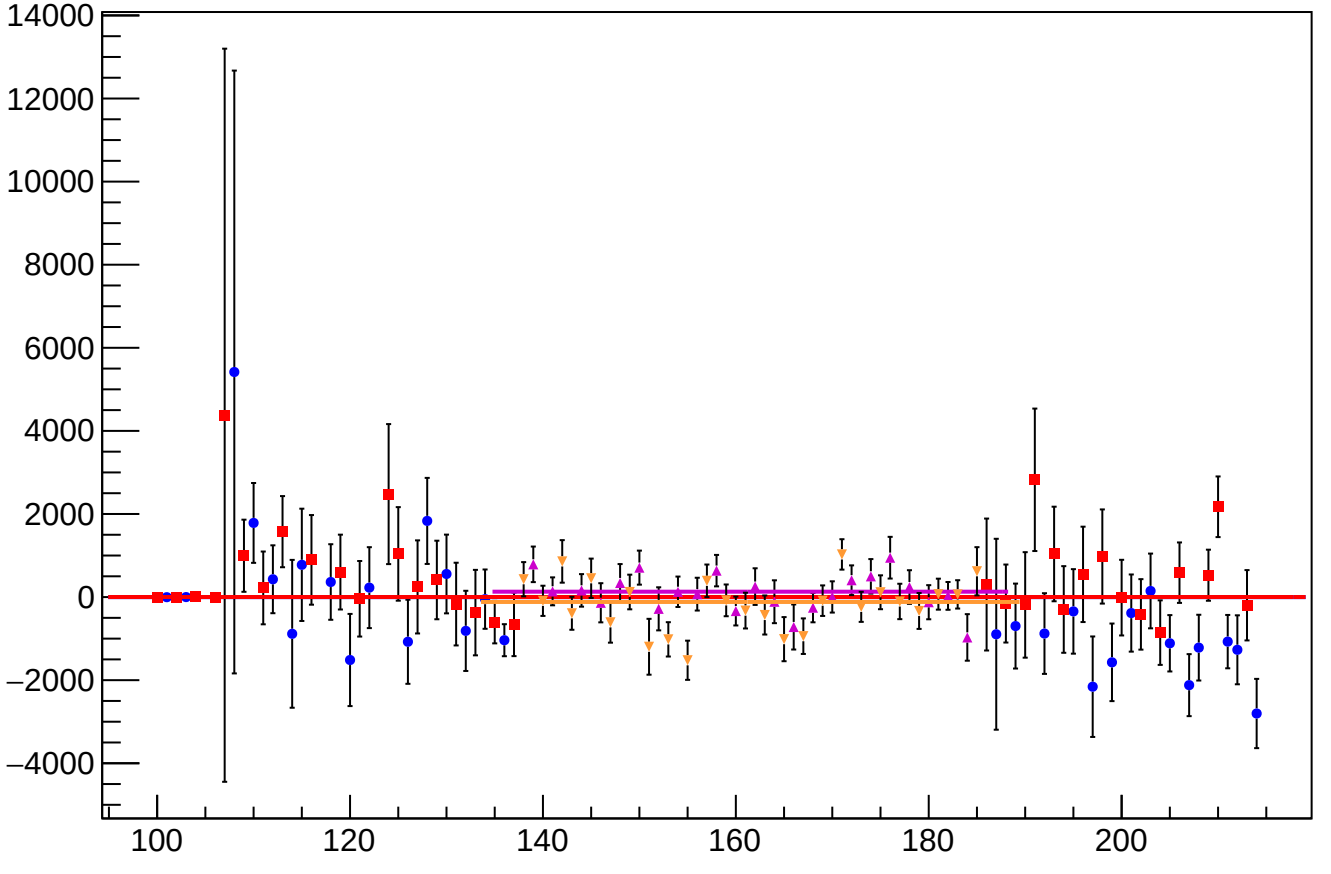
Right: 172.224+/-0.021 χ^2/NDF: 5213415.3/63

In: 177.849+/-0.022 χ^2/NDF:3868222.7/52

Out: 184.332+/-0.022 χ^2/NDF:5094933.6/58

All: 181.029+/-0.015 χ^2/NDF: 9007136.1/111

asym_cav4bQ_mean vs Slug, Sign Corrected



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

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

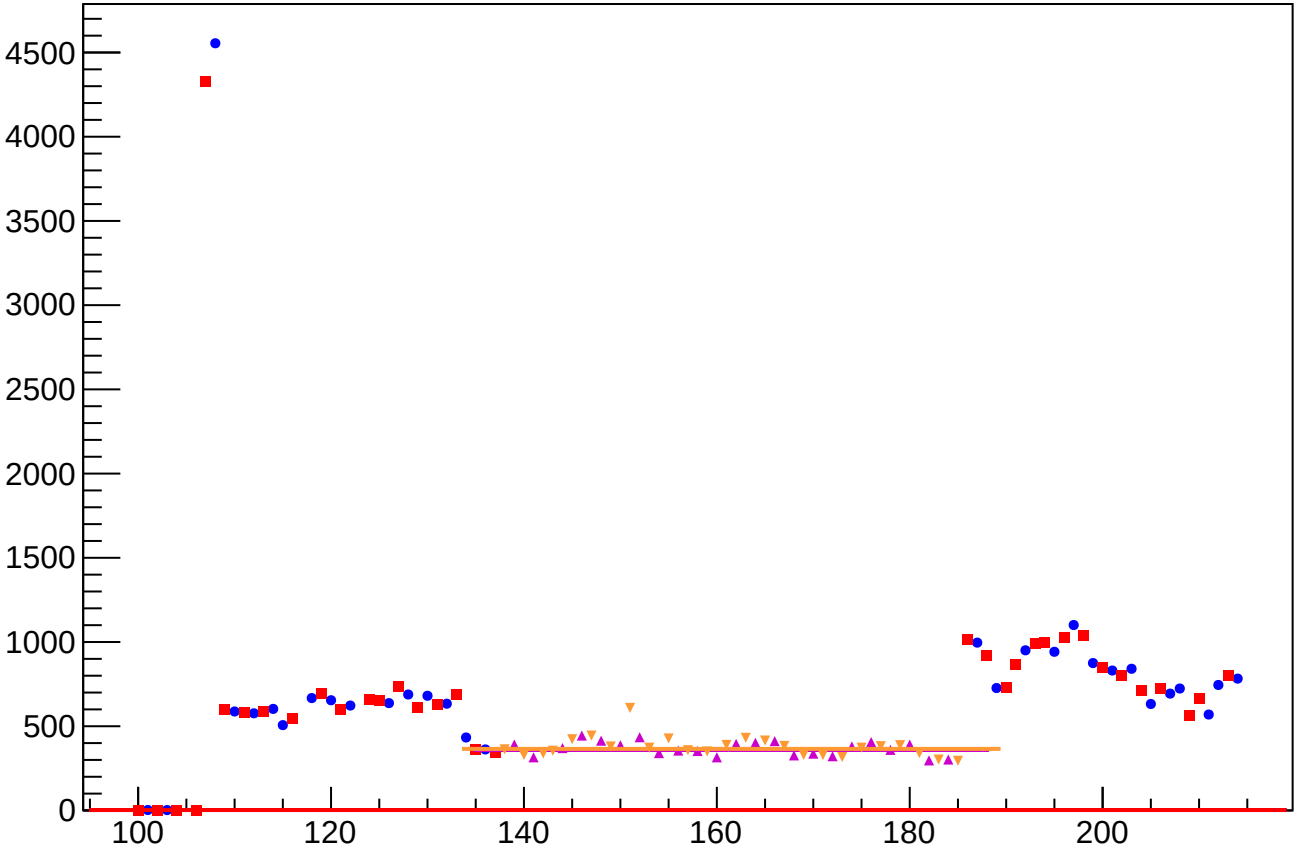
Right: 0.128+/-1.480 χ^2/NDF: 91.3/63

In: -1.258+/-2.170 χ^2/NDF:81.2/52

Out: 1.336+/-2.022 χ^2/NDF:81.6/58

All: 0.131+/-1.479 χ^2/NDF: 163.6/111

asym_cav4bQ_rms vs Slug, Sign Corrected



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

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

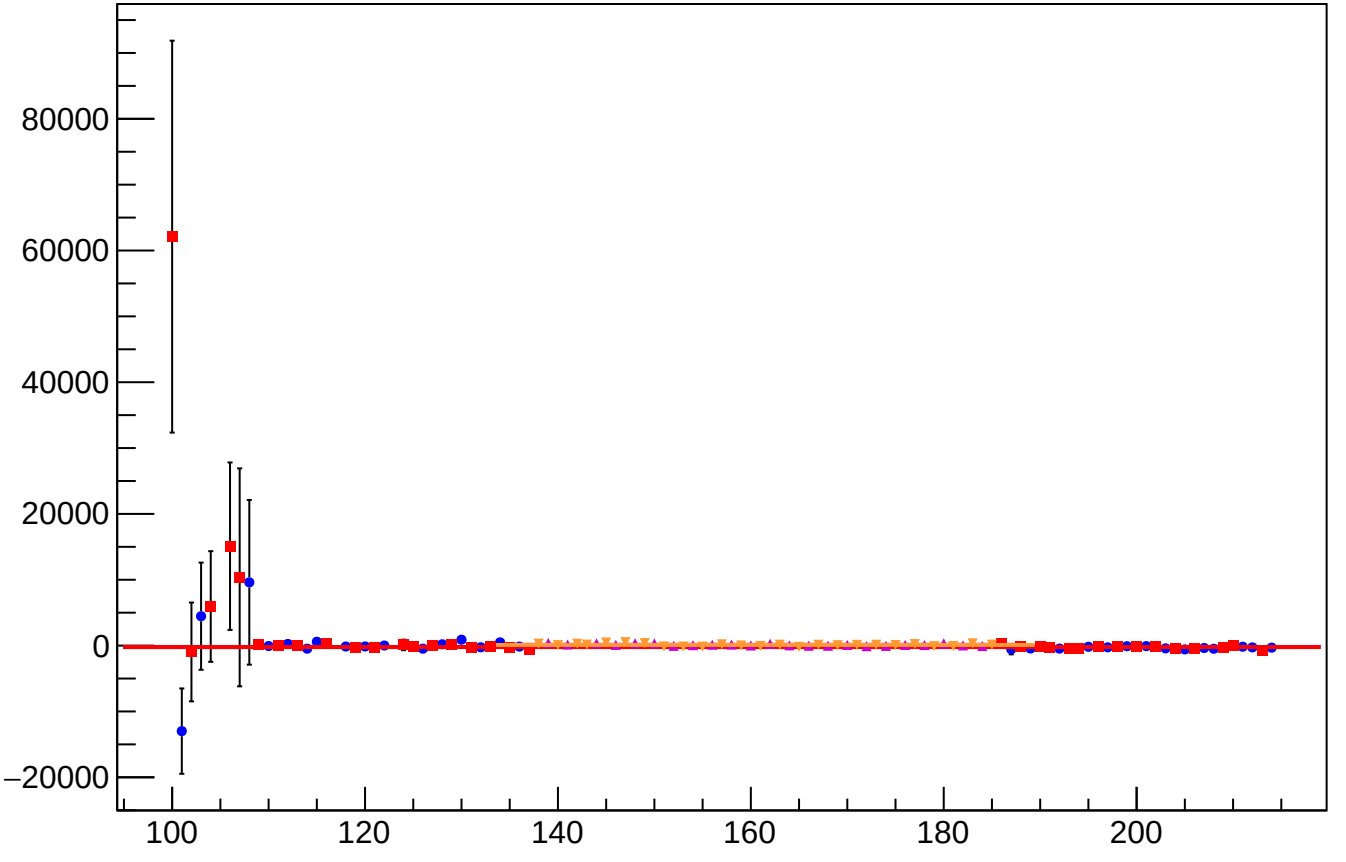
Right: 2.530+/-0.001 χ^2/NDF: 67592570.2/63

In: 2.774+/-0.002 χ^2/NDF:68897507.5/52

Out: 2.729+/-0.001 χ^2/NDF:72063782.7/58

All: 2.750+/-0.001 χ^2/NDF: 140961761.2/111

asym_cav4cQ_mean vs Slug, Sign Corrected



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

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

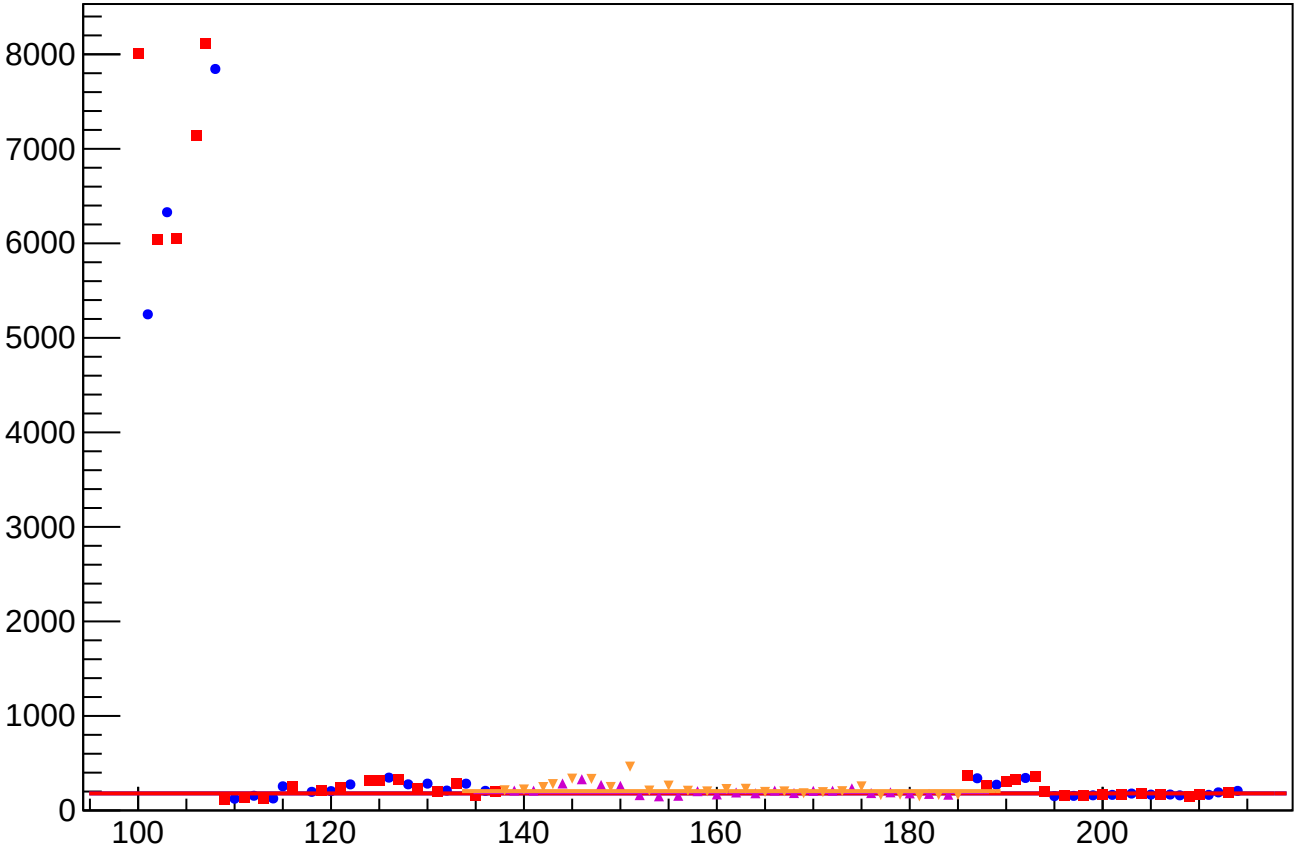
Right: -217.463+/-32.307 χ^2/NDF: 66.8/63

In: -52.374+/-32.740 χ^2/NDF:68.8/52

Out: -68.906+/-33.182 χ^2/NDF:69.2/58

All: -60.530+/-23.305 χ^2/NDF: 138.1/111

asym_cav4cQ_rms vs Slug, Sign Corrected



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

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

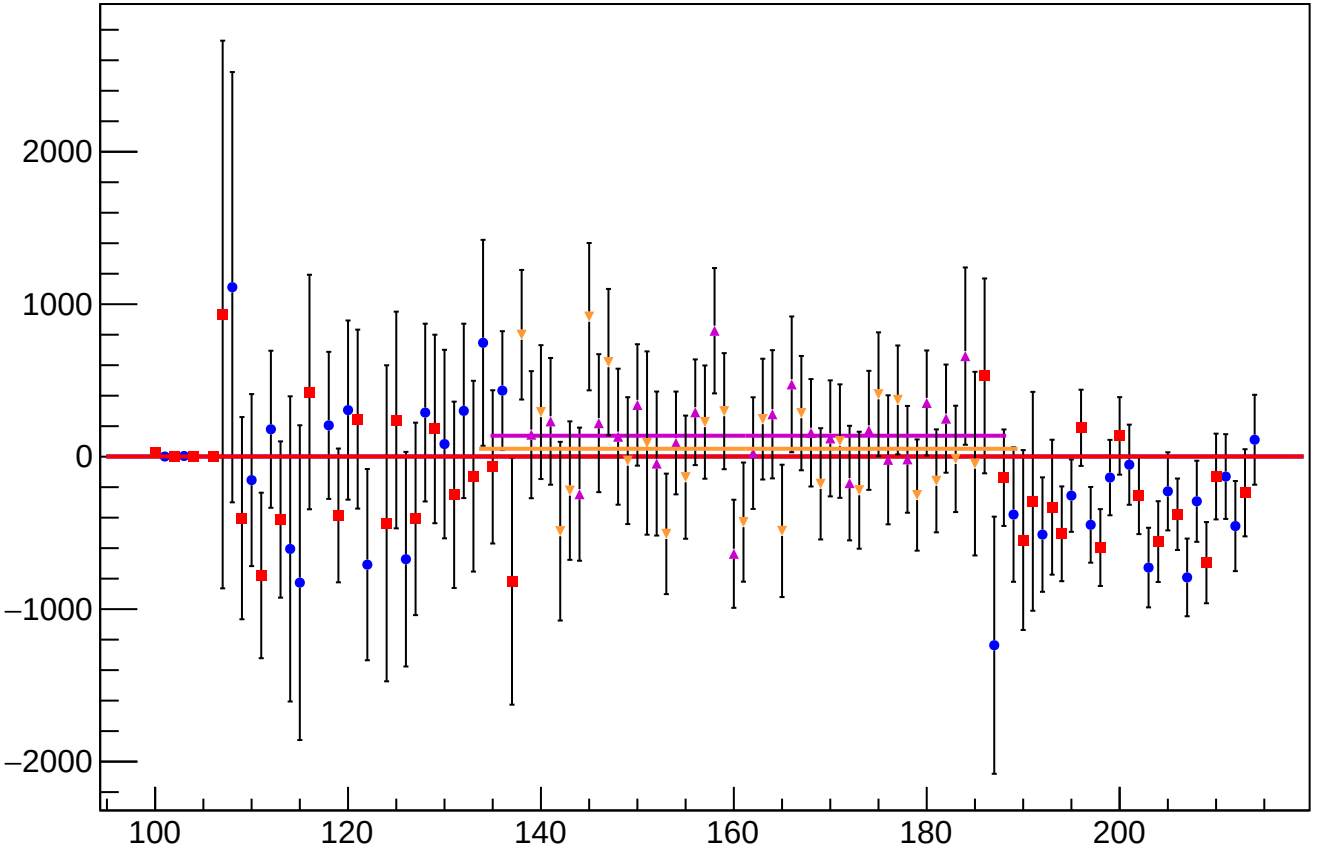
Right: 180.521+/-0.023 χ^2/NDF: 10531406.4/63

In: 187.103+/-0.023 χ^2/NDF:6197700.5/52

Out: 191.818+/-0.023 χ^2/NDF:7847316.0/58

All: 189.429+/-0.016 χ^2/NDF: 14065481.5/1

asym_cav4dQ_mean vs Slug, Sign Corrected



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

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

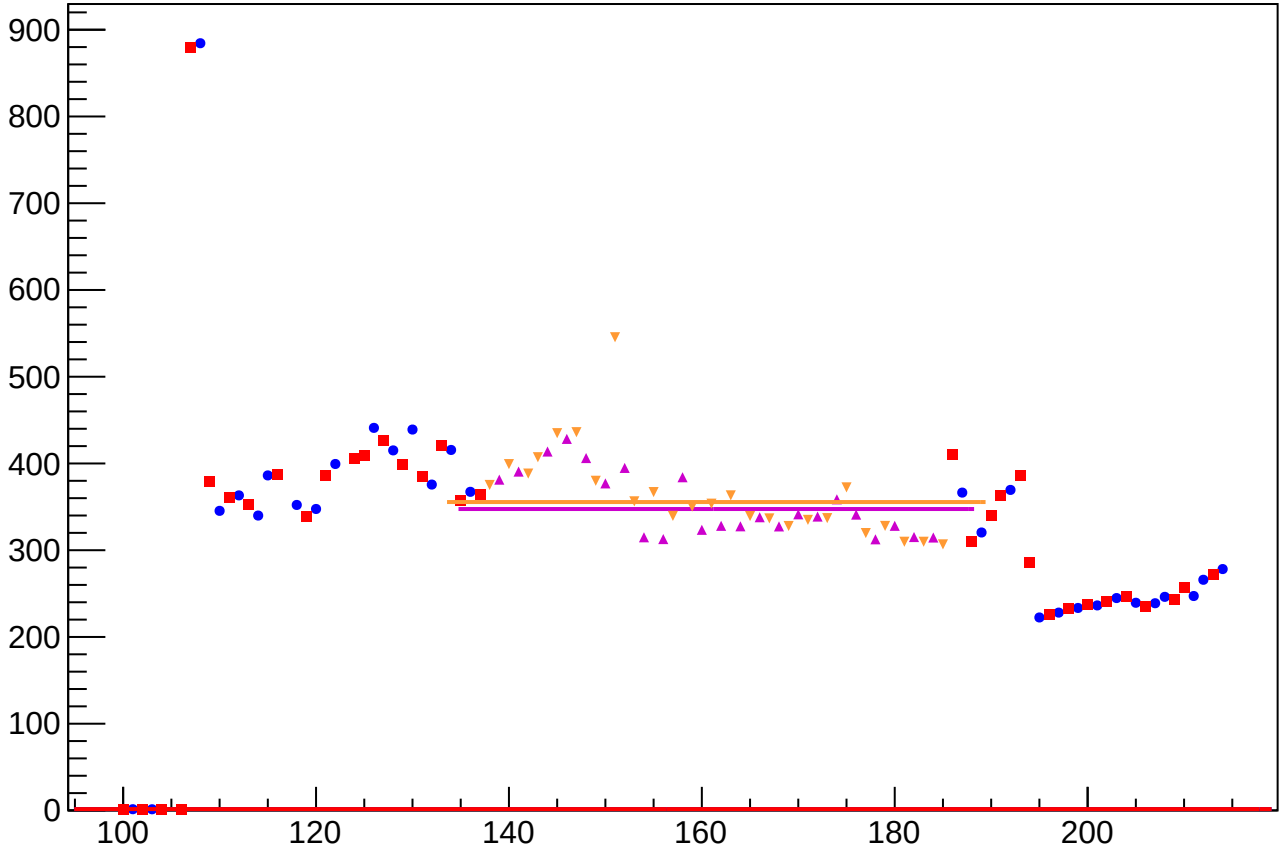
Right: 1.127+/-1.124 χ^2/NDF: 76.2/63

In: 1.350+/-1.660 χ^2/NDF:54.6/52

Out: 1.003+/-1.527 χ^2/NDF:56.4/58

All: 1.162+/-1.124 χ^2/NDF: 111.0/111

asym_cav4dQ_rms vs Slug, Sign Corrected



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

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

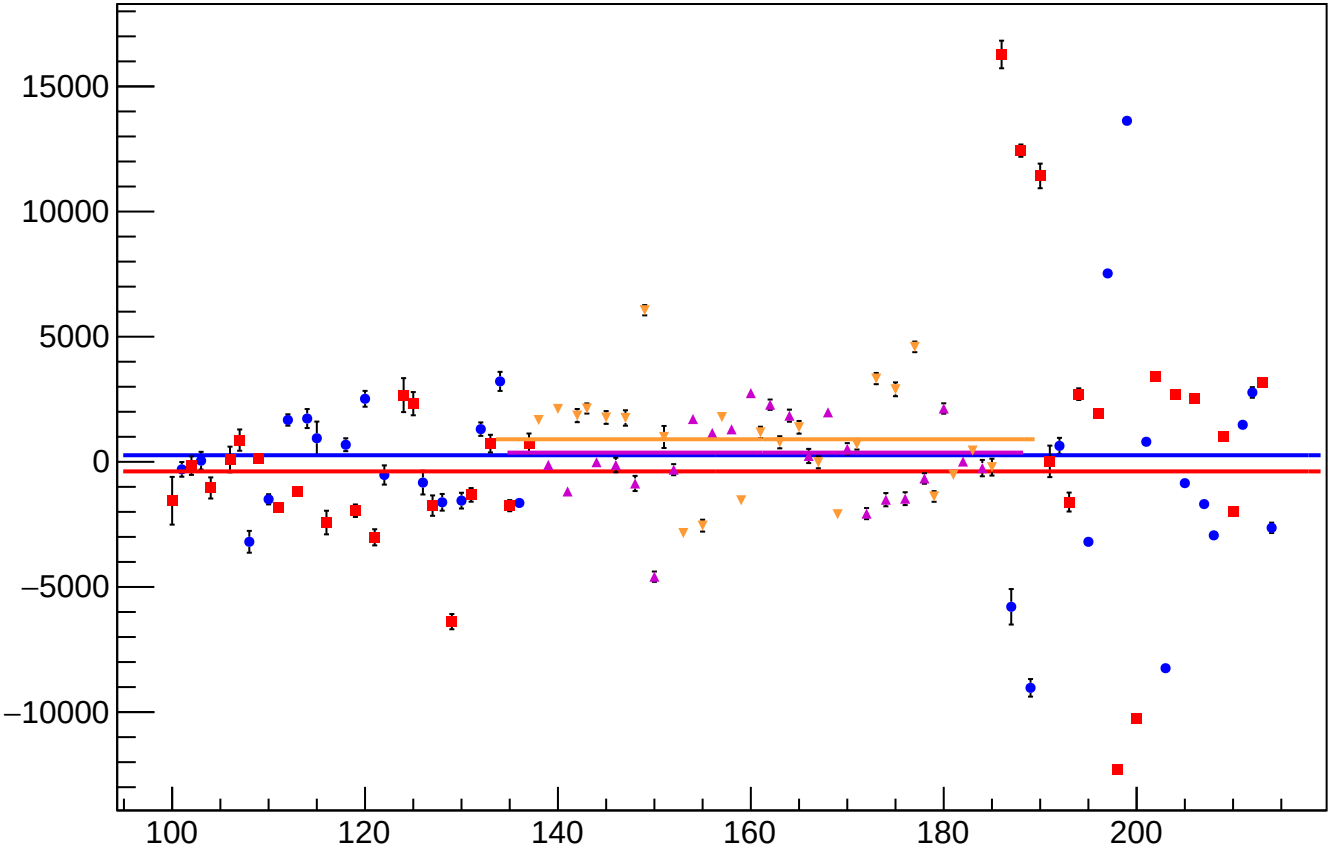
Right: 1.577+/-0.001 χ^2/NDF: 67572934.0/63

In: 1.731+/-0.001 χ^2/NDF:69462978.5/52

Out: 1.691+/-0.001 χ^2/NDF:72121568.6/58

All: 1.709+/-0.001 χ^2/NDF: 141585149.4/111

asym_bcm0l02_mean vs Slug, Sign Corrected



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

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

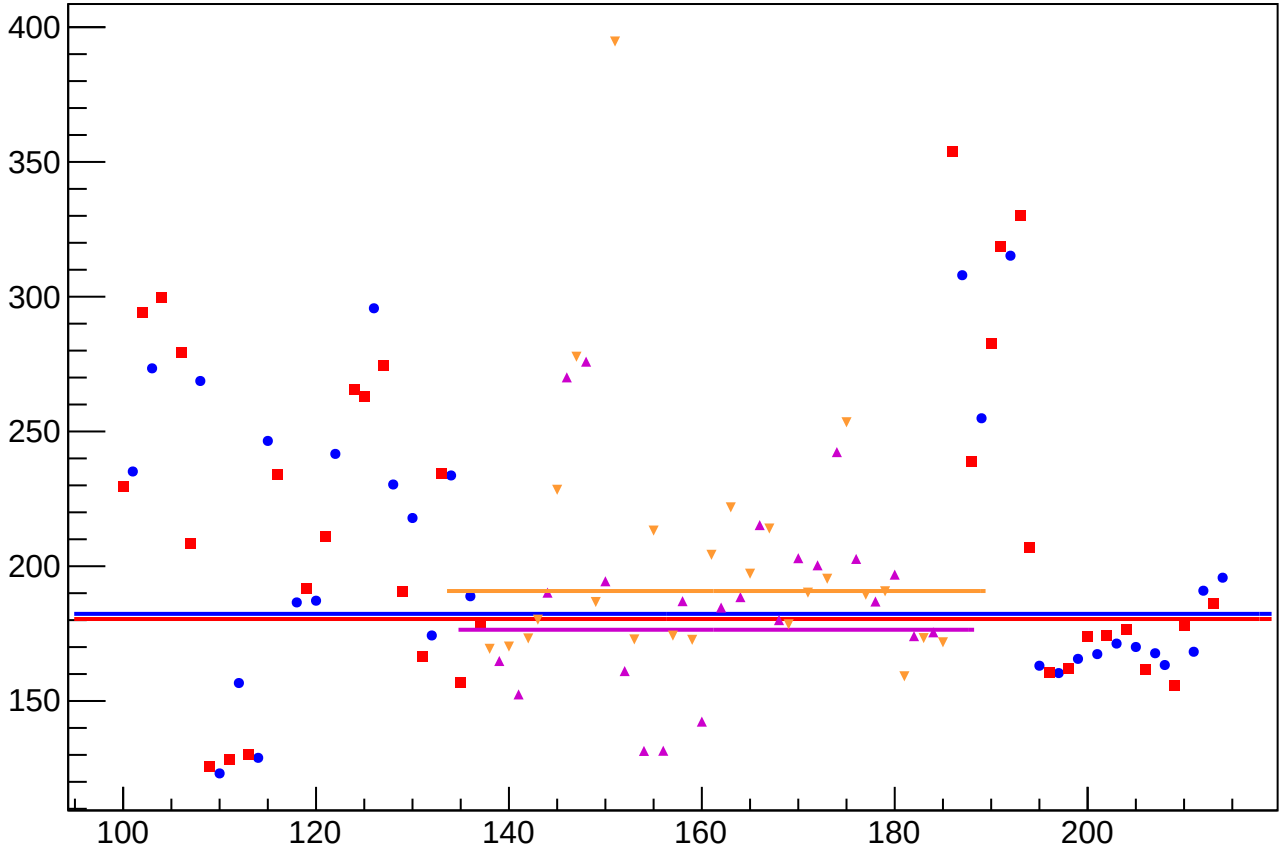
Right: -64.242+/-30.725 χ^2/NDF: 26533.9/63

In: 317.113+/-30.566 χ^2/NDF:13807.6/52

Out: 239.851+/-30.966 χ^2/NDF:17052.1/58

All: 278.984+/-21.754 χ^2/NDF: 30862.9/111

asym_bcm0l02_rms vs Slug, Sign Corrected



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

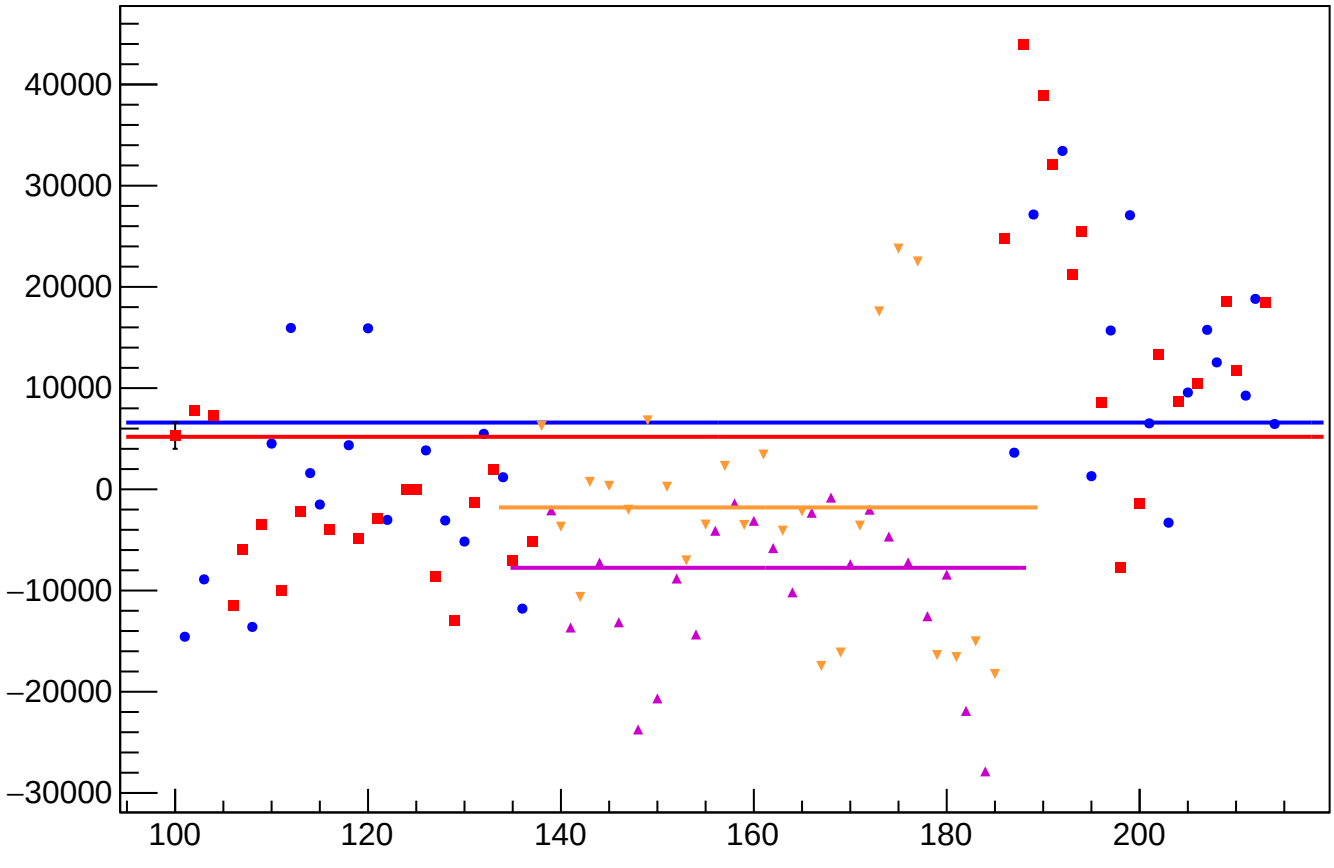
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 181.358+/-0.022 χ^2/NDF: 3641277.3/63

In: 179.306+/-0.022 χ^2/NDF:2728048.4/52

Out: 185.449+/-0.022 χ^2/NDF:3263330.2/58

All: 182.338+/-0.015 χ^2/NDF: 6031240.0/11



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

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

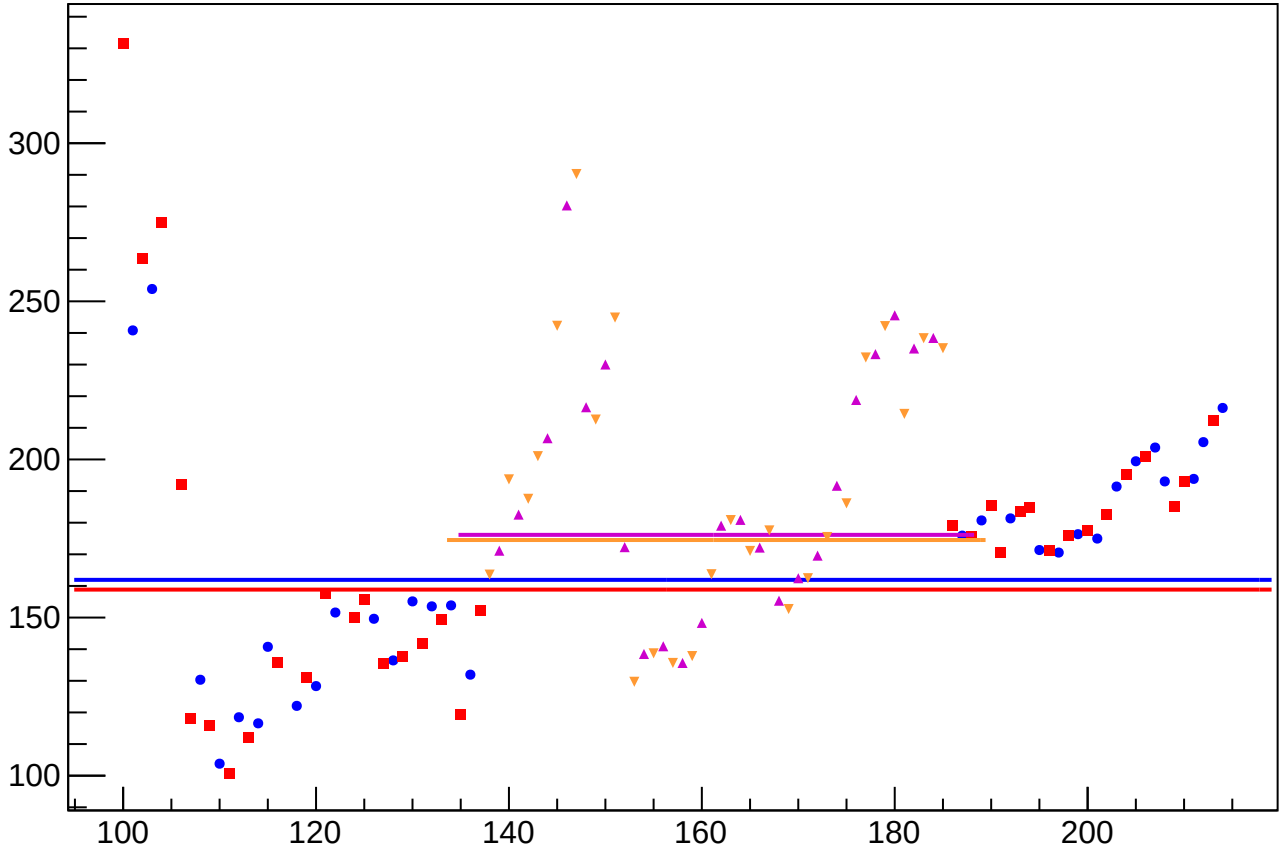
Right: 5866.982+/-27.132 χ^2/NDF: 244376.1/63

In: 32.143+/-28.792 χ^2/NDF:181631.8/52

Out: 1984.382+/-27.720 χ^2/NDF:228495.5/58

All: 1045.276+/-19.969 χ^2/NDF: 412513.3/11

asym_bpm0i02WS_rms vs Slug, Sign Corrected



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

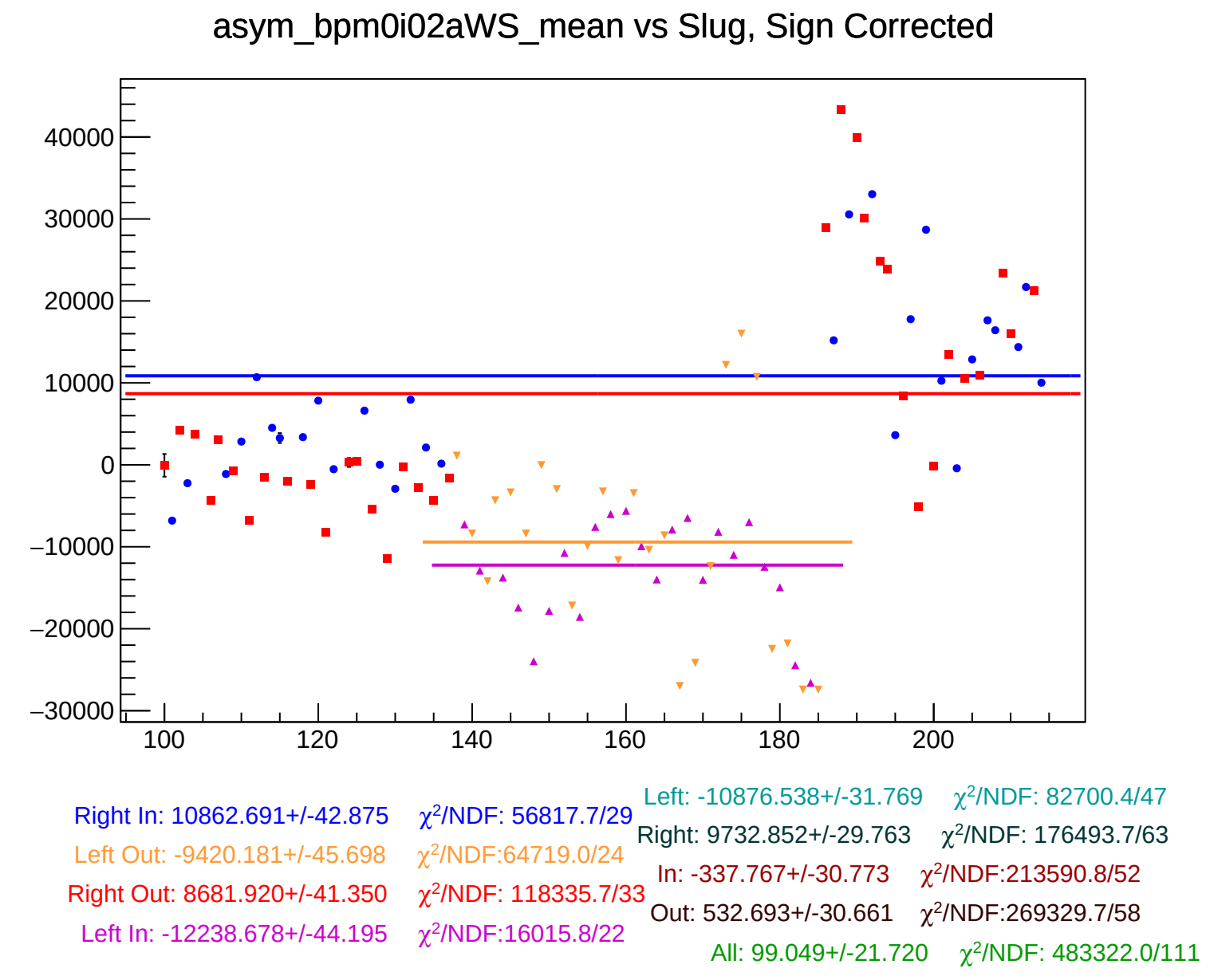
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 160.328+/-0.019 χ^2/NDF: 3376463.9/63

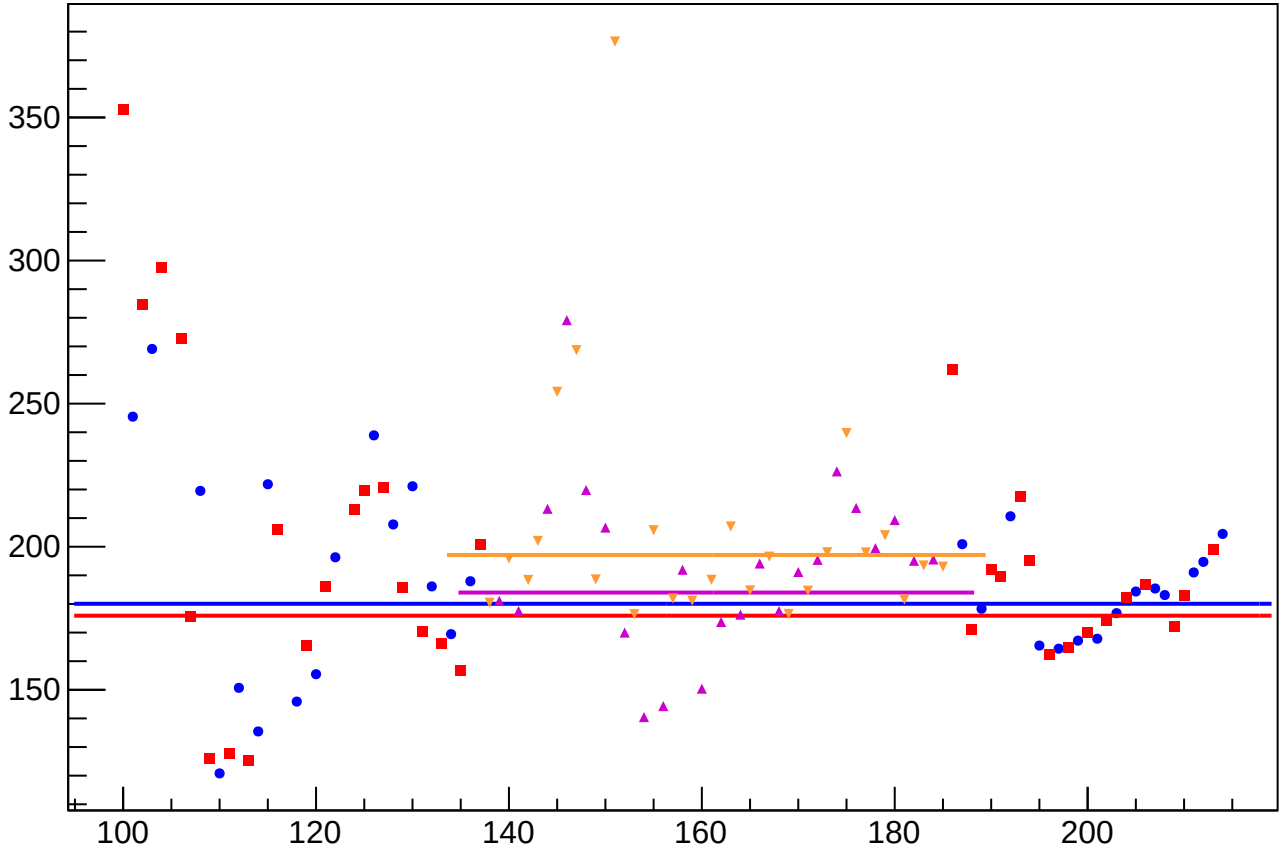
In: 168.434+/-0.020 χ^2/NDF:3028410.7/52

Out: 166.041+/-0.020 χ^2/NDF:3648221.6/58

All: 167.192+/-0.014 χ^2/NDF: 6683804.2/111


asym_bpm0i02aWS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 10862.691+/-42.875 χ²/NDF: 56817.7/29
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: 8681.920+/-41.350 χ²/NDF: 118335.7/33
Left In: -12238.678+/-44.195 χ²/NDF:16015.8/22
Left: -10876.538+/-31.769 χ²/NDF: 82700.4/47
Right: 9732.852+/-29.763 χ²/NDF: 176493.7/63
In: -337.767+/-30.773 χ²/NDF:213590.8/52
Out: 532.693+/-30.661 χ²/NDF:269329.7/58
All: 99.049+/-21.720 χ²/NDF: 483322.0/111

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



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

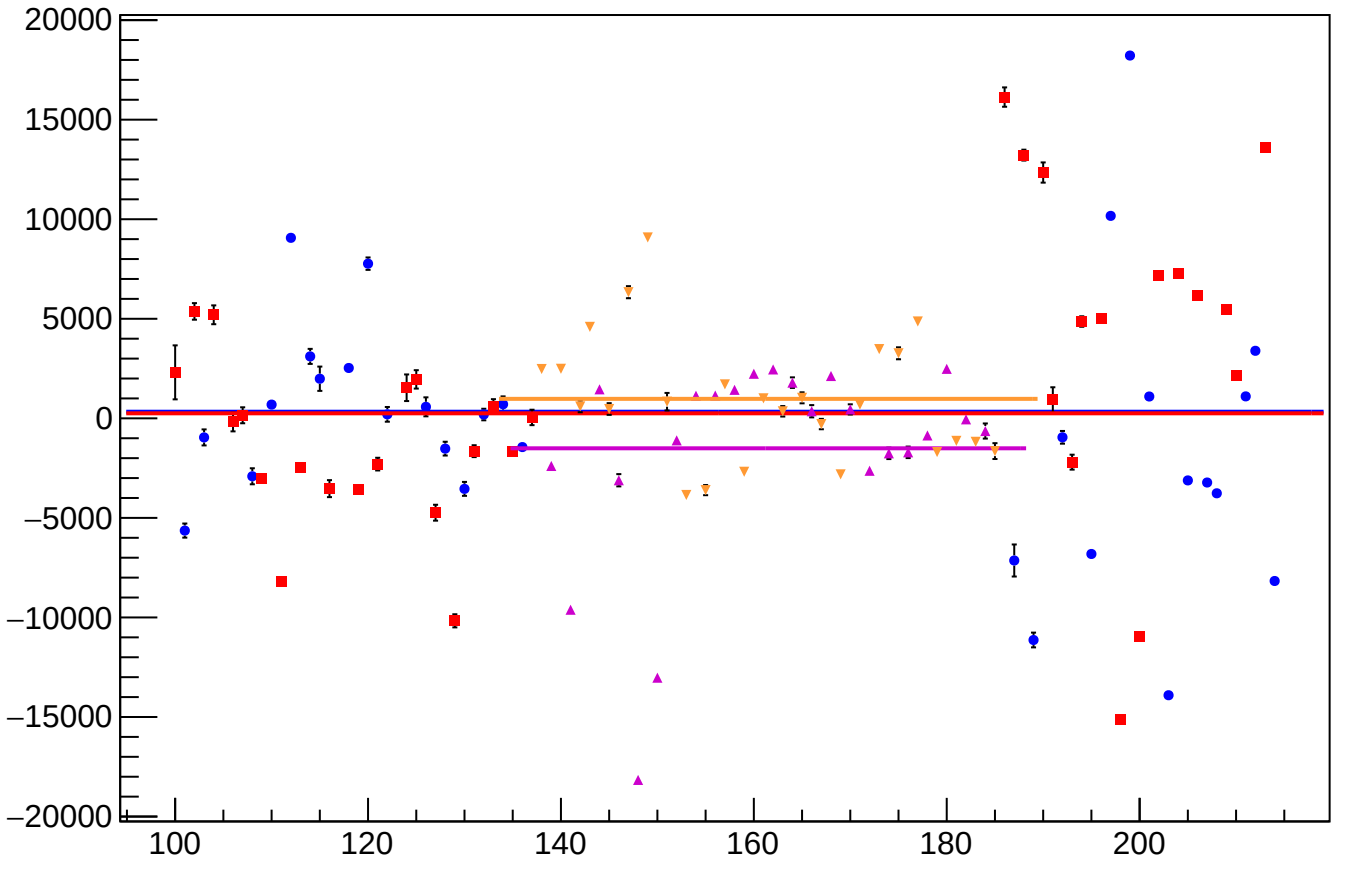
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 177.905+/-0.021 χ^2/NDF: 2056799.2/63

In: 181.965+/-0.022 χ^2/NDF:1649539.7/52

Out: 185.453+/-0.022 χ^2/NDF:2205107.9/58

All: 183.715+/-0.015 χ^2/NDF: 3867536.3/11



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

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

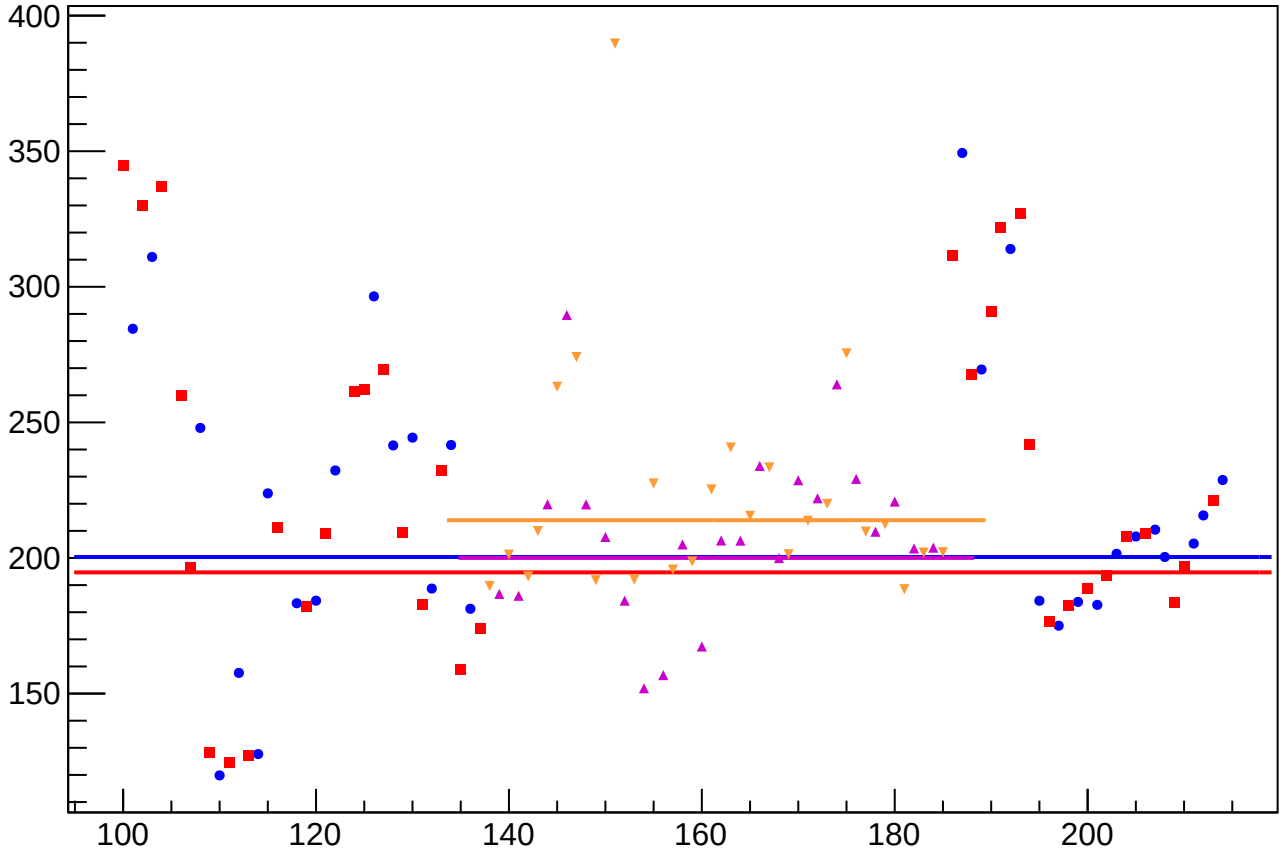
Right: 290.676+/-33.450 χ^2/NDF: 48223.0/63

In: -588.104+/-34.008 χ^2/NDF:35081.9/52

Out: 591.804+/-33.932 χ^2/NDF:29787.1/58

All: 3.177+/-24.020 χ^2/NDF: 65472.2/111

asym_bpm0i05WS_rms vs Slug, Sign Corrected



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

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

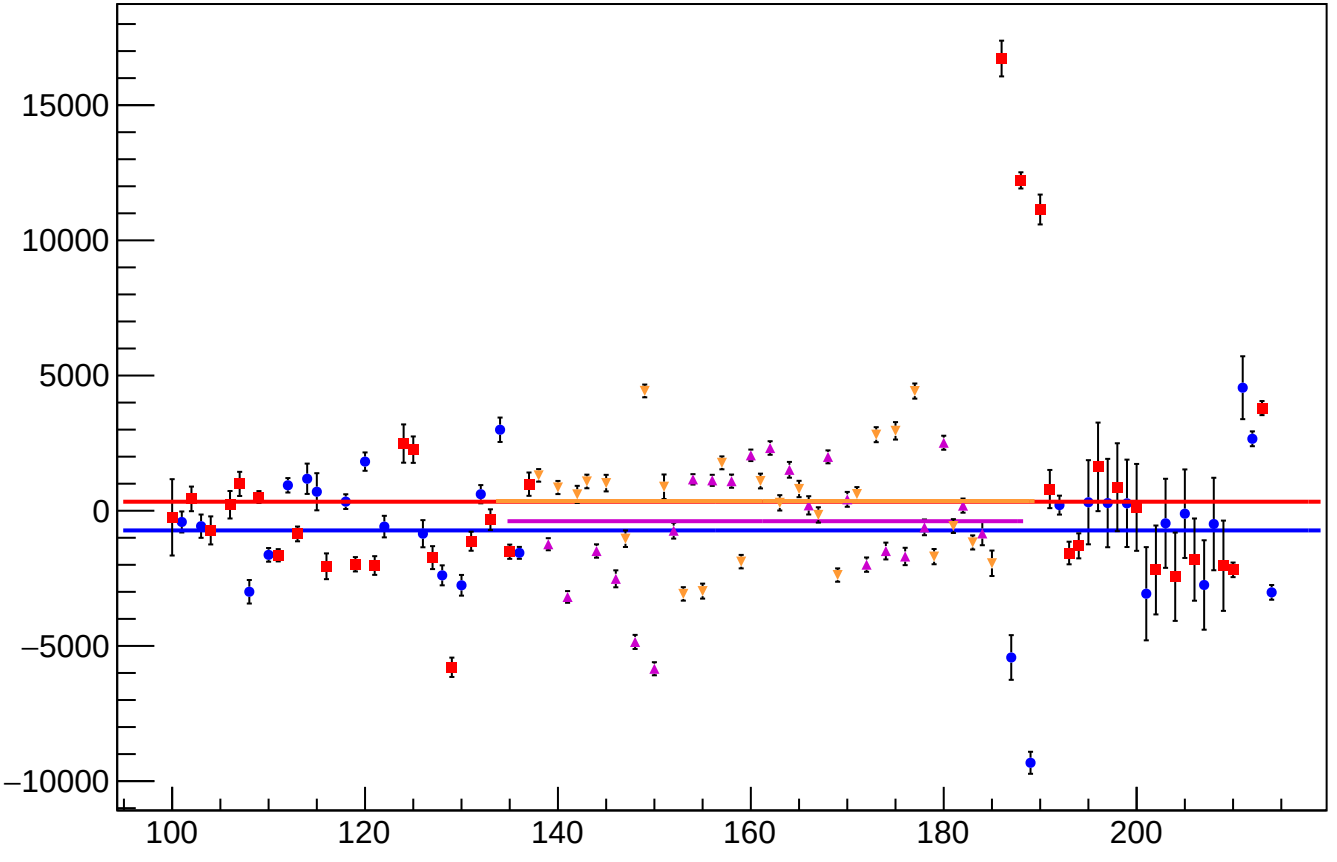
Right: 197.424+/-0.024 χ^2/NDF: 3793189.6/63

In: 200.192+/-0.024 χ^2/NDF:2277493.1/52

Out: 203.692+/-0.024 χ^2/NDF:3180721.9/58

All: 201.946+/-0.017 χ^2/NDF: 5468829.9/111

asym_bpm0i07WS_mean vs Slug, Sign Corrected



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

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

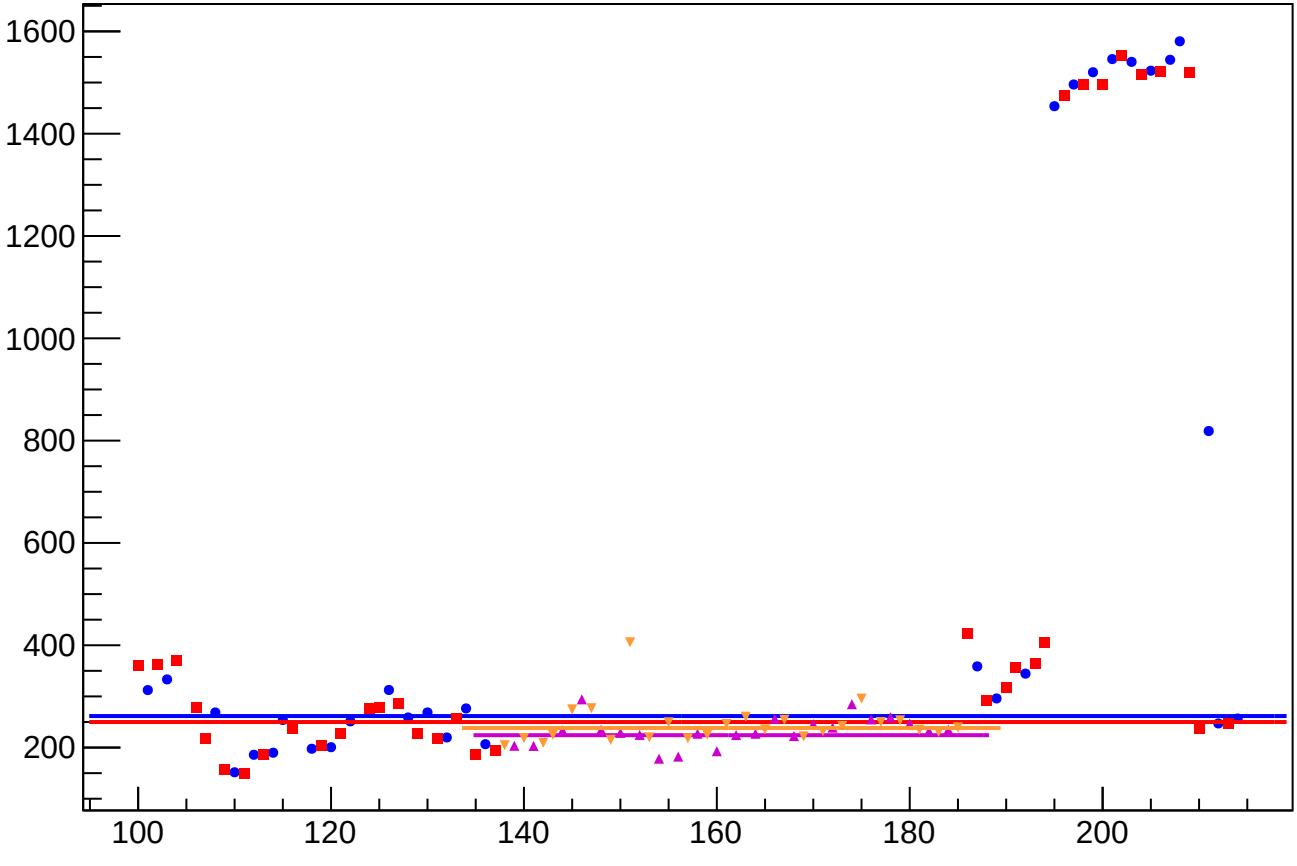
Right: -151.662+/-50.506 χ^2/NDF: 4699.1/63

In: -502.652+/-43.513 χ^2/NDF:2864.6/52

Out: 348.797+/-42.892 χ^2/NDF:4961.7/58

All: -70.814+/-30.547 χ^2/NDF: 8020.5/111

asym_bpm0i07WS_rms vs Slug, Sign Corrected



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

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

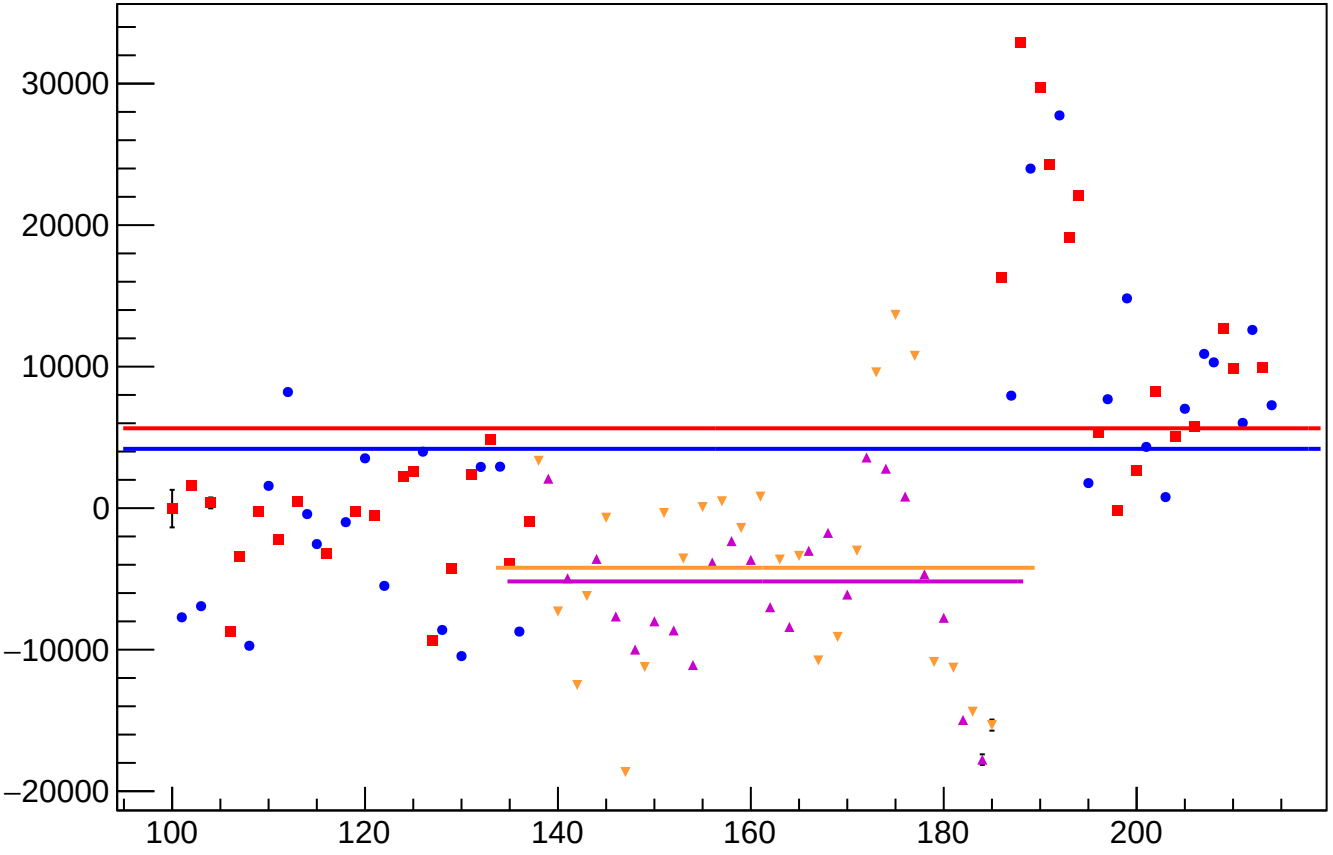
Right: 255.255+/-0.036 χ^2/NDF: 21616159.4/63

In: 236.893+/-0.031 χ^2/NDF:11953821.0/52

Out: 242.788+/-0.030 χ^2/NDF:11133445.3/58

All: 239.883+/-0.022 χ^2/NDF: 23105879.6/11

asym_bpm1i02WS_mean vs Slug, Sign Corrected



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

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

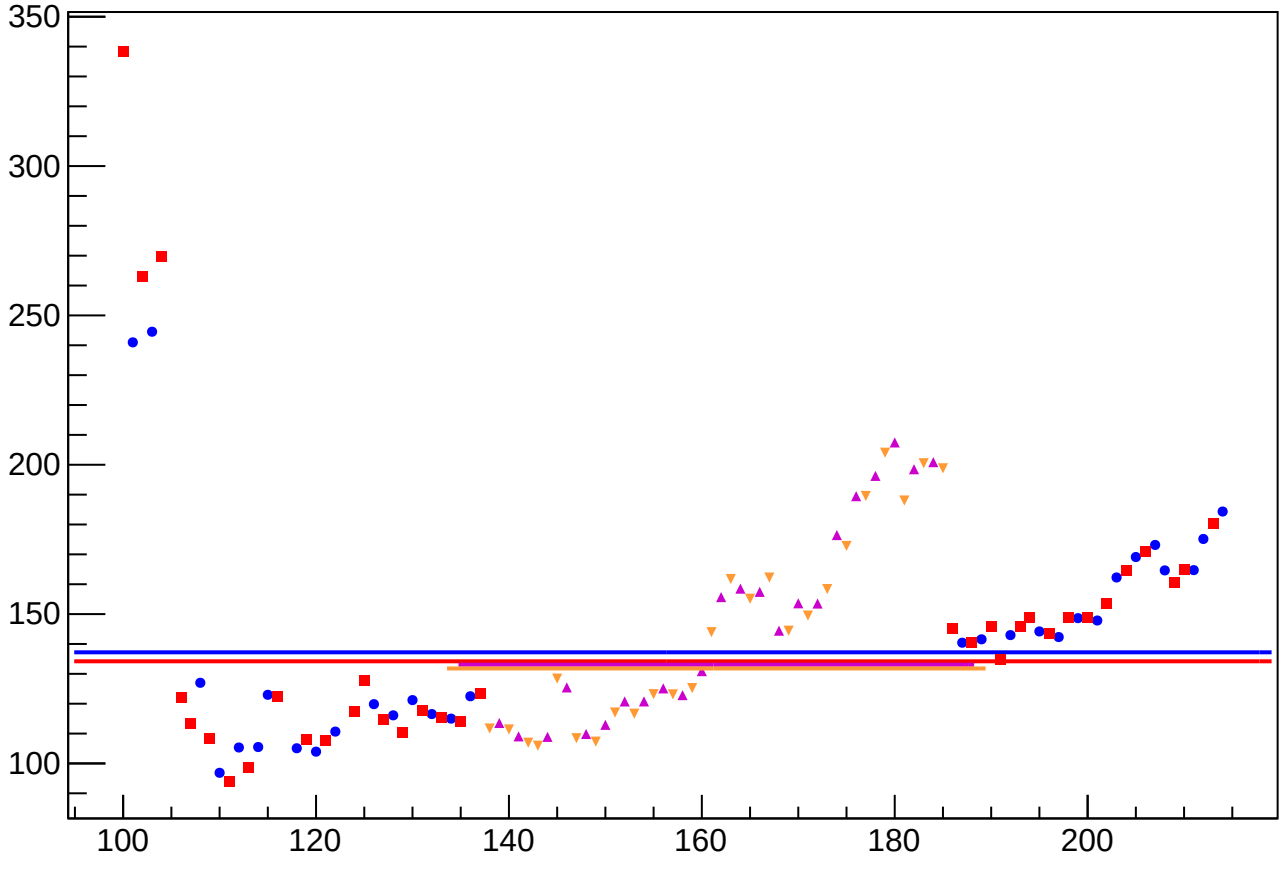
Right: 4947.819+/-22.973 χ^2/NDF: 188554.6/63

In: -668.783+/-23.025 χ^2/NDF:141612.0/52

Out: 558.754+/-22.145 χ^2/NDF:212082.0/58

All: -31.104+/-15.961 χ^2/NDF: 355170.5/111

asym_bpm1i02WS_rms vs Slug, Sign Corrected



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

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

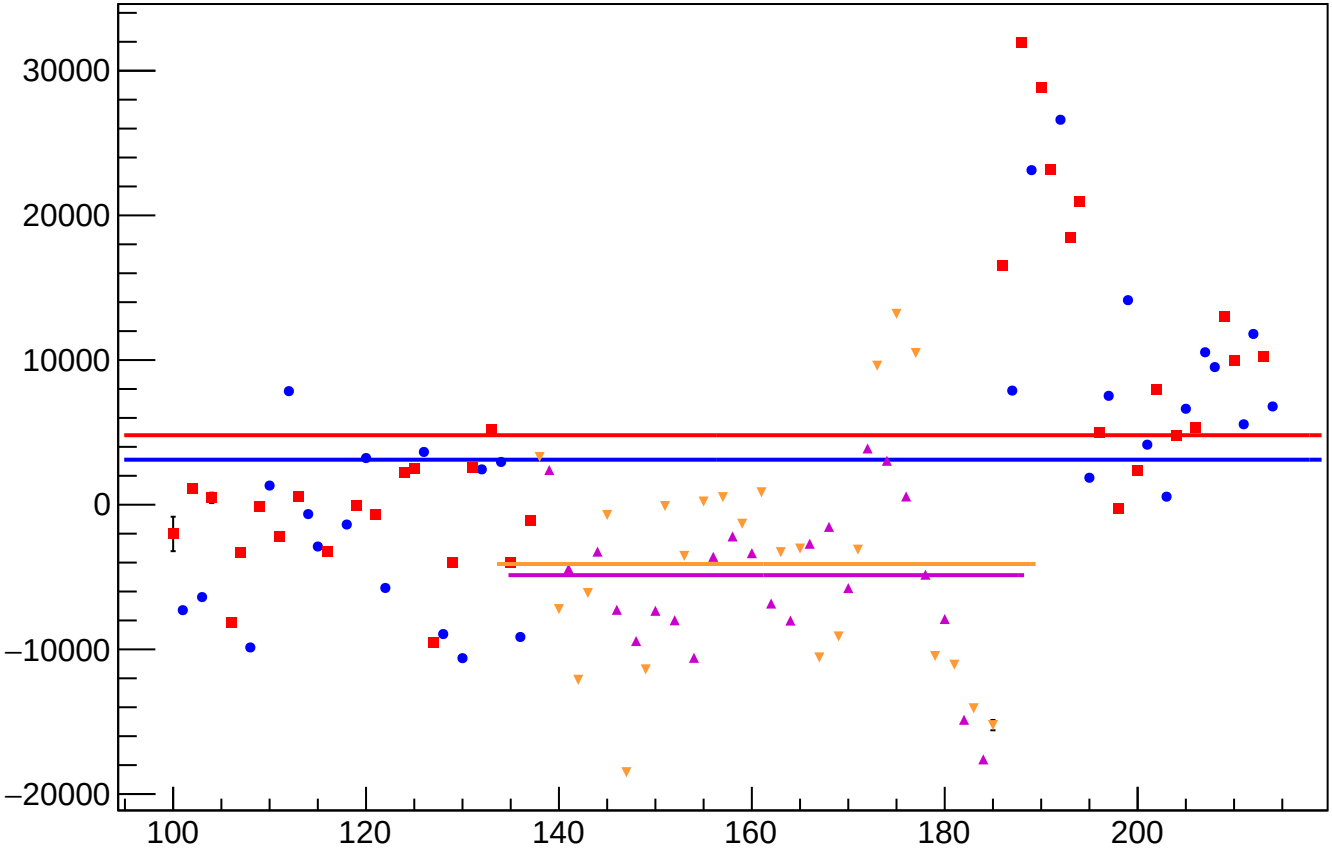
Right: 135.638+/-0.016 χ^2/NDF: 3240123.5/63

In: 135.057+/-0.016 χ^2/NDF:2978019.9/52

Out: 132.957+/-0.016 χ^2/NDF:3238145.9/58

All: 133.966+/-0.011 χ^2/NDF: 6224806.0/111

asym_bpm2i01WS_mean vs Slug, Sign Corrected



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

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

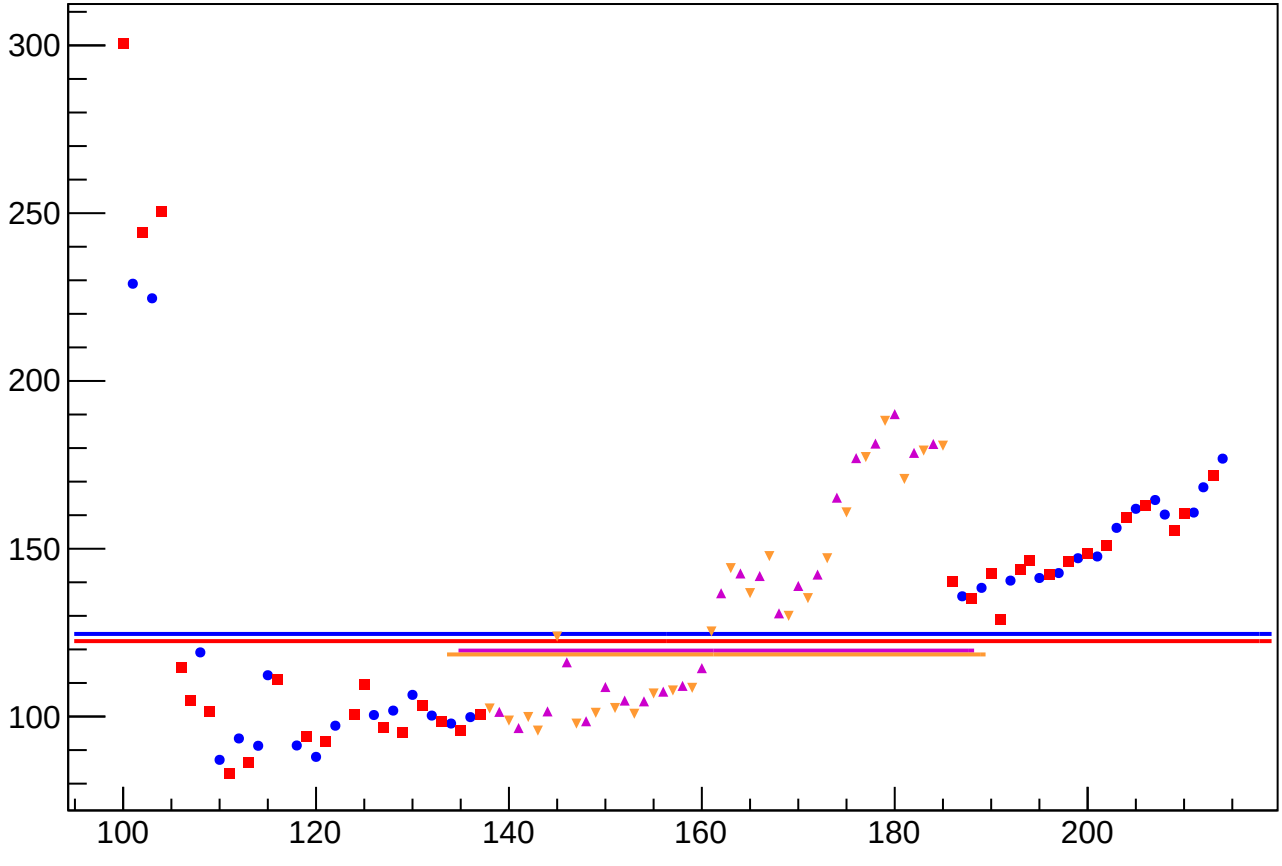
Right: 3989.782+/-21.162 χ^2/NDF: 204623.9/63

In: -1107.354+/-20.946 χ^2/NDF:148063.4/52

Out: 102.109+/-20.182 χ^2/NDF:227826.1/58

All: -480.185+/-14.533 χ^2/NDF: 377618.5/11

asym_bpm2i01WS_rms vs Slug, Sign Corrected



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

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

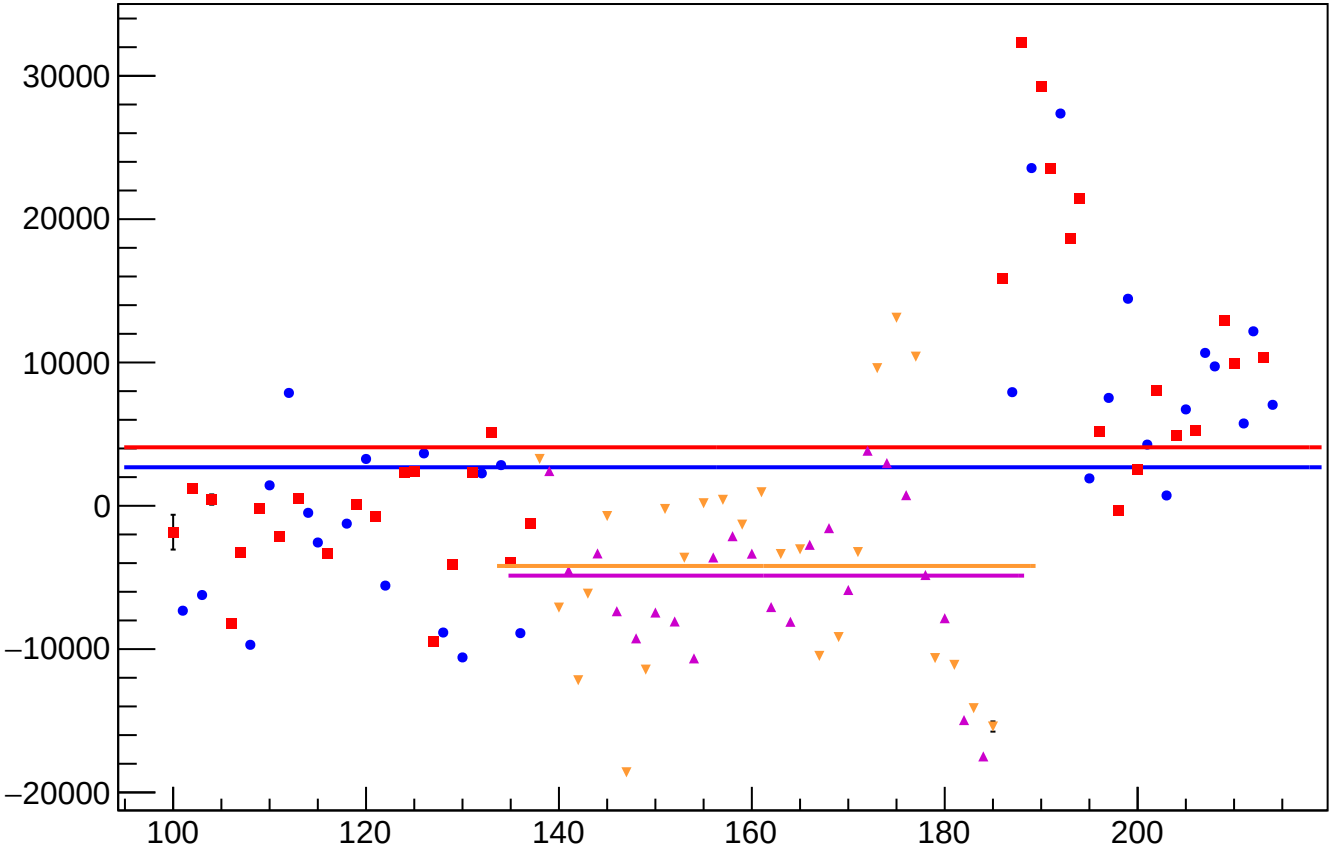
Right: 123.502+/-0.015 χ^2/NDF: 4653400.7/63

In: 121.987+/-0.015 χ^2/NDF:3811005.6/52

Out: 120.374+/-0.014 χ^2/NDF:4024115.0/58

All: 121.151+/-0.010 χ^2/NDF: 7841267.9/111

asym_bpm2i02WS_mean vs Slug, Sign Corrected



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

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

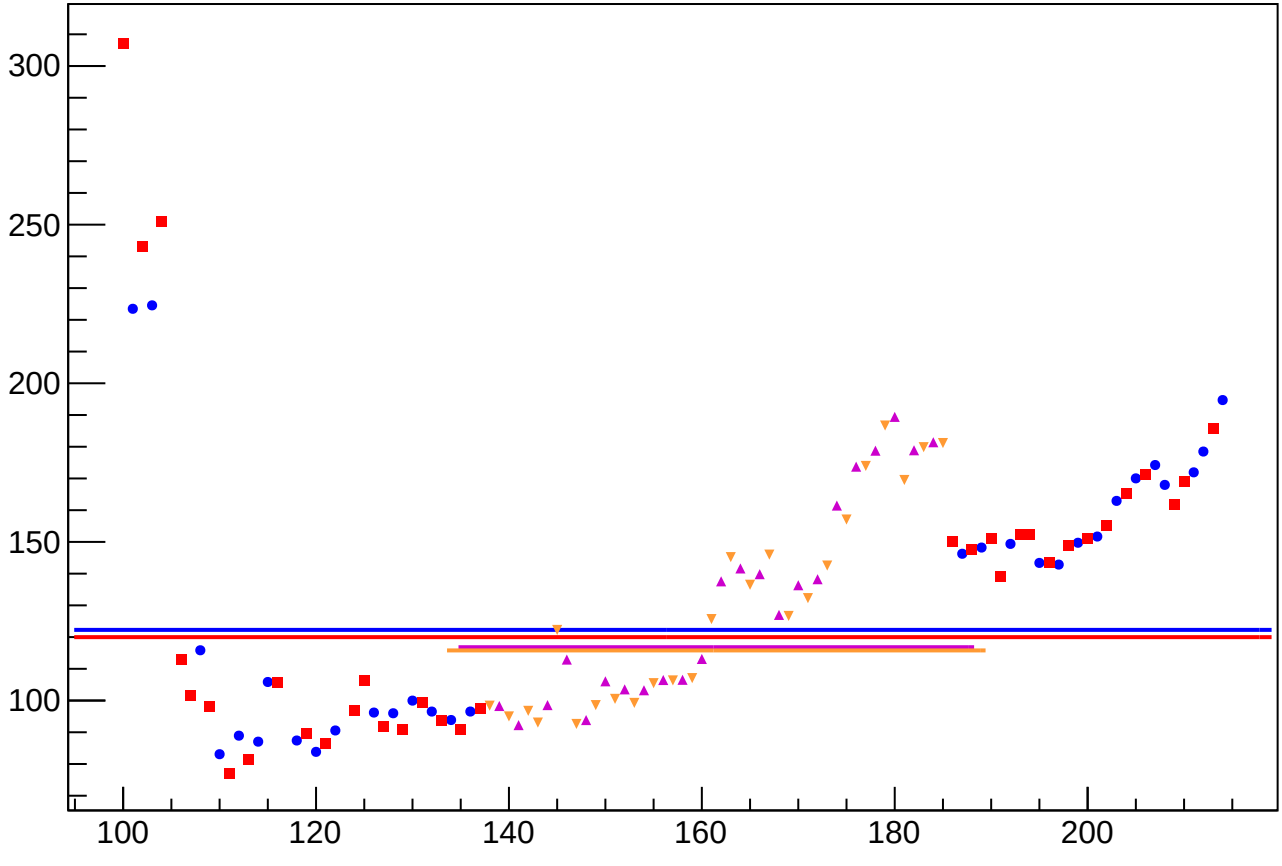
Right: 3412.457+/-21.018 χ^2/NDF: 197235.1/63

In: -1365.625+/-20.649 χ^2/NDF:145515.2/52

Out: -343.906+/-19.895 χ^2/NDF:220404.0/58

All: -835.754+/-14.327 χ^2/NDF: 367188.9/11

asym_bpm2i02WS_rms vs Slug, Sign Corrected



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

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

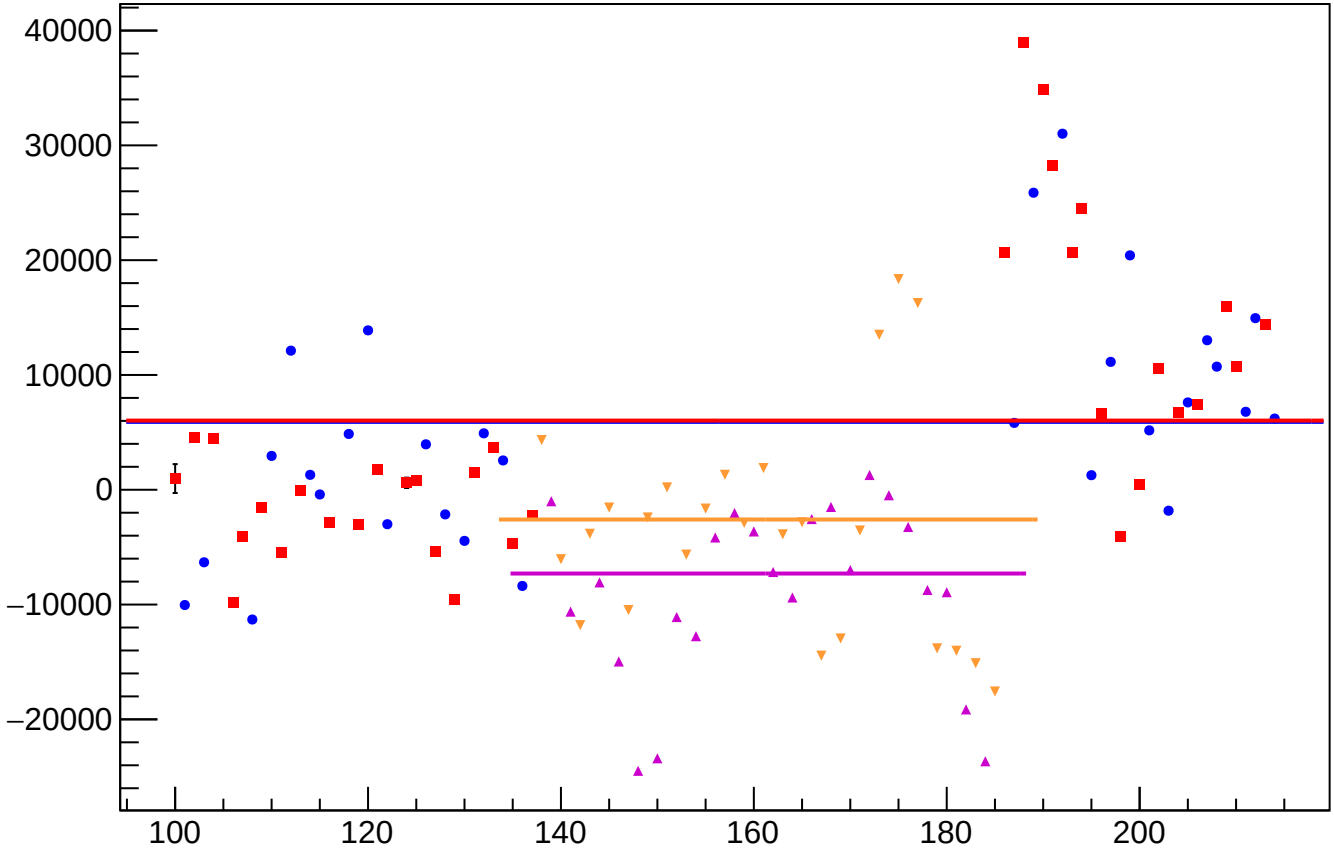
Right: 121.084+/-0.015 χ^2/NDF: 6189774.4/63

In: 119.343+/-0.015 χ^2/NDF:4661728.7/52

Out: 117.746+/-0.014 χ^2/NDF:4945646.9/58

All: 118.515+/-0.010 χ^2/NDF: 9613580.2/11

asym_bpm0i01WS_mean vs Slug, Sign Corrected



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

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

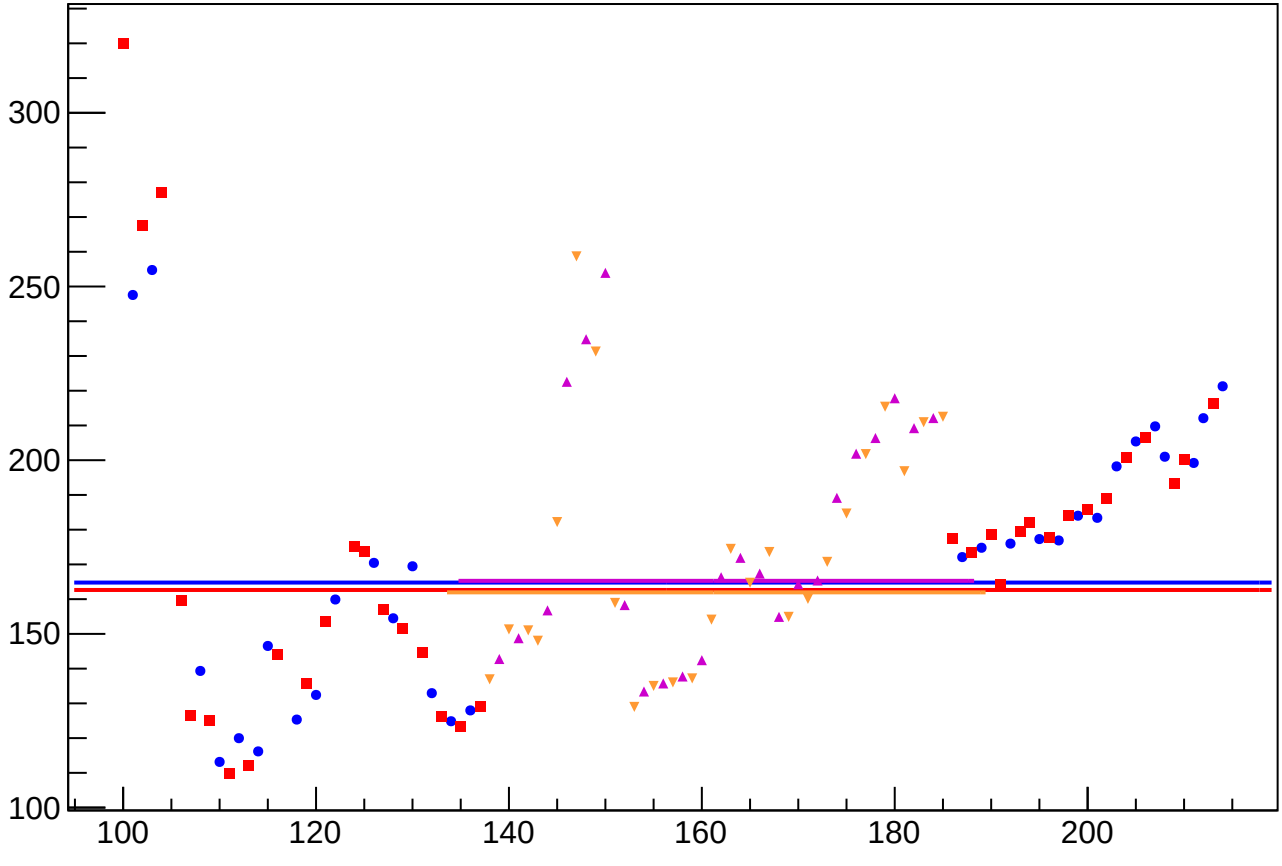
Right: 5971.536+/-27.669 χ^2/NDF: 167389.6/63

In: -726.329+/-28.058 χ^2/NDF:146064.2/52

Out: 1619.868+/-26.918 χ^2/NDF:175078.7/58

All: 495.386+/-19.424 χ^2/NDF: 324784.1/111

asym_bpm0i01WS_rms vs Slug, Sign Corrected



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

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

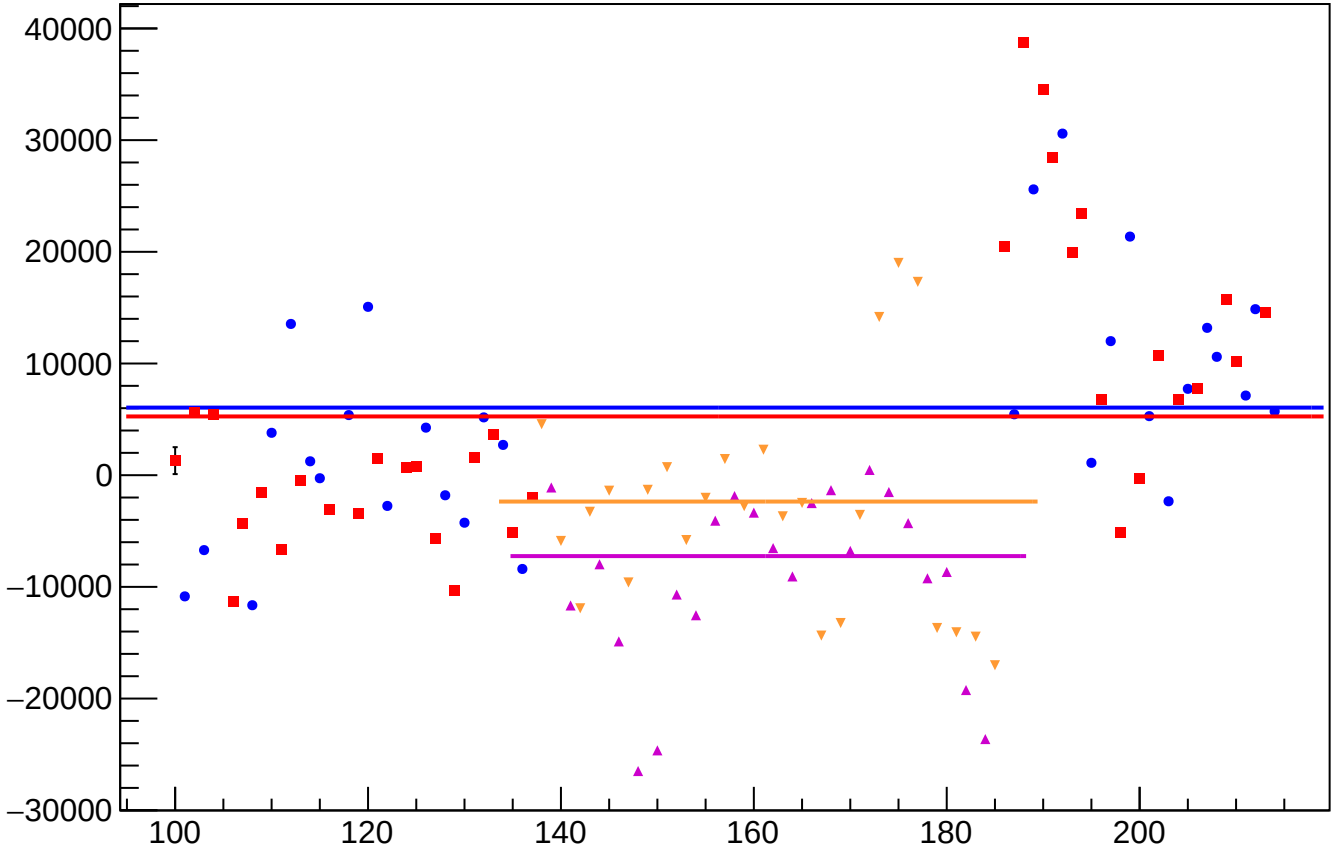
Right: 163.675+/-0.020 χ^2/NDF: 3321394.8/63

In: 165.026+/-0.020 χ^2/NDF:2801570.9/52

Out: 162.292+/-0.019 χ^2/NDF:2841232.2/58

All: 163.603+/-0.014 χ^2/NDF: 5652690.9/11

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



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

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

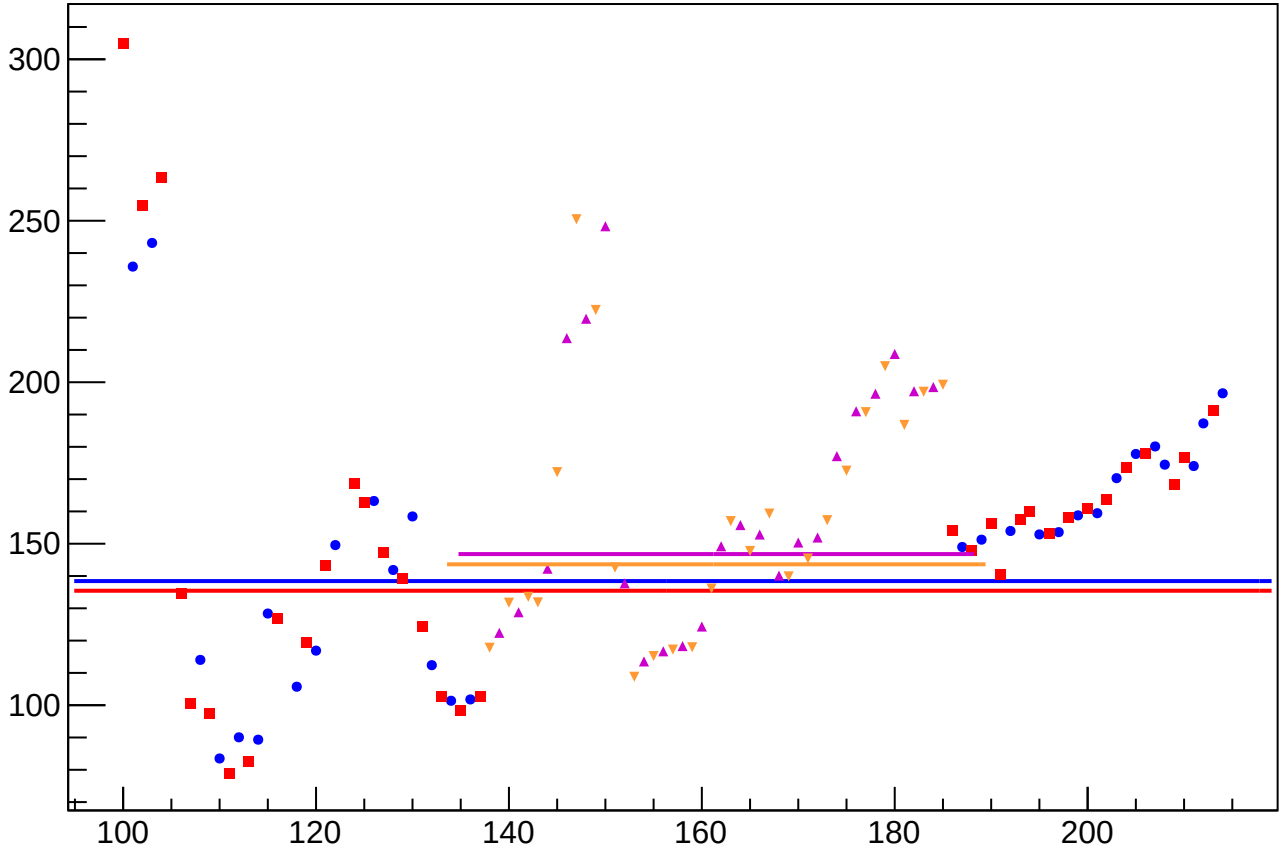
Right: 5640.549+/-23.493 χ^2/NDF: 233518.2/63

In: -286.108+/-24.514 χ^2/NDF:195541.9/52

Out: 1573.701+/-23.424 χ^2/NDF:226528.3/58

All: 686.073+/-16.936 χ^2/NDF: 425078.9/111

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



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

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

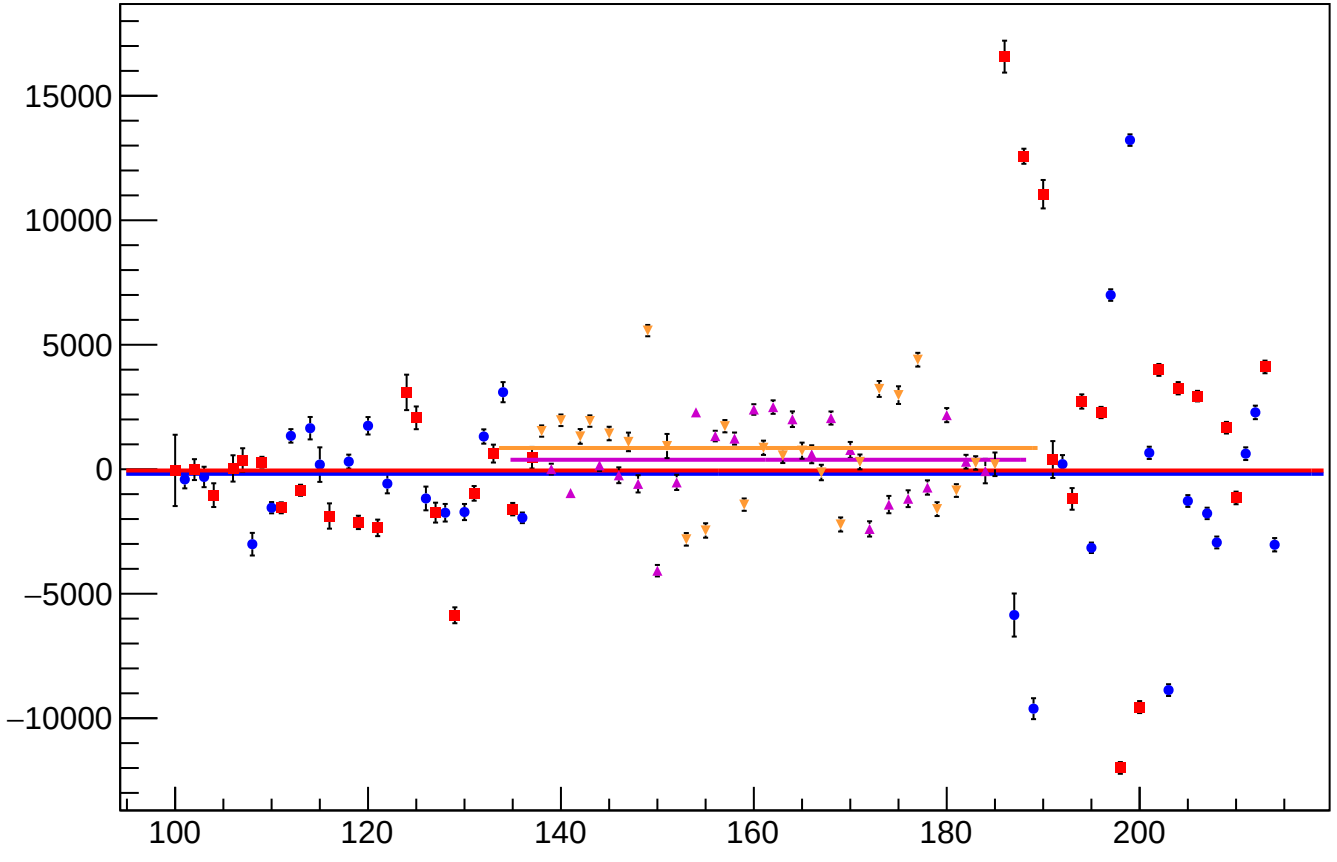
Right: 136.877+/-0.017 χ^2/NDF: 5047865.1/63

In: 142.417+/-0.017 χ^2/NDF:4143209.9/52

Out: 139.397+/-0.017 χ^2/NDF:4372909.8/58

All: 140.839+/-0.012 χ^2/NDF: 8531984.1/11

asym_bpm0l01WS_mean vs Slug, Sign Corrected



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

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

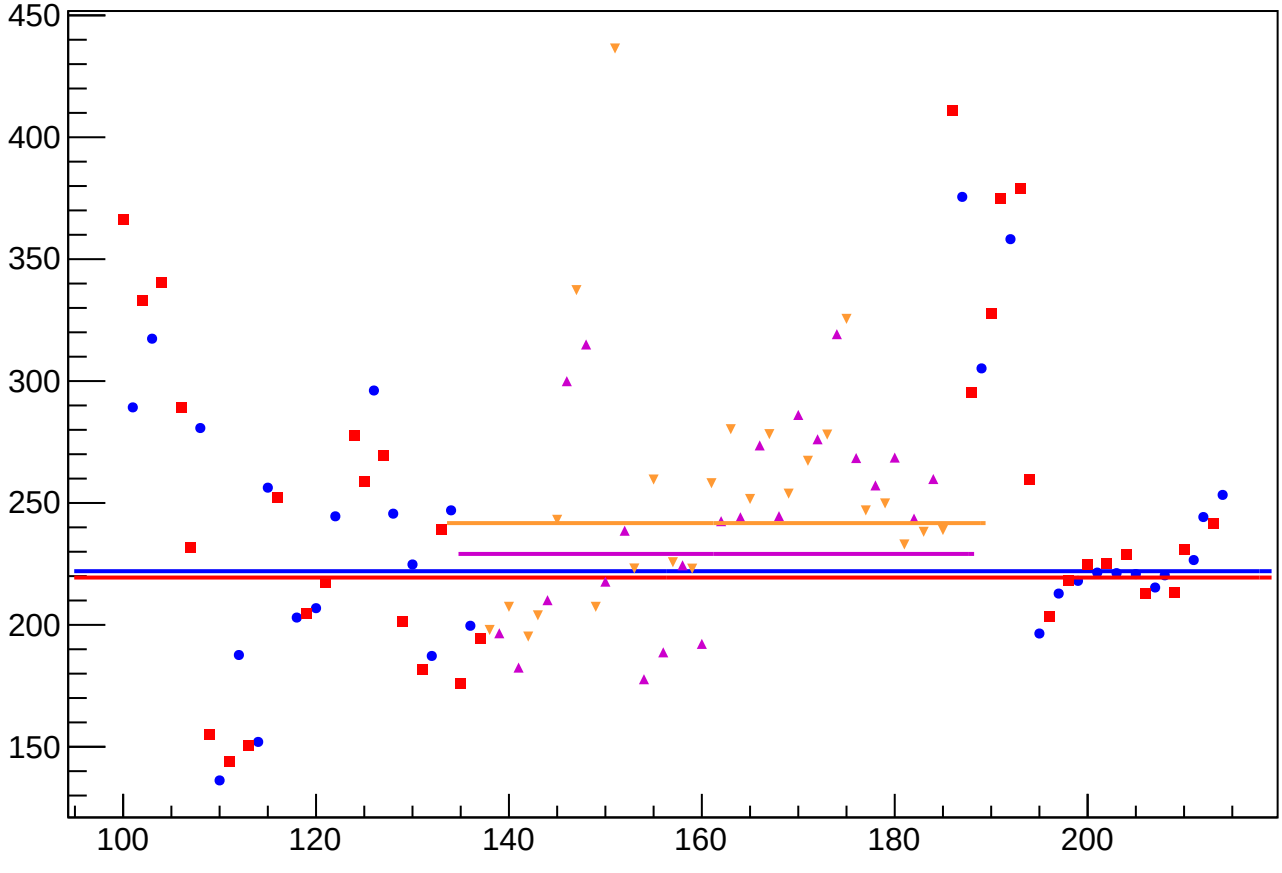
Right: -115.656+/-37.230 χ^2/NDF: 15965.4/63

In: 88.143+/-38.258 χ^2/NDF:8241.0/52

Out: 368.198+/-38.252 χ^2/NDF:10340.6/58

All: 228.191+/-27.050 χ^2/NDF: 18608.4/111

asym_bpm0l01WS_rms vs Slug, Sign Corrected



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

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

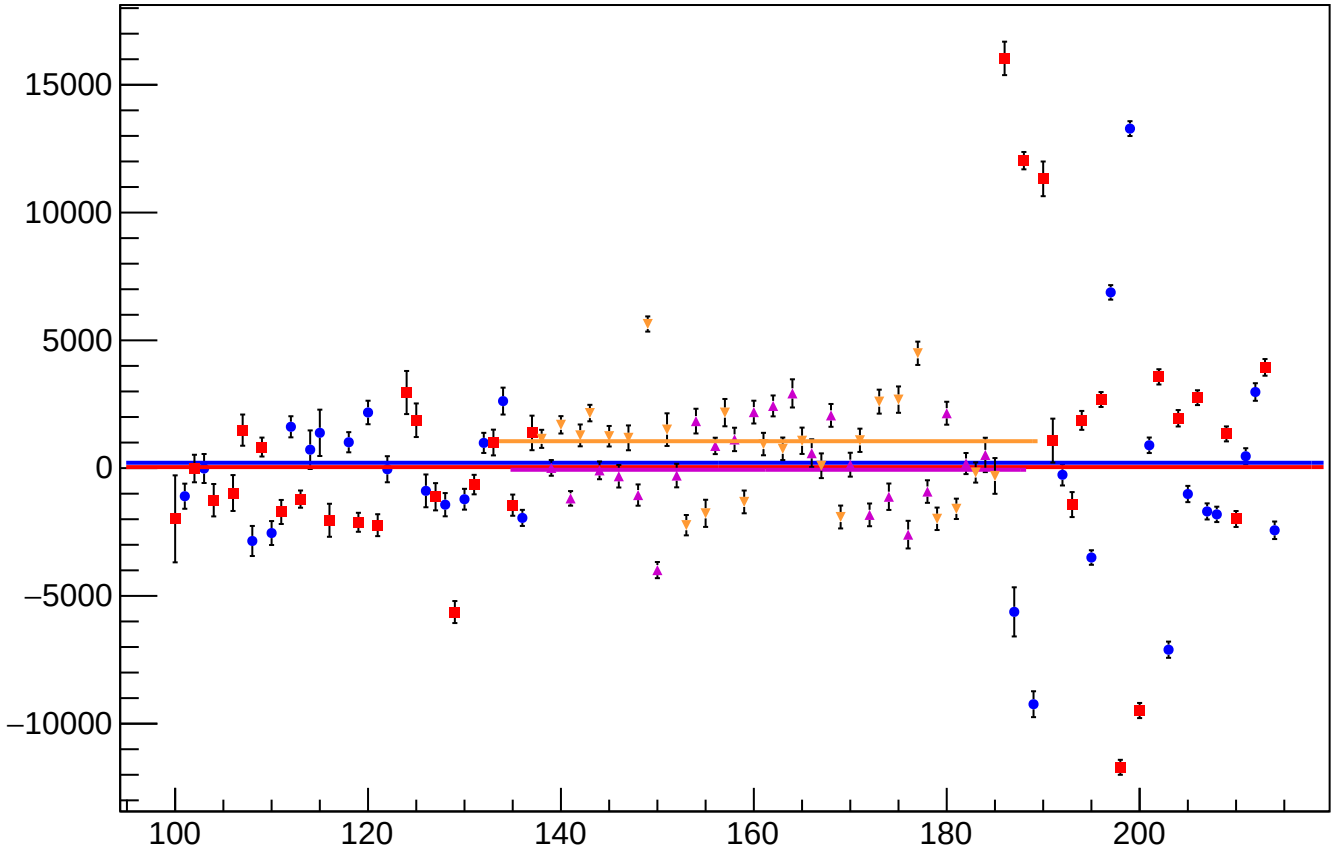
Right: 220.695+/-0.026 χ^2/NDF: 3151413.0/63

In: 225.432+/-0.027 χ^2/NDF:2303425.6/52

Out: 229.747+/-0.027 χ^2/NDF:3087451.7/58

All: 227.589+/-0.019 χ^2/NDF: 5403599.9/11

asym_bpm0l02WS_mean vs Slug, Sign Corrected



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

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

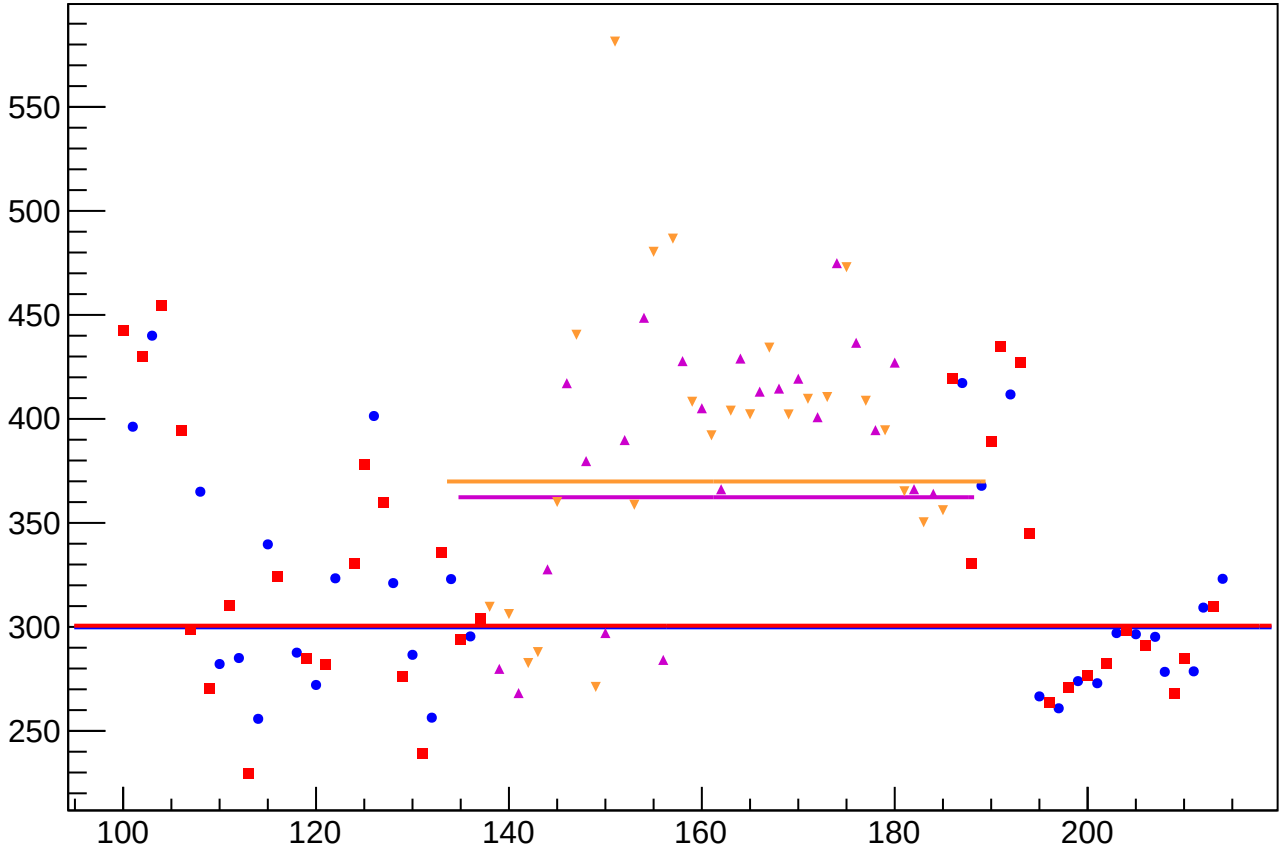
Right: 123.892+/-49.932 χ^2/NDF: 9787.2/63

In: 99.517+/-54.945 χ^2/NDF:4496.1/52

Out: 445.703+/-54.349 χ^2/NDF:6386.8/58

All: 274.496+/-38.640 χ^2/NDF: 10902.9/111

asym_bpm0l02WS_rms vs Slug, Sign Corrected



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

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

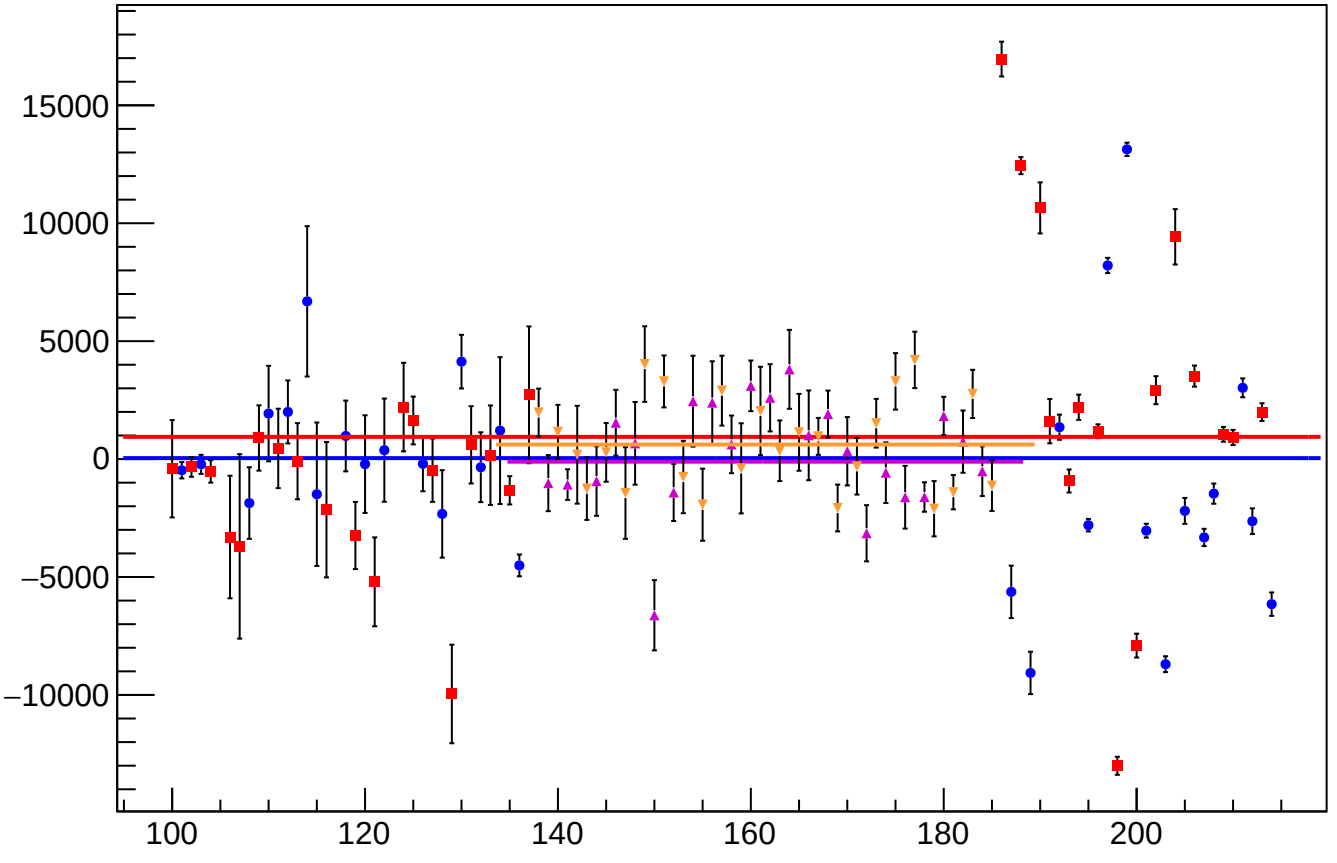
Right: 300.202+/-0.035 χ^2/NDF: 1629295.1/63

In: 324.946+/-0.039 χ^2/NDF:2350620.9/52

Out: 328.347+/-0.038 χ^2/NDF:2966465.9/58

All: 326.665+/-0.027 χ^2/NDF: 5320959.5/11

asym_bpm0l03WS_mean vs Slug, Sign Corrected



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

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

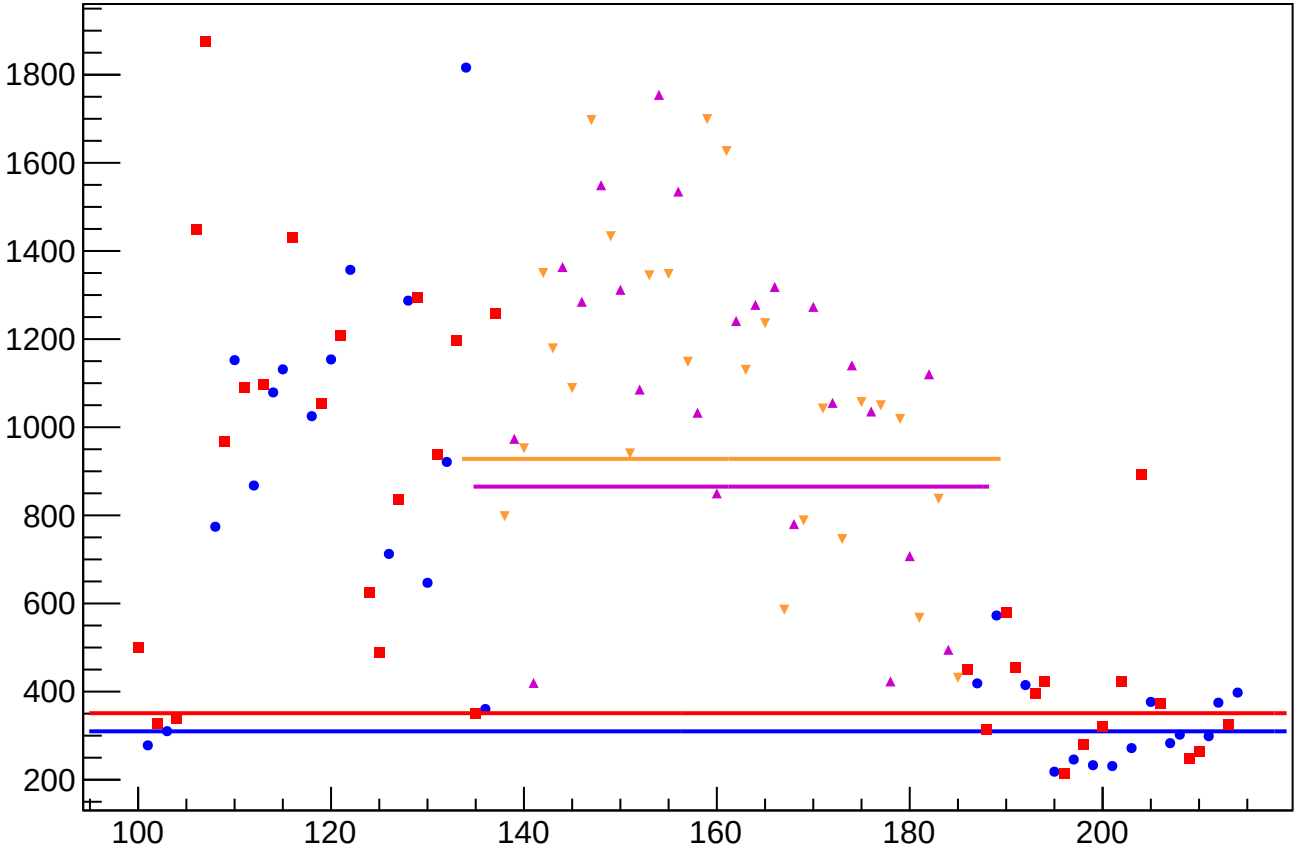
Right: 447.098+/-68.748 χ^2/NDF: 7773.7/63

In: 20.588+/-86.421 χ^2/NDF:4385.7/52

Out: 892.136+/-94.072 χ^2/NDF:3484.6/58

All: 419.483+/-63.642 χ^2/NDF: 7916.9/111

asym_bpm0l03WS_rms vs Slug, Sign Corrected



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

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

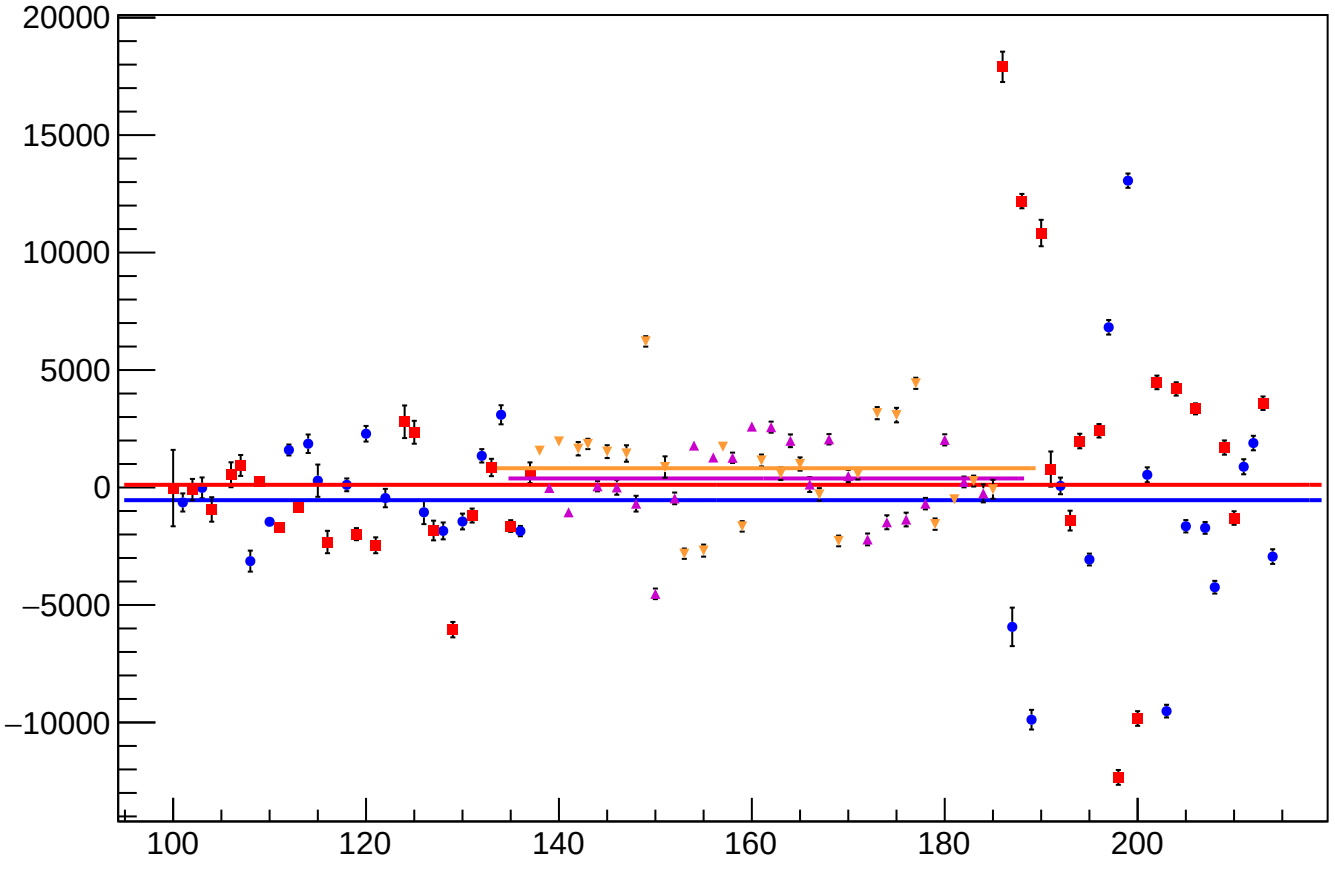
Right: 328.390+/-0.049 χ^2/NDF: 11588203.4/63

In: 383.174+/-0.061 χ^2/NDF:19509551.1/52

Out: 441.066+/-0.067 χ^2/NDF:19371926.6/58

All: 409.671+/-0.045 χ^2/NDF: 39292241.7/11

asym_bpm0l04WS_mean vs Slug, Sign Corrected



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

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

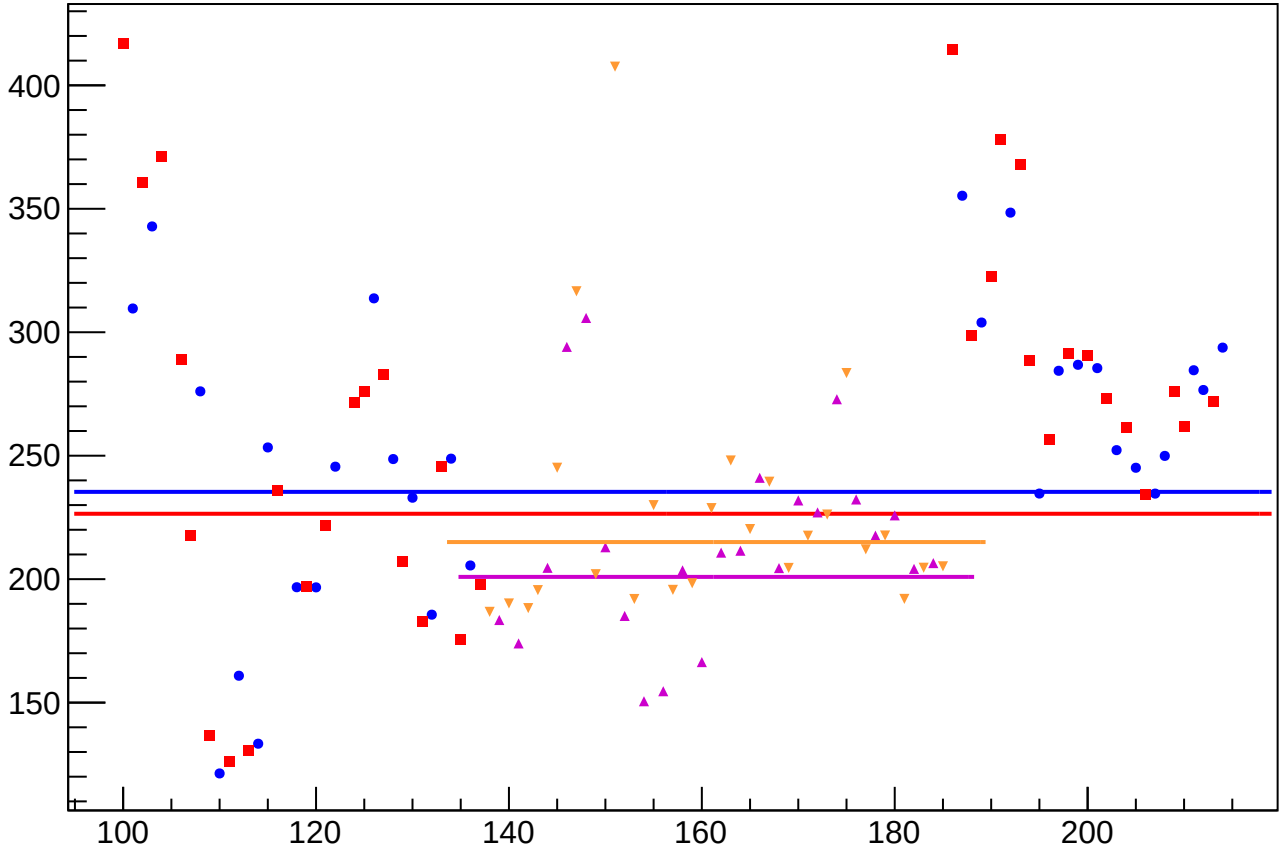
Right: -199.562+/-39.590 χ^2/NDF: 12121.4/63

In: -1.898+/-36.948 χ^2/NDF:6520.4/52

Out: 500.965+/-36.975 χ^2/NDF:9019.6/58

All: 249.347+/-26.136 χ^2/NDF: 15632.5/111

asym_bpm0l04WS_rms vs Slug, Sign Corrected



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

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

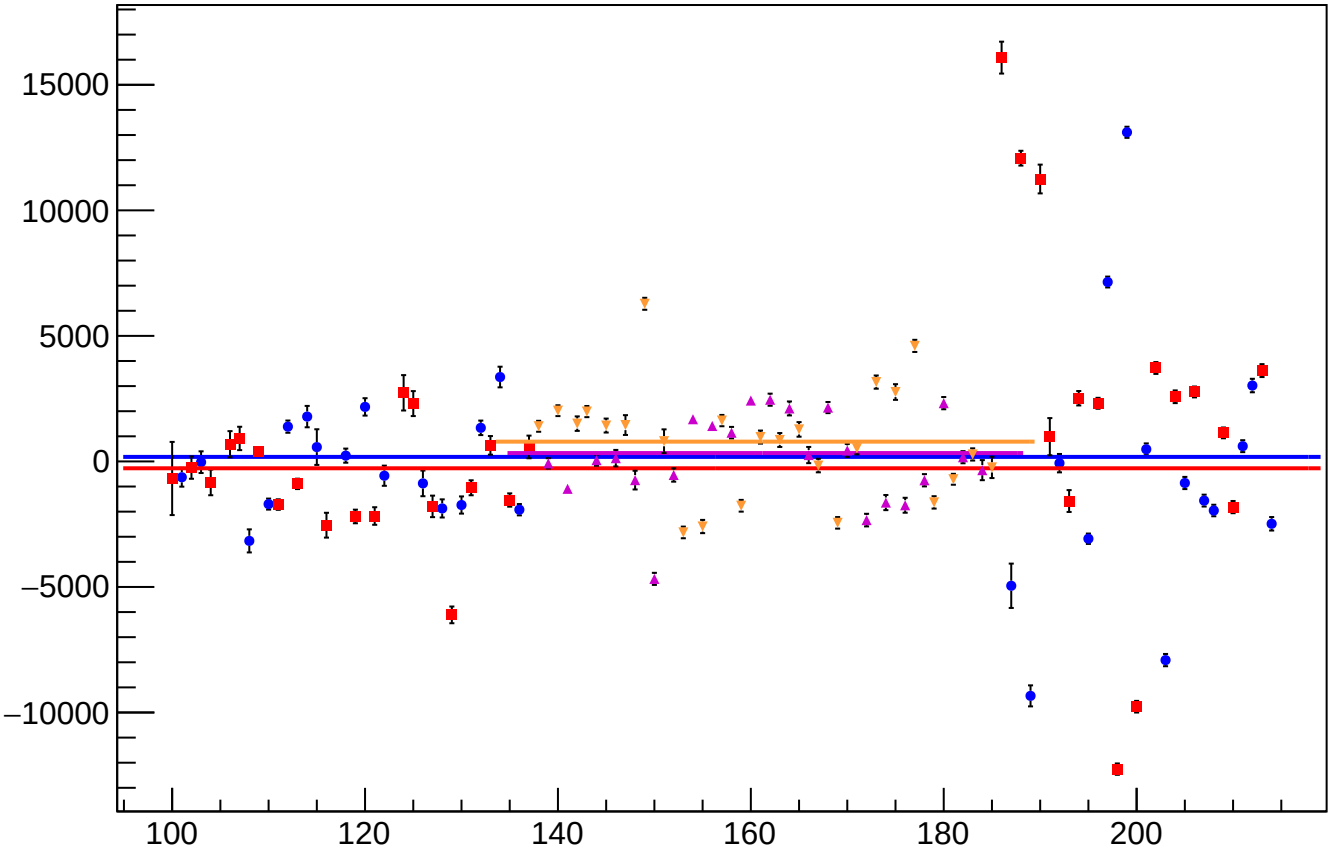
Right: 230.745+/-0.028 χ^2/NDF: 5279149.3/63

In: 215.330+/-0.026 χ^2/NDF:3555394.3/52

Out: 220.217+/-0.026 χ^2/NDF:4172704.0/58

All: 217.772+/-0.018 χ^2/NDF: 7745578.6/11

asym_bpm0l05WS_mean vs Slug, Sign Corrected



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

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

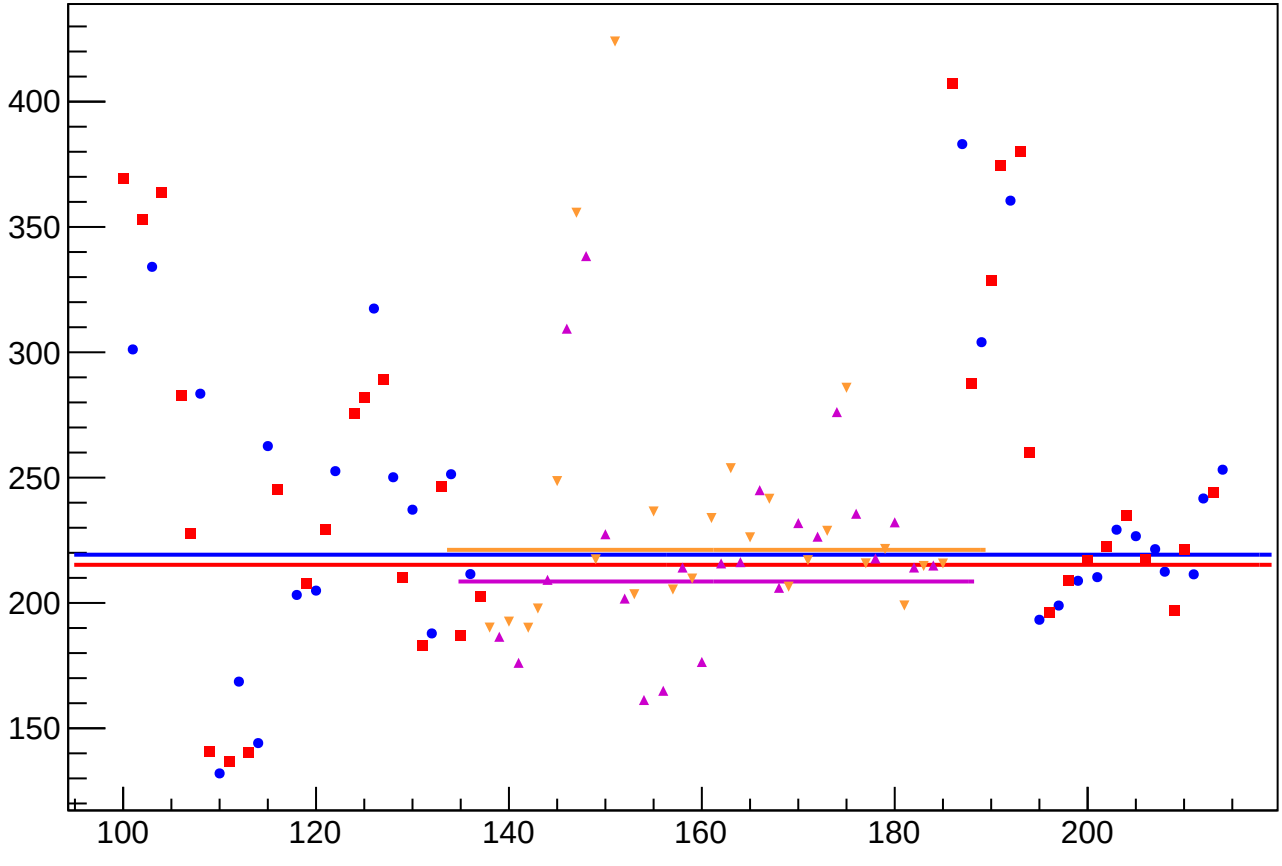
Right: -51.667+/-36.815 χ^2/NDF: 16242.3/63

In: 260.374+/-36.334 χ^2/NDF:8365.4/52

Out: 258.091+/-36.385 χ^2/NDF:11161.6/58

All: 259.234+/-25.710 χ^2/NDF: 19527.0/111

asym_bpm0l05WS_rms vs Slug, Sign Corrected



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

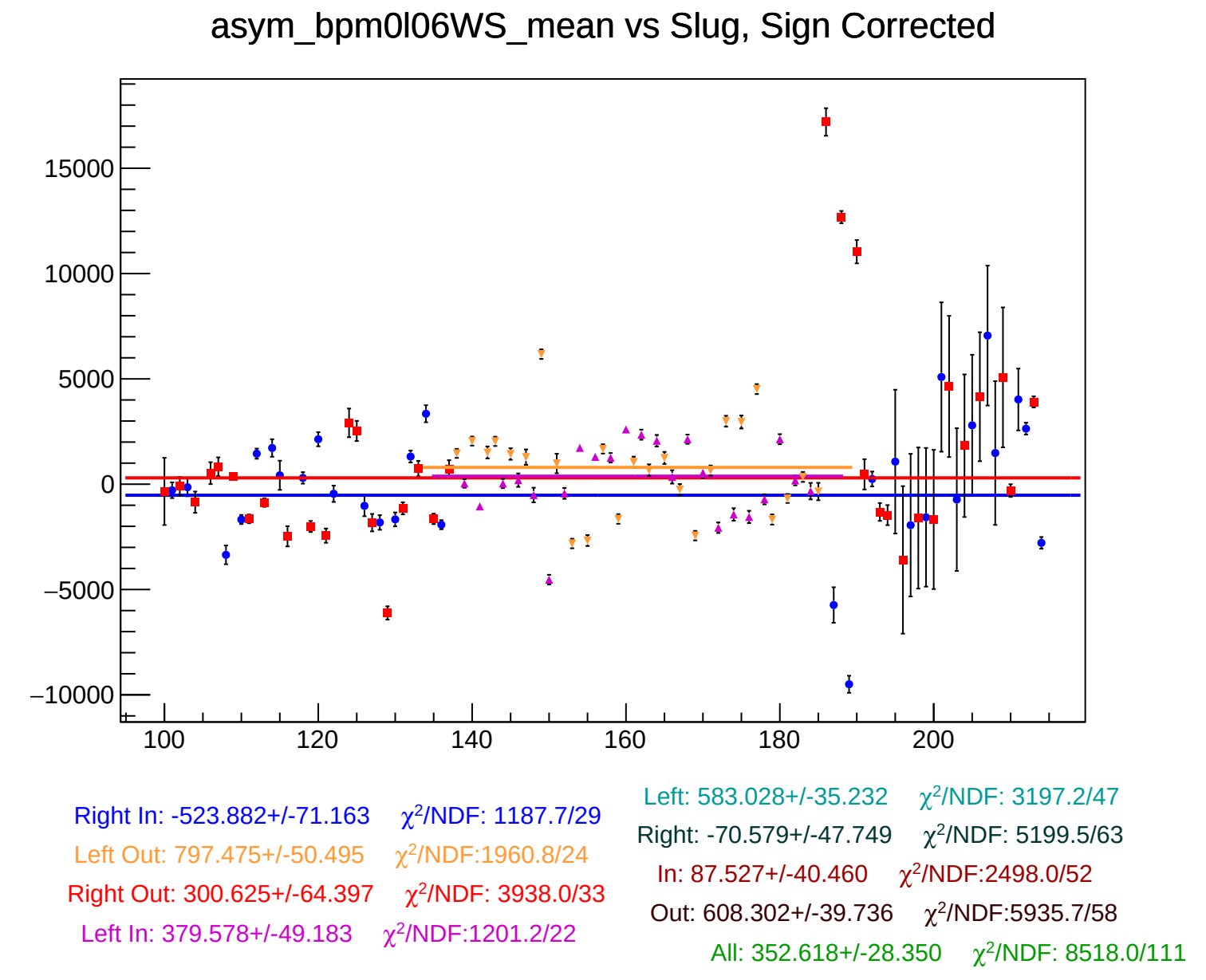
Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

Right: 217.185+/-0.026 χ^2/NDF: 3775043.1/63

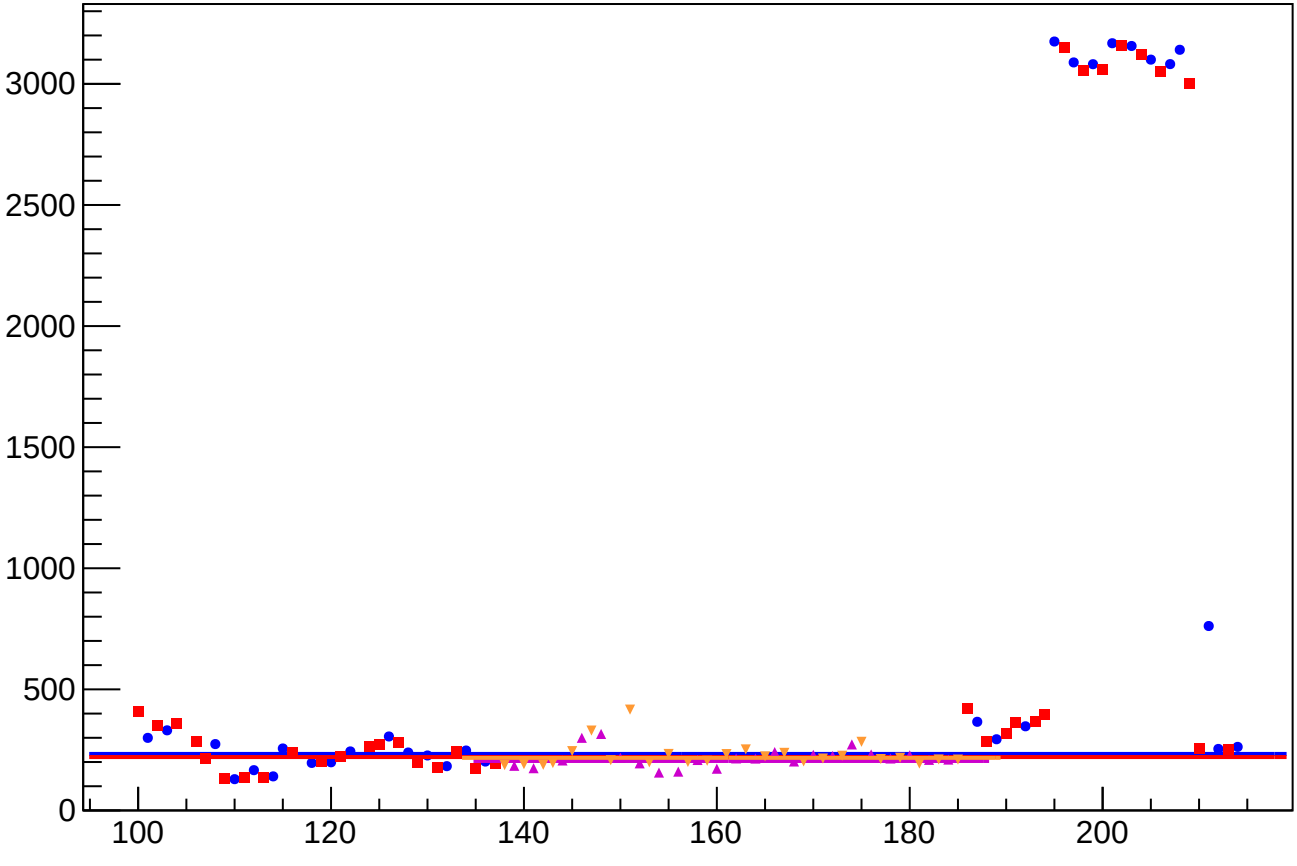
In: 213.645+/-0.026 χ^2/NDF:2541455.3/52

Out: 218.203+/-0.026 χ^2/NDF:3259405.3/58

All: 215.921+/-0.018 χ^2/NDF: 5816576.2/11


asym_bpm0l06WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -523.882+/-71.163 χ²/NDF: 1187.7/29
Left Out: 797.475+/-50.495 χ²/NDF:1960.8/24
Right Out: 300.625+/-64.397 χ²/NDF: 3938.0/33
Left In: 379.578+/-49.183 χ²/NDF:1201.2/22
Left: 583.028+/-35.232 χ²/NDF: 3197.2/47
Right: -70.579+/-47.749 χ²/NDF: 5199.5/63
In: 87.527+/-40.460 χ²/NDF:2498.0/52
Out: 608.302+/-39.736 χ²/NDF:5935.7/58
All: 352.618+/-28.350 χ²/NDF: 8518.0/111

asym_bpm0l06WS_rms vs Slug, Sign Corrected



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

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

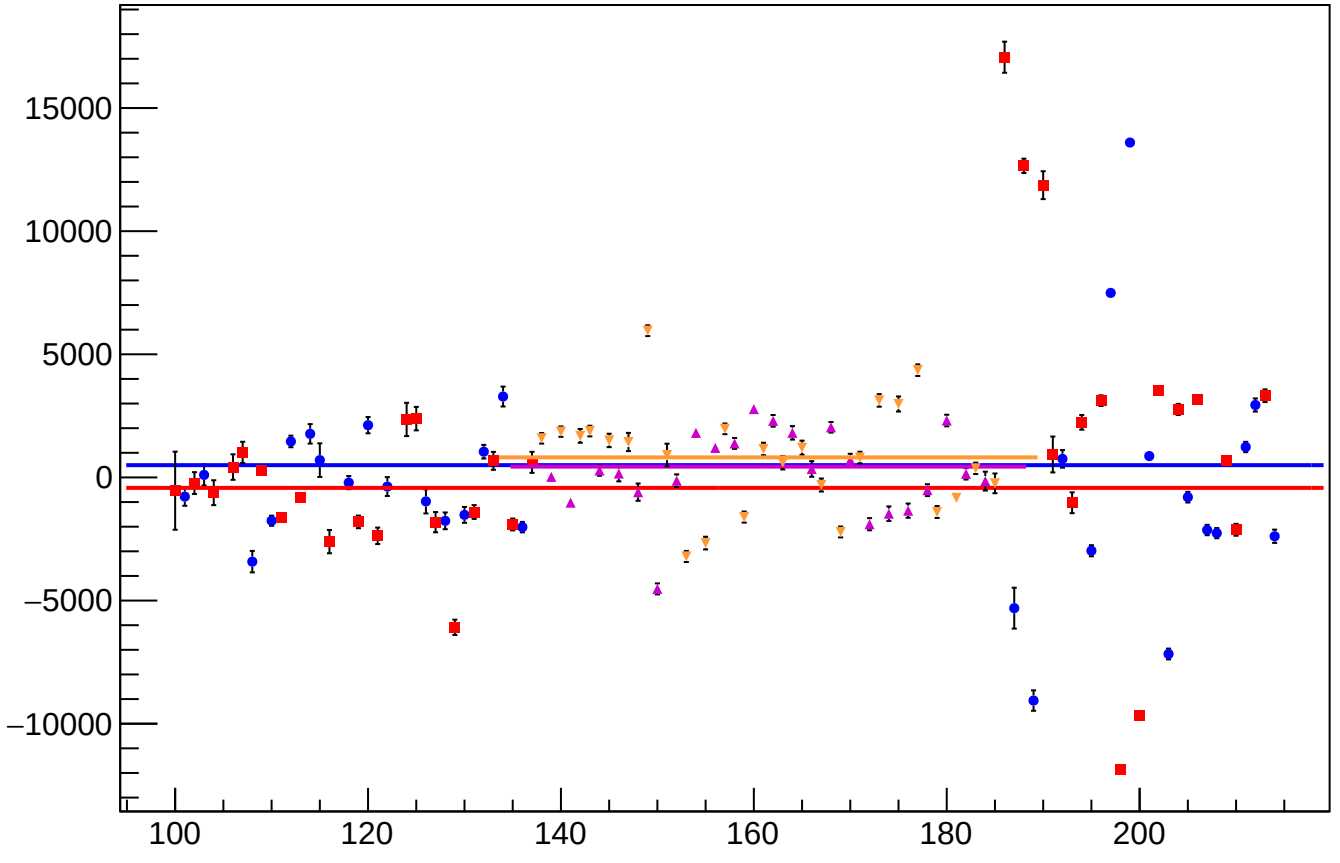
Right: 226.292+/-0.034 χ^2/NDF: 26556731.7/63

In: 213.719+/-0.029 χ^2/NDF:14607204.3/52

Out: 218.454+/-0.028 χ^2/NDF:14068162.8/58

All: 216.129+/-0.020 χ^2/NDF: 28689309.4/11

asym_bpm0l07WS_mean vs Slug, Sign Corrected



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

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

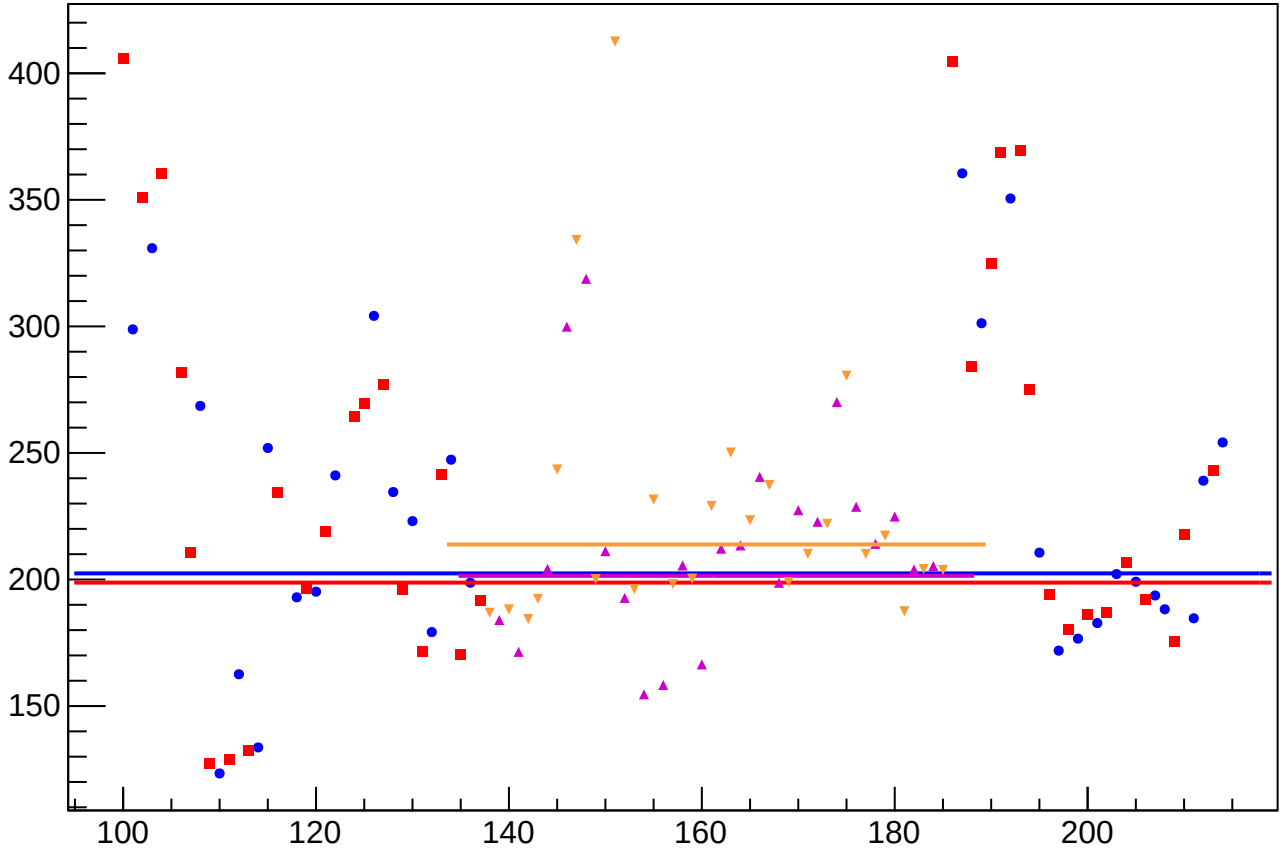
Right: 27.227+/-34.337 χ^2/NDF: 20448.4/63

In: 468.926+/-34.518 χ^2/NDF:10564.4/52

Out: 173.231+/-34.560 χ^2/NDF:13260.2/58

All: 321.258+/-24.423 χ^2/NDF: 23861.2/111

asym_bpm0l07WS_rms vs Slug, Sign Corrected



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

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

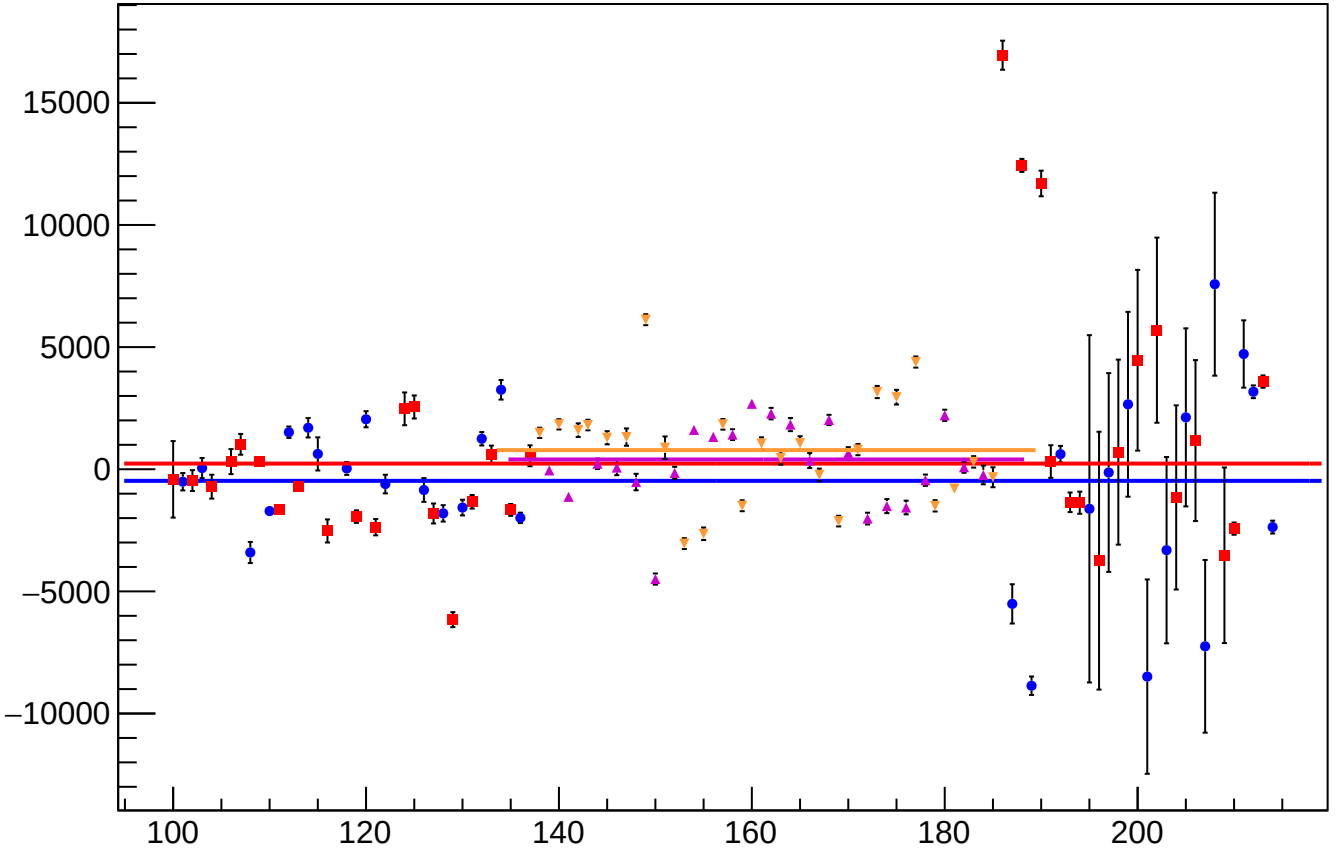
Right: 200.553+/-0.024 χ^2/NDF: 4486143.5/63

In: 201.923+/-0.024 χ^2/NDF:2802614.1/52

Out: 206.045+/-0.024 χ^2/NDF:3798877.6/58

All: 203.982+/-0.017 χ^2/NDF: 6615734.4/11

asym_bpm0l08WS_mean vs Slug, Sign Corrected



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

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

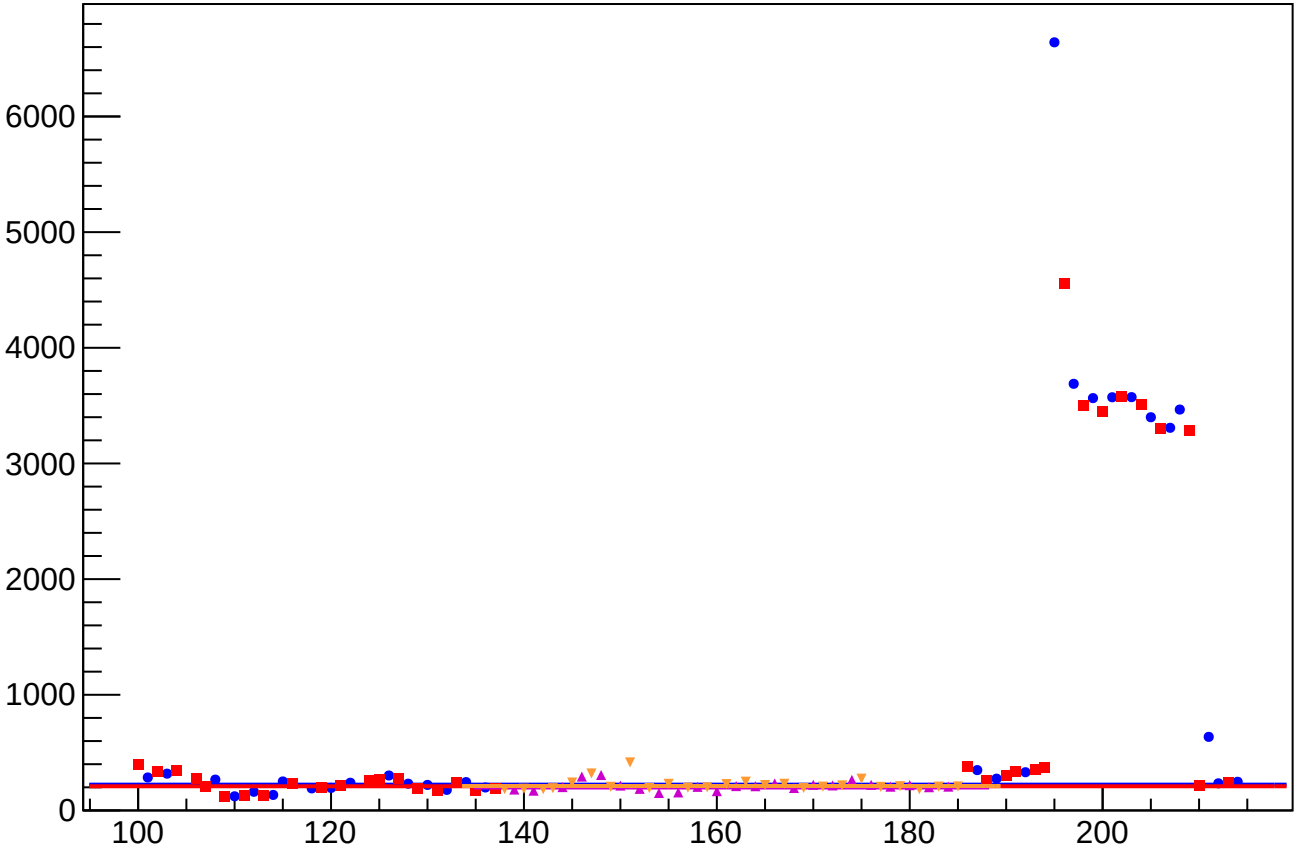
Right: -82.637+/-45.740 χ^2/NDF: 5900.4/63

In: 113.682+/-39.230 χ^2/NDF:2613.7/52

Out: 566.878+/-38.387 χ^2/NDF:6619.6/58

All: 345.200+/-27.437 χ^2/NDF: 9301.5/111

asym_bpm0l08WS_rms vs Slug, Sign Corrected



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

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

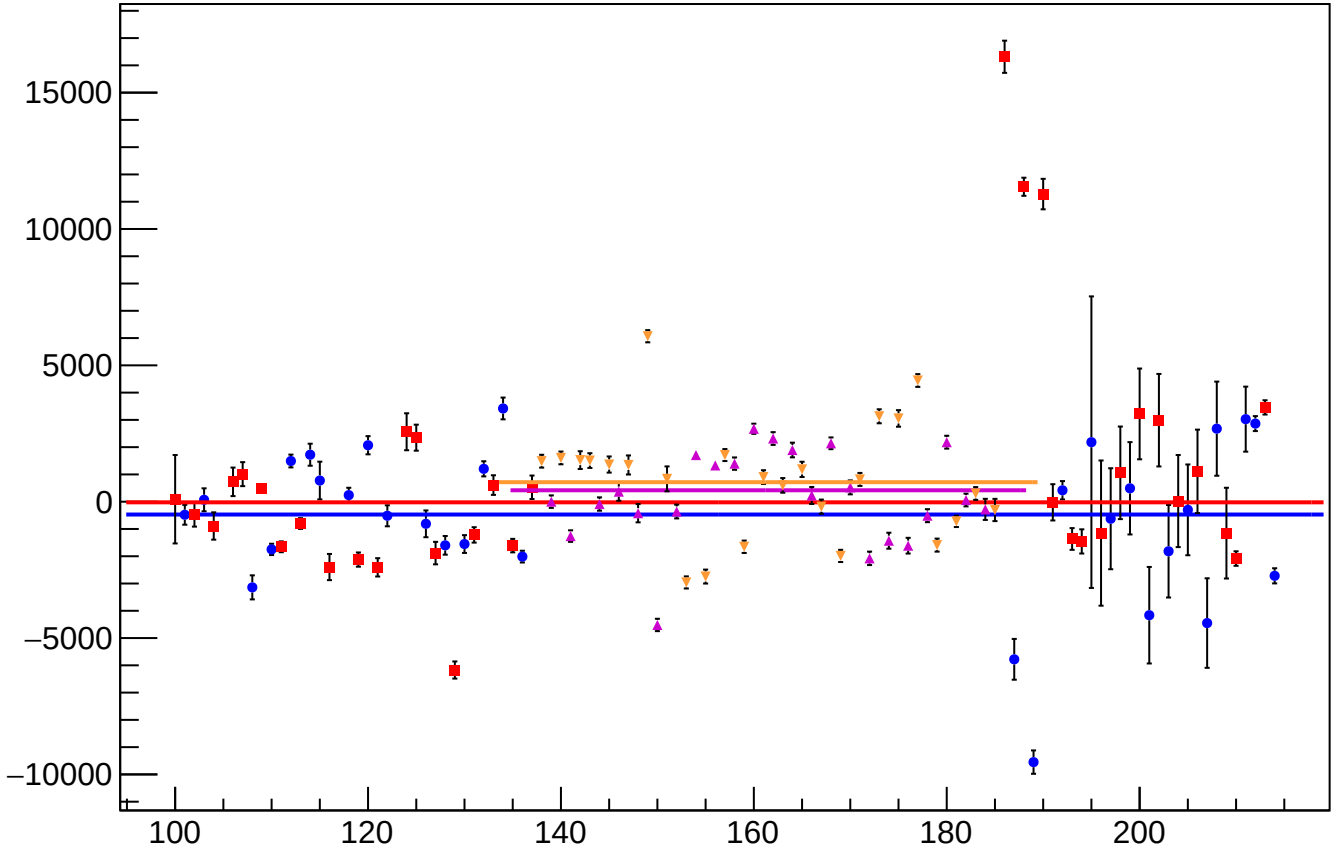
Right: 215.247+/-0.032 χ^2/NDF: 27196739.1/63

In: 206.545+/-0.028 χ^2/NDF:14923336.2/52

Out: 210.519+/-0.027 χ^2/NDF:14342303.4/58

All: 208.575+/-0.019 χ^2/NDF: 29276123.9/11

asym_bpm0l09WS_mean vs Slug, Sign Corrected



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

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

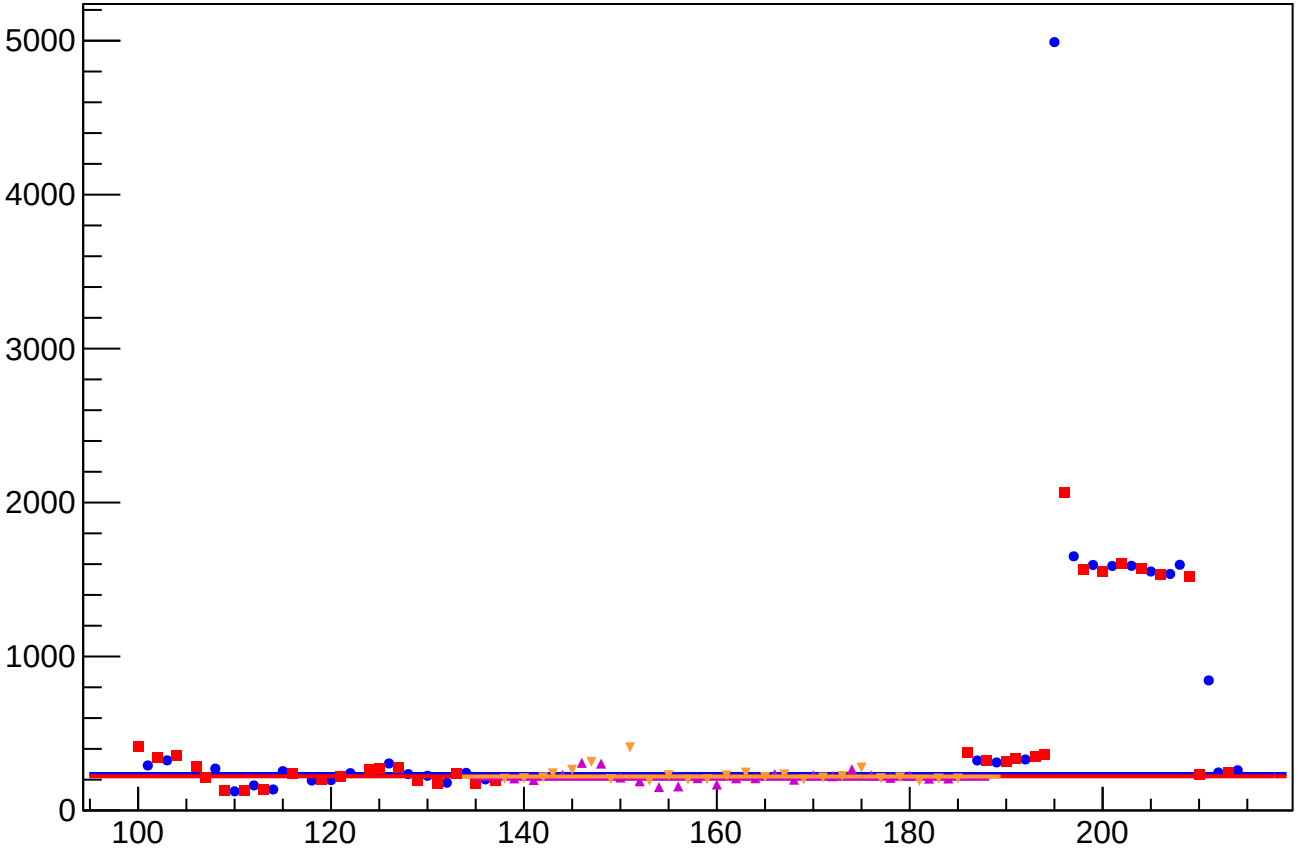
Right: -224.198+/-46.754 χ^2/NDF: 4619.9/63

In: 120.445+/-40.374 χ^2/NDF:2540.0/52

Out: 422.620+/-39.698 χ^2/NDF:5407.1/58

All: 274.082+/-28.307 χ^2/NDF: 7975.6/111

asym_bpm0l09WS_rms vs Slug, Sign Corrected



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

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

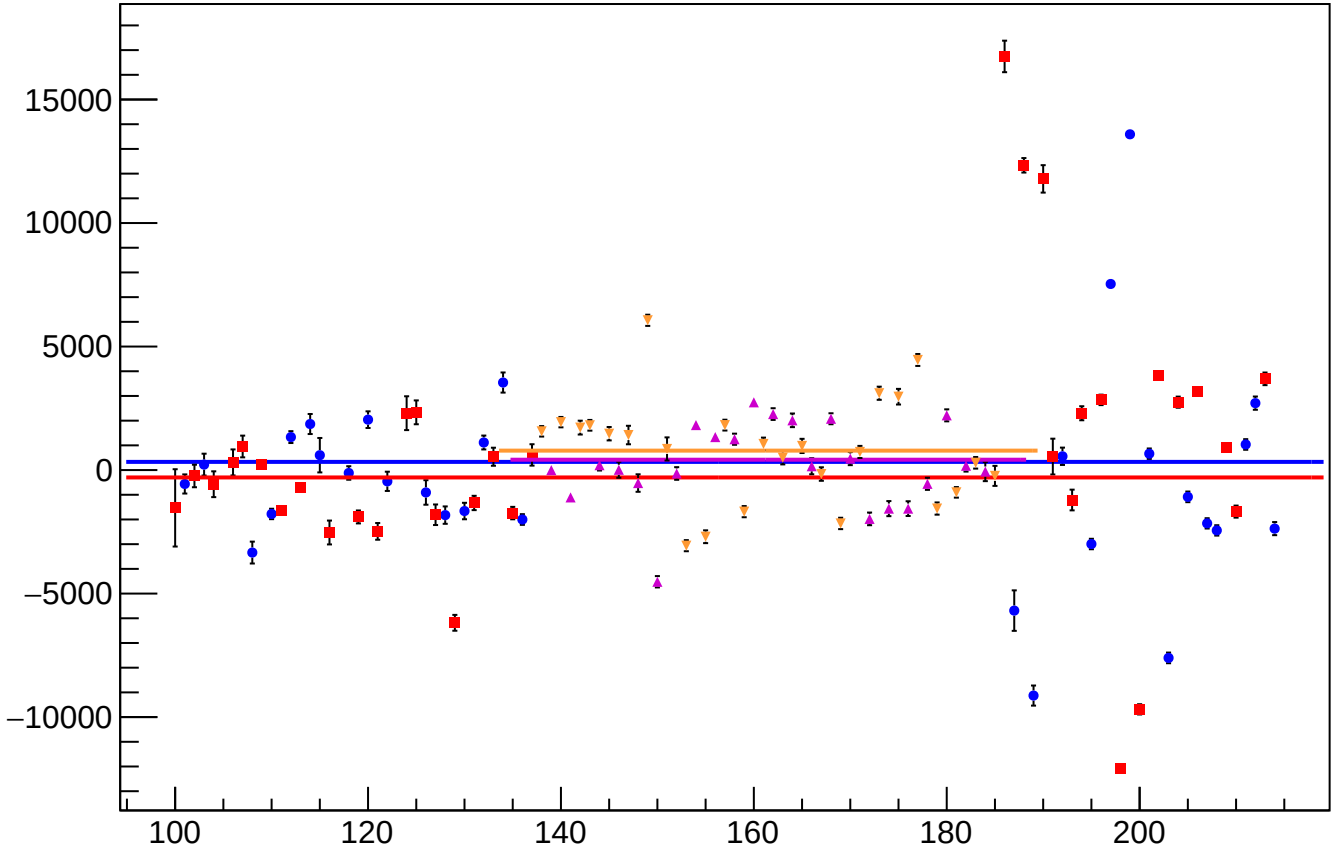
Right: 228.559+/-0.033 χ^2/NDF: 23978314.9/63

In: 216.004+/-0.029 χ^2/NDF:13600193.9/52

Out: 220.792+/-0.028 χ^2/NDF:12410333.0/58

All: 218.439+/-0.020 χ^2/NDF: 26024827.8/11

asym_bpm0l10WS_mean vs Slug, Sign Corrected



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

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

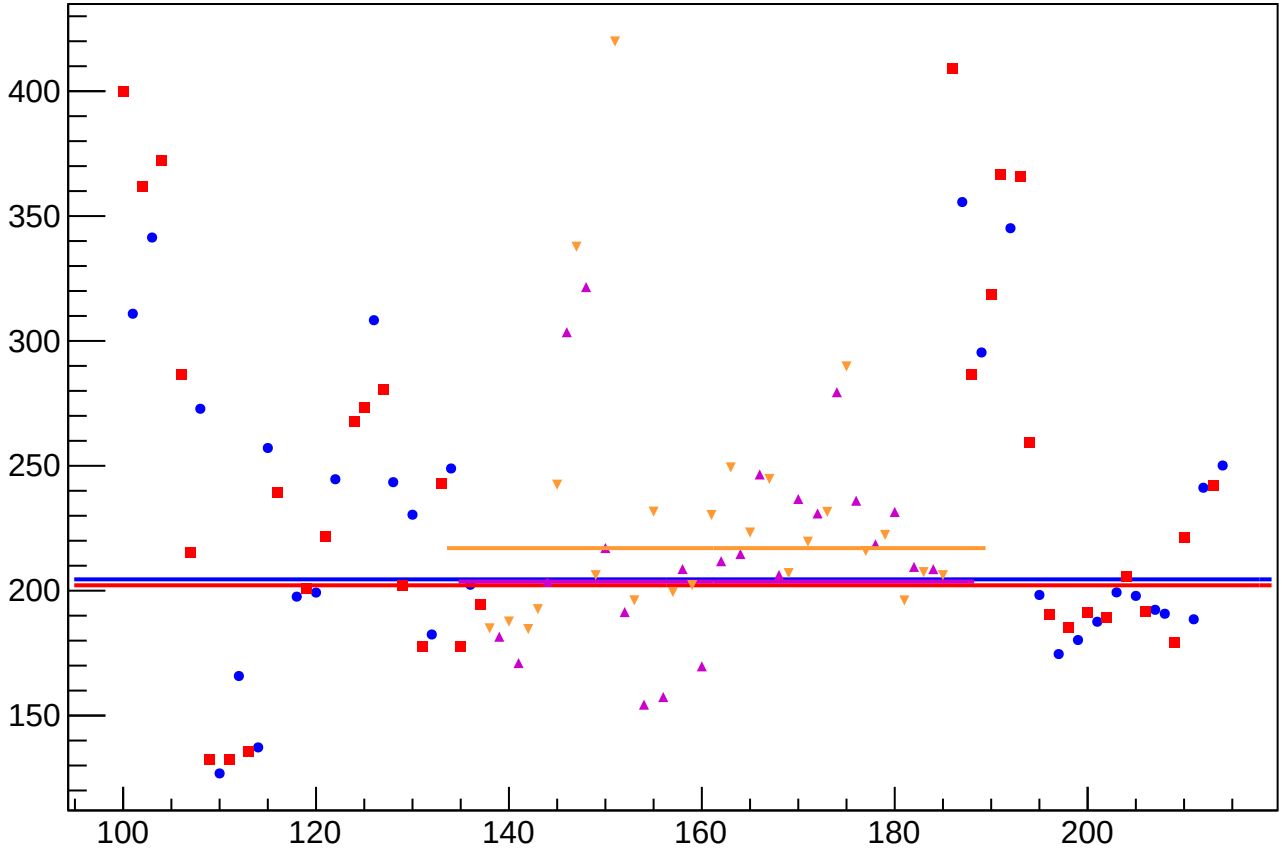
Right: 10.882+/-34.777 χ^2/NDF: 19993.7/63

In: 375.382+/-34.911 χ^2/NDF:10517.0/52

Out: 224.923+/-35.093 χ^2/NDF:12783.8/58

All: 300.543+/-24.750 χ^2/NDF: 23310.1/111

asym_bpm0l10WS_rms vs Slug, Sign Corrected



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

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

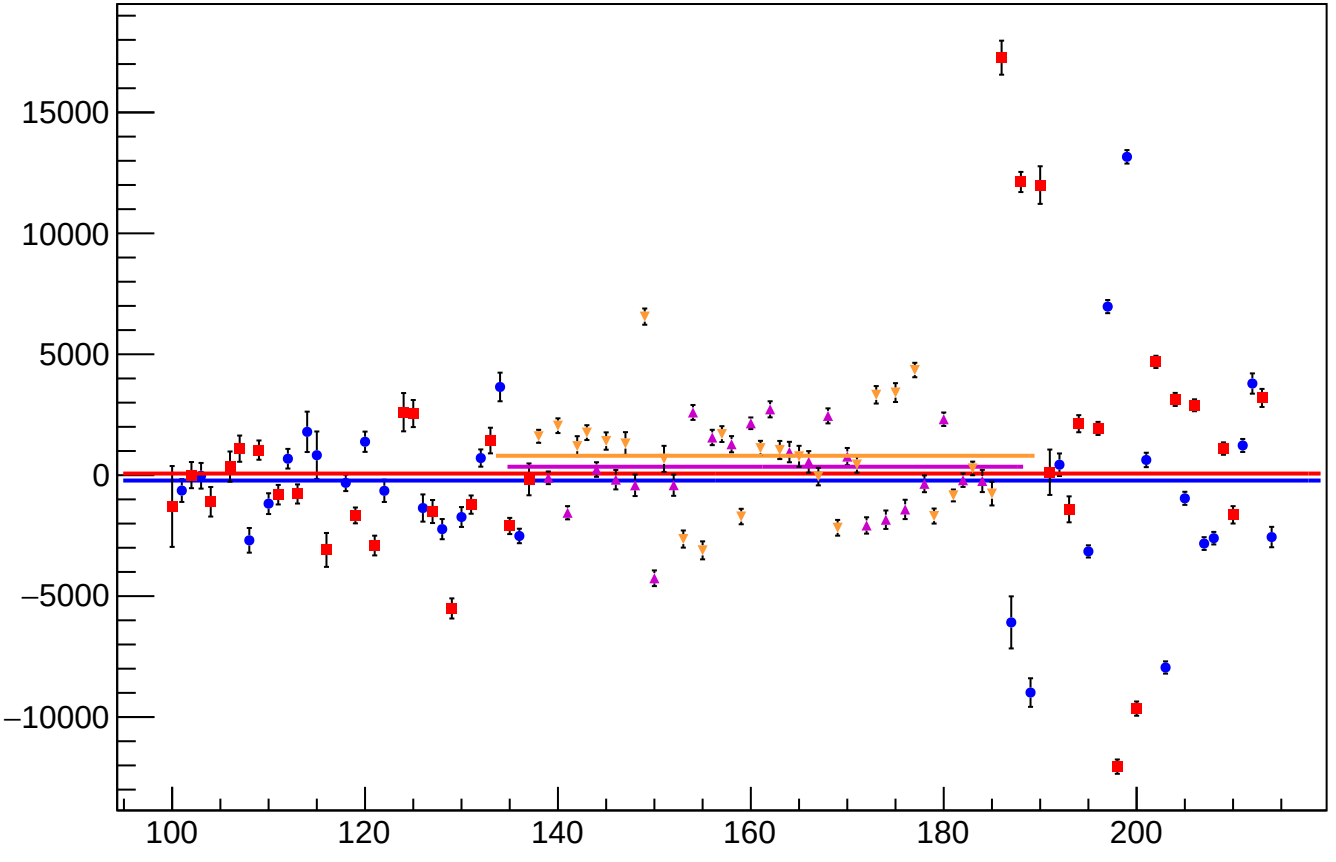
Right: 203.328+/-0.025 χ^2/NDF: 4243225.9/63

In: 204.095+/-0.025 χ^2/NDF:2836946.2/52

Out: 209.338+/-0.025 χ^2/NDF:3642567.3/58

All: 206.703+/-0.018 χ^2/NDF: 6501945.8/11

asym_bpm0r03WS_mean vs Slug, Sign Corrected



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

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

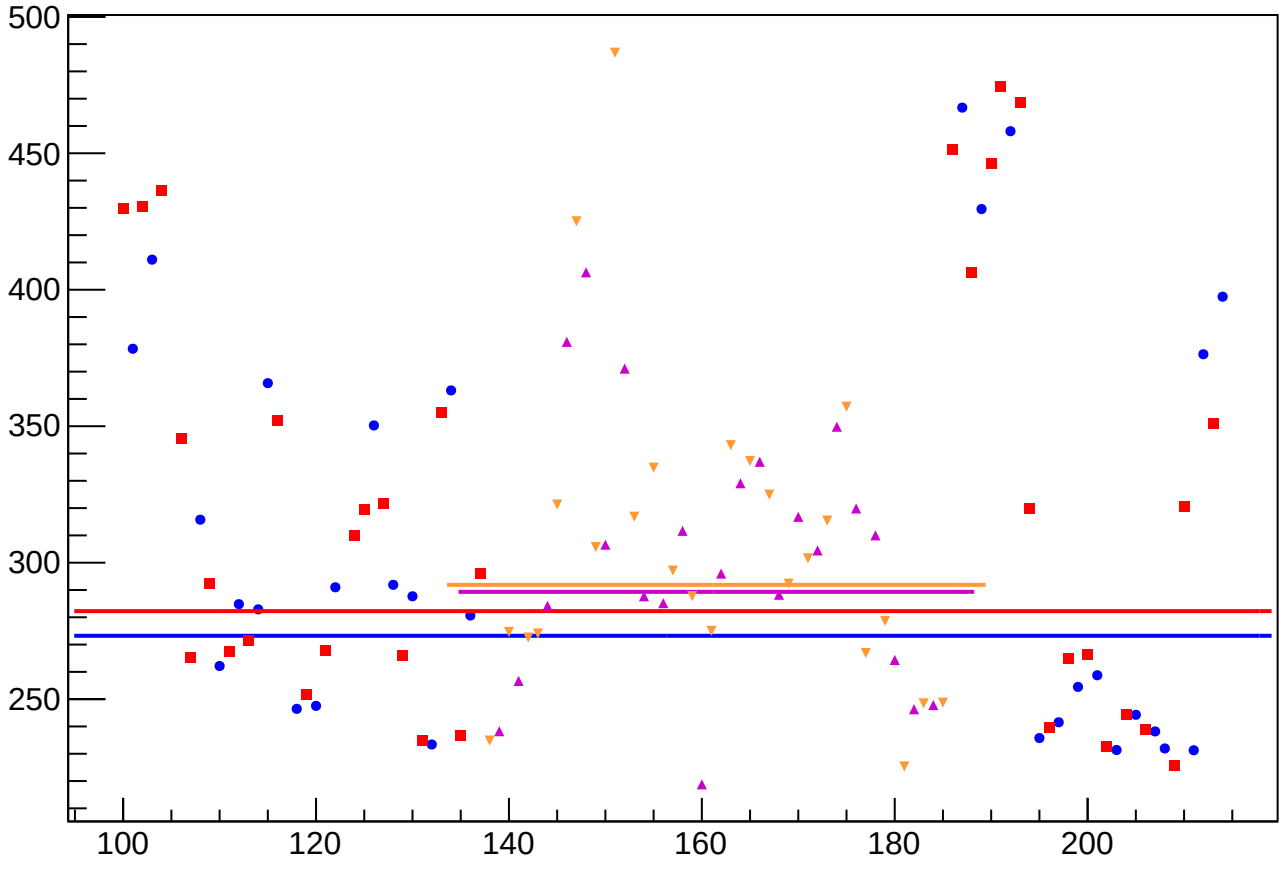
Right: -78.688+/-47.297 χ^2/NDF: 10520.2/63

In: 53.630+/-47.832 χ^2/NDF:5565.2/52

Out: 434.288+/-47.765 χ^2/NDF:6754.4/58

All: 244.223+/-33.798 χ^2/NDF: 12351.3/111

asym_bpm0r03WS_rms vs Slug, Sign Corrected



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

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

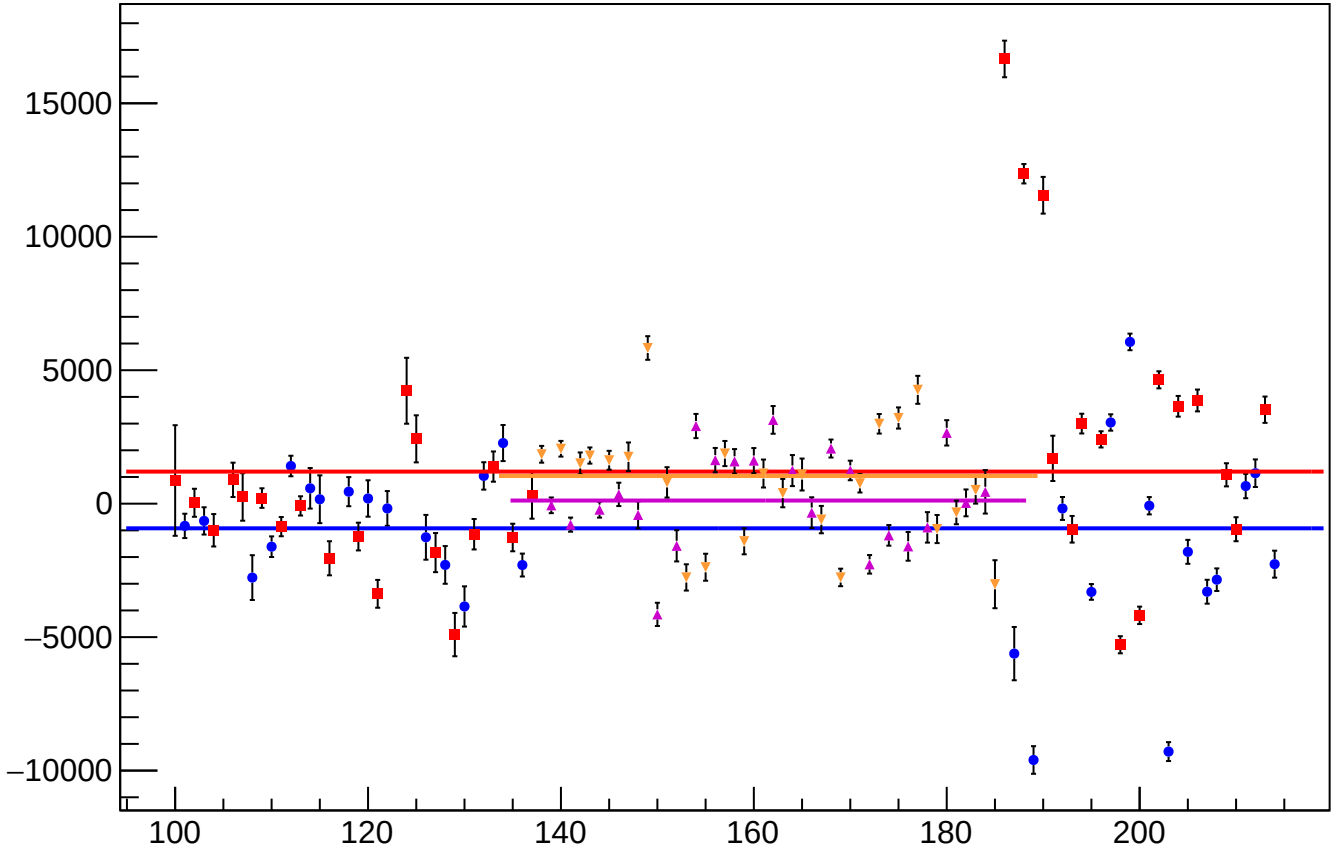
Right: 277.669+/-0.033 χ^2/NDF: 3193051.9/63

In: 280.962+/-0.034 χ^2/NDF:2385502.9/52

Out: 287.049+/-0.034 χ^2/NDF:2634703.8/58

All: 284.009+/-0.024 χ^2/NDF: 5036425.0/11

asym_bpm0r05WS_mean vs Slug, Sign Corrected



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

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

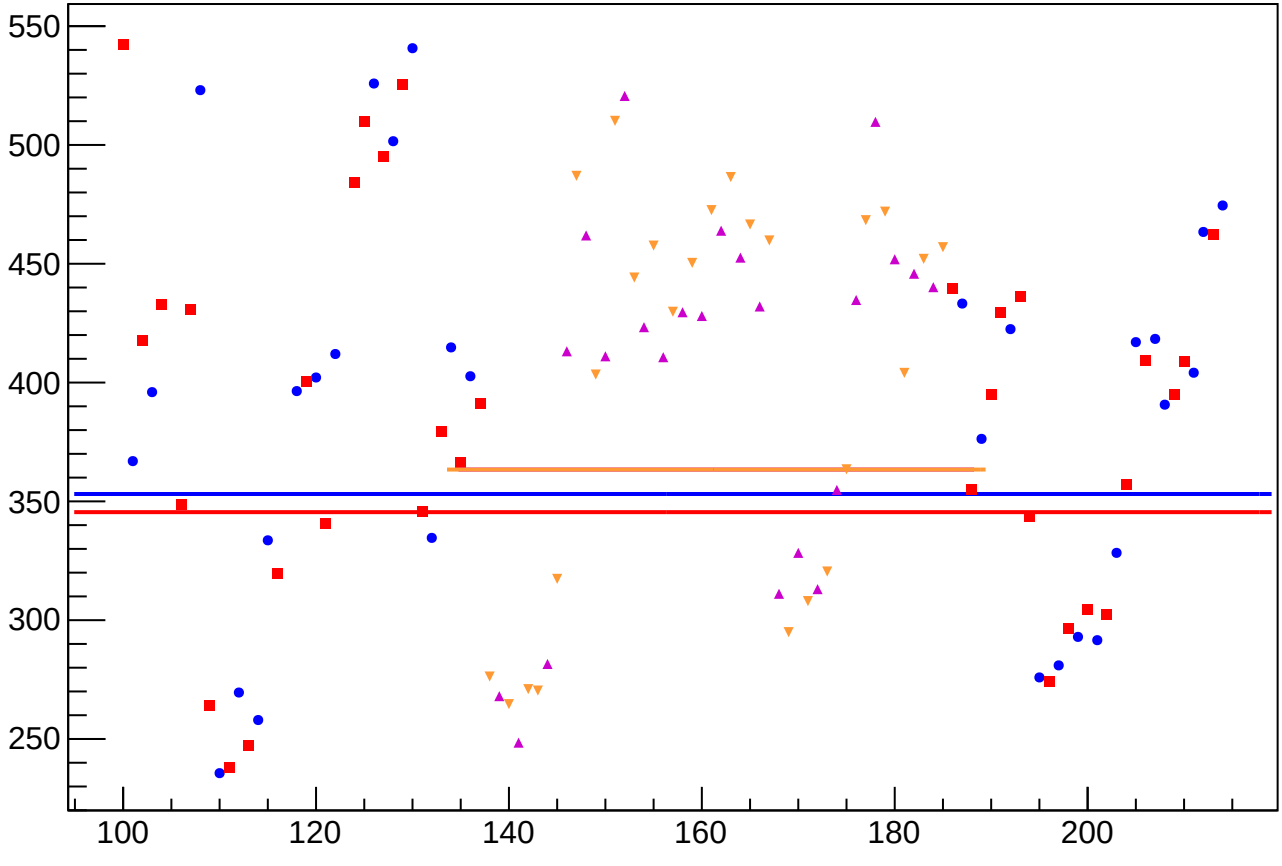
Right: 181.790+/-58.729 χ^2/NDF: 5132.6/63

In: -419.359+/-60.873 χ^2/NDF:2267.3/52

Out: 1123.226+/-58.870 χ^2/NDF:3554.0/58

All: 377.730+/-42.318 χ^2/NDF: 6153.1/111

asym_bpm0r05WS_rms vs Slug, Sign Corrected



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

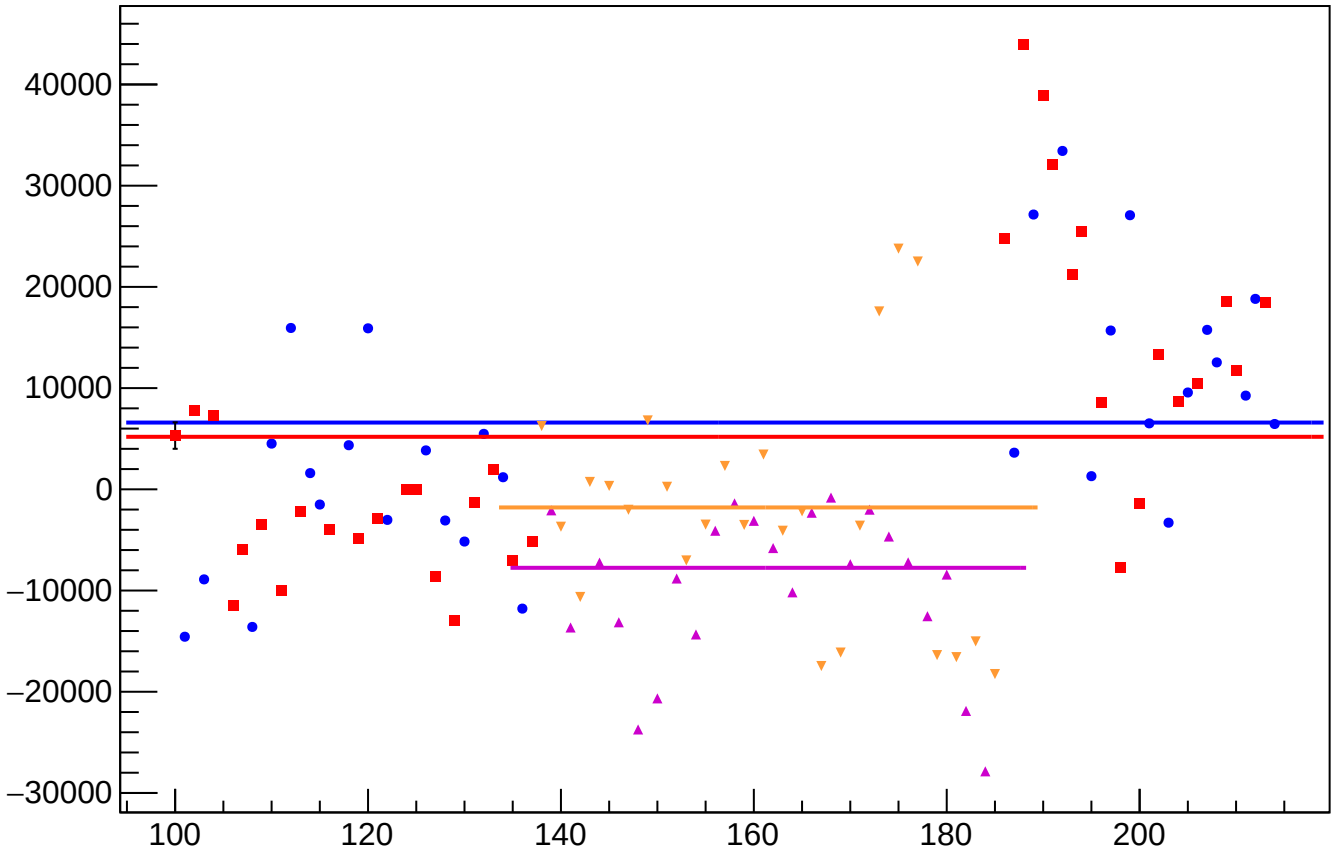
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 349.130+/-0.042 χ^2/NDF: 3051972.6/63

In: 358.083+/-0.043 χ^2/NDF:3321914.2/52

Out: 354.022+/-0.042 χ^2/NDF:3434223.6/58

All: 355.984+/-0.030 χ^2/NDF: 6760738.2/111



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

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

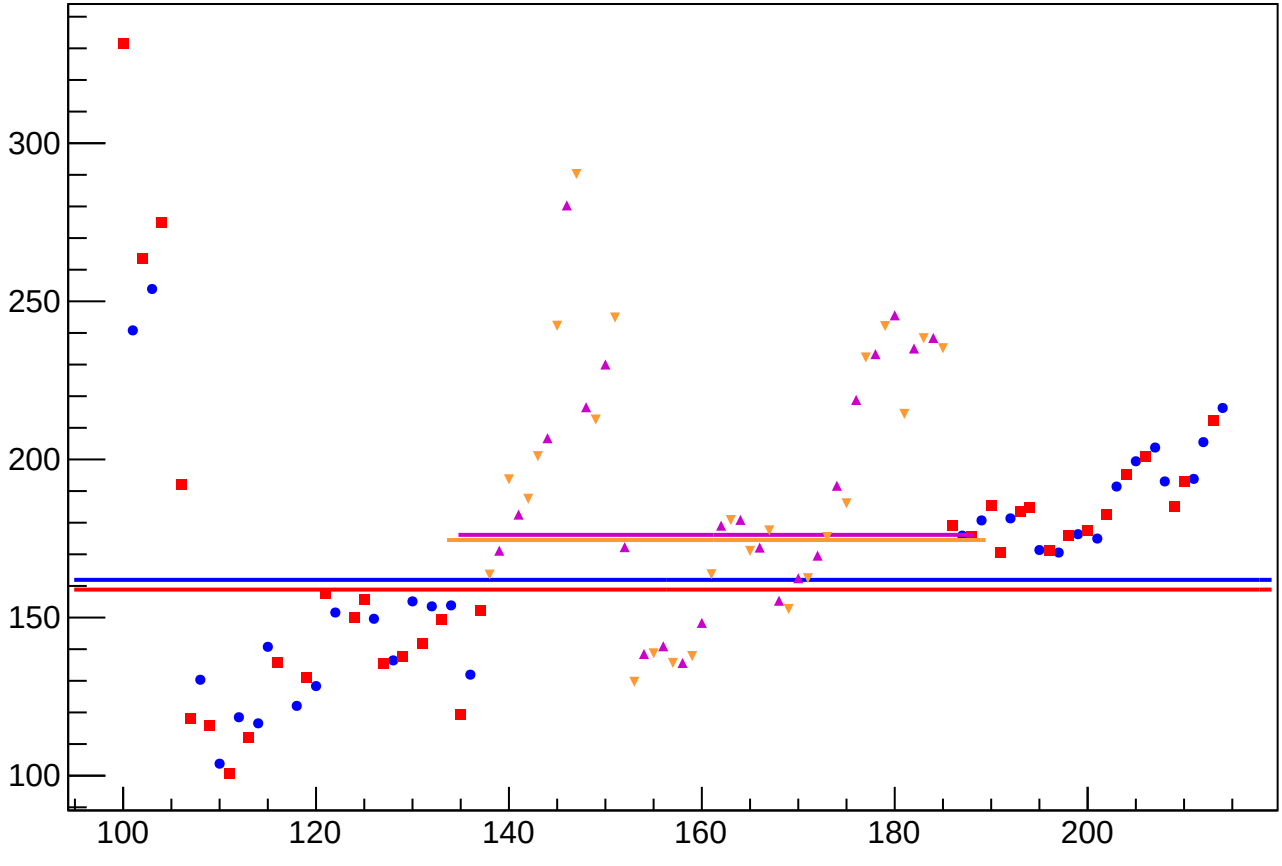
Right: 5866.982+/-27.132 χ^2/NDF: 244376.1/63

In: 32.143+/-28.792 χ^2/NDF:181631.8/52

Out: 1984.382+/-27.720 χ^2/NDF:228495.5/58

All: 1045.276+/-19.969 χ^2/NDF: 412513.3/11

asym_bpm0i02WS_rms vs Slug, Sign Corrected



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

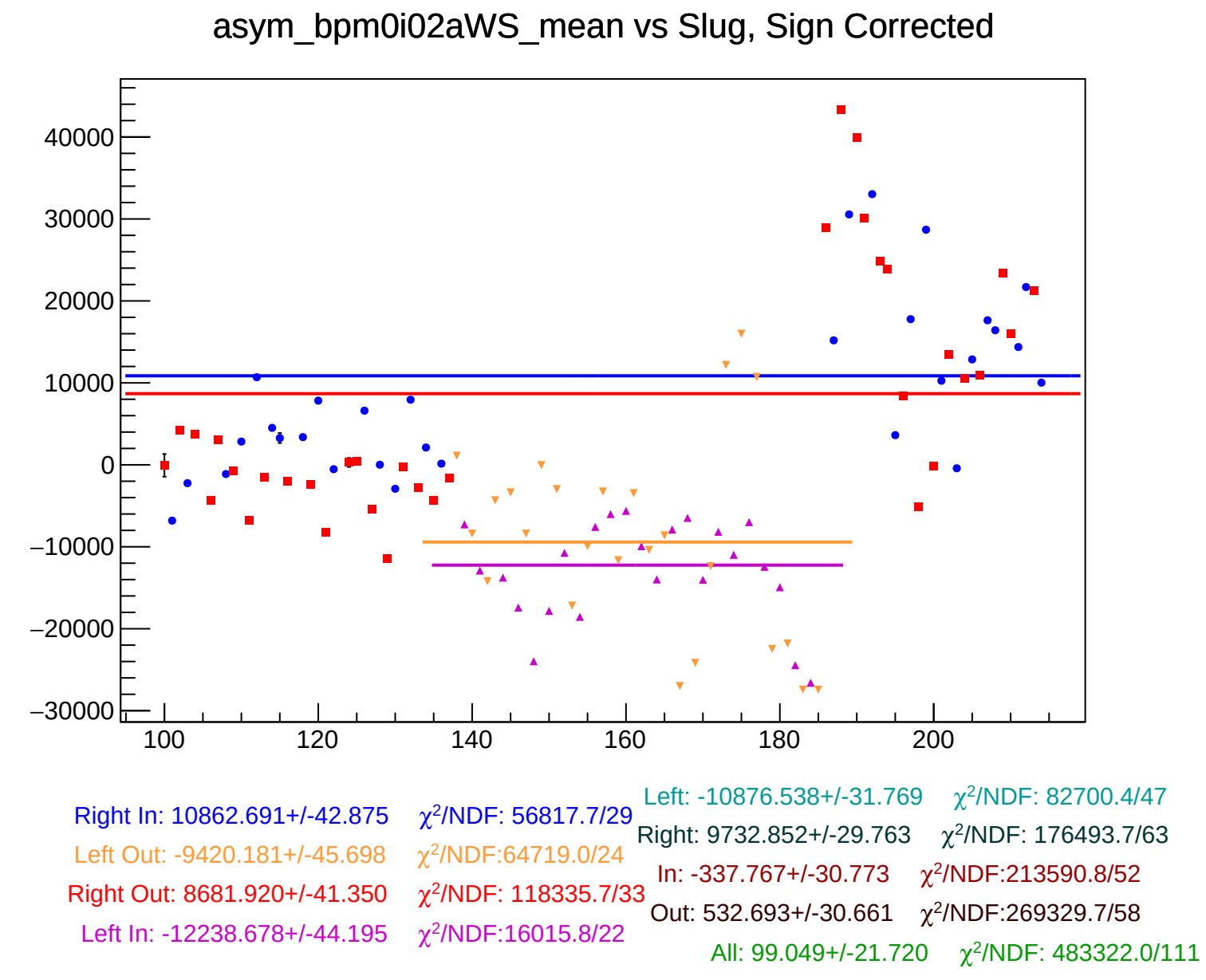
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 160.328+/-0.019 χ^2/NDF: 3376463.9/63

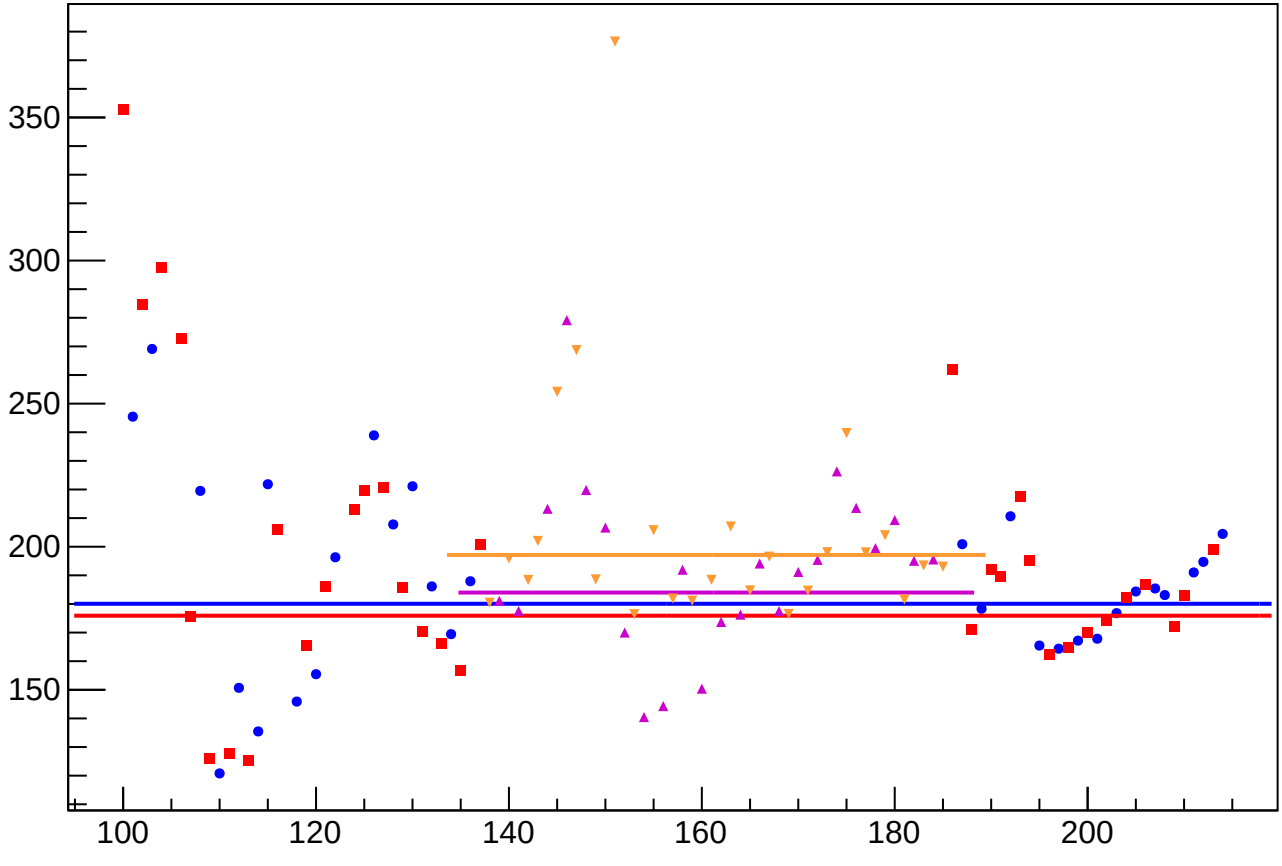
In: 168.434+/-0.020 χ^2/NDF:3028410.7/52

Out: 166.041+/-0.020 χ^2/NDF:3648221.6/58

All: 167.192+/-0.014 χ^2/NDF: 6683804.2/111


asym_bpm0i02aWS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 10862.691+/-42.875 χ²/NDF: 56817.7/29
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: 8681.920+/-41.350 χ²/NDF: 118335.7/33
Left In: -12238.678+/-44.195 χ²/NDF:16015.8/22
Left: -10876.538+/-31.769 χ²/NDF: 82700.4/47
Right: 9732.852+/-29.763 χ²/NDF: 176493.7/63
In: -337.767+/-30.773 χ²/NDF:213590.8/52
Out: 532.693+/-30.661 χ²/NDF:269329.7/58
All: 99.049+/-21.720 χ²/NDF: 483322.0/111

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



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

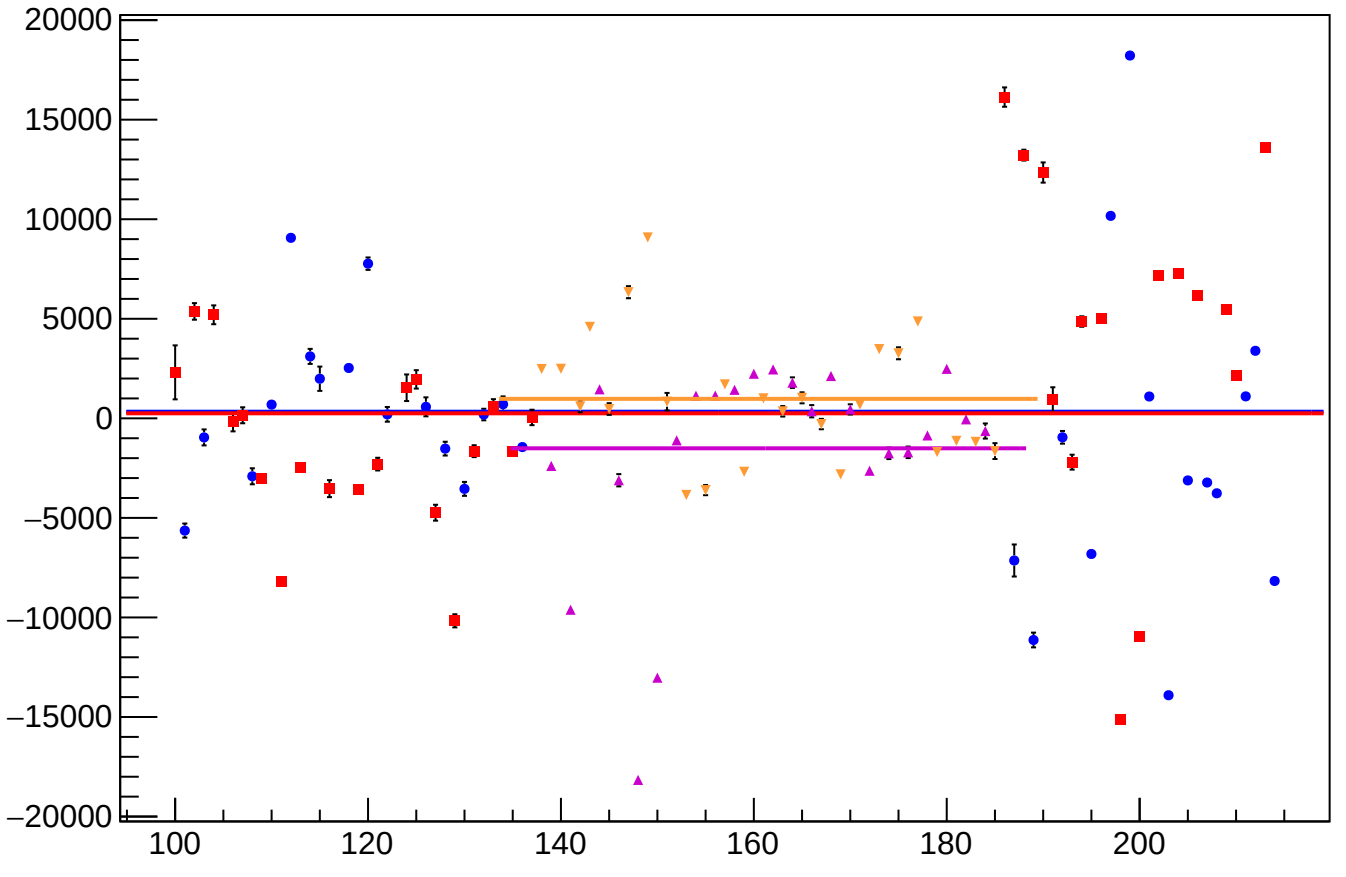
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 177.905+/-0.021 χ^2/NDF: 2056799.2/63

In: 181.965+/-0.022 χ^2/NDF:1649539.7/52

Out: 185.453+/-0.022 χ^2/NDF:2205107.9/58

All: 183.715+/-0.015 χ^2/NDF: 3867536.3/11



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

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

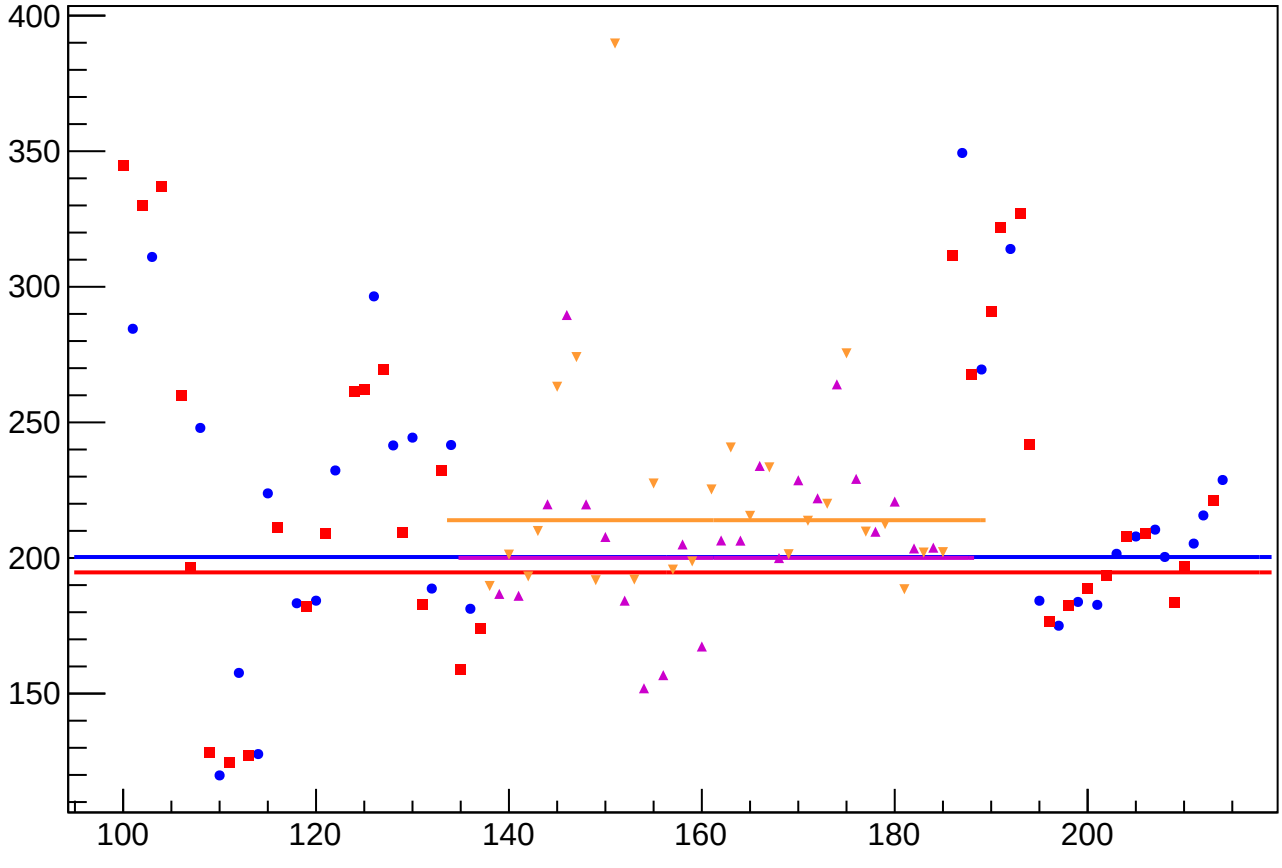
Right: 290.676+/-33.450 χ^2/NDF: 48223.0/63

In: -588.104+/-34.008 χ^2/NDF:35081.9/52

Out: 591.804+/-33.932 χ^2/NDF:29787.1/58

All: 3.177+/-24.020 χ^2/NDF: 65472.2/111

asym_bpm0i05WS_rms vs Slug, Sign Corrected



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

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

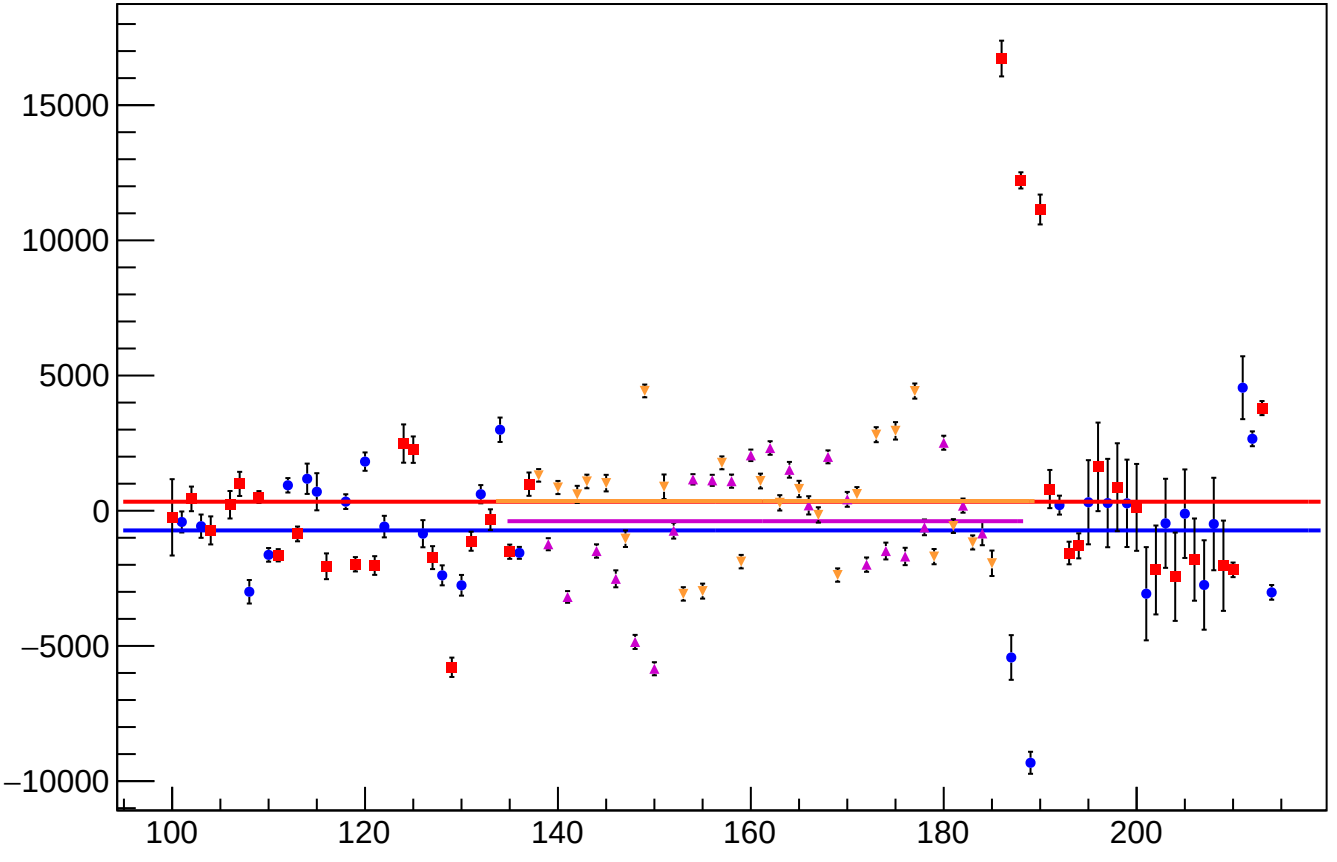
Right: 197.424+/-0.024 χ^2/NDF: 3793189.6/63

In: 200.192+/-0.024 χ^2/NDF:2277493.1/52

Out: 203.692+/-0.024 χ^2/NDF:3180721.9/58

All: 201.946+/-0.017 χ^2/NDF: 5468829.9/111

asym_bpm0i07WS_mean vs Slug, Sign Corrected



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

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

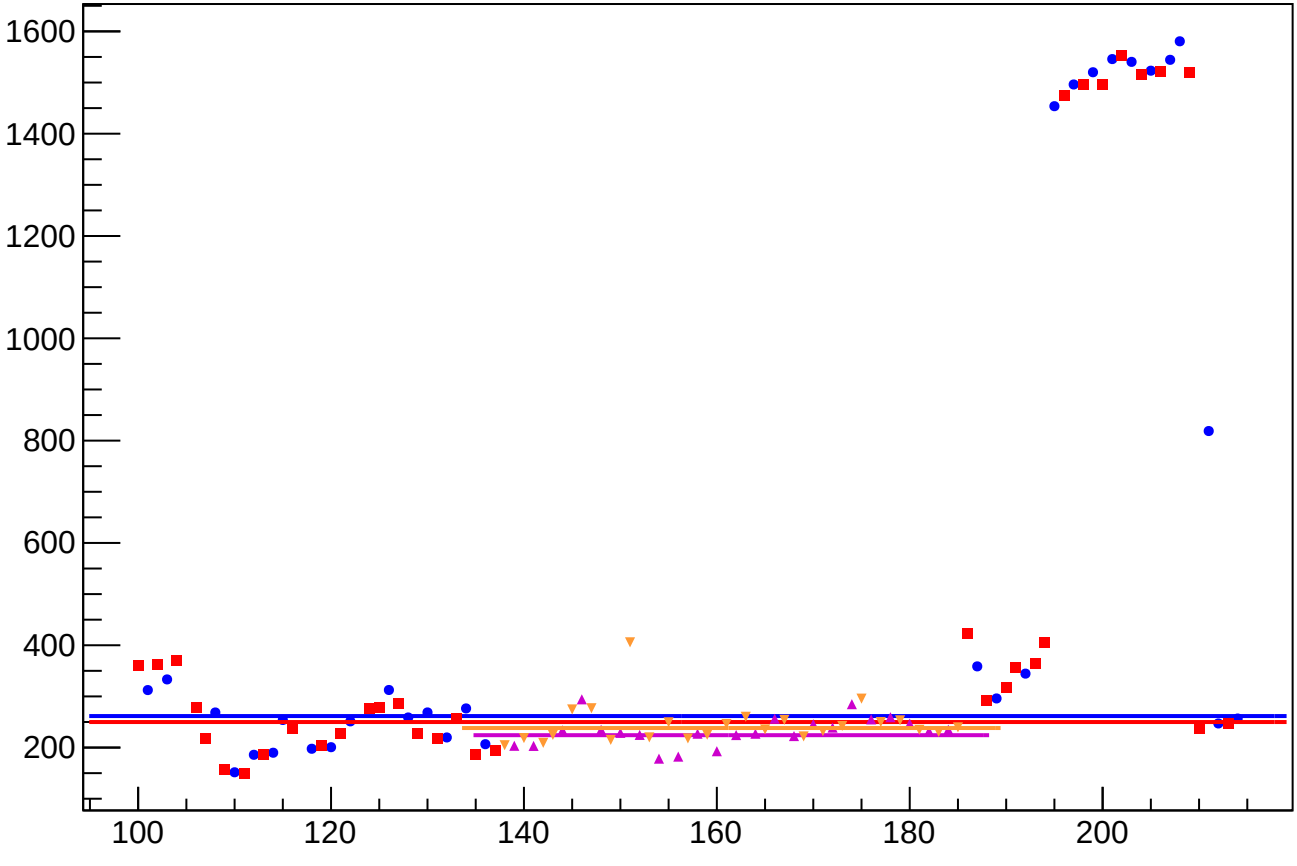
Right: -151.662+/-50.506 χ^2/NDF: 4699.1/63

In: -502.652+/-43.513 χ^2/NDF:2864.6/52

Out: 348.797+/-42.892 χ^2/NDF:4961.7/58

All: -70.814+/-30.547 χ^2/NDF: 8020.5/111

asym_bpm0i07WS_rms vs Slug, Sign Corrected



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

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

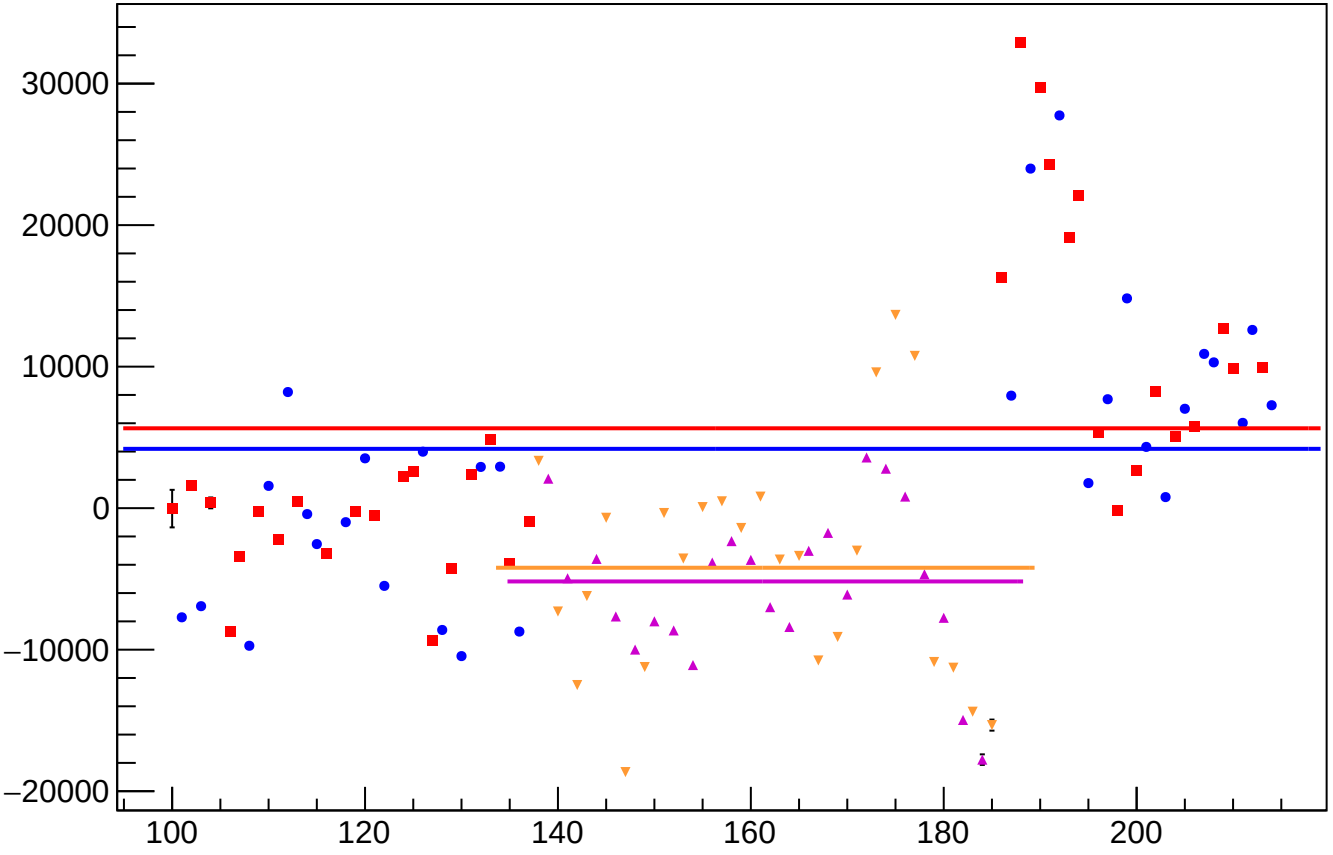
Right: 255.255+/-0.036 χ^2/NDF: 21616159.4/63

In: 236.893+/-0.031 χ^2/NDF:11953821.0/52

Out: 242.788+/-0.030 χ^2/NDF:11133445.3/58

All: 239.883+/-0.022 χ^2/NDF: 23105879.6/11

asym_bpm1i02WS_mean vs Slug, Sign Corrected



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

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

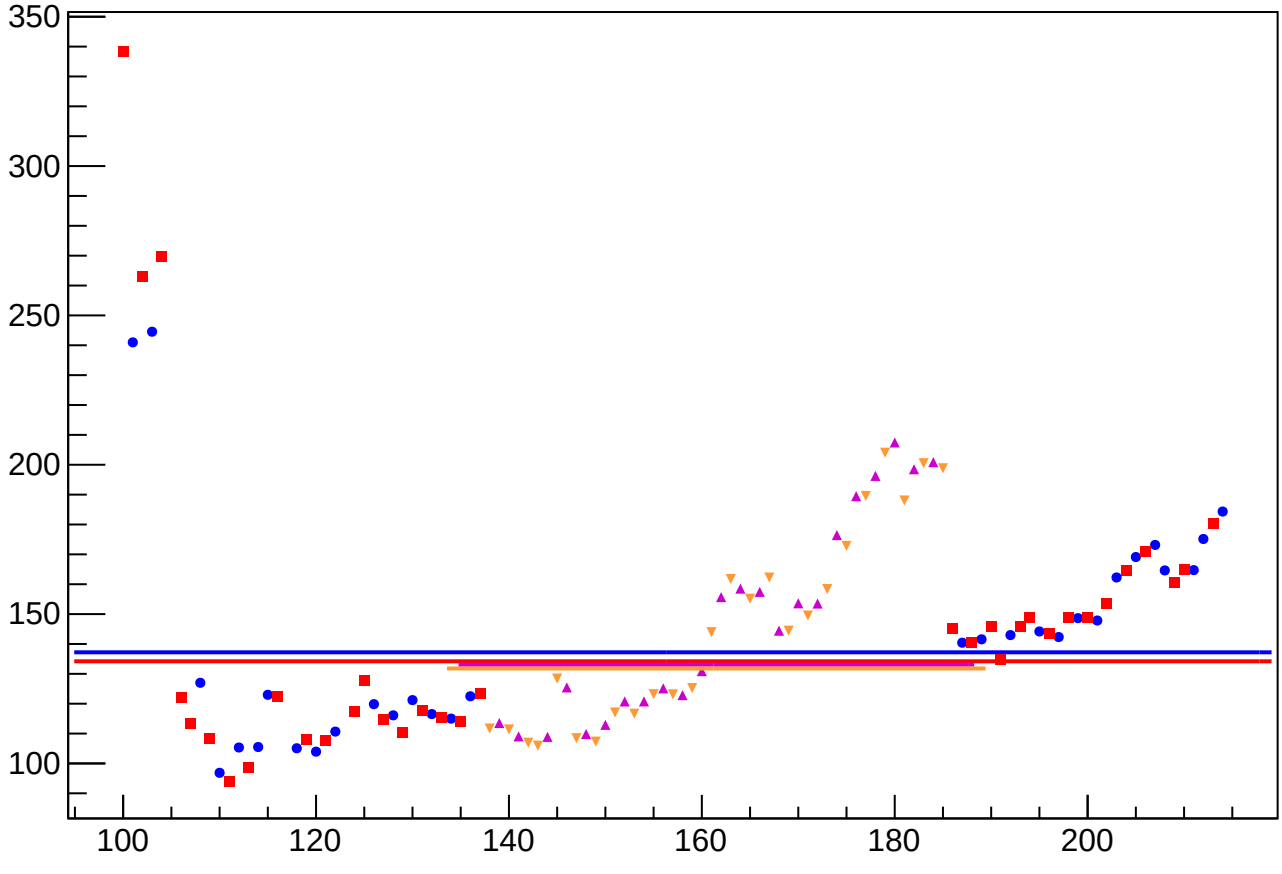
Right: 4947.819+/-22.973 χ^2/NDF: 188554.6/63

In: -668.783+/-23.025 χ^2/NDF:141612.0/52

Out: 558.754+/-22.145 χ^2/NDF:212082.0/58

All: -31.104+/-15.961 χ^2/NDF: 355170.5/111

asym_bpm1i02WS_rms vs Slug, Sign Corrected



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

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

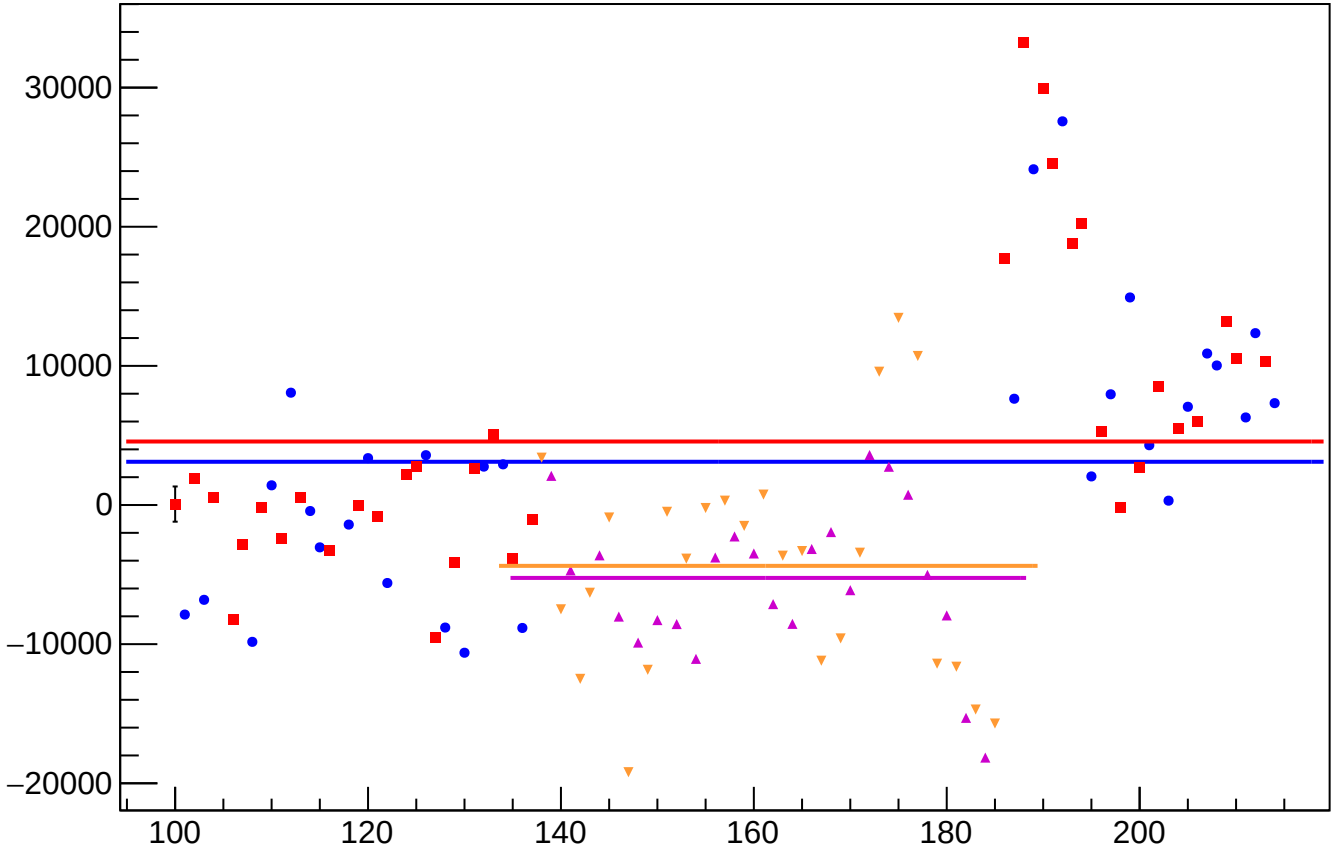
Right: 135.638+/-0.016 χ^2/NDF: 3240123.5/63

In: 135.057+/-0.016 χ^2/NDF:2978019.9/52

Out: 132.957+/-0.016 χ^2/NDF:3238145.9/58

All: 133.966+/-0.011 χ^2/NDF: 6224806.0/111

asym_bpm1i04WS_mean vs Slug, Sign Corrected



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

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

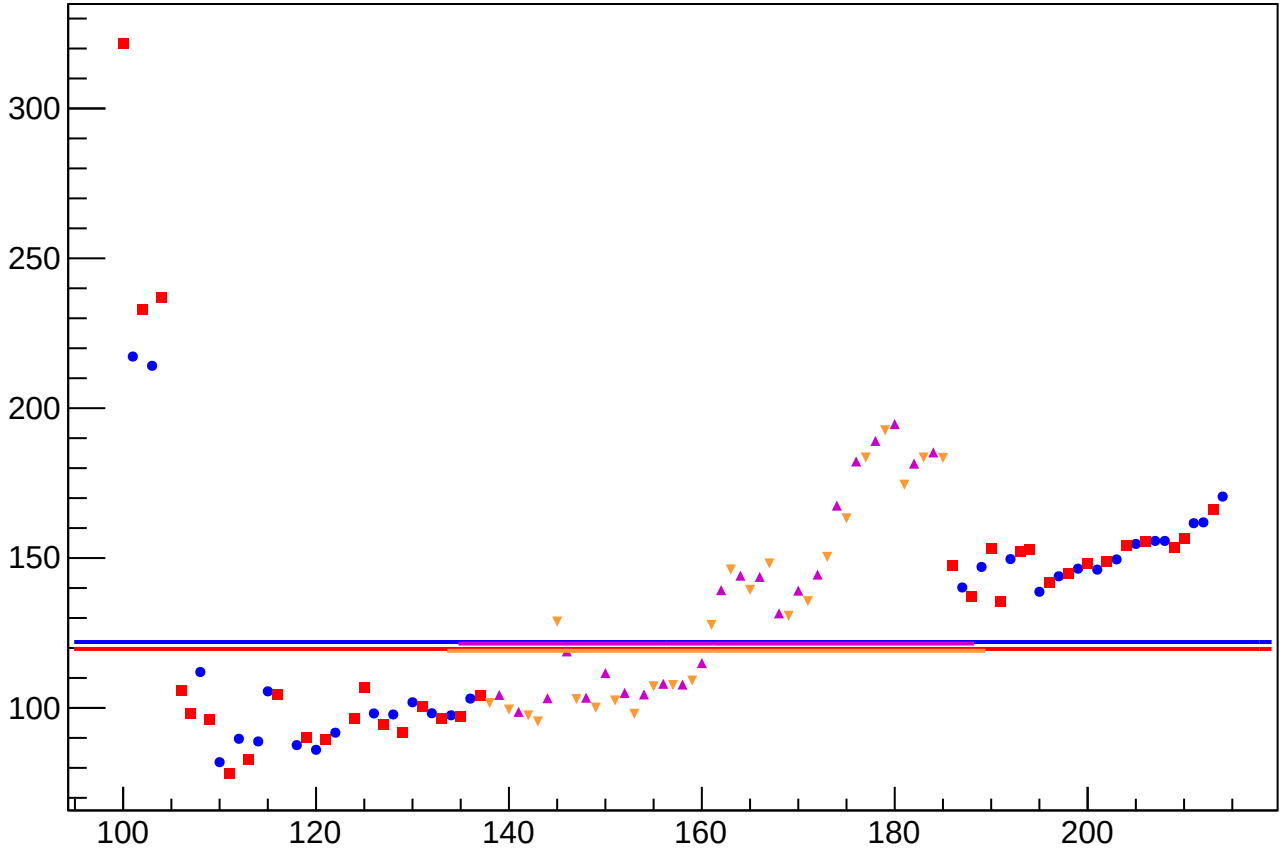
Right: 3863.159+/-20.756 χ^2/NDF: 209749.8/63

In: -1159.444+/-20.914 χ^2/NDF:154371.8/52

Out: -40.883+/-20.067 χ^2/NDF:232986.4/58

All: -577.053+/-14.480 χ^2/NDF: 388847.5/11

asym_bpm1i04WS_rms vs Slug, Sign Corrected



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

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

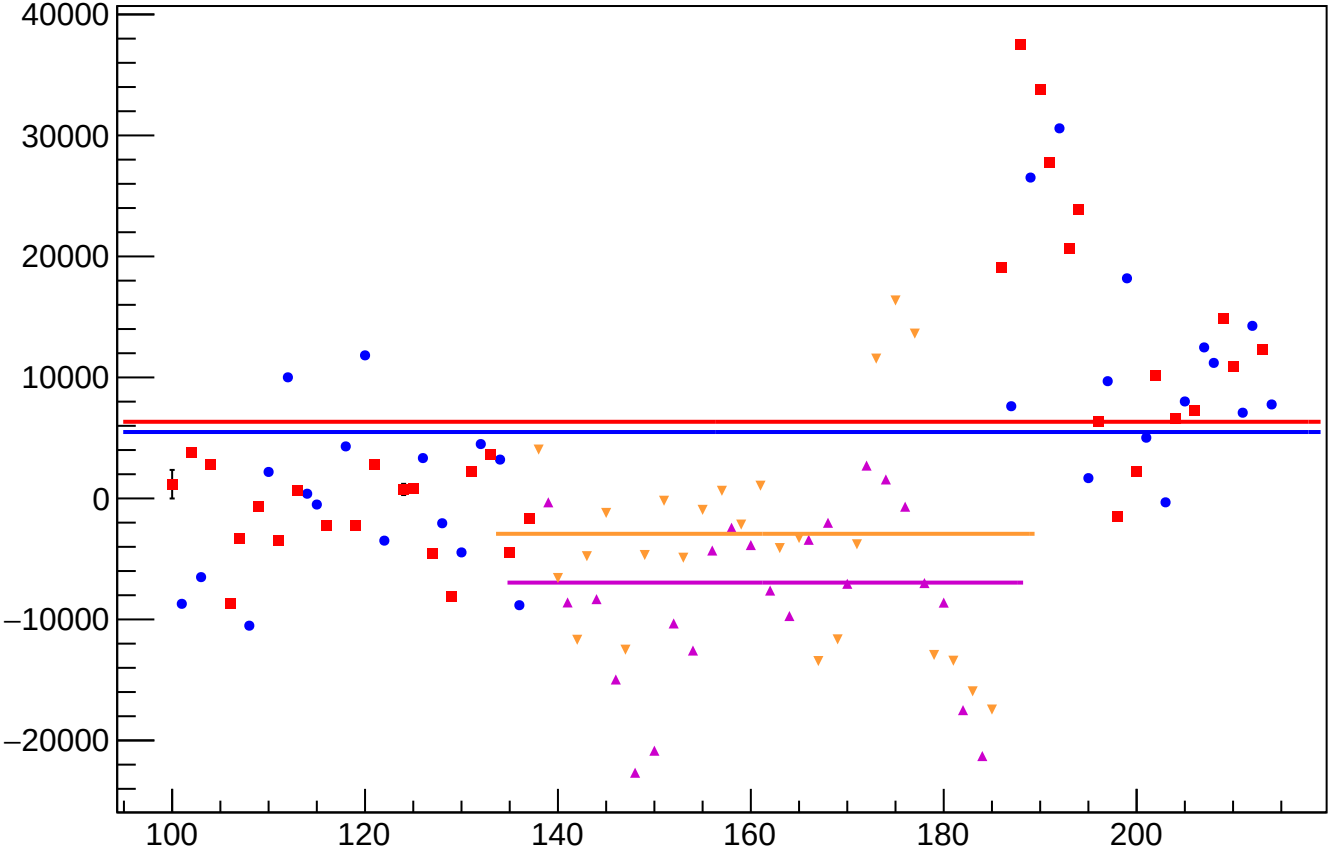
Right: 120.790+/-0.015 χ^2/NDF: 4943738.7/63

In: 121.722+/-0.015 χ^2/NDF:3865254.3/52

Out: 119.361+/-0.014 χ^2/NDF:4357874.2/58

All: 120.493+/-0.010 χ^2/NDF: 8236401.8/11

asym_bpm1i06WS_mean vs Slug, Sign Corrected



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

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

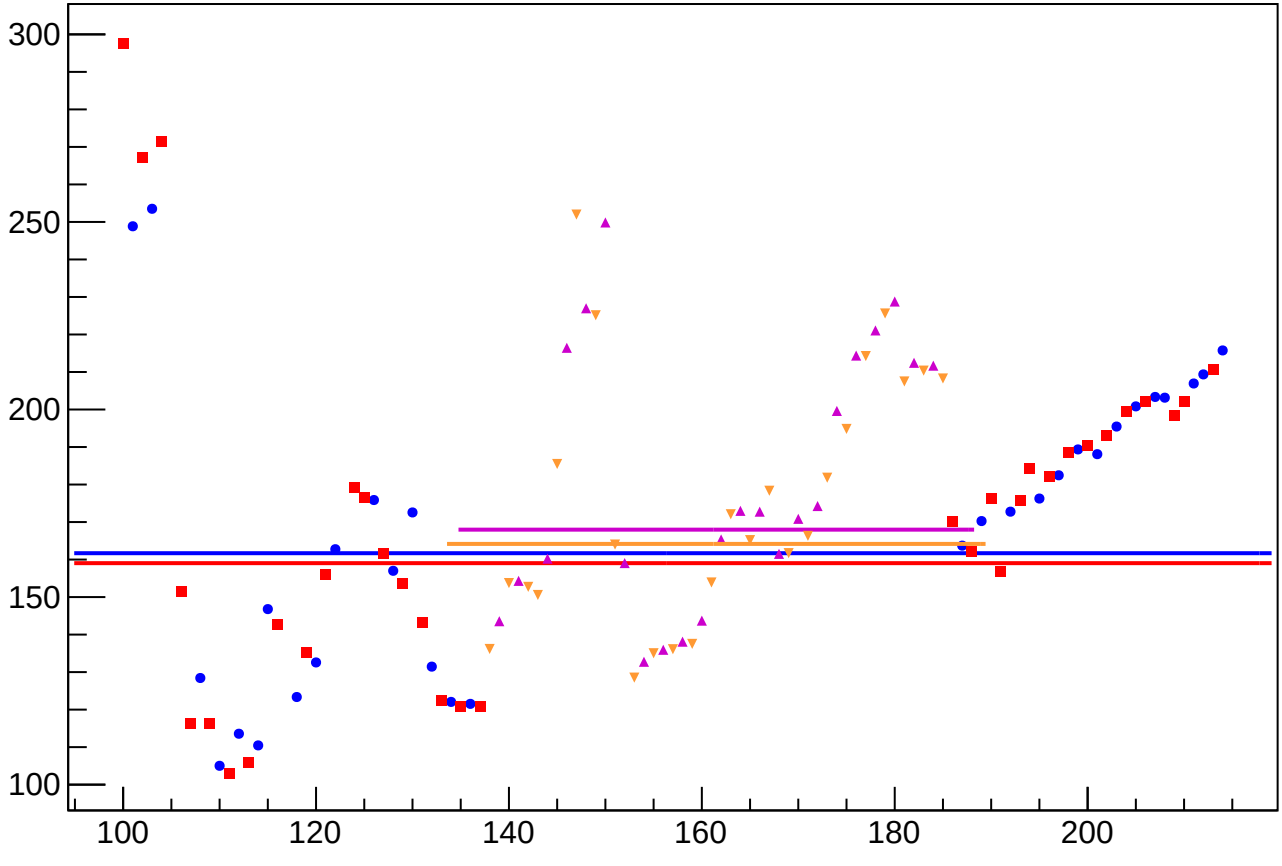
Right: 5926.867+/-27.225 χ^2/NDF: 160597.9/63

In: -570.964+/-28.082 χ^2/NDF:136323.2/52

Out: 1748.497+/-26.876 χ^2/NDF:163156.7/58

All: 639.631+/-19.417 χ^2/NDF: 303040.5/111

asym_bpm1i06WS_rms vs Slug, Sign Corrected



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

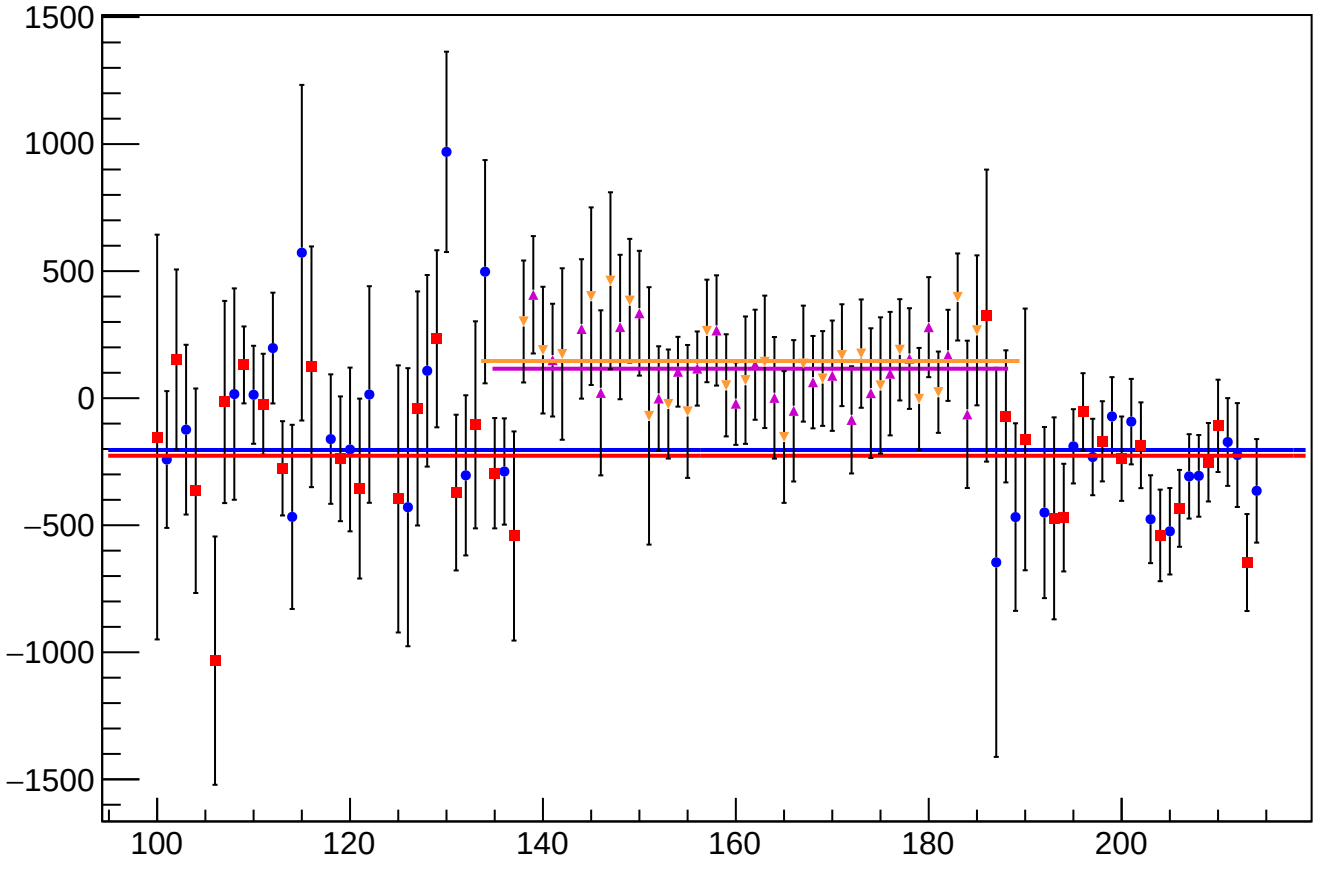
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 160.323+/-0.019 χ^2/NDF: 3901472.5/63

In: 164.754+/-0.020 χ^2/NDF:3141007.7/52

Out: 161.584+/-0.019 χ^2/NDF:3246054.7/58

All: 163.099+/-0.014 χ^2/NDF: 6400361.5/11



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

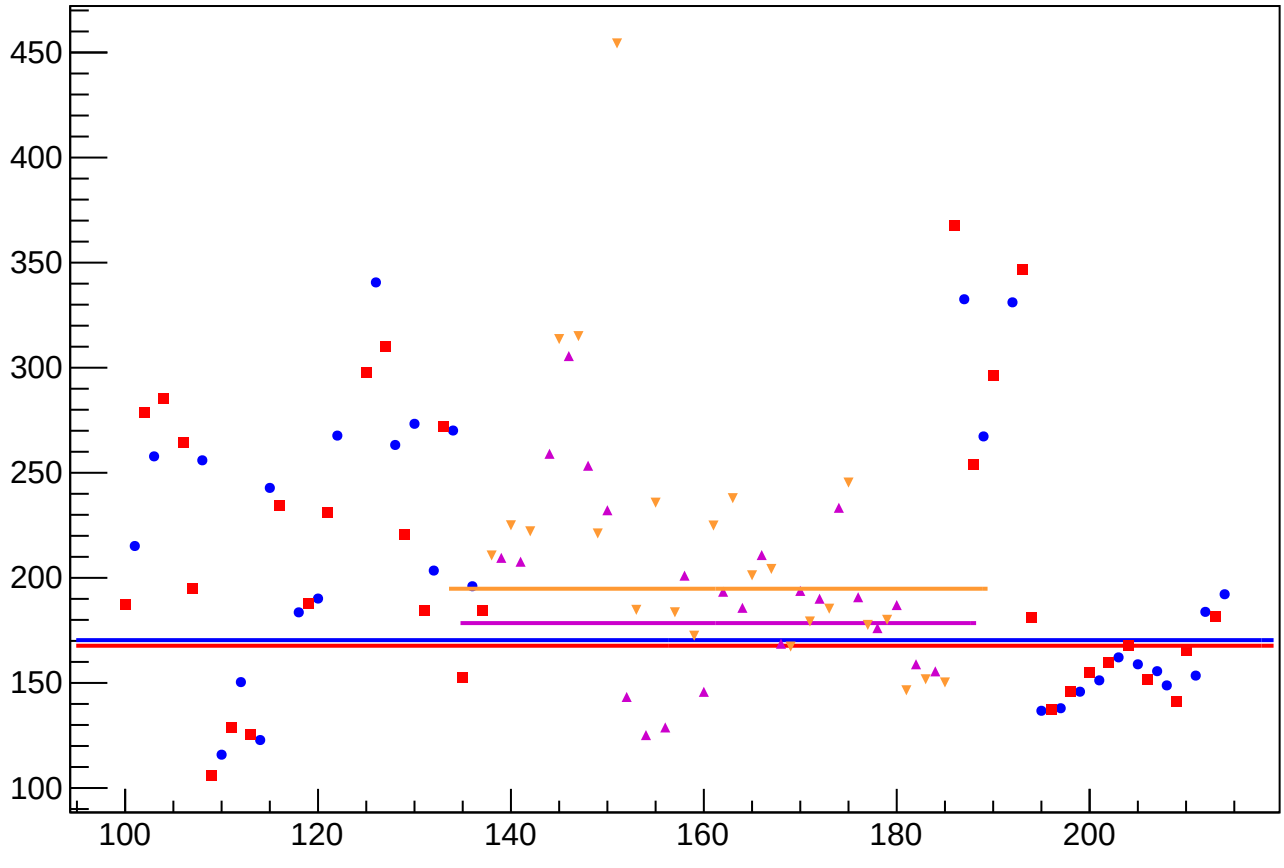
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -215.278+/-29.171 χ^2/NDF: 59.3/61

In: -52.106+/-30.037 χ^2/NDF:65.7/52

Out: -64.752+/-30.909 χ^2/NDF:75.0/55

All: -58.248+/-21.541 χ^2/NDF: 140.8/108



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

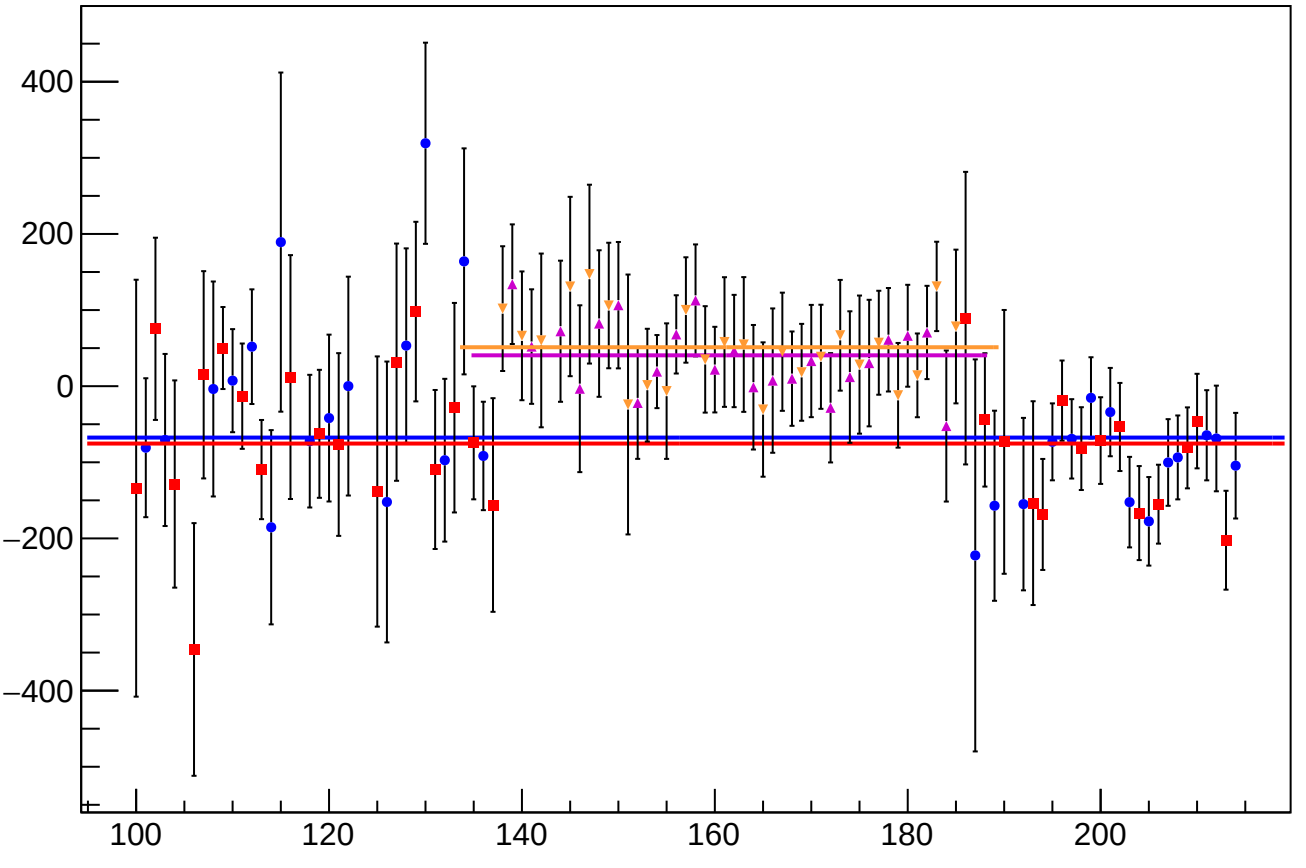
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 169.023+/-0.021 χ^2/NDF: 5137720.9/61

In: 174.214+/-0.021 χ^2/NDF:4022973.3/52

Out: 179.470+/-0.022 χ^2/NDF:4953999.4/55

All: 176.767+/-0.015 χ^2/NDF: 9006712.3/108



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

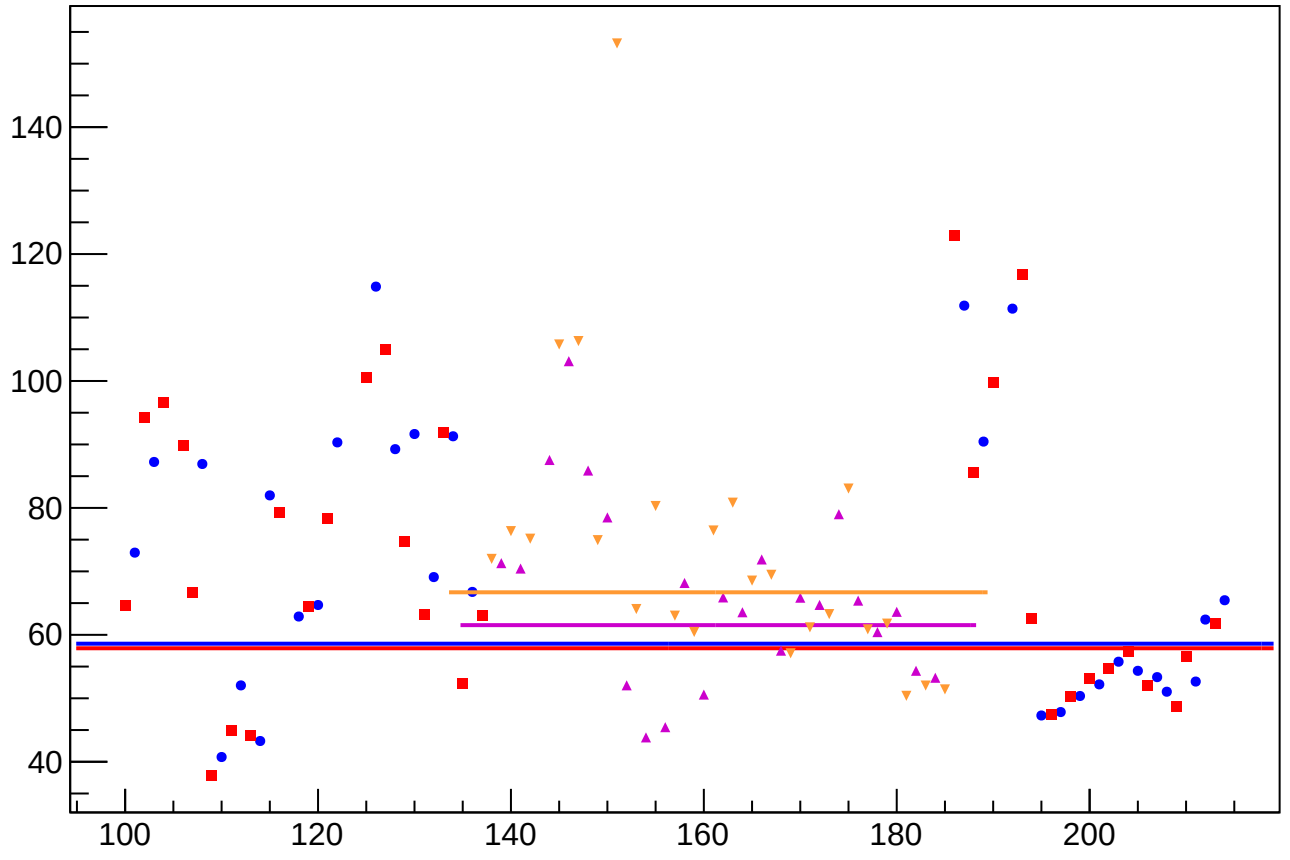
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -71.482+/-10.021 χ^2/NDF: 55.9/61

In: -16.302+/-10.312 χ^2/NDF:63.2/52

Out: -20.096+/-10.600 χ^2/NDF:71.0/55

All: -18.147+/-7.391 χ^2/NDF: 134.2/108



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

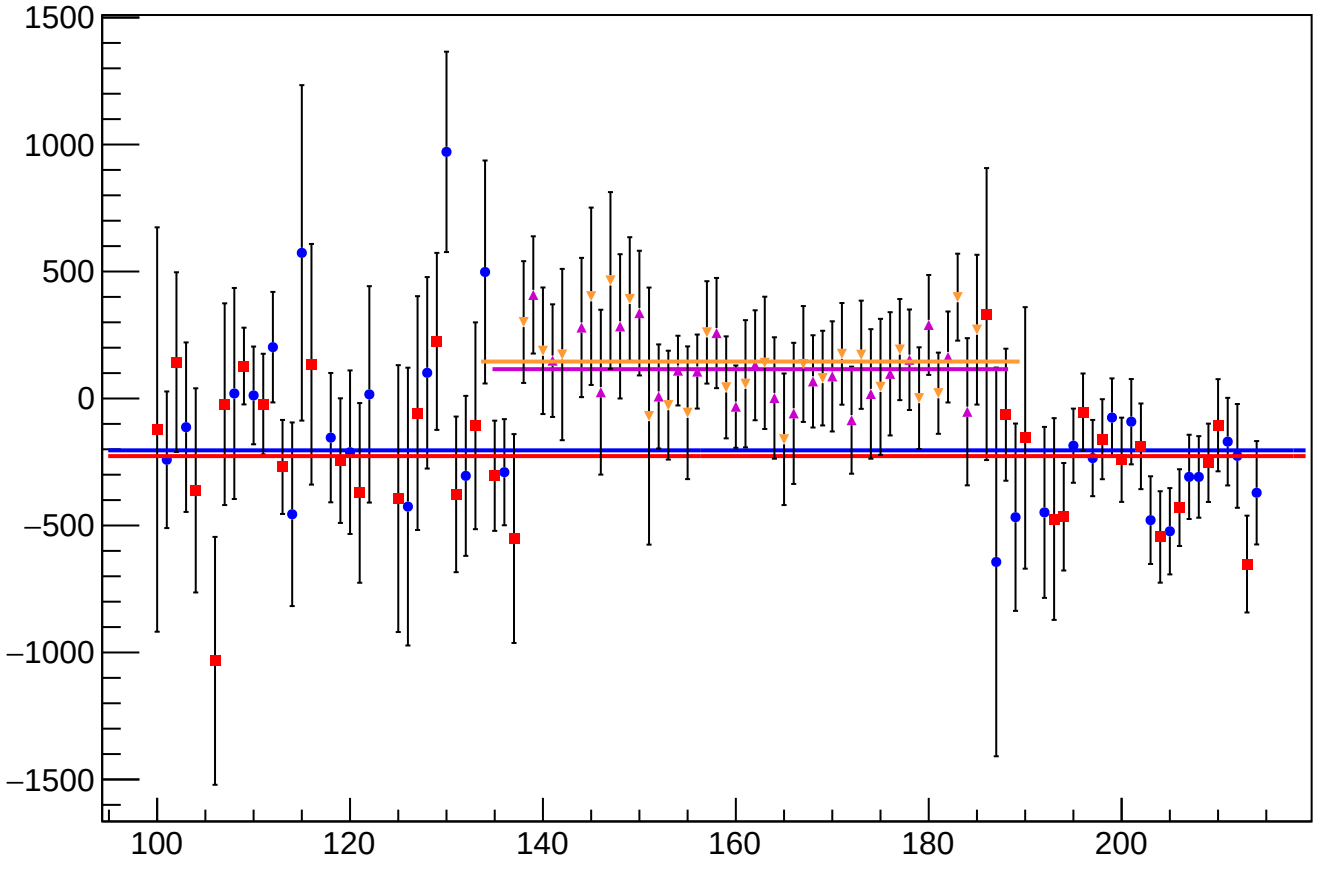
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 58.242+/-0.007 χ^2/NDF: 4791188.1/61

In: 59.991+/-0.007 χ^2/NDF:3693823.7/52

Out: 61.737+/-0.007 χ^2/NDF:4641651.9/55

All: 60.840+/-0.005 χ^2/NDF: 8363367.8/108



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

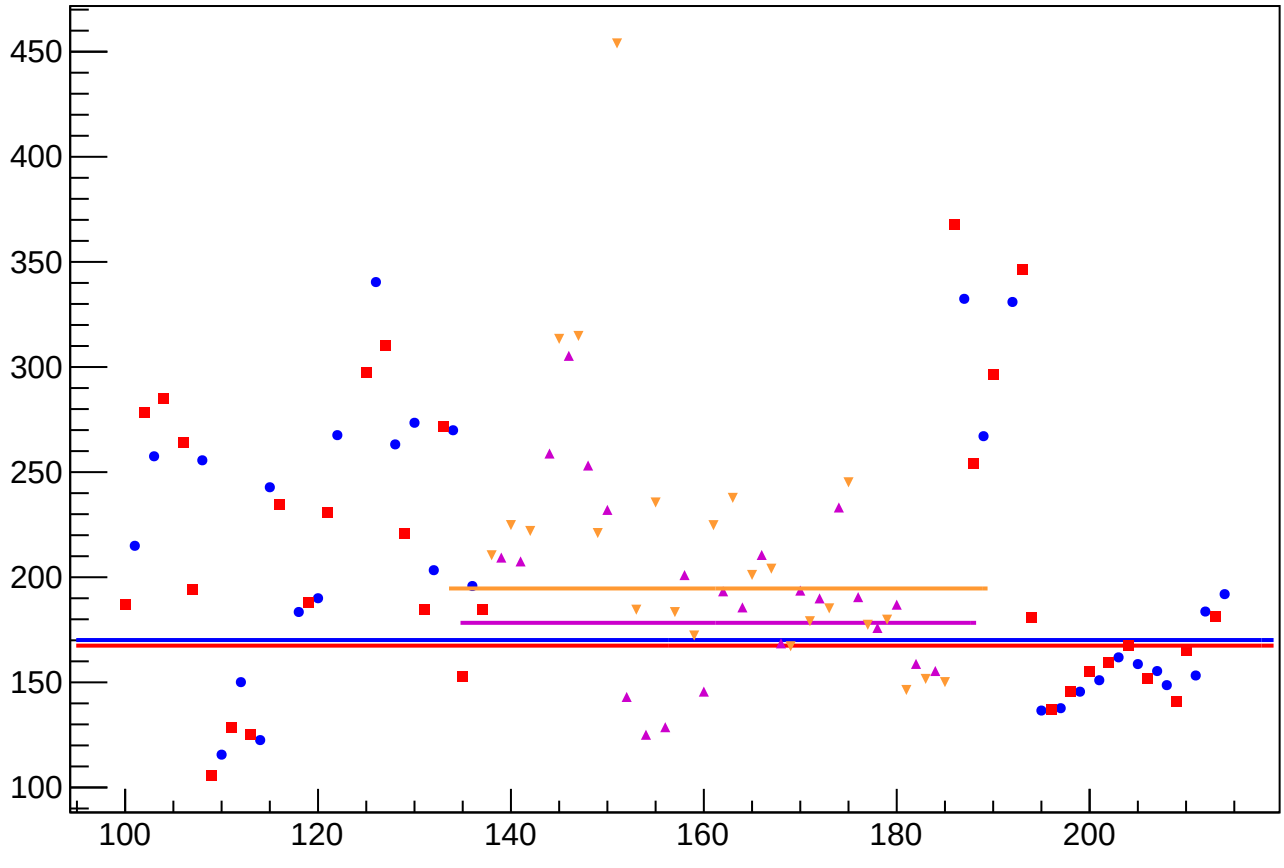
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -215.565+/-29.134 χ^2/NDF: 59.7/61

In: -52.533+/-30.005 χ^2/NDF:66.1/52

Out: -65.394+/-30.875 χ^2/NDF:75.5/55

All: -58.780+/-21.518 χ^2/NDF: 141.6/108



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

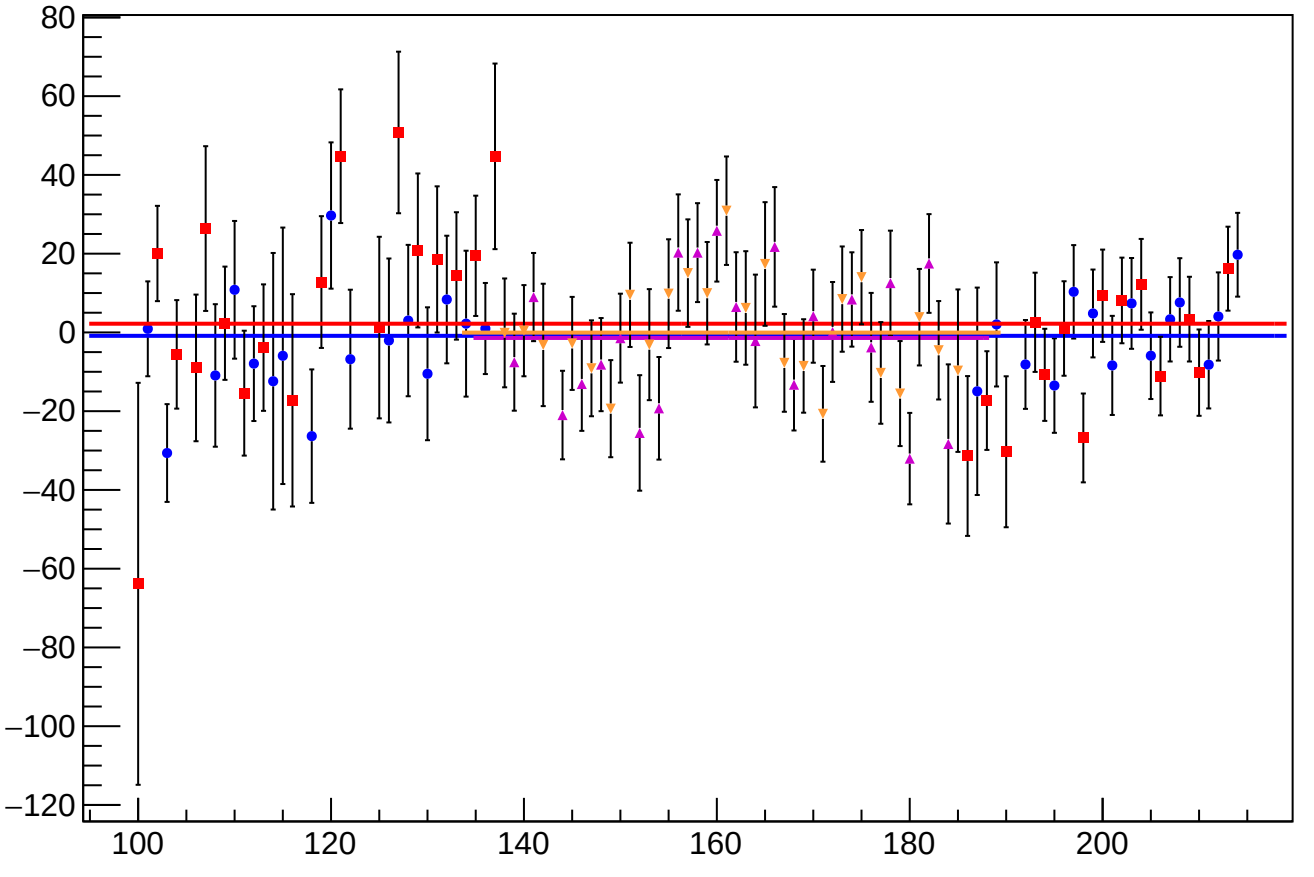
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 168.790+/-0.021 χ^2/NDF: 5152702.9/61

In: 174.016+/-0.021 χ^2/NDF:4032335.3/52

Out: 179.258+/-0.022 χ^2/NDF:4965667.5/55

All: 176.562+/-0.015 χ^2/NDF: 9027658.1/108



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

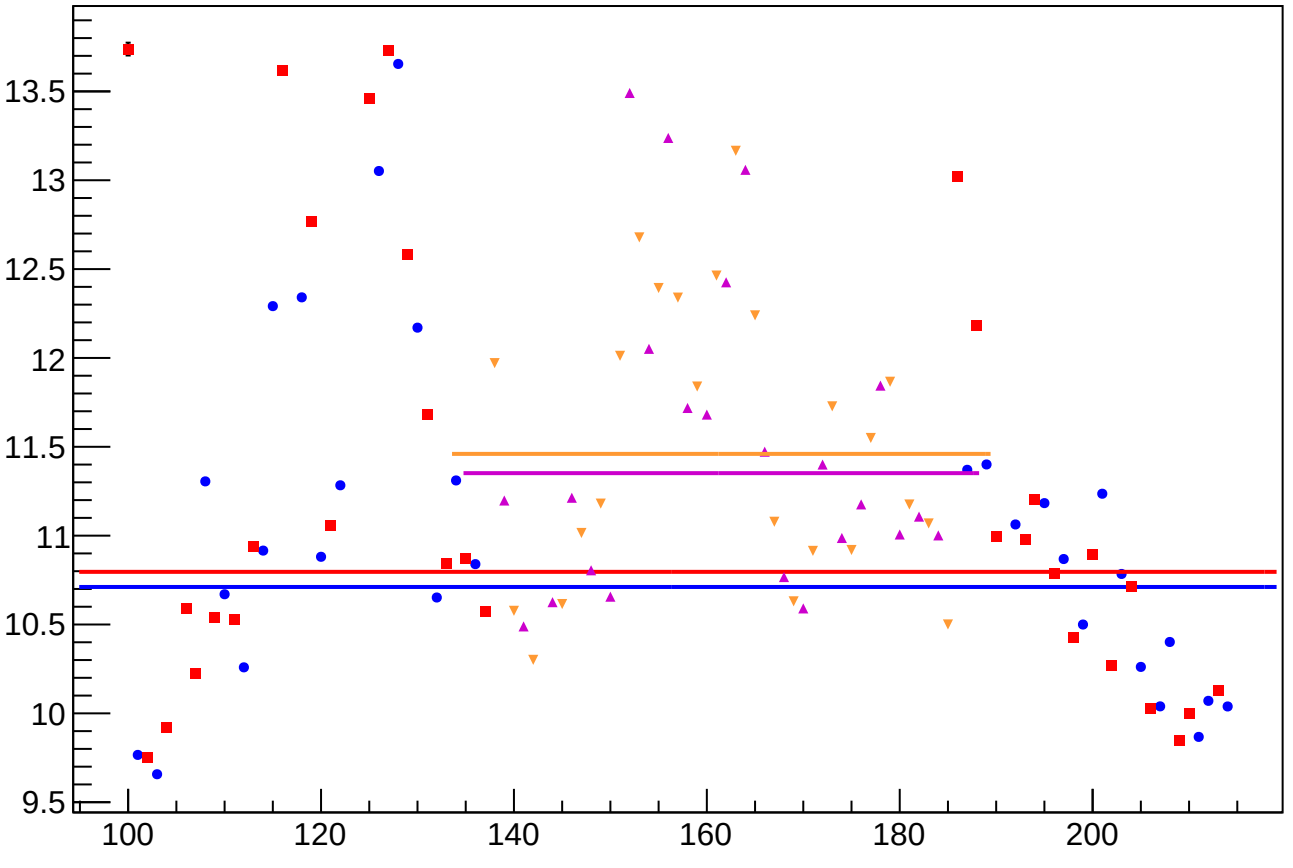
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: 0.671+/-1.782 χ^2/NDF: 71.6/61

In: -1.120+/-1.833 χ^2/NDF:58.2/52

Out: 1.153+/-1.838 χ^2/NDF:69.8/55

All: 0.014+/-1.298 χ^2/NDF: 128.8/108



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

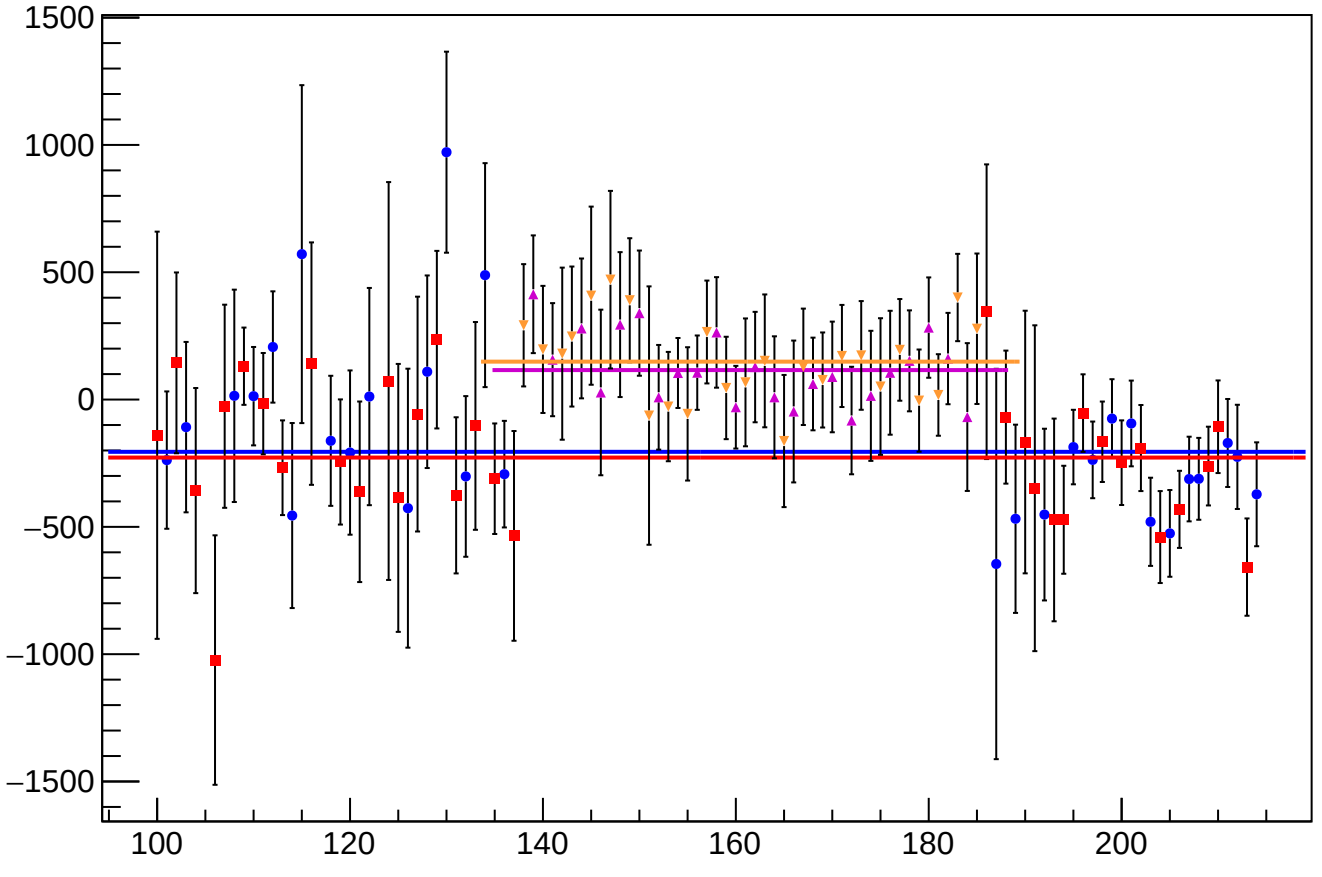
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.754+/-0.001 χ^2/NDF: 477294.6/61

In: 11.012+/-0.001 χ^2/NDF:430791.6/52

Out: 11.107+/-0.001 χ^2/NDF:492142.5/55

All: 11.060+/-0.001 χ^2/NDF: 925606.8/108



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

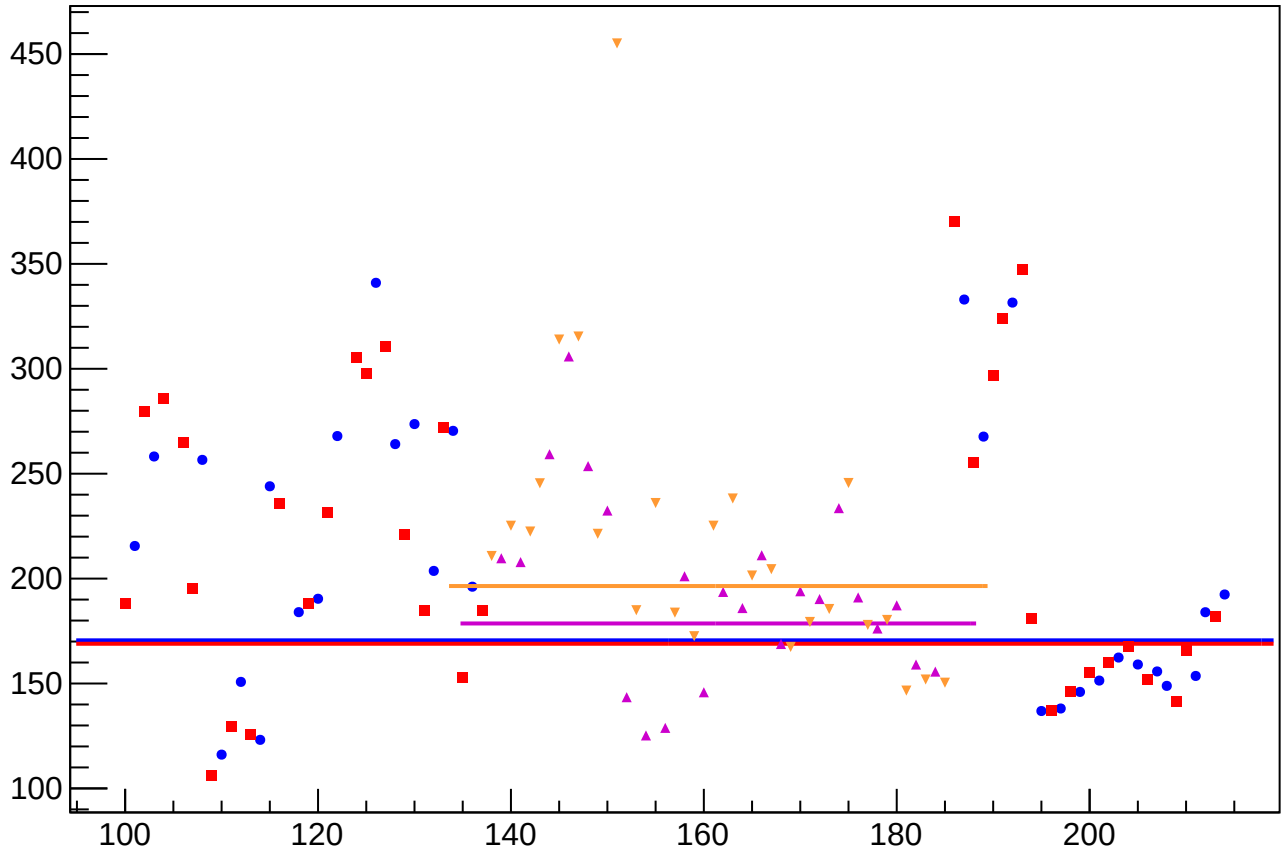
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -216.672+/-29.160 χ^2/NDF: 60.0/63

In: -52.906+/-30.068 χ^2/NDF:66.3/52

Out: -62.283+/-30.694 χ^2/NDF:77.4/58

All: -57.497+/-21.479 χ^2/NDF: 143.7/111



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

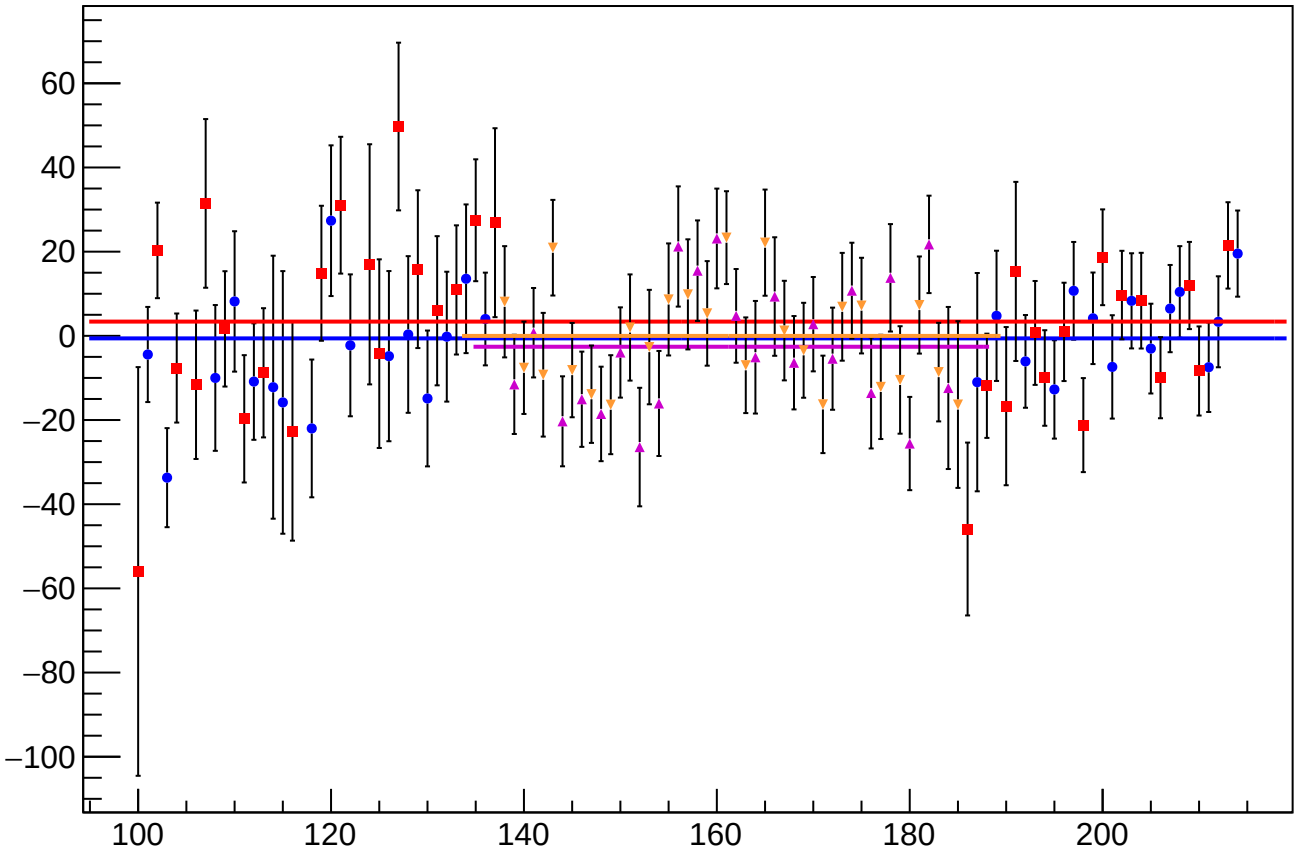
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 169.750+/-0.021 χ^2/NDF: 5322455.7/63

In: 174.390+/-0.021 χ^2/NDF:4026743.3/52

Out: 181.032+/-0.022 χ^2/NDF:5223121.2/58

All: 177.643+/-0.015 χ^2/NDF: 9297658.0/11



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

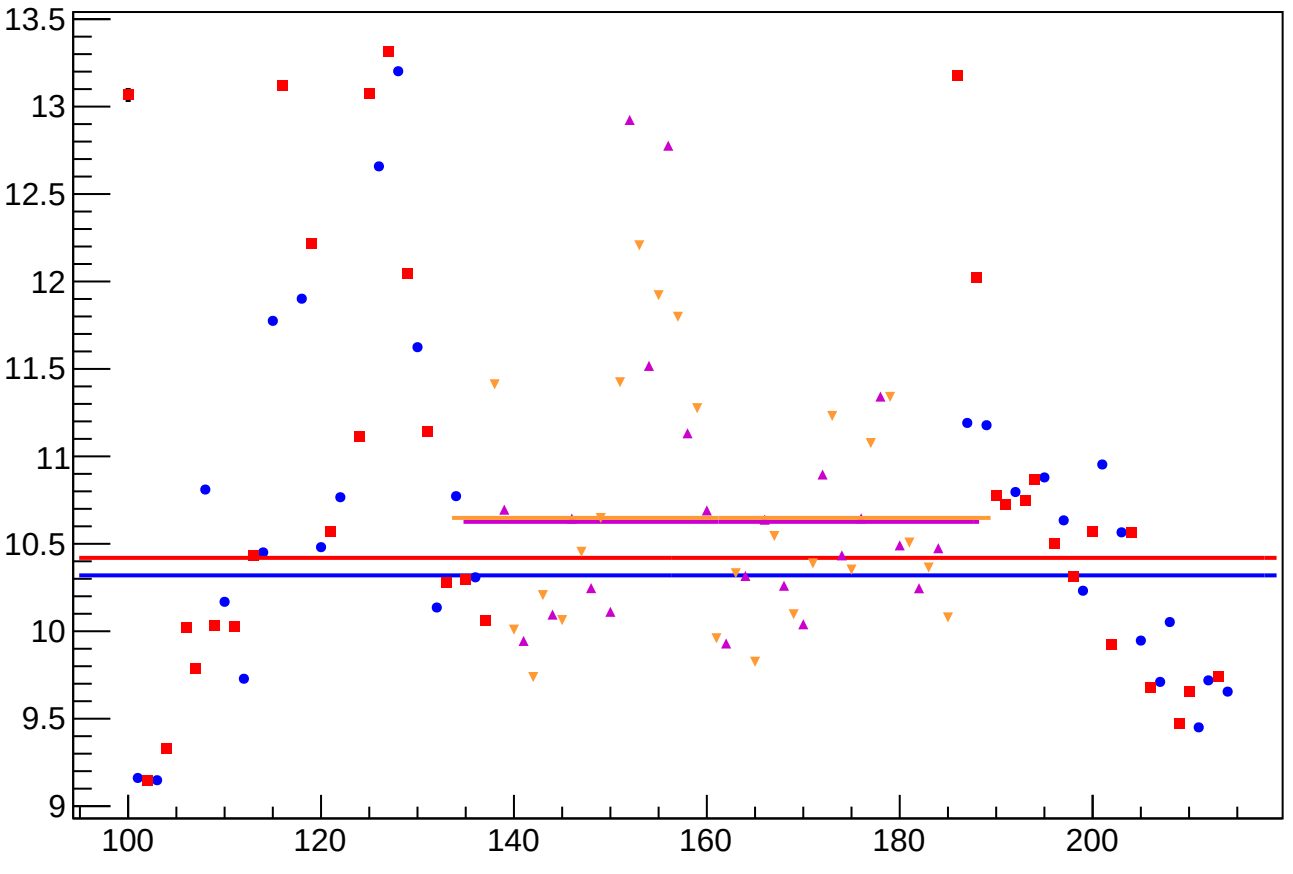
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 1.406+/-1.710 χ^2/NDF: 75.5/63

In: -1.567+/-1.744 χ^2/NDF:60.1/52

Out: 1.708+/-1.716 χ^2/NDF:73.9/58

All: 0.097+/-1.223 χ^2/NDF: 135.8/111



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

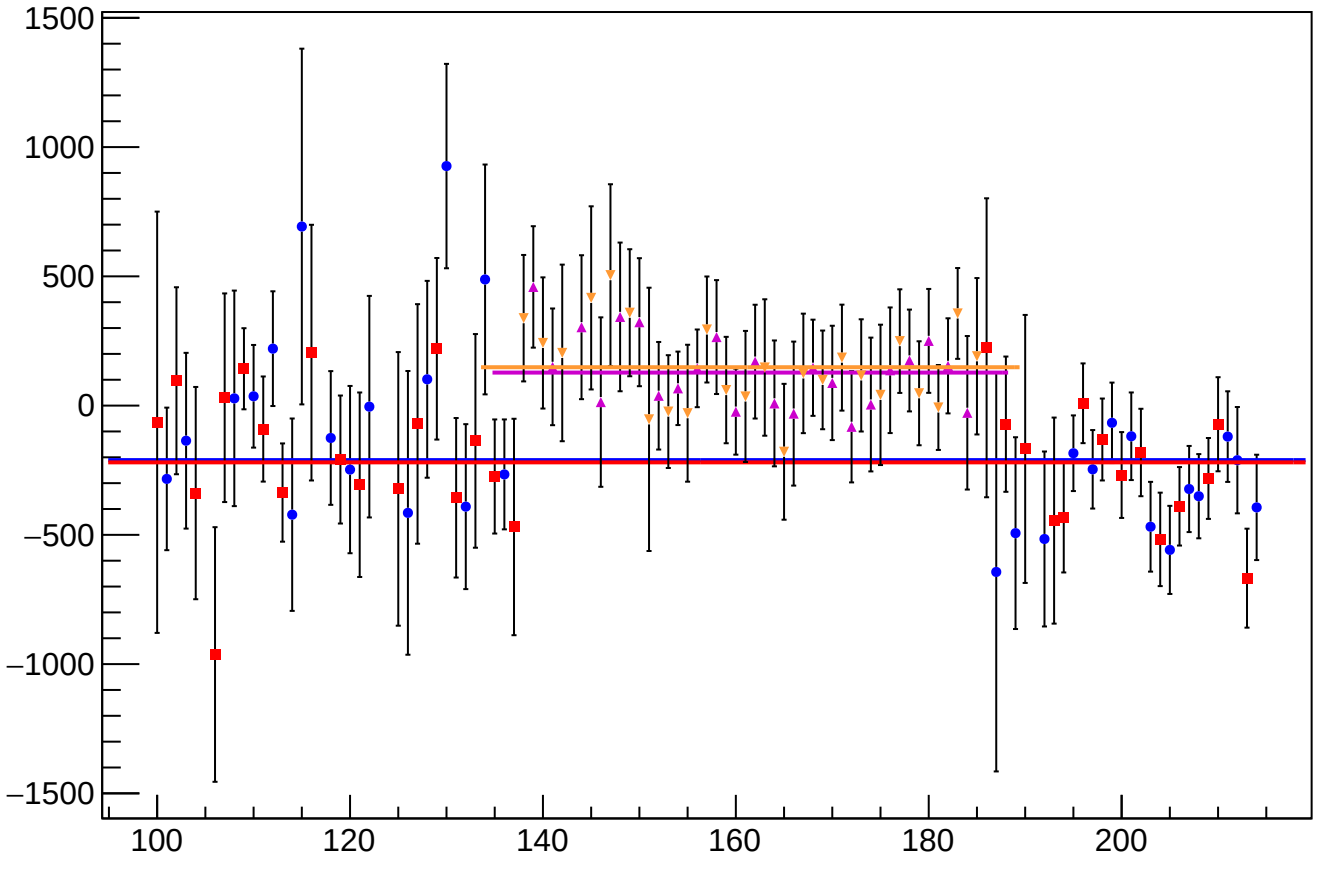
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.370+/-0.001 χ^2/NDF: 542463.9/63

In: 10.468+/-0.001 χ^2/NDF:398398.9/52

Out: 10.532+/-0.001 χ^2/NDF:469693.7/58

All: 10.501+/-0.001 χ^2/NDF: 869480.7/111



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

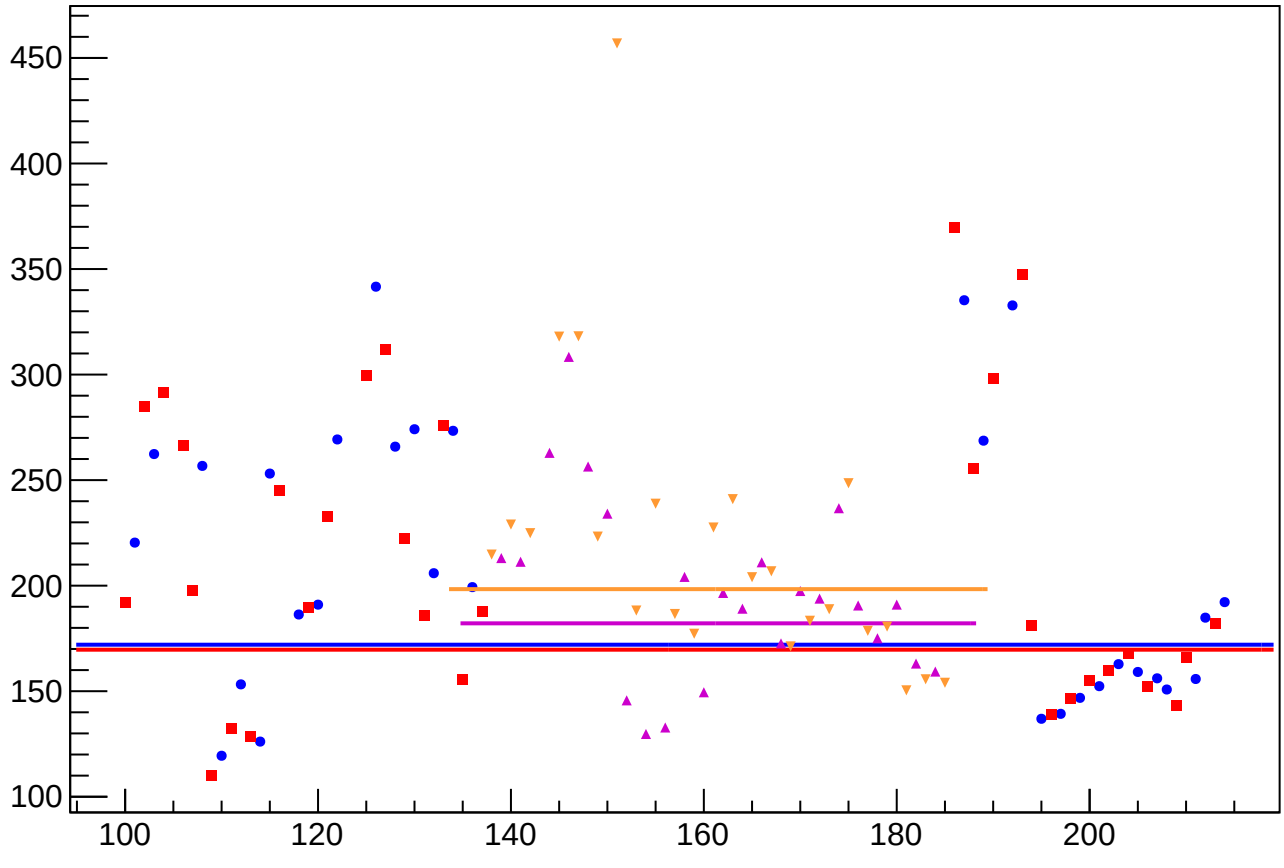
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -215.244+/-29.463 χ^2/NDF: 59.7/61

In: -51.779+/-30.453 χ^2/NDF:70.3/52

Out: -61.047+/-31.319 χ^2/NDF:71.7/55

All: -56.283+/-21.833 χ^2/NDF: 142.1/108



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

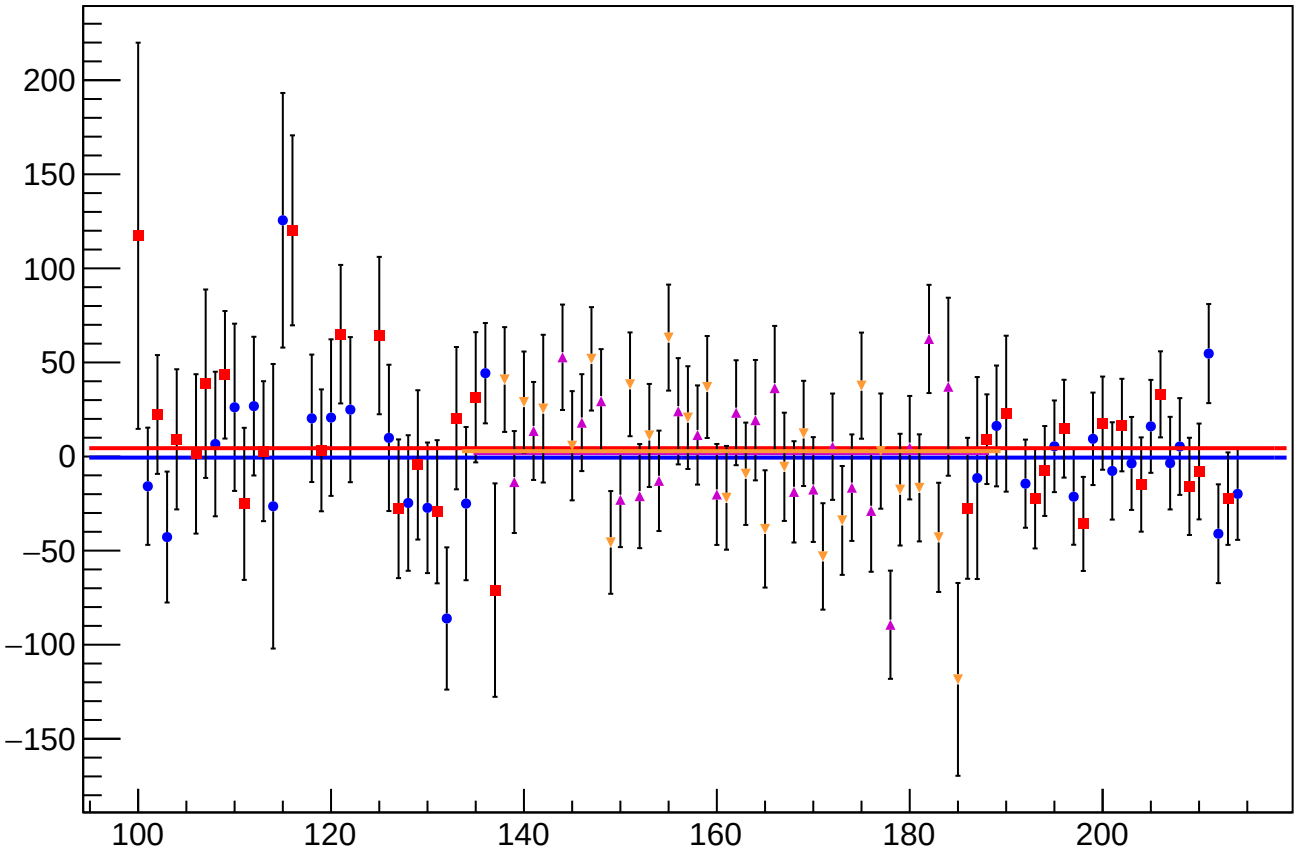
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 170.838+/-0.021 χ^2/NDF: 5065007.2/61

In: 176.783+/-0.022 χ^2/NDF:3936467.0/52

Out: 182.023+/-0.022 χ^2/NDF:4873162.1/55

All: 179.329+/-0.015 χ^2/NDF: 8838399.3/108



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

Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

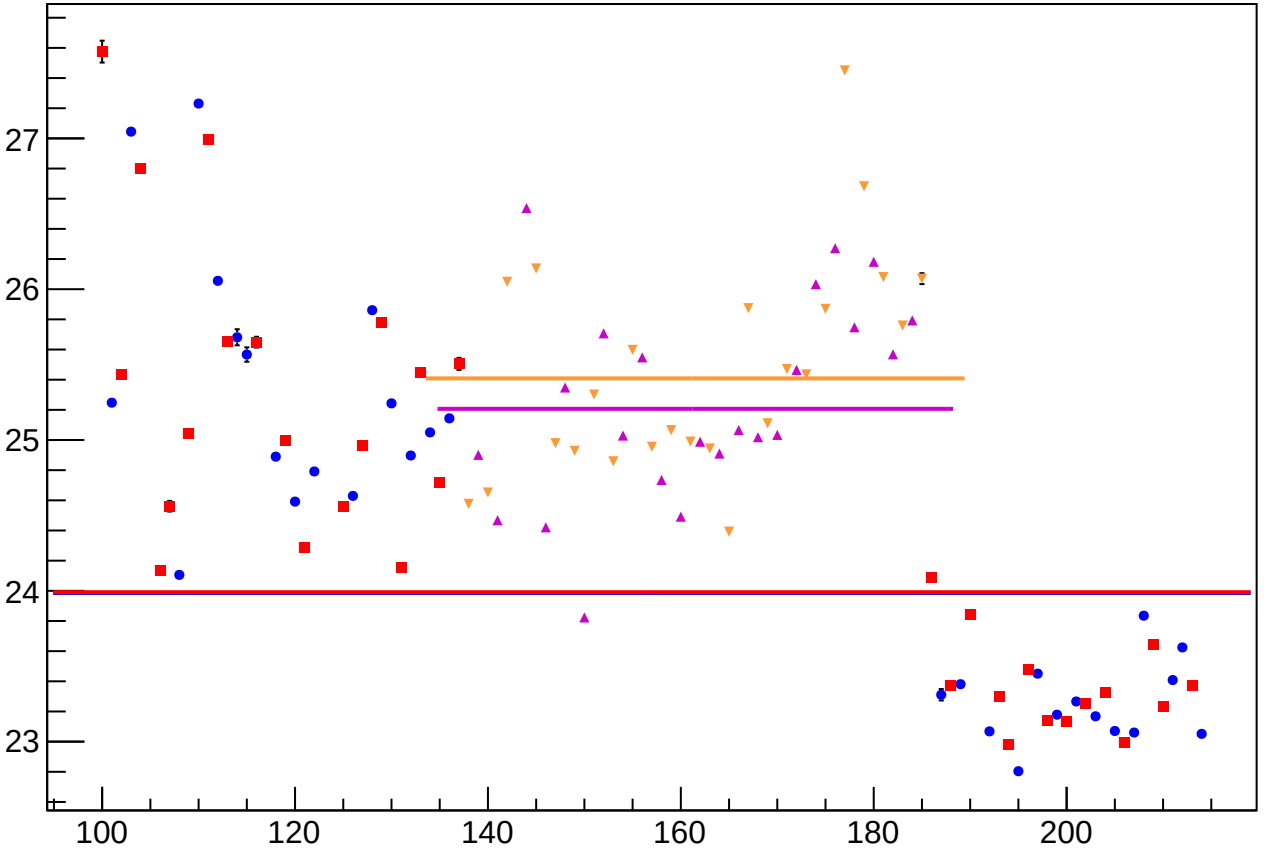
Right: 1.955+/-3.949 χ^2/NDF: 54.5/61

In: 0.579+/-4.063 χ^2/NDF:54.5/52

Out: 3.693+/-4.048 χ^2/NDF:64.7/55

All: 2.141+/-2.868 χ^2/NDF: 119.5/108

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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

Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

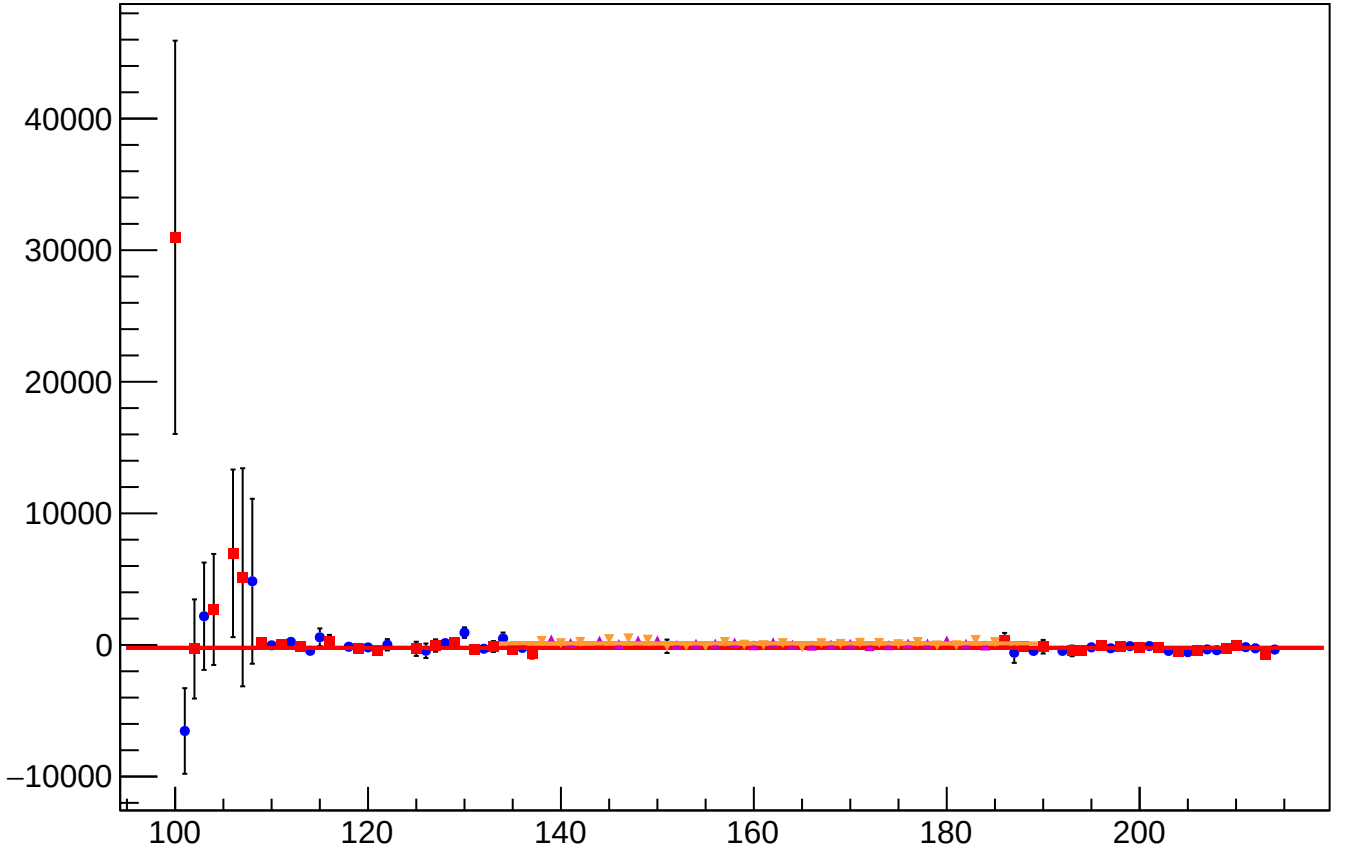
Right: 23.988+/-0.003 χ^2/NDF: 153761.5/61

In: 24.566+/-0.003 χ^2/NDF:151847.5/52

Out: 24.658+/-0.003 χ^2/NDF:160783.2/55

All: 24.612+/-0.002 χ^2/NDF: 313140.6/108

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



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

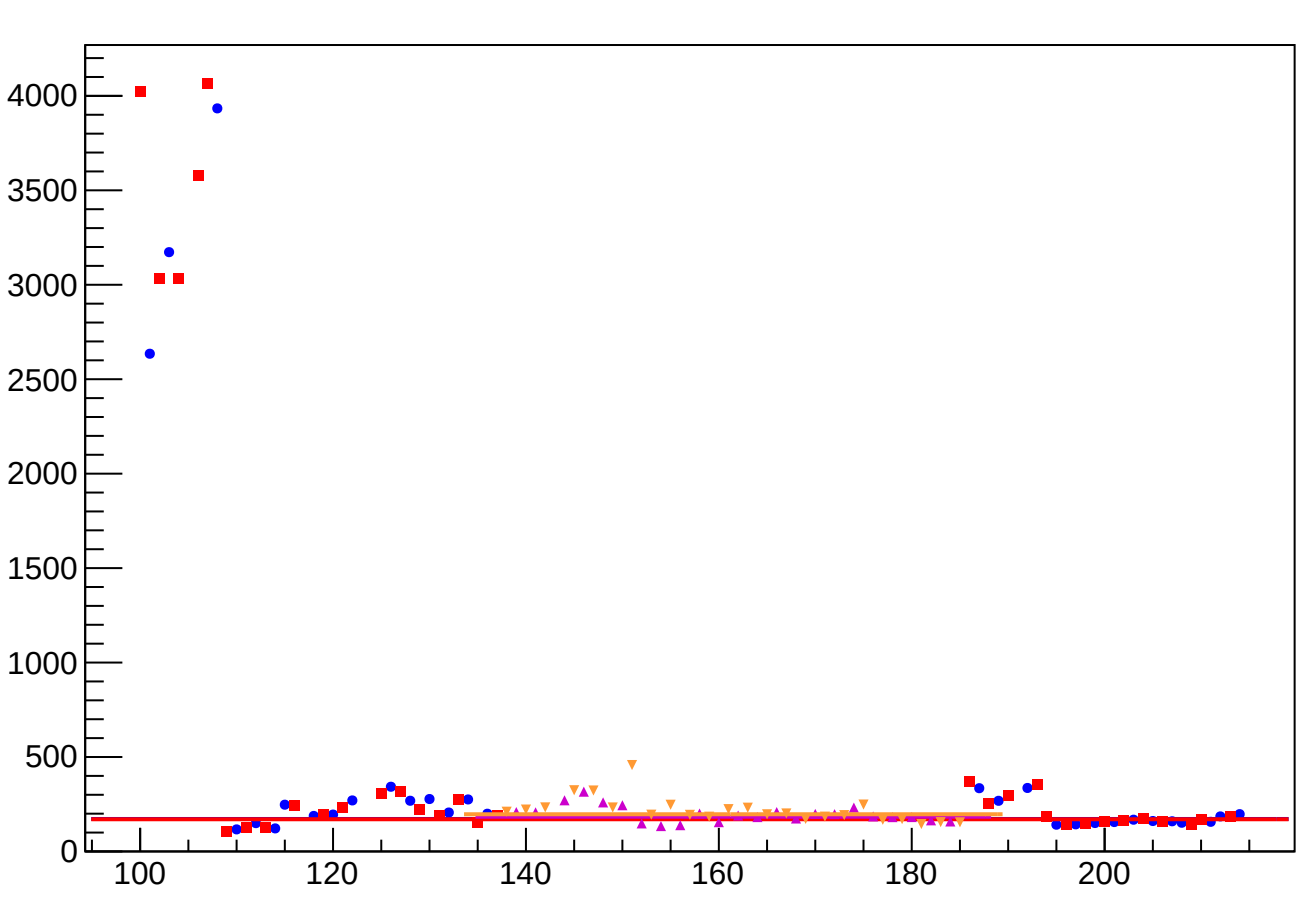
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -220.235+/-30.808 χ^2/NDF: 66.4/61

In: -52.889+/-31.190 χ^2/NDF:70.3/52

Out: -68.457+/-32.132 χ^2/NDF:73.2/55

All: -60.441+/-22.380 χ^2/NDF: 143.7/108



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

Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

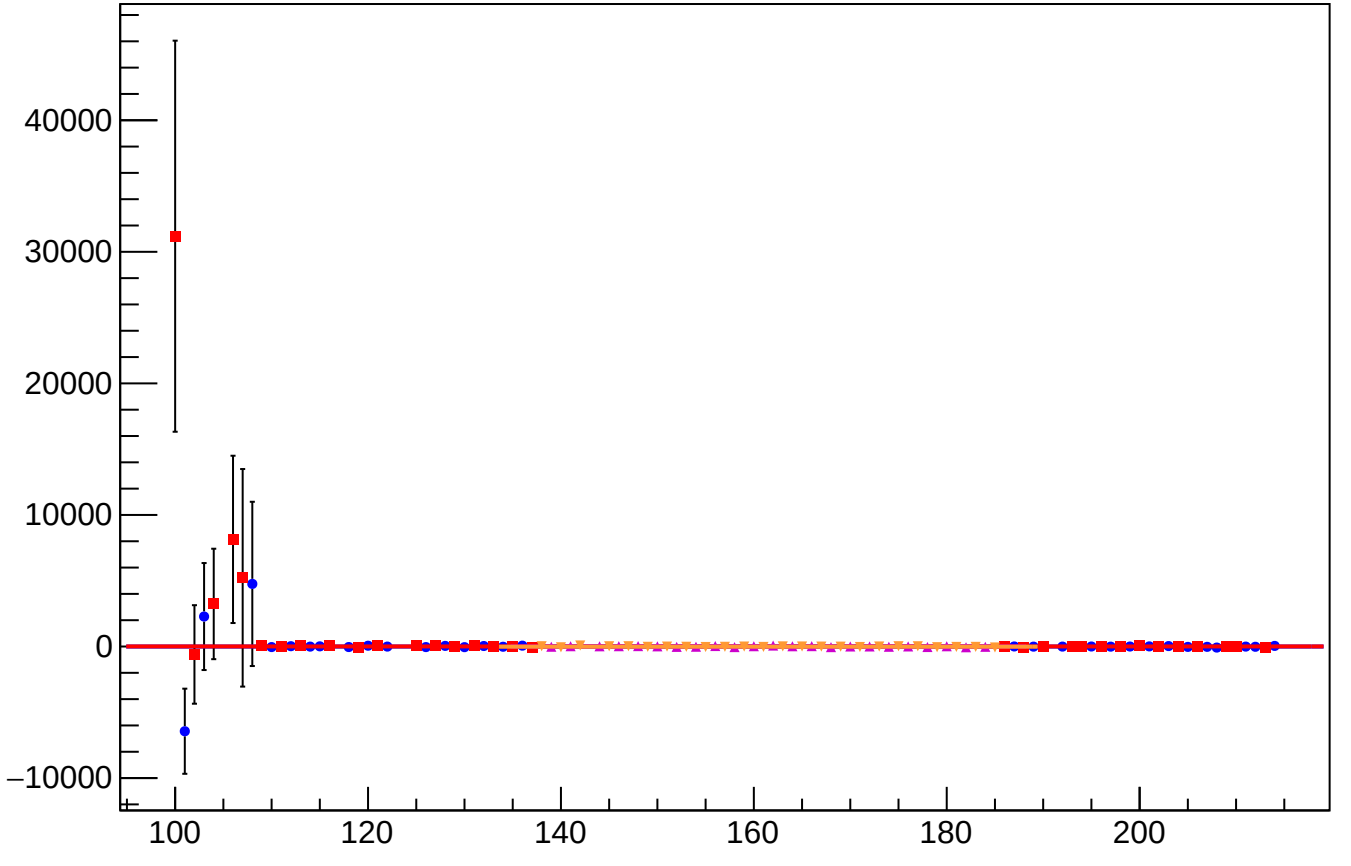
Right: 171.184+/-0.022 χ^2/NDF: 10354799.2/61

In: 177.794+/-0.022 χ^2/NDF:6444958.6/52

Out: 182.606+/-0.023 χ^2/NDF:7576360.4/55

All: 180.128+/-0.016 χ^2/NDF: 14044420.4/10

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



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

Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

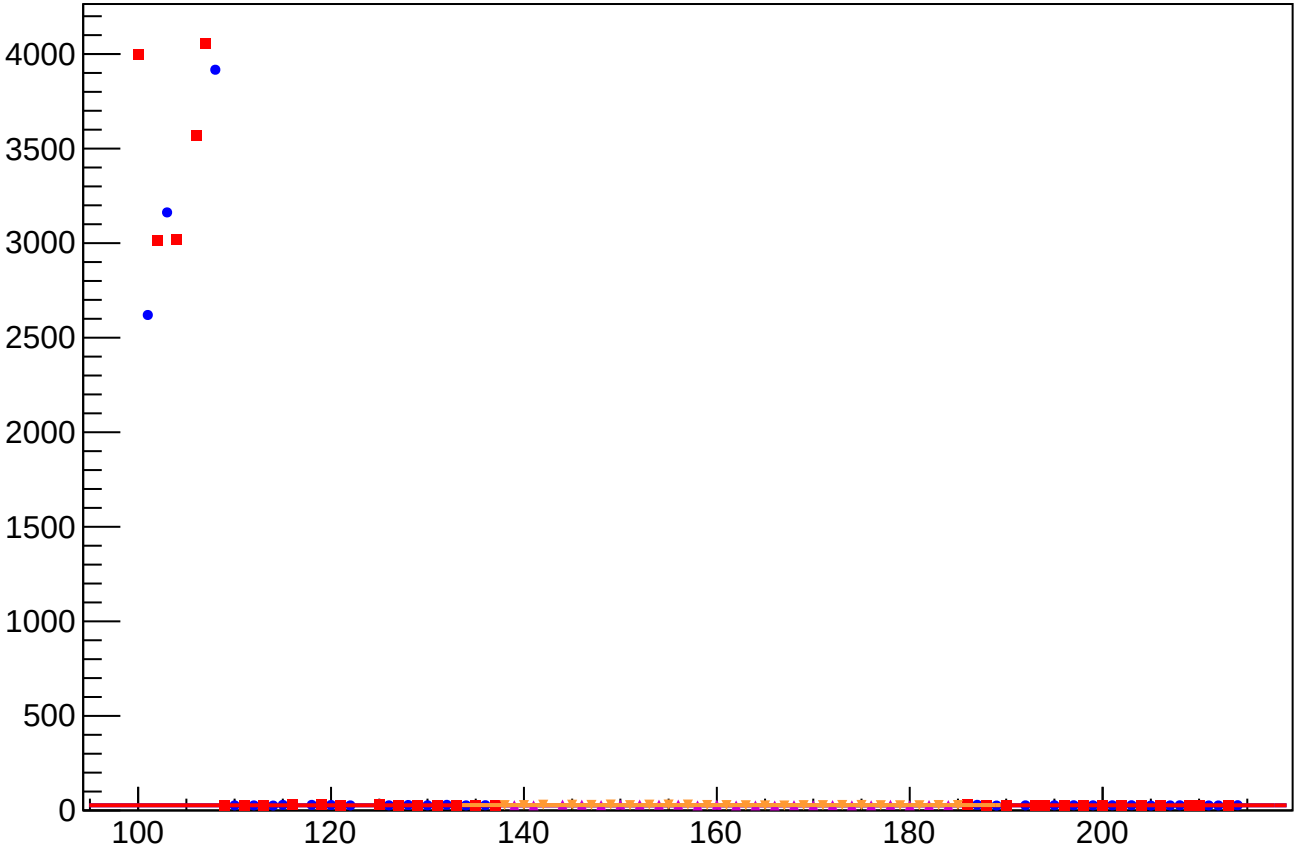
Right: 1.624+/-4.735 χ^2/NDF: 70.5/61

In: -0.278+/-4.740 χ^2/NDF:54.6/52

Out: -2.444+/-4.727 χ^2/NDF:58.3/55

All: -1.364+/-3.347 χ^2/NDF: 113.1/108

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



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

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

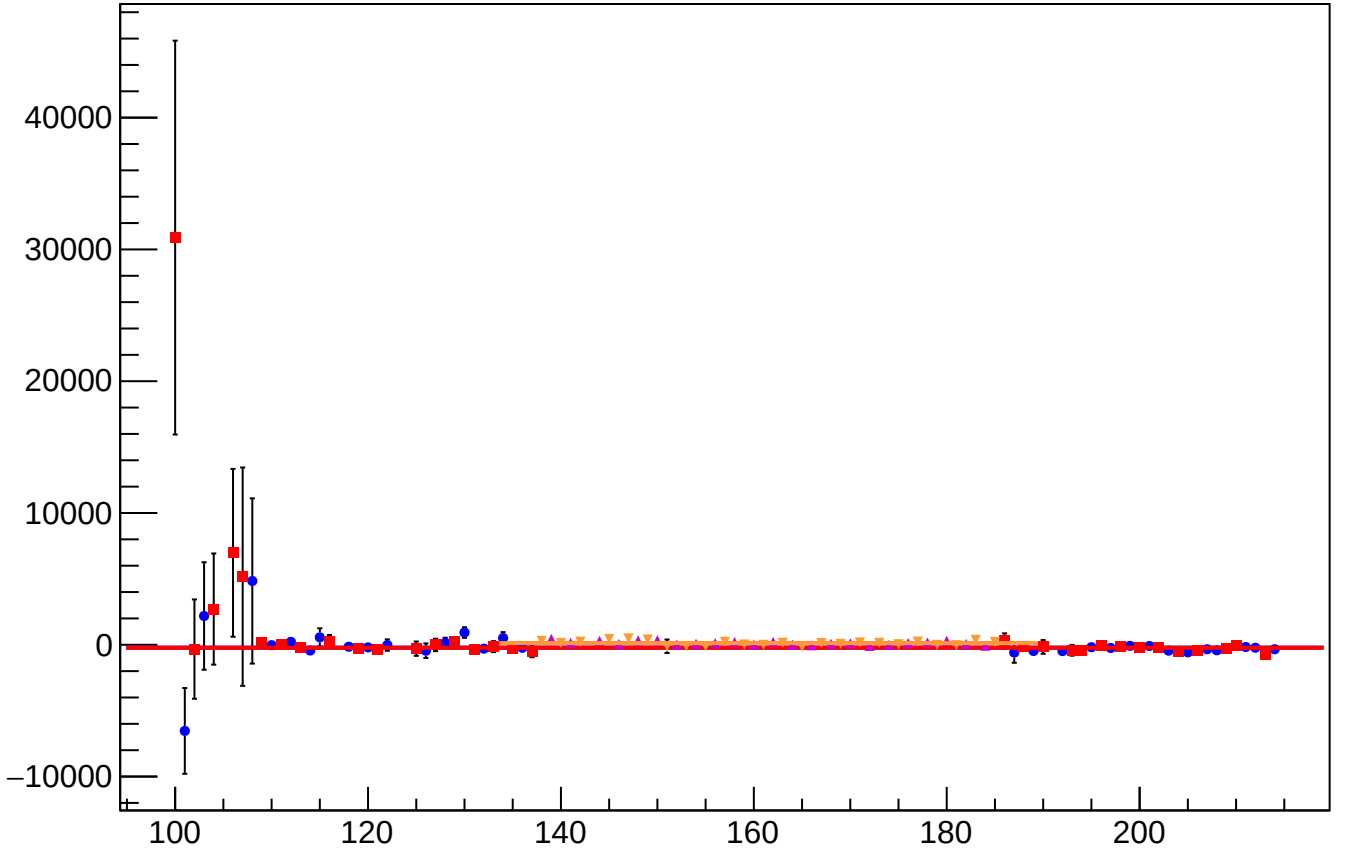
Right: 27.273+/-0.003 χ^2/NDF: 6886618.5/61

In: 27.980+/-0.003 χ^2/NDF:3465392.0/52

Out: 27.953+/-0.003 χ^2/NDF:3715755.1/55

All: 27.966+/-0.002 χ^2/NDF: 7181180.5/108

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



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

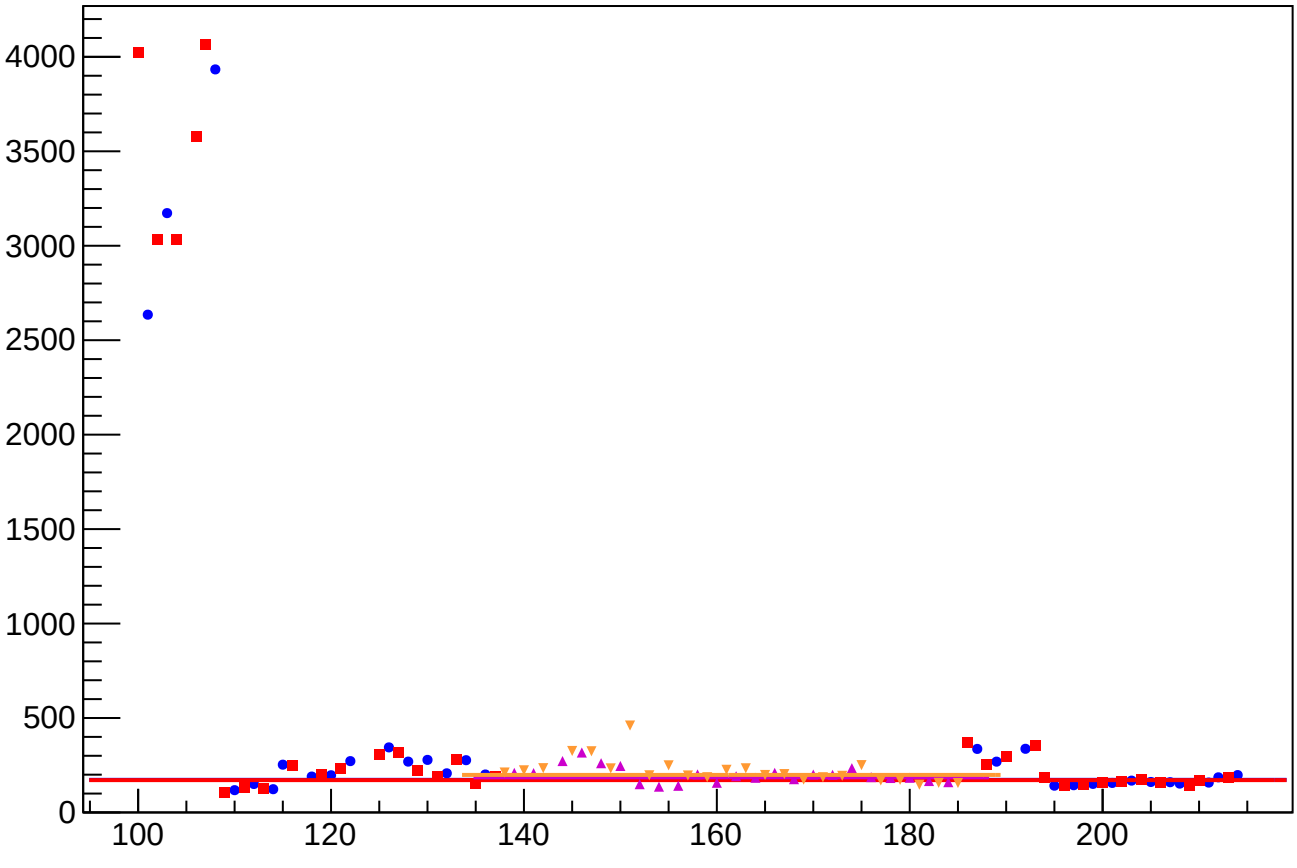
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -221.075+/-30.935 χ^2/NDF: 64.7/61

In: -52.920+/-31.397 χ^2/NDF:71.6/52

Out: -64.837+/-32.329 χ^2/NDF:71.3/55

All: -58.705+/-22.523 χ^2/NDF: 143.0/108



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

Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

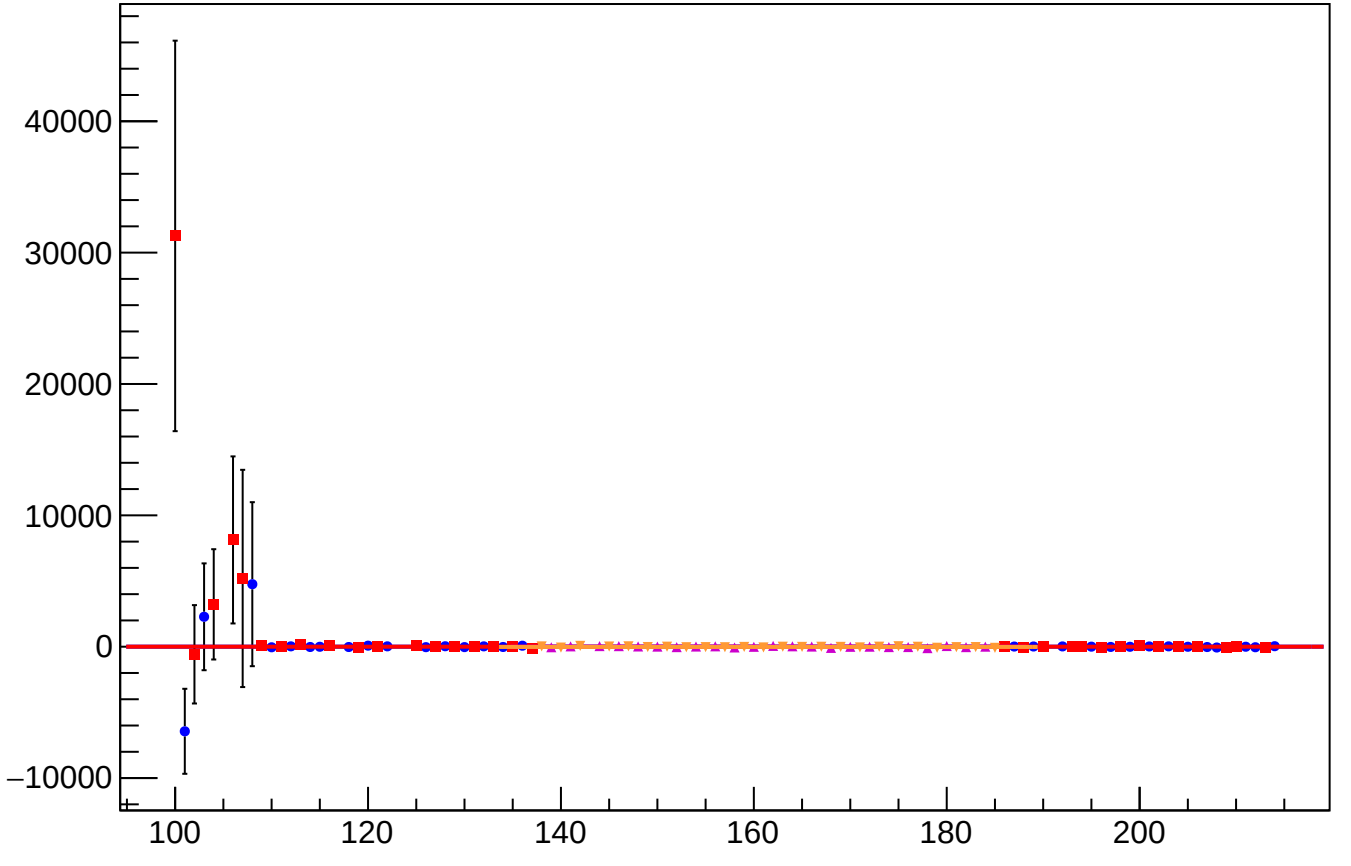
Right: 171.920+/-0.022 χ^2/NDF: 10337256.0/61

In: 179.032+/-0.022 χ^2/NDF:6412750.0/52

Out: 183.758+/-0.023 χ^2/NDF:7564309.6/55

All: 181.326+/-0.016 χ^2/NDF: 13999055.8/10

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



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

Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

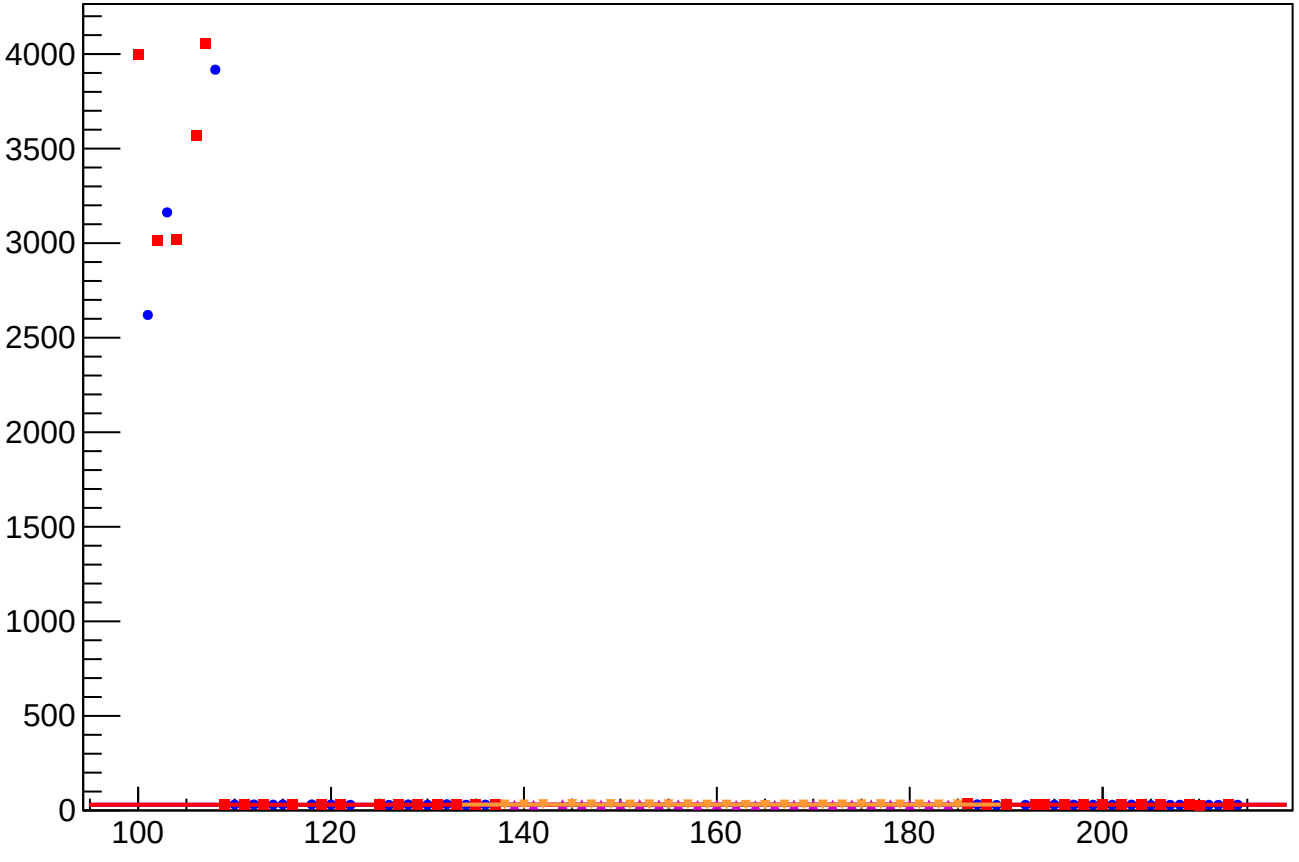
Right: 1.719+/-5.230 χ^2/NDF: 68.6/61

In: 0.032+/-5.205 χ^2/NDF:61.5/52

Out: -8.983+/-5.189 χ^2/NDF:66.4/55

All: -4.489+/-3.675 χ^2/NDF: 129.4/108

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug, Sign Corrected



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

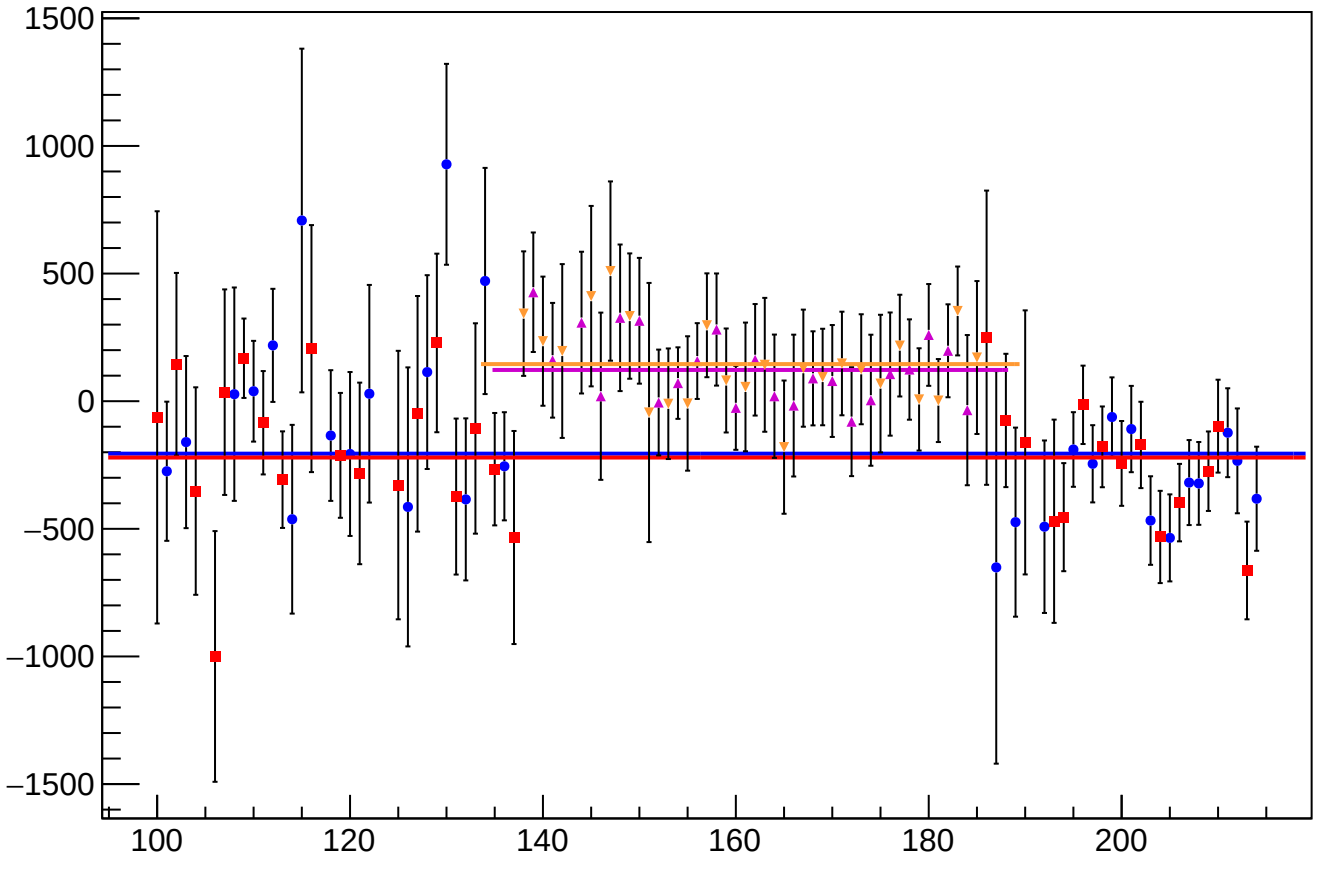
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.139+/-0.004 χ^2/NDF: 6845523.8/61

In: 30.745+/-0.004 χ^2/NDF:3390698.6/52

Out: 30.708+/-0.004 χ^2/NDF:3637770.0/55

All: 30.727+/-0.003 χ^2/NDF: 7028517.6/108



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

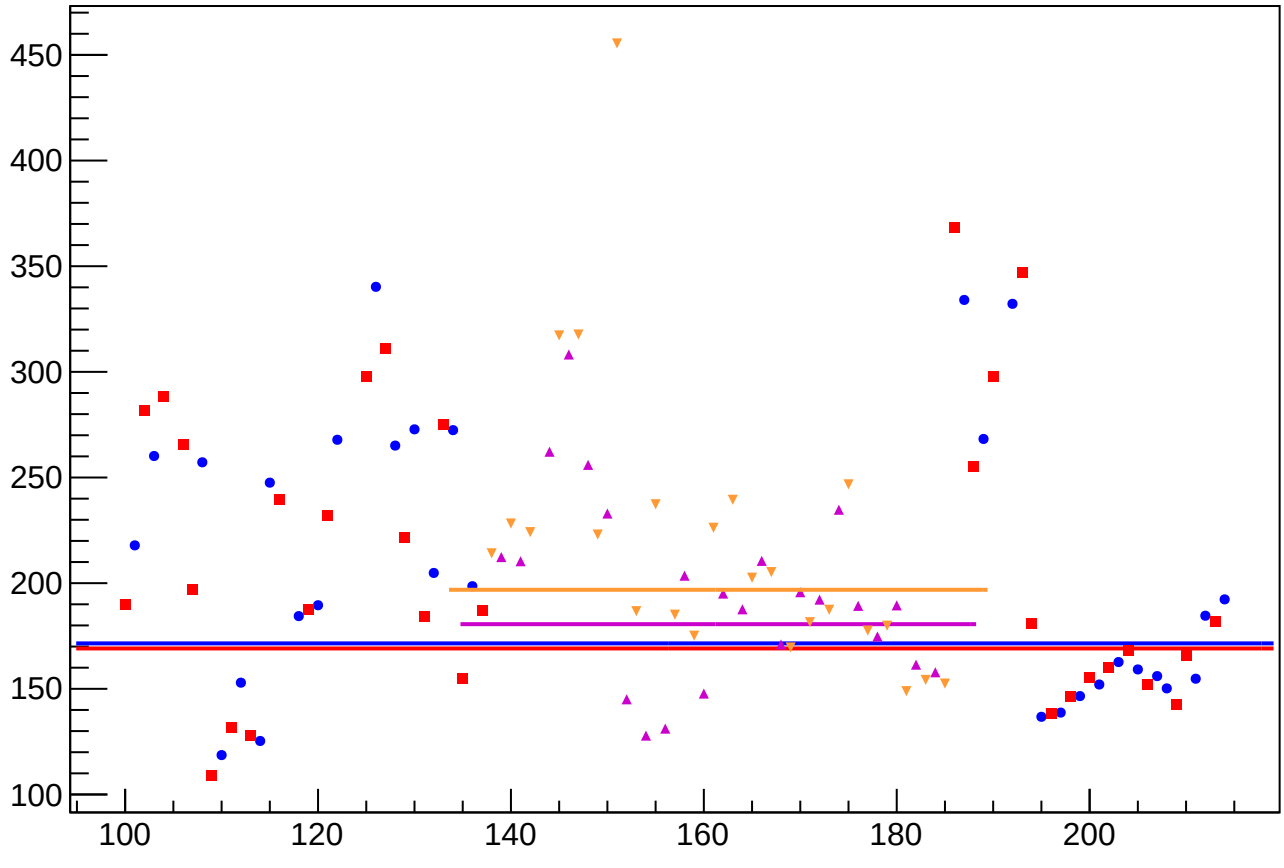
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -213.190+/-29.369 χ^2/NDF: 60.5/61

In: -50.707+/-30.291 χ^2/NDF:68.1/52

Out: -62.381+/-31.168 χ^2/NDF:72.6/55

All: -56.377+/-21.723 χ^2/NDF: 140.8/108



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

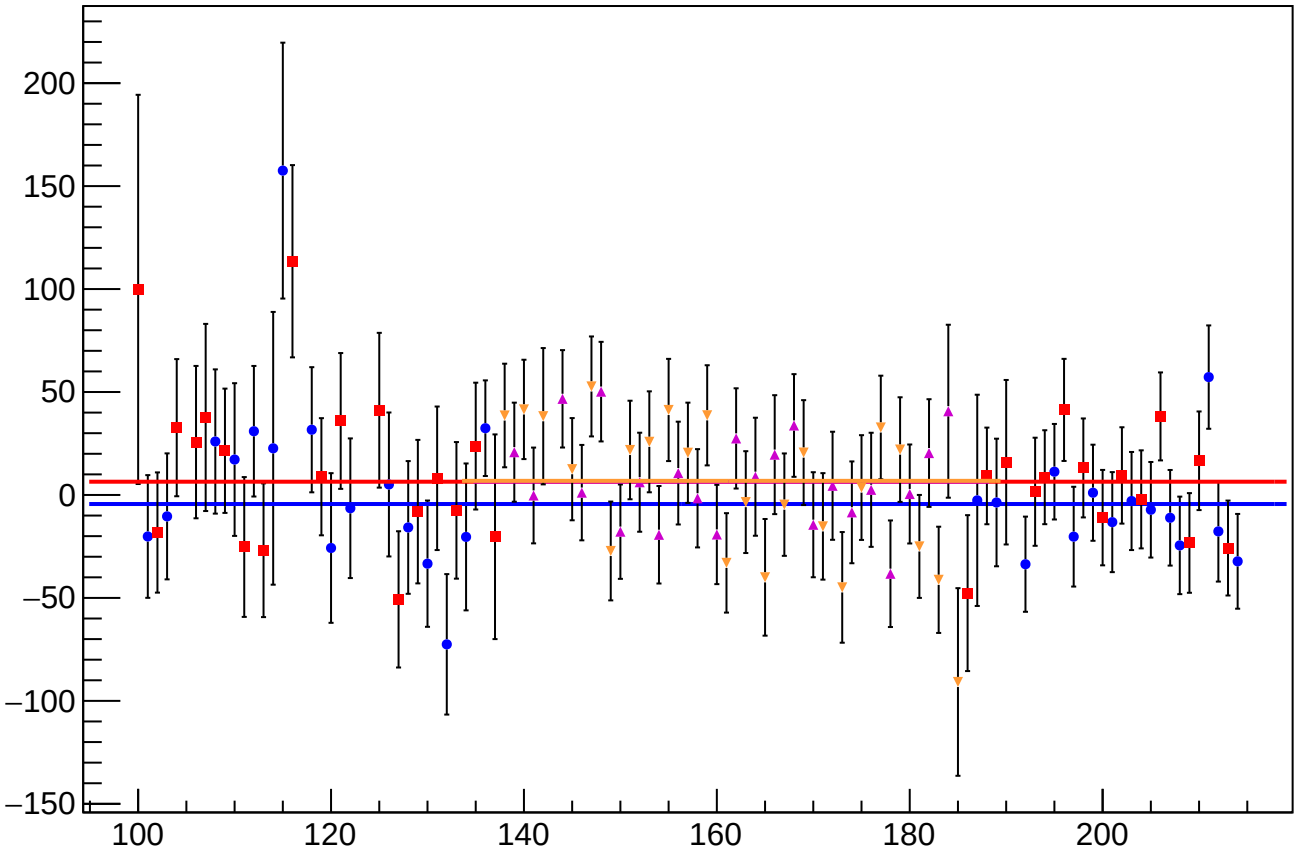
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 170.291+/-0.021 χ^2/NDF: 5054805.5/61

In: 175.798+/-0.021 χ^2/NDF:3962546.1/52

Out: 181.114+/-0.022 χ^2/NDF:4876843.8/55

All: 178.380+/-0.015 χ^2/NDF: 8869315.4/108



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

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

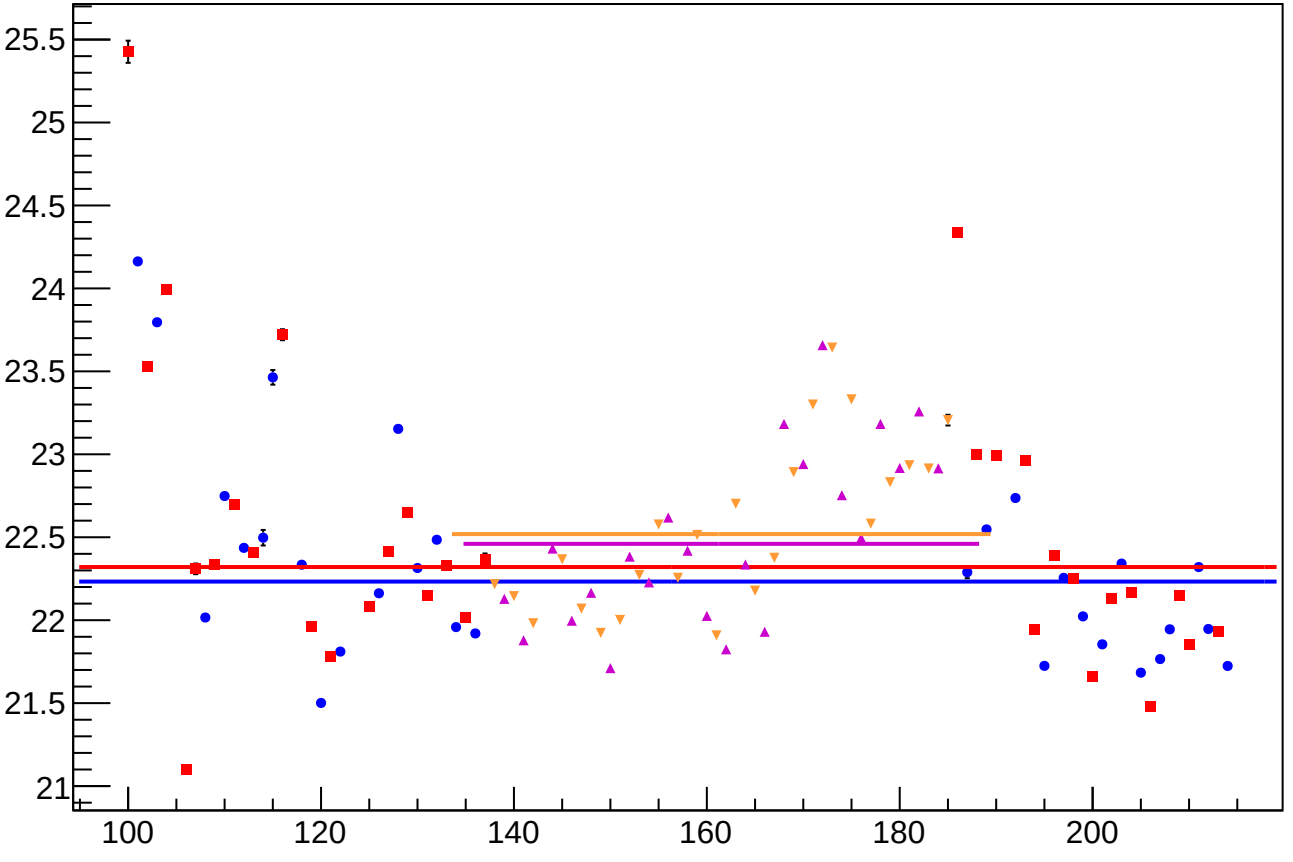
Right: 1.046+/-3.664 χ^2/NDF: 59.5/61

In: 0.987+/-3.691 χ^2/NDF:50.1/52

Out: 6.646+/-3.676 χ^2/NDF:63.7/55

All: 3.828+/-2.605 χ^2/NDF: 114.9/108

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



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

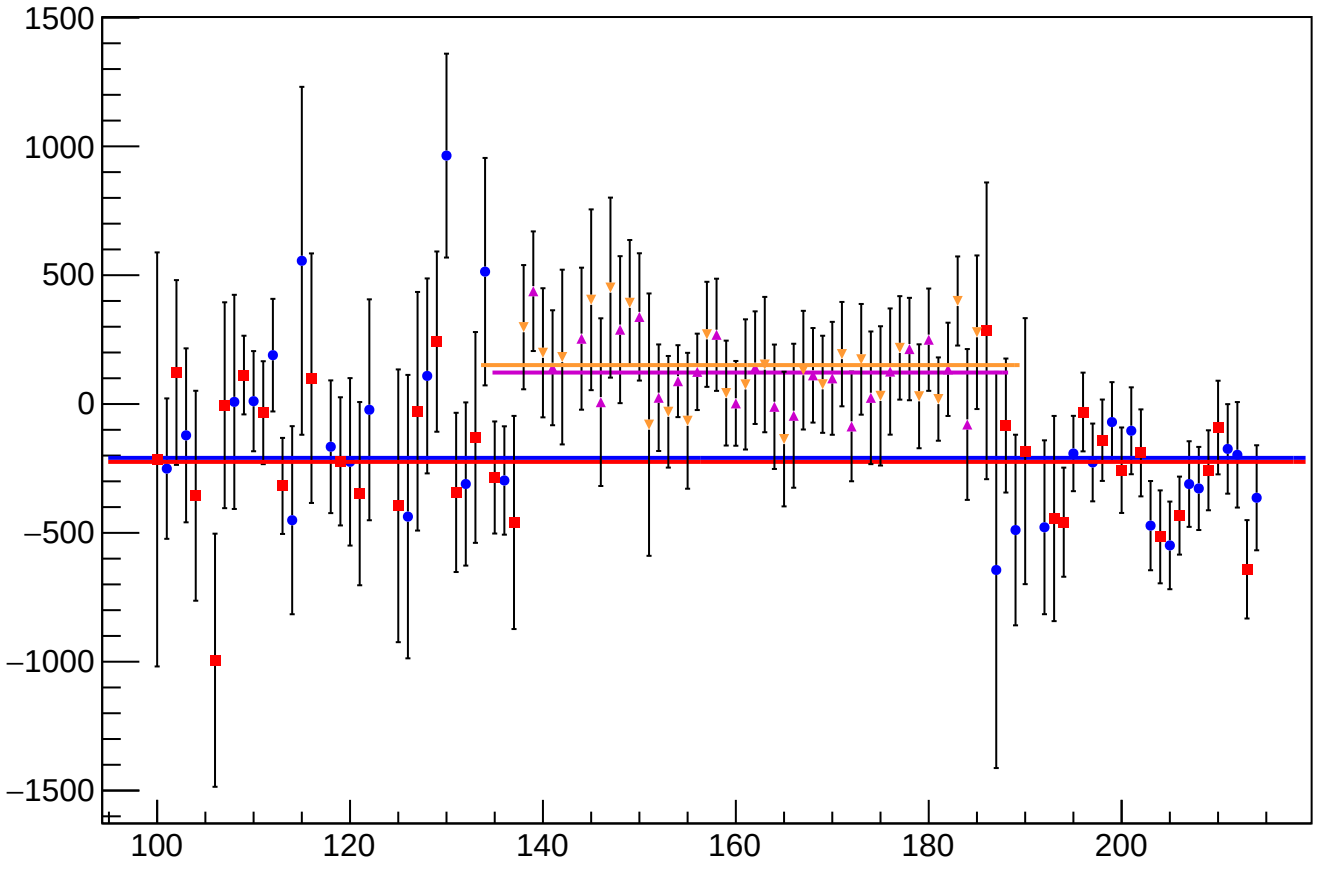
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.277+/-0.003 χ^2/NDF: 57265.0/61

In: 22.345+/-0.003 χ^2/NDF:45684.5/52

Out: 22.419+/-0.003 χ^2/NDF:49763.6/55

All: 22.382+/-0.002 χ^2/NDF: 95843.8/108



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

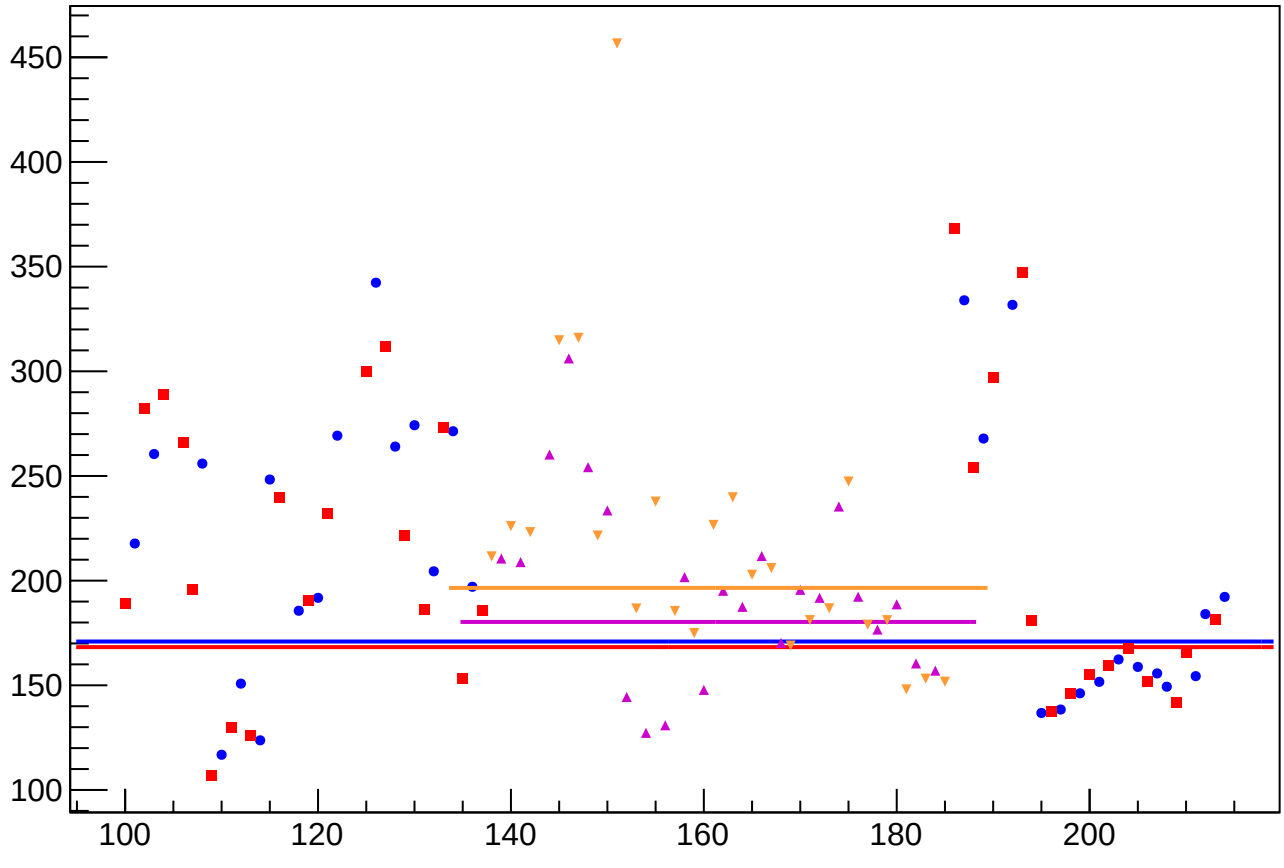
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

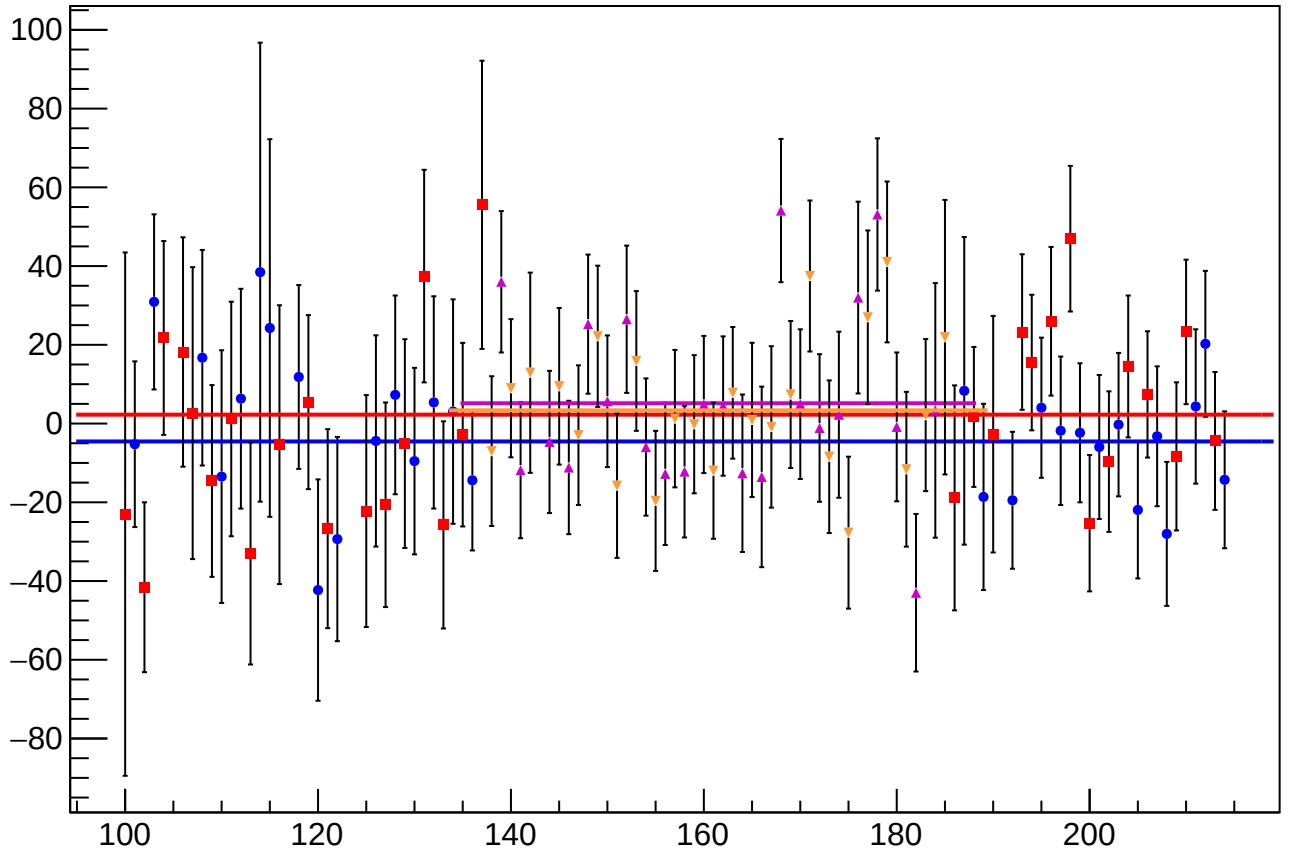
Right: -216.811+/-29.267 χ^2/NDF: 57.7/61

In: -52.799+/-30.220 χ^2/NDF:67.5/52

Out: -62.510+/-31.075 χ^2/NDF:73.3/55

All: -57.519+/-21.665 χ^2/NDF: 140.9/108


asym_bcm_dg_ds_an_us_avg_rms vs Slug, Sign Corrected
450
400
350
300
250
200
150
100
100
120
140
160
180
200
Right In: 170.916+/-0.029 χ²/NDF: 2320735.0/29
Left Out: 196.533+/-0.033 χ²/NDF:1727888.6/23
Right Out: 168.237+/-0.029 χ²/NDF: 2829614.2/31
Left In: 180.274+/-0.031 χ²/NDF:1624682.7/22
Left: 187.815+/-0.023 χ²/NDF: 3479198.8/46
Right: 169.564+/-0.021 χ²/NDF: 5154539.3/61
In: 175.329+/-0.021 χ²/NDF:3993211.5/52
Out: 180.442+/-0.022 χ²/NDF:4964276.6/55
All: 177.814+/-0.015 χ²/NDF: 8985308.7/108



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

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

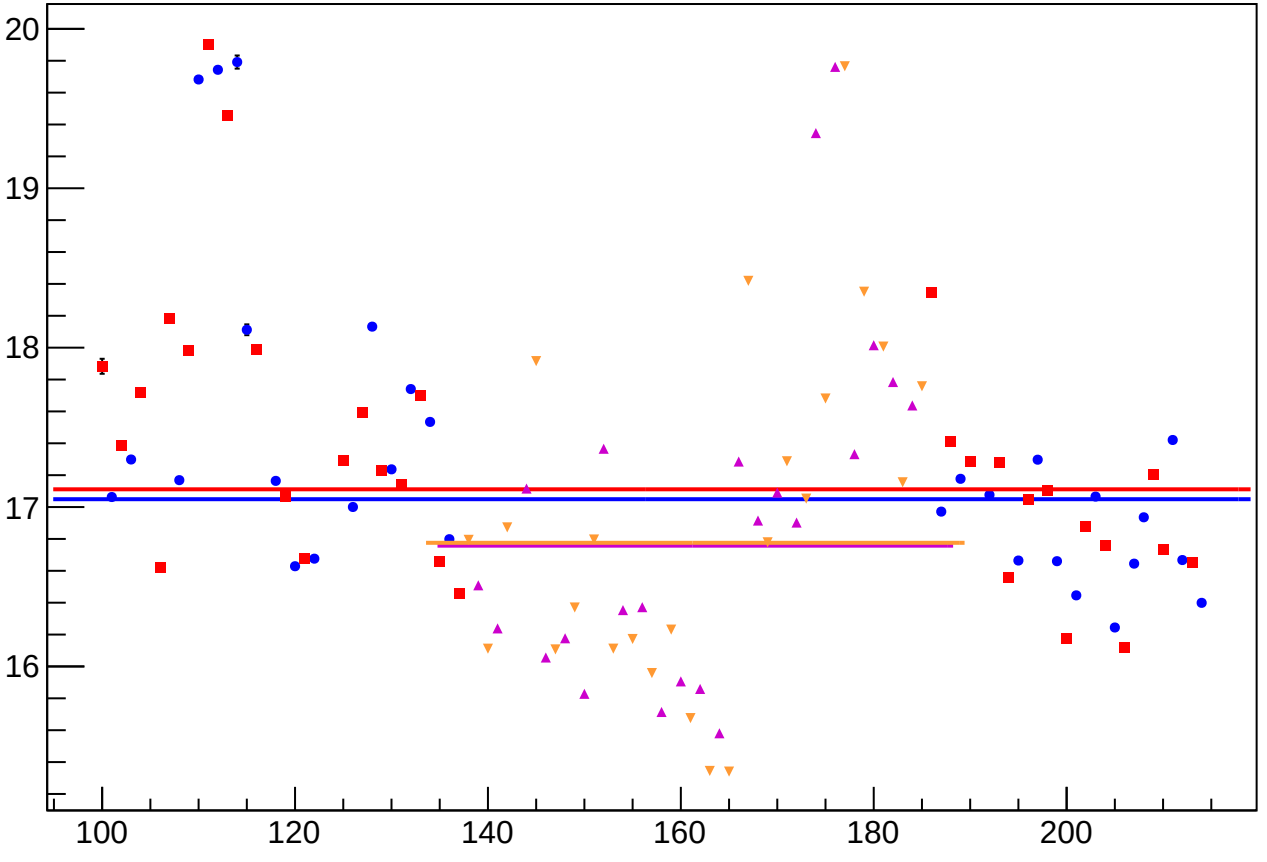
Right: -1.130+/-2.812 χ^2/NDF: 46.4/61

In: 0.380+/-2.797 χ^2/NDF:50.0/52

Out: 2.815+/-2.783 χ^2/NDF:47.9/55

All: 1.603+/-1.973 χ^2/NDF: 98.4/108

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



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

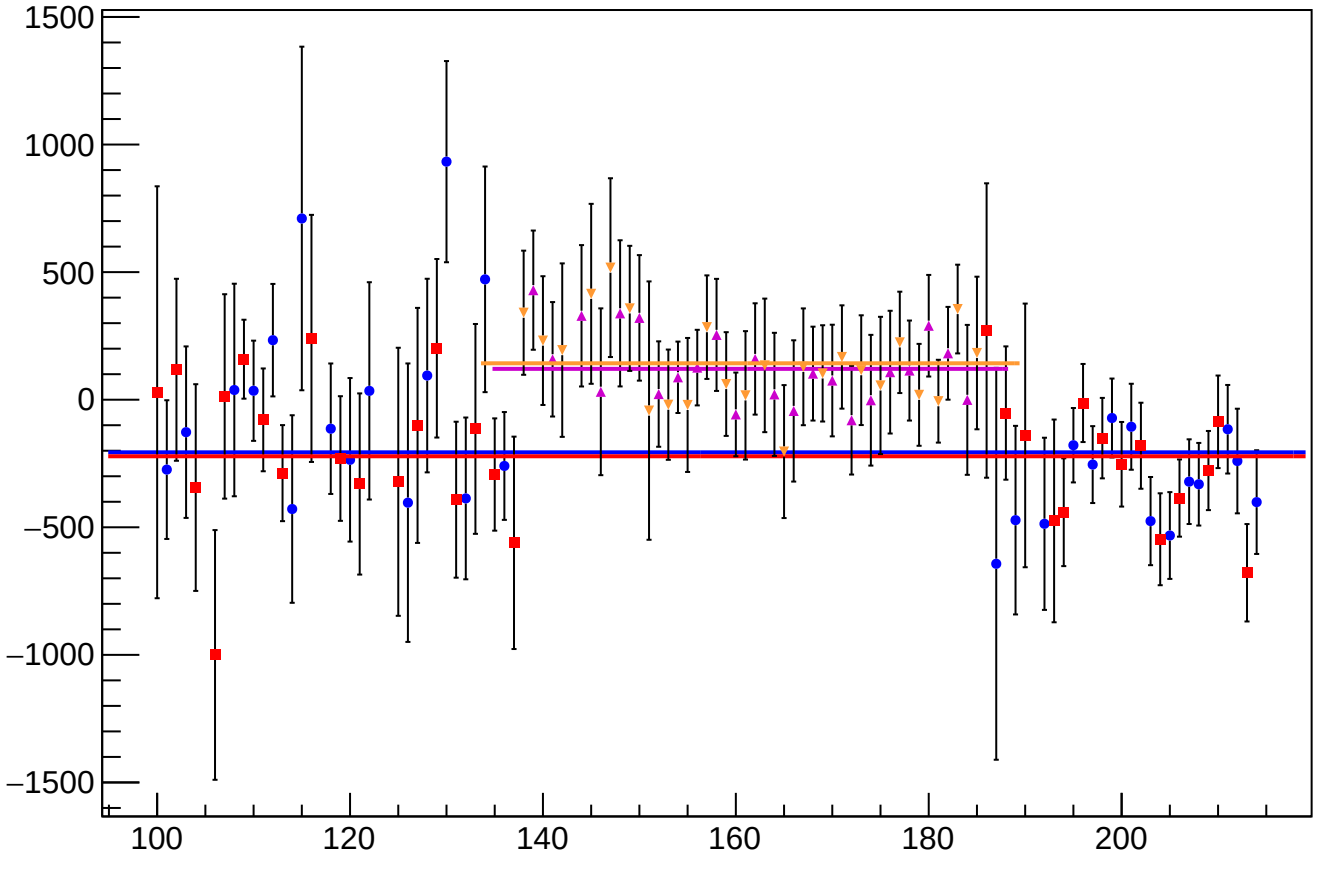
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.080+/-0.002 χ^2/NDF: 125789.5/61

In: 16.901+/-0.002 χ^2/NDF:187796.0/52

Out: 16.941+/-0.002 χ^2/NDF:209896.9/55

All: 16.921+/-0.001 χ^2/NDF: 397895.1/108



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

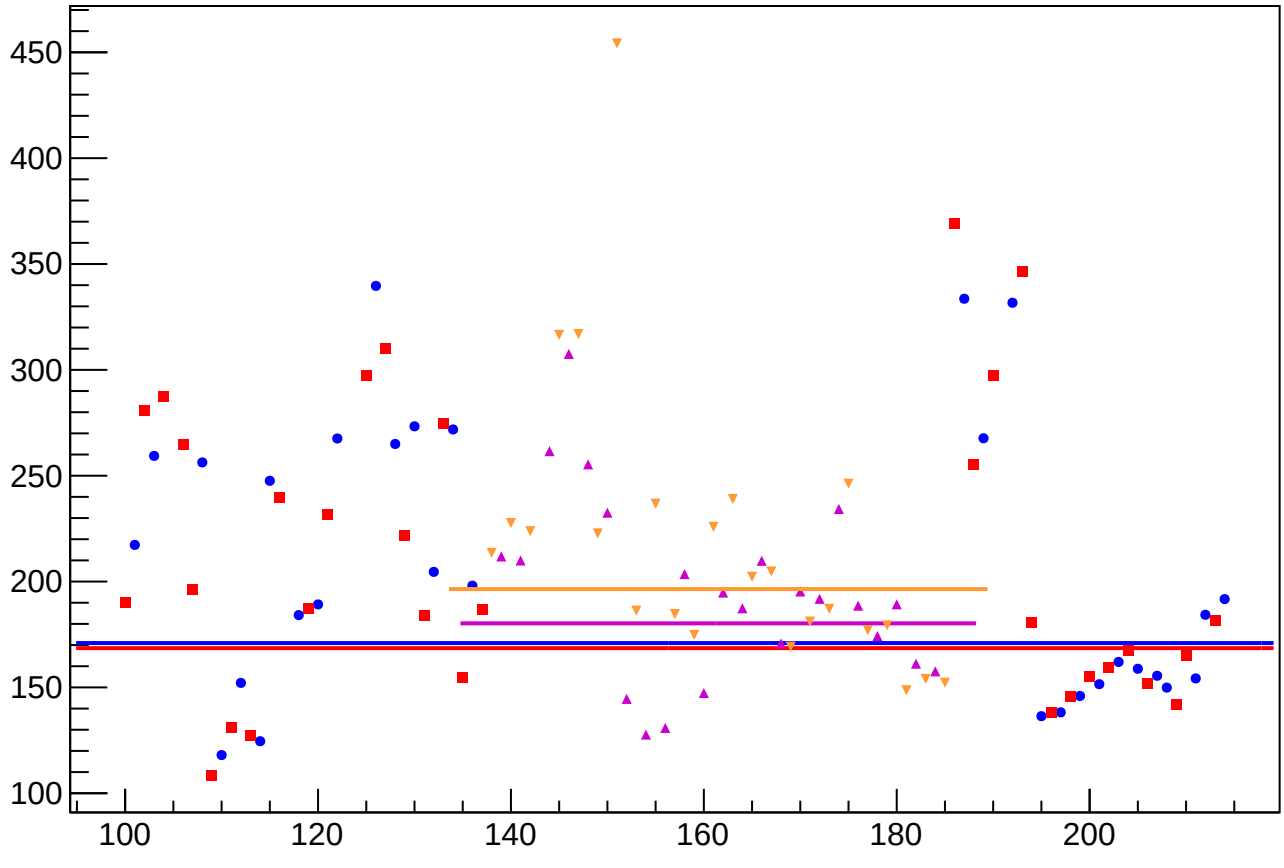
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

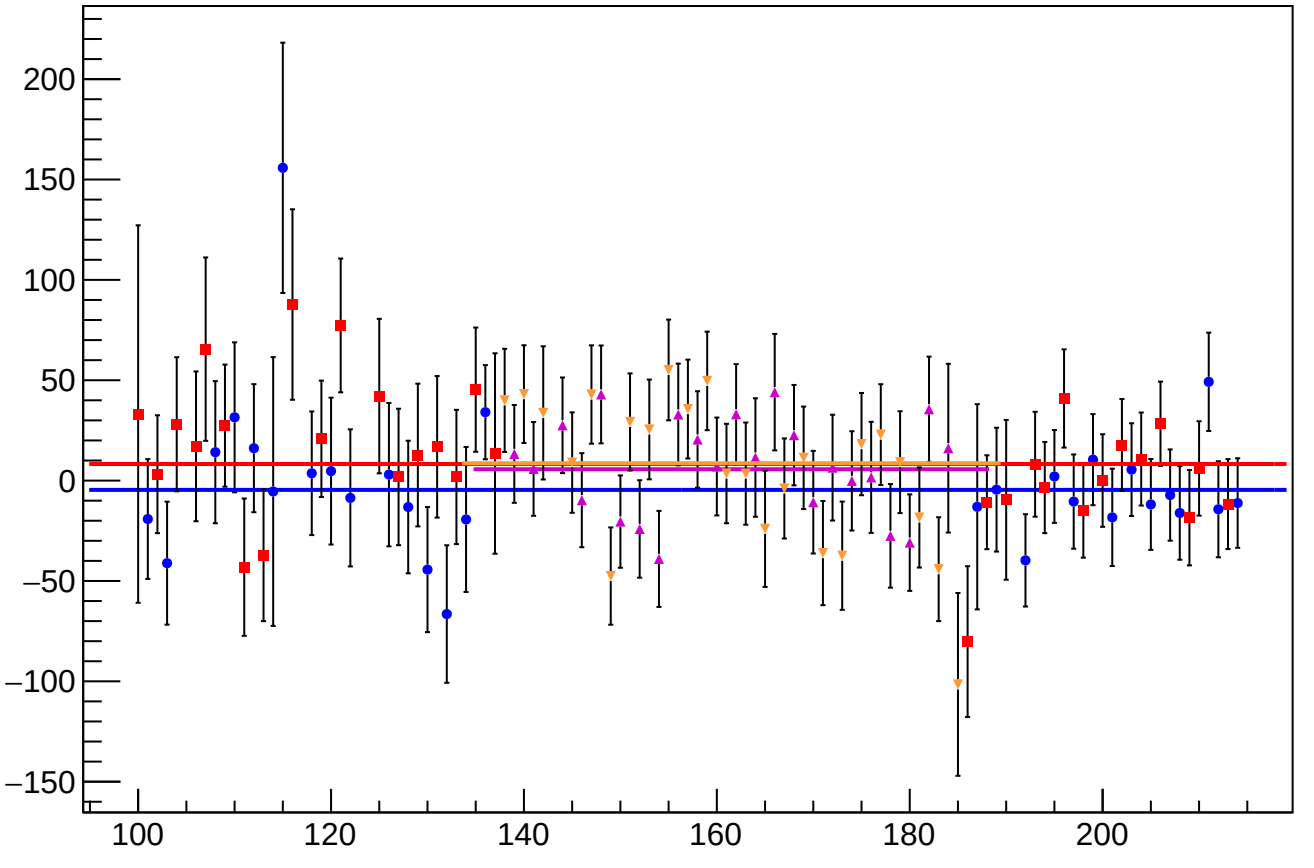
Right: -214.035+/-29.282 χ^2/NDF: 61.7/61

In: -51.936+/-30.215 χ^2/NDF:69.1/52

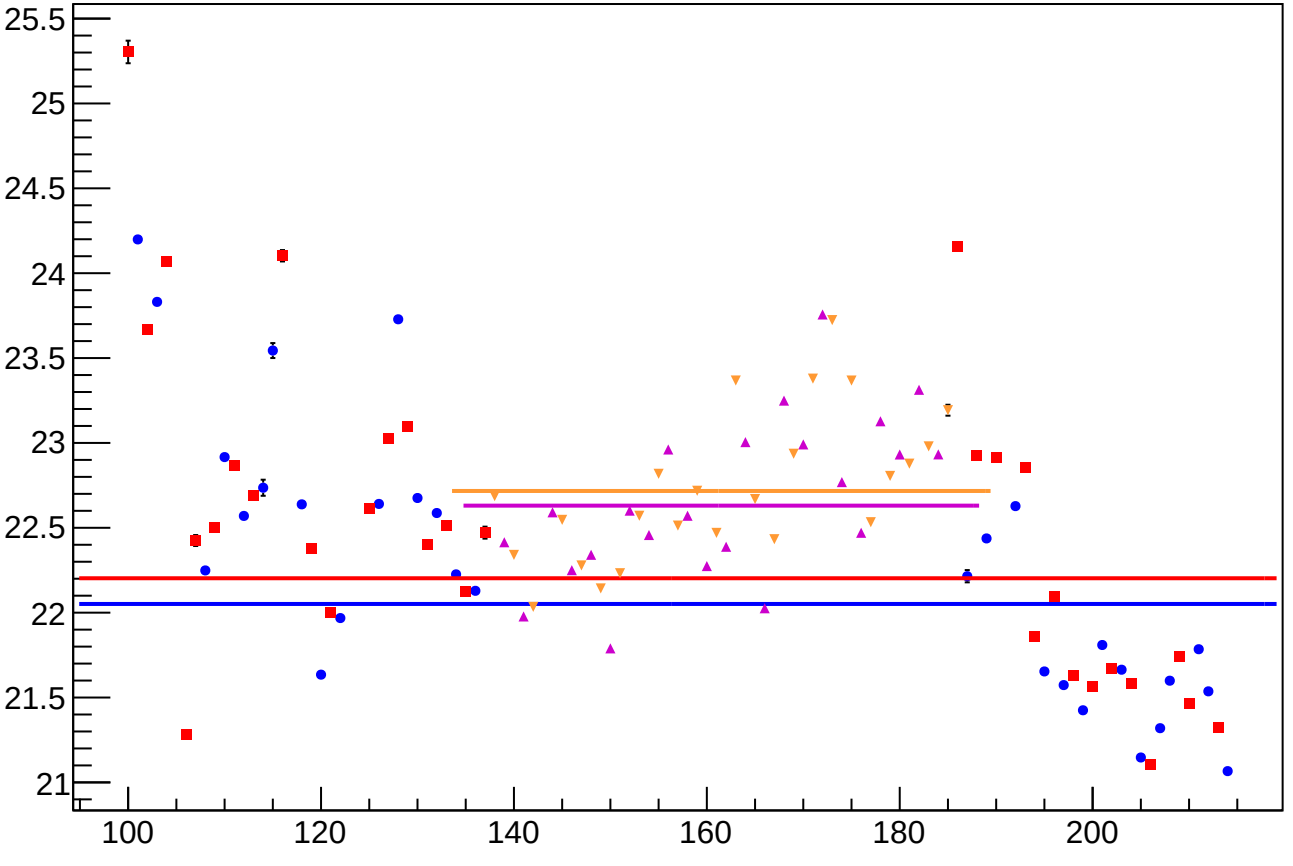
Out: -64.234+/-31.086 χ^2/NDF:73.9/55

All: -57.910+/-21.667 χ^2/NDF: 143.1/108


asym_bcm_dg_us_an_ds_avg_rms vs Slug, Sign Corrected
450
400
350
300
250
200
150
100
100
120
140
160
180
200
Right In: 170.954+/-0.029 χ²/NDF: 2302233.8/29
Left Out: 196.452+/-0.033 χ²/NDF:1723529.1/23
Right Out: 168.555+/-0.029 χ²/NDF: 2779353.8/31
Left In: 180.248+/-0.031 χ²/NDF:1627777.0/22
Left: 187.766+/-0.023 χ²/NDF: 3477190.3/46
Right: 169.745+/-0.021 χ²/NDF: 5084944.6/61
In: 175.338+/-0.021 χ²/NDF:3977165.3/52
Out: 180.611+/-0.022 χ²/NDF:4898150.0/55
All: 177.899+/-0.015 χ²/NDF: 8904902.5/108


asym_bcm_dg_us_an_ds_dd_mean vs Slug, Sign Corrected
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: 8.664+/-5.275 χ²/NDF:39.2/23
Right Out: 8.266+/-5.144 χ²/NDF: 29.0/31
Left In: 5.668+/-5.286 χ²/NDF:20.8/22
Left: 7.169+/-3.734 χ²/NDF: 60.1/46
Right: 1.831+/-3.640 χ²/NDF: 59.0/61
In: 0.389+/-3.690 χ²/NDF:49.6/52
Out: 8.460+/-3.683 χ²/NDF:68.2/55
All: 4.432+/-2.607 χ²/NDF: 120.2/108

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



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

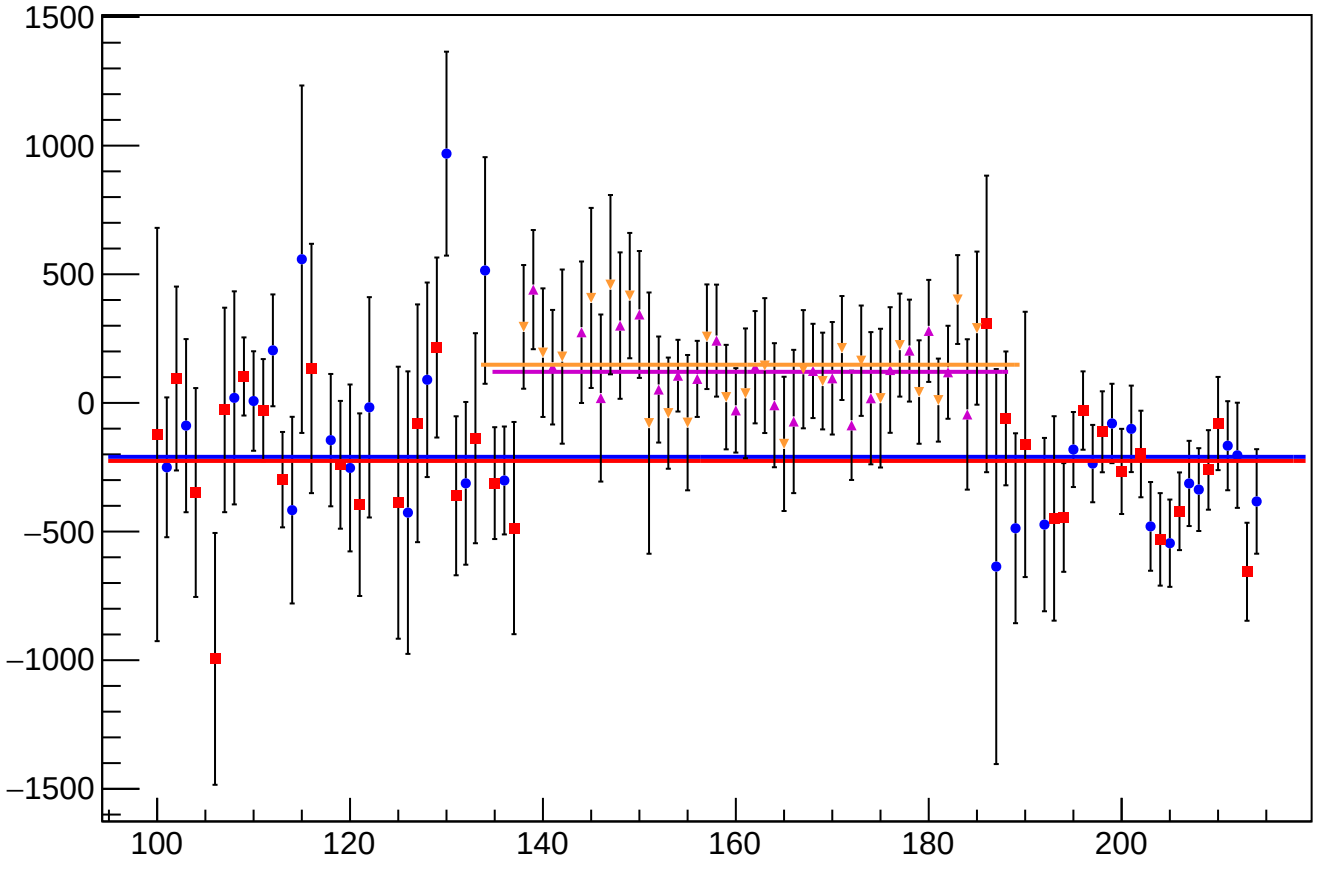
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.127+/-0.003 χ^2/NDF: 94061.9/61

In: 22.333+/-0.003 χ^2/NDF:72267.2/52

Out: 22.453+/-0.003 χ^2/NDF:70556.7/55

All: 22.394+/-0.002 χ^2/NDF: 143882.1/108



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

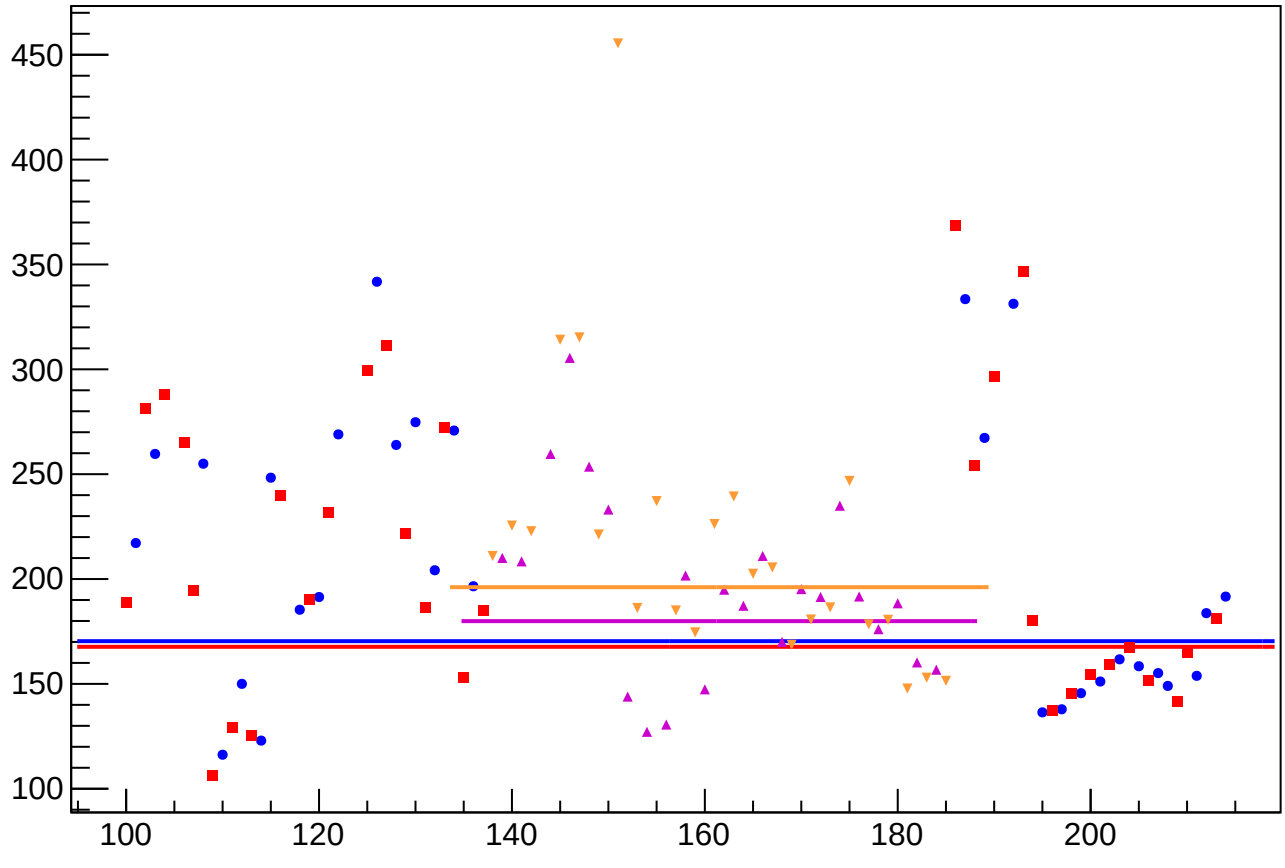
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -217.631+/-29.178 χ^2/NDF: 58.9/61

In: -53.986+/-30.144 χ^2/NDF:68.5/52

Out: -64.382+/-30.992 χ^2/NDF:74.7/55

All: -59.040+/-21.609 χ^2/NDF: 143.3/108



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

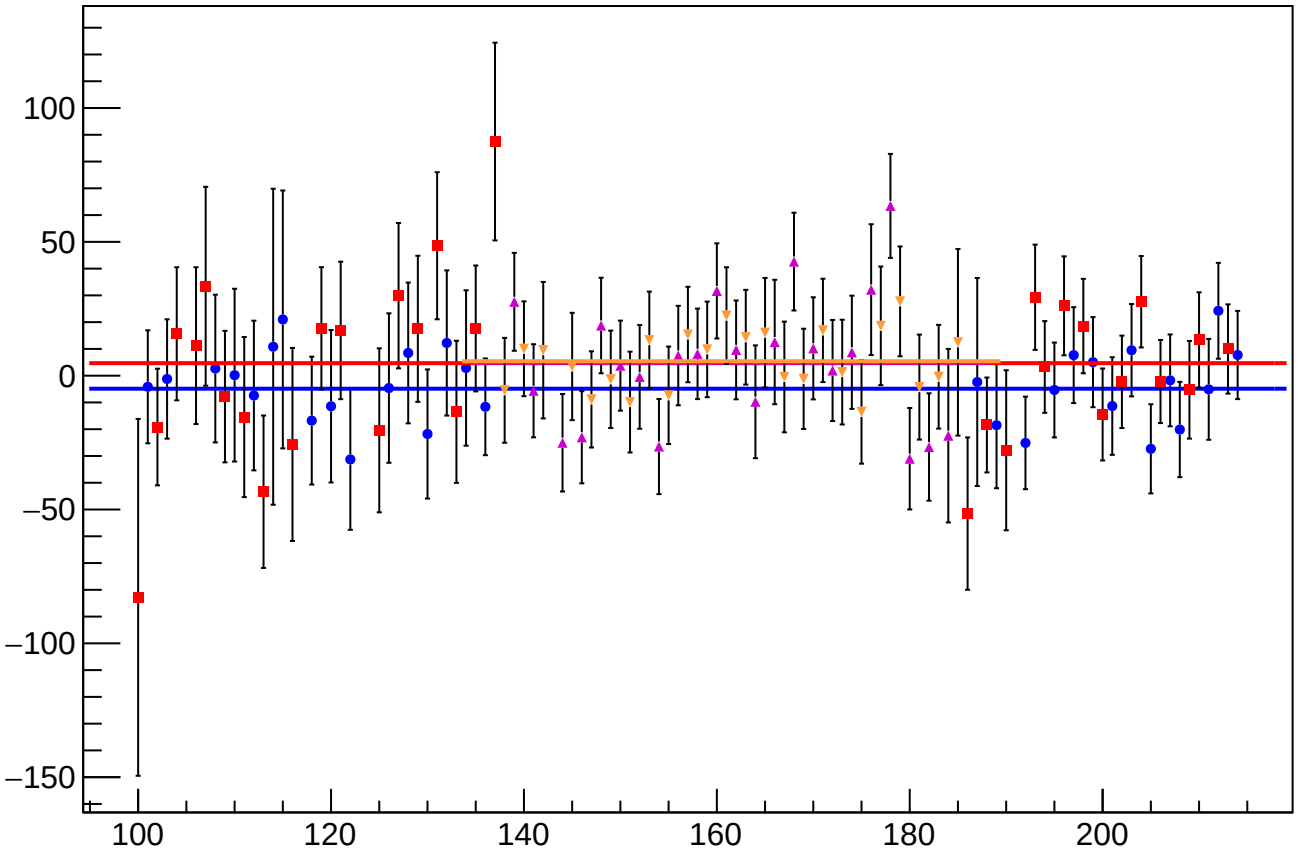
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 169.013+/-0.021 χ^2/NDF: 5186033.0/61

In: 174.868+/-0.021 χ^2/NDF:4008230.9/52

Out: 179.934+/-0.022 χ^2/NDF:4986761.7/55

All: 177.331+/-0.015 χ^2/NDF: 9022451.6/108



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

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

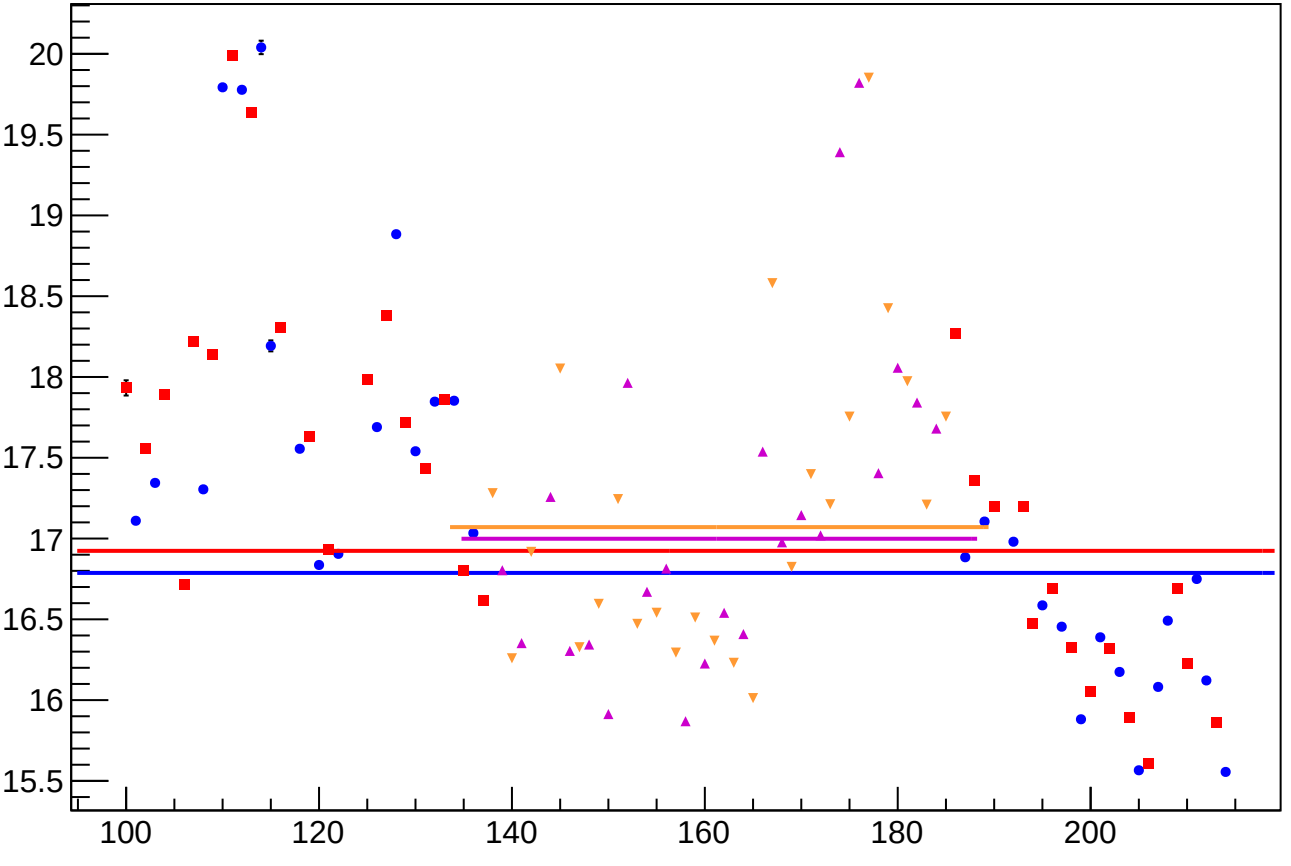
Right: -0.093+/-2.777 χ^2/NDF: 48.3/61

In: -0.069+/-2.796 χ^2/NDF:50.9/52

Out: 5.038+/-2.793 χ^2/NDF:40.8/55

All: 2.488+/-1.976 χ^2/NDF: 93.4/108

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



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

Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

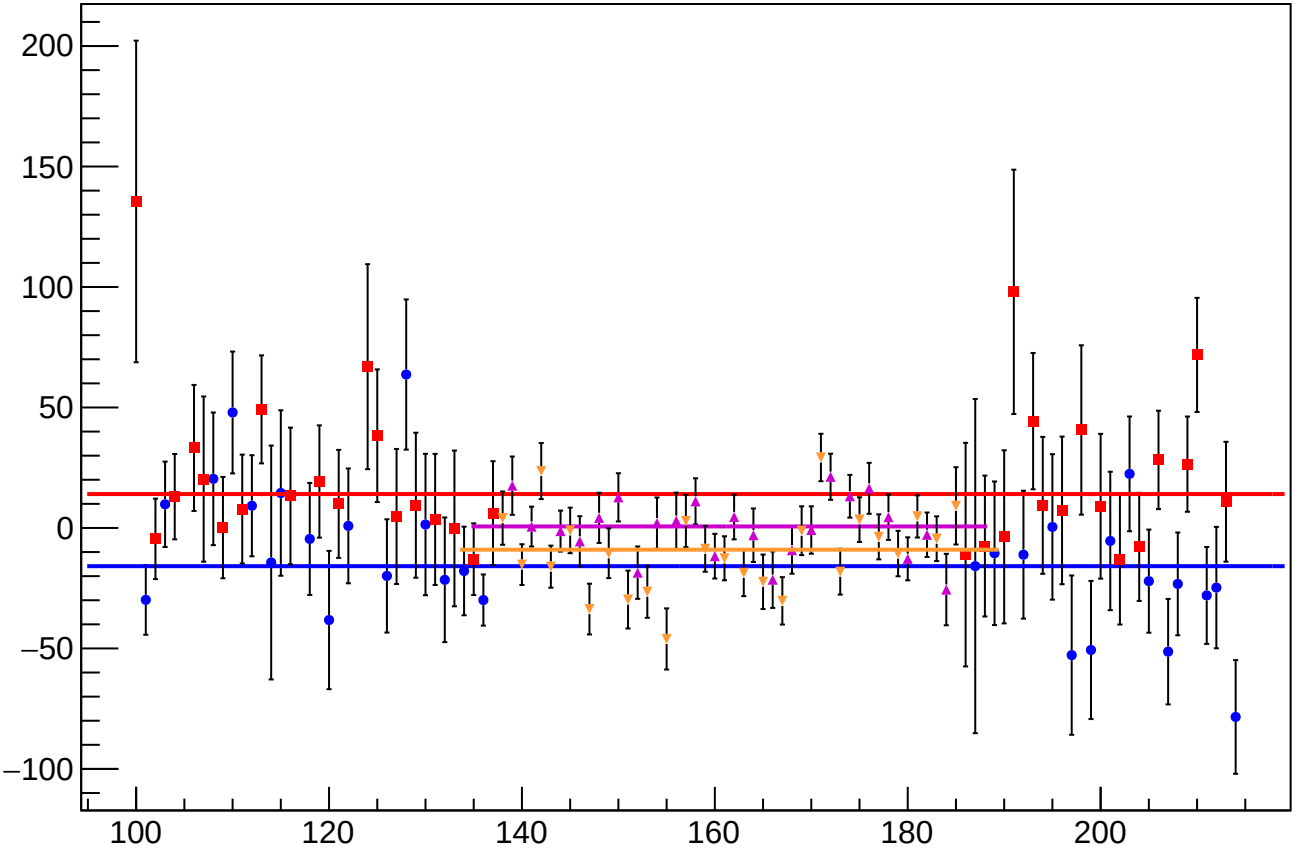
Right: 16.856+/-0.002 χ^2/NDF: 236980.6/61

In: 16.892+/-0.002 χ^2/NDF:221743.7/52

Out: 16.996+/-0.002 χ^2/NDF:218604.6/55

All: 16.944+/-0.001 χ^2/NDF: 441754.9/108

diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected



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

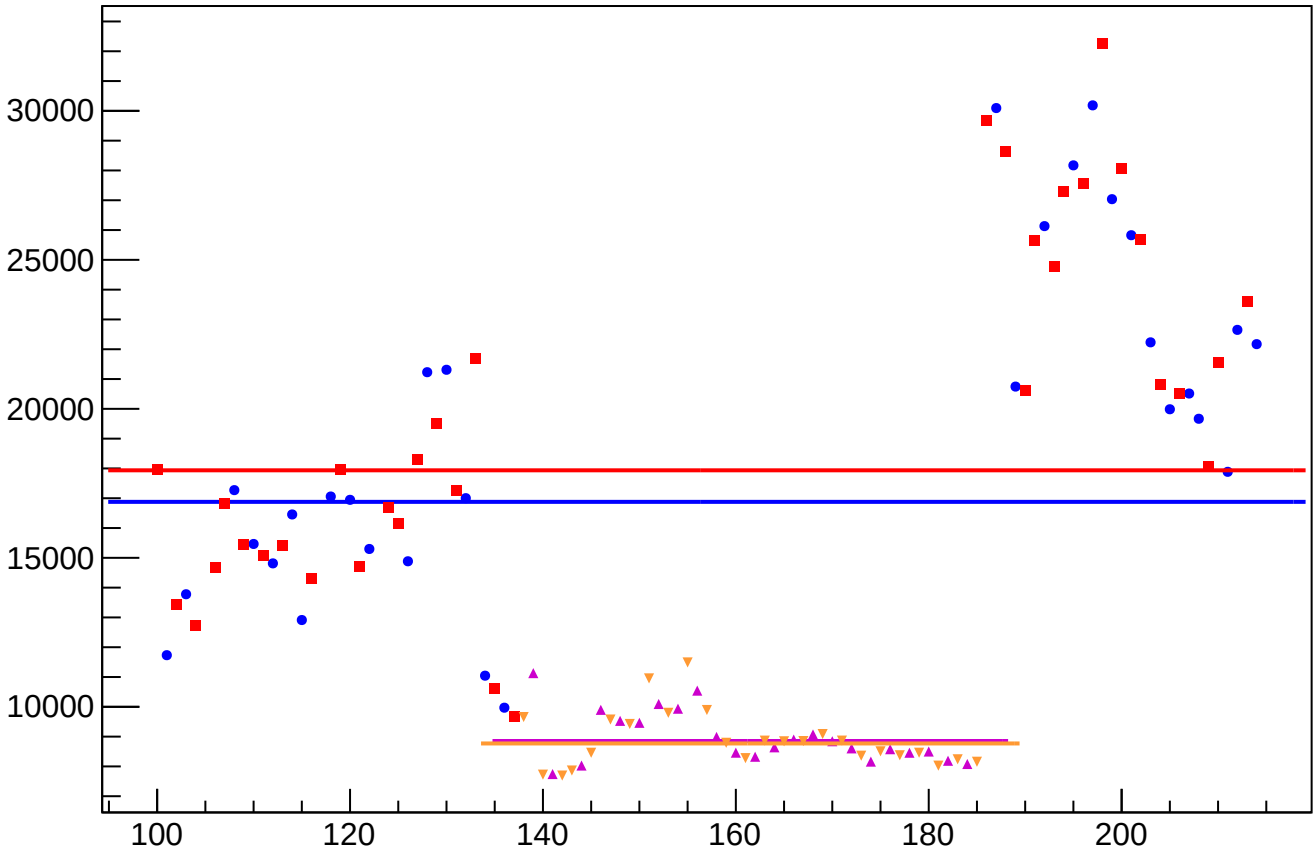
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

Right: -1.435+/-2.993 χ^2/NDF: 93.3/63

In: -2.670+/-1.860 χ^2/NDF:81.6/52

Out: -4.915+/-1.819 χ^2/NDF:114.4/58

All: -3.817+/-1.300 χ^2/NDF: 196.8/111



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

Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

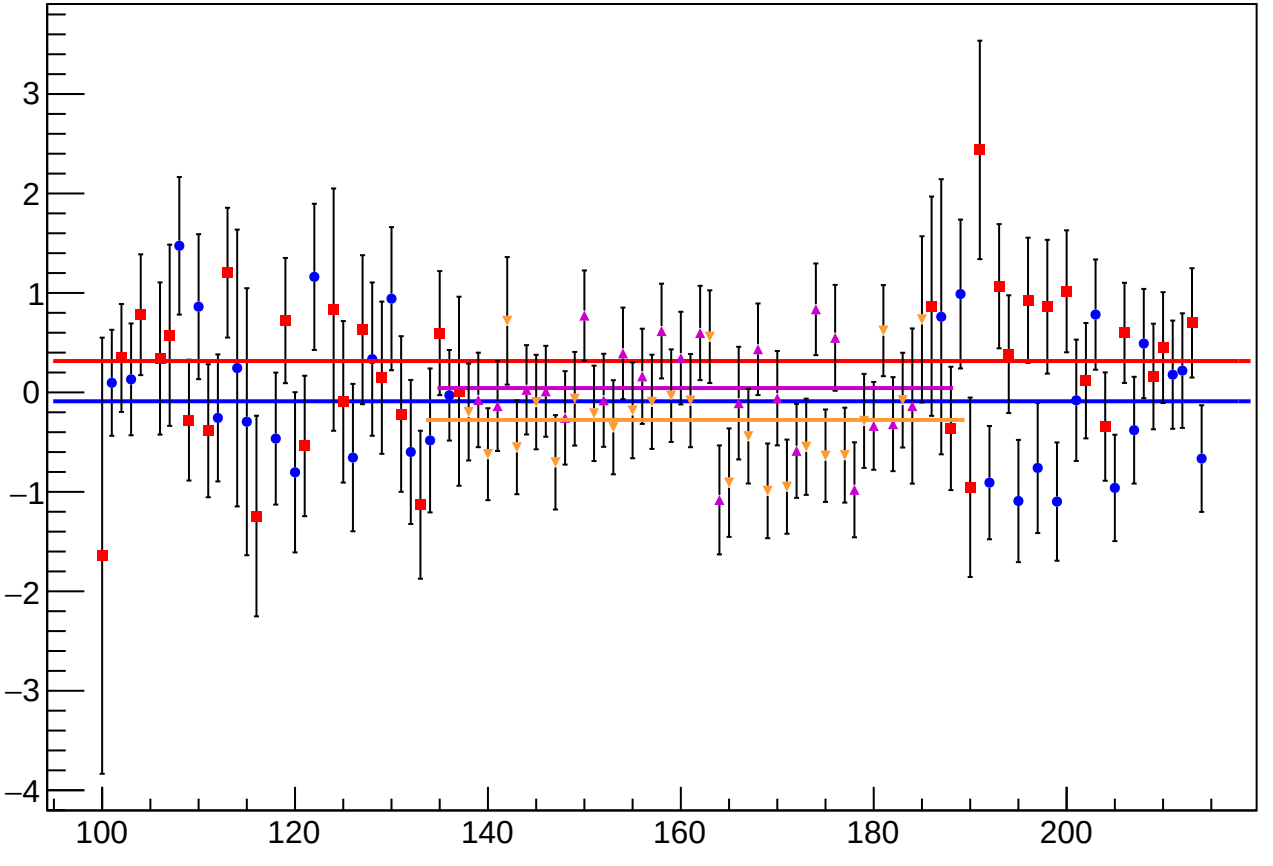
Right: 17388.707+/-2.116 χ^2/NDF: 6682031.5/63

In: 10457.651+/-1.315 χ^2/NDF:9623106.0/52

Out: 10402.472+/-1.286 χ^2/NDF:11032410.8/58

All: 10429.451+/-0.920 χ^2/NDF: 20656416.6

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



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

Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

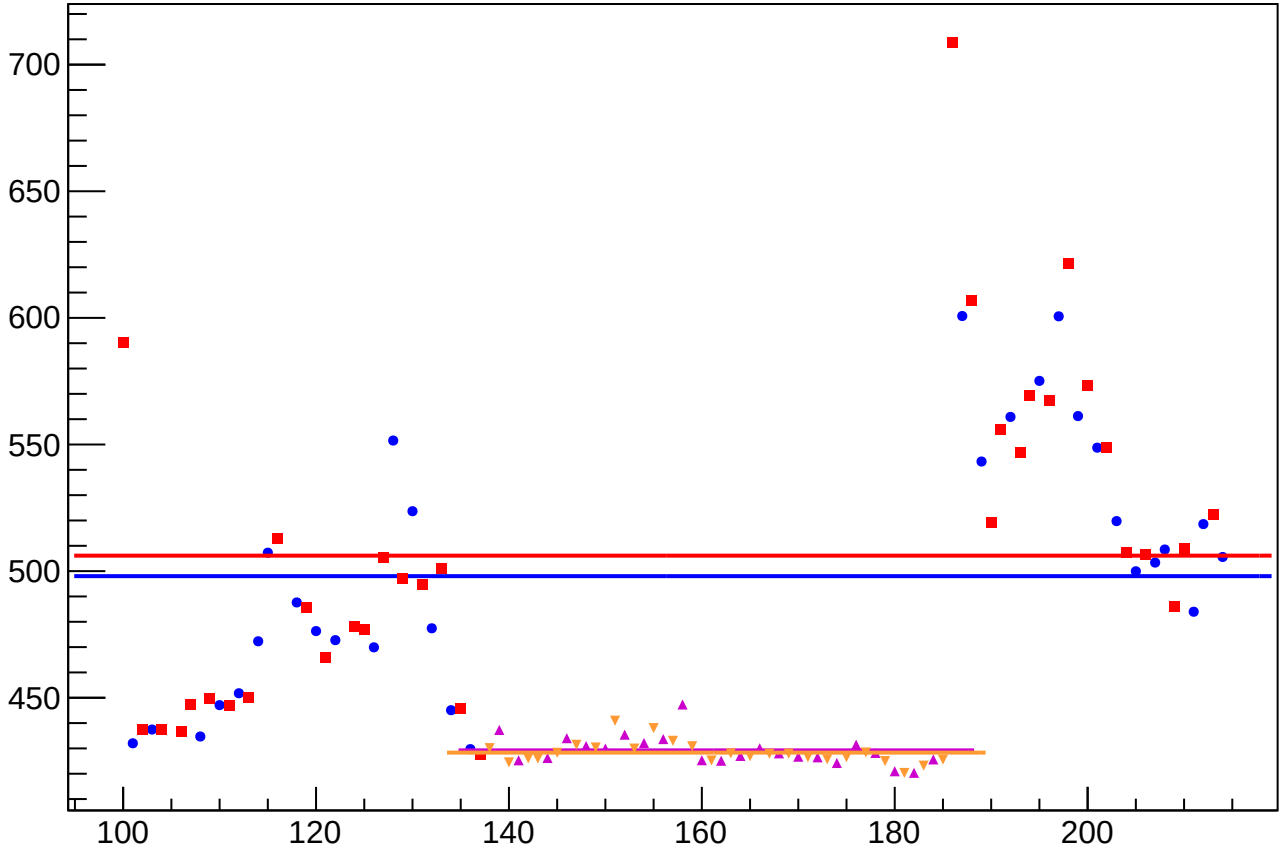
Right: 0.114+/-0.083 χ^2/NDF: 69.2/63

In: -0.013+/-0.076 χ^2/NDF:58.9/52

Out: -0.034+/-0.075 χ^2/NDF:65.1/58

All: -0.023+/-0.053 χ^2/NDF: 124.1/111

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



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

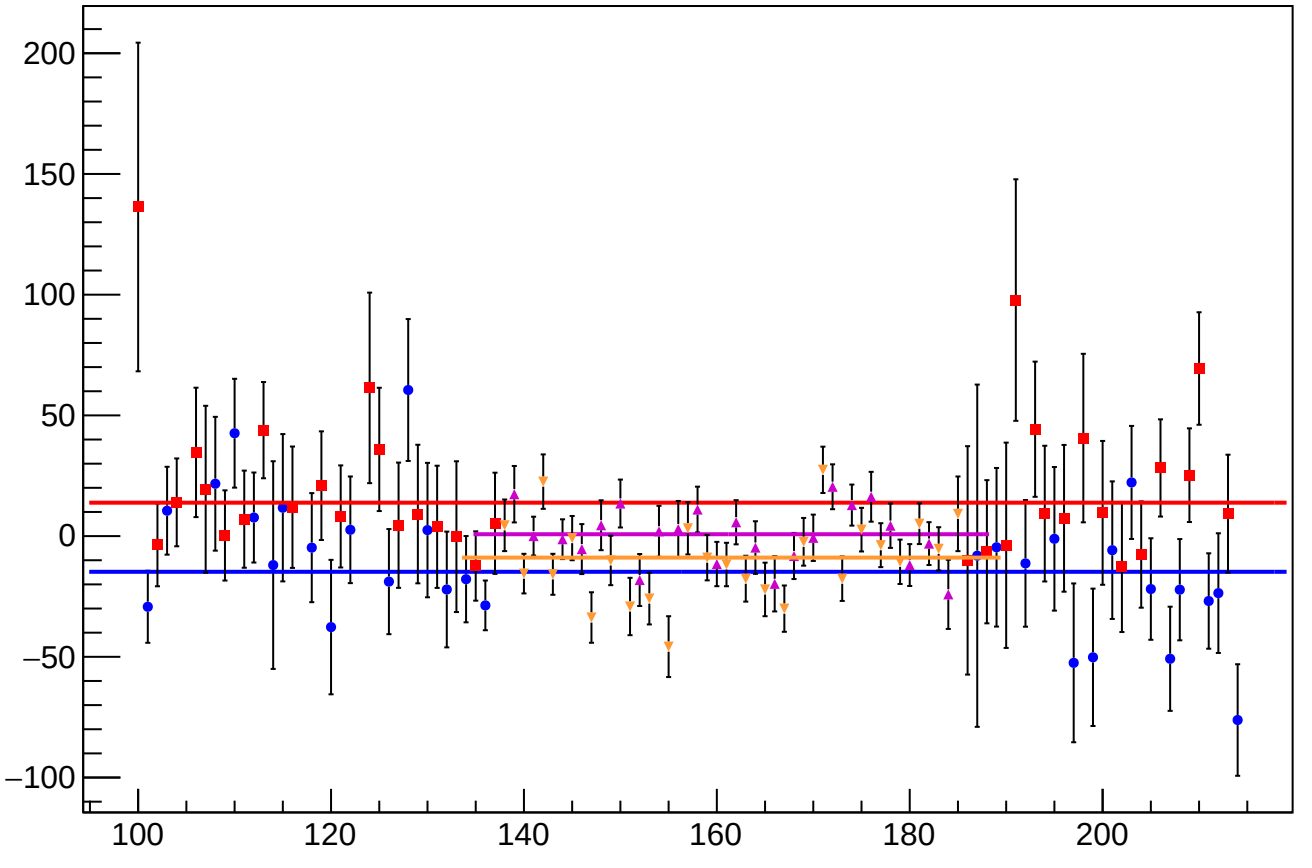
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

Right: 502.076+/-0.058 χ^2/NDF: 792986.5/63

In: 458.383+/-0.054 χ^2/NDF:742488.2/52

Out: 460.255+/-0.053 χ^2/NDF:979984.4/58

All: 459.336+/-0.038 χ^2/NDF: 1723088.5/111



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

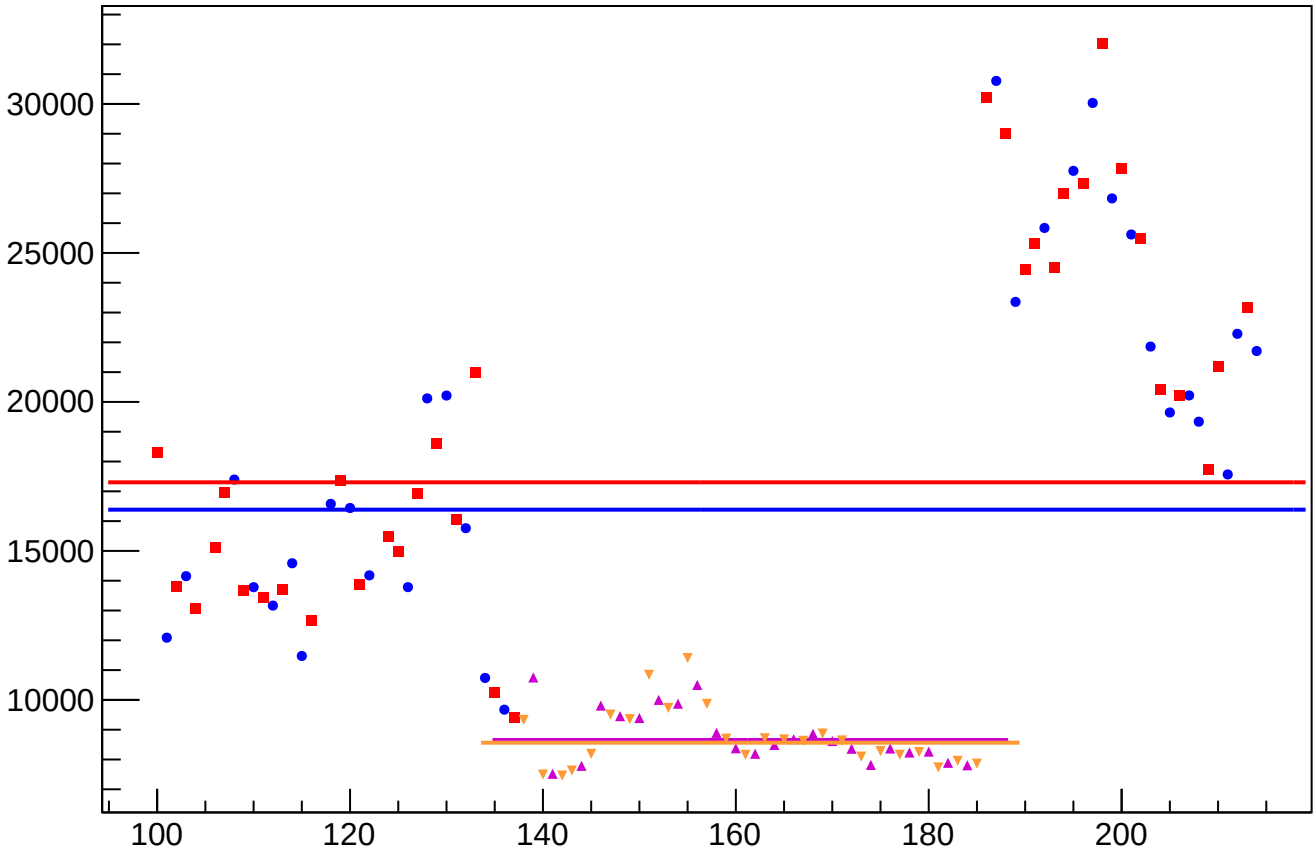
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

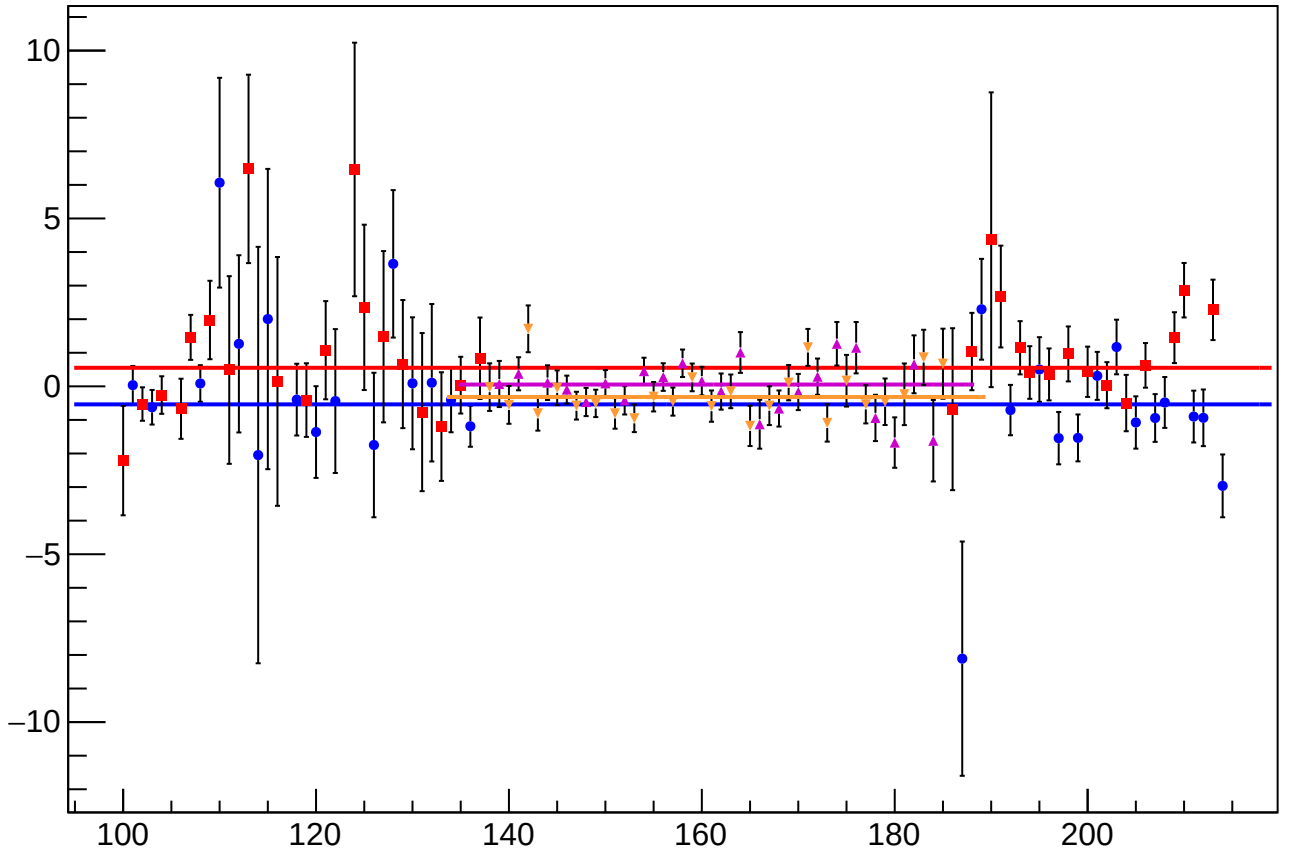
Right: -0.929+/-2.906 χ^2/NDF: 92.6/63

In: -2.366+/-1.817 χ^2/NDF:81.2/52

Out: -4.797+/-1.775 χ^2/NDF:114.1/58

All: -3.610+/-1.270 χ^2/NDF: 196.3/111


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
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
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 16828.633+/-2.055 χ²/NDF: 7161000.0/63
In: 10214.074+/-1.285 χ²/NDF:9720365.9/52
Out: 10141.850+/-1.255 χ²/NDF:11136009.7/58
All: 10177.116+/-0.898 χ²/NDF: 20857992.3



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

Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

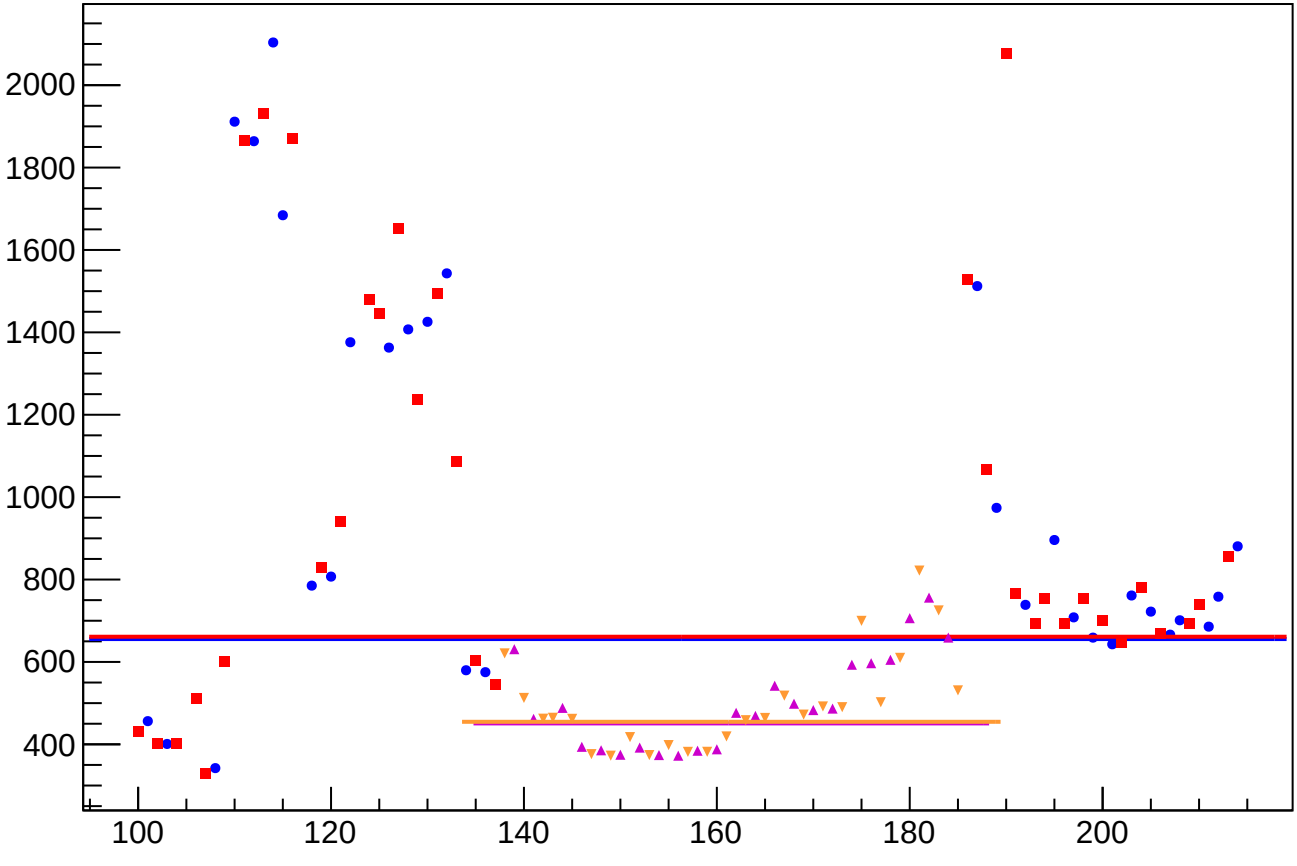
Right: 0.006+/-0.117 χ^2/NDF: 106.8/63

In: -0.124+/-0.090 χ^2/NDF:79.1/52

Out: -0.064+/-0.089 χ^2/NDF:96.6/58

All: -0.094+/-0.063 χ^2/NDF: 176.0/111

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



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

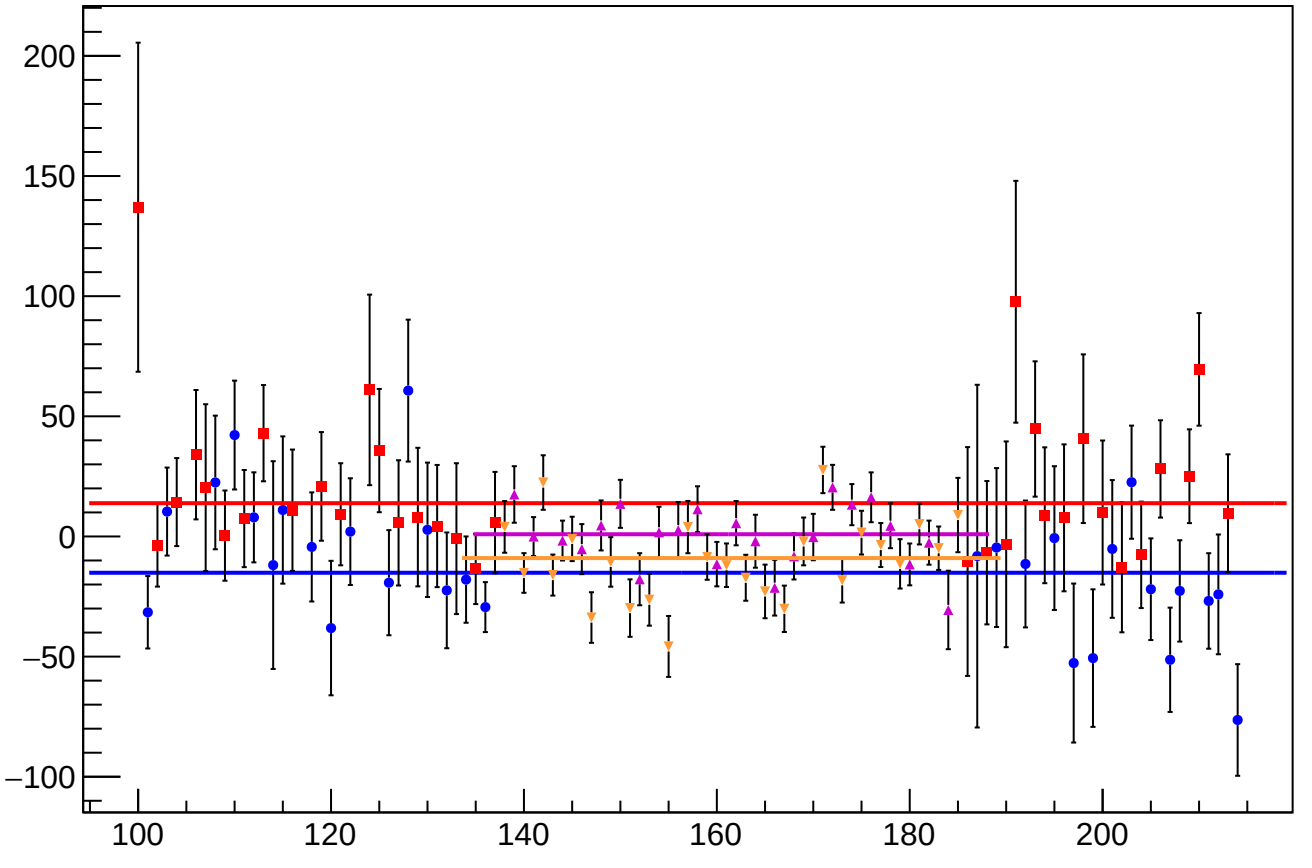
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

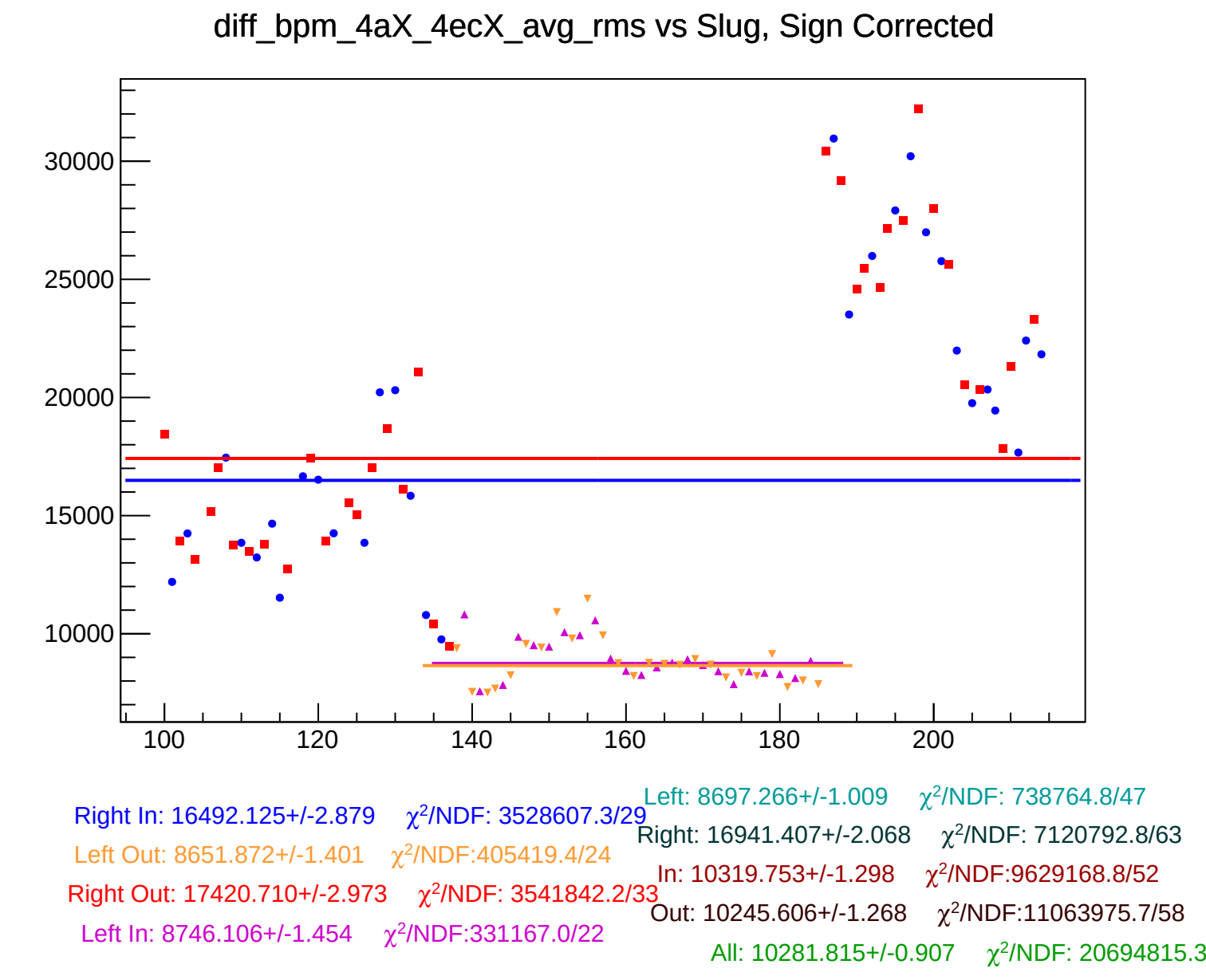
Right: 658.347+/-0.082 χ^2/NDF: 9123843.3/63

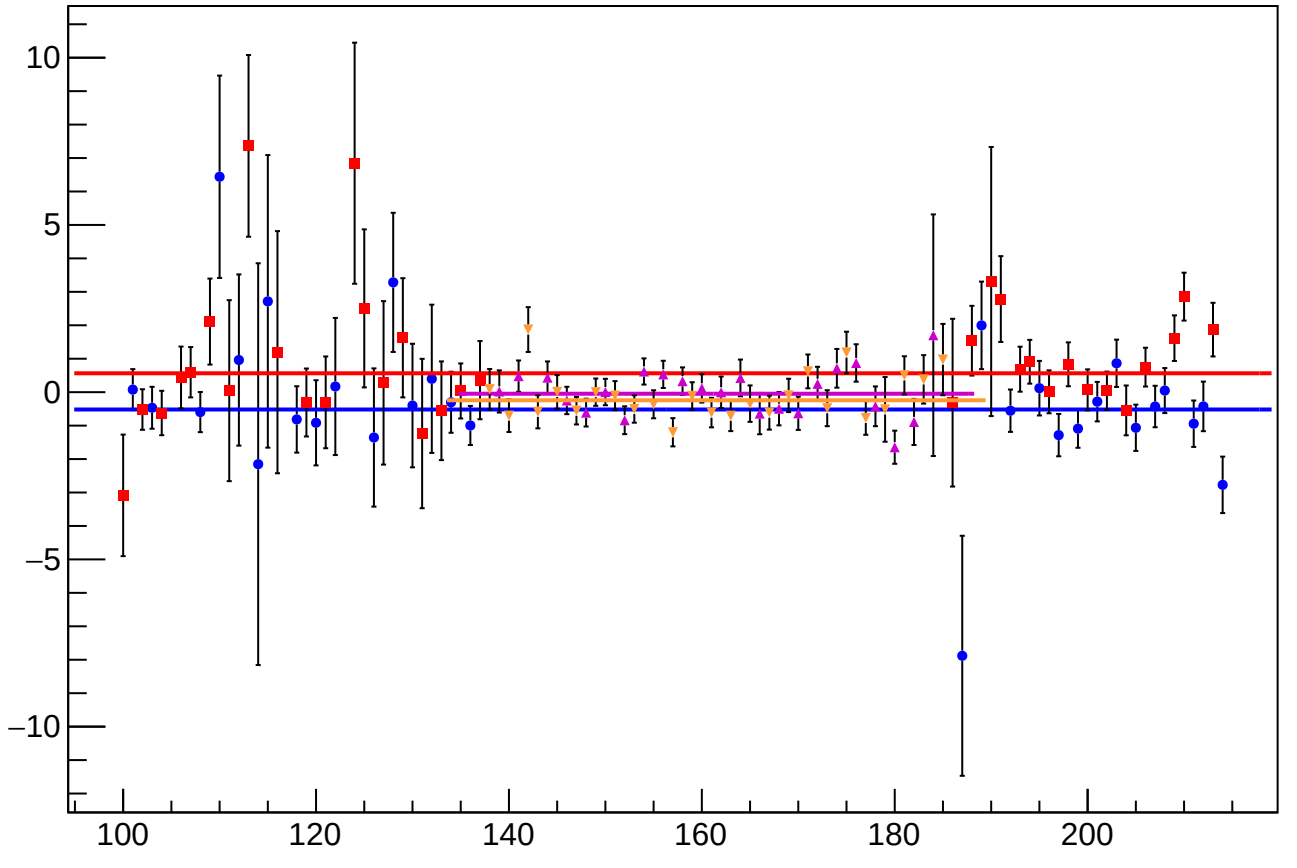
In: 512.520+/-0.064 χ^2/NDF:7931169.7/52

Out: 514.878+/-0.063 χ^2/NDF:8490007.0/58

All: 513.715+/-0.045 χ^2/NDF: 16421866.2/11


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -15.101+/-4.071 χ²/NDF: 40.5/29
Left Out: -9.001+/-1.982 χ²/NDF:61.3/24
Right Out: 13.849+/-4.205 χ²/NDF: 28.0/33
Left In: 0.925+/-2.056 χ²/NDF:29.9/22
Left: -4.219+/-1.427 χ²/NDF: 103.2/47
Right: -1.094+/-2.925 χ²/NDF: 92.9/63
In: -2.331+/-1.835 χ²/NDF:82.7/52
Out: -4.848+/-1.793 χ²/NDF:113.4/58
All: -3.619+/-1.282 χ²/NDF: 197.1/111


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
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
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 16941.407+/-2.068 χ²/NDF: 7120792.8/63
In: 10319.753+/-1.298 χ²/NDF:9629168.8/52
Out: 10245.606+/-1.268 χ²/NDF:11063975.7/58
All: 10281.815+/-0.907 χ²/NDF: 20694815.3



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

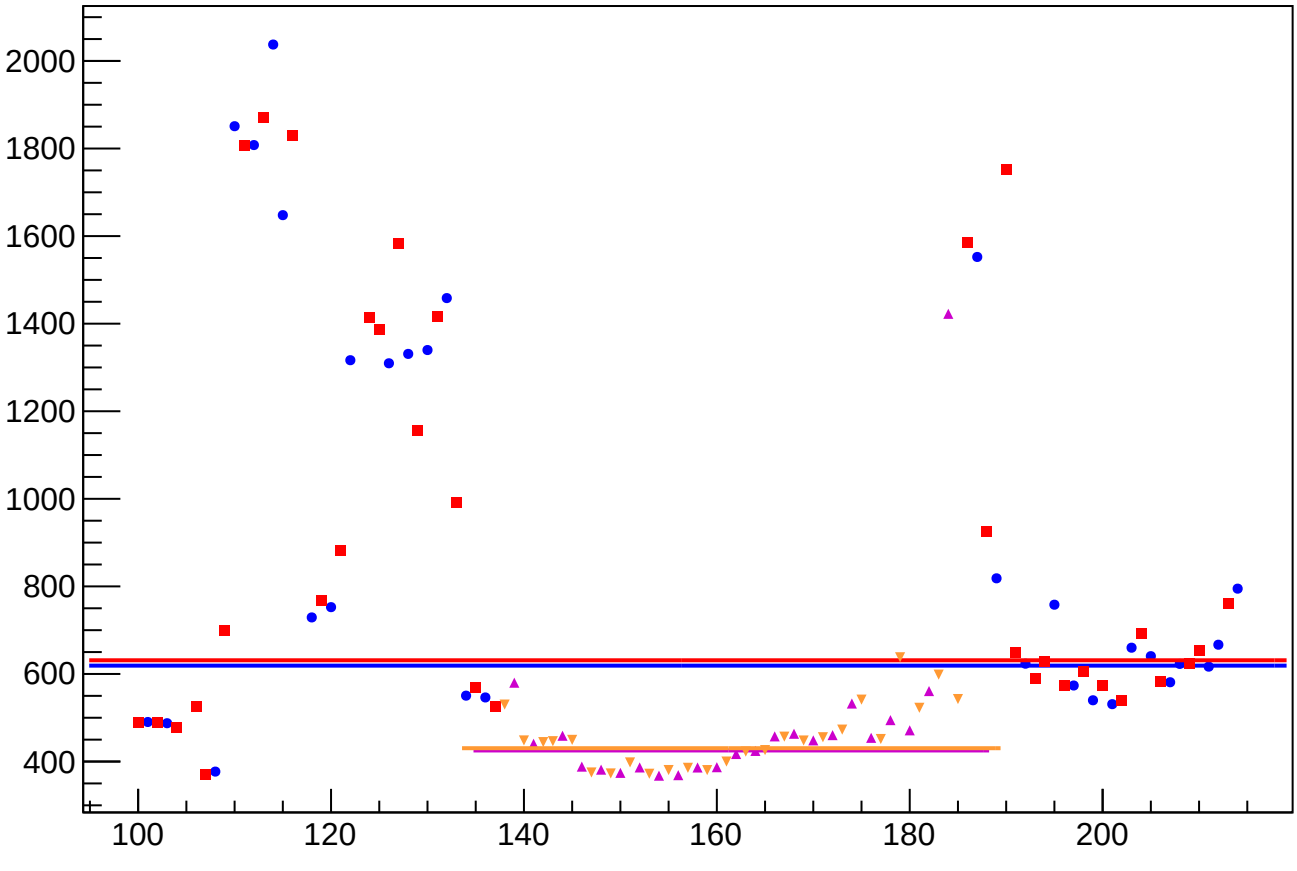
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: 0.017+/-0.109 χ^2/NDF: 110.3/63

In: -0.191+/-0.085 χ^2/NDF:77.4/52

Out: -0.005+/-0.084 χ^2/NDF:103.3/58

All: -0.097+/-0.060 χ^2/NDF: 183.0/111



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

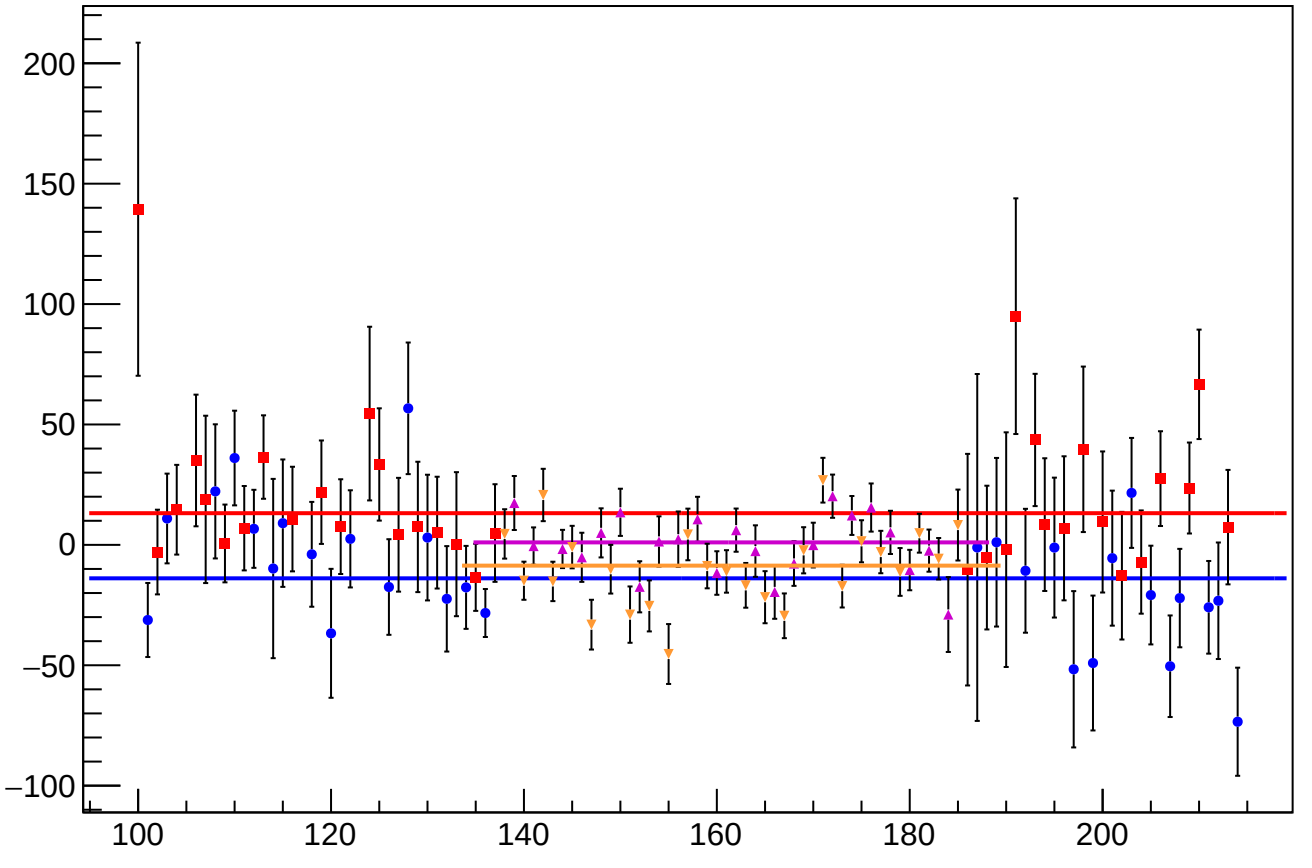
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 625.058+/-0.077 χ^2/NDF: 6880067.4/63

In: 484.442+/-0.060 χ^2/NDF:6237524.7/52

Out: 489.506+/-0.060 χ^2/NDF:6583703.6/58

All: 486.988+/-0.042 χ^2/NDF: 12824826.7/11



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

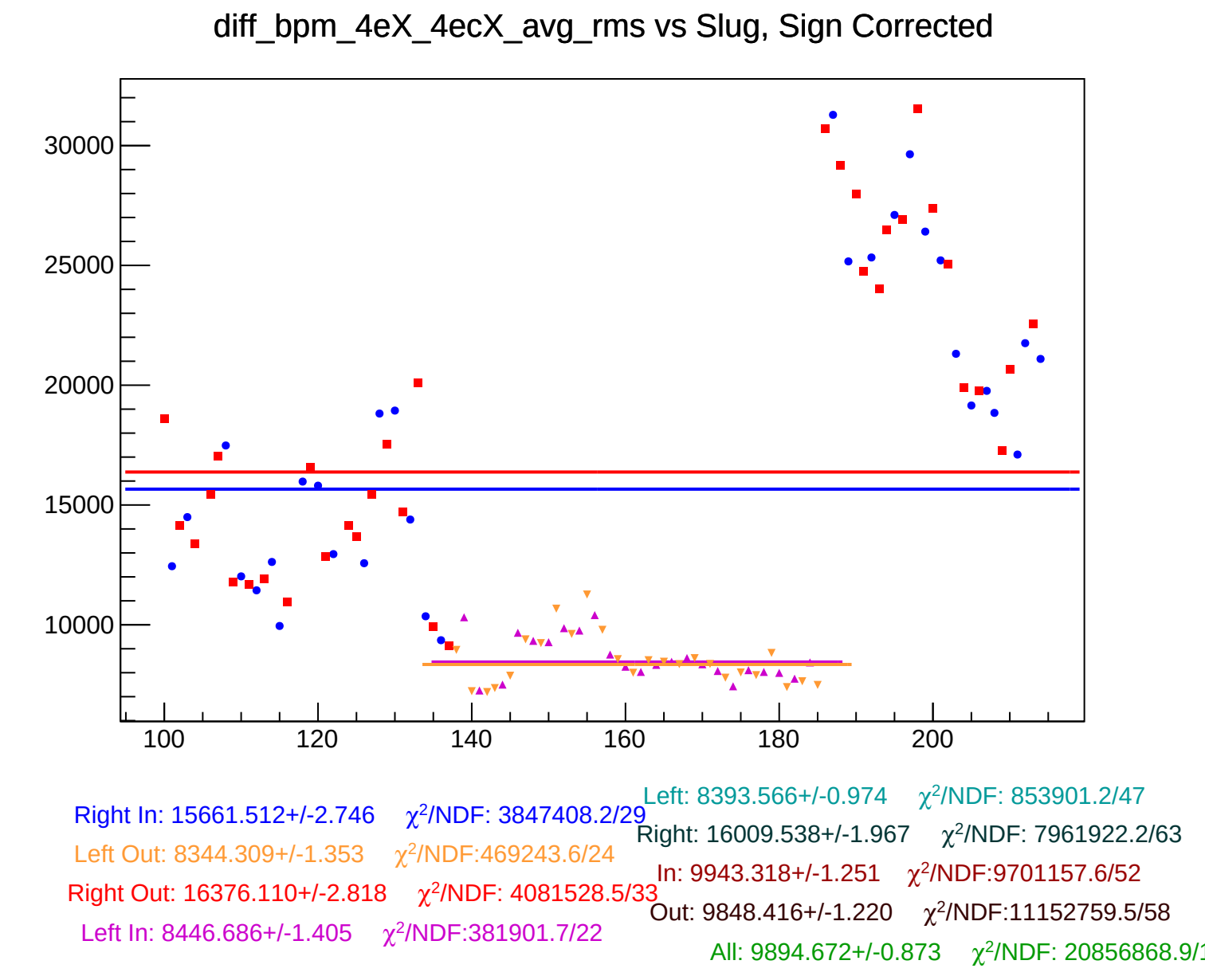
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

Right: -0.720+/-2.781 χ^2/NDF: 92.7/63

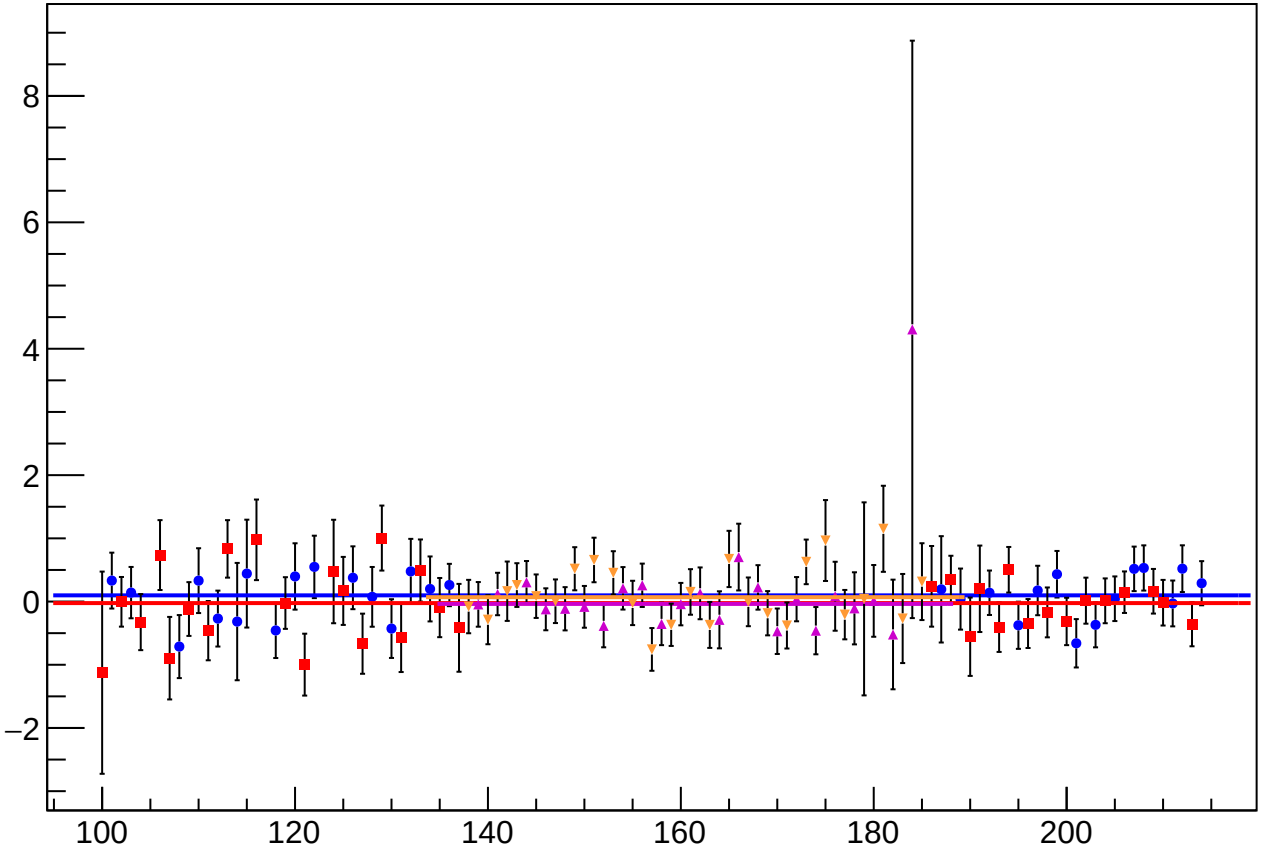
In: -2.068+/-1.769 χ^2/NDF:82.8/52

Out: -4.544+/-1.725 χ^2/NDF:113.6/58

All: -3.337+/-1.235 χ^2/NDF: 197.4/111


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
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
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 16009.538+/-1.967 χ²/NDF: 7961922.2/63
In: 9943.318+/-1.251 χ²/NDF:9701157.6/52
Out: 9848.416+/-1.220 χ²/NDF:11152759.5/58
All: 9894.672+/-0.873 χ²/NDF: 20856868.9/1

diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected



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

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

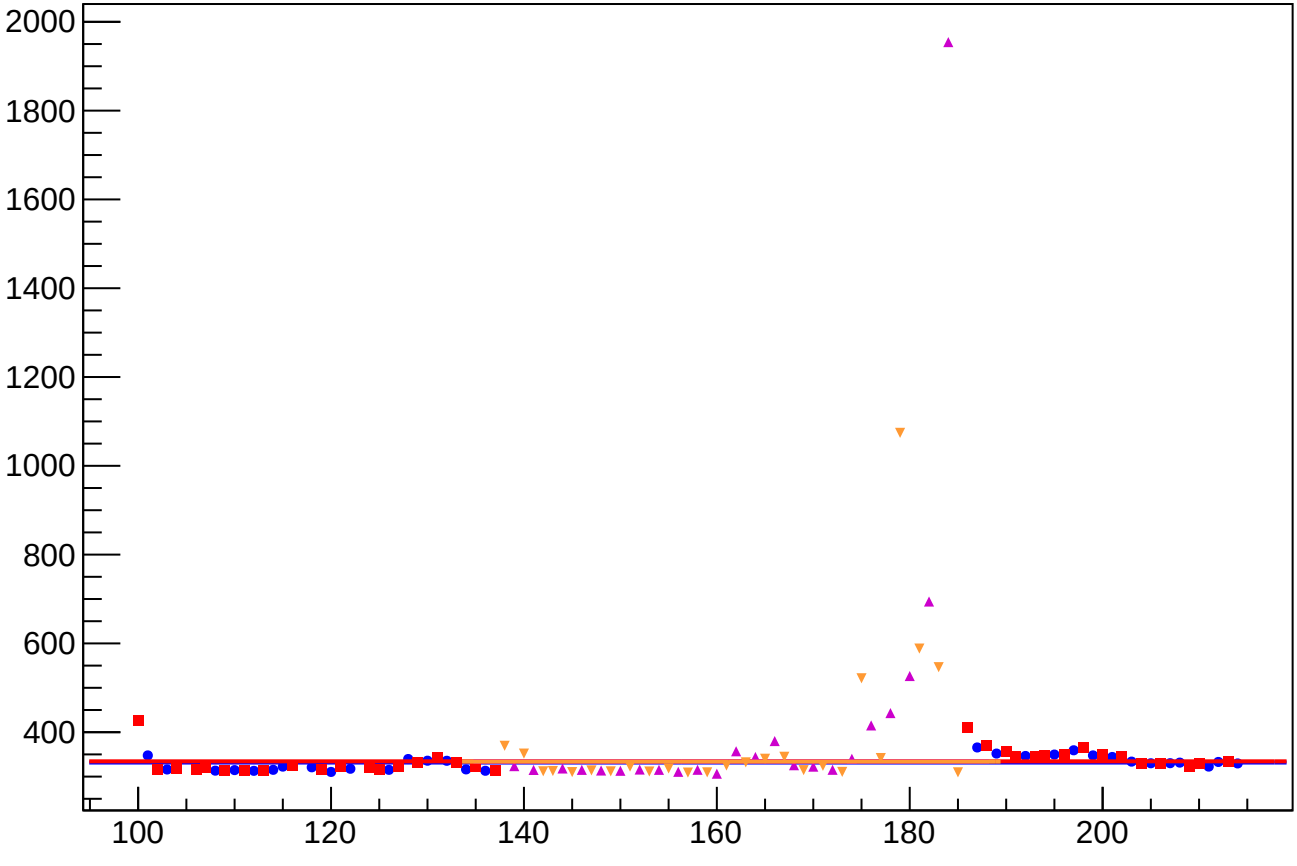
Right: 0.036+/-0.055 χ^2/NDF: 55.7/63

In: 0.033+/-0.056 χ^2/NDF:35.3/52

Out: 0.021+/-0.055 χ^2/NDF:61.2/58

All: 0.027+/-0.039 χ^2/NDF: 96.5/111

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



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

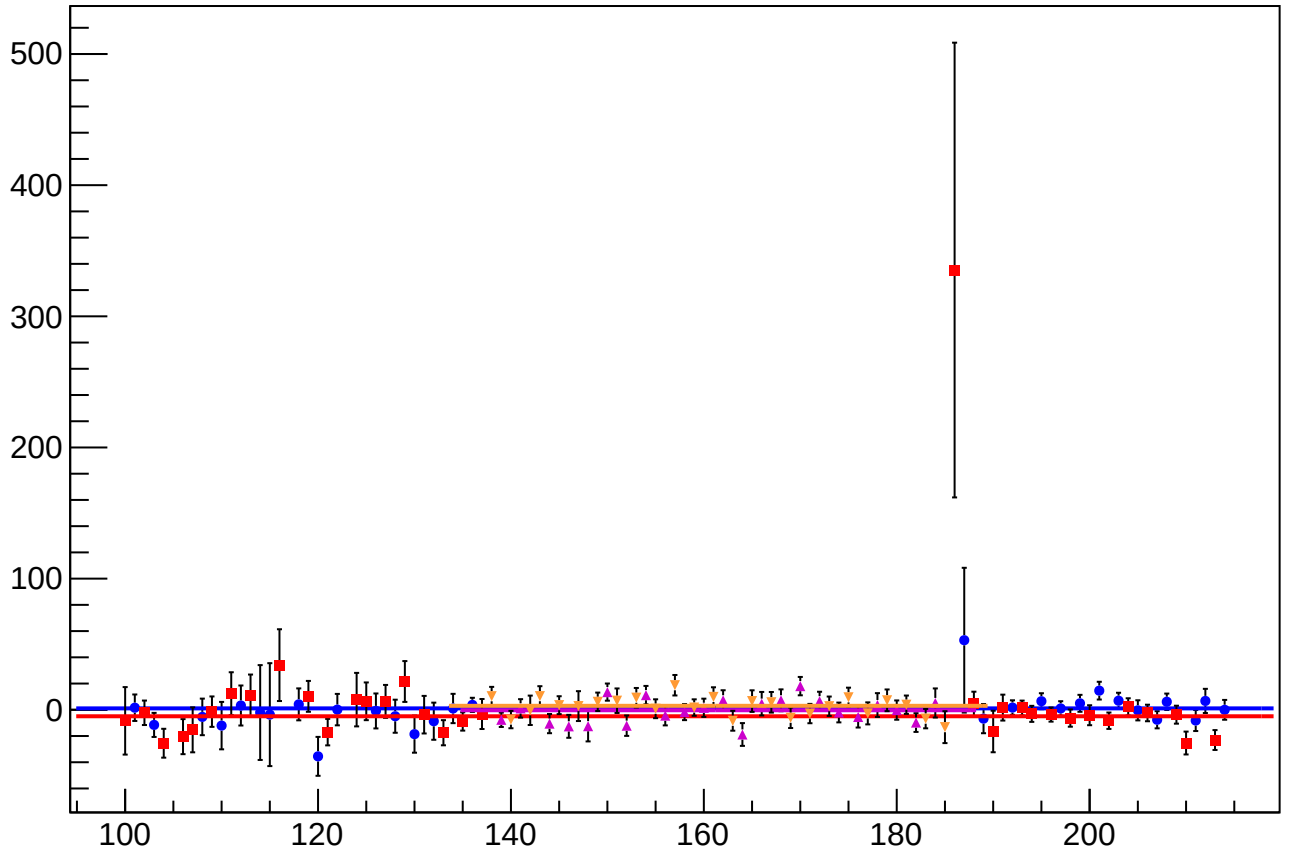
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 333.045+/-0.039 χ^2/NDF: 184401.5/63

In: 332.757+/-0.040 χ^2/NDF:1116146.6/52

Out: 334.115+/-0.039 χ^2/NDF:1336129.7/58

All: 333.448+/-0.028 χ^2/NDF: 2452873.7/111



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

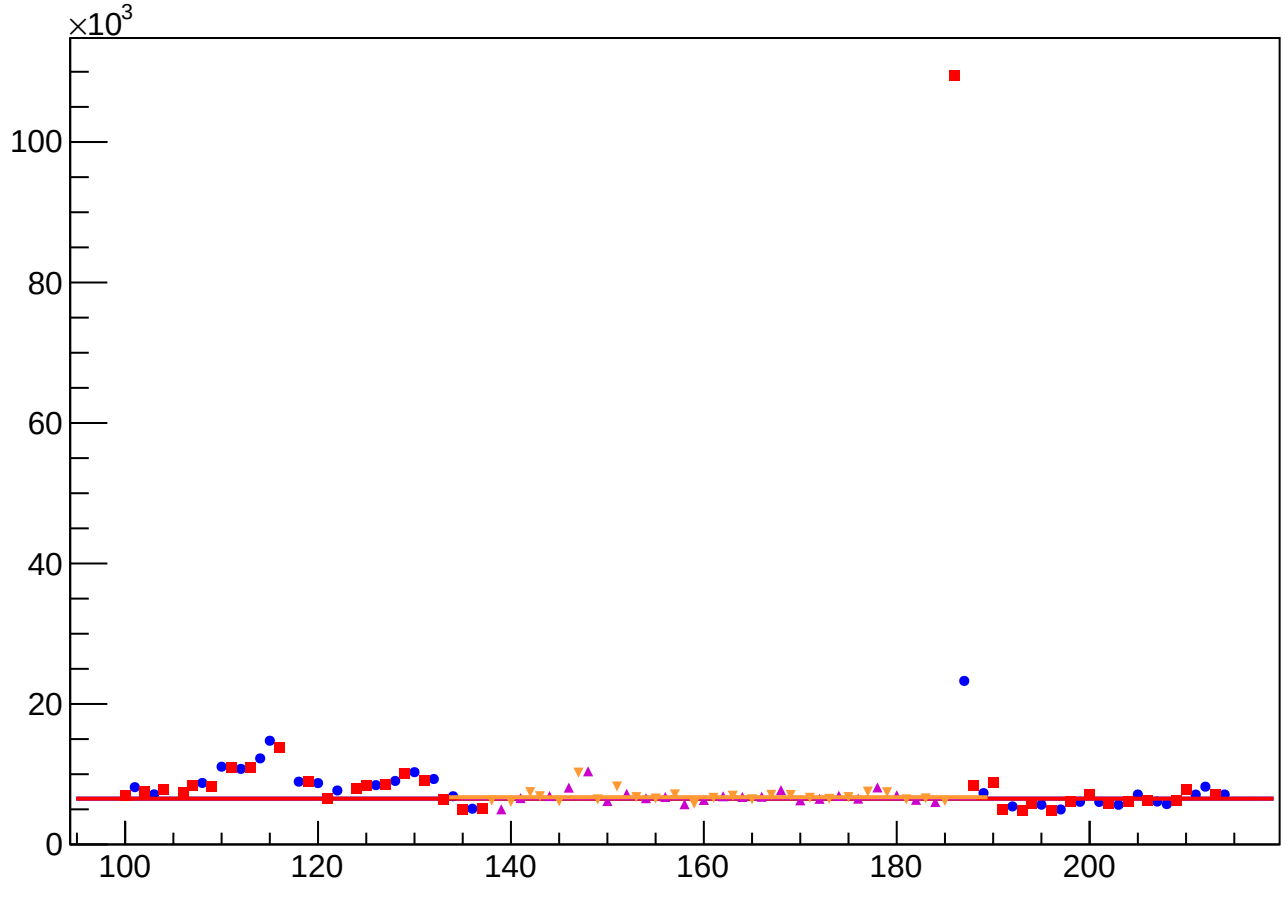
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.969+/-1.109 χ^2/NDF: 70.4/63

In: 0.355+/-1.112 χ^2/NDF:57.6/52

Out: -0.913+/-1.097 χ^2/NDF:73.2/58

All: -0.288+/-0.781 χ^2/NDF: 131.4/111



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

Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

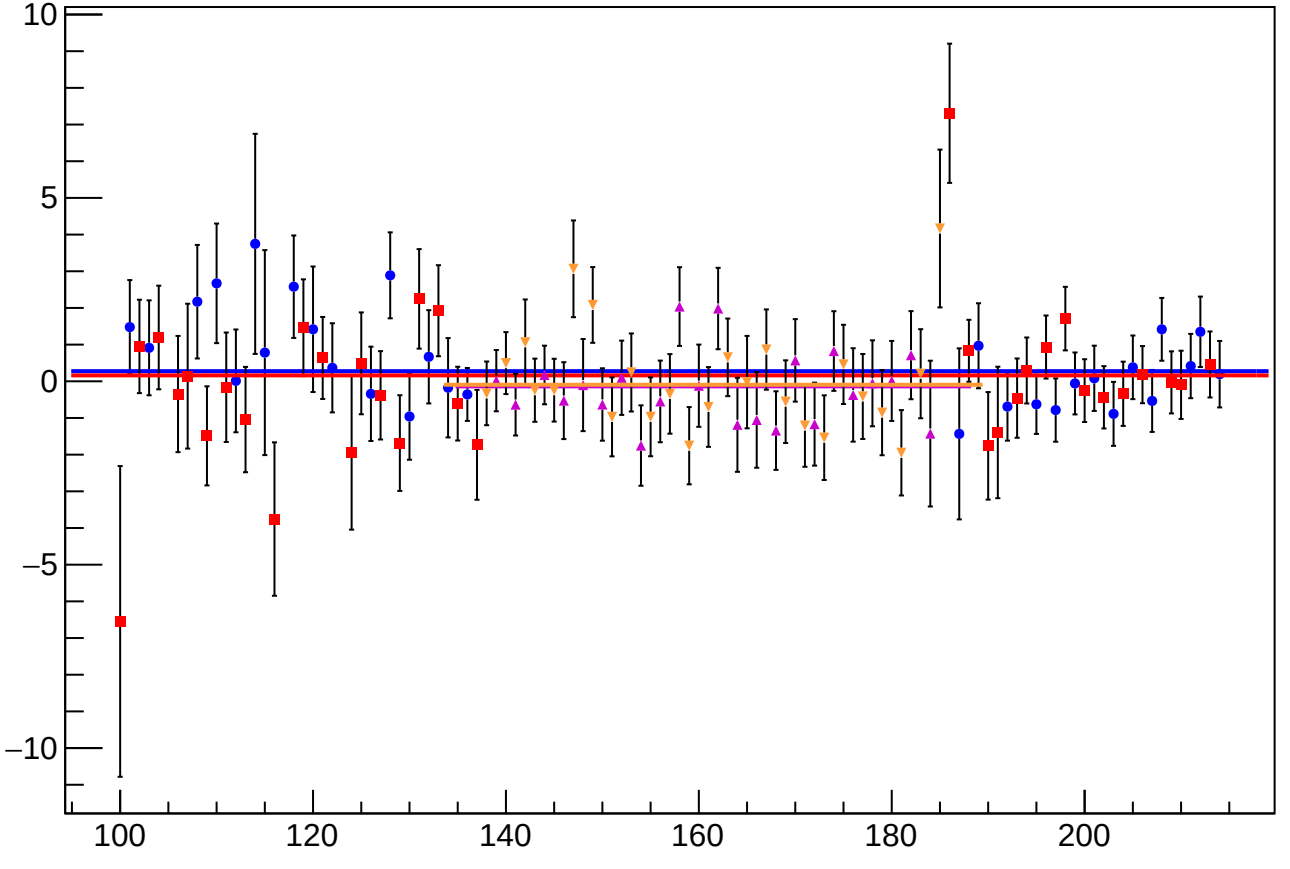
Right: 6521.708+/-0.784 χ^2/NDF: 4272108.6/63

In: 6578.931+/-0.786 χ^2/NDF:2465230.9/52

Out: 6622.174+/-0.776 χ^2/NDF:2861718.5/58

All: 6600.844+/-0.552 χ^2/NDF: 5328483.0/11

diff_bpm_4aY_4acY_dd_mean vs Slug, Sign Corrected



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

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

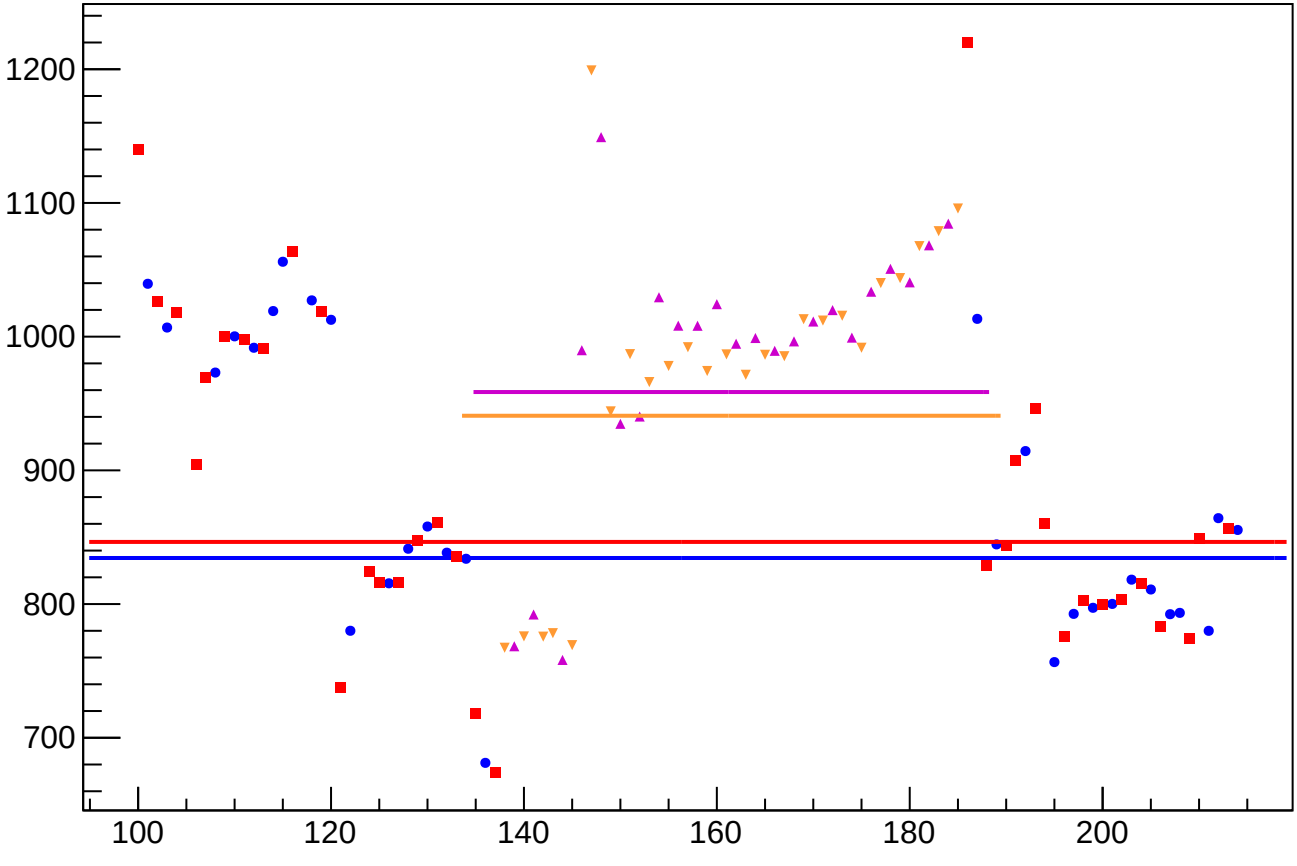
Right: 0.218+/-0.138 χ^2/NDF: 70.7/63

In: 0.098+/-0.148 χ^2/NDF:45.7/52

Out: 0.046+/-0.145 χ^2/NDF:71.3/58

All: 0.071+/-0.103 χ^2/NDF: 117.1/111

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



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

Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

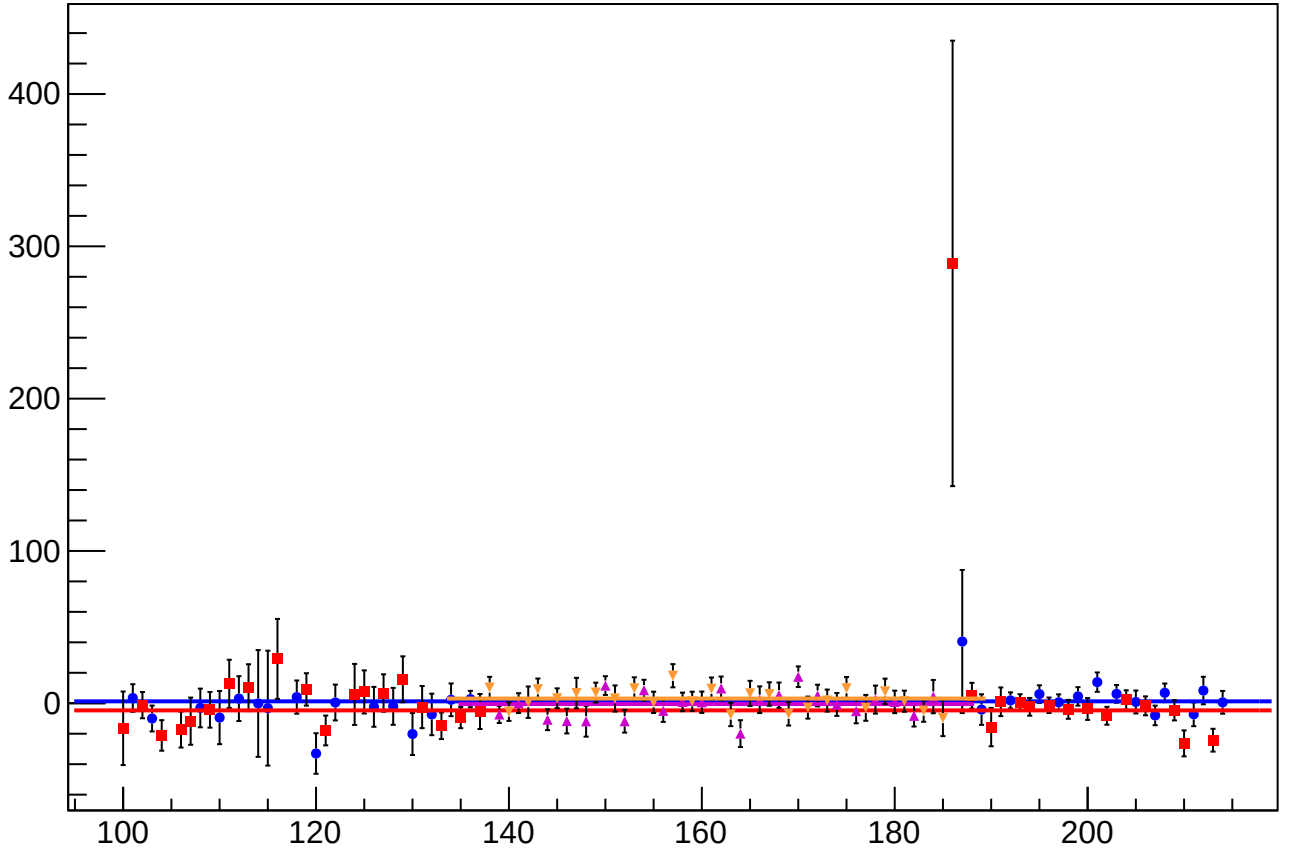
Right: 840.491+/-0.098 χ^2/NDF: 857807.6/63

In: 887.884+/-0.105 χ^2/NDF:1205693.7/52

Out: 888.994+/-0.102 χ^2/NDF:1230509.8/58

All: 888.452+/-0.073 χ^2/NDF: 2436261.1/111

diff_bpm_4aY_4eY_avg_mean vs Slug, Sign Corrected



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

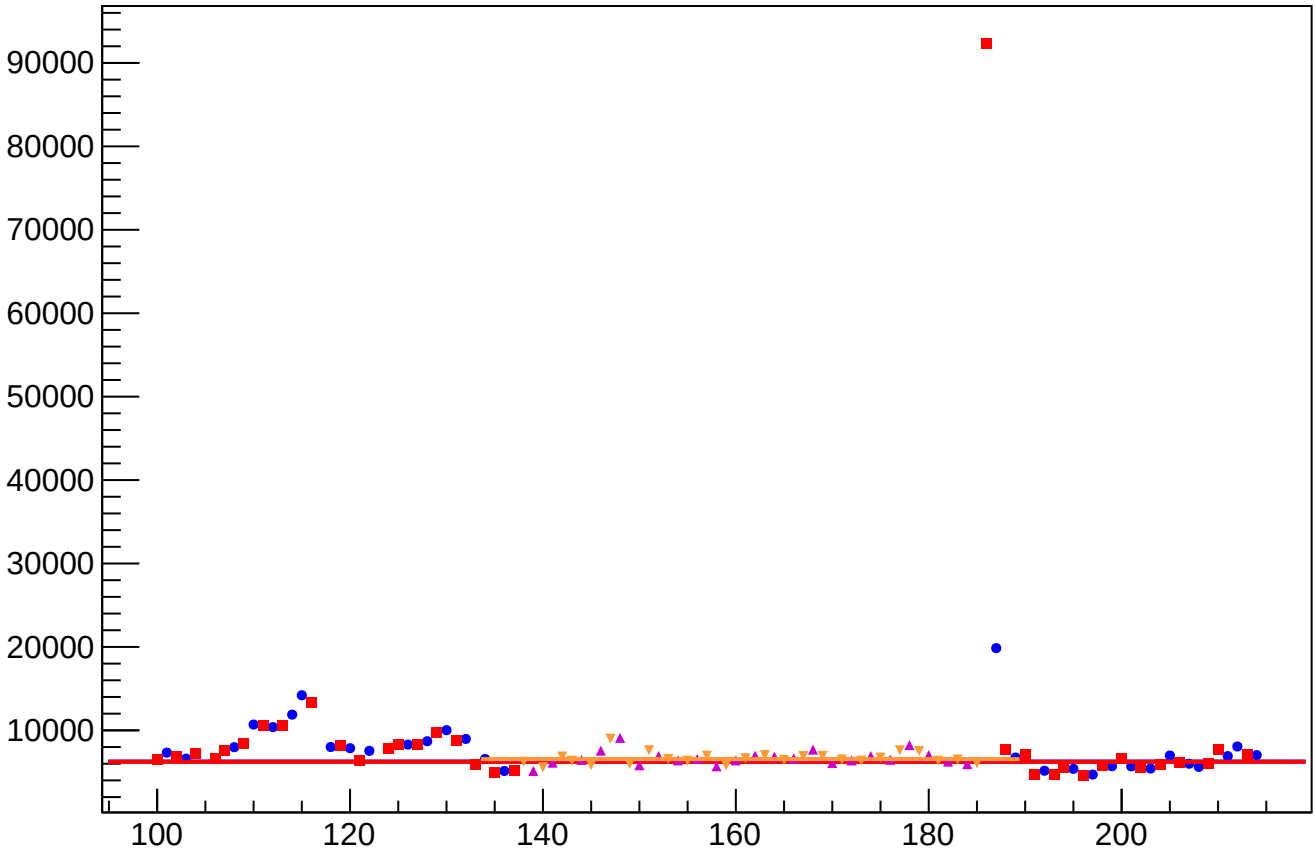
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -1.761+/-1.060 χ^2/NDF: 71.6/63

In: 0.381+/-1.077 χ^2/NDF:56.1/52

Out: -0.825+/-1.056 χ^2/NDF:72.5/58

All: -0.234+/-0.754 χ^2/NDF: 129.3/111



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

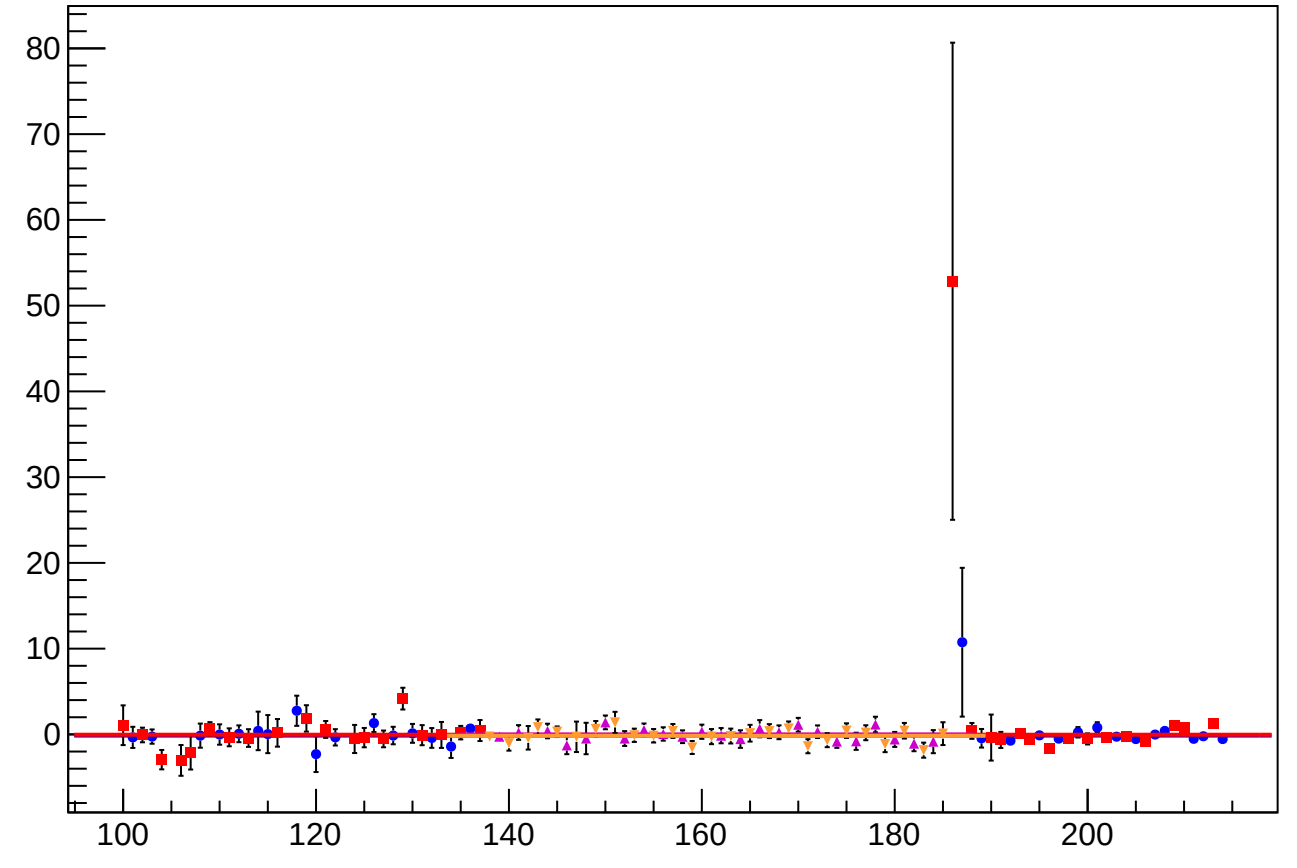
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6245.628+/-0.749 χ^2/NDF: 4151042.1/63

In: 6383.269+/-0.761 χ^2/NDF:2300555.6/52

Out: 6386.334+/-0.747 χ^2/NDF:2802741.9/58

All: 6384.831+/-0.533 χ^2/NDF: 5103305.8/11



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

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

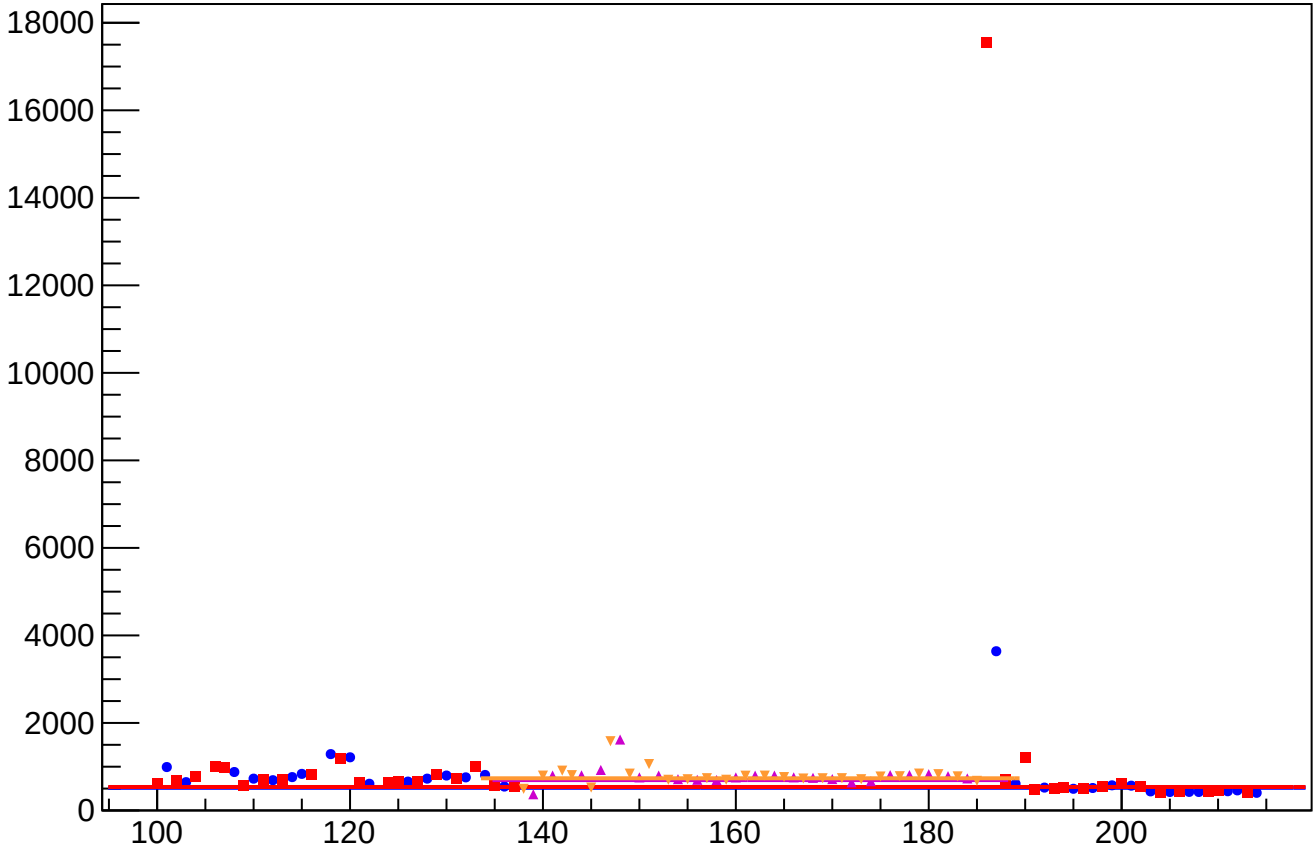
Right: -0.088+/-0.091 χ^2/NDF: 79.1/63

In: -0.094+/-0.101 χ^2/NDF:34.3/52

Out: -0.083+/-0.104 χ^2/NDF:79.3/58

All: -0.088+/-0.073 χ^2/NDF: 113.6/111

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



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

Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

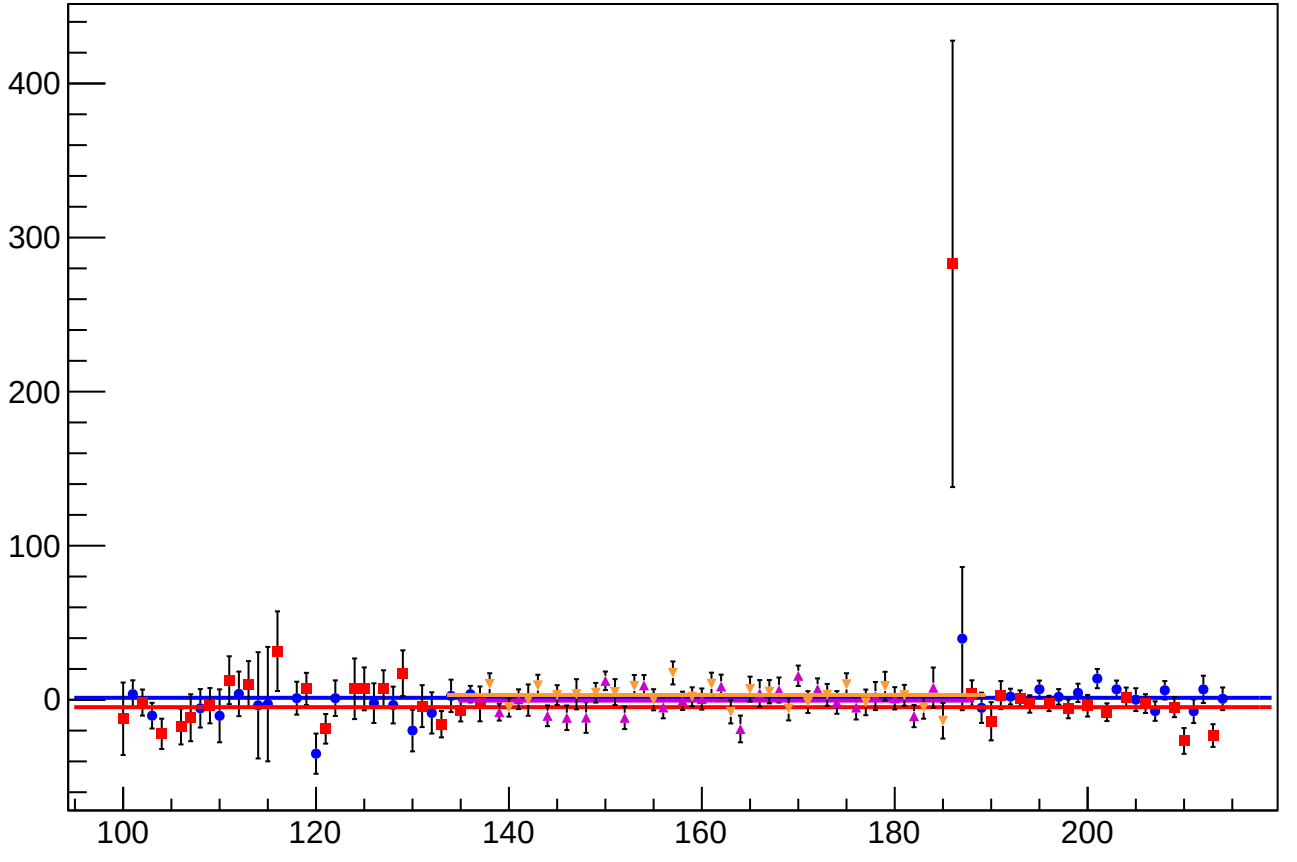
Right: 526.851+/-0.064 χ^2/NDF: 5488299.3/63

In: 581.349+/-0.072 χ^2/NDF:6193614.4/52

Out: 608.736+/-0.073 χ^2/NDF:5923482.9/58

All: 594.708+/-0.051 χ^2/NDF: 12188230.1/11

diff_bpm_4aY_4ecY_avg_mean vs Slug, Sign Corrected



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

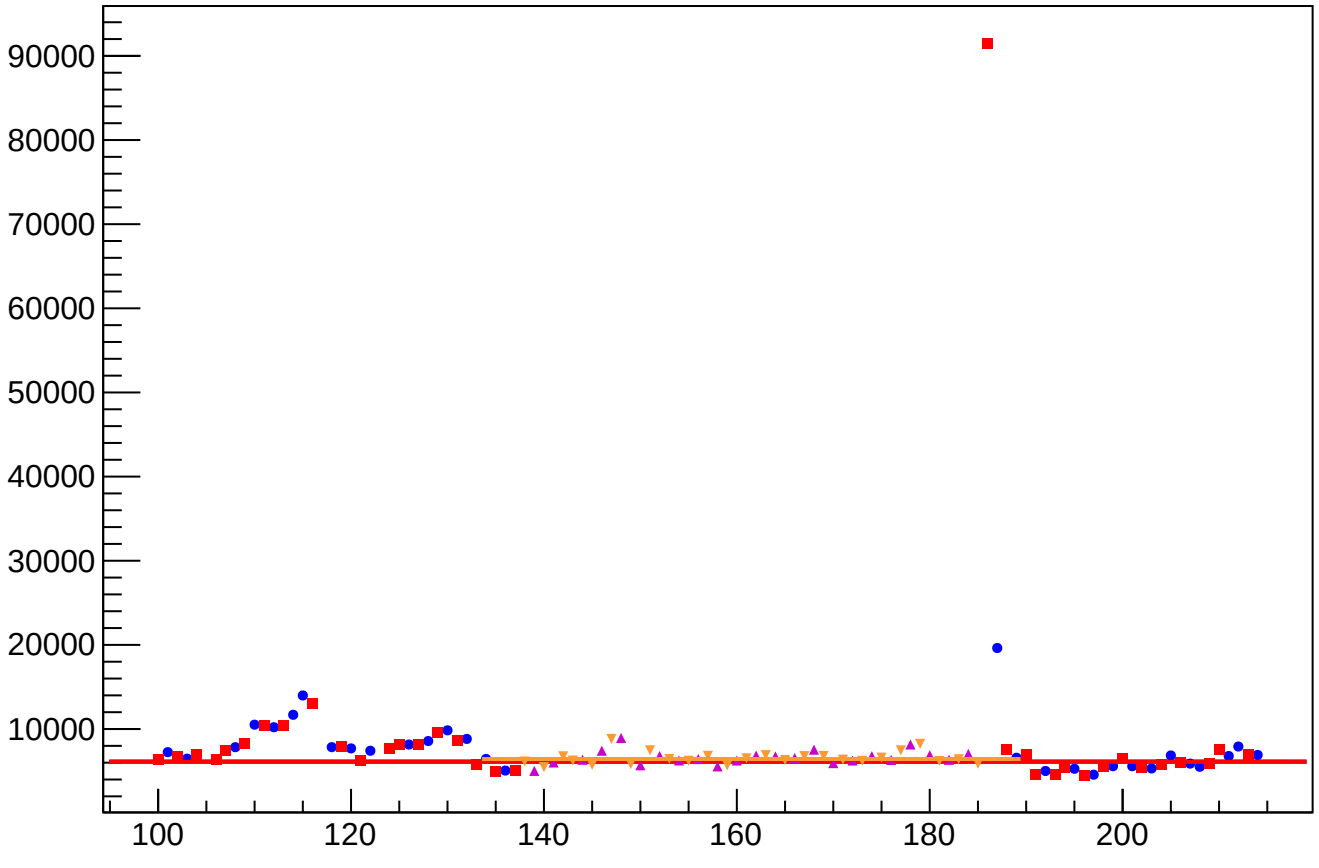
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -1.810+/-1.039 χ^2/NDF: 75.3/63

In: 0.382+/-1.058 χ^2/NDF:59.9/52

Out: -0.893+/-1.037 χ^2/NDF:74.5/58

All: -0.269+/-0.741 χ^2/NDF: 135.1/111



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

Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

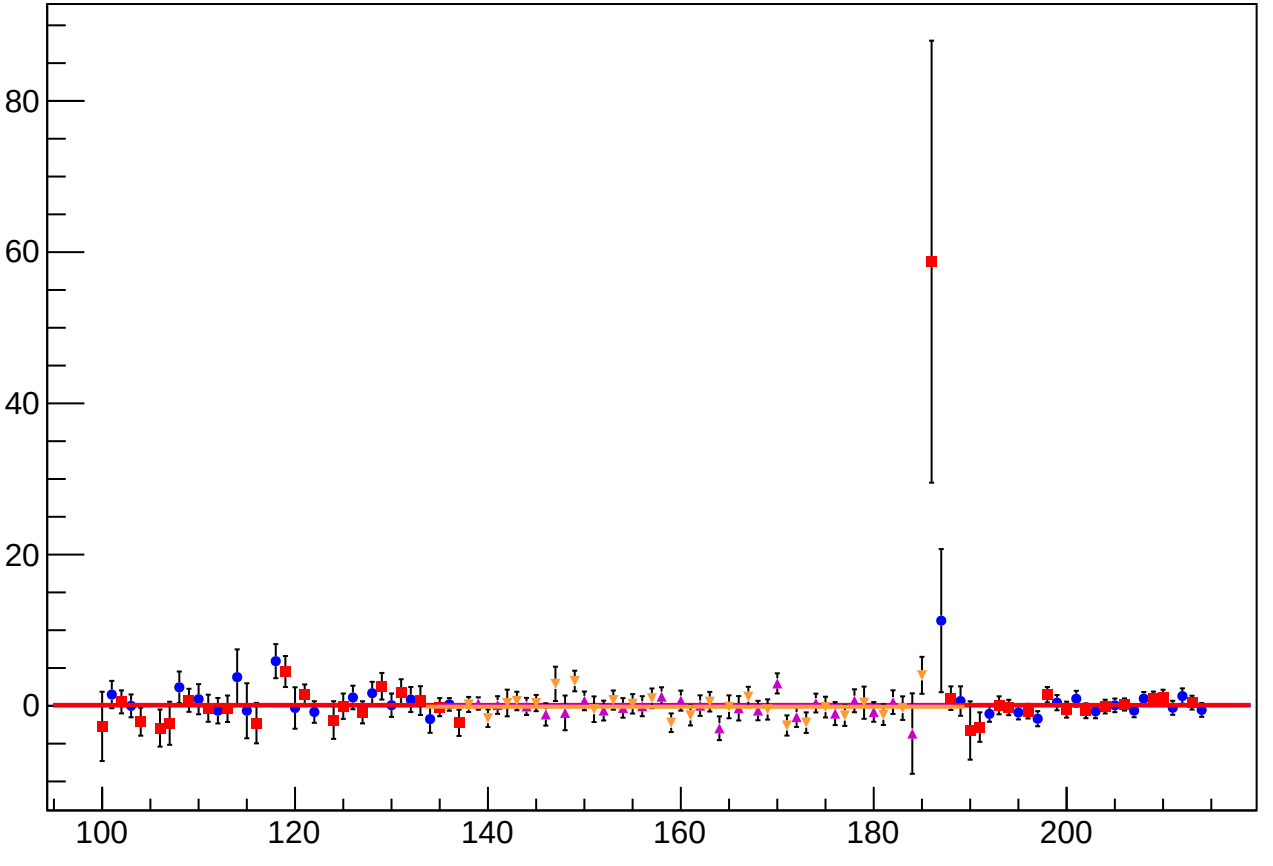
Right: 6118.417+/-0.735 χ^2/NDF: 4206991.0/63

In: 6269.986+/-0.748 χ^2/NDF:2348059.0/52

Out: 6264.194+/-0.733 χ^2/NDF:2884918.9/58

All: 6267.031+/-0.524 χ^2/NDF: 5233008.4/11

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



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

Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

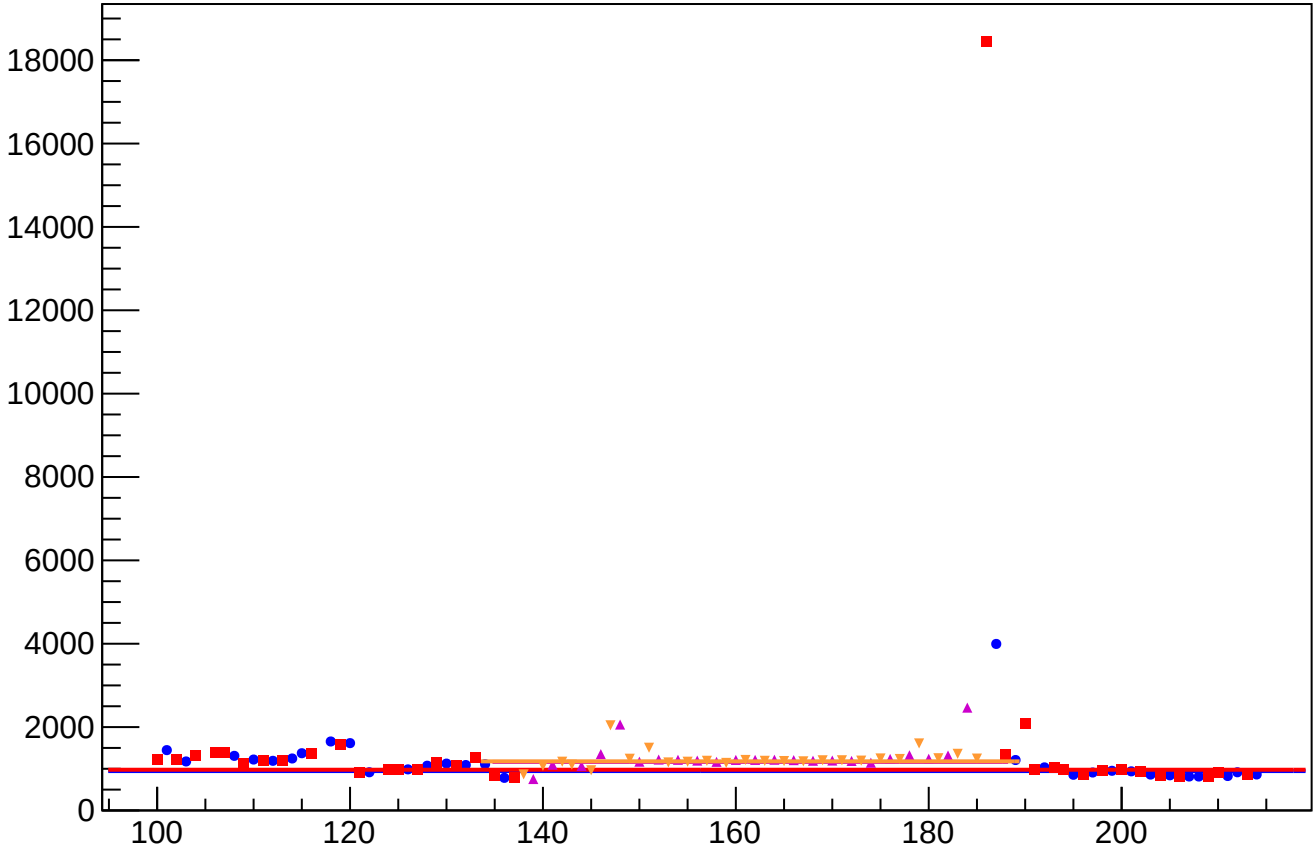
Right: 0.087+/-0.162 χ^2/NDF: 55.5/63

In: 0.019+/-0.176 χ^2/NDF:39.9/52

Out: 0.021+/-0.177 χ^2/NDF:57.5/58

All: 0.020+/-0.125 χ^2/NDF: 97.4/111

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



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

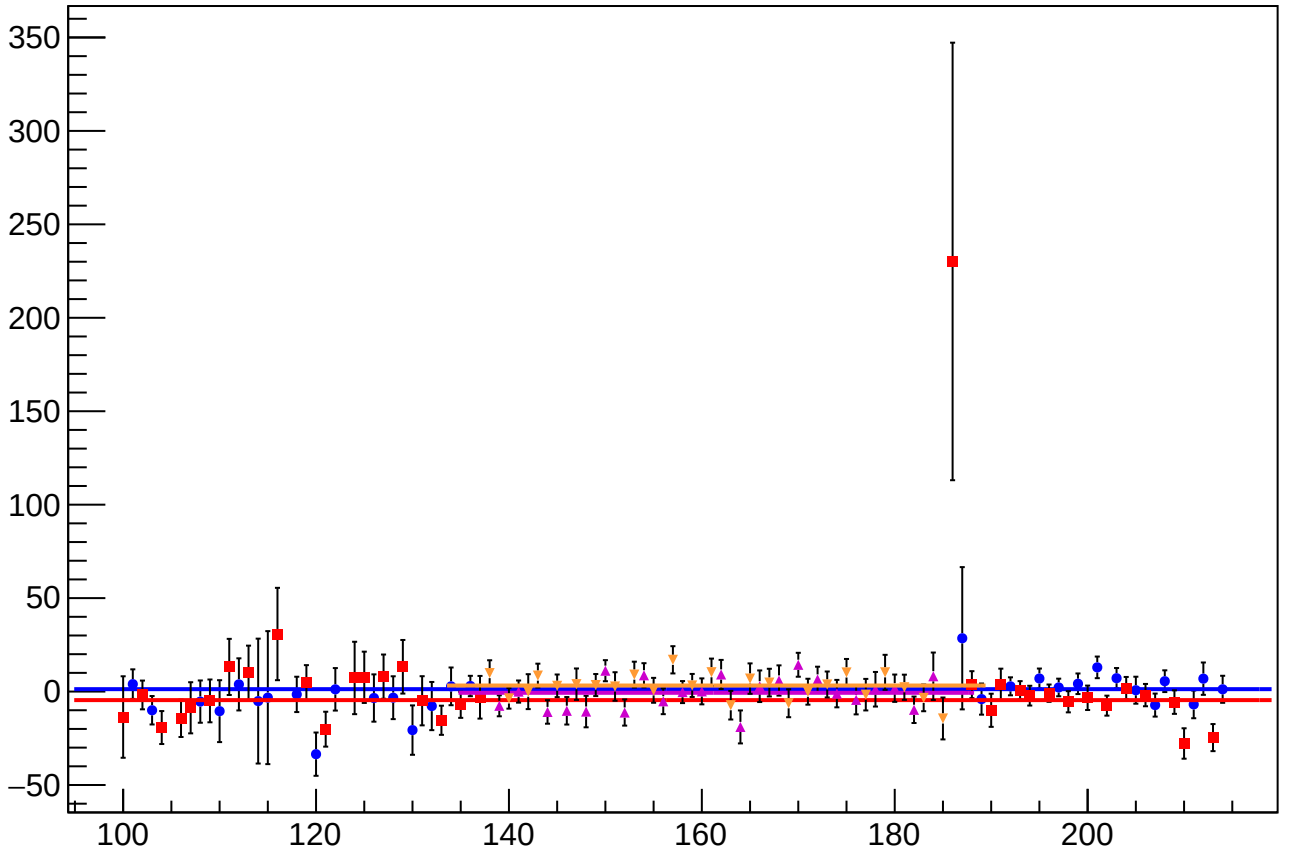
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 960.471+/-0.114 χ^2/NDF: 3256904.0/63

In: 1031.888+/-0.124 χ^2/NDF:3112626.7/52

Out: 1060.881+/-0.125 χ^2/NDF:3350711.4/58

All: 1046.283+/-0.088 χ^2/NDF: 6490410.8/11



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

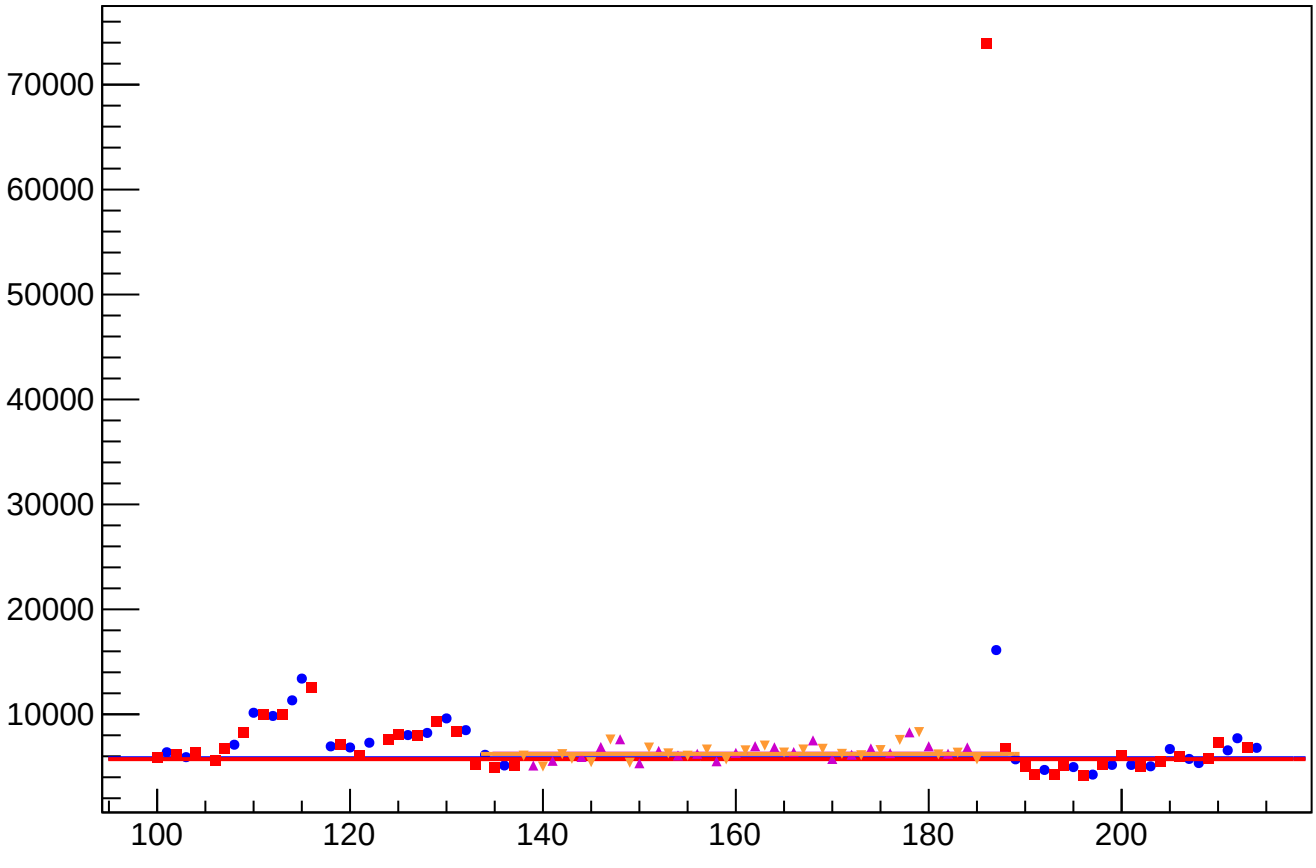
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -1.720+/-0.980 χ^2/NDF: 81.2/63

In: 0.357+/-1.016 χ^2/NDF:61.1/52

Out: -0.843+/-0.988 χ^2/NDF:78.0/58

All: -0.260+/-0.709 χ^2/NDF: 139.8/111



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

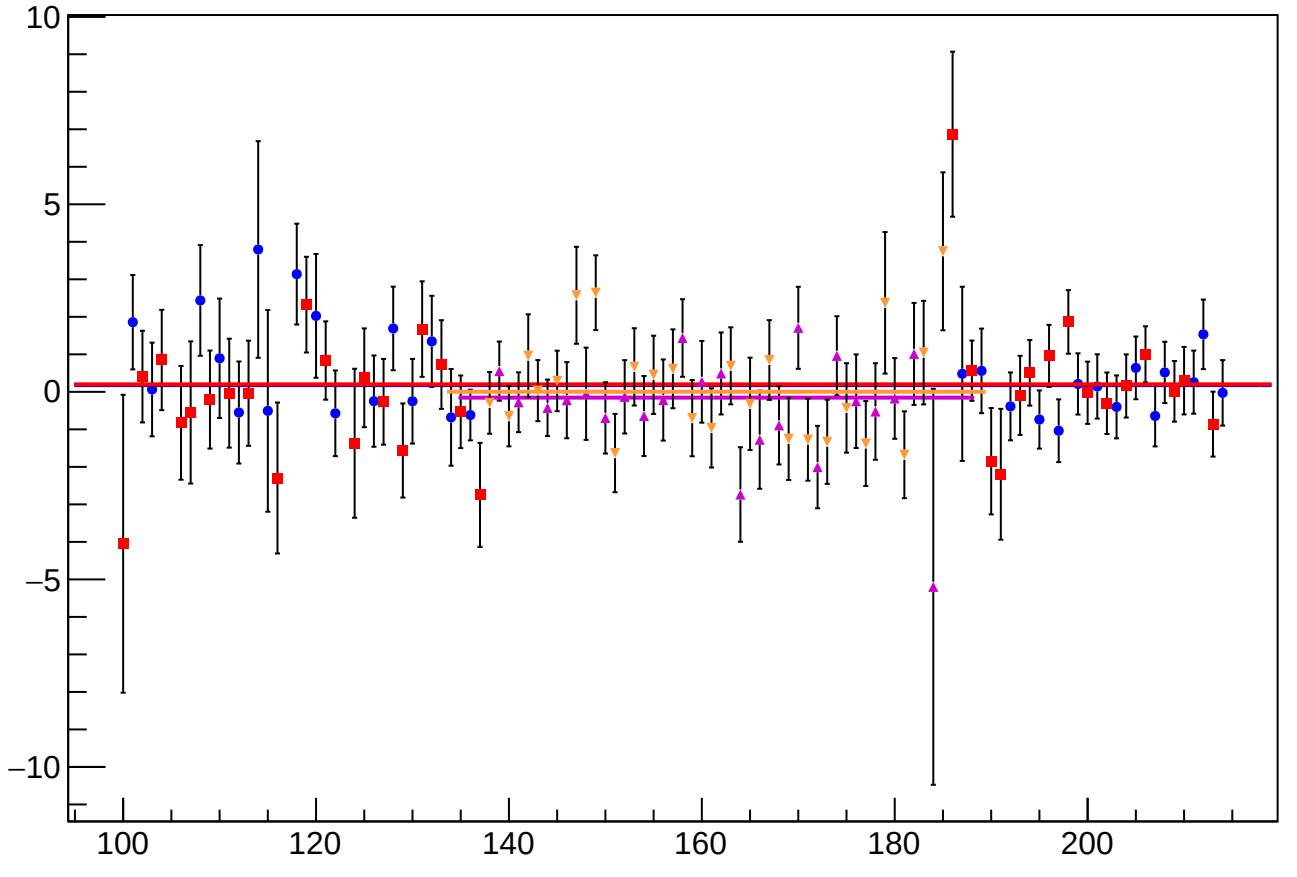
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5769.935+/-0.693 χ^2/NDF: 4292691.6/63

In: 6020.609+/-0.719 χ^2/NDF:2386423.1/52

Out: 5966.575+/-0.699 χ^2/NDF:3076576.7/58

All: 5992.846+/-0.501 χ^2/NDF: 5465905.5/11



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

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

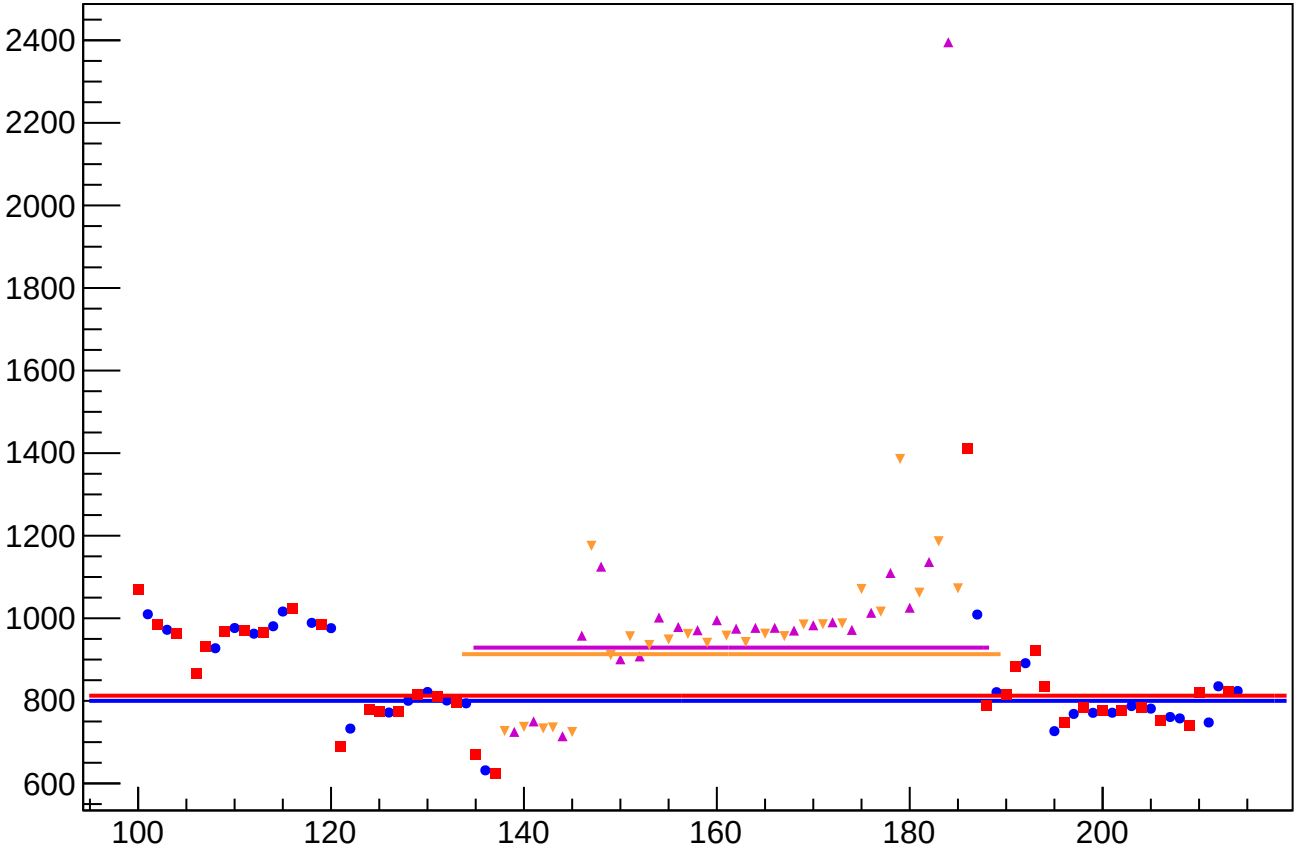
Right: 0.190+/-0.133 χ^2/NDF: 63.6/63

In: 0.039+/-0.143 χ^2/NDF:45.6/52

Out: 0.113+/-0.140 χ^2/NDF:69.8/58

All: 0.077+/-0.100 χ^2/NDF: 115.6/111

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



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

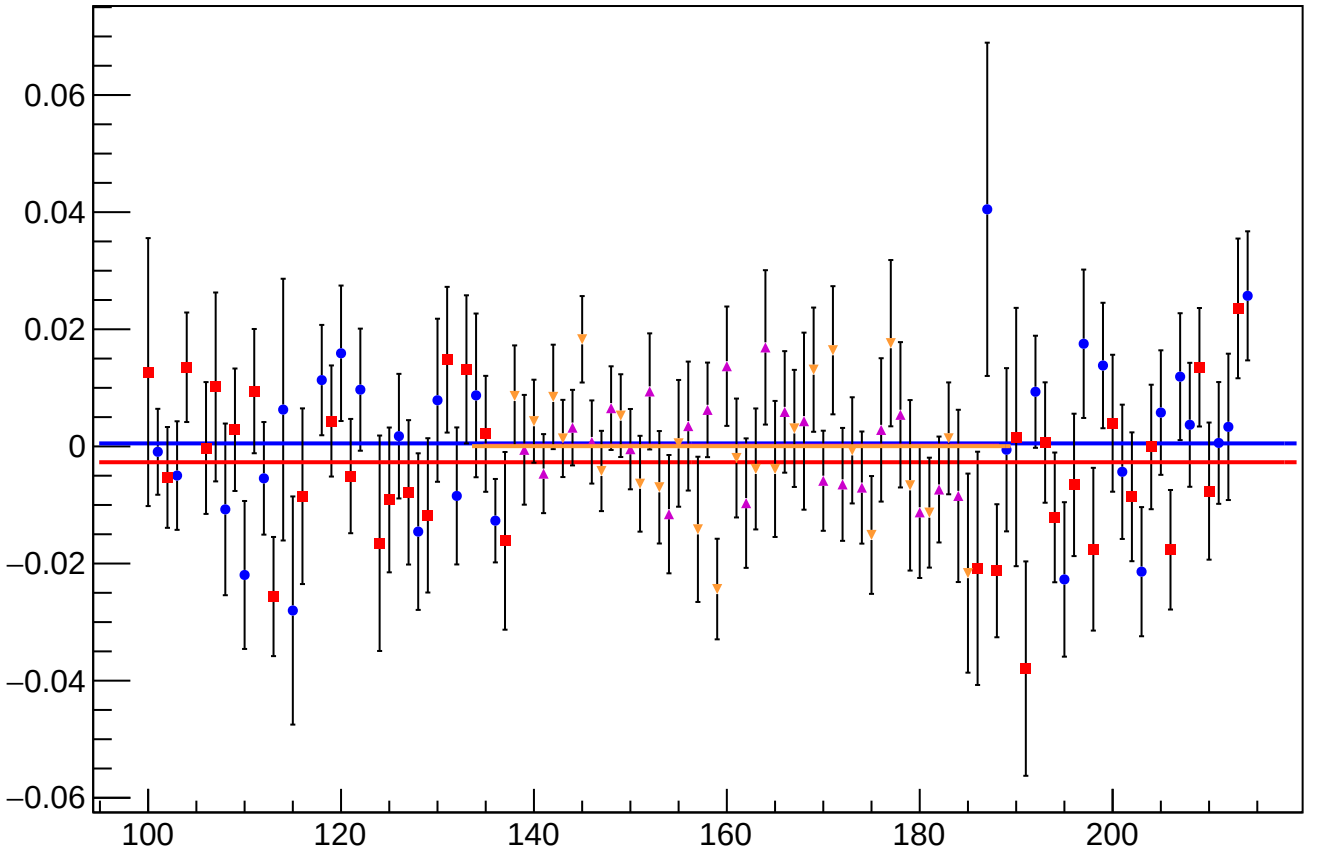
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 806.281+/-0.094 χ^2/NDF: 1031078.5/63

In: 854.153+/-0.101 χ^2/NDF:1627710.3/52

Out: 856.713+/-0.099 χ^2/NDF:1703924.1/58

All: 855.458+/-0.071 χ^2/NDF: 3331960.1/111



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

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

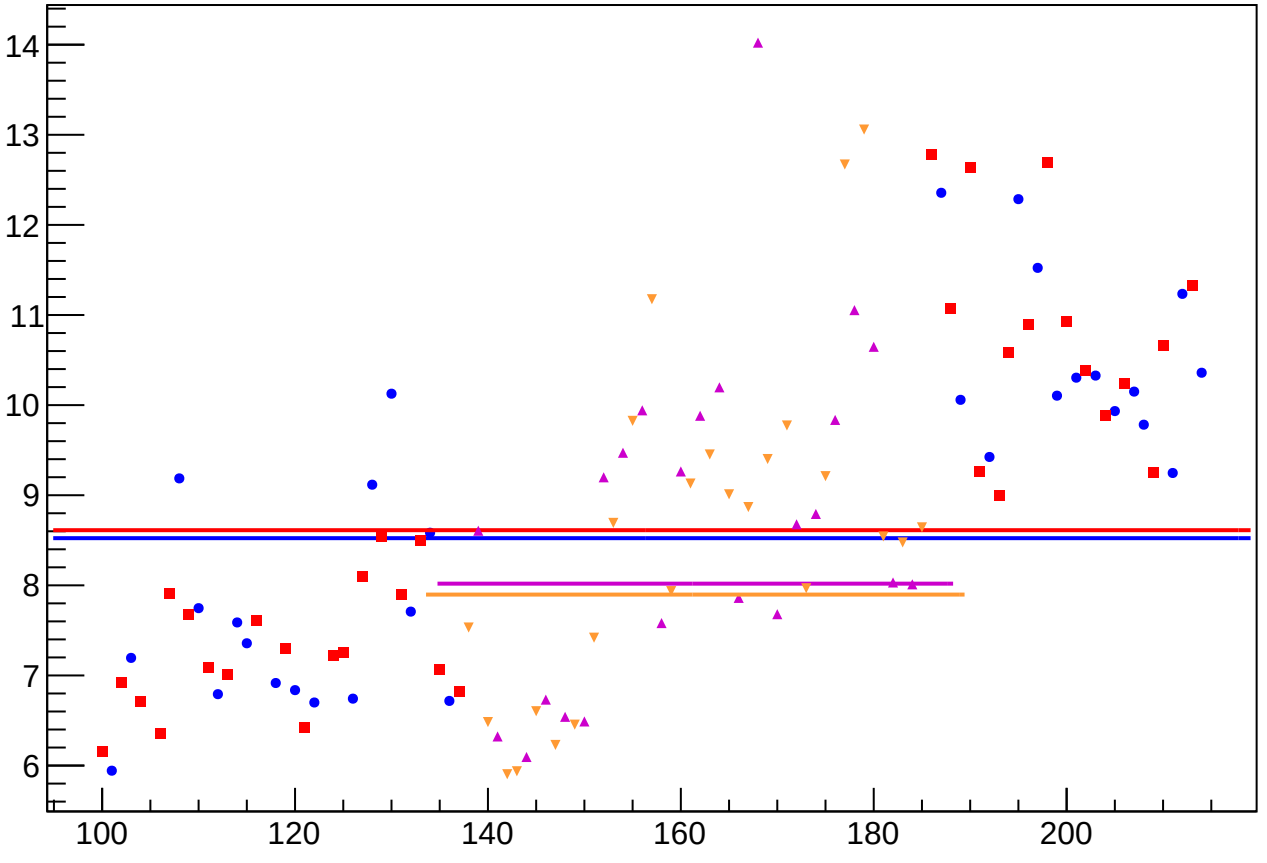
Right: -0.001+/-0.001 χ^2/NDF: 75.3/63

In: 0.000+/-0.001 χ^2/NDF:49.5/52

Out: -0.001+/-0.001 χ^2/NDF:69.6/58

All: -0.000+/-0.001 χ^2/NDF: 119.6/111

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



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

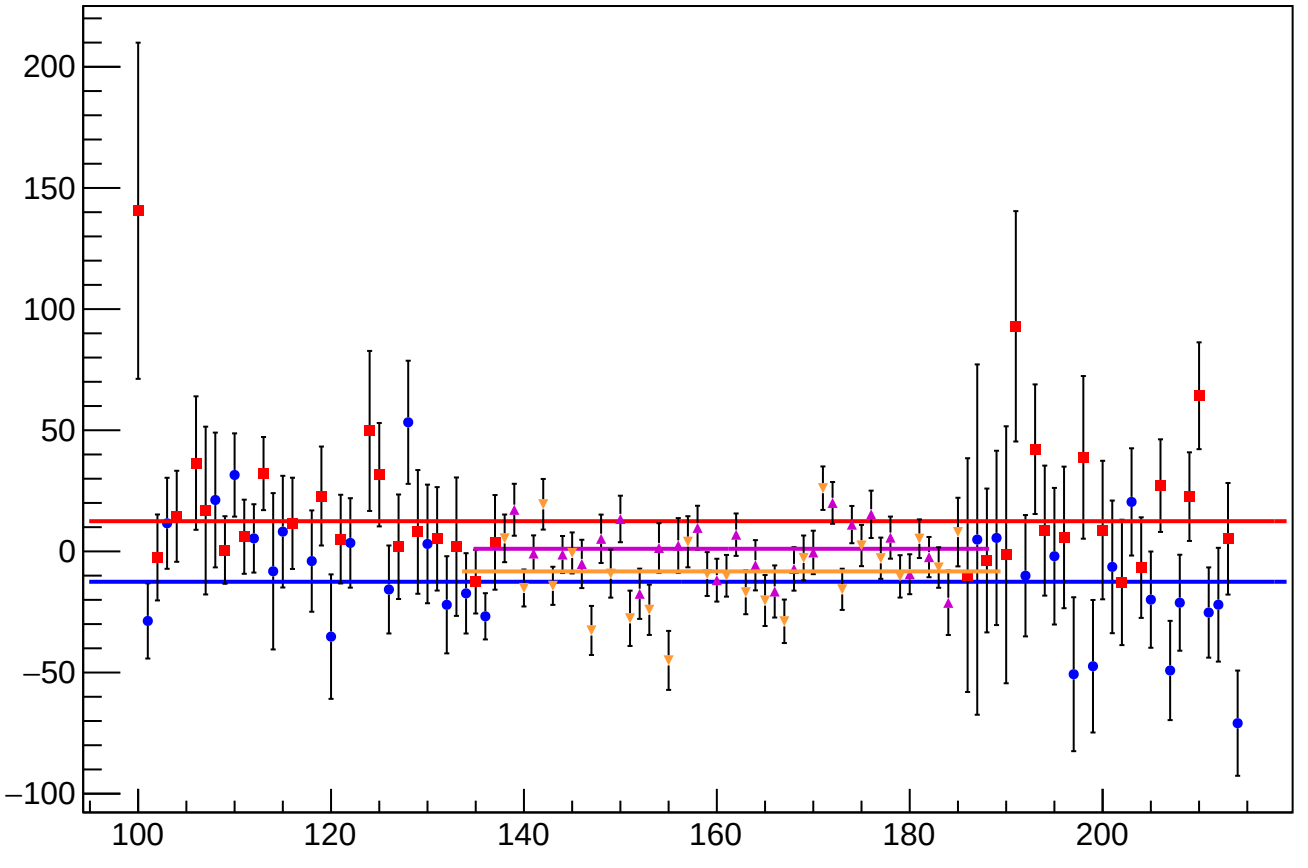
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 8.568+/-0.001 χ^2/NDF: 3116055.5/63

In: 8.255+/-0.001 χ^2/NDF:3049669.8/52

Out: 8.222+/-0.001 χ^2/NDF:3312437.2/58

All: 8.238+/-0.001 χ^2/NDF: 6362701.4/111



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

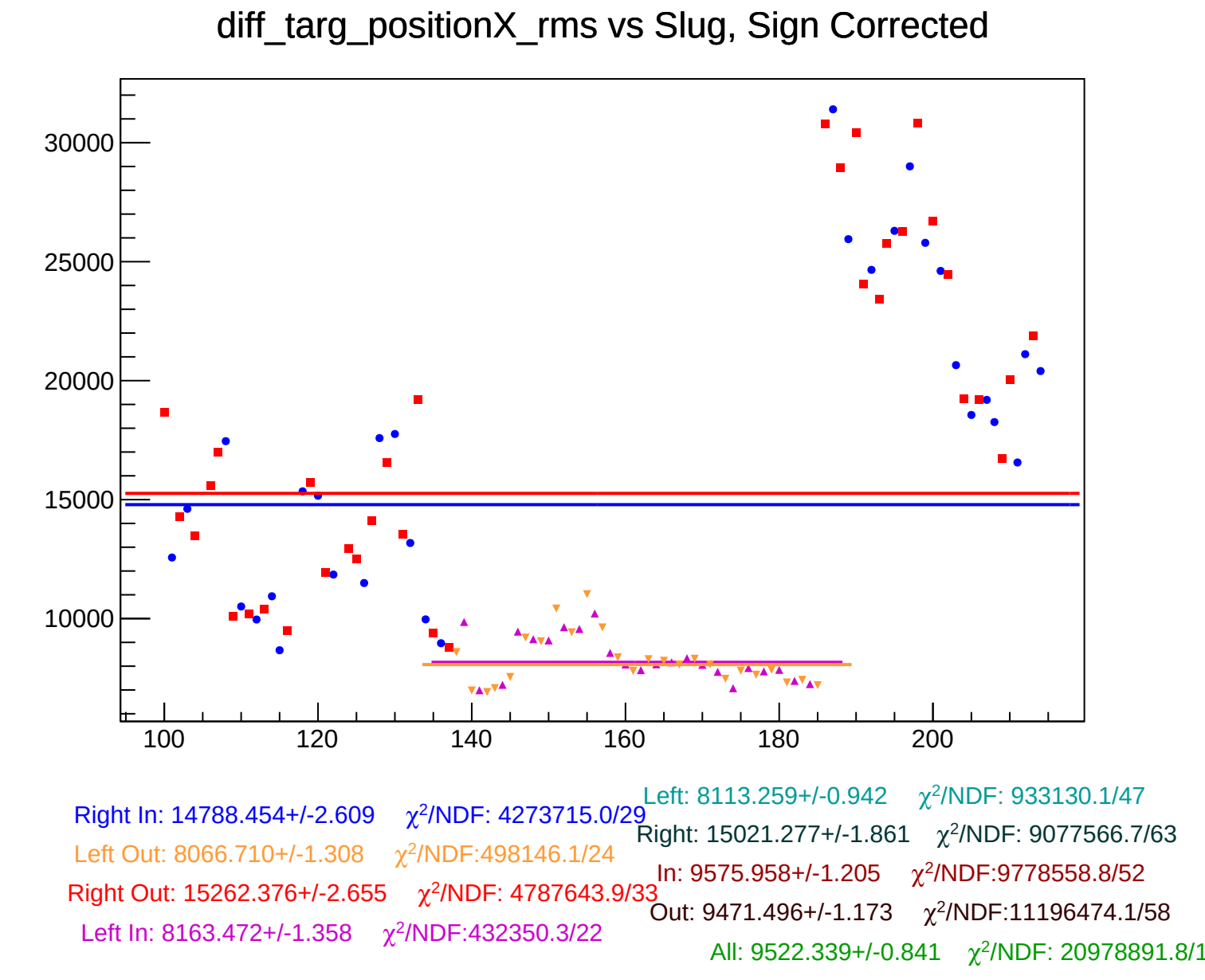
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

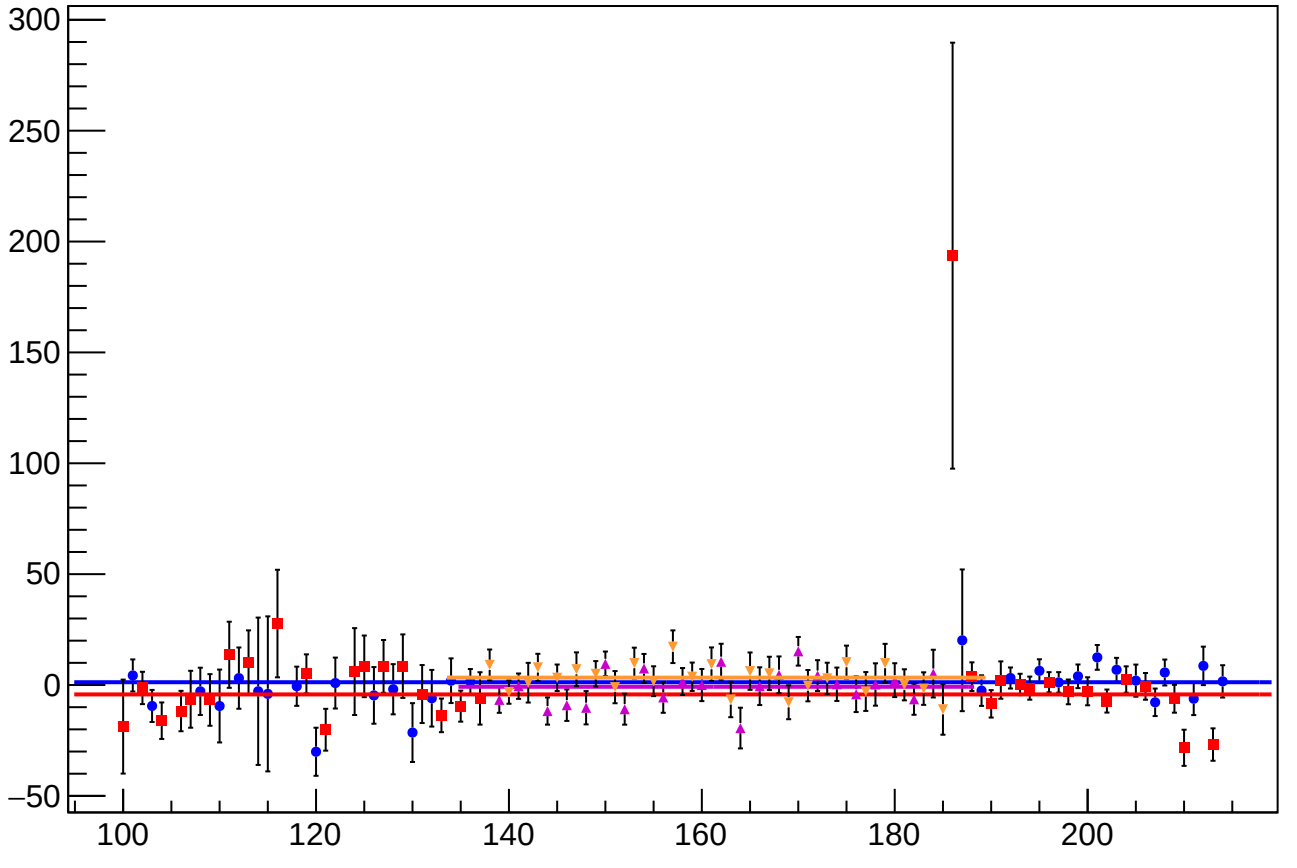
Right: -0.252+/-2.632 χ^2/NDF: 92.4/63

In: -1.829+/-1.704 χ^2/NDF:81.3/52

Out: -4.211+/-1.659 χ^2/NDF:114.7/58

All: -3.052+/-1.189 χ^2/NDF: 197.0/111


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14788.454+/-2.609 χ²/NDF: 4273715.0/29
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 15262.376+/-2.655 χ²/NDF: 4787643.9/33
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 15021.277+/-1.861 χ²/NDF: 9077566.7/63
In: 9575.958+/-1.205 χ²/NDF:9778558.8/52
Out: 9471.496+/-1.173 χ²/NDF:11196474.1/58
All: 9522.339+/-0.841 χ²/NDF: 20978891.8/1



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

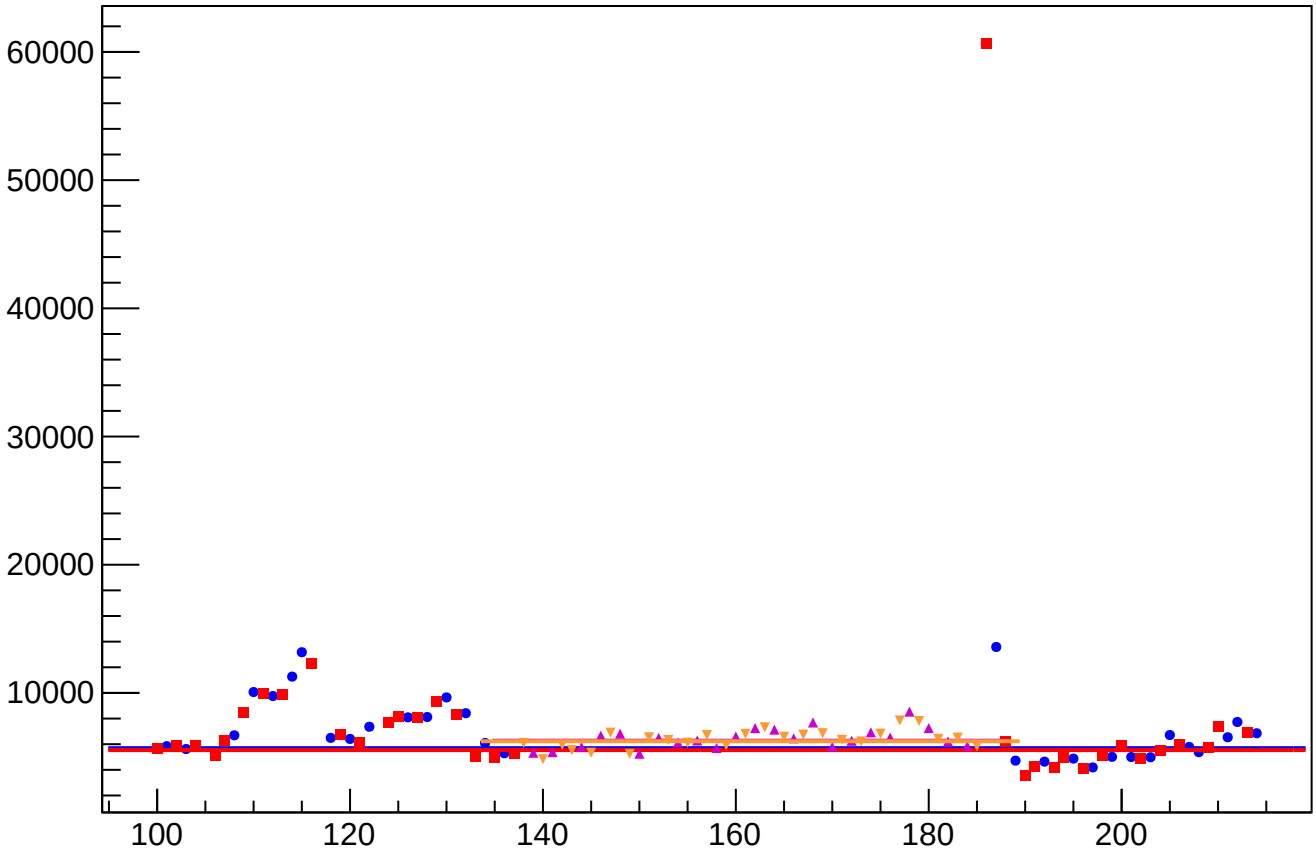
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -1.585+/-0.954 χ^2/NDF: 81.5/63

In: 0.307+/-1.006 χ^2/NDF:57.0/52

Out: -0.740+/-0.972 χ^2/NDF:78.7/58

All: -0.234+/-0.699 χ^2/NDF: 136.2/111



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

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

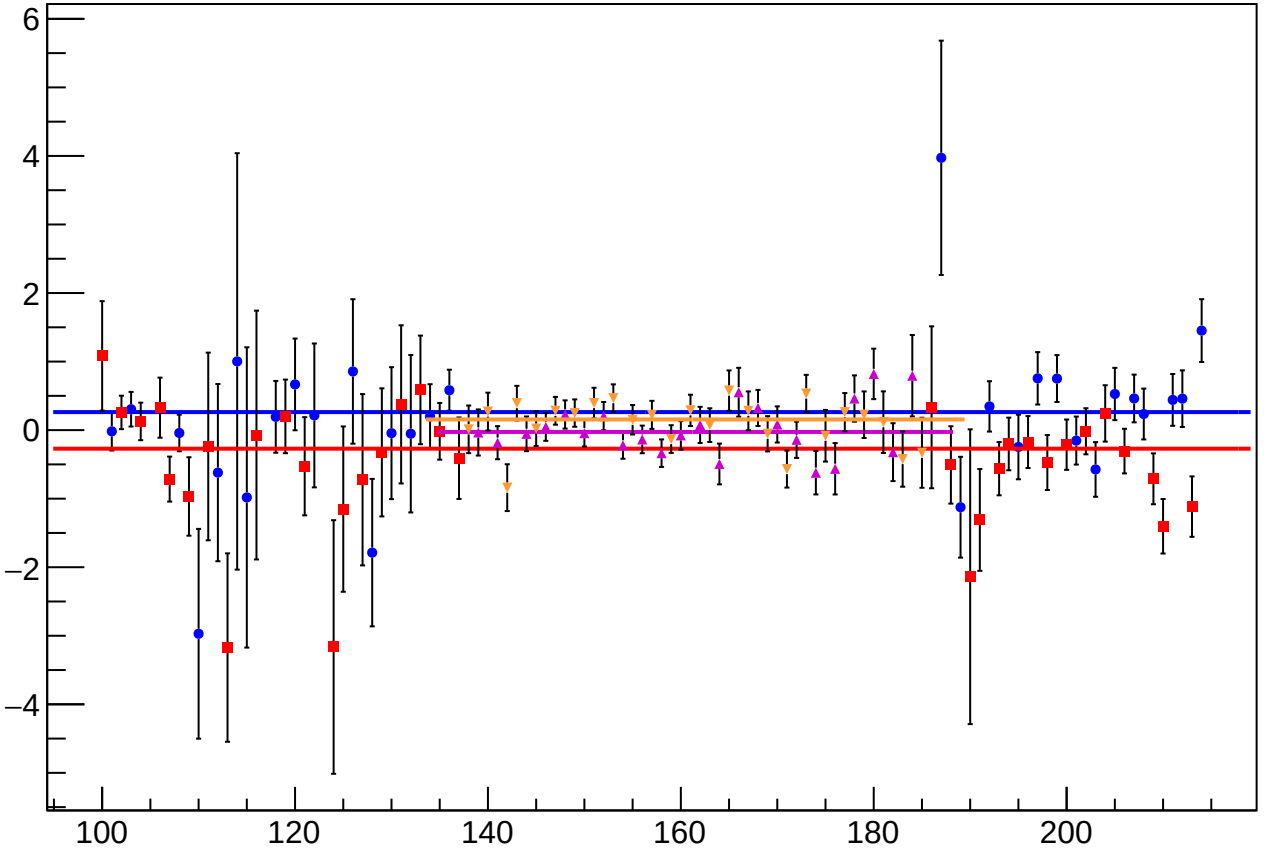
Right: 5612.821+/-0.674 χ^2/NDF: 4542138.3/63

In: 5959.552+/-0.712 χ^2/NDF:2517529.8/52

Out: 5859.198+/-0.688 χ^2/NDF:3465513.6/58

All: 5907.658+/-0.494 χ^2/NDF: 5993329.9/11

diff_targ_thetaX_mean vs Slug, Sign Corrected



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

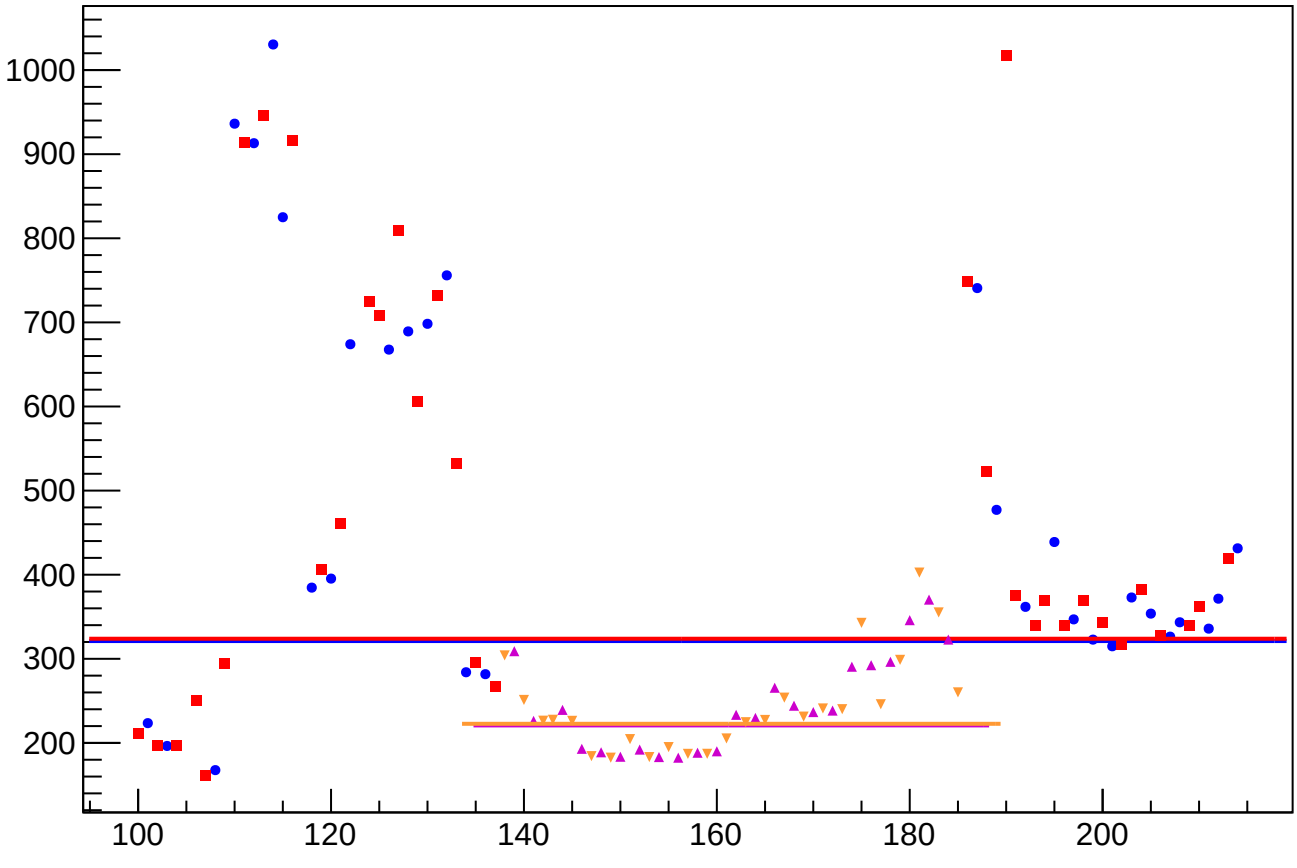
Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

Right: -0.003+/-0.057 χ^2/NDF: 106.8/63

In: 0.061+/-0.044 χ^2/NDF:79.1/52

Out: 0.031+/-0.044 χ^2/NDF:96.6/58

All: 0.046+/-0.031 χ^2/NDF: 176.0/111



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

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

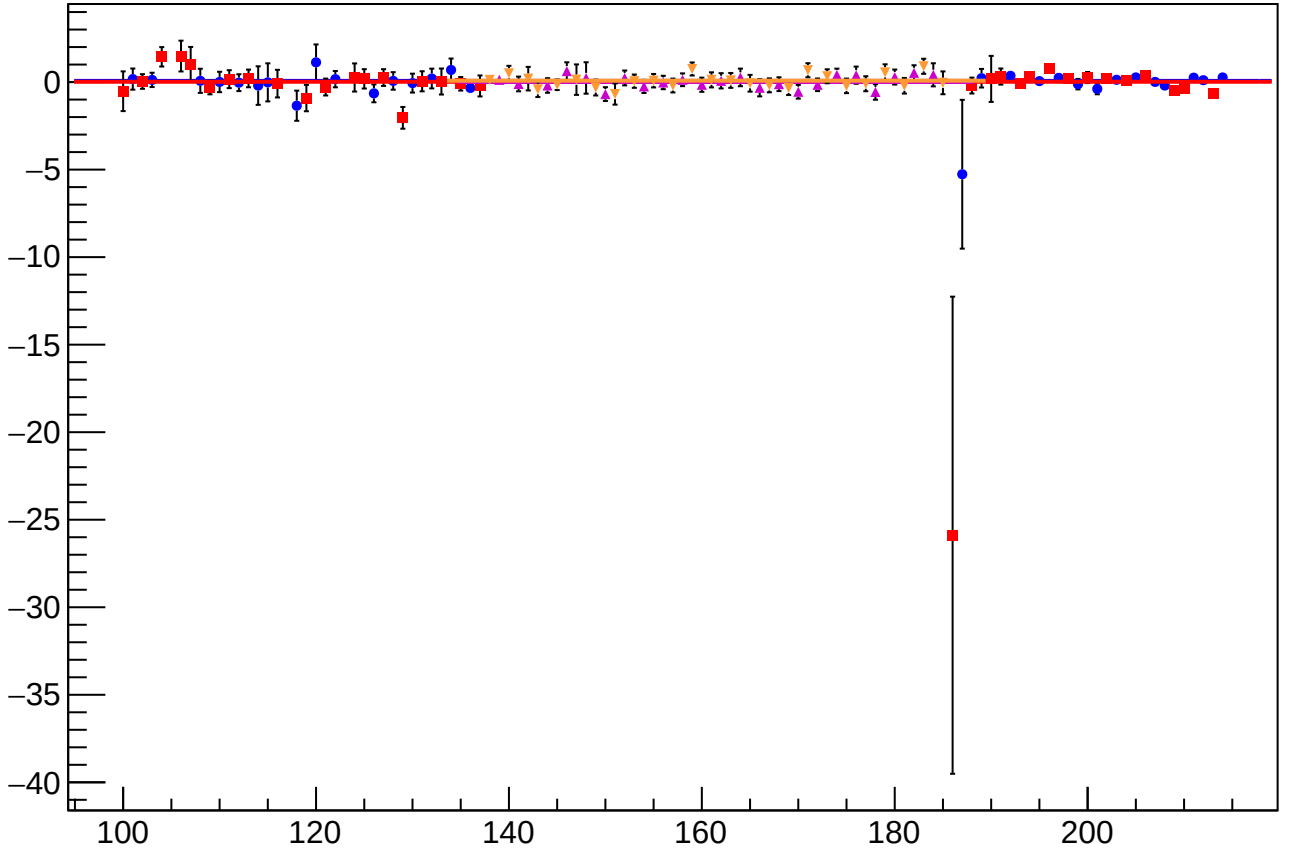
Right: 322.482+/-0.040 χ^2/NDF: 9123843.3/63

In: 251.051+/-0.031 χ^2/NDF:7931169.7/52

Out: 252.206+/-0.031 χ^2/NDF:8490007.0/58

All: 251.636+/-0.022 χ^2/NDF: 16421866.2/11

diff_targ_thetaY_mean vs Slug, Sign Corrected



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

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

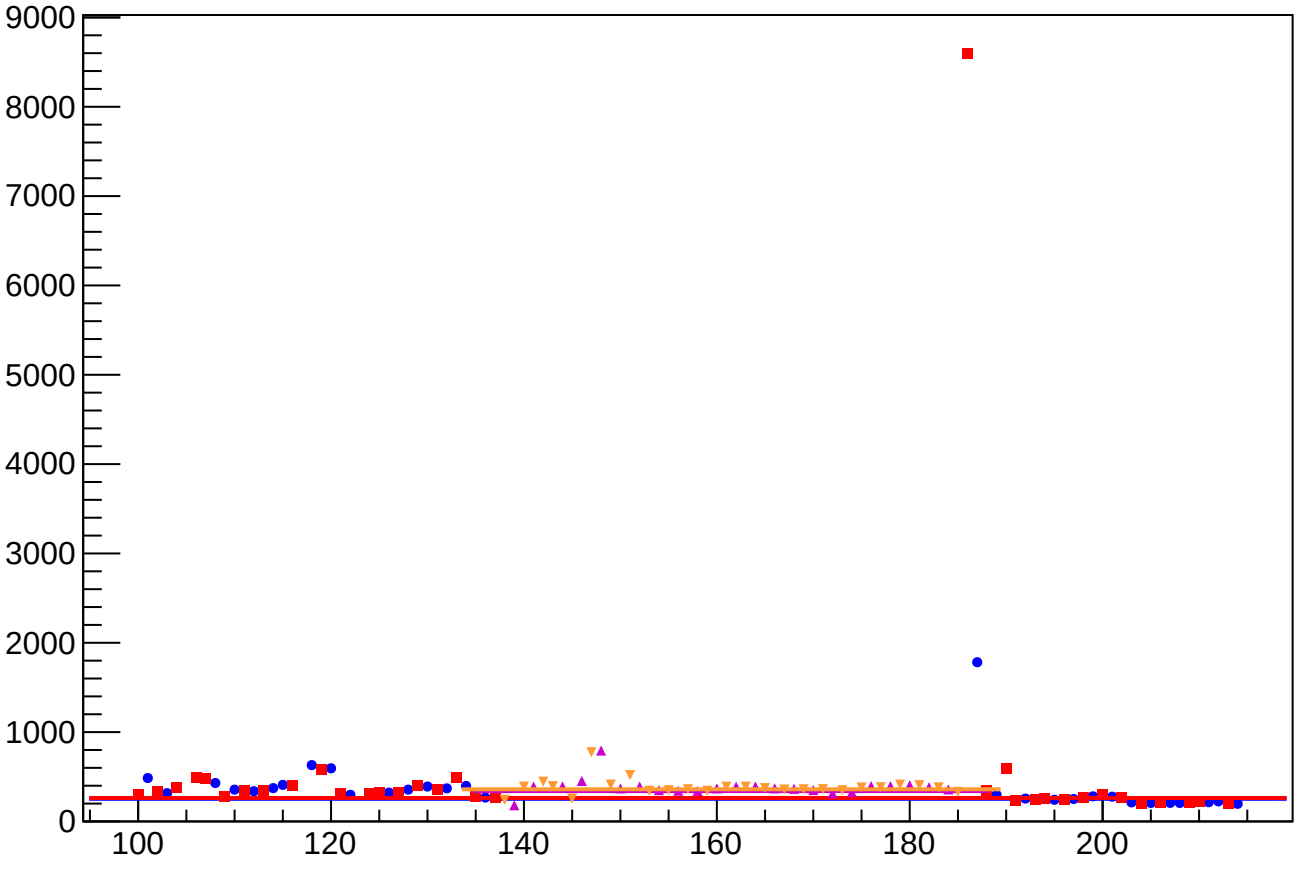
Right: 0.043+/-0.045 χ^2/NDF: 79.1/63

In: 0.046+/-0.050 χ^2/NDF:34.3/52

Out: 0.041+/-0.051 χ^2/NDF:79.3/58

All: 0.043+/-0.036 χ^2/NDF: 113.6/111

diff_targ_thetaY_rms vs Slug, Sign Corrected



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

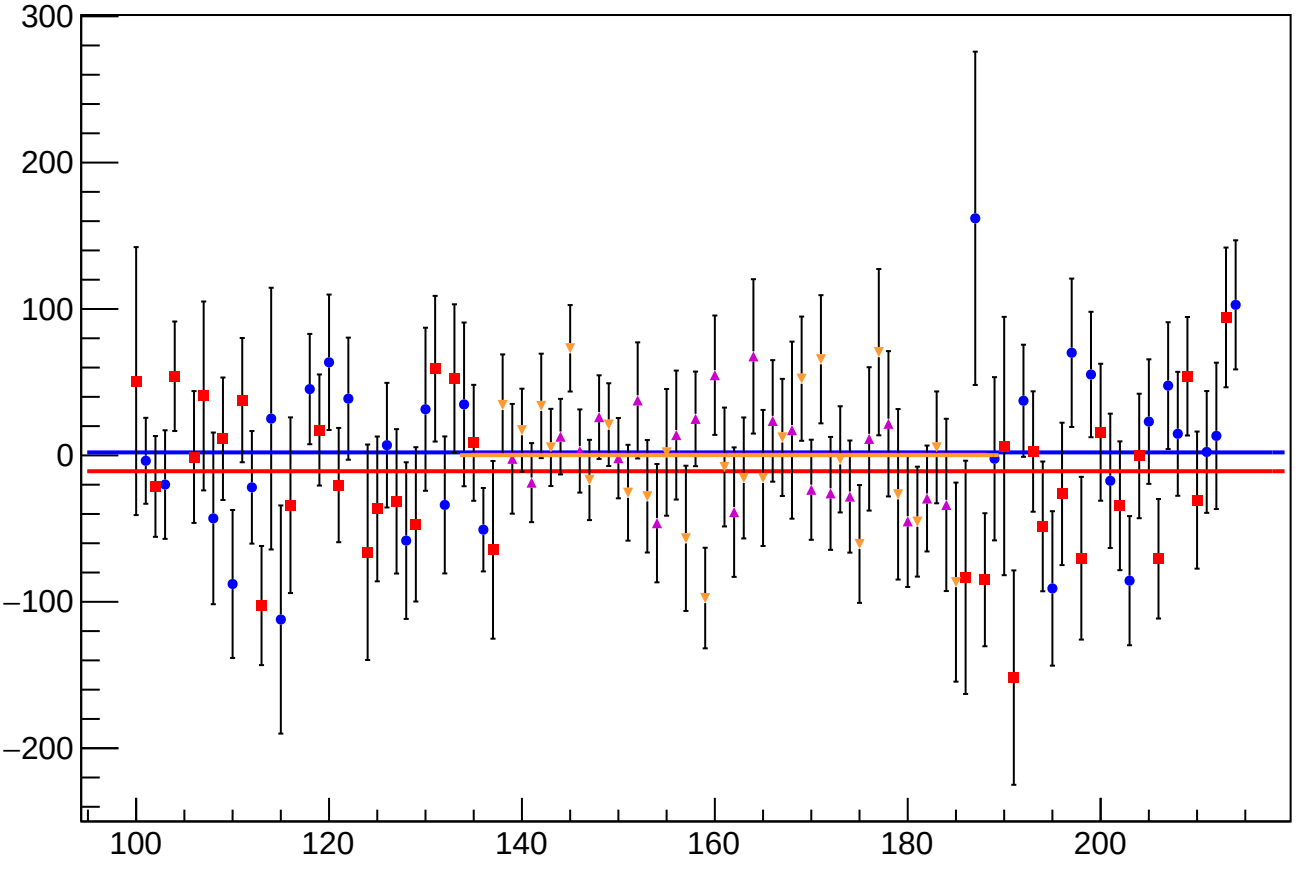
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 258.070+/-0.031 χ^2/NDF: 5488299.3/63

In: 284.766+/-0.035 χ^2/NDF:6193614.4/52

Out: 298.181+/-0.036 χ^2/NDF:5923482.9/58

All: 291.309+/-0.025 χ^2/NDF: 12188230.1/11



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

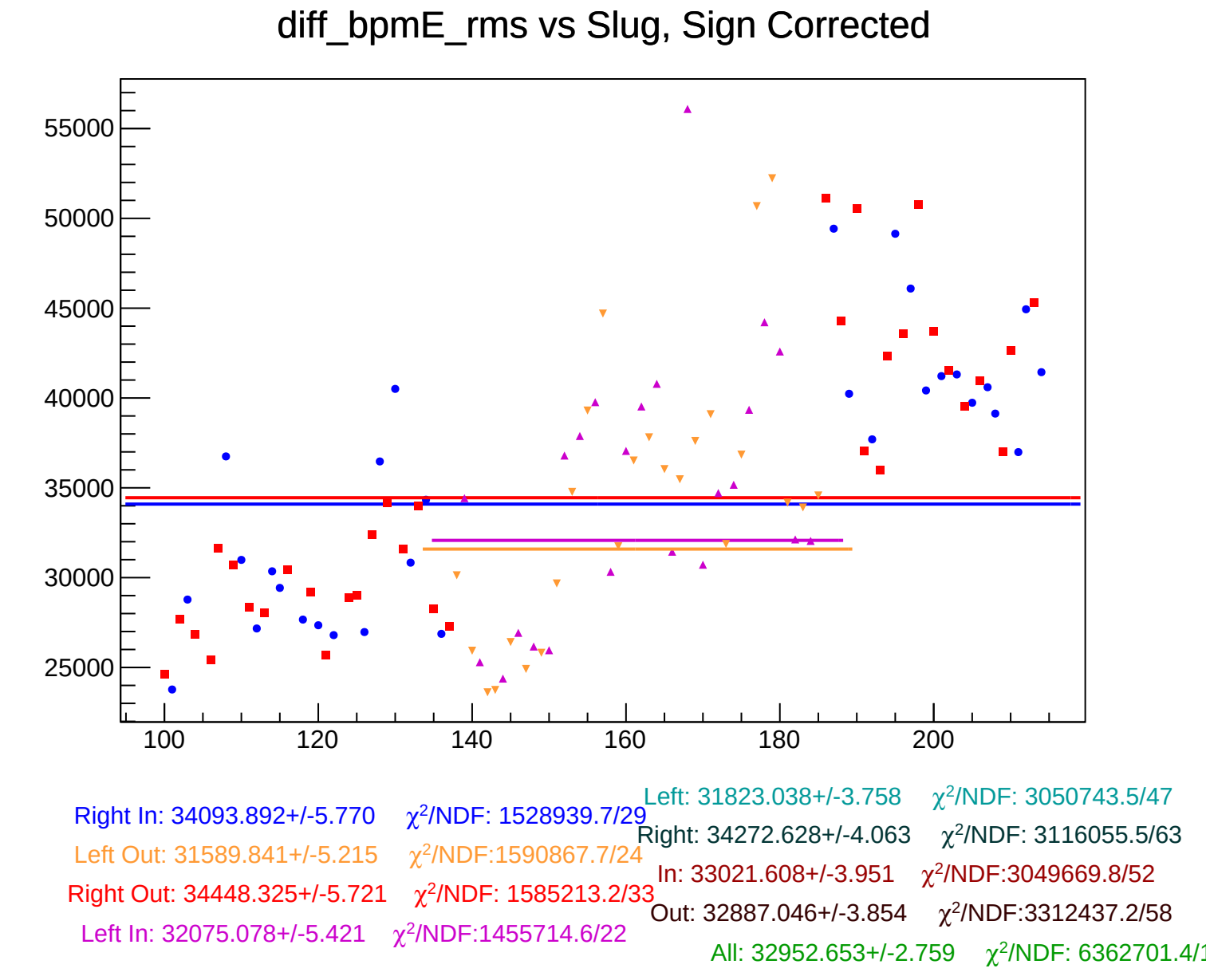
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -4.429+/-5.745 χ^2/NDF: 75.3/63

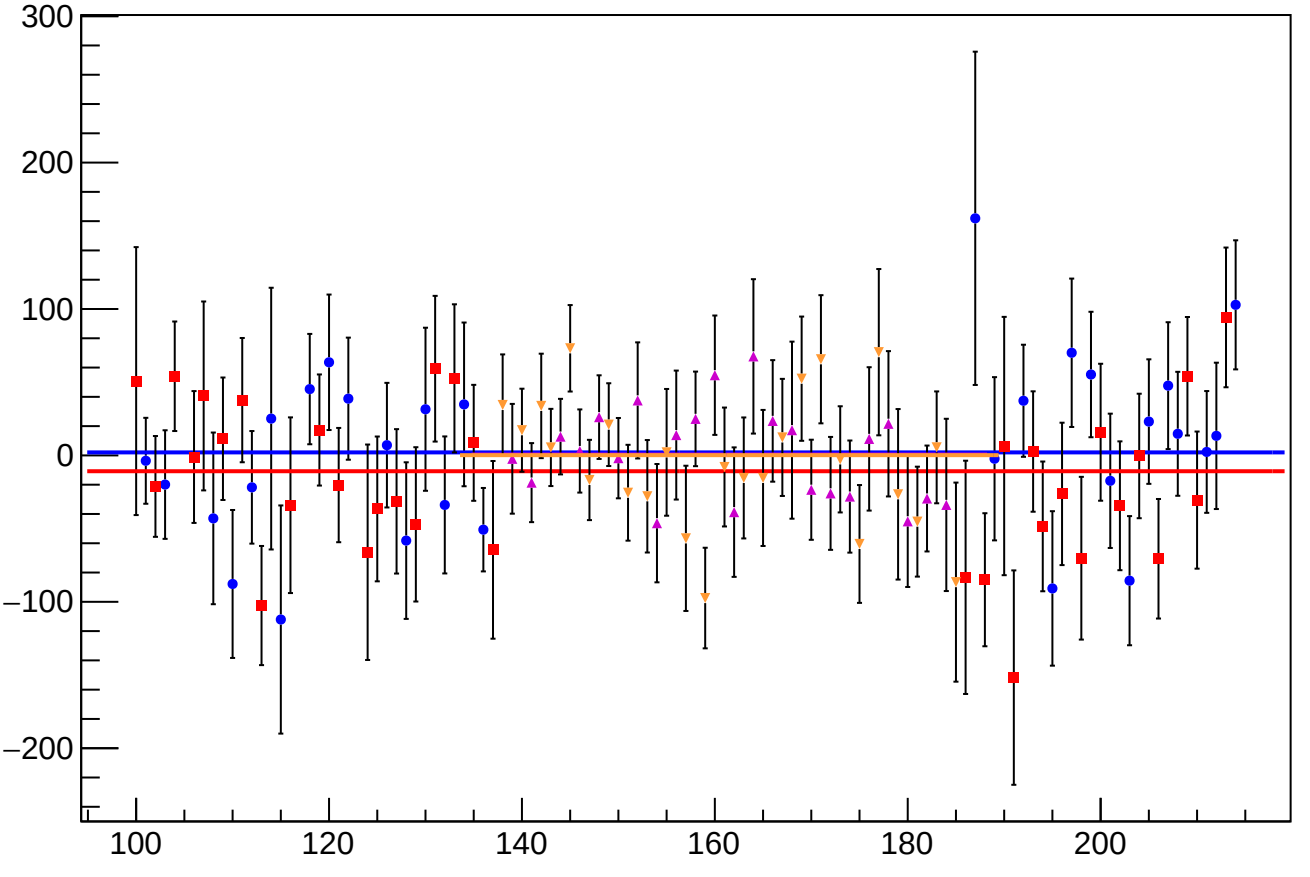
In: 1.275+/-5.588 χ^2/NDF:49.5/52

Out: -4.811+/-5.450 χ^2/NDF:69.6/58

All: -1.844+/-3.902 χ^2/NDF: 119.6/111


diff_bpmE_rms vs Slug, Sign Corrected
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
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34272.628+/-4.063 χ²/NDF: 3116055.5/63
In: 33021.608+/-3.951 χ²/NDF:3049669.8/52
Out: 32887.046+/-3.854 χ²/NDF:3312437.2/58
All: 32952.653+/-2.759 χ²/NDF: 6362701.4/1

diff_bpmEX_mean vs Slug, Sign Corrected



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

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

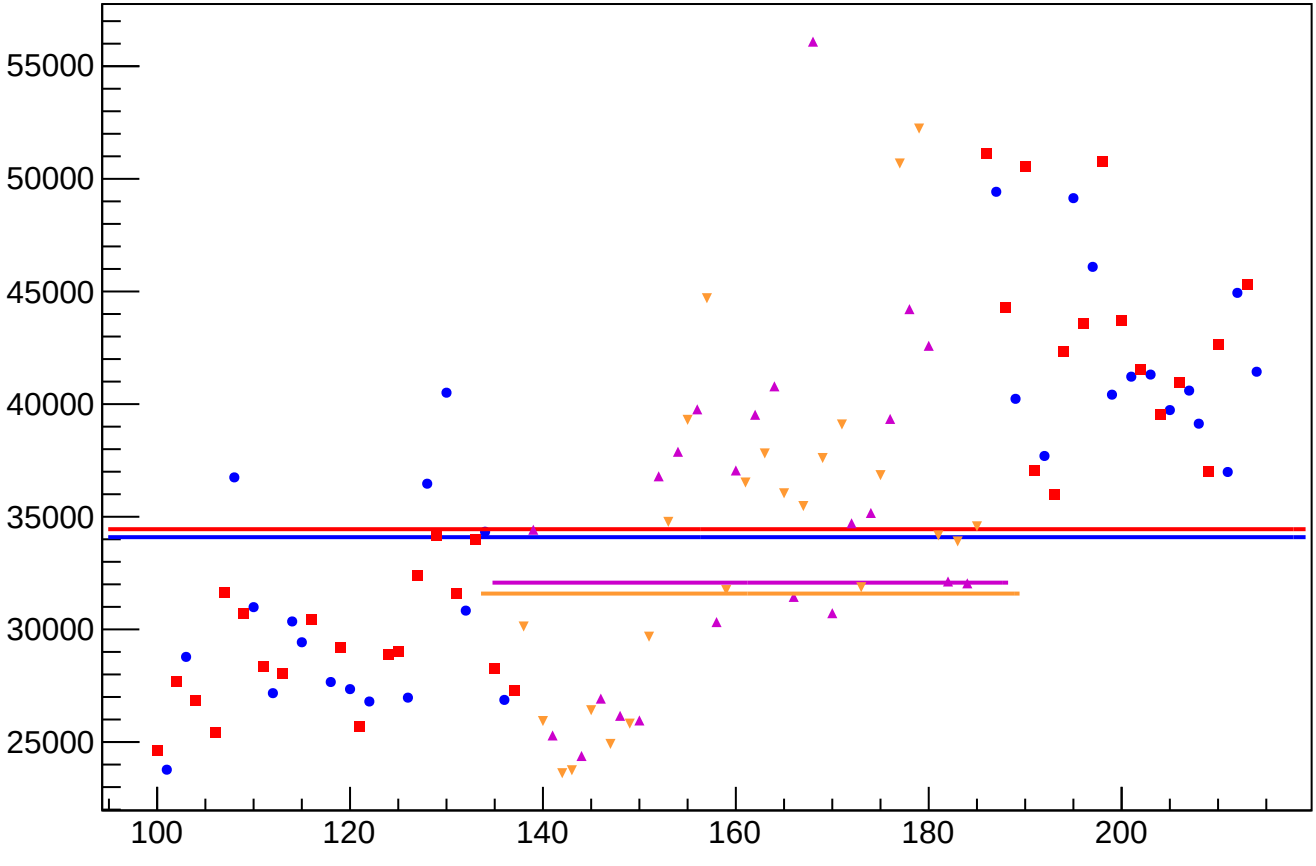
Right: -4.429+/-5.745 χ^2/NDF: 75.3/63

In: 1.275+/-5.588 χ^2/NDF:49.5/52

Out: -4.811+/-5.450 χ^2/NDF:69.6/58

All: -1.844+/-3.902 χ^2/NDF: 119.6/111

diff_bpmEX_rms vs Slug, Sign Corrected



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

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

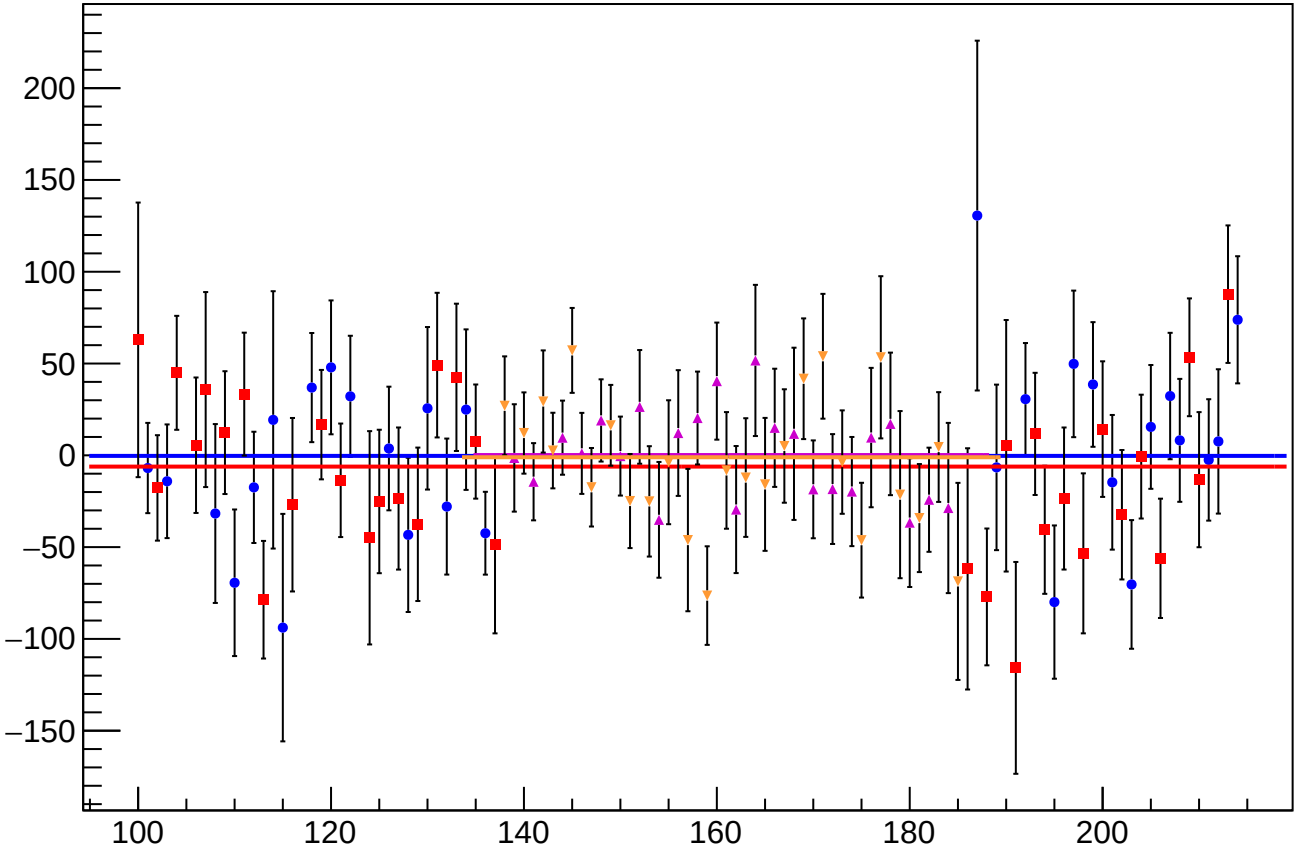
Right: 34272.628+/-4.063 χ^2/NDF: 3116055.5/63

In: 33021.608+/-3.951 χ^2/NDF:3049669.8/52

Out: 32887.046+/-3.854 χ^2/NDF:3312437.2/58

All: 32952.653+/-2.759 χ^2/NDF: 6362701.4/1

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



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

Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

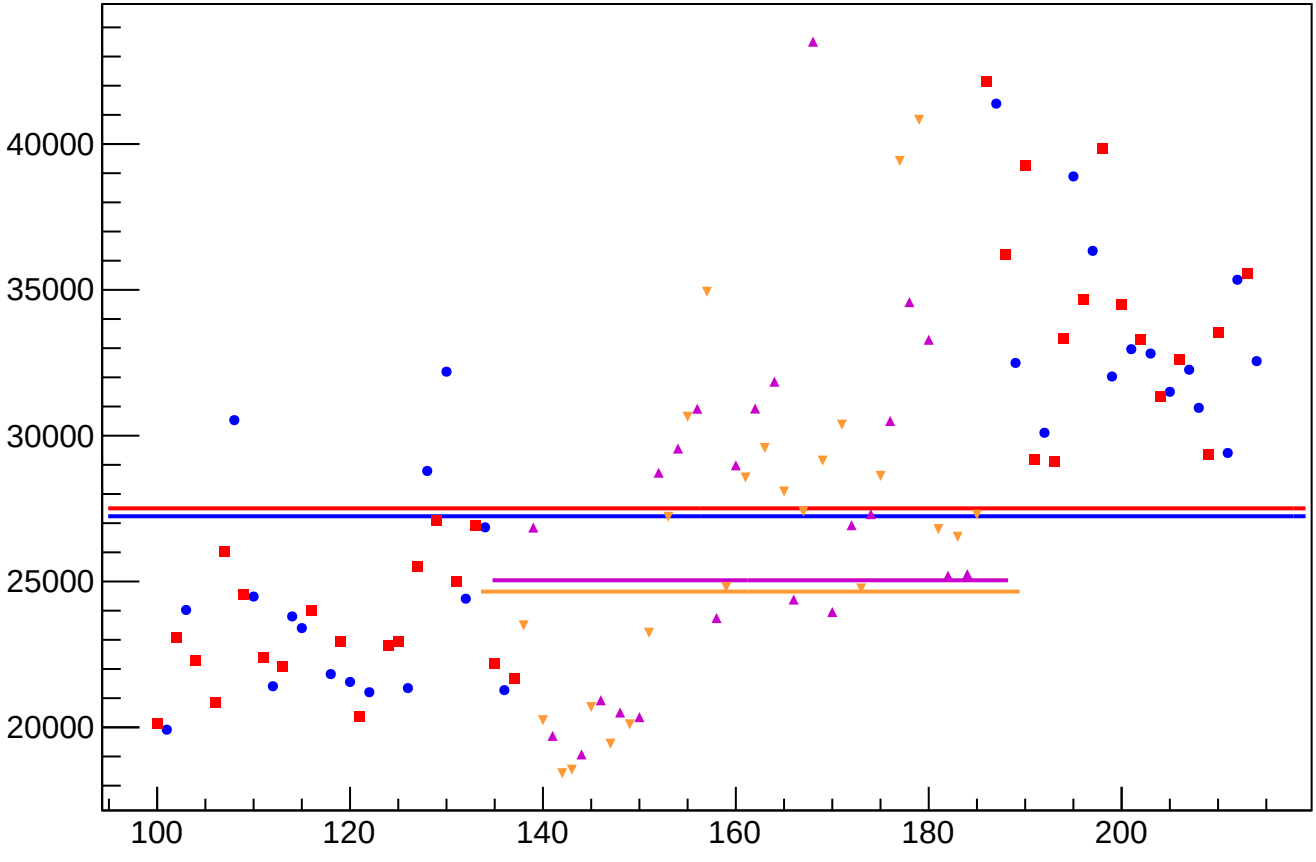
Right: -3.249+/-4.584 χ^2/NDF: 77.9/63

In: -0.061+/-4.406 χ^2/NDF:48.0/52

Out: -3.299+/-4.296 χ^2/NDF:74.3/58

All: -1.721+/-3.076 χ^2/NDF: 122.5/111

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



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

Left: 24840.393+/-2.933 χ^2/NDF: 3028719.5/47

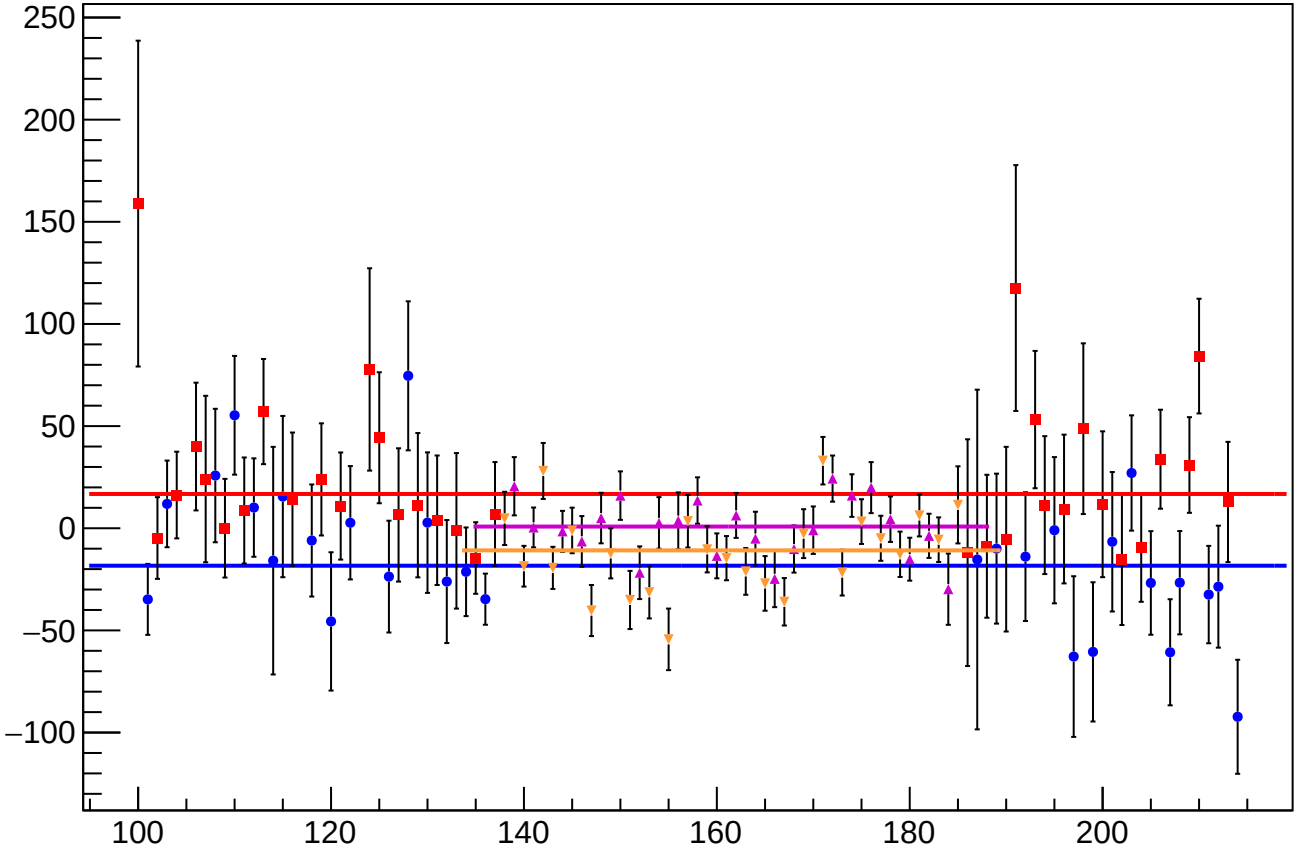
Right: 27373.580+/-3.242 χ^2/NDF: 2984995.8/63

In: 26047.236+/-3.116 χ^2/NDF:3019118.0/52

Out: 25917.516+/-3.038 χ^2/NDF:3329478.2/58

All: 25980.730+/-2.175 χ^2/NDF: 6349484.9/1

diff_bpm4aesumX_mean vs Slug, Sign Corrected



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

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

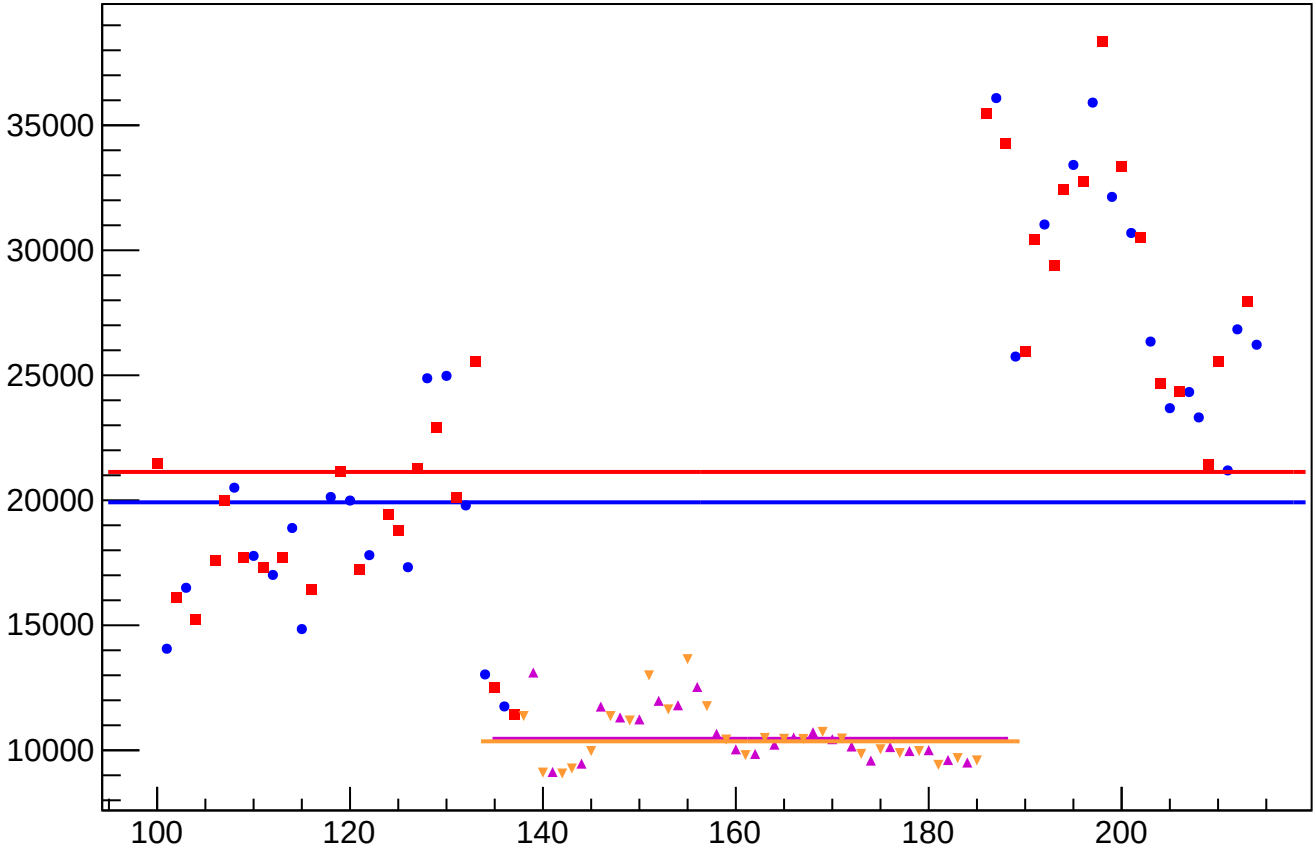
Right: -1.390+/-3.533 χ^2/NDF: 92.8/63

In: -3.010+/-2.197 χ^2/NDF:81.2/52

Out: -5.895+/-2.148 χ^2/NDF:114.0/58

All: -4.485+/-1.536 χ^2/NDF: 196.1/111

diff_bpm4aesumX_rms vs Slug, Sign Corrected



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

Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

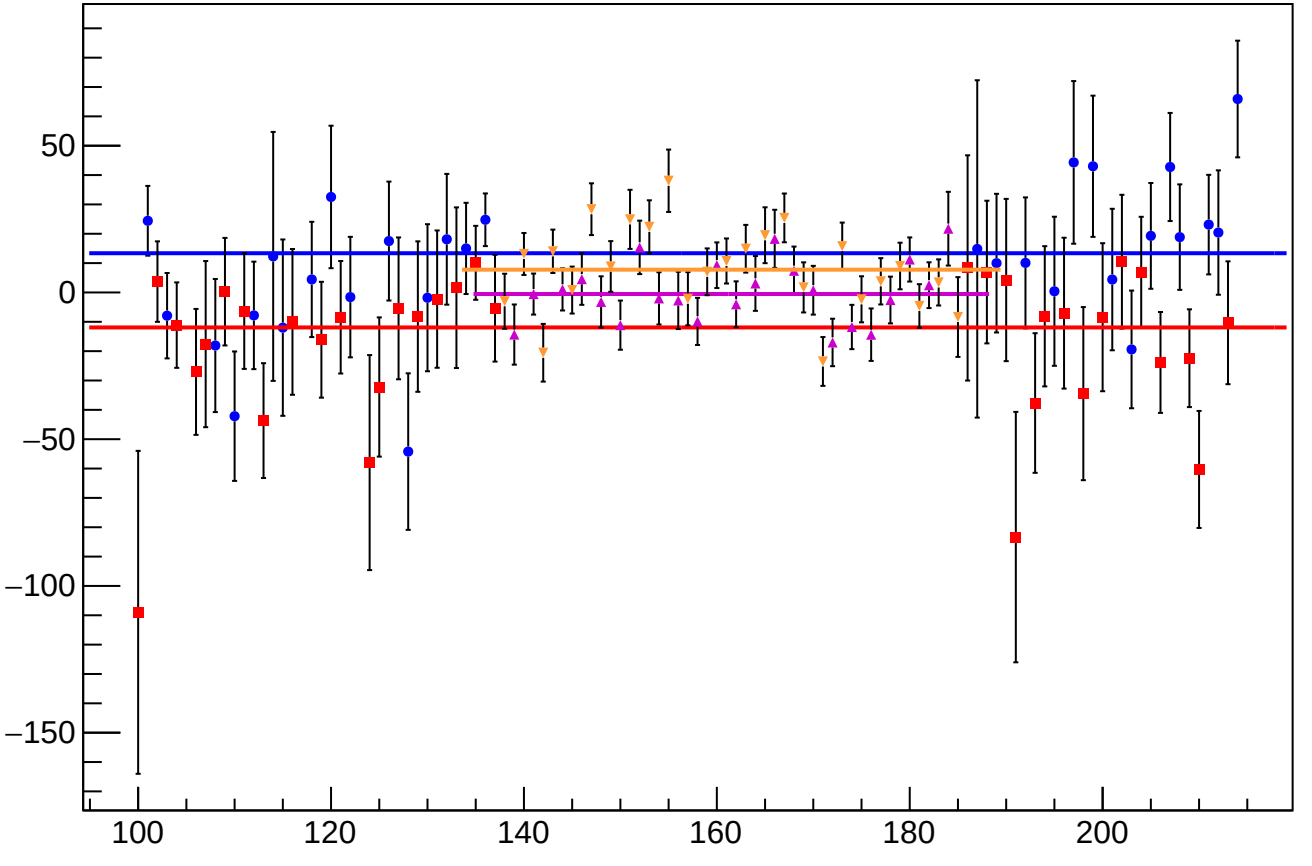
Right: 20504.779+/-2.498 χ^2/NDF: 6820958.7/63

In: 12352.890+/-1.554 χ^2/NDF:9669499.9/52

Out: 12281.302+/-1.519 χ^2/NDF:11080601.6/58

All: 12316.290+/-1.086 χ^2/NDF: 20751186.8

diff_bpm4aediffX_mean vs Slug, Sign Corrected



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

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

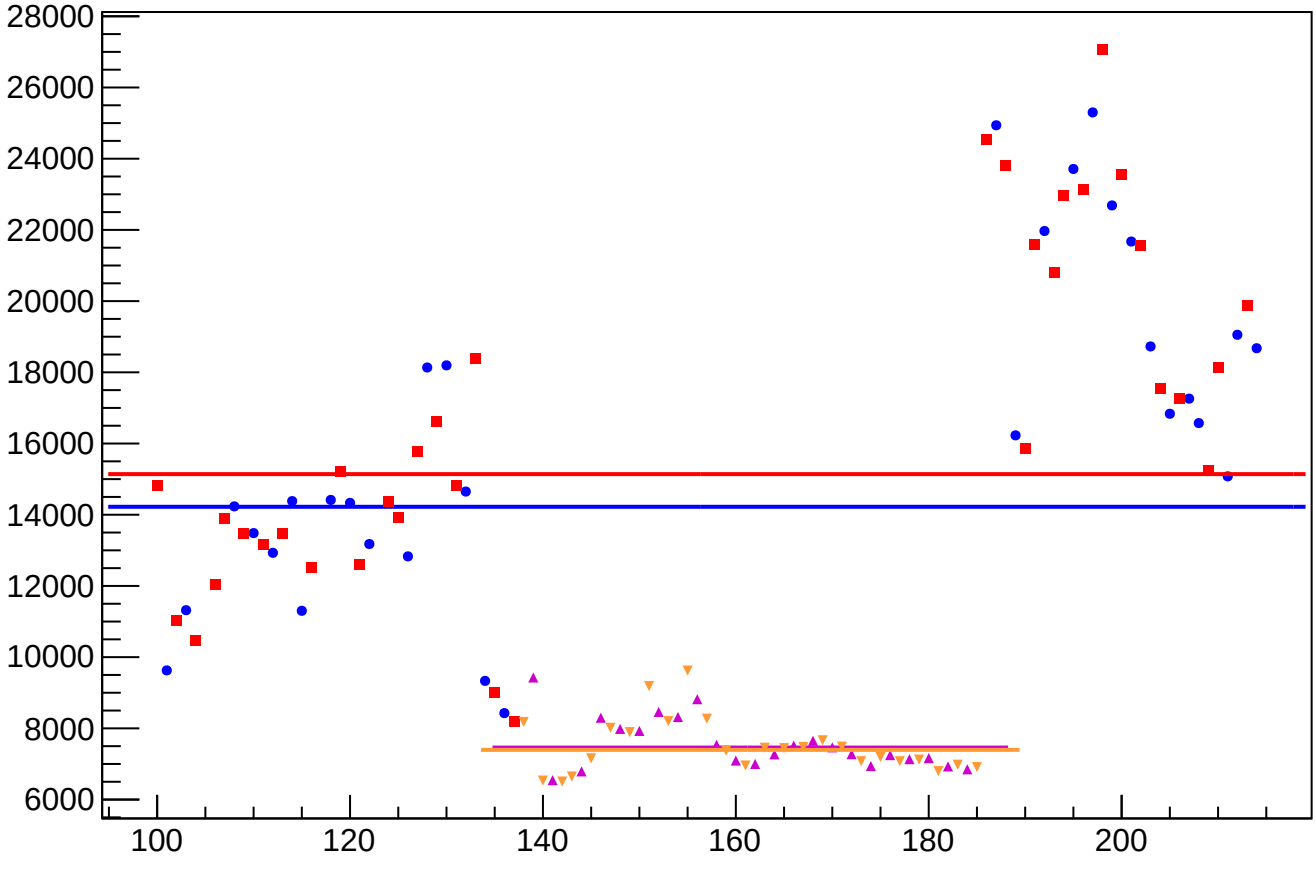
Right: 1.187+/-2.524 χ^2/NDF: 93.1/63

In: 2.246+/-1.567 χ^2/NDF:81.3/52

Out: 4.263+/-1.534 χ^2/NDF:113.8/58

All: 3.276+/-1.096 χ^2/NDF: 195.9/111

diff_bpm4aediffX_rms vs Slug, Sign Corrected



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

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

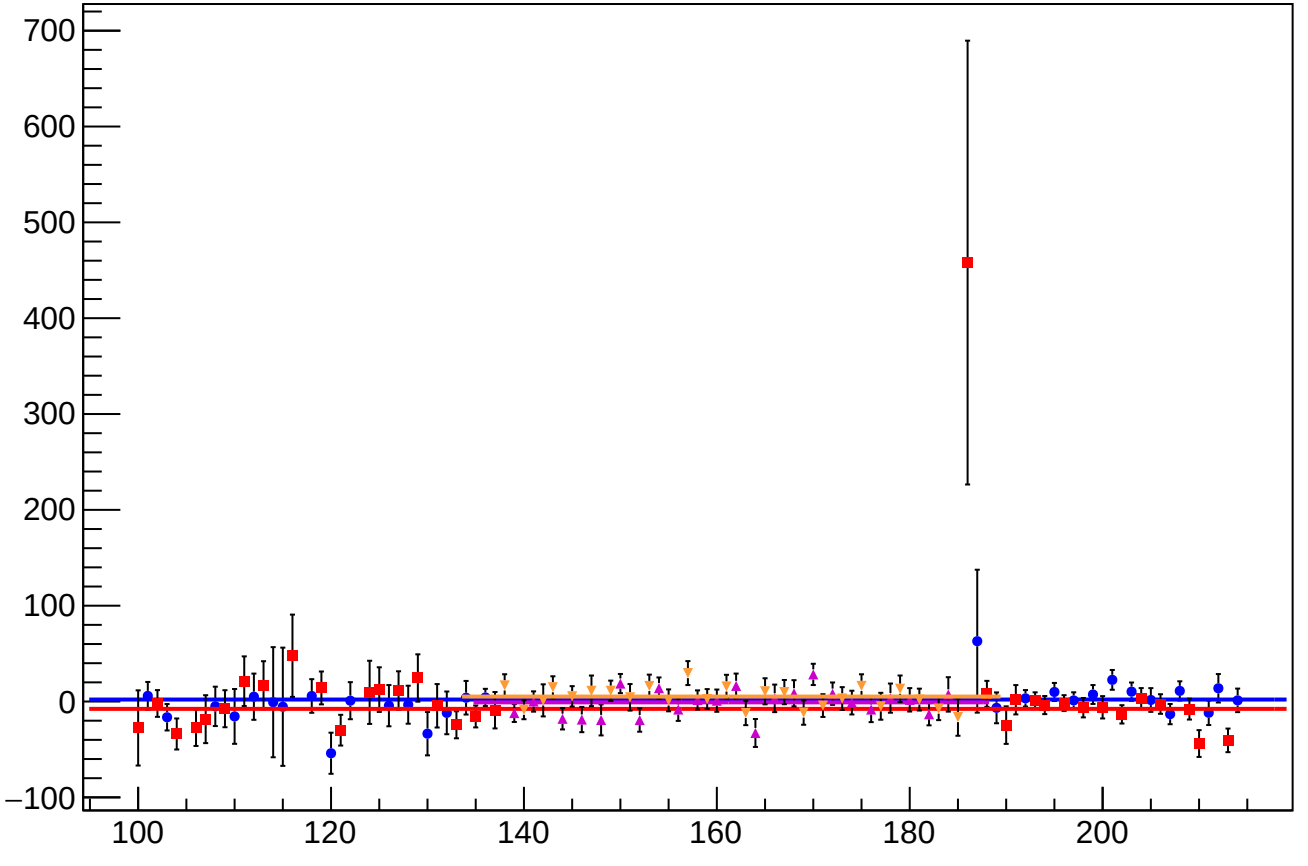
Right: 14665.194+/-1.785 χ^2/NDF: 6634184.4/63

In: 8812.198+/-1.108 χ^2/NDF:9592848.5/52

Out: 8773.139+/-1.084 χ^2/NDF:10996411.4/58

All: 8792.247+/-0.775 χ^2/NDF: 20589894.5/1

diff_bpm4aesumY_mean vs Slug, Sign Corrected



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

Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

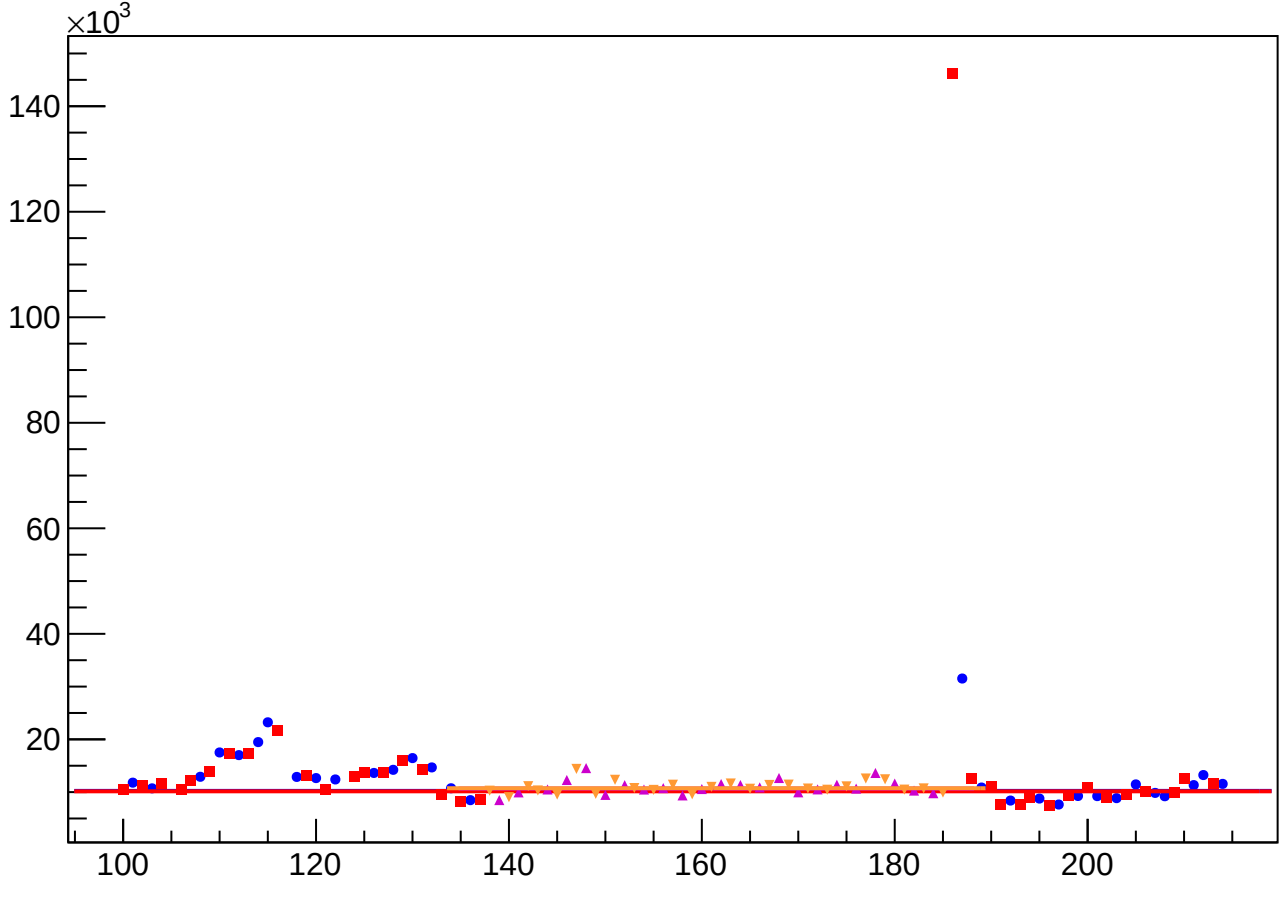
Right: -2.871+/-1.729 χ^2/NDF: 72.7/63

In: 0.626+/-1.762 χ^2/NDF:56.2/52

Out: -1.330+/-1.726 χ^2/NDF:73.2/58

All: -0.372+/-1.233 χ^2/NDF: 130.1/111

diff_bpm4aesumY_rms vs Slug, Sign Corrected



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

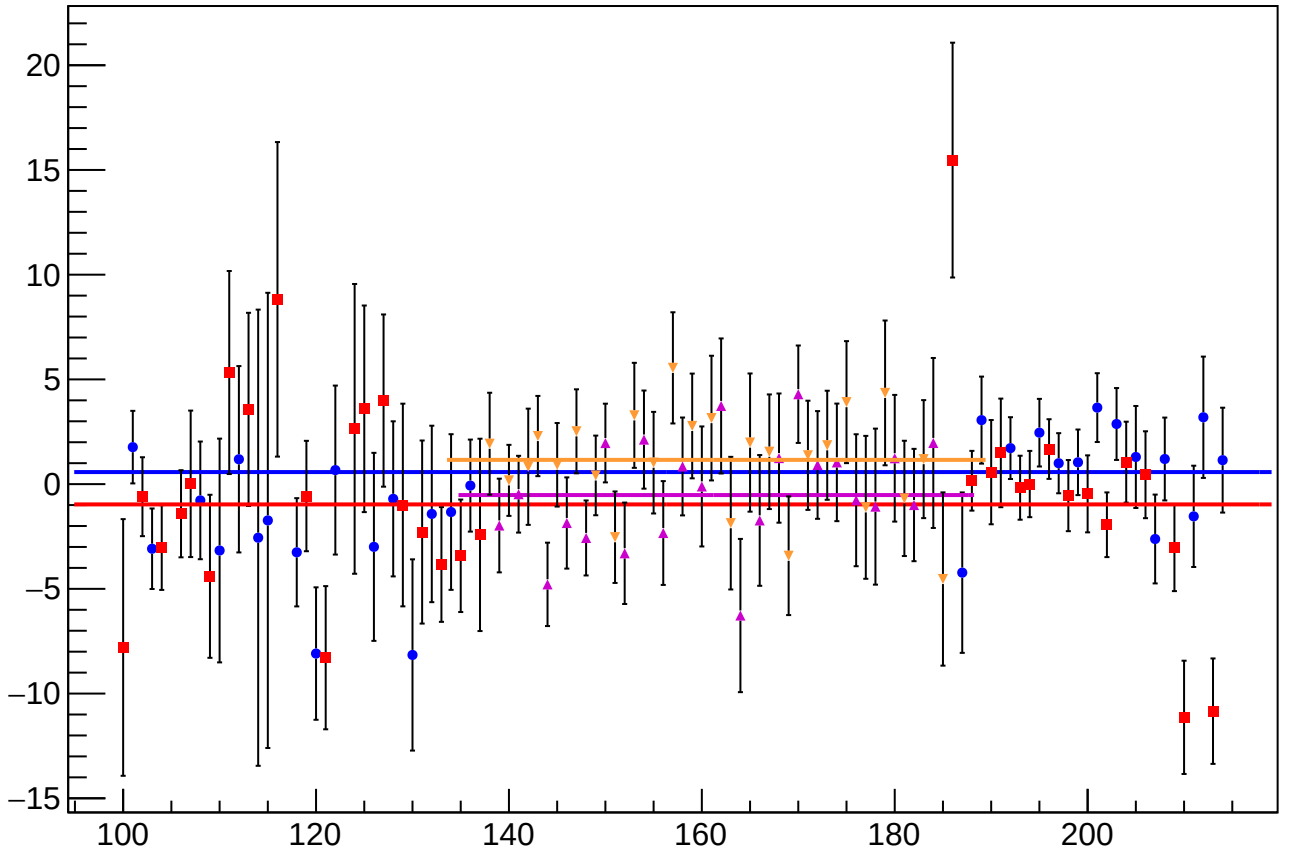
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10189.868+/-1.222 χ^2/NDF: 4148501.8/63

In: 10448.554+/-1.246 χ^2/NDF:2289345.5/52

Out: 10438.566+/-1.221 χ^2/NDF:2816108.5/58

All: 10443.458+/-0.872 χ^2/NDF: 5105486.8/1



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

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

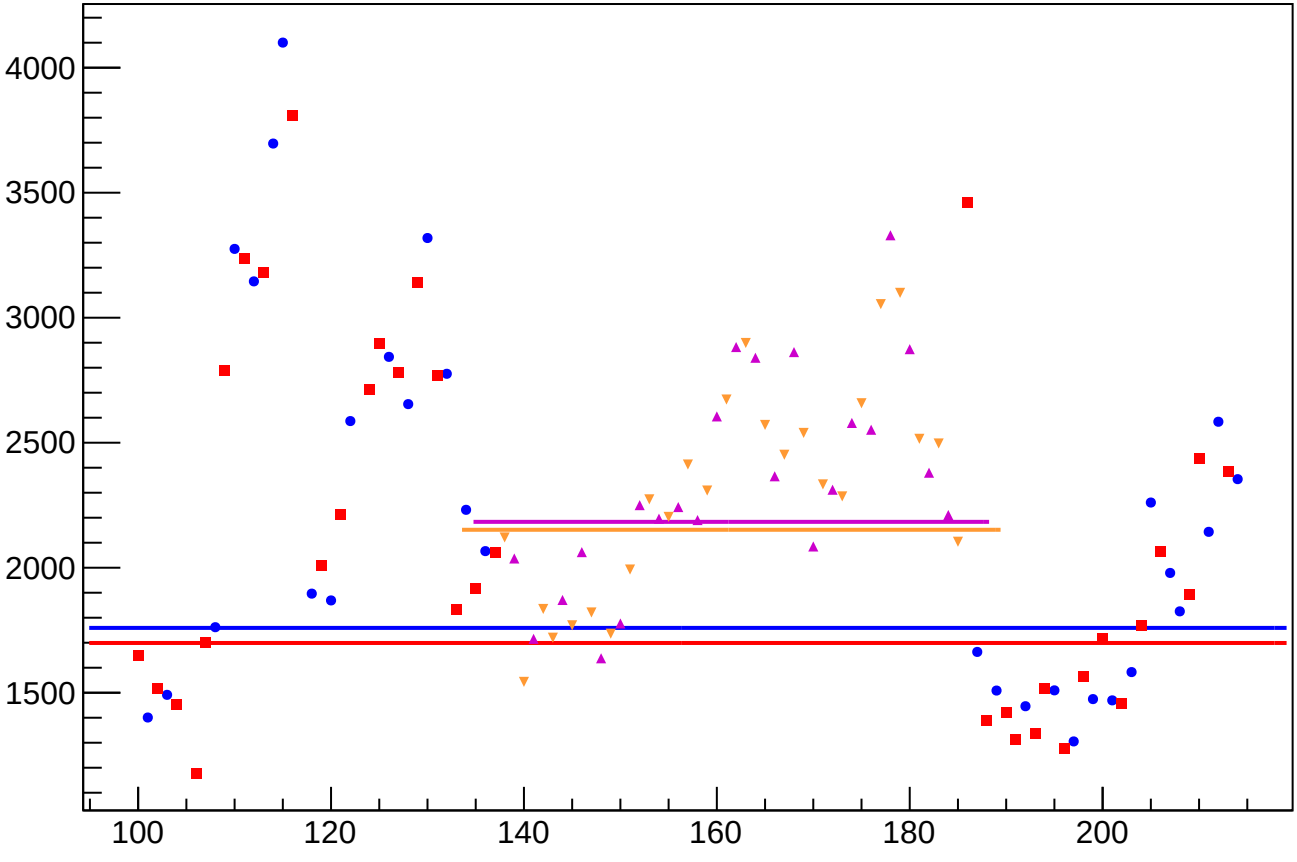
Right: -0.234+/-0.294 χ^2/NDF: 105.1/63

In: 0.134+/-0.330 χ^2/NDF:59.2/52

Out: -0.122+/-0.315 χ^2/NDF:91.8/58

All: 0.000+/-0.228 χ^2/NDF: 151.3/111

diff_bpm4aediffY_rms vs Slug, Sign Corrected



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

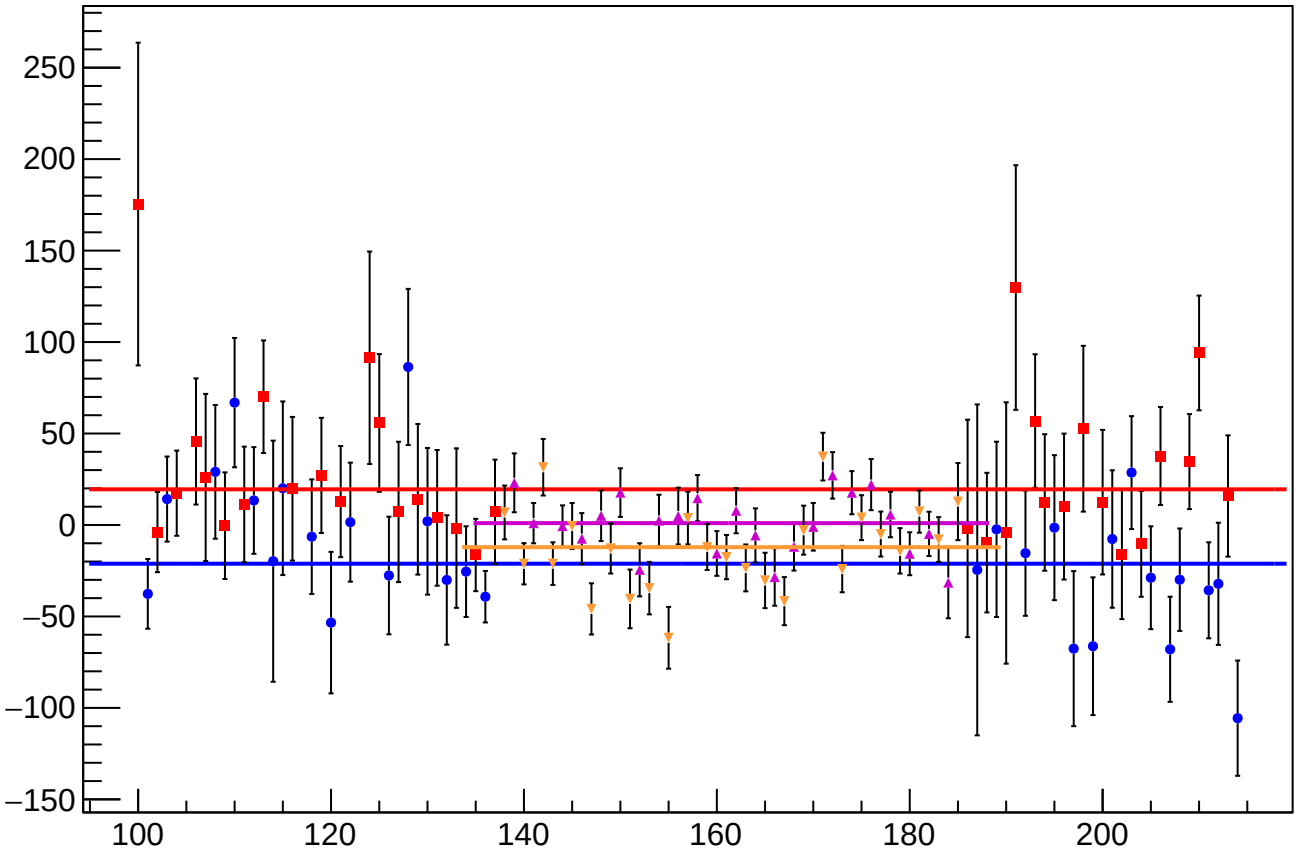
Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

Right: 1727.699+/-0.208 χ^2/NDF: 5069896.3/63

In: 1930.017+/-0.233 χ^2/NDF:4292821.4/52

Out: 1879.160+/-0.223 χ^2/NDF:5050413.6/58

All: 1903.462+/-0.161 χ^2/NDF: 9368068.2/11



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

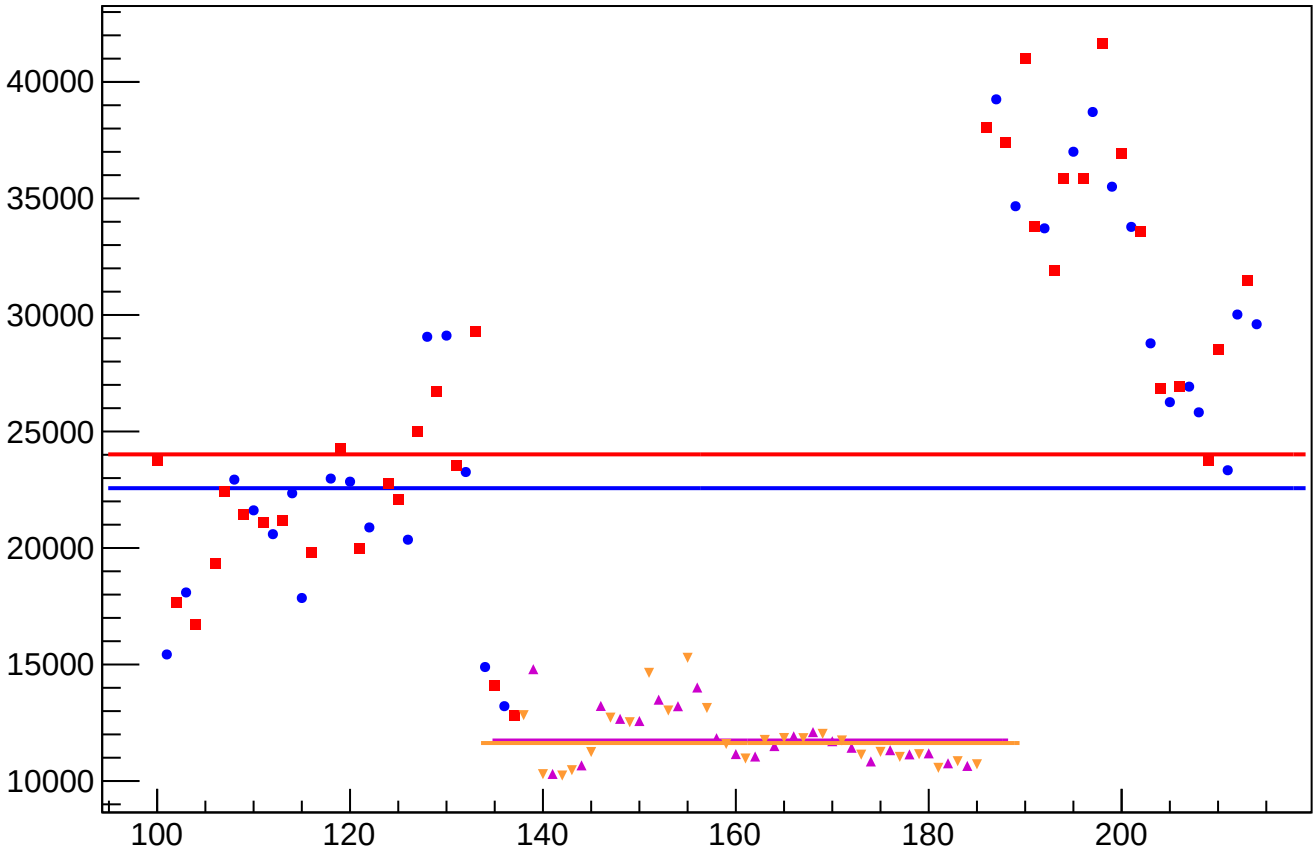
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

Right: -1.608+/-4.000 χ^2/NDF: 93.7/63

In: -3.367+/-2.470 χ^2/NDF:81.0/52

Out: -6.583+/-2.416 χ^2/NDF:115.9/58

All: -5.010+/-1.727 χ^2/NDF: 197.8/111



Right In: 22567.151+/-3.926 χ^2/NDF: 3344302.0/29

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 24017.839+/-4.078 χ^2/NDF: 3198285.0/33

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

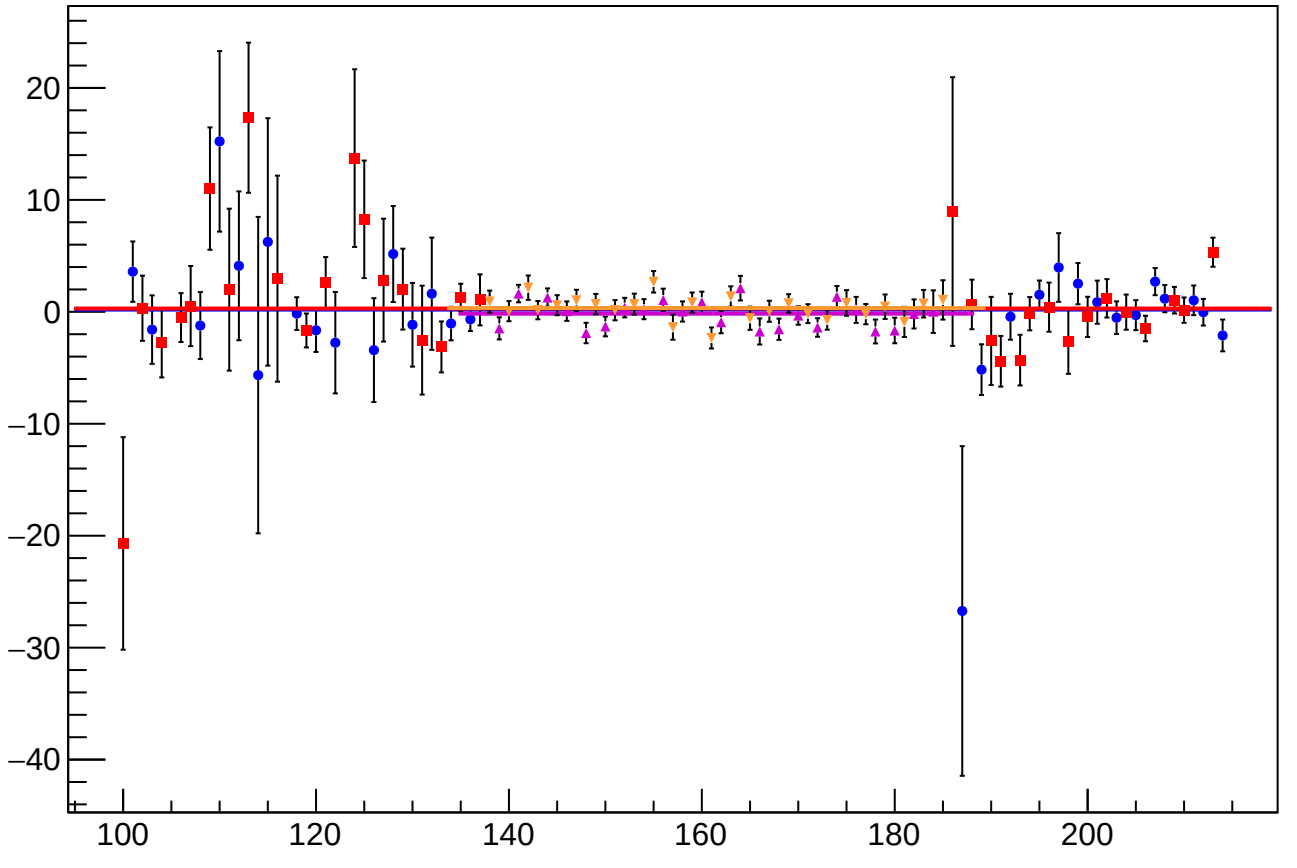
Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

Right: 23265.001+/-2.829 χ^2/NDF: 6608251.3/63

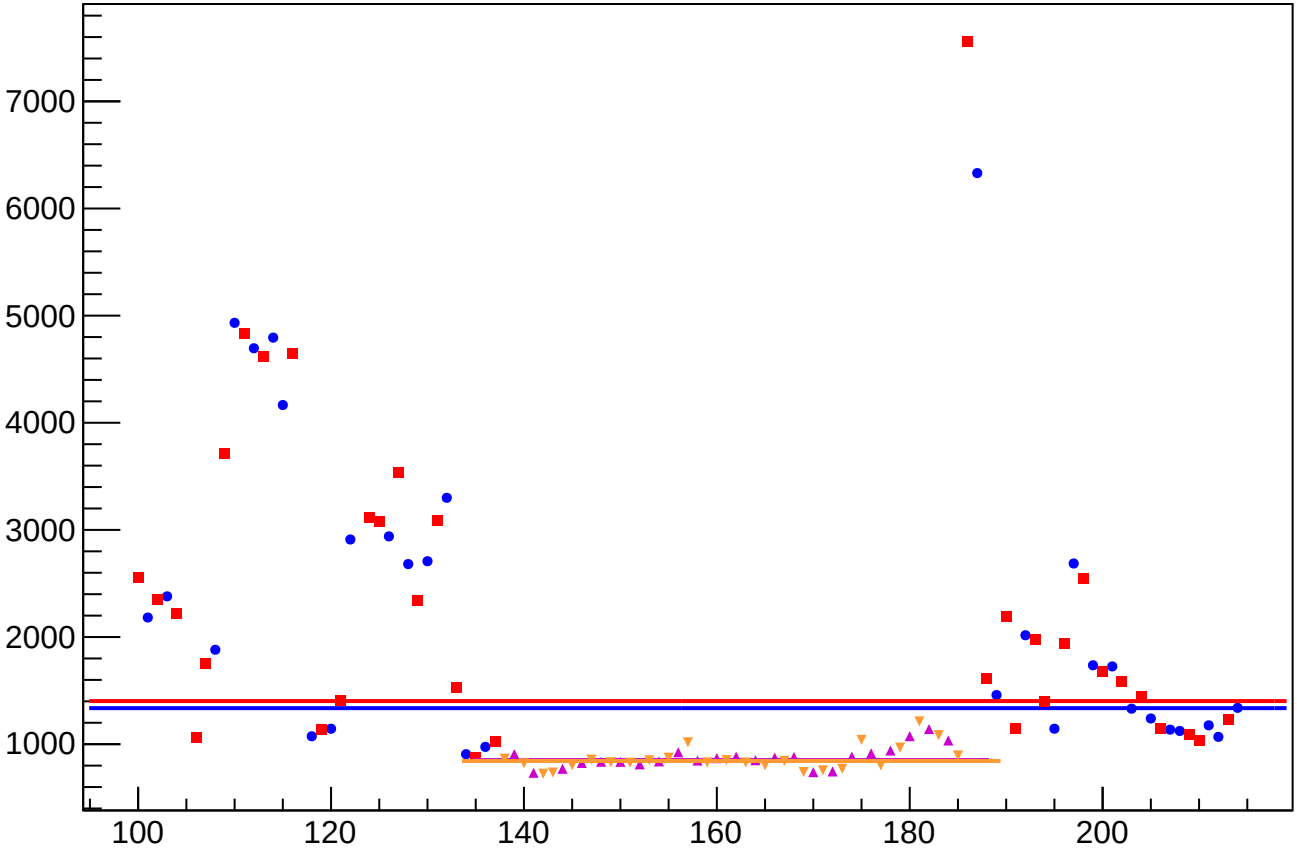
In: 13880.576+/-1.746 χ^2/NDF:9759119.0/52

Out: 13804.461+/-1.709 χ^2/NDF:11161268.2/58

All: 13841.685+/-1.221 χ^2/NDF: 20921357.7/


diff_bpmtargetdiffX_mean vs Slug, Sign Corrected
20
10
0
−10
−20
−30
−40
100
120
140
160
180
200
Right In: 0.201+/-0.340 χ²/NDF: 33.1/29
Left Out: 0.343+/-0.194 χ²/NDF:26.8/24
Right Out: 0.293+/-0.357 χ²/NDF: 57.2/33
Left In: -0.165+/-0.201 χ²/NDF:36.3/22
Left: 0.098+/-0.139 χ²/NDF: 66.4/47
Right: 0.245+/-0.246 χ²/NDF: 90.3/63
In: -0.070+/-0.173 χ²/NDF:70.3/52
Out: 0.332+/-0.170 χ²/NDF:84.0/58
All: 0.134+/-0.121 χ²/NDF: 157.0/111

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



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

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

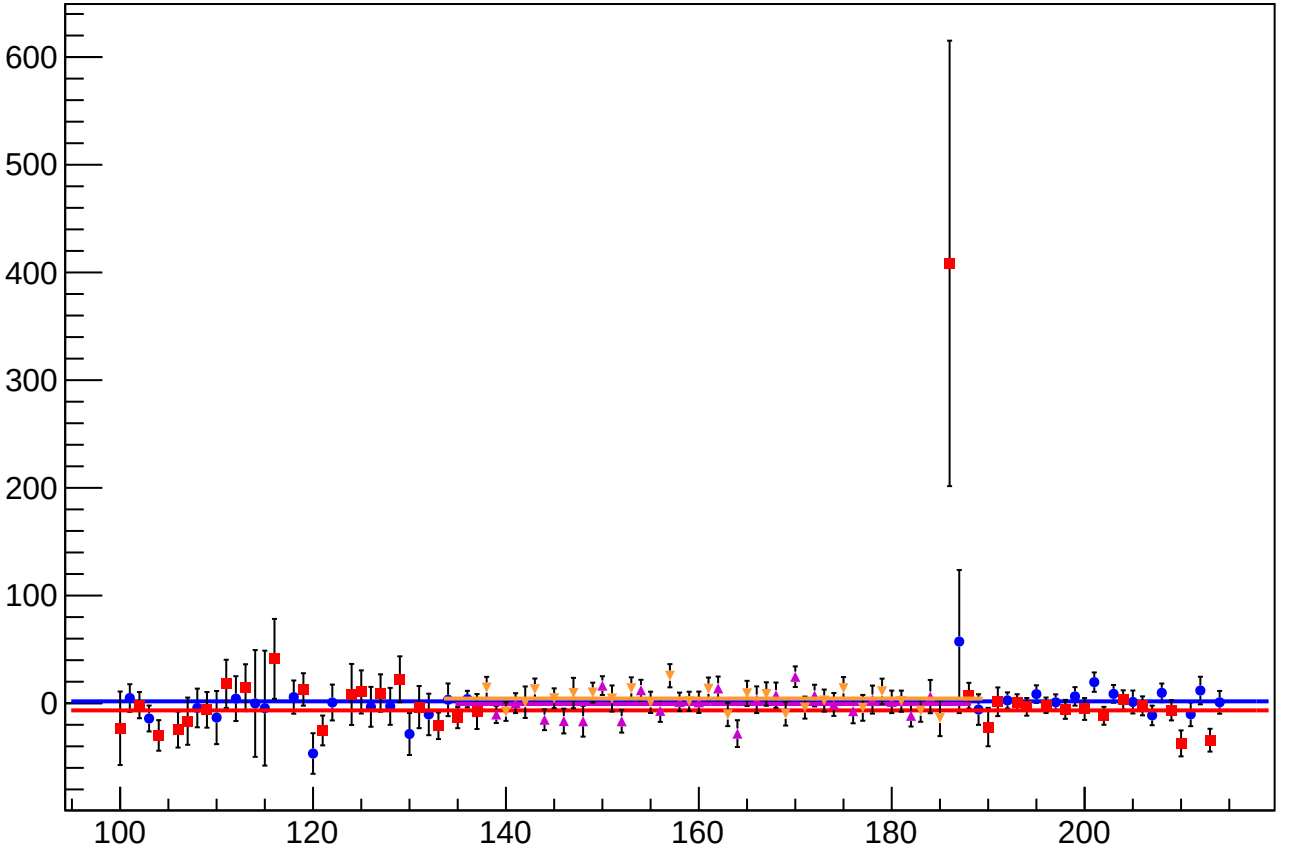
Right: 1367.677+/-0.174 χ^2/NDF: 9966755.9/63

In: 977.141+/-0.122 χ^2/NDF:8120815.6/52

Out: 970.431+/-0.120 χ^2/NDF:9500798.6/58

All: 973.735+/-0.086 χ^2/NDF: 17623143.0/1

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



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

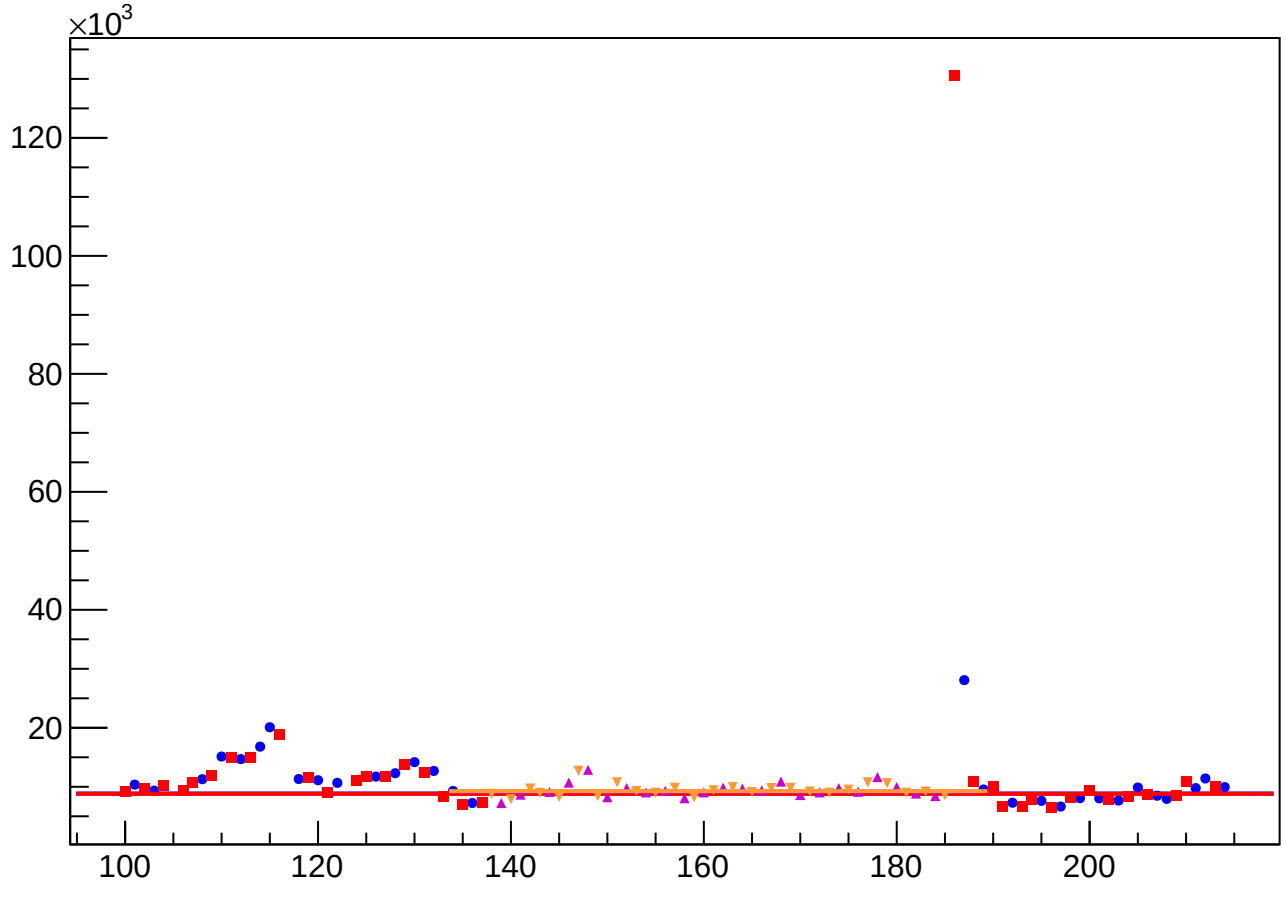
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -2.490+/-1.499 χ^2/NDF: 71.6/63

In: 0.540+/-1.523 χ^2/NDF:56.1/52

Out: -1.167+/-1.494 χ^2/NDF:72.5/58

All: -0.330+/-1.066 χ^2/NDF: 129.3/111



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

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

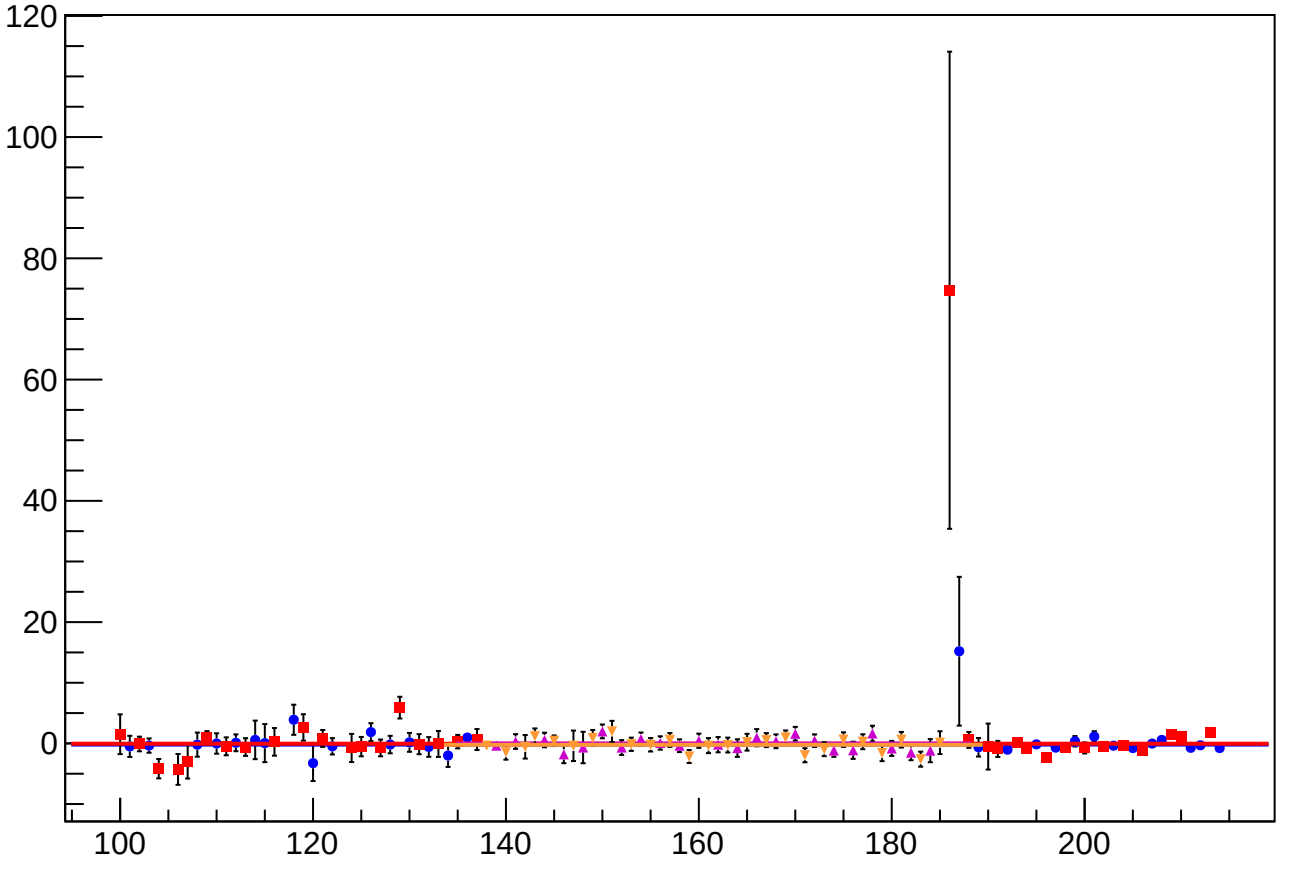
Right: 8832.654+/-1.060 χ^2/NDF: 4151042.1/63

In: 9027.308+/-1.077 χ^2/NDF:2300555.6/52

Out: 9031.643+/-1.056 χ^2/NDF:2802741.9/58

All: 9029.517+/-0.754 χ^2/NDF: 5103305.8/11

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



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

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

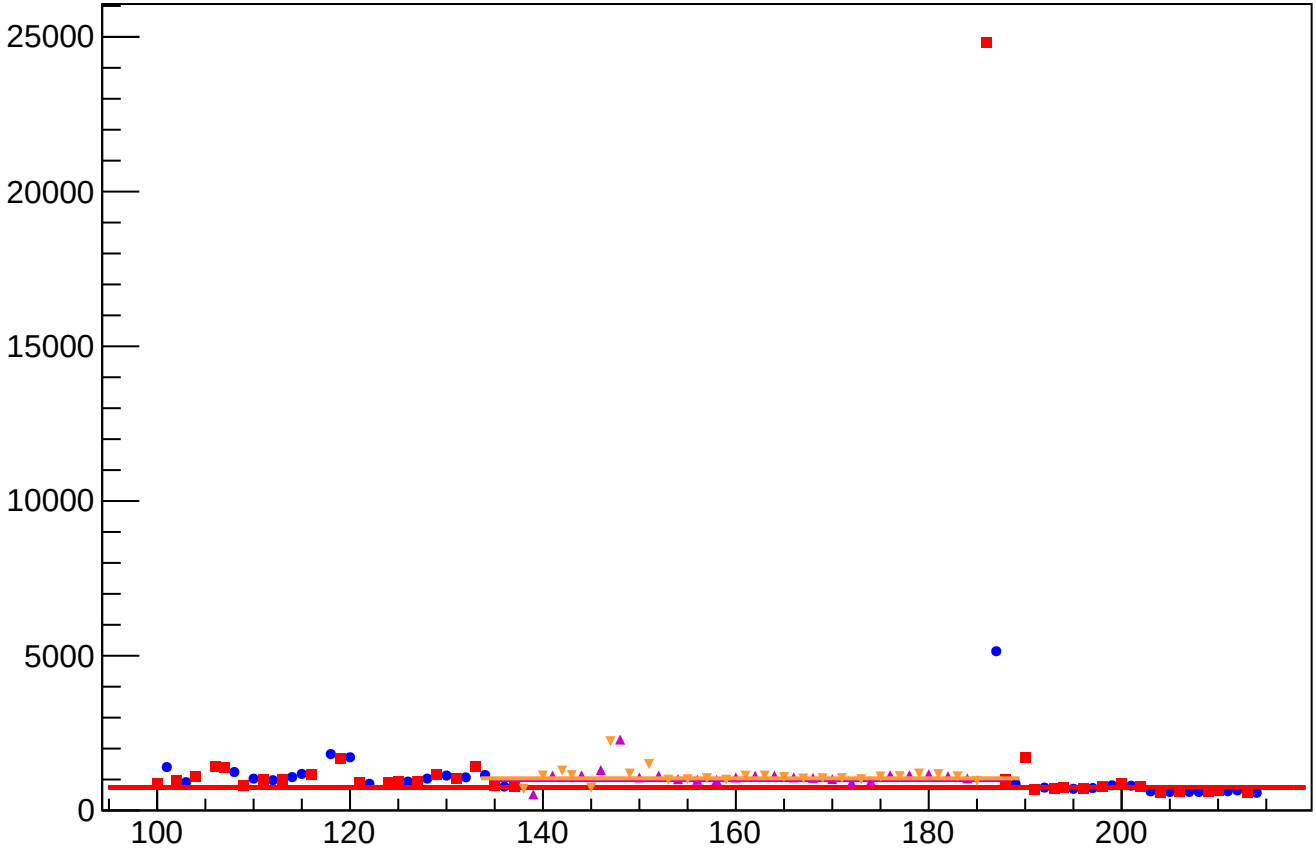
Right: -0.125+/-0.129 χ^2/NDF: 79.1/63

In: -0.132+/-0.143 χ^2/NDF:34.3/52

Out: -0.117+/-0.147 χ^2/NDF:79.3/58

All: -0.125+/-0.103 χ^2/NDF: 113.6/111

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



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

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

Right: 745.080+/-0.091 χ^2/NDF: 5488299.3/63

In: 822.152+/-0.101 χ^2/NDF:6193614.4/52

Out: 860.883+/-0.104 χ^2/NDF:5923482.9/58

All: 841.045+/-0.073 χ^2/NDF: 12188230.1/11

yield_cav4bX_mean vs Slug, Sign Corrected

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

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

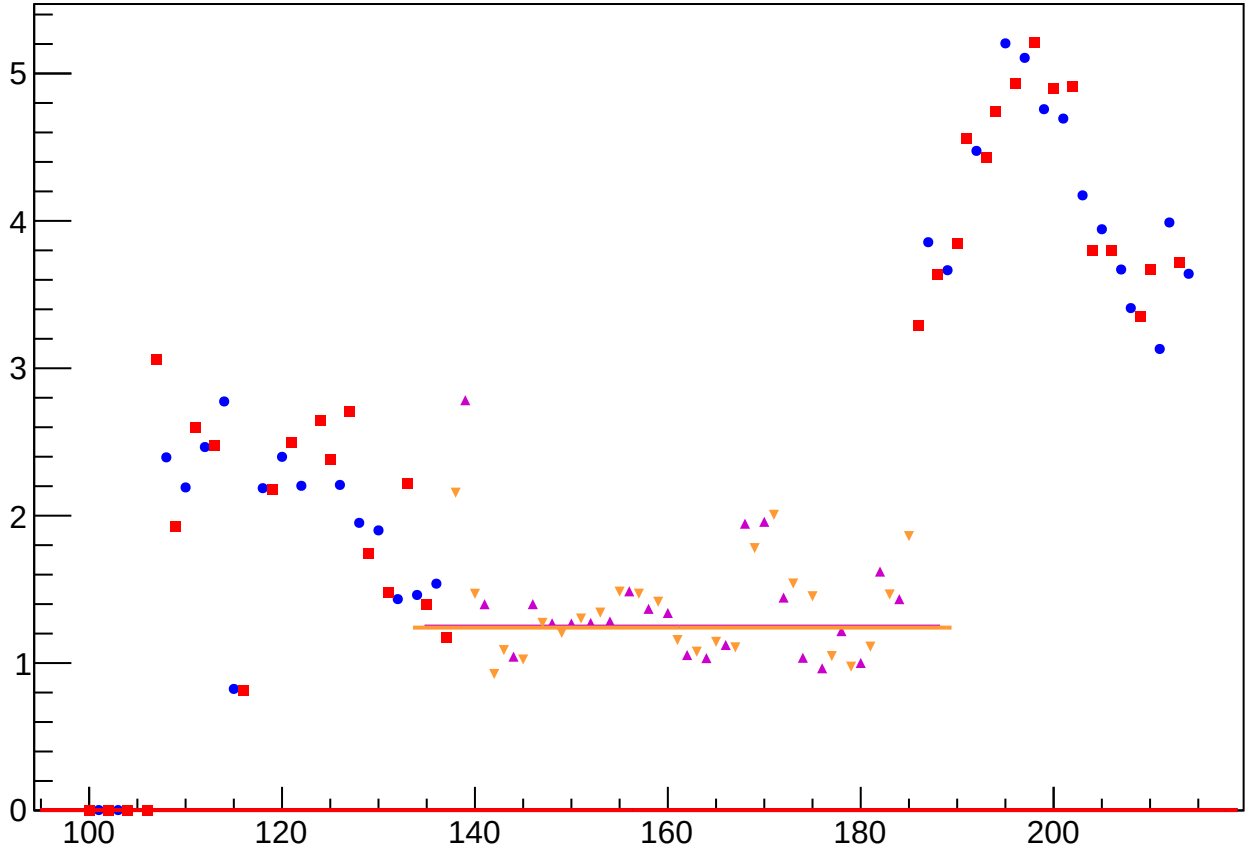
Right: 131.818+/-0.000 χ^2/NDF: 793039971506853

In: 139.328+/-0.000 χ^2/NDF:320545751971.6/52

Out: 125.384+/-0.000 χ^2/NDF:774420005051323.

All: 131.810+/-0.000 χ^2/NDF: 79352238279

yield_cav4bX_rms vs Slug, Sign Corrected



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

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

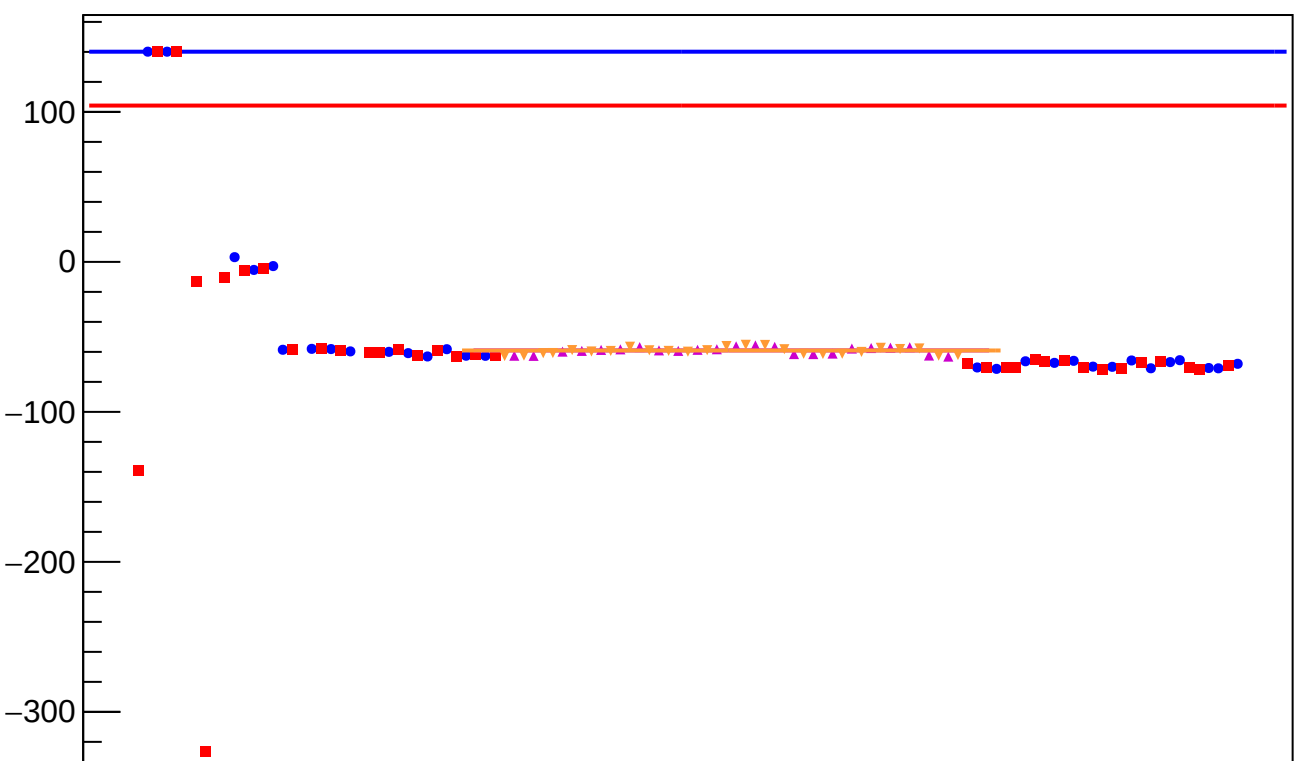
Right: 0.003+/-0.000 χ^2/NDF: 63063899.7/63

In: 0.003+/-0.000 χ^2/NDF:60785116.1/52

Out: 0.003+/-0.000 χ^2/NDF:63343437.4/58

All: 0.003+/-0.000 χ^2/NDF: 124128835.2/111

yield_cav4bY_mean vs Slug, Sign Corrected



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

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

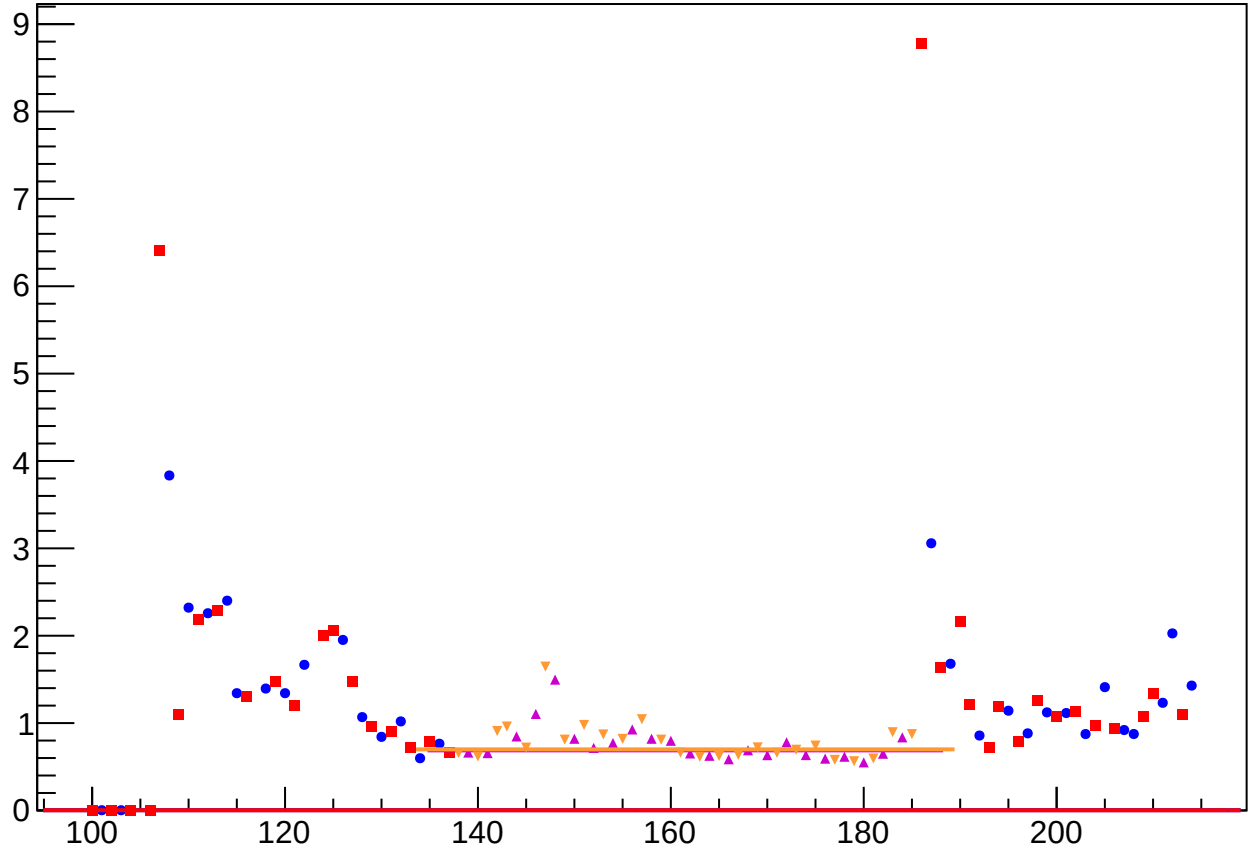
Right: 120.824+/-0.000 χ^2/NDF: 138146576916016

In: 140.099+/-0.000 χ^2/NDF:1790525845705.8/52

Out: 104.191+/-0.000 χ^2/NDF:1258523529890472

All: 120.793+/-0.000 χ^2/NDF: 13835637757

yield_cav4bY_rms vs Slug, Sign Corrected



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

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

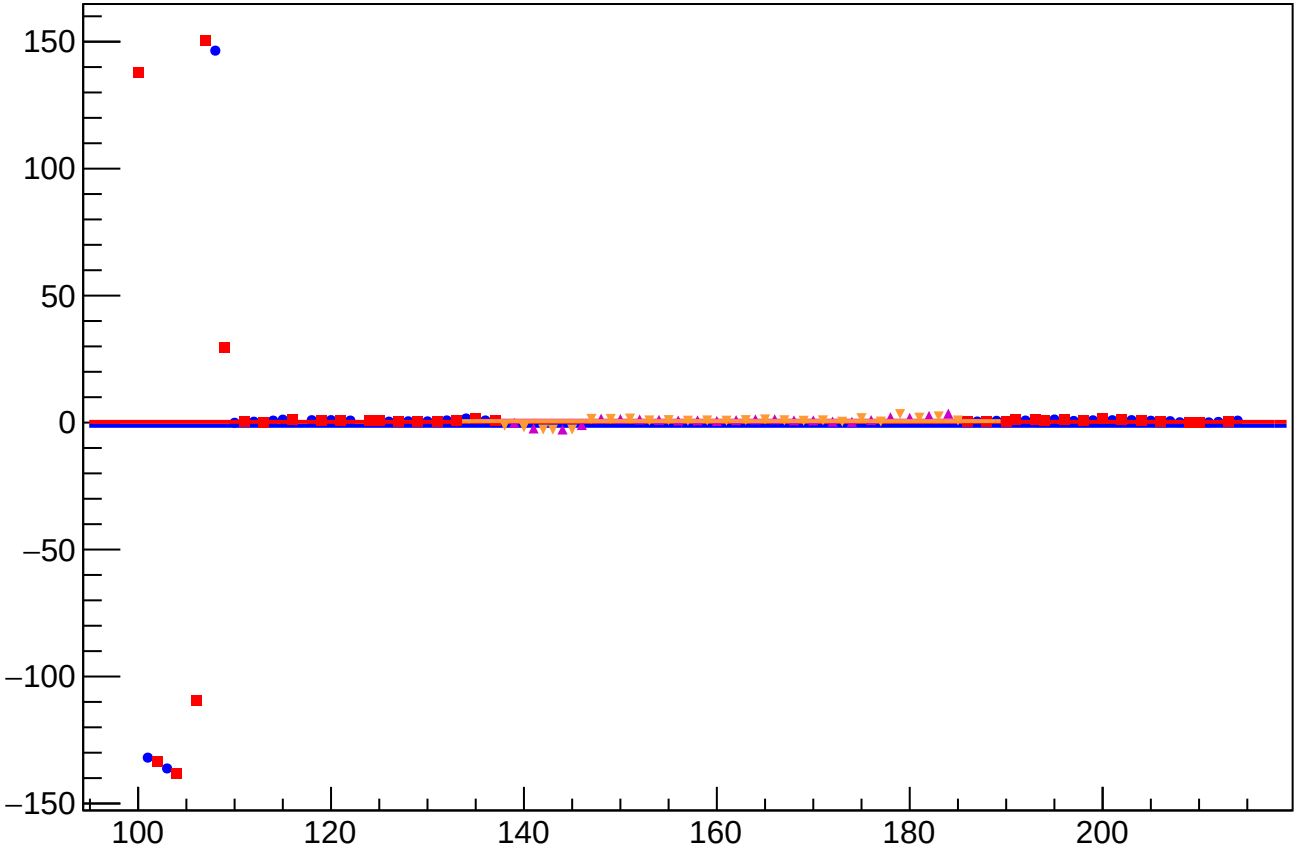
Right: 0.003+/-0.000 χ^2/NDF: 58189029.3/63

In: 0.003+/-0.000 χ^2/NDF:59768824.1/52

Out: 0.003+/-0.000 χ^2/NDF:62777270.8/58

All: 0.003+/-0.000 χ^2/NDF: 122546565.9/111

yield_cav4cX_mean vs Slug, Sign Corrected



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

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

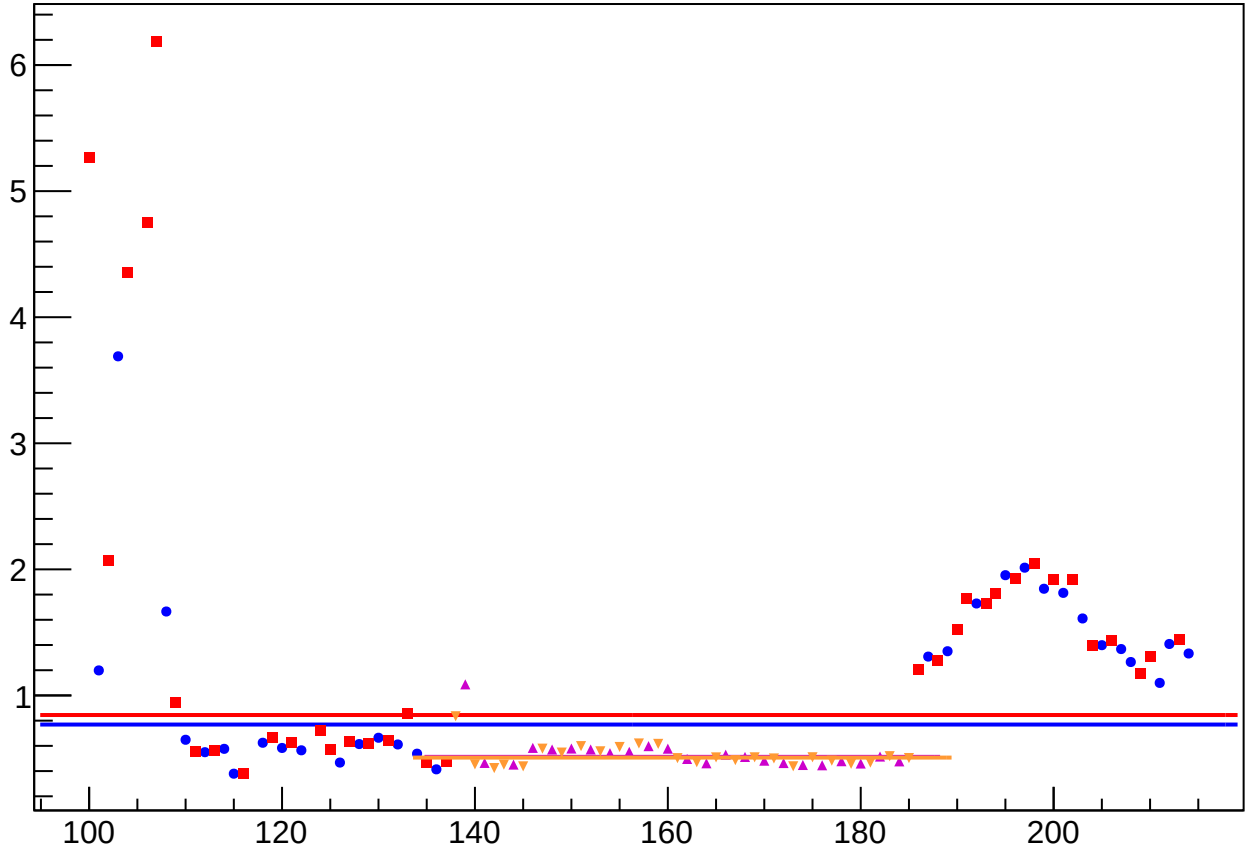
Right: -0.544+/-0.000 χ^2/NDF: 13545520147.6/63

In: 0.189+/-0.000 χ^2/NDF:10075115004.0/52

Out: 0.508+/-0.000 χ^2/NDF:3768517075.8/58

All: 0.350+/-0.000 χ^2/NDF: 13847605800.5/1

yield_cav4cX_rms vs Slug, Sign Corrected



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

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

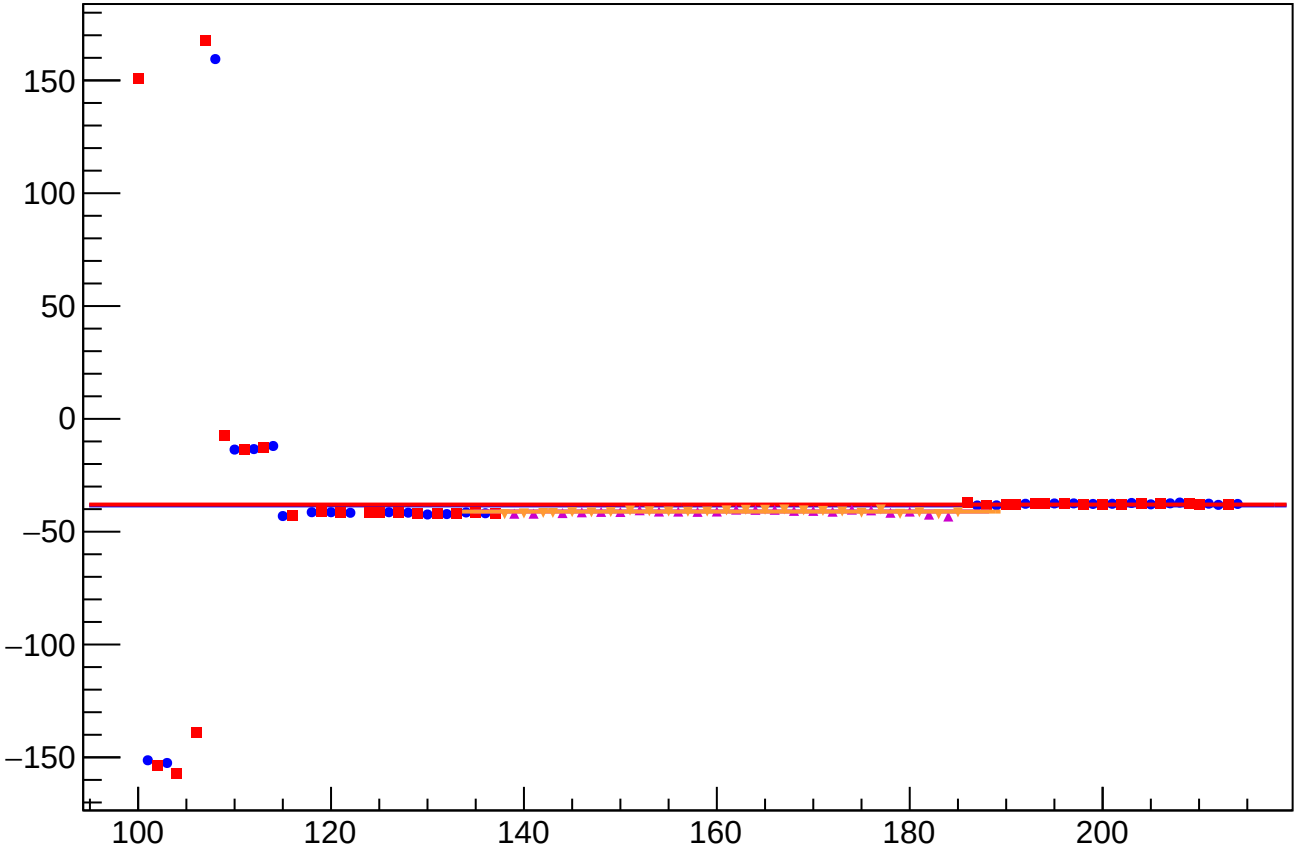
Right: 0.804+/-0.000 χ^2/NDF: 17280824.2/63

In: 0.583+/-0.000 χ^2/NDF:11129180.4/52

Out: 0.585+/-0.000 χ^2/NDF:12551668.1/58

All: 0.584+/-0.000 χ^2/NDF: 23681205.9/111

yield_cav4cY_mean vs Slug, Sign Corrected



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

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

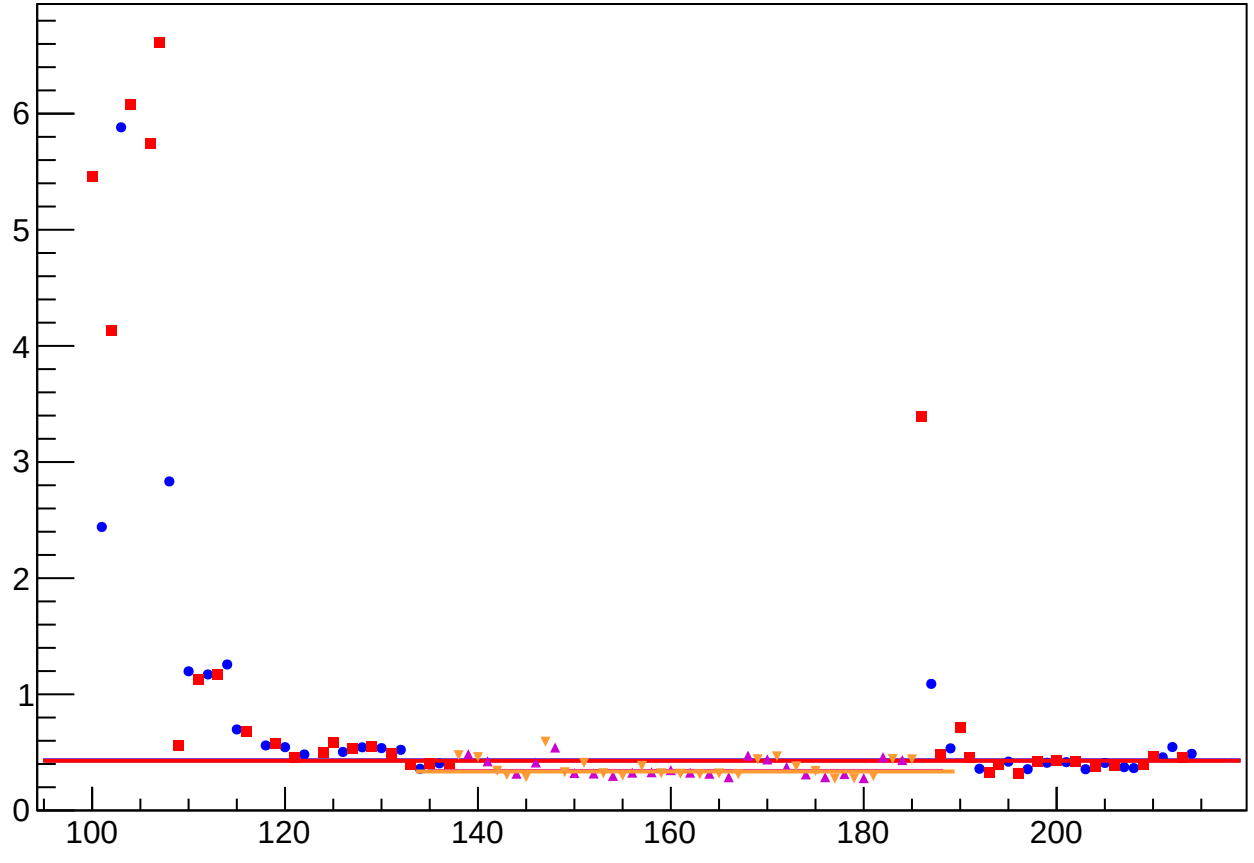
Right: -38.160+/-0.000 χ^2/NDF: 6141130072.6/63

In: -40.074+/-0.000 χ^2/NDF:4044136948.3/52

Out: -40.021+/-0.000 χ^2/NDF:3100207742.0/58

All: -40.047+/-0.000 χ^2/NDF: 7144665071.0/

yield_cav4cY_rms vs Slug, Sign Corrected



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

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

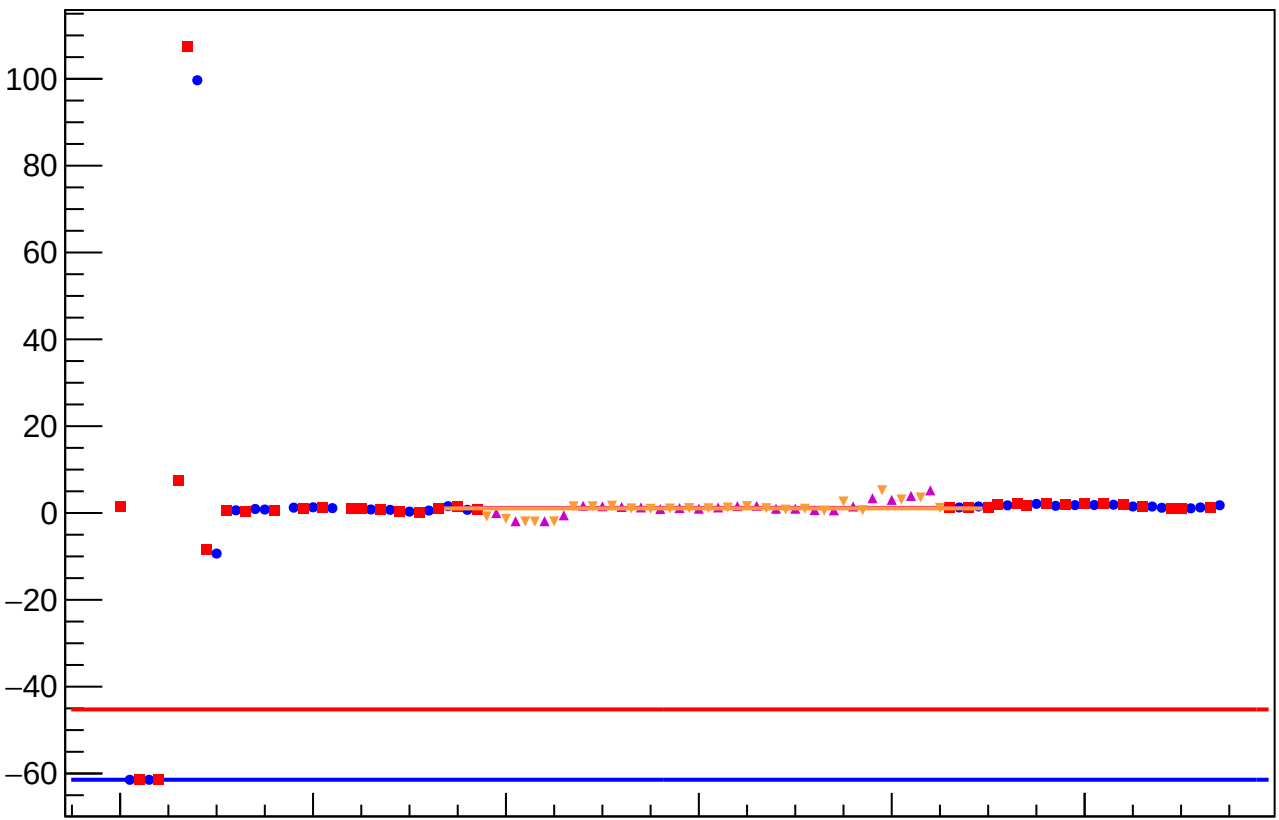
Right: 0.430+/-0.000 χ^2/NDF: 8545462.8/63

In: 0.373+/-0.000 χ^2/NDF:5762446.4/52

Out: 0.367+/-0.000 χ^2/NDF:6868093.5/58

All: 0.370+/-0.000 χ^2/NDF: 12637044.6/111

yield_cav4dX_mean vs Slug, Sign Corrected



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

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

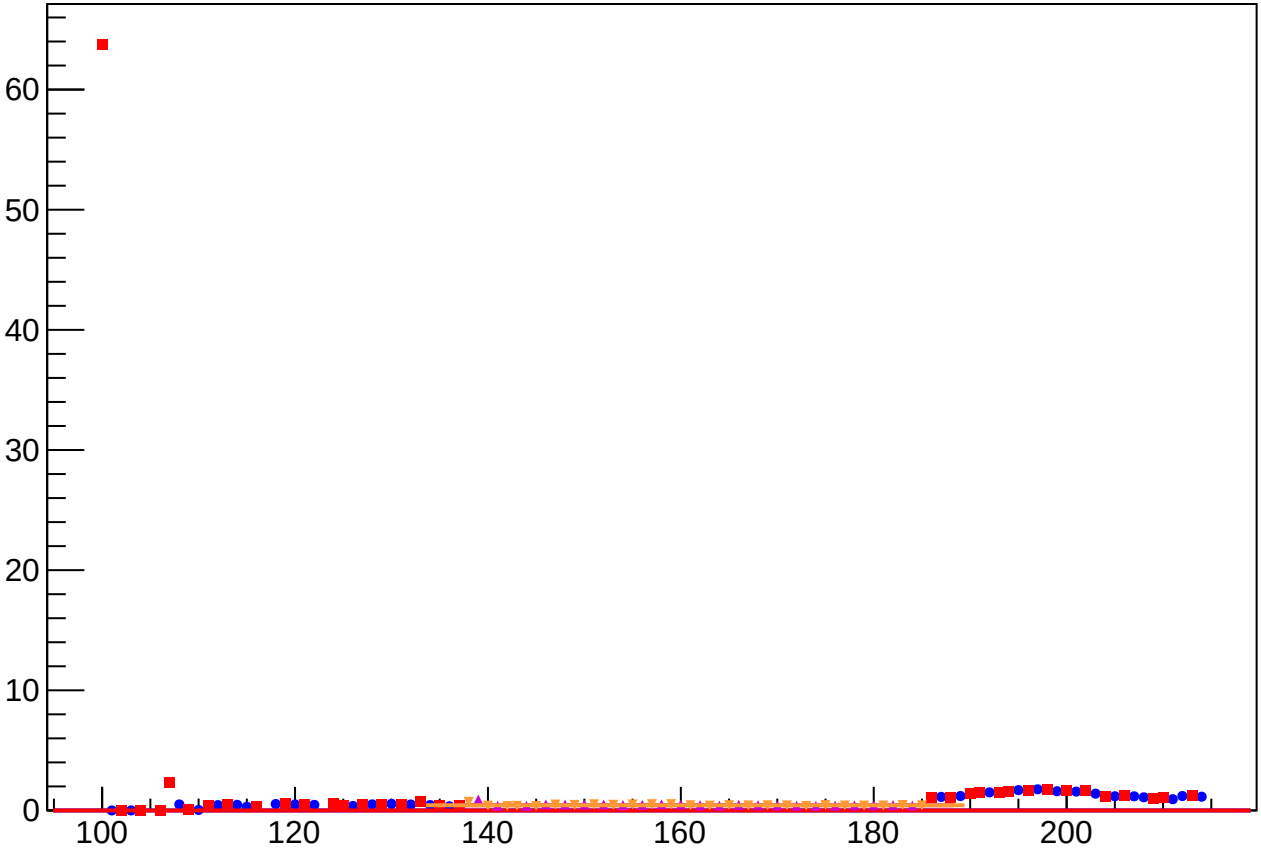
Right: -52.748+/-0.000 χ^2/NDF: 409160358405050

In: -61.422+/-0.000 χ^2/NDF:602334982949.2/52

Out: -45.235+/-0.000 χ^2/NDF:358065815642700.9

All: -52.737+/-0.000 χ^2/NDF: 409629759539

yield_cav4dX_rms vs Slug, Sign Corrected



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

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

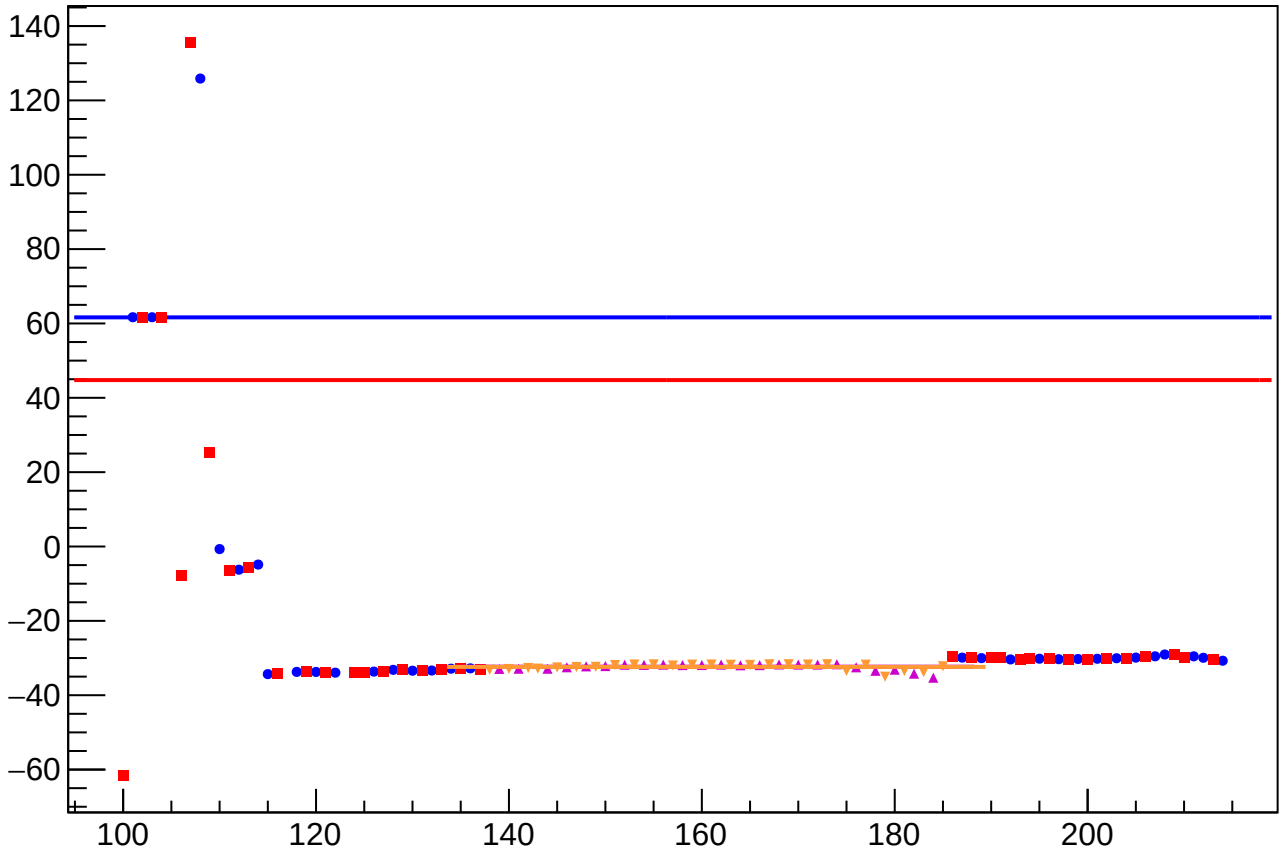
Right: 0.001+/-0.000 χ^2/NDF: 62283036.3/63

In: 0.002+/-0.000 χ^2/NDF:60742751.3/52

Out: 0.002+/-0.000 χ^2/NDF:63443570.8/58

All: 0.002+/-0.000 χ^2/NDF: 124186375.1/111

yield_cav4dY_mean vs Slug, Sign Corrected



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: 3665956613109 69.9/33

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

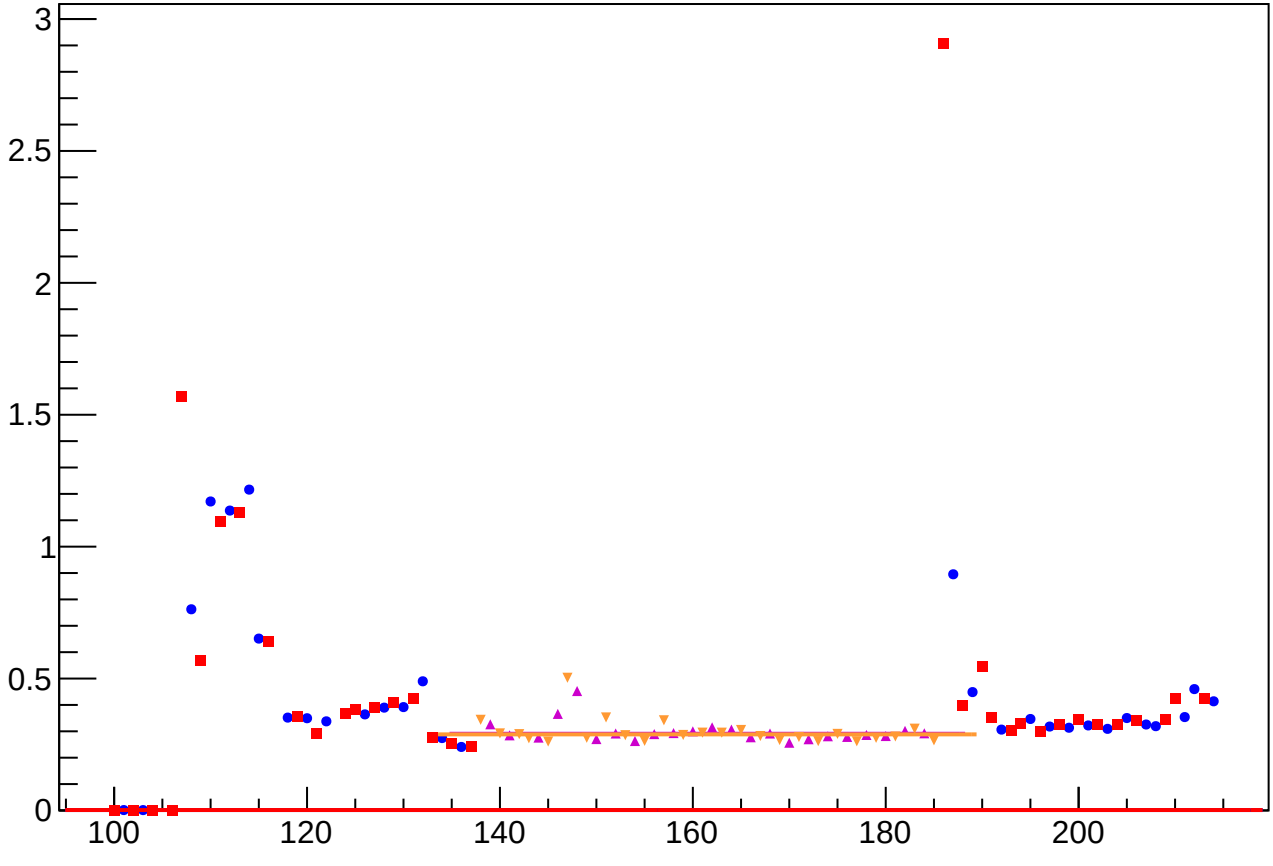
Right: 52.668+/-0.000 χ^2/NDF: 418797072293140.4

In: 61.580+/-0.000 χ^2/NDF:2950186322247.6/52

Out: 44.724+/-0.000 χ^2/NDF:367913659103878.6

All: 52.617+/-0.000 χ^2/NDF: 421890284341

yield_cav4dY_rms vs Slug, Sign Corrected



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

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

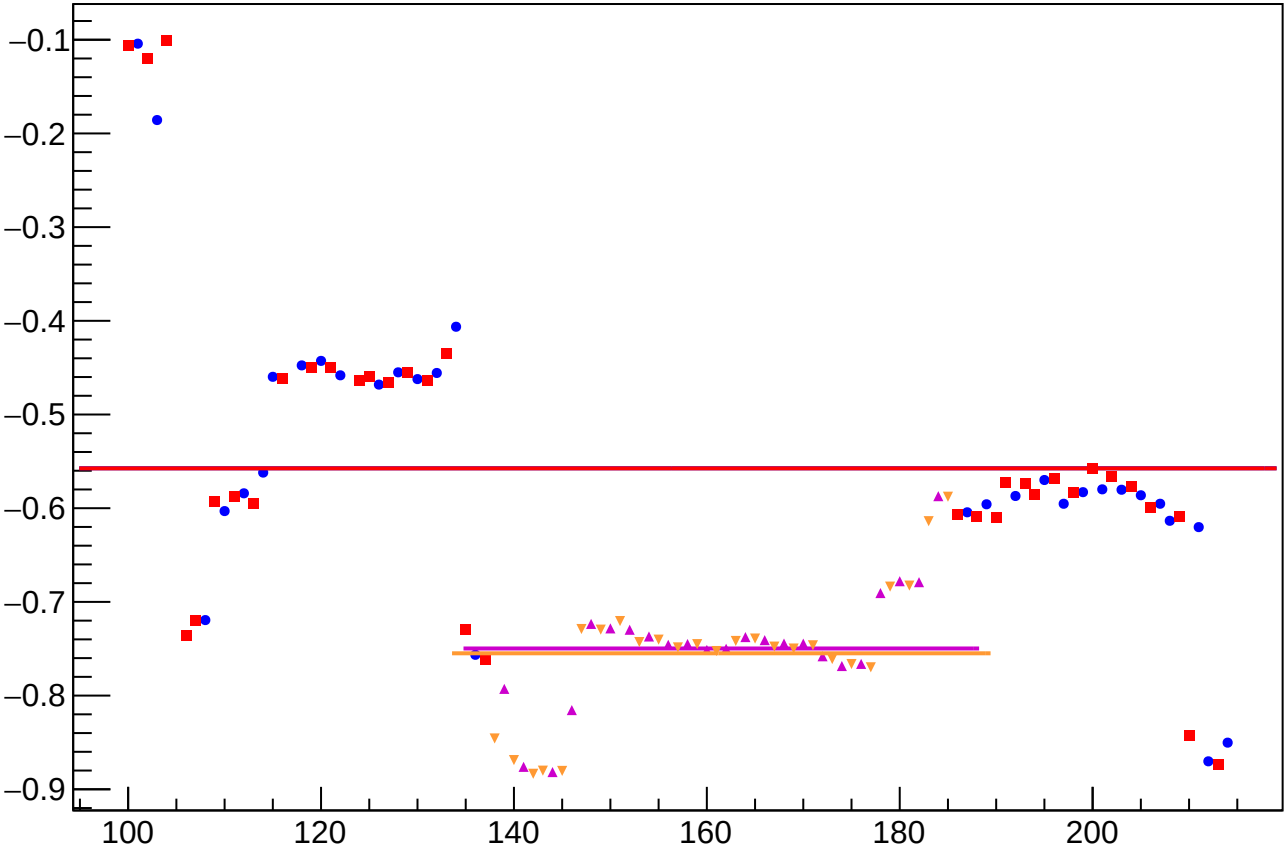
Right: 0.002+/-0.000 χ^2/NDF: 64668209.5/63

In: 0.002+/-0.000 χ^2/NDF:66988918.2/52

Out: 0.002+/-0.000 χ^2/NDF:69509104.8/58

All: 0.002+/-0.000 χ^2/NDF: 136498025.2/111

yield_bpm4aX_mean vs Slug, Sign Corrected



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

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

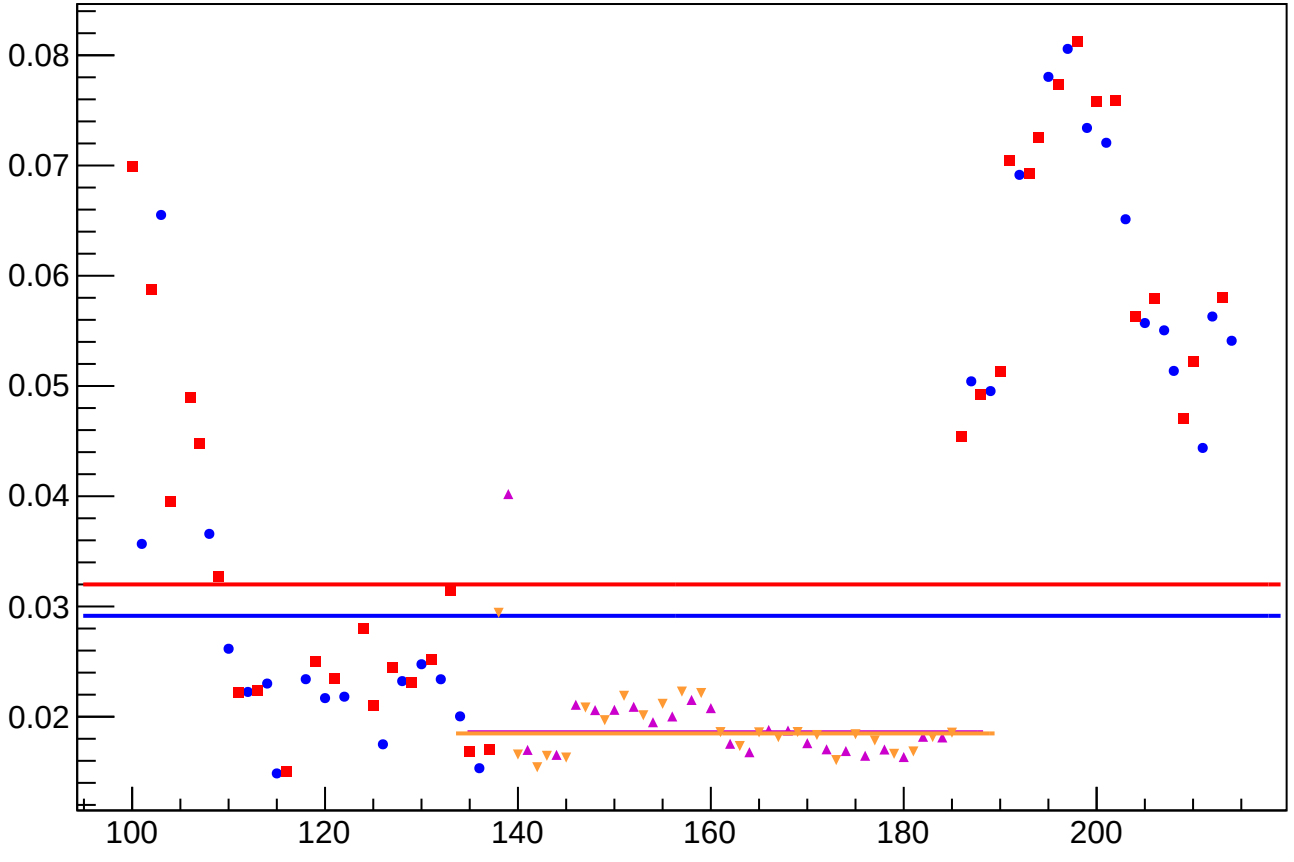
Right: -0.557+/-0.000 χ^2/NDF: 634461566.2/63

In: -0.700+/-0.000 χ^2/NDF:904917708.6/52

Out: -0.711+/-0.000 χ^2/NDF:883119713.0/58

All: -0.706+/-0.000 χ^2/NDF: 1791306832.8/1

yield_bpm4aX_rms vs Slug, Sign Corrected



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

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

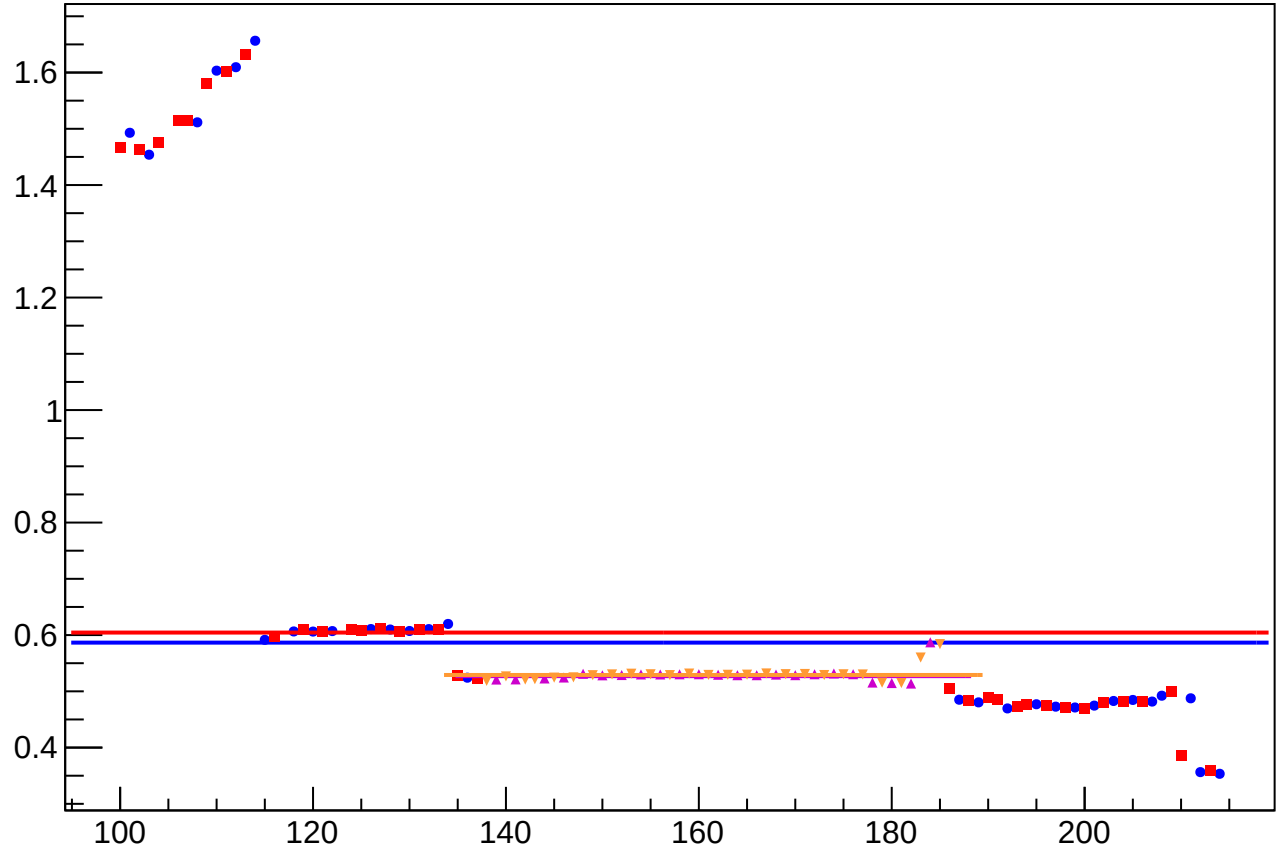
Right: 0.030+/-0.000 χ^2/NDF: 16535534.3/63

In: 0.021+/-0.000 χ^2/NDF:11597696.9/52

Out: 0.021+/-0.000 χ^2/NDF:12206845.8/58

All: 0.021+/-0.000 χ^2/NDF: 23806566.0/111

yield_bpm4aY_mean vs Slug, Sign Corrected



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

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

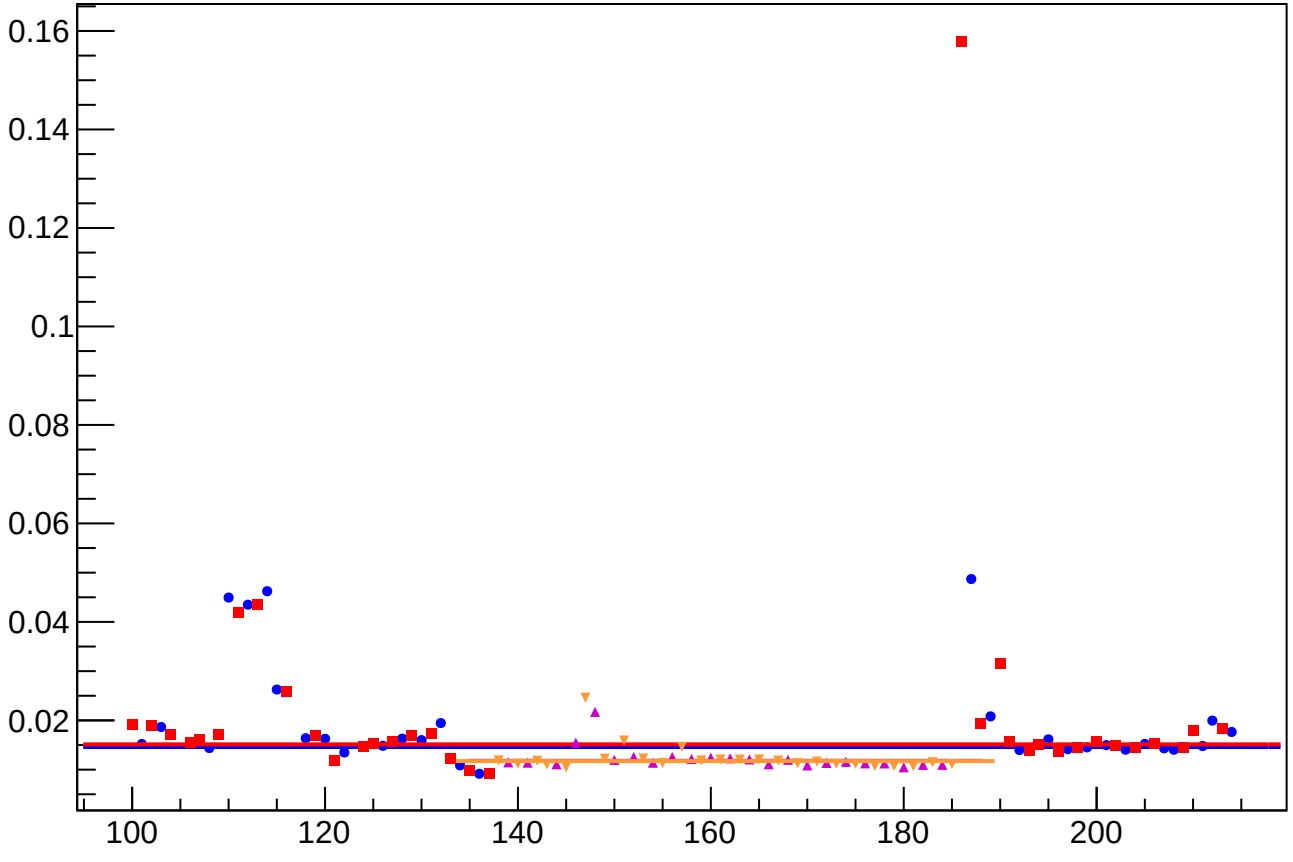
Right: 0.595+/-0.000 χ^2/NDF: 12873777438.1/63

In: 0.549+/-0.000 χ^2/NDF:6141657084.5/52

Out: 0.556+/-0.000 χ^2/NDF:7188763237.2/58

All: 0.553+/-0.000 χ^2/NDF: 13334365056.5/1

yield_bpm4aY_rms vs Slug, Sign Corrected



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

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

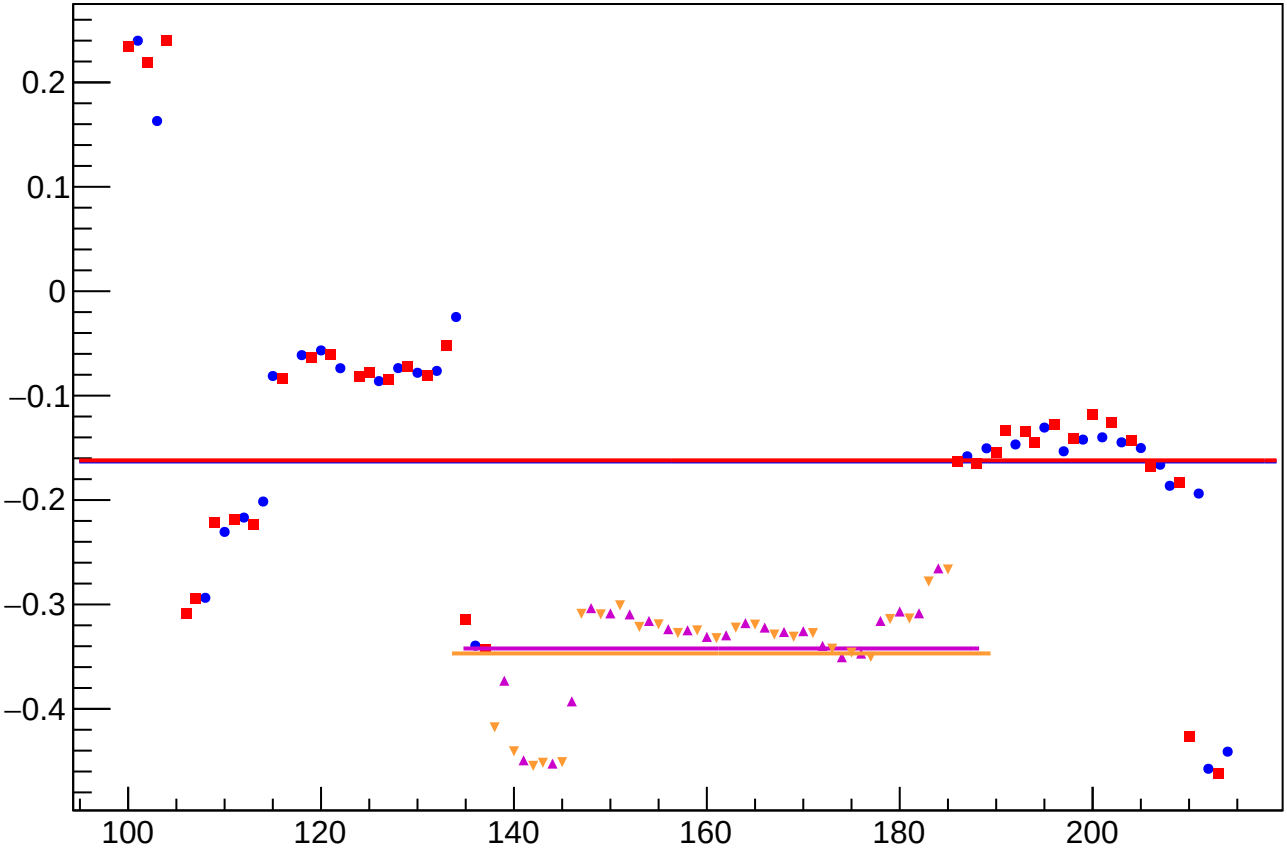
Right: 0.015+/-0.000 χ^2/NDF: 4656663.3/63

In: 0.013+/-0.000 χ^2/NDF:3416665.0/52

Out: 0.013+/-0.000 χ^2/NDF:4285501.1/58

All: 0.013+/-0.000 χ^2/NDF: 7703682.5/111

yield_bpm4eX_mean vs Slug, Sign Corrected



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

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

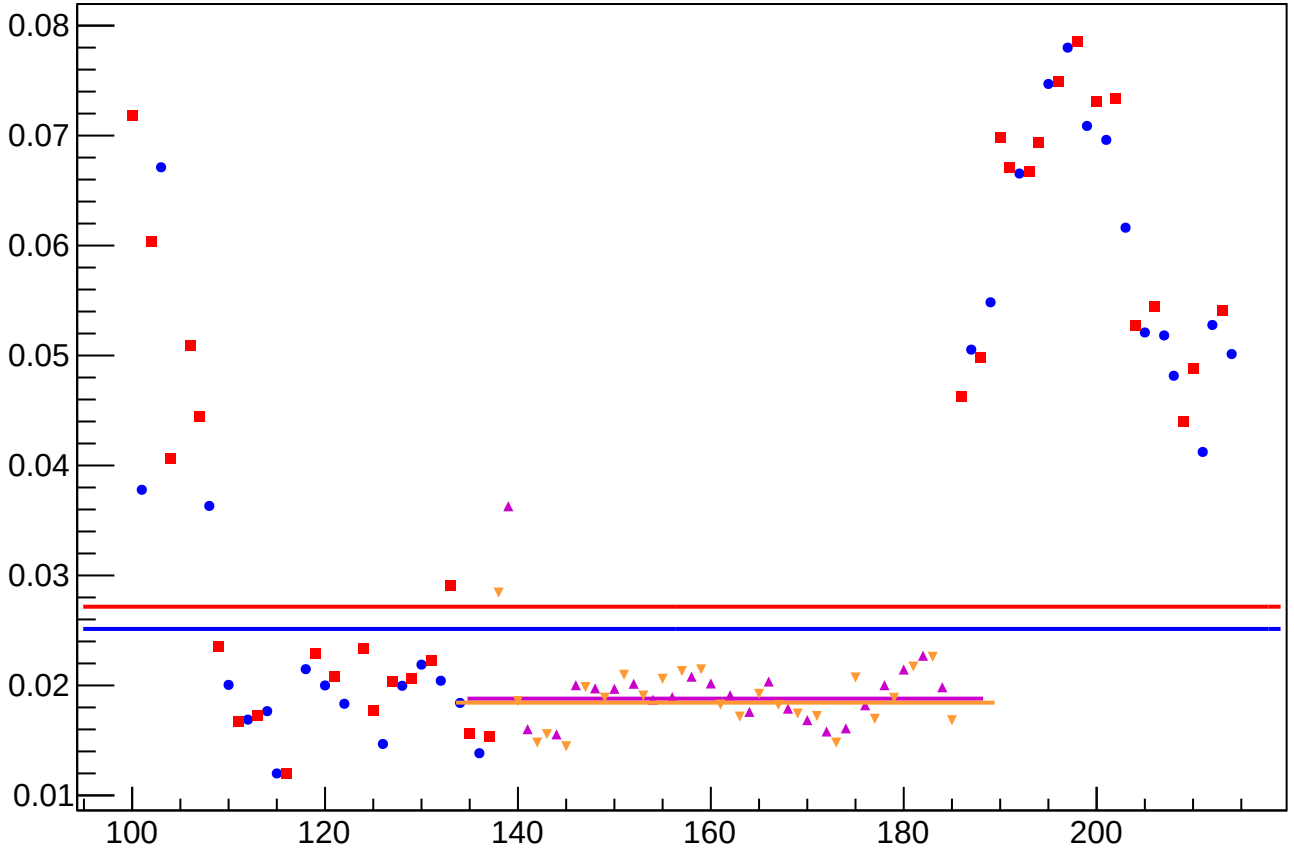
Right: -0.163+/-0.000 χ^2/NDF: 583676162.1/63

In: -0.287+/-0.000 χ^2/NDF:836612920.9/52

Out: -0.298+/-0.000 χ^2/NDF:805170386.6/58

All: -0.293+/-0.000 χ^2/NDF: 1645043585.4/1

yield_bpm4eX_rms vs Slug, Sign Corrected



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

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

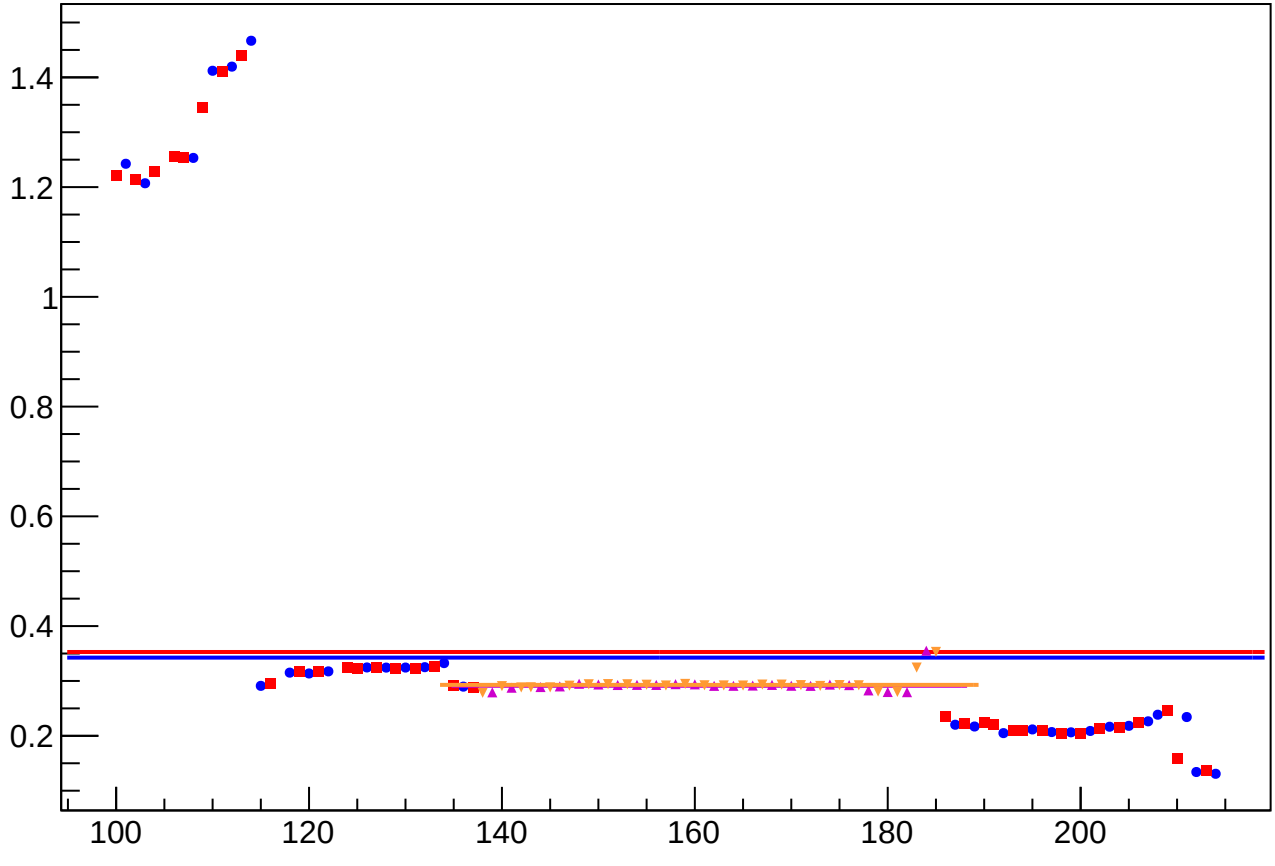
Right: 0.026+/-0.000 χ^2/NDF: 19477348.8/63

In: 0.021+/-0.000 χ^2/NDF:11454427.0/52

Out: 0.021+/-0.000 χ^2/NDF:12252562.3/58

All: 0.021+/-0.000 χ^2/NDF: 23707032.4/111

yield_bpm4eY_mean vs Slug, Sign Corrected



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

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

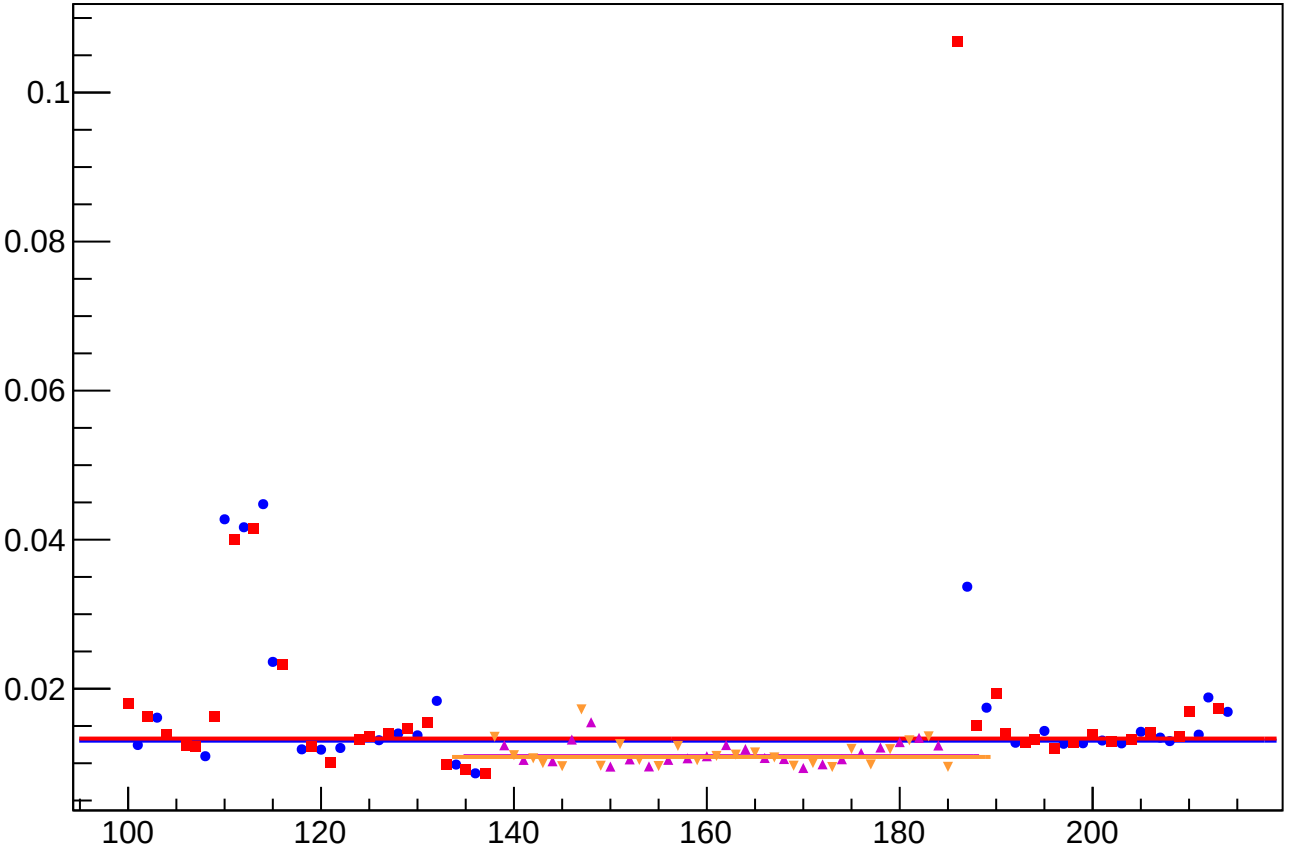
Right: 0.348+/-0.000 χ^2/NDF: 18199603055.9/63

In: 0.312+/-0.000 χ^2/NDF:8798062057.8/52

Out: 0.315+/-0.000 χ^2/NDF:9787780578.5/58

All: 0.314+/-0.000 χ^2/NDF: 18587617507.5/1

yield_bpm4eY_rms vs Slug, Sign Corrected



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

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

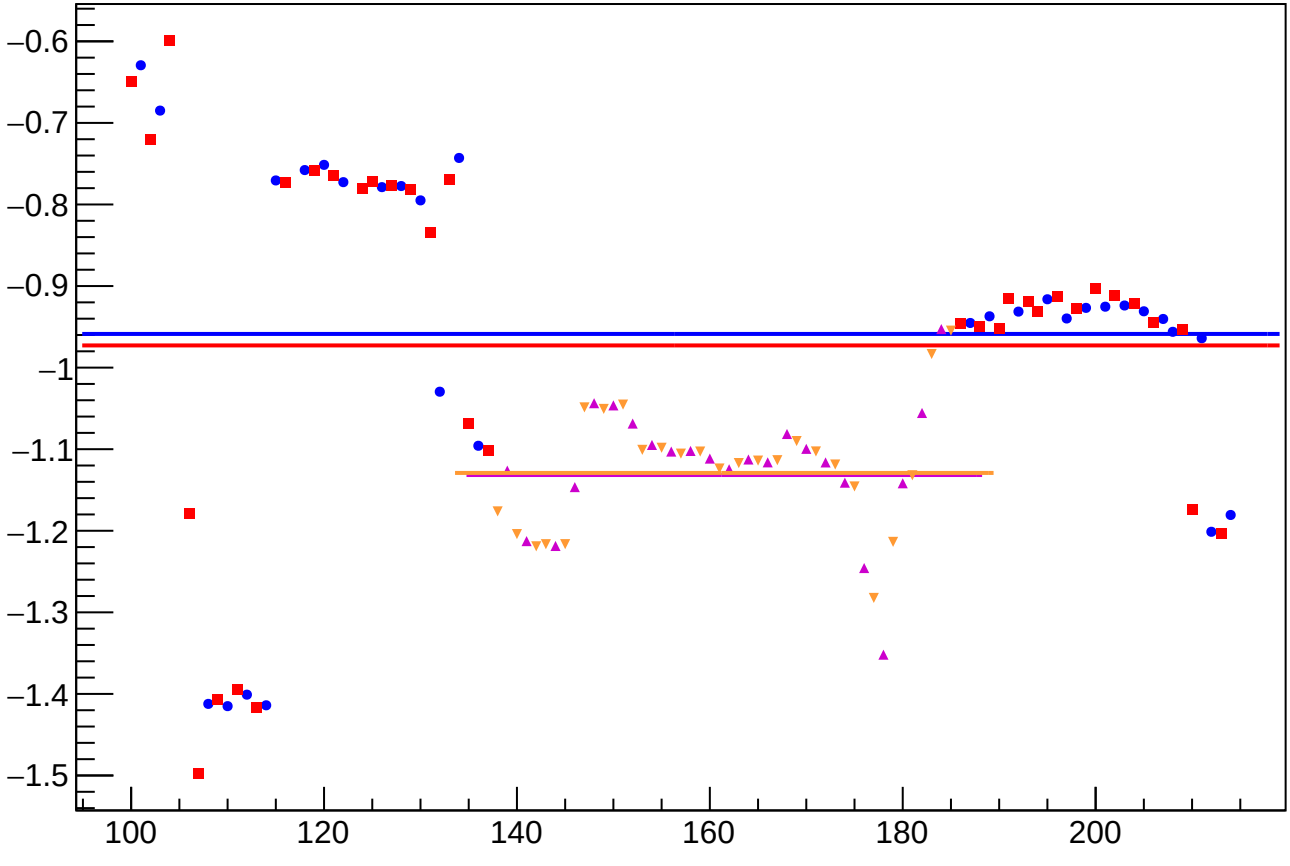
Right: 0.013+/-0.000 χ^2/NDF: 4423882.3/63

In: 0.012+/-0.000 χ^2/NDF:3063989.8/52

Out: 0.012+/-0.000 χ^2/NDF:3731860.0/58

All: 0.012+/-0.000 χ^2/NDF: 6795865.7/111

yield_bpm4acX_mean vs Slug, Sign Corrected



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

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

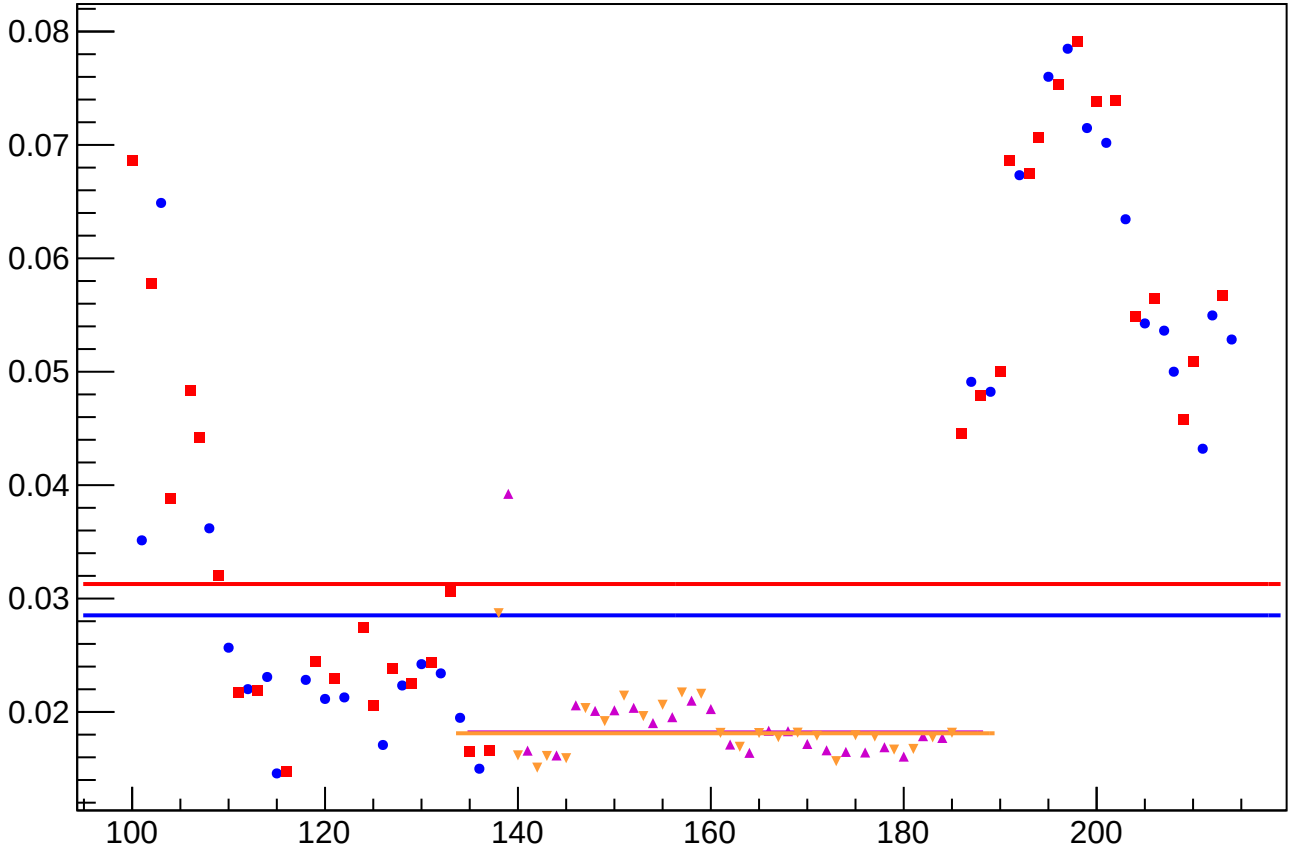
Right: -0.965+/-0.000 χ^2/NDF: 1479850293.7/63

In: -1.087+/-0.000 χ^2/NDF:1333336809.2/52

Out: -1.094+/-0.000 χ^2/NDF:1244305354.3/58

All: -1.091+/-0.000 χ^2/NDF: 2579112331.6/1

yield_bpm4acX_rms vs Slug, Sign Corrected



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

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

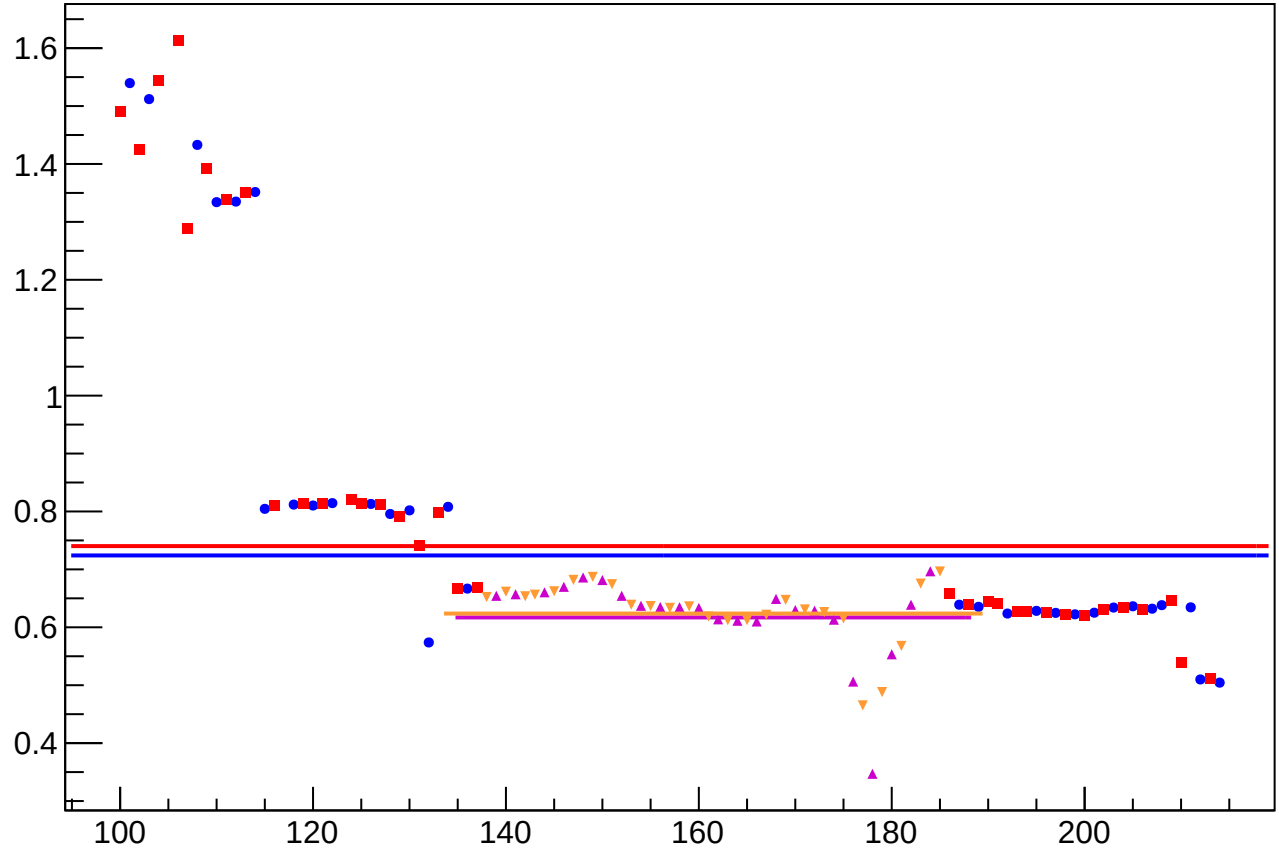
Right: 0.030+/-0.000 χ^2/NDF: 16477476.4/63

In: 0.021+/-0.000 χ^2/NDF:11550617.5/52

Out: 0.021+/-0.000 χ^2/NDF:12127282.7/58

All: 0.021+/-0.000 χ^2/NDF: 23680511.4/111

yield_bpm4acY_mean vs Slug, Sign Corrected



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

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

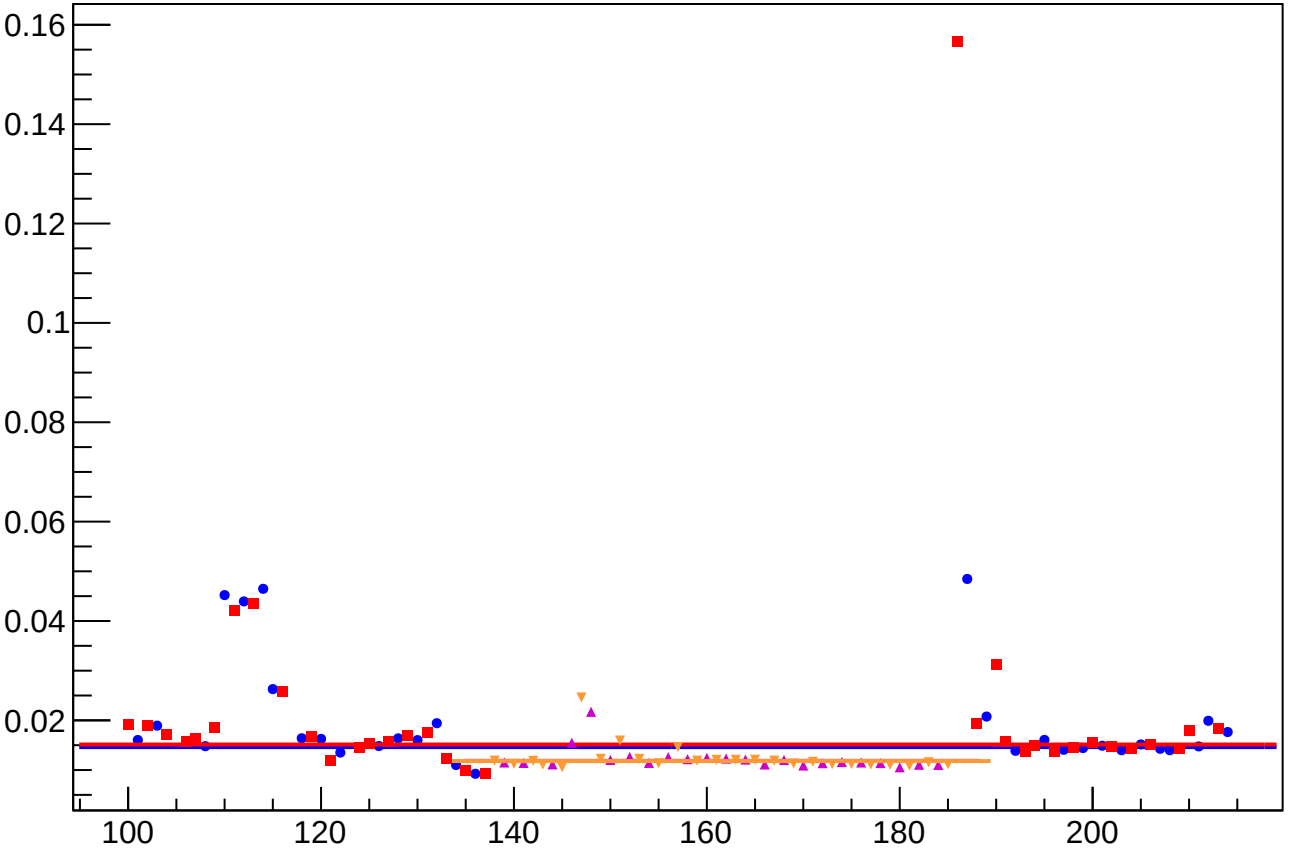
Right: 0.732+/-0.000 χ^2/NDF: 8631633103.7/63

In: 0.658+/-0.000 χ^2/NDF:5329222962.8/52

Out: 0.665+/-0.000 χ^2/NDF:5522333898.4/58

All: 0.661+/-0.000 χ^2/NDF: 10857435438.4/1

yield_bpm4acY_rms vs Slug, Sign Corrected



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

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

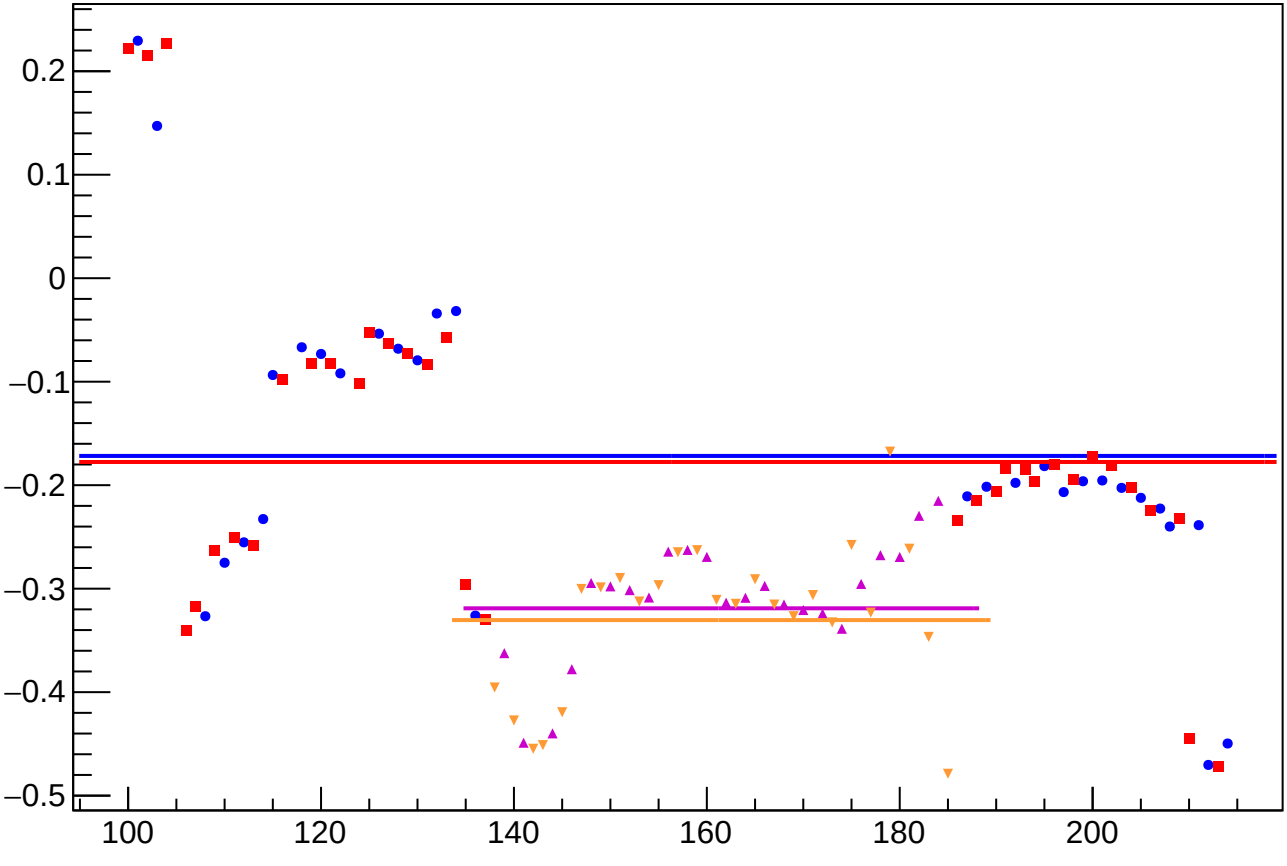
Right: 0.015+/-0.000 χ^2/NDF: 4638574.1/63

In: 0.013+/-0.000 χ^2/NDF:3366276.3/52

Out: 0.013+/-0.000 χ^2/NDF:4211868.3/58

All: 0.013+/-0.000 χ^2/NDF: 7579958.3/111

yield_bpm4ecX_mean vs Slug, Sign Corrected



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

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

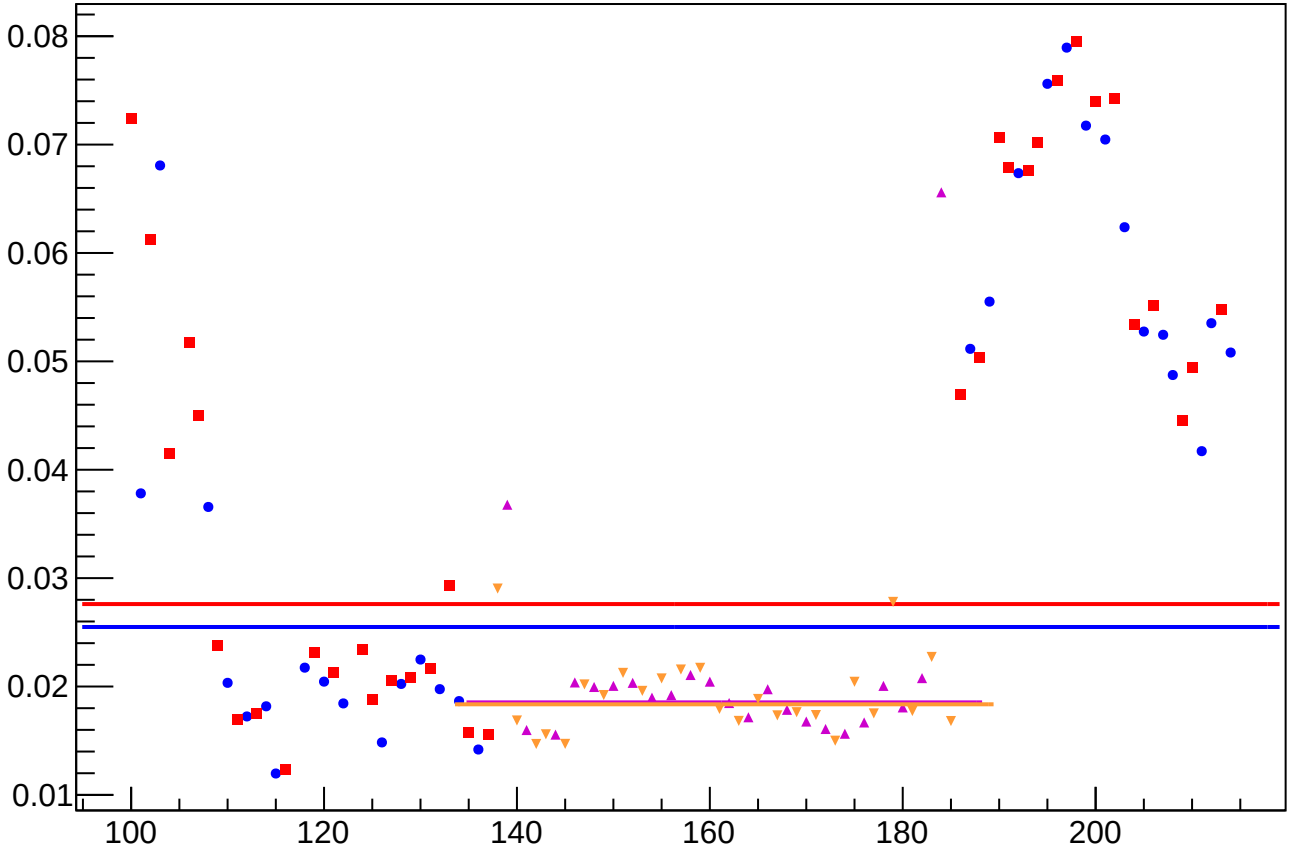
Right: -0.175+/-0.000 χ^2/NDF: 588461934.9/63

In: -0.275+/-0.000 χ^2/NDF:743278225.4/52

Out: -0.290+/-0.000 χ^2/NDF:717851854.3/58

All: -0.282+/-0.000 χ^2/NDF: 1468214848.3/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



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

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

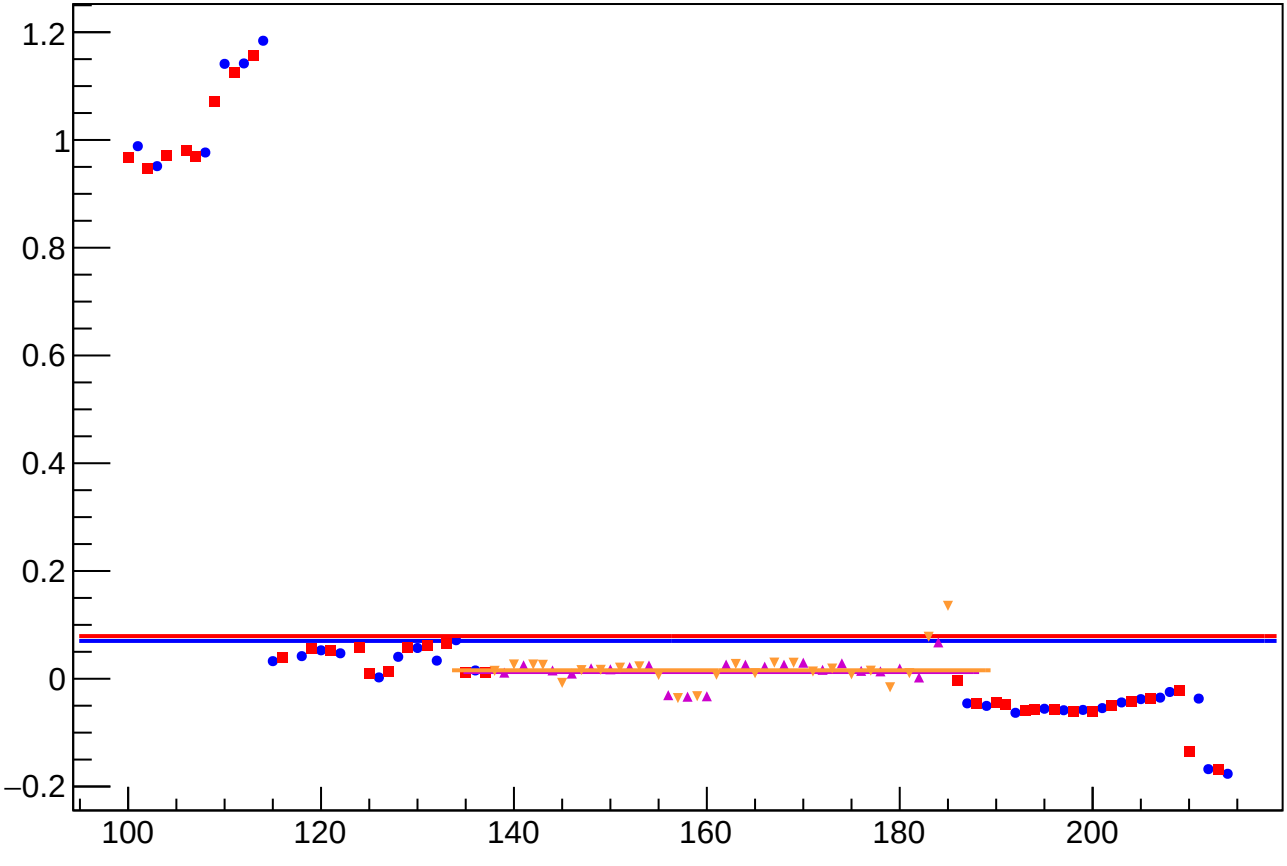
Right: 0.026+/-0.000 χ^2/NDF: 19381660.8/63

In: 0.021+/-0.000 χ^2/NDF:11818031.4/52

Out: 0.021+/-0.000 χ^2/NDF:12464991.5/58

All: 0.021+/-0.000 χ^2/NDF: 24285039.8/111

yield_bpm4ecY_mean vs Slug, Sign Corrected



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

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

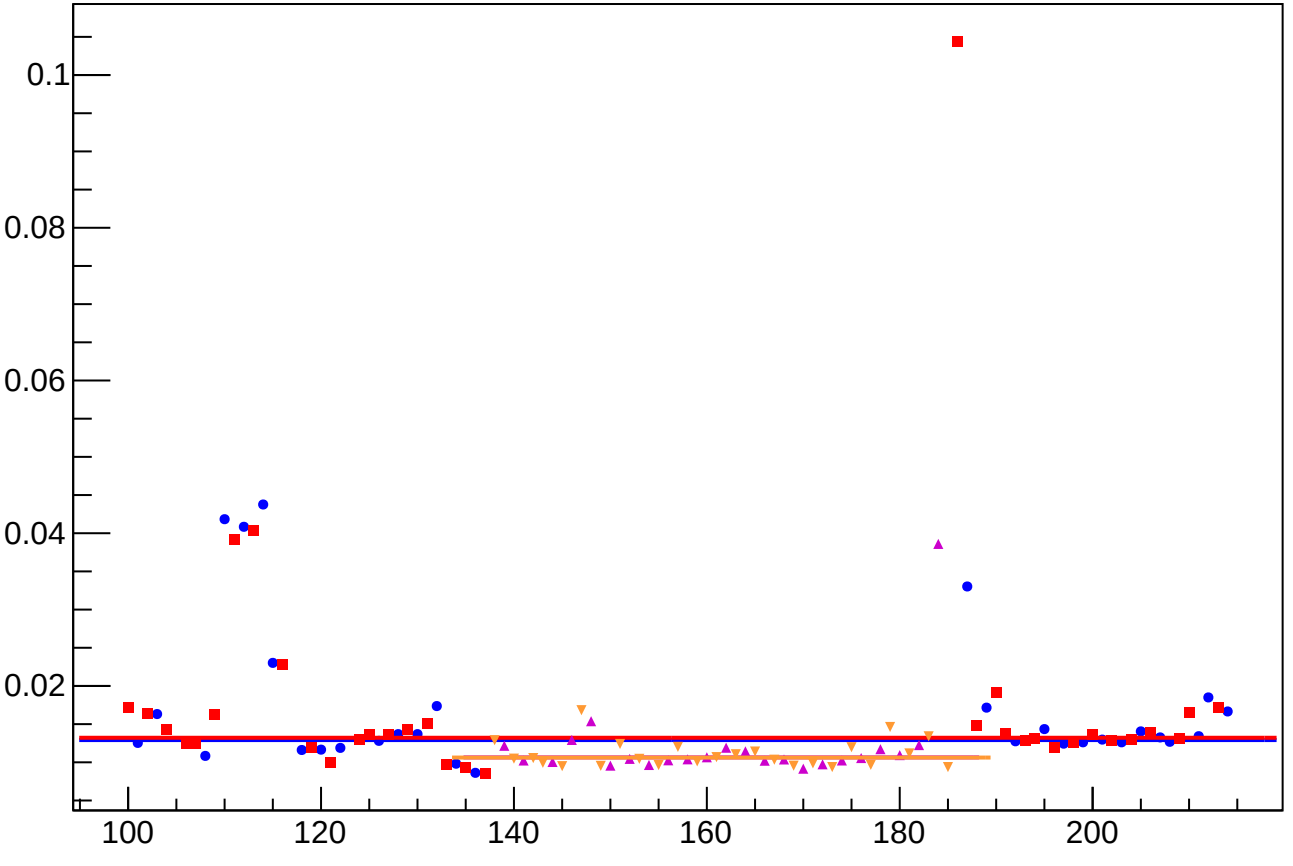
Right: 0.075+/-0.000 χ^2/NDF: 18291268090.5/63

In: 0.035+/-0.000 χ^2/NDF:9032601445.2/52

Out: 0.040+/-0.000 χ^2/NDF:9856228496.7/58

All: 0.038+/-0.000 χ^2/NDF: 18891282407.2/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



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

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

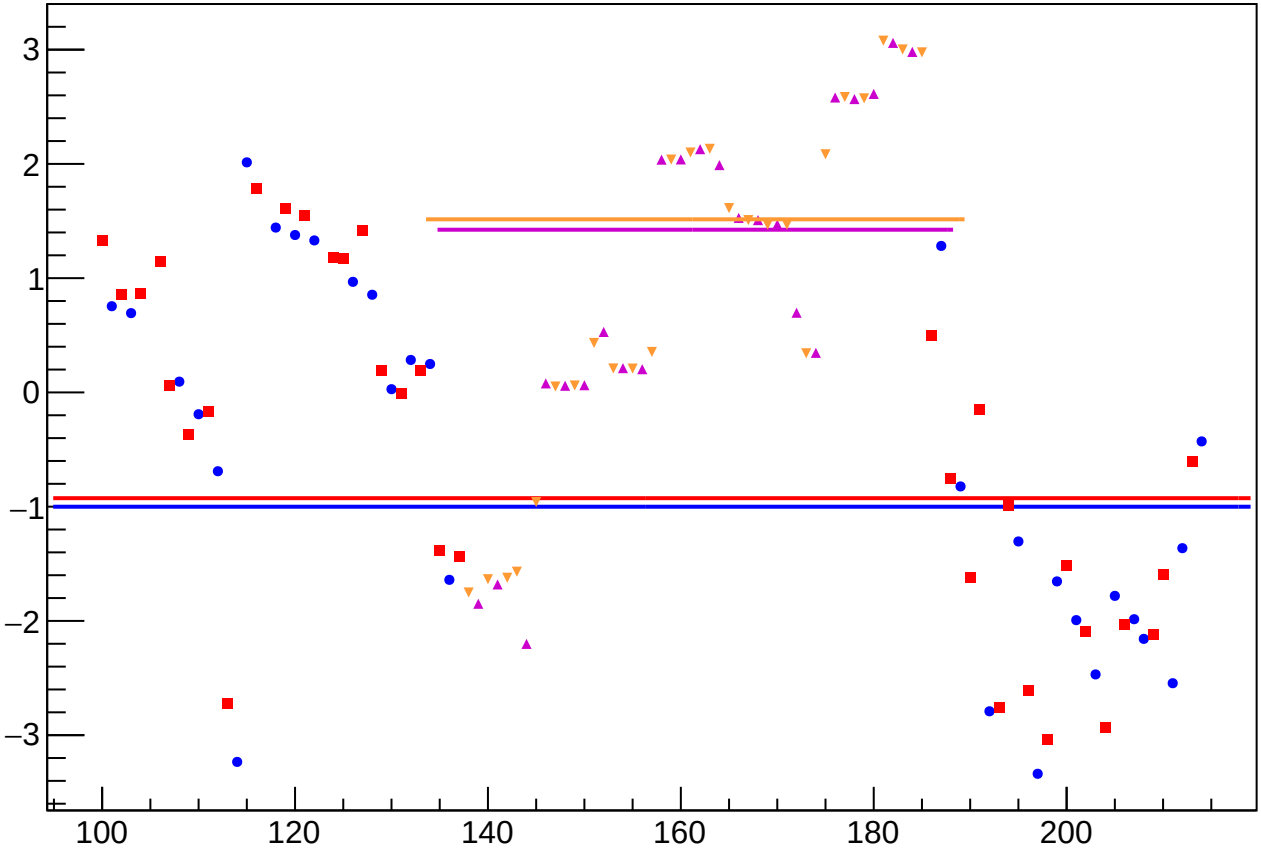
Right: 0.013+/-0.000 χ^2/NDF: 4300992.1/63

In: 0.012+/-0.000 χ^2/NDF:3186710.1/52

Out: 0.012+/-0.000 χ^2/NDF:3713544.6/58

All: 0.012+/-0.000 χ^2/NDF: 6901259.9/111

yield_bpm1X_mean vs Slug, Sign Corrected



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

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

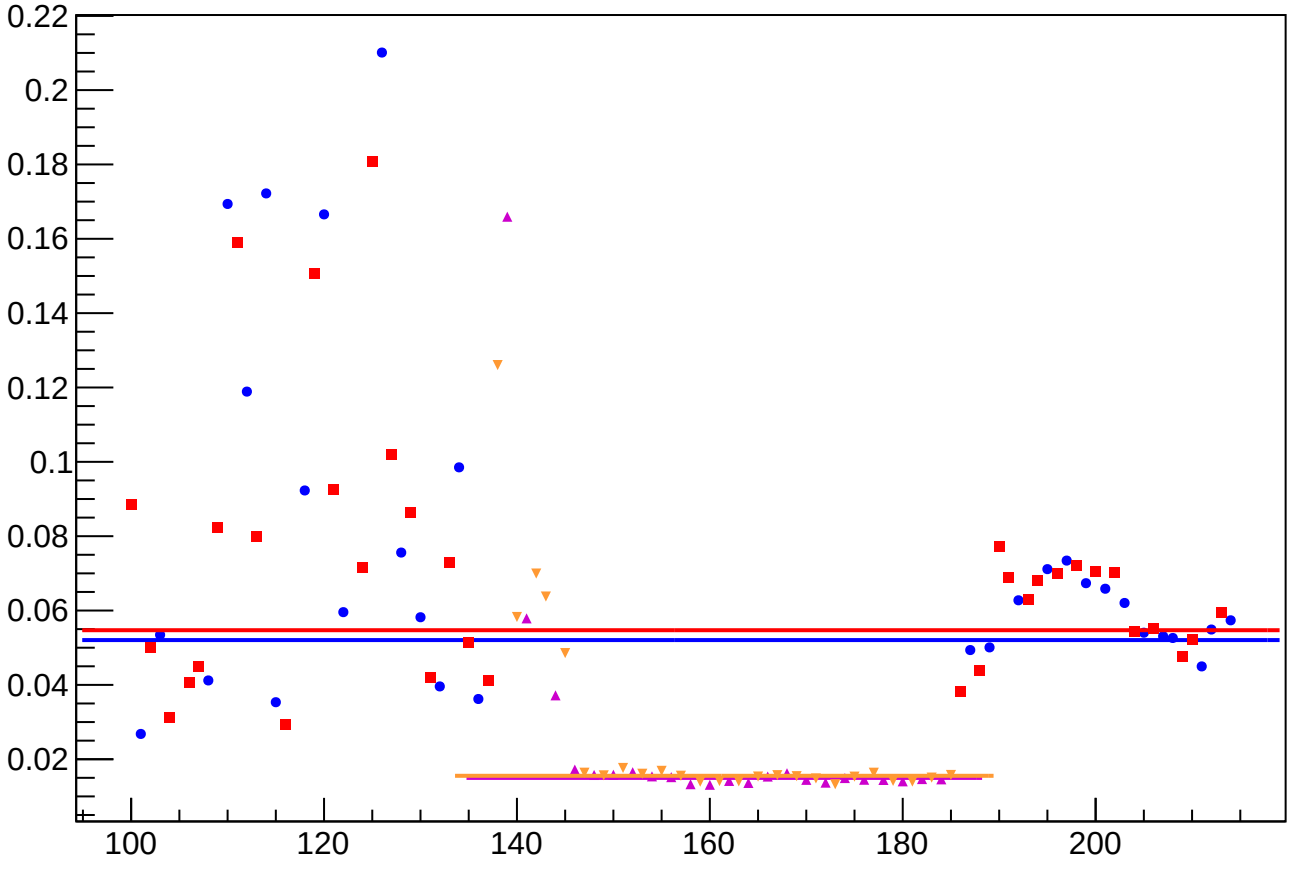
Right: -0.964+/-0.000 χ^2/NDF: 19350155320.0/63

In: 1.239+/-0.000 χ^2/NDF:105533488820.9/52

Out: 1.330+/-0.000 χ^2/NDF:104829615250.0/58

All: 1.284+/-0.000 χ^2/NDF: 210636570776.9

yield_bpm1X_rms vs Slug, Sign Corrected



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

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

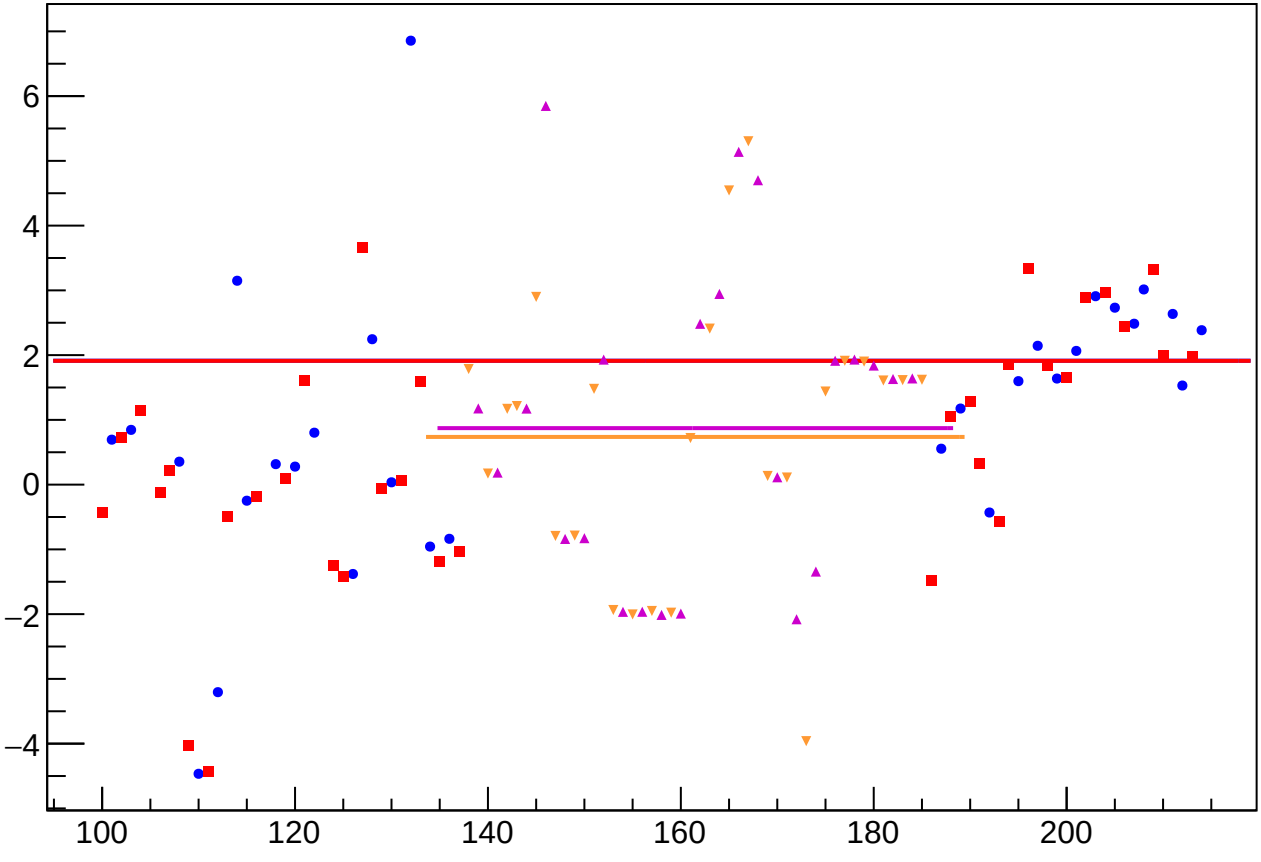
Right: 0.053+/-0.000 χ^2/NDF: 6842018.7/63

In: 0.018+/-0.000 χ^2/NDF:18803757.6/52

Out: 0.019+/-0.000 χ^2/NDF:20275446.3/58

All: 0.018+/-0.000 χ^2/NDF: 39113074.6/111

yield_bpm1Y_mean vs Slug, Sign Corrected



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

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

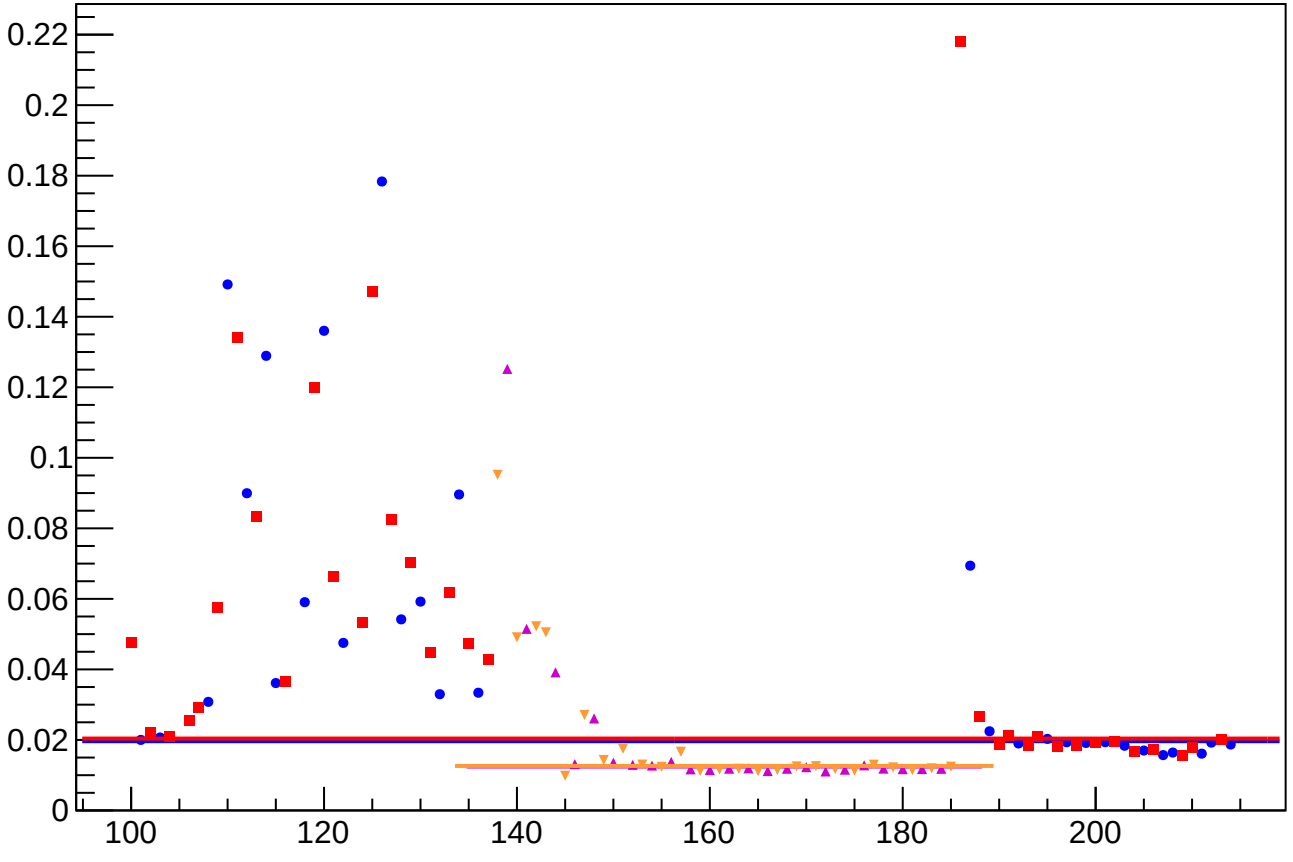
Right: 1.913+/-0.000 χ^2/NDF: 85569552845.6/63

In: 1.131+/-0.000 χ^2/NDF:687836875704.2/52

Out: 1.020+/-0.000 χ^2/NDF:613642709232.2/58

All: 1.076+/-0.000 χ^2/NDF: 1302281196623.

yield_bpm1Y_rms vs Slug, Sign Corrected



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

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

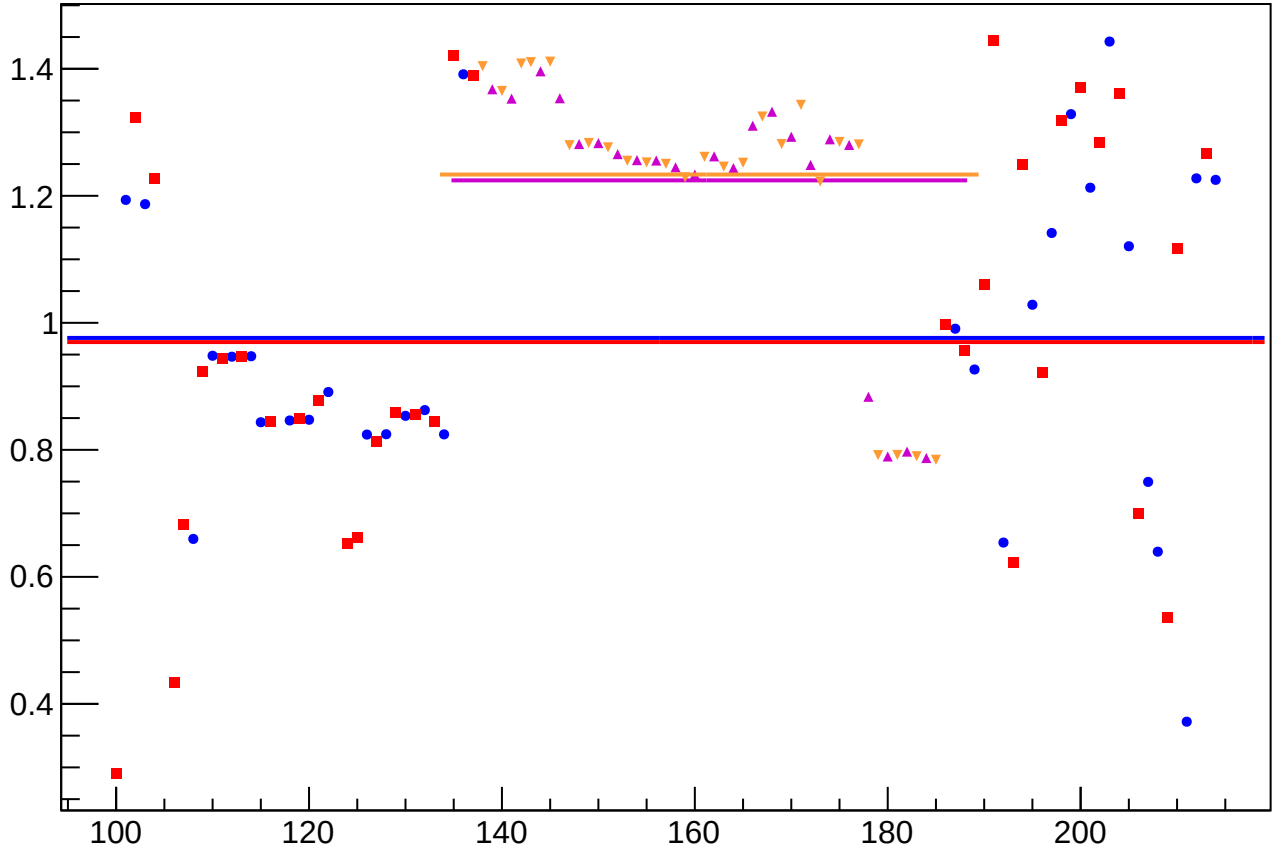
Right: 0.020+/-0.000 χ^2/NDF: 10019216.9/63

In: 0.014+/-0.000 χ^2/NDF:9772500.0/52

Out: 0.014+/-0.000 χ^2/NDF:11607379.2/58

All: 0.014+/-0.000 χ^2/NDF: 21388596.6/111

yield_bpm11X_mean vs Slug, Sign Corrected



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

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

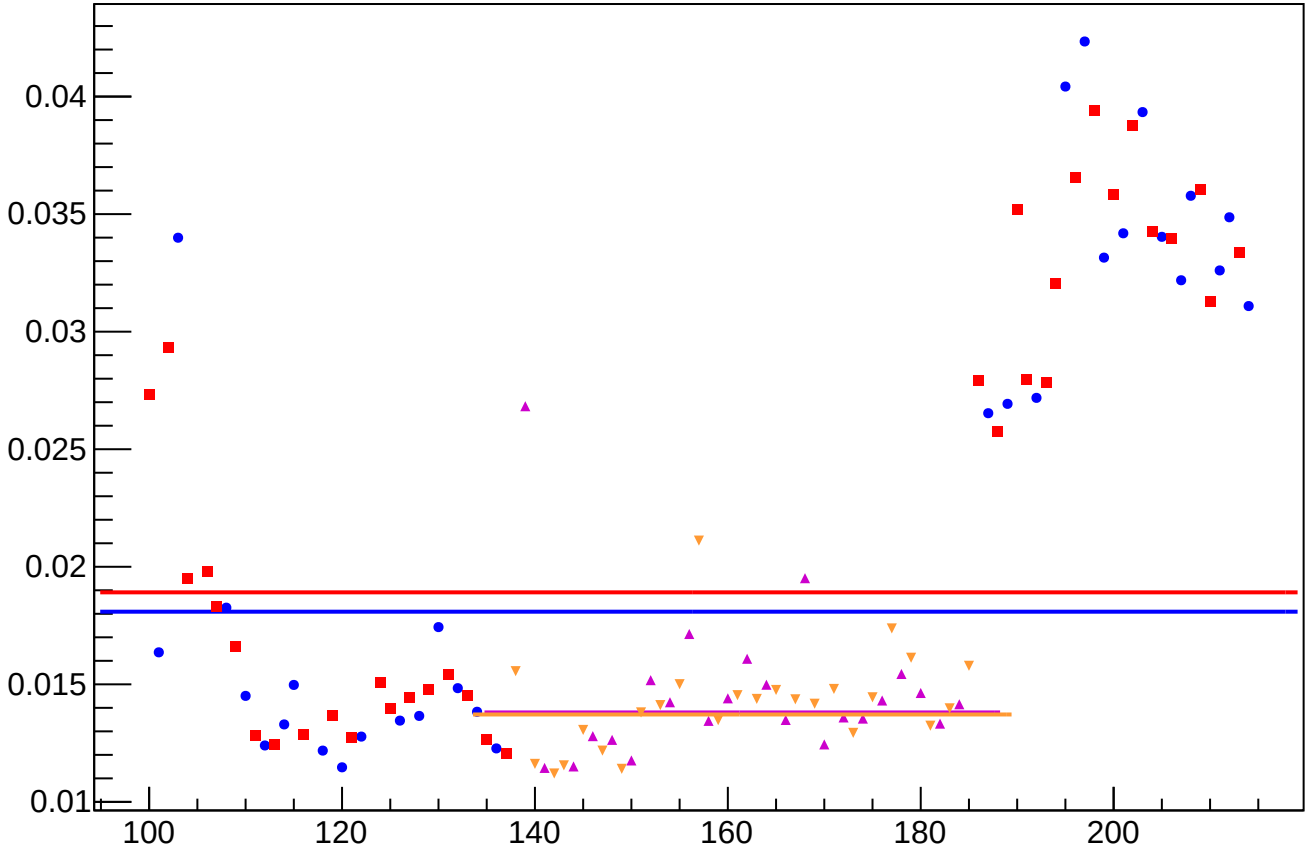
Right: 0.973+/-0.000 χ^2/NDF: 4793158483.3/63

In: 1.143+/-0.000 χ^2/NDF:6651413875.4/52

Out: 1.152+/-0.000 χ^2/NDF:7506836964.2/58

All: 1.147+/-0.000 χ^2/NDF: 14163065834.7/1

yield_bpm11X_rms vs Slug, Sign Corrected



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

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

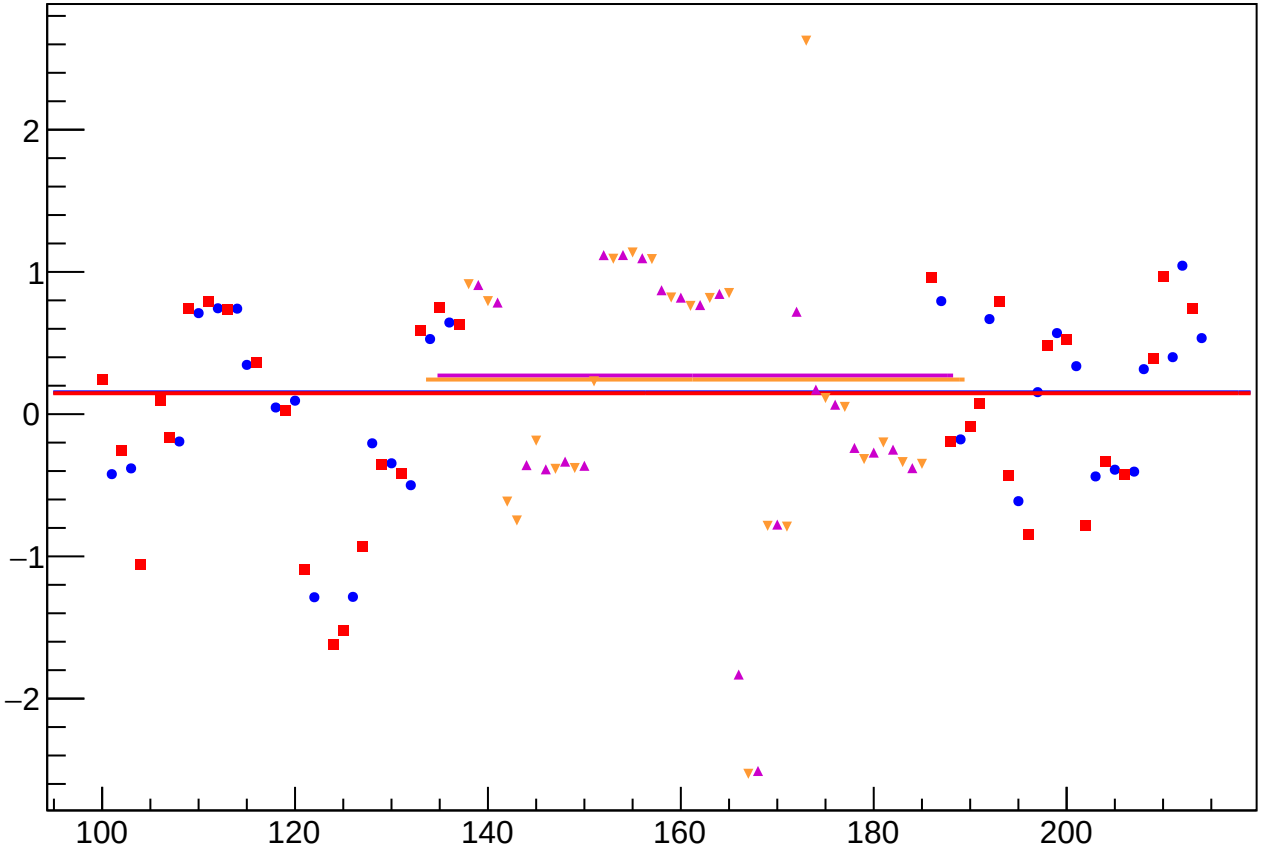
Right: 0.018+/-0.000 χ^2/NDF: 11902998.7/63

In: 0.015+/-0.000 χ^2/NDF:8069650.1/52

Out: 0.015+/-0.000 χ^2/NDF:7763688.9/58

All: 0.015+/-0.000 χ^2/NDF: 15835225.2/111

yield_bpm11Y_mean vs Slug, Sign Corrected



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

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

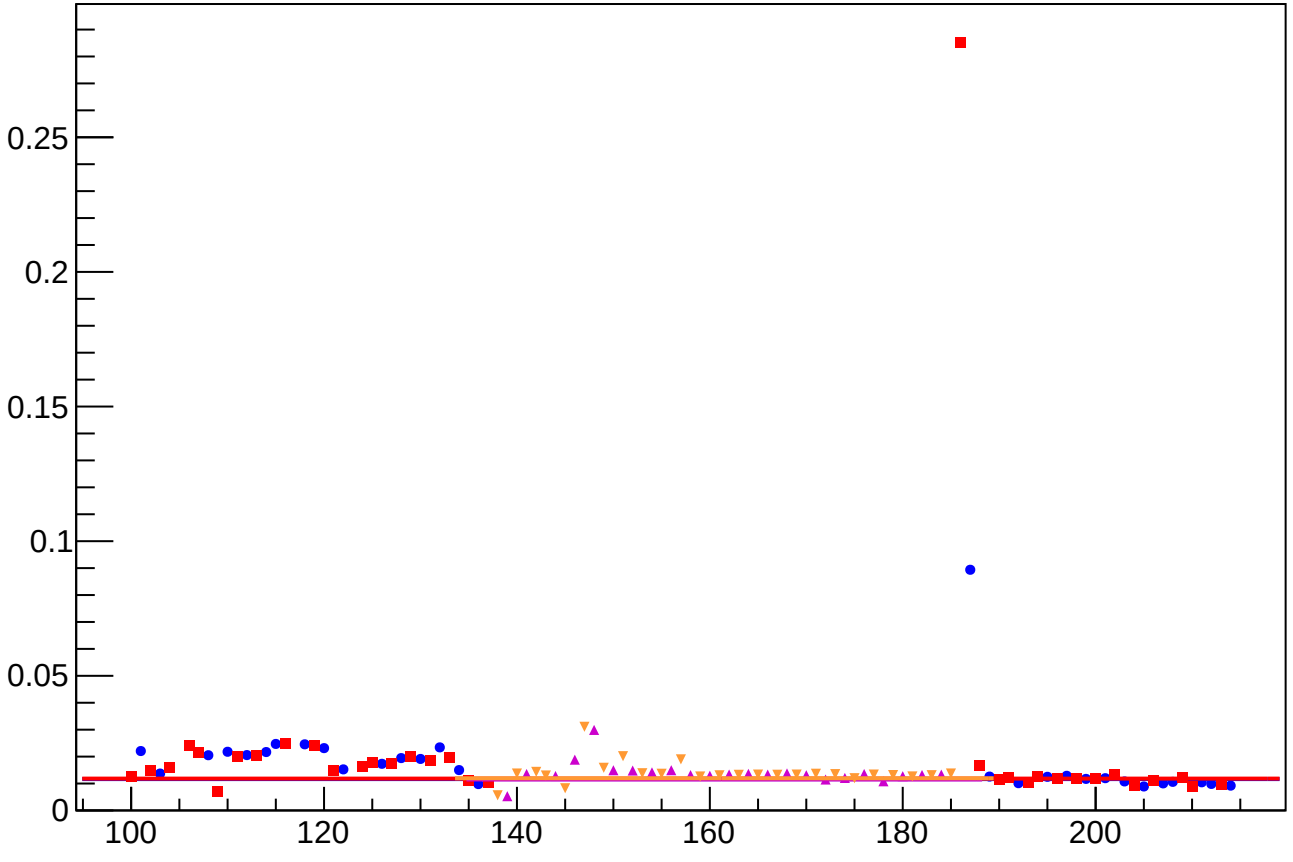
Right: 0.150+/-0.000 χ^2/NDF: 82535749115.8/63

In: 0.214+/-0.000 χ^2/NDF:125559698012.9/52

Out: 0.197+/-0.000 χ^2/NDF:154388689405.4/58

All: 0.206+/-0.000 χ^2/NDF: 279982347315.3

yield_bpm11Y_rms vs Slug, Sign Corrected



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

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

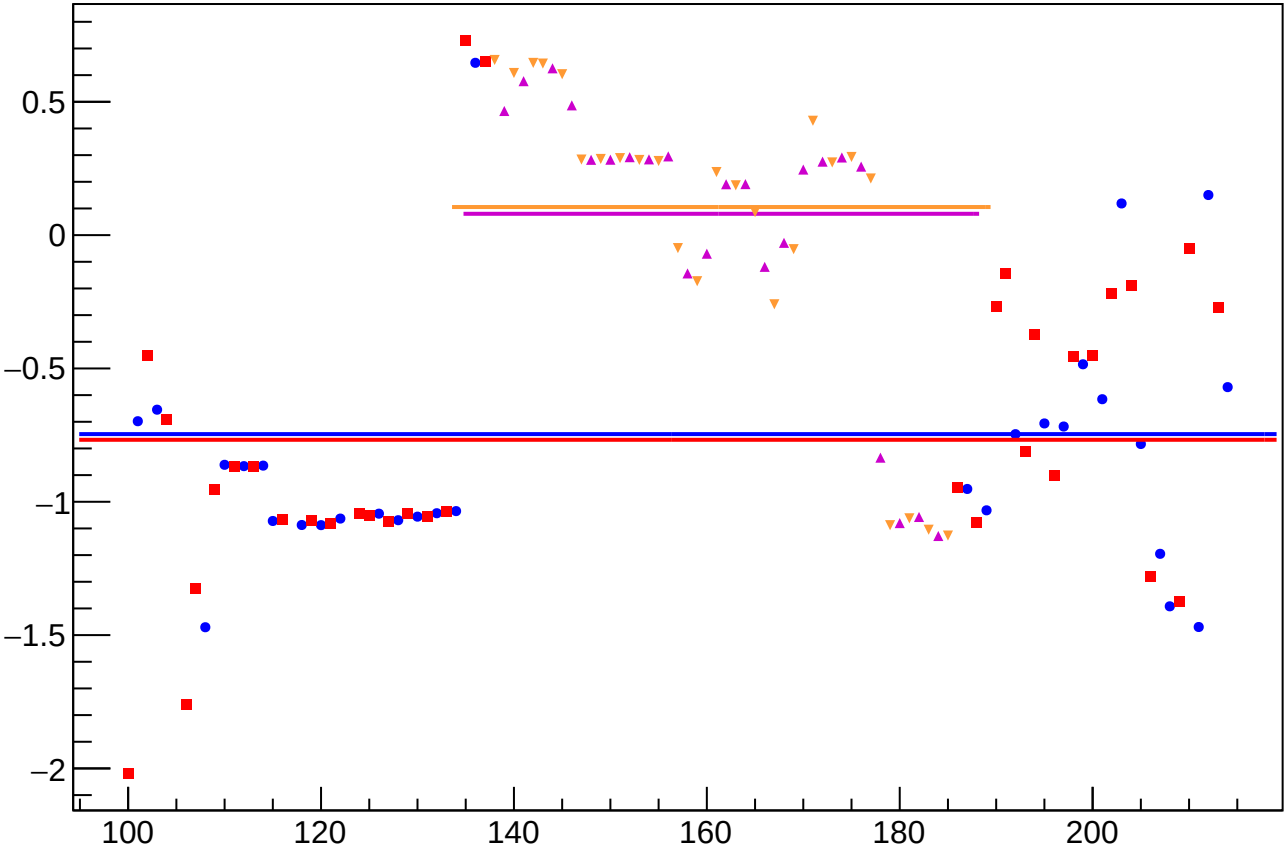
Right: 0.012+/-0.000 χ^2/NDF: 5996617.7/63

In: 0.012+/-0.000 χ^2/NDF:6430847.2/52

Out: 0.012+/-0.000 χ^2/NDF:6503972.9/58

All: 0.012+/-0.000 χ^2/NDF: 12958891.3/111

yield_bpm12X_mean vs Slug, Sign Corrected



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

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

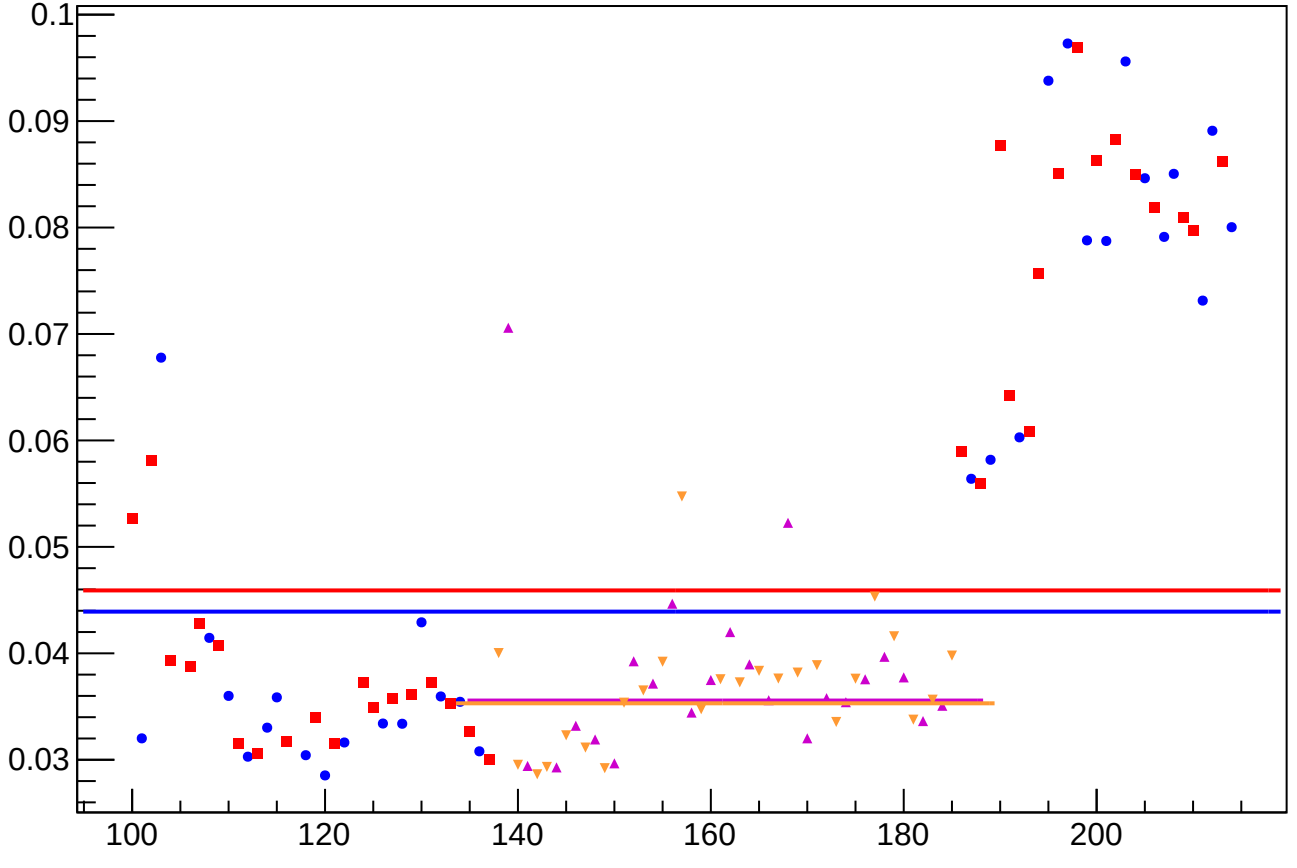
Right: -0.757+/-0.000 χ^2/NDF: 4638714954.3/63

In: -0.220+/-0.000 χ^2/NDF:8823336351.2/52

Out: -0.194+/-0.000 χ^2/NDF:9556104310.1/58

All: -0.207+/-0.000 χ^2/NDF: 18386446426.3/

yield_bpm12X_rms vs Slug, Sign Corrected



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

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

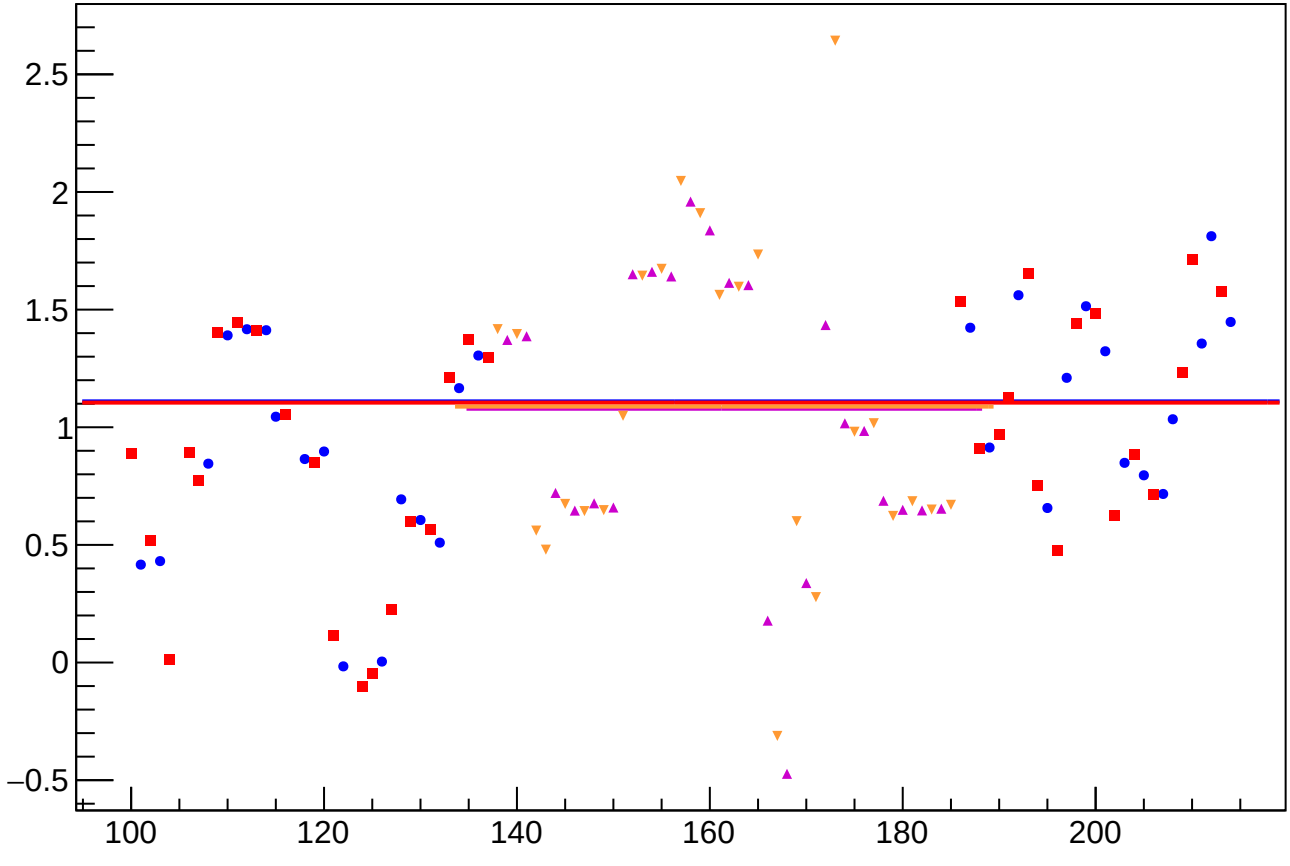
Right: 0.045+/-0.000 χ^2/NDF: 11164640.5/63

In: 0.039+/-0.000 χ^2/NDF:7498492.1/52

Out: 0.039+/-0.000 χ^2/NDF:6897899.3/58

All: 0.039+/-0.000 χ^2/NDF: 14398758.3/111

yield_bpm12Y_mean vs Slug, Sign Corrected



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

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

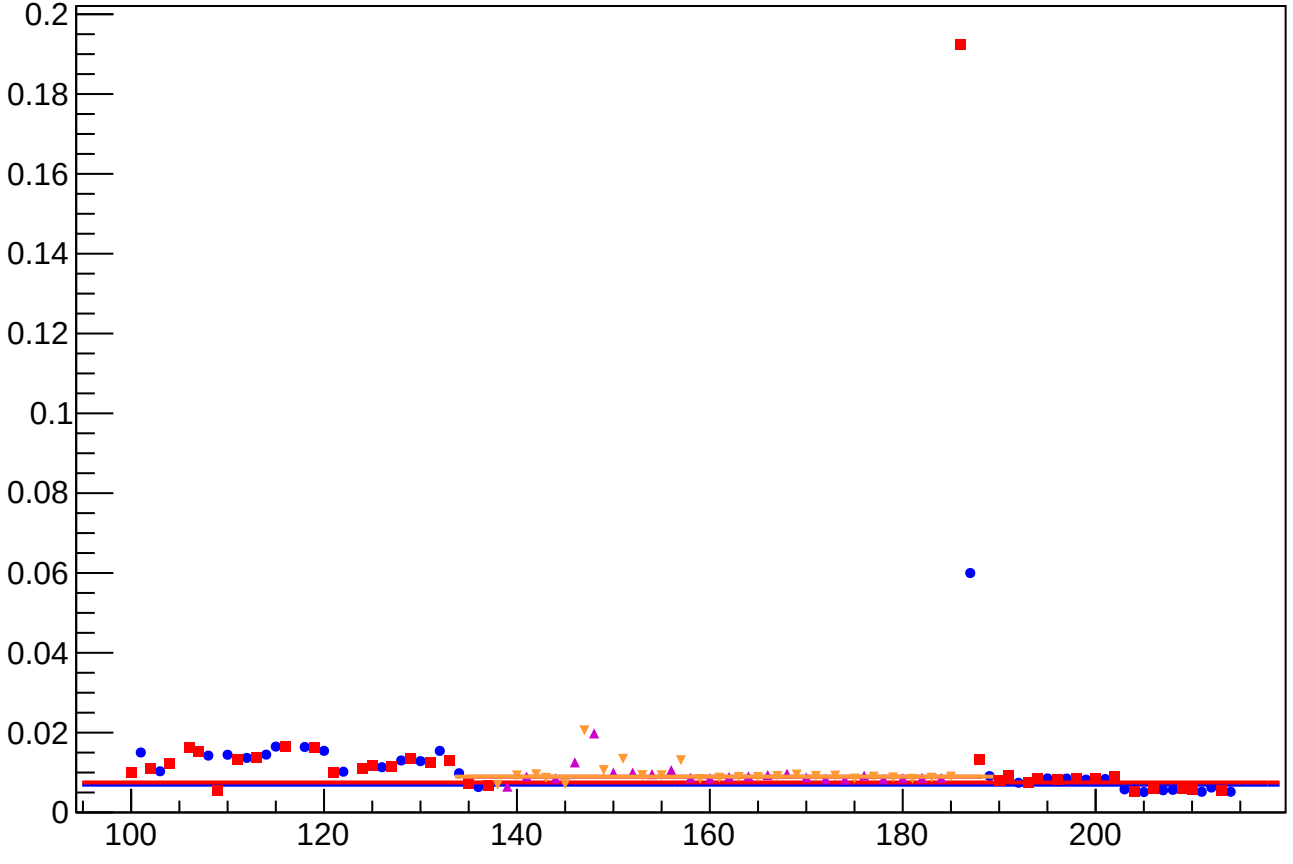
Right: 1.108+/-0.000 χ^2/NDF: 105057451348.8/63

In: 1.097+/-0.000 χ^2/NDF:122314975271.4/52

Out: 1.097+/-0.000 χ^2/NDF:150829881592.4/58

All: 1.097+/-0.000 χ^2/NDF: 273144883314.0

yield_bpm12Y_rms vs Slug, Sign Corrected



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

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

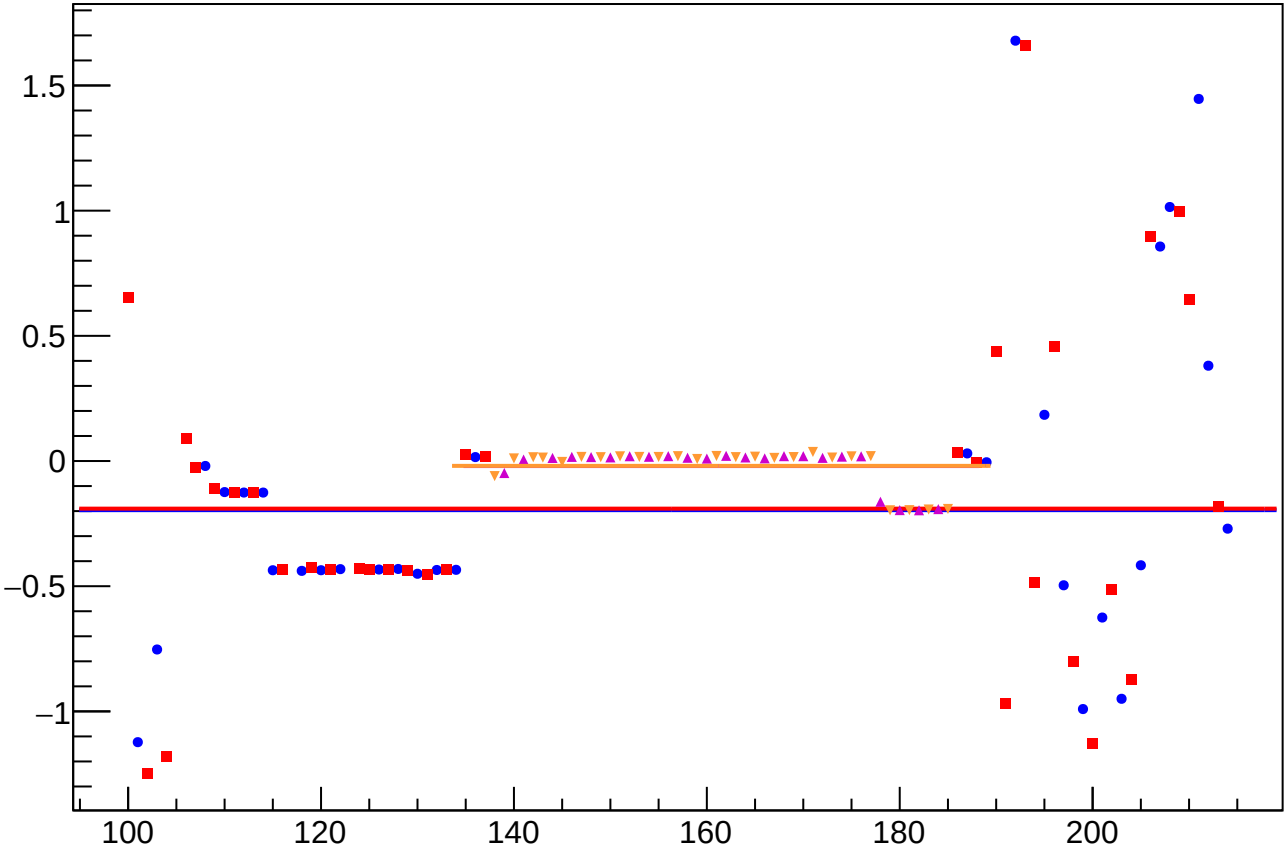
Right: 0.007+/-0.000 χ^2/NDF: 8237178.9/63

In: 0.008+/-0.000 χ^2/NDF:5972236.1/52

Out: 0.008+/-0.000 χ^2/NDF:5806504.9/58

All: 0.008+/-0.000 χ^2/NDF: 11863011.3/111

yield_bpm16X_mean vs Slug, Sign Corrected



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

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

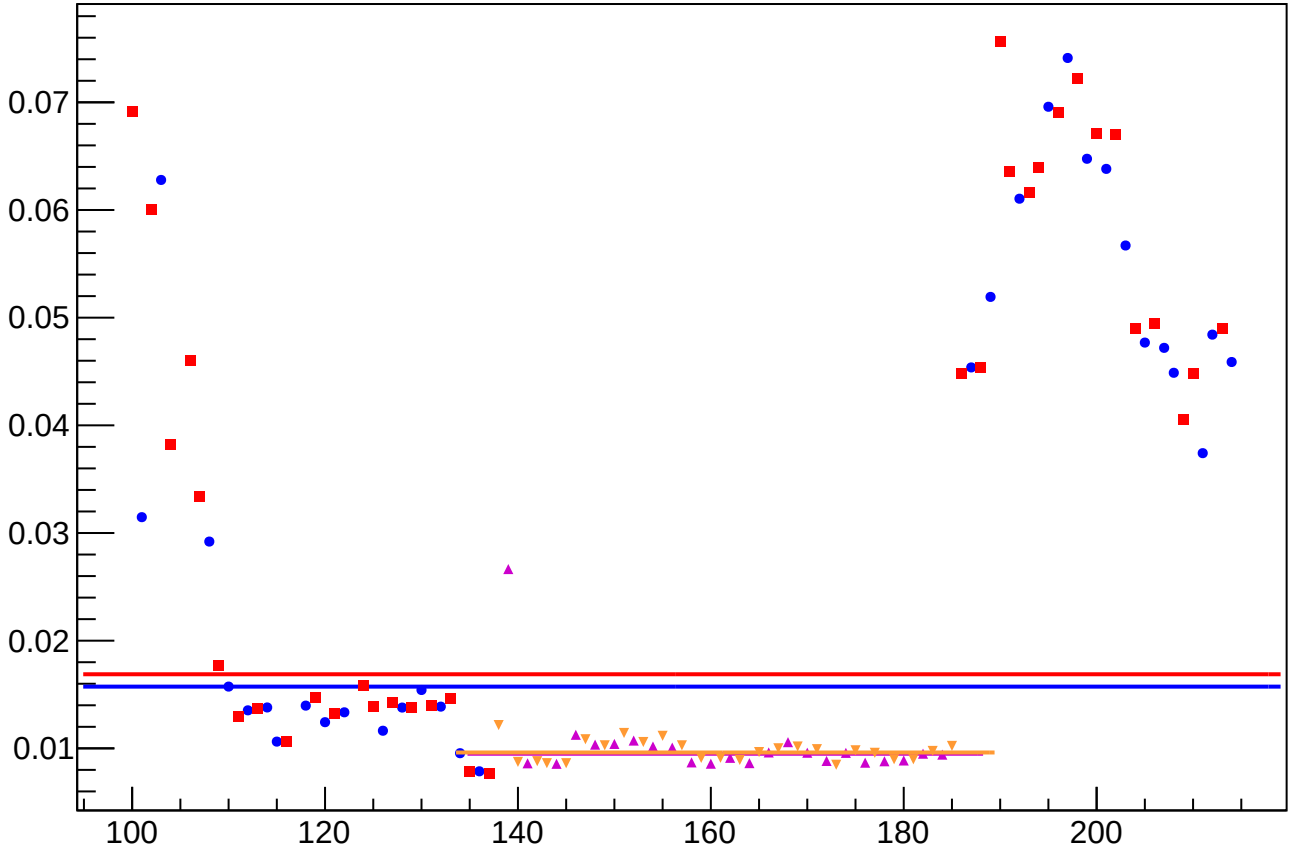
Right: -0.193+/-0.000 χ^2/NDF: 10592345220.2/63

In: -0.053+/-0.000 χ^2/NDF:8021585235.7/52

Out: -0.048+/-0.000 χ^2/NDF:6470555018.5/58

All: -0.051+/-0.000 χ^2/NDF: 14495400202.1/

yield_bpm16X_rms vs Slug, Sign Corrected



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

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

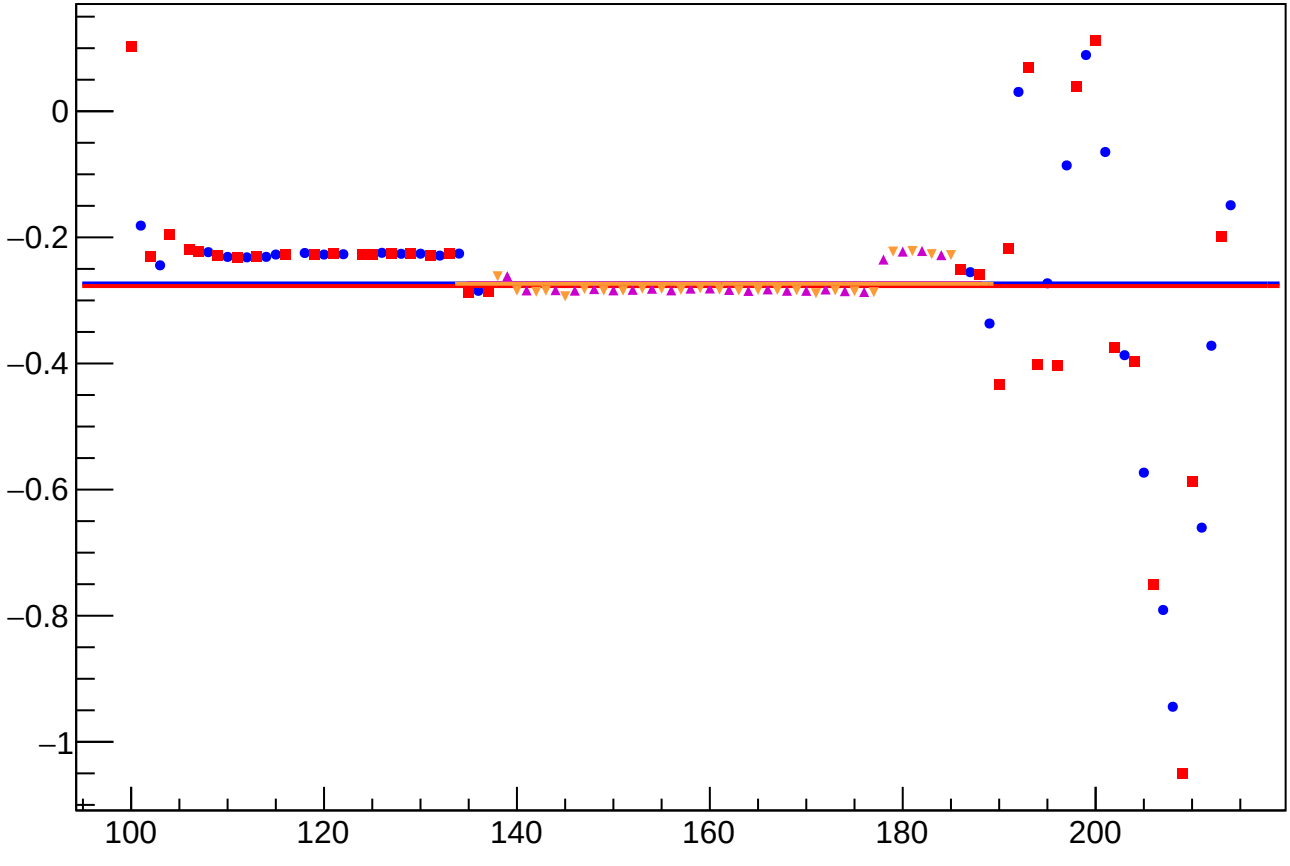
Right: 0.016+/-0.000 χ^2/NDF: 27607400.6/63

In: 0.011+/-0.000 χ^2/NDF:16927957.7/52

Out: 0.011+/-0.000 χ^2/NDF:17418229.5/58

All: 0.011+/-0.000 χ^2/NDF: 34351006.0/111

yield_bpm16Y_mean vs Slug, Sign Corrected



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

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

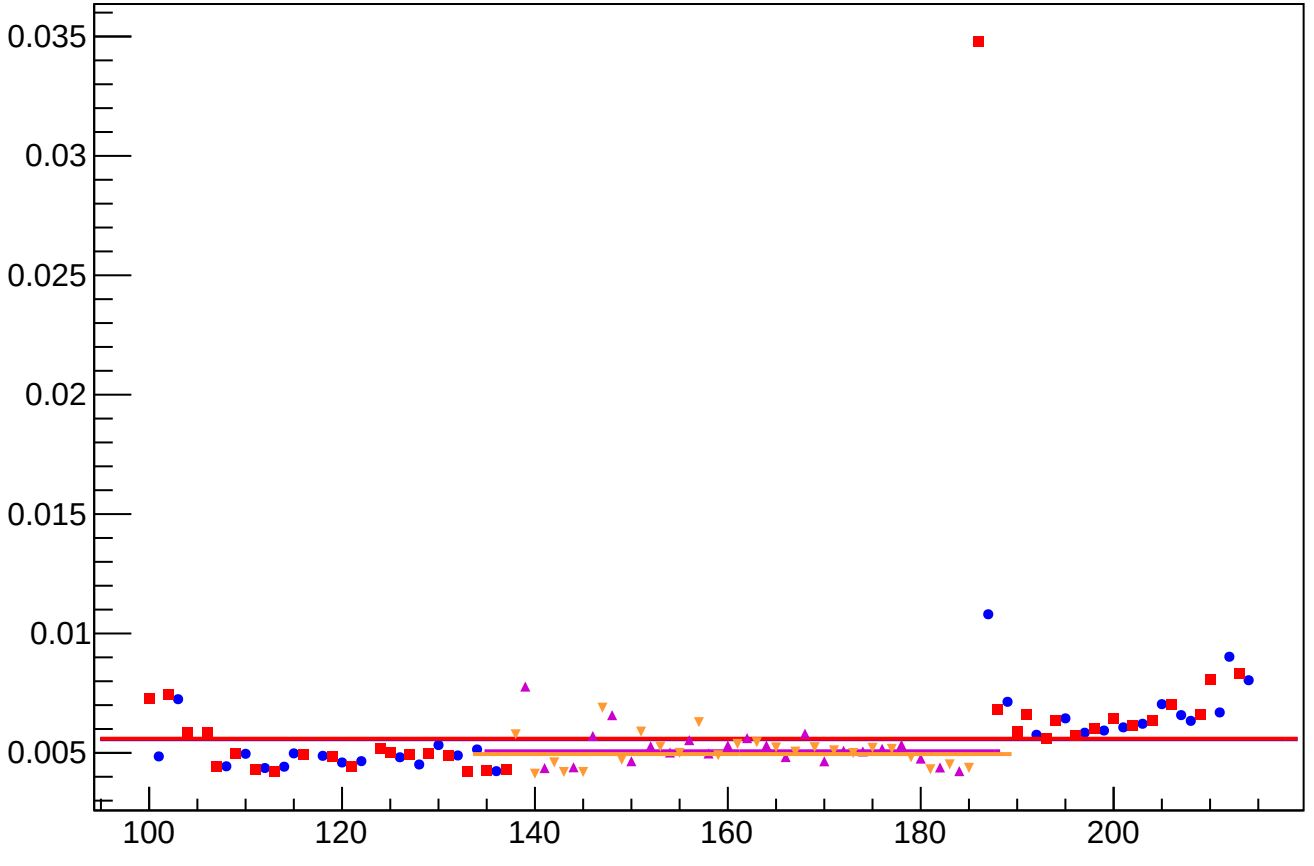
Right: -0.275+/-0.000 χ^2/NDF: 54543535800.5/63

In: -0.273+/-0.000 χ^2/NDF:27526648016.5/52

Out: -0.275+/-0.000 χ^2/NDF:27747444729.4/58

All: -0.274+/-0.000 χ^2/NDF: 55277208676.1/

yield_bpm16Y_rms vs Slug, Sign Corrected



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

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

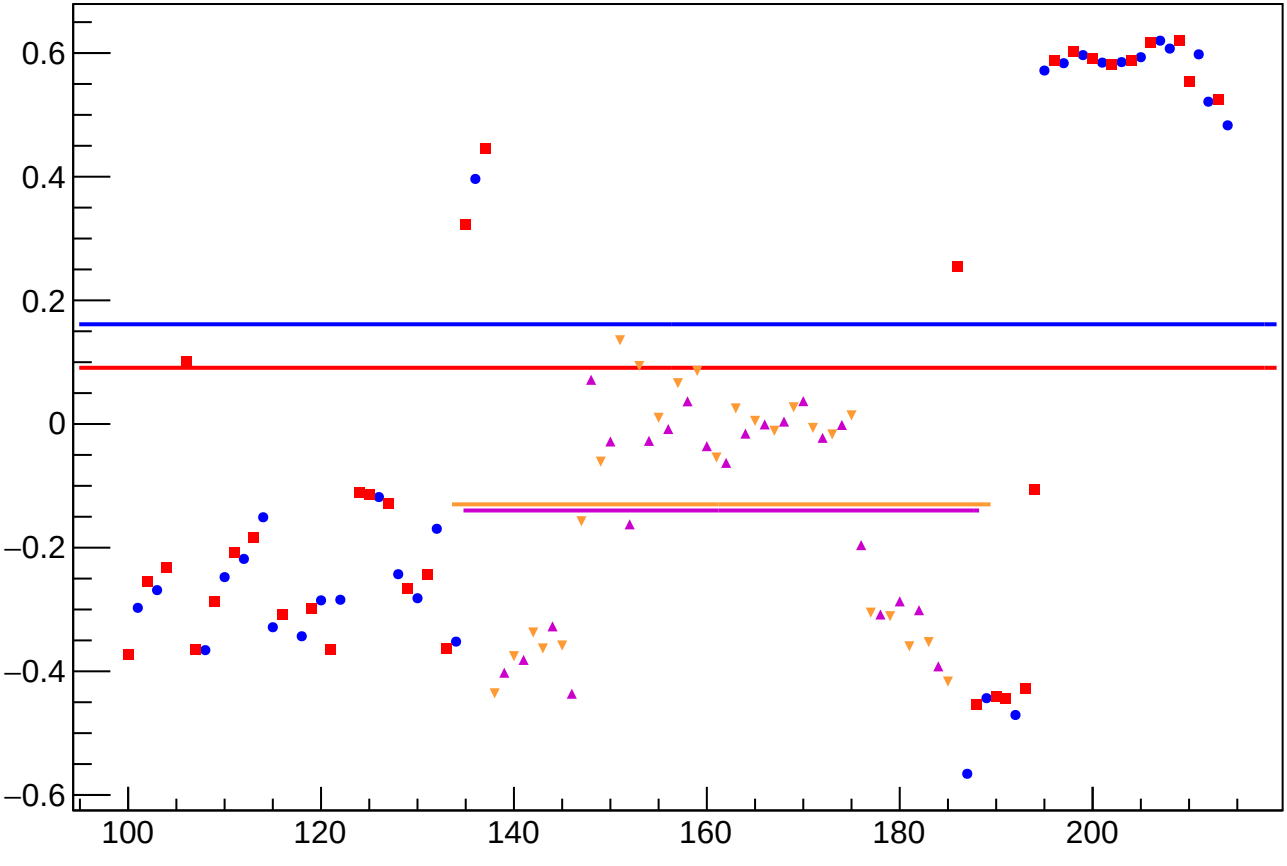
Right: 0.006+/-0.000 χ^2/NDF: 3143447.8/63

In: 0.005+/-0.000 χ^2/NDF:2015509.2/52

Out: 0.005+/-0.000 χ^2/NDF:2604738.8/58

All: 0.005+/-0.000 χ^2/NDF: 4625983.0/111

yield_bpm0i02X_mean vs Slug, Sign Corrected



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

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

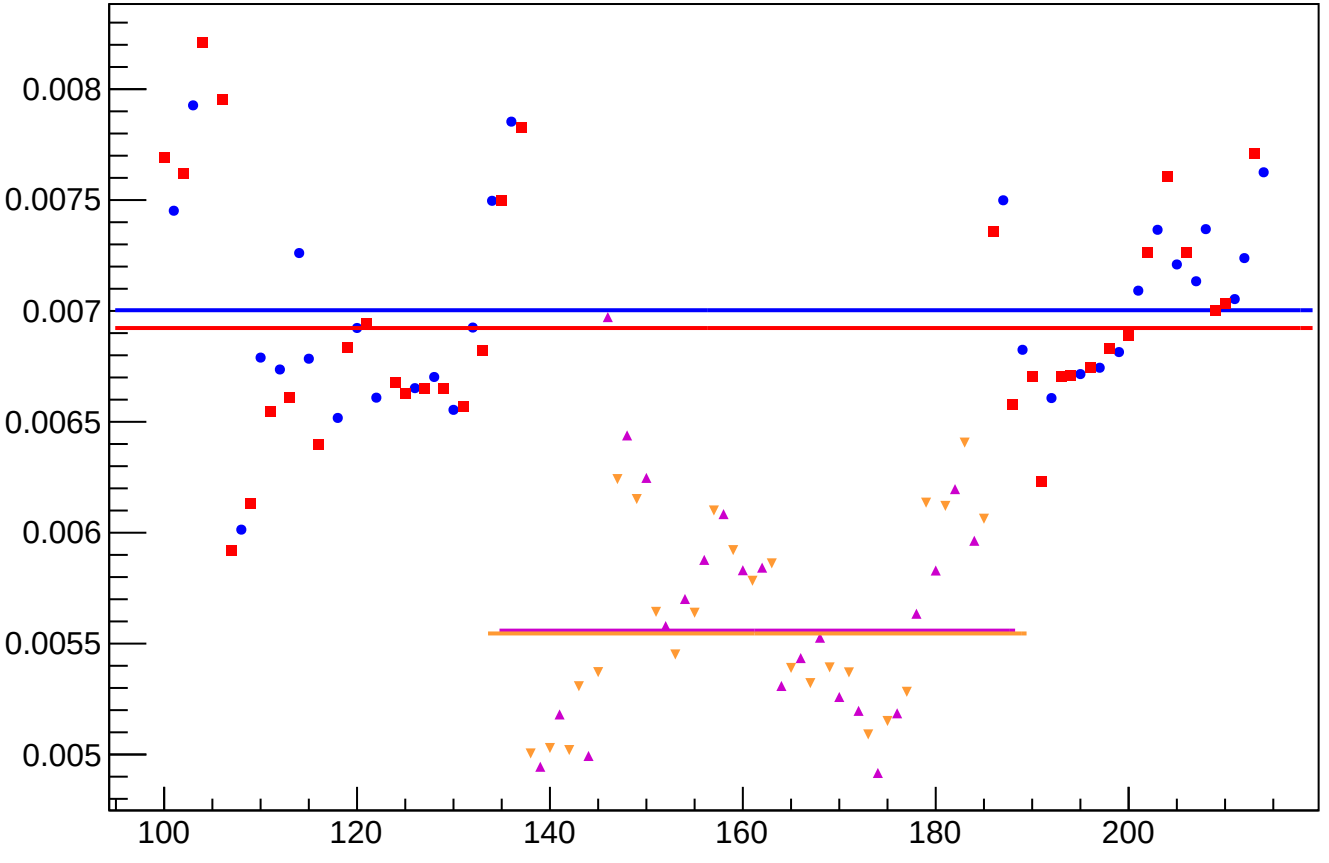
Right: 0.125+/-0.000 χ^2/NDF: 145497227962.0/63

In: -0.021+/-0.000 χ^2/NDF:107889589468.2/52

Out: -0.043+/-0.000 χ^2/NDF:104859113483.0/58

All: -0.032+/-0.000 χ^2/NDF: 212988053865.6

yield_bpm0i02X_rms vs Slug, Sign Corrected



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

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

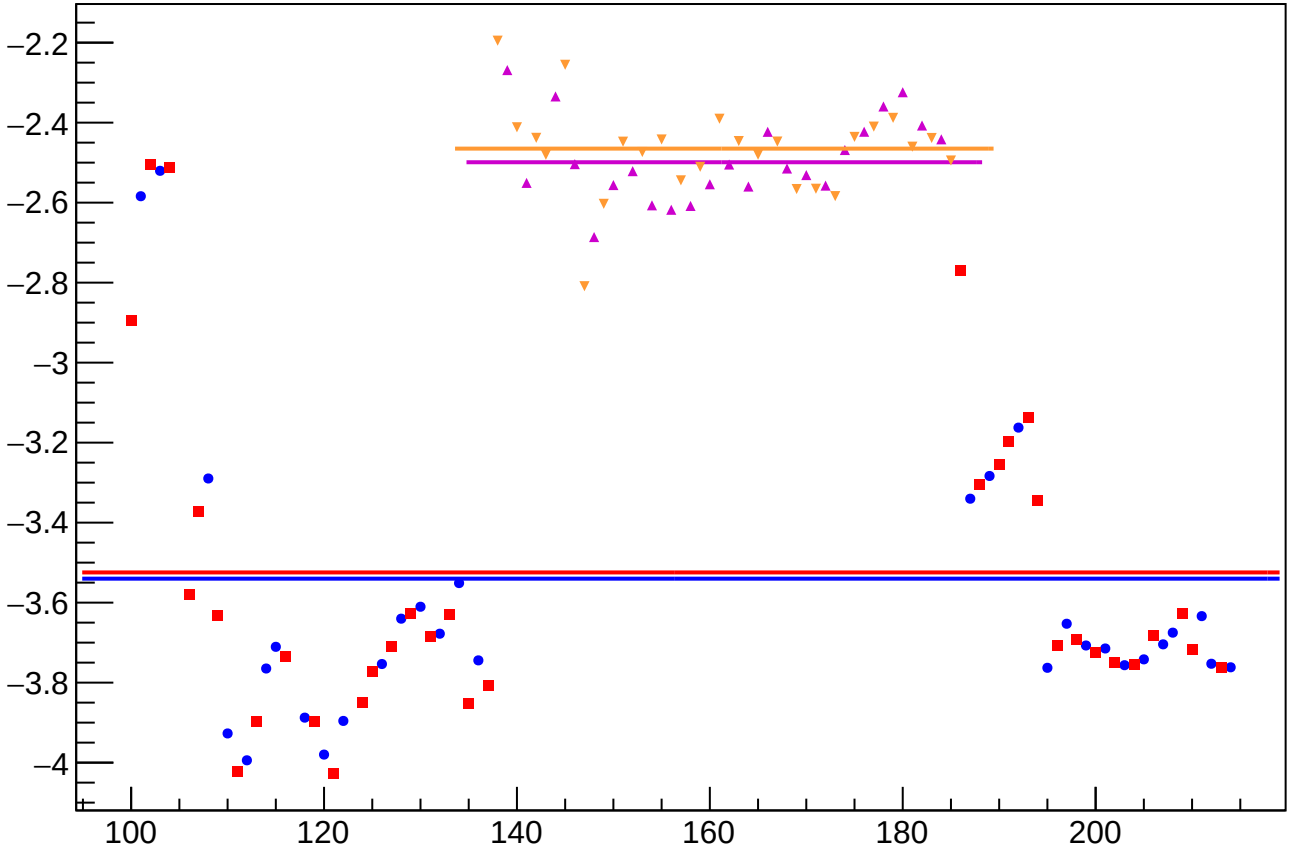
Right: 0.007+/-0.000 χ^2/NDF: 291159.8/63

In: 0.006+/-0.000 χ^2/NDF:1311823.0/52

Out: 0.006+/-0.000 χ^2/NDF:1254730.0/58

All: 0.006+/-0.000 χ^2/NDF: 2568308.2/111

yield_bpm0i02Y_mean vs Slug, Sign Corrected



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

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

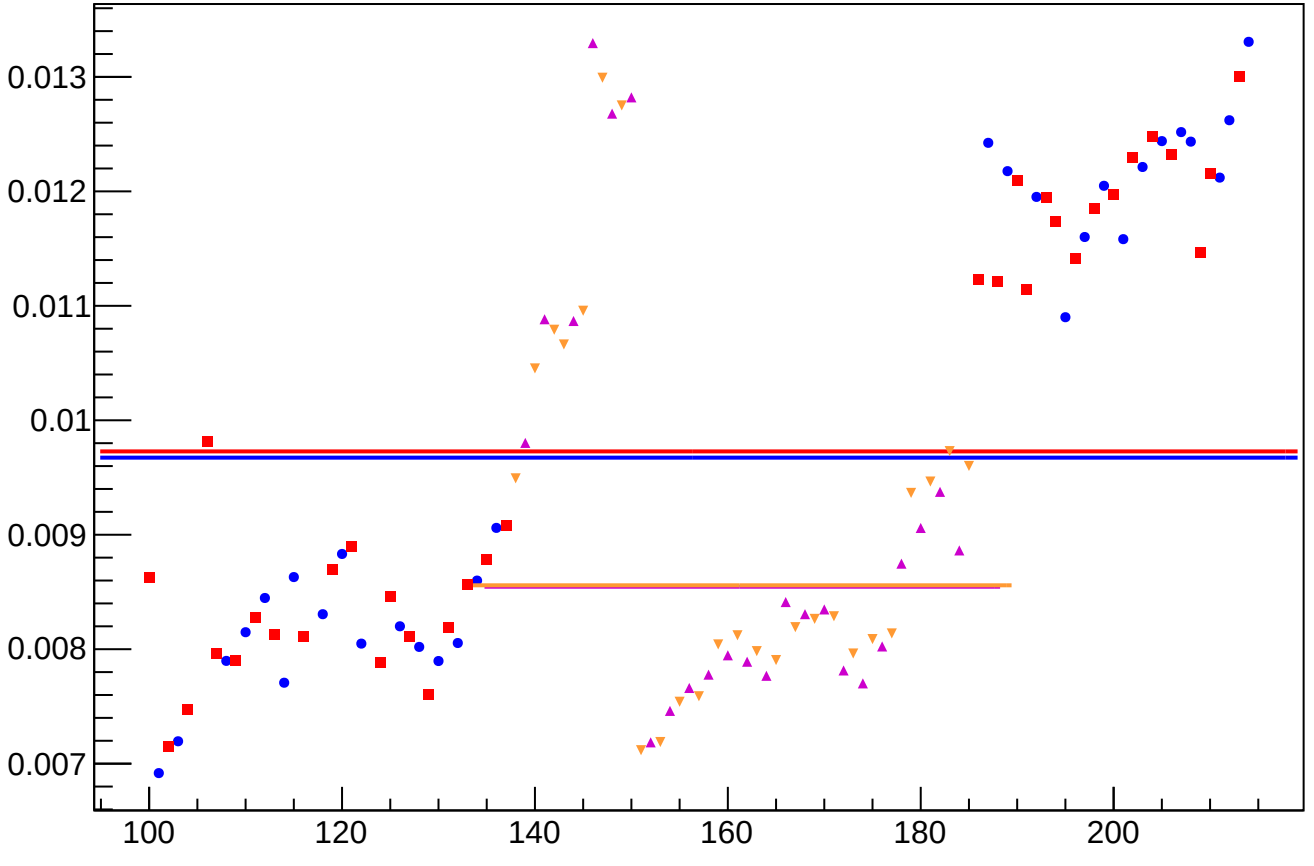
Right: -3.532+/-0.000 χ^2/NDF: 68593956324.3/63

In: -2.956+/-0.000 χ^2/NDF:146951479346.6/52

Out: -2.923+/-0.000 χ^2/NDF:157171422162.2/58

All: -2.939+/-0.000 χ^2/NDF: 304354049067.9

yield_bpm0i02Y_rms vs Slug, Sign Corrected



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

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

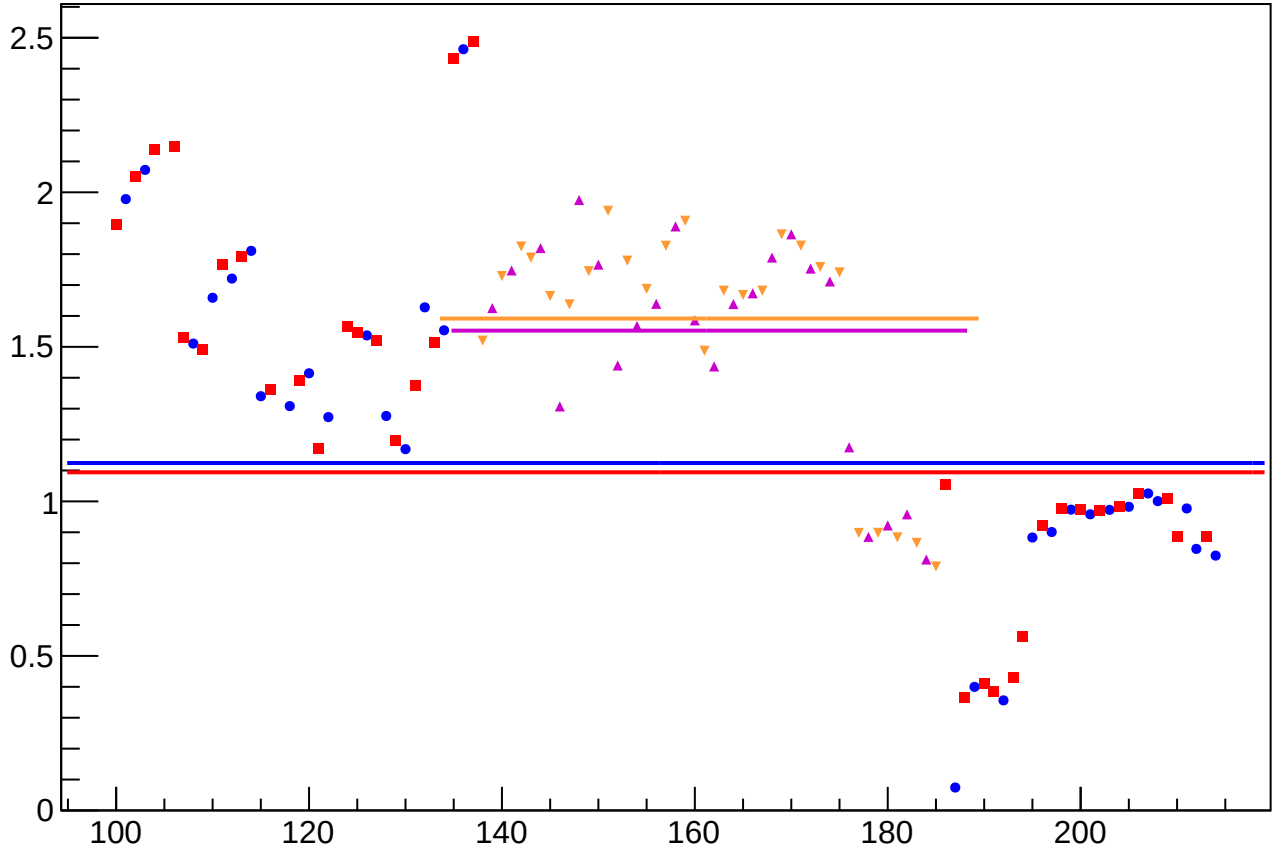
Right: 0.010+/-0.000 χ^2/NDF: 3041354.2/63

In: 0.009+/-0.000 χ^2/NDF:2779252.7/52

Out: 0.009+/-0.000 χ^2/NDF:2549659.0/58

All: 0.009+/-0.000 χ^2/NDF: 5329140.0/111

yield_bpm0i02aX_mean vs Slug, Sign Corrected



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

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

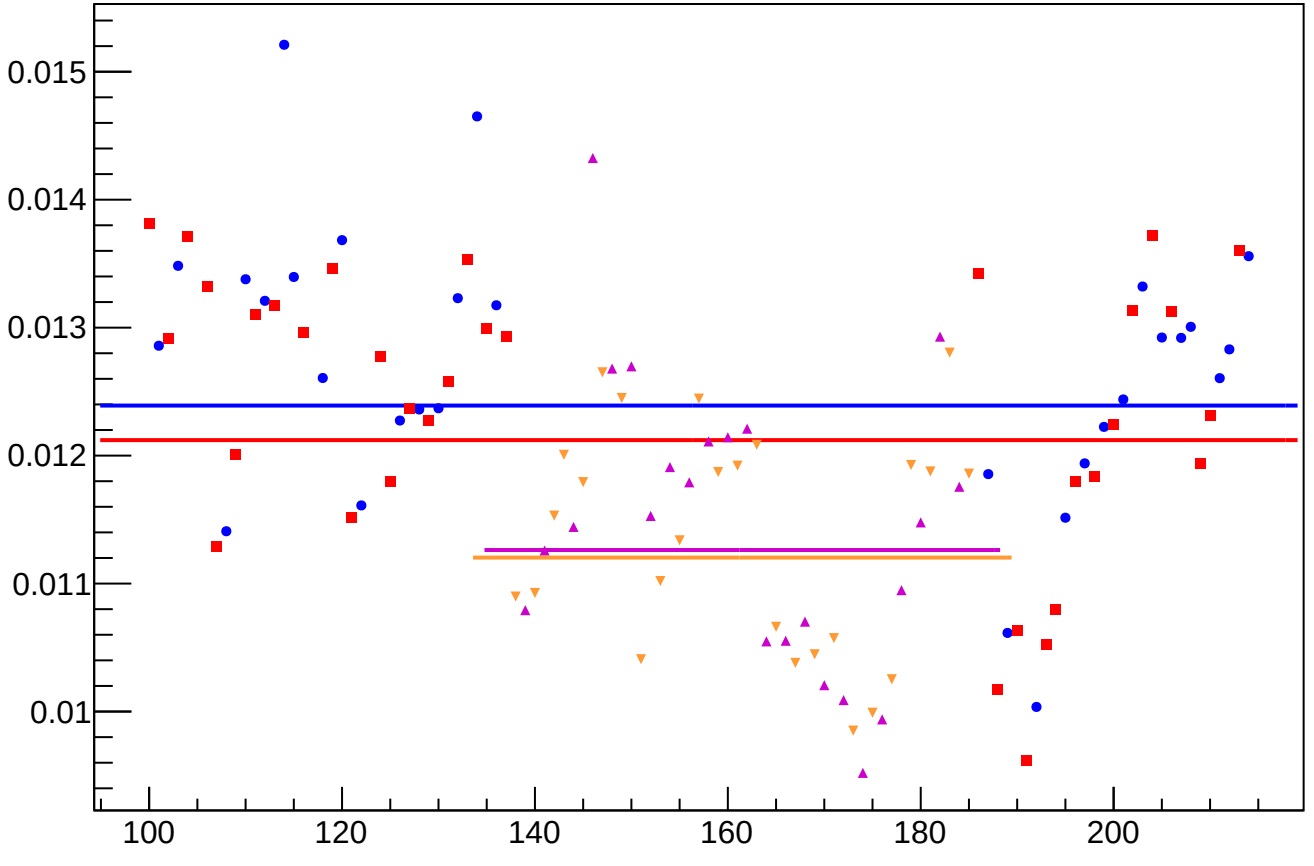
Right: 1.109+/-0.000 χ^2/NDF: 65381947690.2/63

In: 1.356+/-0.000 χ^2/NDF:55988951820.6/52

Out: 1.363+/-0.000 χ^2/NDF:68709916154.7/58

All: 1.359+/-0.000 χ^2/NDF: 124705785121.2

yield_bpm0i02aX_rms vs Slug, Sign Corrected



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

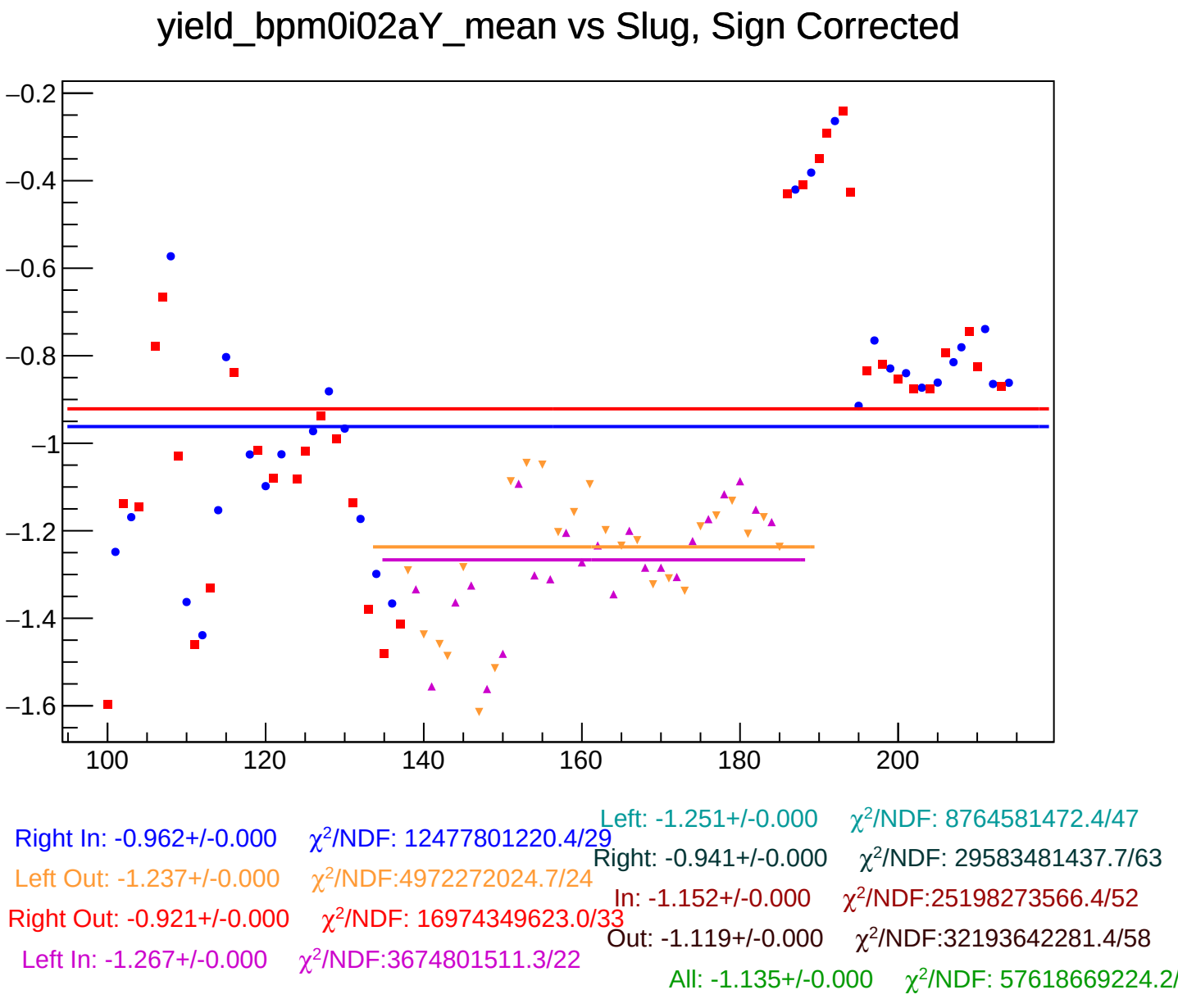
Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

Right: 0.012+/-0.000 χ^2/NDF: 585510.5/63

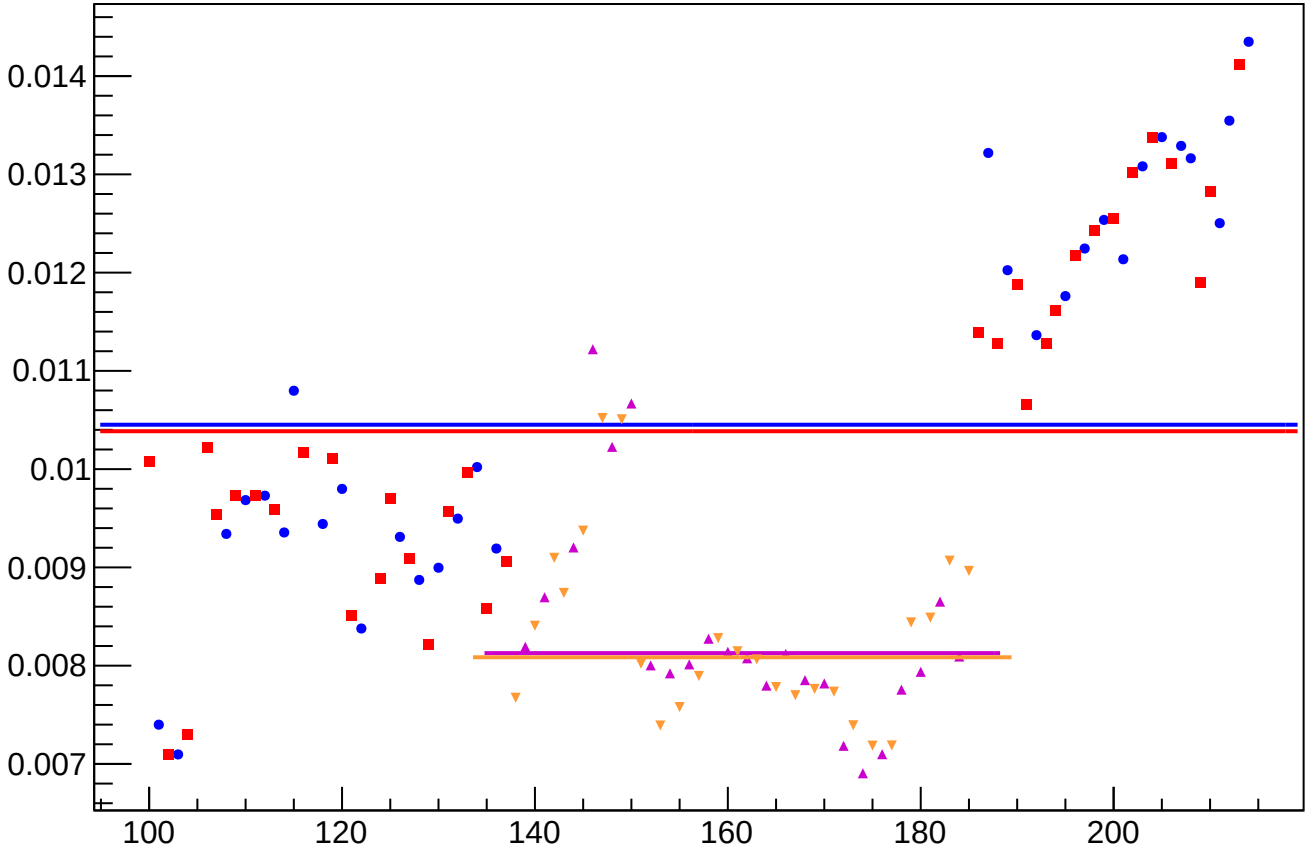
In: 0.012+/-0.000 χ^2/NDF:722341.4/52

Out: 0.012+/-0.000 χ^2/NDF:663467.7/58

All: 0.012+/-0.000 χ^2/NDF: 1392182.1/111


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
120
140
160
180
200
Right In: -0.962+/-0.000 χ²/NDF: 12477801220.4/29
Left Out: -1.237+/-0.000 χ²/NDF:4972272024.7/24
Right Out: -0.921+/-0.000 χ²/NDF: 16974349623.0/33
Left In: -1.267+/-0.000 χ²/NDF:3674801511.3/22
Left: -1.251+/-0.000 χ²/NDF: 8764581472.4/47
Right: -0.941+/-0.000 χ²/NDF: 29583481437.7/63
In: -1.152+/-0.000 χ²/NDF:25198273566.4/52
Out: -1.119+/-0.000 χ²/NDF:32193642281.4/58
All: -1.135+/-0.000 χ²/NDF: 57618669224.2/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



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

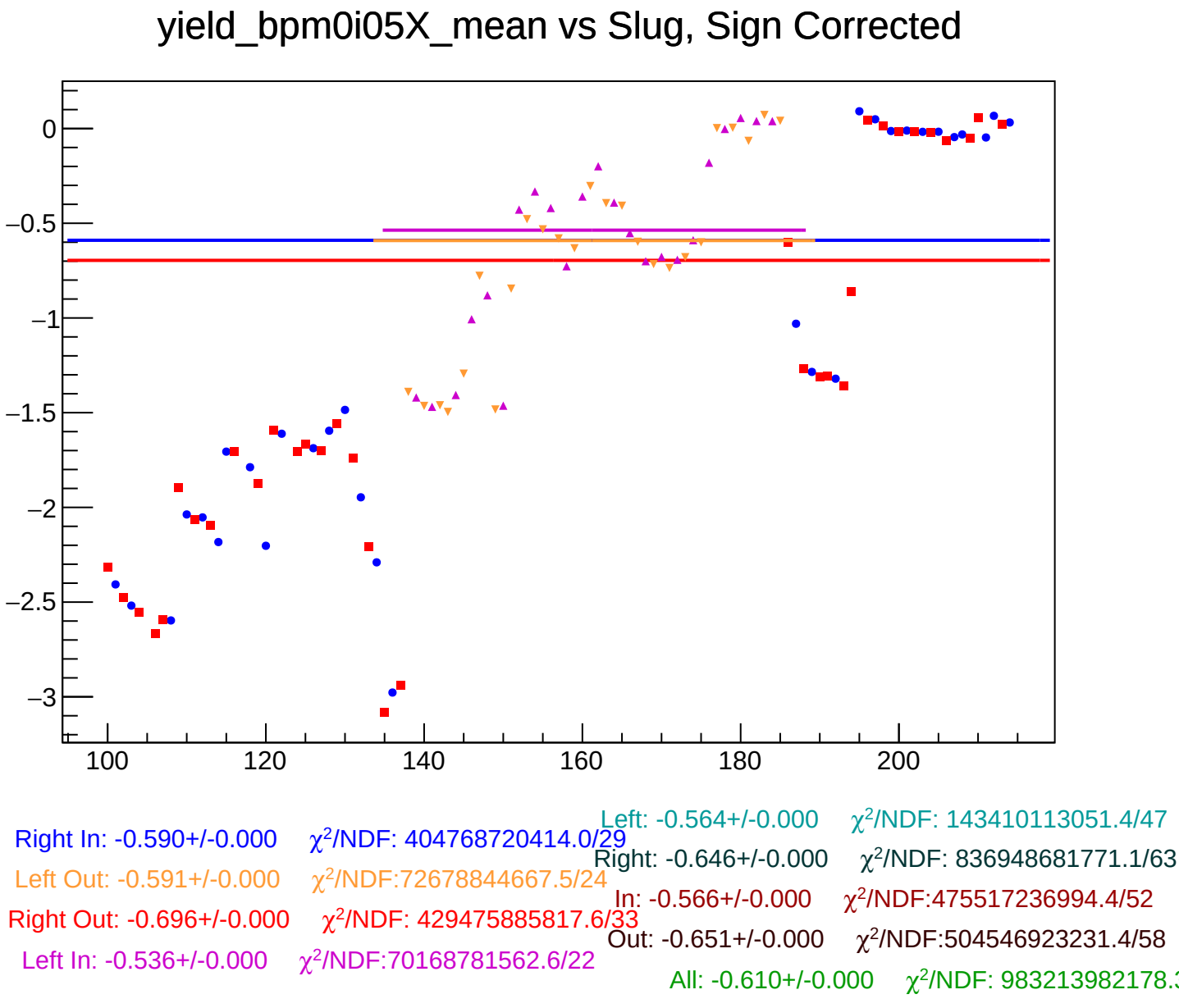
Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

Right: 0.010+/-0.000 χ^2/NDF: 2686289.3/63

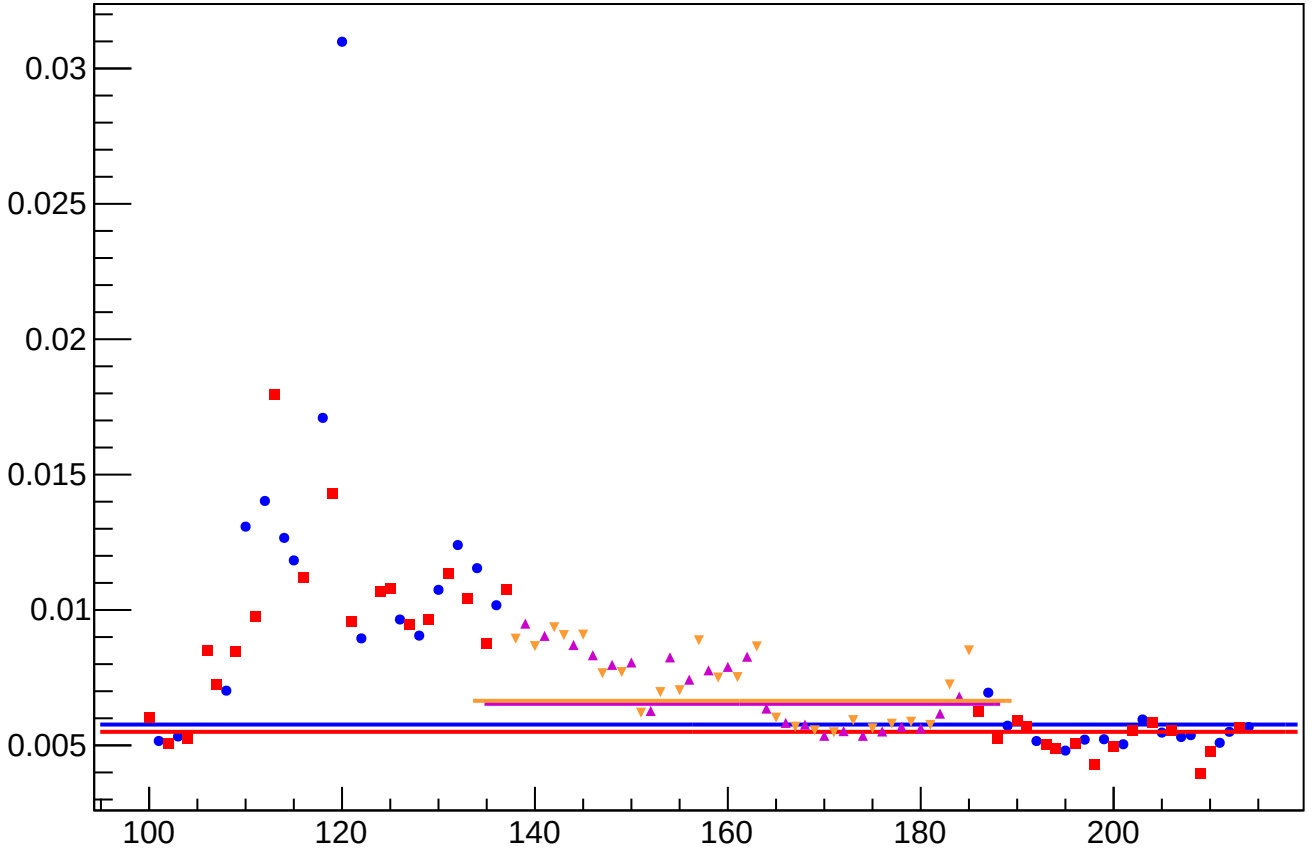
In: 0.009+/-0.000 χ^2/NDF:2862347.4/52

Out: 0.009+/-0.000 χ^2/NDF:2701833.8/58

All: 0.009+/-0.000 χ^2/NDF: 5565709.1/111


yield_bpm0i05X_mean vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
−2.5
−3
100
120
140
160
180
200
Right In: -0.590+/-0.000 χ²/NDF: 404768720414.0/29
Left Out: -0.591+/-0.000 χ²/NDF:72678844667.5/24
Right Out: -0.696+/-0.000 χ²/NDF: 429475885817.6/33
Left In: -0.536+/-0.000 χ²/NDF:70168781562.6/22
Left: -0.564+/-0.000 χ²/NDF: 143410113051.4/47
Right: -0.646+/-0.000 χ²/NDF: 836948681771.1/63
In: -0.566+/-0.000 χ²/NDF:475517236994.4/52
Out: -0.651+/-0.000 χ²/NDF:504546923231.4/58
All: -0.610+/-0.000 χ²/NDF: 983213982178.3

yield_bpm0i05X_rms vs Slug, Sign Corrected



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

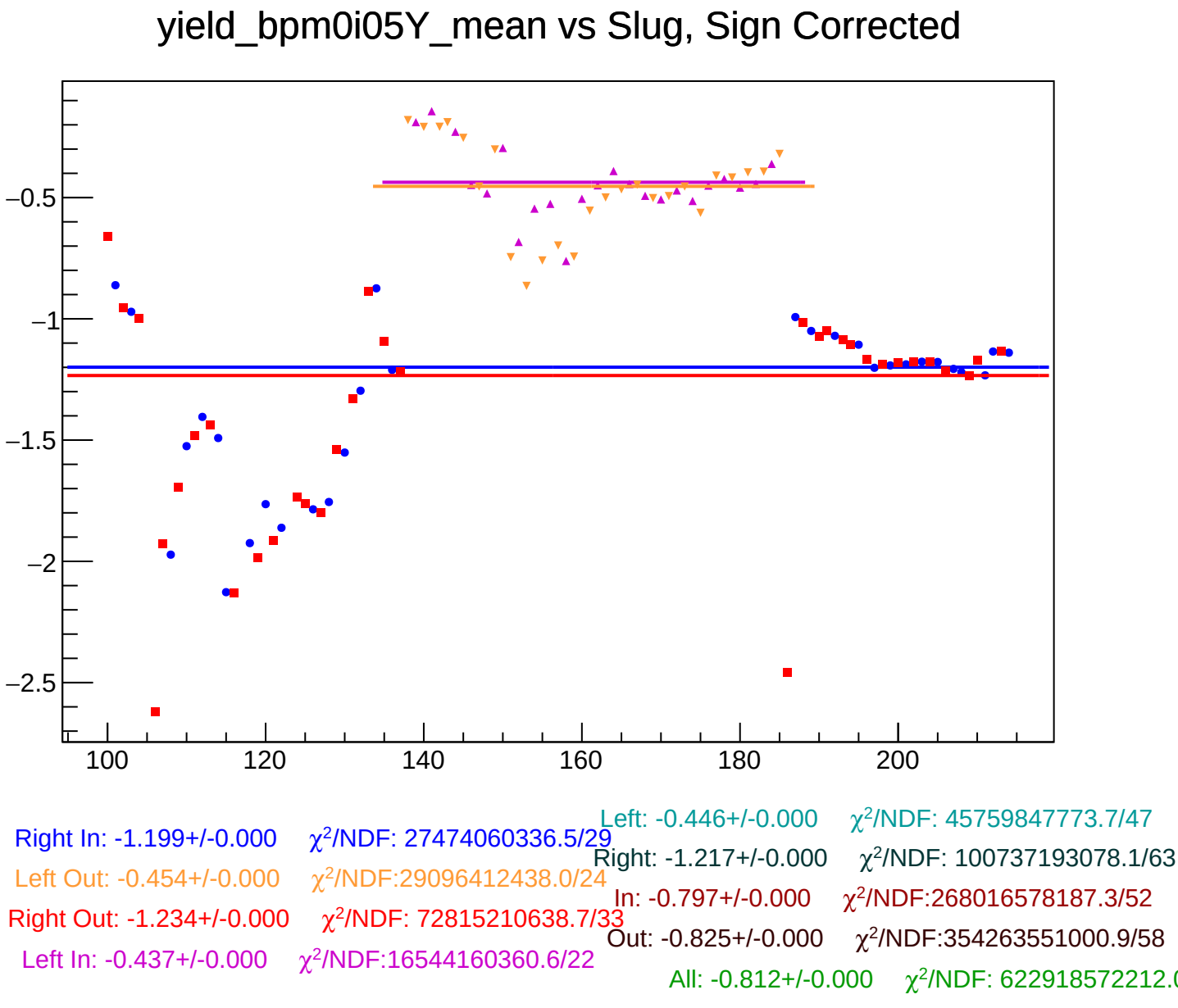
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 5253275.5/63

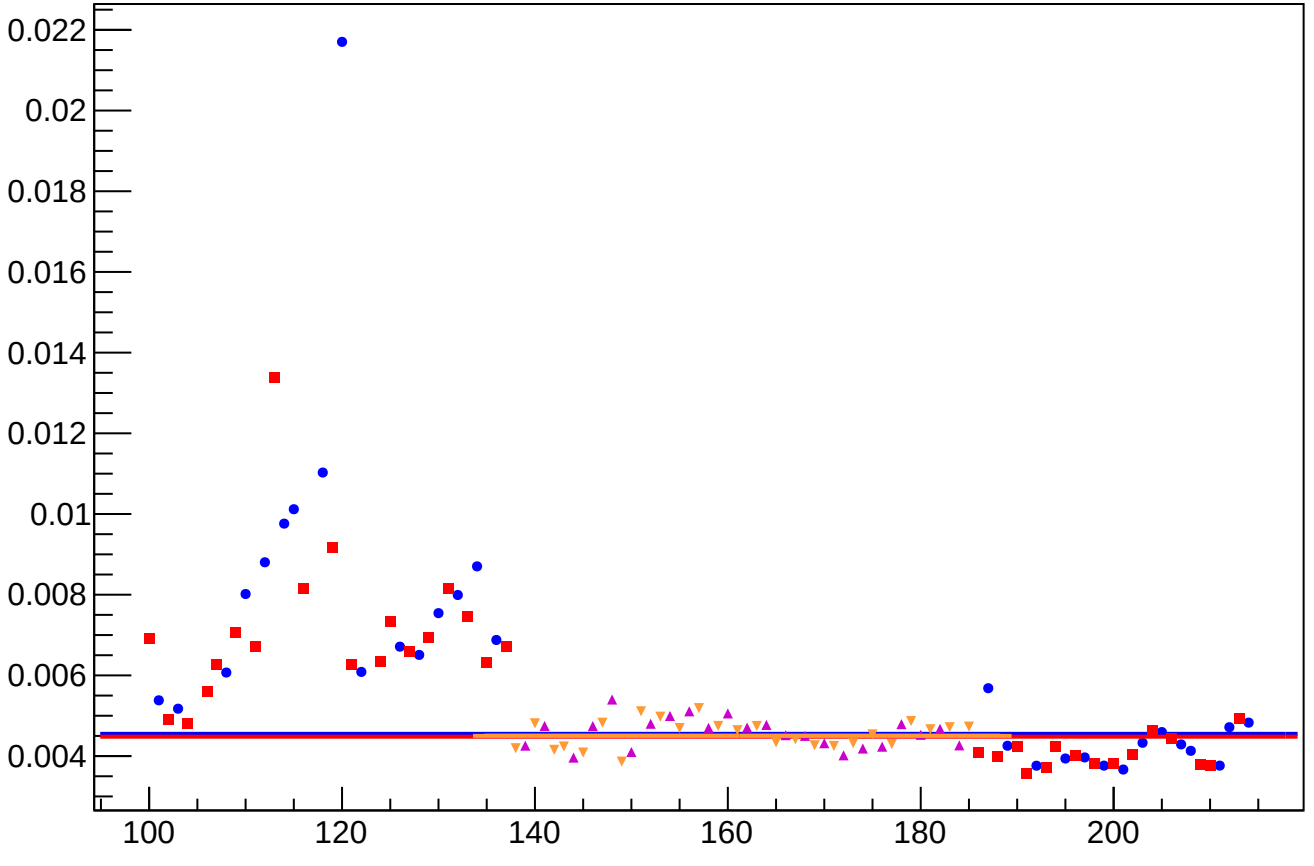
In: 0.006+/-0.000 χ^2/NDF:3932083.3/52

Out: 0.006+/-0.000 χ^2/NDF:4341078.3/58

All: 0.006+/-0.000 χ^2/NDF: 8287405.4/111


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
Right In: -1.199+/-0.000 χ²/NDF: 27474060336.5/29
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.234+/-0.000 χ²/NDF: 72815210638.7/33
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.217+/-0.000 χ²/NDF: 100737193078.1/63
In: -0.797+/-0.000 χ²/NDF:268016578187.3/52
Out: -0.825+/-0.000 χ²/NDF:354263551000.9/58
All: -0.812+/-0.000 χ²/NDF: 622918572212.0

yield_bpm0i05Y_rms vs Slug, Sign Corrected



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

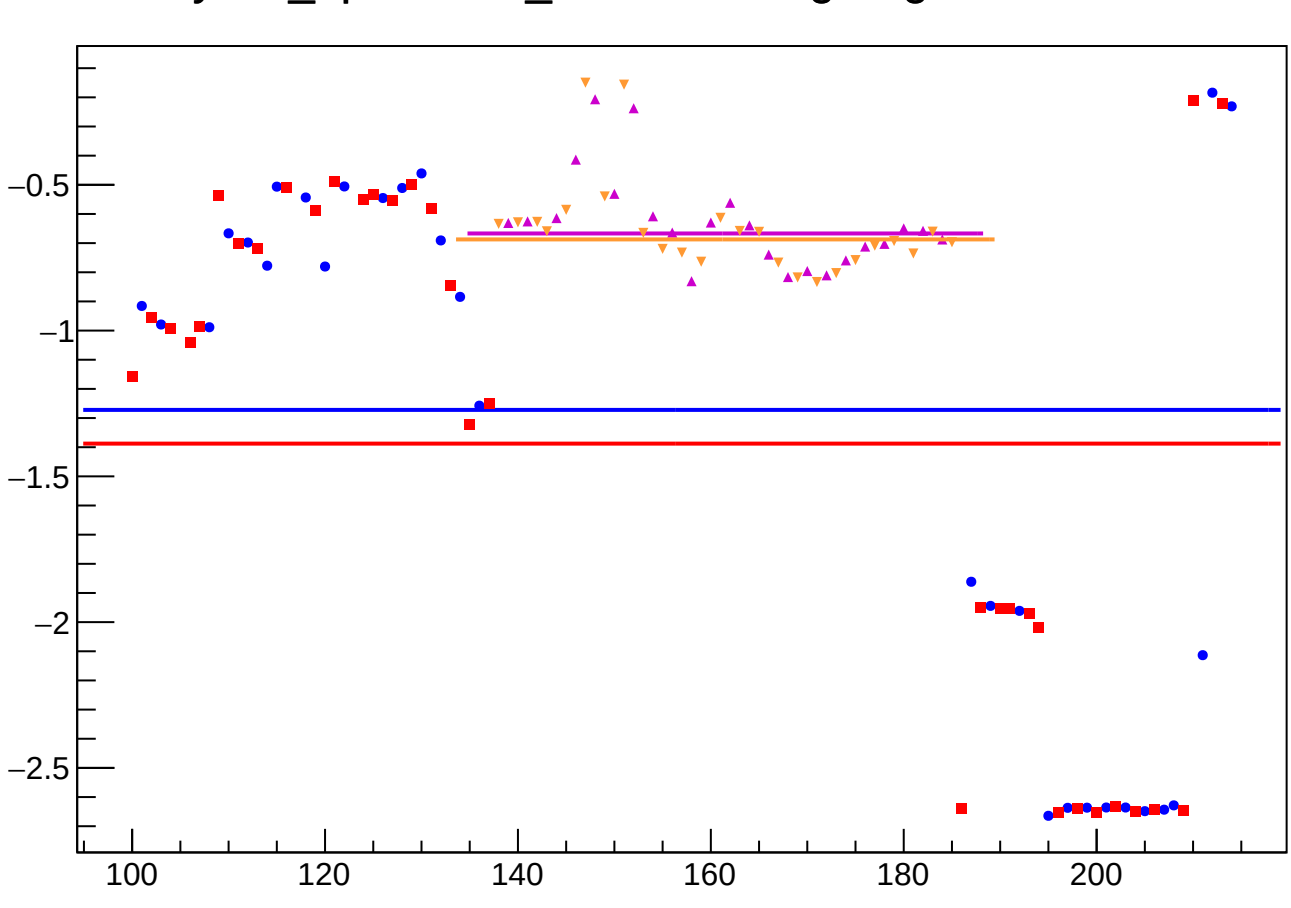
Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

Right: 0.005+/-0.000 χ^2/NDF: 4236410.4/63

In: 0.005+/-0.000 χ^2/NDF:2465386.9/52

Out: 0.004+/-0.000 χ^2/NDF:2169565.3/58

All: 0.005+/-0.000 χ^2/NDF: 4638046.9/111



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

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

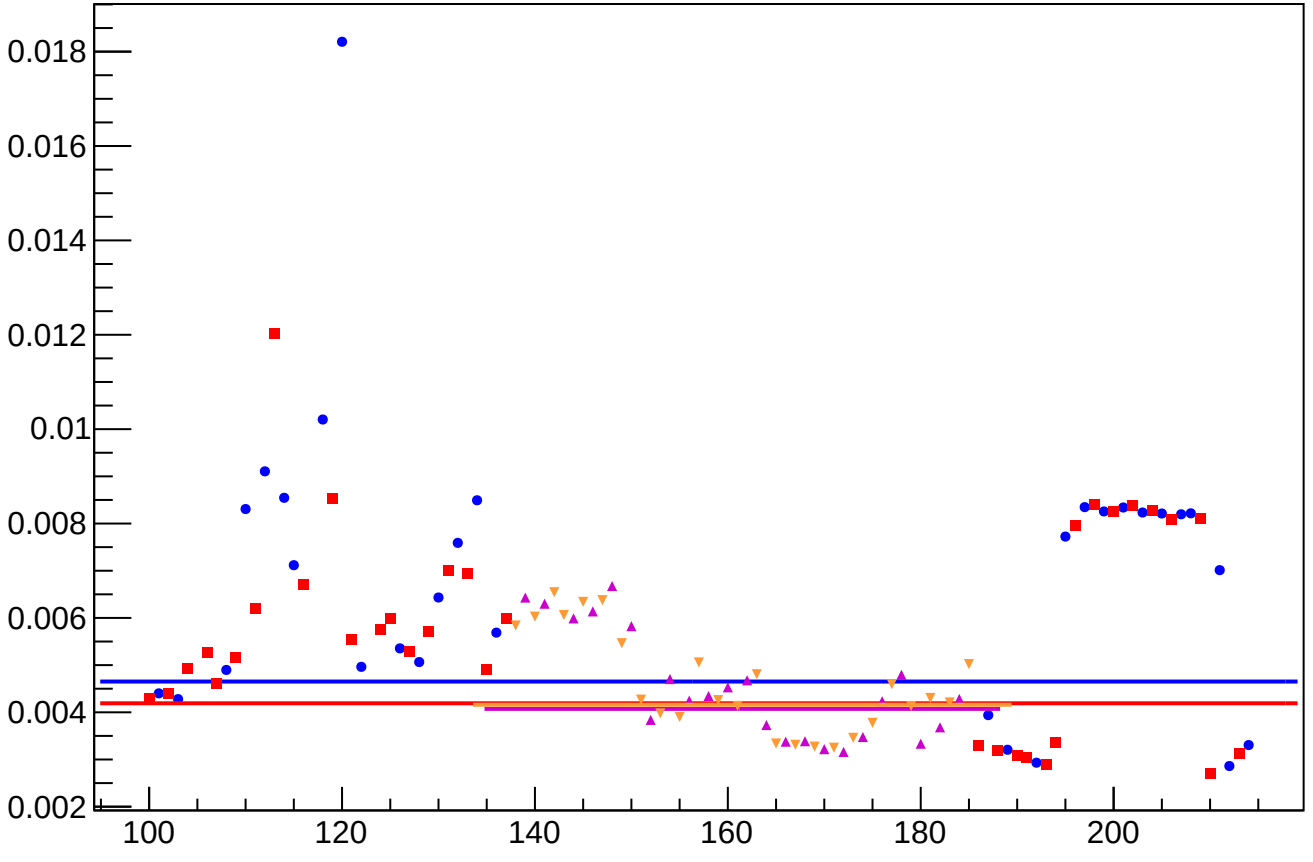
Right: -1.337+/-0.000 χ^2/NDF: 1189705112632.2/6

In: -0.912+/-0.000 χ^2/NDF:694223519093.8/52

Out: -1.013+/-0.000 χ^2/NDF:896624747790.6/58

All: -0.965+/-0.000 χ^2/NDF: 1599421431886

yield_bpm0i07X_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

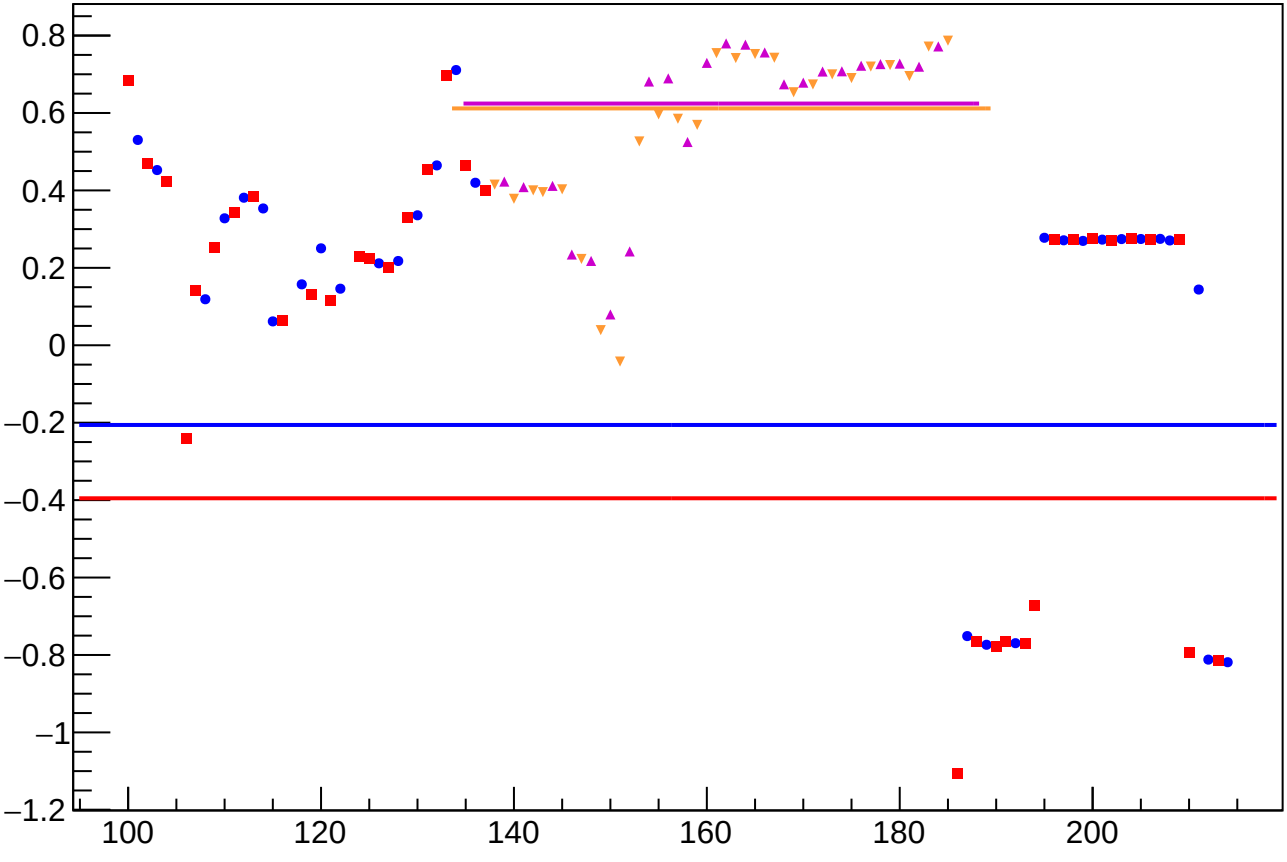
Right: 0.004+/-0.000 χ^2/NDF: 11426970.1/63

In: 0.004+/-0.000 χ^2/NDF:7715507.3/52

Out: 0.004+/-0.000 χ^2/NDF:7086227.8/58

All: 0.004+/-0.000 χ^2/NDF: 14831571.6/111

yield_bpm0i07Y_mean vs Slug, Sign Corrected



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

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

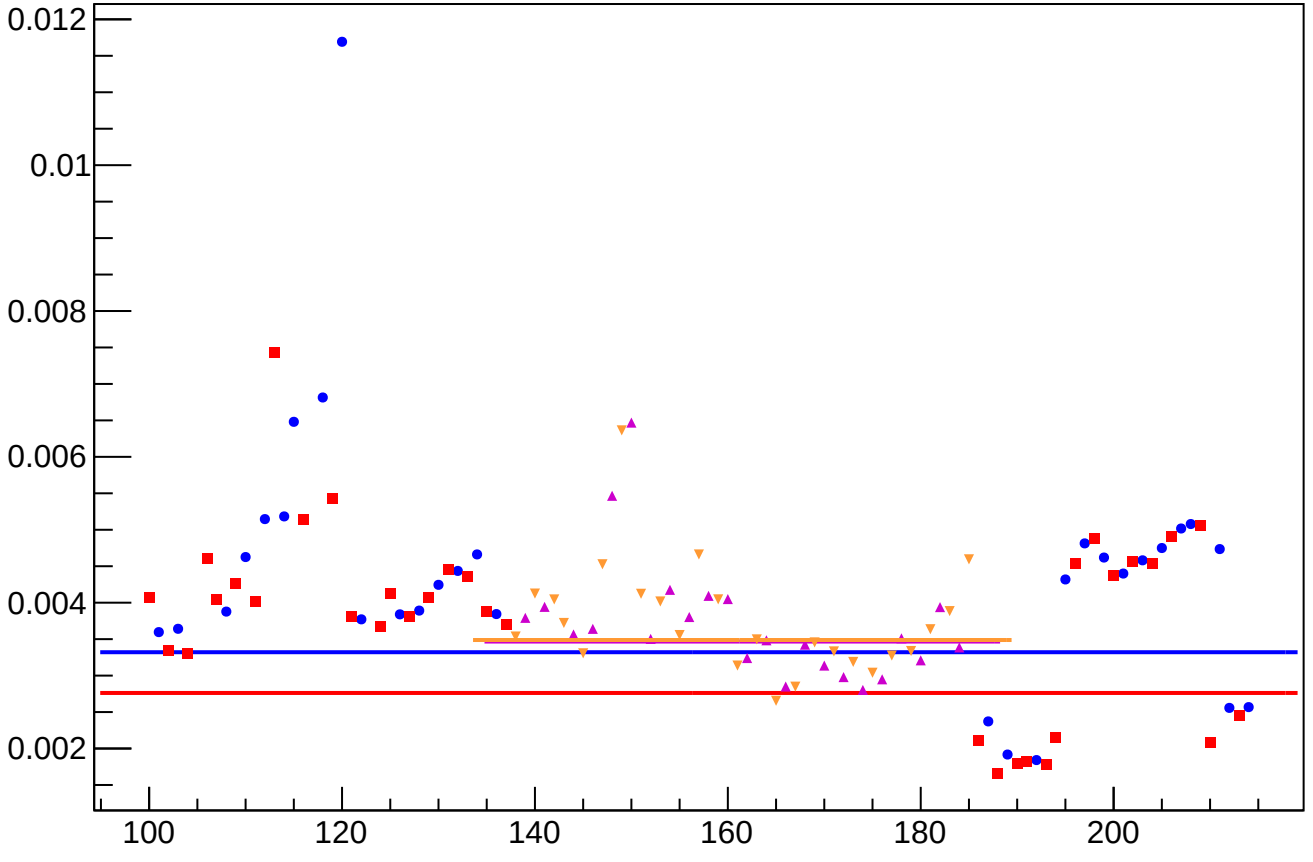
Right: -0.317+/-0.000 χ^2/NDF: 1004490849315.5/6

In: 0.196+/-0.000 χ^2/NDF:908995261255.7/52

Out: 0.014+/-0.000 χ^2/NDF:1398191147518.1/58

All: 0.095+/-0.000 χ^2/NDF: 2355318220252.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

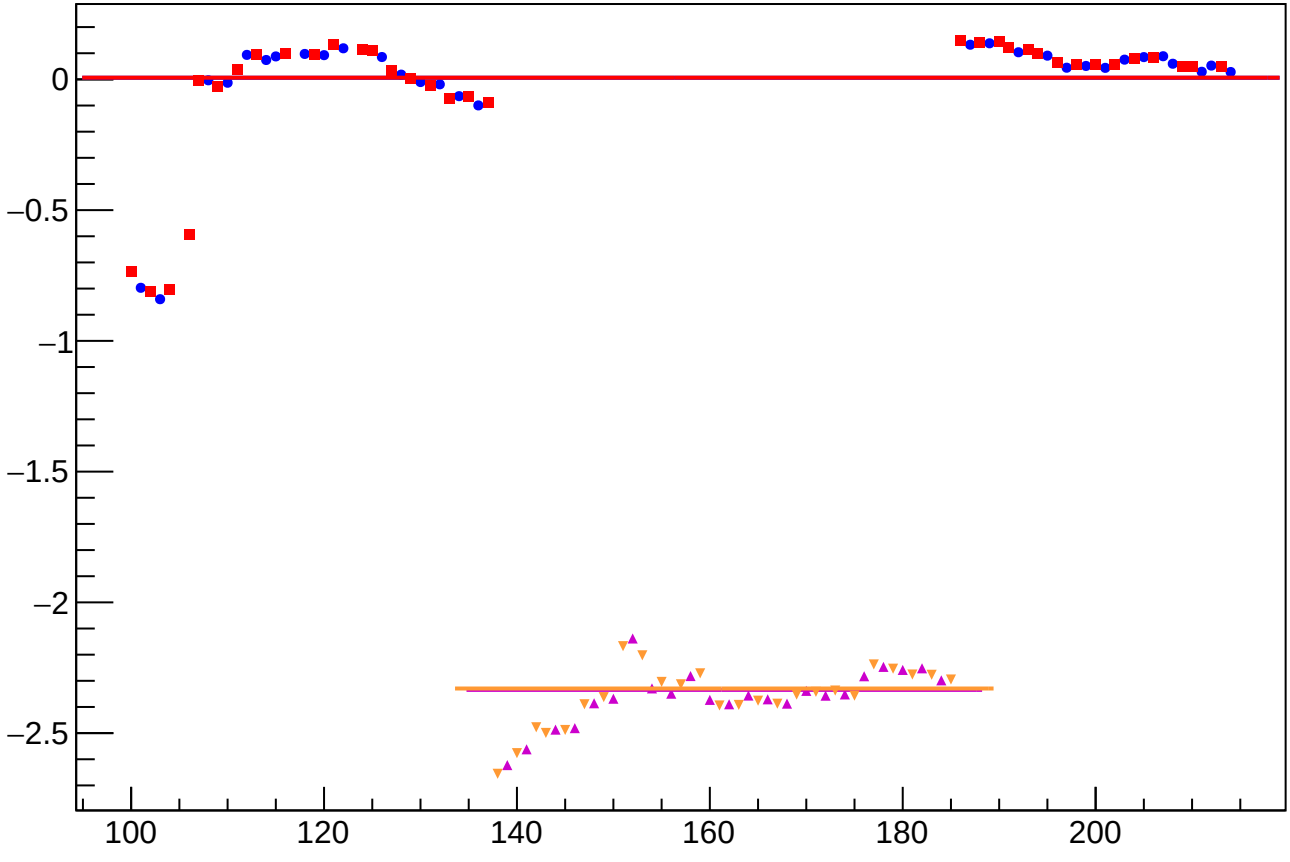
Right: 0.003+/-0.000 χ^2/NDF: 10107104.3/63

In: 0.003+/-0.000 χ^2/NDF:5100483.3/52

Out: 0.003+/-0.000 χ^2/NDF:7109192.1/58

All: 0.003+/-0.000 χ^2/NDF: 12534439.9/111

yield_bpm1i02X_mean vs Slug, Sign Corrected



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

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

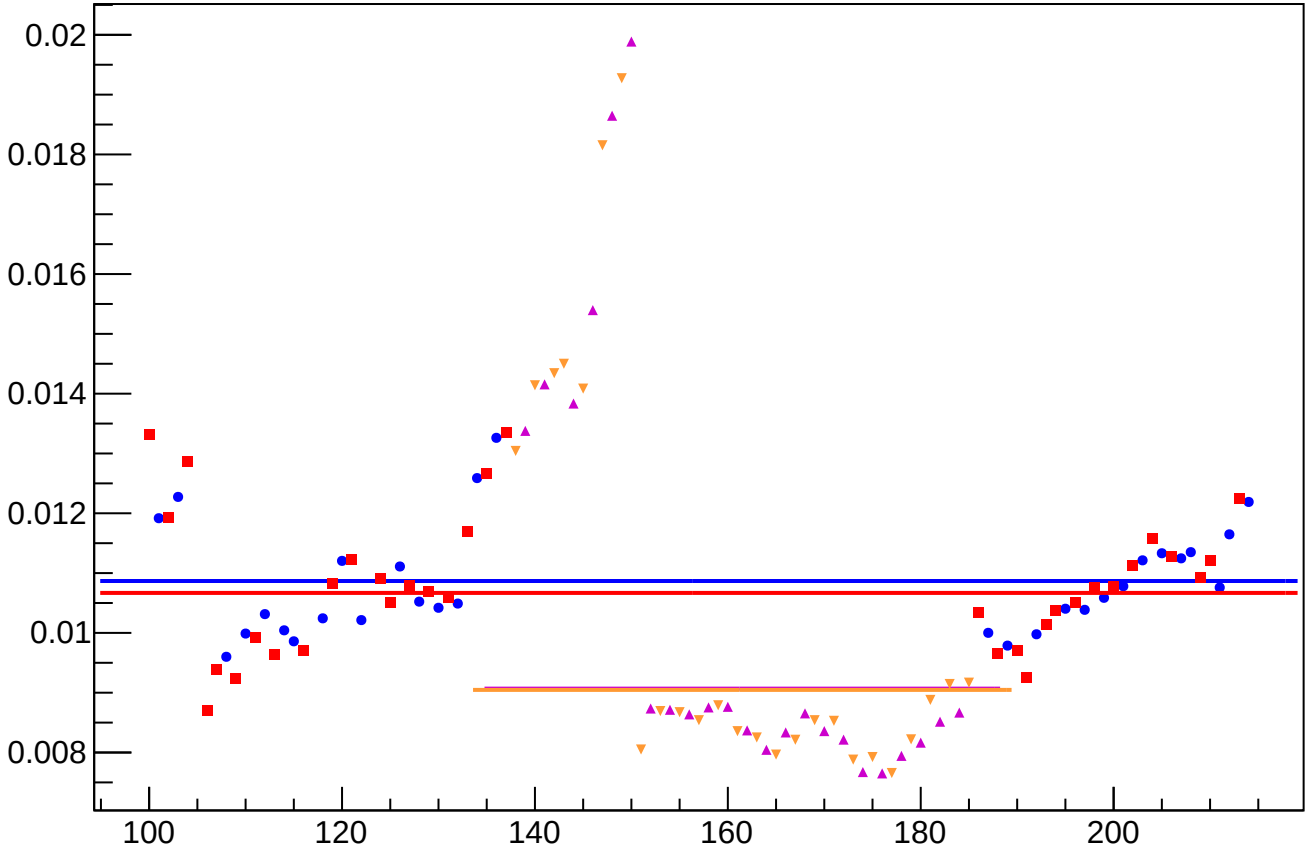
Right: 0.006+/-0.000 χ^2/NDF: 14406198718.5/63

In: -1.344+/-0.000 χ^2/NDF:492191296393.2/52

Out: -1.335+/-0.000 χ^2/NDF:526070206254.6/58

All: -1.339+/-0.000 χ^2/NDF: 1018277088254

yield_bpm1i02X_rms vs Slug, Sign Corrected



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

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

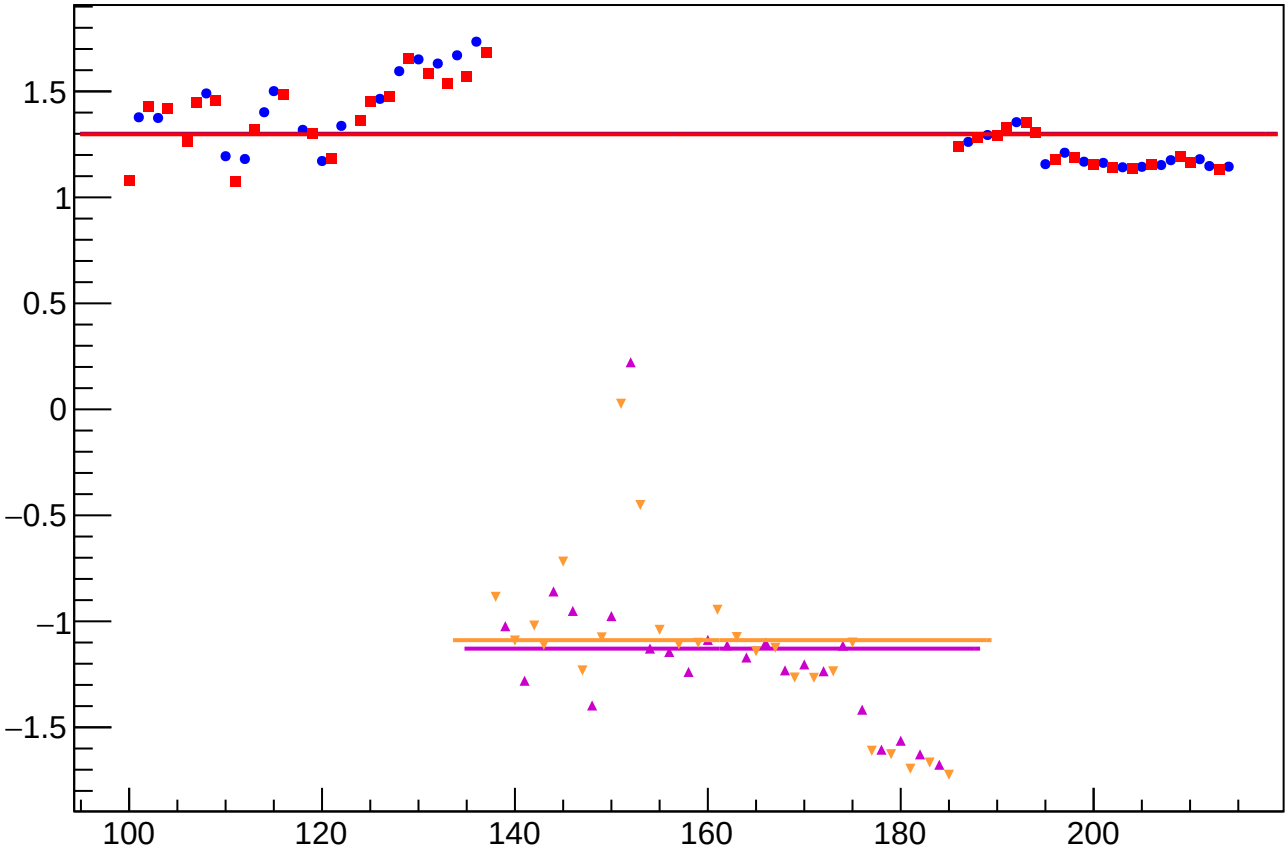
Right: 0.011+/-0.000 χ^2/NDF: 511369.9/63

In: 0.010+/-0.000 χ^2/NDF:2920280.9/52

Out: 0.010+/-0.000 χ^2/NDF:2837353.1/58

All: 0.010+/-0.000 χ^2/NDF: 5760830.1/111

yield_bpm1i02Y_mean vs Slug, Sign Corrected



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

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

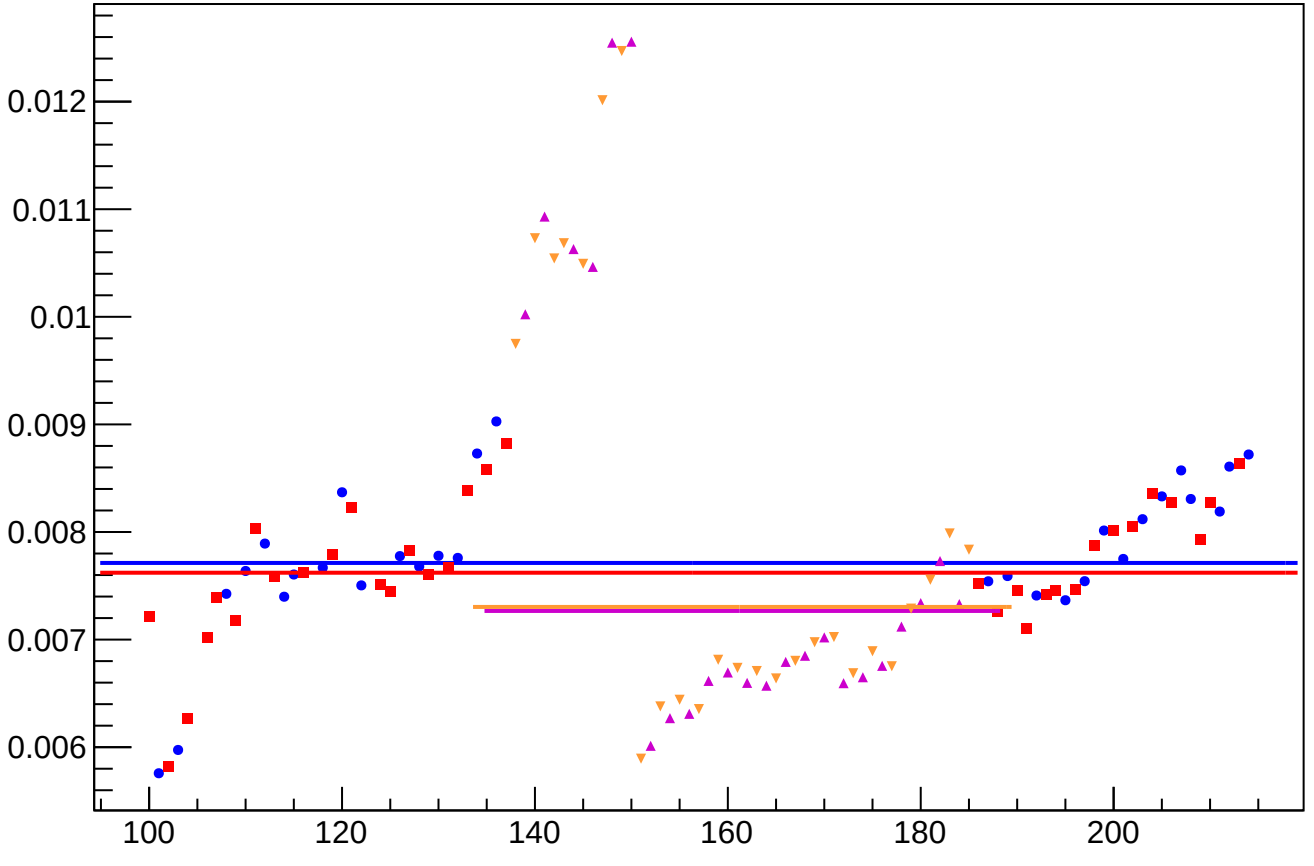
Right: 1.299+/-0.000 χ^2/NDF: 16286250330.7/63

In: 0.032+/-0.000 χ^2/NDF:1000575544520.2/52

Out: 0.063+/-0.000 χ^2/NDF:1020802576513.7/58

All: 0.048+/-0.000 χ^2/NDF: 2021707470708.

yield_bpm1i02Y_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

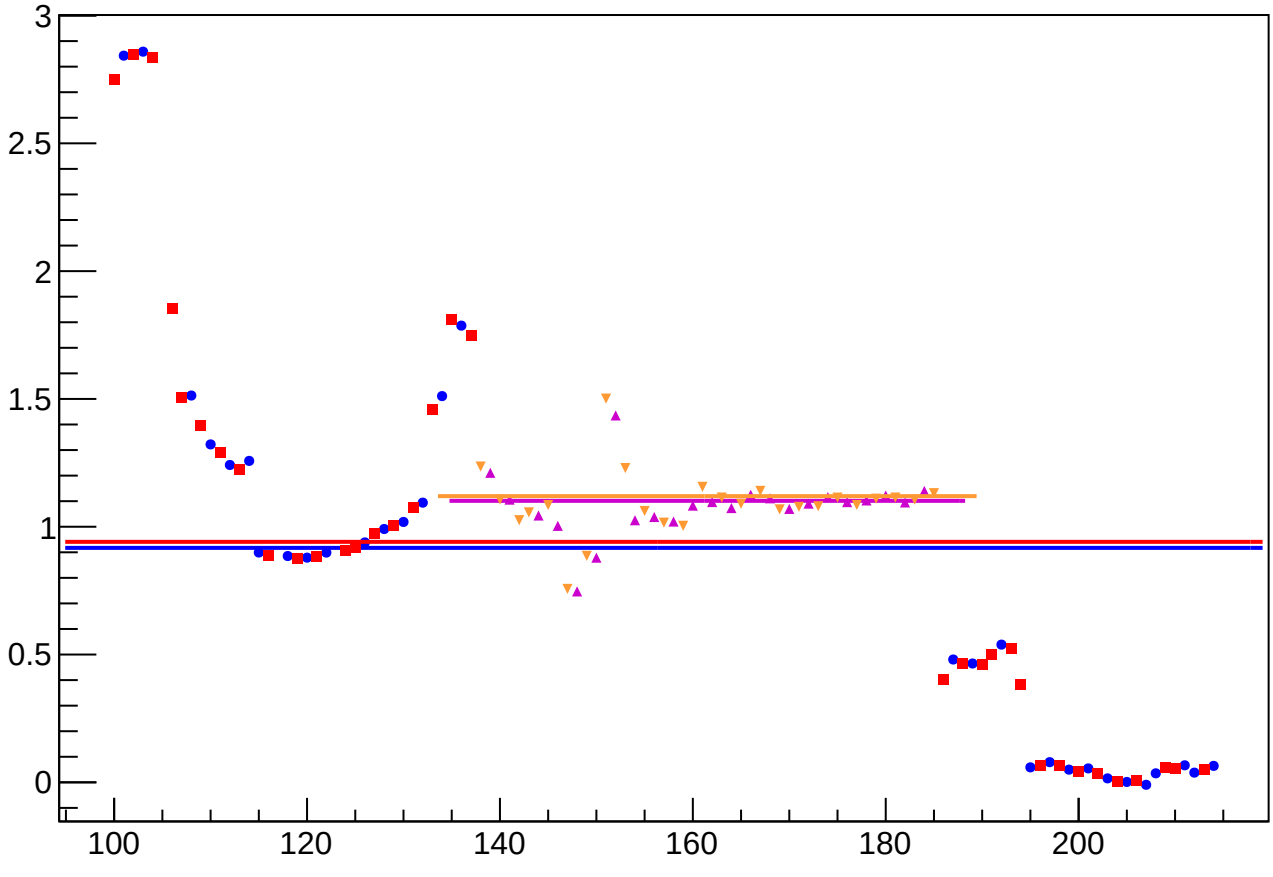
Right: 0.008+/-0.000 χ^2/NDF: 708317.8/63

In: 0.007+/-0.000 χ^2/NDF:2025939.3/52

Out: 0.007+/-0.000 χ^2/NDF:1840741.6/58

All: 0.007+/-0.000 χ^2/NDF: 3867006.8/111

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 0.917+/-0.000 χ^2/NDF: 152865613038.4/29

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 0.941+/-0.000 χ^2/NDF: 147208067176.9/33

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

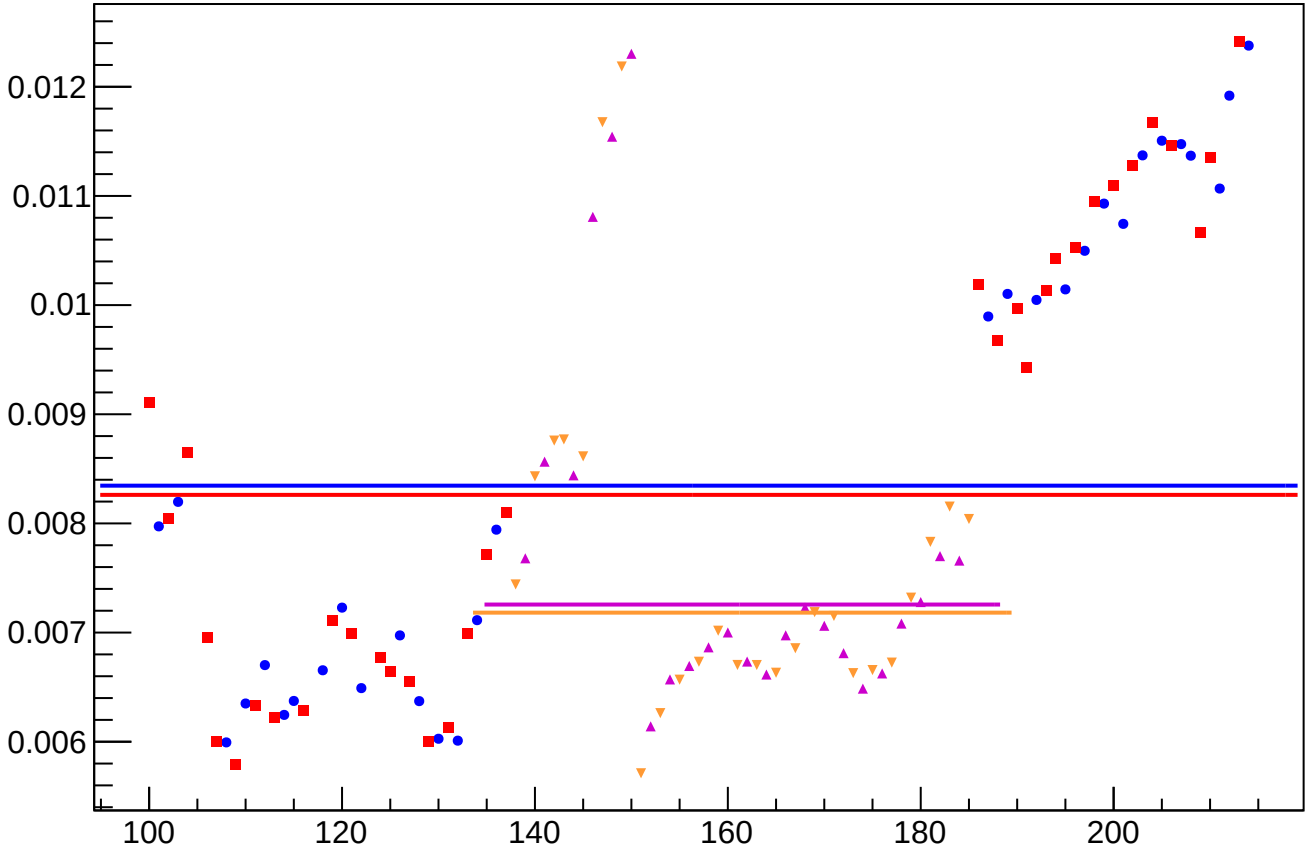
Right: 0.929+/-0.000 χ^2/NDF: 300144046443.5/63

In: 1.023+/-0.000 χ^2/NDF:161849625679.0/52

Out: 1.044+/-0.000 χ^2/NDF:157537233706.3/58

All: 1.034+/-0.000 χ^2/NDF: 319520574241.2

yield_bpm1i04X_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

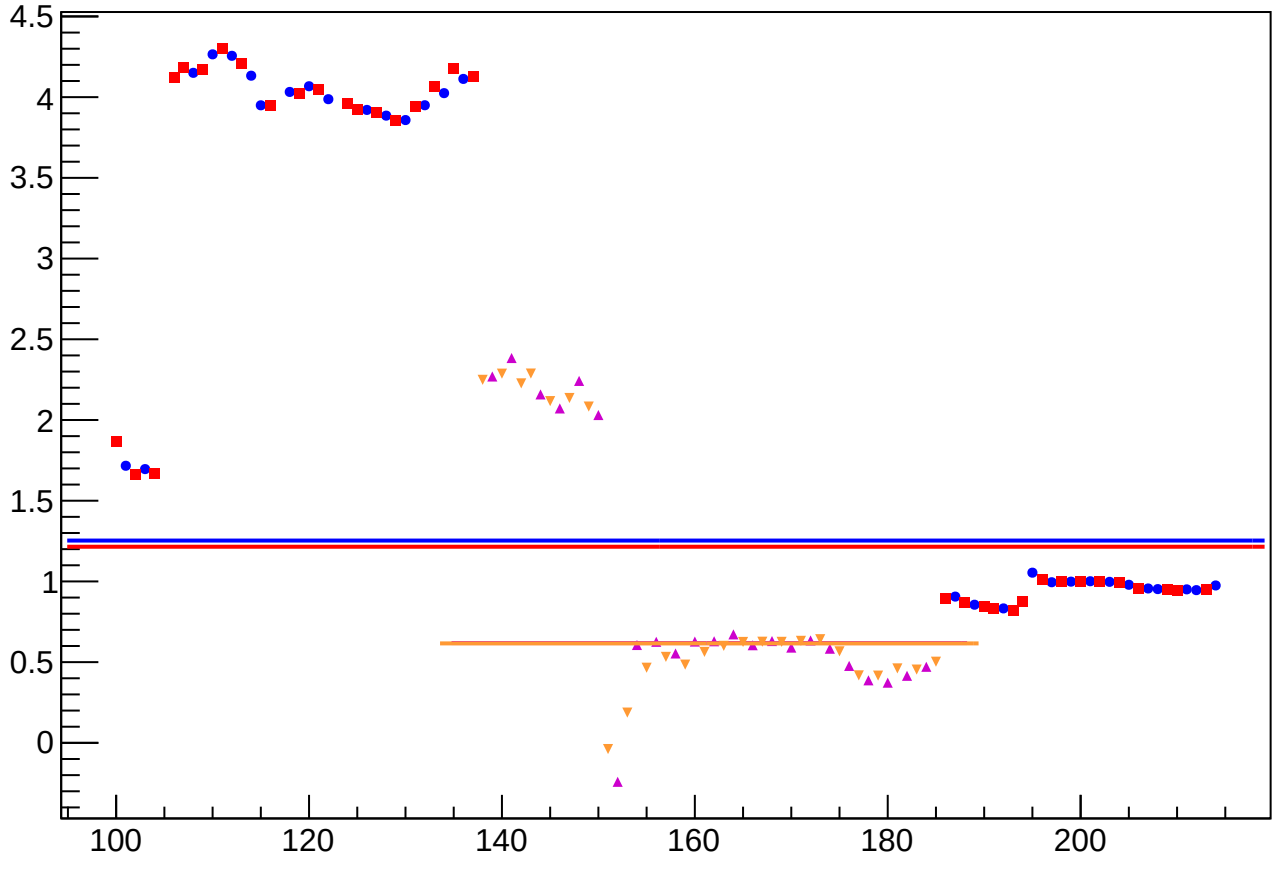
Right: 0.008+/-0.000 χ^2/NDF: 4548773.0/63

In: 0.008+/-0.000 χ^2/NDF:3489742.9/52

Out: 0.008+/-0.000 χ^2/NDF:3553455.2/58

All: 0.008+/-0.000 χ^2/NDF: 7047230.4/111

yield_bpm1i04Y_mean vs Slug, Sign Corrected



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

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

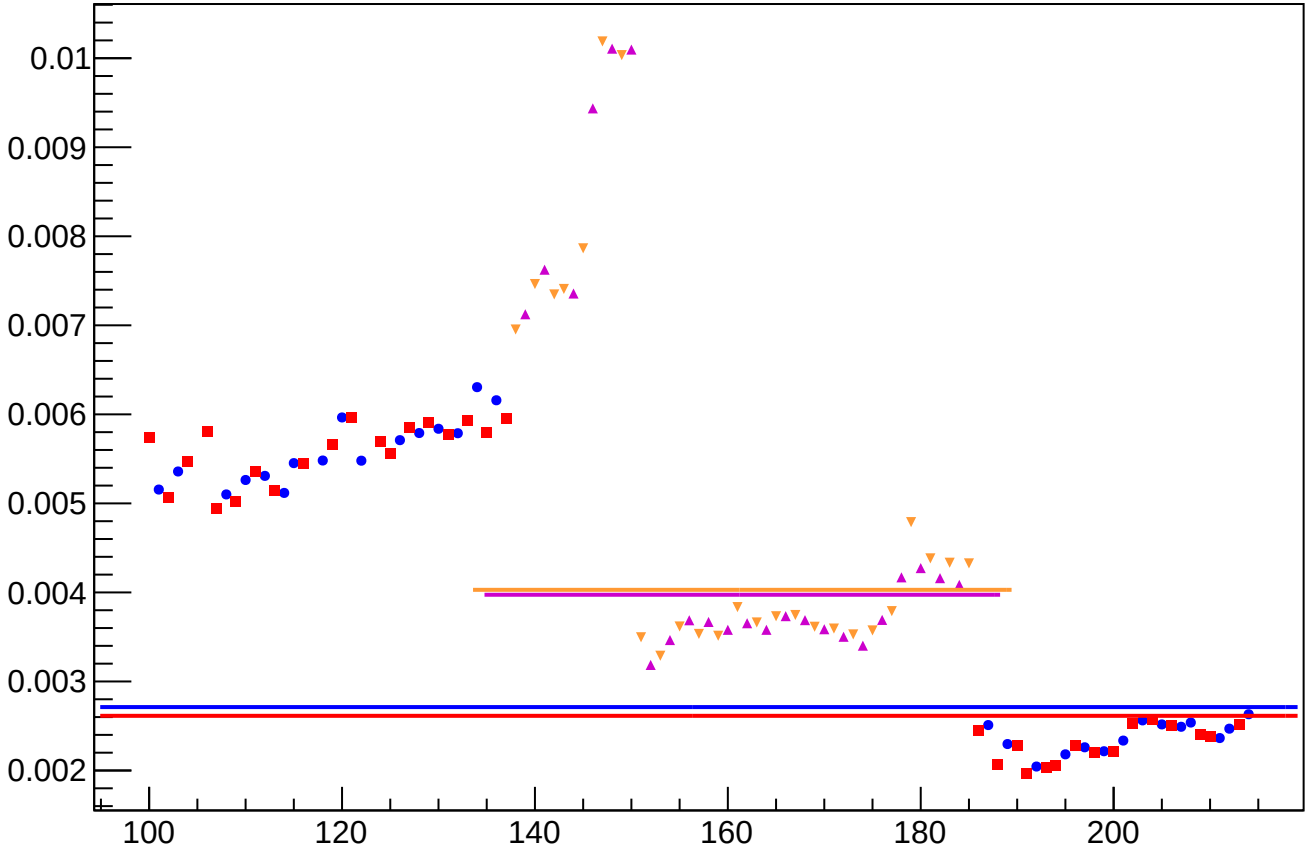
Right: 1.233+/-0.000 χ^2/NDF: 3419661822083.0/63

In: 1.043+/-0.000 χ^2/NDF:2158876540967.2/52

Out: 1.026+/-0.000 χ^2/NDF:2301770917516.2/58

All: 1.034+/-0.000 χ^2/NDF: 4461070590062.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

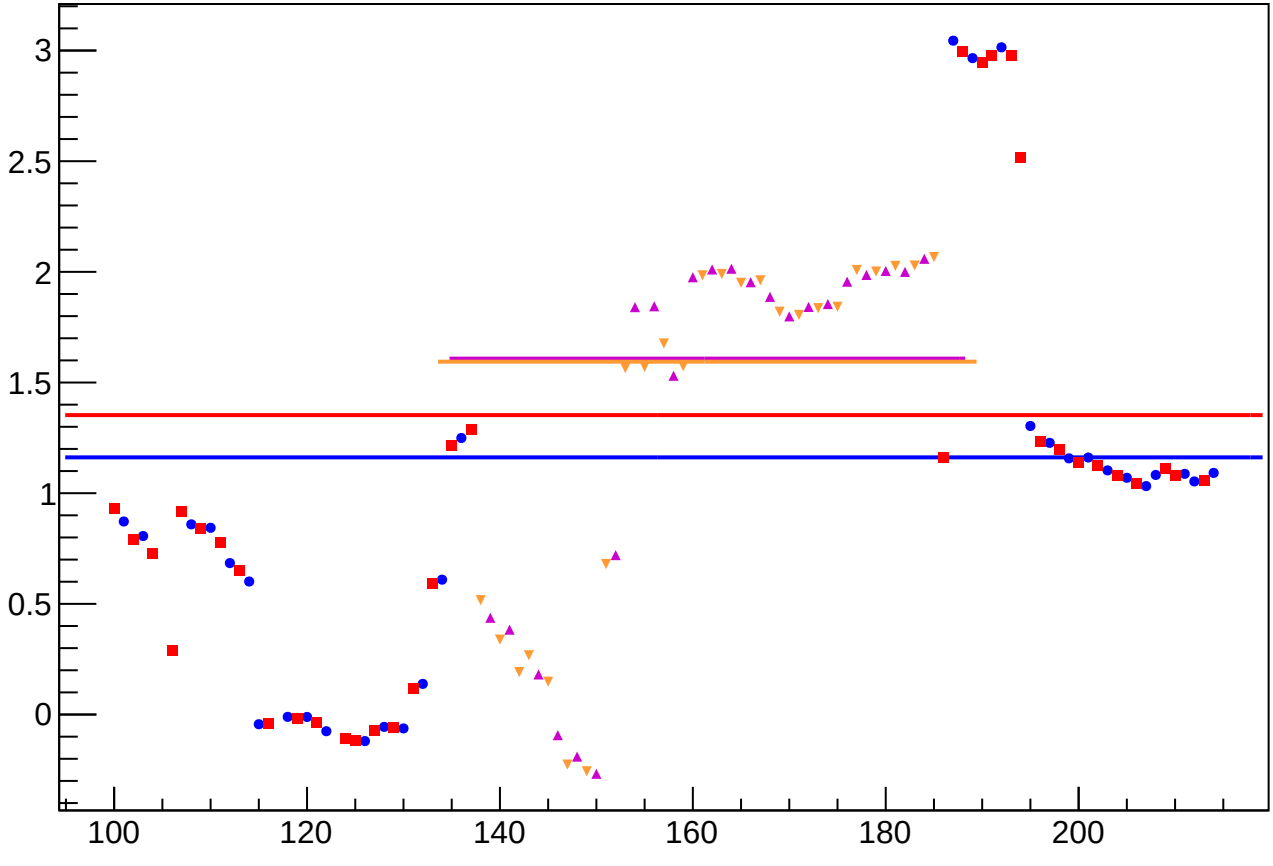
Right: 0.003+/-0.000 χ^2/NDF: 9158663.4/63

In: 0.003+/-0.000 χ^2/NDF:9732495.4/52

Out: 0.003+/-0.000 χ^2/NDF:10577739.1/58

All: 0.003+/-0.000 χ^2/NDF: 20326569.6/111

yield_bpm1i06X_mean vs Slug, Sign Corrected



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

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

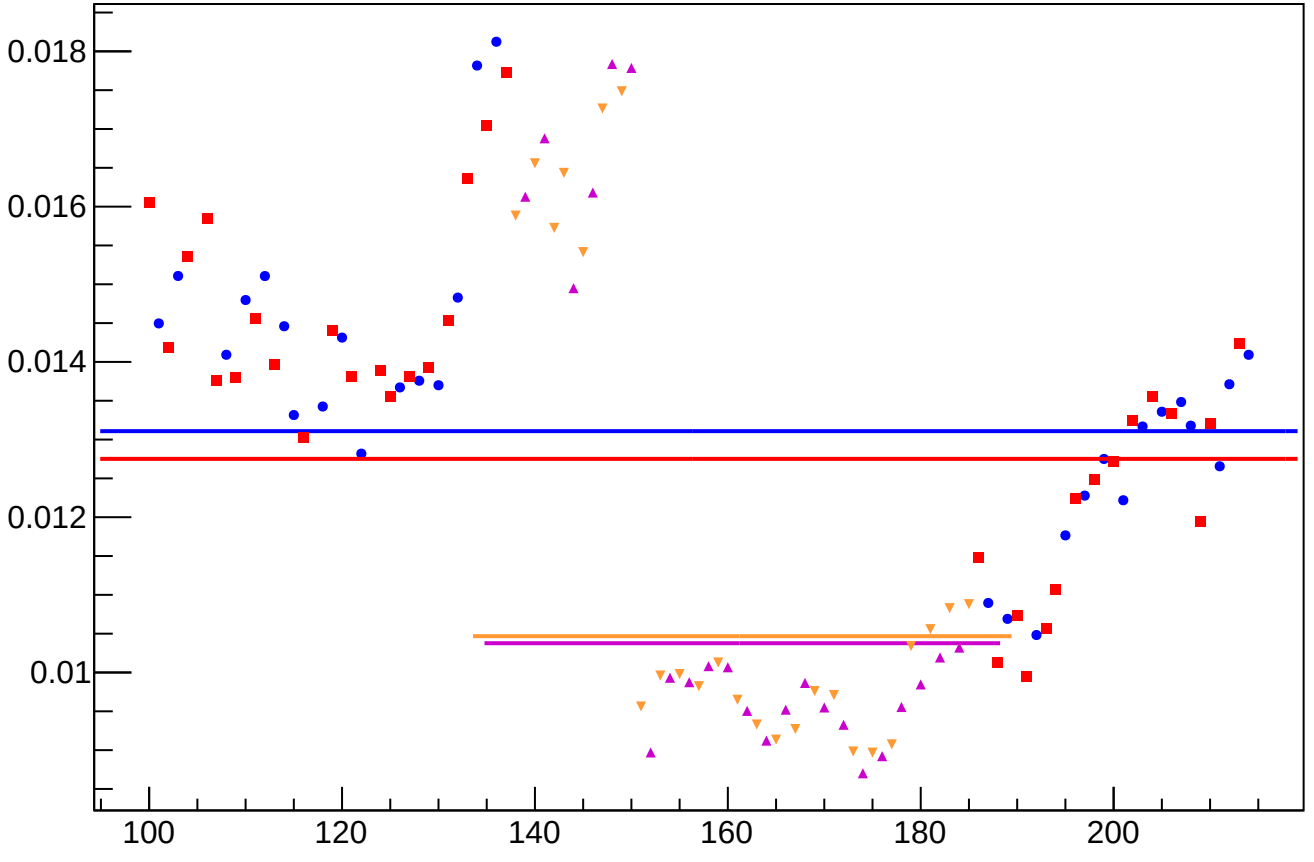
Right: 1.261+/-0.000 χ^2/NDF: 186700812619.6/63

In: 1.433+/-0.000 χ^2/NDF:156825610090.6/52

Out: 1.497+/-0.000 χ^2/NDF:173420315093.2/58

All: 1.466+/-0.000 χ^2/NDF: 330800800421.4

yield_bpm1i06X_rms vs Slug, Sign Corrected



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

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

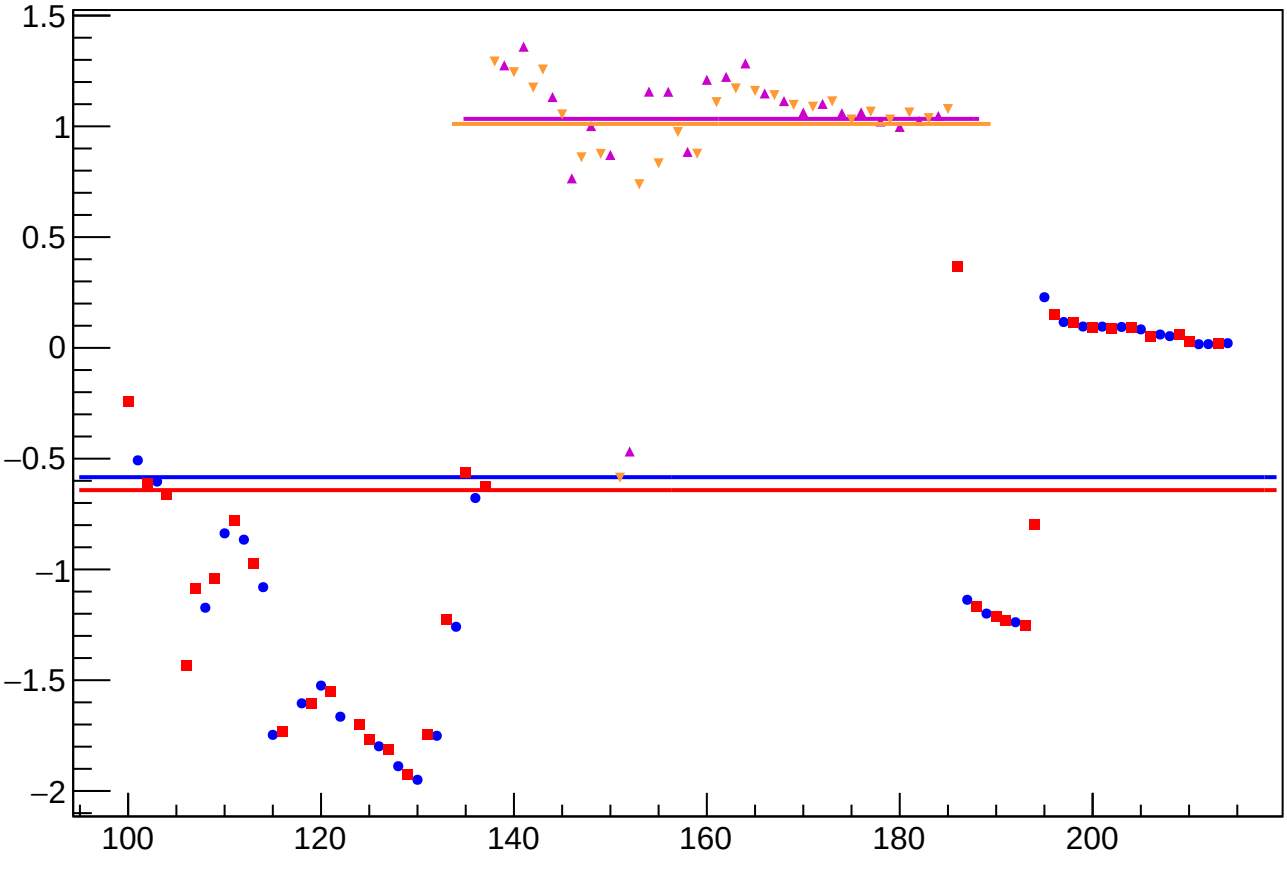
Right: 0.013+/-0.000 χ^2/NDF: 1167813.2/63

In: 0.011+/-0.000 χ^2/NDF:3170889.4/52

Out: 0.011+/-0.000 χ^2/NDF:2998952.0/58

All: 0.011+/-0.000 χ^2/NDF: 6170808.1/111

yield_bpm1i06Y_mean vs Slug, Sign Corrected



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

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

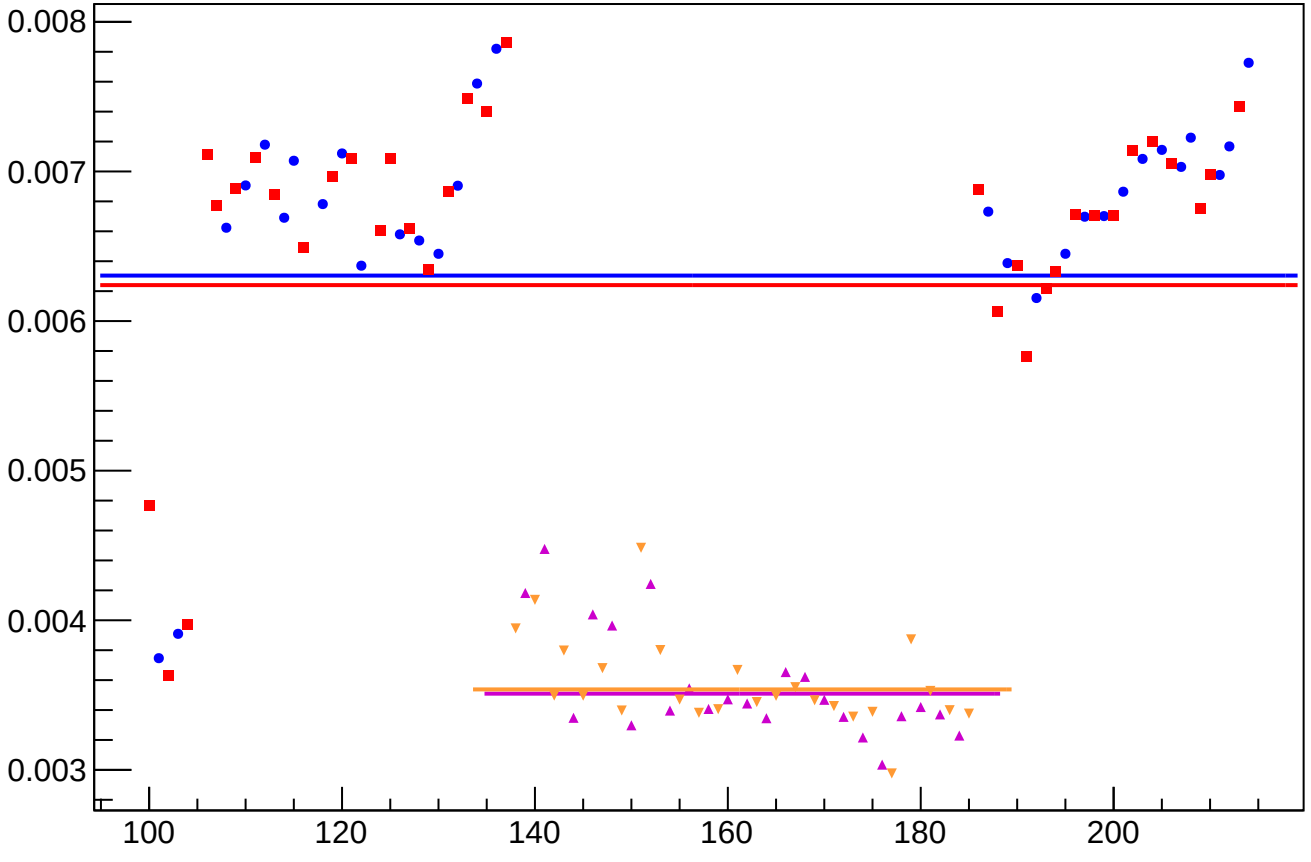
Right: -0.614+/-0.000 χ^2/NDF: 404396087749.3/63

In: 0.646+/-0.000 χ^2/NDF:1176553278950.9/52

Out: 0.611+/-0.000 χ^2/NDF:1234480497769.3/58

All: 0.628+/-0.000 χ^2/NDF: 2412134470932.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

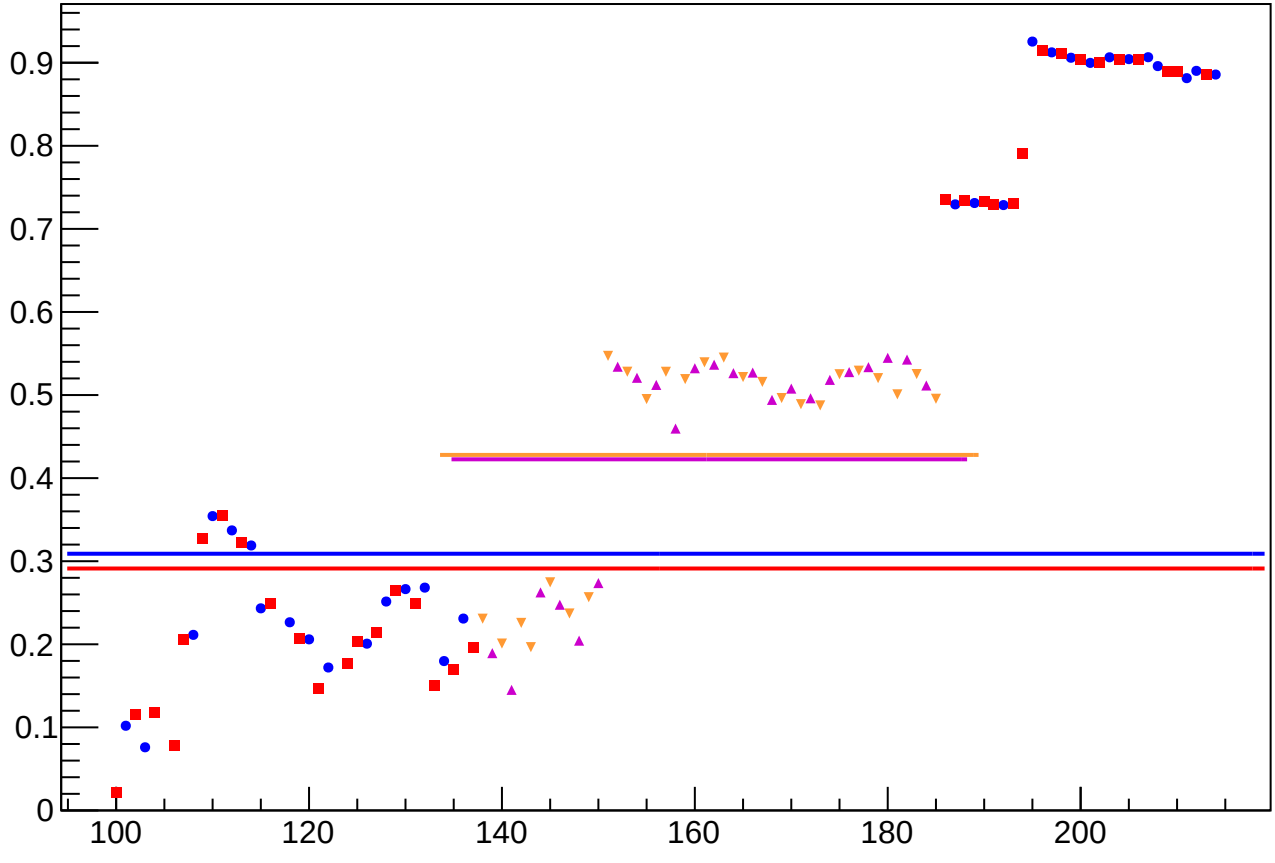
Right: 0.006+/-0.000 χ^2/NDF: 2608889.1/63

In: 0.004+/-0.000 χ^2/NDF:6628747.9/52

Out: 0.004+/-0.000 χ^2/NDF:6473536.7/58

All: 0.004+/-0.000 χ^2/NDF: 13102549.5/111

yield_bpm2i01X_mean vs Slug, Sign Corrected



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

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

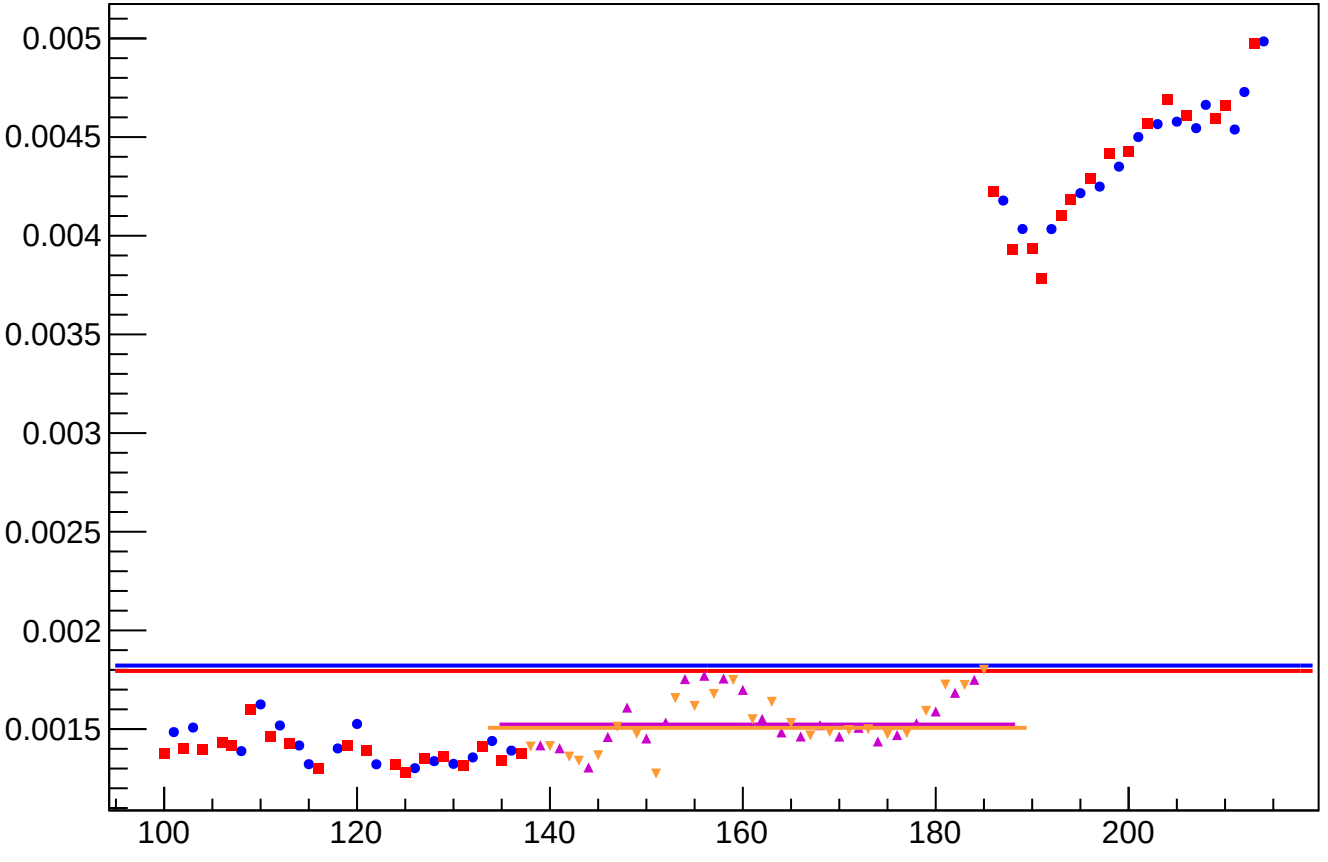
Right: 0.300+/-0.000 χ^2/NDF: 460450949165.4/63

In: 0.384+/-0.000 χ^2/NDF:416348602080.2/52

Out: 0.381+/-0.000 χ^2/NDF:443708806388.0/58

All: 0.382+/-0.000 χ^2/NDF: 860096454996.1

yield_bpm2i01X_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

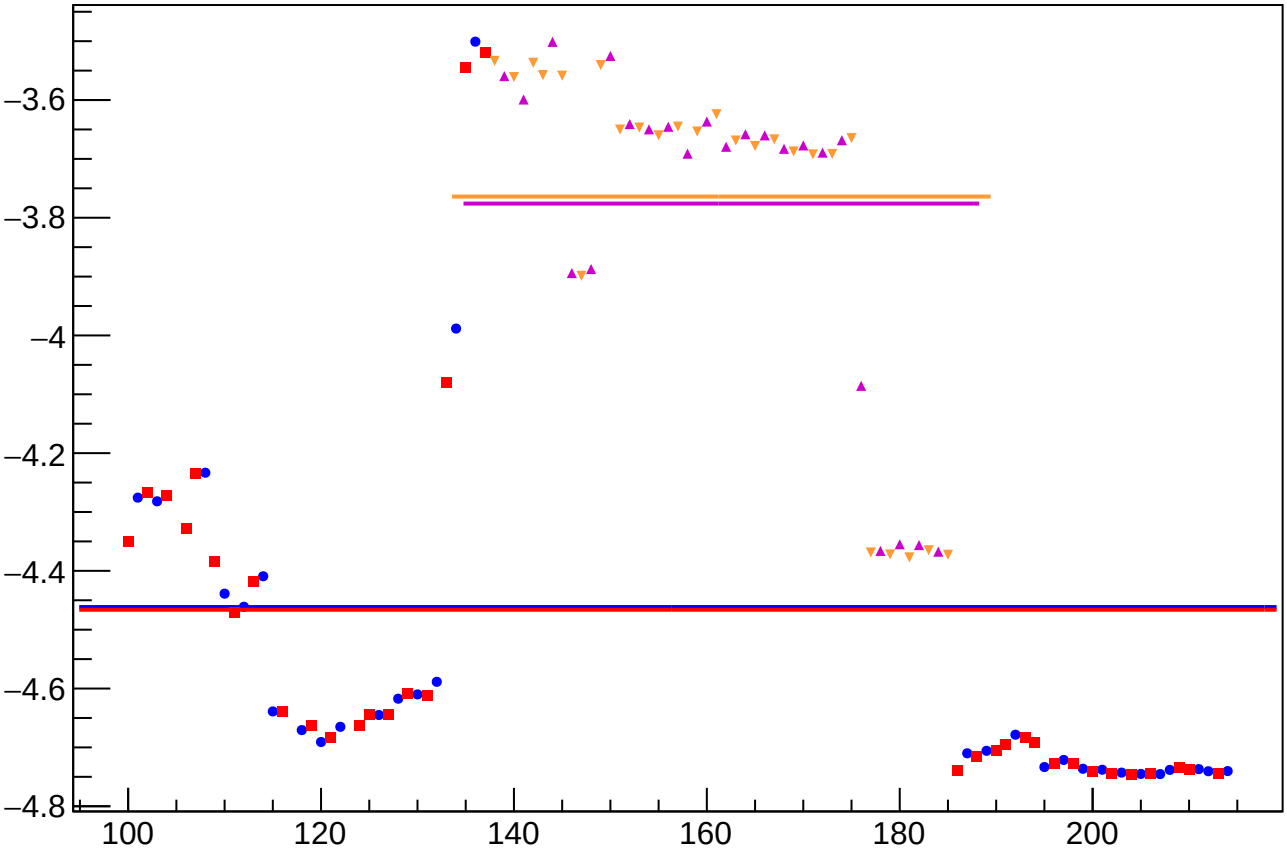
Right: 0.002+/-0.000 χ^2/NDF: 18264663.7/63

In: 0.002+/-0.000 χ^2/NDF:9665767.4/52

Out: 0.002+/-0.000 χ^2/NDF:10066233.6/58

All: 0.002+/-0.000 χ^2/NDF: 19737191.5/111

yield_bpm2i01Y_mean vs Slug, Sign Corrected



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

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

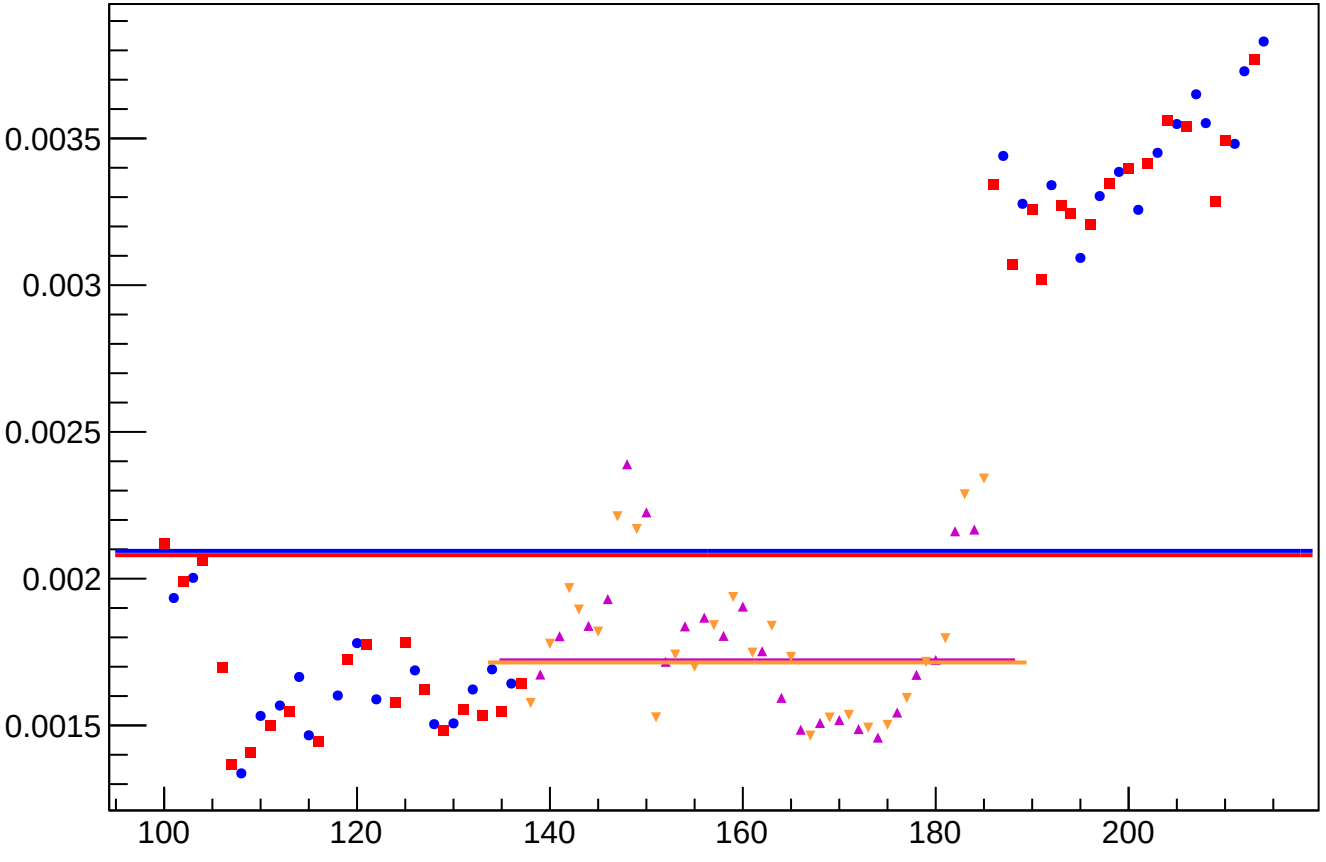
Right: -4.464+/-0.000 χ^2/NDF: 834502865005.2/63

In: -4.032+/-0.000 χ^2/NDF:1889150003132.7/52

Out: -4.026+/-0.000 χ^2/NDF:2035989889326.7/58

All: -4.029+/-0.000 χ^2/NDF: 3925323203083

yield_bpm2i01Y_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

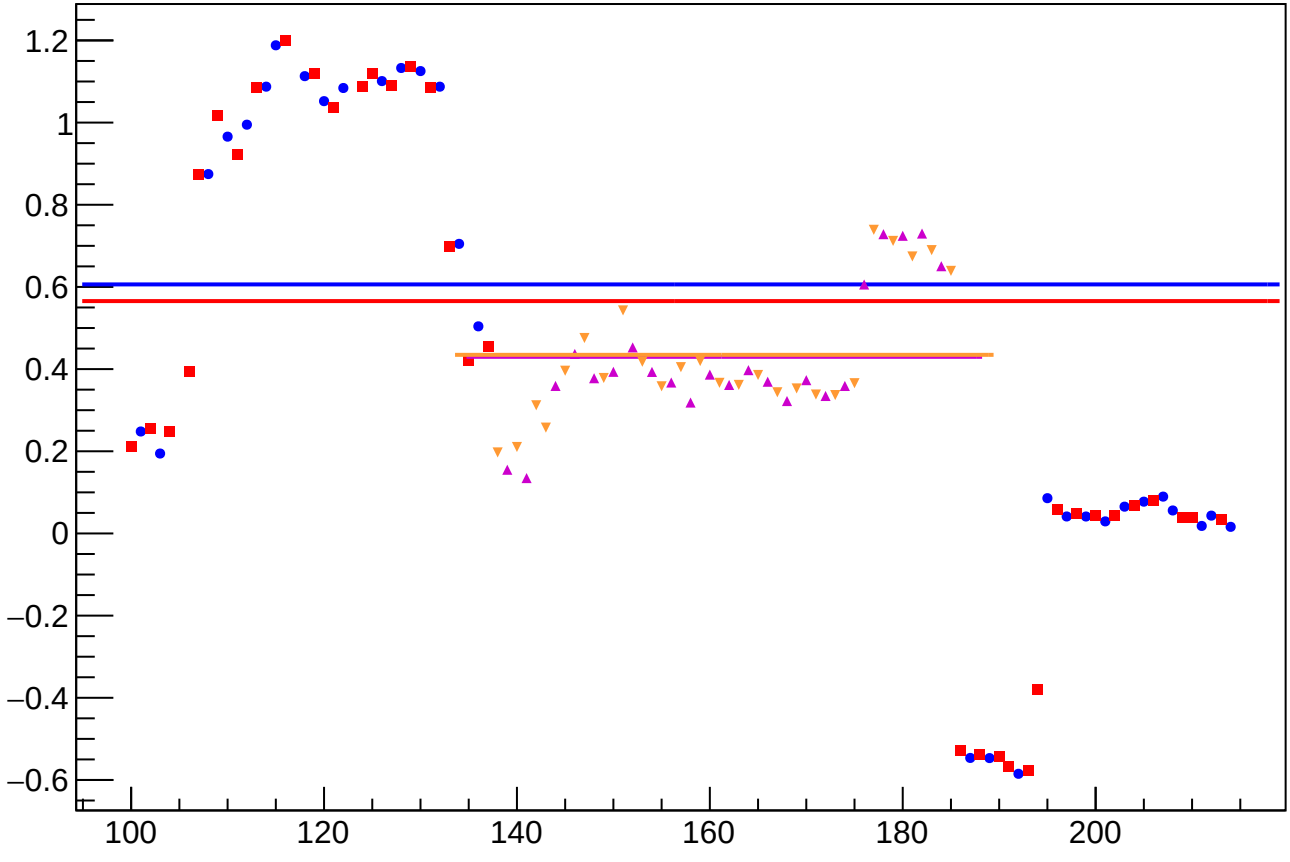
Right: 0.002+/-0.000 χ^2/NDF: 9480571.1/63

In: 0.002+/-0.000 χ^2/NDF:5922970.1/52

Out: 0.002+/-0.000 χ^2/NDF:5948299.7/58

All: 0.002+/-0.000 χ^2/NDF: 11872263.7/111

yield_bpm2i02X_mean vs Slug, Sign Corrected



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

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

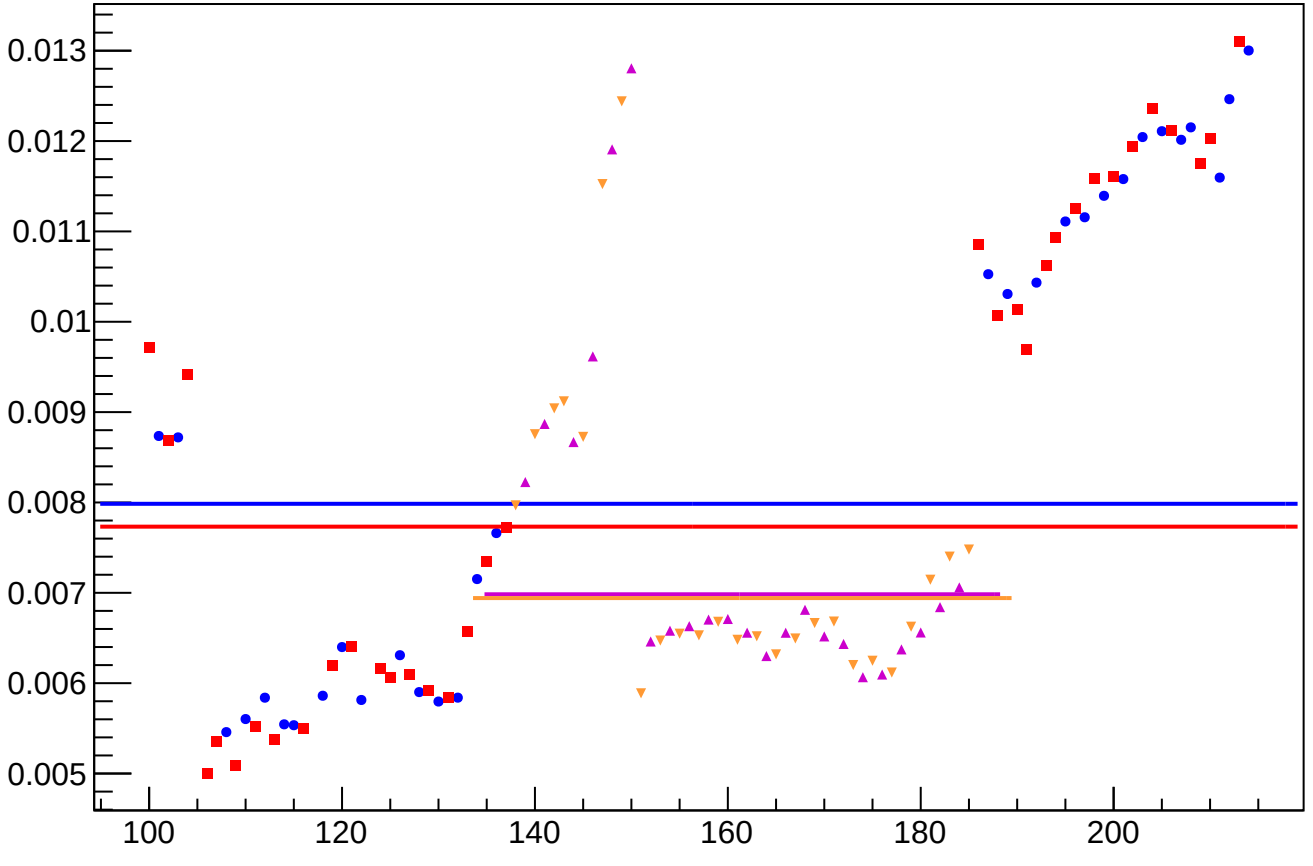
Right: 0.585+/-0.000 χ^2/NDF: 165913678428.4/63

In: 0.503+/-0.000 χ^2/NDF:87557284753.2/52

Out: 0.490+/-0.000 χ^2/NDF:103171808985.4/58

All: 0.496+/-0.000 χ^2/NDF: 190785603593.4

yield_bpm2i02X_rms vs Slug, Sign Corrected



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

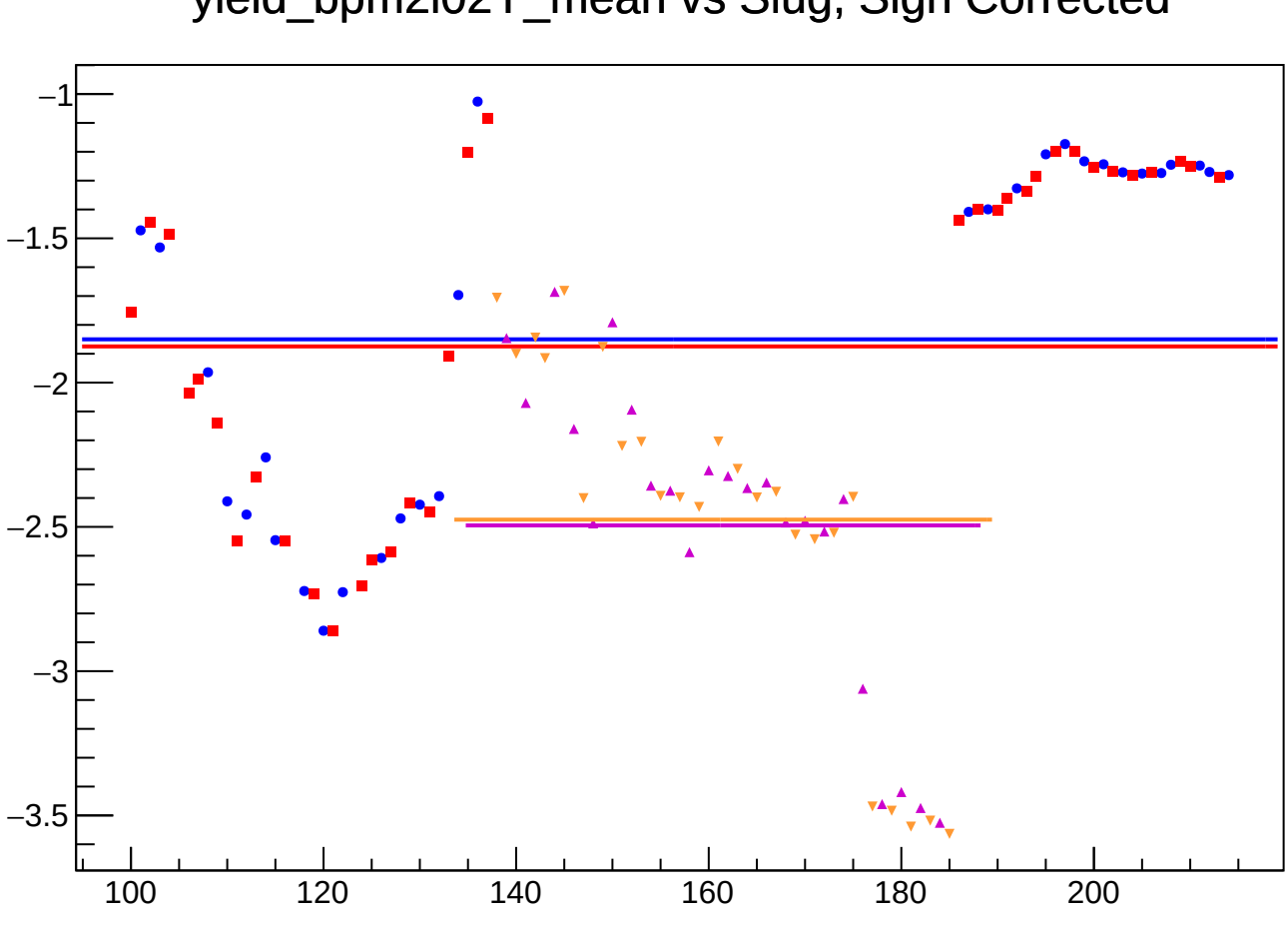
Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

Right: 0.008+/-0.000 χ^2/NDF: 7466424.8/63

In: 0.007+/-0.000 χ^2/NDF:4939345.0/52

Out: 0.007+/-0.000 χ^2/NDF:5244009.4/58

All: 0.007+/-0.000 χ^2/NDF: 10193397.5/111



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

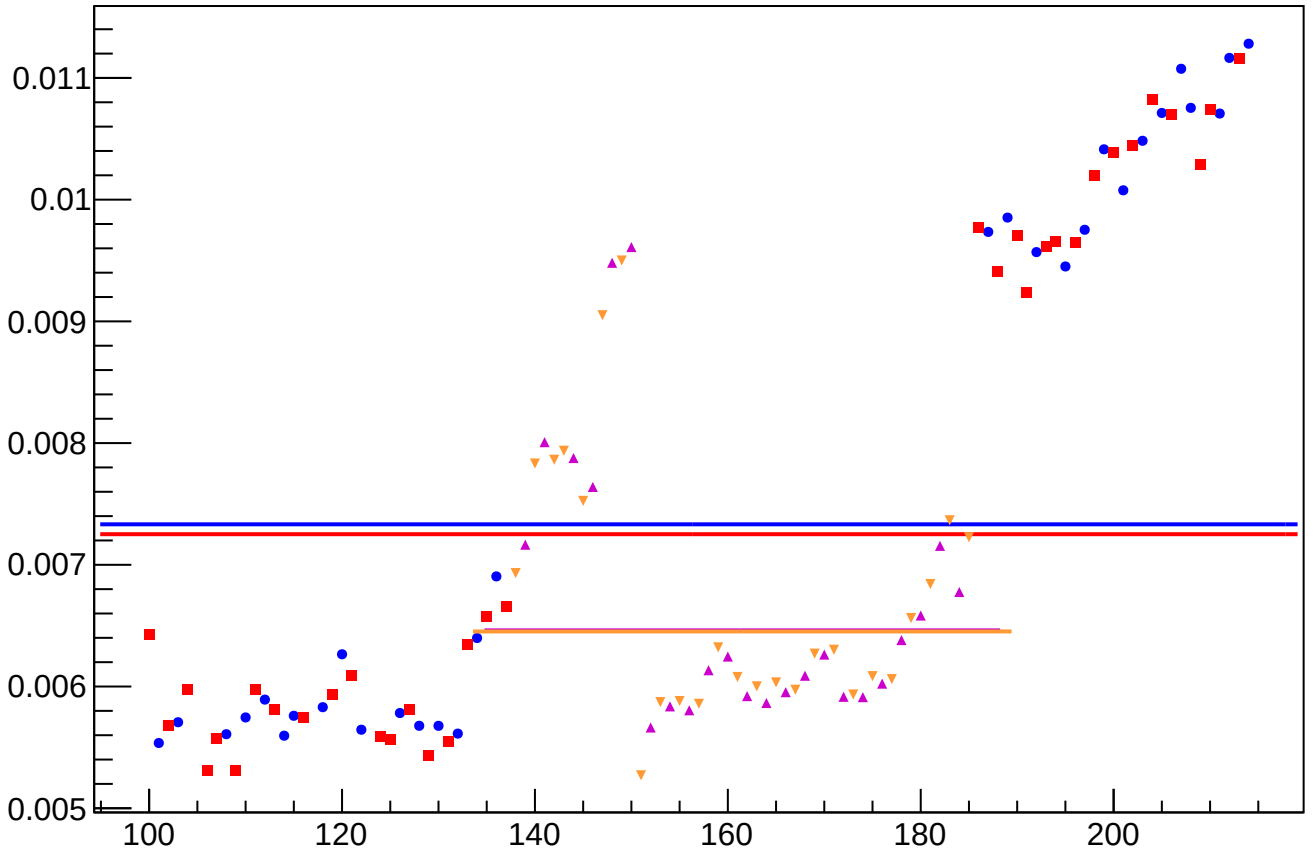
Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

Right: -1.863+/-0.000 χ^2/NDF: 234313025032.1/63

In: -2.223+/-0.000 χ^2/NDF:290658390793.9/52

Out: -2.221+/-0.000 χ^2/NDF:307801152579.2/58

All: -2.222+/-0.000 χ^2/NDF: 598461178000.1



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

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

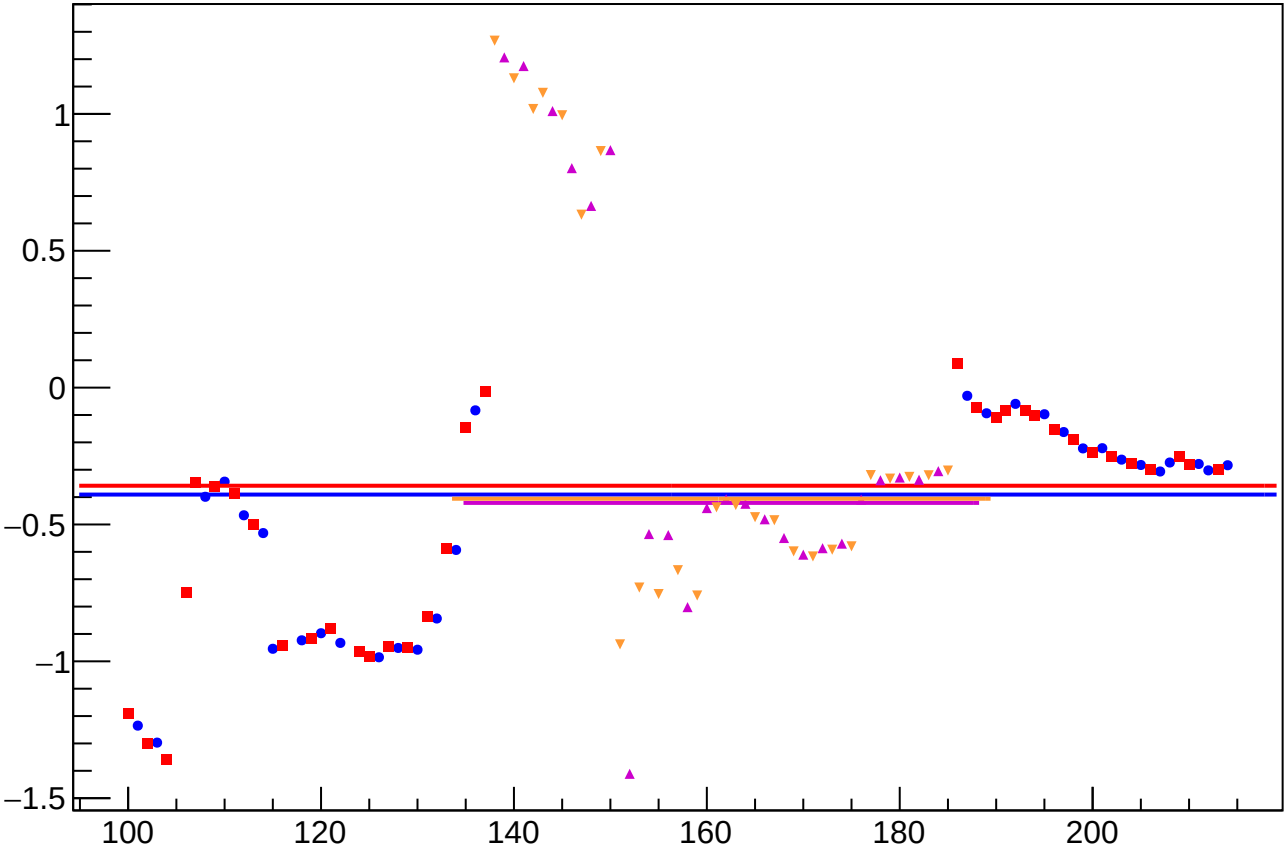
Right: 0.007+/-0.000 χ^2/NDF: 5838972.7/63

In: 0.007+/-0.000 χ^2/NDF:3901453.2/52

Out: 0.007+/-0.000 χ^2/NDF:3889462.0/58

All: 0.007+/-0.000 χ^2/NDF: 7792029.0/111

yield_bpm0i01X_mean vs Slug, Sign Corrected



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

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

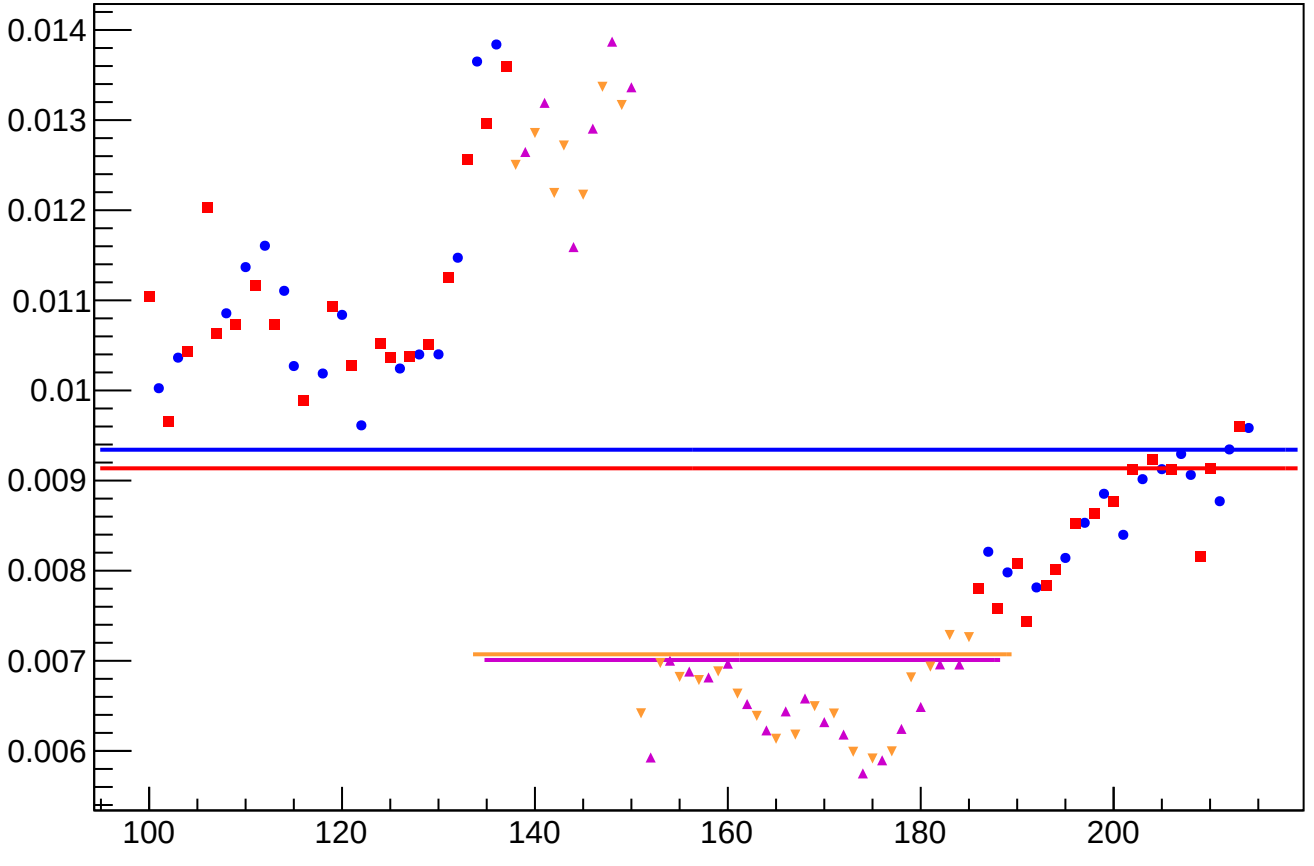
Right: -0.374+/-0.000 χ^2/NDF: 52005847061.9/63

In: -0.410+/-0.000 χ^2/NDF:114946099823.8/52

Out: -0.388+/-0.000 χ^2/NDF:109248993056.7/58

All: -0.399+/-0.000 χ^2/NDF: 224330063338.3

yield_bpm0i01X_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

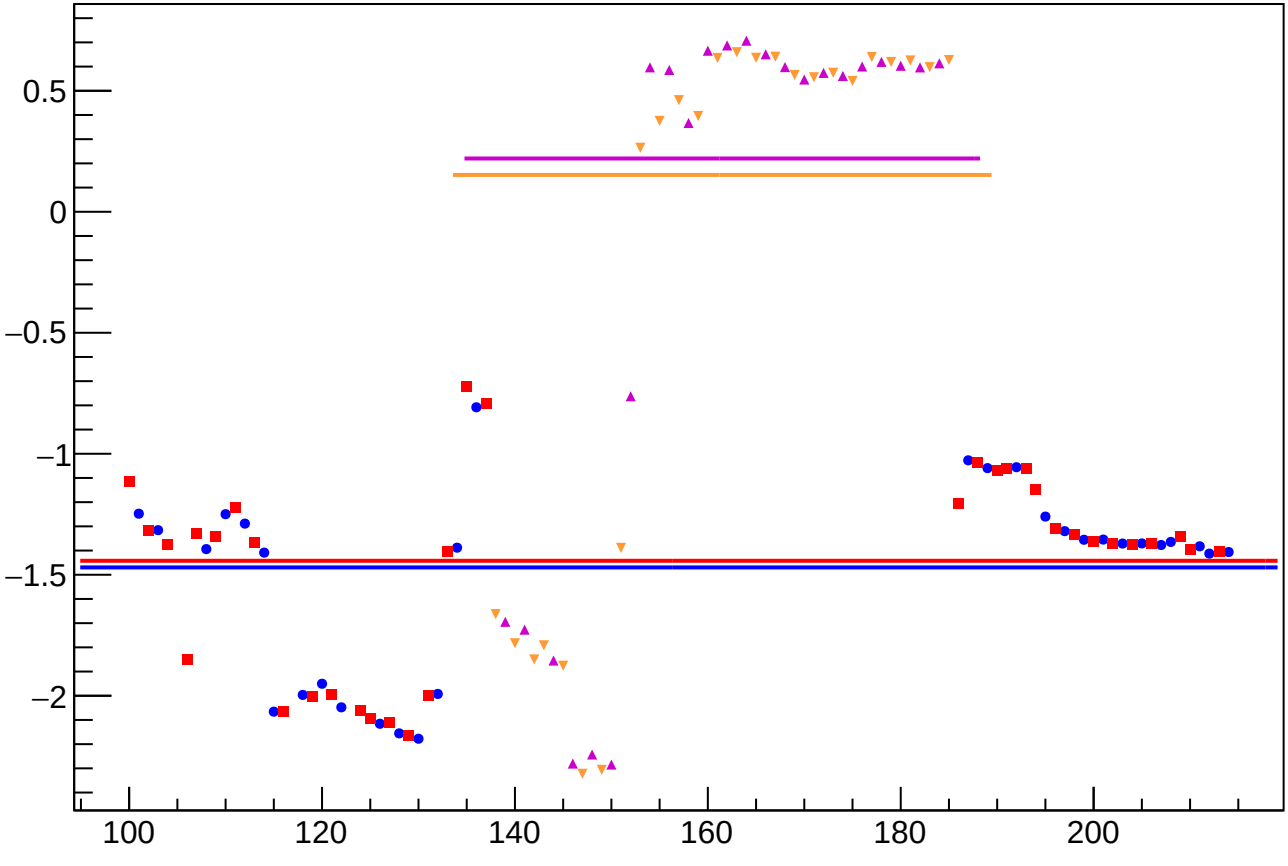
Right: 0.009+/-0.000 χ^2/NDF: 1349617.7/63

In: 0.008+/-0.000 χ^2/NDF:4477728.0/52

Out: 0.008+/-0.000 χ^2/NDF:4242055.2/58

All: 0.008+/-0.000 χ^2/NDF: 8719991.7/111

yield_bpm0i01Y_mean vs Slug, Sign Corrected



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

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

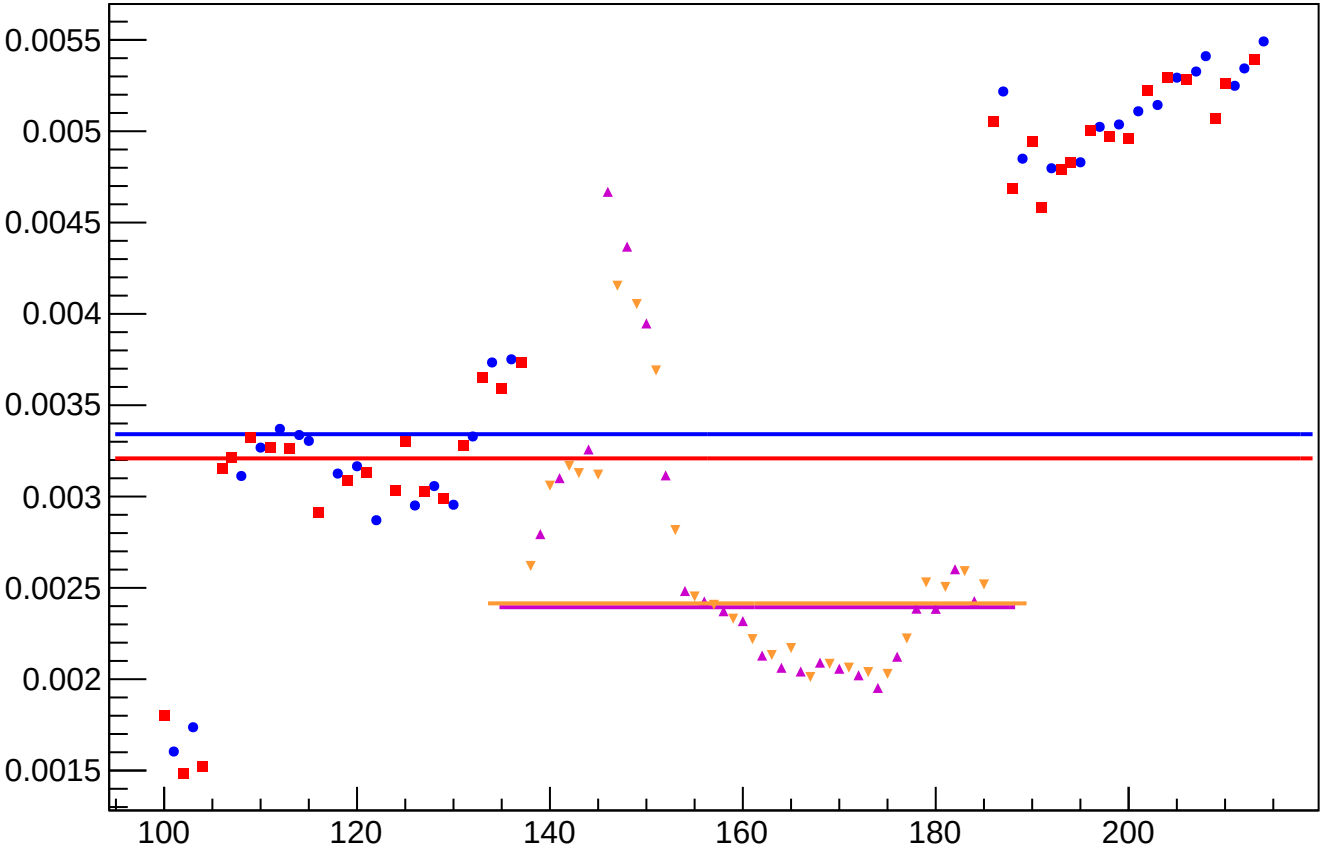
Right: -1.455+/-0.000 χ^2/NDF: 357020741866.7/63

In: -0.327+/-0.000 χ^2/NDF:4885394126440.7/52

Out: -0.379+/-0.000 χ^2/NDF:5049299541596.8/58

All: -0.354+/-0.000 χ^2/NDF: 9940331625072

yield_bpm0i01Y_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

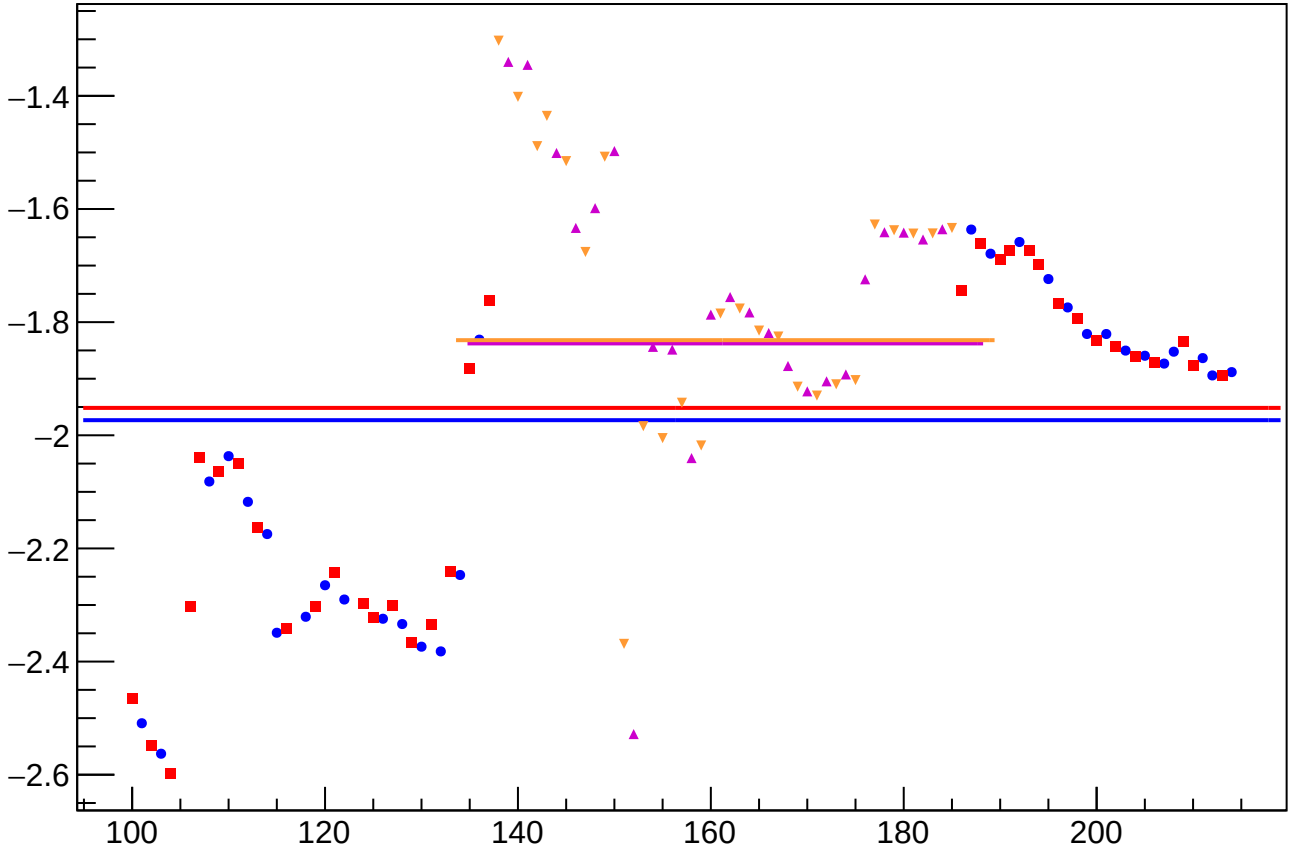
Right: 0.003+/-0.000 χ^2/NDF: 10834180.4/63

In: 0.003+/-0.000 χ^2/NDF:8016262.6/52

Out: 0.003+/-0.000 χ^2/NDF:8272835.8/58

All: 0.003+/-0.000 χ^2/NDF: 16291057.6/111

yield_bpm0i01aX_mean vs Slug, Sign Corrected



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

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

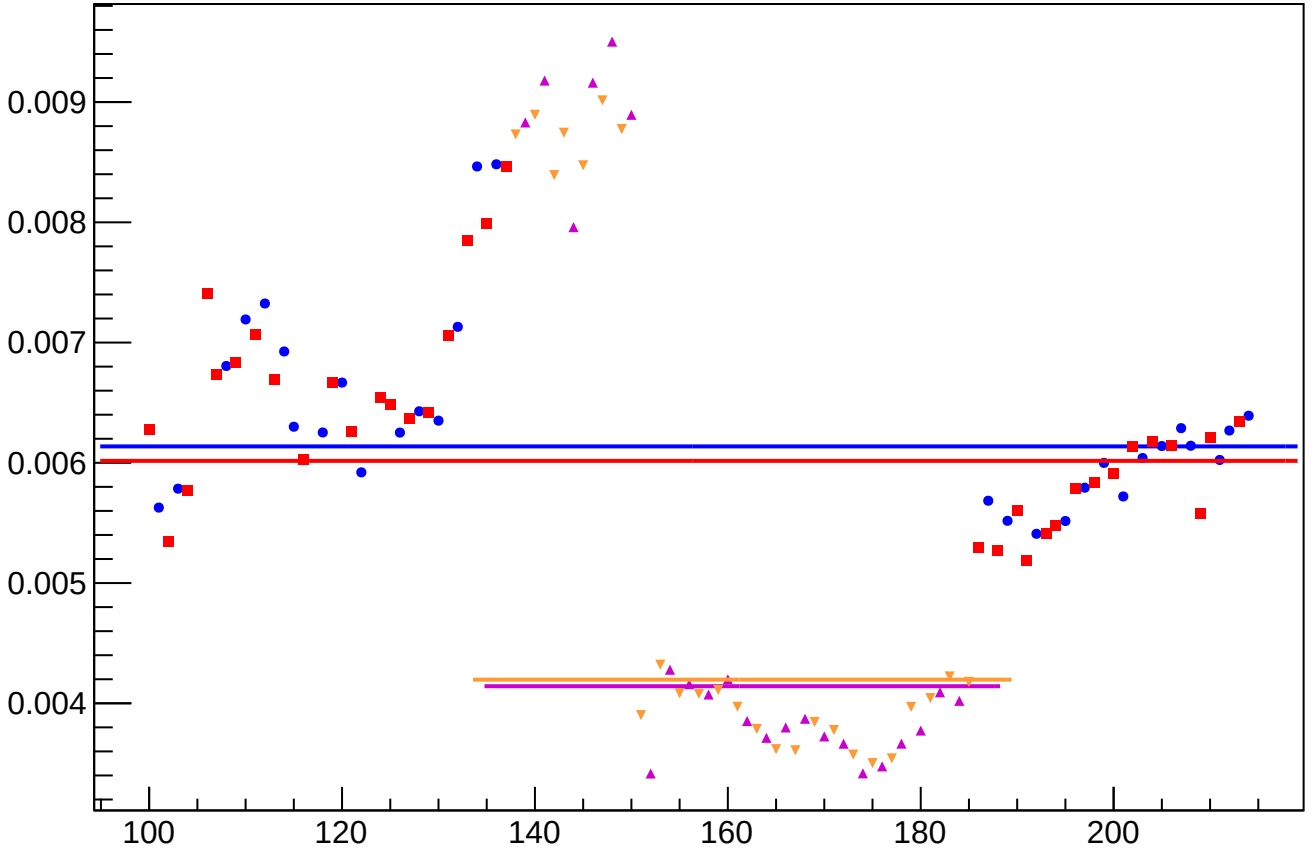
Right: -1.962+/-0.000 χ^2/NDF: 72119017270.2/63

In: -1.883+/-0.000 χ^2/NDF:93215572934.8/52

Out: -1.873+/-0.000 χ^2/NDF:81133170596.0/58

All: -1.878+/-0.000 χ^2/NDF: 174421492727.8

yield_bpm0i01aX_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

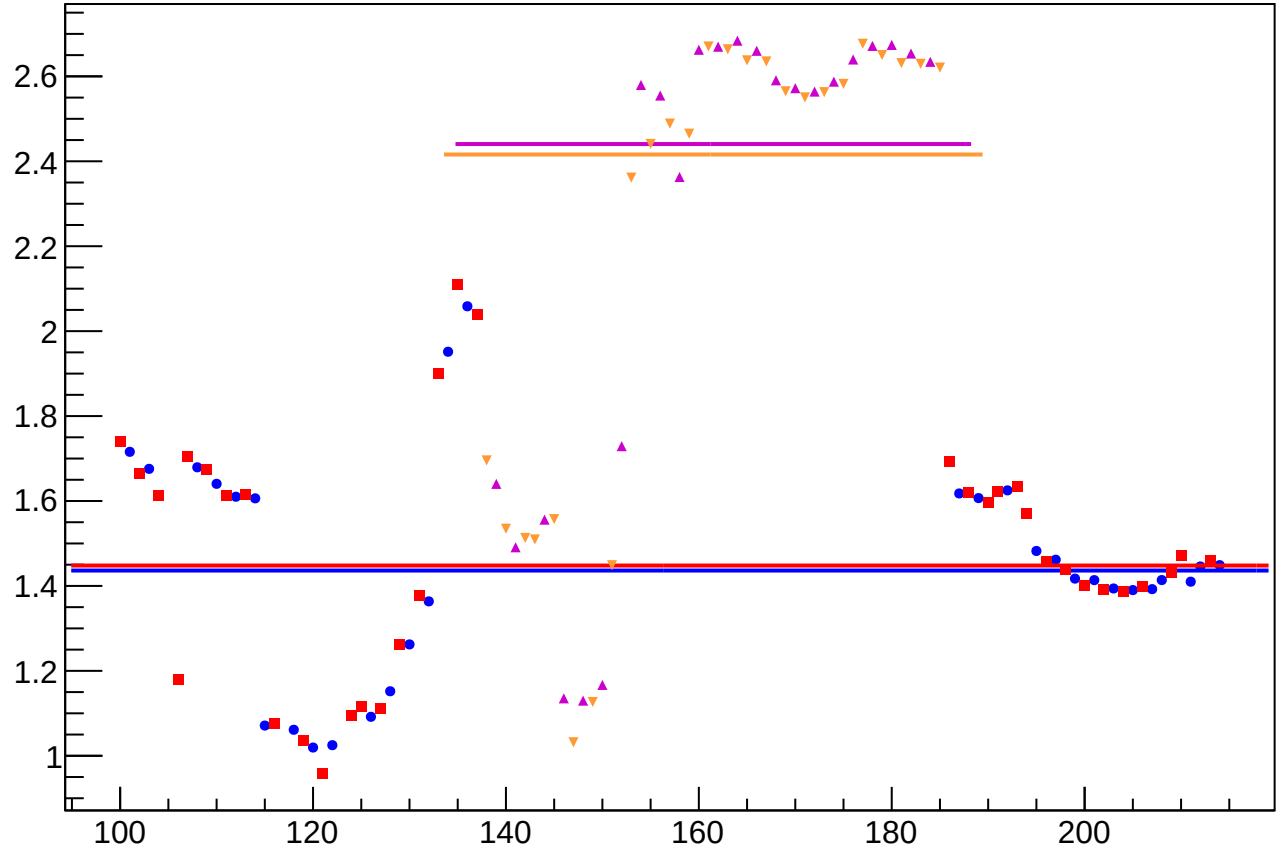
Right: 0.006+/-0.000 χ^2/NDF: 774804.4/63

In: 0.005+/-0.000 χ^2/NDF:6057026.2/52

Out: 0.005+/-0.000 χ^2/NDF:5694053.3/58

All: 0.005+/-0.000 χ^2/NDF: 11751283.0/111

yield_bpm0i01aY_mean vs Slug, Sign Corrected



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

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

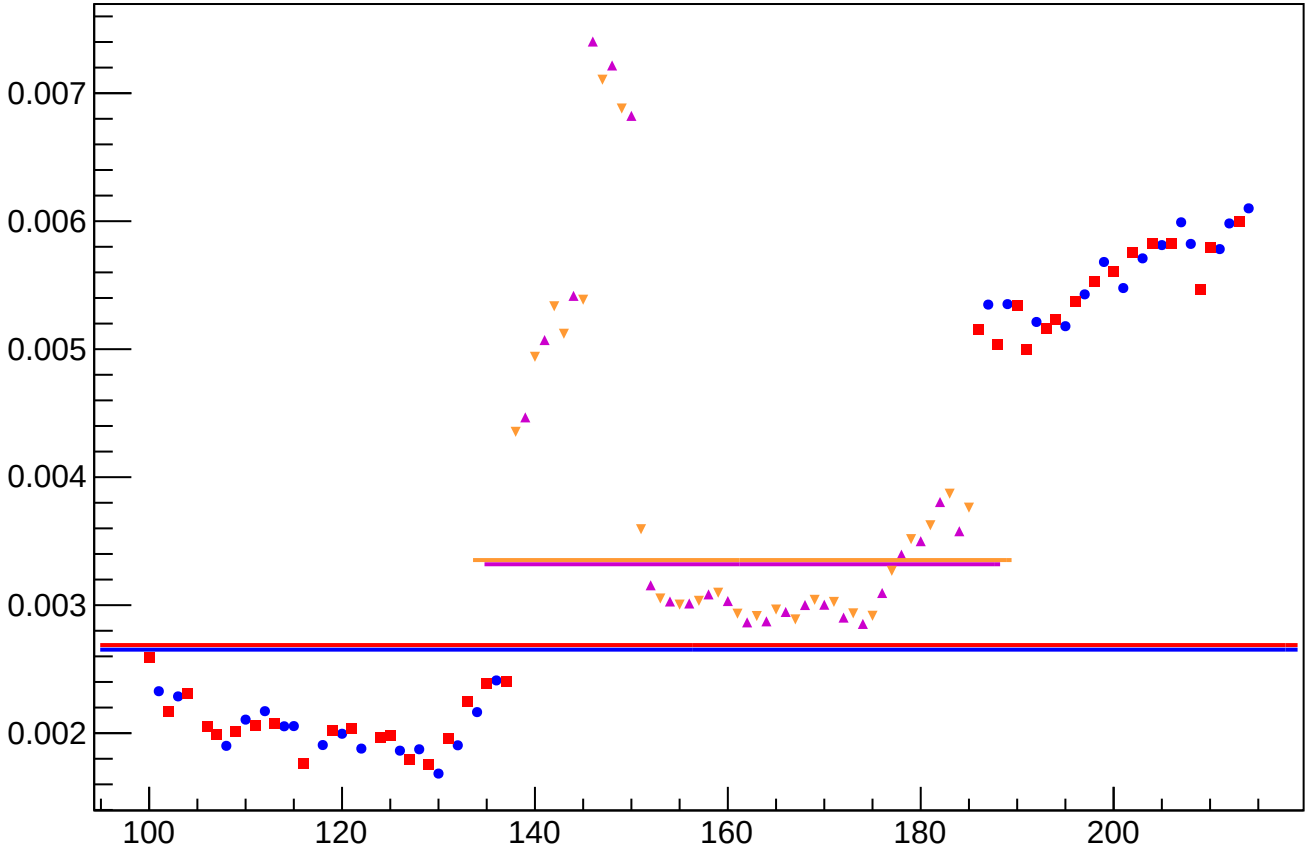
Right: 1.442+/-0.000 χ^2/NDF: 378295409922.4/63

In: 1.867+/-0.000 χ^2/NDF:1276677391771.1/52

Out: 1.870+/-0.000 χ^2/NDF:1250425592910.9/58

All: 1.869+/-0.000 χ^2/NDF: 2527113903457.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

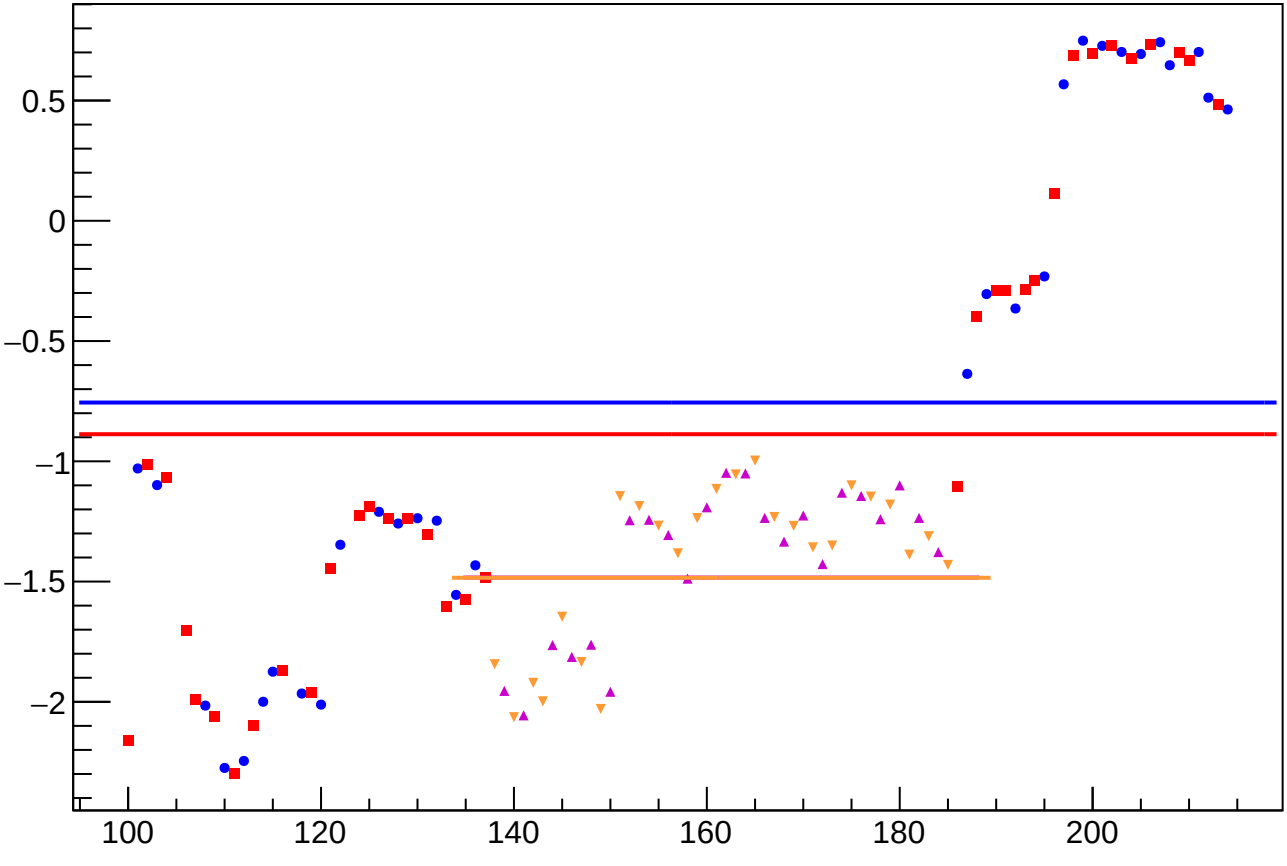
Right: 0.003+/-0.000 χ^2/NDF: 15138457.1/63

In: 0.003+/-0.000 χ^2/NDF:10432753.8/52

Out: 0.003+/-0.000 χ^2/NDF:10104286.6/58

All: 0.003+/-0.000 χ^2/NDF: 20542325.9/111

yield_bpm0l01X_mean vs Slug, Sign Corrected



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

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

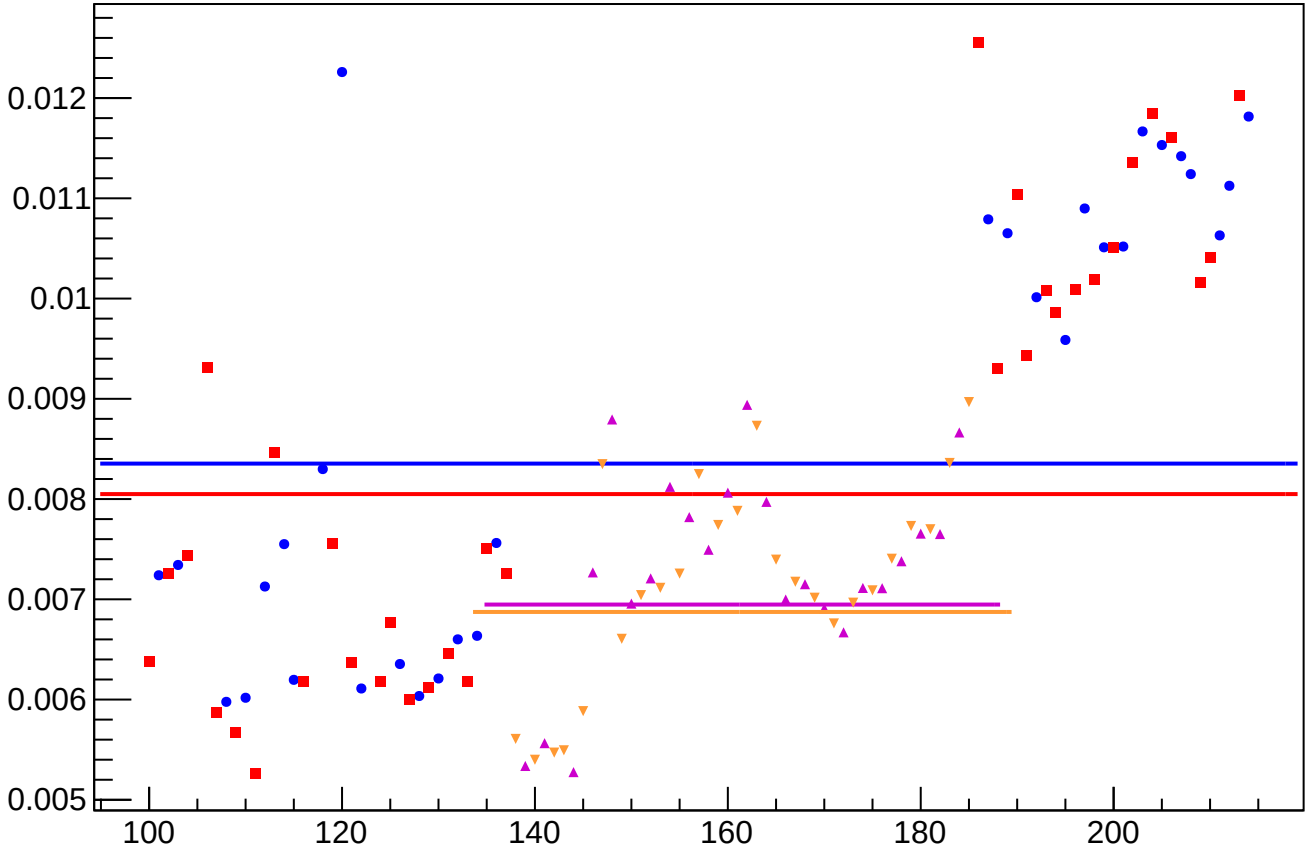
Right: -0.825+/-0.000 χ^2/NDF: 512917676831.9/63

In: -1.193+/-0.000 χ^2/NDF:355076332477.6/52

Out: -1.241+/-0.000 χ^2/NDF:374349797556.1/58

All: -1.219+/-0.000 χ^2/NDF: 730134328576.0

yield_bpm0l01X_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

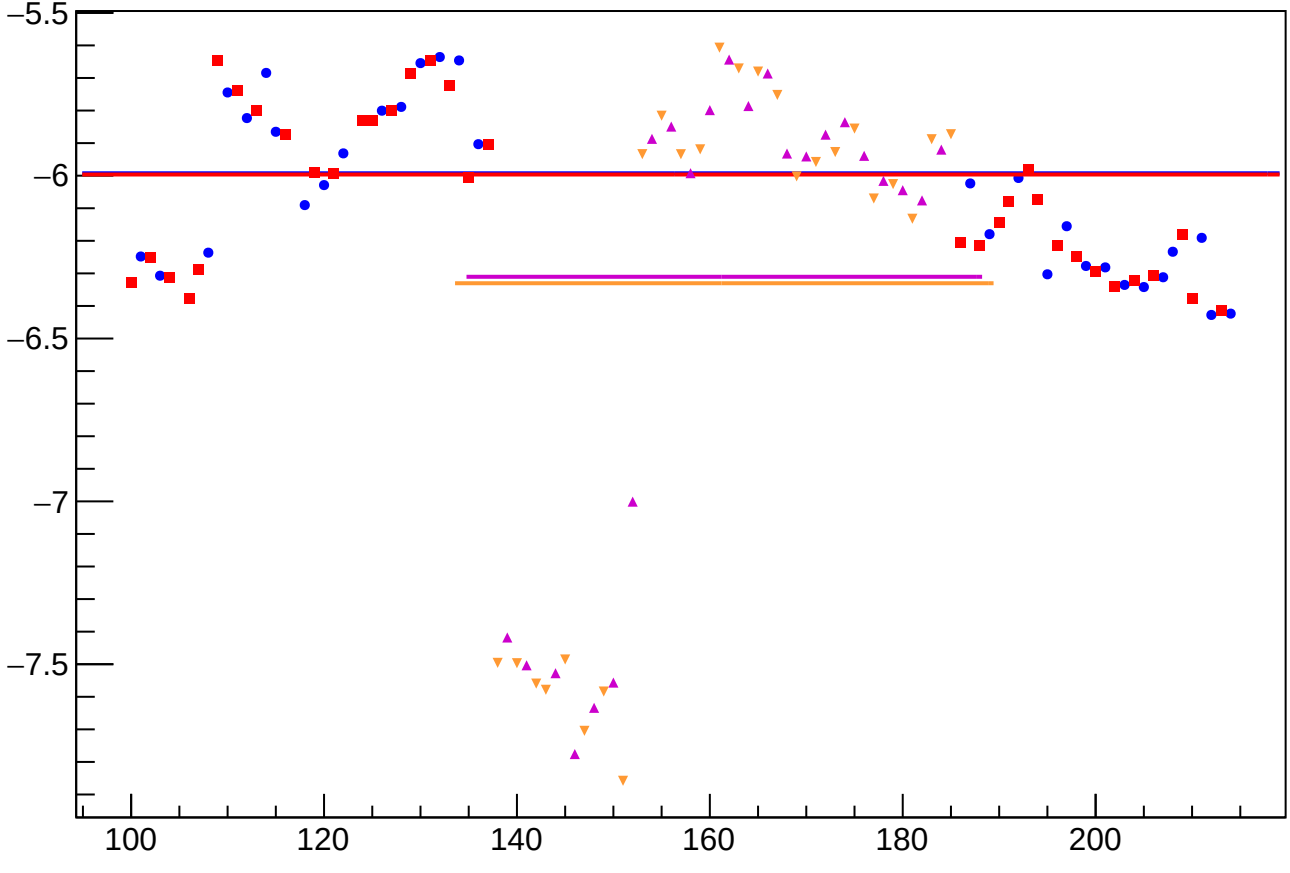
Right: 0.008+/-0.000 χ^2/NDF: 4551755.0/63

In: 0.008+/-0.000 χ^2/NDF:3444562.3/52

Out: 0.007+/-0.000 χ^2/NDF:3562557.4/58

All: 0.007+/-0.000 χ^2/NDF: 7022021.0/111

yield_bpm0l01Y_mean vs Slug, Sign Corrected



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

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

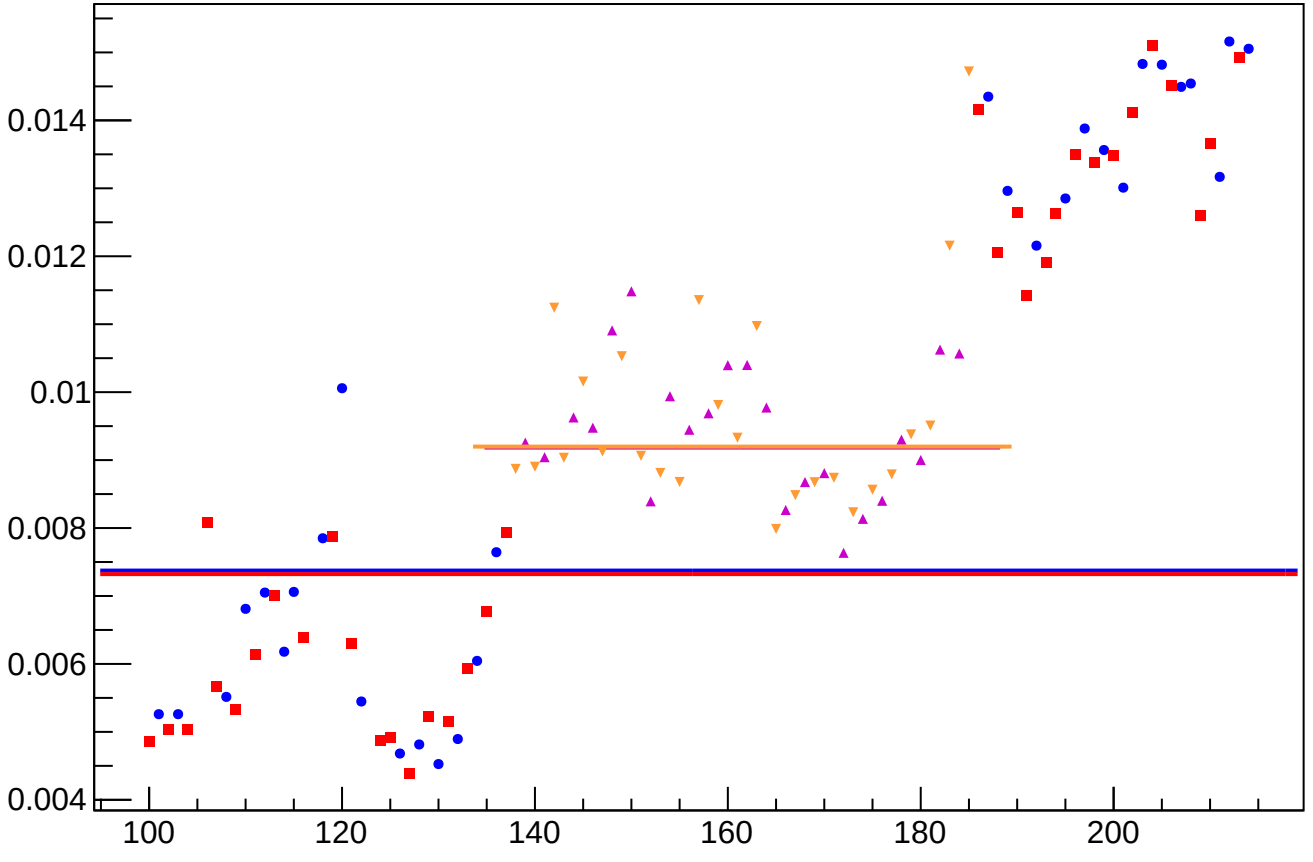
Right: -5.995+/-0.000 χ^2/NDF: 35183531338.9/63

In: -6.125+/-0.000 χ^2/NDF:119783105969.9/52

Out: -6.134+/-0.000 χ^2/NDF:140665532434.3/58

All: -6.130+/-0.000 χ^2/NDF: 260463784283.3

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6486392.4/29

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 6266328.2/33

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

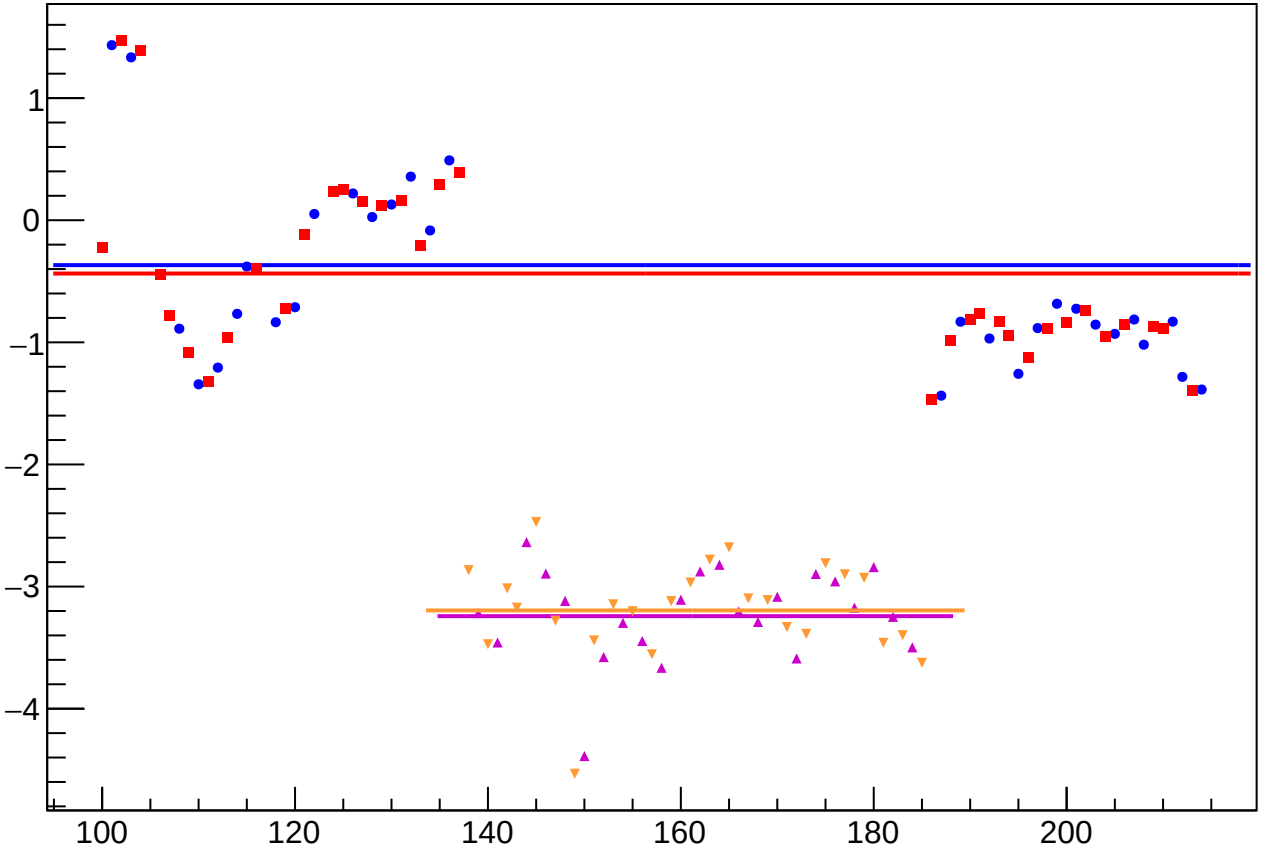
Right: 0.007+/-0.000 χ^2/NDF: 12753440.1/63

In: 0.008+/-0.000 χ^2/NDF:7502057.8/52

Out: 0.008+/-0.000 χ^2/NDF:7424542.8/58

All: 0.008+/-0.000 χ^2/NDF: 14927222.1/111

yield_bpm0l02X_mean vs Slug, Sign Corrected



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

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

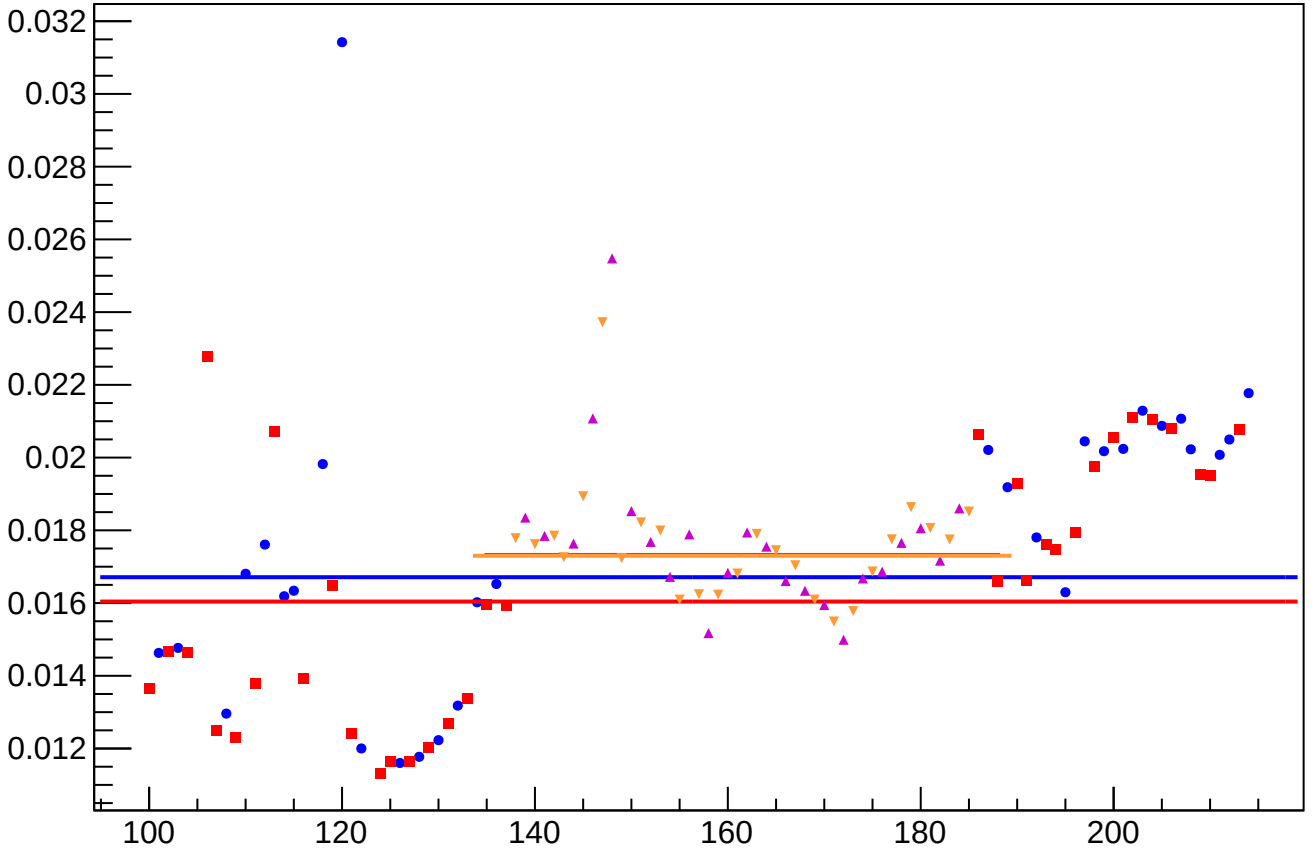
Right: -0.404+/-0.000 χ^2/NDF: 76896655416.0/63

In: -1.792+/-0.000 χ^2/NDF:289915851317.1/52

Out: -1.755+/-0.000 χ^2/NDF:294451883010.7/58

All: -1.773+/-0.000 χ^2/NDF: 584456261567.8

yield_bpm0l02X_rms vs Slug, Sign Corrected



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

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

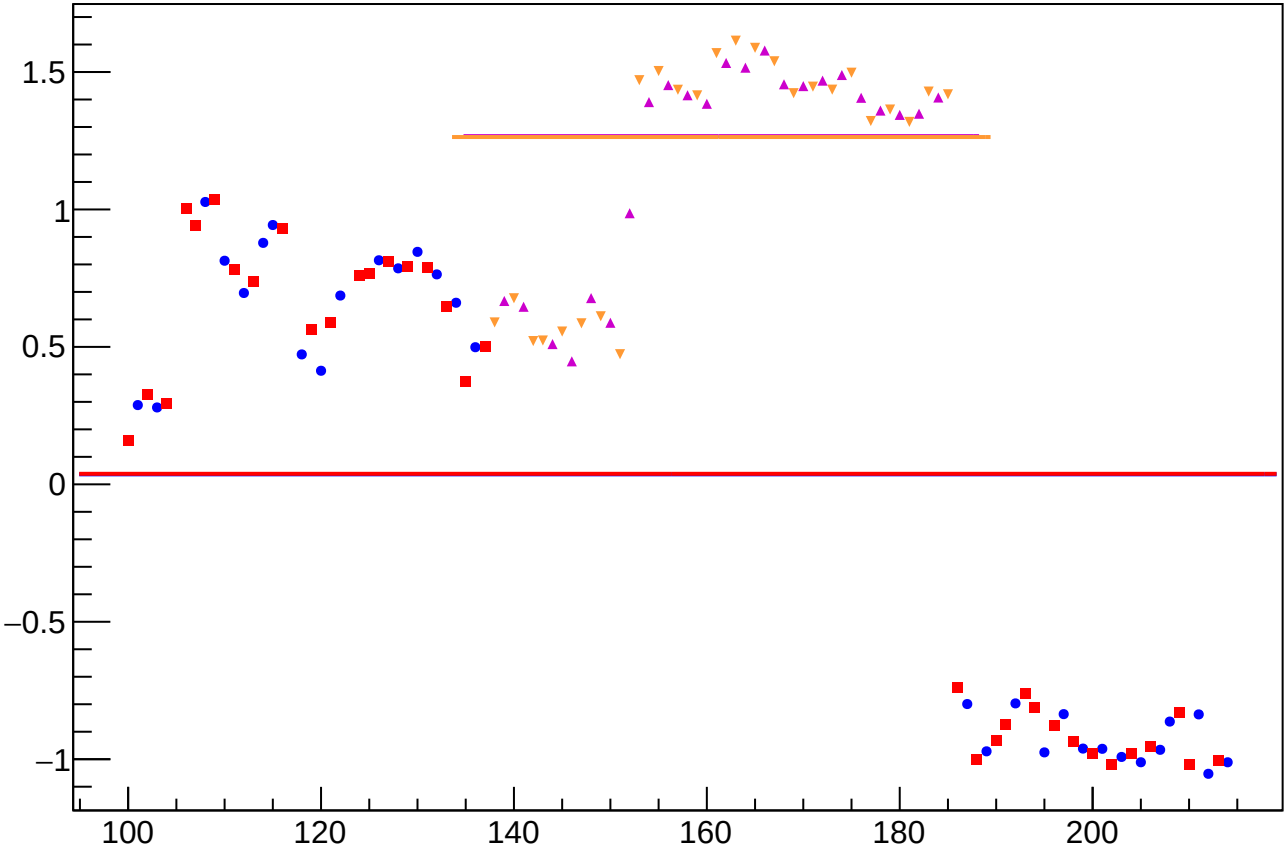
Right: 0.016+/-0.000 χ^2/NDF: 3127922.7/63

In: 0.017+/-0.000 χ^2/NDF:1914684.6/52

Out: 0.017+/-0.000 χ^2/NDF:1857683.5/58

All: 0.017+/-0.000 χ^2/NDF: 3789365.1/111

yield_bpm0l02Y_mean vs Slug, Sign Corrected



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

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

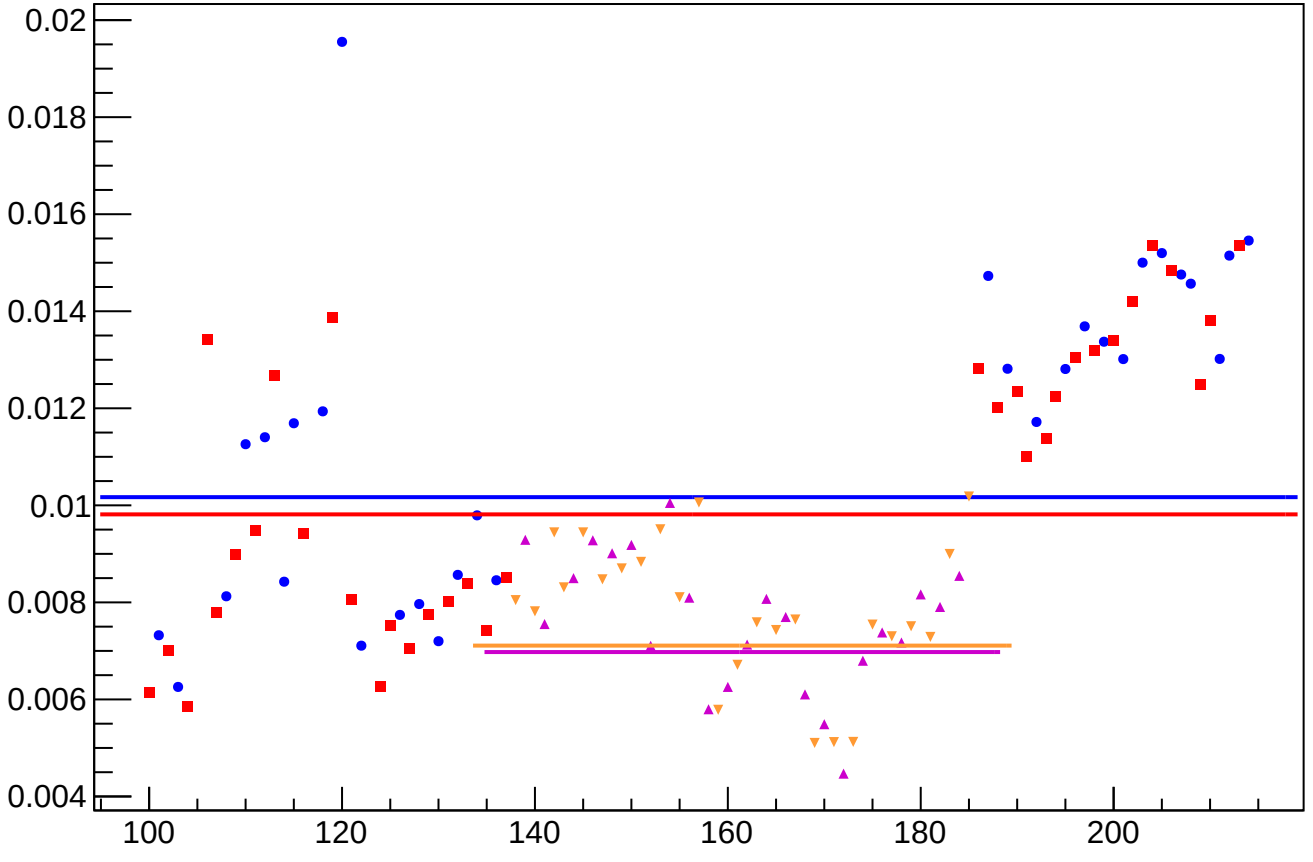
Right: 0.037+/-0.000 χ^2/NDF: 189859429151.1/63

In: 0.884+/-0.000 χ^2/NDF:284667947470.2/52

Out: 0.854+/-0.000 χ^2/NDF:314548605576.5/58

All: 0.869+/-0.000 χ^2/NDF: 599440735903.2

yield_bpm0l02Y_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

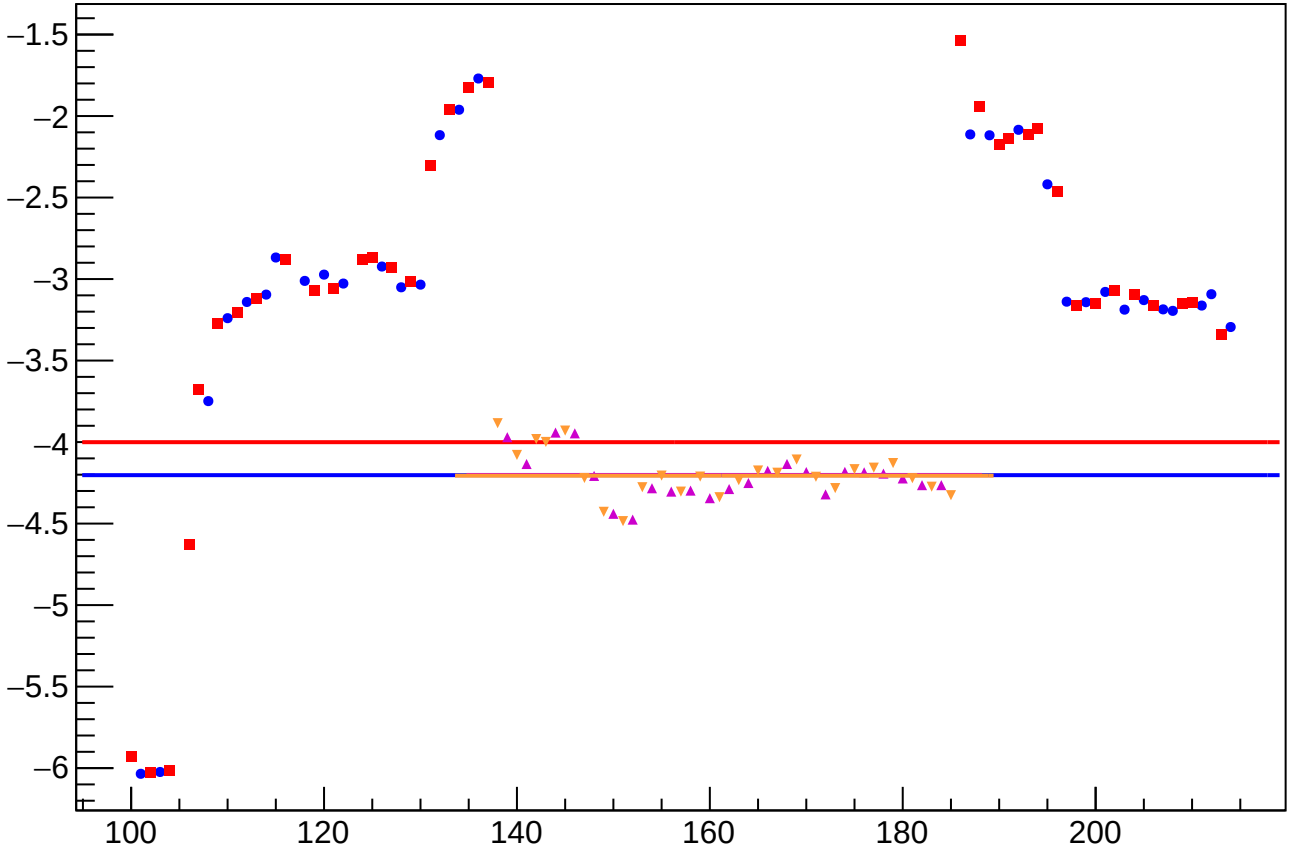
Right: 0.010+/-0.000 χ^2/NDF: 6068379.3/63

In: 0.008+/-0.000 χ^2/NDF:6595033.5/52

Out: 0.008+/-0.000 χ^2/NDF:6192836.8/58

All: 0.008+/-0.000 χ^2/NDF: 12788818.6/111

yield_bpm0l03X_mean vs Slug, Sign Corrected



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

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

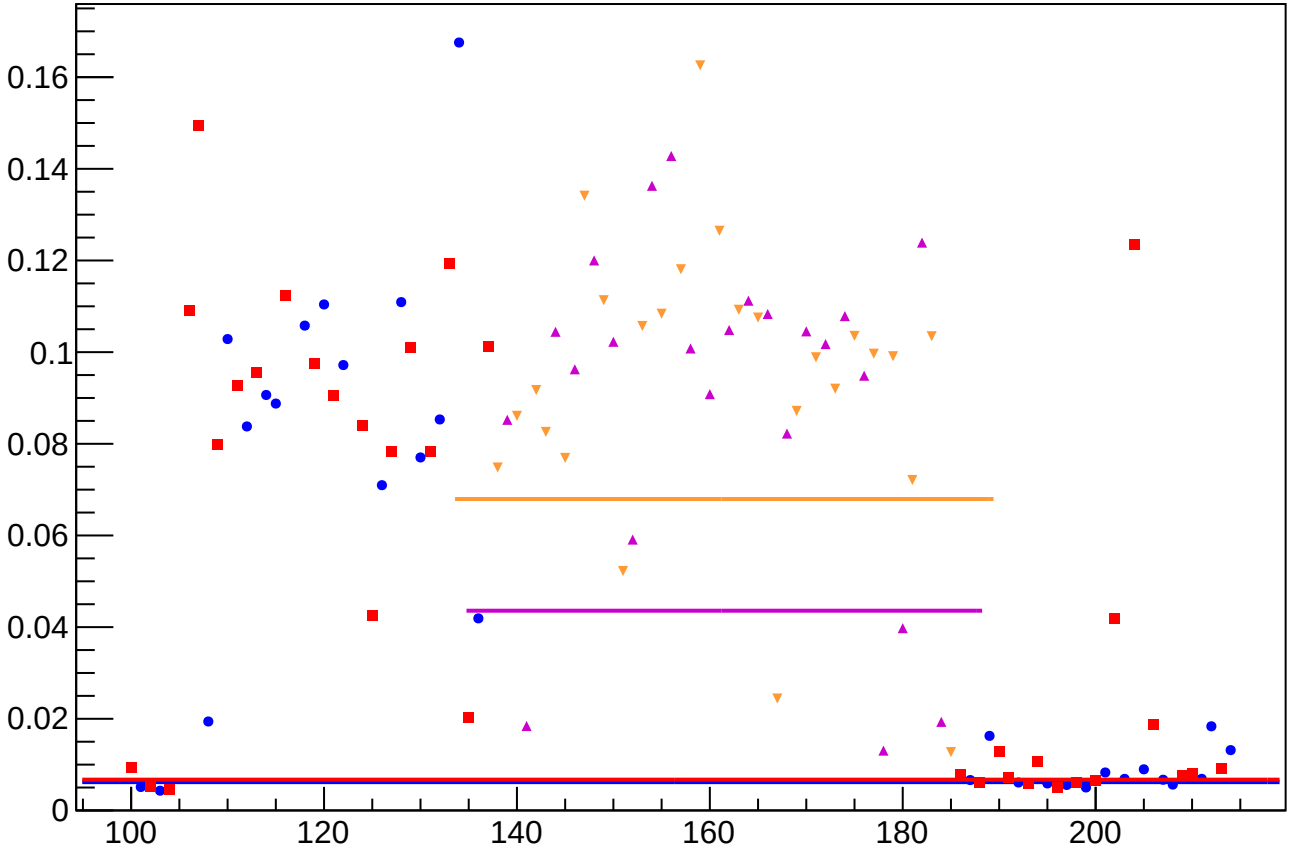
Right: -4.113+/-0.000 χ^2/NDF: 609373601585.6/63

In: -4.203+/-0.000 χ^2/NDF:300517433172.2/52

Out: -4.006+/-0.000 χ^2/NDF:306849568326.6/58

All: -4.115+/-0.000 χ^2/NDF: 609531983740.4

yield_bpm0l03X_rms vs Slug, Sign Corrected



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

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

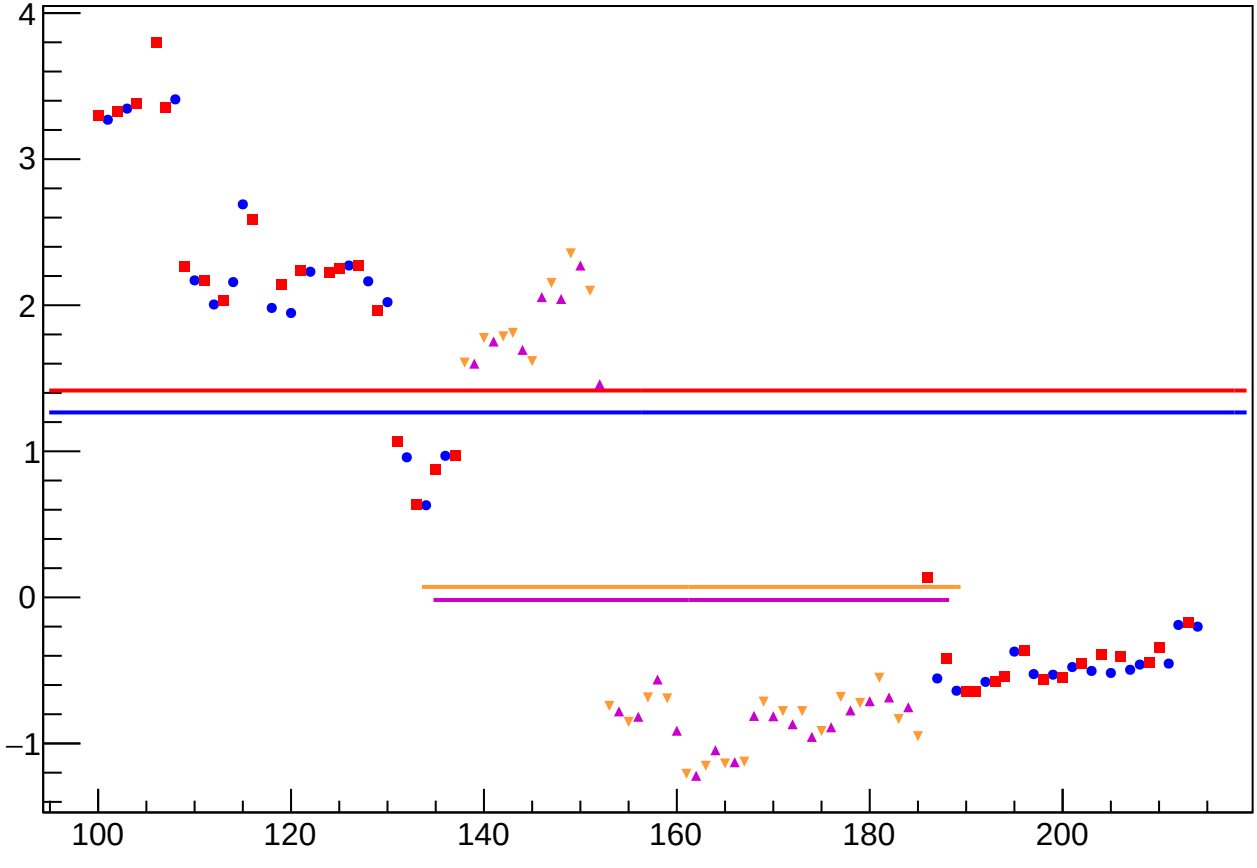
Right: 0.006+/-0.000 χ^2/NDF: 19987389.6/63

In: 0.007+/-0.000 χ^2/NDF:33056458.8/52

Out: 0.008+/-0.000 χ^2/NDF:37795410.4/58

All: 0.008+/-0.000 χ^2/NDF: 70950593.0/111

yield_bpm0l03Y_mean vs Slug, Sign Corrected



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

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

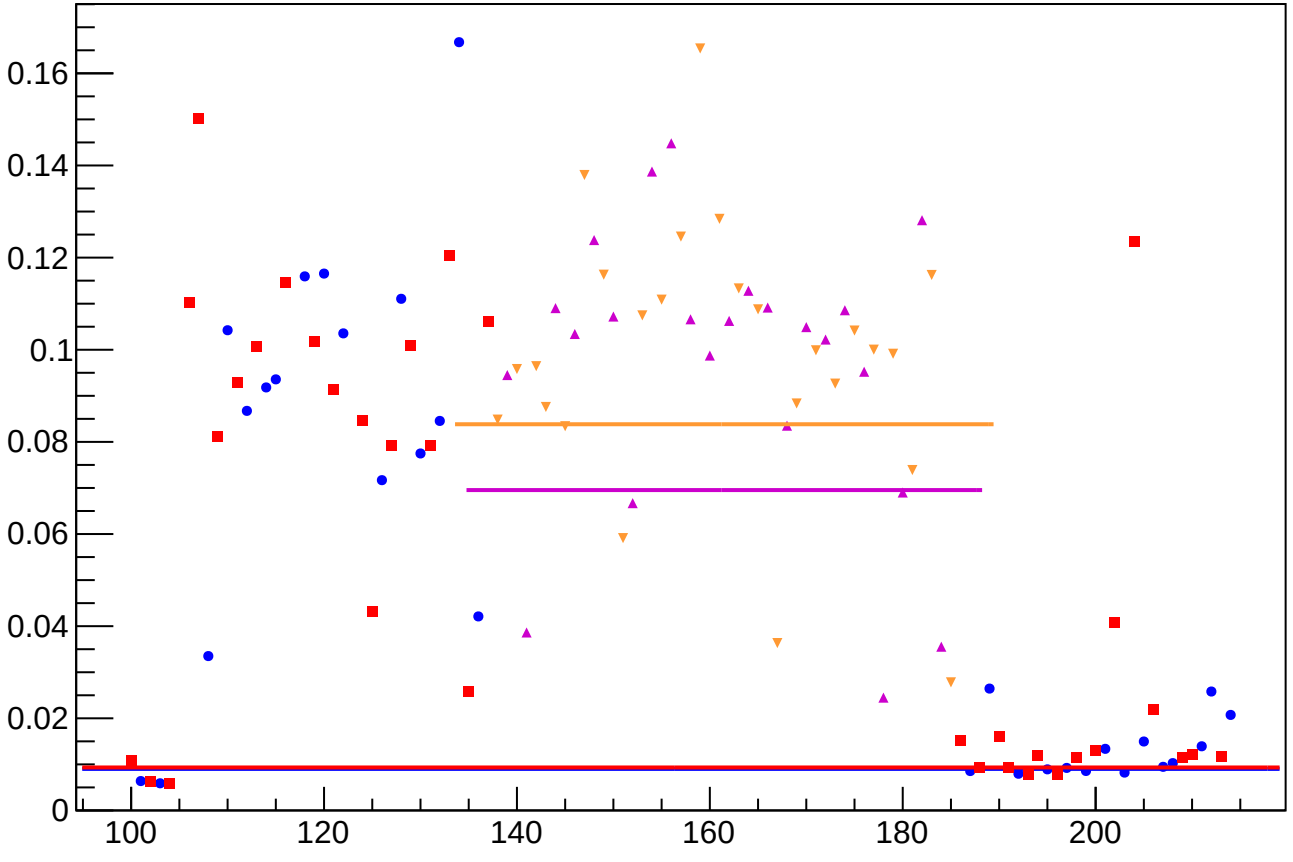
Right: 1.337+/-0.000 χ^2/NDF: 444291800639.7/63

In: 1.222+/-0.000 χ^2/NDF:242475514376.1/52

Out: 1.371+/-0.000 χ^2/NDF:215582443994.9/58

All: 1.292+/-0.000 χ^2/NDF: 458777708854.8

yield_bpm0l03Y_rms vs Slug, Sign Corrected



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

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

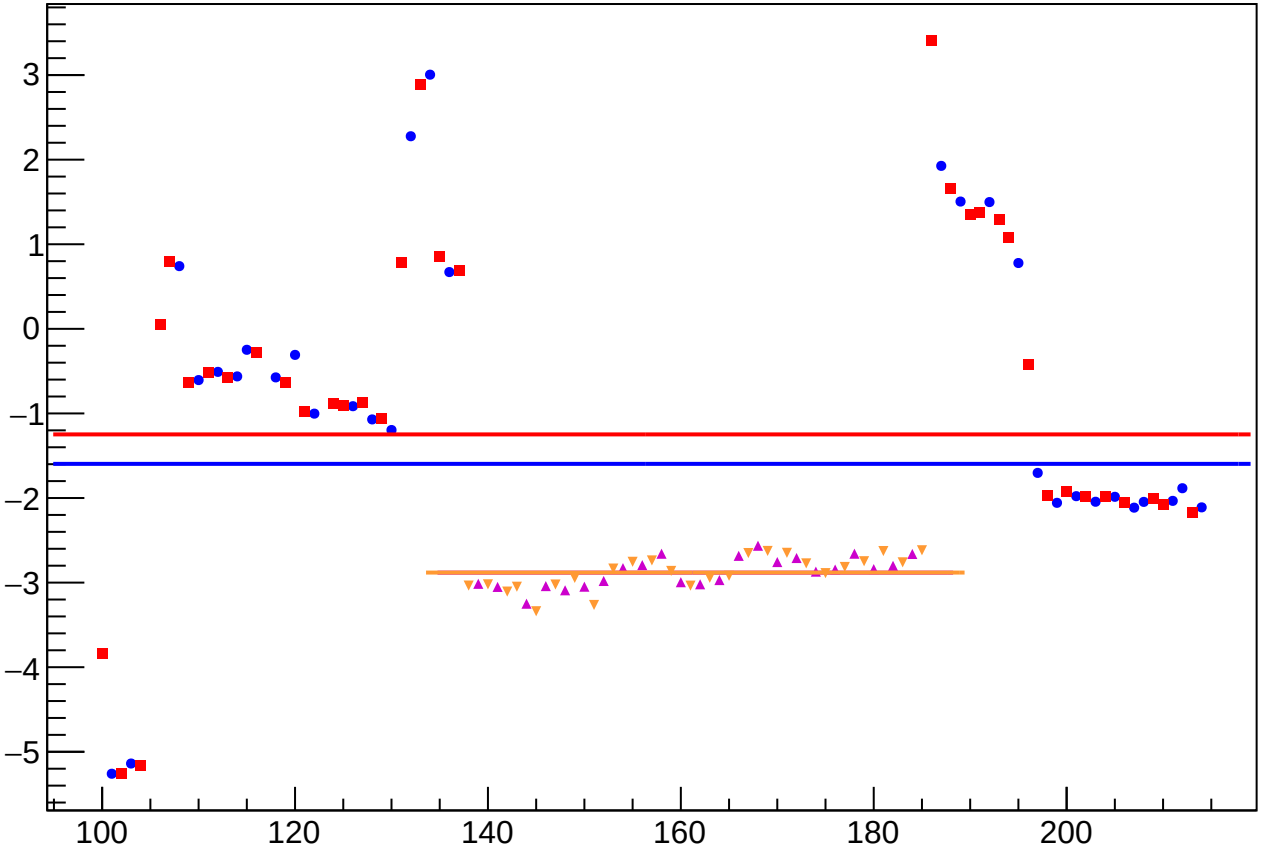
Right: 0.009+/-0.000 χ^2/NDF: 19785576.4/63

In: 0.011+/-0.000 χ^2/NDF:32774770.0/52

Out: 0.012+/-0.000 χ^2/NDF:36416796.4/58

All: 0.011+/-0.000 χ^2/NDF: 69225107.4/111

yield_bpm0l04X_mean vs Slug, Sign Corrected



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

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

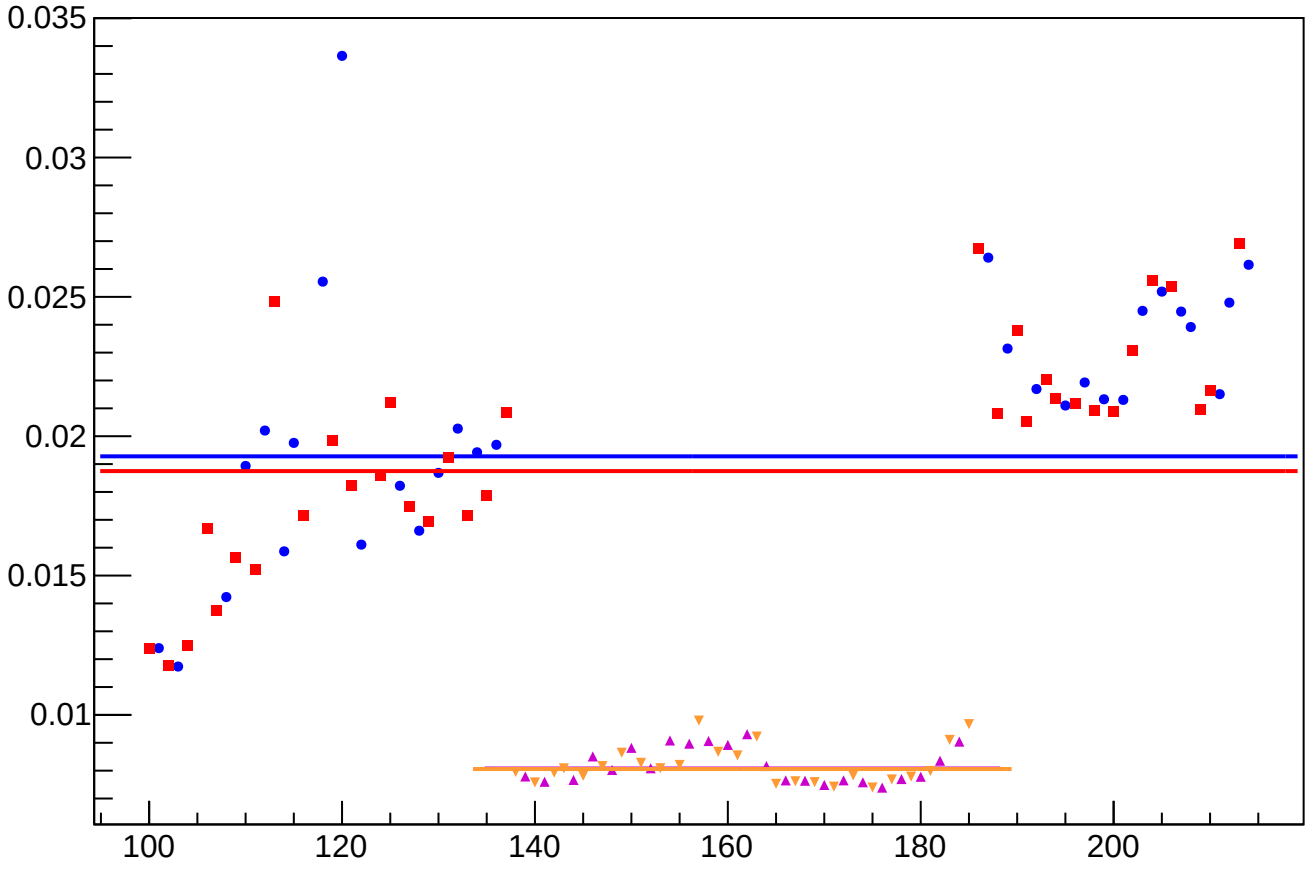
Right: -1.412+/-0.000 χ^2/NDF: 452211574970.6/63

In: -2.705+/-0.000 χ^2/NDF:279061255655.2/52

Out: -2.646+/-0.000 χ^2/NDF:359625624426.1/58

All: -2.674+/-0.000 χ^2/NDF: 639254223076.2

yield_bpm0l04X_rms vs Slug, Sign Corrected



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

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

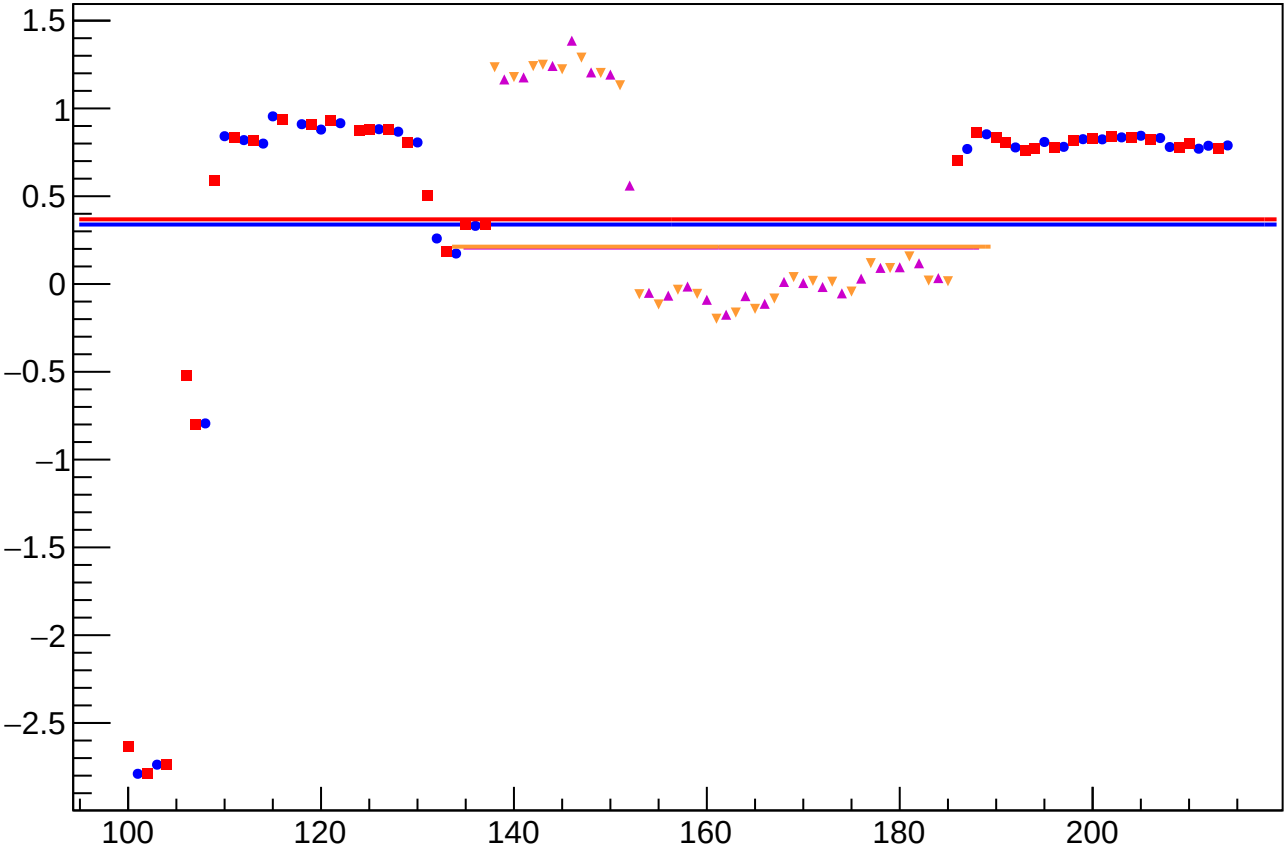
Right: 0.019+/-0.000 χ^2/NDF: 3599346.4/63

In: 0.010+/-0.000 χ^2/NDF:11309860.2/52

Out: 0.010+/-0.000 χ^2/NDF:11269251.1/58

All: 0.010+/-0.000 χ^2/NDF: 22579264.0/111

yield_bpm0l04Y_mean vs Slug, Sign Corrected



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

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

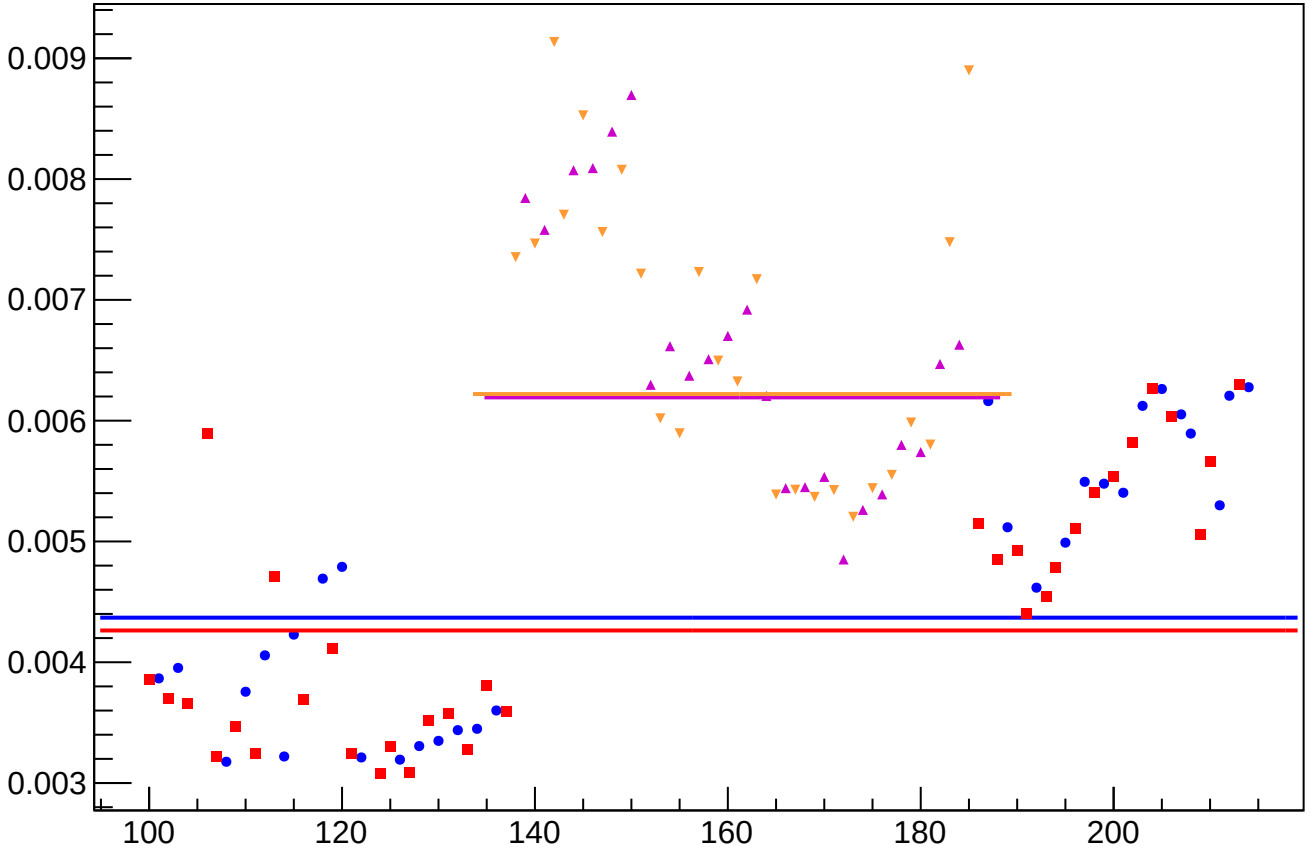
Right: 0.354+/-0.000 χ^2/NDF: 2037662828977.5/63

In: 0.296+/-0.000 χ^2/NDF:1068362460001.9/52

Out: 0.320+/-0.000 χ^2/NDF:1170829912476.2/58

All: 0.309+/-0.000 χ^2/NDF: 2239561354457.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



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

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

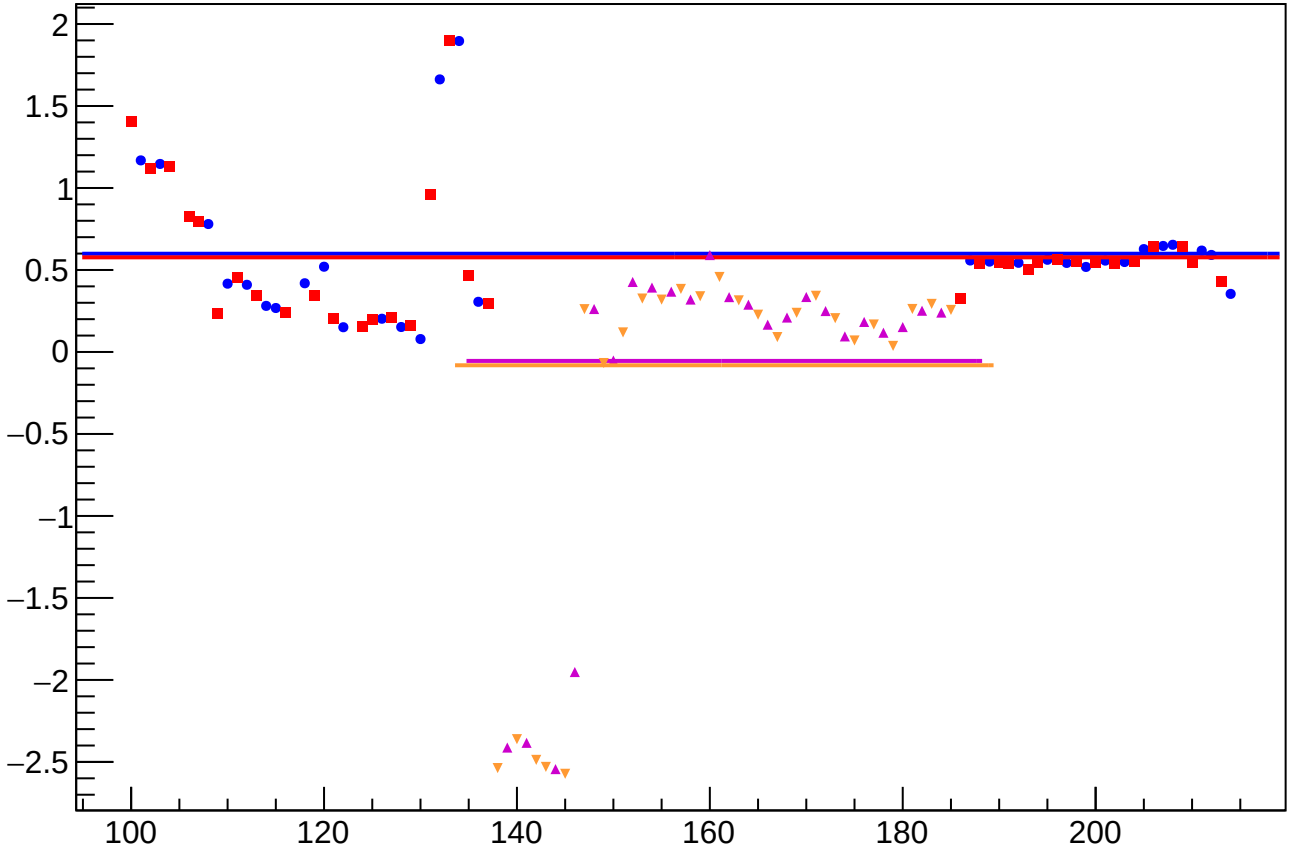
Right: 0.004+/-0.000 χ^2/NDF: 3843552.0/63

In: 0.005+/-0.000 χ^2/NDF:4635283.1/52

Out: 0.005+/-0.000 χ^2/NDF:4958246.4/58

All: 0.005+/-0.000 χ^2/NDF: 9603238.6/111

yield_bpm0l05X_mean vs Slug, Sign Corrected



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

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

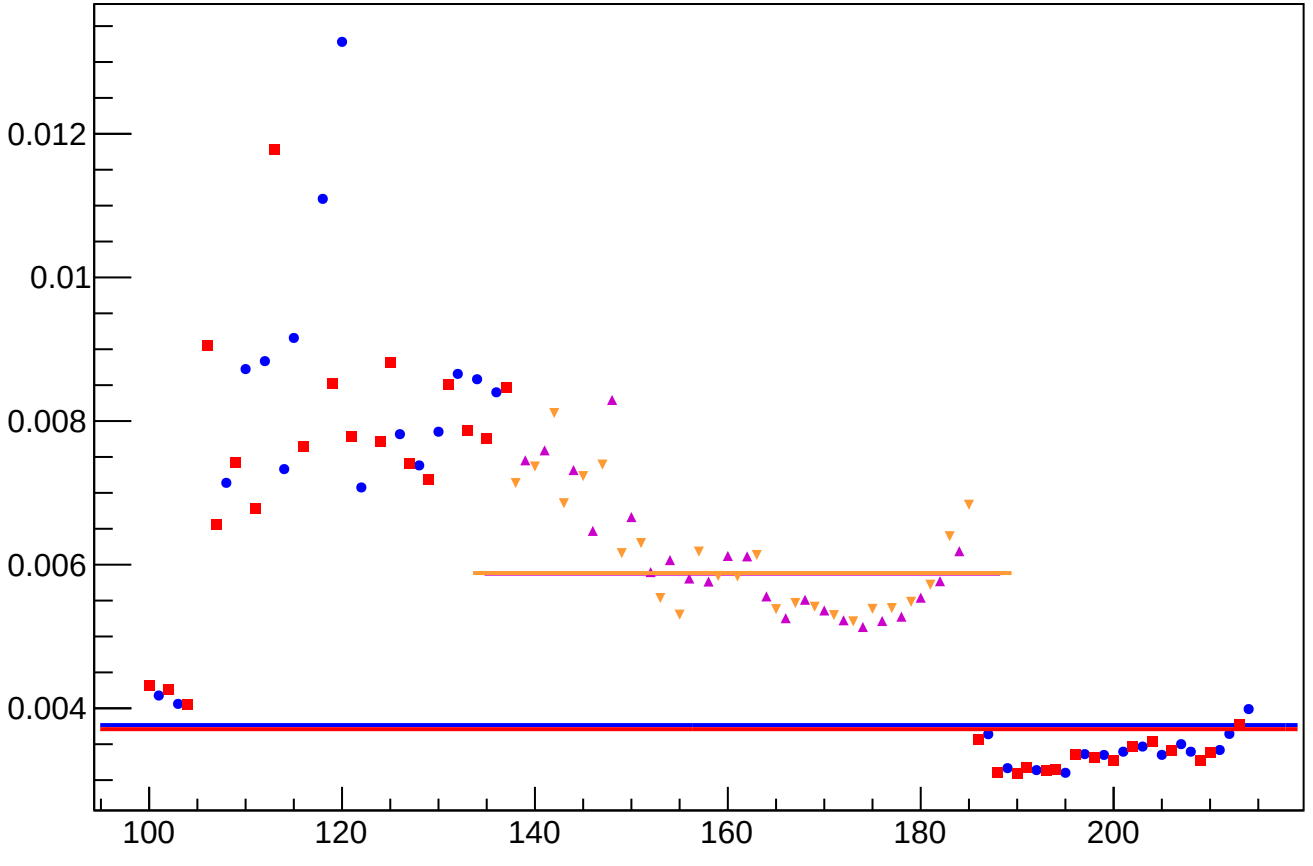
Right: 0.588+/-0.000 χ^2/NDF: 93311686771.1/63

In: 0.395+/-0.000 χ^2/NDF:536913538330.1/52

Out: 0.378+/-0.000 χ^2/NDF:587078335479.0/58

All: 0.386+/-0.000 χ^2/NDF: 1124242003368.

yield_bpm0l05X_rms vs Slug, Sign Corrected



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

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

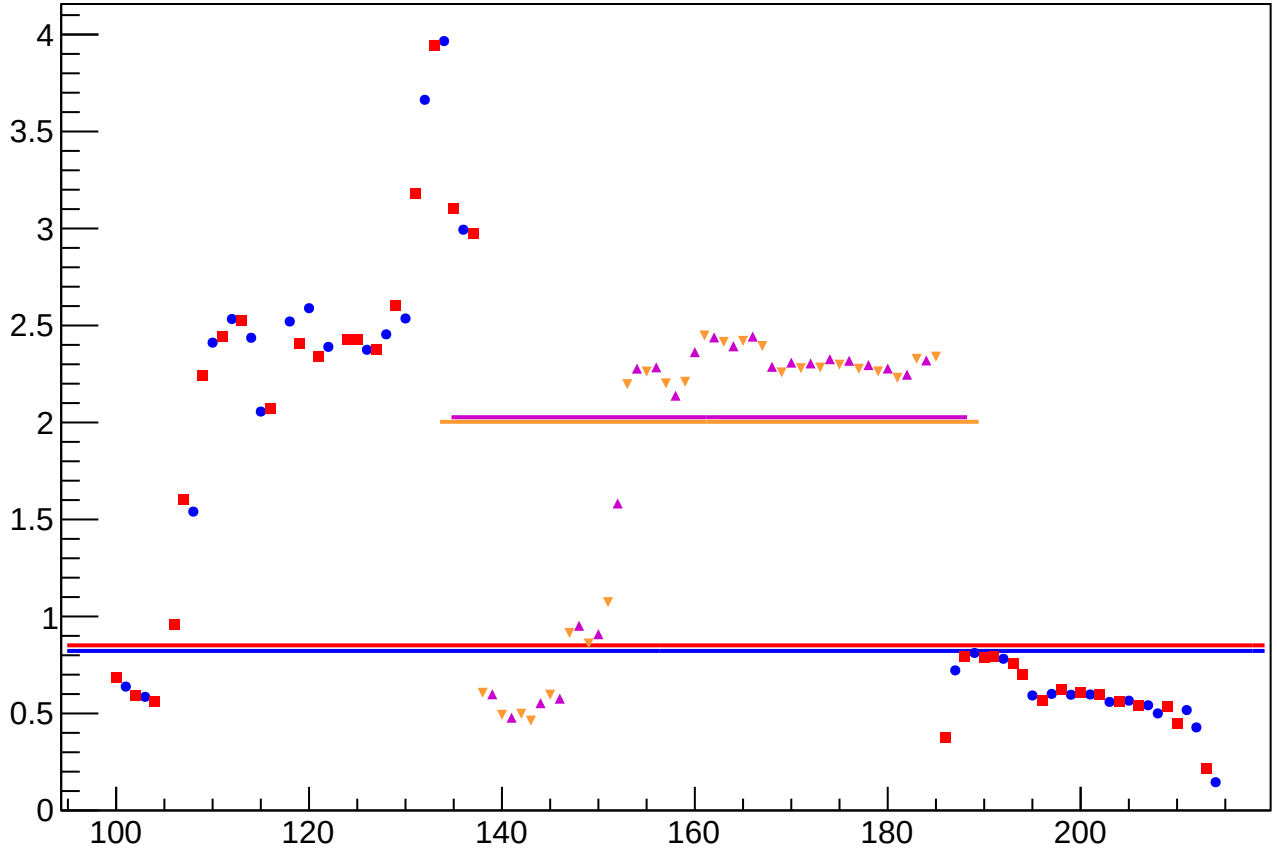
Right: 0.004+/-0.000 χ^2/NDF: 6974426.0/63

In: 0.004+/-0.000 χ^2/NDF:6979295.6/52

Out: 0.004+/-0.000 χ^2/NDF:7276008.4/58

All: 0.004+/-0.000 χ^2/NDF: 14260292.6/111

yield_bpm0l05Y_mean vs Slug, Sign Corrected



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

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

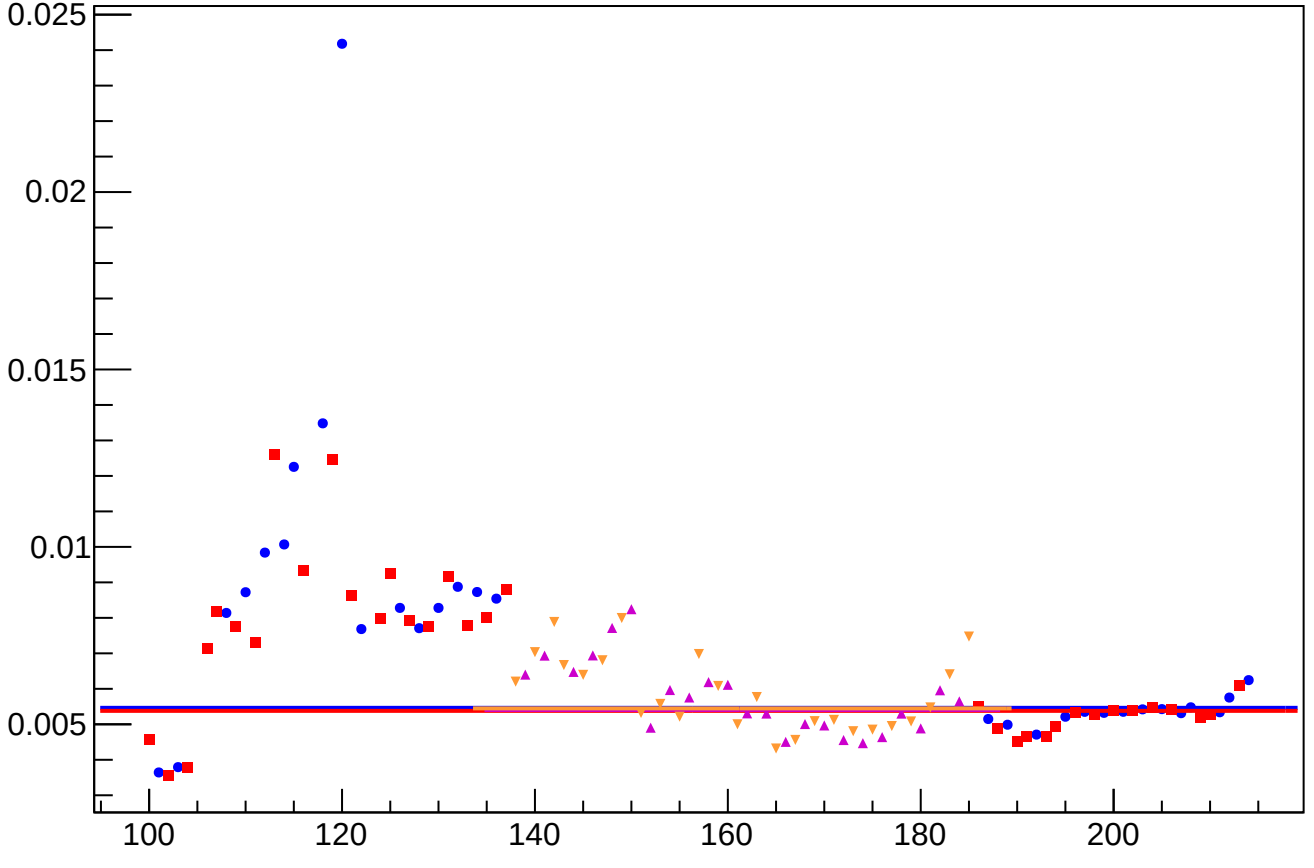
Right: 0.837+/-0.000 χ^2/NDF: 548502155840.8/63

In: 1.428+/-0.000 χ^2/NDF:838268371221.2/52

Out: 1.416+/-0.000 χ^2/NDF:880212759463.4/58

All: 1.422+/-0.000 χ^2/NDF: 1718560588185.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



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

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

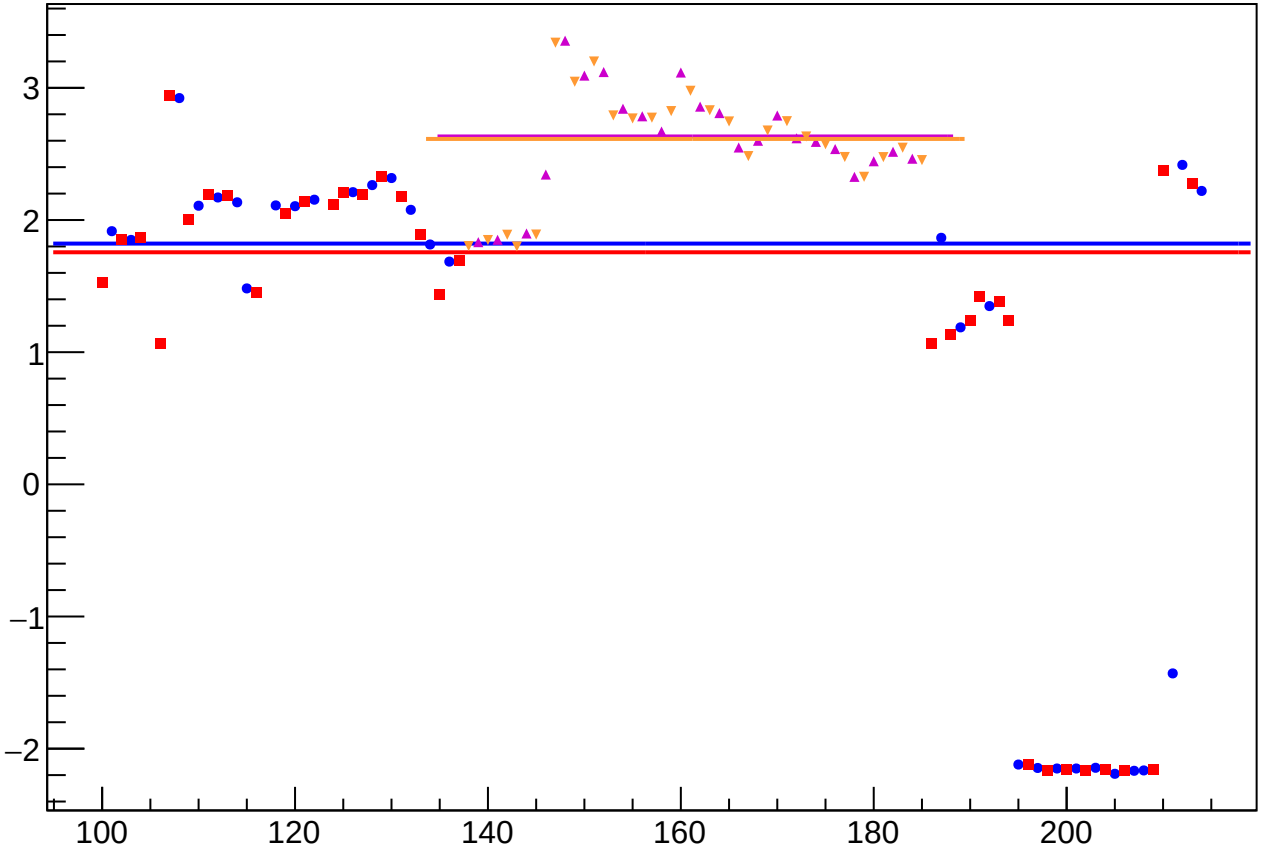
Right: 0.005+/-0.000 χ^2/NDF: 4498708.8/63

In: 0.005+/-0.000 χ^2/NDF:3158767.0/52

Out: 0.005+/-0.000 χ^2/NDF:2927125.5/58

All: 0.005+/-0.000 χ^2/NDF: 6086377.0/111

yield_bpm0l06X_mean vs Slug, Sign Corrected



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

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

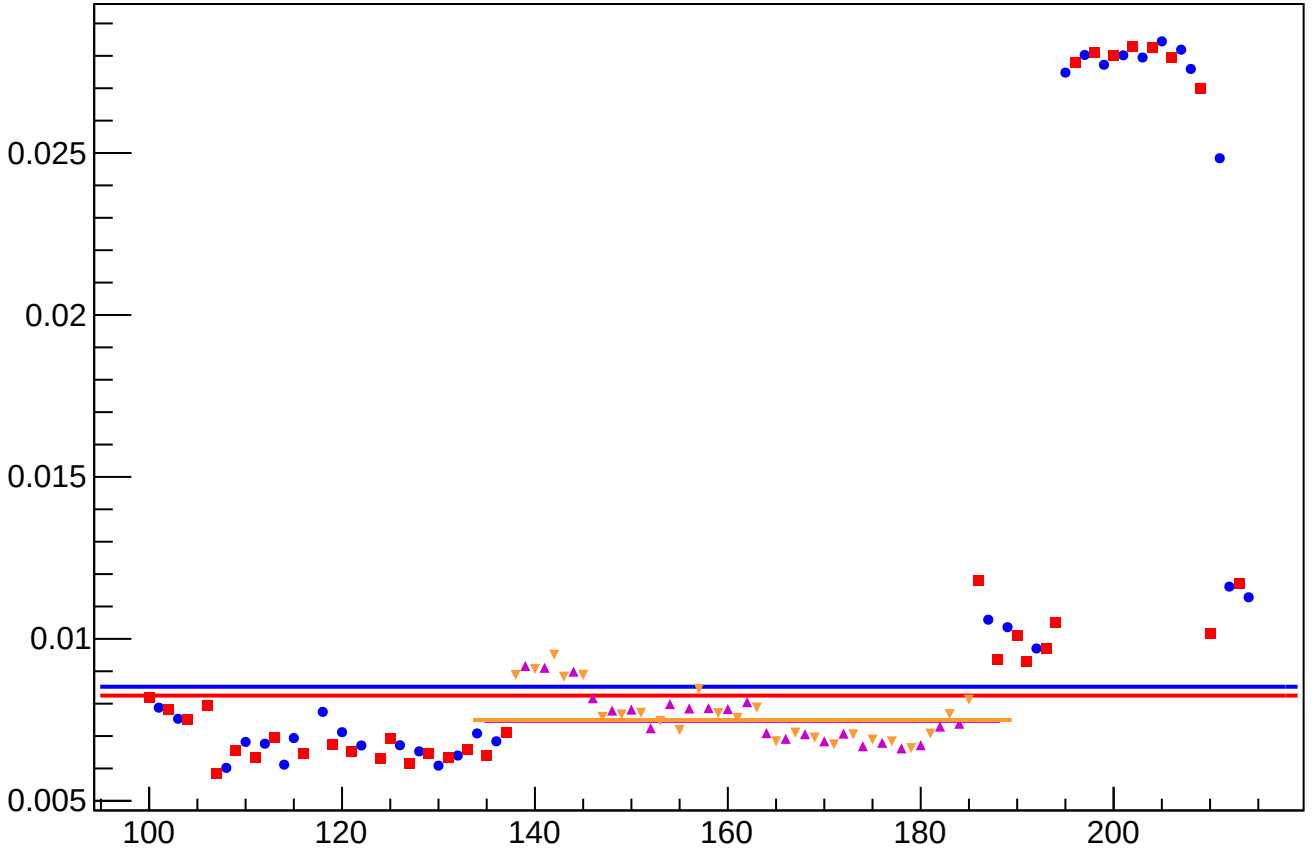
Right: 1.786+/-0.000 χ^2/NDF: 350855496884.0/63

In: 2.329+/-0.000 χ^2/NDF:302068934176.3/52

Out: 2.270+/-0.000 χ^2/NDF:306622111663.0/58

All: 2.298+/-0.000 χ^2/NDF: 609569265285.2

yield_bpm0l06X_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

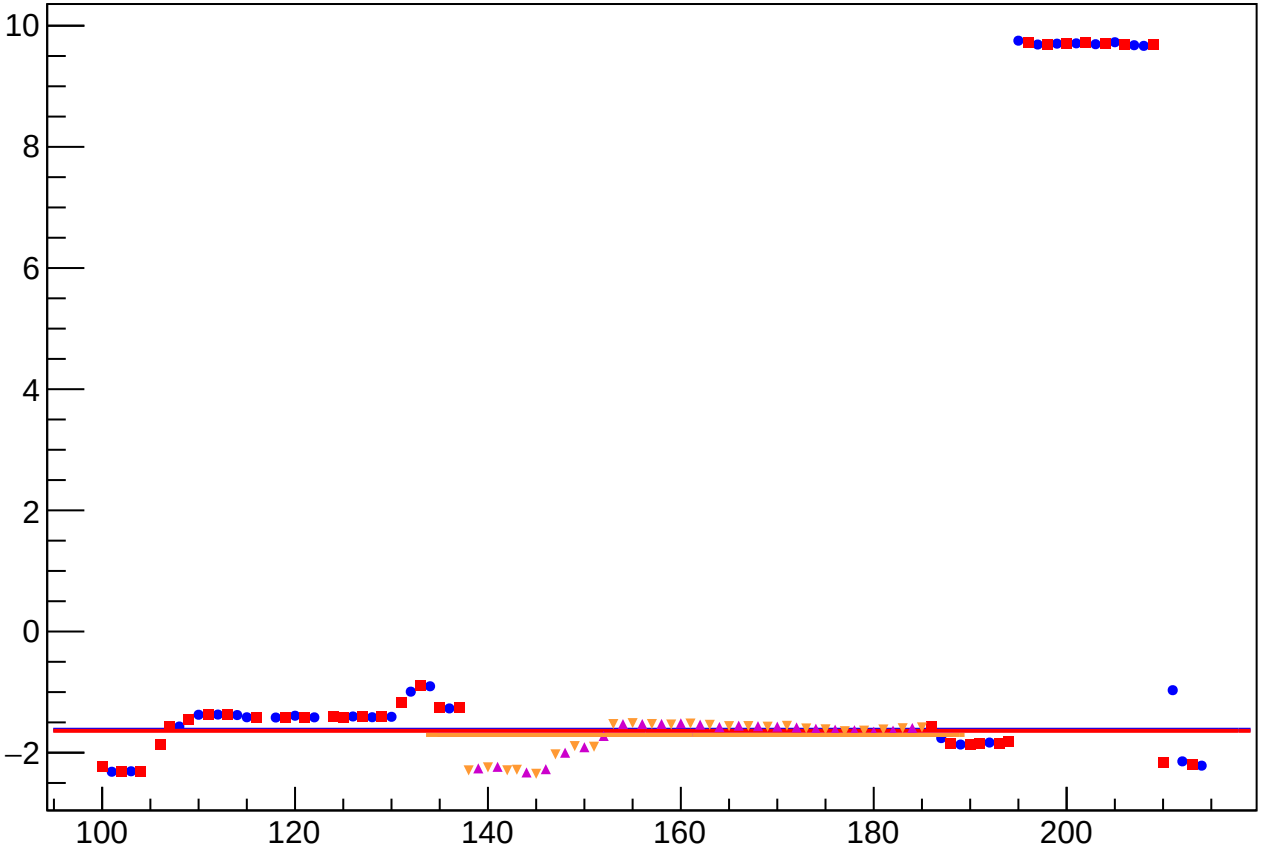
Right: 0.008+/-0.000 χ^2/NDF: 15943966.3/63

In: 0.008+/-0.000 χ^2/NDF:9115688.6/52

Out: 0.008+/-0.000 χ^2/NDF:7873873.0/58

All: 0.008+/-0.000 χ^2/NDF: 16991786.2/111

yield_bpm0l06Y_mean vs Slug, Sign Corrected



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

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

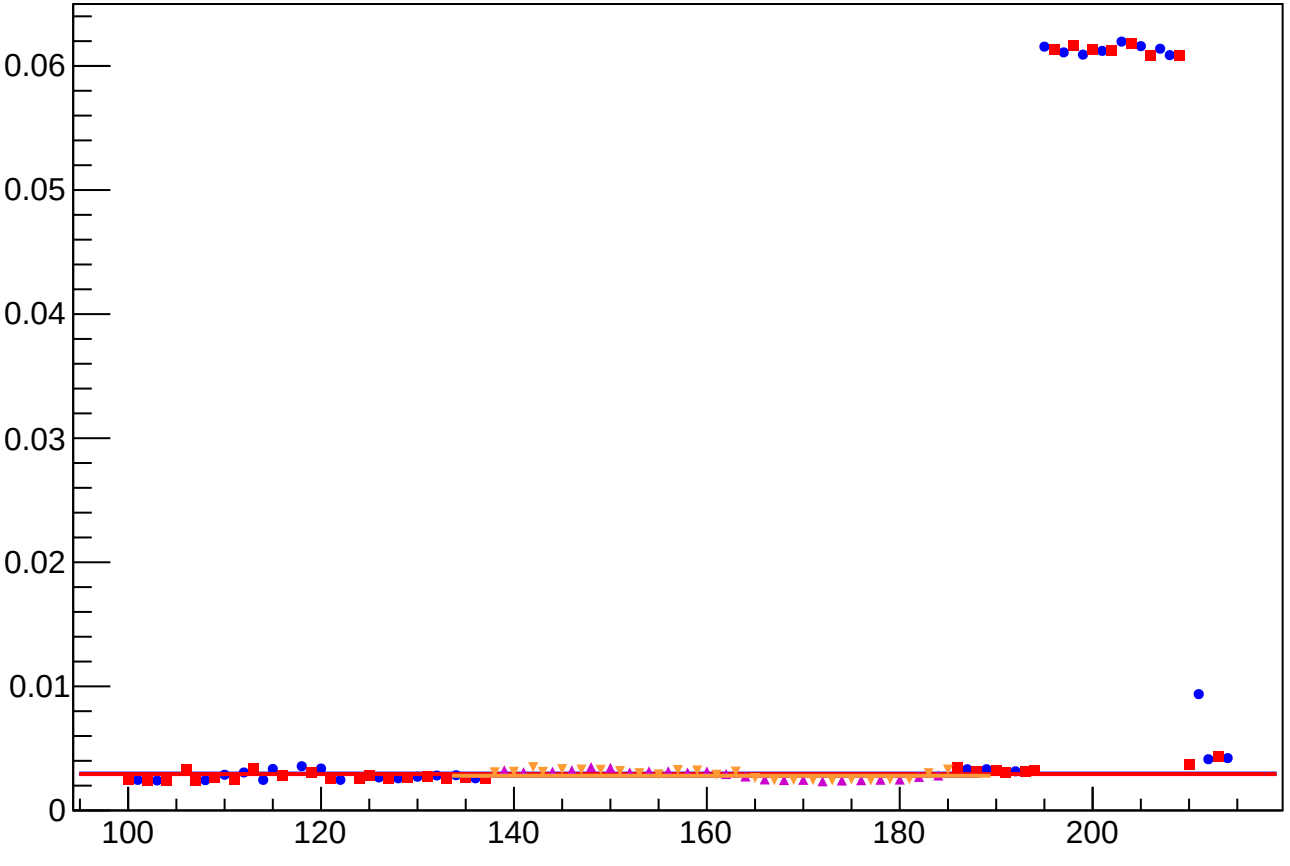
Right: -1.631+/-0.000 χ^2/NDF: 887046709978.3/63

In: -1.676+/-0.000 χ^2/NDF:594367629202.1/52

Out: -1.681+/-0.000 χ^2/NDF:590425668594.9/58

All: -1.679+/-0.000 χ^2/NDF: 1184843726556

yield_bpm0l06Y_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

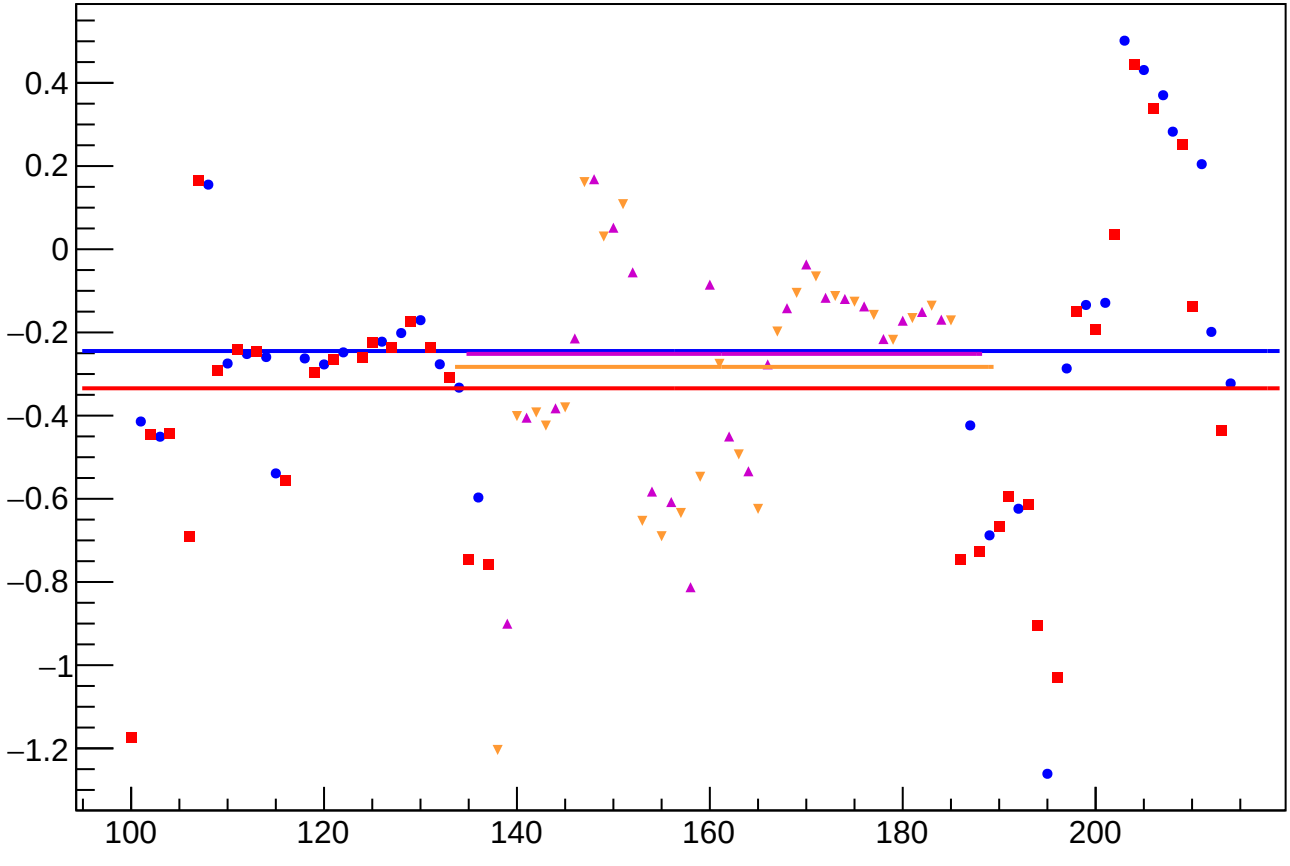
Right: 0.003+/-0.000 χ^2/NDF: 25019203.3/63

In: 0.003+/-0.000 χ^2/NDF:13895924.2/52

Out: 0.003+/-0.000 χ^2/NDF:12310912.2/58

All: 0.003+/-0.000 χ^2/NDF: 26206840.4/111

yield_bpm0l07X_mean vs Slug, Sign Corrected



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

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

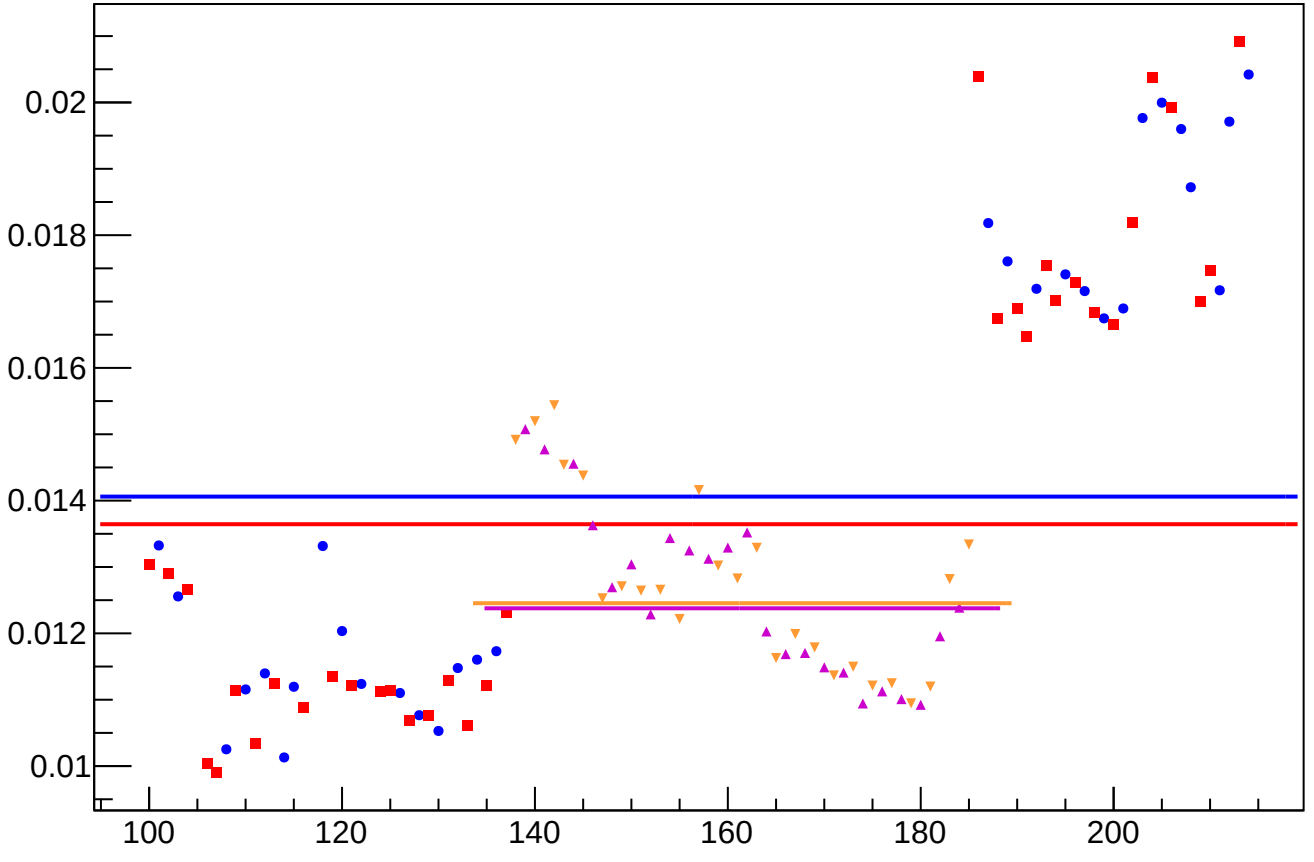
Right: -0.292+/-0.000 χ^2/NDF: 19993977305.1/63

In: -0.249+/-0.000 χ^2/NDF:16890580109.4/52

Out: -0.306+/-0.000 χ^2/NDF:19398164135.6/58

All: -0.278+/-0.000 χ^2/NDF: 36620409450.8/

yield_bpm0l07X_rms vs Slug, Sign Corrected



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

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

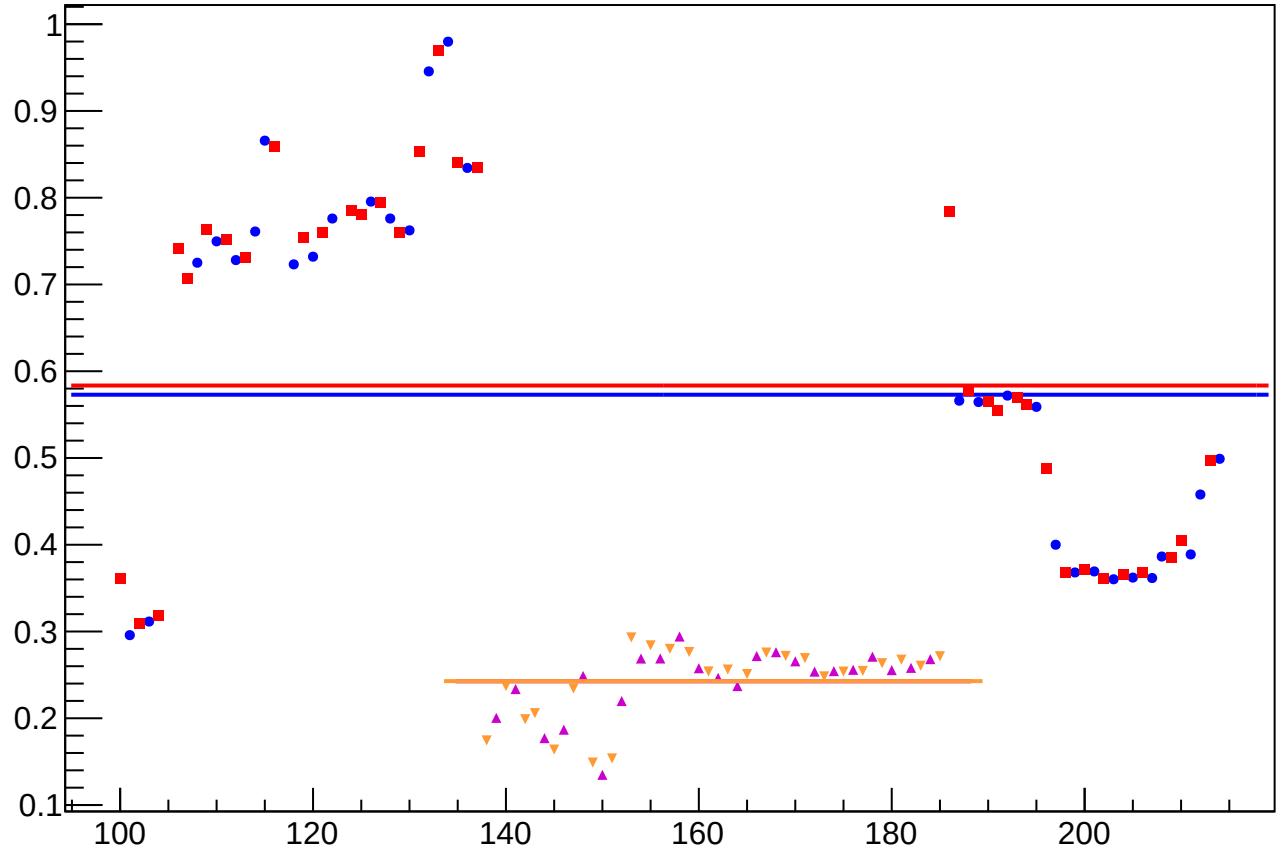
Right: 0.014+/-0.000 χ^2/NDF: 4101394.0/63

In: 0.013+/-0.000 χ^2/NDF:2552721.8/52

Out: 0.013+/-0.000 χ^2/NDF:2623313.2/58

All: 0.013+/-0.000 χ^2/NDF: 5178818.9/111

yield_bpm0l07Y_mean vs Slug, Sign Corrected



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

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

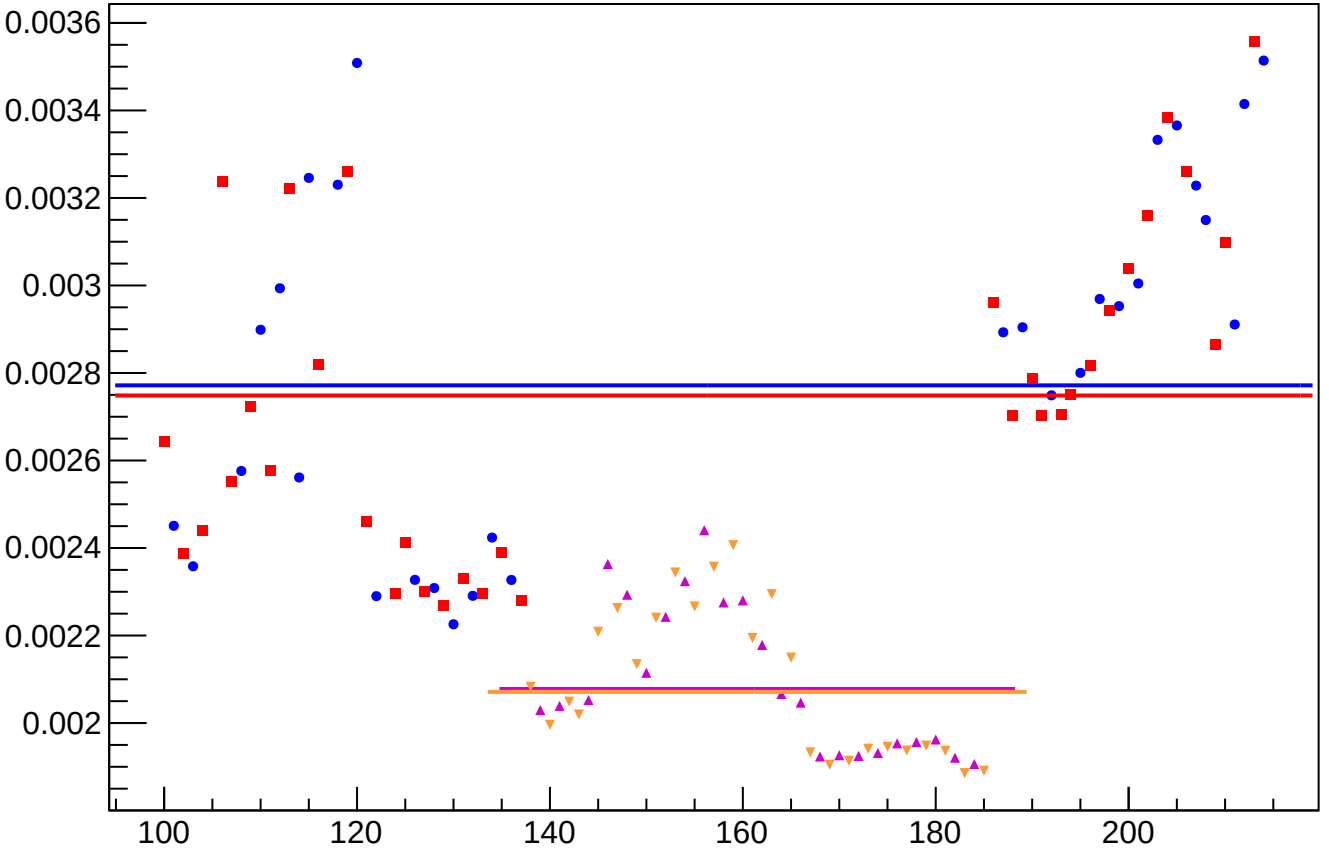
Right: 0.578+/-0.000 χ^2/NDF: 191965757667.2/63

In: 0.358+/-0.000 χ^2/NDF:264405640296.8/52

Out: 0.362+/-0.000 χ^2/NDF:281400116360.6/58

All: 0.360+/-0.000 χ^2/NDF: 545848450480.3

yield_bpm0l07Y_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

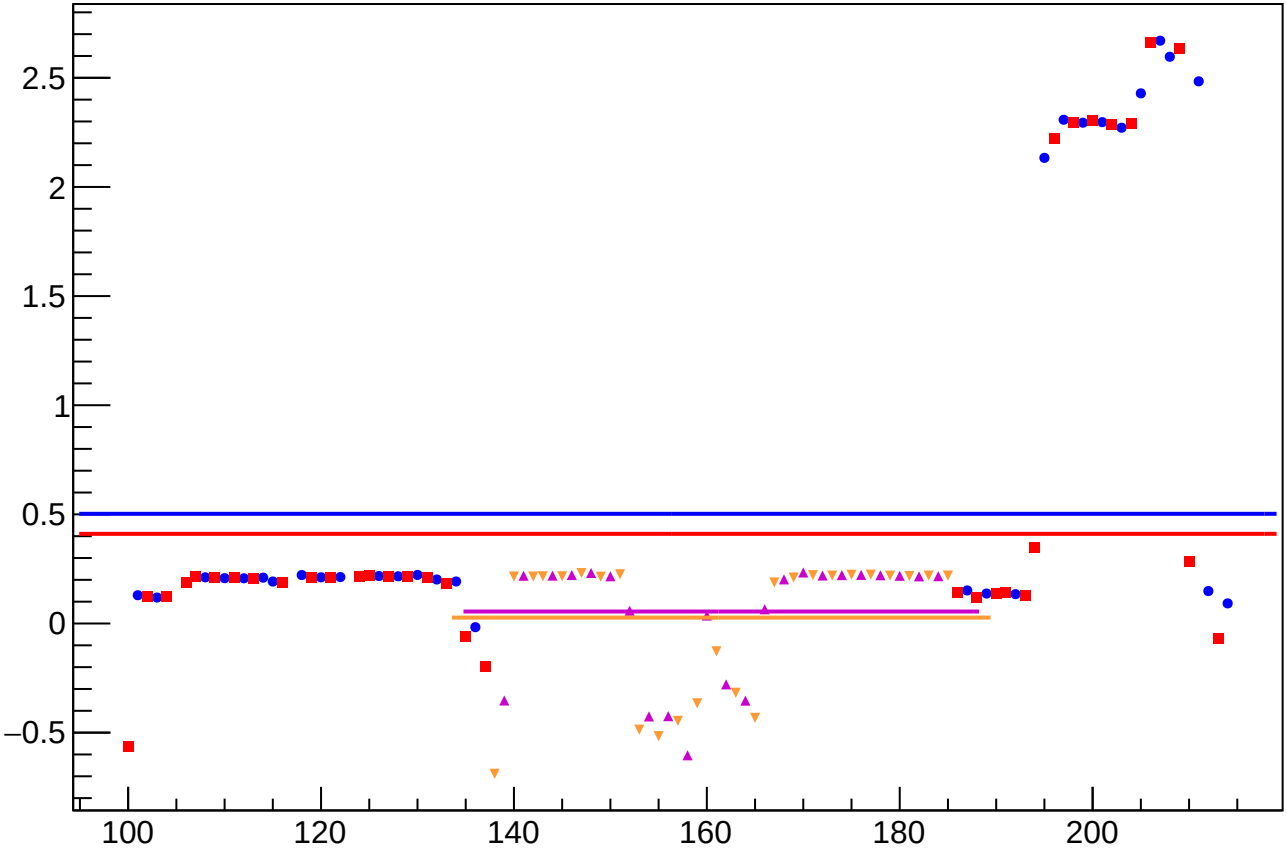
Right: 0.003+/-0.000 χ^2/NDF: 1322417.5/63

In: 0.002+/-0.000 χ^2/NDF:2354056.6/52

Out: 0.002+/-0.000 χ^2/NDF:2254062.4/58

All: 0.002+/-0.000 χ^2/NDF: 4609240.8/111

yield_bpm0l08X_mean vs Slug, Sign Corrected



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

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

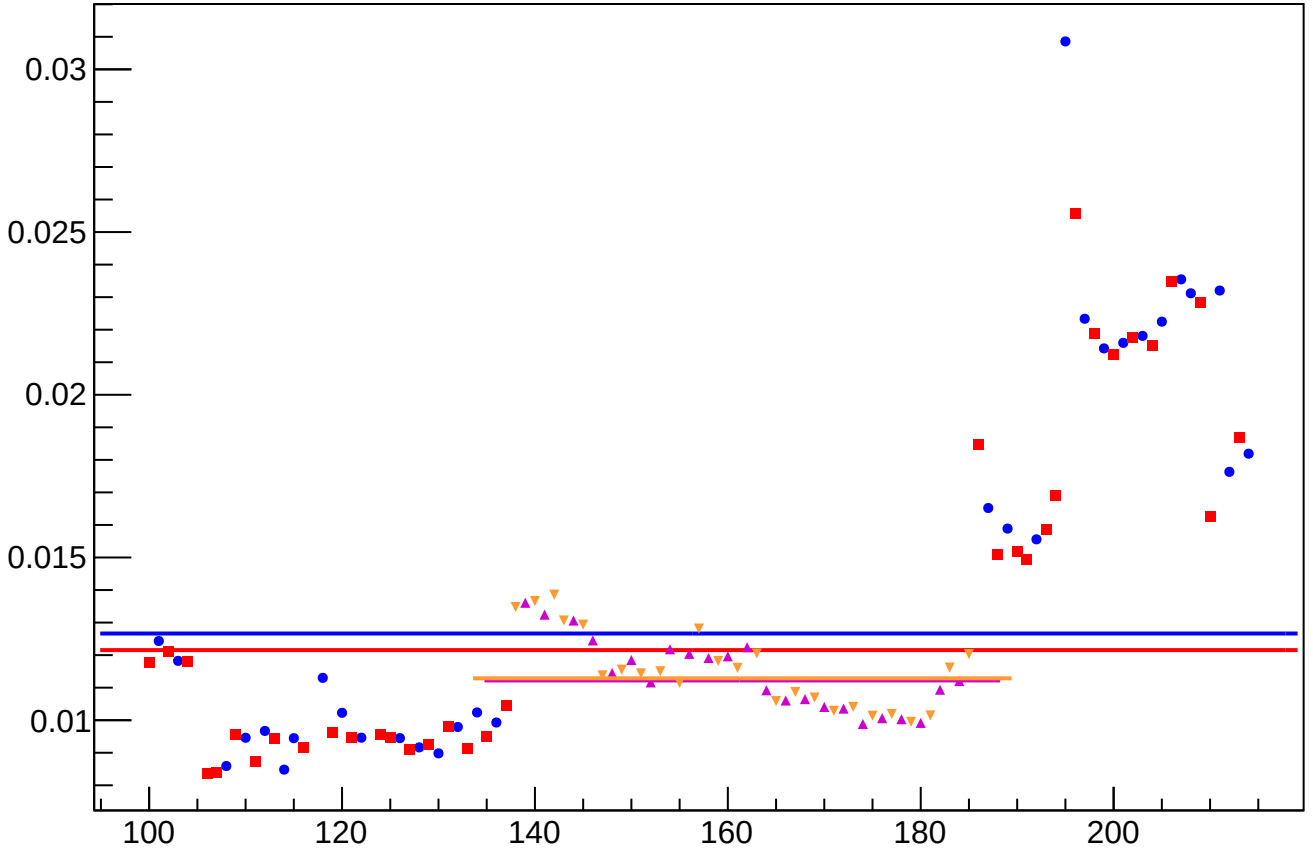
Right: 0.454+/-0.000 χ^2/NDF: 116923086108.0/63

In: 0.239+/-0.000 χ^2/NDF:82767289497.5/52

Out: 0.194+/-0.000 χ^2/NDF:76929029196.2/58

All: 0.215+/-0.000 χ^2/NDF: 159949361913.5

yield_bpm0l08X_rms vs Slug, Sign Corrected



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

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

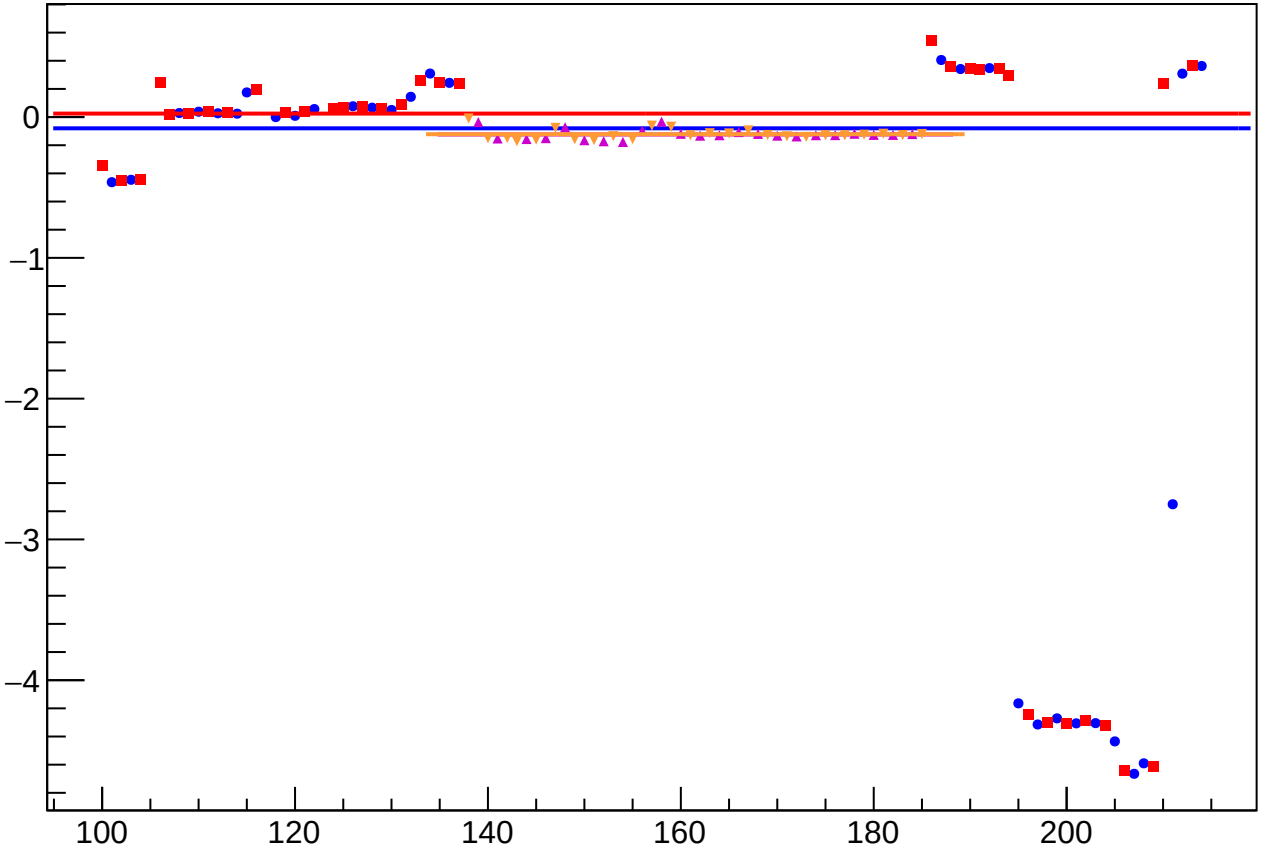
Right: 0.012+/-0.000 χ^2/NDF: 9360502.2/63

In: 0.012+/-0.000 χ^2/NDF:5359711.3/52

Out: 0.012+/-0.000 χ^2/NDF:4946729.2/58

All: 0.012+/-0.000 χ^2/NDF: 10312133.2/111

yield_bpm0l08Y_mean vs Slug, Sign Corrected



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

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

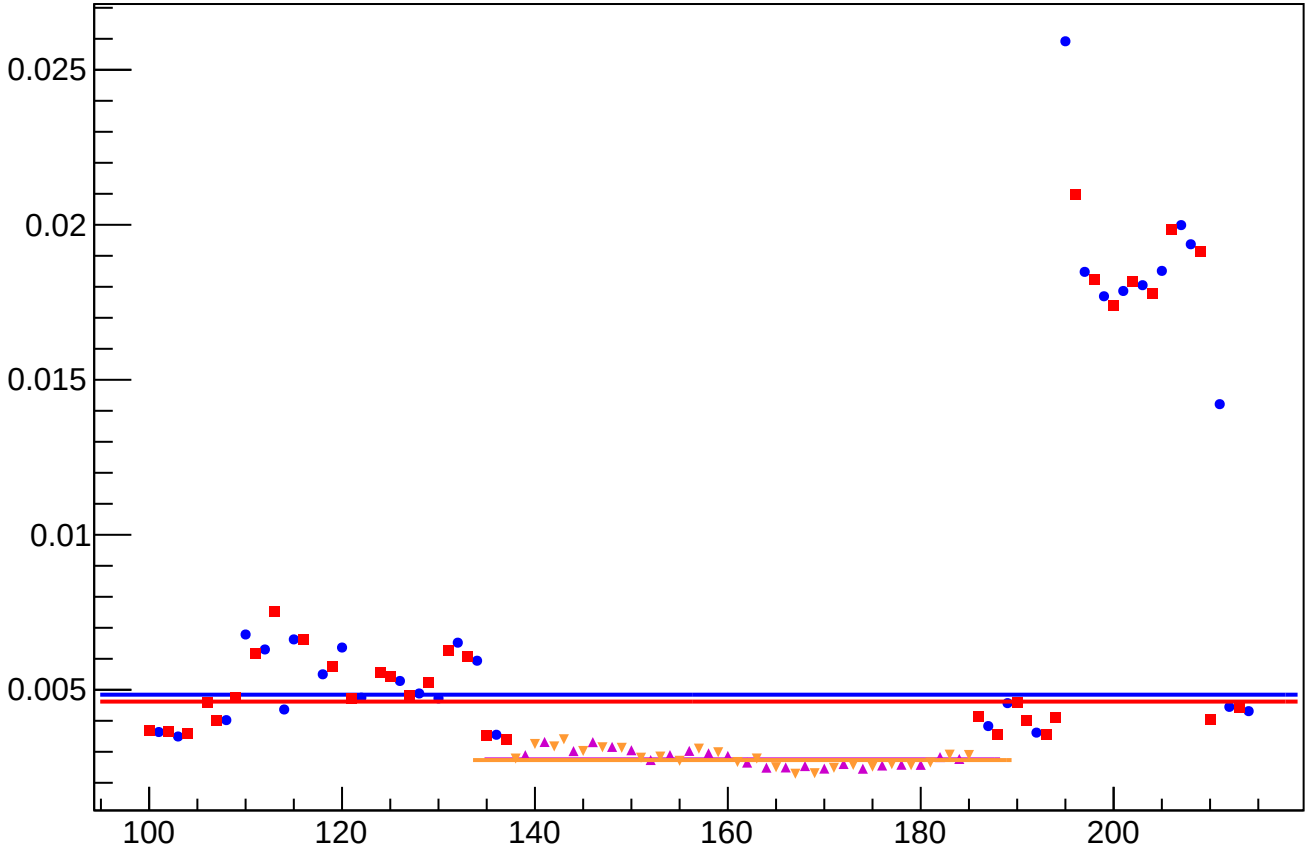
Right: -0.023+/-0.000 χ^2/NDF: 830640172819.1/63

In: -0.115+/-0.000 χ^2/NDF:432923881511.3/52

Out: -0.091+/-0.000 χ^2/NDF:412035211022.0/58

All: -0.103+/-0.000 χ^2/NDF: 845810357982.2

yield_bpm0l08Y_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

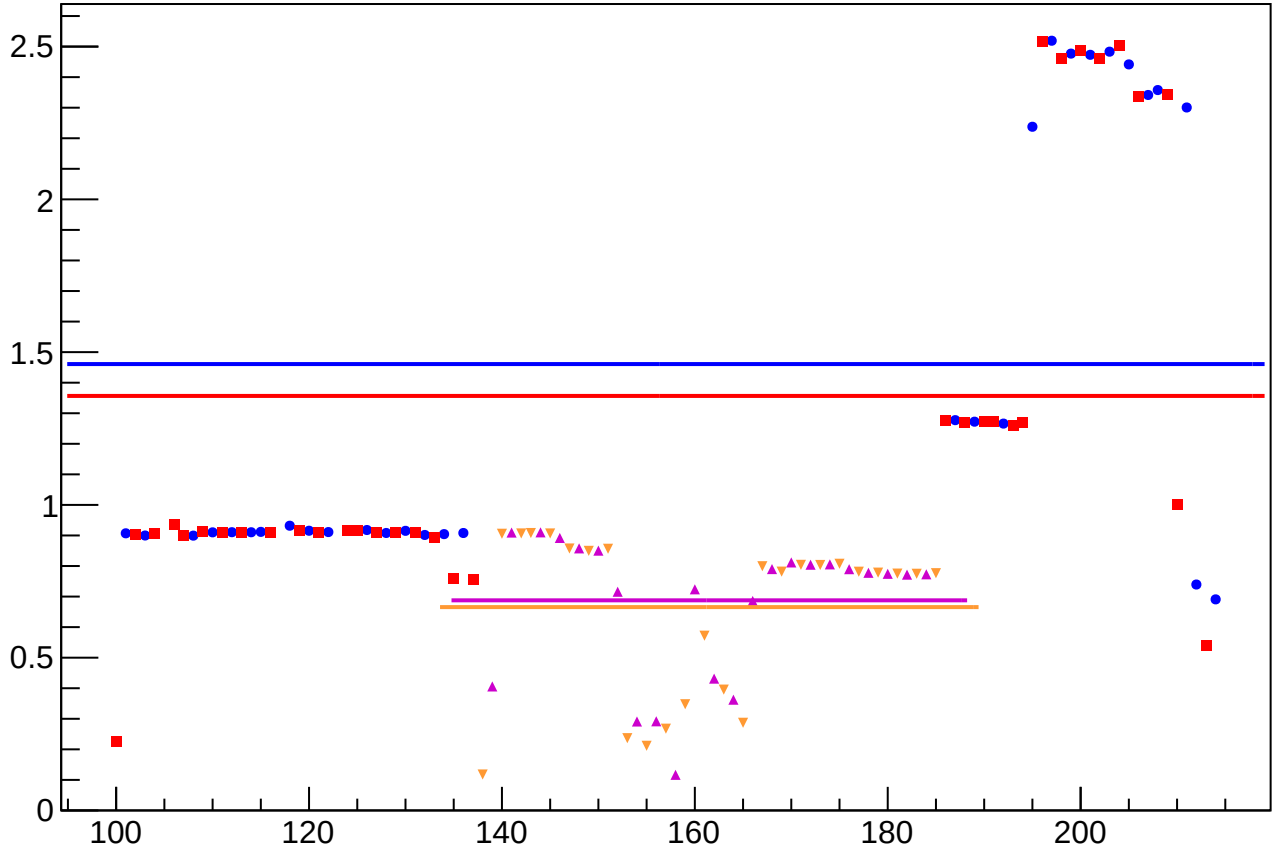
Right: 0.005+/-0.000 χ^2/NDF: 17360494.7/63

In: 0.003+/-0.000 χ^2/NDF:13371007.9/52

Out: 0.003+/-0.000 χ^2/NDF:12030397.7/58

All: 0.003+/-0.000 χ^2/NDF: 25403360.3/111

yield_bpm0l09X_mean vs Slug, Sign Corrected



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

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

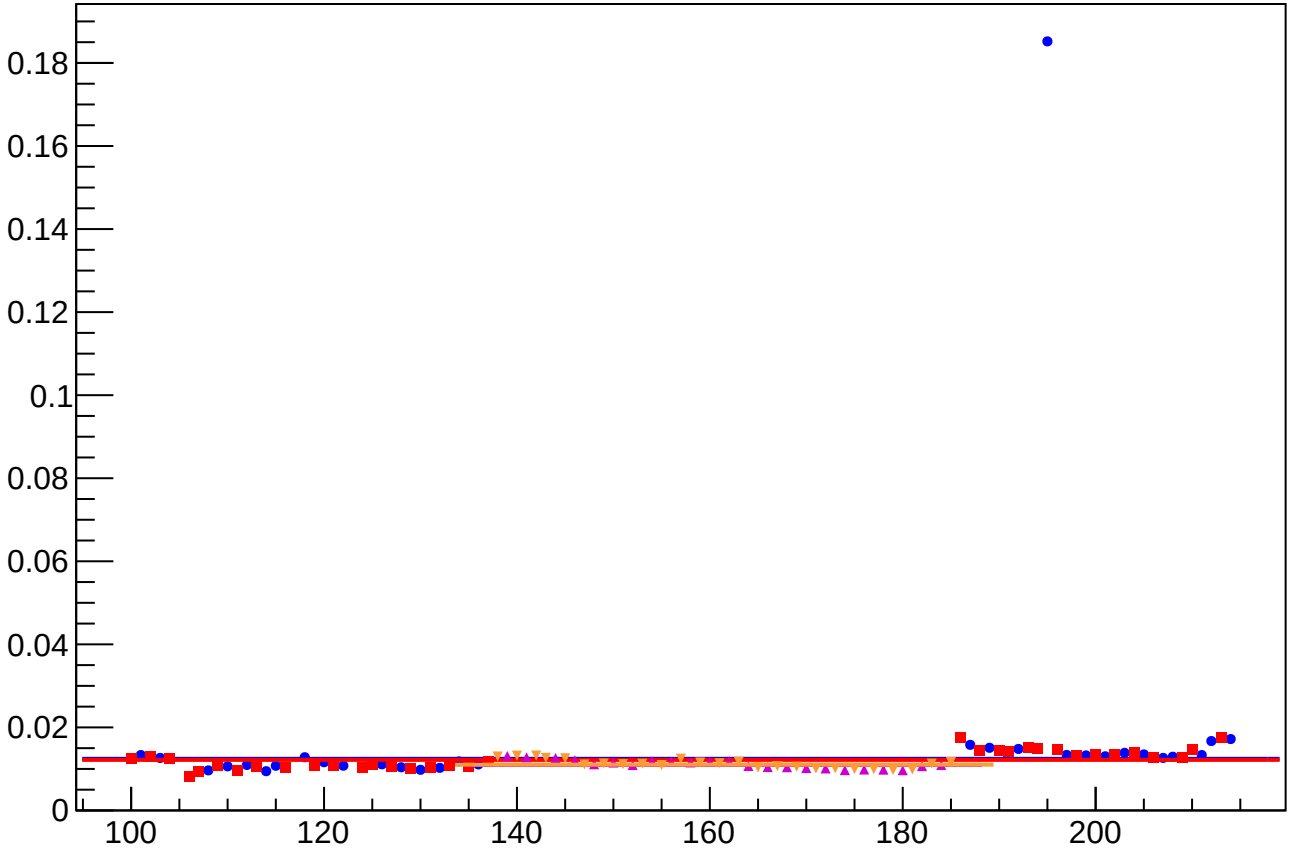
Right: 1.406+/-0.000 χ^2/NDF: 110304334236.2/63

In: 1.017+/-0.000 χ^2/NDF:99879071499.8/52

Out: 0.968+/-0.000 χ^2/NDF:94549213147.4/58

All: 0.991+/-0.000 χ^2/NDF: 194742248884.7

yield_bpm0l09X_rms vs Slug, Sign Corrected



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

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

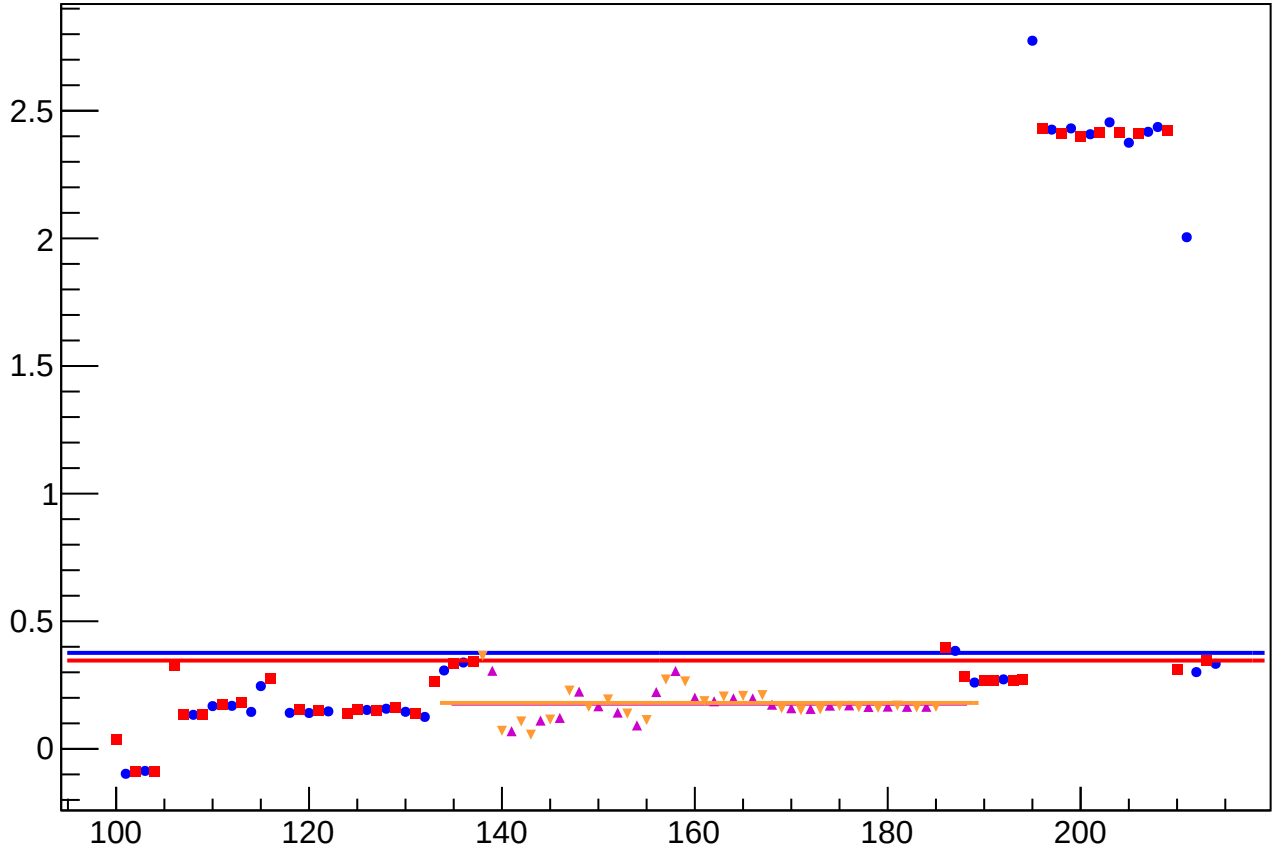
Right: 0.012+/-0.000 χ^2/NDF: 3276910.2/63

In: 0.012+/-0.000 χ^2/NDF:2814197.0/52

Out: 0.012+/-0.000 χ^2/NDF:1481974.9/58

All: 0.012+/-0.000 χ^2/NDF: 4297052.2/111

yield_bpm0l09Y_mean vs Slug, Sign Corrected



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

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

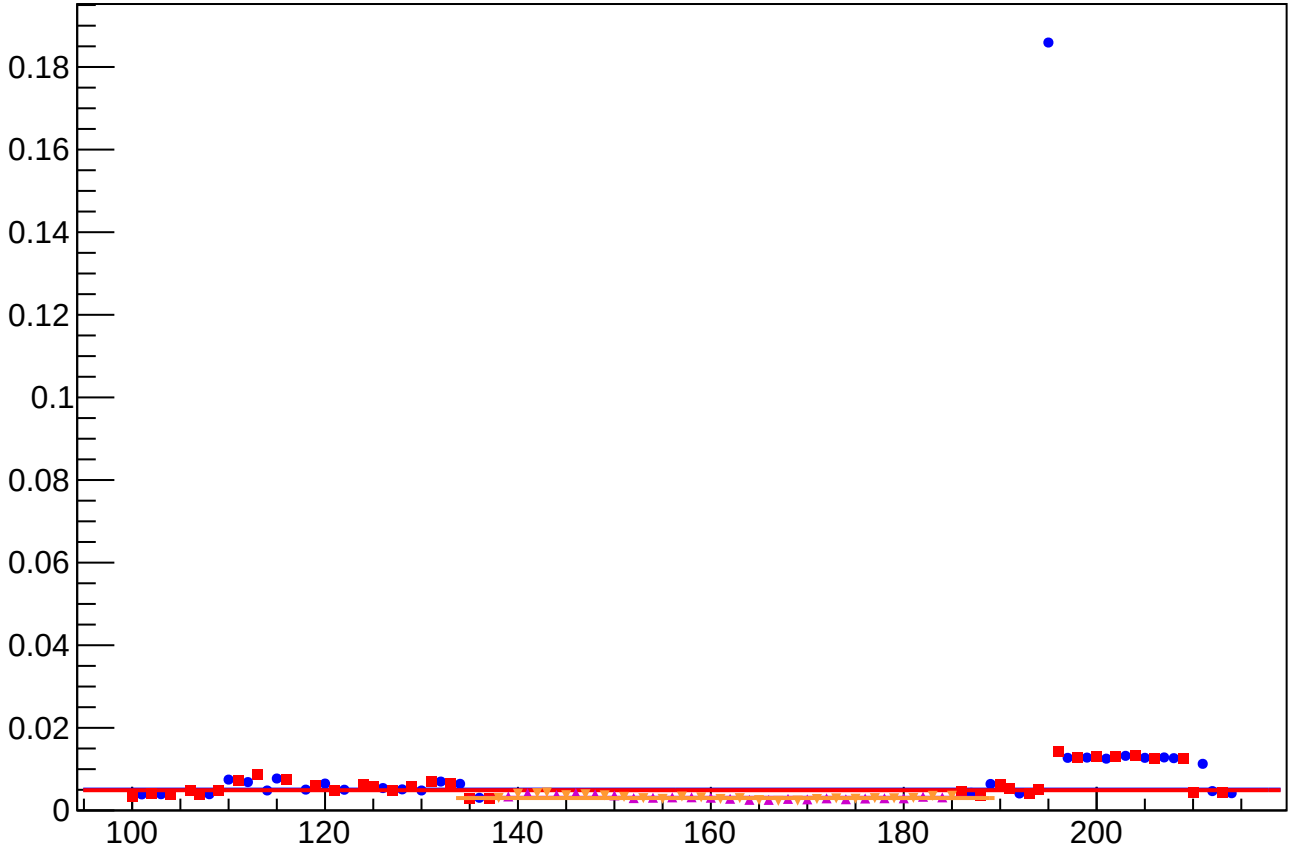
Right: 0.360+/-0.000 χ^2/NDF: 354875962716.6/63

In: 0.221+/-0.000 χ^2/NDF:211446397462.7/52

Out: 0.218+/-0.000 χ^2/NDF:182137554835.1/58

All: 0.220+/-0.000 χ^2/NDF: 393598185008.2

yield_bpm0l09Y_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

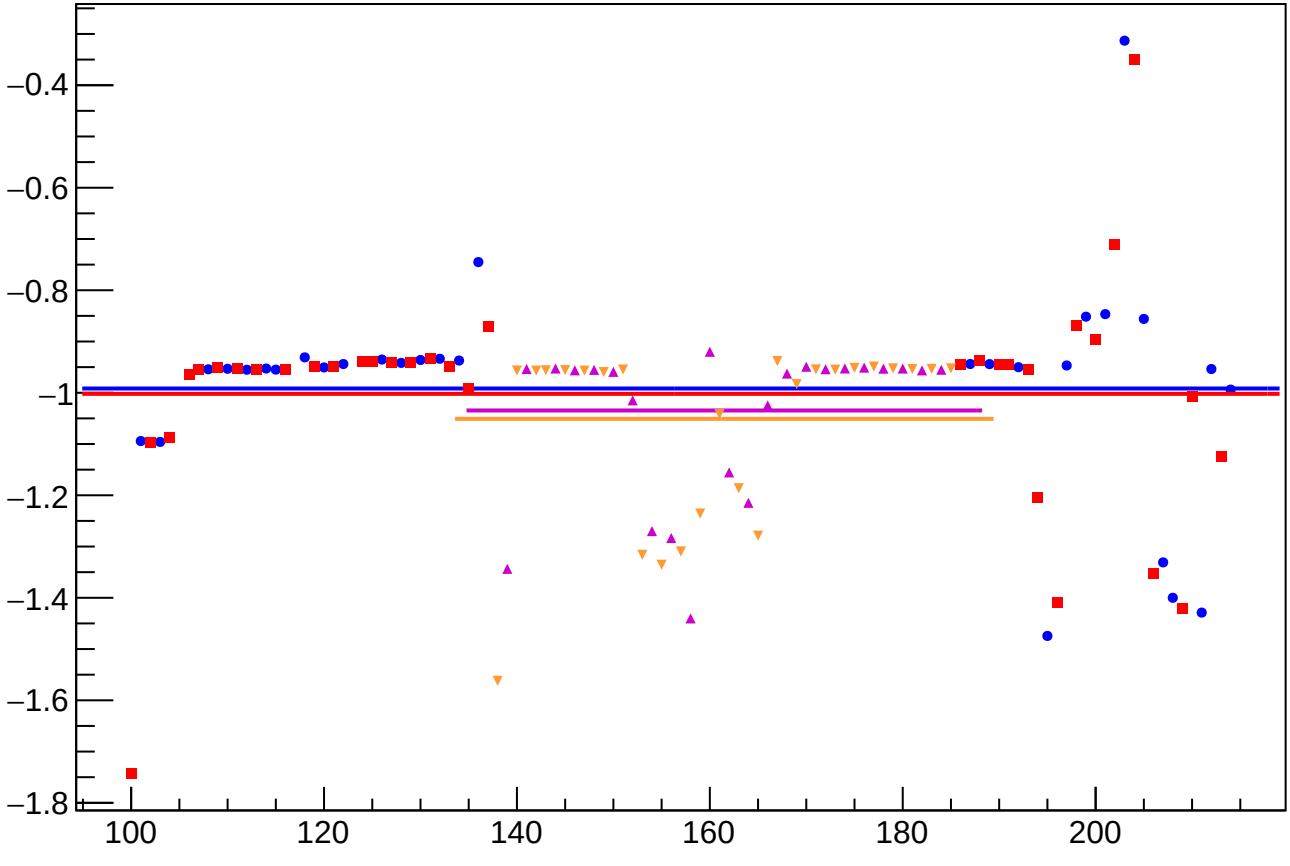
Right: 0.005+/-0.000 χ^2/NDF: 13815964.8/63

In: 0.004+/-0.000 χ^2/NDF:11521197.1/52

Out: 0.003+/-0.000 χ^2/NDF:10056625.9/58

All: 0.003+/-0.000 χ^2/NDF: 21592250.2/111

yield_bpm0l10X_mean vs Slug, Sign Corrected



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

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

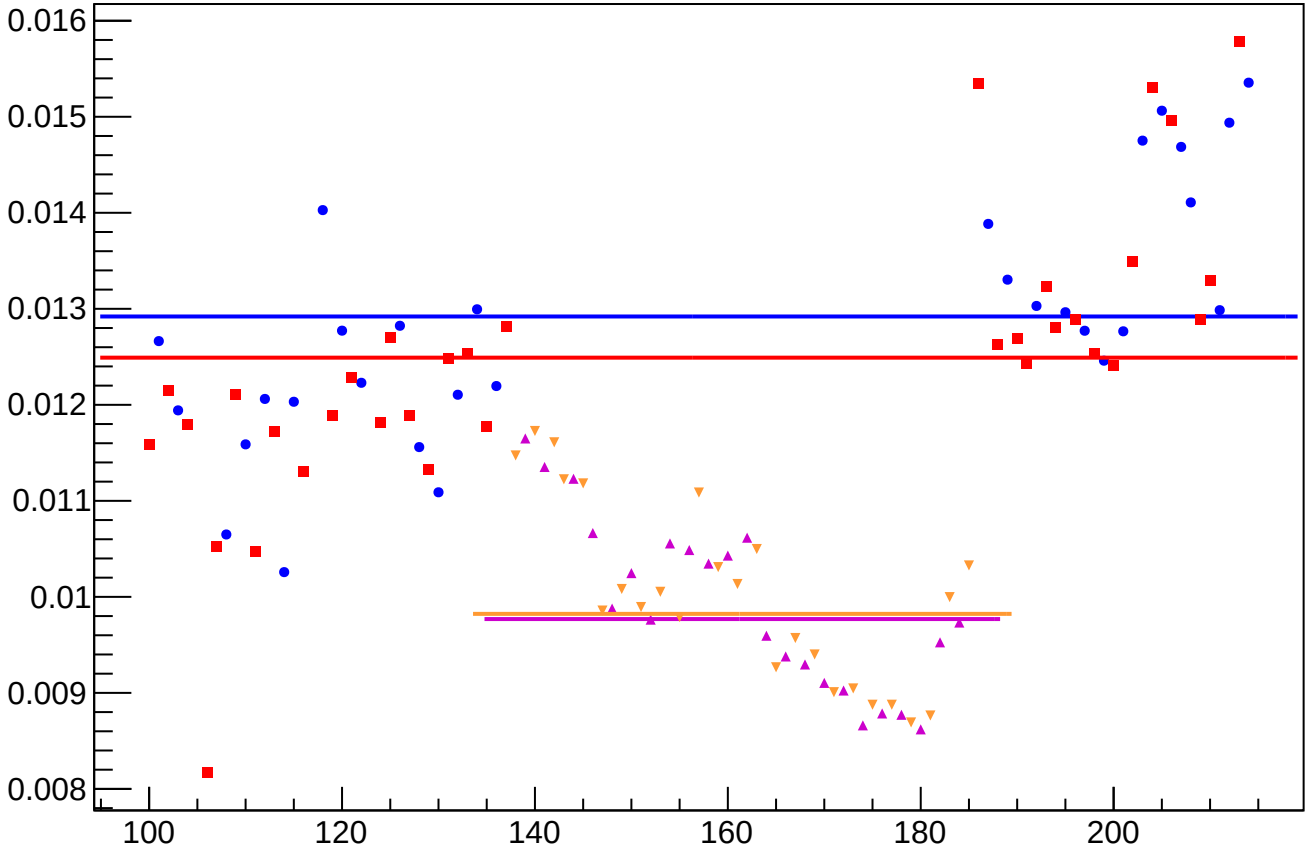
Right: -0.997+/-0.000 χ^2/NDF: 10903594316.1/63

In: -1.019+/-0.000 χ^2/NDF:9868345364.6/52

Out: -1.032+/-0.000 χ^2/NDF:10332077279.0/58

All: -1.026+/-0.000 χ^2/NDF: 20227308610.3/

yield_bpm0l10X_rms vs Slug, Sign Corrected



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

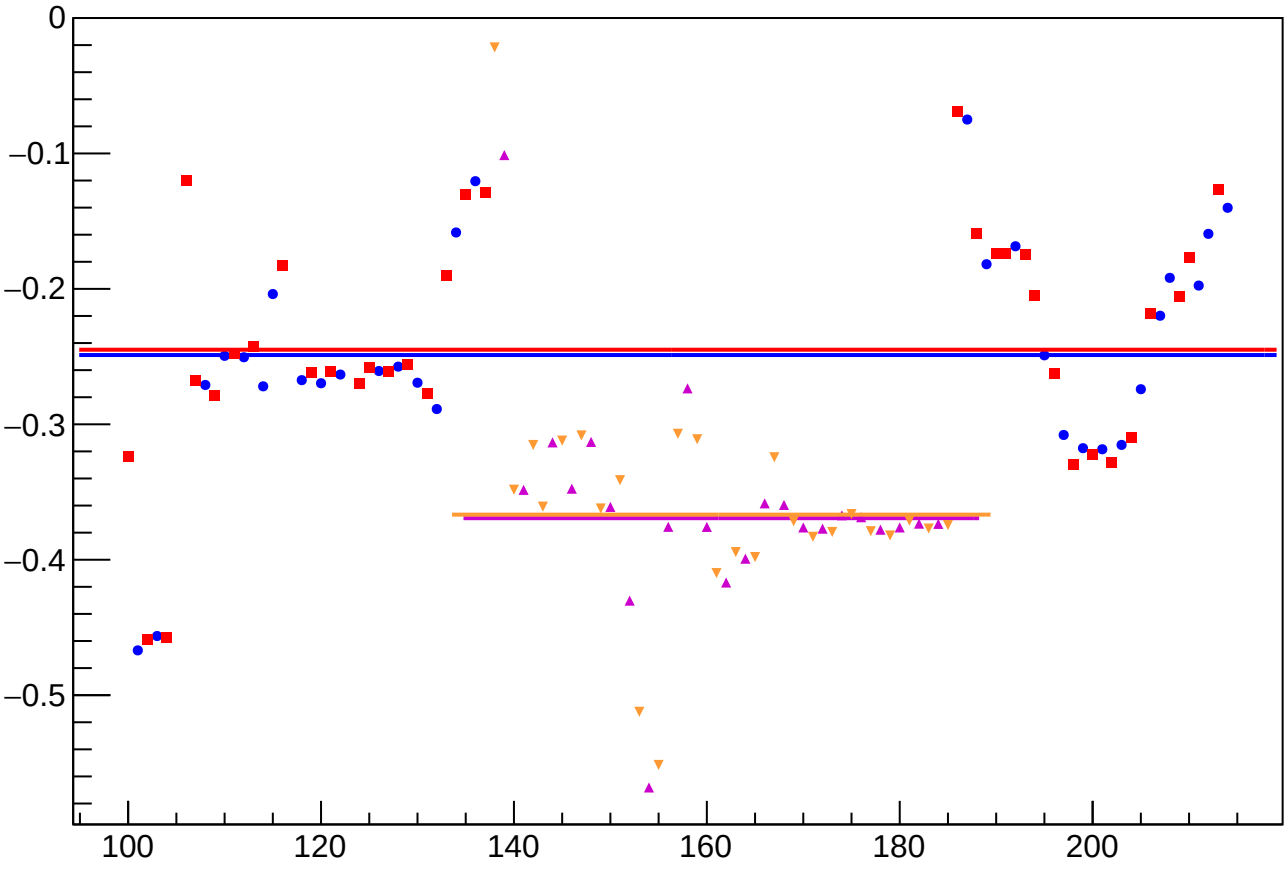
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.013+/-0.000 χ^2/NDF: 816541.8/63

In: 0.011+/-0.000 χ^2/NDF:1913352.3/52

Out: 0.011+/-0.000 χ^2/NDF:1816845.8/58

All: 0.011+/-0.000 χ^2/NDF: 3732149.0/111



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

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

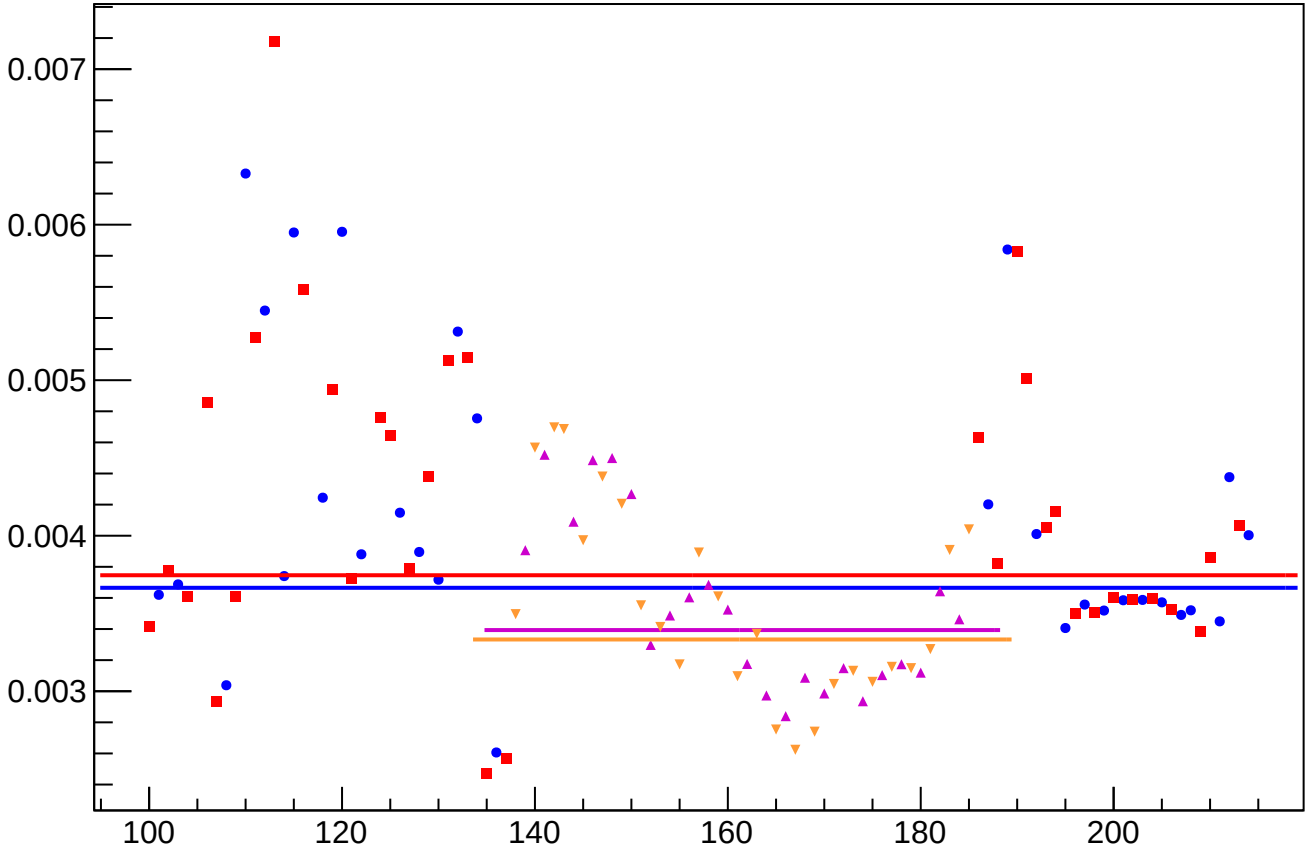
Right: -0.247+/-0.000 χ^2/NDF: 19041247057.3/63

In: -0.314+/-0.000 χ^2/NDF:26645223271.5/52

Out: -0.314+/-0.000 χ^2/NDF:31669625784.6/58

All: -0.314+/-0.000 χ^2/NDF: 58314970213.8/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

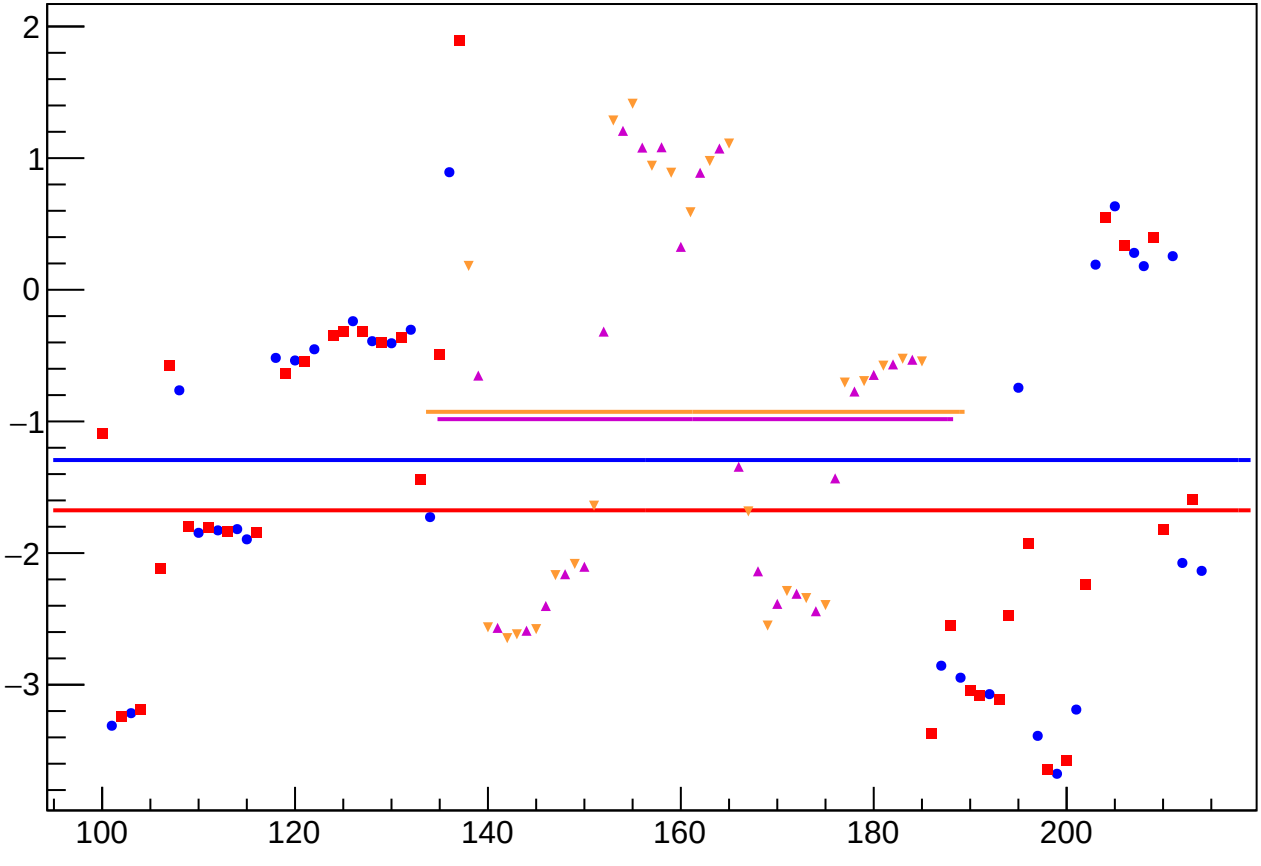
Right: 0.004+/-0.000 χ^2/NDF: 2099901.8/63

In: 0.004+/-0.000 χ^2/NDF:1700778.1/52

Out: 0.004+/-0.000 χ^2/NDF:2214156.8/58

All: 0.004+/-0.000 χ^2/NDF: 3915024.0/111

yield_bpm0r03X_mean vs Slug, Sign Corrected



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

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

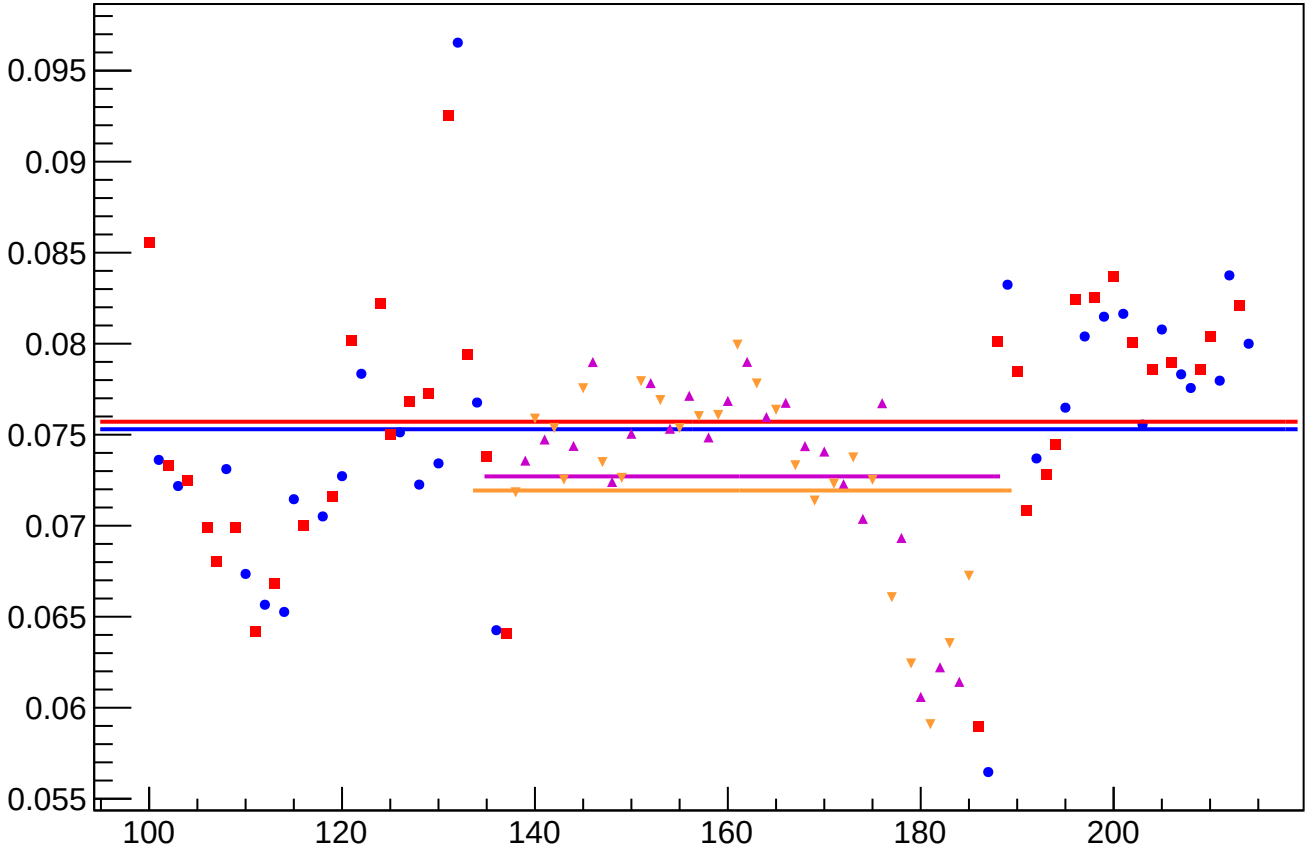
Right: -1.487+/-0.000 χ^2/NDF: 13308665546.0/63

In: -1.133+/-0.000 χ^2/NDF:13160580676.8/52

Out: -1.279+/-0.000 χ^2/NDF:14204682177.2/58

All: -1.208+/-0.000 χ^2/NDF: 27437223921.7/

yield_bpm0r03X_rms vs Slug, Sign Corrected



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

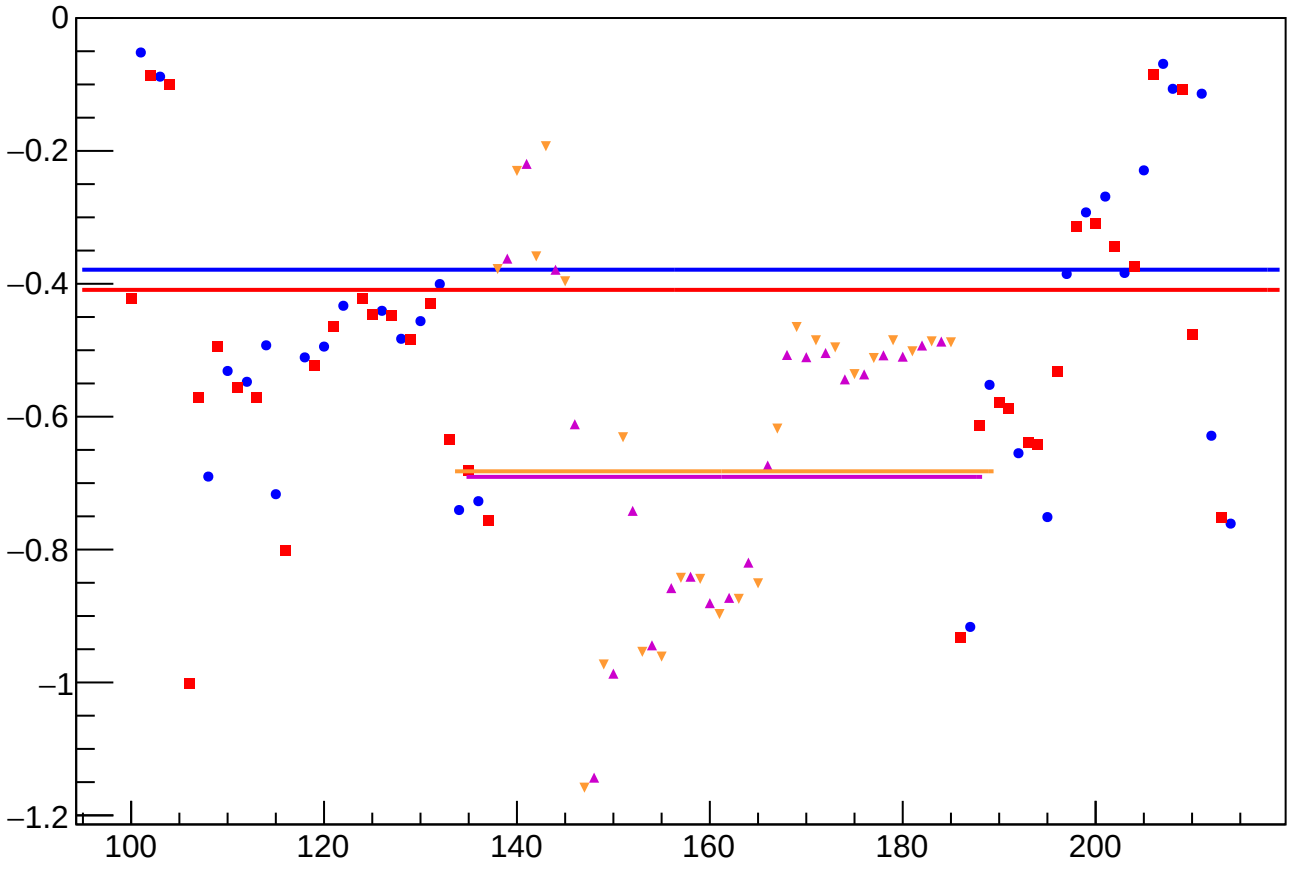
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.076+/-0.000 χ^2/NDF: 517076.3/63

In: 0.074+/-0.000 χ^2/NDF:470633.3/52

Out: 0.074+/-0.000 χ^2/NDF:549594.1/58

All: 0.074+/-0.000 χ^2/NDF: 1020638.0/111



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

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

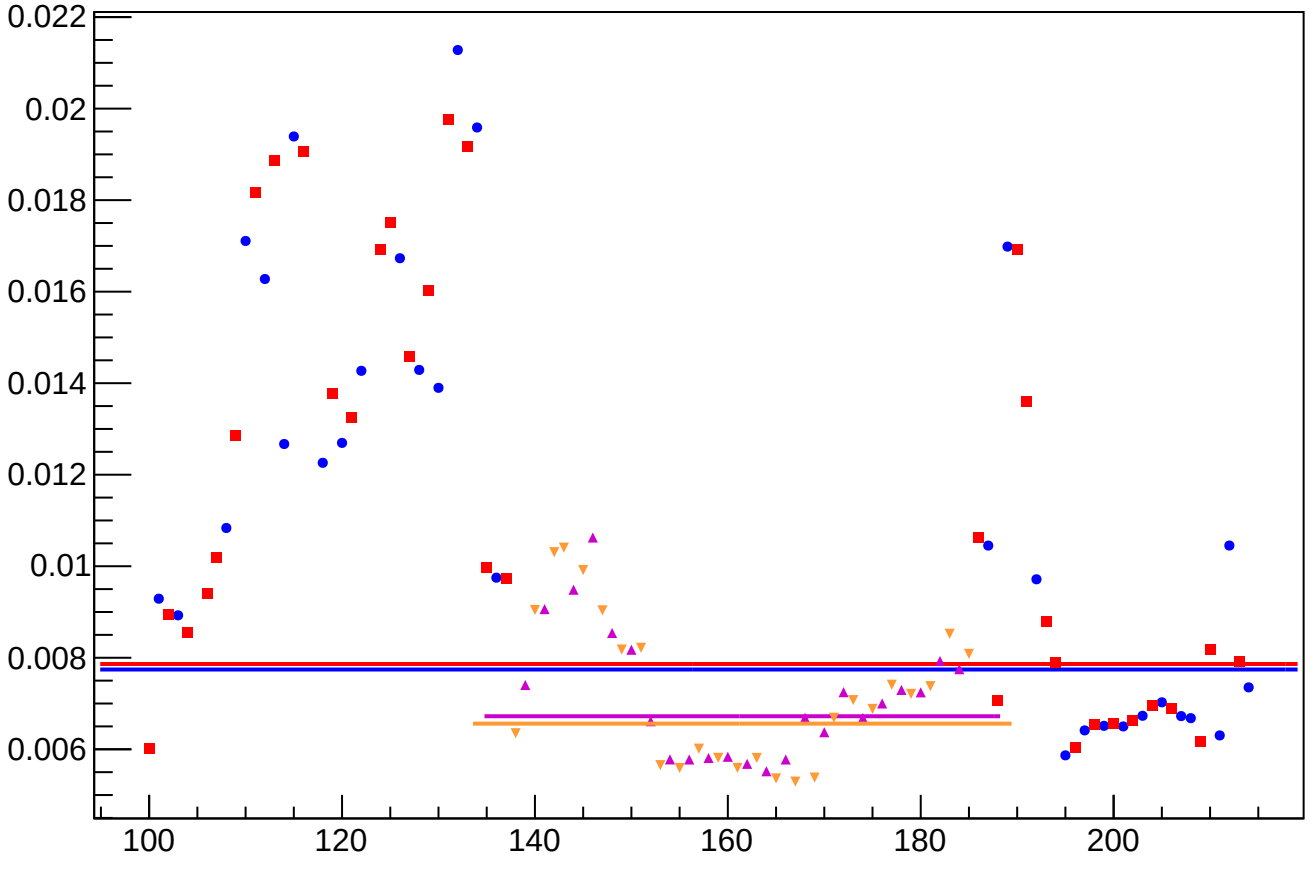
Right: -0.394+/-0.000 χ^2/NDF: 28630879572.0/63

In: -0.562+/-0.000 χ^2/NDF:47585483308.1/52

Out: -0.577+/-0.000 χ^2/NDF:46093807465.7/58

All: -0.570+/-0.000 χ^2/NDF: 93750776634.9/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

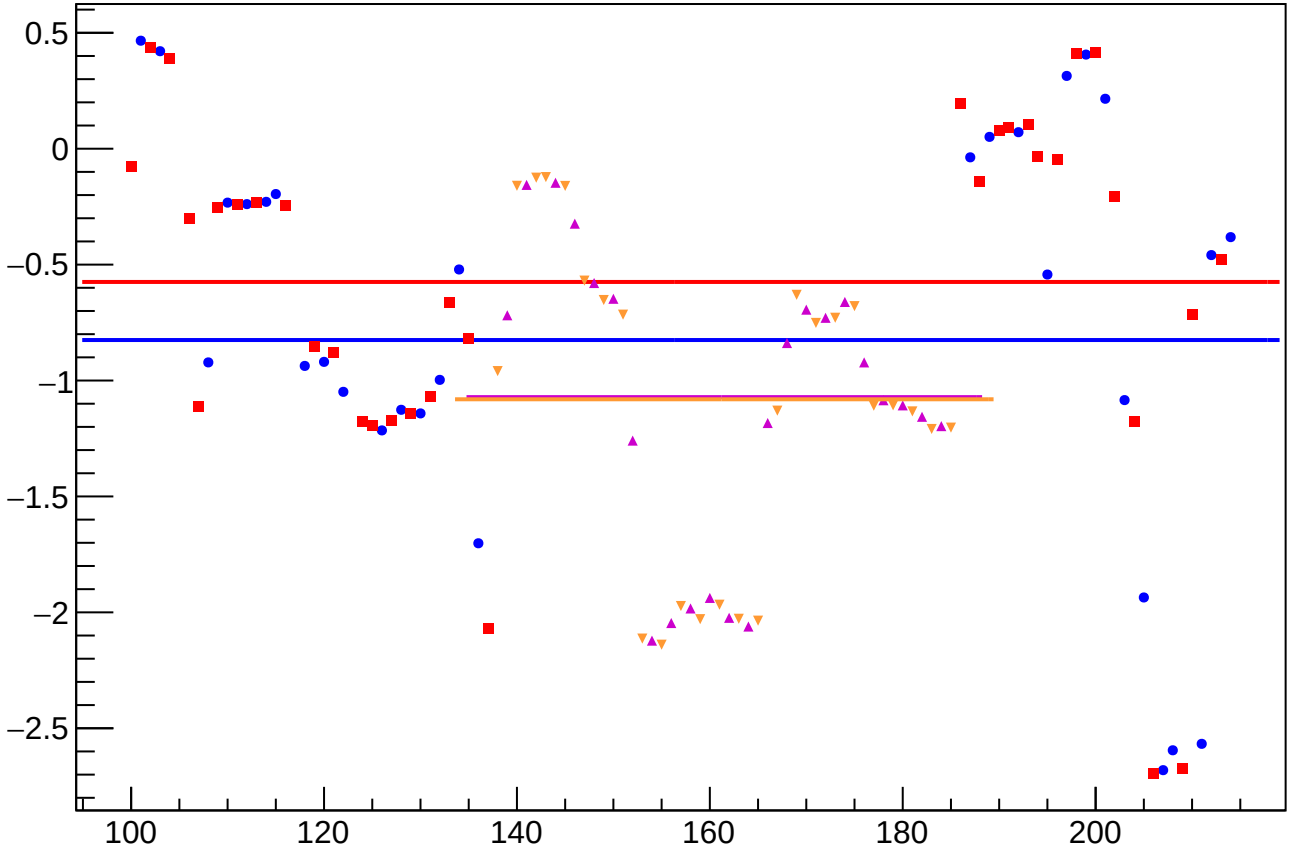
Right: 0.008+/-0.000 χ^2/NDF: 6447253.4/63

In: 0.007+/-0.000 χ^2/NDF:4464077.0/52

Out: 0.007+/-0.000 χ^2/NDF:5194509.4/58

All: 0.007+/-0.000 χ^2/NDF: 9662768.2/111

yield_bpm0r05X_mean vs Slug, Sign Corrected



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

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

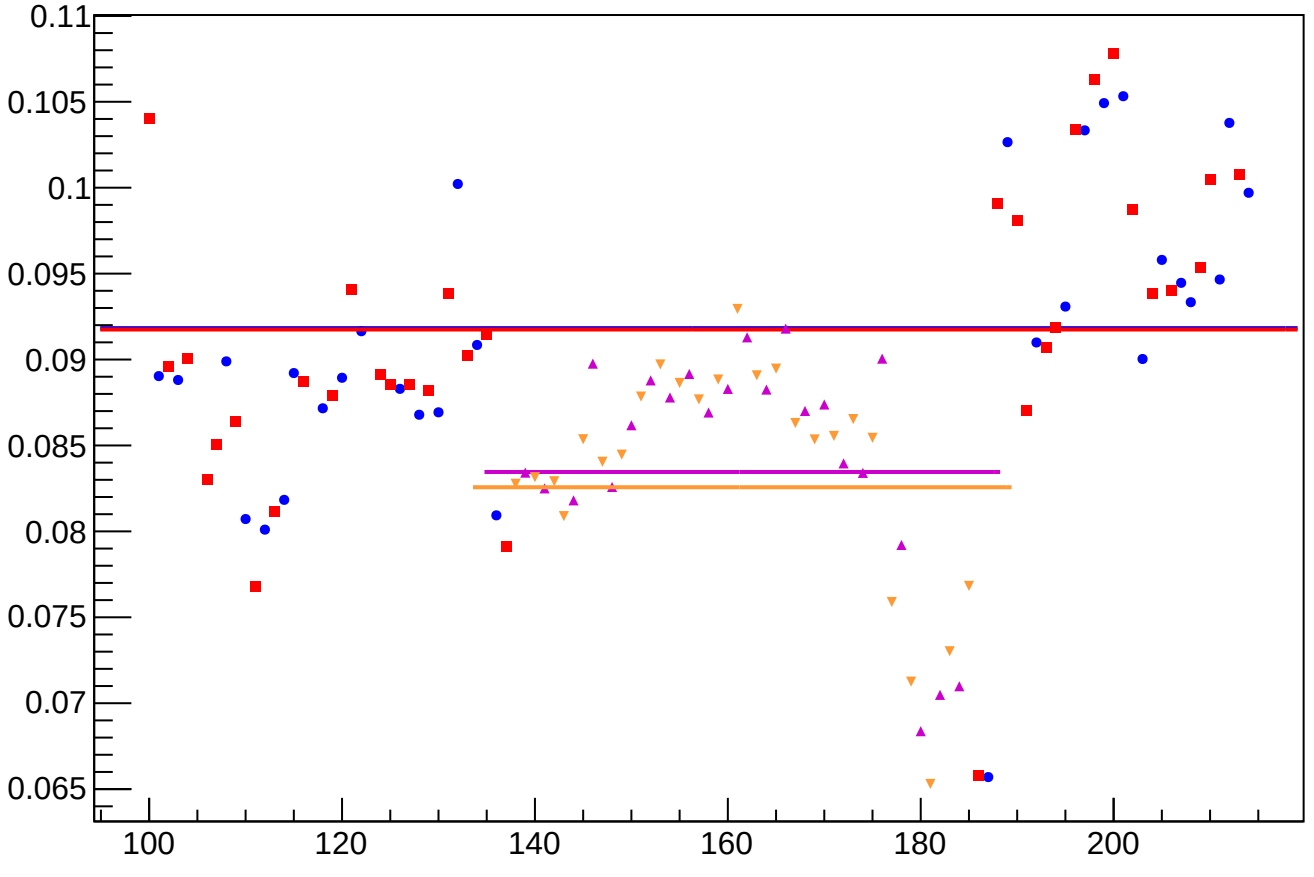
Right: -0.698+/-0.000 χ^2/NDF: 3712384560.6/63

In: -0.960+/-0.000 χ^2/NDF:3029715577.6/52

Out: -0.856+/-0.000 χ^2/NDF:3131594923.7/58

All: -0.907+/-0.000 χ^2/NDF: 6187577995.4/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



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

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

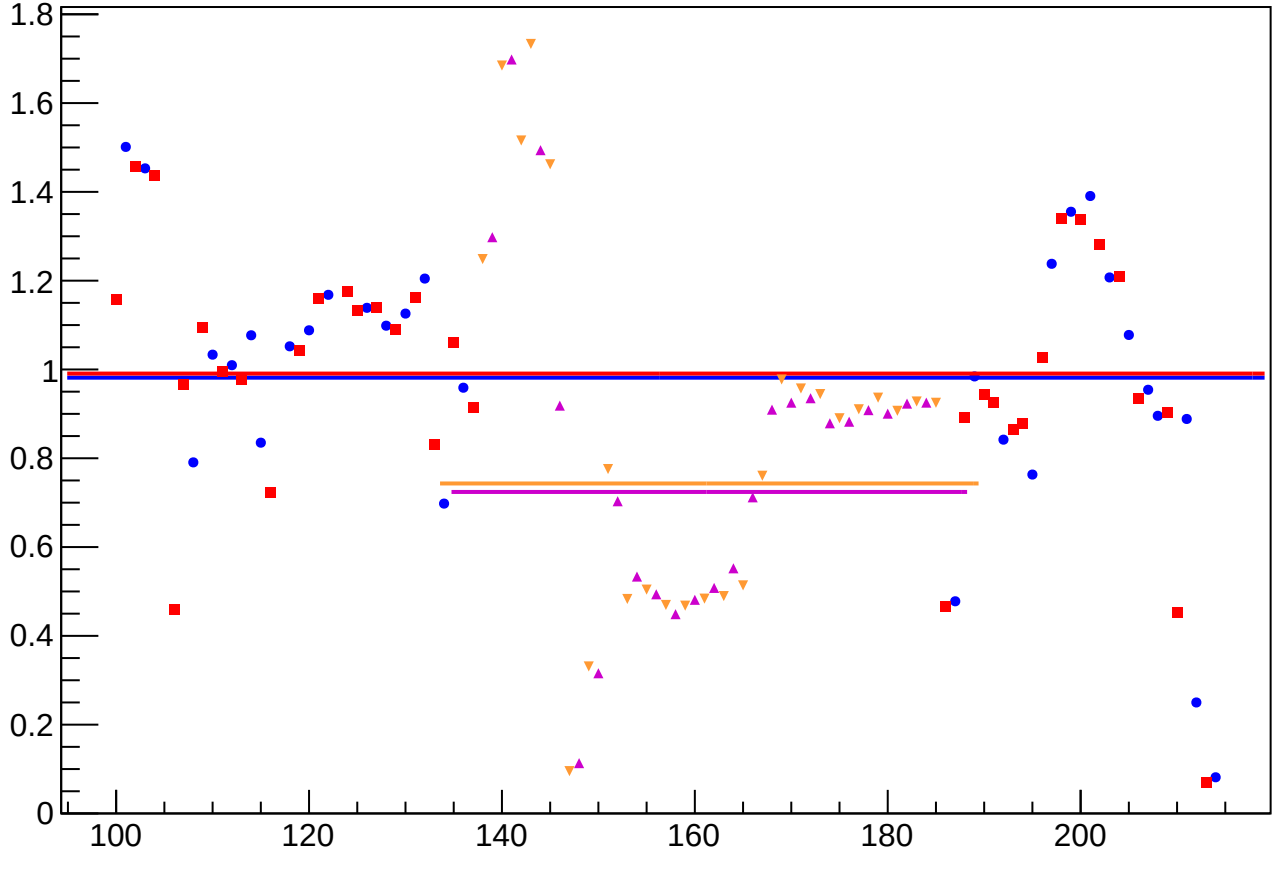
Right: 0.092+/-0.000 χ^2/NDF: 636913.0/63

In: 0.087+/-0.000 χ^2/NDF:679589.2/52

Out: 0.087+/-0.000 χ^2/NDF:860989.6/58

All: 0.087+/-0.000 χ^2/NDF: 1542365.3/111

yield_bpm0r05Y_mean vs Slug, Sign Corrected



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

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

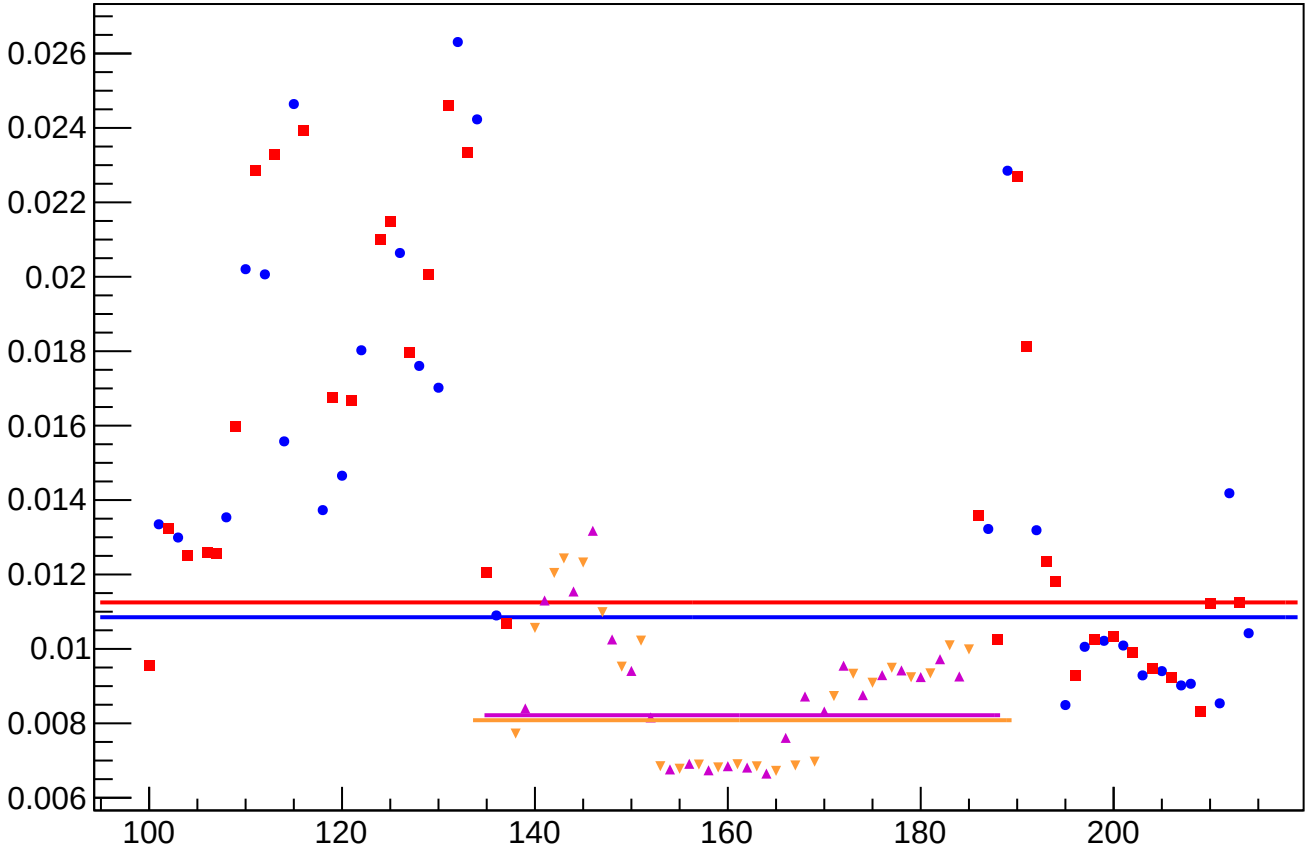
Right: 0.986+/-0.000 χ^2/NDF: 28258638190.8/63

In: 0.815+/-0.000 χ^2/NDF:46280365835.8/52

Out: 0.823+/-0.000 χ^2/NDF:51318564503.2/58

All: 0.819+/-0.000 χ^2/NDF: 97610974085.2/1

yield_bpm0r05Y_rms vs Slug, Sign Corrected



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

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

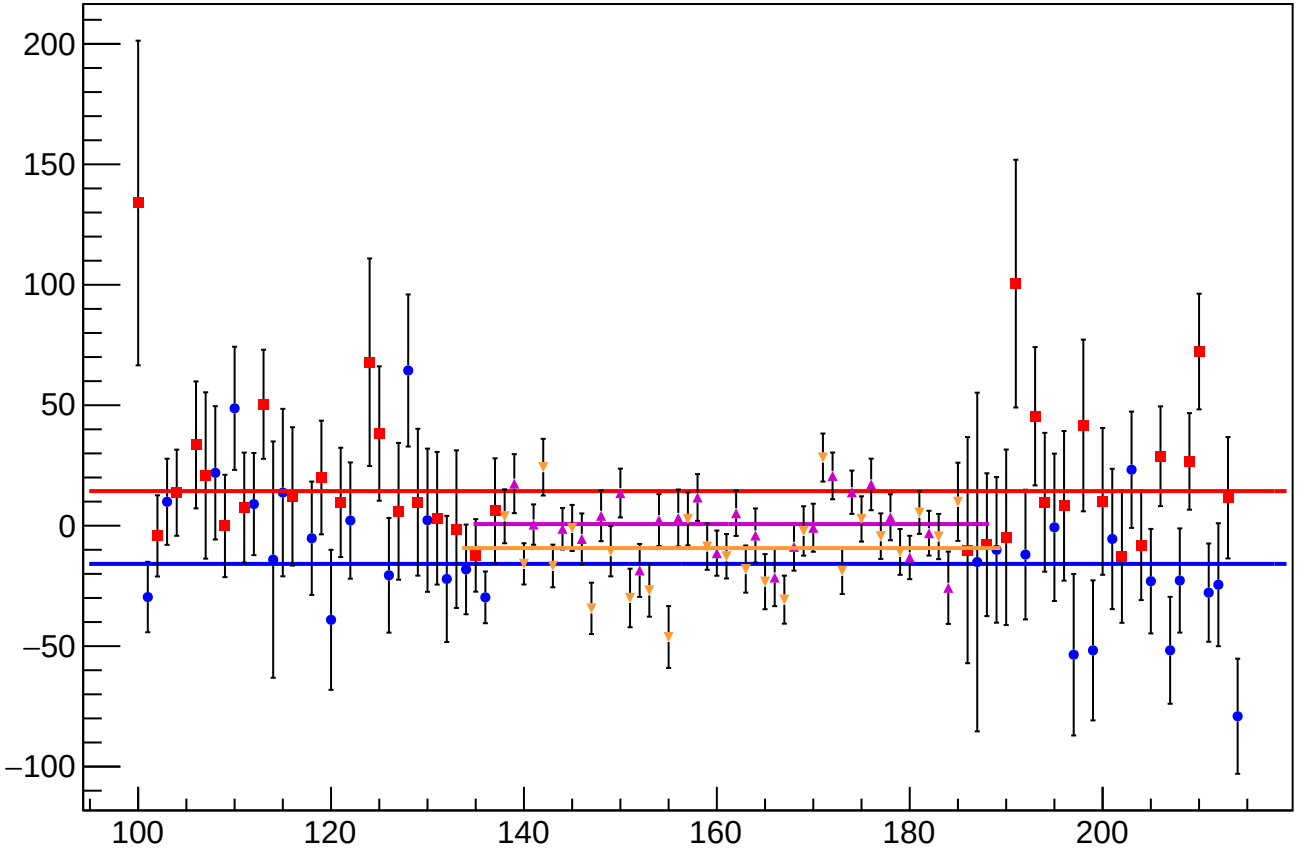
Right: 0.011+/-0.000 χ^2/NDF: 4875601.9/63

In: 0.009+/-0.000 χ^2/NDF:4735104.6/52

Out: 0.009+/-0.000 χ^2/NDF:5607501.8/58

All: 0.009+/-0.000 χ^2/NDF: 10343430.9/111

diff_bpm4aX_mean vs Slug, Sign Corrected



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

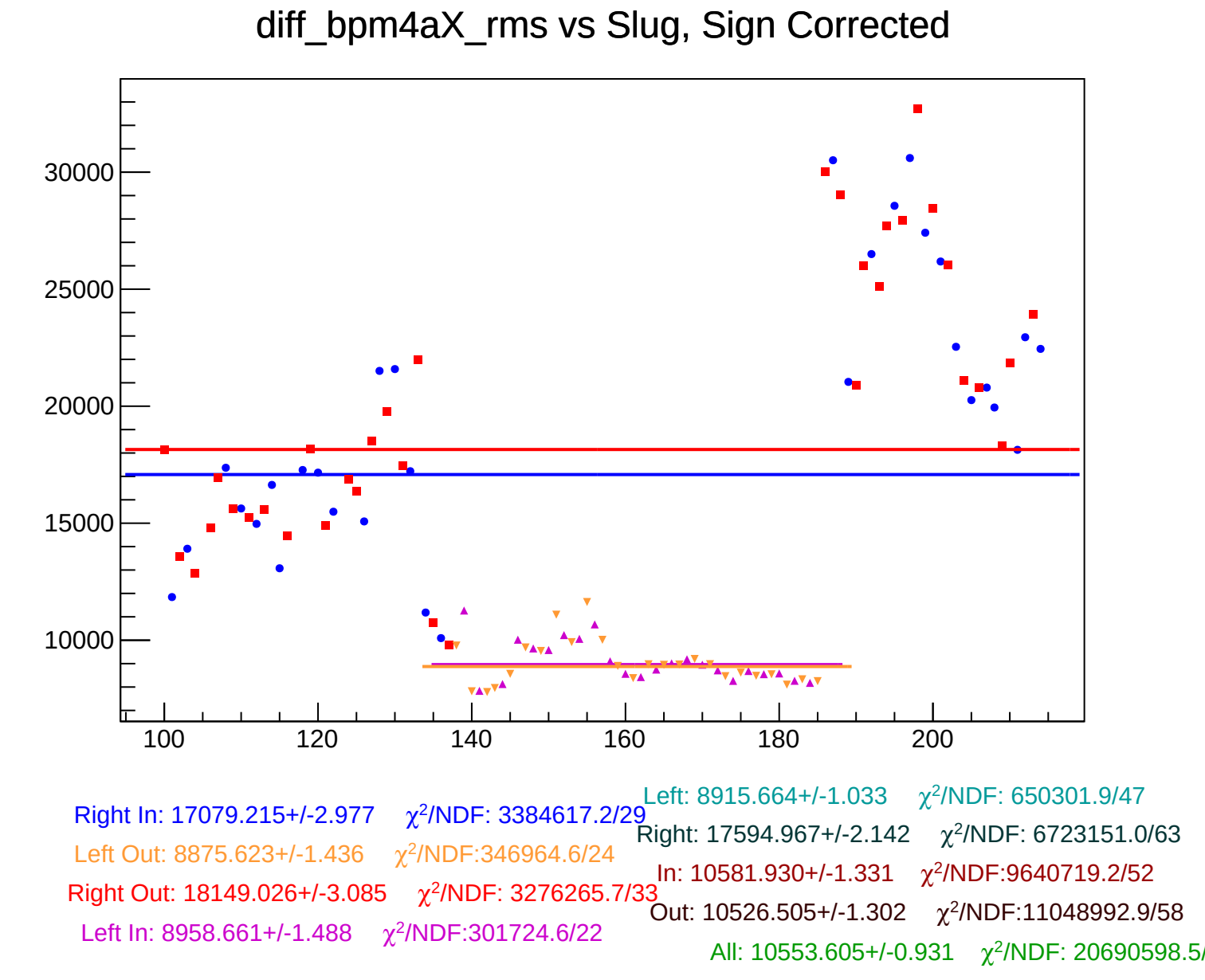
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: -1.288+/-3.030 χ^2/NDF: 92.9/63

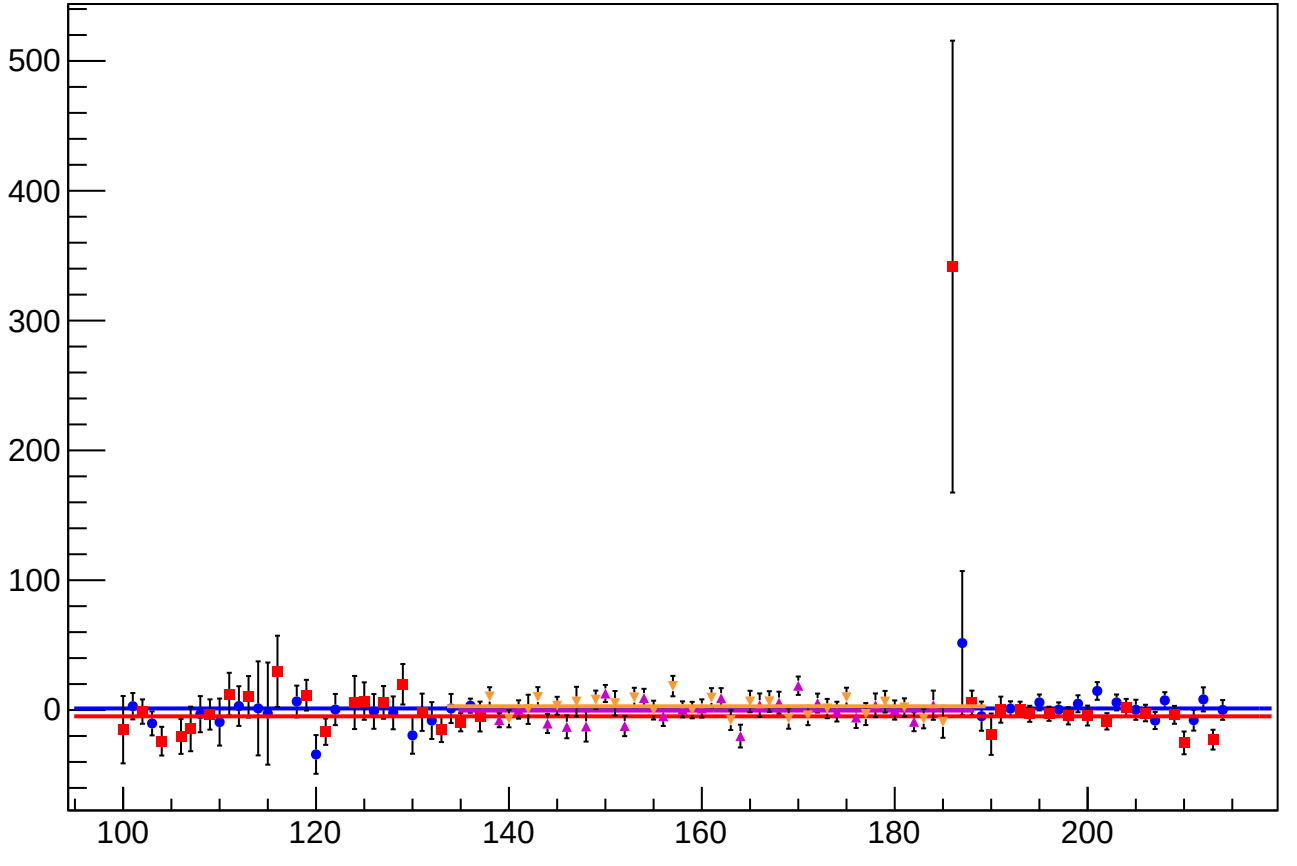
In: -2.629+/-1.882 χ^2/NDF:81.2/52

Out: -5.080+/-1.841 χ^2/NDF:113.9/58

All: -3.882+/-1.316 χ^2/NDF: 196.0/111


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 17079.215+/-2.977 χ²/NDF: 3384617.2/29
Left Out: 8875.623+/-1.436 χ²/NDF:346964.6/24
Right Out: 18149.026+/-3.085 χ²/NDF: 3276265.7/33
Left In: 8958.661+/-1.488 χ²/NDF:301724.6/22
Left: 8915.664+/-1.033 χ²/NDF: 650301.9/47
Right: 17594.967+/-2.142 χ²/NDF: 6723151.0/63
In: 10581.930+/-1.331 χ²/NDF:9640719.2/52
Out: 10526.505+/-1.302 χ²/NDF:11048992.9/58
All: 10553.605+/-0.931 χ²/NDF: 20690598.5/

diff_bpm4aY_mean vs Slug, Sign Corrected



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

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

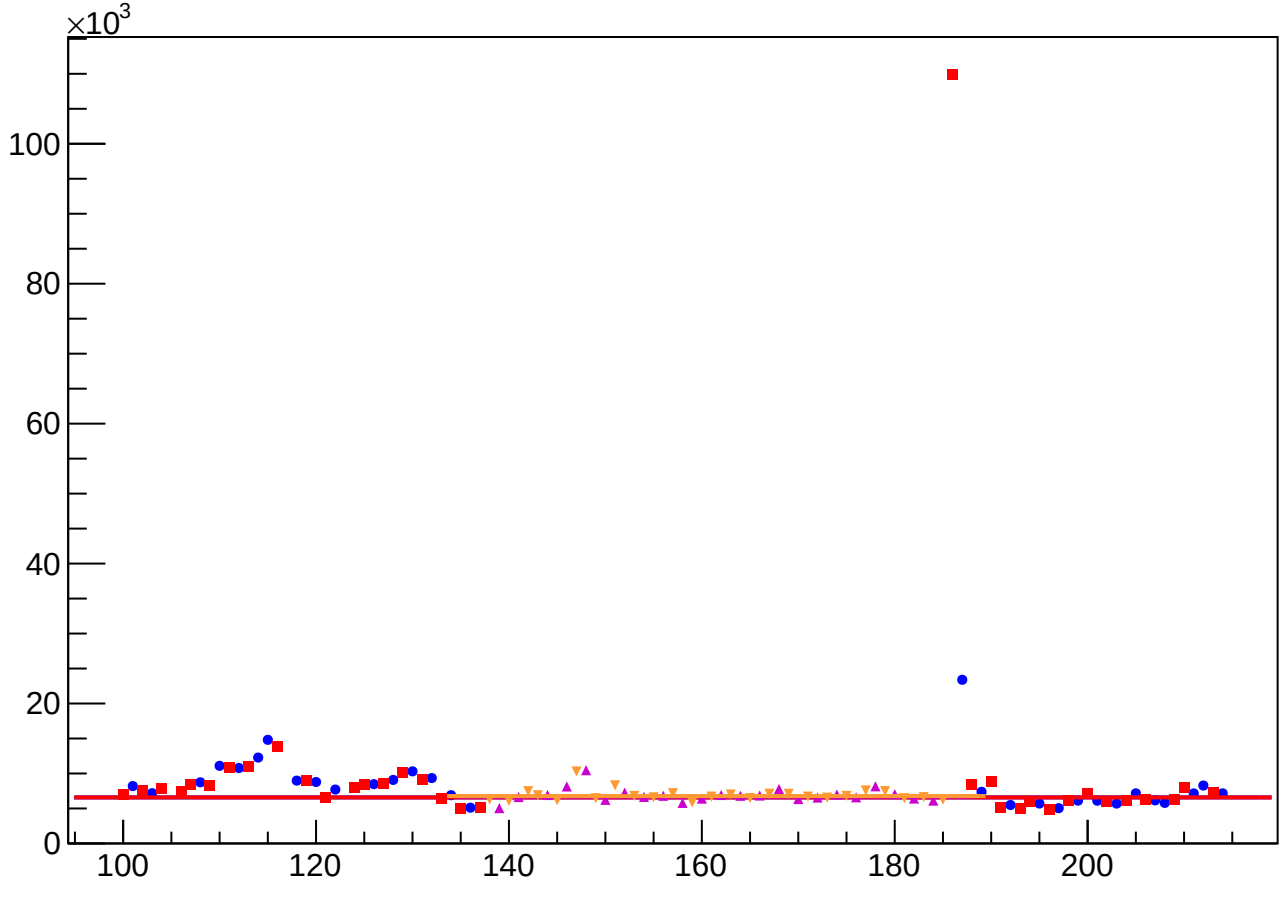
Right: -1.854+/-1.118 χ^2/NDF: 67.0/63

In: 0.372+/-1.121 χ^2/NDF:55.3/52

Out: -0.942+/-1.106 χ^2/NDF:69.3/58

All: -0.294+/-0.787 χ^2/NDF: 125.4/111

diff_bpm4aY_rms vs Slug, Sign Corrected



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

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

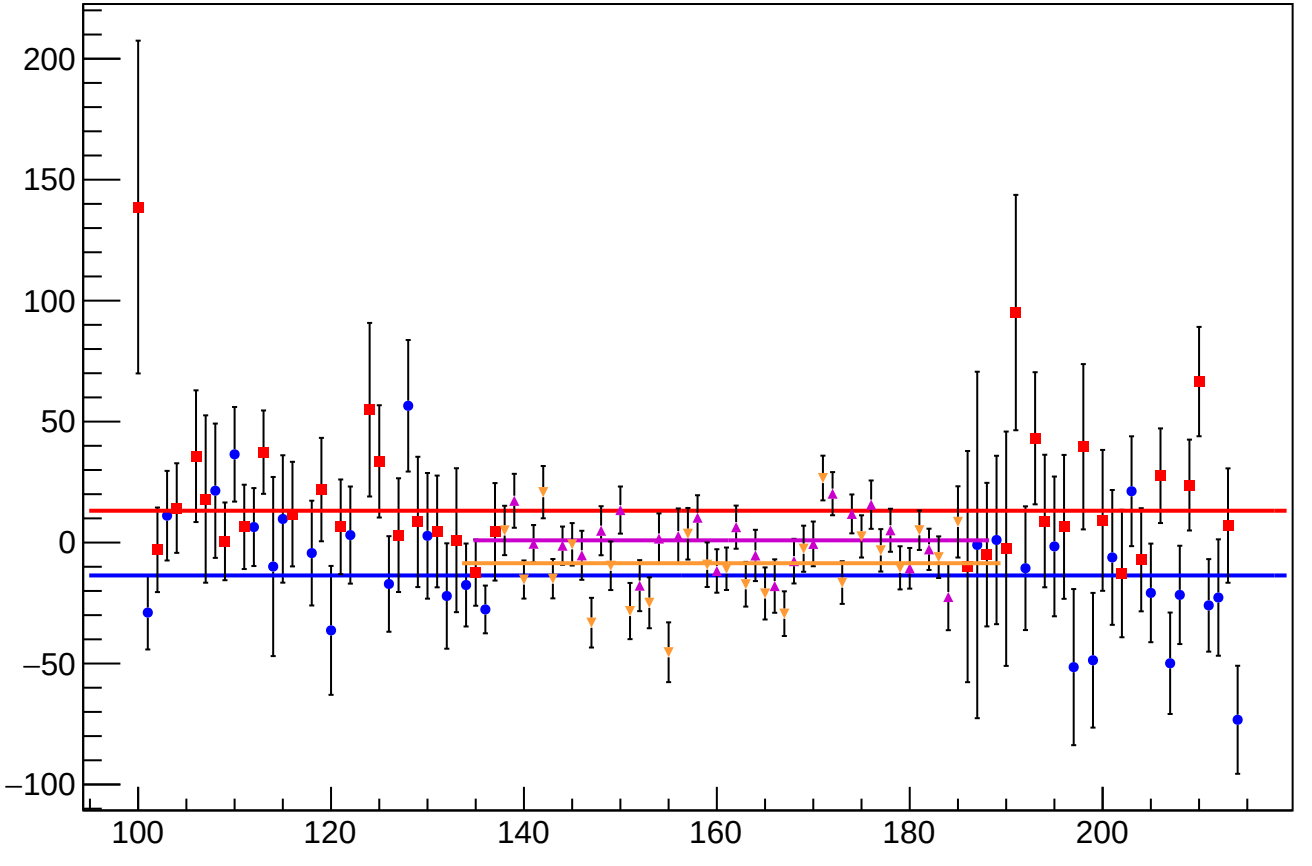
Right: 6577.772+/-0.790 χ^2/NDF: 4200276.6/63

In: 6634.575+/-0.792 χ^2/NDF:2423375.9/52

Out: 6677.840+/-0.782 χ^2/NDF:2818607.0/58

All: 6656.501+/-0.556 χ^2/NDF: 5243493.6/11

diff_bpm4eX_mean vs Slug, Sign Corrected



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

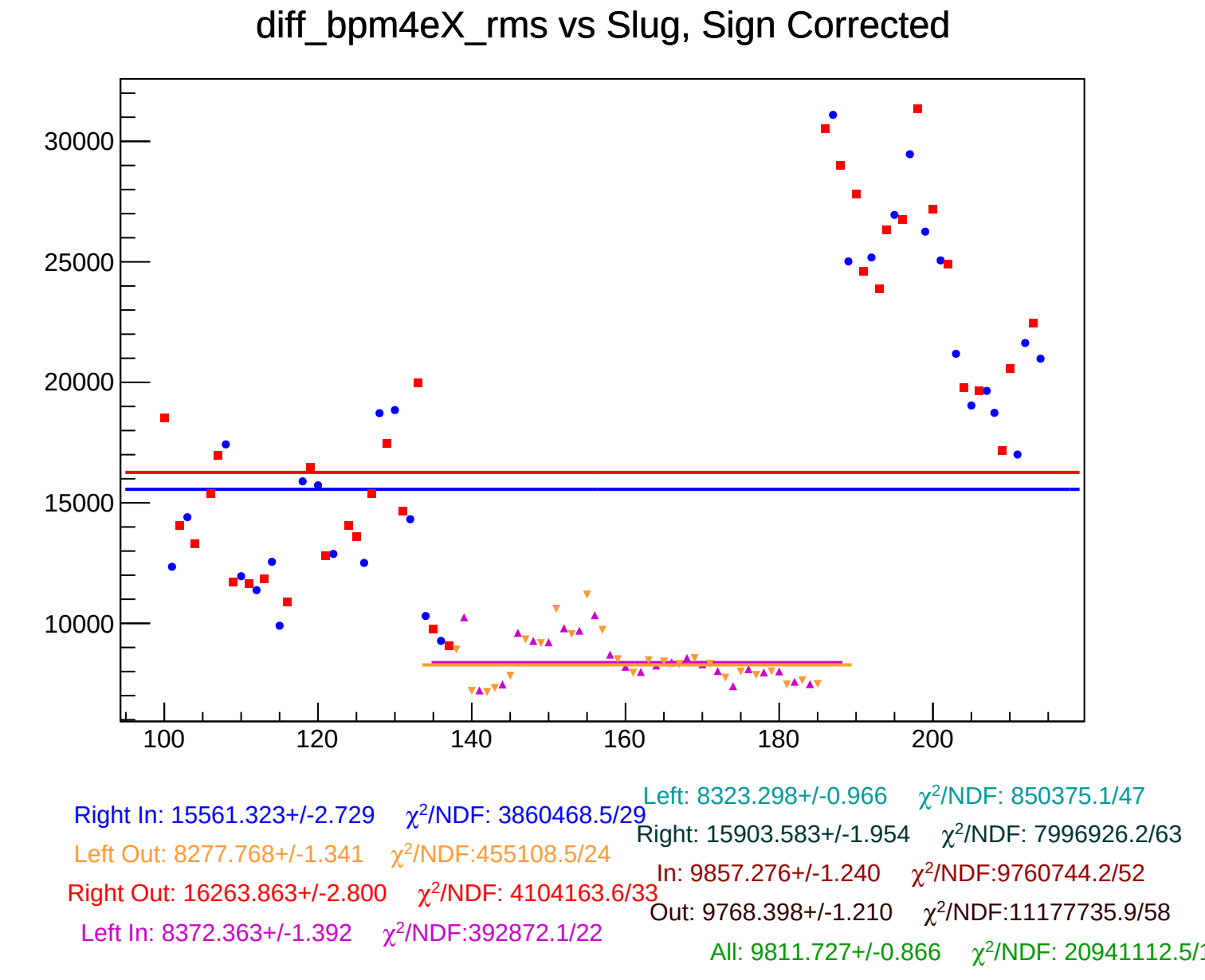
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: -0.562+/-2.763 χ^2/NDF: 92.5/63

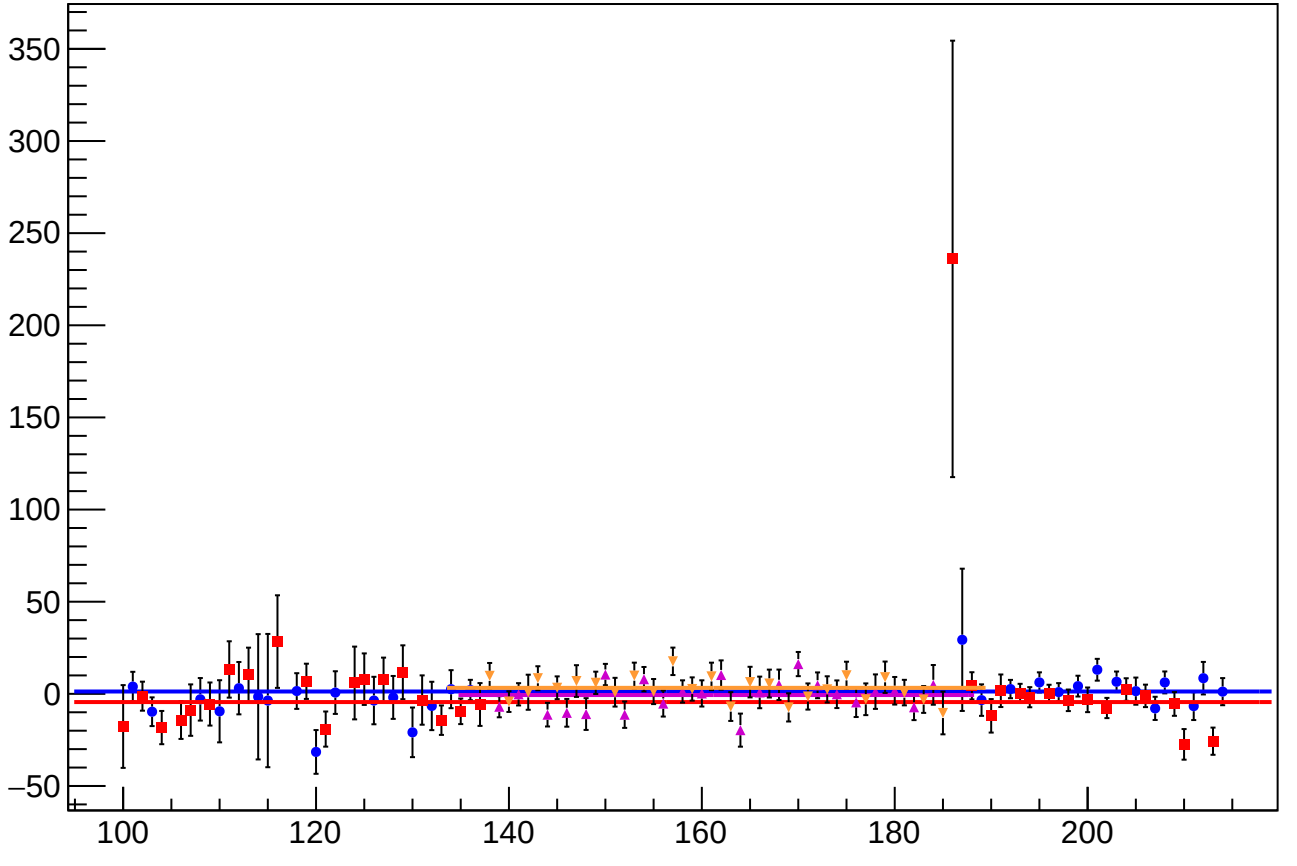
In: -2.078+/-1.754 χ^2/NDF:81.3/52

Out: -4.487+/-1.711 χ^2/NDF:114.4/58

All: -3.313+/-1.225 χ^2/NDF: 196.7/111


diff_bpm4eX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15561.323+/-2.729 χ²/NDF: 3860468.5/29
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 16263.863+/-2.800 χ²/NDF: 4104163.6/33
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 15903.583+/-1.954 χ²/NDF: 7996926.2/63
In: 9857.276+/-1.240 χ²/NDF:9760744.2/52
Out: 9768.398+/-1.210 χ²/NDF:11177735.9/58
All: 9811.727+/-0.866 χ²/NDF: 20941112.5/1

diff_bpm4eY_mean vs Slug, Sign Corrected



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

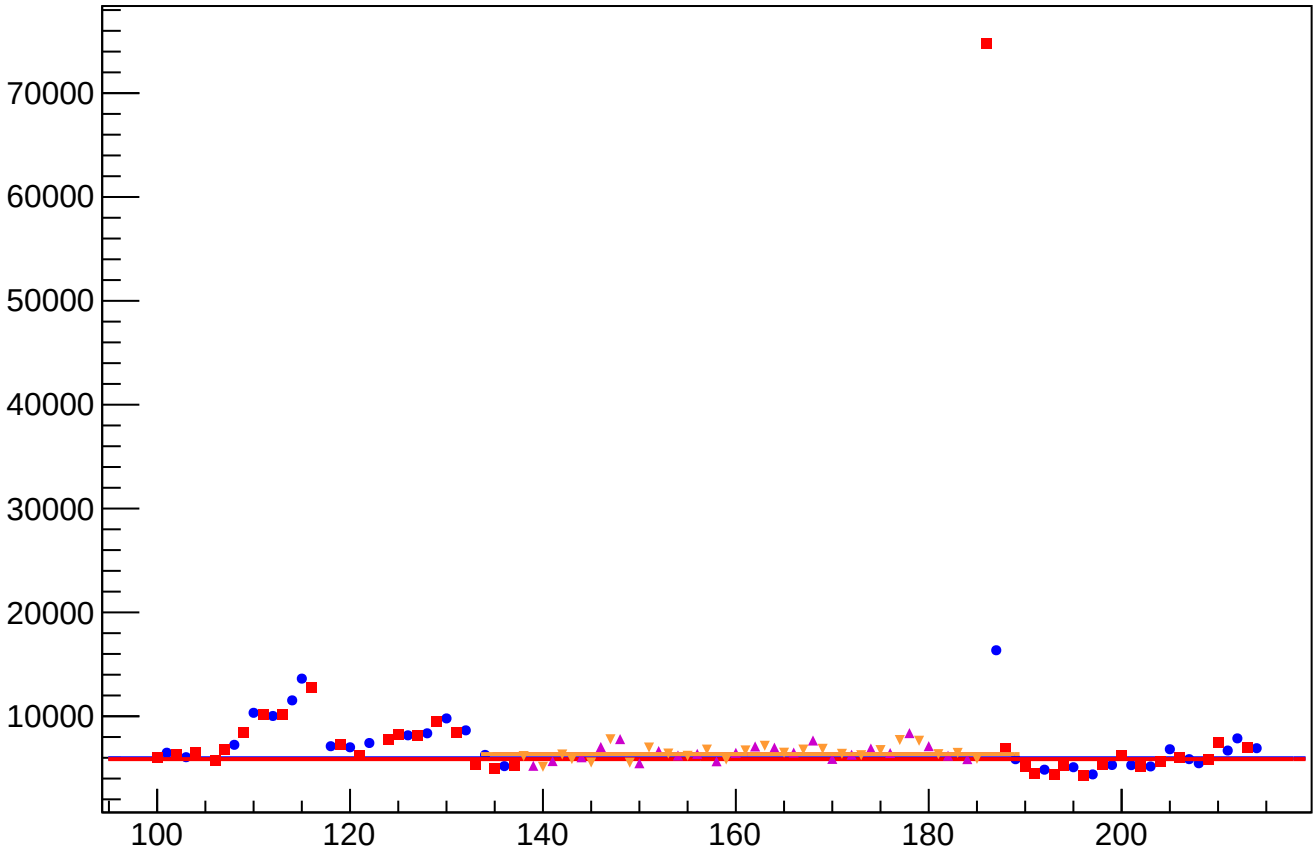
Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

Right: -1.662+/-1.003 χ^2/NDF: 77.0/63

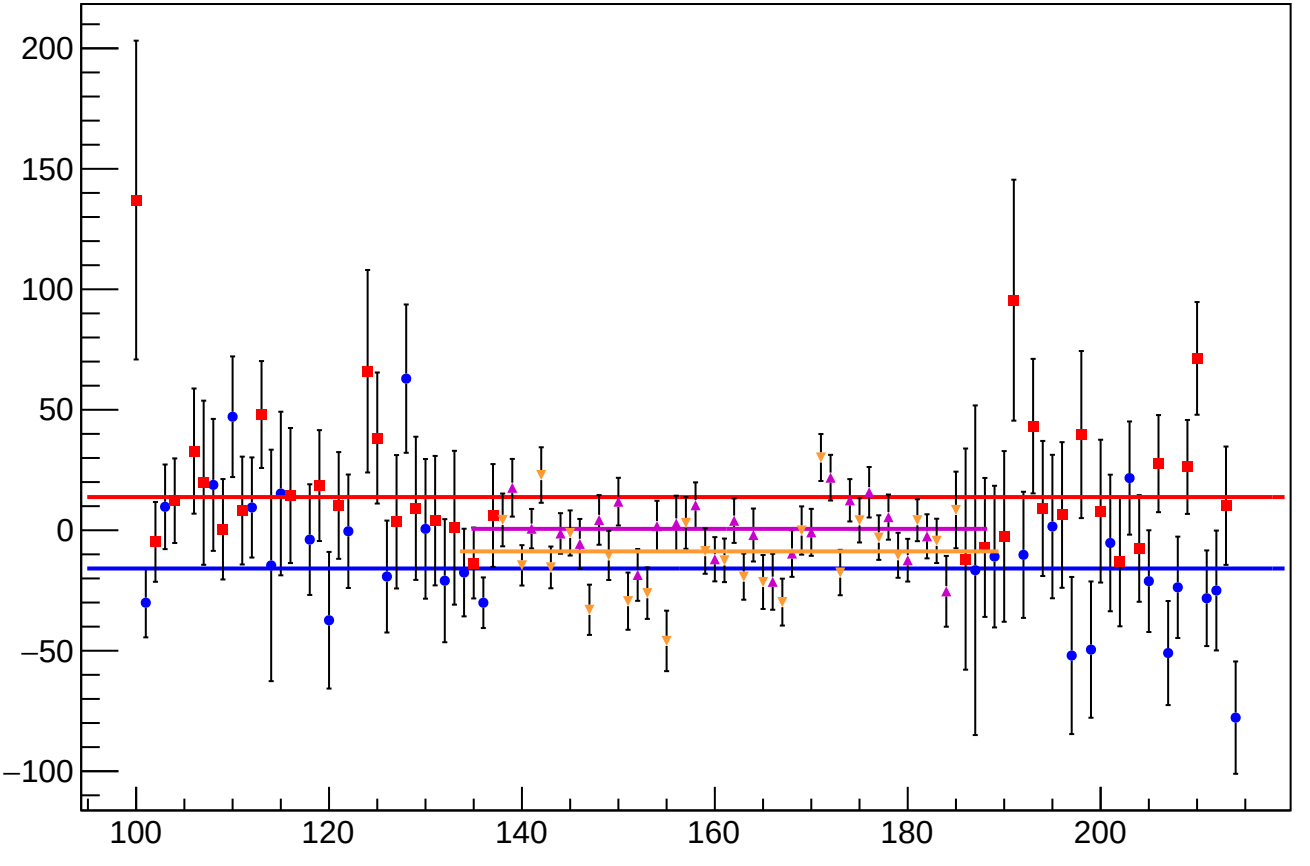
In: 0.356+/-1.037 χ^2/NDF:56.7/52

Out: -0.753+/-1.010 χ^2/NDF:75.9/58

All: -0.213+/-0.723 χ^2/NDF: 133.2/111


diff_bpm4eY_rms vs Slug, Sign Corrected
70000
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 5955.661+/-1.015 χ²/NDF: 1762729.9/29
Left Out: 6357.608+/-1.030 χ²/NDF:414119.5/24
Right Out: 5871.402+/-0.991 χ²/NDF: 2428752.4/33
Left In: 6359.907+/-1.060 χ²/NDF:473875.4/22
Left: 6358.725+/-0.739 χ²/NDF: 887997.3/47
Right: 5912.523+/-0.709 χ²/NDF: 4195011.2/63
In: 6148.976+/-0.733 χ²/NDF:2312476.0/52
Out: 6105.008+/-0.714 χ²/NDF:2958553.6/58
All: 6126.418+/-0.512 χ²/NDF: 5272875.0/11

diff_bpm4acX_mean vs Slug, Sign Corrected



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

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

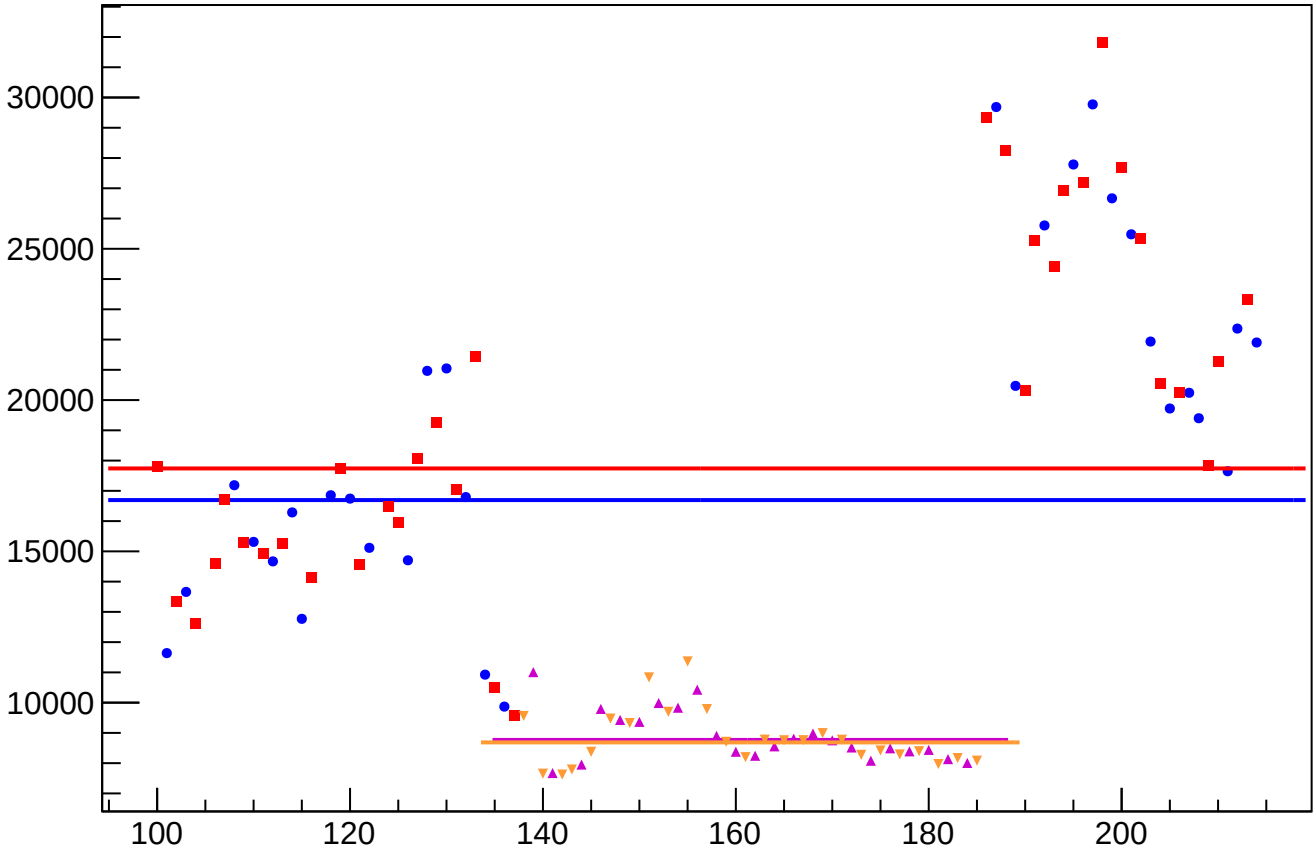
Right: -1.577+/-2.959 χ^2/NDF: 93.7/63

In: -2.719+/-1.841 χ^2/NDF:81.9/52

Out: -4.741+/-1.801 χ^2/NDF:114.8/58

All: -3.752+/-1.287 χ^2/NDF: 197.3/111

diff_bpm4acX_rms vs Slug, Sign Corrected



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

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

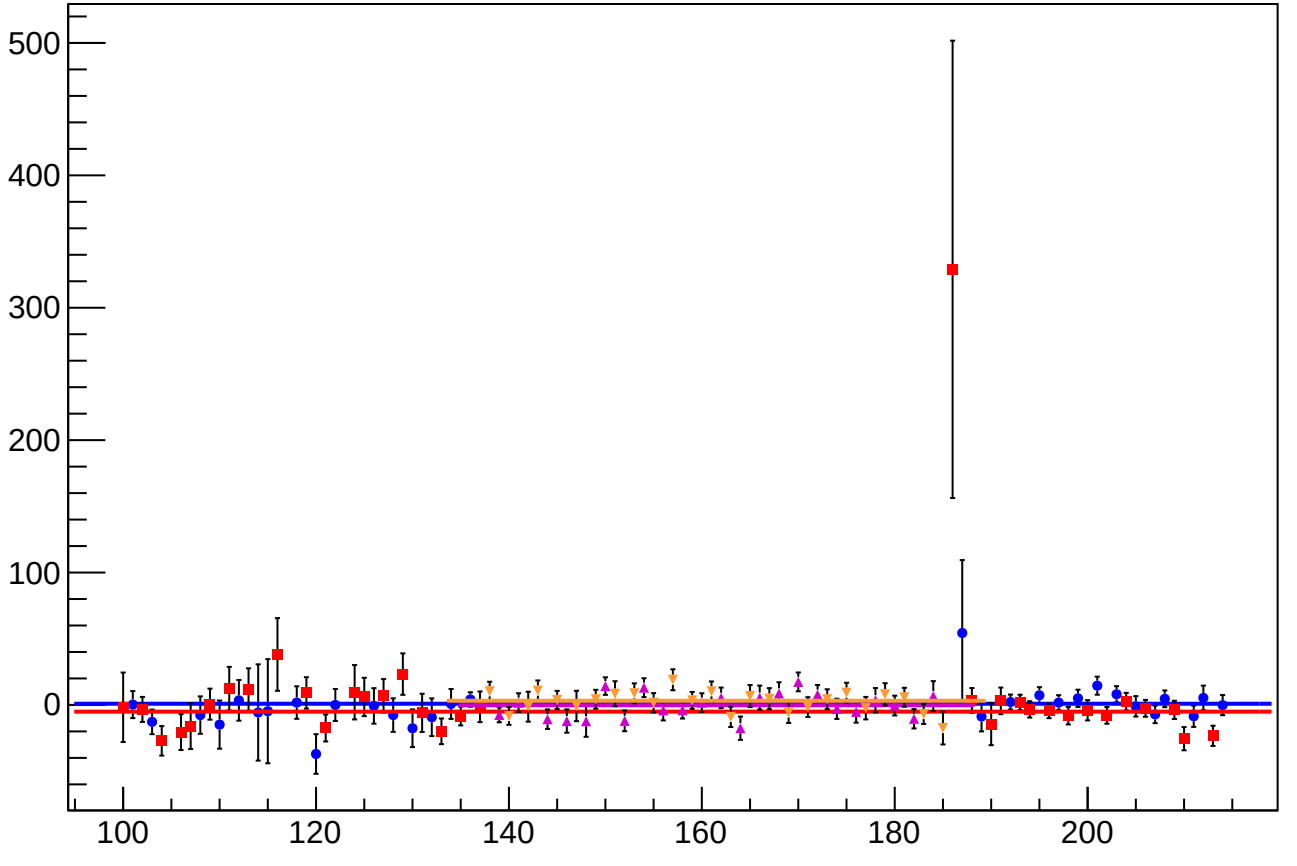
Right: 17198.928+/-2.092 χ^2/NDF: 6621511.5/63

In: 10357.070+/-1.302 χ^2/NDF:9573675.1/52

Out: 10302.758+/-1.273 χ^2/NDF:10980176.2/58

All: 10329.314+/-0.910 χ^2/NDF: 20554740.8

diff_bpm4acY_mean vs Slug, Sign Corrected



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

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

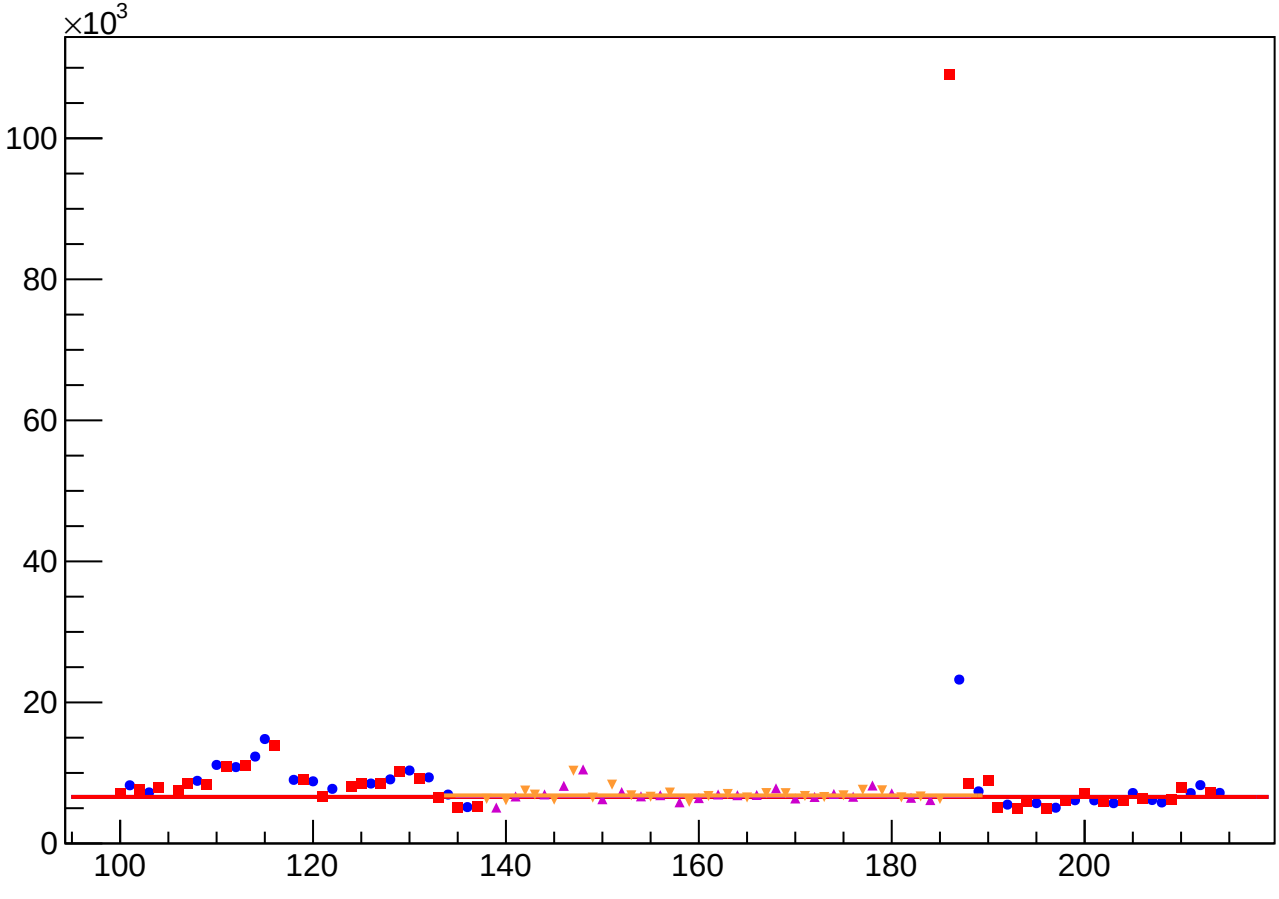
Right: -2.108+/-1.121 χ^2/NDF: 73.7/63

In: 0.316+/-1.125 χ^2/NDF:59.4/52

Out: -0.904+/-1.110 χ^2/NDF:77.0/58

All: -0.302+/-0.790 χ^2/NDF: 137.1/111

diff_bpm4acY_rms vs Slug, Sign Corrected



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

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

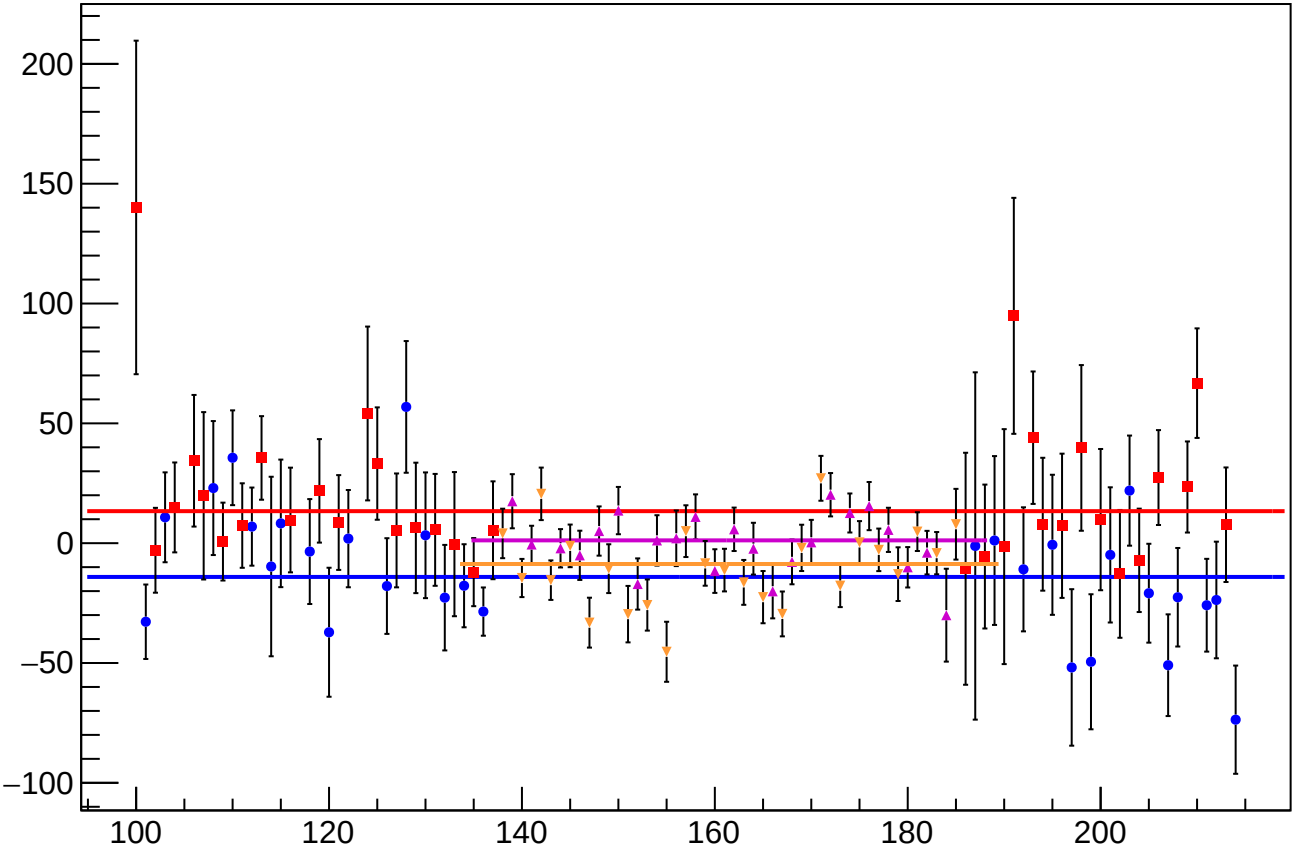
Right: 6598.760+/-0.793 χ^2/NDF: 4188214.4/63

In: 6663.153+/-0.796 χ^2/NDF:2410295.0/52

Out: 6707.229+/-0.785 χ^2/NDF:2807737.8/58

All: 6685.488+/-0.559 χ^2/NDF: 5219587.8/11

diff_bpm4ecX_mean vs Slug, Sign Corrected



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

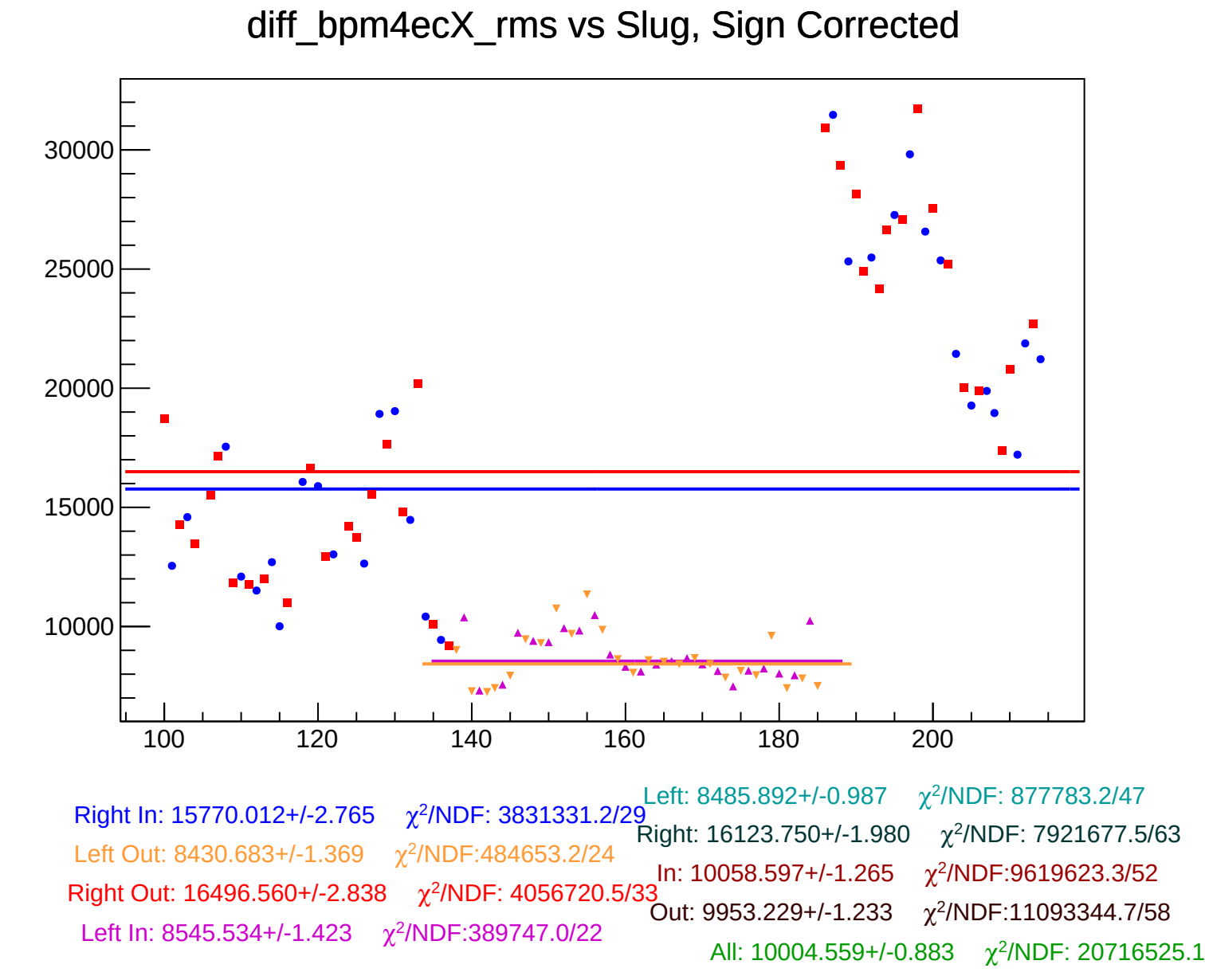
Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

Right: -0.722+/-2.801 χ^2/NDF: 92.1/63

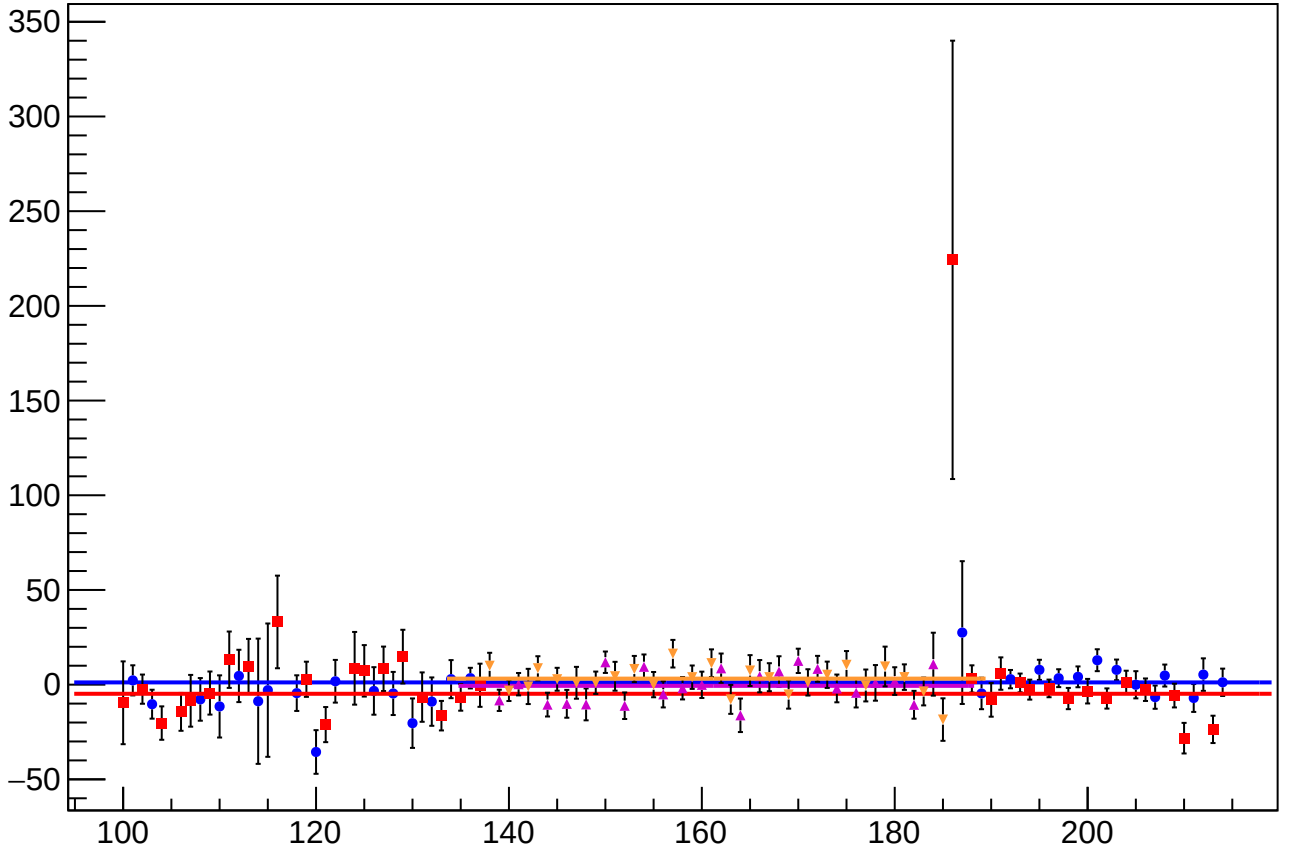
In: -2.022+/-1.789 χ^2/NDF:82.0/52

Out: -4.529+/-1.744 χ^2/NDF:112.7/58

All: -3.308+/-1.249 χ^2/NDF: 195.7/111


diff_bpm4ecX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15770.012+/-2.765 χ²/NDF: 3831331.2/29
Left Out: 8430.683+/-1.369 χ²/NDF:484653.2/24
Right Out: 16496.560+/-2.838 χ²/NDF: 4056720.5/33
Left In: 8545.534+/-1.423 χ²/NDF:389747.0/22
Left: 8485.892+/-0.987 χ²/NDF: 877783.2/47
Right: 16123.750+/-1.980 χ²/NDF: 7921677.5/63
In: 10058.597+/-1.265 χ²/NDF:9619623.3/52
Out: 9953.229+/-1.233 χ²/NDF:11093344.7/58
All: 10004.559+/-0.883 χ²/NDF: 20716525.1

diff_bpm4ecY_mean vs Slug, Sign Corrected



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

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

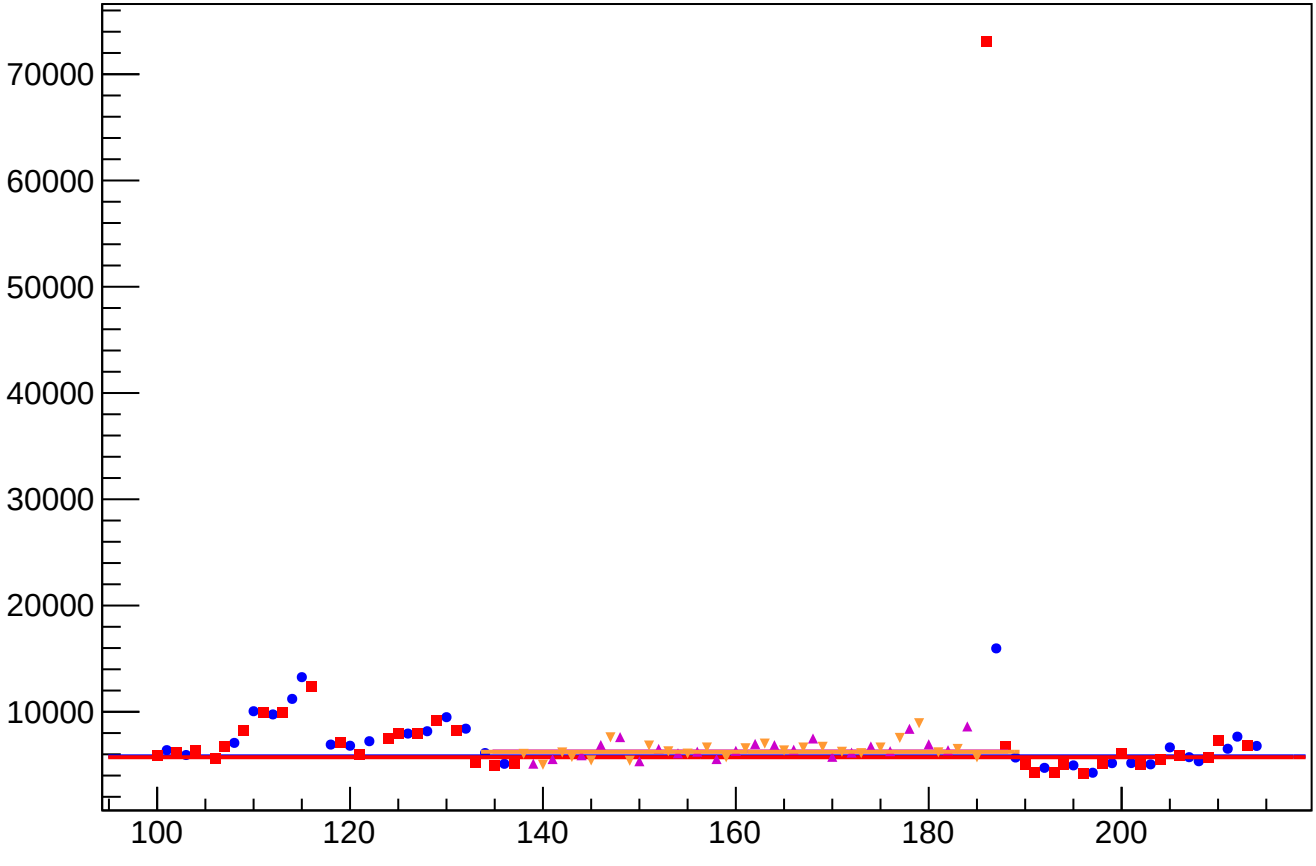
Right: -1.893+/-0.978 χ^2/NDF: 85.2/63

In: 0.327+/-1.018 χ^2/NDF:63.0/52

Out: -1.014+/-0.989 χ^2/NDF:80.4/58

All: -0.363+/-0.709 χ^2/NDF: 144.3/111

diff_bpm4ecY_rms vs Slug, Sign Corrected



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

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

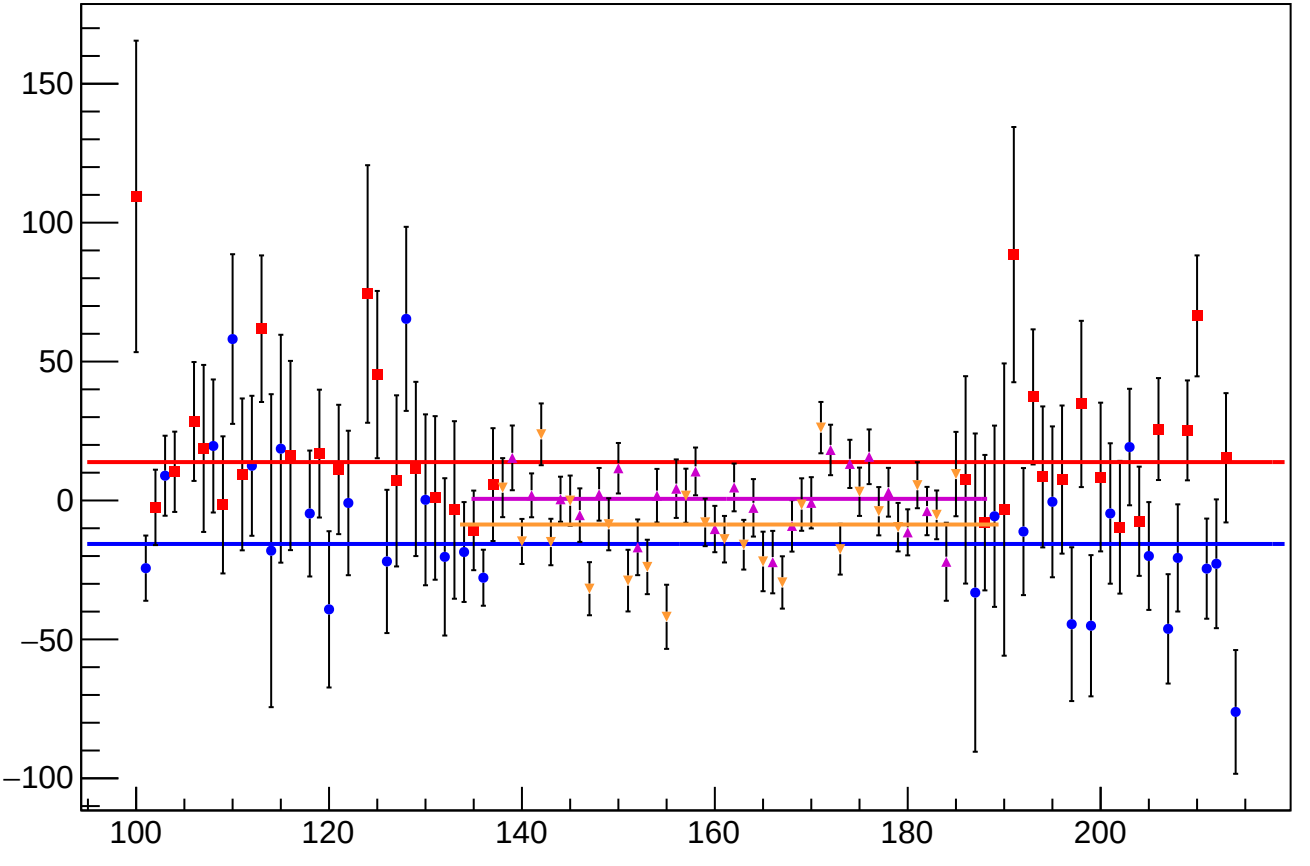
Right: 5766.004+/-0.692 χ^2/NDF: 4178503.7/63

In: 6026.239+/-0.720 χ^2/NDF:2388920.2/52

Out: 5968.495+/-0.700 χ^2/NDF:3053312.3/58

All: 5996.551+/-0.502 χ^2/NDF: 5445541.9/11

diff_bpm1X_mean vs Slug, Sign Corrected



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

Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

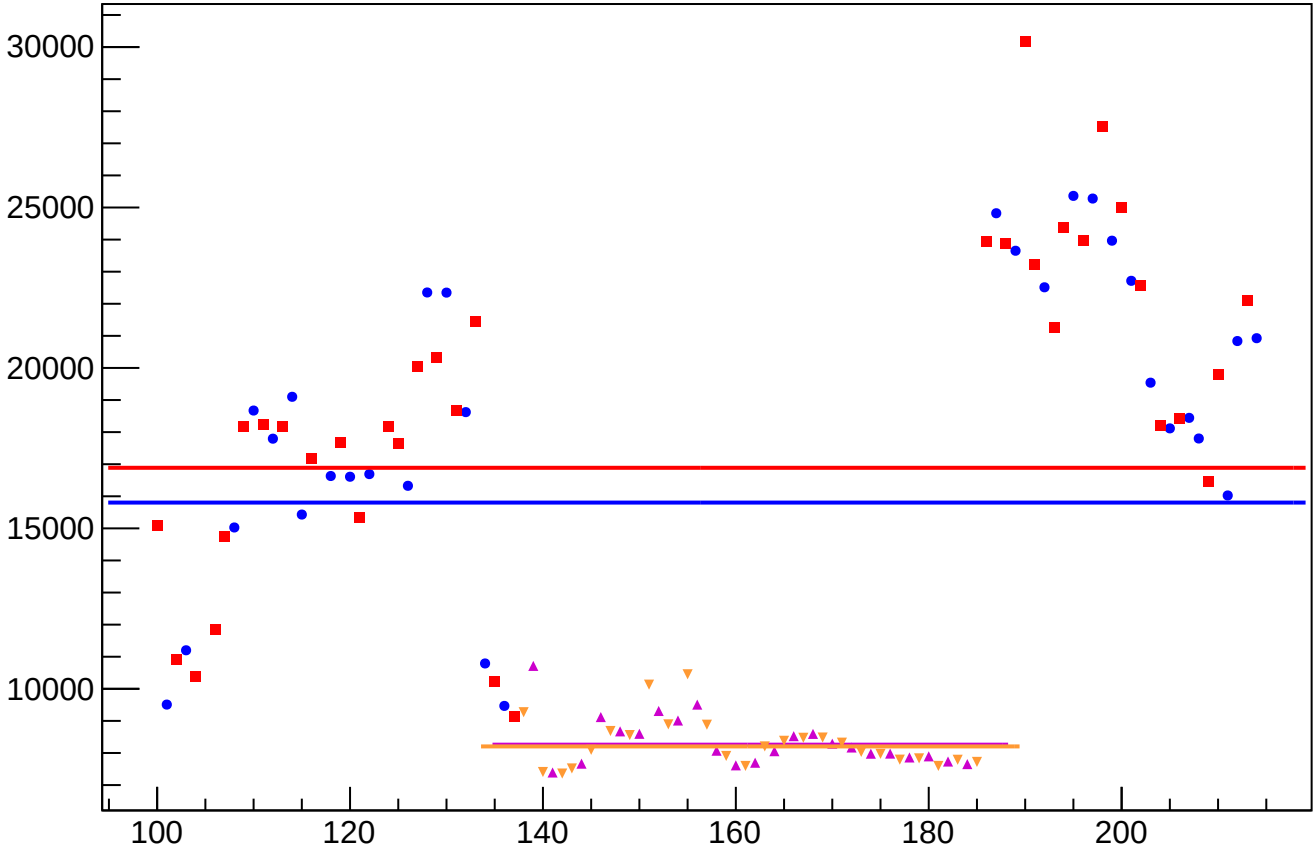
Right: -1.514+/-2.812 χ^2/NDF: 95.1/63

In: -2.637+/-1.736 χ^2/NDF:81.1/52

Out: -4.700+/-1.702 χ^2/NDF:117.4/58

All: -3.688+/-1.215 χ^2/NDF: 199.1/111

diff_bpm1X_rms vs Slug, Sign Corrected



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

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

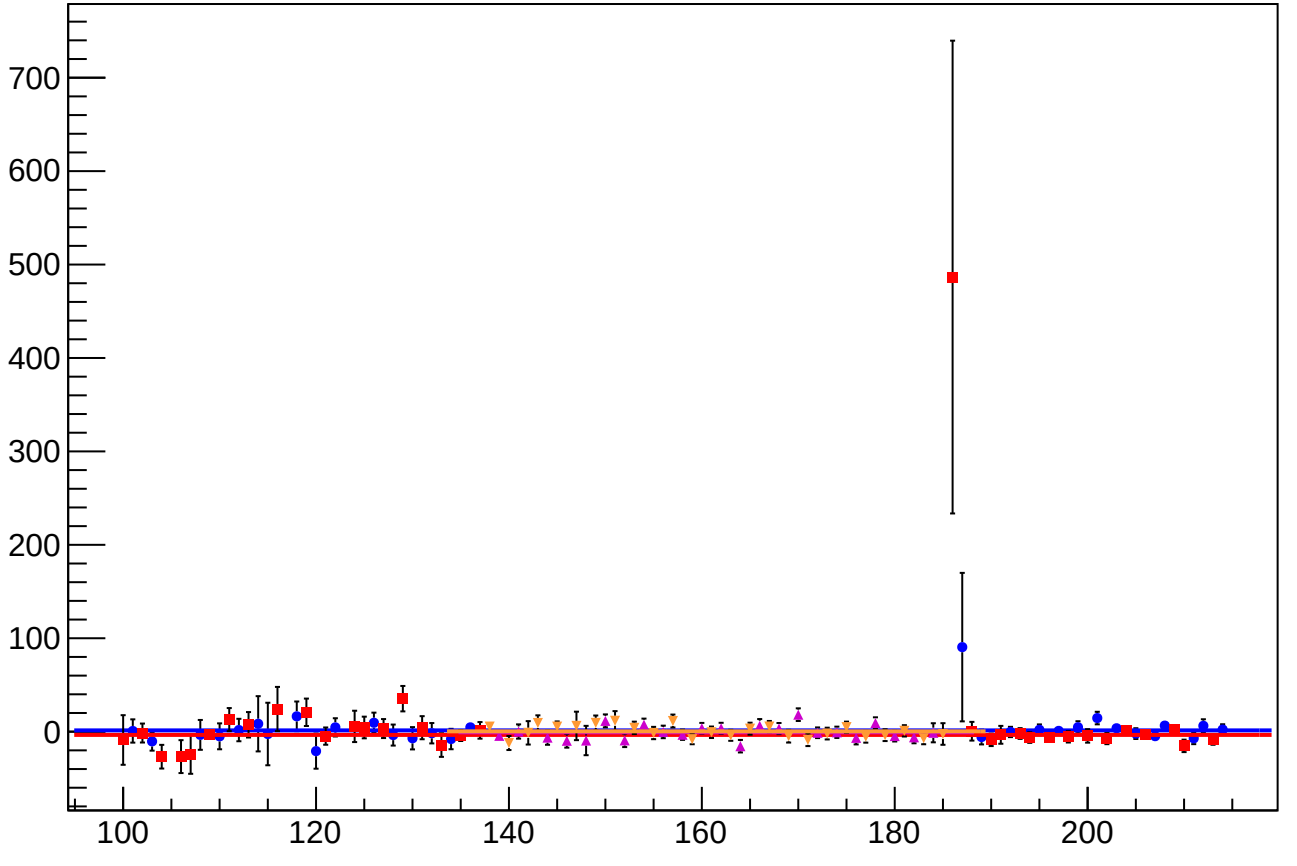
Right: 16324.082+/-1.988 χ^2/NDF: 6814435.2/63

In: 9755.500+/-1.228 χ^2/NDF:9749873.2/52

Out: 9731.297+/-1.204 χ^2/NDF:11069143.0/58

All: 9743.161+/-0.859 χ^2/NDF: 20819214.4/1

diff_bpm1Y_mean vs Slug, Sign Corrected



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

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

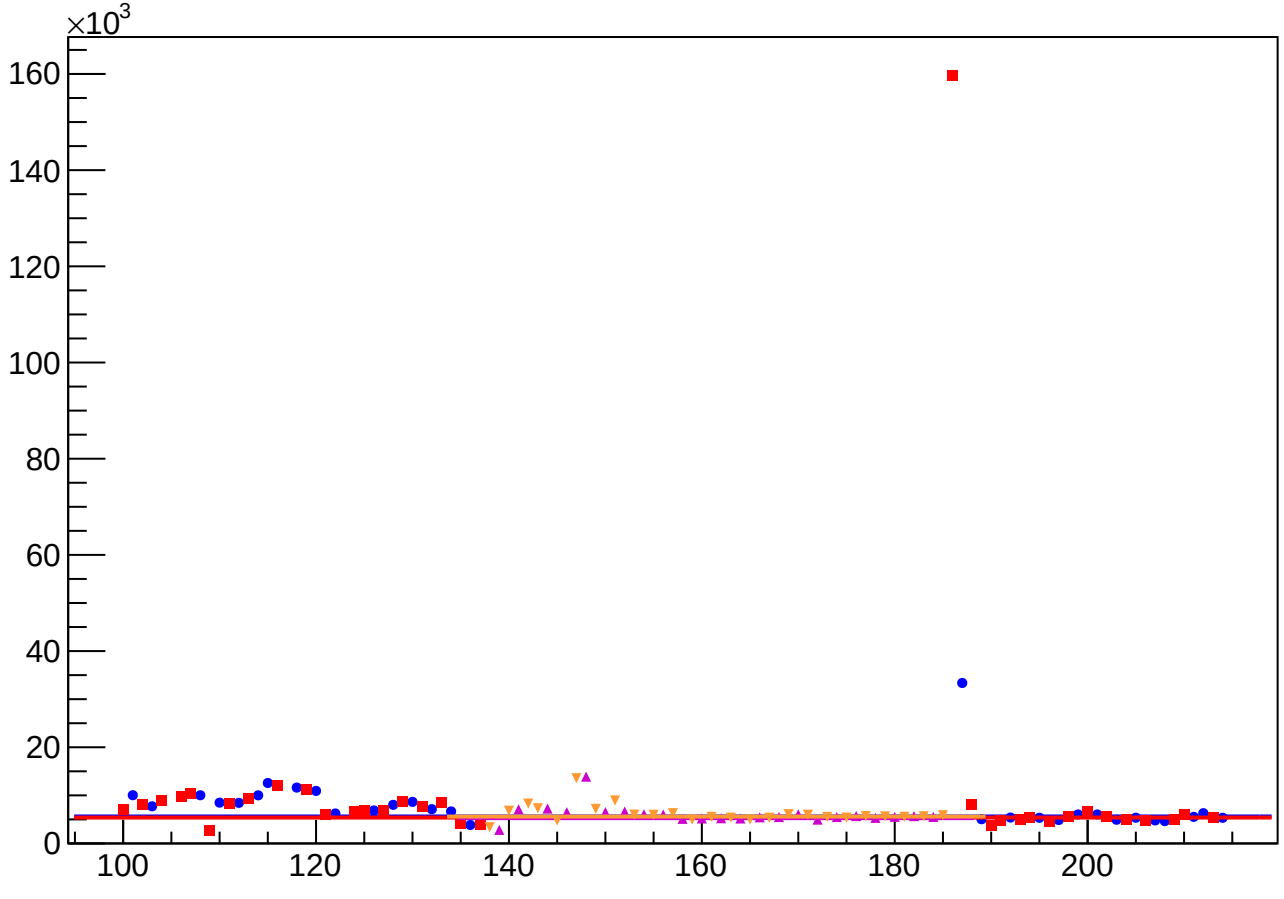
Right: -1.123+/-0.953 χ^2/NDF: 59.8/63

In: 0.270+/-0.940 χ^2/NDF:49.7/52

Out: -1.548+/-0.936 χ^2/NDF:60.5/58

All: -0.642+/-0.663 χ^2/NDF: 112.1/111

diff_bpm1Y_rms vs Slug, Sign Corrected



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

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

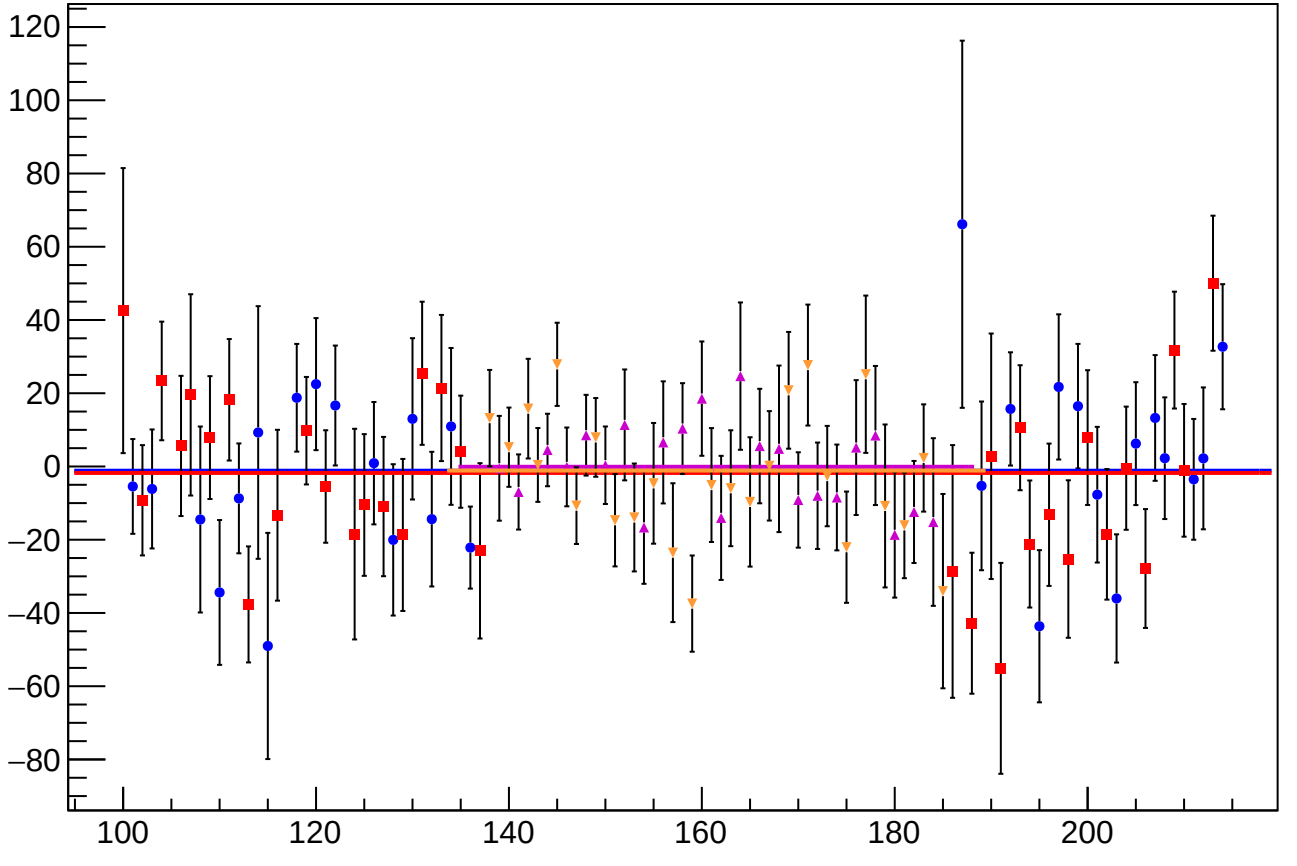
Right: 5495.351+/-0.674 χ^2/NDF: 6302140.0/63

In: 5426.910+/-0.664 χ^2/NDF:4953068.4/52

Out: 5490.771+/-0.662 χ^2/NDF:5624434.5/58

All: 5458.949+/-0.469 χ^2/NDF: 10582138.2/1

diff_bpm11X_mean vs Slug, Sign Corrected



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

Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

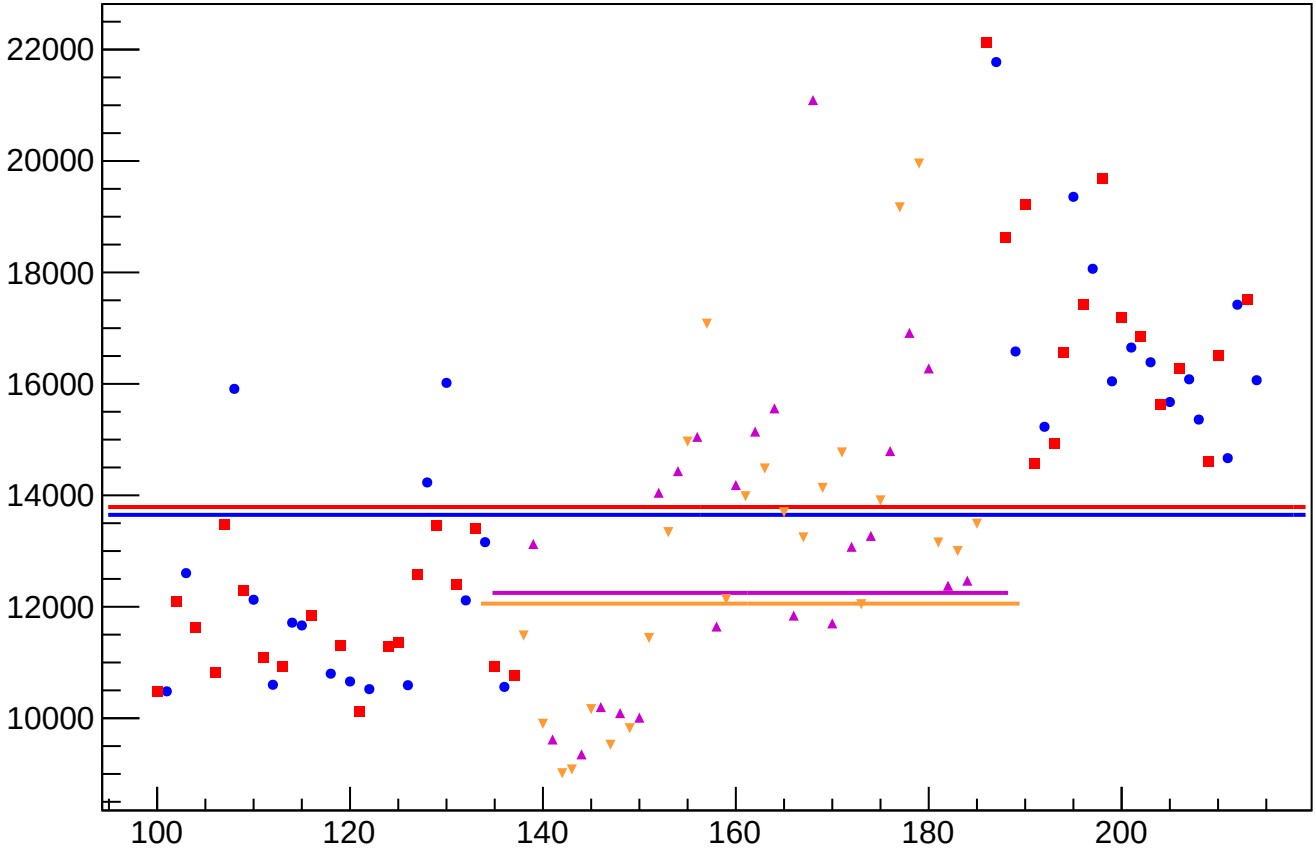
Right: -1.461+/-2.297 χ^2/NDF: 81.2/63

In: -0.564+/-2.178 χ^2/NDF:46.5/52

Out: -1.389+/-2.123 χ^2/NDF:80.0/58

All: -0.987+/-1.520 χ^2/NDF: 126.6/111

diff_bpm11X_rms vs Slug, Sign Corrected



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

Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

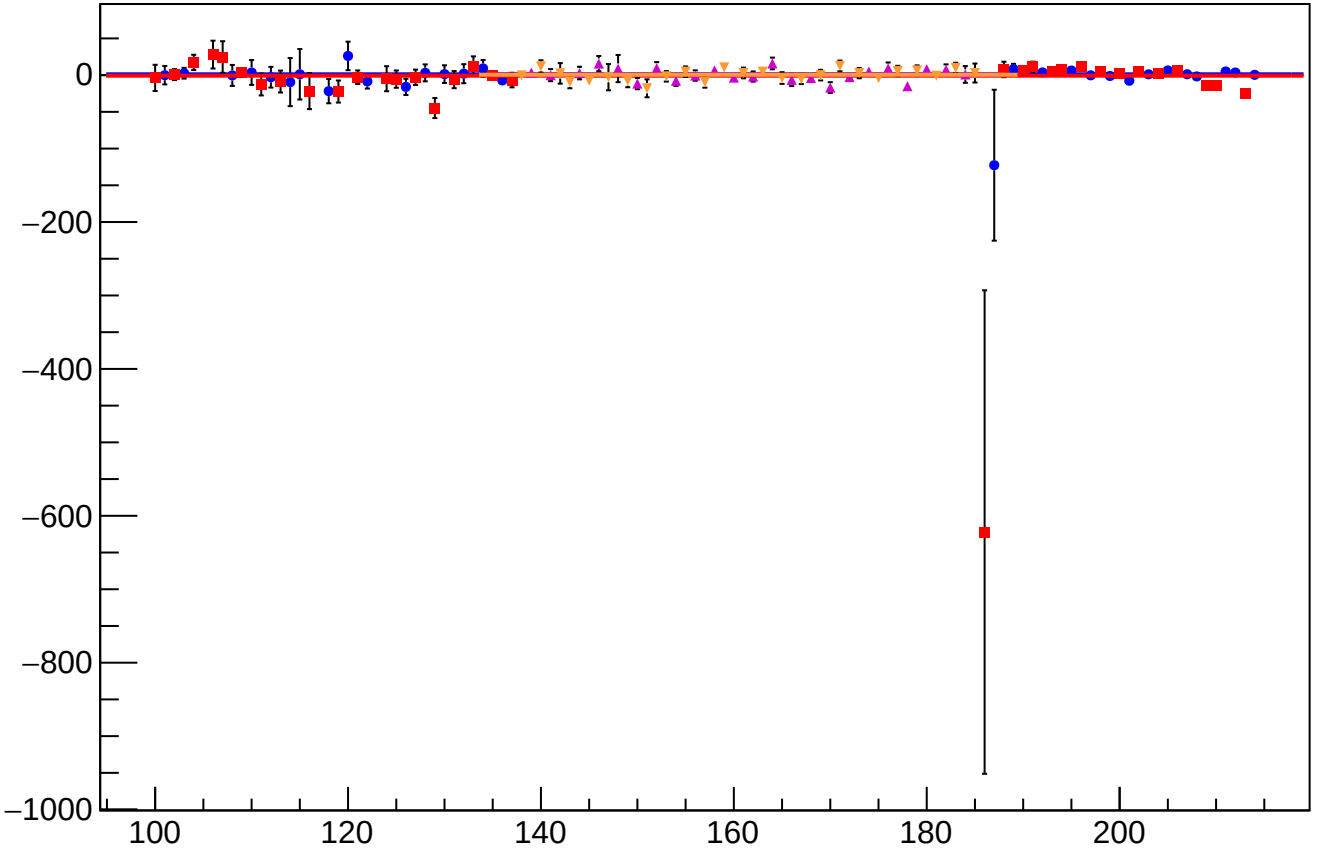
Right: 13720.748+/-1.624 χ^2/NDF: 2948111.4/63

In: 12873.884+/-1.540 χ^2/NDF:3046366.2/52

Out: 12802.999+/-1.501 χ^2/NDF:3409059.3/58

All: 12837.536+/-1.075 χ^2/NDF: 6456511.7/1

diff_bpm11Y_mean vs Slug, Sign Corrected



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

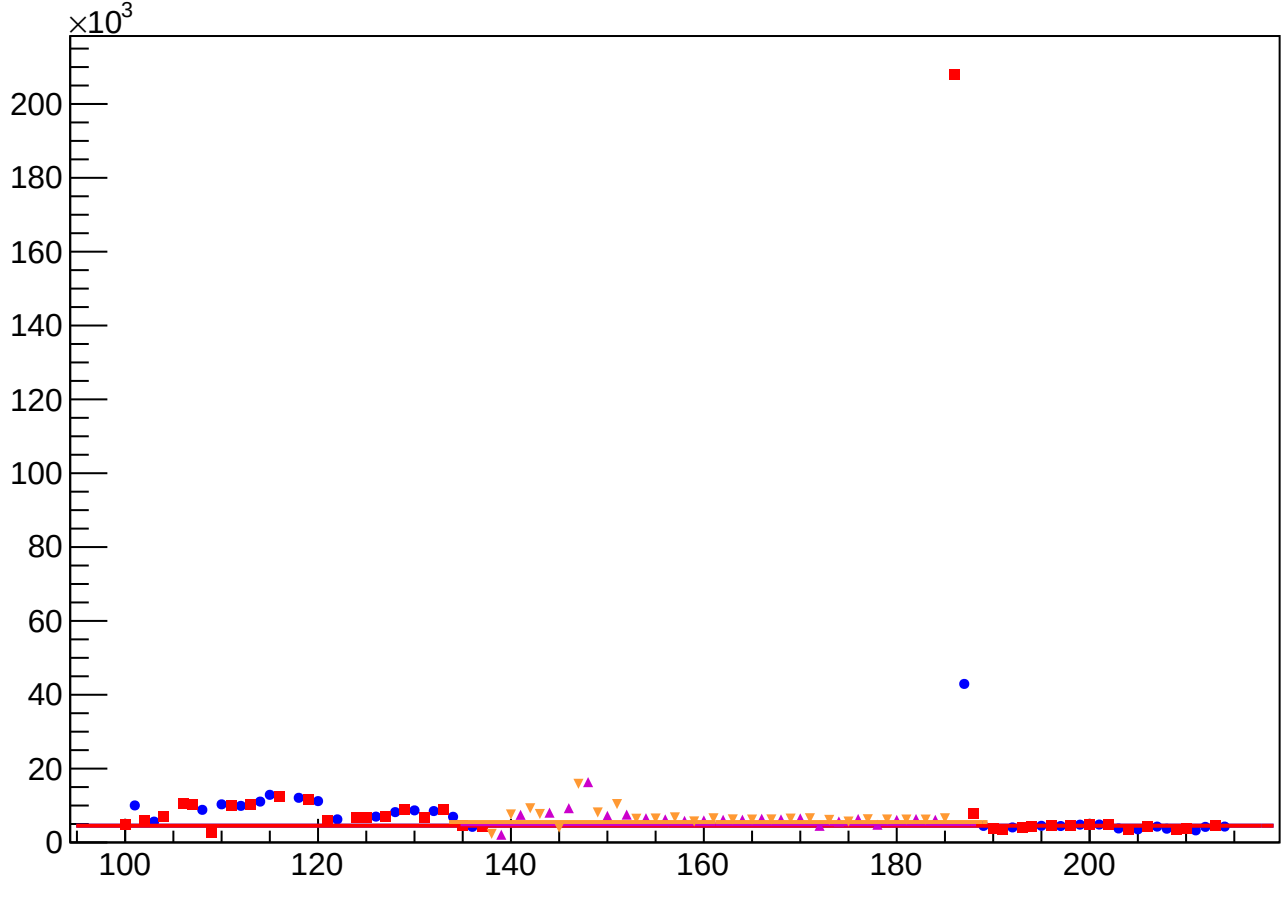
Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

Right: 0.188+/-0.801 χ^2/NDF: 123.4/63

In: 1.050+/-0.852 χ^2/NDF:53.9/52

Out: -0.233+/-0.873 χ^2/NDF:122.3/58

All: 0.423+/-0.610 χ^2/NDF: 177.2/111



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

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

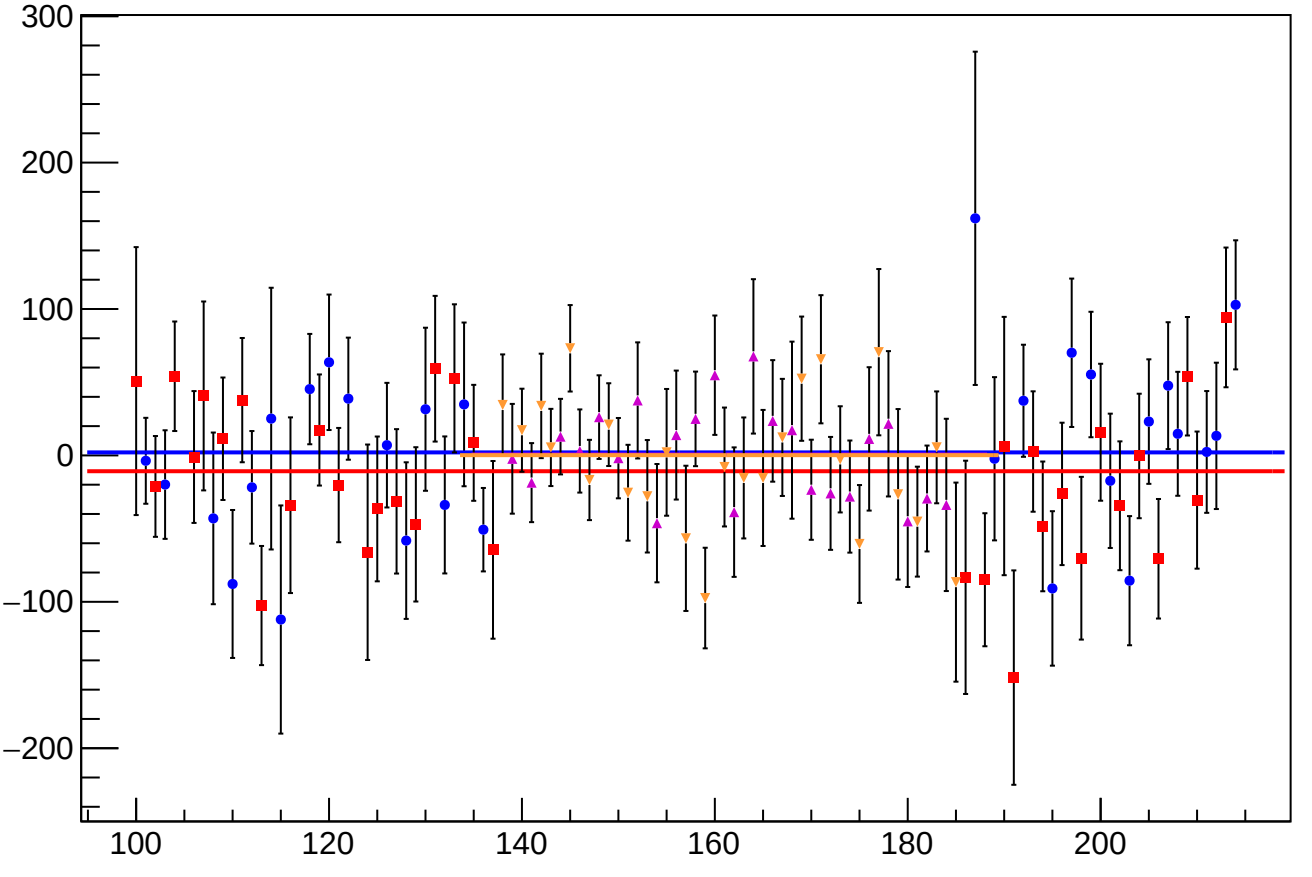
Right: 4537.630+/-0.566 χ^2/NDF: 7950720.5/63

In: 4716.052+/-0.603 χ^2/NDF:9767006.8/52

Out: 4936.914+/-0.617 χ^2/NDF:9231386.7/58

All: 4823.890+/-0.431 χ^2/NDF: 19063964.1/1

diff_bpm12X_mean vs Slug, Sign Corrected



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

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

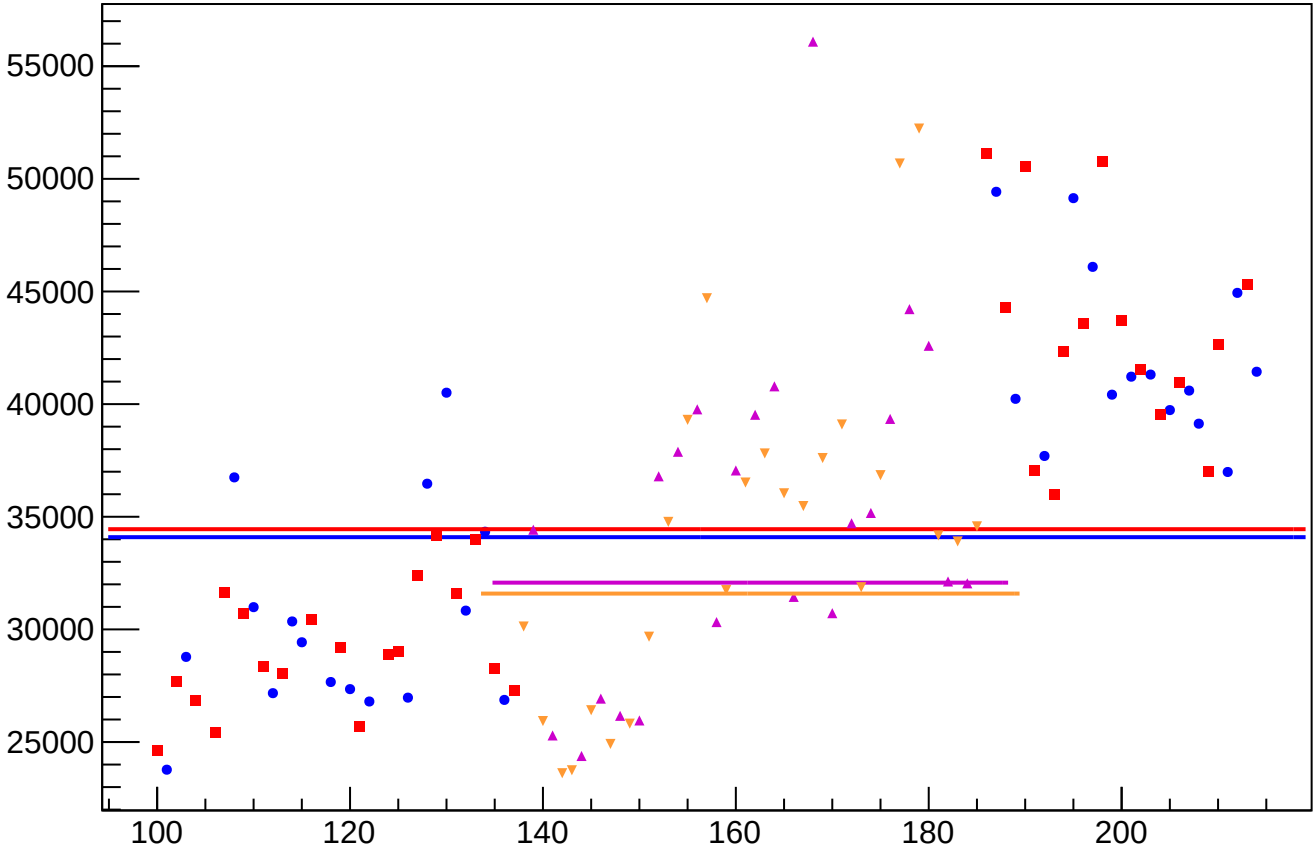
Right: -4.429+/-5.745 χ^2/NDF: 75.3/63

In: 1.275+/-5.588 χ^2/NDF:49.5/52

Out: -4.811+/-5.450 χ^2/NDF:69.6/58

All: -1.844+/-3.902 χ^2/NDF: 119.6/111

diff_bpm12X_rms vs Slug, Sign Corrected



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

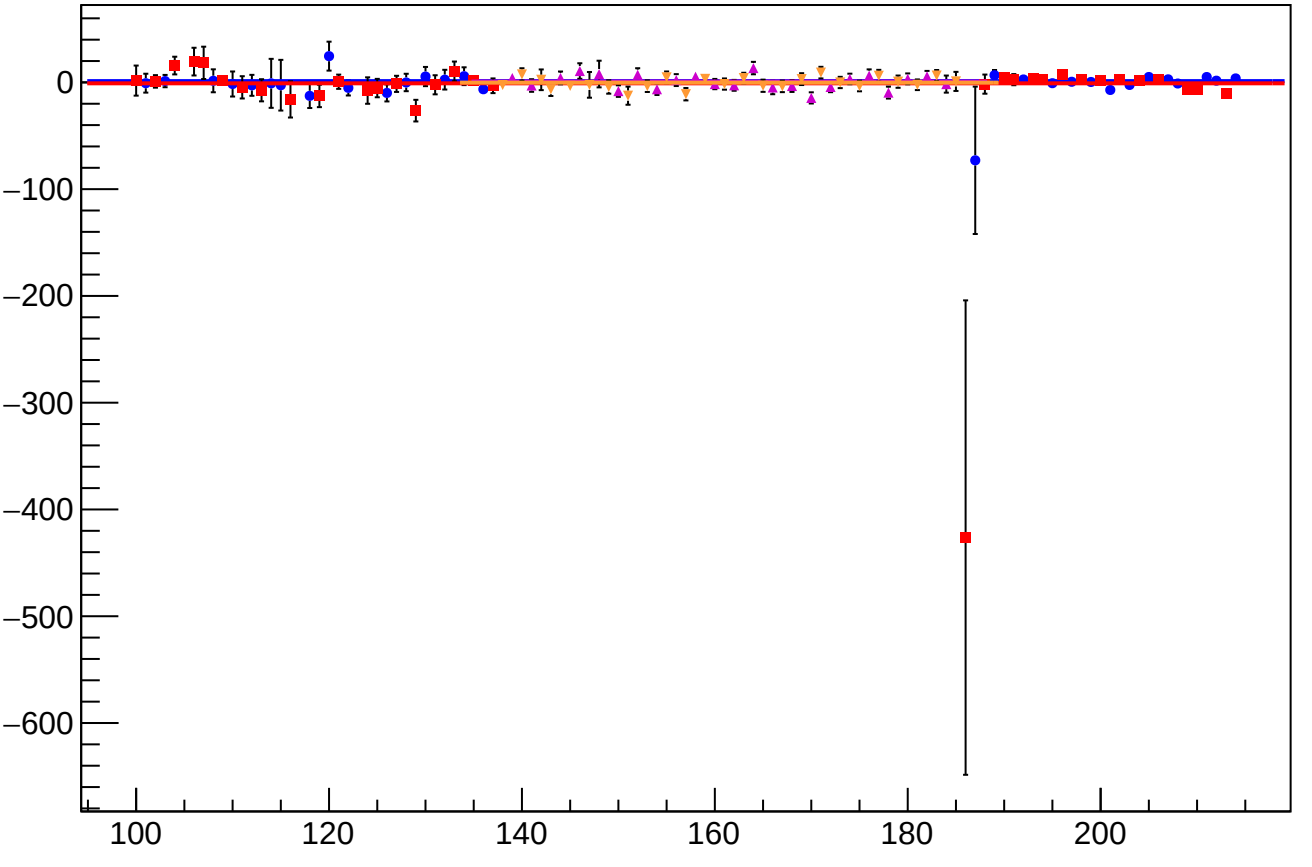
Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

Right: 34272.628+/-4.063 χ^2/NDF: 3116055.5/63

In: 33021.608+/-3.951 χ^2/NDF:3049669.8/52

Out: 32887.046+/-3.854 χ^2/NDF:3312437.2/58

All: 32952.653+/-2.759 χ^2/NDF: 6362701.4/1



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

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

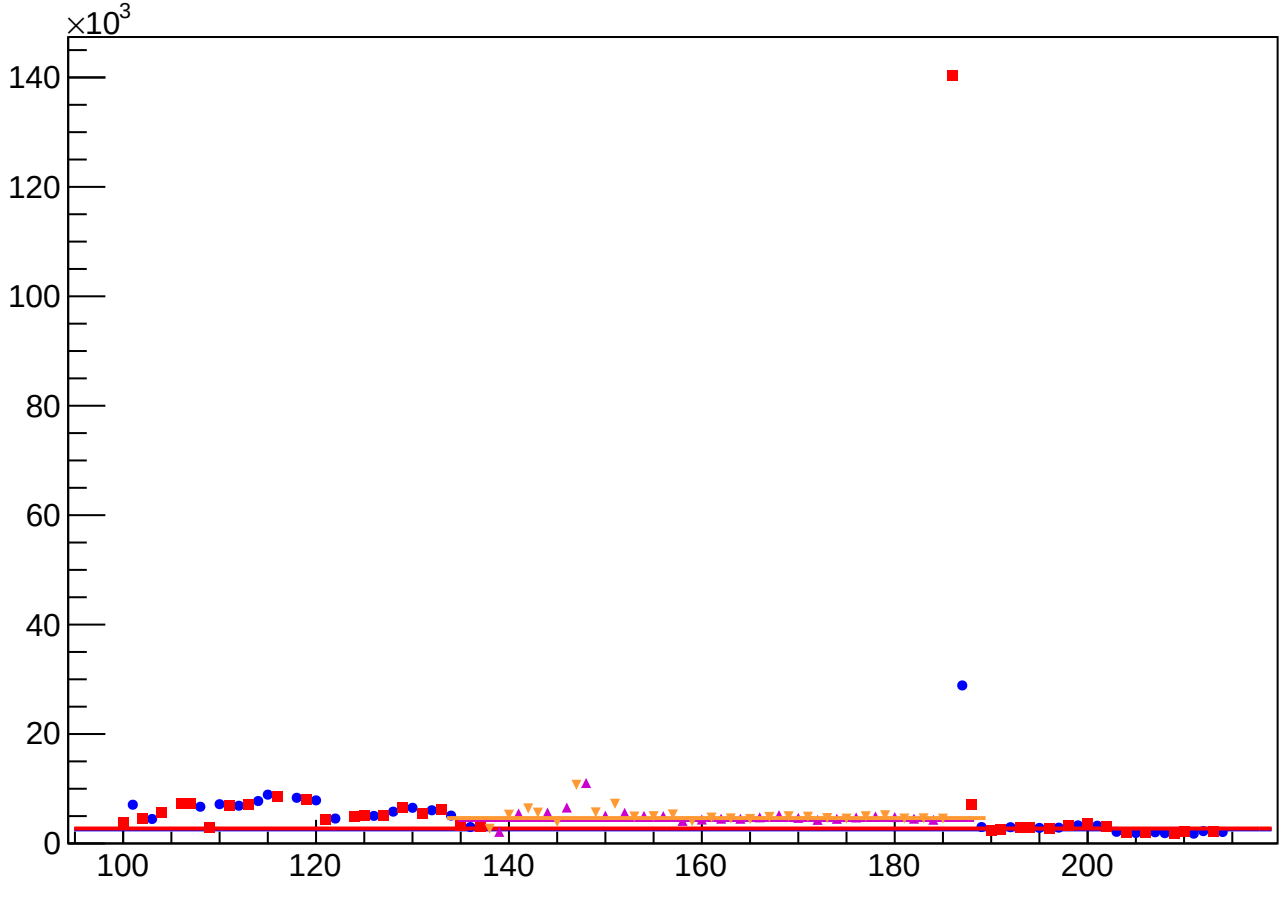
Right: 0.219+/-0.482 χ^2/NDF: 115.8/63

In: 1.083+/-0.563 χ^2/NDF:68.7/52

Out: -0.684+/-0.590 χ^2/NDF:96.5/58

All: 0.241+/-0.407 χ^2/NDF: 169.9/111

diff_bpm12Y_rms vs Slug, Sign Corrected



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

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

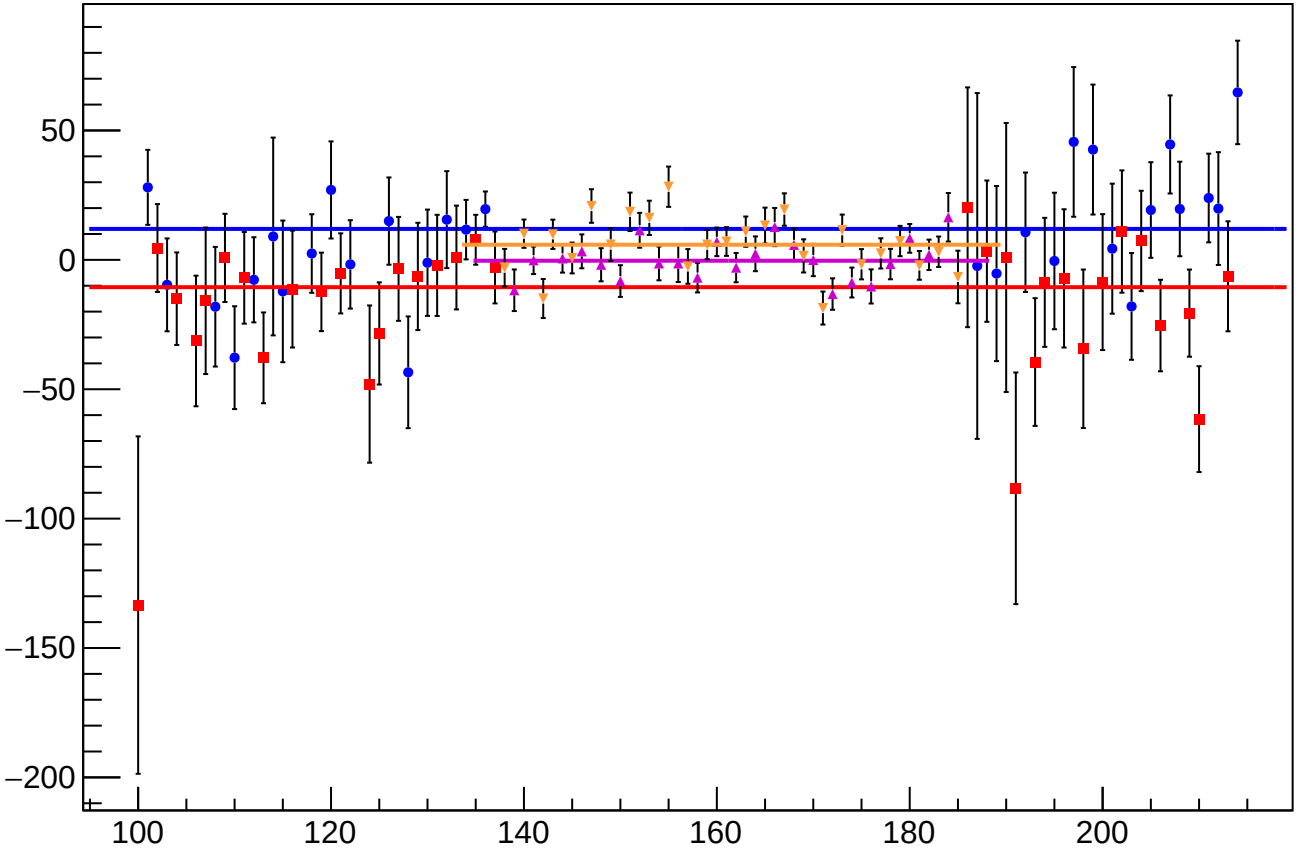
Right: 2647.049+/-0.341 χ^2/NDF: 12243696.7/63

In: 3055.513+/-0.398 χ^2/NDF:12828536.6/52

Out: 3286.940+/-0.417 χ^2/NDF:12317370.2/58

All: 3165.697+/-0.288 χ^2/NDF: 25307057.8/1

diff_bpm16X_mean vs Slug, Sign Corrected



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

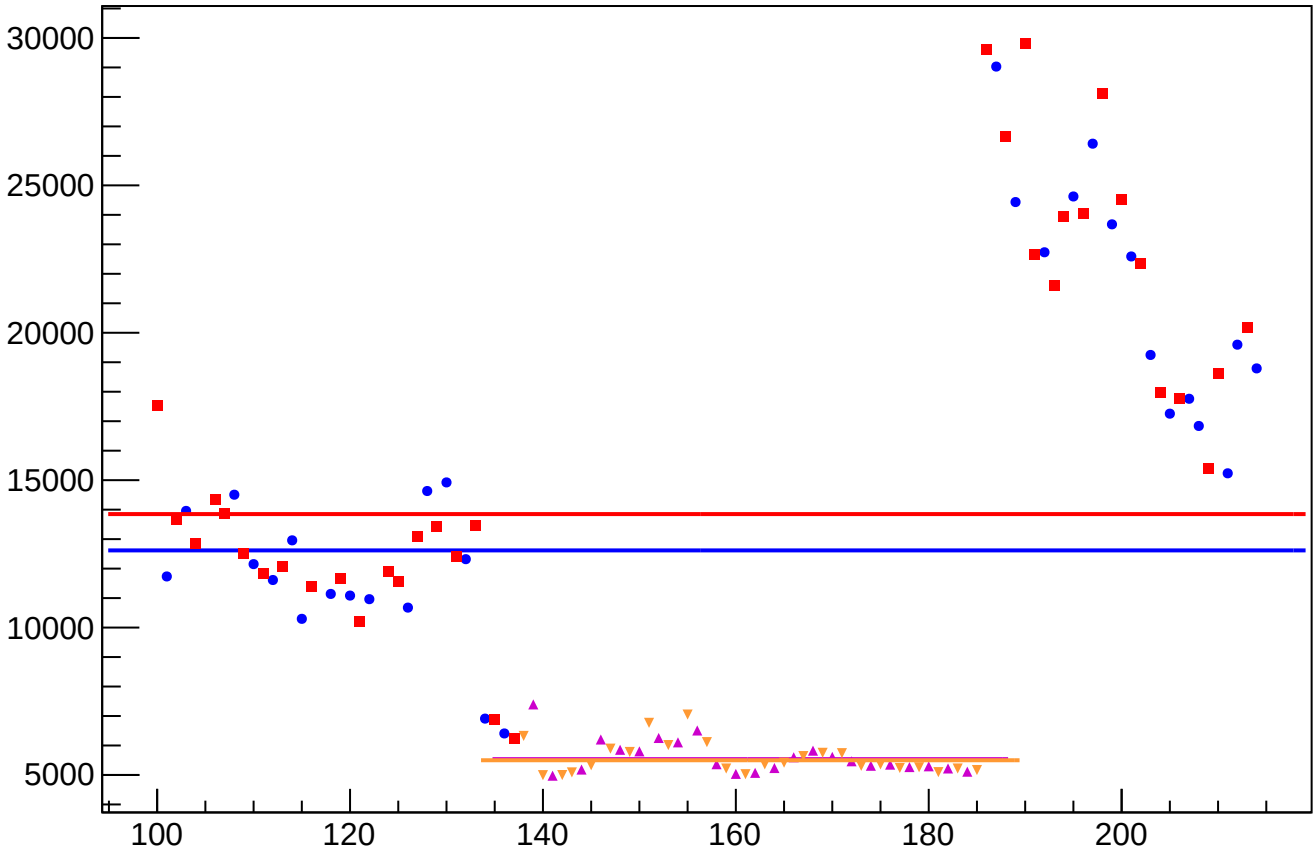
Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

Right: 1.400+/-2.347 χ^2/NDF: 92.1/63

In: 1.388+/-1.206 χ^2/NDF:81.2/52

Out: 3.902+/-1.180 χ^2/NDF:110.1/58

All: 2.672+/-0.844 χ^2/NDF: 193.5/111



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

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

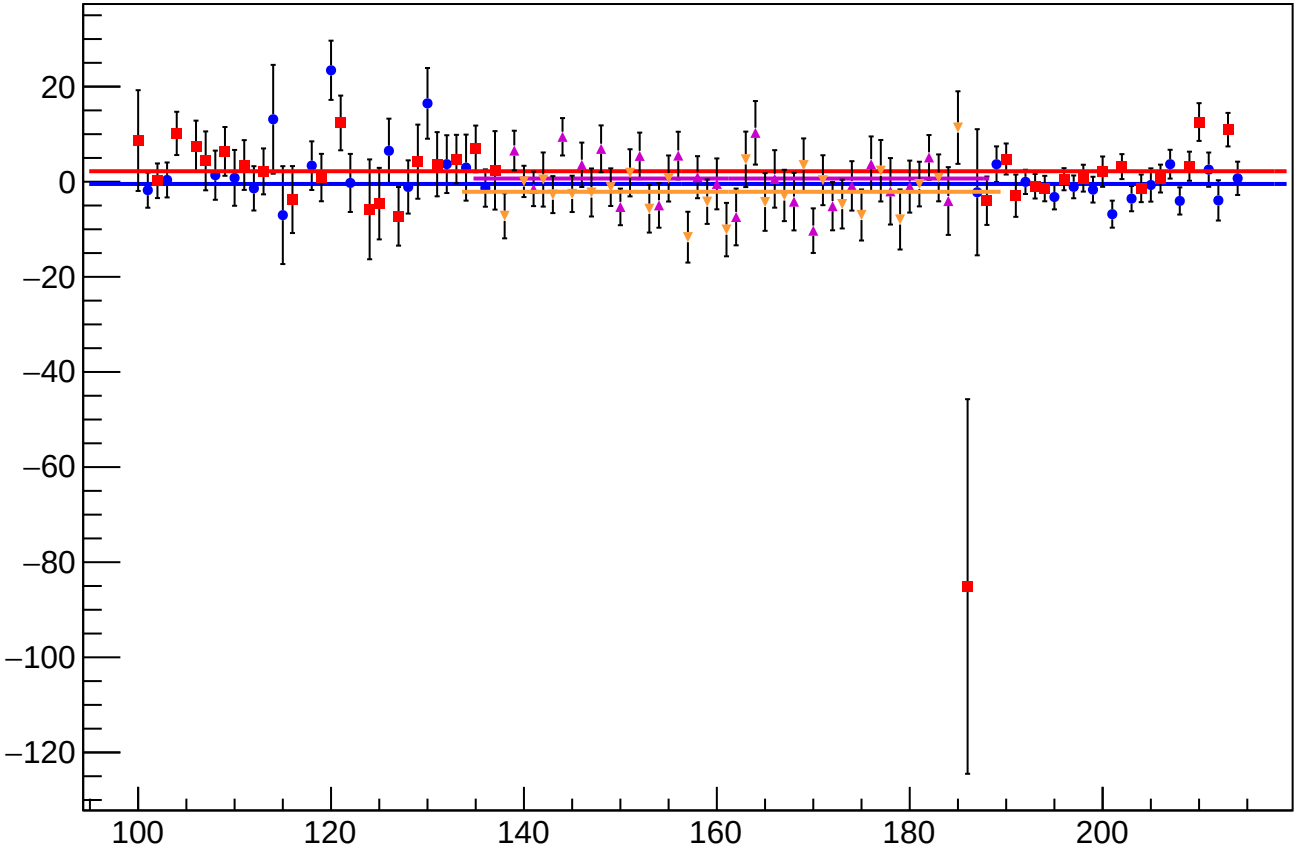
Right: 13195.336+/-1.660 χ^2/NDF: 11024260.2/63

In: 6530.529+/-0.853 χ^2/NDF:14287894.2/52

Out: 6489.852+/-0.835 χ^2/NDF:15972585.1/58

All: 6509.753+/-0.597 χ^2/NDF: 30261641.1/1

diff_bpm16Y_mean vs Slug, Sign Corrected



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

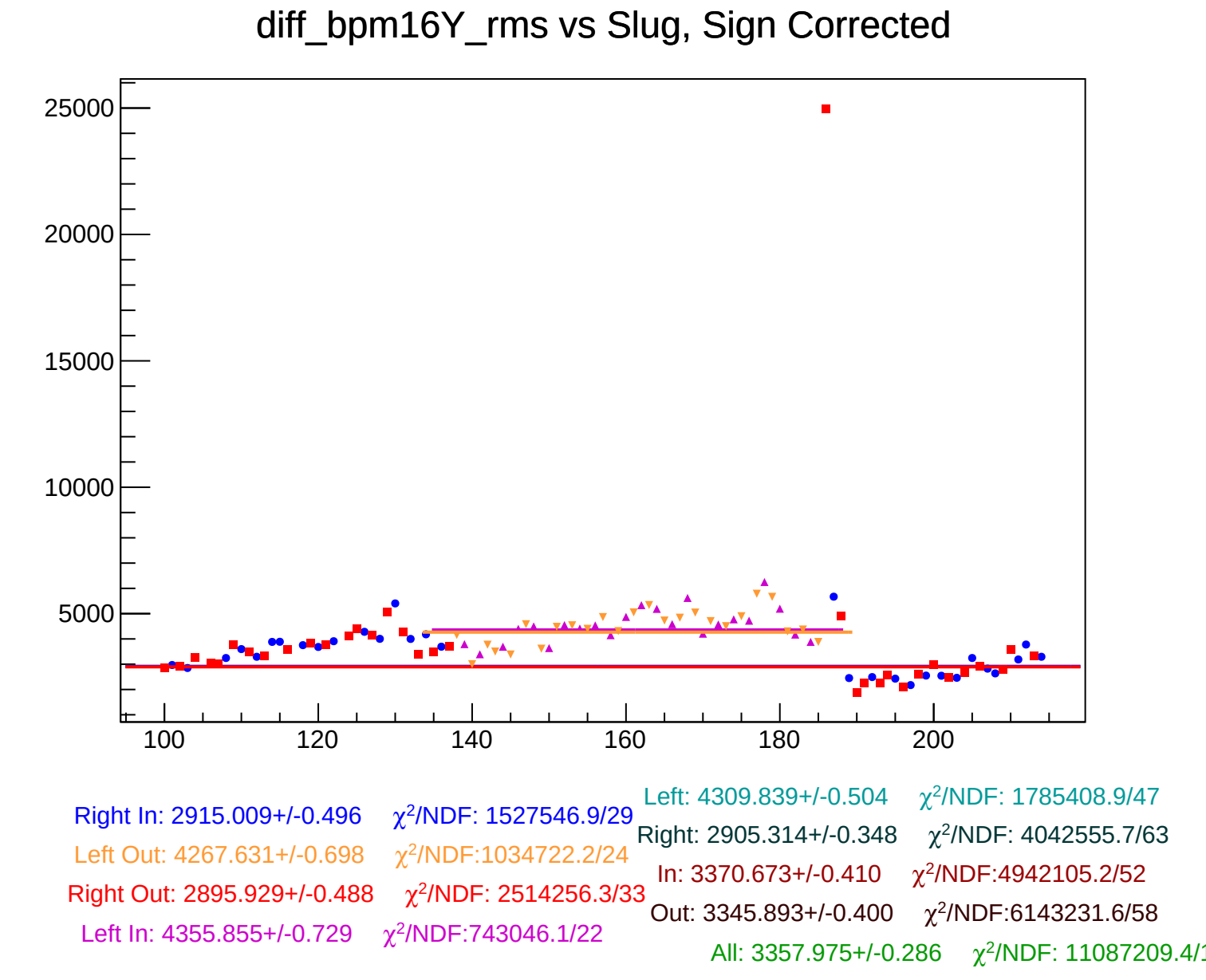
Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

Right: 0.890+/-0.492 χ^2/NDF: 87.9/63

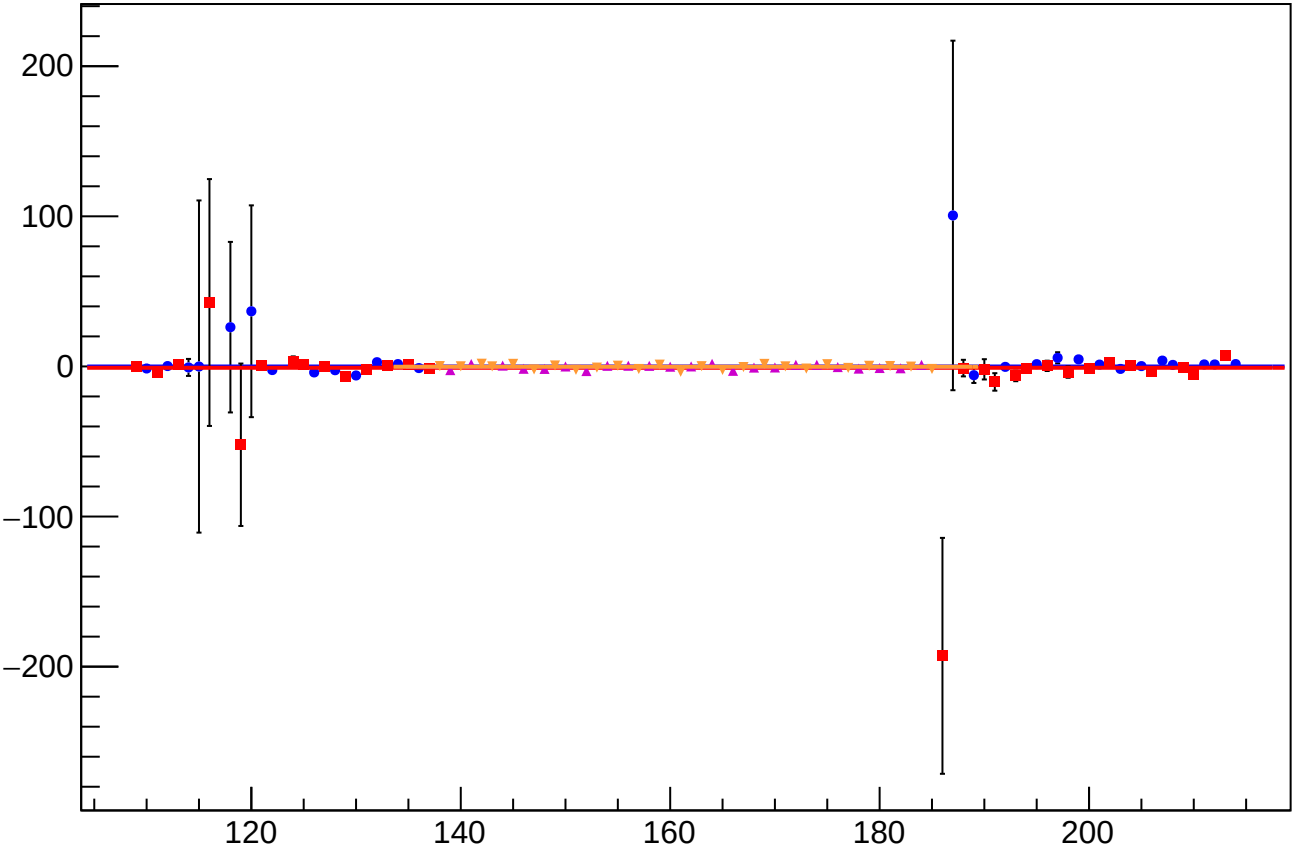
In: -0.109+/-0.580 χ^2/NDF:67.7/52

Out: 0.788+/-0.565 χ^2/NDF:72.4/58

All: 0.351+/-0.405 χ^2/NDF: 141.3/111


diff_bpm16Y_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 2915.009+/-0.496 χ²/NDF: 1527546.9/29
Left Out: 4267.631+/-0.698 χ²/NDF:1034722.2/24
Right Out: 2895.929+/-0.488 χ²/NDF: 2514256.3/33
Left In: 4355.855+/-0.729 χ²/NDF:743046.1/22
Left: 4309.839+/-0.504 χ²/NDF: 1785408.9/47
Right: 2905.314+/-0.348 χ²/NDF: 4042555.7/63
In: 3370.673+/-0.410 χ²/NDF:4942105.2/52
Out: 3345.893+/-0.400 χ²/NDF:6143231.6/58
All: 3357.975+/-0.286 χ²/NDF: 11087209.4/1

diff_bpm1p02bX_mean vs Slug, Sign Corrected



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

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

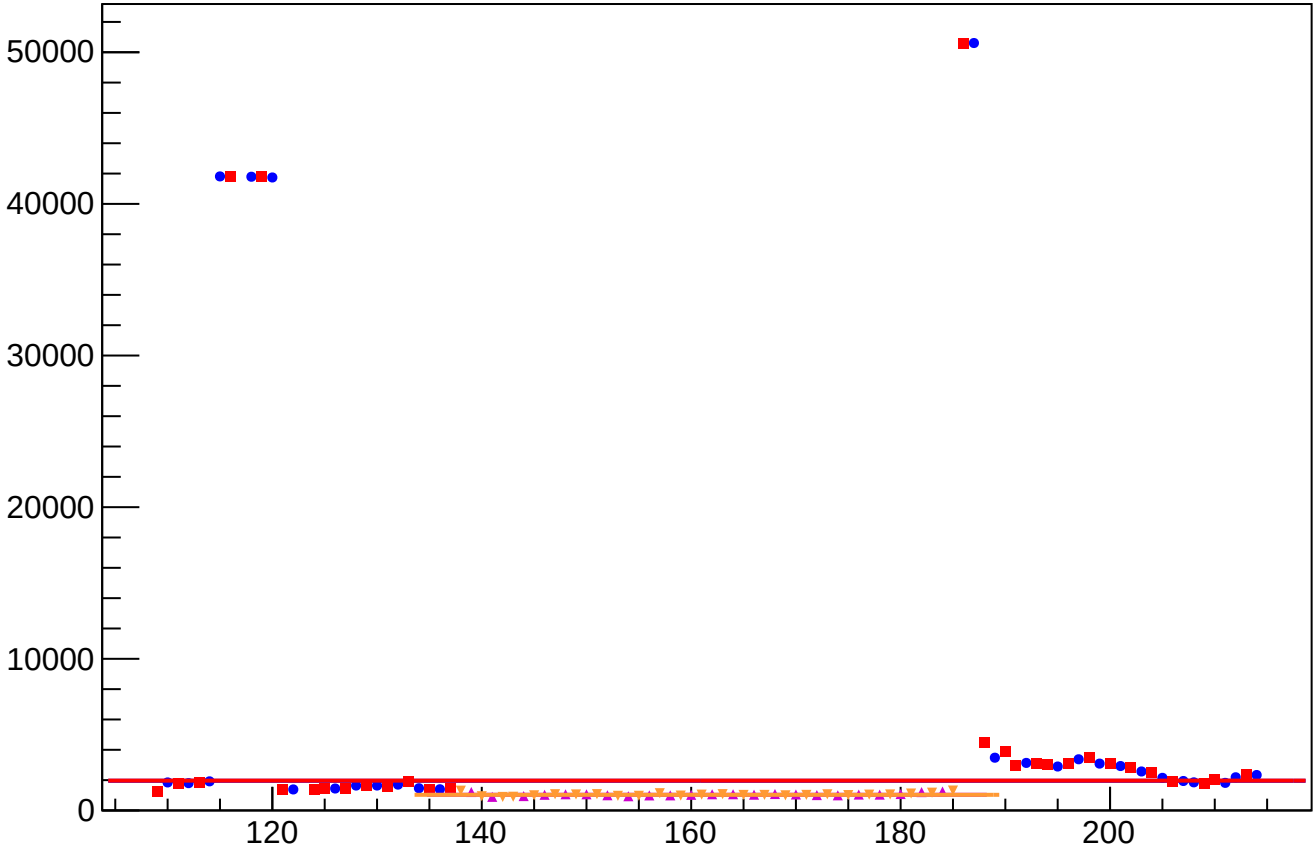
Right: -0.465+/-0.370 χ^2/NDF: 71.3/55

In: -0.283+/-0.219 χ^2/NDF:57.2/49

Out: -0.316+/-0.215 χ^2/NDF:77.8/53

All: -0.300+/-0.154 χ^2/NDF: 135.1/103

diff_bpm1p02bX_rms vs Slug, Sign Corrected



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

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

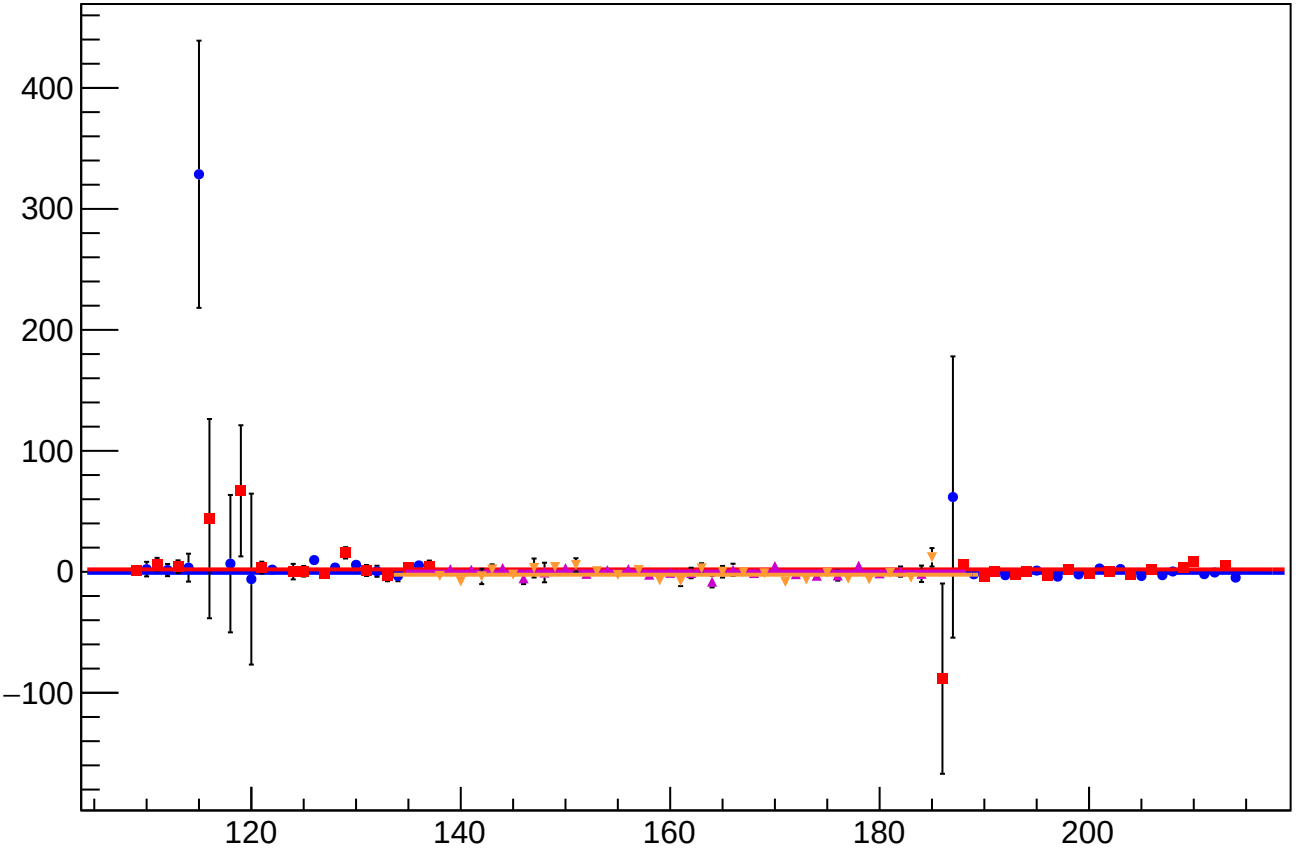
Right: 1961.600+/-0.261 χ^2/NDF: 9891038.7/55

In: 1198.406+/-0.155 χ^2/NDF:9872080.7/49

Out: 1186.683+/-0.152 χ^2/NDF:10905813.7/53

All: 1192.429+/-0.109 χ^2/NDF: 20780806.6/1

diff_bpm1p02bY_mean vs Slug, Sign Corrected



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

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

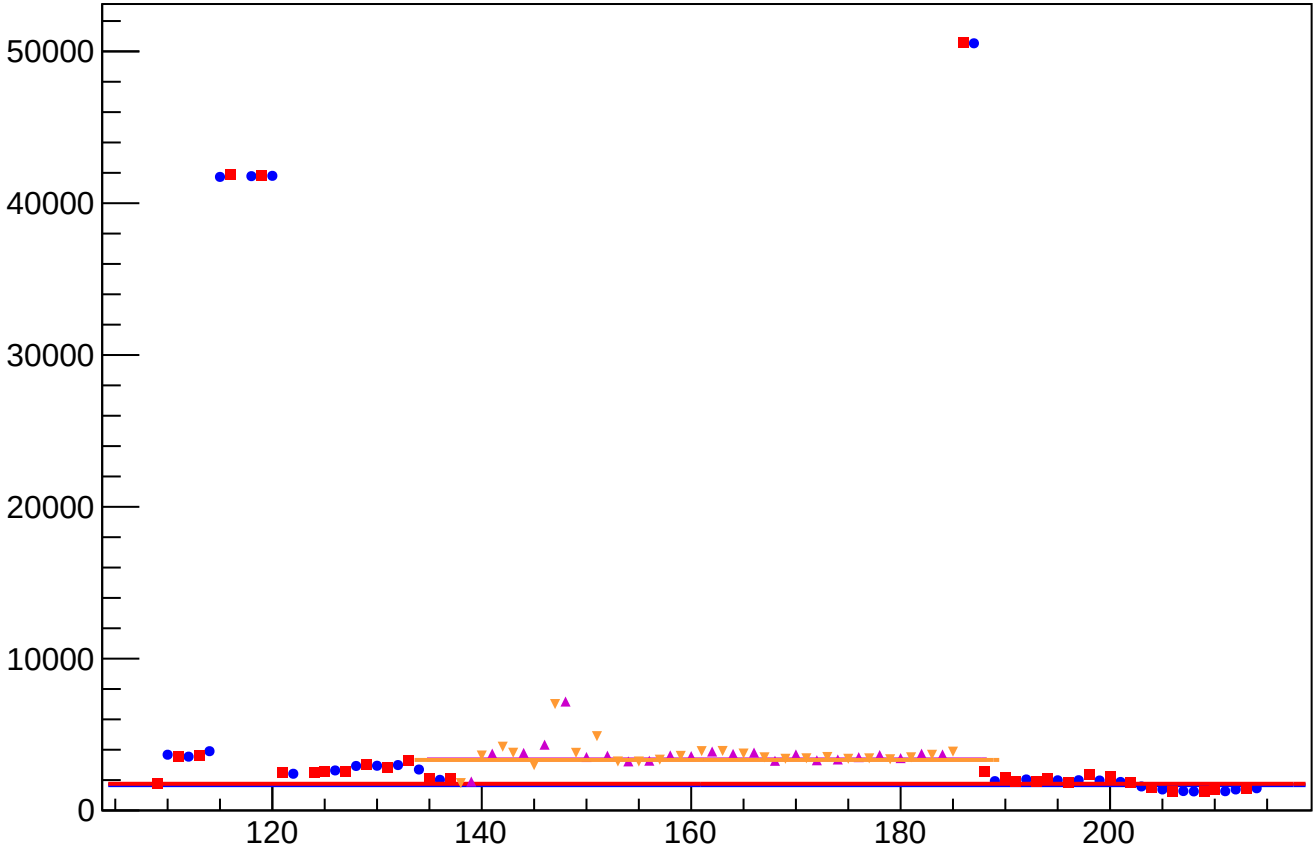
Right: 0.506+/-0.323 χ^2/NDF: 136.8/55

In: -0.595+/-0.389 χ^2/NDF:66.3/49

Out: 0.836+/-0.402 χ^2/NDF:112.6/53

All: 0.097+/-0.280 χ^2/NDF: 185.4/103

diff_bpm1p02bY_rms vs Slug, Sign Corrected



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

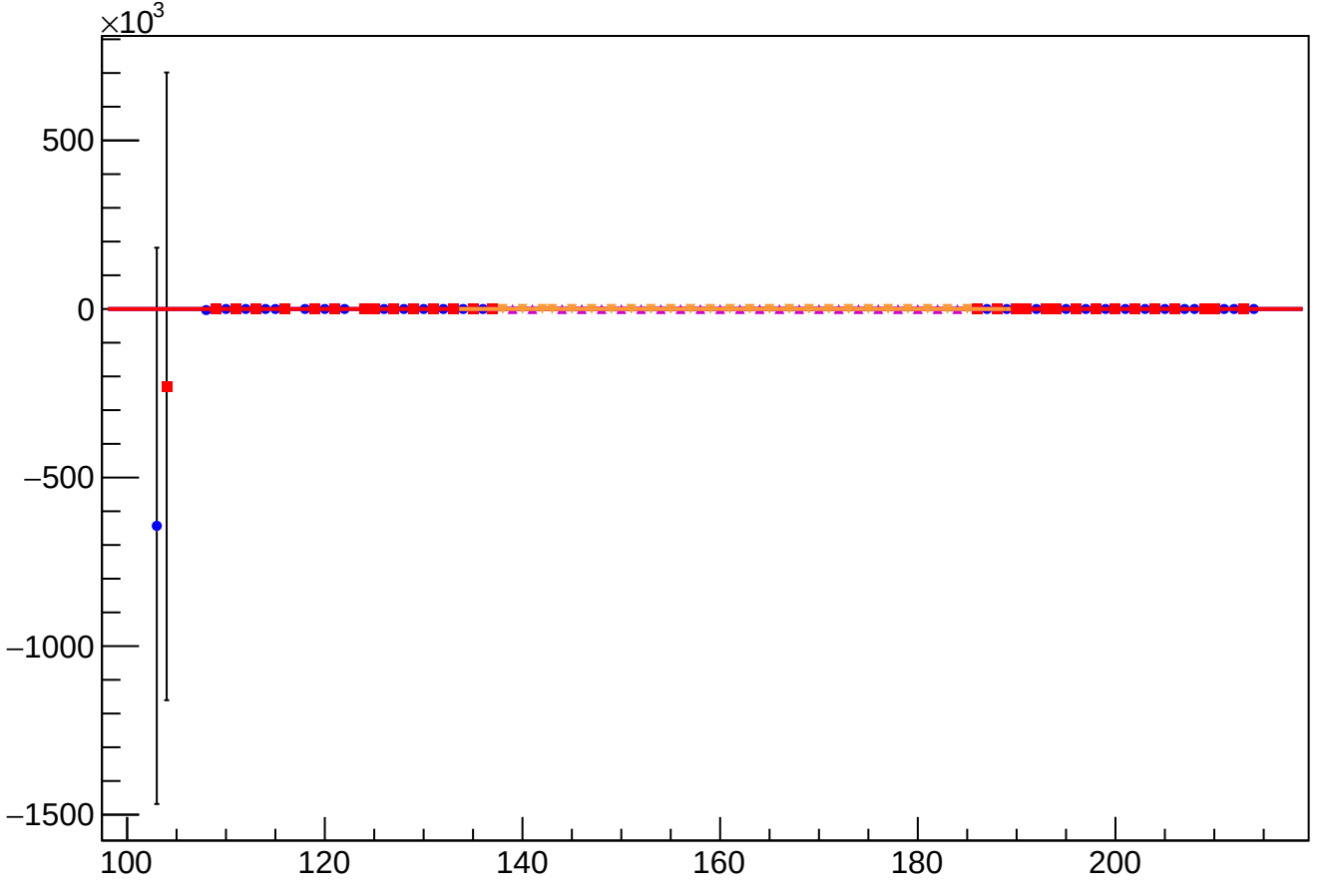
Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

Right: 1709.624+/-0.228 χ^2/NDF: 9446838.2/55

In: 2058.750+/-0.275 χ^2/NDF:13036978.9/49

Out: 2172.923+/-0.285 χ^2/NDF:12600056.2/53

All: 2113.957+/-0.198 χ^2/NDF: 25720208.0/1



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

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

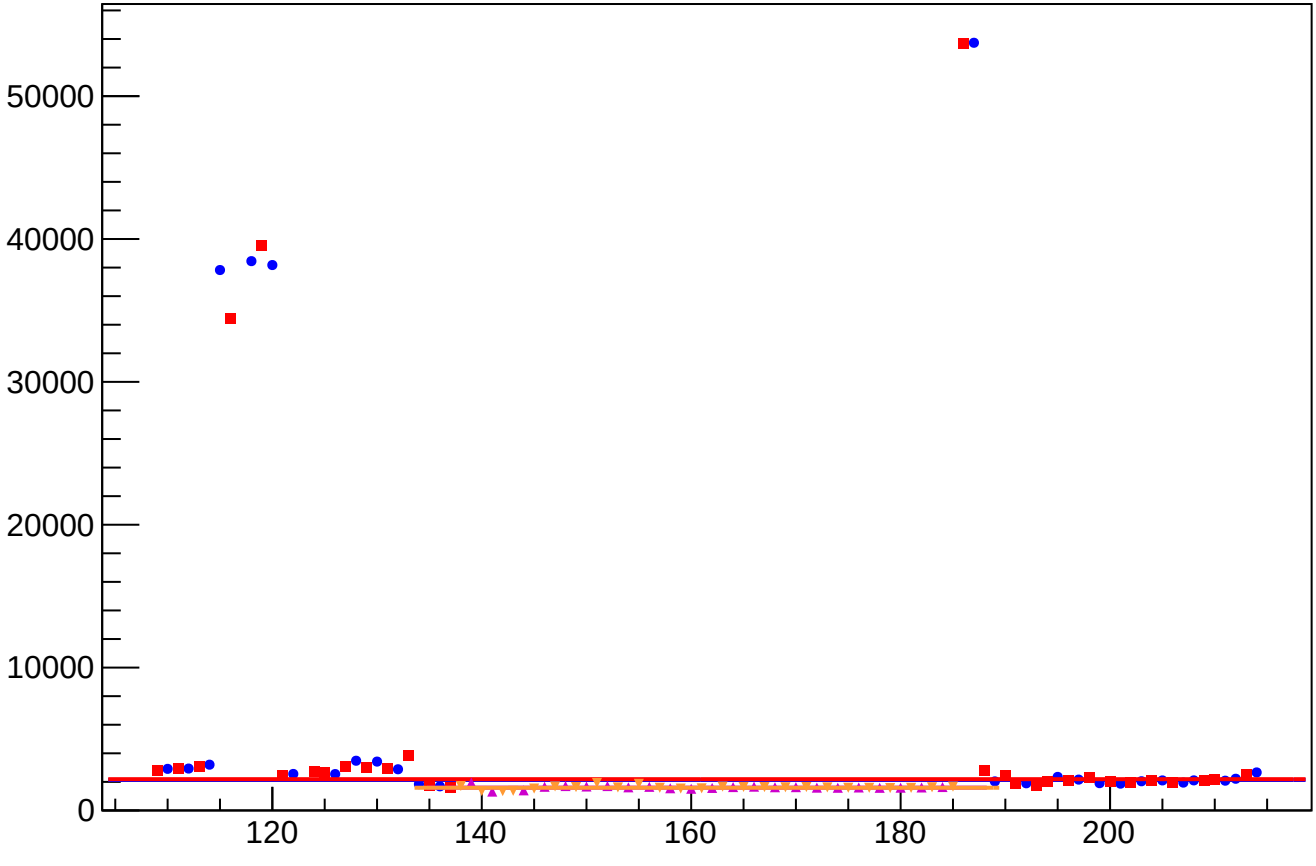
Right: 0.158+/-0.395 χ^2/NDF: 101.0/58

In: -0.616+/-0.310 χ^2/NDF:74.2/51

Out: -0.433+/-0.305 χ^2/NDF:117.4/54

All: -0.523+/-0.218 χ^2/NDF: 191.8/106

diff_bpm1p03aX_rms vs Slug, Sign Corrected



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

Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

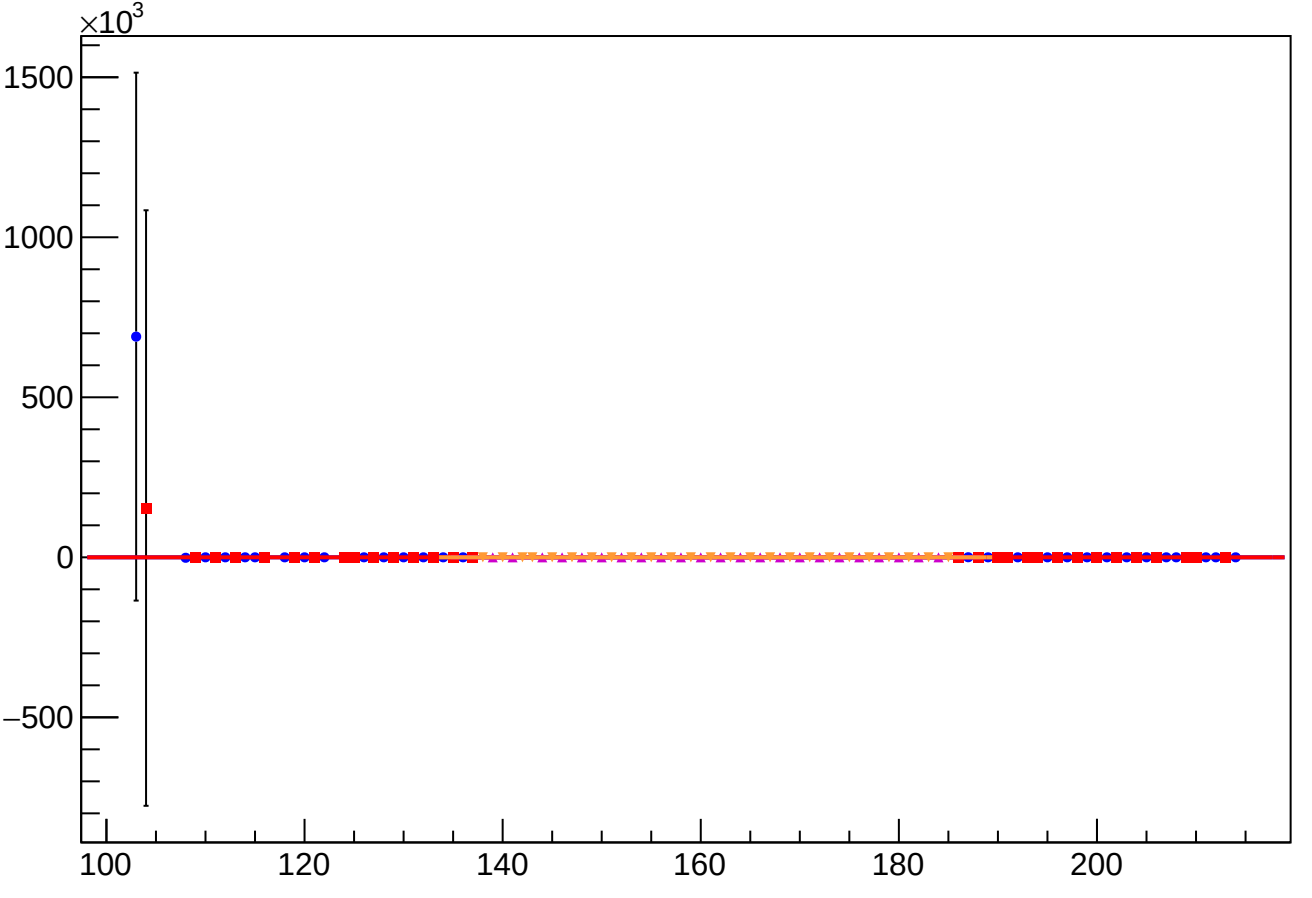
Right: 2160.998+/-0.280 χ^2/NDF: 6353609.6/55

In: 1765.164+/-0.219 χ^2/NDF:4550635.1/49

Out: 1764.610+/-0.216 χ^2/NDF:5113769.3/53

All: 1764.882+/-0.154 χ^2/NDF: 9664407.6/10

diff_bpm1p03aY_mean vs Slug, Sign Corrected



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

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

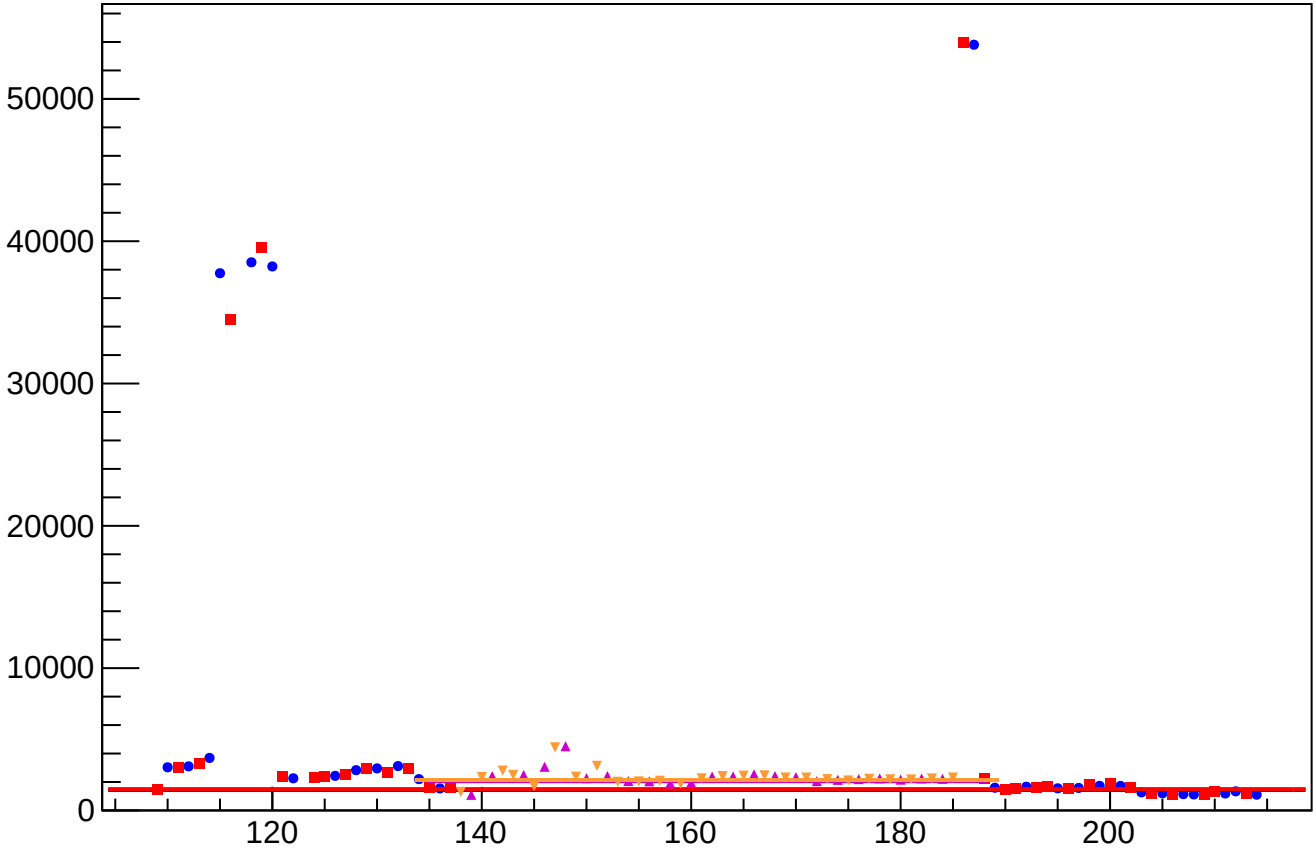
Right: 0.217+/-0.277 χ^2/NDF: 66.4/58

In: -0.153+/-0.304 χ^2/NDF:45.1/51

Out: -0.066+/-0.313 χ^2/NDF:68.5/54

All: -0.111+/-0.218 χ^2/NDF: 113.6/106

diff_bpm1p03aY_rms vs Slug, Sign Corrected



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

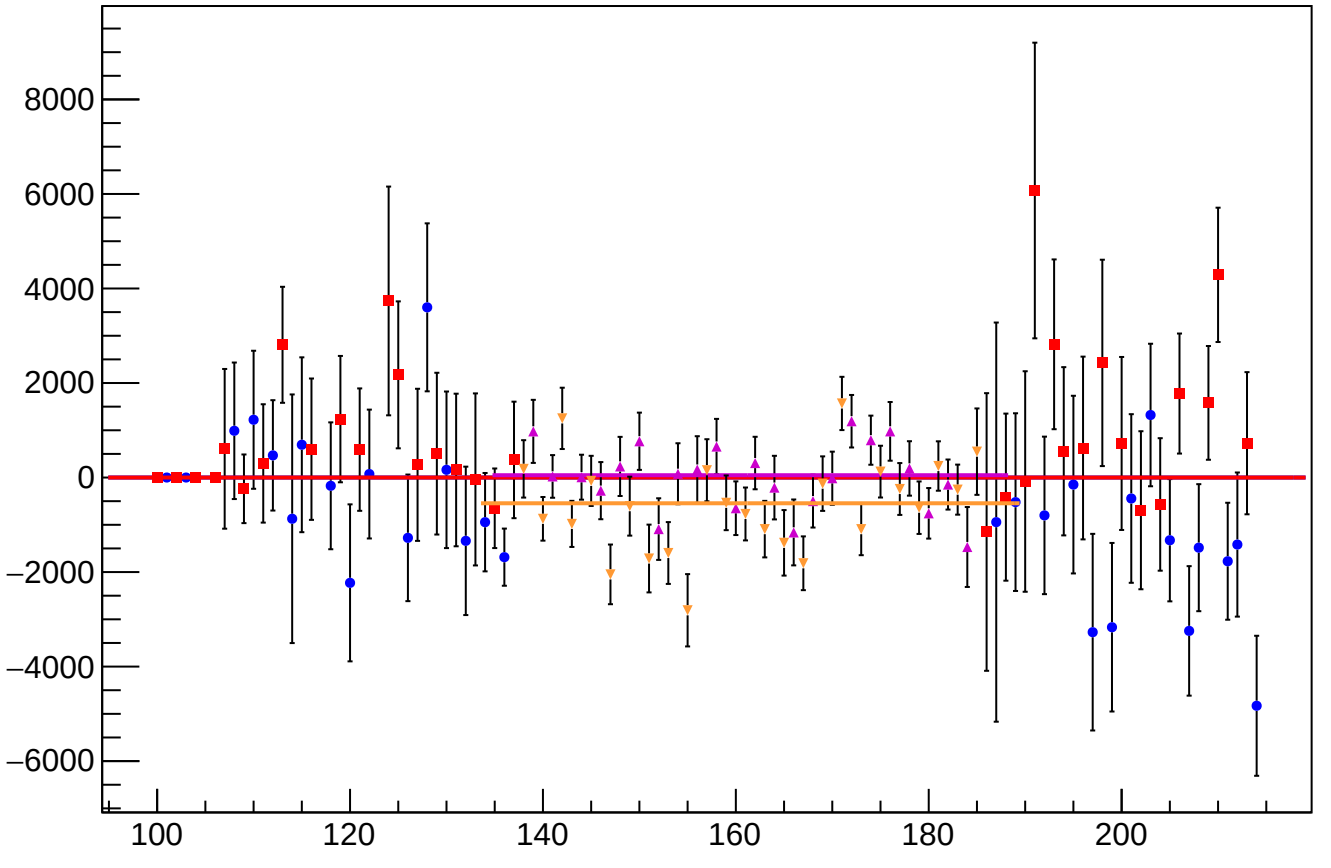
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

Right: 1466.754+/-0.196 χ^2/NDF: 9459498.3/55

In: 1665.374+/-0.215 χ^2/NDF:8928751.9/49

Out: 1748.386+/-0.221 χ^2/NDF:8201618.5/53

All: 1705.674+/-0.154 χ^2/NDF: 17202670.3/1



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

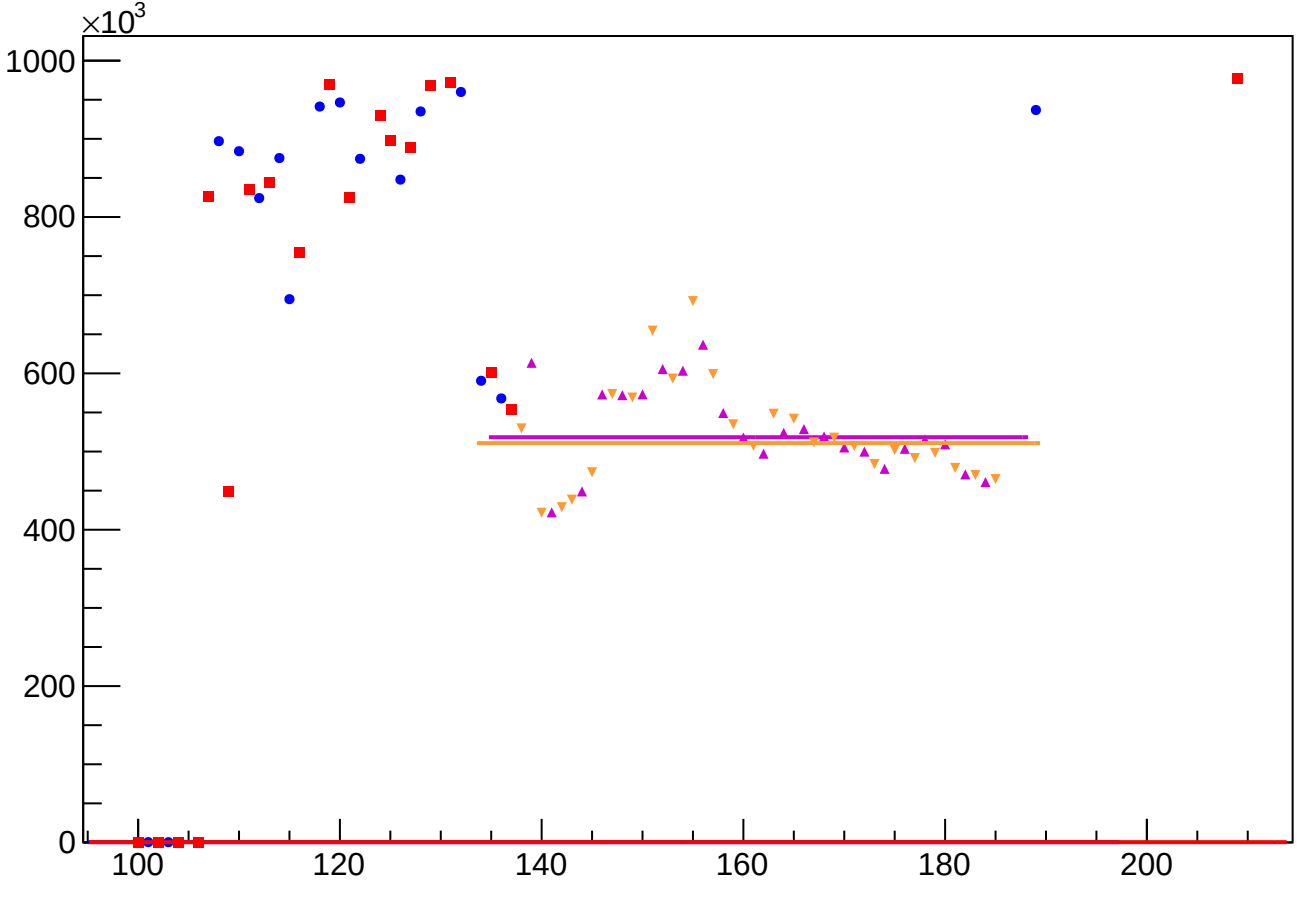
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 83.3/63

In: 0.255+/-0.356 χ^2/NDF:74.1/52

Out: -0.099+/-0.328 χ^2/NDF:119.3/58

All: 0.063+/-0.241 χ^2/NDF: 193.9/111



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

Left: 514412.615+/-59.736 χ^2/NDF: 913427.9/47

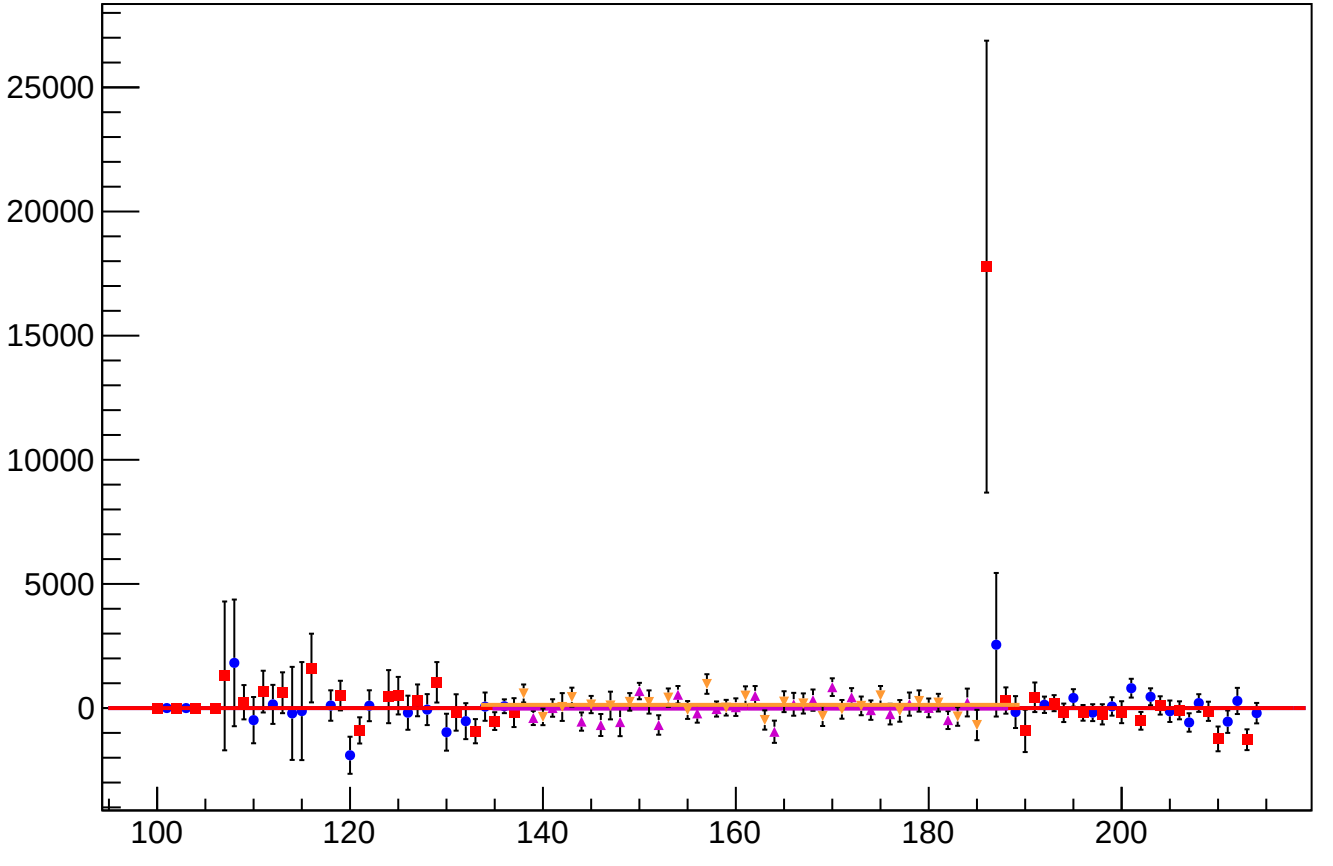
Right: 395.838+/-0.170 χ^2/NDF: 16370006.0/34

In: 403.300+/-0.251 χ^2/NDF:45168150.0/38

Out: 397.237+/-0.232 χ^2/NDF:46157267.3/43

All: 400.022+/-0.170 χ^2/NDF: 91325731.6/82

diff_cav4bY_mean vs Slug, Sign Corrected



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

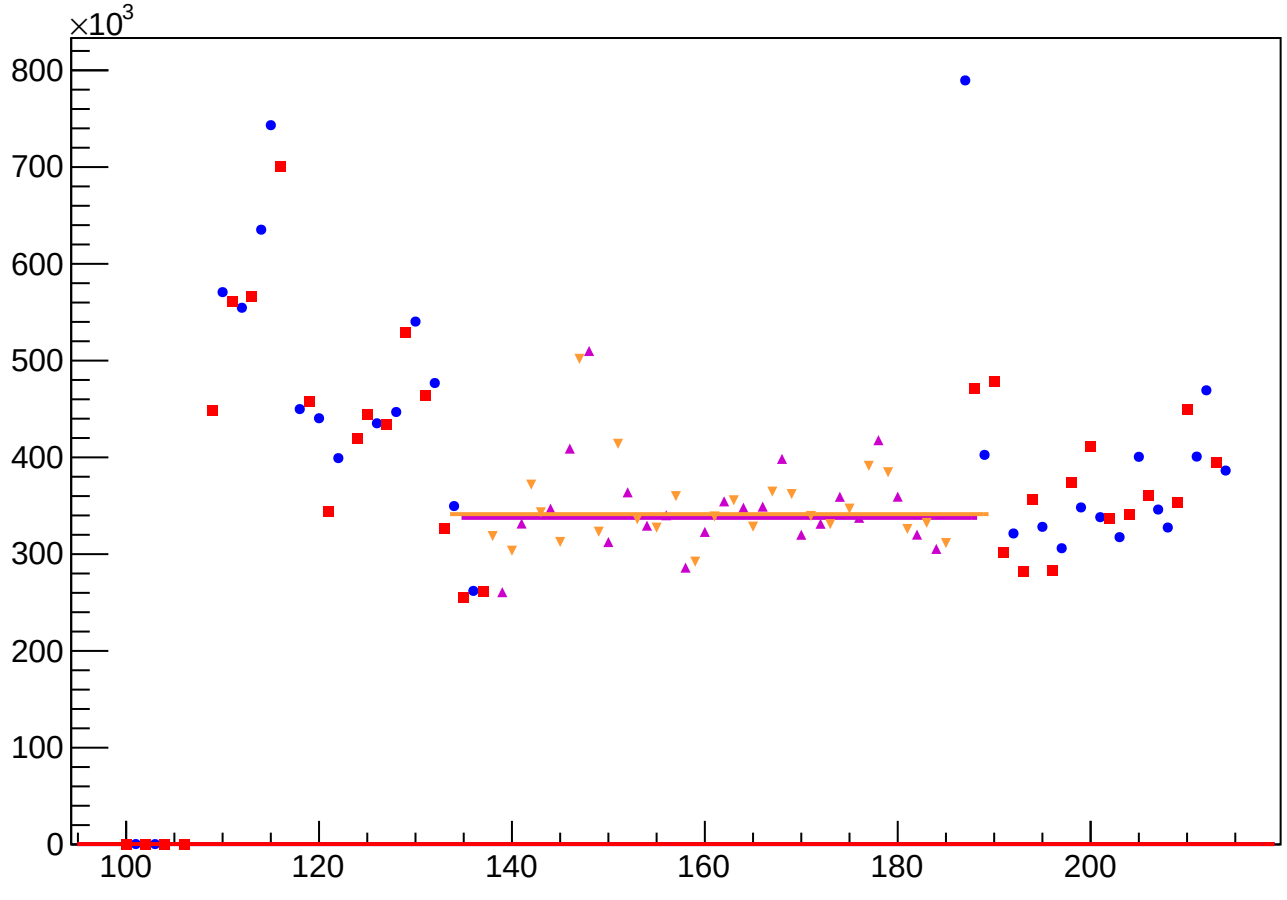
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 65.9/63

In: -0.020+/-0.347 χ^2/NDF:58.0/52

Out: -0.599+/-0.324 χ^2/NDF:63.0/58

All: -0.329+/-0.237 χ^2/NDF: 122.5/111



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

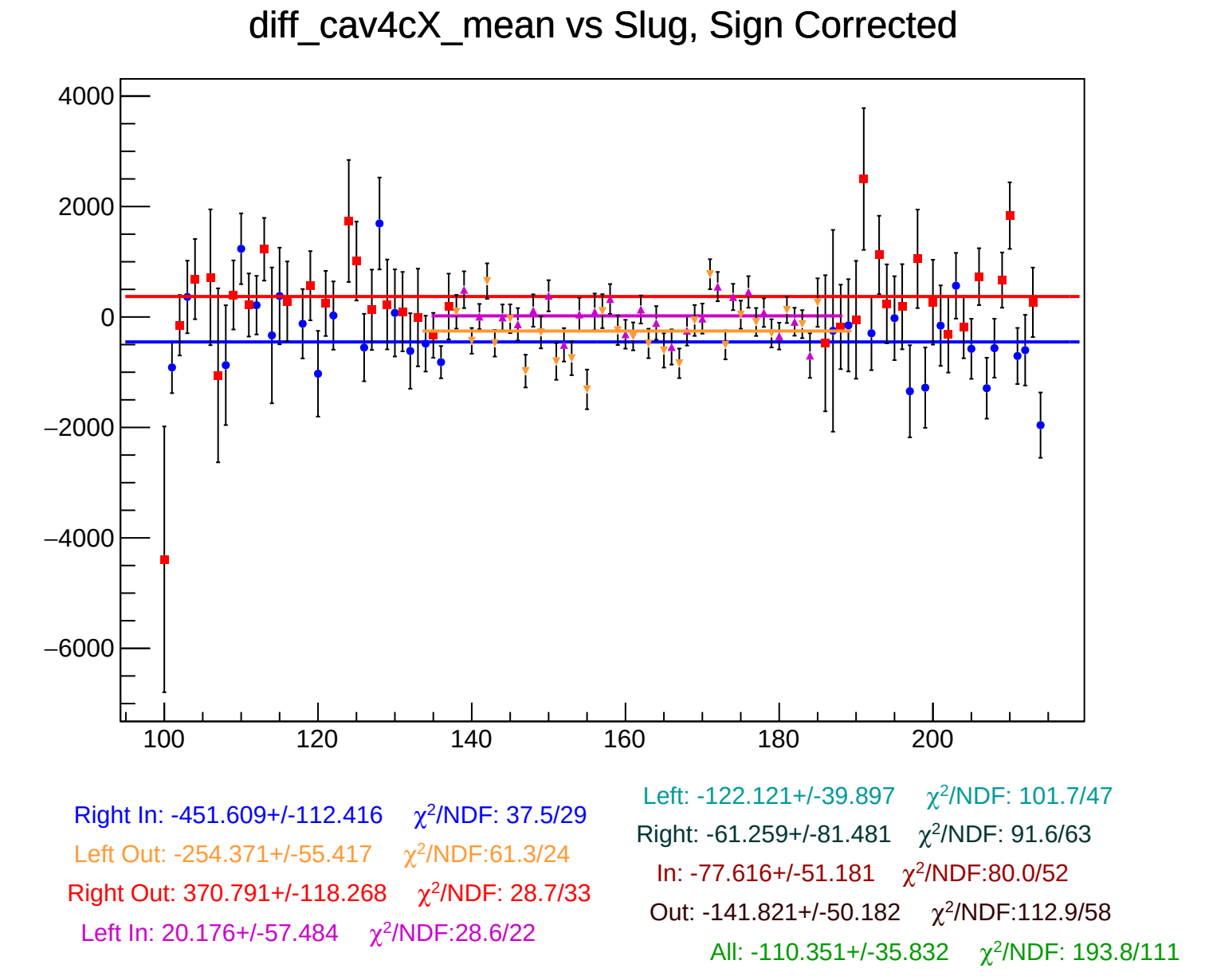
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

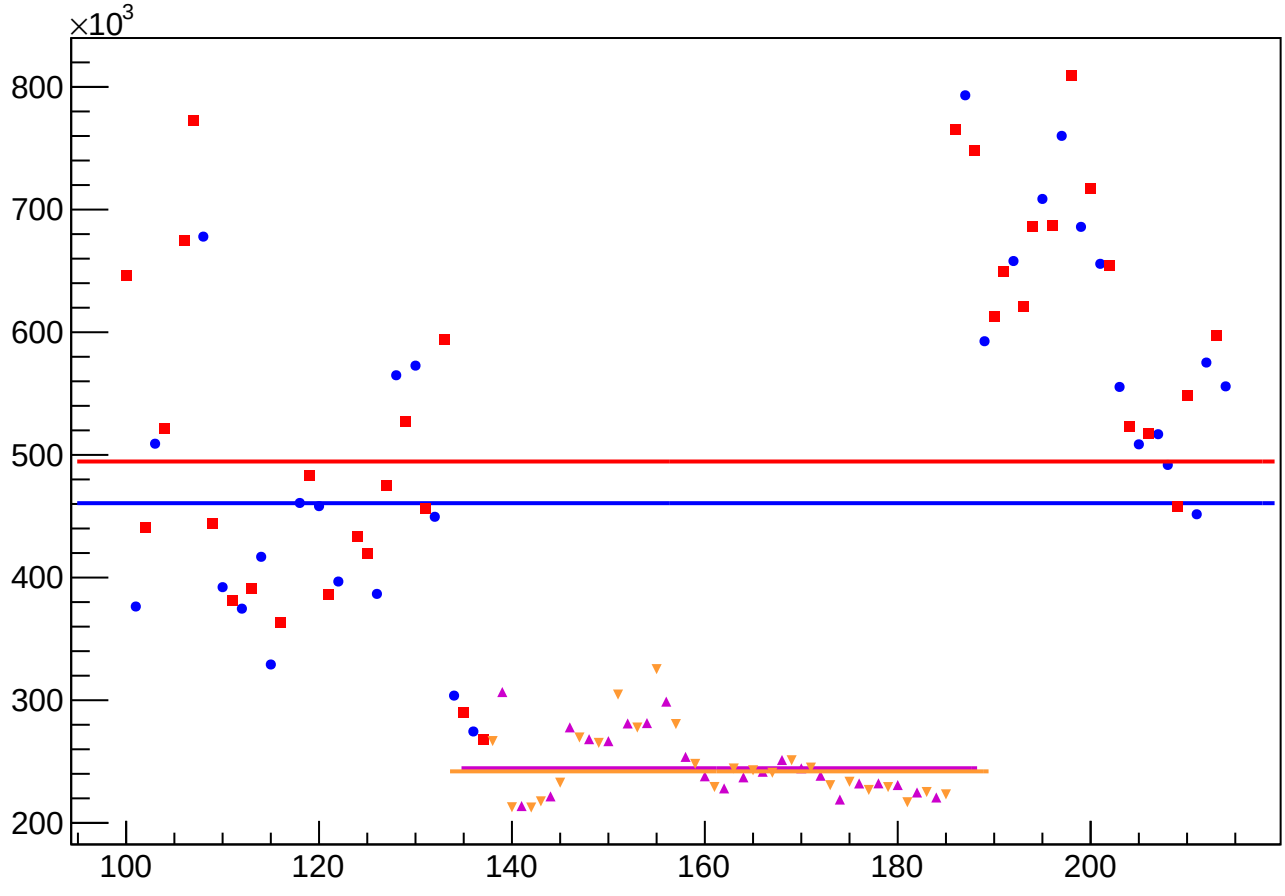
Right: 392.406+/-0.167 χ^2/NDF: 64927709.5/60

In: 400.269+/-0.245 χ^2/NDF:68614893.1/51

Out: 396.957+/-0.229 χ^2/NDF:71001423.6/56

All: 398.498+/-0.167 χ^2/NDF: 139616414.1/1


diff_cav4cX_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -451.609+/-112.416 χ²/NDF: 37.5/29
Left Out: -254.371+/-55.417 χ²/NDF:61.3/24
Right Out: 370.791+/-118.268 χ²/NDF: 28.7/33
Left In: 20.176+/-57.484 χ²/NDF:28.6/22
Left: -122.121+/-39.897 χ²/NDF: 101.7/47
Right: -61.259+/-81.481 χ²/NDF: 91.6/63
In: -77.616+/-51.181 χ²/NDF:80.0/52
Out: -141.821+/-50.182 χ²/NDF:112.9/58
All: -110.351+/-35.832 χ²/NDF: 193.8/111



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

Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

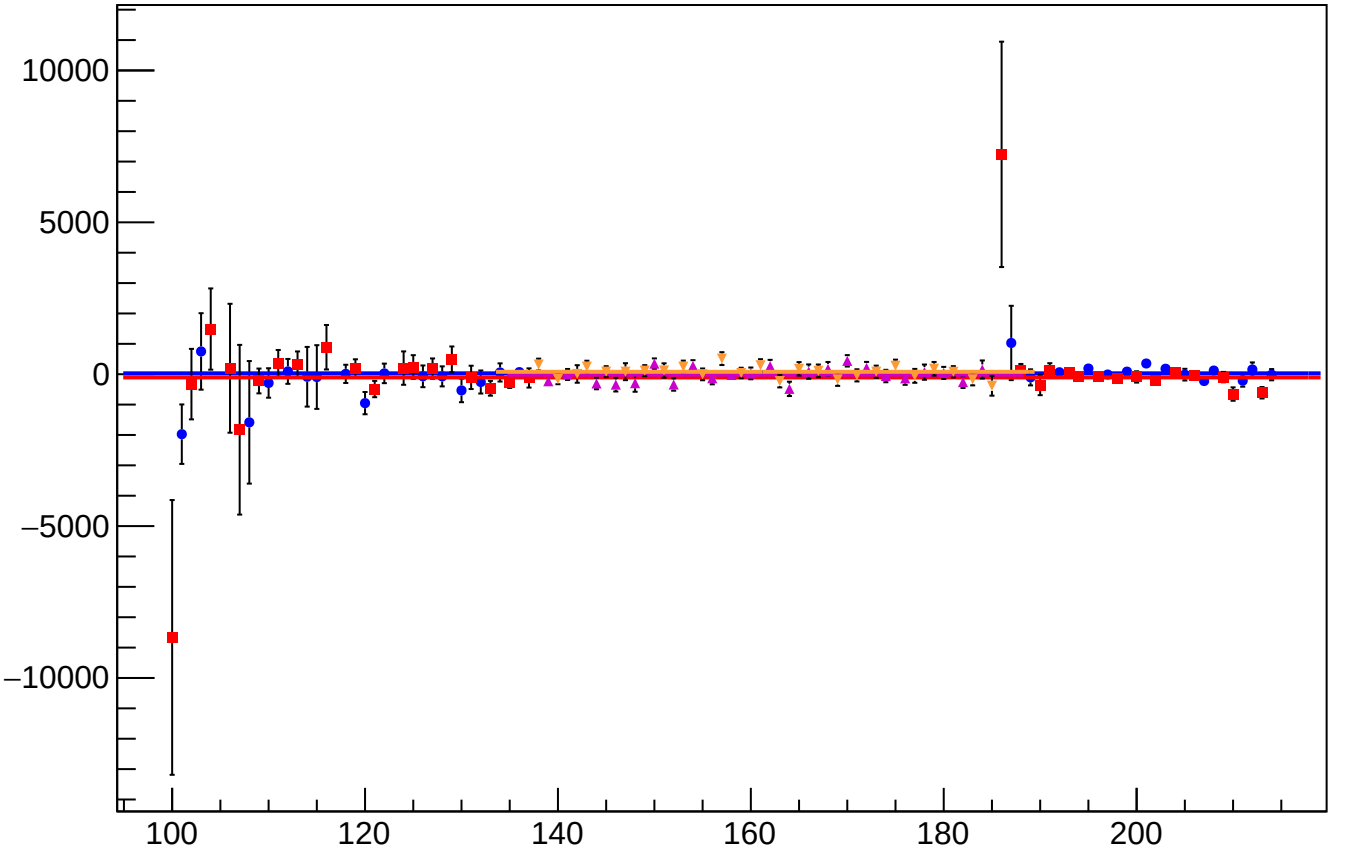
Right: 476759.084+/-57.648 χ^2/NDF: 5381416.5/63

In: 289325.051+/-36.191 χ^2/NDF:8931156.7/52

Out: 287411.883+/-35.490 χ^2/NDF:10465172.5/58

All: 288349.756+/-25.340 χ^2/NDF: 1939775

diff_cav4cY_mean vs Slug, Sign Corrected



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

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

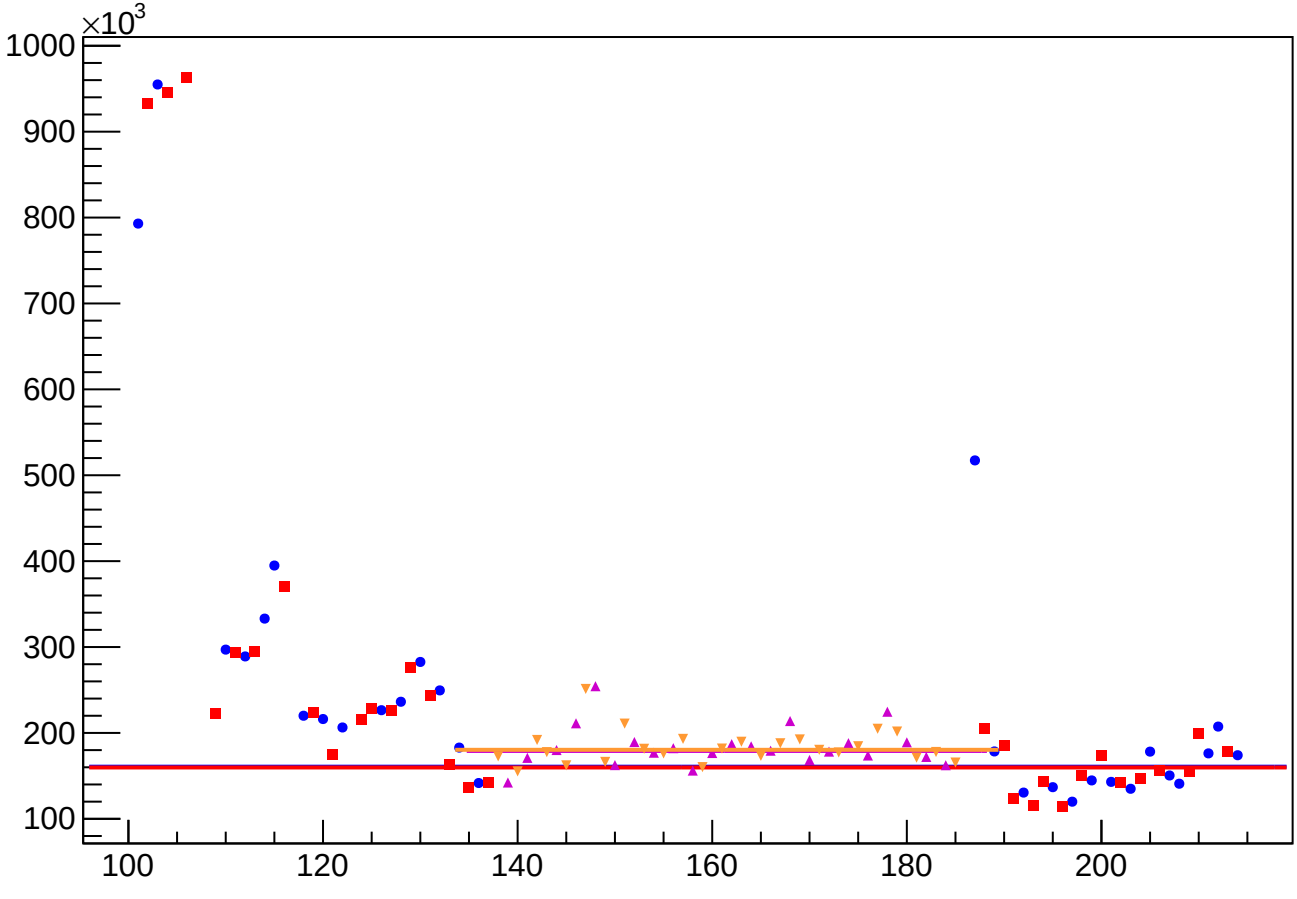
Right: -38.733+/-28.566 χ^2/NDF: 75.4/63

In: 8.412+/-29.212 χ^2/NDF:61.6/52

Out: -15.483+/-28.861 χ^2/NDF:71.9/58

All: -3.680+/-20.531 χ^2/NDF: 133.9/111

diff_cav4cY_rms vs Slug, Sign Corrected



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

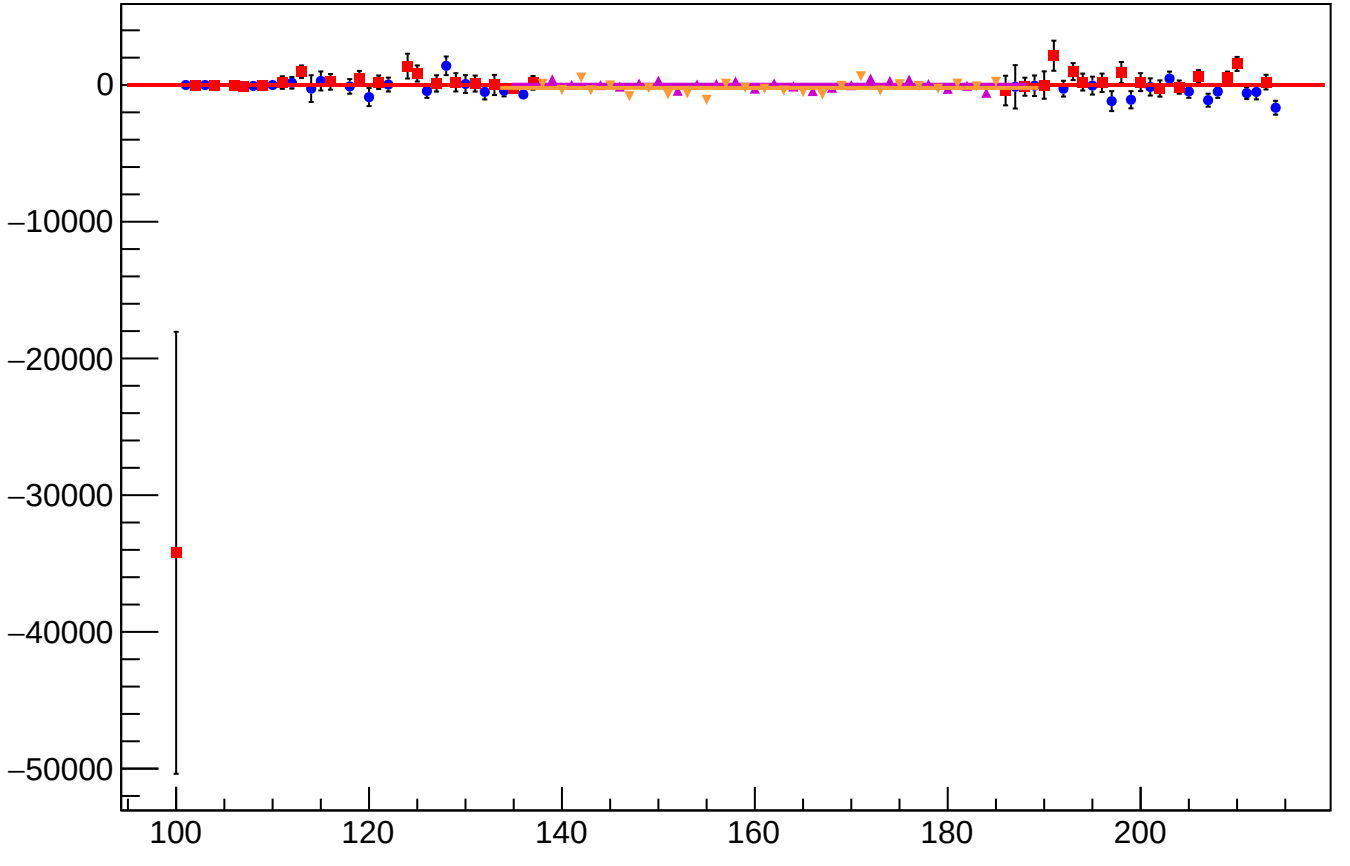
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 160249.602+/-20.209 χ^2/NDF: 6730234.7/59

In: 169474.230+/-20.660 χ^2/NDF:4067276.6/51

Out: 169834.220+/-20.414 χ^2/NDF:3959781.0/55

All: 169656.383+/-14.521 χ^2/NDF: 8027211.



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

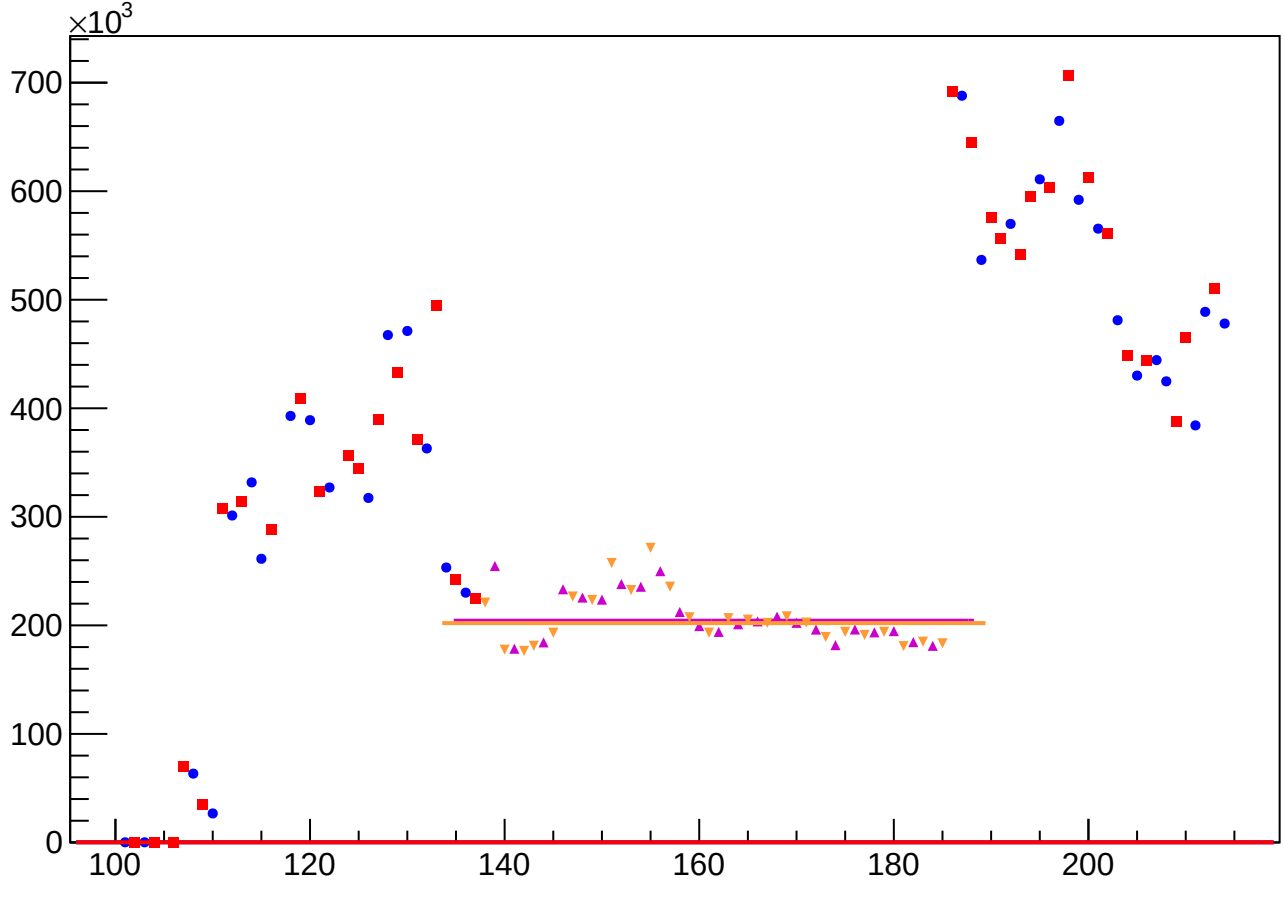
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 86.7/63

In: -0.036+/-0.172 χ^2/NDF:74.6/52

Out: 0.353+/-0.160 χ^2/NDF:119.9/58

All: 0.173+/-0.117 χ^2/NDF: 197.3/111



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

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

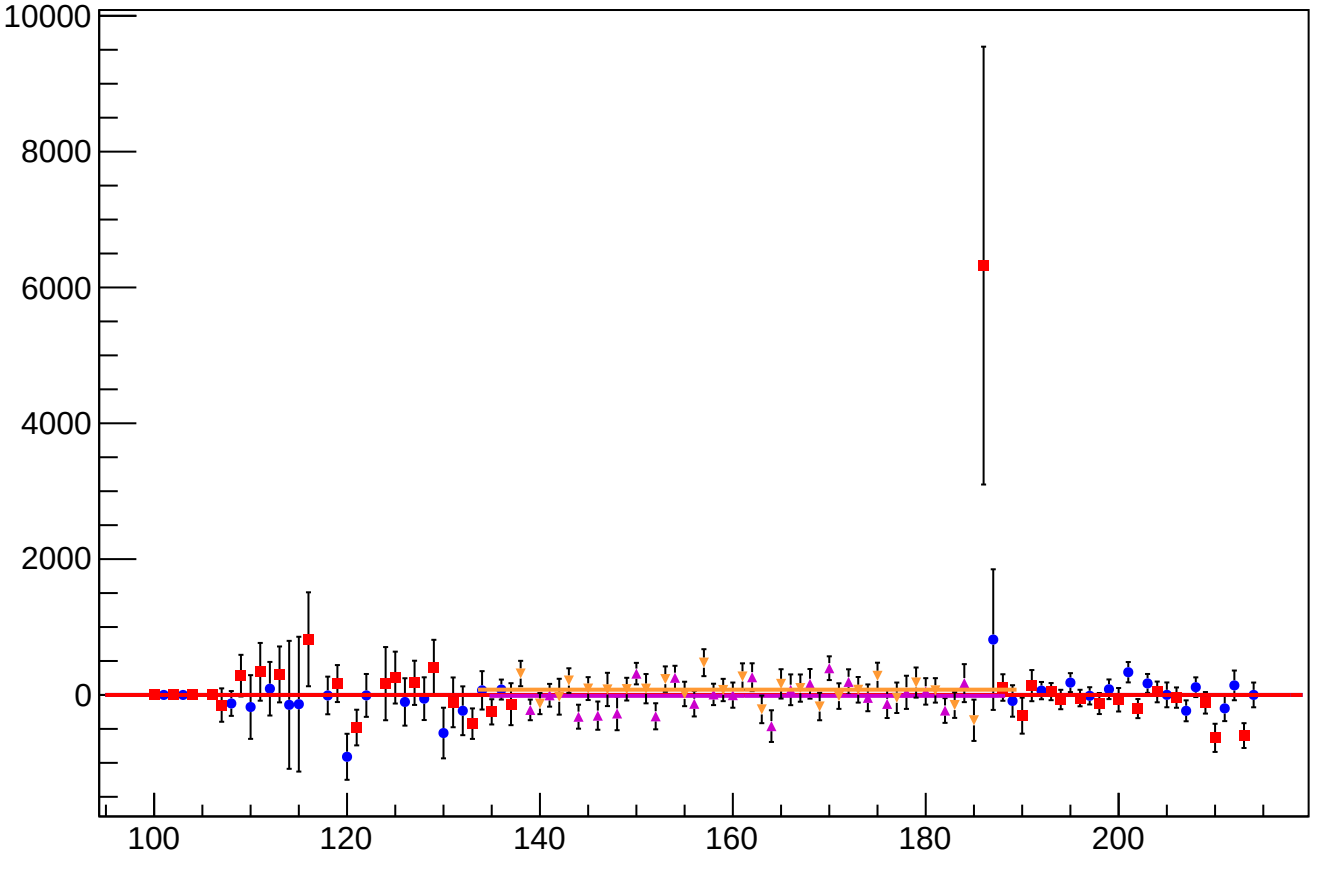
Right: 149.843+/-0.083 χ^2/NDF: 67590956.8/62

In: 152.367+/-0.122 χ^2/NDF:69843313.5/52

Out: 152.347+/-0.113 χ^2/NDF:72745861.3/57

All: 152.356+/-0.083 χ^2/NDF: 142589174.8/1

diff_cav4dY_mean vs Slug, Sign Corrected



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

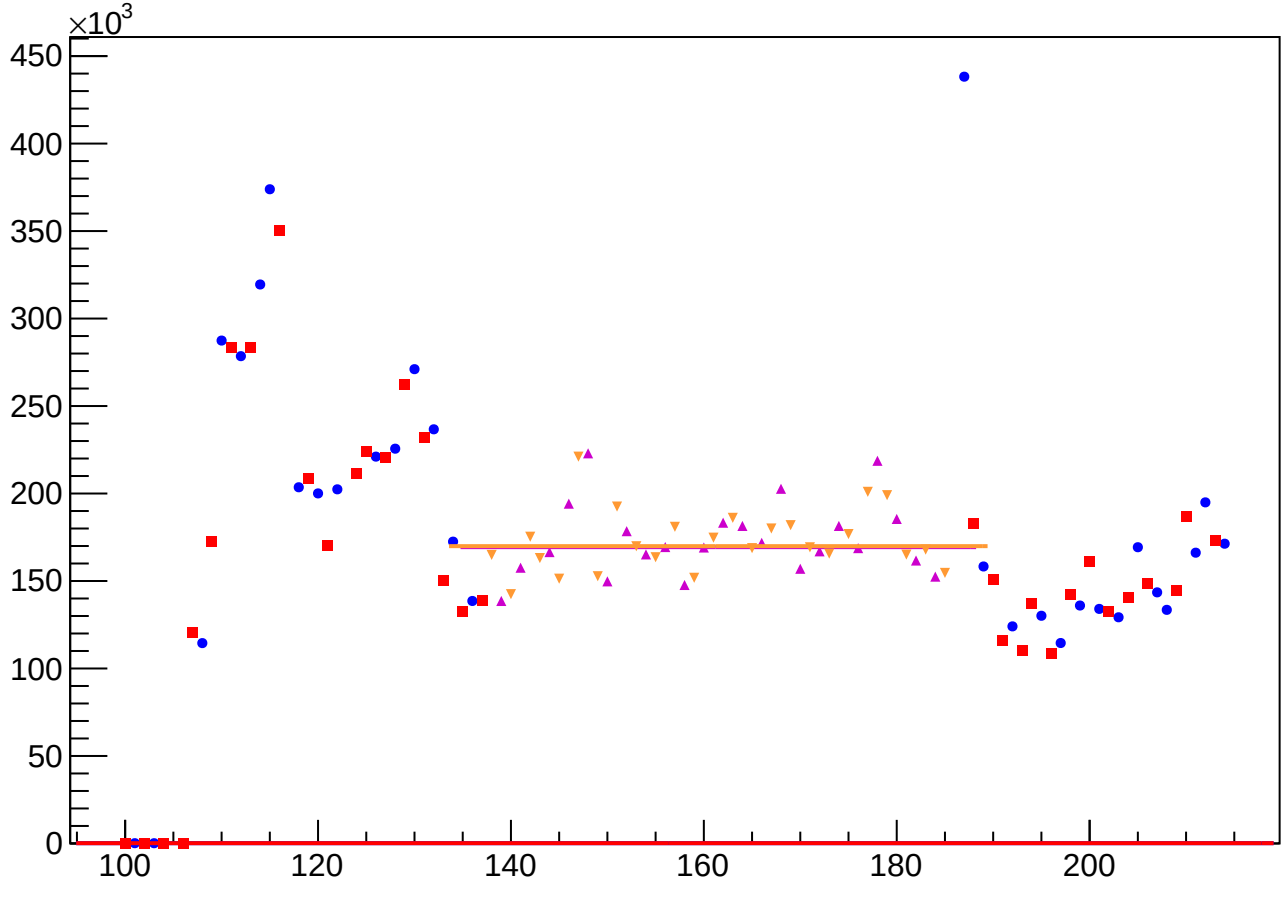
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 70.4/63

In: -0.067+/-0.177 χ^2/NDF:57.9/52

Out: -0.126+/-0.166 χ^2/NDF:68.2/58

All: -0.099+/-0.121 χ^2/NDF: 126.2/111



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

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

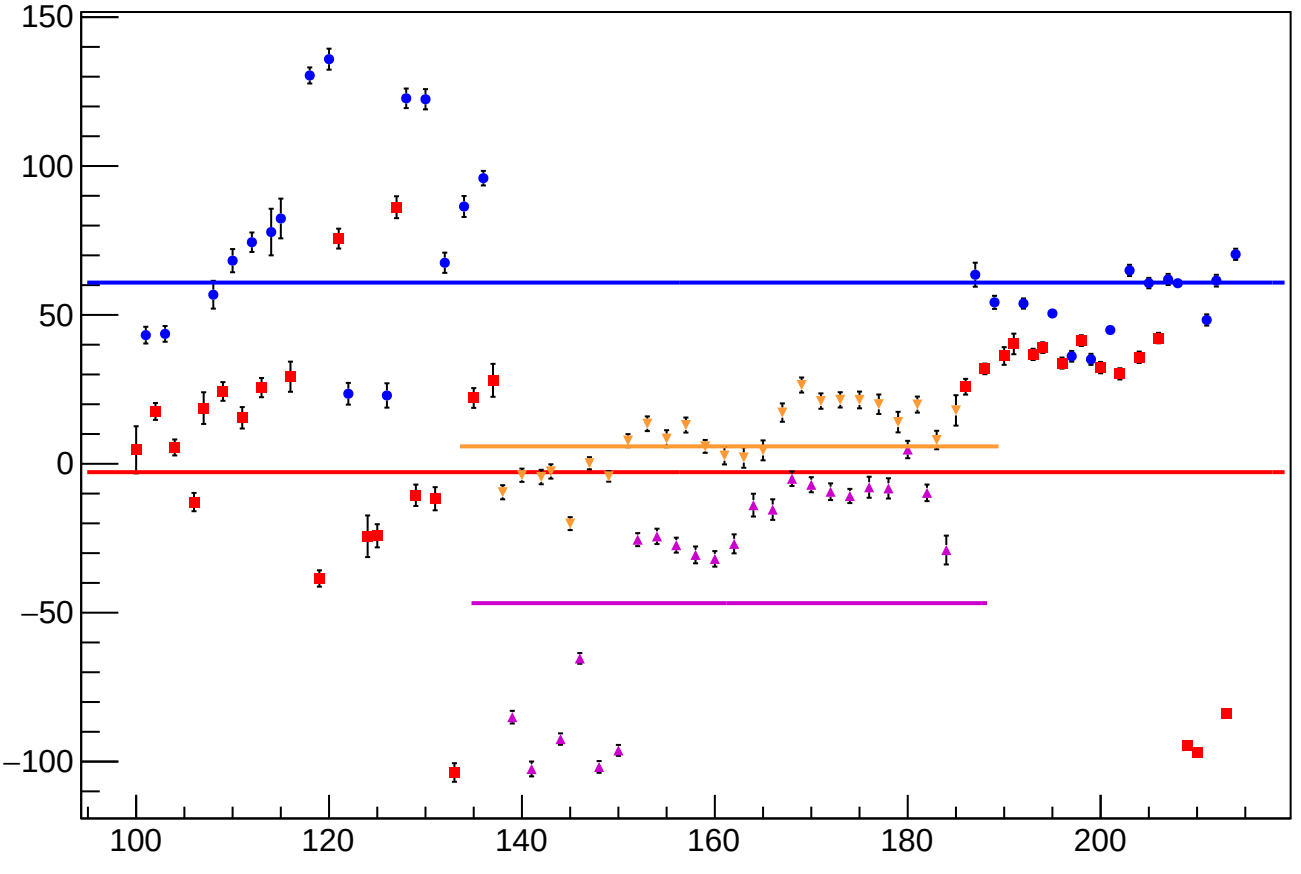
Right: 157.120+/-0.086 χ^2/NDF: 66689025.7/62

In: 159.157+/-0.125 χ^2/NDF:69954880.1/52

Out: 161.371+/-0.118 χ^2/NDF:71529084.6/57

All: 160.333+/-0.086 χ^2/NDF: 141484130.6/1

diff_bpm0i01X_mean vs Slug, Sign Corrected



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

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

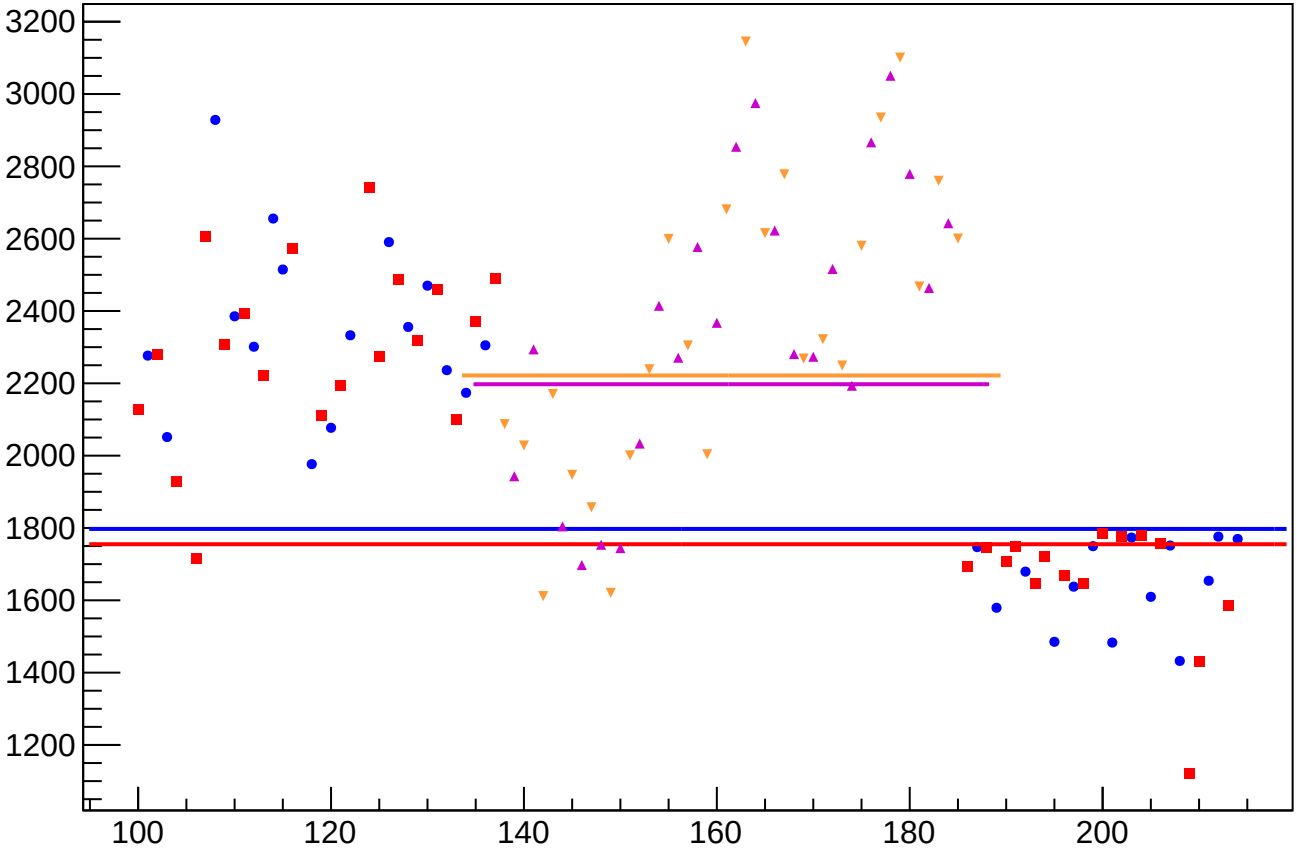
Right: 27.744+/-0.297 χ^2/NDF: 33126.0/63

In: 17.740+/-0.332 χ^2/NDF:33417.4/52

Out: 0.577+/-0.321 χ^2/NDF:19377.3/58

All: 8.881+/-0.231 χ^2/NDF: 54174.7/111

diff_bpm0i01X_rms vs Slug, Sign Corrected



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

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

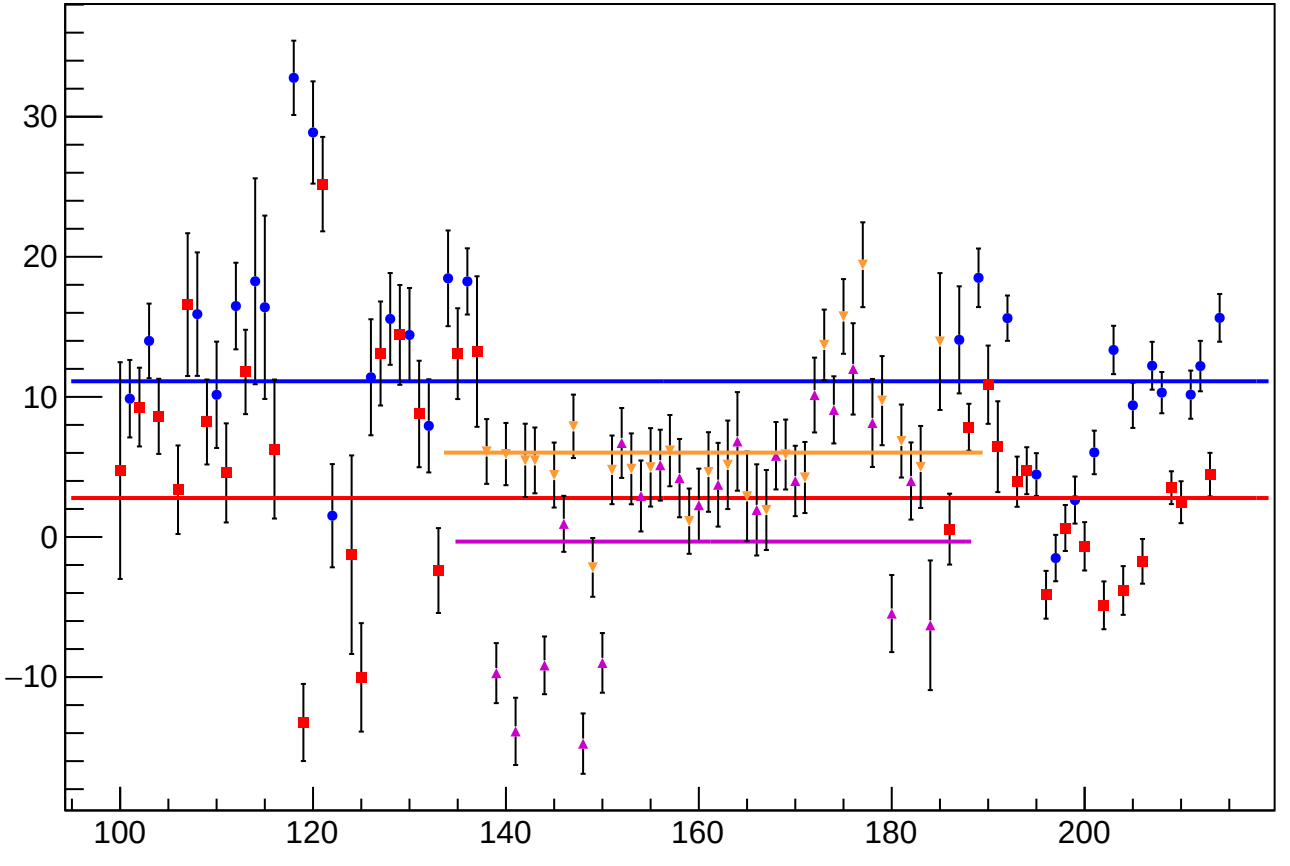
Right: 1775.376+/-0.210 χ^2/NDF: 2574118.2/63

In: 1957.615+/-0.235 χ^2/NDF:2889074.1/52

Out: 1937.534+/-0.227 χ^2/NDF:3665612.3/58

All: 1947.250+/-0.163 χ^2/NDF: 6558464.5/11

diff_bpm0i01Y_mean vs Slug, Sign Corrected



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

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

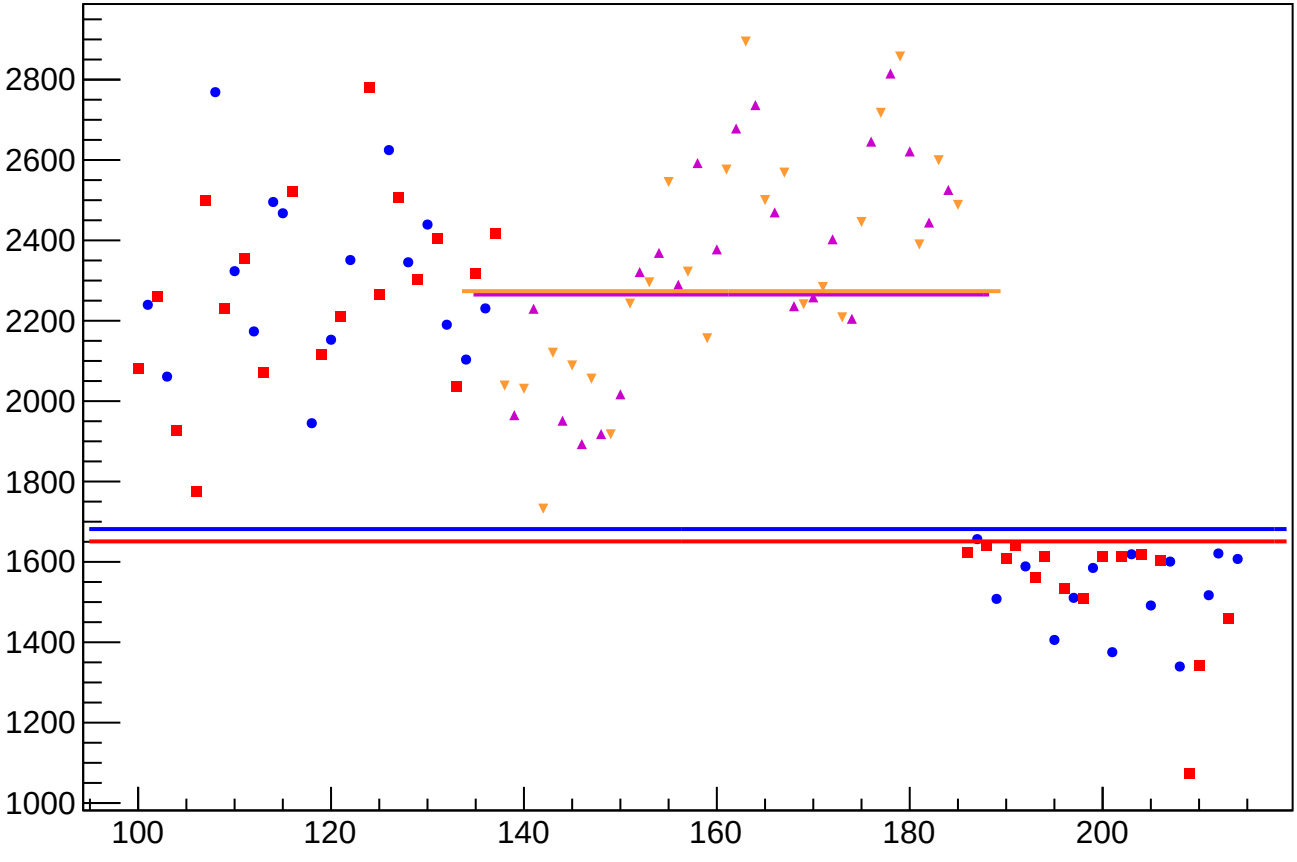
Right: 6.800+/-0.279 χ^2/NDF: 734.5/63

In: 6.978+/-0.321 χ^2/NDF:784.7/52

Out: 3.938+/-0.311 χ^2/NDF:341.7/58

All: 5.410+/-0.224 χ^2/NDF: 1172.5/111

diff_bpm0i01Y_rms vs Slug, Sign Corrected



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

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

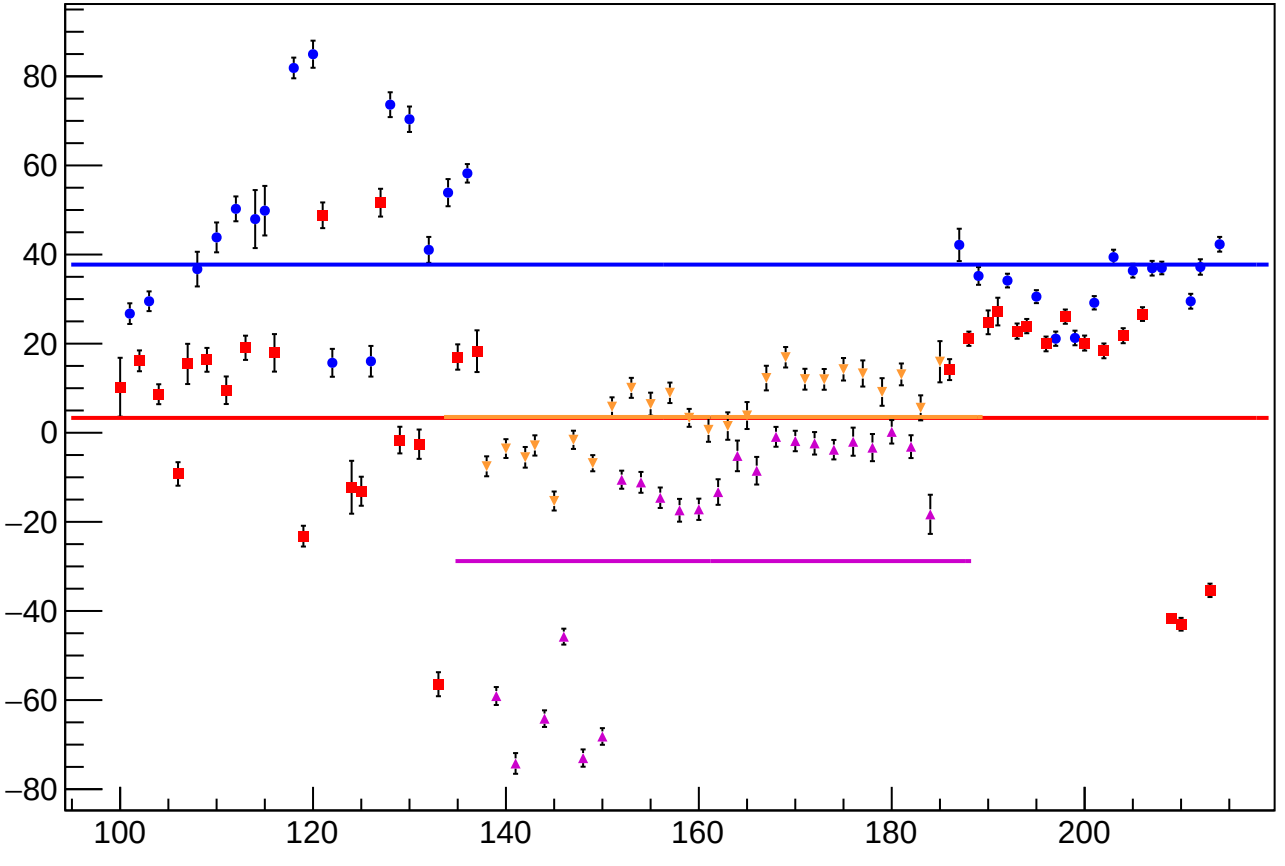
Right: 1665.771+/-0.197 χ^2/NDF: 3053919.5/63

In: 1892.576+/-0.227 χ^2/NDF:3373539.4/52

Out: 1873.339+/-0.220 χ^2/NDF:4066744.8/58

All: 1882.650+/-0.158 χ^2/NDF: 7443982.1/11

diff_bpm0i01aX_mean vs Slug, Sign Corrected



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

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

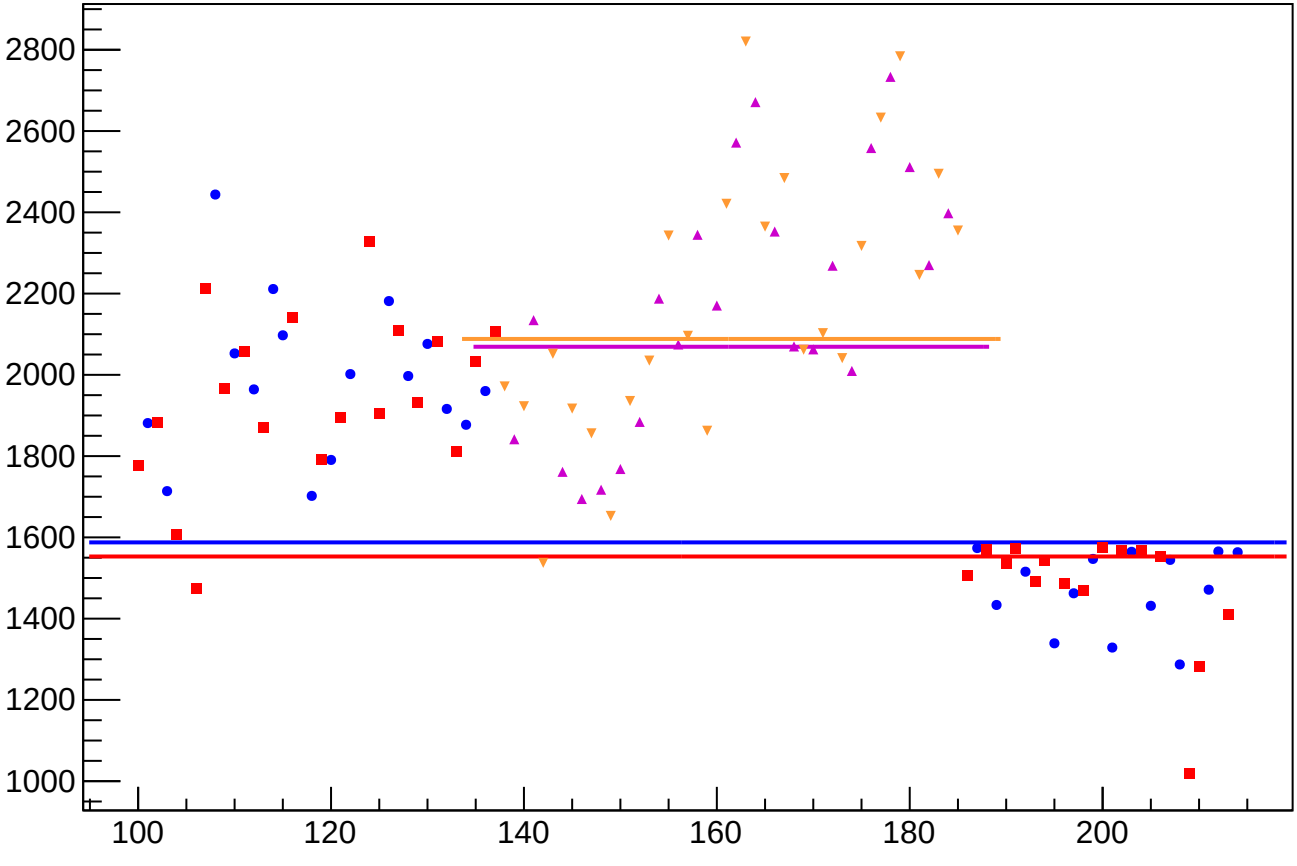
Right: 19.872+/-0.261 χ^2/NDF: 11871.9/63

In: 13.051+/-0.299 χ^2/NDF:16312.6/52

Out: 3.409+/-0.289 χ^2/NDF:6375.8/58

All: 8.074+/-0.208 χ^2/NDF: 23225.2/111

diff_bpm0i01aX_rms vs Slug, Sign Corrected



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

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

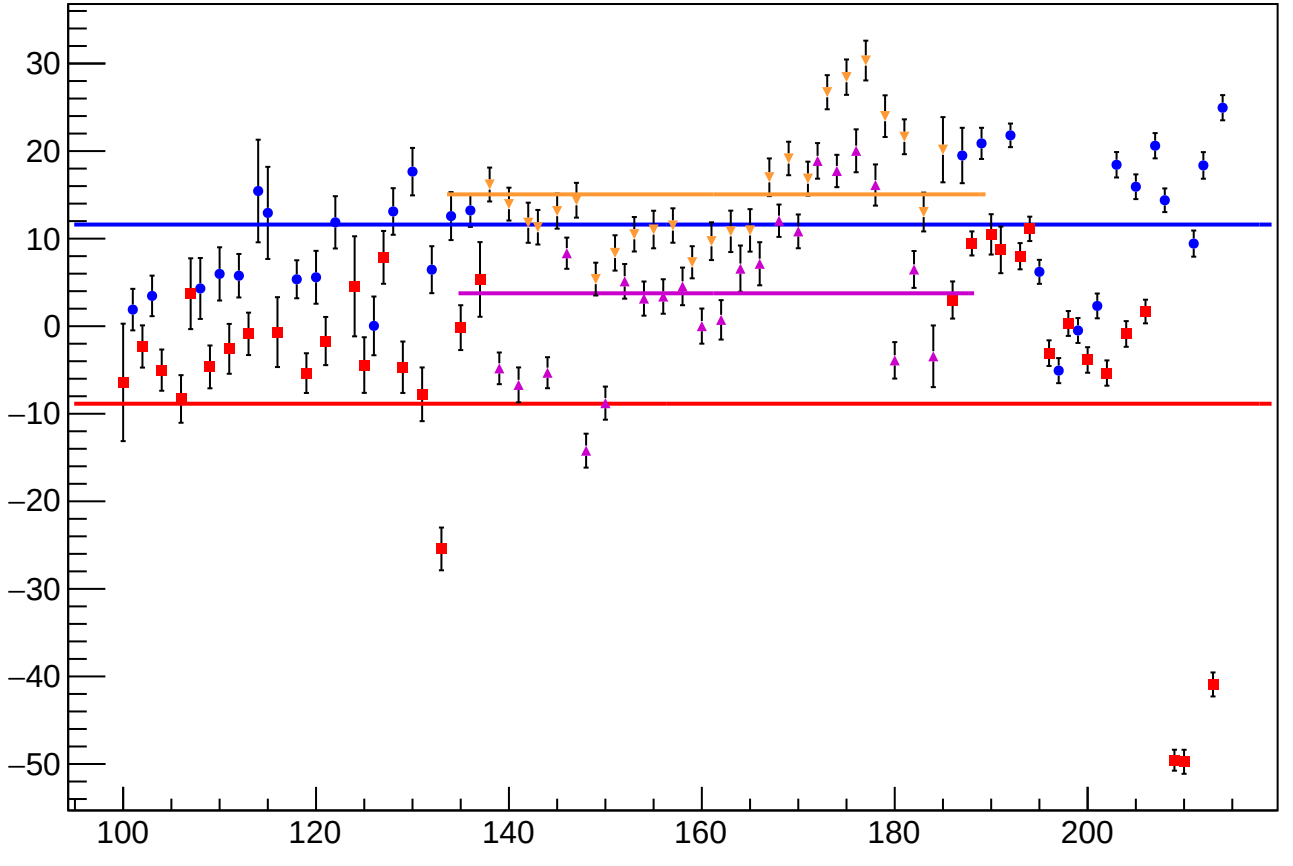
Right: 1569.626+/-0.185 χ^2/NDF: 2017425.4/63

In: 1766.291+/-0.211 χ^2/NDF:2754408.2/52

Out: 1747.400+/-0.205 χ^2/NDF:3546216.8/58

All: 1756.539+/-0.147 χ^2/NDF: 6304746.7/11

diff_bpm0i01aY_mean vs Slug, Sign Corrected



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

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

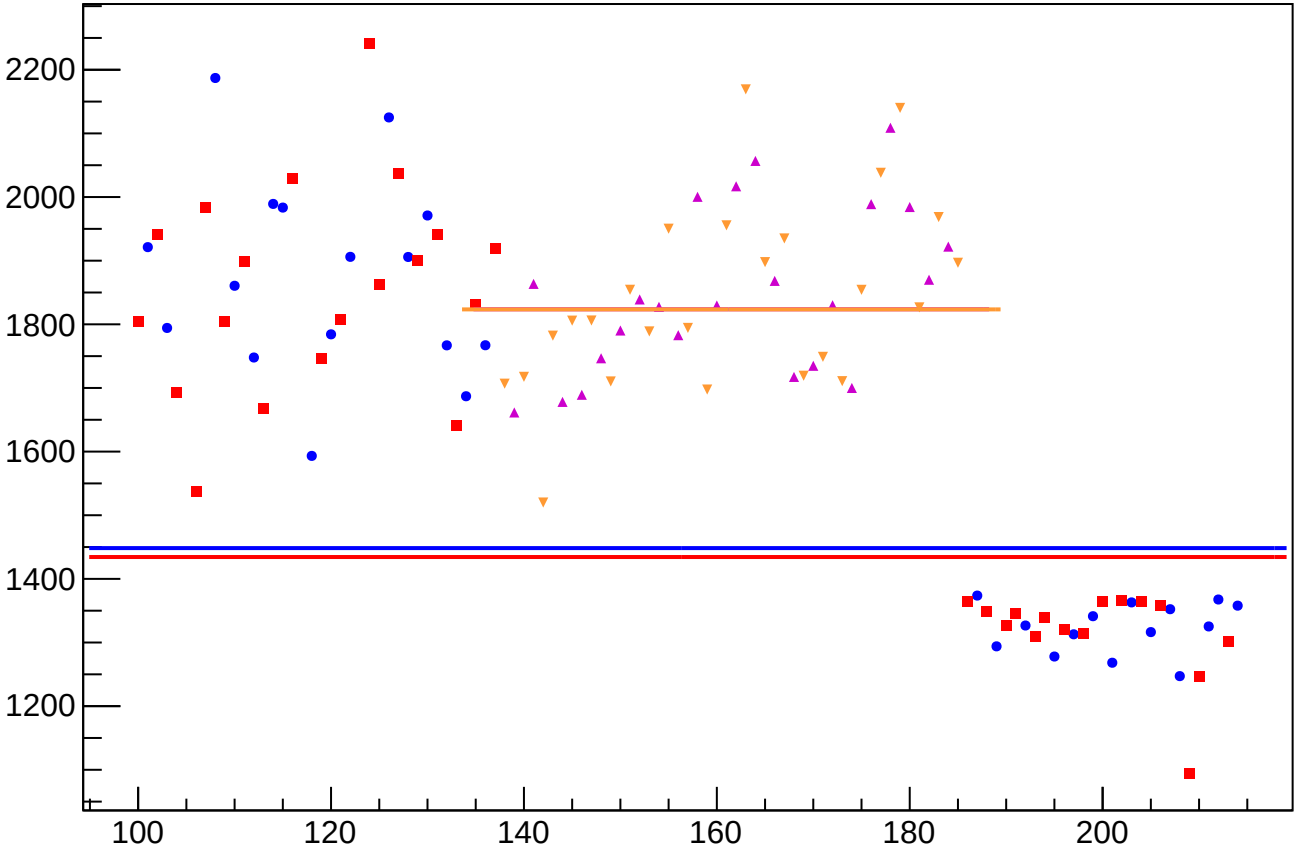
Right: 1.085+/-0.239 χ^2/NDF: 6020.7/63

In: 8.534+/-0.268 χ^2/NDF:1280.9/52

Out: 0.511+/-0.260 χ^2/NDF:5834.7/58

All: 4.408+/-0.187 χ^2/NDF: 7577.5/111

diff_bpm0i01aY_rms vs Slug, Sign Corrected



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

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

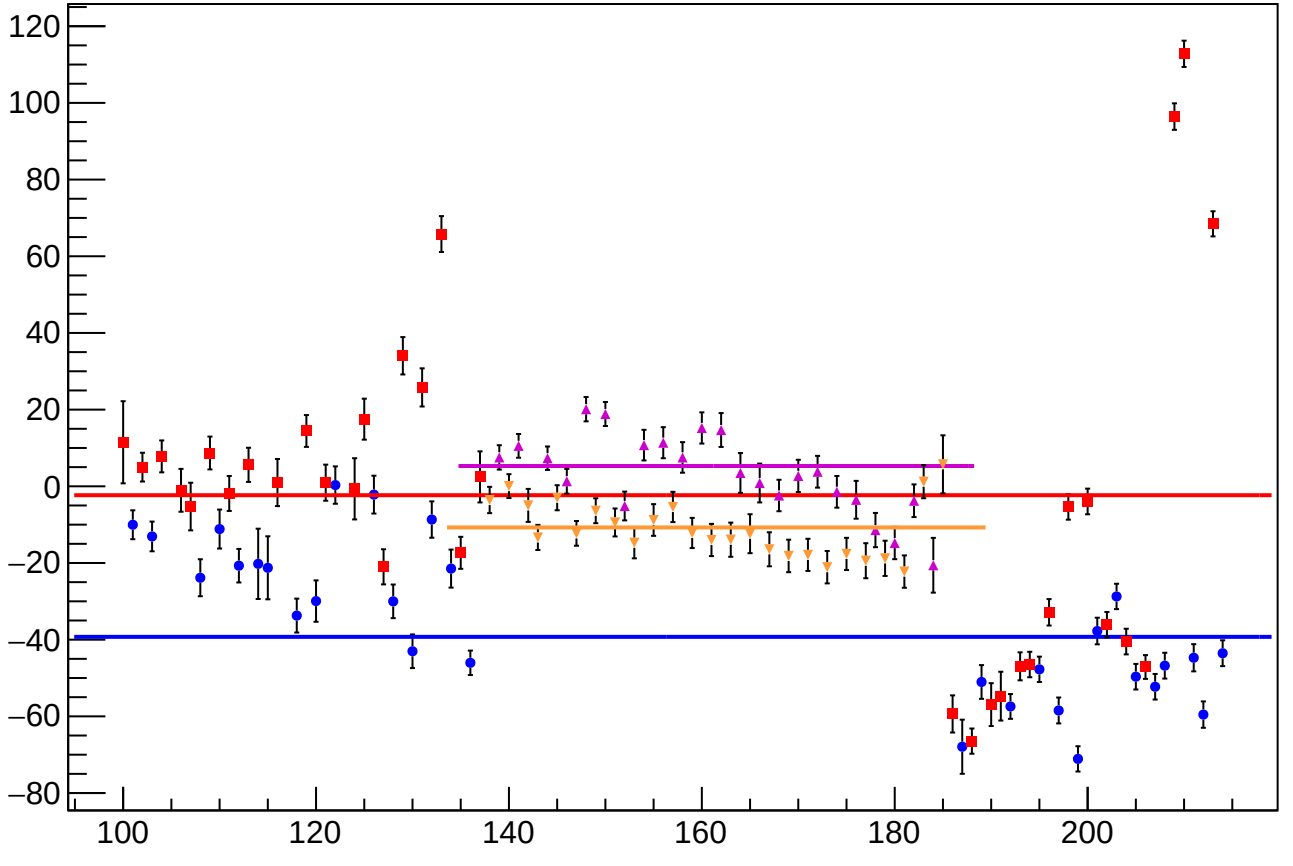
Right: 1441.152+/-0.169 χ^2/NDF: 1994516.5/63

In: 1595.311+/-0.189 χ^2/NDF:2044426.5/52

Out: 1586.741+/-0.184 χ^2/NDF:2325712.5/58

All: 1590.903+/-0.132 χ^2/NDF: 4371192.9/11

diff_bpm0l01X_mean vs Slug, Sign Corrected



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

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

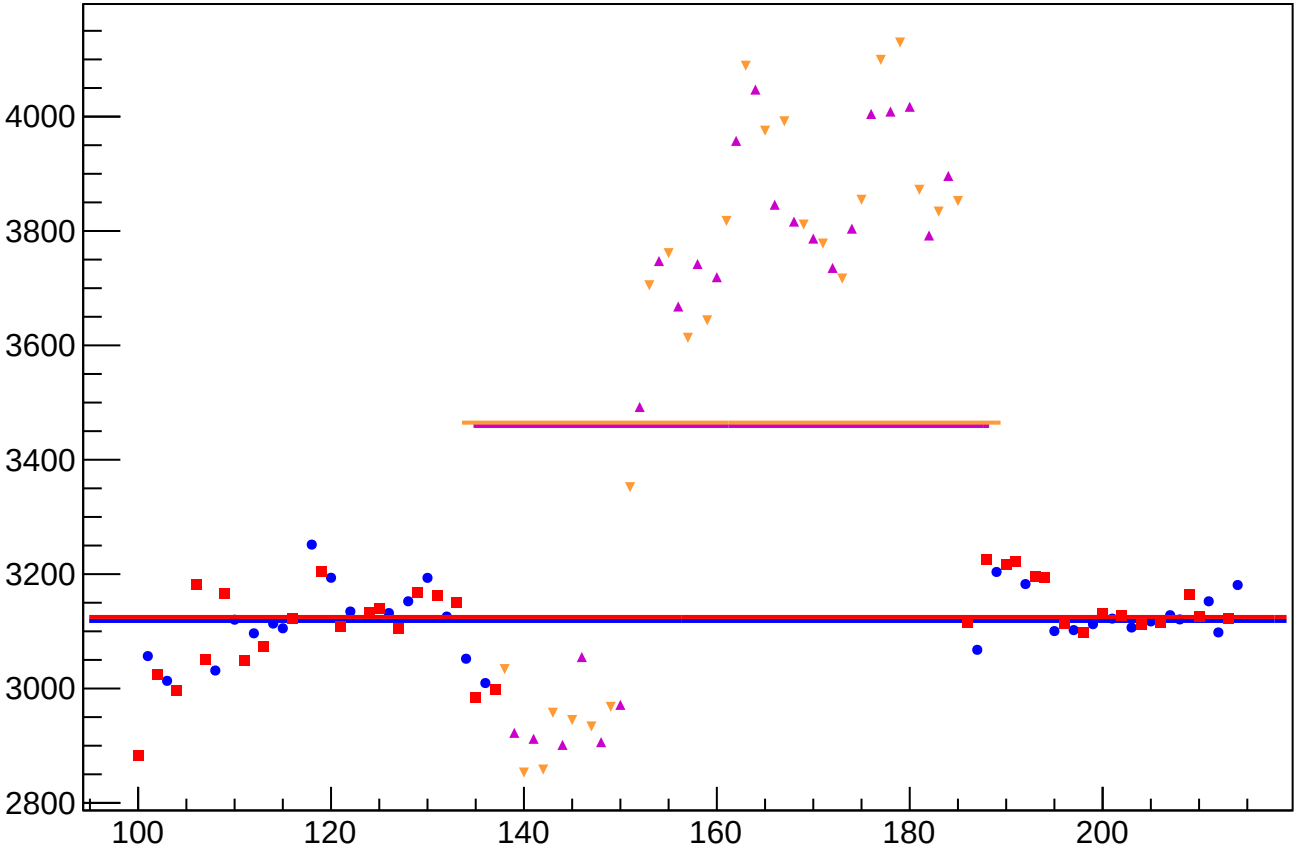
Right: -20.475+/-0.510 χ^2/NDF: 6266.9/63

In: -19.471+/-0.543 χ^2/NDF:2428.5/52

Out: -6.092+/-0.532 χ^2/NDF:4462.0/58

All: -12.642+/-0.380 χ^2/NDF: 7200.6/111

diff_bpm0l01X_rms vs Slug, Sign Corrected



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

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

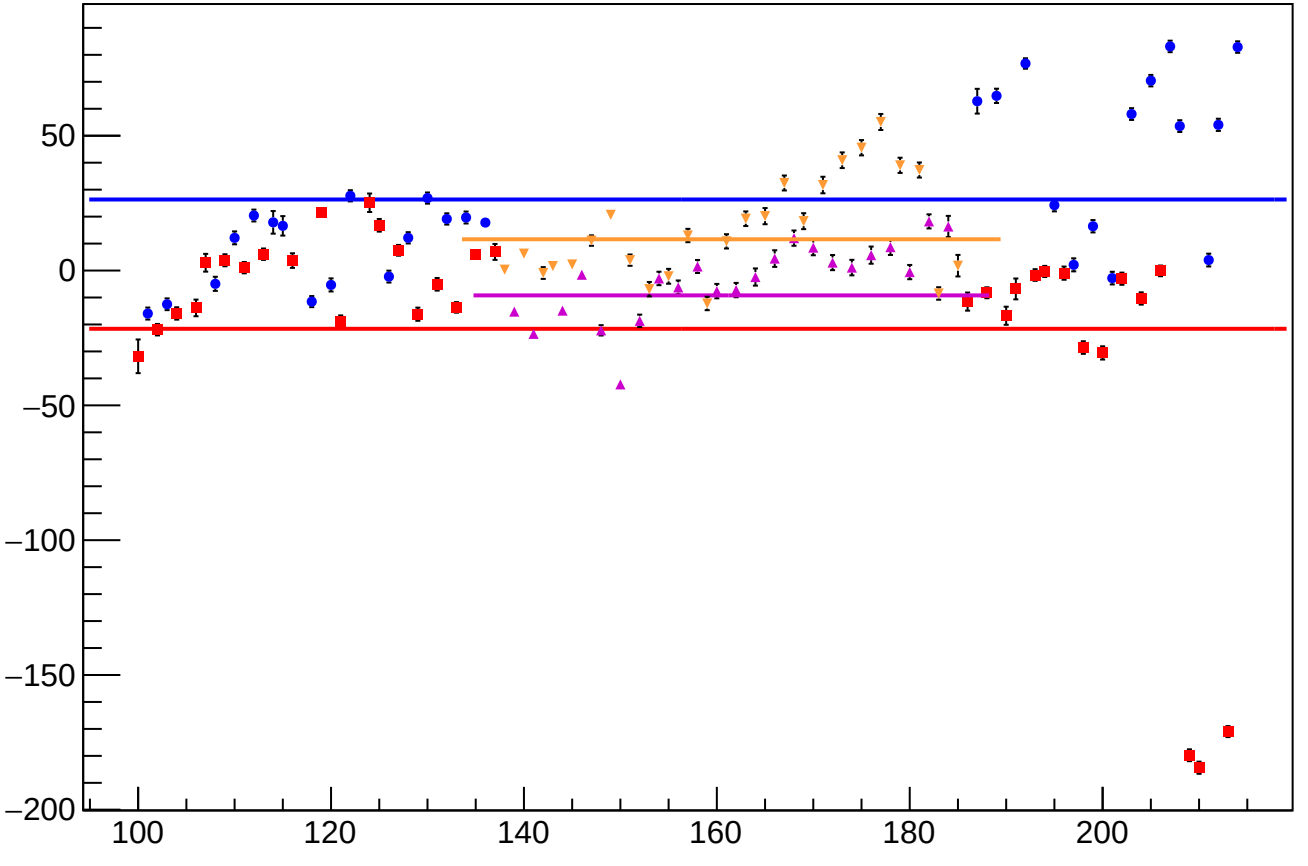
Right: 3121.718+/-0.361 χ^2/NDF: 26150.9/63

In: 3269.598+/-0.384 χ^2/NDF:789202.8/52

Out: 3277.493+/-0.376 χ^2/NDF:861069.1/58

All: 3273.628+/-0.269 χ^2/NDF: 1650487.9/11

diff_bpm0l01Y_mean vs Slug, Sign Corrected



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

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

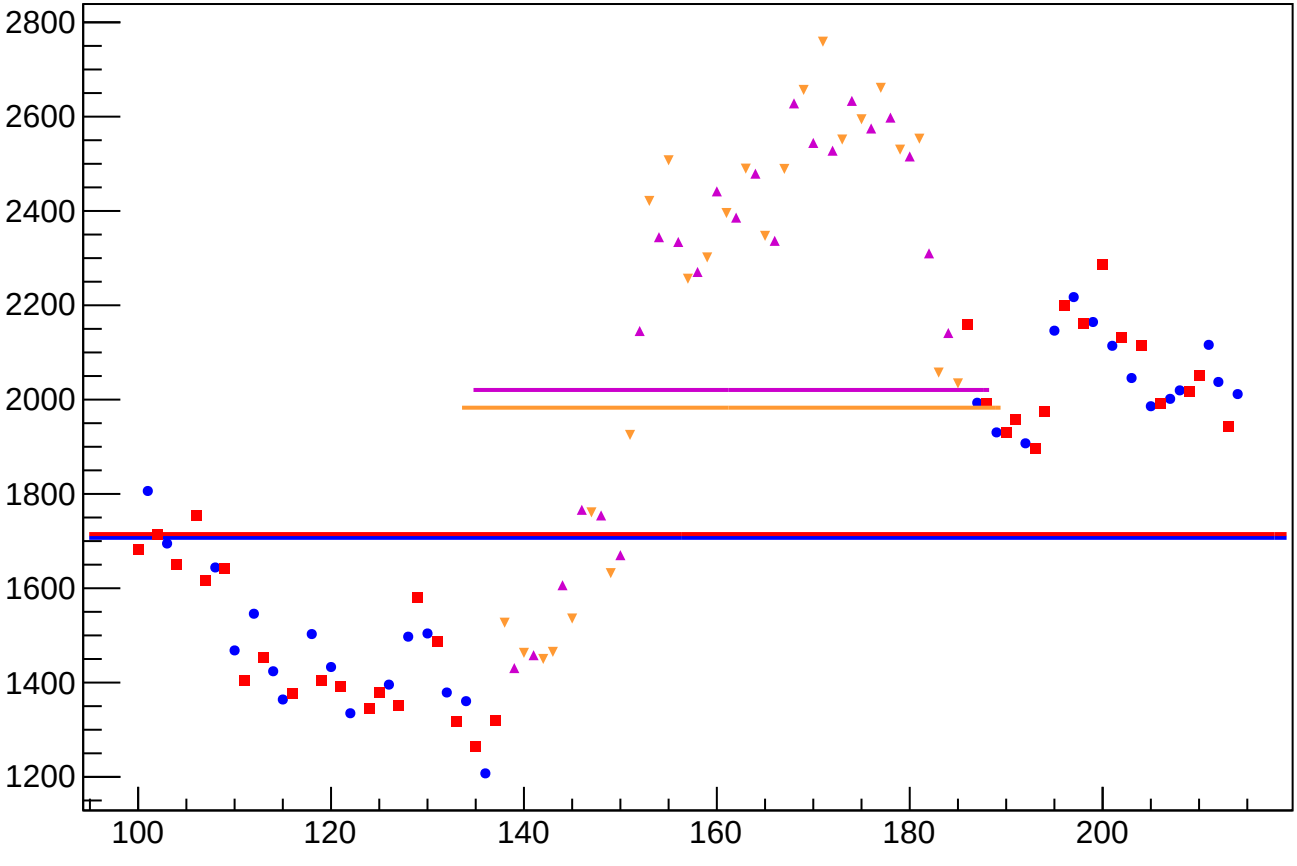
Right: 1.996+/-0.285 χ^2/NDF: 30881.7/63

In: 11.633+/-0.311 χ^2/NDF:9439.2/52

Out: -7.421+/-0.303 χ^2/NDF:22620.6/58

All: 1.847+/-0.217 χ^2/NDF: 33985.0/111

diff_bpm0l01Y_rms vs Slug, Sign Corrected



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

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

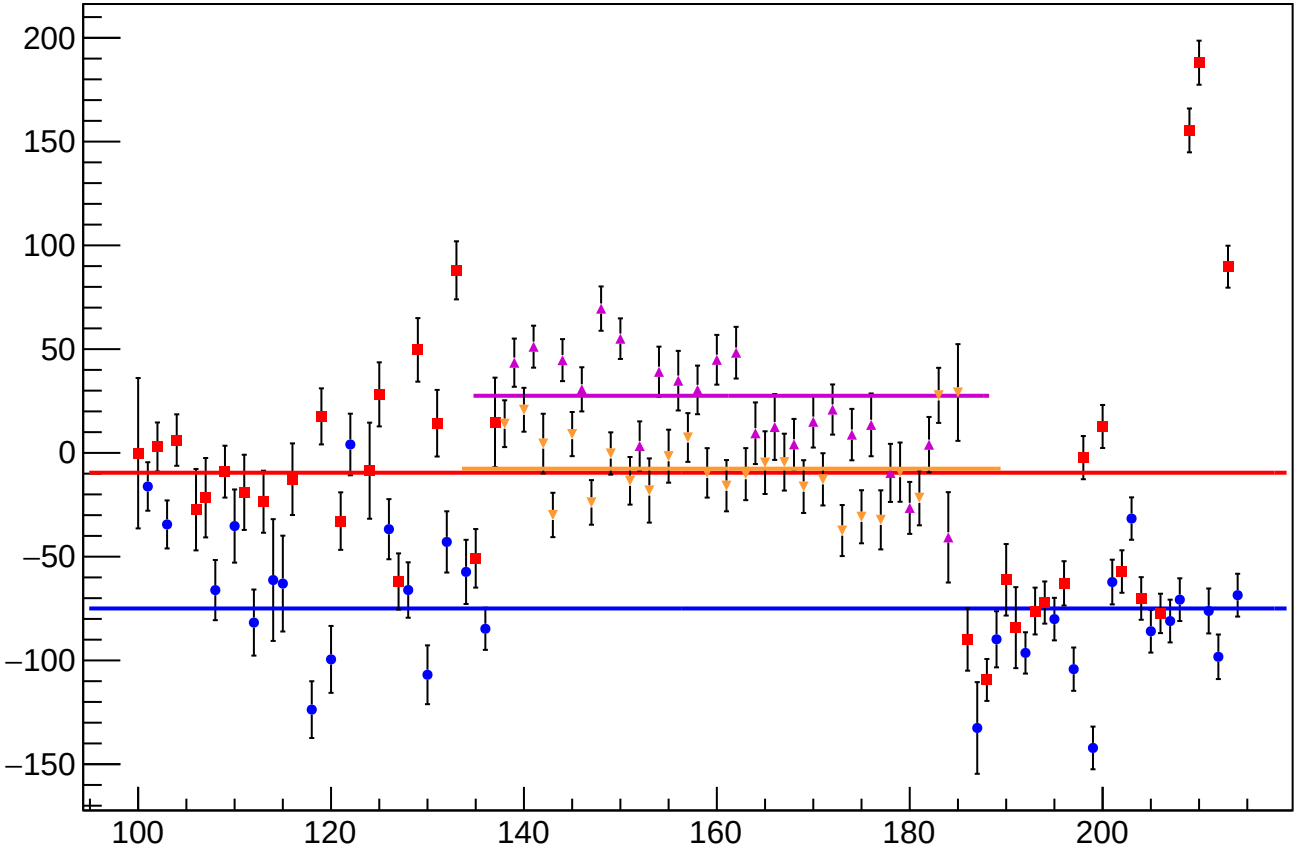
Right: 1710.996+/-0.202 χ^2/NDF: 2591104.9/63

In: 1836.686+/-0.220 χ^2/NDF:3408079.9/52

Out: 1829.365+/-0.214 χ^2/NDF:3650379.8/58

All: 1832.926+/-0.153 χ^2/NDF: 7059028.1/11

diff_bpm0l02X_mean vs Slug, Sign Corrected



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

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

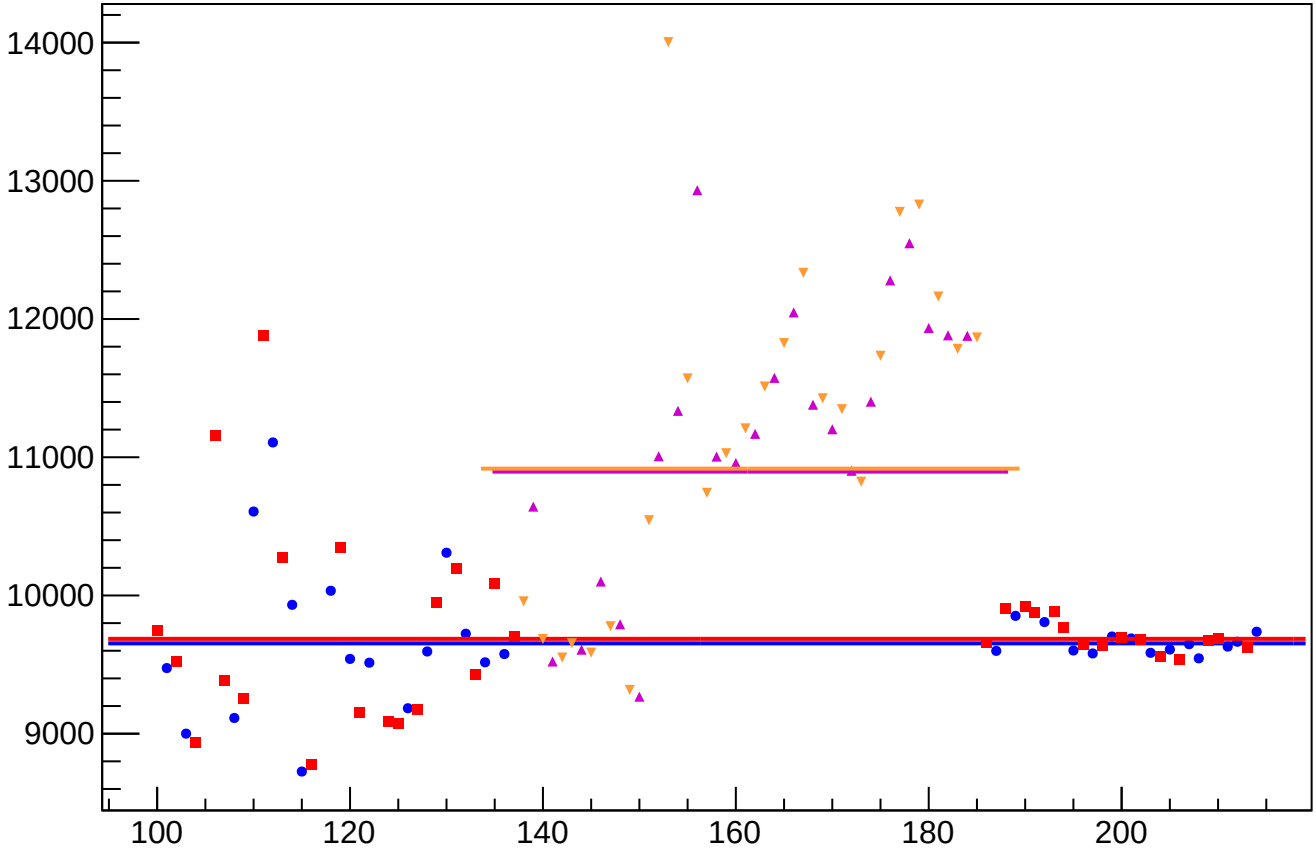
Right: -41.741+/-1.584 χ^2/NDF: 1777.8/63

In: -30.060+/-1.692 χ^2/NDF:1192.2/52

Out: -8.683+/-1.659 χ^2/NDF:1203.5/58

All: -19.163+/-1.185 χ^2/NDF: 2477.1/111

diff_bpm0l02X_rms vs Slug, Sign Corrected



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

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

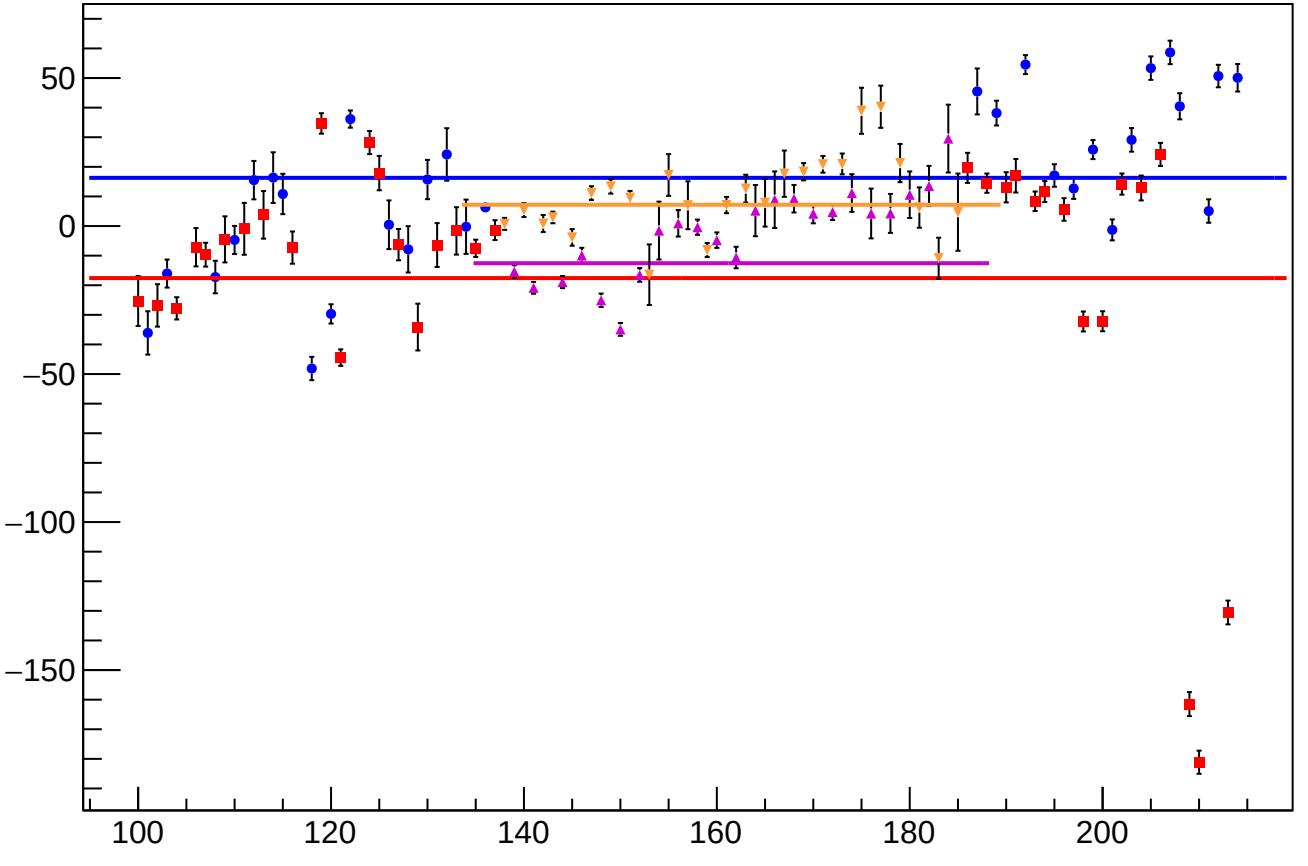
Right: 9670.048+/-1.120 χ^2/NDF: 129091.7/63

In: 10197.791+/-1.197 χ^2/NDF:609306.8/52

Out: 10230.965+/-1.173 χ^2/NDF:780681.6/58

All: 10214.701+/-0.838 χ^2/NDF: 1390380.3/1

diff_bpm0l02Y_mean vs Slug, Sign Corrected



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

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

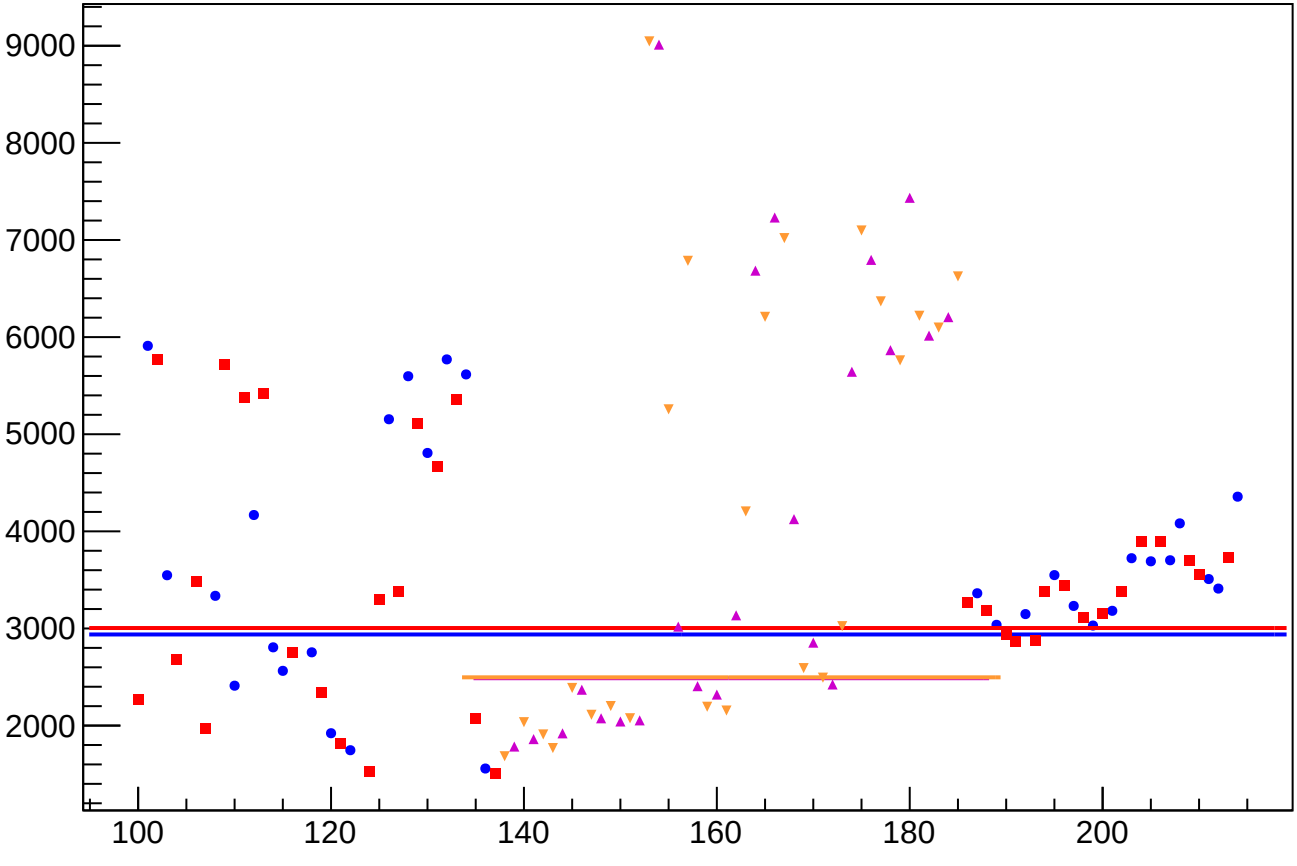
Right: -0.841+/-0.519 χ^2/NDF: 7439.9/63

In: 0.262+/-0.492 χ^2/NDF:2545.0/52

Out: -3.832+/-0.487 χ^2/NDF:5891.1/58

All: -1.807+/-0.346 χ^2/NDF: 8471.1/111

diff_bpm0l02Y_rms vs Slug, Sign Corrected



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

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

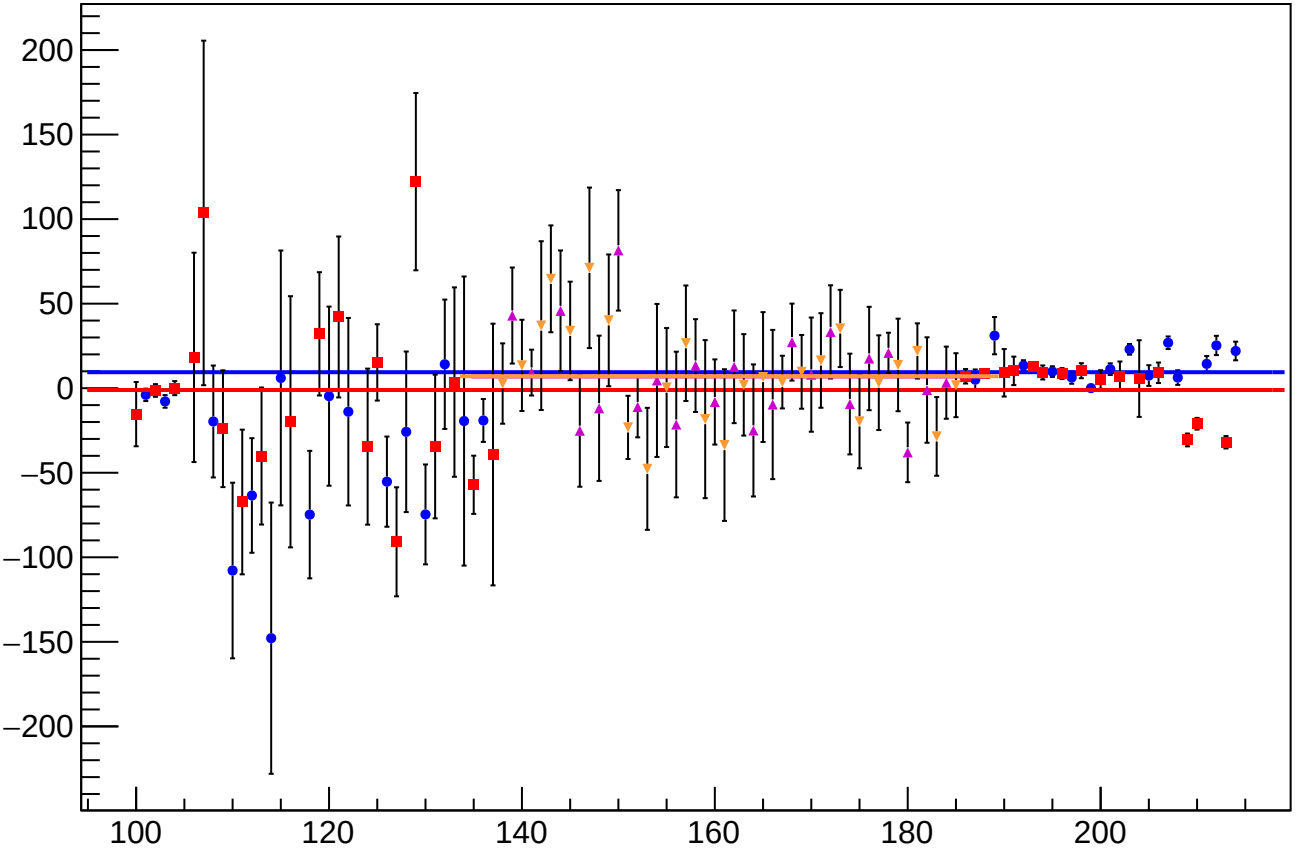
Right: 2971.722+/-0.367 χ^2/NDF: 7261234.4/63

In: 2687.914+/-0.348 χ^2/NDF:10517608.3/52

Out: 2722.625+/-0.344 χ^2/NDF:10994883.2/58

All: 2705.457+/-0.245 χ^2/NDF: 21517515.9/1

diff_bpm0l03X_mean vs Slug, Sign Corrected



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

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

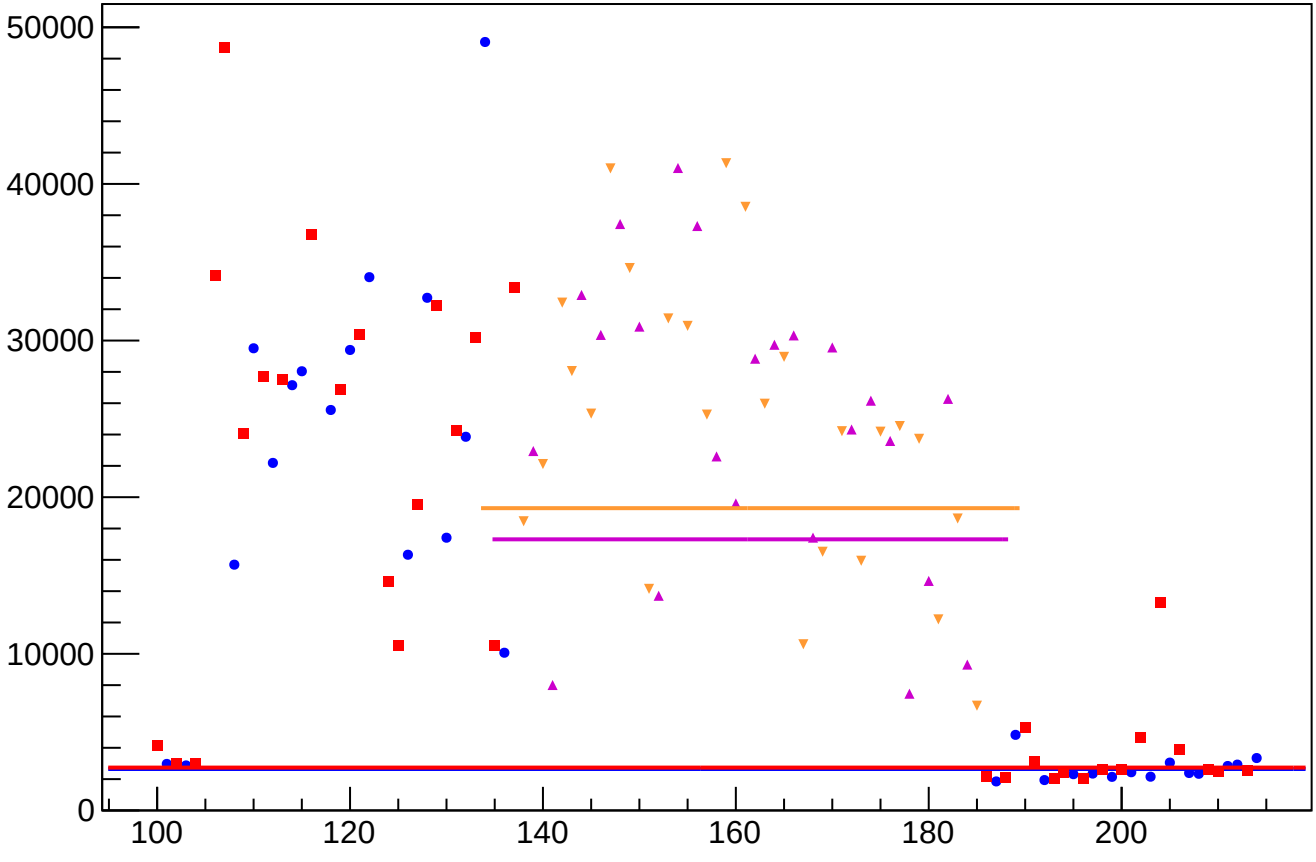
Right: 4.373+/-0.706 χ^2/NDF: 468.7/63

In: 9.373+/-0.965 χ^2/NDF:167.4/52

Out: -0.764+/-0.997 χ^2/NDF:289.1/58

All: 4.468+/-0.694 χ^2/NDF: 509.9/111

diff_bpm0l03X_rms vs Slug, Sign Corrected



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

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

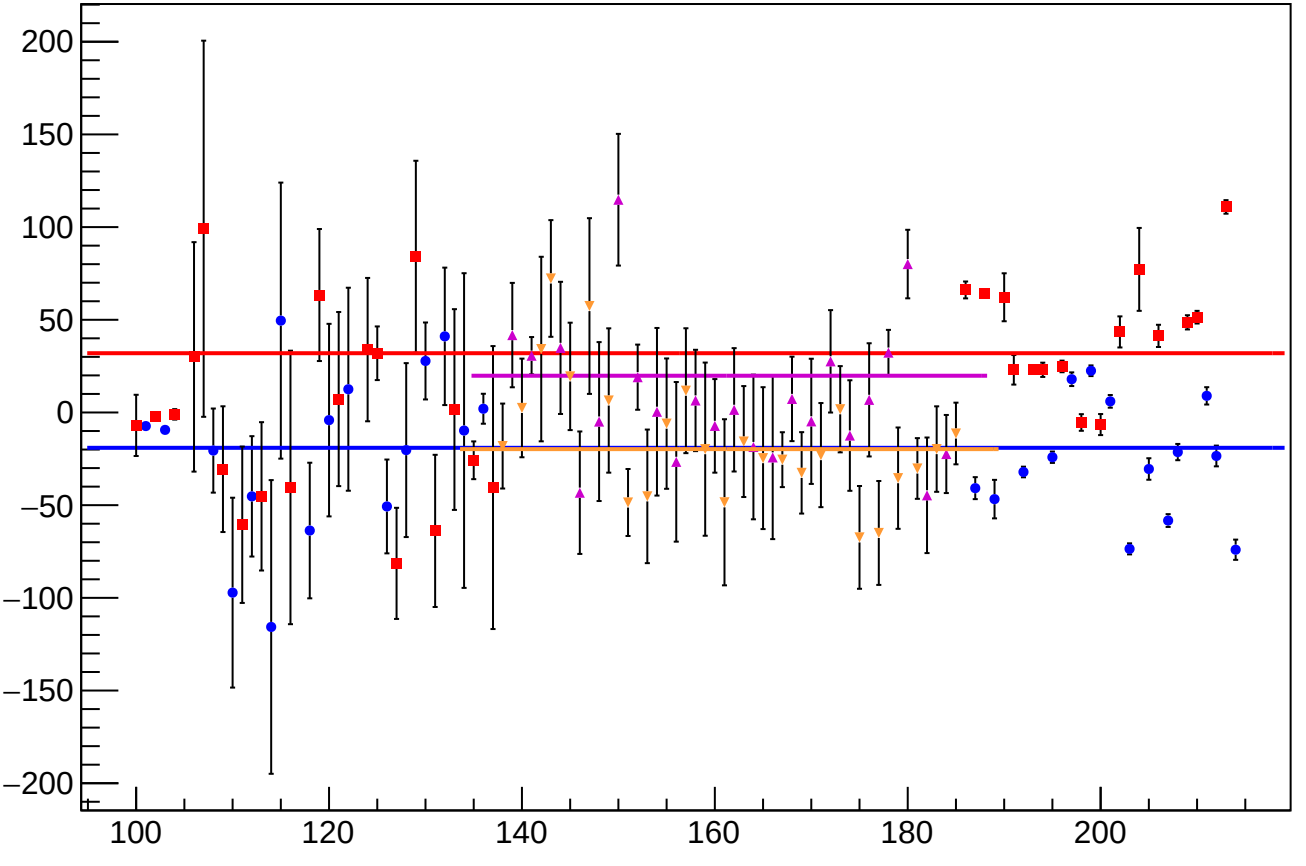
Right: 2690.730+/-0.500 χ^2/NDF: 17421308.7/63

In: 3174.958+/-0.683 χ^2/NDF:30702458.2/52

Out: 3339.159+/-0.705 χ^2/NDF:33808798.0/58

All: 3254.406+/-0.490 χ^2/NDF: 64539254.7/1

diff_bpm0l03Y_mean vs Slug, Sign Corrected



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

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

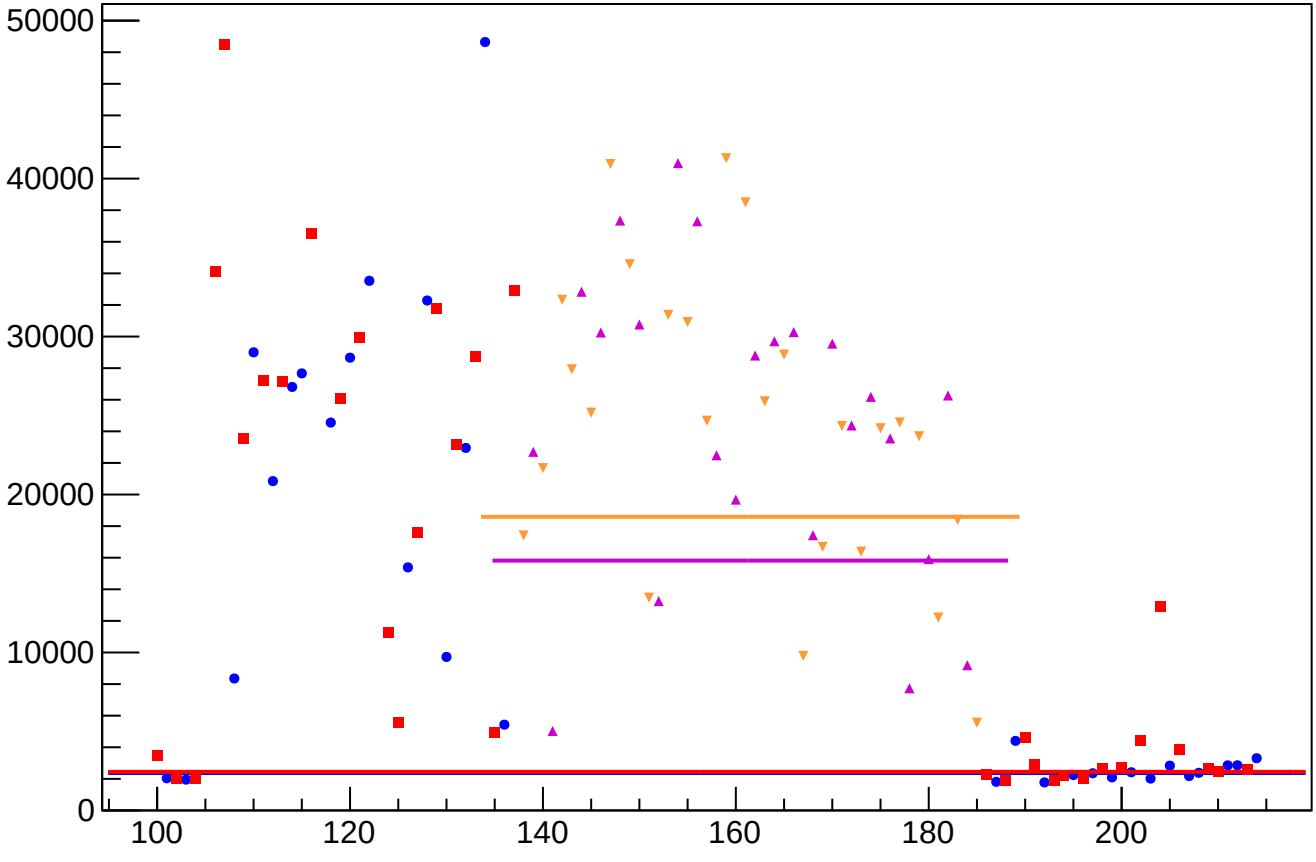
Right: 5.572+/-0.638 χ^2/NDF: 3940.9/63

In: -17.801+/-0.872 χ^2/NDF:1173.3/52

Out: 30.359+/-0.904 χ^2/NDF:1398.6/58

All: 5.430+/-0.628 χ^2/NDF: 4042.1/111

diff_bpm0l03Y_rms vs Slug, Sign Corrected



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

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

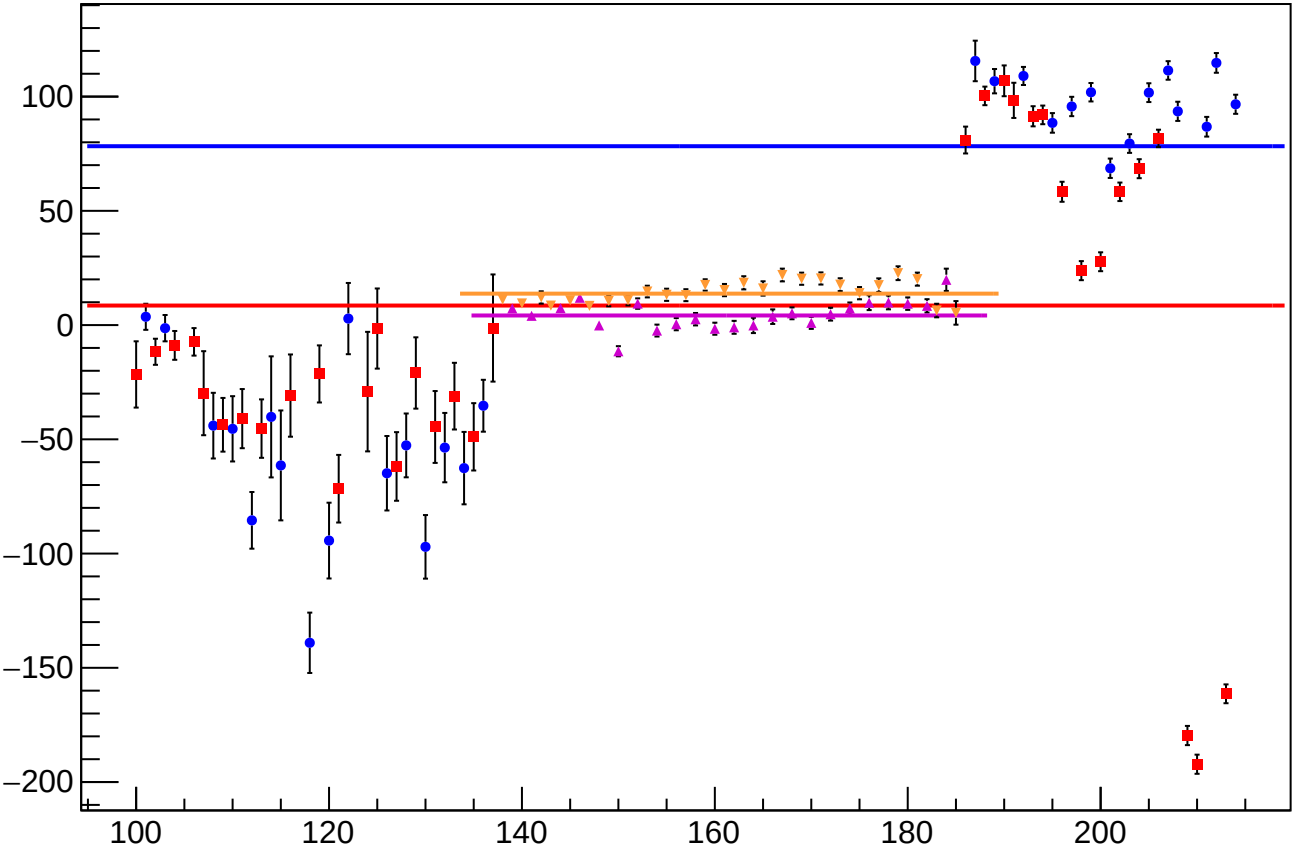
Right: 2407.101+/-0.451 χ^2/NDF: 16196081.9/63

In: 2807.102+/-0.617 χ^2/NDF:30479253.7/52

Out: 2948.974+/-0.639 χ^2/NDF:34005572.0/58

All: 2875.536+/-0.444 χ^2/NDF: 64510343.7/

diff_bpm0l04X_mean vs Slug, Sign Corrected



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

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

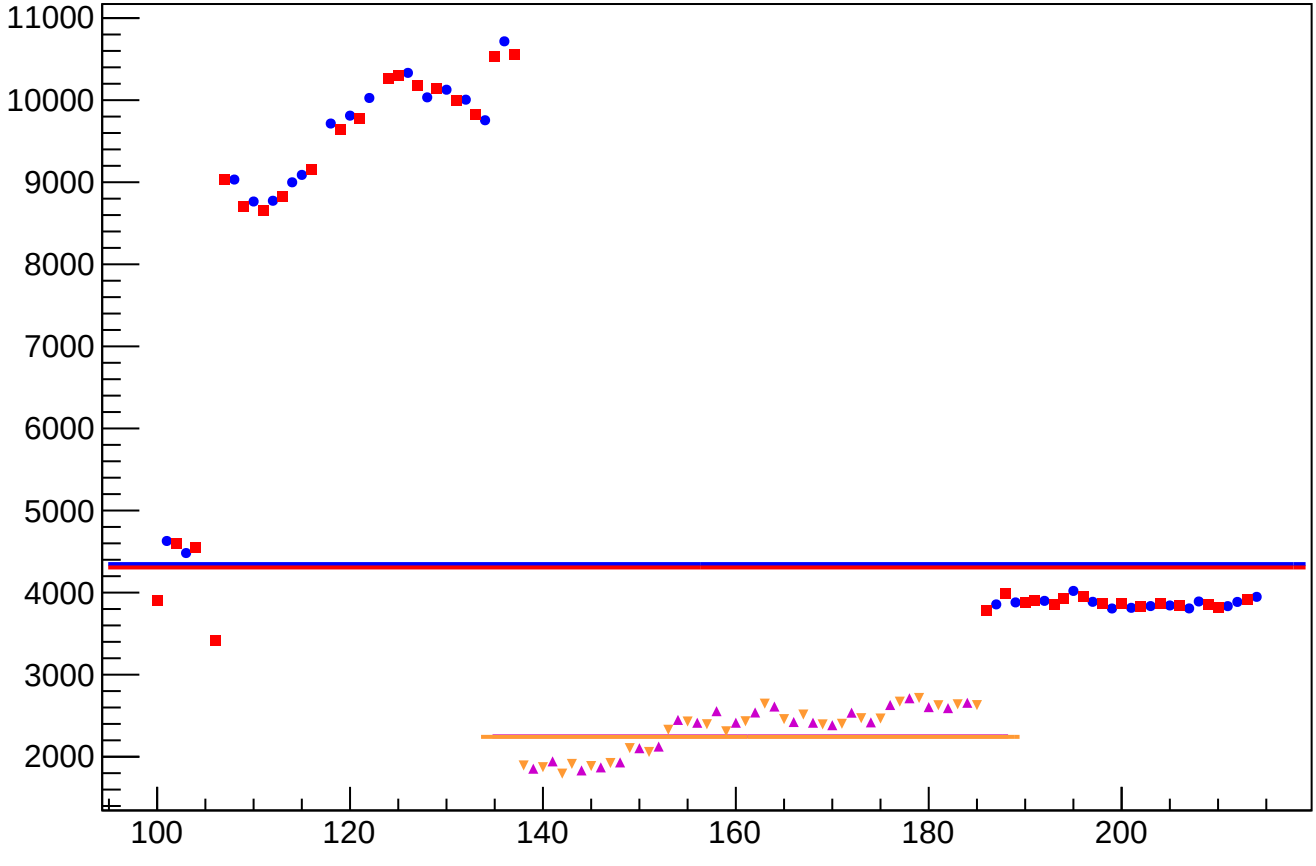
Right: 42.301+/-0.749 χ^2/NDF: 13124.3/63

In: 18.671+/-0.475 χ^2/NDF:6033.2/52

Out: 12.742+/-0.461 χ^2/NDF:8959.8/58

All: 15.614+/-0.331 χ^2/NDF: 15073.2/111

diff_bpm0l04X_rms vs Slug, Sign Corrected



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

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

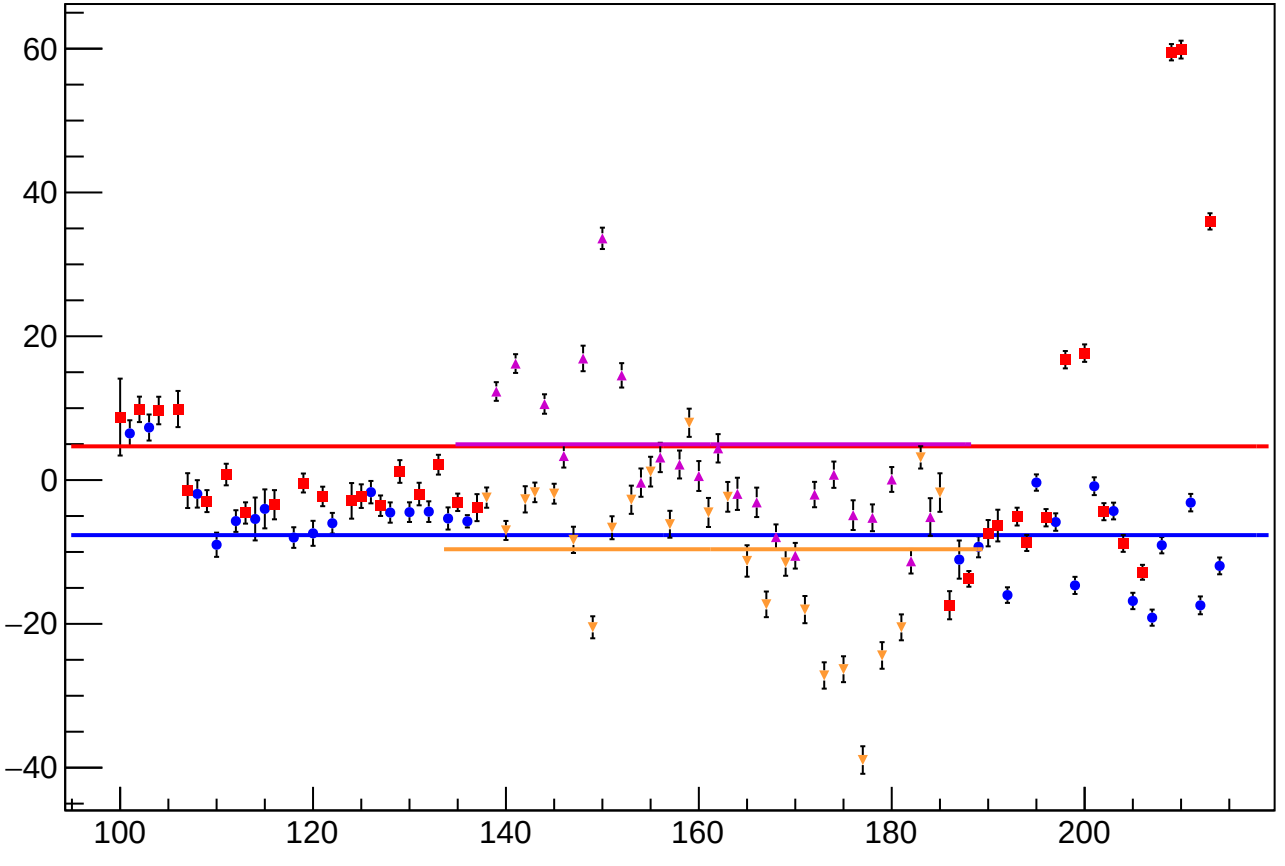
Right: 4326.169+/-0.529 χ^2/NDF: 8024687.4/63

In: 2658.469+/-0.336 χ^2/NDF:10808621.6/52

Out: 2646.296+/-0.326 χ^2/NDF:10949784.4/58

All: 2652.194+/-0.234 χ^2/NDF: 21759081.8/

diff_bpm0l04Y_mean vs Slug, Sign Corrected



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

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

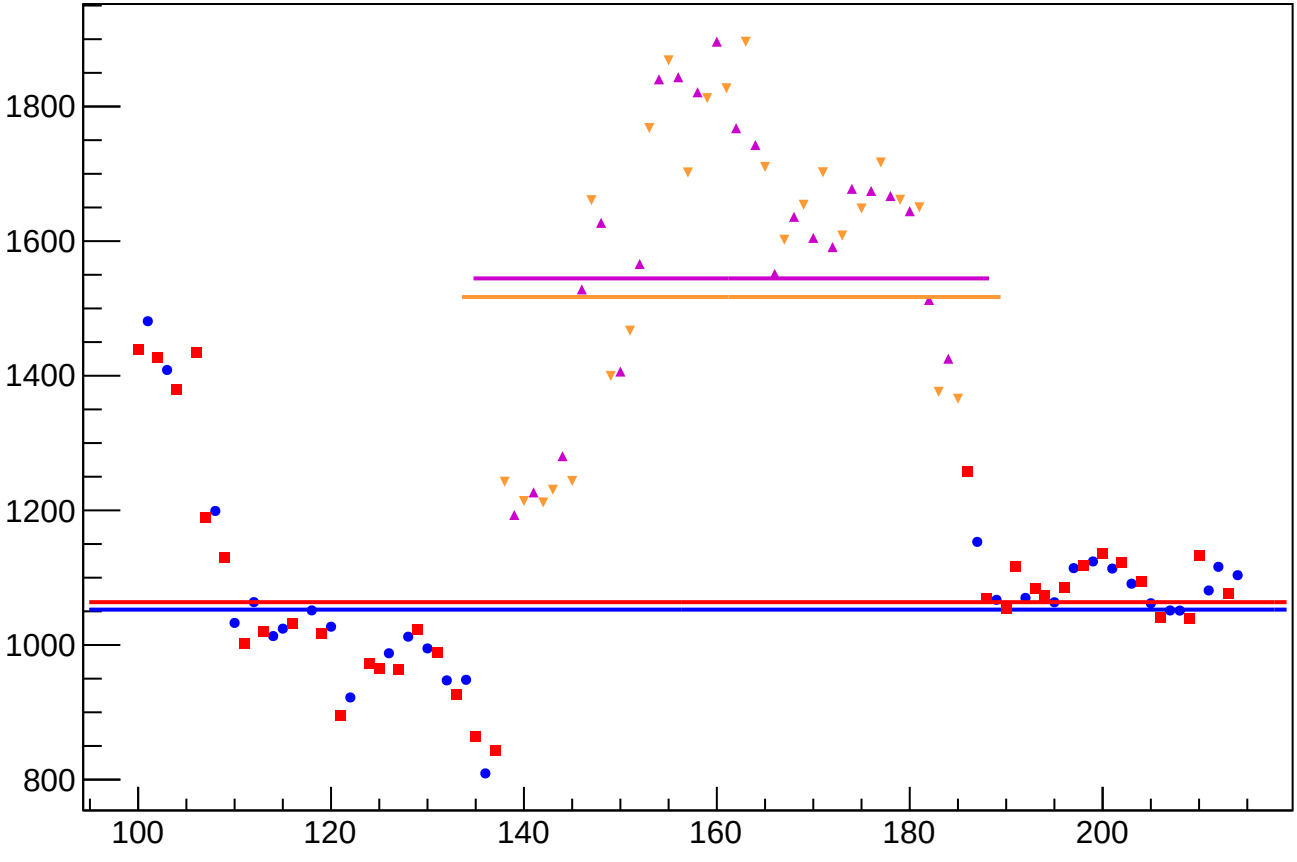
Right: -1.425+/-0.174 χ^2/NDF: 8697.4/63

In: -3.677+/-0.205 χ^2/NDF:2371.8/52

Out: -0.033+/-0.201 χ^2/NDF:8879.8/58

All: -1.818+/-0.143 χ^2/NDF: 11413.2/111

diff_bpm0l04Y_rms vs Slug, Sign Corrected



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

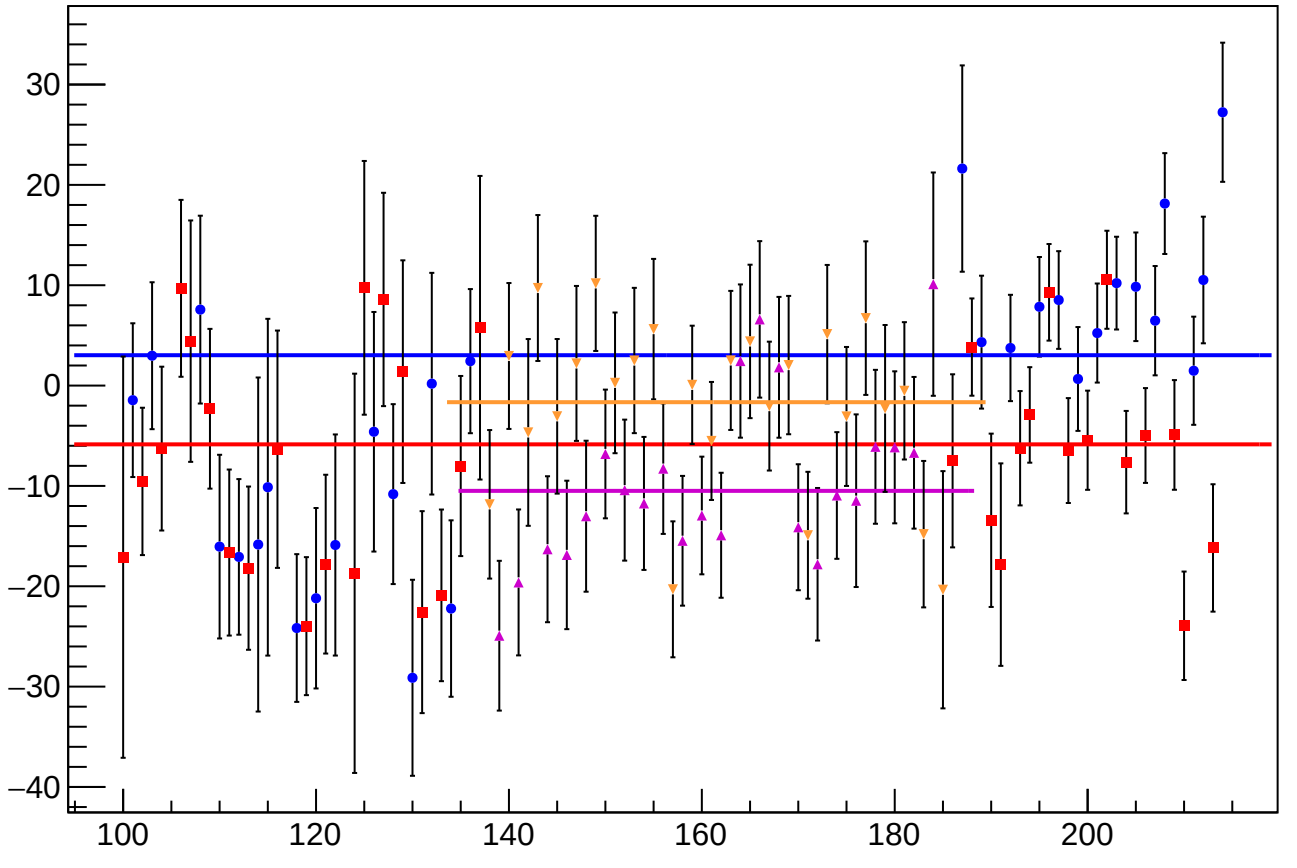
Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

Right: 1058.145+/-0.123 χ^2/NDF: 856169.5/63

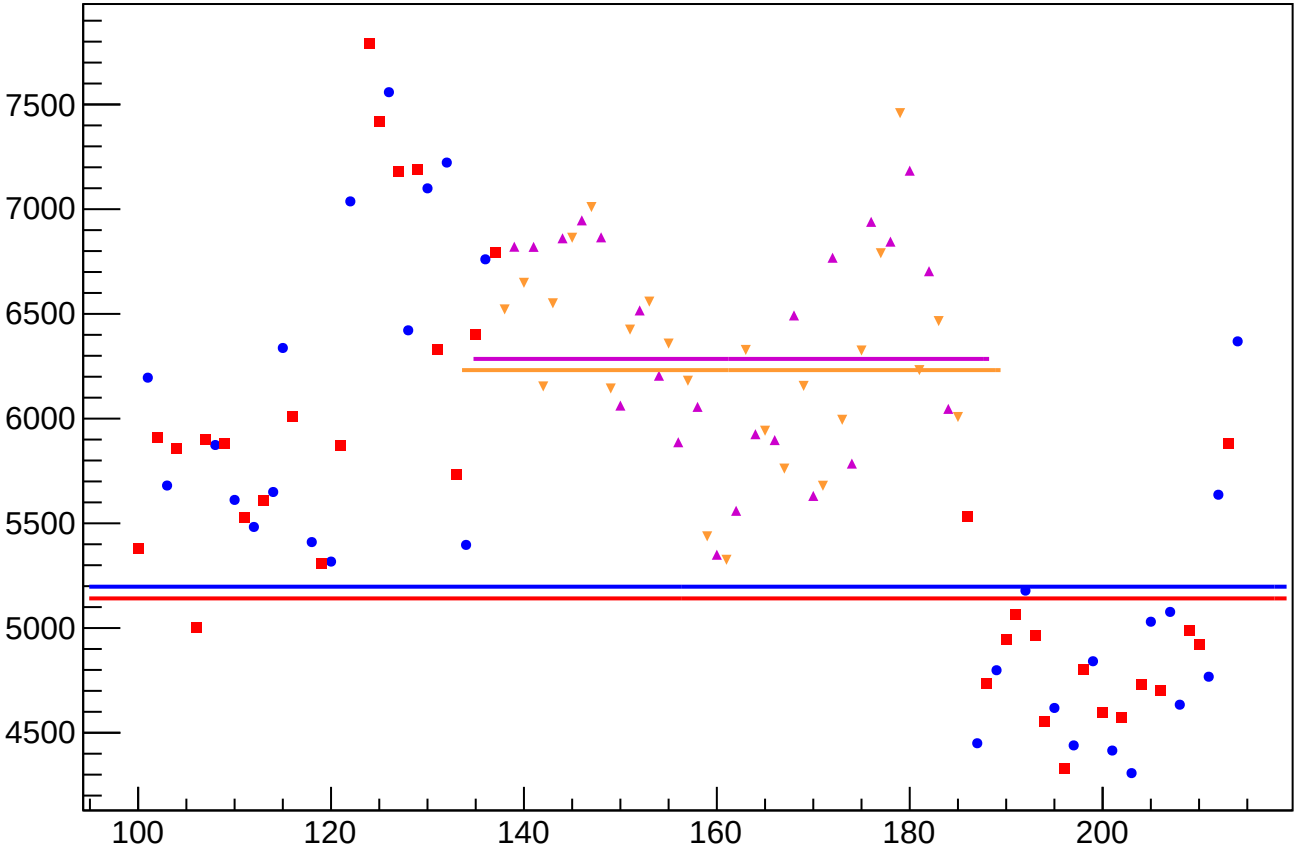
In: 1207.623+/-0.145 χ^2/NDF:3573091.9/52

Out: 1213.240+/-0.142 χ^2/NDF:3507436.4/58

All: 1210.489+/-0.101 χ^2/NDF: 7081296.8/11


diff_bpm0l05X_mean vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
100
120
140
160
180
200
Right In: 3.027+/-1.235 χ²/NDF: 92.4/29
Left Out: -1.655+/-1.426 χ²/NDF:31.5/24
Right Out: -5.857+/-1.194 χ²/NDF: 69.9/33
Left In: -10.492+/-1.480 χ²/NDF:24.9/22
Left: -5.911+/-1.027 χ²/NDF: 74.9/47
Right: -1.562+/-0.858 χ²/NDF: 189.1/63
In: -2.522+/-0.948 χ²/NDF:166.6/52
Out: -4.125+/-0.916 χ²/NDF:106.5/58
All: -3.351+/-0.659 χ²/NDF: 274.5/111

diff_bpm0l05X_rms vs Slug, Sign Corrected



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

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

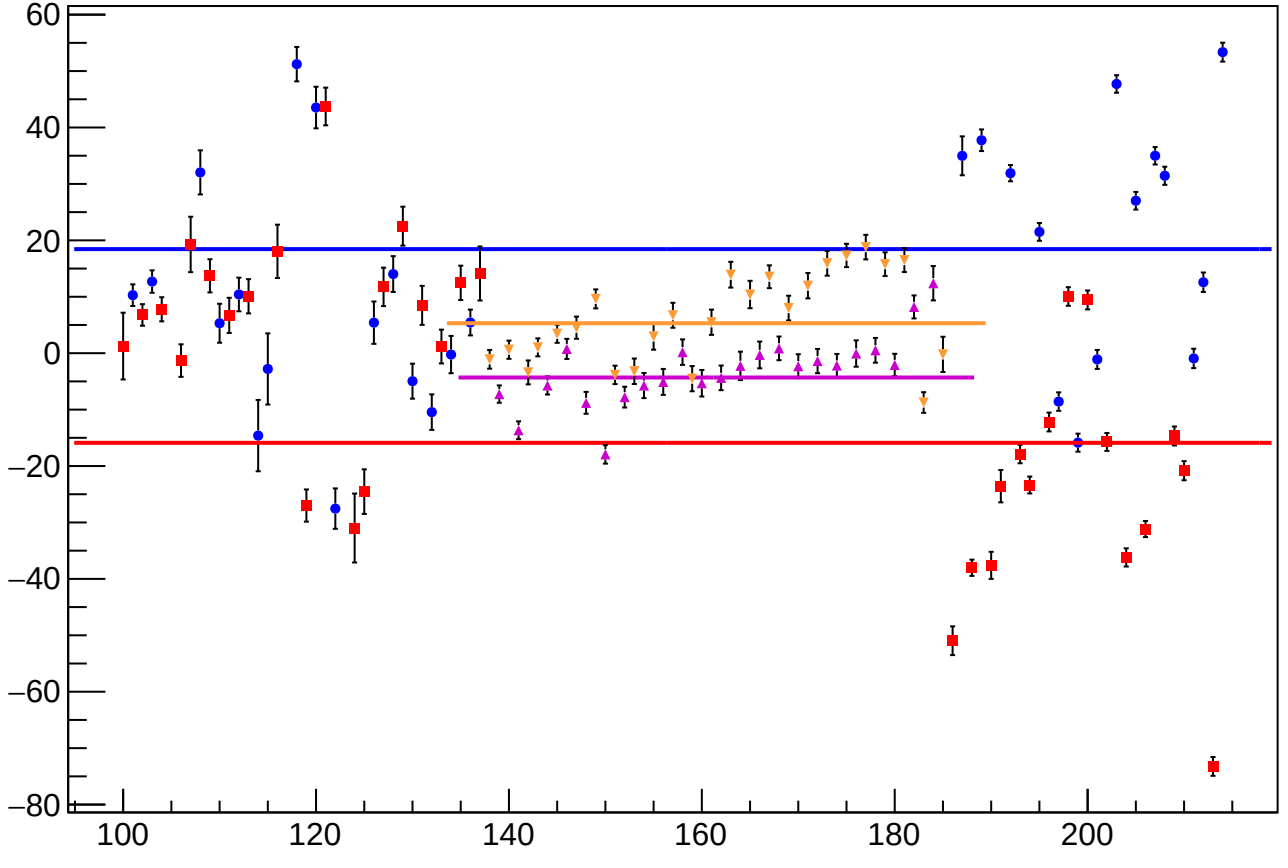
Right: 5168.552+/-0.607 χ^2/NDF: 1493751.4/63

In: 5643.837+/-0.670 χ^2/NDF:1720106.7/52

Out: 5590.853+/-0.648 χ^2/NDF:1587511.7/58

All: 5616.430+/-0.466 χ^2/NDF: 3310850.3/11

diff_bpm0l05Y_mean vs Slug, Sign Corrected



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

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

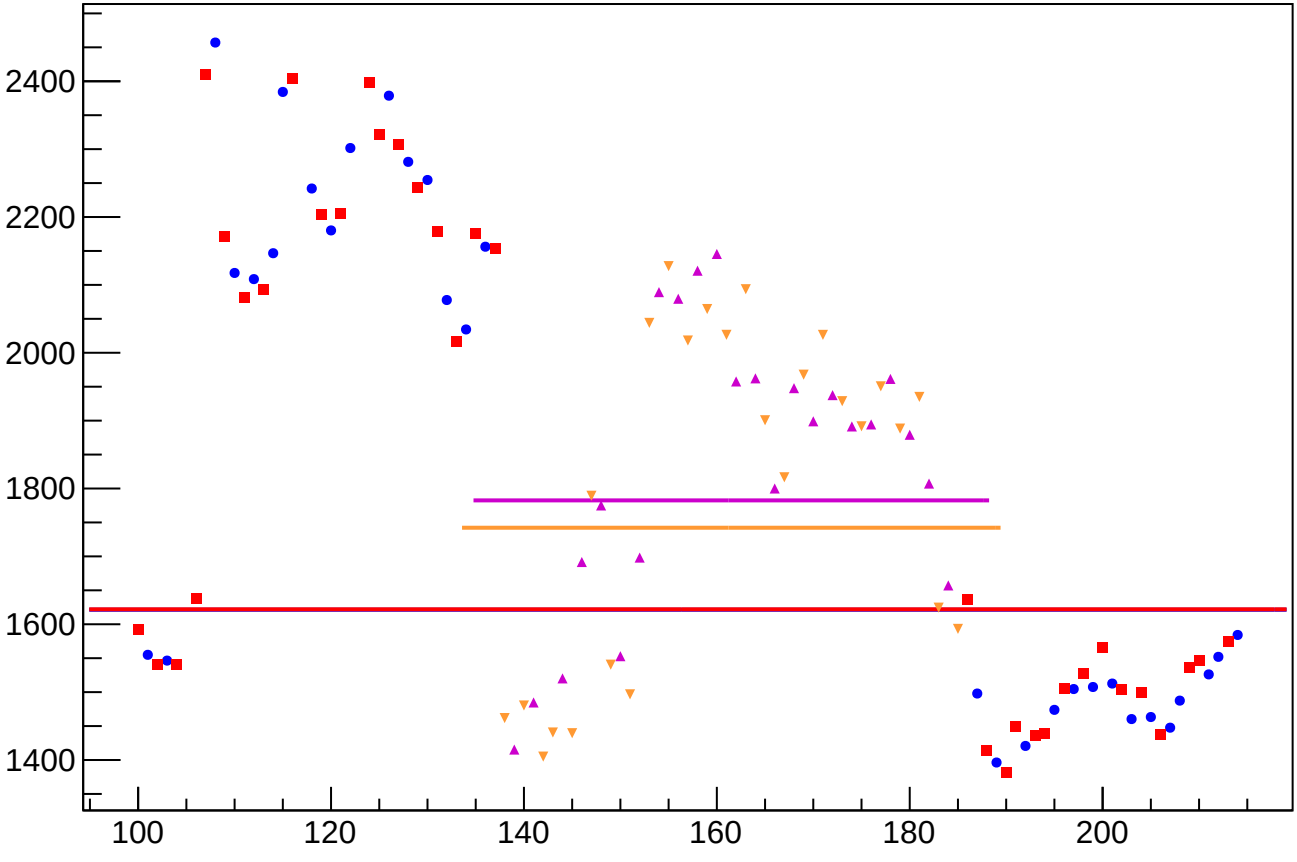
Right: 0.948+/-0.269 χ^2/NDF: 10787.9/63

In: 8.078+/-0.284 χ^2/NDF:4681.9/52

Out: -5.925+/-0.274 χ^2/NDF:5720.7/58

All: 0.848+/-0.197 χ^2/NDF: 11661.7/111

diff_bpm0l05Y_rms vs Slug, Sign Corrected



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

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

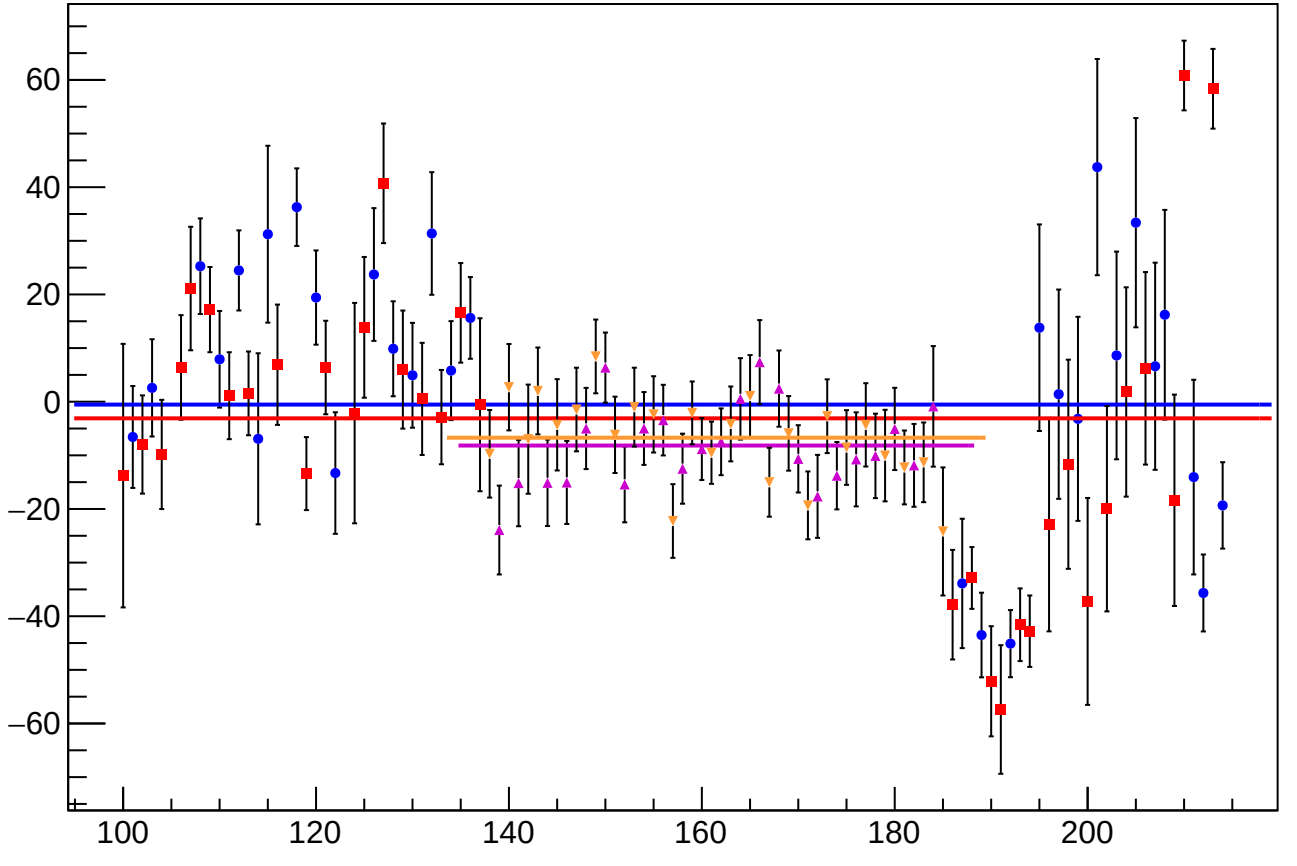
Right: 1621.708+/-0.190 χ^2/NDF: 2122583.9/63

In: 1694.793+/-0.200 χ^2/NDF:1770768.5/52

Out: 1678.498+/-0.194 χ^2/NDF:1909575.0/58

All: 1686.380+/-0.139 χ^2/NDF: 3683753.9/11

diff_bpm0l06X_mean vs Slug, Sign Corrected



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

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

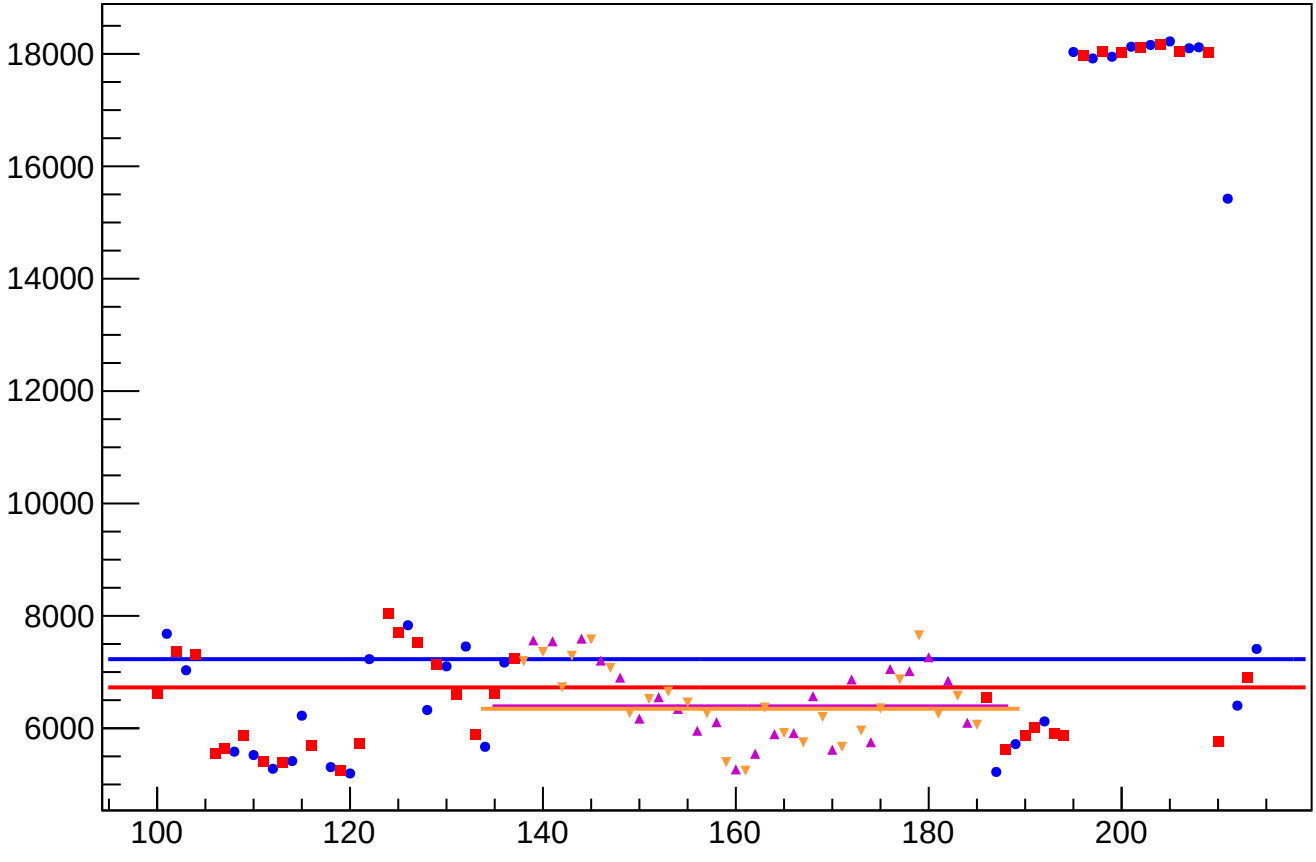
Right: -1.952+/-1.248 χ^2/NDF: 564.7/63

In: -5.149+/-1.174 χ^2/NDF:237.3/52

Out: -5.160+/-1.101 χ^2/NDF:389.0/58

All: -5.155+/-0.803 χ^2/NDF: 626.3/111

diff_bpm0l06X_rms vs Slug, Sign Corrected



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

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

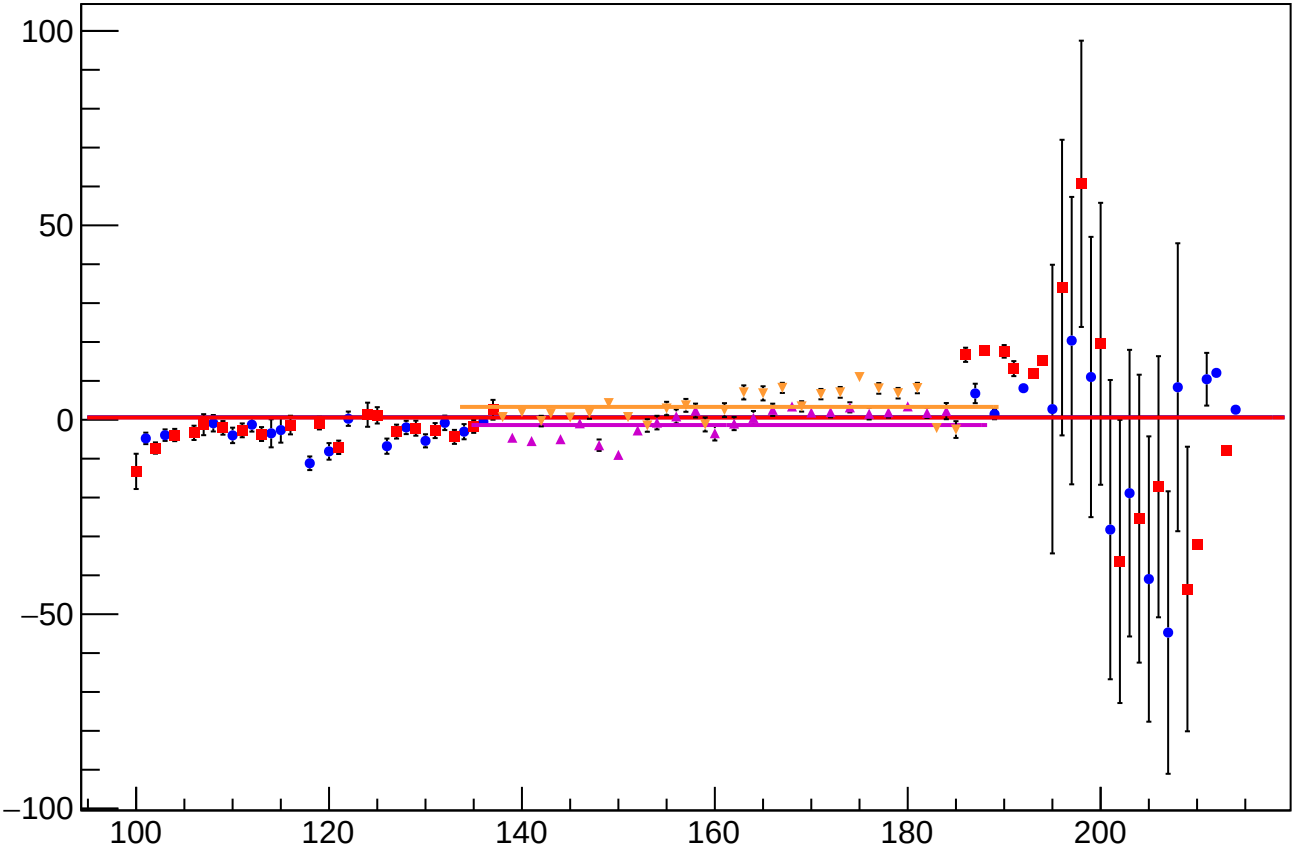
Right: 6952.230+/-0.883 χ^2/NDF: 11763164.8/63

In: 6722.033+/-0.830 χ^2/NDF:6913726.2/52

Out: 6510.628+/-0.778 χ^2/NDF:5878713.1/58

All: 6609.570+/-0.568 χ^2/NDF: 12826959.6/1

diff_bpm0l06Y_mean vs Slug, Sign Corrected



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

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

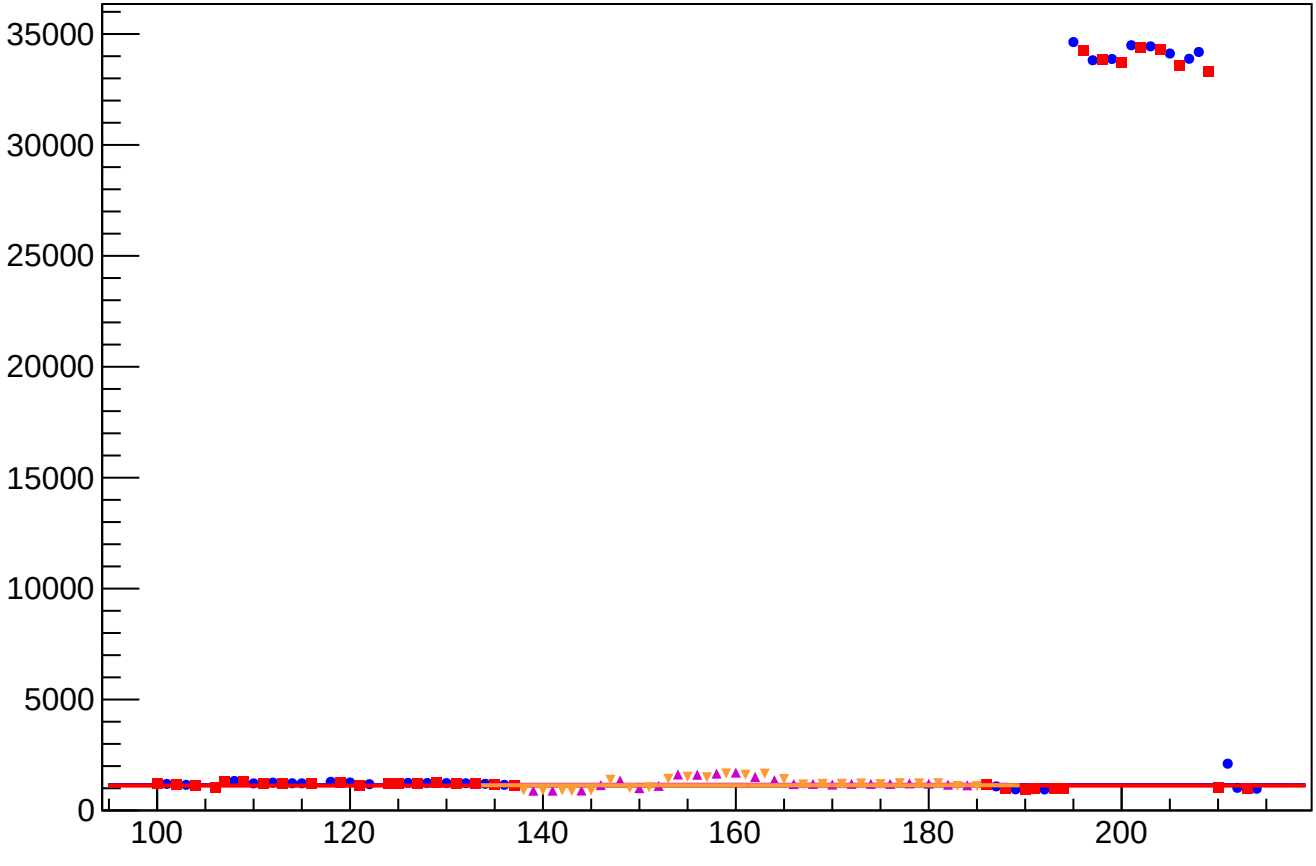
Right: 0.611+/-0.232 χ^2/NDF: 1972.3/63

In: -0.569+/-0.216 χ^2/NDF:525.3/52

Out: 2.176+/-0.202 χ^2/NDF:1886.0/58

All: 0.892+/-0.147 χ^2/NDF: 2497.6/111

diff_bpm0l06Y_rms vs Slug, Sign Corrected



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

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

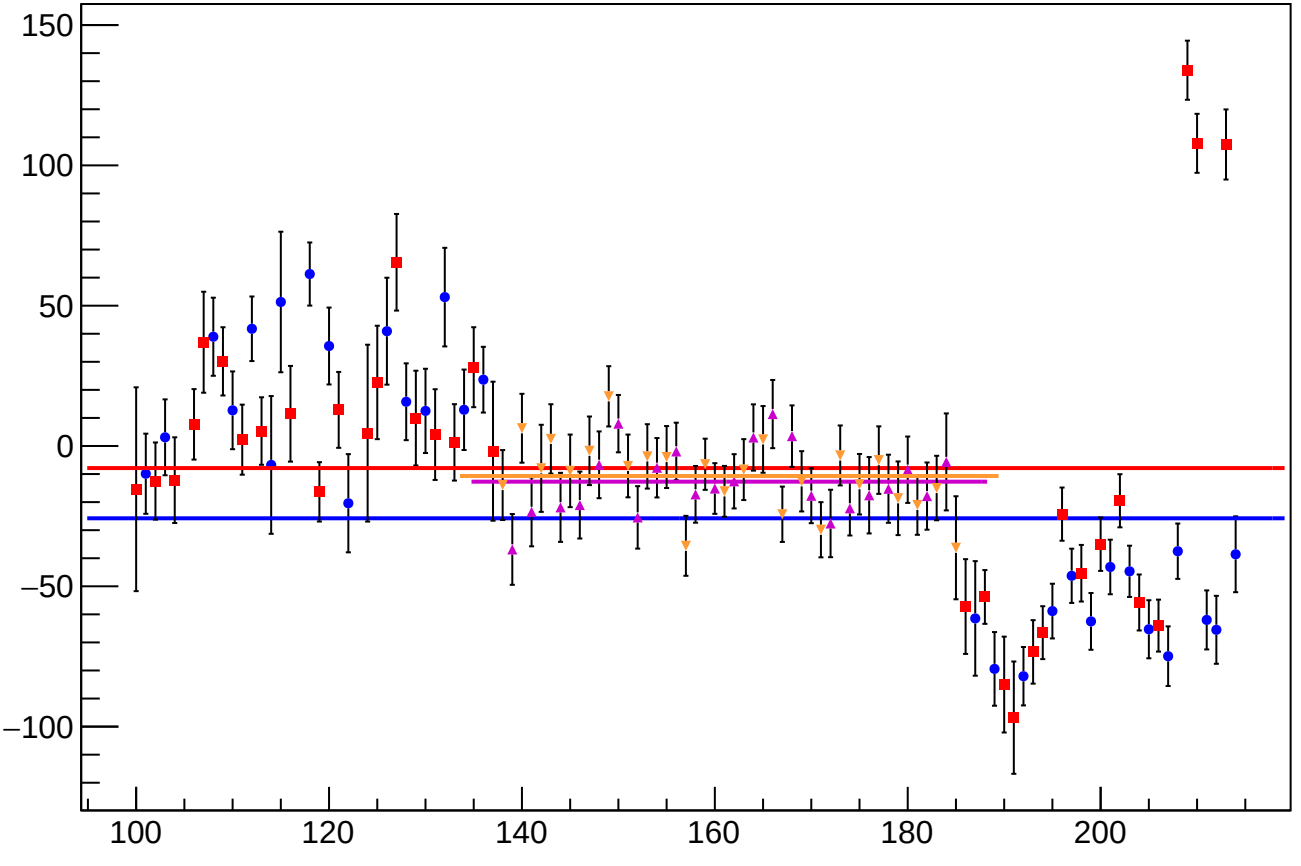
Right: 1131.455+/-0.164 χ^2/NDF: 24800466.1/63

In: 1152.861+/-0.152 χ^2/NDF:14386875.8/52

Out: 1130.903+/-0.143 χ^2/NDF:13144721.7/58

All: 1141.176+/-0.104 χ^2/NDF: 27542635.4/1

diff_bpm0l07X_mean vs Slug, Sign Corrected



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

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

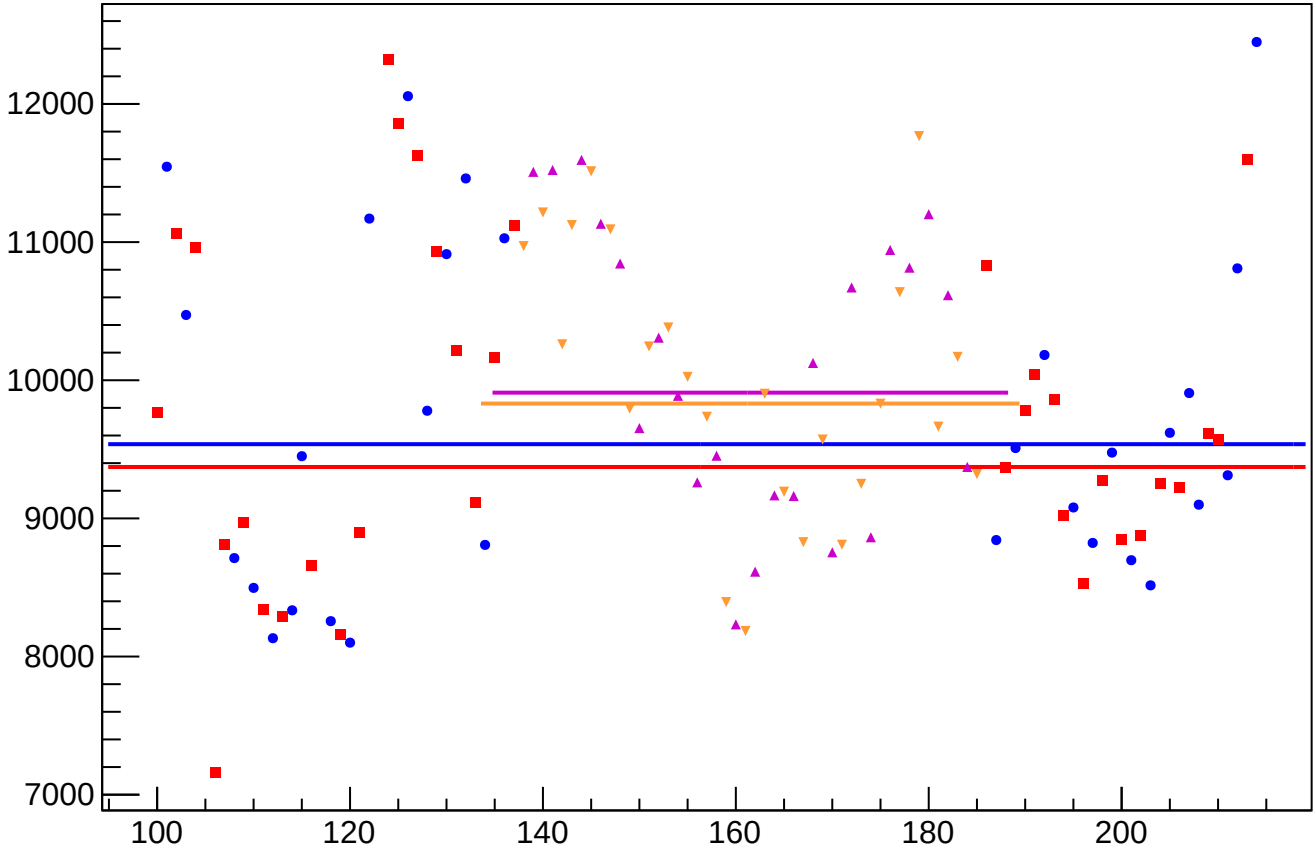
Right: -16.472+/-1.563 χ^2/NDF: 1083.2/63

In: -19.489+/-1.624 χ^2/NDF:419.6/52

Out: -9.226+/-1.564 χ^2/NDF:700.5/58

All: -14.165+/-1.126 χ^2/NDF: 1140.9/111

diff_bpm0l07X_rms vs Slug, Sign Corrected



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

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

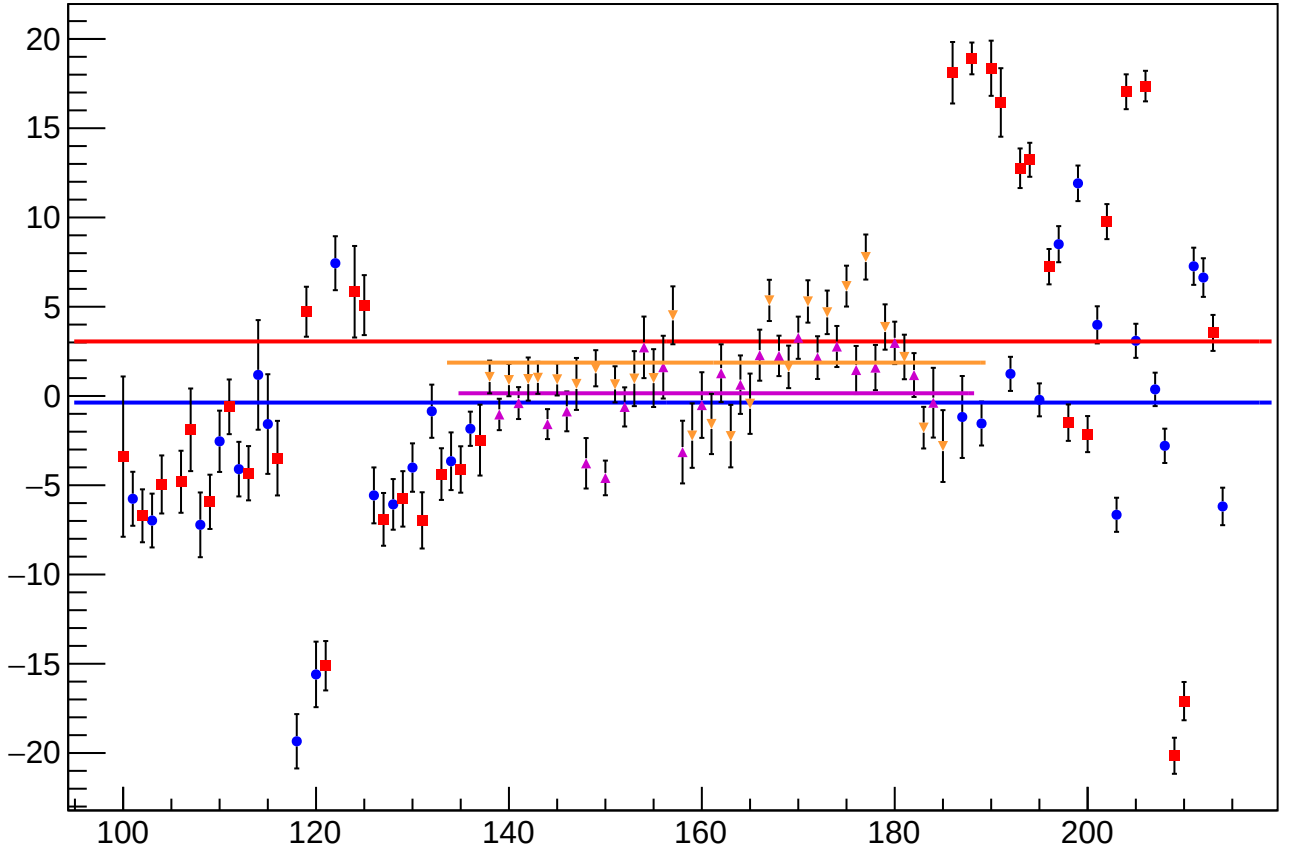
Right: 9451.546+/-1.105 χ^2/NDF: 894720.0/63

In: 9716.761+/-1.148 χ^2/NDF:884762.8/52

Out: 9592.564+/-1.106 χ^2/NDF:819252.6/58

All: 9652.330+/-0.796 χ^2/NDF: 1710085.6/11

diff_bpm0l07Y_mean vs Slug, Sign Corrected



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

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

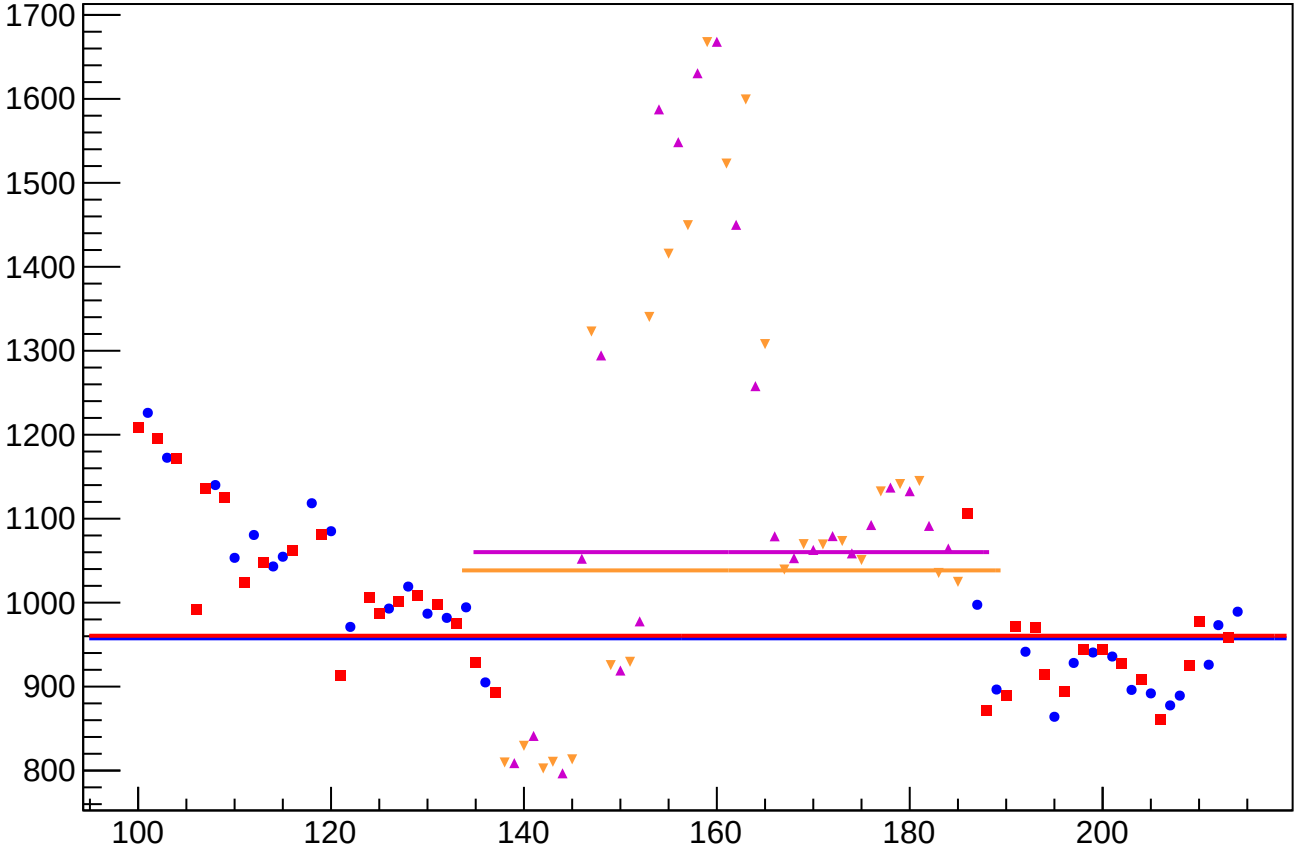
Right: 1.371+/-0.157 χ^2/NDF: 3640.9/63

In: -0.141+/-0.168 χ^2/NDF:864.3/52

Out: 2.518+/-0.163 χ^2/NDF:2852.6/58

All: 1.229+/-0.117 χ^2/NDF: 3845.4/111

diff_bpm0l07Y_rms vs Slug, Sign Corrected



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

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

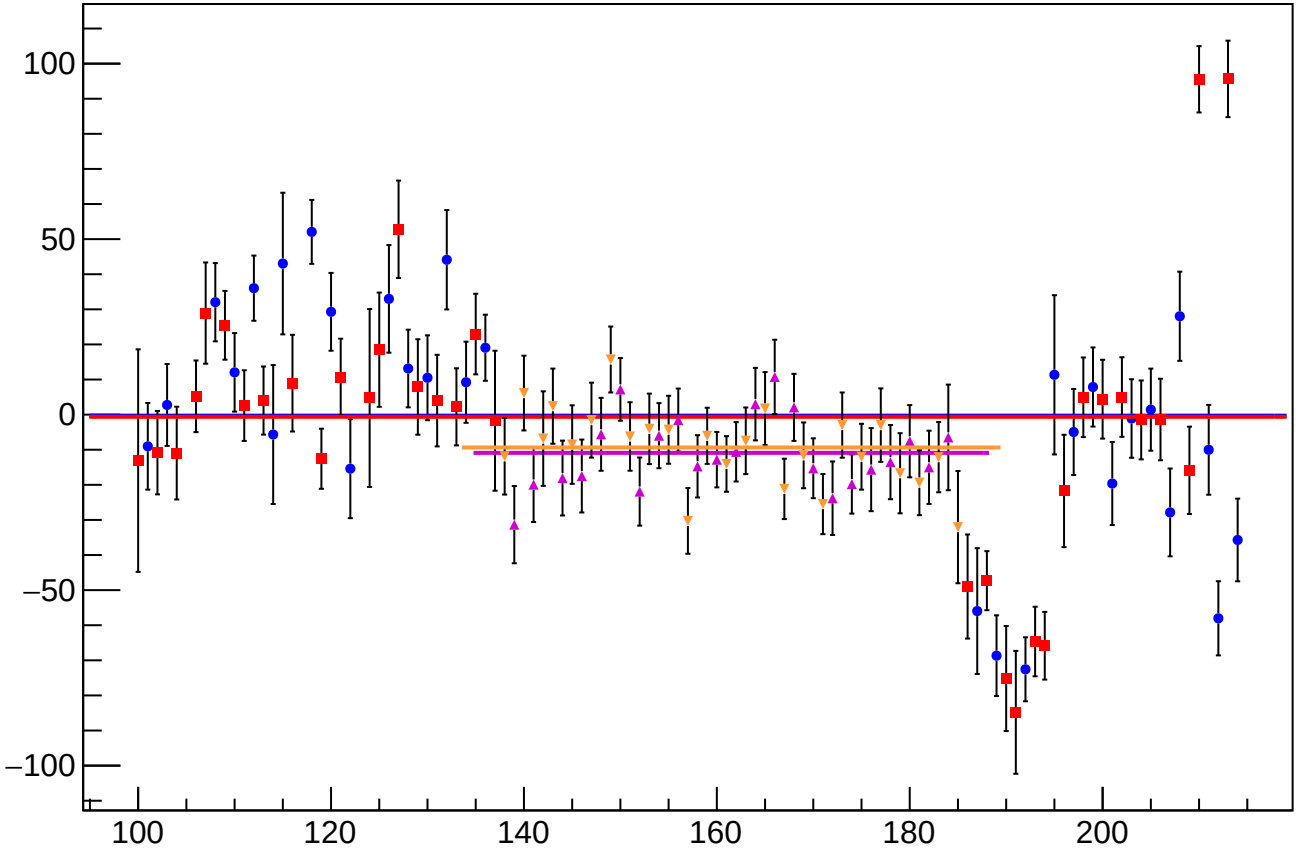
Right: 959.056+/-0.111 χ^2/NDF: 527858.9/63

In: 1002.416+/-0.119 χ^2/NDF:1975222.7/52

Out: 995.825+/-0.115 χ^2/NDF:2078026.6/58

All: 999.021+/-0.083 χ^2/NDF: 4054828.7/111

diff_bpm0l08X_mean vs Slug, Sign Corrected



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

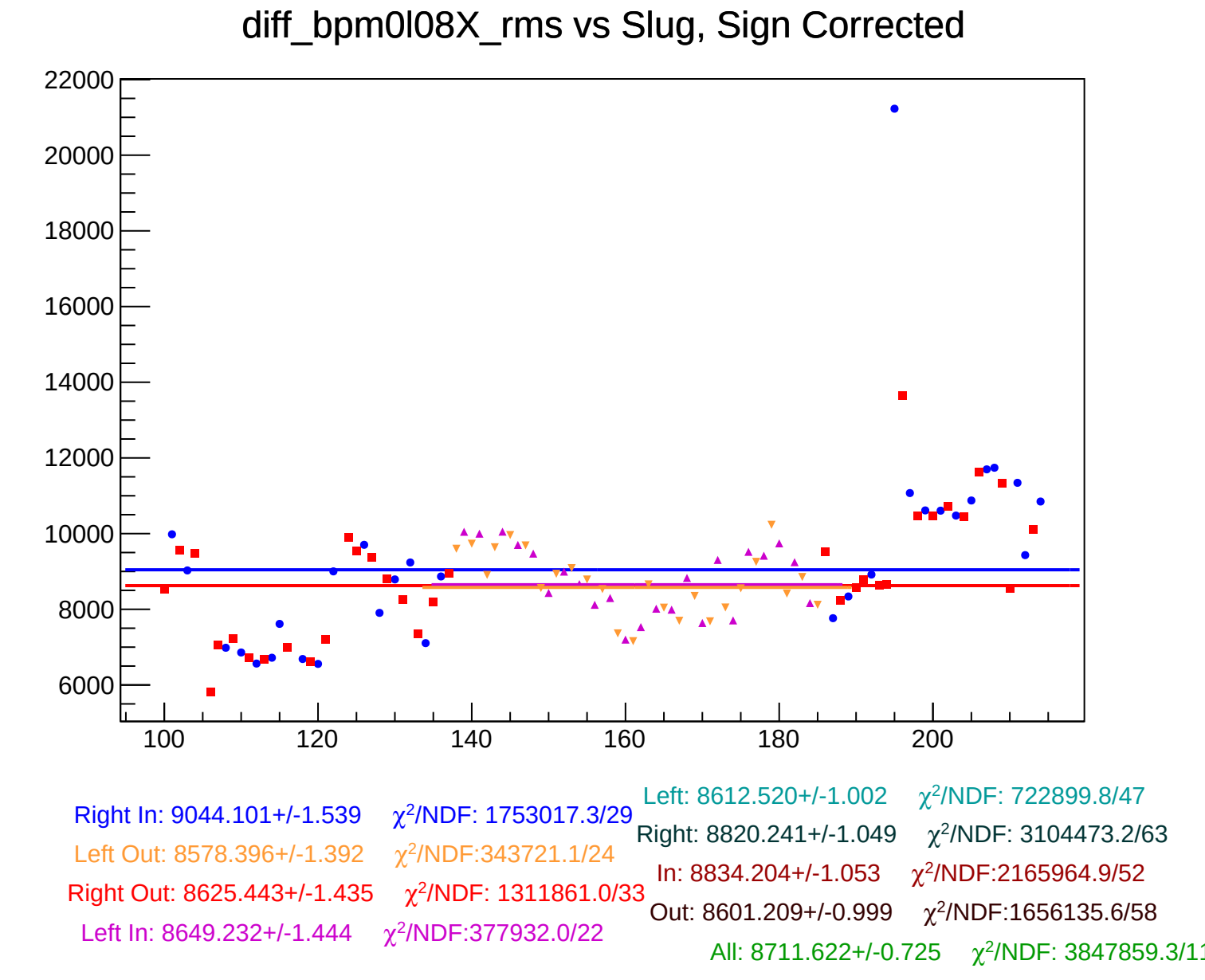
Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

Right: -0.466+/-1.484 χ^2/NDF: 654.5/63

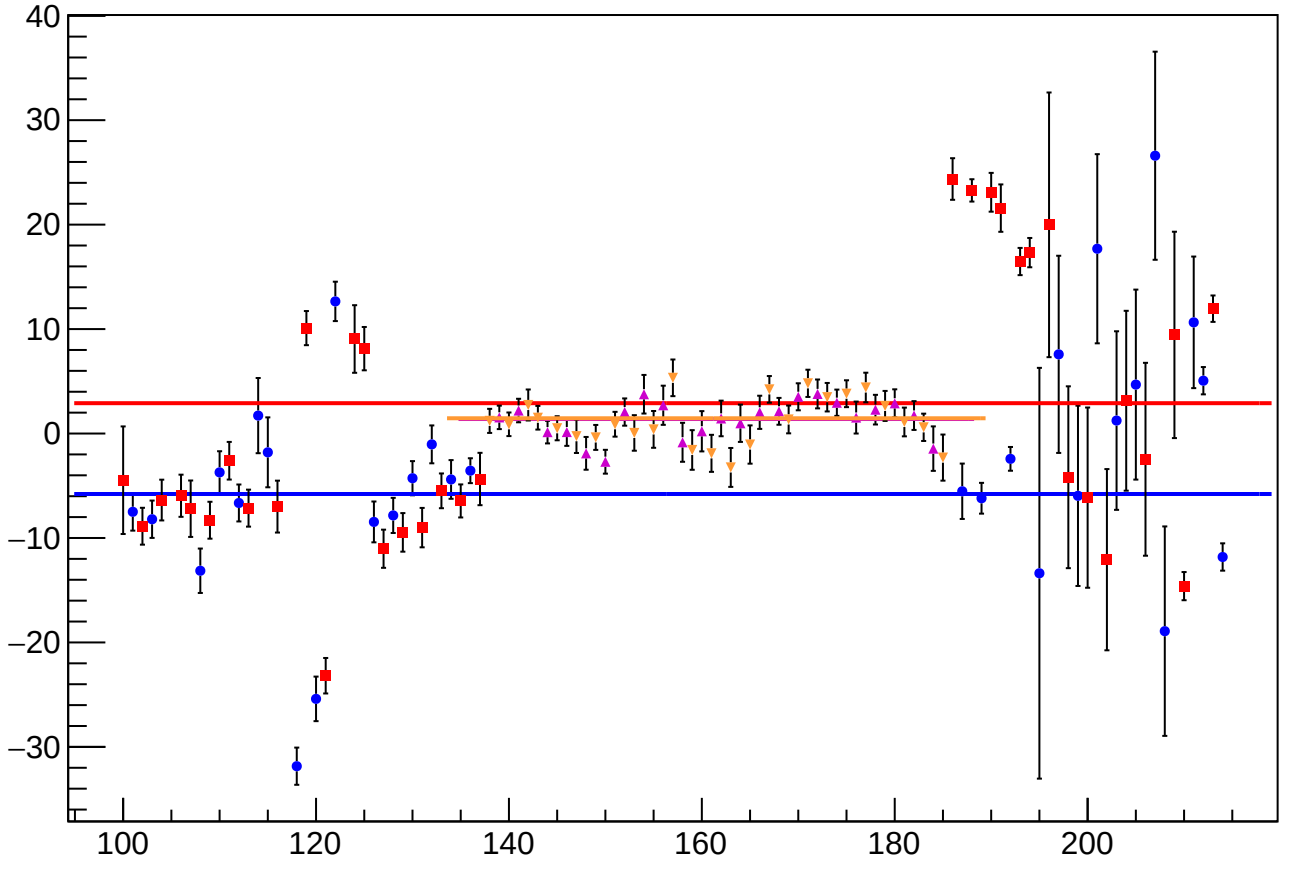
In: -5.926+/-1.489 χ^2/NDF:290.2/52

Out: -5.119+/-1.413 χ^2/NDF:438.5/58

All: -5.501+/-1.025 χ^2/NDF: 728.9/111


diff_bpm0l08X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9044.101+/-1.539 χ²/NDF: 1753017.3/29
Left Out: 8578.396+/-1.392 χ²/NDF:343721.1/24
Right Out: 8625.443+/-1.435 χ²/NDF: 1311861.0/33
Left In: 8649.232+/-1.444 χ²/NDF:377932.0/22
Left: 8612.520+/-1.002 χ²/NDF: 722899.8/47
Right: 8820.241+/-1.049 χ²/NDF: 3104473.2/63
In: 8834.204+/-1.053 χ²/NDF:2165964.9/52
Out: 8601.209+/-0.999 χ²/NDF:1656135.6/58
All: 8711.622+/-0.725 χ²/NDF: 3847859.3/11

diff_bpm0l08Y_mean vs Slug, Sign Corrected



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

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

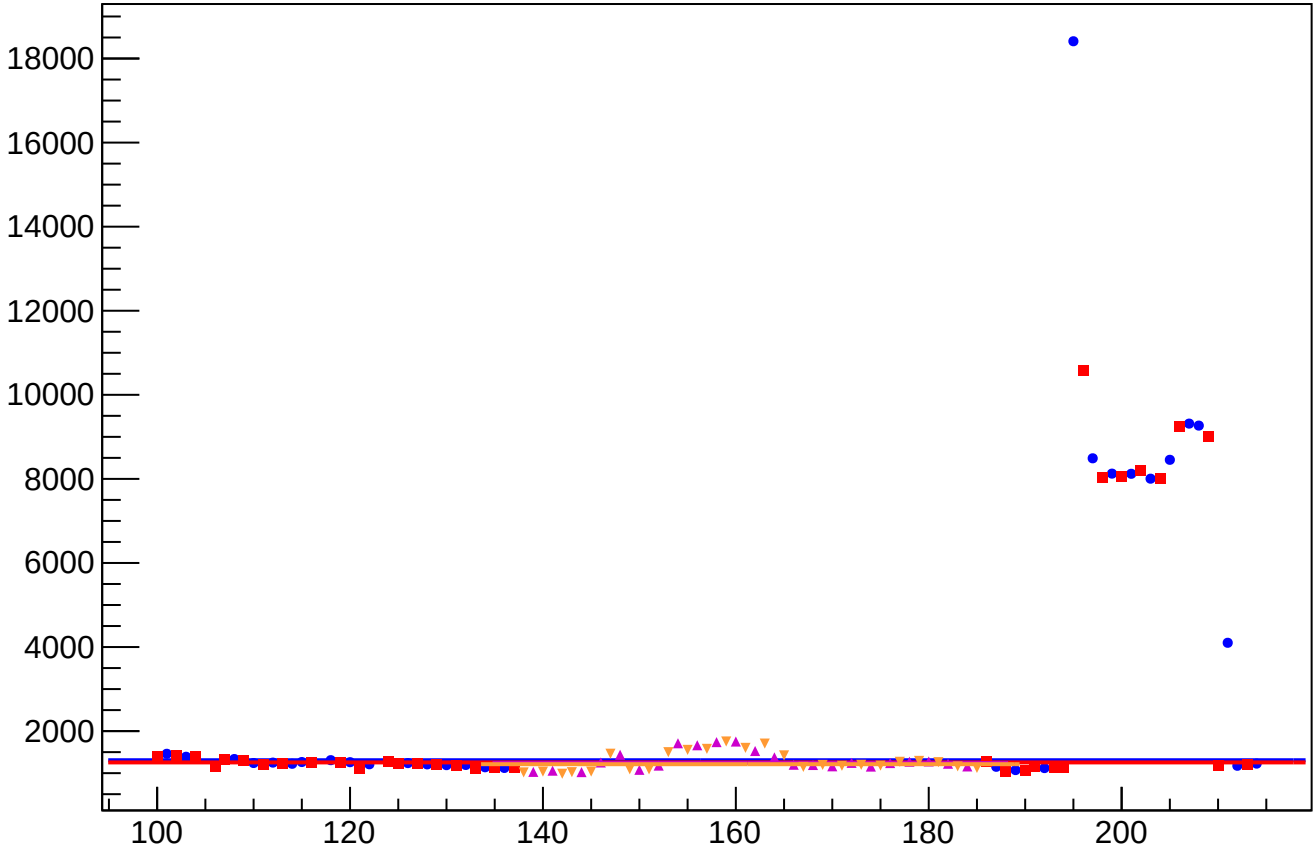
Right: -1.017+/-0.248 χ^2/NDF: 2648.4/63

In: -1.398+/-0.230 χ^2/NDF:826.9/52

Out: 2.057+/-0.215 χ^2/NDF:1845.8/58

All: 0.446+/-0.157 χ^2/NDF: 2793.1/111

diff_bpm0l08Y_rms vs Slug, Sign Corrected



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

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

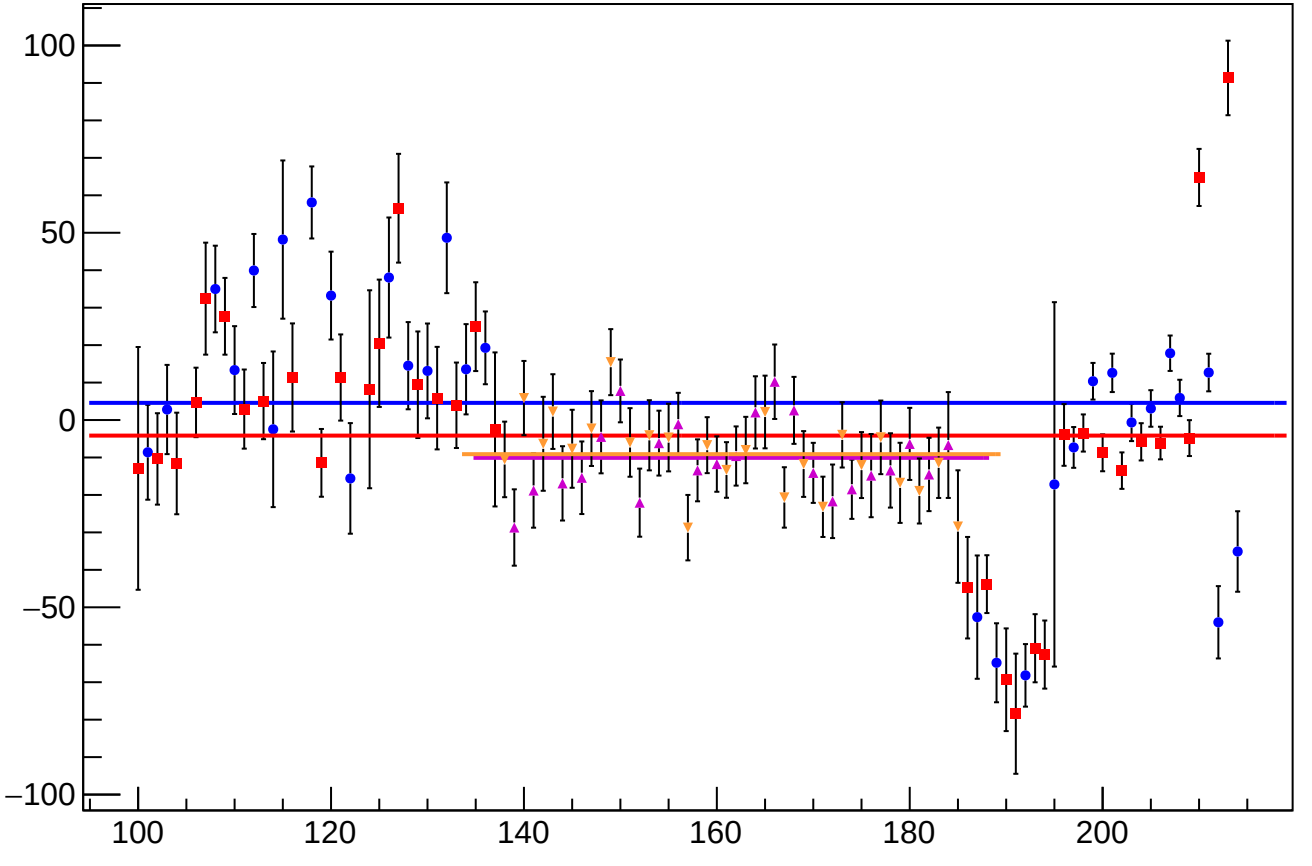
Right: 1278.878+/-0.175 χ^2/NDF: 19751560.5/63

In: 1265.623+/-0.163 χ^2/NDF:11649784.3/52

Out: 1230.706+/-0.152 χ^2/NDF:10038937.8/58

All: 1246.979+/-0.111 χ^2/NDF: 21713303.8/1

diff_bpm0l09X_mean vs Slug, Sign Corrected



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

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

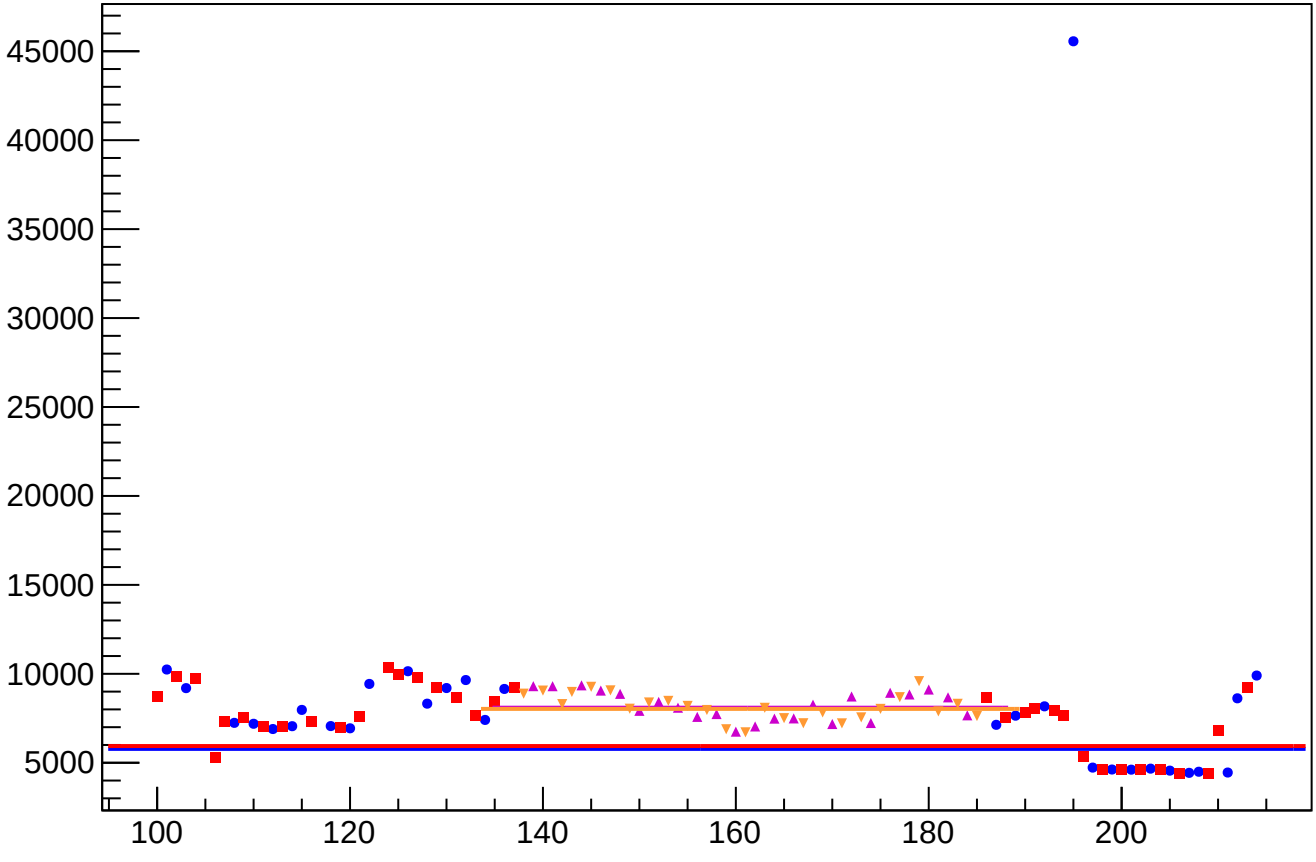
Right: 0.203+/-1.025 χ^2/NDF: 690.9/63

In: -0.783+/-1.156 χ^2/NDF:346.1/52

Out: -6.049+/-1.138 χ^2/NDF:421.6/58

All: -3.456+/-0.811 χ^2/NDF: 778.2/111

diff_bpm0l09X_rms vs Slug, Sign Corrected



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

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

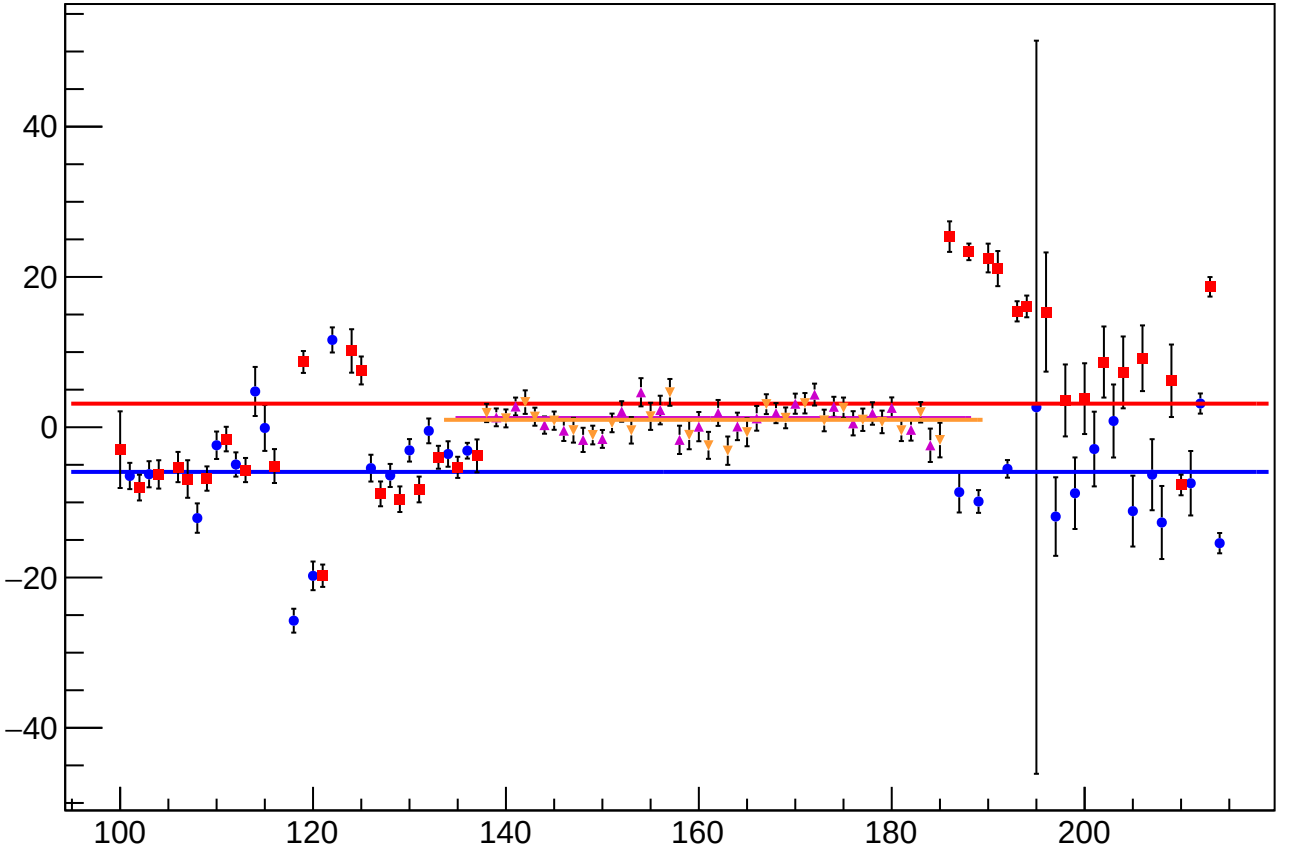
Right: 5860.055+/-0.725 χ^2/NDF: 7503669.8/63

In: 6626.838+/-0.817 χ^2/NDF:6743668.5/52

Out: 6736.394+/-0.805 χ^2/NDF:4898720.7/58

All: 6682.448+/-0.573 χ^2/NDF: 11651513.0/1

diff_bpm0l09Y_mean vs Slug, Sign Corrected



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

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

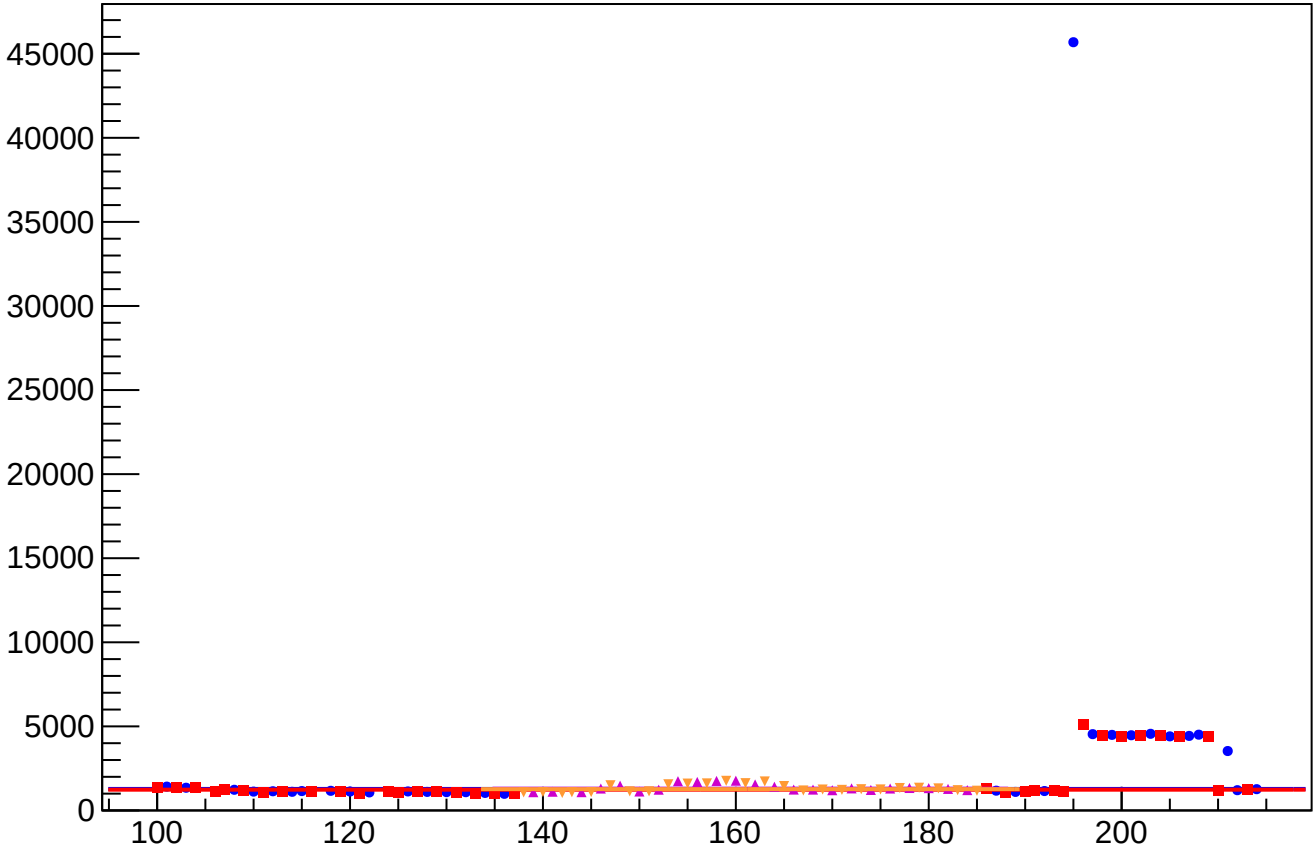
Right: -1.028+/-0.234 χ^2/NDF: 2527.6/63

In: -1.941+/-0.229 χ^2/NDF:755.4/52

Out: 1.974+/-0.215 χ^2/NDF:1726.9/58

All: 0.140+/-0.157 χ^2/NDF: 2637.5/111

diff_bpm0l09Y_rms vs Slug, Sign Corrected



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

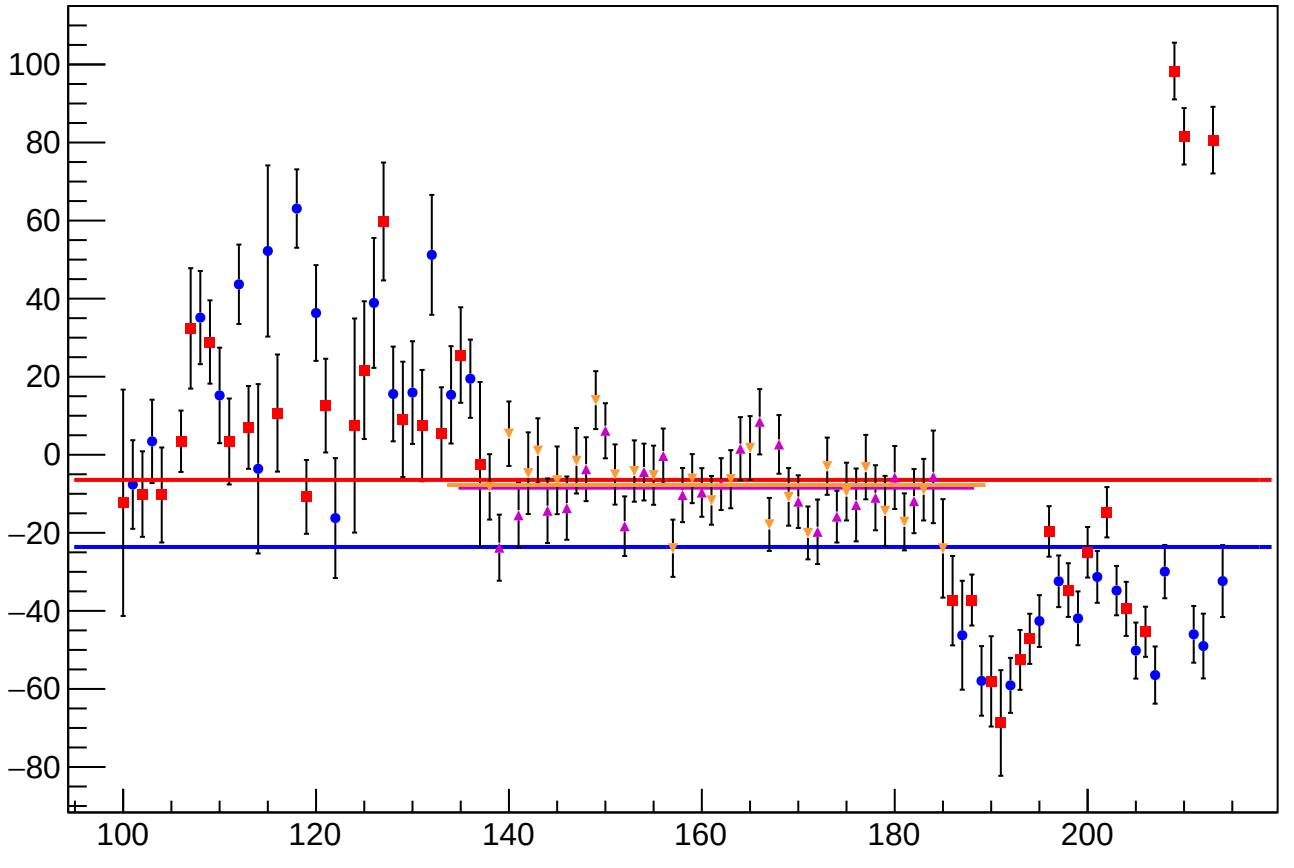
Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

Right: 1255.449+/-0.165 χ^2/NDF: 15167568.7/63

In: 1287.588+/-0.162 χ^2/NDF:9506941.9/52

Out: 1252.622+/-0.152 χ^2/NDF:7292666.7/58

All: 1269.001+/-0.111 χ^2/NDF: 16824358.9/1



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

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

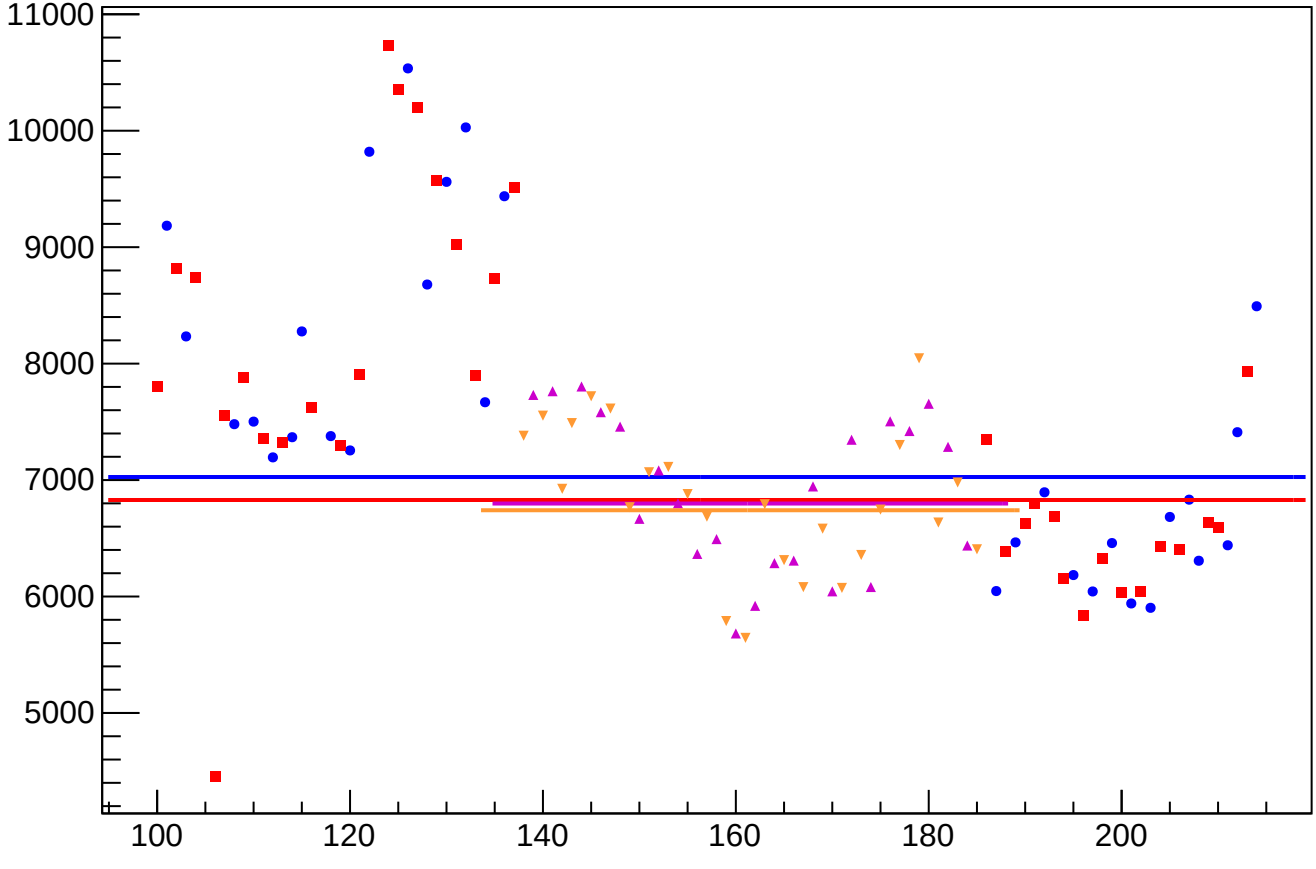
Right: -14.624+/-1.152 χ^2/NDF: 1212.1/63

In: -15.728+/-1.157 χ^2/NDF:469.8/52

Out: -7.118+/-1.109 χ^2/NDF:785.4/58

All: -11.241+/-0.801 χ^2/NDF: 1284.1/111

diff_bpm0l10X_rms vs Slug, Sign Corrected



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

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

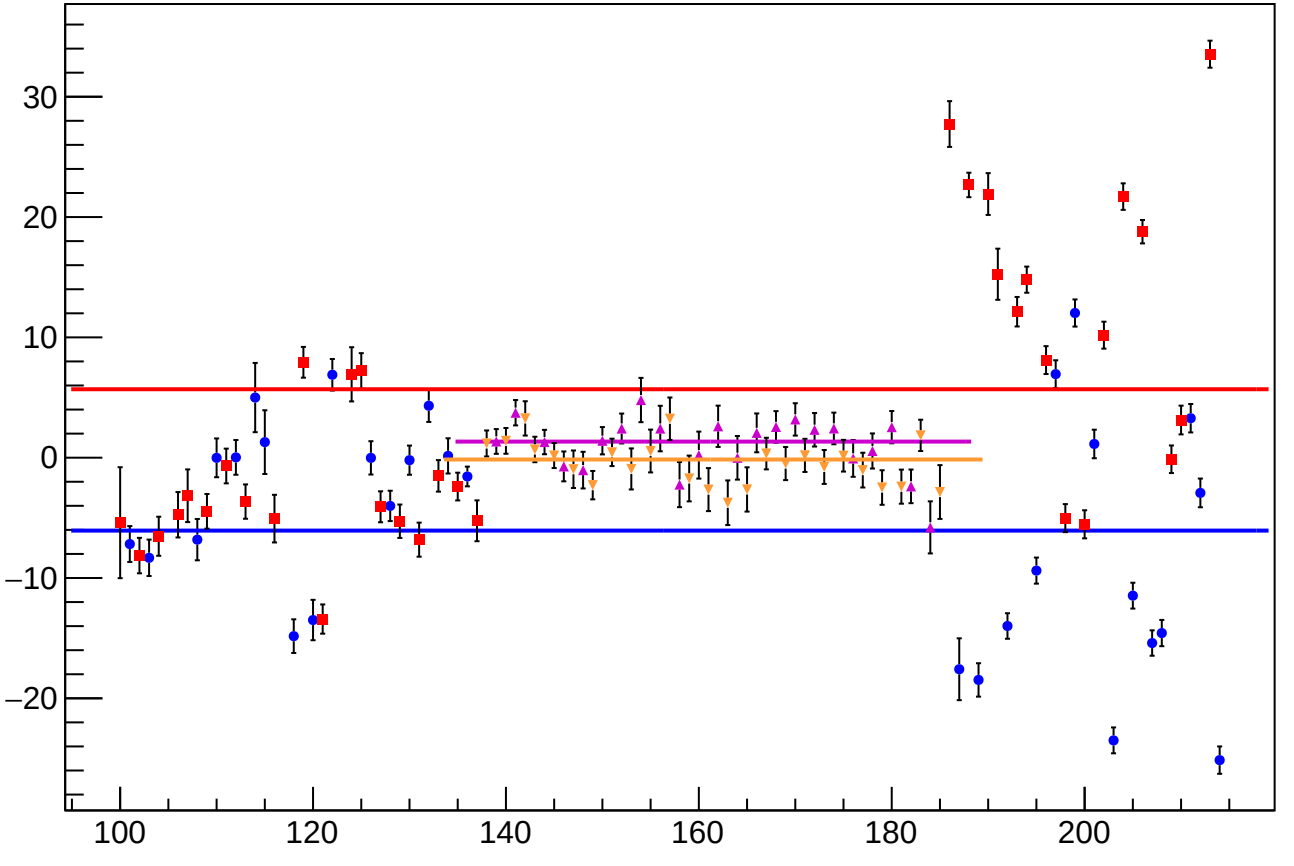
Right: 6922.845+/-0.815 χ^2/NDF: 1912580.8/63

In: 6907.845+/-0.818 χ^2/NDF:1271890.4/52

Out: 6783.585+/-0.784 χ^2/NDF:1318523.1/58

All: 6843.094+/-0.566 χ^2/NDF: 2602432.2/11

diff_bpm0l10Y_mean vs Slug, Sign Corrected



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

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

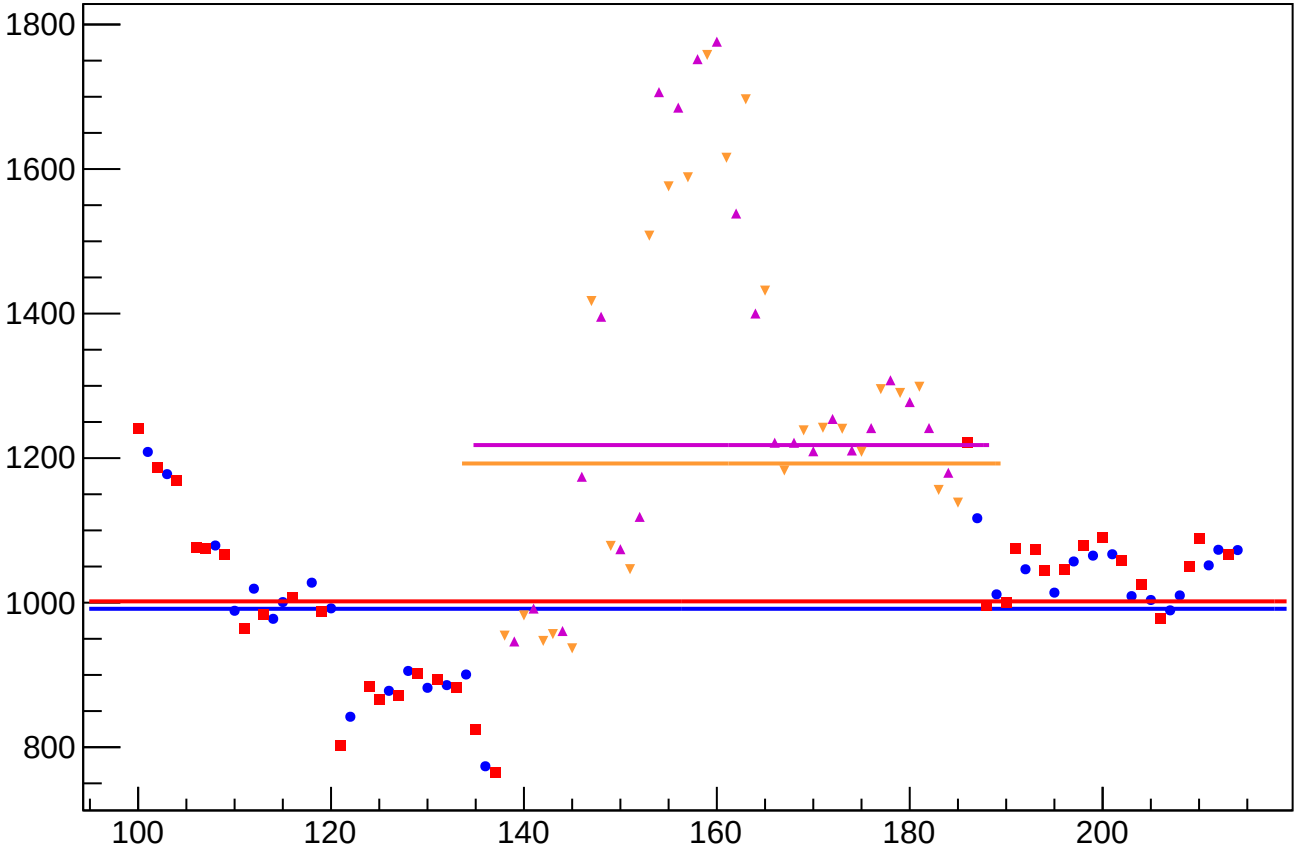
Right: -0.133+/-0.164 χ^2/NDF: 5779.0/63

In: -3.164+/-0.182 χ^2/NDF:2170.8/52

Out: 3.294+/-0.177 χ^2/NDF:3061.2/58

All: 0.143+/-0.127 χ^2/NDF: 5880.1/111

diff_bpm0l10Y_rms vs Slug, Sign Corrected



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

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

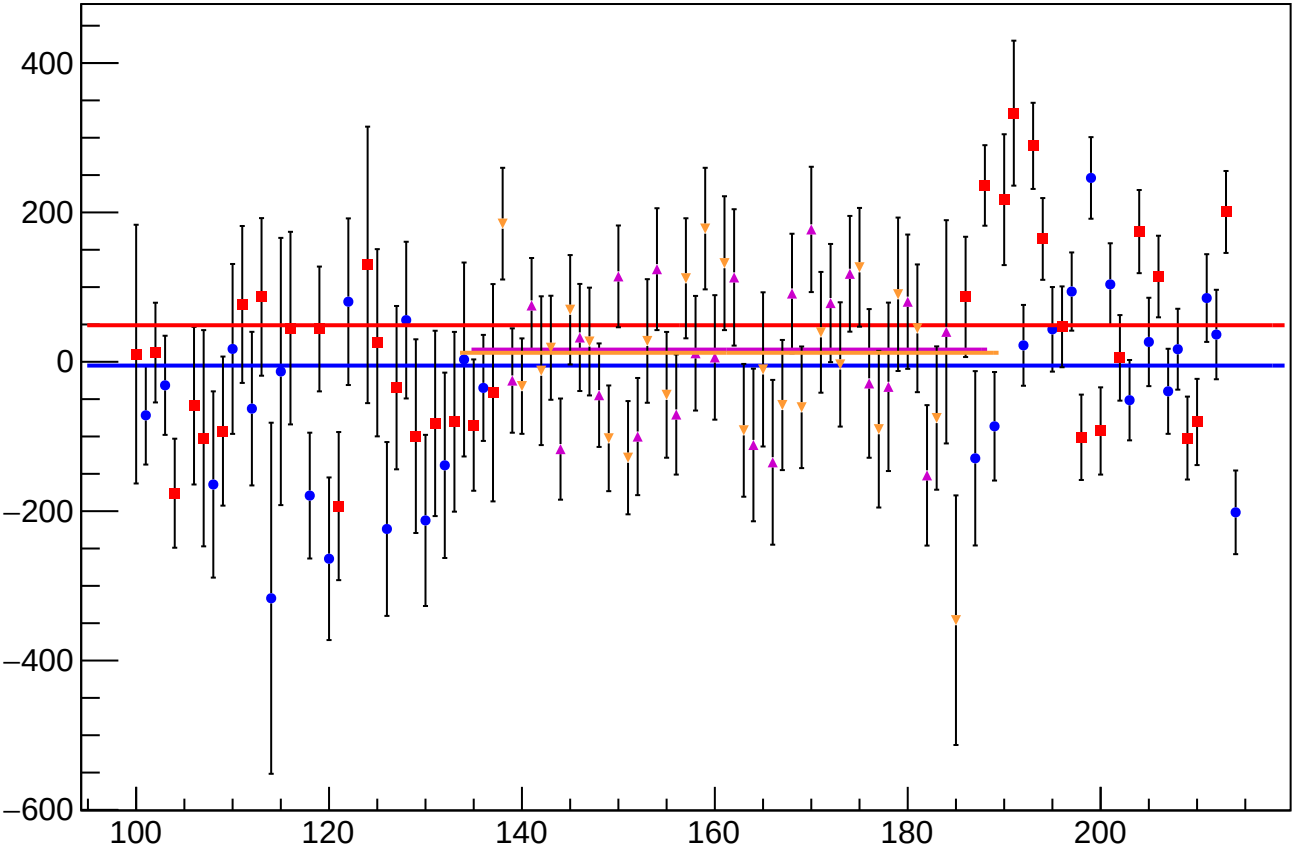
Right: 996.701+/-0.116 χ^2/NDF: 751169.4/63

In: 1080.202+/-0.128 χ^2/NDF:2236750.4/52

Out: 1080.018+/-0.125 χ^2/NDF:2263377.0/58

All: 1080.108+/-0.090 χ^2/NDF: 4500128.4/11

diff_bpm0r03X_mean vs Slug, Sign Corrected



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

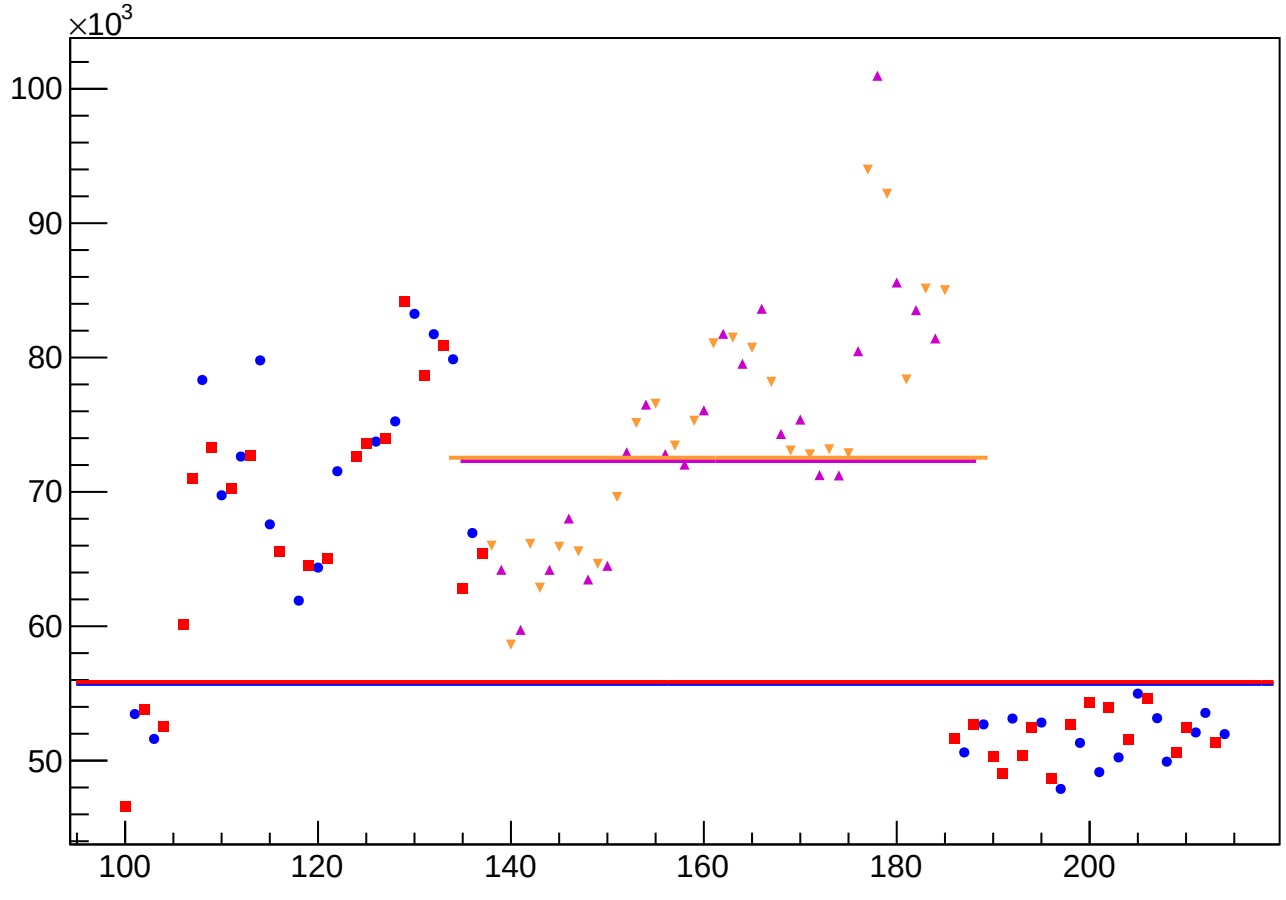
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 22.445+/-9.257 χ^2/NDF: 194.6/63

In: 2.987+/-10.438 χ^2/NDF:102.3/52

Out: 34.978+/-10.222 χ^2/NDF:149.3/58

All: 19.316+/-7.303 χ^2/NDF: 256.5/111



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

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

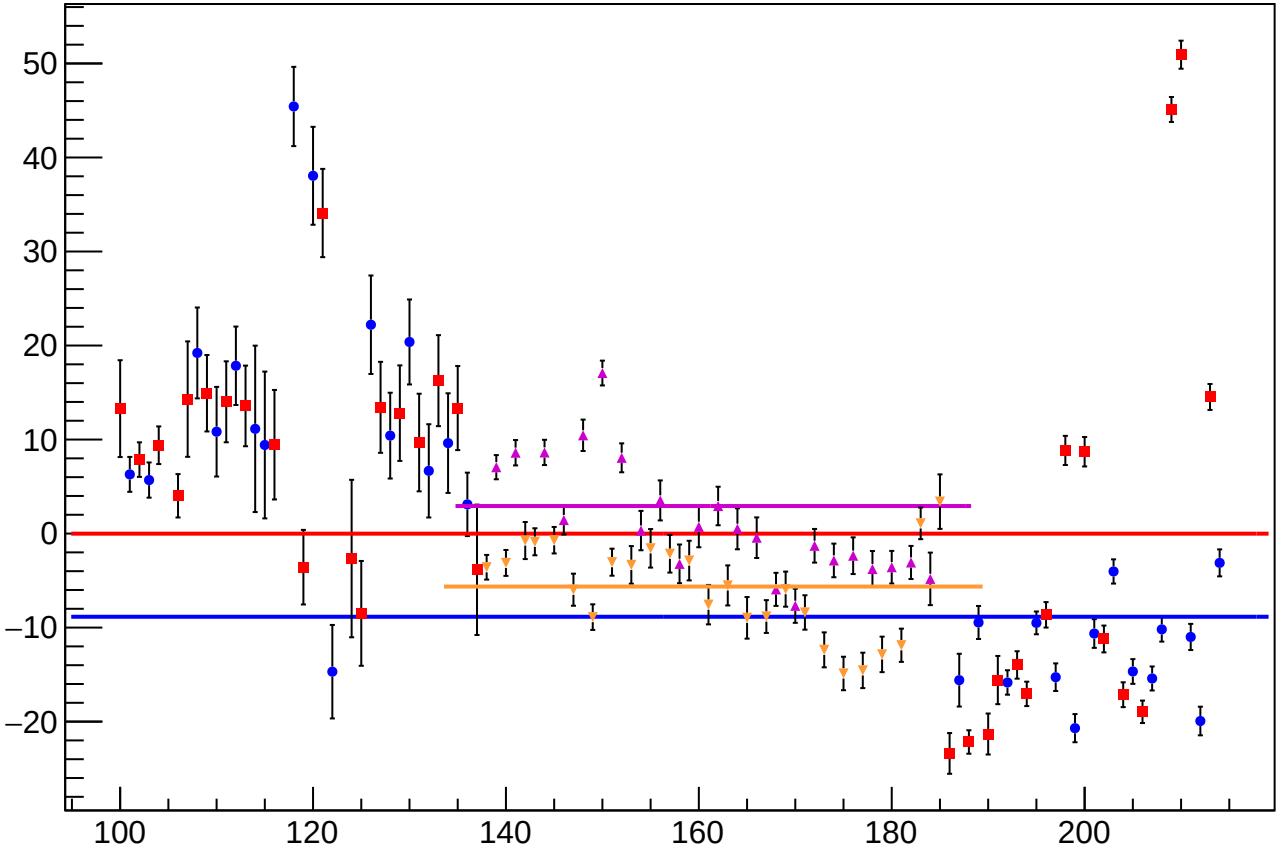
Right: 55782.685+/-6.545 χ^2/NDF: 1634675.9/63

In: 61953.134+/-7.381 χ^2/NDF:2538163.6/52

Out: 62174.314+/-7.228 χ^2/NDF:2525902.2/58

All: 62066.030+/-5.164 χ^2/NDF: 5064524.1/

diff_bpm0r03Y_mean vs Slug, Sign Corrected



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

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

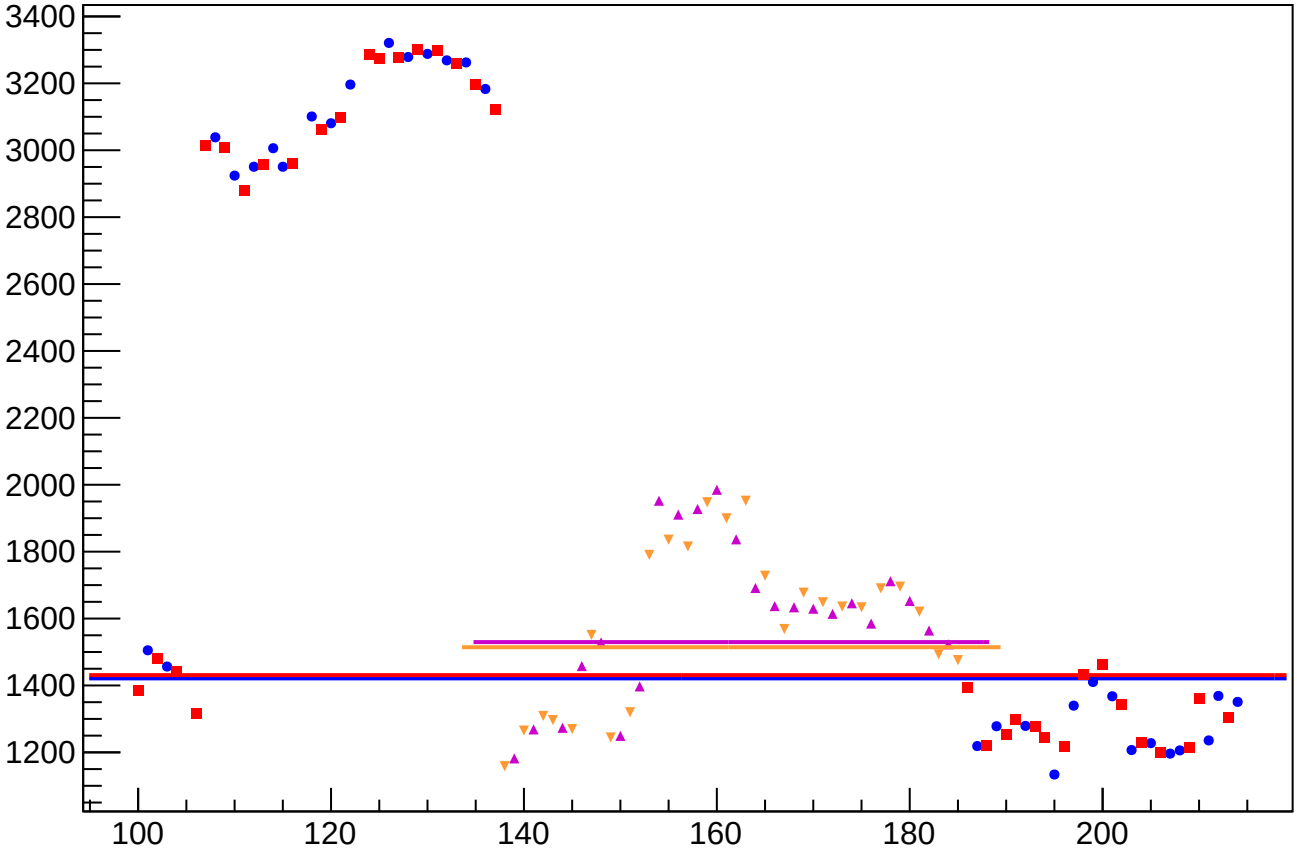
Right: -4.355+/-0.247 χ^2/NDF: 5206.8/63

In: -3.126+/-0.253 χ^2/NDF:1738.3/52

Out: -2.800+/-0.246 χ^2/NDF:4338.2/58

All: -2.959+/-0.176 χ^2/NDF: 6077.3/111

diff_bpm0r03Y_rms vs Slug, Sign Corrected



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

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

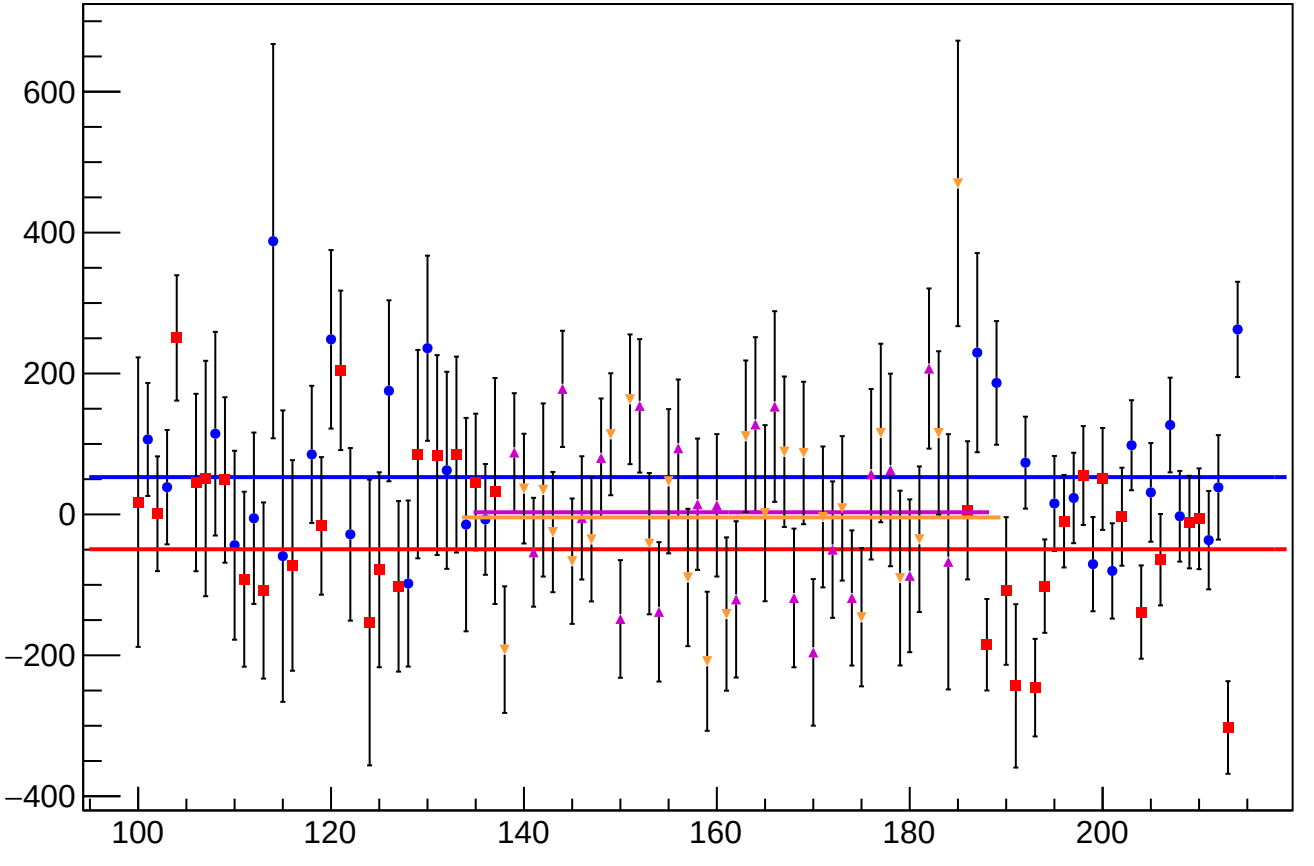
Right: 1426.096+/-0.175 χ^2/NDF: 7937388.6/63

In: 1473.854+/-0.179 χ^2/NDF:4961430.7/52

Out: 1472.278+/-0.174 χ^2/NDF:4886832.6/58

All: 1473.045+/-0.125 χ^2/NDF: 9848303.3/11

diff_bpm0r05X_mean vs Slug, Sign Corrected



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

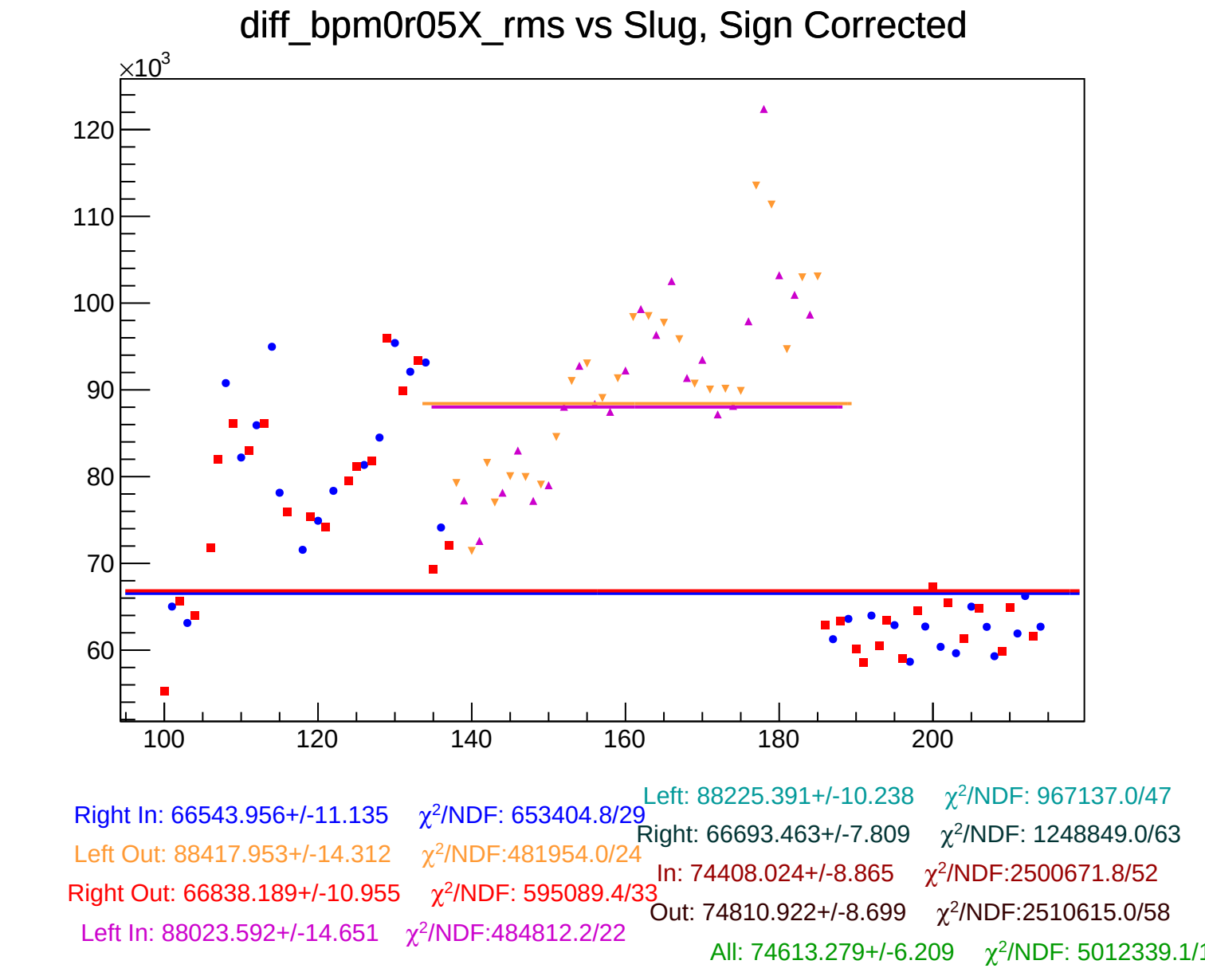
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 0.906+/-11.044 χ^2/NDF: 120.6/63

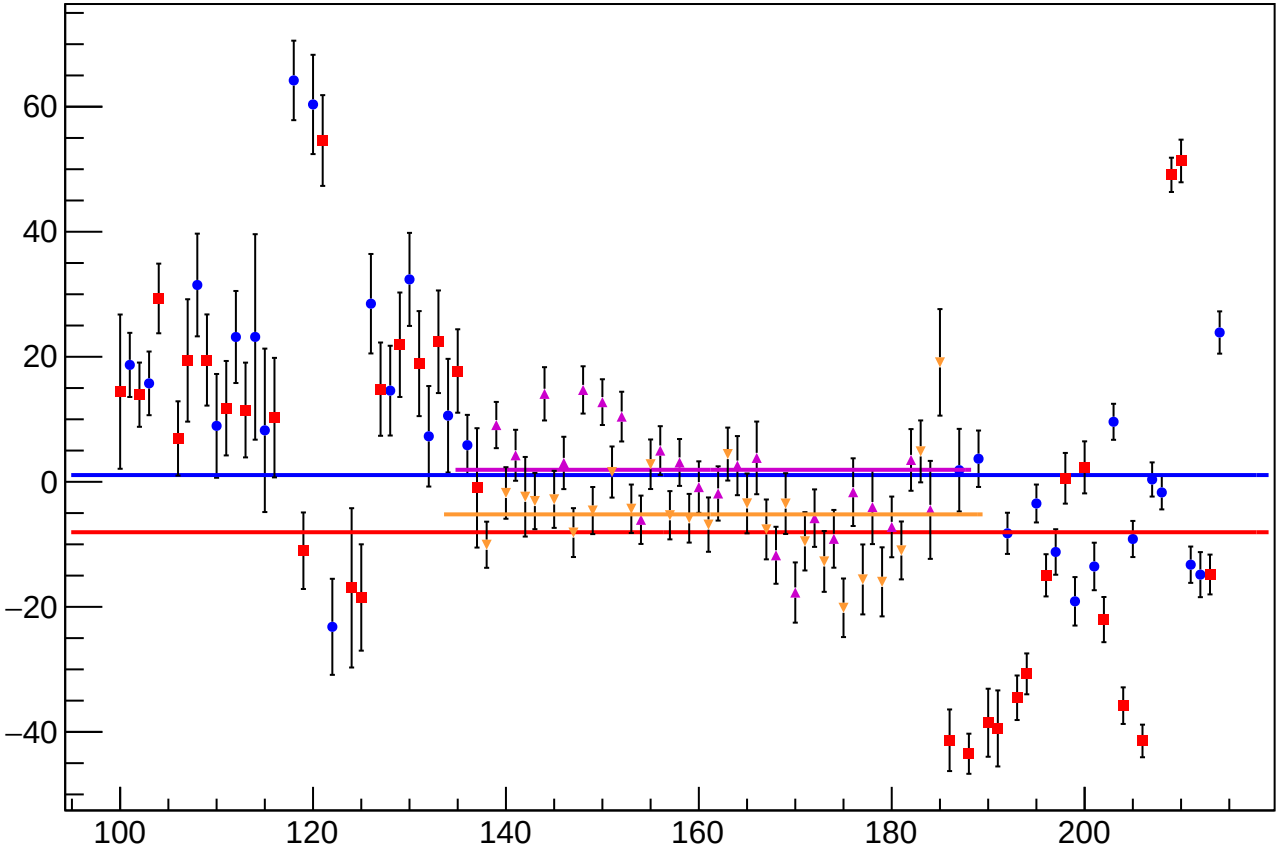
In: 34.650+/-12.537 χ^2/NDF:71.4/52

Out: -32.756+/-12.302 χ^2/NDF:95.8/58

All: 0.310+/-8.781 χ^2/NDF: 181.9/111


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
Right In: 66543.956+/-11.135 χ²/NDF: 653404.8/29
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 66838.189+/-10.955 χ²/NDF: 595089.4/33
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 66693.463+/-7.809 χ²/NDF: 1248849.0/63
In: 74408.024+/-8.865 χ²/NDF:2500671.8/52
Out: 74810.922+/-8.699 χ²/NDF:2510615.0/58
All: 74613.279+/-6.209 χ²/NDF: 5012339.1/1

diff_bpm0r05Y_mean vs Slug, Sign Corrected



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

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

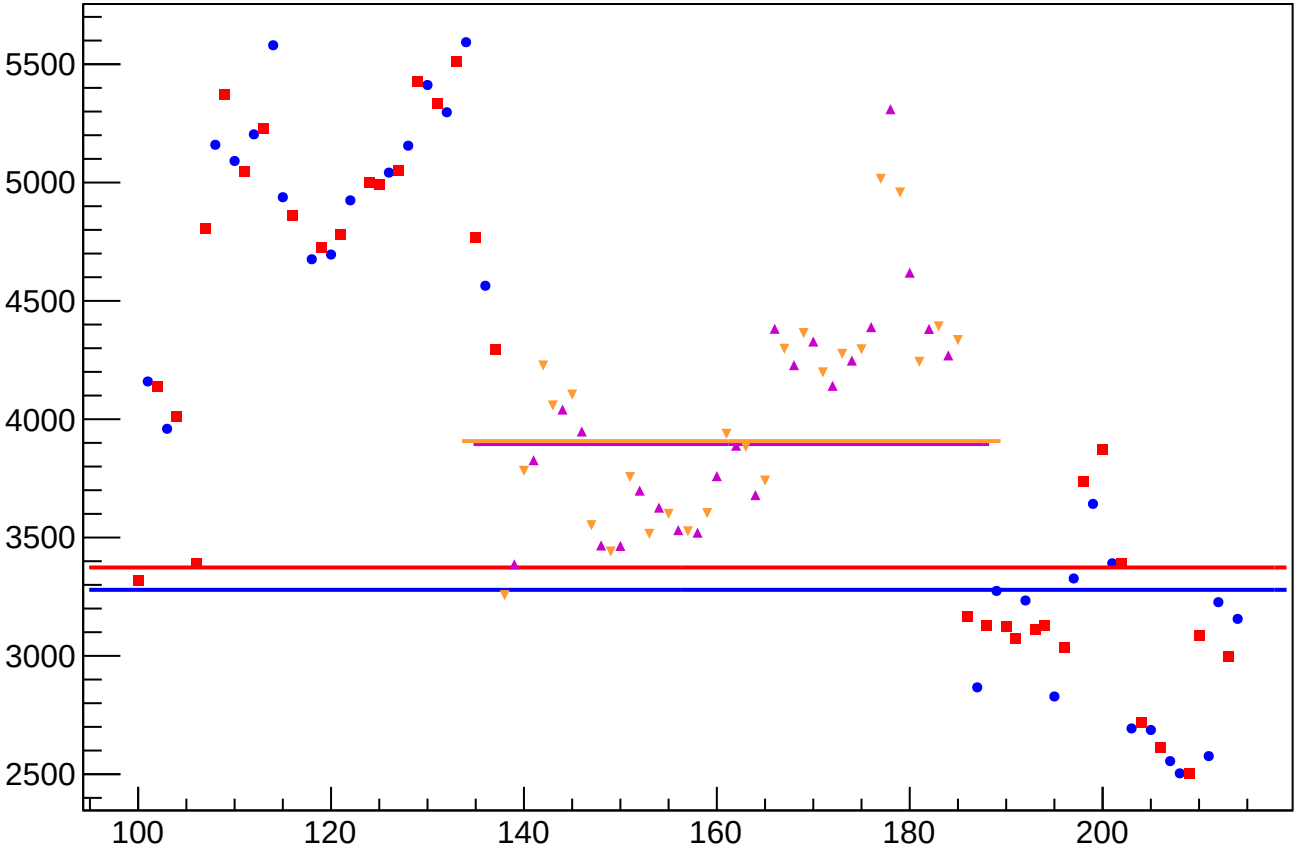
Right: -3.466+/-0.562 χ^2/NDF: 2093.8/63

In: 1.442+/-0.599 χ^2/NDF:505.3/52

Out: -6.797+/-0.595 χ^2/NDF:1662.6/58

All: -2.710+/-0.422 χ^2/NDF: 2263.2/111

diff_bpm0r05Y_rms vs Slug, Sign Corrected



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

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

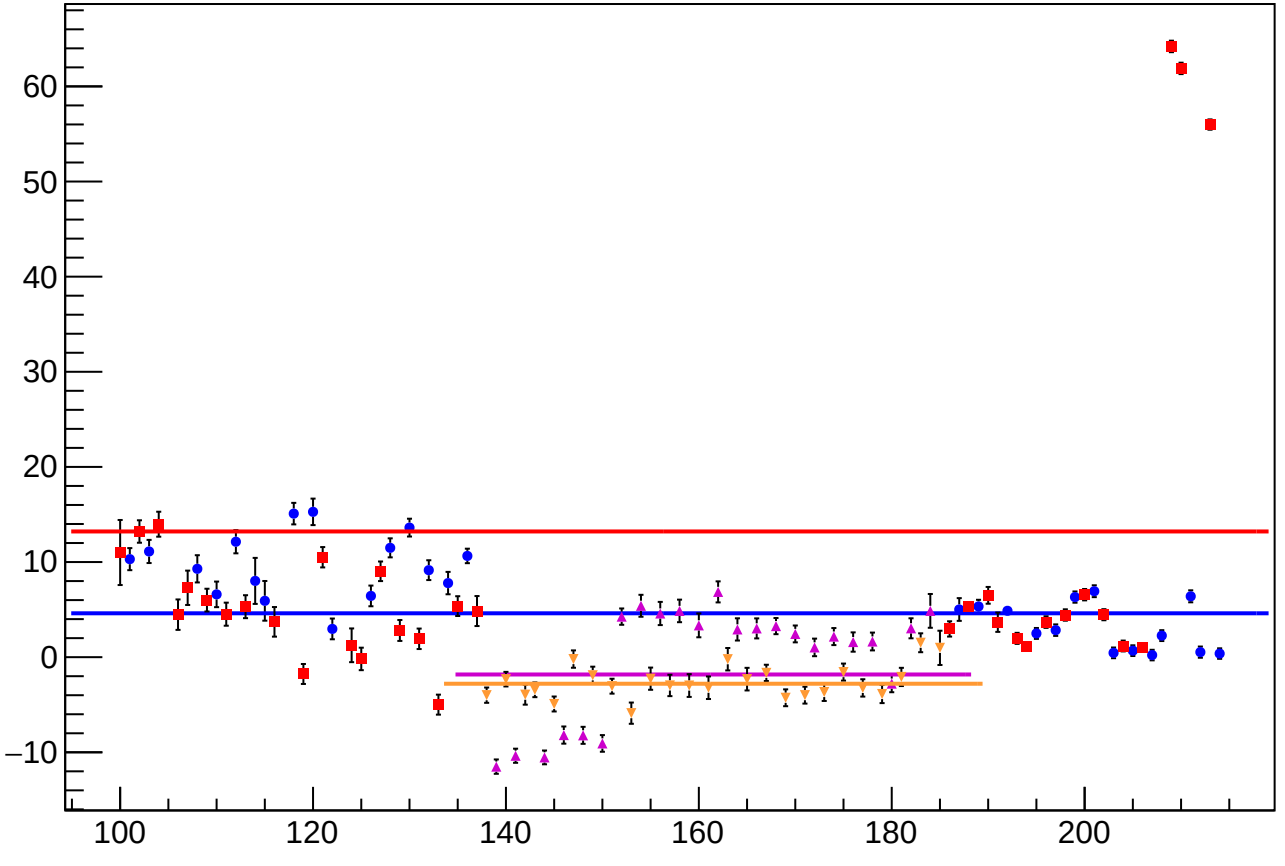
Right: 3325.997+/-0.397 χ^2/NDF: 4231751.0/63

In: 3542.665+/-0.424 χ^2/NDF:3140449.0/52

Out: 3609.781+/-0.420 χ^2/NDF:2843505.6/58

All: 3576.487+/-0.298 χ^2/NDF: 5996592.9/11

diff_bpm2i01X_mean vs Slug, Sign Corrected



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

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

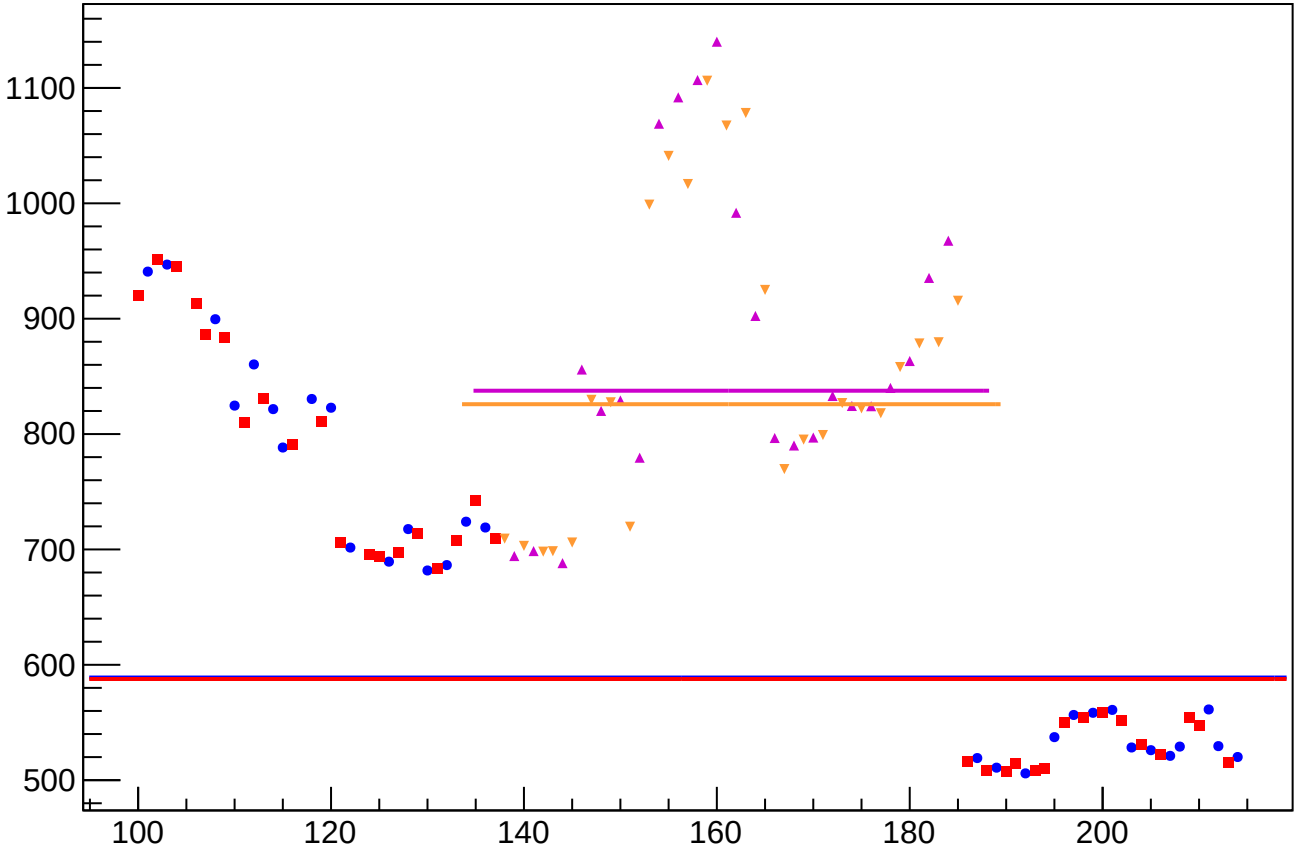
Right: 9.003+/-0.098 χ^2/NDF: 27103.3/63

In: 2.472+/-0.114 χ^2/NDF:2556.6/52

Out: 7.737+/-0.111 χ^2/NDF:29081.7/58

All: 5.178+/-0.080 χ^2/NDF: 32728.5/111

diff_bpm2i01X_rms vs Slug, Sign Corrected



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

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

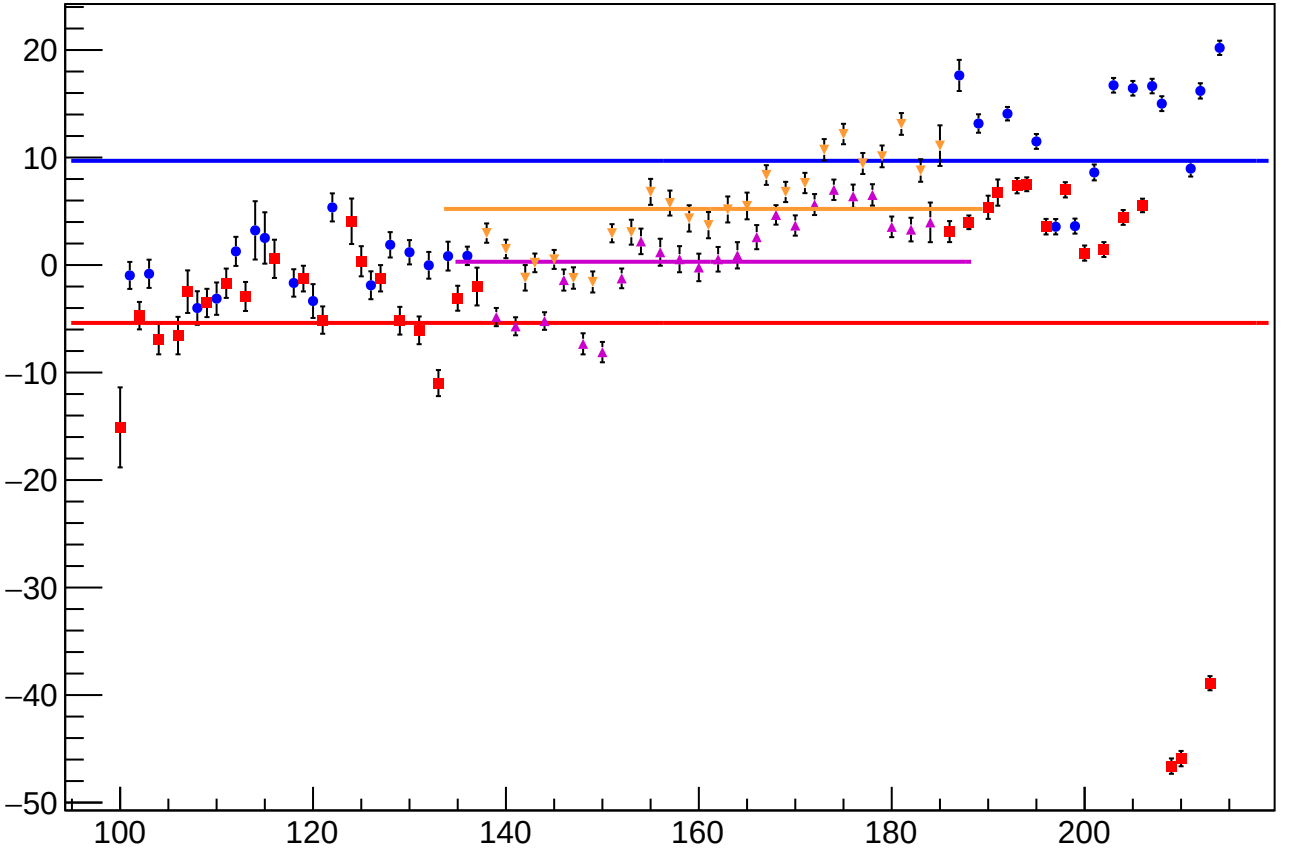
Right: 588.322+/-0.069 χ^2/NDF: 2644704.5/63

In: 671.704+/-0.081 χ^2/NDF:4074623.4/52

Out: 669.213+/-0.079 χ^2/NDF:4215027.6/58

All: 670.424+/-0.056 χ^2/NDF: 8290139.0/111

diff_bpm2i01Y_mean vs Slug, Sign Corrected



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

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

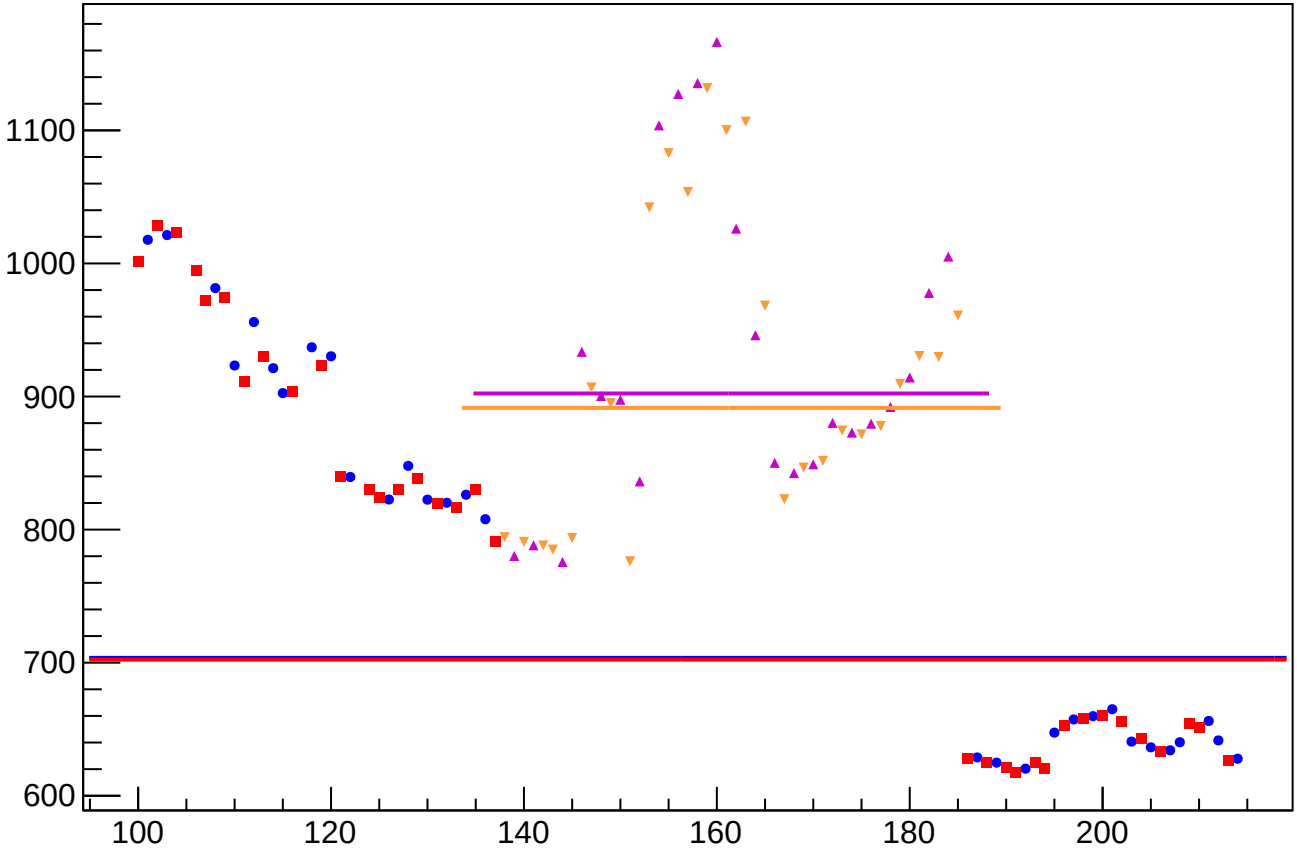
Right: 1.998+/-0.116 χ^2/NDF: 17641.9/63

In: 6.126+/-0.131 χ^2/NDF:3548.1/52

Out: -1.261+/-0.127 χ^2/NDF:13704.6/58

All: 2.329+/-0.091 χ^2/NDF: 18885.8/111

diff_bpm2i01Y_rms vs Slug, Sign Corrected



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

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

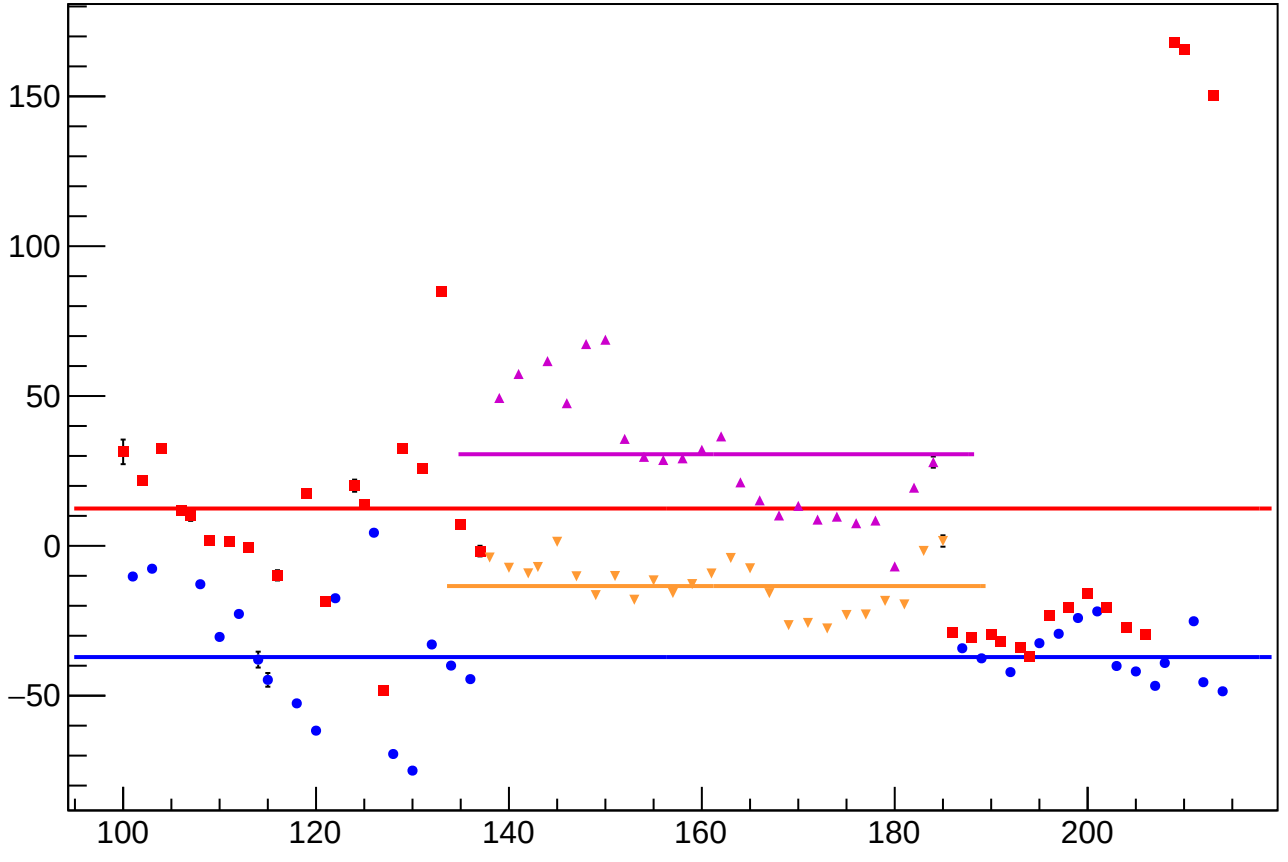
Right: 702.939+/-0.082 χ^2/NDF: 1934993.7/63

In: 779.086+/-0.093 χ^2/NDF:2490664.6/52

Out: 775.871+/-0.090 χ^2/NDF:2577041.1/58

All: 777.433+/-0.065 χ^2/NDF: 5068324.2/11

diff_bpm2i02X_mean vs Slug, Sign Corrected



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

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

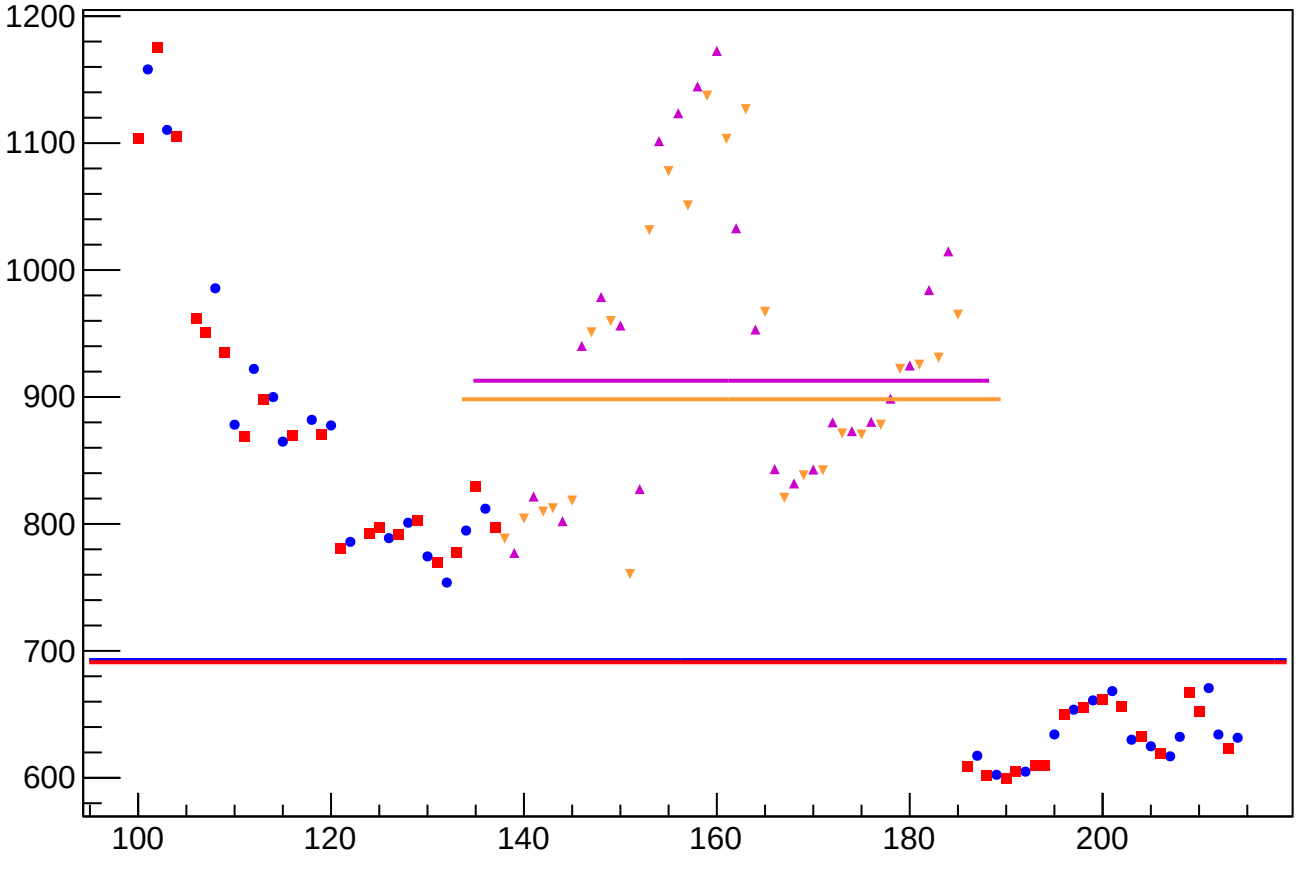
Right: -11.797+/-0.115 χ^2/NDF: 234953.0/63

In: -12.251+/-0.130 χ^2/NDF:80156.0/52

Out: 2.682+/-0.127 χ^2/NDF:192585.9/58

All: -4.562+/-0.091 χ^2/NDF: 279492.4/111

diff_bpm2i02X_rms vs Slug, Sign Corrected



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

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

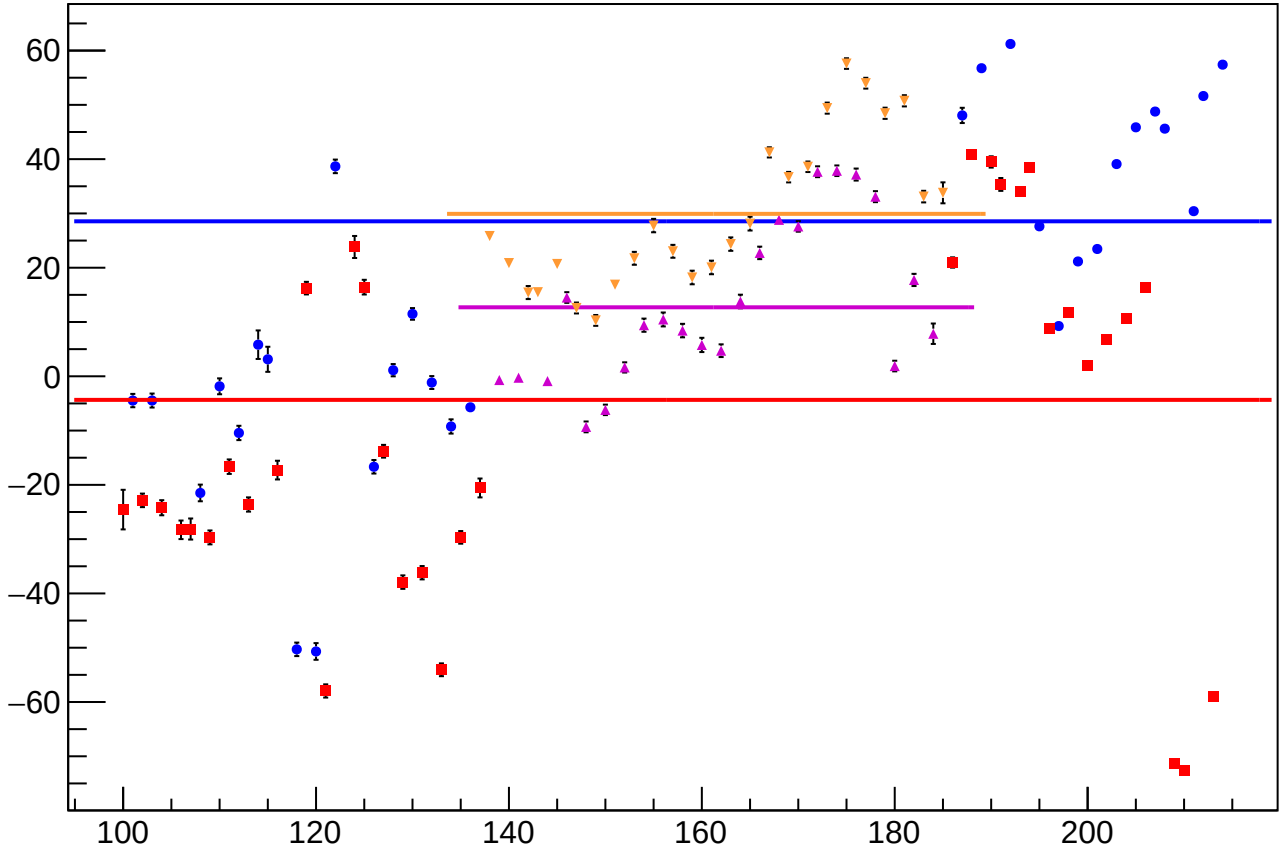
Right: 691.899+/-0.081 χ^2/NDF: 2033553.3/63

In: 773.614+/-0.092 χ^2/NDF:2776959.2/52

Out: 769.323+/-0.090 χ^2/NDF:2837164.1/58

All: 771.404+/-0.064 χ^2/NDF: 5615238.2/11

diff_bpm2i02Y_mean vs Slug, Sign Corrected



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

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

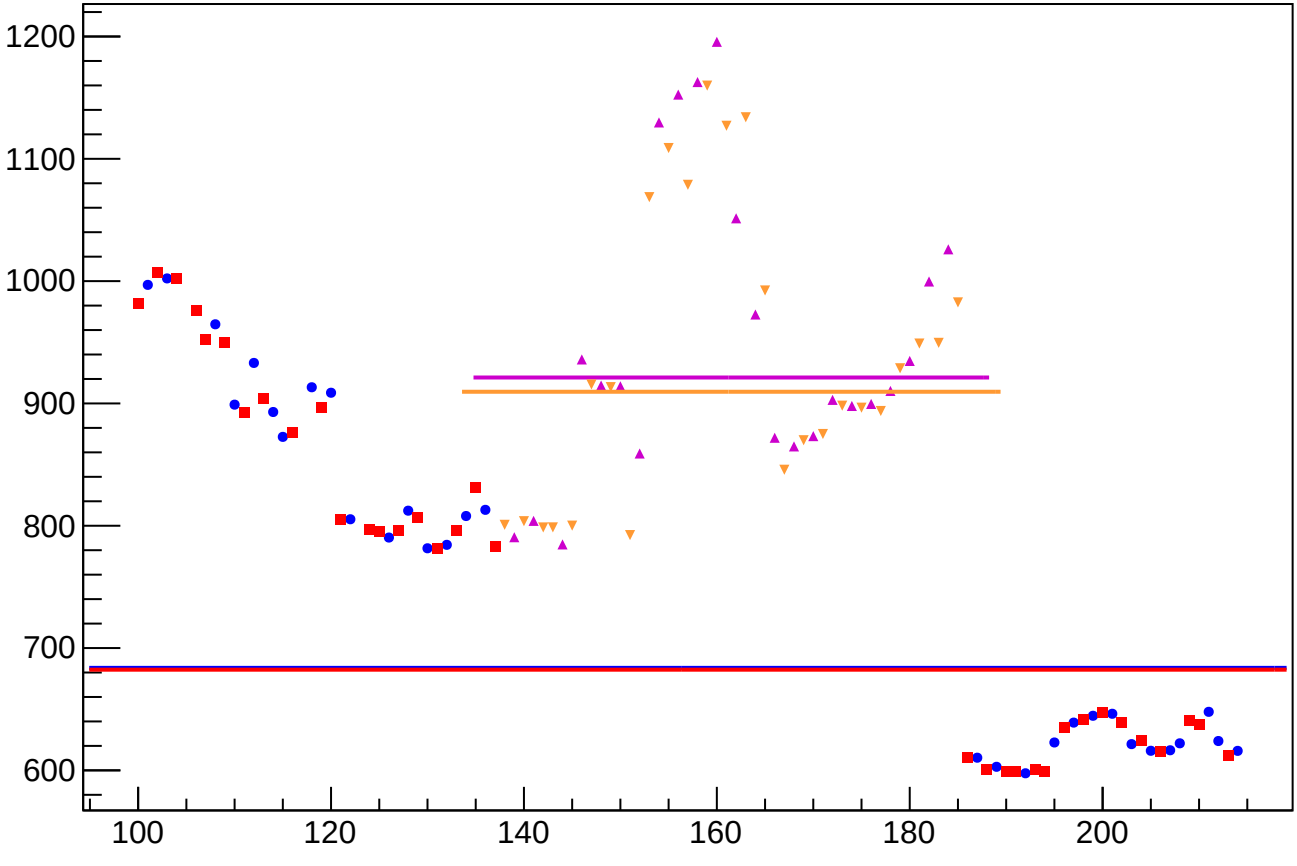
Right: 11.756+/-0.113 χ^2/NDF: 101515.7/63

In: 22.895+/-0.130 χ^2/NDF:34887.6/52

Out: 8.190+/-0.126 χ^2/NDF:75433.0/58

All: 15.336+/-0.090 χ^2/NDF: 116925.8/111

diff_bpm2i02Y_rms vs Slug, Sign Corrected



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

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

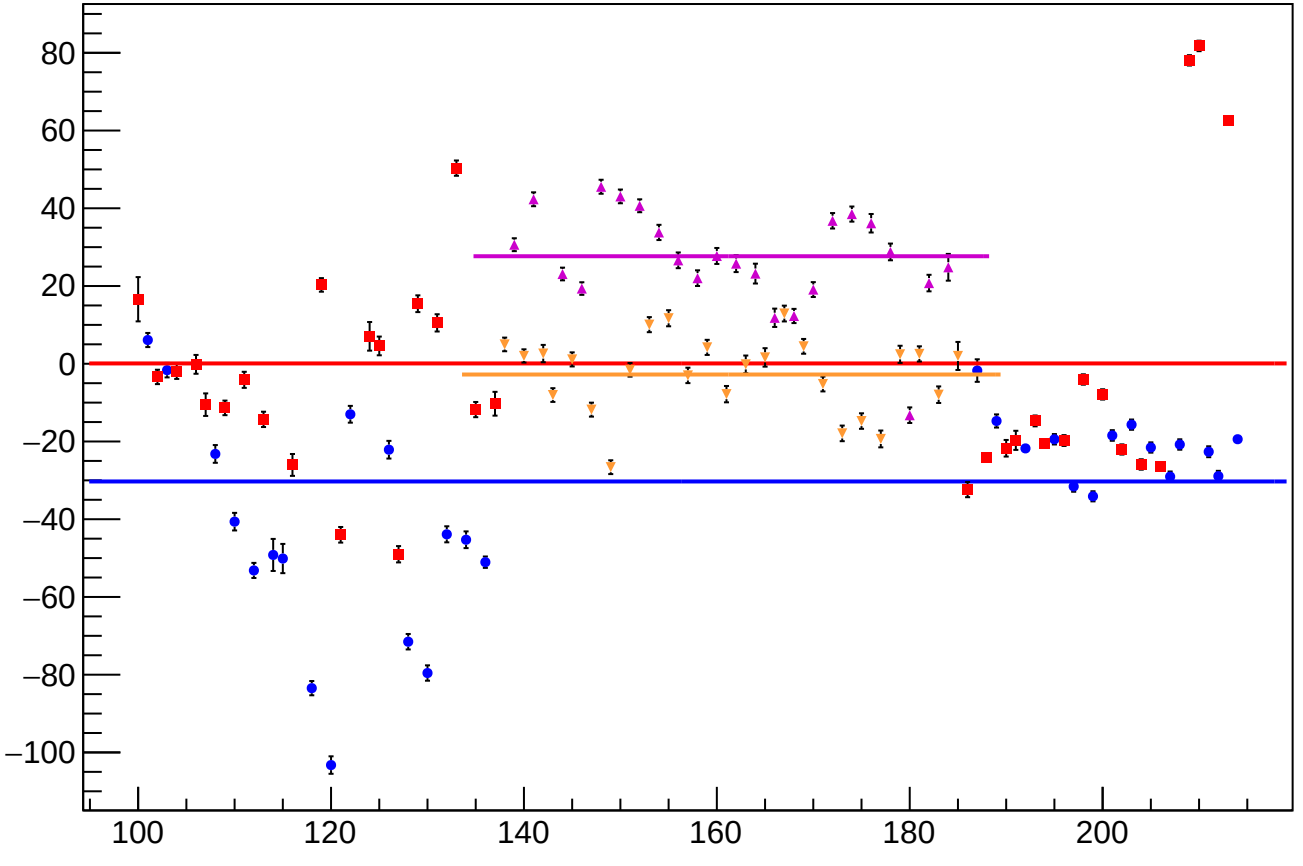
Right: 683.039+/-0.080 χ^2/NDF: 1974618.7/63

In: 768.534+/-0.092 χ^2/NDF:2978541.9/52

Out: 765.432+/-0.089 χ^2/NDF:3078427.0/58

All: 766.940+/-0.064 χ^2/NDF: 6057556.6/11

diff_bpm0i02X_mean vs Slug, Sign Corrected



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

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

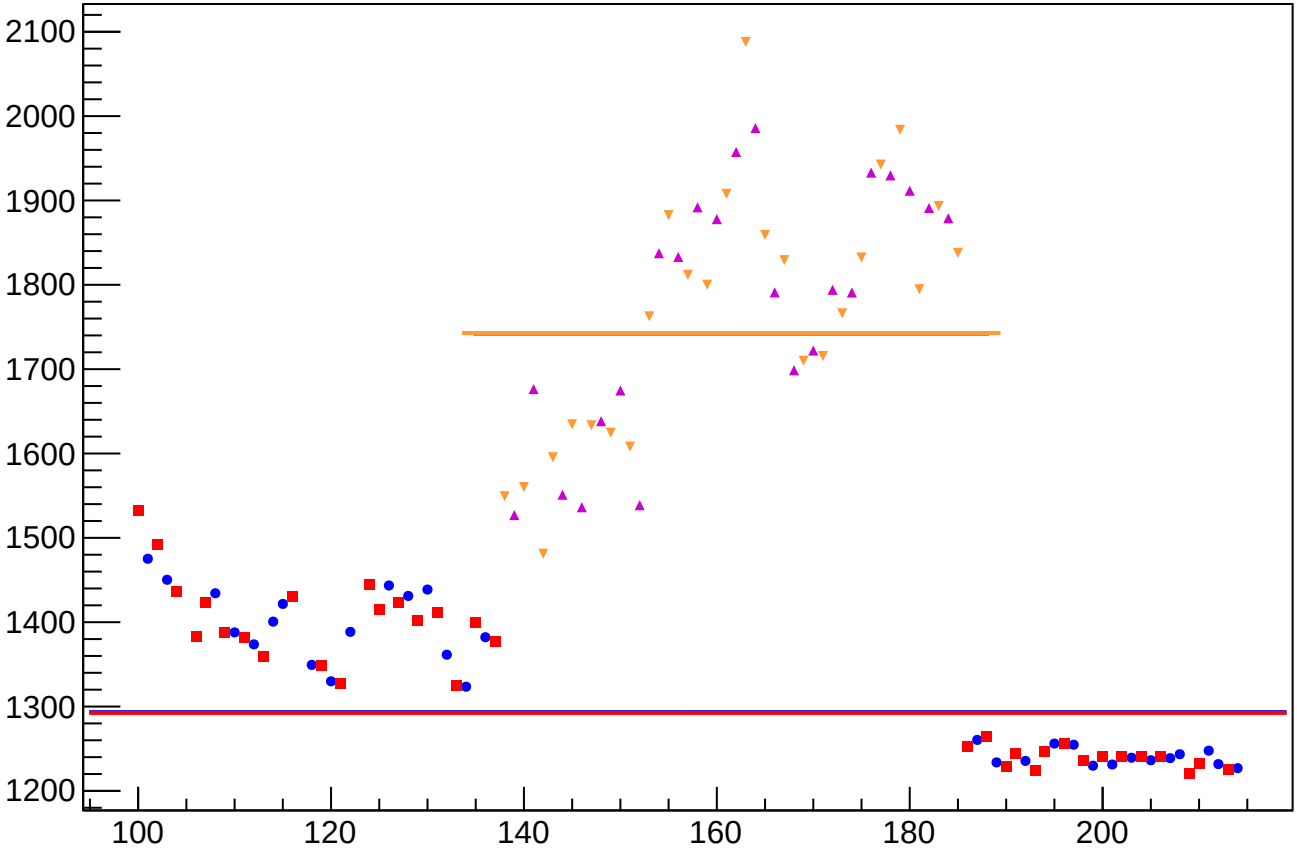
Right: -14.799+/-0.212 χ^2/NDF: 24135.2/63

In: -9.776+/-0.243 χ^2/NDF:18840.2/52

Out: -0.937+/-0.238 χ^2/NDF:14781.6/58

All: -5.255+/-0.170 χ^2/NDF: 34297.7/111

diff_bpm0i02X_rms vs Slug, Sign Corrected



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

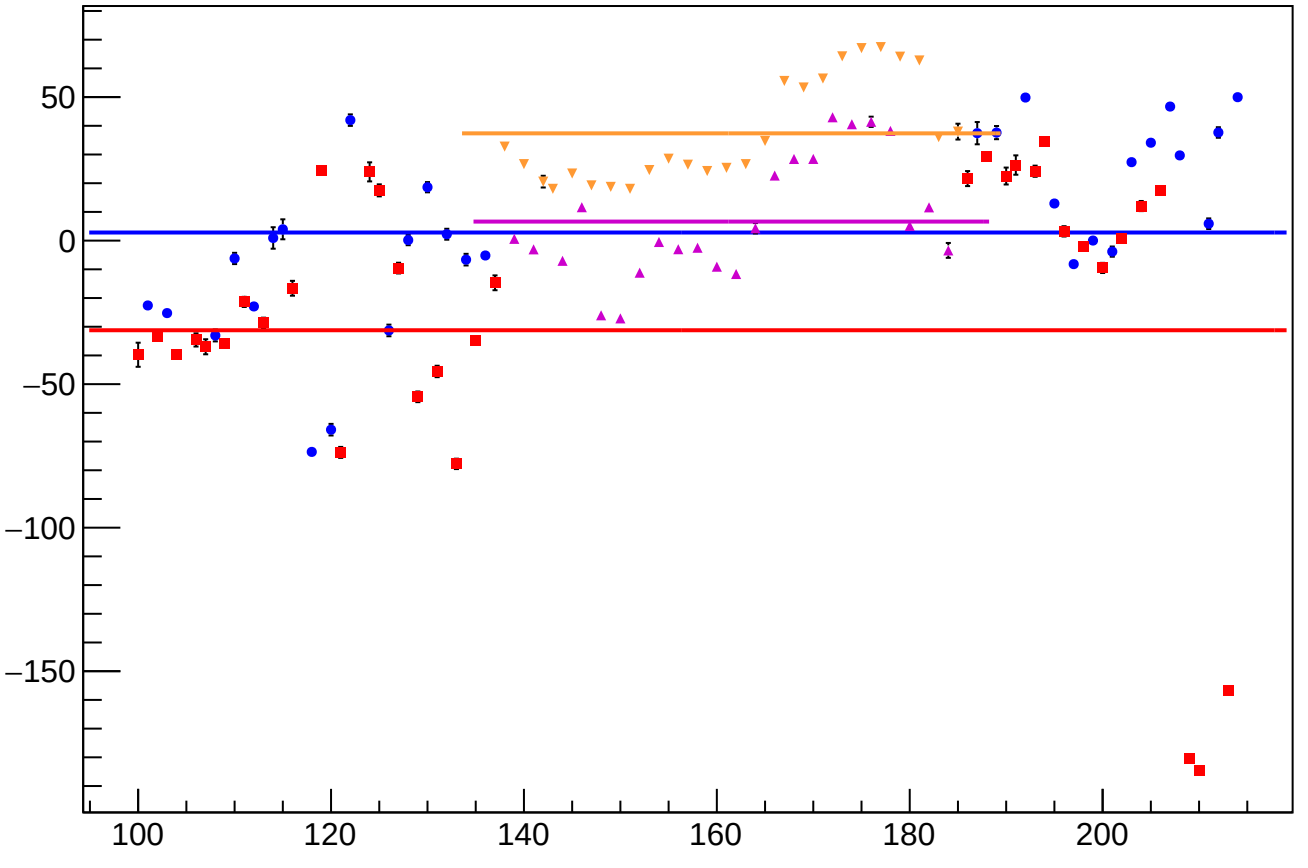
Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

Right: 1292.895+/-0.150 χ^2/NDF: 283815.9/63

In: 1452.205+/-0.172 χ^2/NDF:1960768.3/52

Out: 1453.527+/-0.168 χ^2/NDF:2055749.4/58

All: 1452.881+/-0.120 χ^2/NDF: 4016548.0/11



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

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

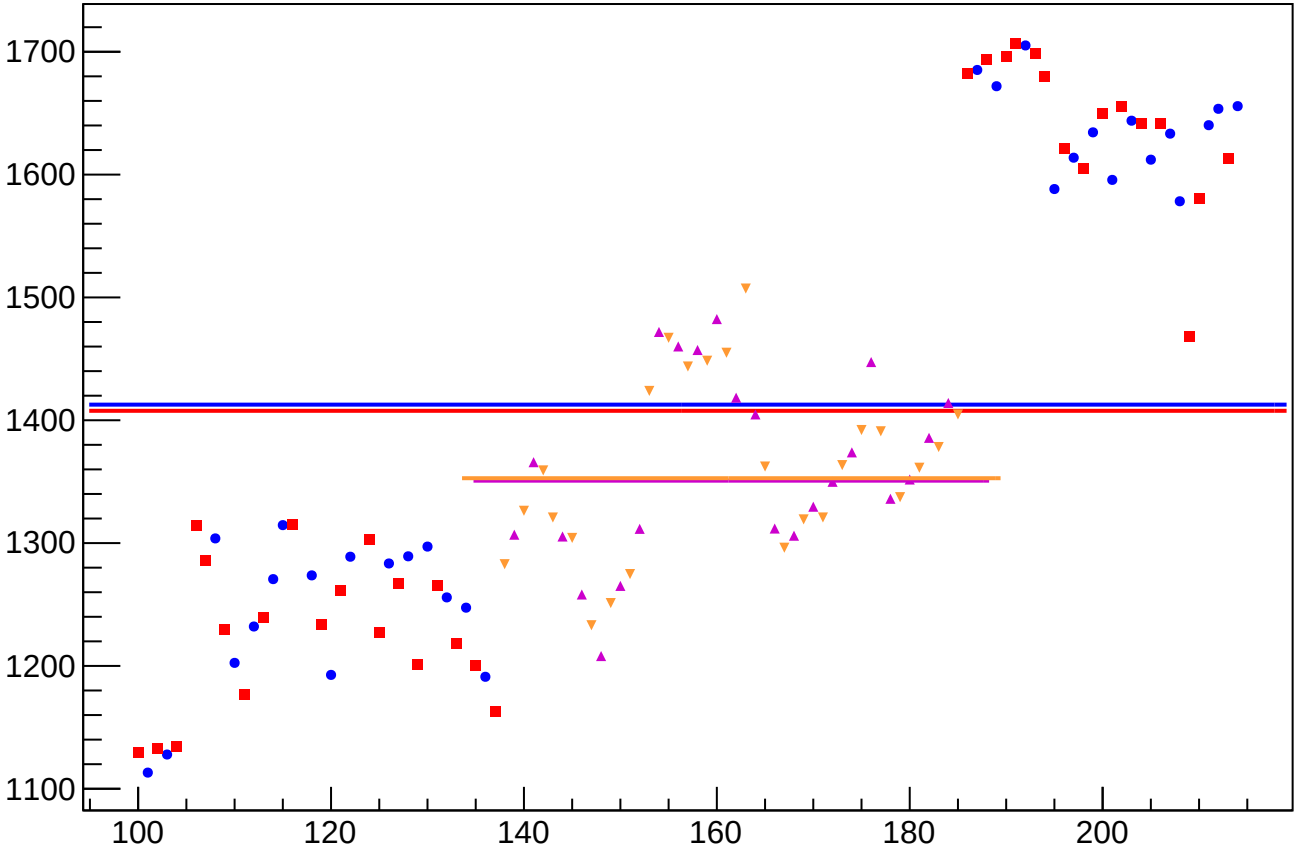
Right: -14.581+/-0.233 χ^2/NDF: 46916.6/63

In: 4.830+/-0.229 χ^2/NDF:13275.7/52

Out: 5.052+/-0.224 χ^2/NDF:59577.0/58

All: 4.944+/-0.160 χ^2/NDF: 72853.1/111

diff_bpm0i02Y_rms vs Slug, Sign Corrected



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

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

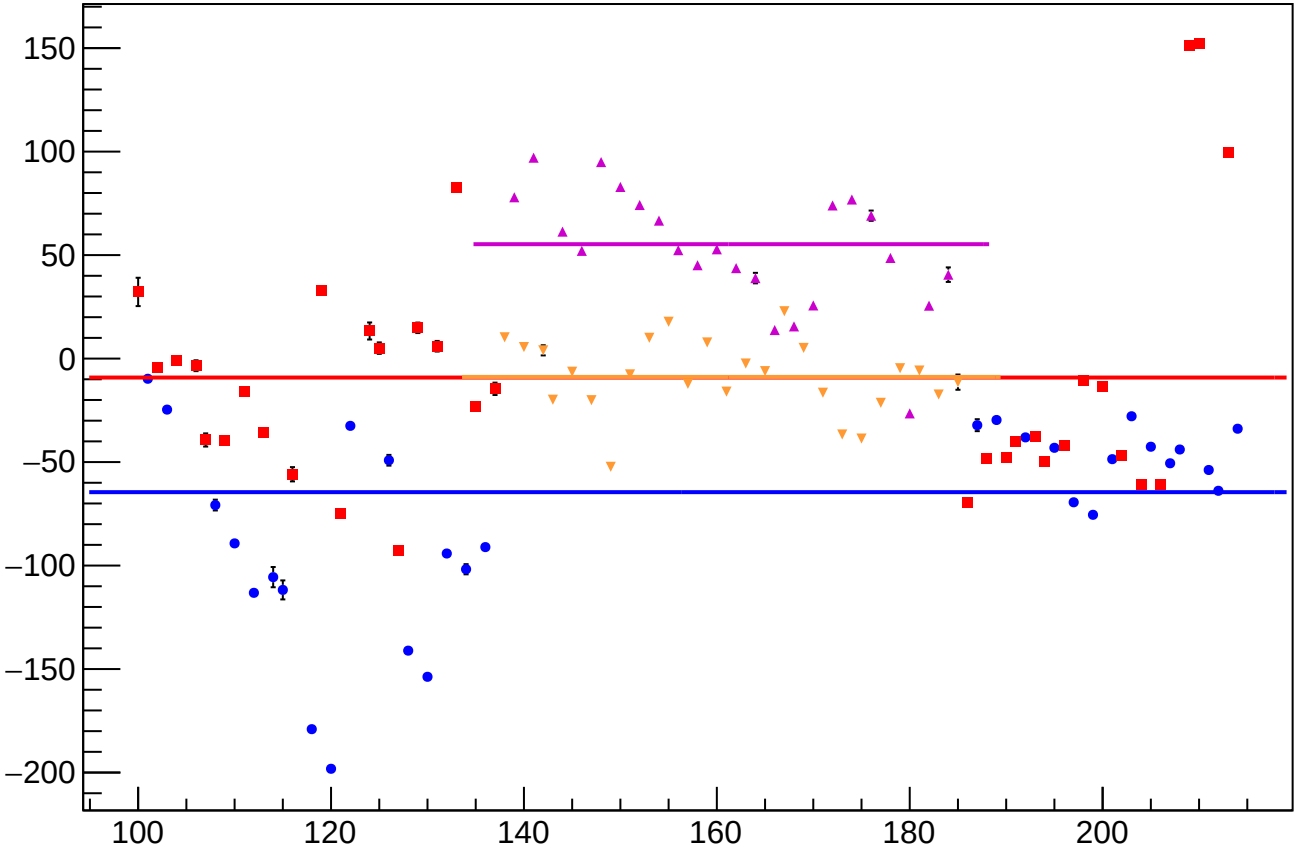
Right: 1410.156+/-0.165 χ^2/NDF: 1660647.9/63

In: 1380.111+/-0.162 χ^2/NDF:940306.2/52

Out: 1378.678+/-0.158 χ^2/NDF:999801.3/58

All: 1379.377+/-0.113 χ^2/NDF: 1940147.5/11

diff_bpm0i02aX_mean vs Slug, Sign Corrected



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

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

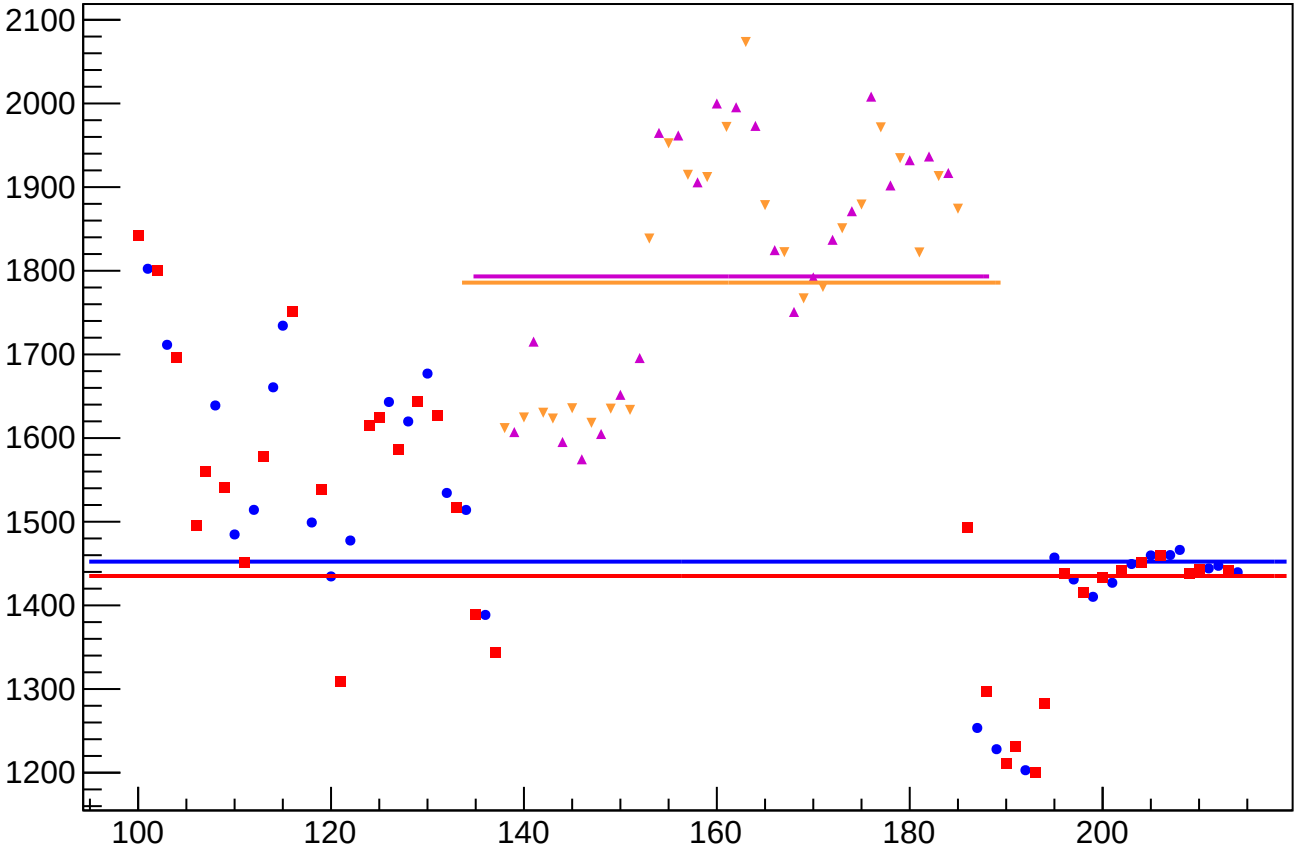
Right: -35.999+/-0.237 χ^2/NDF: 66202.7/63

In: -17.105+/-0.265 χ^2/NDF:68140.3/52

Out: -9.040+/-0.256 χ^2/NDF:40152.7/58

All: -12.947+/-0.184 χ^2/NDF: 108772.2/111

diff_bpm0i02aX_rms vs Slug, Sign Corrected



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

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

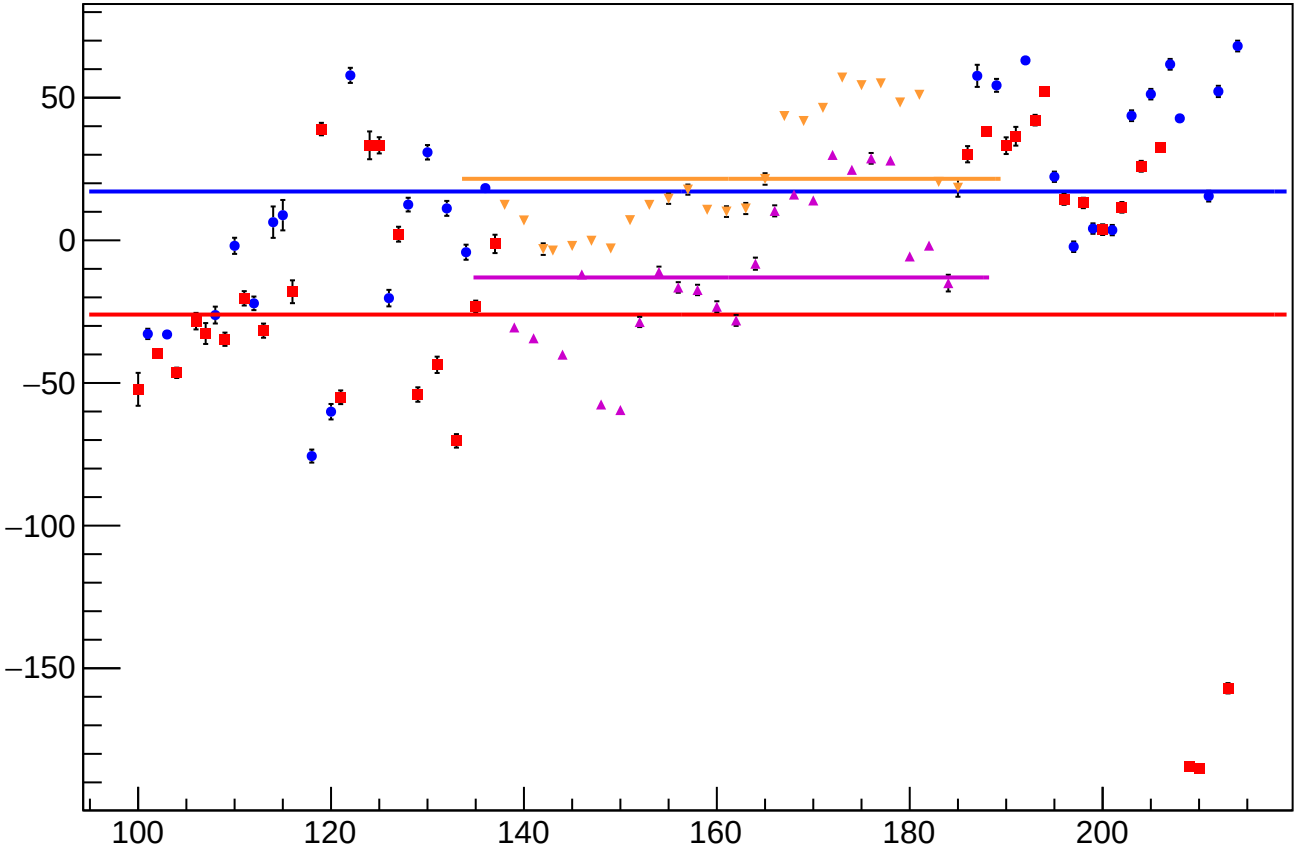
Right: 1443.454+/-0.168 χ^2/NDF: 615523.2/63

In: 1587.289+/-0.187 χ^2/NDF:1329051.6/52

Out: 1574.226+/-0.181 χ^2/NDF:1463463.4/58

All: 1580.554+/-0.130 χ^2/NDF: 2795028.8/11

diff_bpm0i02aY_mean vs Slug, Sign Corrected



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

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

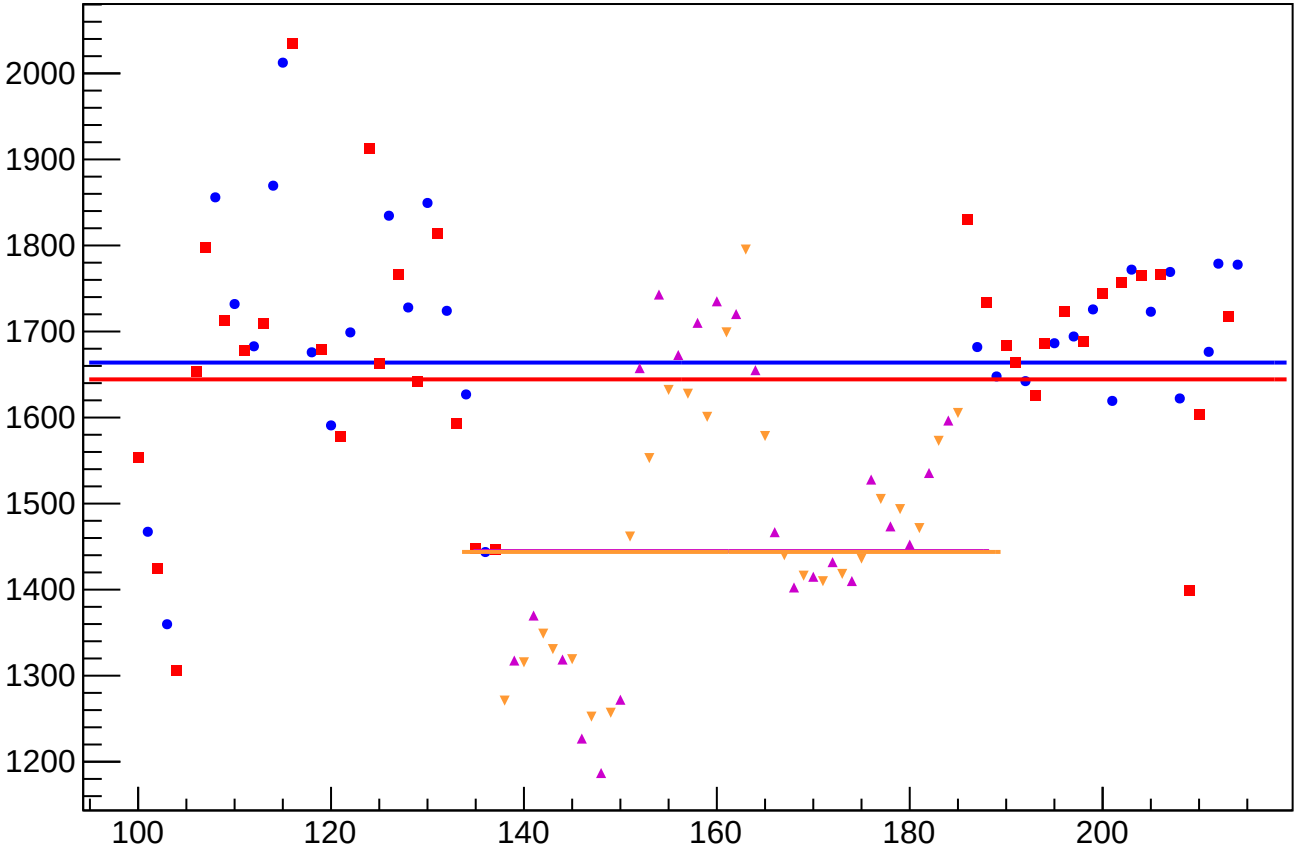
Right: -5.109+/-0.272 χ^2/NDF: 51020.8/63

In: -0.005+/-0.256 χ^2/NDF:18819.0/52

Out: 1.015+/-0.249 χ^2/NDF:49064.7/58

All: 0.521+/-0.178 χ^2/NDF: 67892.0/111

diff_bpm0i02aY_rms vs Slug, Sign Corrected



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

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

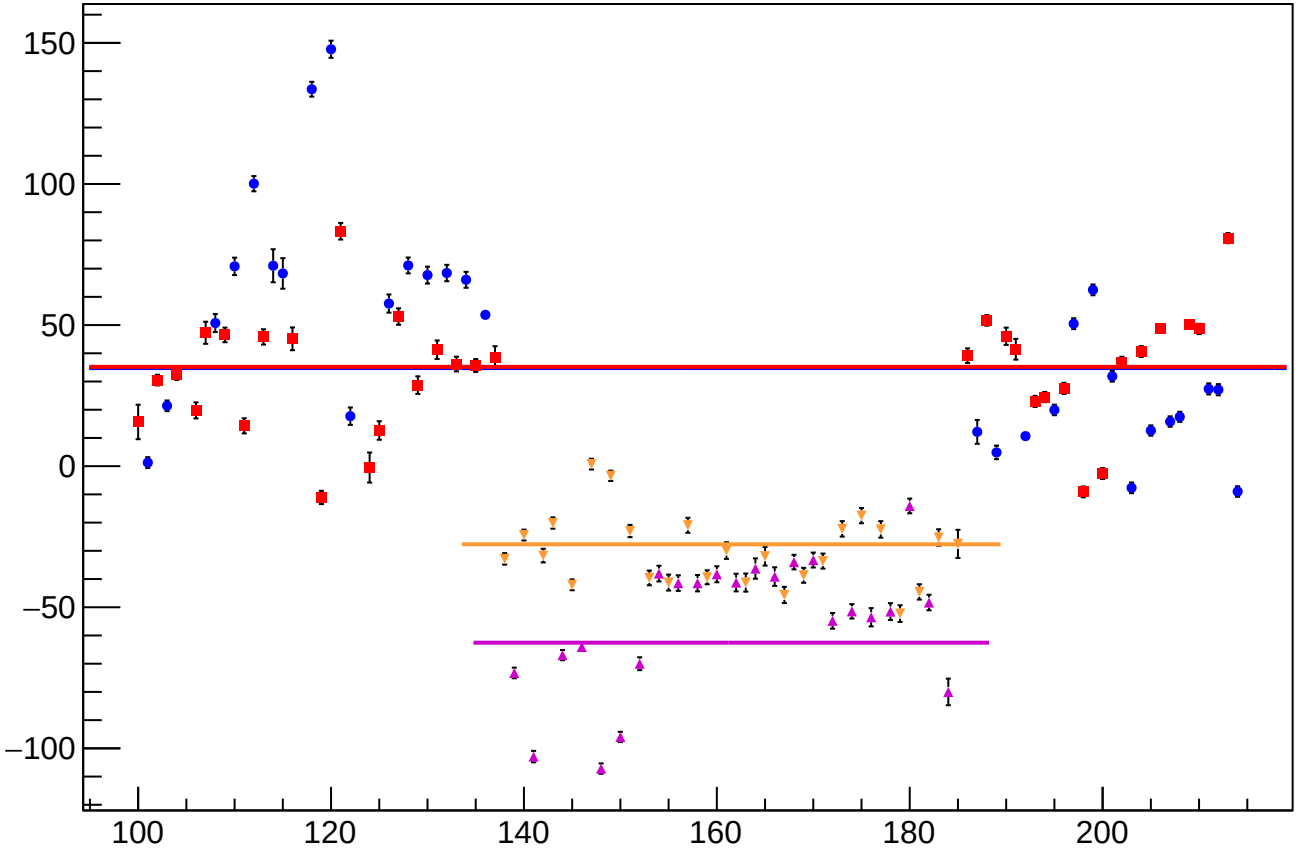
Right: 1653.831+/-0.192 χ^2/NDF: 487629.8/63

In: 1539.393+/-0.181 χ^2/NDF:1047446.5/52

Out: 1530.436+/-0.176 χ^2/NDF:952769.5/58

All: 1534.778+/-0.126 χ^2/NDF: 2001474.0/11

diff_bpm0i05X_mean vs Slug, Sign Corrected



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

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

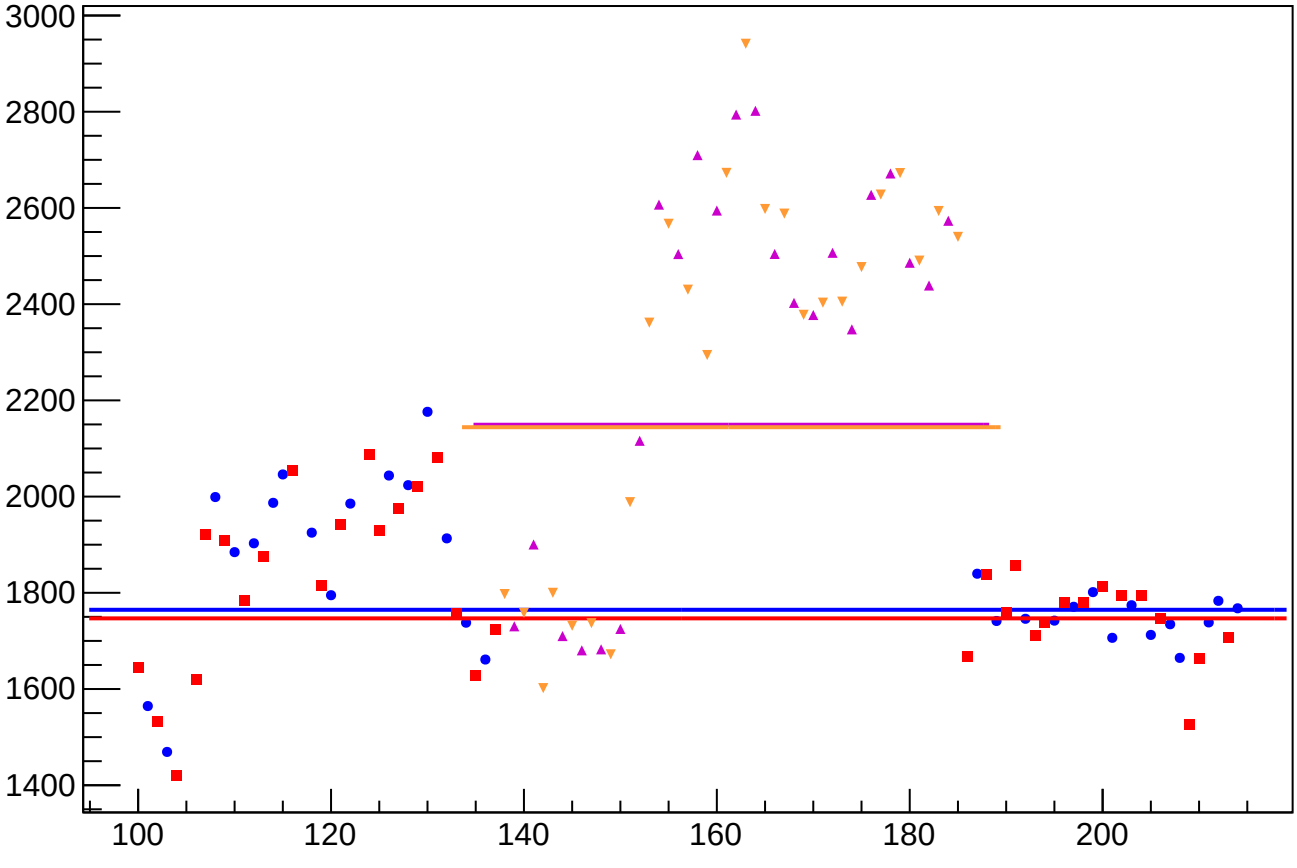
Right: 34.983+/-0.288 χ^2/NDF: 9743.4/63

In: -3.687+/-0.322 χ^2/NDF:31186.2/52

Out: 10.289+/-0.312 χ^2/NDF:13365.2/58

All: 3.511+/-0.224 χ^2/NDF: 45523.7/111

diff_bpm0i05X_rms vs Slug, Sign Corrected



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

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

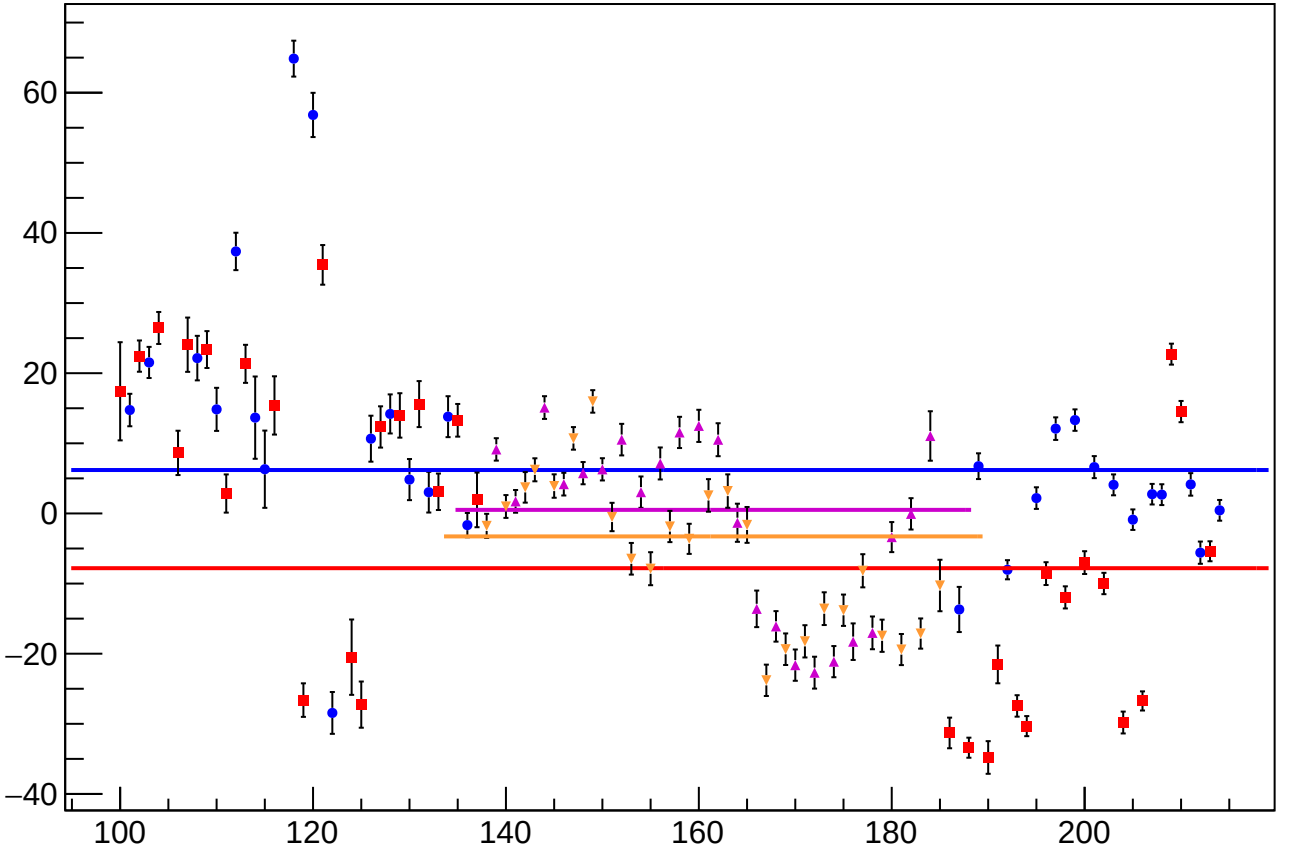
Right: 1755.514+/-0.204 χ^2/NDF: 459133.7/63

In: 1916.688+/-0.227 χ^2/NDF:2159717.4/52

Out: 1904.189+/-0.221 χ^2/NDF:2301848.3/58

All: 1910.251+/-0.158 χ^2/NDF: 4463120.9/11

diff_bpm0i05Y_mean vs Slug, Sign Corrected



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

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

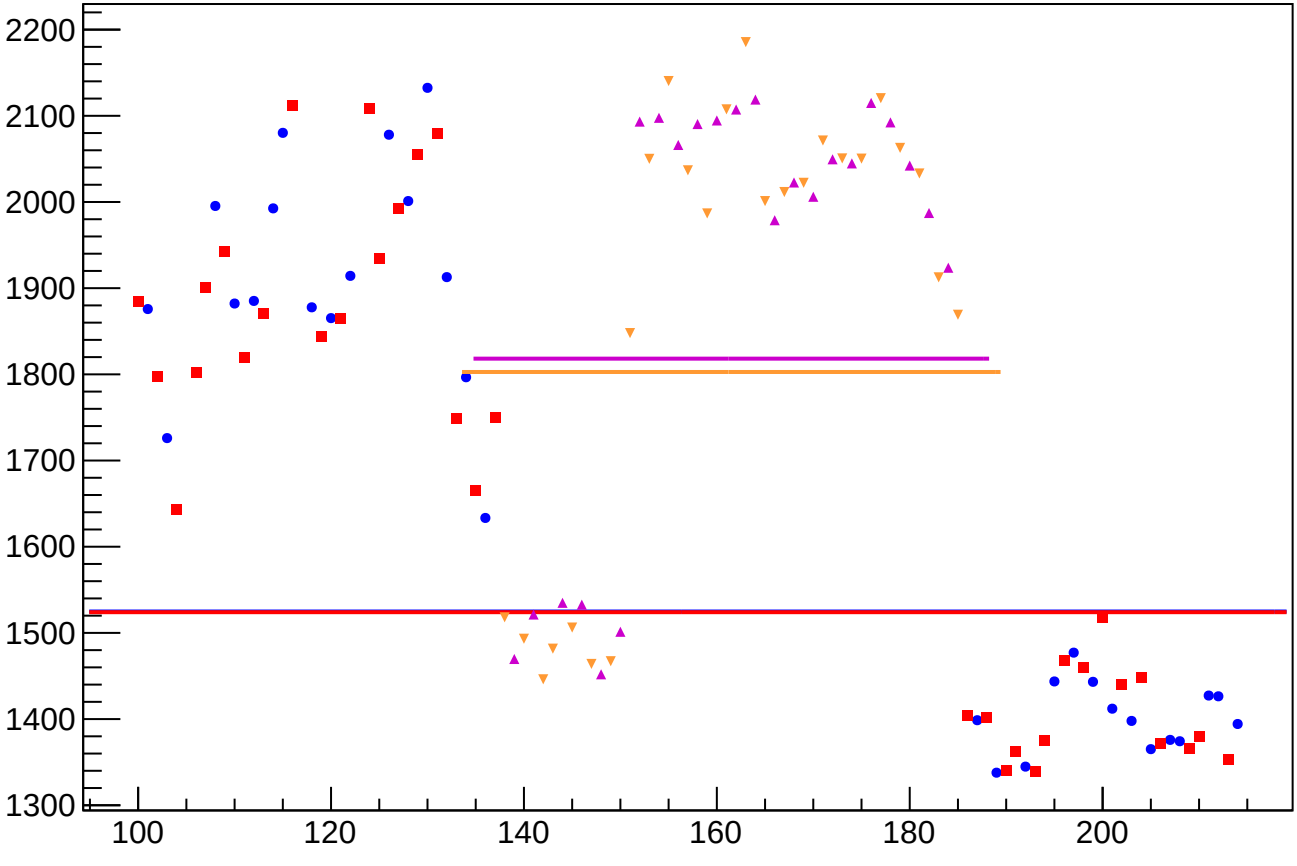
Right: -0.950+/-0.252 χ^2/NDF: 5712.1/63

In: 3.850+/-0.276 χ^2/NDF:2334.3/52

Out: -5.904+/-0.269 χ^2/NDF:4195.2/58

All: -1.158+/-0.192 χ^2/NDF: 7170.9/111

diff_bpm0i05Y_rms vs Slug, Sign Corrected



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

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

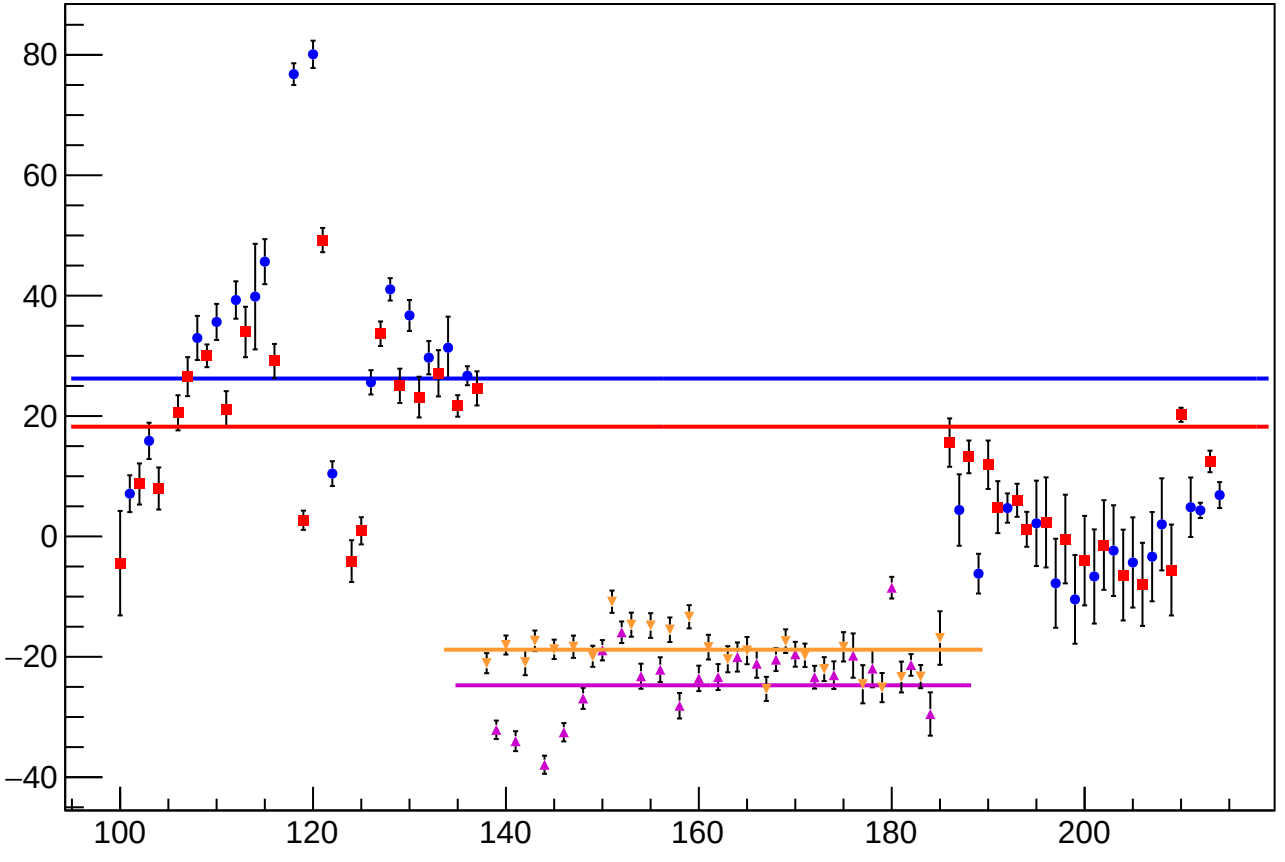
Right: 1524.410+/-0.178 χ^2/NDF: 1489144.5/63

In: 1645.773+/-0.195 χ^2/NDF:2140876.5/52

Out: 1641.037+/-0.190 χ^2/NDF:2158198.2/58

All: 1643.341+/-0.136 χ^2/NDF: 4299377.1/11

diff_bpm0i07X_mean vs Slug, Sign Corrected



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

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

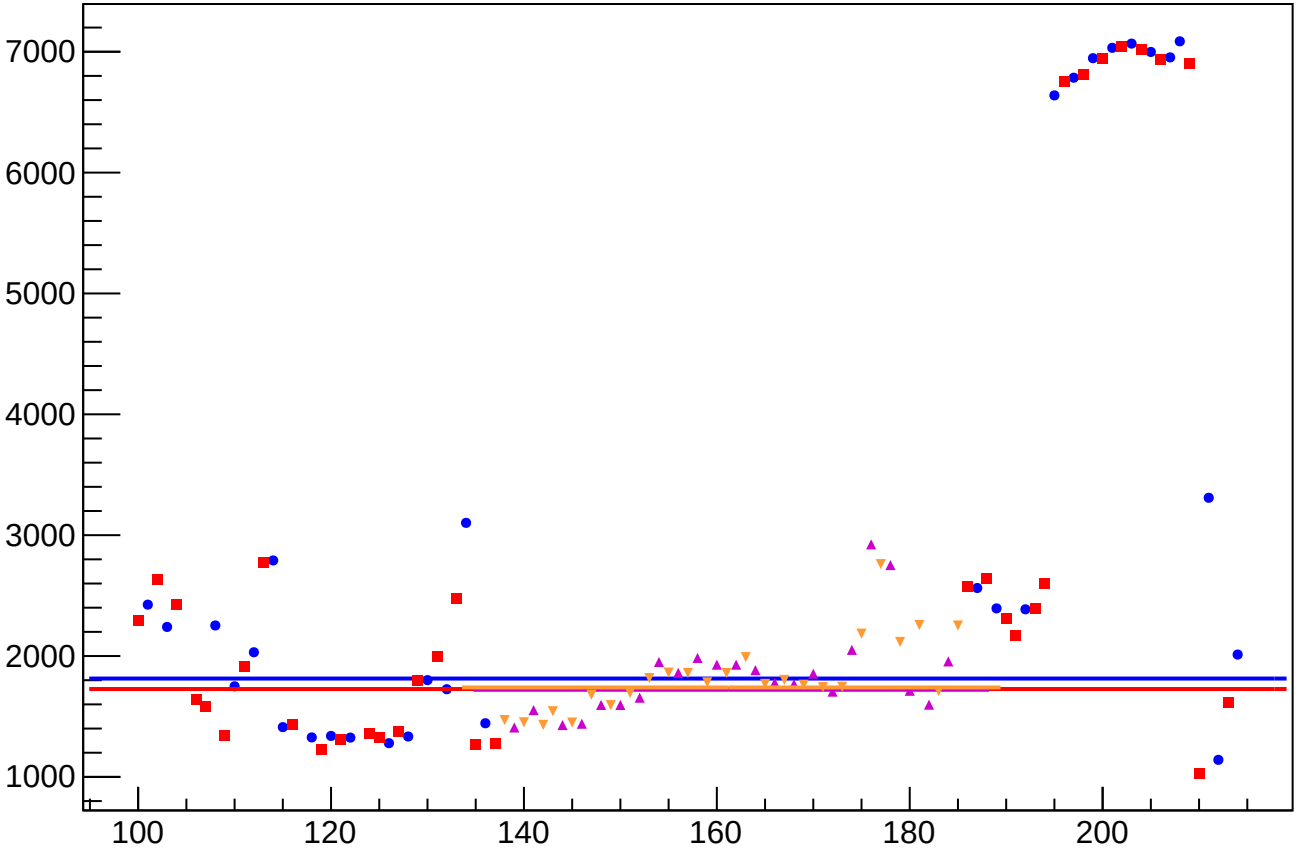
Right: 21.905+/-0.344 χ^2/NDF: 3204.7/63

In: -4.666+/-0.318 χ^2/NDF:8743.0/52

Out: -3.066+/-0.305 χ^2/NDF:4441.6/58

All: -3.831+/-0.220 χ^2/NDF: 13197.8/111

diff_bpm0i07X_rms vs Slug, Sign Corrected



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

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

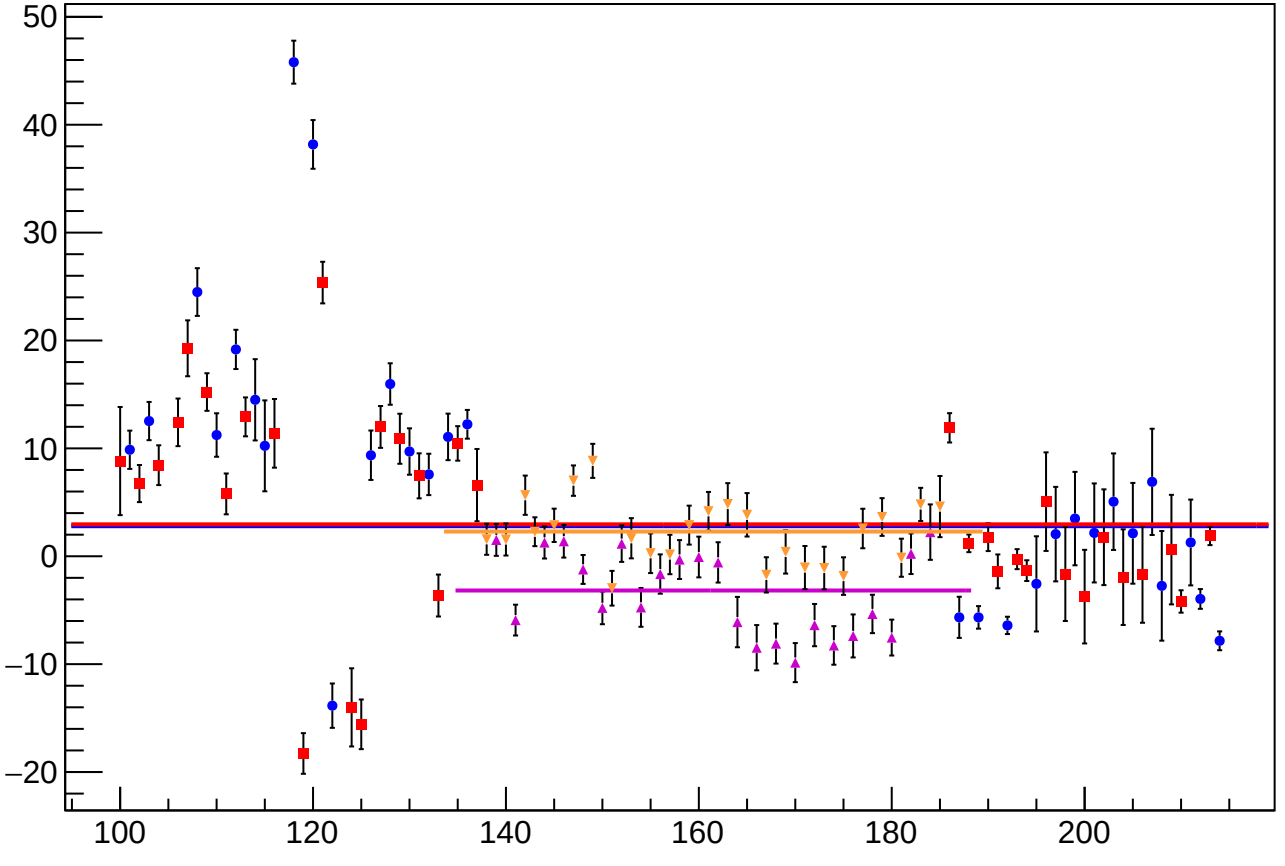
Right: 1766.879+/-0.243 χ^2/NDF: 19074422.7/63

In: 1757.433+/-0.225 χ^2/NDF:10478990.1/52

Out: 1734.564+/-0.215 χ^2/NDF:10242777.9/58

All: 1745.501+/-0.156 χ^2/NDF: 20727154.9/1

diff_bpm0i07Y_mean vs Slug, Sign Corrected



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

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

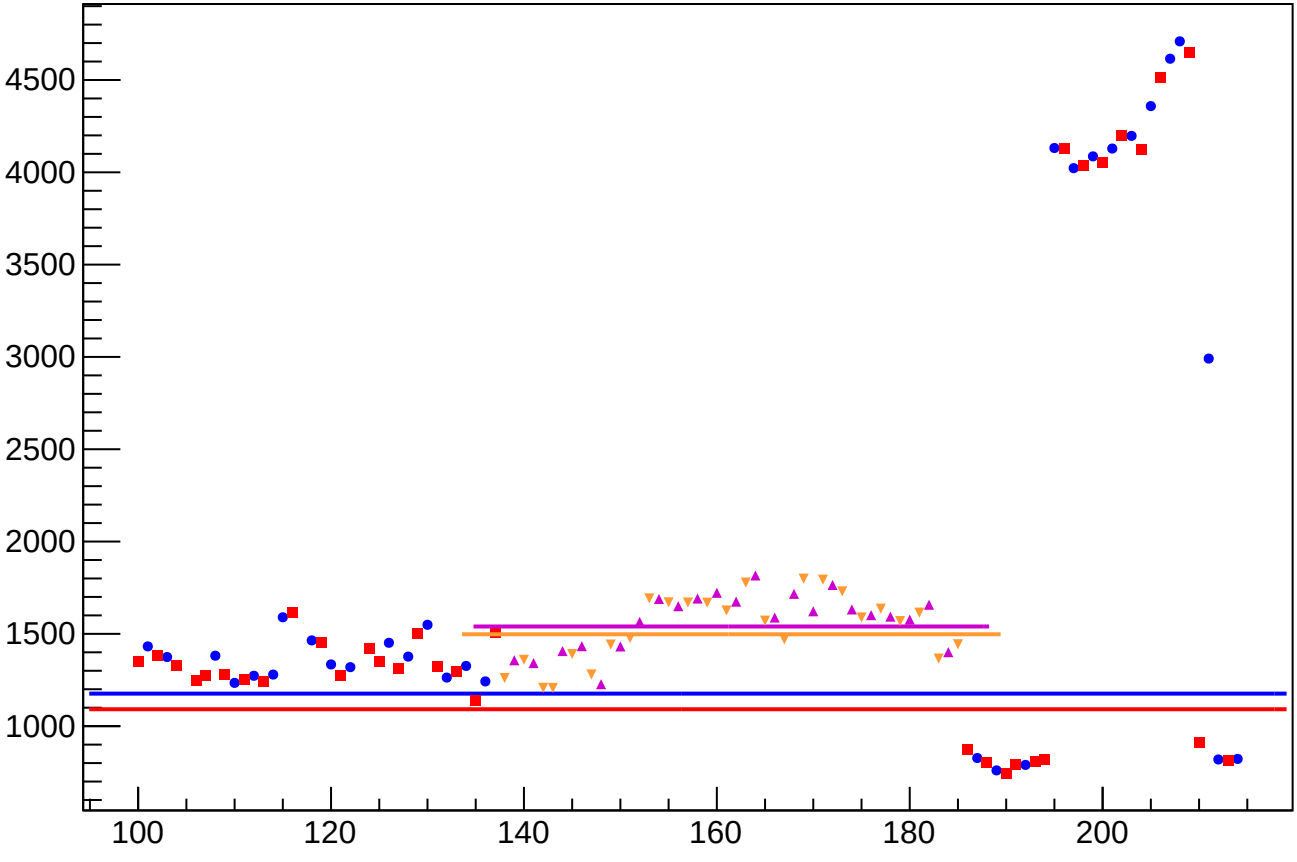
Right: 2.882+/-0.214 χ^2/NDF: 2318.8/63

In: 0.153+/-0.241 χ^2/NDF:1851.9/52

Out: 2.686+/-0.220 χ^2/NDF:803.7/58

All: 1.534+/-0.162 χ^2/NDF: 2715.9/111

diff_bpm0i07Y_rms vs Slug, Sign Corrected



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

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

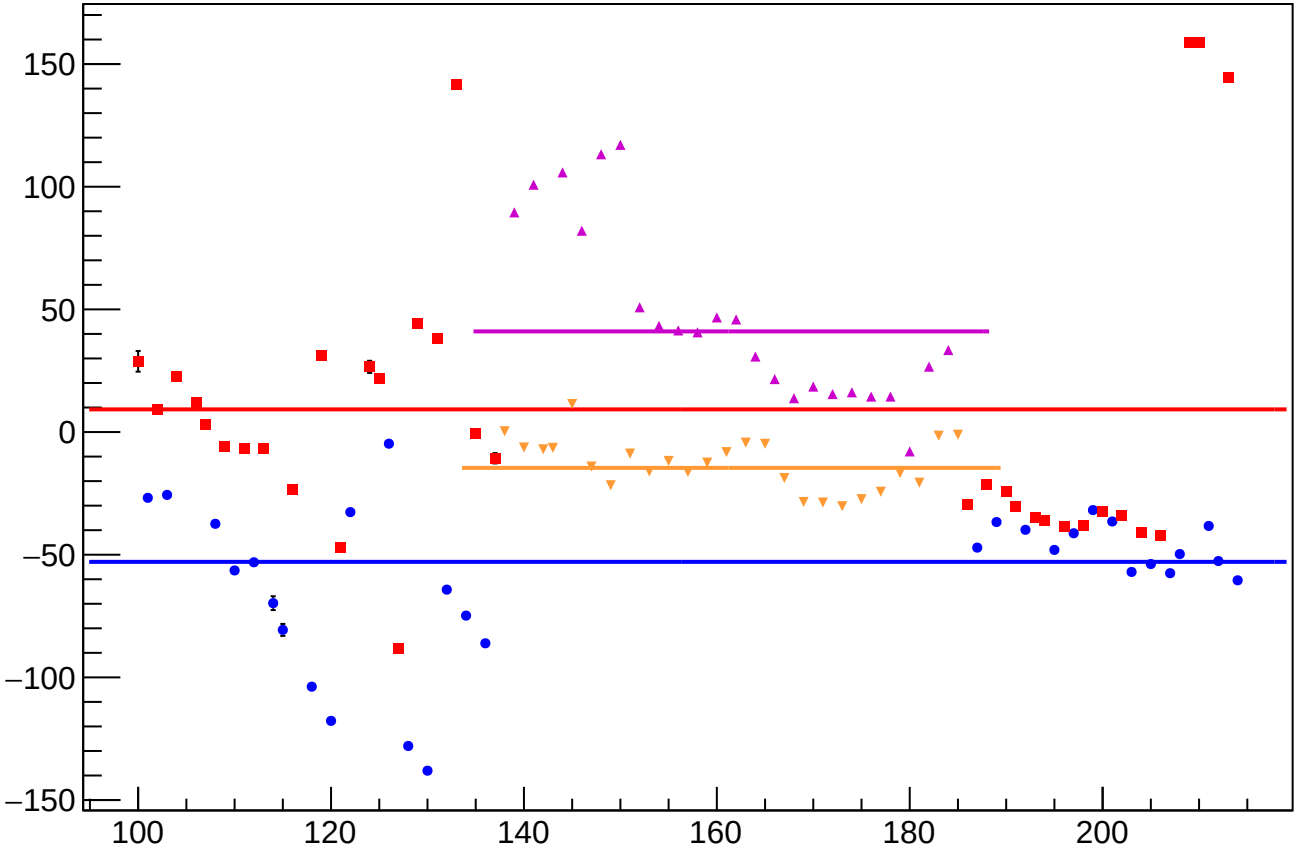
Right: 1128.970+/-0.151 χ^2/NDF: 17968417.1/63

In: 1336.921+/-0.170 χ^2/NDF:10957751.6/52

Out: 1258.168+/-0.156 χ^2/NDF:10655252.3/58

All: 1293.968+/-0.115 χ^2/NDF: 21729569.3/1

diff_bpm1i02X_mean vs Slug, Sign Corrected



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

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

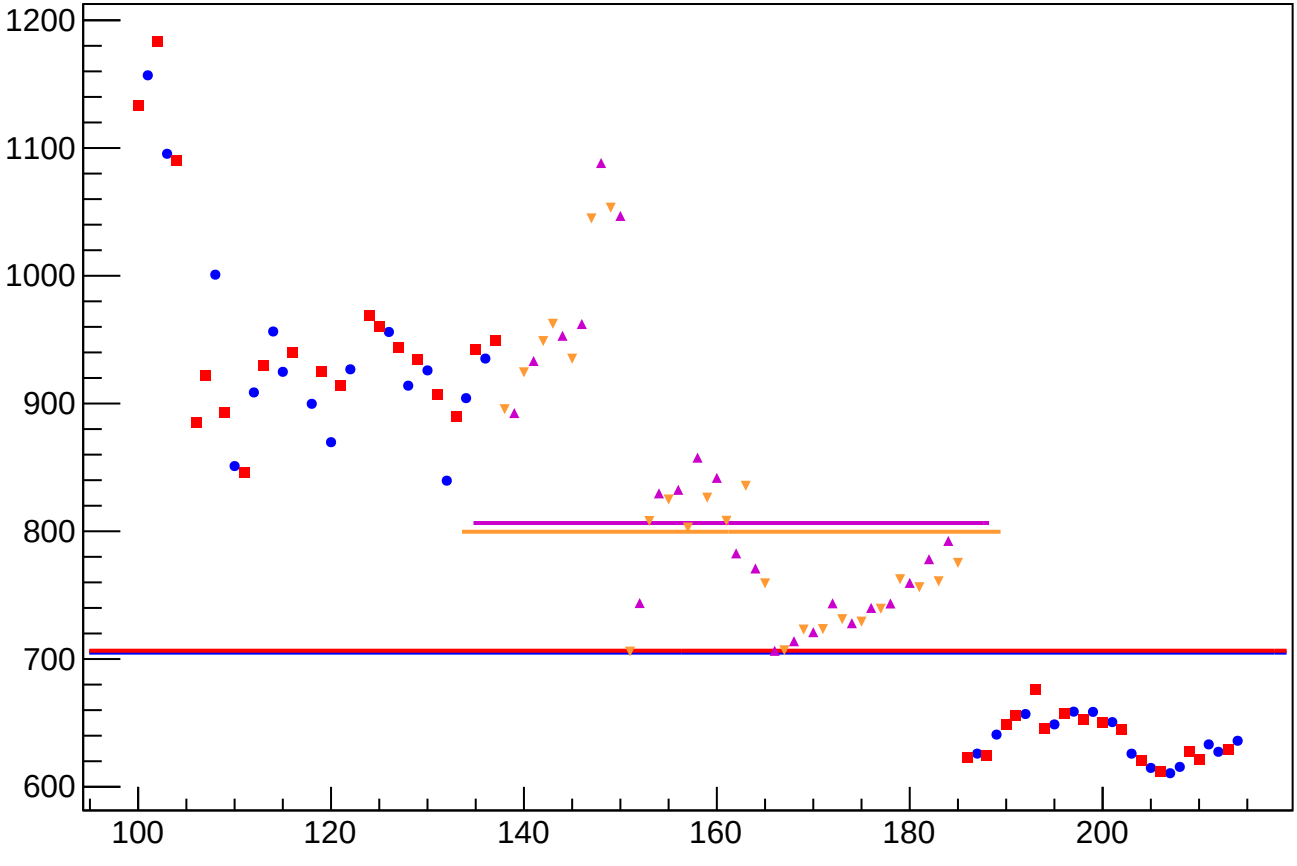
Right: -21.297+/-0.117 χ^2/NDF: 287930.0/63

In: -11.769+/-0.126 χ^2/NDF:187123.2/52

Out: -1.427+/-0.122 χ^2/NDF:212088.8/58

All: -6.464+/-0.088 χ^2/NDF: 402689.6/111

diff_bpm1i02X_rms vs Slug, Sign Corrected



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

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

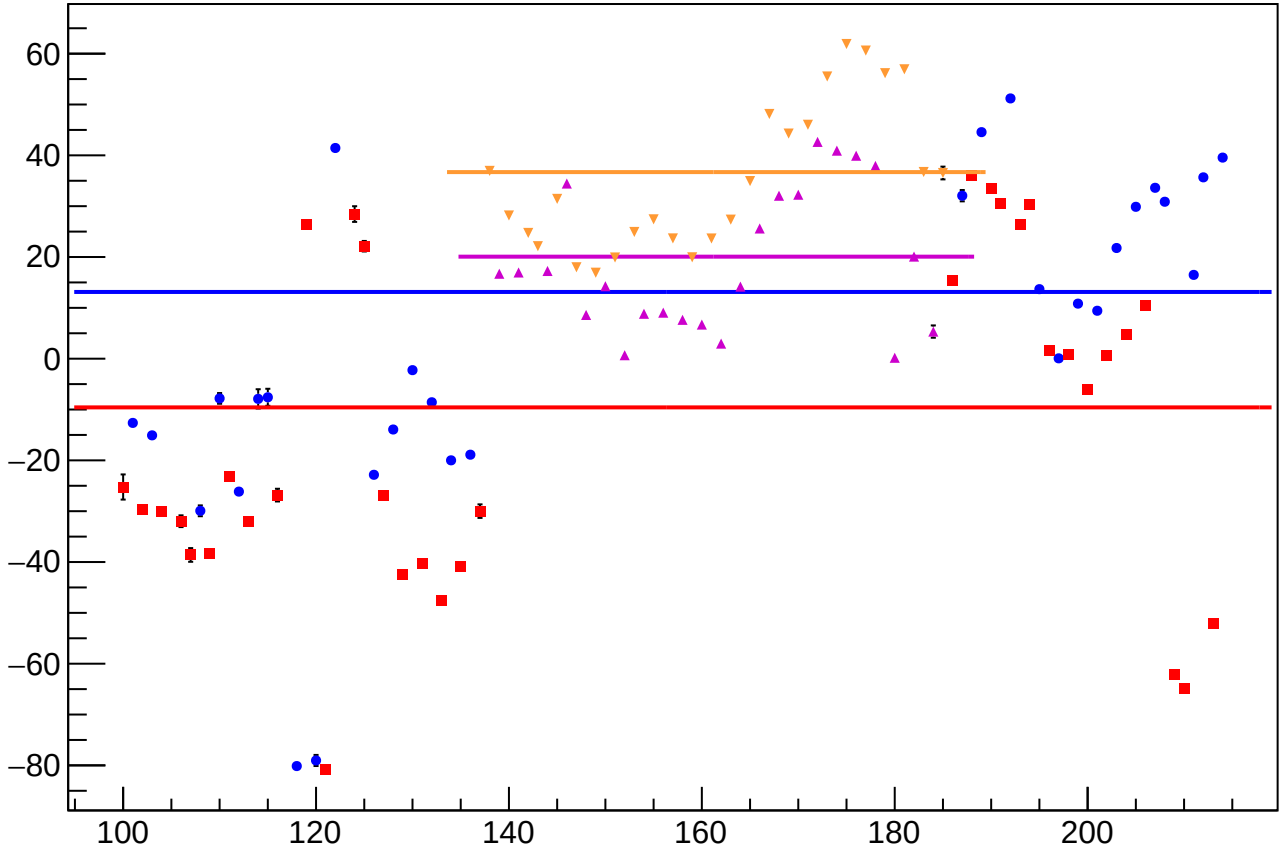
Right: 705.784+/-0.083 χ^2/NDF: 2587776.4/63

In: 749.453+/-0.089 χ^2/NDF:2098231.3/52

Out: 748.202+/-0.087 χ^2/NDF:2105686.2/58

All: 748.812+/-0.062 χ^2/NDF: 4204019.3/111

diff_bpm1i02Y_mean vs Slug, Sign Corrected



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

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

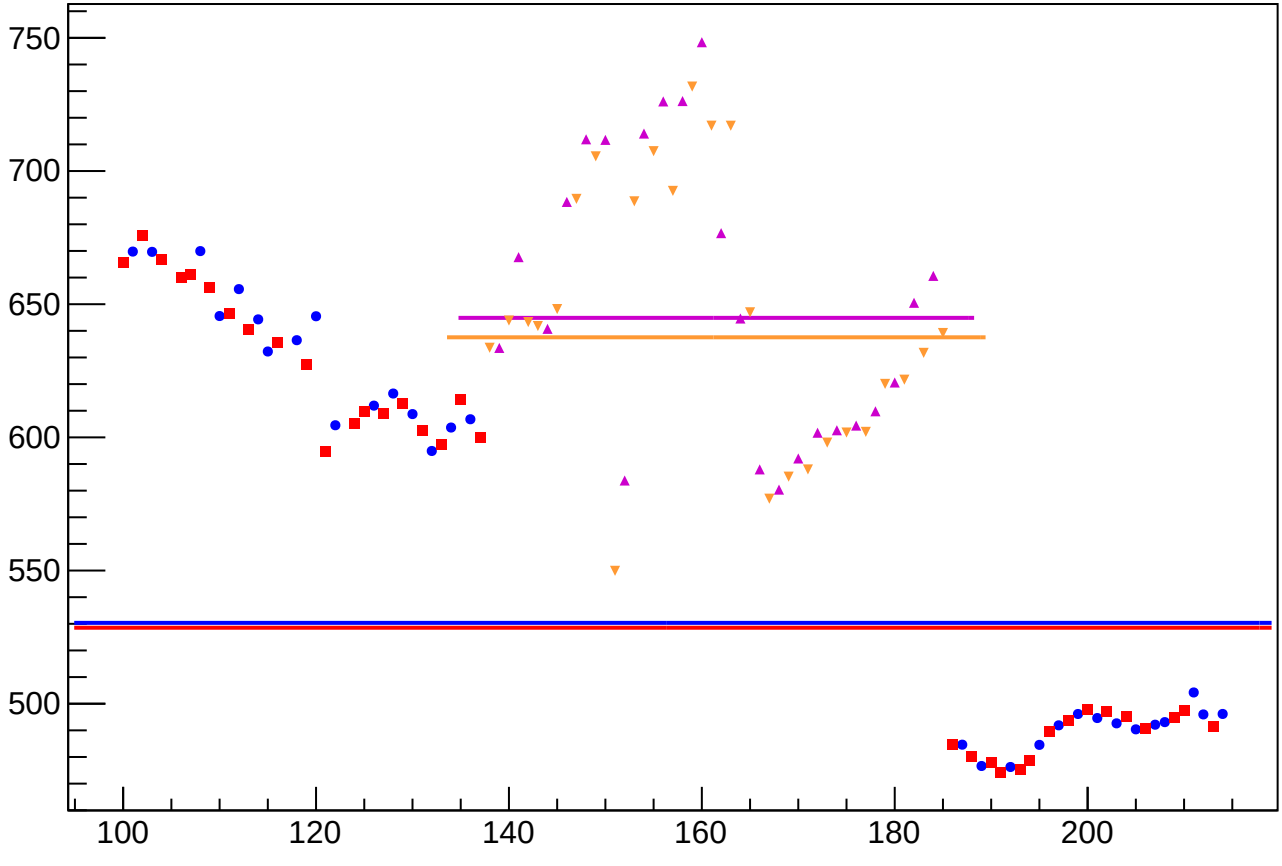
Right: 1.515+/-0.087 χ^2/NDF: 142369.1/63

In: 15.937+/-0.096 χ^2/NDF:60160.9/52

Out: 9.524+/-0.093 χ^2/NDF:144790.0/58

All: 12.636+/-0.067 χ^2/NDF: 207237.7/111

diff_bpm1i02Y_rms vs Slug, Sign Corrected



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

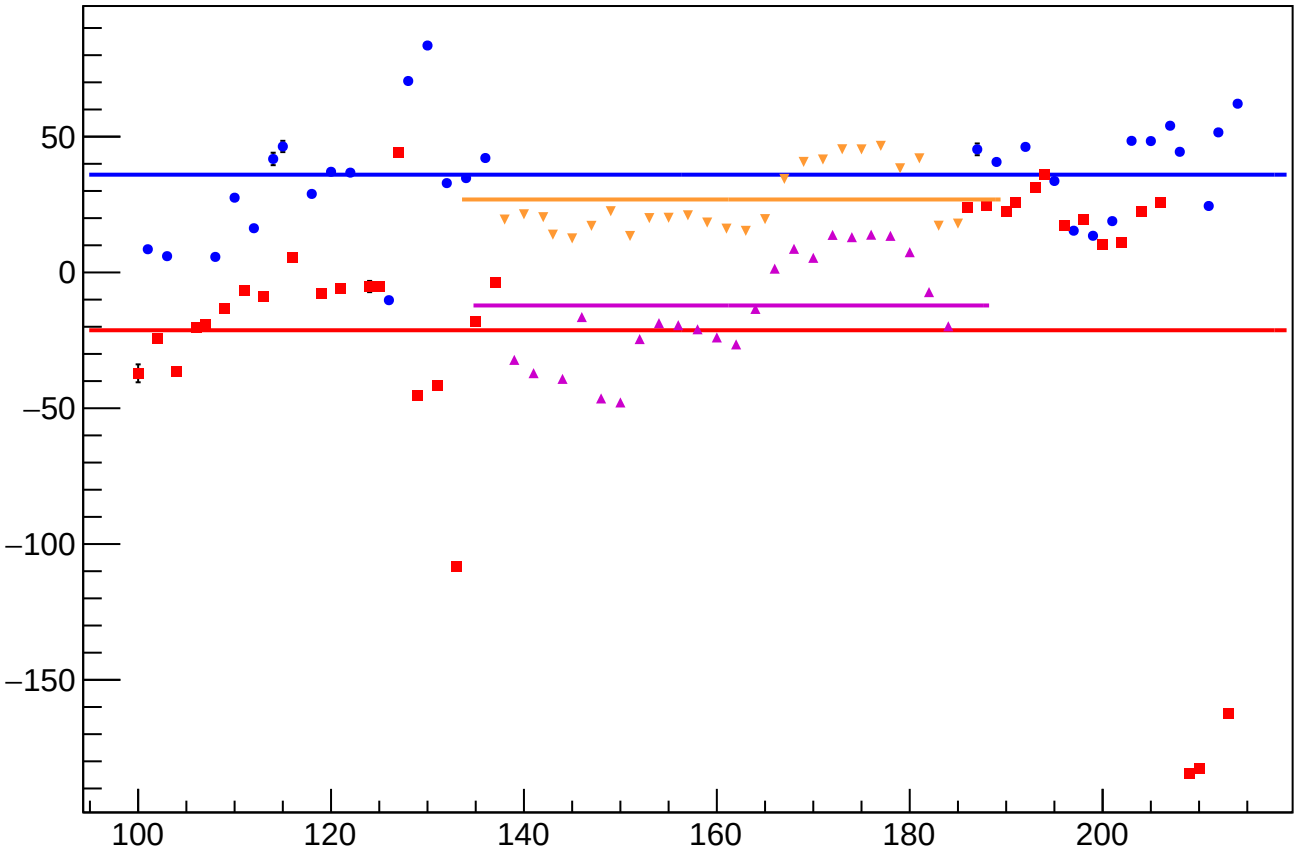
Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

Right: 529.427+/-0.062 χ^2/NDF: 1102647.7/63

In: 576.716+/-0.068 χ^2/NDF:1445095.1/52

Out: 573.539+/-0.066 χ^2/NDF:1466121.1/58

All: 575.081+/-0.047 χ^2/NDF: 2912338.9/111



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

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

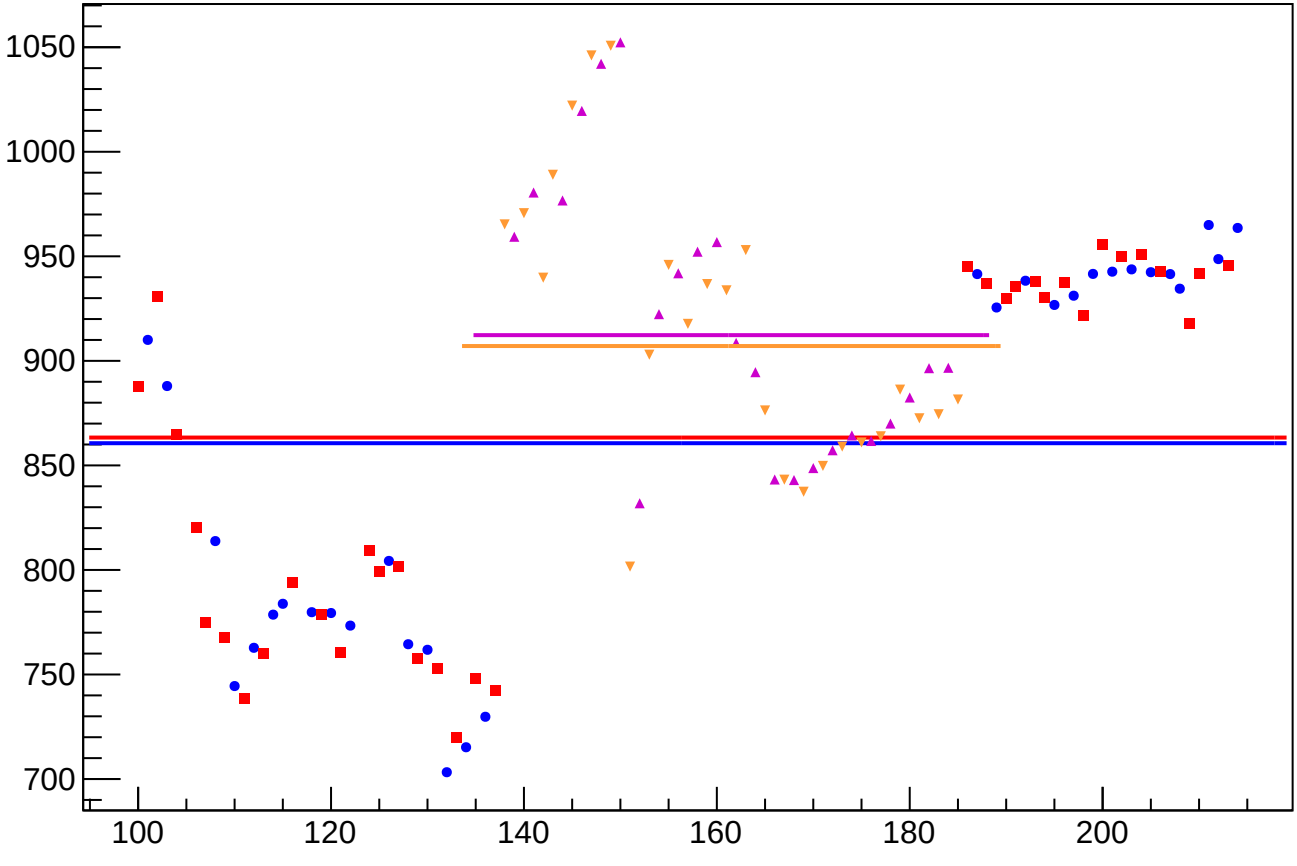
Right: 6.867+/-0.142 χ^2/NDF: 153562.8/63

In: 13.261+/-0.147 χ^2/NDF:45186.0/52

Out: 1.841+/-0.143 χ^2/NDF:134478.2/58

All: 7.409+/-0.103 χ^2/NDF: 182763.8/111

diff_bpm1i04X_rms vs Slug, Sign Corrected



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

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

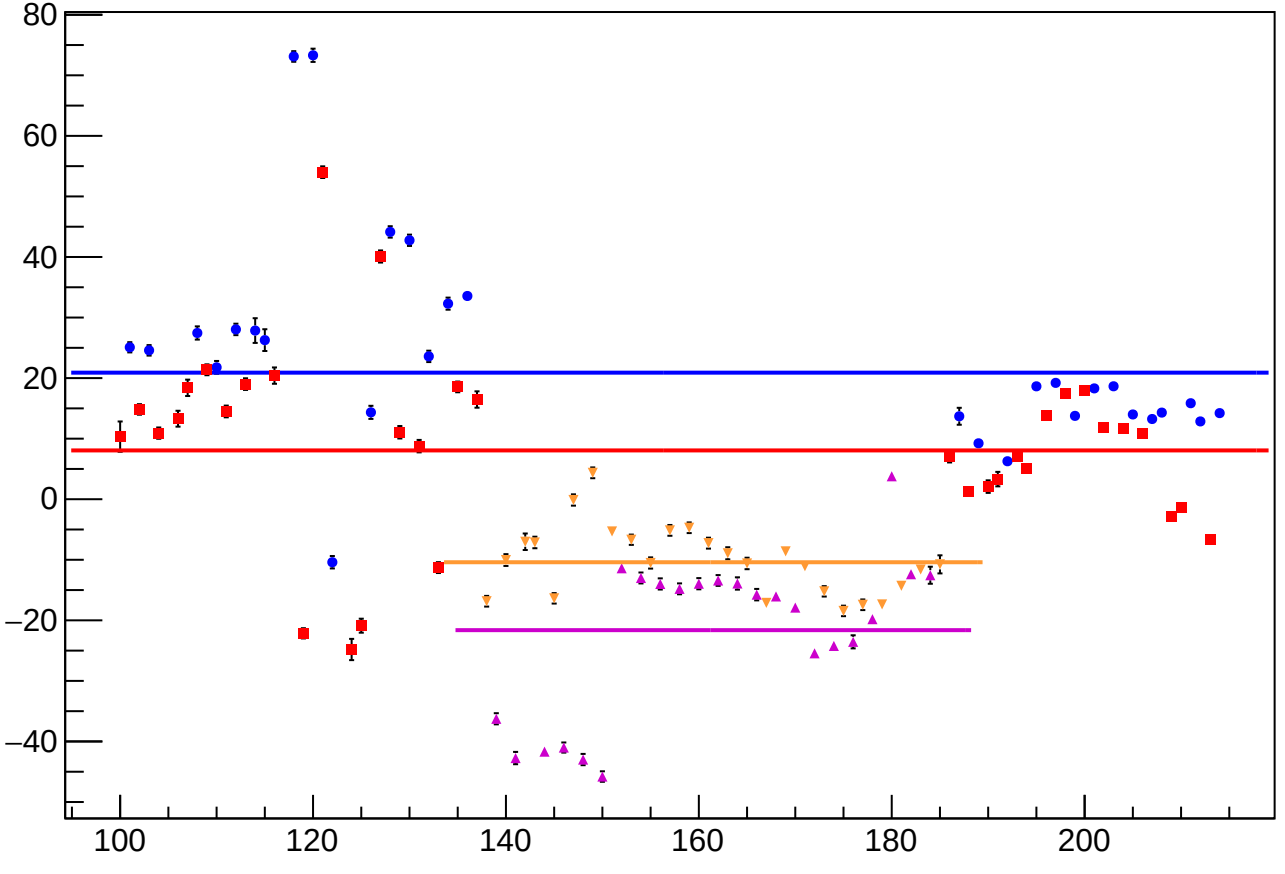
Right: 861.989+/-0.100 χ^2/NDF: 793887.9/63

In: 885.018+/-0.104 χ^2/NDF:652816.3/52

Out: 884.339+/-0.101 χ^2/NDF:618602.1/58

All: 884.670+/-0.072 χ^2/NDF: 1271440.3/111

diff_bpm1i04Y_mean vs Slug, Sign Corrected



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

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

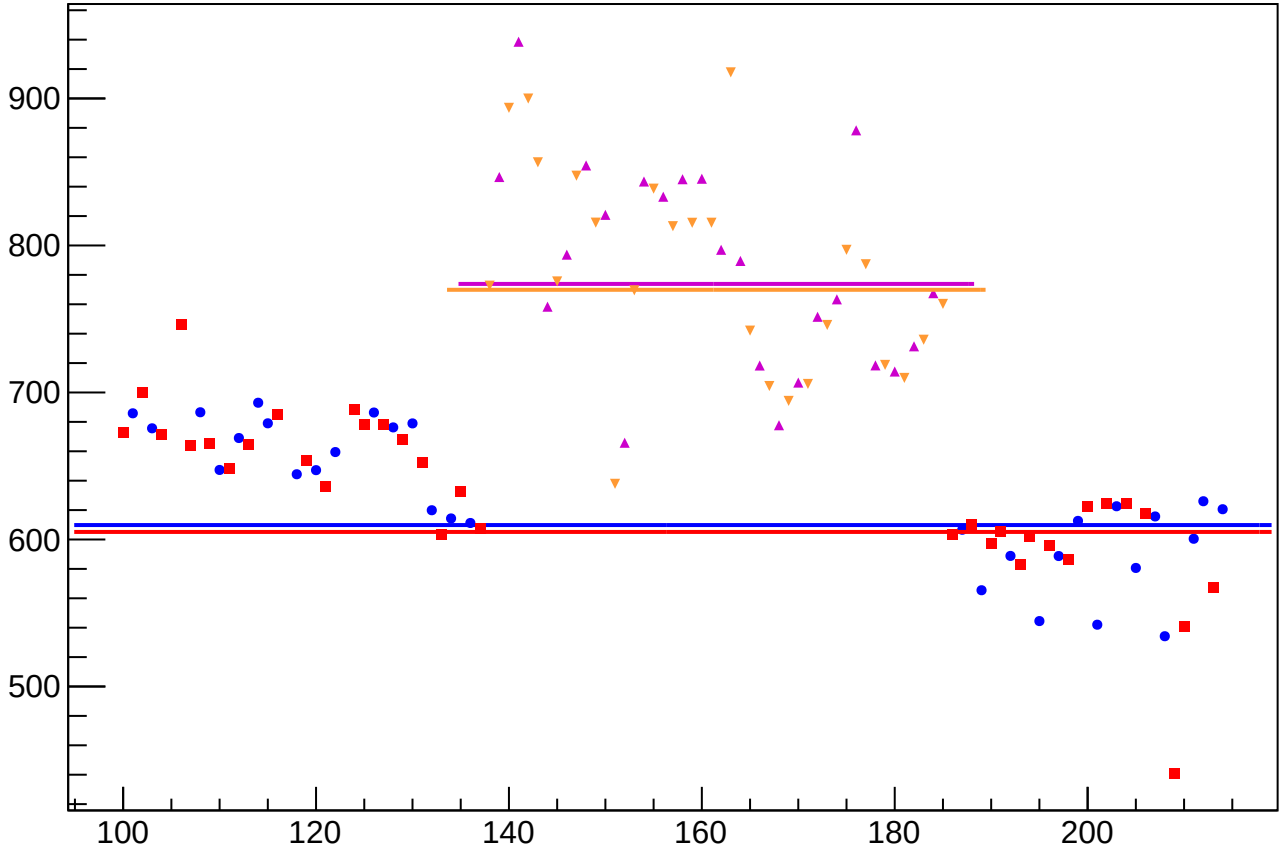
Right: 14.313+/-0.100 χ^2/NDF: 23418.3/63

In: 4.631+/-0.113 χ^2/NDF:49307.9/52

Out: 0.929+/-0.109 χ^2/NDF:16750.5/58

All: 2.727+/-0.078 χ^2/NDF: 66614.9/111

diff_bpm1i04Y_rms vs Slug, Sign Corrected



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

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

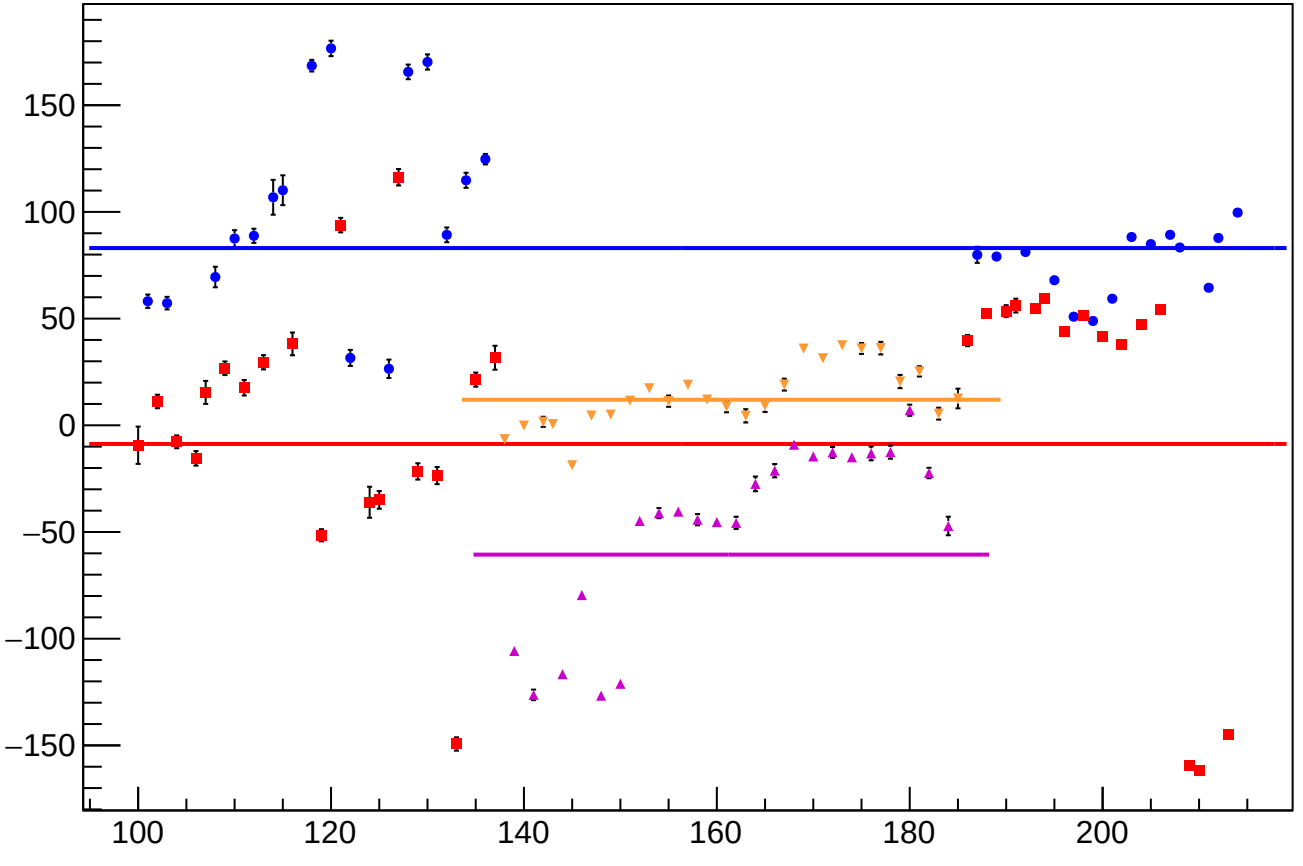
Right: 607.419+/-0.071 χ^2/NDF: 606253.3/63

In: 672.577+/-0.080 χ^2/NDF:1482960.8/52

Out: 668.728+/-0.077 χ^2/NDF:1788593.6/58

All: 670.598+/-0.055 χ^2/NDF: 3272758.0/11

diff_bpm1i06X_mean vs Slug, Sign Corrected



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

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

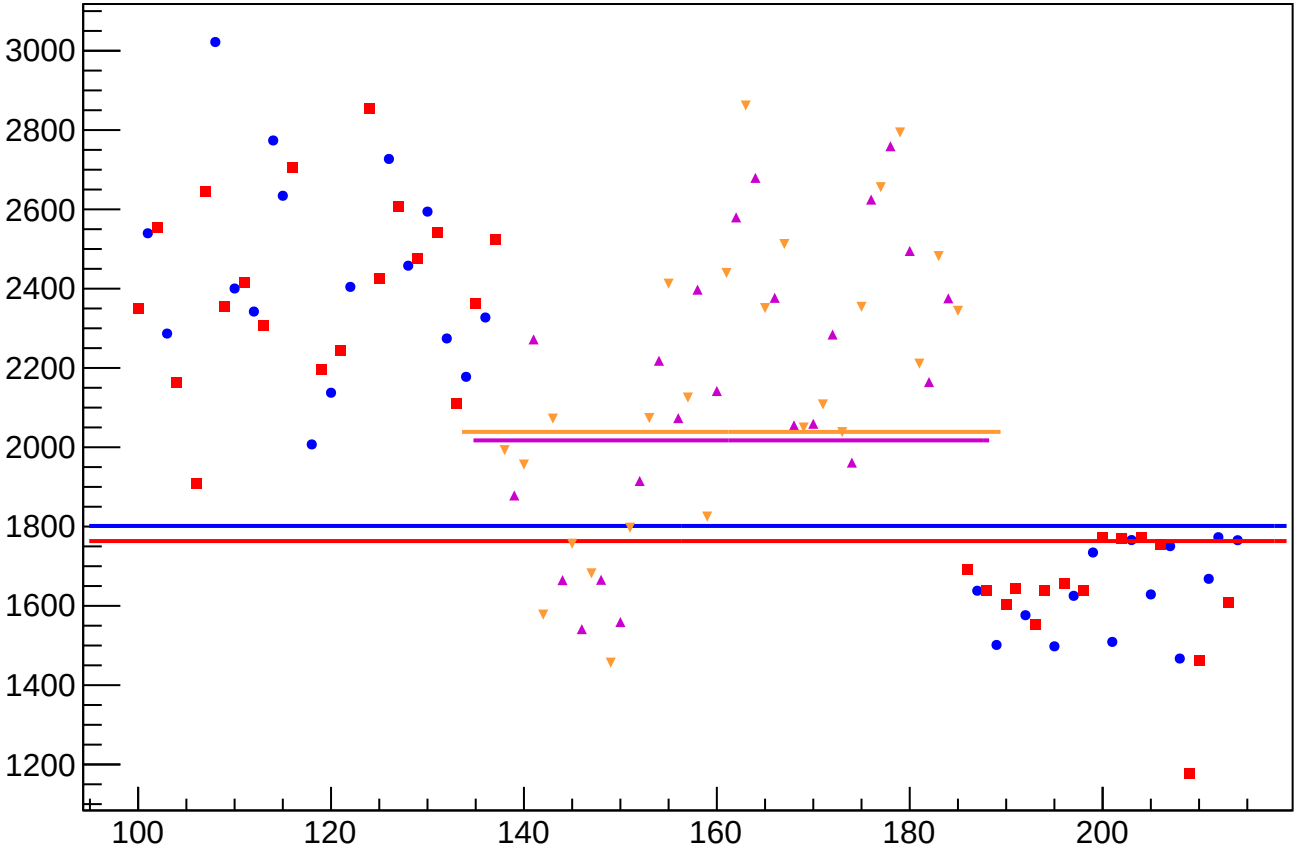
Right: 35.372+/-0.298 χ^2/NDF: 73021.0/63

In: 19.148+/-0.321 χ^2/NDF:63051.5/52

Out: 0.284+/-0.311 χ^2/NDF:46562.1/58

All: 9.429+/-0.223 χ^2/NDF: 111395.4/111

diff_bpm1i06X_rms vs Slug, Sign Corrected



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

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

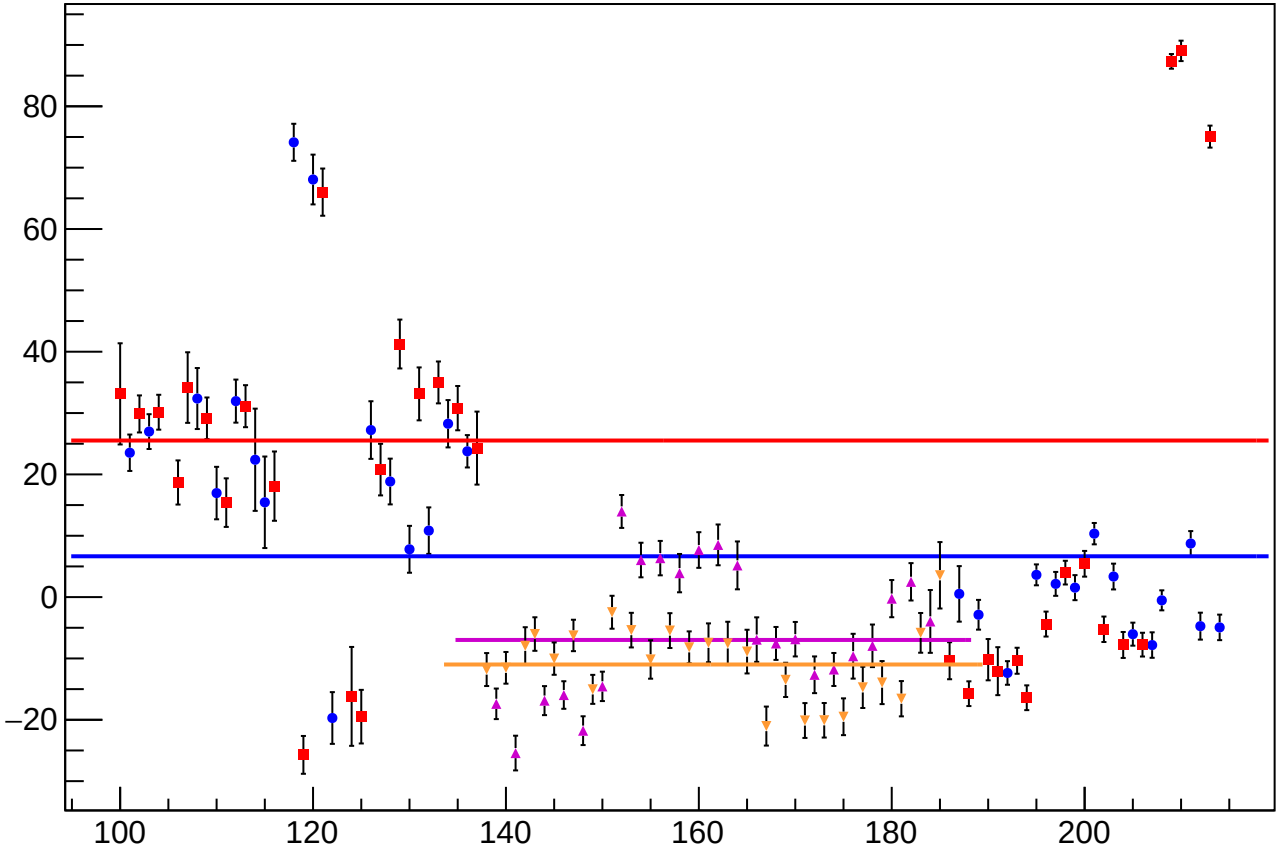
Right: 1781.747+/-0.211 χ^2/NDF: 2904217.2/63

In: 1897.554+/-0.227 χ^2/NDF:2571631.1/52

Out: 1883.307+/-0.220 χ^2/NDF:3106571.0/58

All: 1890.213+/-0.158 χ^2/NDF: 5680235.2/11

diff_bpm1i06Y_mean vs Slug, Sign Corrected



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

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

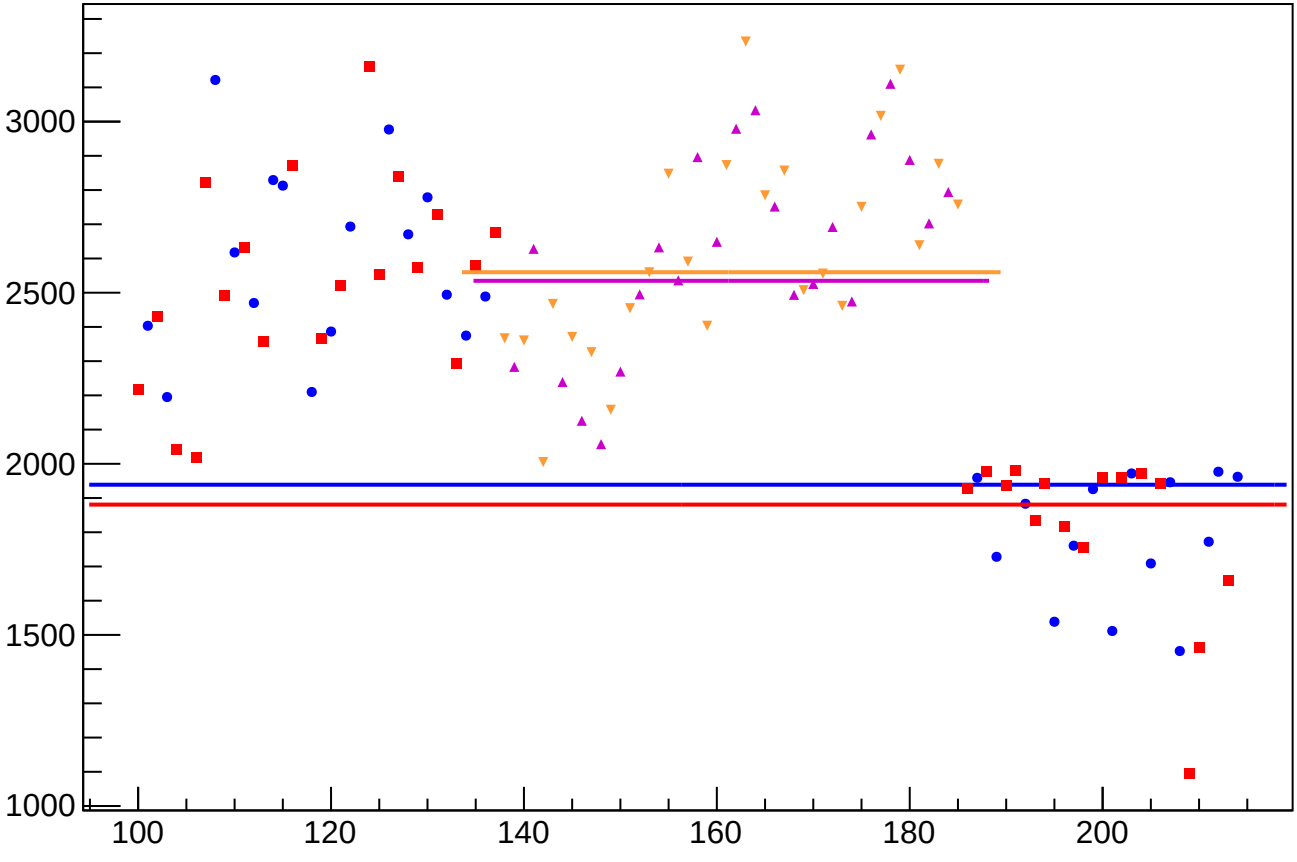
Right: 16.509+/-0.322 χ^2/NDF: 10353.8/63

In: 1.505+/-0.368 χ^2/NDF:2018.0/52

Out: 12.143+/-0.355 χ^2/NDF:10689.4/58

All: 7.015+/-0.255 χ^2/NDF: 13141.0/111

diff_bpm1i06Y_rms vs Slug, Sign Corrected



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

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

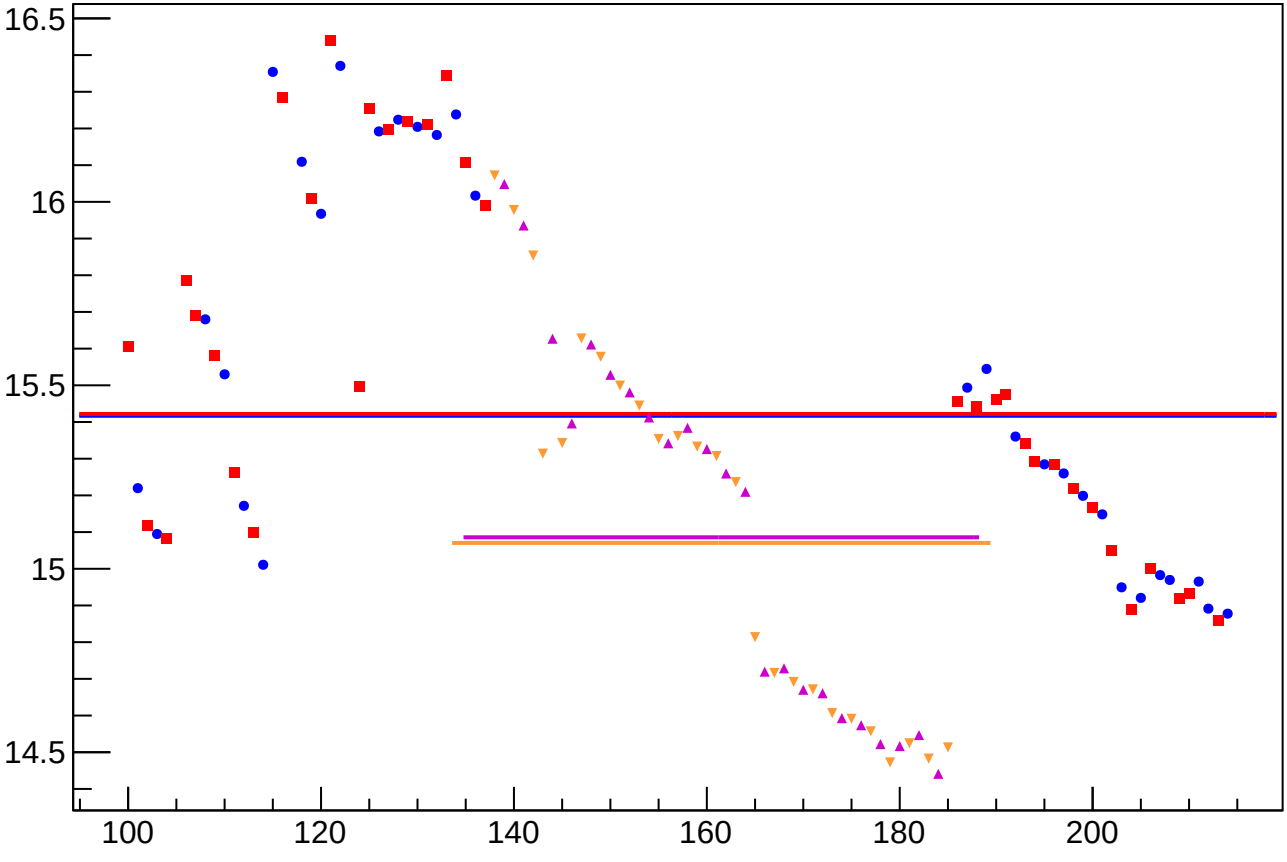
Right: 1908.559+/-0.228 χ^2/NDF: 3365018.7/63

In: 2163.817+/-0.260 χ^2/NDF:3041016.7/52

Out: 2129.718+/-0.251 χ^2/NDF:4158216.9/58

All: 2146.155+/-0.181 χ^2/NDF: 7208143.8/11

yield_sam1_mean vs Slug, Sign Corrected



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

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

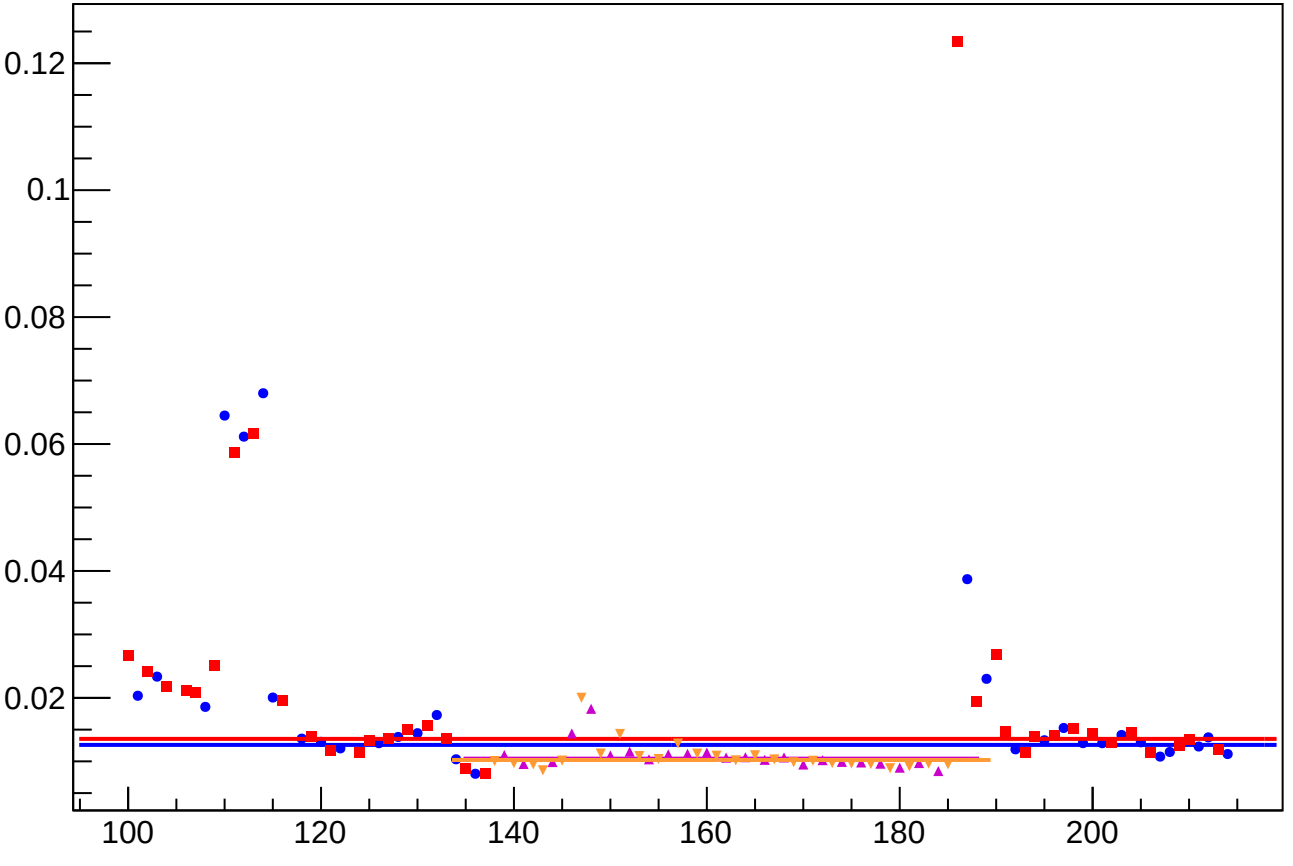
Right: 15.419+/-0.000 χ^2/NDF: 49842063840.0/63

In: 15.214+/-0.000 χ^2/NDF:72677988648.0/52

Out: 15.189+/-0.000 χ^2/NDF:74383170705.0/58

All: 15.202+/-0.000 χ^2/NDF: 147142338298.

yield_sam1_rms vs Slug, Sign Corrected



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

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

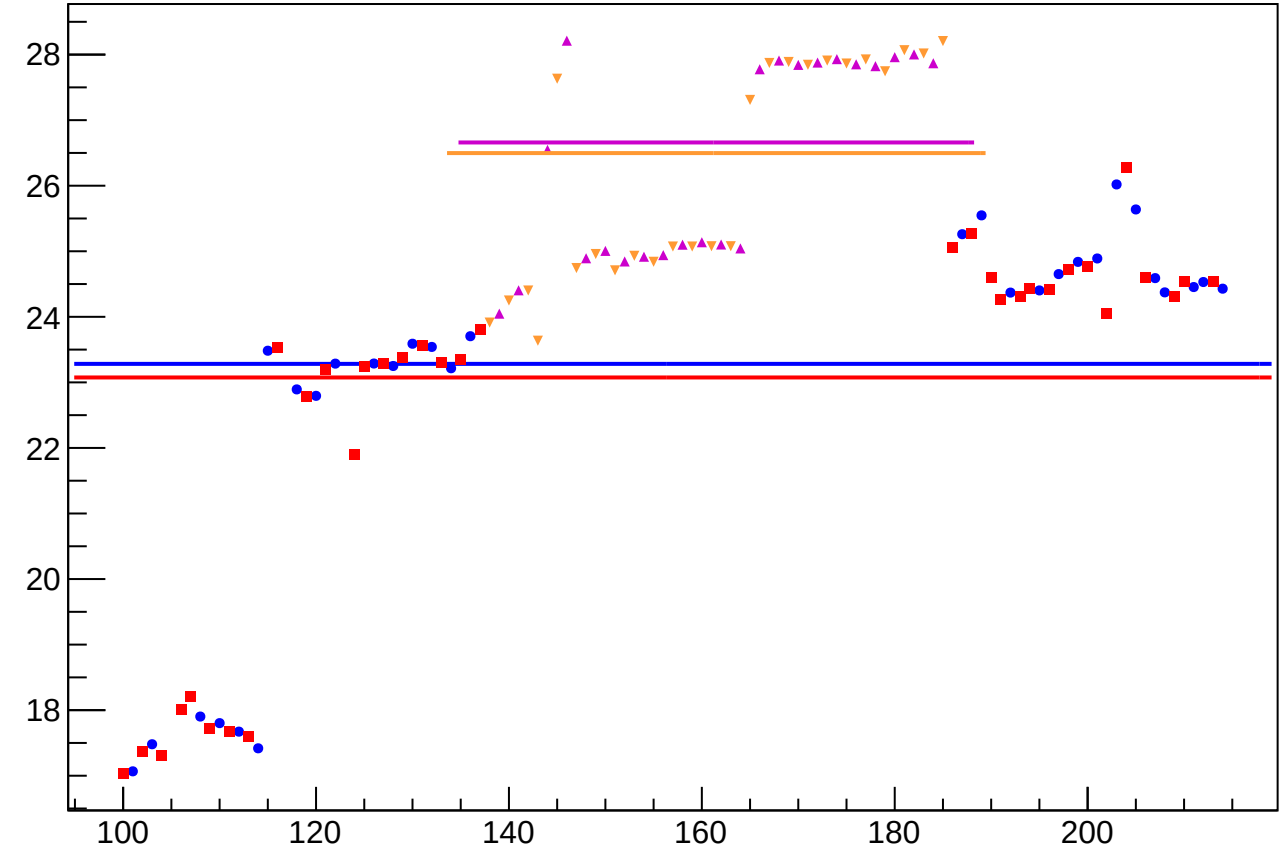
Right: 0.013+/-0.000 χ^2/NDF: 6354507.4/63

In: 0.011+/-0.000 χ^2/NDF:4048666.6/52

Out: 0.011+/-0.000 χ^2/NDF:5453947.5/58

All: 0.011+/-0.000 χ^2/NDF: 9504019.9/111

yield_sam2_mean vs Slug, Sign Corrected



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

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

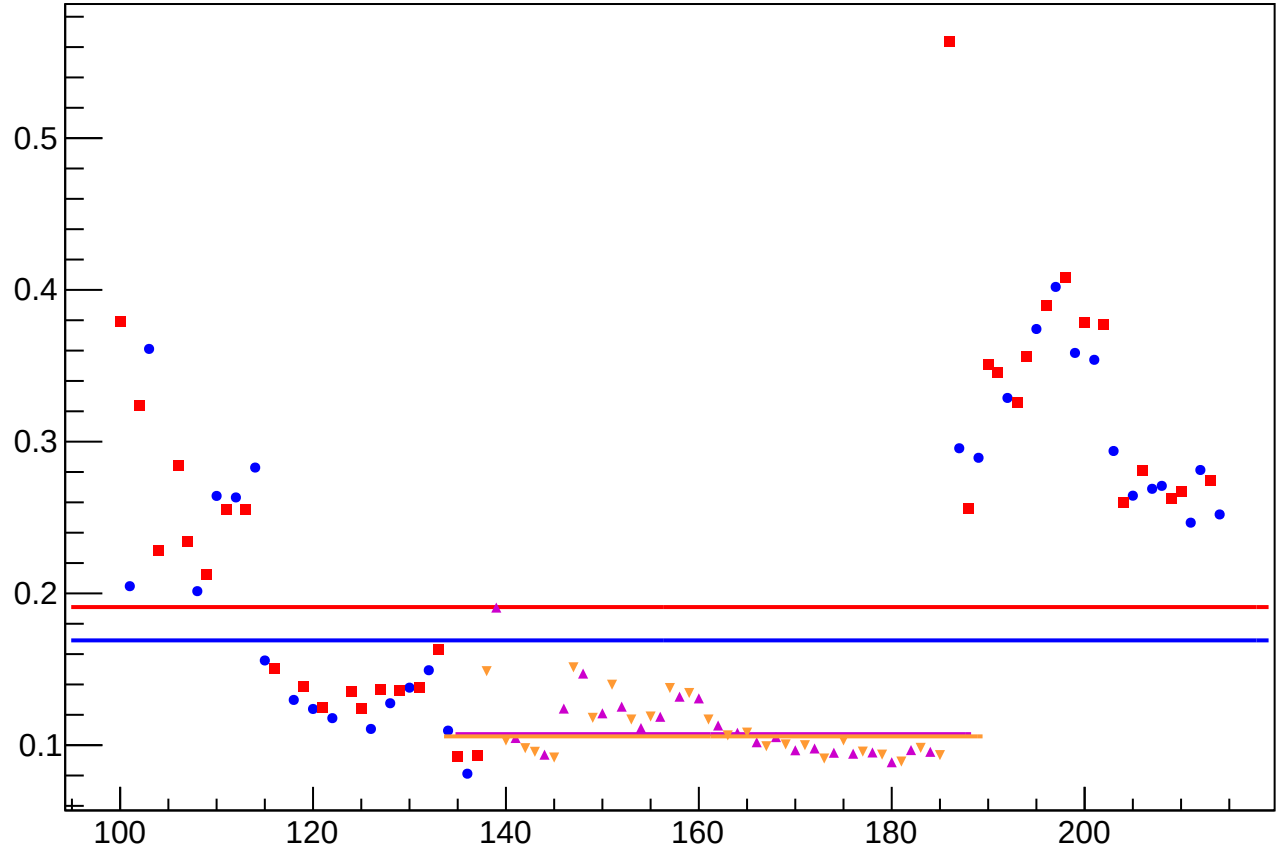
Right: 23.187+/-0.000 χ^2/NDF: 3382670128.2/63

In: 25.798+/-0.000 χ^2/NDF:8492175509.3/52

Out: 25.777+/-0.000 χ^2/NDF:9292597169.3/58

All: 25.787+/-0.000 χ^2/NDF: 17785175858.2

yield_sam2_rms vs Slug, Sign Corrected



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

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

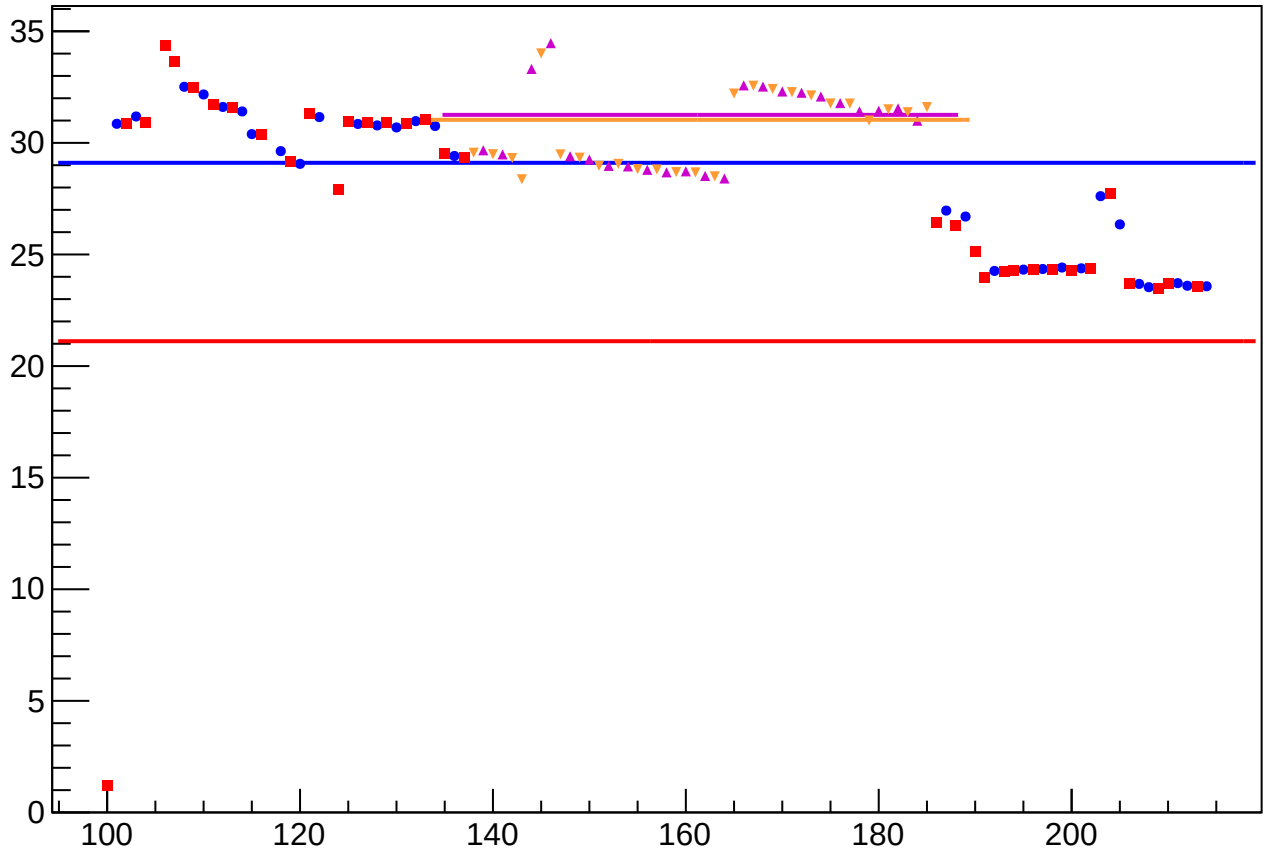
Right: 0.179+/-0.000 χ^2/NDF: 14227267.6/63

In: 0.123+/-0.000 χ^2/NDF:10866771.5/52

Out: 0.124+/-0.000 χ^2/NDF:11952206.0/58

All: 0.123+/-0.000 χ^2/NDF: 22819882.2/111

yield_sam3_mean vs Slug, Sign Corrected



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

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

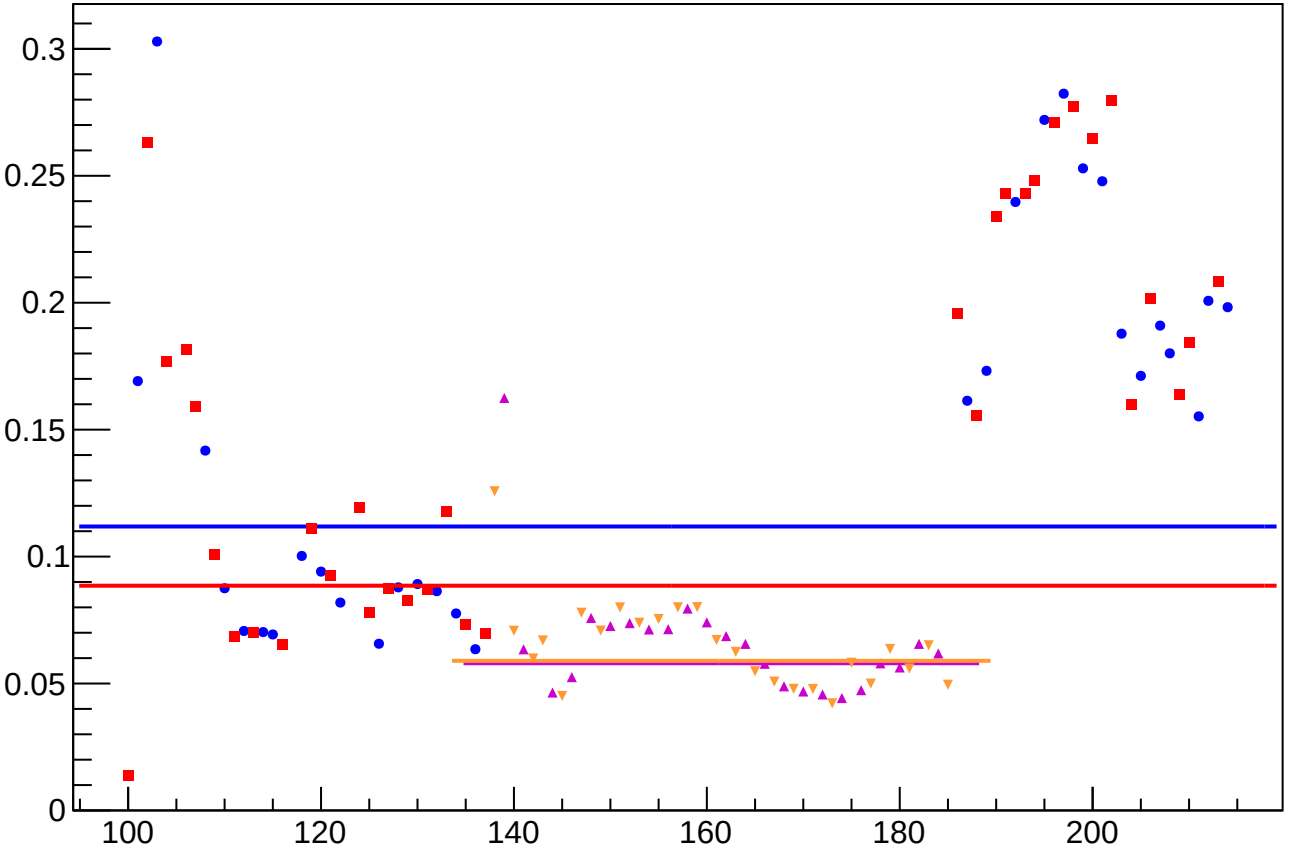
Right: 24.586+/-0.000 χ^2/NDF: 271554986493.7/63

In: 30.825+/-0.000 χ^2/NDF:24278535993.0/52

Out: 28.660+/-0.000 χ^2/NDF:339088801045.8/58

All: 29.695+/-0.000 χ^2/NDF: 375987480214.

yield_sam3_rms vs Slug, Sign Corrected



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

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

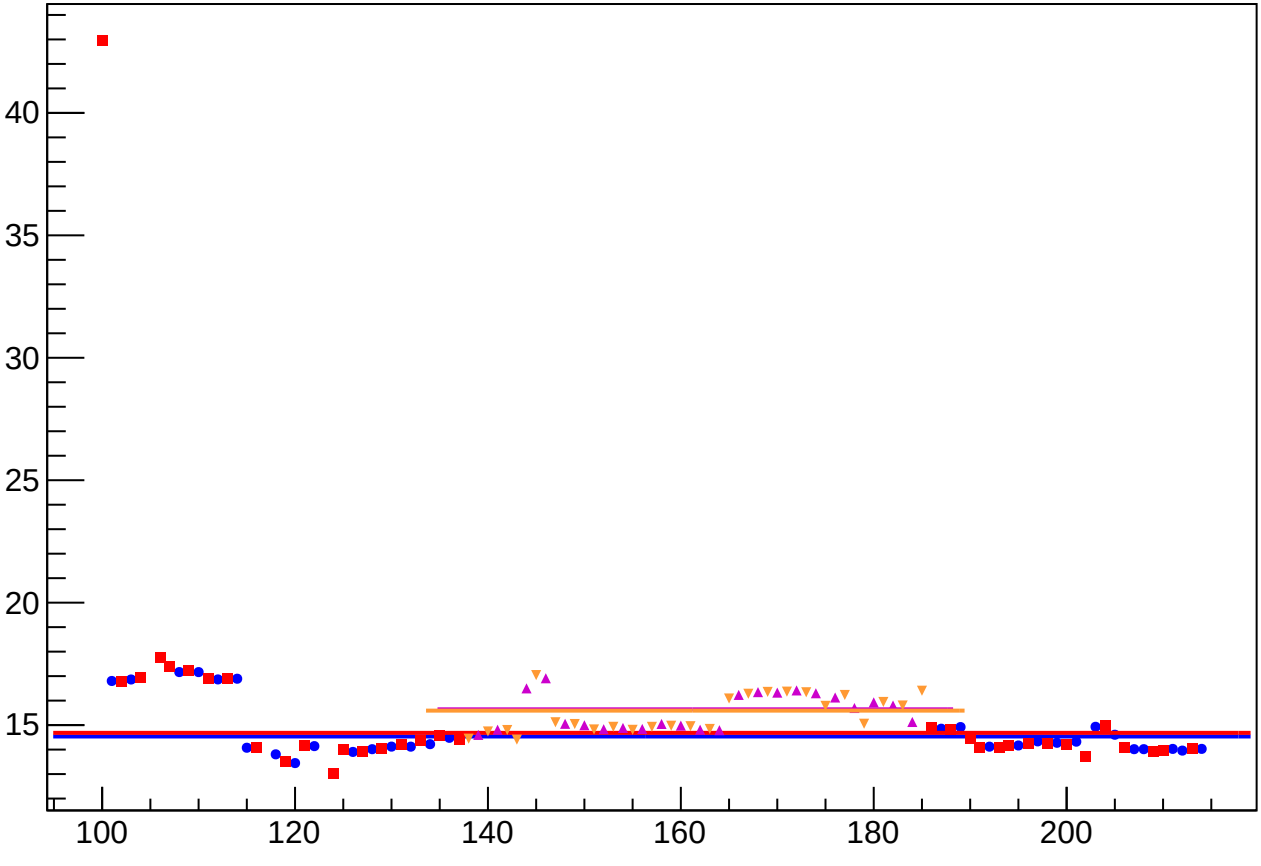
Right: 0.099+/-0.000 χ^2/NDF: 21253590.6/63

In: 0.069+/-0.000 χ^2/NDF:13761202.4/52

Out: 0.066+/-0.000 χ^2/NDF:16705753.8/58

All: 0.067+/-0.000 χ^2/NDF: 30507948.1/111

yield_sam4_mean vs Slug, Sign Corrected



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

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

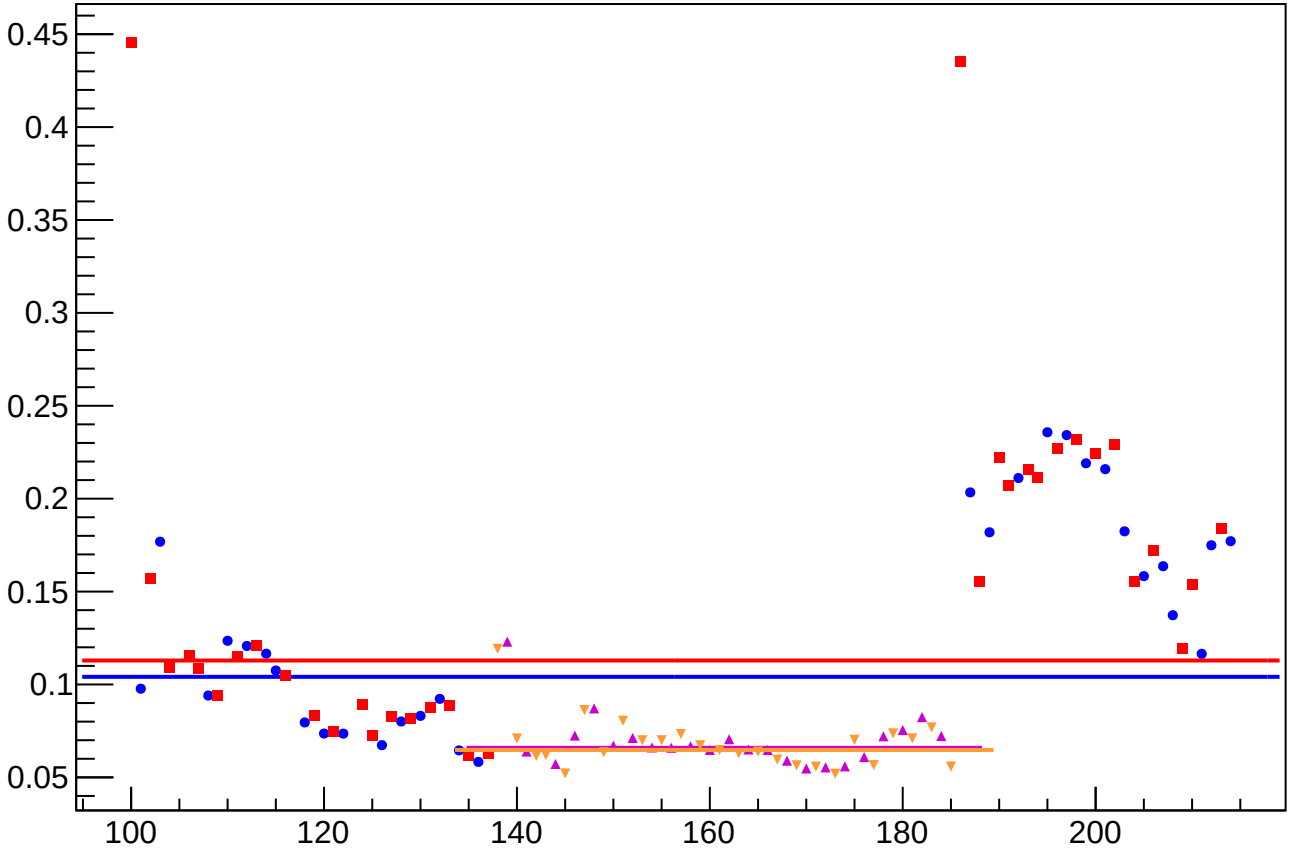
Right: 14.605+/-0.000 χ^2/NDF: 3158022622.9/63

In: 15.351+/-0.000 χ^2/NDF:4295179766.5/52

Out: 15.384+/-0.000 χ^2/NDF:4867985321.1/58

All: 15.368+/-0.000 χ^2/NDF: 9165793297.5/1

yield_sam4_rms vs Slug, Sign Corrected



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

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

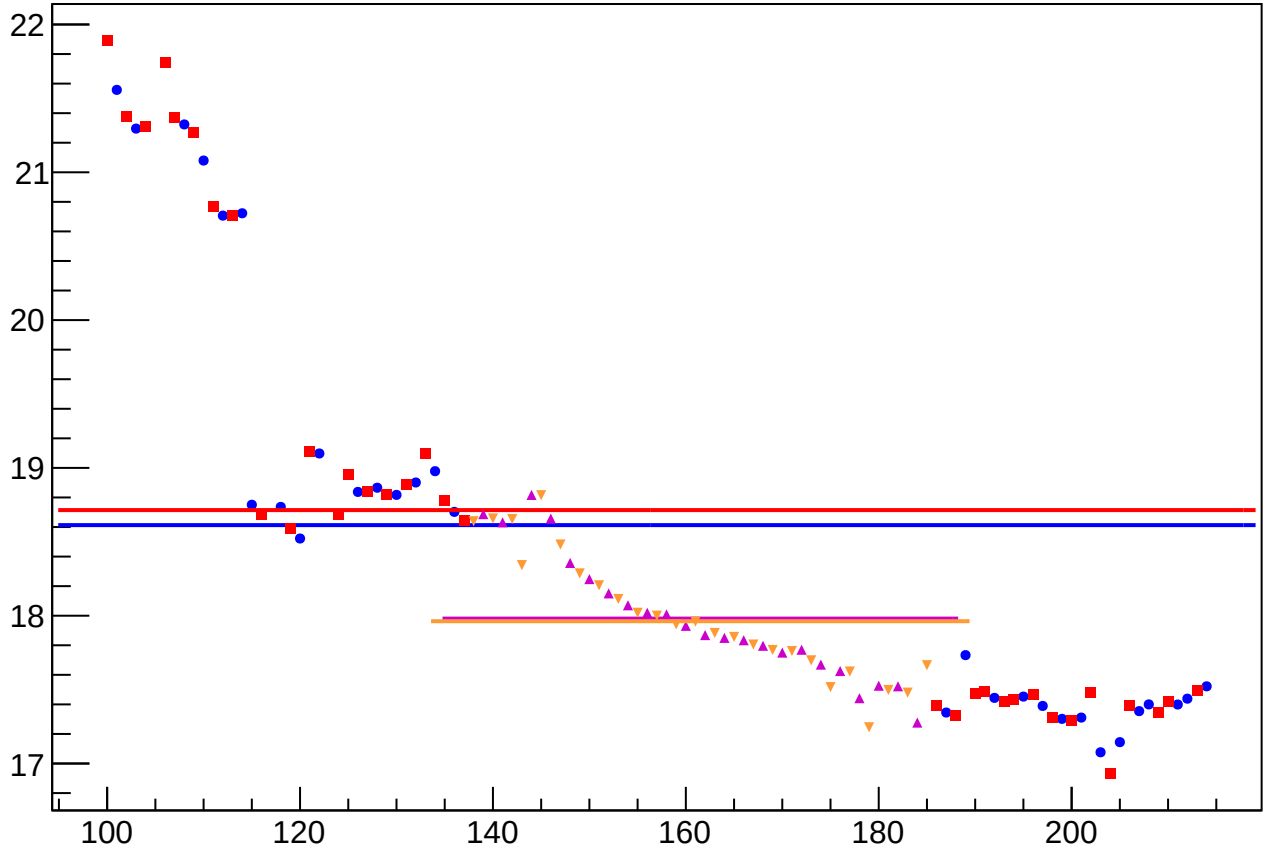
Right: 0.108+/-0.000 χ^2/NDF: 12205959.0/63

In: 0.076+/-0.000 χ^2/NDF:9728042.6/52

Out: 0.076+/-0.000 χ^2/NDF:10935682.0/58

All: 0.076+/-0.000 χ^2/NDF: 20664025.2/111

yield_sam5_mean vs Slug, Sign Corrected



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

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

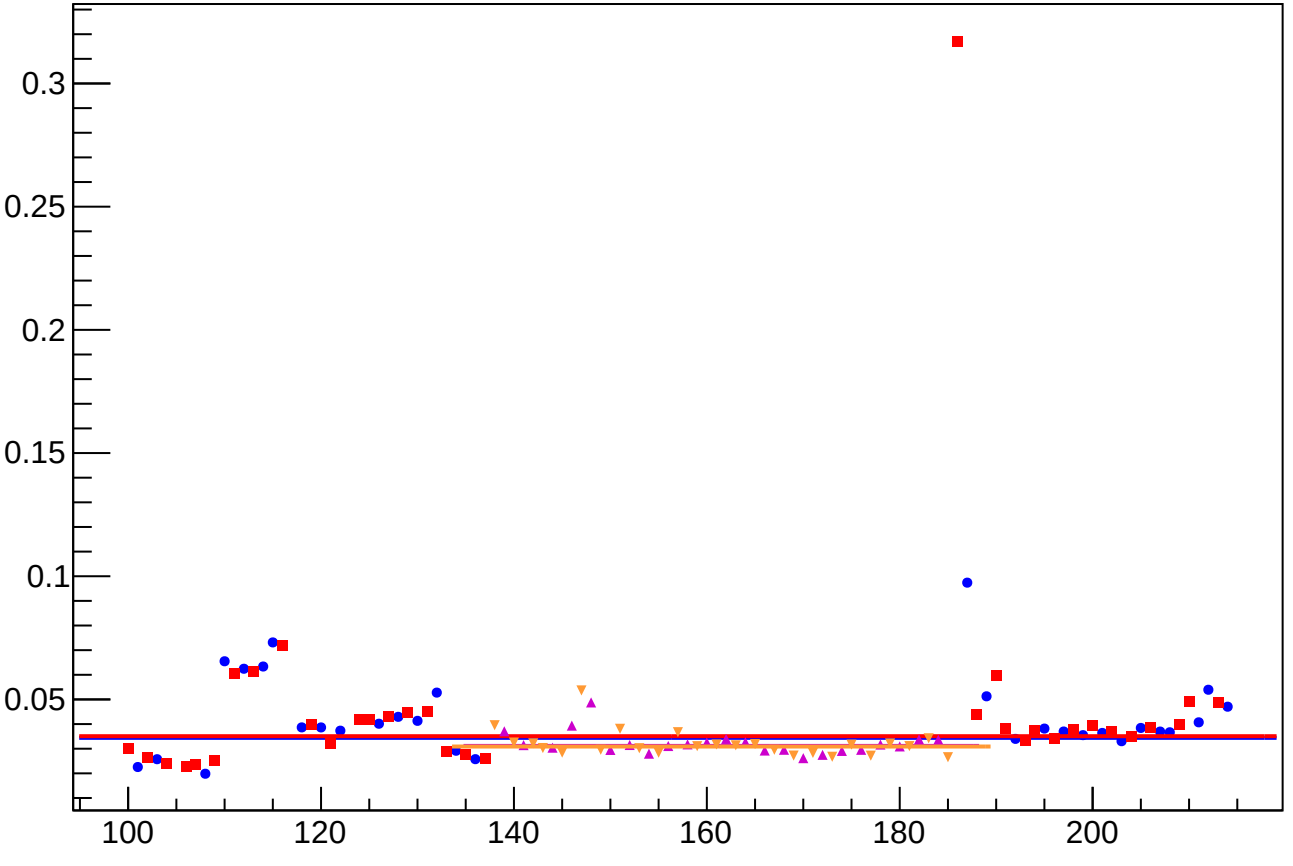
Right: 18.664+/-0.000 χ^2/NDF: 72435100520.6/63

In: 18.254+/-0.000 χ^2/NDF:40748043474.1/52

Out: 18.273+/-0.000 χ^2/NDF:44953580146.4/58

All: 18.264+/-0.000 χ^2/NDF: 85707586917.1

yield_sam5_rms vs Slug, Sign Corrected



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

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

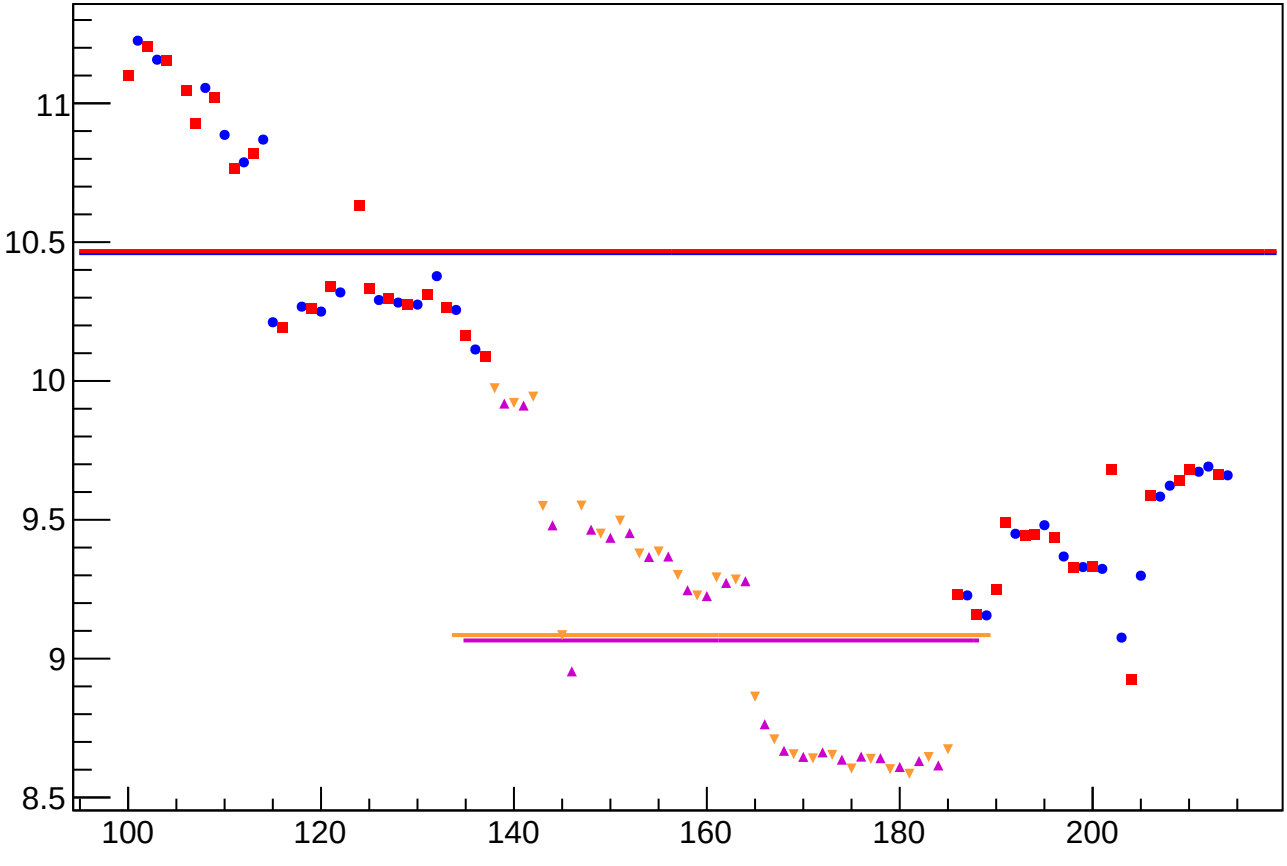
Right: 0.035+/-0.000 χ^2/NDF: 4938926.9/63

In: 0.033+/-0.000 χ^2/NDF:3004363.4/52

Out: 0.033+/-0.000 χ^2/NDF:3489268.3/58

All: 0.033+/-0.000 χ^2/NDF: 6493771.5/111

yield_sam6_mean vs Slug, Sign Corrected



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

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

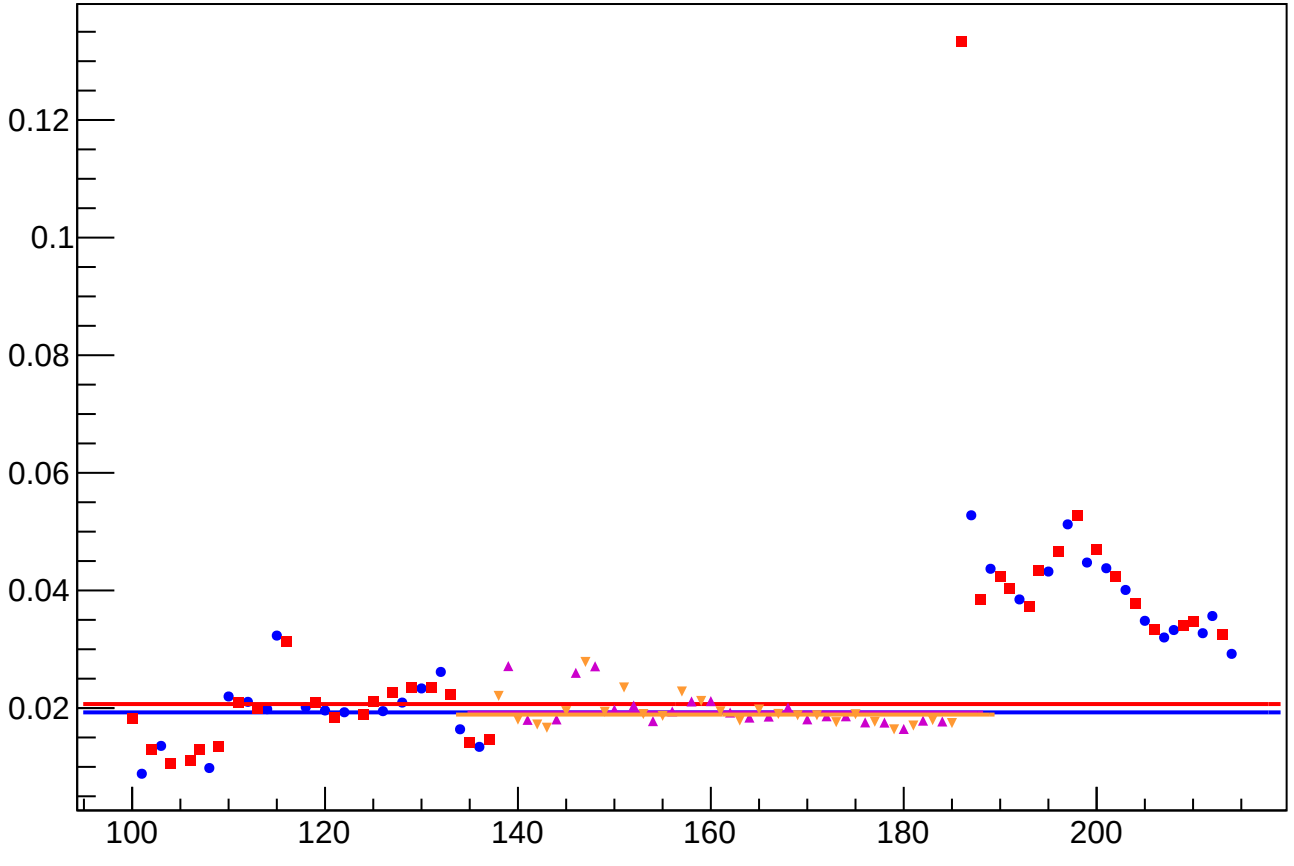
Right: 10.464+/-0.000 χ^2/NDF: 29749566190.1/63

In: 9.681+/-0.000 χ^2/NDF:62145041240.4/52

Out: 9.637+/-0.000 χ^2/NDF:61930385684.5/58

All: 9.658+/-0.000 χ^2/NDF: 124154021794.8

yield_sam6_rms vs Slug, Sign Corrected



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

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

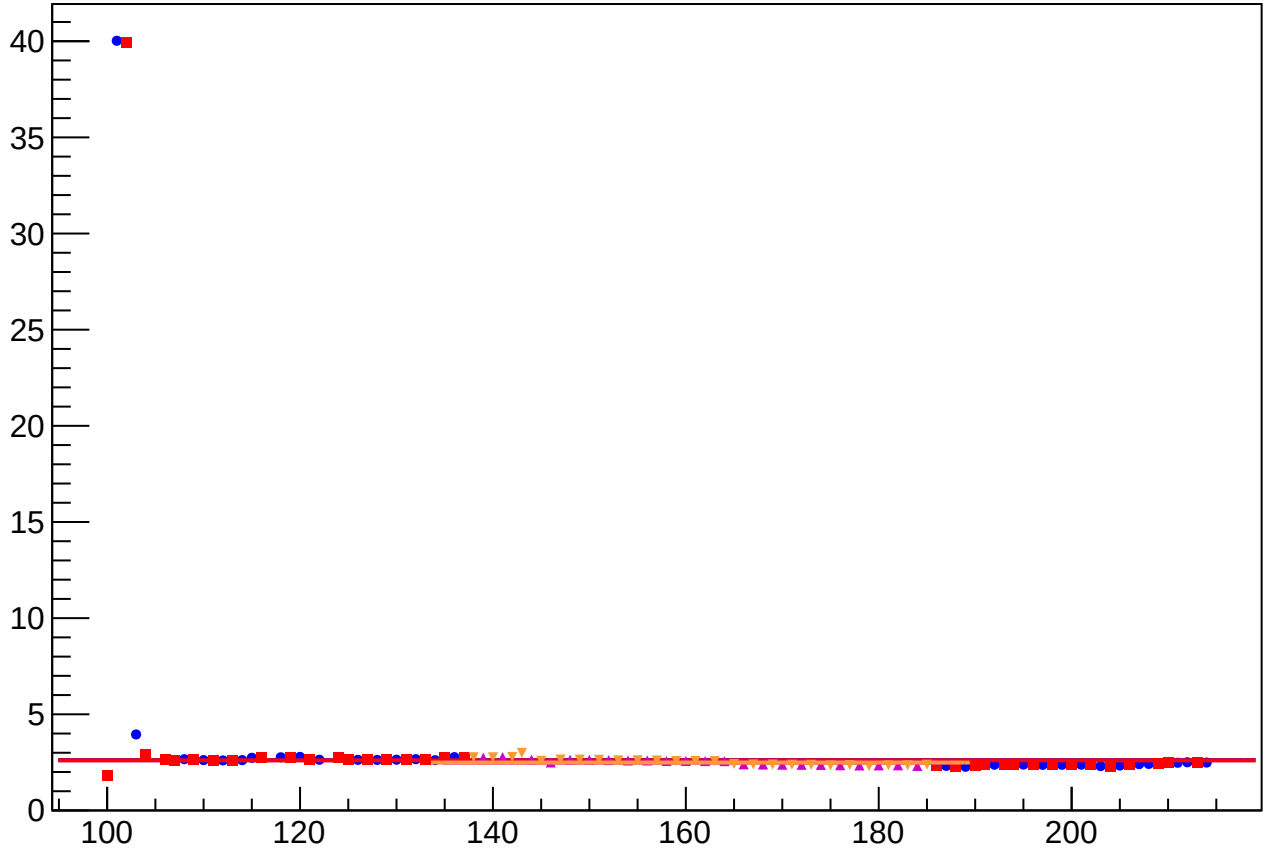
Right: 0.020+/-0.000 χ^2/NDF: 16127716.1/63

In: 0.019+/-0.000 χ^2/NDF:8671381.0/52

Out: 0.020+/-0.000 χ^2/NDF:8496337.6/58

All: 0.019+/-0.000 χ^2/NDF: 17178272.7/111

yield_sam7_mean vs Slug, Sign Corrected



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

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

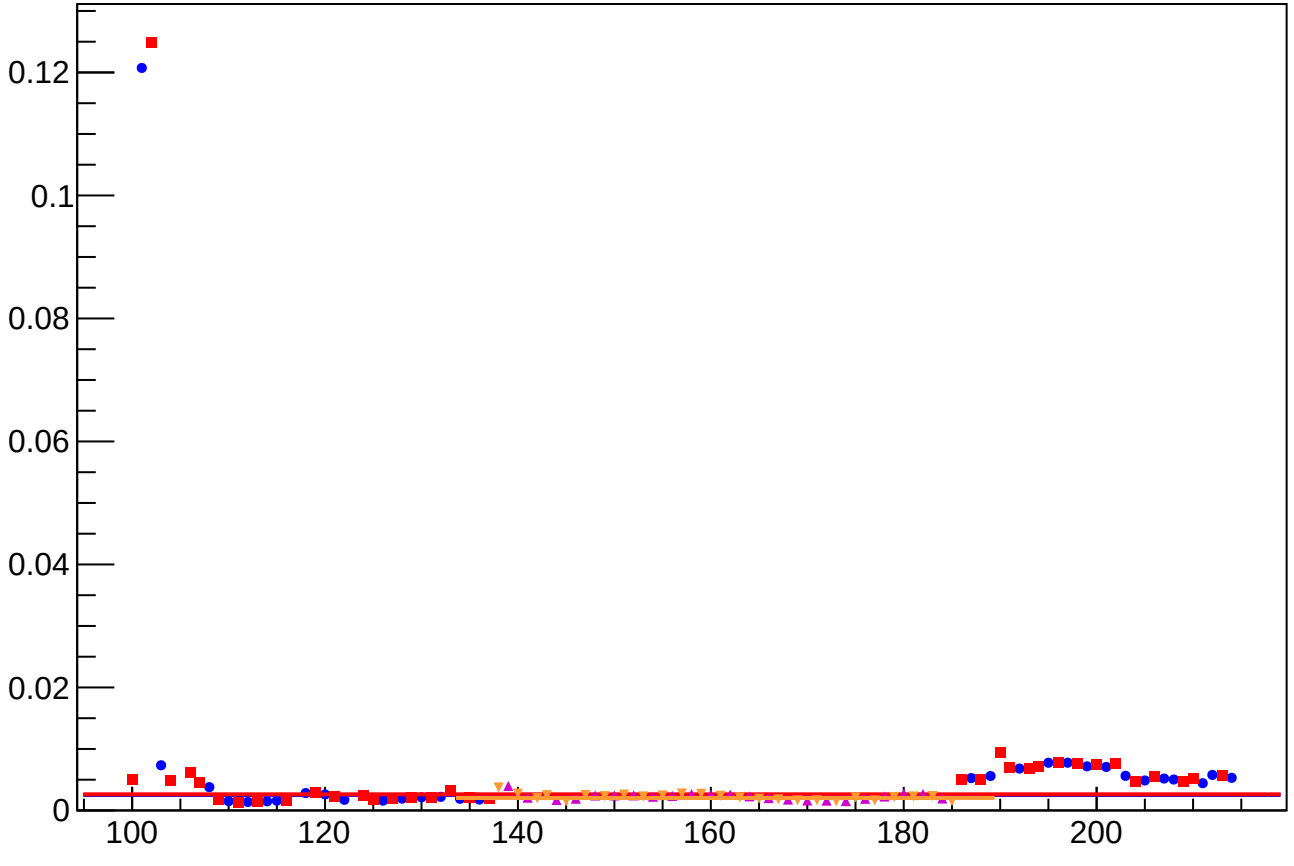
Right: 2.611+/-0.000 χ^2/NDF: 172813835802.8/63

In: 2.532+/-0.000 χ^2/NDF:167581870447.2/52

Out: 2.527+/-0.000 χ^2/NDF:193415196712.5/58

All: 2.530+/-0.000 χ^2/NDF: 361046751092.6

yield_sam7_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

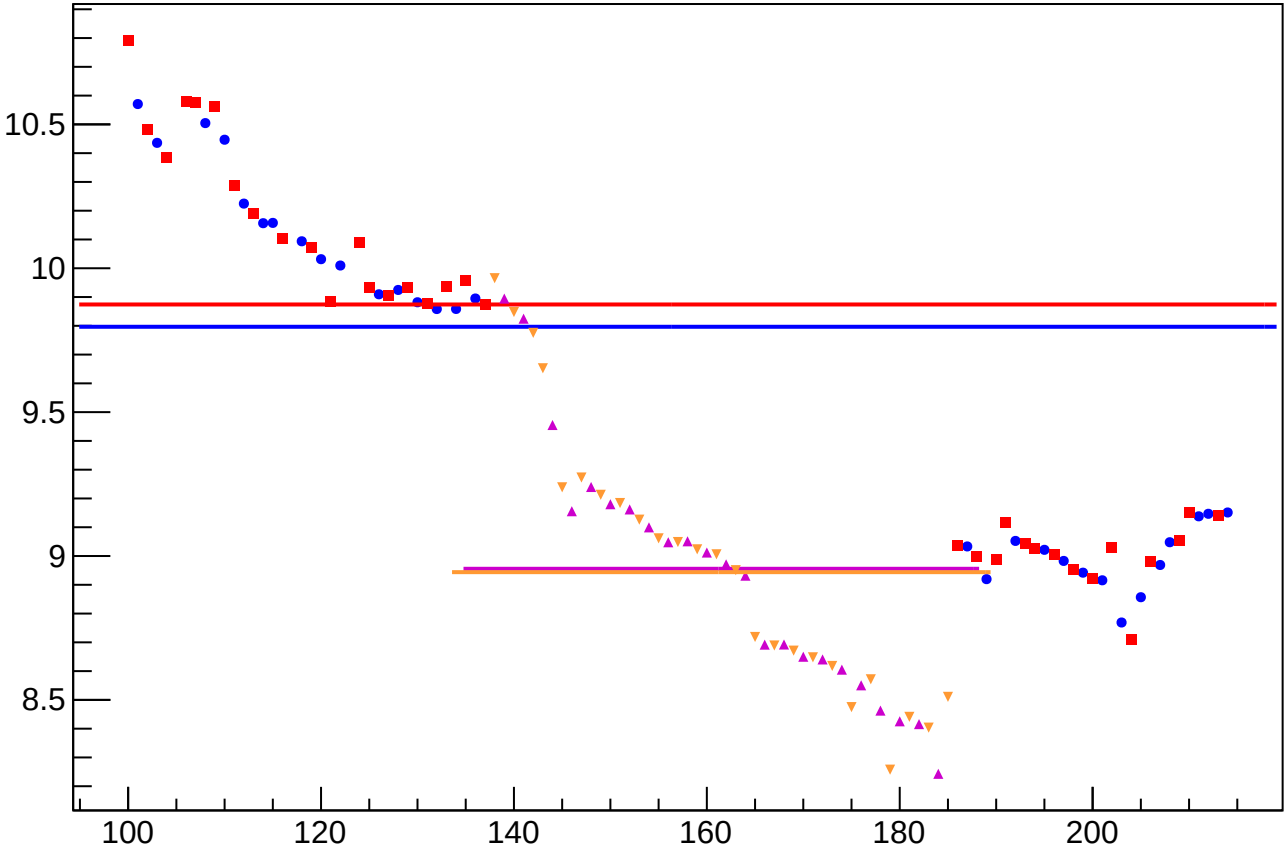
Right: 0.003+/-0.000 χ^2/NDF: 21705303.5/63

In: 0.002+/-0.000 χ^2/NDF:12203972.6/52

Out: 0.002+/-0.000 χ^2/NDF:13756901.4/58

All: 0.002+/-0.000 χ^2/NDF: 25961259.0/111

yield_sam8_mean vs Slug, Sign Corrected



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

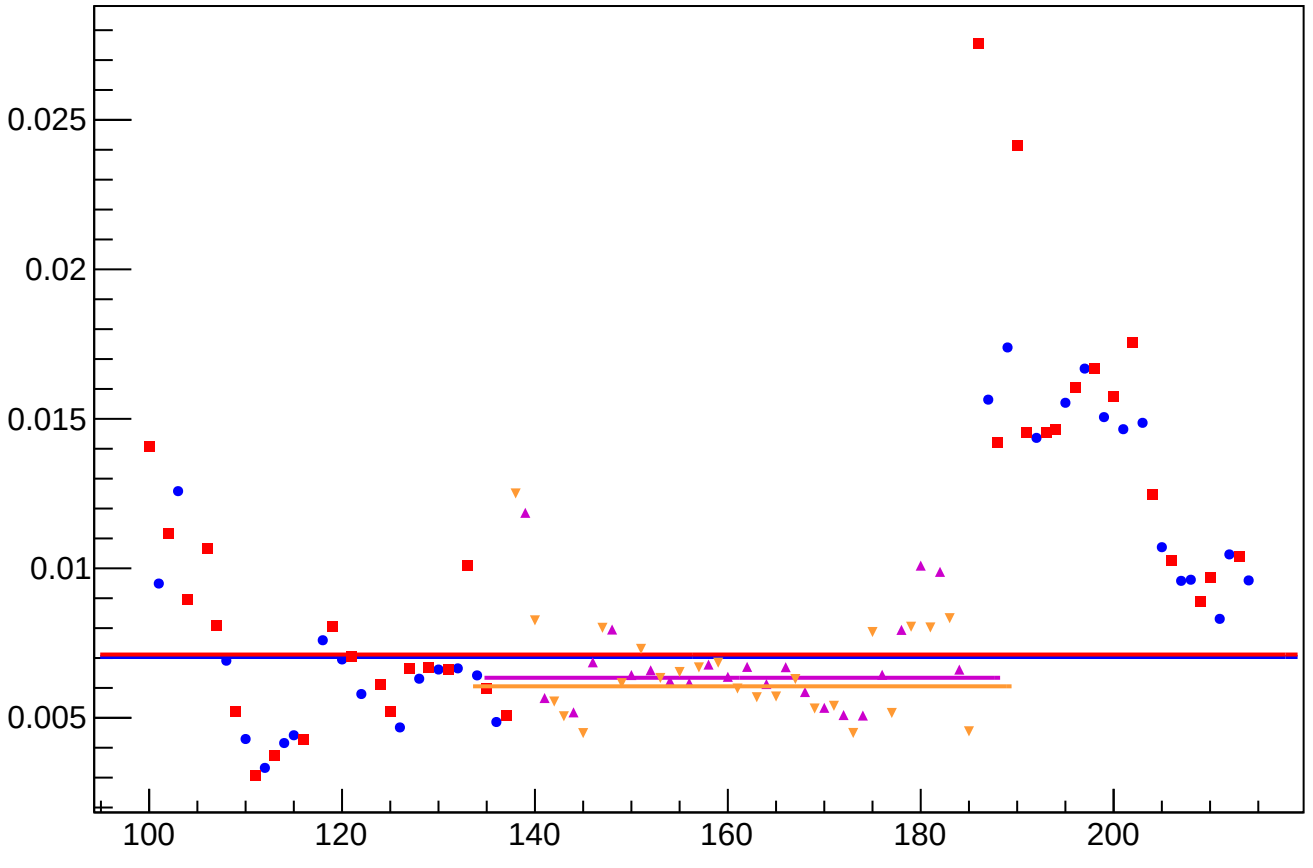
Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

Right: 9.835+/-0.000 χ^2/NDF: 152494128196.3/63

In: 9.315+/-0.000 χ^2/NDF:235952926518.2/52

Out: 9.306+/-0.000 χ^2/NDF:282935343049.6/58

All: 9.310+/-0.000 χ^2/NDF: 518919605563.9



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

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

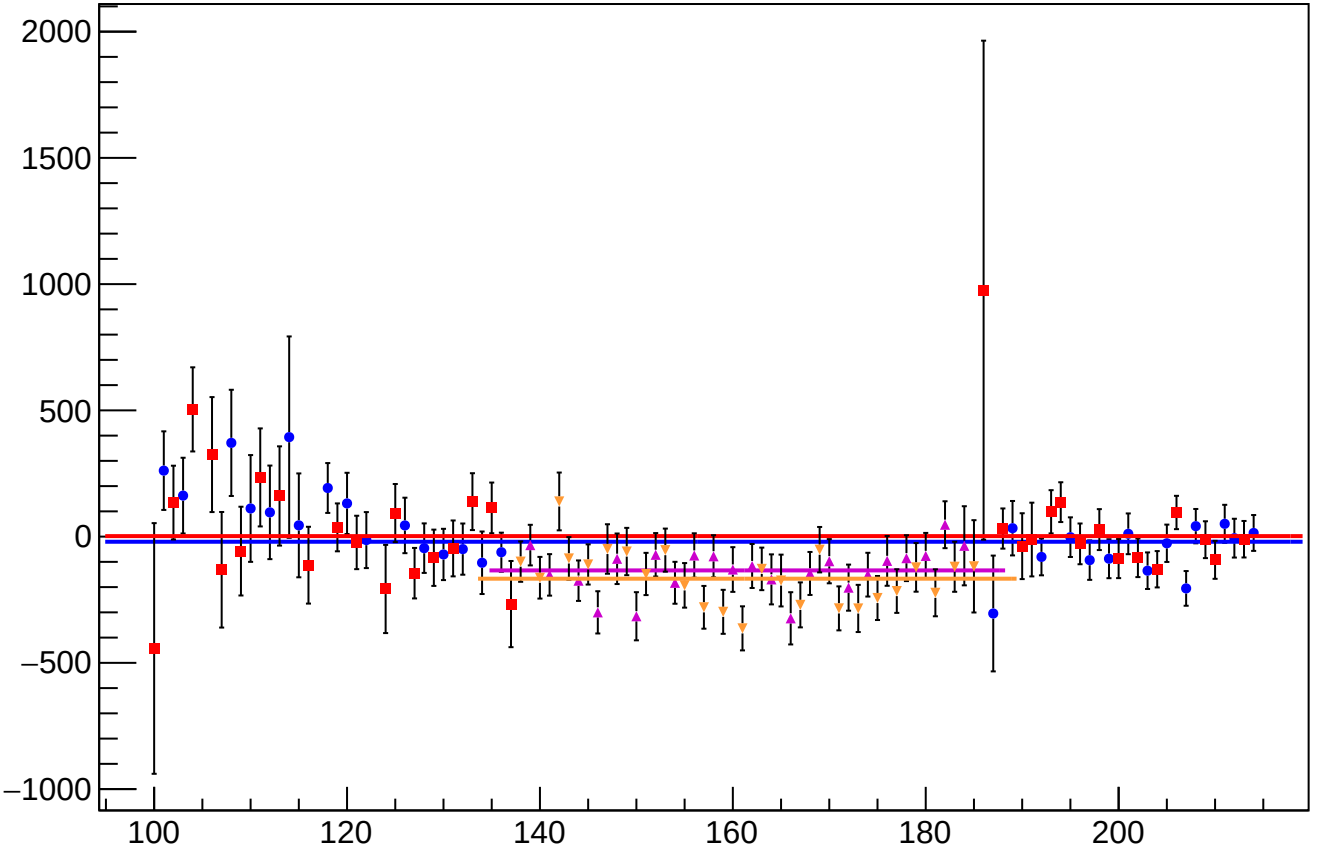
Right: 0.007+/-0.000 χ^2/NDF: 14952043.9/63

In: 0.007+/-0.000 χ^2/NDF:7933661.3/52

Out: 0.006+/-0.000 χ^2/NDF:10168577.4/58

All: 0.007+/-0.000 χ^2/NDF: 18121127.5/111

reg_asym_sam1_mean vs Slug, Sign Corrected



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

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

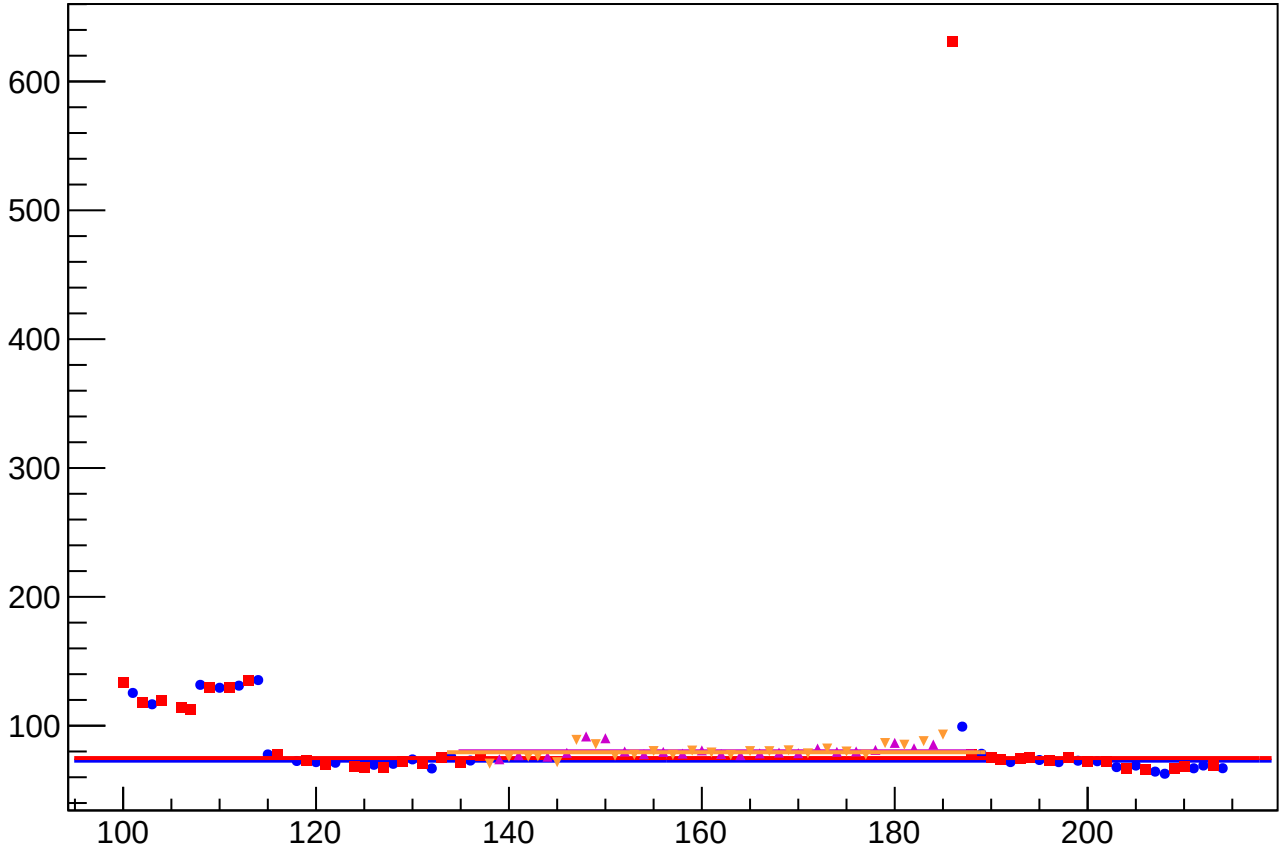
Right: -9.396+/-12.344 χ^2/NDF: 76.1/63

In: -72.518+/-12.716 χ^2/NDF:74.4/52

Out: -80.182+/-12.618 χ^2/NDF:117.7/58

All: -76.380+/-8.957 χ^2/NDF: 192.3/111

reg_asym_sam1_rms vs Slug, Sign Corrected



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

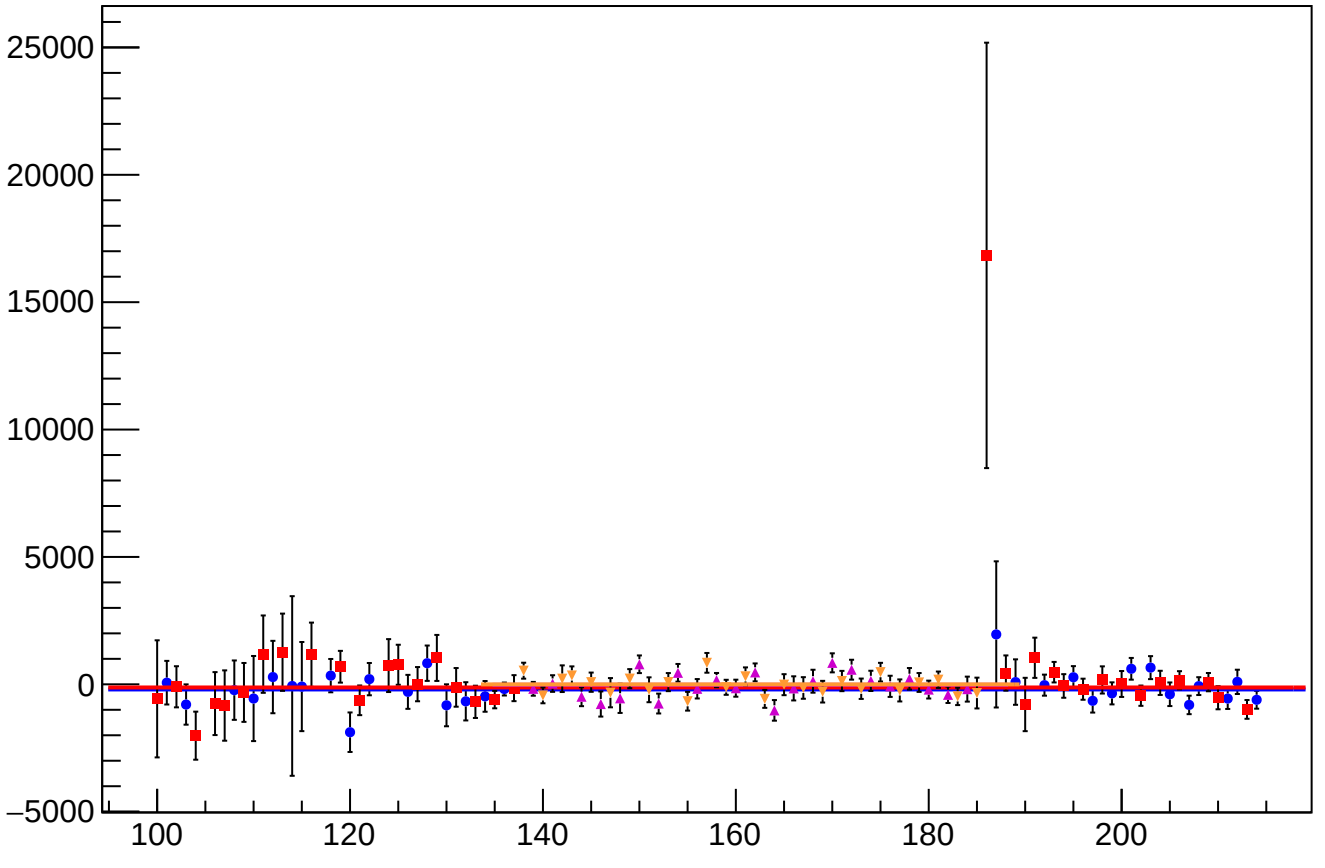
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 73.861+/-0.009 χ^2/NDF: 2914849.5/63

In: 76.219+/-0.009 χ^2/NDF:1366228.9/52

Out: 77.093+/-0.009 χ^2/NDF:1988912.9/58

All: 76.659+/-0.006 χ^2/NDF: 3359900.2/111



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

Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

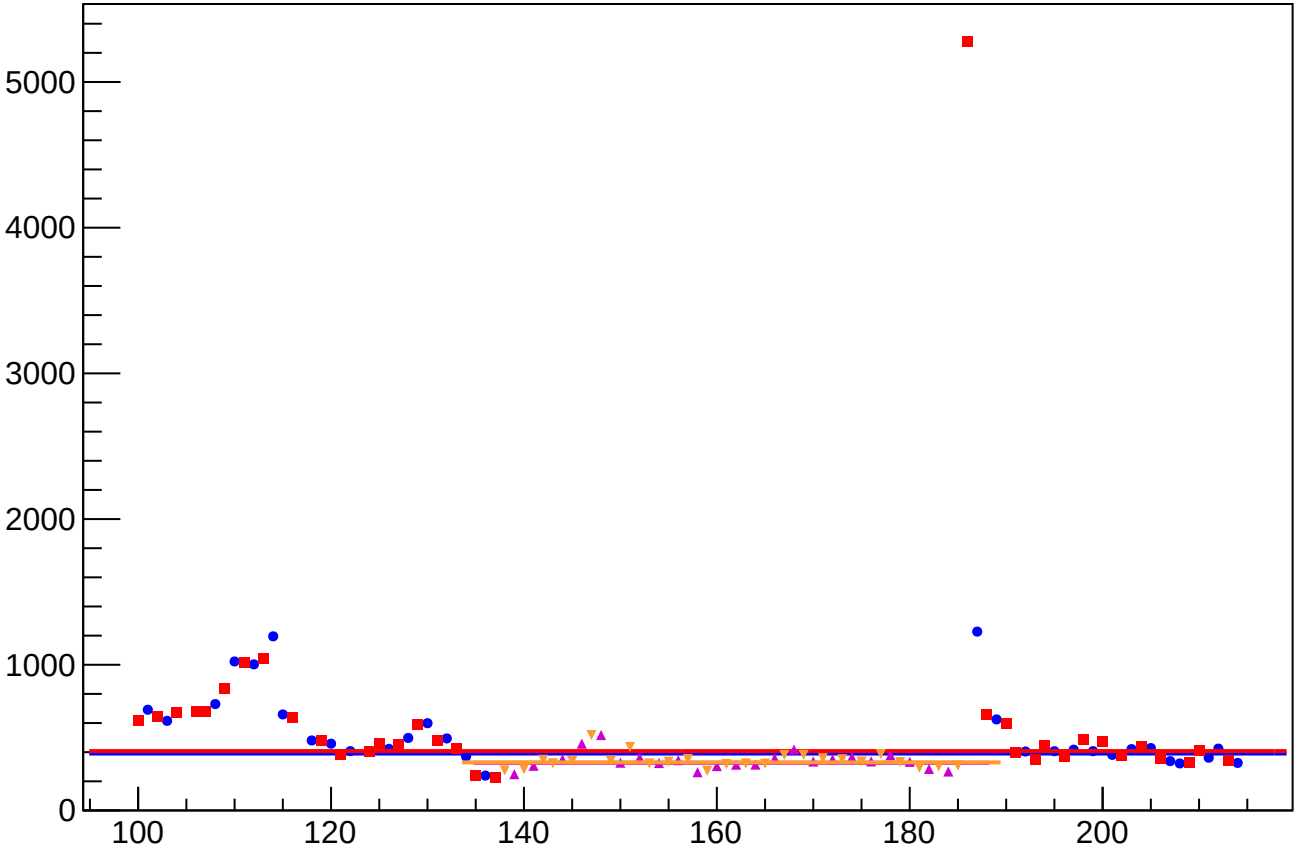
Right: -164.137+/-68.841 χ^2/NDF: 60.4/63

In: -91.513+/-60.239 χ^2/NDF:63.1/52

Out: -48.017+/-60.246 χ^2/NDF:59.1/58

All: -69.768+/-42.598 χ^2/NDF: 122.5/111

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



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

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

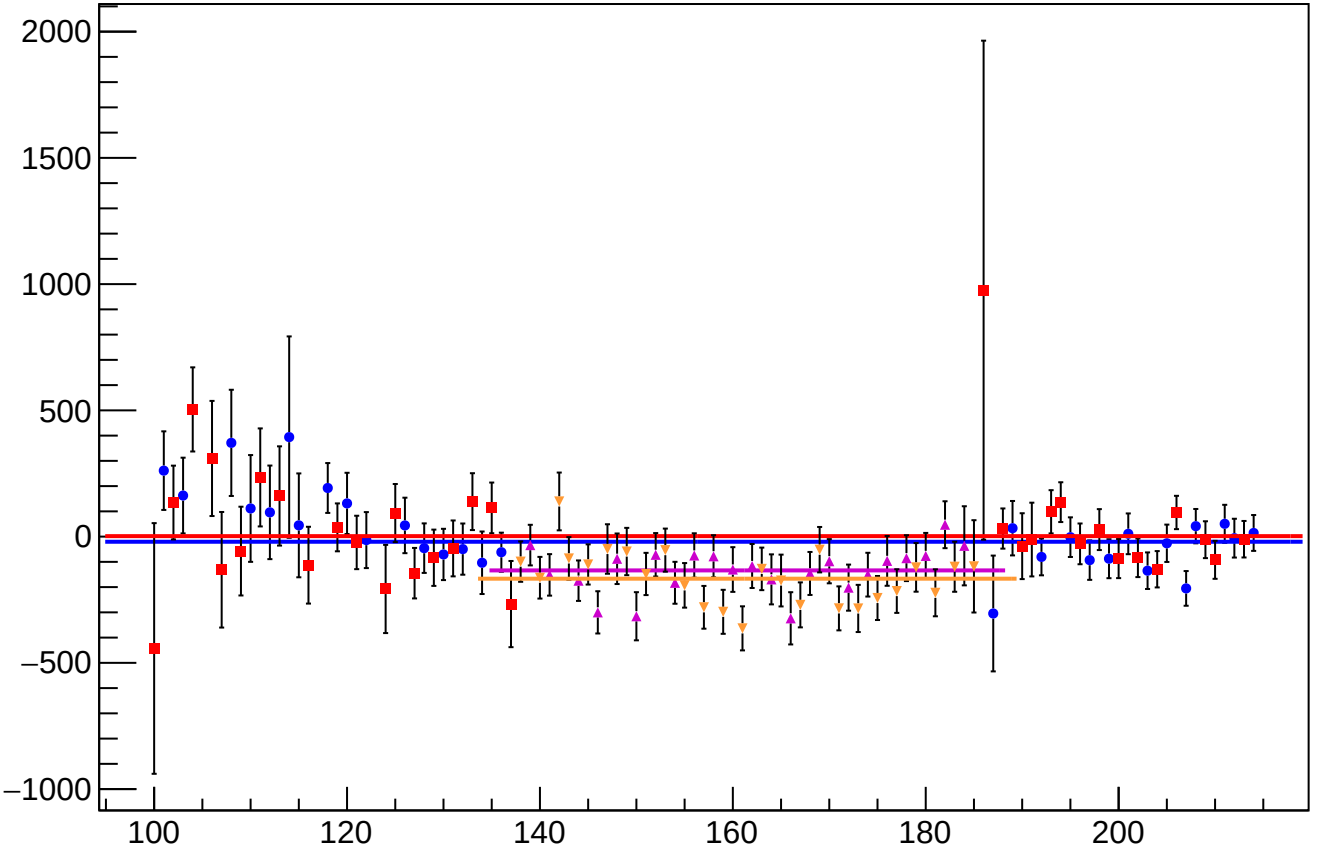
Right: 398.792+/-0.049 χ^2/NDF: 6728772.1/63

In: 352.193+/-0.043 χ^2/NDF:4354296.5/52

Out: 358.636+/-0.043 χ^2/NDF:5209995.5/58

All: 355.414+/-0.030 χ^2/NDF: 9575731.1/11

cor_asym_sam1_mean vs Slug, Sign Corrected



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

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

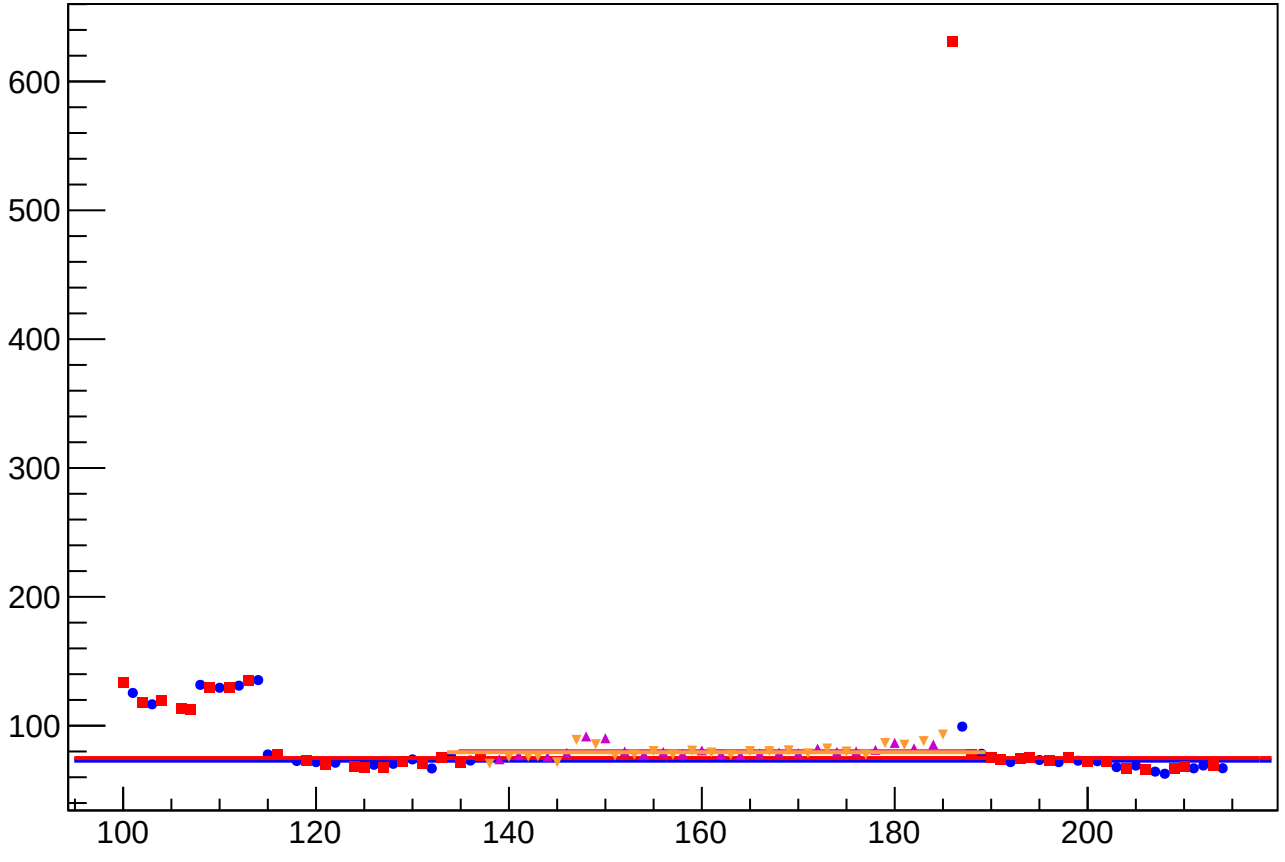
Right: -9.444+/-12.344 χ^2/NDF: 75.9/63

In: -72.521+/-12.716 χ^2/NDF:74.5/52

Out: -80.232+/-12.618 χ^2/NDF:117.4/58

All: -76.407+/-8.957 χ^2/NDF: 192.1/111

cor_asym_sam1_rms vs Slug, Sign Corrected



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

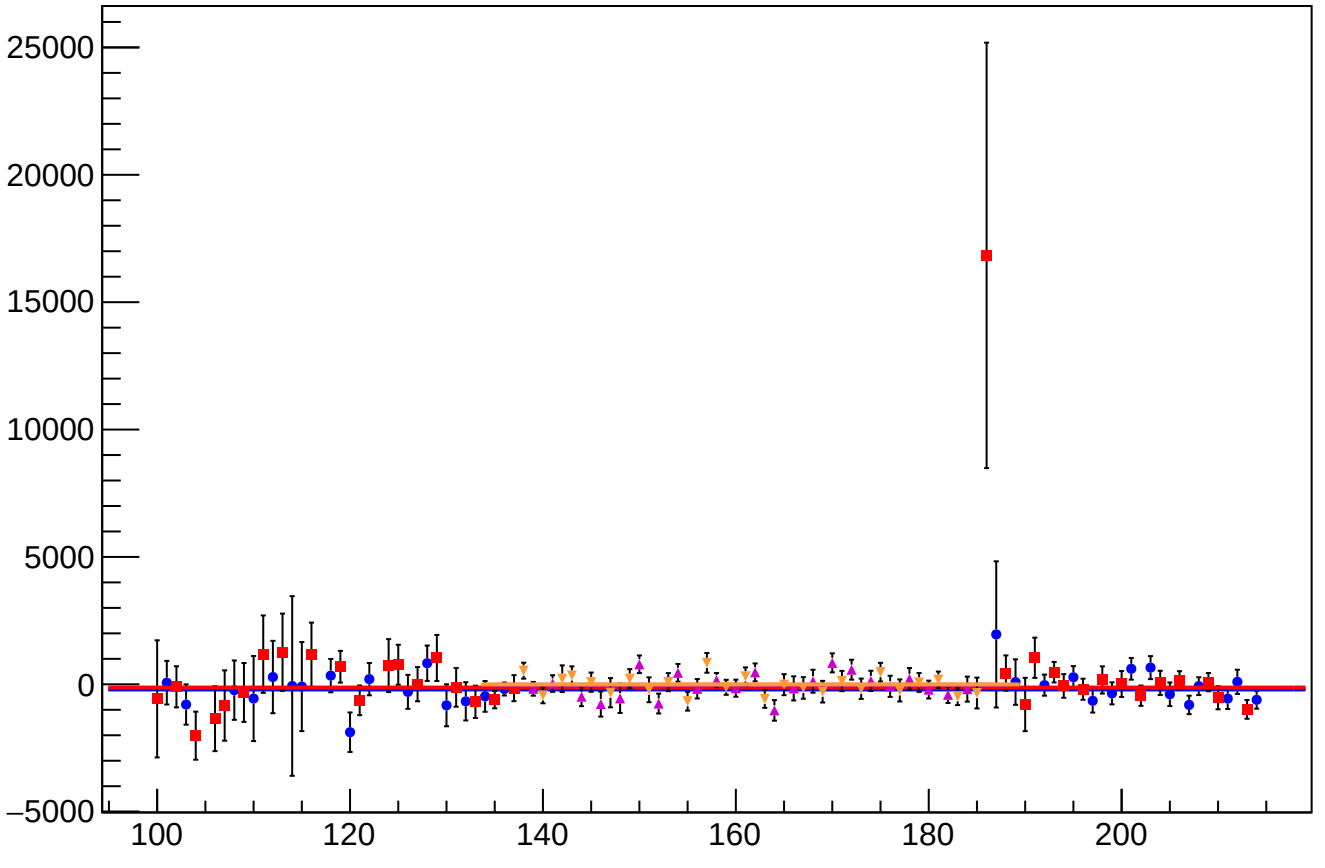
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 73.858+/-0.009 χ^2/NDF: 2912463.8/63

In: 76.219+/-0.009 χ^2/NDF:1366229.1/52

Out: 77.090+/-0.009 χ^2/NDF:1986733.6/58

All: 76.658+/-0.006 χ^2/NDF: 3357693.7/111



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

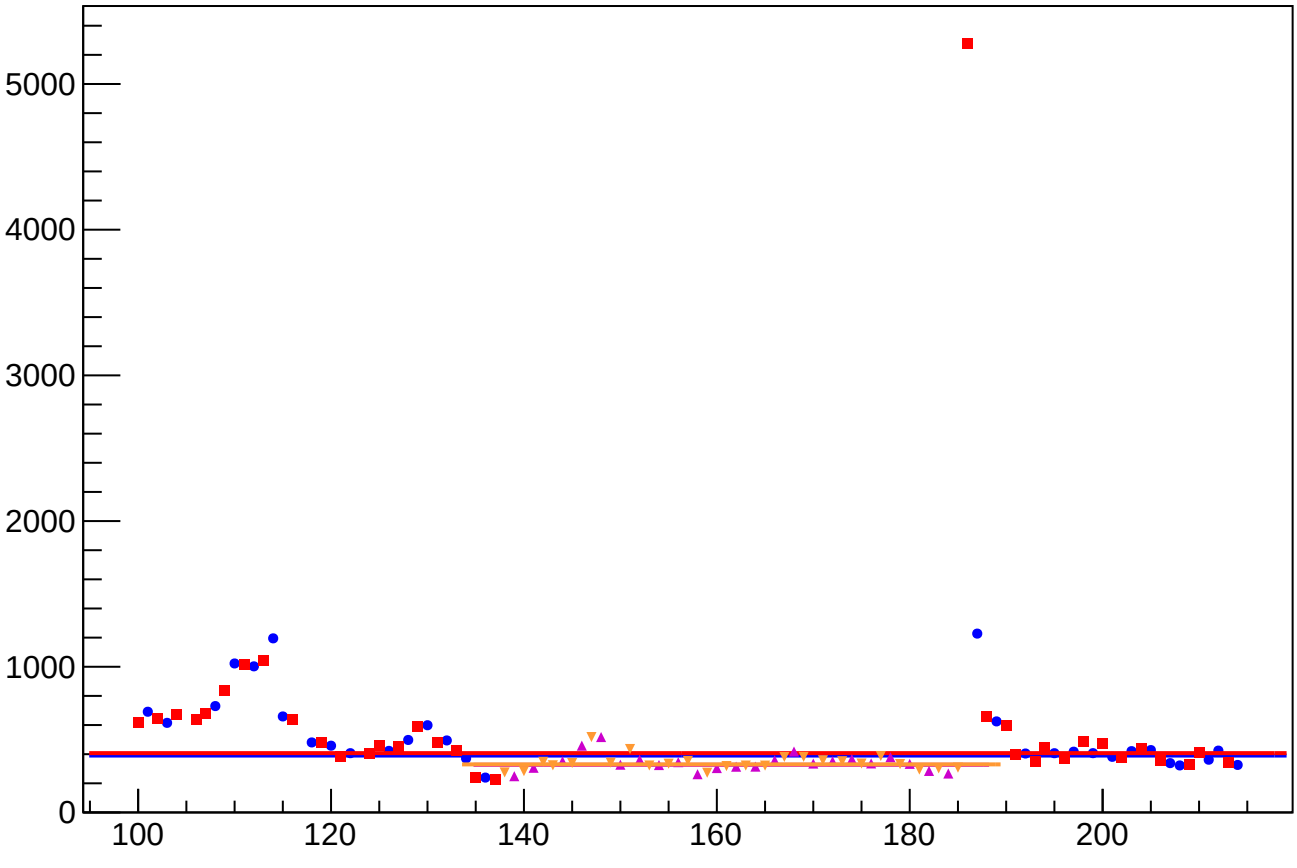
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -165.757+/-68.847 χ^2/NDF: 61.0/63

In: -91.518+/-60.239 χ^2/NDF:63.1/52

Out: -49.240+/-60.250 χ^2/NDF:59.9/58

All: -70.383+/-42.600 χ^2/NDF: 123.2/111



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

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

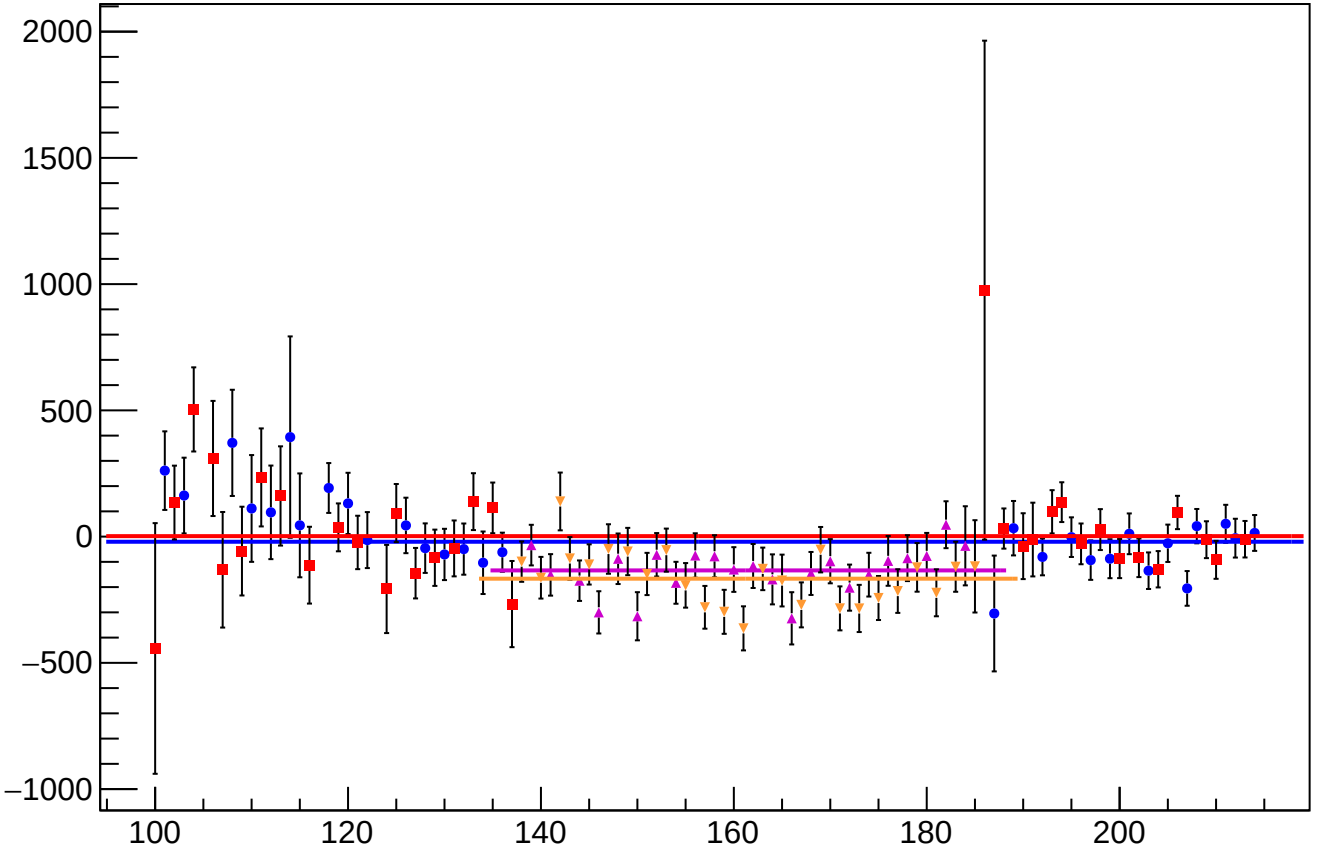
Right: 398.626+/-0.049 χ^2/NDF: 6697293.4/63

In: 352.193+/-0.043 χ^2/NDF:4354297.4/52

Out: 358.502+/-0.043 χ^2/NDF:5172748.2/58

All: 355.347+/-0.030 χ^2/NDF: 9538014.3/111

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



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

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

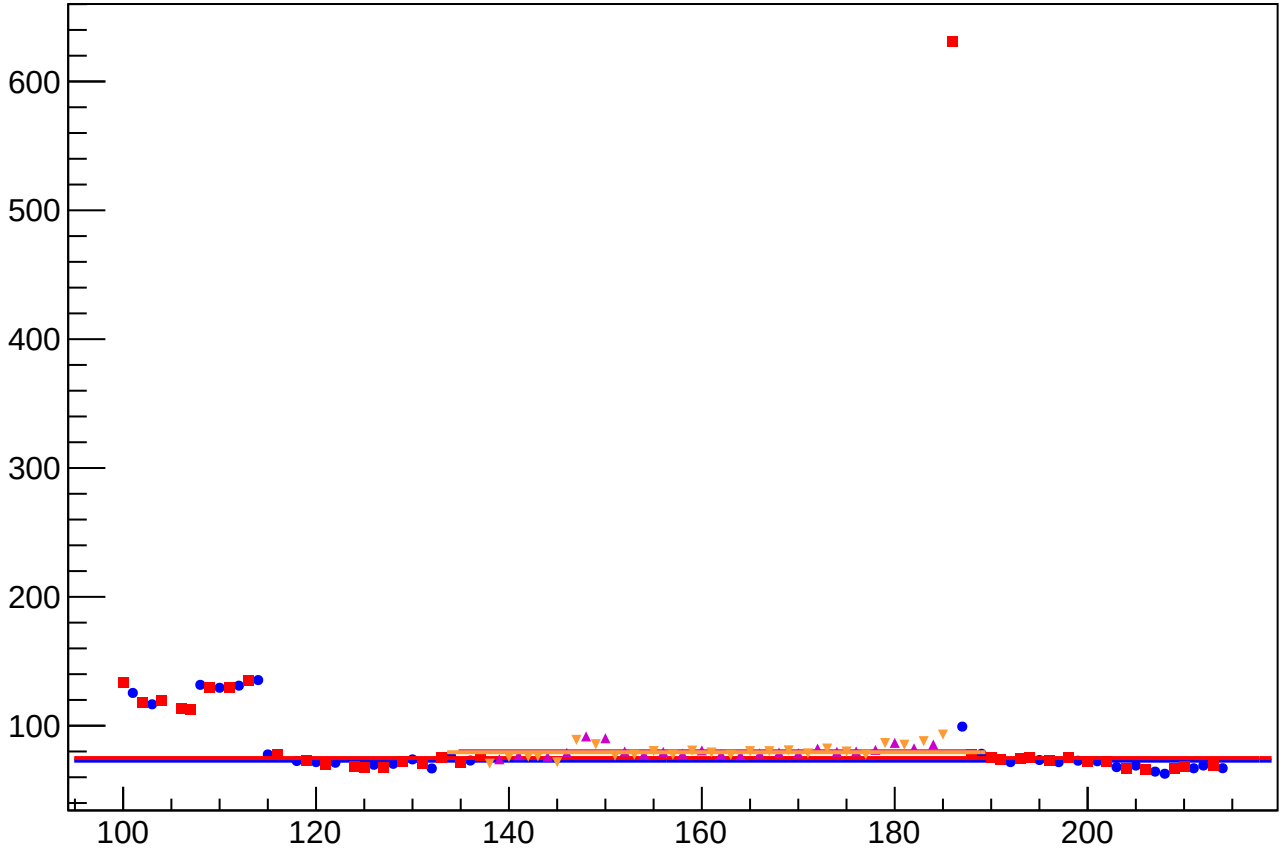
Right: -9.444+/-12.344 χ^2/NDF: 75.9/63

In: -72.521+/-12.716 χ^2/NDF:74.5/52

Out: -80.232+/-12.618 χ^2/NDF:117.4/58

All: -76.407+/-8.957 χ^2/NDF: 192.1/111

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



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

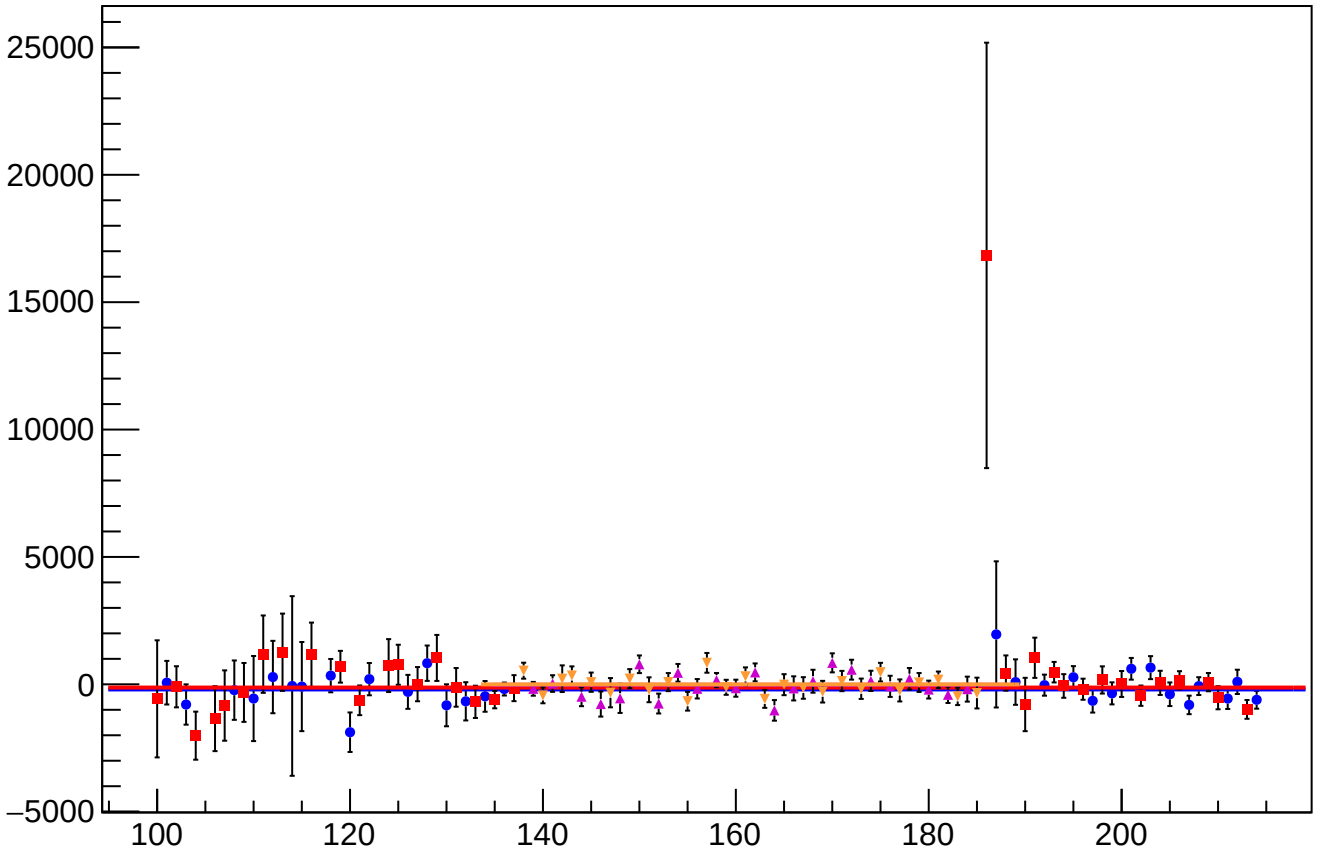
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 73.858+/-0.009 χ^2/NDF: 2912463.8/63

In: 76.219+/-0.009 χ^2/NDF:1366229.1/52

Out: 77.090+/-0.009 χ^2/NDF:1986733.6/58

All: 76.658+/-0.006 χ^2/NDF: 3357693.7/111



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

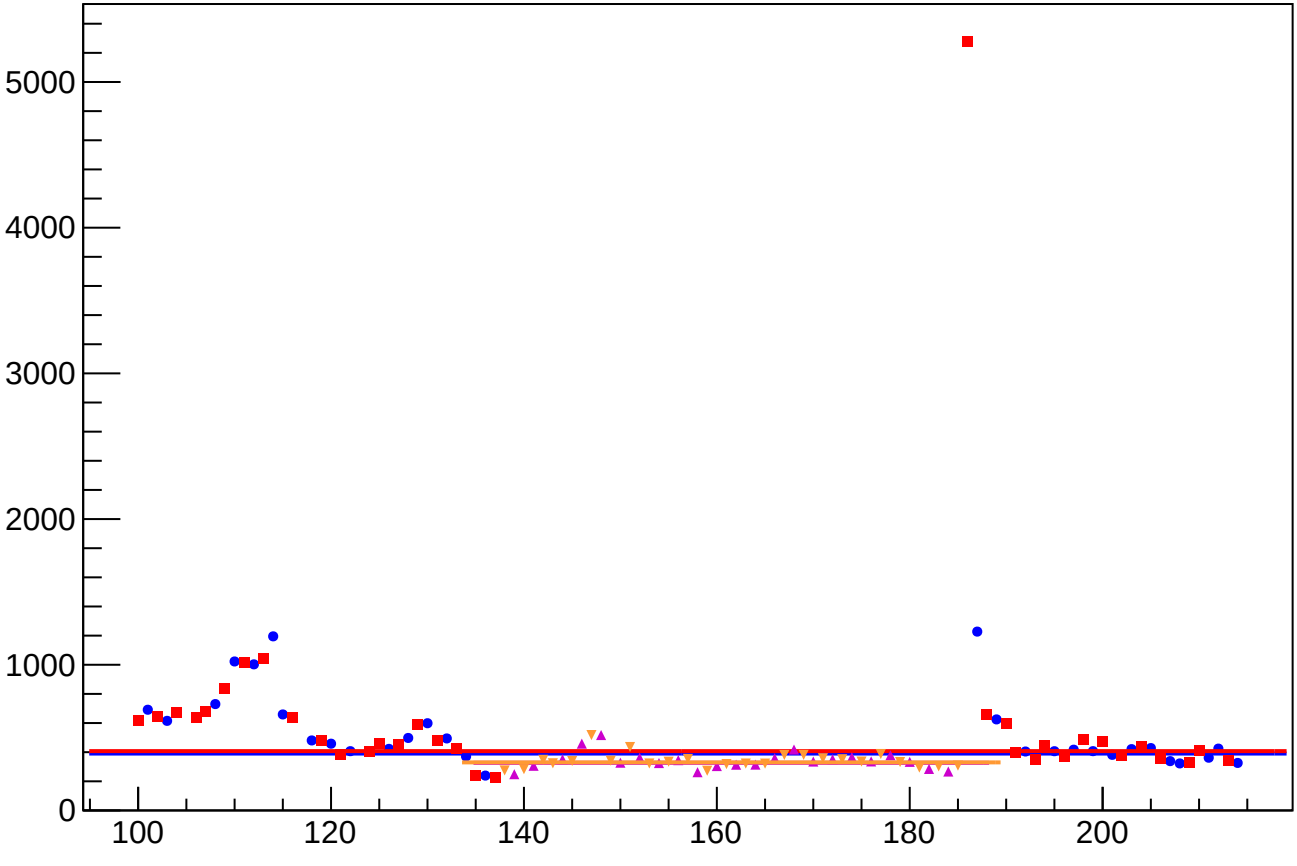
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -165.757+/-68.847 χ^2/NDF: 61.0/63

In: -91.518+/-60.239 χ^2/NDF:63.1/52

Out: -49.240+/-60.250 χ^2/NDF:59.9/58

All: -70.383+/-42.600 χ^2/NDF: 123.2/111



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

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

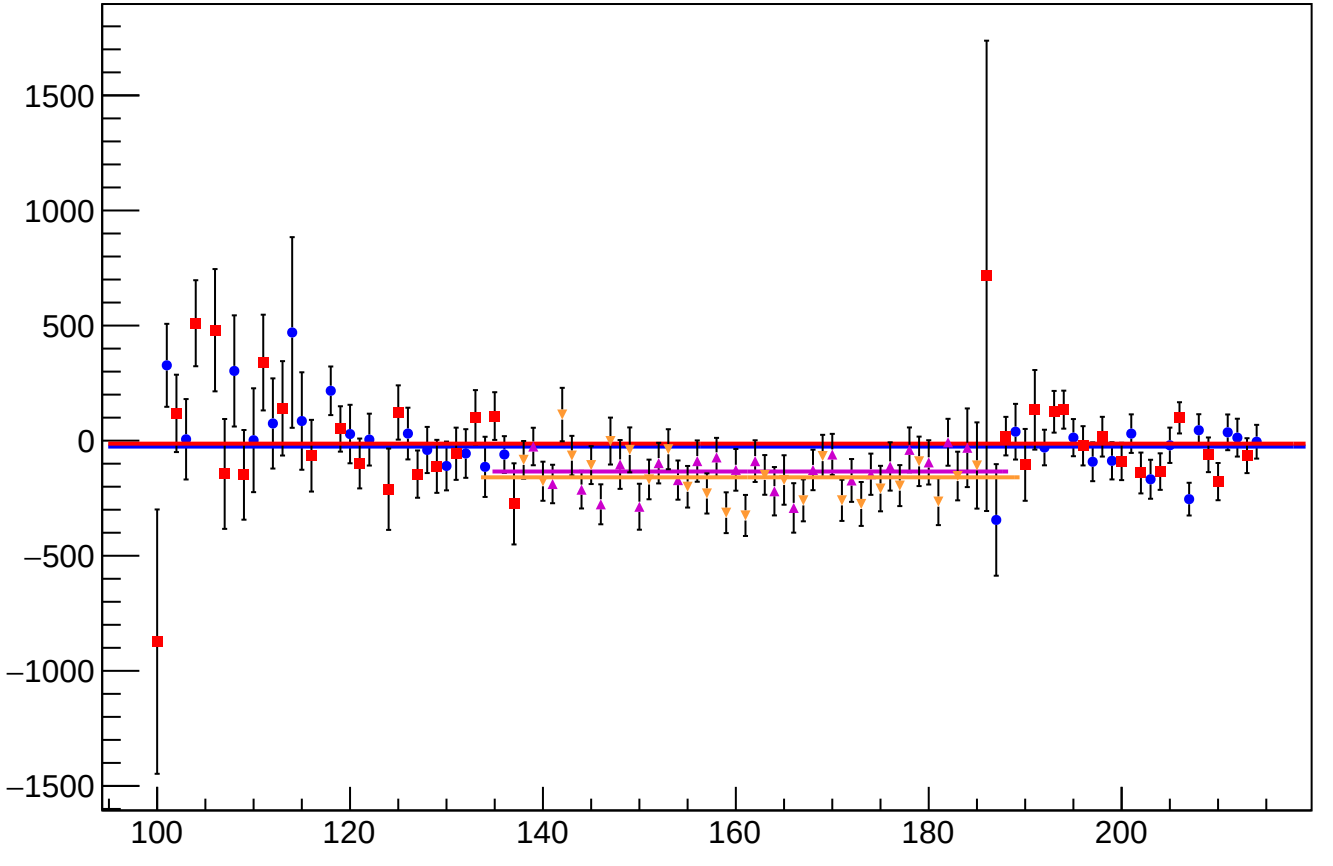
Right: 398.626+/-0.049 χ^2/NDF: 6697293.4/63

In: 352.193+/-0.043 χ^2/NDF:4354297.4/52

Out: 358.502+/-0.043 χ^2/NDF:5172748.2/58

All: 355.347+/-0.030 χ^2/NDF: 9538014.3/111

dit_asym_sam1_mean vs Slug, Sign Corrected



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

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

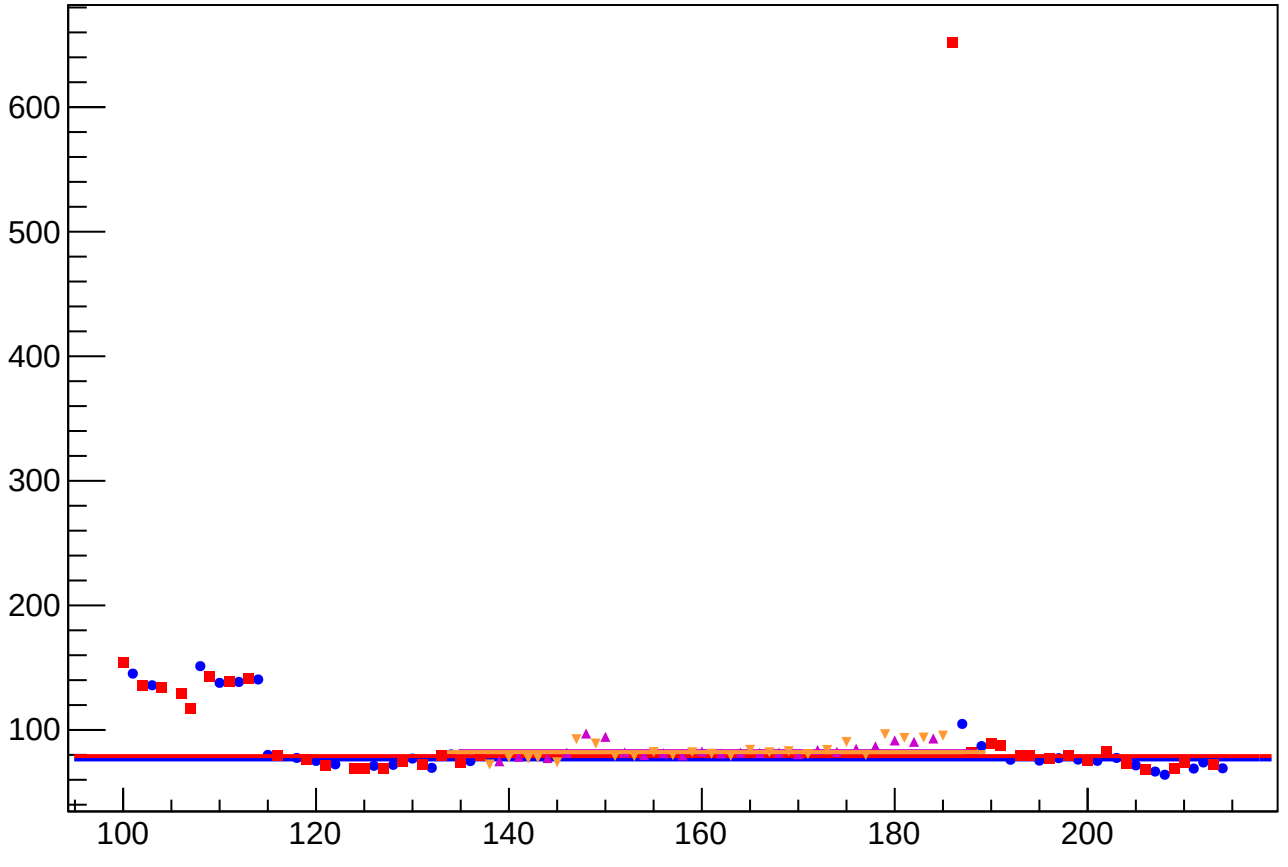
Right: -19.515+/-13.039 χ^2/NDF: 83.7/63

In: -76.342+/-13.291 χ^2/NDF:66.8/52

Out: -85.817+/-13.232 χ^2/NDF:108.3/58

All: -81.100+/-9.377 χ^2/NDF: 175.4/111

dit_asym_sam1_rms vs Slug, Sign Corrected



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

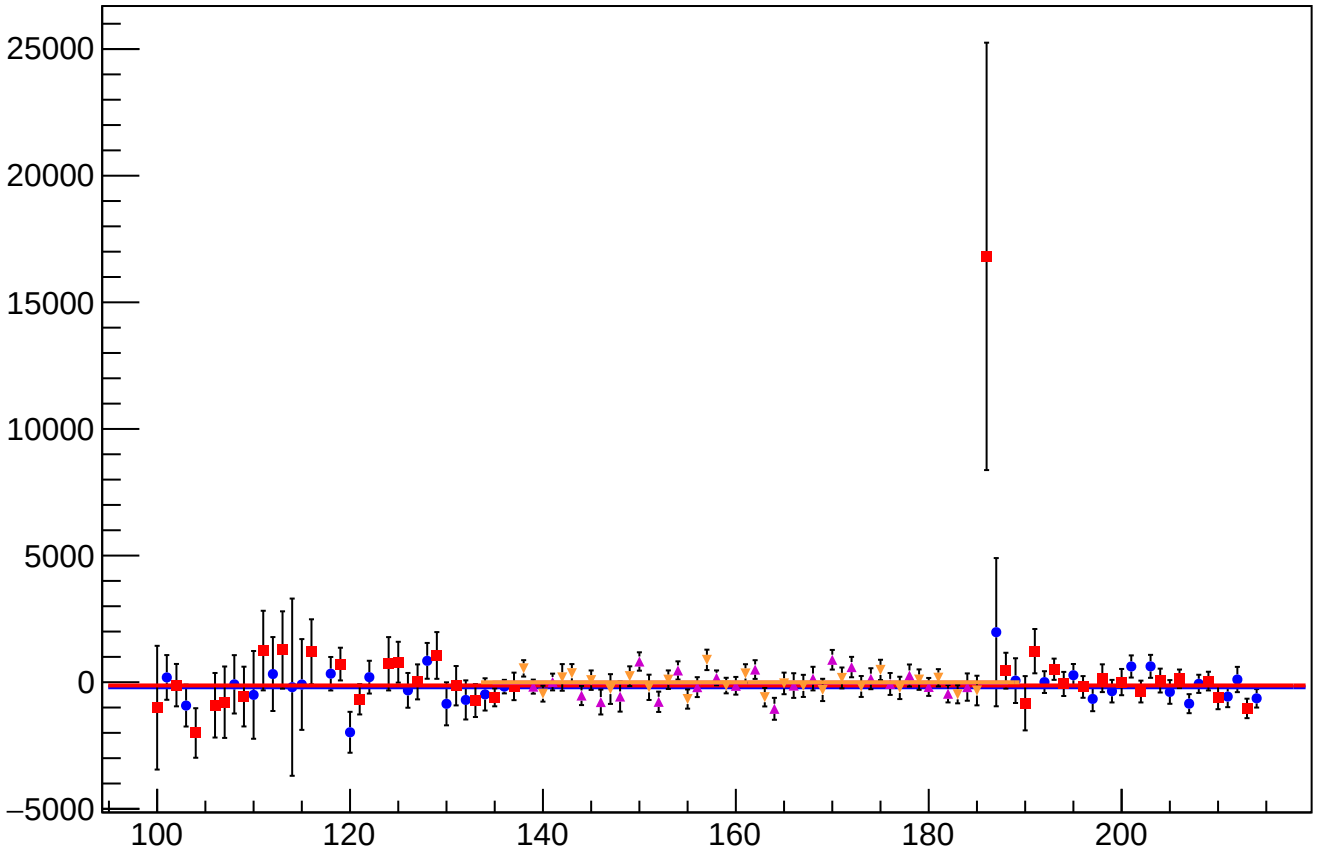
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 77.644+/-0.009 χ^2/NDF: 3313706.3/63

In: 79.450+/-0.009 χ^2/NDF:1598555.4/52

Out: 80.625+/-0.009 χ^2/NDF:2210830.2/58

All: 80.040+/-0.007 χ^2/NDF: 3817236.9/111



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

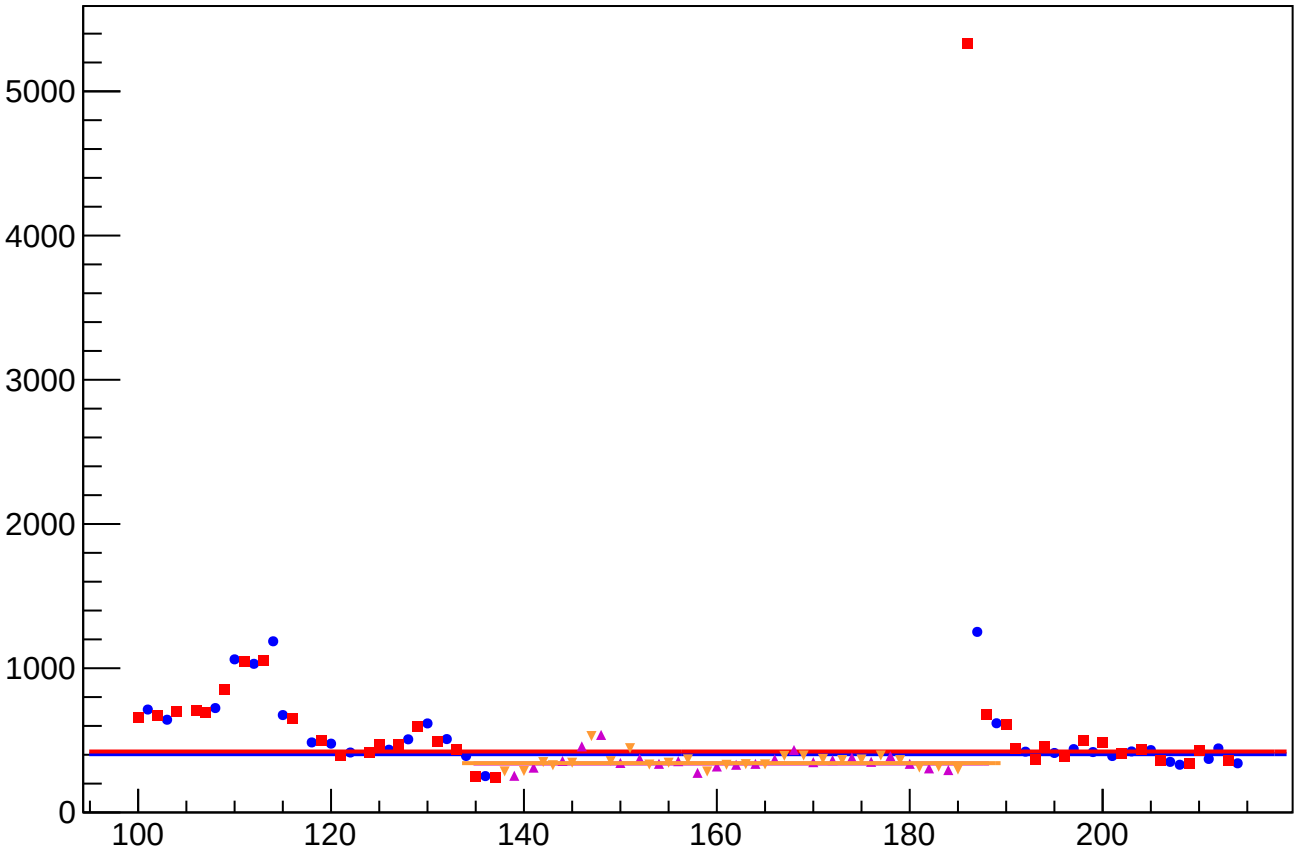
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -165.070+/-71.160 χ^2/NDF: 60.4/63

In: -89.308+/-62.353 χ^2/NDF:63.1/52

Out: -49.377+/-62.393 χ^2/NDF:58.5/58

All: -69.355+/-44.104 χ^2/NDF: 121.8/111



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

Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

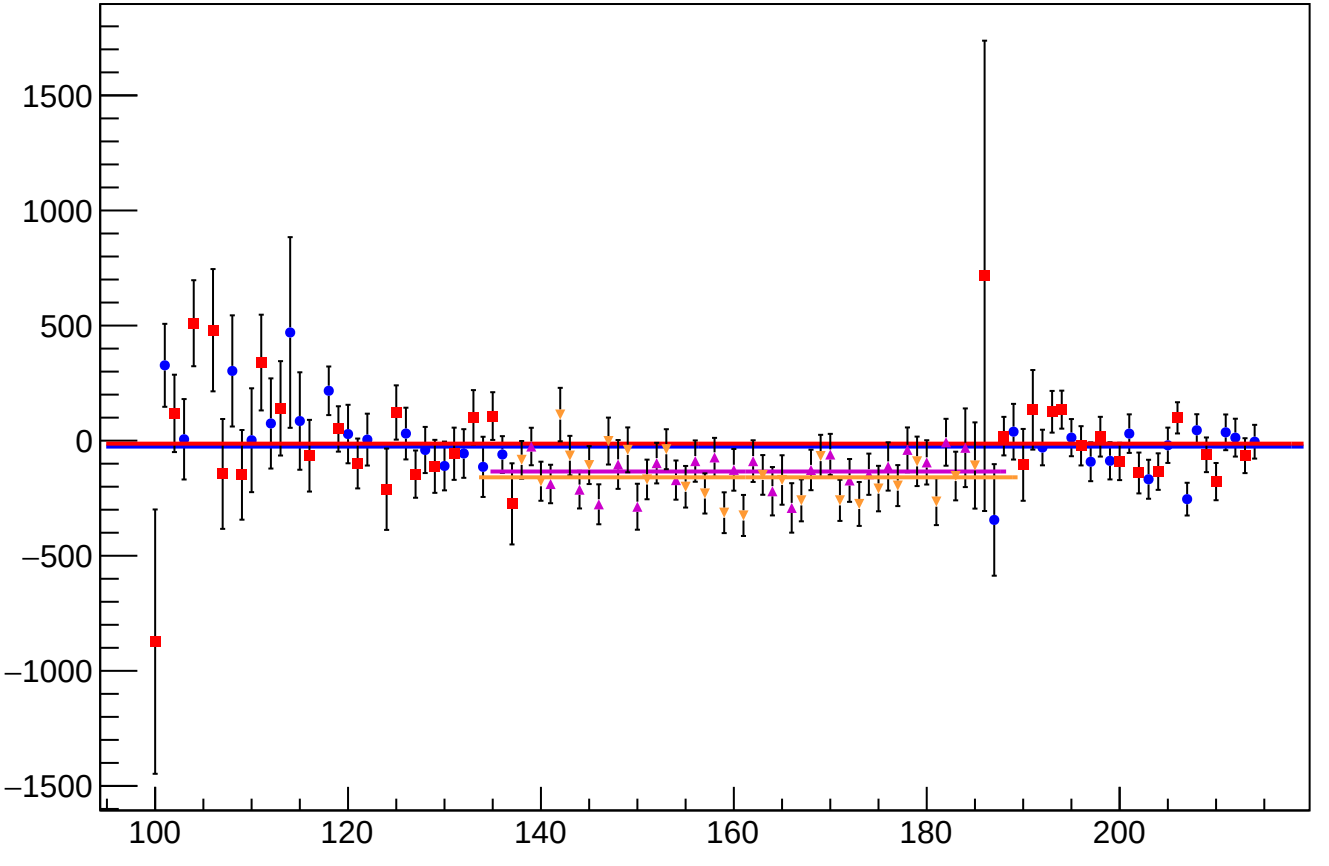
Right: 412.948+/-0.050 χ^2/NDF: 6507252.8/63

In: 365.186+/-0.044 χ^2/NDF:4158833.3/52

Out: 371.729+/-0.044 χ^2/NDF:5108626.2/58

All: 368.455+/-0.031 χ^2/NDF: 9278463.1/111

eigen_dit_asym_sam1_mean vs Slug, Sign Corrected



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

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

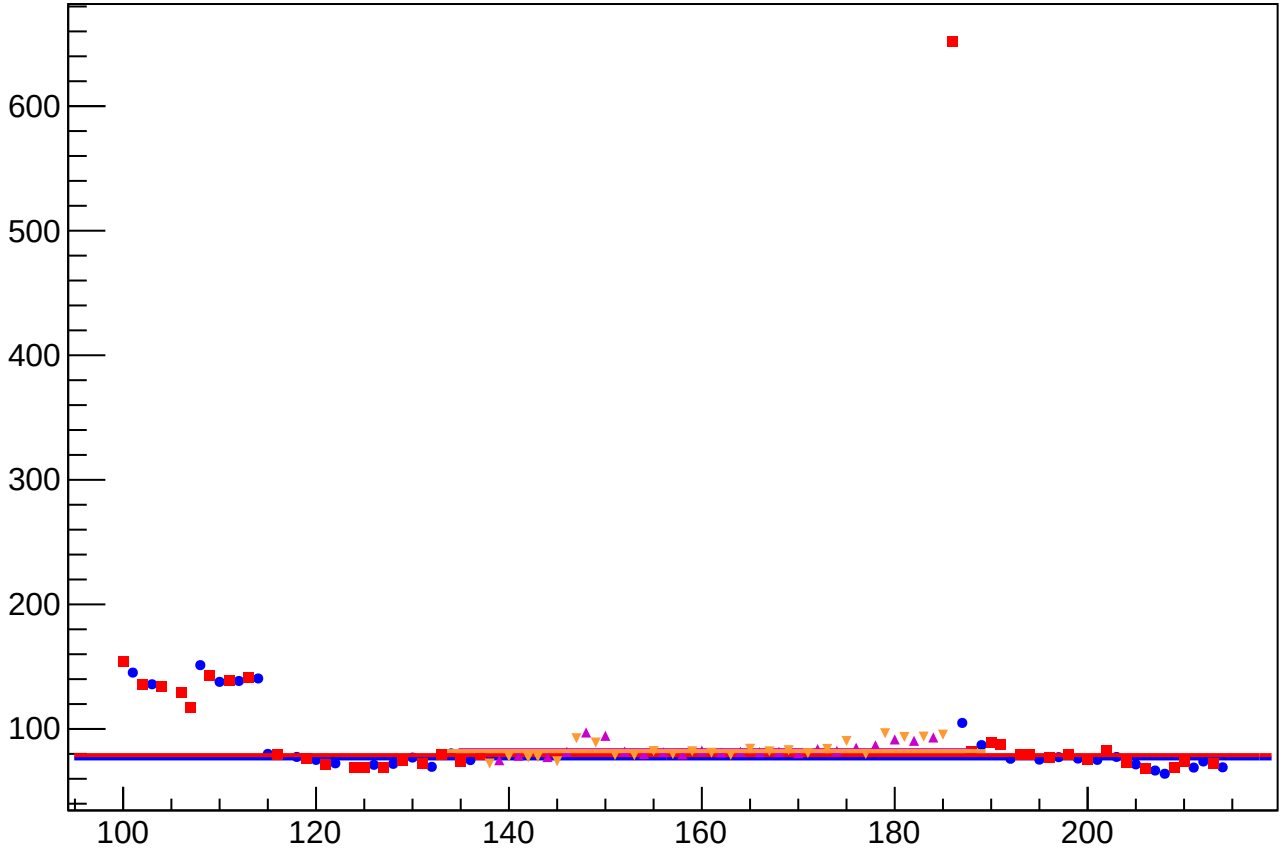
Right: -19.515+/-13.039 χ^2/NDF: 83.7/63

In: -76.341+/-13.291 χ^2/NDF:66.8/52

Out: -85.817+/-13.232 χ^2/NDF:108.3/58

All: -81.100+/-9.377 χ^2/NDF: 175.4/111

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



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

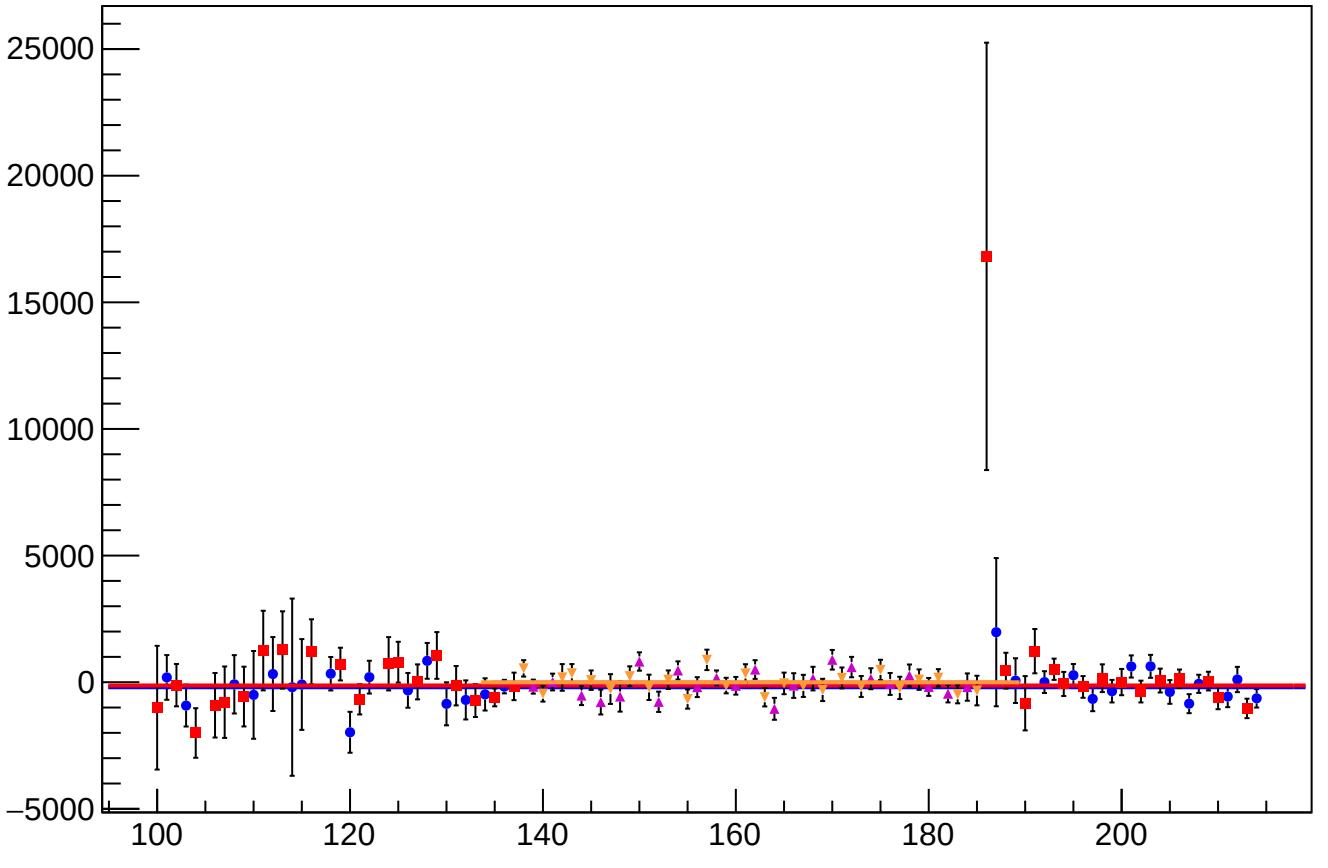
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 77.644+/-0.009 χ^2/NDF: 3313707.2/63

In: 79.450+/-0.009 χ^2/NDF:1598558.9/52

Out: 80.625+/-0.009 χ^2/NDF:2210833.2/58

All: 80.040+/-0.007 χ^2/NDF: 3817243.4/111



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

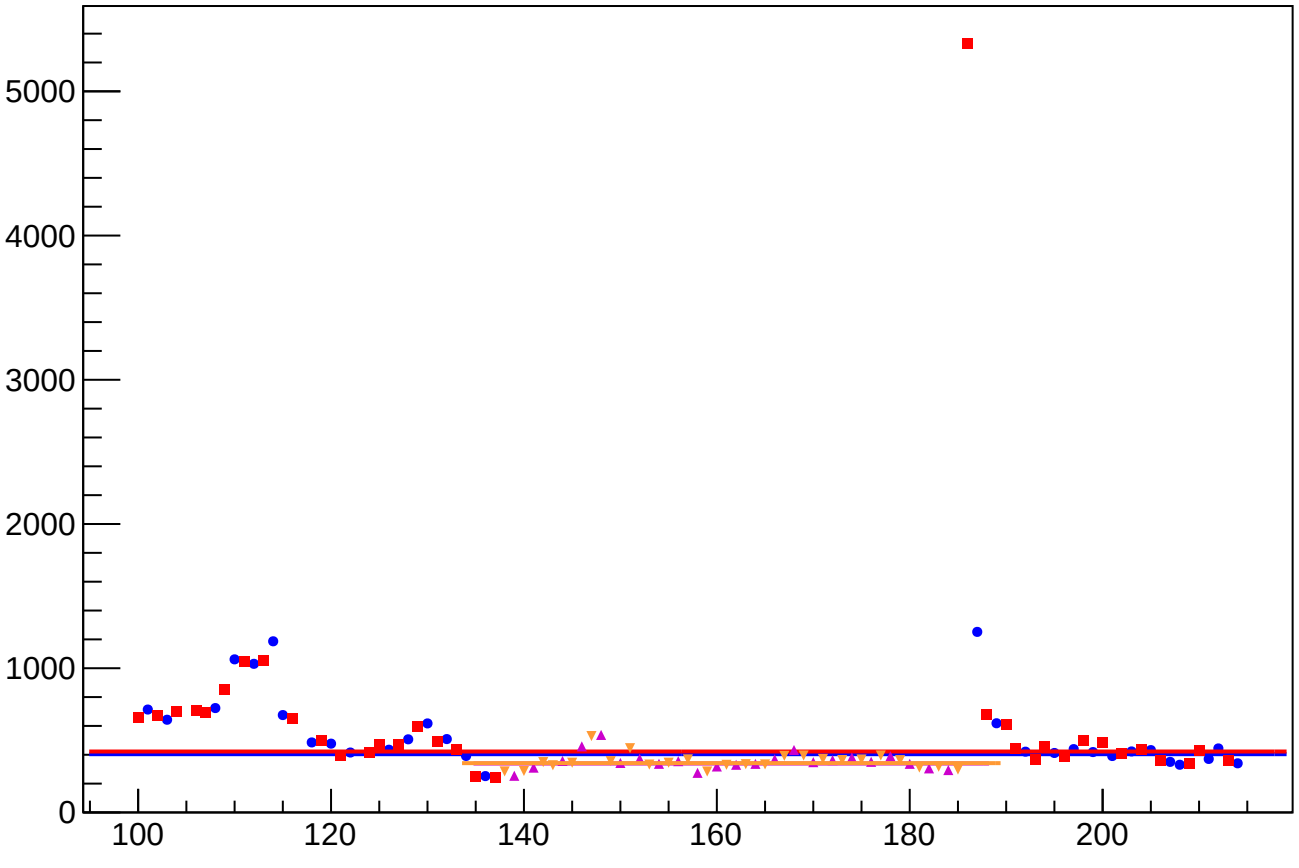
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -165.070+/-71.160 χ^2/NDF: 60.4/63

In: -89.308+/-62.353 χ^2/NDF:63.1/52

Out: -49.377+/-62.393 χ^2/NDF:58.5/58

All: -69.355+/-44.104 χ^2/NDF: 121.8/111



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

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

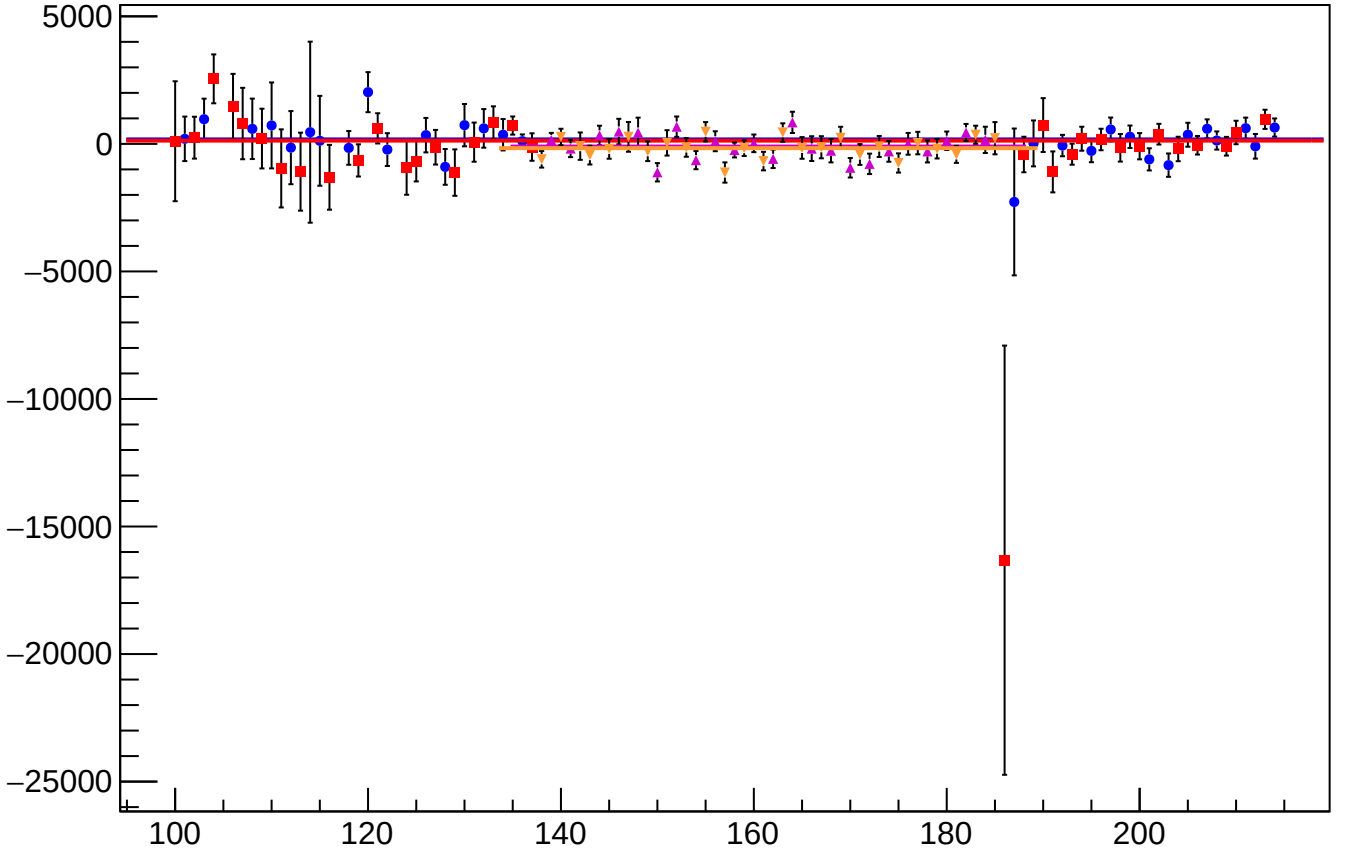
Right: 412.947+/-0.050 χ^2/NDF: 6507263.2/63

In: 365.185+/-0.044 χ^2/NDF:4158830.5/52

Out: 371.728+/-0.044 χ^2/NDF:5108619.6/58

All: 368.455+/-0.031 χ^2/NDF: 9278453.8/111

asym_sam1_mean vs Slug, Sign Corrected



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

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

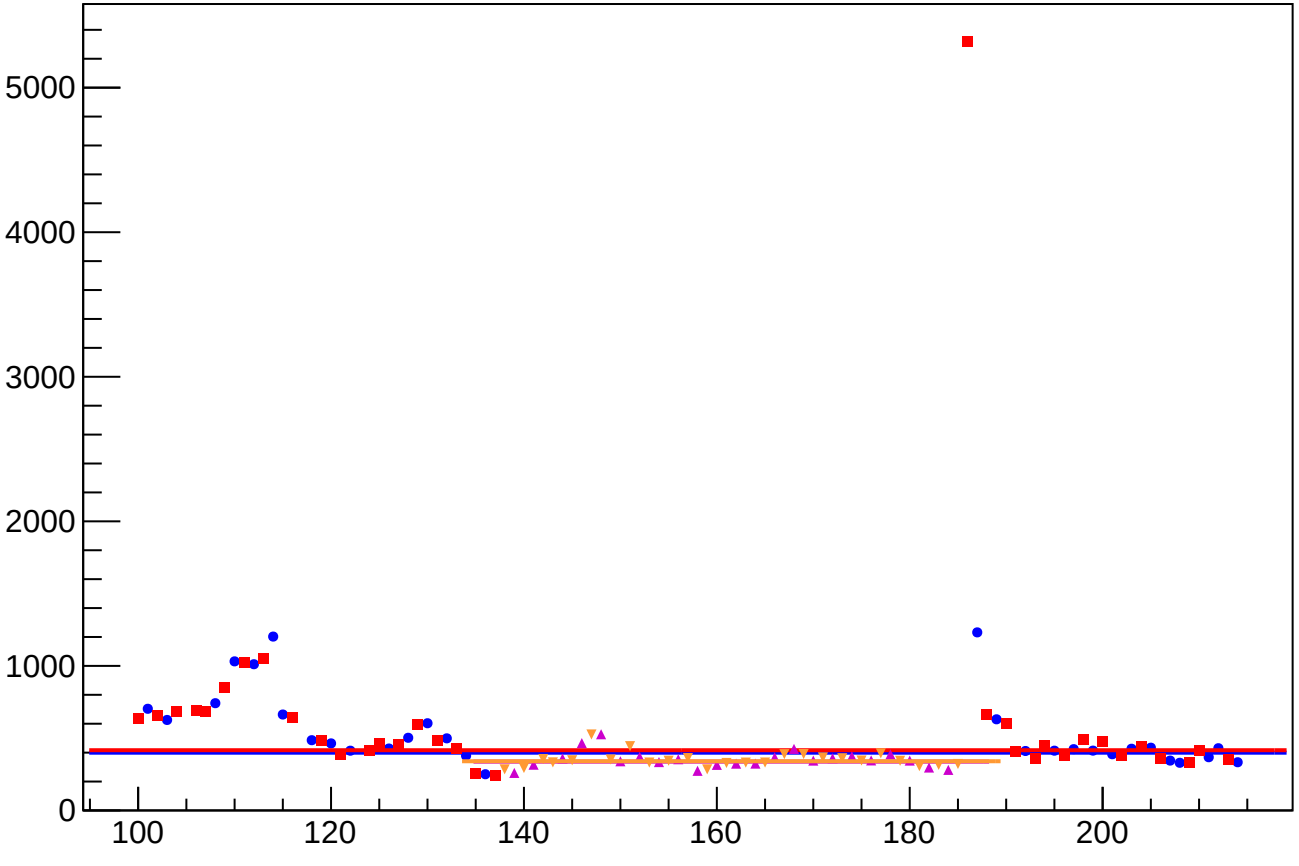
Right: 152.425+/-70.241 χ^2/NDF: 63.2/63

In: 7.868+/-61.879 χ^2/NDF:68.7/52

Out: -56.623+/-61.851 χ^2/NDF:67.7/58

All: -24.392+/-43.745 χ^2/NDF: 136.9/111

asym_sam1_rms vs Slug, Sign Corrected



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

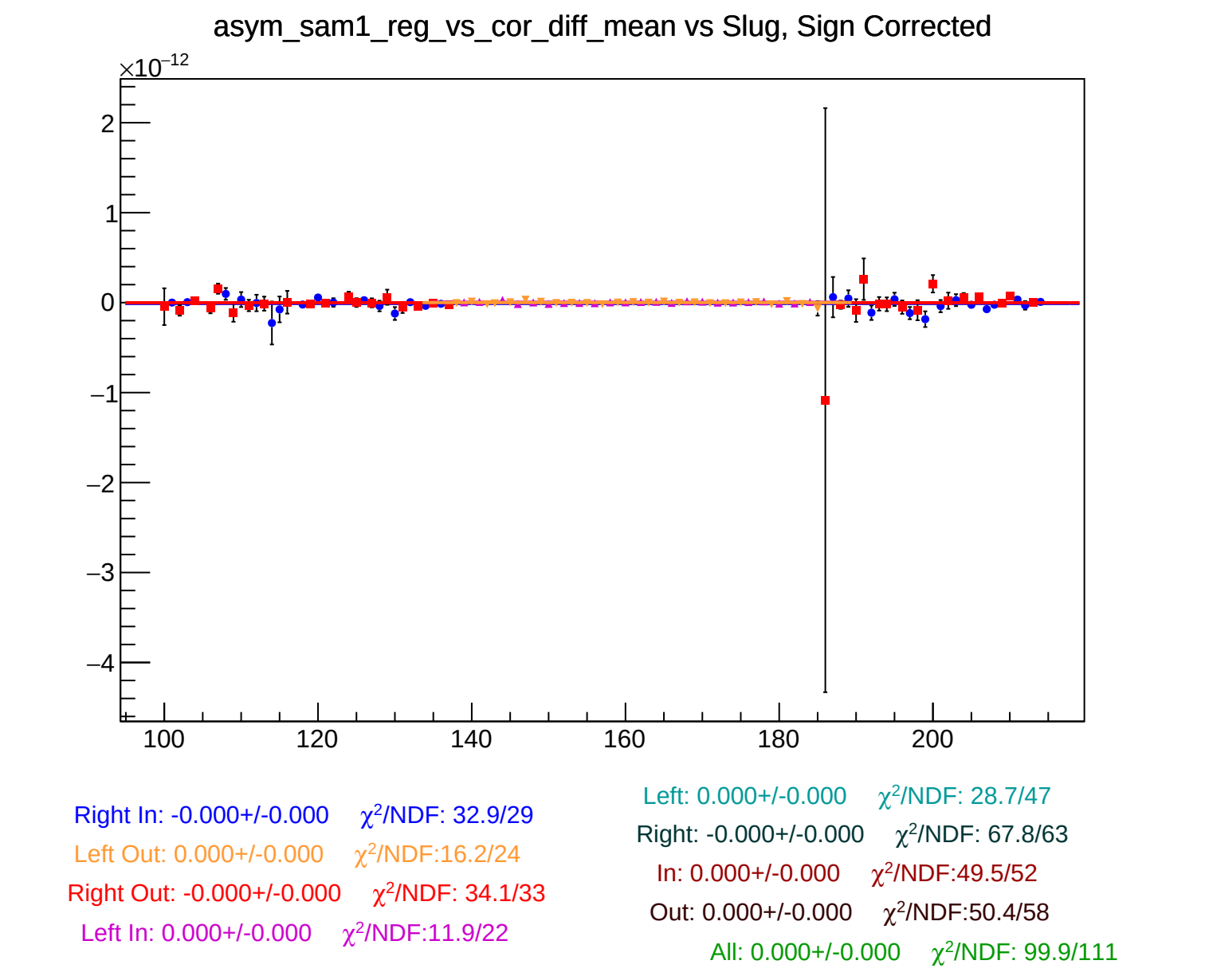
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

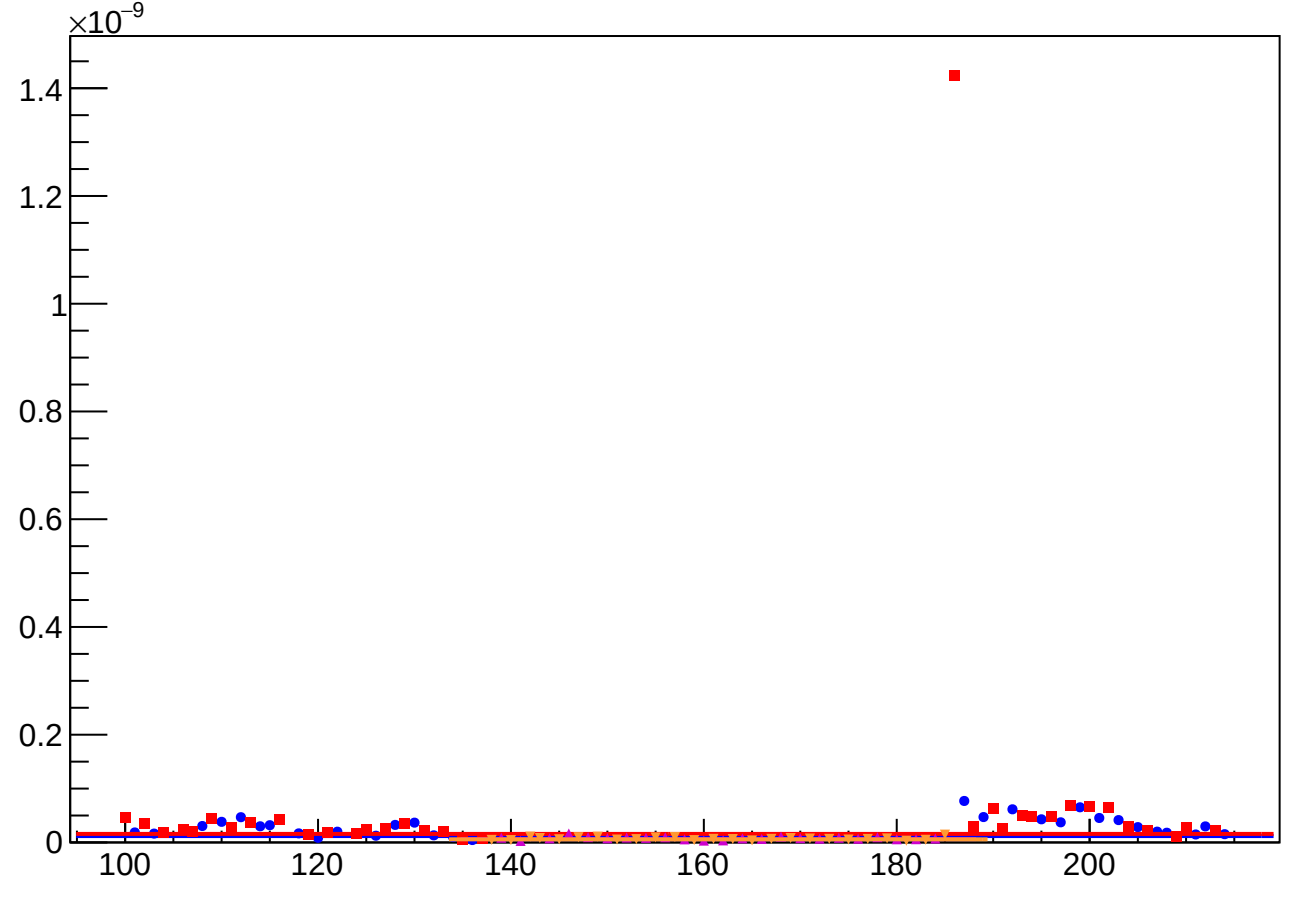
Right: 407.828+/-0.050 χ^2/NDF: 6437782.2/63

In: 362.586+/-0.044 χ^2/NDF:4080325.5/52

Out: 368.931+/-0.044 χ^2/NDF:4944776.8/58

All: 365.760+/-0.031 χ^2/NDF: 9035622.1/111


asym_sam1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 32.9/29
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.1/33
Left In: 0.000+/-0.000 χ²/NDF:11.9/22
Left: 0.000+/-0.000 χ²/NDF: 28.7/47
Right: -0.000+/-0.000 χ²/NDF: 67.8/63
In: 0.000+/-0.000 χ²/NDF:49.5/52
Out: 0.000+/-0.000 χ²/NDF:50.4/58
All: 0.000+/-0.000 χ²/NDF: 99.9/111



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

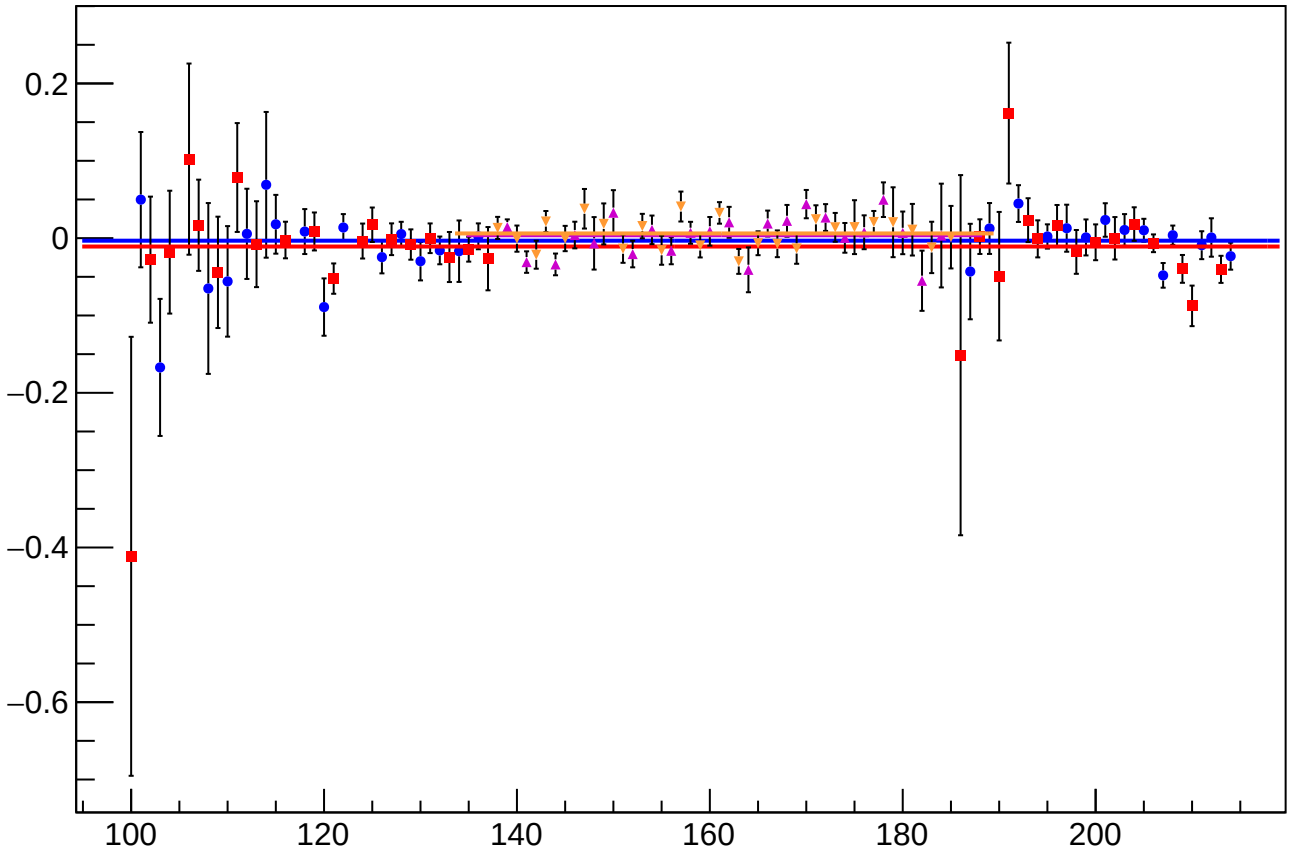
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 15537044.2/63

In: 0.000+/-0.000 χ^2/NDF:11465055.0/52

Out: 0.000+/-0.000 χ^2/NDF:12479373.2/58

All: 0.000+/-0.000 χ^2/NDF: 23978151.9/111



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

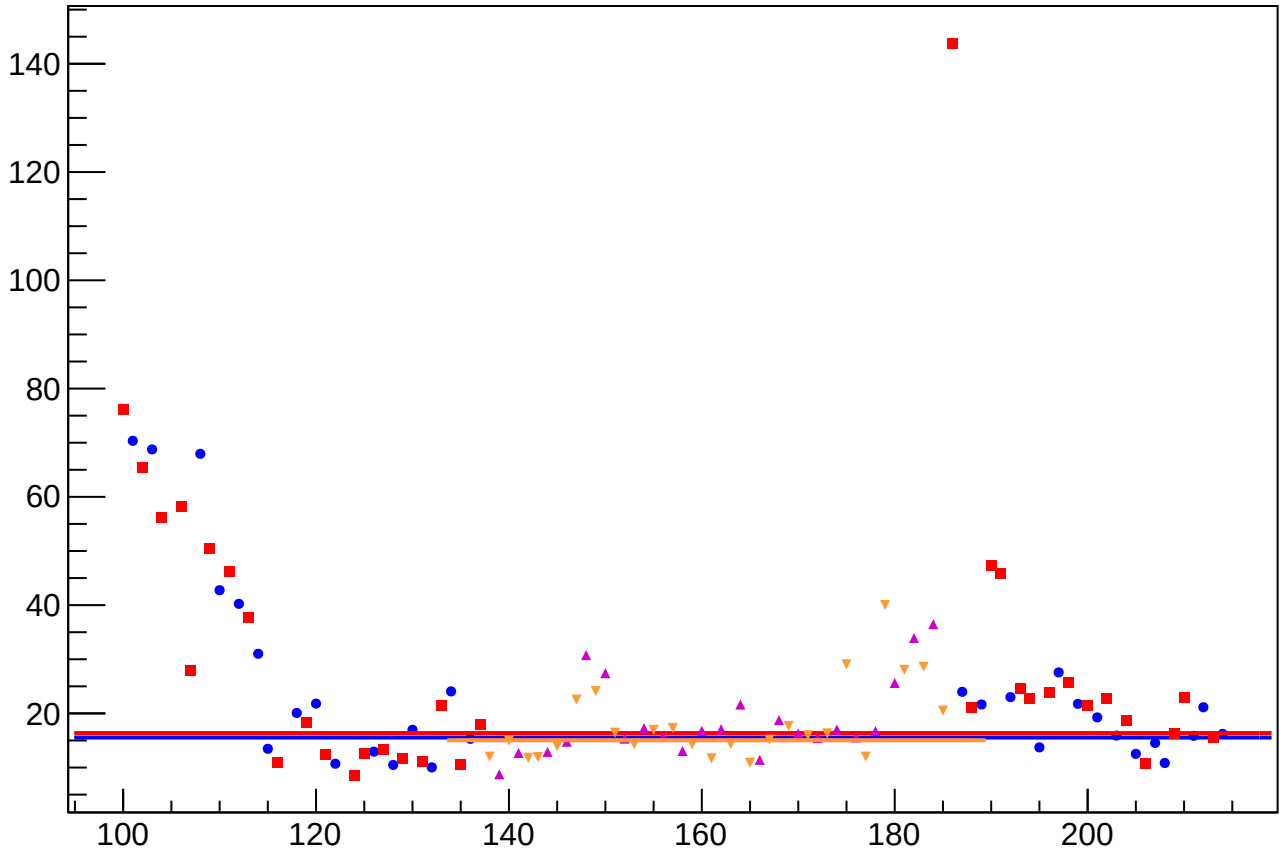
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.007+/-0.003 χ^2/NDF: 70.5/63

In: 0.000+/-0.003 χ^2/NDF:71.6/52

Out: -0.001+/-0.003 χ^2/NDF:71.6/58

All: -0.000+/-0.002 χ^2/NDF: 143.3/111



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

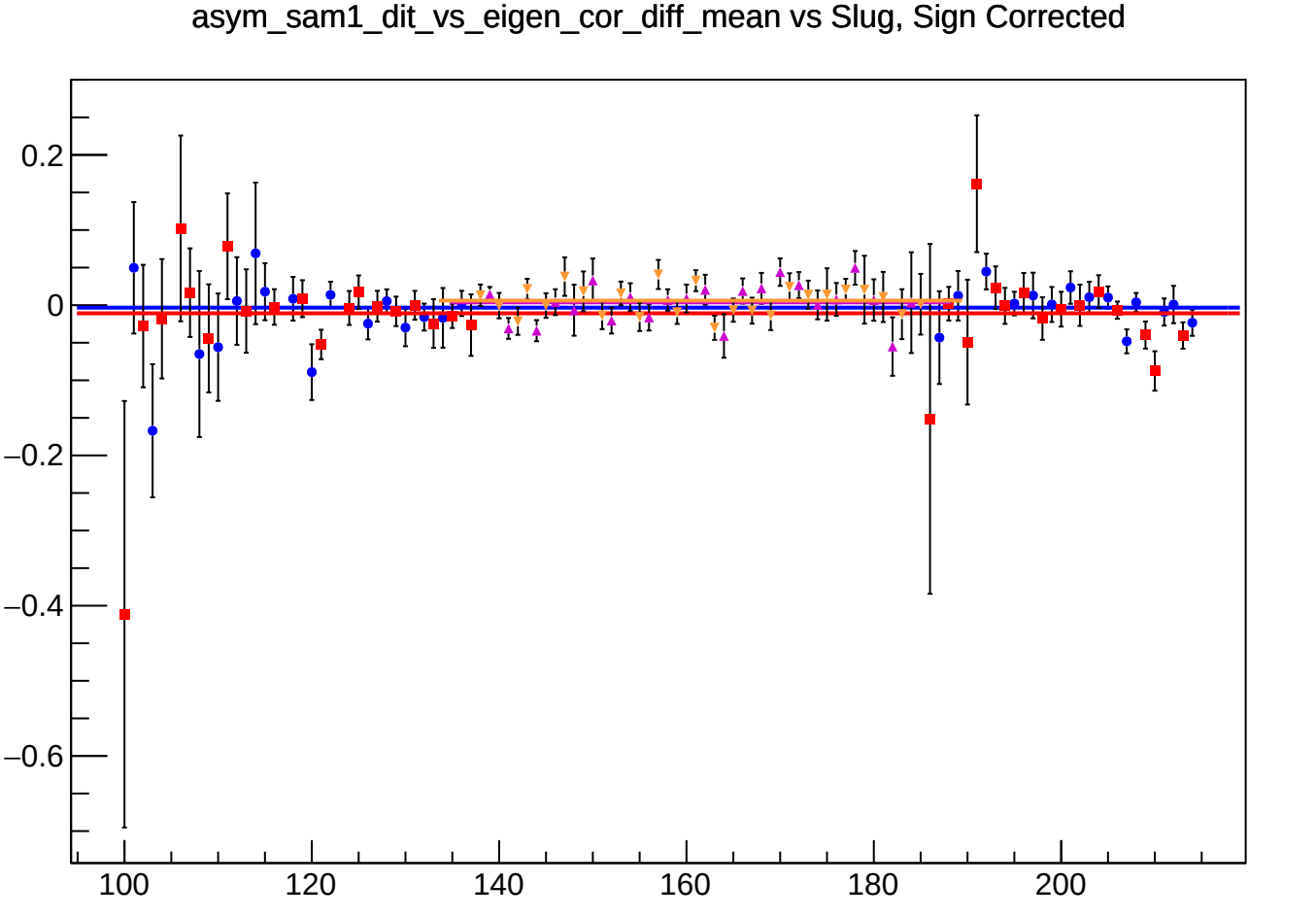
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.933+/-0.002 χ^2/NDF: 11365735.9/63

In: 15.288+/-0.002 χ^2/NDF:7856205.9/52

Out: 15.601+/-0.002 χ^2/NDF:9418222.7/58

All: 15.444+/-0.001 χ^2/NDF: 17286917.5/111



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

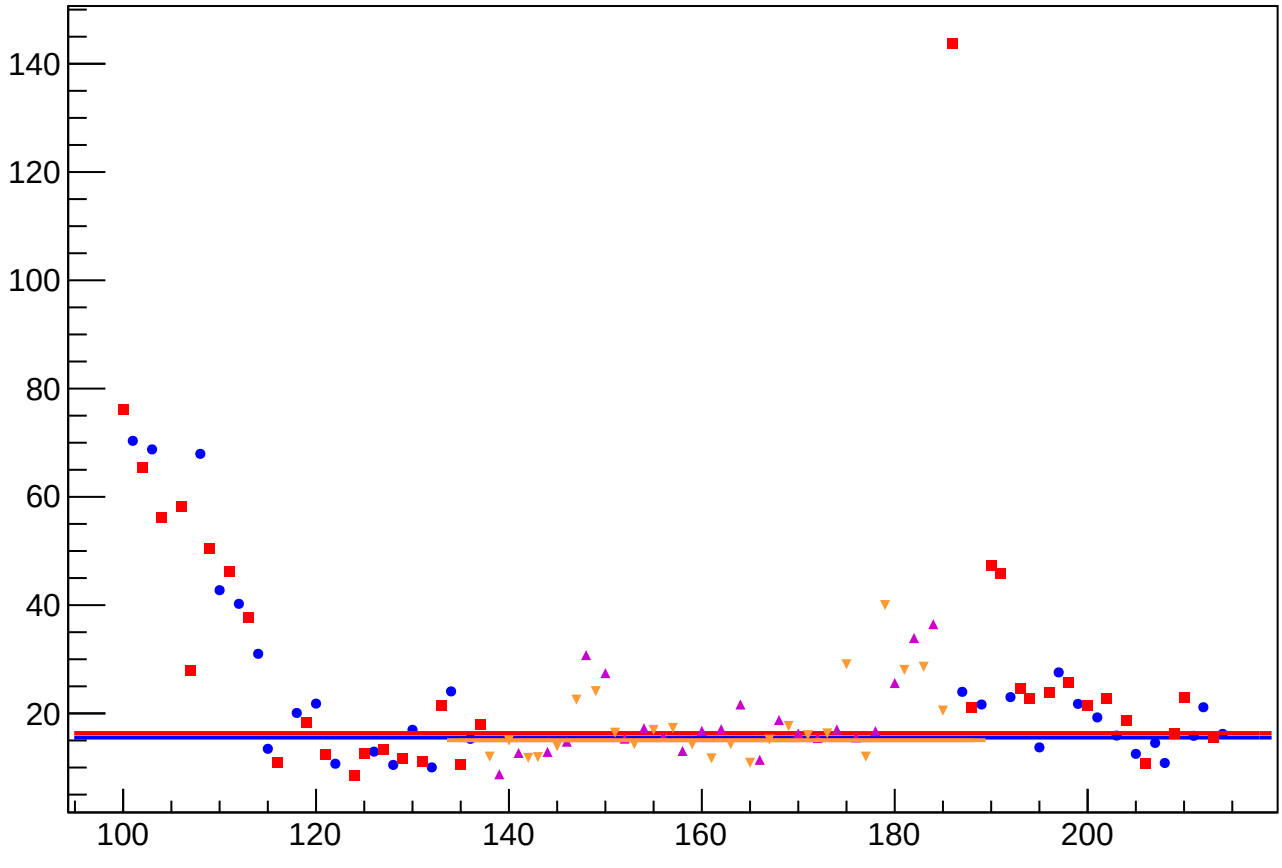
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.007+/-0.003 χ^2/NDF: 70.5/63

In: 0.000+/-0.003 χ^2/NDF:71.6/52

Out: -0.001+/-0.003 χ^2/NDF:71.6/58

All: -0.000+/-0.002 χ^2/NDF: 143.3/111



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

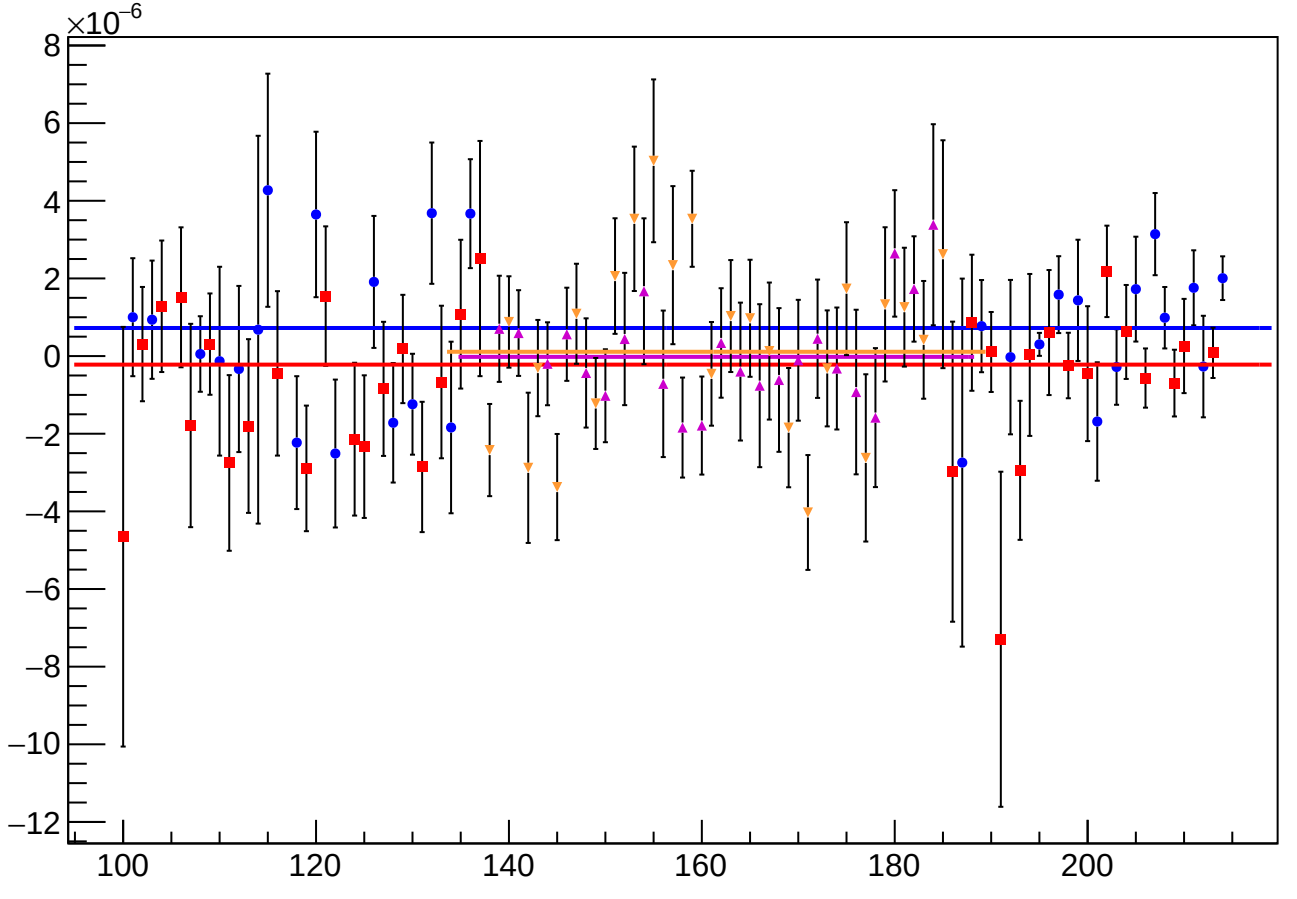
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.933+/-0.002 χ^2/NDF: 11365735.9/63

In: 15.288+/-0.002 χ^2/NDF:7856205.9/52

Out: 15.601+/-0.002 χ^2/NDF:9418222.7/58

All: 15.444+/-0.001 χ^2/NDF: 17286917.5/111



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

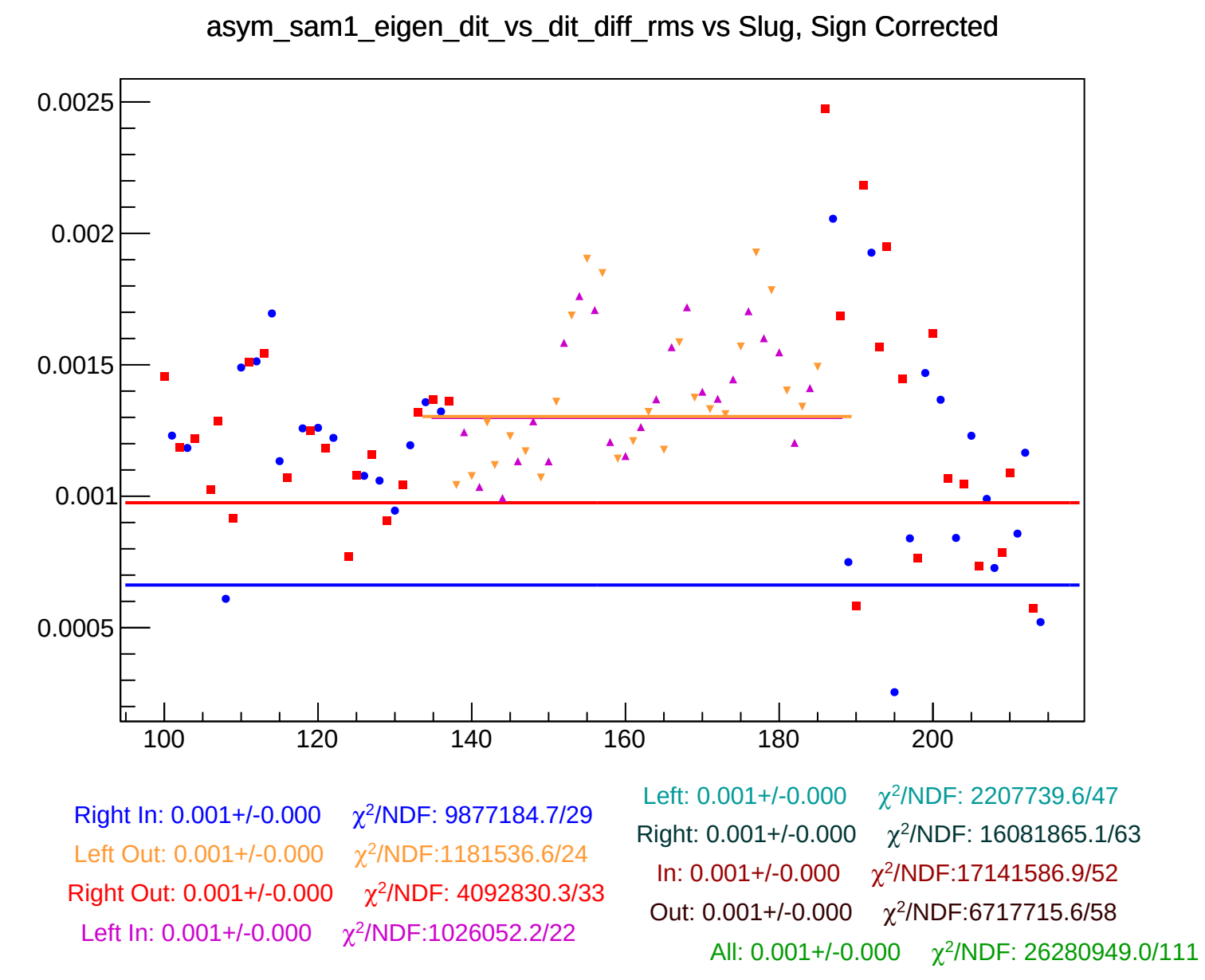
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

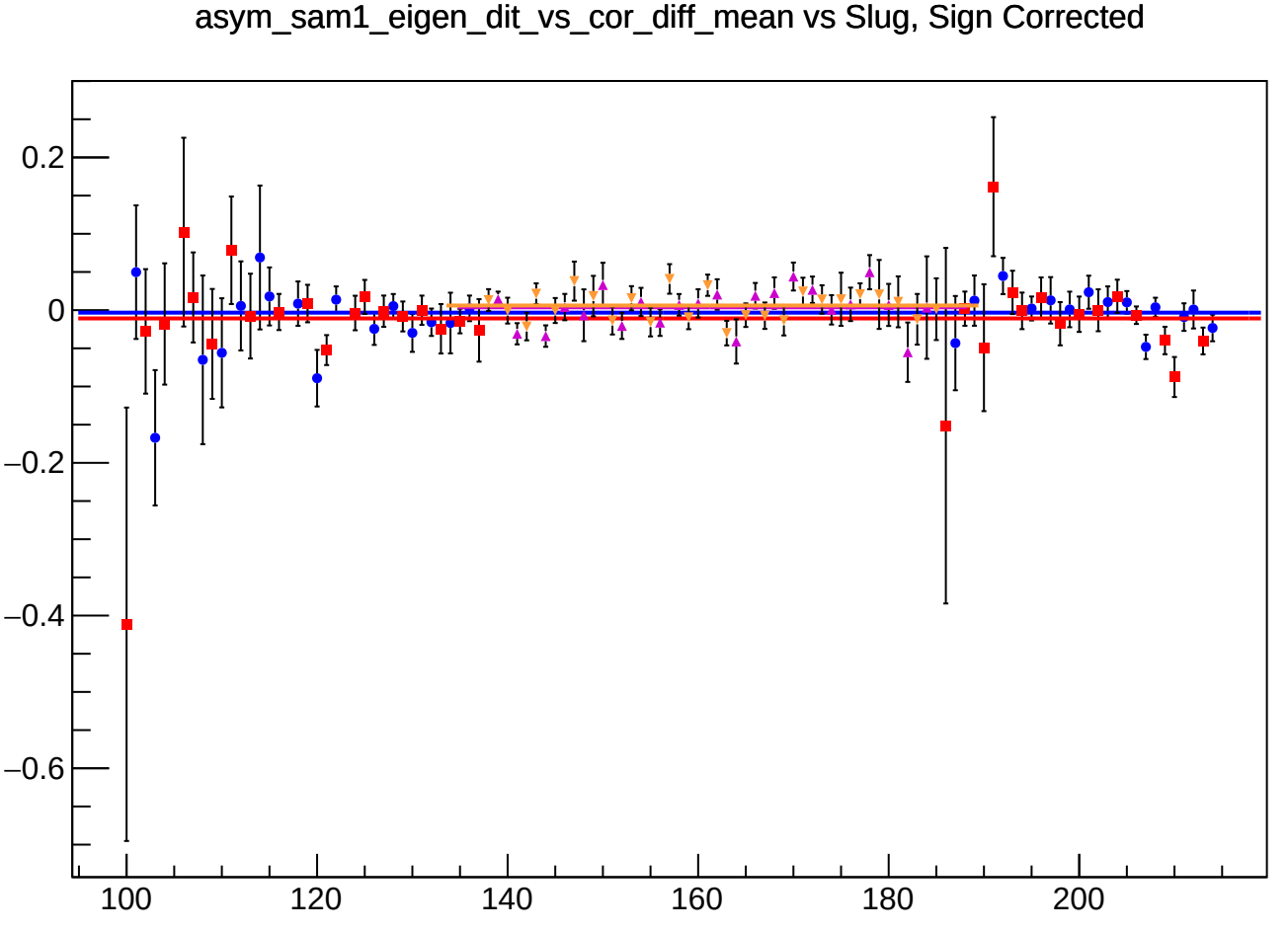
Right: 0.000+/-0.000 χ^2/NDF: 79.9/63

In: 0.000+/-0.000 χ^2/NDF:62.1/52

Out: -0.000+/-0.000 χ^2/NDF:77.3/58

All: 0.000+/-0.000 χ^2/NDF: 145.7/111


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 9877184.7/29
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 4092830.3/33
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
Left: 0.001+/-0.000 χ²/NDF: 2207739.6/47
Right: 0.001+/-0.000 χ²/NDF: 16081865.1/63
In: 0.001+/-0.000 χ²/NDF:17141586.9/52
Out: 0.001+/-0.000 χ²/NDF:6717715.6/58
All: 0.001+/-0.000 χ²/NDF: 26280949.0/111



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

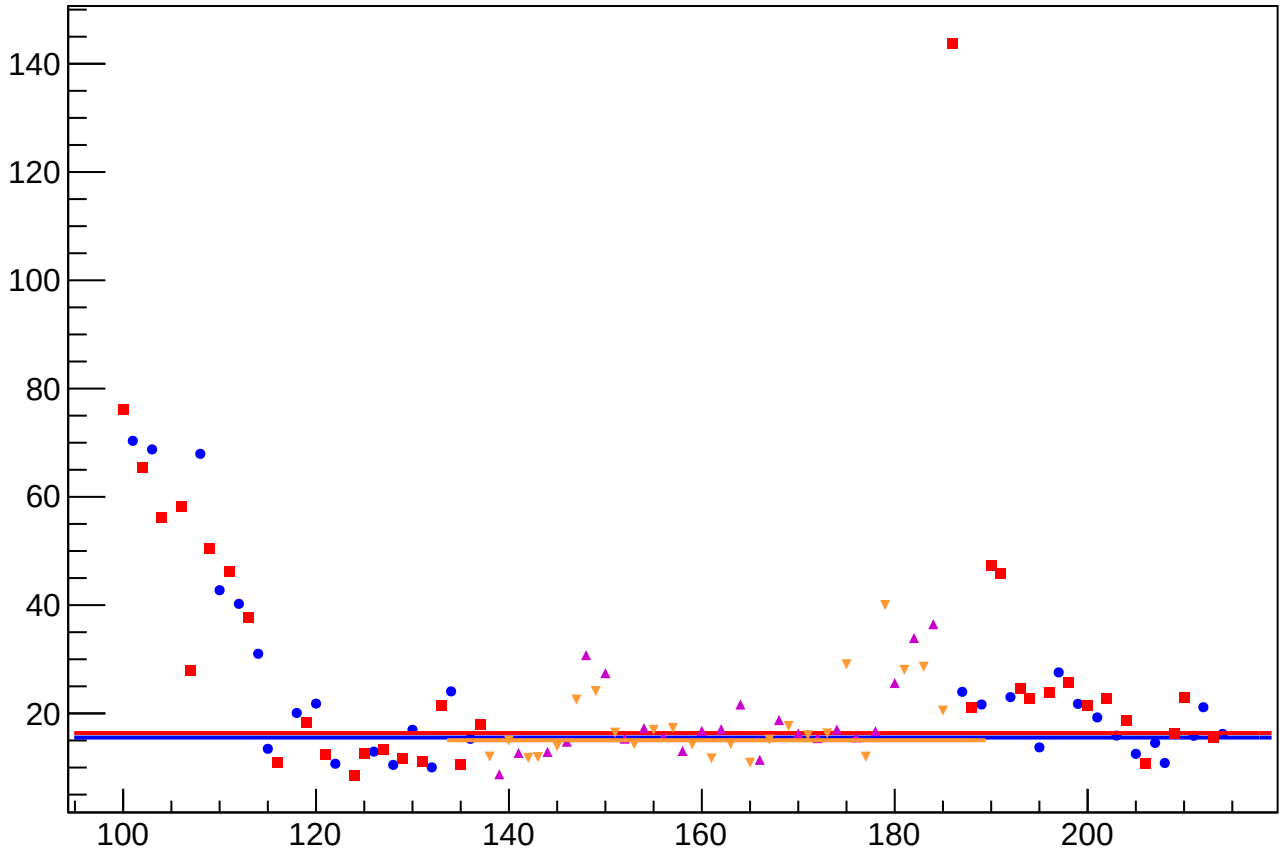
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.007+/-0.003 χ^2/NDF: 70.5/63

In: 0.000+/-0.003 χ^2/NDF:71.6/52

Out: -0.001+/-0.003 χ^2/NDF:71.6/58

All: -0.000+/-0.002 χ^2/NDF: 143.3/111



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

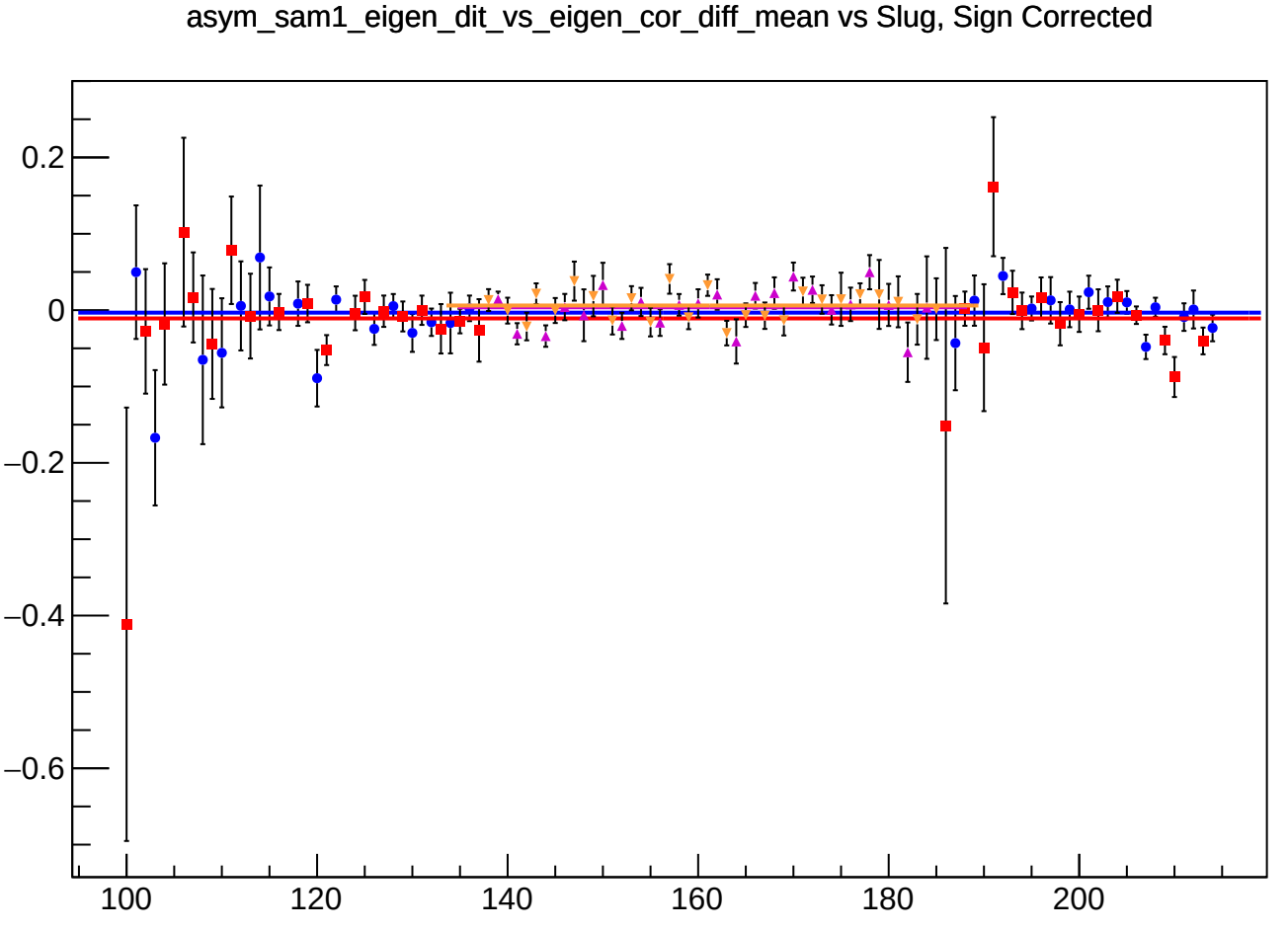
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.933+/-0.002 χ^2/NDF: 11365709.2/63

In: 15.288+/-0.002 χ^2/NDF:7856243.9/52

Out: 15.601+/-0.002 χ^2/NDF:9418399.2/58

All: 15.444+/-0.001 χ^2/NDF: 17287131.9/111



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

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

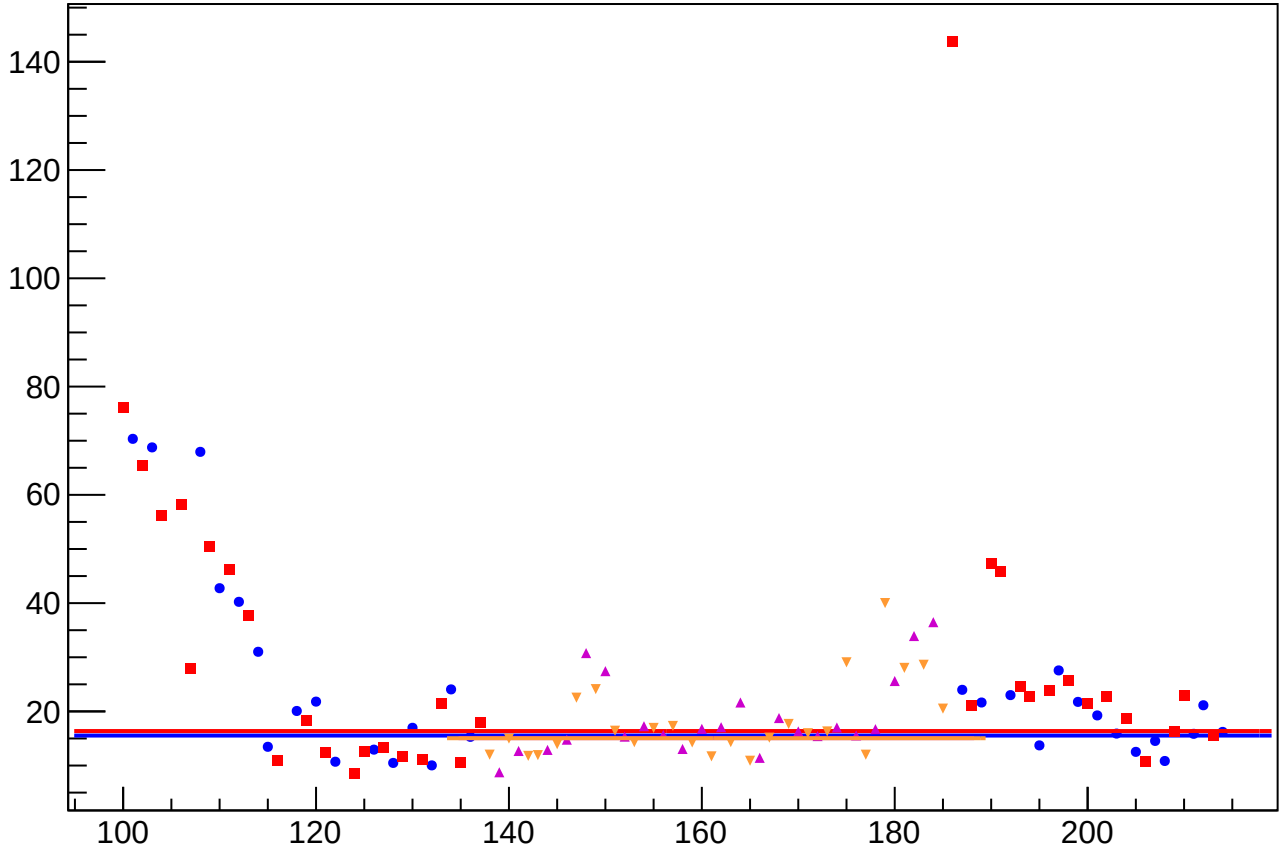
Right: -0.007+/-0.003 χ^2/NDF: 70.5/63

In: 0.000+/-0.003 χ^2/NDF:71.6/52

Out: -0.001+/-0.003 χ^2/NDF:71.6/58

All: -0.000+/-0.002 χ^2/NDF: 143.3/111

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

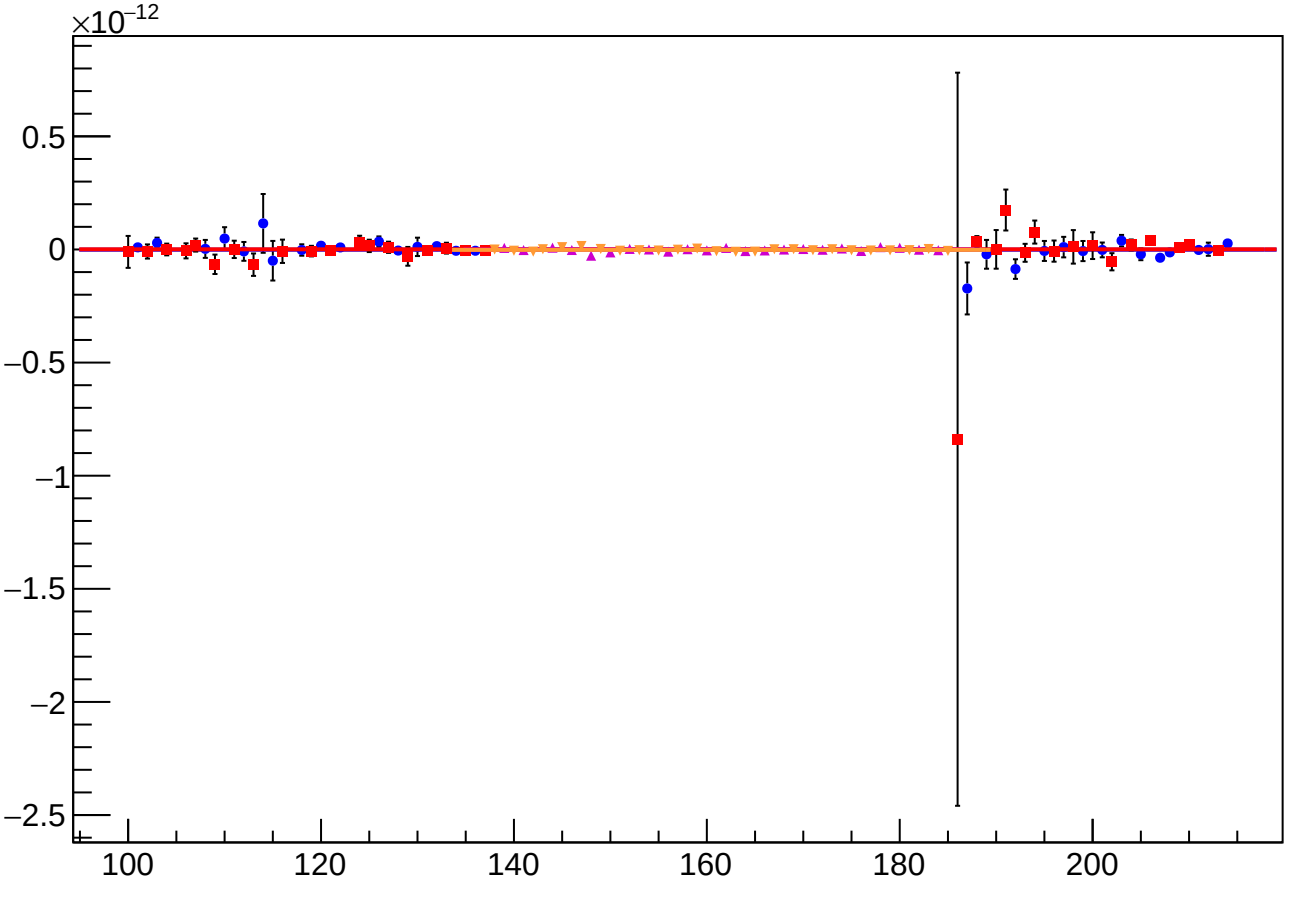
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.933+/-0.002 χ^2/NDF: 11365709.2/63

In: 15.288+/-0.002 χ^2/NDF:7856243.9/52

Out: 15.601+/-0.002 χ^2/NDF:9418399.2/58

All: 15.444+/-0.001 χ^2/NDF: 17287131.9/111



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

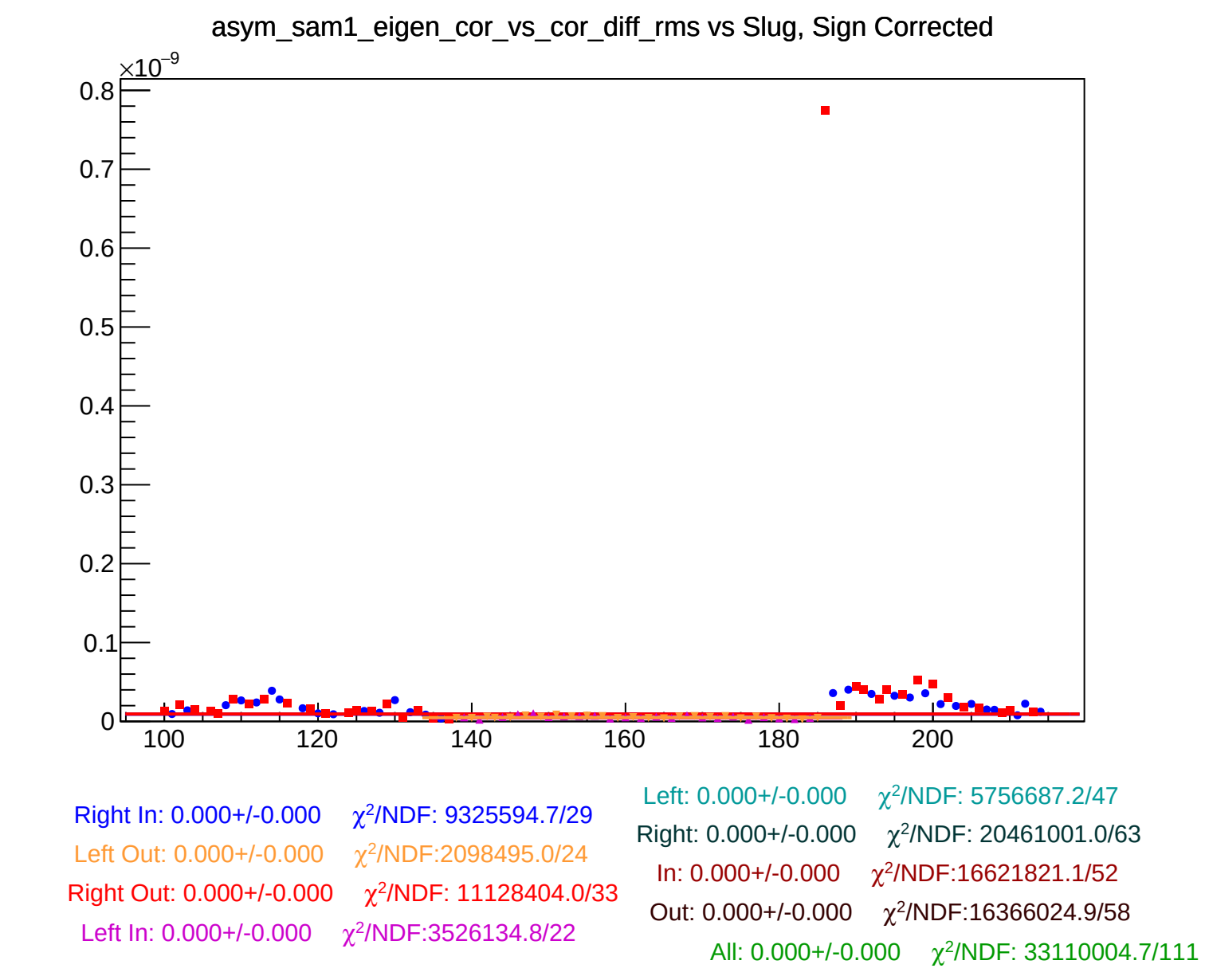
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 50.0/63

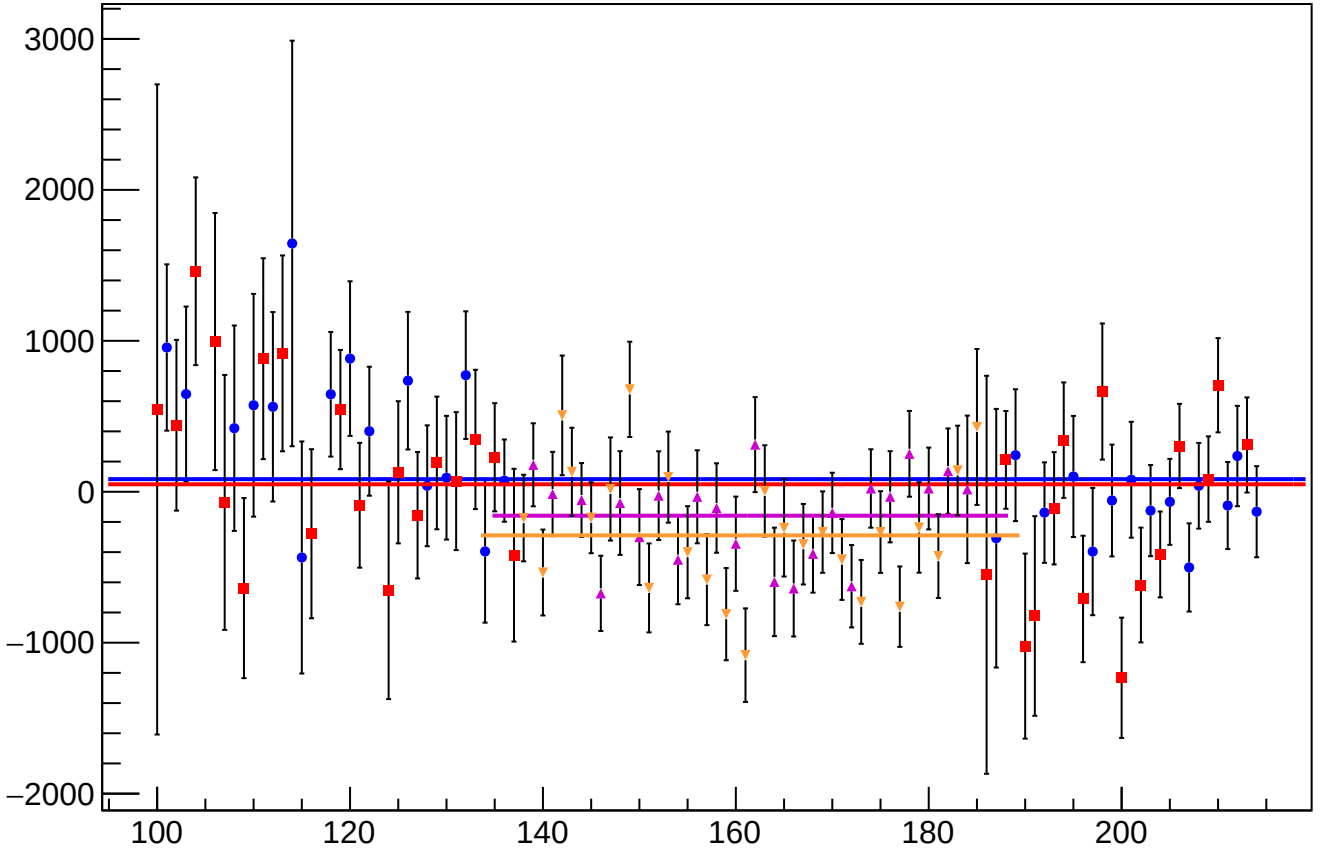
In: -0.000+/-0.000 χ^2/NDF:47.5/52

Out: -0.000+/-0.000 χ^2/NDF:39.4/58

All: -0.000+/-0.000 χ^2/NDF: 87.1/111


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9325594.7/29
Left Out: 0.000+/-0.000 χ²/NDF:2098495.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 11128404.0/33
Left In: 0.000+/-0.000 χ²/NDF:3526134.8/22
Left: 0.000+/-0.000 χ²/NDF: 5756687.2/47
Right: 0.000+/-0.000 χ²/NDF: 20461001.0/63
In: 0.000+/-0.000 χ²/NDF:16621821.1/52
Out: 0.000+/-0.000 χ²/NDF:16366024.9/58
All: 0.000+/-0.000 χ²/NDF: 33110004.7/111

reg_asym_sam2_mean vs Slug, Sign Corrected



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

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

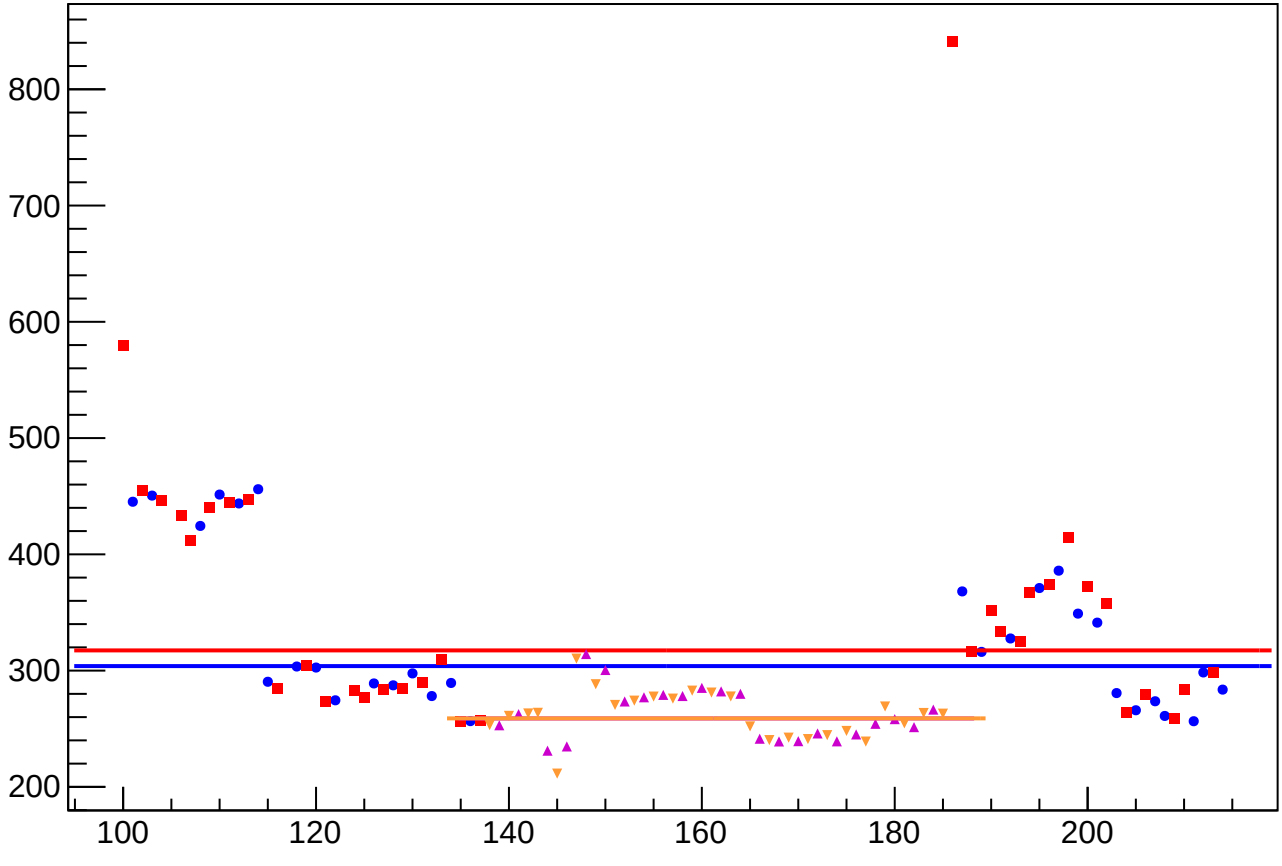
Right: 66.926+/-51.849 χ^2/NDF: 74.8/63

In: -58.347+/-46.467 χ^2/NDF:54.3/52

Out: -158.458+/-46.268 χ^2/NDF:104.6/58

All: -108.618+/-32.787 χ^2/NDF: 161.2/111

reg_asym_sam2_rms vs Slug, Sign Corrected



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

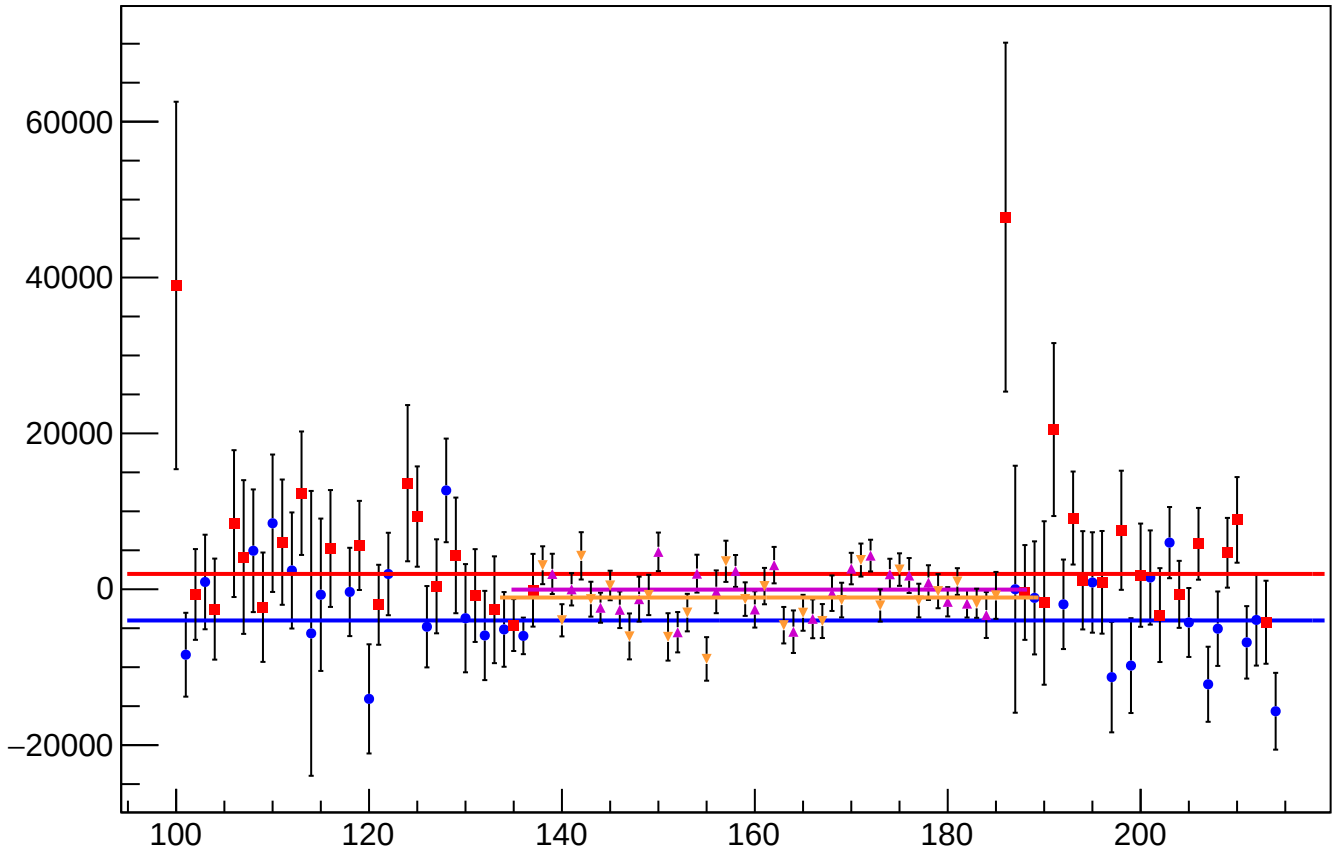
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 310.425+/-0.037 χ^2/NDF: 2497753.5/63

In: 277.497+/-0.033 χ^2/NDF:1695547.6/52

Out: 281.467+/-0.033 χ^2/NDF:2474855.3/58

All: 279.490+/-0.023 χ^2/NDF: 4177733.5/11



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

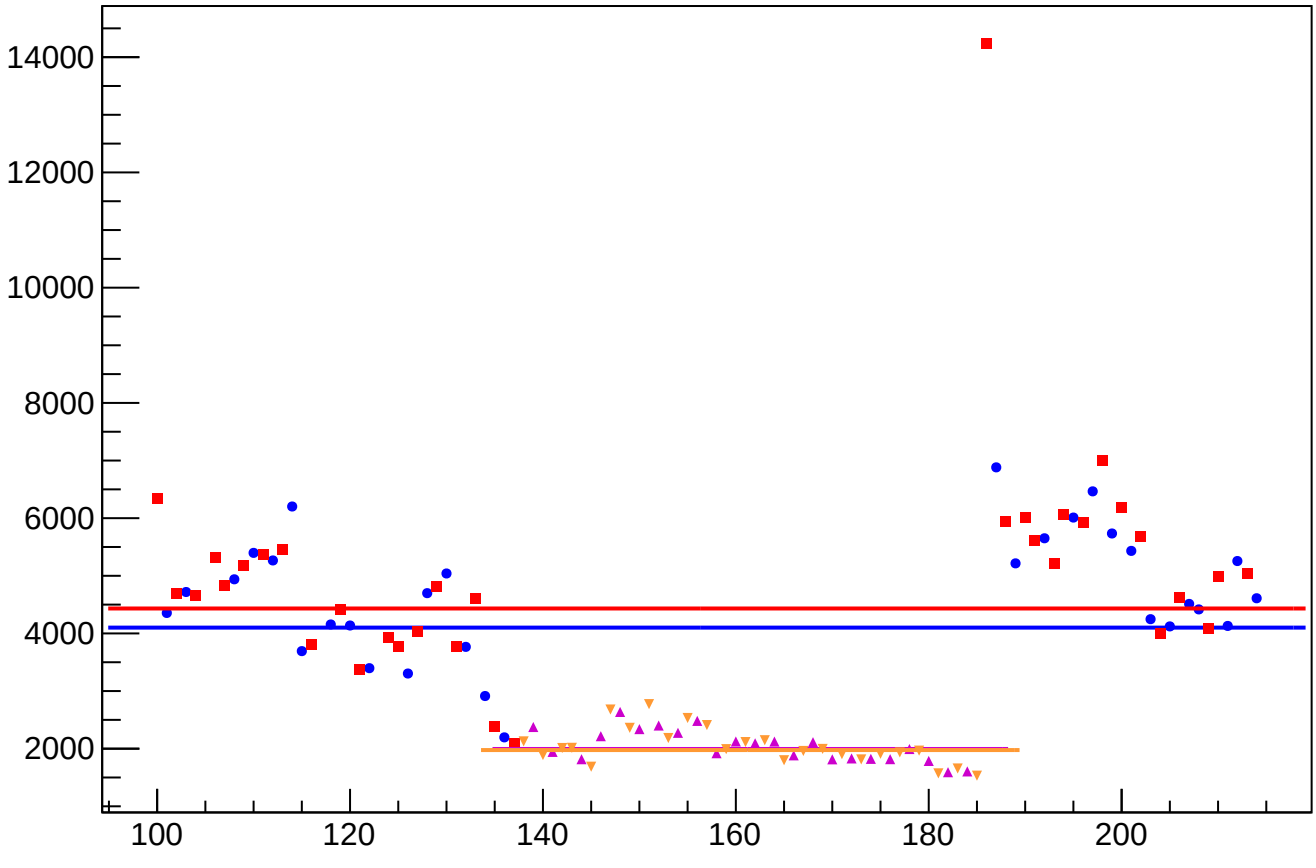
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1192.617+/-727.483 χ^2/NDF: 79.9/63

In: -762.639+/-425.884 χ^2/NDF:80.9/52

Out: -588.964+/-417.853 χ^2/NDF:77.6/58

All: -674.148+/-298.265 χ^2/NDF: 158.5/111



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

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

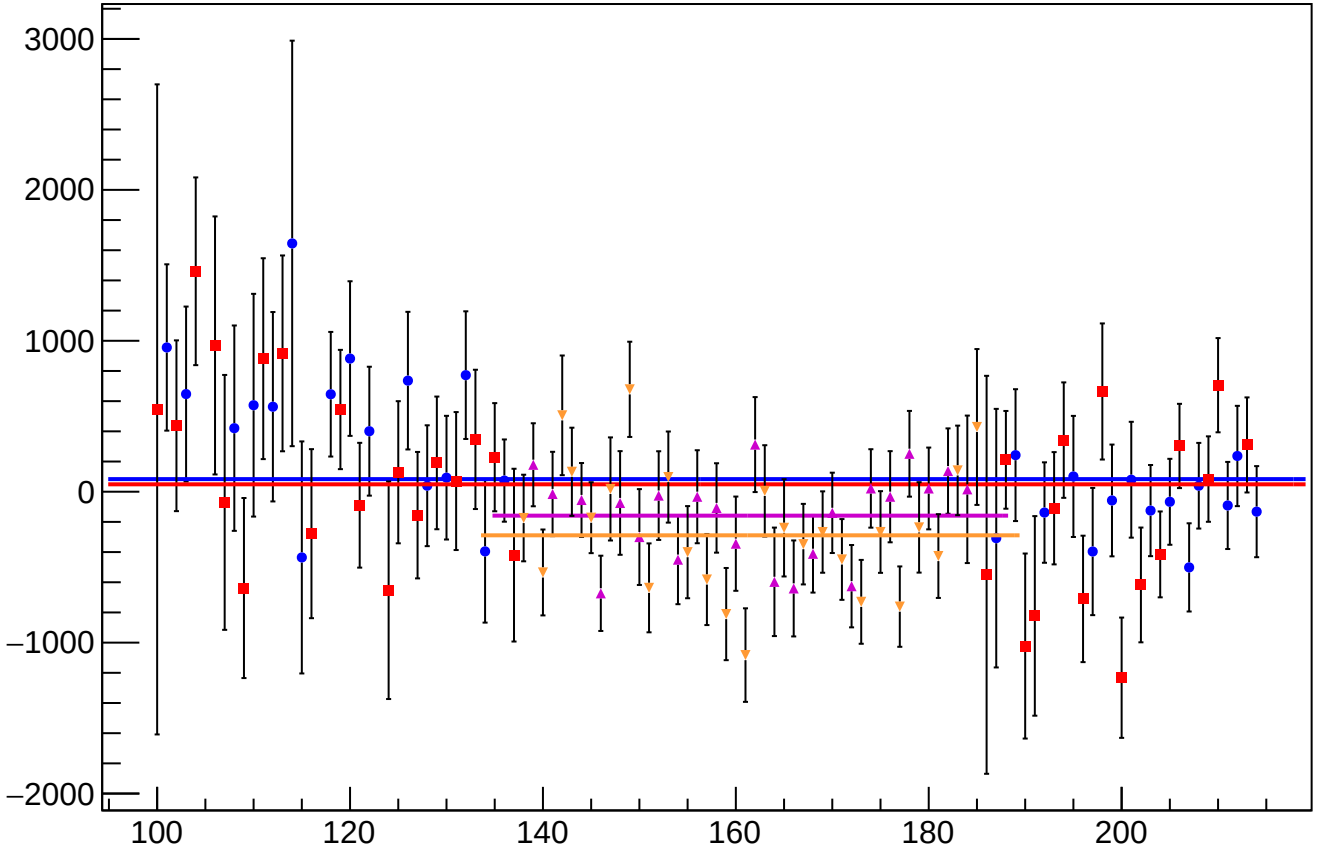
Right: 4257.104+/-0.514 χ^2/NDF: 5808999.1/63

In: 2376.724+/-0.301 χ^2/NDF:10635876.4/52

Out: 2357.572+/-0.295 χ^2/NDF:12765313.1/58

All: 2366.966+/-0.211 χ^2/NDF: 23403250.4/1

cor_asym_sam2_mean vs Slug, Sign Corrected



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

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

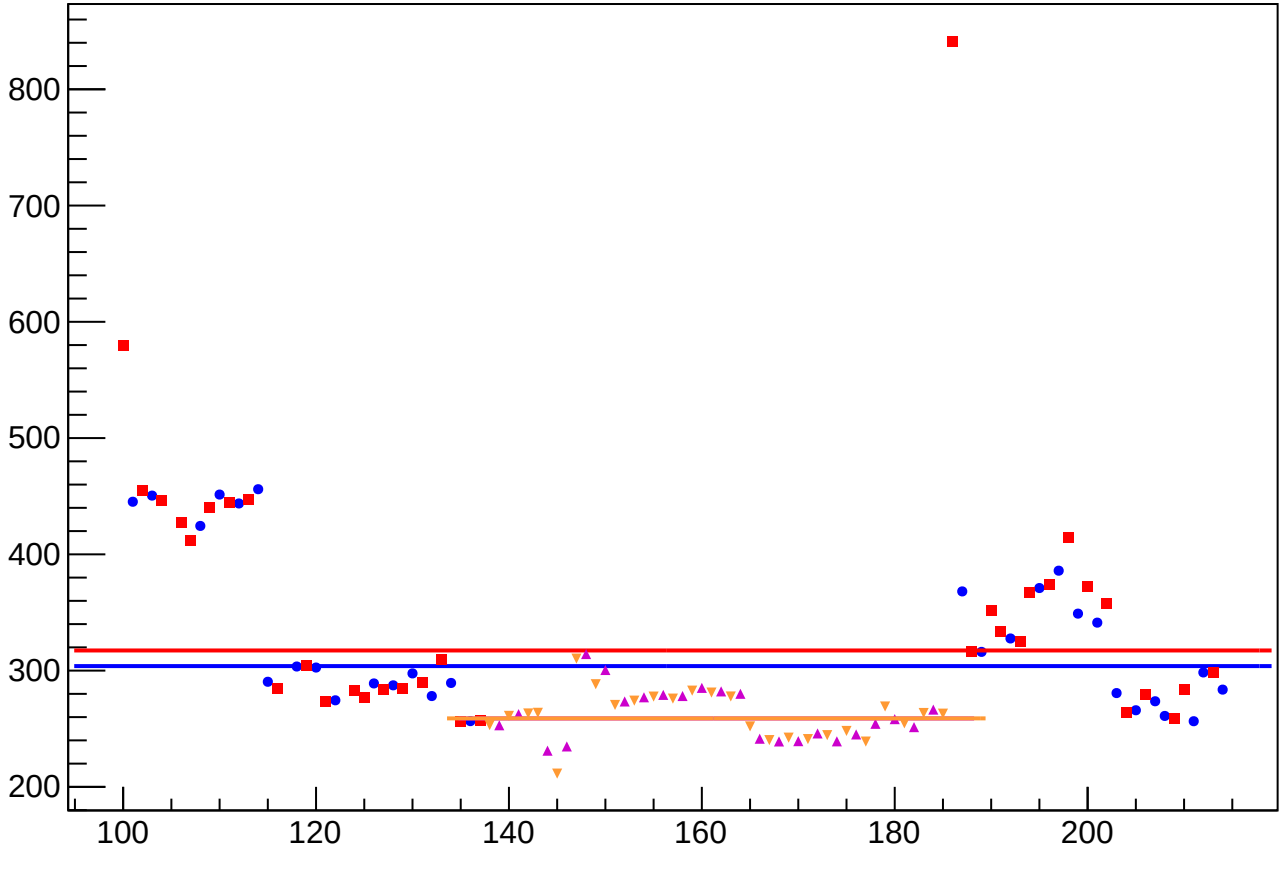
Right: 66.758+/-51.850 χ^2/NDF: 74.7/63

In: -58.363+/-46.467 χ^2/NDF:54.3/52

Out: -158.591+/-46.269 χ^2/NDF:104.5/58

All: -108.692+/-32.787 χ^2/NDF: 161.1/111

cor_asym_sam2_rms vs Slug, Sign Corrected



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

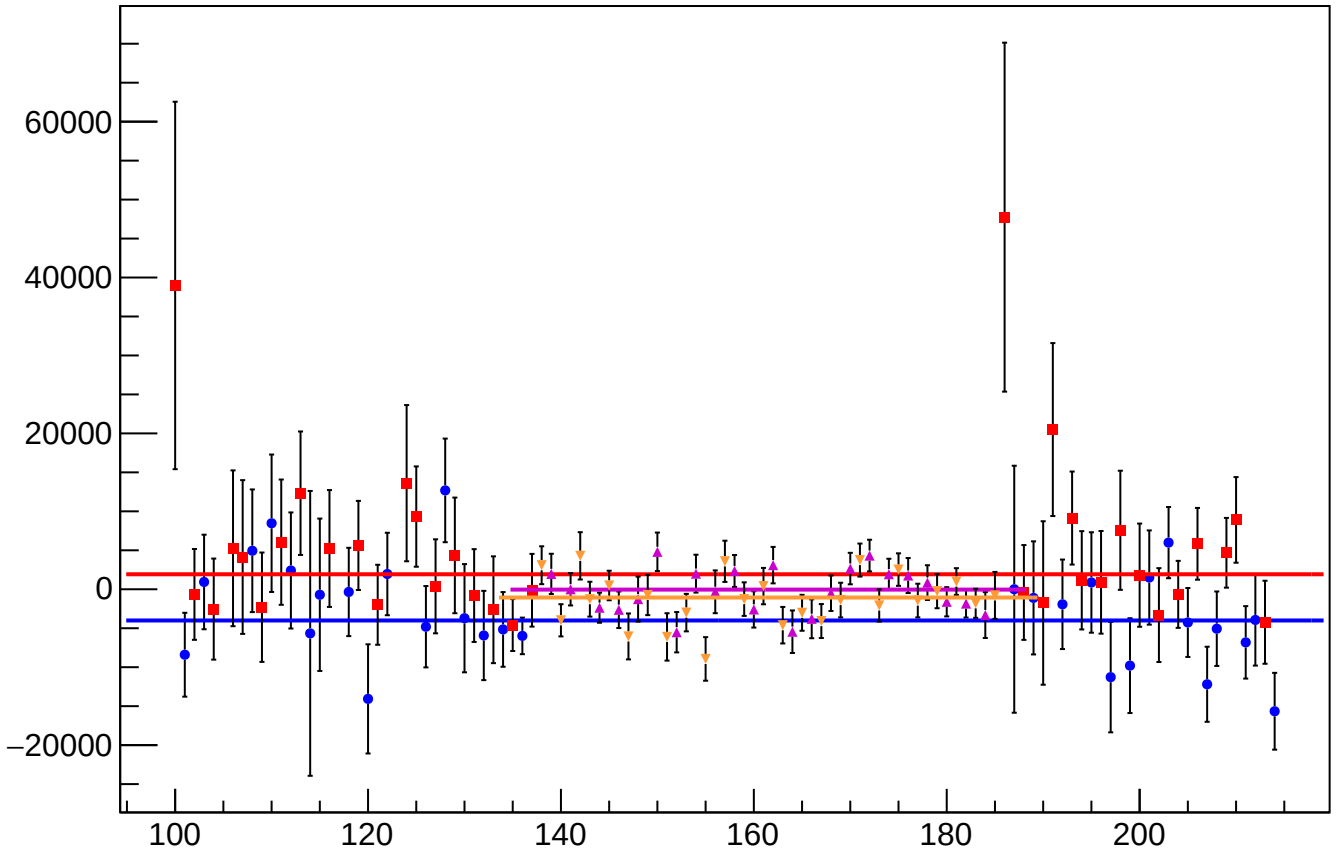
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 310.397+/-0.037 χ^2/NDF: 2493205.1/63

In: 277.497+/-0.033 χ^2/NDF:1695549.2/52

Out: 281.444+/-0.033 χ^2/NDF:2469082.3/58

All: 279.479+/-0.023 χ^2/NDF: 4171877.2/11



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

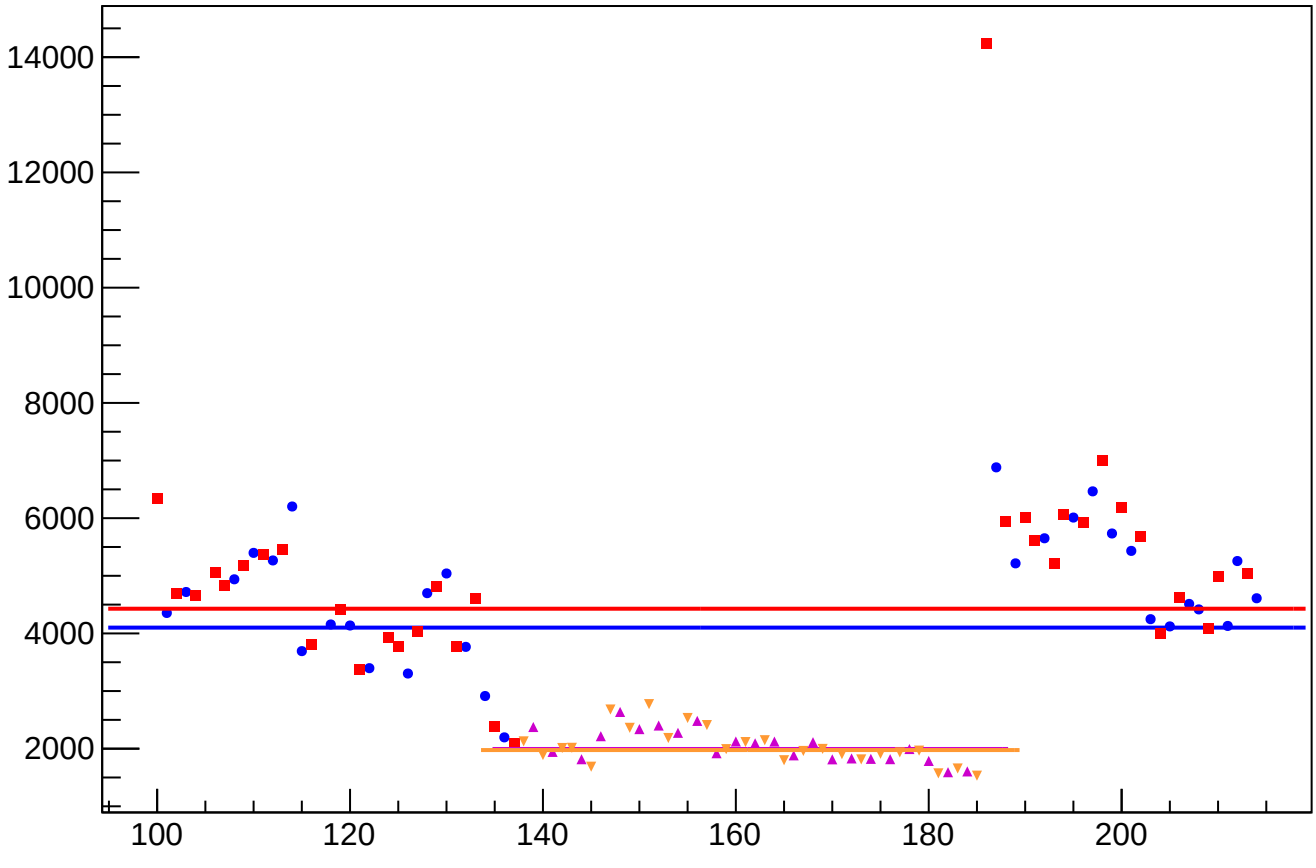
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1215.685+/-727.731 χ^2/NDF: 79.2/63

In: -762.630+/-425.884 χ^2/NDF:80.9/52

Out: -596.444+/-417.900 χ^2/NDF:77.0/58

All: -677.965+/-298.283 χ^2/NDF: 158.0/111



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

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

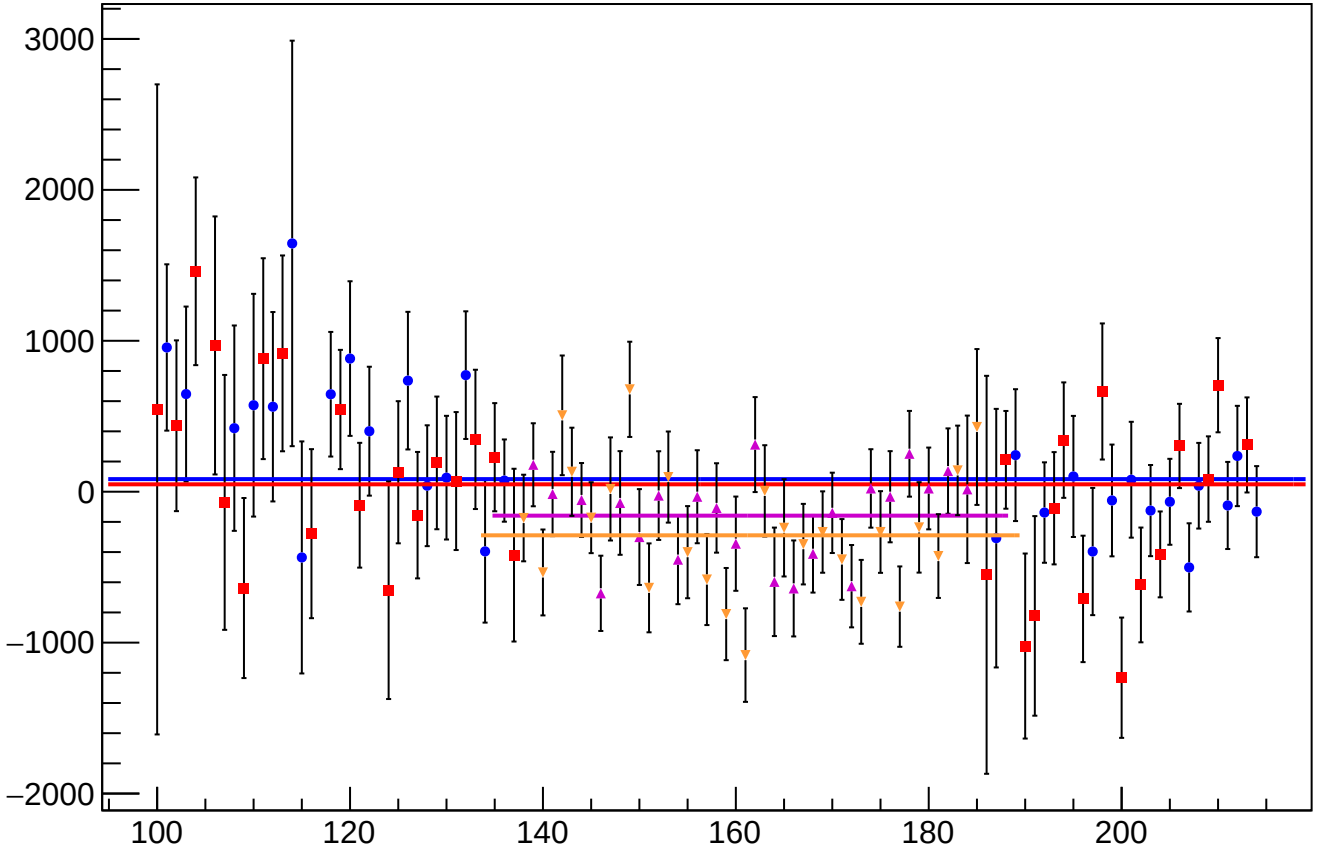
Right: 4255.134+/-0.515 χ^2/NDF: 5797154.1/63

In: 2376.724+/-0.301 χ^2/NDF:10635895.6/52

Out: 2356.494+/-0.295 χ^2/NDF:12715880.9/58

All: 2366.418+/-0.211 χ^2/NDF: 23354075.5/1

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



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

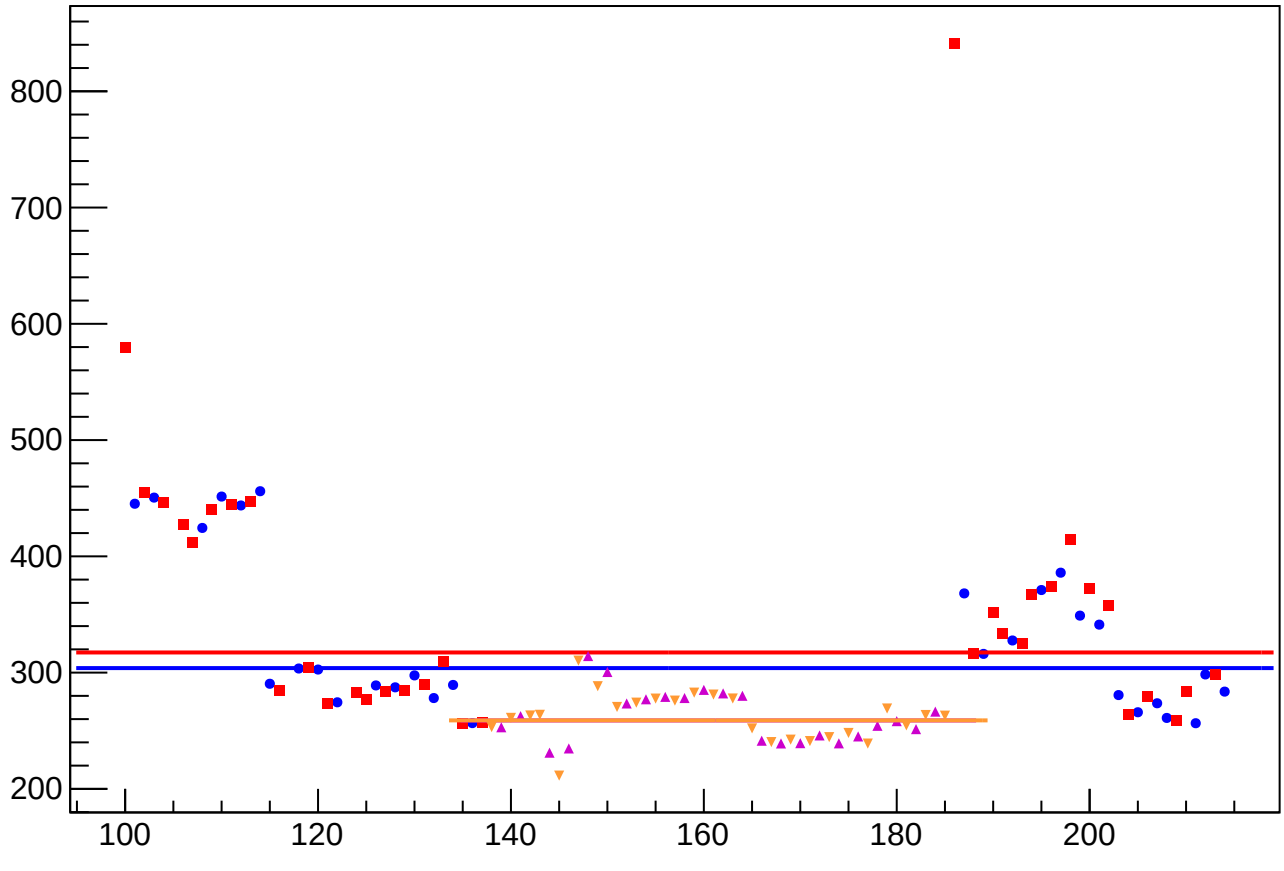
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 66.758+/-51.850 χ^2/NDF: 74.7/63

In: -58.363+/-46.467 χ^2/NDF:54.3/52

Out: -158.591+/-46.269 χ^2/NDF:104.5/58

All: -108.692+/-32.787 χ^2/NDF: 161.1/111



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

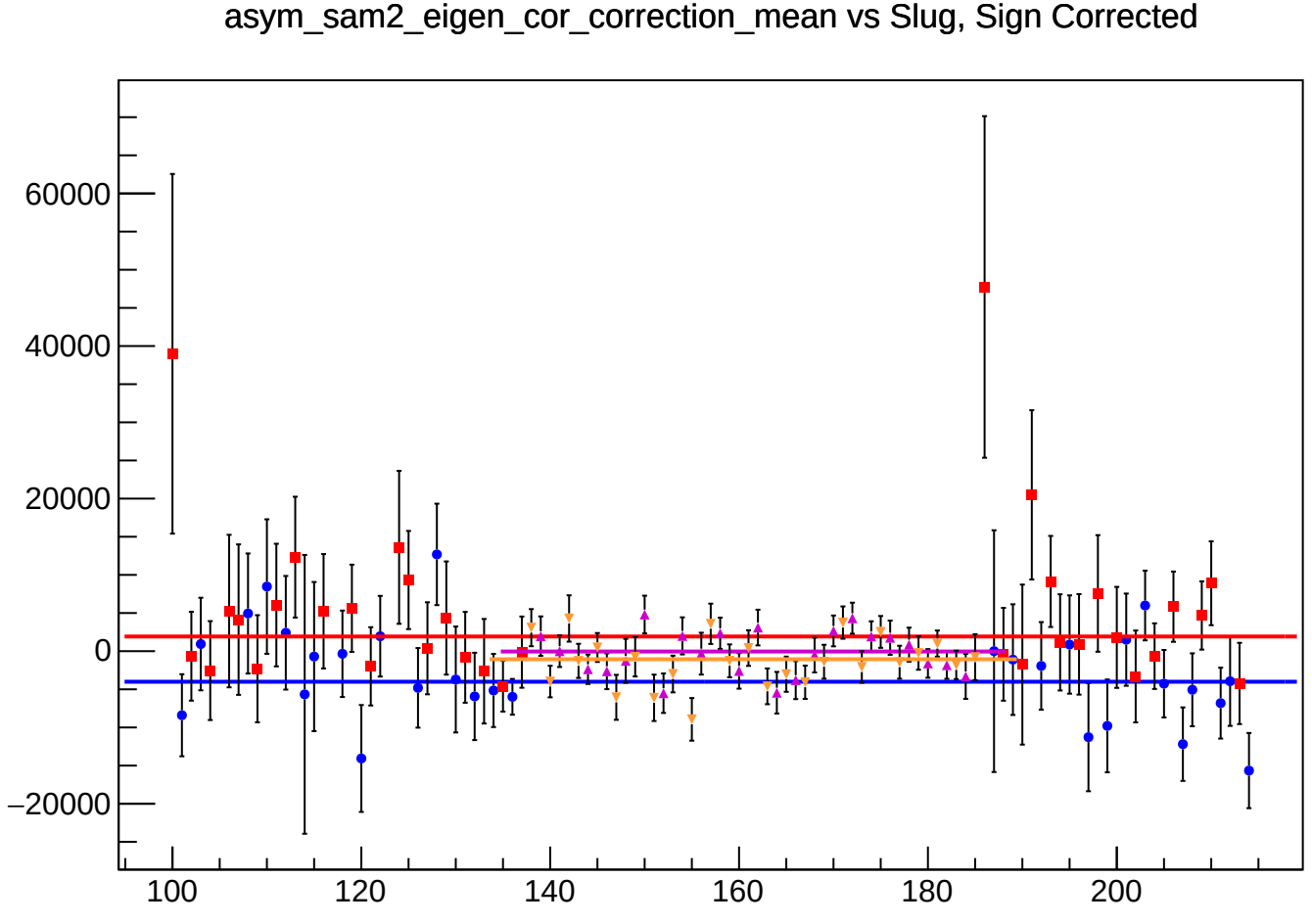
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 310.397+/-0.037 χ^2/NDF: 2493205.1/63

In: 277.497+/-0.033 χ^2/NDF:1695549.2/52

Out: 281.444+/-0.033 χ^2/NDF:2469082.3/58

All: 279.479+/-0.023 χ^2/NDF: 4171877.2/11



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

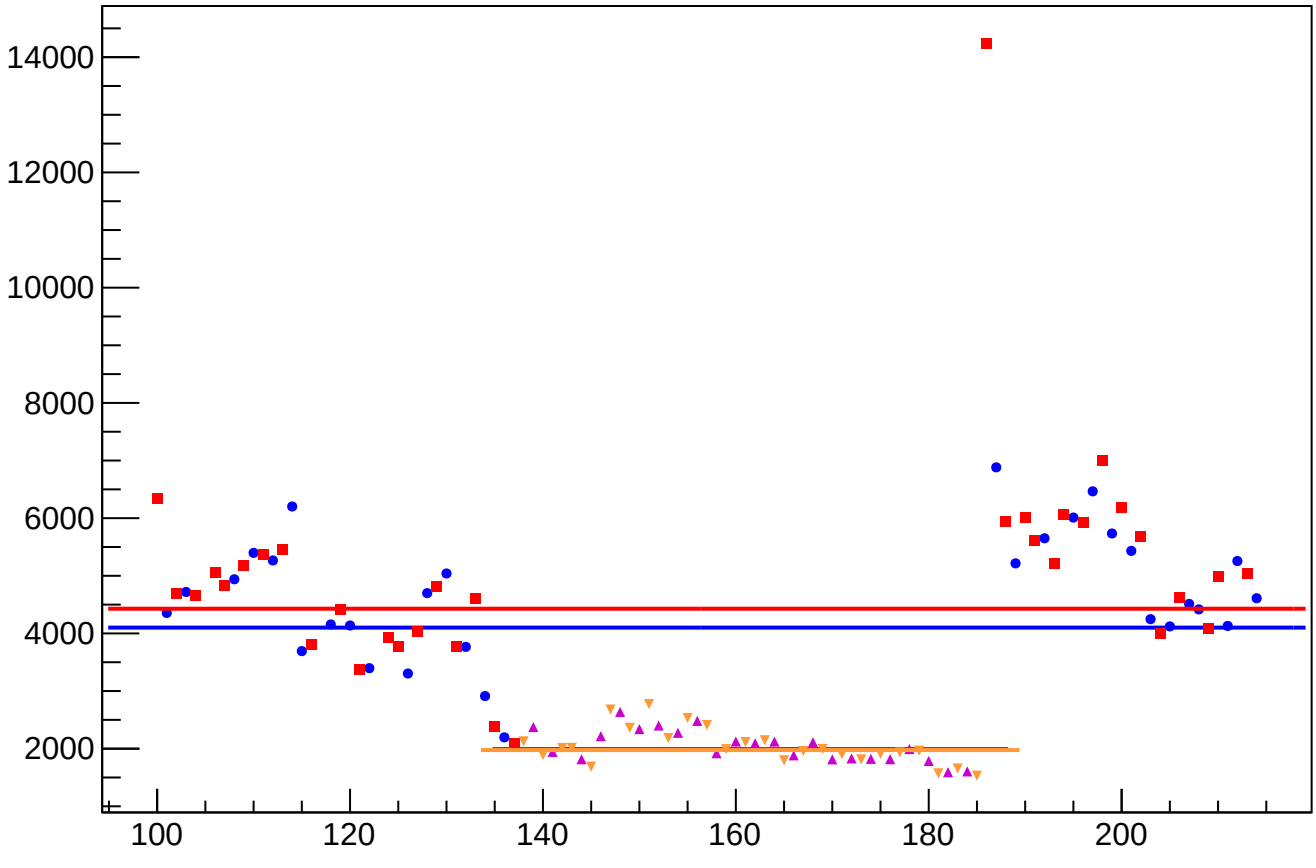
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1215.685+/-727.731 χ^2/NDF: 79.2/63

In: -762.630+/-425.884 χ^2/NDF:80.9/52

Out: -596.444+/-417.900 χ^2/NDF:77.0/58

All: -677.965+/-298.283 χ^2/NDF: 158.0/111



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

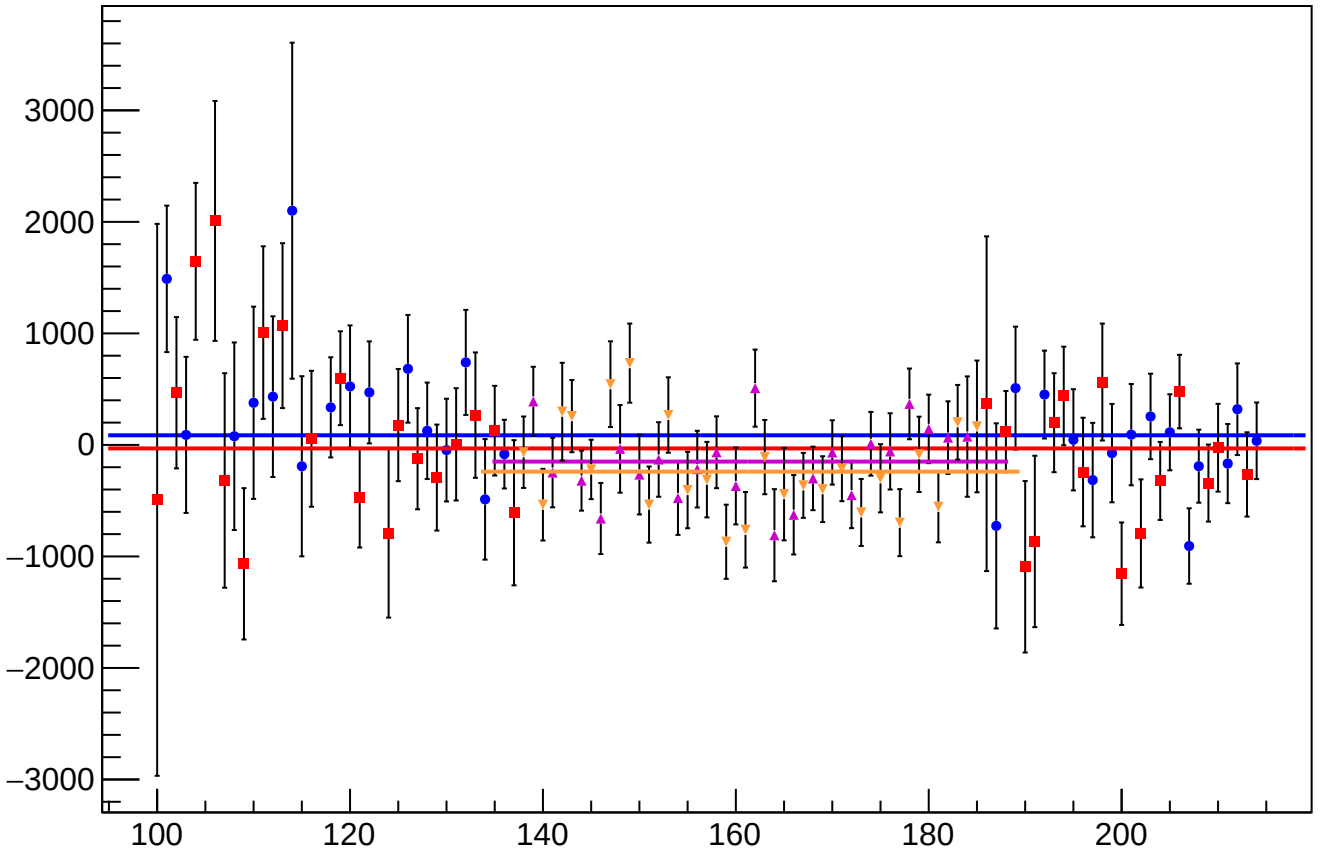
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4255.134+/-0.515 χ^2/NDF: 5797154.1/63

In: 2376.724+/-0.301 χ^2/NDF:10635895.6/52

Out: 2356.494+/-0.295 χ^2/NDF:12715880.9/58

All: 2366.418+/-0.211 χ^2/NDF: 23354075.5/1



Right In: 86.326+/-83.825 χ^2/NDF: 26.8/29

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -31.450+/-86.506 χ^2/NDF: 41.2/33

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

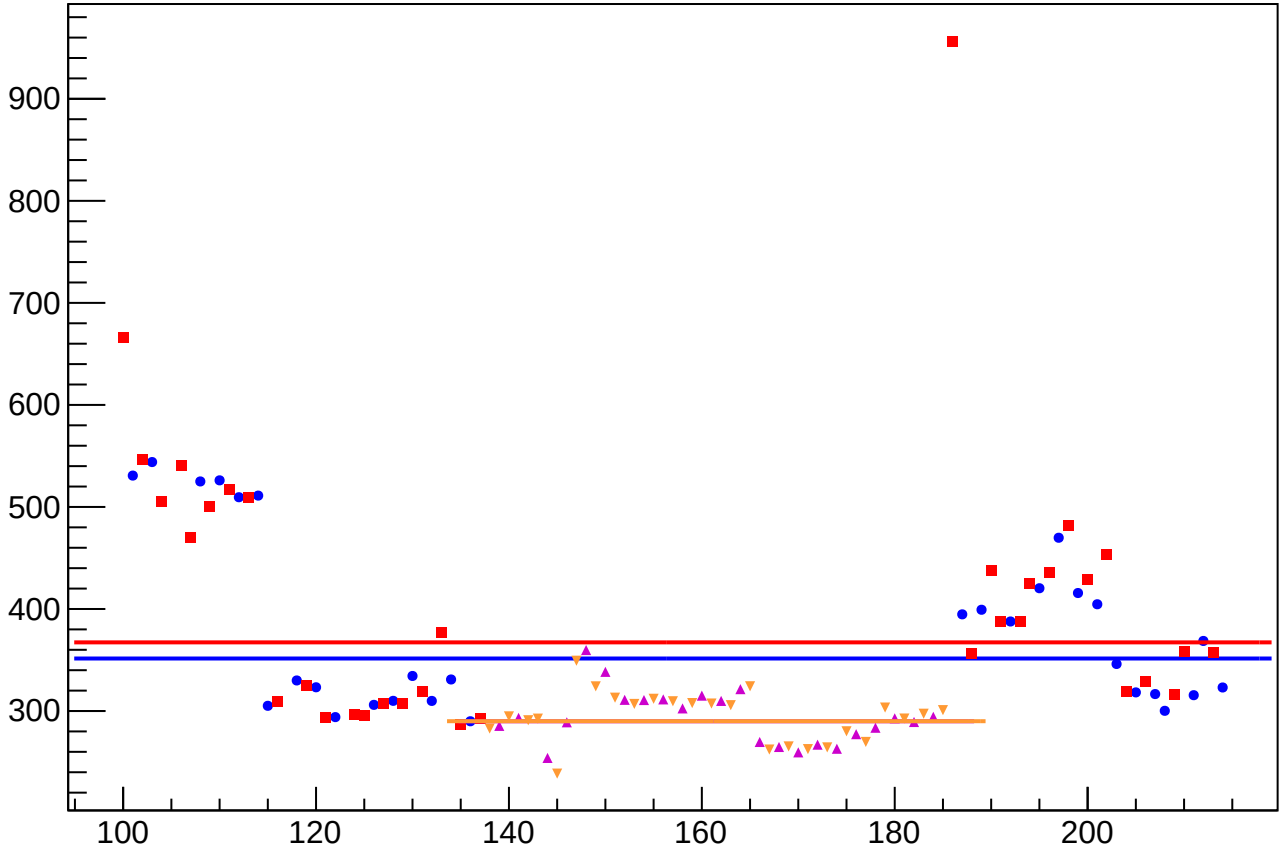
Right: 29.292+/-60.199 χ^2/NDF: 69.0/63

In: -55.649+/-52.884 χ^2/NDF:53.3/52

Out: -162.739+/-52.556 χ^2/NDF:78.9/58

All: -109.526+/-37.278 χ^2/NDF: 134.3/111

dit_asym_sam2_rms vs Slug, Sign Corrected



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

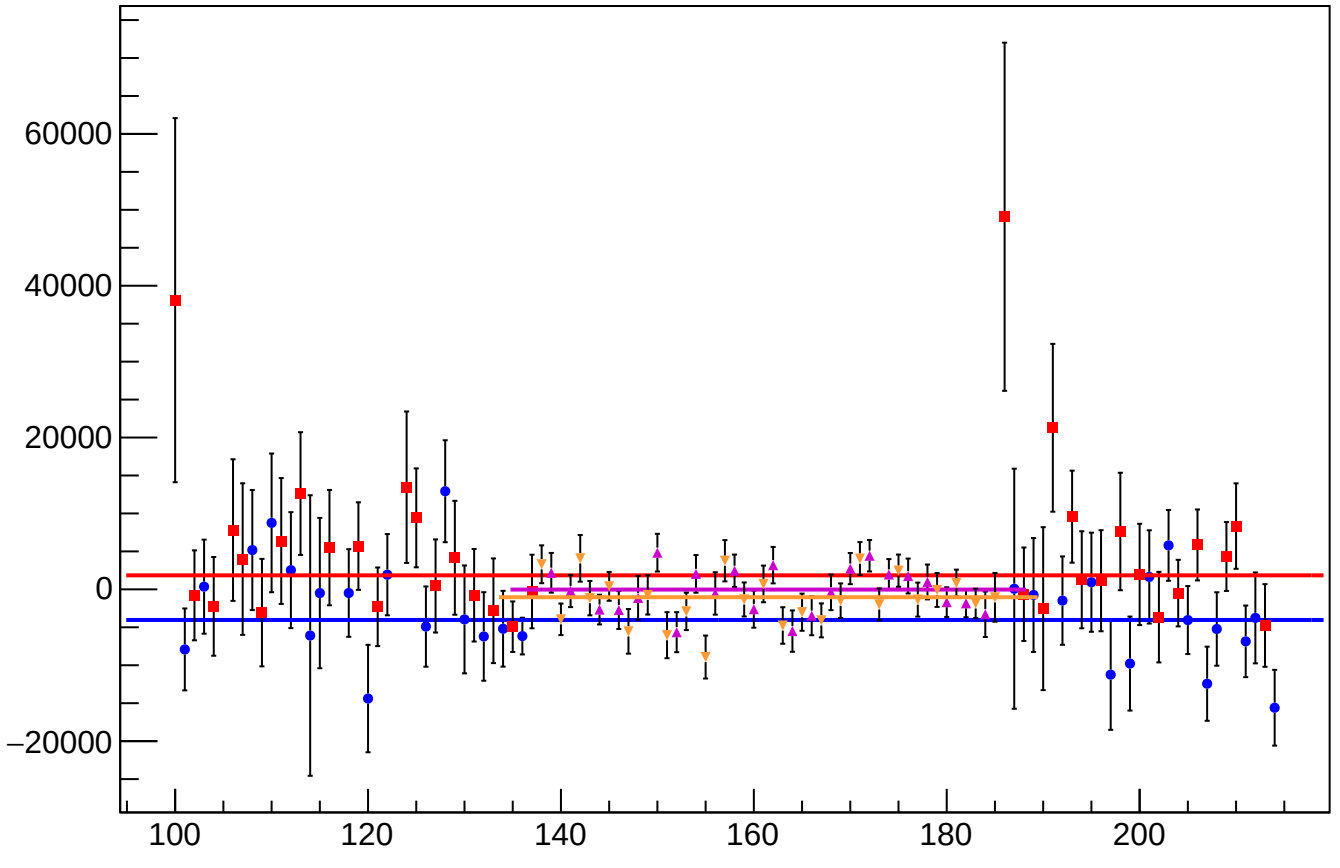
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 359.123+/-0.043 χ^2/NDF: 2792181.7/63

In: 314.428+/-0.037 χ^2/NDF:2075805.8/52

Out: 318.539+/-0.037 χ^2/NDF:2887184.2/58

All: 316.496+/-0.026 χ^2/NDF: 4969069.7/11



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

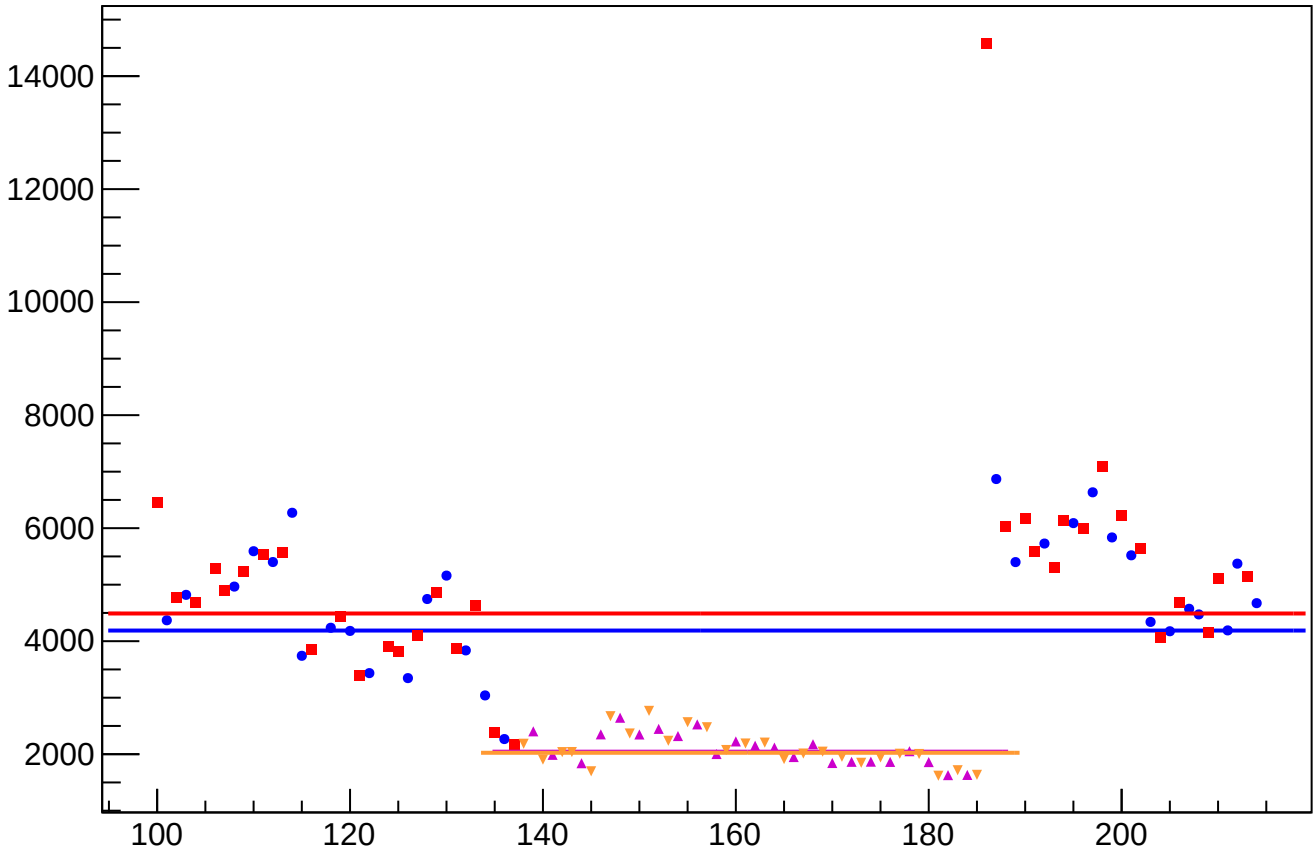
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -1246.626+/-739.520 χ^2/NDF: 78.9/63

In: -762.257+/-435.983 χ^2/NDF:80.0/52

Out: -581.072+/-426.972 χ^2/NDF:76.2/58

All: -669.772+/-305.051 χ^2/NDF: 156.3/111



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

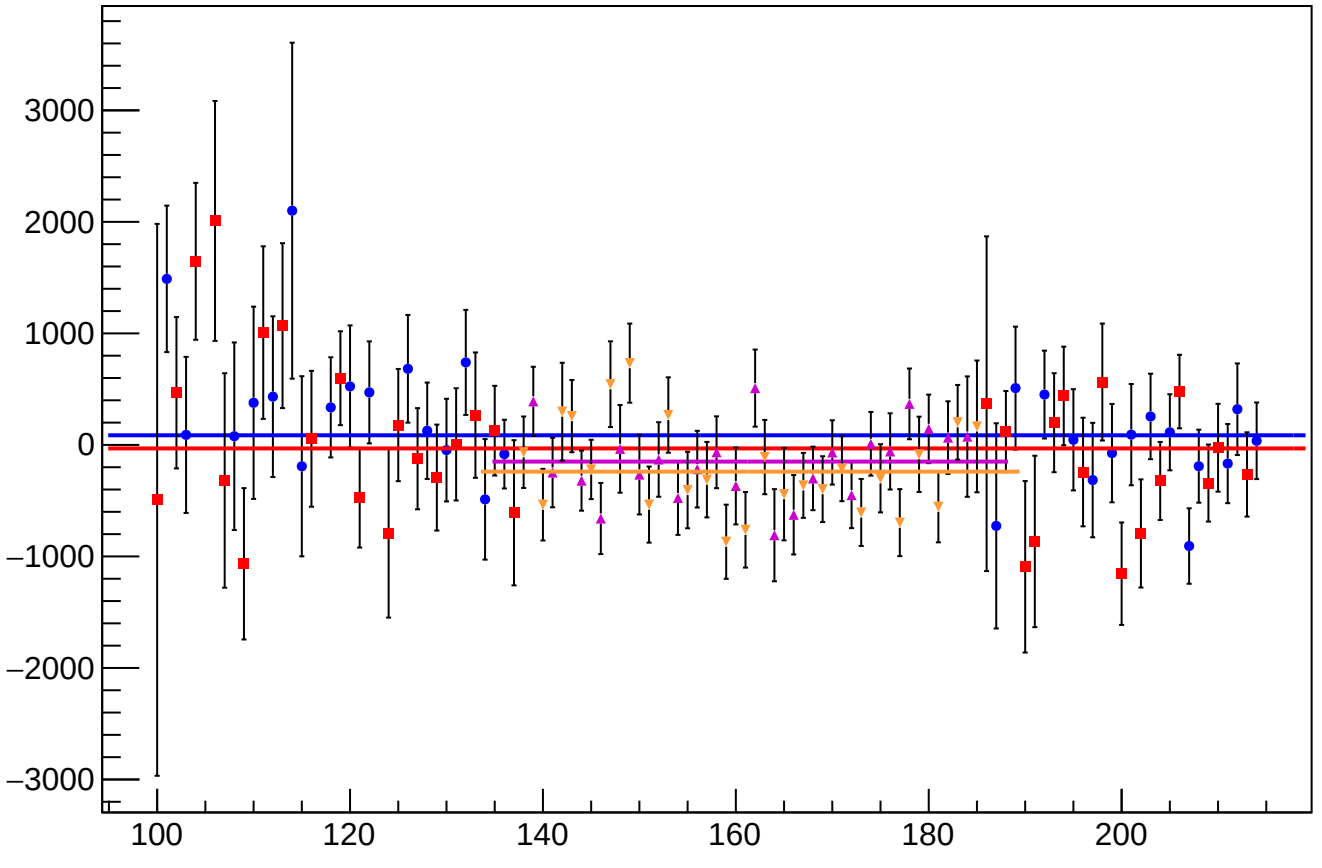
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4331.338+/-0.523 χ^2/NDF: 5695559.4/63

In: 2436.351+/-0.308 χ^2/NDF:10493969.6/52

Out: 2414.664+/-0.302 χ^2/NDF:12496979.4/58

All: 2425.281+/-0.216 χ^2/NDF: 22993474.9/



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

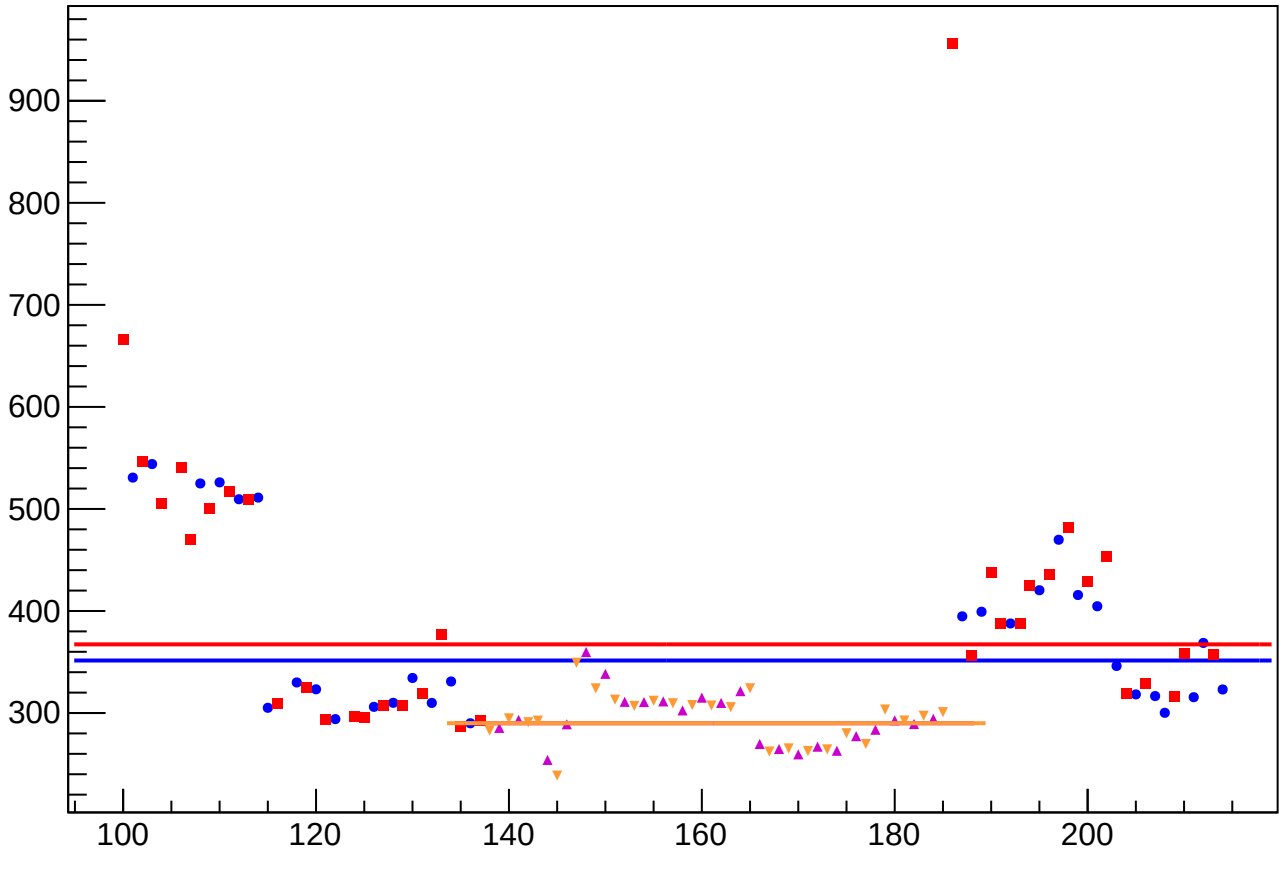
Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

Right: 29.295+/-60.199 χ^2/NDF: 69.0/63

In: -55.646+/-52.884 χ^2/NDF:53.3/52

Out: -162.741+/-52.556 χ^2/NDF:78.9/58

All: -109.526+/-37.278 χ^2/NDF: 134.3/111



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

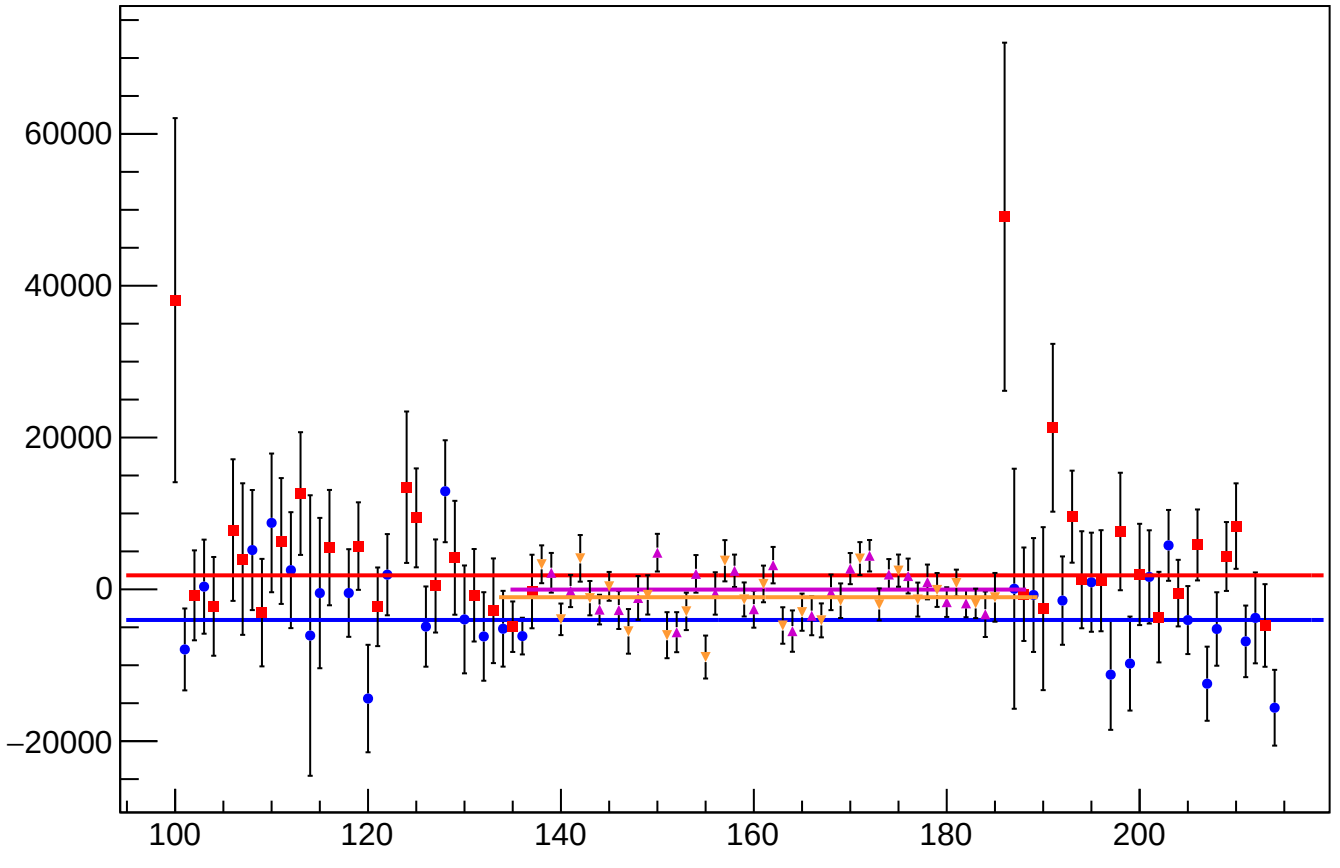
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 359.123+/-0.043 χ^2/NDF: 2792171.6/63

In: 314.428+/-0.037 χ^2/NDF:2075789.9/52

Out: 318.539+/-0.037 χ^2/NDF:2887169.8/58

All: 316.496+/-0.026 χ^2/NDF: 4969040.2/11



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

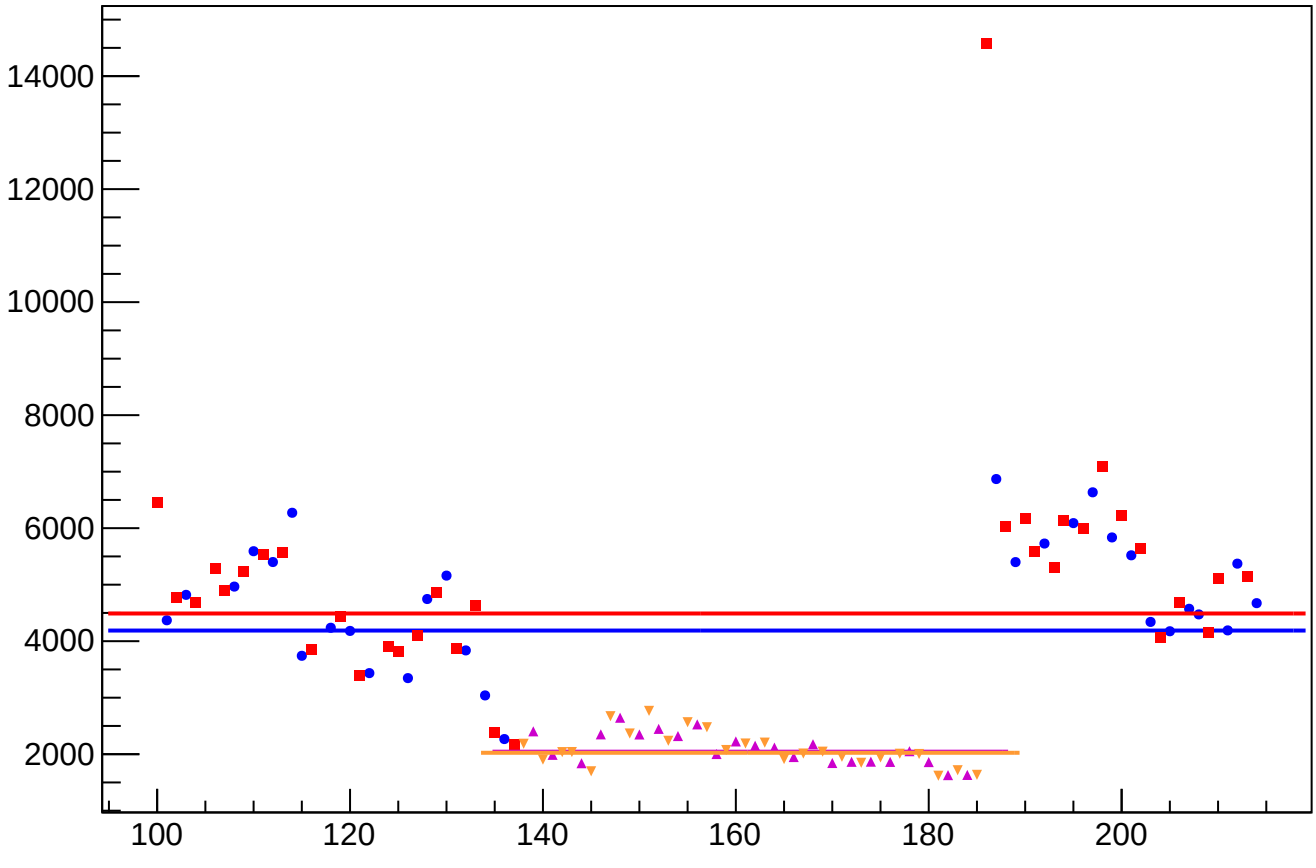
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -1246.624+/-739.519 χ^2/NDF: 78.9/63

In: -762.255+/-435.983 χ^2/NDF:80.0/52

Out: -581.070+/-426.972 χ^2/NDF:76.2/58

All: -669.771+/-305.051 χ^2/NDF: 156.3/111



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

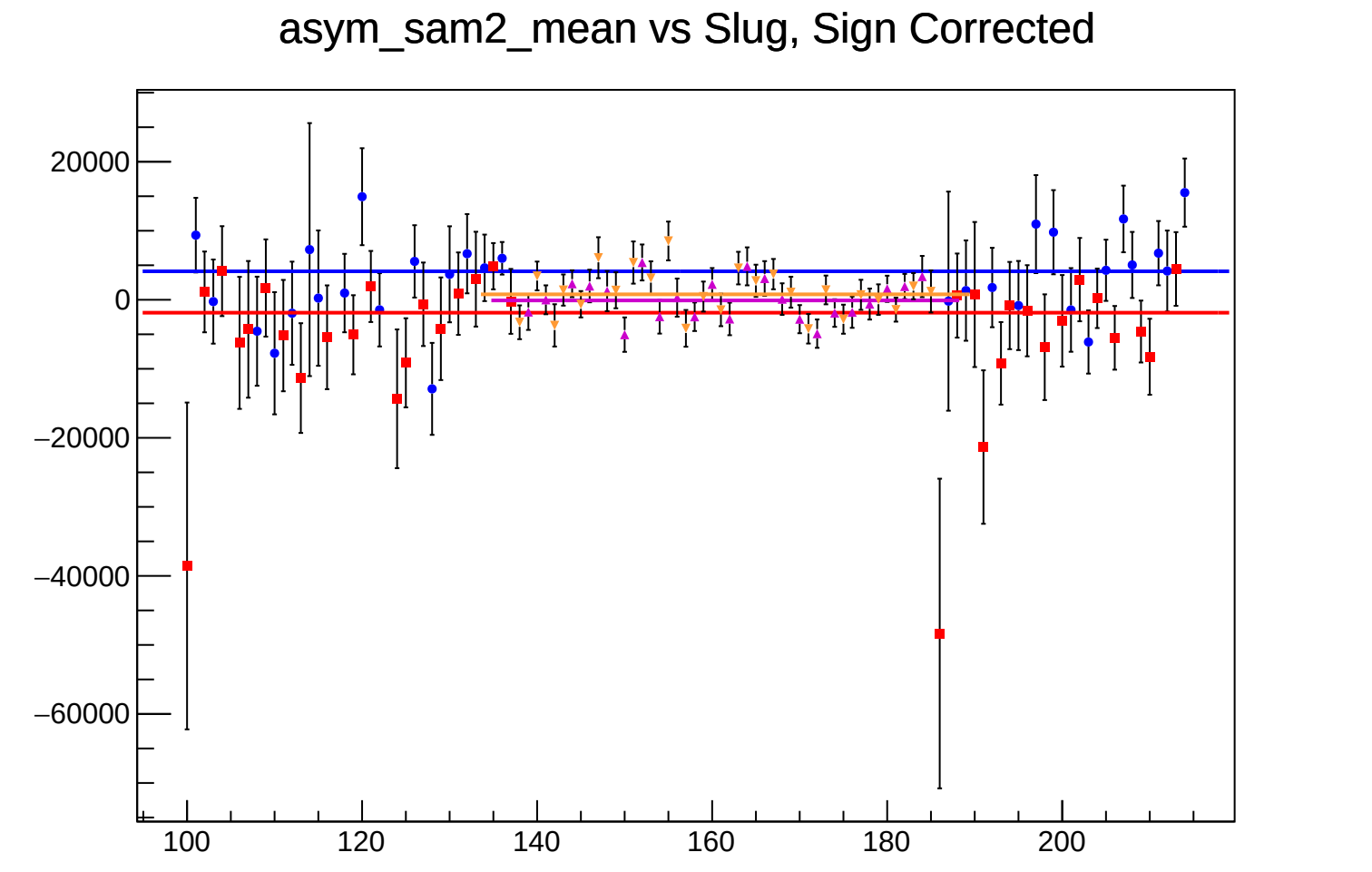
Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

Right: 4331.335+/-0.523 χ^2/NDF: 5695547.2/63

In: 2436.351+/-0.308 χ^2/NDF:10493958.8/52

Out: 2414.665+/-0.302 χ^2/NDF:12496967.7/58

All: 2425.282+/-0.216 χ^2/NDF: 22993452.3/



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

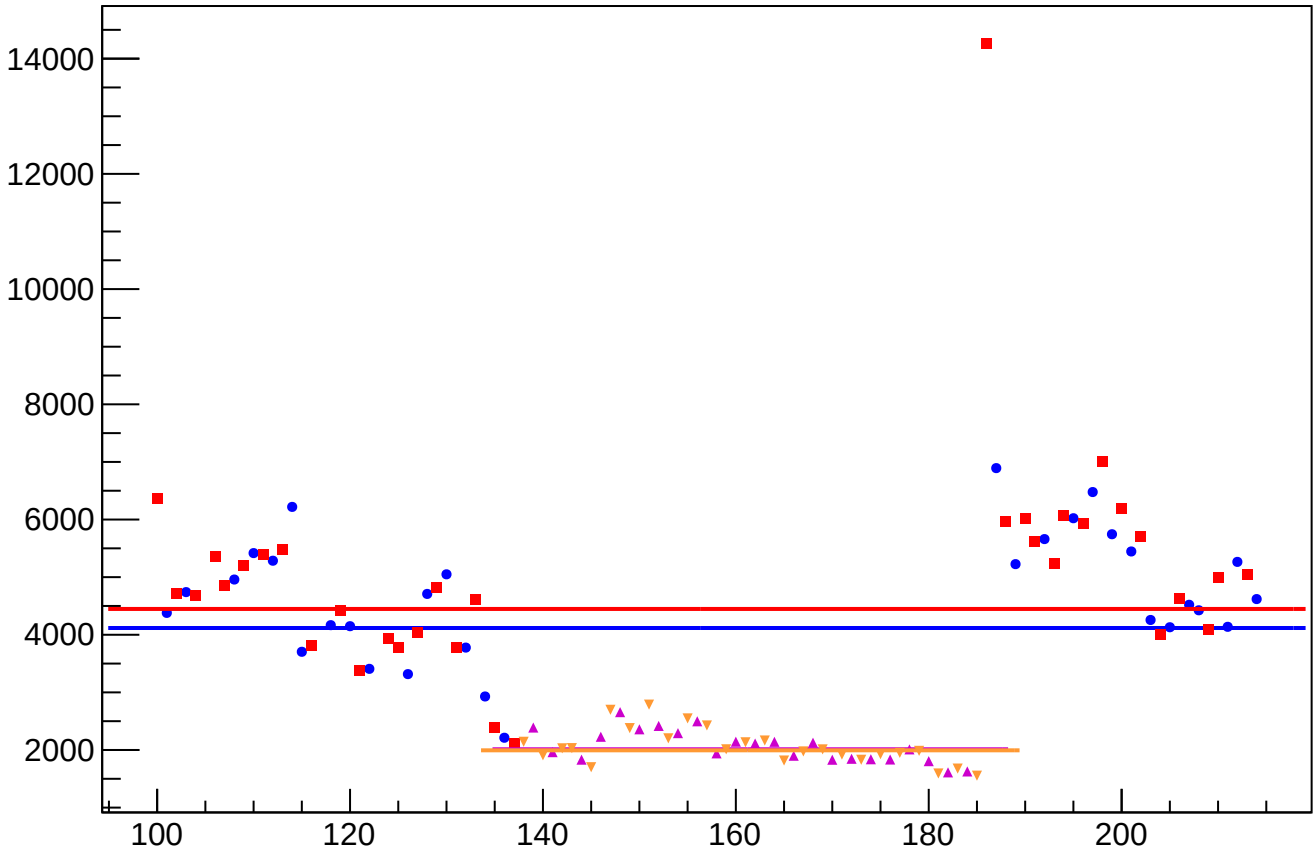
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

Right: 1301.041+/-729.953 χ^2/NDF: 78.9/63

In: 675.654+/-429.209 χ^2/NDF:80.6/52

Out: 371.060+/-421.223 χ^2/NDF:75.3/58

All: 520.497+/-300.633 χ^2/NDF: 156.2/111



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

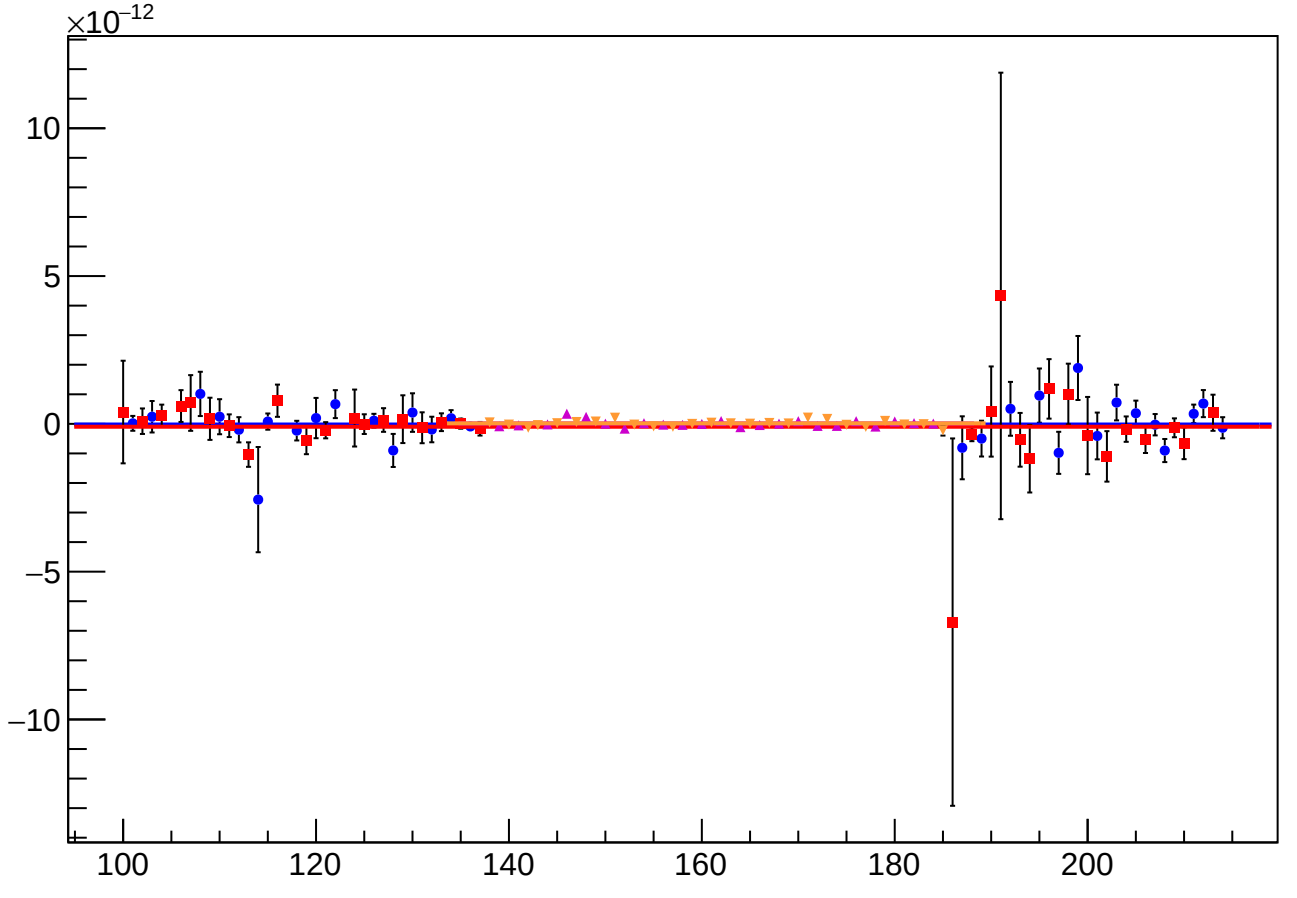
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4273.192+/-0.516 χ^2/NDF: 5753059.7/63

In: 2397.665+/-0.303 χ^2/NDF:10516878.1/52

Out: 2379.086+/-0.298 χ^2/NDF:12630972.9/58

All: 2388.201+/-0.213 χ^2/NDF: 23149760.0/1



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

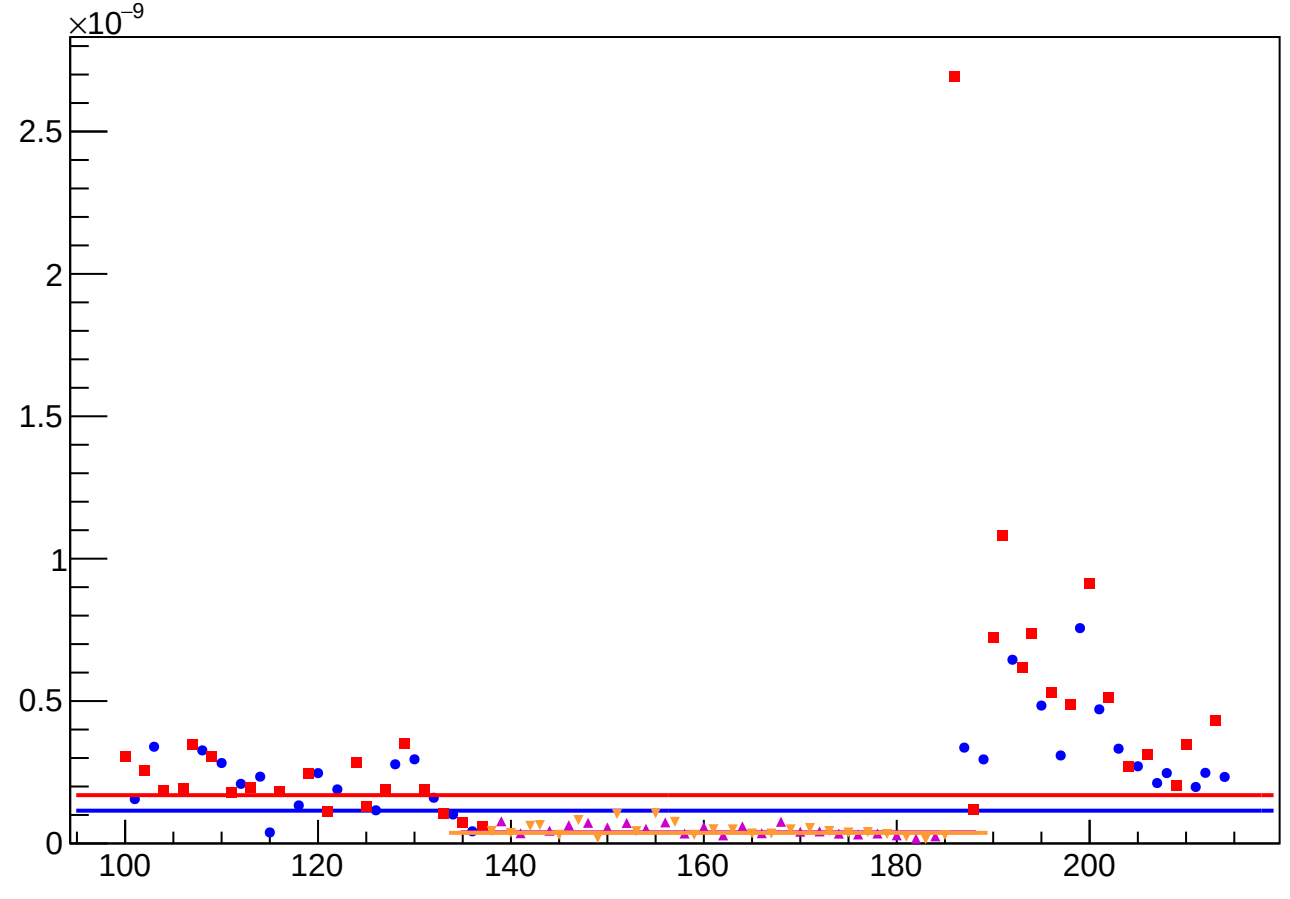
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 56.5/63

In: 0.000+/-0.000 χ^2/NDF:62.0/52

Out: 0.000+/-0.000 χ^2/NDF:48.5/58

All: 0.000+/-0.000 χ^2/NDF: 110.5/111



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

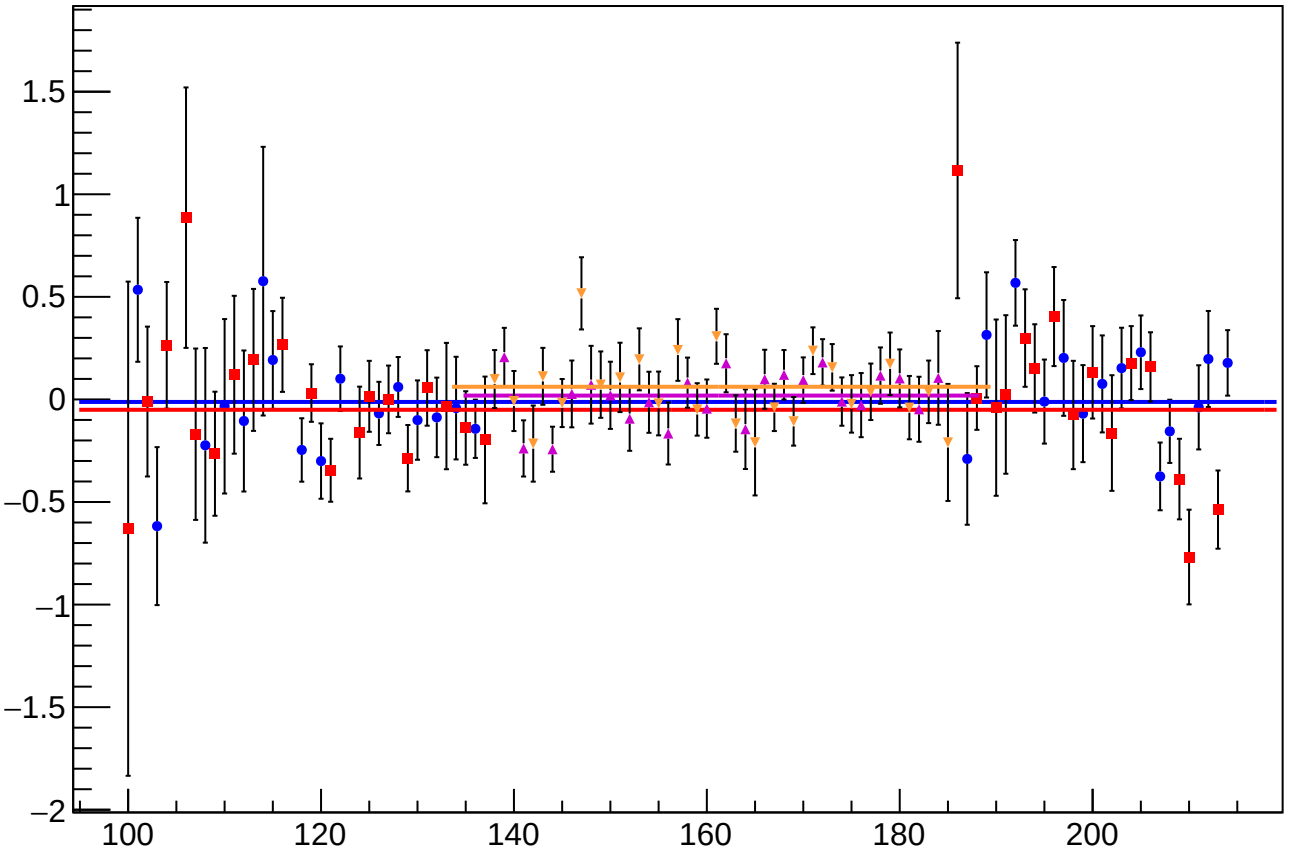
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 13678146.4/63

In: 0.000+/-0.000 χ^2/NDF:12613019.3/52

Out: 0.000+/-0.000 χ^2/NDF:14439124.8/58

All: 0.000+/-0.000 χ^2/NDF: 27075270.8/111



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

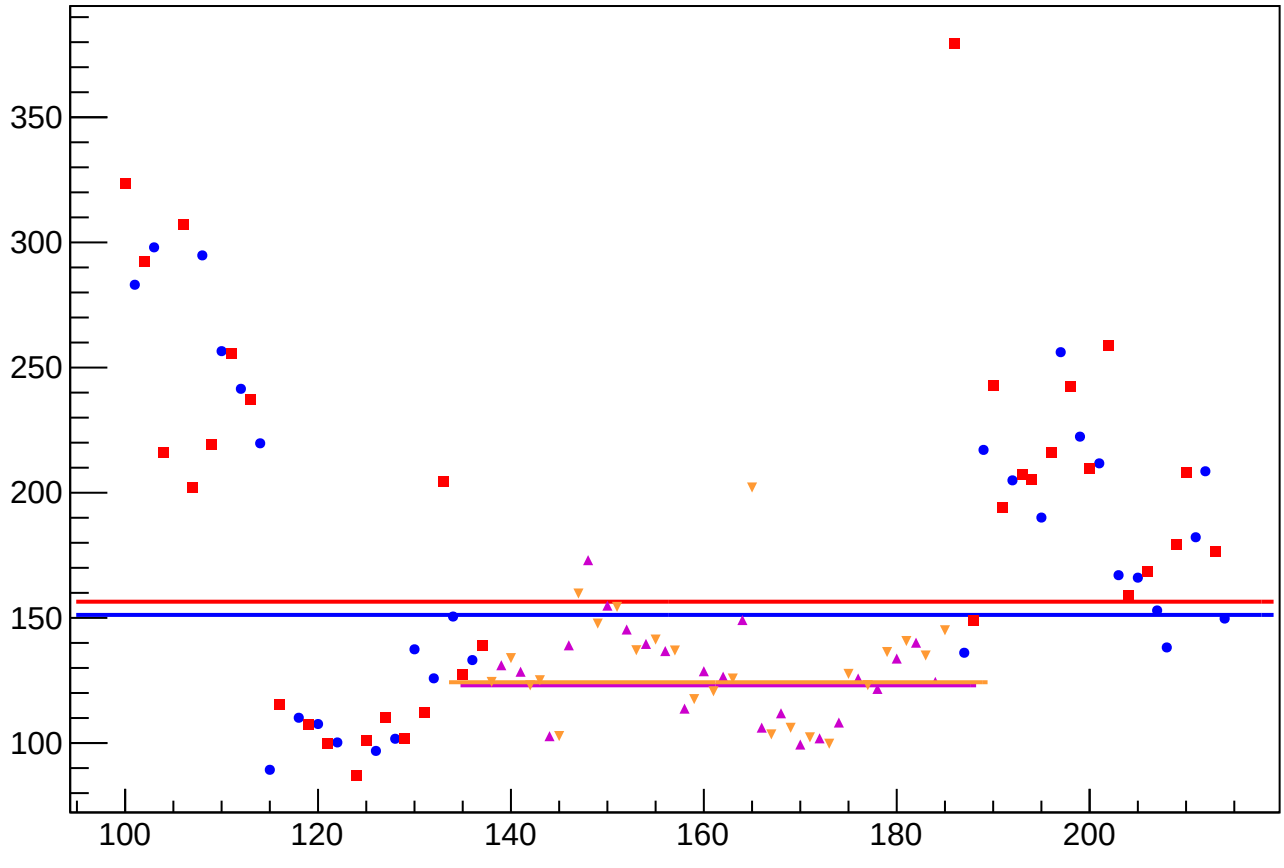
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.031+/-0.027 χ^2/NDF: 82.4/63

In: 0.007+/-0.023 χ^2/NDF:55.2/52

Out: 0.022+/-0.023 χ^2/NDF:80.3/58

All: 0.014+/-0.016 χ^2/NDF: 135.7/111



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

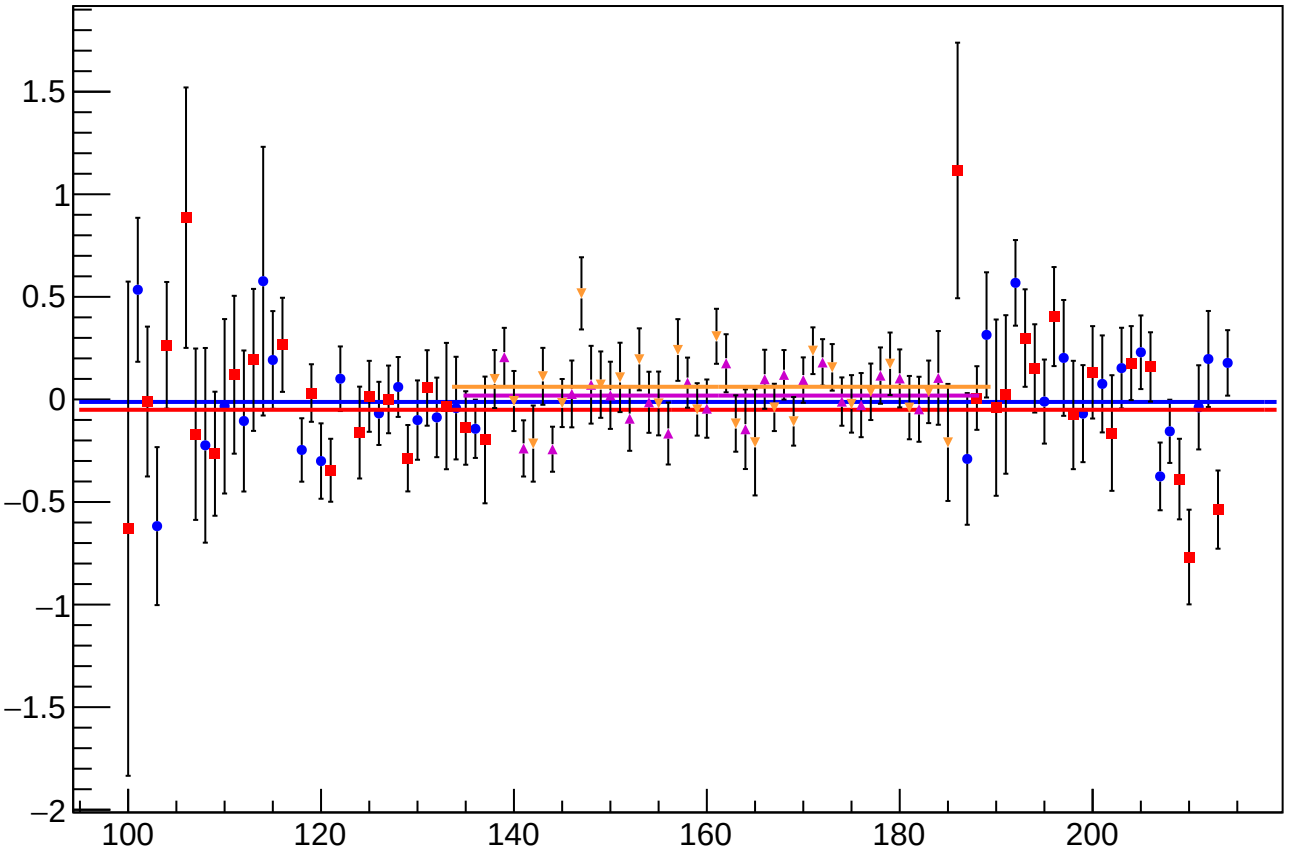
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 153.768+/-0.019 χ^2/NDF: 7175515.9/63

In: 133.688+/-0.016 χ^2/NDF:4705950.8/52

Out: 135.756+/-0.016 χ^2/NDF:5602002.0/58

All: 134.727+/-0.012 χ^2/NDF: 10315984.6/11



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

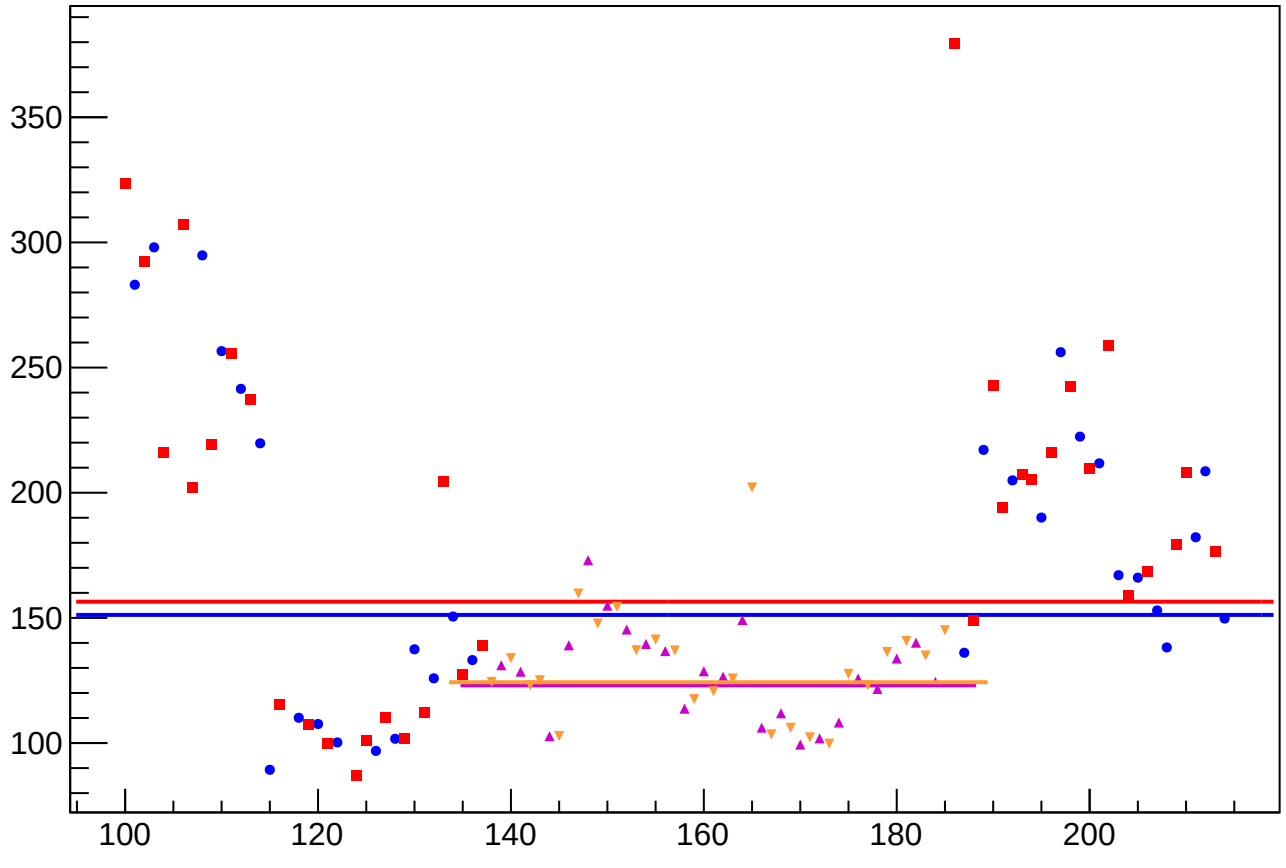
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.031+/-0.027 χ^2/NDF: 82.4/63

In: 0.007+/-0.023 χ^2/NDF:55.2/52

Out: 0.022+/-0.023 χ^2/NDF:80.3/58

All: 0.014+/-0.016 χ^2/NDF: 135.7/111



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

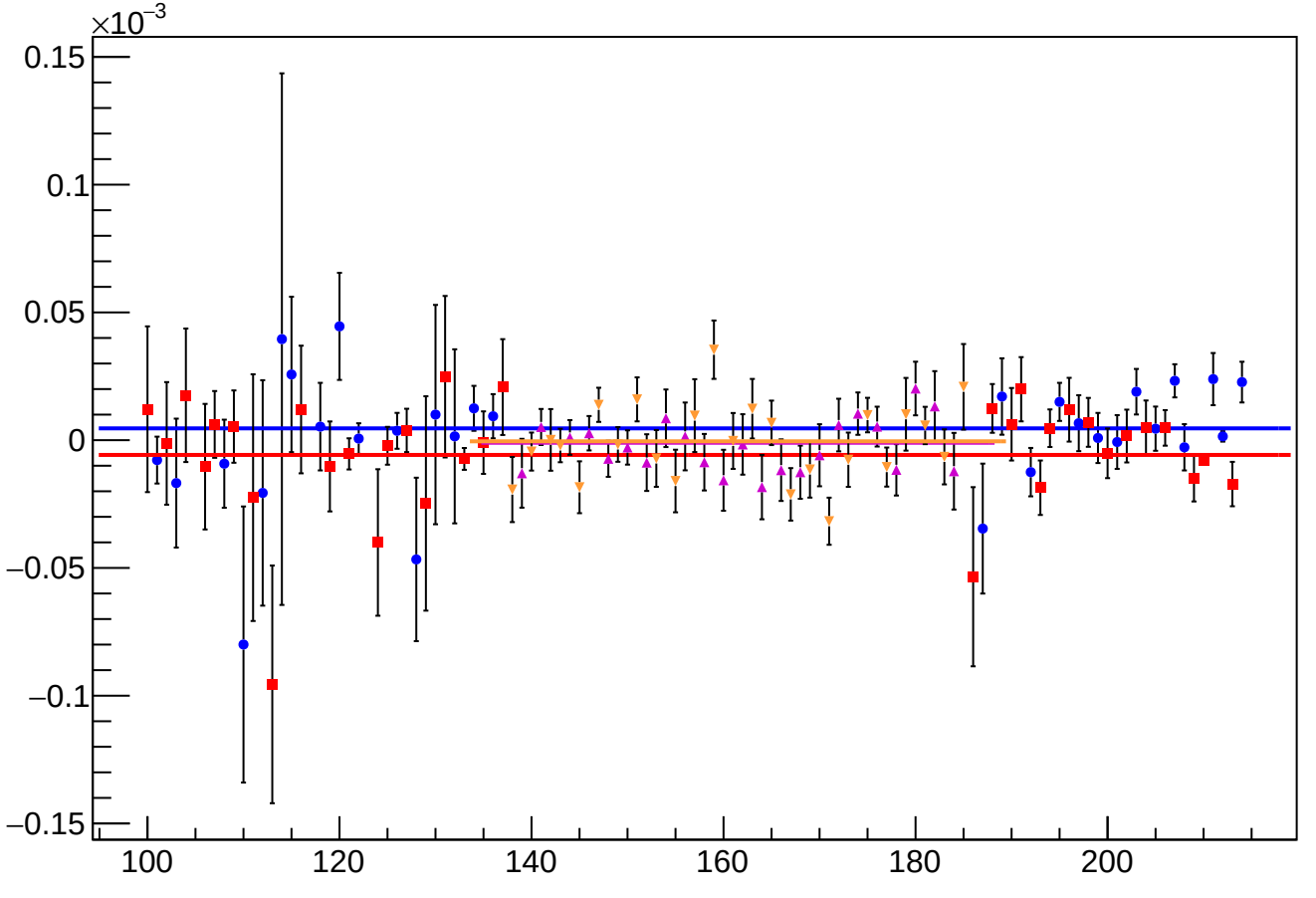
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 153.768+/-0.019 χ^2/NDF: 7175515.9/63

In: 133.688+/-0.016 χ^2/NDF:4705950.8/52

Out: 135.756+/-0.016 χ^2/NDF:5602002.0/58

All: 134.727+/-0.012 χ^2/NDF: 10315984.6/11



Right In: 0.000+/-0.000 χ^2/NDF: 45.7/29

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.2/33

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

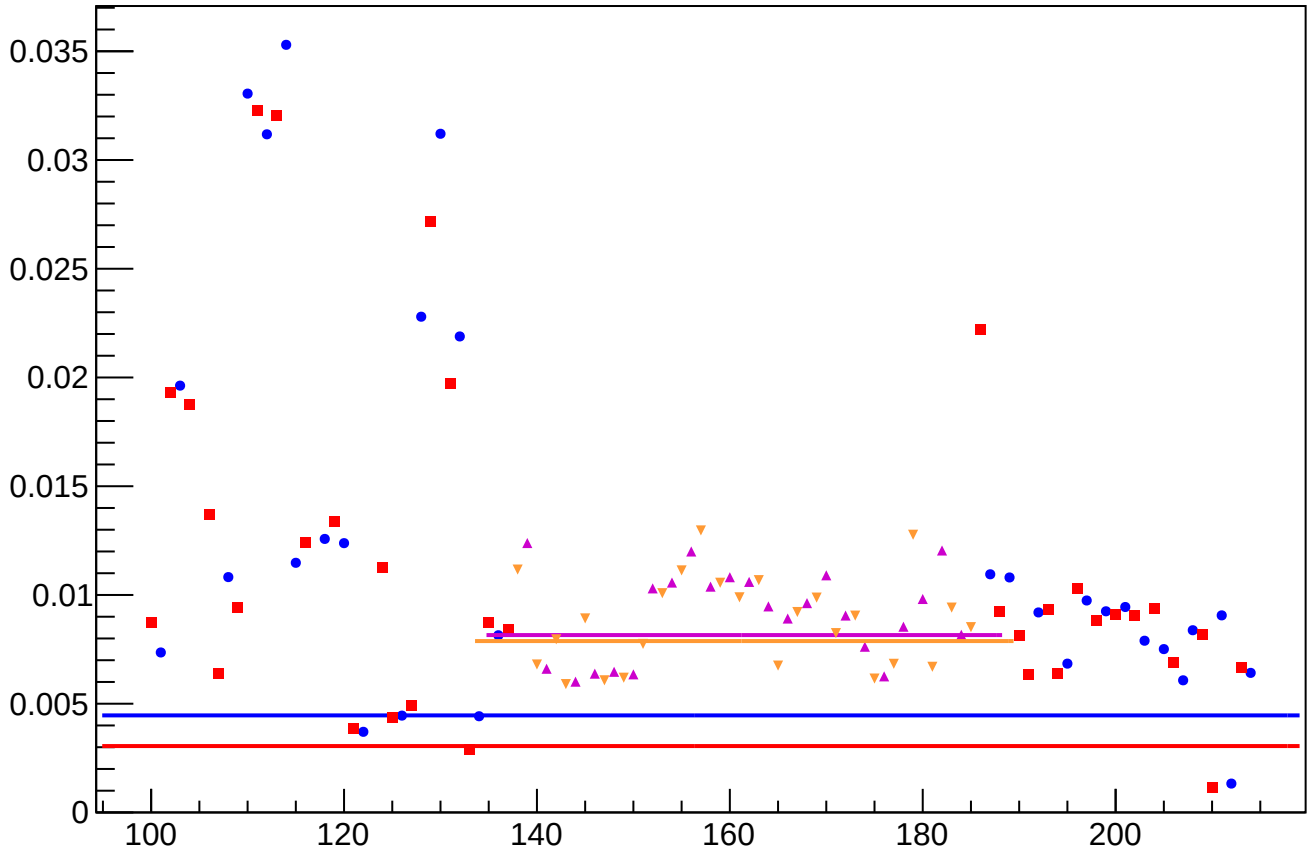
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: -0.000+/-0.000 χ^2/NDF: 119.7/63

In: 0.000+/-0.000 χ^2/NDF:70.9/52

Out: -0.000+/-0.000 χ^2/NDF:98.9/58

All: -0.000+/-0.000 χ^2/NDF: 192.8/111



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

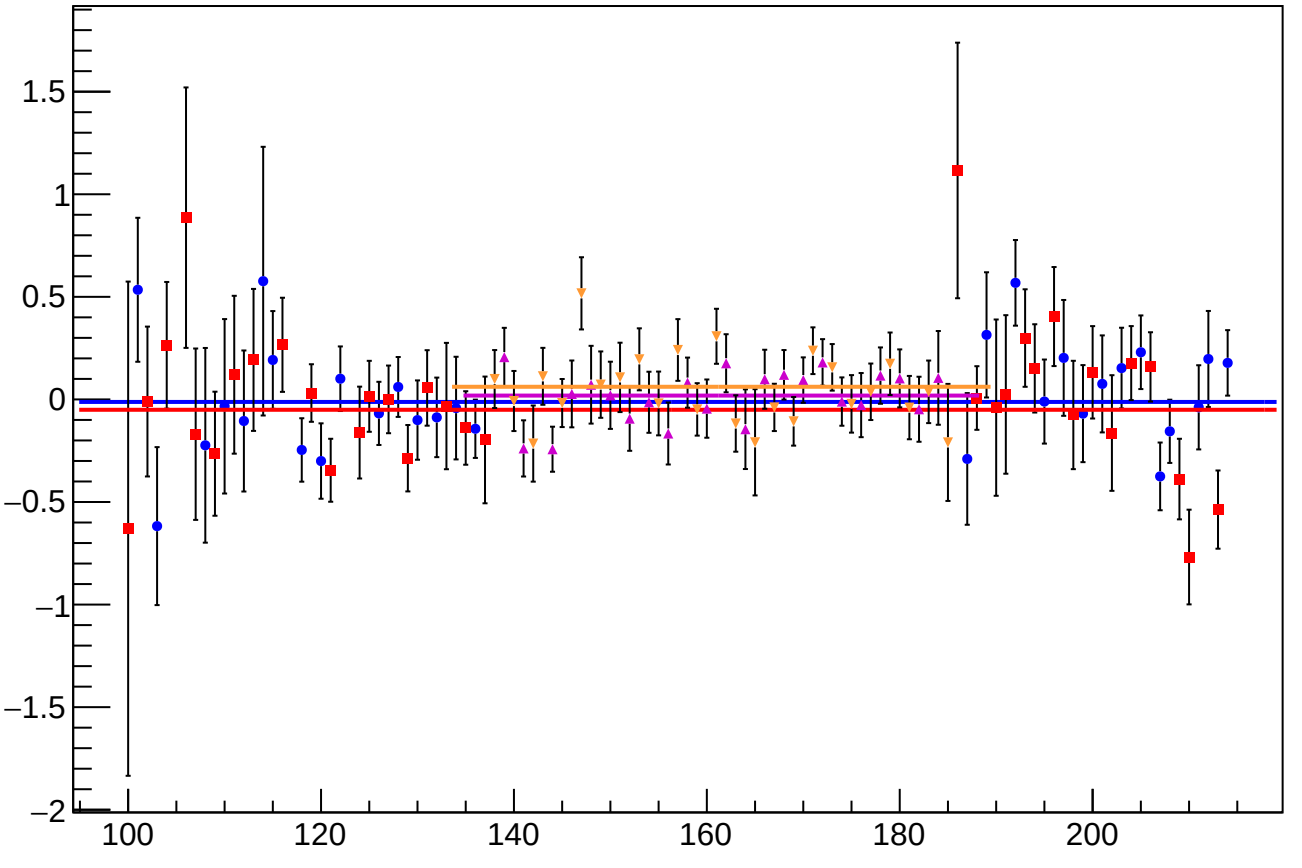
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.004+/-0.000 χ^2/NDF: 35442967.8/63

In: 0.006+/-0.000 χ^2/NDF:21311864.7/52

Out: 0.004+/-0.000 χ^2/NDF:31695942.7/58

All: 0.005+/-0.000 χ^2/NDF: 54909447.2/111



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

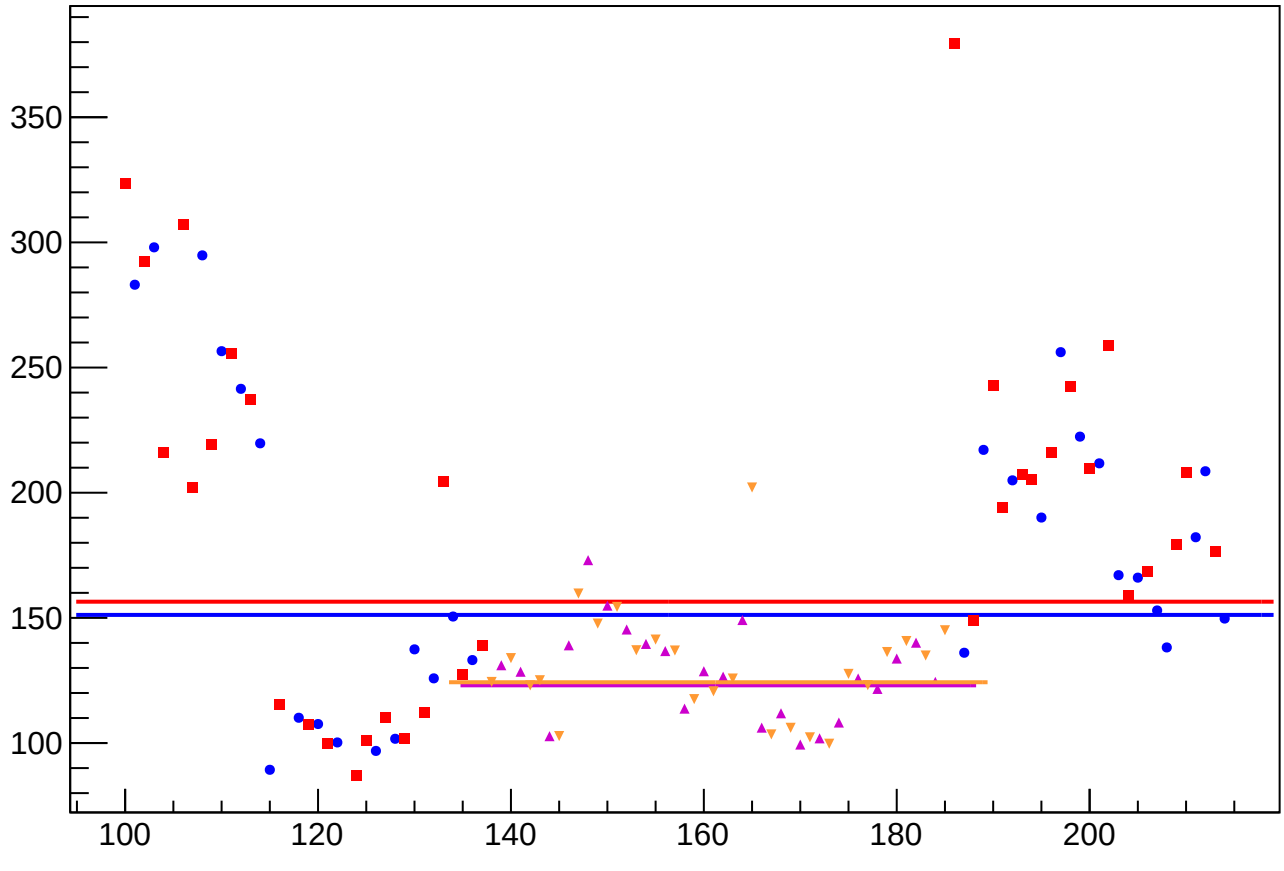
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.031+/-0.027 χ^2/NDF: 82.4/63

In: 0.007+/-0.023 χ^2/NDF:55.2/52

Out: 0.022+/-0.023 χ^2/NDF:80.3/58

All: 0.014+/-0.016 χ^2/NDF: 135.7/111



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

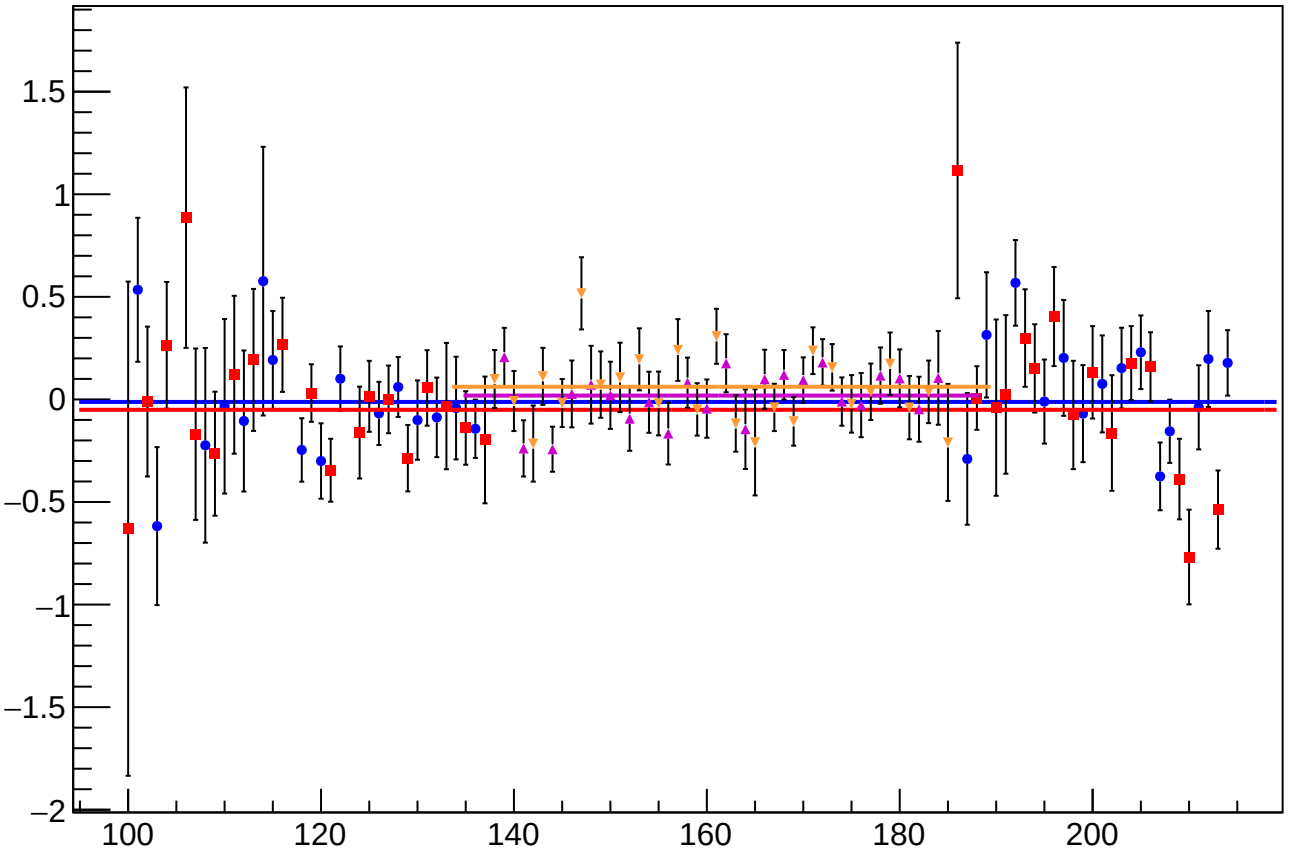
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 153.766+/-0.019 χ^2/NDF: 7175737.2/63

In: 133.687+/-0.016 χ^2/NDF:4705961.2/52

Out: 135.755+/-0.016 χ^2/NDF:5602086.7/58

All: 134.727+/-0.012 χ^2/NDF: 10316080.7/11



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

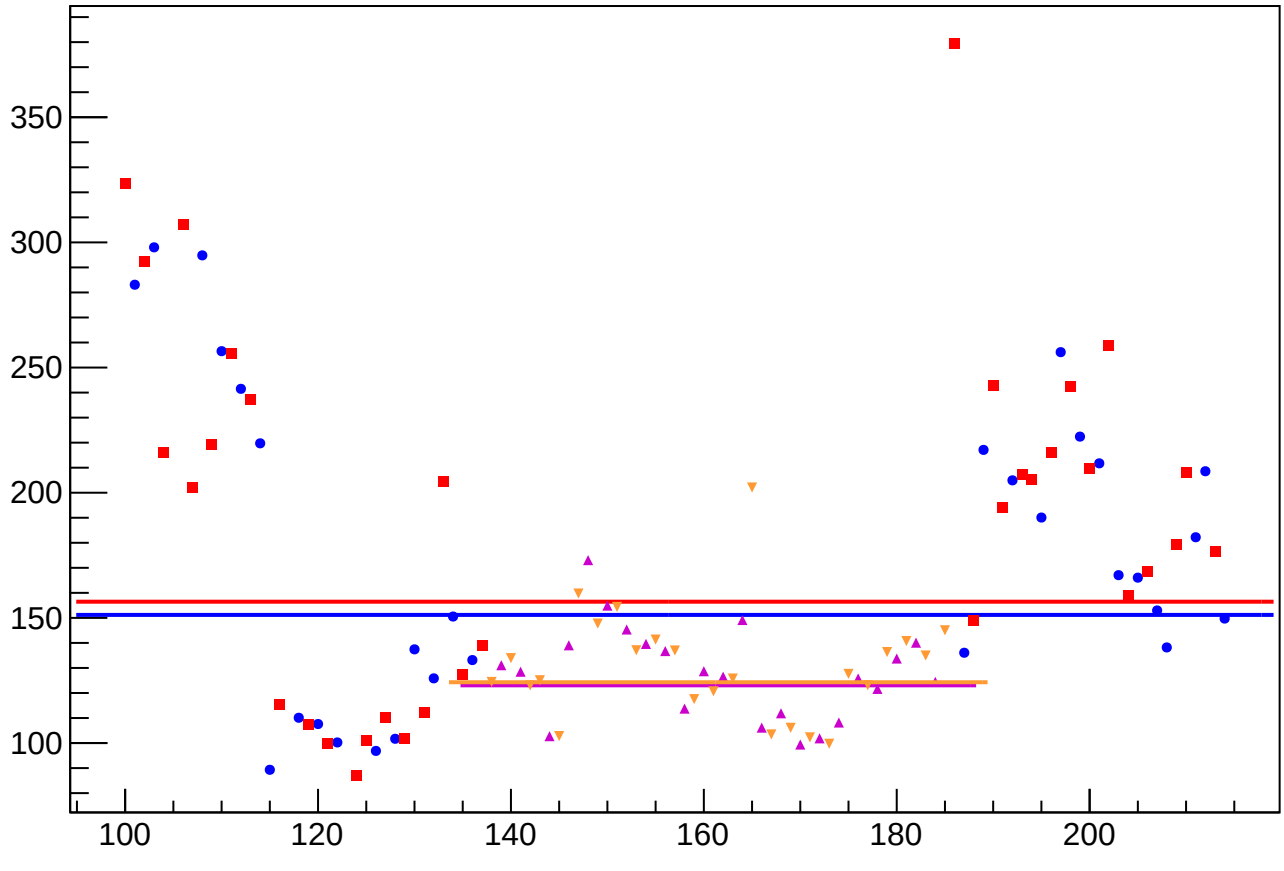
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.031+/-0.027 χ^2/NDF: 82.4/63

In: 0.007+/-0.023 χ^2/NDF:55.2/52

Out: 0.022+/-0.023 χ^2/NDF:80.3/58

All: 0.014+/-0.016 χ^2/NDF: 135.7/111



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

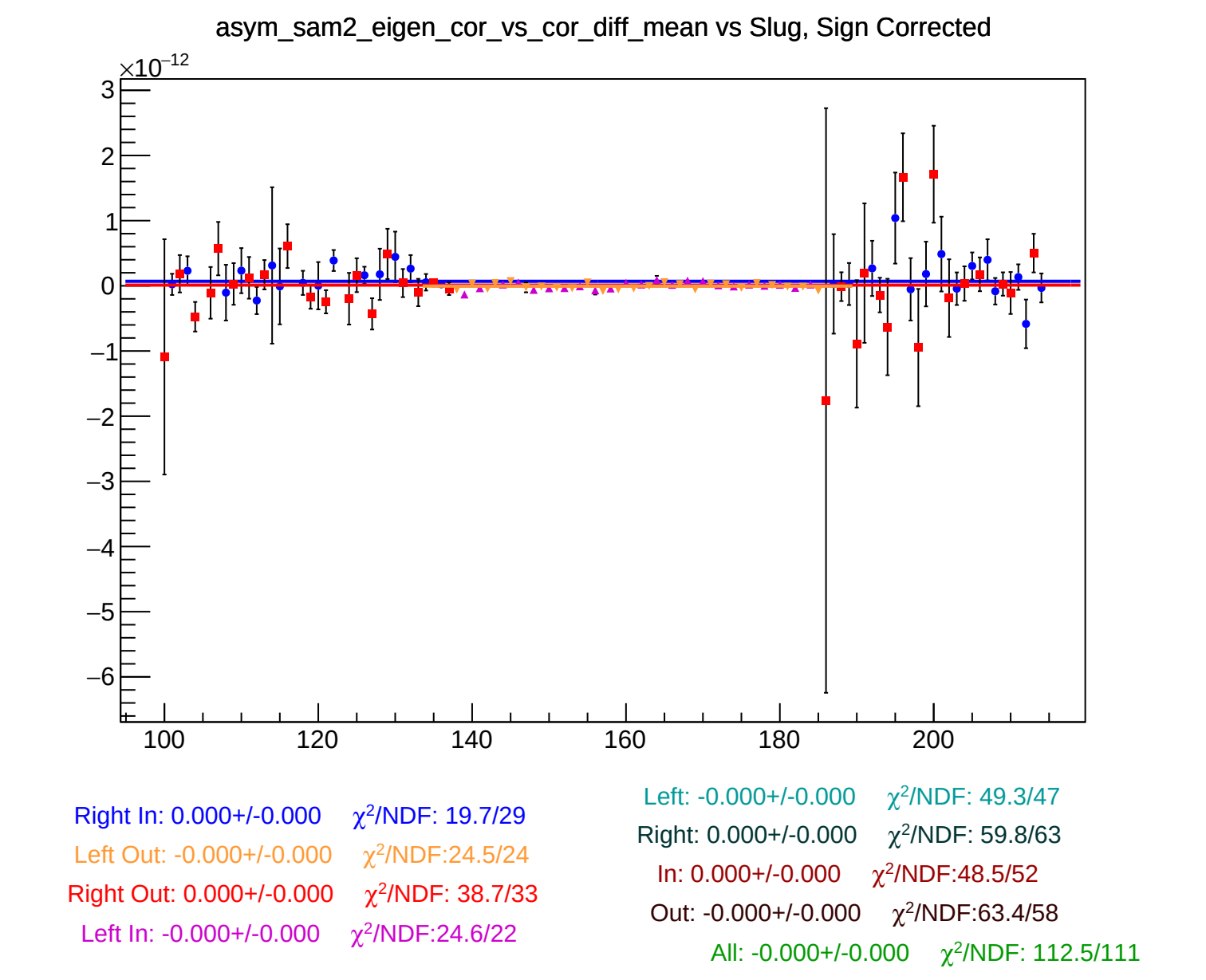
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 153.766+/-0.019 χ^2/NDF: 7175737.2/63

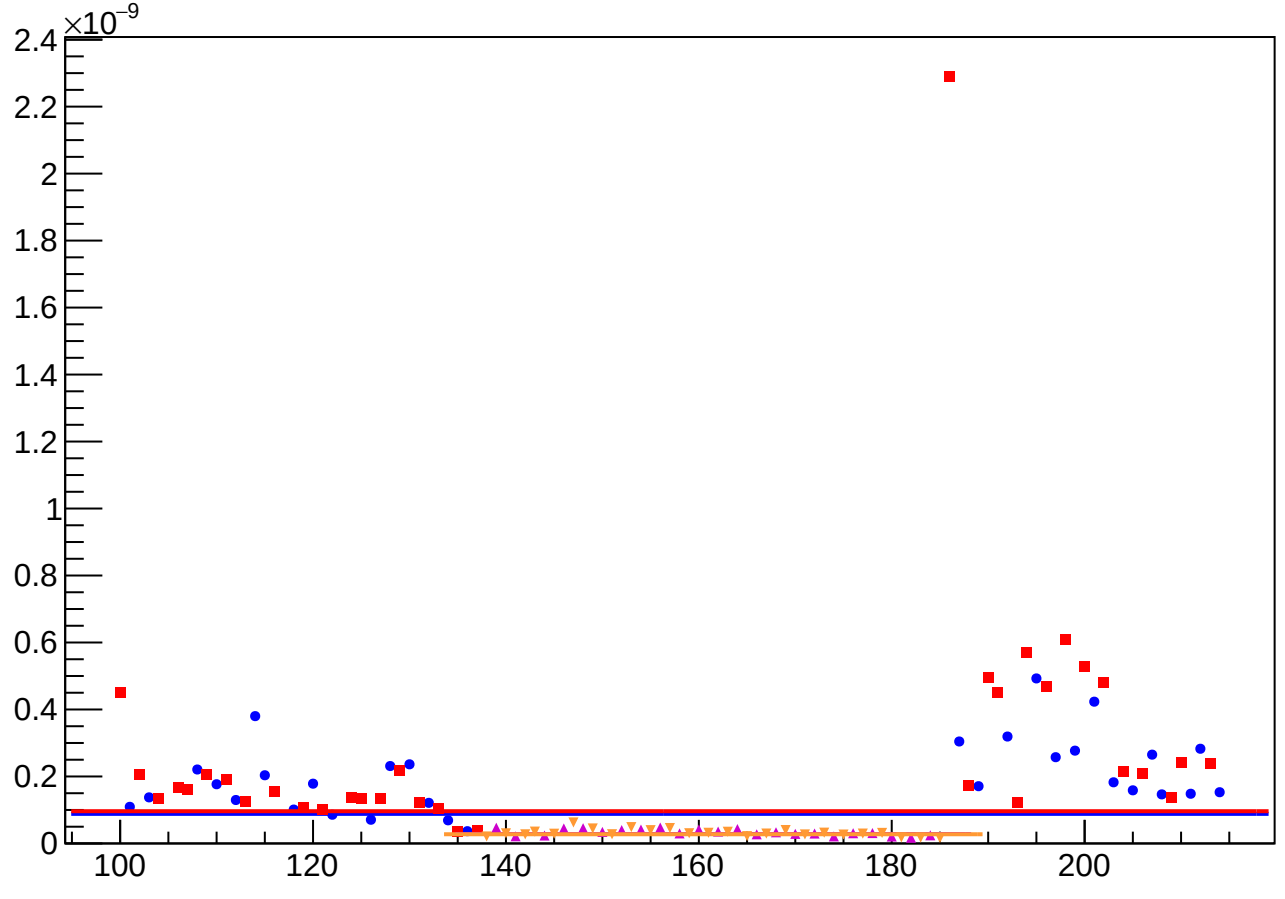
In: 133.687+/-0.016 χ^2/NDF:4705961.2/52

Out: 135.755+/-0.016 χ^2/NDF:5602086.7/58

All: 134.727+/-0.012 χ^2/NDF: 10316080.7/11


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.7/29
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 38.7/33
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: -0.000+/-0.000 χ²/NDF: 49.3/47
Right: 0.000+/-0.000 χ²/NDF: 59.8/63
In: 0.000+/-0.000 χ²/NDF:48.5/52
Out: -0.000+/-0.000 χ²/NDF:63.4/58
All: -0.000+/-0.000 χ²/NDF: 112.5/111

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

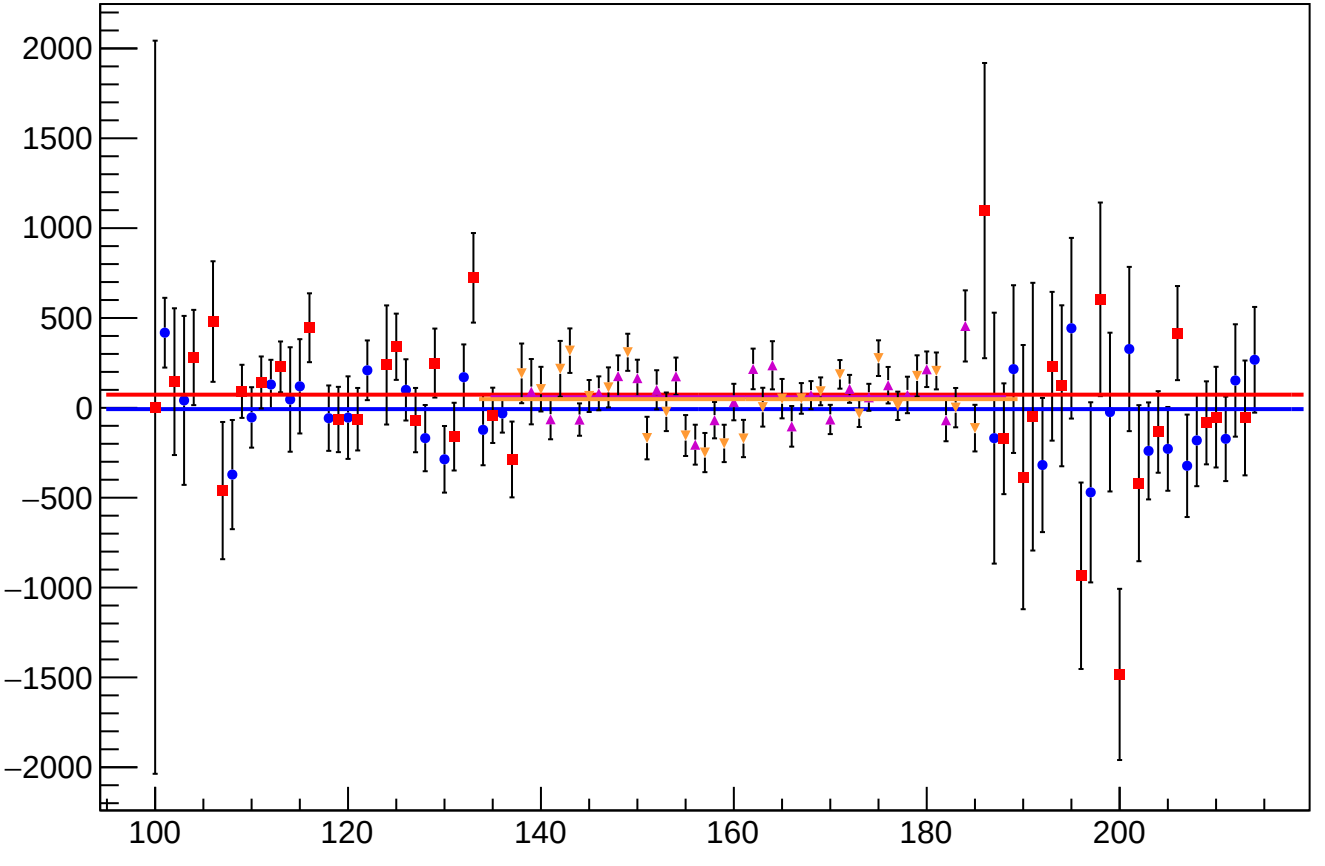
Right: 0.000+/-0.000 χ^2/NDF: 19847197.4/63

In: 0.000+/-0.000 χ^2/NDF:17331689.8/52

Out: 0.000+/-0.000 χ^2/NDF:20305728.1/58

All: 0.000+/-0.000 χ^2/NDF: 37659019.7/111

reg_asym_sam3_mean vs Slug, Sign Corrected



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

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

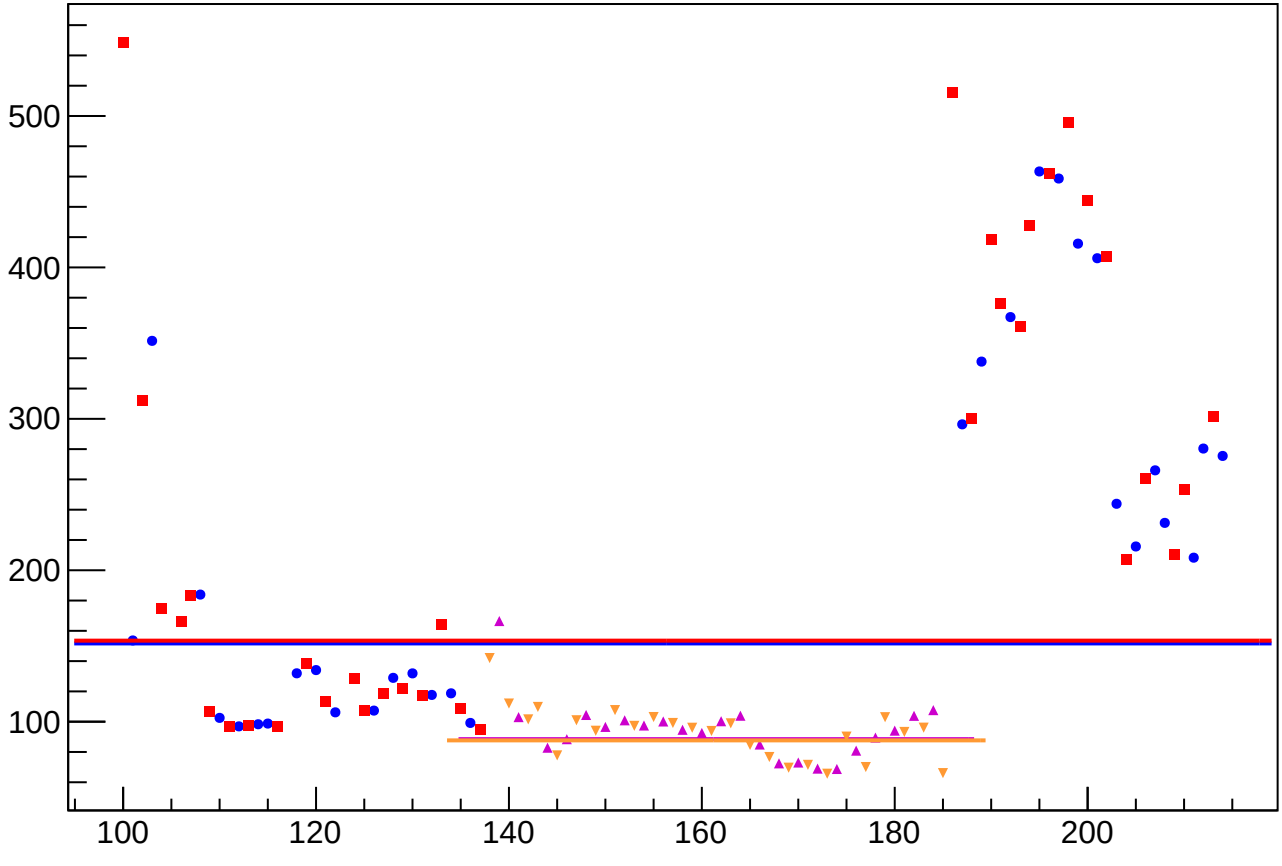
Right: 32.624+/-28.808 χ^2/NDF: 73.2/63

In: 44.837+/-18.750 χ^2/NDF:55.0/52

Out: 53.352+/-18.281 χ^2/NDF:102.8/58

All: 49.203+/-13.089 χ^2/NDF: 157.9/111

reg_asym_sam3_rms vs Slug, Sign Corrected



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

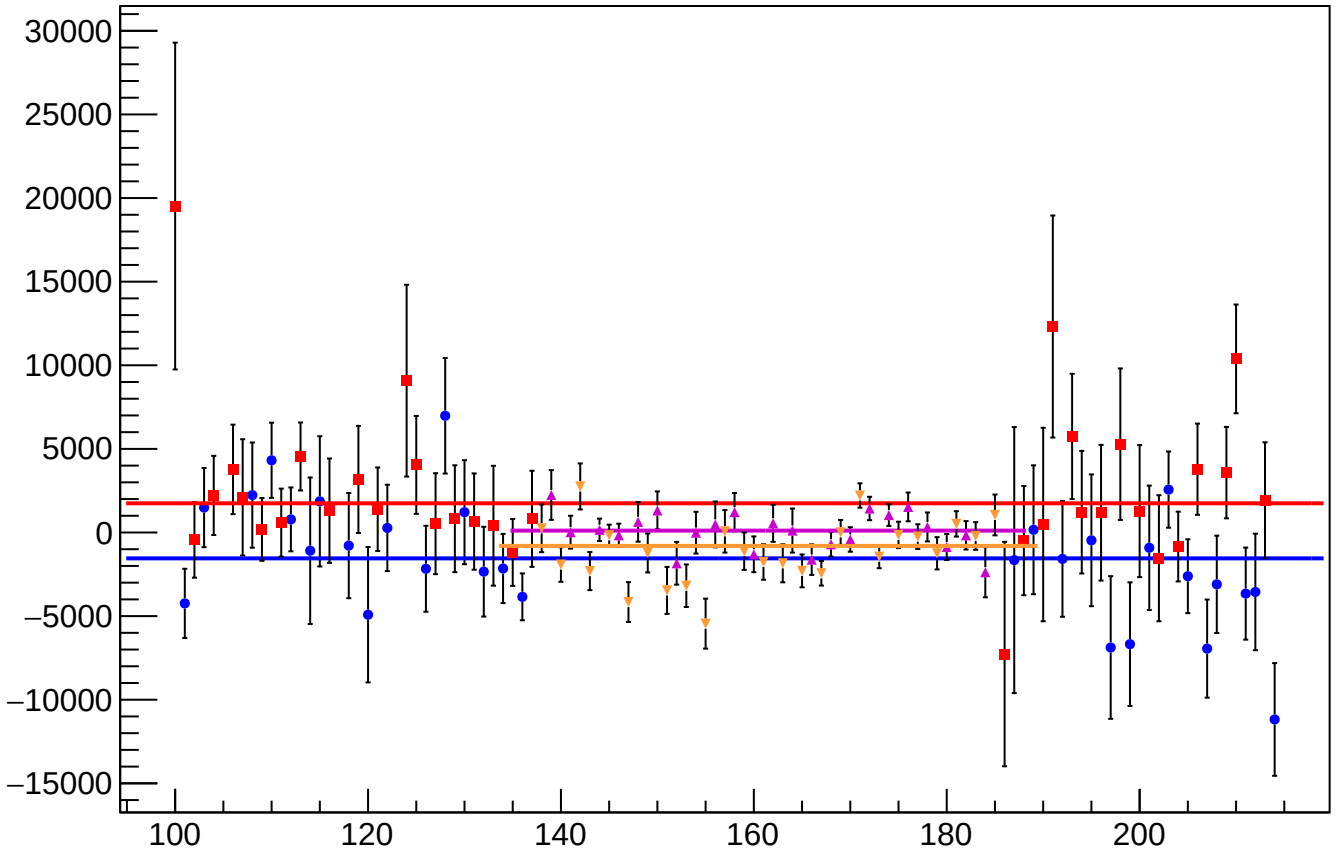
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

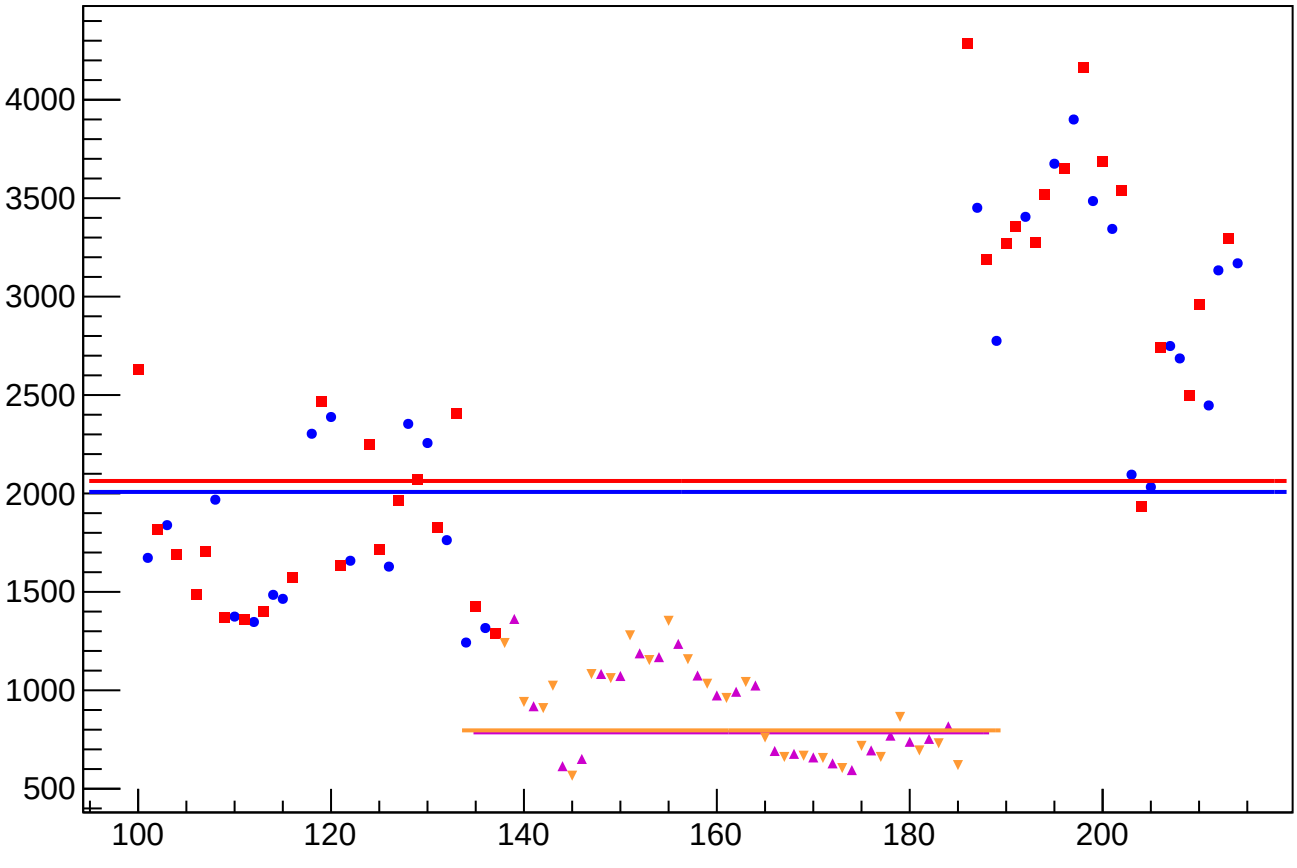
Right: 152.589+/-0.020 χ^2/NDF: 16550564.8/63

In: 102.039+/-0.013 χ^2/NDF:12544163.2/52

Out: 100.749+/-0.013 χ^2/NDF:14256589.1/58

All: 101.377+/-0.009 χ^2/NDF: 26805607.4/1


asym_sam3_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1547.122+/-499.919 χ²/NDF: 45.0/29
Left Out: -801.506+/-187.755 χ²/NDF:71.9/24
Right Out: 1746.282+/-506.700 χ²/NDF: 30.1/33
Left In: 112.483+/-190.269 χ²/NDF:27.1/22
Left: -350.590+/-133.643 χ²/NDF: 110.6/47
Right: 77.395+/-355.870 χ²/NDF: 96.5/63
In: -97.504+/-177.825 χ²/NDF:81.6/52
Out: -493.919+/-176.057 χ²/NDF:124.2/58
All: -297.692+/-125.112 χ²/NDF: 208.4/111



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

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

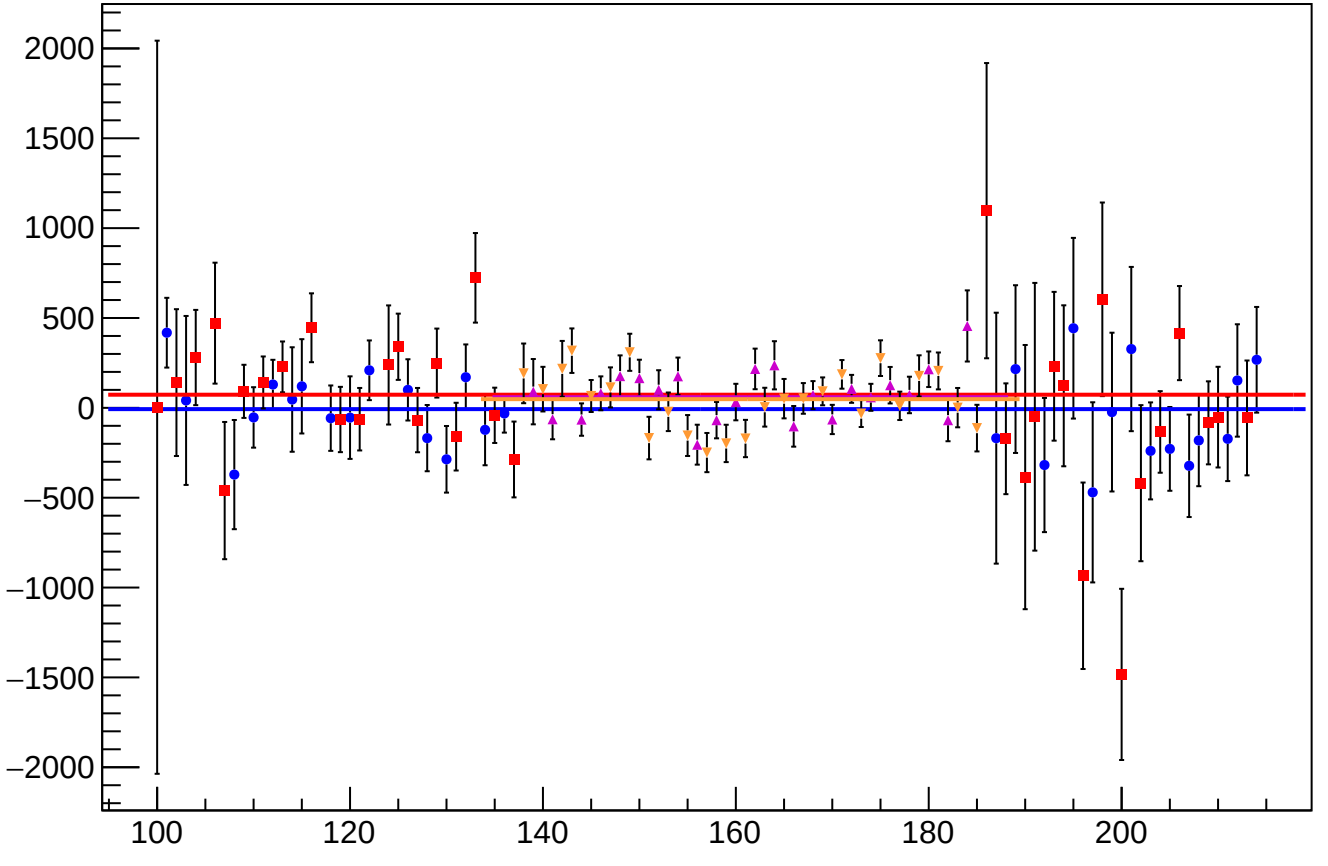
Right: 2035.216+/-0.252 χ^2/NDF: 8592595.0/63

In: 940.879+/-0.126 χ^2/NDF:16576695.3/52

Out: 949.473+/-0.124 χ^2/NDF:17999858.1/58

All: 945.219+/-0.088 χ^2/NDF: 34578912.4/11

cor_asym_sam3_mean vs Slug, Sign Corrected



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

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

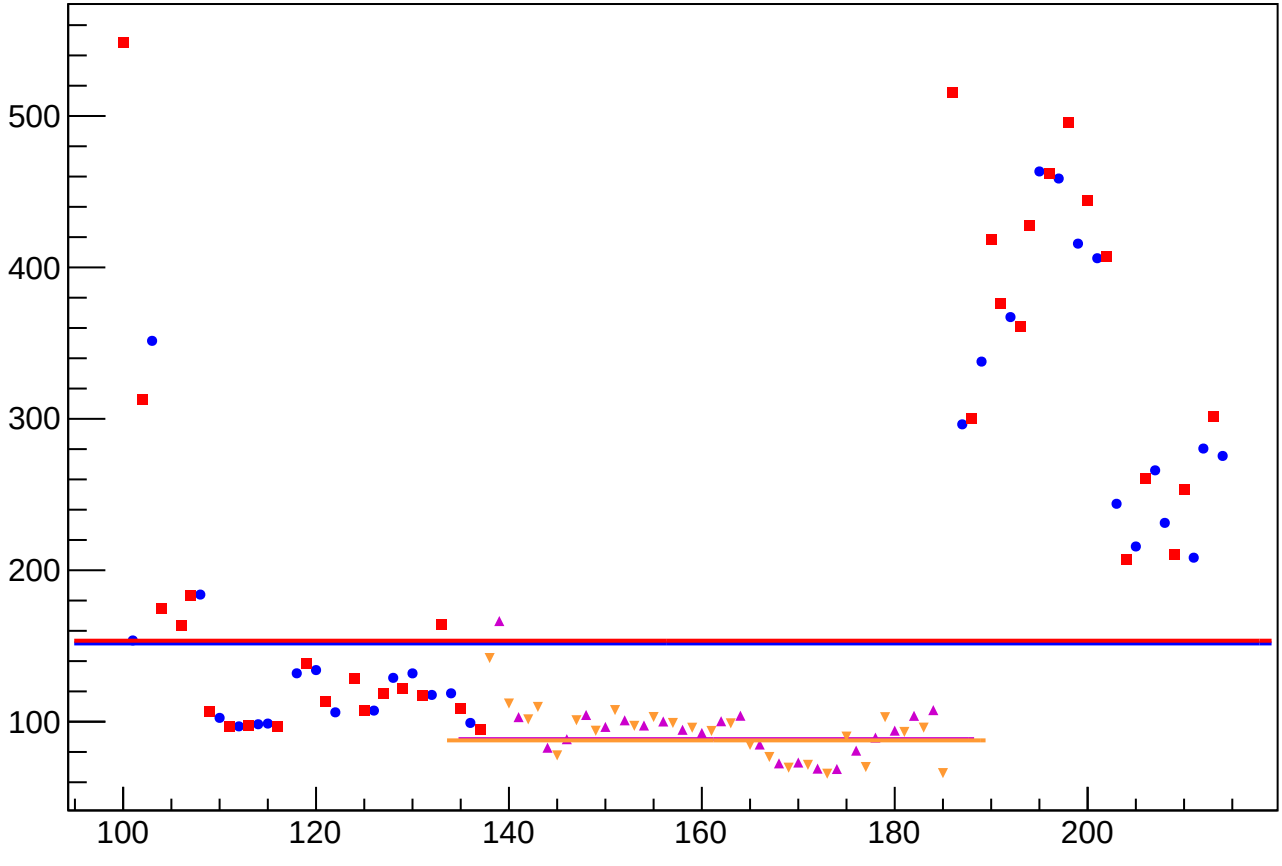
Right: 32.503+/-28.809 χ^2/NDF: 73.1/63

In: 44.837+/-18.750 χ^2/NDF:55.0/52

Out: 53.312+/-18.281 χ^2/NDF:102.7/58

All: 49.182+/-13.089 χ^2/NDF: 157.8/111

cor_asym_sam3_rms vs Slug, Sign Corrected



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

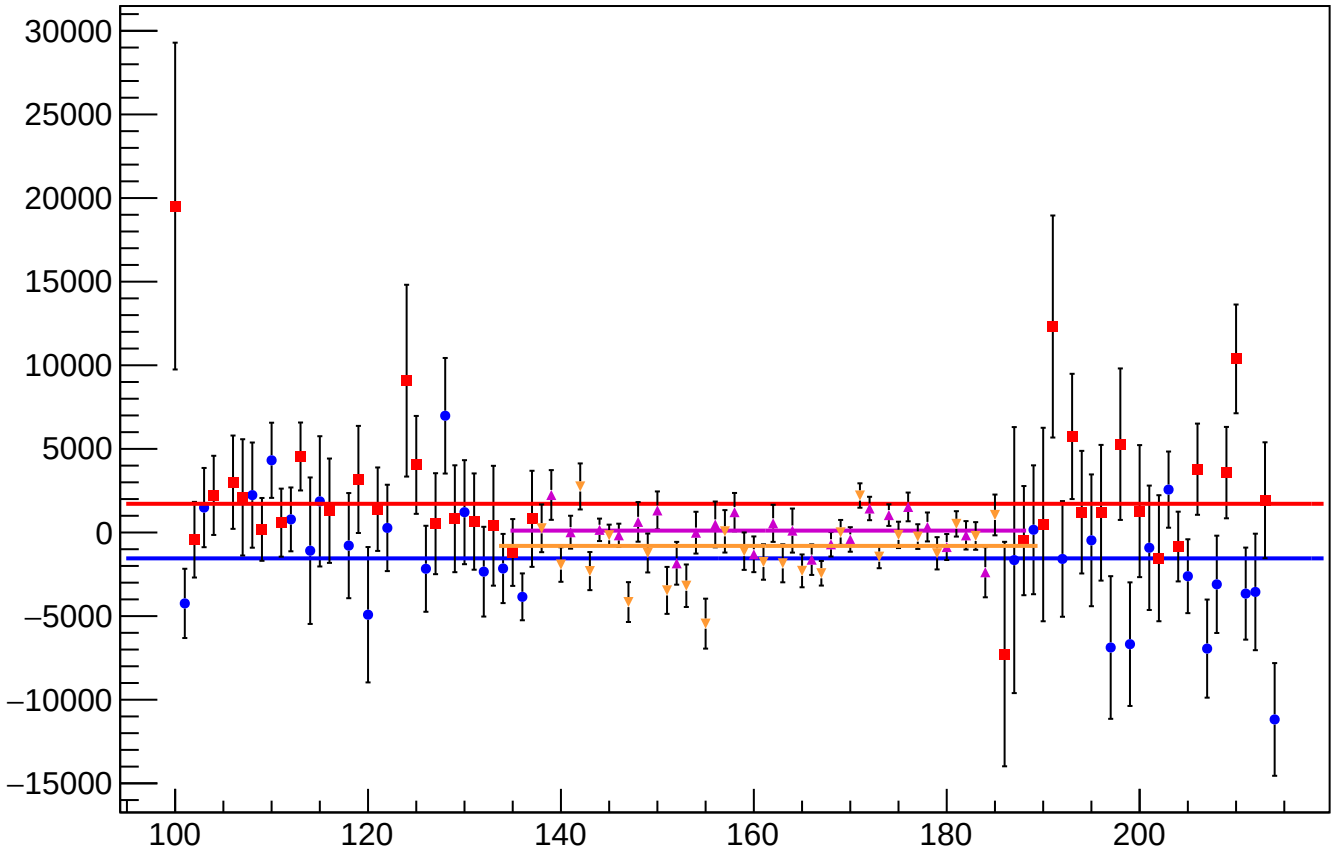
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 152.570+/-0.020 χ^2/NDF: 16549632.2/63

In: 102.039+/-0.013 χ^2/NDF:12544164.9/52

Out: 100.740+/-0.013 χ^2/NDF:14250652.2/58

All: 101.373+/-0.009 χ^2/NDF: 26799737.1/11



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

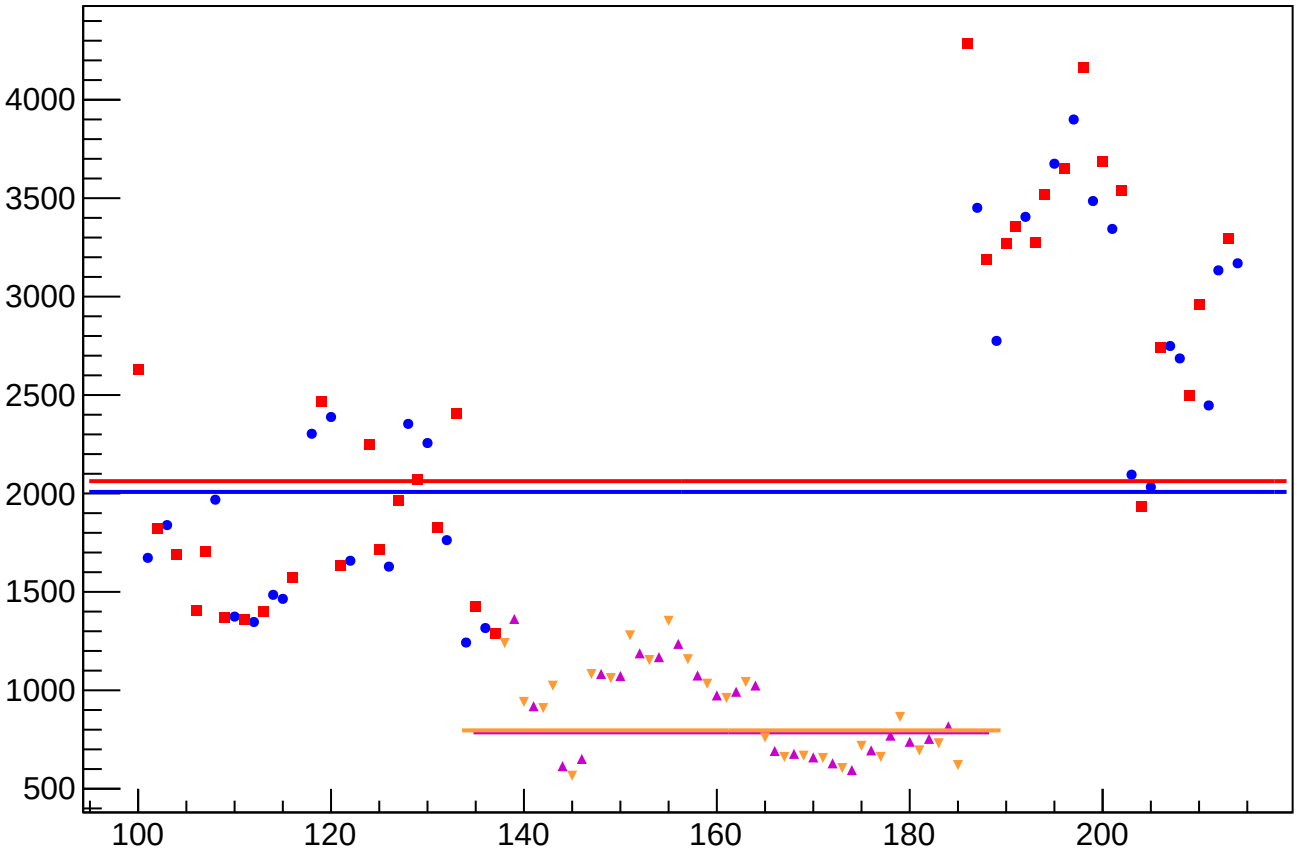
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 60.044+/-356.133 χ^2/NDF: 95.6/63

In: -97.500+/-177.825 χ^2/NDF:81.6/52

Out: -498.363+/-176.089 χ^2/NDF:123.3/58

All: -299.898+/-125.123 χ^2/NDF: 207.5/111



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

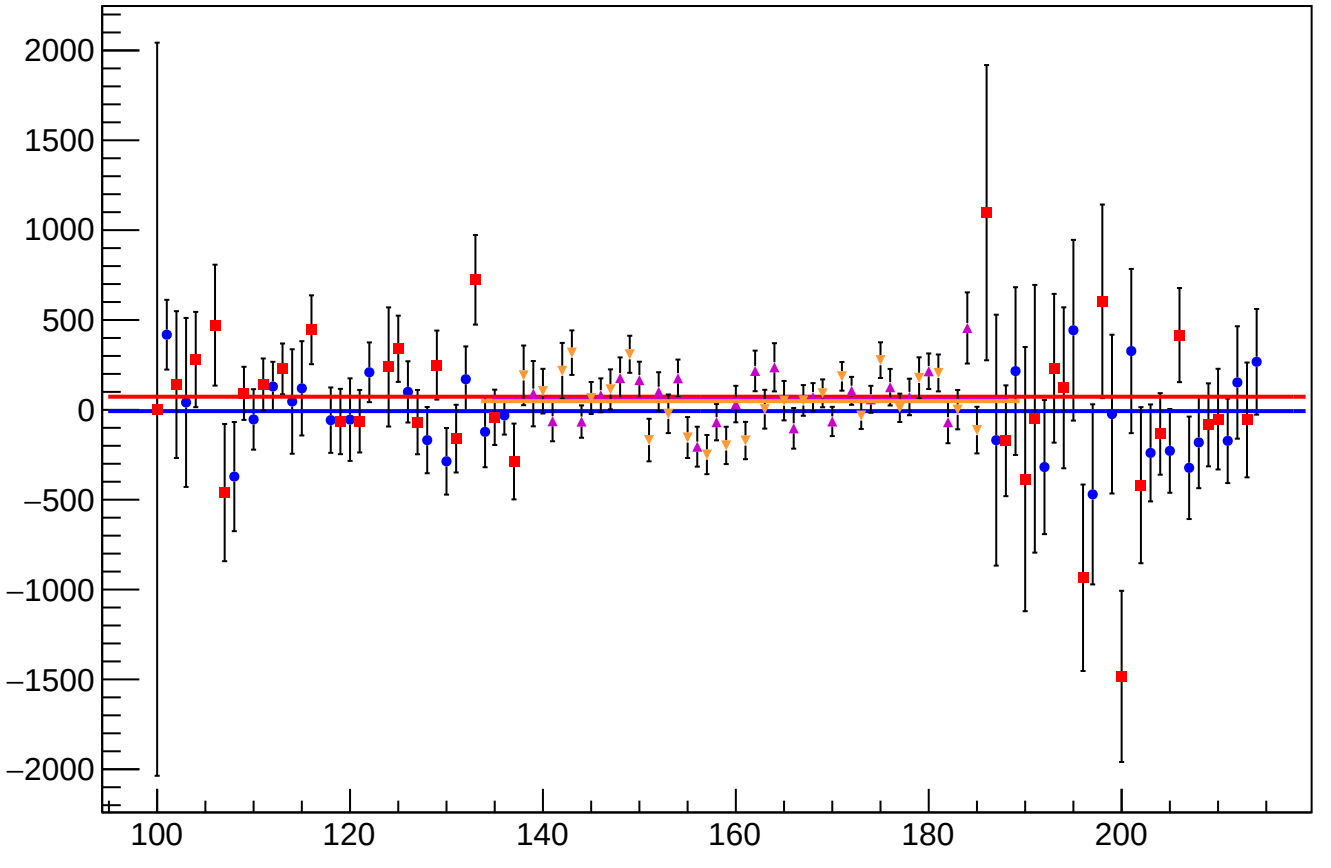
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 2034.732+/-0.252 χ^2/NDF: 8609999.6/63

In: 940.880+/-0.126 χ^2/NDF:16576752.6/52

Out: 948.962+/-0.125 χ^2/NDF:17973092.9/58

All: 944.960+/-0.088 χ^2/NDF: 34551931.6/11



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

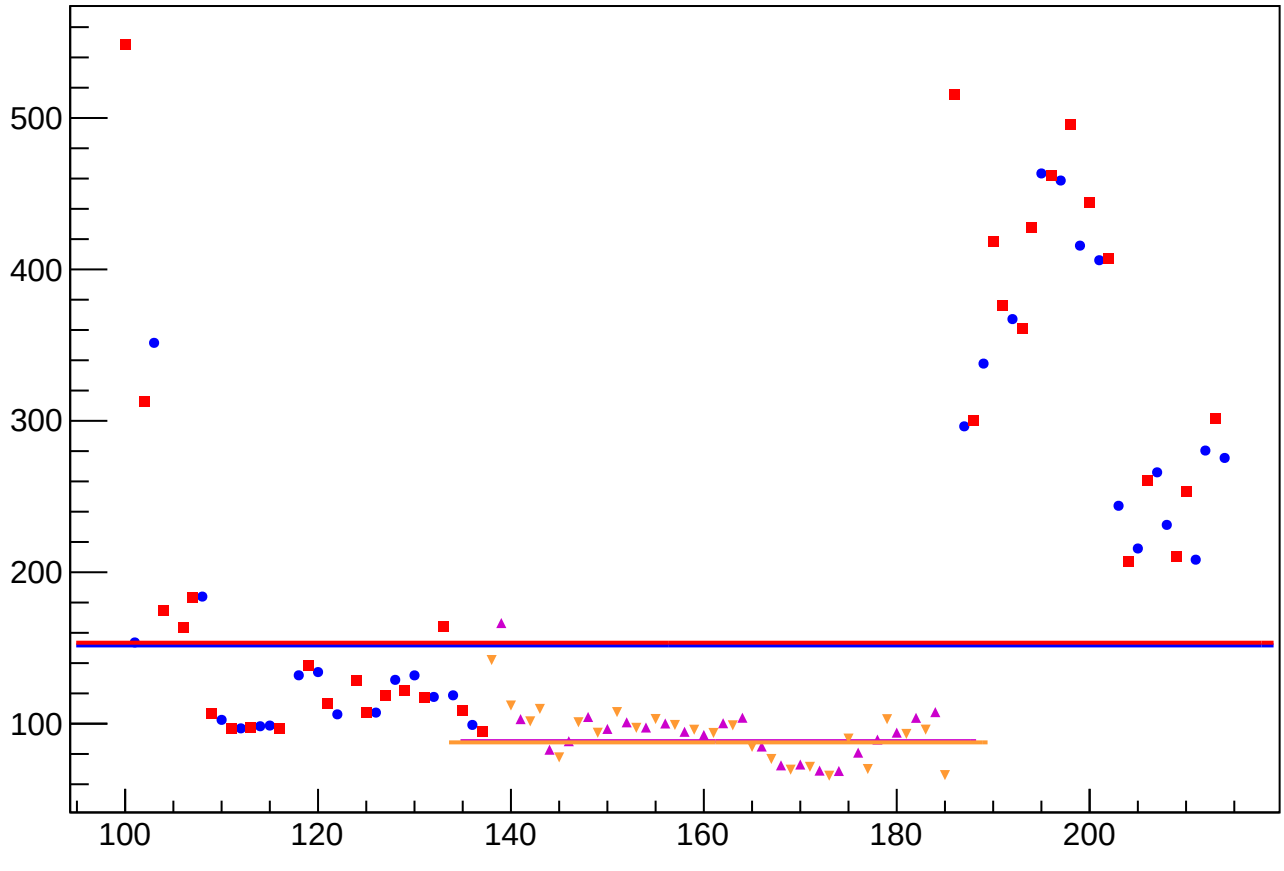
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 32.503+/-28.809 χ^2/NDF: 73.1/63

In: 44.837+/-18.750 χ^2/NDF:55.0/52

Out: 53.312+/-18.281 χ^2/NDF:102.7/58

All: 49.182+/-13.089 χ^2/NDF: 157.8/111



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

Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

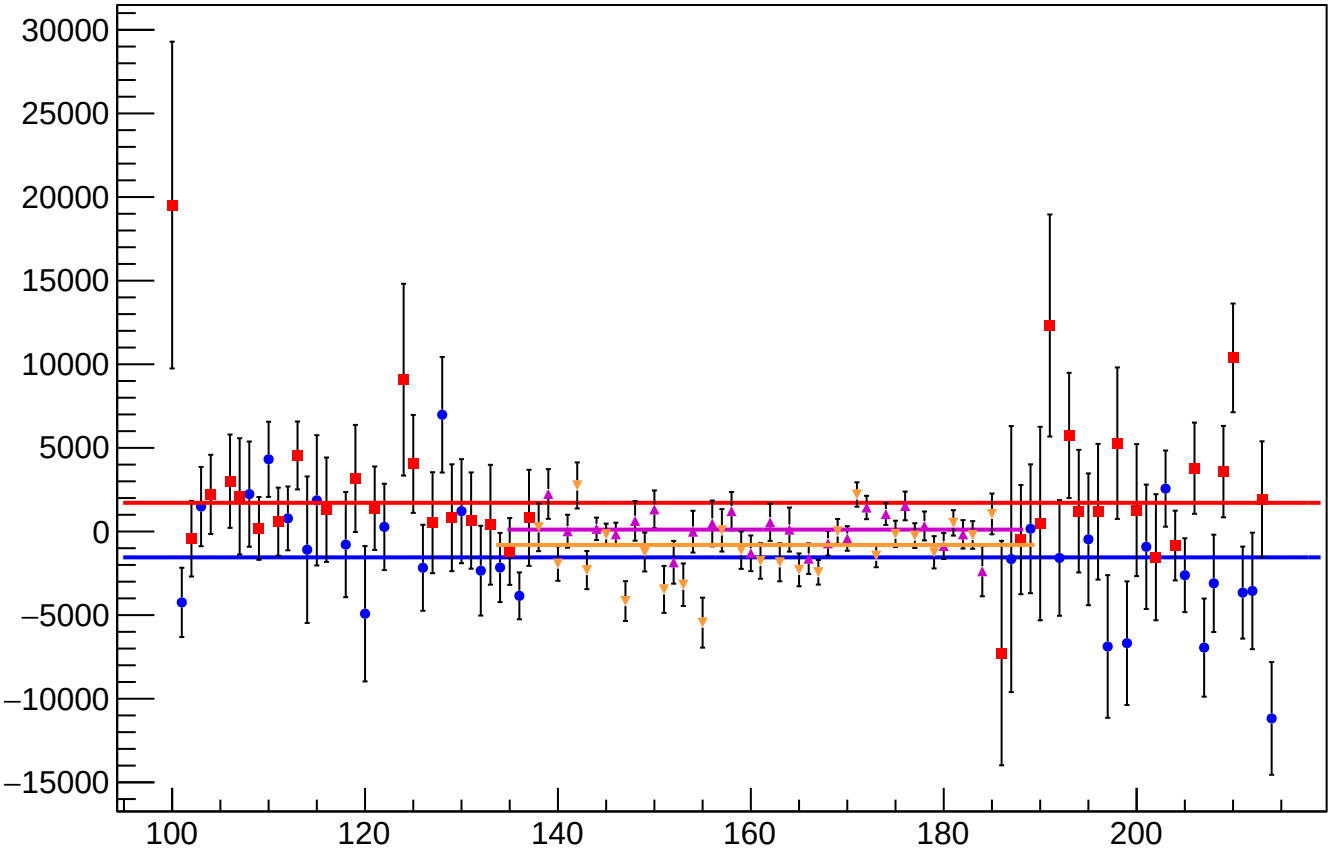
Right: 152.570+/-0.020 χ^2/NDF: 16549632.2/63

In: 102.039+/-0.013 χ^2/NDF:12544164.9/52

Out: 100.740+/-0.013 χ^2/NDF:14250652.2/58

All: 101.373+/-0.009 χ^2/NDF: 26799737.1/11

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



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

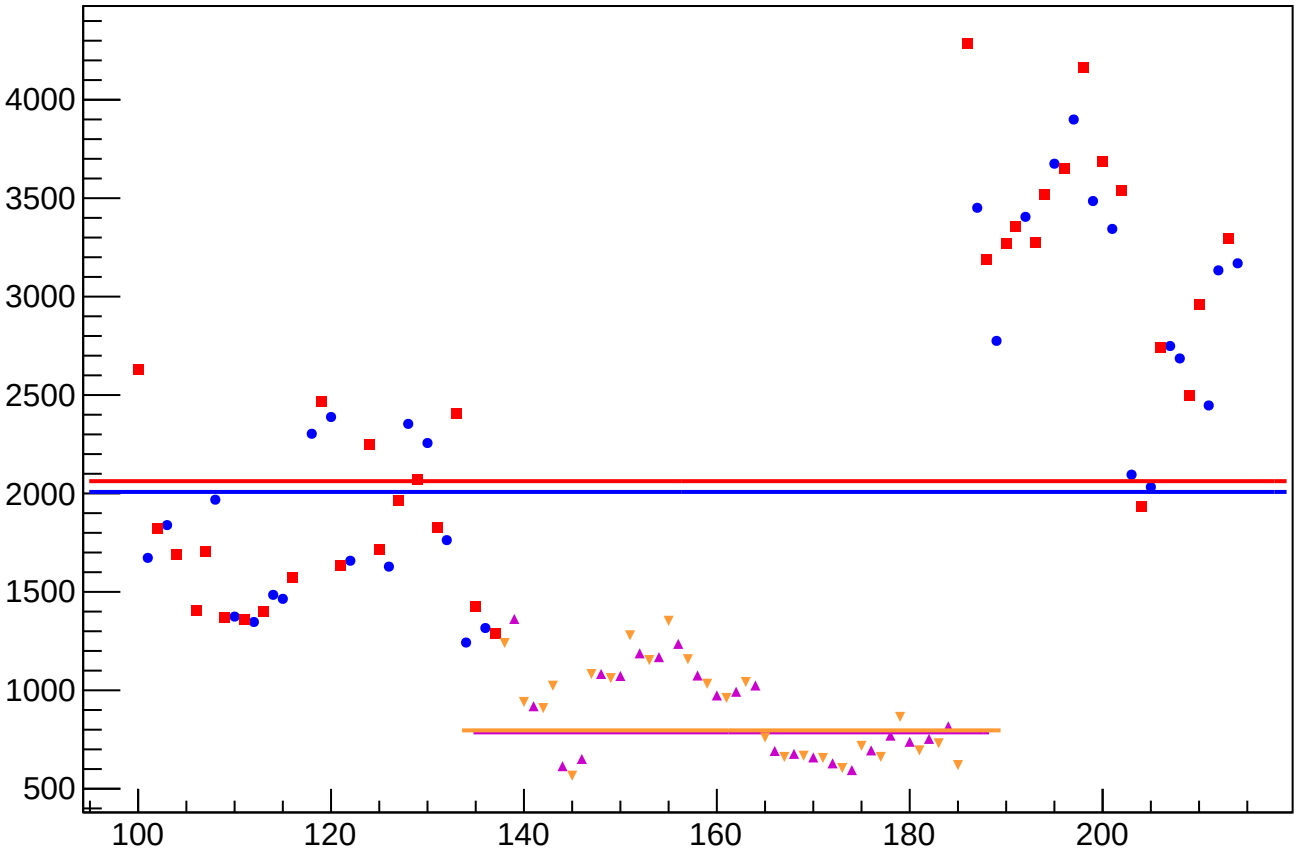
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 60.044+/-356.133 χ^2/NDF: 95.6/63

In: -97.500+/-177.825 χ^2/NDF:81.6/52

Out: -498.363+/-176.089 χ^2/NDF:123.3/58

All: -299.898+/-125.123 χ^2/NDF: 207.5/111



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

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

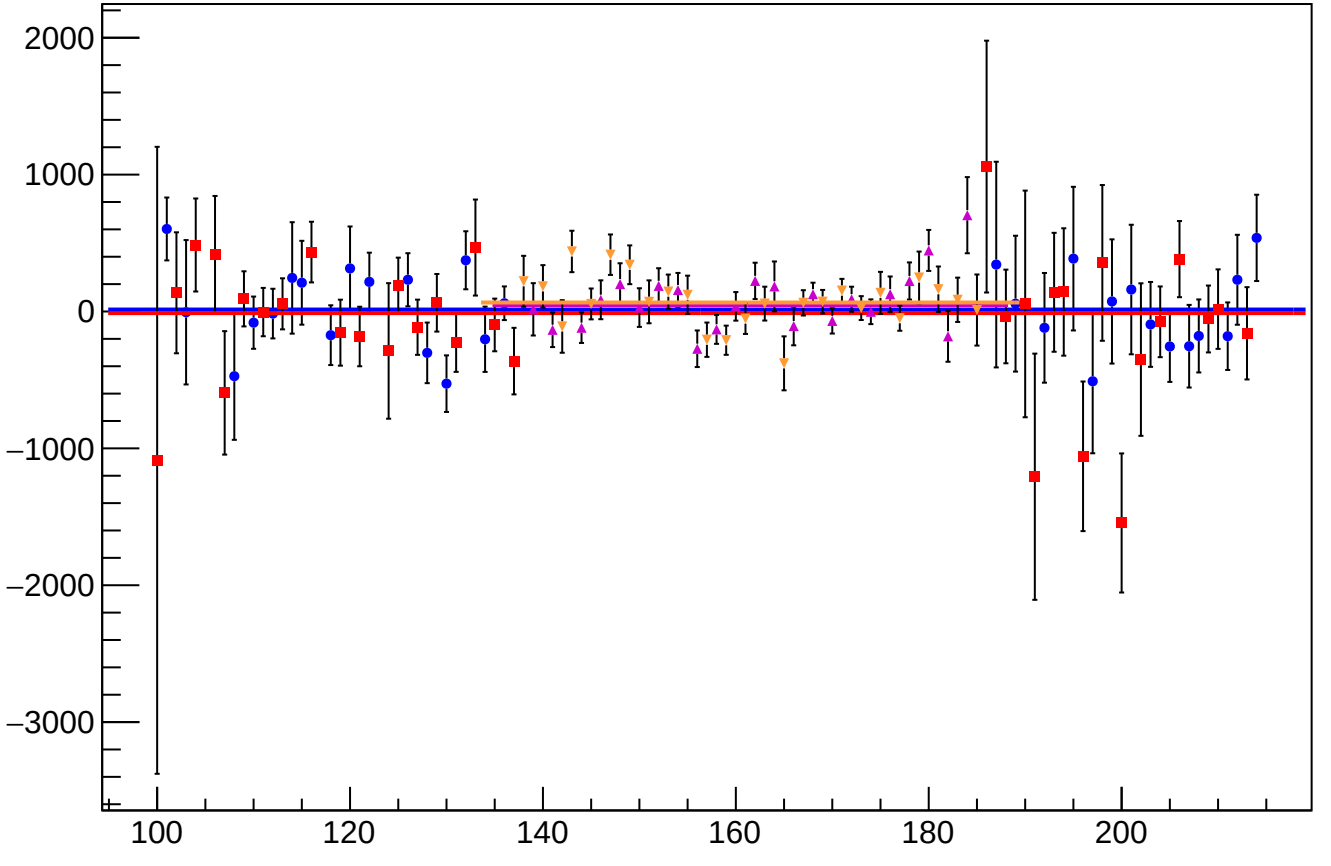
Right: 2034.732+/-0.252 χ^2/NDF: 8609999.6/63

In: 940.880+/-0.126 χ^2/NDF:16576752.6/52

Out: 948.962+/-0.125 χ^2/NDF:17973092.9/58

All: 944.960+/-0.088 χ^2/NDF: 34551931.6/11

dit_asym_sam3_mean vs Slug, Sign Corrected



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

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

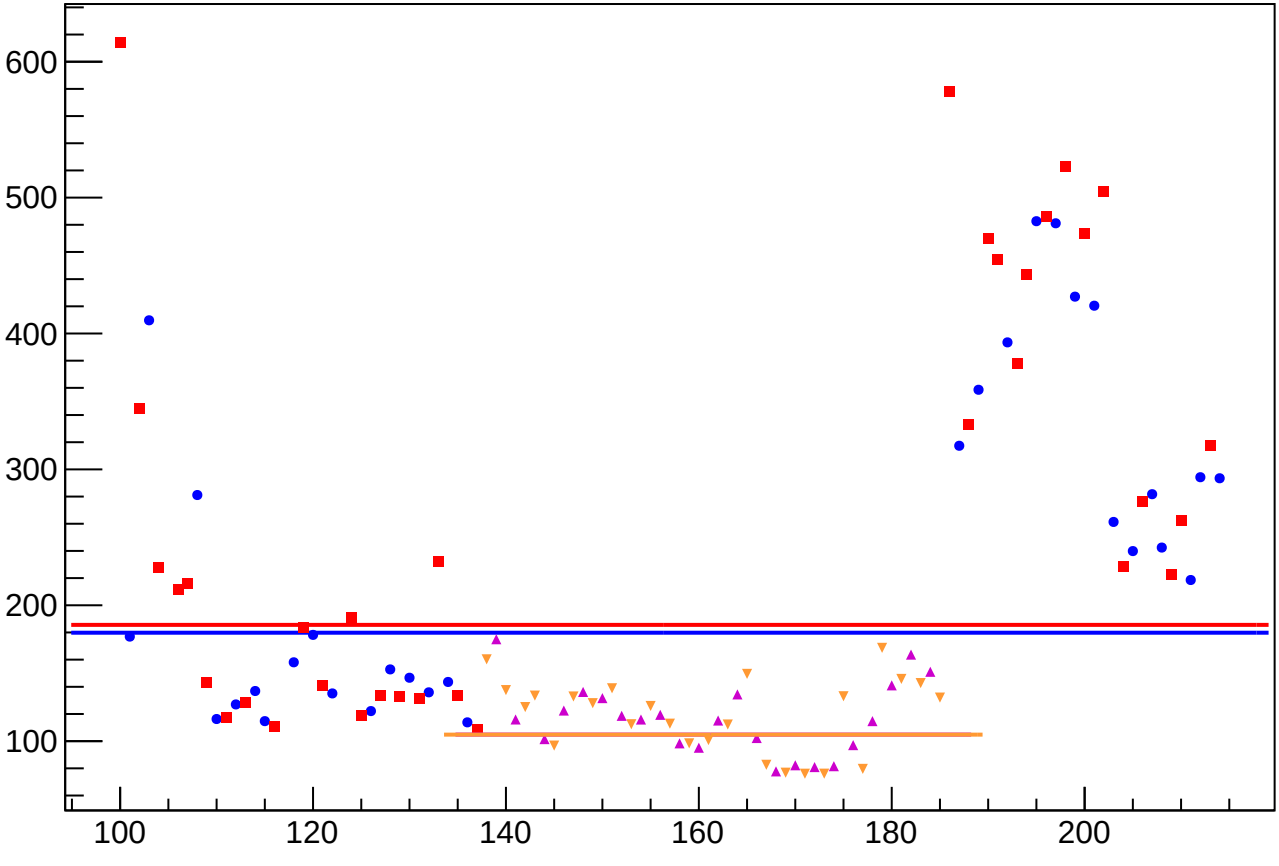
Right: 1.549+/-33.992 χ^2/NDF: 70.3/63

In: 39.560+/-22.583 χ^2/NDF:72.5/52

Out: 49.533+/-22.297 χ^2/NDF:78.7/58

All: 44.610+/-15.866 χ^2/NDF: 151.3/111

dit_asym_sam3_rms vs Slug, Sign Corrected



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

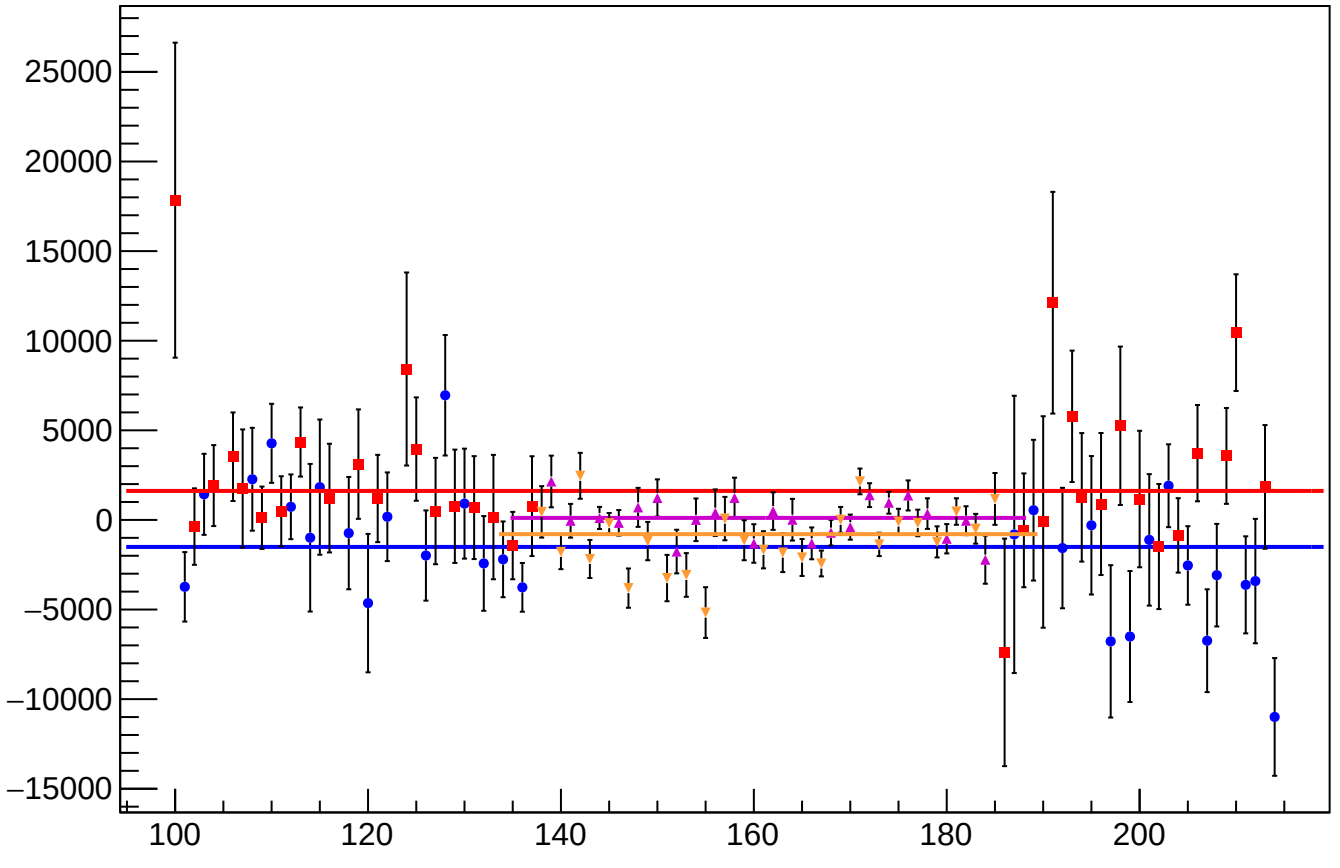
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 182.601+/-0.024 χ^2/NDF: 14296054.4/63

In: 121.903+/-0.016 χ^2/NDF:12006644.2/52

Out: 121.635+/-0.016 χ^2/NDF:14336376.9/58

All: 121.767+/-0.011 χ^2/NDF: 26343163.9/11



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

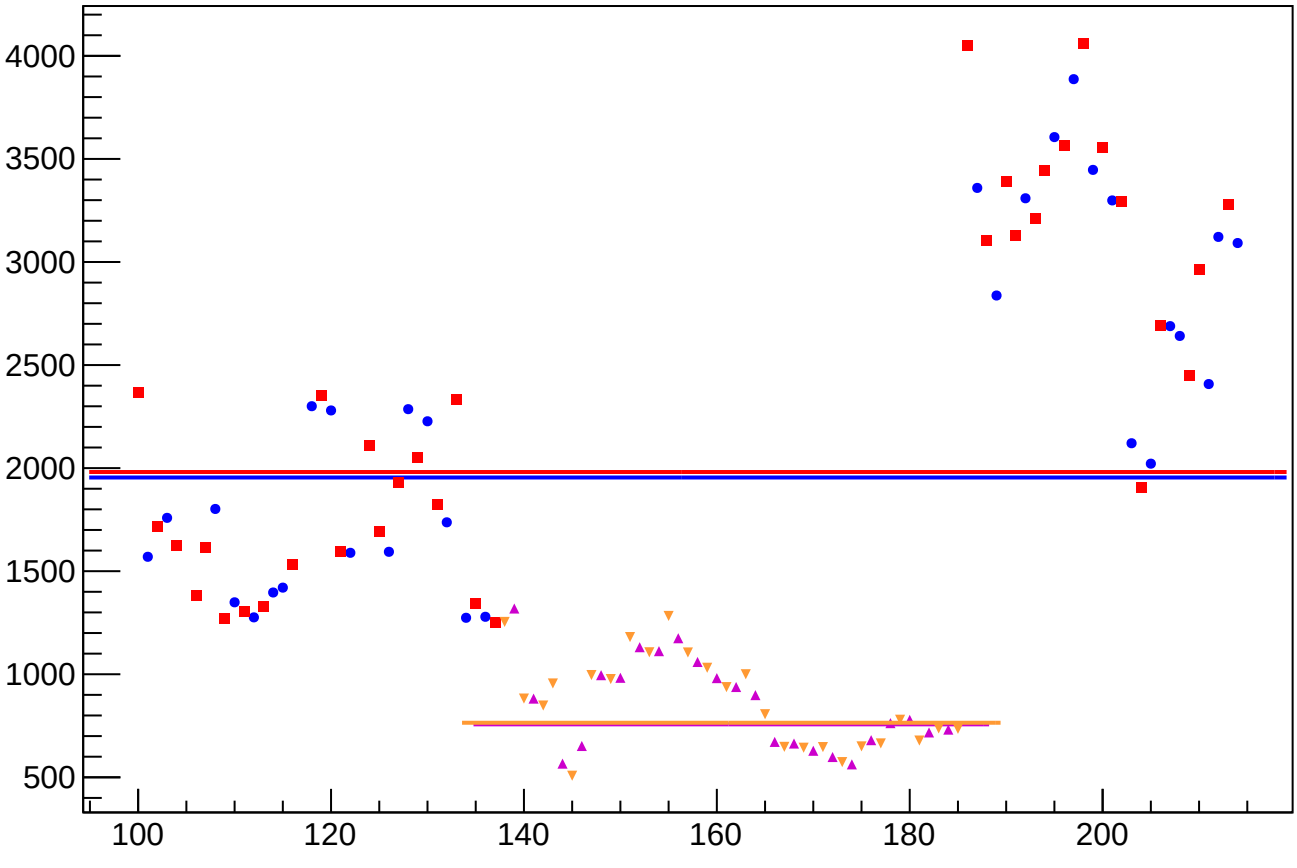
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 54.057+/-344.847 χ^2/NDF: 96.7/63

In: -86.778+/-171.425 χ^2/NDF:80.2/52

Out: -504.520+/-168.792 χ^2/NDF:123.5/58

All: -298.881+/-120.274 χ^2/NDF: 206.7/111



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

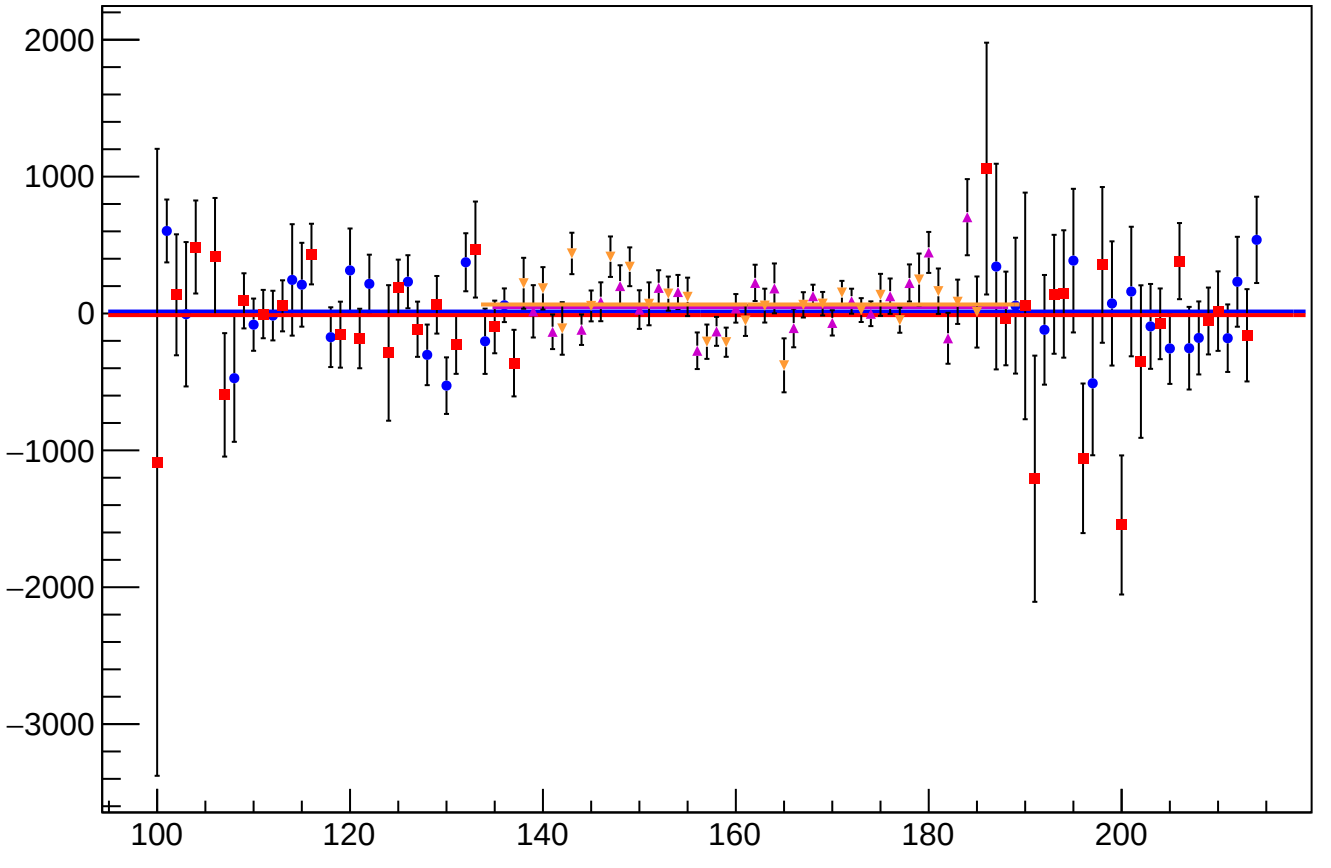
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1967.816+/-0.244 χ^2/NDF: 8966899.5/63

In: 905.079+/-0.121 χ^2/NDF:16832399.0/52

Out: 910.268+/-0.119 χ^2/NDF:18194270.2/58

All: 907.714+/-0.085 χ^2/NDF: 35027599.6/1



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

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

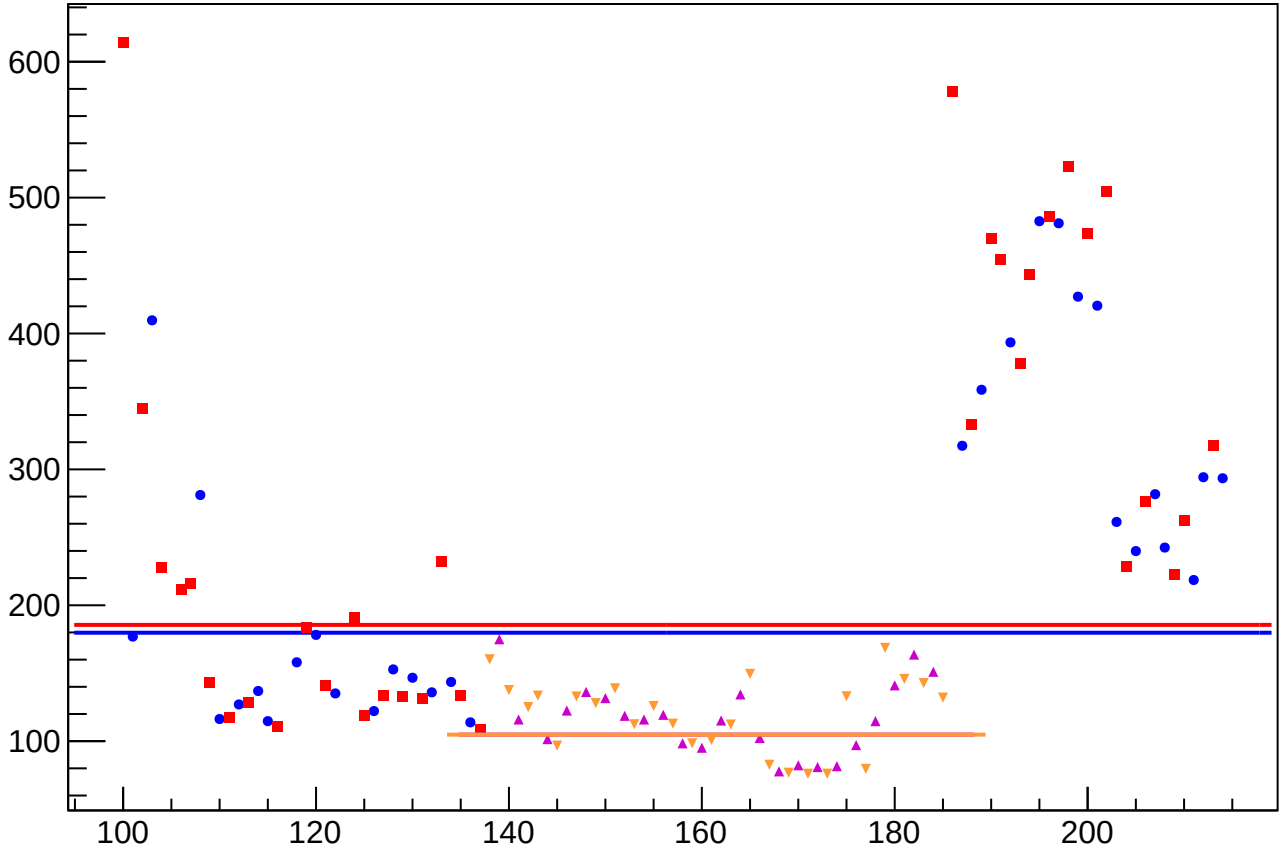
Right: 1.548+/-33.992 χ^2/NDF: 70.3/63

In: 39.559+/-22.583 χ^2/NDF:72.6/52

Out: 49.533+/-22.297 χ^2/NDF:78.7/58

All: 44.609+/-15.866 χ^2/NDF: 151.3/111

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



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

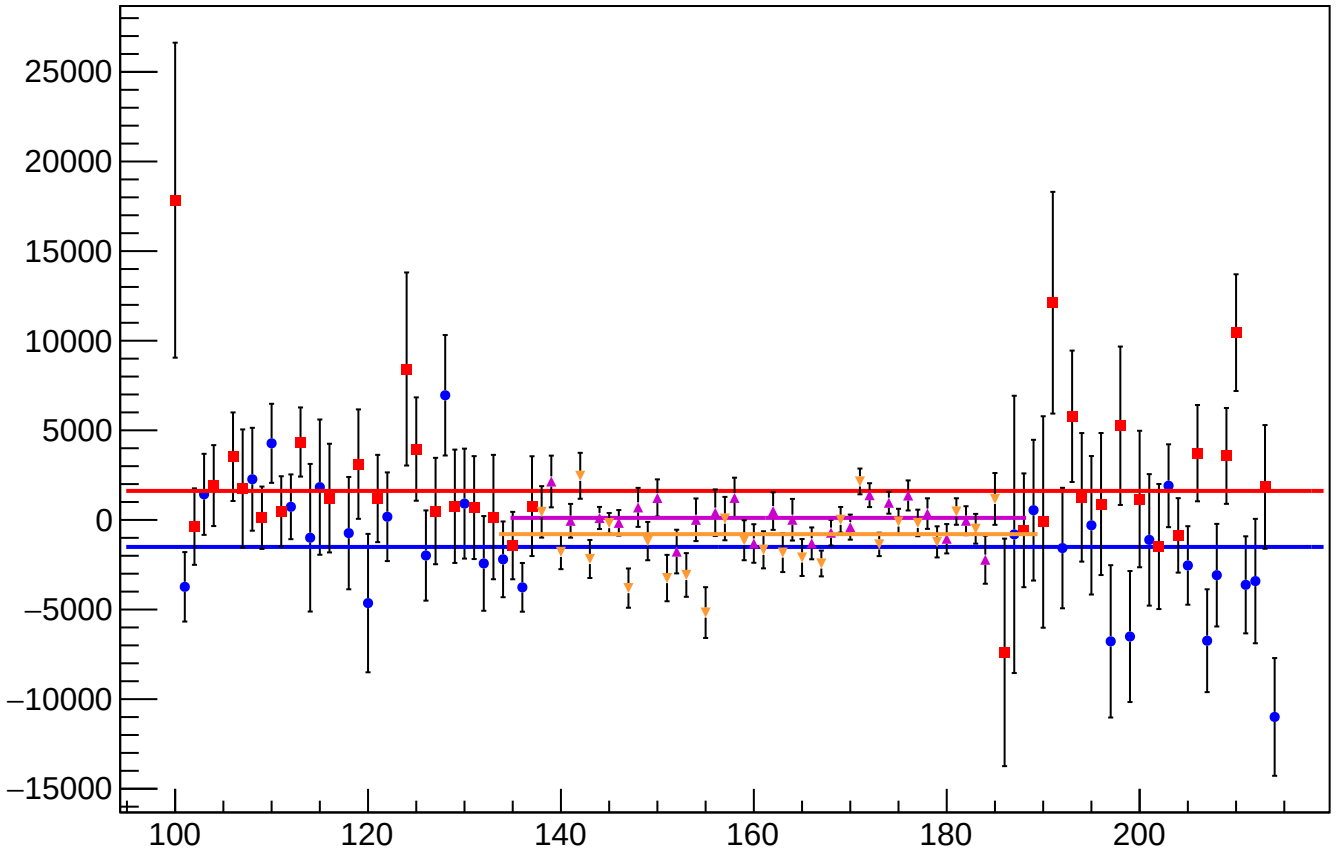
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 182.601+/-0.024 χ^2/NDF: 14296022.3/63

In: 121.904+/-0.016 χ^2/NDF:12006626.9/52

Out: 121.635+/-0.016 χ^2/NDF:14336376.7/58

All: 121.768+/-0.011 χ^2/NDF: 26343146.4/11



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

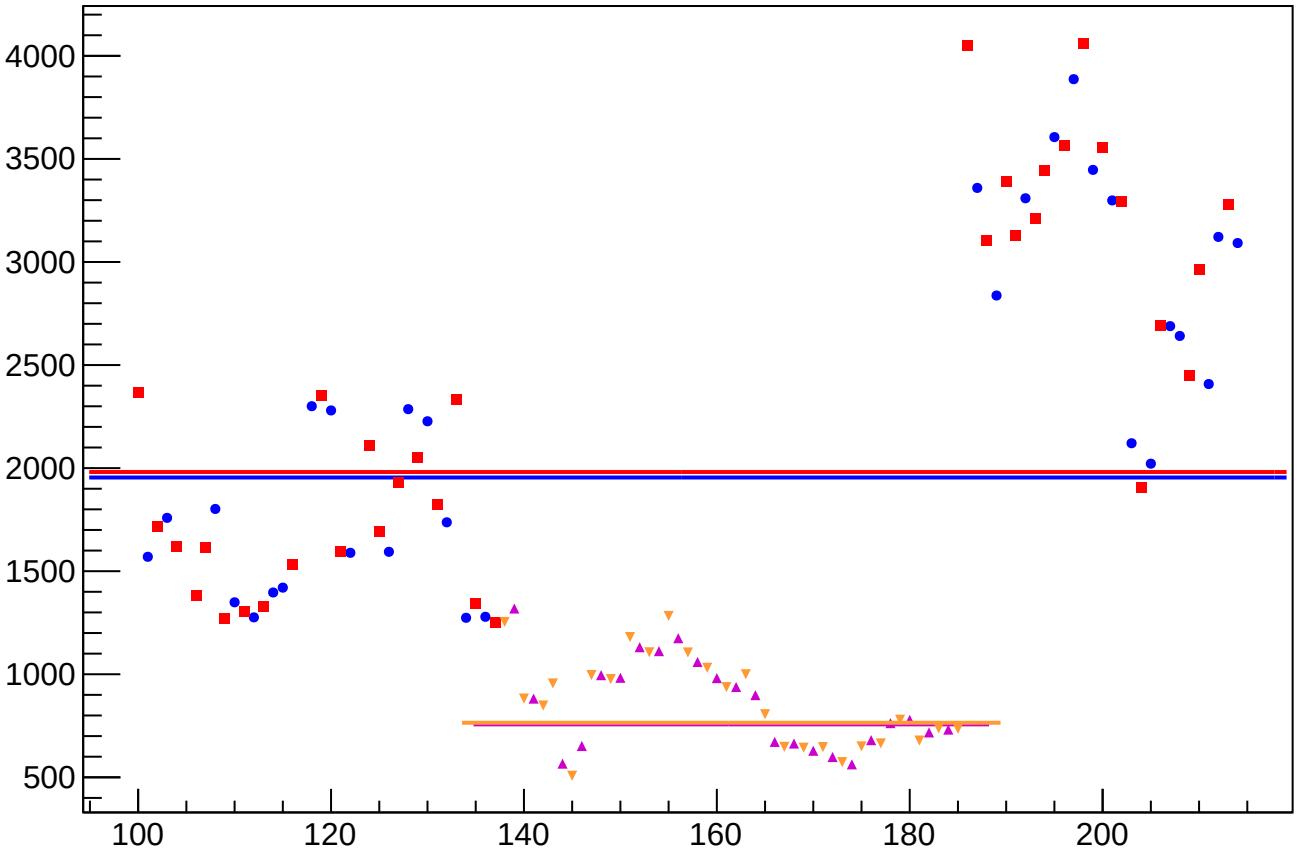
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 54.058+/-344.847 χ^2/NDF: 96.7/63

In: -86.778+/-171.425 χ^2/NDF:80.2/52

Out: -504.521+/-168.792 χ^2/NDF:123.5/58

All: -298.882+/-120.274 χ^2/NDF: 206.7/111



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

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

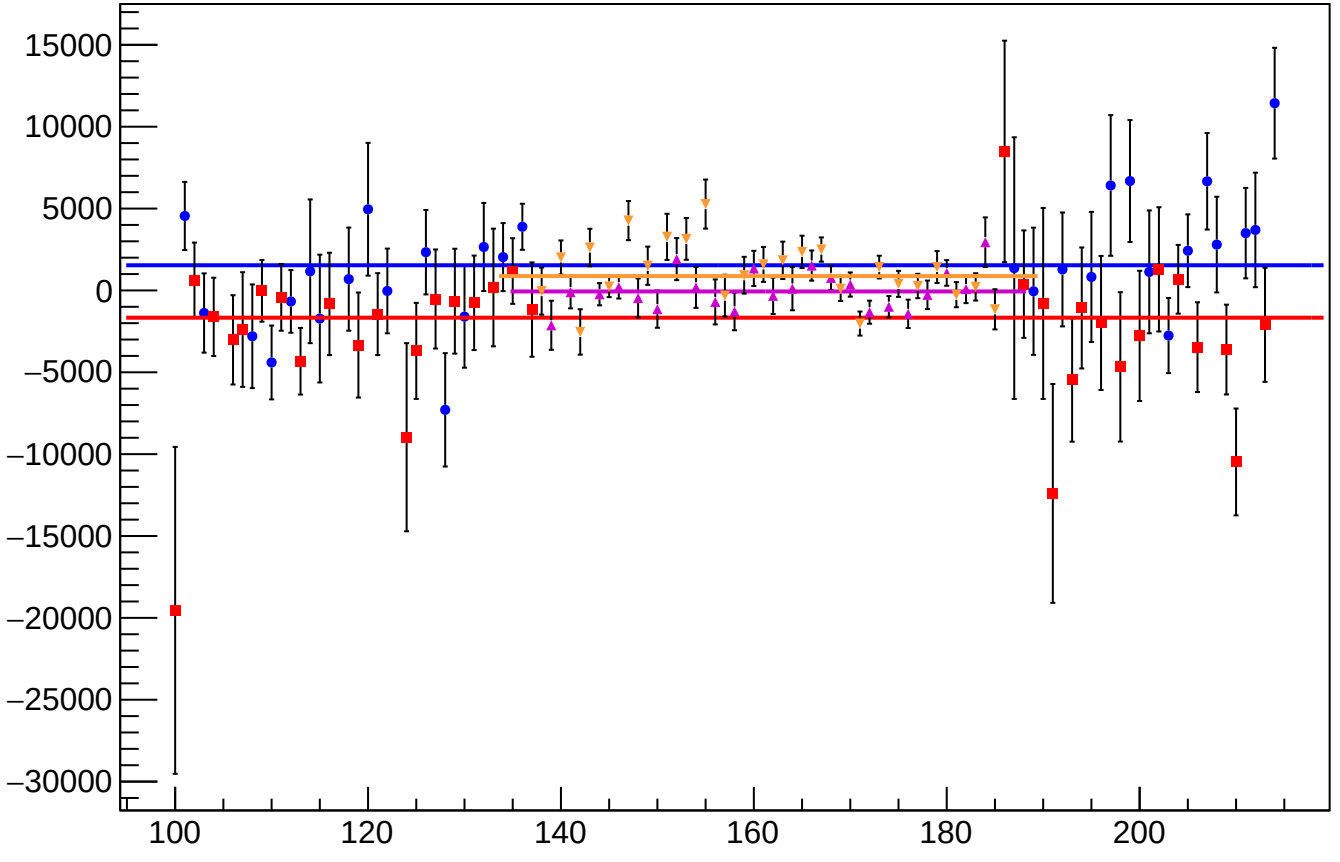
Right: 1967.814+/-0.244 χ^2/NDF: 8966902.2/63

In: 905.079+/-0.121 χ^2/NDF:16832395.3/52

Out: 910.268+/-0.119 χ^2/NDF:18194257.8/58

All: 907.713+/-0.085 χ^2/NDF: 35027583.6/1

asym_sam3_mean vs Slug, Sign Corrected



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

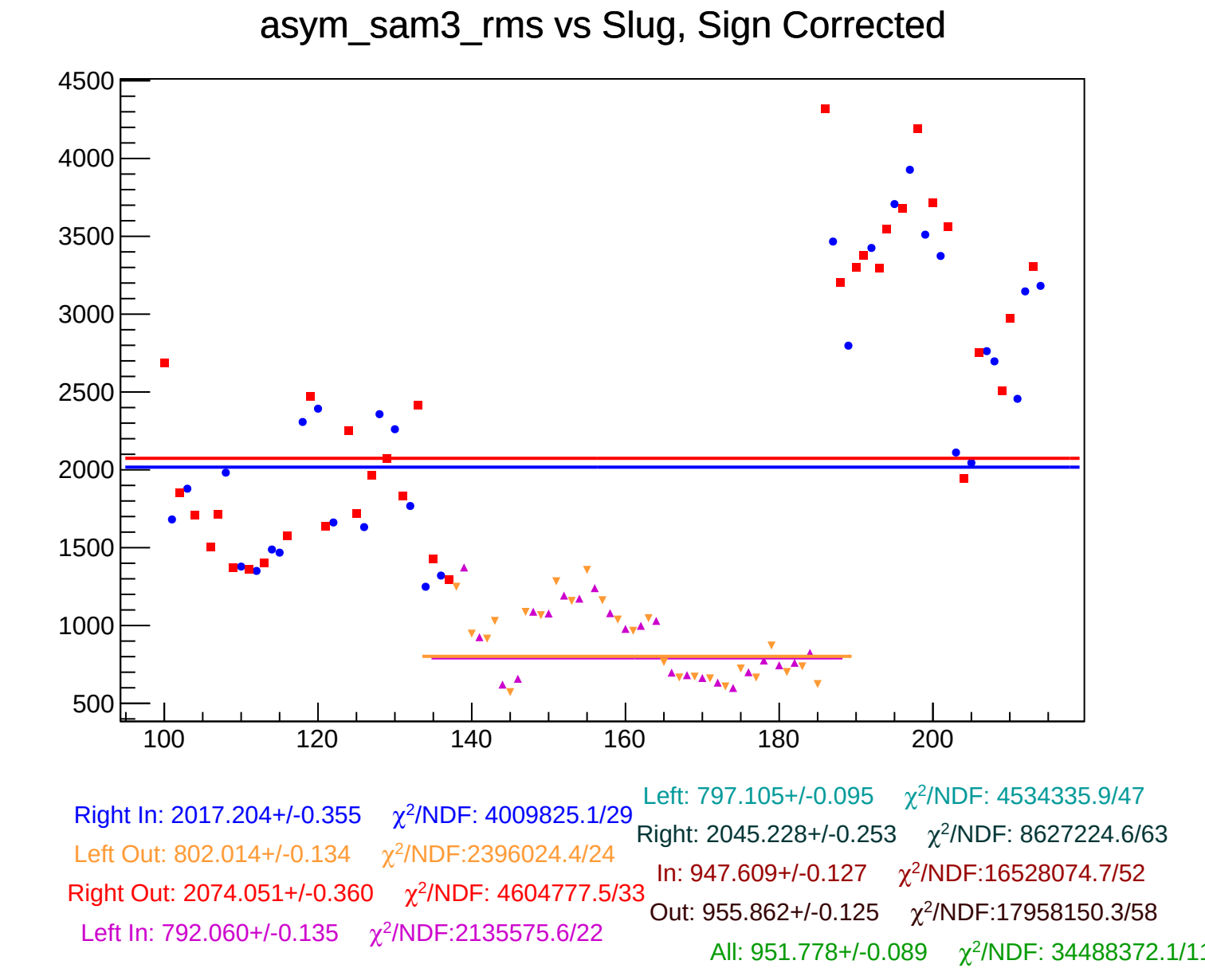
Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

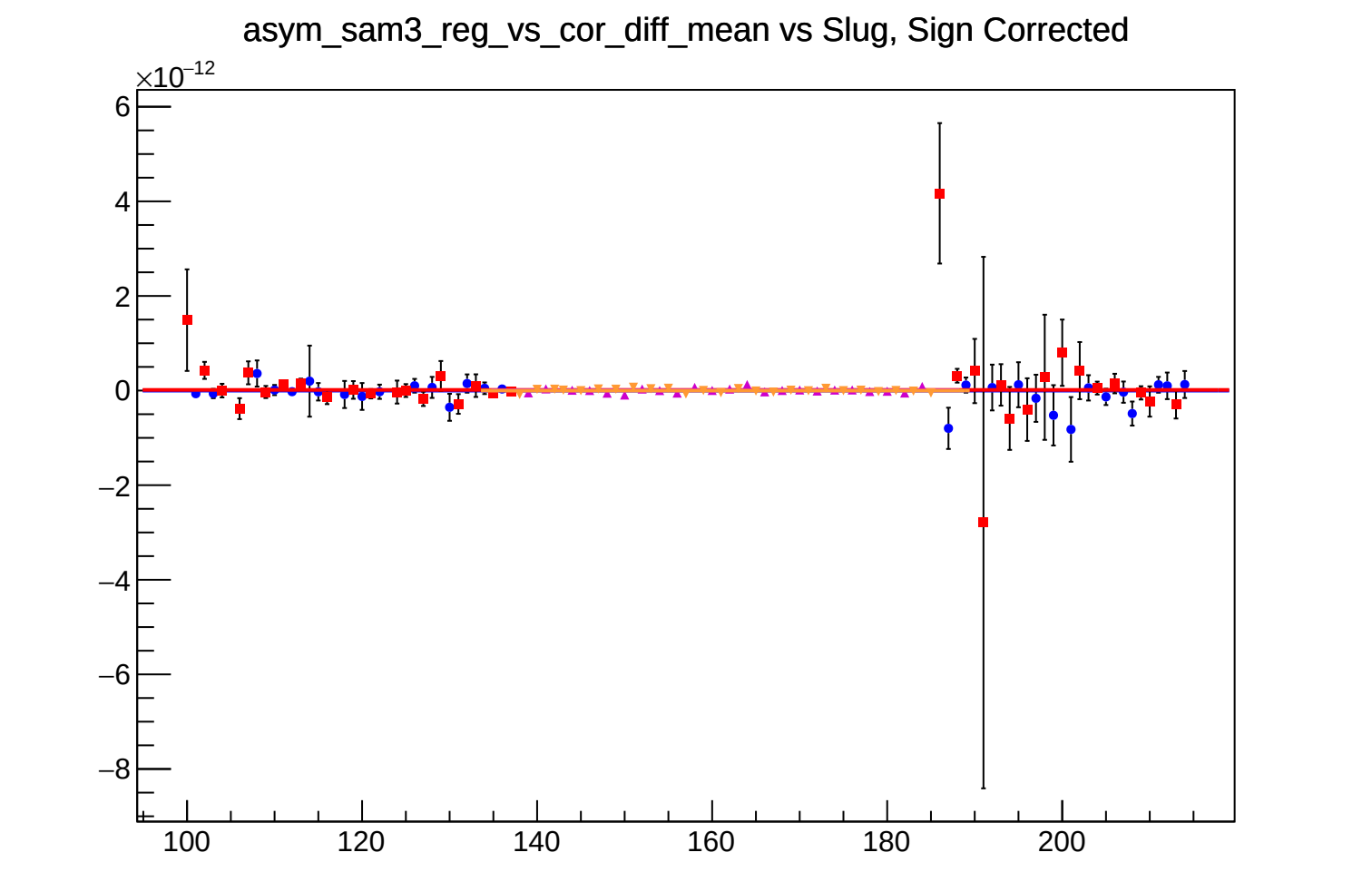
Right: -41.476+/-357.750 χ^2/NDF: 95.3/63

In: 140.407+/-179.021 χ^2/NDF:81.9/52

Out: 569.055+/-177.201 χ^2/NDF:118.5/58

All: 356.921+/-125.938 χ^2/NDF: 203.2/111


asym_sam3_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 2017.204+/-0.355 χ²/NDF: 4009825.1/29
Left Out: 802.014+/-0.134 χ²/NDF:2396024.4/24
Right Out: 2074.051+/-0.360 χ²/NDF: 4604777.5/33
Left In: 792.060+/-0.135 χ²/NDF:2135575.6/22
Left: 797.105+/-0.095 χ²/NDF: 4534335.9/47
Right: 2045.228+/-0.253 χ²/NDF: 8627224.6/63
In: 947.609+/-0.127 χ²/NDF:16528074.7/52
Out: 955.862+/-0.125 χ²/NDF:17958150.3/58
All: 951.778+/-0.089 χ²/NDF: 34488372.1/11



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

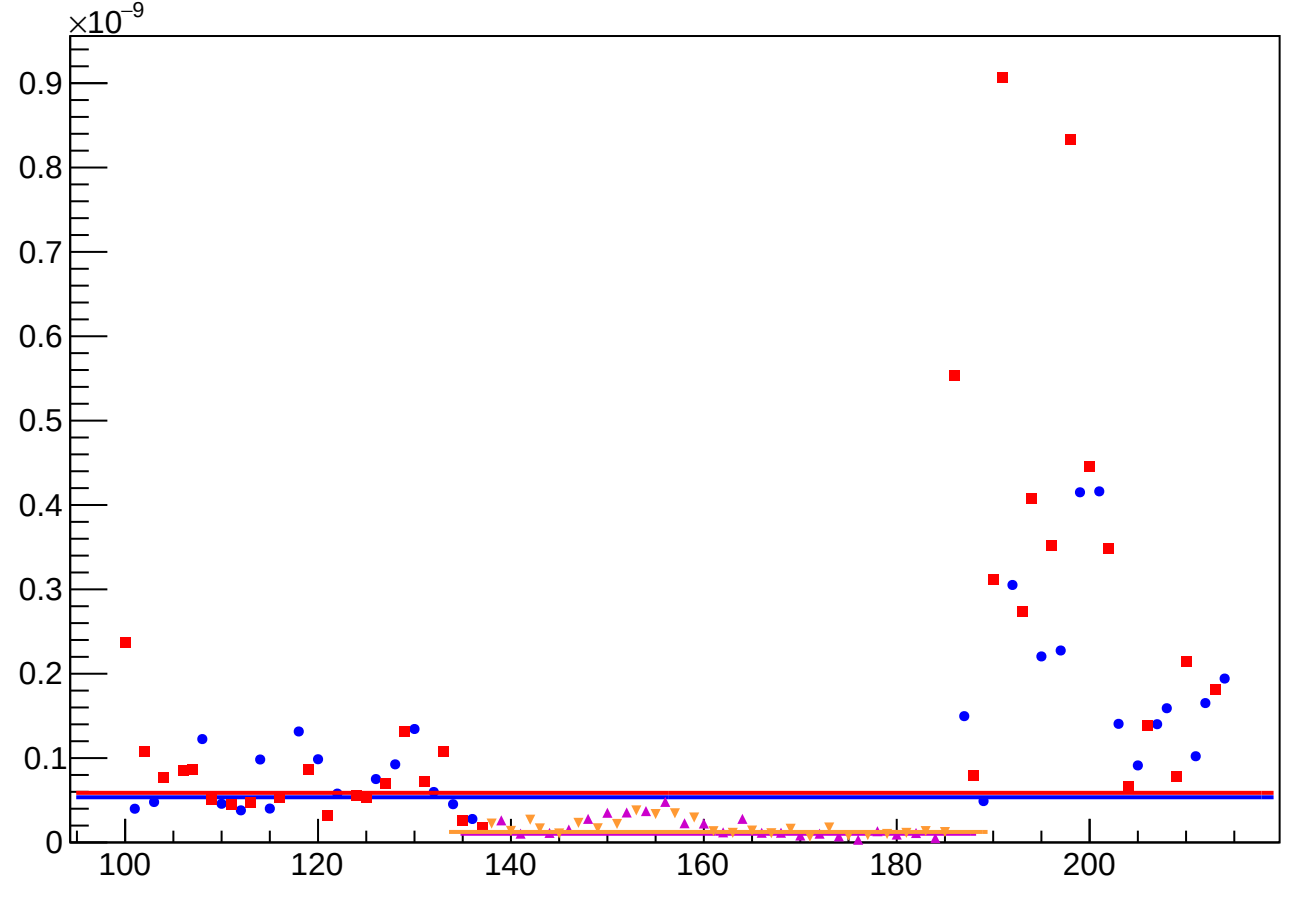
Left: 0.000+/-0.000 χ^2/NDF: 56.6/47

Right: 0.000+/-0.000 χ^2/NDF: 60.1/63

In: 0.000+/-0.000 χ^2/NDF:49.9/52

Out: -0.000+/-0.000 χ^2/NDF:65.9/58

All: 0.000+/-0.000 χ^2/NDF: 116.7/111



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

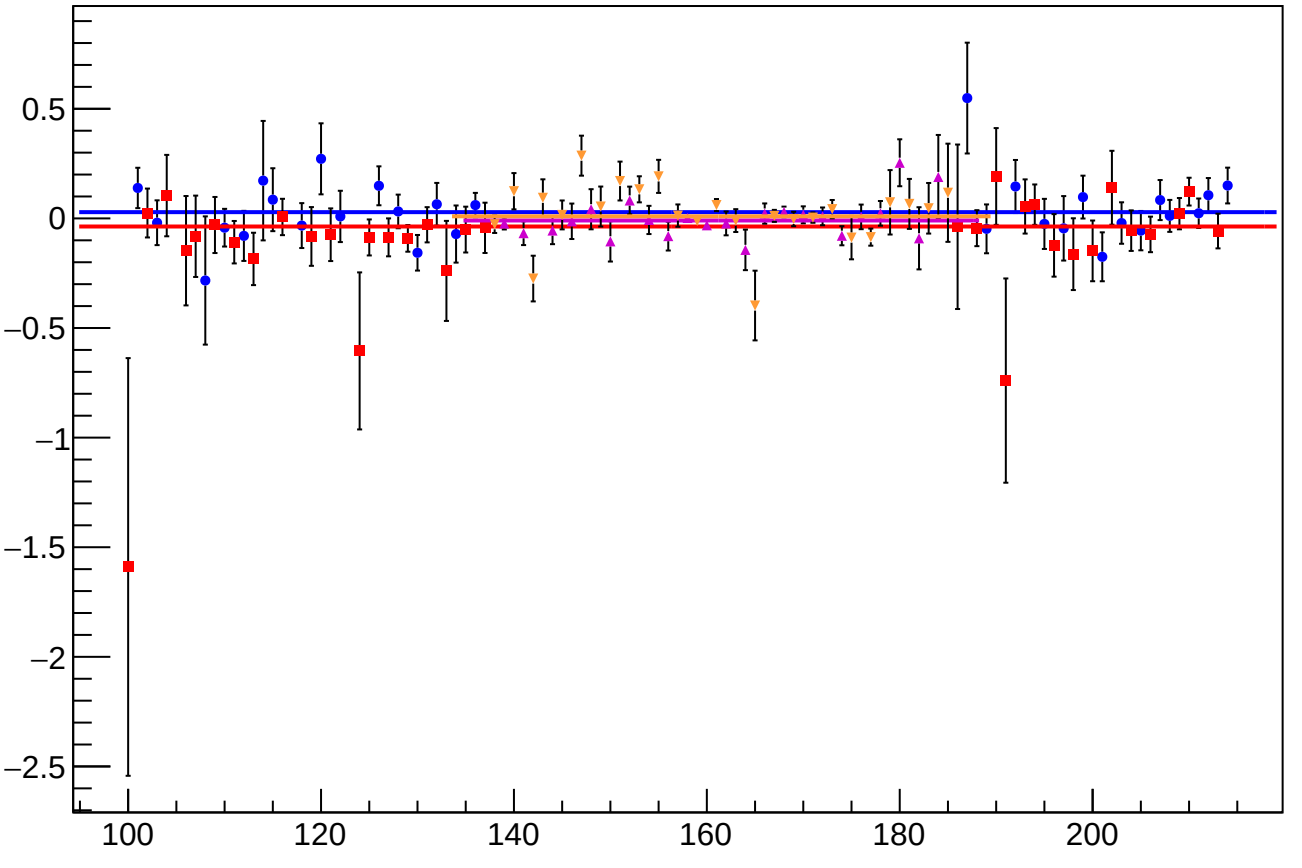
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12416071.1/63

In: 0.000+/-0.000 χ^2/NDF:15020698.5/52

Out: 0.000+/-0.000 χ^2/NDF:14226161.5/58

All: 0.000+/-0.000 χ^2/NDF: 29444615.6/111



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

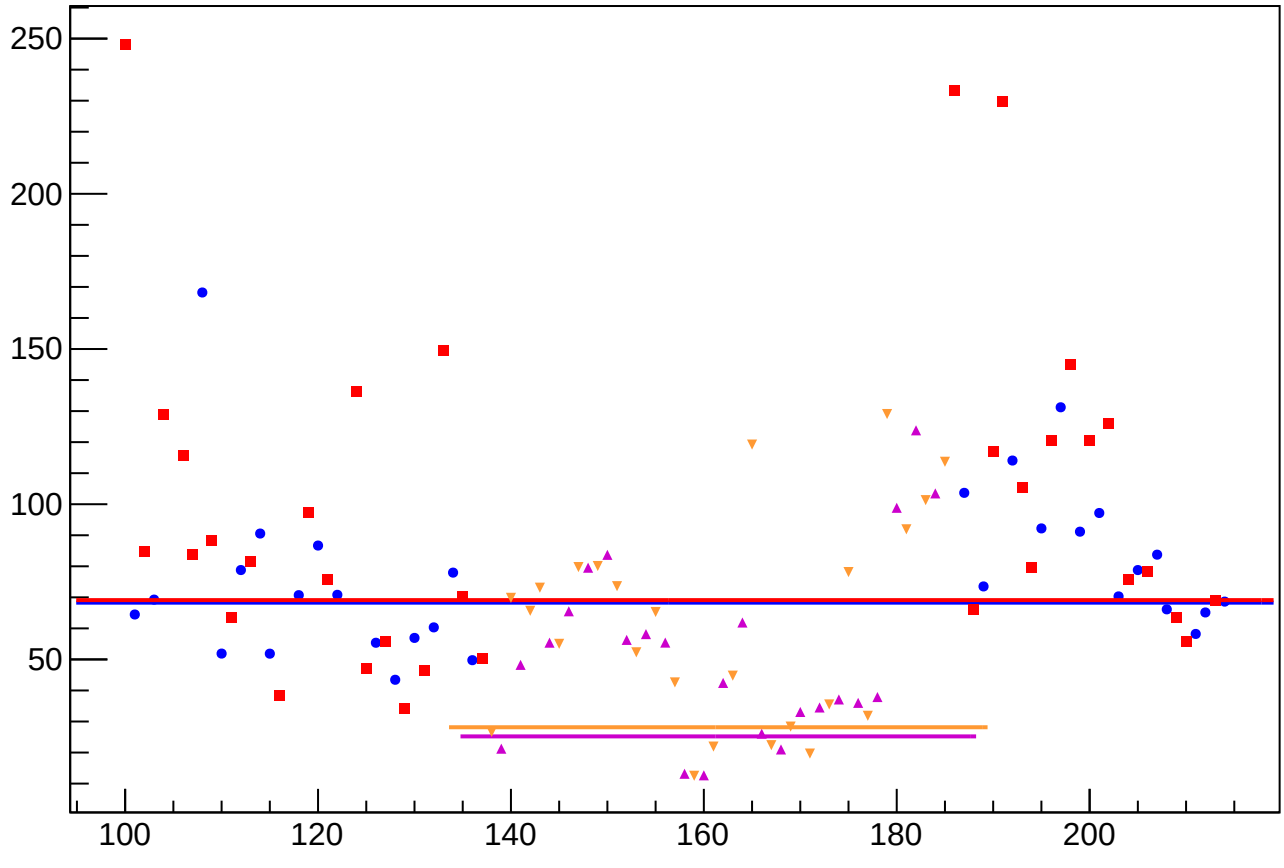
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.003+/-0.013 χ^2/NDF: 63.1/63

In: -0.003+/-0.007 χ^2/NDF:59.3/52

Out: 0.001+/-0.008 χ^2/NDF:86.2/58

All: -0.001+/-0.005 χ^2/NDF: 145.7/111



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

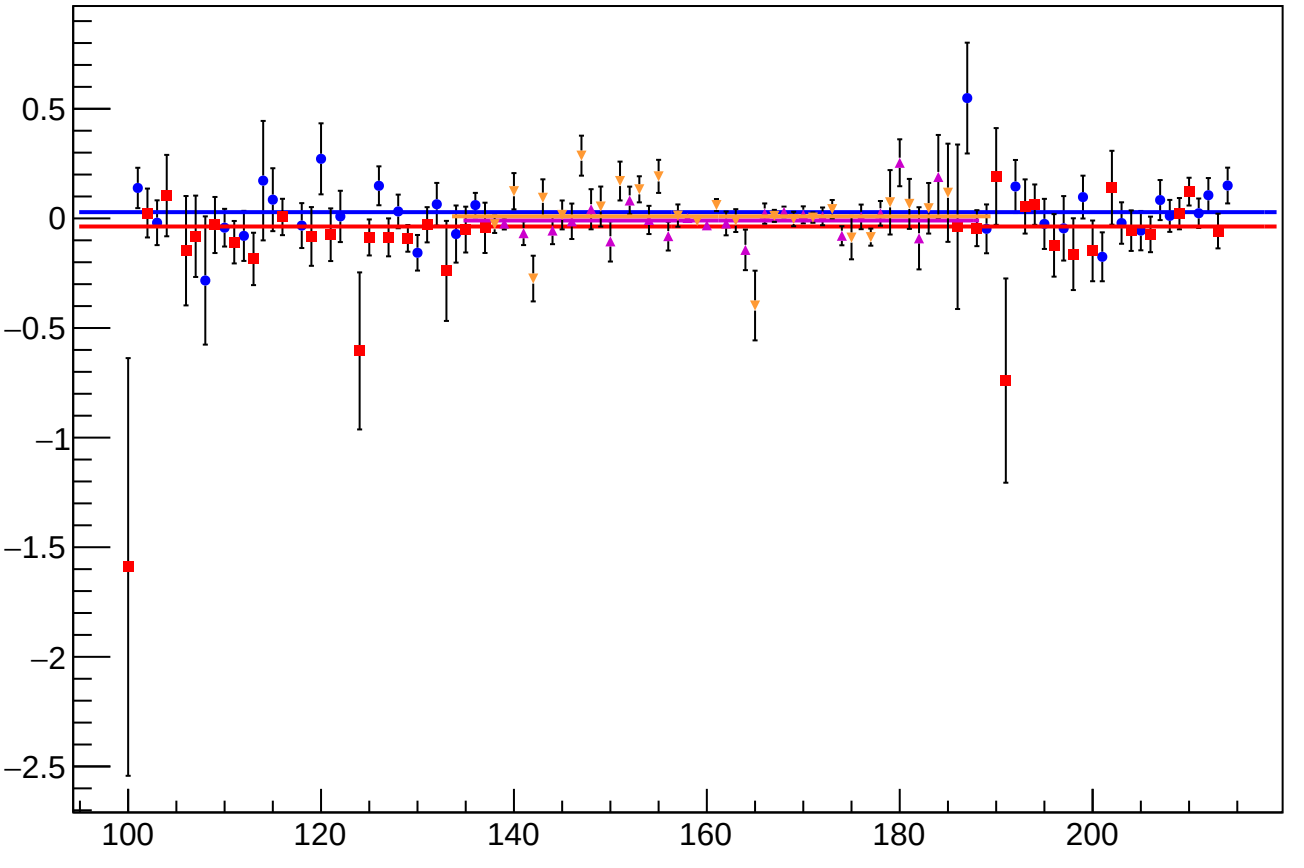
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.685+/-0.009 χ^2/NDF: 6565262.2/63

In: 32.401+/-0.005 χ^2/NDF:21933686.5/52

Out: 35.342+/-0.005 χ^2/NDF:23772746.9/58

All: 33.783+/-0.004 χ^2/NDF: 45861855.9/11



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

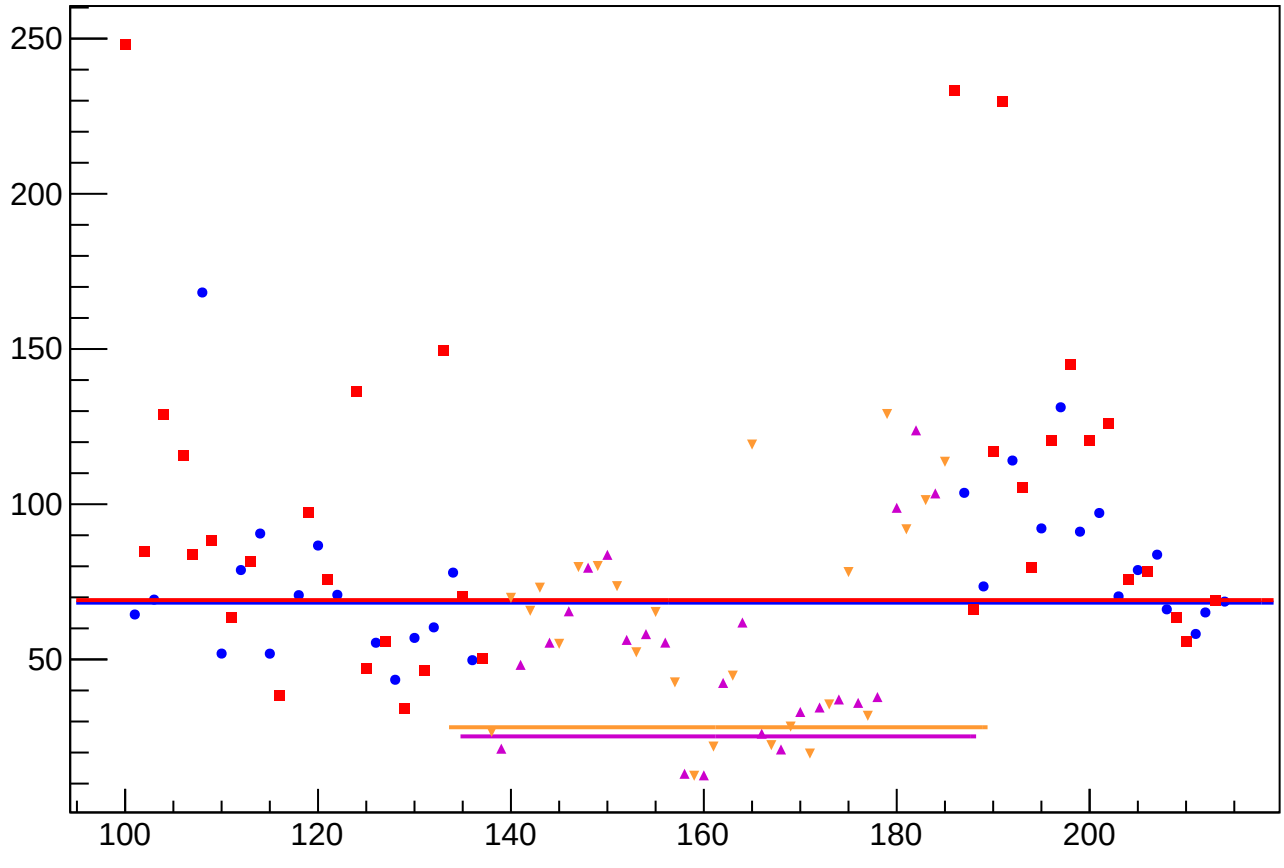
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.003+/-0.013 χ^2/NDF: 63.1/63

In: -0.003+/-0.007 χ^2/NDF:59.3/52

Out: 0.001+/-0.008 χ^2/NDF:86.2/58

All: -0.001+/-0.005 χ^2/NDF: 145.7/111



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

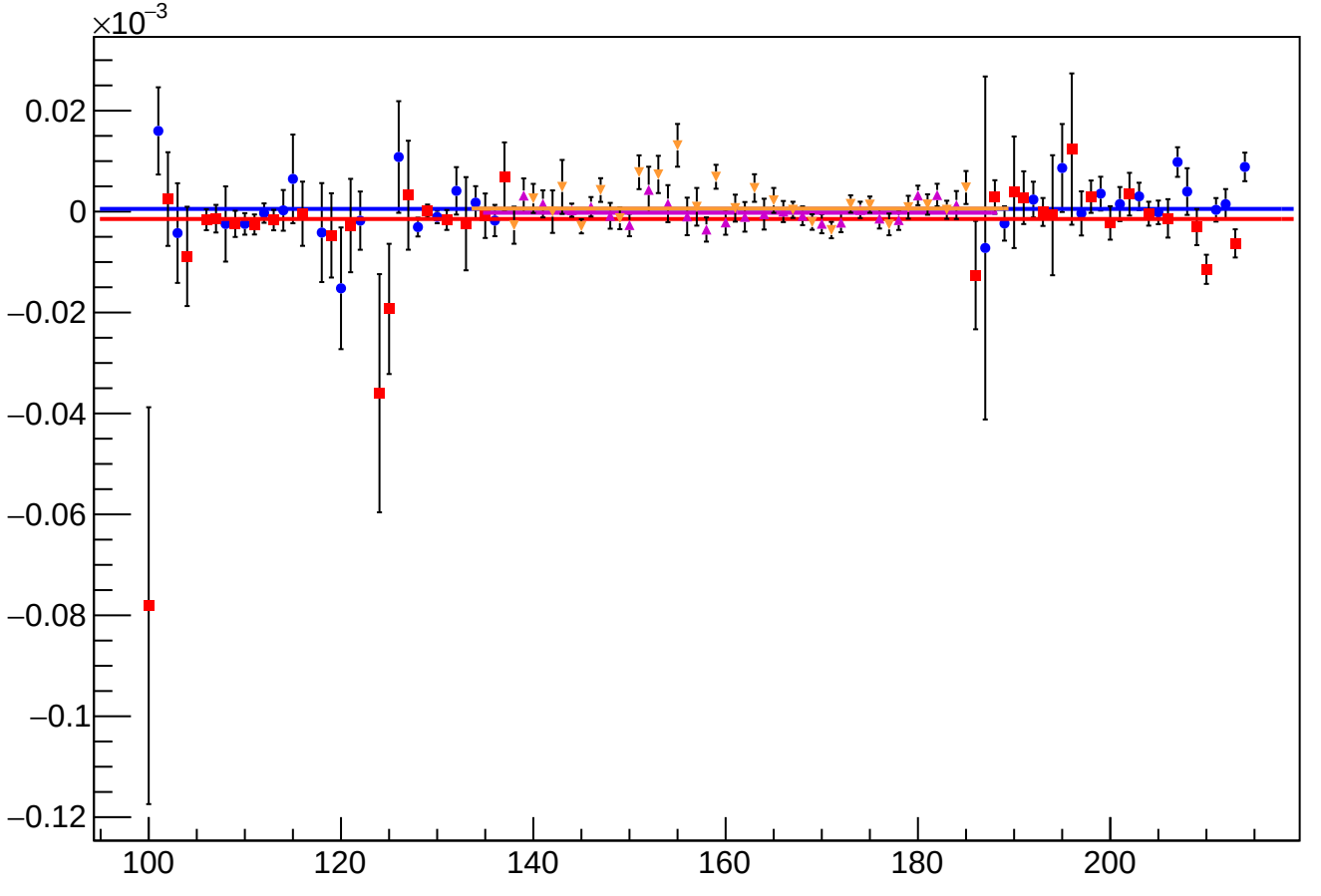
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.685+/-0.009 χ^2/NDF: 6565262.2/63

In: 32.401+/-0.005 χ^2/NDF:21933686.5/52

Out: 35.342+/-0.005 χ^2/NDF:23772746.9/58

All: 33.783+/-0.004 χ^2/NDF: 45861855.9/11



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

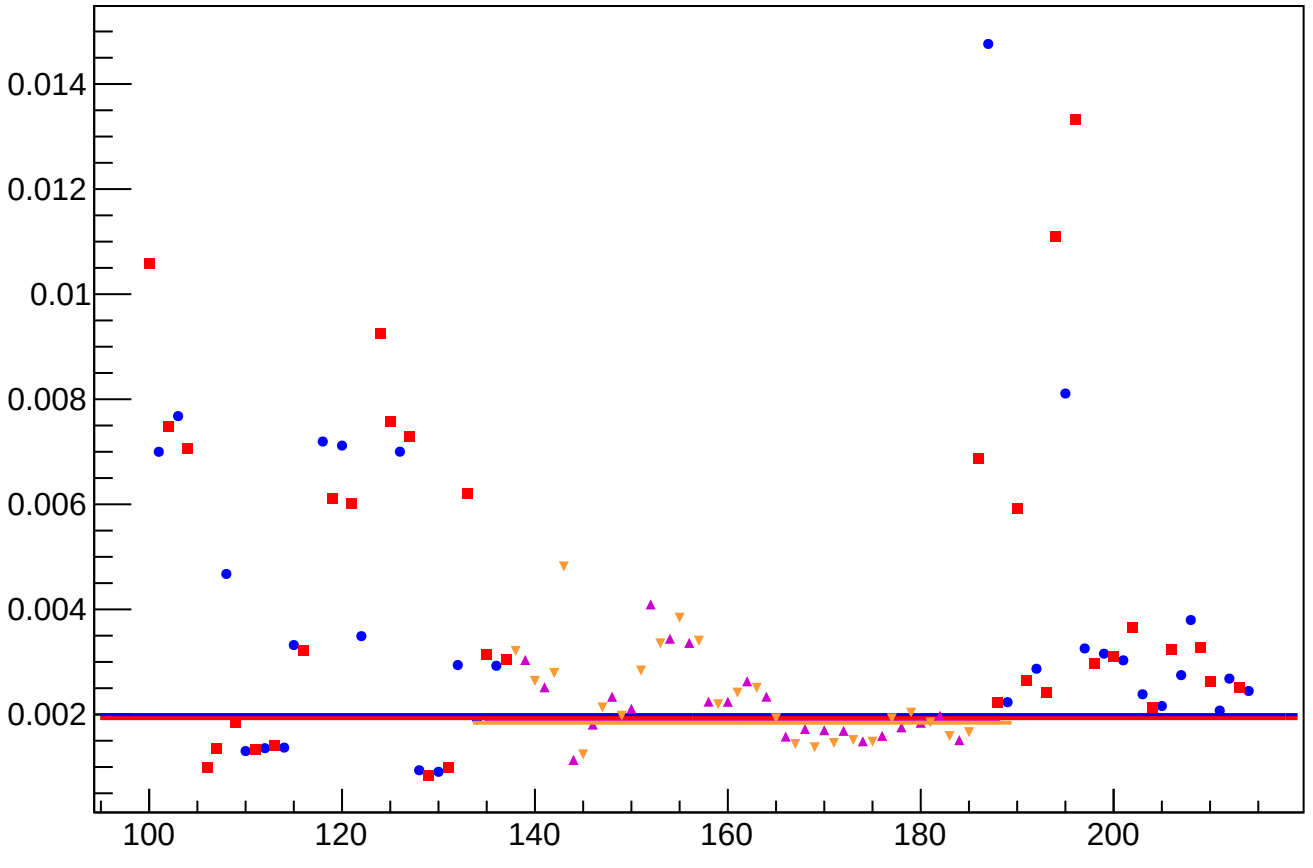
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 81.1/63

In: 0.000+/-0.000 χ^2/NDF:56.5/52

Out: -0.000+/-0.000 χ^2/NDF:96.6/58

All: -0.000+/-0.000 χ^2/NDF: 153.4/111



Right In: 0.002+/-0.000 χ^2/NDF: 8640509.5/29

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11445416.6/33

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

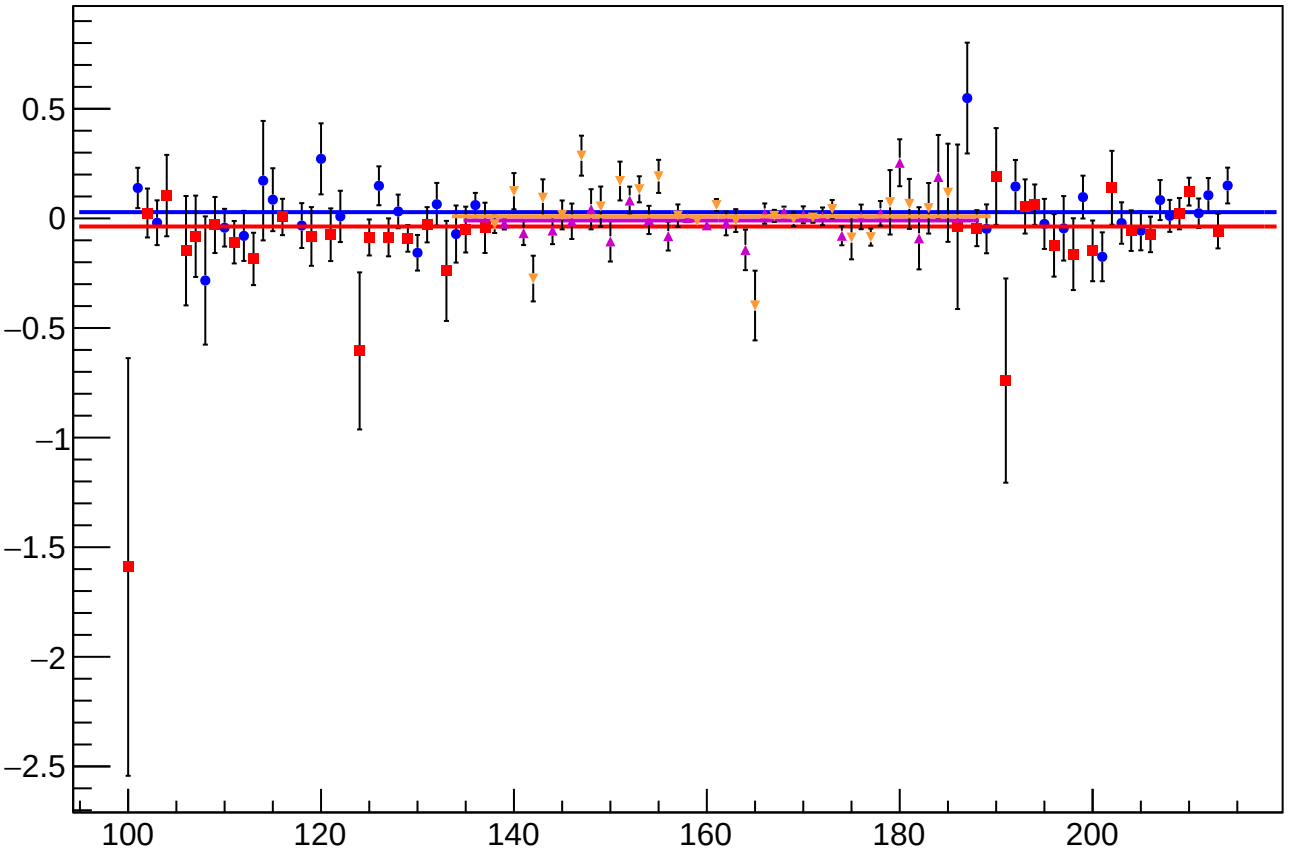
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 20096799.9/63

In: 0.002+/-0.000 χ^2/NDF:11492824.6/52

Out: 0.002+/-0.000 χ^2/NDF:15257924.0/58

All: 0.002+/-0.000 χ^2/NDF: 26762237.9/111



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

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

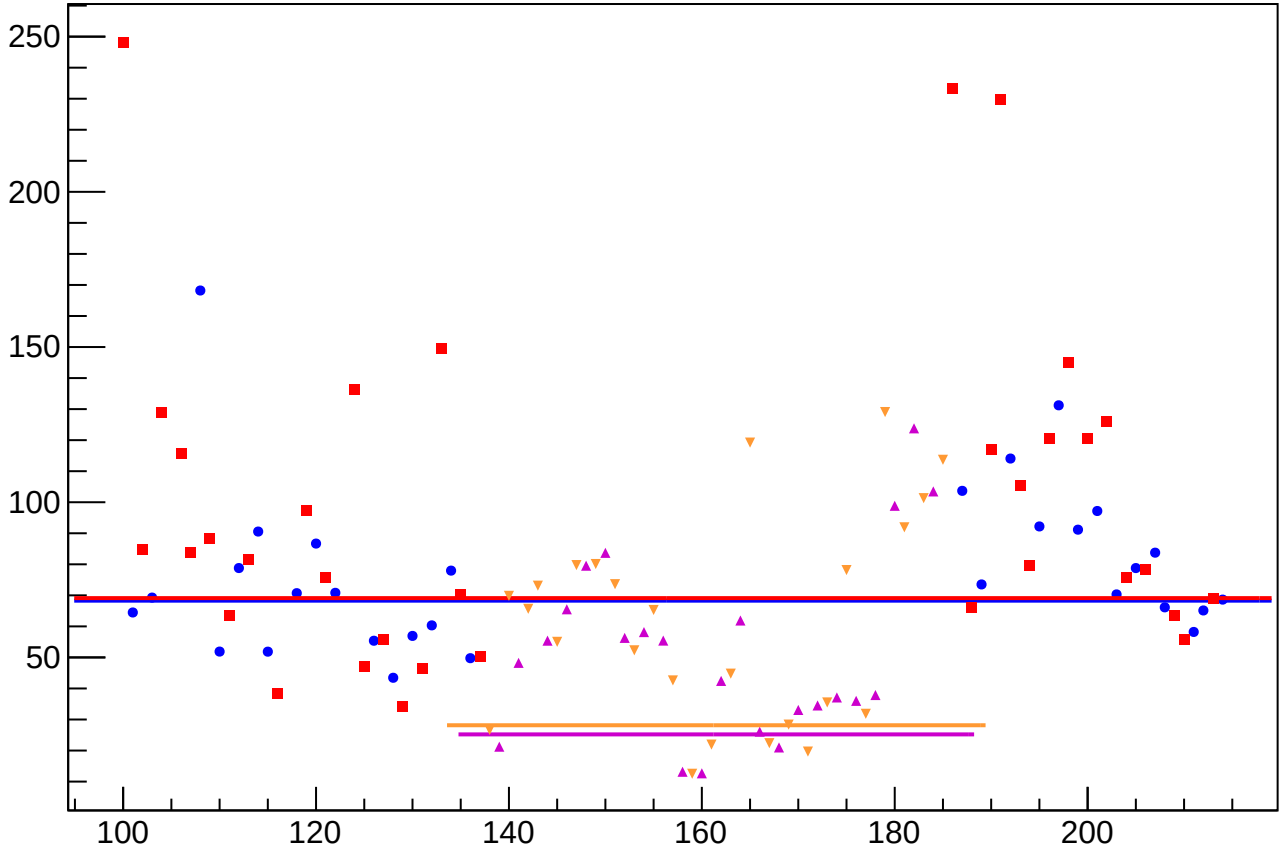
Right: -0.003+/-0.013 χ^2/NDF: 63.1/63

In: -0.003+/-0.007 χ^2/NDF:59.3/52

Out: 0.001+/-0.008 χ^2/NDF:86.2/58

All: -0.001+/-0.005 χ^2/NDF: 145.7/111

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

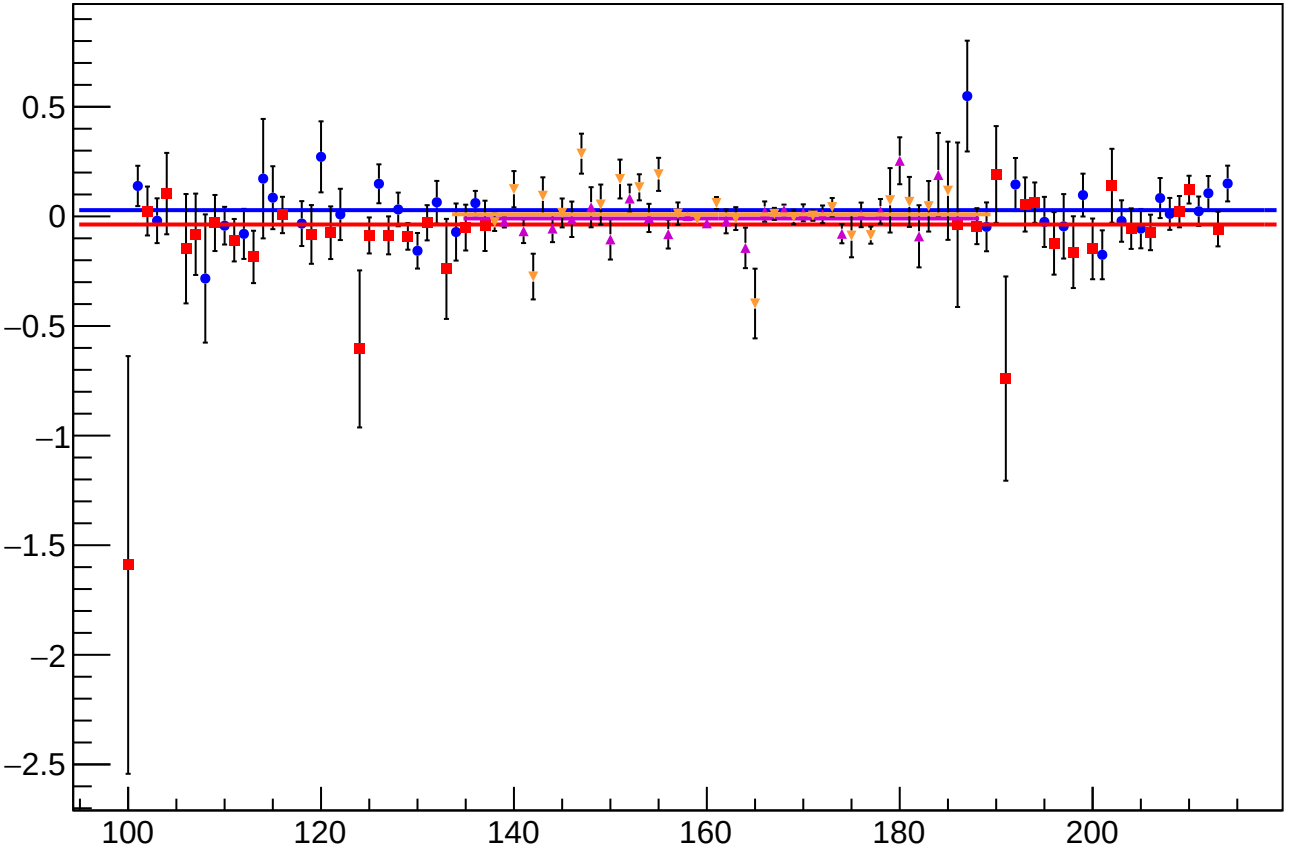
Right: 68.686+/-0.009 χ^2/NDF: 6565304.2/63

In: 32.401+/-0.005 χ^2/NDF:21934449.9/52

Out: 35.340+/-0.005 χ^2/NDF:23774596.6/58

All: 33.782+/-0.004 χ^2/NDF: 45864387.2/11

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

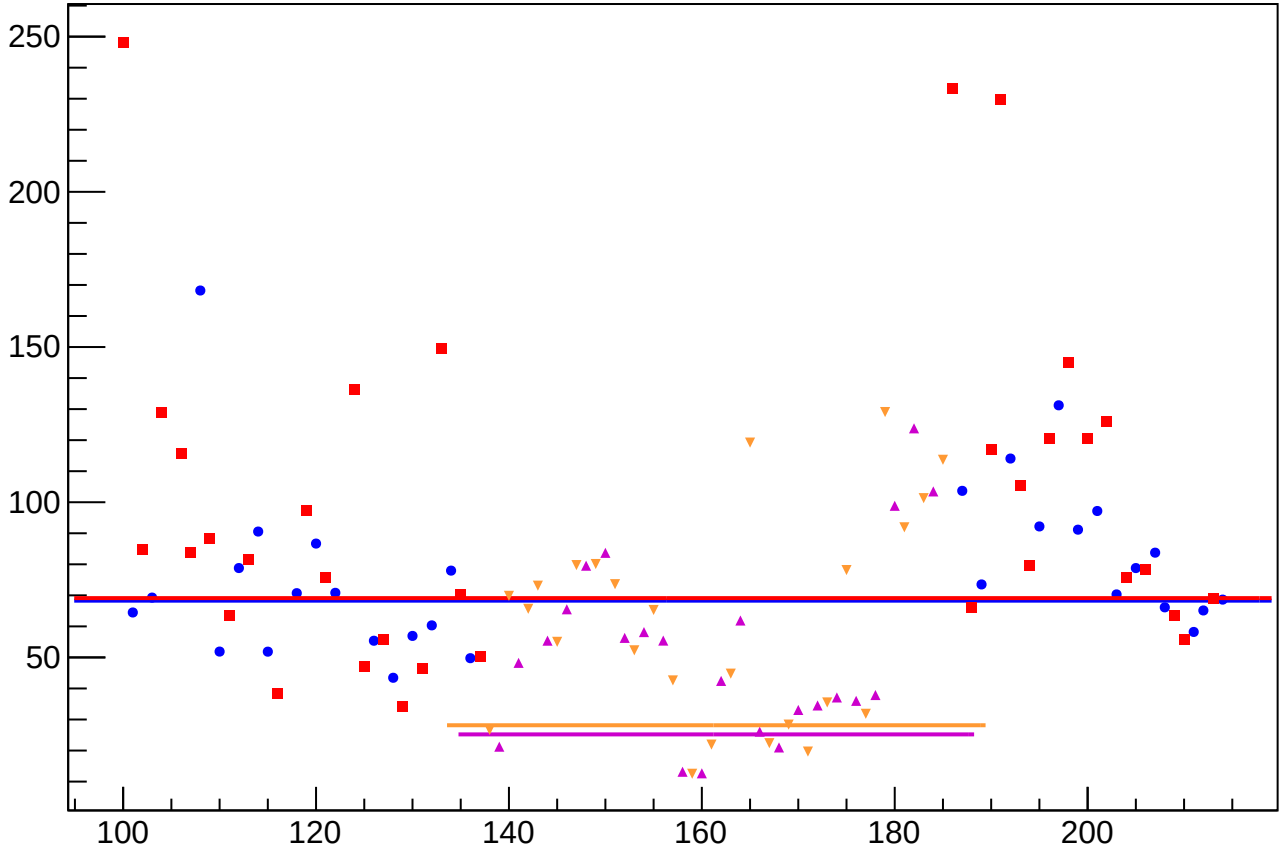
Right: -0.003+/-0.013 χ^2/NDF: 63.1/63

In: -0.003+/-0.007 χ^2/NDF:59.3/52

Out: 0.001+/-0.008 χ^2/NDF:86.2/58

All: -0.001+/-0.005 χ^2/NDF: 145.7/111

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

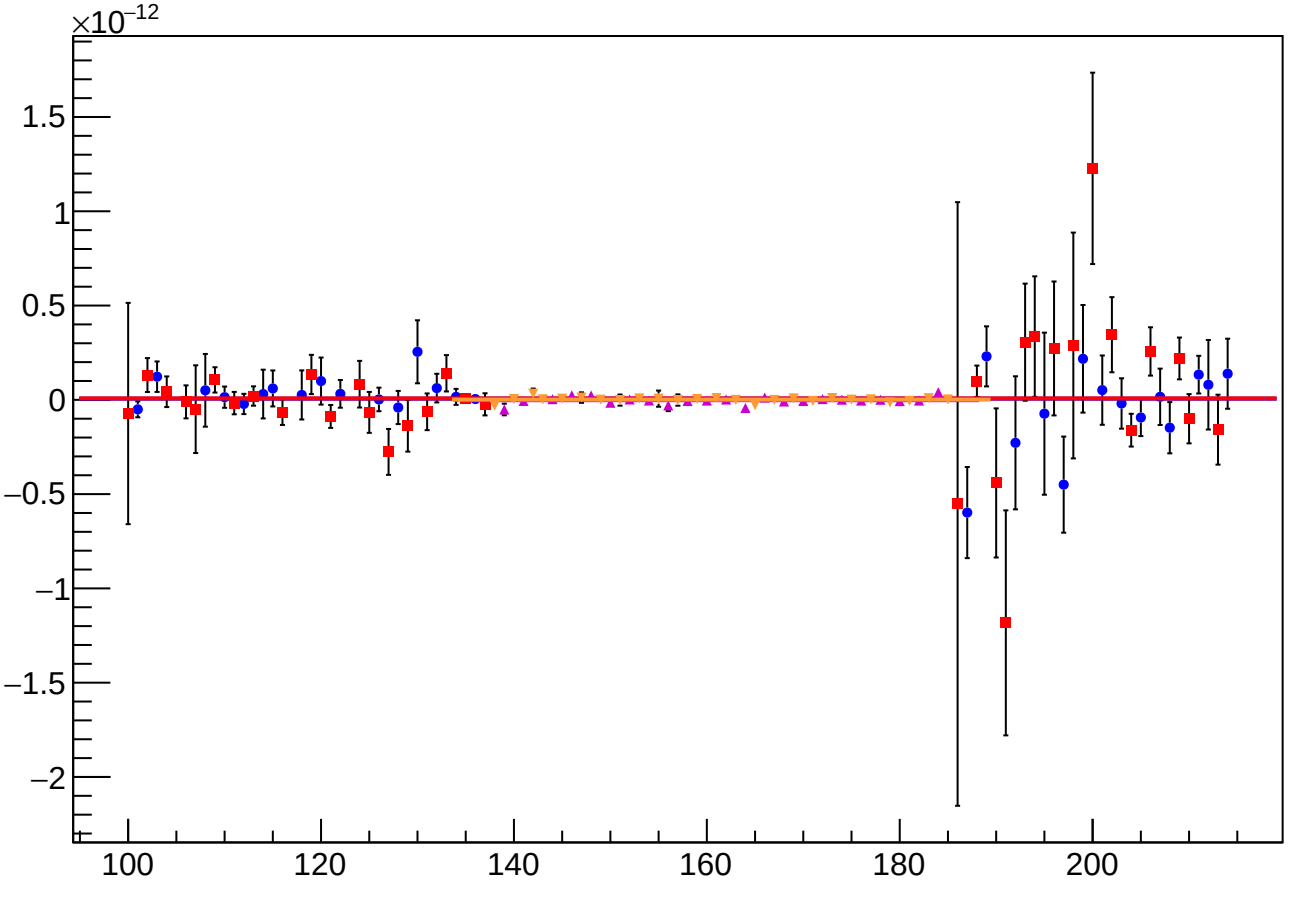
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.686+/-0.009 χ^2/NDF: 6565304.2/63

In: 32.401+/-0.005 χ^2/NDF:21934449.9/52

Out: 35.340+/-0.005 χ^2/NDF:23774596.6/58

All: 33.782+/-0.004 χ^2/NDF: 45864387.2/11



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

Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

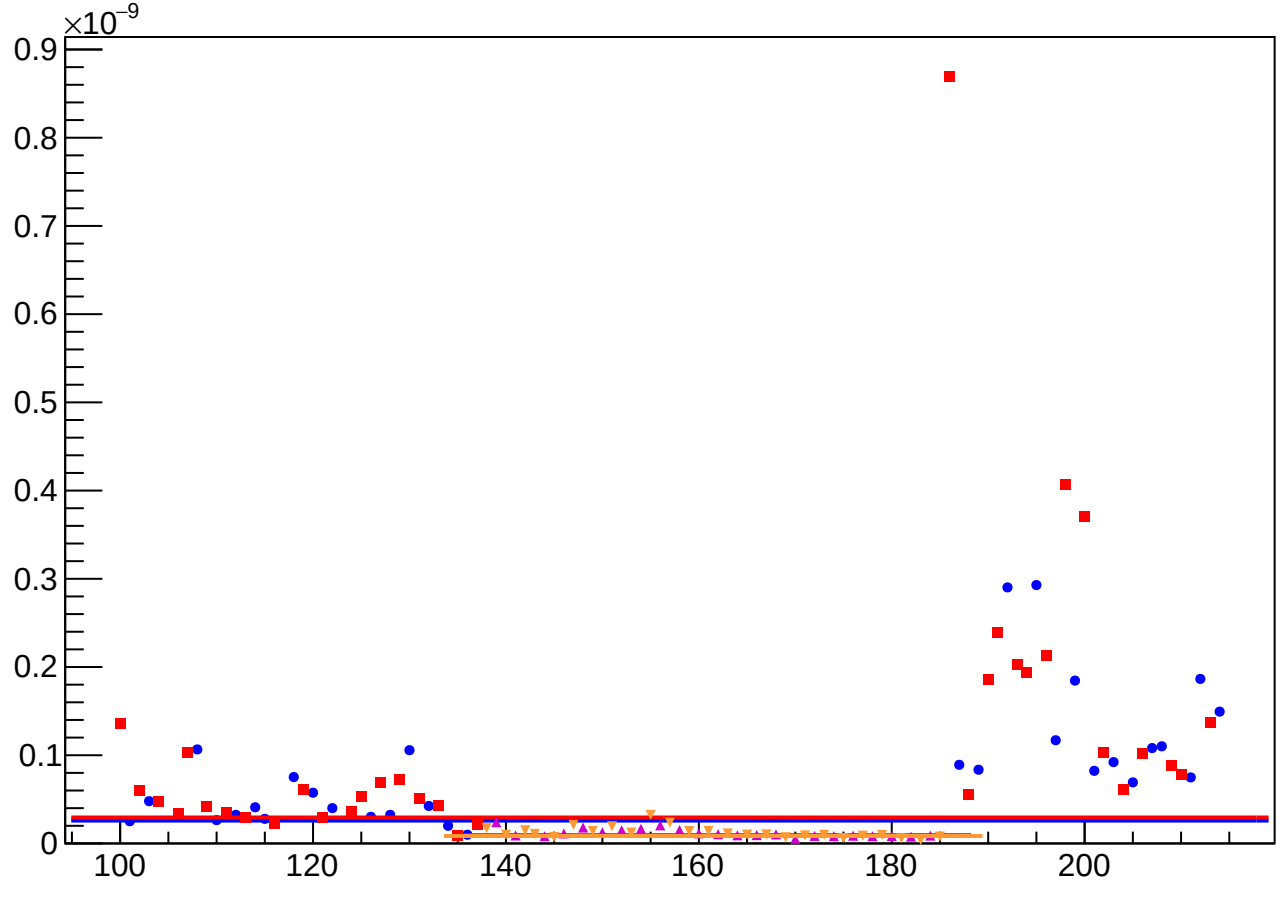
Right: 0.000+/-0.000 χ^2/NDF: 76.0/63

In: -0.000+/-0.000 χ^2/NDF:46.8/52

Out: 0.000+/-0.000 χ^2/NDF:62.0/58

All: 0.000+/-0.000 χ^2/NDF: 109.3/111

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

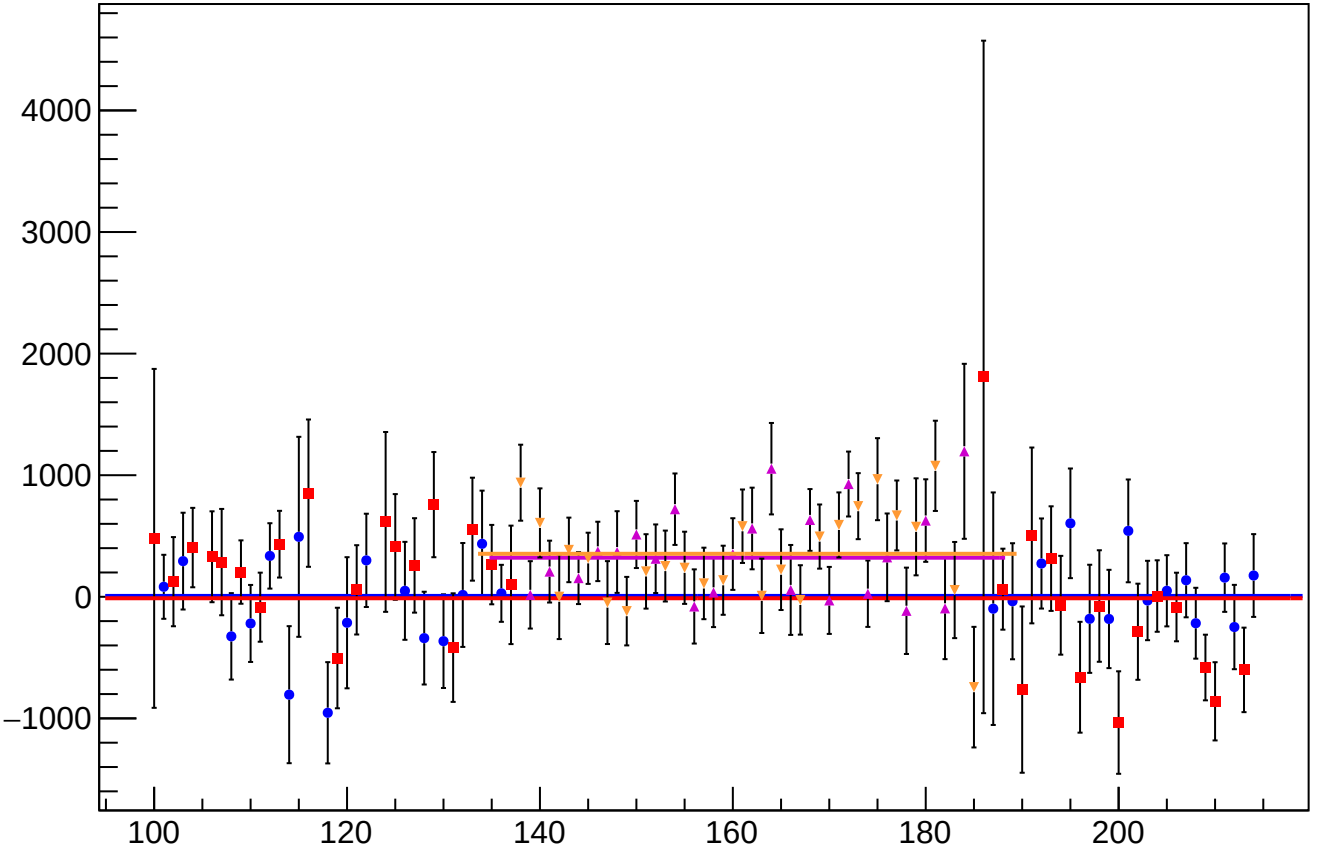
Right: 0.000+/-0.000 χ^2/NDF: 22912402.5/63

In: 0.000+/-0.000 χ^2/NDF:17378479.3/52

Out: 0.000+/-0.000 χ^2/NDF:20798479.5/58

All: 0.000+/-0.000 χ^2/NDF: 38308966.0/111

reg_asym_sam4_mean vs Slug, Sign Corrected



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

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

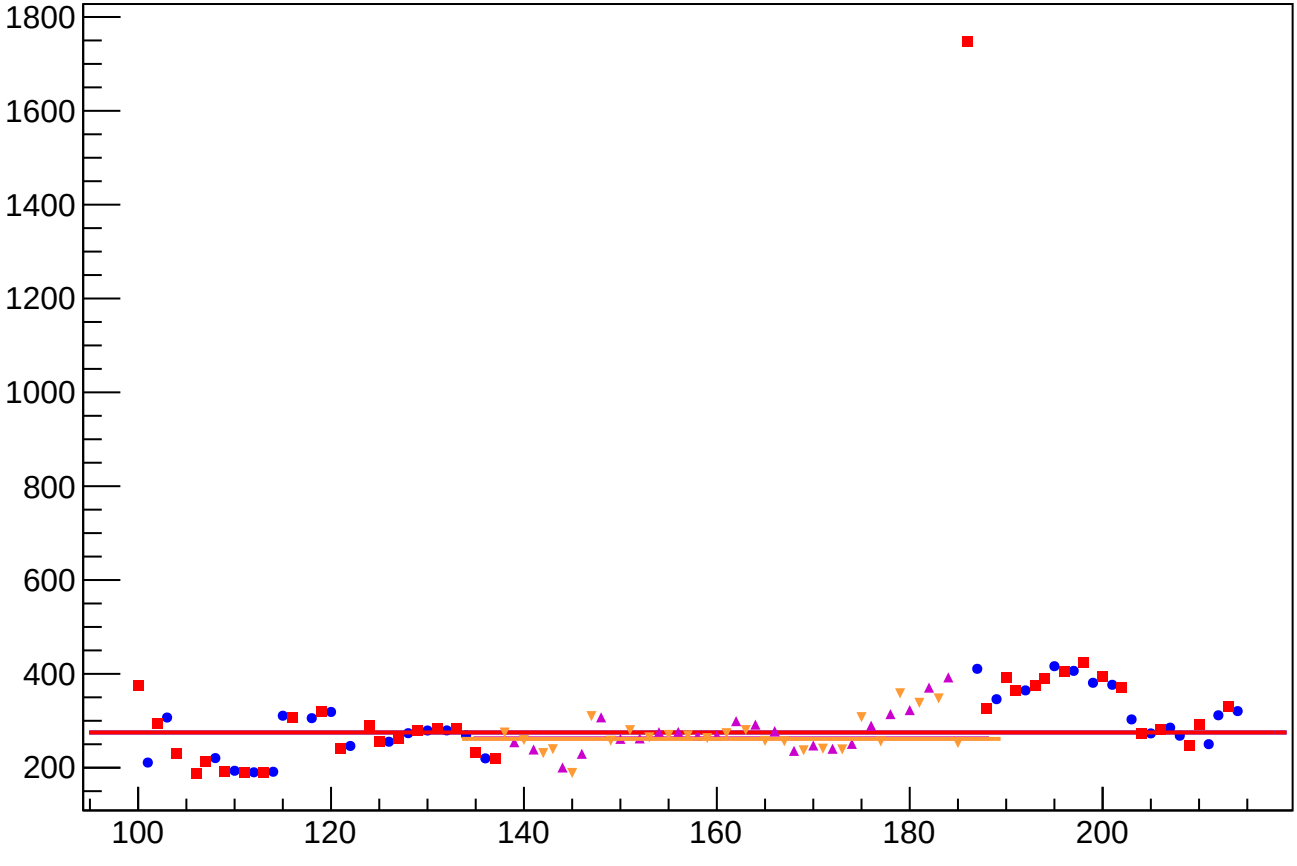
Right: -2.468+/-46.581 χ^2/NDF: 65.3/63

In: 173.920+/-45.240 χ^2/NDF:59.1/52

Out: 186.980+/-44.373 χ^2/NDF:93.5/58

All: 180.576+/-31.679 χ^2/NDF: 152.7/111

reg_asym_sam4_rms vs Slug, Sign Corrected



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

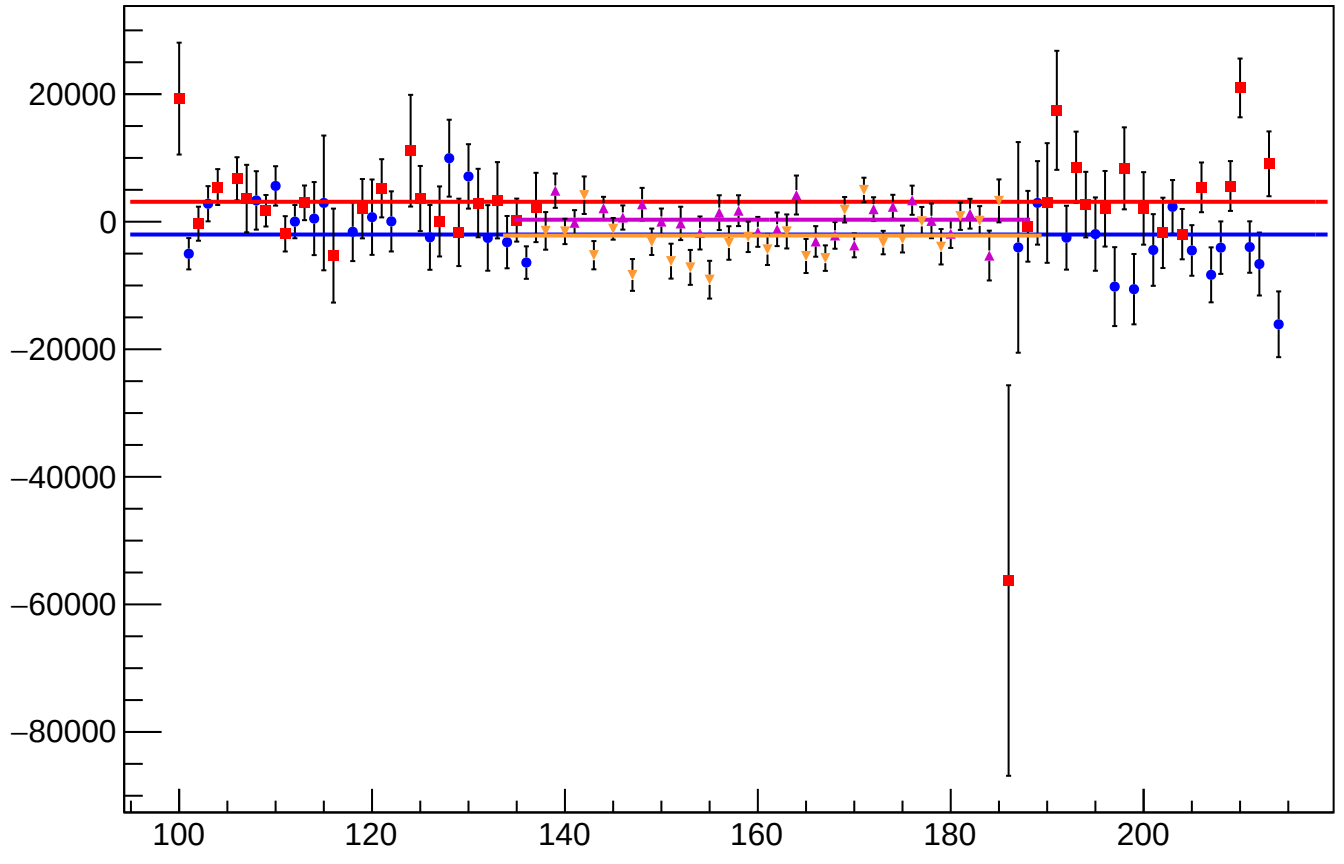
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 275.107+/-0.033 χ^2/NDF: 4226647.4/63

In: 268.468+/-0.032 χ^2/NDF:2335942.7/52

Out: 267.698+/-0.031 χ^2/NDF:3361675.5/58

All: 268.075+/-0.022 χ^2/NDF: 5697913.8/11



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

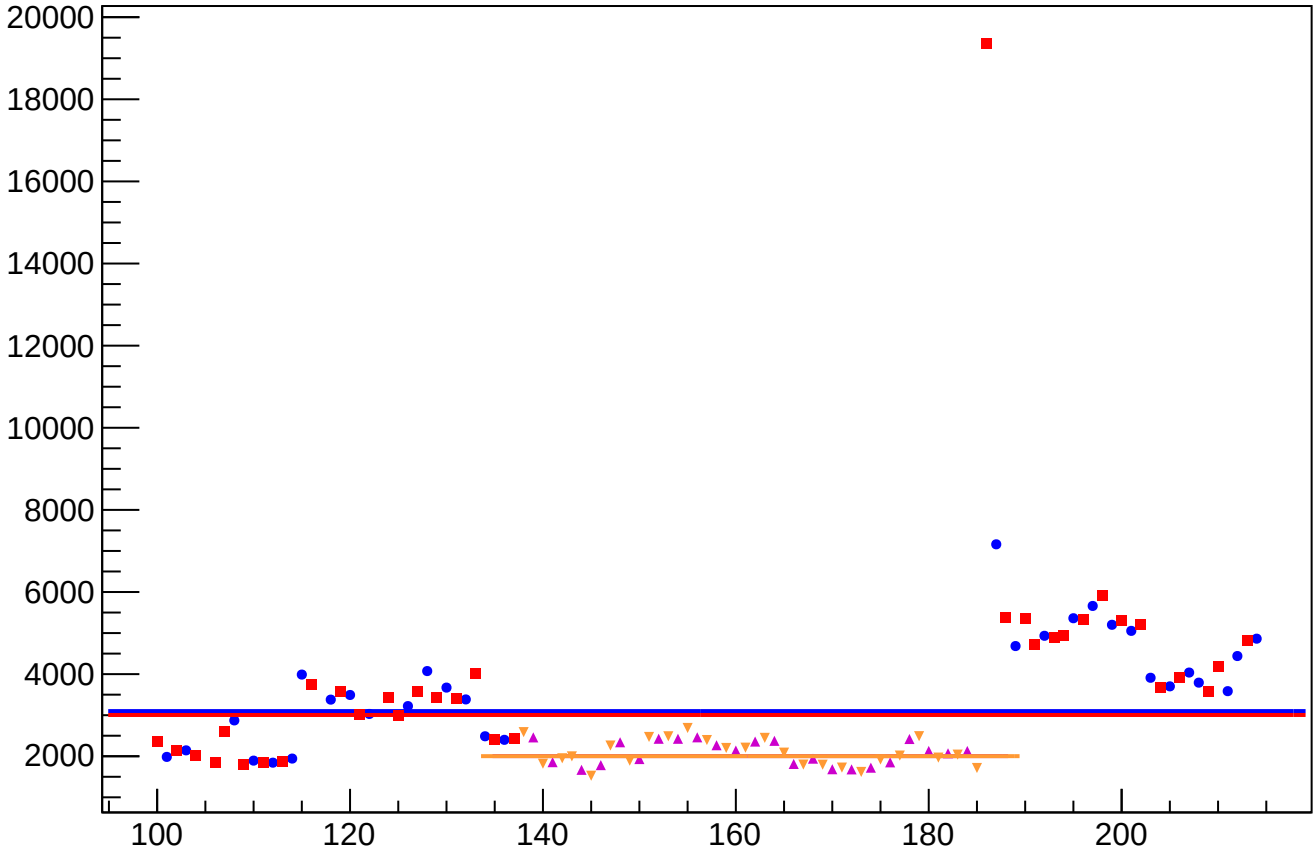
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 631.663+/-538.406 χ^2/NDF: 106.5/63

In: -321.592+/-404.088 χ^2/NDF:71.3/52

Out: -718.464+/-393.233 χ^2/NDF:134.3/58

All: -525.430+/-281.817 χ^2/NDF: 206.1/111



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

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

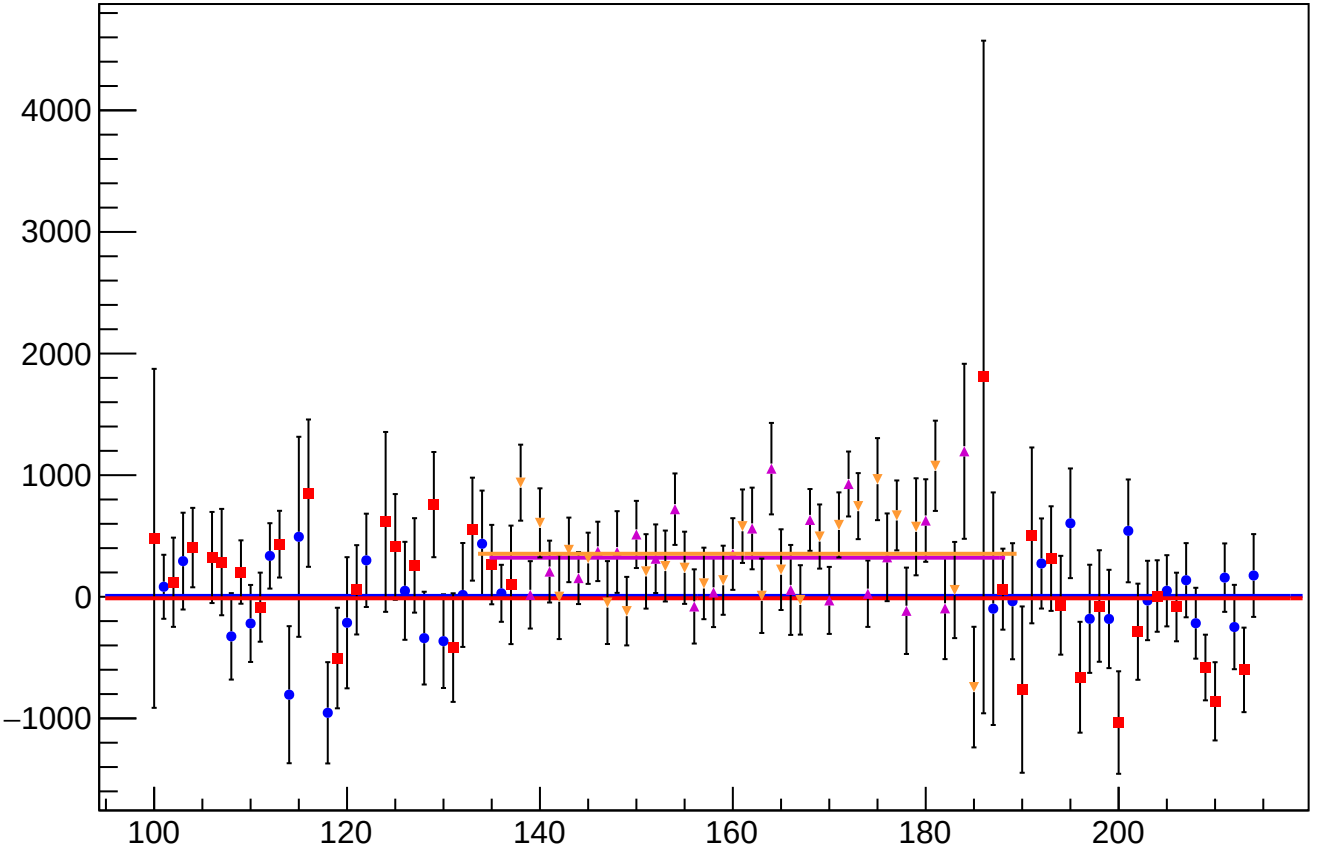
Right: 3051.220+/-0.381 χ^2/NDF: 9951175.3/63

In: 2303.880+/-0.286 χ^2/NDF:7820389.1/52

Out: 2277.520+/-0.278 χ^2/NDF:9225691.1/58

All: 2290.341+/-0.199 χ^2/NDF: 17050451.3/1

cor_asym_sam4_mean vs Slug, Sign Corrected



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

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

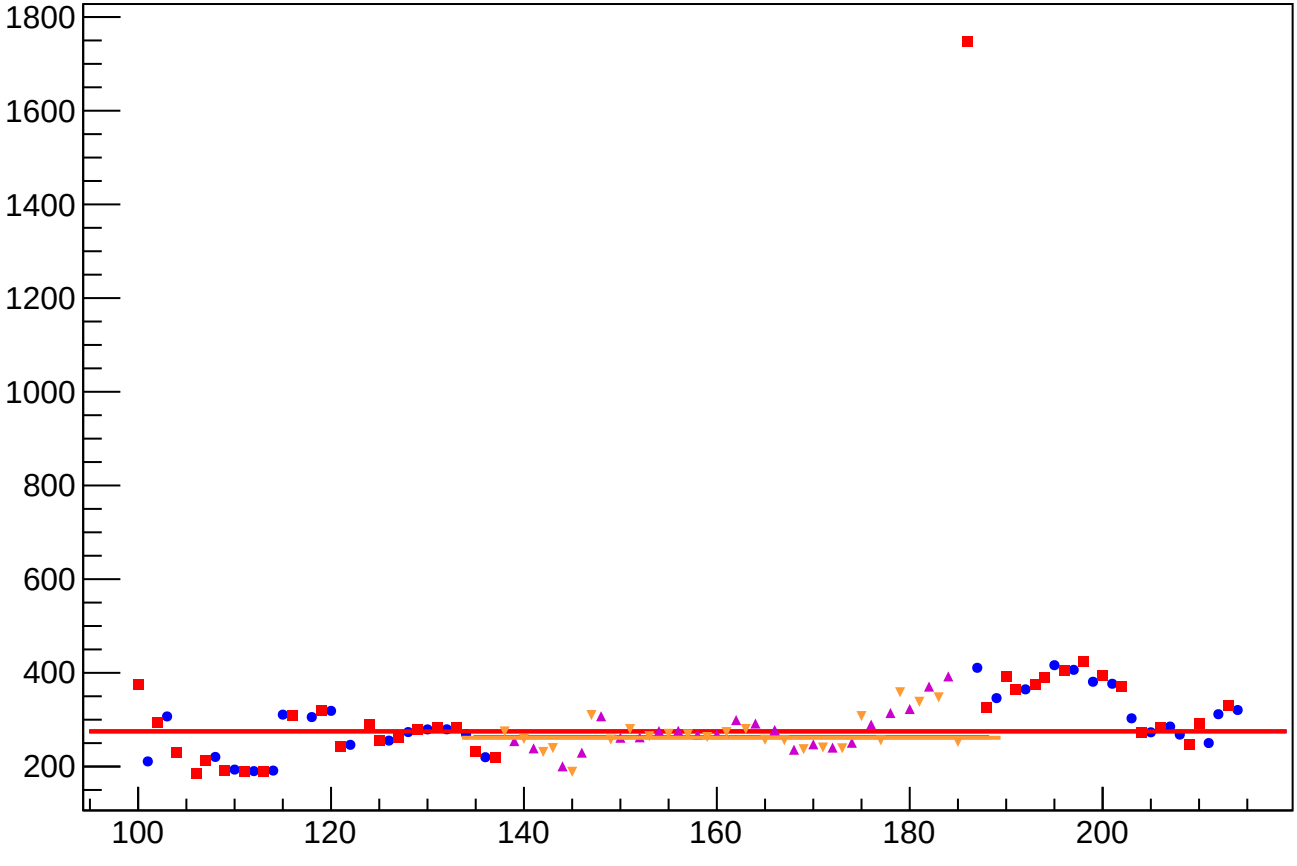
Right: -2.669+/-46.583 χ^2/NDF: 65.2/63

In: 173.916+/-45.240 χ^2/NDF:59.1/52

Out: 186.831+/-44.375 χ^2/NDF:93.5/58

All: 180.498+/-31.679 χ^2/NDF: 152.7/111

cor_asym_sam4_rms vs Slug, Sign Corrected



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

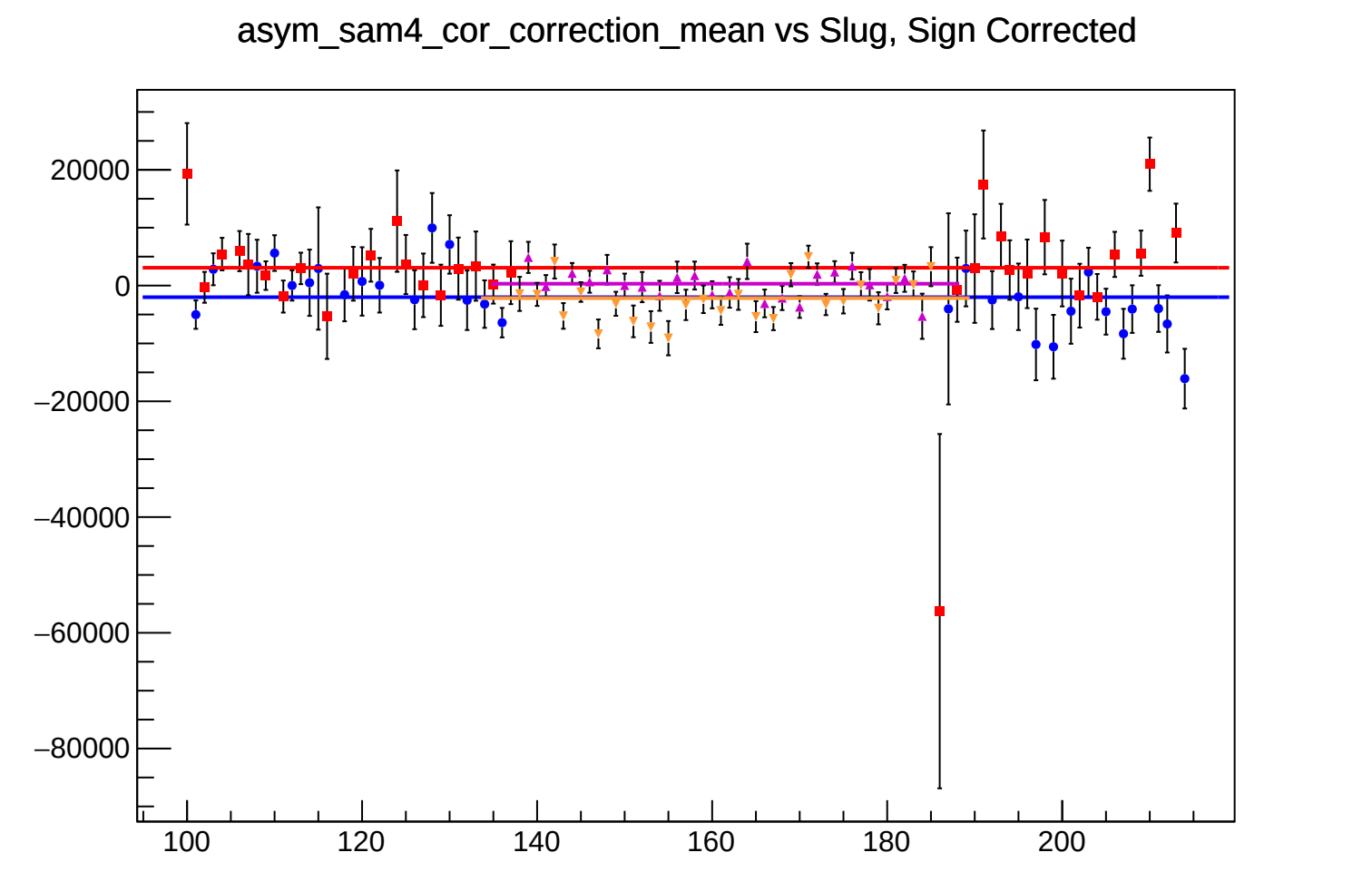
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 275.077+/-0.033 χ^2/NDF: 4232578.9/63

In: 268.468+/-0.032 χ^2/NDF:2335944.3/52

Out: 267.669+/-0.031 χ^2/NDF:3367182.9/58

All: 268.061+/-0.022 χ^2/NDF: 5703445.1/11



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

Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

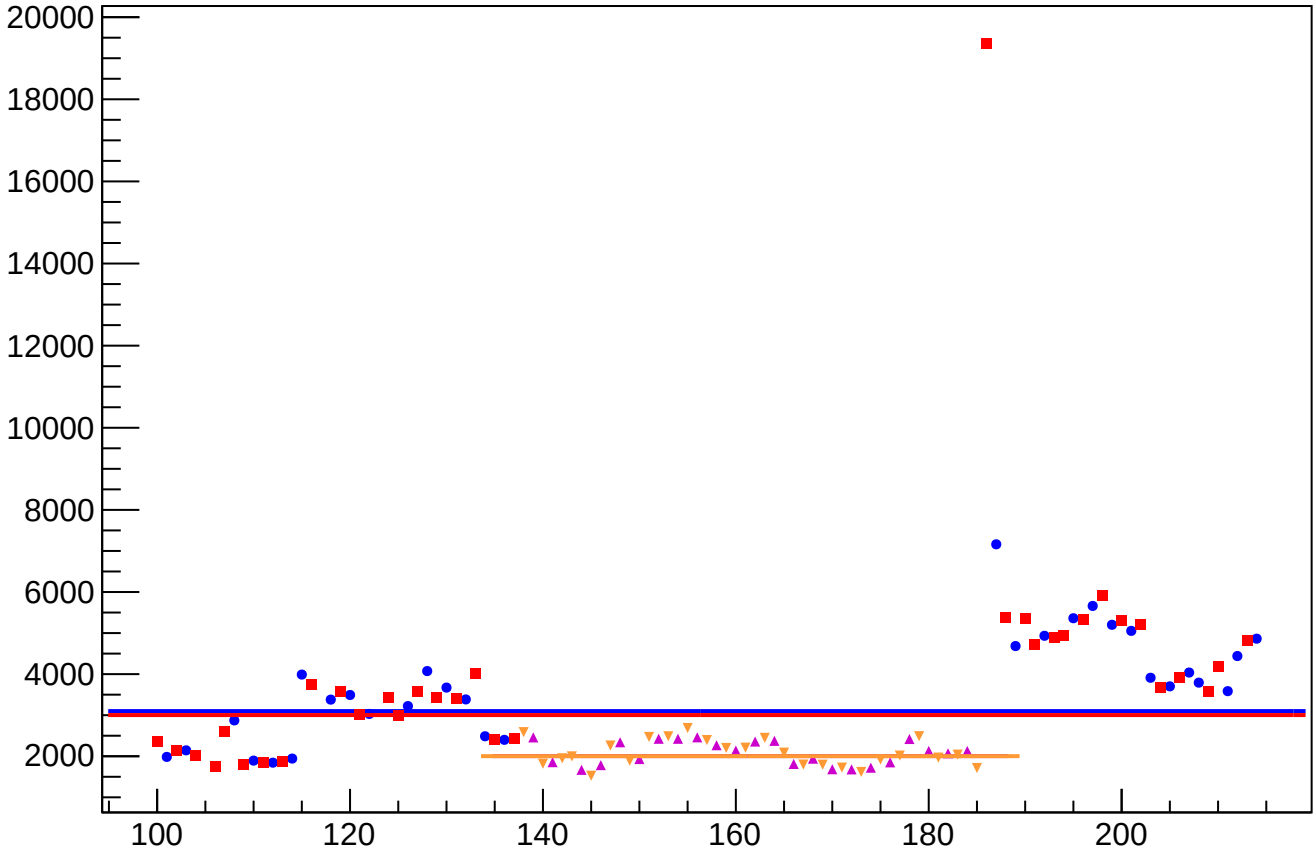
Right: 605.145+/-538.776 χ^2/NDF: 105.5/63

In: -321.617+/-404.089 χ^2/NDF:71.3/52

Out: -733.540+/-393.376 χ^2/NDF:133.1/58

All: -533.111+/-281.870 χ^2/NDF: 205.0/111

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



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

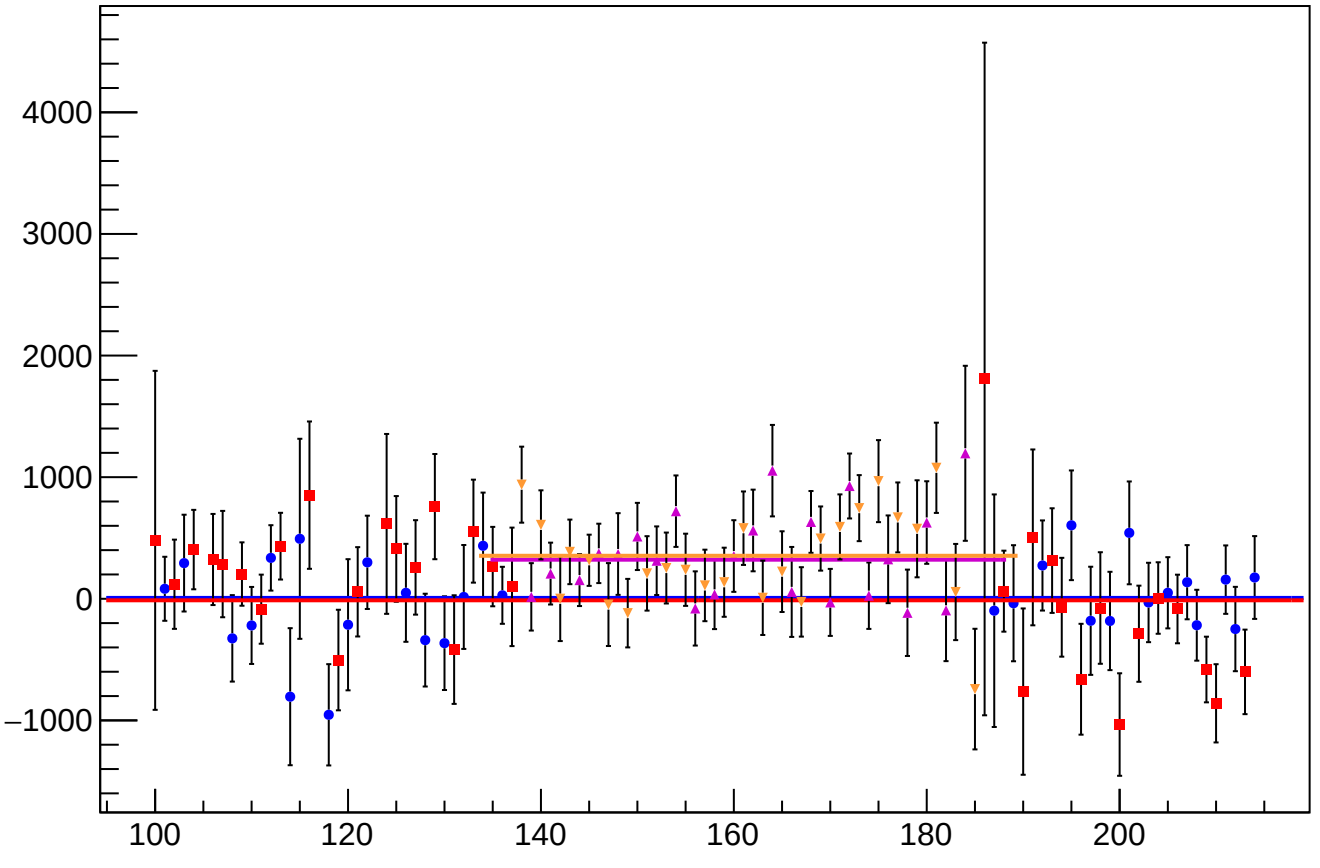
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 3050.208+/-0.381 χ^2/NDF: 9983671.2/63

In: 2303.885+/-0.286 χ^2/NDF:7820373.3/52

Out: 2276.410+/-0.278 χ^2/NDF:9241725.5/58

All: 2289.778+/-0.199 χ^2/NDF: 17066845.8/1



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

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

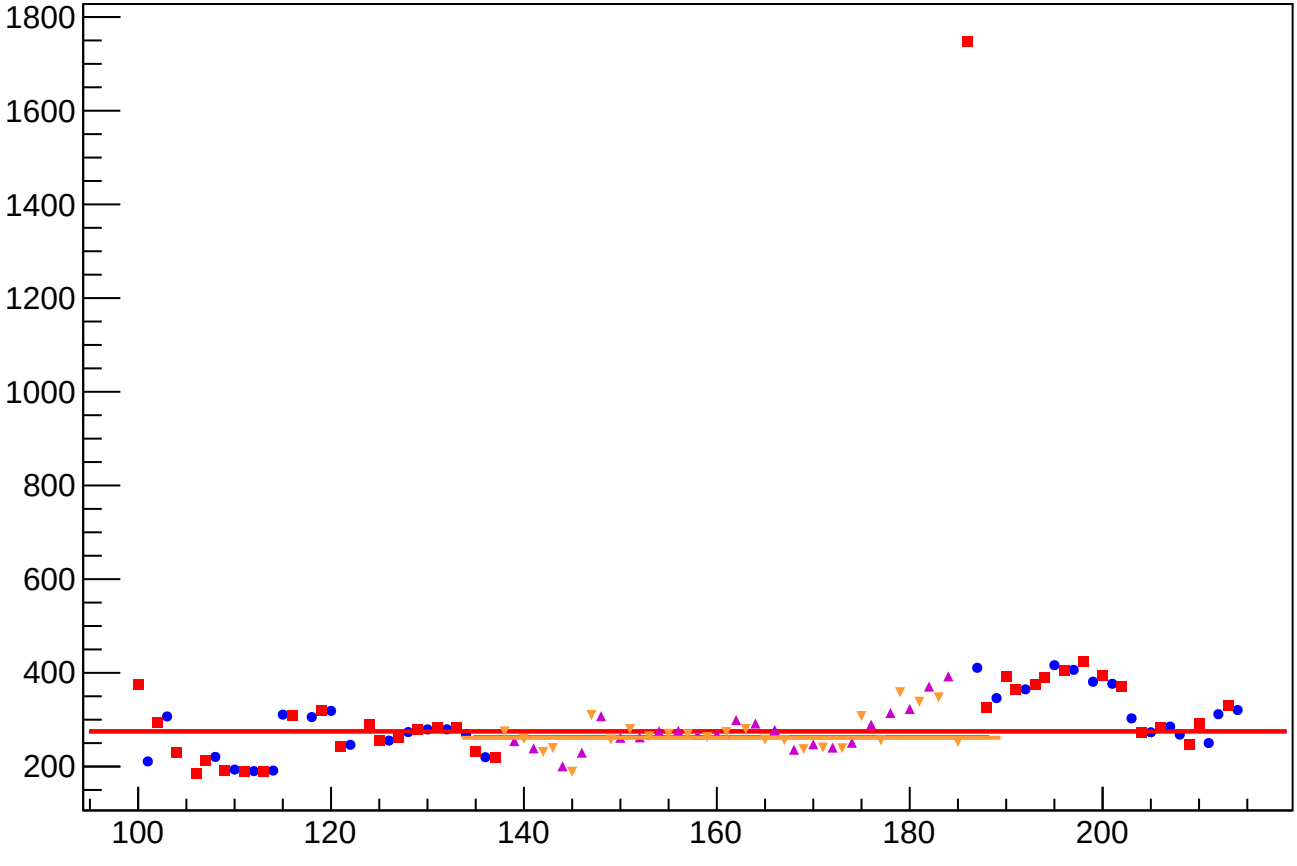
Right: -2.669+/-46.583 χ^2/NDF: 65.2/63

In: 173.916+/-45.240 χ^2/NDF:59.1/52

Out: 186.831+/-44.375 χ^2/NDF:93.5/58

All: 180.498+/-31.679 χ^2/NDF: 152.7/111

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



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

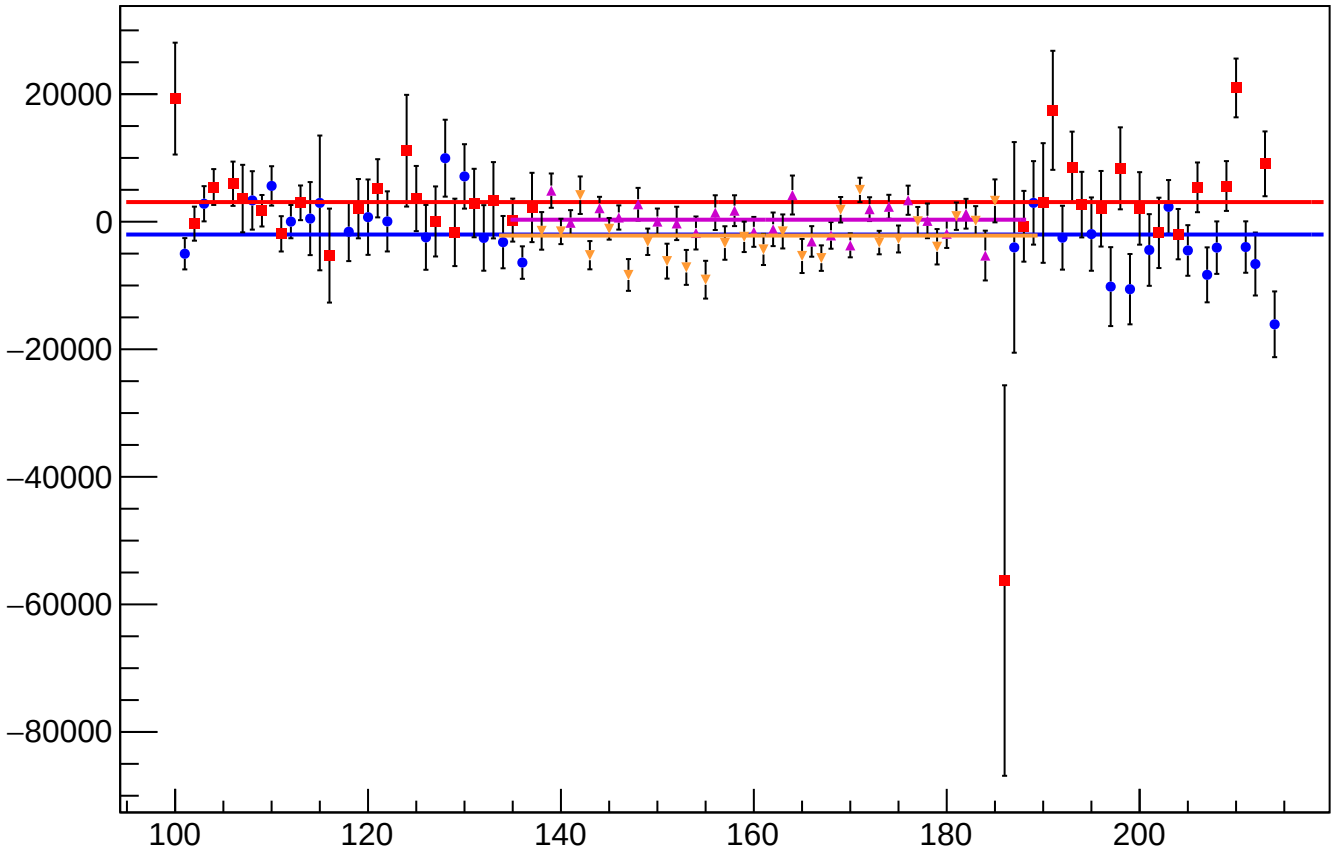
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 275.077+/-0.033 χ^2/NDF: 4232578.9/63

In: 268.468+/-0.032 χ^2/NDF:2335944.3/52

Out: 267.669+/-0.031 χ^2/NDF:3367182.9/58

All: 268.061+/-0.022 χ^2/NDF: 5703445.1/11



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

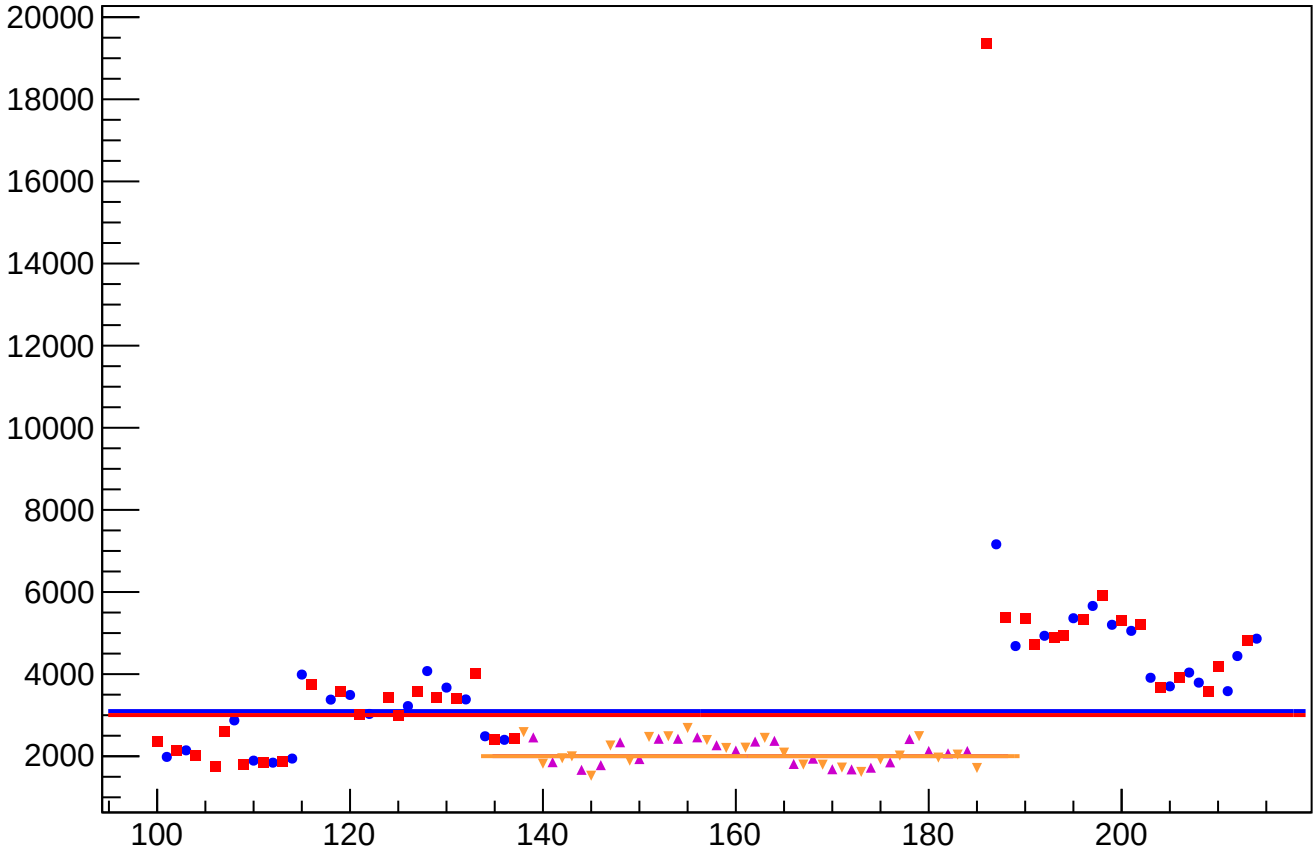
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 605.145+/-538.776 χ^2/NDF: 105.5/63

In: -321.617+/-404.089 χ^2/NDF:71.3/52

Out: -733.540+/-393.376 χ^2/NDF:133.1/58

All: -533.111+/-281.870 χ^2/NDF: 205.0/111



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

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

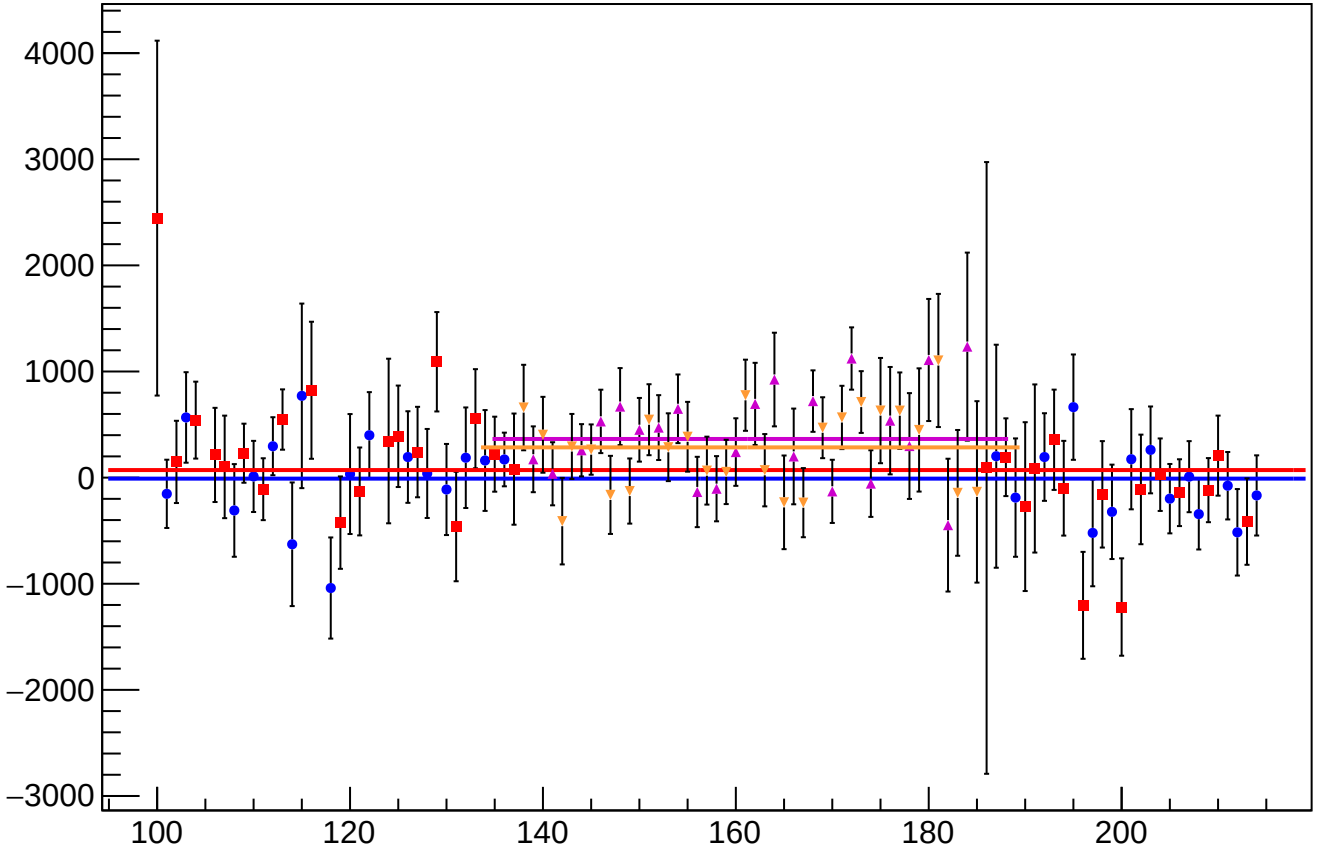
Right: 3050.208+/-0.381 χ^2/NDF: 9983671.2/63

In: 2303.885+/-0.286 χ^2/NDF:7820373.3/52

Out: 2276.410+/-0.278 χ^2/NDF:9241725.5/58

All: 2289.778+/-0.199 χ^2/NDF: 17066845.8/1

dit_asym_sam4_mean vs Slug, Sign Corrected



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

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

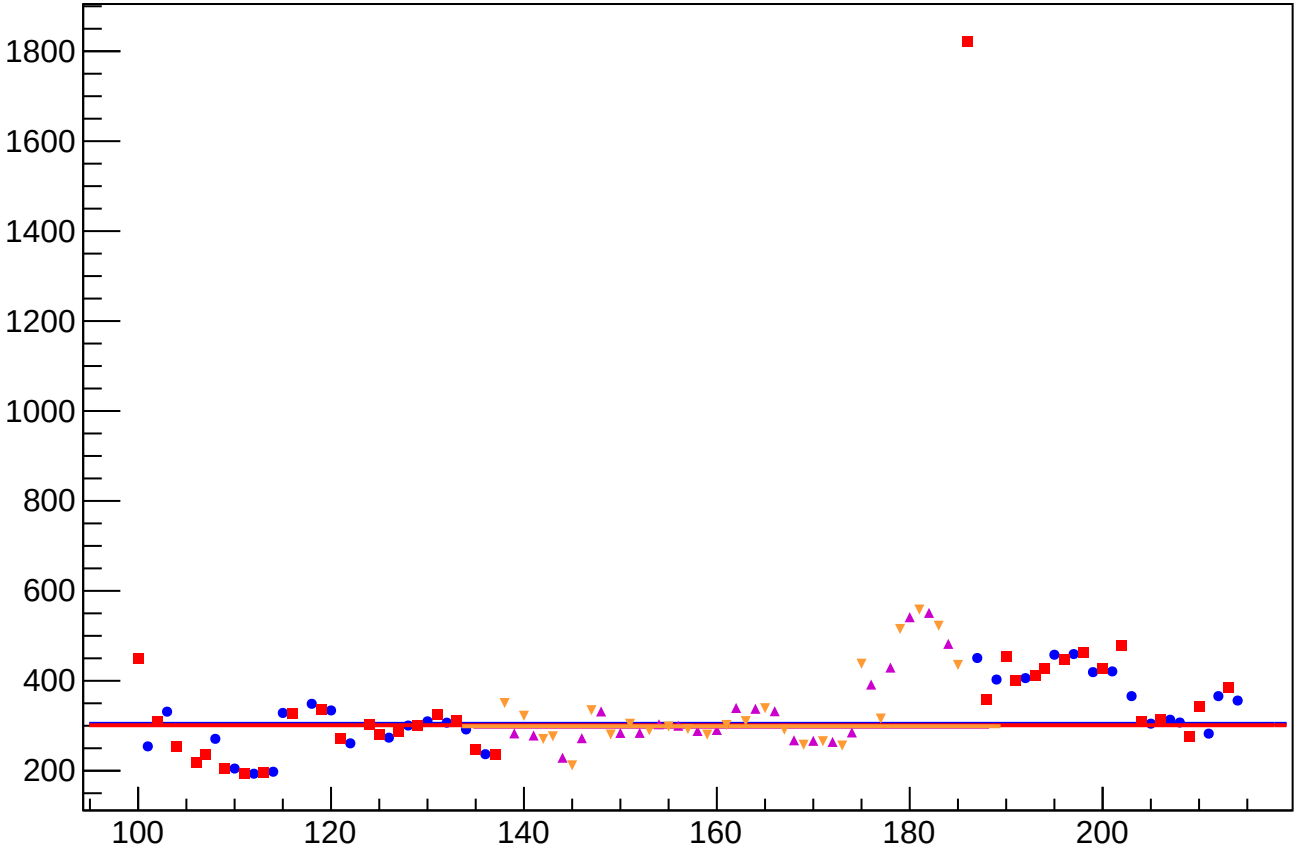
Right: 31.309+/-51.620 χ^2/NDF: 56.5/63

In: 181.801+/-51.318 χ^2/NDF:61.4/52

Out: 181.810+/-50.387 χ^2/NDF:63.2/58

All: 181.806+/-35.954 χ^2/NDF: 124.6/111

dit_asym_sam4_rms vs Slug, Sign Corrected



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

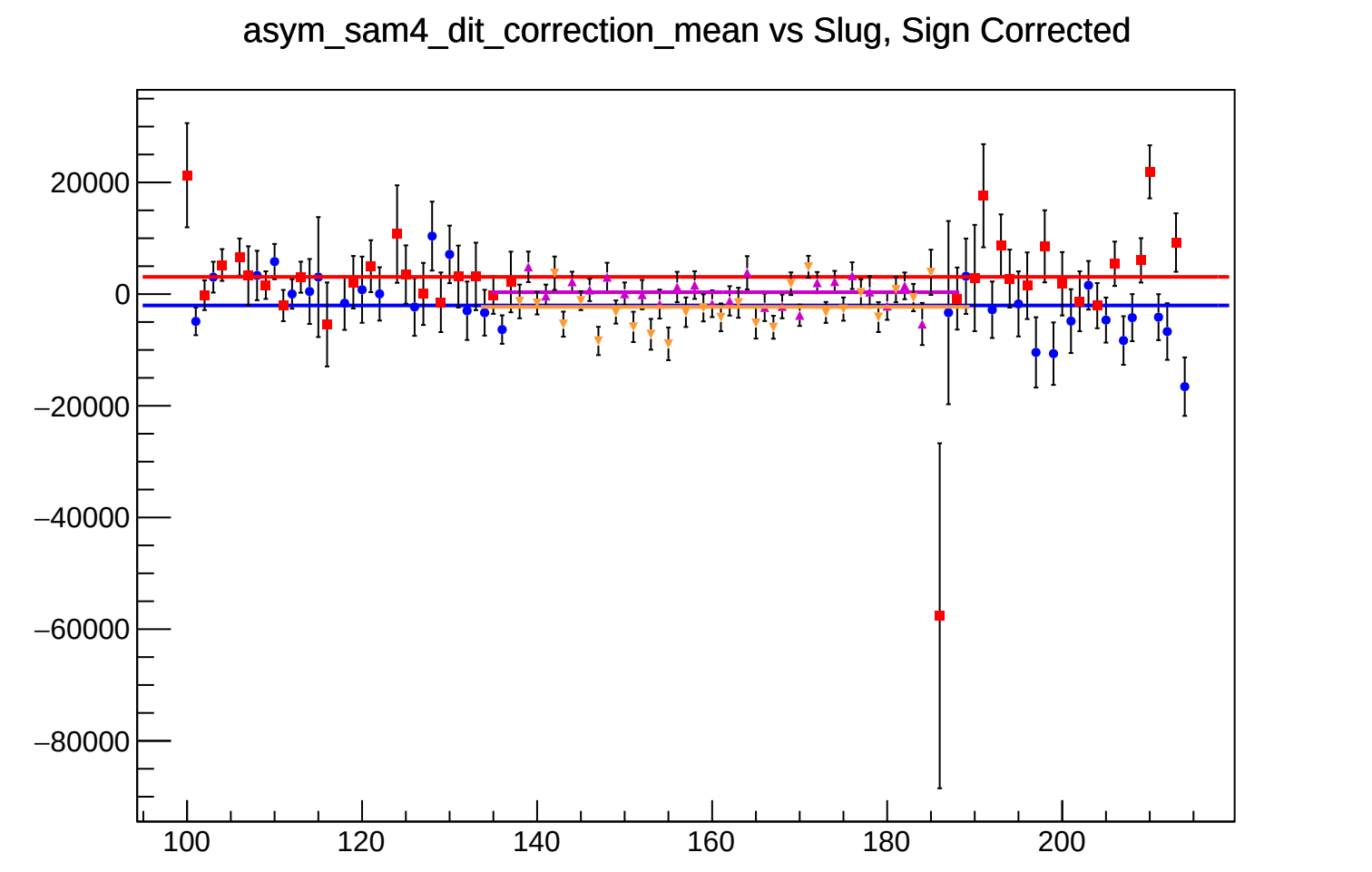
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 302.737+/-0.037 χ^2/NDF: 4778352.2/63

In: 301.009+/-0.036 χ^2/NDF:3168811.9/52

Out: 300.042+/-0.036 χ^2/NDF:4548728.2/58

All: 300.516+/-0.025 χ^2/NDF: 7717901.6/11



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

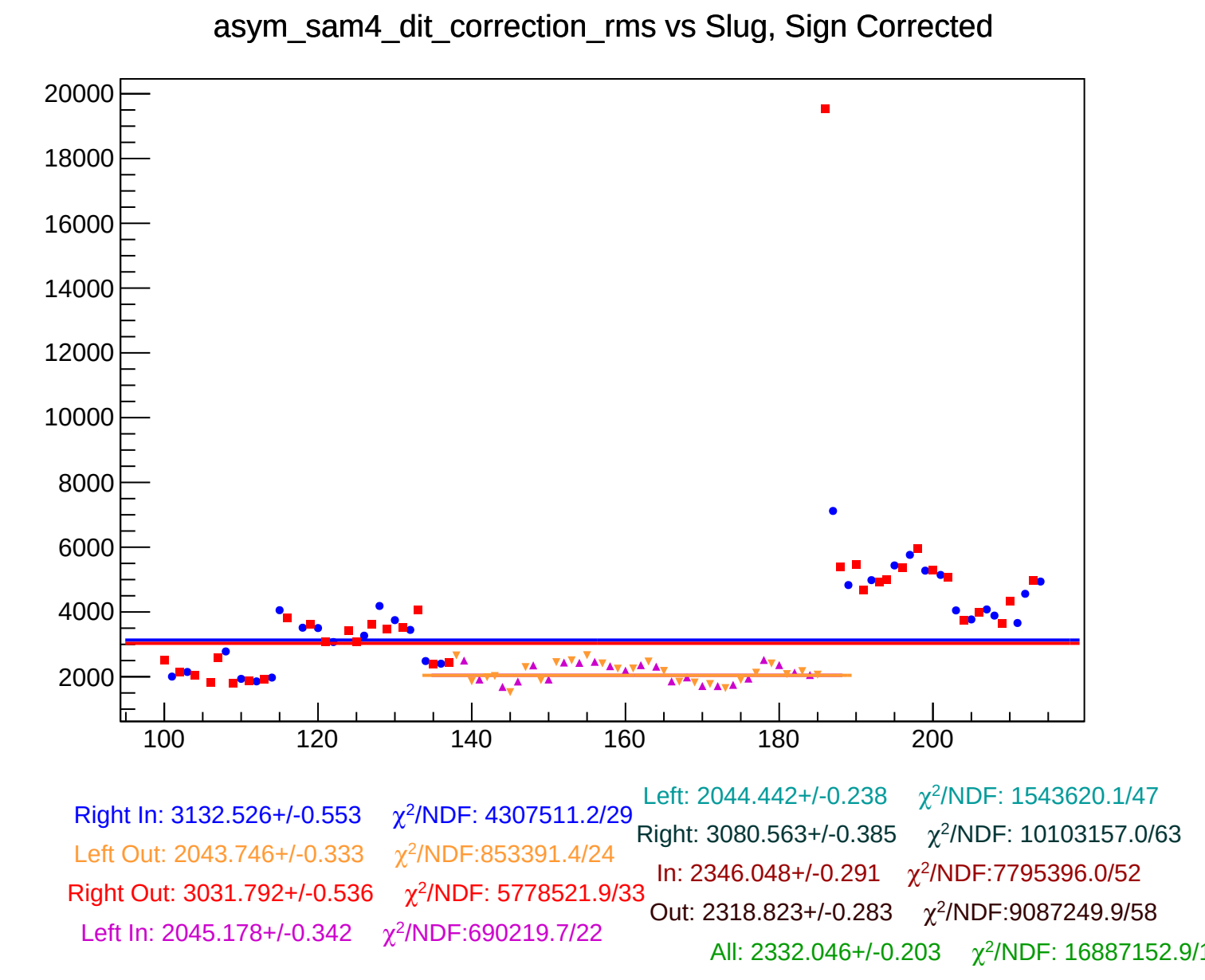
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 606.425+/-544.051 χ^2/NDF: 107.3/63

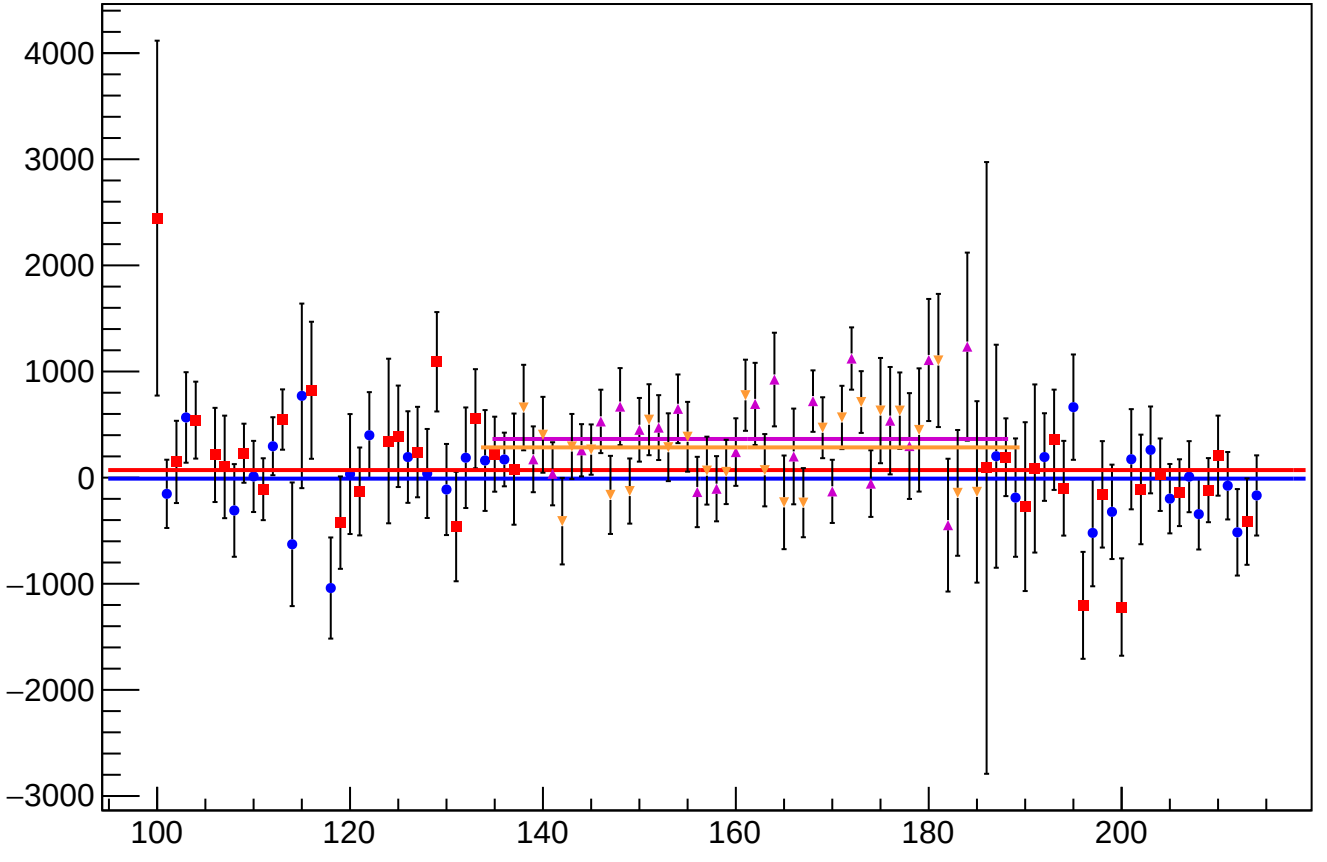
In: -313.971+/-411.291 χ^2/NDF:70.8/52

Out: -795.338+/-399.689 χ^2/NDF:131.9/58

All: -561.540+/-286.637 χ^2/NDF: 203.4/111


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 3132.526+/-0.553 χ²/NDF: 4307511.2/29
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 3031.792+/-0.536 χ²/NDF: 5778521.9/33
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 3080.563+/-0.385 χ²/NDF: 10103157.0/63
In: 2346.048+/-0.291 χ²/NDF:7795396.0/52
Out: 2318.823+/-0.283 χ²/NDF:9087249.9/58
All: 2332.046+/-0.203 χ²/NDF: 16887152.9/

eigen_dit_asym_sam4_mean vs Slug, Sign Corrected



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

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

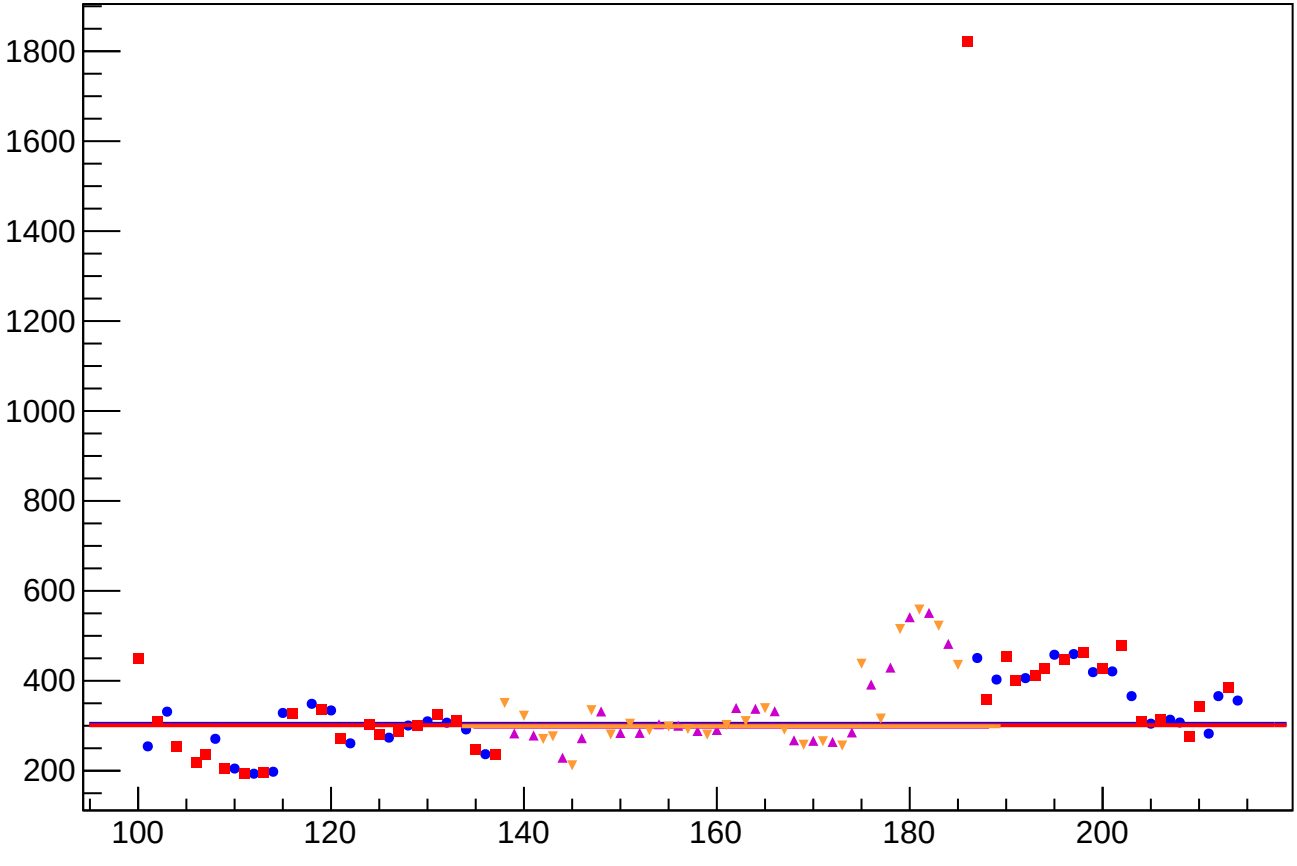
Right: 31.310+/-51.620 χ^2/NDF: 56.5/63

In: 181.804+/-51.318 χ^2/NDF:61.4/52

Out: 181.811+/-50.387 χ^2/NDF:63.2/58

All: 181.807+/-35.954 χ^2/NDF: 124.6/111

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



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

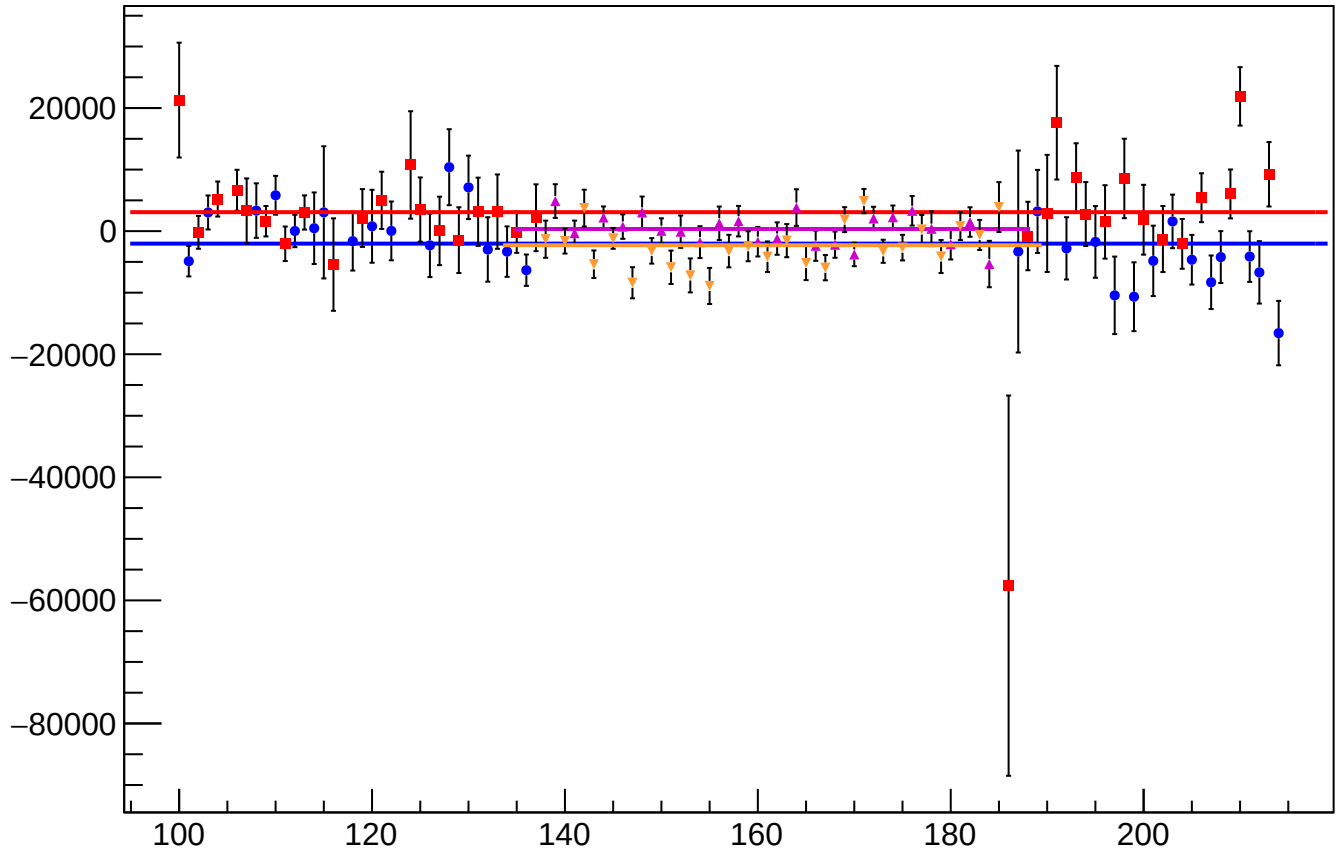
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 302.737+/-0.037 χ^2/NDF: 4778338.4/63

In: 301.009+/-0.036 χ^2/NDF:3168776.8/52

Out: 300.042+/-0.036 χ^2/NDF:4548727.4/58

All: 300.517+/-0.025 χ^2/NDF: 7717865.8/11



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

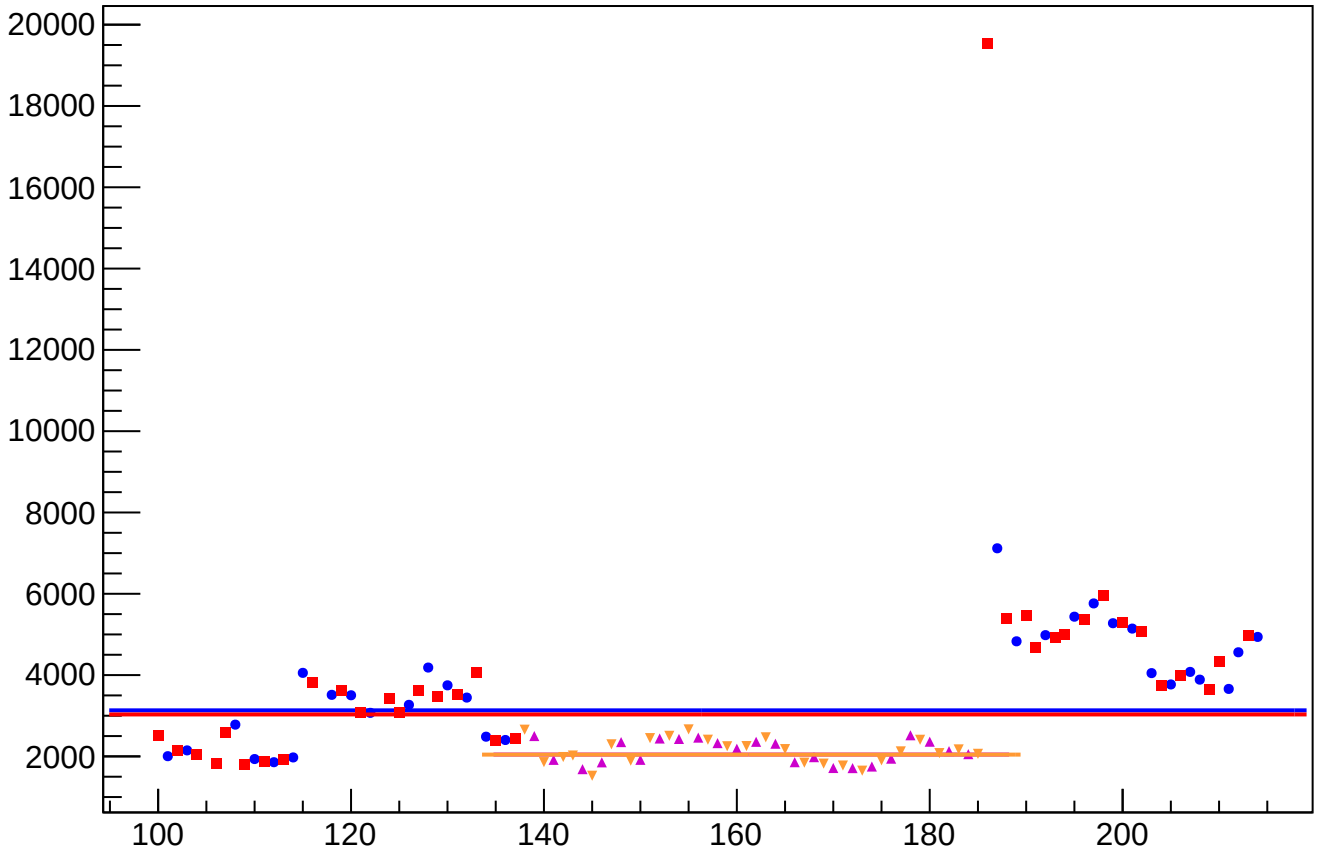
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 606.425+/-544.051 χ^2/NDF: 107.3/63

In: -313.971+/-411.291 χ^2/NDF:70.8/52

Out: -795.337+/-399.689 χ^2/NDF:131.9/58

All: -561.539+/-286.637 χ^2/NDF: 203.4/111



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

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

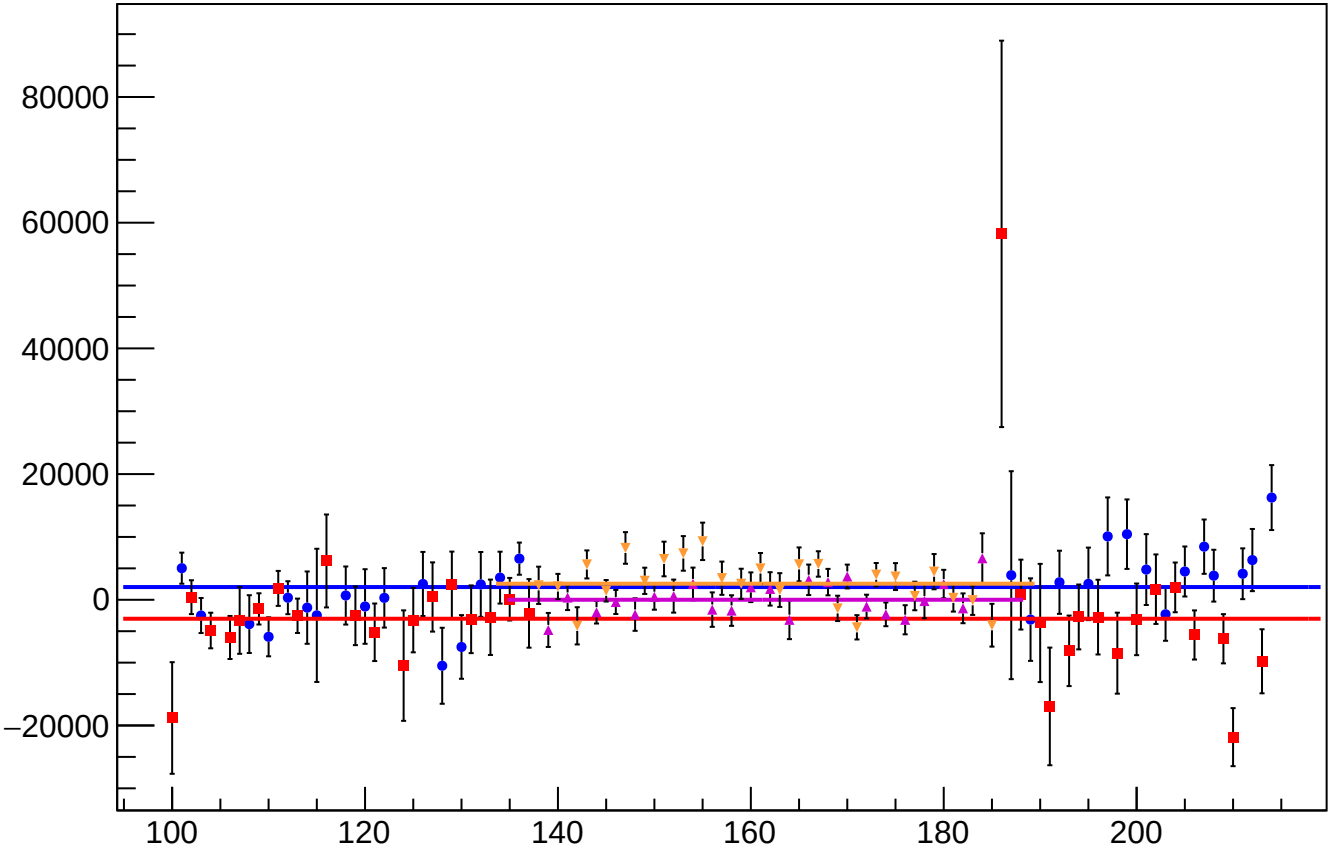
Right: 3080.561+/-0.385 χ^2/NDF: 10103152.3/63

In: 2346.045+/-0.291 χ^2/NDF:7795402.6/52

Out: 2318.820+/-0.283 χ^2/NDF:9087258.0/58

All: 2332.043+/-0.203 χ^2/NDF: 16887167.7/1

asym_sam4_mean vs Slug, Sign Corrected



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

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

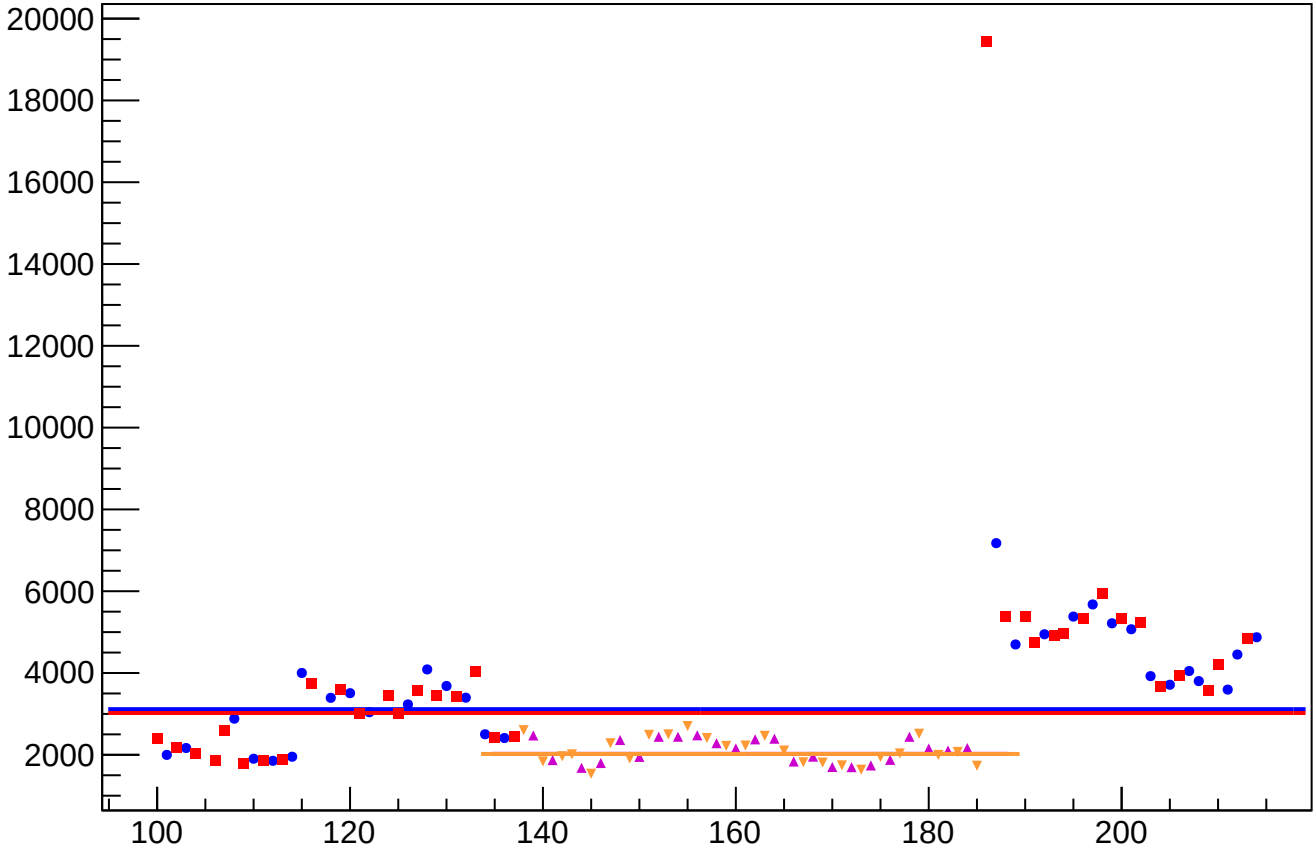
Right: -566.836+/-541.041 χ^2/NDF: 108.1/63

In: 560.391+/-407.339 χ^2/NDF:71.7/52

Out: 1019.784+/-396.442 χ^2/NDF:136.5/58

All: 796.314+/-284.101 χ^2/NDF: 208.8/111

asym_sam4_rms vs Slug, Sign Corrected



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

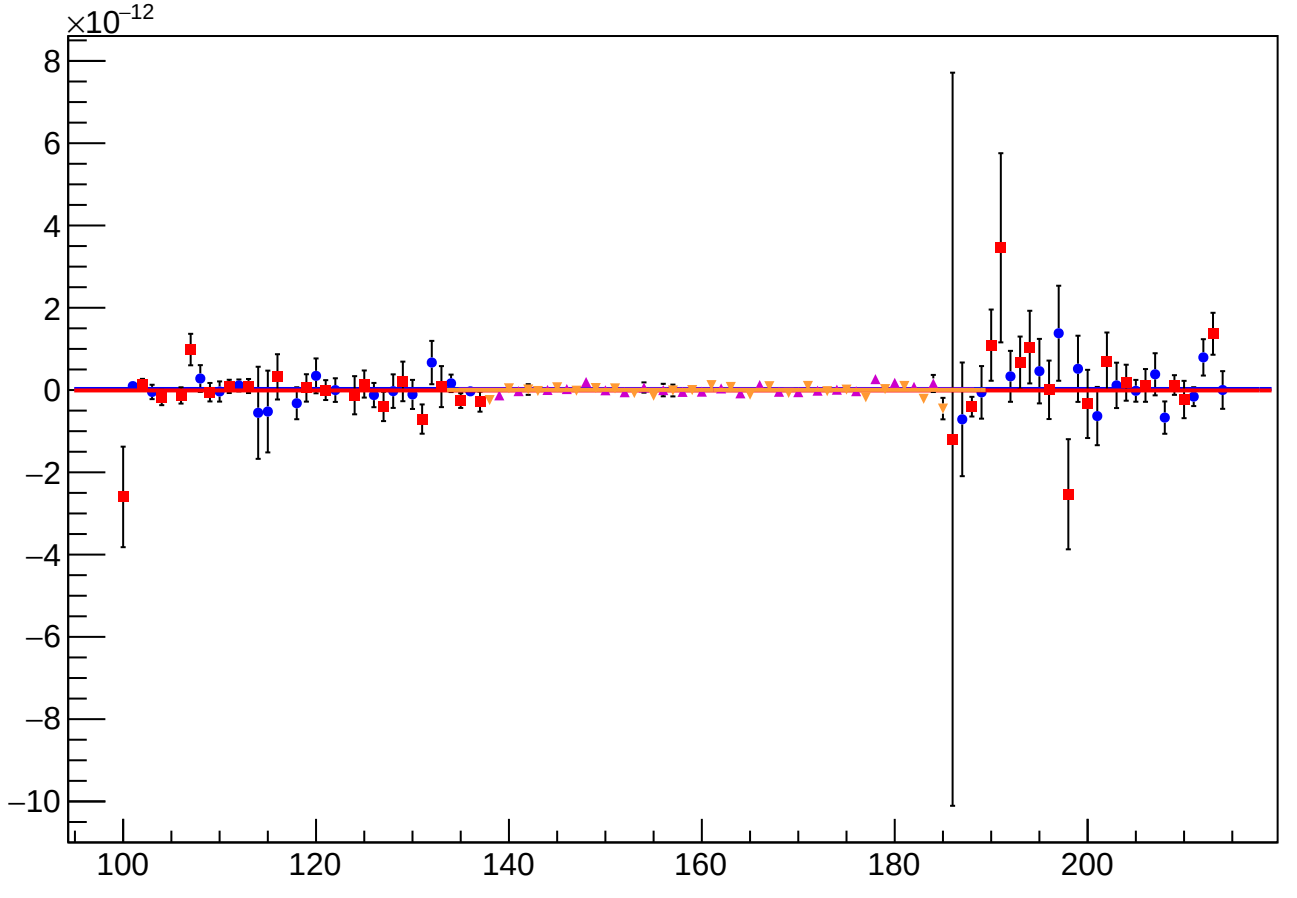
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 3067.880+/-0.383 χ^2/NDF: 9872254.0/63

In: 2324.154+/-0.288 χ^2/NDF:7726210.2/52

Out: 2297.684+/-0.280 χ^2/NDF:9129525.1/58

All: 2310.560+/-0.201 χ^2/NDF: 16860072.4/1



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

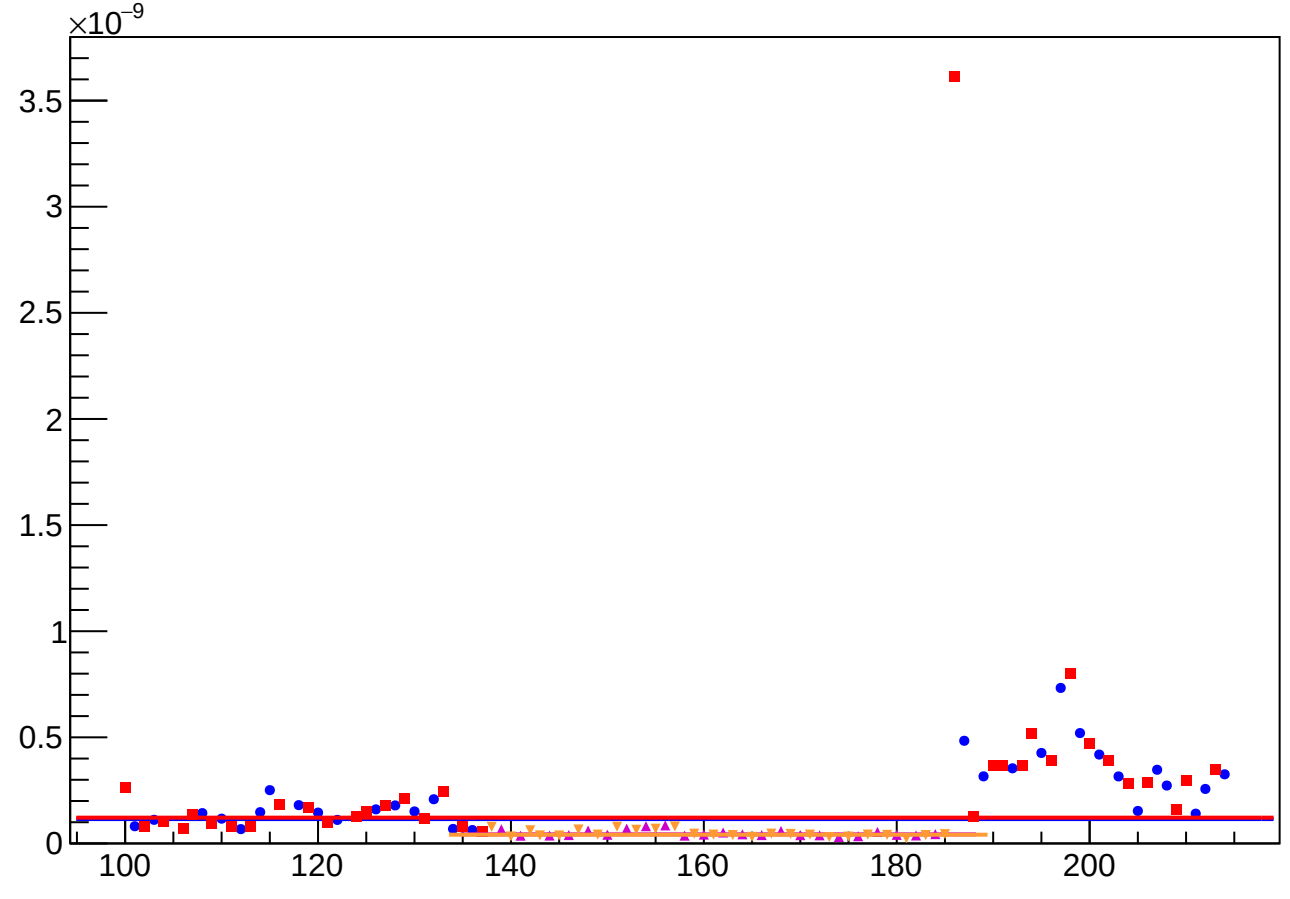
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 62.6/63

In: 0.000+/-0.000 χ^2/NDF:37.9/52

Out: 0.000+/-0.000 χ^2/NDF:77.5/58

All: 0.000+/-0.000 χ^2/NDF: 115.6/111



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

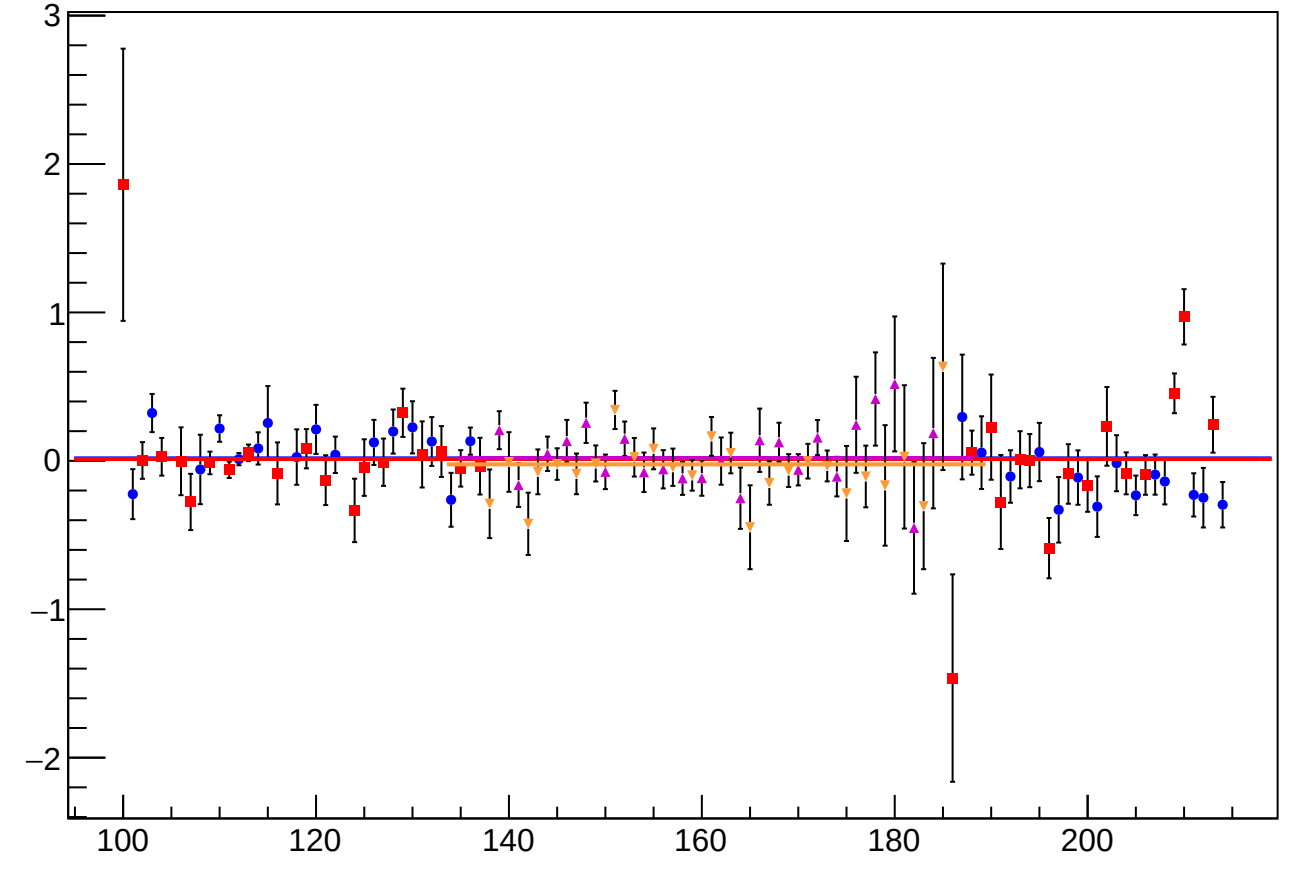
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10741281.0/63

In: 0.000+/-0.000 χ^2/NDF:10355510.5/52

Out: 0.000+/-0.000 χ^2/NDF:11030670.0/58

All: 0.000+/-0.000 χ^2/NDF: 21411409.1/111



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

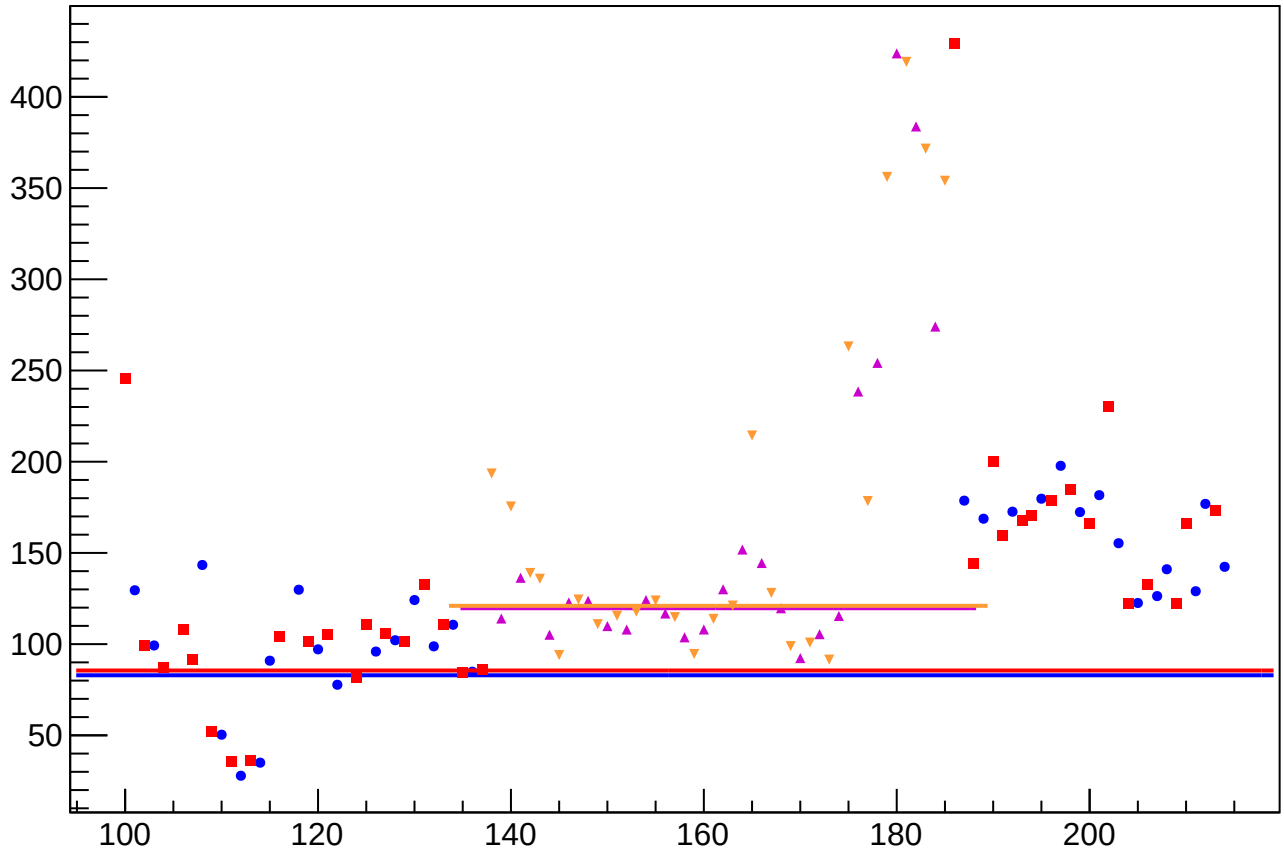
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.015+/-0.017 χ^2/NDF: 117.2/63

In: 0.017+/-0.019 χ^2/NDF:67.0/52

Out: -0.001+/-0.018 χ^2/NDF:96.4/58

All: 0.008+/-0.013 χ^2/NDF: 163.8/111



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

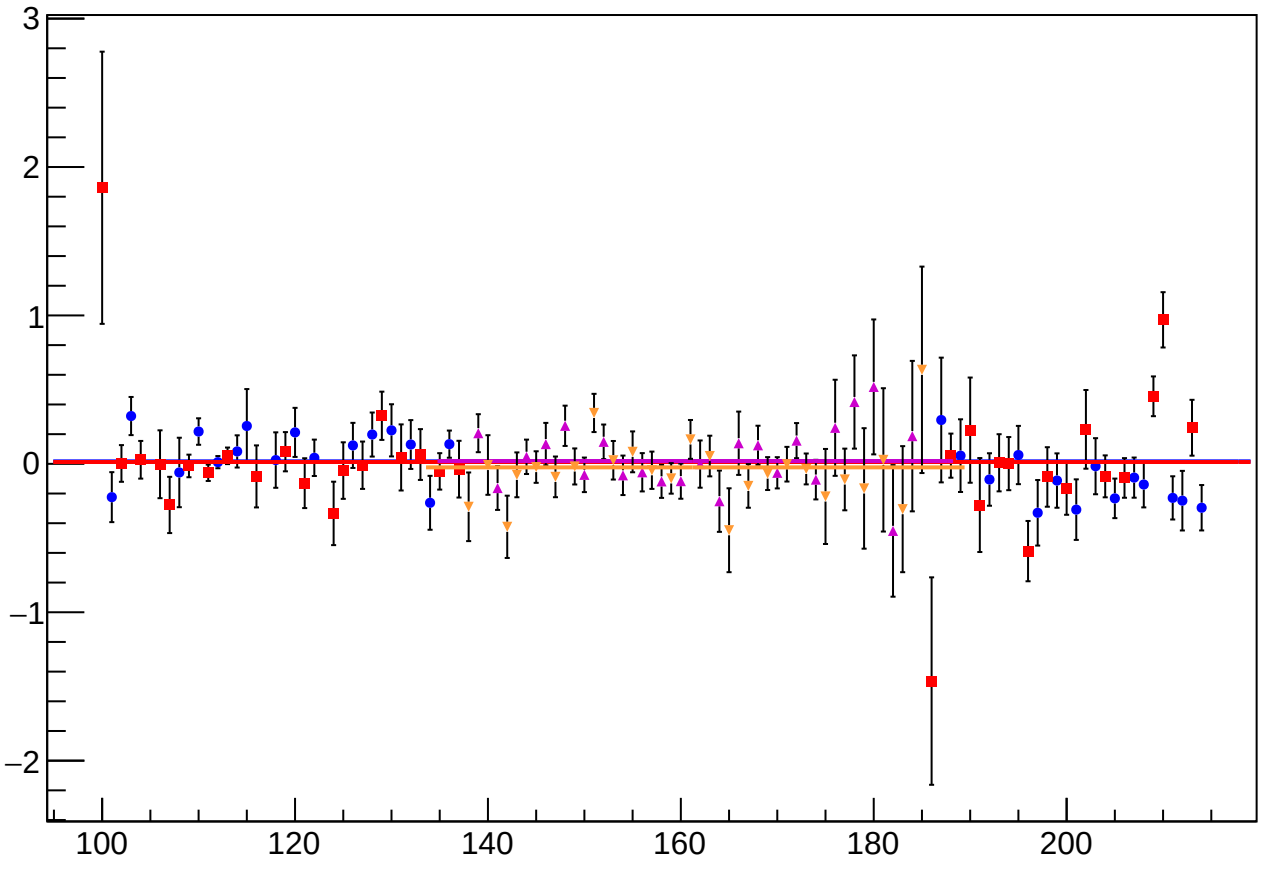
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 84.234+/-0.012 χ^2/NDF: 18866005.9/63

In: 96.724+/-0.013 χ^2/NDF:14351758.9/52

Out: 99.008+/-0.013 χ^2/NDF:15026502.3/58

All: 97.871+/-0.009 χ^2/NDF: 29393541.1/111



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

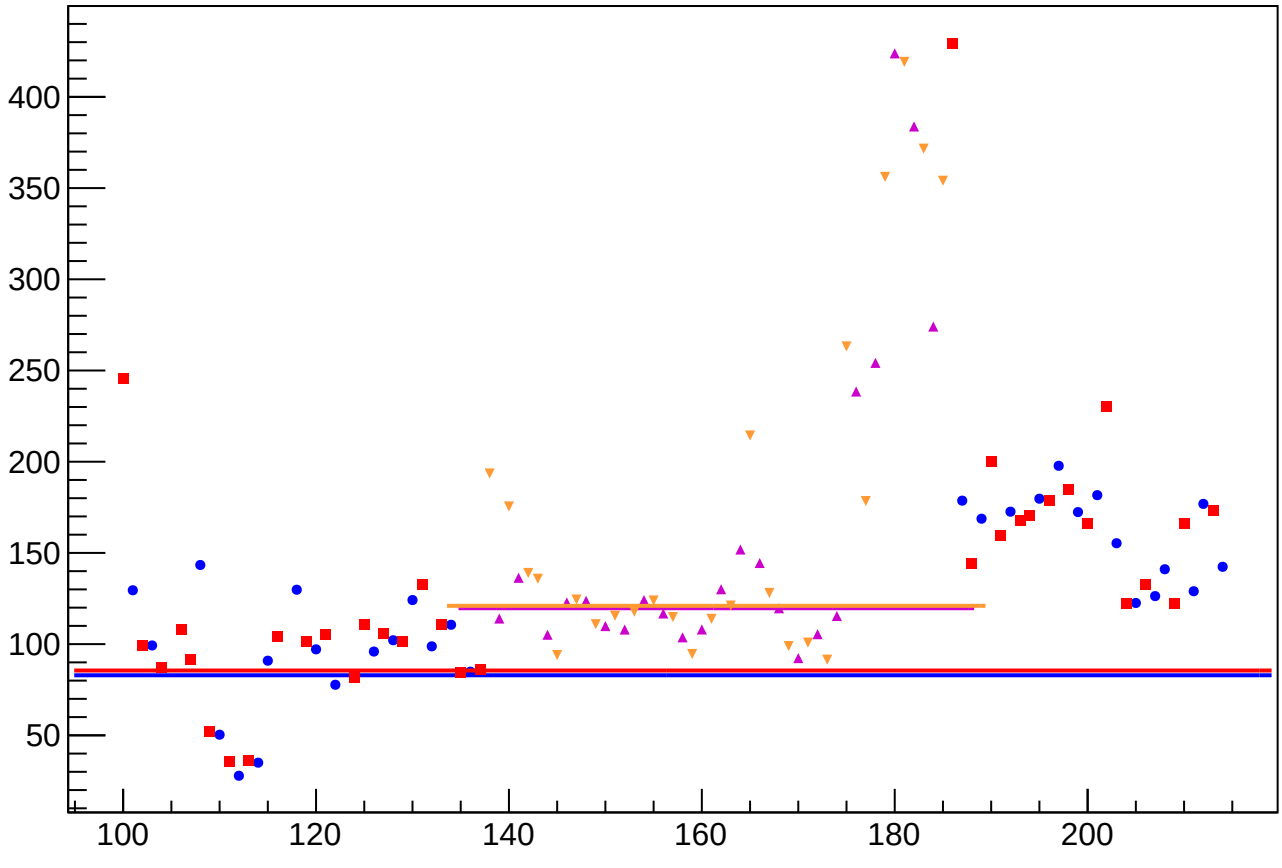
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.015+/-0.017 χ^2/NDF: 117.2/63

In: 0.017+/-0.019 χ^2/NDF:67.0/52

Out: -0.001+/-0.018 χ^2/NDF:96.4/58

All: 0.008+/-0.013 χ^2/NDF: 163.8/111



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

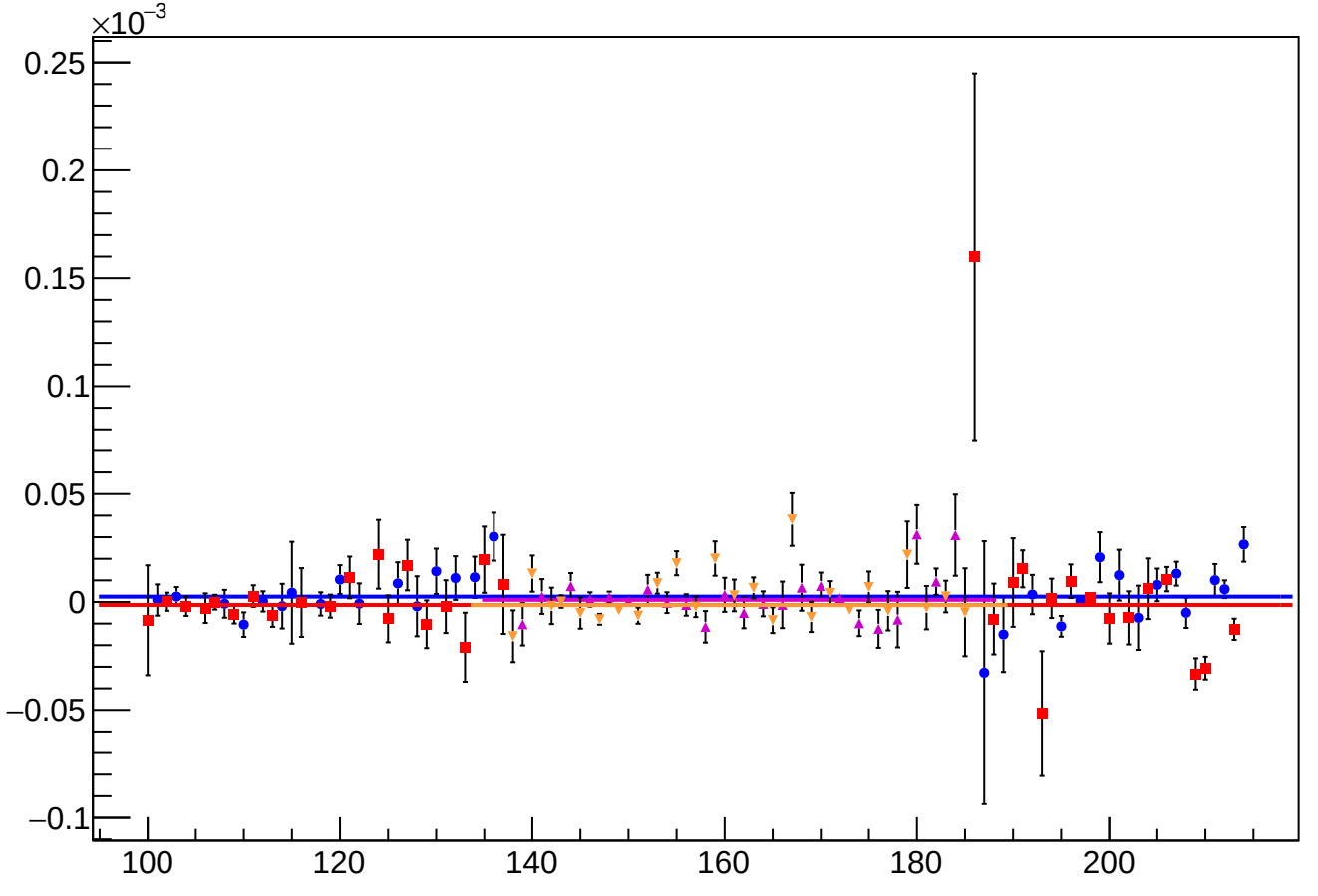
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 84.234+/-0.012 χ^2/NDF: 18866005.9/63

In: 96.724+/-0.013 χ^2/NDF:14351758.9/52

Out: 99.008+/-0.013 χ^2/NDF:15026502.3/58

All: 97.871+/-0.009 χ^2/NDF: 29393541.1/111



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

Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

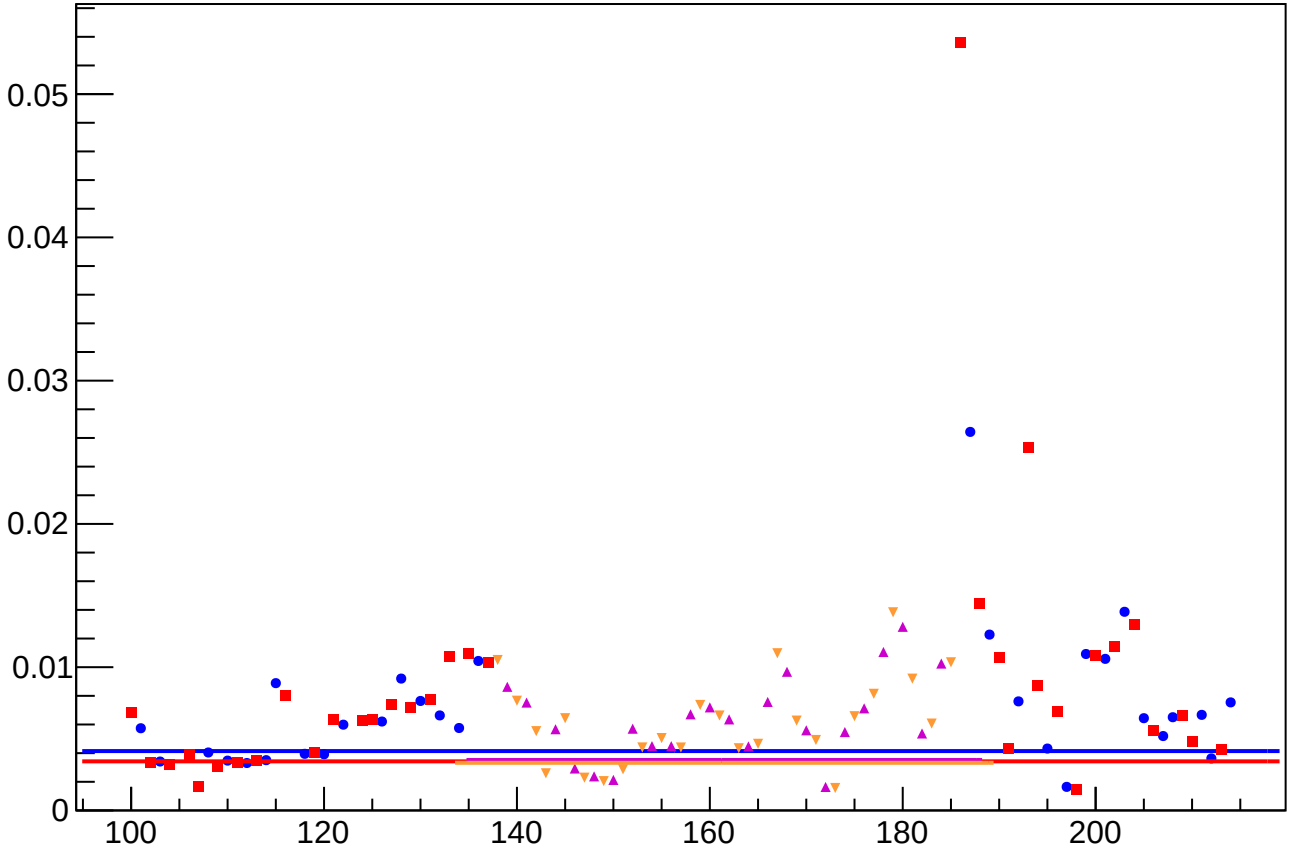
Right: 0.000+/-0.000 χ^2/NDF: 146.7/63

In: 0.000+/-0.000 χ^2/NDF:73.2/52

Out: -0.000+/-0.000 χ^2/NDF:152.9/58

All: -0.000+/-0.000 χ^2/NDF: 235.2/111

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

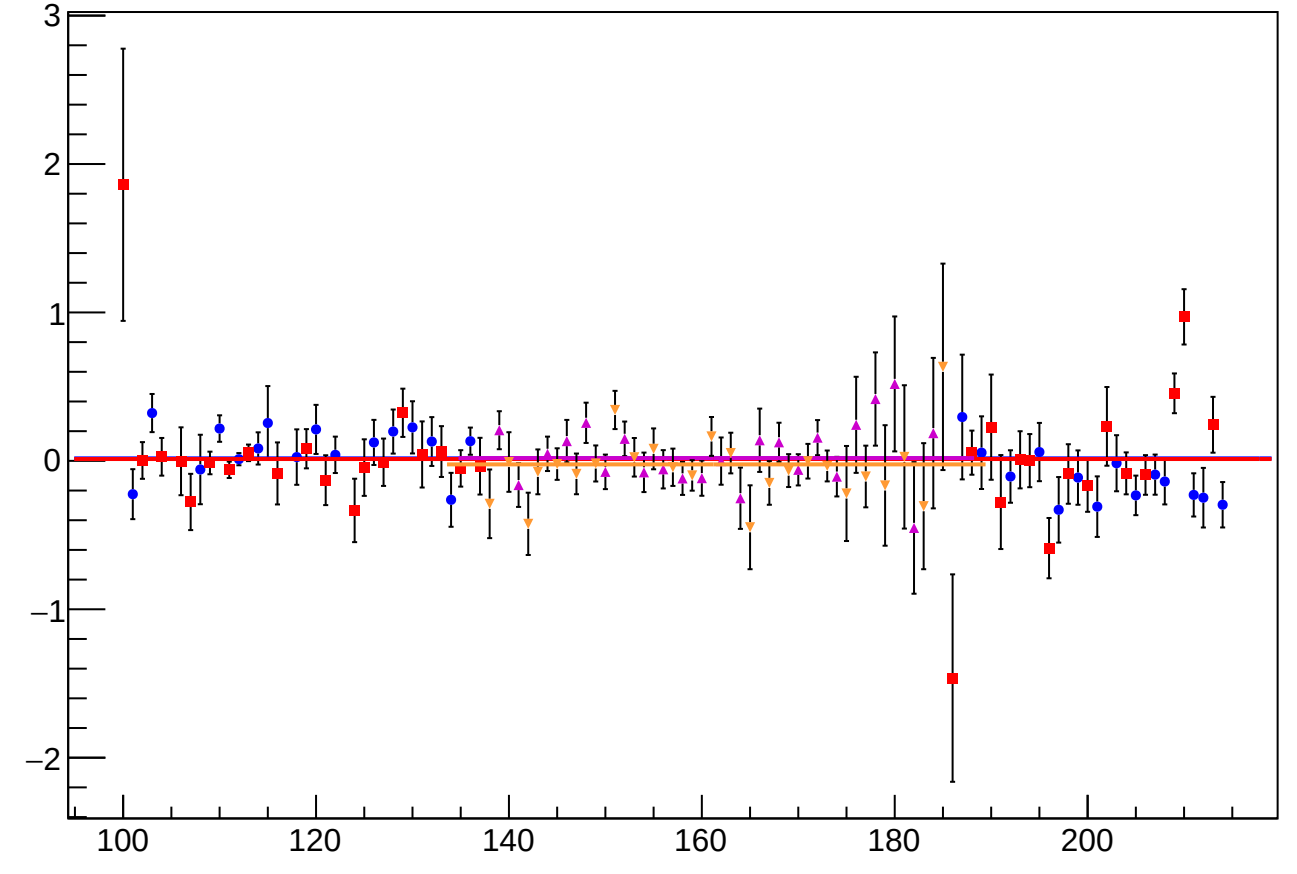
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.004+/-0.000 χ^2/NDF: 22443550.6/63

In: 0.004+/-0.000 χ^2/NDF:18457352.0/52

Out: 0.003+/-0.000 χ^2/NDF:23804153.0/58

All: 0.004+/-0.000 χ^2/NDF: 42602510.5/111



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

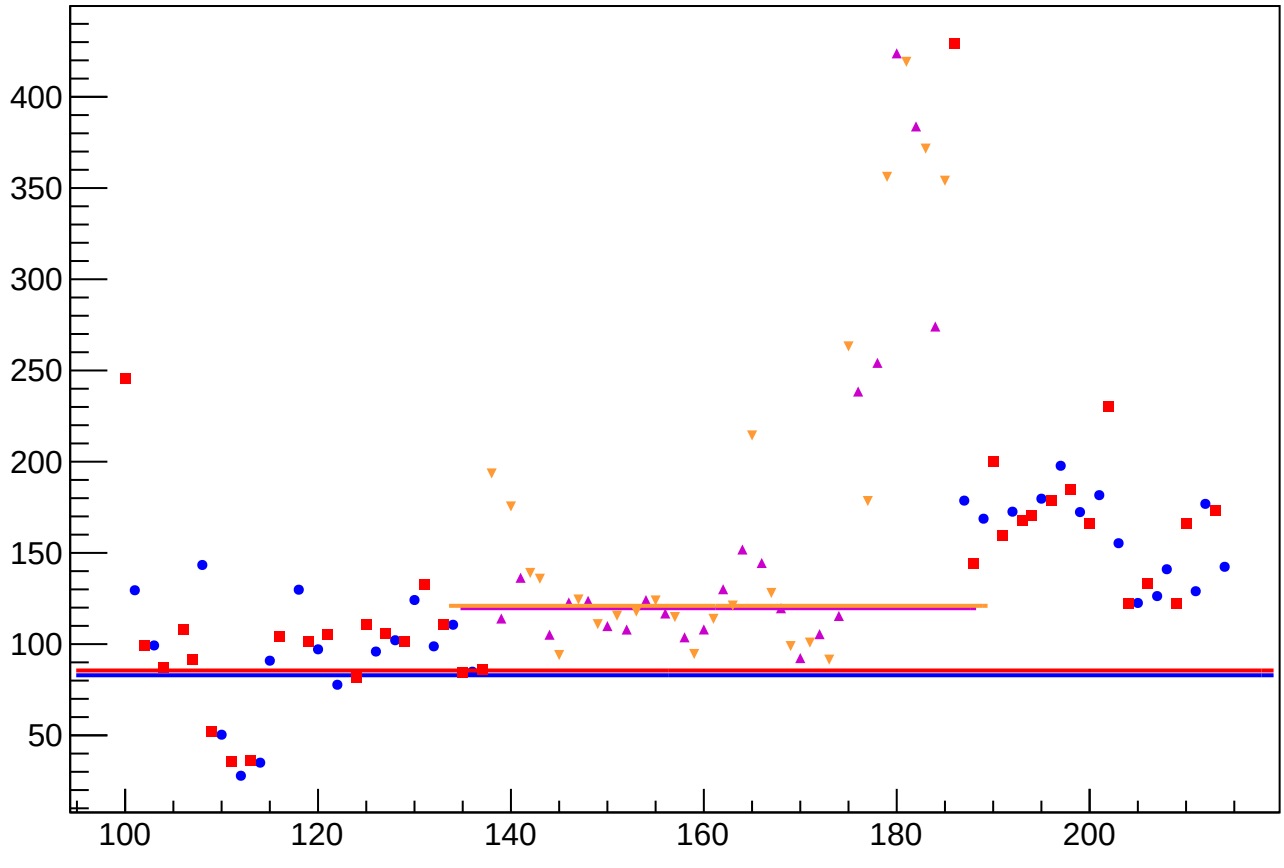
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.015+/-0.017 χ^2/NDF: 117.2/63

In: 0.017+/-0.019 χ^2/NDF:67.0/52

Out: -0.001+/-0.018 χ^2/NDF:96.4/58

All: 0.008+/-0.013 χ^2/NDF: 163.8/111



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

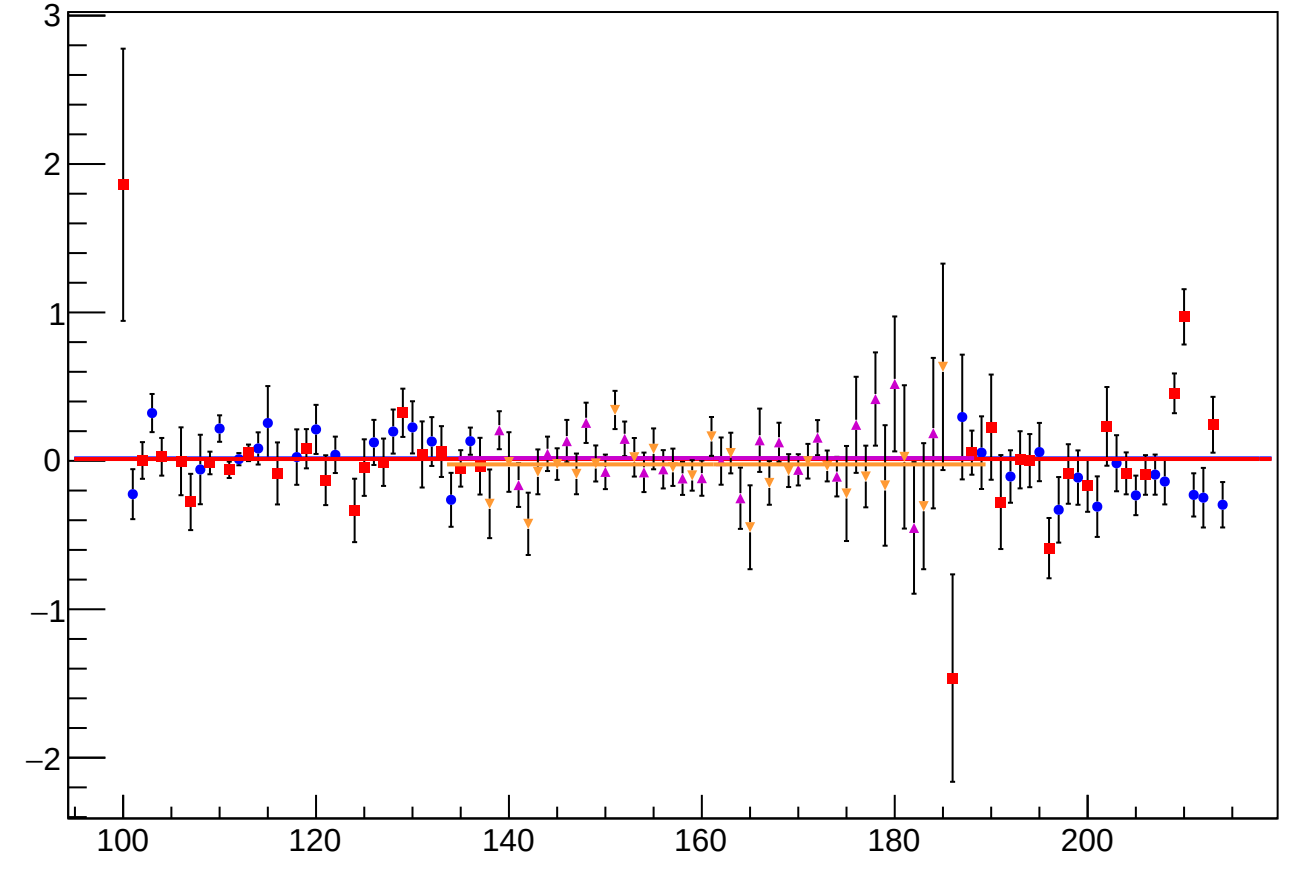
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 84.232+/-0.012 χ^2/NDF: 18867074.2/63

In: 96.722+/-0.013 χ^2/NDF:14352560.6/52

Out: 99.006+/-0.013 χ^2/NDF:15027262.5/58

All: 97.870+/-0.009 χ^2/NDF: 29395107.7/111



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

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

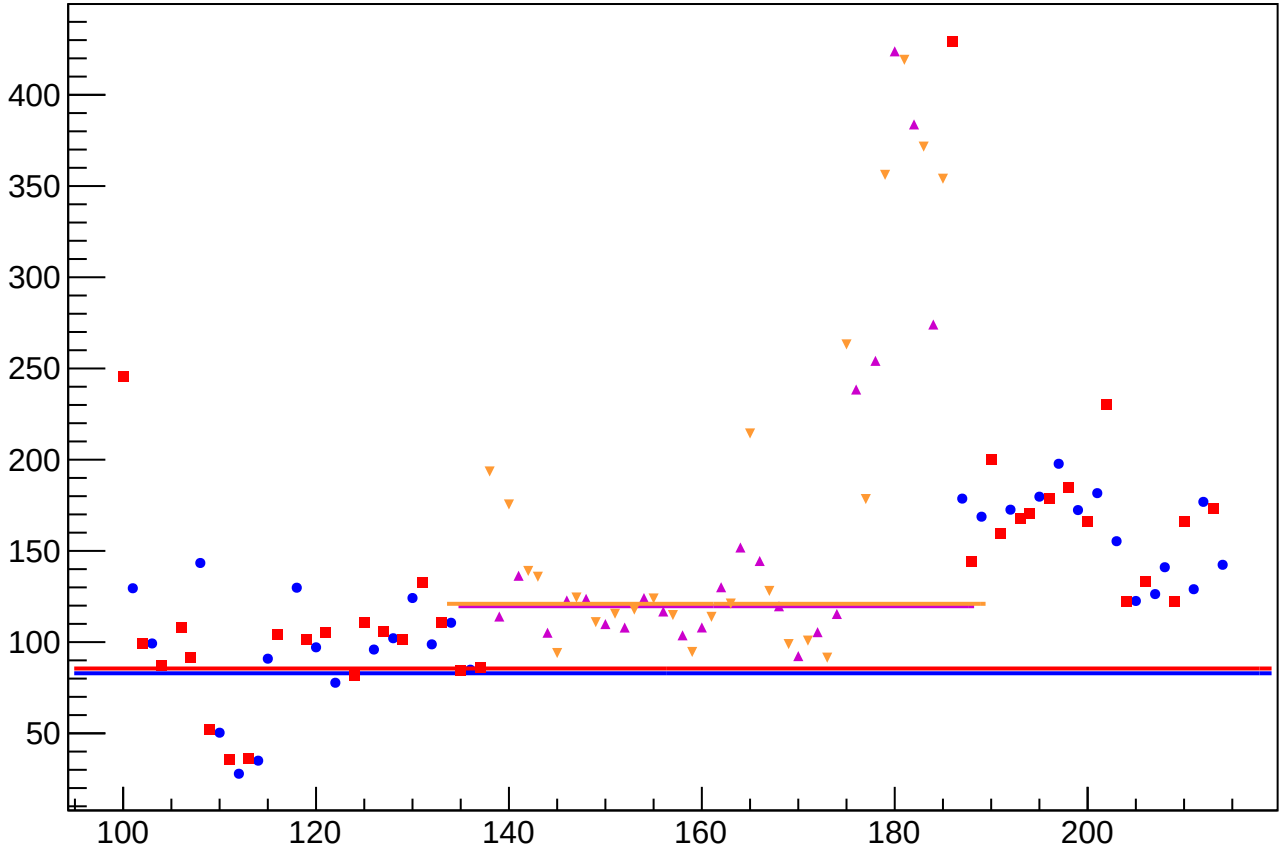
Right: 0.015+/-0.017 χ^2/NDF: 117.2/63

In: 0.017+/-0.019 χ^2/NDF:67.0/52

Out: -0.001+/-0.018 χ^2/NDF:96.4/58

All: 0.008+/-0.013 χ^2/NDF: 163.8/111

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

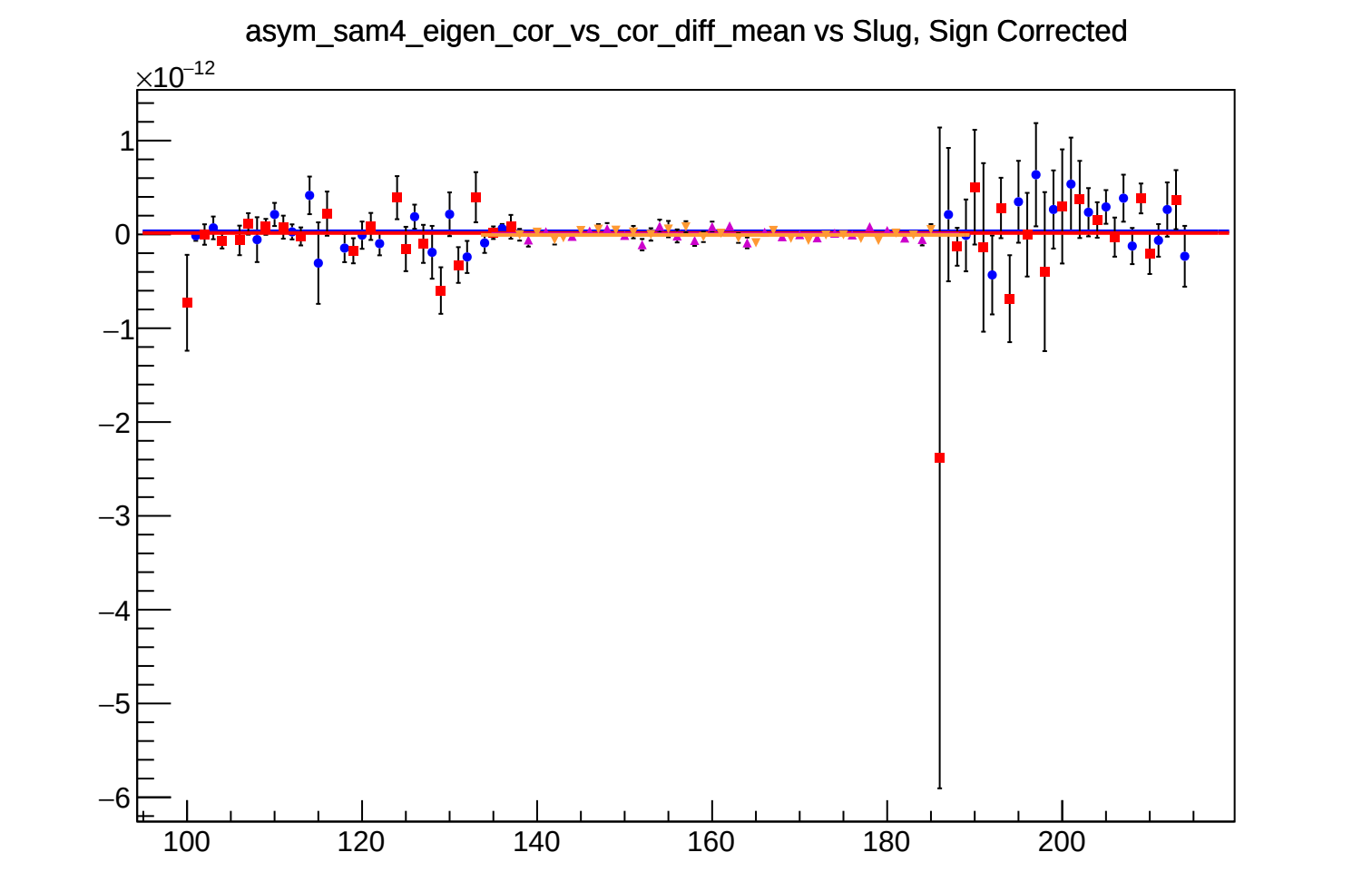
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 84.232+/-0.012 χ^2/NDF: 18867074.2/63

In: 96.722+/-0.013 χ^2/NDF:14352560.6/52

Out: 99.006+/-0.013 χ^2/NDF:15027262.5/58

All: 97.870+/-0.009 χ^2/NDF: 29395107.7/111



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

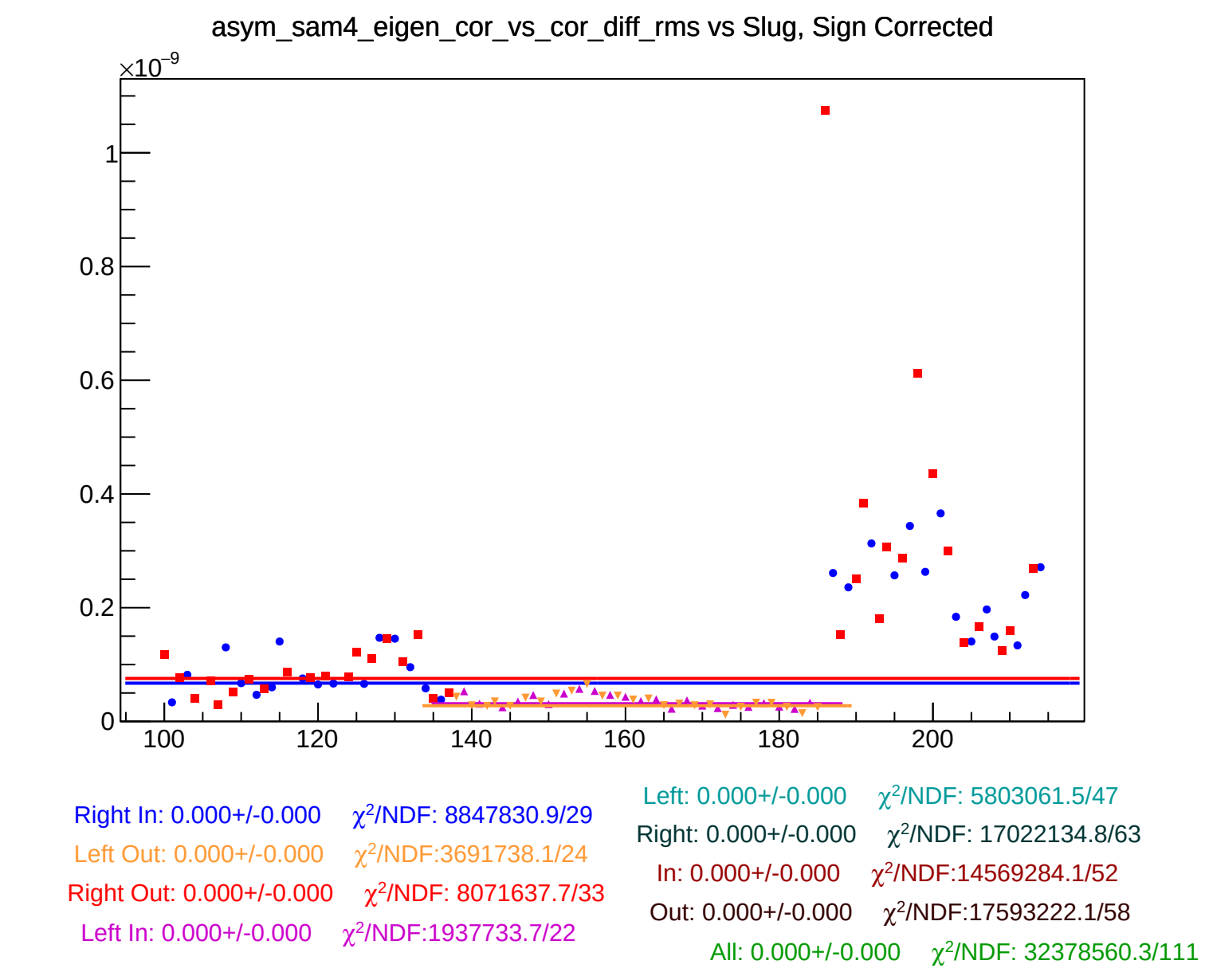
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 66.0/63

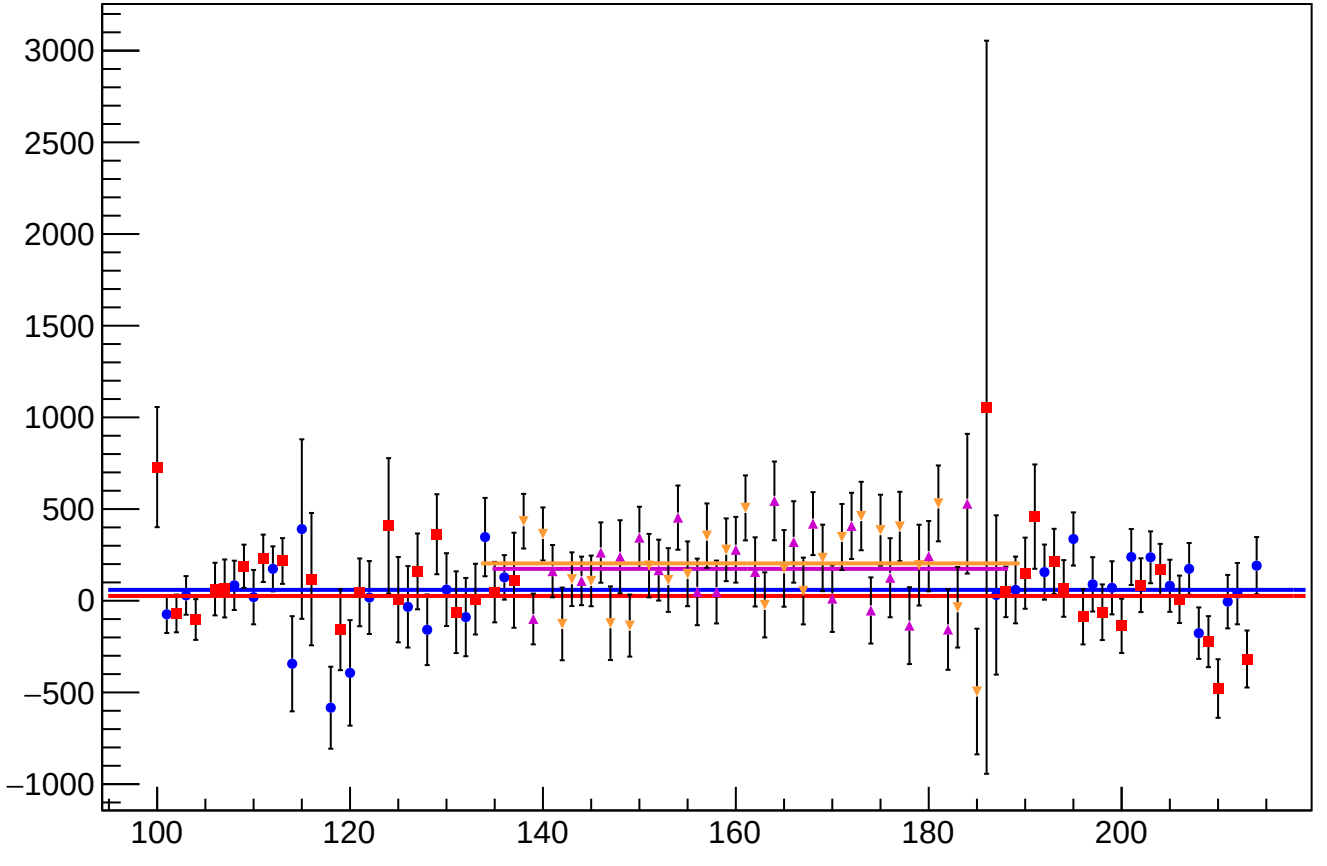
In: 0.000+/-0.000 χ^2/NDF:57.2/52

Out: -0.000+/-0.000 χ^2/NDF:60.2/58

All: 0.000+/-0.000 χ^2/NDF: 118.2/111


asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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: 8847830.9/29
Left Out: 0.000+/-0.000 χ²/NDF:3691738.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 8071637.7/33
Left In: 0.000+/-0.000 χ²/NDF:1937733.7/22
Left: 0.000+/-0.000 χ²/NDF: 5803061.5/47
Right: 0.000+/-0.000 χ²/NDF: 17022134.8/63
In: 0.000+/-0.000 χ²/NDF:14569284.1/52
Out: 0.000+/-0.000 χ²/NDF:17593222.1/58
All: 0.000+/-0.000 χ²/NDF: 32378560.3/111

reg_asym_sam5_mean vs Slug, Sign Corrected



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

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

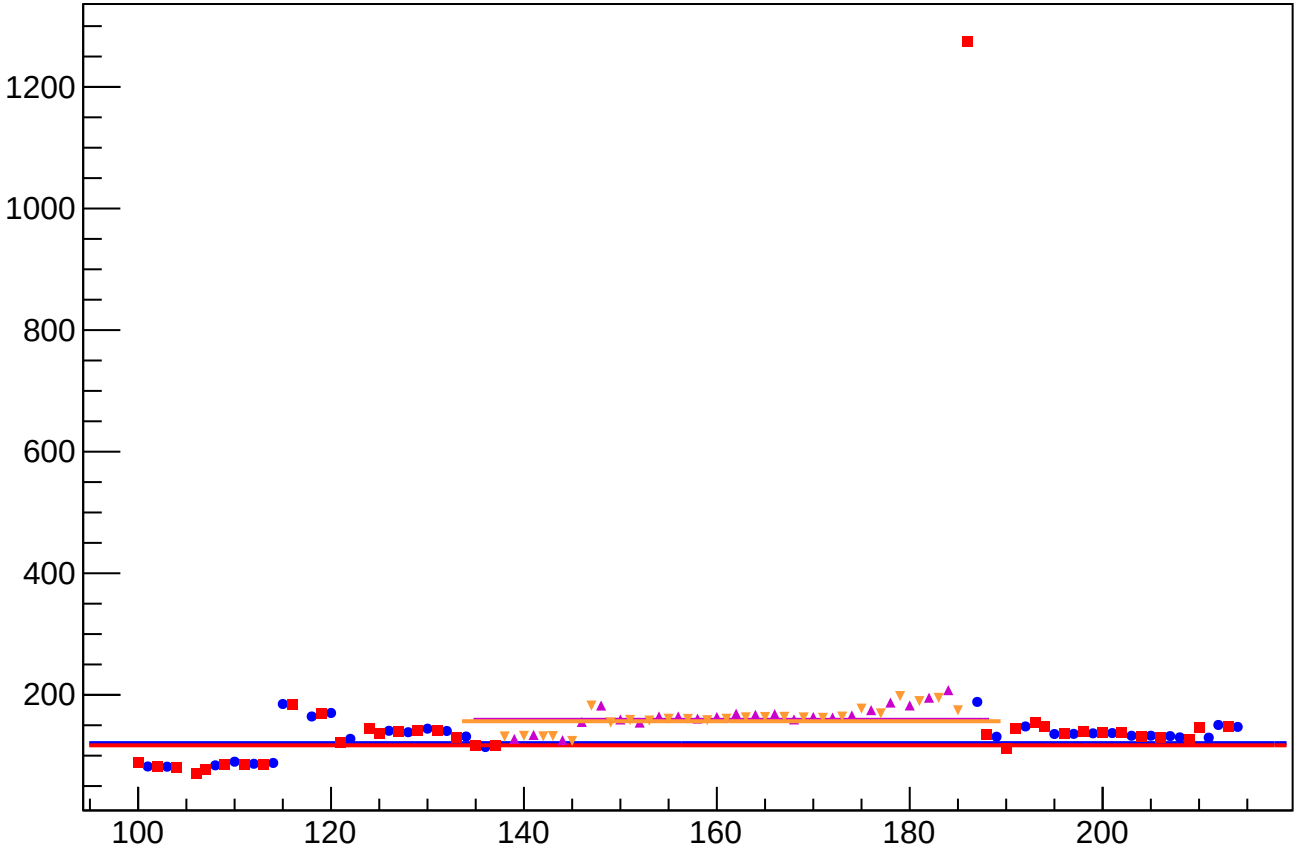
Right: 42.299+/-20.058 χ^2/NDF: 76.9/63

In: 102.137+/-22.841 χ^2/NDF:62.4/52

Out: 93.188+/-22.031 χ^2/NDF:92.4/58

All: 97.501+/-15.857 χ^2/NDF: 154.9/111

reg_asym_sam5_rms vs Slug, Sign Corrected



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

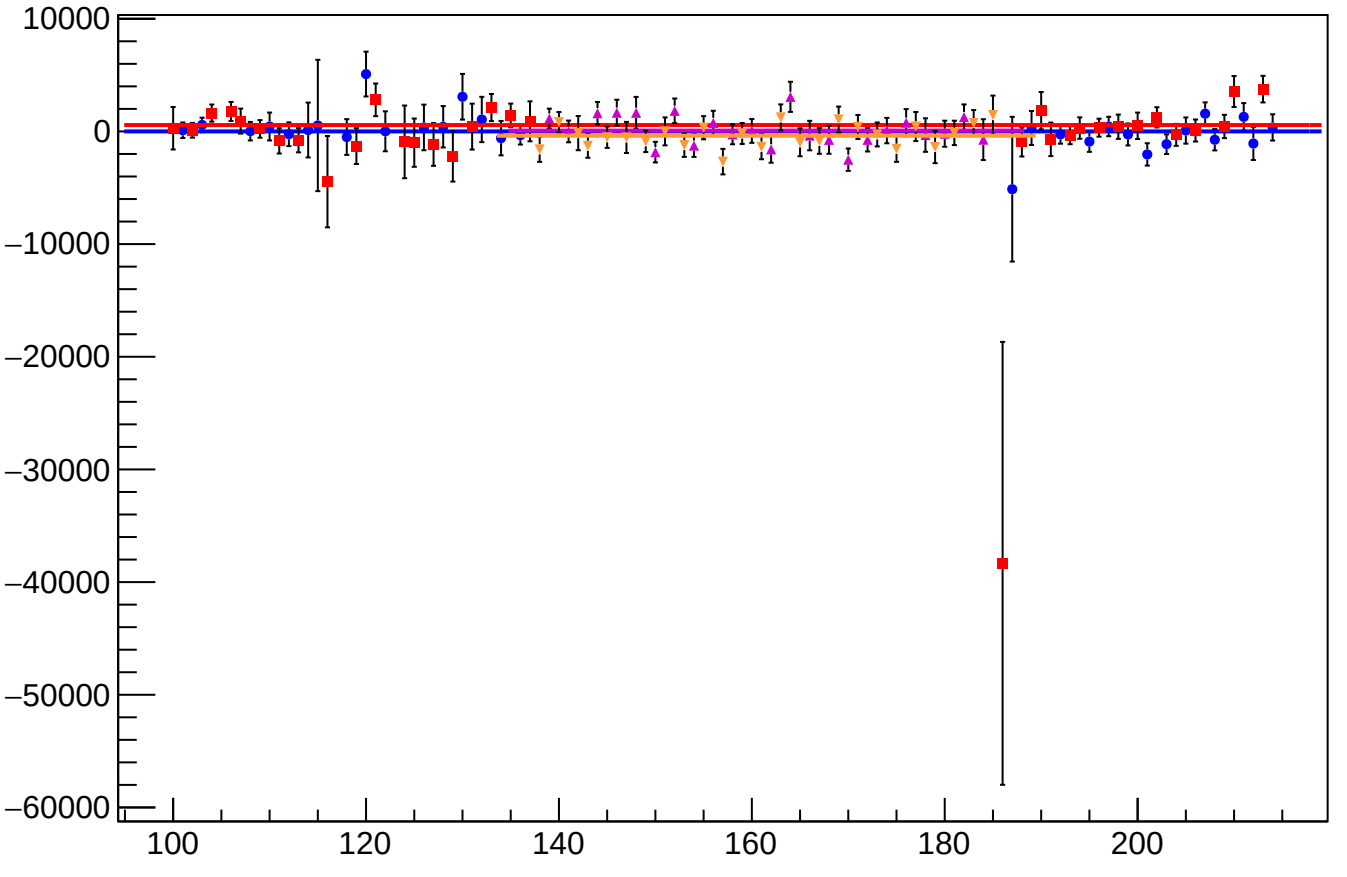
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 118.742+/-0.014 χ^2/NDF: 4369437.8/63

In: 134.888+/-0.016 χ^2/NDF:3461959.1/52

Out: 131.958+/-0.016 χ^2/NDF:4824507.3/58

All: 133.370+/-0.011 χ^2/NDF: 8303520.7/111



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

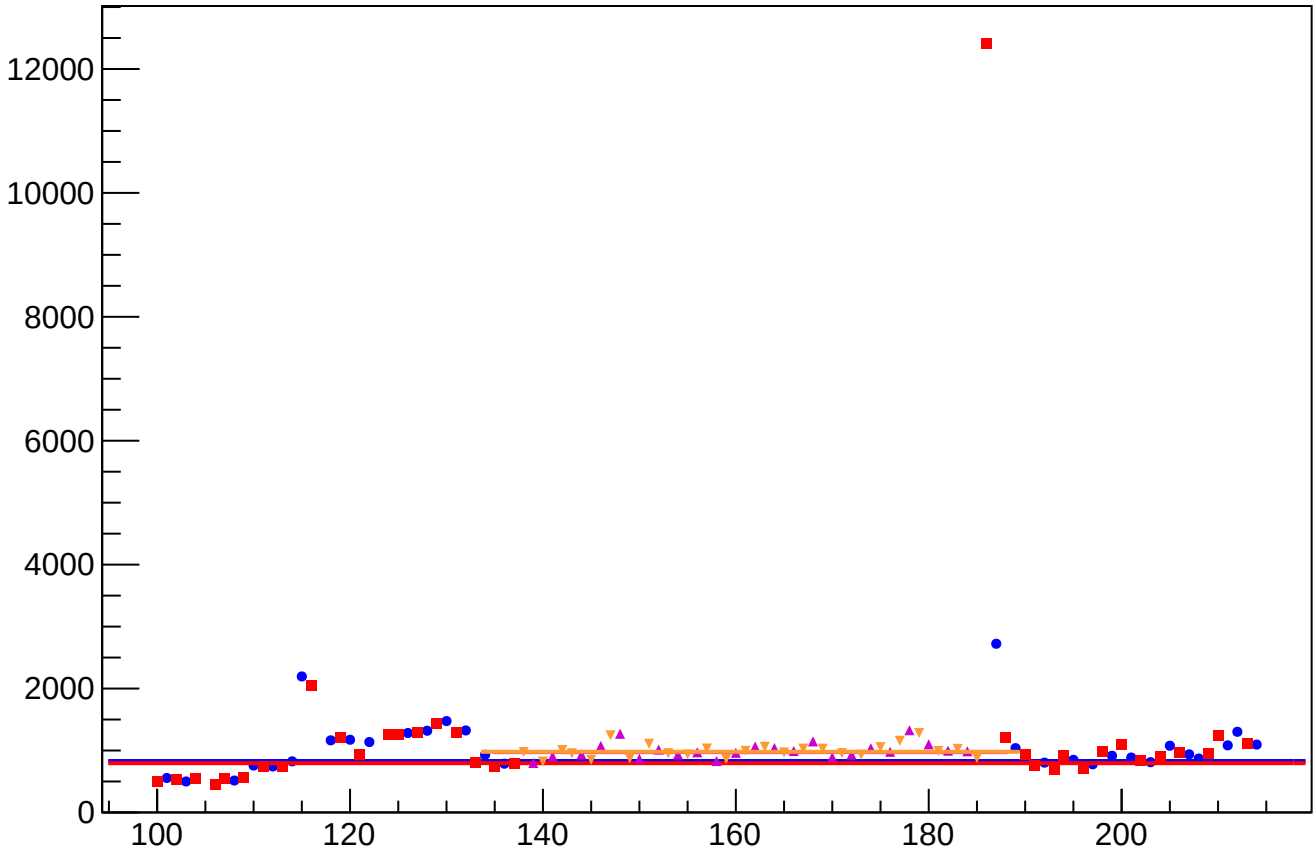
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 297.674+/-140.487 χ^2/NDF: 67.9/63

In: 33.968+/-152.326 χ^2/NDF:56.5/52

Out: 161.383+/-146.900 χ^2/NDF:69.4/58

All: 99.985+/-105.740 χ^2/NDF: 126.3/111



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

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

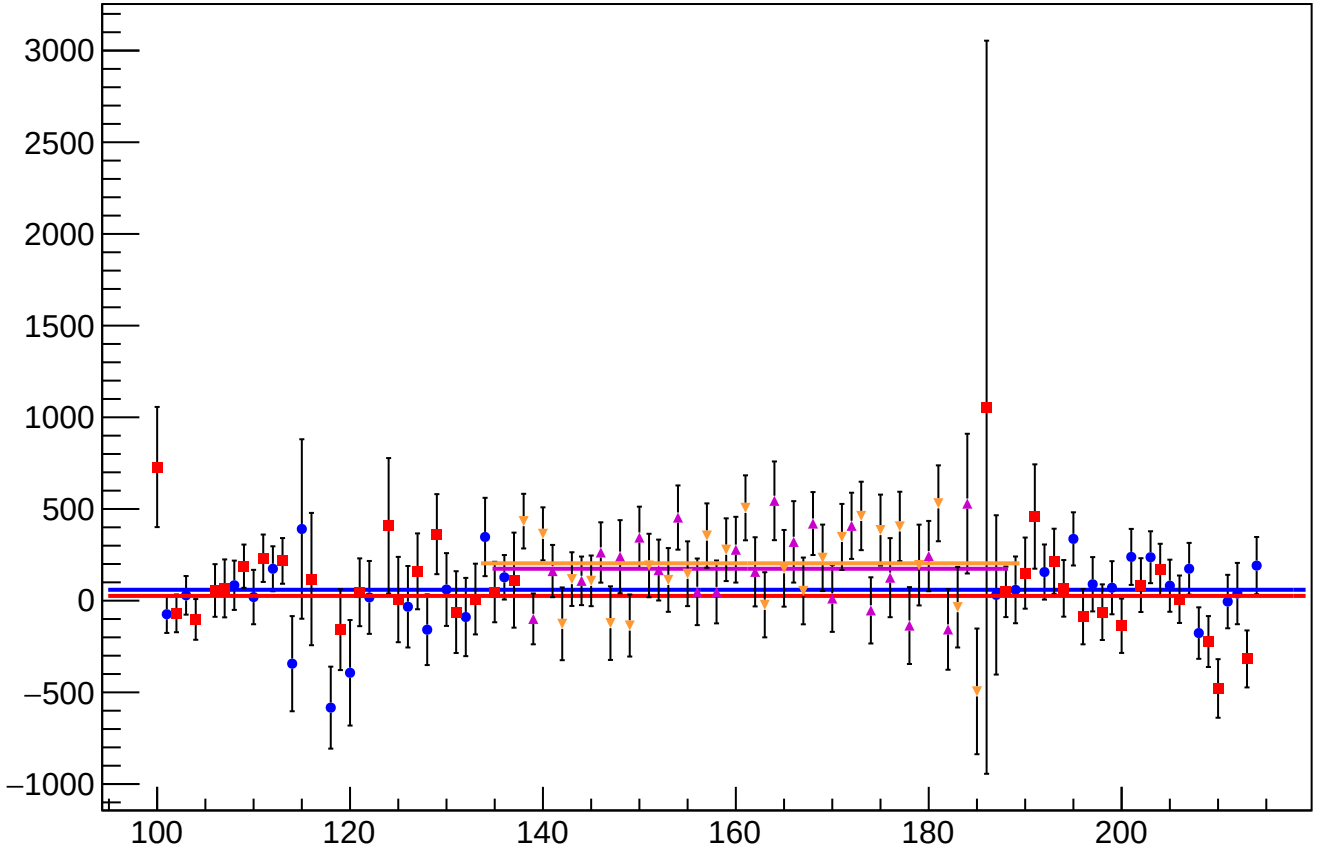
Right: 812.013+/-0.099 χ^2/NDF: 6675319.0/63

In: 893.312+/-0.108 χ^2/NDF:3745032.8/52

Out: 874.041+/-0.104 χ^2/NDF:5031524.3/58

All: 883.327+/-0.075 χ^2/NDF: 8793142.7/11

cor_asym_sam5_mean vs Slug, Sign Corrected



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

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

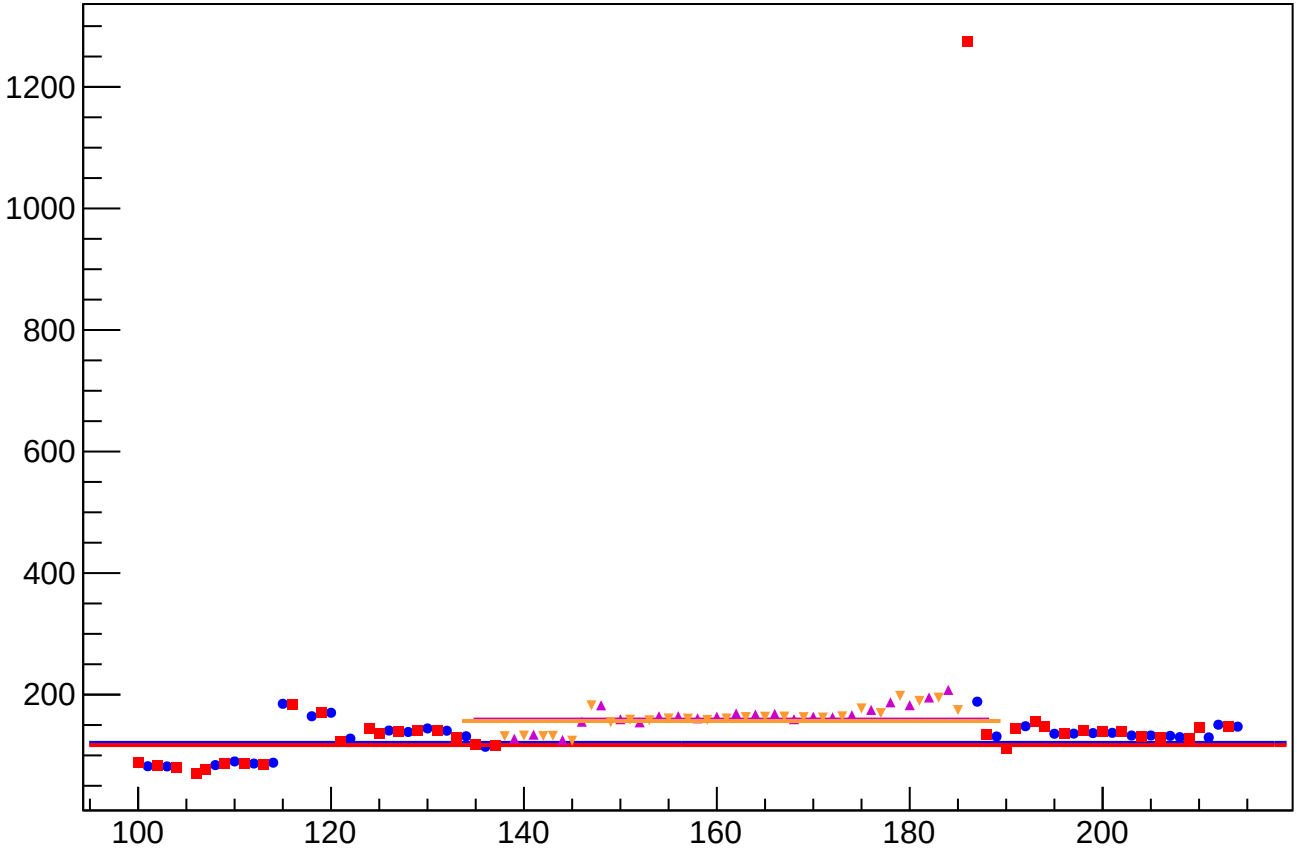
Right: 42.149+/-20.058 χ^2/NDF: 76.9/63

In: 102.137+/-22.841 χ^2/NDF:62.4/52

Out: 93.014+/-22.031 χ^2/NDF:92.4/58

All: 97.411+/-15.857 χ^2/NDF: 154.9/111

cor_asym_sam5_rms vs Slug, Sign Corrected



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

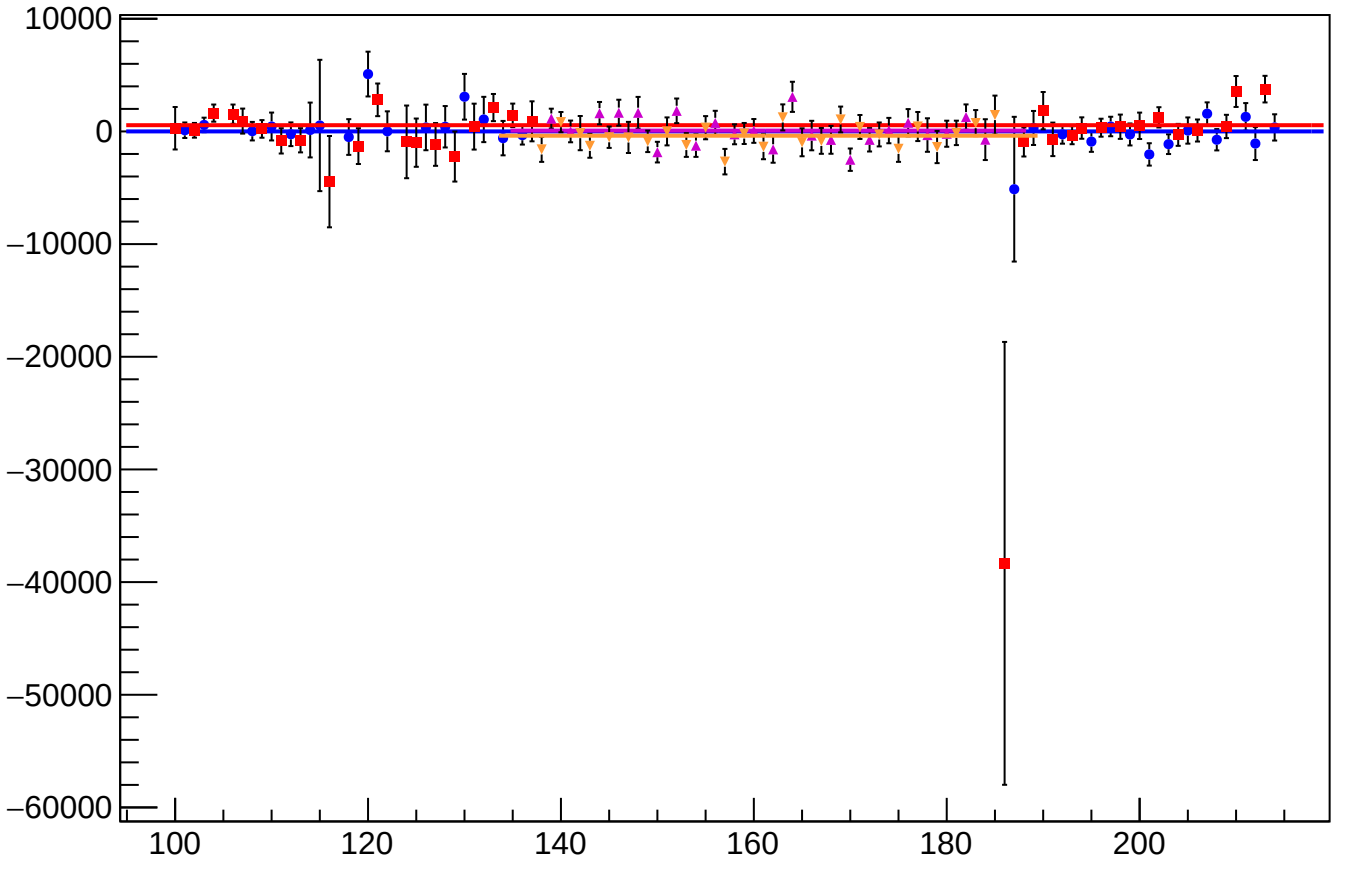
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 118.736+/-0.014 χ^2/NDF: 4372830.0/63

In: 134.888+/-0.016 χ^2/NDF:3461957.1/52

Out: 131.952+/-0.016 χ^2/NDF:4828645.2/58

All: 133.367+/-0.011 χ^2/NDF: 8307732.2/111



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

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

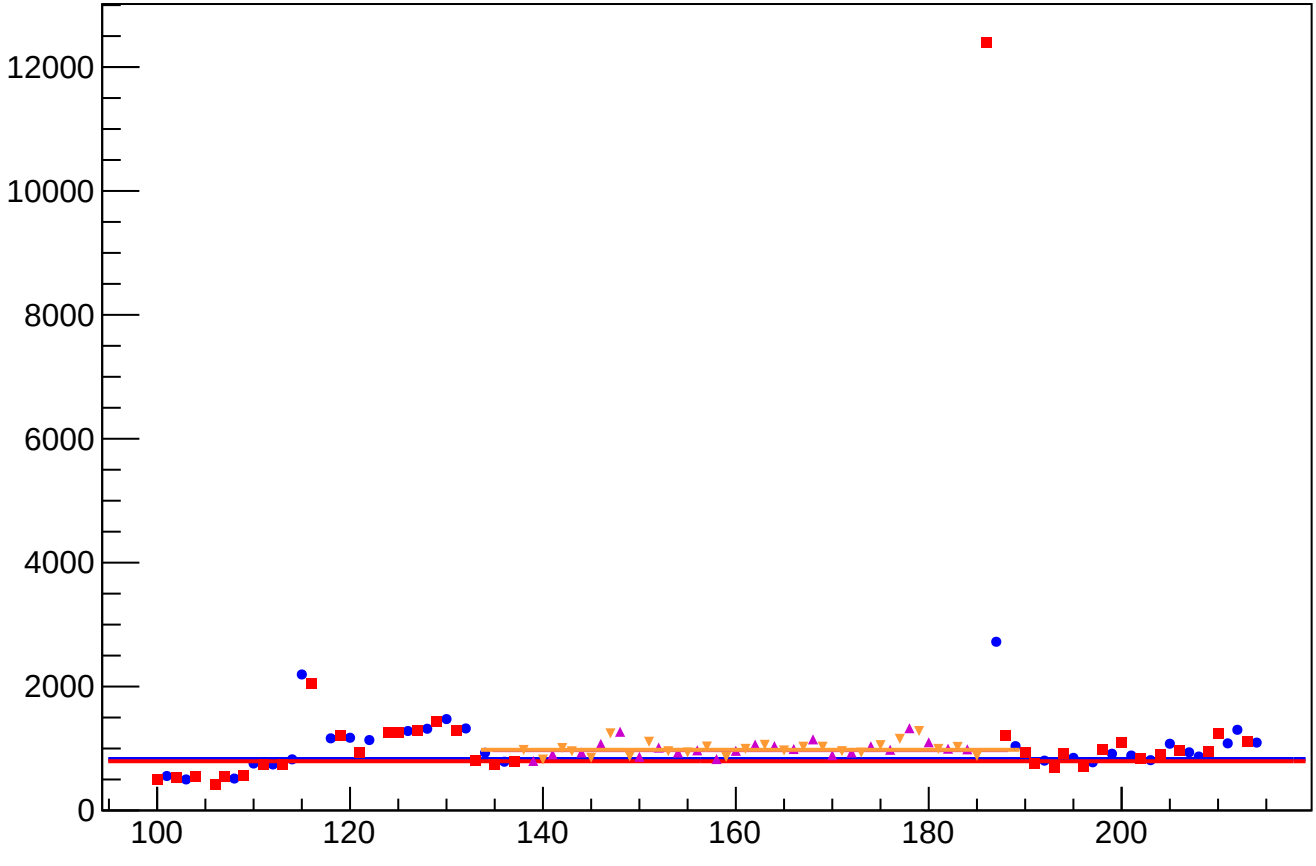
Right: 290.587+/-140.512 χ^2/NDF: 67.0/63

In: 33.969+/-152.326 χ^2/NDF:56.5/52

Out: 153.585+/-146.929 χ^2/NDF:68.3/58

All: 95.933+/-105.751 χ^2/NDF: 125.2/111

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



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

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

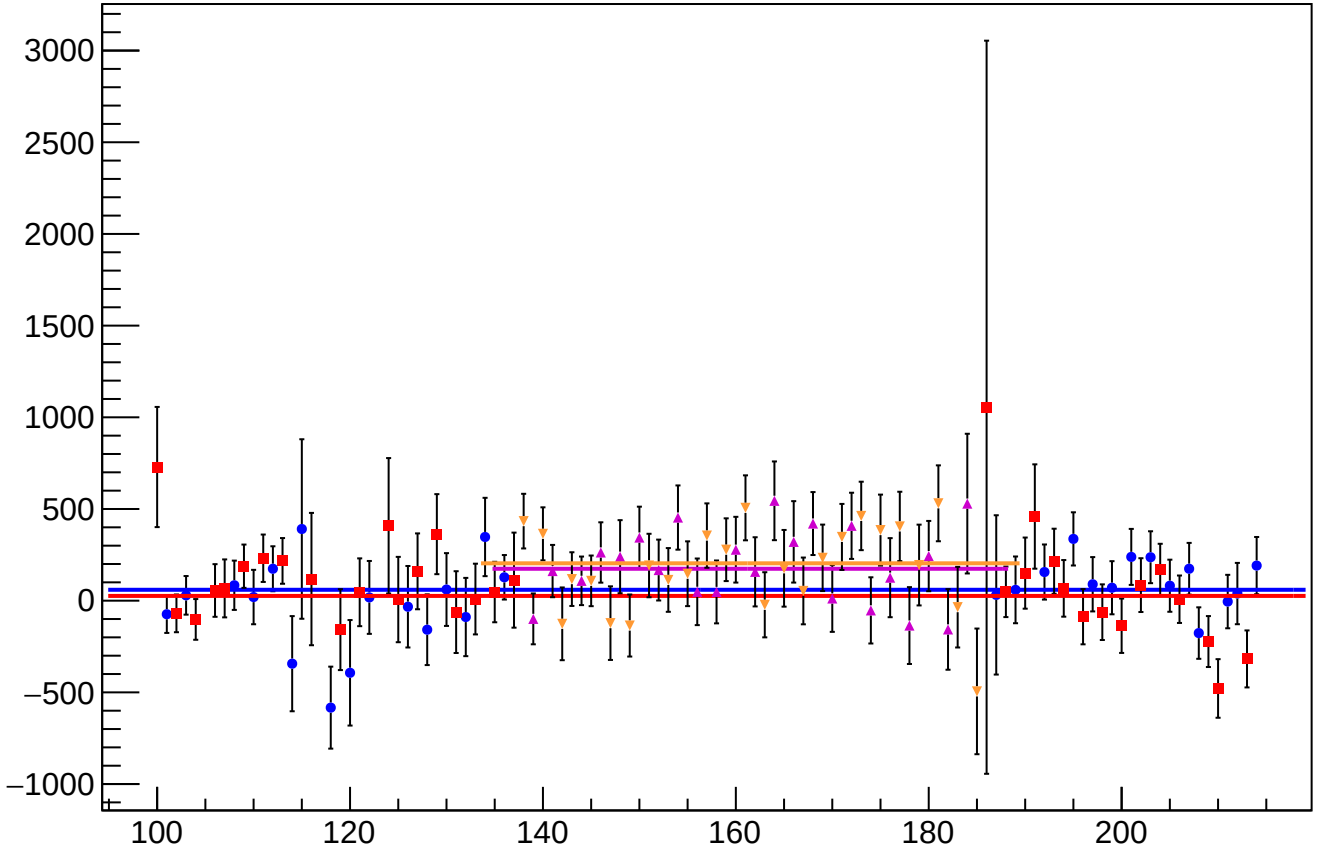
Right: 811.481+/-0.099 χ^2/NDF: 6720769.8/63

In: 893.312+/-0.108 χ^2/NDF:3745039.7/52

Out: 873.484+/-0.104 χ^2/NDF:5083510.6/58

All: 883.041+/-0.075 χ^2/NDF: 8846104.3/111

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



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

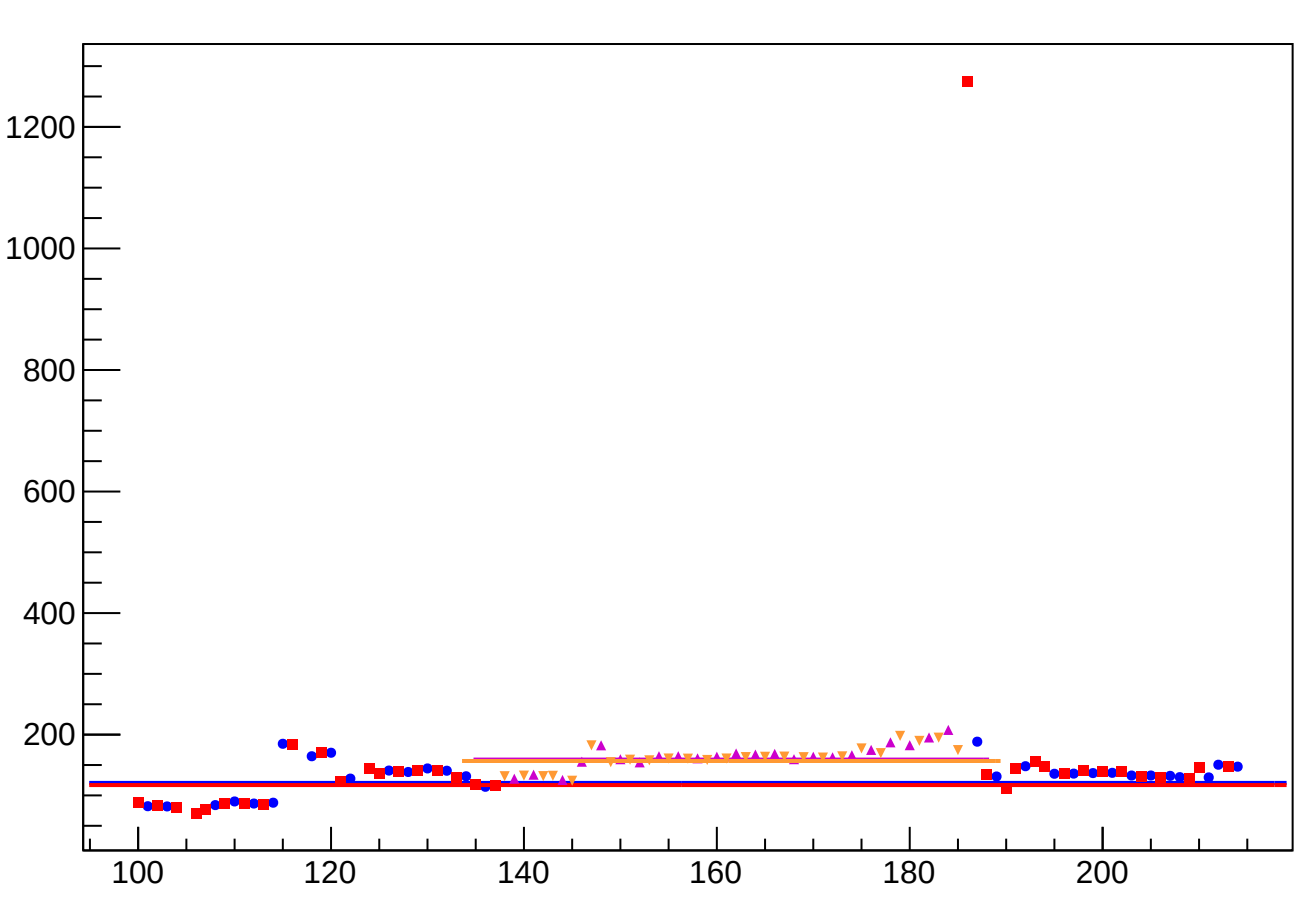
Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

Right: 42.149+/-20.058 χ^2/NDF: 76.9/63

In: 102.137+/-22.841 χ^2/NDF:62.4/52

Out: 93.014+/-22.031 χ^2/NDF:92.4/58

All: 97.411+/-15.857 χ^2/NDF: 154.9/111



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

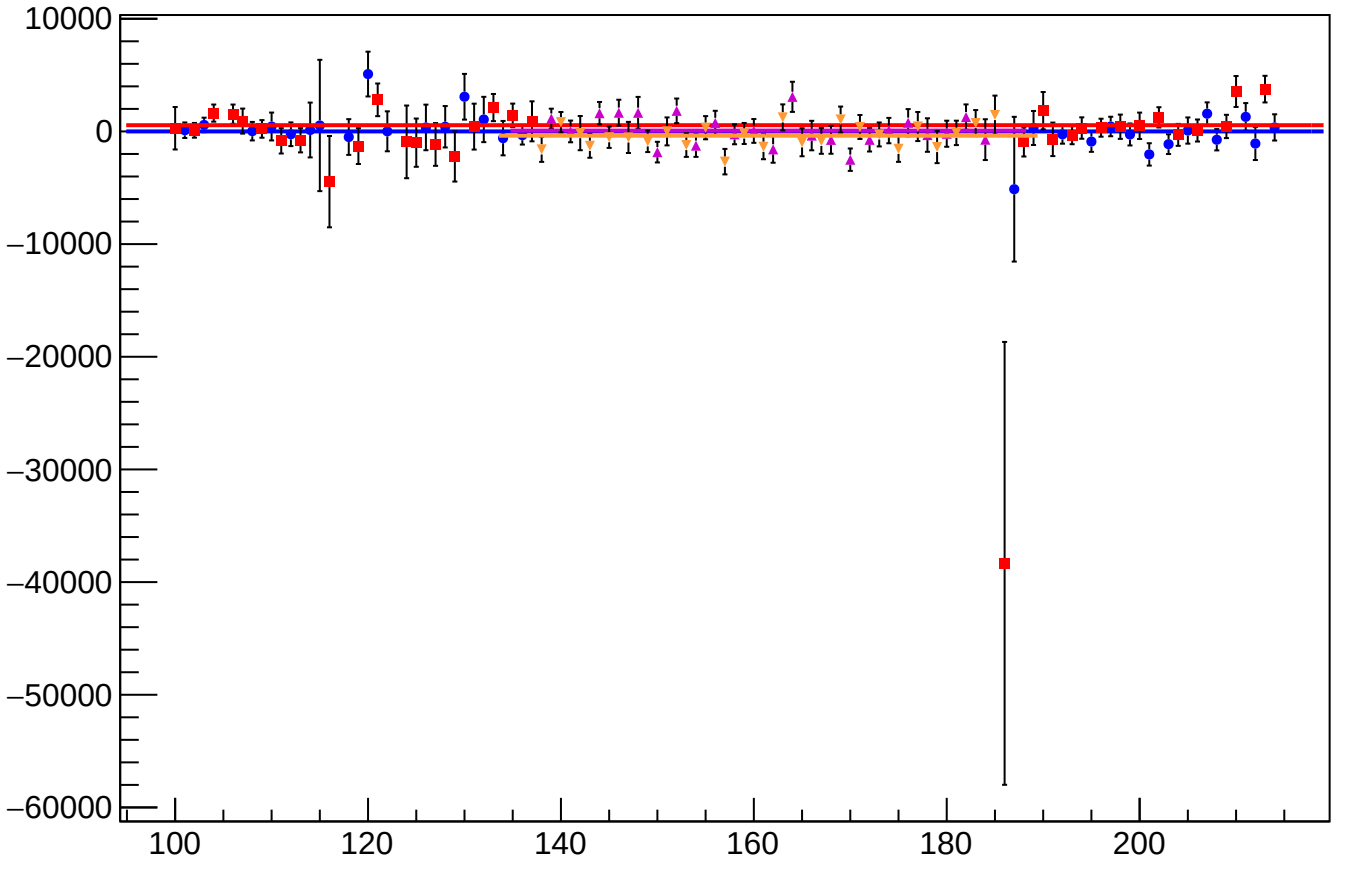
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 118.736+/-0.014 χ^2/NDF: 4372830.0/63

In: 134.888+/-0.016 χ^2/NDF:3461957.1/52

Out: 131.952+/-0.016 χ^2/NDF:4828645.2/58

All: 133.367+/-0.011 χ^2/NDF: 8307732.2/111



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

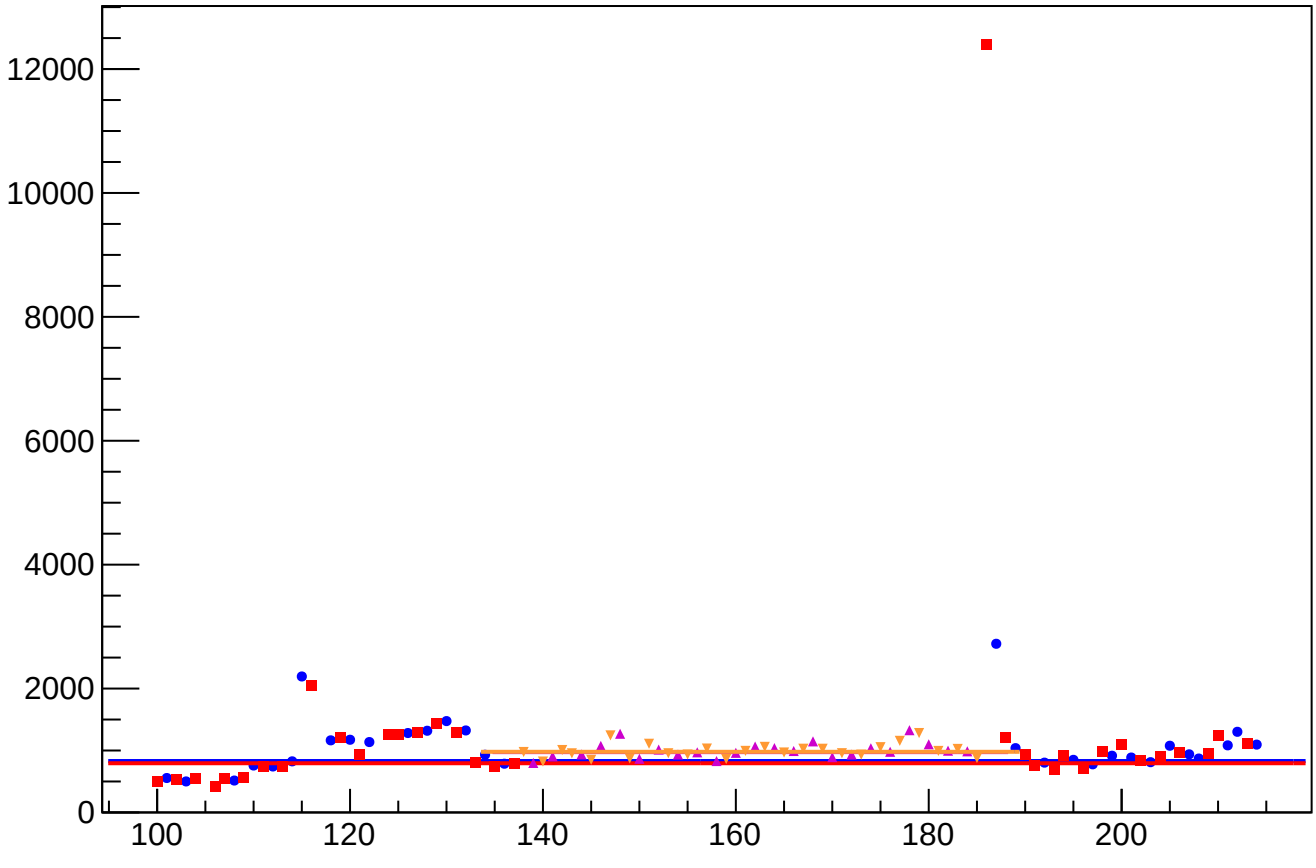
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 290.587+/-140.512 χ^2/NDF: 67.0/63

In: 33.969+/-152.326 χ^2/NDF:56.5/52

Out: 153.585+/-146.929 χ^2/NDF:68.3/58

All: 95.933+/-105.751 χ^2/NDF: 125.2/111



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

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

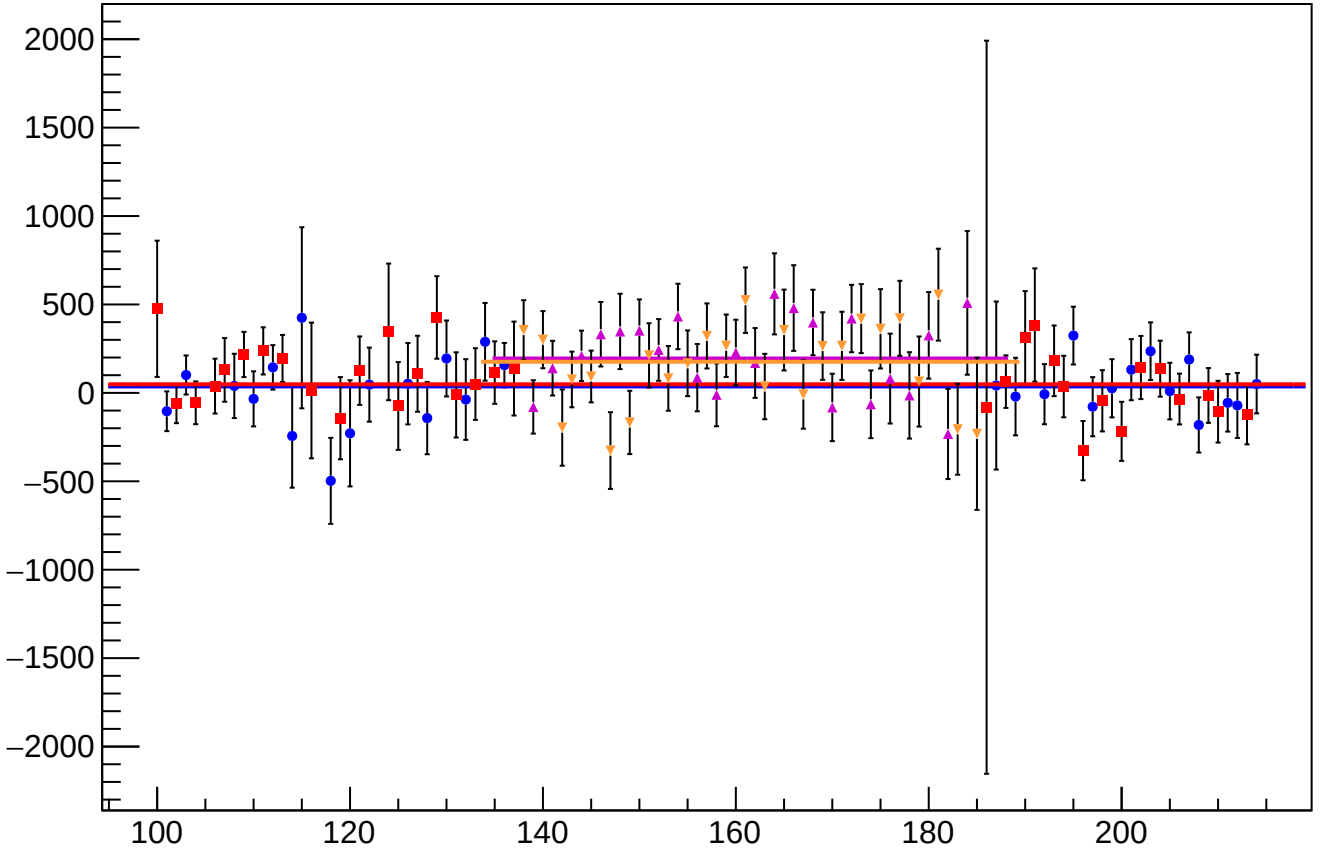
Right: 811.481+/-0.099 χ^2/NDF: 6720769.8/63

In: 893.312+/-0.108 χ^2/NDF:3745039.7/52

Out: 873.484+/-0.104 χ^2/NDF:5083510.6/58

All: 883.041+/-0.075 χ^2/NDF: 8846104.3/111

dit_asym_sam5_mean vs Slug, Sign Corrected



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

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

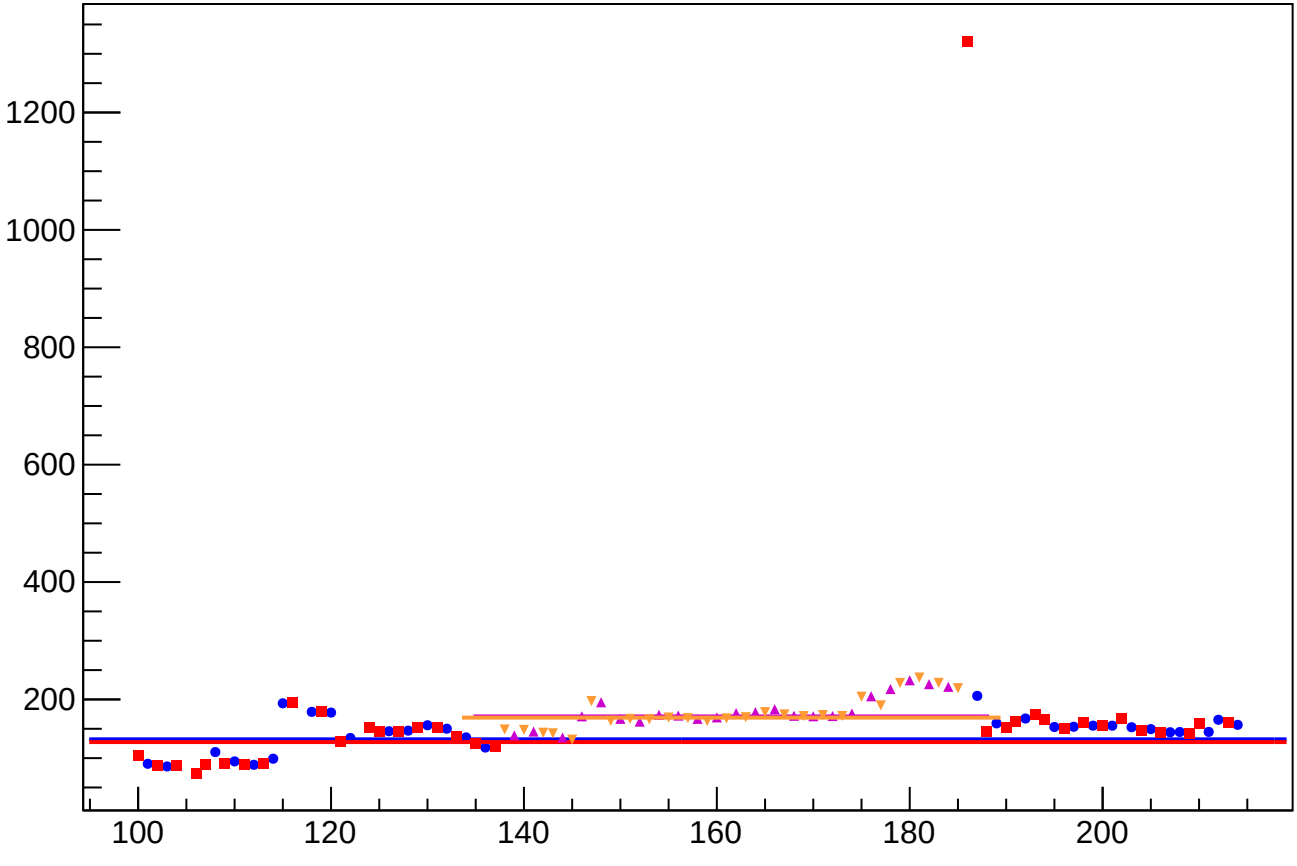
Right: 42.723+/-21.994 χ^2/NDF: 48.9/63

In: 96.616+/-24.921 χ^2/NDF:56.0/52

Out: 97.272+/-24.020 χ^2/NDF:63.6/58

All: 96.956+/-17.294 χ^2/NDF: 119.6/111

dit_asym_sam5_rms vs Slug, Sign Corrected



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

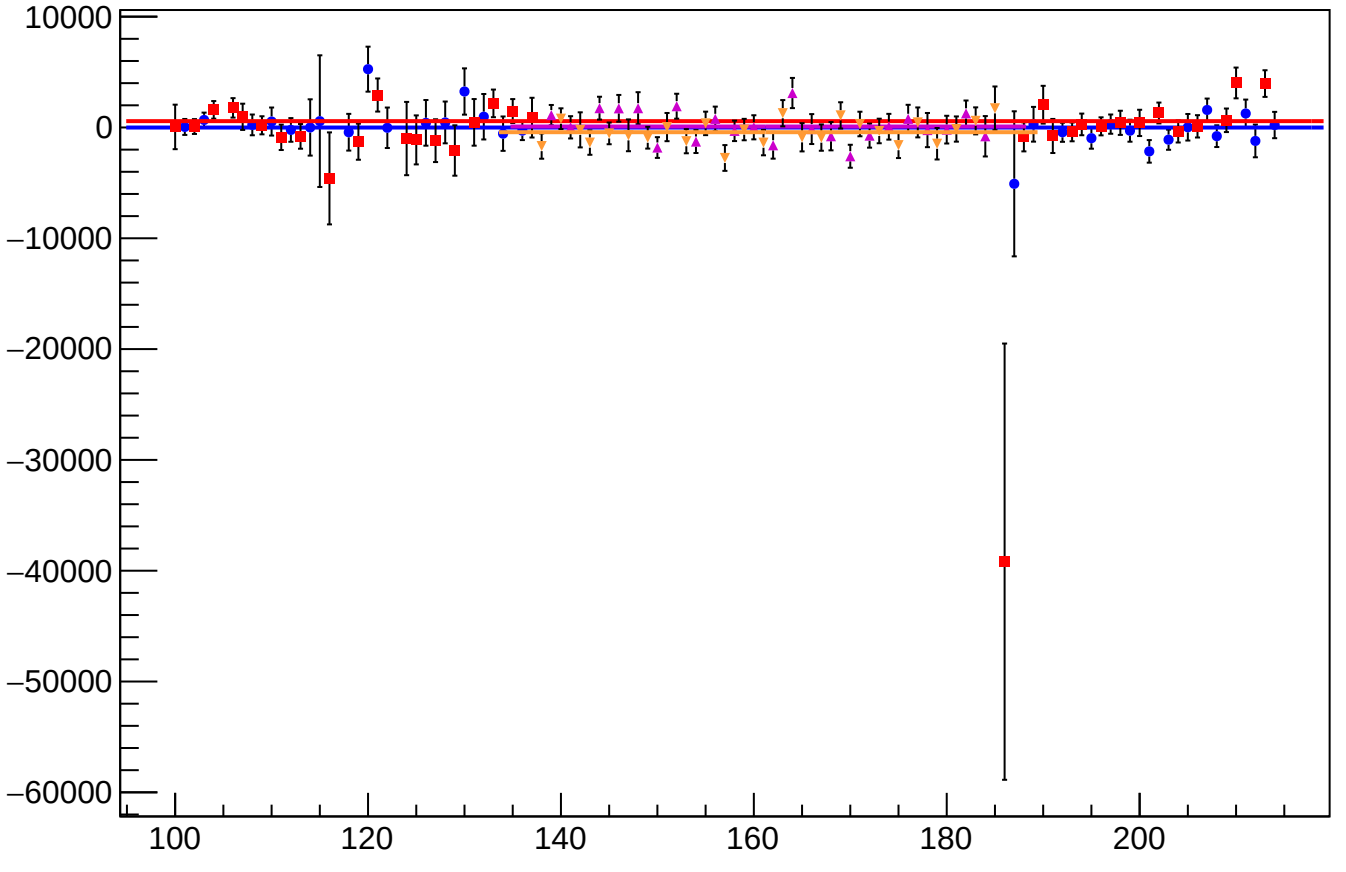
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 129.626+/-0.016 χ^2/NDF: 4789584.8/63

In: 146.869+/-0.018 χ^2/NDF:3607516.7/52

Out: 143.316+/-0.017 χ^2/NDF:5184924.9/58

All: 145.027+/-0.012 χ^2/NDF: 8813515.6/11



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

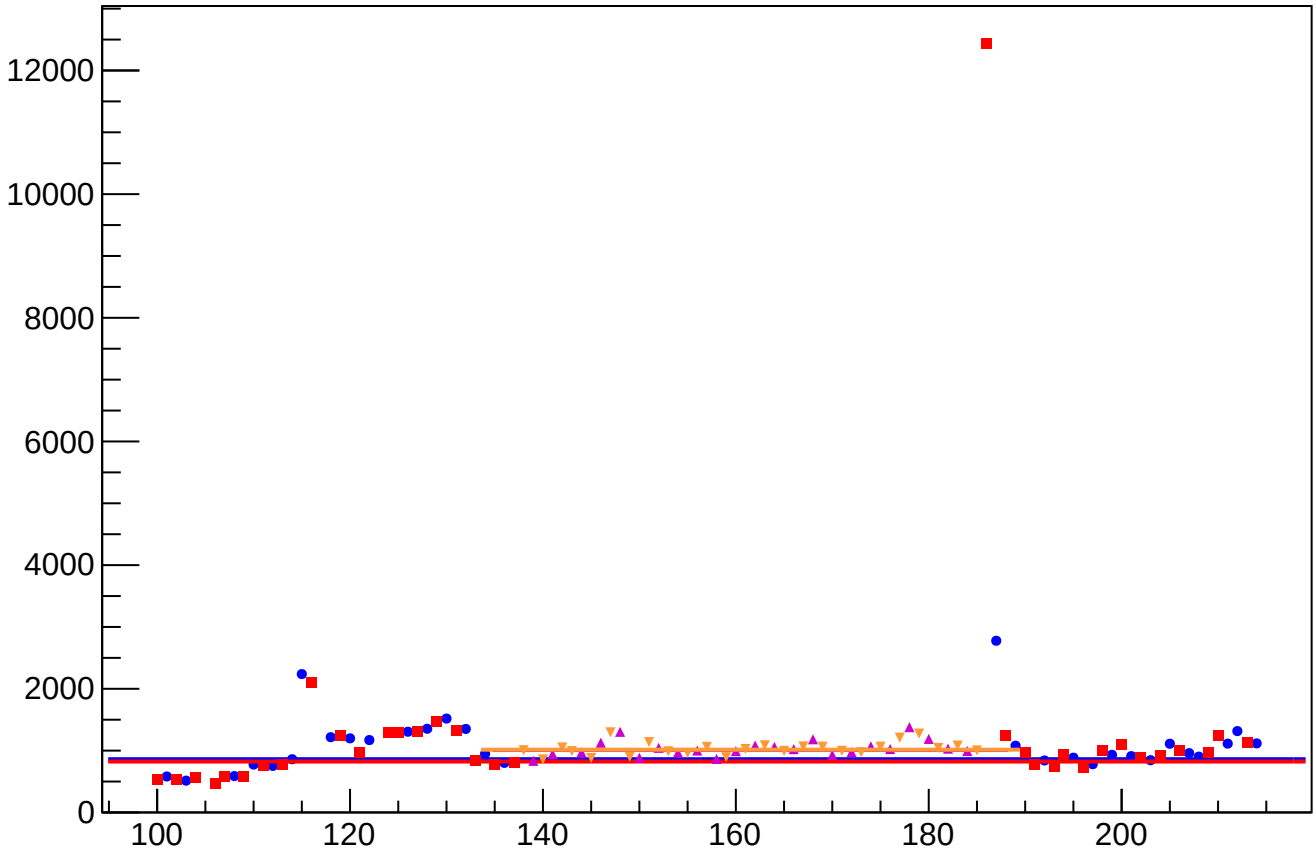
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 296.645+/-145.104 χ^2/NDF: 70.5/63

In: 34.934+/-157.661 χ^2/NDF:56.4/52

Out: 146.023+/-151.821 χ^2/NDF:71.6/58

All: 92.574+/-109.360 χ^2/NDF: 128.2/111



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

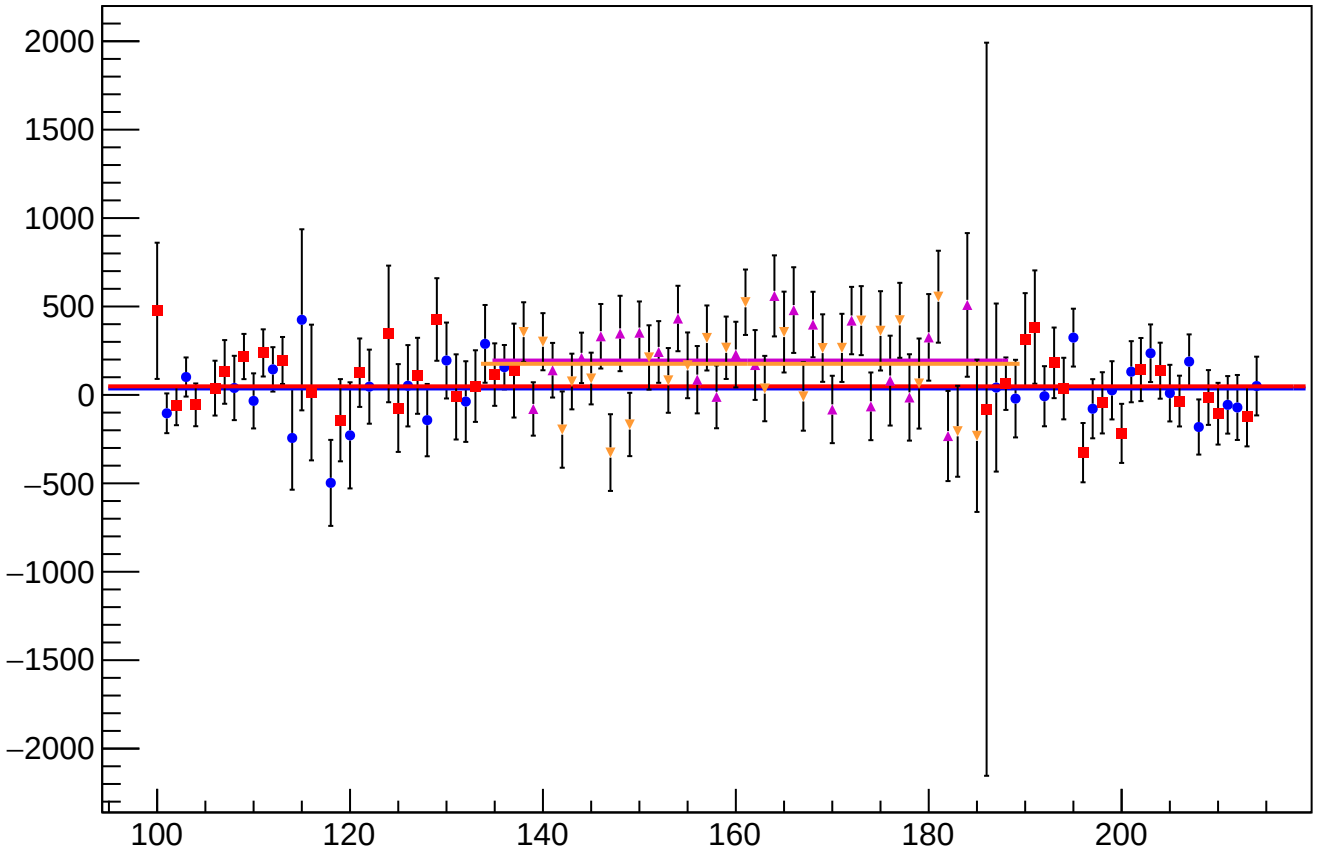
Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

Right: 841.463+/-0.103 χ^2/NDF: 6358685.2/63

In: 926.328+/-0.111 χ^2/NDF:3572204.5/52

Out: 905.104+/-0.107 χ^2/NDF:4864264.7/58

All: 915.316+/-0.077 χ^2/NDF: 8455274.1/111



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

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

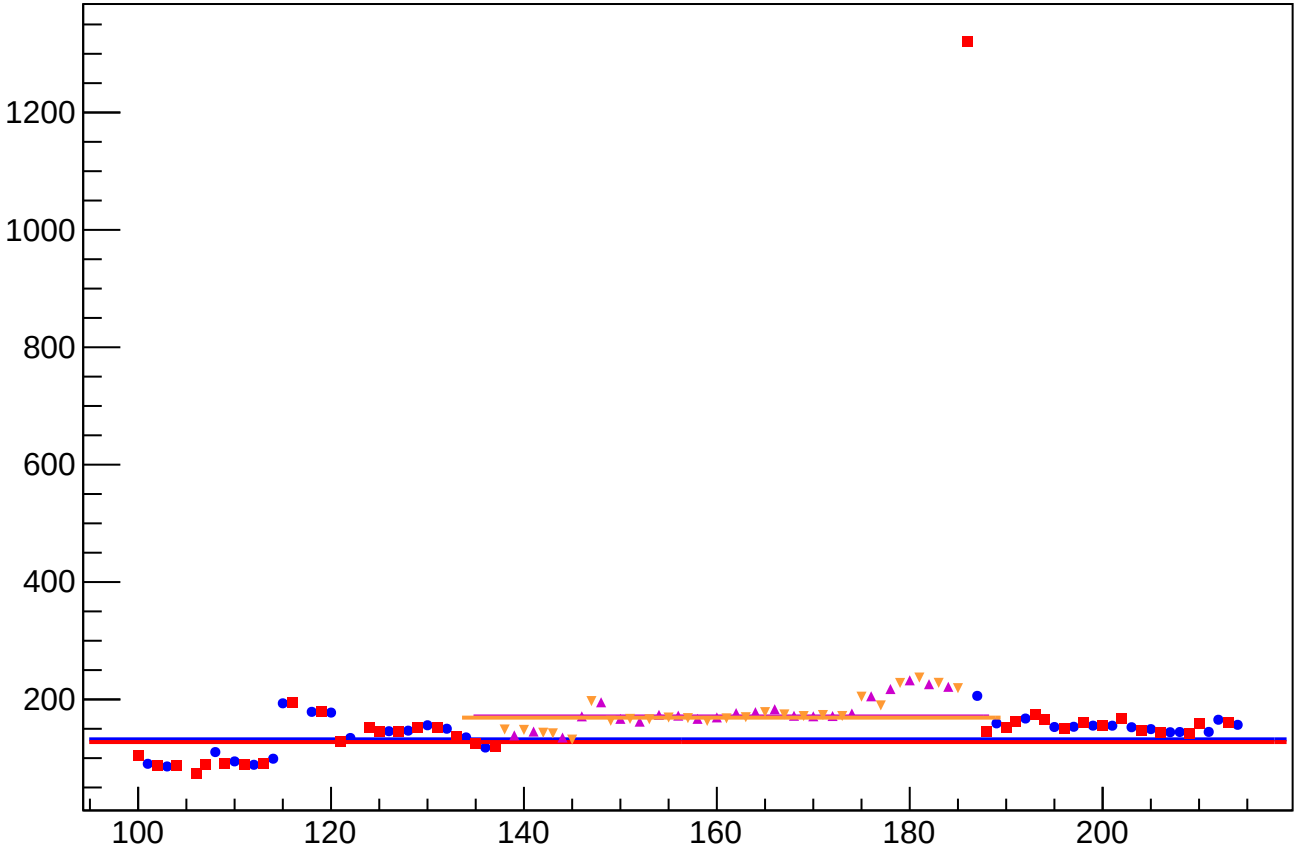
Right: 42.723+/-21.994 χ^2/NDF: 48.9/63

In: 96.616+/-24.921 χ^2/NDF:56.0/52

Out: 97.272+/-24.020 χ^2/NDF:63.6/58

All: 96.956+/-17.294 χ^2/NDF: 119.6/111

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



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

Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

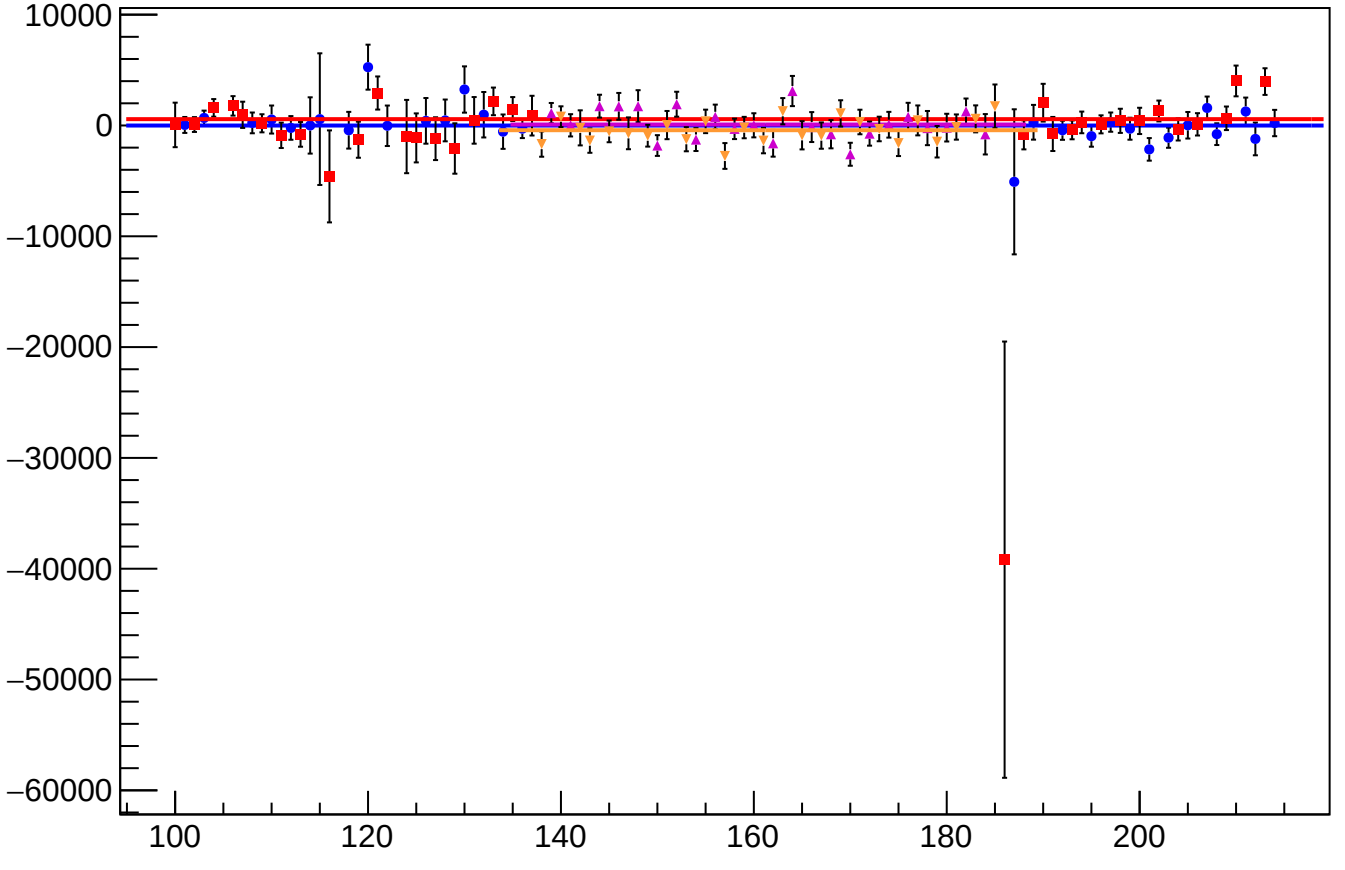
Right: 129.626+/-0.016 χ^2/NDF: 4789590.7/63

In: 146.869+/-0.018 χ^2/NDF:3607543.9/52

Out: 143.316+/-0.017 χ^2/NDF:5184936.2/58

All: 145.027+/-0.012 χ^2/NDF: 8813554.0/11

asym_sam5_eigen_dit_correction_mean vs Slug, Sign Corrected



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

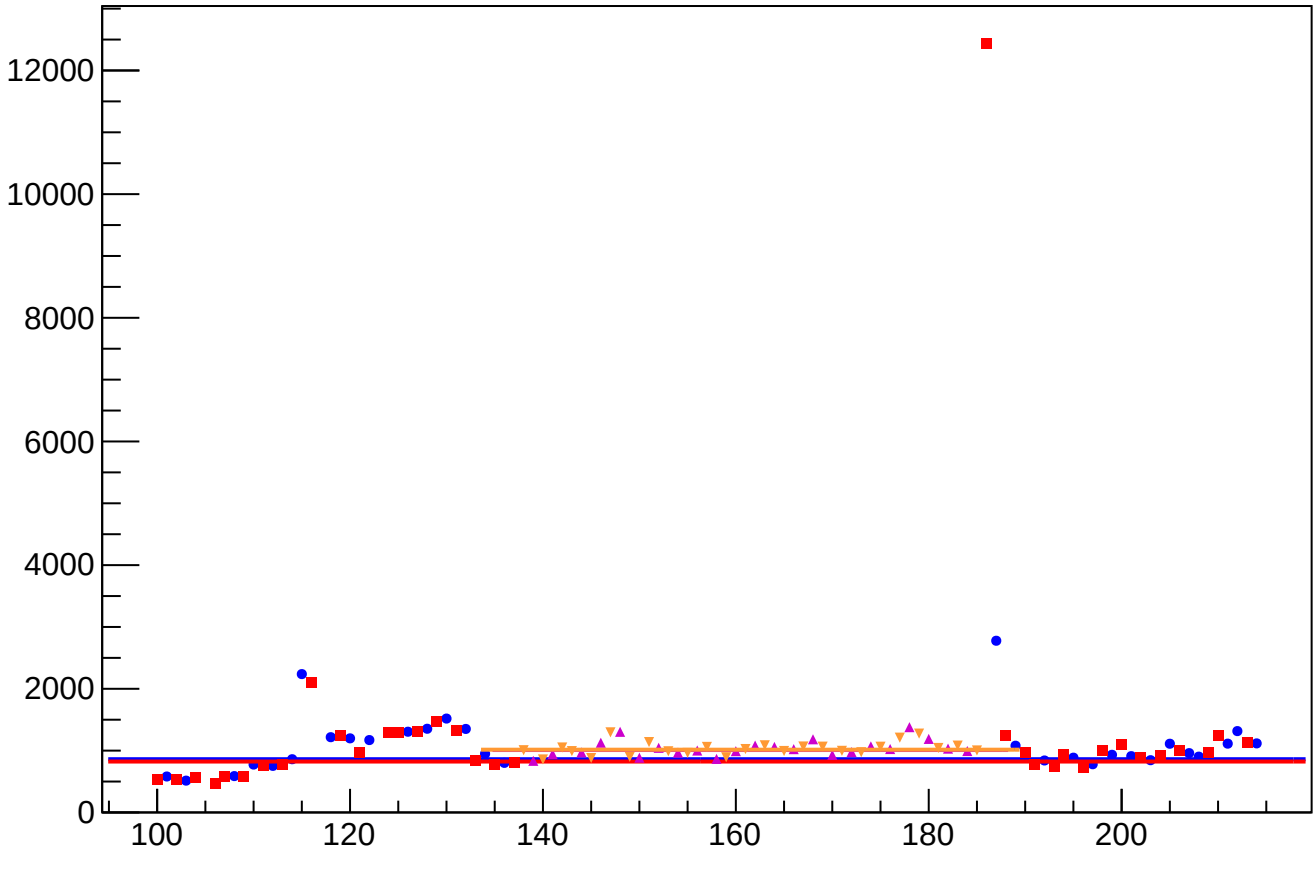
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 296.646+/-145.104 χ^2/NDF: 70.5/63

In: 34.935+/-157.661 χ^2/NDF:56.4/52

Out: 146.024+/-151.821 χ^2/NDF:71.6/58

All: 92.575+/-109.360 χ^2/NDF: 128.2/111



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

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

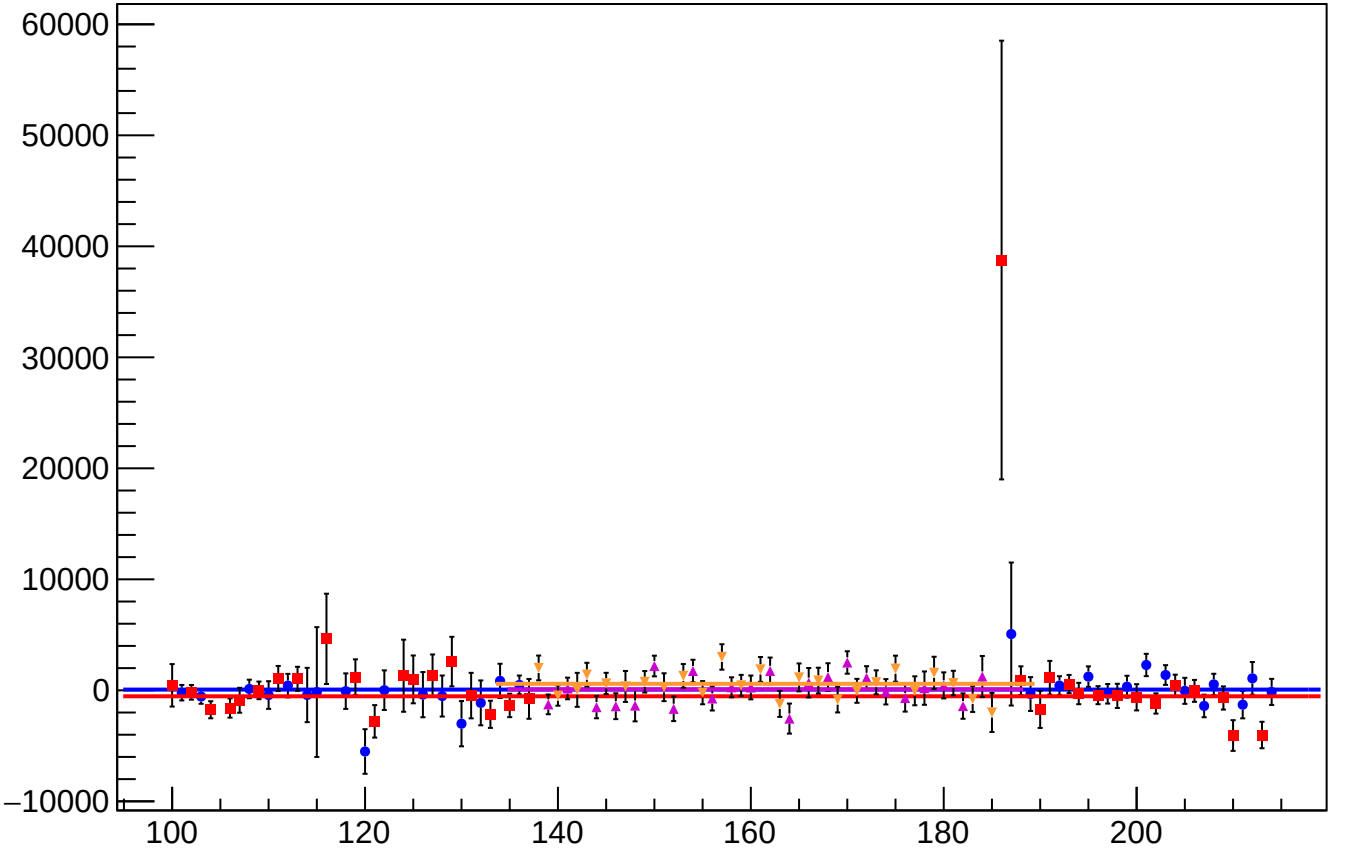
Right: 841.462+/-0.103 χ^2/NDF: 6358686.9/63

In: 926.328+/-0.111 χ^2/NDF:3572214.0/52

Out: 905.104+/-0.107 χ^2/NDF:4864279.8/58

All: 915.316+/-0.077 χ^2/NDF: 8455298.7/11

asym_sam5_mean vs Slug, Sign Corrected



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

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

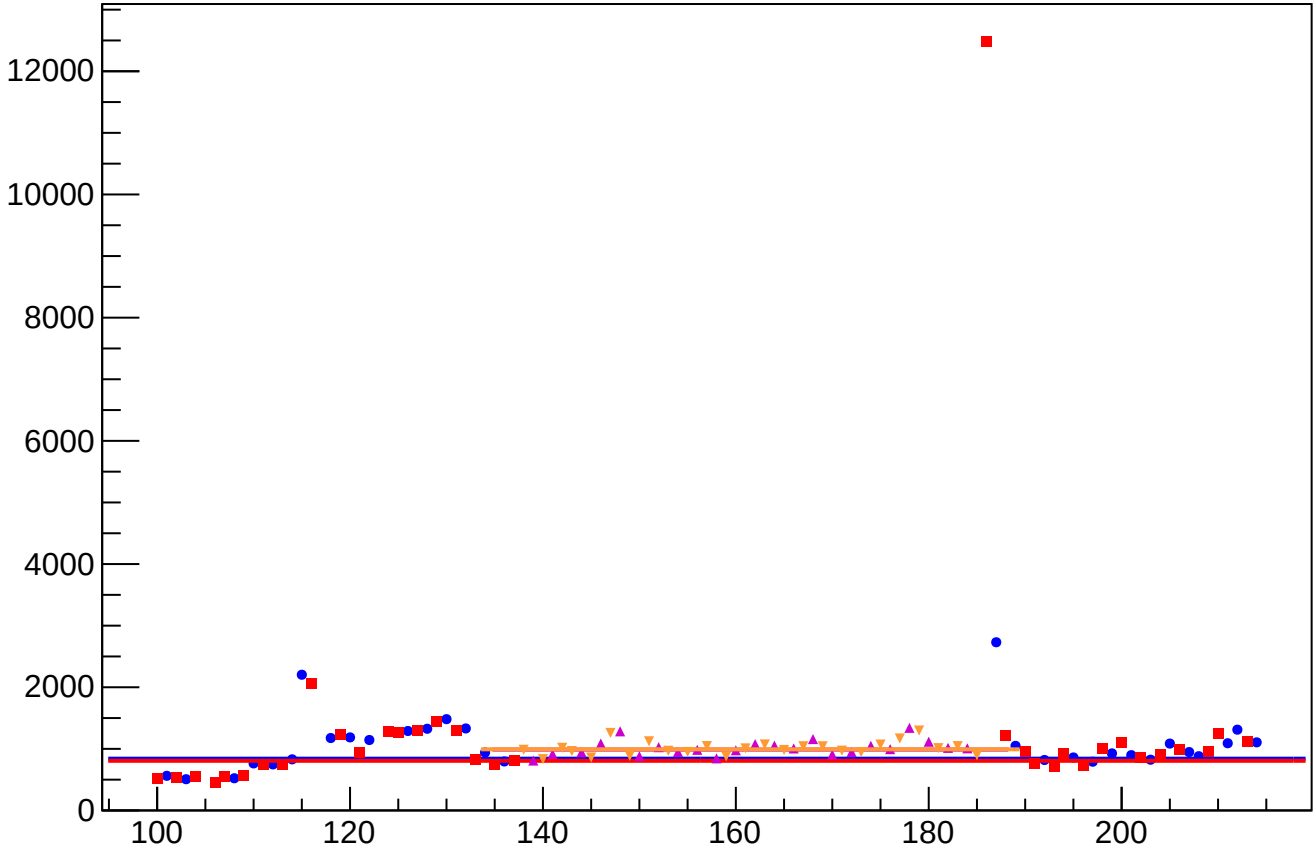
Right: -249.332+/-142.206 χ^2/NDF: 76.8/63

In: 77.749+/-154.268 χ^2/NDF:60.8/52

Out: -56.958+/-148.816 χ^2/NDF:80.8/58

All: 7.973+/-107.105 χ^2/NDF: 142.0/111

asym_sam5_rms vs Slug, Sign Corrected



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

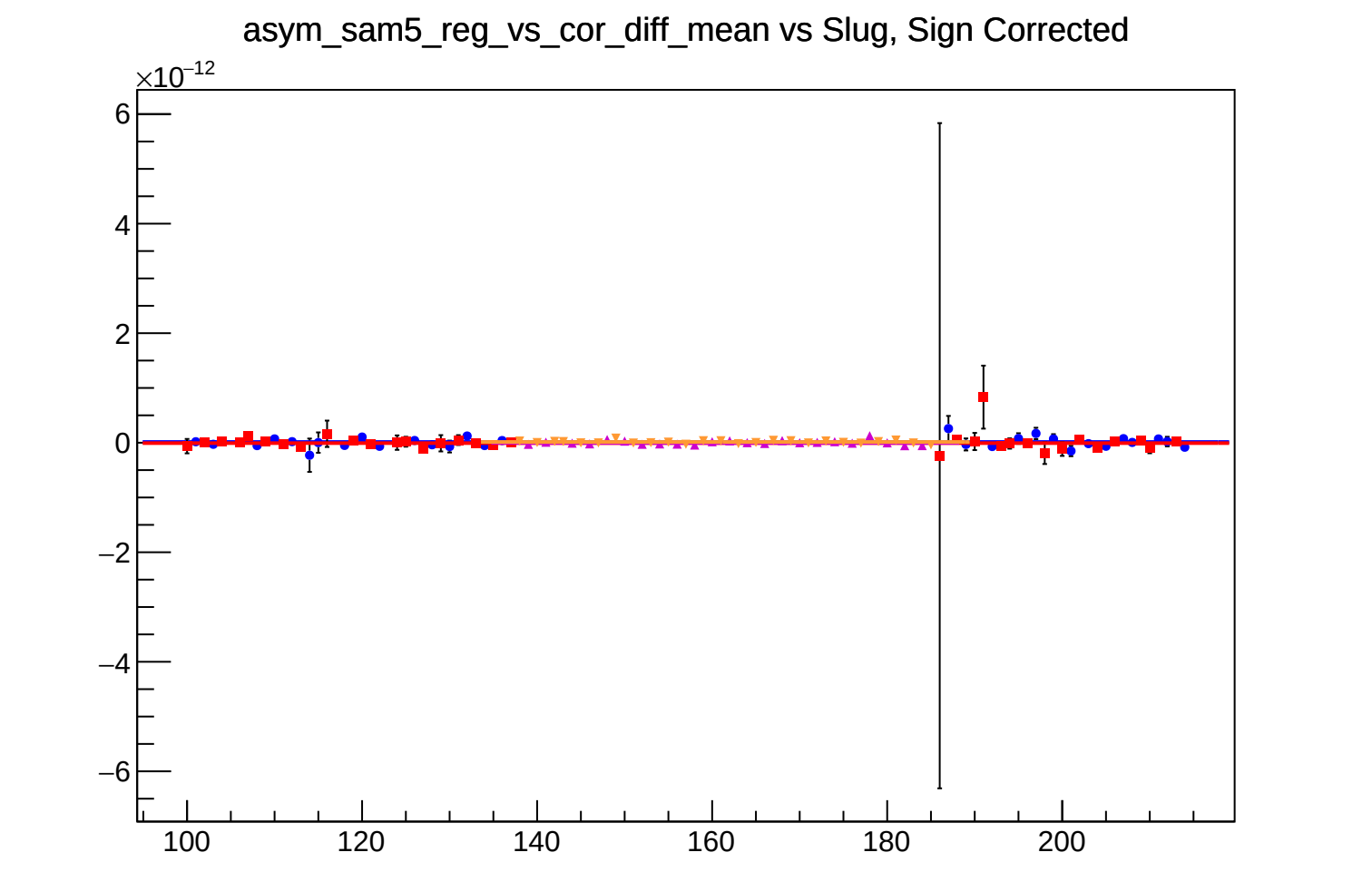
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 822.515+/-0.101 χ^2/NDF: 6600639.6/63

In: 905.095+/-0.109 χ^2/NDF:3709270.3/52

Out: 885.778+/-0.105 χ^2/NDF:4991925.2/58

All: 895.089+/-0.076 χ^2/NDF: 8717438.3/111



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

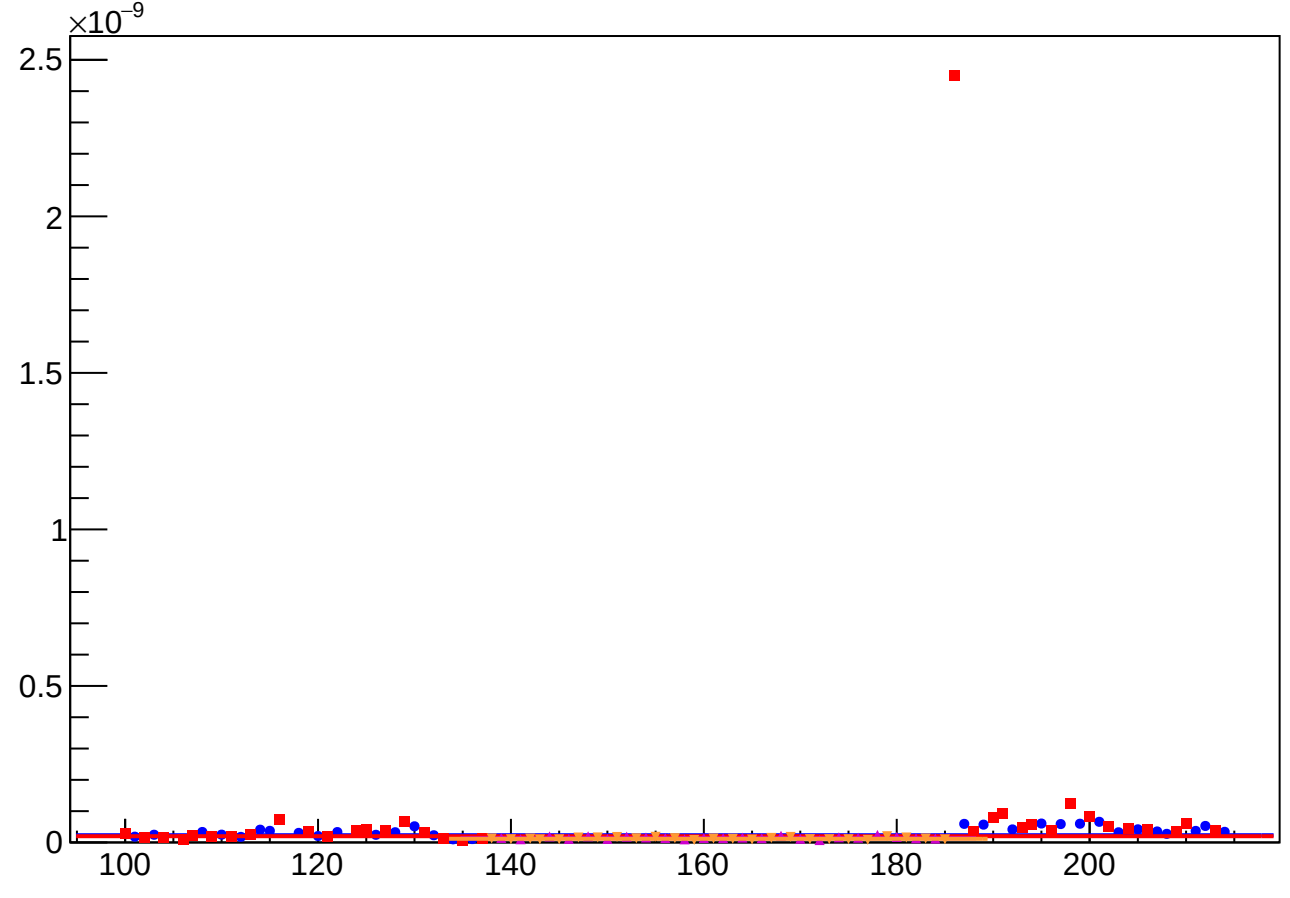
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.1/63

In: 0.000+/-0.000 χ^2/NDF:63.9/52

Out: 0.000+/-0.000 χ^2/NDF:52.7/58

All: 0.000+/-0.000 χ^2/NDF: 118.1/111



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

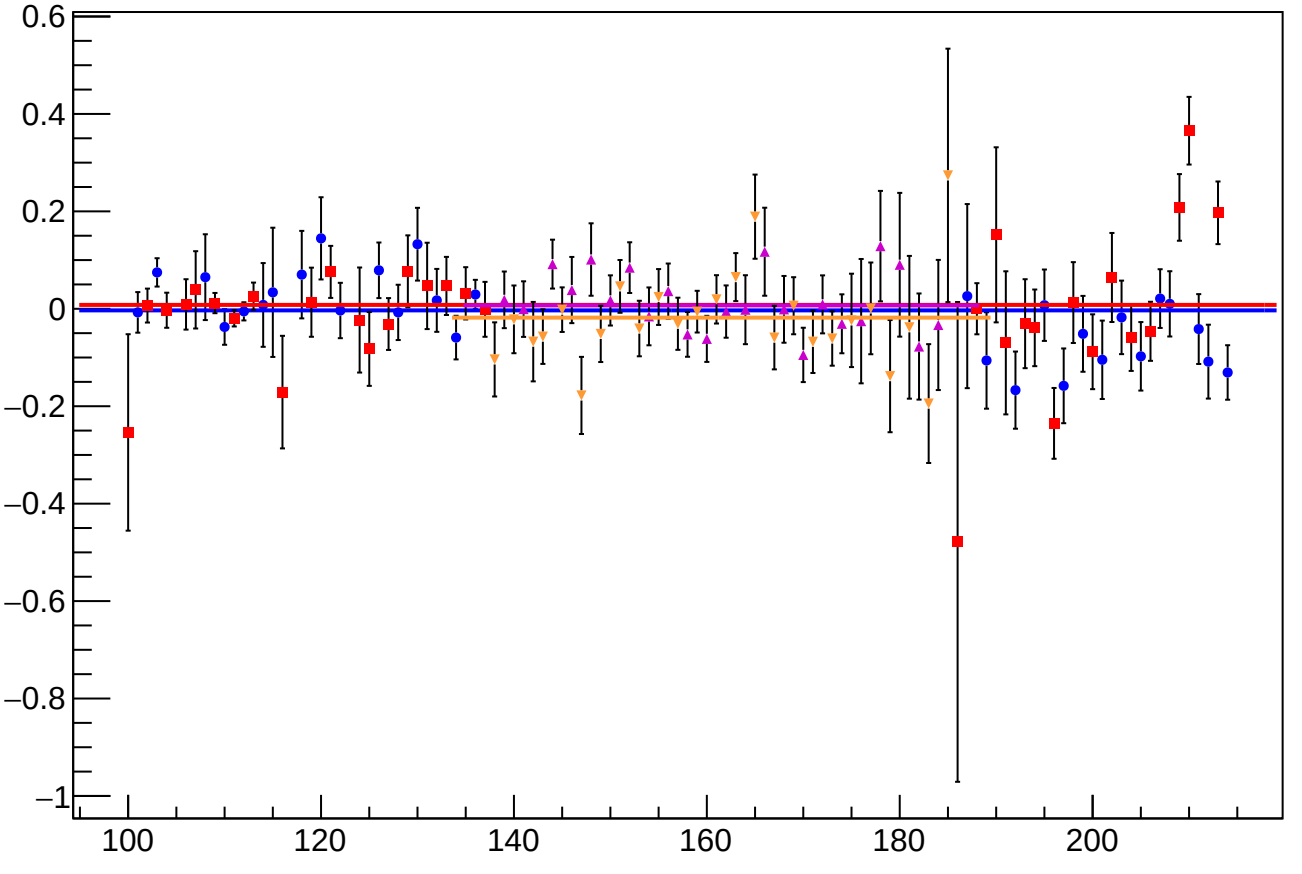
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10824119.6/63

In: 0.000+/-0.000 χ^2/NDF:6642426.5/52

Out: 0.000+/-0.000 χ^2/NDF:8771960.5/58

All: 0.000+/-0.000 χ^2/NDF: 15690699.9/111



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

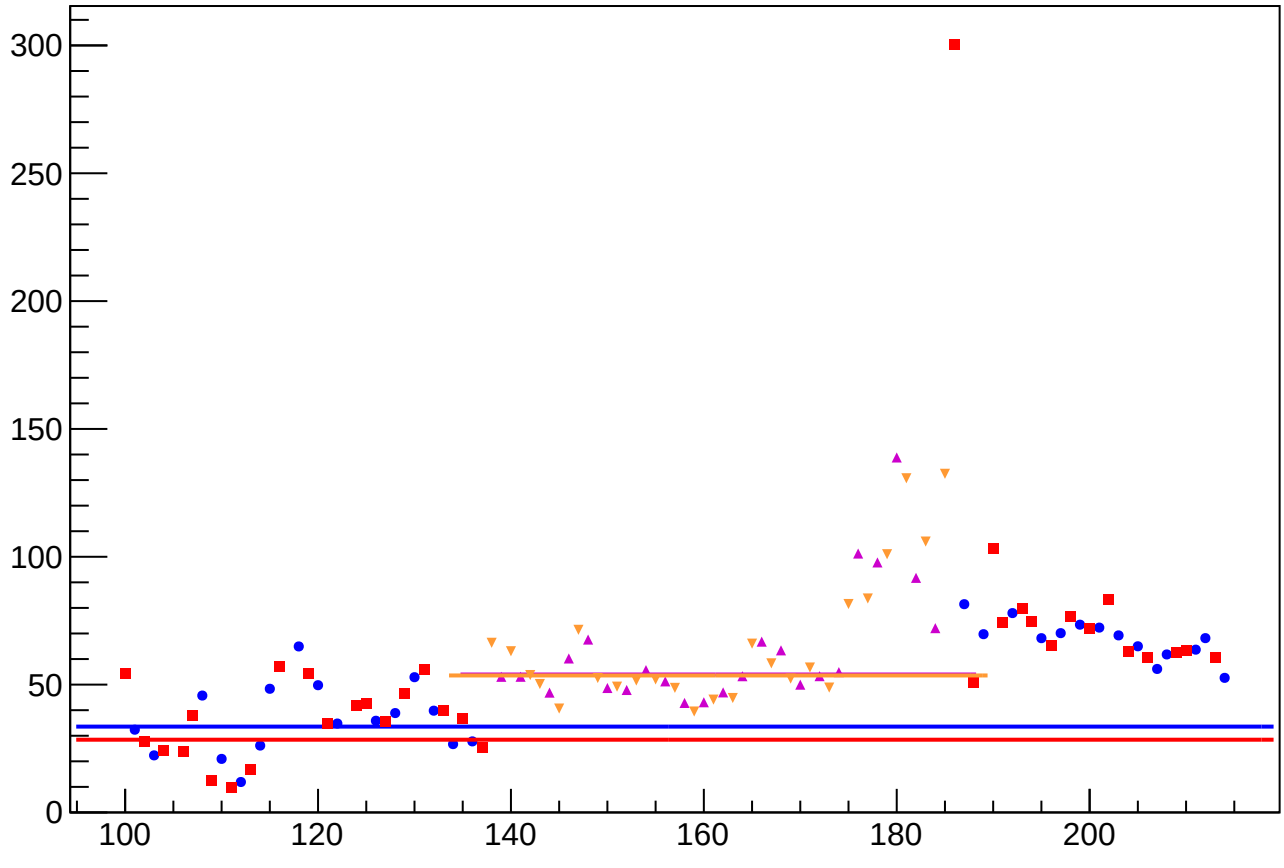
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.003+/-0.006 χ^2/NDF: 116.2/63

In: 0.000+/-0.008 χ^2/NDF:60.7/52

Out: 0.000+/-0.007 χ^2/NDF:101.1/58

All: 0.000+/-0.005 χ^2/NDF: 161.8/111



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

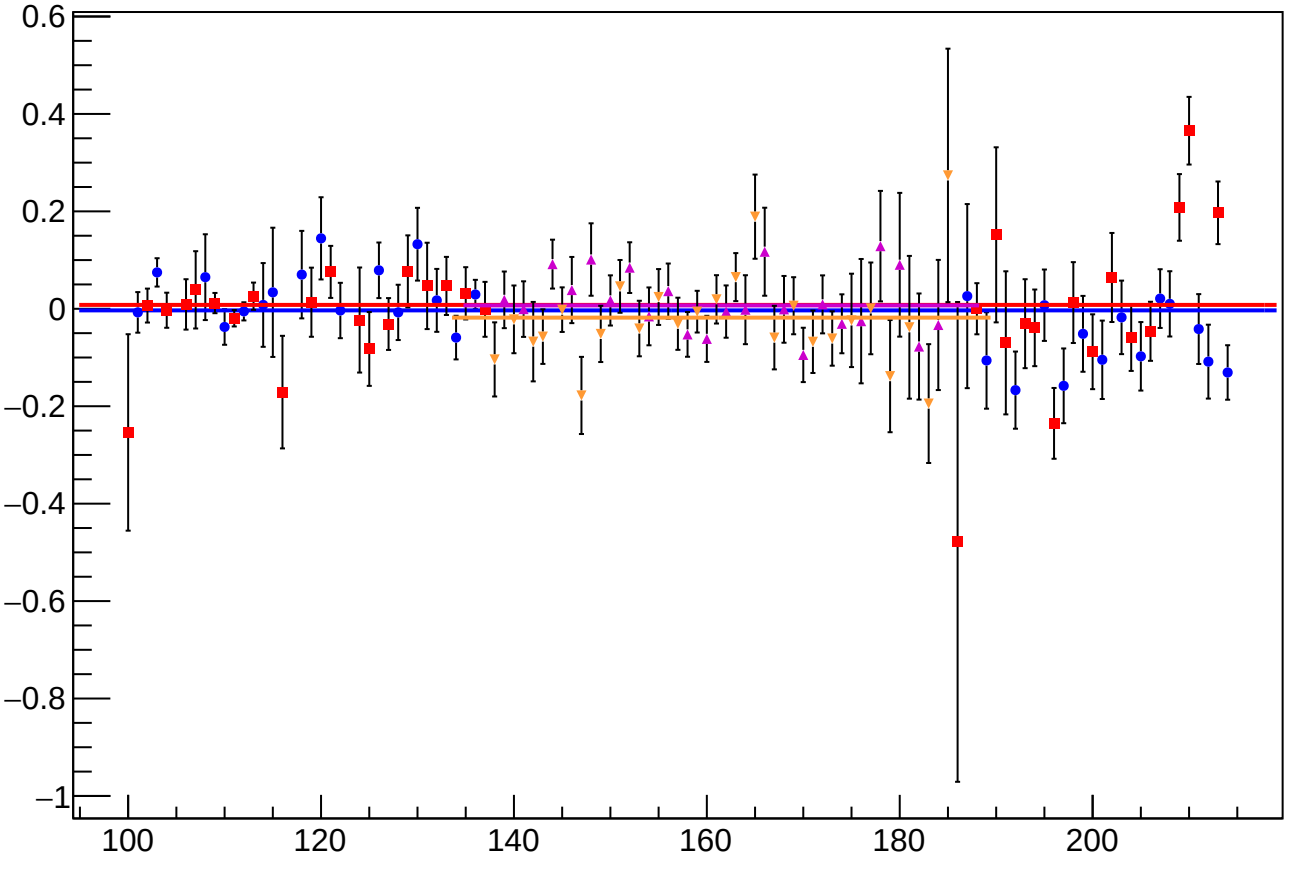
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 30.737+/-0.004 χ^2/NDF: 22692482.1/63

In: 40.388+/-0.005 χ^2/NDF:14545018.5/52

Out: 35.990+/-0.005 χ^2/NDF:21070641.6/58

All: 38.004+/-0.004 χ^2/NDF: 35976207.1/111



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

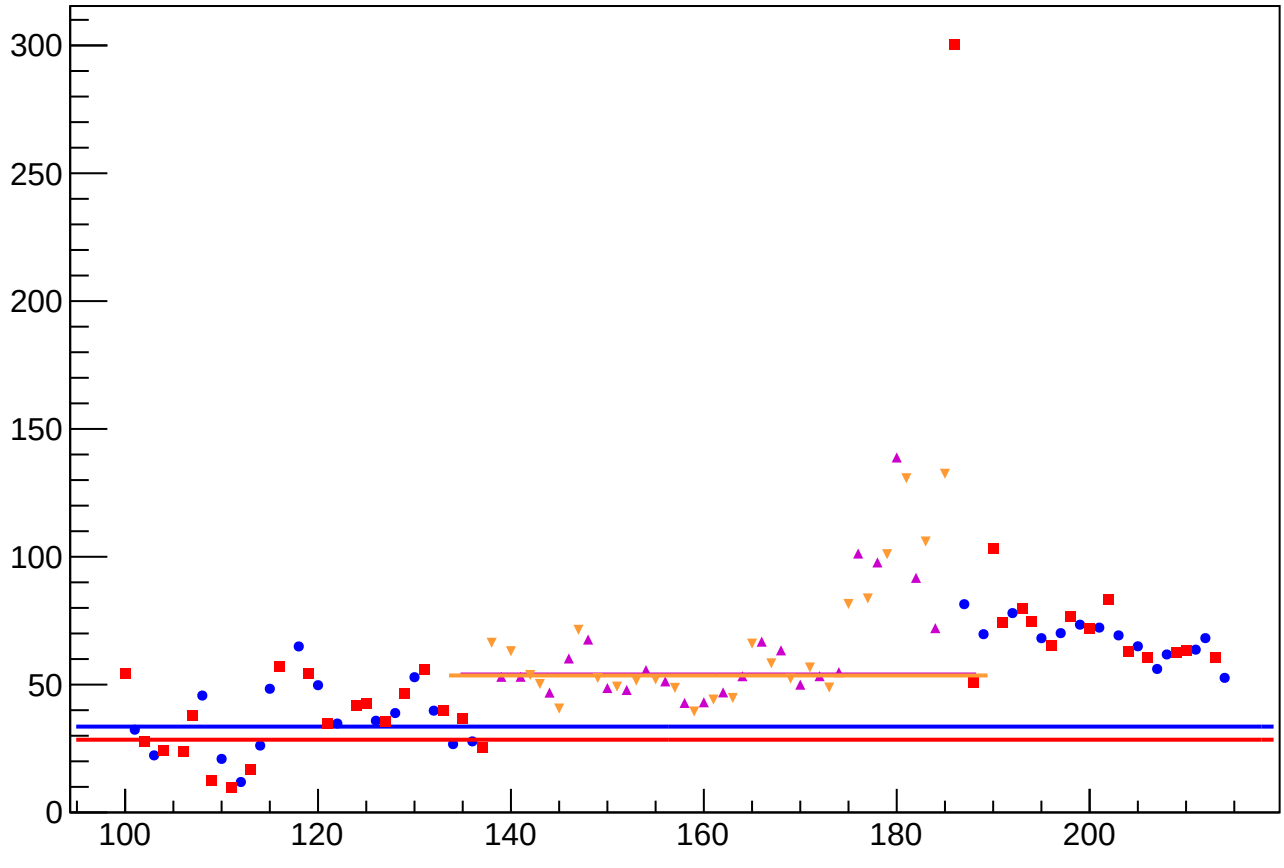
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.003+/-0.006 χ^2/NDF: 116.2/63

In: 0.000+/-0.008 χ^2/NDF:60.7/52

Out: 0.000+/-0.007 χ^2/NDF:101.1/58

All: 0.000+/-0.005 χ^2/NDF: 161.8/111



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

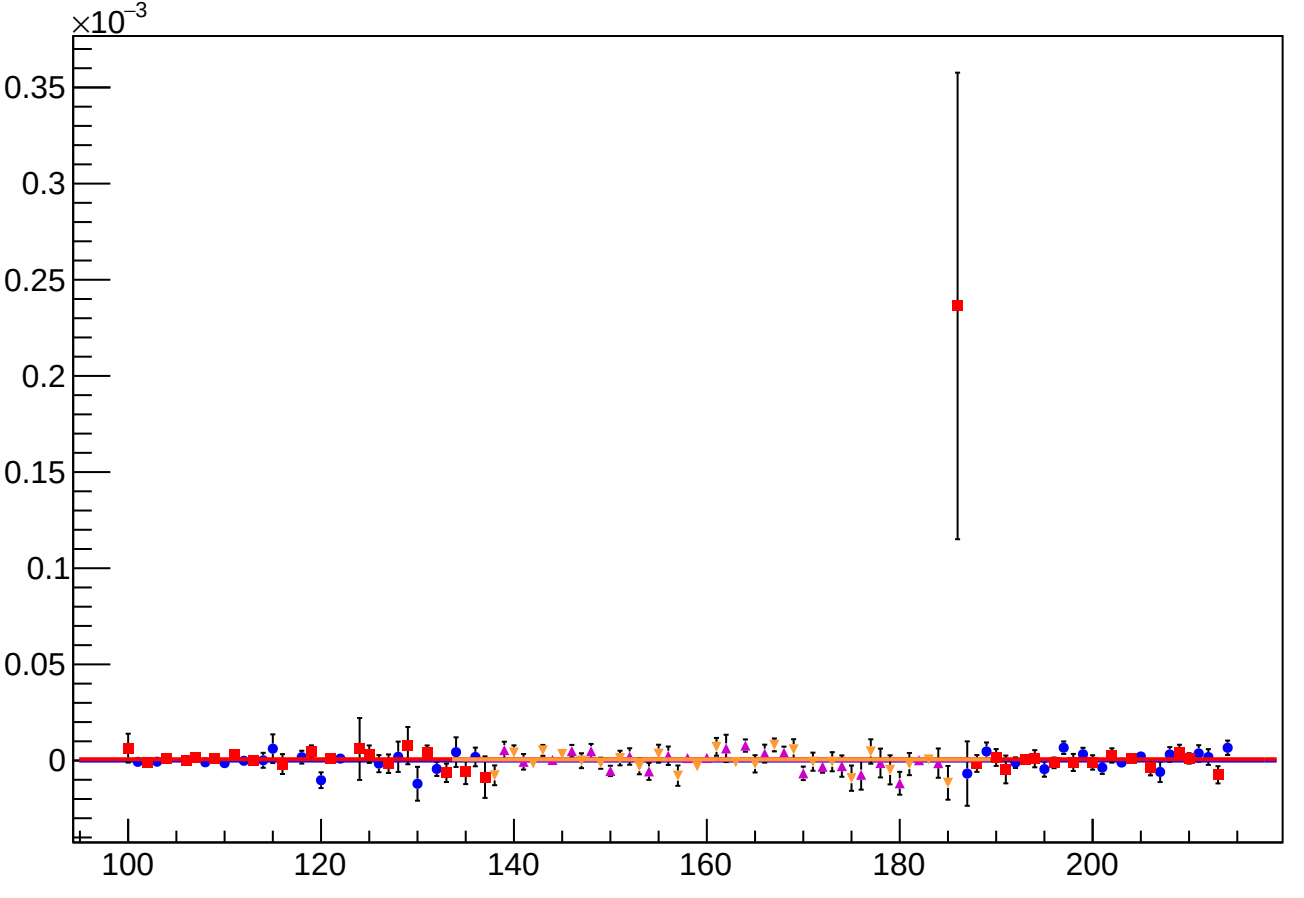
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 30.737+/-0.004 χ^2/NDF: 22692482.1/63

In: 40.388+/-0.005 χ^2/NDF:14545018.5/52

Out: 35.990+/-0.005 χ^2/NDF:21070641.6/58

All: 38.004+/-0.004 χ^2/NDF: 35976207.1/111



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

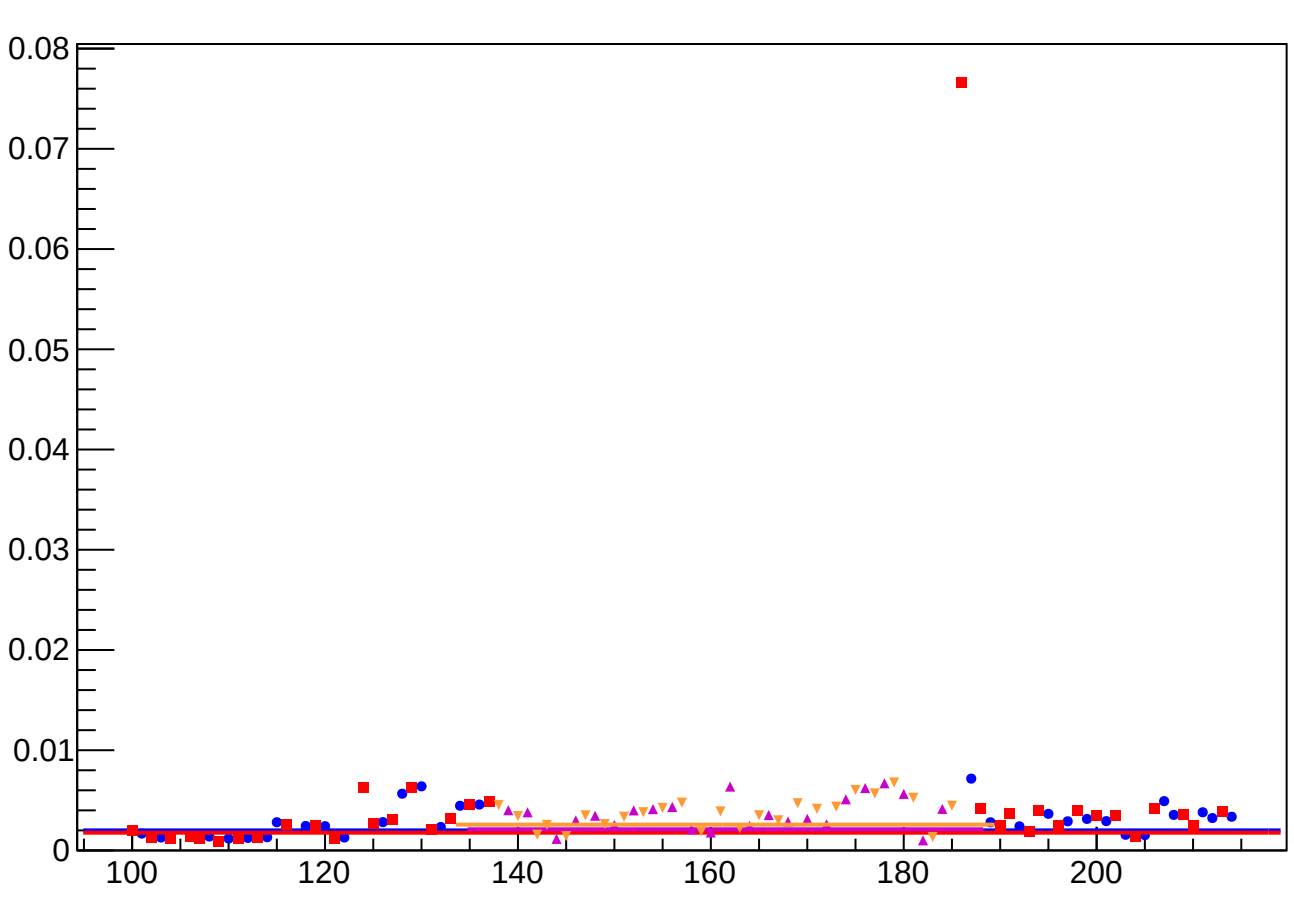
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 52.8/63

In: 0.000+/-0.000 χ^2/NDF:60.2/52

Out: 0.000+/-0.000 χ^2/NDF:53.8/58

All: 0.000+/-0.000 χ^2/NDF: 114.8/111



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

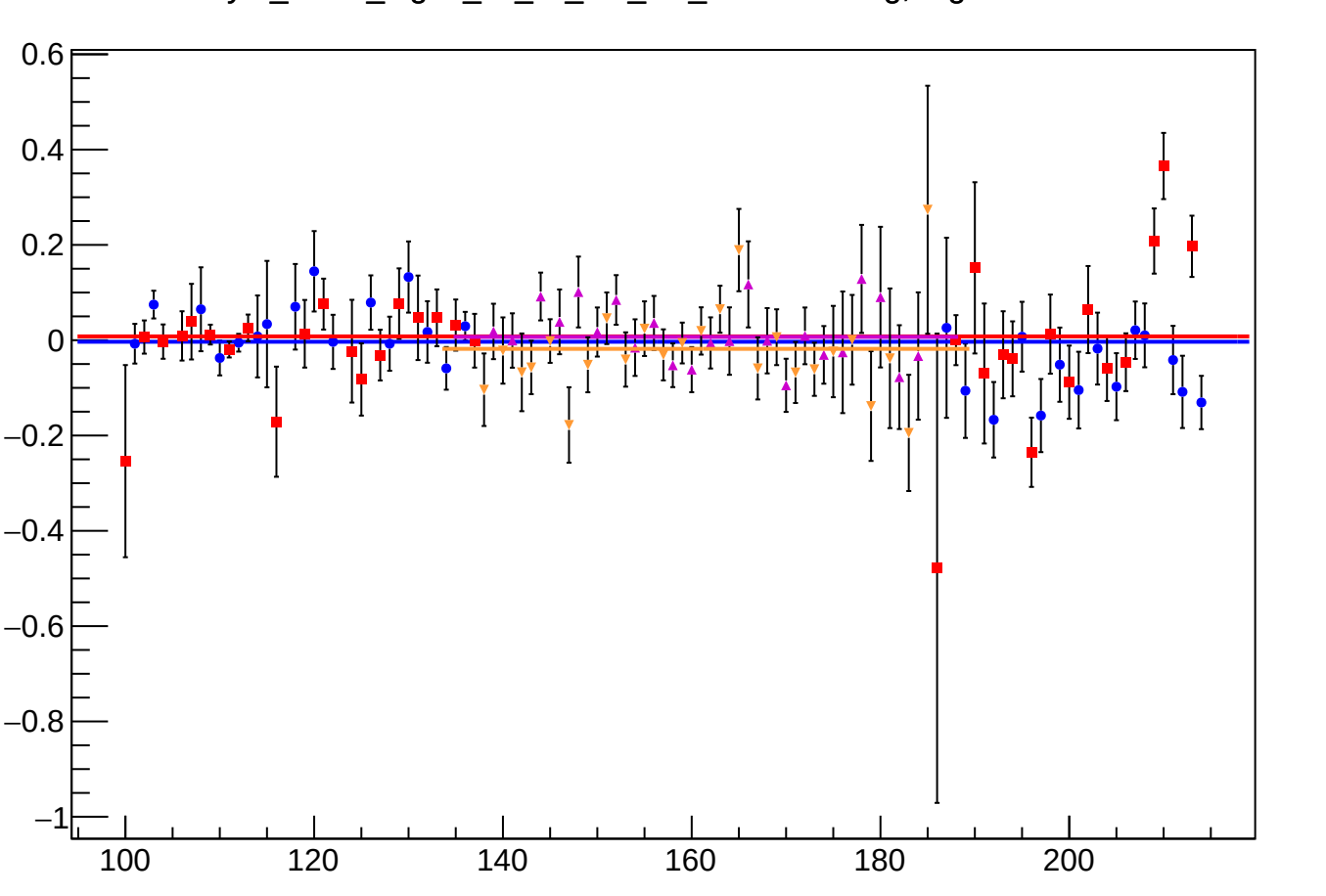
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 15822755.9/63

In: 0.002+/-0.000 χ^2/NDF:16120700.4/52

Out: 0.002+/-0.000 χ^2/NDF:18064185.4/58

All: 0.002+/-0.000 χ^2/NDF: 34184995.5/111



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

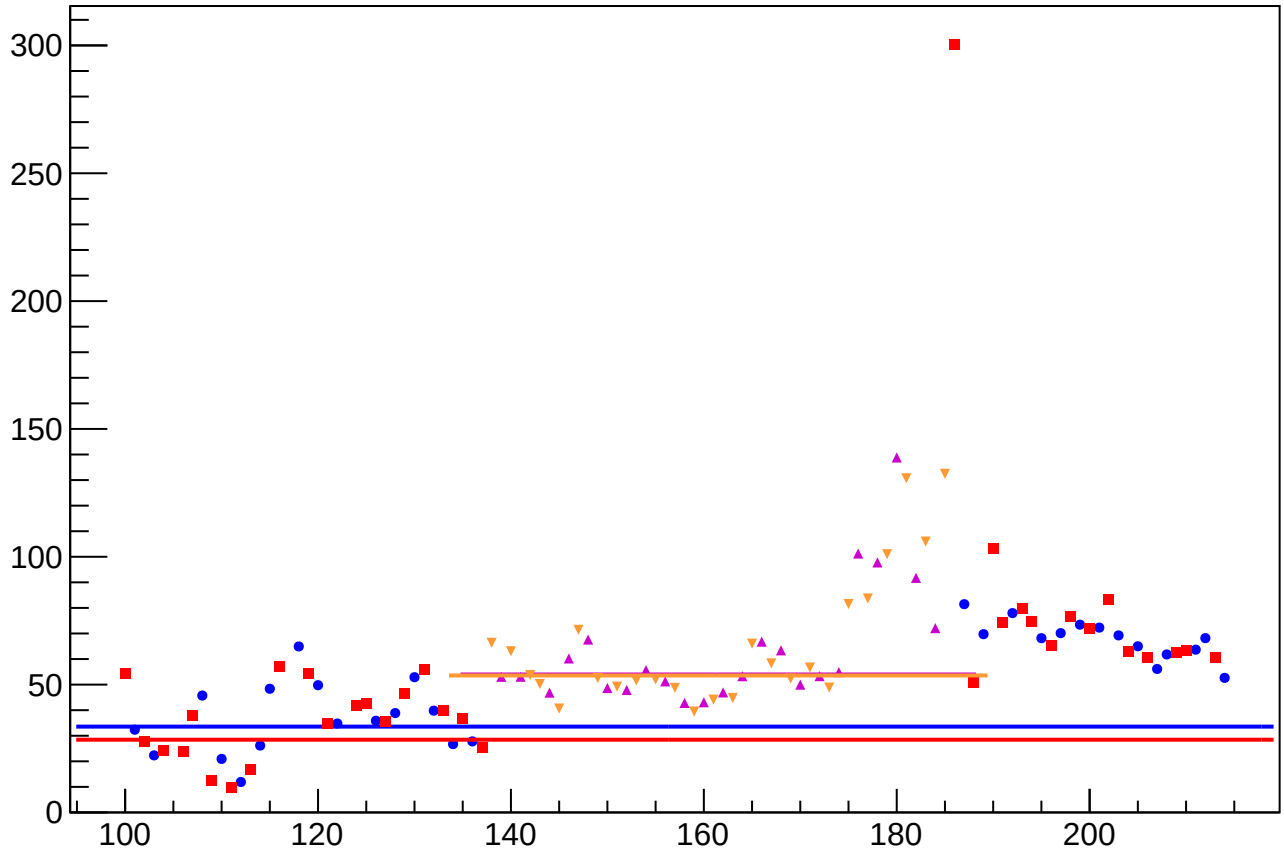
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.003+/-0.006 χ^2/NDF: 116.2/63

In: 0.000+/-0.008 χ^2/NDF:60.7/52

Out: 0.000+/-0.007 χ^2/NDF:101.1/58

All: 0.000+/-0.005 χ^2/NDF: 161.8/111



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

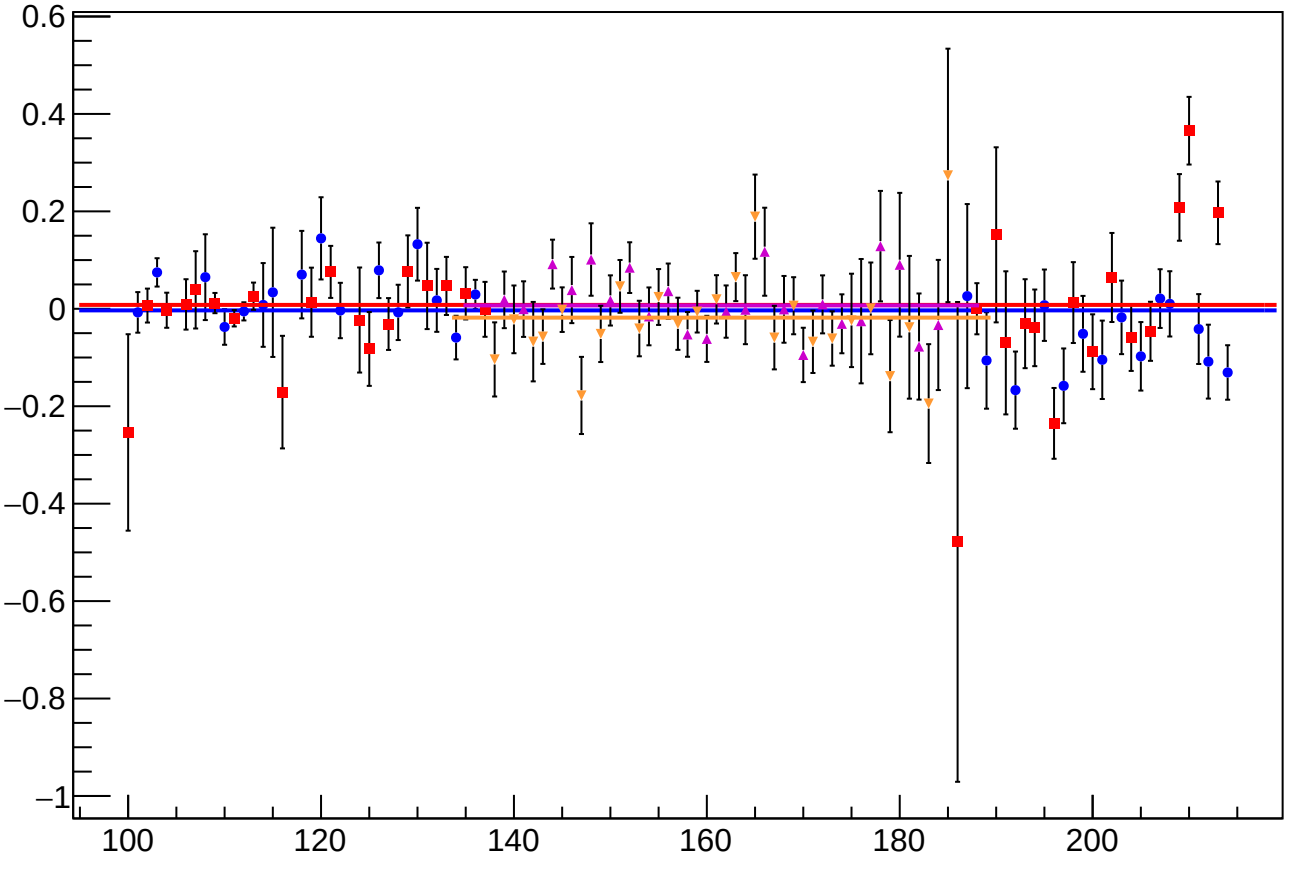
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 30.736+/-0.004 χ^2/NDF: 22692805.6/63

In: 40.387+/-0.005 χ^2/NDF:14545496.5/52

Out: 35.989+/-0.005 χ^2/NDF:21071346.3/58

All: 38.004+/-0.004 χ^2/NDF: 35977412.4/11



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

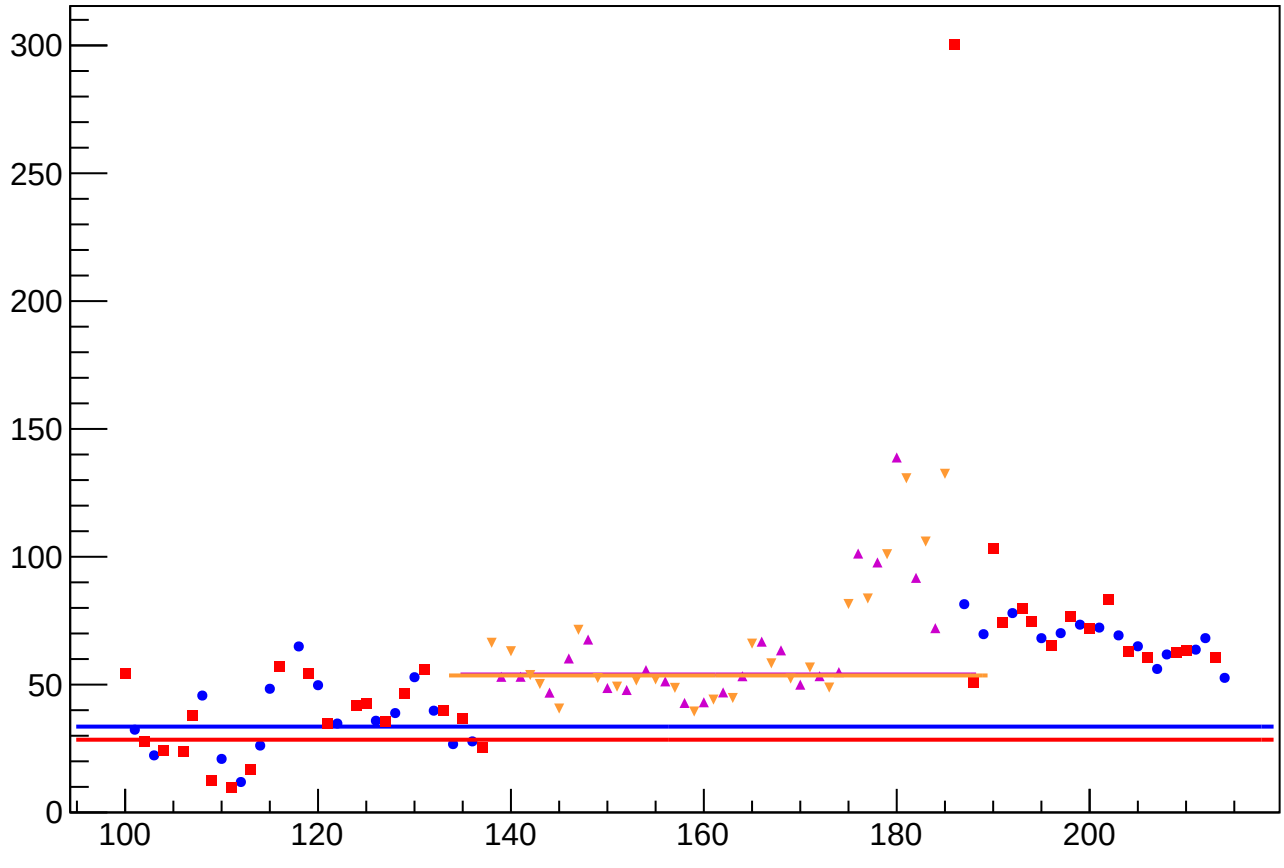
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.003+/-0.006 χ^2/NDF: 116.2/63

In: 0.000+/-0.008 χ^2/NDF:60.7/52

Out: 0.000+/-0.007 χ^2/NDF:101.1/58

All: 0.000+/-0.005 χ^2/NDF: 161.8/111



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

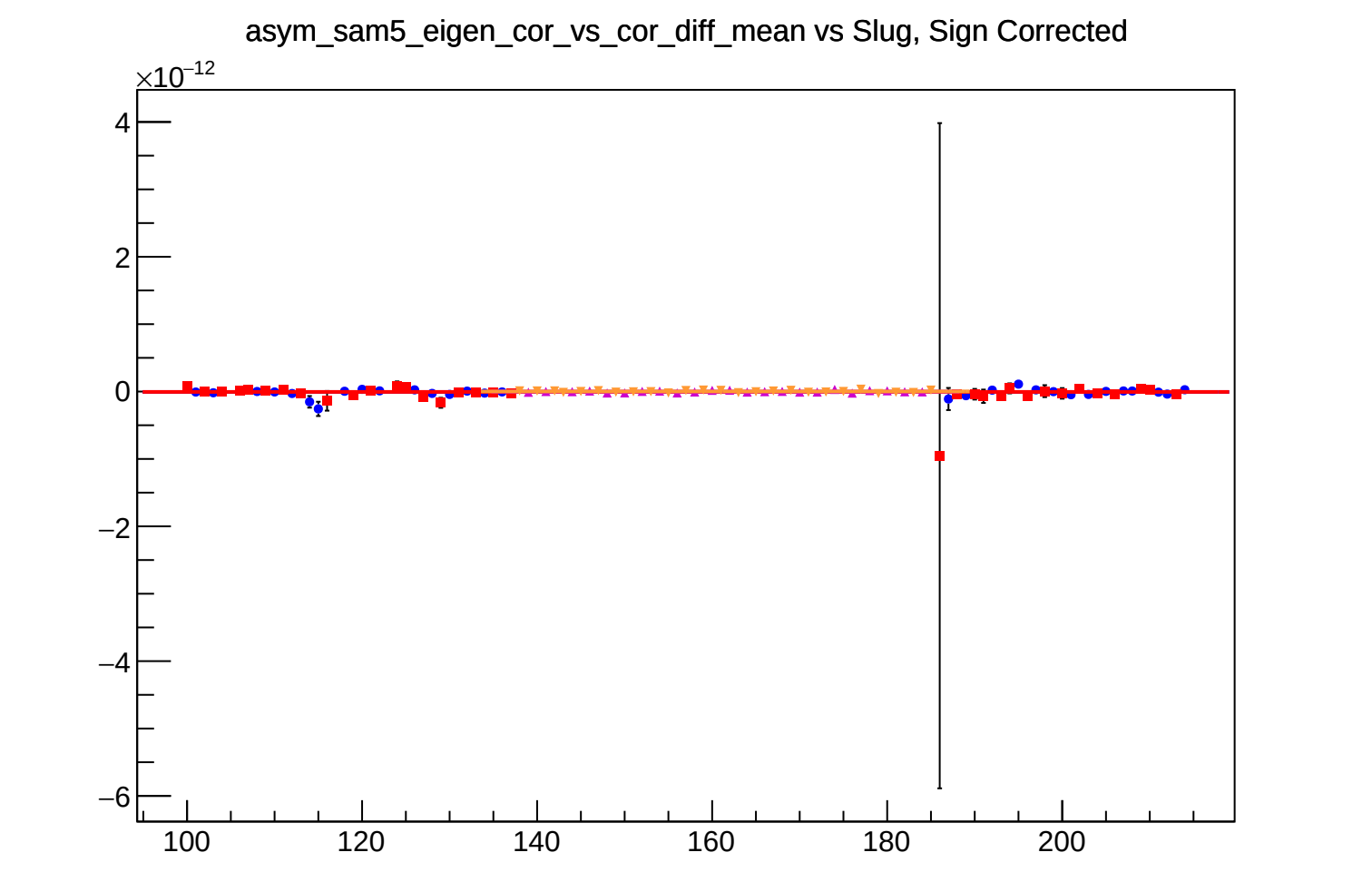
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 30.736+/-0.004 χ^2/NDF: 22692805.6/63

In: 40.387+/-0.005 χ^2/NDF:14545496.5/52

Out: 35.989+/-0.005 χ^2/NDF:21071346.3/58

All: 38.004+/-0.004 χ^2/NDF: 35977412.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.2/33

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

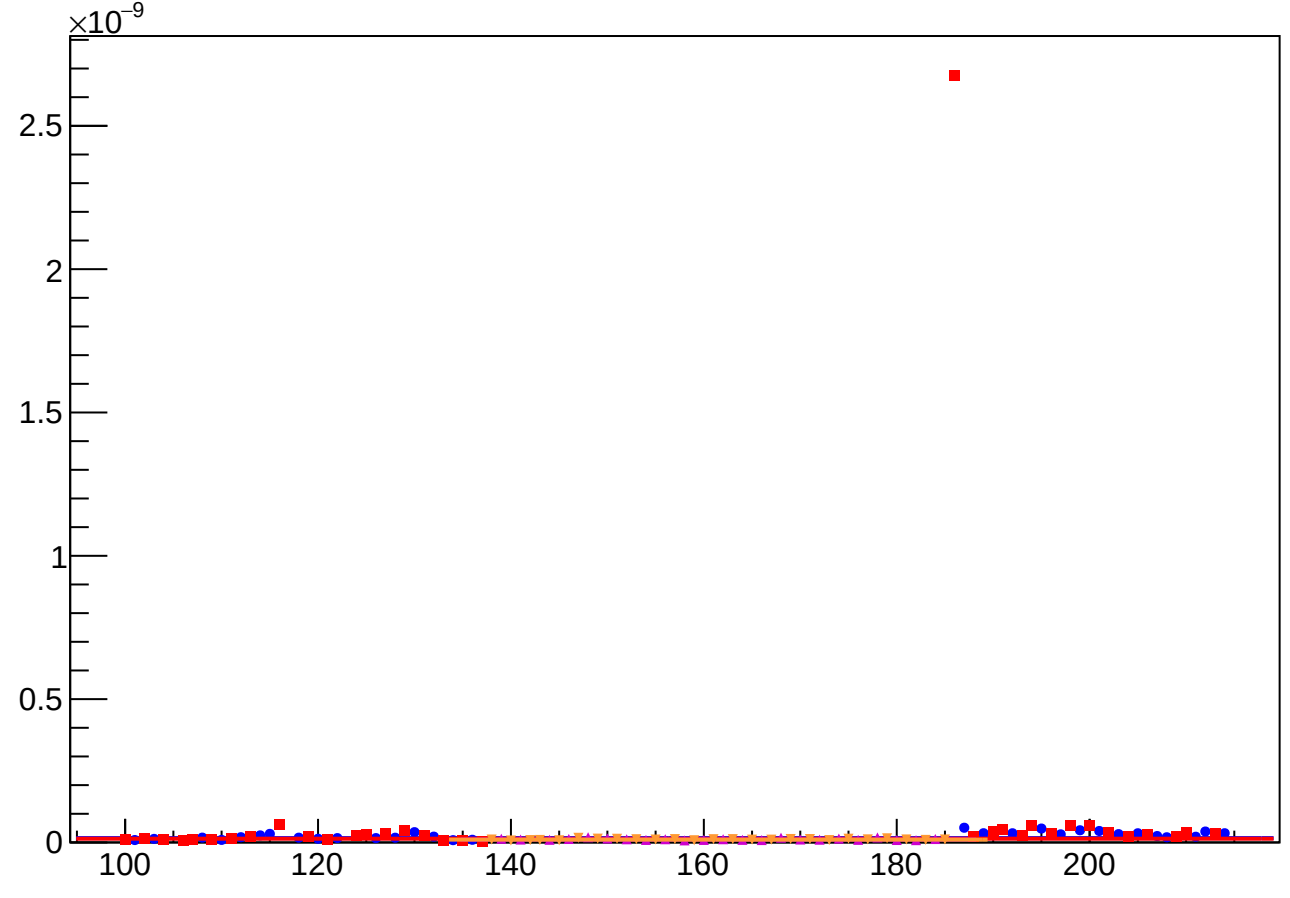
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 63.8/63

In: -0.000+/-0.000 χ^2/NDF:42.7/52

Out: -0.000+/-0.000 χ^2/NDF:69.2/58

All: -0.000+/-0.000 χ^2/NDF: 112.1/111



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

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

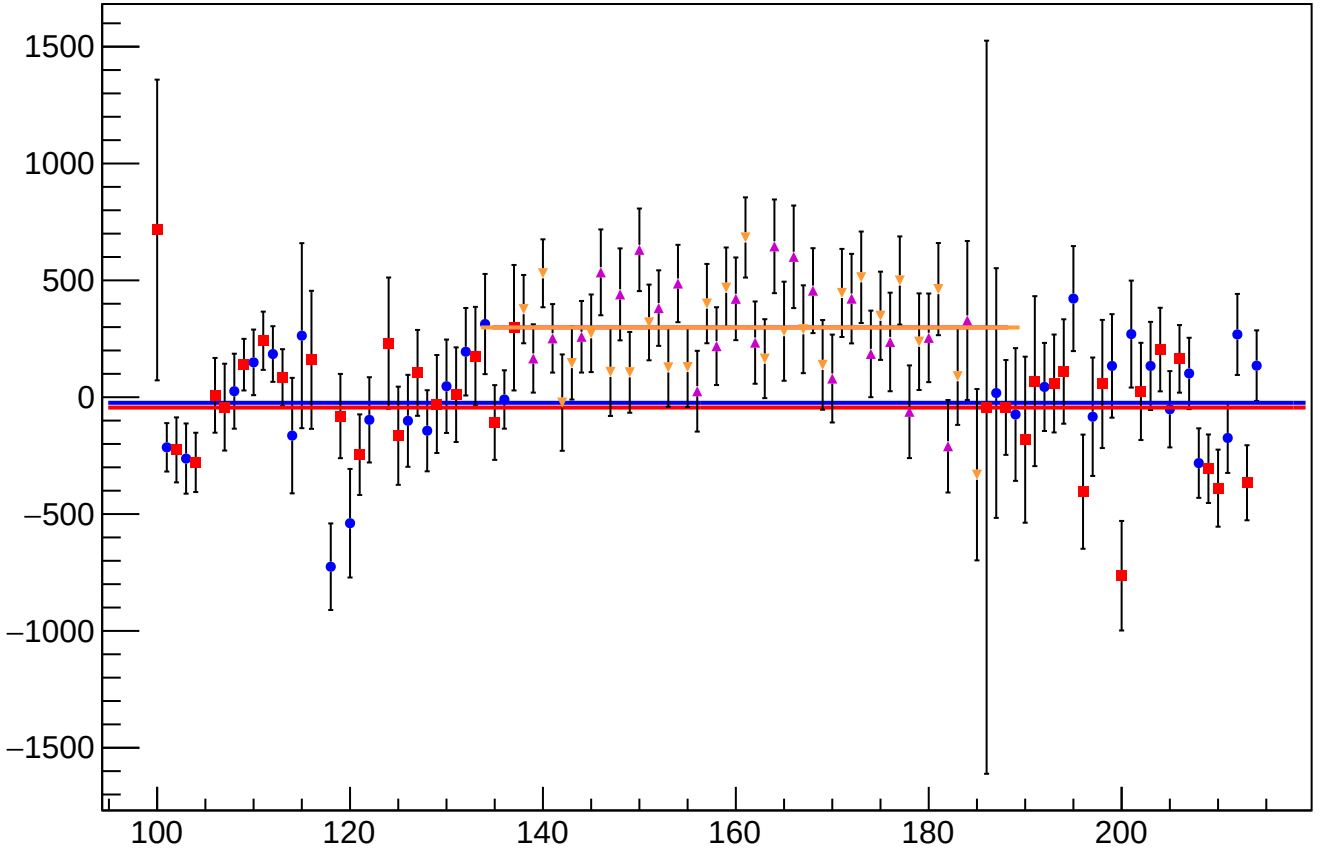
Right: 0.000+/-0.000 χ^2/NDF: 14985007.3/63

In: 0.000+/-0.000 χ^2/NDF:8584724.9/52

Out: 0.000+/-0.000 χ^2/NDF:10861961.4/58

All: 0.000+/-0.000 χ^2/NDF: 19538982.9/111

reg_asym_sam6_mean vs Slug, Sign Corrected



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

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

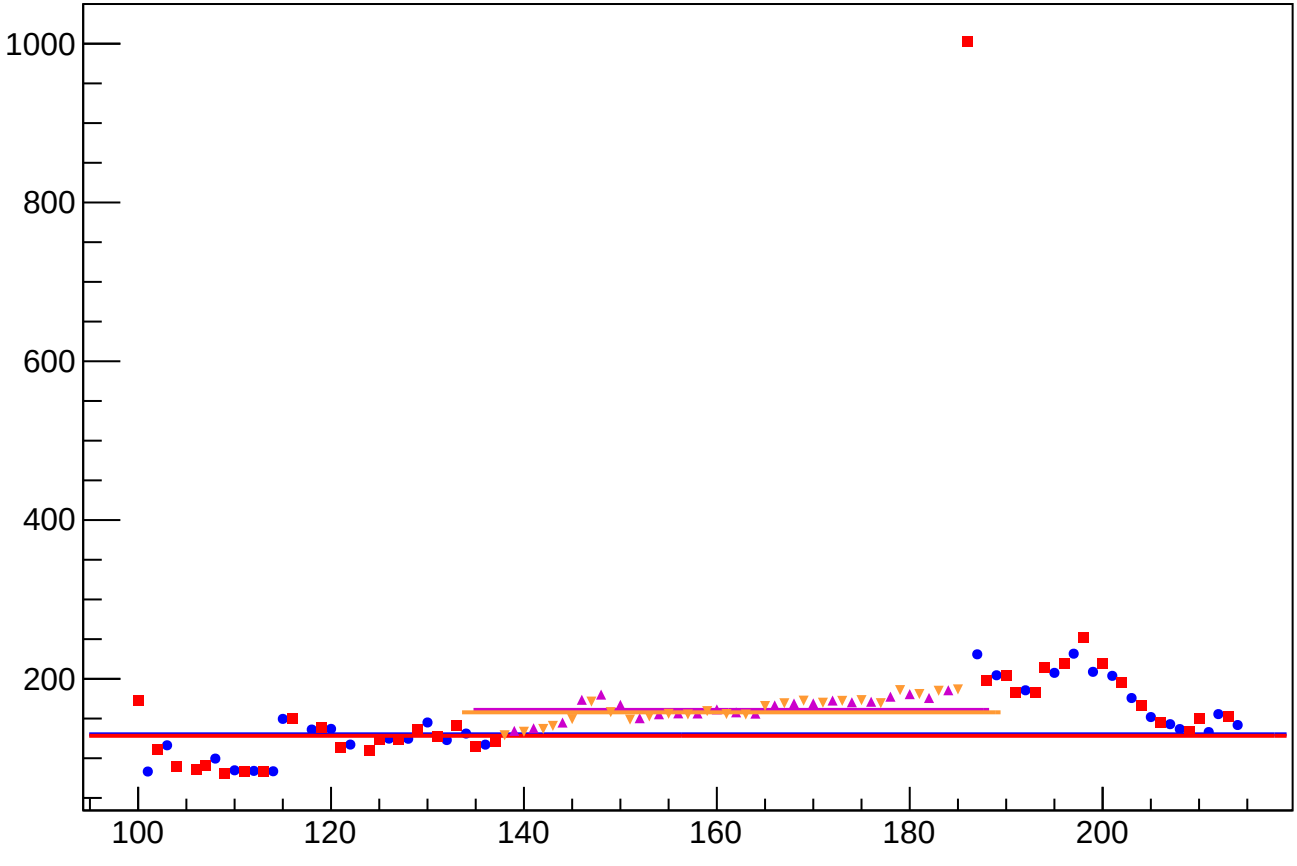
Right: -34.179+/-22.312 χ^2/NDF: 102.3/63

In: 109.935+/-24.299 χ^2/NDF:123.4/52

Out: 103.350+/-23.656 χ^2/NDF:128.4/58

All: 106.554+/-16.950 χ^2/NDF: 251.8/111

reg_asym_sam6_rms vs Slug, Sign Corrected



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

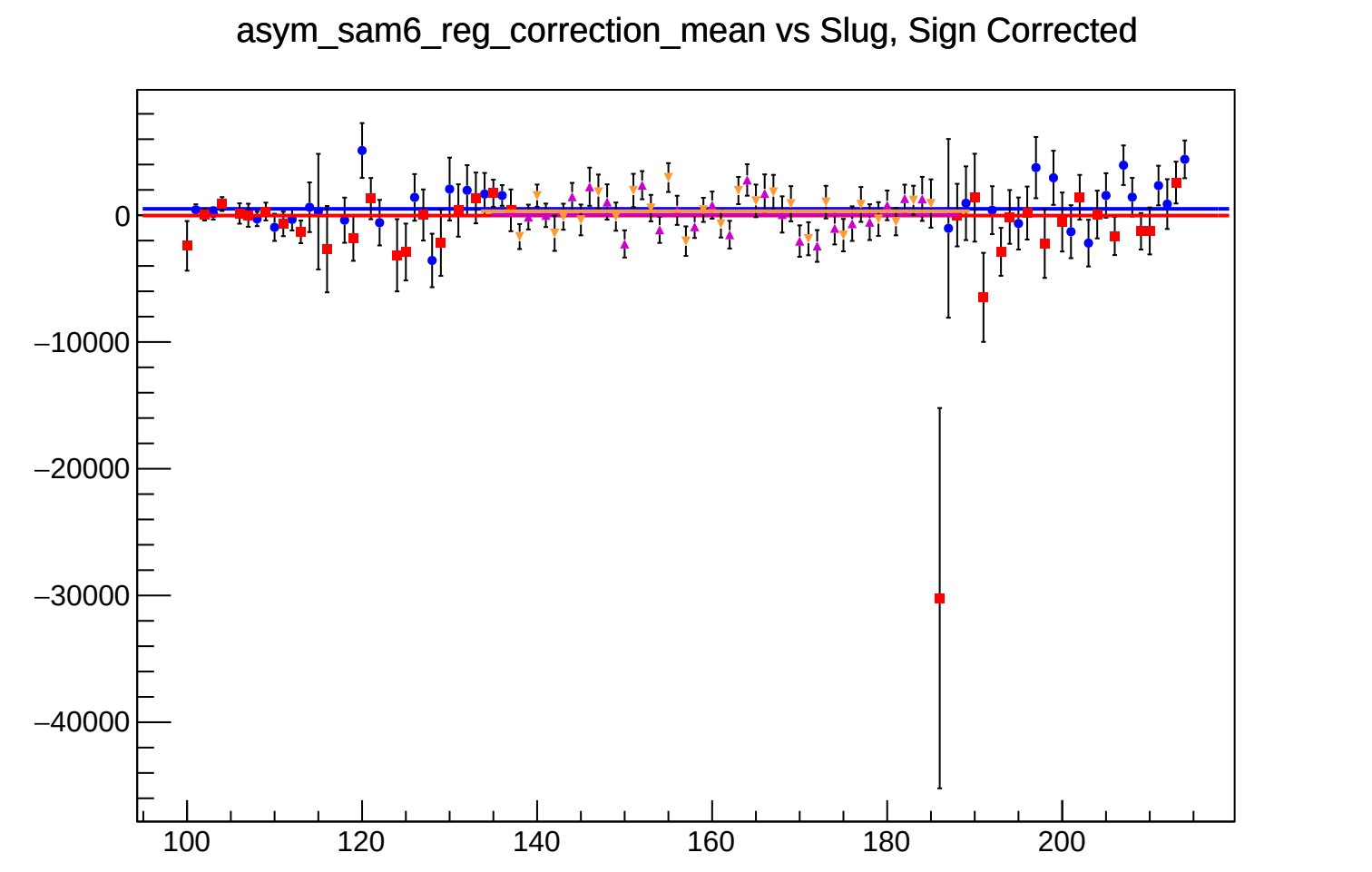
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.181+/-0.016 χ^2/NDF: 7012716.1/63

In: 142.871+/-0.017 χ^2/NDF:3809382.0/52

Out: 141.004+/-0.017 χ^2/NDF:5389424.4/58

All: 141.913+/-0.012 χ^2/NDF: 9204869.9/11



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

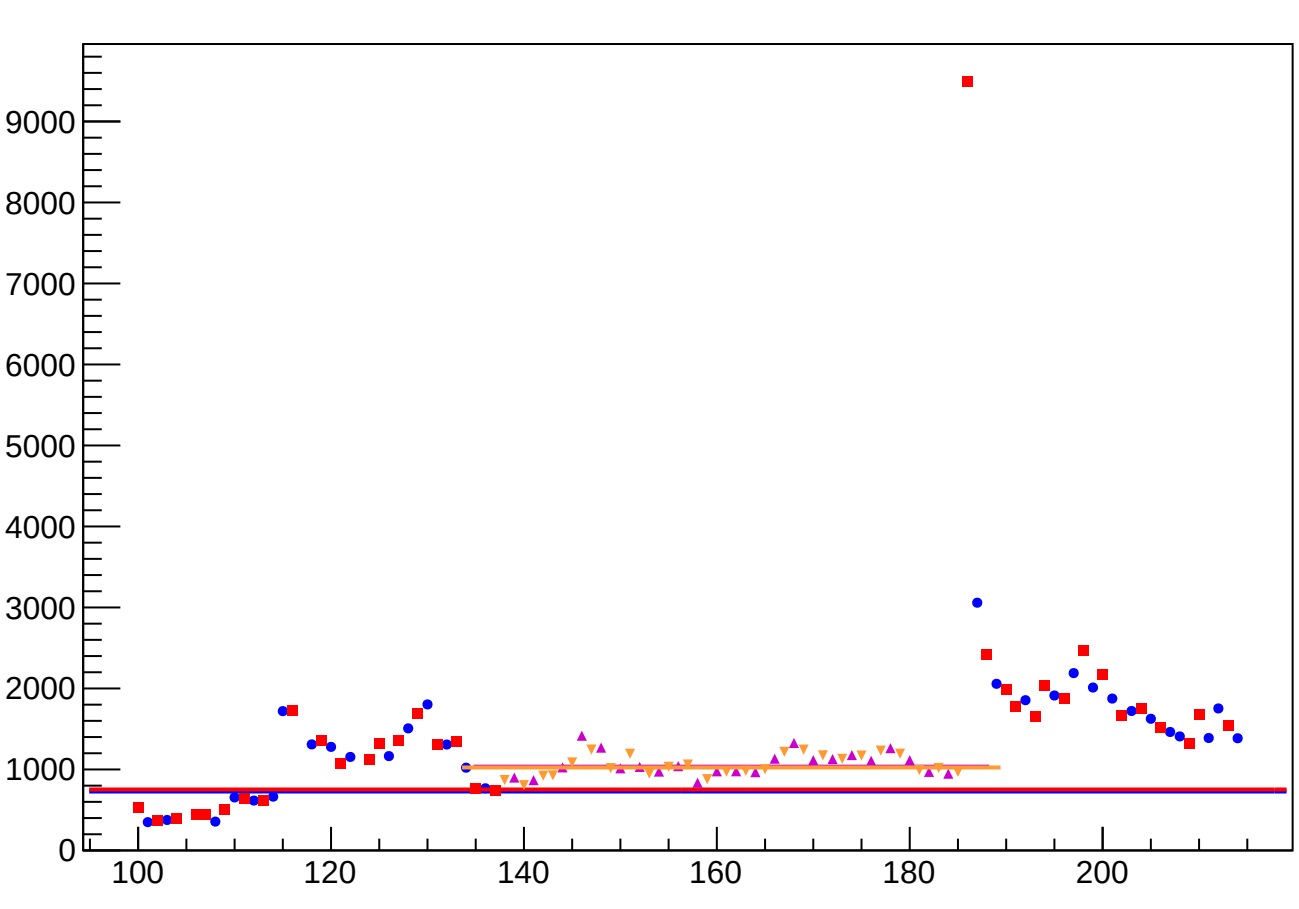
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 243.235+/-149.449 χ^2/NDF: 73.2/63

In: 306.242+/-159.260 χ^2/NDF:74.7/52

Out: 130.874+/-157.687 χ^2/NDF:66.0/58

All: 217.688+/-112.054 χ^2/NDF: 141.3/111



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

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

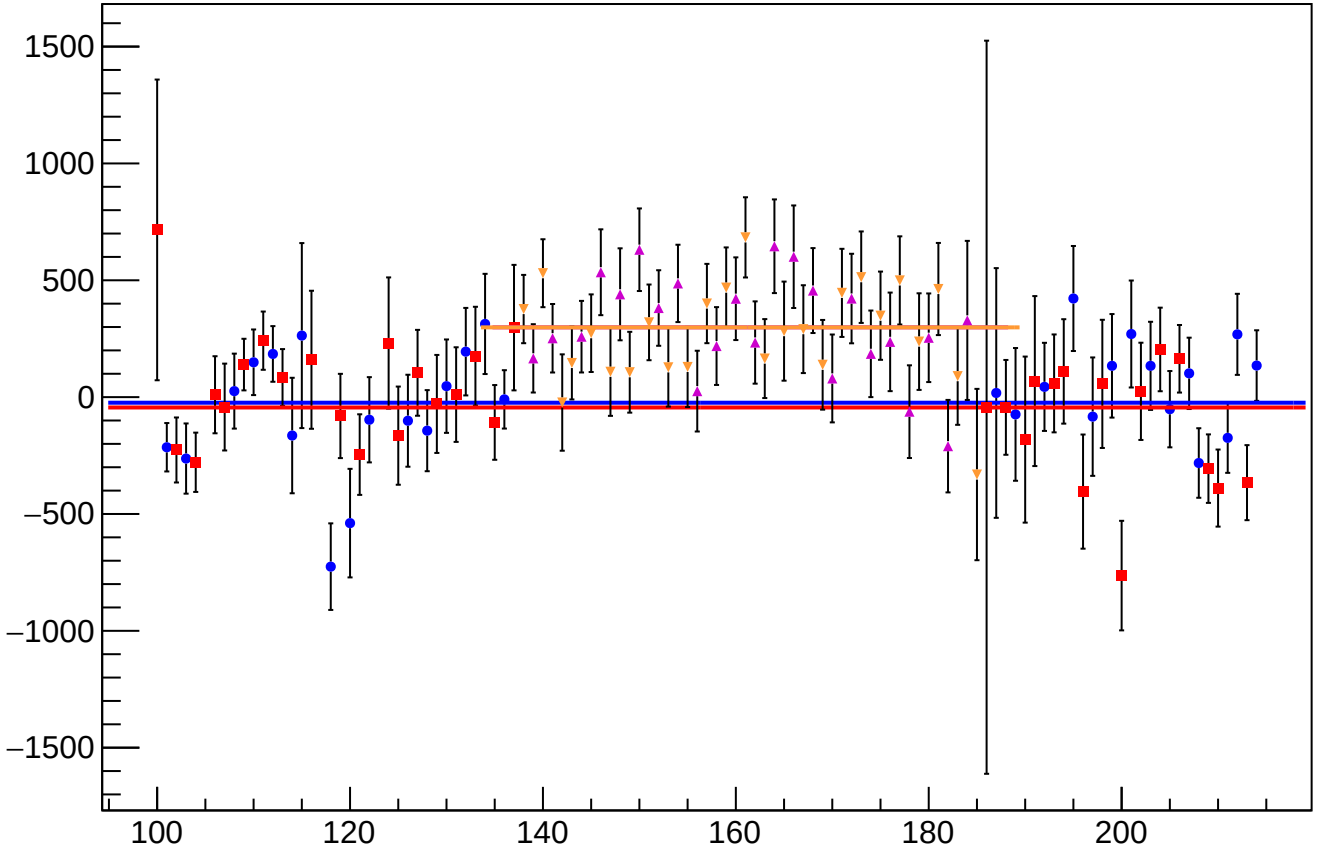
Right: 740.099+/-0.106 χ^2/NDF: 24977106.7/63

In: 858.193+/-0.113 χ^2/NDF:14775990.6/52

Out: 875.053+/-0.112 χ^2/NDF:14696059.6/58

All: 866.707+/-0.079 χ^2/NDF: 29483368.8/11

cor_asym_sam6_mean vs Slug, Sign Corrected



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

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

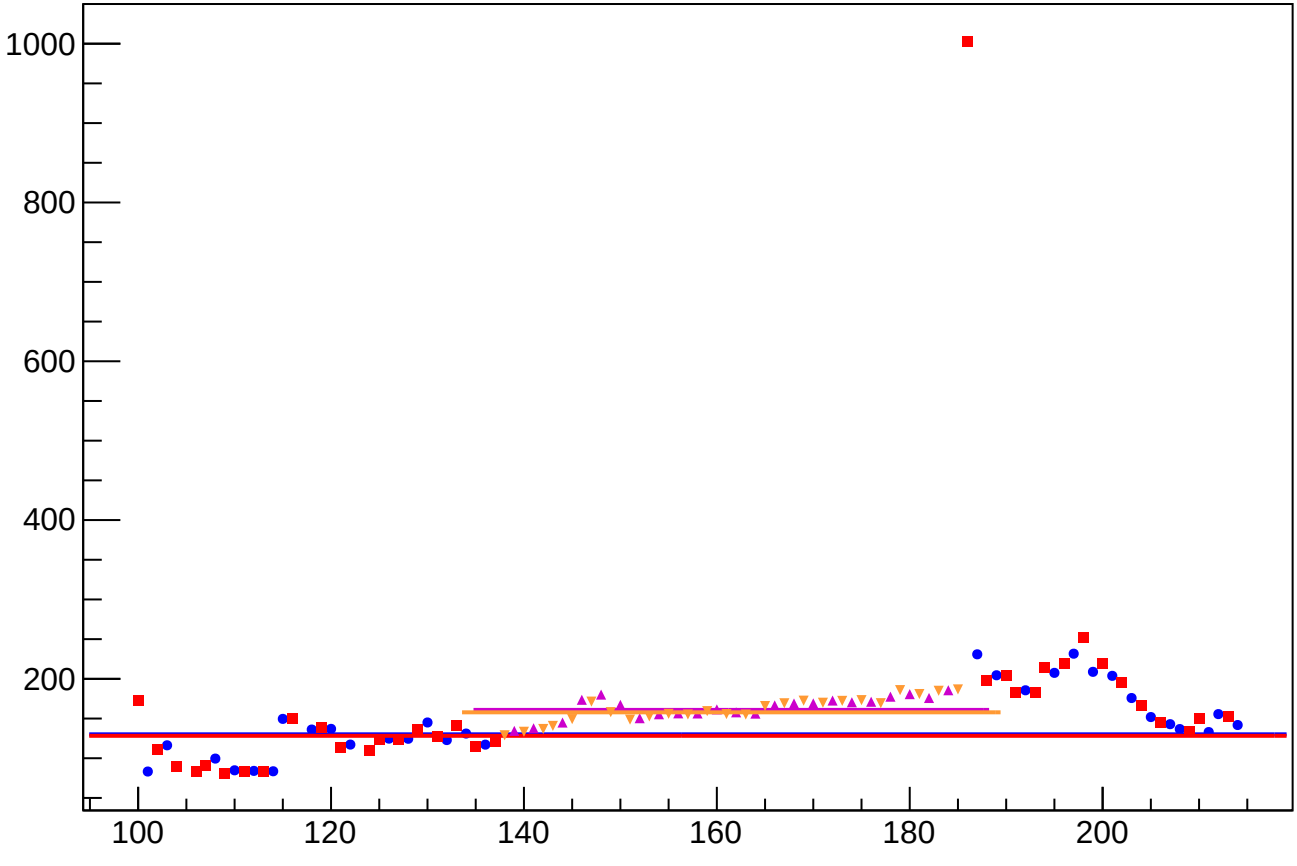
Right: -34.212+/-22.326 χ^2/NDF: 102.3/63

In: 109.929+/-24.299 χ^2/NDF:123.4/52

Out: 103.506+/-23.671 χ^2/NDF:128.3/58

All: 106.634+/-16.956 χ^2/NDF: 251.8/111

cor_asym_sam6_rms vs Slug, Sign Corrected



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

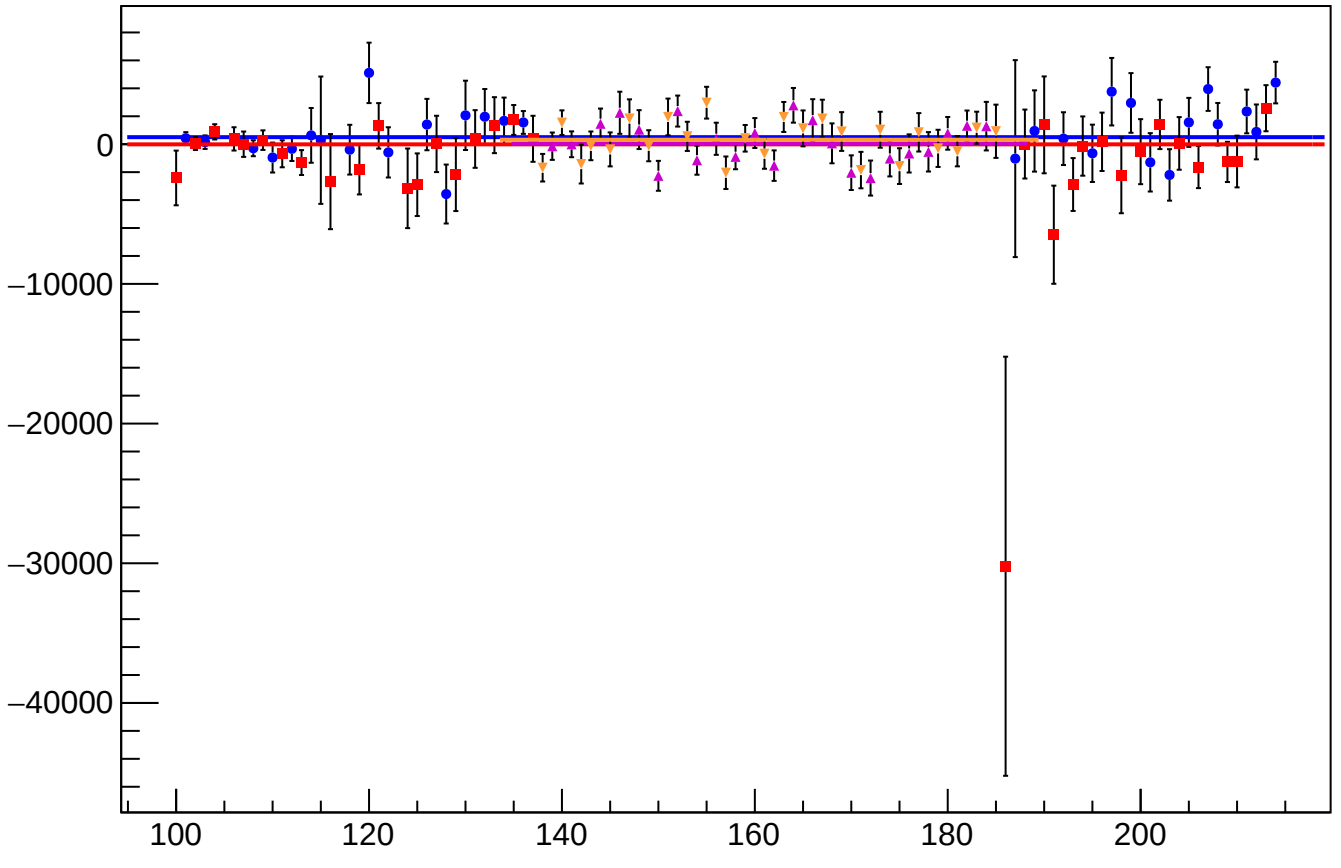
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.175+/-0.016 χ^2/NDF: 7024582.5/63

In: 142.872+/-0.017 χ^2/NDF:3809377.8/52

Out: 141.013+/-0.017 χ^2/NDF:5401233.4/58

All: 141.918+/-0.012 χ^2/NDF: 9216615.1/111



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

Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

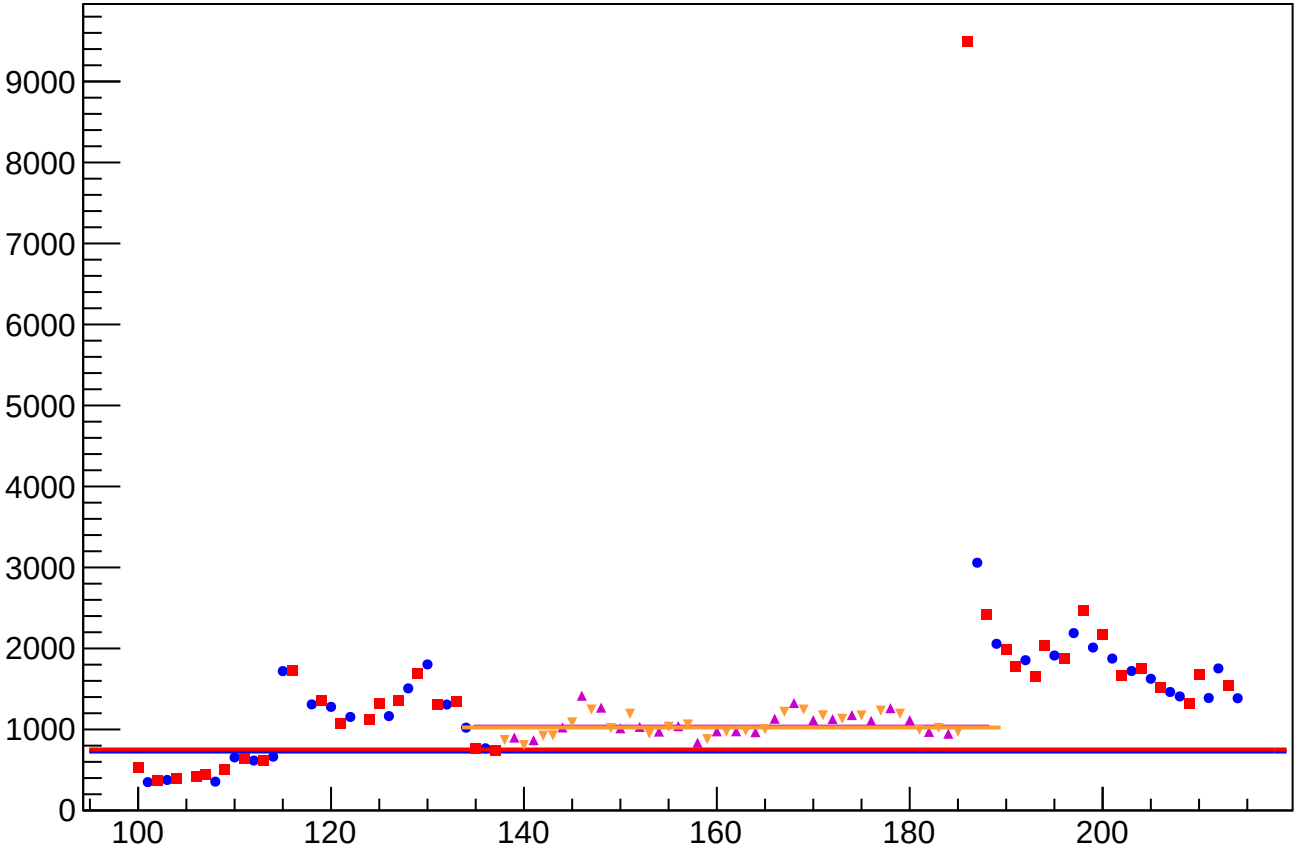
Right: 250.992+/-149.613 χ^2/NDF: 73.2/63

In: 306.308+/-159.258 χ^2/NDF:74.7/52

Out: 139.169+/-157.883 χ^2/NDF:66.1/58

All: 222.014+/-112.123 χ^2/NDF: 141.3/111

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



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

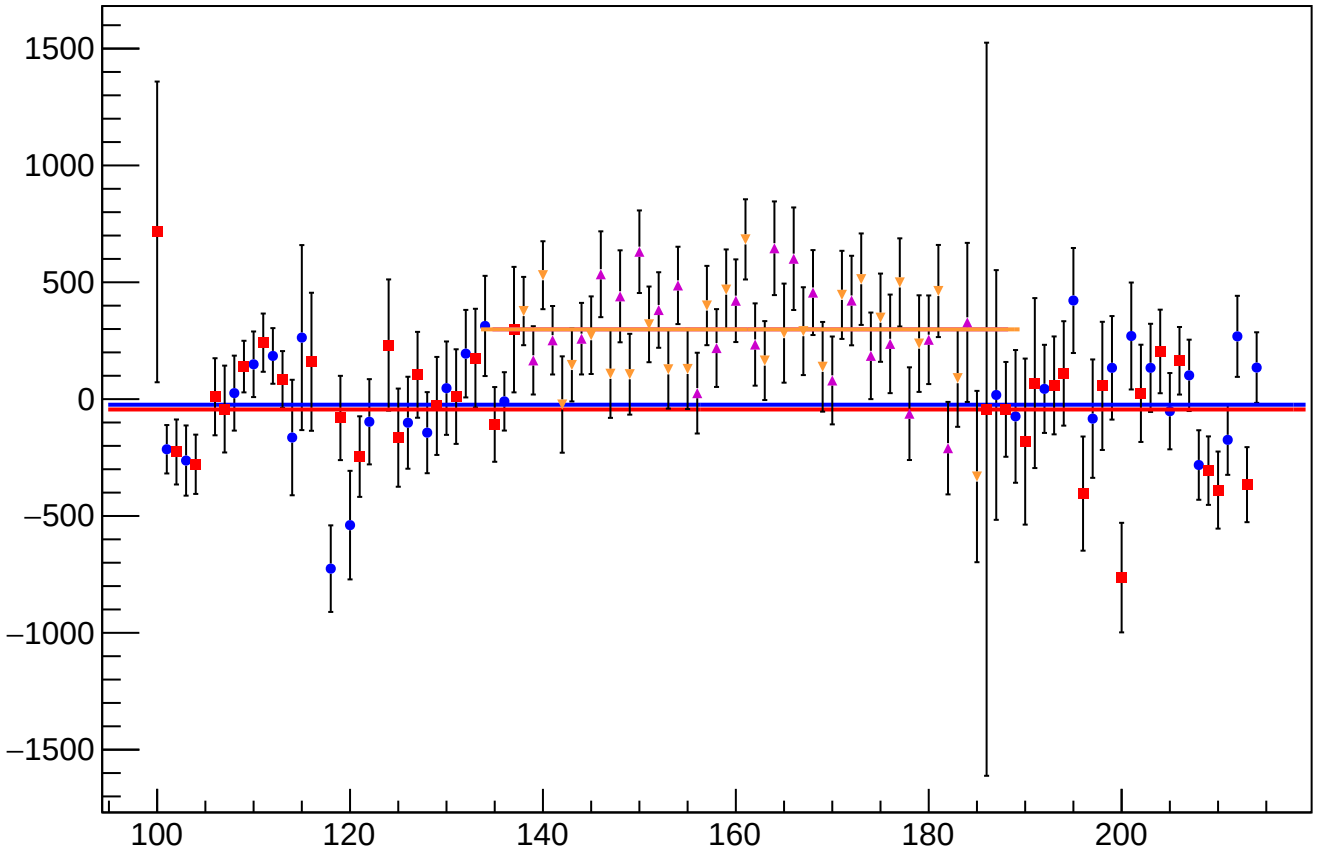
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 739.830+/-0.106 χ^2/NDF: 25011891.7/63

In: 858.174+/-0.113 χ^2/NDF:14776955.0/52

Out: 875.105+/-0.112 χ^2/NDF:14732735.9/58

All: 866.713+/-0.079 χ^2/NDF: 29521092.0/1



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

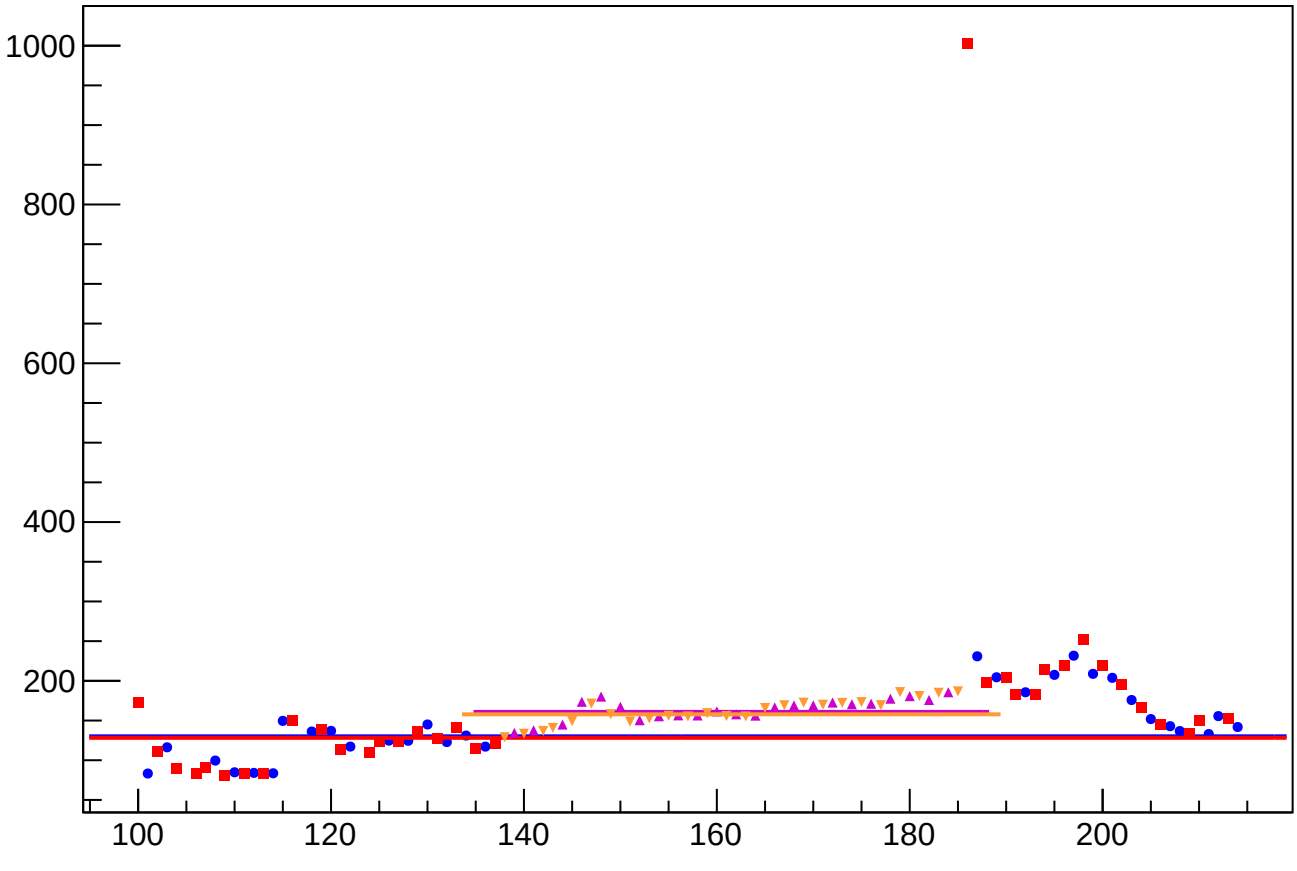
Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

Right: -34.212+/-22.326 χ^2/NDF: 102.3/63

In: 109.929+/-24.299 χ^2/NDF:123.4/52

Out: 103.506+/-23.671 χ^2/NDF:128.3/58

All: 106.634+/-16.956 χ^2/NDF: 251.8/111



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

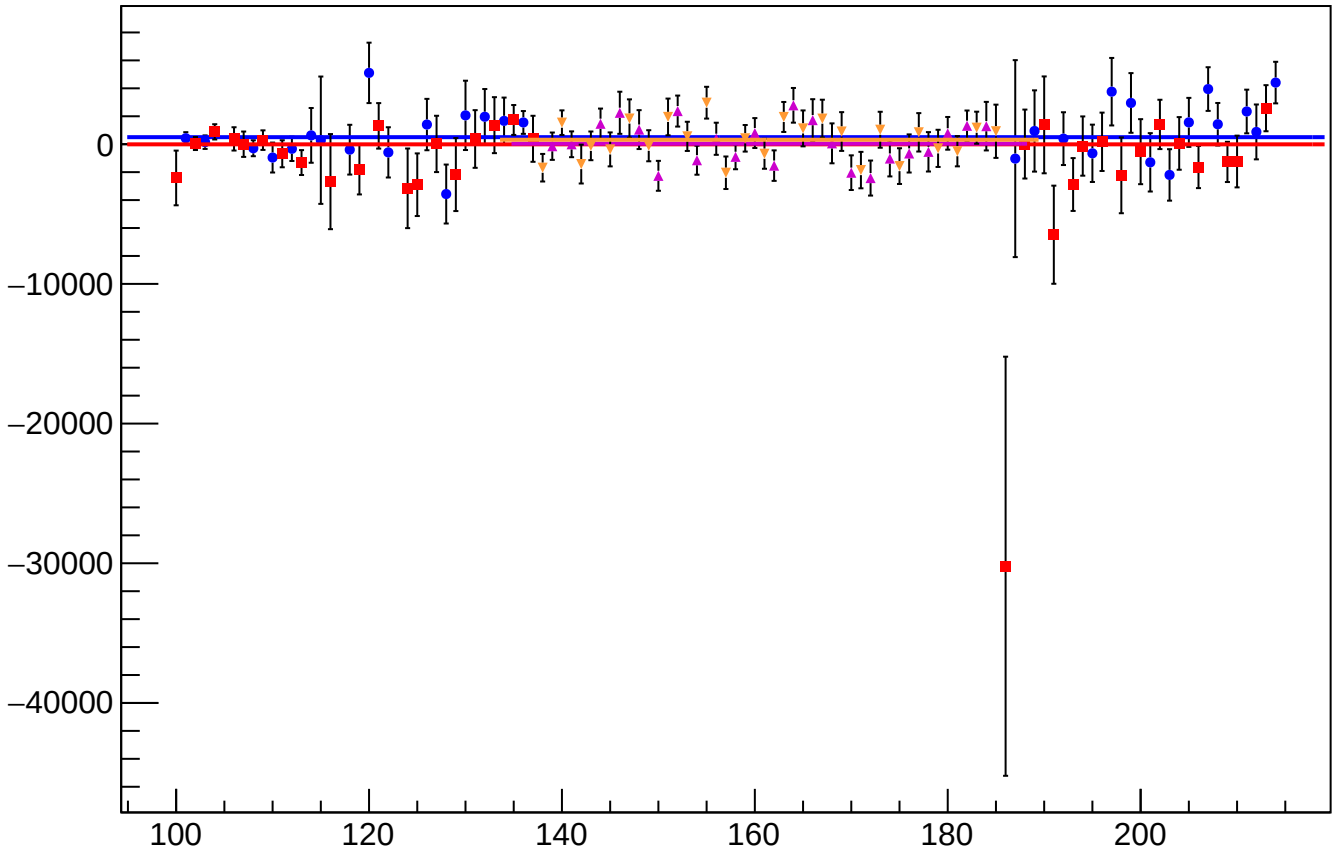
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.175+/-0.016 χ^2/NDF: 7024582.5/63

In: 142.872+/-0.017 χ^2/NDF:3809377.8/52

Out: 141.013+/-0.017 χ^2/NDF:5401233.4/58

All: 141.918+/-0.012 χ^2/NDF: 9216615.1/111



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

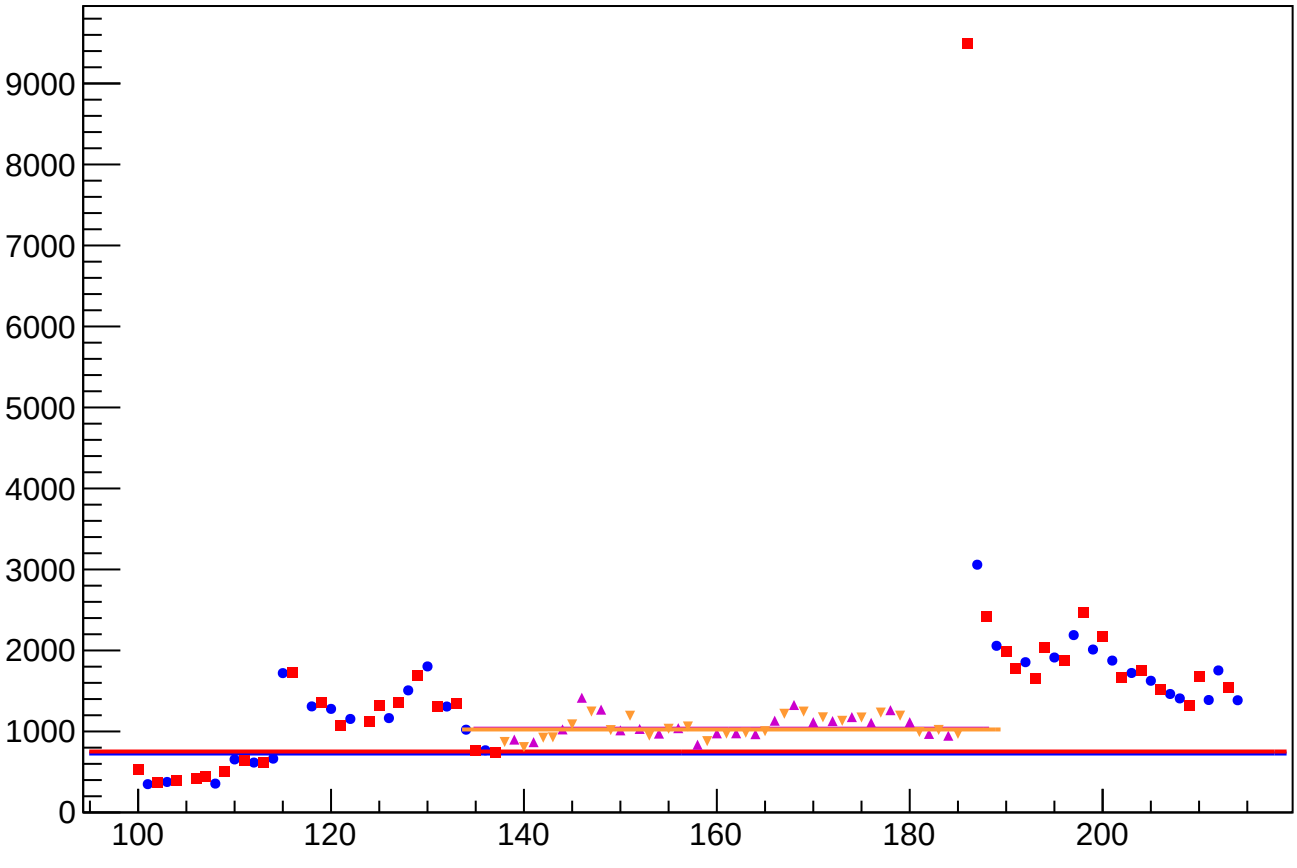
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 250.992+/-149.613 χ^2/NDF: 73.2/63

In: 306.308+/-159.258 χ^2/NDF:74.7/52

Out: 139.169+/-157.883 χ^2/NDF:66.1/58

All: 222.014+/-112.123 χ^2/NDF: 141.3/111



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

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

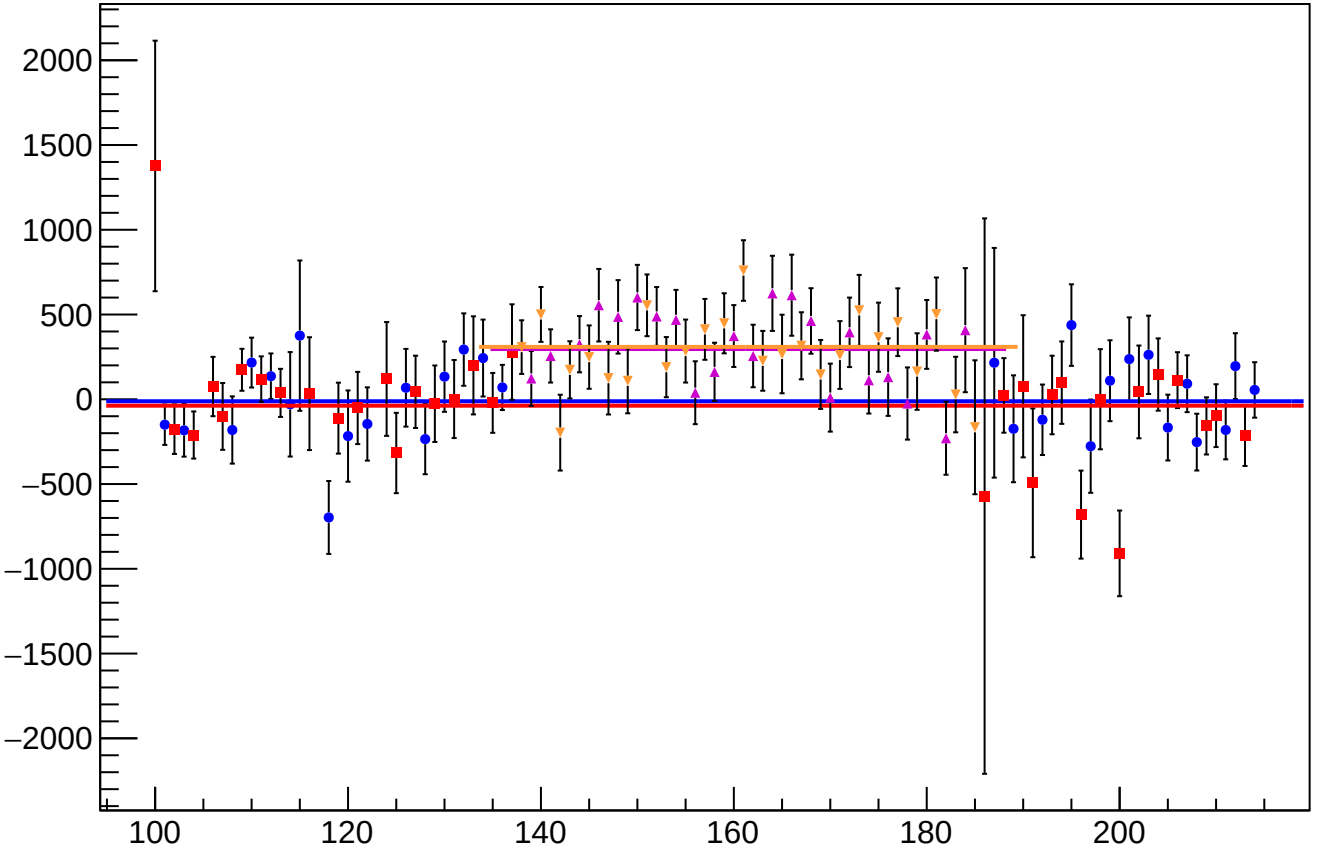
Right: 739.830+/-0.106 χ^2/NDF: 25011891.7/63

In: 858.174+/-0.113 χ^2/NDF:14776955.0/52

Out: 875.105+/-0.112 χ^2/NDF:14732735.9/58

All: 866.713+/-0.079 χ^2/NDF: 29521092.0/11

dit_asym_sam6_mean vs Slug, Sign Corrected



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

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

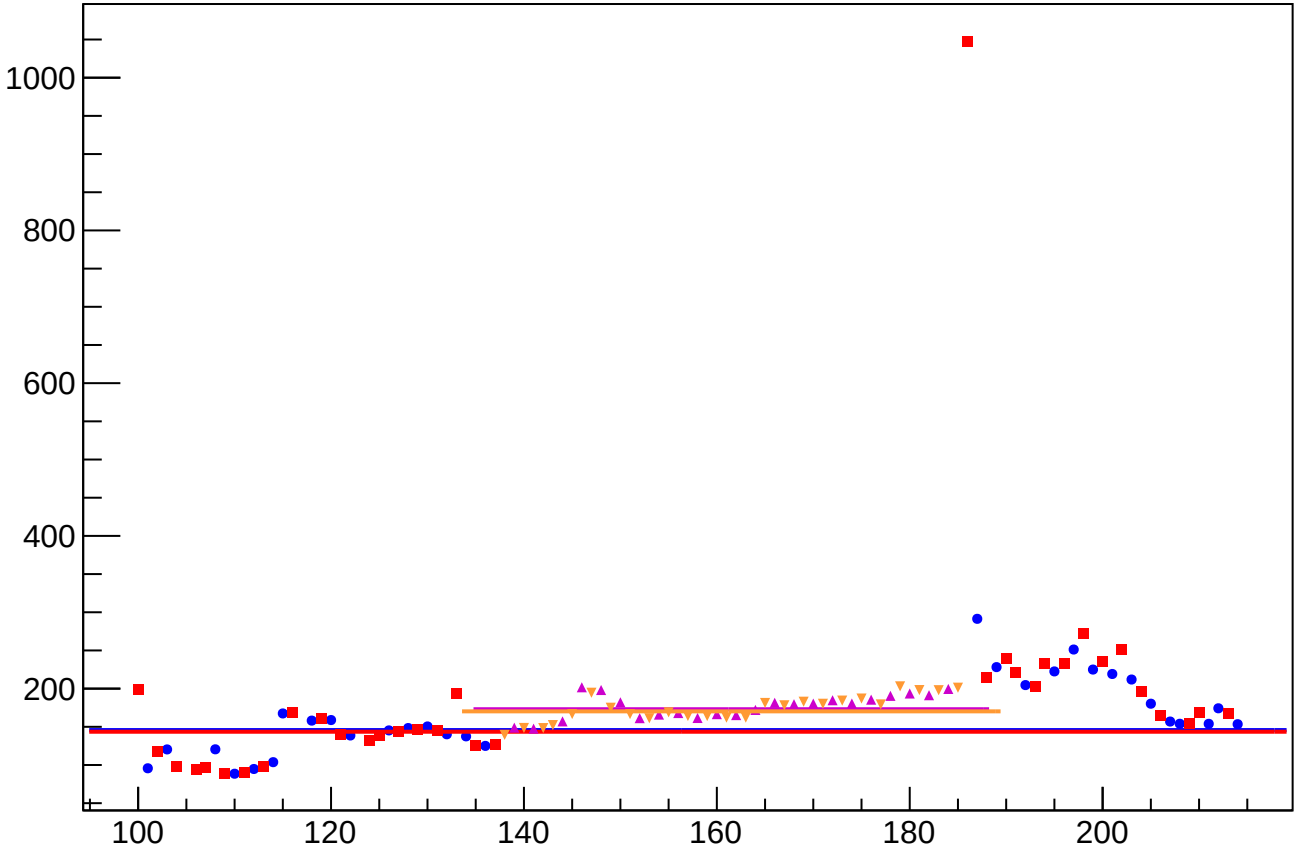
Right: -24.861+/-25.058 χ^2/NDF: 75.7/63

In: 122.374+/-26.778 χ^2/NDF:97.7/52

Out: 118.590+/-26.123 χ^2/NDF:107.3/58

All: 120.435+/-18.699 χ^2/NDF: 205.1/111

dit_asym_sam6_rms vs Slug, Sign Corrected



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

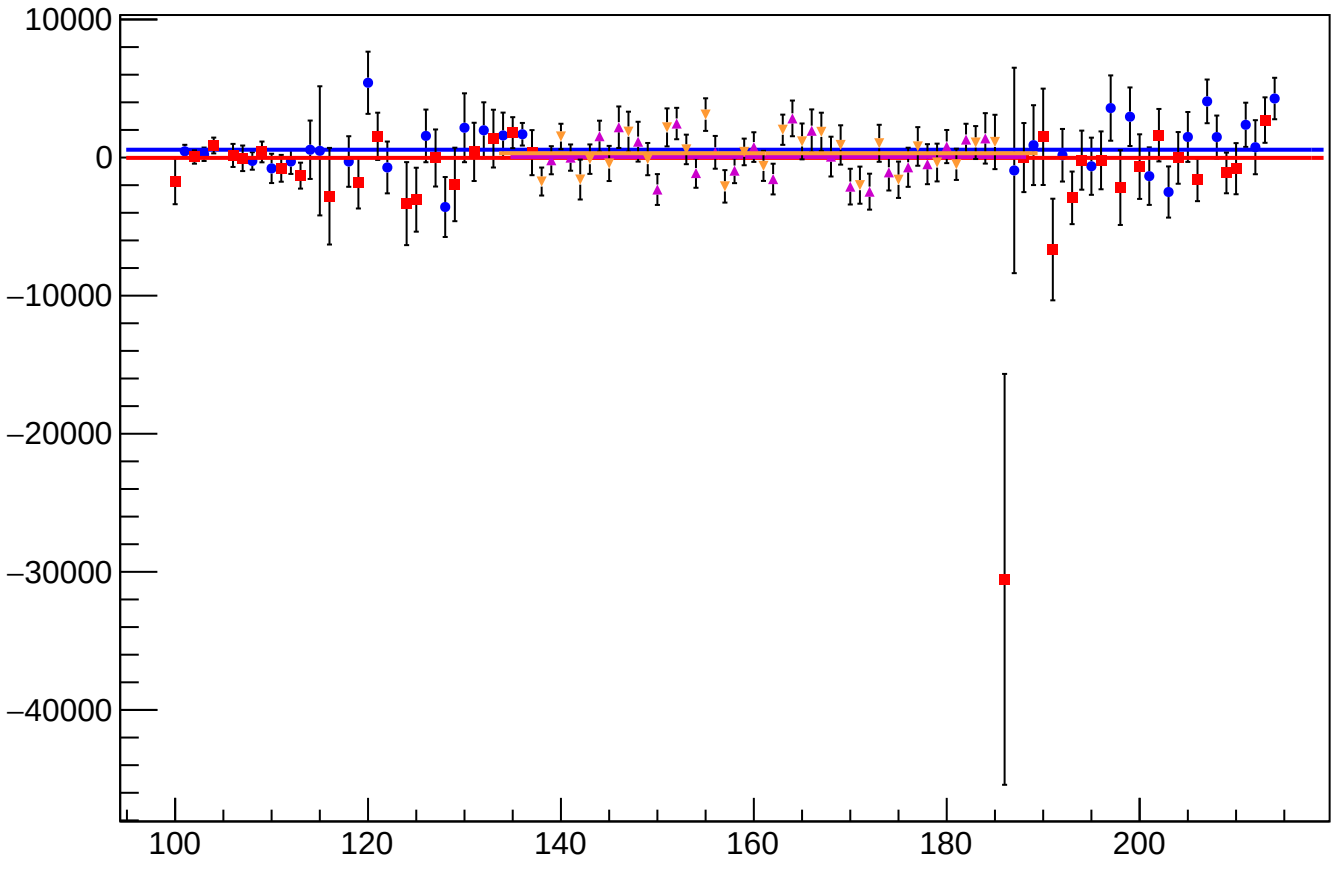
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 144.639+/-0.018 χ^2/NDF: 7141479.2/63

In: 157.607+/-0.019 χ^2/NDF:3520106.9/52

Out: 155.591+/-0.018 χ^2/NDF:5304353.4/58

All: 156.574+/-0.013 χ^2/NDF: 8830269.0/11



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

Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

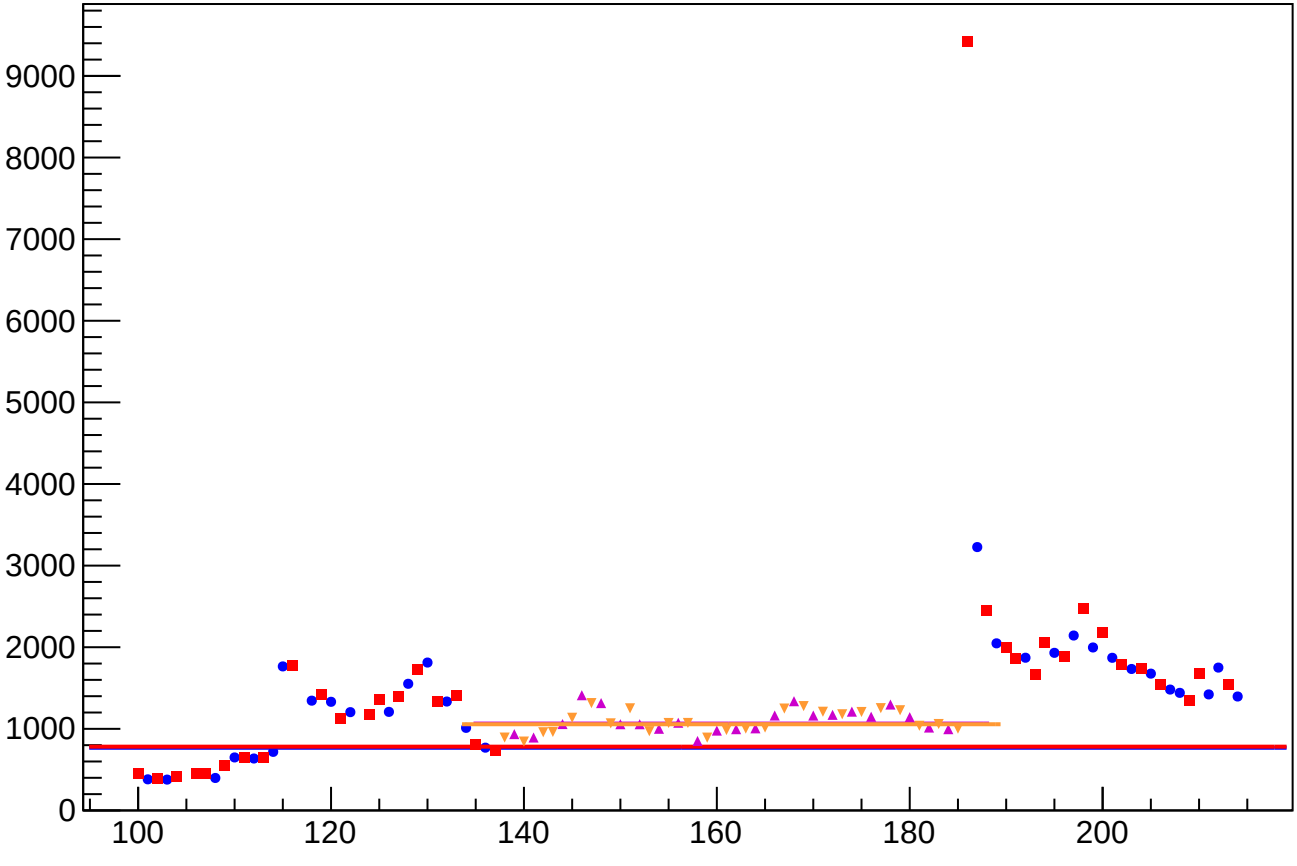
Right: 273.045+/-154.893 χ^2/NDF: 71.9/63

In: 343.240+/-164.924 χ^2/NDF:73.7/52

Out: 128.323+/-162.703 χ^2/NDF:65.4/58

All: 234.324+/-115.825 χ^2/NDF: 140.0/111

asym_sam6_dit_correction_rms vs Slug, Sign Corrected



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

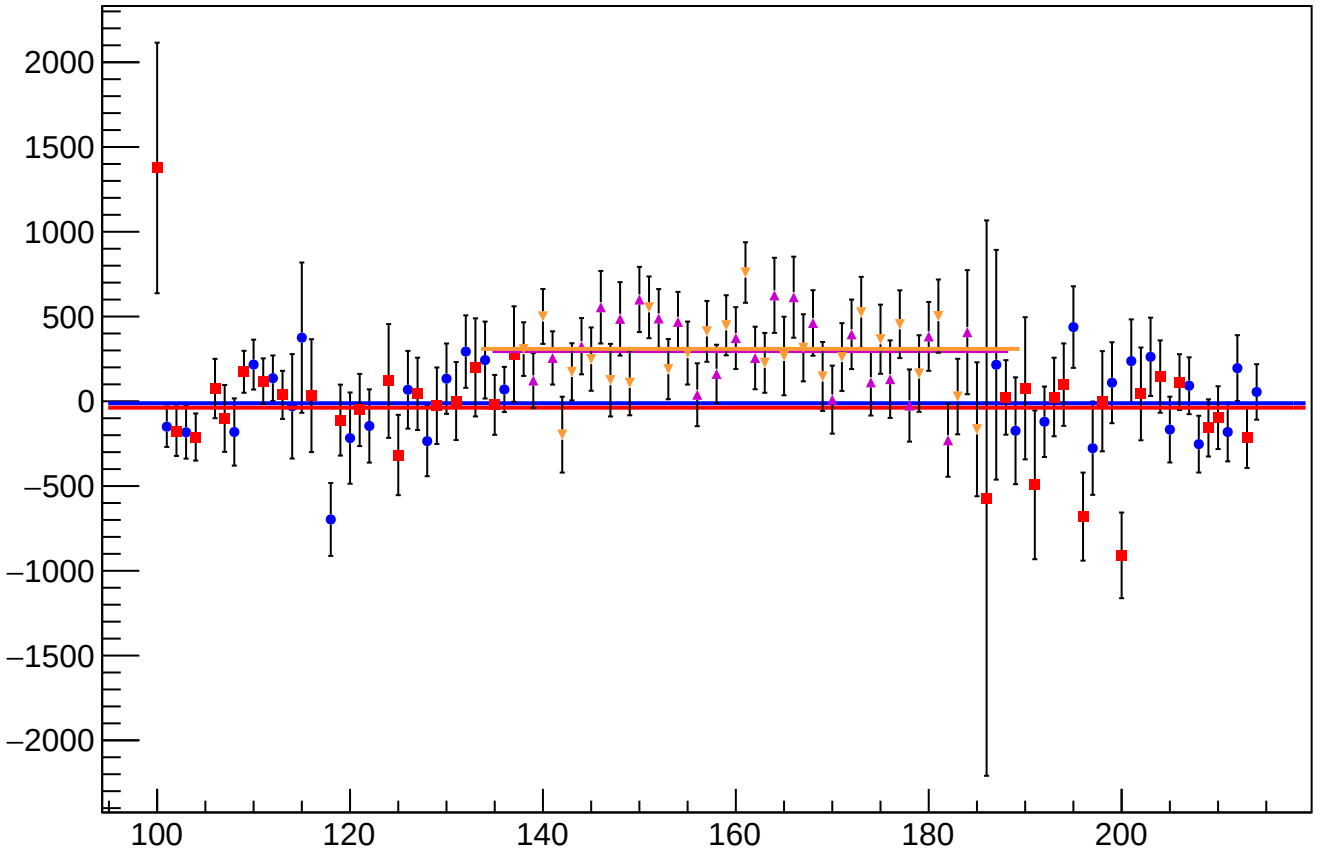
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 774.912+/-0.110 χ^2/NDF: 24057509.8/63

In: 895.997+/-0.117 χ^2/NDF:13854995.4/52

Out: 905.369+/-0.115 χ^2/NDF:14416412.3/58

All: 900.746+/-0.082 χ^2/NDF: 28274681.0/11



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

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

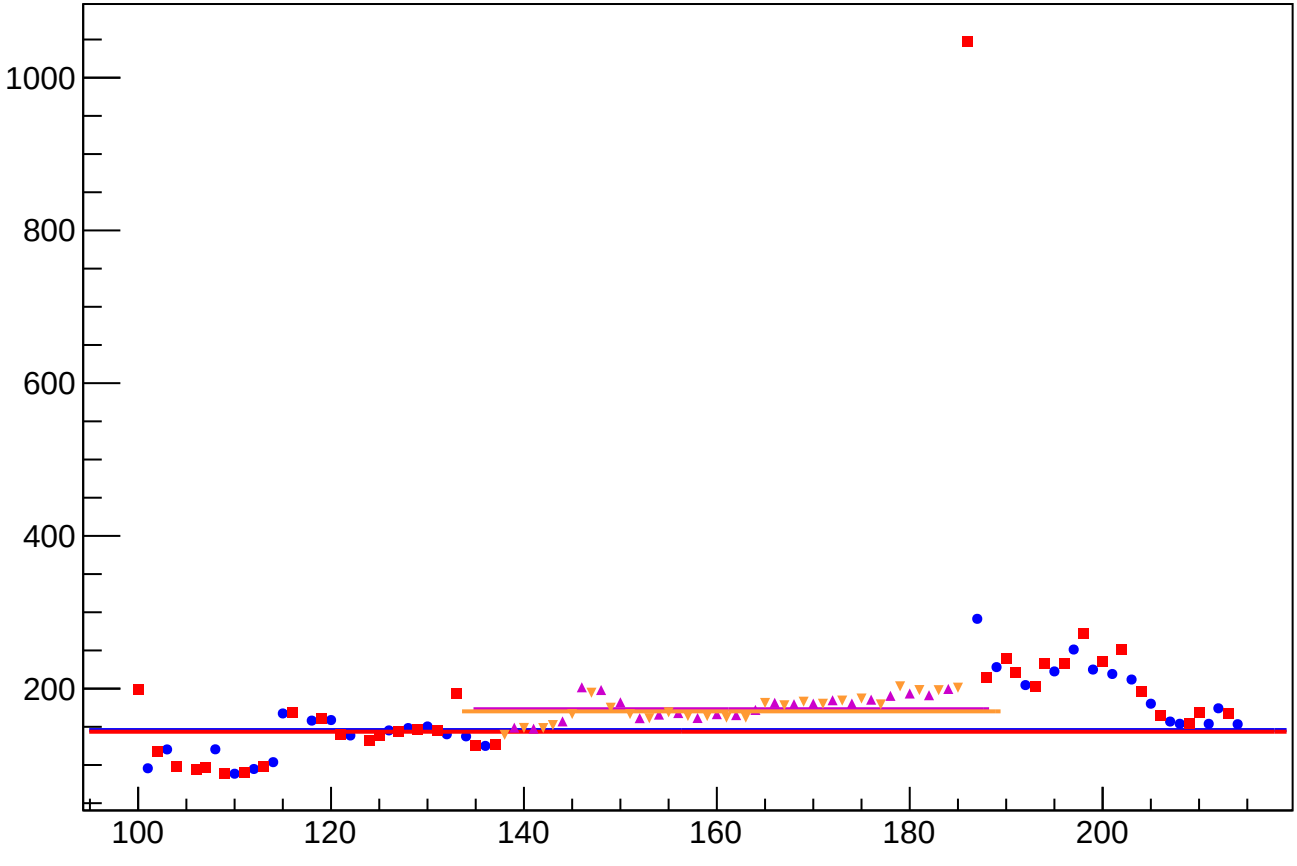
Right: -24.862+/-25.058 χ^2/NDF: 75.7/63

In: 122.374+/-26.778 χ^2/NDF:97.7/52

Out: 118.591+/-26.123 χ^2/NDF:107.3/58

All: 120.435+/-18.699 χ^2/NDF: 205.1/111

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



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

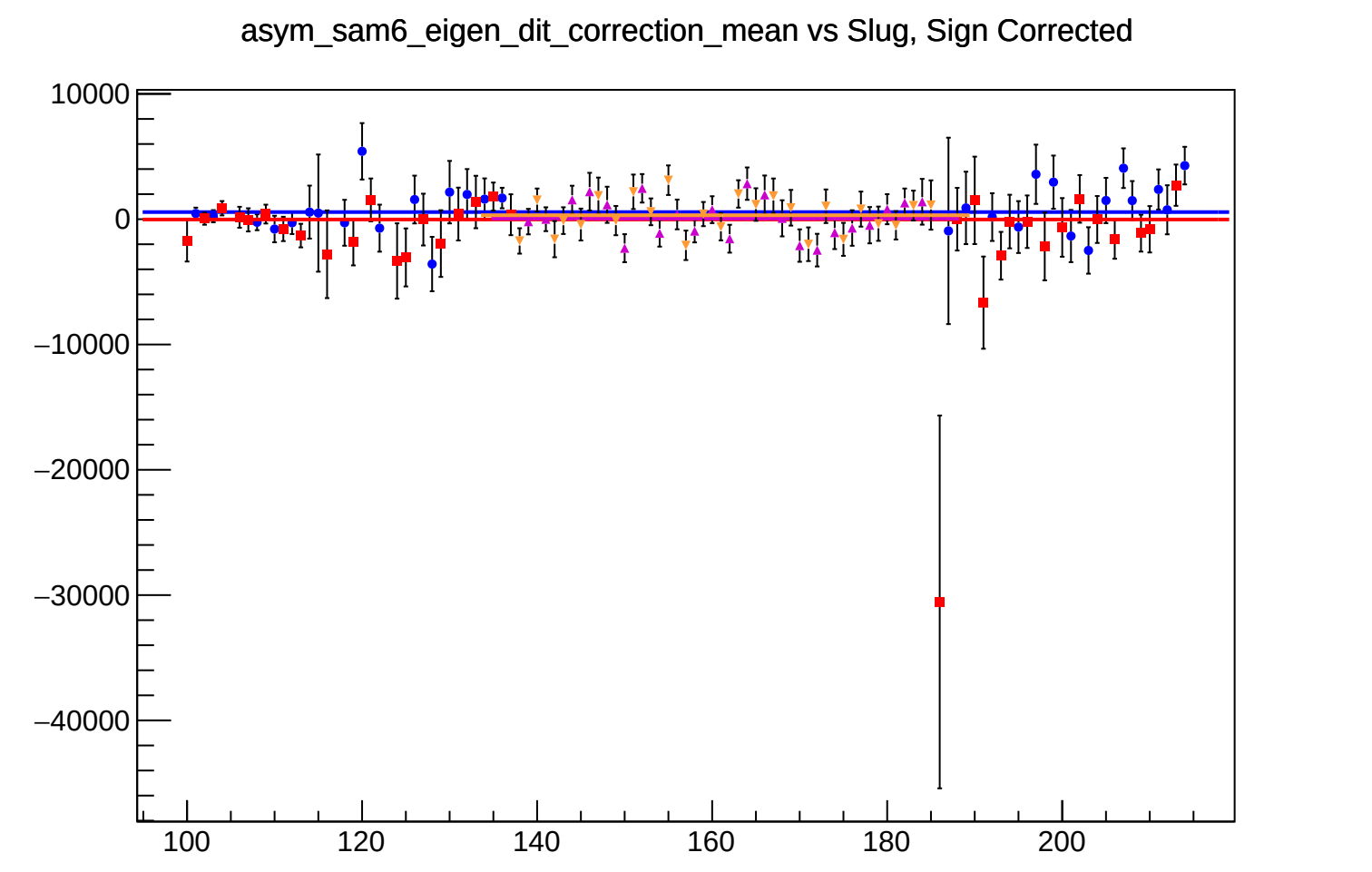
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 144.639+/-0.018 χ^2/NDF: 7141505.4/63

In: 157.606+/-0.019 χ^2/NDF:3520130.0/52

Out: 155.590+/-0.018 χ^2/NDF:5304363.1/58

All: 156.573+/-0.013 χ^2/NDF: 8830301.9/111



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

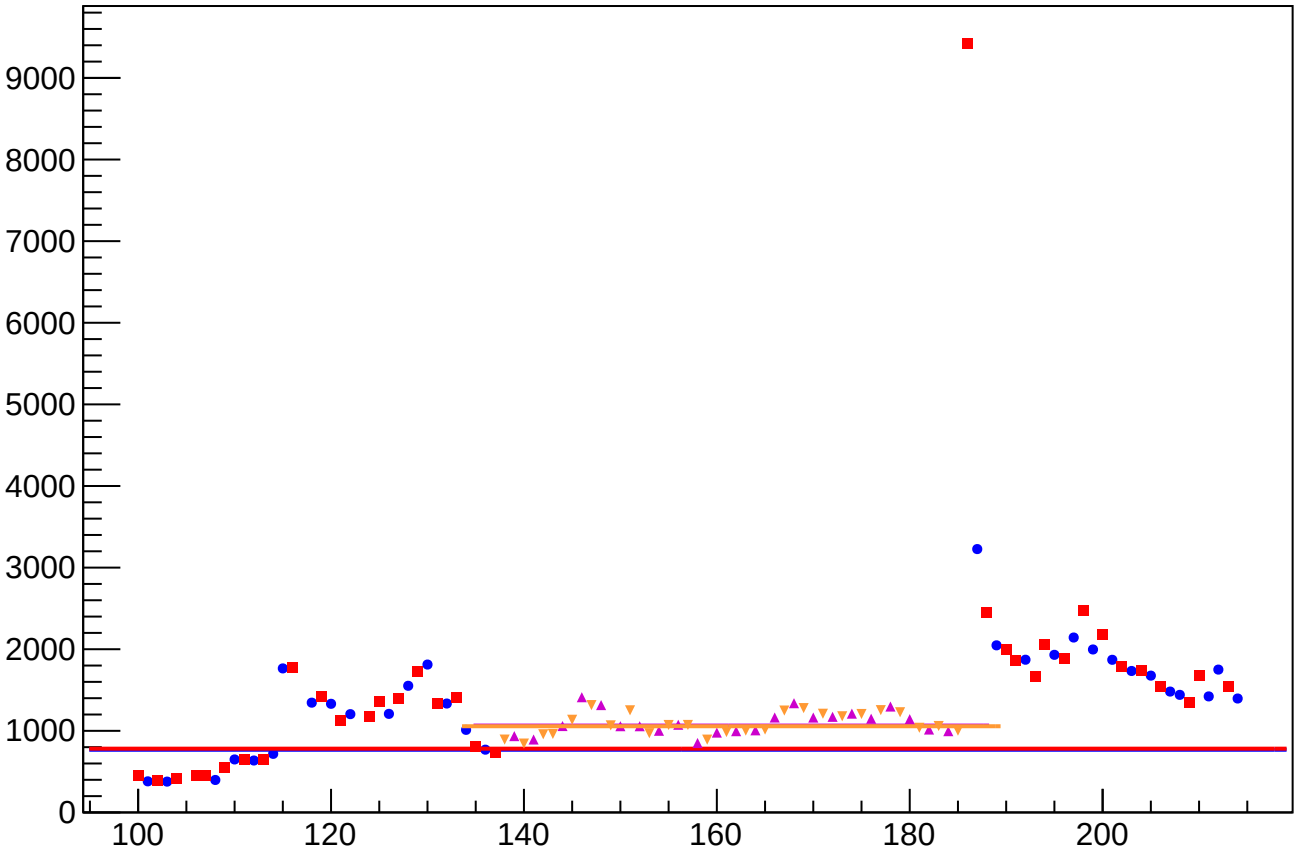
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 273.045+/-154.893 χ^2/NDF: 71.9/63

In: 343.240+/-164.924 χ^2/NDF:73.7/52

Out: 128.323+/-162.703 χ^2/NDF:65.4/58

All: 234.325+/-115.825 χ^2/NDF: 140.0/111



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

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

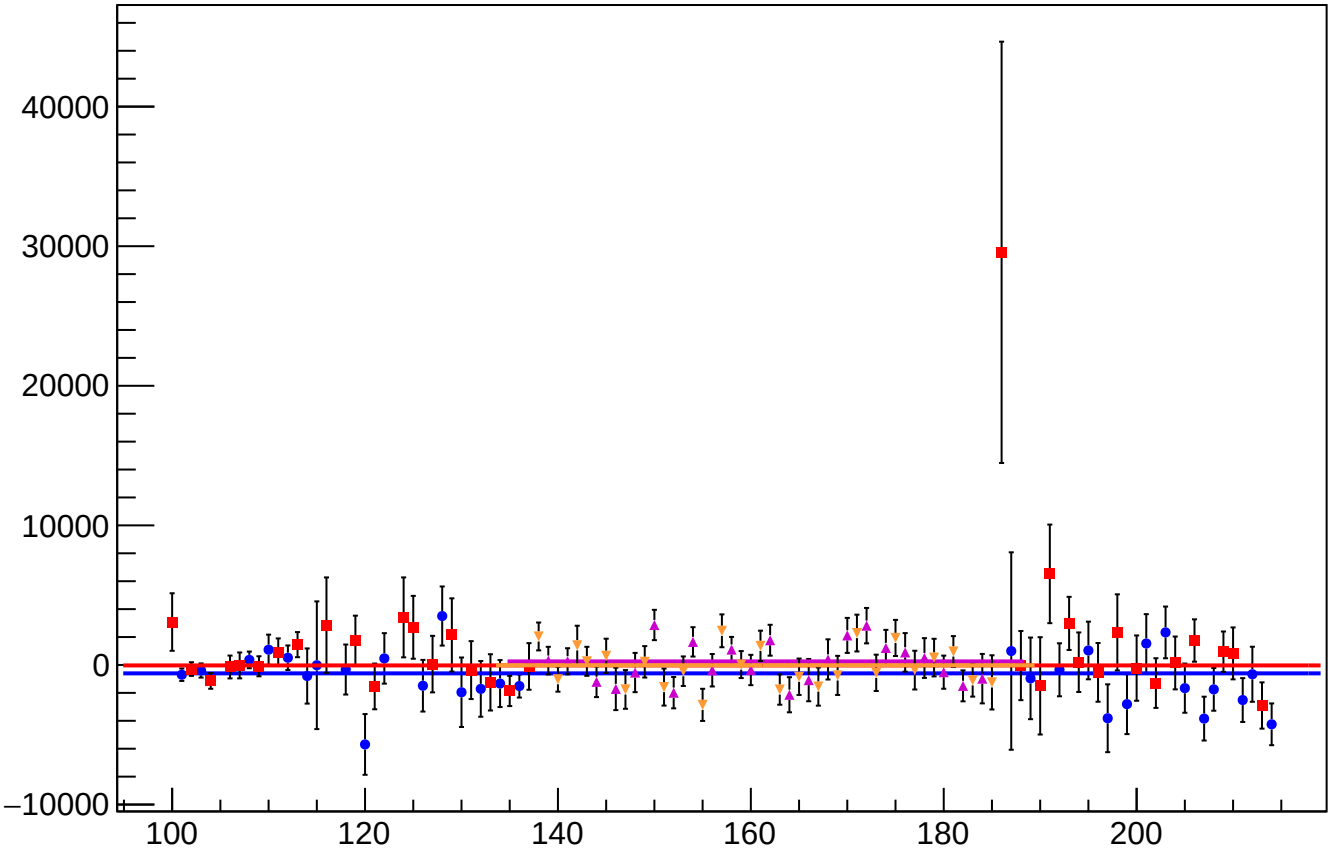
Right: 774.912+/-0.110 χ^2/NDF: 24057529.6/63

In: 895.996+/-0.117 χ^2/NDF:13855025.6/52

Out: 905.369+/-0.115 χ^2/NDF:14416431.3/58

All: 900.746+/-0.082 χ^2/NDF: 28274730.5/1

asym_sam6_mean vs Slug, Sign Corrected



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

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

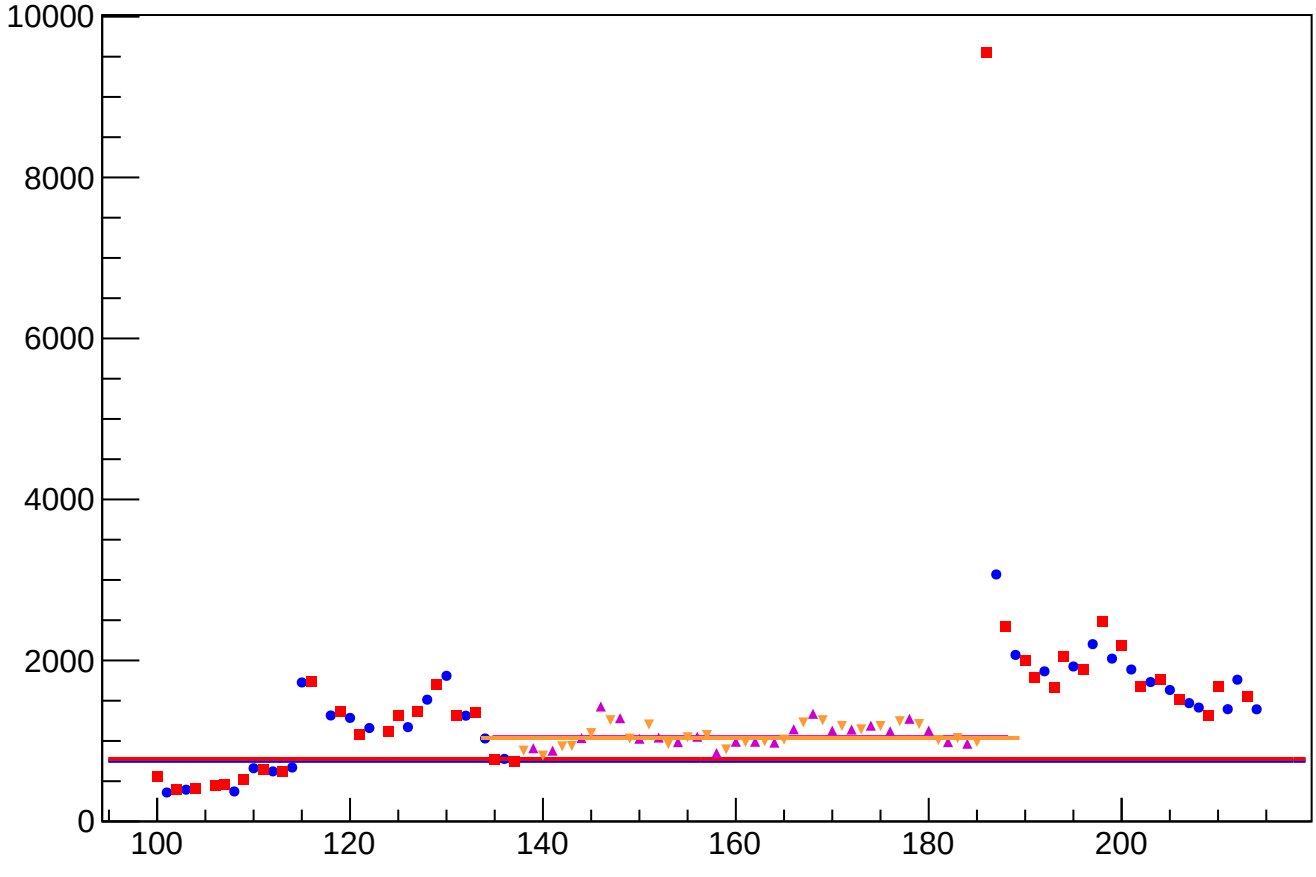
Right: -319.728+/-153.053 χ^2/NDF: 77.8/63

In: -231.461+/-162.424 χ^2/NDF:78.8/52

Out: -27.878+/-160.528 χ^2/NDF:70.4/58

All: -128.475+/-114.175 χ^2/NDF: 150.0/111

asym_sam6_rms vs Slug, Sign Corrected



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

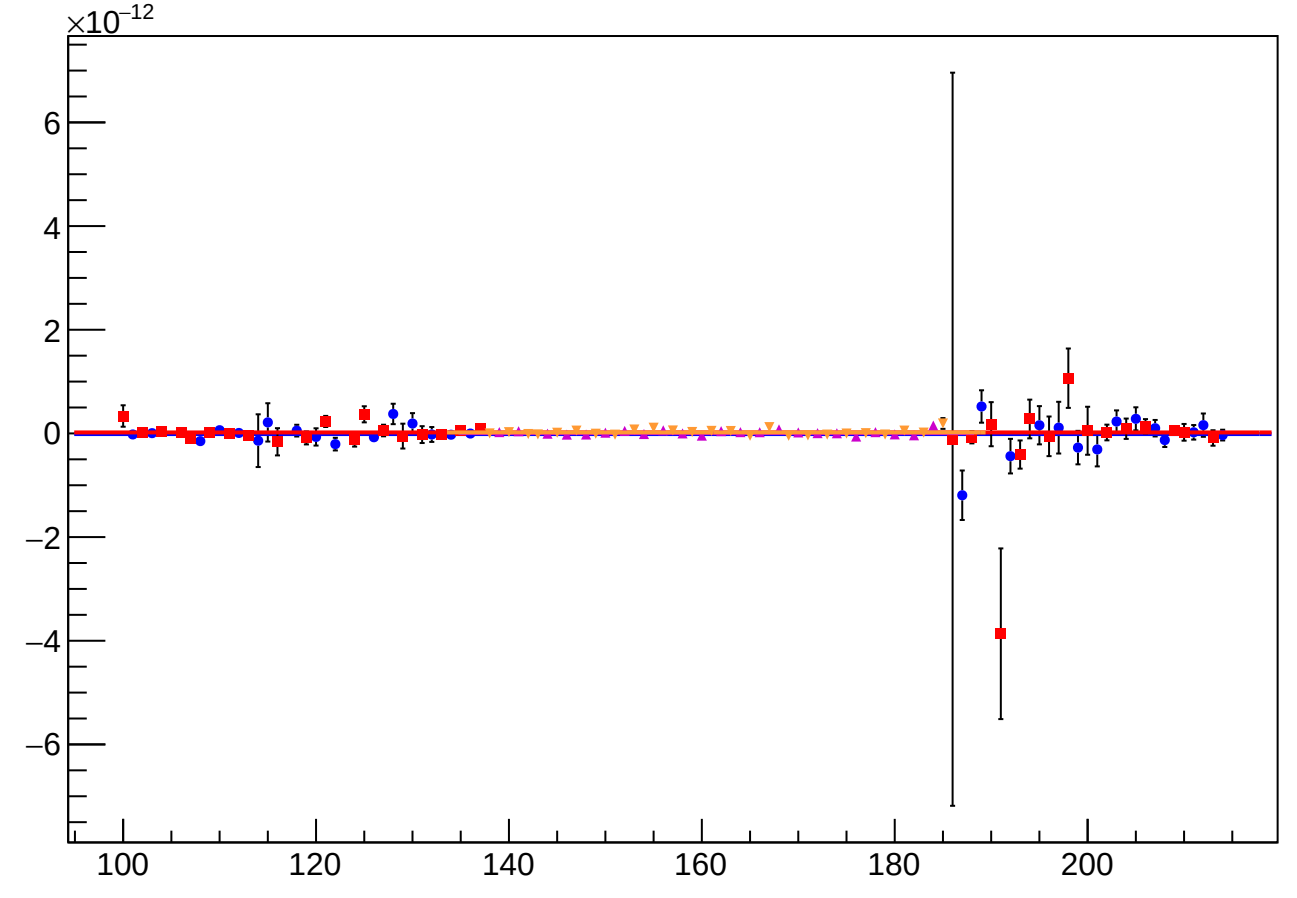
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 764.552+/-0.108 χ^2/NDF: 24130026.5/63

In: 880.285+/-0.115 χ^2/NDF:14106025.2/52

Out: 894.998+/-0.114 χ^2/NDF:14137118.7/58

All: 887.728+/-0.081 χ^2/NDF: 28251445.5/11



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

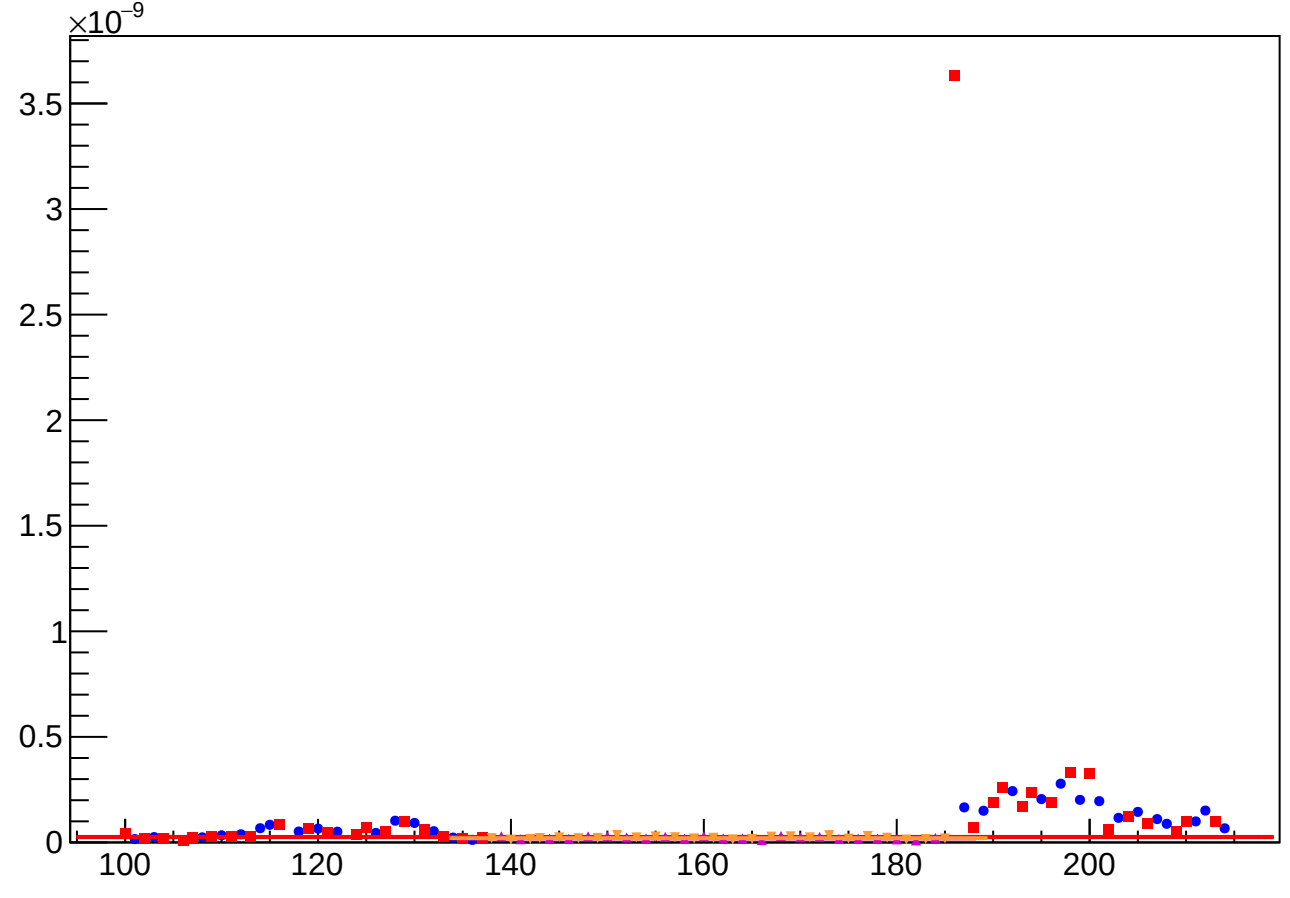
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 70.2/63

In: 0.000+/-0.000 χ^2/NDF:53.5/52

Out: 0.000+/-0.000 χ^2/NDF:64.0/58

All: 0.000+/-0.000 χ^2/NDF: 121.3/111



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

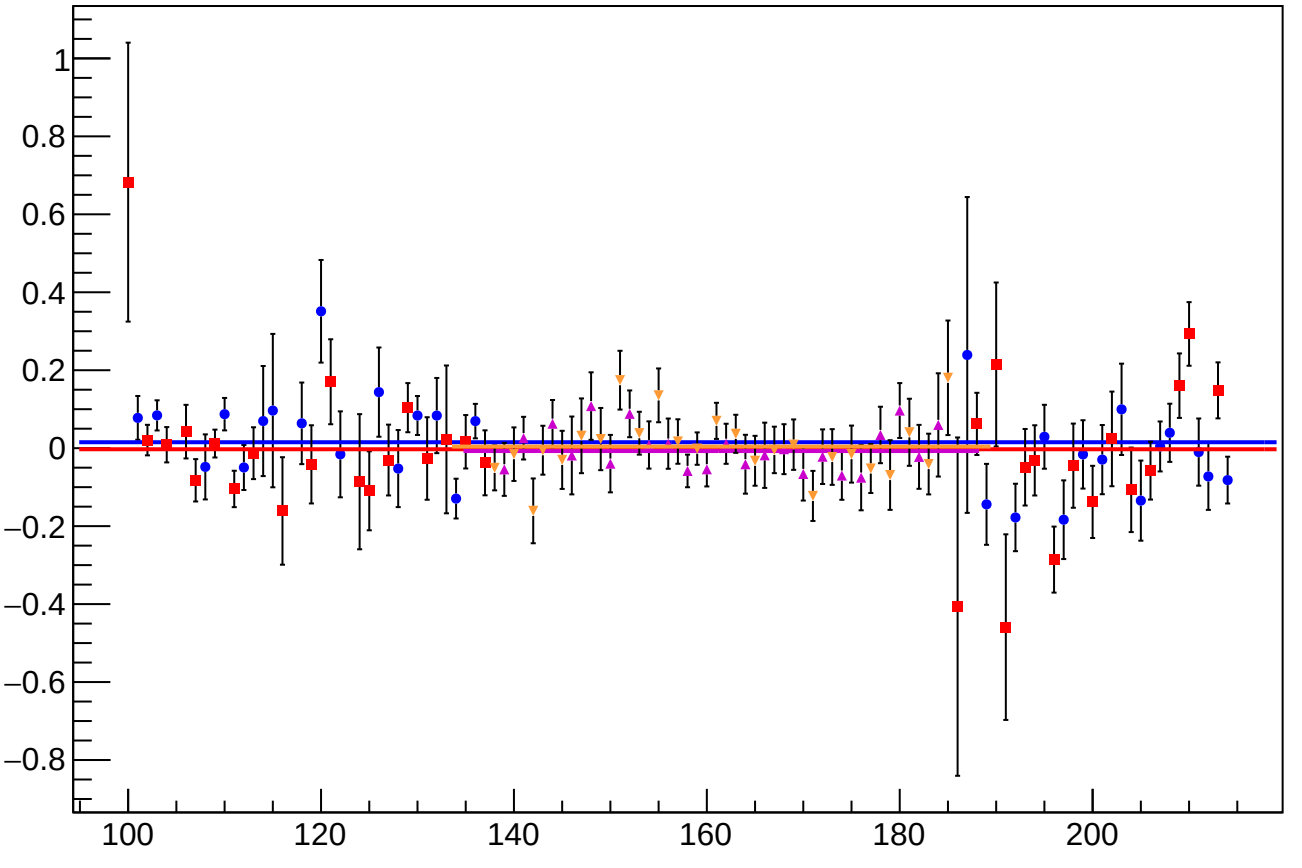
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 17600140.9/63

In: 0.000+/-0.000 χ^2/NDF:10655263.3/52

Out: 0.000+/-0.000 χ^2/NDF:9640674.2/58

All: 0.000+/-0.000 χ^2/NDF: 20308576.9/111



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

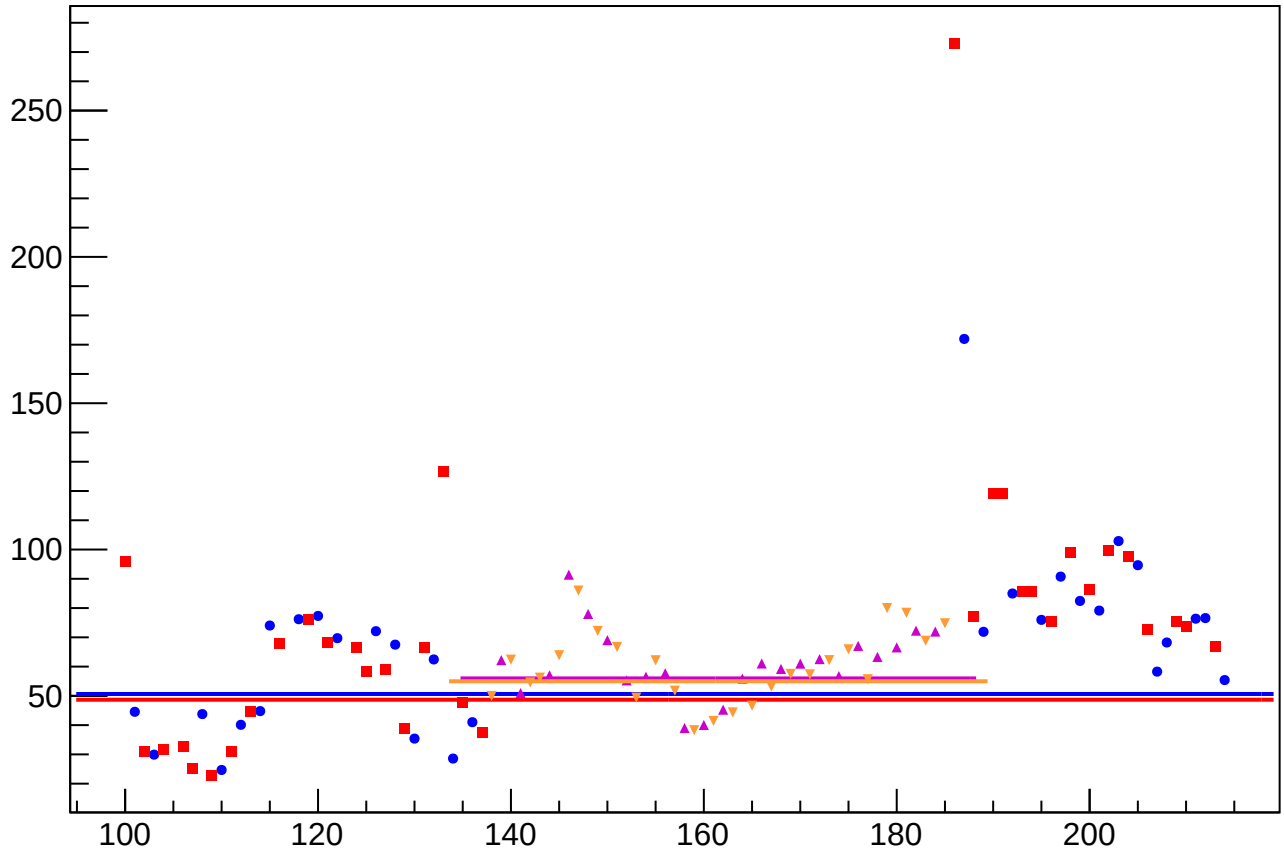
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.006+/-0.009 χ^2/NDF: 112.7/63

In: 0.004+/-0.009 χ^2/NDF:65.0/52

Out: 0.001+/-0.009 χ^2/NDF:88.2/58

All: 0.002+/-0.007 χ^2/NDF: 153.2/111



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

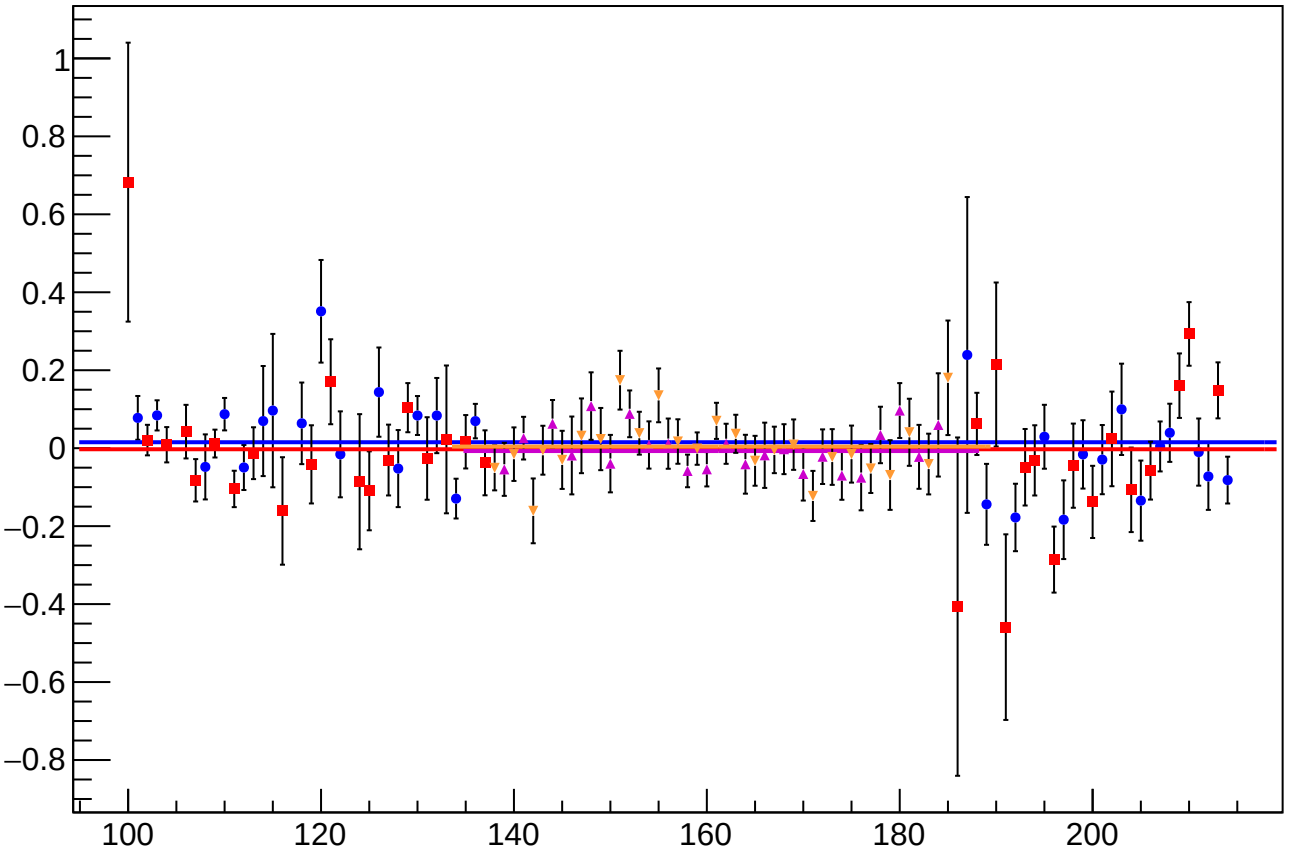
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 49.643+/-0.007 χ^2/NDF: 13034935.9/63

In: 53.229+/-0.007 χ^2/NDF:6958891.3/52

Out: 51.828+/-0.006 χ^2/NDF:9422393.3/58

All: 52.508+/-0.005 χ^2/NDF: 16404004.5/111



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

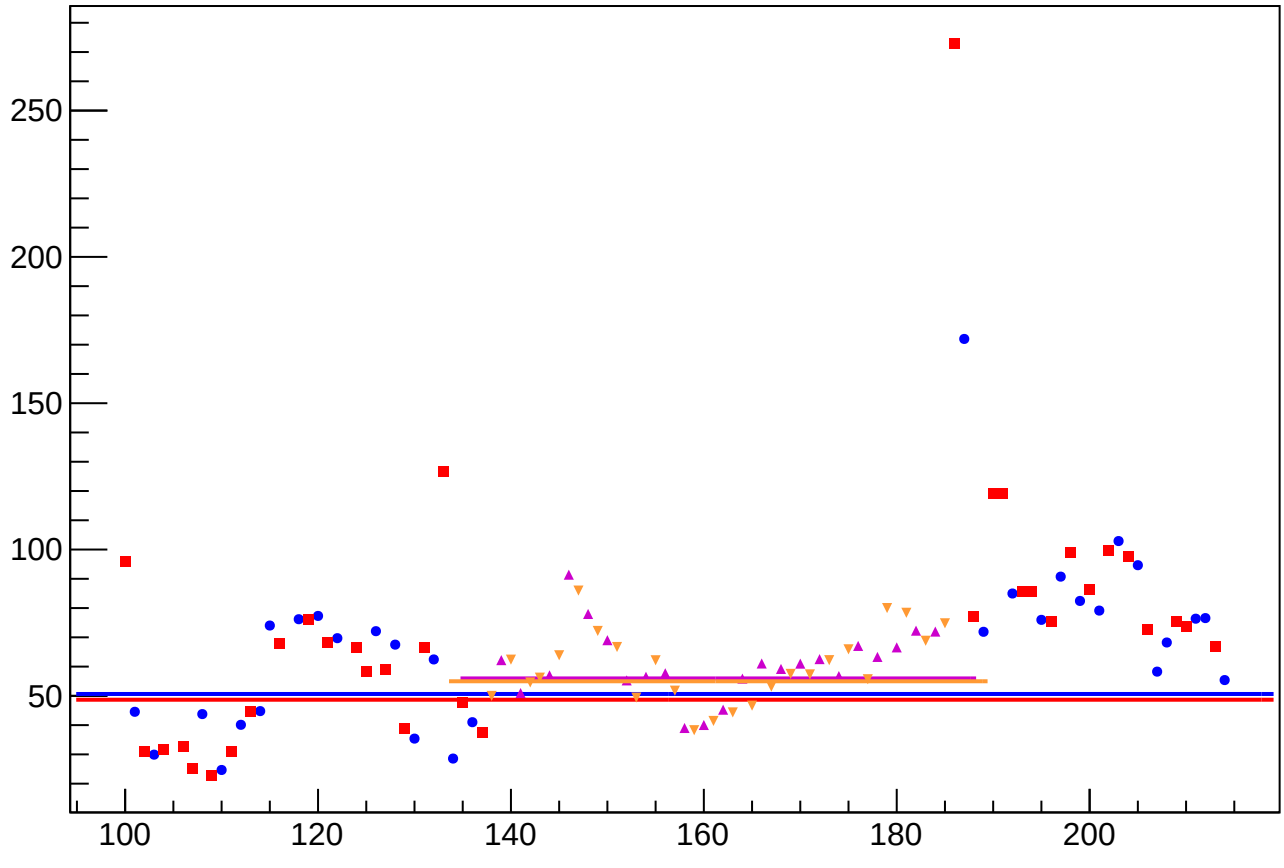
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.006+/-0.009 χ^2/NDF: 112.7/63

In: 0.004+/-0.009 χ^2/NDF:65.0/52

Out: 0.001+/-0.009 χ^2/NDF:88.2/58

All: 0.002+/-0.007 χ^2/NDF: 153.2/111



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

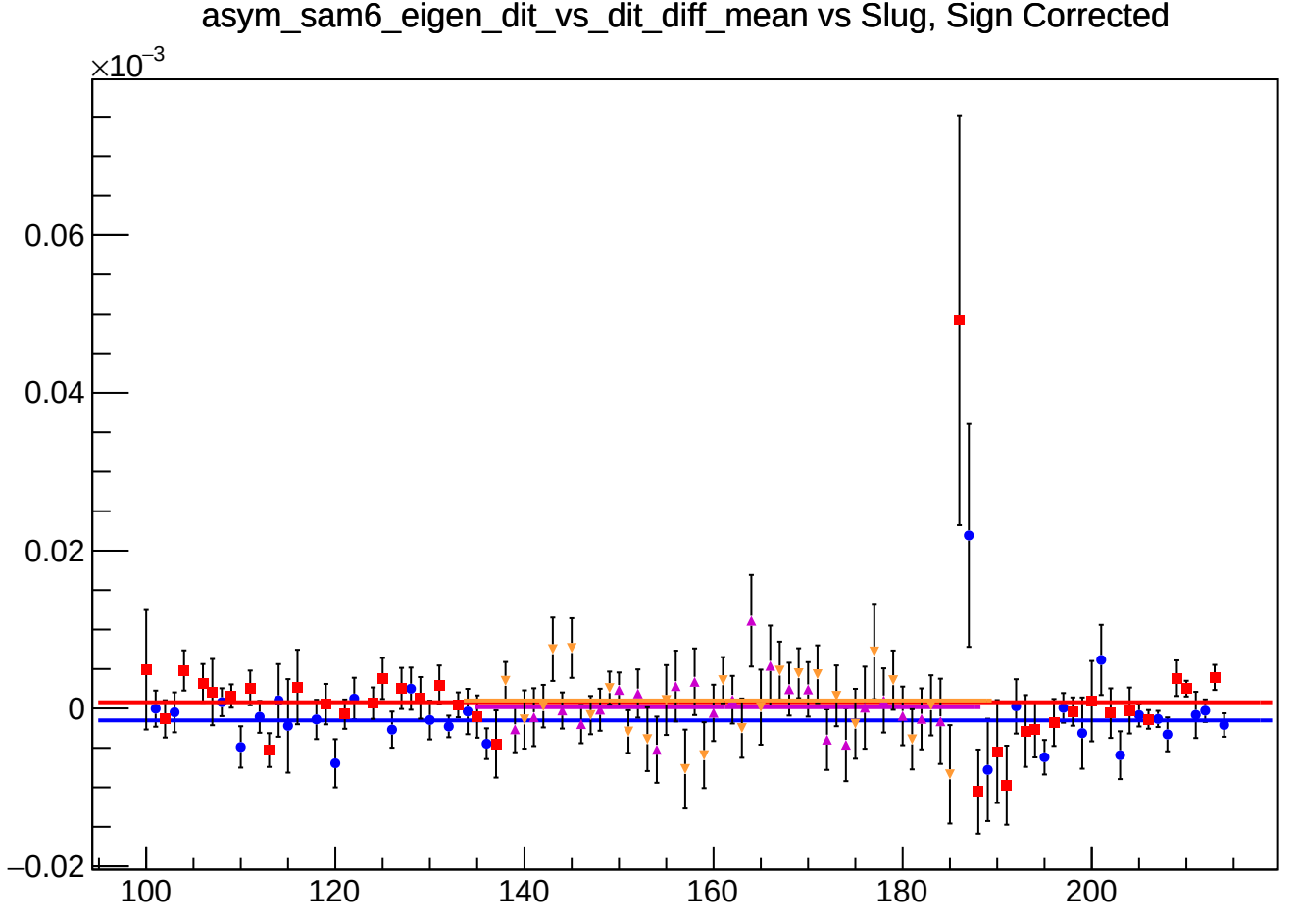
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 49.643+/-0.007 χ^2/NDF: 13034935.9/63

In: 53.229+/-0.007 χ^2/NDF:6958891.3/52

Out: 51.828+/-0.006 χ^2/NDF:9422393.3/58

All: 52.508+/-0.005 χ^2/NDF: 16404004.5/111



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

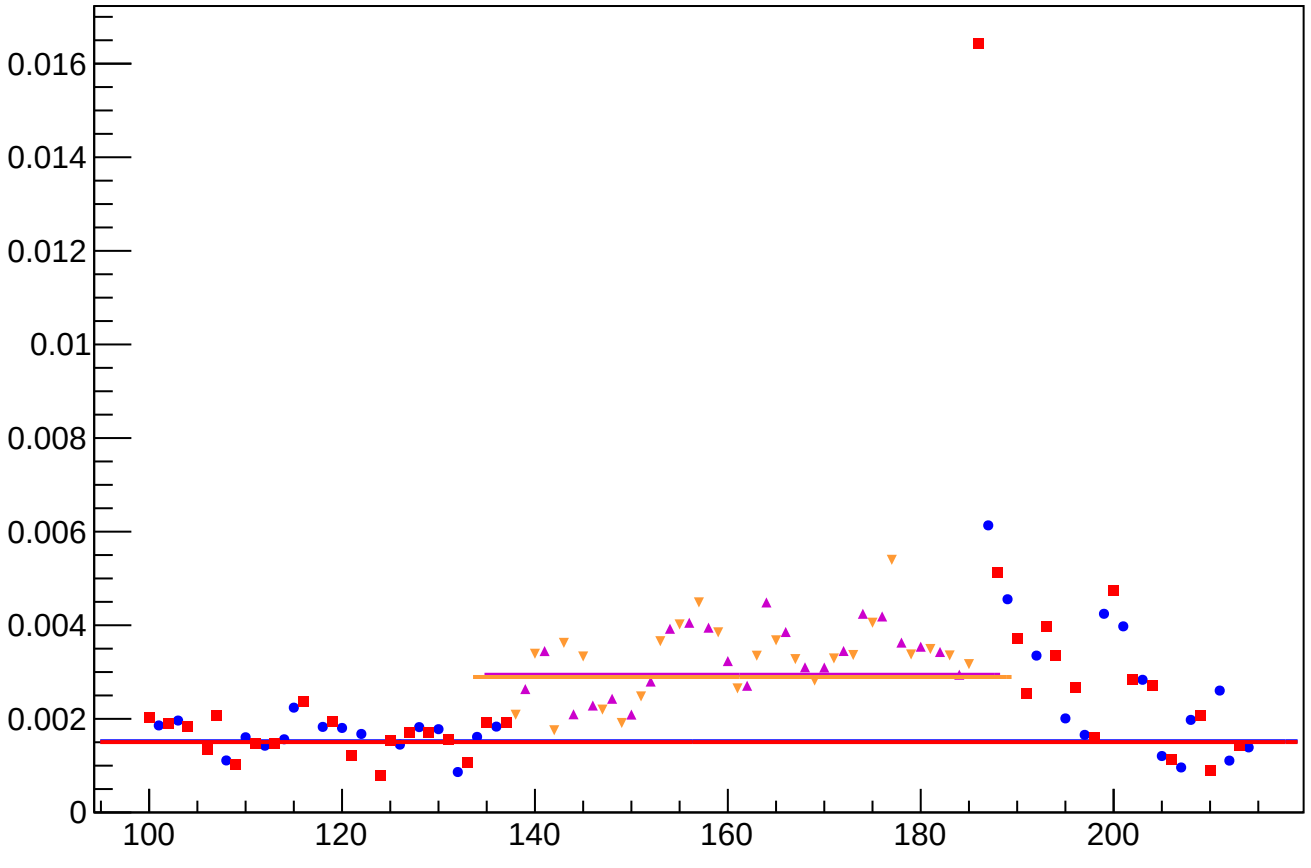
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 95.4/63

In: -0.000+/-0.000 χ^2/NDF:48.5/52

Out: 0.000+/-0.000 χ^2/NDF:76.4/58

All: -0.000+/-0.000 χ^2/NDF: 141.5/111



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

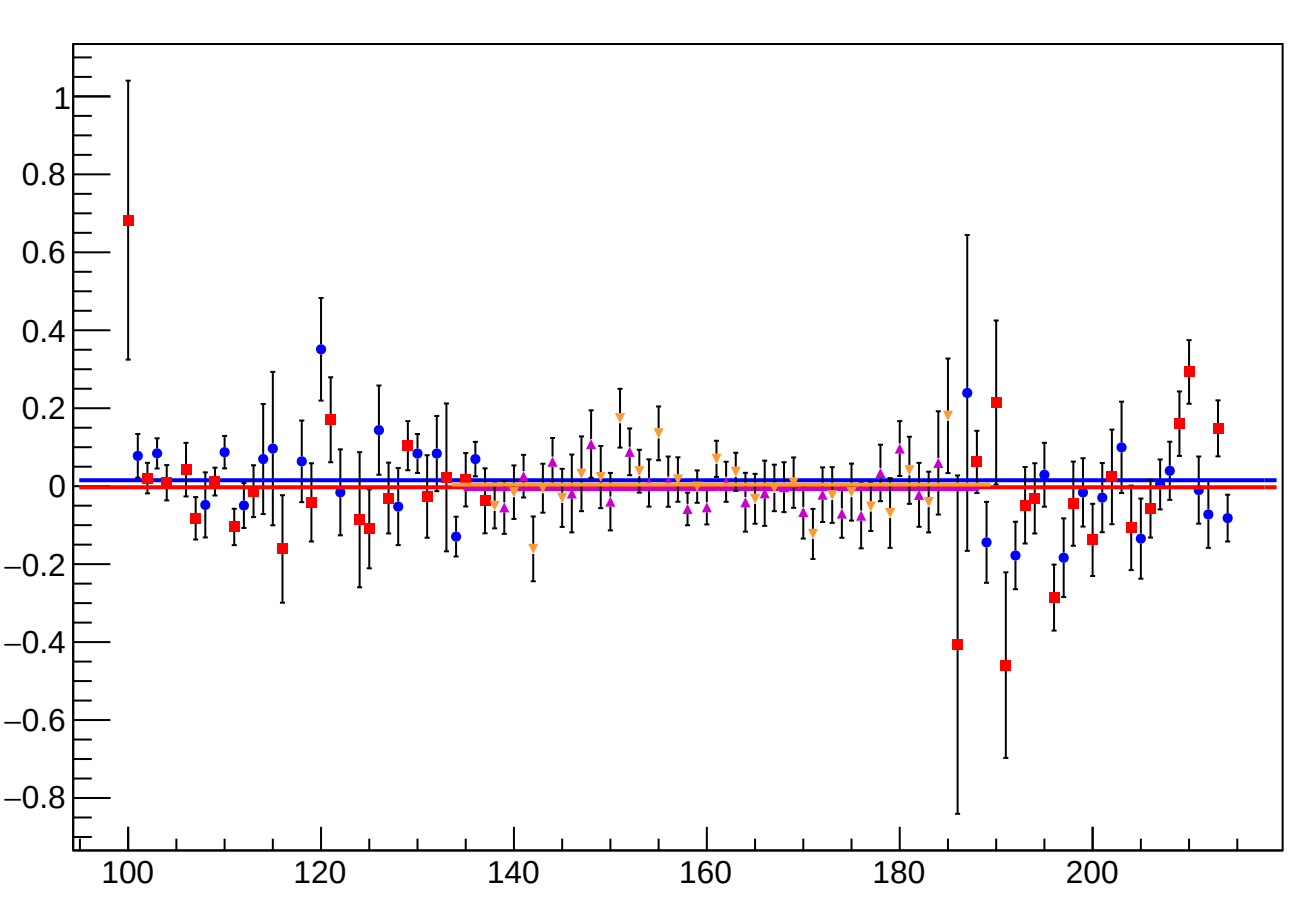
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 12142462.9/63

In: 0.002+/-0.000 χ^2/NDF:13172827.4/52

Out: 0.002+/-0.000 χ^2/NDF:15849241.0/58

All: 0.002+/-0.000 χ^2/NDF: 29023405.9/111



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

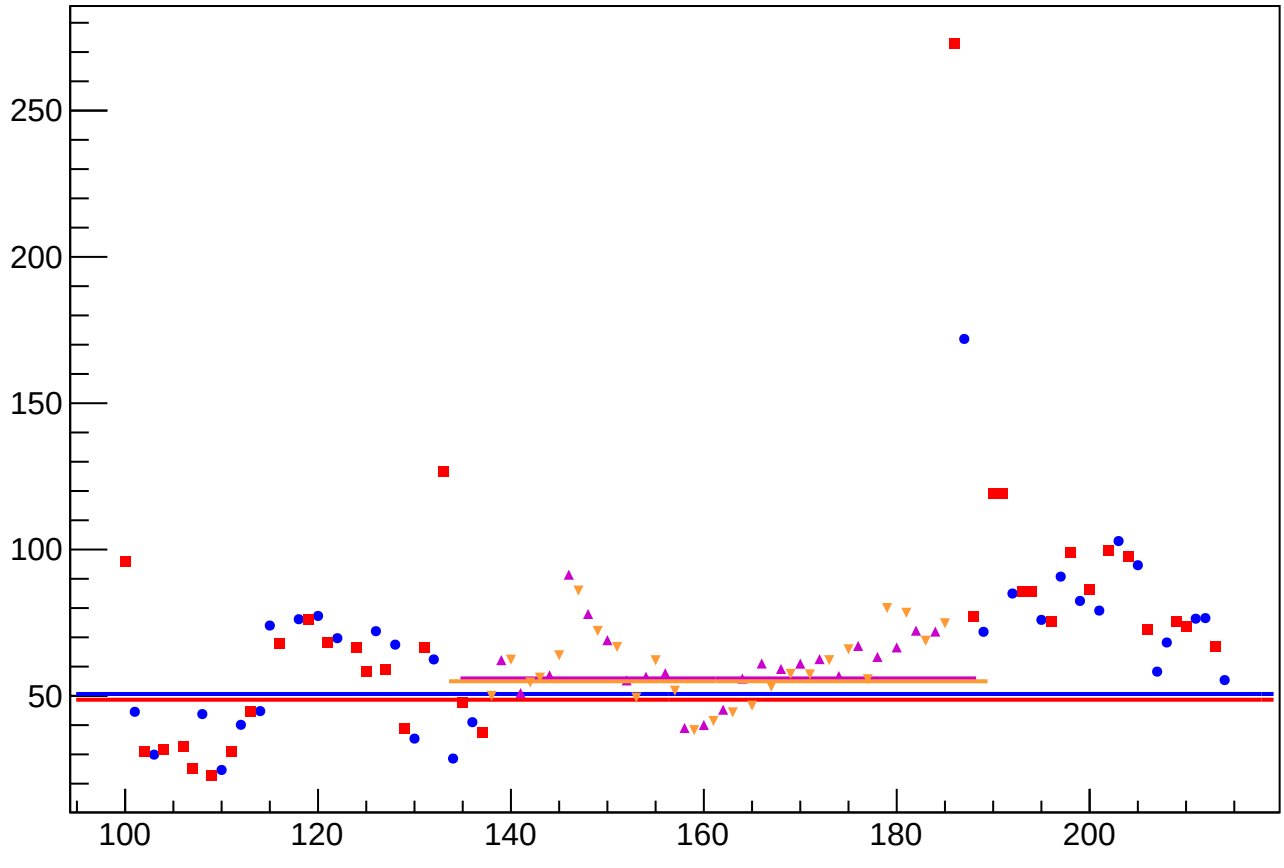
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.006+/-0.009 χ^2/NDF: 112.7/63

In: 0.004+/-0.009 χ^2/NDF:65.0/52

Out: 0.001+/-0.009 χ^2/NDF:88.2/58

All: 0.002+/-0.007 χ^2/NDF: 153.2/111



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

Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

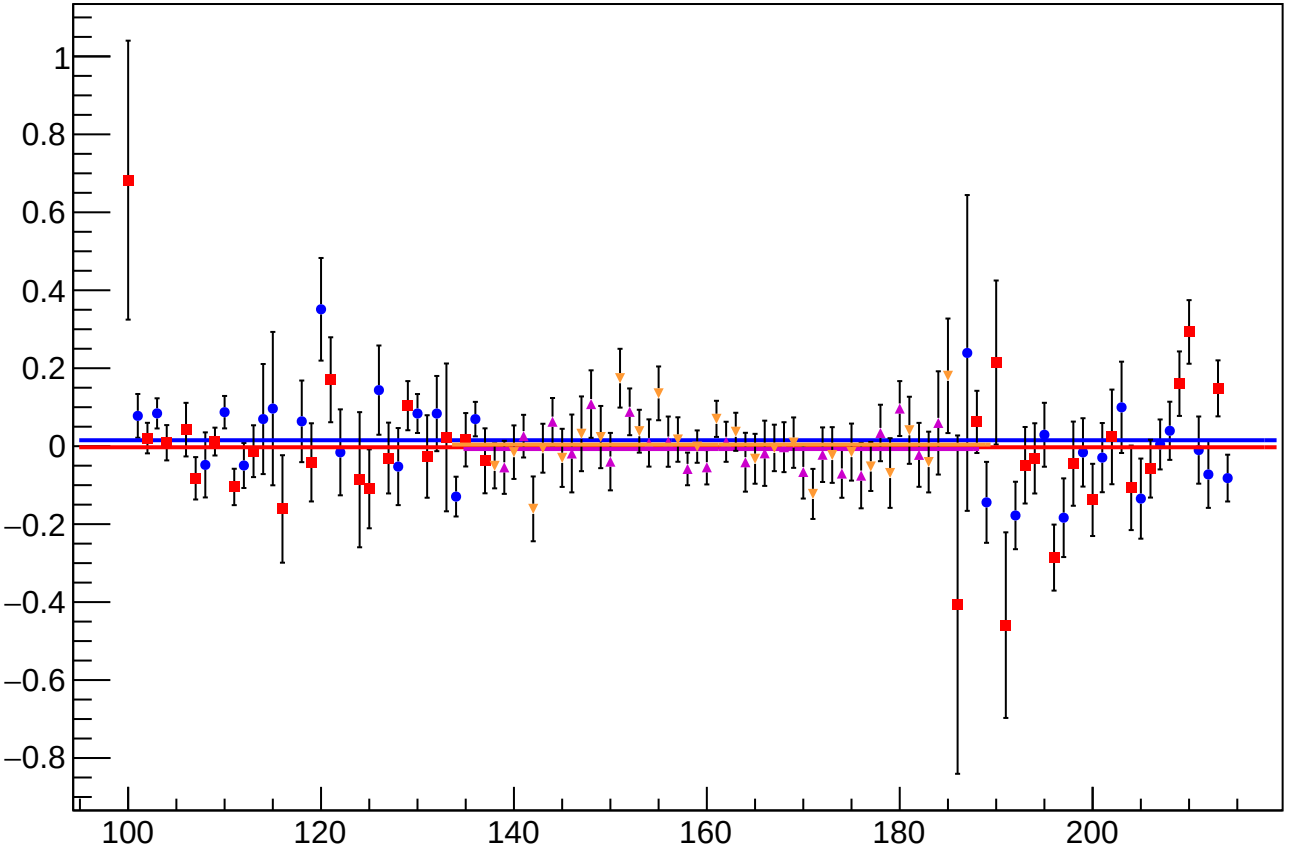
Right: 49.643+/-0.007 χ^2/NDF: 13035086.7/63

In: 53.228+/-0.007 χ^2/NDF:6959164.1/52

Out: 51.827+/-0.006 χ^2/NDF:9422489.3/58

All: 52.507+/-0.005 χ^2/NDF: 16404367.5/111

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

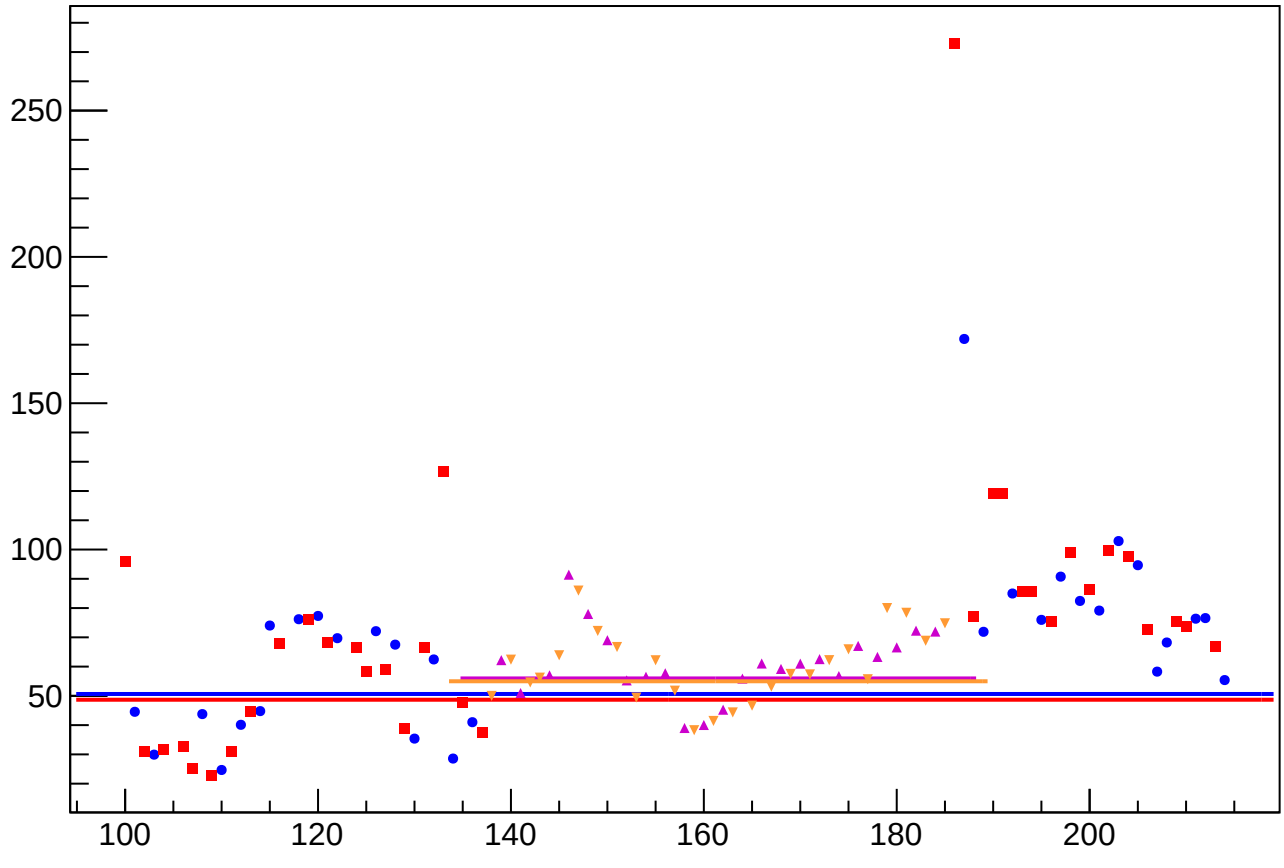
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.006+/-0.009 χ^2/NDF: 112.7/63

In: 0.004+/-0.009 χ^2/NDF:65.0/52

Out: 0.001+/-0.009 χ^2/NDF:88.2/58

All: 0.002+/-0.007 χ^2/NDF: 153.2/111



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

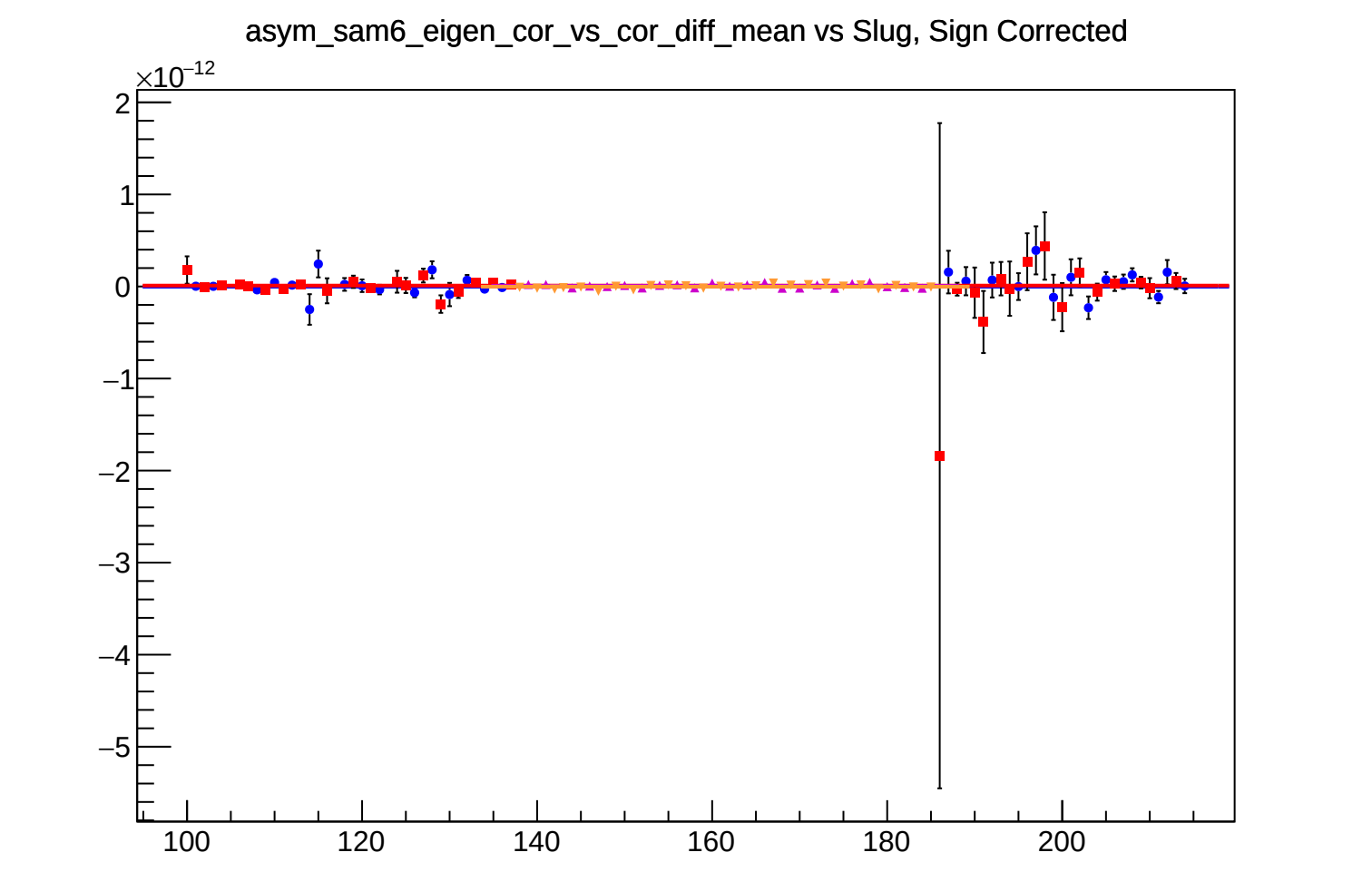
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 49.643+/-0.007 χ^2/NDF: 13035086.7/63

In: 53.228+/-0.007 χ^2/NDF:6959164.1/52

Out: 51.827+/-0.006 χ^2/NDF:9422489.3/58

All: 52.507+/-0.005 χ^2/NDF: 16404367.5/111



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

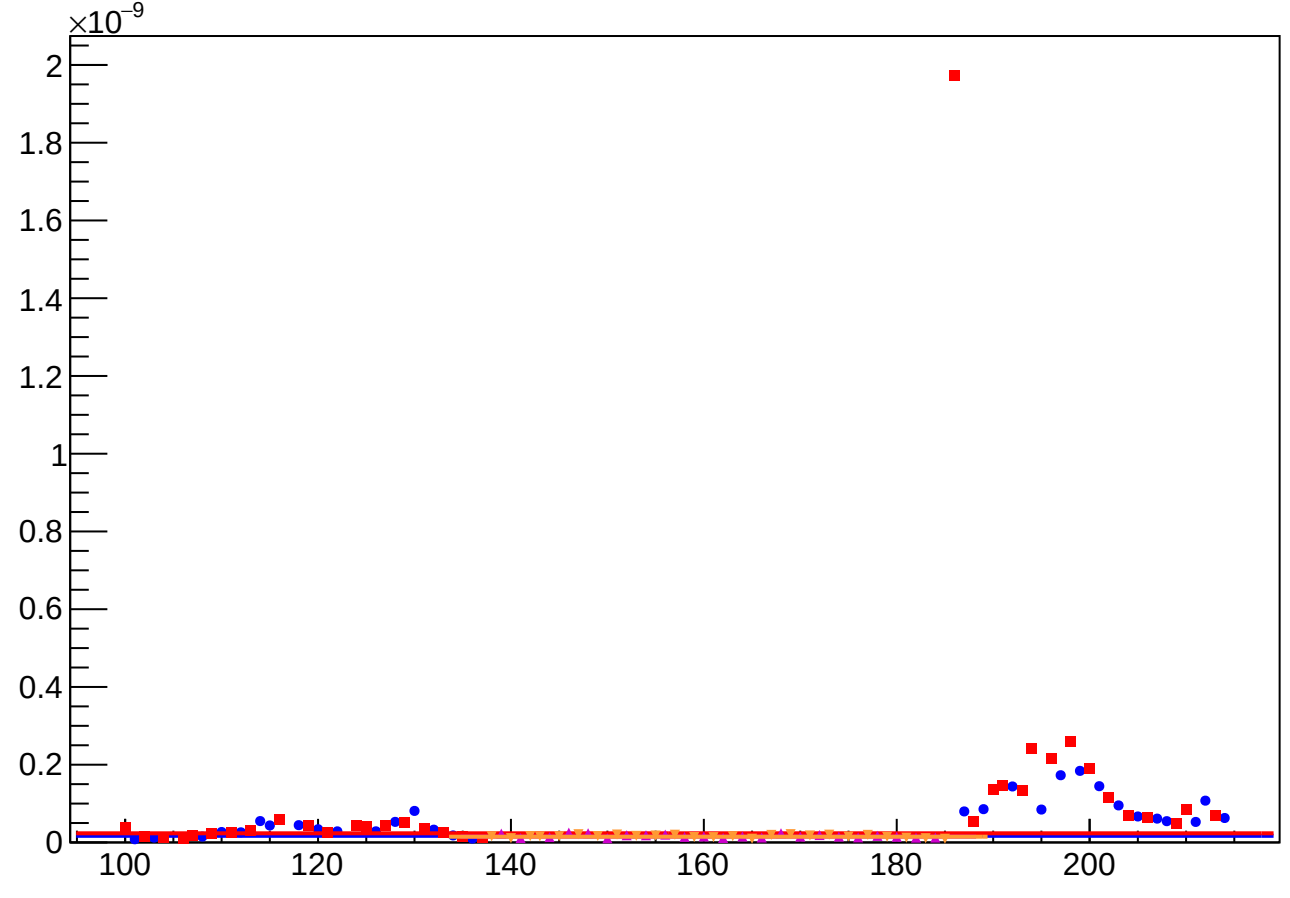
Left: 0.000+/-0.000 χ^2/NDF: 43.6/47

Right: 0.000+/-0.000 χ^2/NDF: 56.5/63

In: 0.000+/-0.000 χ^2/NDF:55.5/52

Out: -0.000+/-0.000 χ^2/NDF:43.9/58

All: 0.000+/-0.000 χ^2/NDF: 100.2/111



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

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

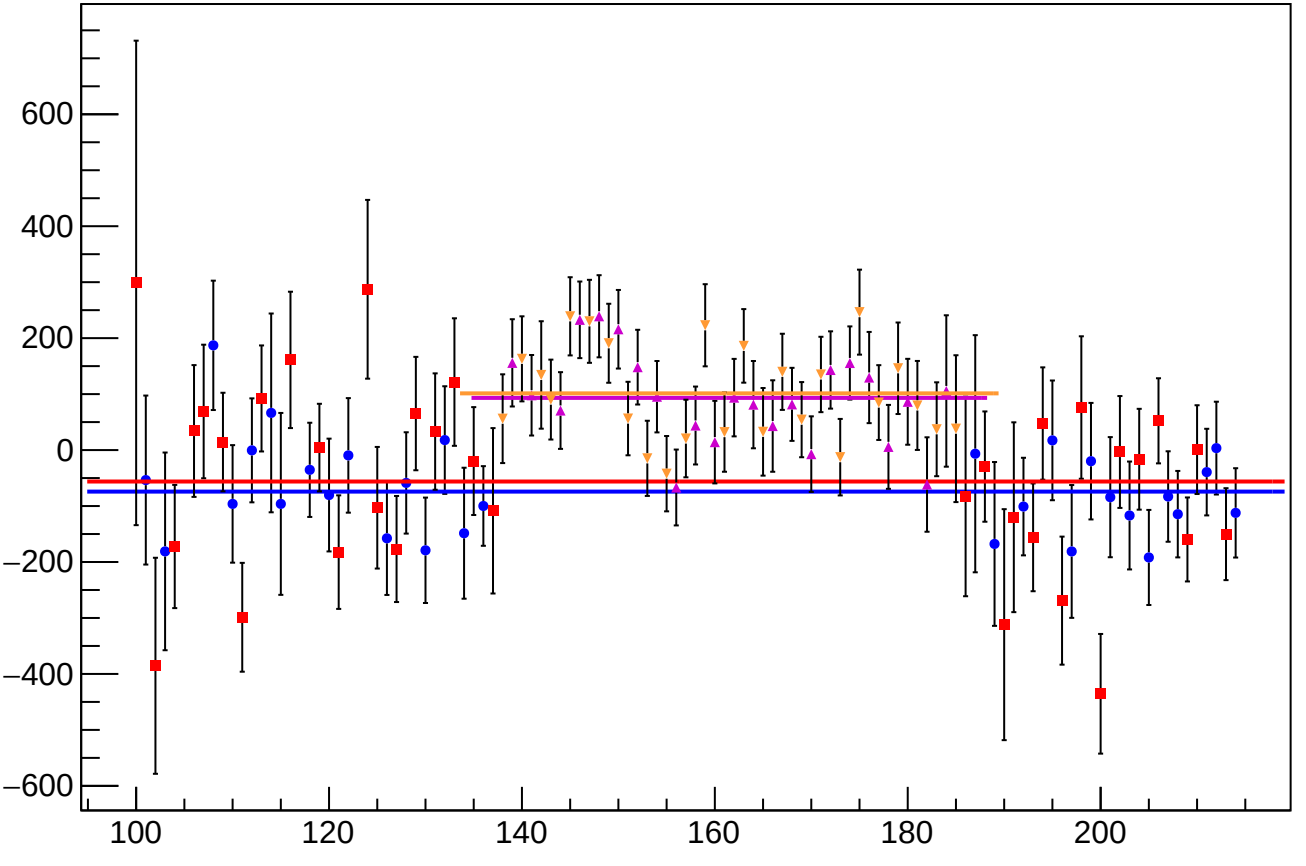
Right: 0.000+/-0.000 χ^2/NDF: 25259908.1/63

In: 0.000+/-0.000 χ^2/NDF:14490404.4/52

Out: 0.000+/-0.000 χ^2/NDF:14724985.4/58

All: 0.000+/-0.000 χ^2/NDF: 29267654.5/111

reg_asym_sam7_mean vs Slug, Sign Corrected



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

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

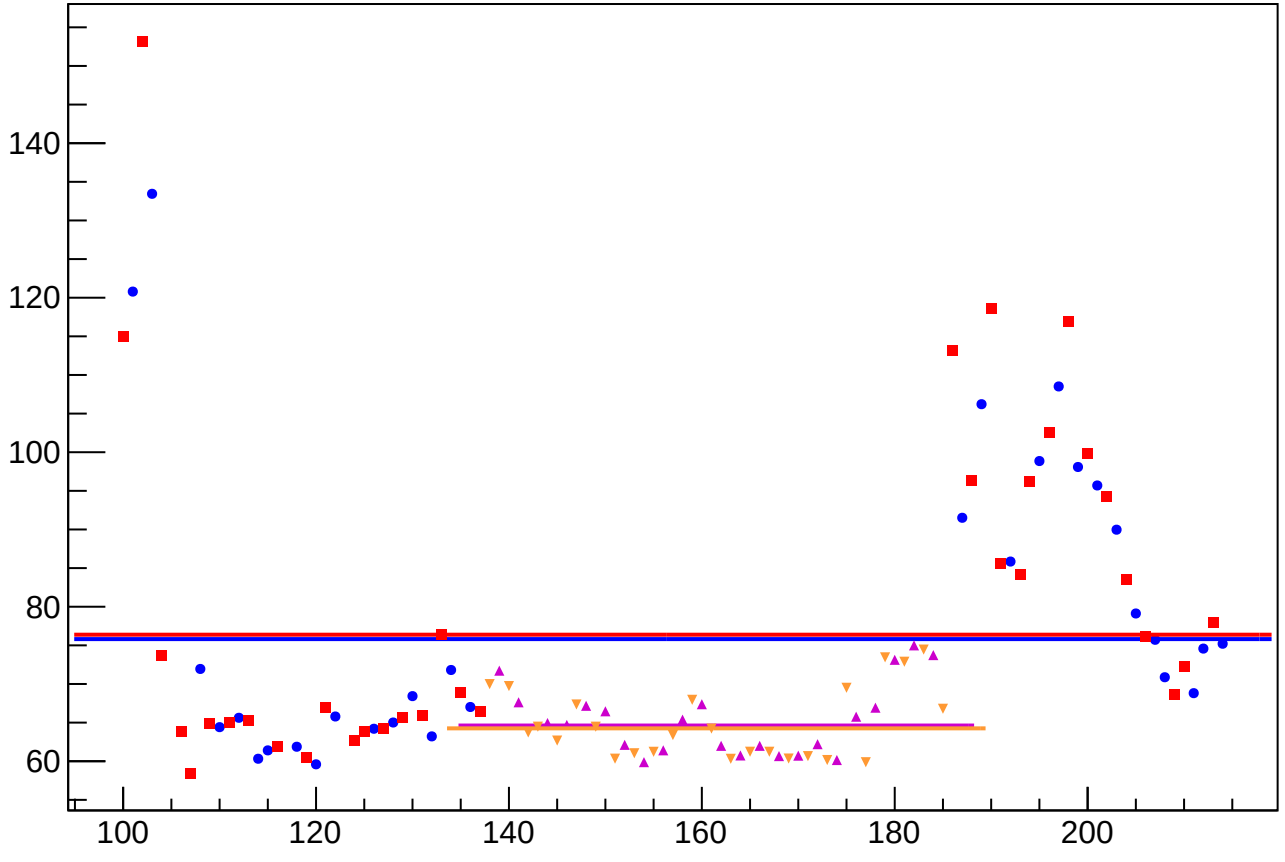
Right: -65.119+/-12.761 χ^2/NDF: 77.1/63

In: 24.393+/-11.615 χ^2/NDF:96.1/52

Out: 38.525+/-11.353 χ^2/NDF:139.6/58

All: 31.620+/-8.119 χ^2/NDF: 236.5/111

reg_asym_sam7_rms vs Slug, Sign Corrected



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

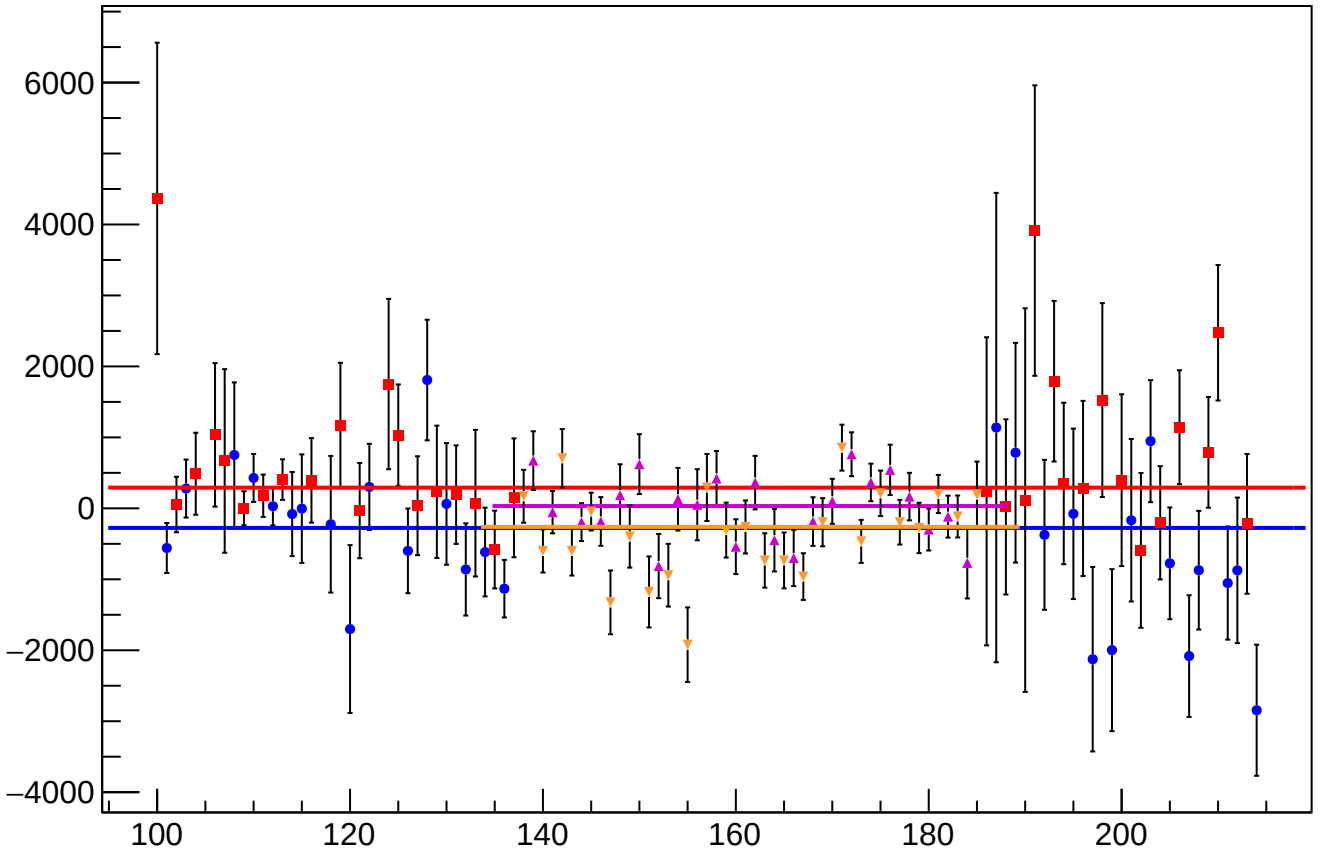
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.097+/-0.009 χ^2/NDF: 2944198.1/63

In: 69.221+/-0.008 χ^2/NDF:1927828.2/52

Out: 69.090+/-0.008 χ^2/NDF:2336370.2/58

All: 69.154+/-0.006 χ^2/NDF: 4264329.4/111



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

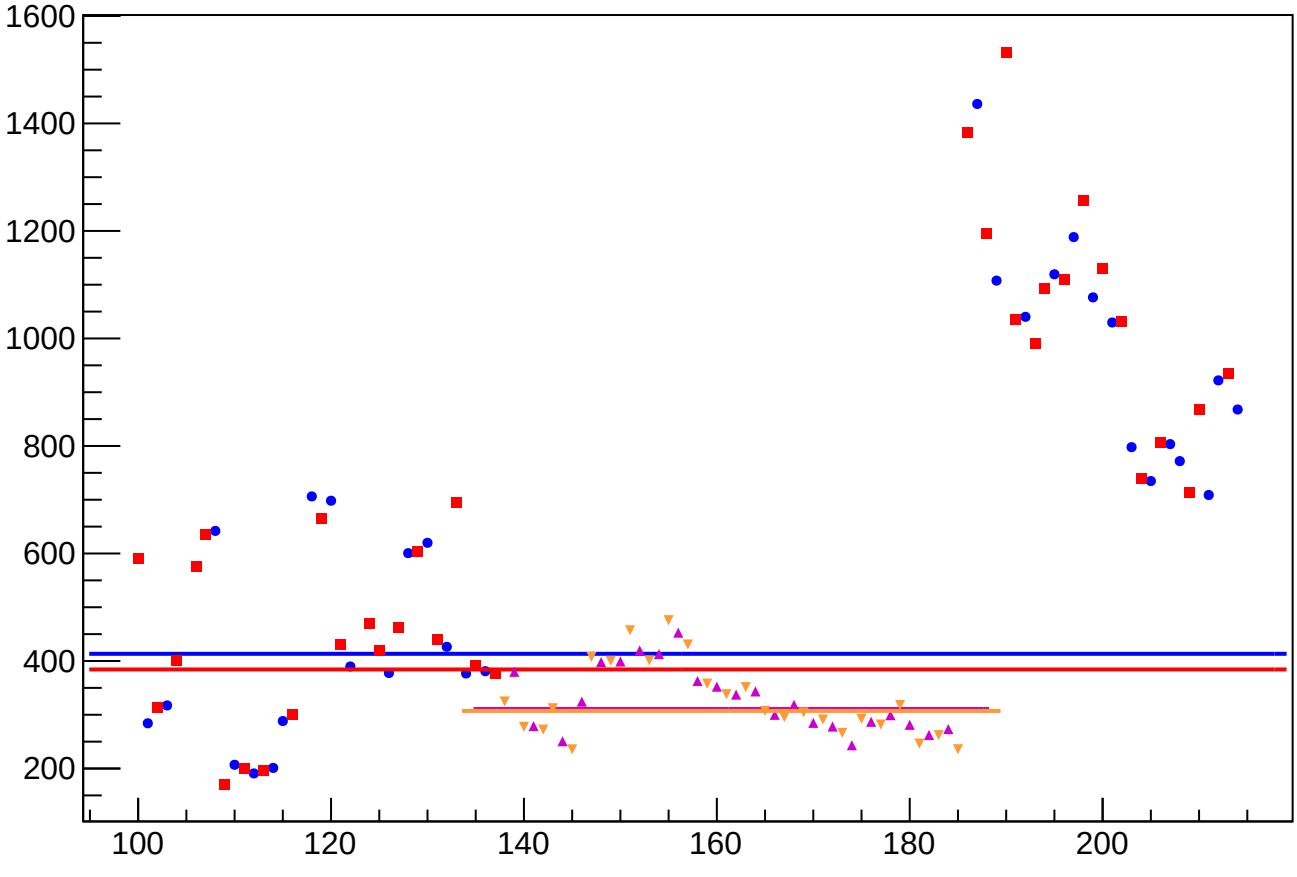
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 21.564+/-78.751 χ^2/NDF: 84.8/63

In: -58.517+/-61.996 χ^2/NDF:82.0/52

Out: -95.113+/-59.616 χ^2/NDF:103.6/58

All: -77.531+/-42.972 χ^2/NDF: 185.8/111



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

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

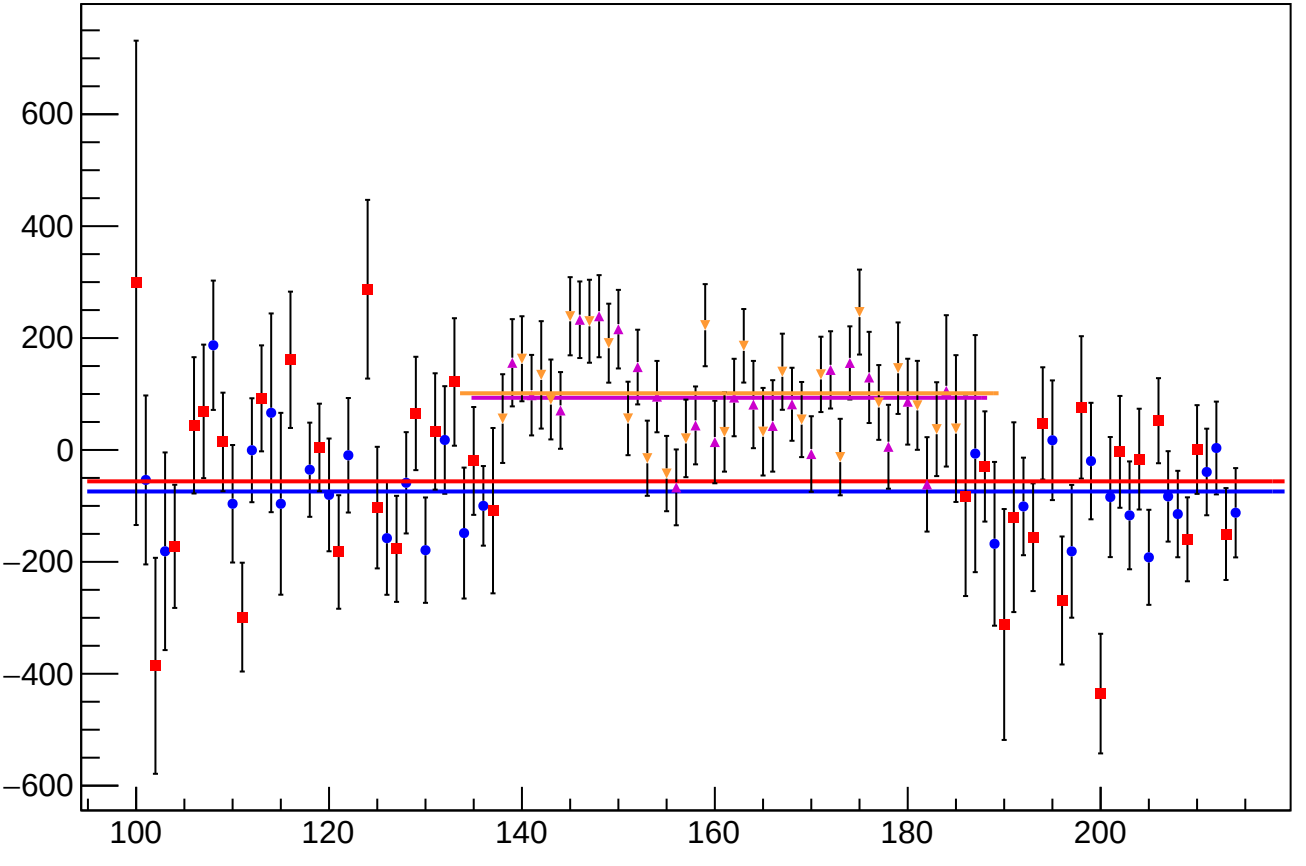
Right: 398.142+/-0.056 χ^2/NDF: 22884832.3/63

In: 340.995+/-0.044 χ^2/NDF:12377608.2/52

Out: 330.306+/-0.042 χ^2/NDF:14683699.4/58

All: 335.442+/-0.030 χ^2/NDF: 27092197.7/11

cor_asym_sam7_mean vs Slug, Sign Corrected



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

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

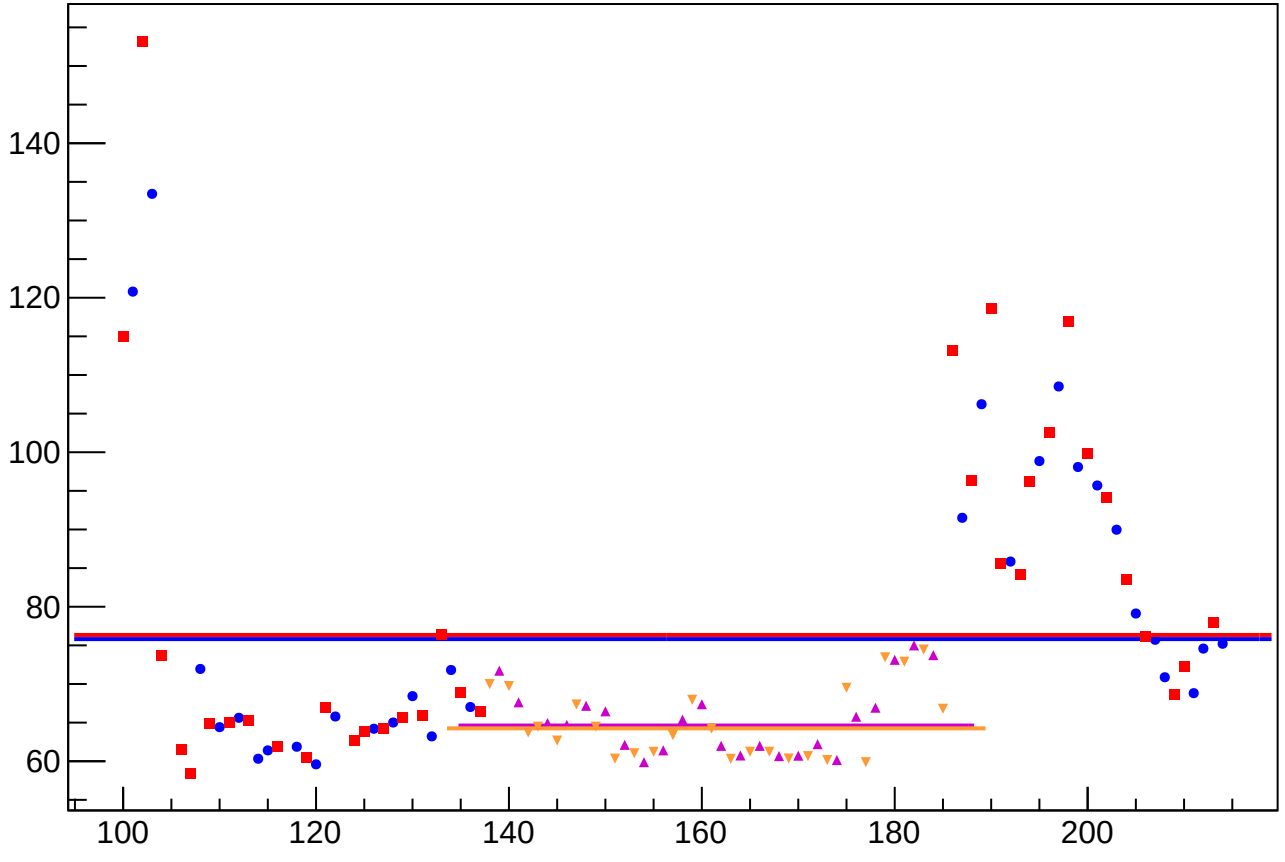
Right: -65.087+/-12.766 χ^2/NDF: 77.2/63

In: 24.392+/-11.615 χ^2/NDF:96.1/52

Out: 38.615+/-11.357 χ^2/NDF:139.6/58

All: 31.663+/-8.120 χ^2/NDF: 236.5/111

cor_asym_sam7_rms vs Slug, Sign Corrected



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

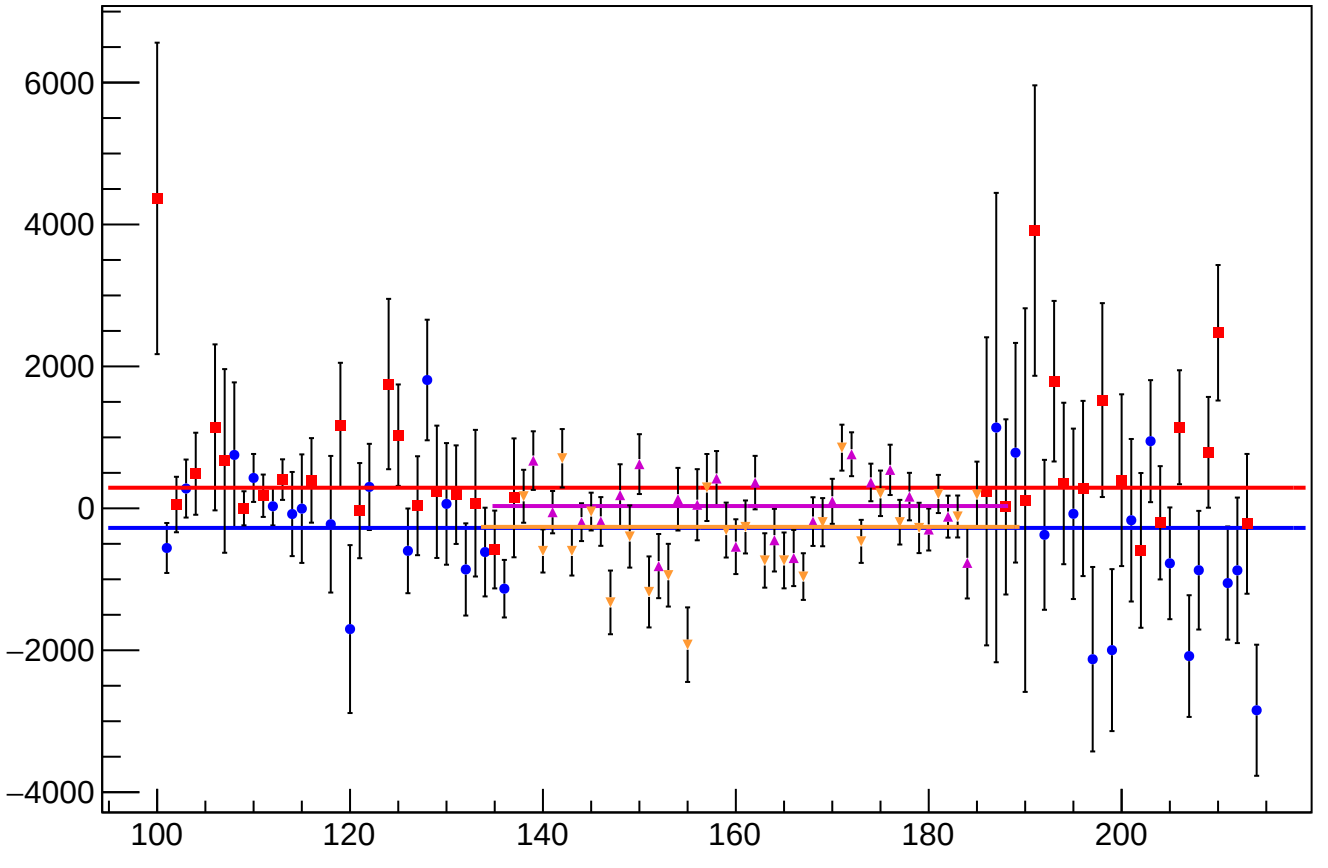
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.080+/-0.009 χ^2/NDF: 2951318.5/63

In: 69.221+/-0.008 χ^2/NDF:1927828.6/52

Out: 69.073+/-0.008 χ^2/NDF:2340181.7/58

All: 69.145+/-0.006 χ^2/NDF: 4268178.1/111



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

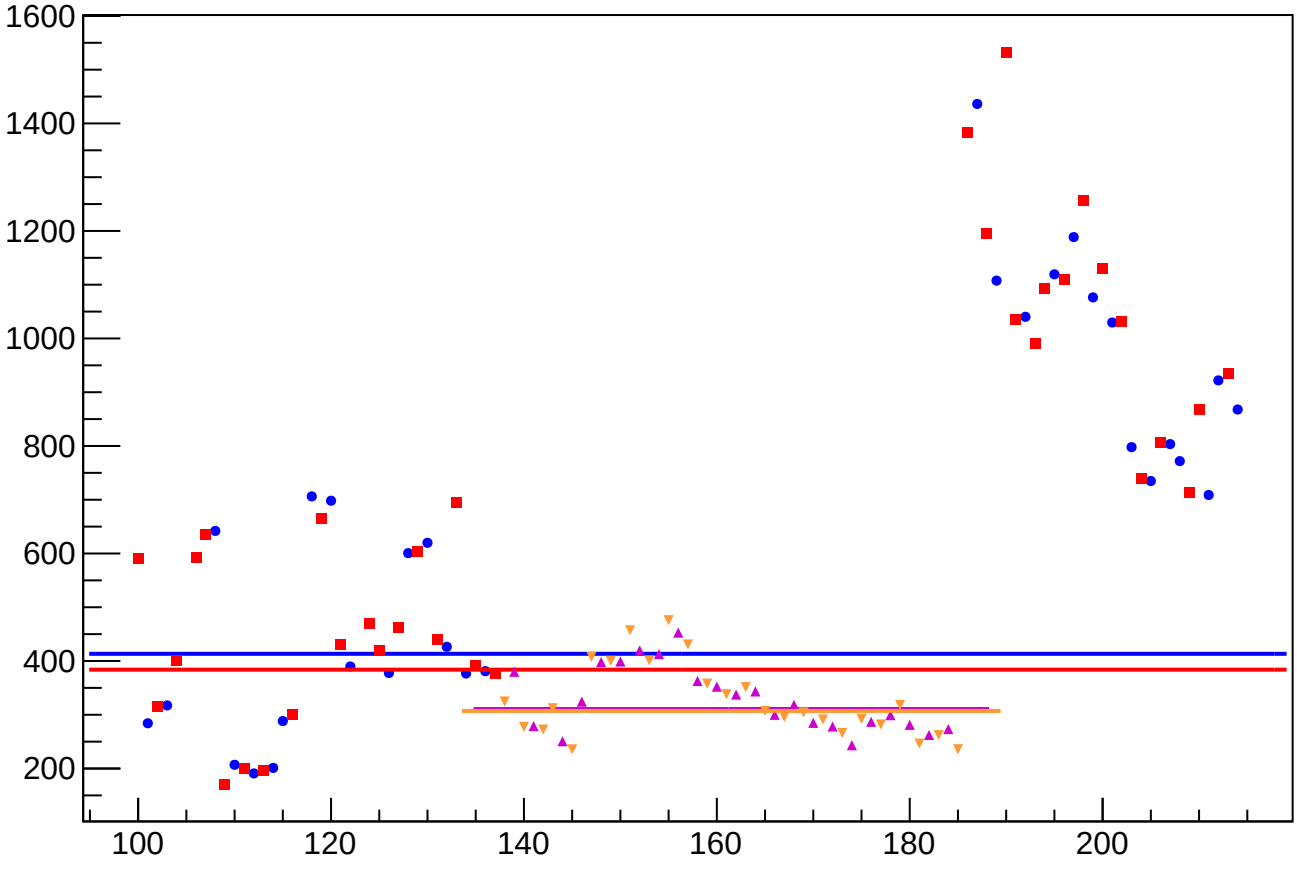
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 20.491+/-78.813 χ^2/NDF: 84.7/63

In: -58.518+/-61.996 χ^2/NDF:82.0/52

Out: -95.834+/-59.643 χ^2/NDF:103.5/58

All: -77.898+/-42.982 χ^2/NDF: 185.7/111



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

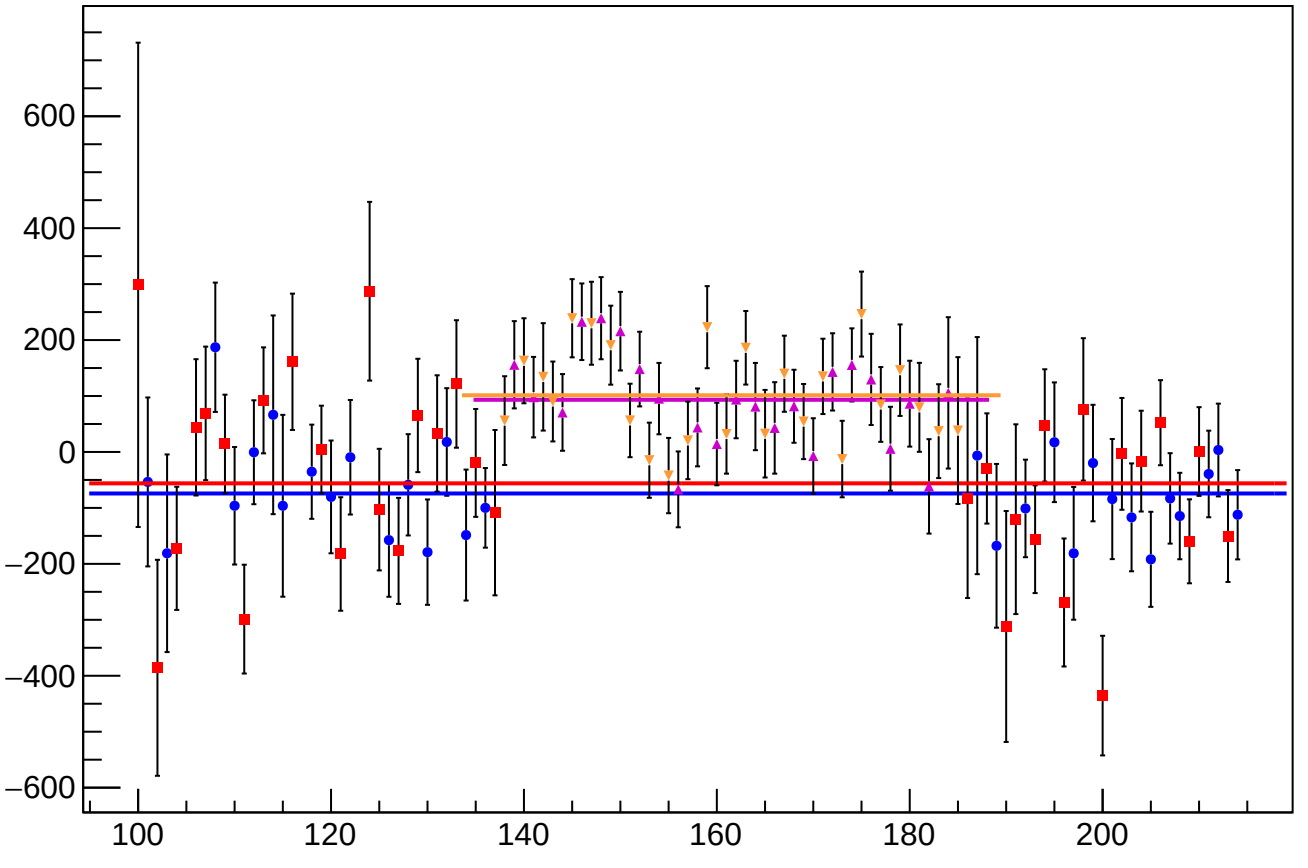
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 397.962+/-0.056 χ^2/NDF: 22878636.7/63

In: 340.996+/-0.044 χ^2/NDF:12377595.3/52

Out: 330.142+/-0.042 χ^2/NDF:14667328.6/58

All: 335.359+/-0.030 χ^2/NDF: 27076762.4/1



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

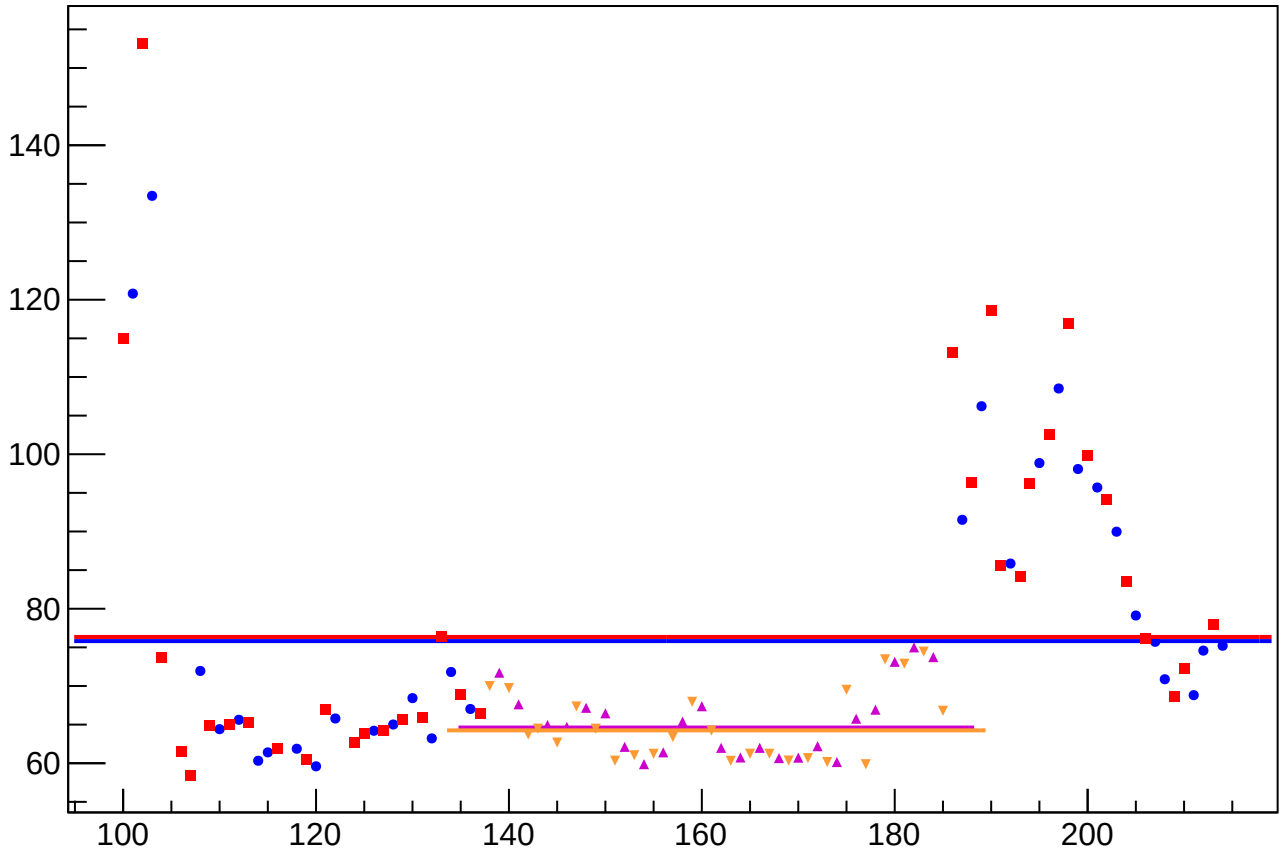
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -65.087+/-12.766 χ^2/NDF: 77.2/63

In: 24.392+/-11.615 χ^2/NDF:96.1/52

Out: 38.615+/-11.357 χ^2/NDF:139.6/58

All: 31.663+/-8.120 χ^2/NDF: 236.5/111



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

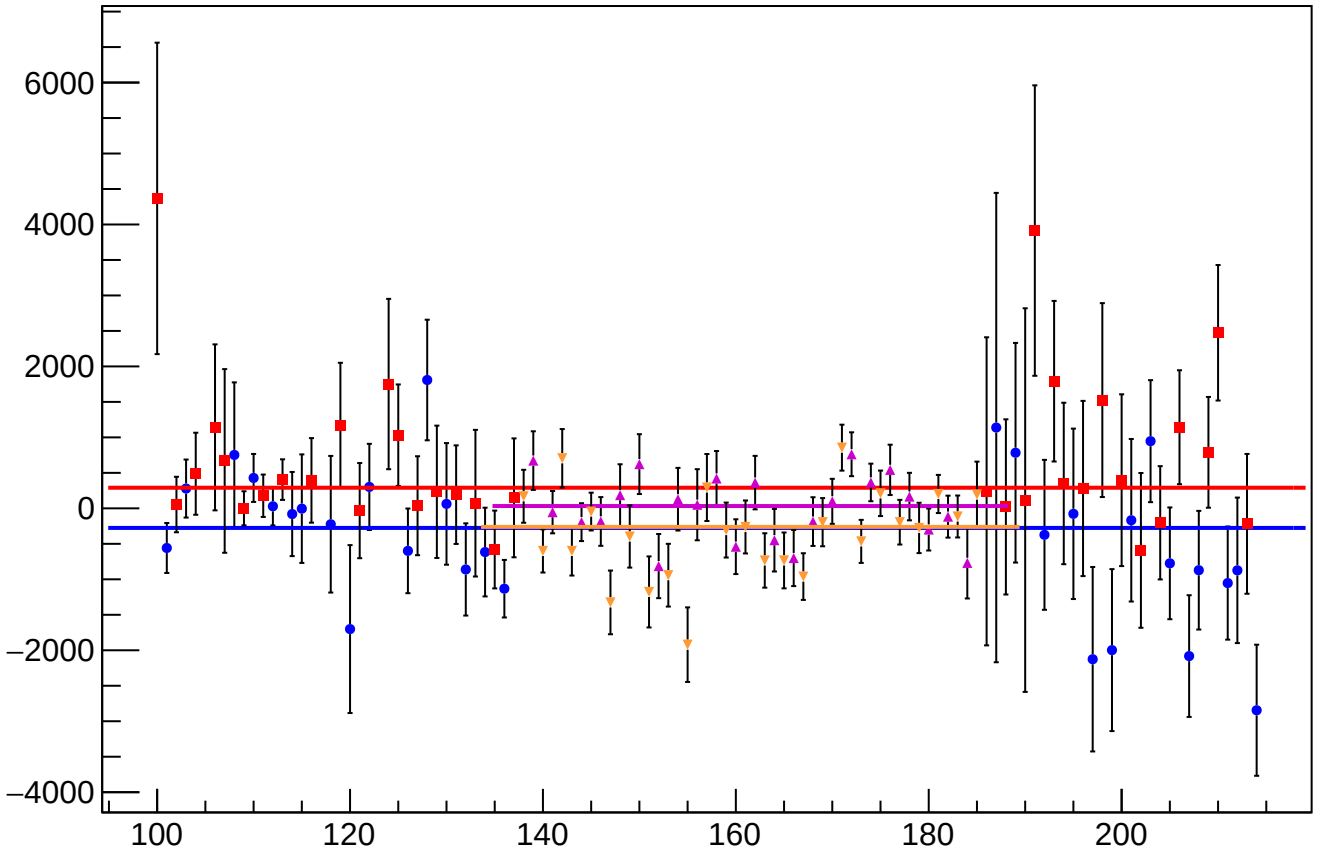
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.080+/-0.009 χ^2/NDF: 2951318.5/63

In: 69.221+/-0.008 χ^2/NDF:1927828.6/52

Out: 69.073+/-0.008 χ^2/NDF:2340181.7/58

All: 69.145+/-0.006 χ^2/NDF: 4268178.1/111



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

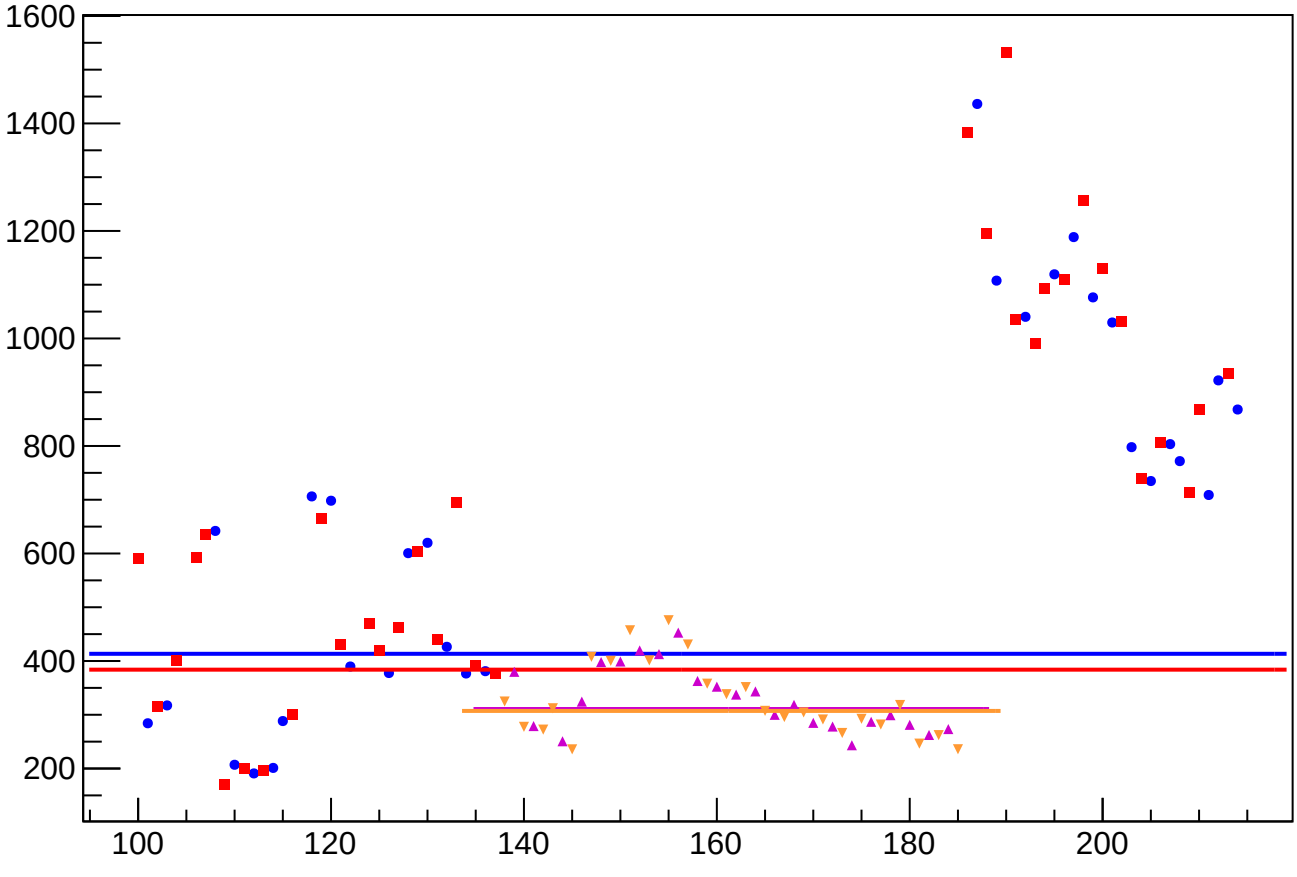
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 20.491+/-78.813 χ^2/NDF: 84.7/63

In: -58.518+/-61.996 χ^2/NDF:82.0/52

Out: -95.834+/-59.643 χ^2/NDF:103.5/58

All: -77.898+/-42.982 χ^2/NDF: 185.7/111



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

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

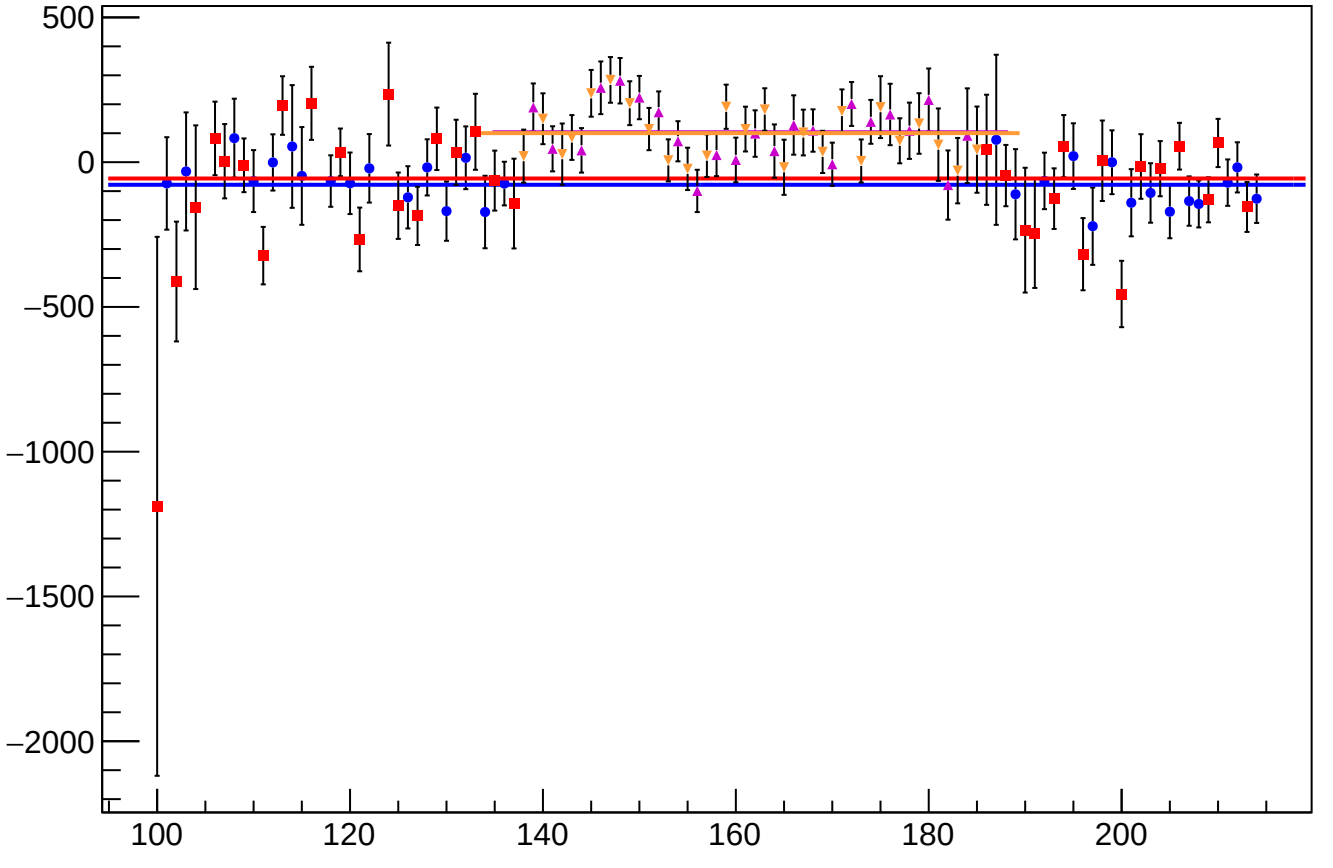
Right: 397.962+/-0.056 χ^2/NDF: 22878636.7/63

In: 340.996+/-0.044 χ^2/NDF:12377595.3/52

Out: 330.142+/-0.042 χ^2/NDF:14667328.6/58

All: 335.359+/-0.030 χ^2/NDF: 27076762.4/11

dit_asym_sam7_mean vs Slug, Sign Corrected



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

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

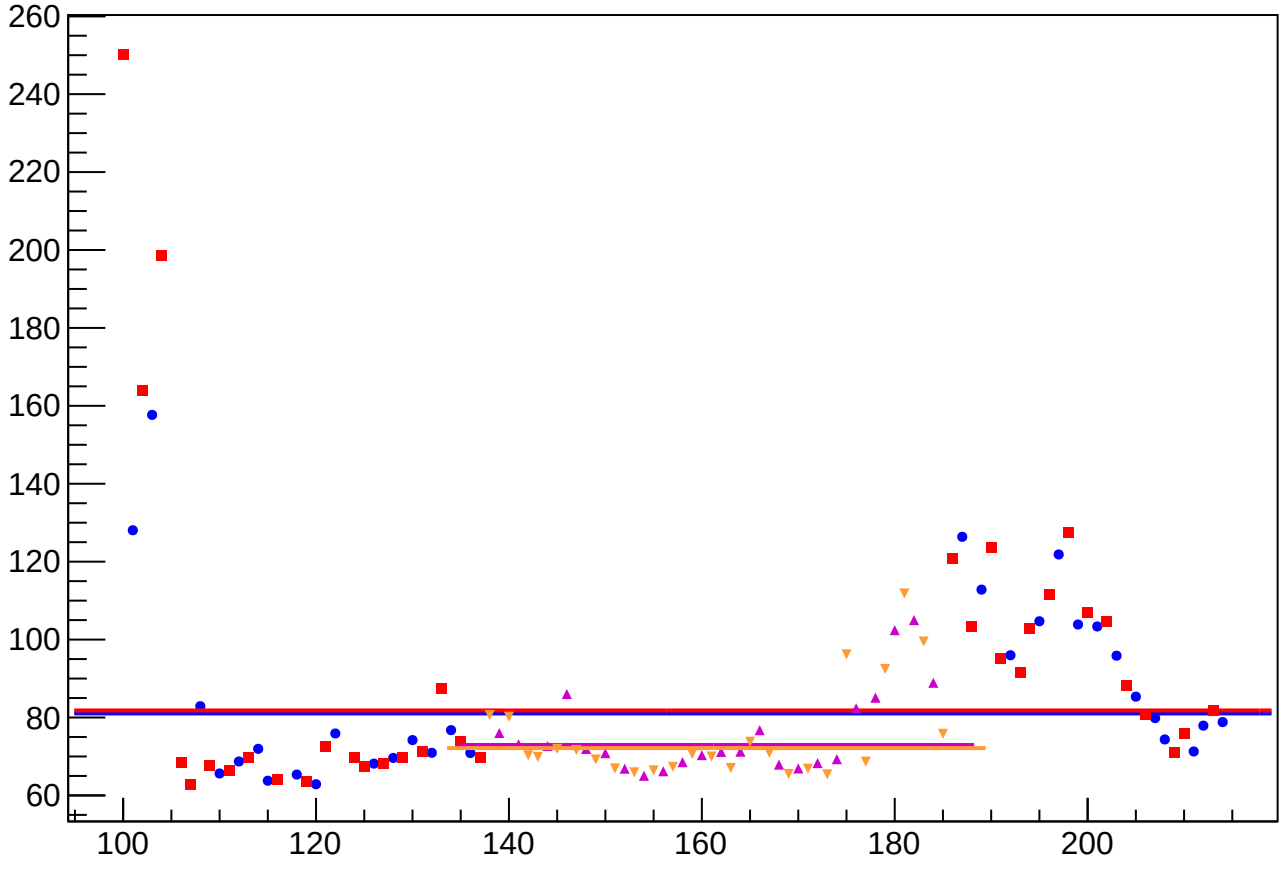
Right: -67.208+/-13.725 χ^2/NDF: 76.7/63

In: 23.313+/-12.902 χ^2/NDF:92.9/52

Out: 33.932+/-12.624 χ^2/NDF:129.9/58

All: 28.738+/-9.023 χ^2/NDF: 223.2/111

dit_asym_sam7_rms vs Slug, Sign Corrected



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

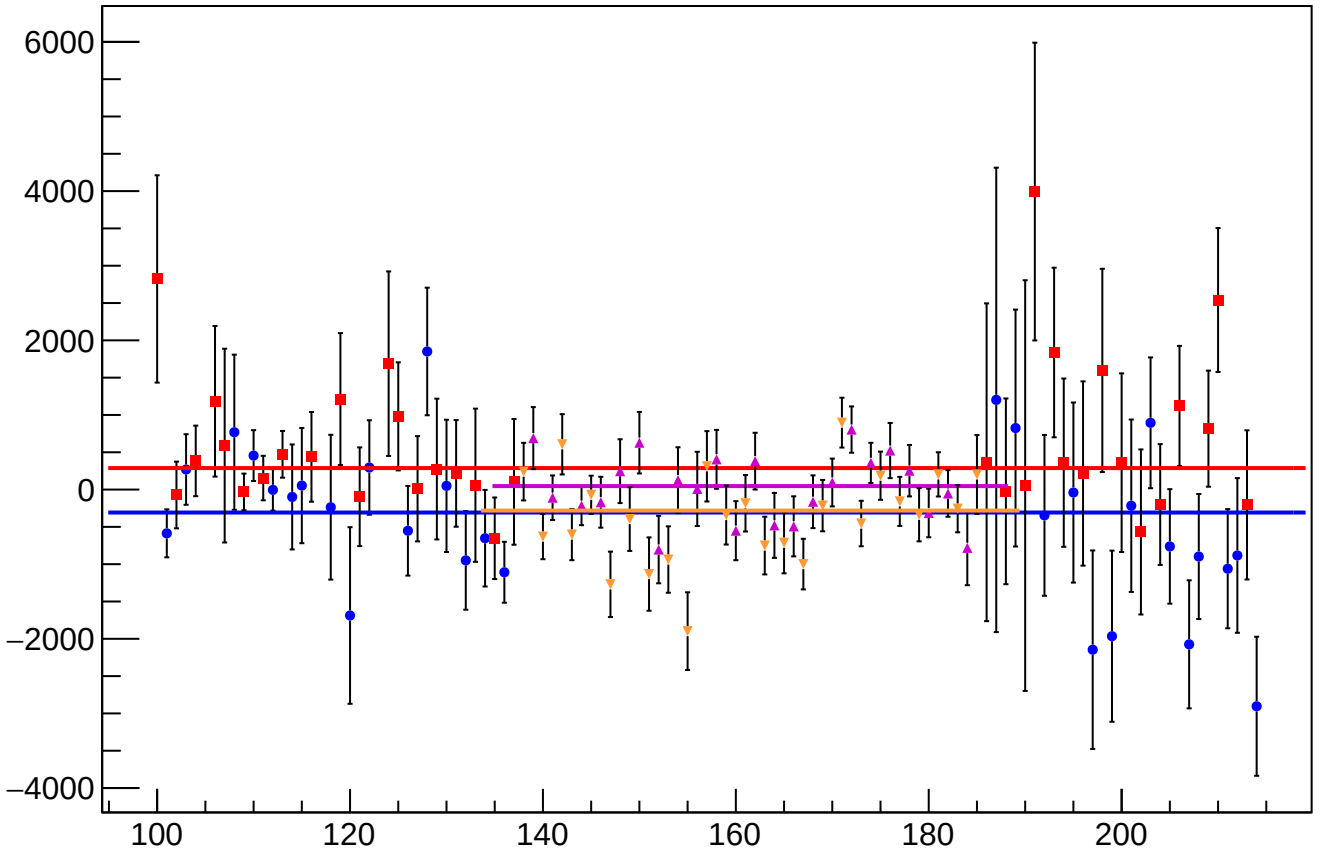
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 81.429+/-0.010 χ^2/NDF: 3633837.7/63

In: 76.523+/-0.009 χ^2/NDF:2208746.5/52

Out: 76.240+/-0.009 χ^2/NDF:3054800.5/58

All: 76.378+/-0.006 χ^2/NDF: 5264037.5/111



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

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

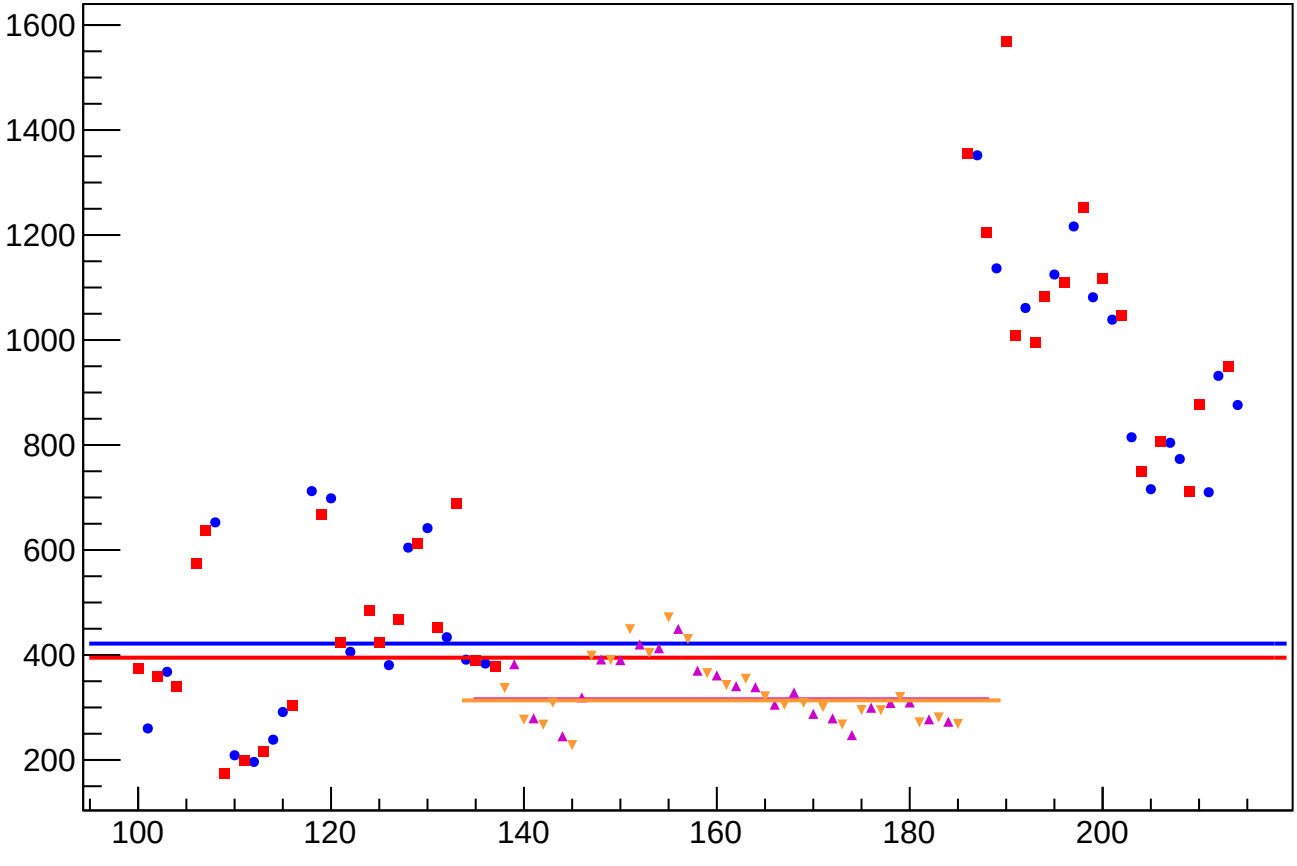
Right: 4.416+/-80.116 χ^2/NDF: 86.9/63

In: -57.548+/-62.939 χ^2/NDF:81.9/52

Out: -110.155+/-60.670 χ^2/NDF:103.9/58

All: -84.817+/-43.680 χ^2/NDF: 186.1/111

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



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

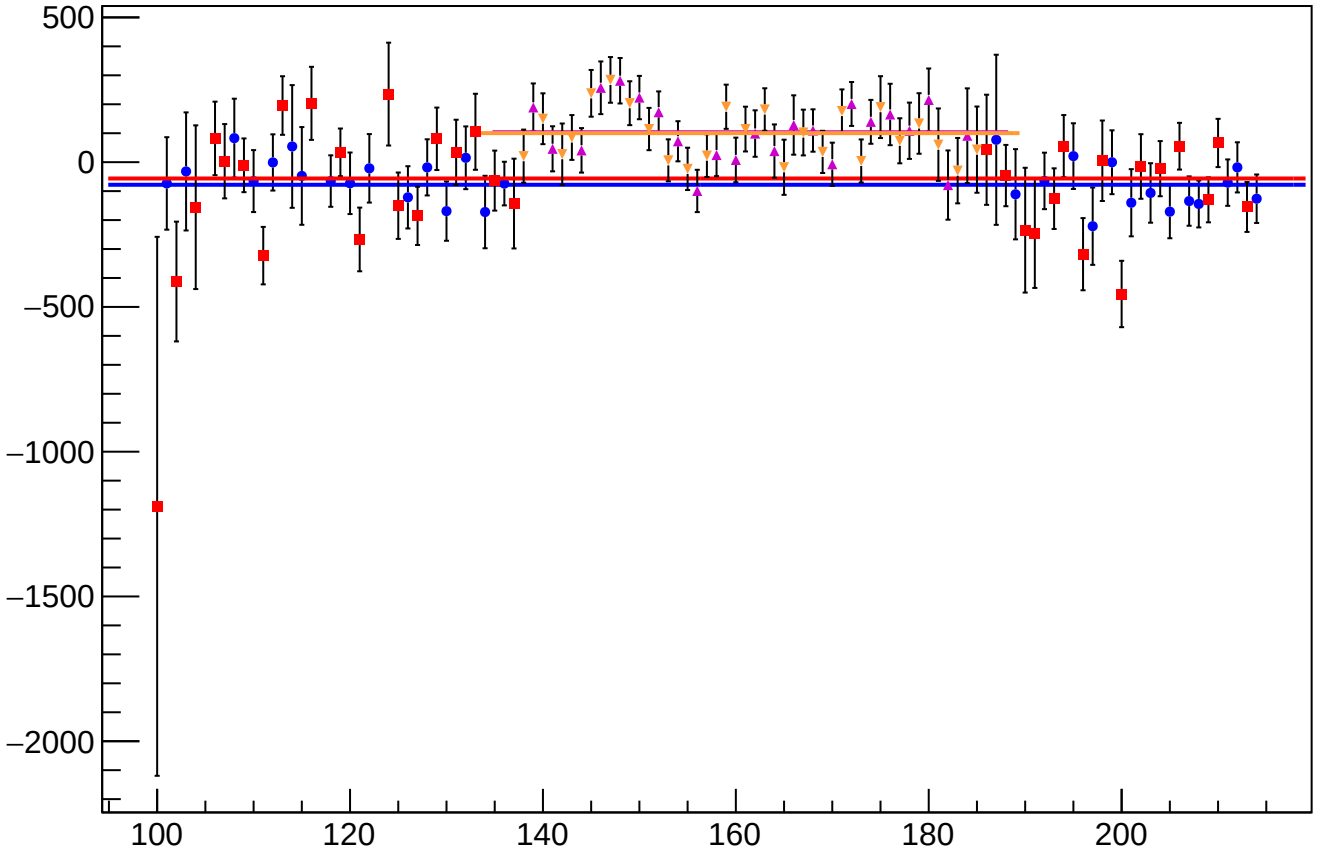
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 407.645+/-0.057 χ^2/NDF: 22303026.9/63

In: 346.675+/-0.045 χ^2/NDF:12218856.9/52

Out: 337.946+/-0.043 χ^2/NDF:14150934.9/58

All: 342.150+/-0.031 χ^2/NDF: 26389736.4/11



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

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

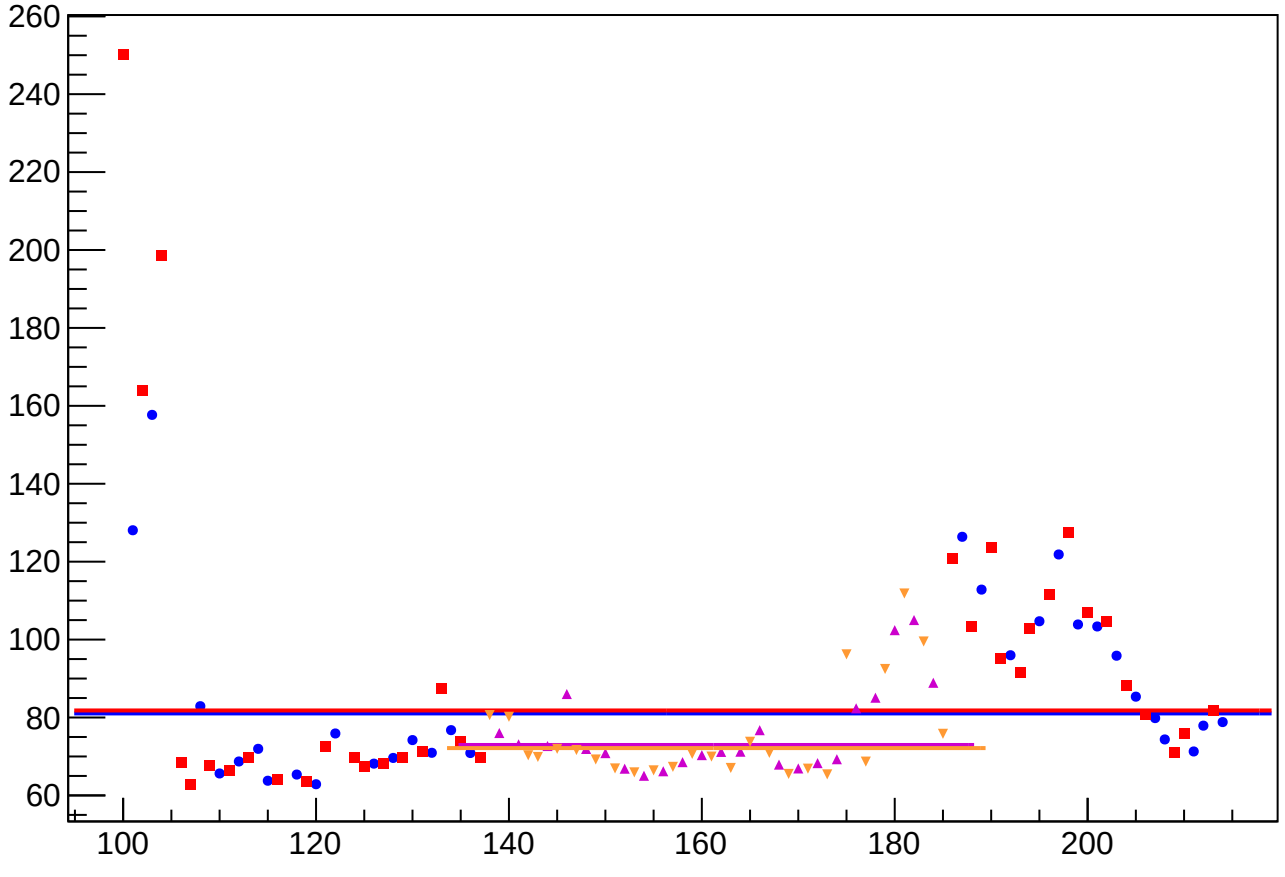
Right: -67.208+/-13.725 χ^2/NDF: 76.7/63

In: 23.313+/-12.902 χ^2/NDF:92.9/52

Out: 33.931+/-12.624 χ^2/NDF:129.9/58

All: 28.738+/-9.023 χ^2/NDF: 223.2/111

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



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

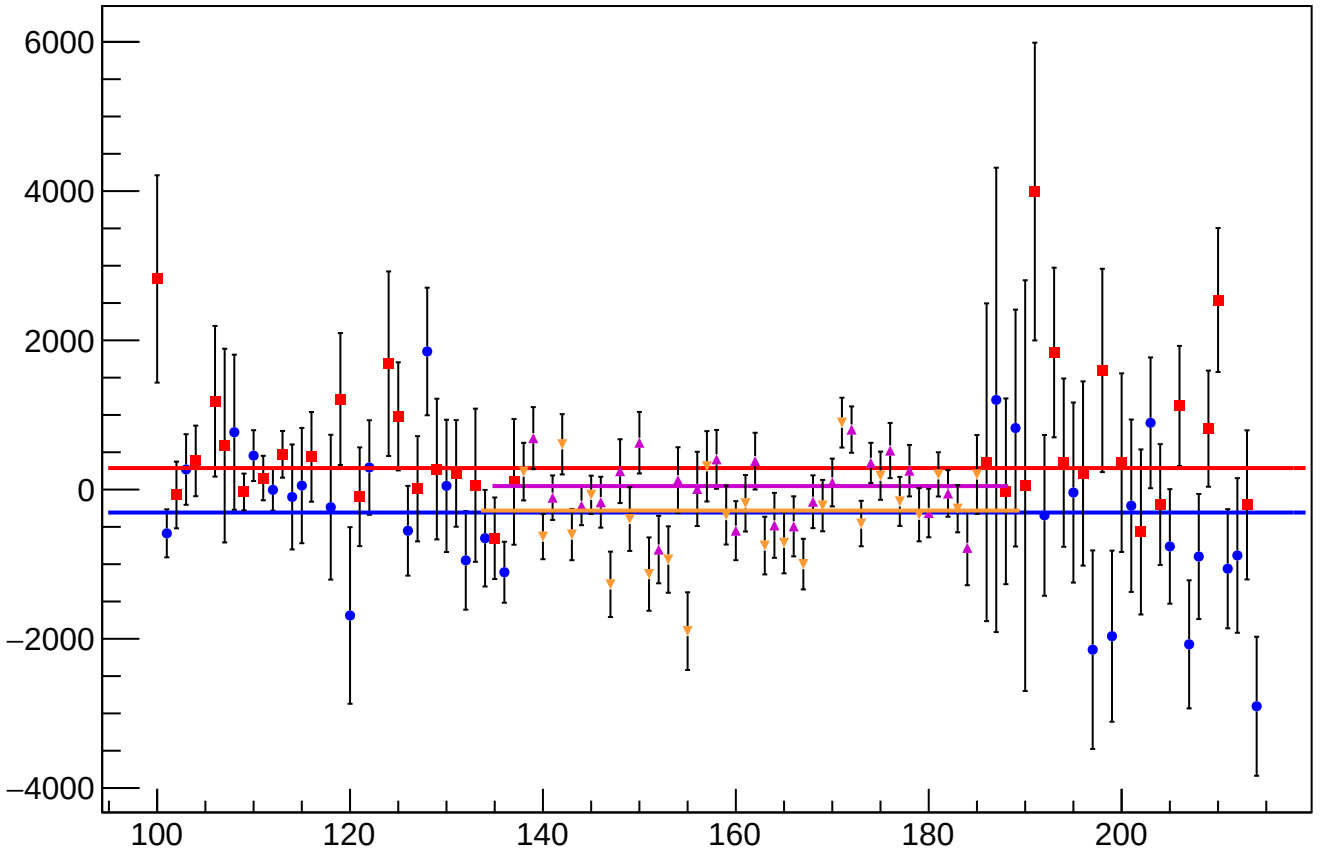
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

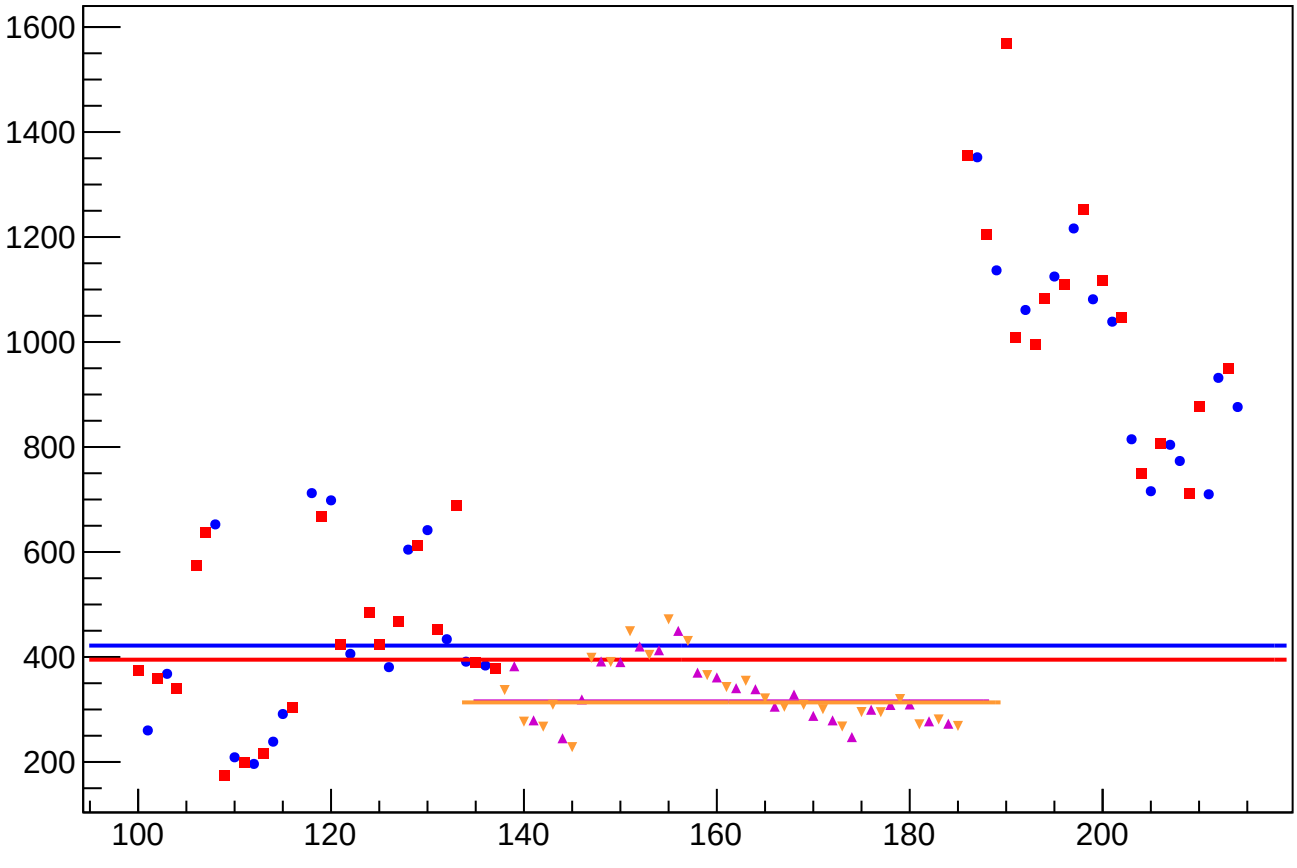
Right: 81.429+/-0.010 χ^2/NDF: 3633845.9/63

In: 76.523+/-0.009 χ^2/NDF:2208749.6/52

Out: 76.240+/-0.009 χ^2/NDF:3054794.5/58

All: 76.378+/-0.006 χ^2/NDF: 5264034.6/111


asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -307.774+/-116.110 χ²/NDF: 44.6/29
Left Out: -281.205+/-72.538 χ²/NDF:56.8/24
Right Out: 288.118+/-110.686 χ²/NDF: 28.5/33
Left In: 46.569+/-74.897 χ²/NDF:30.7/22
Left: -122.562+/-52.106 χ²/NDF: 97.4/47
Right: 4.416+/-80.116 χ²/NDF: 86.9/63
In: -57.548+/-62.939 χ²/NDF:81.9/52
Out: -110.155+/-60.670 χ²/NDF:103.9/58
All: -84.817+/-43.680 χ²/NDF: 186.1/111



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

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

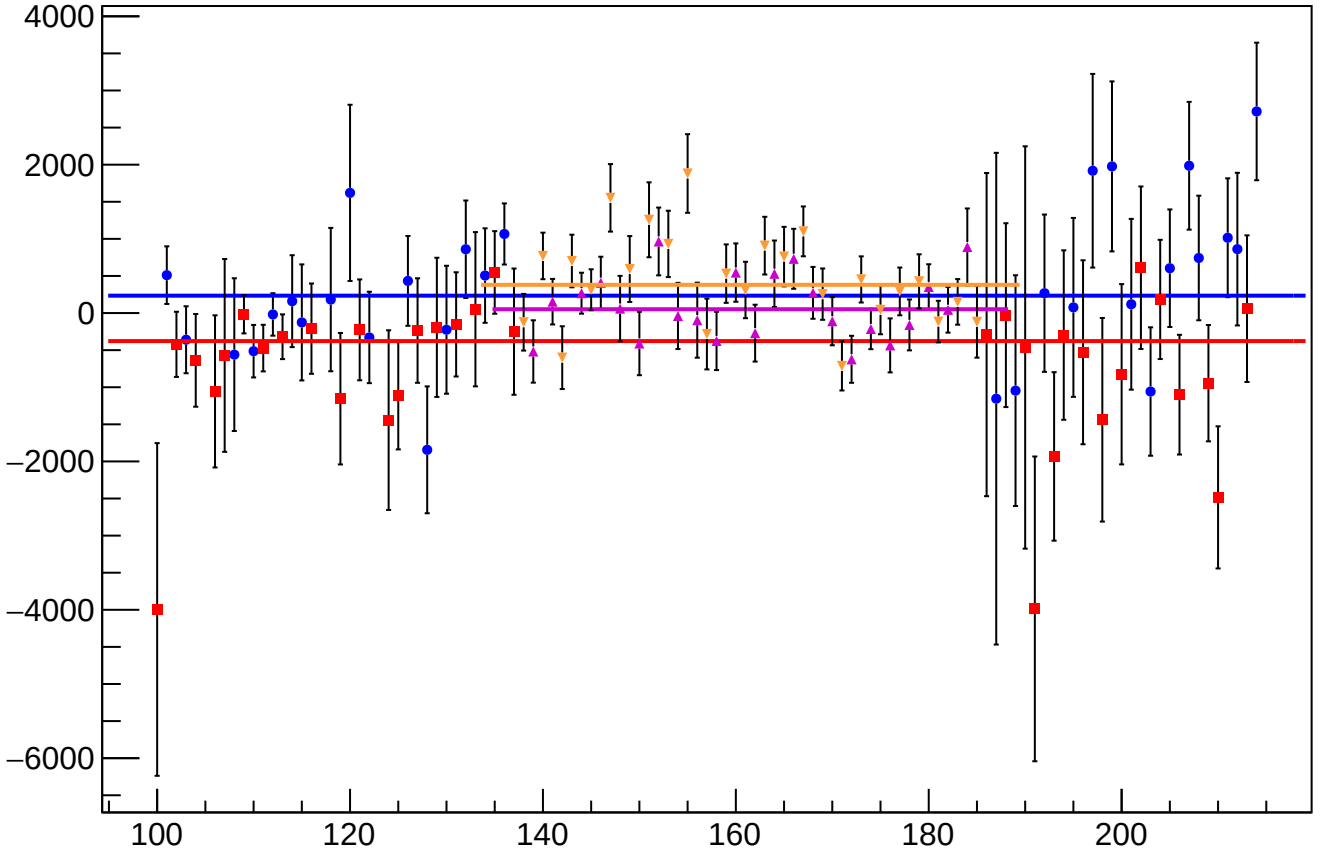
Right: 407.642+/-0.057 χ^2/NDF: 22303200.2/63

In: 346.675+/-0.045 χ^2/NDF:12218902.4/52

Out: 337.945+/-0.043 χ^2/NDF:14150970.7/58

All: 342.150+/-0.031 χ^2/NDF: 26389817.7/11

asym_sam7_mean vs Slug, Sign Corrected



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

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

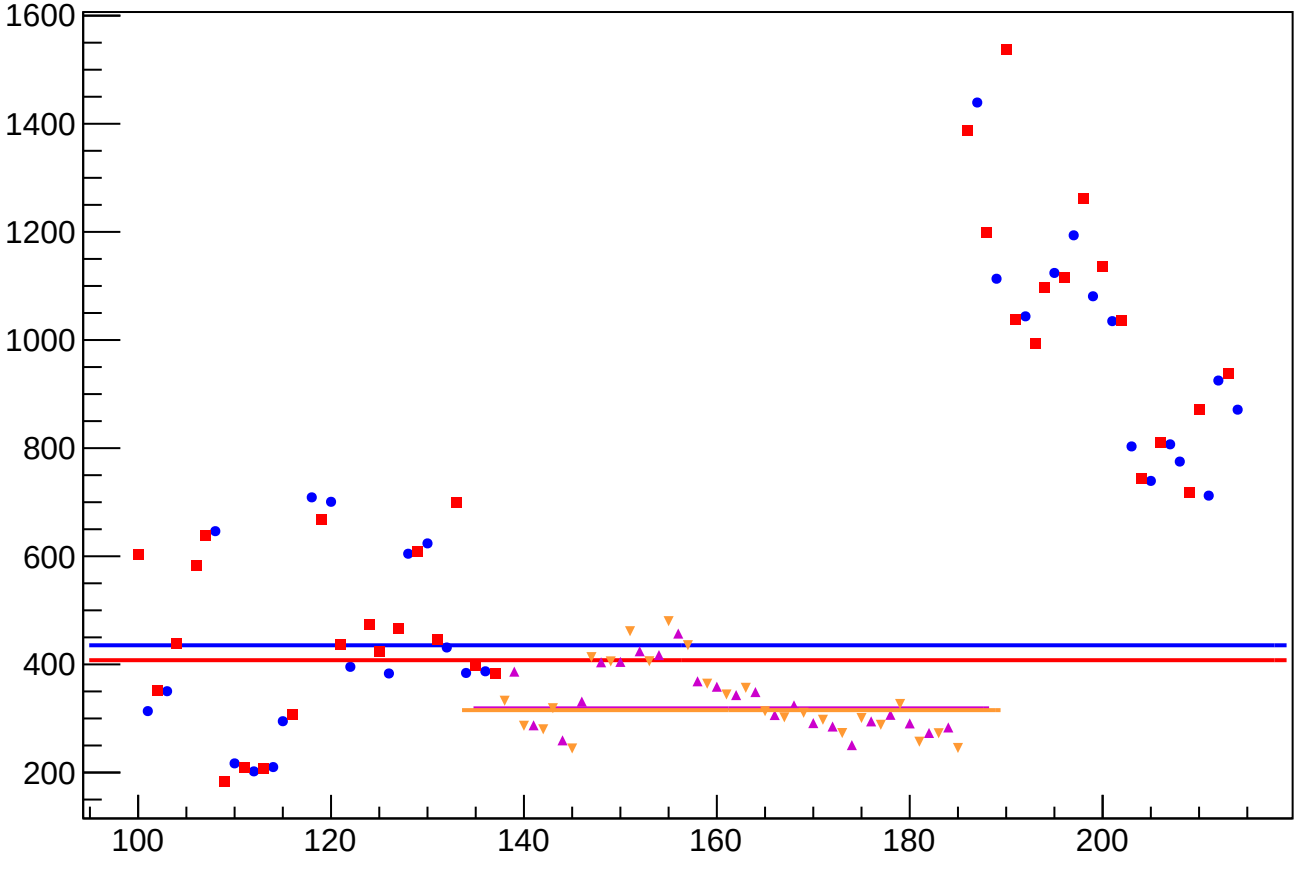
Right: -84.925+/-82.084 χ^2/NDF: 80.8/63

In: 104.297+/-63.779 χ^2/NDF:72.1/52

Out: 158.886+/-61.455 χ^2/NDF:111.6/58

All: 132.604+/-44.254 χ^2/NDF: 184.1/111

asym_sam7_rms vs Slug, Sign Corrected



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

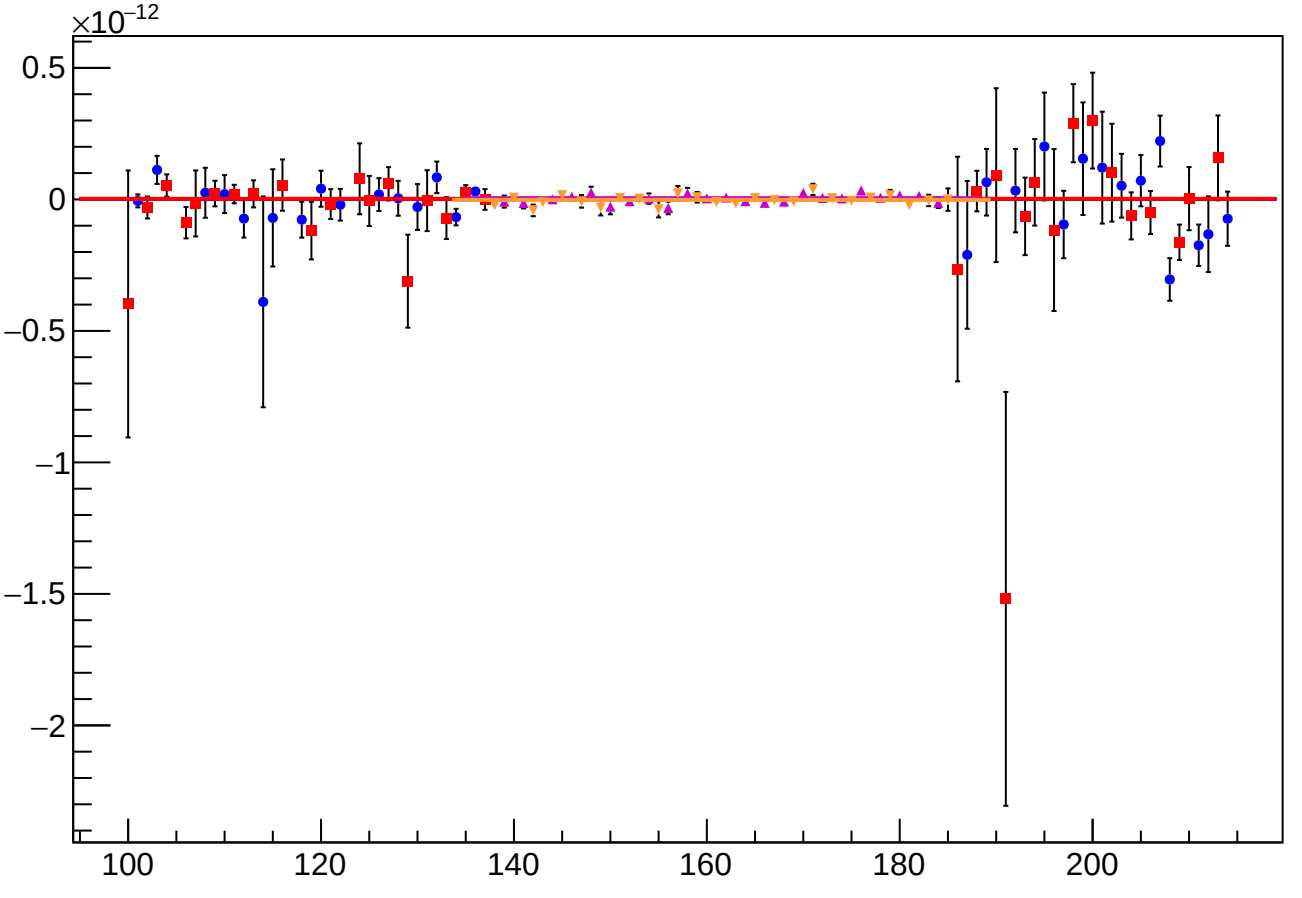
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 420.969+/-0.058 χ^2/NDF: 21442970.5/63

In: 352.383+/-0.045 χ^2/NDF:11852384.1/52

Out: 342.407+/-0.043 χ^2/NDF:14045541.8/58

All: 347.210+/-0.031 χ^2/NDF: 25923299.5/11



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

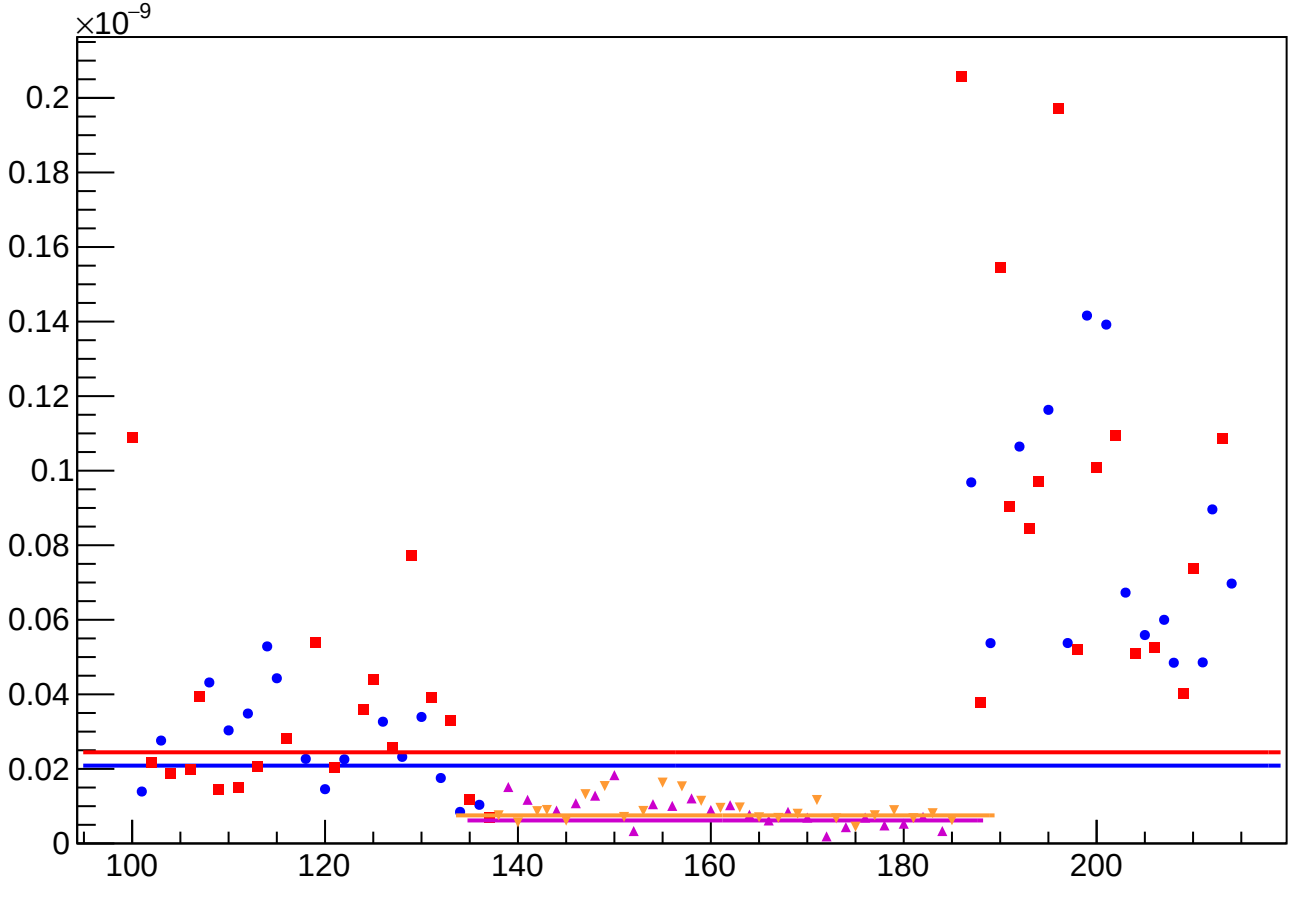
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 80.1/63

In: 0.000+/-0.000 χ^2/NDF:65.5/52

Out: -0.000+/-0.000 χ^2/NDF:51.4/58

All: 0.000+/-0.000 χ^2/NDF: 118.9/111



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

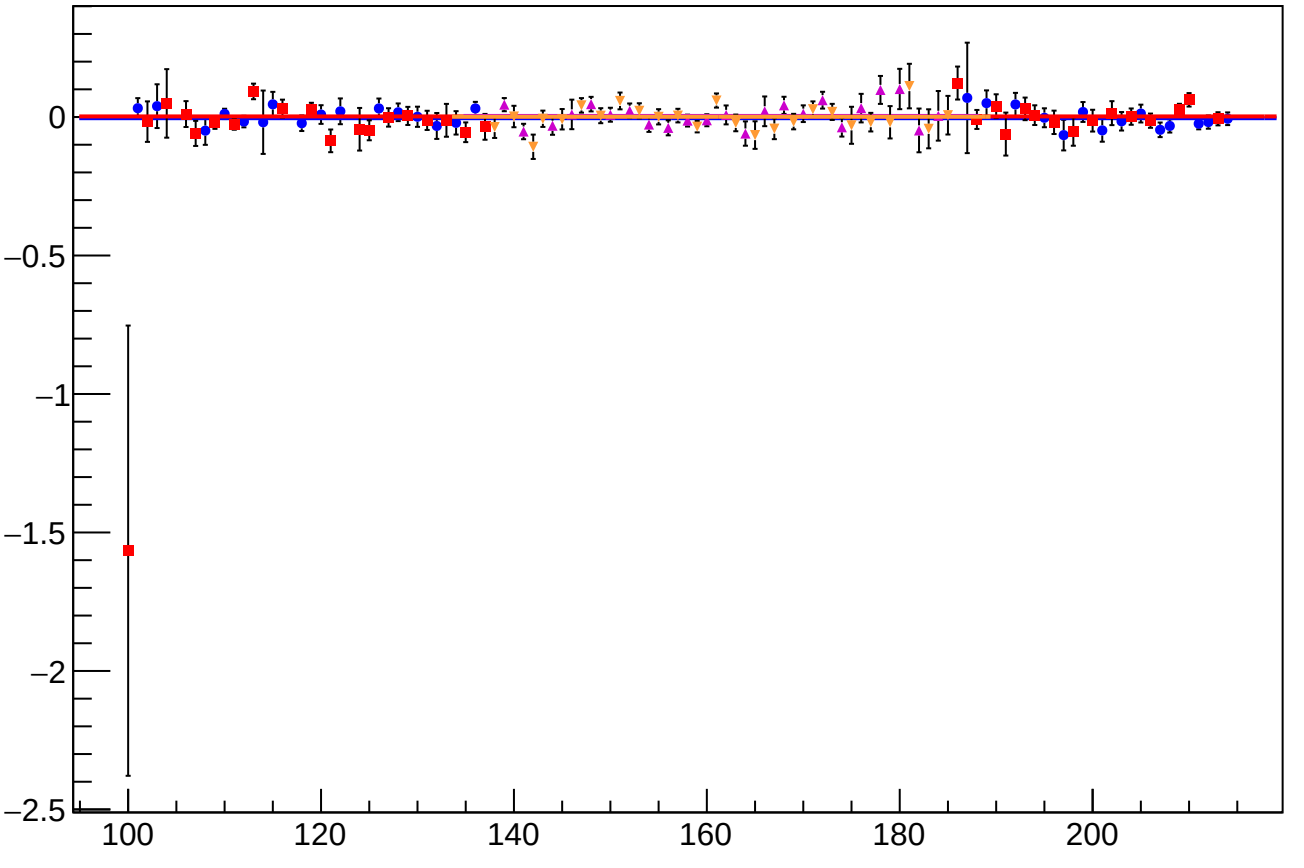
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12650157.7/63

In: 0.000+/-0.000 χ^2/NDF:13068046.6/52

Out: 0.000+/-0.000 χ^2/NDF:10952105.4/58

All: 0.000+/-0.000 χ^2/NDF: 24227635.0/111



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

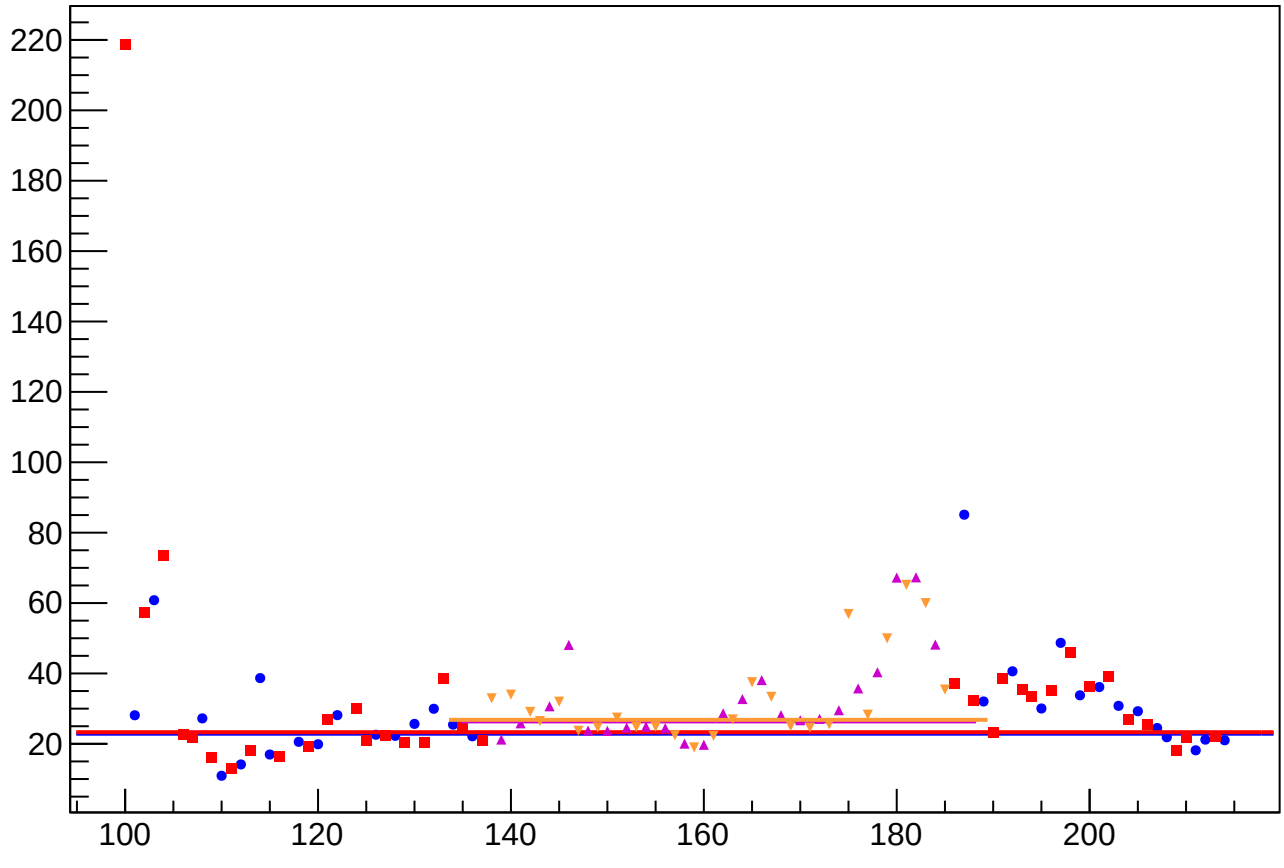
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: -0.001+/-0.004 χ^2/NDF: 68.4/63

In: -0.001+/-0.004 χ^2/NDF:52.7/52

Out: 0.002+/-0.004 χ^2/NDF:77.4/58

All: 0.001+/-0.003 χ^2/NDF: 130.2/111



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

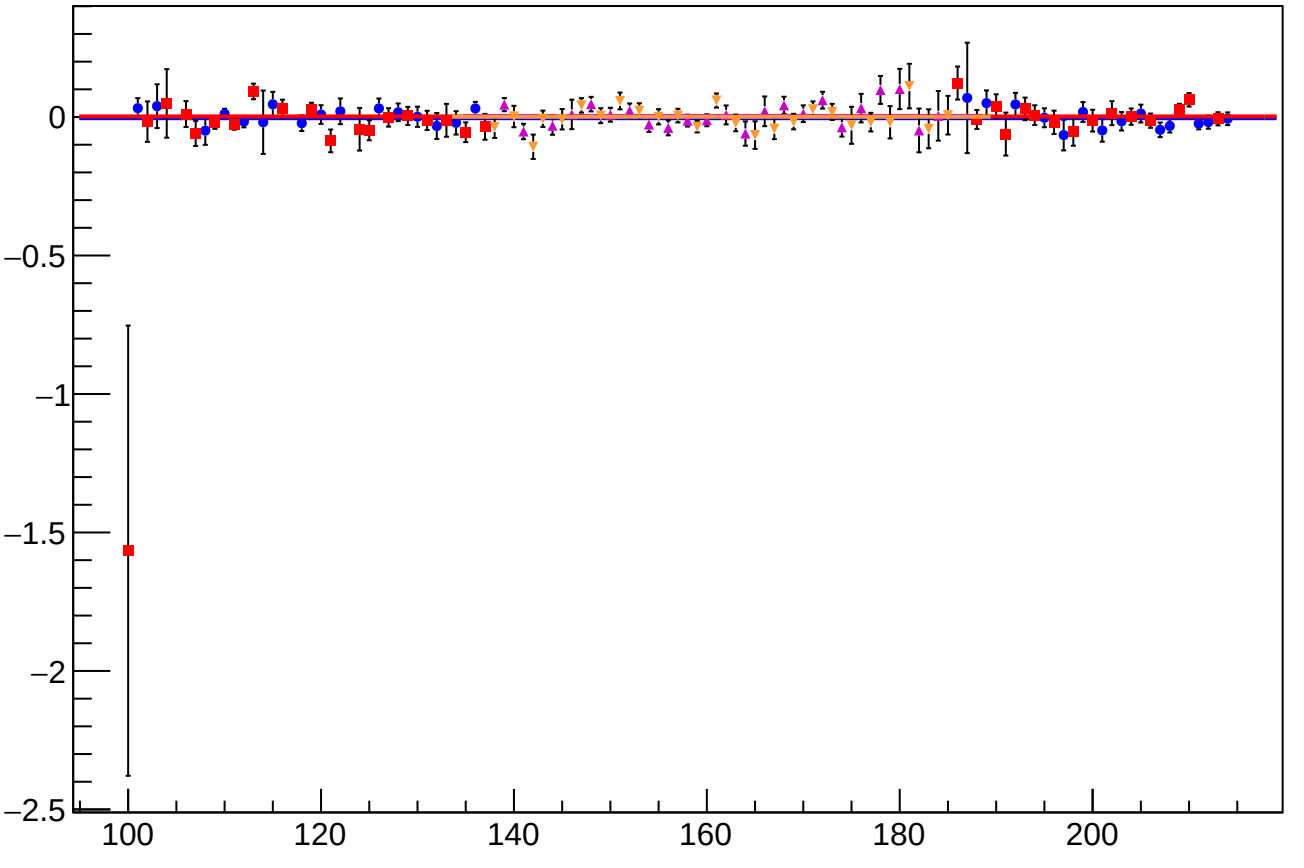
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.093+/-0.003 χ^2/NDF: 7737874.1/63

In: 24.403+/-0.003 χ^2/NDF:6656467.8/52

Out: 24.879+/-0.003 χ^2/NDF:6751911.2/58

All: 24.642+/-0.002 χ^2/NDF: 13420329.1/111



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

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

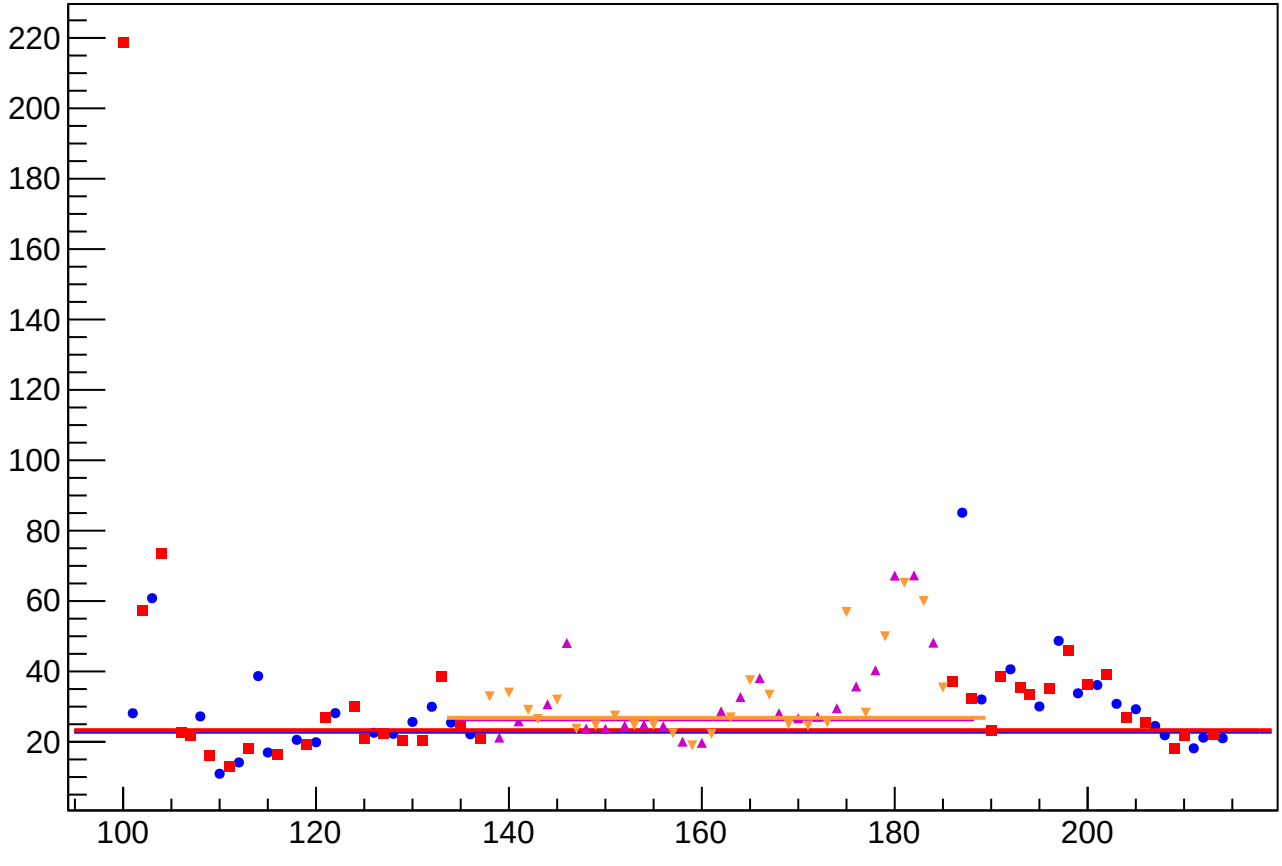
Right: -0.001+/-0.004 χ^2/NDF: 68.4/63

In: -0.001+/-0.004 χ^2/NDF:52.7/52

Out: 0.002+/-0.004 χ^2/NDF:77.4/58

All: 0.001+/-0.003 χ^2/NDF: 130.2/111

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

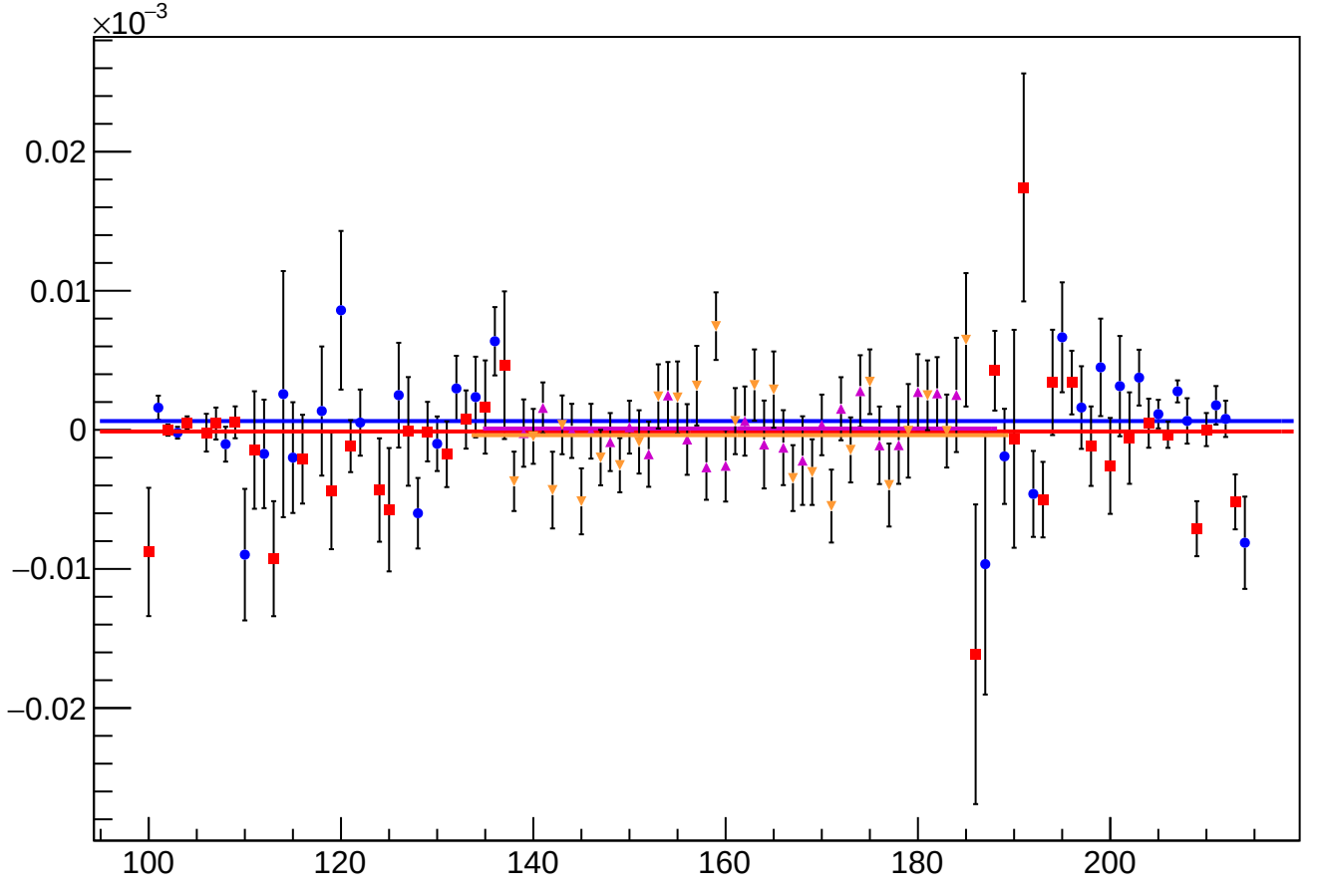
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.093+/-0.003 χ^2/NDF: 7737874.1/63

In: 24.403+/-0.003 χ^2/NDF:6656467.8/52

Out: 24.879+/-0.003 χ^2/NDF:6751911.2/58

All: 24.642+/-0.002 χ^2/NDF: 13420329.1/111



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

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

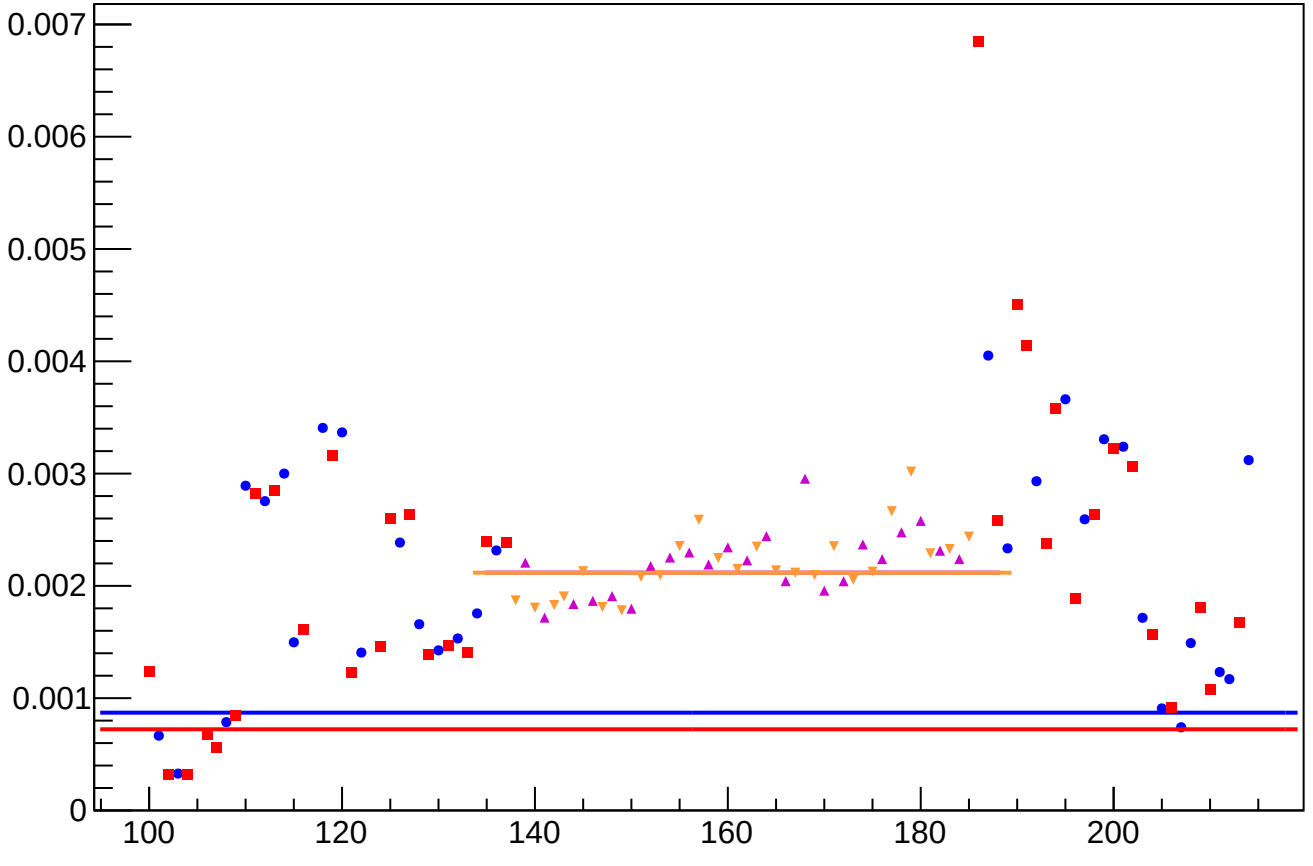
Right: 0.000+/-0.000 χ^2/NDF: 112.3/63

In: 0.000+/-0.000 χ^2/NDF:65.9/52

Out: -0.000+/-0.000 χ^2/NDF:96.4/58

All: 0.000+/-0.000 χ^2/NDF: 166.9/111

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

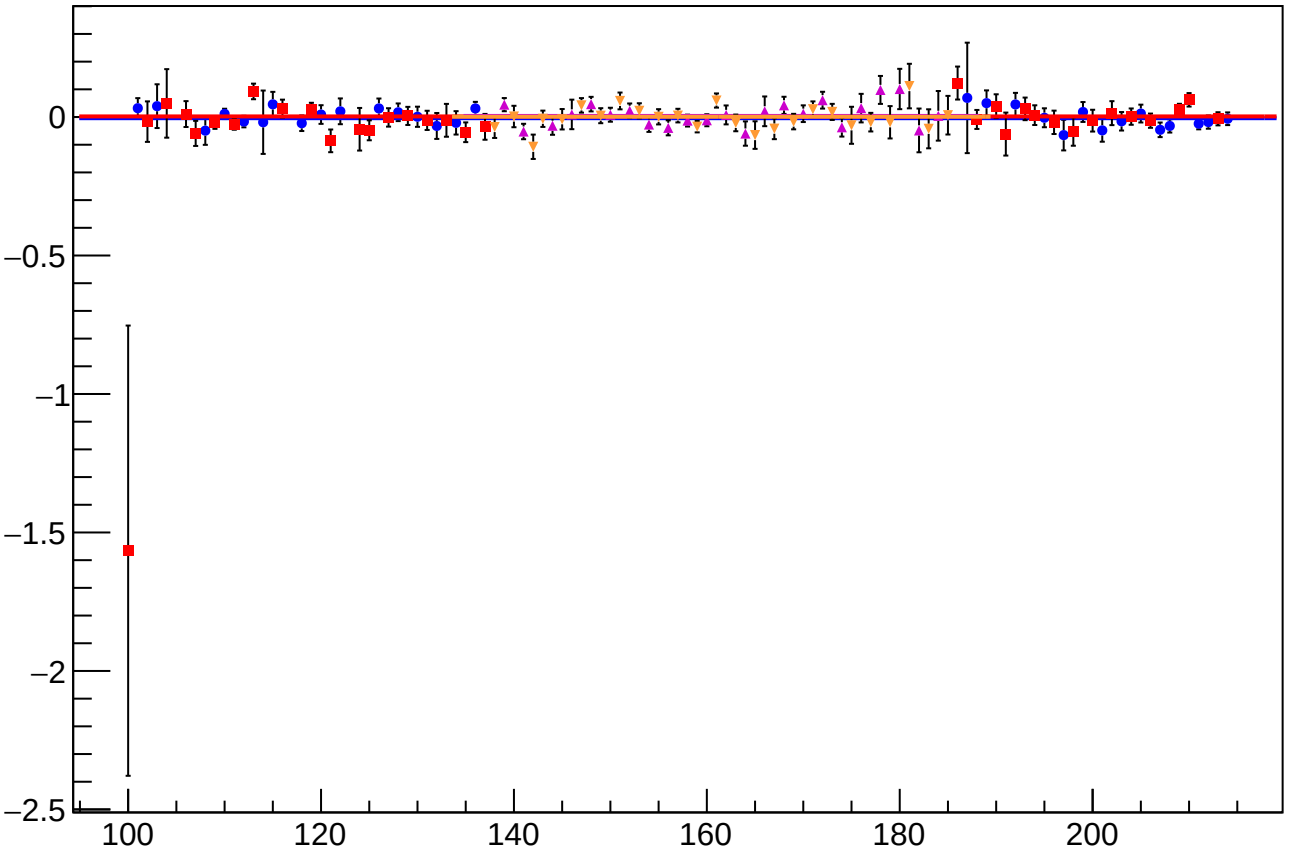
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 31723782.8/63

In: 0.001+/-0.000 χ^2/NDF:24314580.6/52

Out: 0.001+/-0.000 χ^2/NDF:31237280.5/58

All: 0.001+/-0.000 χ^2/NDF: 56091919.8/111



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

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

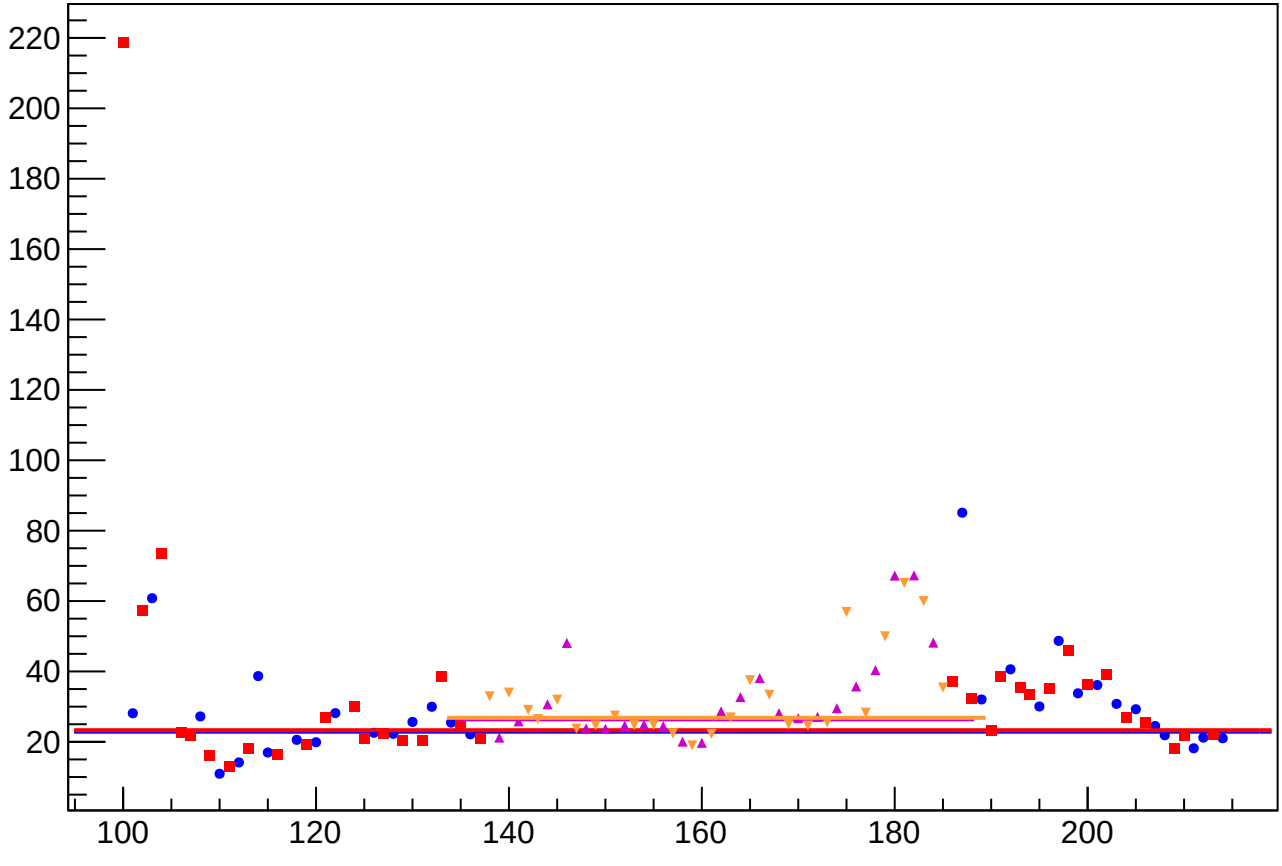
Right: -0.001+/-0.004 χ^2/NDF: 68.4/63

In: -0.001+/-0.004 χ^2/NDF:52.7/52

Out: 0.002+/-0.004 χ^2/NDF:77.4/58

All: 0.001+/-0.003 χ^2/NDF: 130.2/111

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

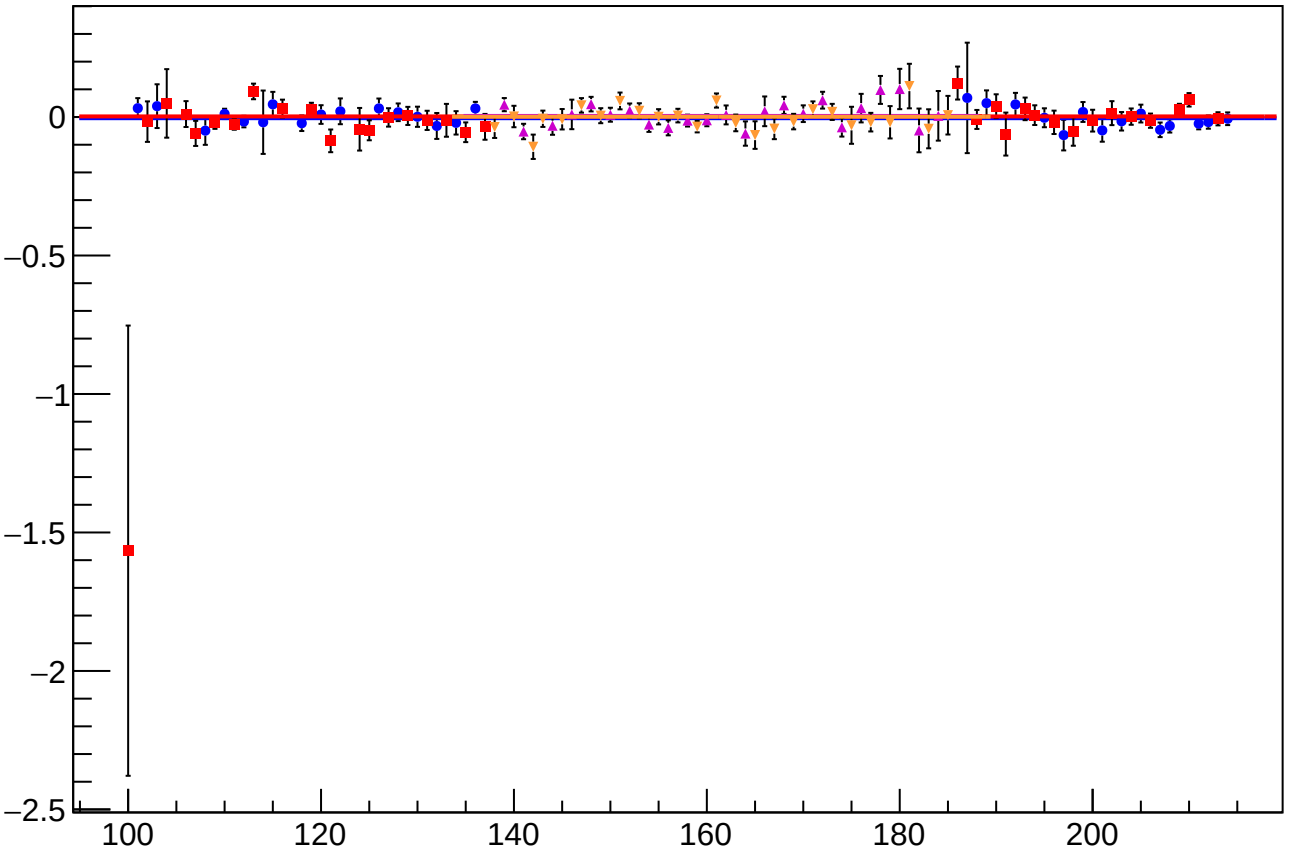
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.093+/-0.003 χ^2/NDF: 7737384.5/63

In: 24.404+/-0.003 χ^2/NDF:6656192.5/52

Out: 24.879+/-0.003 χ^2/NDF:6751732.3/58

All: 24.642+/-0.002 χ^2/NDF: 13419865.3/111



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

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

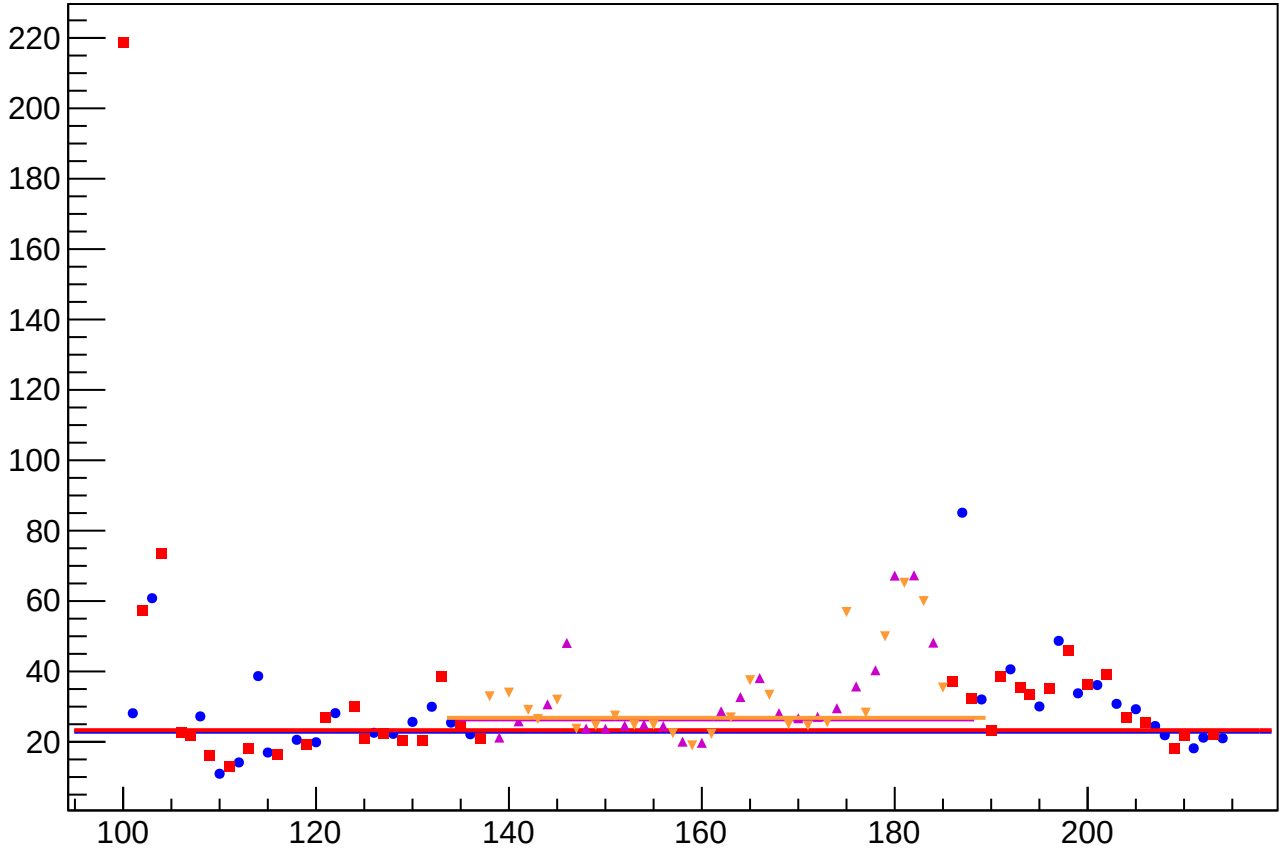
Right: -0.001+/-0.004 χ^2/NDF: 68.4/63

In: -0.001+/-0.004 χ^2/NDF:52.7/52

Out: 0.002+/-0.004 χ^2/NDF:77.4/58

All: 0.001+/-0.003 χ^2/NDF: 130.2/111

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

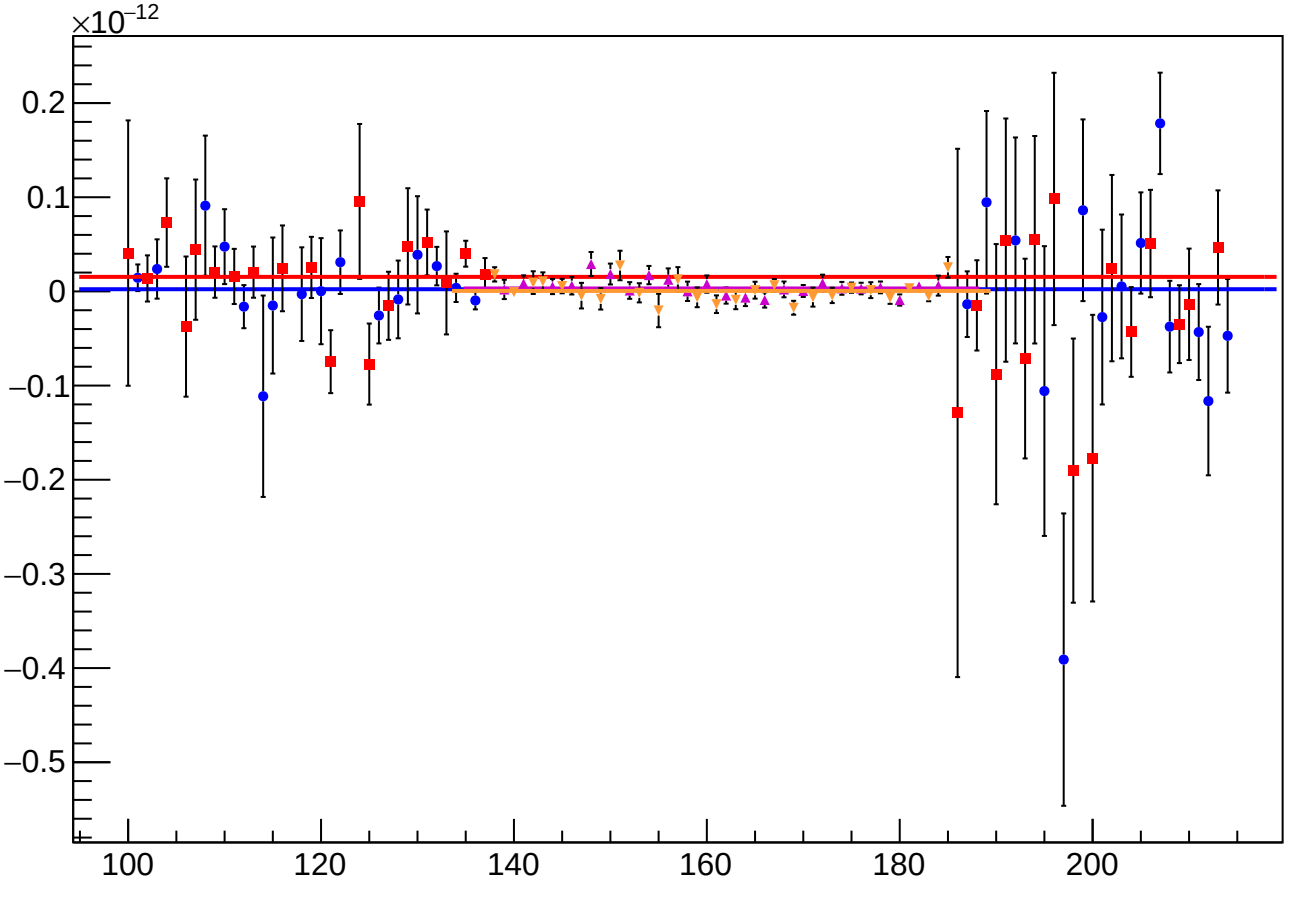
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.093+/-0.003 χ^2/NDF: 7737384.5/63

In: 24.404+/-0.003 χ^2/NDF:6656192.5/52

Out: 24.879+/-0.003 χ^2/NDF:6751732.3/58

All: 24.642+/-0.002 χ^2/NDF: 13419865.3/111



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

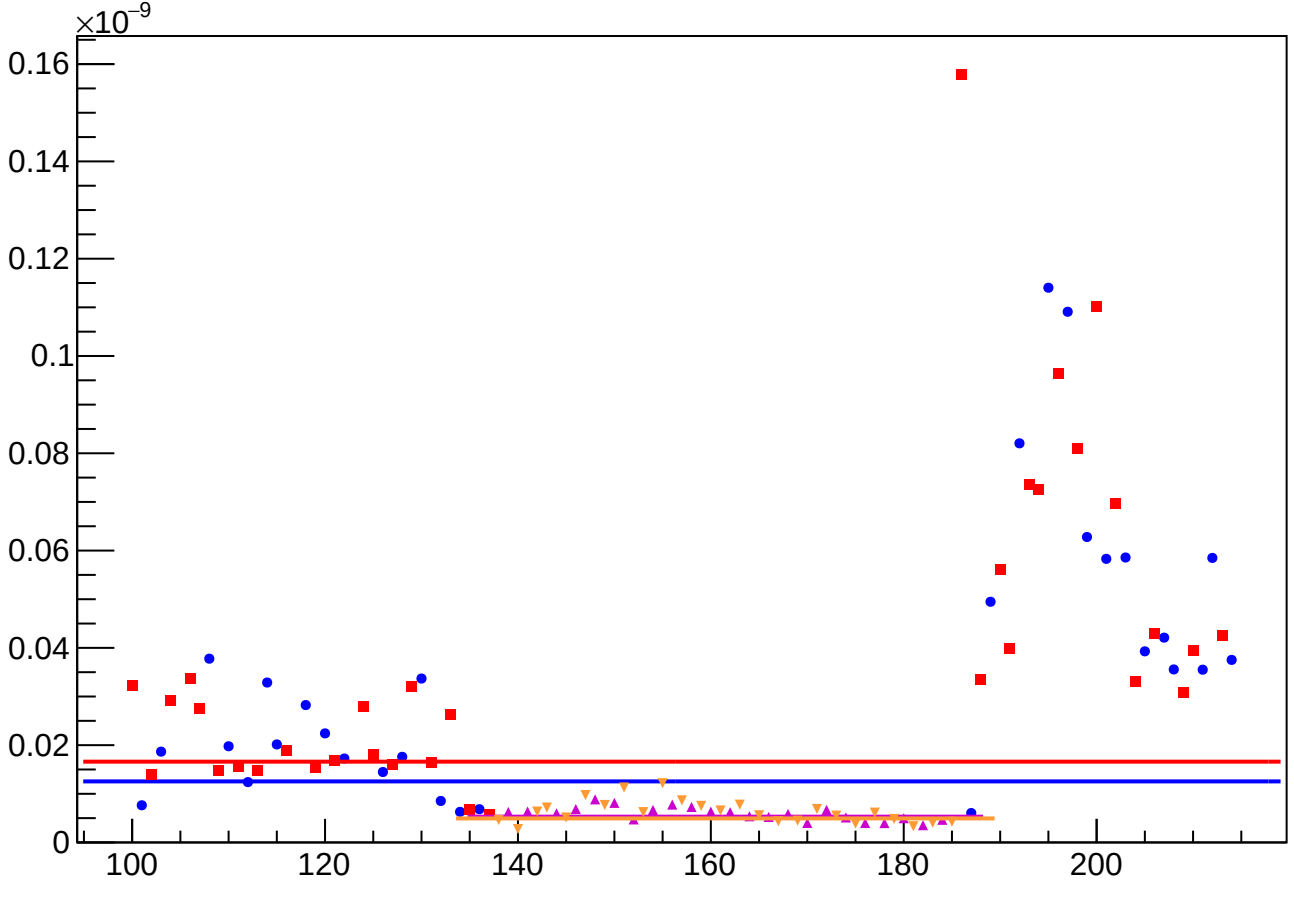
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 68.9/63

In: 0.000+/-0.000 χ^2/NDF:55.0/52

Out: 0.000+/-0.000 χ^2/NDF:68.1/58

All: 0.000+/-0.000 χ^2/NDF: 123.8/111



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

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

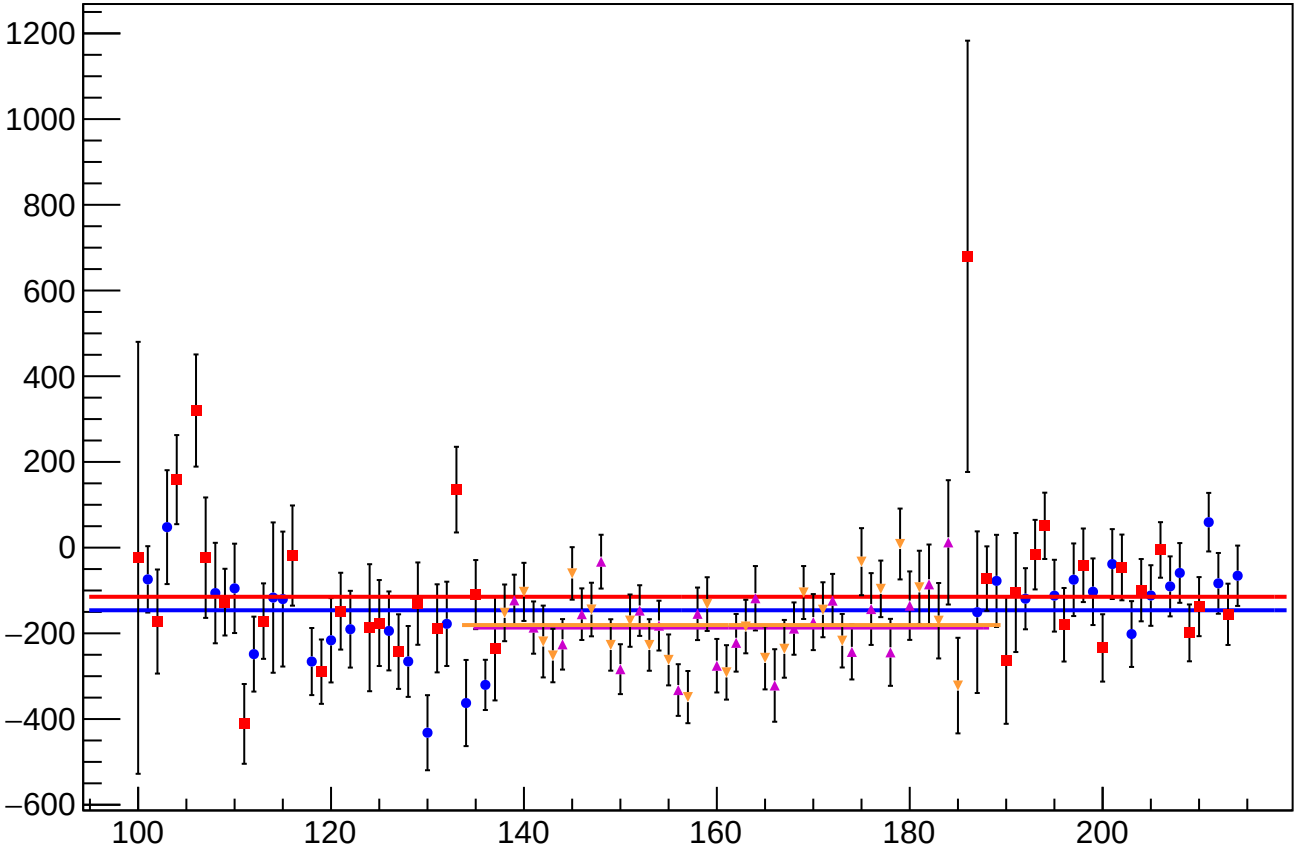
Right: 0.000+/-0.000 χ^2/NDF: 18913800.8/63

In: 0.000+/-0.000 χ^2/NDF:14486688.8/52

Out: 0.000+/-0.000 χ^2/NDF:17152648.3/58

All: 0.000+/-0.000 χ^2/NDF: 31694826.2/111

reg_asym_sam8_mean vs Slug, Sign Corrected



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

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

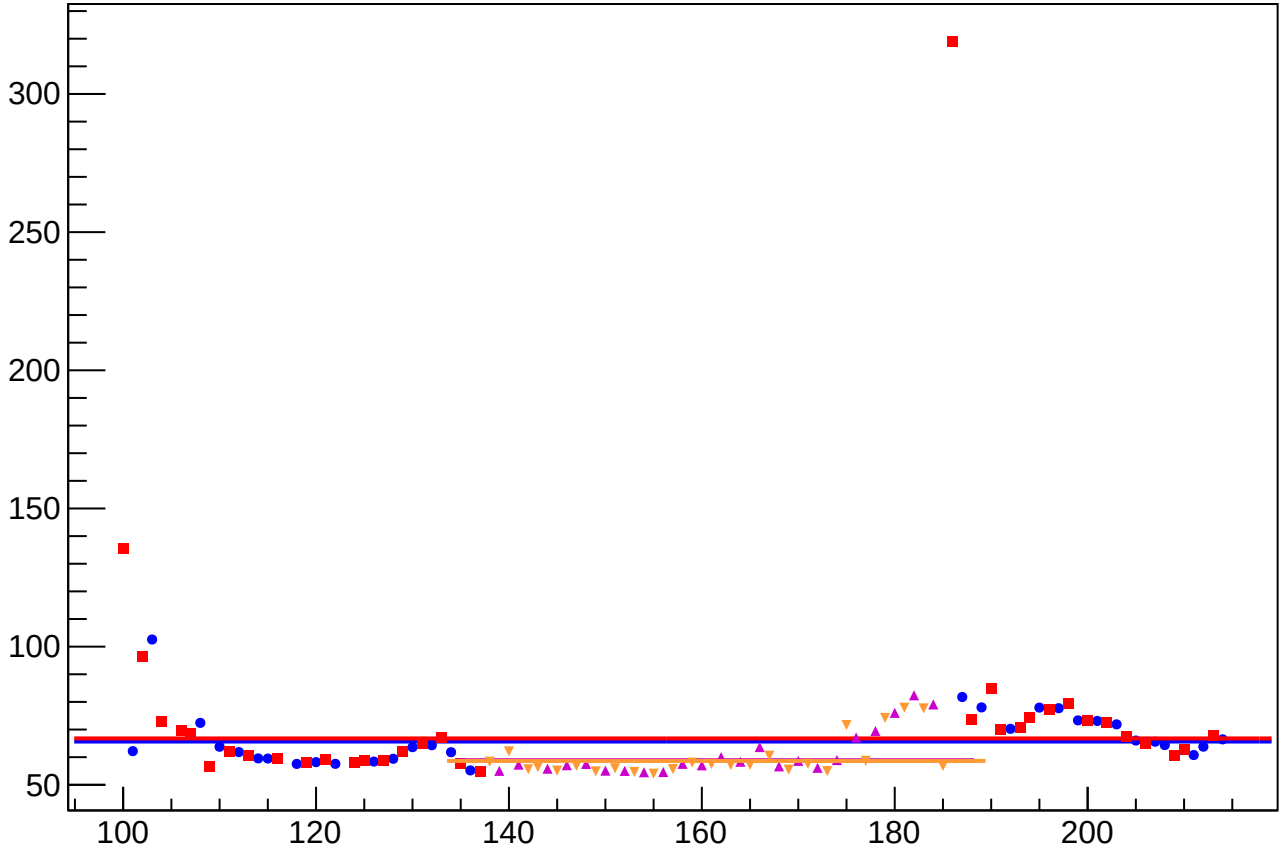
Right: -130.527+/-10.980 χ^2/NDF: 119.3/63

In: -168.589+/-10.325 χ^2/NDF:84.8/52

Out: -152.572+/-10.167 χ^2/NDF:114.1/58

All: -160.456+/-7.244 χ^2/NDF: 200.2/111

reg_asym_sam8_rms vs Slug, Sign Corrected



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

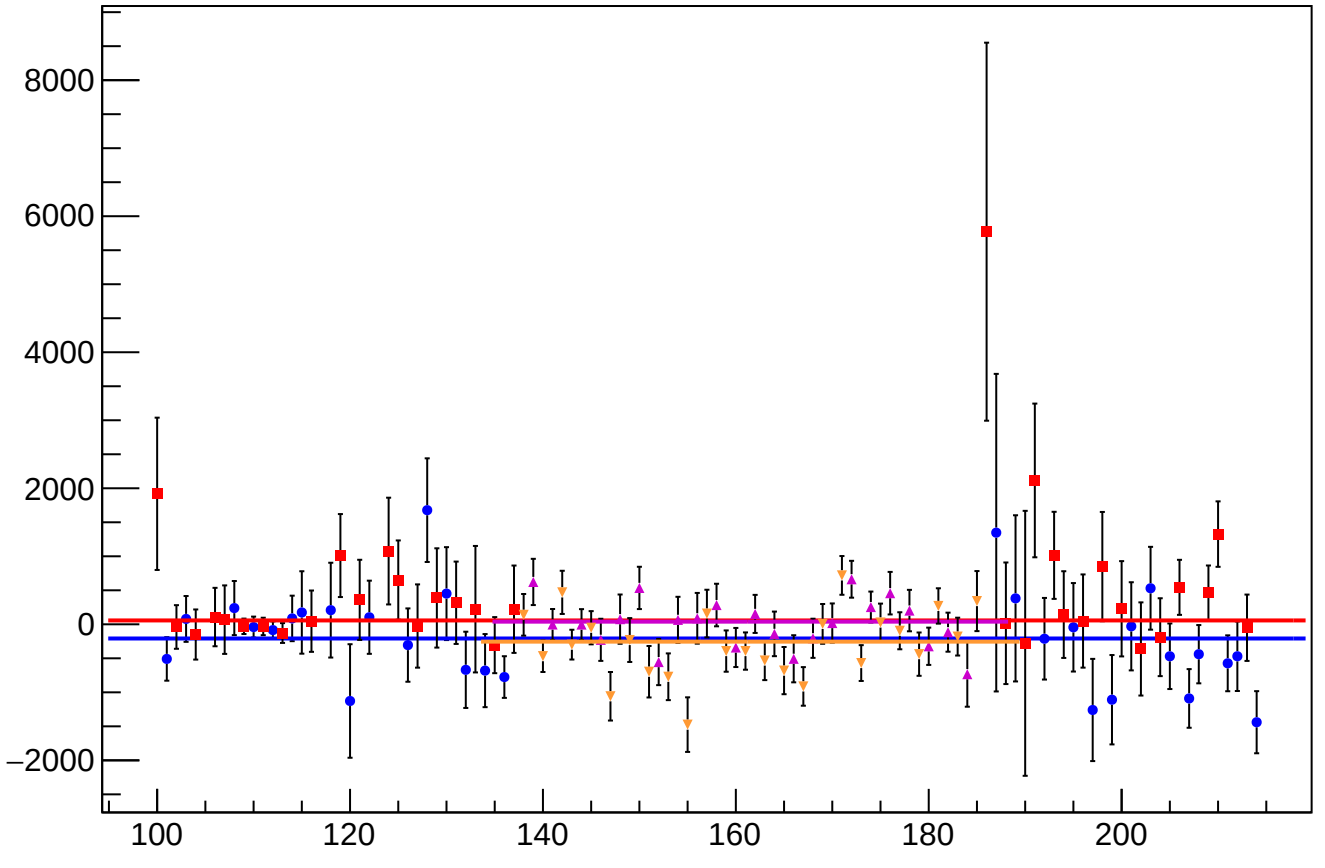
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.223+/-0.008 χ^2/NDF: 1562610.1/63

In: 61.914+/-0.007 χ^2/NDF:1108953.6/52

Out: 62.113+/-0.007 χ^2/NDF:1754611.3/58

All: 62.015+/-0.005 χ^2/NDF: 2863938.7/111



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

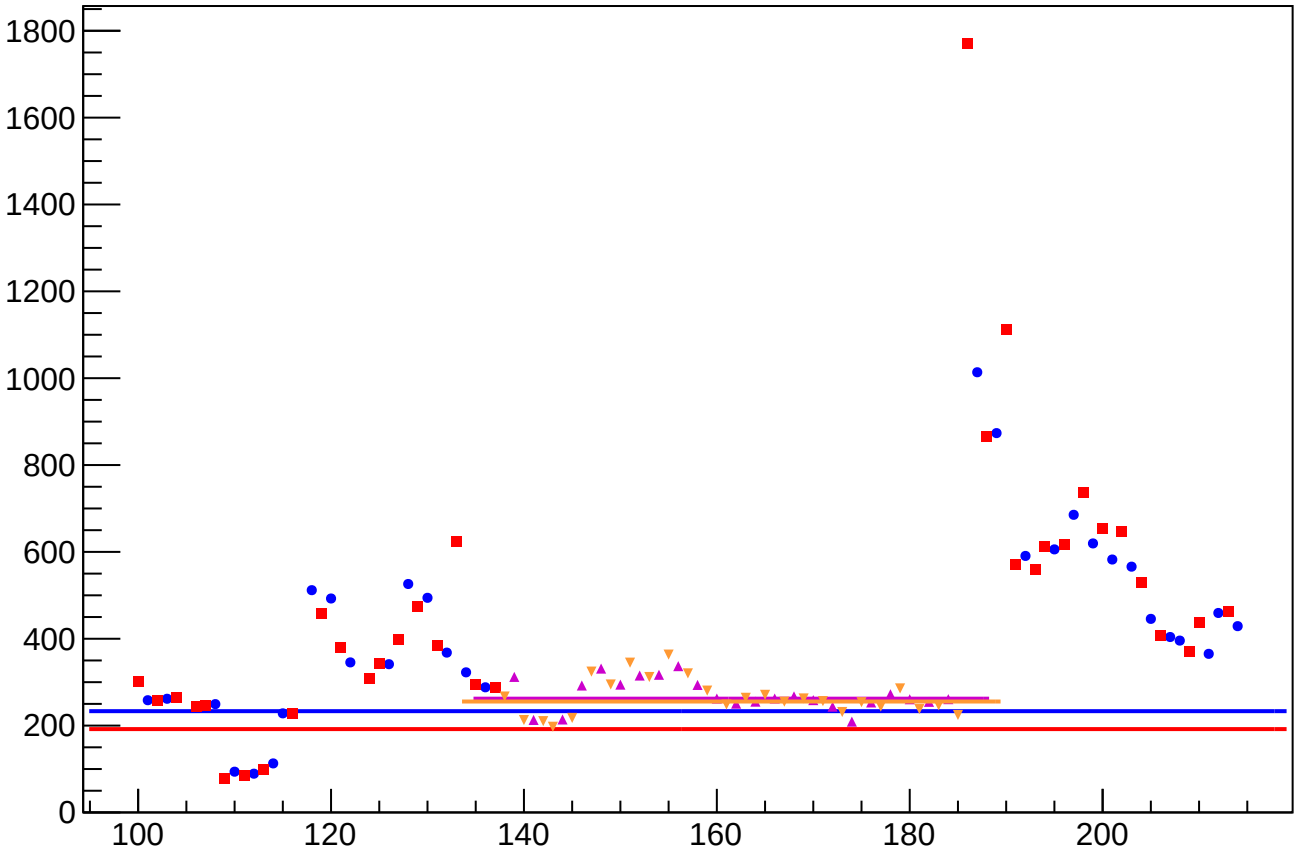
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -58.118+/-44.692 χ^2/NDF: 81.4/63

In: -73.294+/-45.732 χ^2/NDF:74.9/52

Out: -100.127+/-41.808 χ^2/NDF:105.0/58

All: -87.911+/-30.857 χ^2/NDF: 180.1/111



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

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

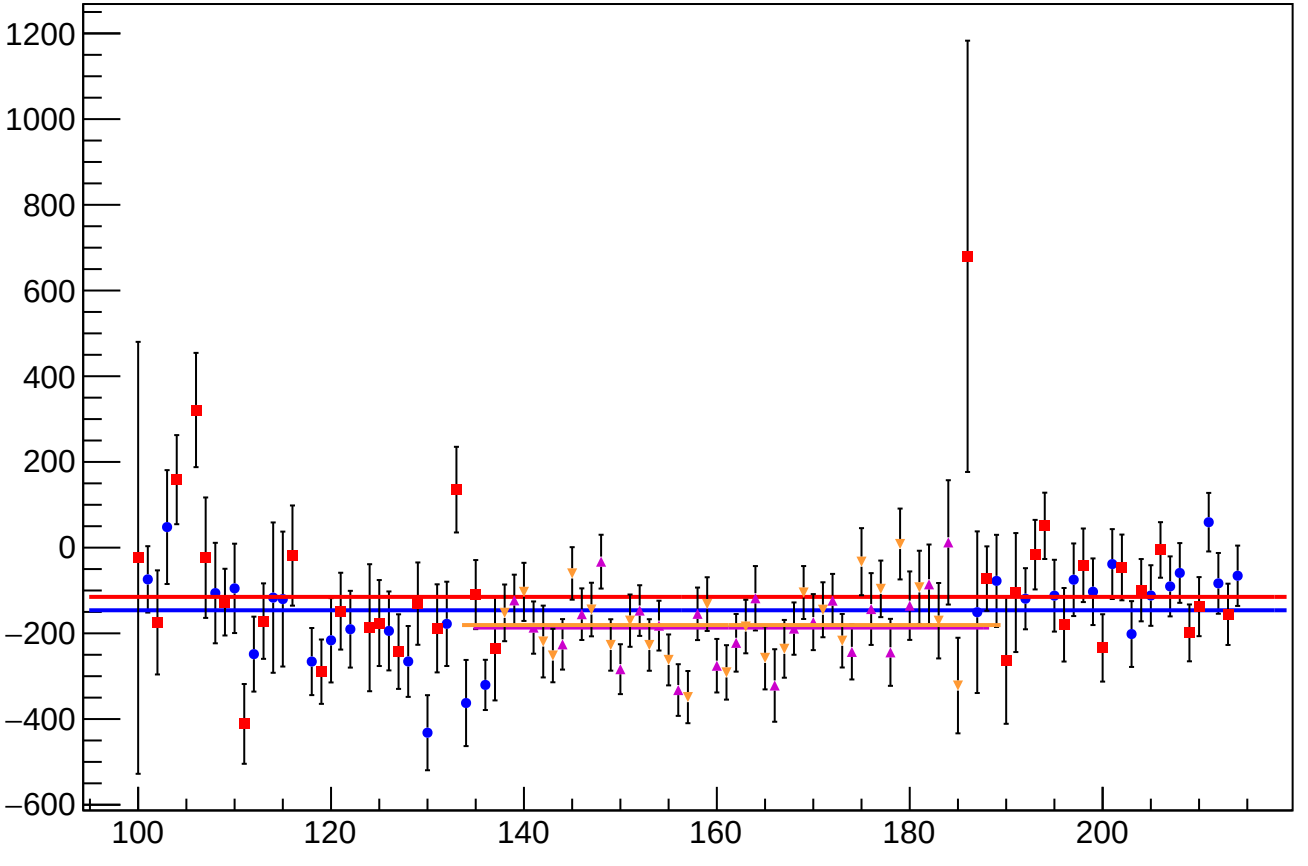
Right: 209.854+/-0.032 χ^2/NDF: 29811876.5/63

In: 248.953+/-0.032 χ^2/NDF:13550398.4/52

Out: 223.982+/-0.030 χ^2/NDF:18726681.8/58

All: 235.350+/-0.022 χ^2/NDF: 32601901.3/11

cor_asym_sam8_mean vs Slug, Sign Corrected



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

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

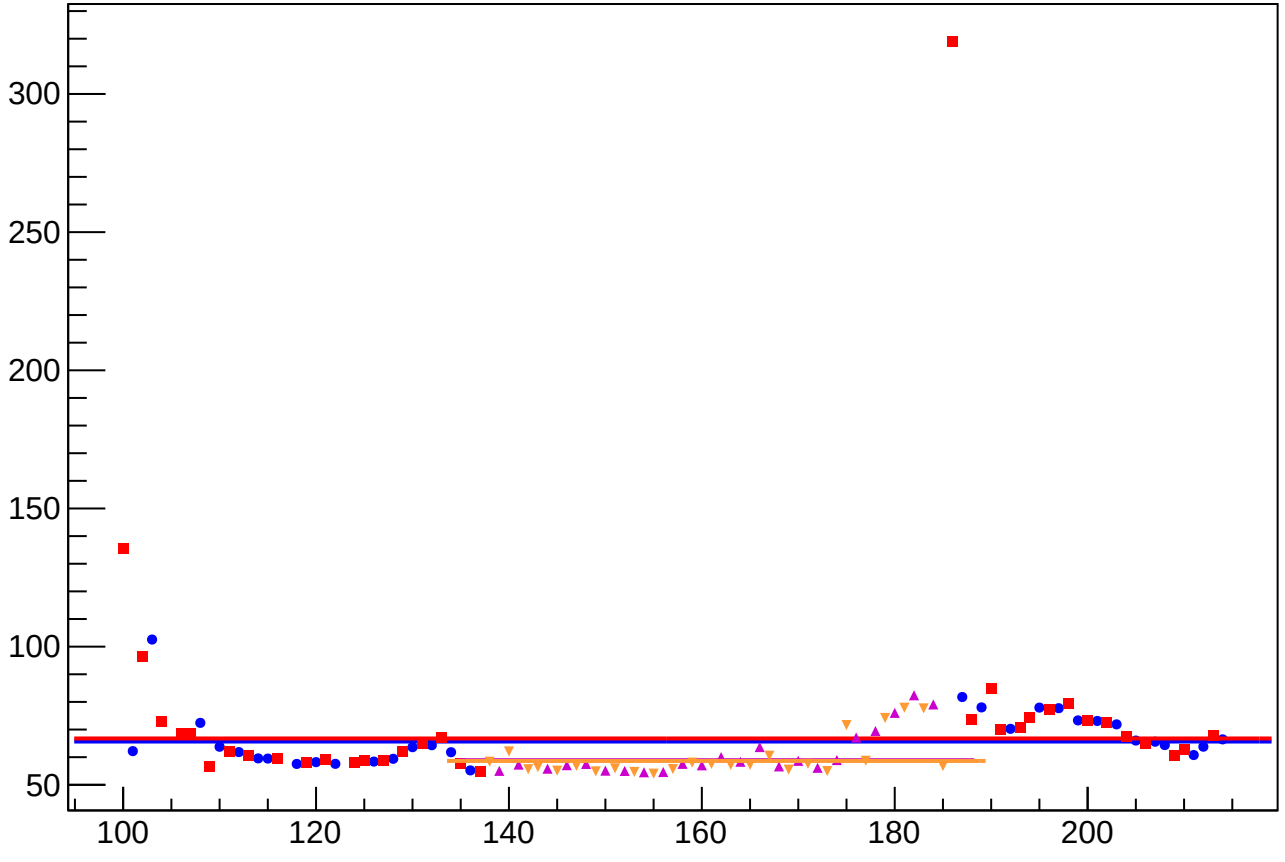
Right: -130.650+/-10.981 χ^2/NDF: 119.0/63

In: -168.589+/-10.325 χ^2/NDF:84.8/52

Out: -152.679+/-10.168 χ^2/NDF:113.7/58

All: -160.512+/-7.245 χ^2/NDF: 199.8/111

cor_asym_sam8_rms vs Slug, Sign Corrected



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

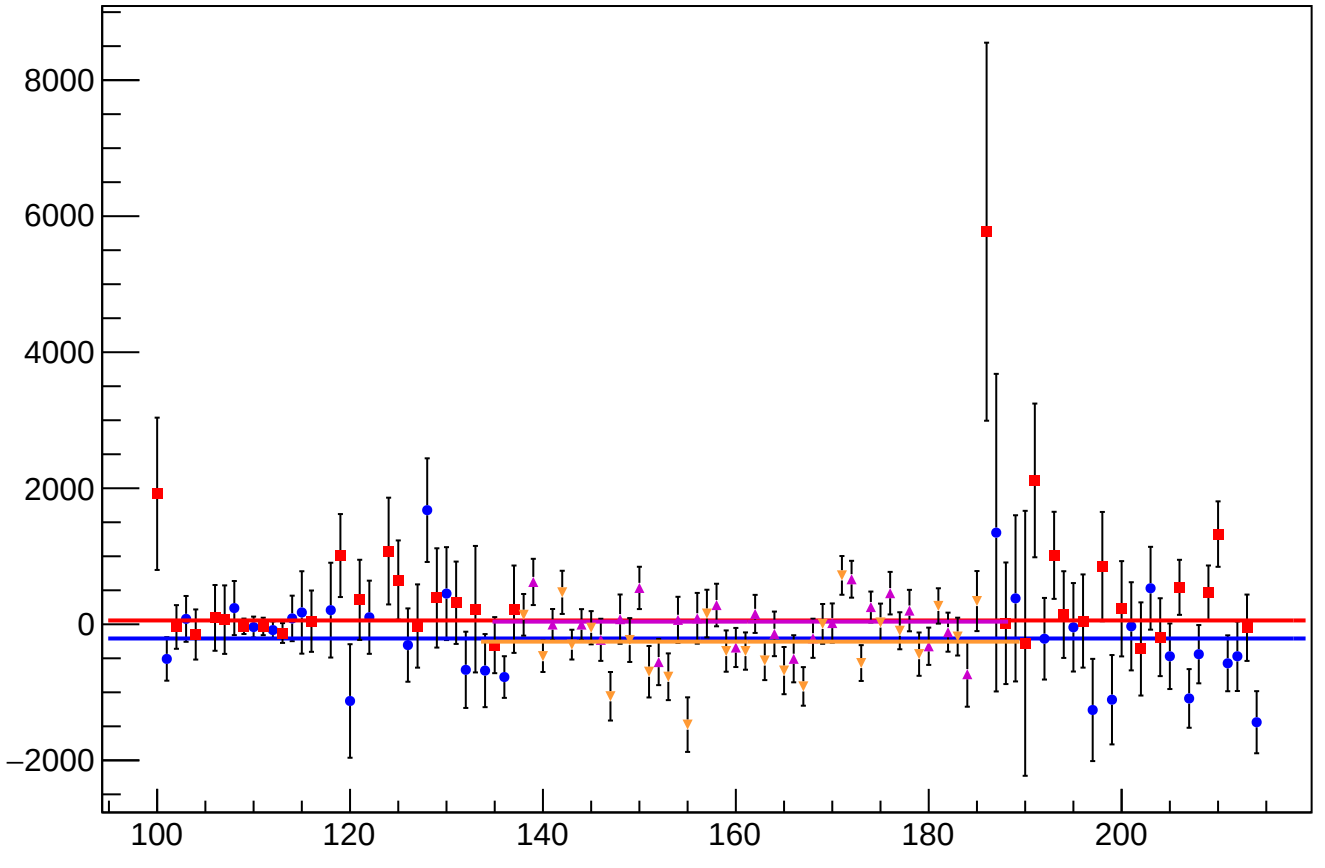
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.214+/-0.008 χ^2/NDF: 1562017.2/63

In: 61.914+/-0.007 χ^2/NDF:1108956.1/52

Out: 62.104+/-0.007 χ^2/NDF:1752760.5/58

All: 62.011+/-0.005 χ^2/NDF: 2862059.5/111



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

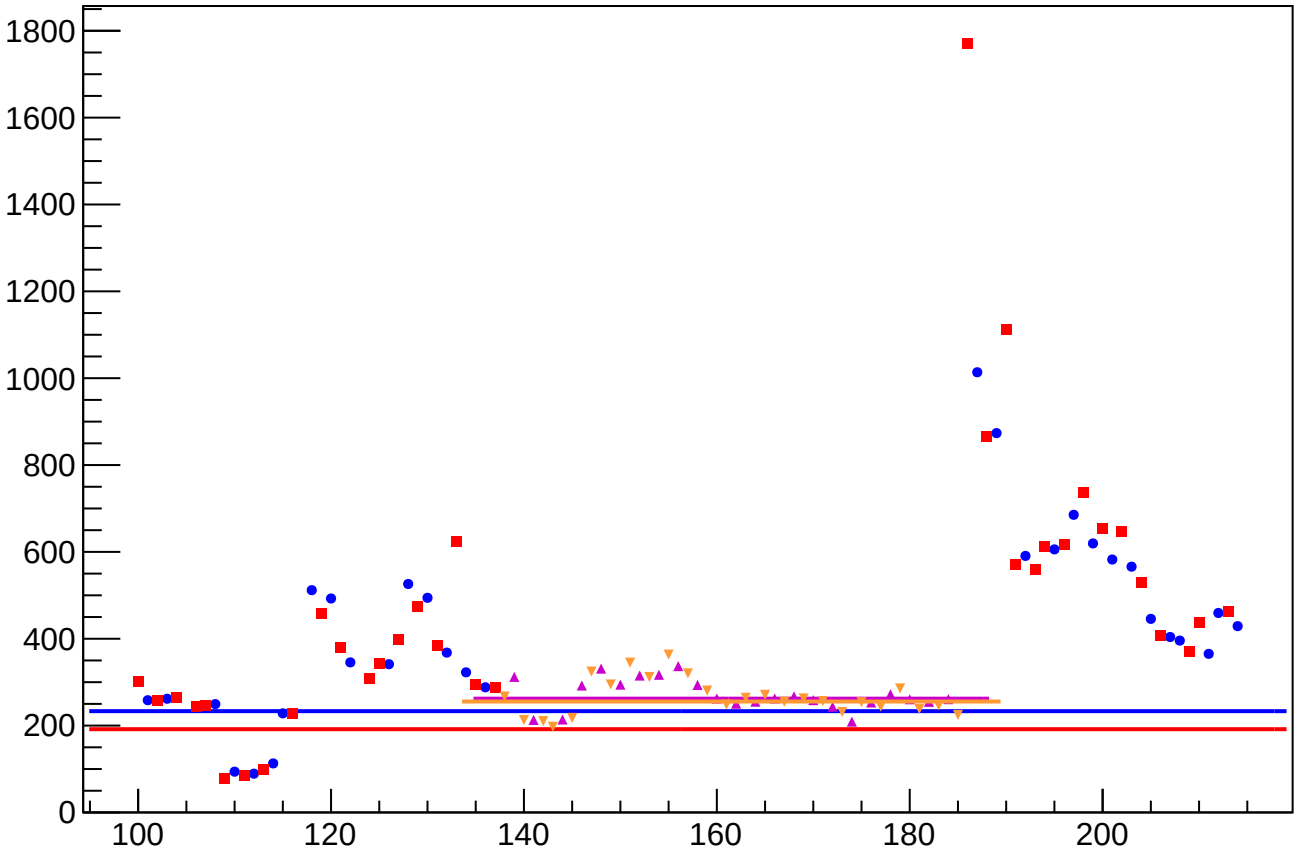
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -58.588+/-44.744 χ^2/NDF: 81.3/63

In: -73.289+/-45.732 χ^2/NDF:74.9/52

Out: -100.628+/-41.850 χ^2/NDF:104.9/58

All: -88.168+/-30.874 χ^2/NDF: 180.0/111



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

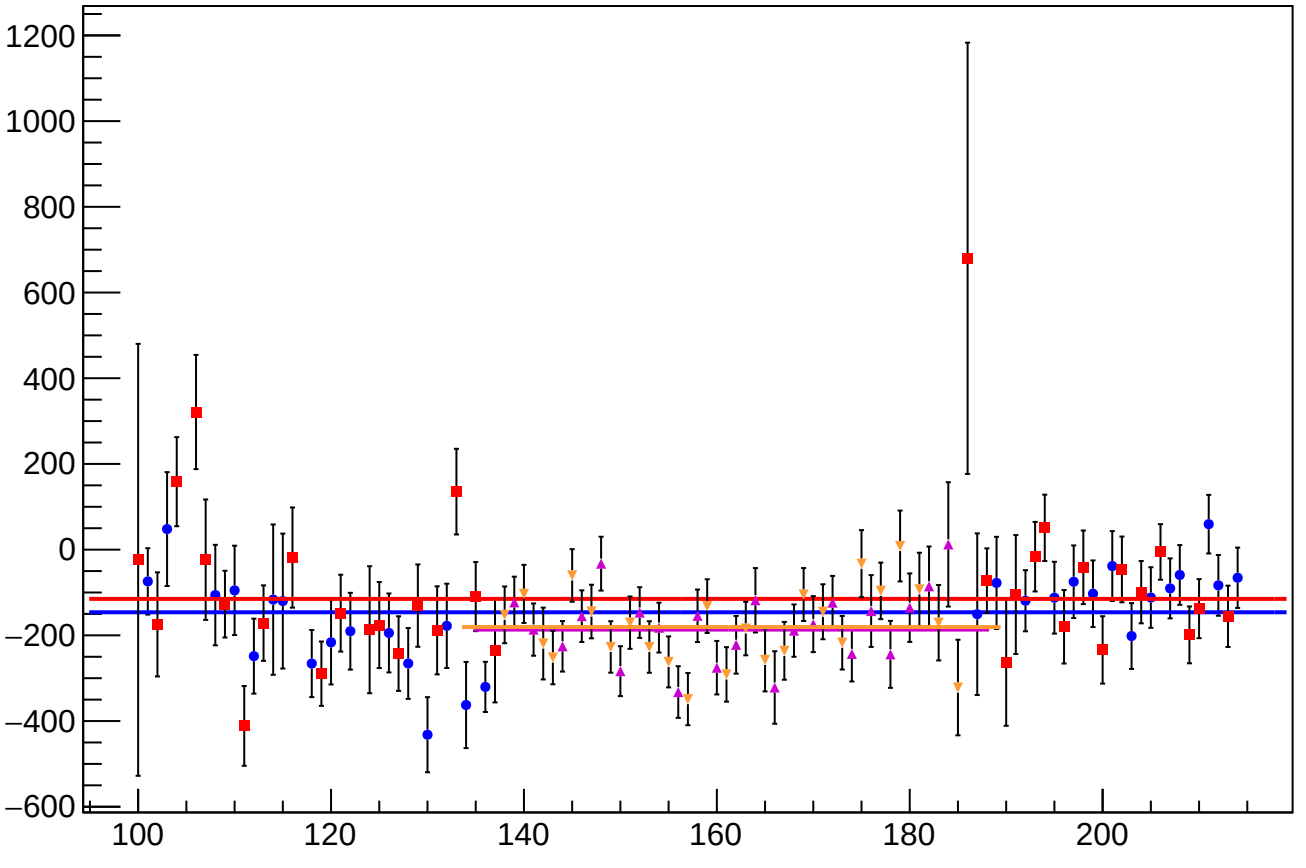
Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

Right: 209.779+/-0.032 χ^2/NDF: 29809877.7/63

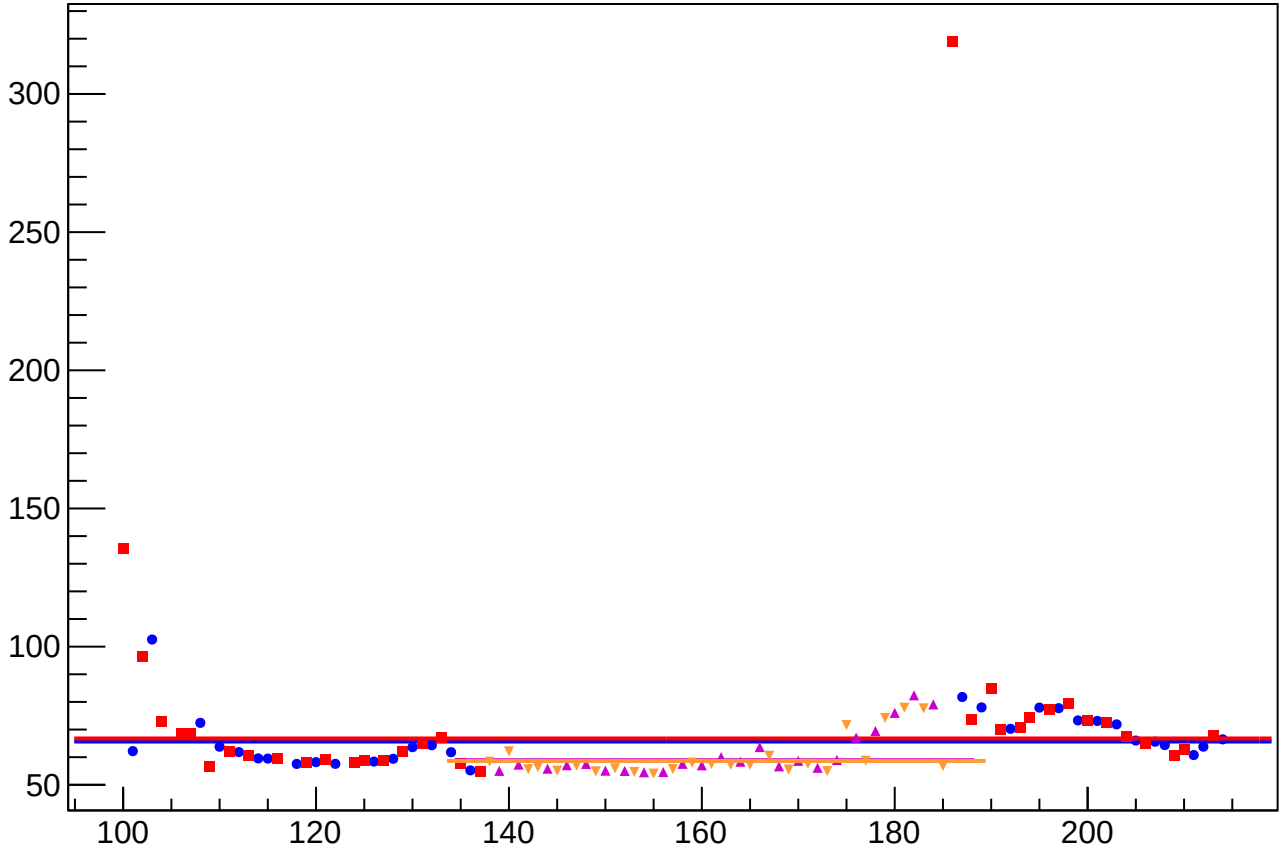
In: 248.953+/-0.032 χ^2/NDF:13550411.7/52

Out: 223.945+/-0.030 χ^2/NDF:18726298.6/58

All: 235.343+/-0.022 χ^2/NDF: 32602203.5/1


eigen_cor_asym_sam8_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
100
120
140
160
180
200
Right In: -146.169+/-15.478 χ²/NDF: 52.0/29
Left Out: -180.680+/-13.419 χ²/NDF:38.6/24
Right Out: -114.922+/-15.582 χ²/NDF: 64.9/33
Left In: -186.567+/-13.860 χ²/NDF:29.0/22
Left: -183.529+/-9.641 χ²/NDF: 67.7/47
Right: -130.650+/-10.981 χ²/NDF: 119.0/63
In: -168.589+/-10.325 χ²/NDF:84.8/52
Out: -152.679+/-10.168 χ²/NDF:113.7/58
All: -160.512+/-7.245 χ²/NDF: 199.8/111

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



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

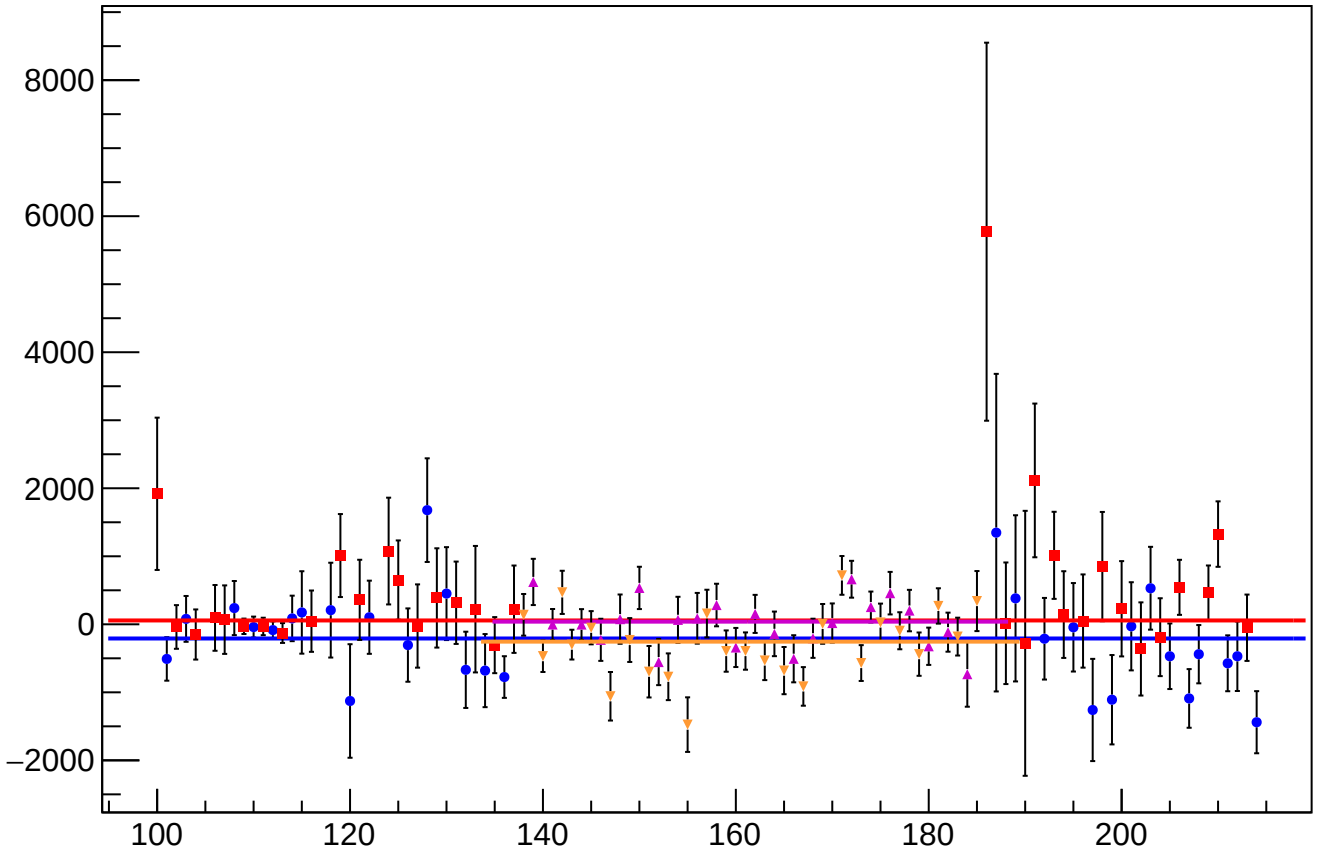
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.214+/-0.008 χ^2/NDF: 1562017.2/63

In: 61.914+/-0.007 χ^2/NDF:1108956.1/52

Out: 62.104+/-0.007 χ^2/NDF:1752760.5/58

All: 62.011+/-0.005 χ^2/NDF: 2862059.5/111



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

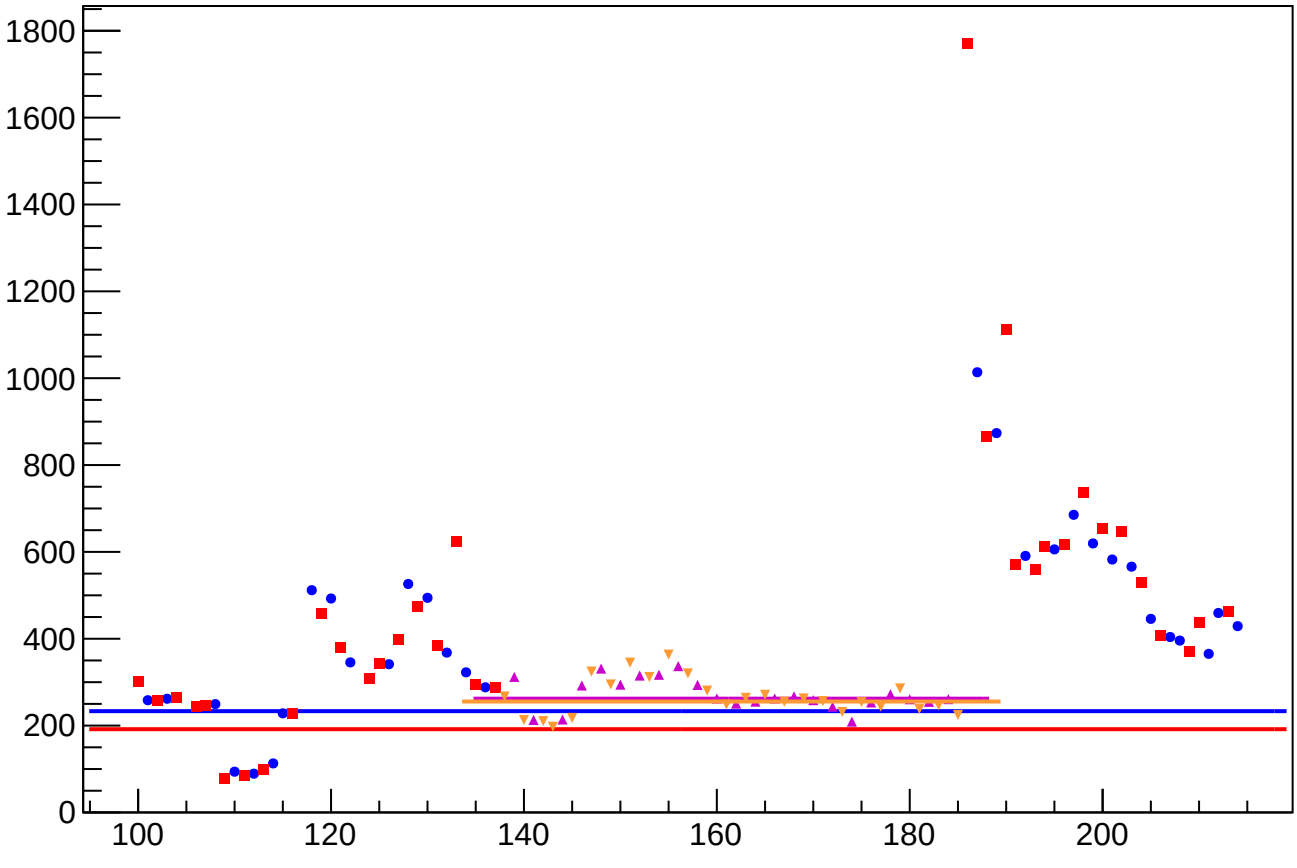
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -58.588+/-44.744 χ^2/NDF: 81.3/63

In: -73.289+/-45.732 χ^2/NDF:74.9/52

Out: -100.628+/-41.850 χ^2/NDF:104.9/58

All: -88.168+/-30.874 χ^2/NDF: 180.0/111



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

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

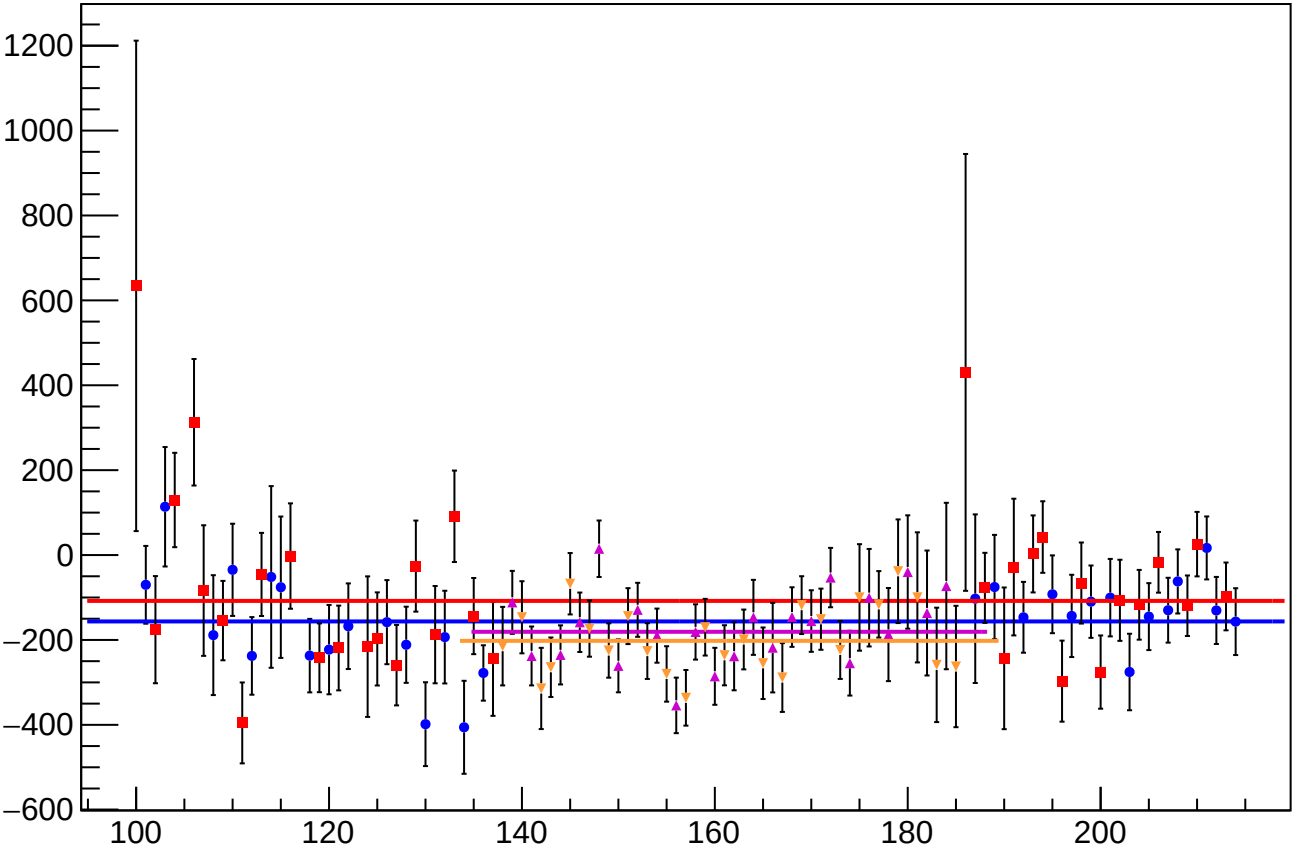
Right: 209.779+/-0.032 χ^2/NDF: 29809877.7/63

In: 248.953+/-0.032 χ^2/NDF:13550411.7/52

Out: 223.945+/-0.030 χ^2/NDF:18726298.6/58

All: 235.343+/-0.022 χ^2/NDF: 32602203.5/1

dit_asym_sam8_mean vs Slug, Sign Corrected



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

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

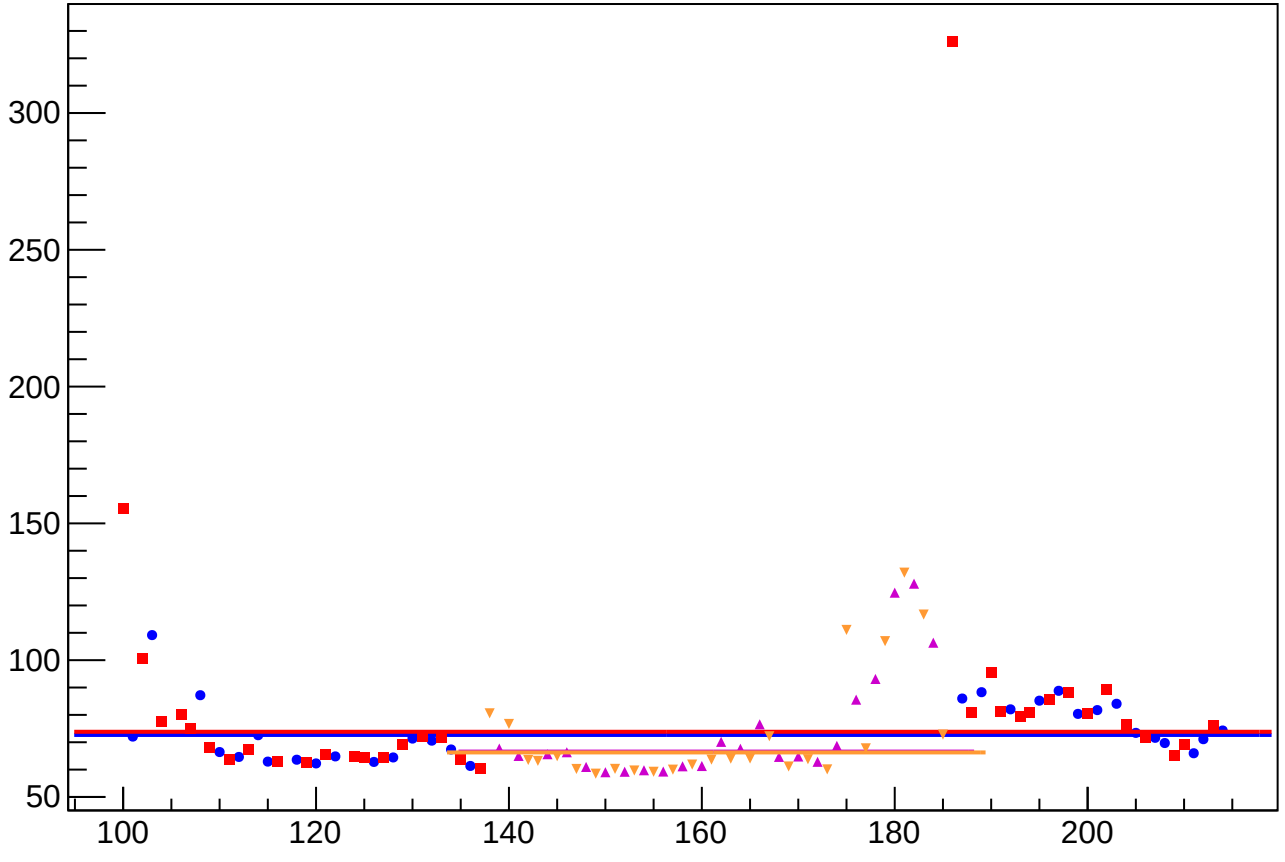
Right: -132.285+/-12.173 χ^2/NDF: 96.0/63

In: -169.431+/-11.716 χ^2/NDF:65.5/52

Out: -159.946+/-11.545 χ^2/NDF:95.7/58

All: -164.618+/-8.223 χ^2/NDF: 161.5/111

dit_asym_sam8_rms vs Slug, Sign Corrected



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

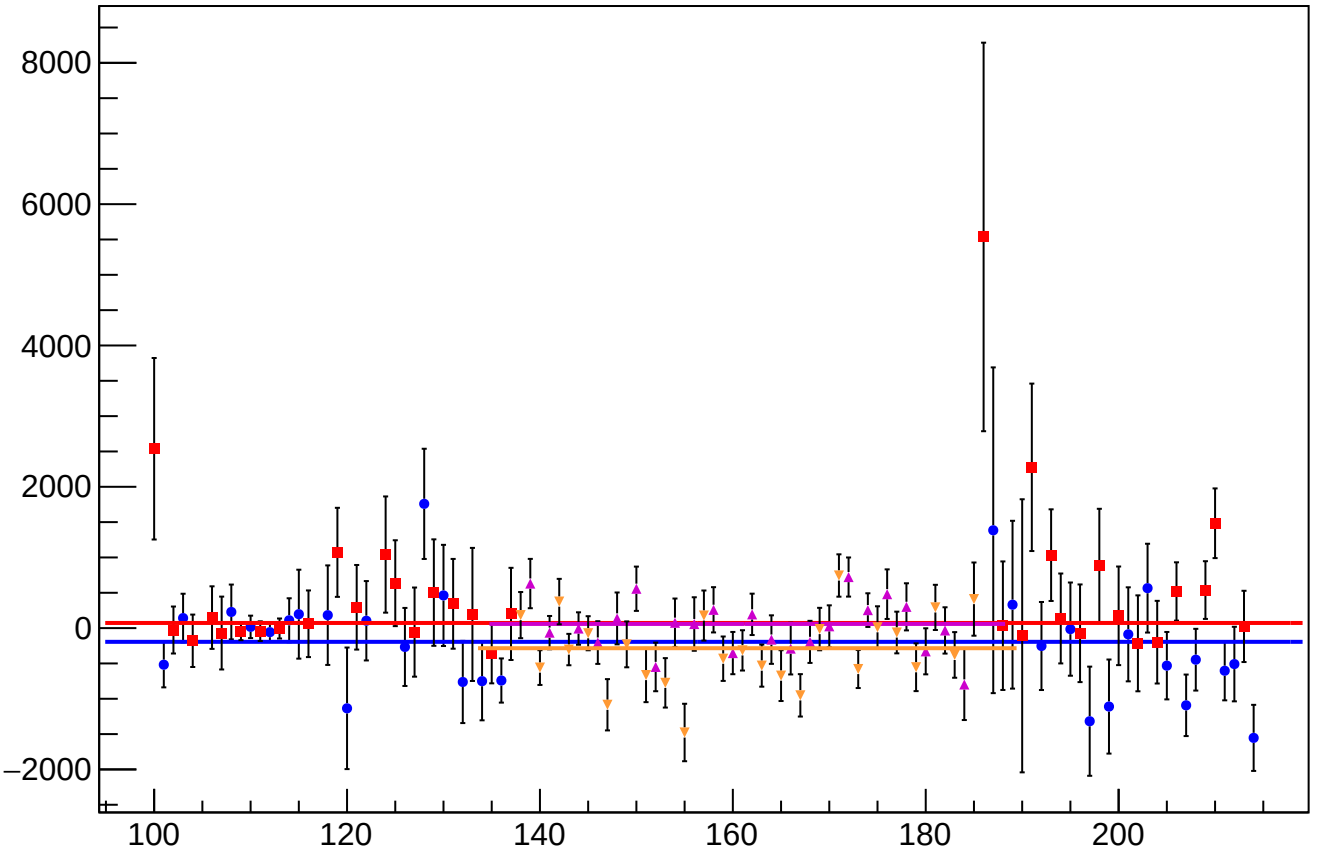
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.246+/-0.009 χ^2/NDF: 1663217.7/63

In: 69.414+/-0.008 χ^2/NDF:1882351.3/52

Out: 69.661+/-0.008 χ^2/NDF:2674004.1/58

All: 69.539+/-0.006 χ^2/NDF: 4556807.0/111



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

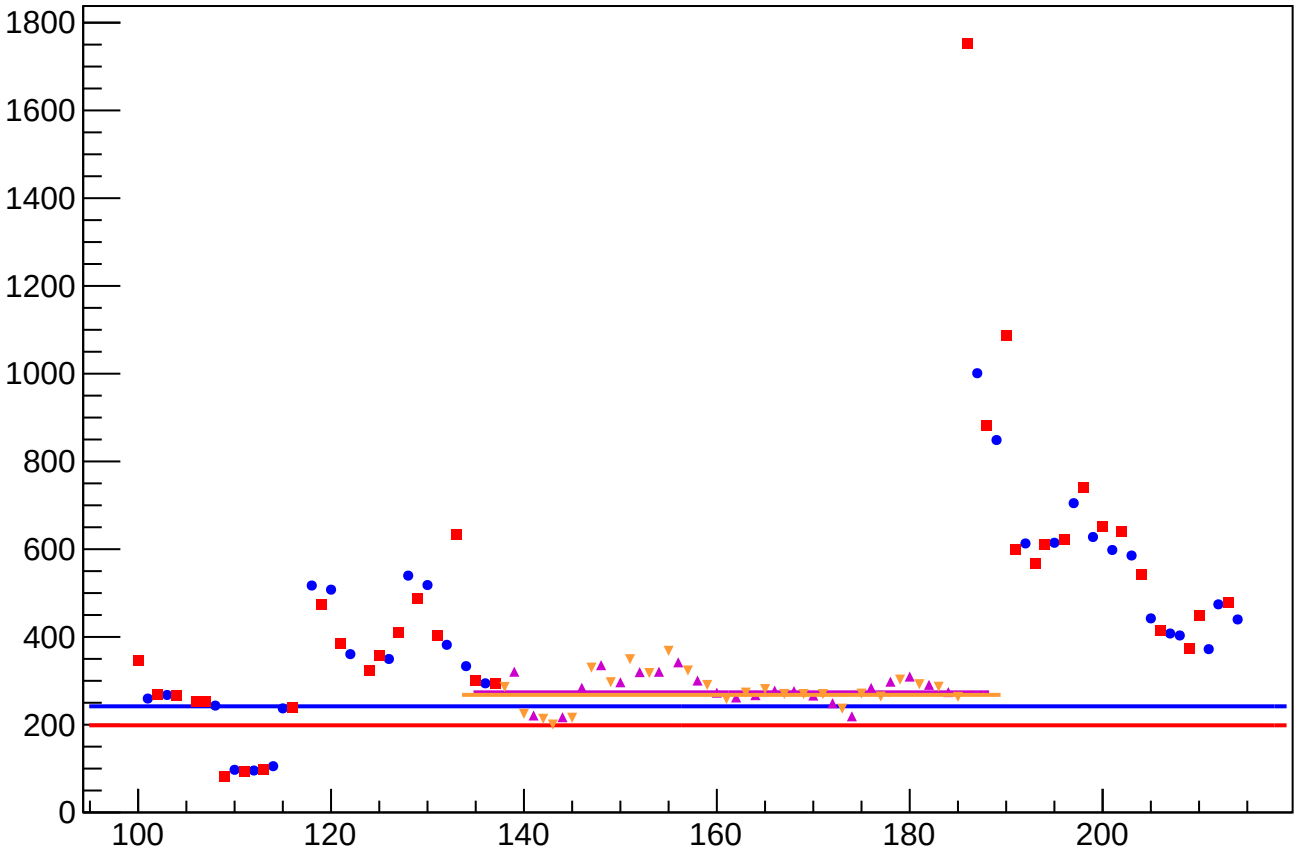
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -42.801+/-45.985 χ^2/NDF: 85.4/63

In: -57.671+/-47.448 χ^2/NDF:76.3/52

Out: -103.894+/-43.417 χ^2/NDF:106.4/58

All: -82.829+/-32.031 χ^2/NDF: 183.2/111



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

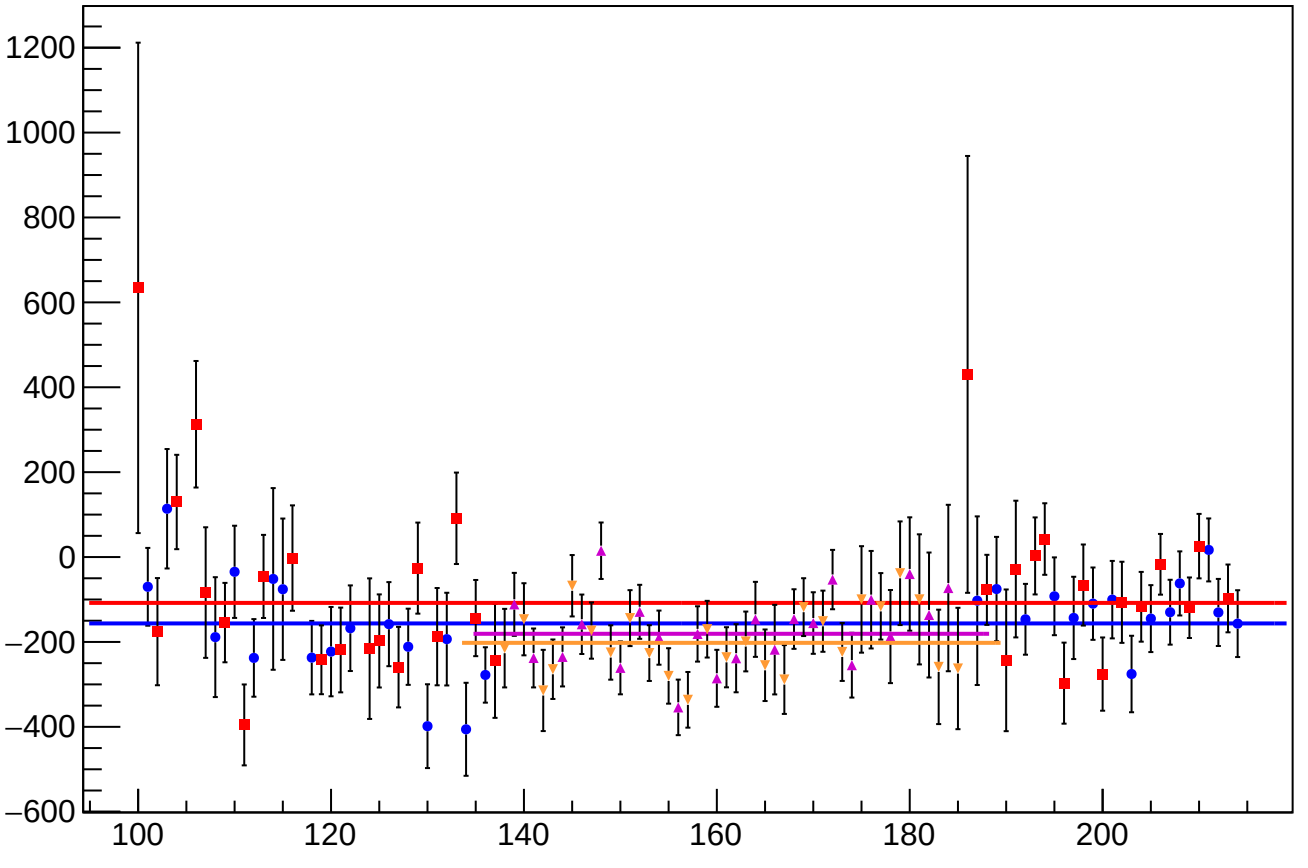
Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

Right: 217.360+/-0.033 χ^2/NDF: 29285283.2/63

In: 259.068+/-0.034 χ^2/NDF:13252086.9/52

Out: 232.926+/-0.031 χ^2/NDF:18611355.4/58

All: 244.839+/-0.023 χ^2/NDF: 32193897.2/11



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

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

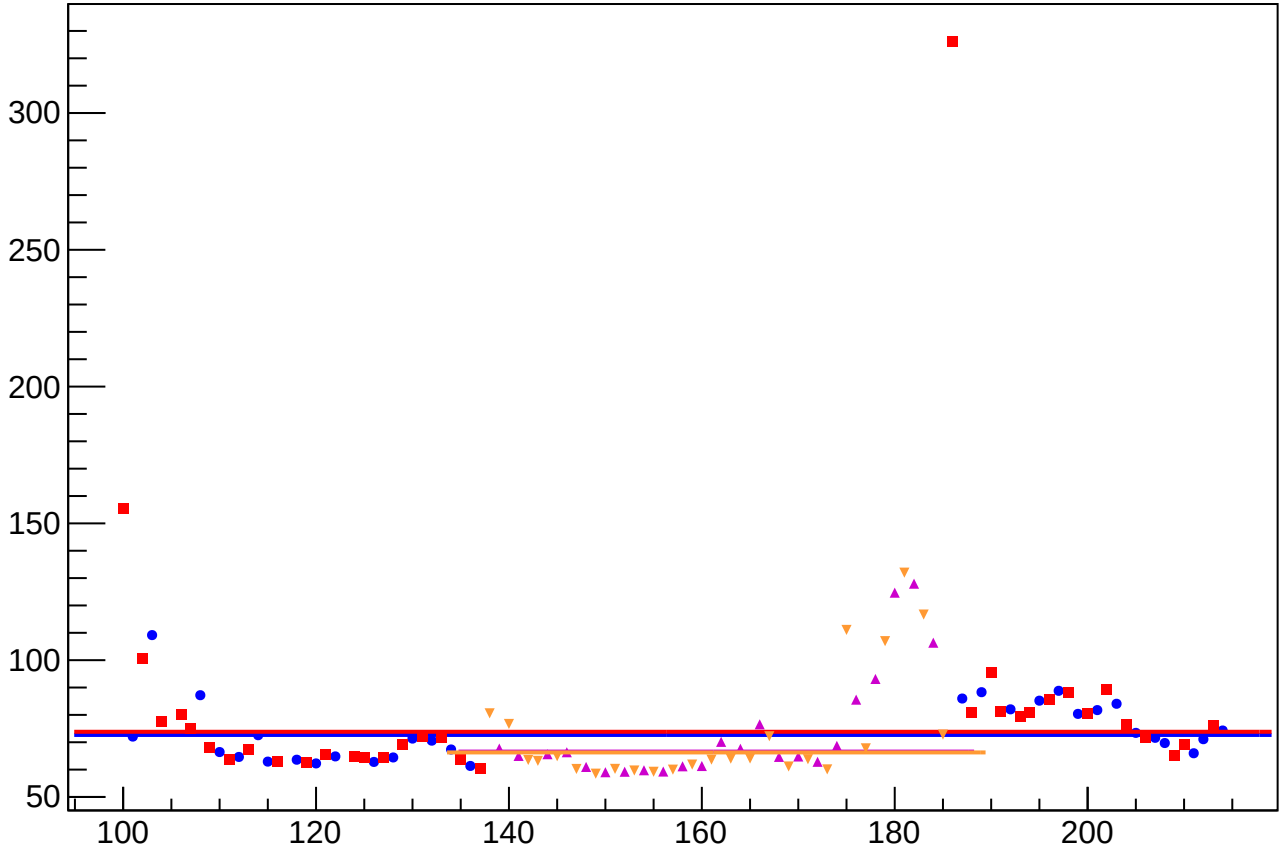
Right: -132.285+/-12.173 χ^2/NDF: 96.0/63

In: -169.431+/-11.716 χ^2/NDF:65.5/52

Out: -159.946+/-11.545 χ^2/NDF:95.7/58

All: -164.619+/-8.223 χ^2/NDF: 161.5/111

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



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

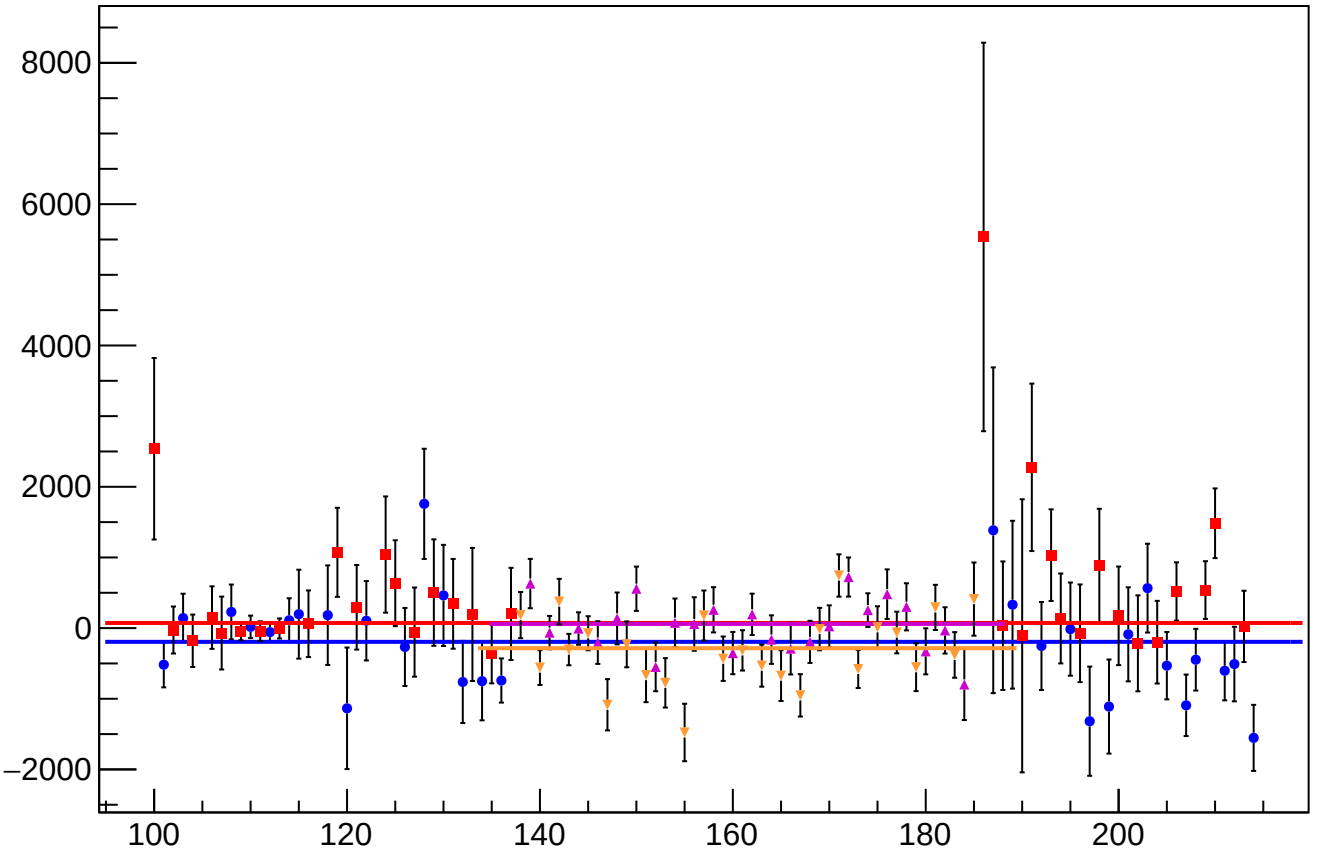
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 73.245+/-0.009 χ^2/NDF: 1663225.1/63

In: 69.414+/-0.008 χ^2/NDF:1882340.6/52

Out: 69.661+/-0.008 χ^2/NDF:2673999.6/58

All: 69.539+/-0.006 χ^2/NDF: 4556791.6/111



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

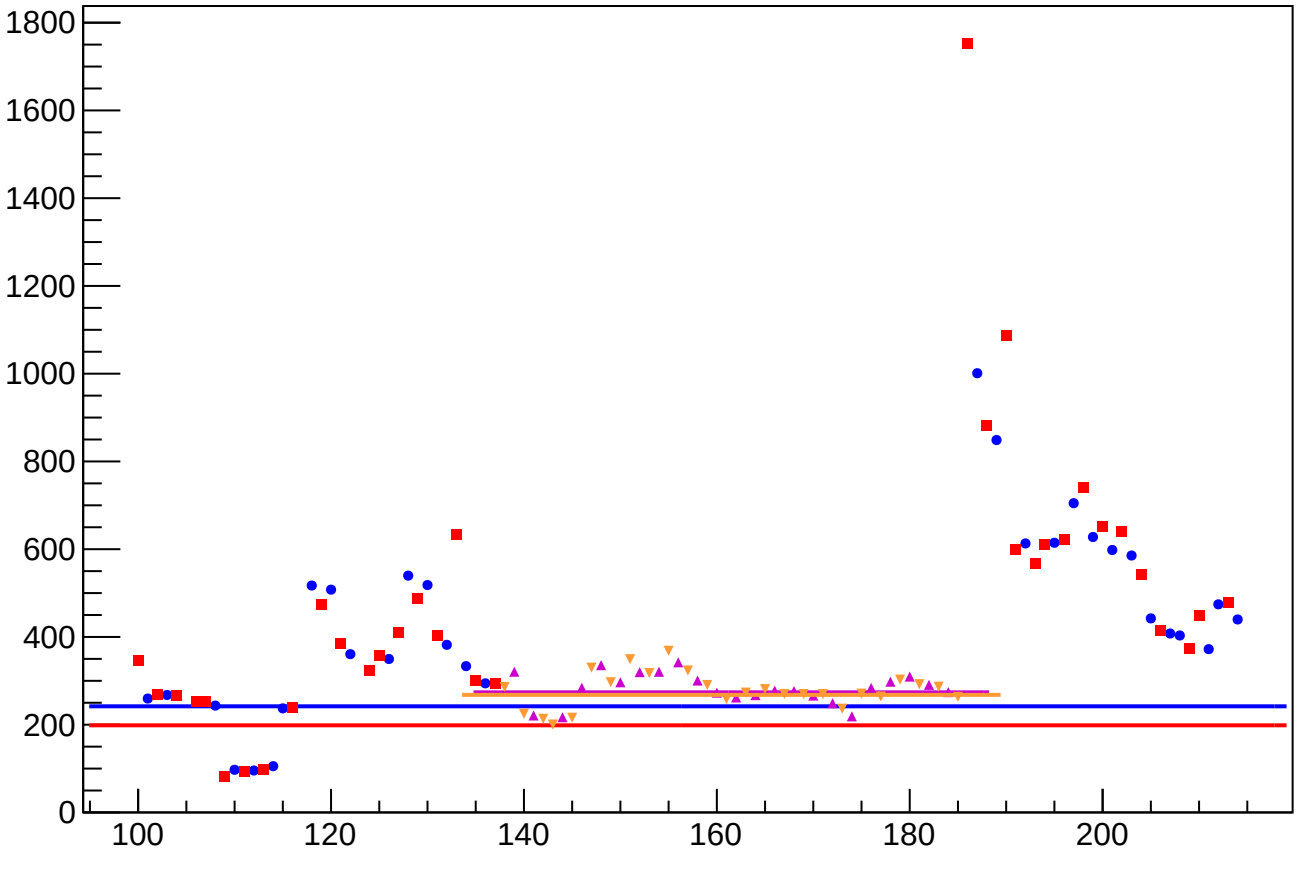
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -42.801+/-45.985 χ^2/NDF: 85.4/63

In: -57.670+/-47.448 χ^2/NDF:76.3/52

Out: -103.895+/-43.416 χ^2/NDF:106.4/58

All: -82.829+/-32.031 χ^2/NDF: 183.2/111



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

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

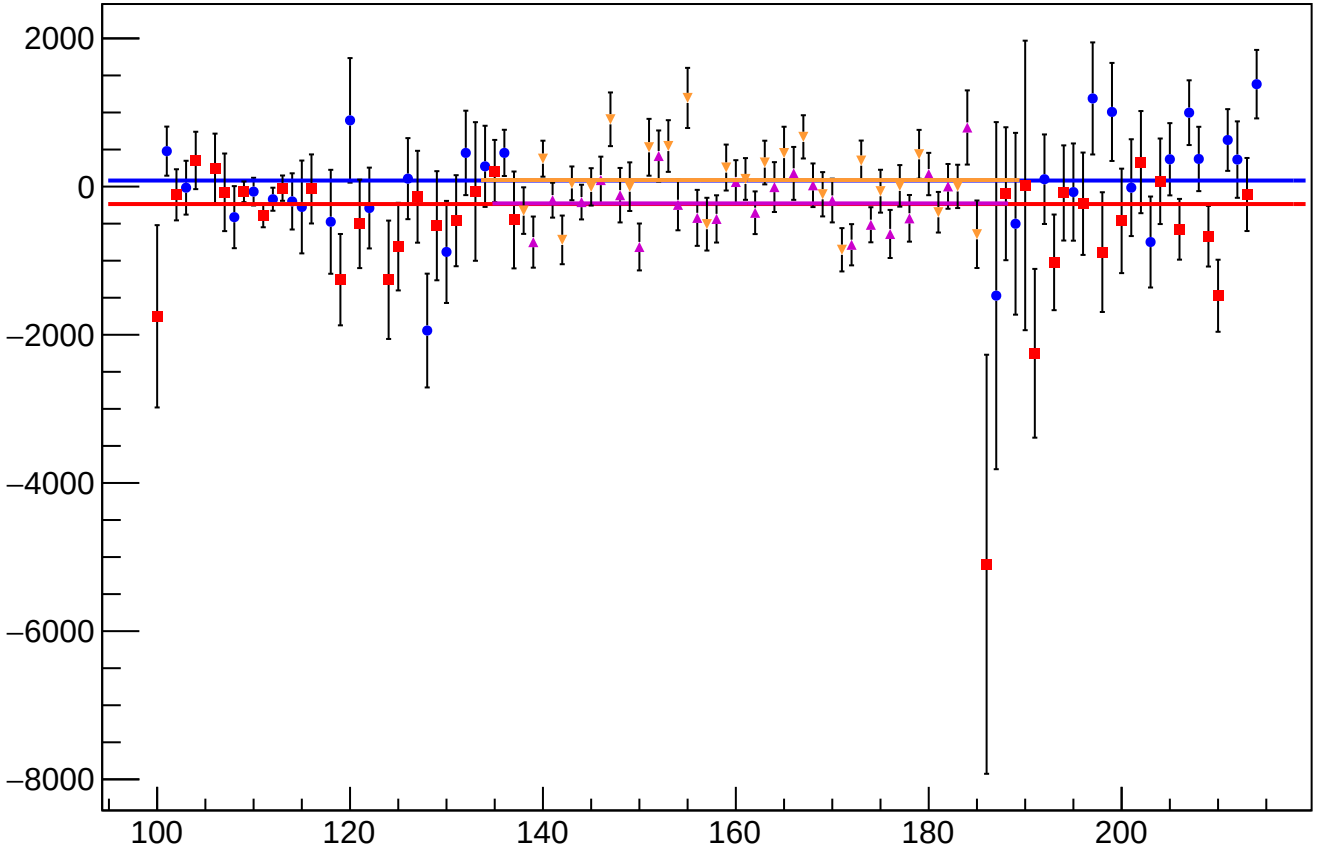
Right: 217.359+/-0.033 χ^2/NDF: 29285332.5/63

In: 259.067+/-0.034 χ^2/NDF:13252189.2/52

Out: 232.925+/-0.031 χ^2/NDF:18611343.0/58

All: 244.838+/-0.023 χ^2/NDF: 32193973.0/11

asym_sam8_mean vs Slug, Sign Corrected



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

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

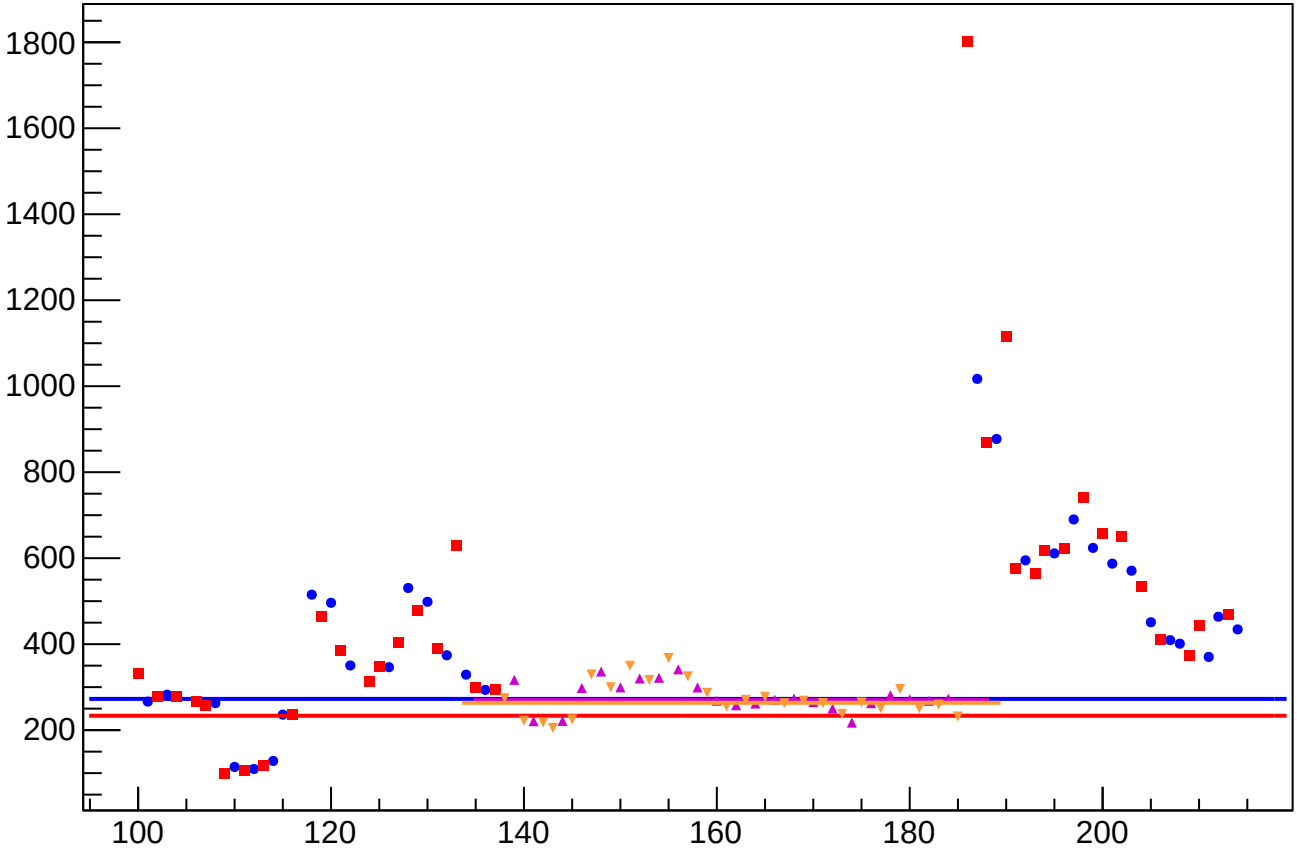
Right: -93.707+/-50.362 χ^2/NDF: 85.6/63

In: -98.223+/-48.624 χ^2/NDF:80.4/52

Out: -55.823+/-45.192 χ^2/NDF:98.9/58

All: -75.475+/-33.102 χ^2/NDF: 179.7/111

asym_sam8_rms vs Slug, Sign Corrected



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

Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

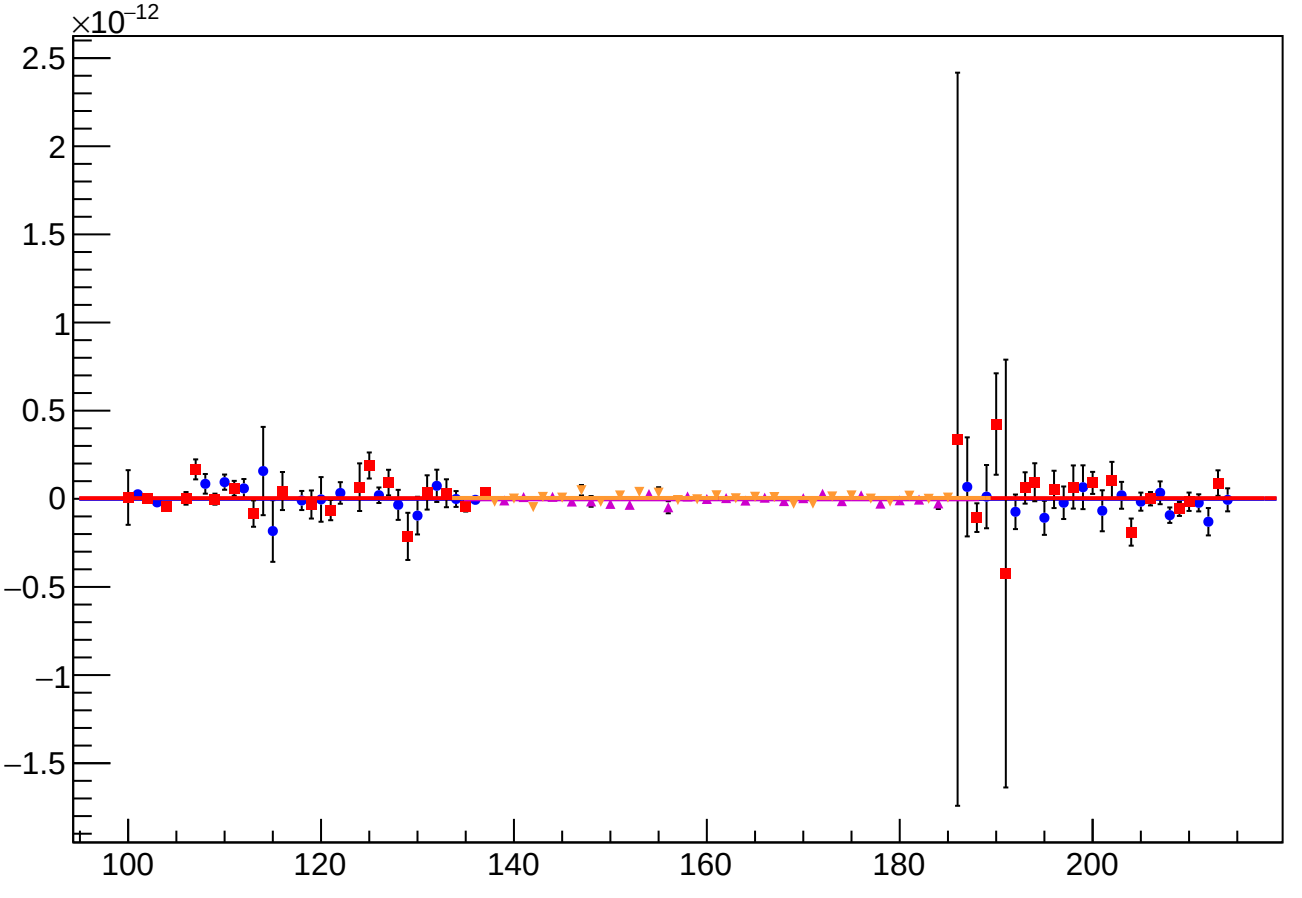
Right: 251.011+/-0.036 χ^2/NDF: 24281699.7/63

In: 271.050+/-0.034 χ^2/NDF:10689669.1/52

Out: 250.196+/-0.032 χ^2/NDF:14895758.3/58

All: 259.861+/-0.023 χ^2/NDF: 25782811.1/11

asym_sam8_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

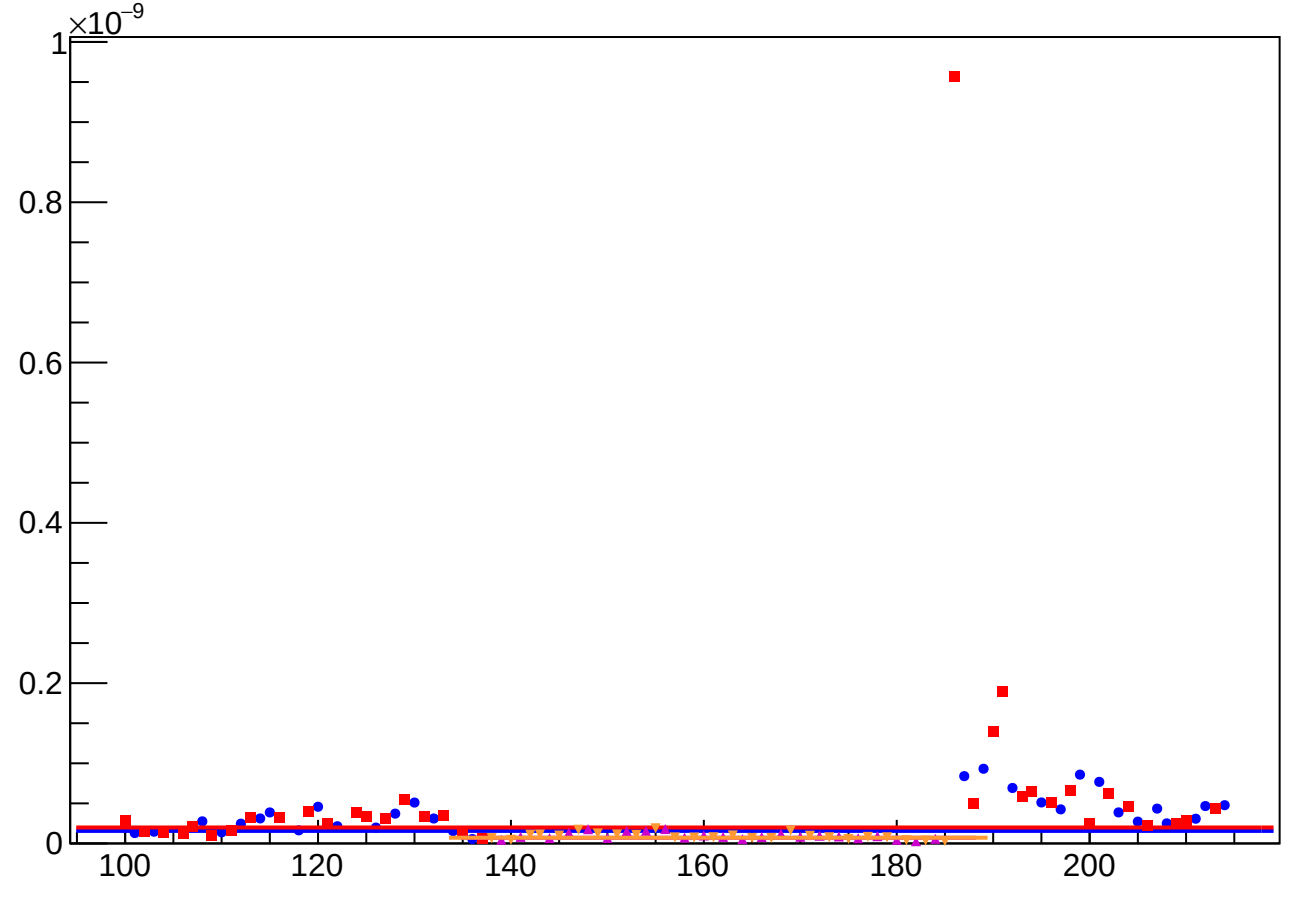
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 74.3/63

In: -0.000+/-0.000 χ^2/NDF:46.5/52

Out: 0.000+/-0.000 χ^2/NDF:77.3/58

All: 0.000+/-0.000 χ^2/NDF: 126.9/111



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

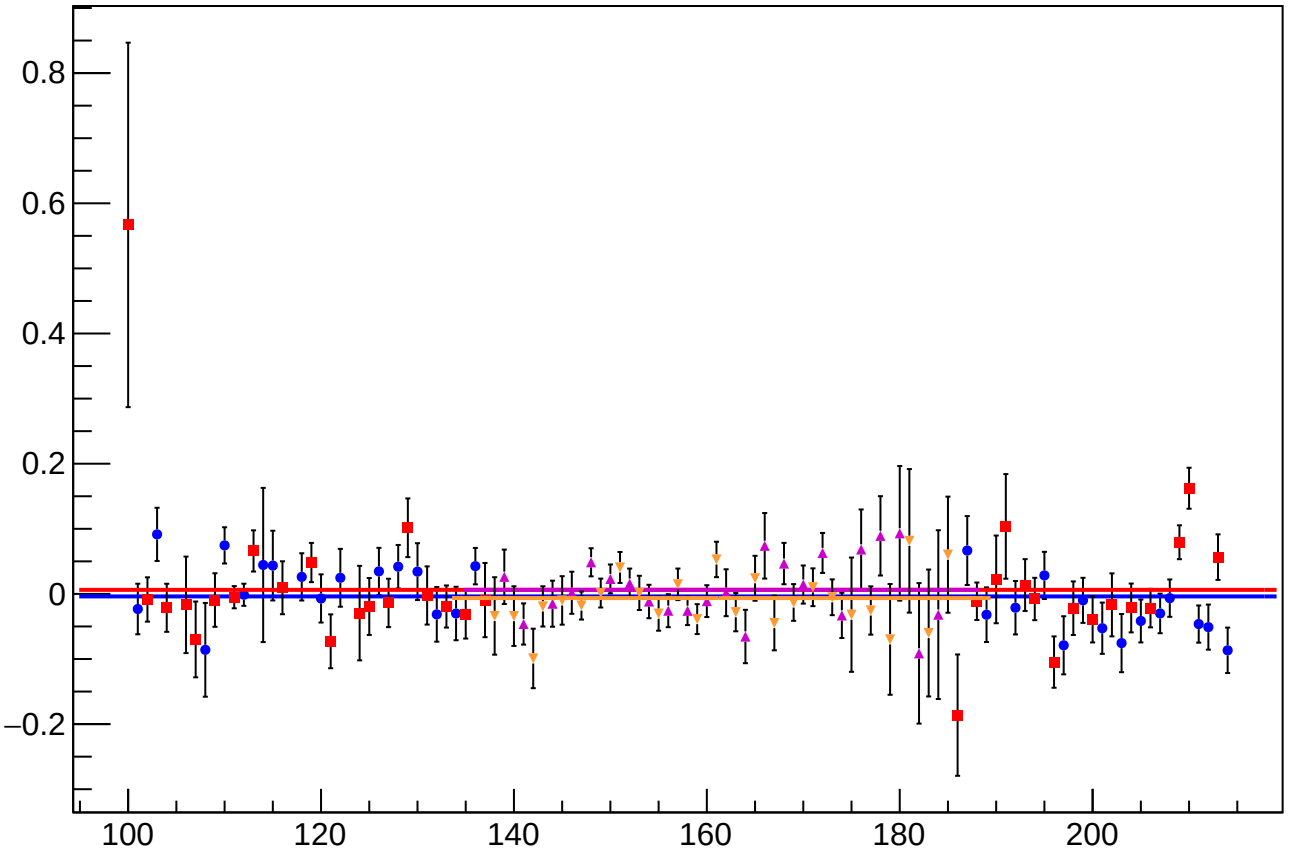
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 12006927.1/63

In: 0.000+/-0.000 χ^2/NDF:11032783.6/52

Out: 0.000+/-0.000 χ^2/NDF:10568979.0/58

All: 0.000+/-0.000 χ^2/NDF: 21603356.5/111



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

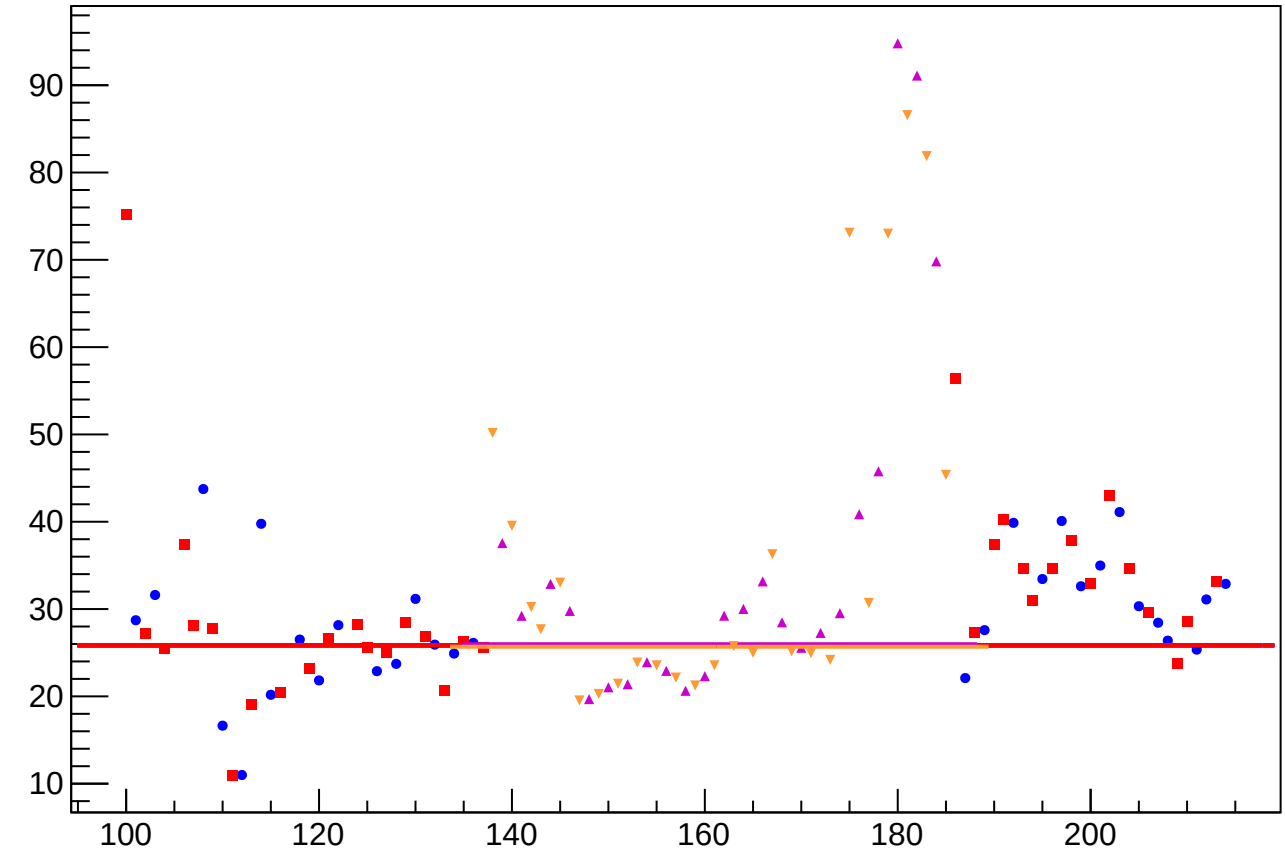
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.001+/-0.005 χ^2/NDF: 123.5/63

In: 0.001+/-0.005 χ^2/NDF:75.9/52

Out: -0.000+/-0.005 χ^2/NDF:100.5/58

All: 0.000+/-0.003 χ^2/NDF: 176.5/111



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

Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

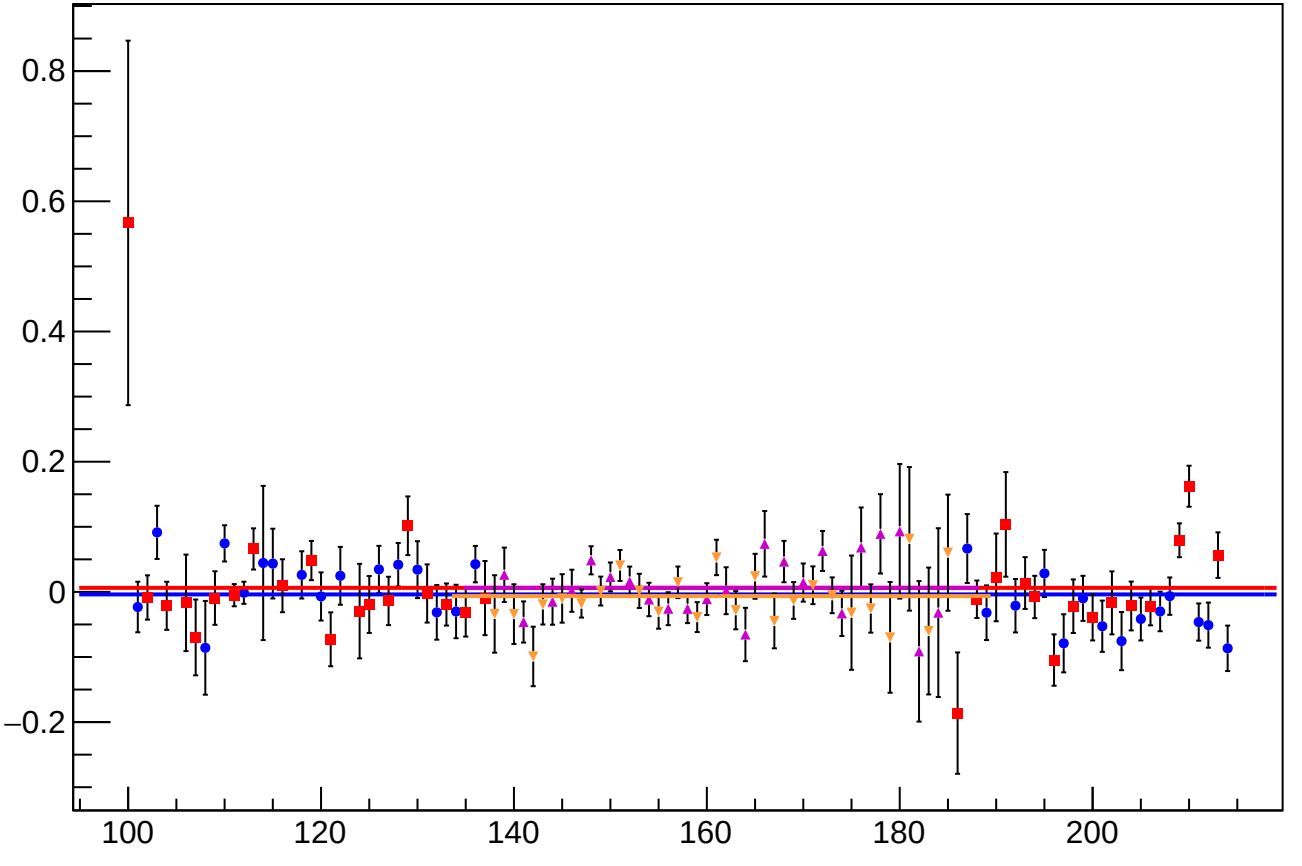
Right: 25.842+/-0.003 χ^2/NDF: 6402270.3/63

In: 25.883+/-0.003 χ^2/NDF:6309326.1/52

Out: 25.785+/-0.003 χ^2/NDF:7084316.9/58

All: 25.833+/-0.002 χ^2/NDF: 13394102.0/111

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

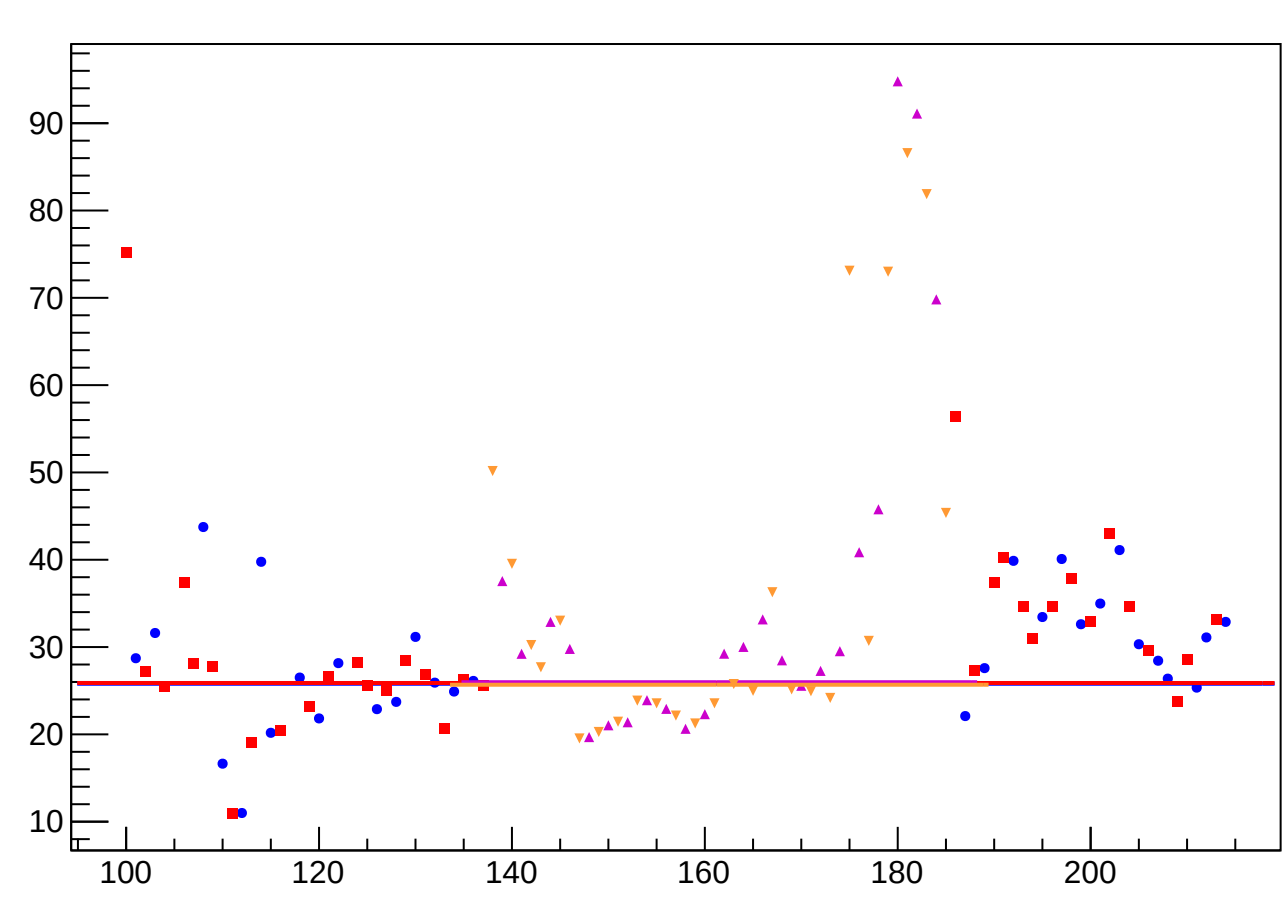
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.001+/-0.005 χ^2/NDF: 123.5/63

In: 0.001+/-0.005 χ^2/NDF:75.9/52

Out: -0.000+/-0.005 χ^2/NDF:100.5/58

All: 0.000+/-0.003 χ^2/NDF: 176.5/111



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

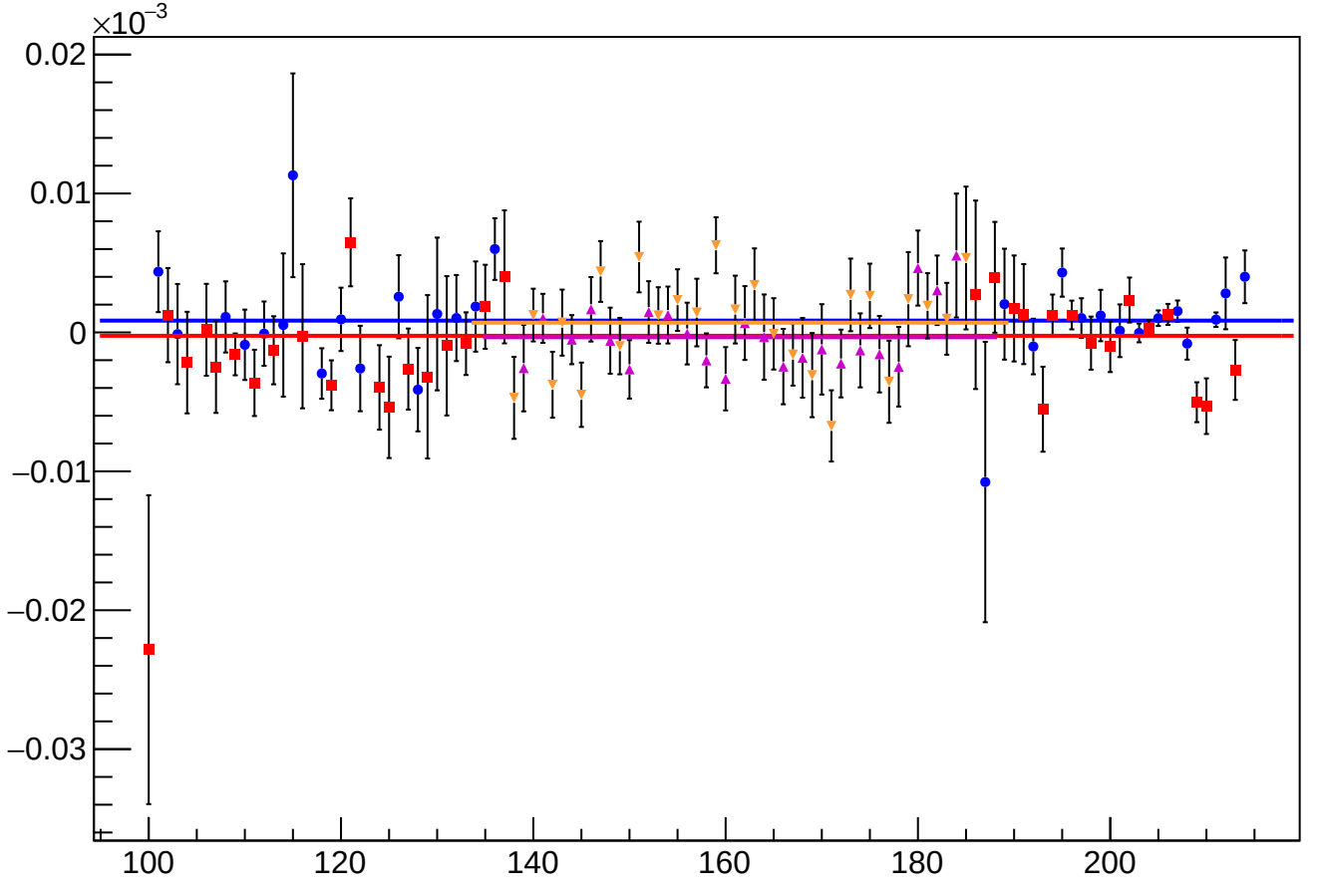
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.842+/-0.003 χ^2/NDF: 6402270.3/63

In: 25.883+/-0.003 χ^2/NDF:6309326.1/52

Out: 25.785+/-0.003 χ^2/NDF:7084316.9/58

All: 25.833+/-0.002 χ^2/NDF: 13394102.0/111



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

Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

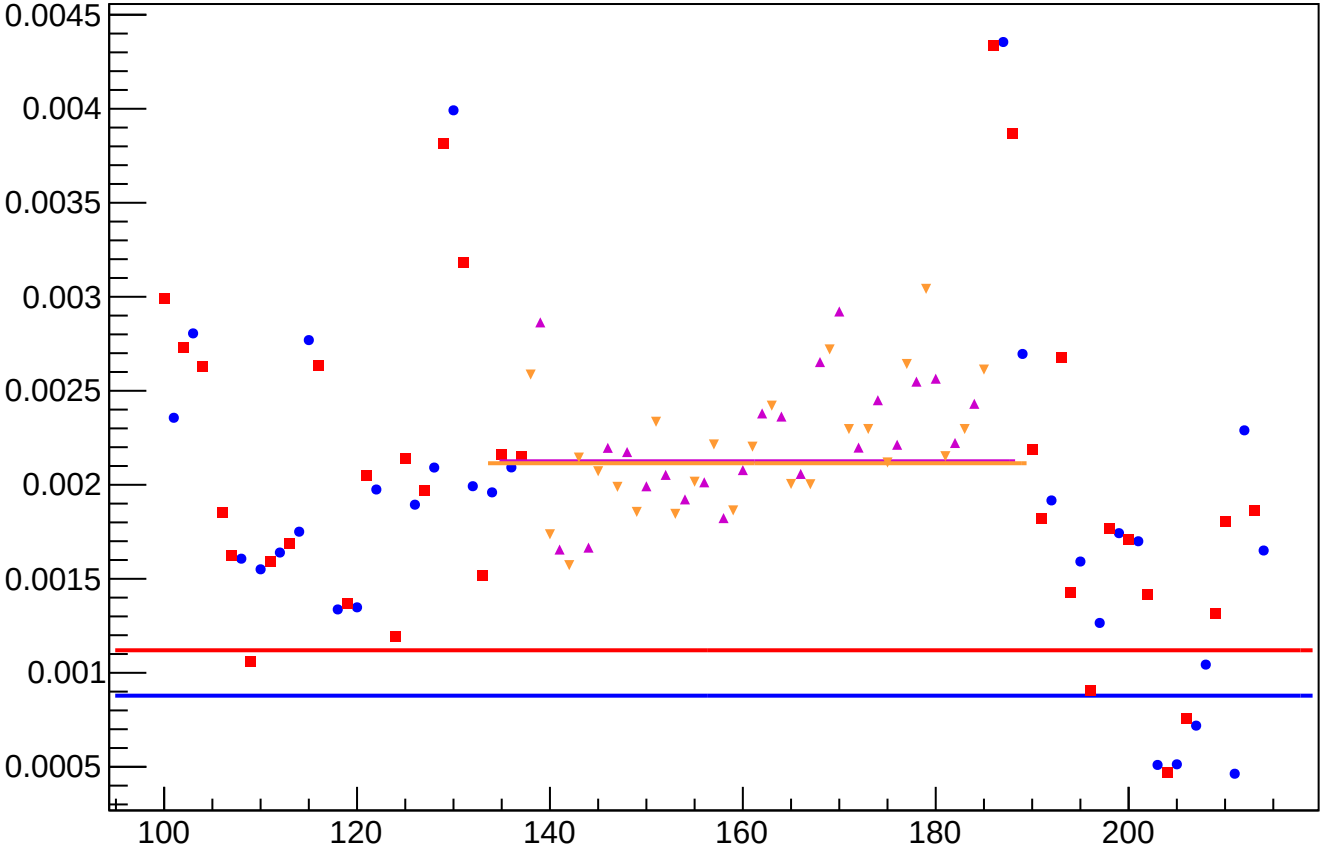
Right: 0.000+/-0.000 χ^2/NDF: 97.4/63

In: 0.000+/-0.000 χ^2/NDF:53.8/52

Out: 0.000+/-0.000 χ^2/NDF:103.8/58

All: 0.000+/-0.000 χ^2/NDF: 160.6/111

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 1581867.2/47

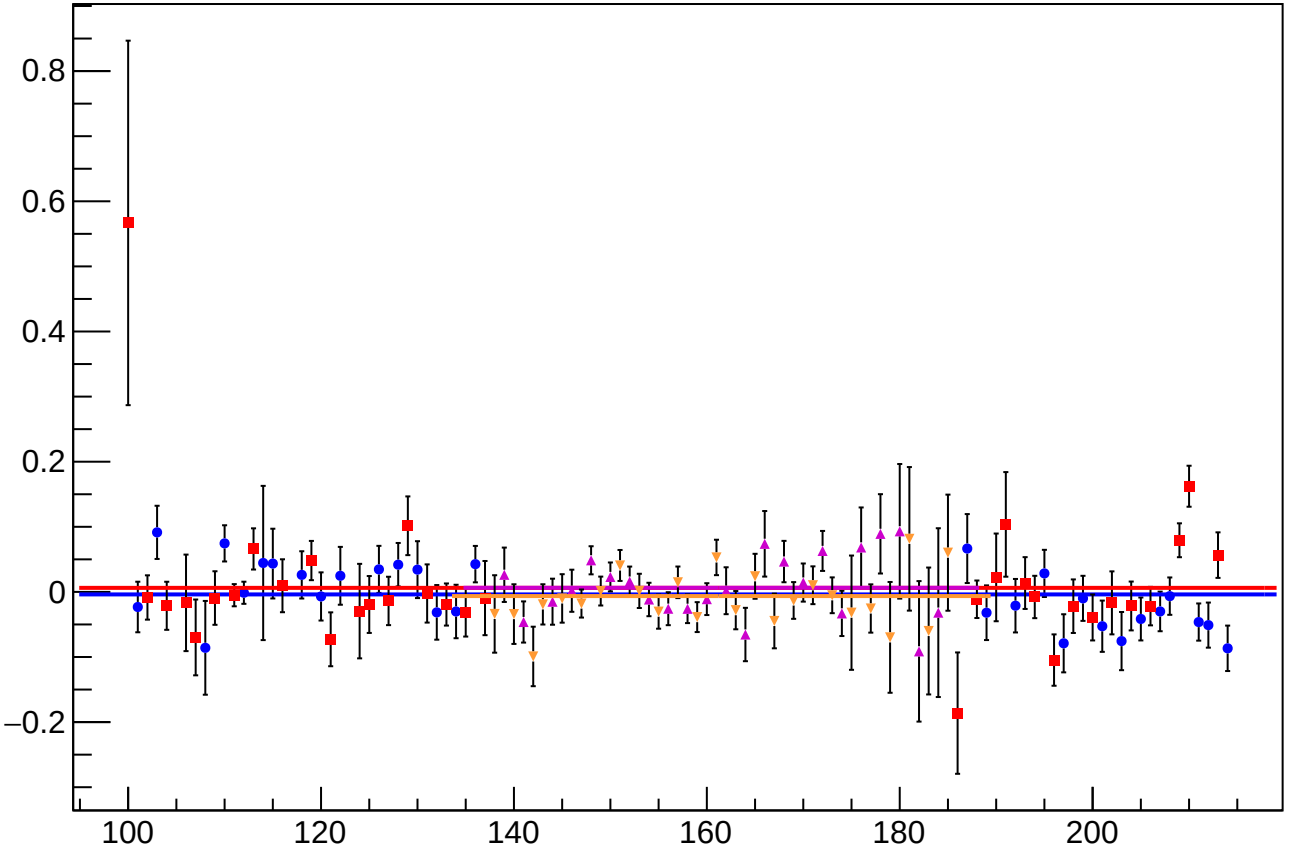
Right: 0.001+/-0.000 χ^2/NDF: 21068099.3/63

In: 0.001+/-0.000 χ^2/NDF:21429800.9/52

Out: 0.001+/-0.000 χ^2/NDF:16286708.5/58

All: 0.001+/-0.000 χ^2/NDF: 38954918.0/111

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

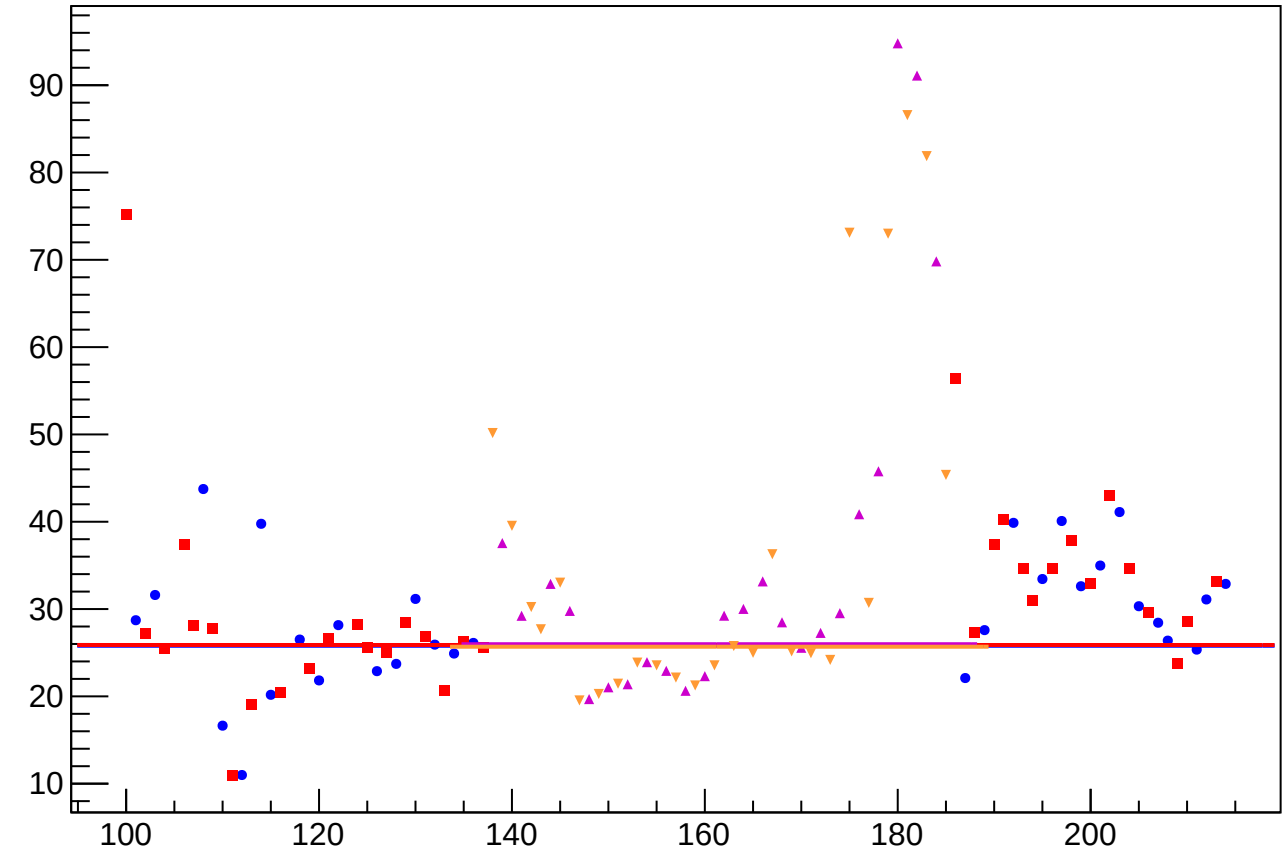
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.001+/-0.005 χ^2/NDF: 123.5/63

In: 0.001+/-0.005 χ^2/NDF:75.9/52

Out: -0.000+/-0.005 χ^2/NDF:100.5/58

All: 0.000+/-0.003 χ^2/NDF: 176.5/111



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

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

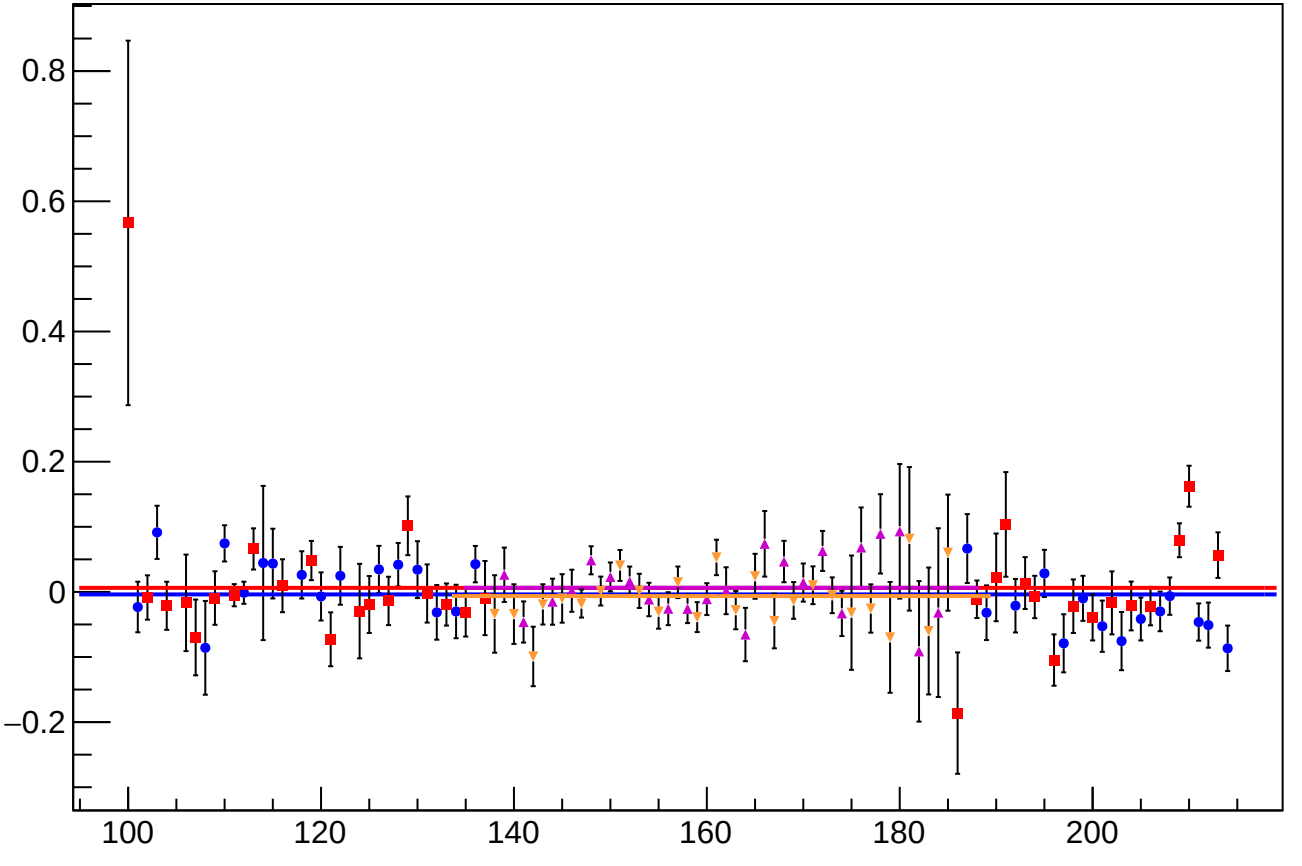
Right: 25.841+/-0.003 χ^2/NDF: 6402821.3/63

In: 25.883+/-0.003 χ^2/NDF:6309585.5/52

Out: 25.785+/-0.003 χ^2/NDF:7084590.2/58

All: 25.832+/-0.002 χ^2/NDF: 13394635.3/111

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

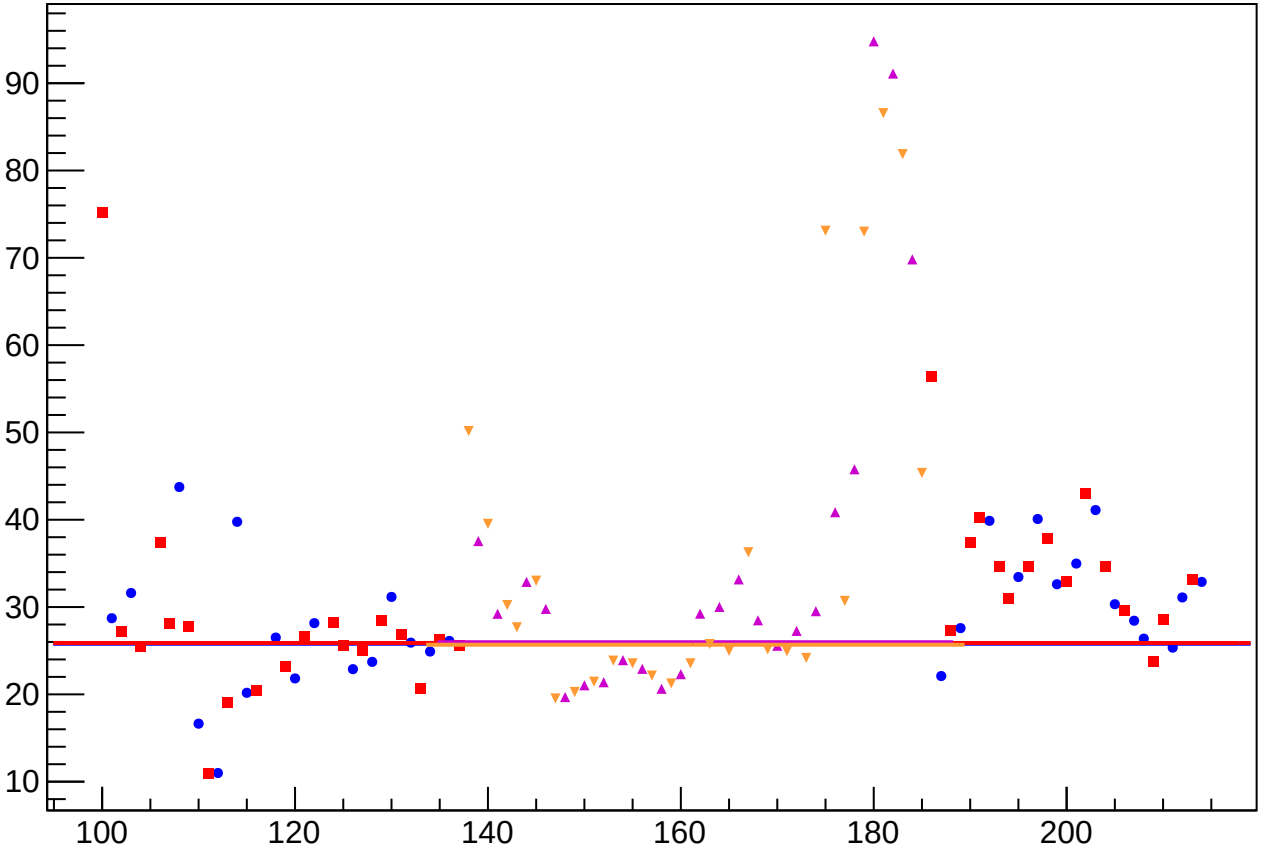
Right: 0.001+/-0.005 χ^2/NDF: 123.5/63

In: 0.001+/-0.005 χ^2/NDF:75.9/52

Out: -0.000+/-0.005 χ^2/NDF:100.5/58

All: 0.000+/-0.003 χ^2/NDF: 176.5/111

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

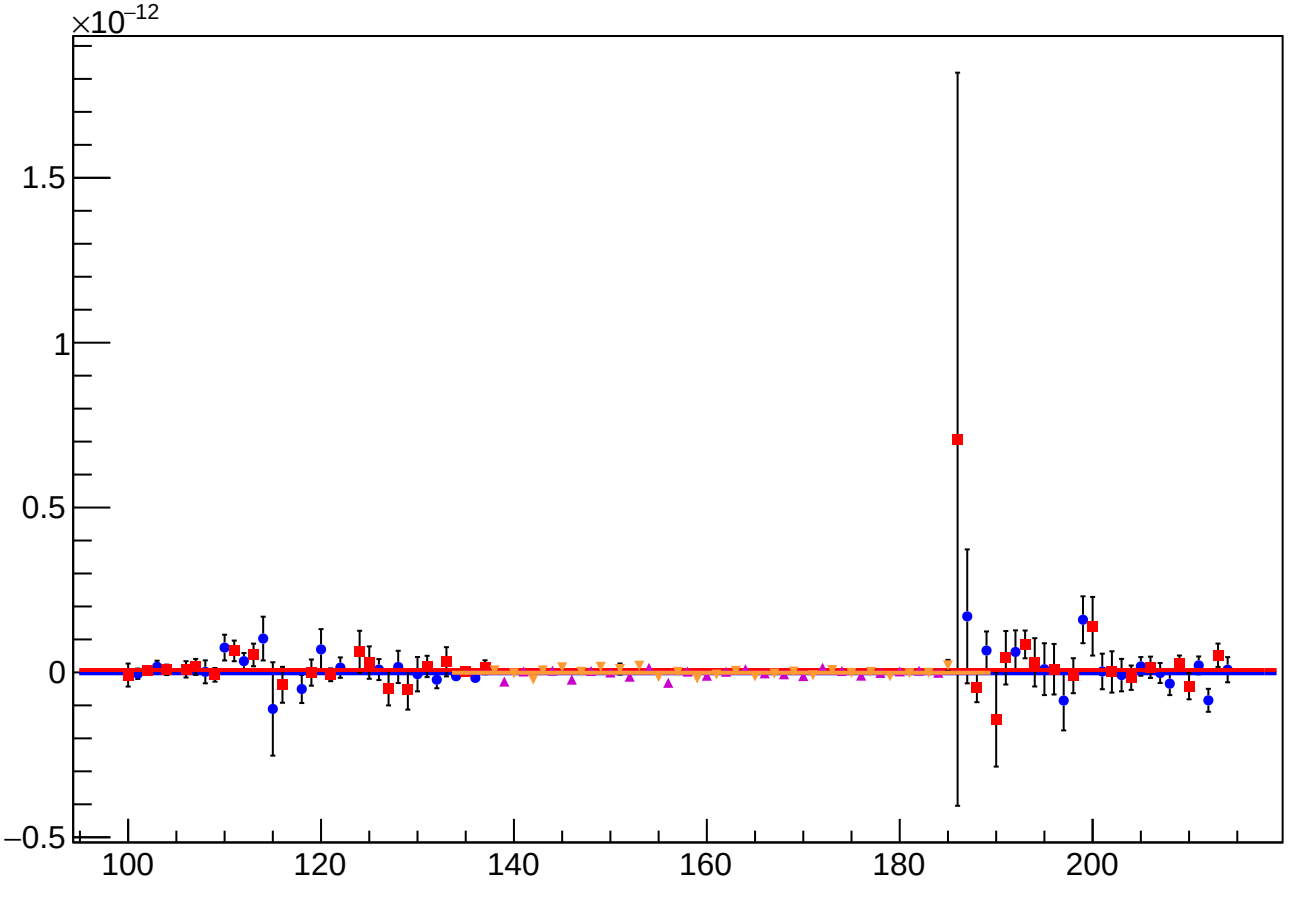
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 25.841+/-0.003 χ^2/NDF: 6402821.3/63

In: 25.883+/-0.003 χ^2/NDF:6309585.5/52

Out: 25.785+/-0.003 χ^2/NDF:7084590.2/58

All: 25.832+/-0.002 χ^2/NDF: 13394635.3/111



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

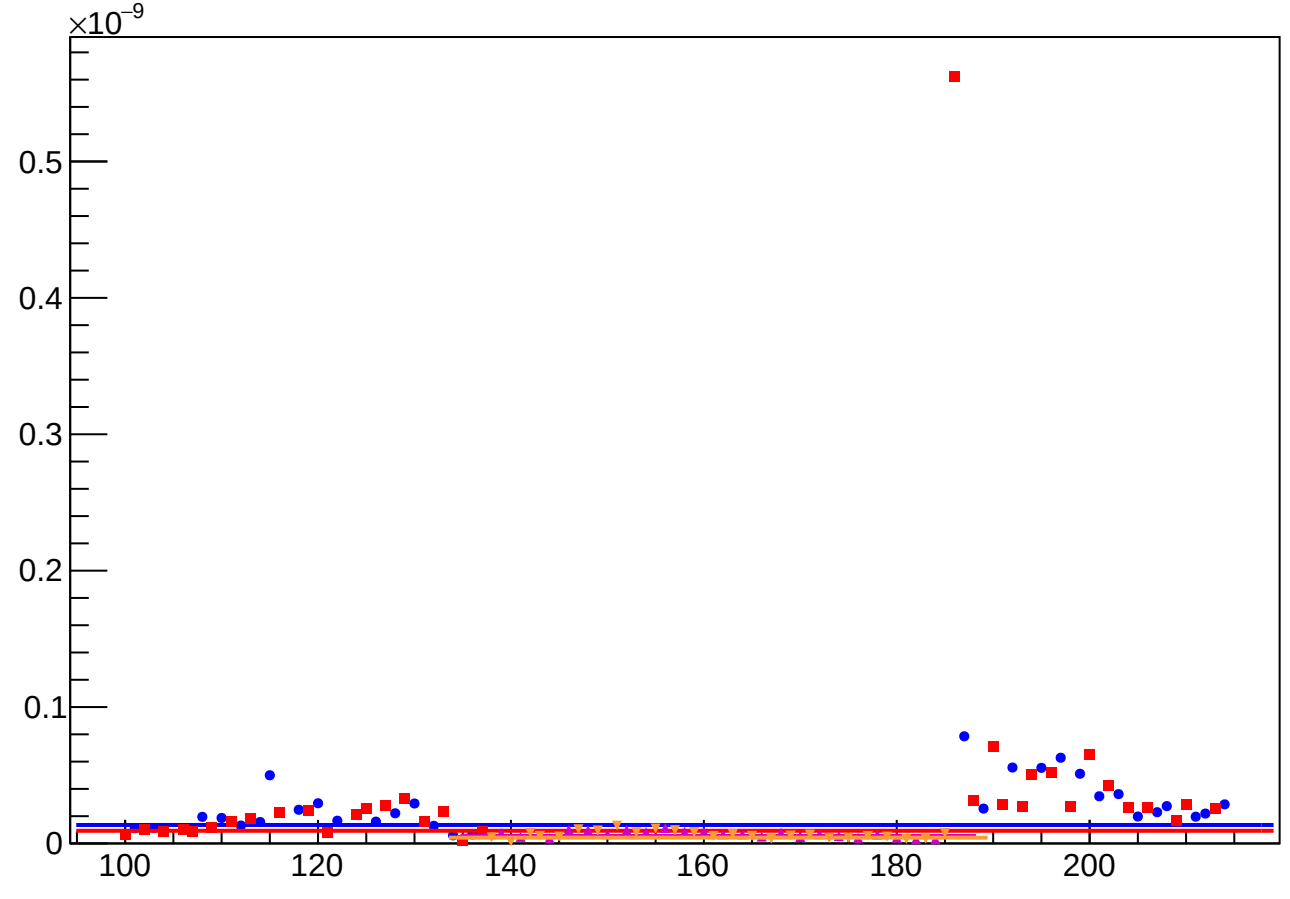
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.2/63

In: -0.000+/-0.000 χ^2/NDF:64.1/52

Out: -0.000+/-0.000 χ^2/NDF:57.1/58

All: -0.000+/-0.000 χ^2/NDF: 121.2/111



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

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

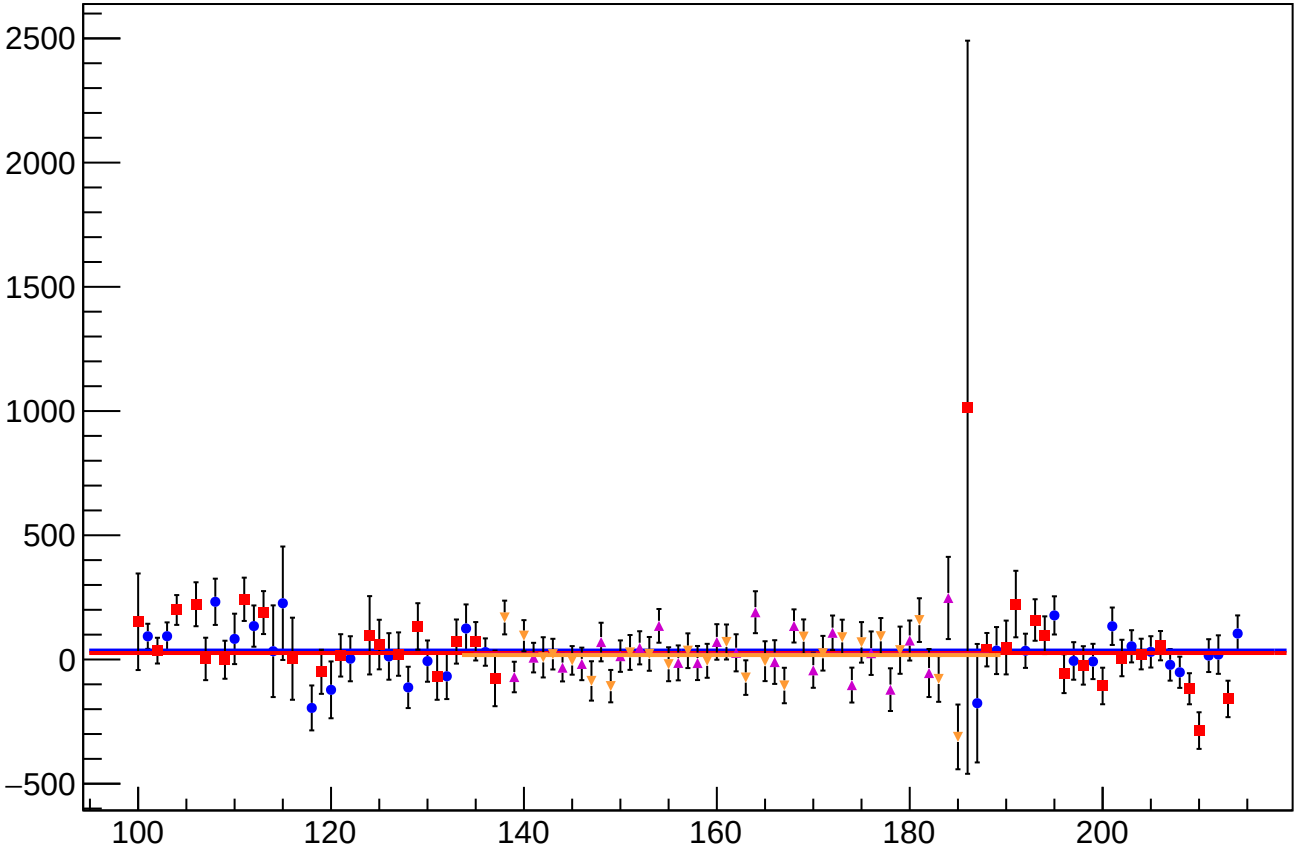
Right: 0.000+/-0.000 χ^2/NDF: 19658516.1/63

In: 0.000+/-0.000 χ^2/NDF:14958521.7/52

Out: 0.000+/-0.000 χ^2/NDF:19582516.2/58

All: 0.000+/-0.000 χ^2/NDF: 35604474.3/111

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

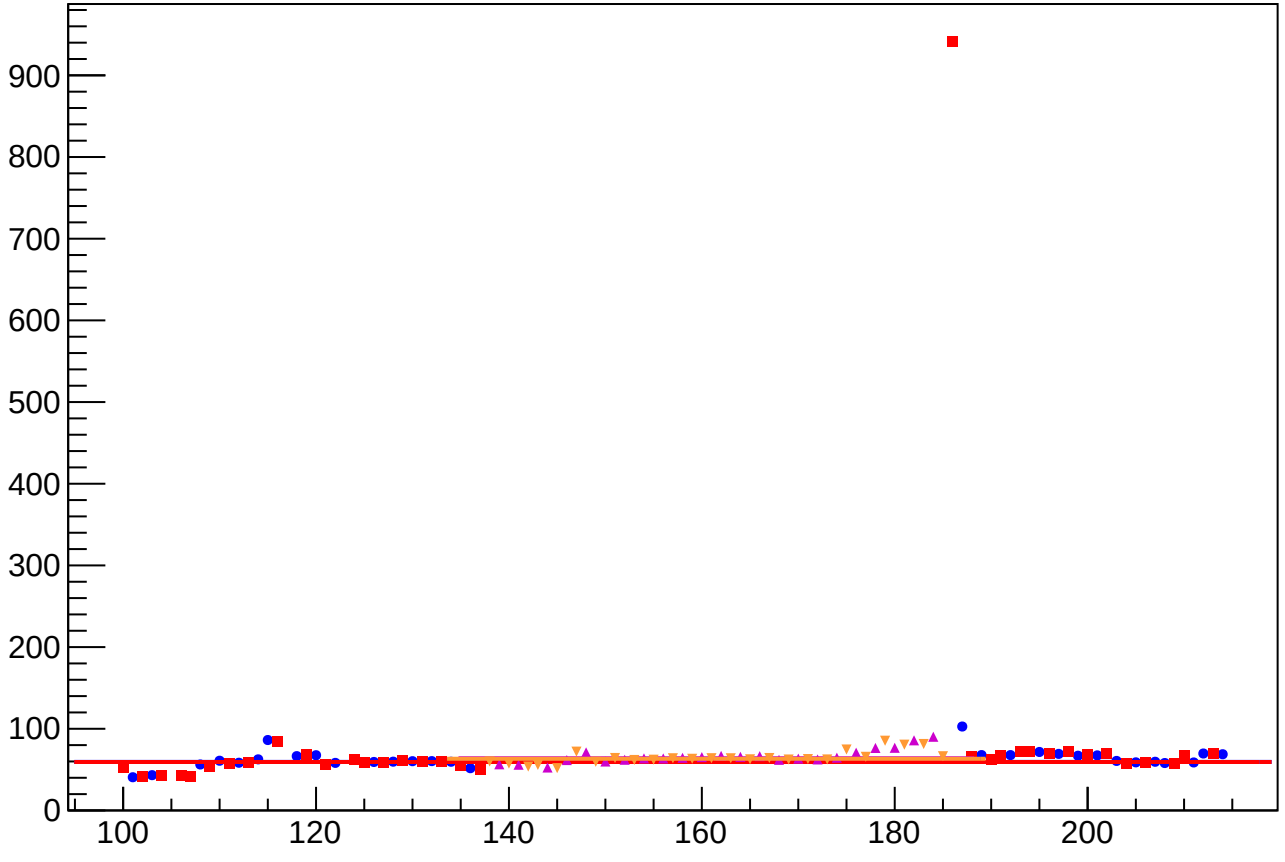
Right: 30.973+/-9.931 χ^2/NDF: 103.3/63

In: 28.315+/-10.285 χ^2/NDF:60.6/52

Out: 22.088+/-10.068 χ^2/NDF:101.0/58

All: 25.135+/-7.195 χ^2/NDF: 161.8/111

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



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

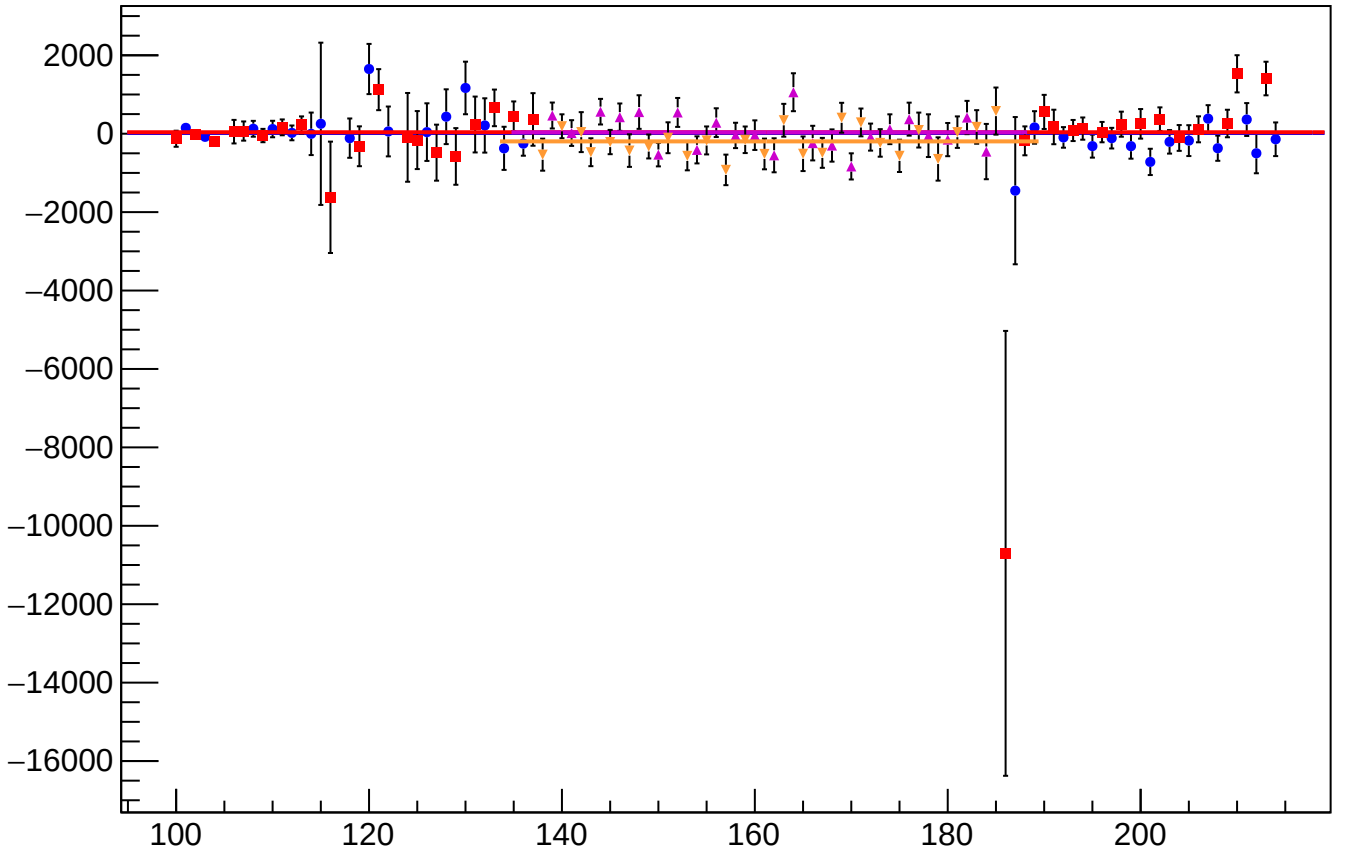
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 59.390+/-0.007 χ^2/NDF: 2566466.4/63

In: 61.539+/-0.007 χ^2/NDF:1389751.9/52

Out: 61.252+/-0.007 χ^2/NDF:2291445.6/58

All: 61.393+/-0.005 χ^2/NDF: 3681991.2/111



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

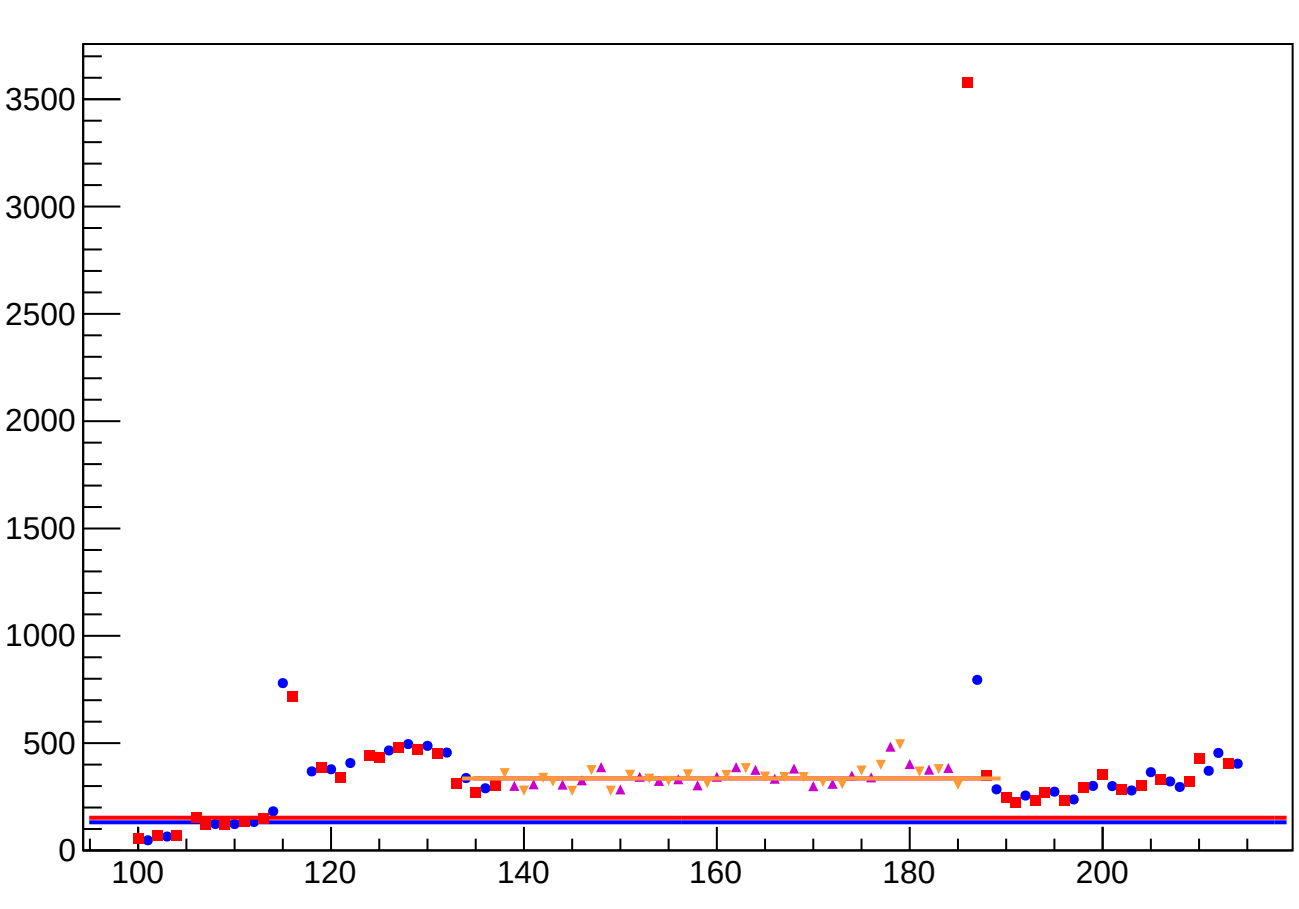
Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

Right: 27.088+/-30.186 χ^2/NDF: 78.5/63

In: 21.935+/-36.804 χ^2/NDF:61.5/52

Out: -19.853+/-38.157 χ^2/NDF:75.5/58

All: 1.795+/-26.490 χ^2/NDF: 137.6/111



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

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

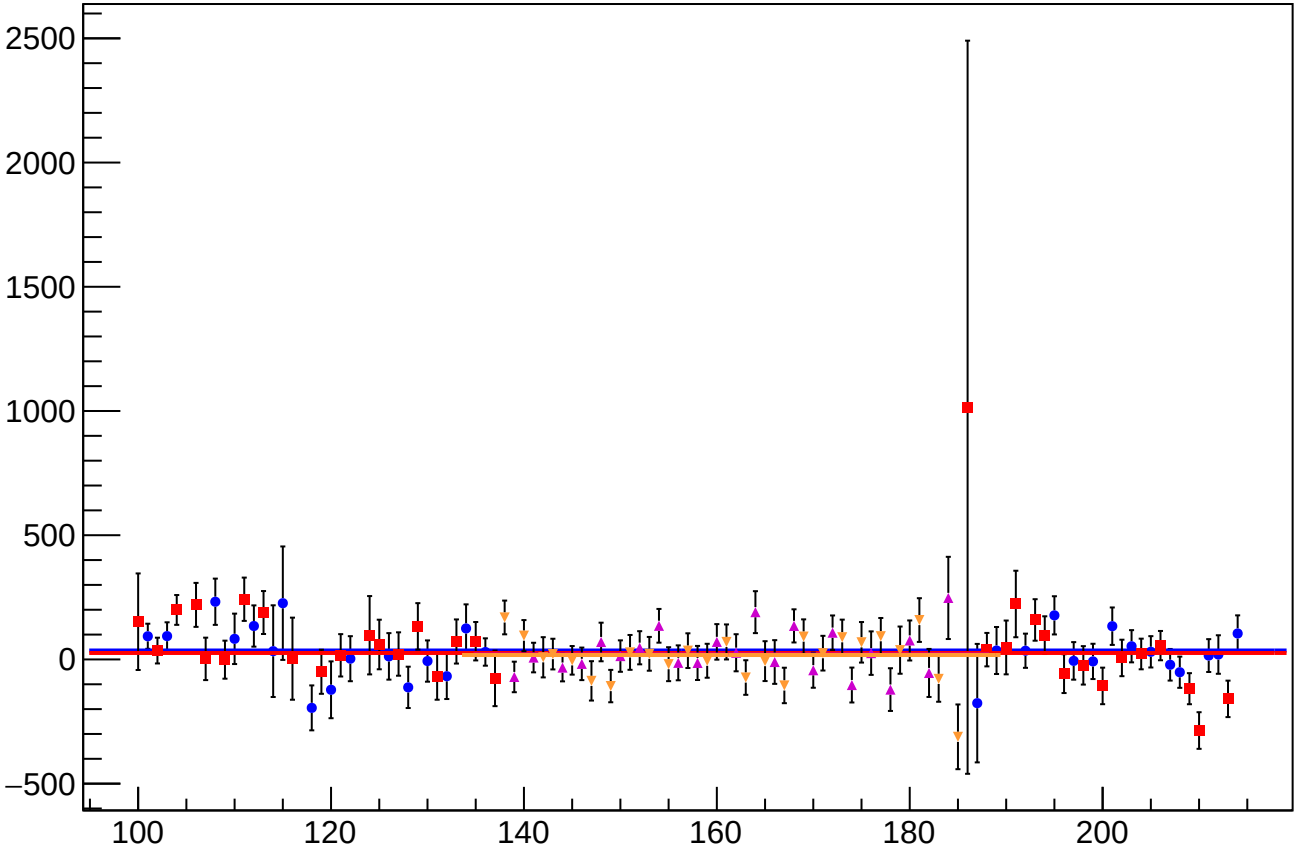
Right: 141.245+/-0.021 χ^2/NDF: 29233528.0/63

In: 175.296+/-0.026 χ^2/NDF:26692615.0/52

Out: 197.264+/-0.027 χ^2/NDF:22278882.7/58

All: 185.884+/-0.019 χ^2/NDF: 49314929.9/11

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



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

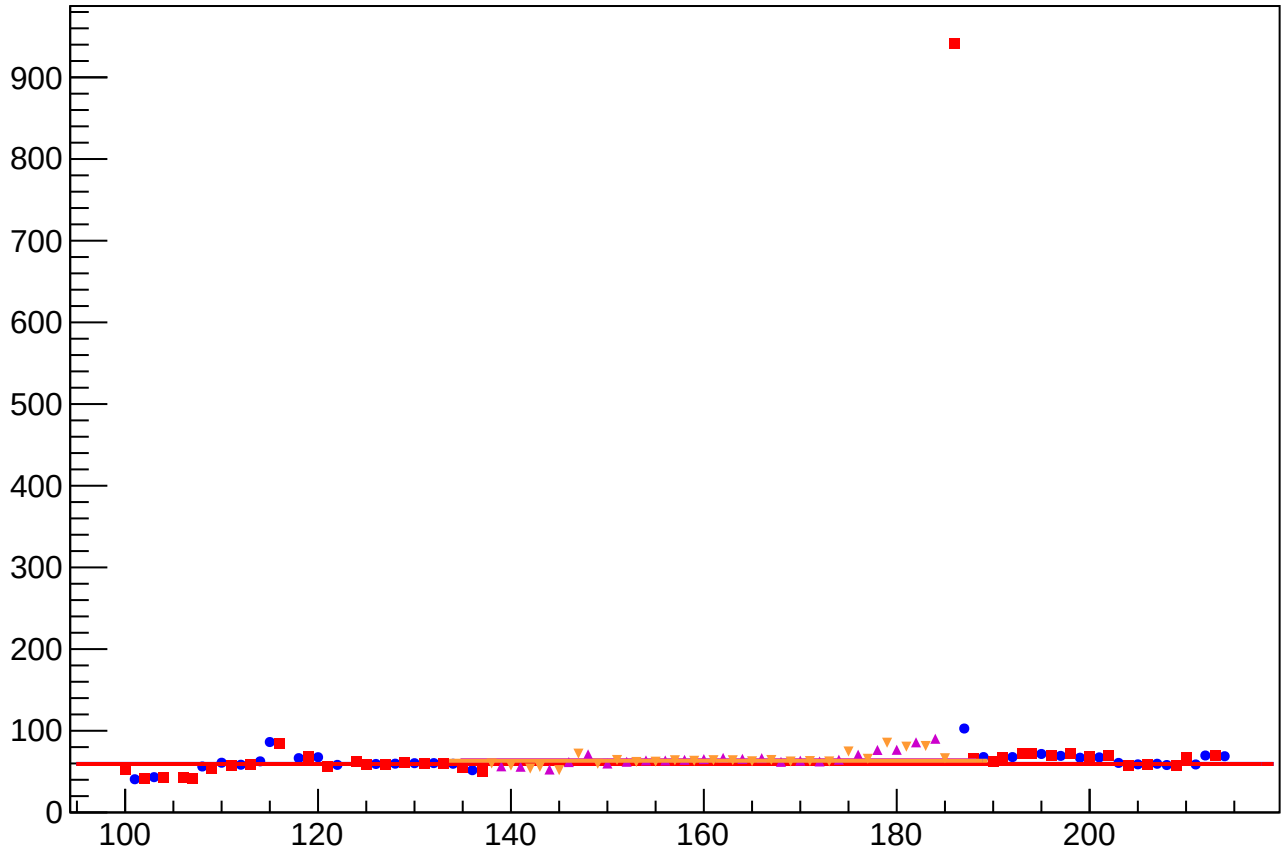
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 30.941+/-9.931 χ^2/NDF: 103.1/63

In: 28.318+/-10.285 χ^2/NDF:60.6/52

Out: 22.054+/-10.068 χ^2/NDF:100.9/58

All: 25.119+/-7.195 χ^2/NDF: 161.7/111



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

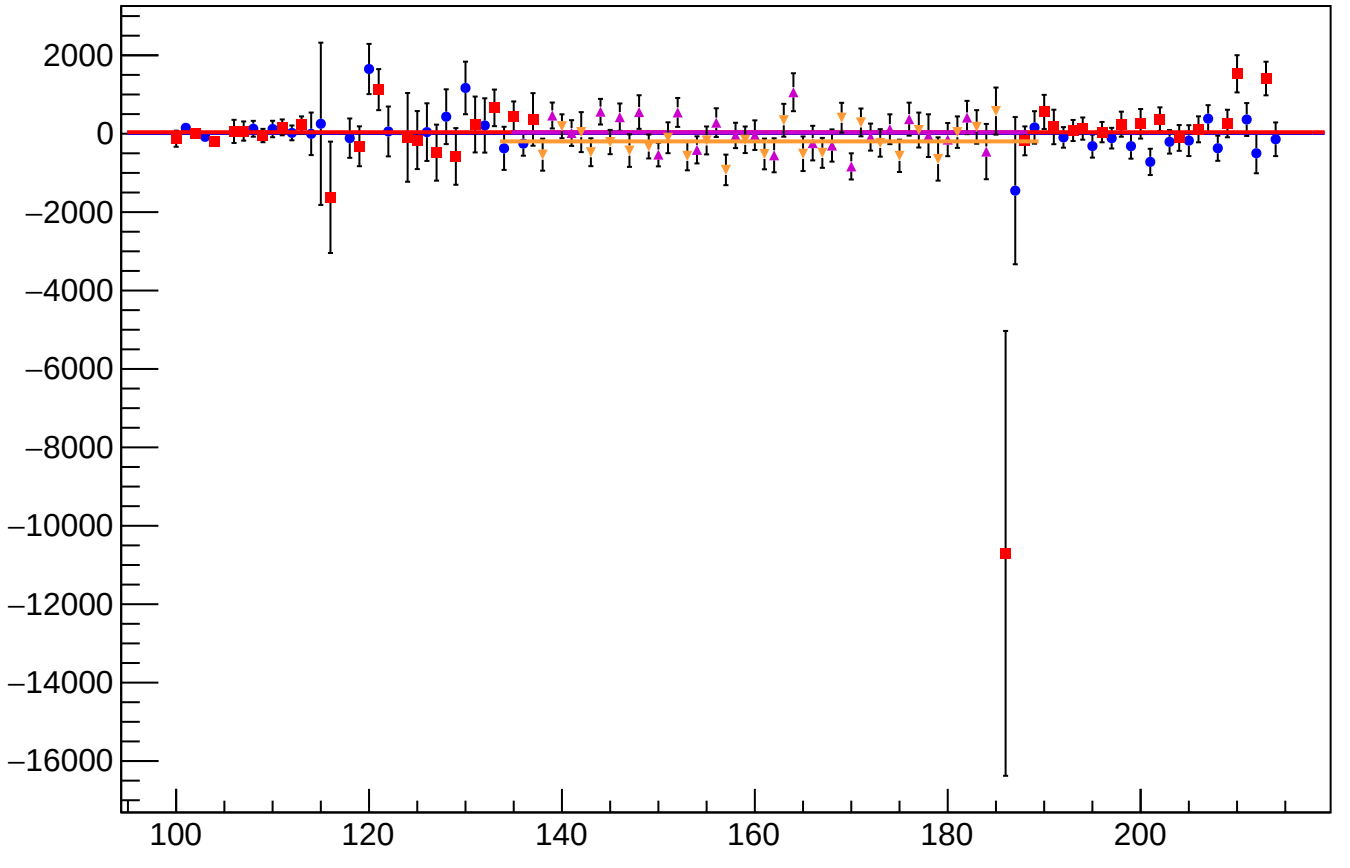
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.390+/-0.007 χ^2/NDF: 2566891.4/63

In: 61.539+/-0.007 χ^2/NDF:1389750.7/52

Out: 61.252+/-0.007 χ^2/NDF:2291894.4/58

All: 61.392+/-0.005 χ^2/NDF: 3682440.4/111



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

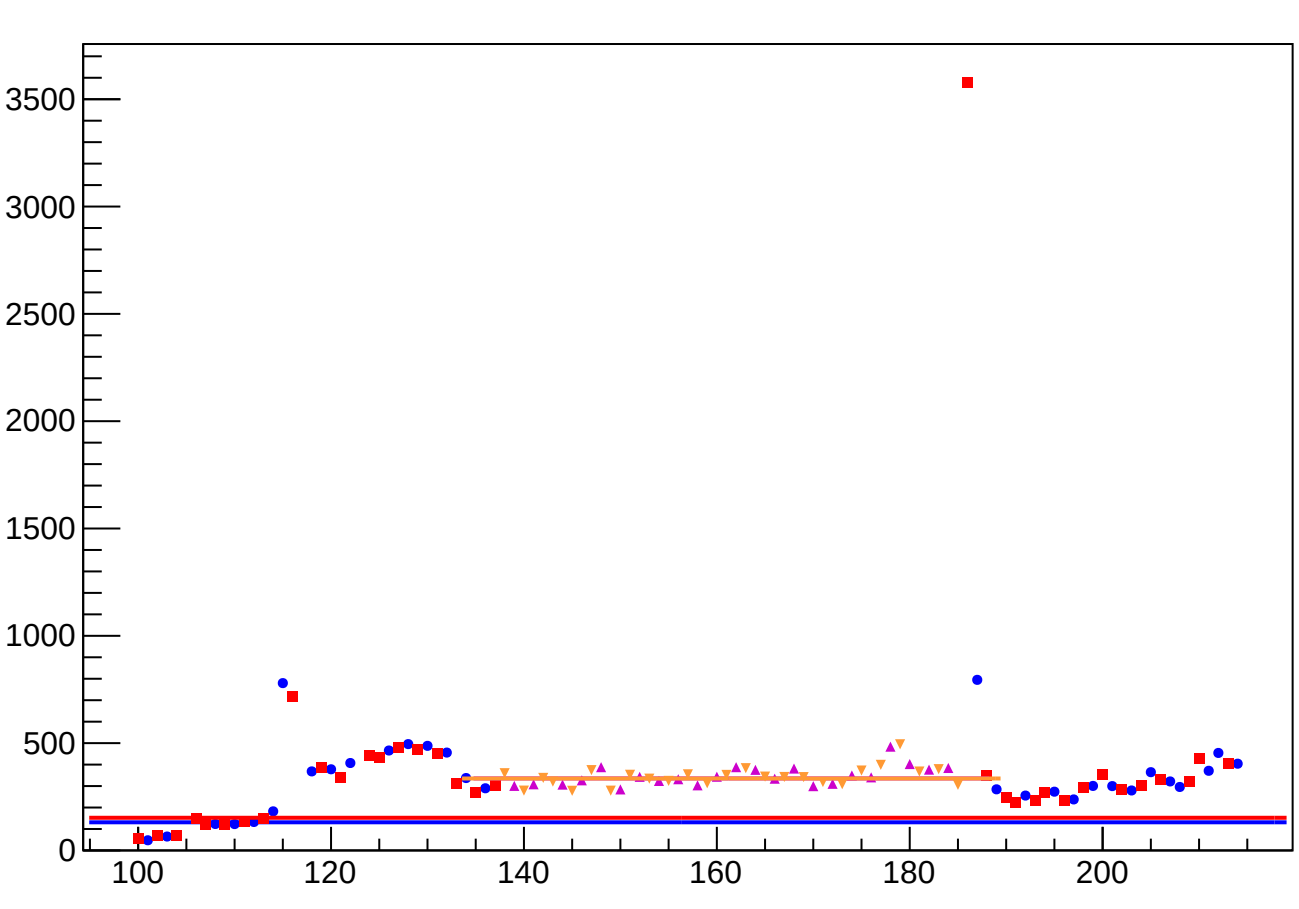
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 27.216+/-30.177 χ^2/NDF: 78.5/63

In: 21.938+/-36.804 χ^2/NDF:61.5/52

Out: -19.604+/-38.138 χ^2/NDF:75.5/58

All: 1.907+/-26.483 χ^2/NDF: 137.6/111



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

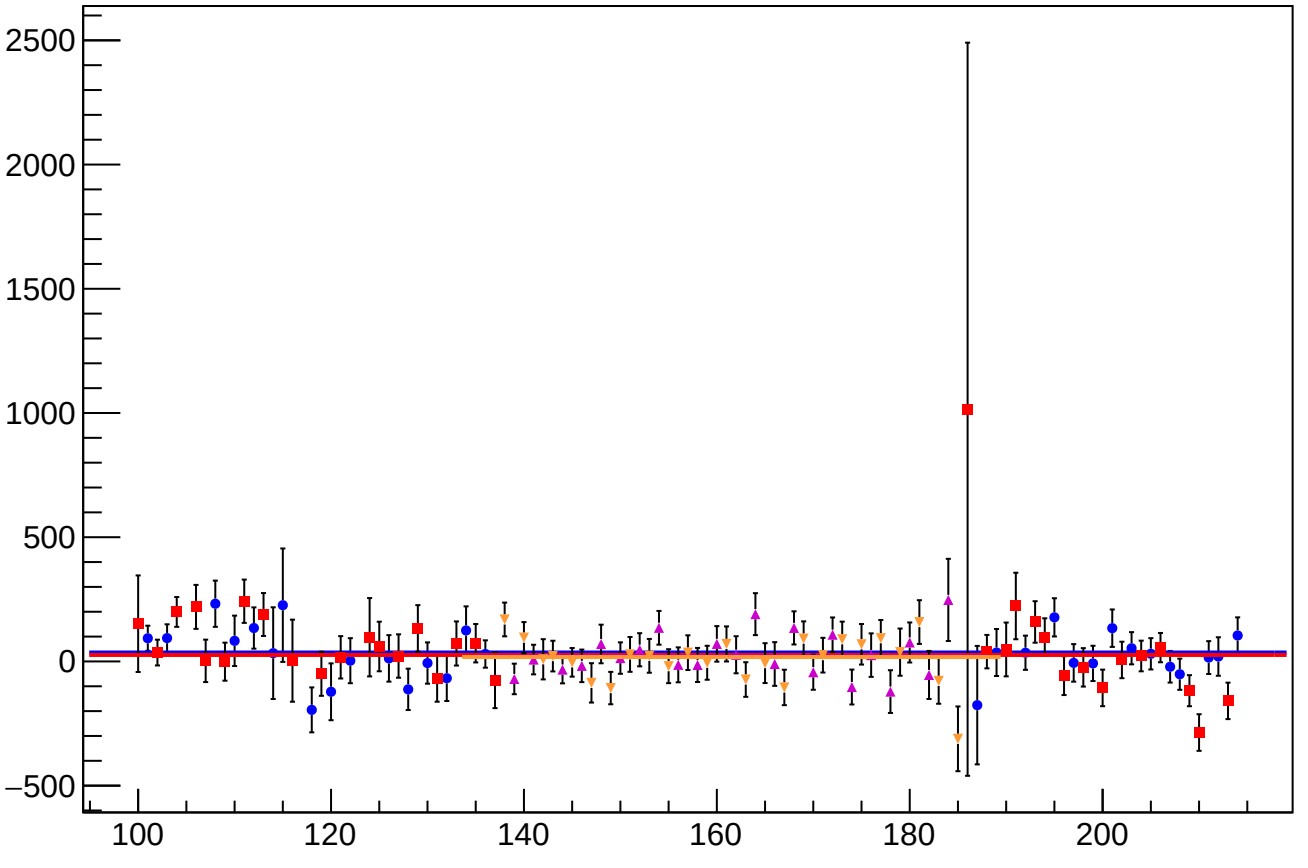
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 141.158+/-0.021 χ^2/NDF: 29236742.8/63

In: 175.292+/-0.026 χ^2/NDF:26693407.9/52

Out: 197.074+/-0.027 χ^2/NDF:22306659.0/58

All: 185.795+/-0.019 χ^2/NDF: 49337885.7/1



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

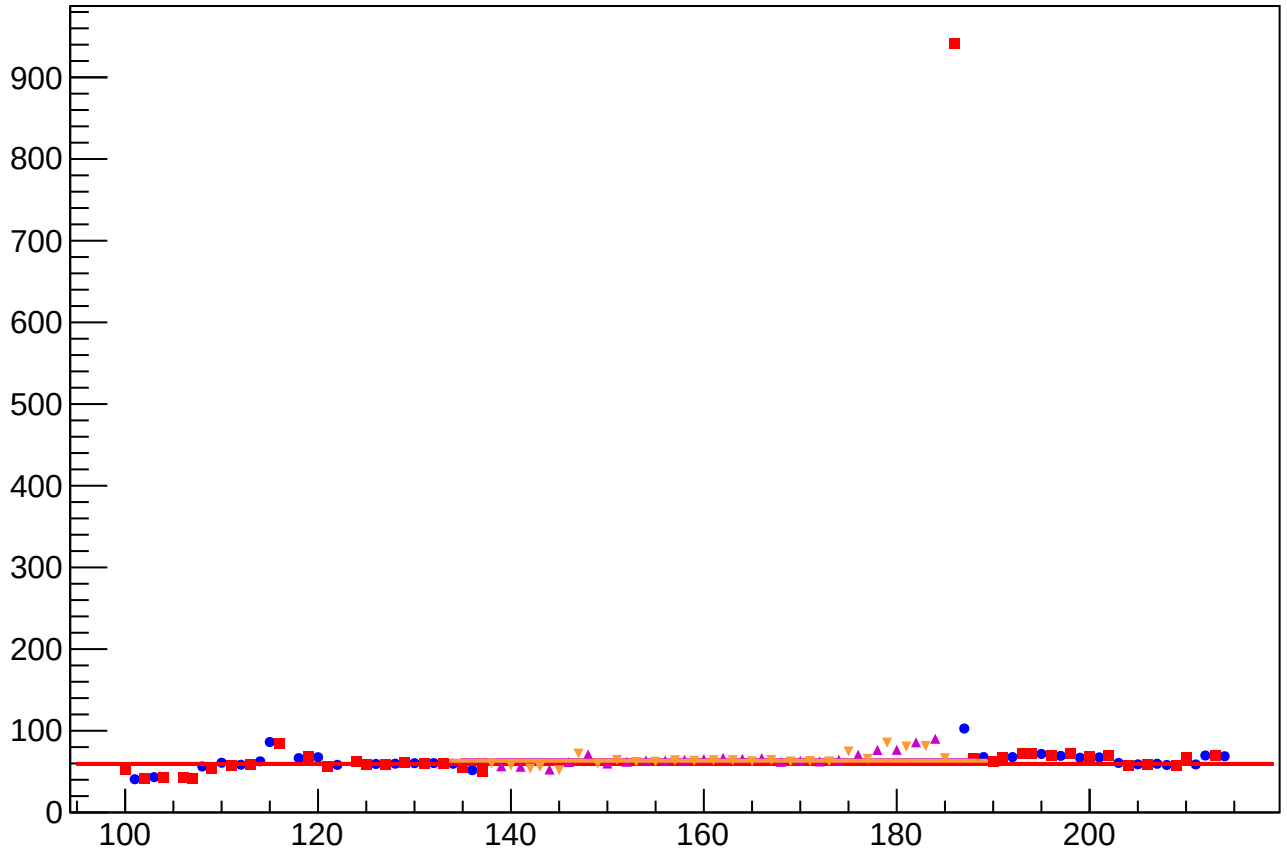
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 30.941+/-9.931 χ^2/NDF: 103.1/63

In: 28.318+/-10.285 χ^2/NDF:60.6/52

Out: 22.054+/-10.068 χ^2/NDF:100.9/58

All: 25.119+/-7.195 χ^2/NDF: 161.7/111



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

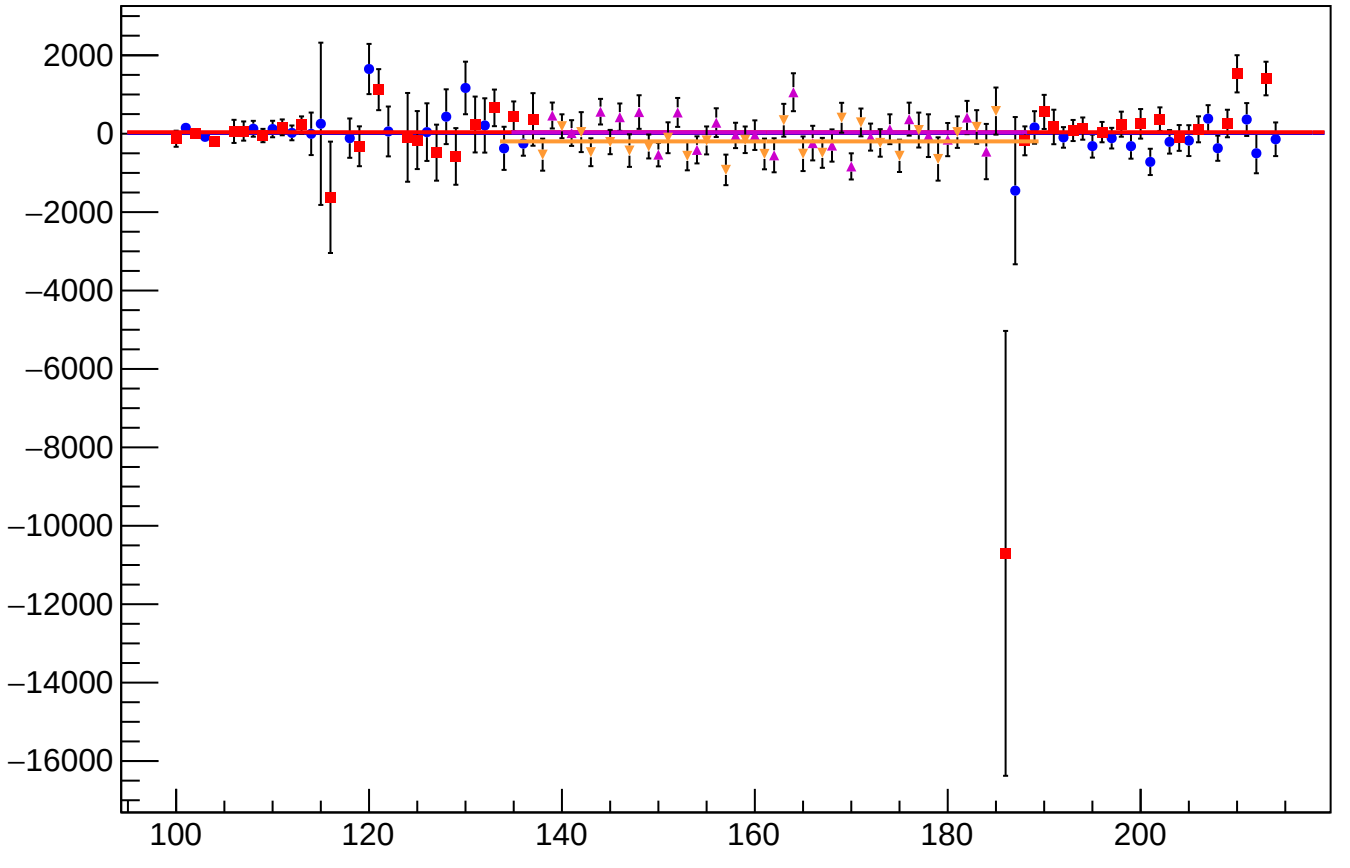
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.390+/-0.007 χ^2/NDF: 2566891.4/63

In: 61.539+/-0.007 χ^2/NDF:1389750.7/52

Out: 61.252+/-0.007 χ^2/NDF:2291894.4/58

All: 61.392+/-0.005 χ^2/NDF: 3682440.4/111



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

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

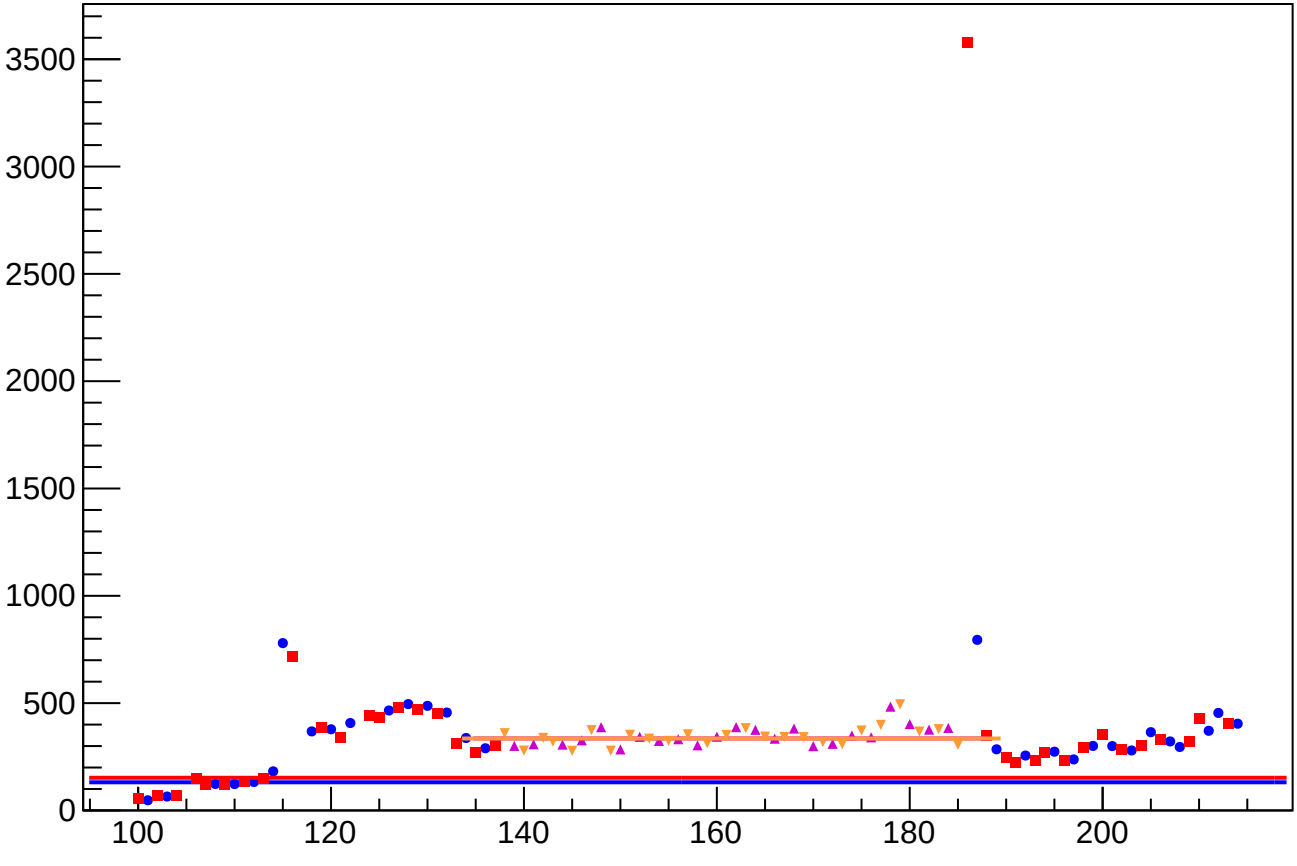
Right: 27.216+/-30.177 χ^2/NDF: 78.5/63

In: 21.938+/-36.804 χ^2/NDF:61.5/52

Out: -19.604+/-38.138 χ^2/NDF:75.5/58

All: 1.907+/-26.483 χ^2/NDF: 137.6/111

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

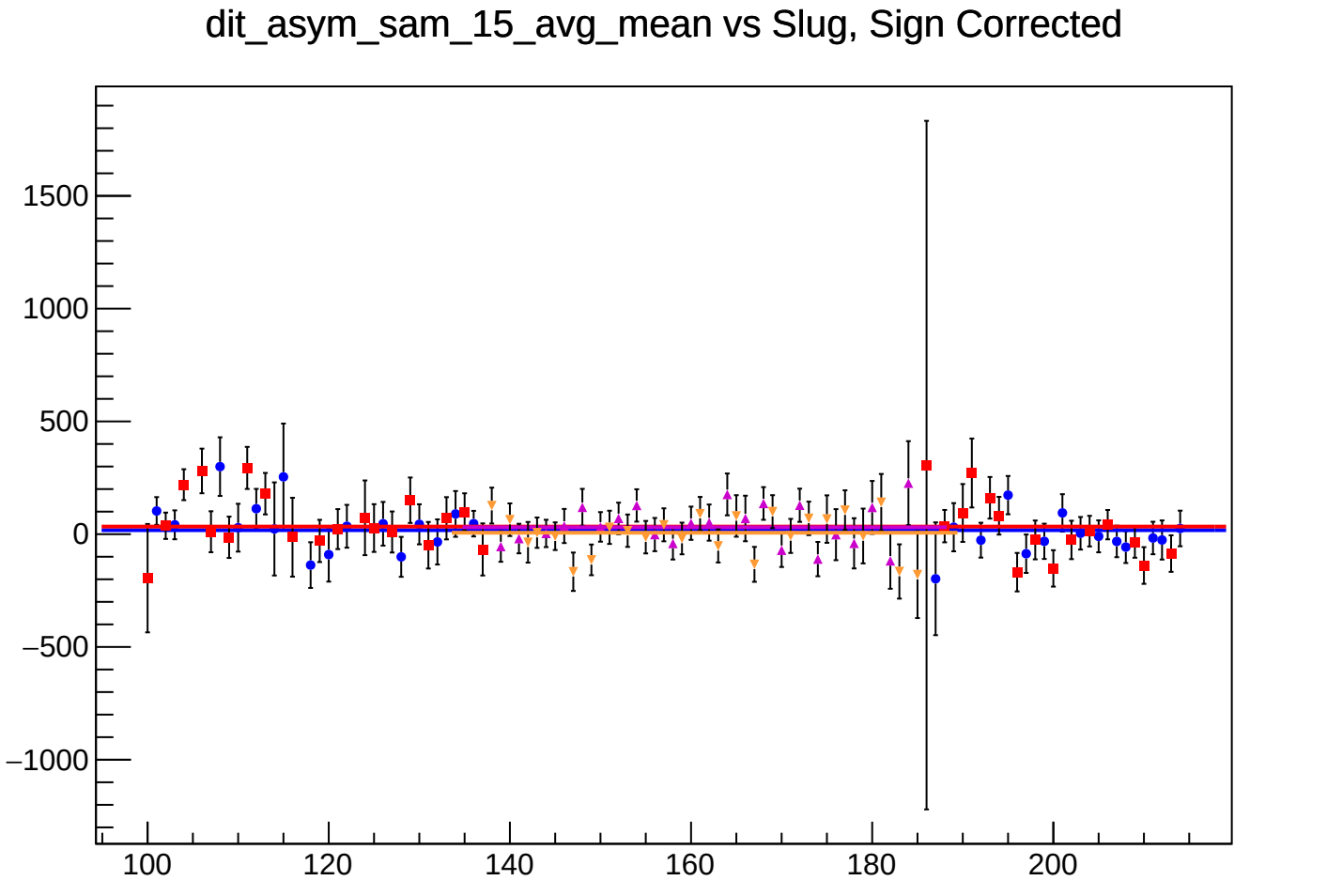
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 141.158+/-0.021 χ^2/NDF: 29236742.8/63

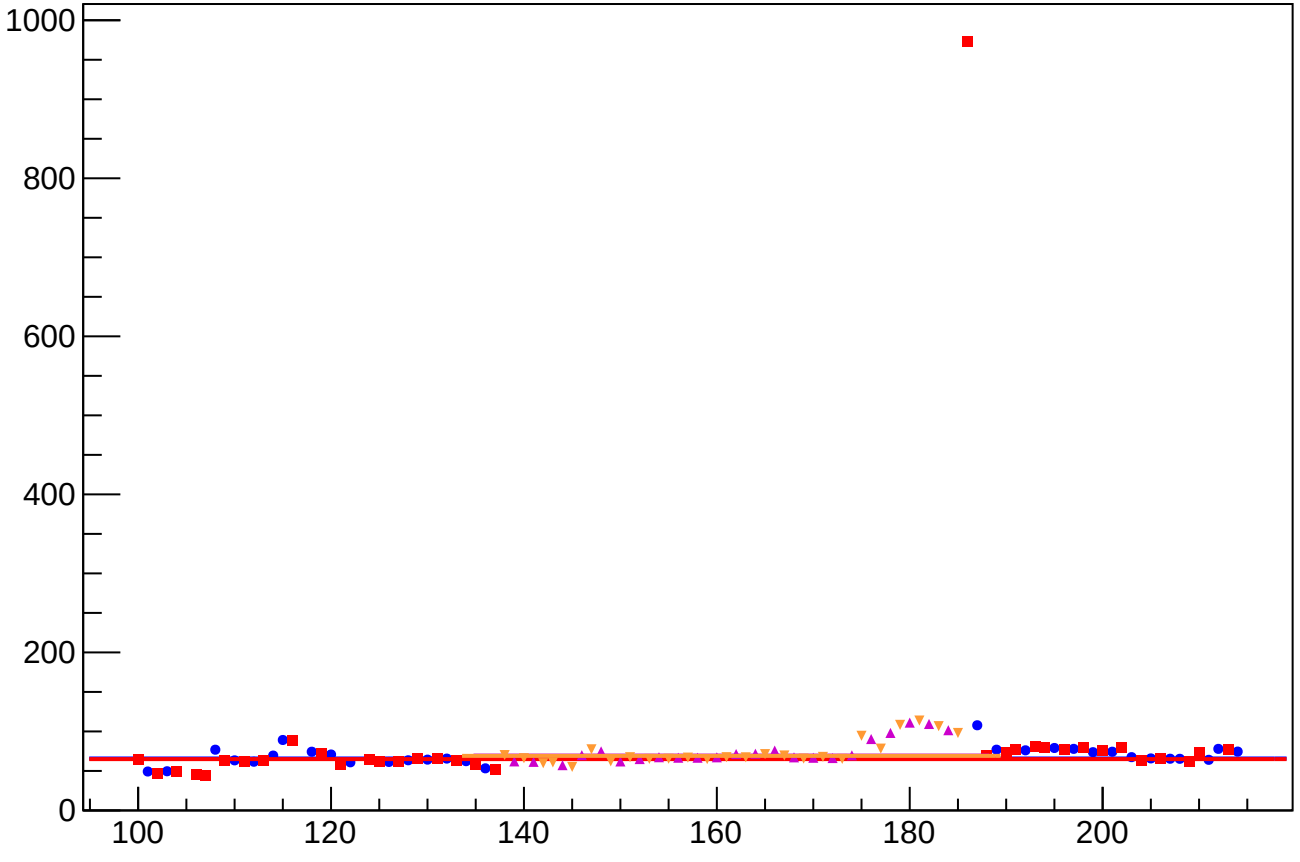
In: 175.292+/-0.026 χ^2/NDF:26693407.9/52

Out: 197.074+/-0.027 χ^2/NDF:22306659.0/58

All: 185.795+/-0.019 χ^2/NDF: 49337885.7/11


dit_asym_sam_15_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 17.721+/-15.594 χ²/NDF: 24.6/29
Left Out: 6.469+/-15.977 χ²/NDF:25.1/24
Right Out: 33.744+/-15.352 χ²/NDF: 53.9/33
Left In: 30.662+/-16.503 χ²/NDF:22.5/22
Left: 18.174+/-11.479 χ²/NDF: 48.6/47
Right: 25.858+/-10.940 χ²/NDF: 79.1/63
In: 23.825+/-11.334 χ²/NDF:47.4/52
Out: 20.651+/-11.070 χ²/NDF:80.5/58
All: 22.200+/-7.919 χ²/NDF: 127.9/111

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

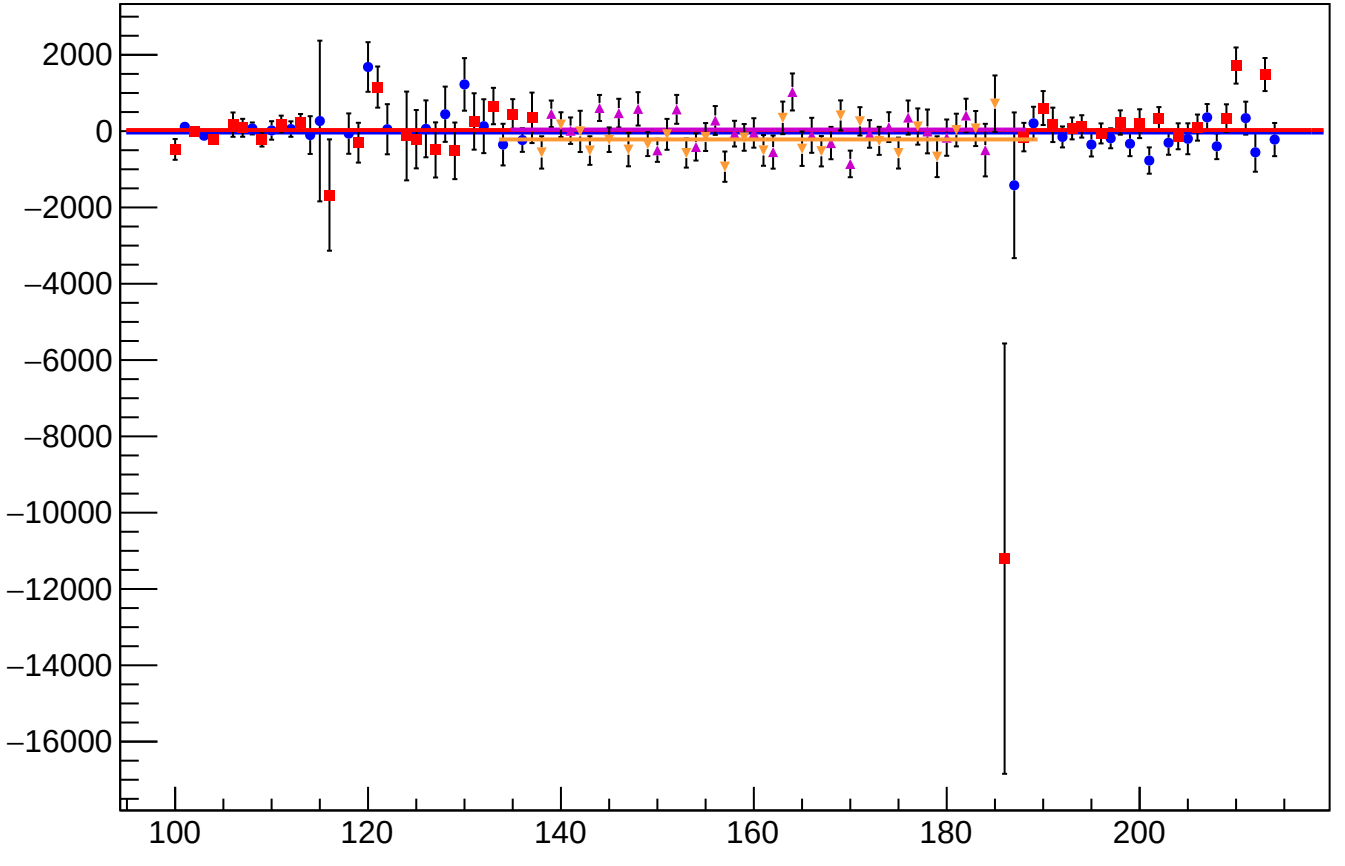
Right: 65.366+/-0.008 χ^2/NDF: 2462371.6/63

In: 67.499+/-0.008 χ^2/NDF:1727173.4/52

Out: 66.945+/-0.008 χ^2/NDF:2851928.1/58

All: 67.215+/-0.006 χ^2/NDF: 4581545.1/111

asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected



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

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

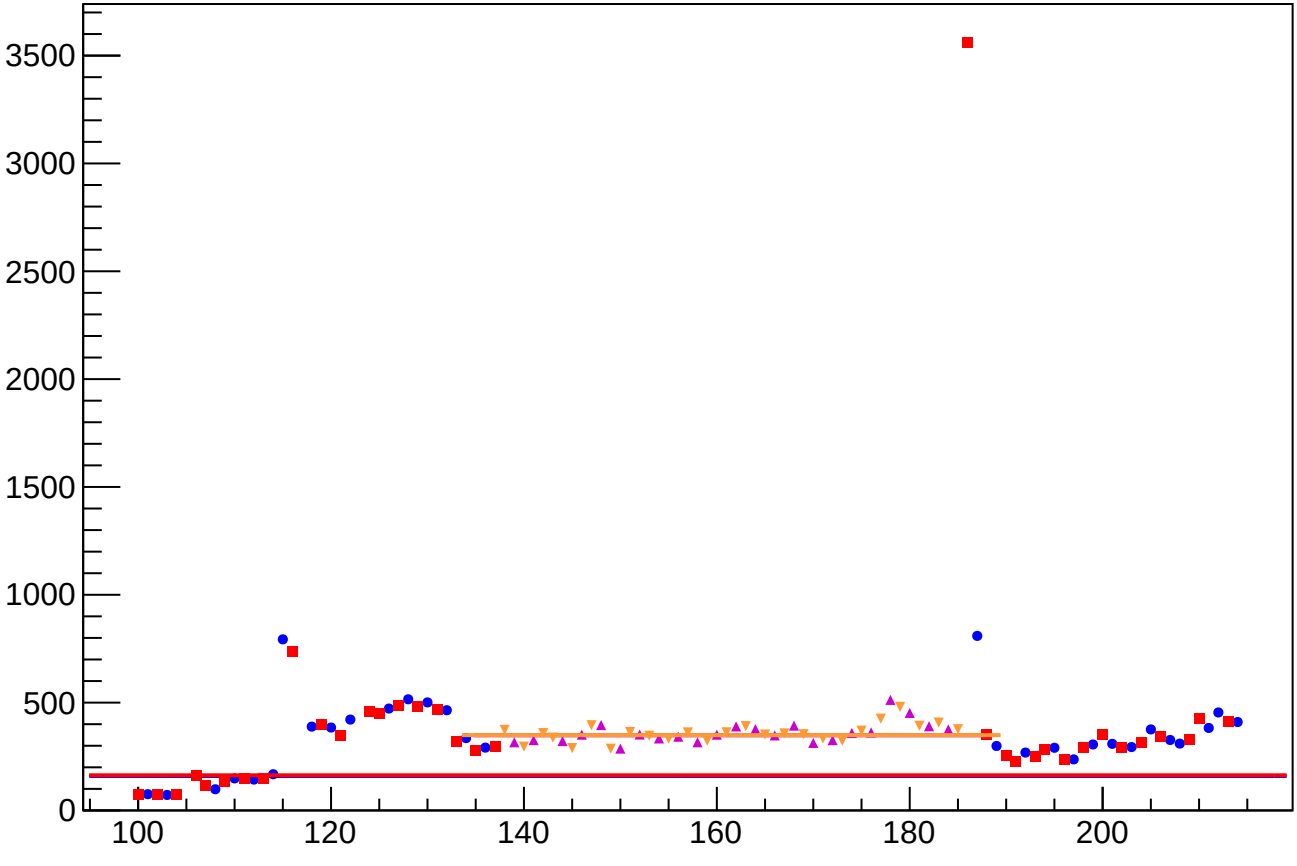
Right: -3.344+/-32.826 χ^2/NDF: 85.8/63

In: -16.921+/-40.645 χ^2/NDF:59.5/52

Out: -32.851+/-39.960 χ^2/NDF:82.4/58

All: -25.021+/-28.495 χ^2/NDF: 142.0/111

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



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

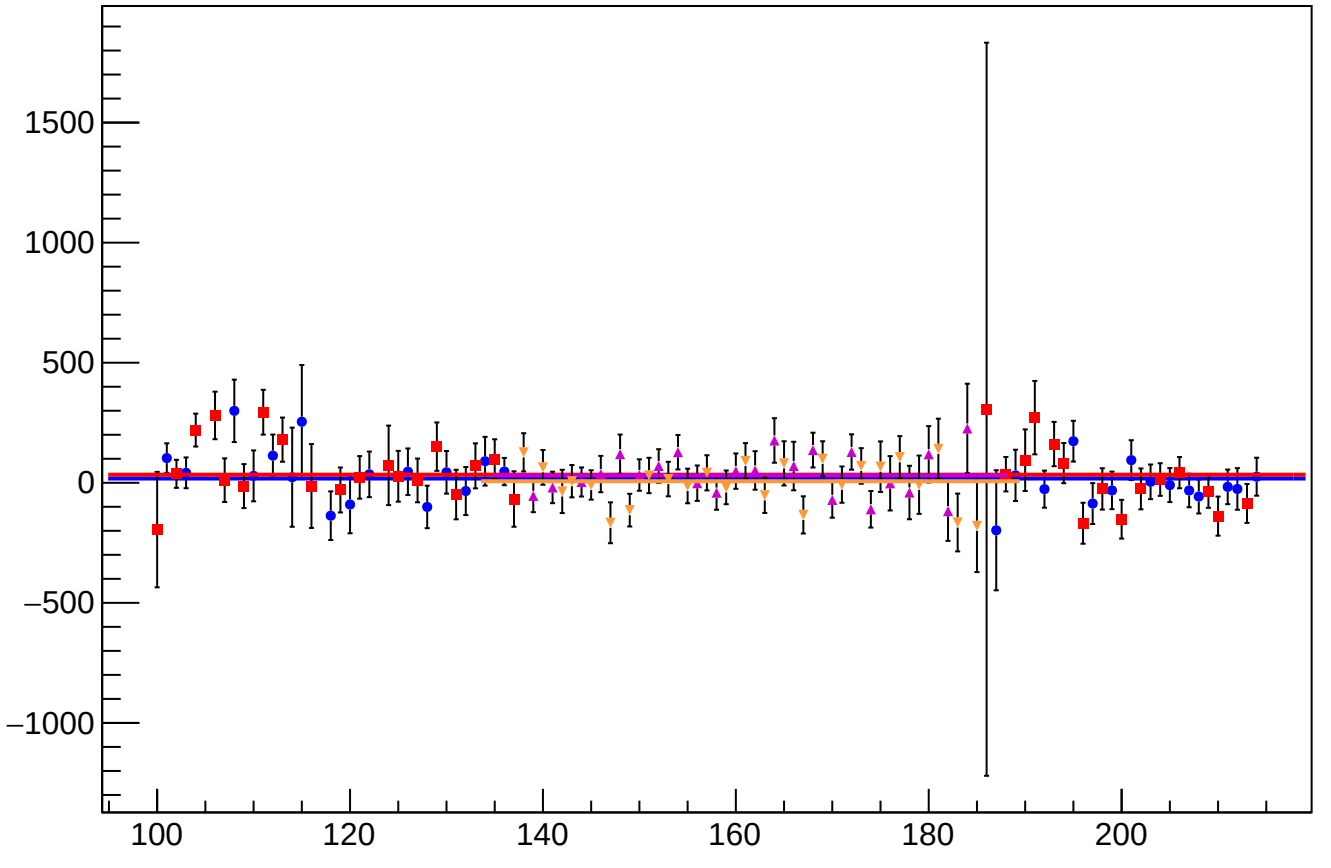
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 161.446+/-0.023 χ^2/NDF: 25370273.2/63

In: 205.980+/-0.029 χ^2/NDF:21322545.0/52

Out: 209.242+/-0.028 χ^2/NDF:21161142.4/58

All: 207.639+/-0.020 χ^2/NDF: 42490239.2/11



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

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

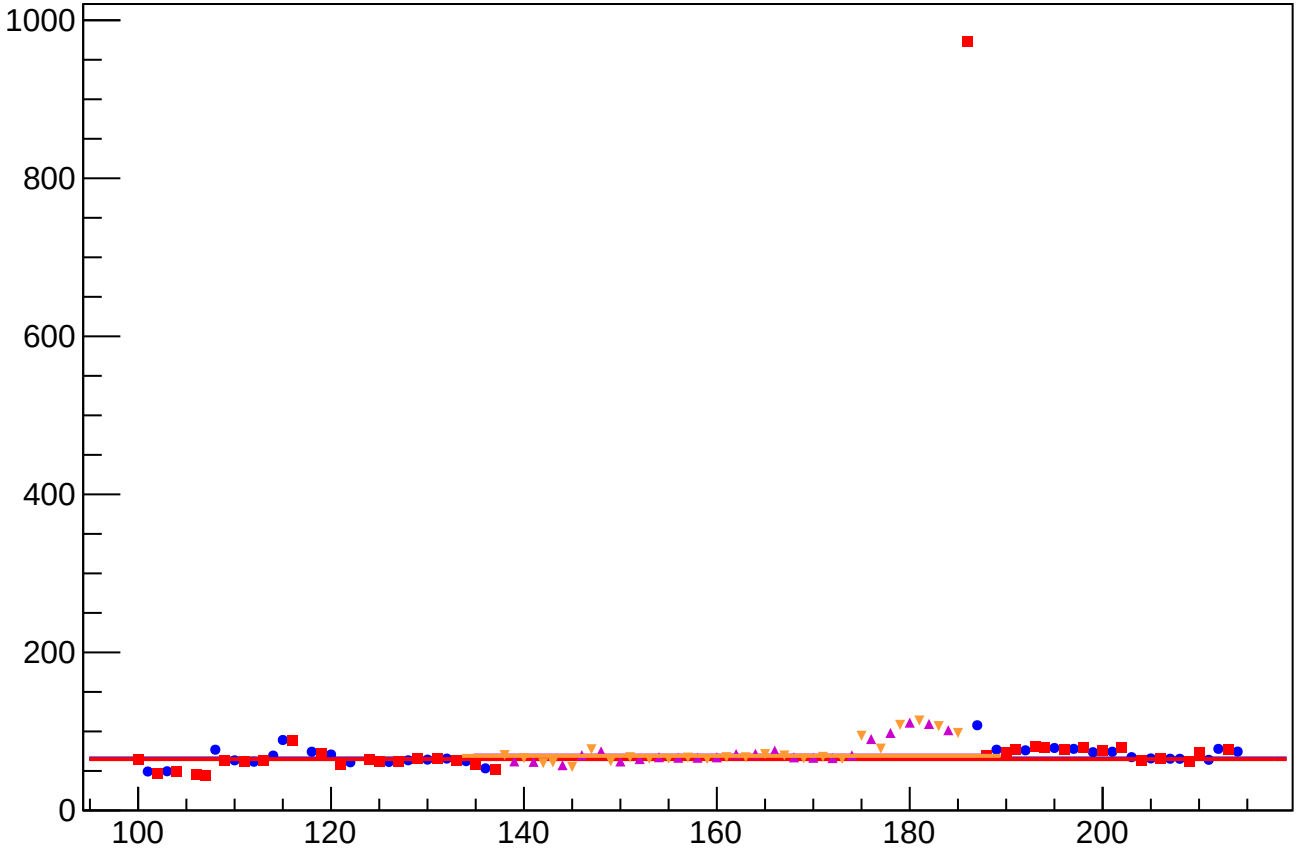
Right: 25.858+/-10.940 χ^2/NDF: 79.1/63

In: 23.825+/-11.334 χ^2/NDF:47.4/52

Out: 20.651+/-11.070 χ^2/NDF:80.5/58

All: 22.201+/-7.919 χ^2/NDF: 127.9/111

eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

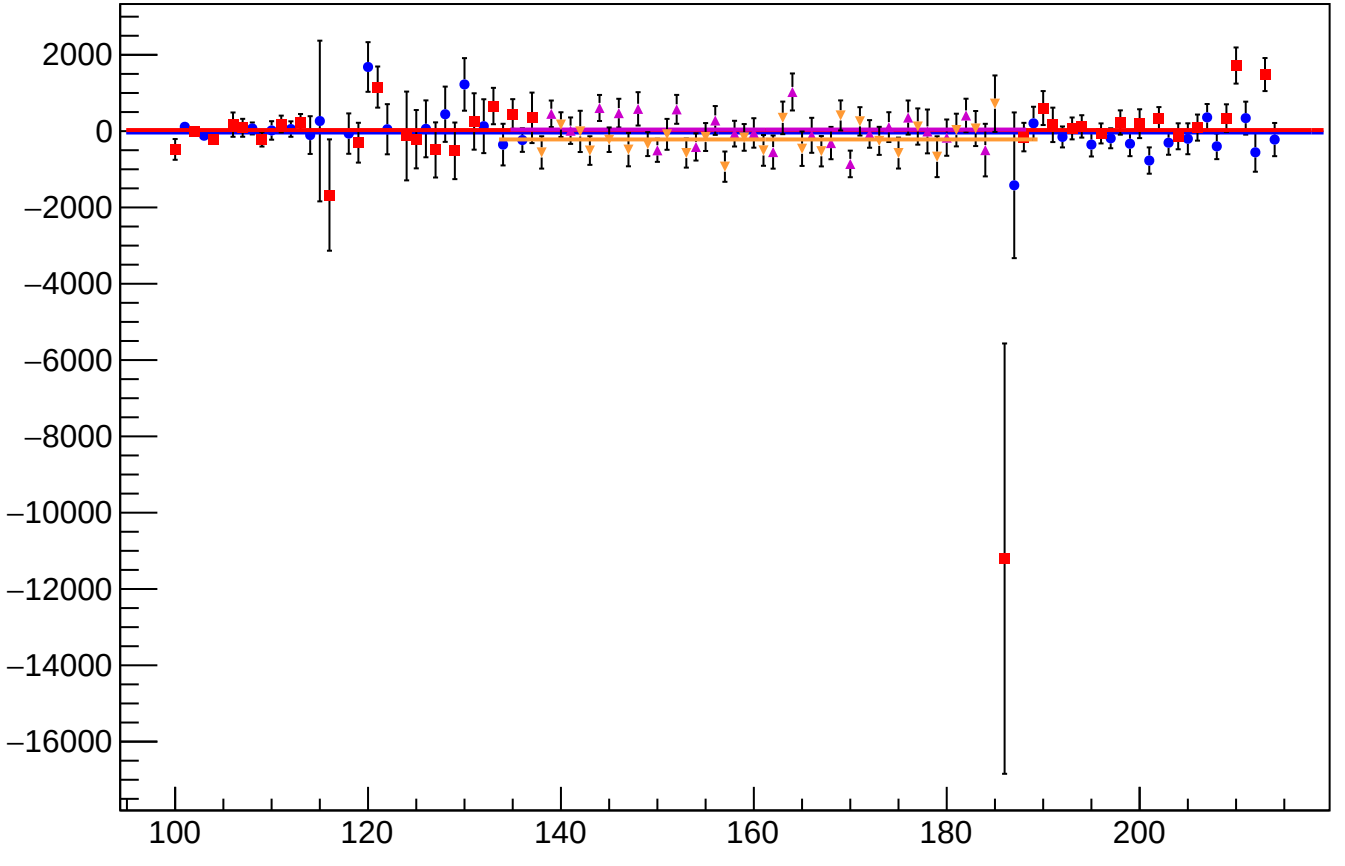
Right: 65.366+/-0.008 χ^2/NDF: 2462367.6/63

In: 67.499+/-0.008 χ^2/NDF:1727161.8/52

Out: 66.945+/-0.008 χ^2/NDF:2851914.3/58

All: 67.215+/-0.006 χ^2/NDF: 4581519.9/111

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

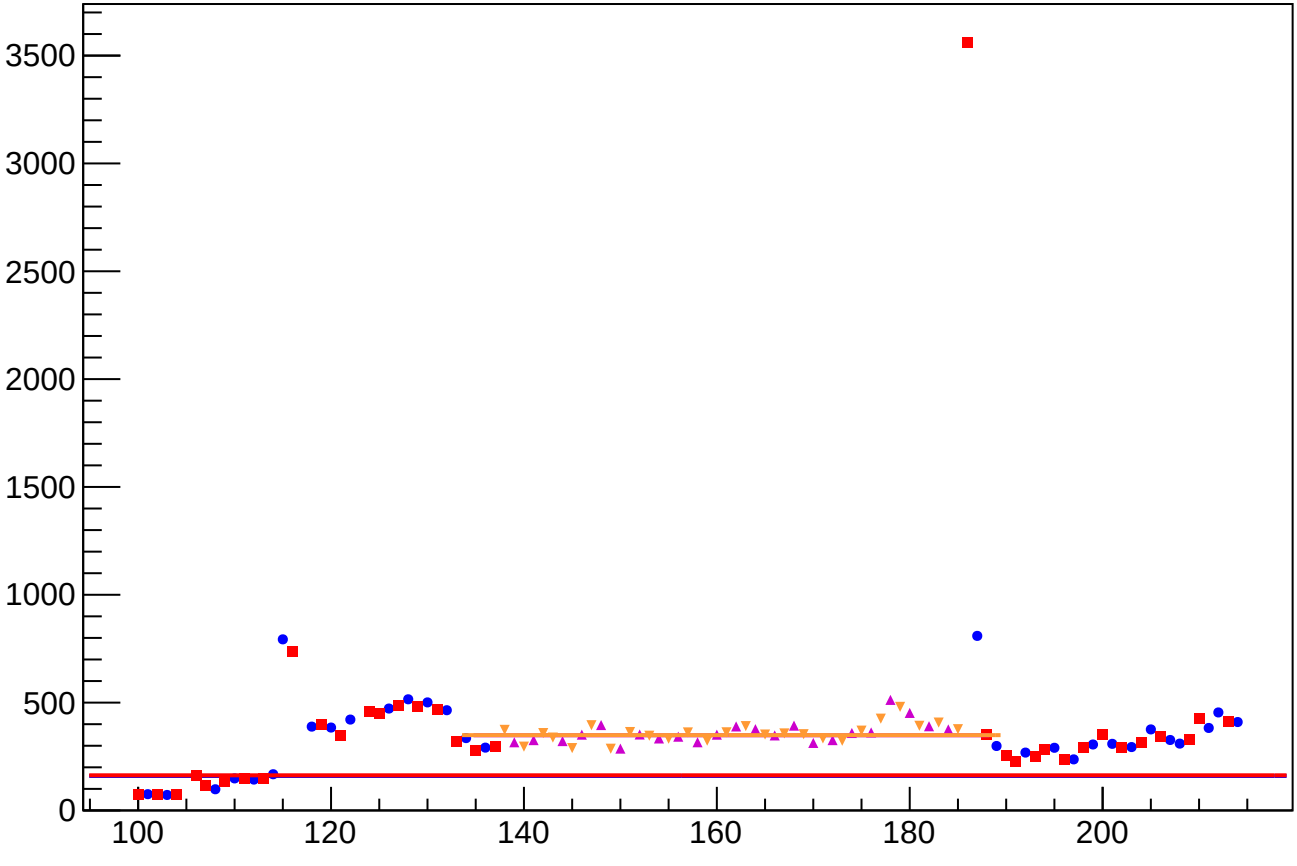
Right: -3.344+/-32.826 χ^2/NDF: 85.8/63

In: -16.921+/-40.645 χ^2/NDF:59.5/52

Out: -32.850+/-39.960 χ^2/NDF:82.4/58

All: -25.021+/-28.495 χ^2/NDF: 142.0/111

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

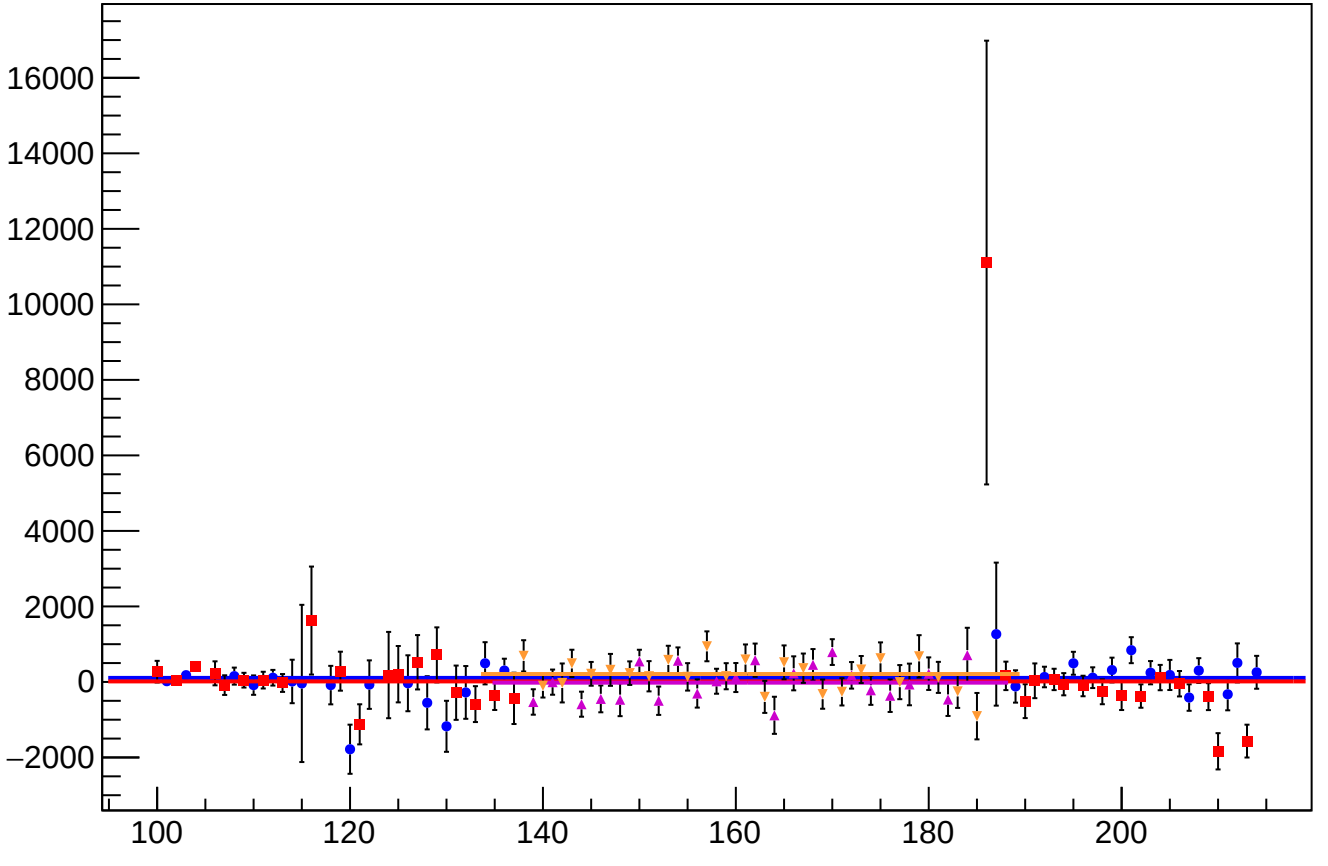
Right: 161.445+/-0.023 χ^2/NDF: 25370326.1/63

In: 205.980+/-0.029 χ^2/NDF:21322611.9/52

Out: 209.242+/-0.028 χ^2/NDF:21161252.4/58

All: 207.638+/-0.020 χ^2/NDF: 42490415.7/11

asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

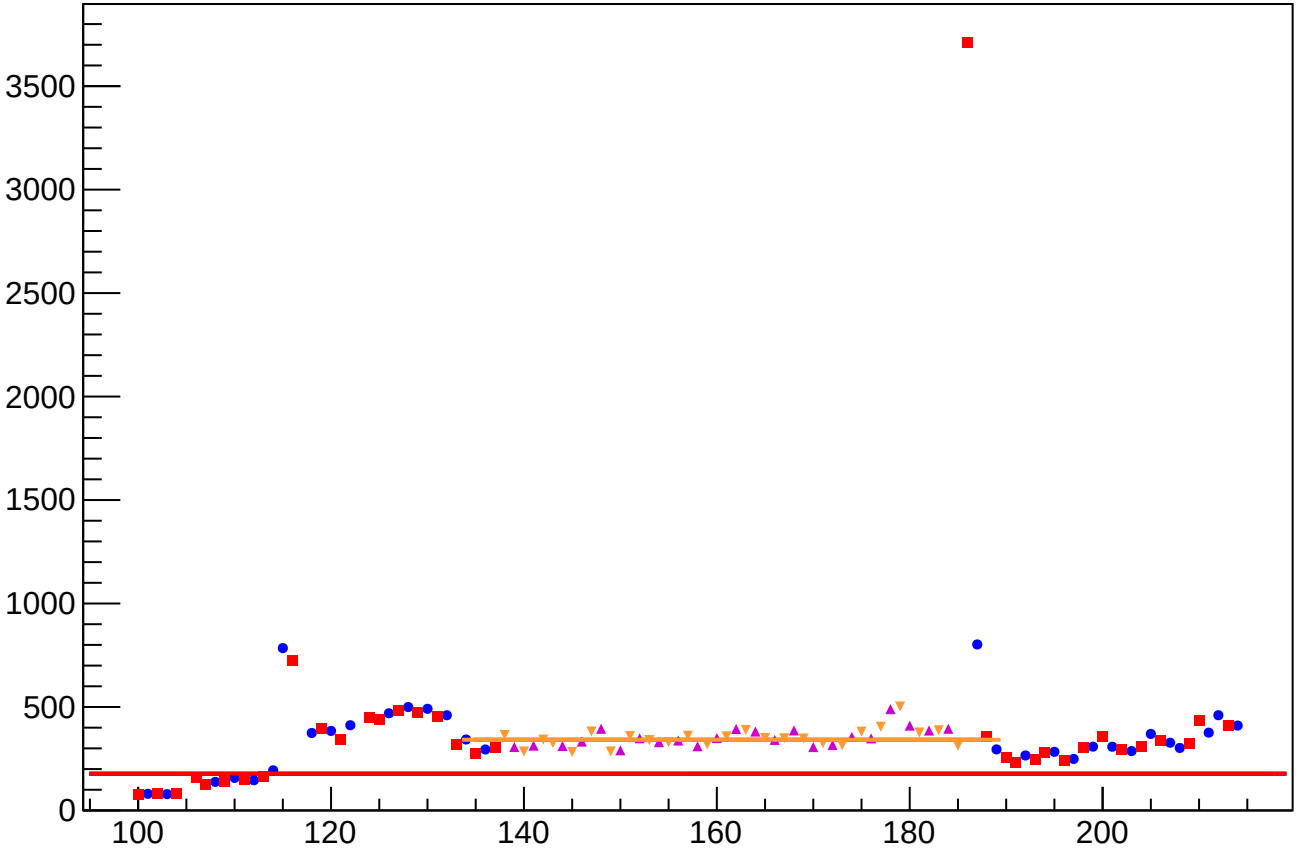
Right: 59.613+/-35.150 χ^2/NDF: 92.2/63

In: 71.764+/-42.676 χ^2/NDF:61.8/52

Out: 69.447+/-41.664 χ^2/NDF:88.4/58

All: 70.578+/-29.812 χ^2/NDF: 150.1/111

asym_sam_15_avg_rms vs Slug, Sign Corrected



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

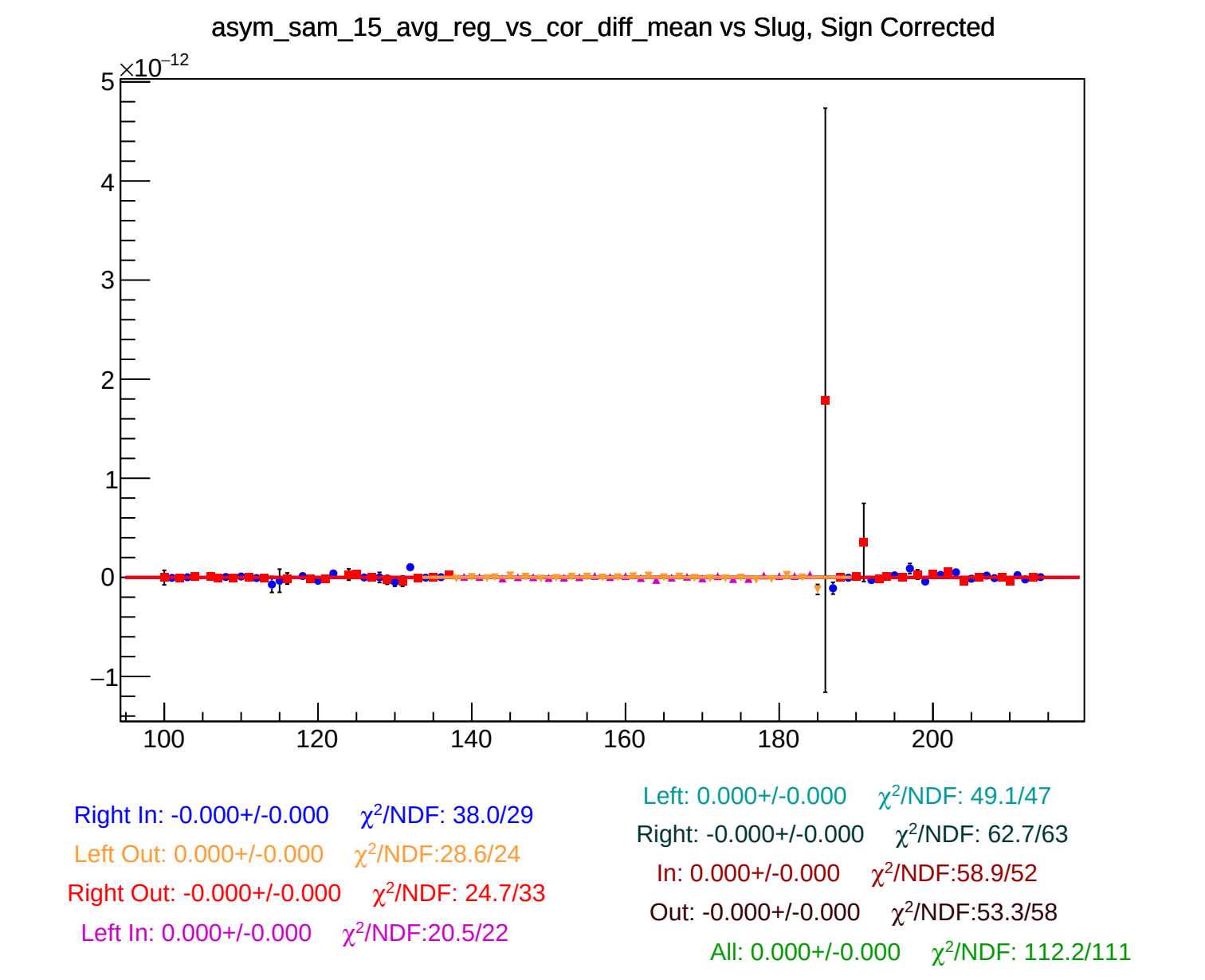
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

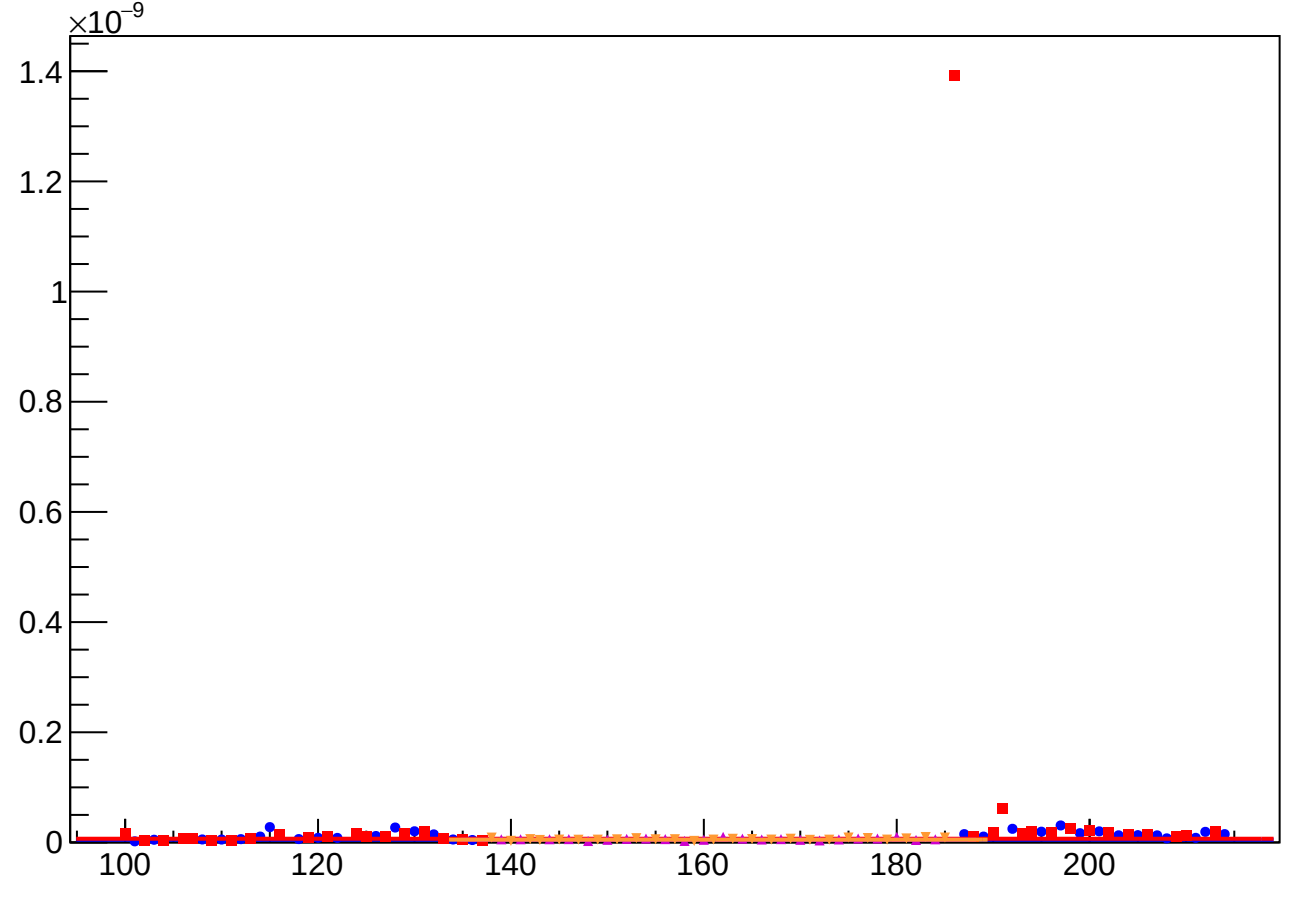
Right: 177.927+/-0.025 χ^2/NDF: 22269742.1/63

In: 223.260+/-0.030 χ^2/NDF:17755949.9/52

Out: 224.526+/-0.029 χ^2/NDF:17746815.4/58

All: 223.909+/-0.021 χ^2/NDF: 35503666.6/11


asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 38.0/29
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.7/33
Left In: 0.000+/-0.000 χ²/NDF:20.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.1/47
Right: -0.000+/-0.000 χ²/NDF: 62.7/63
In: 0.000+/-0.000 χ²/NDF:58.9/52
Out: -0.000+/-0.000 χ²/NDF:53.3/58
All: 0.000+/-0.000 χ²/NDF: 112.2/111



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

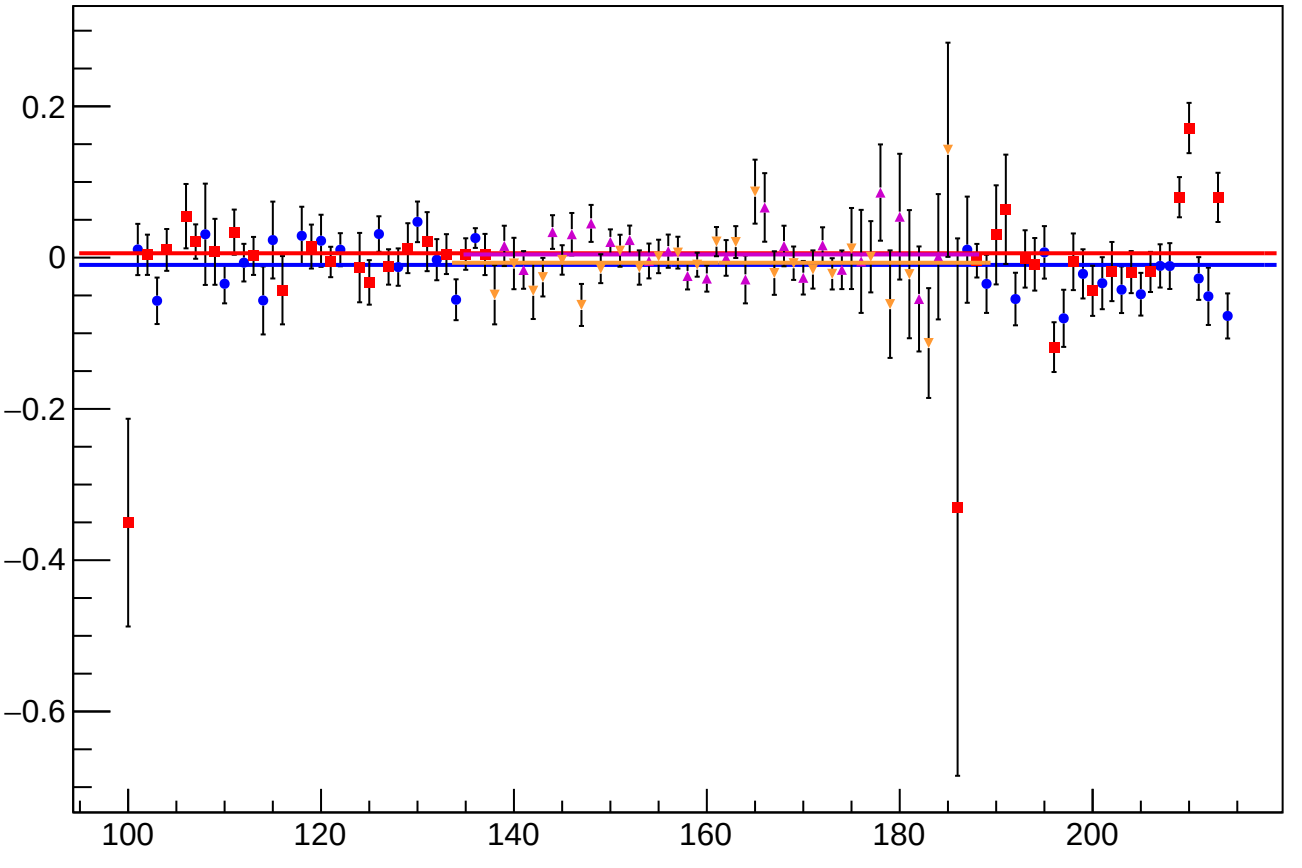
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 13138710.9/63

In: 0.000+/-0.000 χ^2/NDF:8239125.3/52

Out: 0.000+/-0.000 χ^2/NDF:7438410.7/58

All: 0.000+/-0.000 χ^2/NDF: 15821941.1/111



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

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

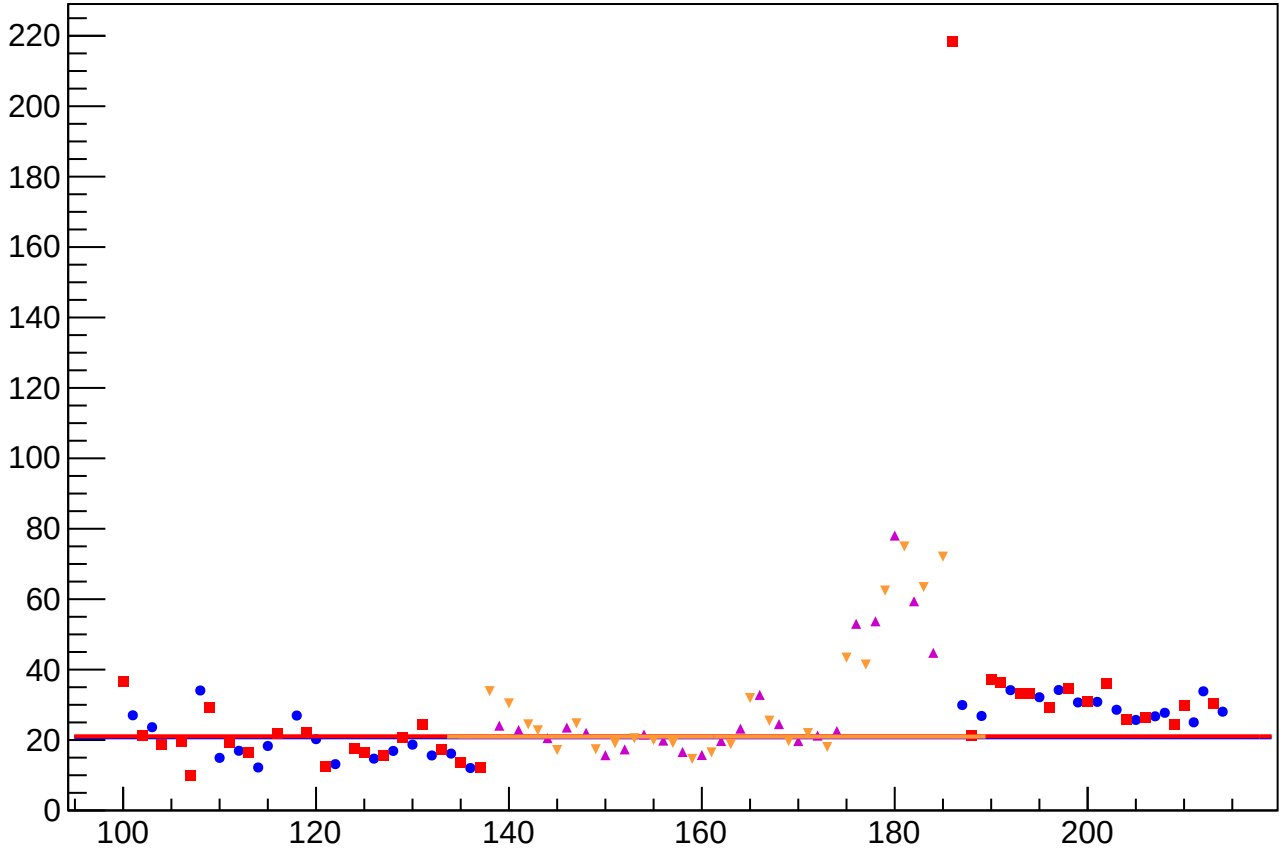
Right: -0.002+/-0.004 χ^2/NDF: 118.9/63

In: -0.003+/-0.004 χ^2/NDF:69.1/52

Out: -0.001+/-0.004 χ^2/NDF:96.8/58

All: -0.002+/-0.003 χ^2/NDF: 166.1/111

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

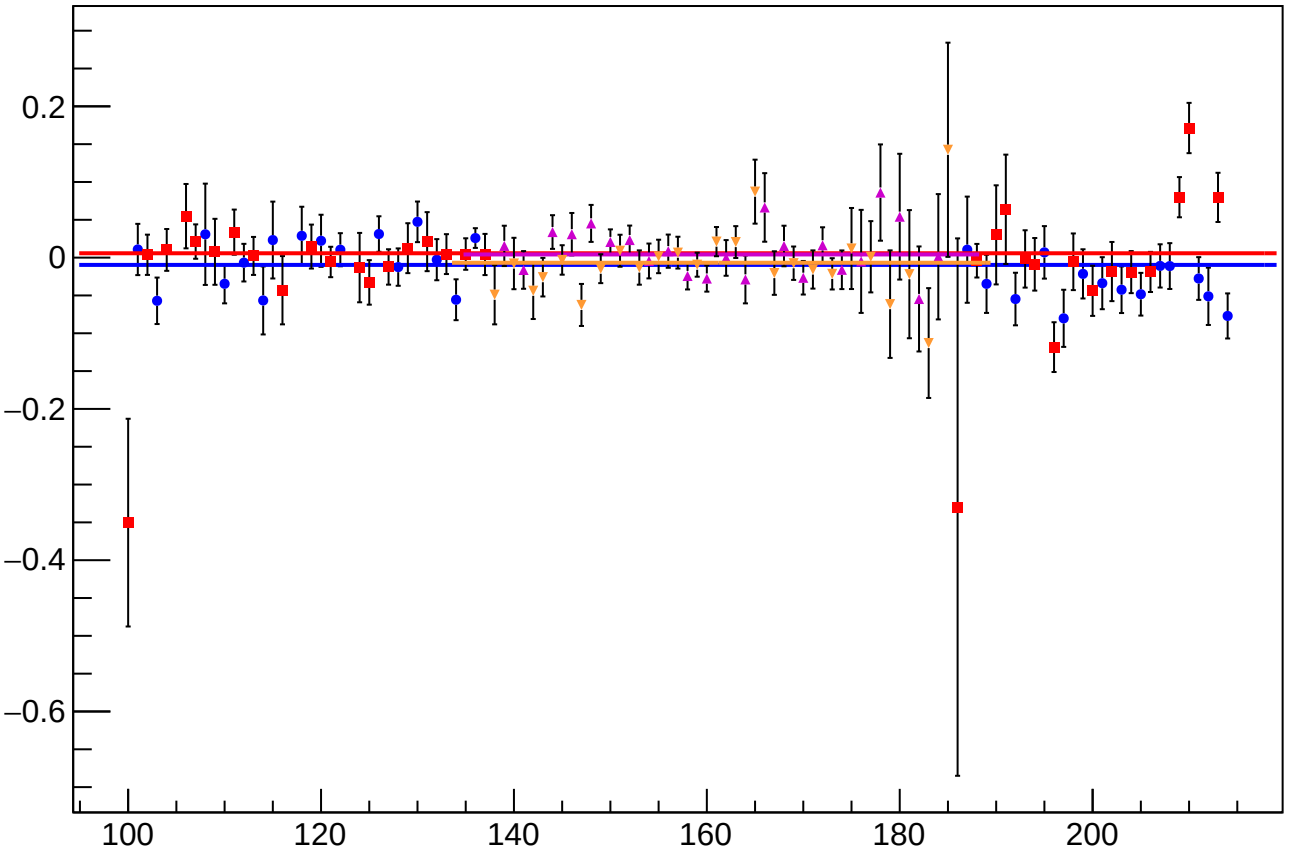
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 20.921+/-0.003 χ^2/NDF: 8213934.5/63

In: 20.820+/-0.003 χ^2/NDF:7433119.2/52

Out: 21.024+/-0.003 χ^2/NDF:8780175.1/58

All: 20.923+/-0.002 χ^2/NDF: 16216290.7/111



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

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

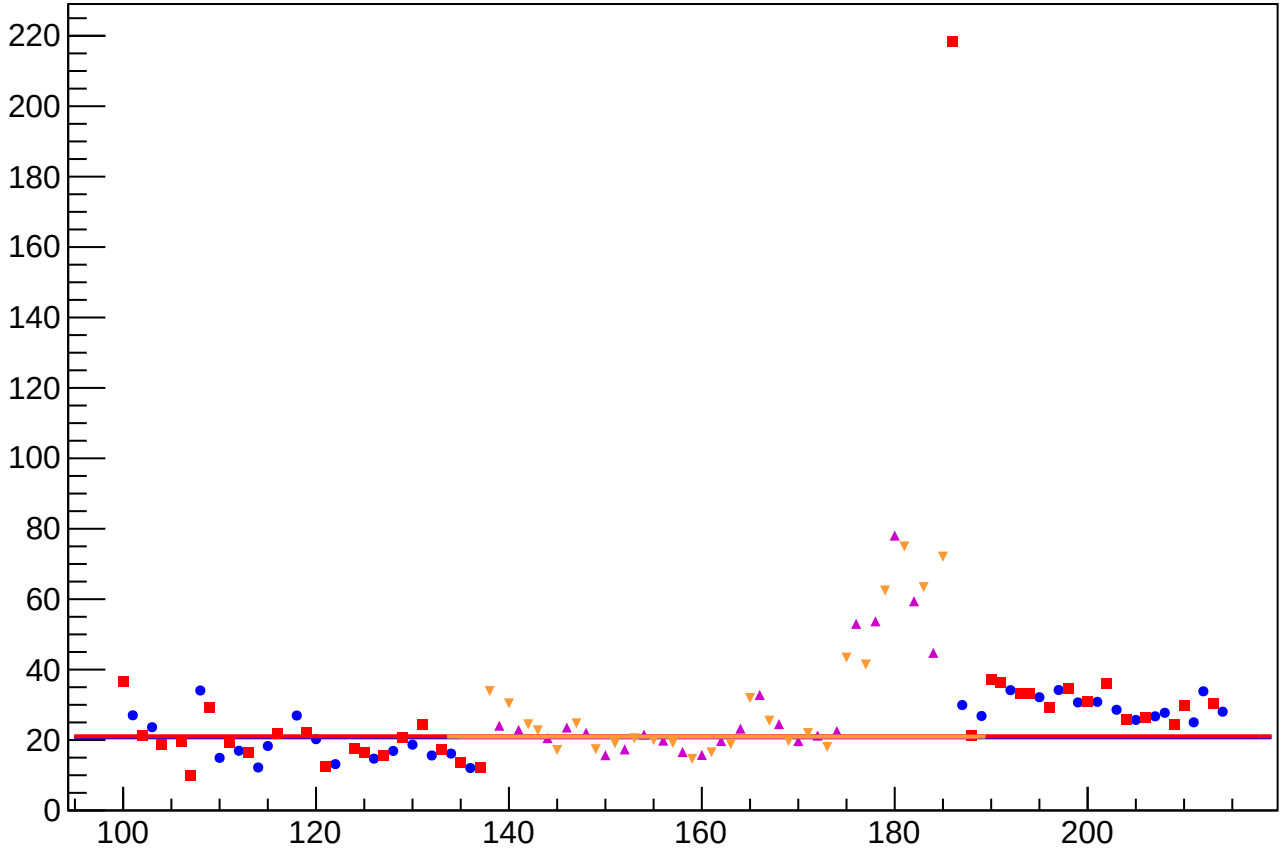
Right: -0.002+/-0.004 χ^2/NDF: 118.9/63

In: -0.003+/-0.004 χ^2/NDF:69.1/52

Out: -0.001+/-0.004 χ^2/NDF:96.8/58

All: -0.002+/-0.003 χ^2/NDF: 166.1/111

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

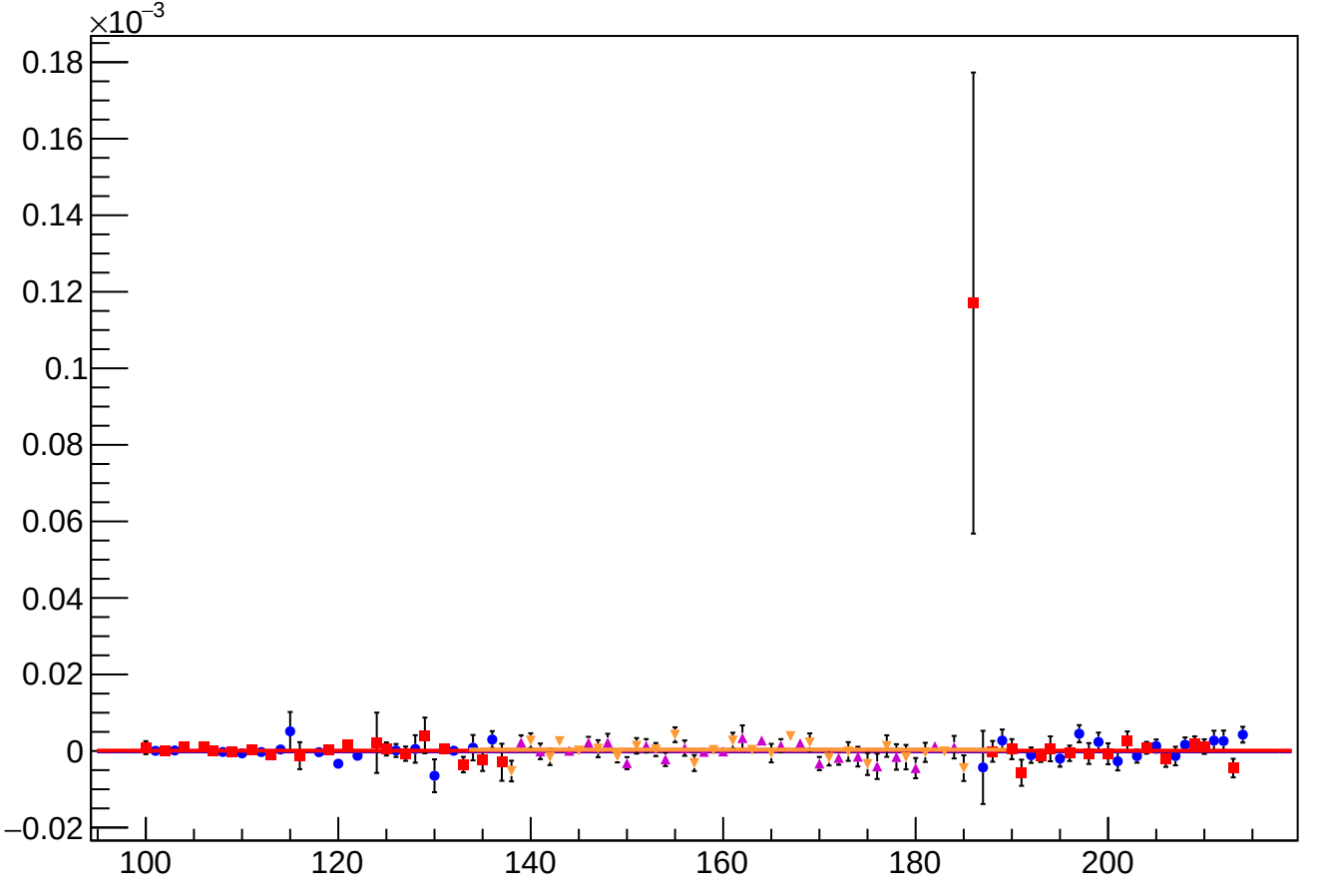
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 20.921+/-0.003 χ^2/NDF: 8213934.5/63

In: 20.820+/-0.003 χ^2/NDF:7433119.2/52

Out: 21.024+/-0.003 χ^2/NDF:8780175.1/58

All: 20.923+/-0.002 χ^2/NDF: 16216290.7/111



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

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

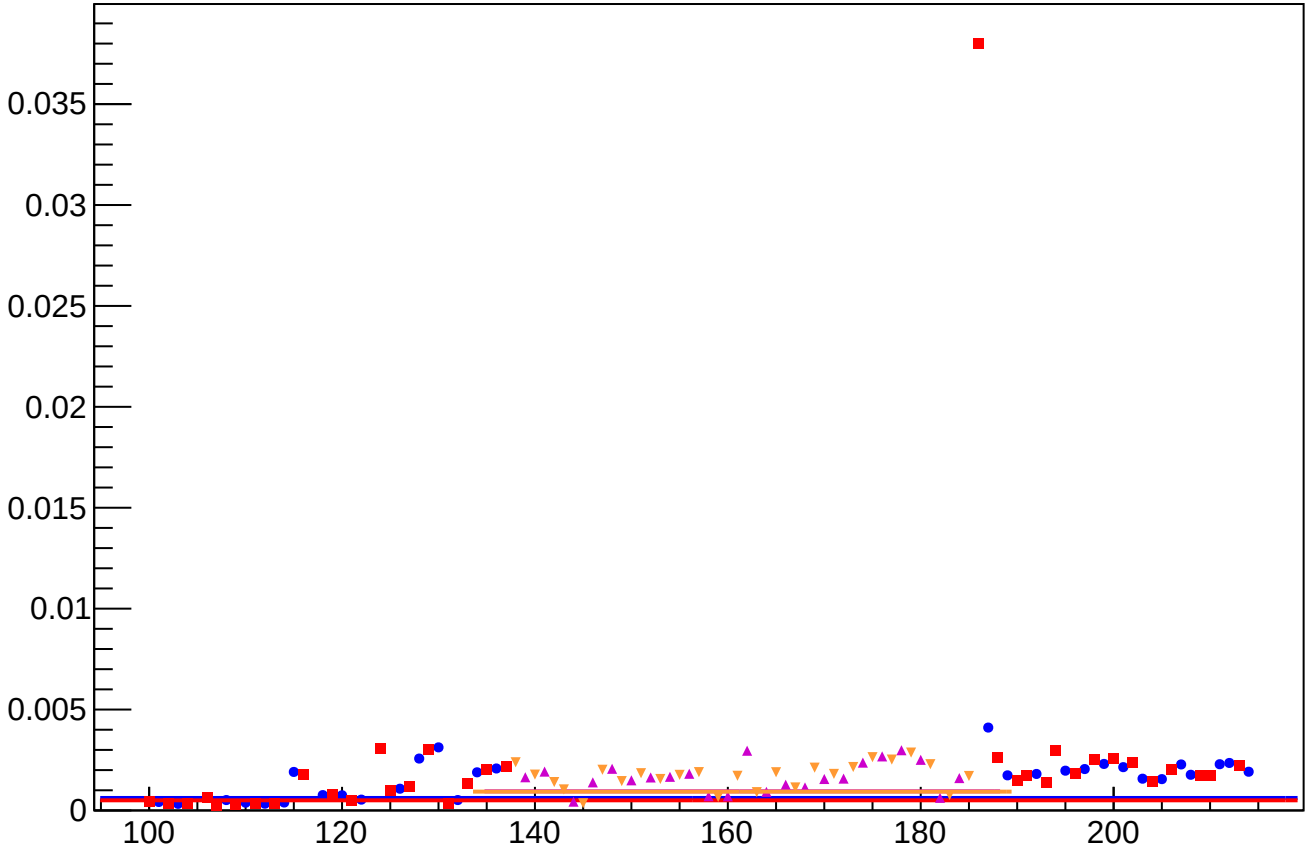
Right: 0.000+/-0.000 χ^2/NDF: 67.8/63

In: 0.000+/-0.000 χ^2/NDF:65.1/52

Out: 0.000+/-0.000 χ^2/NDF:70.1/58

All: 0.000+/-0.000 χ^2/NDF: 135.6/111

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

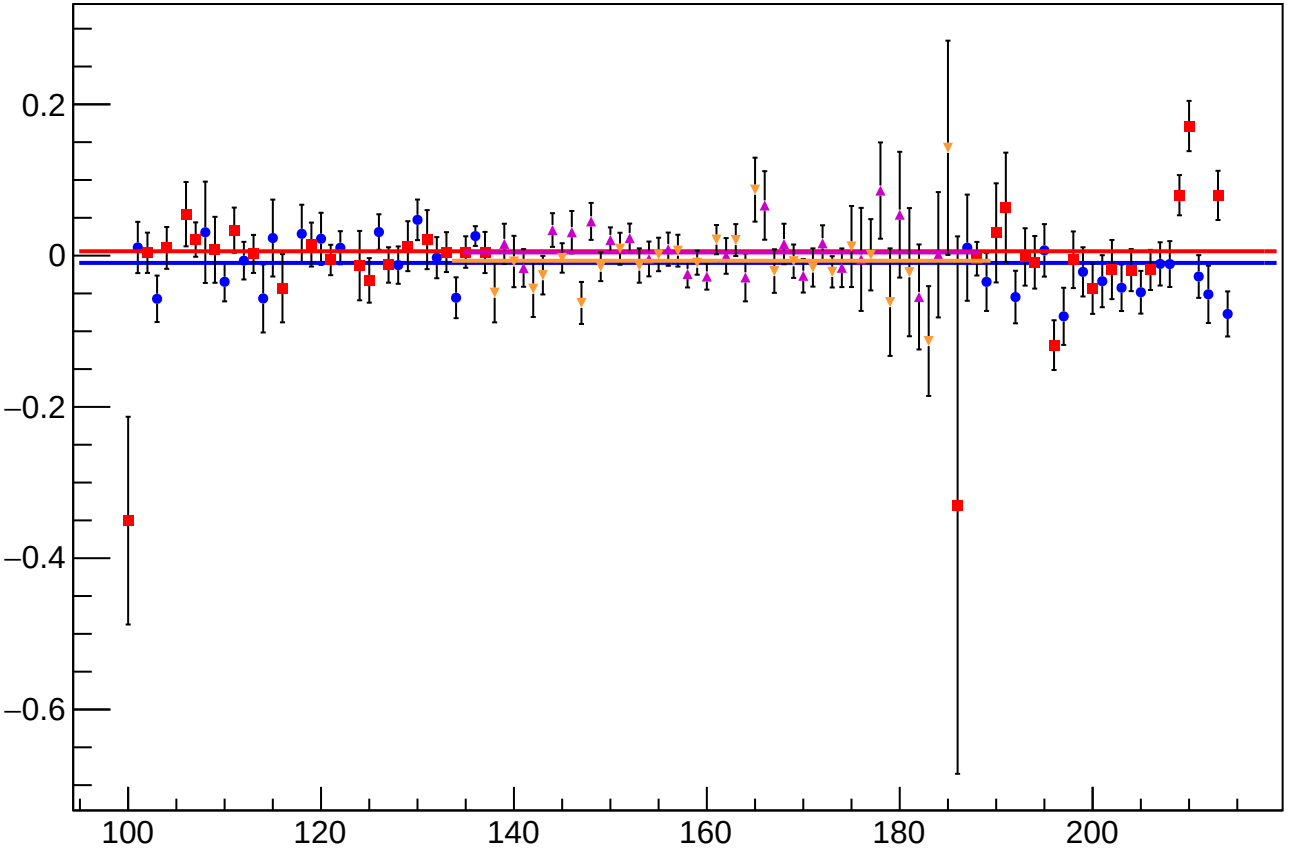
Right: 0.001+/-0.000 χ^2/NDF: 33434061.8/63

In: 0.001+/-0.000 χ^2/NDF:26572261.2/52

Out: 0.001+/-0.000 χ^2/NDF:33800724.3/58

All: 0.001+/-0.000 χ^2/NDF: 60918646.8/111

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

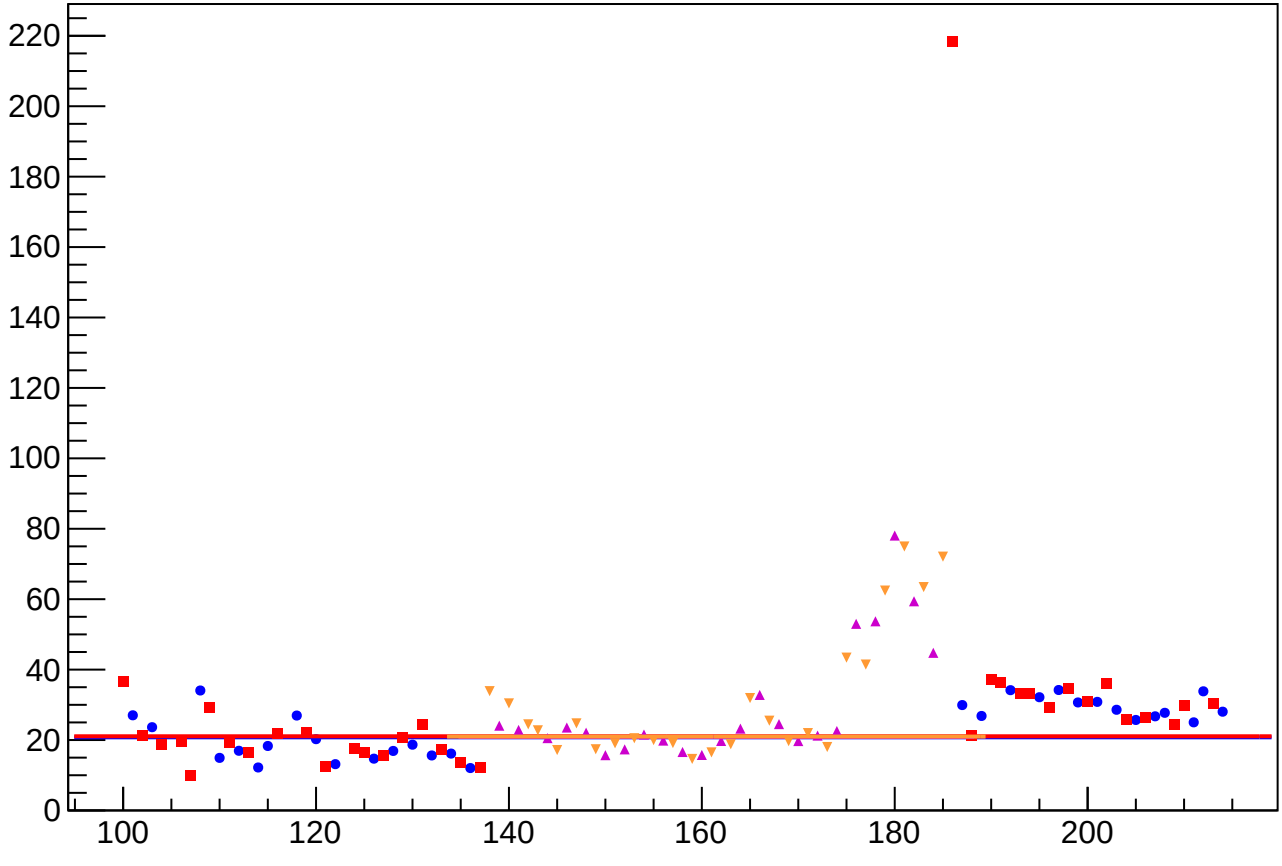
Right: -0.002+/-0.004 χ^2/NDF: 118.9/63

In: -0.003+/-0.004 χ^2/NDF:69.1/52

Out: -0.001+/-0.004 χ^2/NDF:96.8/58

All: -0.002+/-0.003 χ^2/NDF: 166.1/111

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

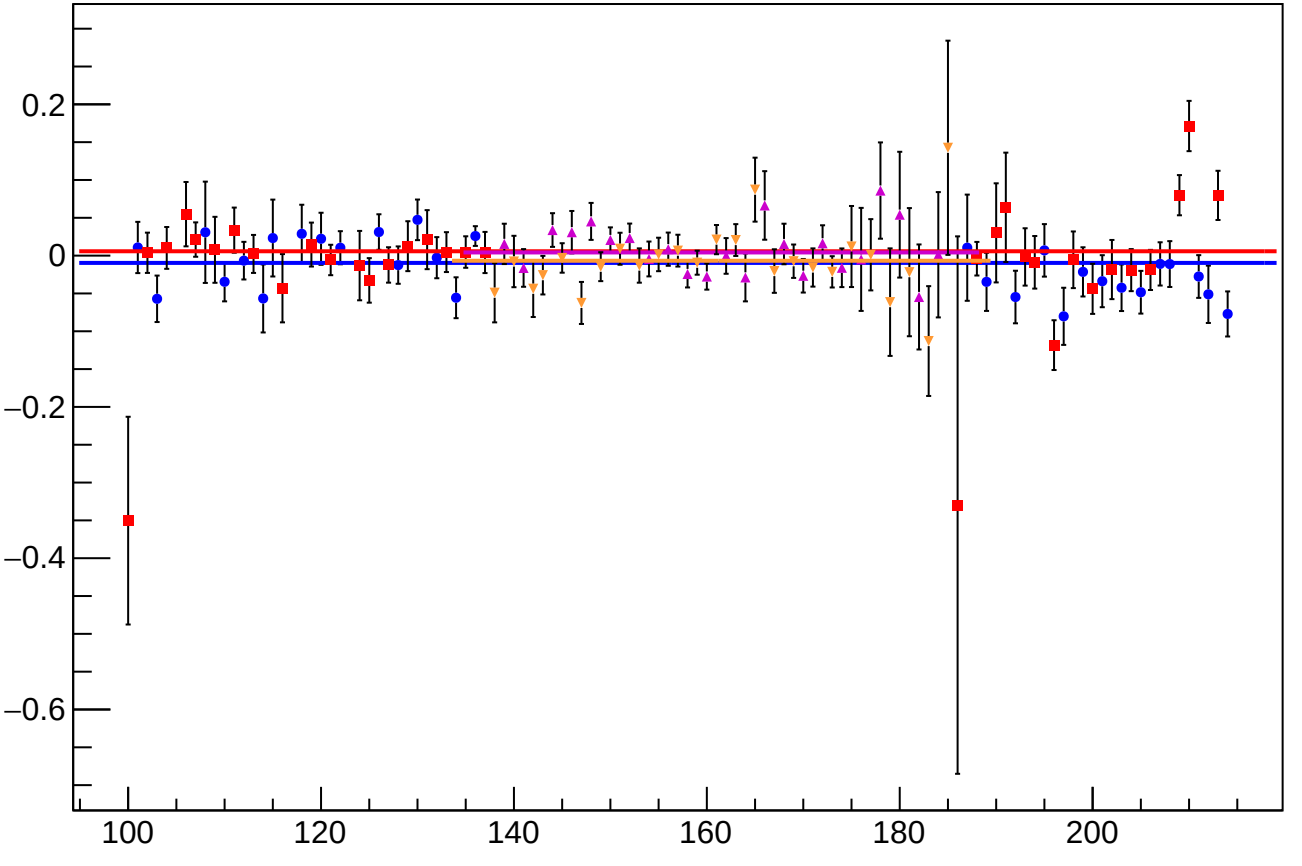
Right: 20.921+/-0.003 χ^2/NDF: 8213937.1/63

In: 20.820+/-0.003 χ^2/NDF:7433162.9/52

Out: 21.024+/-0.003 χ^2/NDF:8780153.7/58

All: 20.923+/-0.002 χ^2/NDF: 16216313.0/111

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

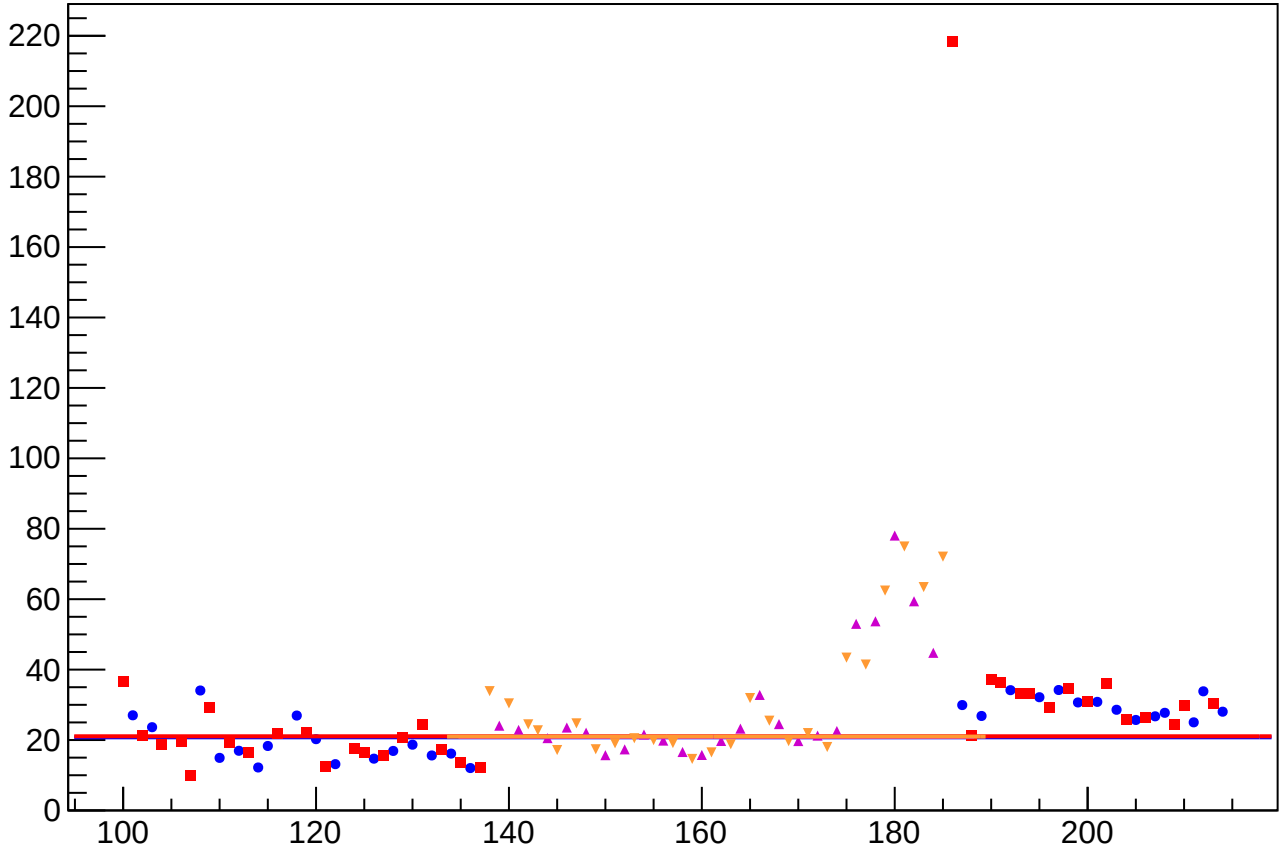
Right: -0.002+/-0.004 χ^2/NDF: 118.9/63

In: -0.003+/-0.004 χ^2/NDF:69.1/52

Out: -0.001+/-0.004 χ^2/NDF:96.8/58

All: -0.002+/-0.003 χ^2/NDF: 166.1/111

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

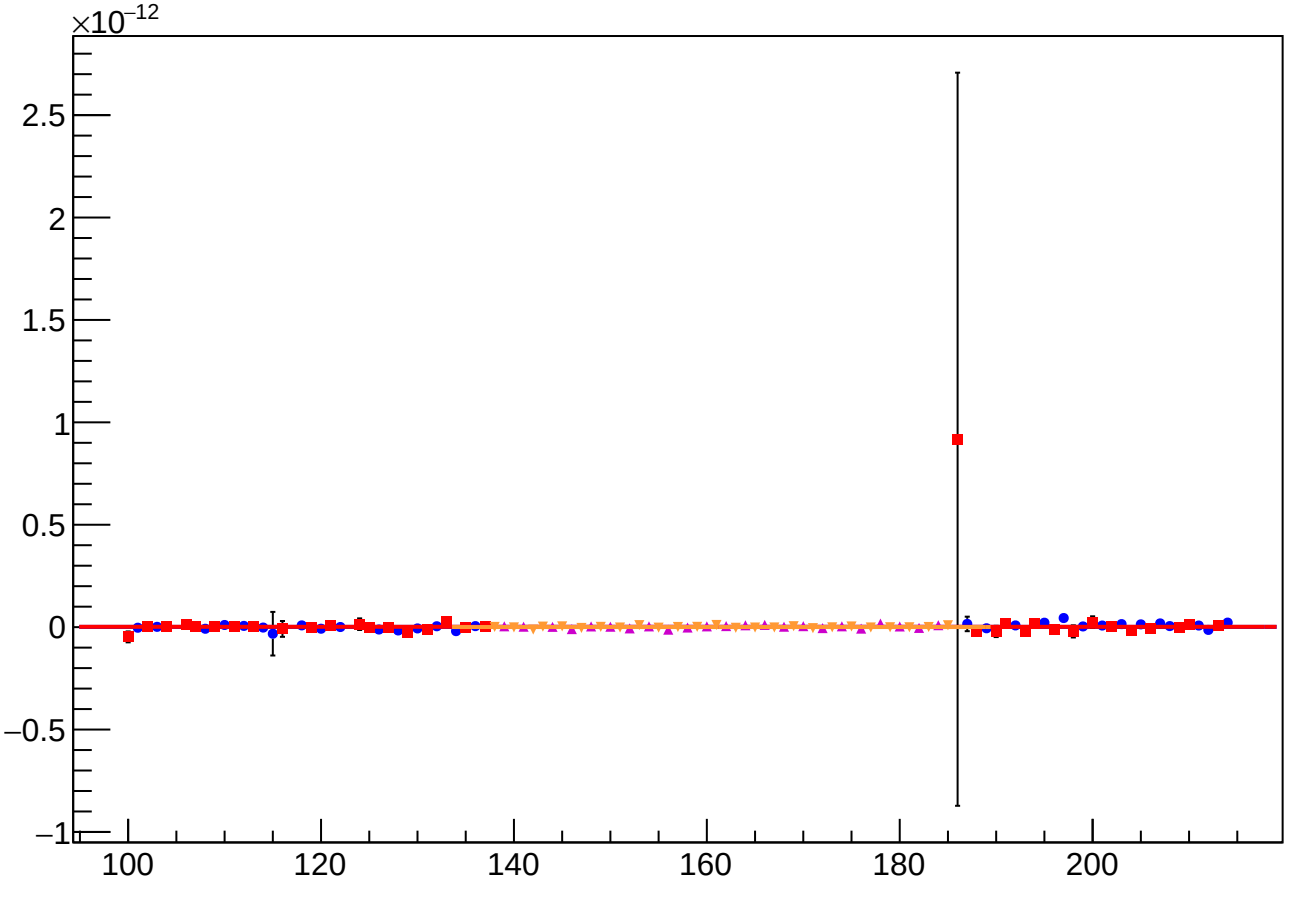
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 20.921+/-0.003 χ^2/NDF: 8213937.1/63

In: 20.820+/-0.003 χ^2/NDF:7433162.9/52

Out: 21.024+/-0.003 χ^2/NDF:8780153.7/58

All: 20.923+/-0.002 χ^2/NDF: 16216313.0/111



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

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

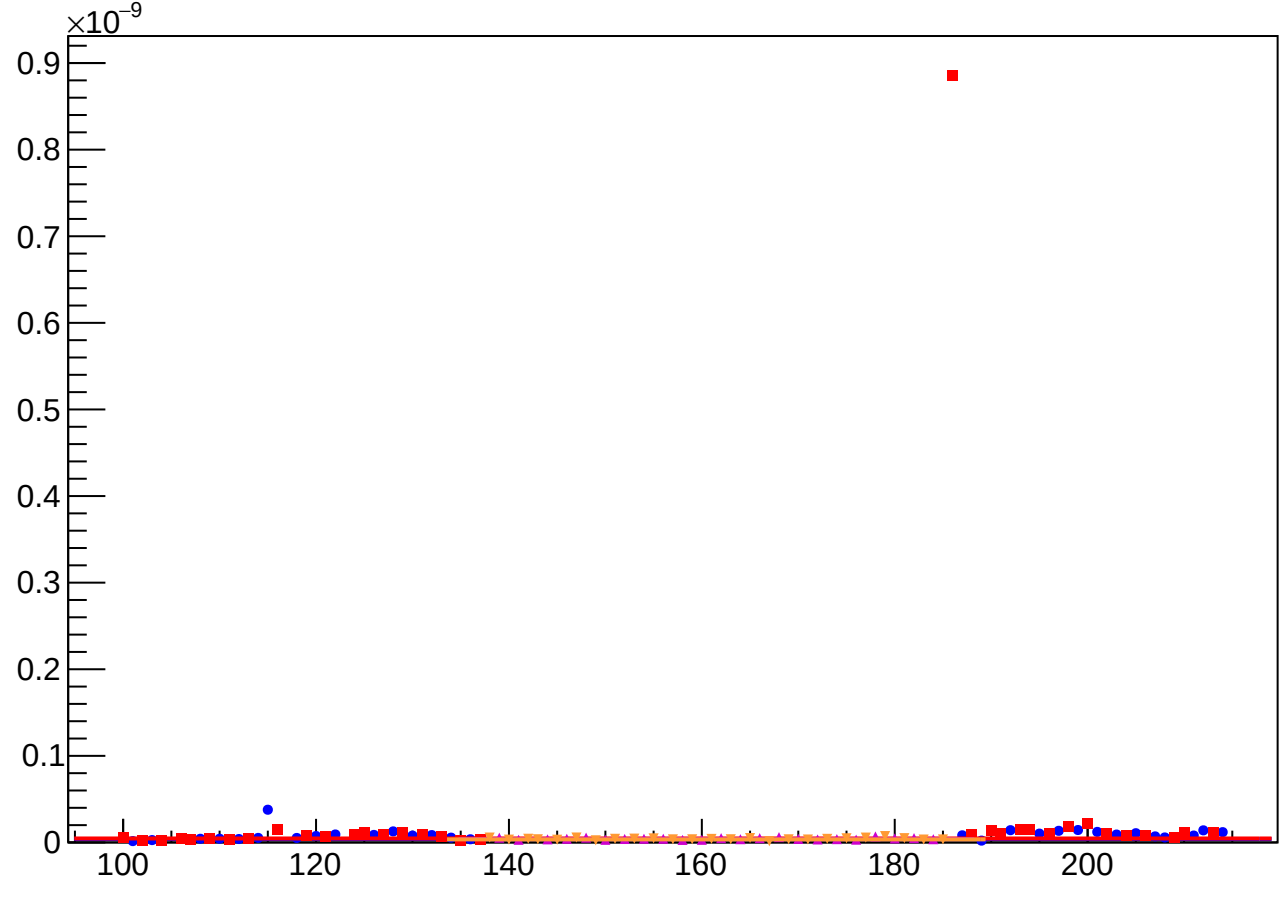
Right: 0.000+/-0.000 χ^2/NDF: 55.2/63

In: 0.000+/-0.000 χ^2/NDF:54.8/52

Out: 0.000+/-0.000 χ^2/NDF:41.8/58

All: 0.000+/-0.000 χ^2/NDF: 96.7/111

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

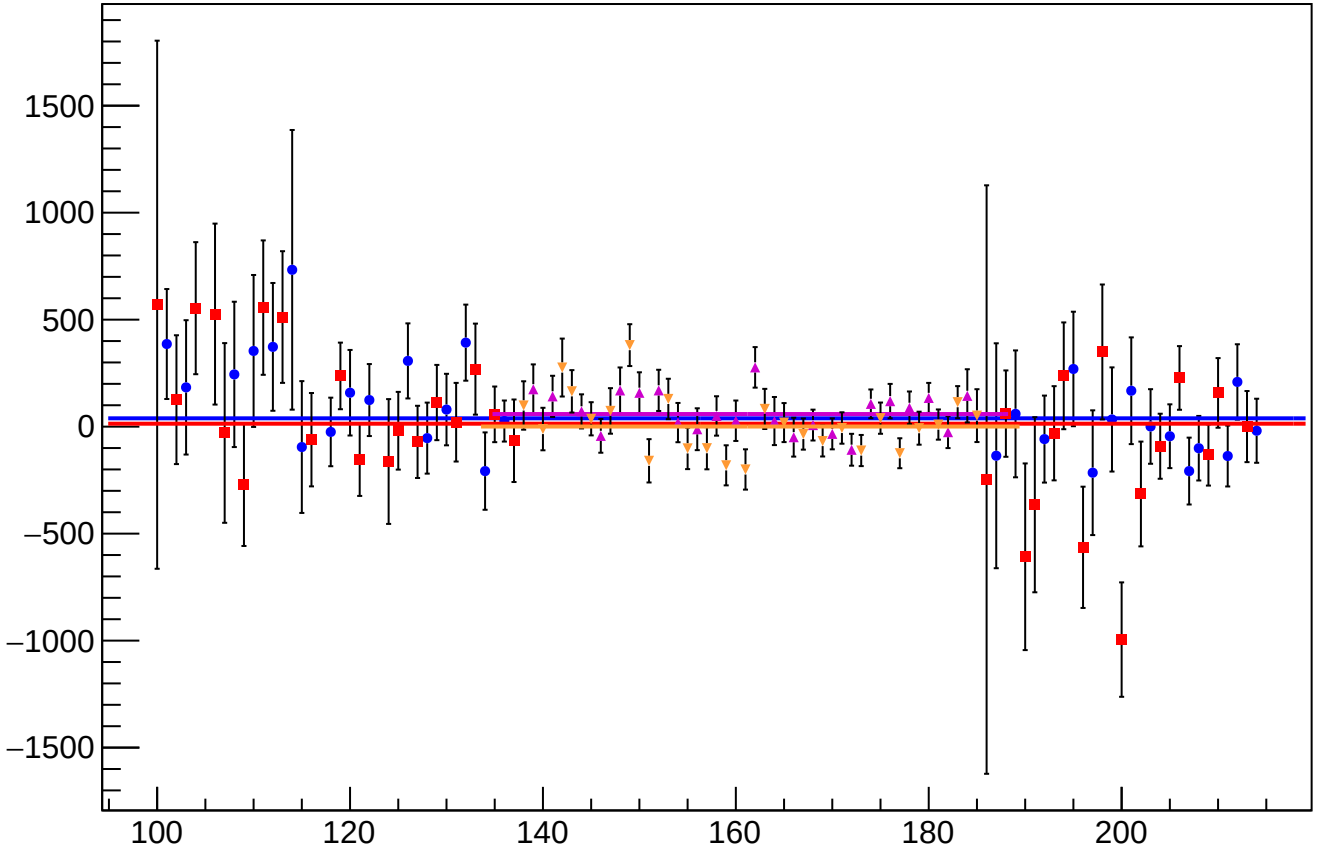
Right: 0.000+/-0.000 χ^2/NDF: 17184032.0/63

In: 0.000+/-0.000 χ^2/NDF:9735214.5/52

Out: 0.000+/-0.000 χ^2/NDF:11583665.4/58

All: 0.000+/-0.000 χ^2/NDF: 21323728.3/111

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

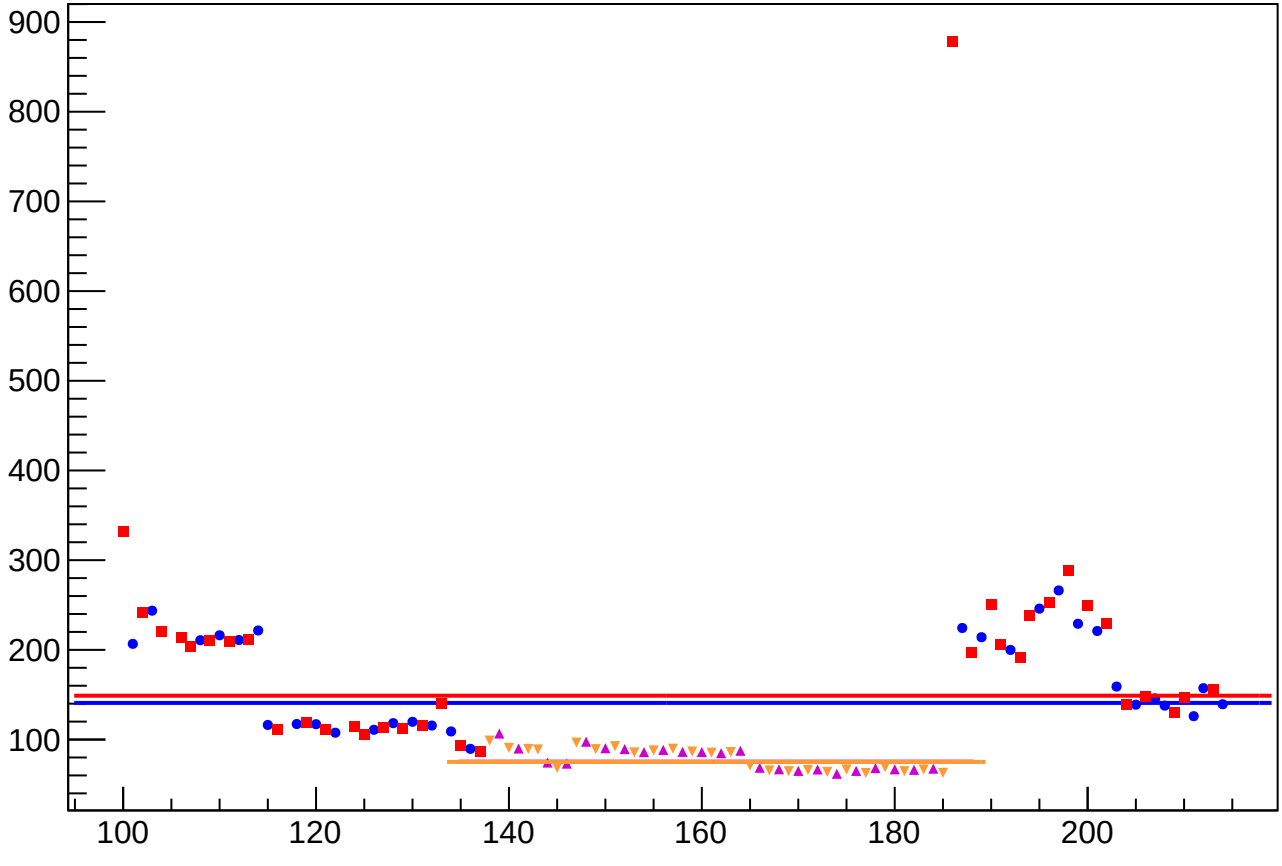
Right: 26.946+/-25.187 χ^2/NDF: 70.6/63

In: 54.717+/-15.899 χ^2/NDF:49.6/52

Out: 3.008+/-15.651 χ^2/NDF:95.6/58

All: 28.457+/-11.154 χ^2/NDF: 150.6/111

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



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

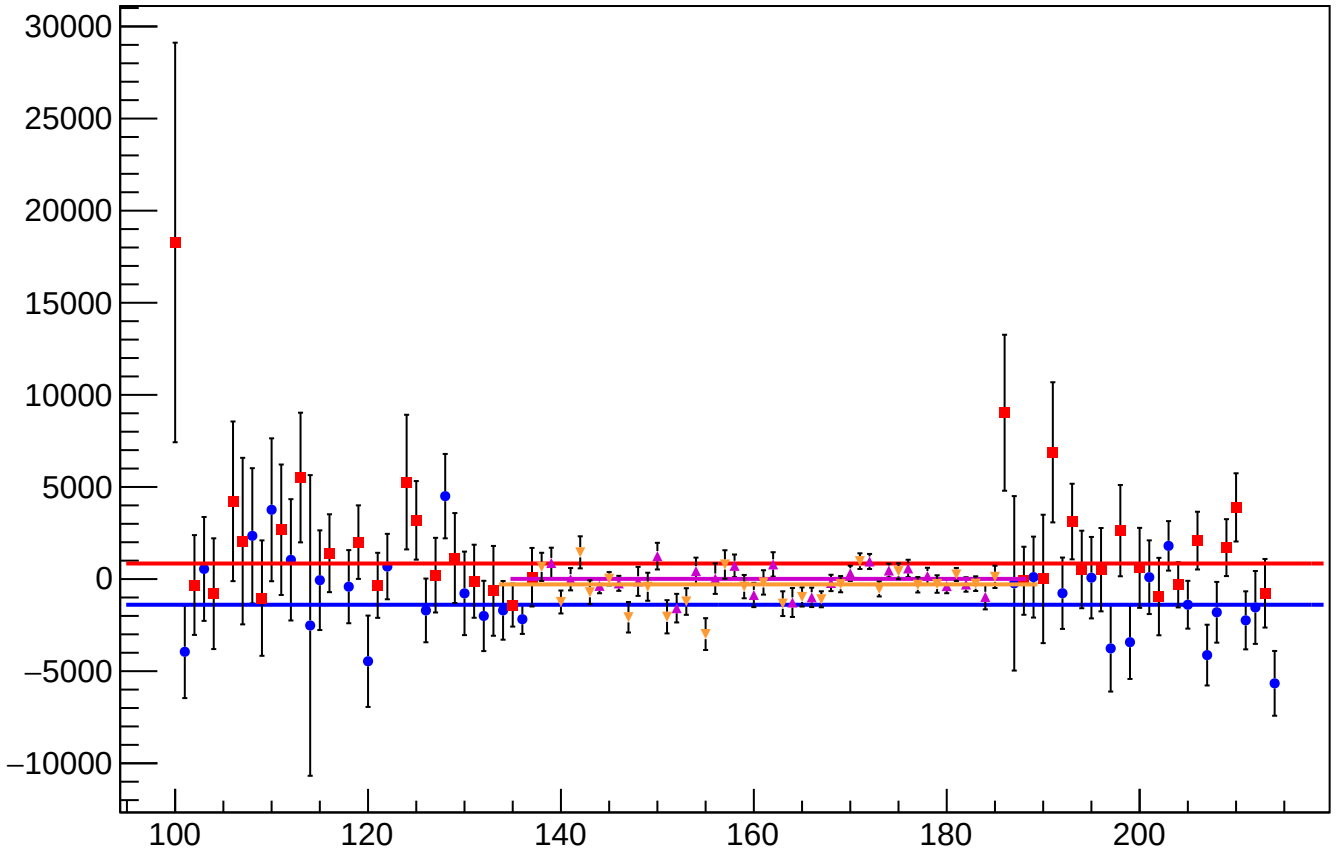
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 144.670+/-0.018 χ^2/NDF: 7456281.4/63

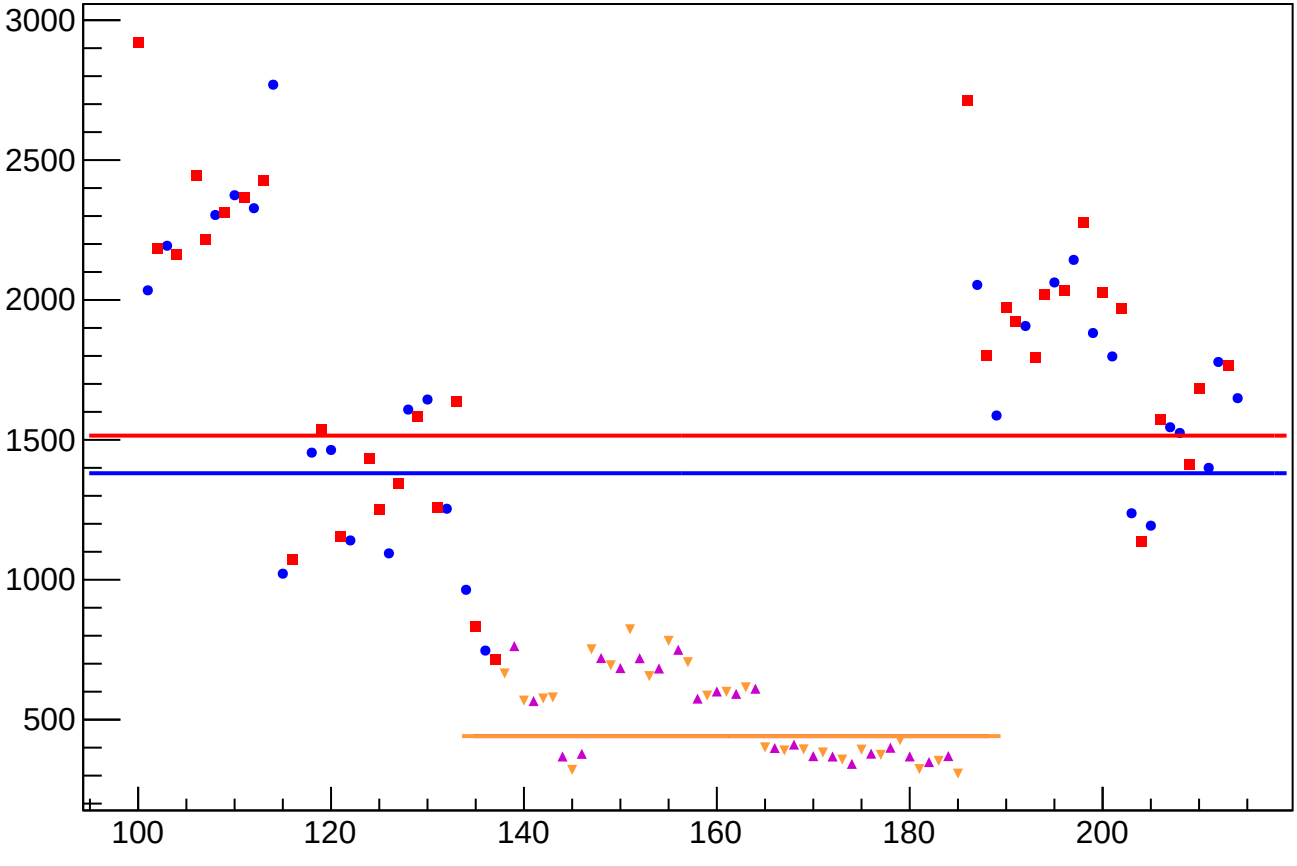
In: 89.057+/-0.011 χ^2/NDF:9630712.7/52

Out: 88.583+/-0.011 χ^2/NDF:11824757.1/58

All: 88.816+/-0.008 χ^2/NDF: 21456372.8/111


asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1393.955+/-340.386 χ²/NDF: 34.4/29
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 845.059+/-365.031 χ²/NDF: 28.7/33
Left In: 10.643+/-107.669 χ²/NDF:33.4/22
Left: -142.139+/-75.257 χ²/NDF: 90.6/47
Right: -352.579+/-248.946 χ²/NDF: 83.3/63
In: -117.112+/-102.656 χ²/NDF:83.3/52
Out: -201.135+/-101.114 χ²/NDF:90.9/58
All: -159.760+/-72.037 χ²/NDF: 174.6/111

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



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

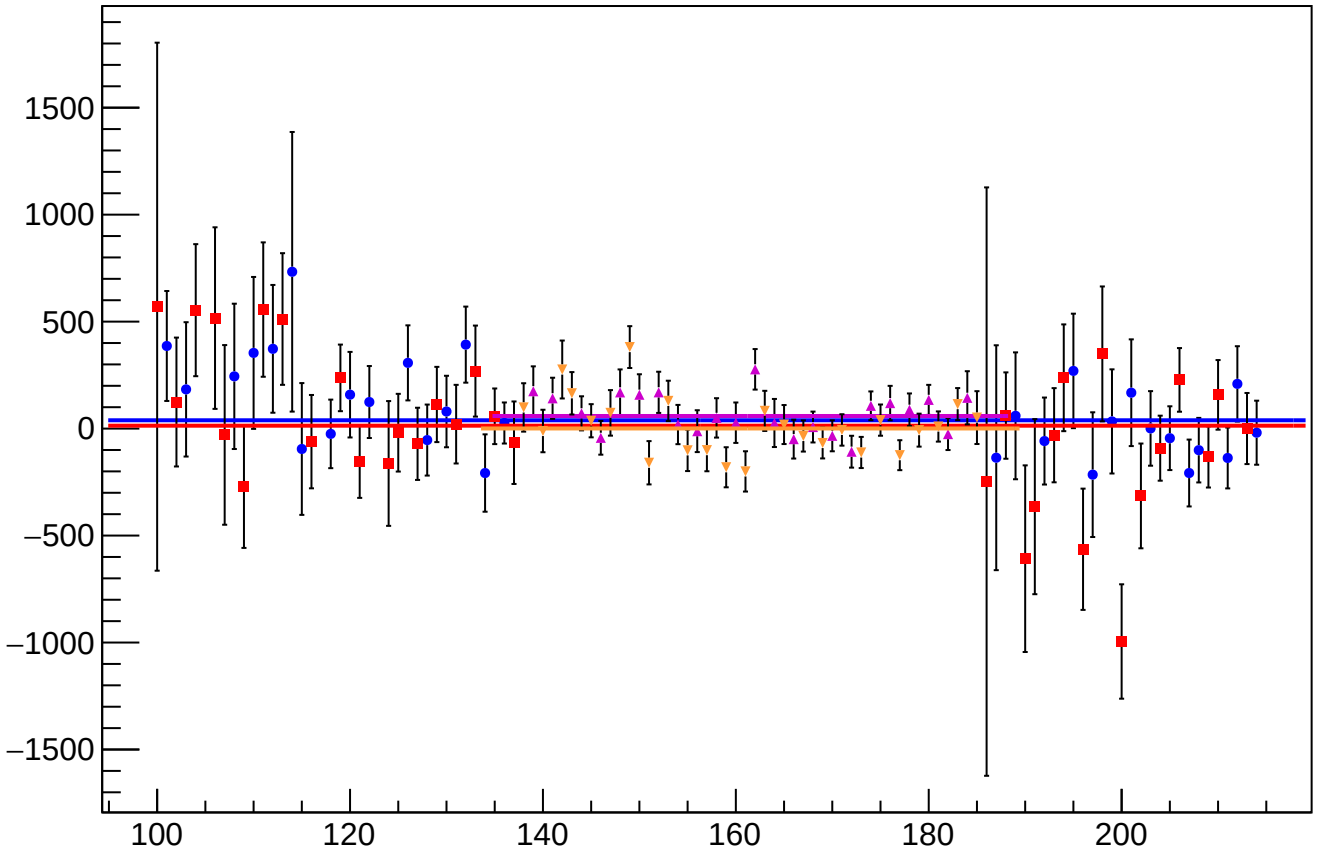
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1443.286+/-0.176 χ^2/NDF: 6946368.2/63

In: 526.655+/-0.073 χ^2/NDF:19951007.5/52

Out: 523.540+/-0.071 χ^2/NDF:22606130.6/58

All: 525.074+/-0.051 χ^2/NDF: 42558072.9/11



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

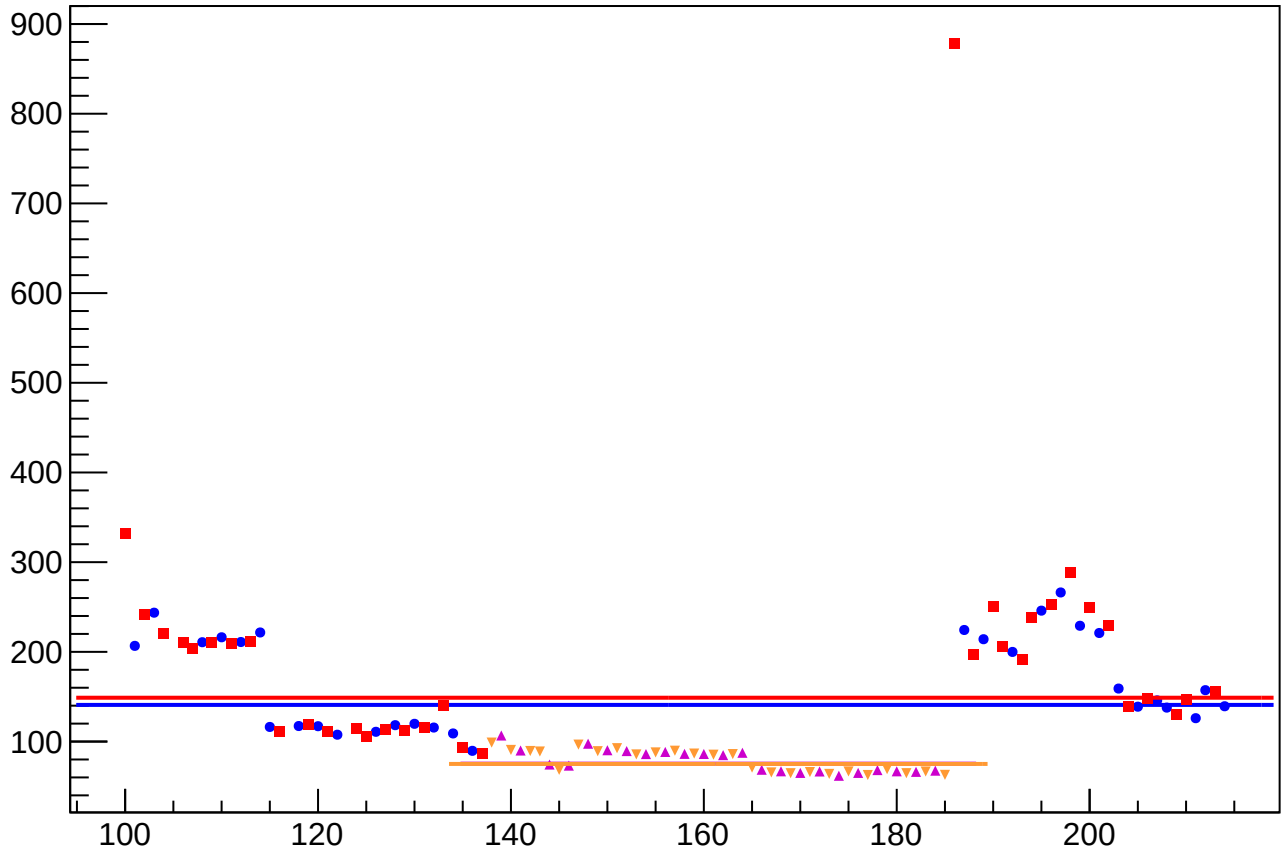
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 26.881+/-25.188 χ^2/NDF: 70.6/63

In: 54.713+/-15.899 χ^2/NDF:49.6/52

Out: 2.985+/-15.651 χ^2/NDF:95.5/58

All: 28.443+/-11.154 χ^2/NDF: 150.5/111



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

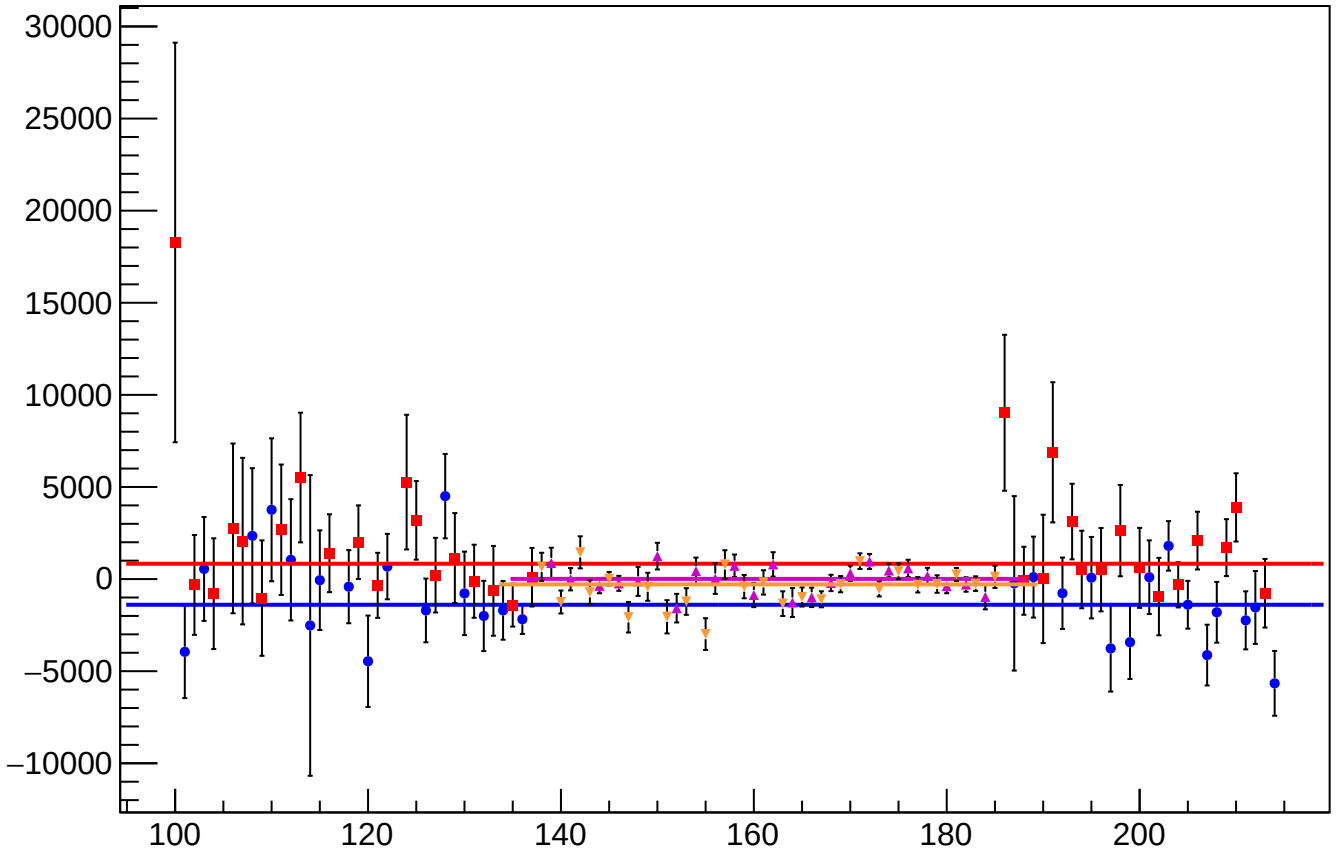
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 144.658+/-0.018 χ^2/NDF: 7451596.7/63

In: 89.057+/-0.011 χ^2/NDF:9630714.8/52

Out: 88.577+/-0.011 χ^2/NDF:11815340.5/58

All: 88.813+/-0.008 χ^2/NDF: 21446979.2/111



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

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

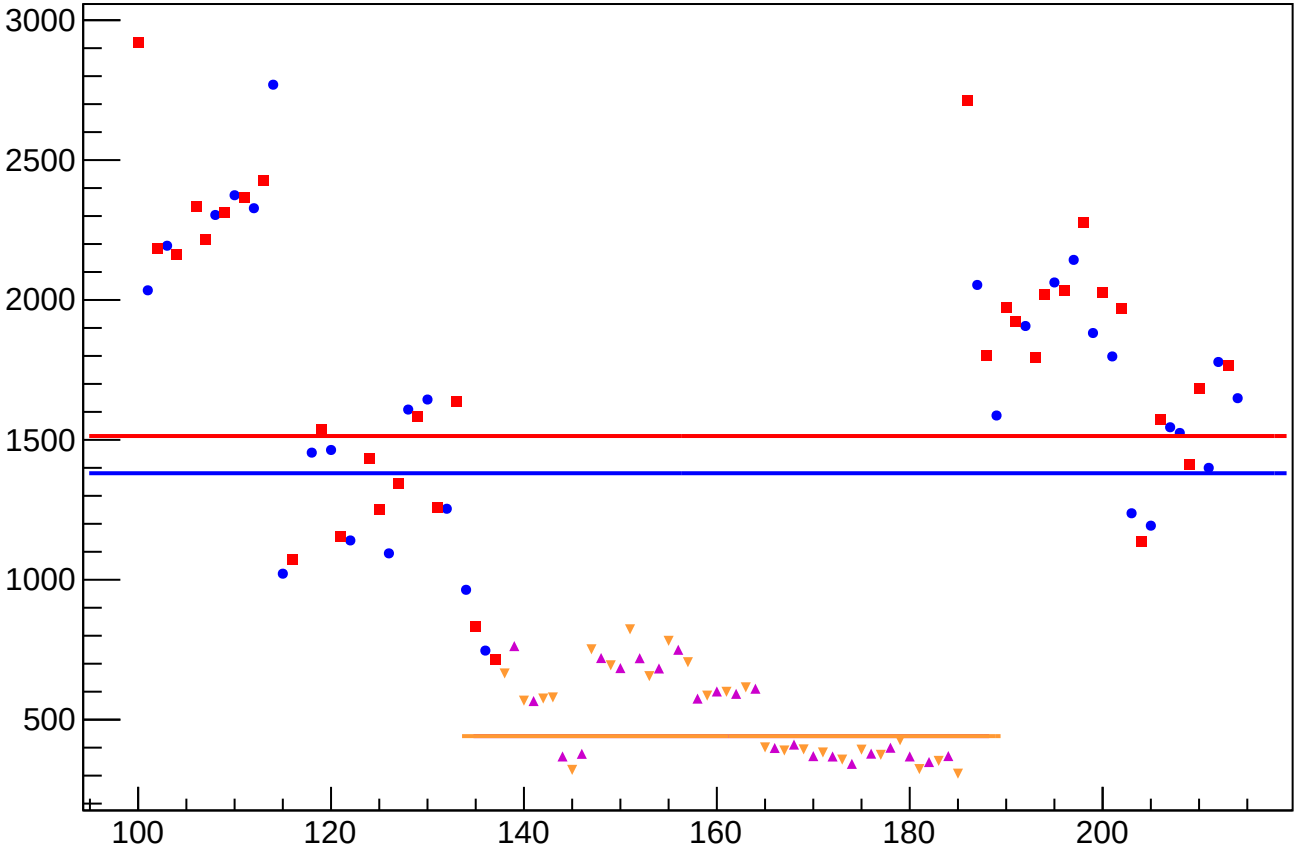
Right: -358.561+/-248.995 χ^2/NDF: 82.6/63

In: -117.111+/-102.656 χ^2/NDF:83.3/52

Out: -202.112+/-101.117 χ^2/NDF:90.3/58

All: -160.253+/-72.038 χ^2/NDF: 173.9/111

asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected



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

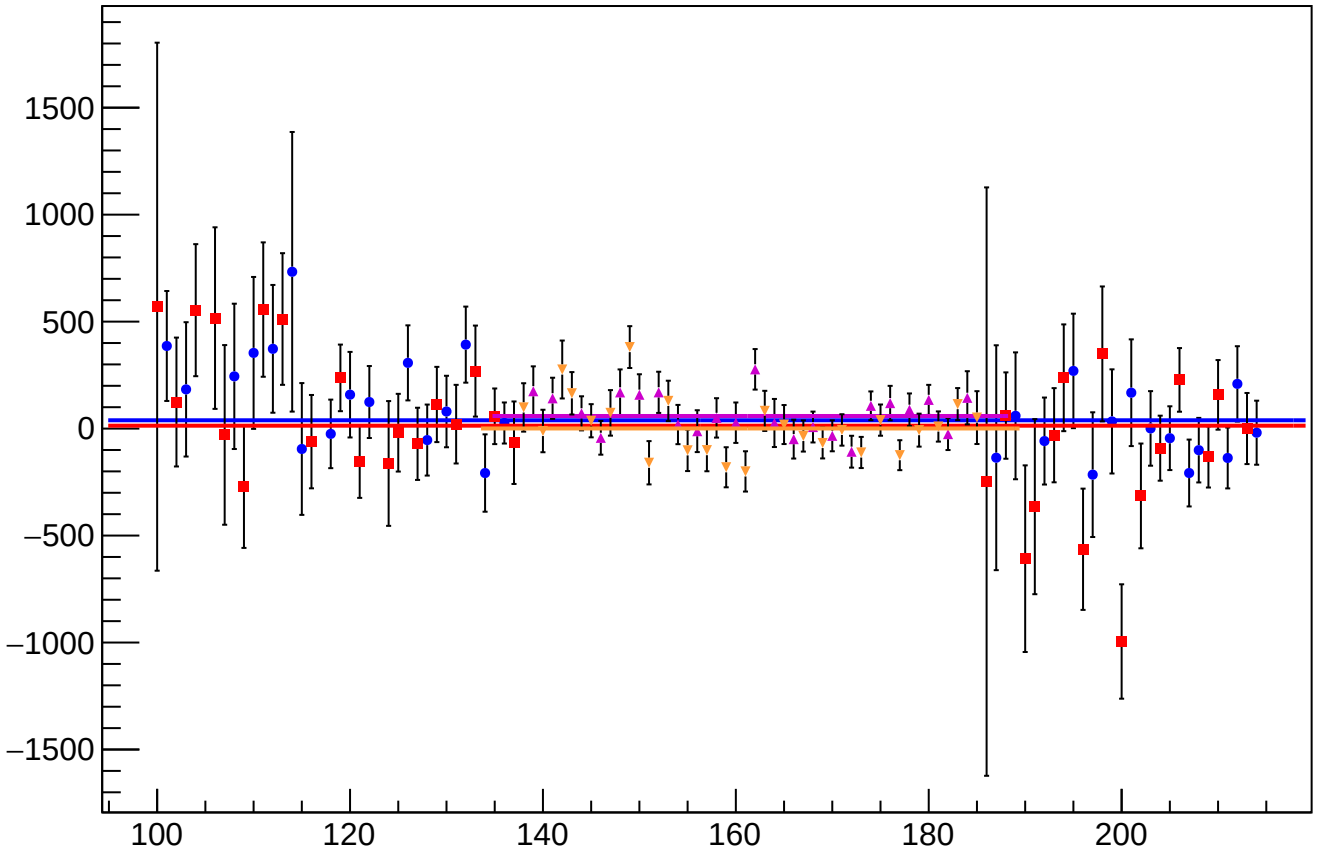
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1442.592+/-0.176 χ^2/NDF: 6914981.1/63

In: 526.655+/-0.073 χ^2/NDF:19951016.2/52

Out: 523.366+/-0.072 χ^2/NDF:22522841.4/58

All: 524.986+/-0.051 χ^2/NDF: 42474899.6/11



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

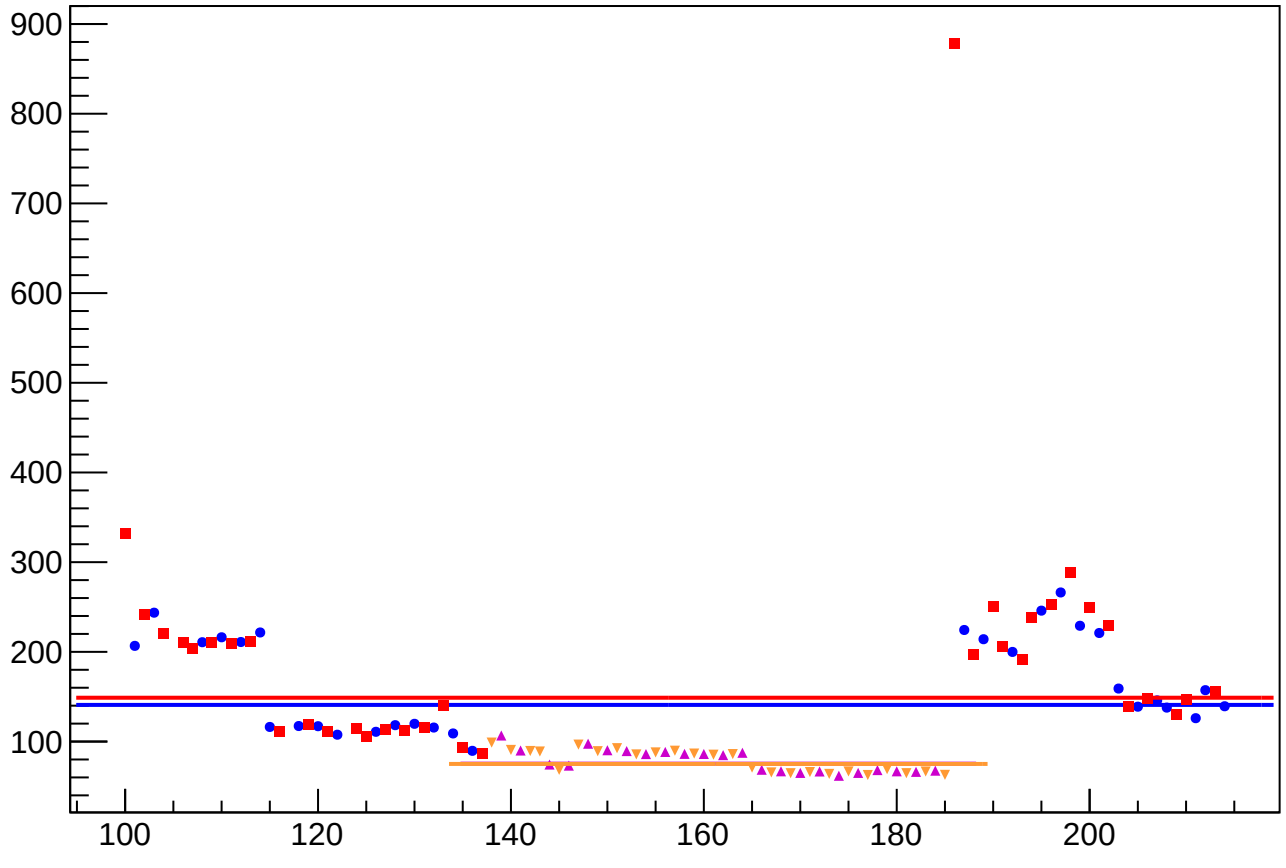
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 26.881+/-25.188 χ^2/NDF: 70.6/63

In: 54.713+/-15.899 χ^2/NDF:49.6/52

Out: 2.985+/-15.651 χ^2/NDF:95.5/58

All: 28.443+/-11.154 χ^2/NDF: 150.5/111



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

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

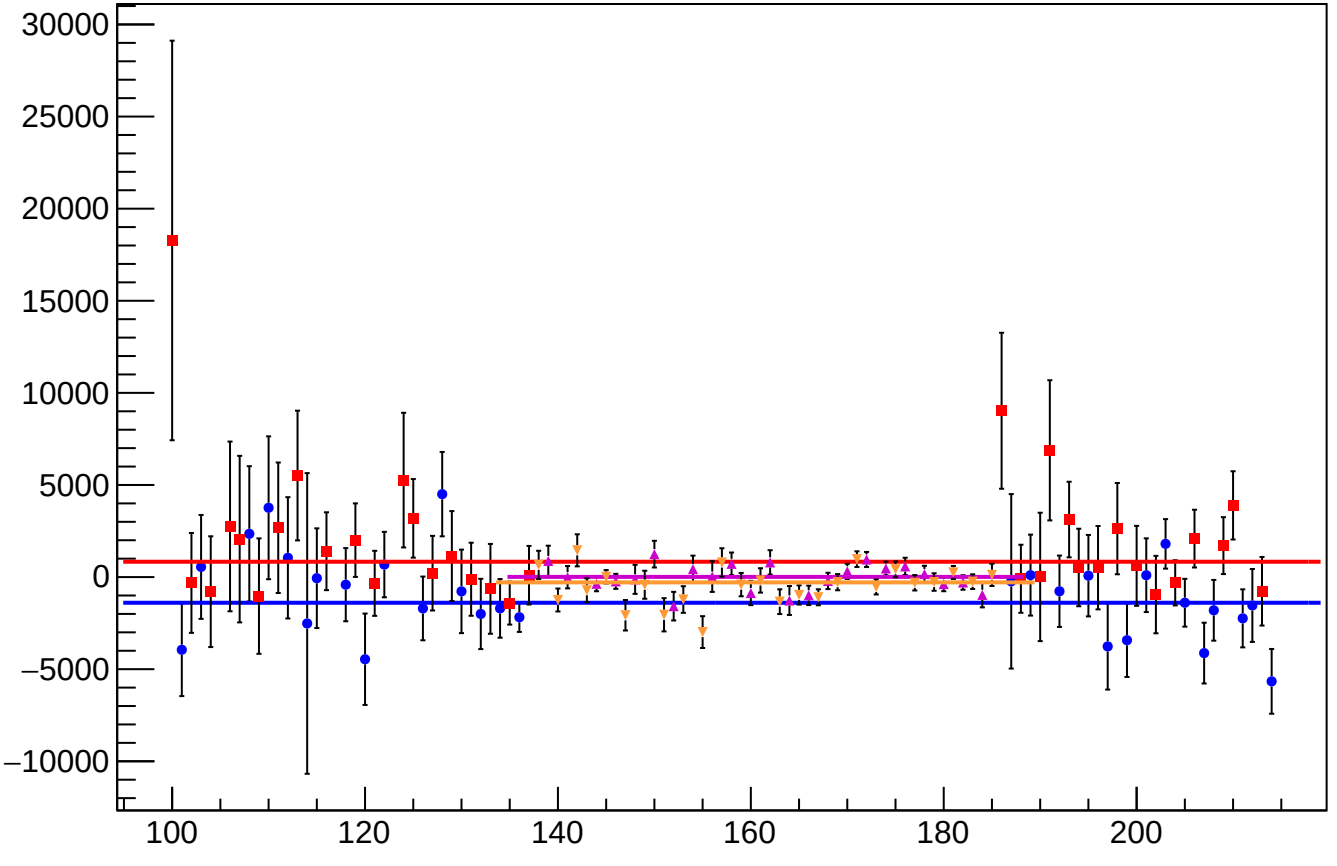
Right: 144.658+/-0.018 χ^2/NDF: 7451596.7/63

In: 89.057+/-0.011 χ^2/NDF:9630714.8/52

Out: 88.577+/-0.011 χ^2/NDF:11815340.5/58

All: 88.813+/-0.008 χ^2/NDF: 21446979.2/111

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

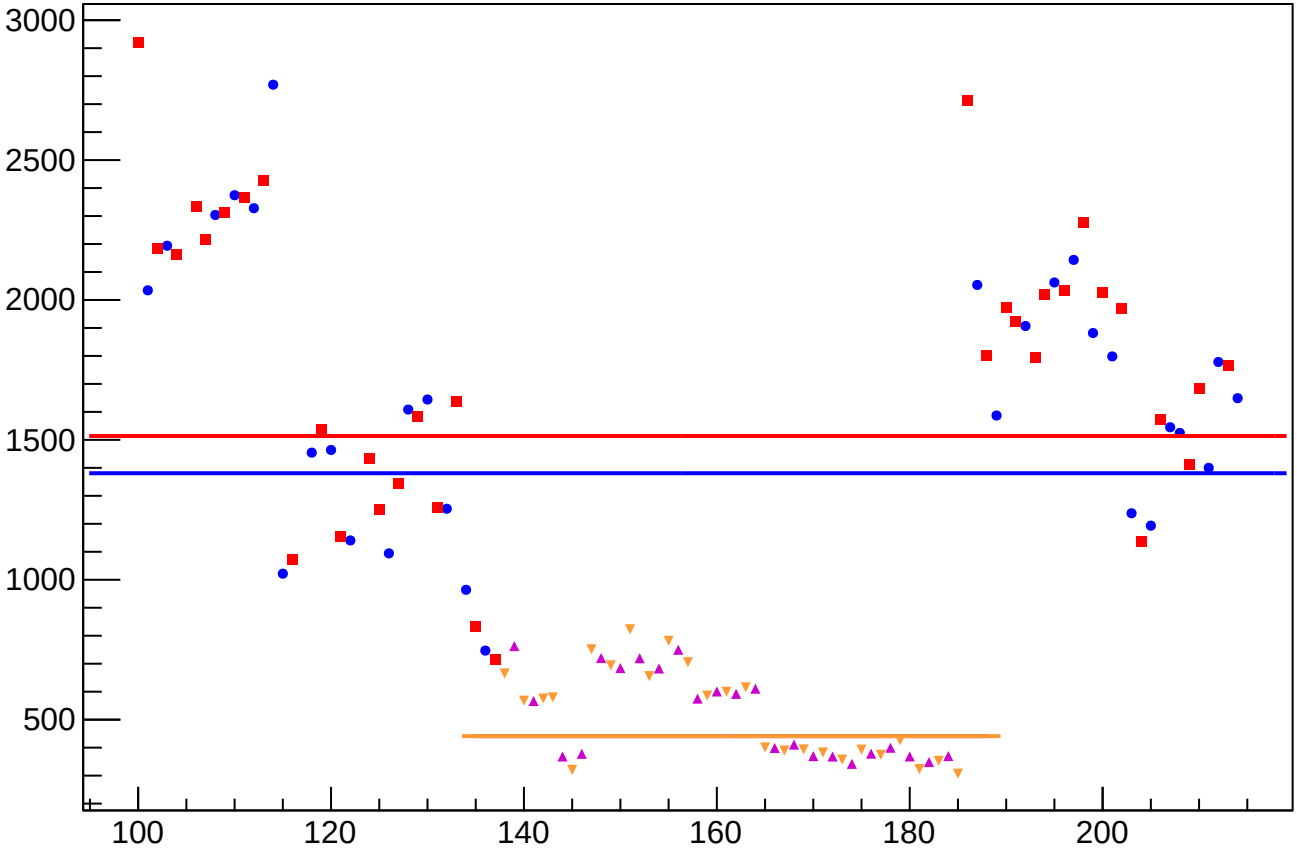
Right: -358.561+/-248.995 χ^2/NDF: 82.6/63

In: -117.111+/-102.656 χ^2/NDF:83.3/52

Out: -202.112+/-101.117 χ^2/NDF:90.3/58

All: -160.253+/-72.038 χ^2/NDF: 173.9/111

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

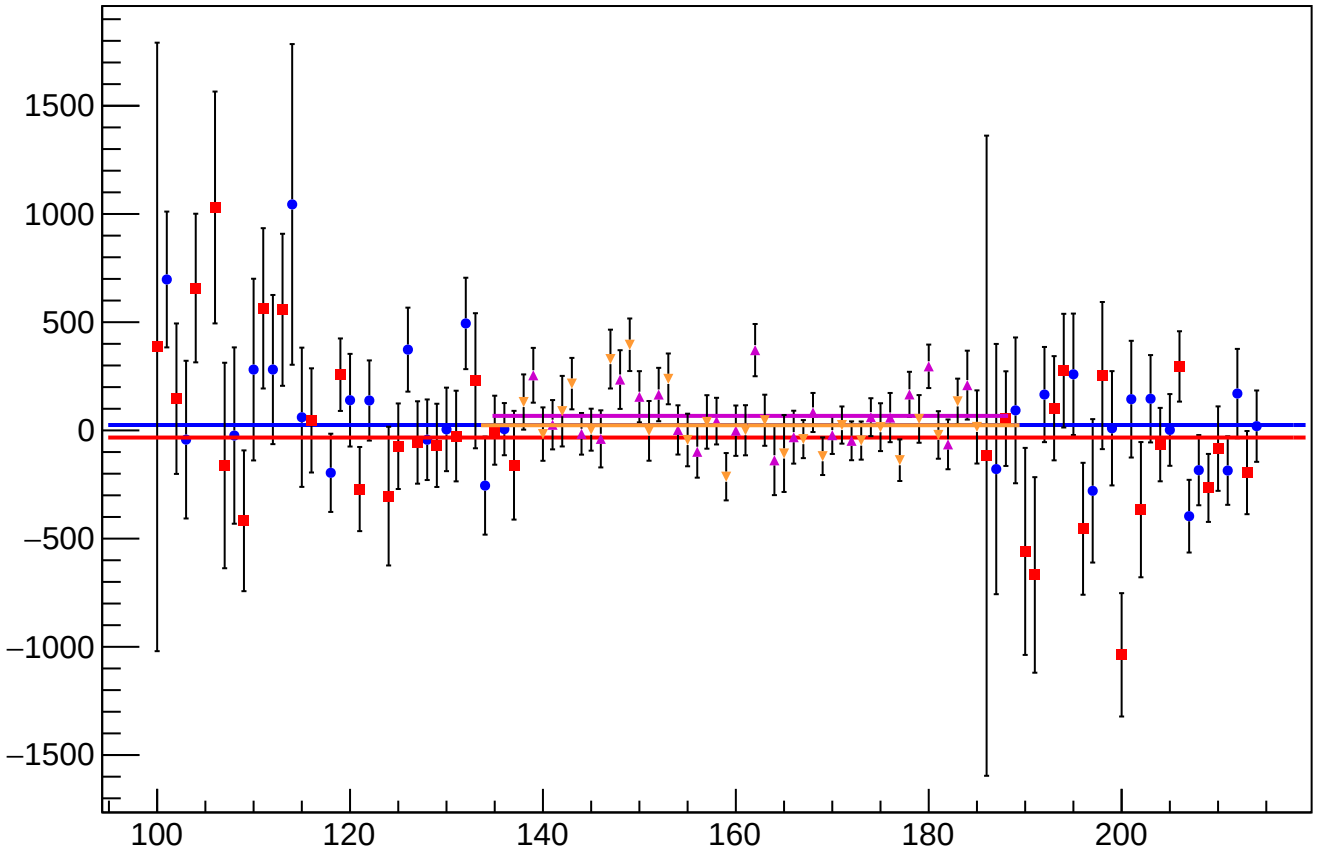
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1442.592+/-0.176 χ^2/NDF: 6914981.1/63

In: 526.655+/-0.073 χ^2/NDF:19951016.2/52

Out: 523.366+/-0.072 χ^2/NDF:22522841.4/58

All: 524.986+/-0.051 χ^2/NDF: 42474899.6/11



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

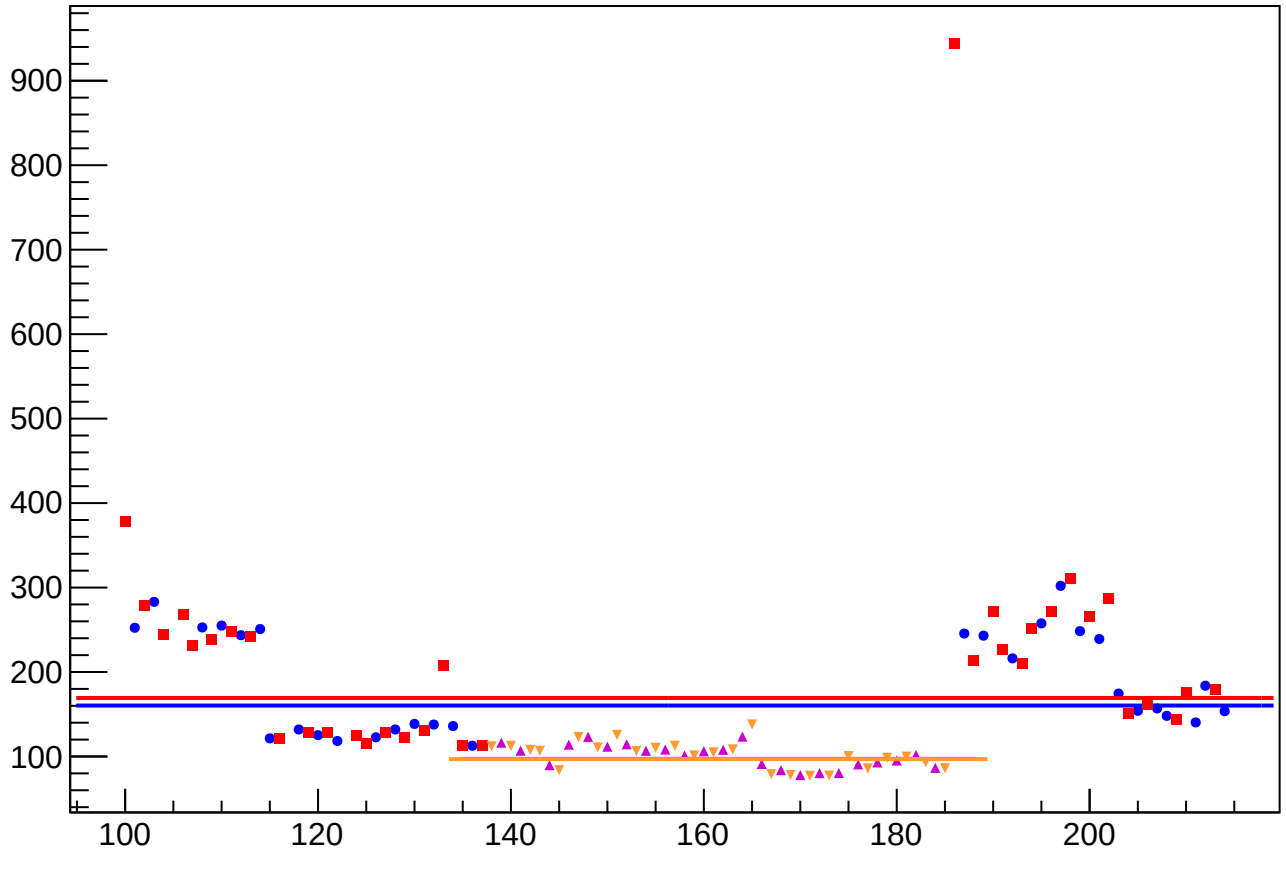
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: -2.542+/-28.638 χ^2/NDF: 83.4/63

In: 56.330+/-19.954 χ^2/NDF:61.9/52

Out: 11.070+/-19.730 χ^2/NDF:86.6/58

All: 33.445+/-14.030 χ^2/NDF: 151.1/111



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

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

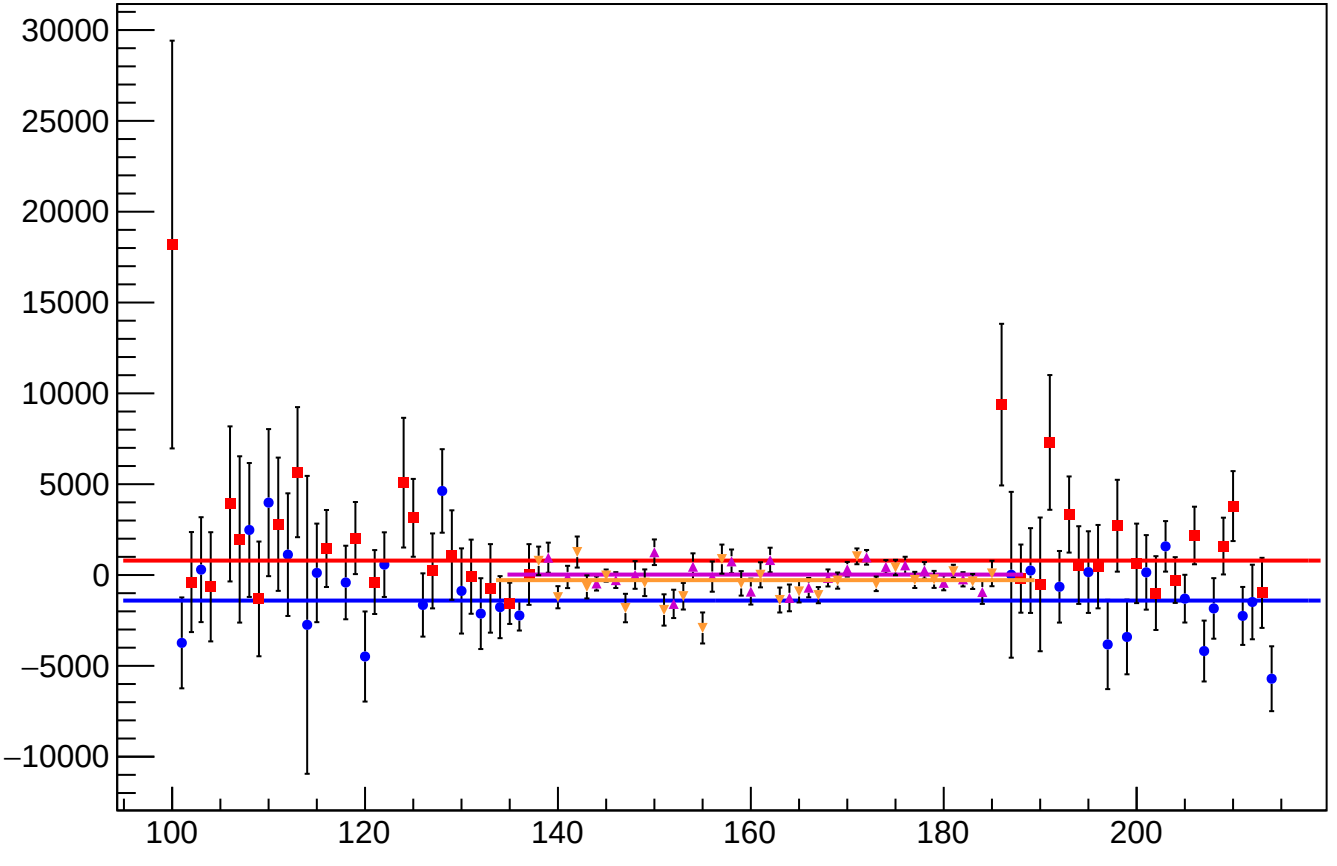
Right: 164.561+/-0.020 χ^2/NDF: 6933908.8/63

In: 113.278+/-0.014 χ^2/NDF:7348347.0/52

Out: 113.204+/-0.014 χ^2/NDF:9645655.4/58

All: 113.240+/-0.010 χ^2/NDF: 16994016.3/11

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



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

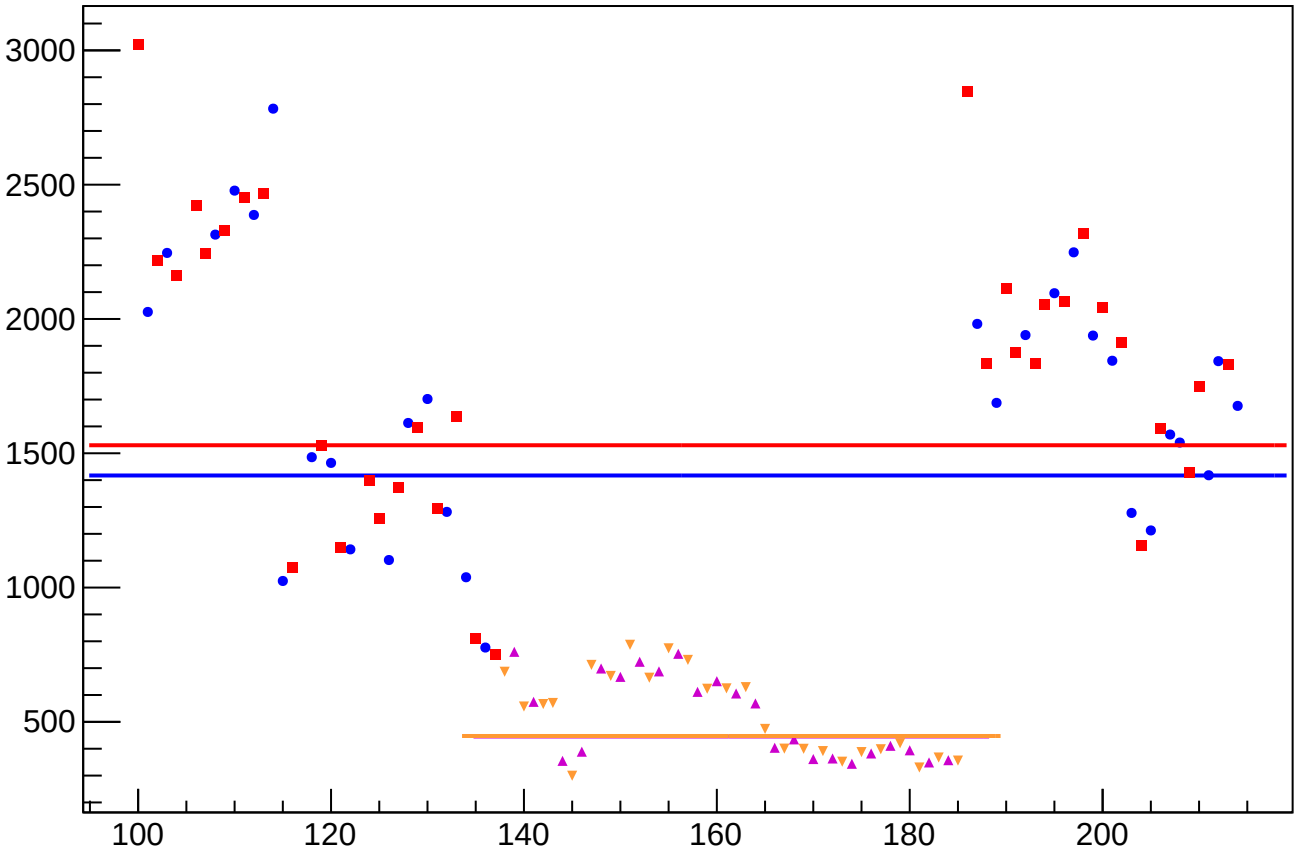
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -368.037+/-253.427 χ^2/NDF: 82.0/63

In: -102.521+/-103.934 χ^2/NDF:81.7/52

Out: -199.738+/-102.229 χ^2/NDF:88.2/58

All: -151.933+/-72.882 χ^2/NDF: 170.3/111



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

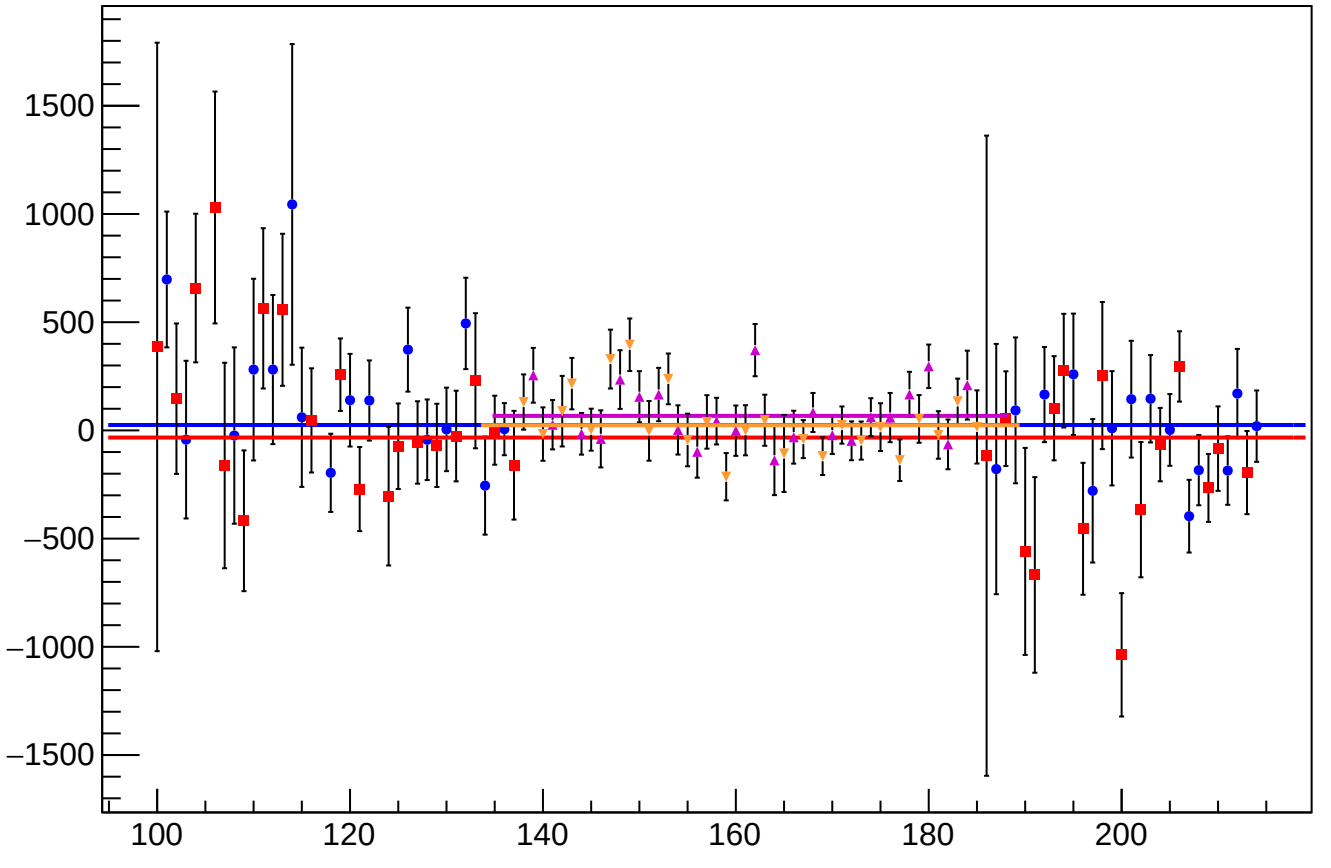
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1470.396+/-0.179 χ^2/NDF: 6893148.3/63

In: 531.832+/-0.073 χ^2/NDF:20183638.7/52

Out: 530.483+/-0.072 χ^2/NDF:22569512.3/58

All: 531.146+/-0.052 χ^2/NDF: 42753322.4/1



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

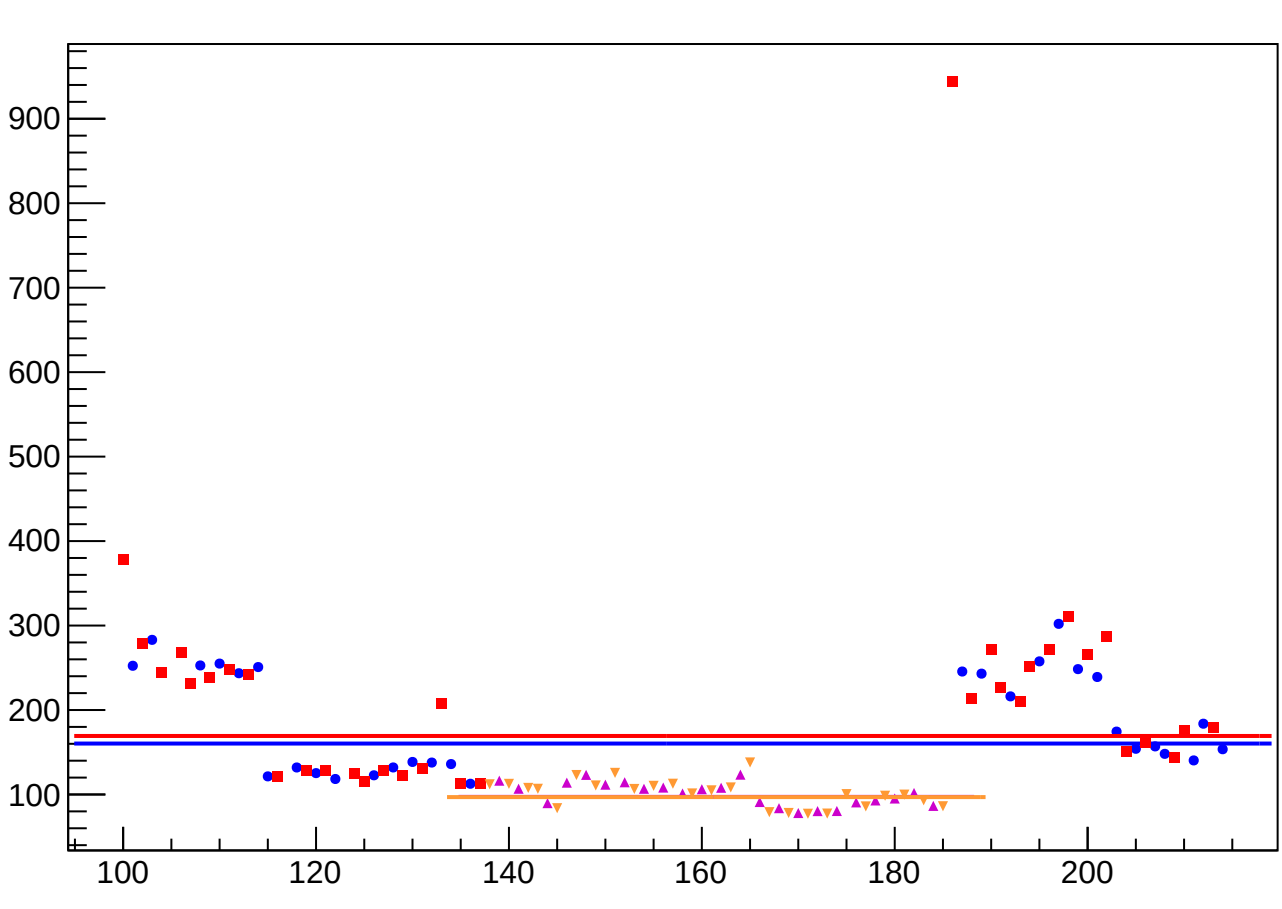
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: -2.540+/-28.638 χ^2/NDF: 83.4/63

In: 56.331+/-19.954 χ^2/NDF:61.9/52

Out: 11.069+/-19.730 χ^2/NDF:86.6/58

All: 33.444+/-14.030 χ^2/NDF: 151.1/111



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

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

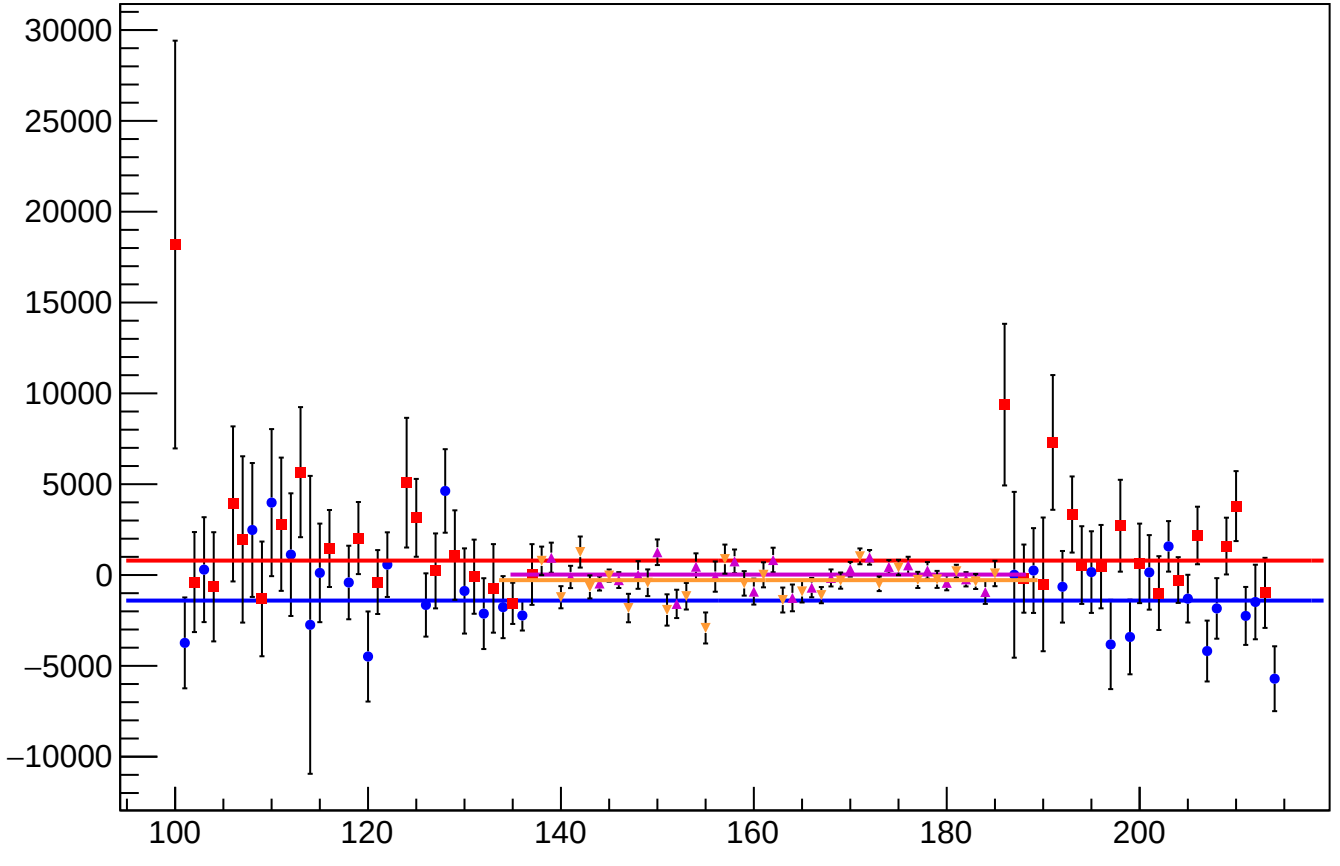
Right: 164.561+/-0.020 χ^2/NDF: 6933926.2/63

In: 113.278+/-0.014 χ^2/NDF:7348252.8/52

Out: 113.204+/-0.014 χ^2/NDF:9645595.4/58

All: 113.240+/-0.010 χ^2/NDF: 16993862.2/11

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

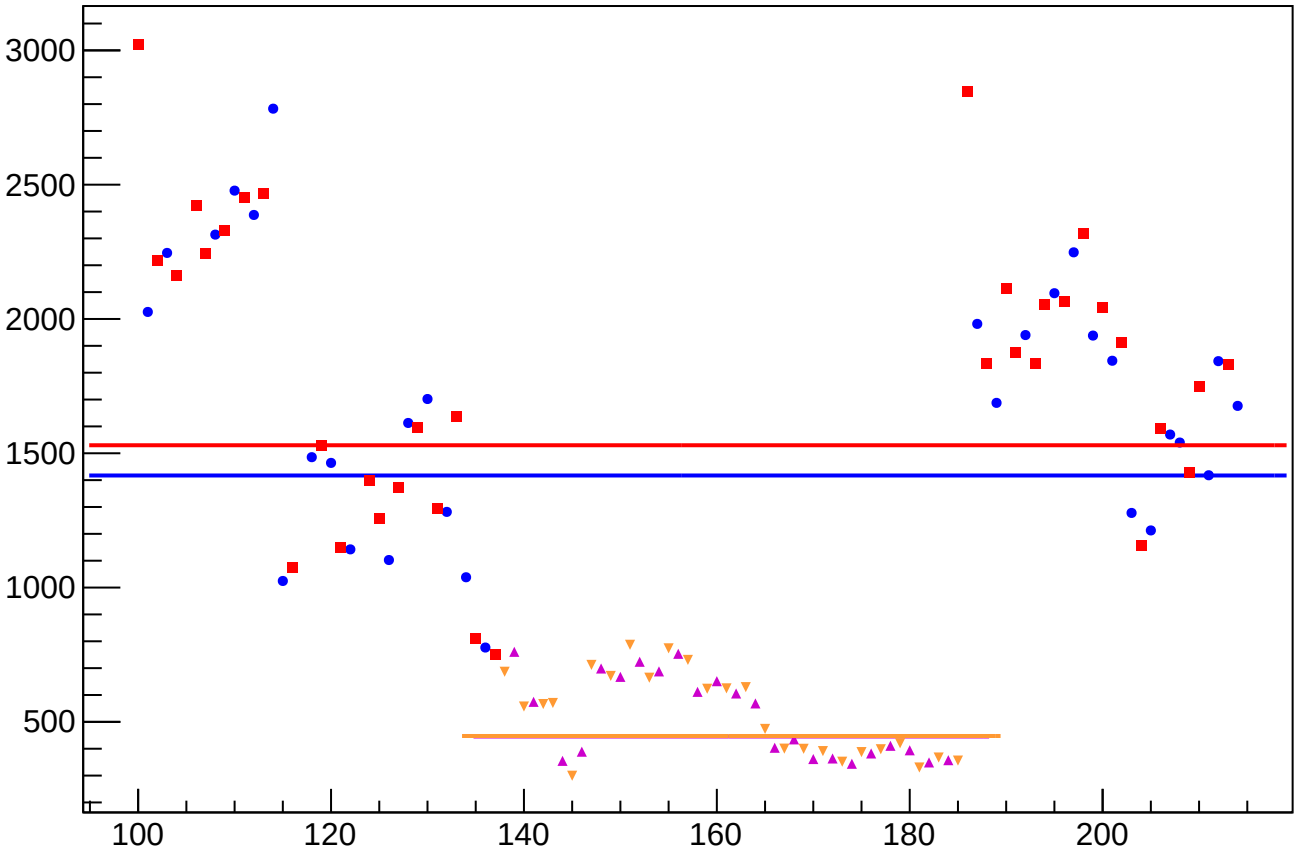
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -368.036+/-253.427 χ^2/NDF: 82.0/63

In: -102.520+/-103.934 χ^2/NDF:81.7/52

Out: -199.737+/-102.229 χ^2/NDF:88.2/58

All: -151.933+/-72.882 χ^2/NDF: 170.3/111



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

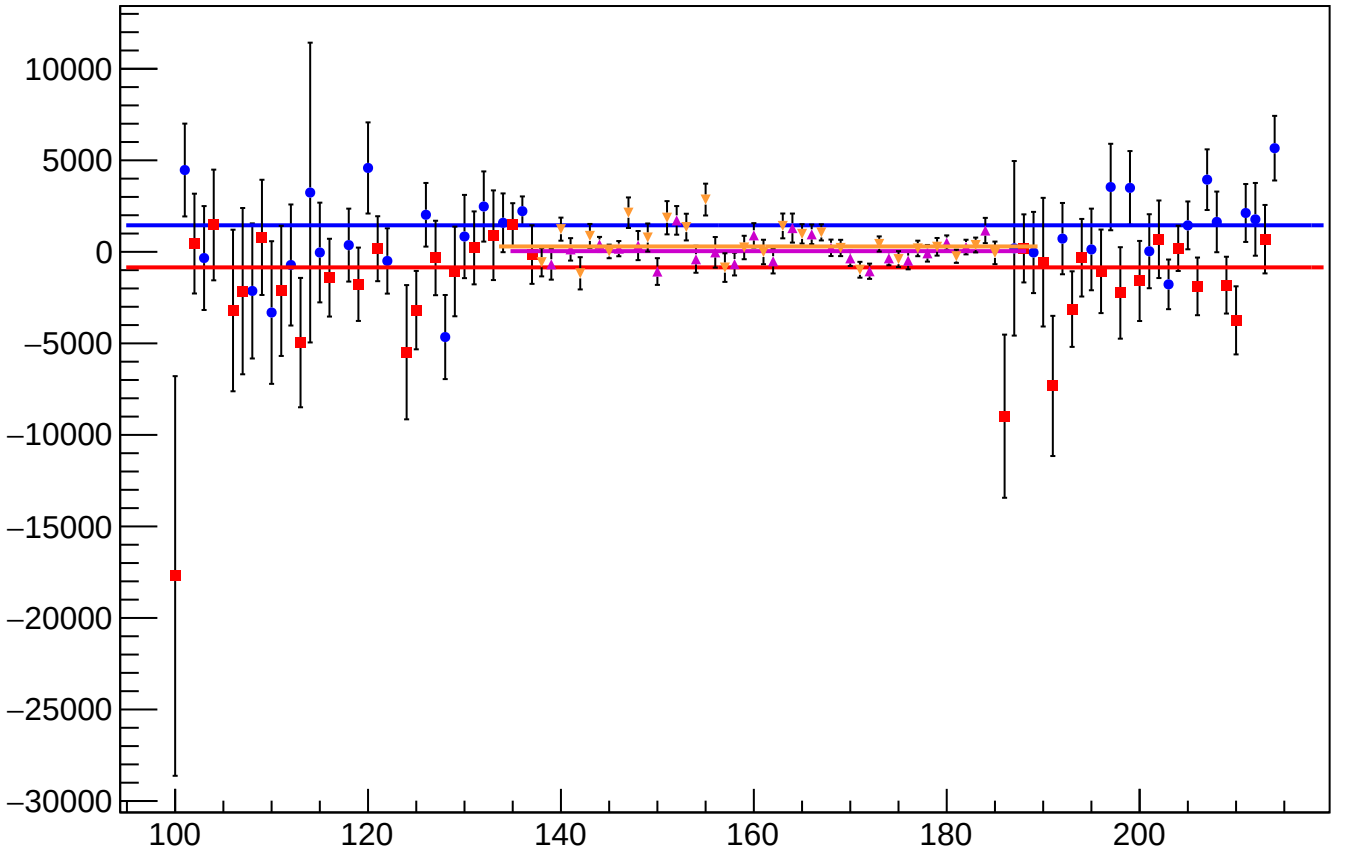
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1470.397+/-0.179 χ^2/NDF: 6893110.2/63

In: 531.832+/-0.073 χ^2/NDF:20183647.4/52

Out: 530.482+/-0.072 χ^2/NDF:22569543.2/58

All: 531.146+/-0.052 χ^2/NDF: 42753362.1/11



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

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

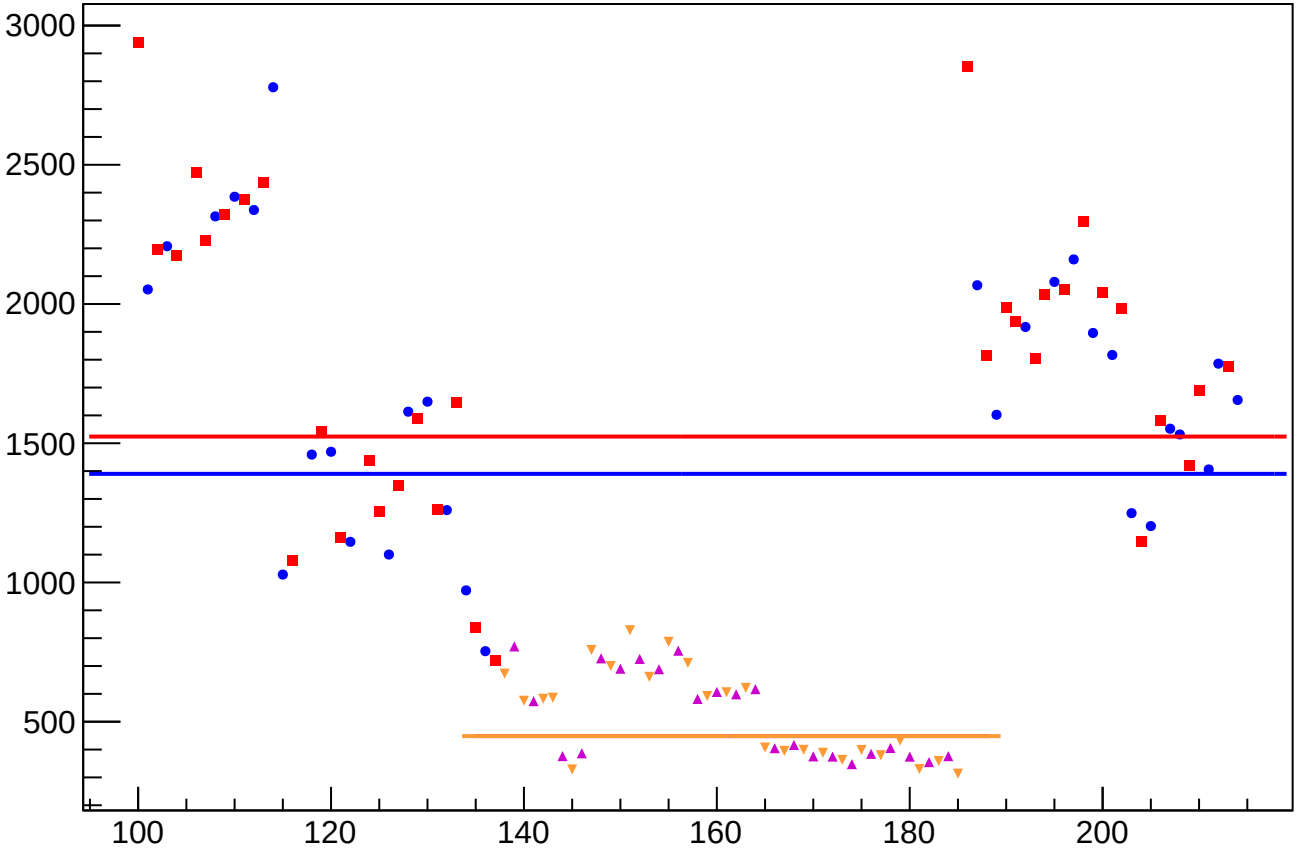
Right: 381.072+/-250.526 χ^2/NDF: 81.8/63

In: 168.616+/-104.142 χ^2/NDF:82.1/52

Out: 205.878+/-102.561 χ^2/NDF:86.5/58

All: 187.532+/-73.074 χ^2/NDF: 168.7/111

asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

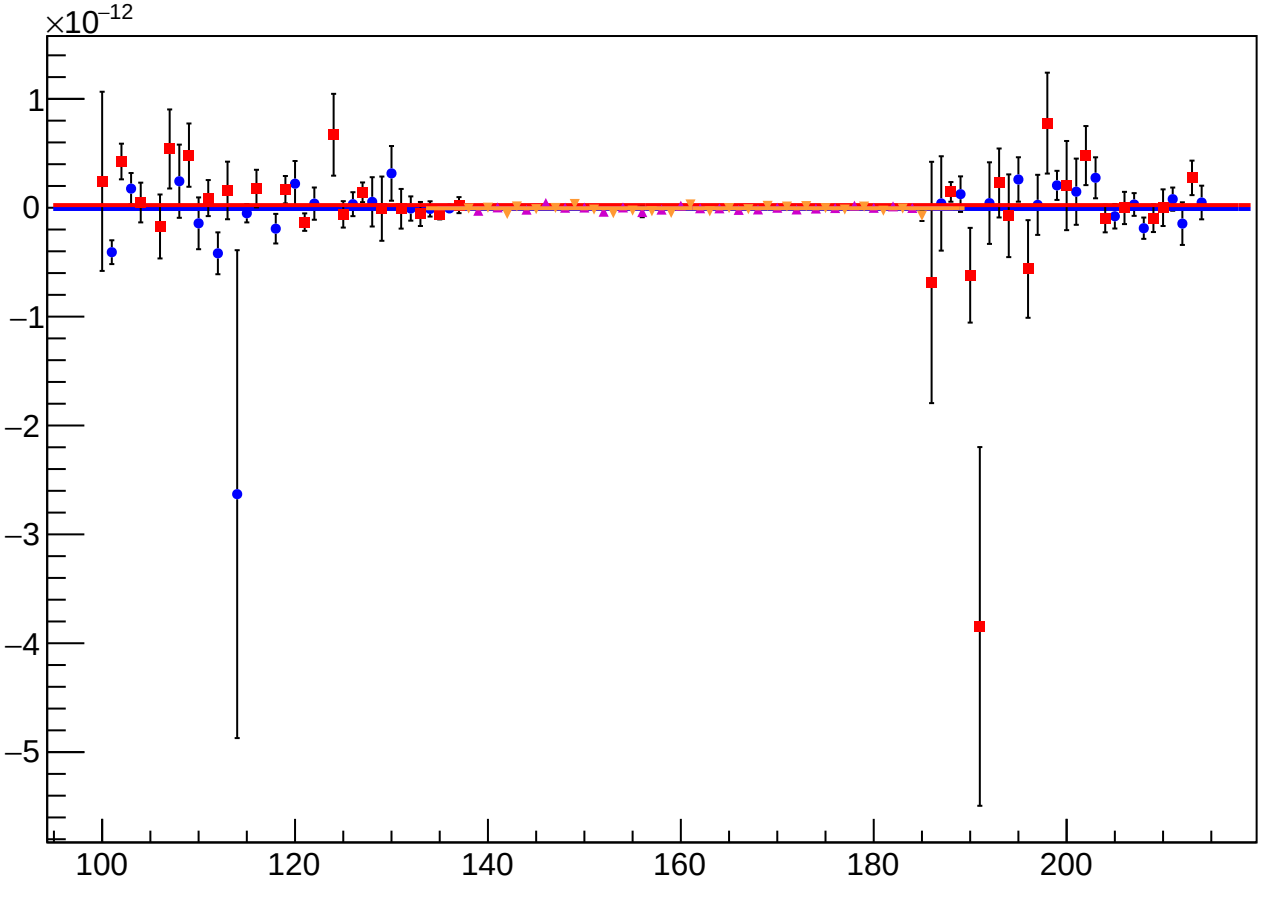
Right: 1452.407+/-0.177 χ^2/NDF: 6946863.2/63

In: 535.415+/-0.074 χ^2/NDF:19736477.3/52

Out: 532.158+/-0.073 χ^2/NDF:22379481.3/58

All: 533.762+/-0.052 χ^2/NDF: 42116951.2/11

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

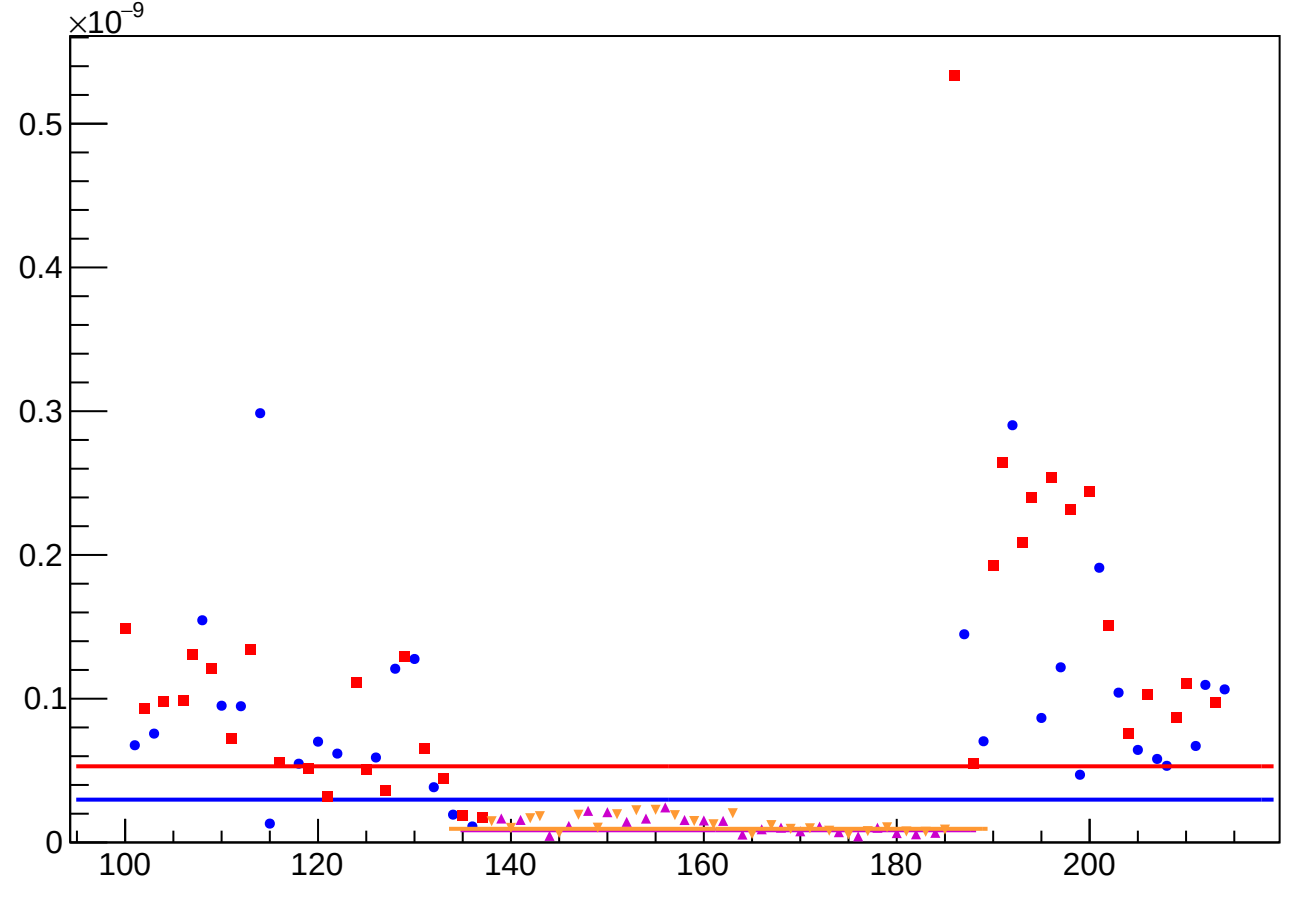
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 89.2/63

In: -0.000+/-0.000 χ^2/NDF:56.7/52

Out: -0.000+/-0.000 χ^2/NDF:72.5/58

All: -0.000+/-0.000 χ^2/NDF: 129.2/111



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

Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

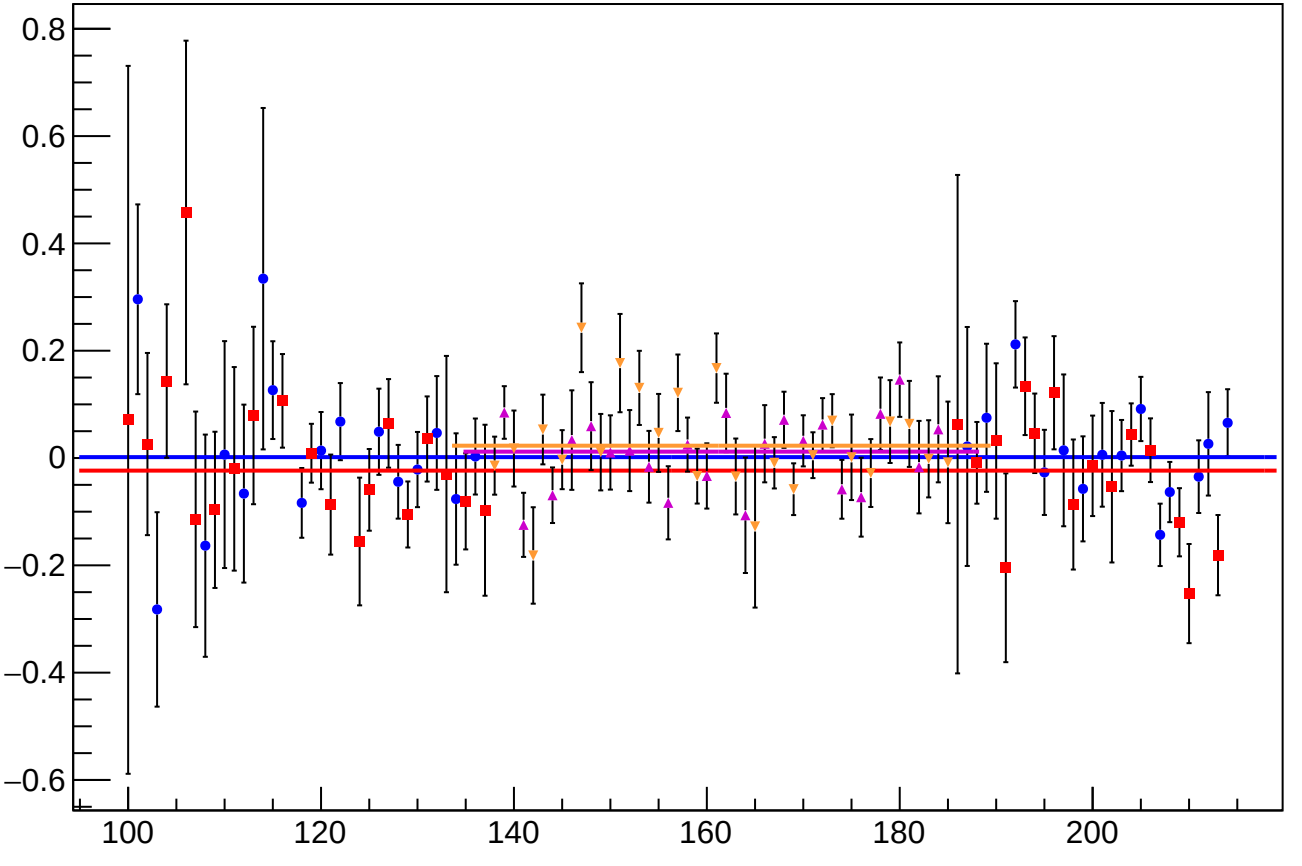
Right: 0.000+/-0.000 χ^2/NDF: 15582113.3/63

In: 0.000+/-0.000 χ^2/NDF:13894378.2/52

Out: 0.000+/-0.000 χ^2/NDF:15209049.6/58

All: 0.000+/-0.000 χ^2/NDF: 29180744.5/111

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

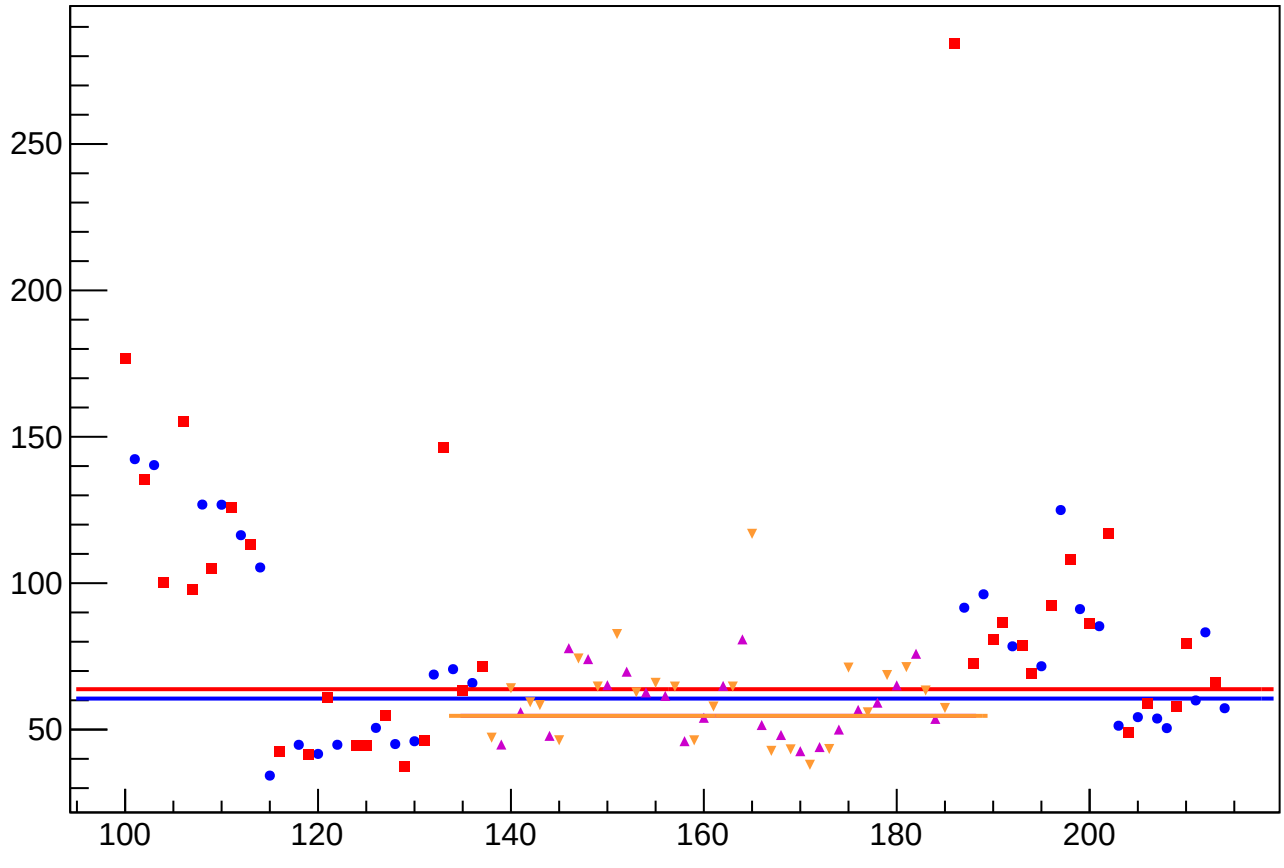
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.010+/-0.011 χ^2/NDF: 68.3/63

In: 0.008+/-0.010 χ^2/NDF:58.0/52

Out: 0.005+/-0.010 χ^2/NDF:74.3/58

All: 0.006+/-0.007 χ^2/NDF: 132.4/111



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

Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

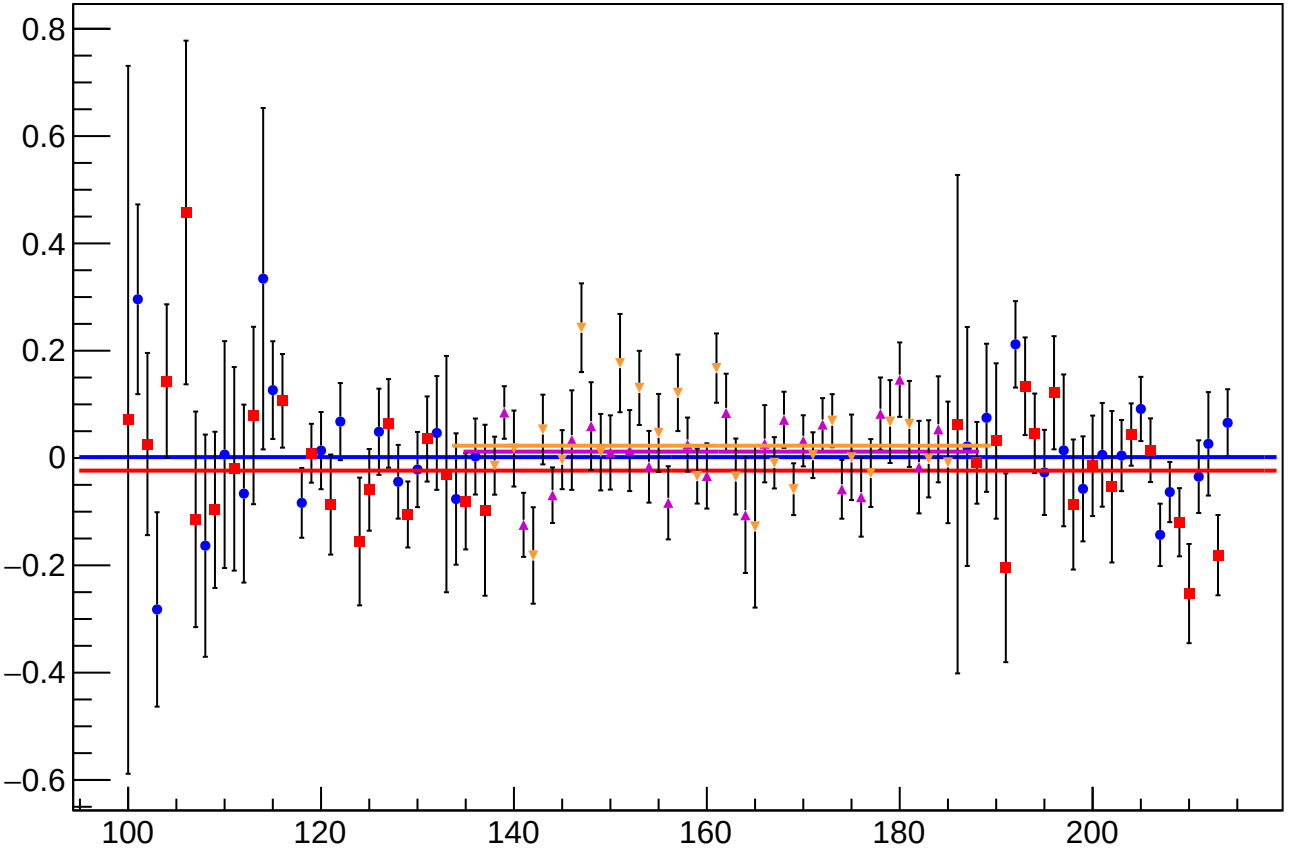
Right: 62.116+/-0.008 χ^2/NDF: 7985494.3/63

In: 57.182+/-0.007 χ^2/NDF:4934302.8/52

Out: 58.231+/-0.007 χ^2/NDF:6690986.6/58

All: 57.705+/-0.005 χ^2/NDF: 11636091.2/111

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

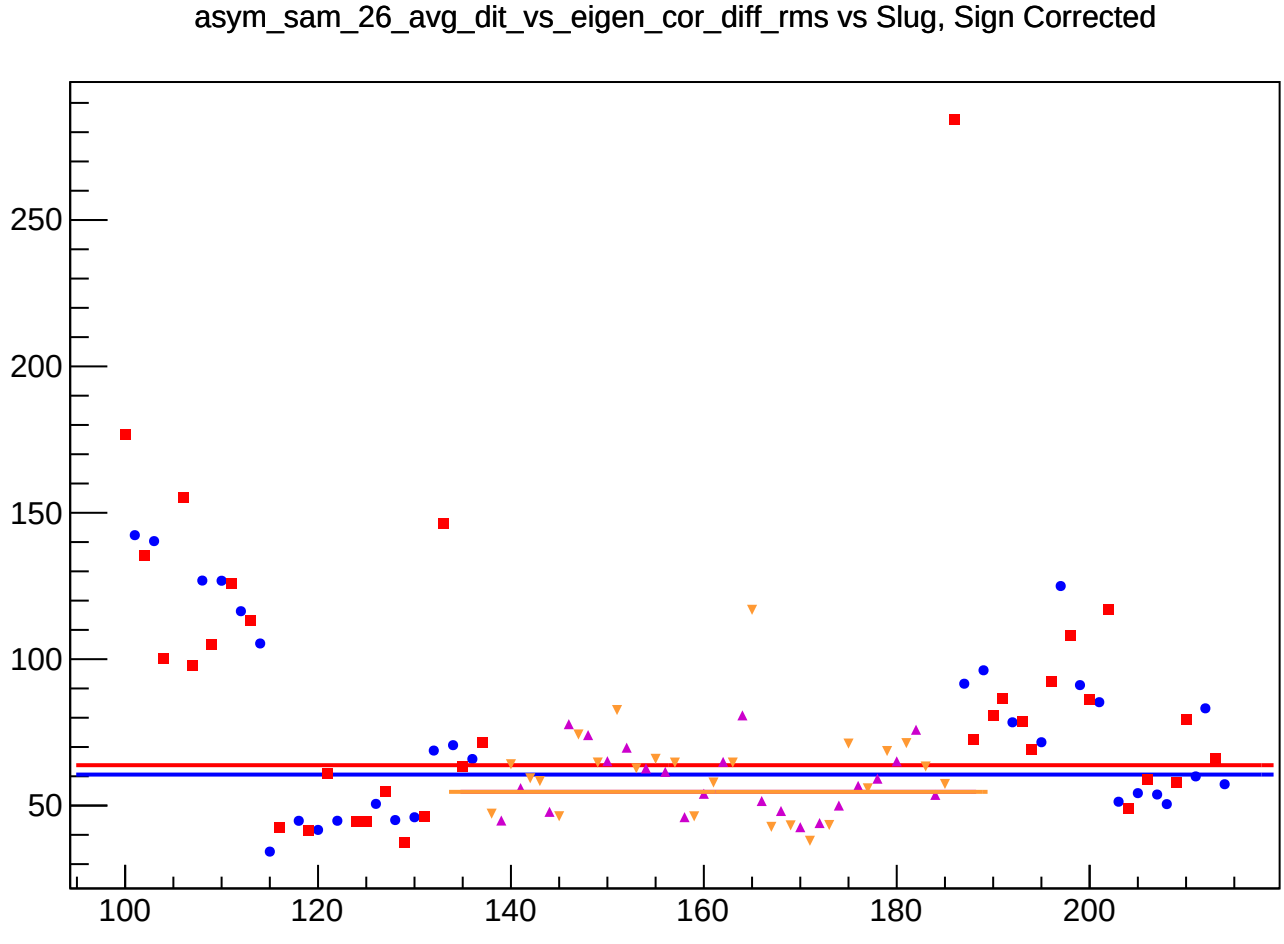
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.010+/-0.011 χ^2/NDF: 68.3/63

In: 0.008+/-0.010 χ^2/NDF:58.0/52

Out: 0.005+/-0.010 χ^2/NDF:74.3/58

All: 0.006+/-0.007 χ^2/NDF: 132.4/111



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

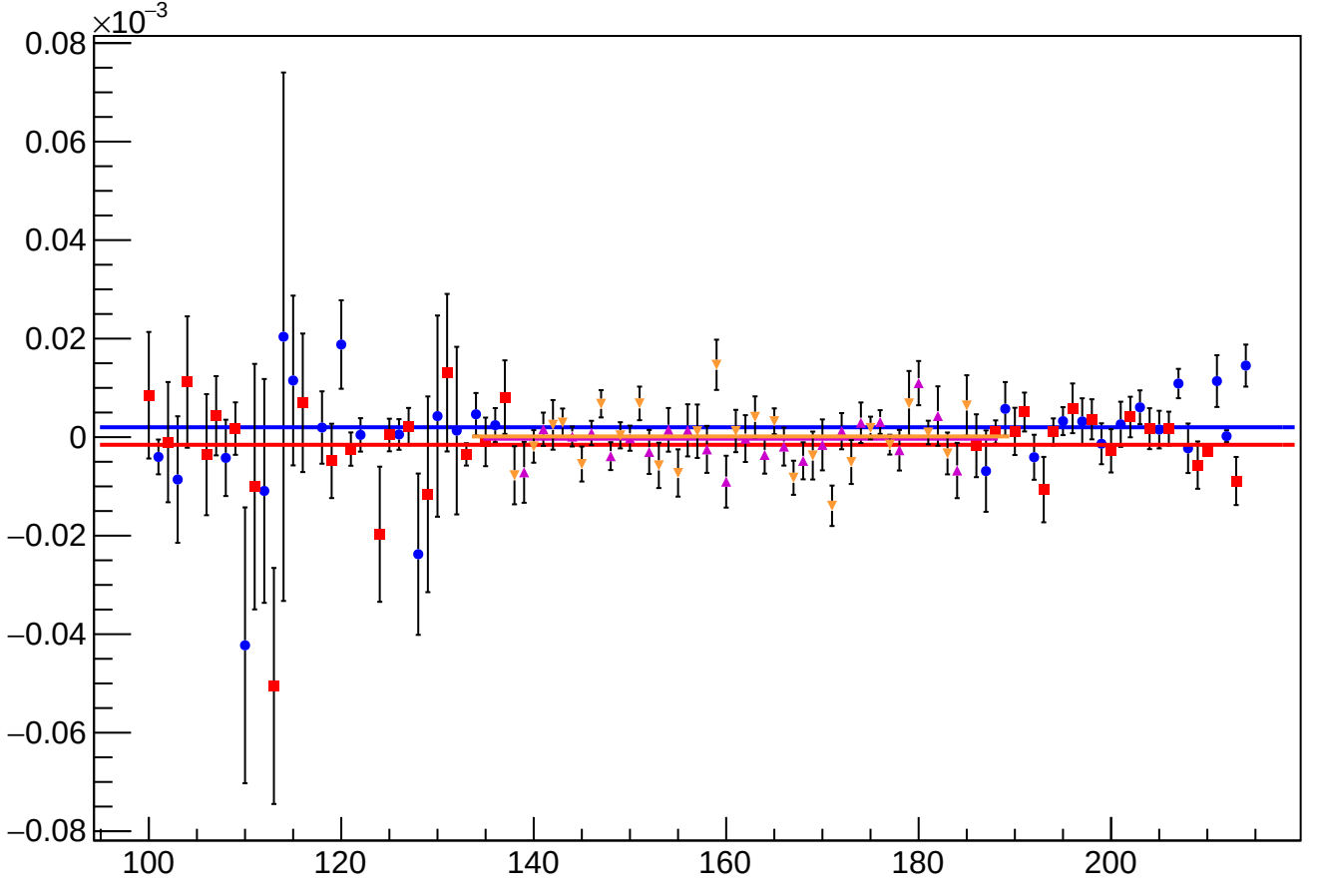
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 62.116+/-0.008 χ^2/NDF: 7985494.3/63

In: 57.182+/-0.007 χ^2/NDF:4934302.8/52

Out: 58.231+/-0.007 χ^2/NDF:6690986.6/58

All: 57.705+/-0.005 χ^2/NDF: 11636091.2/111



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

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

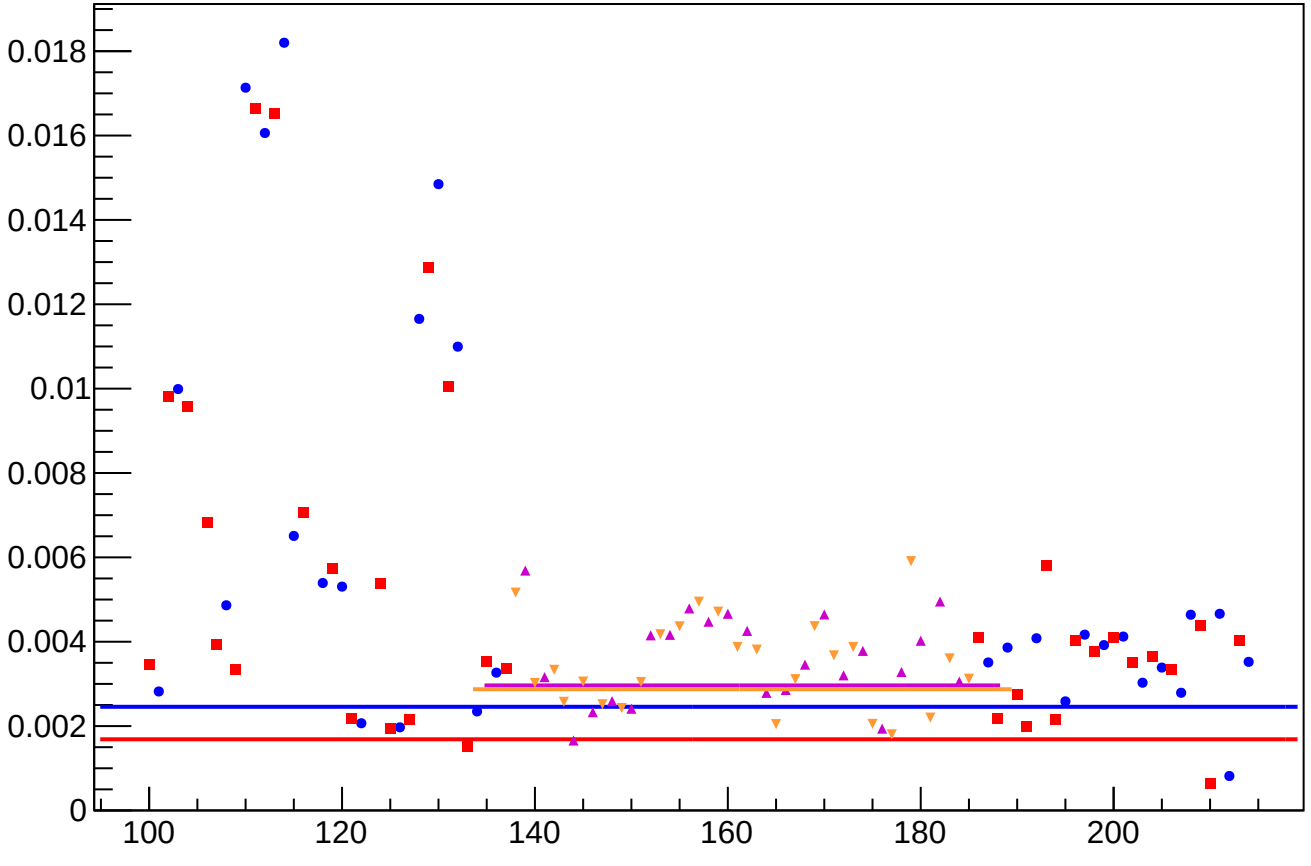
Right: -0.000+/-0.000 χ^2/NDF: 93.6/63

In: 0.000+/-0.000 χ^2/NDF:69.3/52

Out: -0.000+/-0.000 χ^2/NDF:91.9/58

All: -0.000+/-0.000 χ^2/NDF: 168.3/111

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

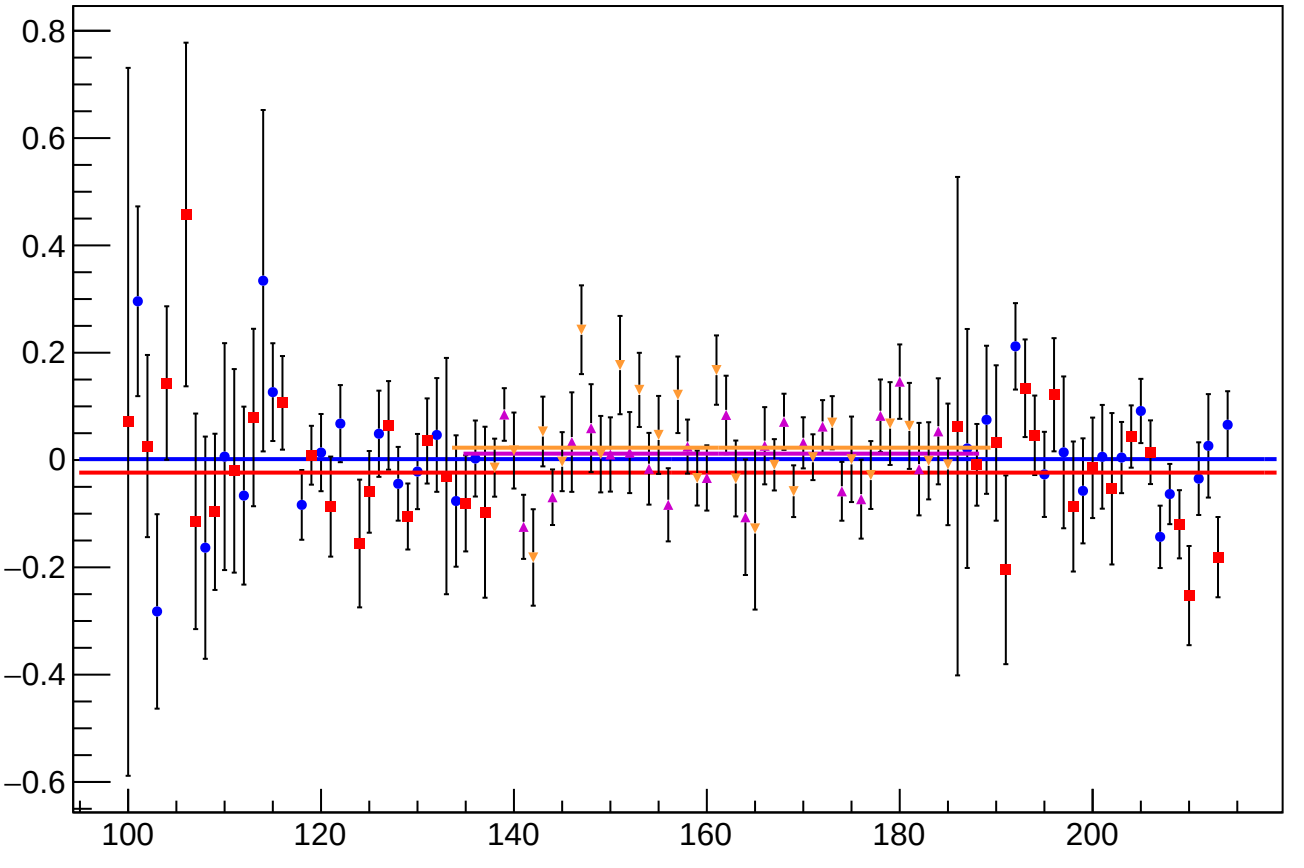
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.002+/-0.000 χ^2/NDF: 28141487.2/63

In: 0.003+/-0.000 χ^2/NDF:15022127.3/52

Out: 0.002+/-0.000 χ^2/NDF:22990578.7/58

All: 0.002+/-0.000 χ^2/NDF: 39396555.1/111



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

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

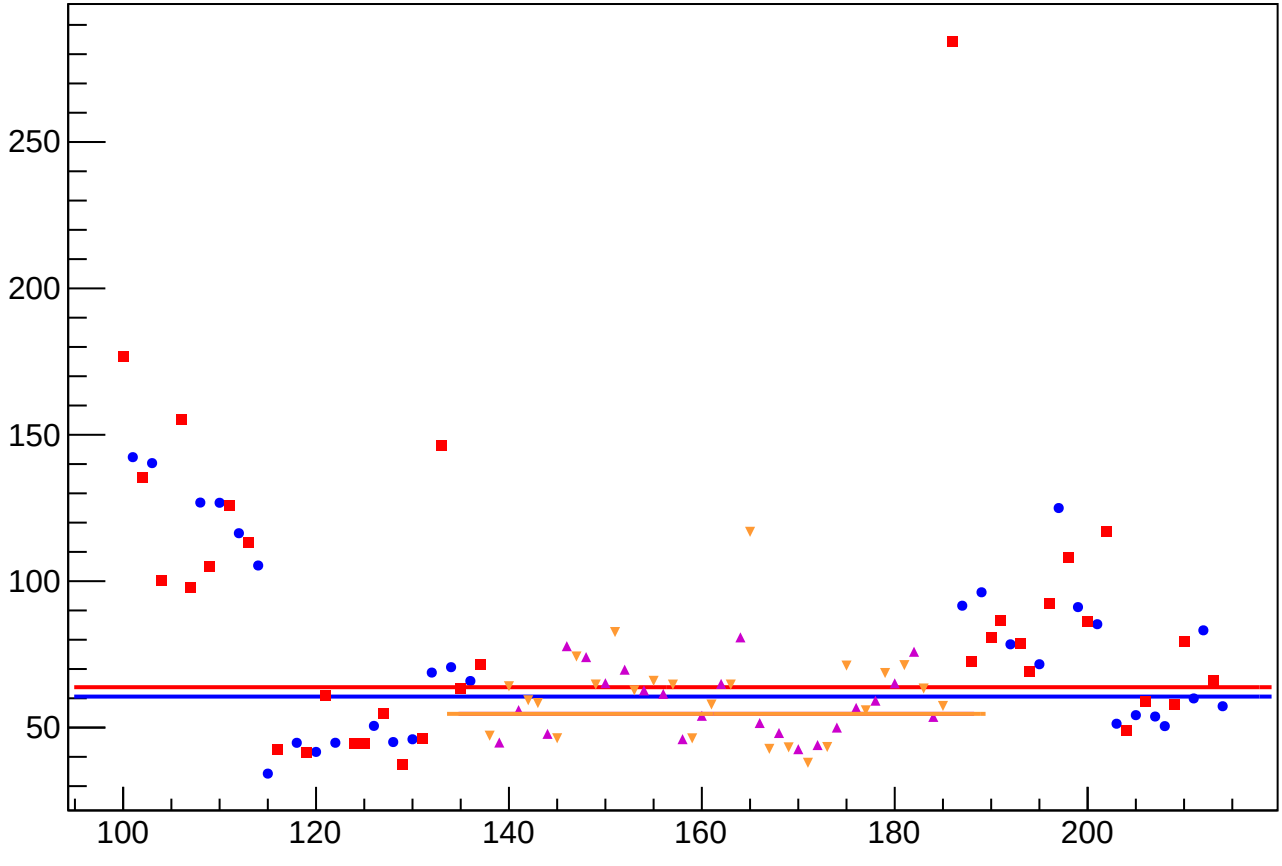
Right: -0.010+/-0.011 χ^2/NDF: 68.3/63

In: 0.008+/-0.010 χ^2/NDF:58.0/52

Out: 0.005+/-0.010 χ^2/NDF:74.3/58

All: 0.006+/-0.007 χ^2/NDF: 132.4/111

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

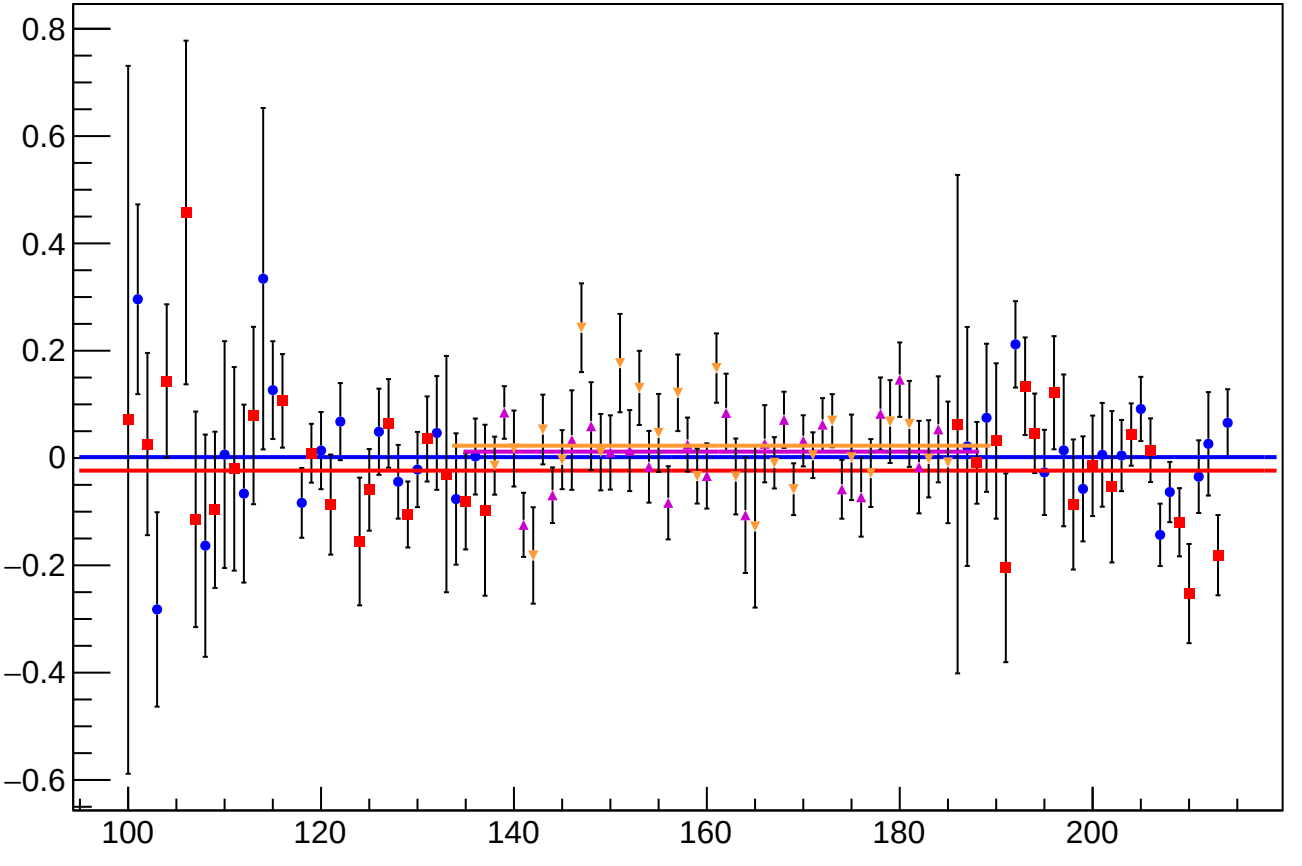
Right: 62.115+/-0.008 χ^2/NDF: 7985496.7/63

In: 57.183+/-0.007 χ^2/NDF:4934219.1/52

Out: 58.231+/-0.007 χ^2/NDF:6690920.2/58

All: 57.705+/-0.005 χ^2/NDF: 11635941.2/111

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

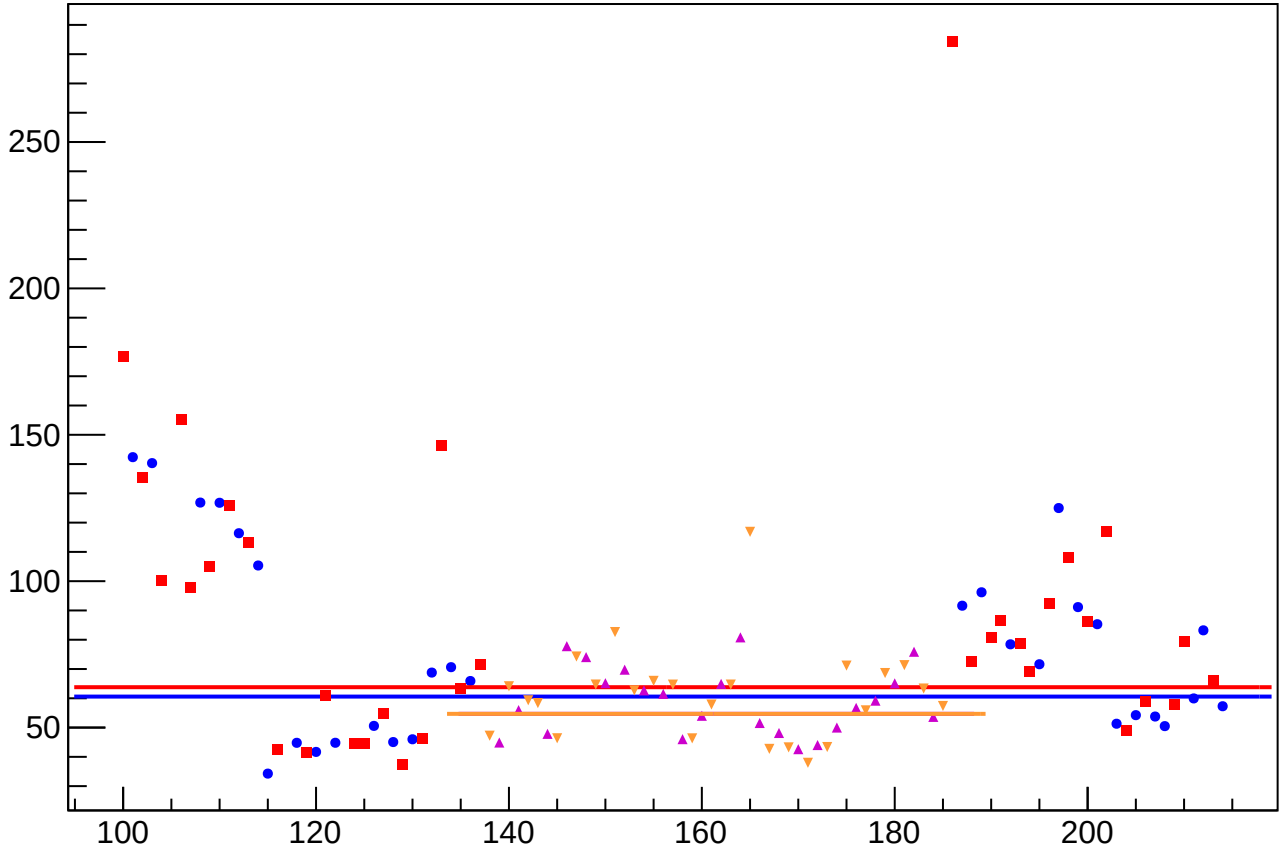
Right: -0.010+/-0.011 χ^2/NDF: 68.3/63

In: 0.008+/-0.010 χ^2/NDF:58.0/52

Out: 0.005+/-0.010 χ^2/NDF:74.3/58

All: 0.006+/-0.007 χ^2/NDF: 132.4/111

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

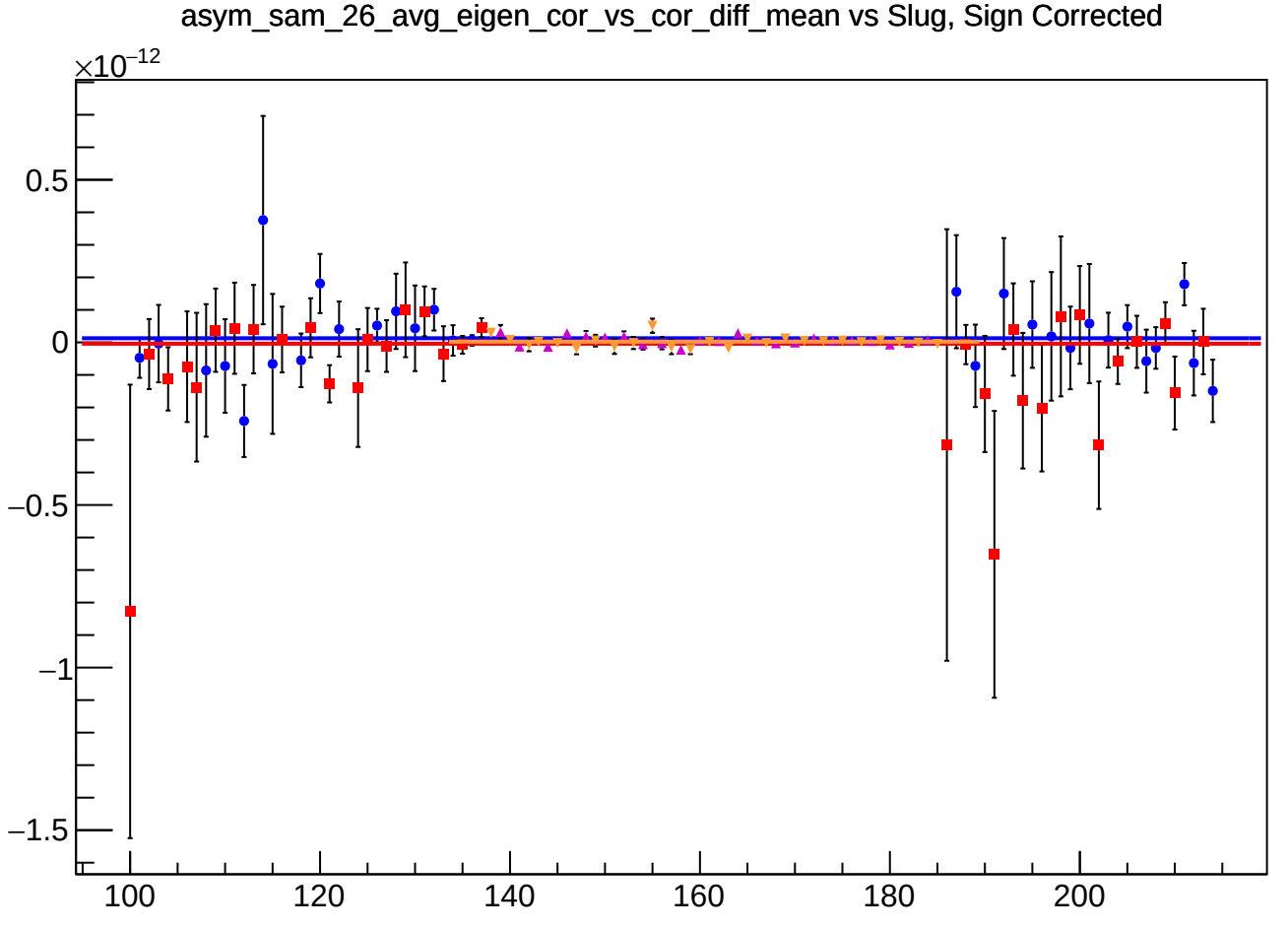
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 62.115+/-0.008 χ^2/NDF: 7985496.7/63

In: 57.183+/-0.007 χ^2/NDF:4934219.1/52

Out: 58.231+/-0.007 χ^2/NDF:6690920.2/58

All: 57.705+/-0.005 χ^2/NDF: 11635941.2/111



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

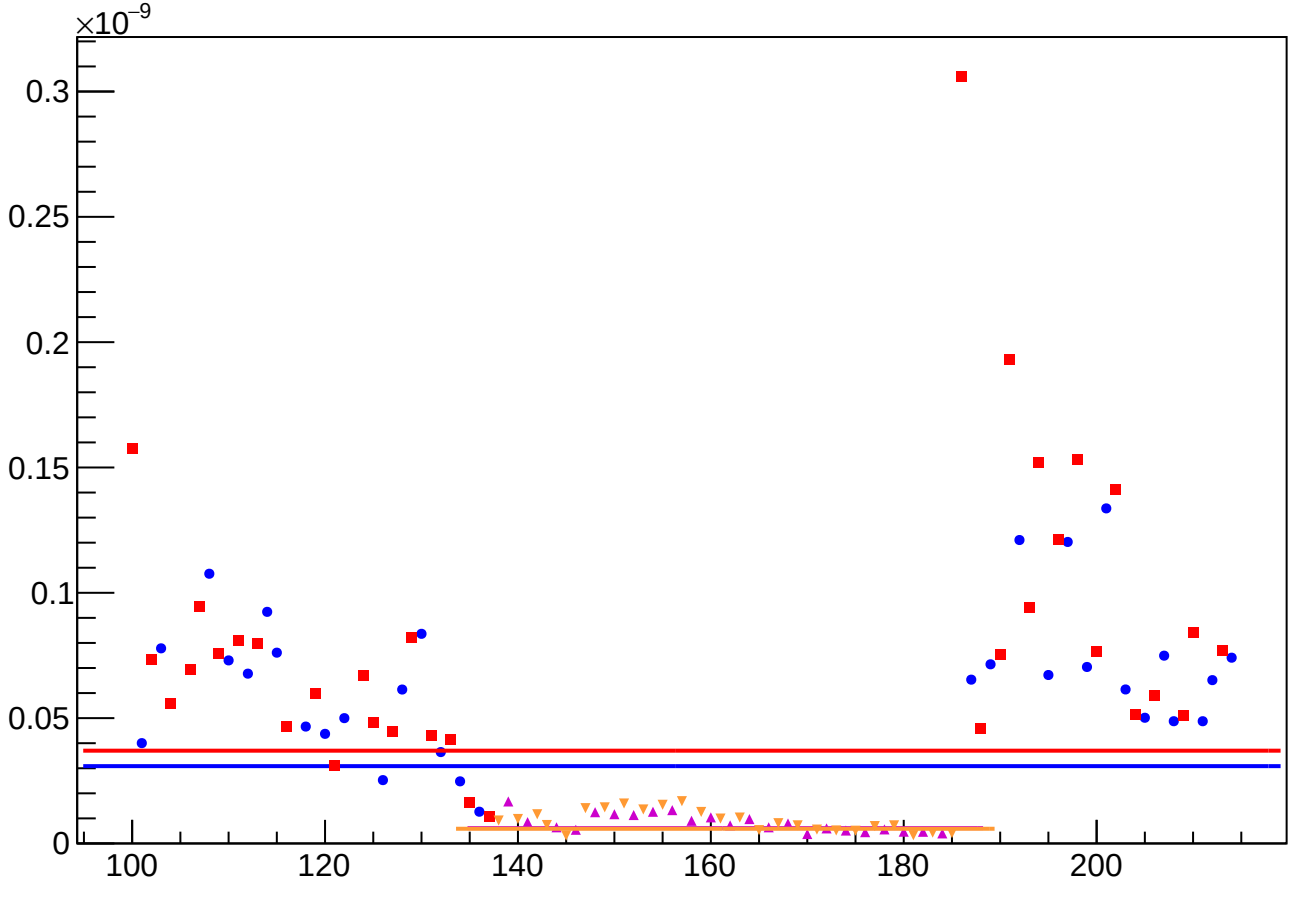
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 55.4/63

In: 0.000+/-0.000 χ^2/NDF:62.5/52

Out: 0.000+/-0.000 χ^2/NDF:46.7/58

All: 0.000+/-0.000 χ^2/NDF: 109.4/111



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

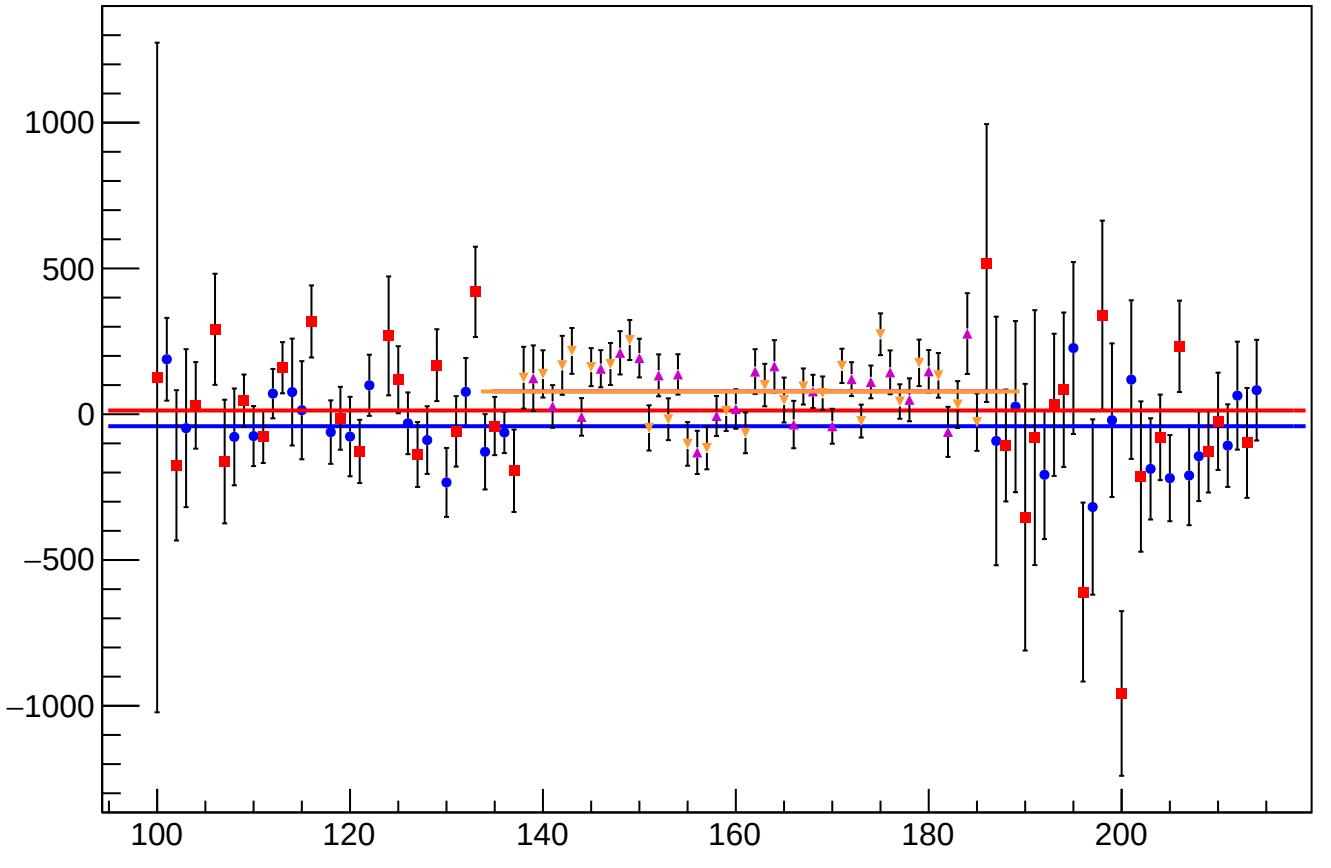
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 17365632.1/63

In: 0.000+/-0.000 χ^2/NDF:20641507.2/52

Out: 0.000+/-0.000 χ^2/NDF:24540500.6/58

All: 0.000+/-0.000 χ^2/NDF: 45217692.3/111



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

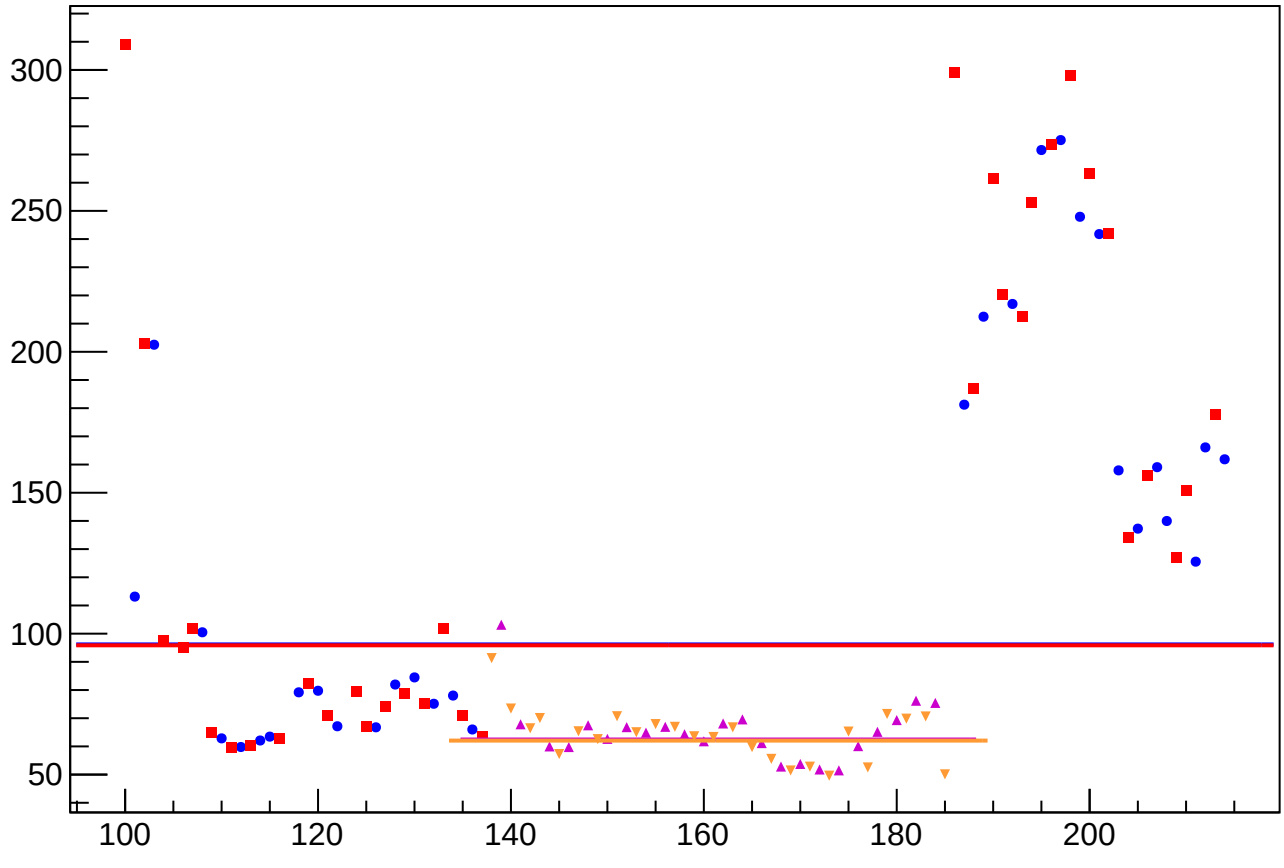
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: -14.107+/-17.929 χ^2/NDF: 75.4/63

In: 48.114+/-12.792 χ^2/NDF:71.9/52

Out: 62.322+/-12.470 χ^2/NDF:113.5/58

All: 55.400+/-8.929 χ^2/NDF: 186.0/111



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

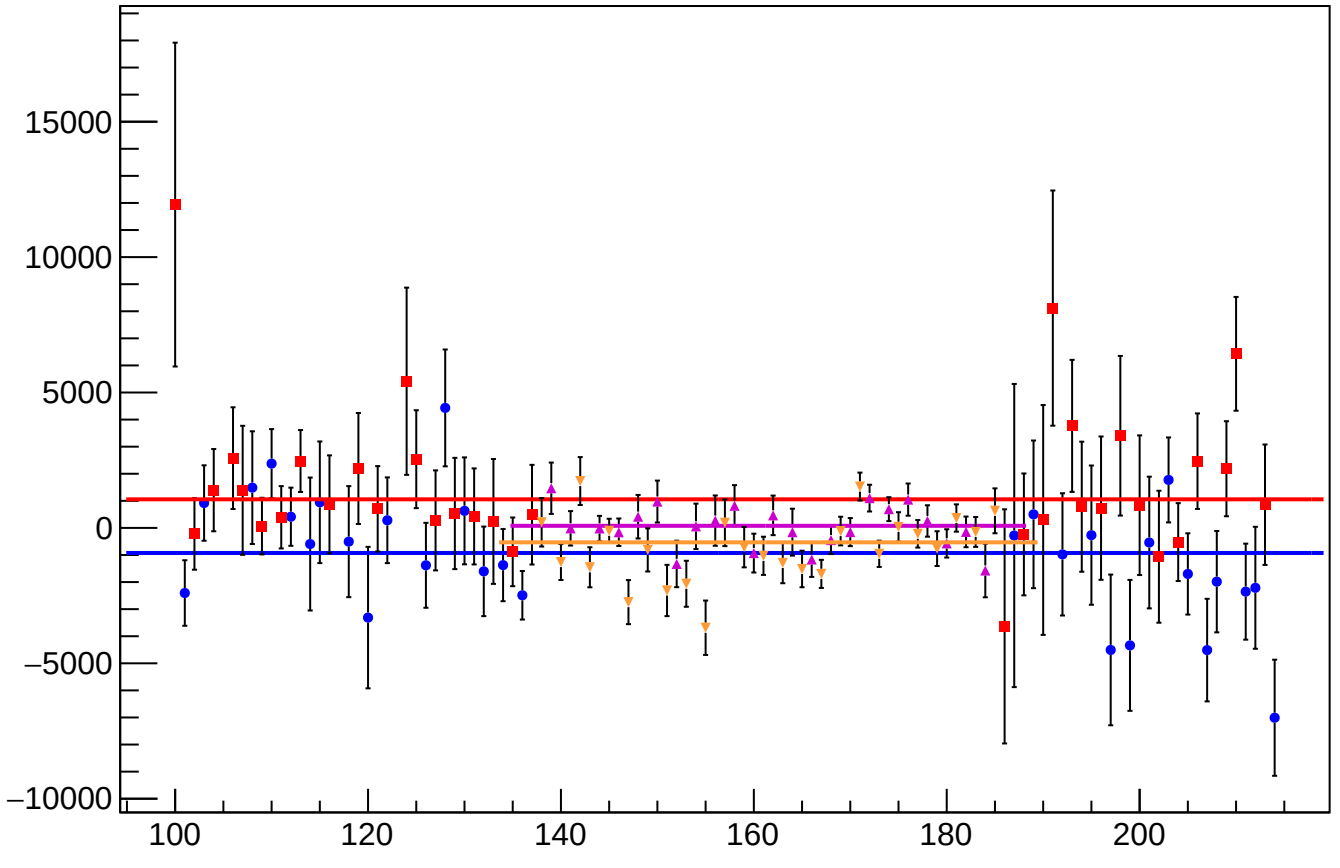
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 96.025+/-0.013 χ^2/NDF: 15566568.4/63

In: 71.016+/-0.009 χ^2/NDF:10414126.6/52

Out: 70.254+/-0.009 χ^2/NDF:11838534.0/58

All: 70.626+/-0.006 χ^2/NDF: 22256302.3/111



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

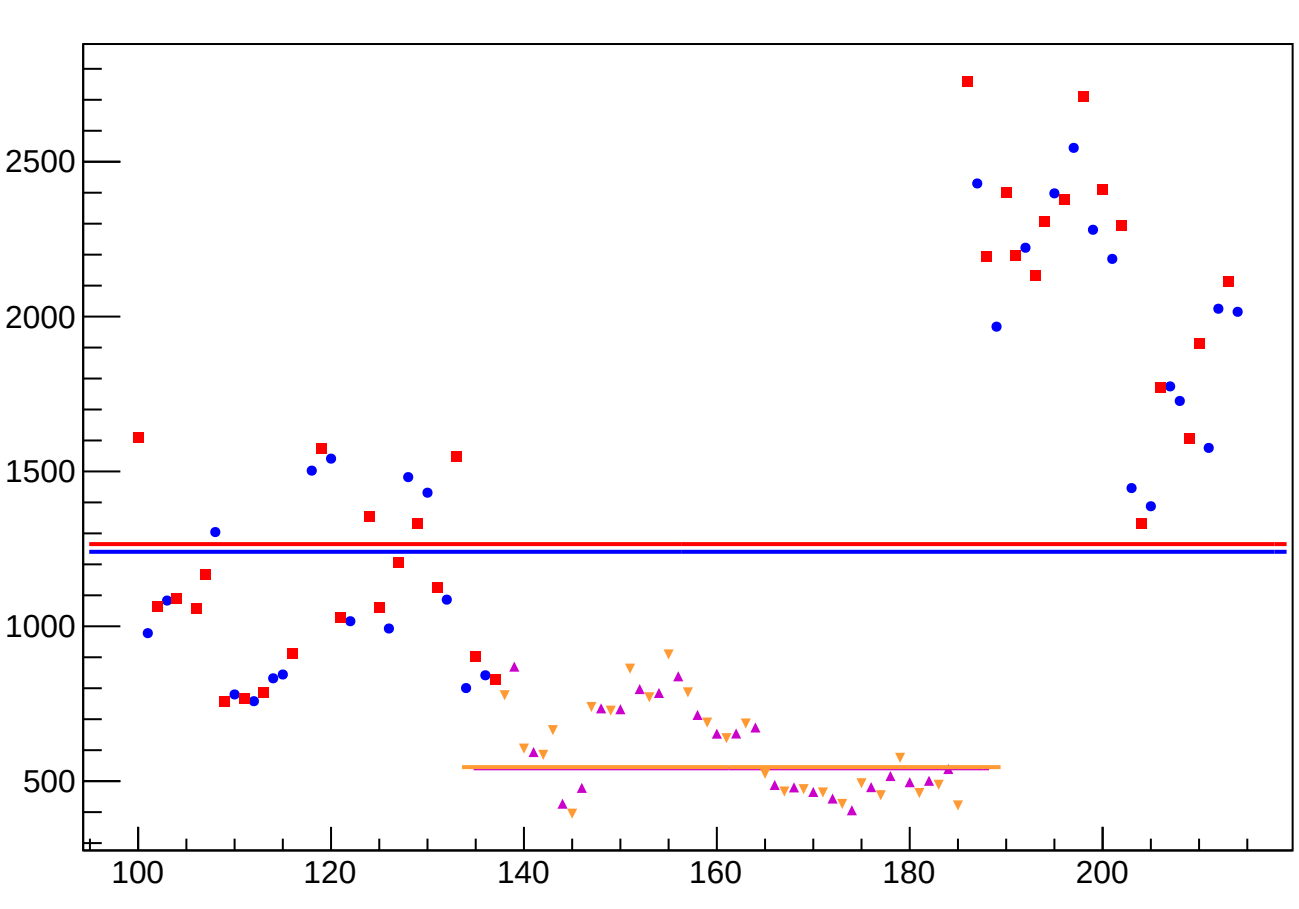
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 56.040+/-221.977 χ^2/NDF: 94.2/63

In: -71.155+/-120.277 χ^2/NDF:82.5/52

Out: -308.360+/-118.546 χ^2/NDF:119.8/58

All: -191.477+/-84.430 χ^2/NDF: 204.3/111



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

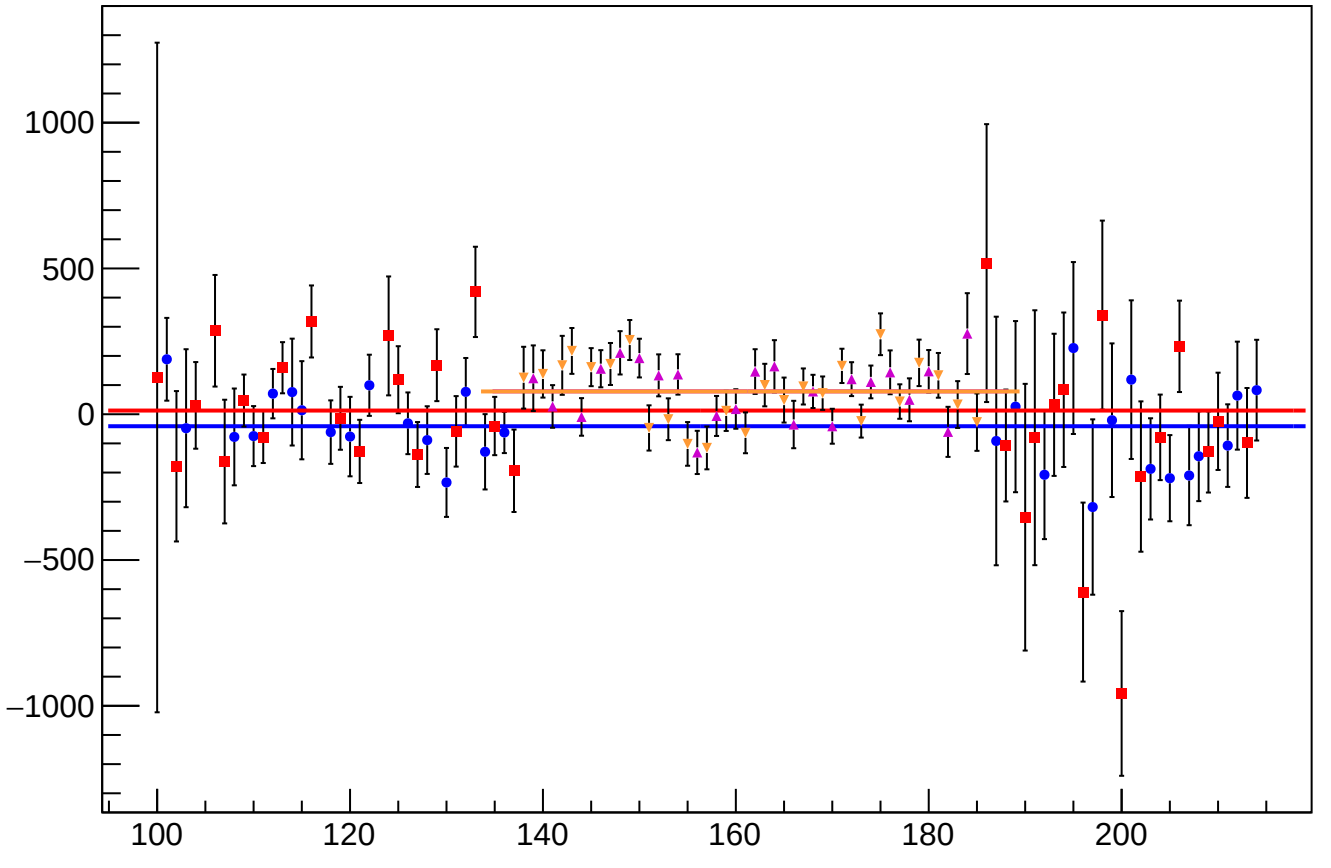
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1252.875+/-0.157 χ^2/NDF: 10358839.9/63

In: 645.031+/-0.085 χ^2/NDF:15147166.2/52

Out: 647.046+/-0.084 χ^2/NDF:16610662.0/58

All: 646.053+/-0.060 χ^2/NDF: 31758112.7/11



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

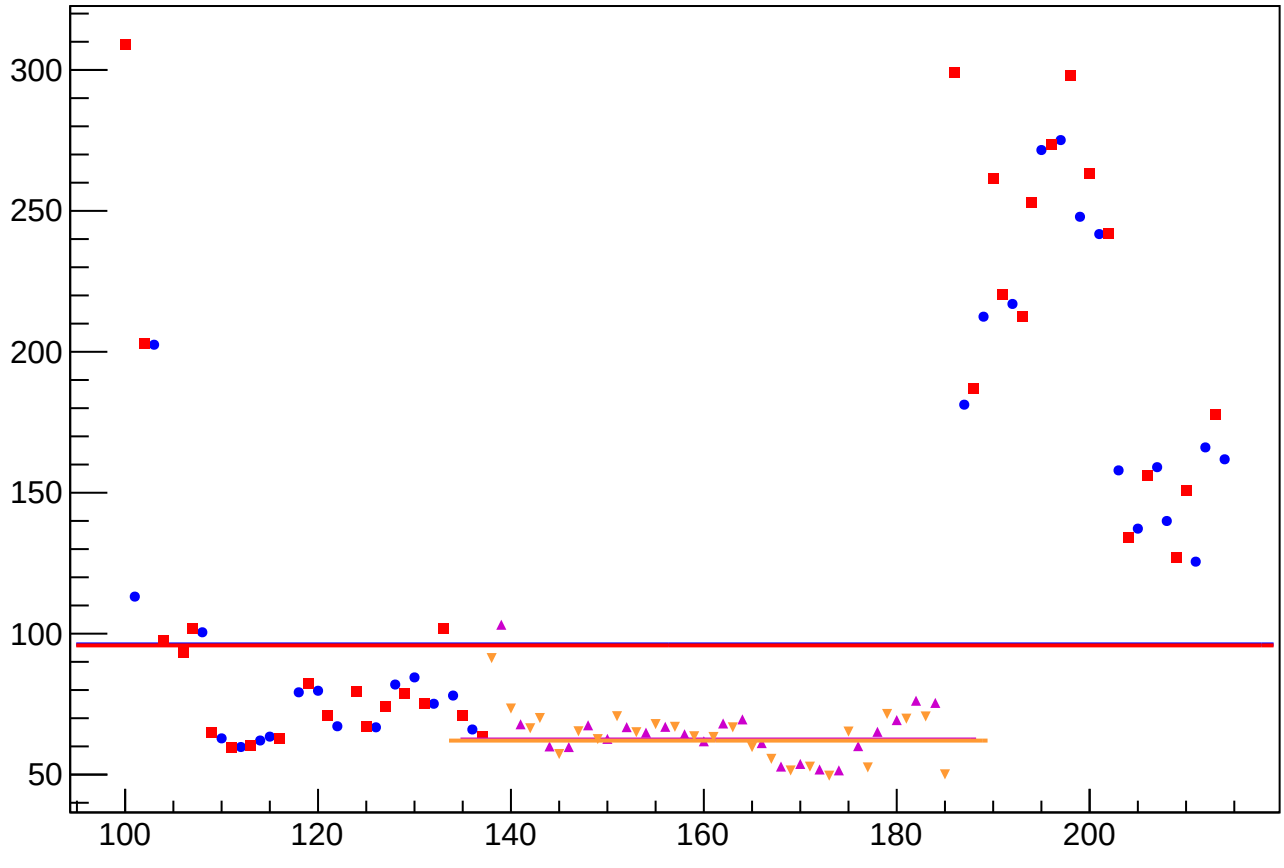
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -14.193+/-17.930 χ^2/NDF: 75.4/63

In: 48.112+/-12.792 χ^2/NDF:71.9/52

Out: 62.288+/-12.470 χ^2/NDF:113.4/58

All: 55.381+/-8.929 χ^2/NDF: 185.9/111



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

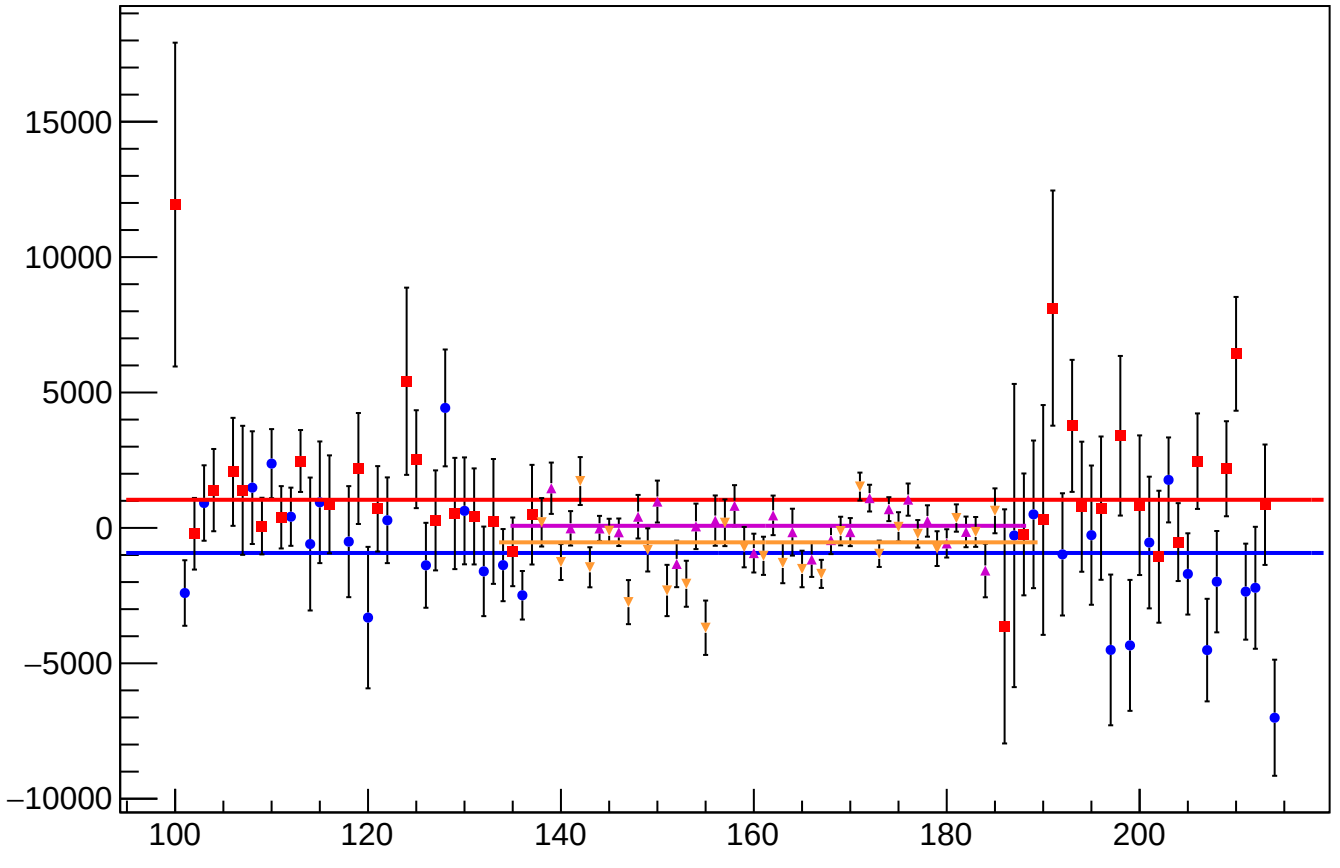
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 96.010+/-0.013 χ^2/NDF: 15567135.3/63

In: 71.016+/-0.009 χ^2/NDF:10414128.6/52

Out: 70.246+/-0.009 χ^2/NDF:11834009.6/58

All: 70.621+/-0.006 χ^2/NDF: 22251858.4/111



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

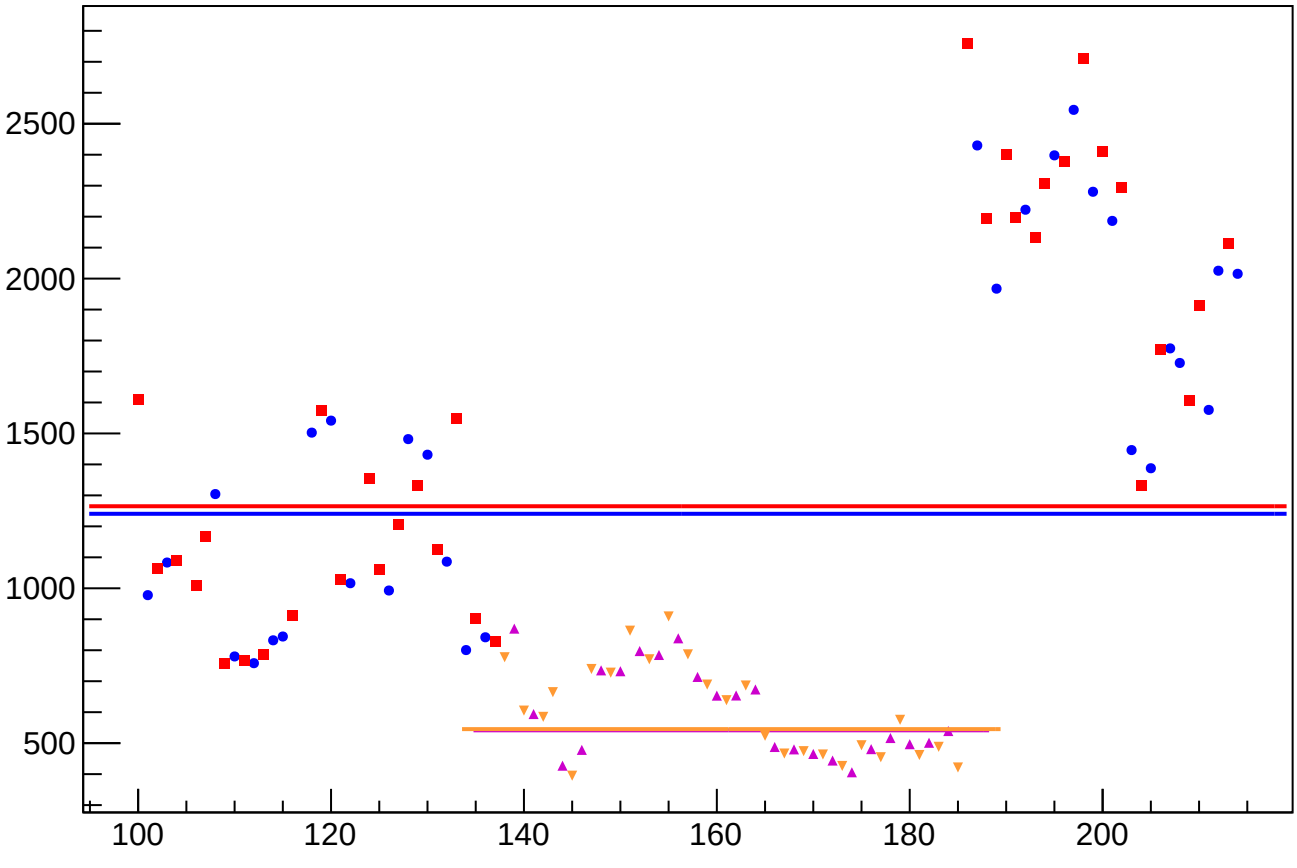
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 45.996+/-222.159 χ^2/NDF: 93.5/63

In: -71.153+/-120.277 χ^2/NDF:82.5/52

Out: -311.390+/-118.573 χ^2/NDF:118.9/58

All: -192.985+/-84.440 χ^2/NDF: 203.4/111



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

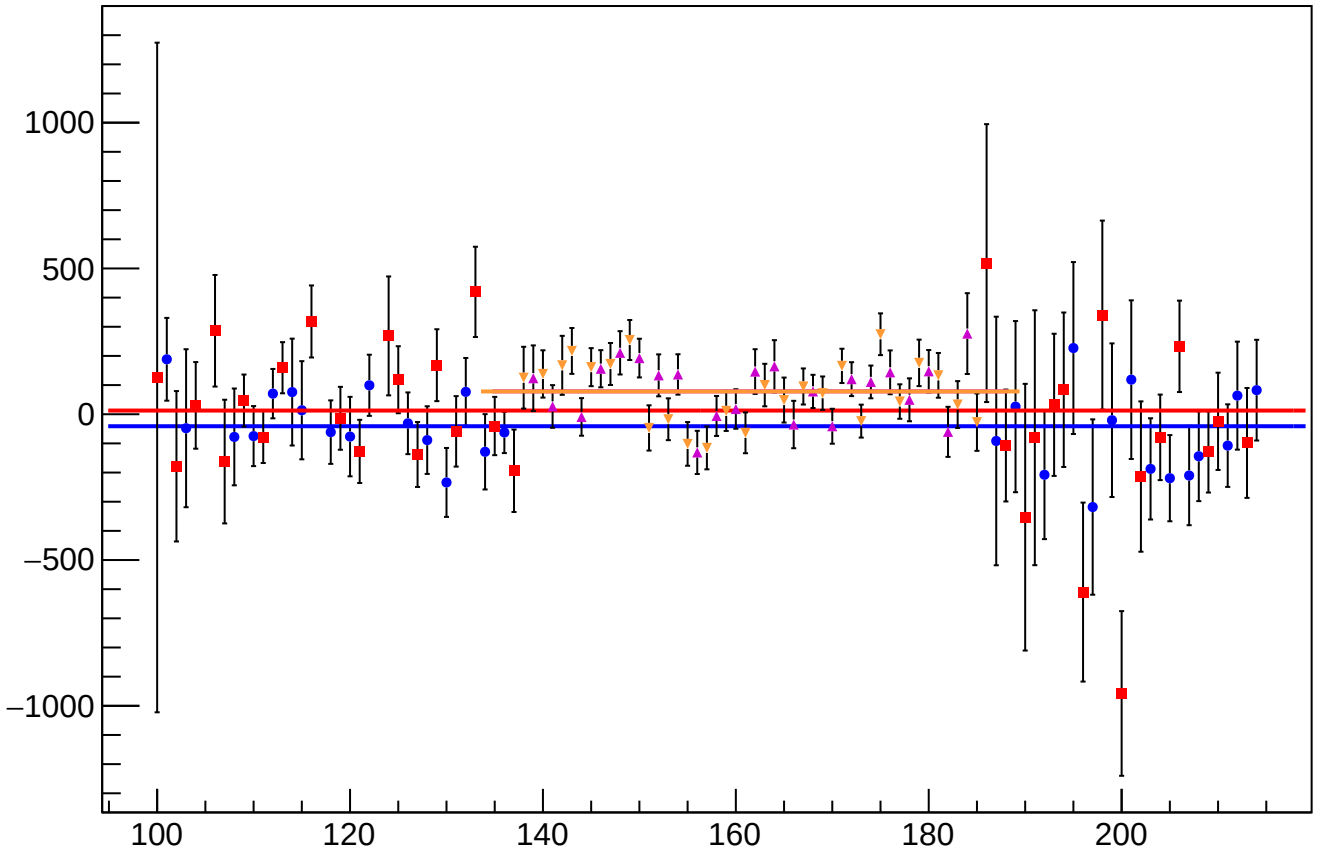
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1252.621+/-0.157 χ^2/NDF: 10366584.4/63

In: 645.032+/-0.085 χ^2/NDF:15147221.9/52

Out: 646.691+/-0.084 χ^2/NDF:16581556.9/58

All: 645.873+/-0.060 χ^2/NDF: 31728971.9/1



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

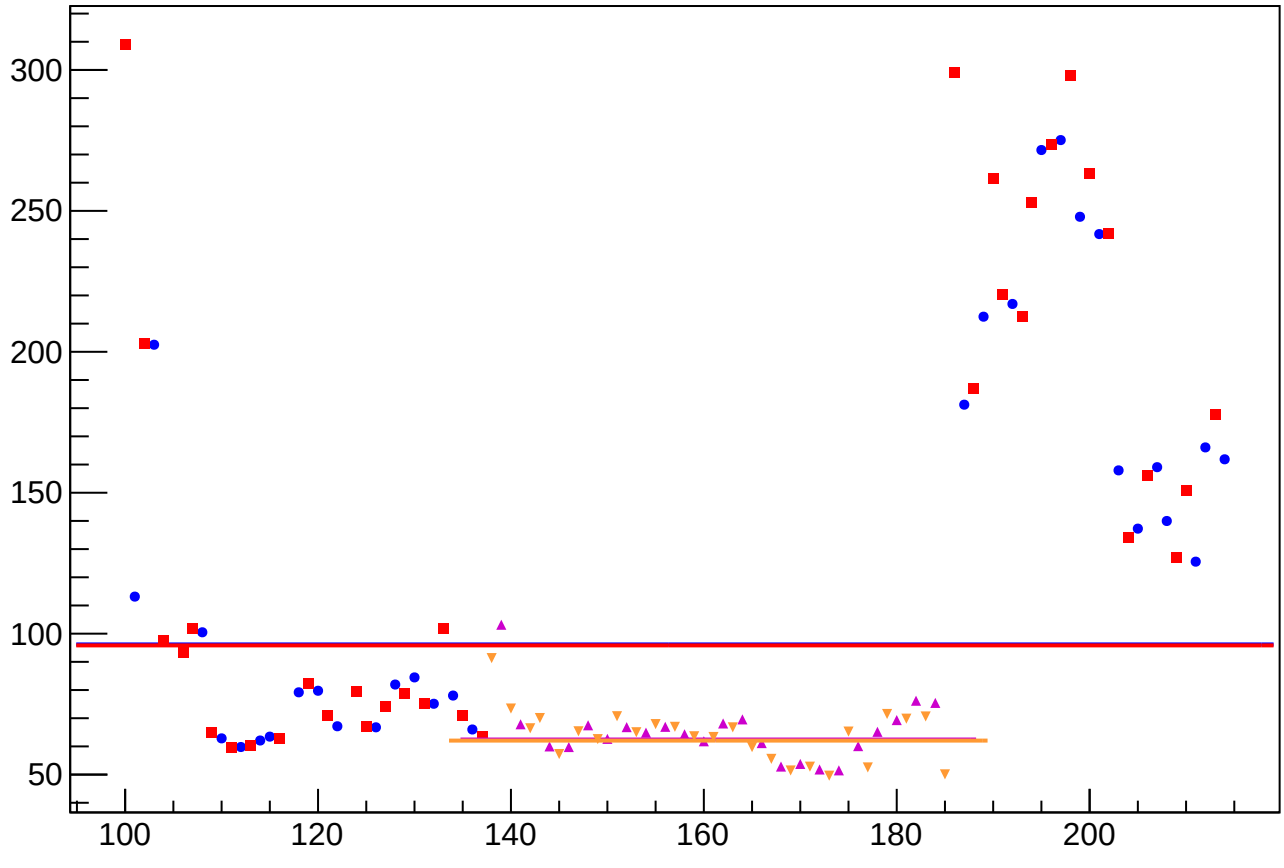
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -14.193+/-17.930 χ^2/NDF: 75.4/63

In: 48.112+/-12.792 χ^2/NDF:71.9/52

Out: 62.288+/-12.470 χ^2/NDF:113.4/58

All: 55.381+/-8.929 χ^2/NDF: 185.9/111



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

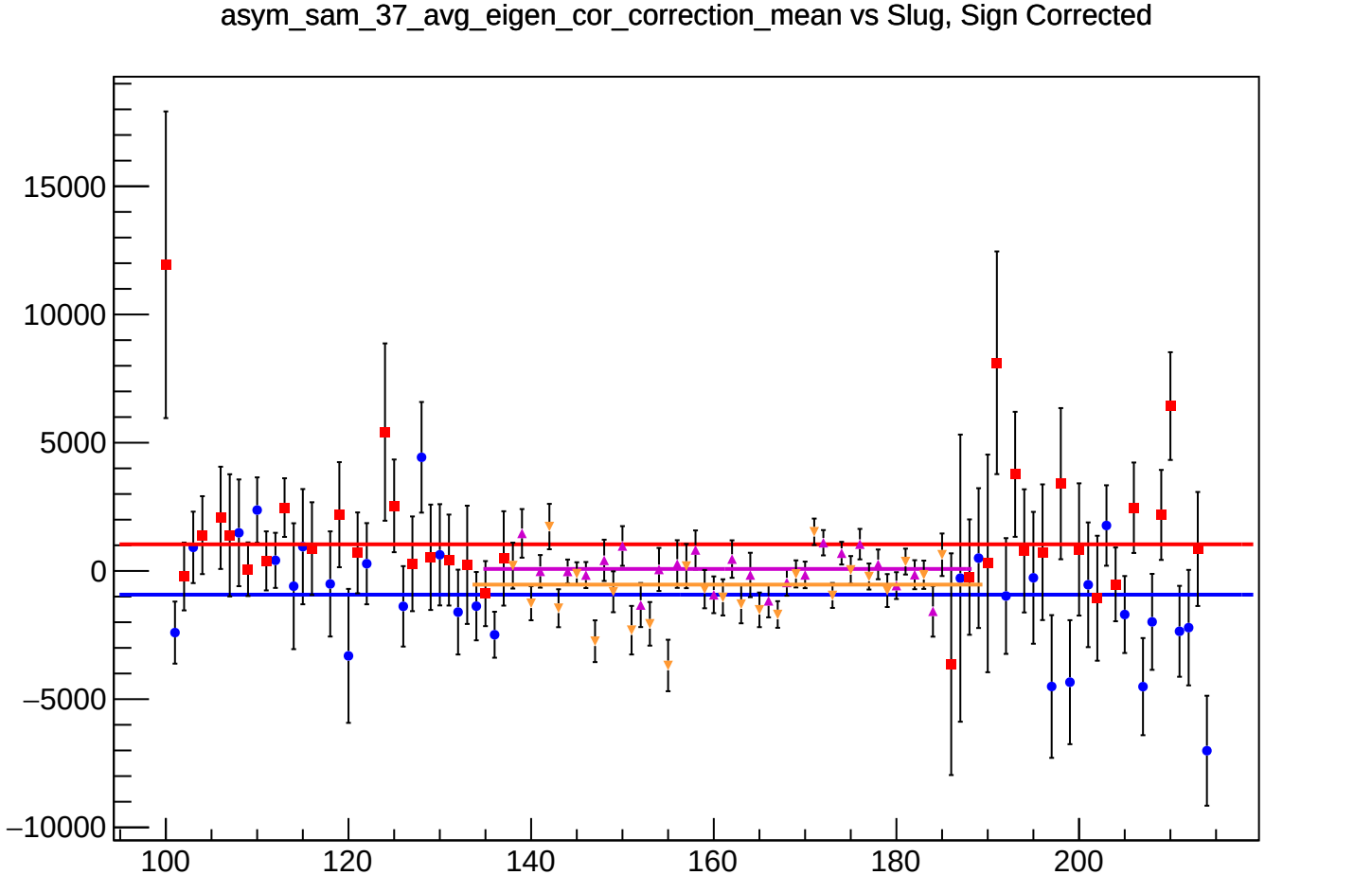
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 96.010+/-0.013 χ^2/NDF: 15567135.3/63

In: 71.016+/-0.009 χ^2/NDF:10414128.6/52

Out: 70.246+/-0.009 χ^2/NDF:11834009.6/58

All: 70.621+/-0.006 χ^2/NDF: 22251858.4/111



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

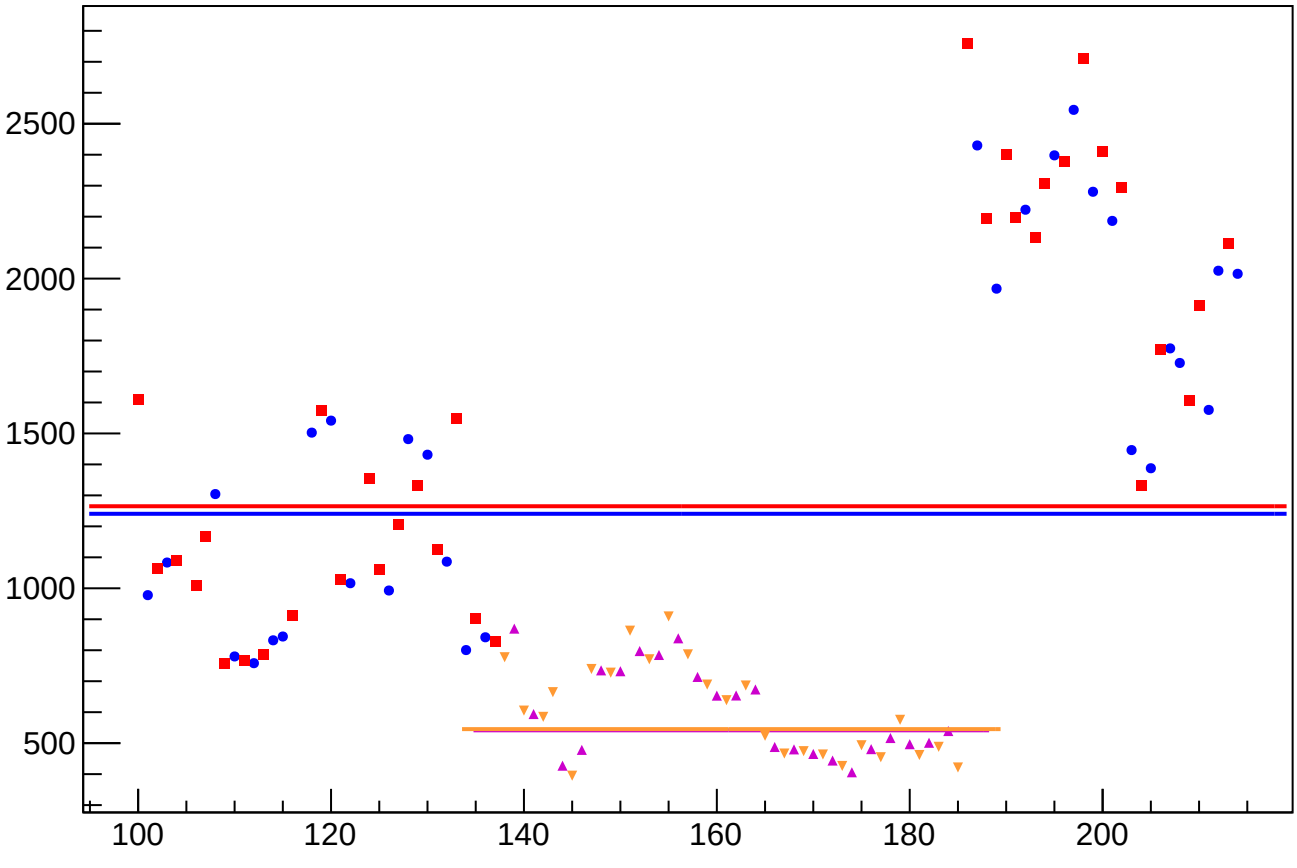
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 45.996+/-222.159 χ^2/NDF: 93.5/63

In: -71.153+/-120.277 χ^2/NDF:82.5/52

Out: -311.390+/-118.573 χ^2/NDF:118.9/58

All: -192.985+/-84.440 χ^2/NDF: 203.4/111



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

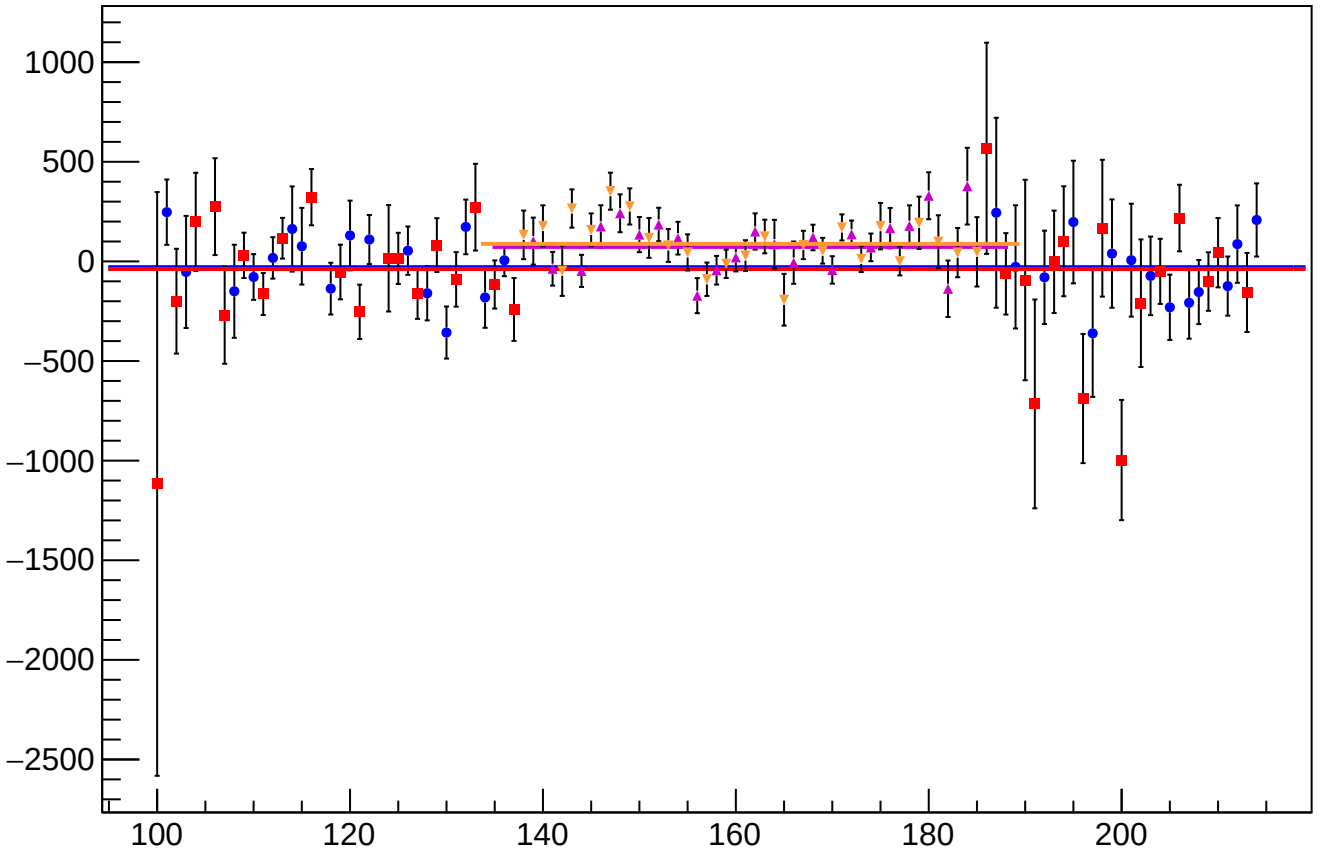
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1252.621+/-0.157 χ^2/NDF: 10366584.4/63

In: 645.032+/-0.085 χ^2/NDF:15147221.9/52

Out: 646.691+/-0.084 χ^2/NDF:16581556.9/58

All: 645.873+/-0.060 χ^2/NDF: 31728971.9/11



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

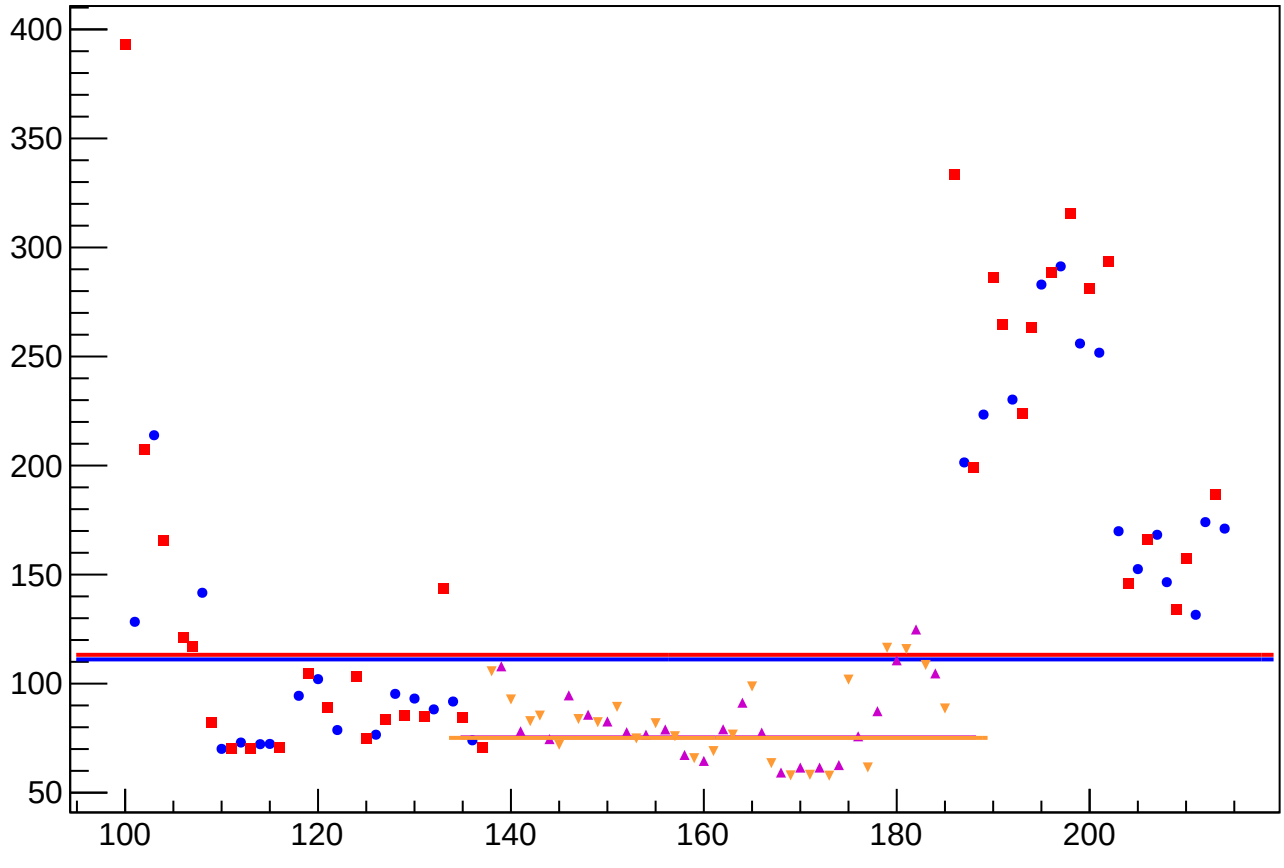
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -33.484+/-20.707 χ^2/NDF: 71.0/63

In: 43.860+/-15.459 χ^2/NDF:73.4/52

Out: 54.681+/-15.219 χ^2/NDF:95.2/58

All: 49.355+/-10.845 χ^2/NDF: 168.8/111



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

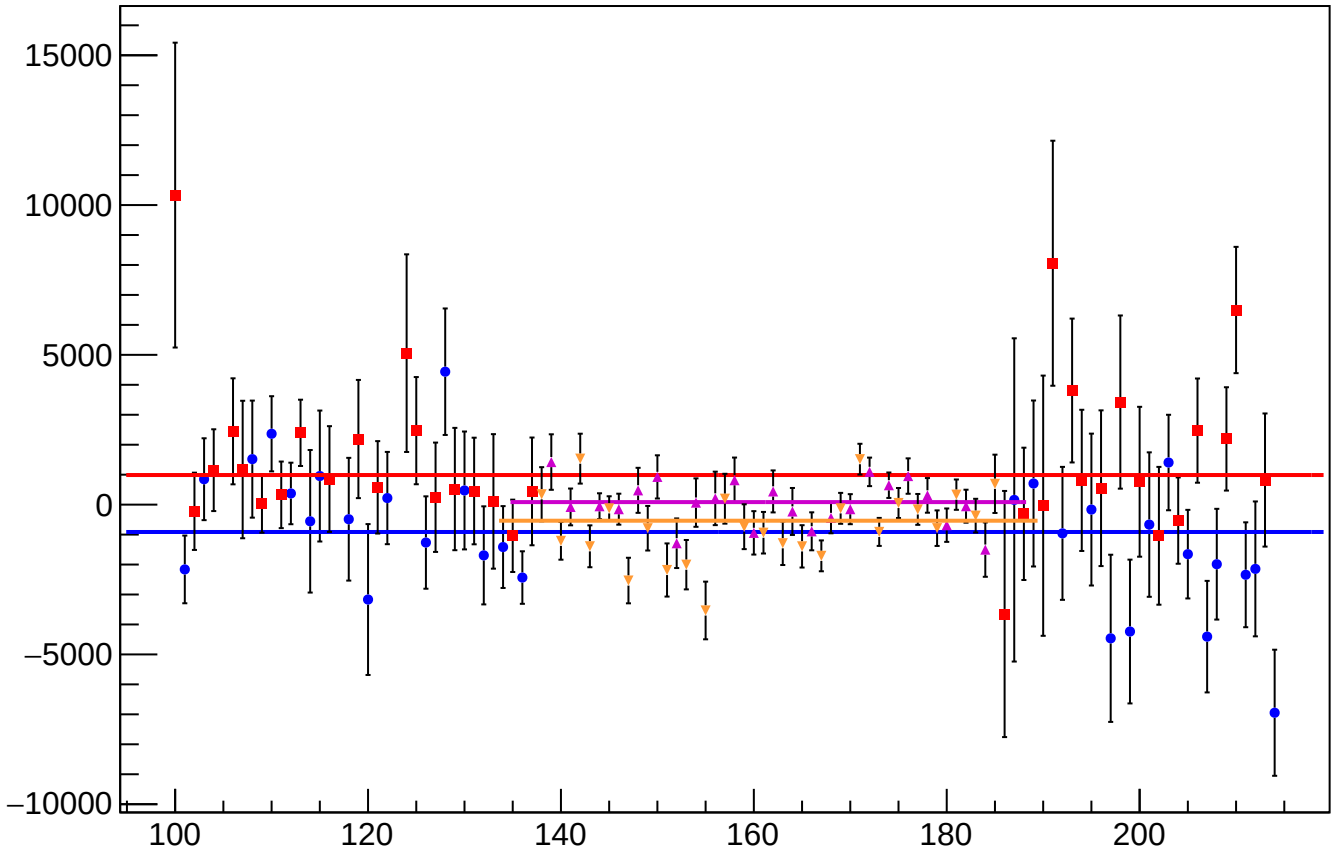
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 112.138+/-0.015 χ^2/NDF: 13745442.2/63

In: 85.533+/-0.011 χ^2/NDF:9563099.4/52

Out: 85.198+/-0.011 χ^2/NDF:11616695.6/58

All: 85.363+/-0.008 χ^2/NDF: 21180272.8/111



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

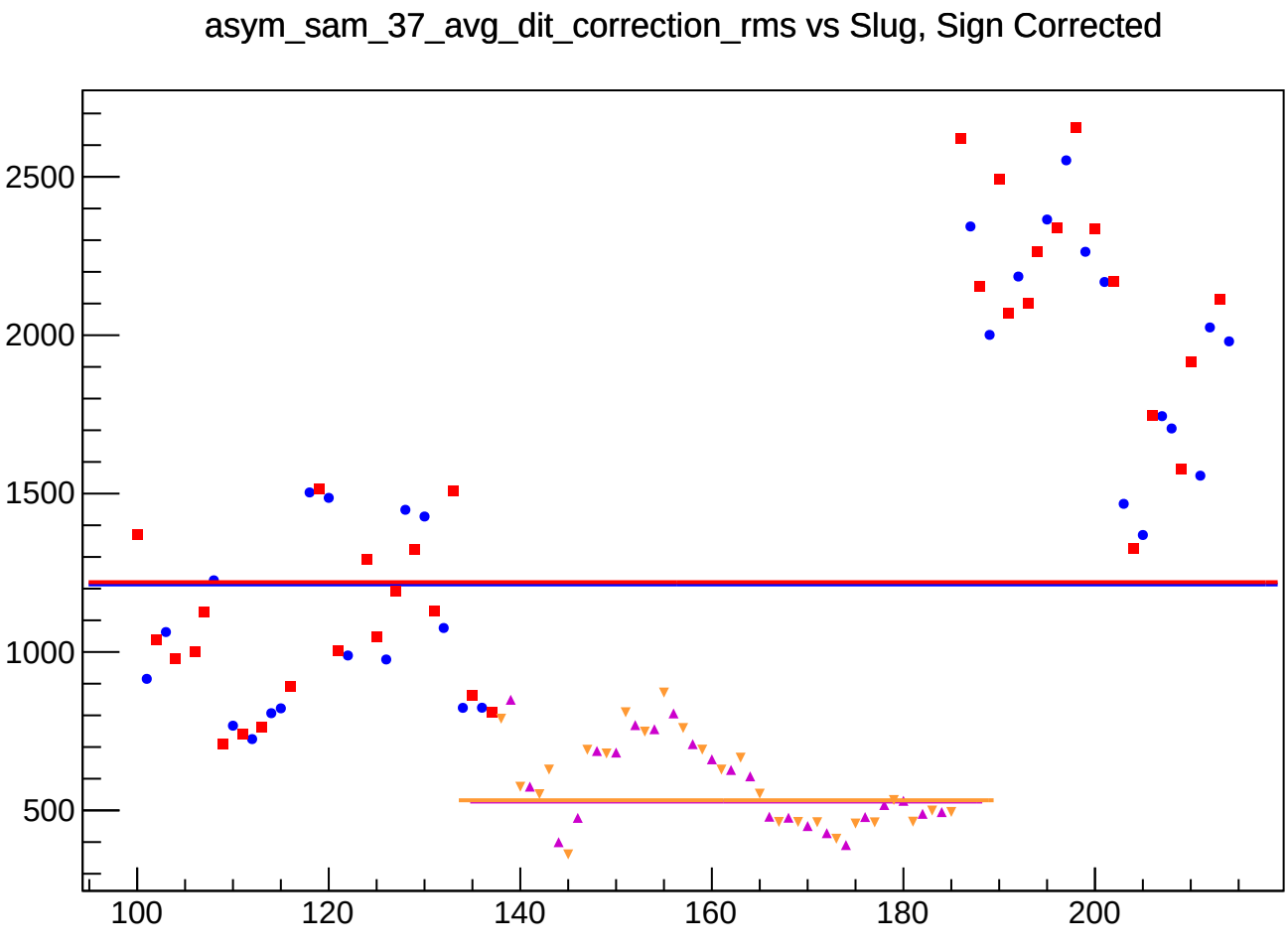
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

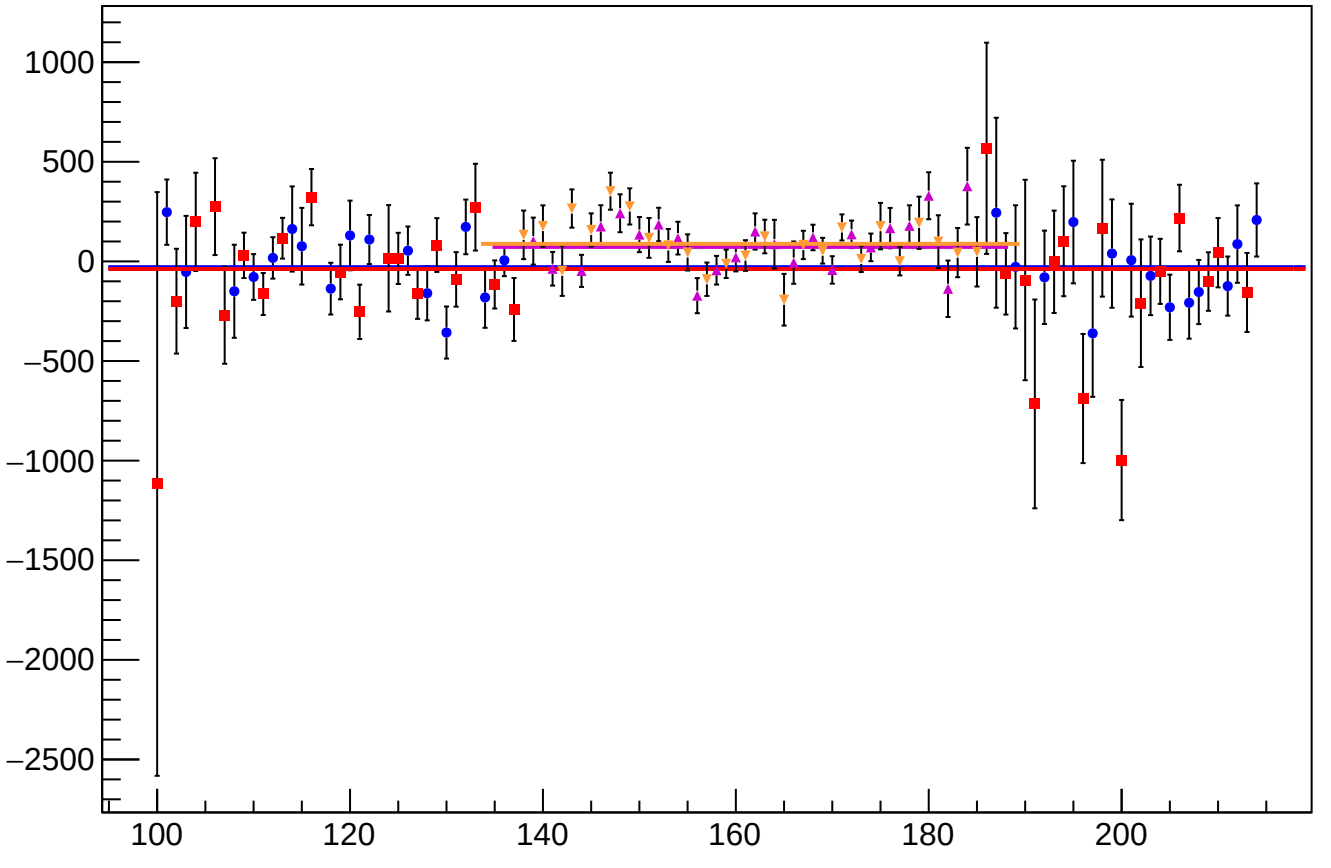
Right: 40.709+/-216.207 χ^2/NDF: 94.7/63

In: -61.809+/-117.345 χ^2/NDF:81.3/52

Out: -319.371+/-115.258 χ^2/NDF:119.1/58

All: -192.901+/-82.228 χ^2/NDF: 202.8/111


asym_sam_37_avg_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1213.307+/-0.217 χ²/NDF: 4946950.8/29
Left Out: 531.872+/-0.088 χ²/NDF:2037750.0/24
Right Out: 1220.323+/-0.216 χ²/NDF: 5828233.7/33
Left In: 527.986+/-0.090 χ²/NDF:1800455.5/22
Left: 529.969+/-0.063 χ²/NDF: 3839160.5/47
Right: 1216.827+/-0.153 χ²/NDF: 10775711.1/63
In: 628.587+/-0.083 χ²/NDF:15291177.2/52
Out: 630.022+/-0.081 χ²/NDF:16588729.5/58
All: 629.317+/-0.058 χ²/NDF: 31880059.0/1



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

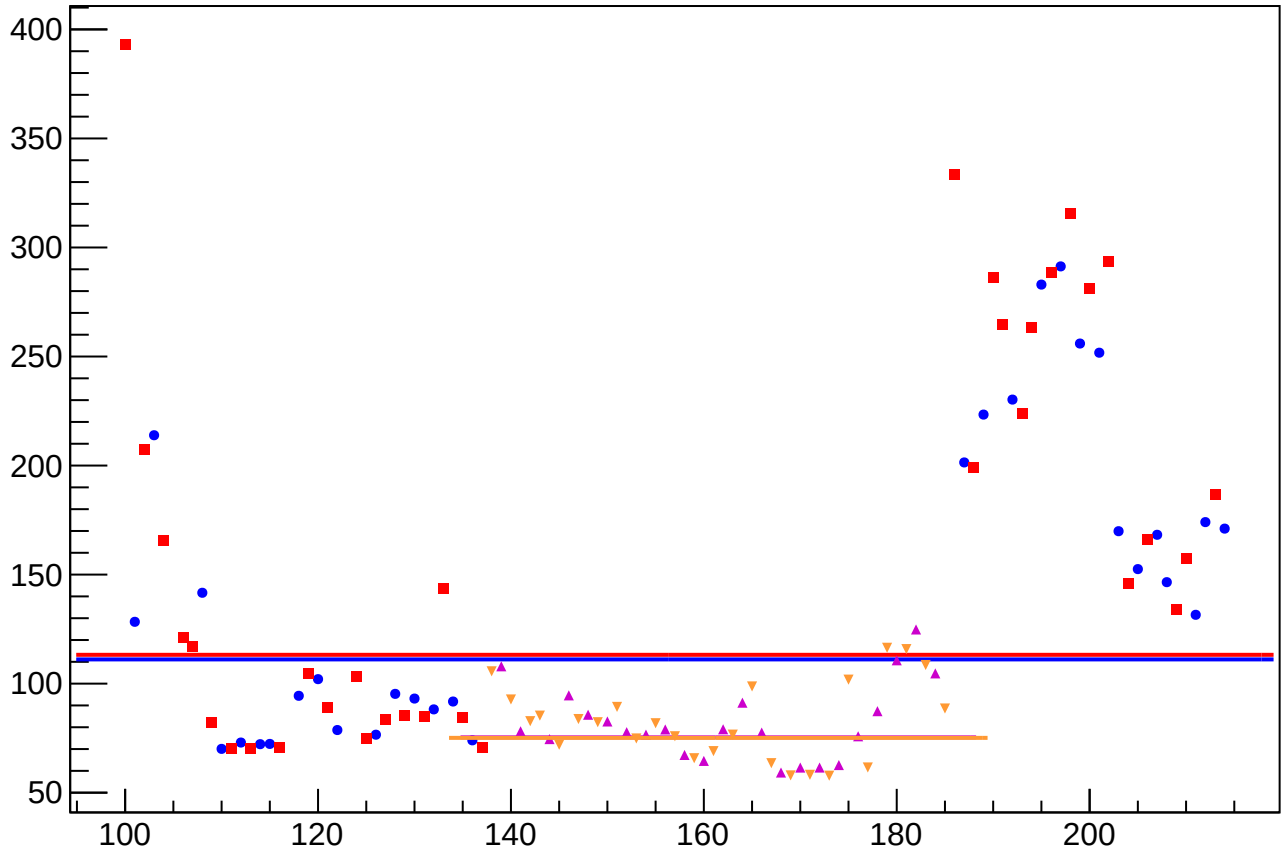
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -33.486+/-20.707 χ^2/NDF: 71.0/63

In: 43.860+/-15.459 χ^2/NDF:73.4/52

Out: 54.681+/-15.219 χ^2/NDF:95.2/58

All: 49.355+/-10.845 χ^2/NDF: 168.8/111



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

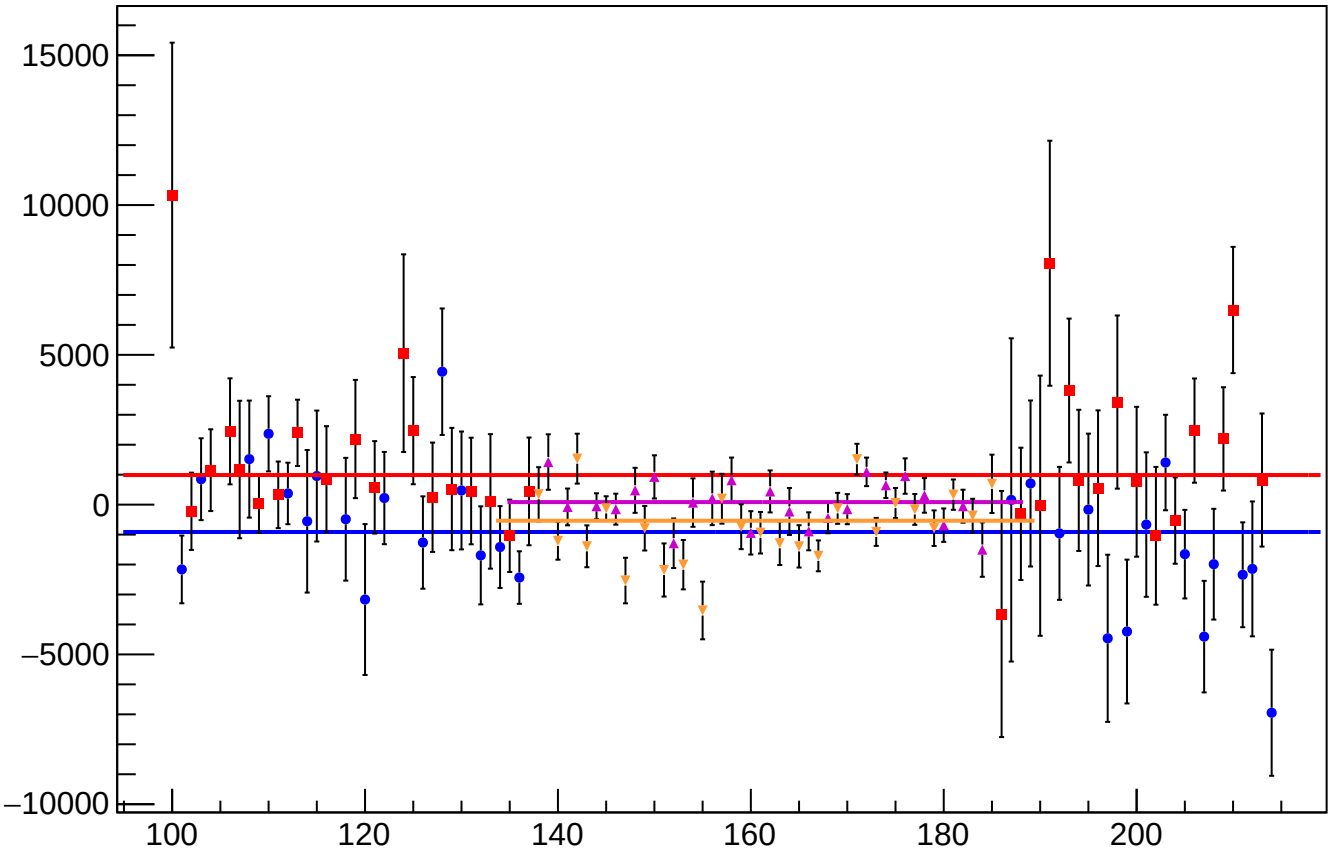
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 112.138+/-0.015 χ^2/NDF: 13745354.7/63

In: 85.533+/-0.011 χ^2/NDF:9563066.6/52

Out: 85.198+/-0.011 χ^2/NDF:11616670.3/58

All: 85.363+/-0.008 χ^2/NDF: 21180214.5/111



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

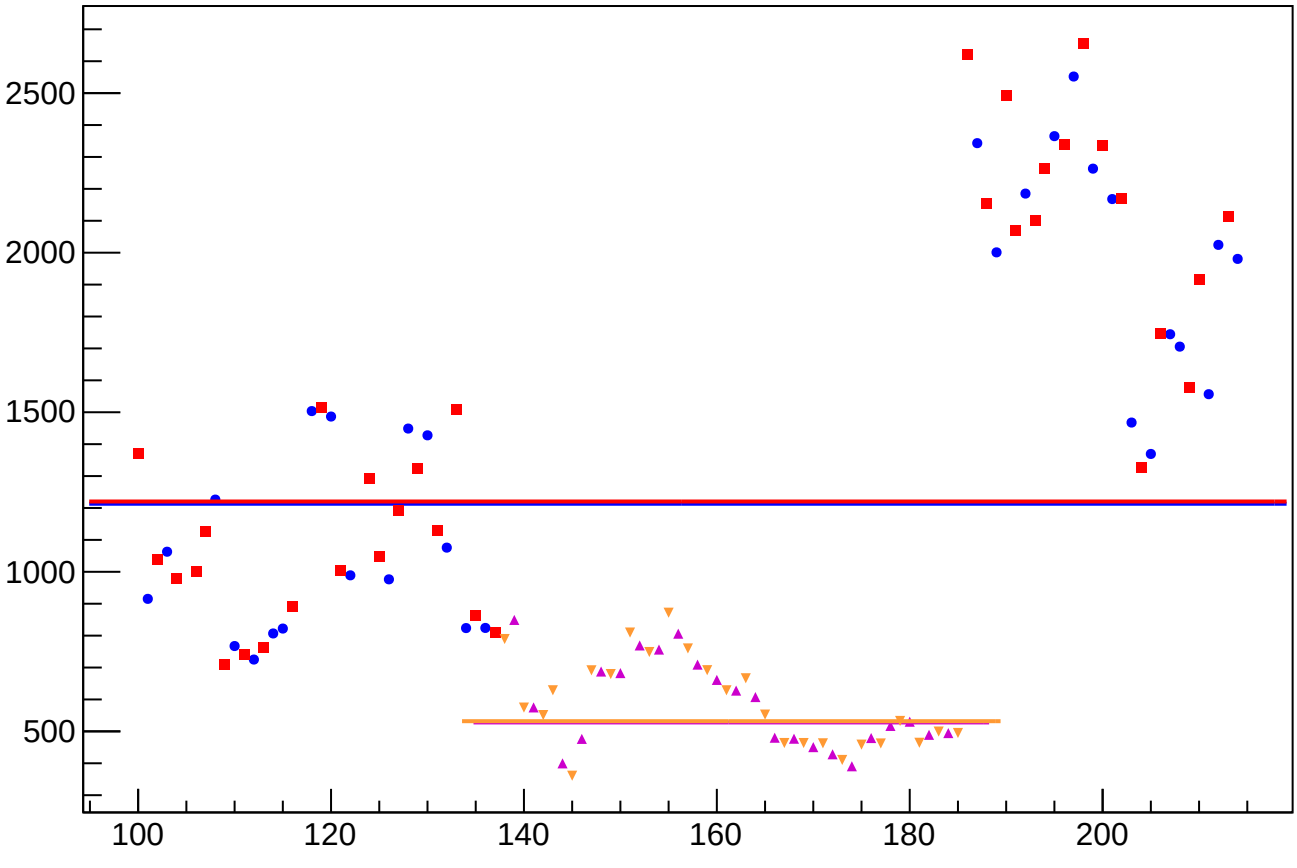
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 40.710+/-216.207 χ^2/NDF: 94.7/63

In: -61.809+/-117.345 χ^2/NDF:81.3/52

Out: -319.371+/-115.258 χ^2/NDF:119.1/58

All: -192.901+/-82.228 χ^2/NDF: 202.8/111



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

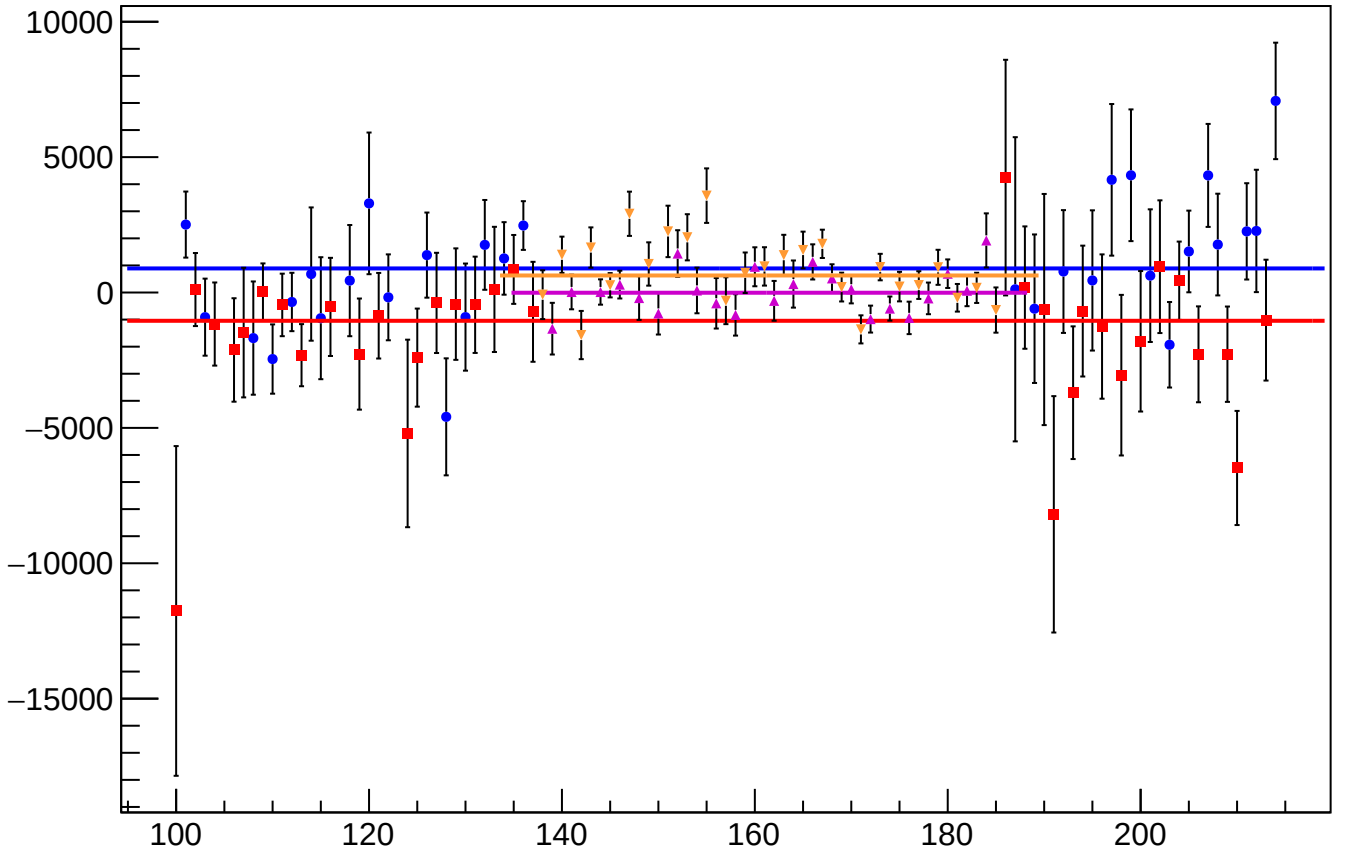
Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

Right: 1216.825+/-0.153 χ^2/NDF: 10775738.6/63

In: 628.586+/-0.083 χ^2/NDF:15291164.9/52

Out: 630.022+/-0.081 χ^2/NDF:16588715.9/58

All: 629.317+/-0.058 χ^2/NDF: 31880033.1/11



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

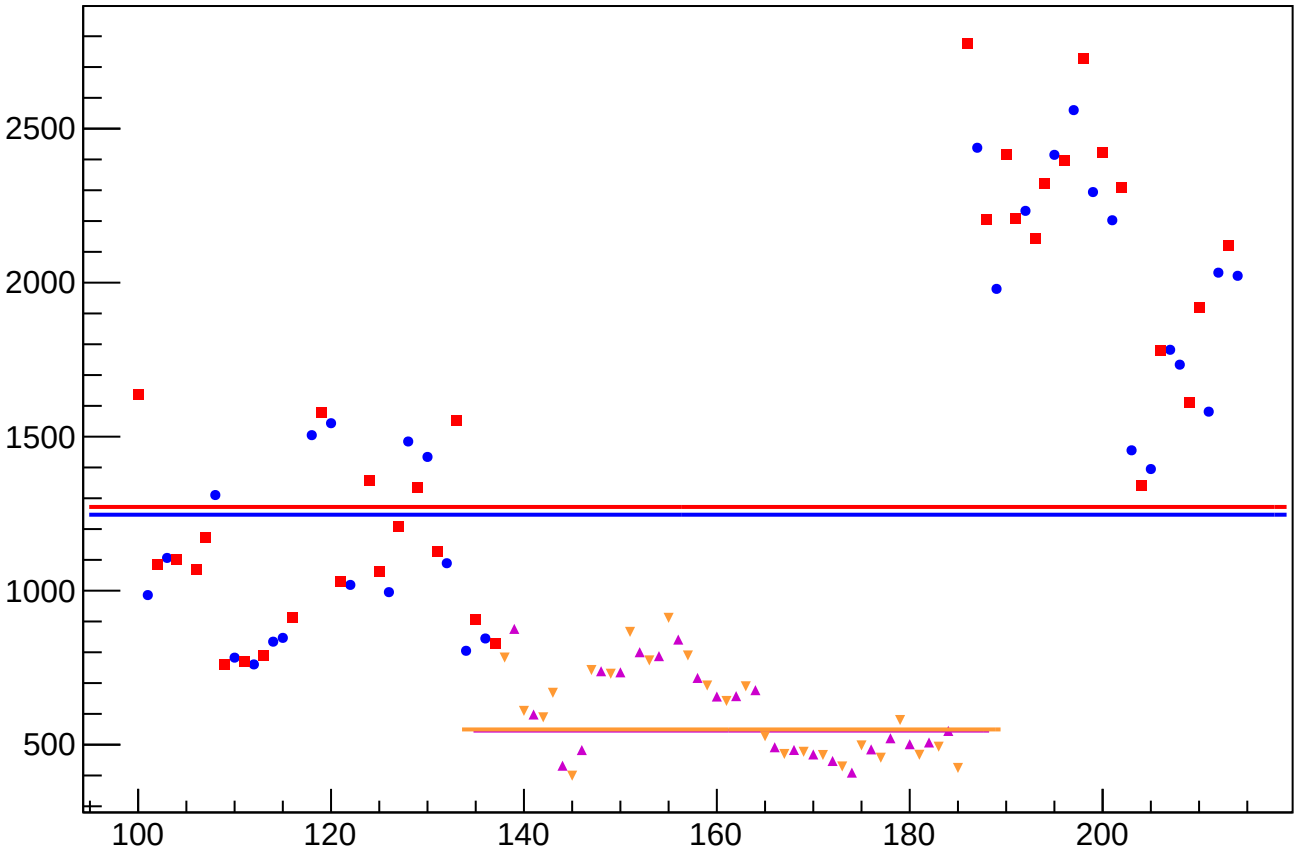
Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

Right: -68.269+/-223.109 χ^2/NDF: 92.0/63

In: 125.136+/-121.129 χ^2/NDF:80.0/52

Out: 392.089+/-119.371 χ^2/NDF:116.4/58

All: 260.564+/-85.023 χ^2/NDF: 198.8/111



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

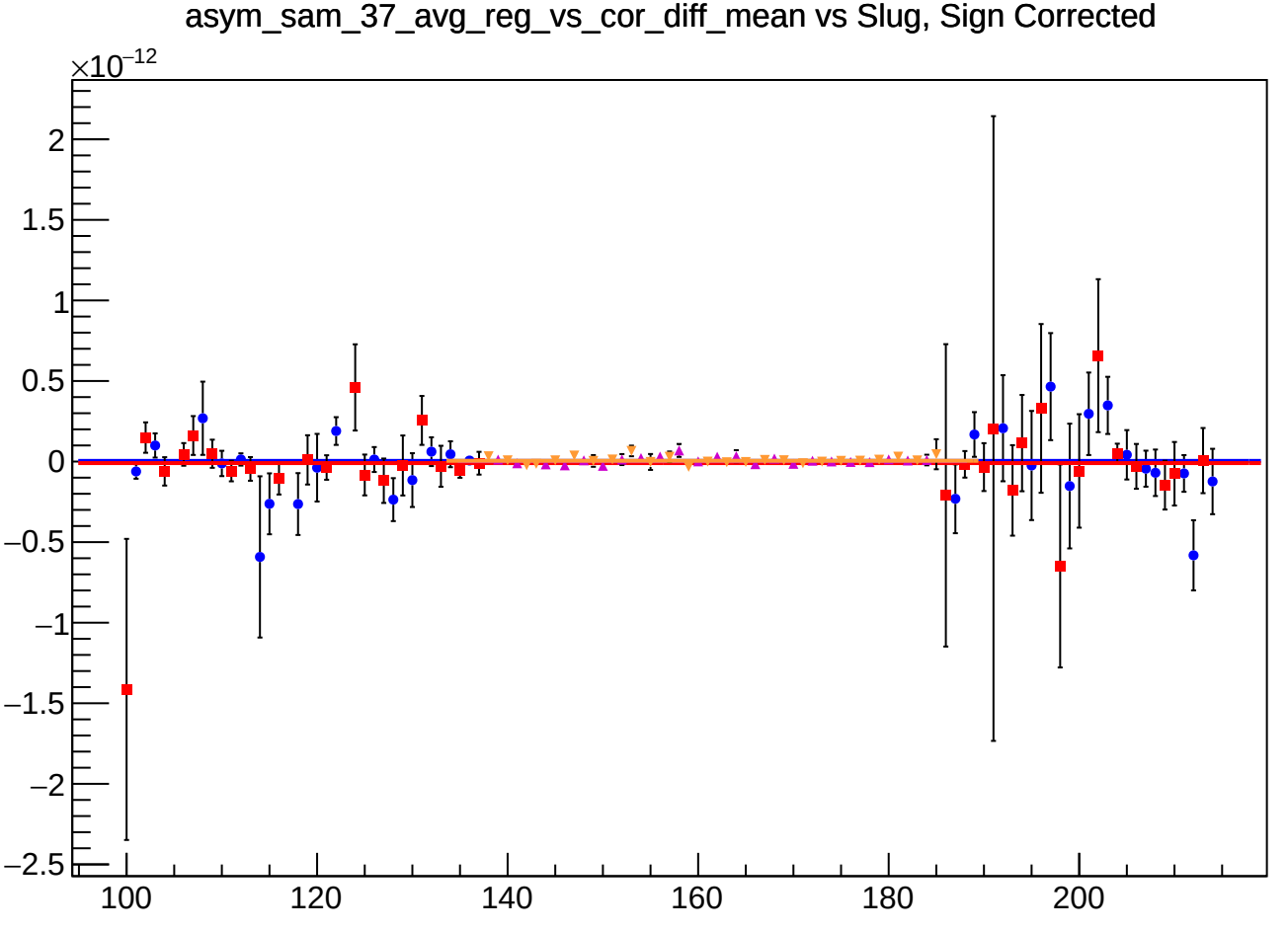
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1259.098+/-0.158 χ^2/NDF: 10368164.3/63

In: 649.994+/-0.086 χ^2/NDF:15078560.6/52

Out: 651.877+/-0.084 χ^2/NDF:16543186.6/58

All: 650.949+/-0.060 χ^2/NDF: 31621992.3/11



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

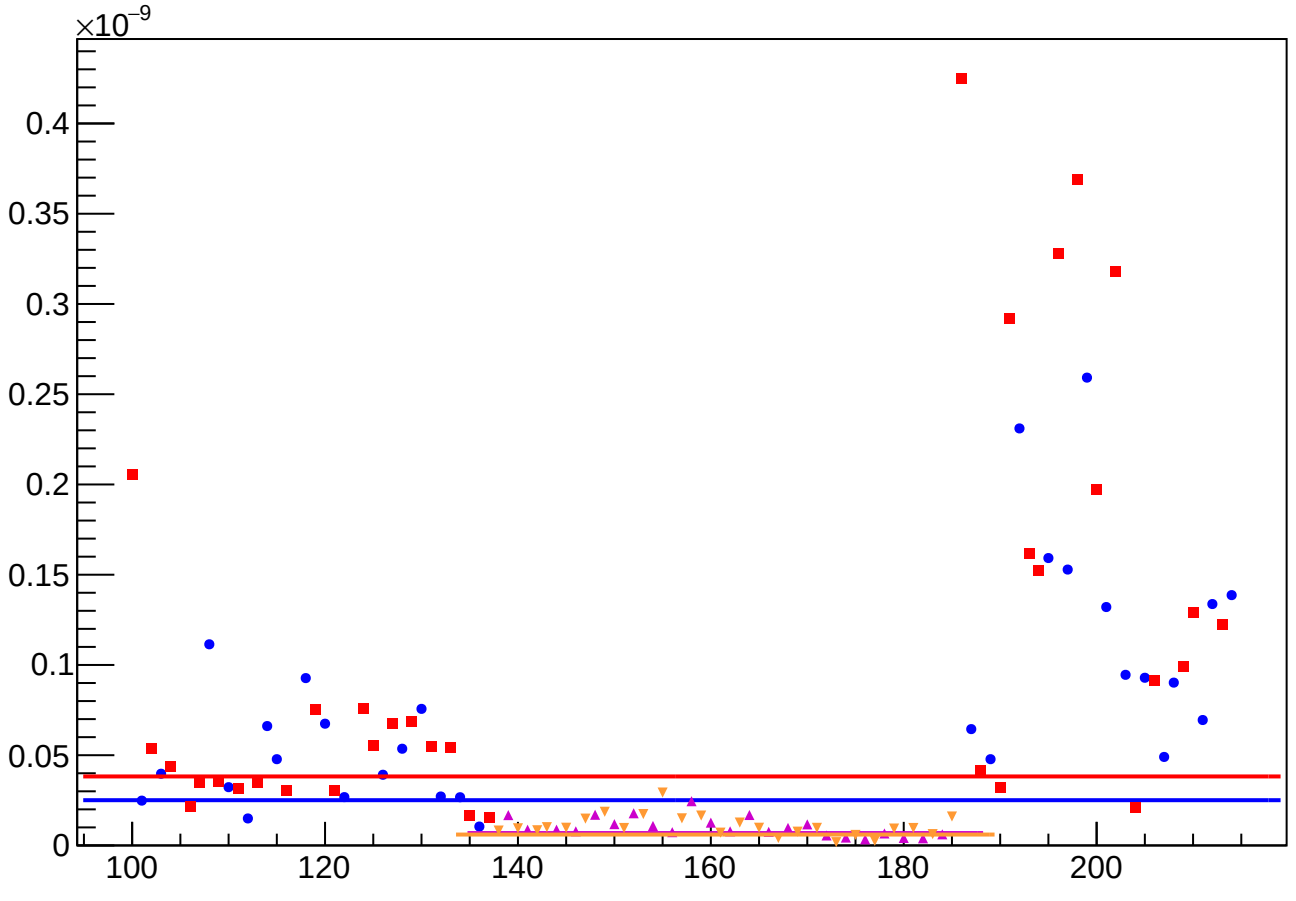
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 63.3/63

In: 0.000+/-0.000 χ^2/NDF:58.4/52

Out: 0.000+/-0.000 χ^2/NDF:40.8/58

All: 0.000+/-0.000 χ^2/NDF: 99.4/111



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

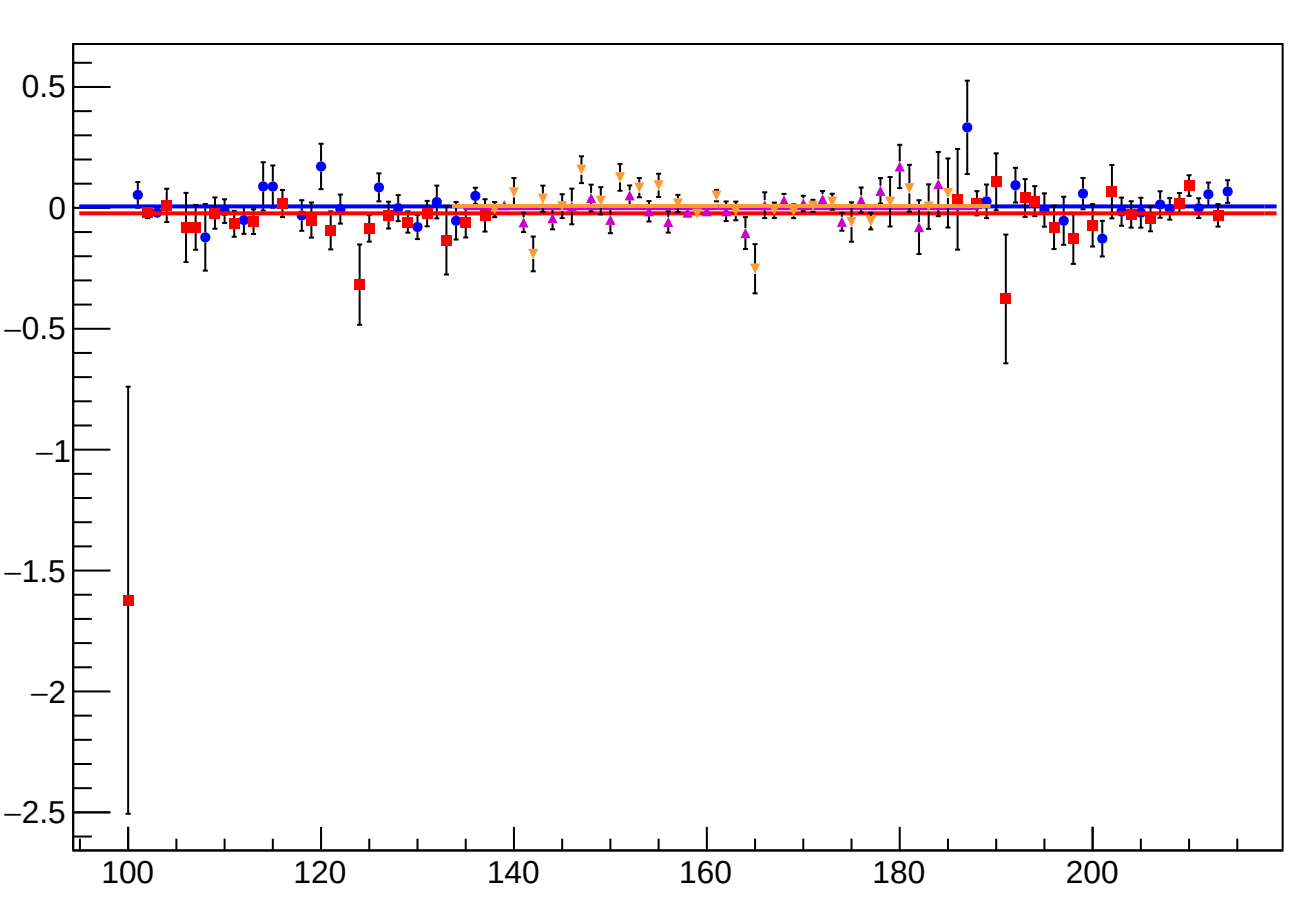
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14391294.6/63

In: 0.000+/-0.000 χ^2/NDF:13232064.1/52

Out: 0.000+/-0.000 χ^2/NDF:15853876.1/58

All: 0.000+/-0.000 χ^2/NDF: 29179845.9/111



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

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

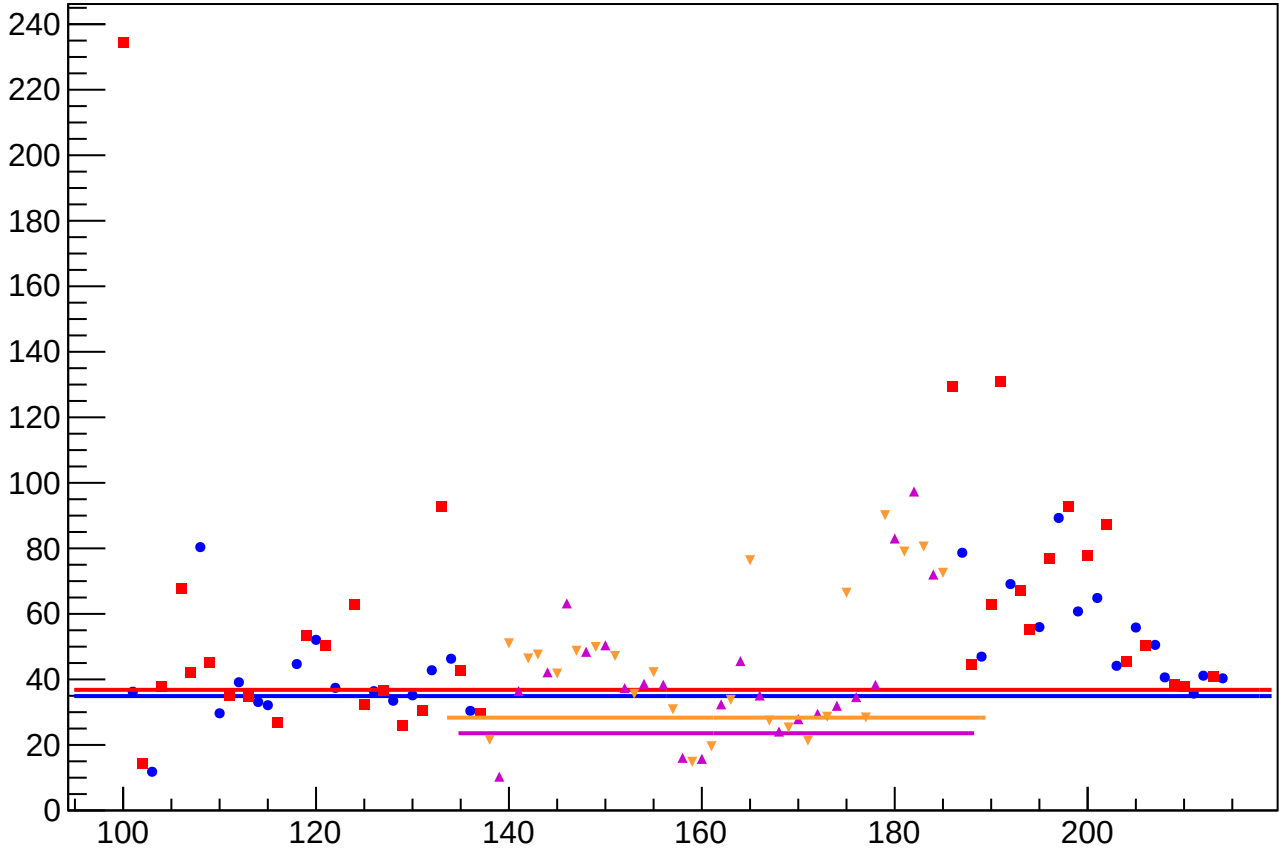
Right: -0.008+/-0.007 χ^2/NDF: 61.6/63

In: 0.001+/-0.006 χ^2/NDF:54.3/52

Out: -0.003+/-0.006 χ^2/NDF:82.1/58

All: -0.001+/-0.004 χ^2/NDF: 136.6/111

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

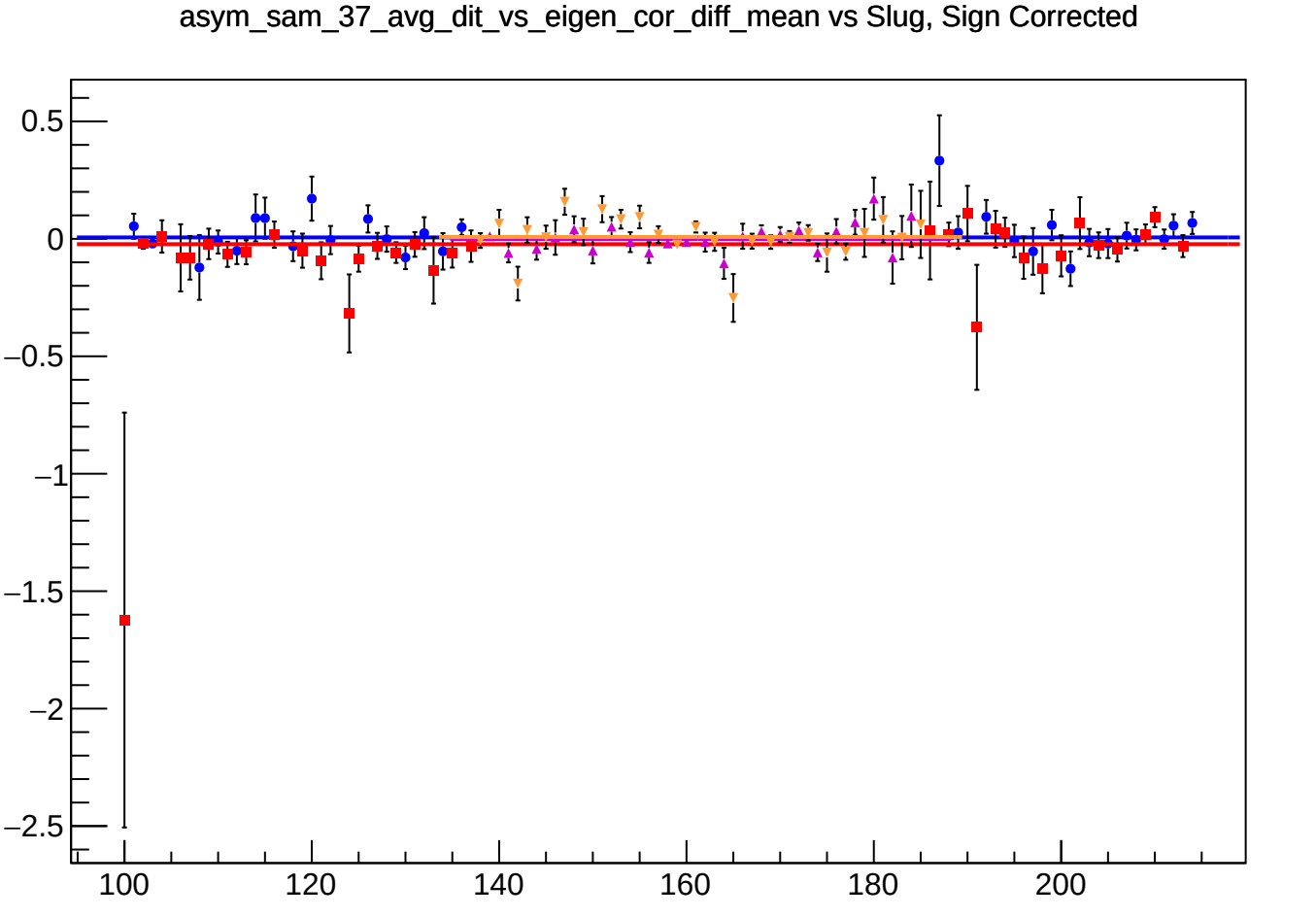
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 35.816+/-0.005 χ^2/NDF: 12408393.9/63

In: 27.386+/-0.004 χ^2/NDF:15967504.6/52

Out: 31.400+/-0.004 χ^2/NDF:14231842.2/58

All: 29.218+/-0.003 χ^2/NDF: 30677762.2/111



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

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

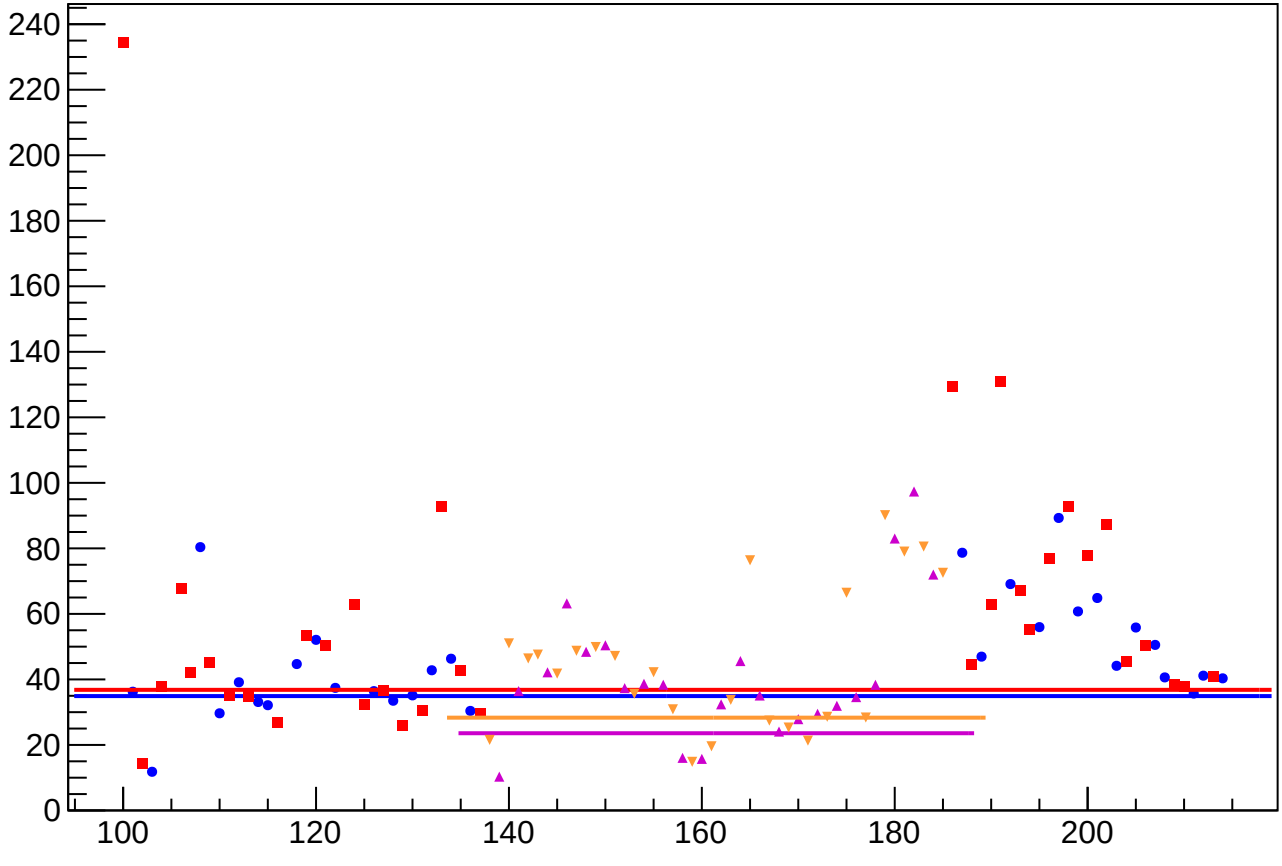
Right: -0.008+/-0.007 χ^2/NDF: 61.6/63

In: 0.001+/-0.006 χ^2/NDF:54.3/52

Out: -0.003+/-0.006 χ^2/NDF:82.1/58

All: -0.001+/-0.004 χ^2/NDF: 136.6/111

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

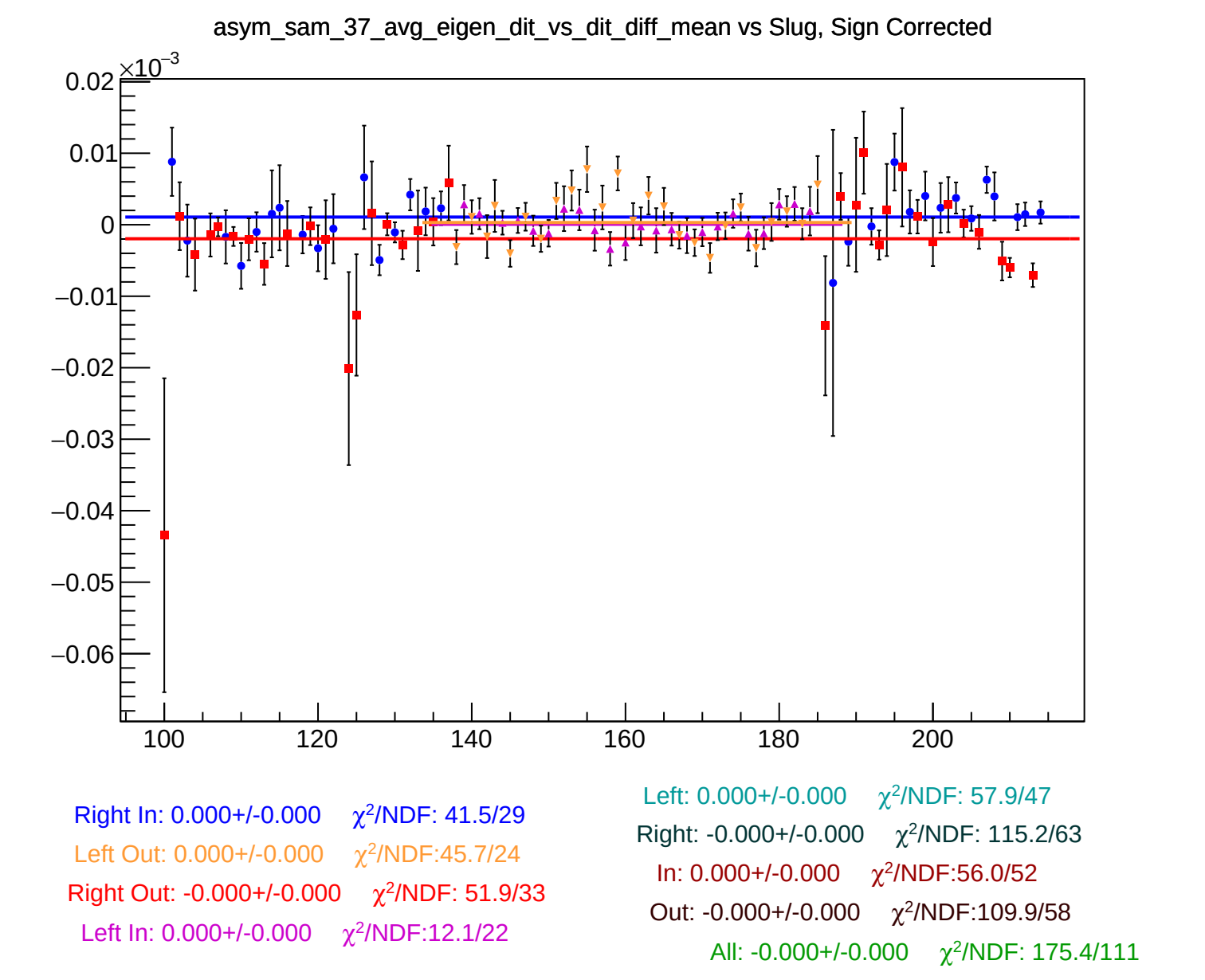
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

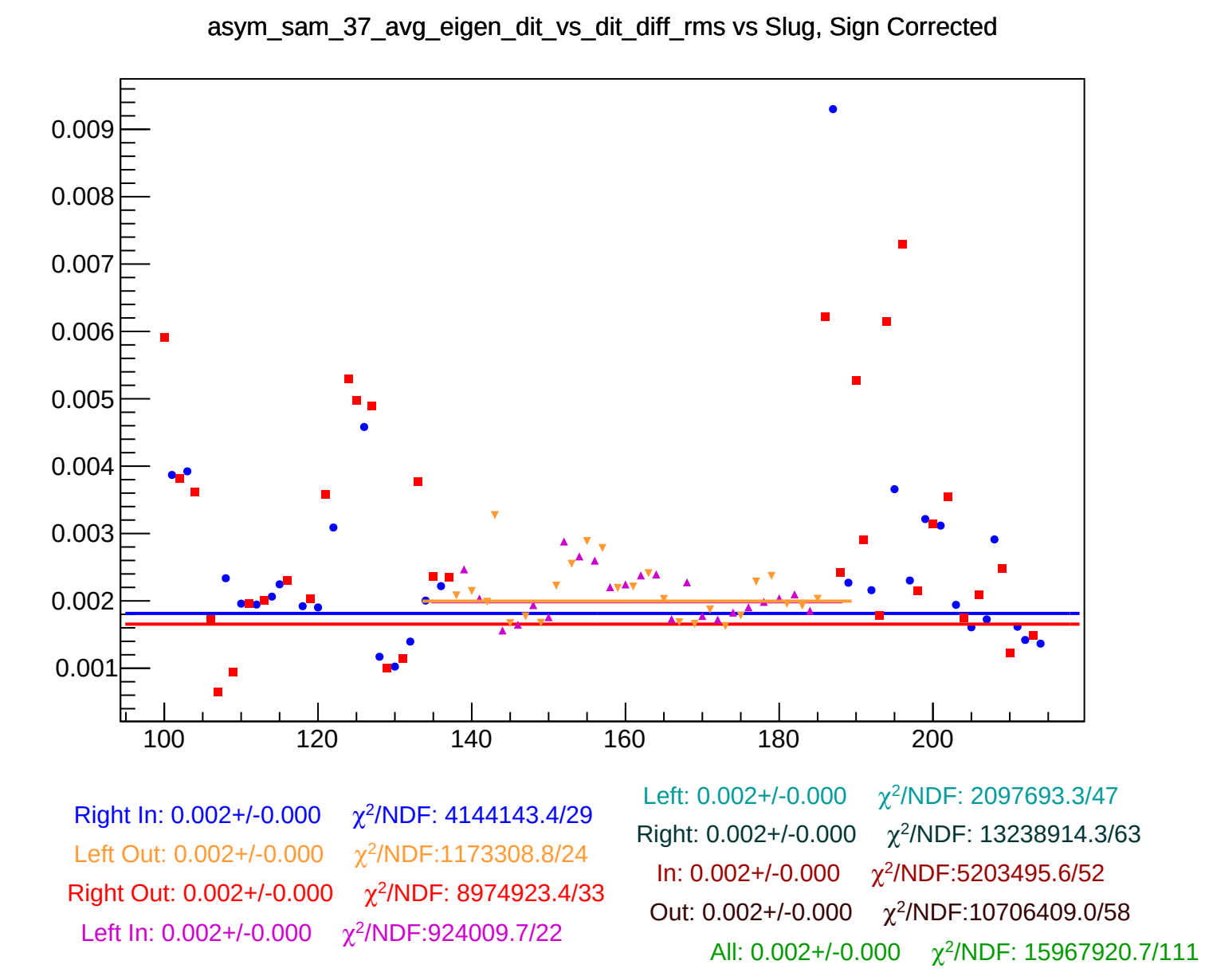
Right: 35.816+/-0.005 χ^2/NDF: 12408393.9/63

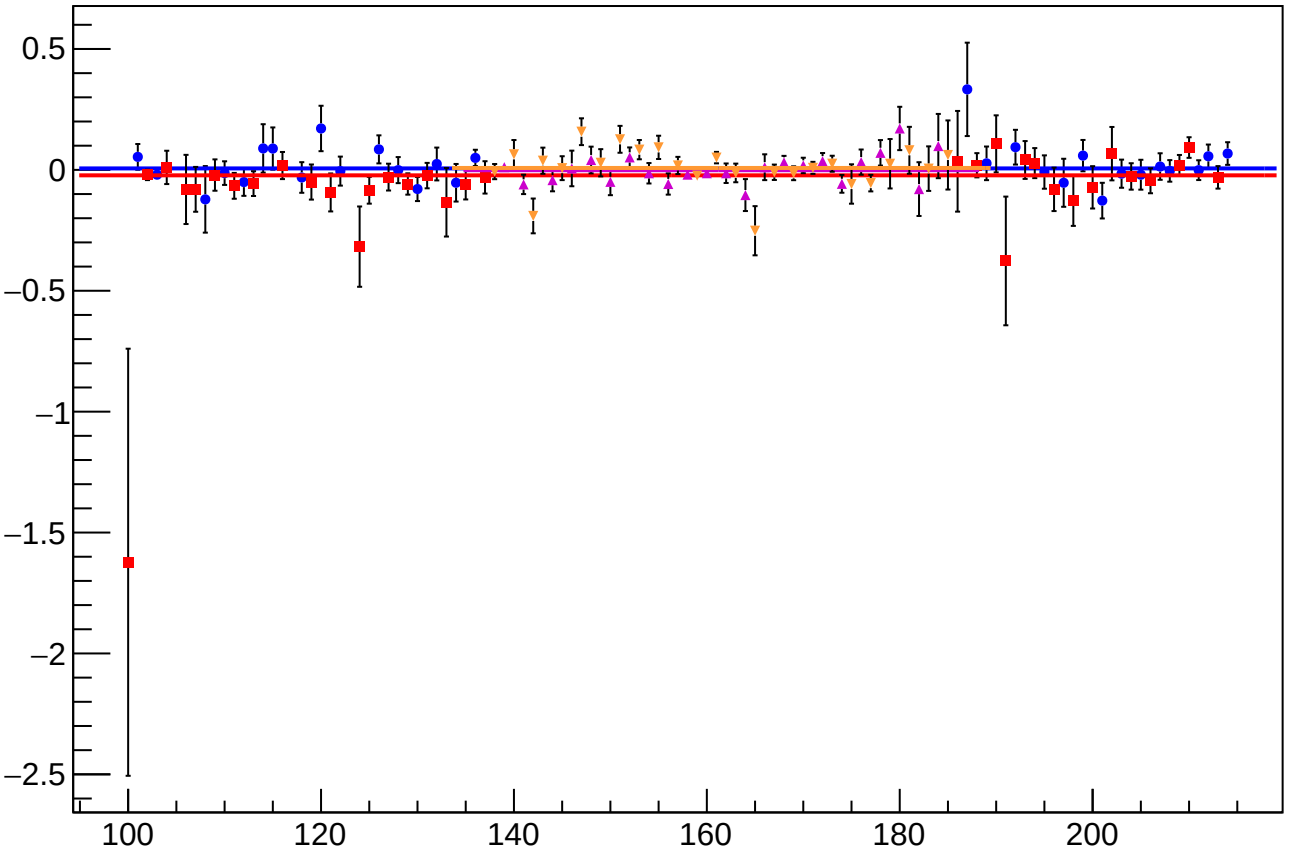
In: 27.386+/-0.004 χ^2/NDF:15967504.6/52

Out: 31.400+/-0.004 χ^2/NDF:14231842.2/58

All: 29.218+/-0.003 χ^2/NDF: 30677762.2/111


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 41.5/29
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 51.9/33
Left In: 0.000+/-0.000 χ²/NDF:12.1/22
Left: 0.000+/-0.000 χ²/NDF: 57.9/47
Right: -0.000+/-0.000 χ²/NDF: 115.2/63
In: 0.000+/-0.000 χ²/NDF:56.0/52
Out: -0.000+/-0.000 χ²/NDF:109.9/58
All: -0.000+/-0.000 χ²/NDF: 175.4/111


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 4144143.4/29
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.002+/-0.000 χ²/NDF: 8974923.4/33
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
Left: 0.002+/-0.000 χ²/NDF: 2097693.3/47
Right: 0.002+/-0.000 χ²/NDF: 13238914.3/63
In: 0.002+/-0.000 χ²/NDF:5203495.6/52
Out: 0.002+/-0.000 χ²/NDF:10706409.0/58
All: 0.002+/-0.000 χ²/NDF: 15967920.7/111



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

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

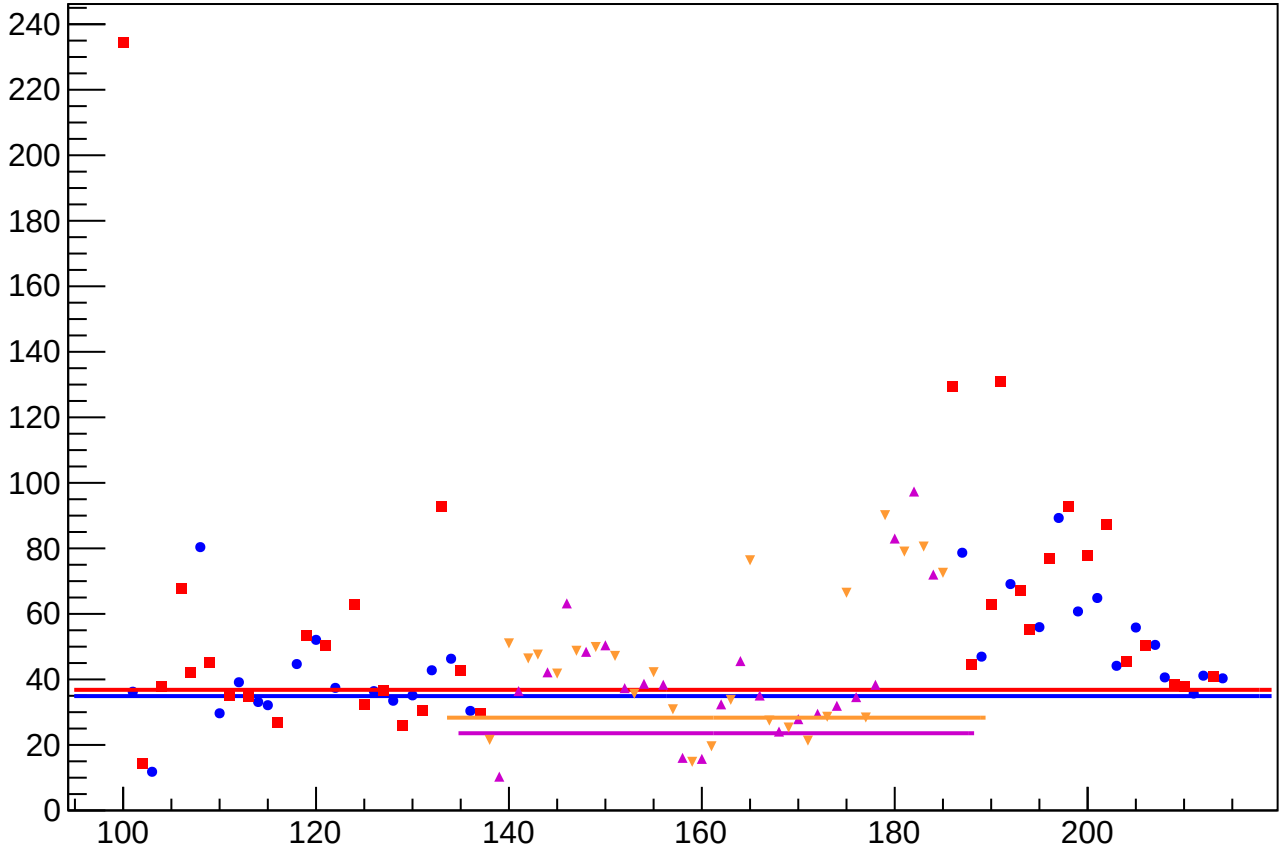
Right: -0.008+/-0.007 χ^2/NDF: 61.6/63

In: 0.001+/-0.006 χ^2/NDF:54.3/52

Out: -0.003+/-0.006 χ^2/NDF:82.1/58

All: -0.001+/-0.004 χ^2/NDF: 136.6/111

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

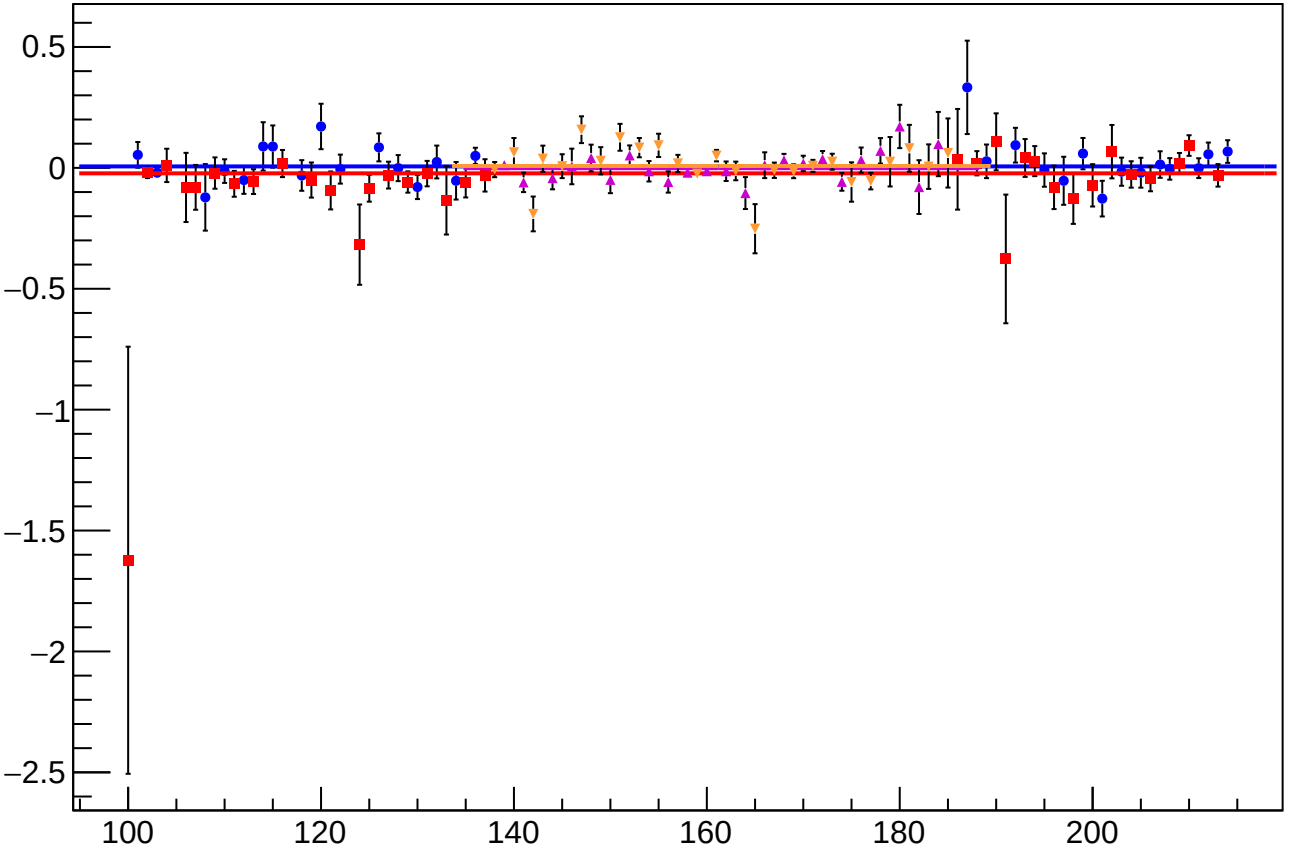
Right: 35.817+/-0.005 χ^2/NDF: 12407735.1/63

In: 27.385+/-0.004 χ^2/NDF:15969215.4/52

Out: 31.401+/-0.004 χ^2/NDF:14231630.9/58

All: 29.217+/-0.003 χ^2/NDF: 30679623.5/111

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

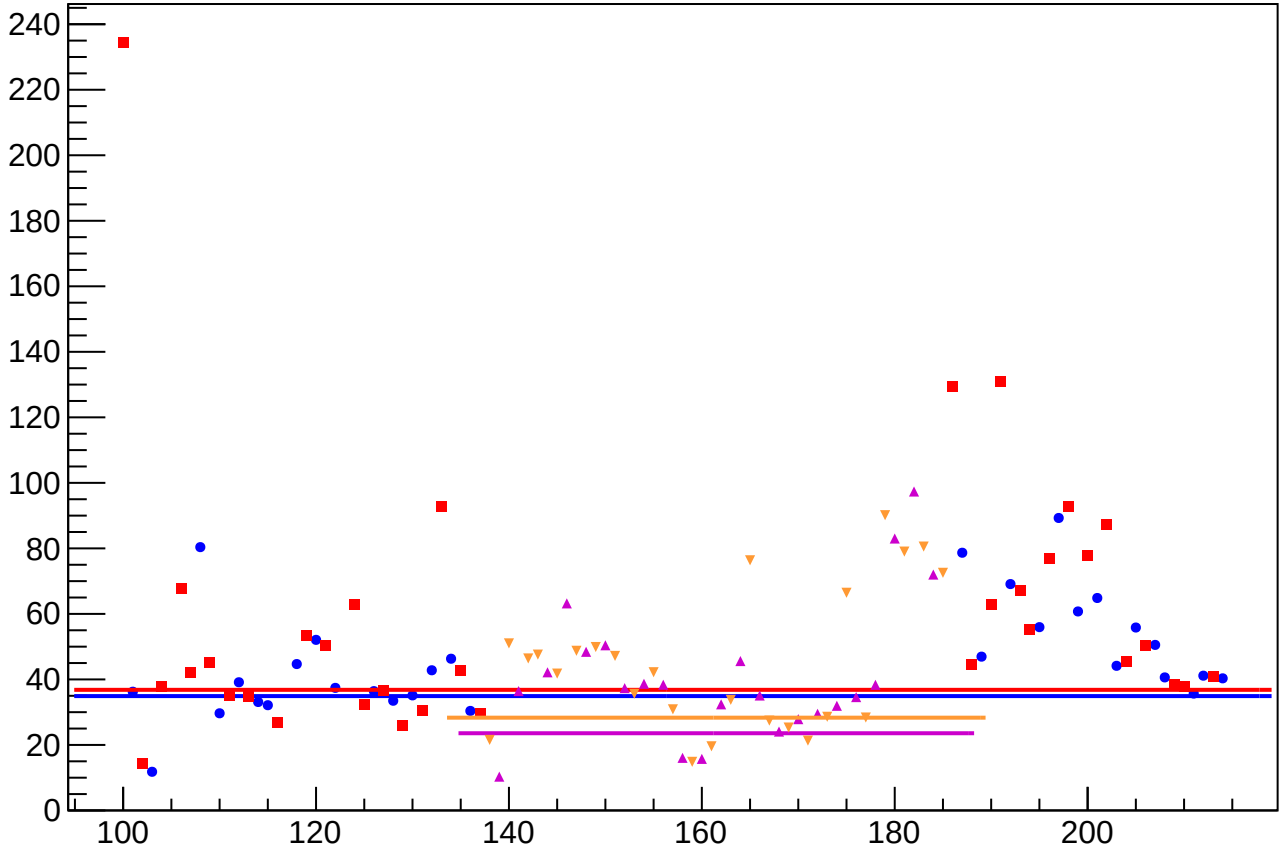
Right: -0.008+/-0.007 χ^2/NDF: 61.6/63

In: 0.001+/-0.006 χ^2/NDF:54.3/52

Out: -0.003+/-0.006 χ^2/NDF:82.1/58

All: -0.001+/-0.004 χ^2/NDF: 136.6/111

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

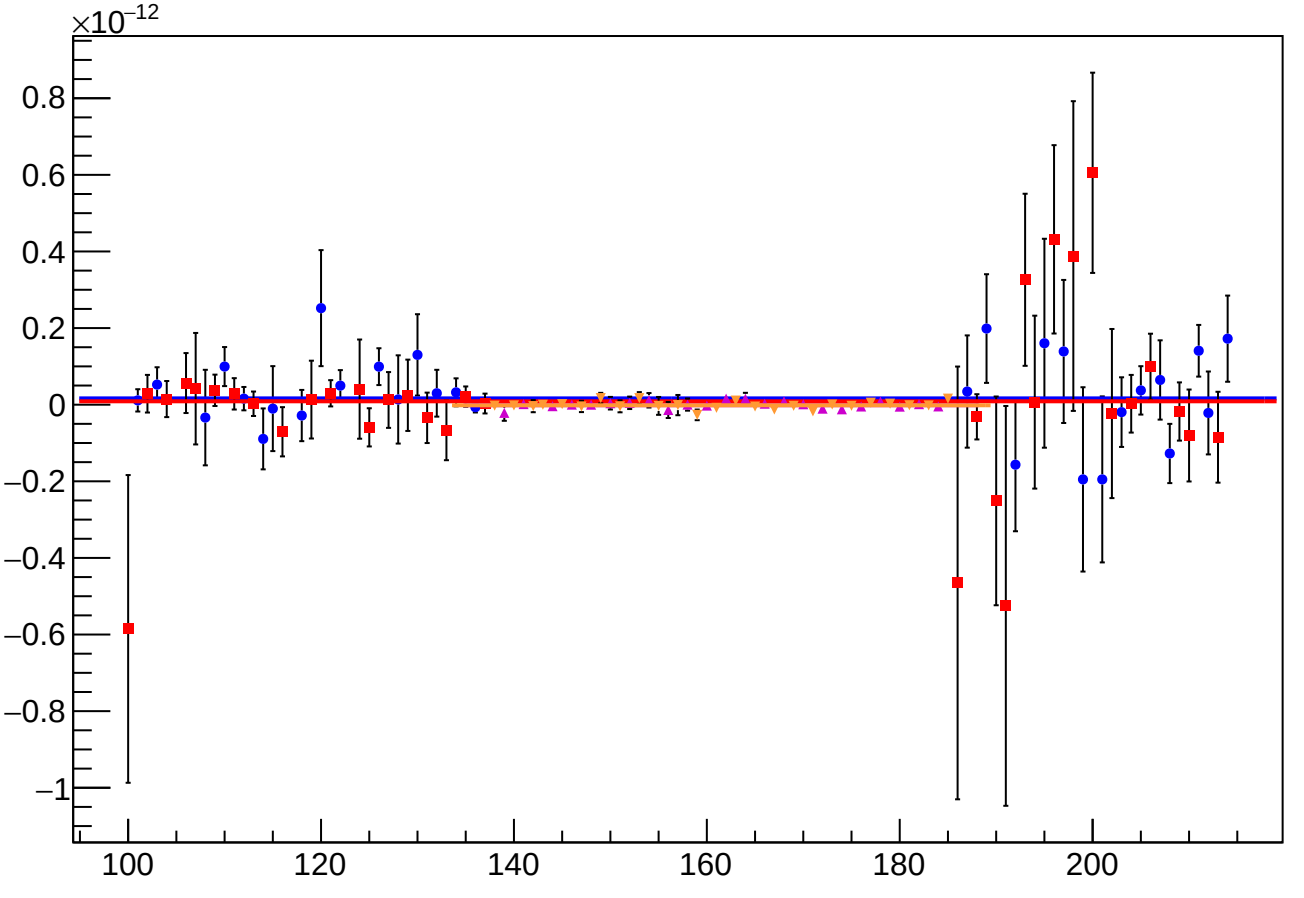
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 35.817+/-0.005 χ^2/NDF: 12407735.1/63

In: 27.385+/-0.004 χ^2/NDF:15969215.4/52

Out: 31.401+/-0.004 χ^2/NDF:14231630.9/58

All: 29.217+/-0.003 χ^2/NDF: 30679623.5/111



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

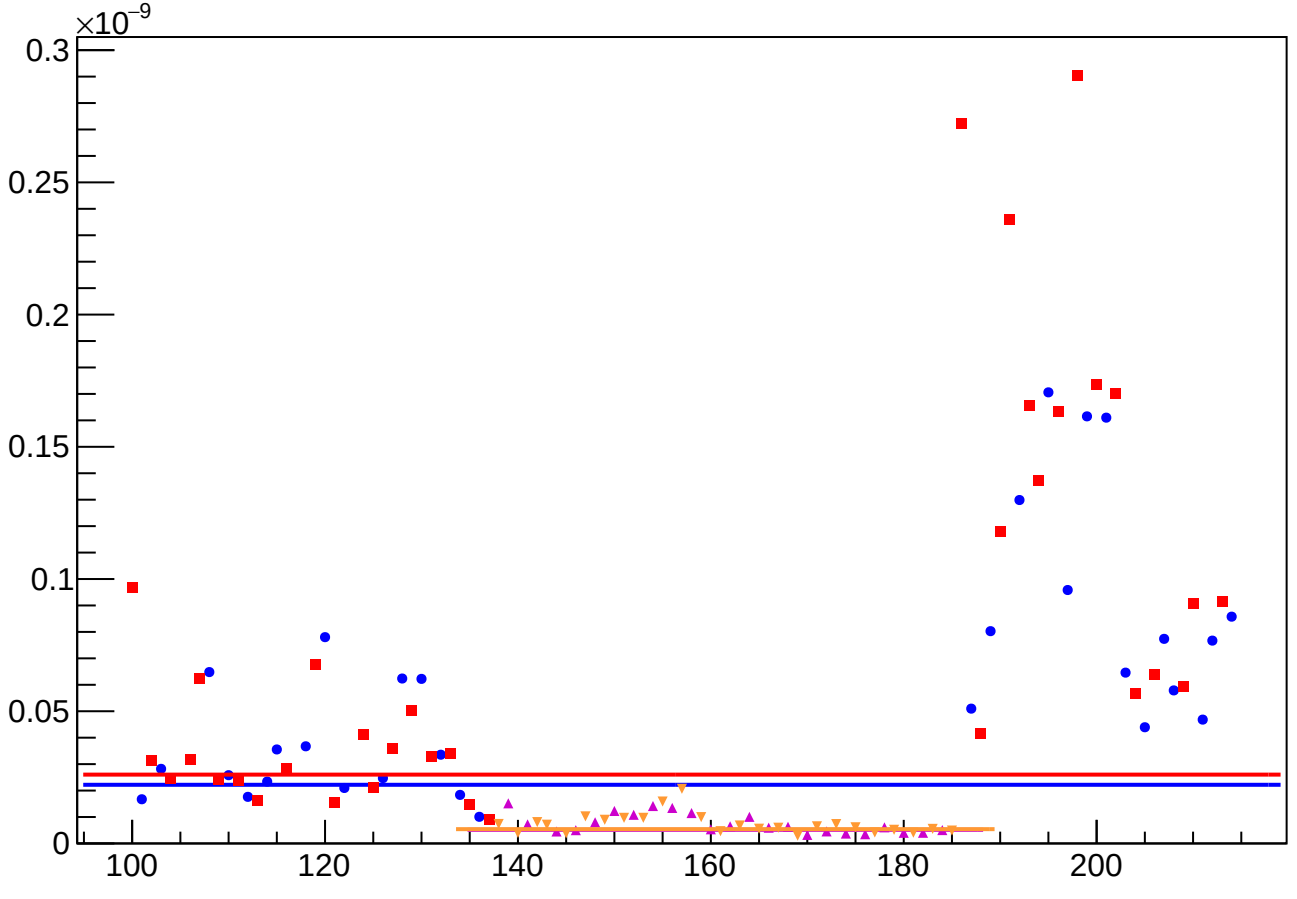
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 56.4/63

In: -0.000+/-0.000 χ^2/NDF:50.1/52

Out: -0.000+/-0.000 χ^2/NDF:44.2/58

All: -0.000+/-0.000 χ^2/NDF: 94.4/111



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

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

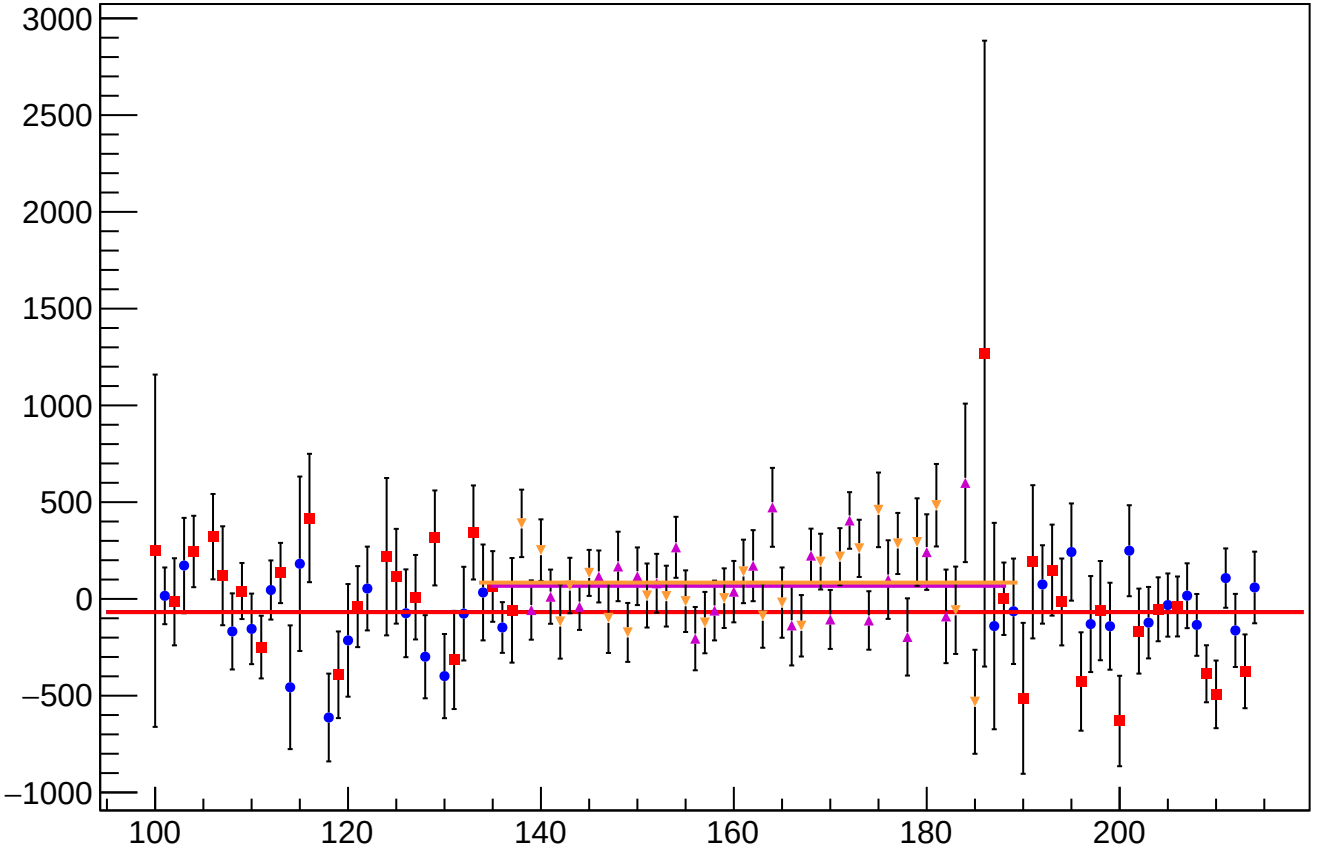
Right: 0.000+/-0.000 χ^2/NDF: 19815986.8/63

In: 0.000+/-0.000 χ^2/NDF:19949951.0/52

Out: 0.000+/-0.000 χ^2/NDF:20996304.6/58

All: 0.000+/-0.000 χ^2/NDF: 40963124.3/111

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



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

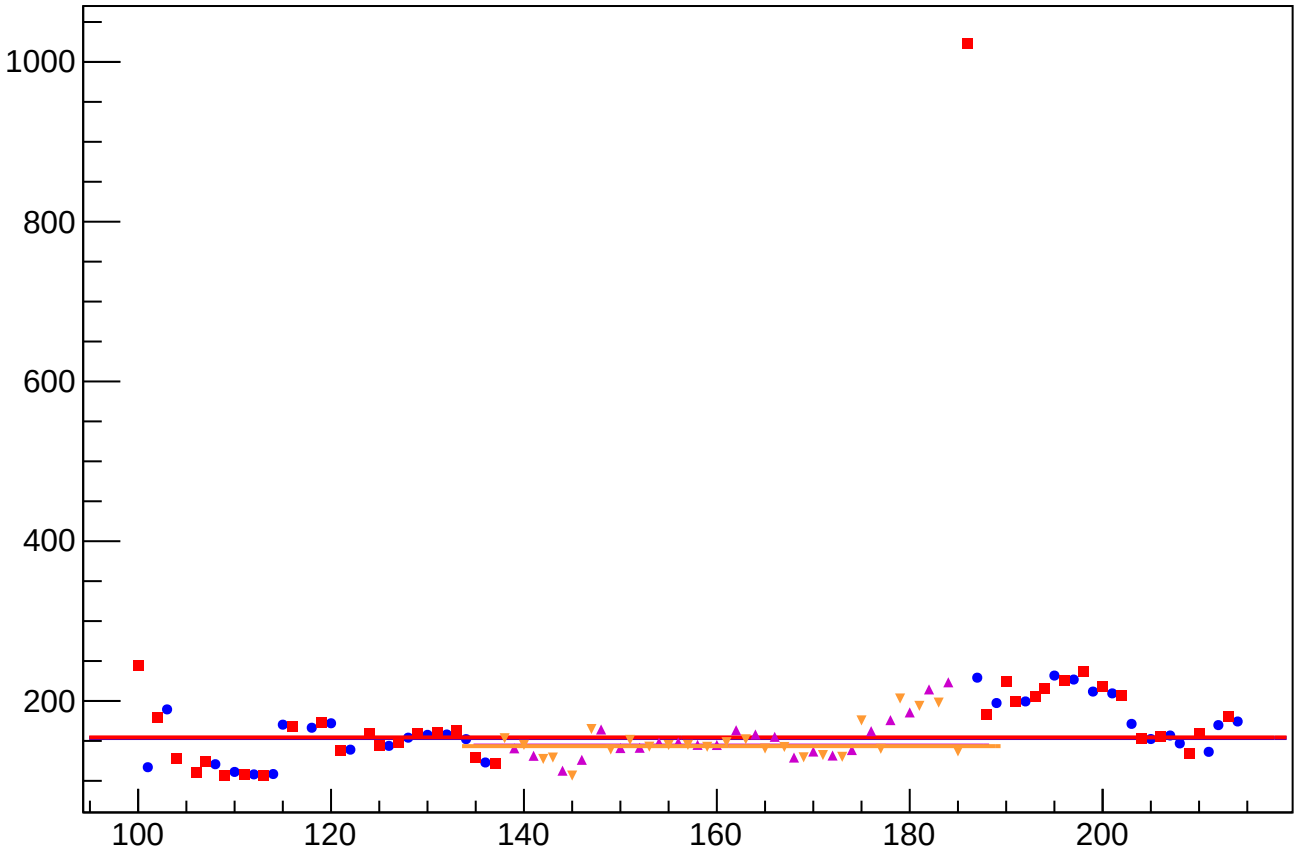
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -67.965+/-26.071 χ^2/NDF: 68.2/63

In: 5.165+/-25.049 χ^2/NDF:54.9/52

Out: 16.397+/-24.604 χ^2/NDF:90.4/58

All: 10.882+/-17.553 χ^2/NDF: 145.4/111



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

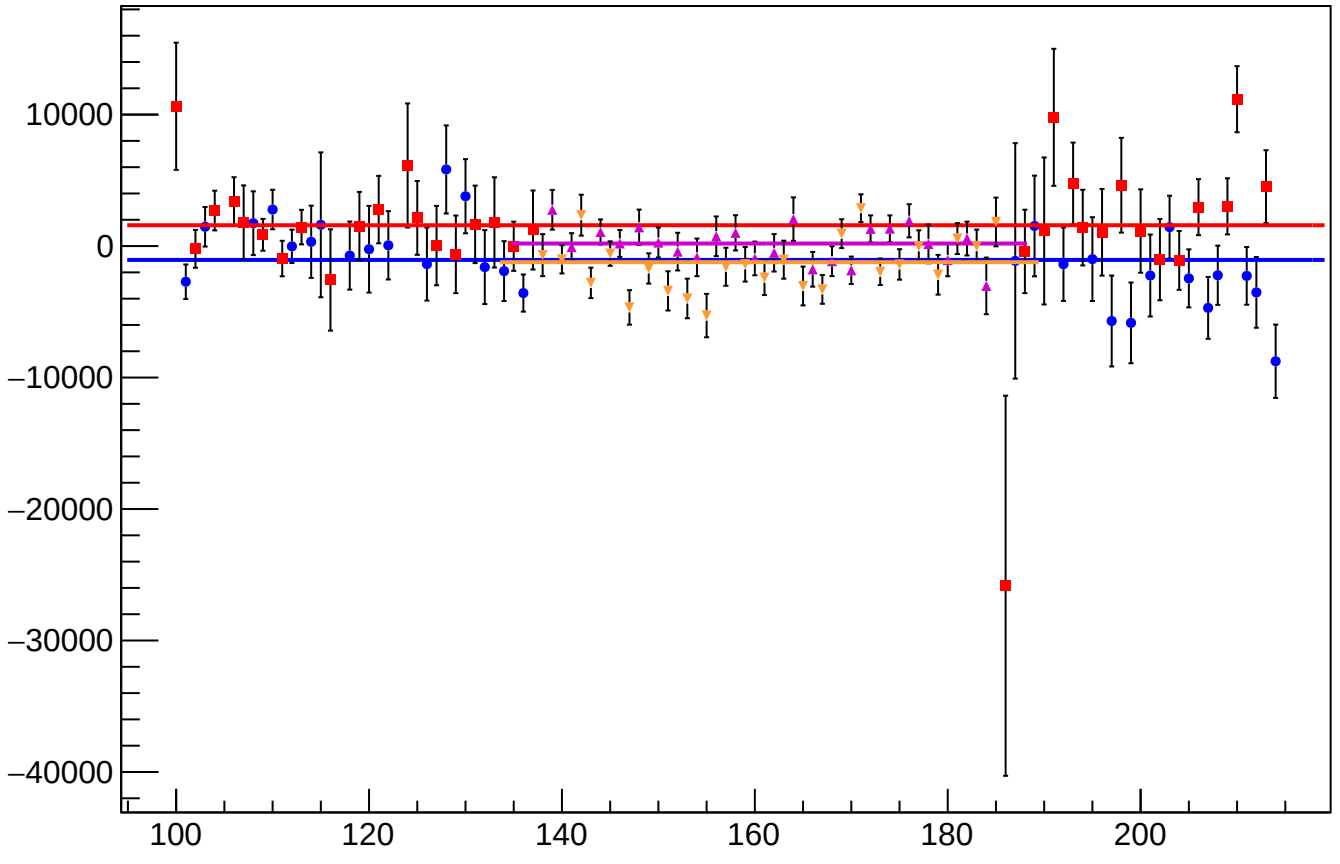
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 153.984+/-0.018 χ^2/NDF: 4102900.3/63

In: 148.522+/-0.018 χ^2/NDF:2358573.4/52

Out: 148.310+/-0.017 χ^2/NDF:3361497.8/58

All: 148.414+/-0.012 χ^2/NDF: 5720143.8/11



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

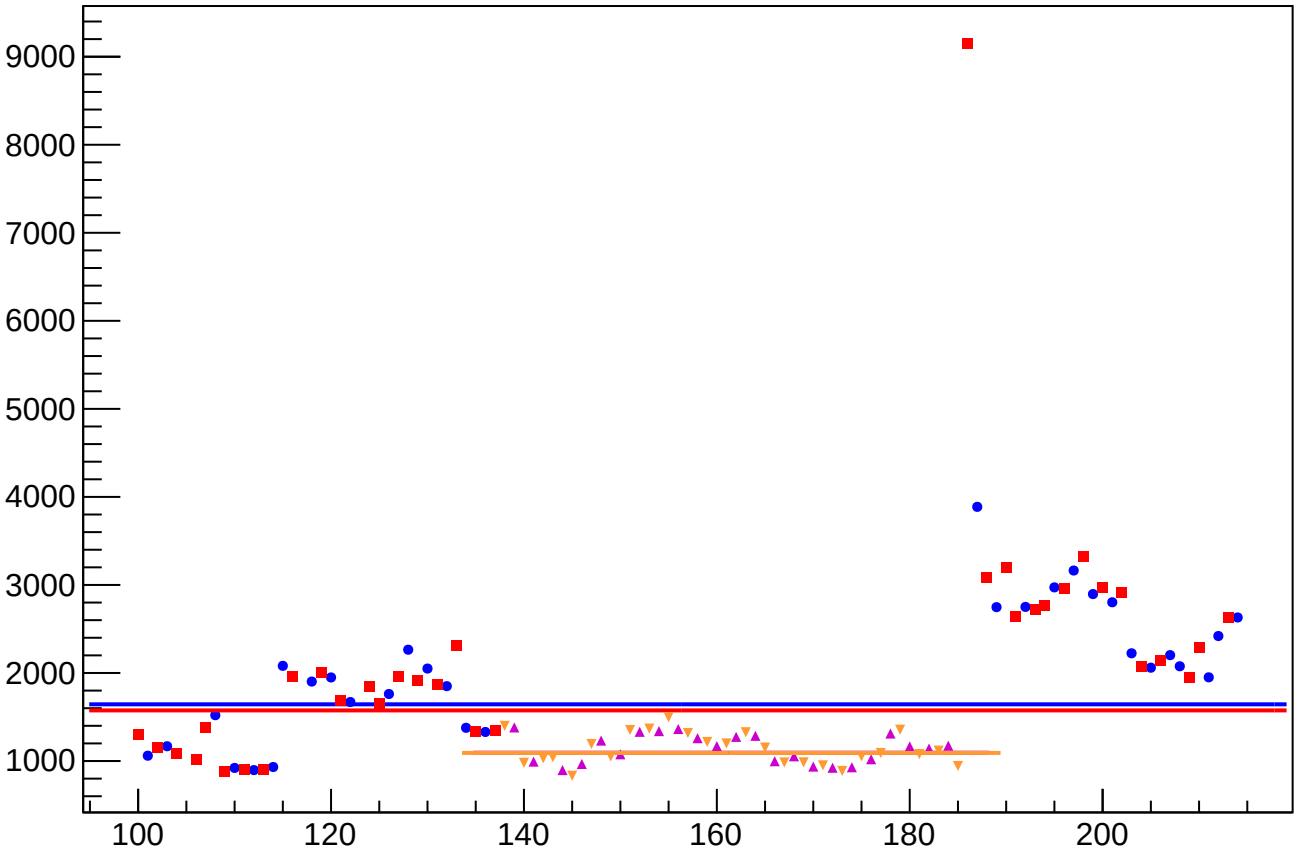
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 314.845+/-287.869 χ^2/NDF: 104.3/63

In: -155.636+/-219.651 χ^2/NDF:71.8/52

Out: -427.109+/-213.041 χ^2/NDF:136.0/58

All: -295.519+/-152.926 χ^2/NDF: 208.6/111



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

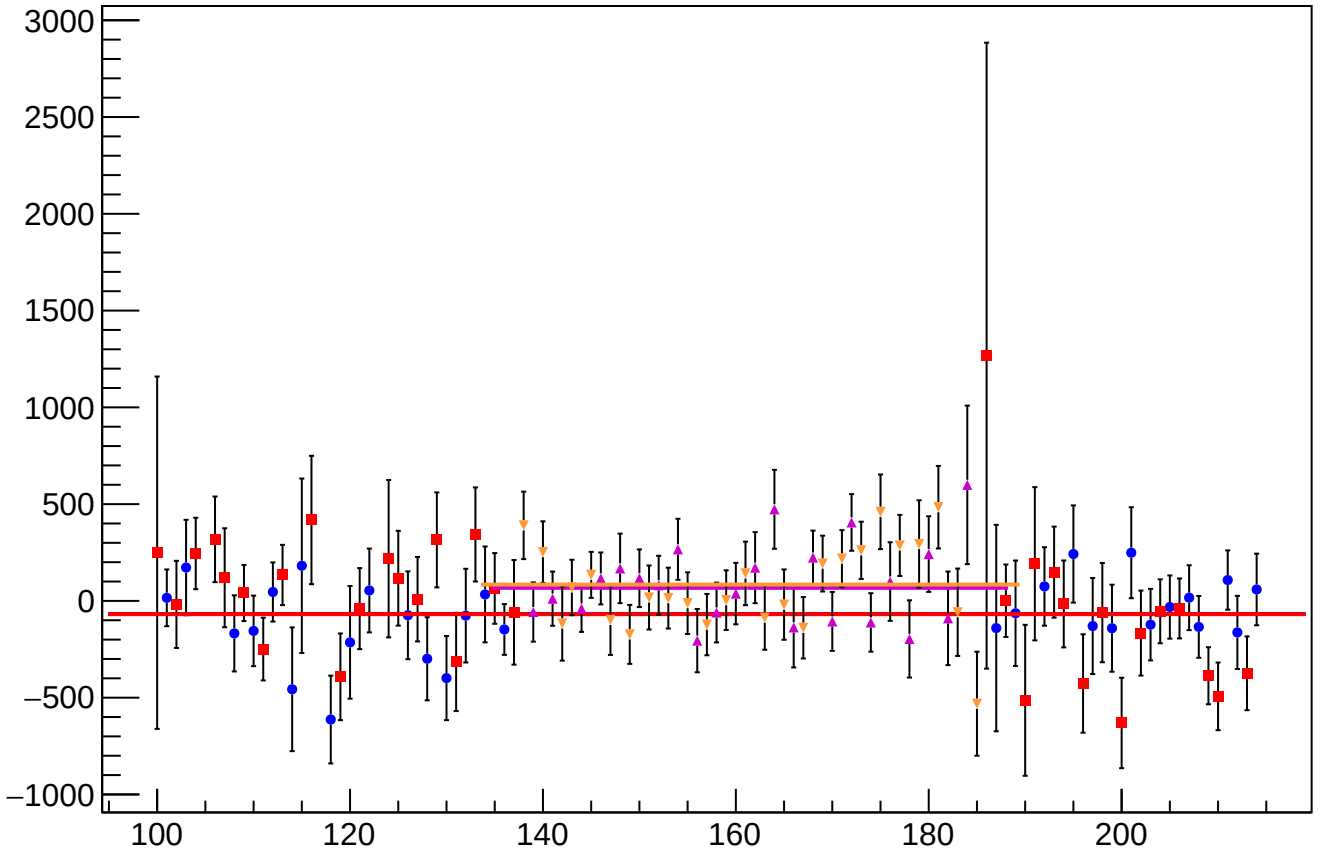
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1608.216+/-0.204 χ^2/NDF: 11773076.2/63

In: 1248.570+/-0.155 χ^2/NDF:8231543.8/52

Out: 1229.102+/-0.151 χ^2/NDF:9753988.0/58

All: 1238.539+/-0.108 χ^2/NDF: 17993627.4/



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

Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

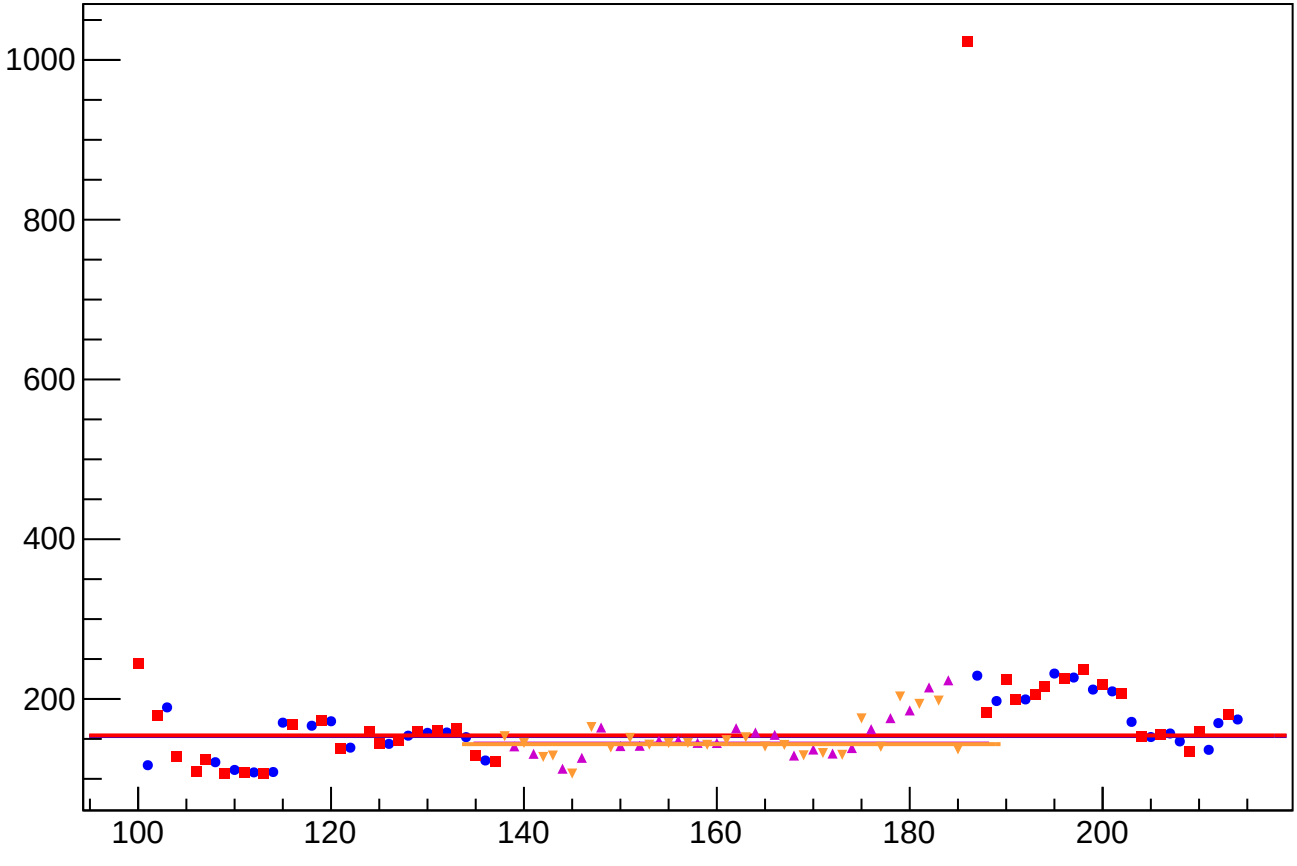
Right: -68.095+/-26.072 χ^2/NDF: 68.1/63

In: 5.163+/-25.049 χ^2/NDF:54.9/52

Out: 16.300+/-24.605 χ^2/NDF:90.4/58

All: 10.831+/-17.553 χ^2/NDF: 145.3/111

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



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

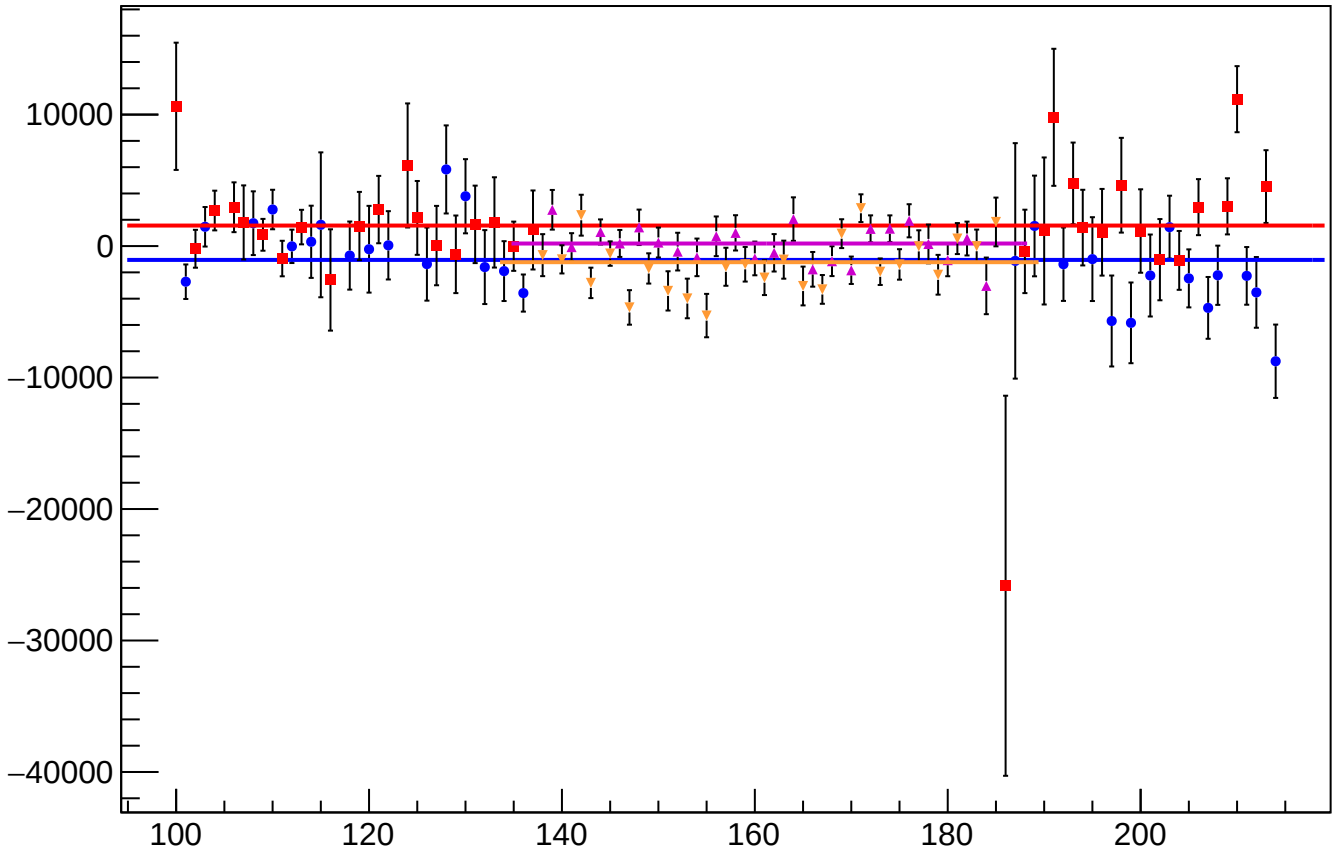
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.967+/-0.018 χ^2/NDF: 4108346.2/63

In: 148.522+/-0.018 χ^2/NDF:2358576.0/52

Out: 148.294+/-0.017 χ^2/NDF:3366342.7/58

All: 148.406+/-0.012 χ^2/NDF: 5725002.8/11



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

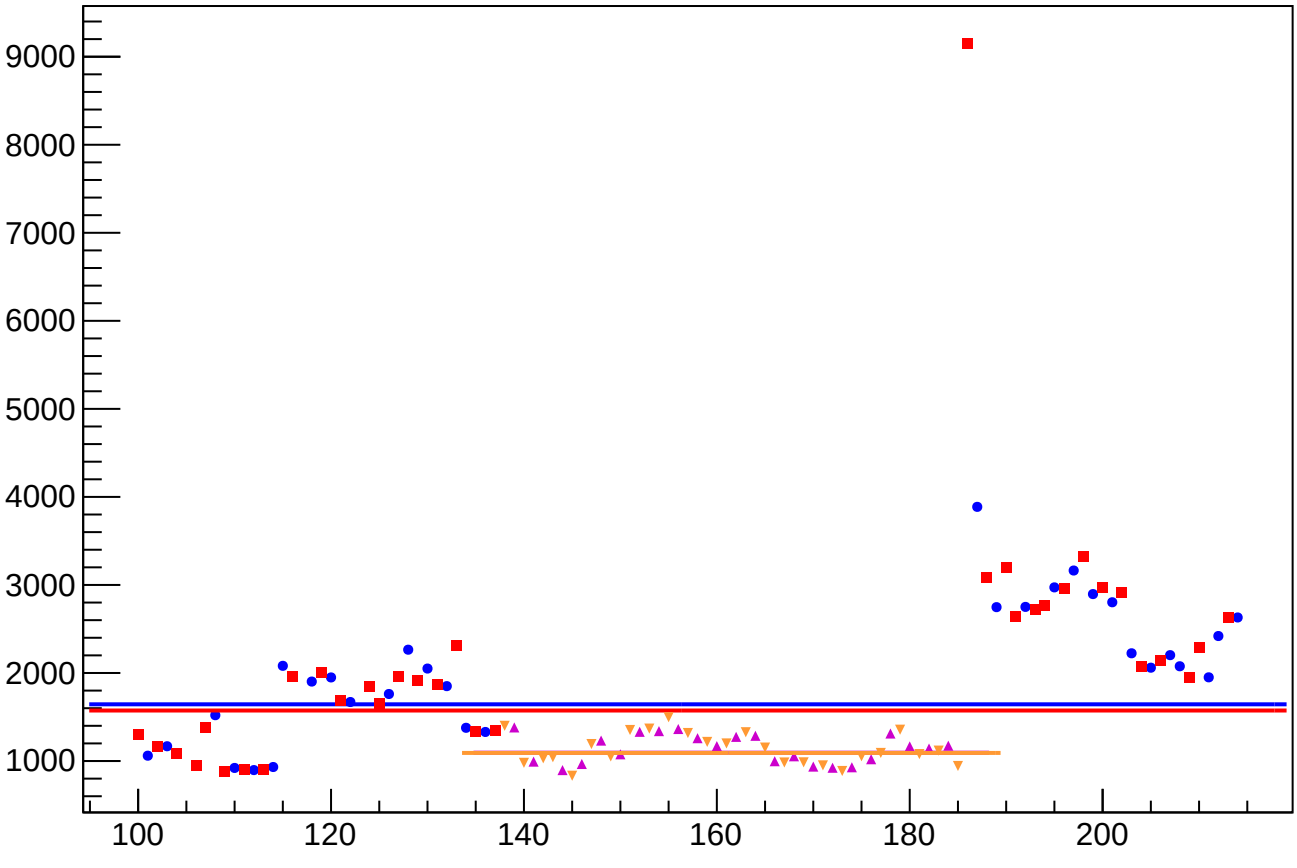
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 300.322+/-288.084 χ^2/NDF: 103.5/63

In: -155.647+/-219.652 χ^2/NDF:71.8/52

Out: -435.640+/-213.127 χ^2/NDF:134.9/58

All: -299.864+/-152.958 χ^2/NDF: 207.5/111



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

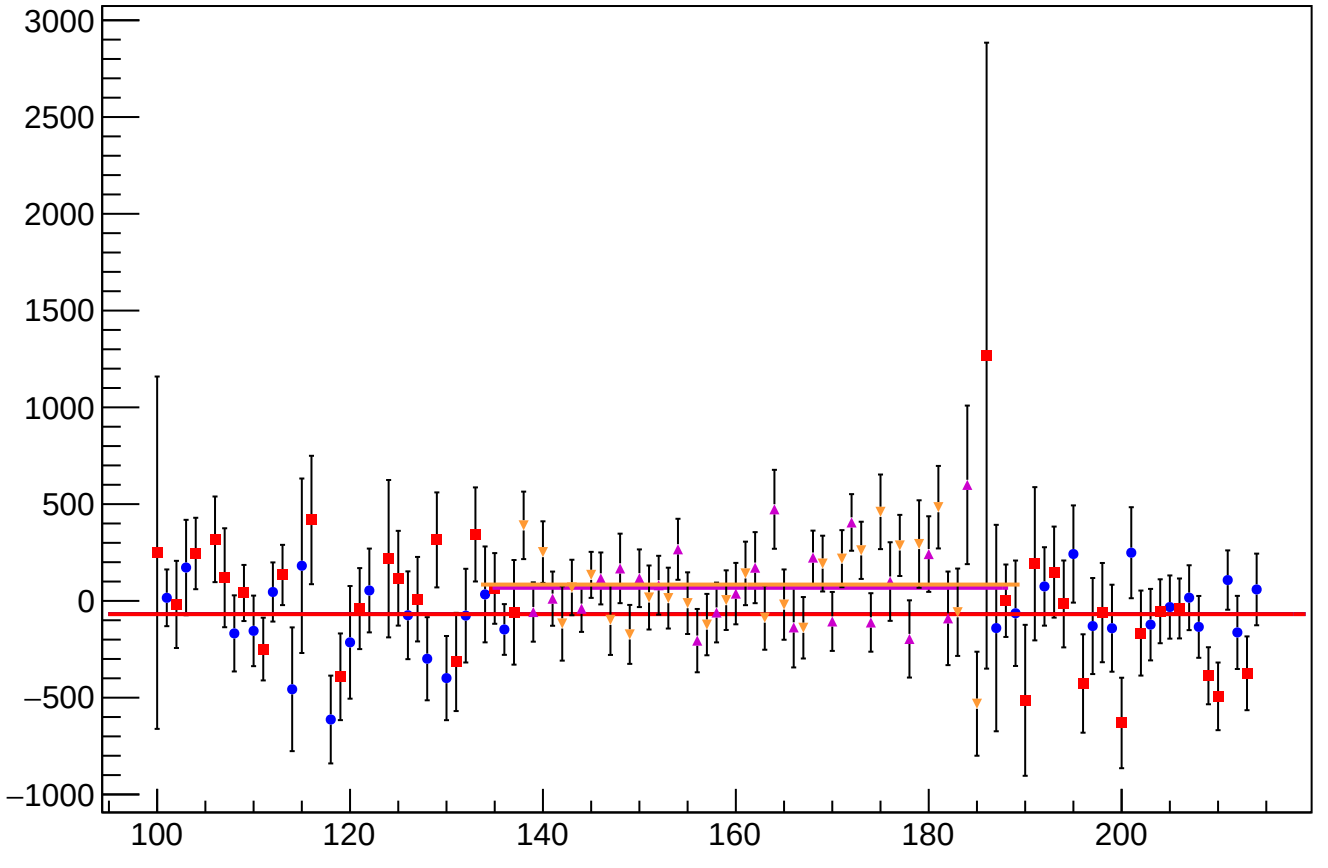
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1607.691+/-0.204 χ^2/NDF: 11802982.1/63

In: 1248.573+/-0.155 χ^2/NDF:8231526.5/52

Out: 1228.503+/-0.151 χ^2/NDF:9769133.7/58

All: 1238.235+/-0.108 χ^2/NDF: 18009260.9/1



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

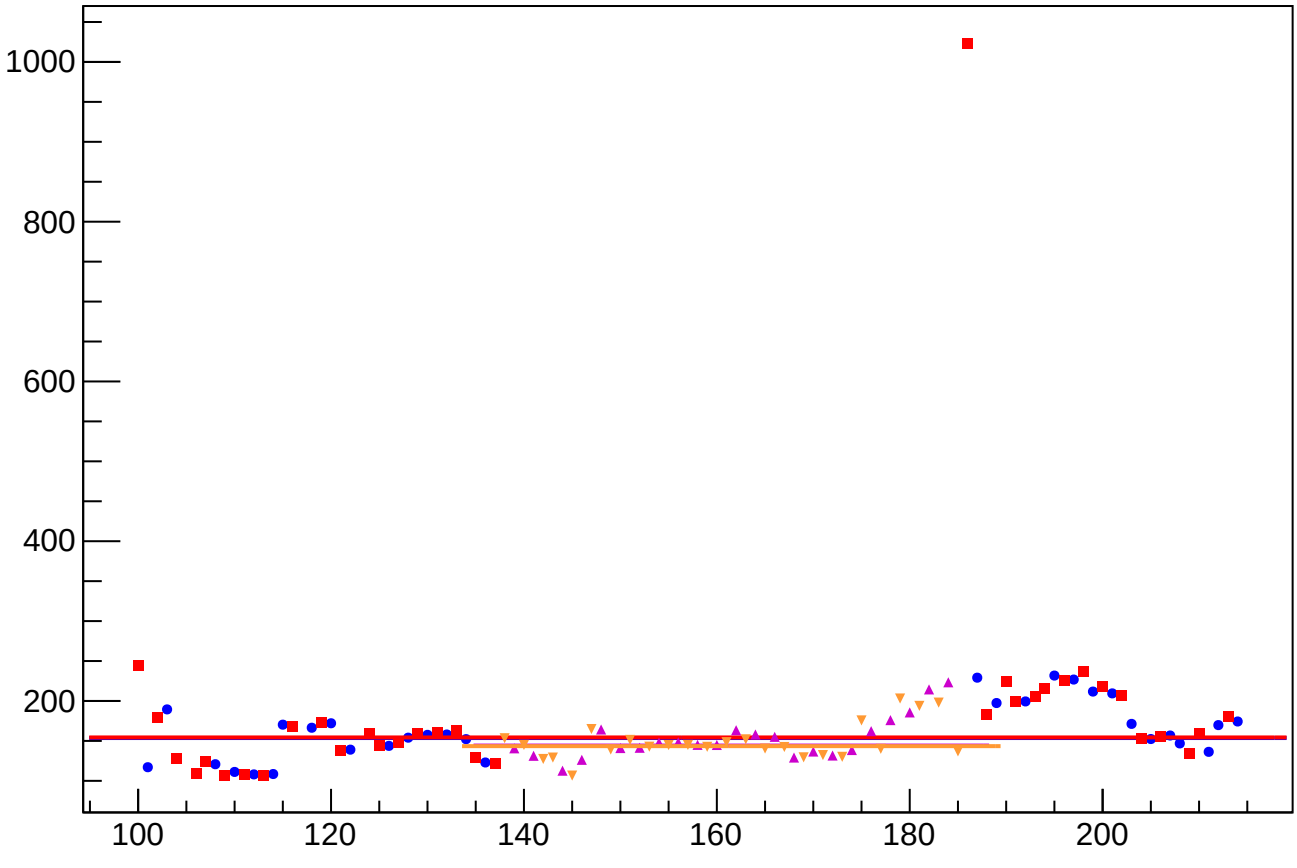
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -68.095+/-26.072 χ^2/NDF: 68.1/63

In: 5.163+/-25.049 χ^2/NDF:54.9/52

Out: 16.300+/-24.605 χ^2/NDF:90.4/58

All: 10.831+/-17.553 χ^2/NDF: 145.3/111



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

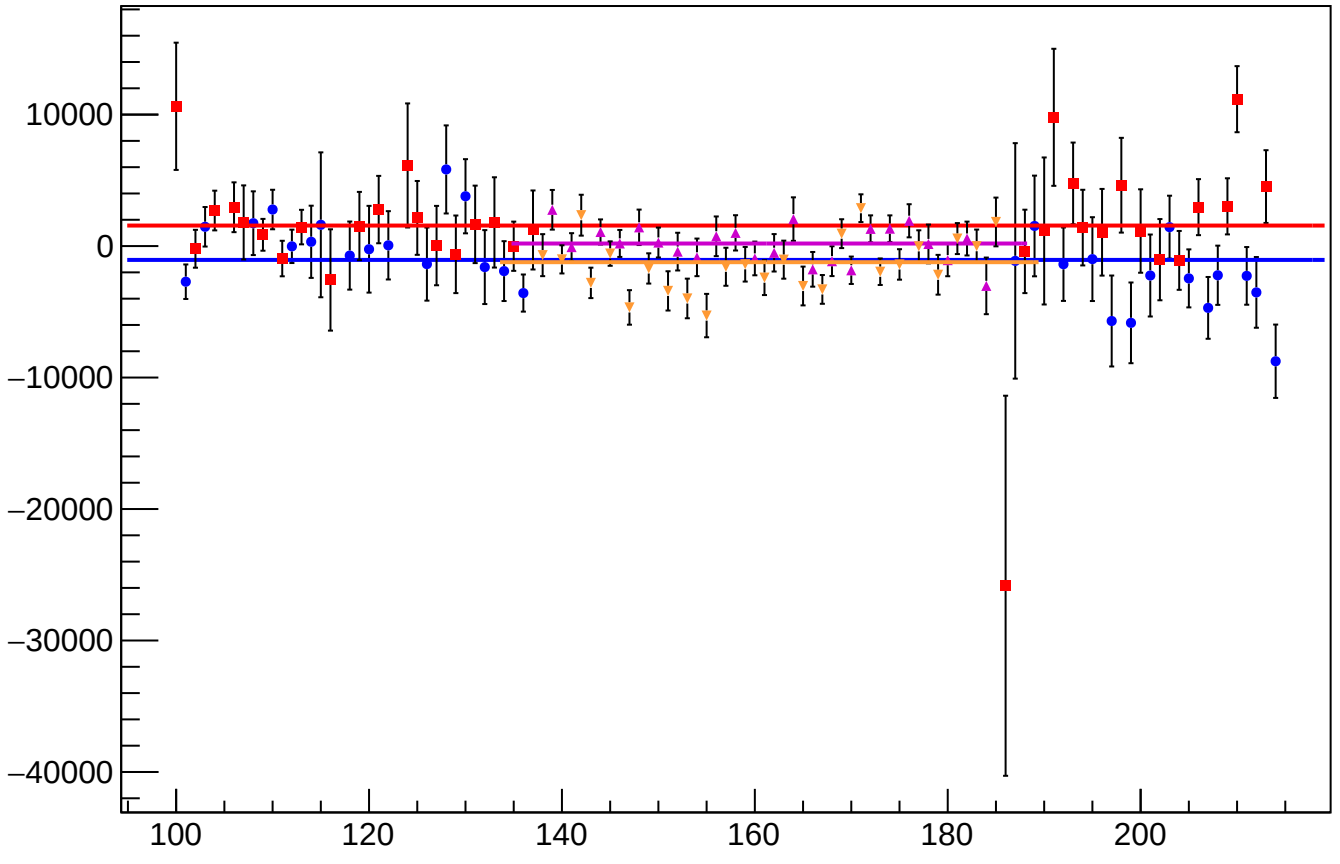
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.967+/-0.018 χ^2/NDF: 4108346.2/63

In: 148.522+/-0.018 χ^2/NDF:2358576.0/52

Out: 148.294+/-0.017 χ^2/NDF:3366342.7/58

All: 148.406+/-0.012 χ^2/NDF: 5725002.8/11



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

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

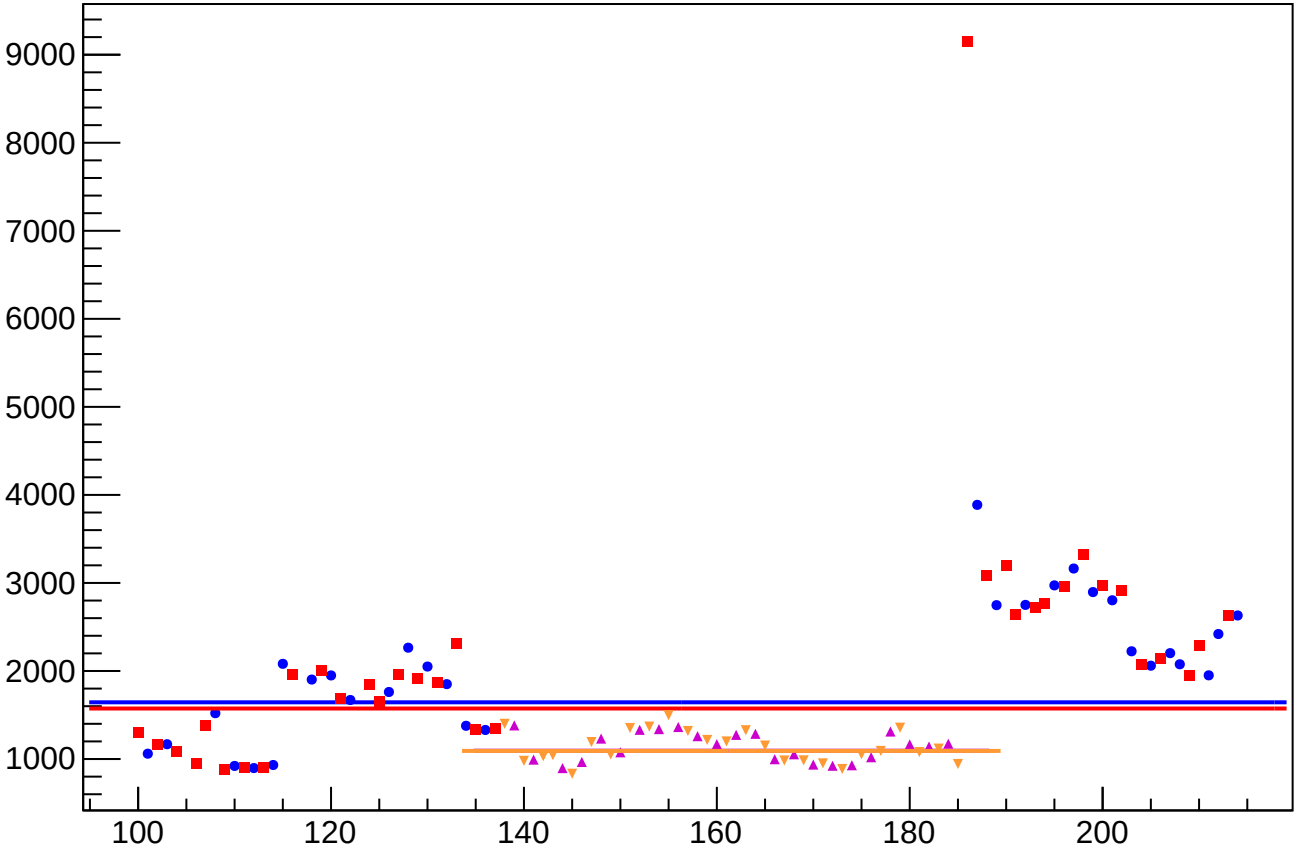
Right: 300.322+/-288.084 χ^2/NDF: 103.5/63

In: -155.647+/-219.652 χ^2/NDF:71.8/52

Out: -435.640+/-213.127 χ^2/NDF:134.9/58

All: -299.864+/-152.958 χ^2/NDF: 207.5/111

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

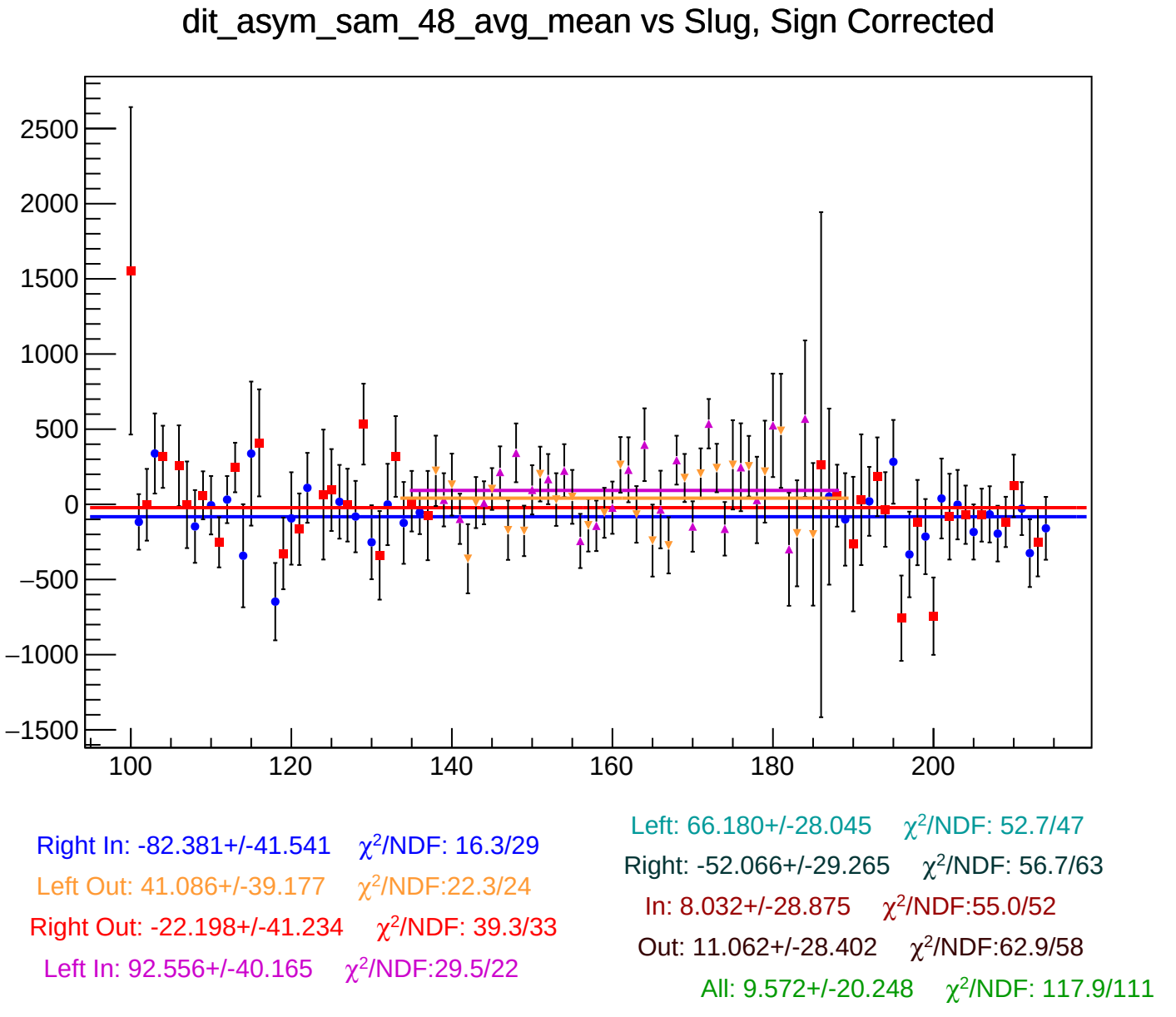
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1607.691+/-0.204 χ^2/NDF: 11802982.1/63

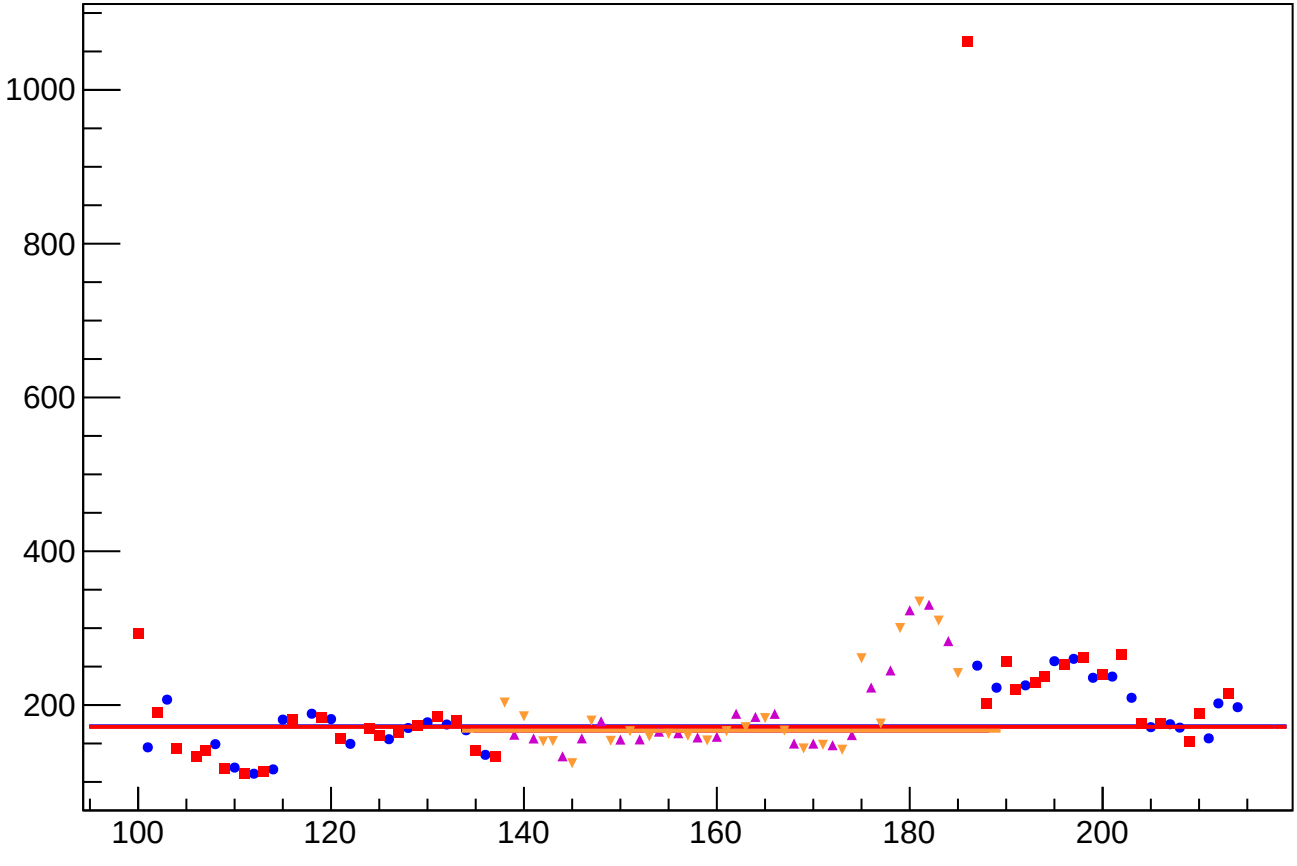
In: 1248.573+/-0.155 χ^2/NDF:8231526.5/52

Out: 1228.503+/-0.151 χ^2/NDF:9769133.7/58

All: 1238.235+/-0.108 χ^2/NDF: 18009260.9/1


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -82.381+/-41.541 χ²/NDF: 16.3/29
Left Out: 41.086+/-39.177 χ²/NDF:22.3/24
Right Out: -22.198+/-41.234 χ²/NDF: 39.3/33
Left In: 92.556+/-40.165 χ²/NDF:29.5/22
Left: 66.180+/-28.045 χ²/NDF: 52.7/47
Right: -52.066+/-29.265 χ²/NDF: 56.7/63
In: 8.032+/-28.875 χ²/NDF:55.0/52
Out: 11.062+/-28.402 χ²/NDF:62.9/58
All: 9.572+/-20.248 χ²/NDF: 117.9/111

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



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

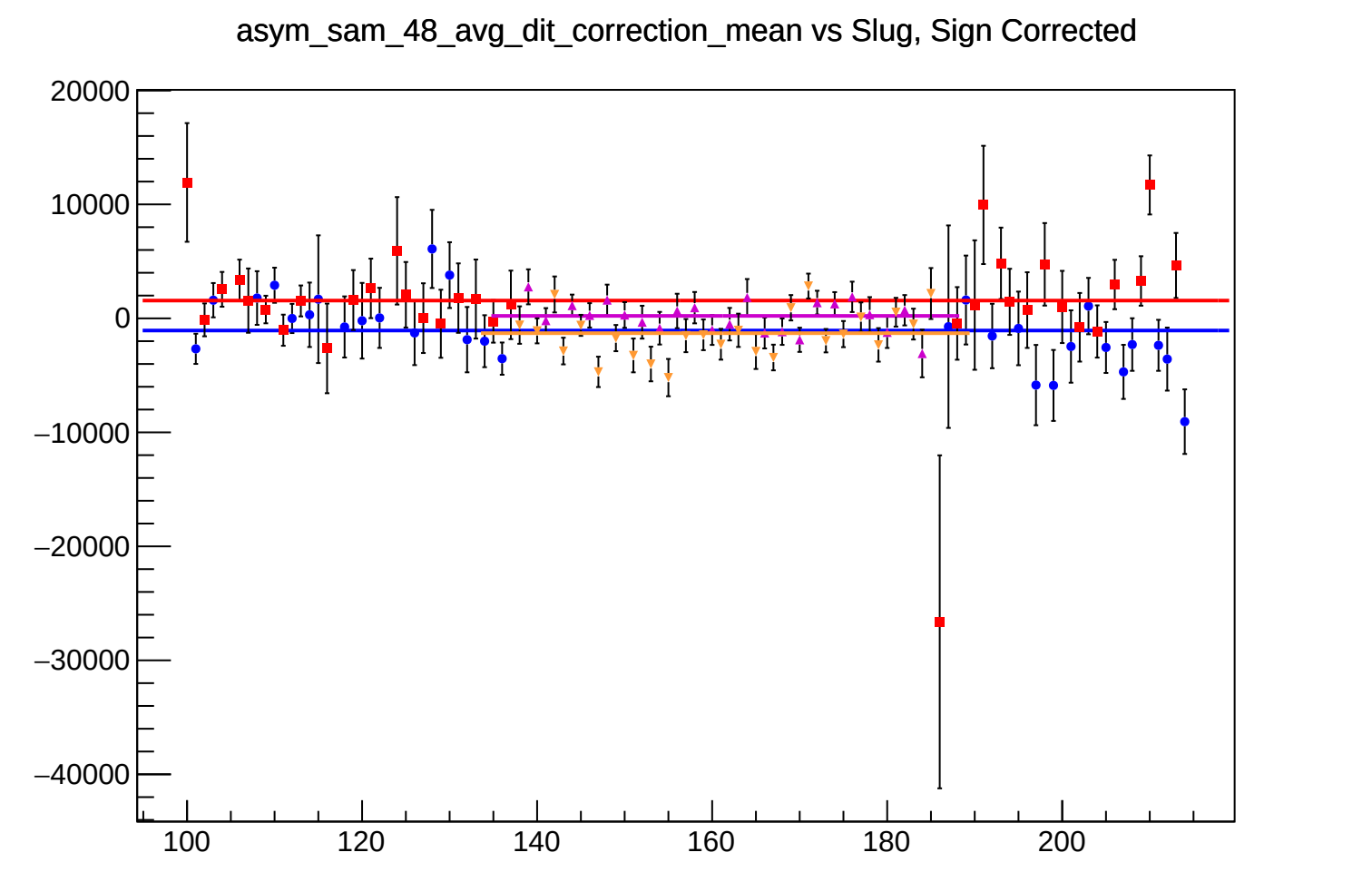
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 171.979+/-0.021 χ^2/NDF: 4492792.1/63

In: 169.223+/-0.020 χ^2/NDF:3149313.8/52

Out: 168.981+/-0.020 χ^2/NDF:4492875.7/58

All: 169.100+/-0.014 χ^2/NDF: 7642261.0/11



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

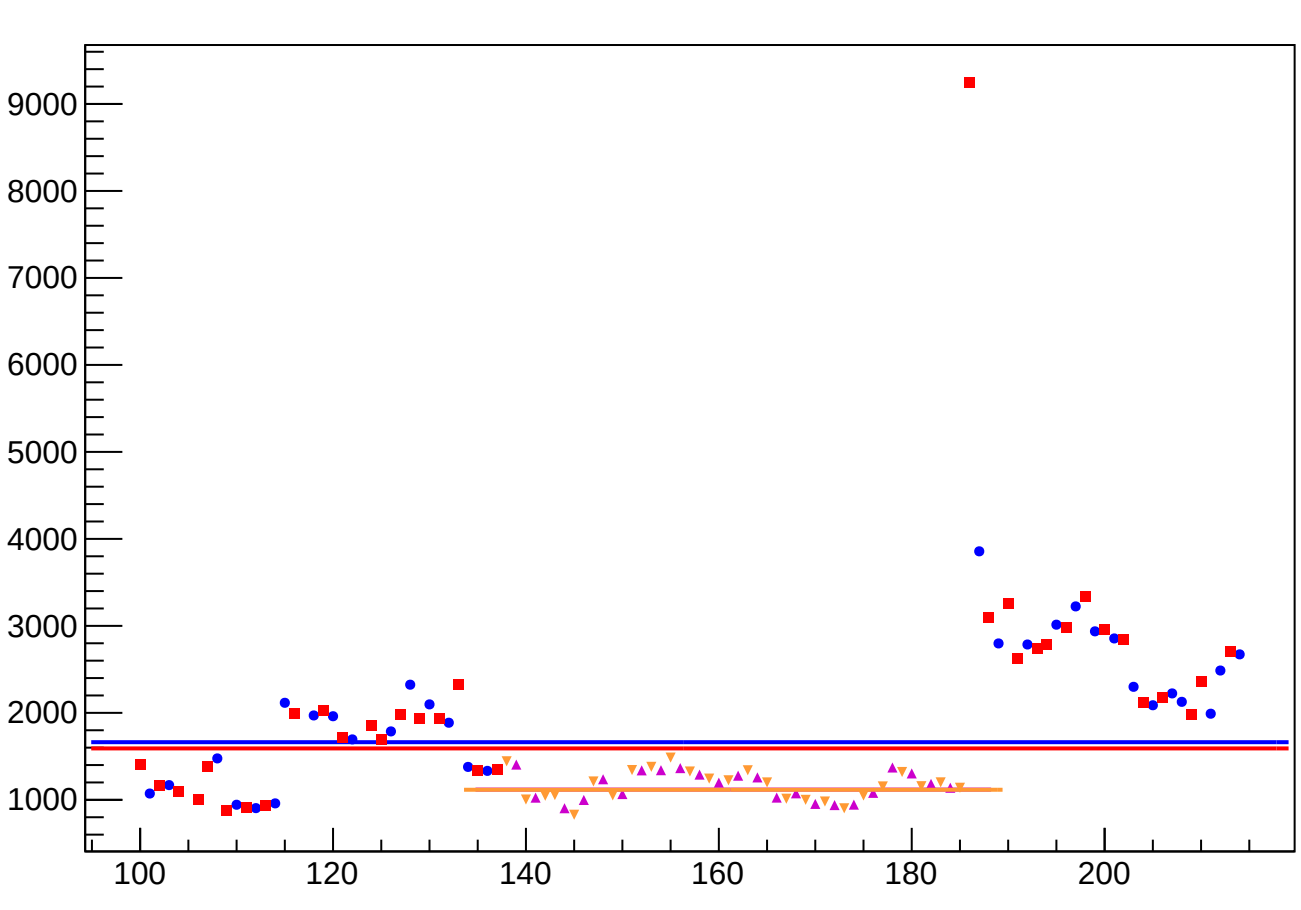
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 300.036+/-291.107 χ^2/NDF: 105.8/63

In: -146.636+/-223.745 χ^2/NDF:71.4/52

Out: -474.009+/-216.798 χ^2/NDF:133.7/58

All: -315.483+/-155.698 χ^2/NDF: 206.3/111



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

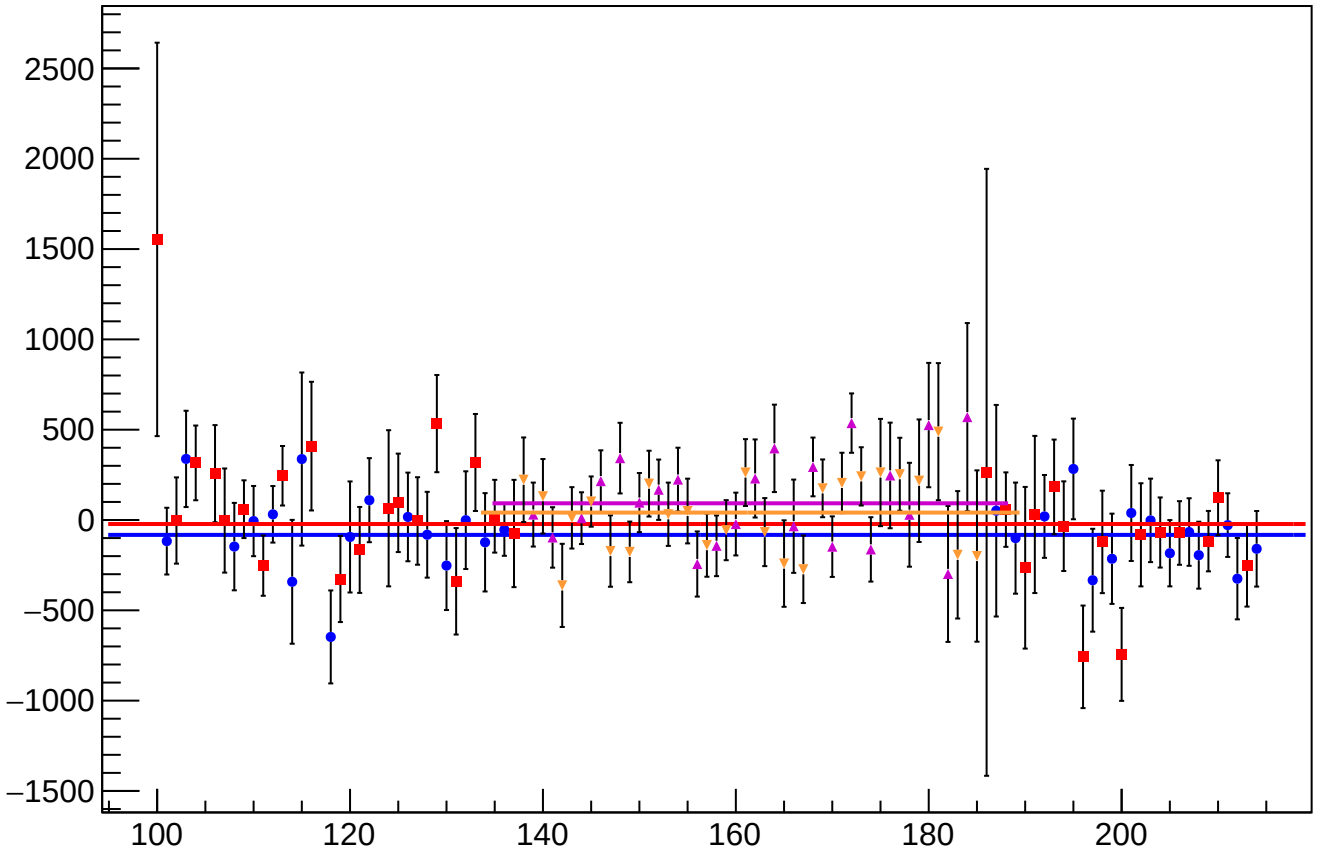
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1625.563+/-0.206 χ^2/NDF: 11876840.0/63

In: 1272.520+/-0.158 χ^2/NDF:8199516.6/52

Out: 1252.925+/-0.153 χ^2/NDF:9625819.1/58

All: 1262.414+/-0.110 χ^2/NDF: 17833246.9/



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

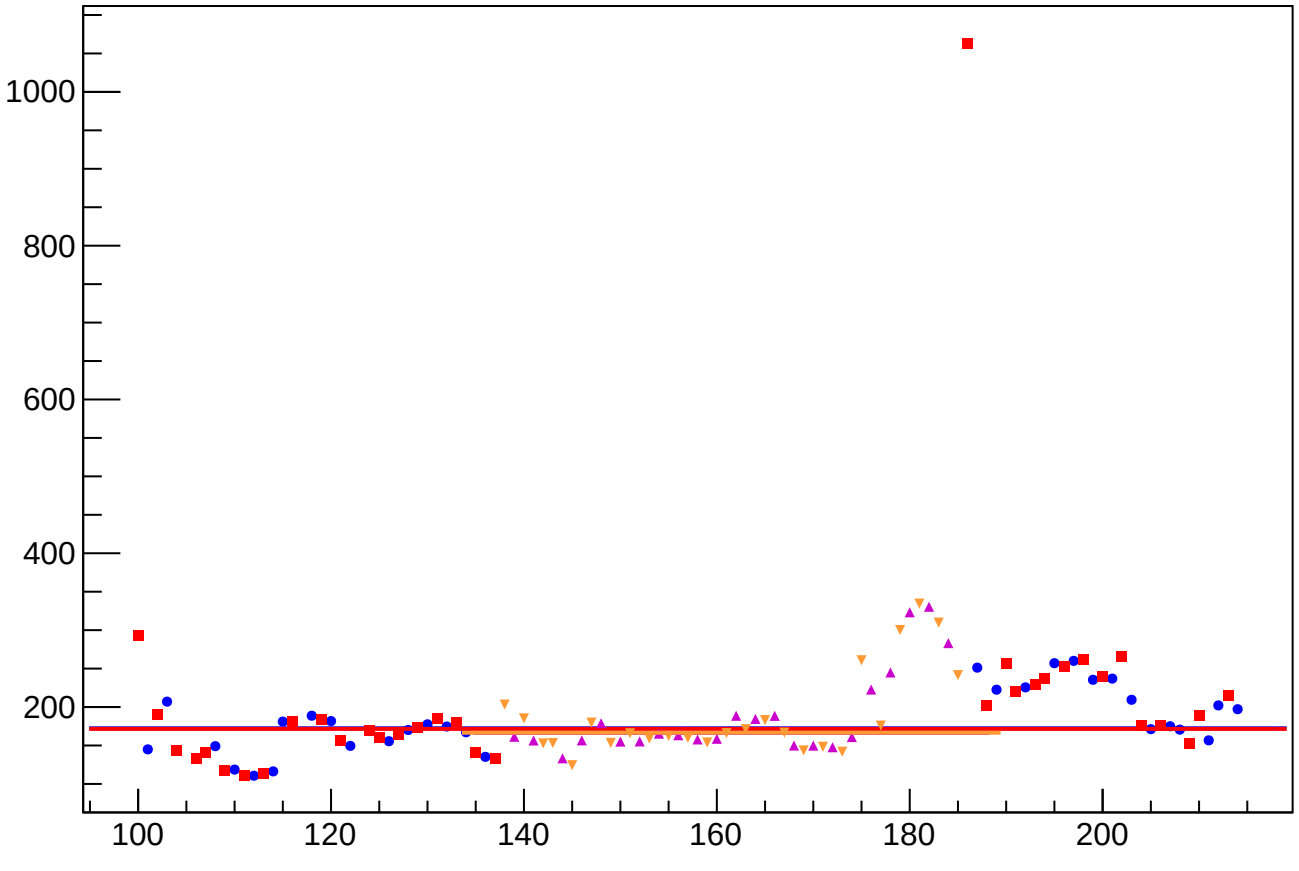
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -52.065+/-29.265 χ^2/NDF: 56.7/63

In: 8.034+/-28.875 χ^2/NDF:55.0/52

Out: 11.062+/-28.402 χ^2/NDF:62.9/58

All: 9.573+/-20.248 χ^2/NDF: 117.9/111



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

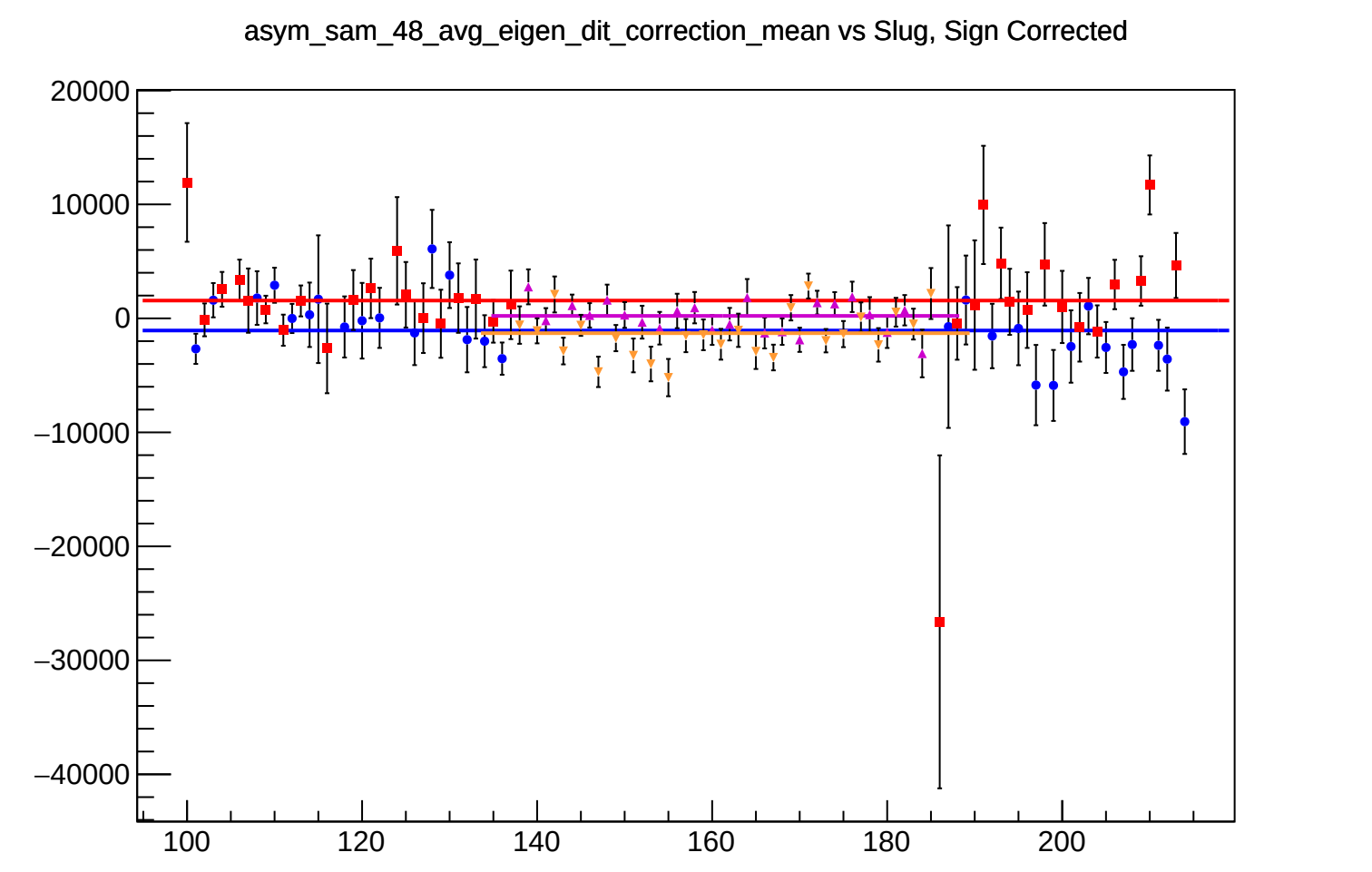
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 171.978+/-0.021 χ^2/NDF: 4492777.9/63

In: 169.223+/-0.020 χ^2/NDF:3149275.2/52

Out: 168.981+/-0.020 χ^2/NDF:4492869.7/58

All: 169.100+/-0.014 χ^2/NDF: 7642216.3/111



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

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

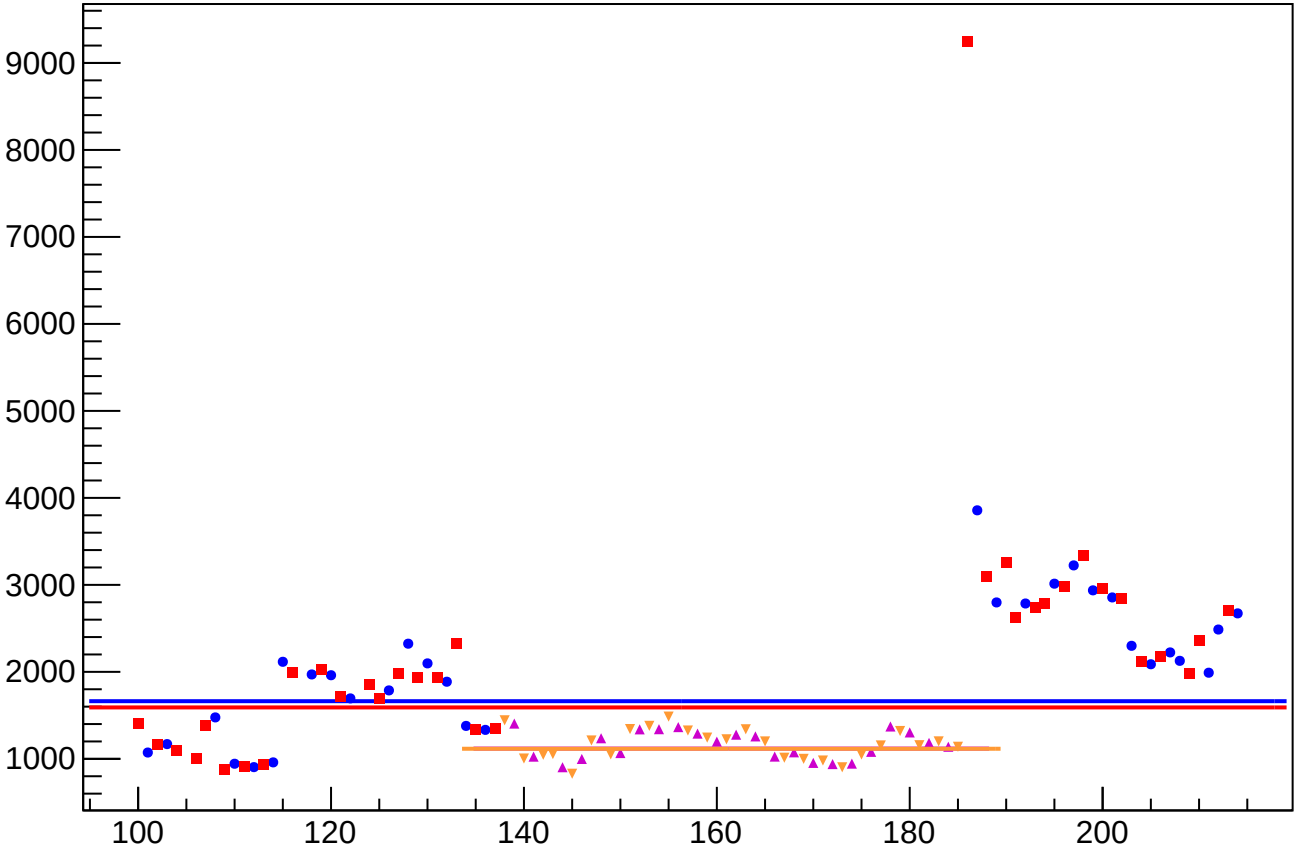
Right: 300.036+/-291.106 χ^2/NDF: 105.8/63

In: -146.636+/-223.745 χ^2/NDF:71.4/52

Out: -474.008+/-216.798 χ^2/NDF:133.7/58

All: -315.483+/-155.697 χ^2/NDF: 206.3/111

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

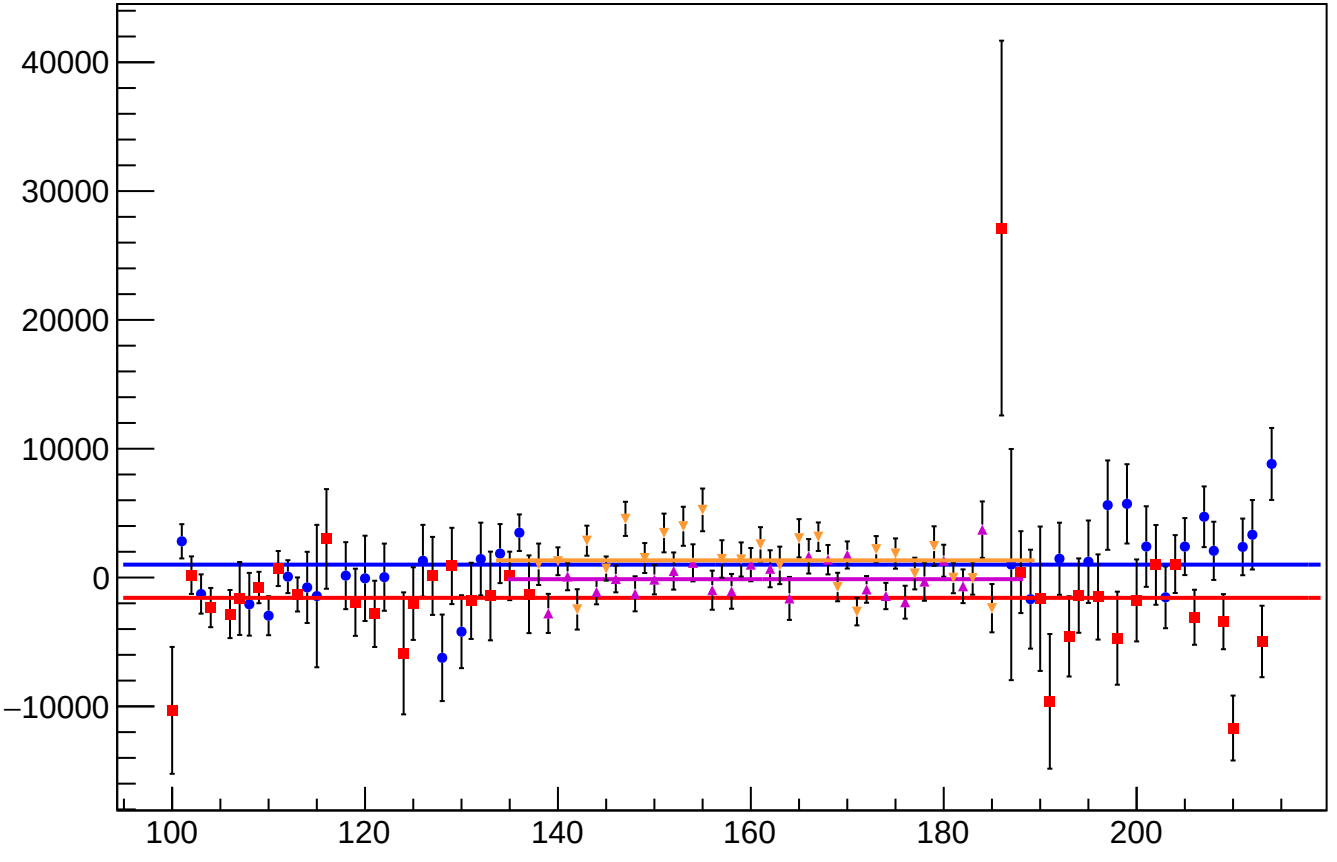
Right: 1625.561+/-0.206 χ^2/NDF: 11876843.3/63

In: 1272.518+/-0.158 χ^2/NDF:8199526.8/52

Out: 1252.923+/-0.153 χ^2/NDF:9625828.8/58

All: 1262.412+/-0.110 χ^2/NDF: 17833266.9/1

asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

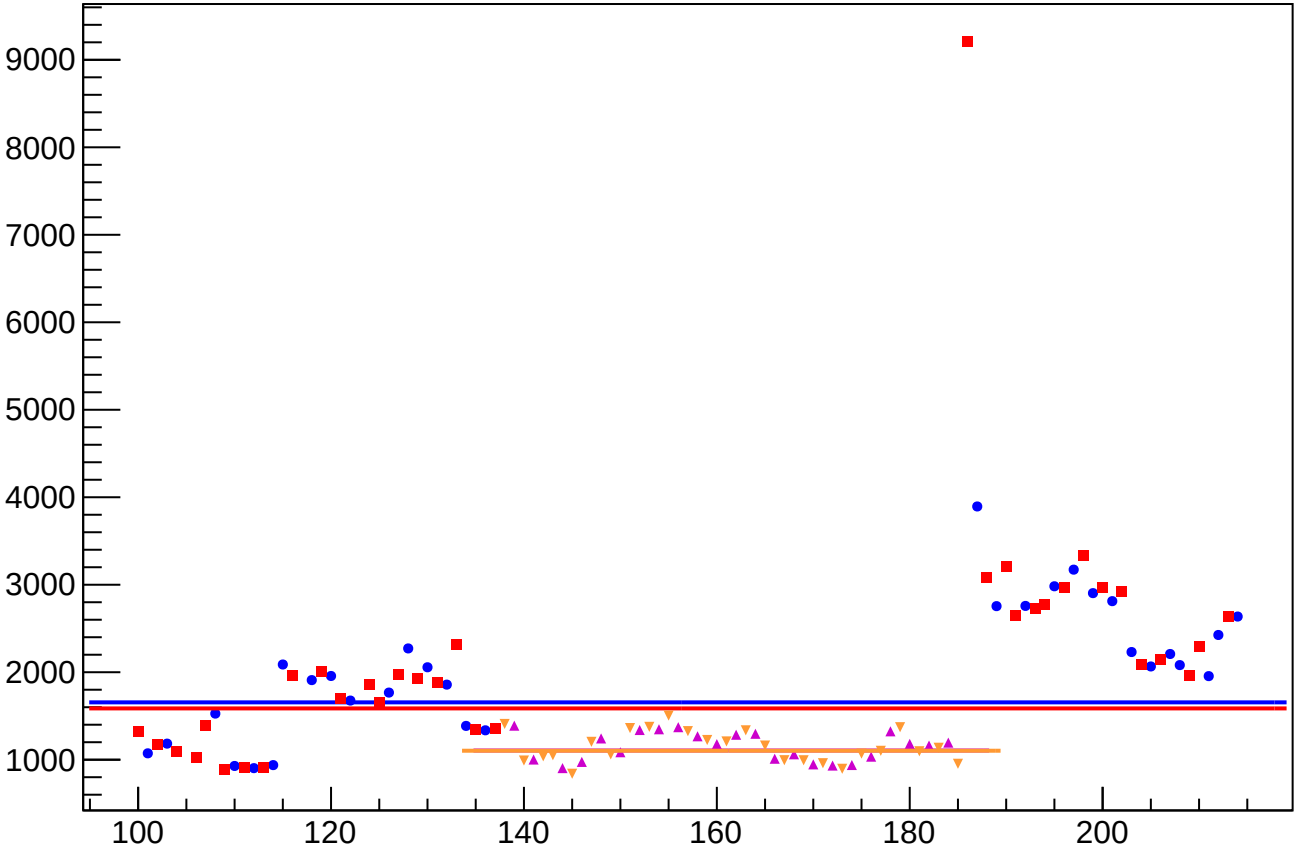
Right: -334.912+/-289.636 χ^2/NDF: 105.2/63

In: 190.001+/-221.538 χ^2/NDF:72.6/52

Out: 504.047+/-214.889 χ^2/NDF:135.2/58

All: 351.807+/-154.247 χ^2/NDF: 208.8/111

asym_sam_48_avg_rms vs Slug, Sign Corrected



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

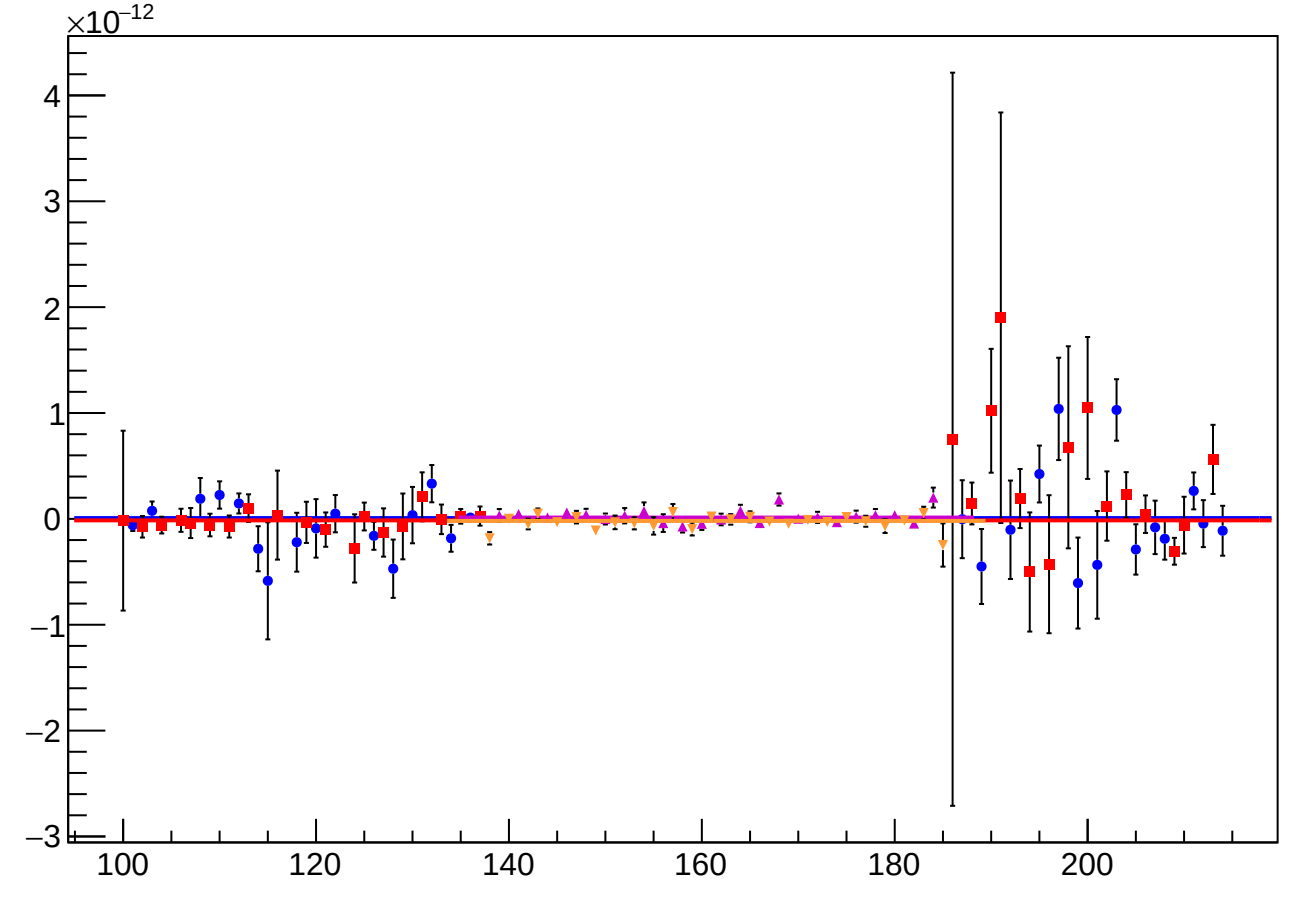
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1619.679+/-0.205 χ^2/NDF: 11641390.4/63

In: 1260.307+/-0.157 χ^2/NDF:8129334.6/52

Out: 1240.676+/-0.152 χ^2/NDF:9651163.5/58

All: 1250.192+/-0.109 χ^2/NDF: 17788589.1/1



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

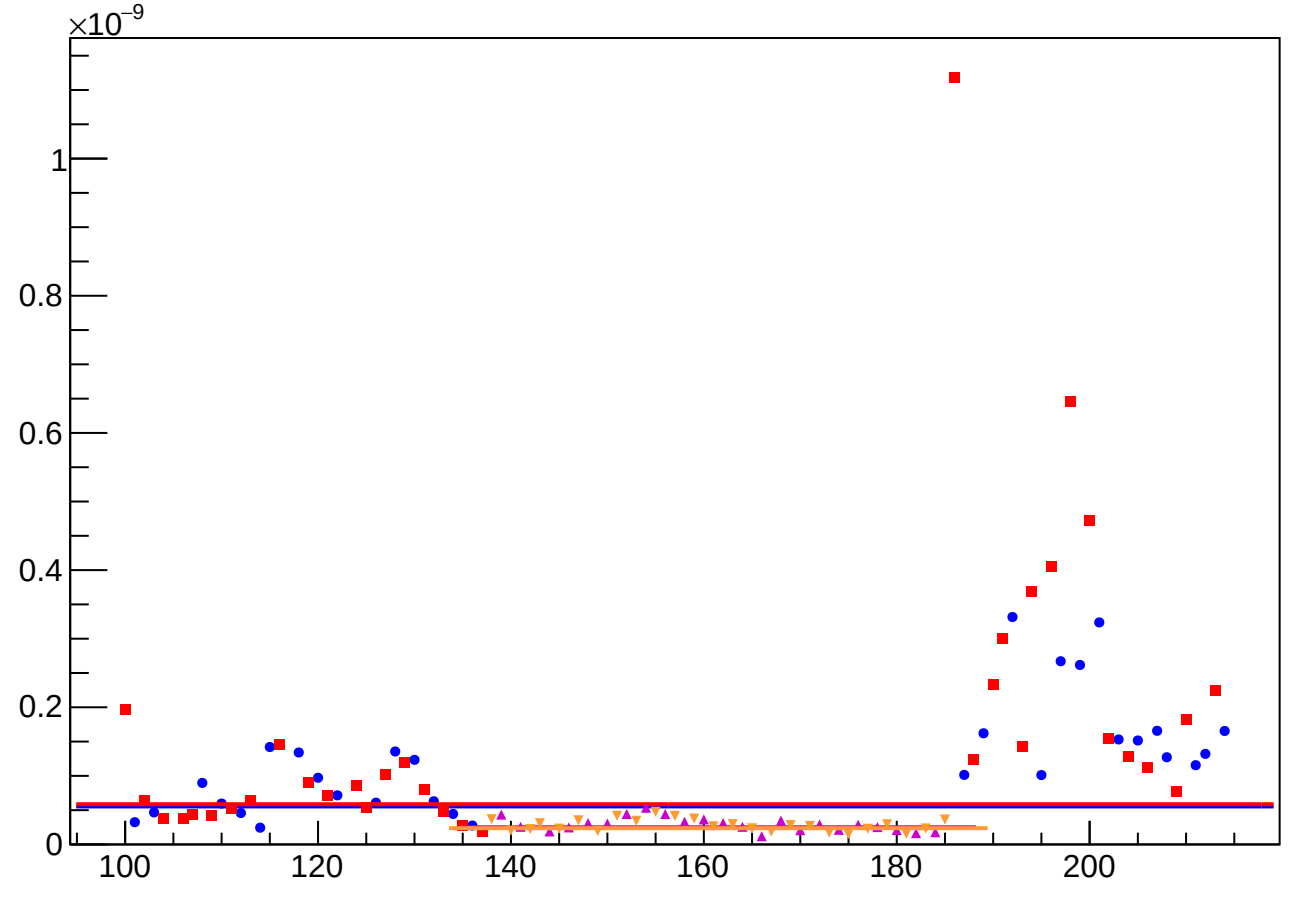
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 75.8/63

In: 0.000+/-0.000 χ^2/NDF:78.3/52

Out: -0.000+/-0.000 χ^2/NDF:50.8/58

All: -0.000+/-0.000 χ^2/NDF: 134.7/111



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

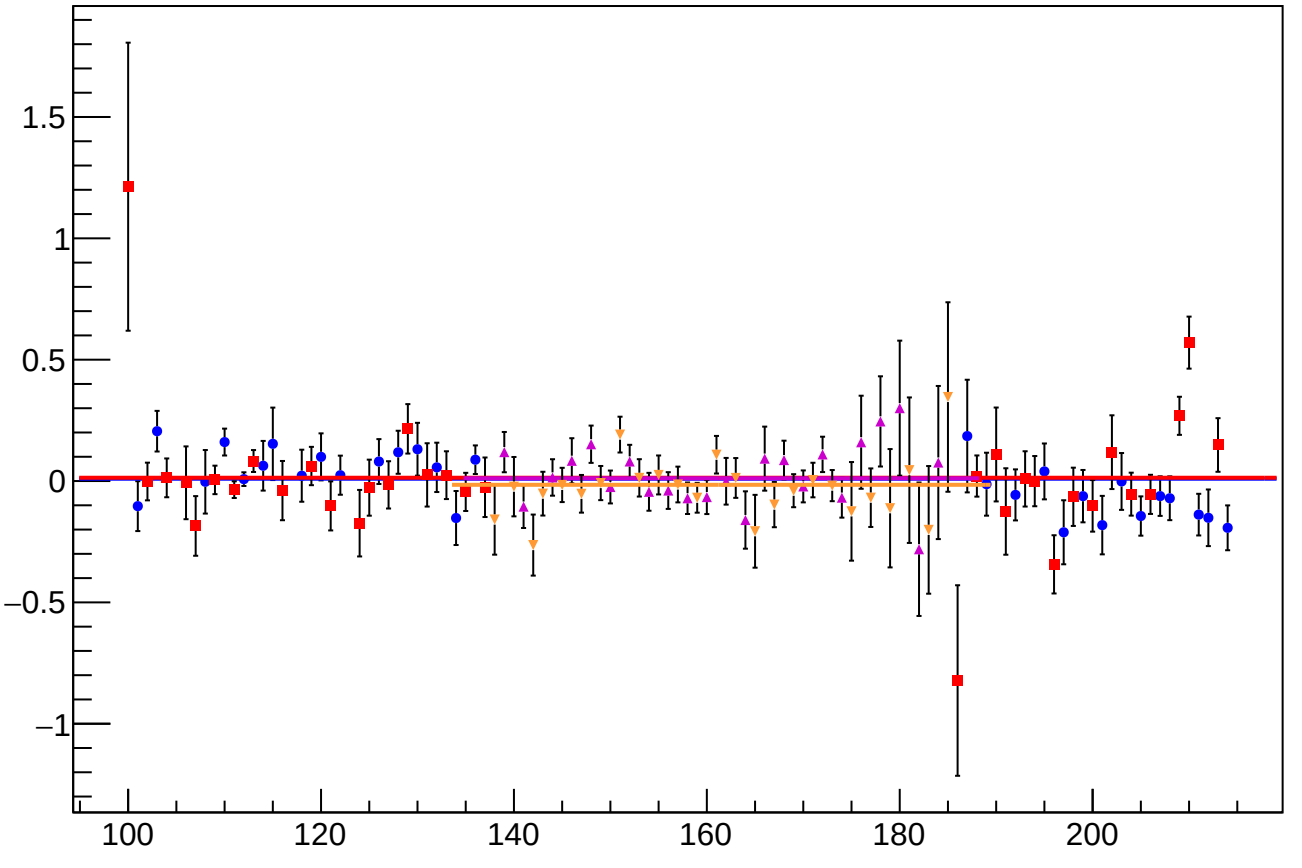
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 12850078.7/63

In: 0.000+/-0.000 χ^2/NDF:10361418.7/52

Out: 0.000+/-0.000 χ^2/NDF:11027725.8/58

All: 0.000+/-0.000 χ^2/NDF: 21433730.9/111



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

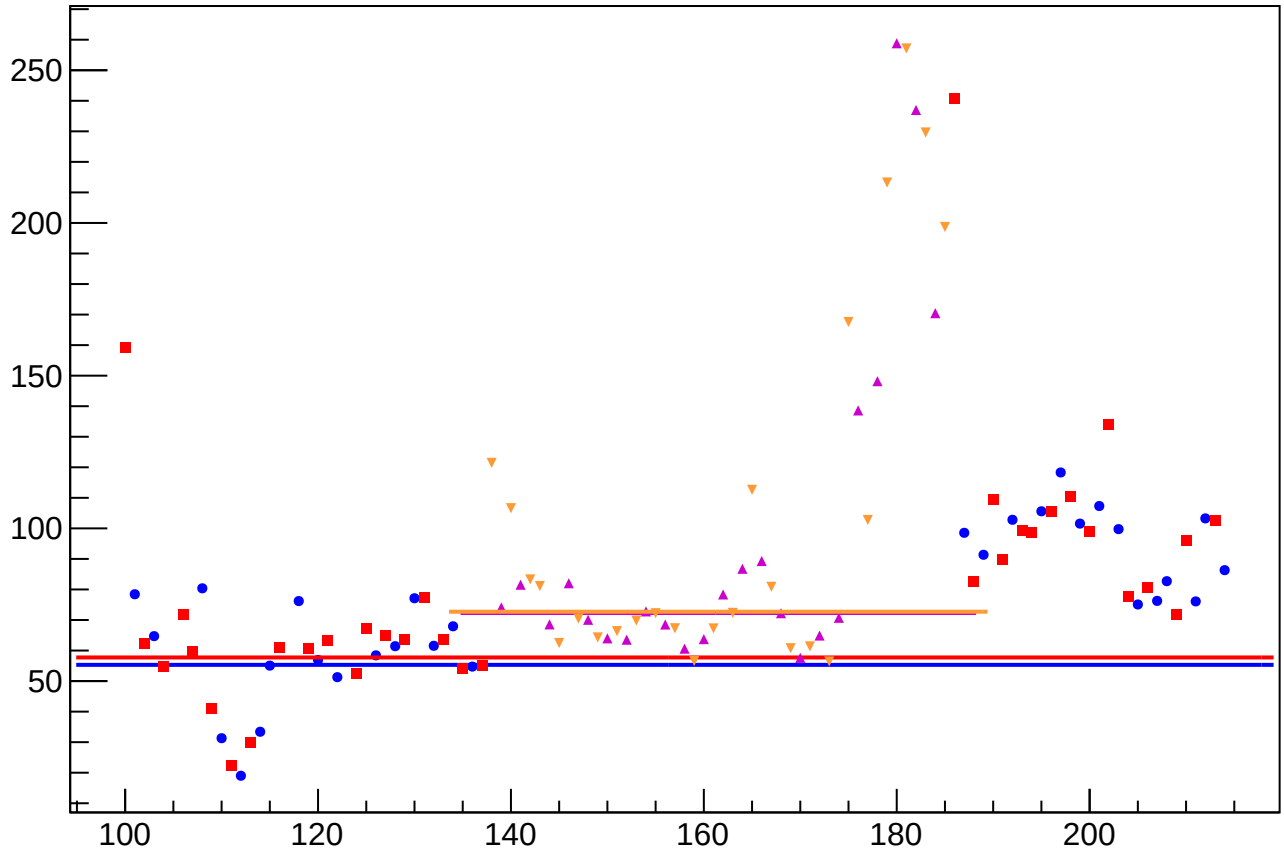
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.012+/-0.011 χ^2/NDF: 121.8/63

In: 0.010+/-0.012 χ^2/NDF:68.7/52

Out: 0.001+/-0.012 χ^2/NDF:99.6/58

All: 0.006+/-0.008 χ^2/NDF: 168.6/111



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

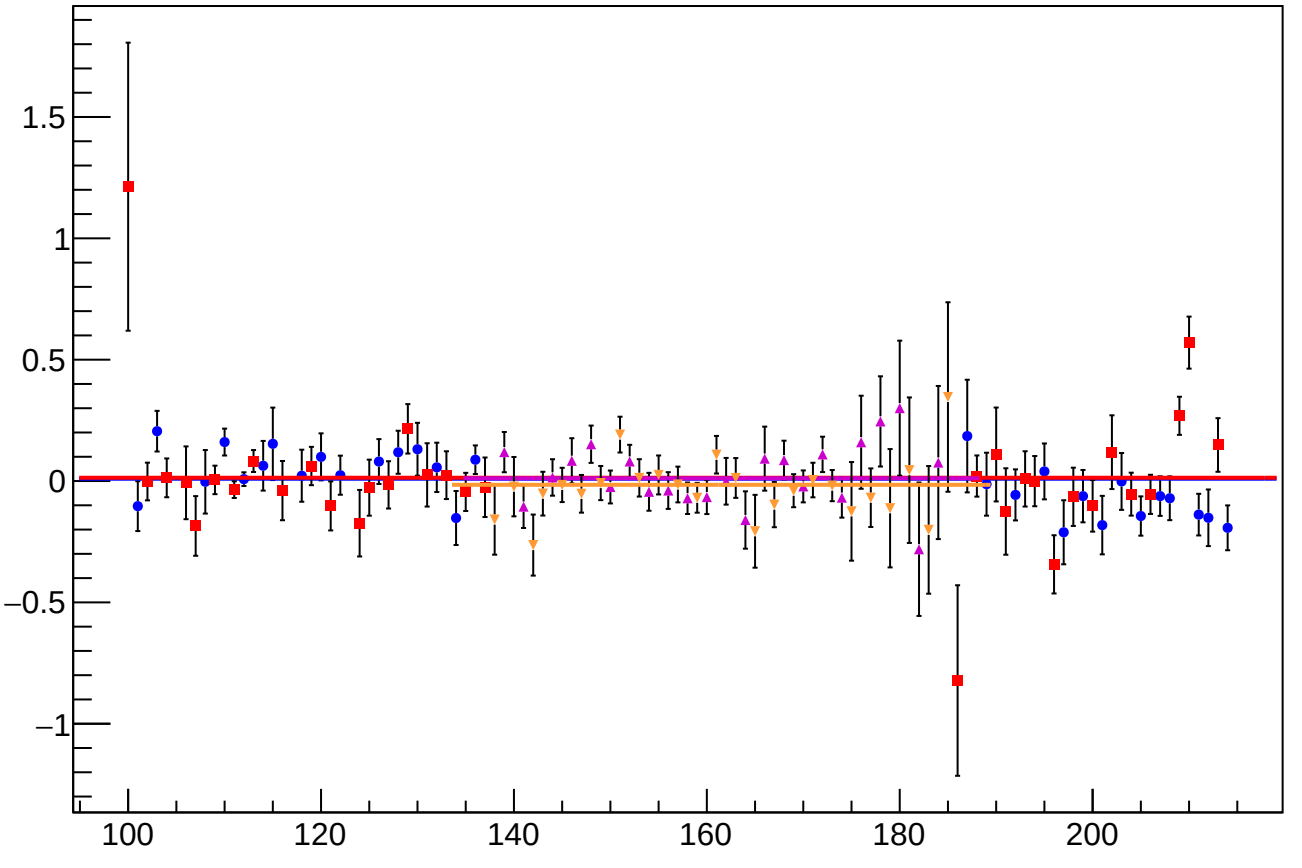
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 56.516+/-0.008 χ^2/NDF: 14905779.6/63

In: 62.159+/-0.008 χ^2/NDF:11637759.9/52

Out: 63.952+/-0.008 χ^2/NDF:11840670.2/58

All: 63.057+/-0.006 χ^2/NDF: 23502424.6/111



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

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

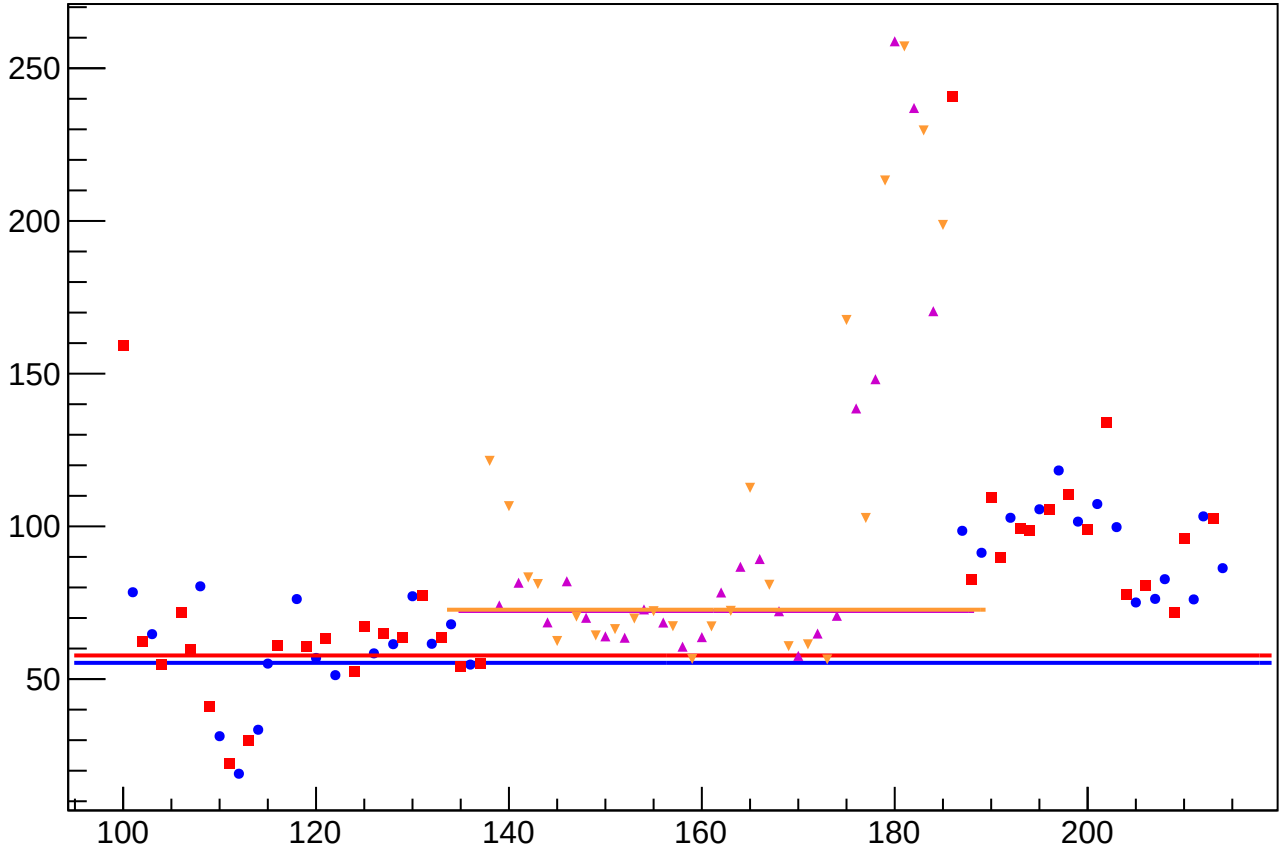
Right: 0.012+/-0.011 χ^2/NDF: 121.8/63

In: 0.010+/-0.012 χ^2/NDF:68.7/52

Out: 0.001+/-0.012 χ^2/NDF:99.6/58

All: 0.006+/-0.008 χ^2/NDF: 168.6/111

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

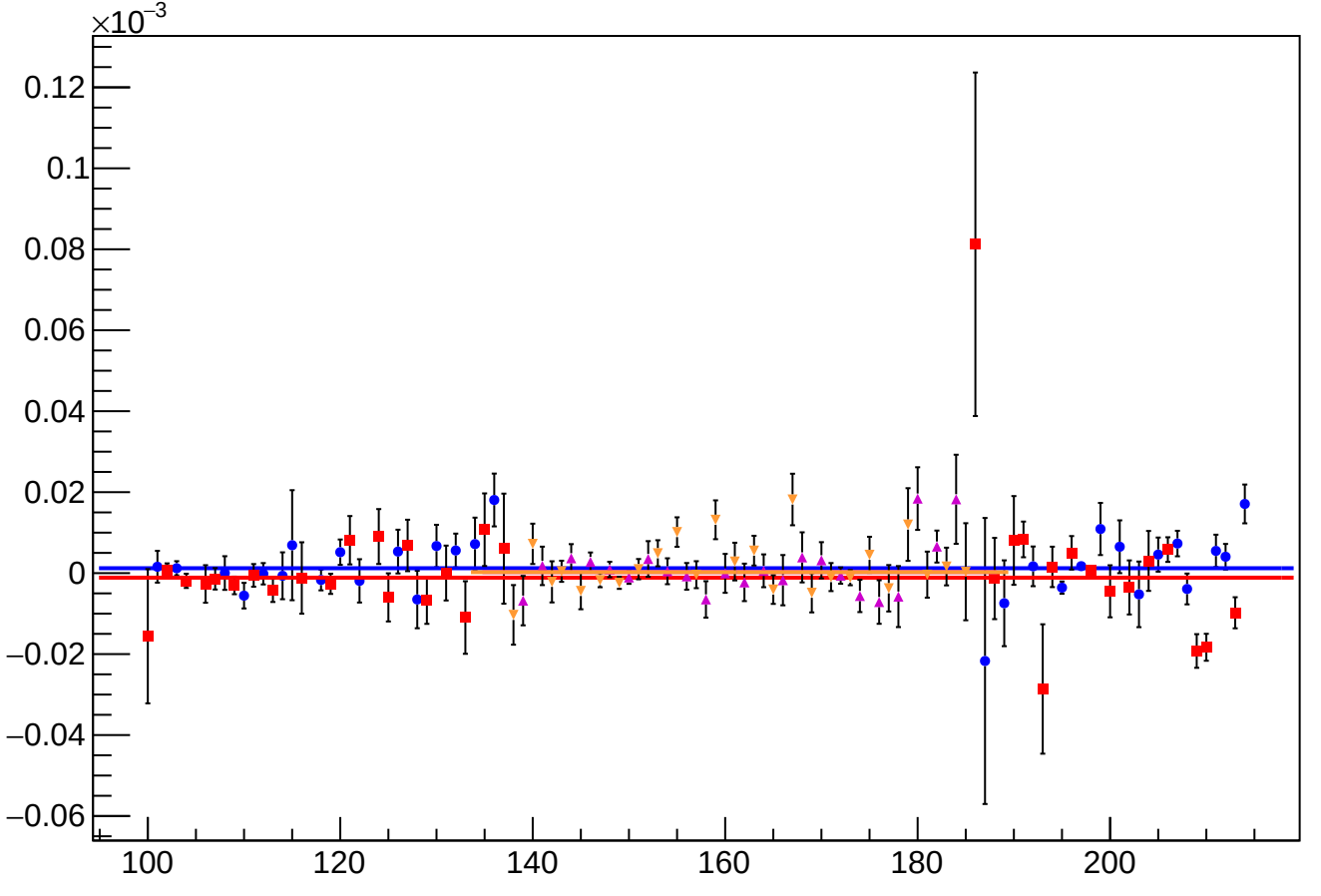
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 56.516+/-0.008 χ^2/NDF: 14905779.6/63

In: 62.159+/-0.008 χ^2/NDF:11637759.9/52

Out: 63.952+/-0.008 χ^2/NDF:11840670.2/58

All: 63.057+/-0.006 χ^2/NDF: 23502424.6/111



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

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

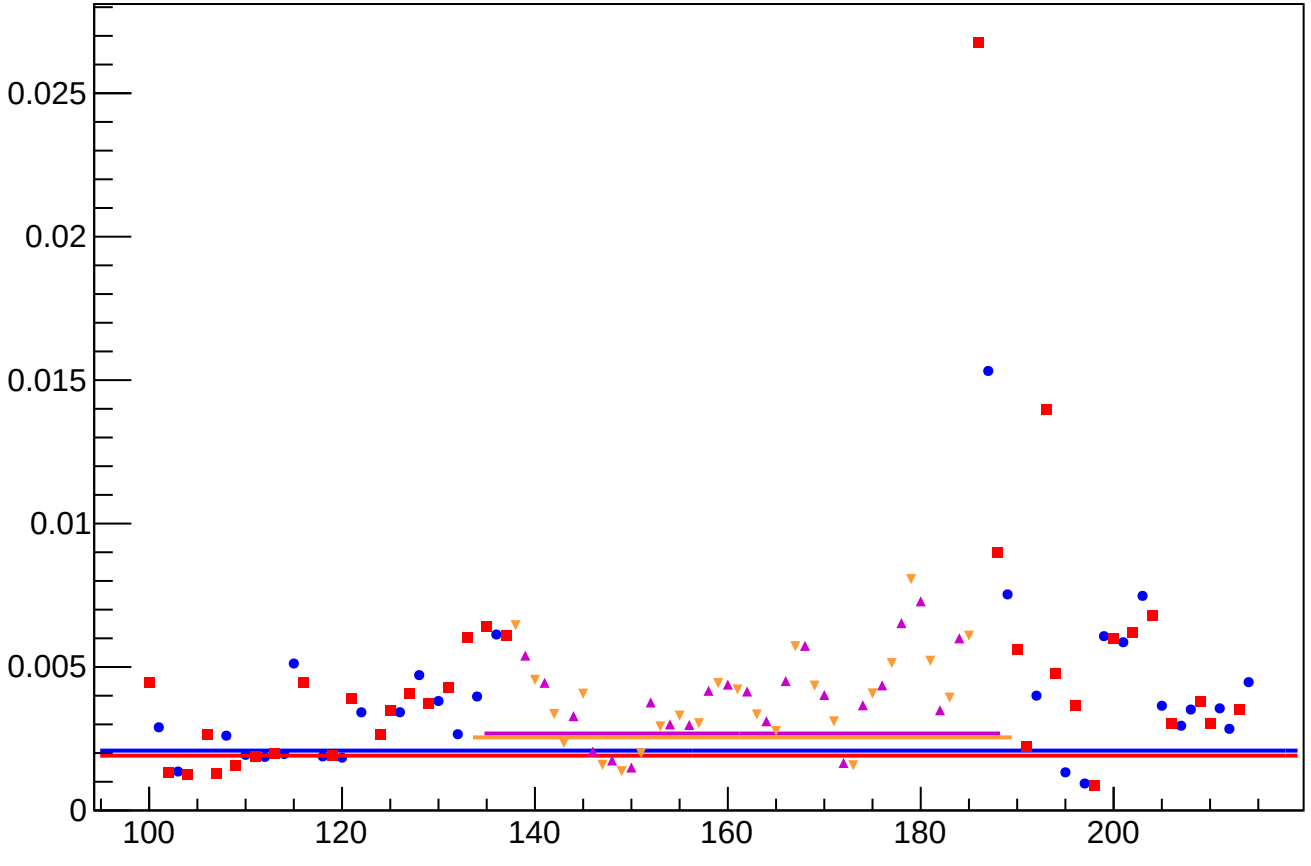
Right: -0.000+/-0.000 χ^2/NDF: 152.5/63

In: 0.000+/-0.000 χ^2/NDF:79.0/52

Out: -0.000+/-0.000 χ^2/NDF:136.2/58

All: 0.000+/-0.000 χ^2/NDF: 220.1/111

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

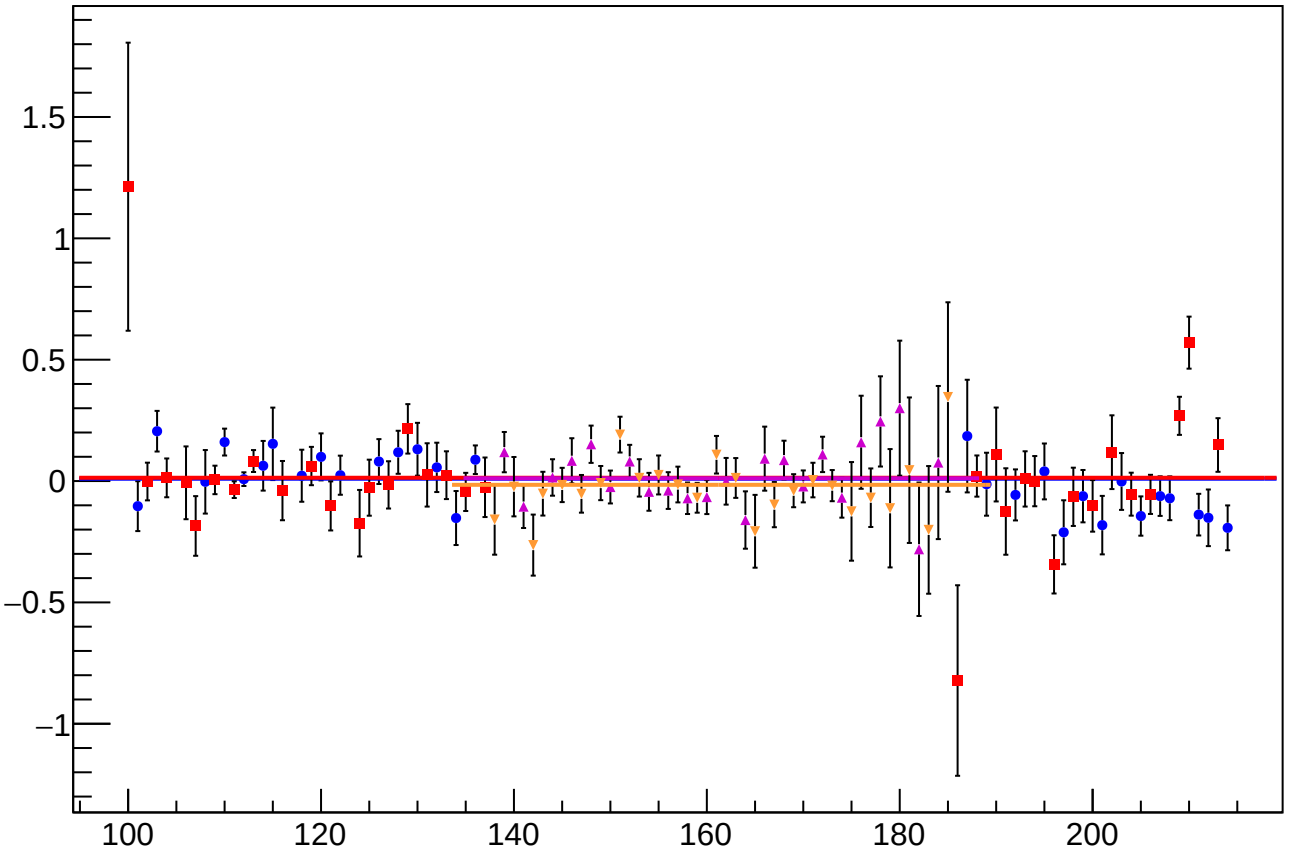
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 22800644.9/63

In: 0.002+/-0.000 χ^2/NDF:16925882.5/52

Out: 0.002+/-0.000 χ^2/NDF:21722436.7/58

All: 0.002+/-0.000 χ^2/NDF: 38772134.2/111



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

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

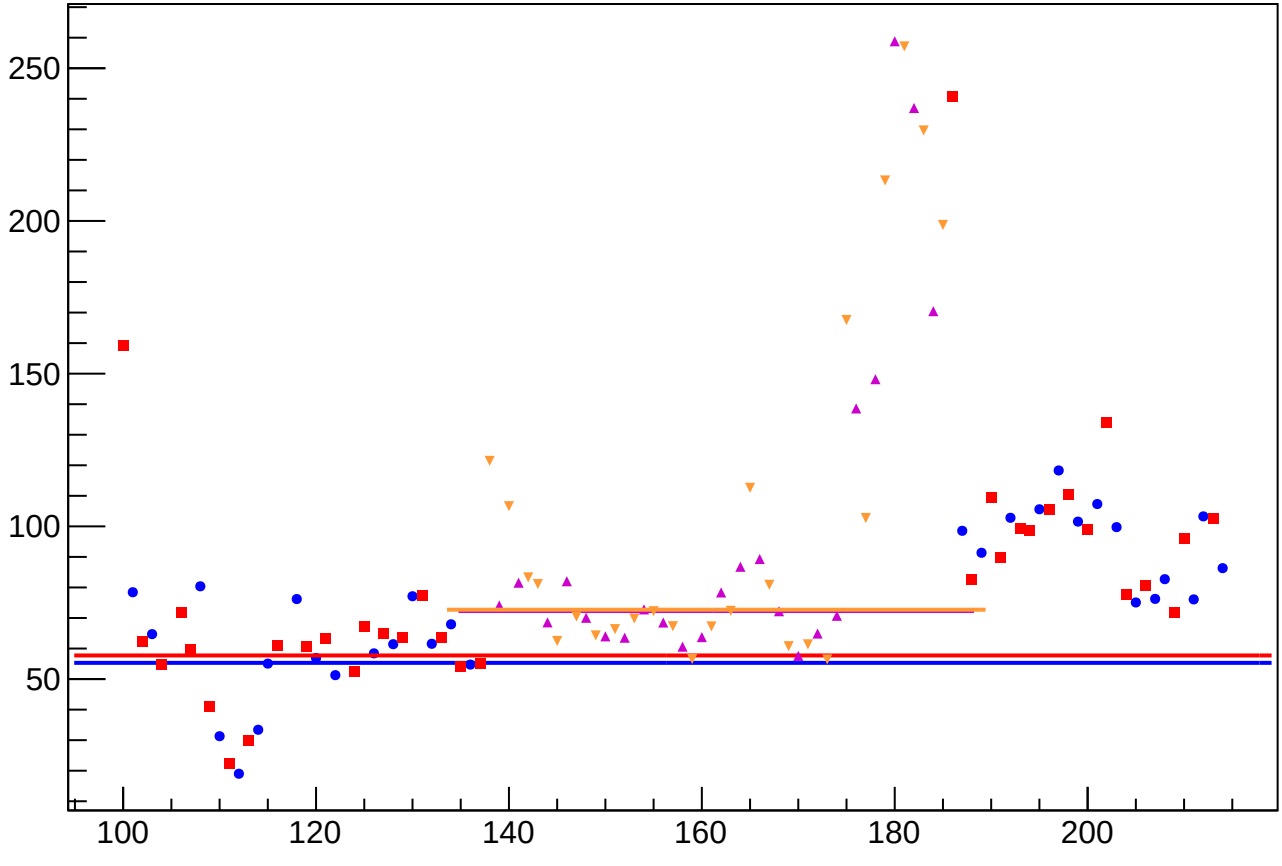
Right: 0.012+/-0.011 χ^2/NDF: 121.8/63

In: 0.010+/-0.012 χ^2/NDF:68.7/52

Out: 0.001+/-0.012 χ^2/NDF:99.6/58

All: 0.006+/-0.008 χ^2/NDF: 168.6/111

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

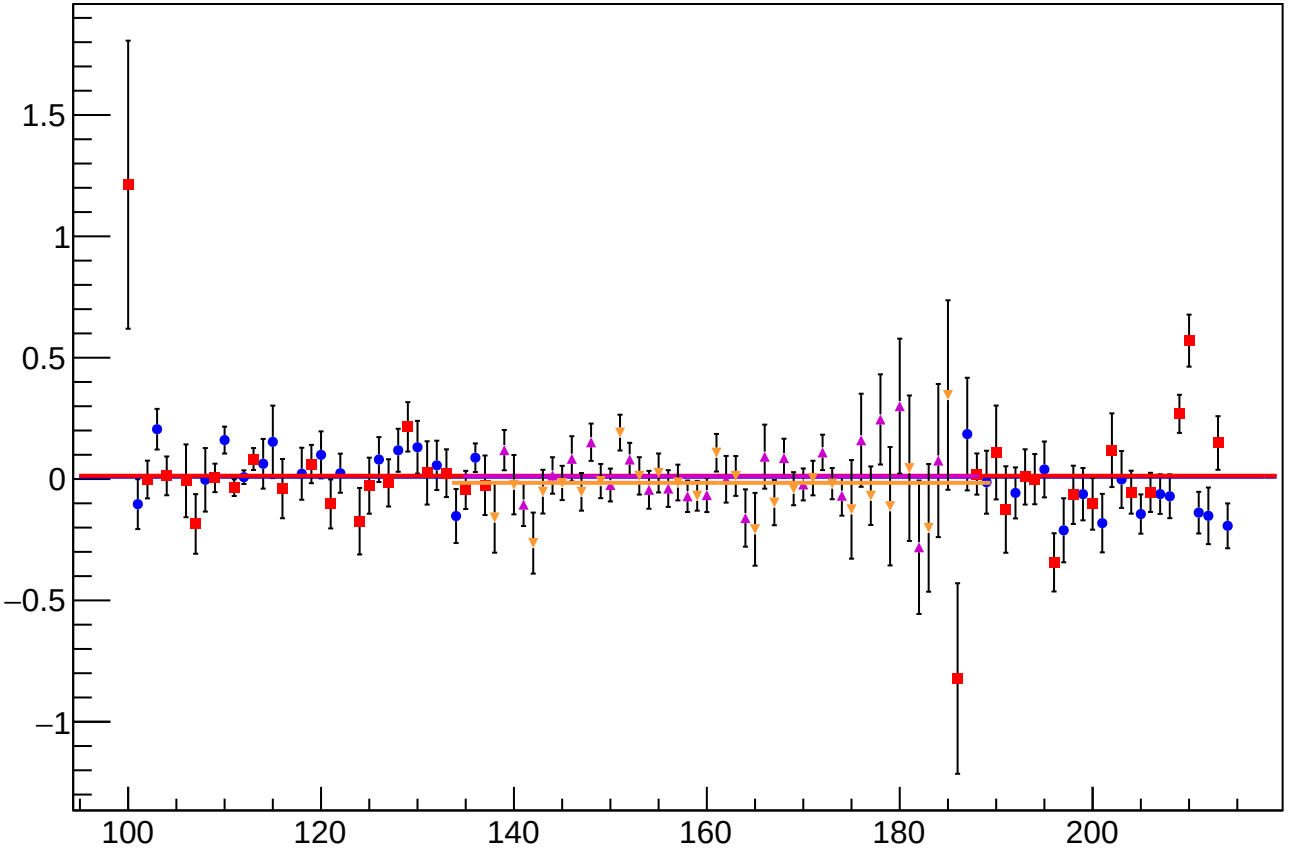
Right: 56.515+/-0.008 χ^2/NDF: 14906410.2/63

In: 62.158+/-0.008 χ^2/NDF:11638179.5/52

Out: 63.952+/-0.008 χ^2/NDF:11841106.6/58

All: 63.056+/-0.006 χ^2/NDF: 23503283.1/111

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

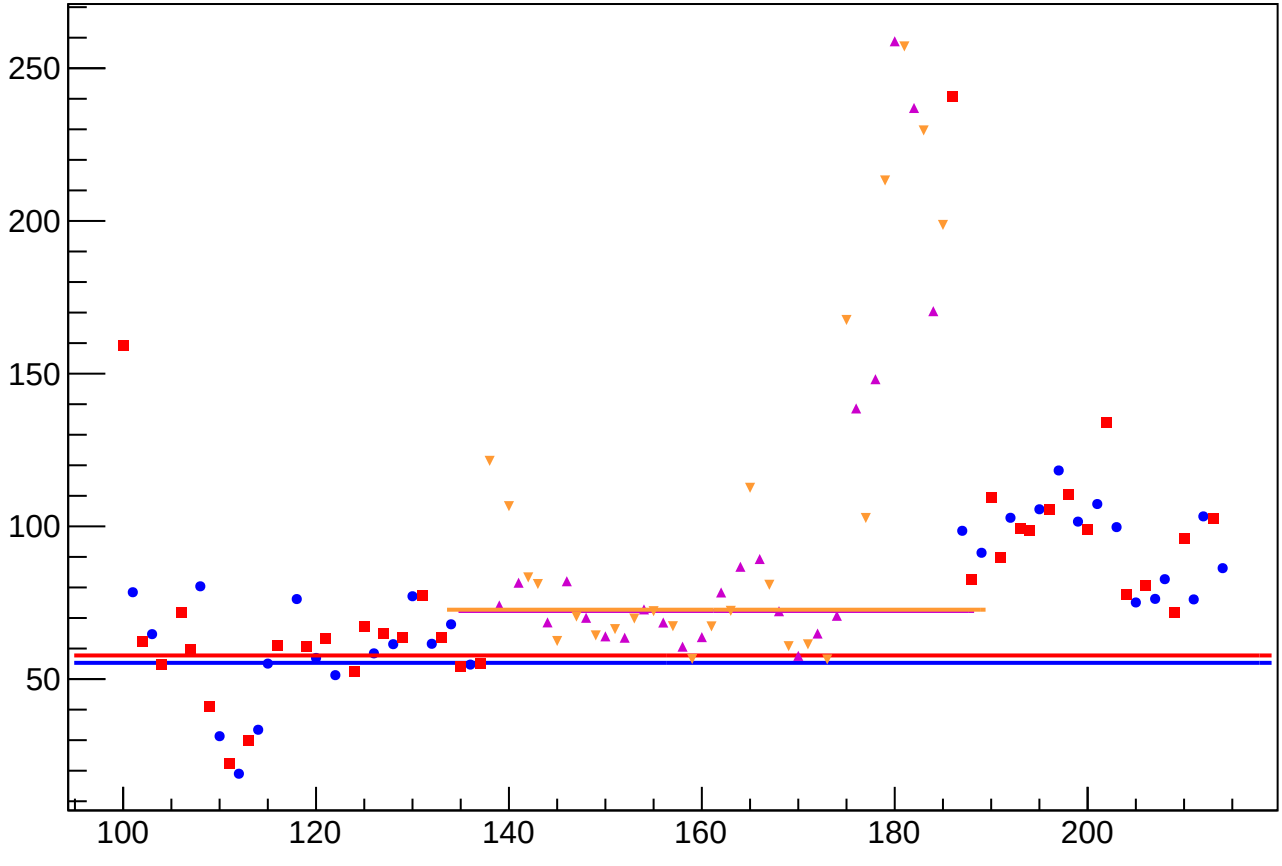
Right: 0.012+/-0.011 χ^2/NDF: 121.8/63

In: 0.010+/-0.012 χ^2/NDF:68.7/52

Out: 0.001+/-0.012 χ^2/NDF:99.6/58

All: 0.006+/-0.008 χ^2/NDF: 168.6/111

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

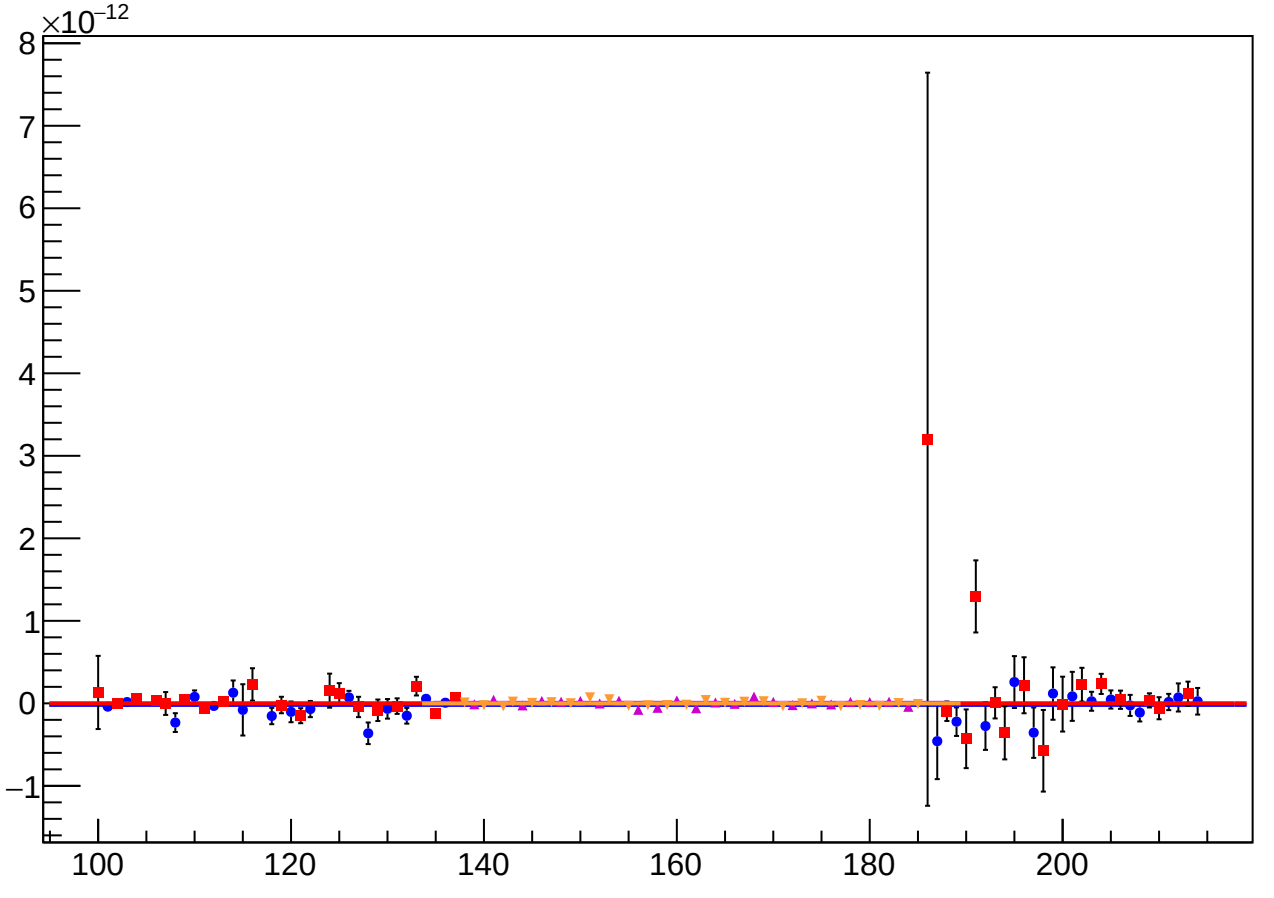
Right: 56.515+/-0.008 χ^2/NDF: 14906410.2/63

In: 62.158+/-0.008 χ^2/NDF:11638179.5/52

Out: 63.952+/-0.008 χ^2/NDF:11841106.6/58

All: 63.056+/-0.006 χ^2/NDF: 23503283.1/111

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

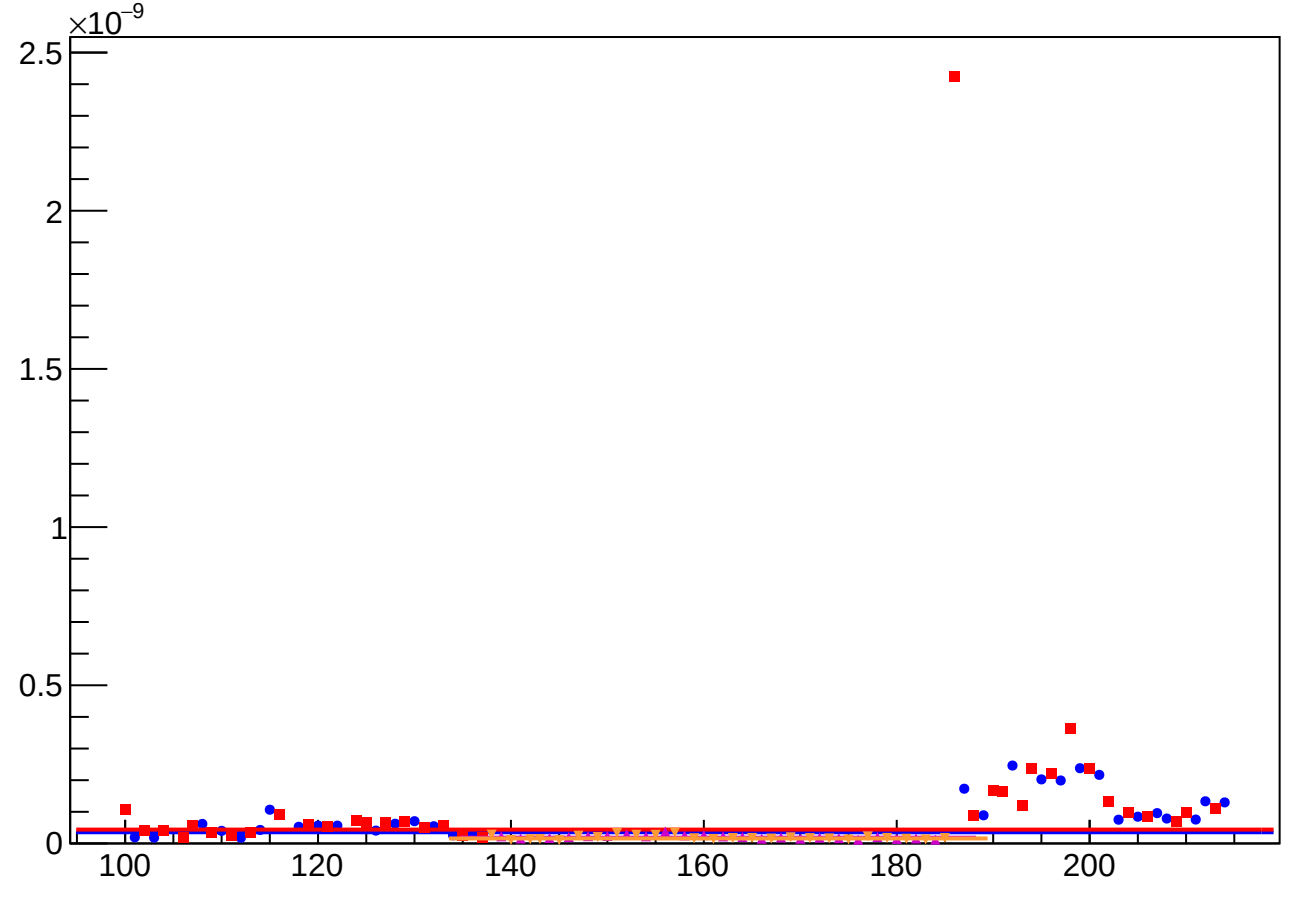
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 74.9/63

In: 0.000+/-0.000 χ^2/NDF:71.2/52

Out: -0.000+/-0.000 χ^2/NDF:71.8/58

All: 0.000+/-0.000 χ^2/NDF: 143.4/111



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

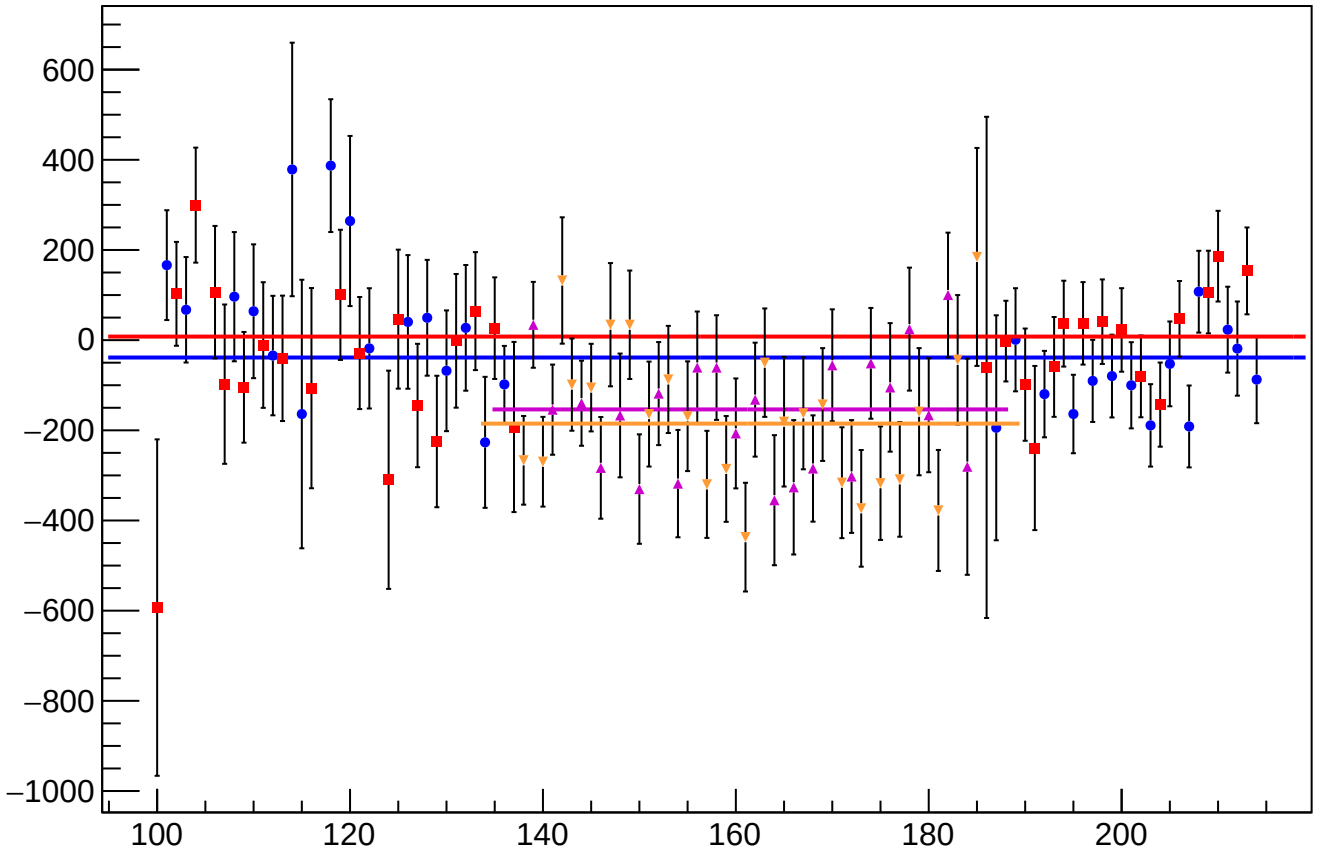
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 18518464.2/63

In: 0.000+/-0.000 χ^2/NDF:14028737.9/52

Out: 0.000+/-0.000 χ^2/NDF:16871721.0/58

All: 0.000+/-0.000 χ^2/NDF: 31139177.2/111



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

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

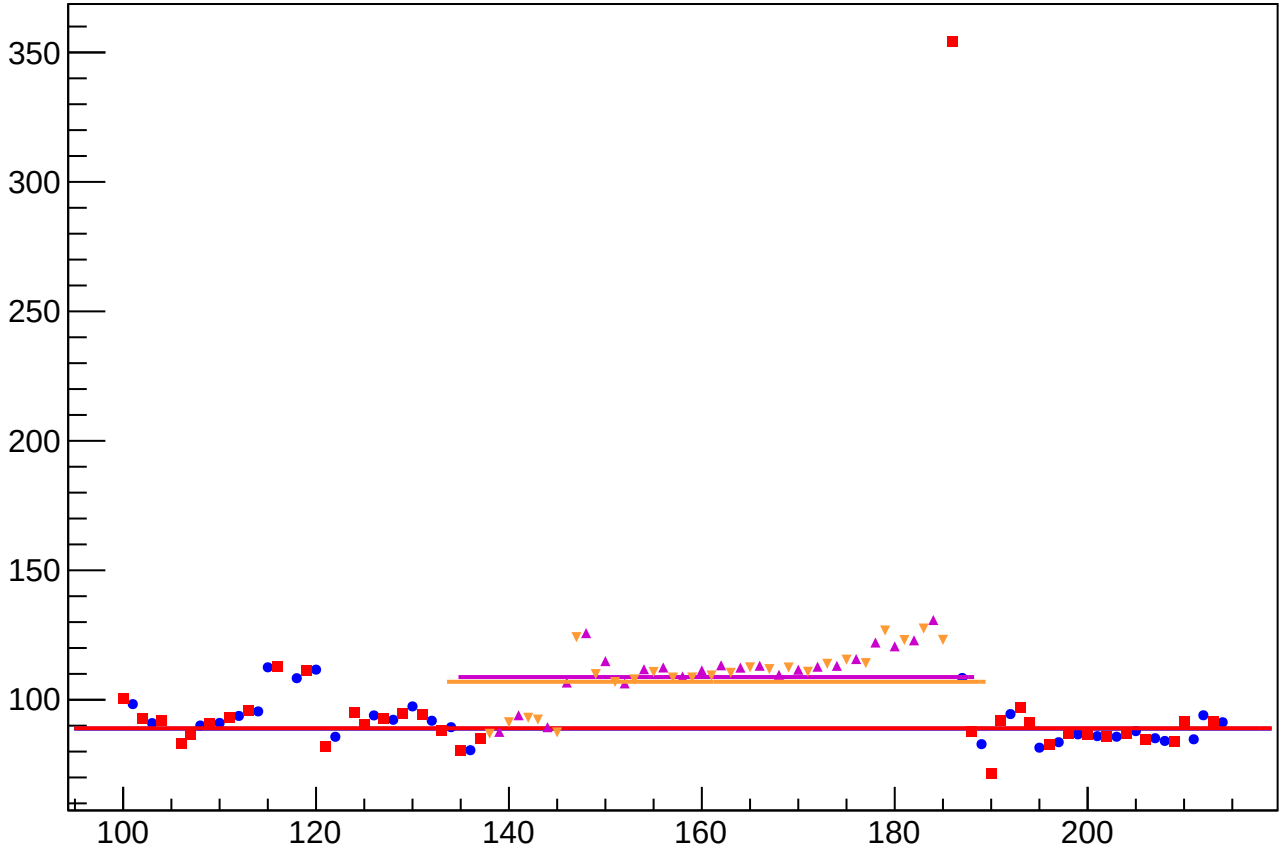
Right: -15.040+/-14.628 χ^2/NDF: 68.8/63

In: -84.449+/-16.131 χ^2/NDF:70.4/52

Out: -72.084+/-15.740 χ^2/NDF:101.2/58

All: -78.115+/-11.266 χ^2/NDF: 171.9/111

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

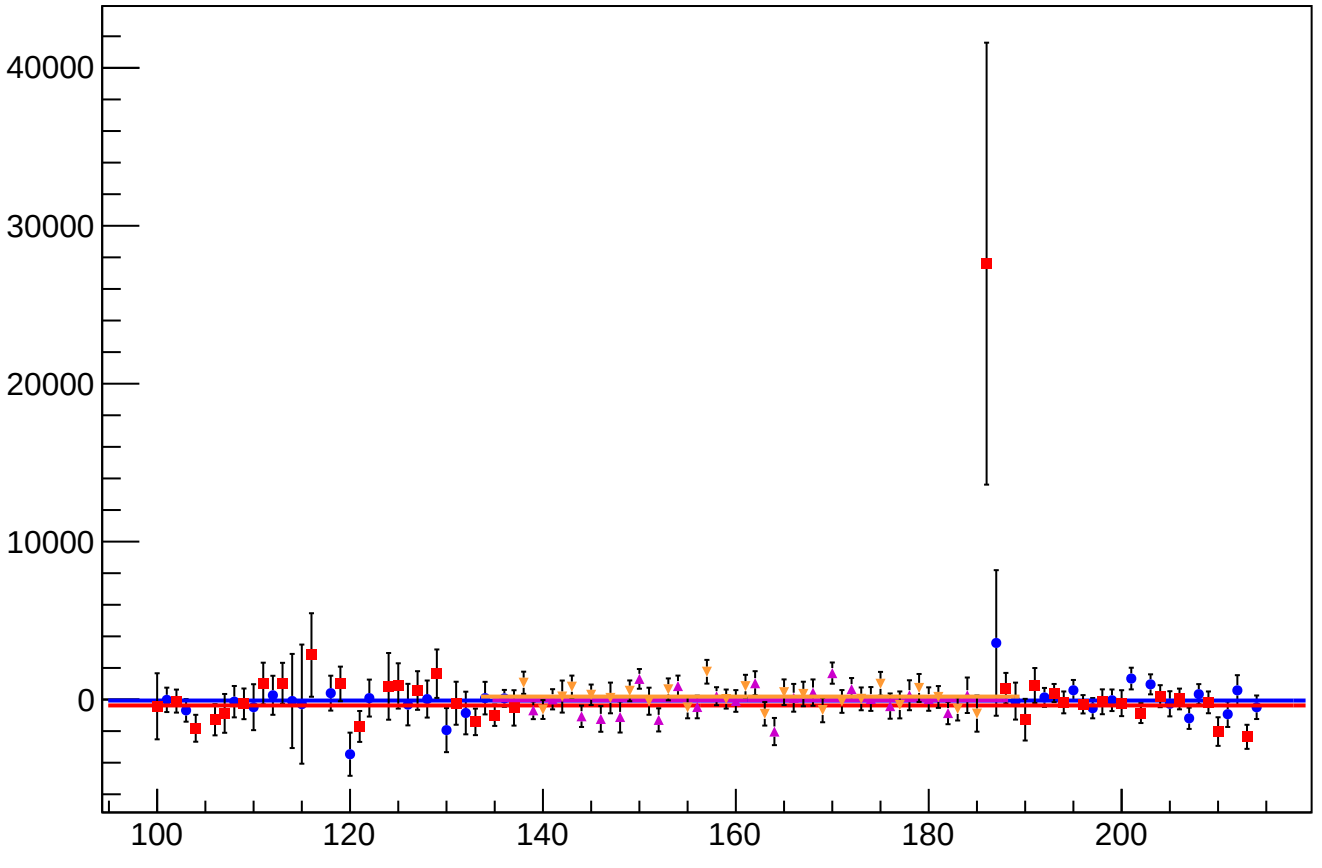
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.923+/-0.010 χ^2/NDF: 849353.1/63

In: 96.798+/-0.011 χ^2/NDF:1287984.9/52

Out: 96.440+/-0.011 χ^2/NDF:1748037.1/58

All: 96.614+/-0.008 χ^2/NDF: 3036525.3/111



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

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

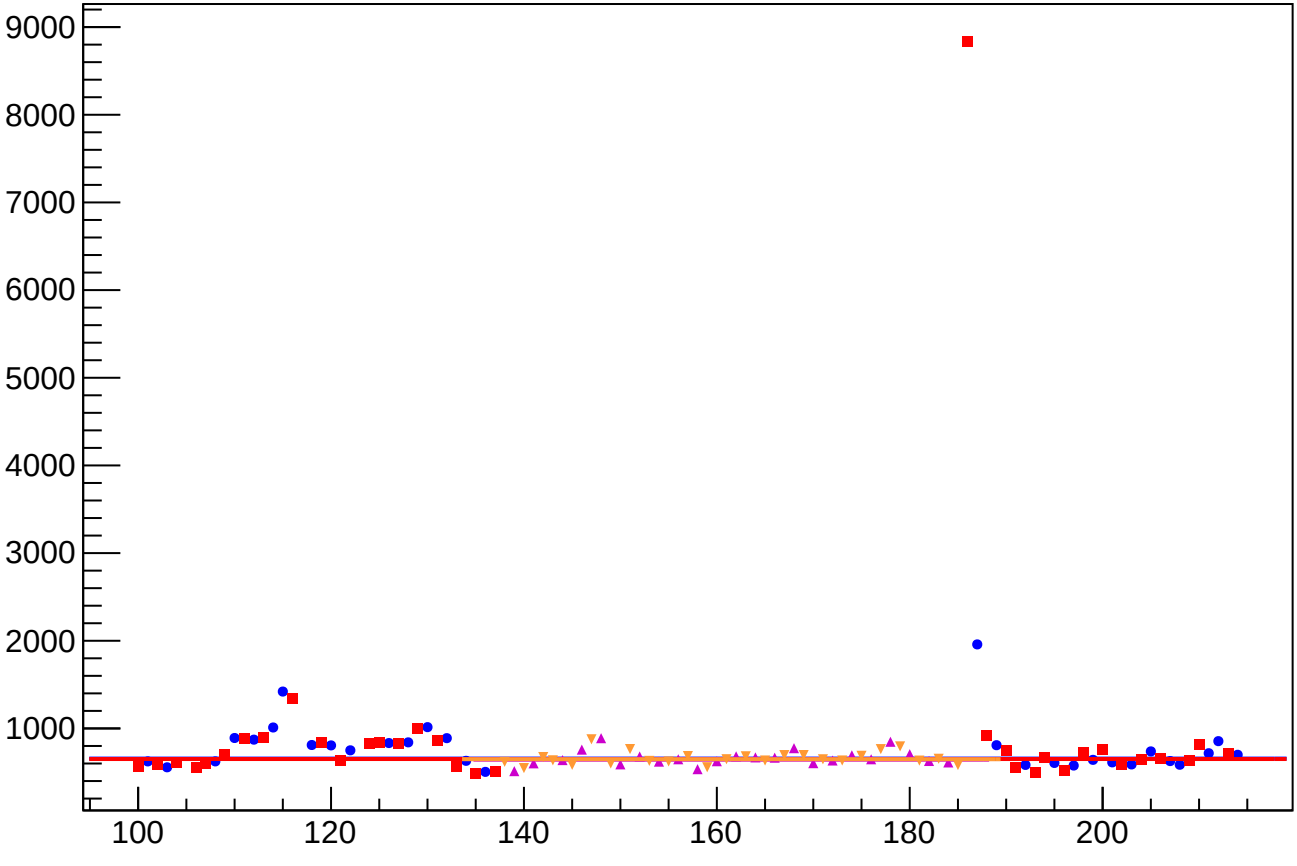
Right: -221.498+/-110.189 χ^2/NDF: 63.8/63

In: -53.224+/-109.221 χ^2/NDF:57.5/52

Out: -83.198+/-107.251 χ^2/NDF:63.9/58

All: -68.484+/-76.525 χ^2/NDF: 121.5/111

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



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

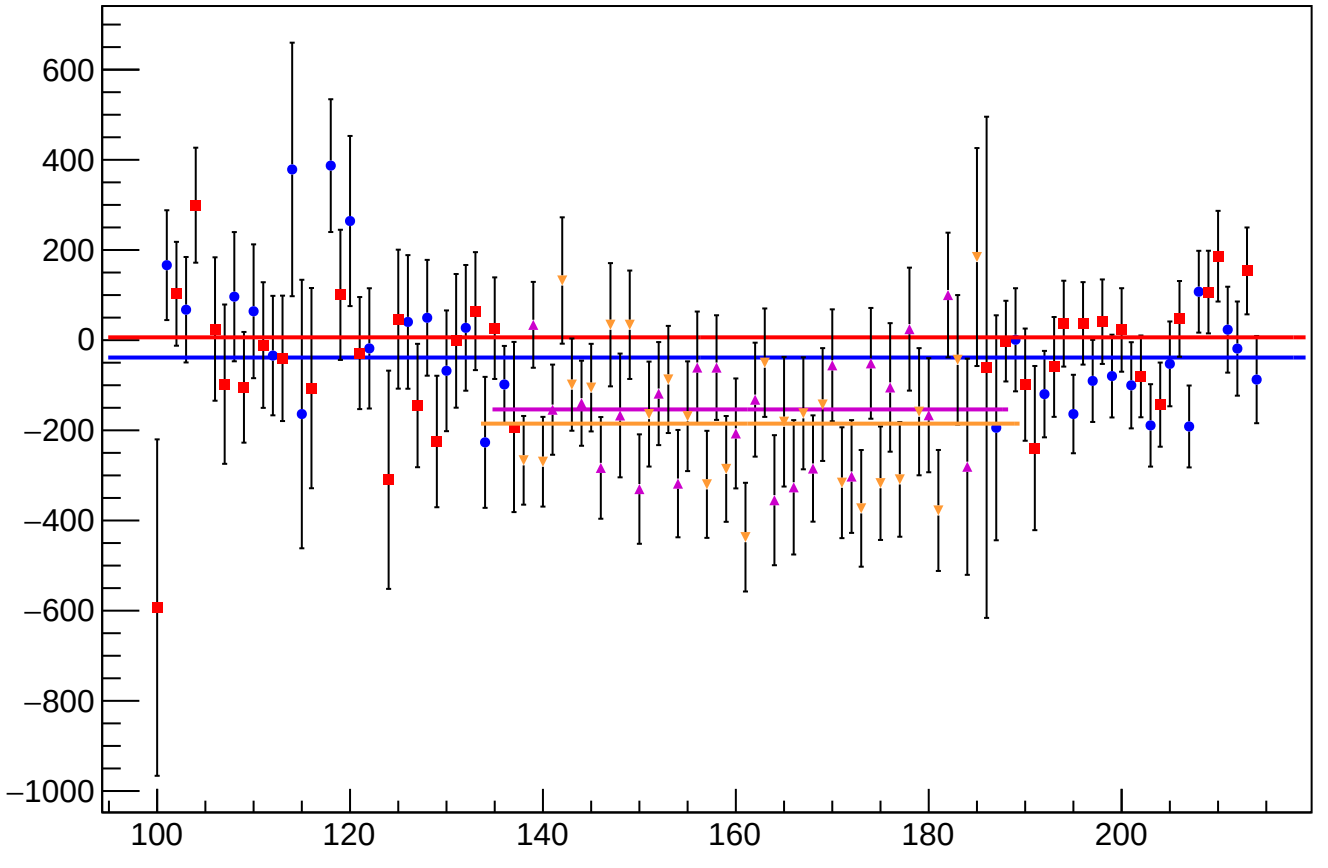
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 653.525+/-0.078 χ^2/NDF: 3287405.6/63

In: 649.827+/-0.077 χ^2/NDF:1797440.7/52

Out: 650.136+/-0.076 χ^2/NDF:2472587.3/58

All: 649.985+/-0.054 χ^2/NDF: 4270036.1/111



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

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

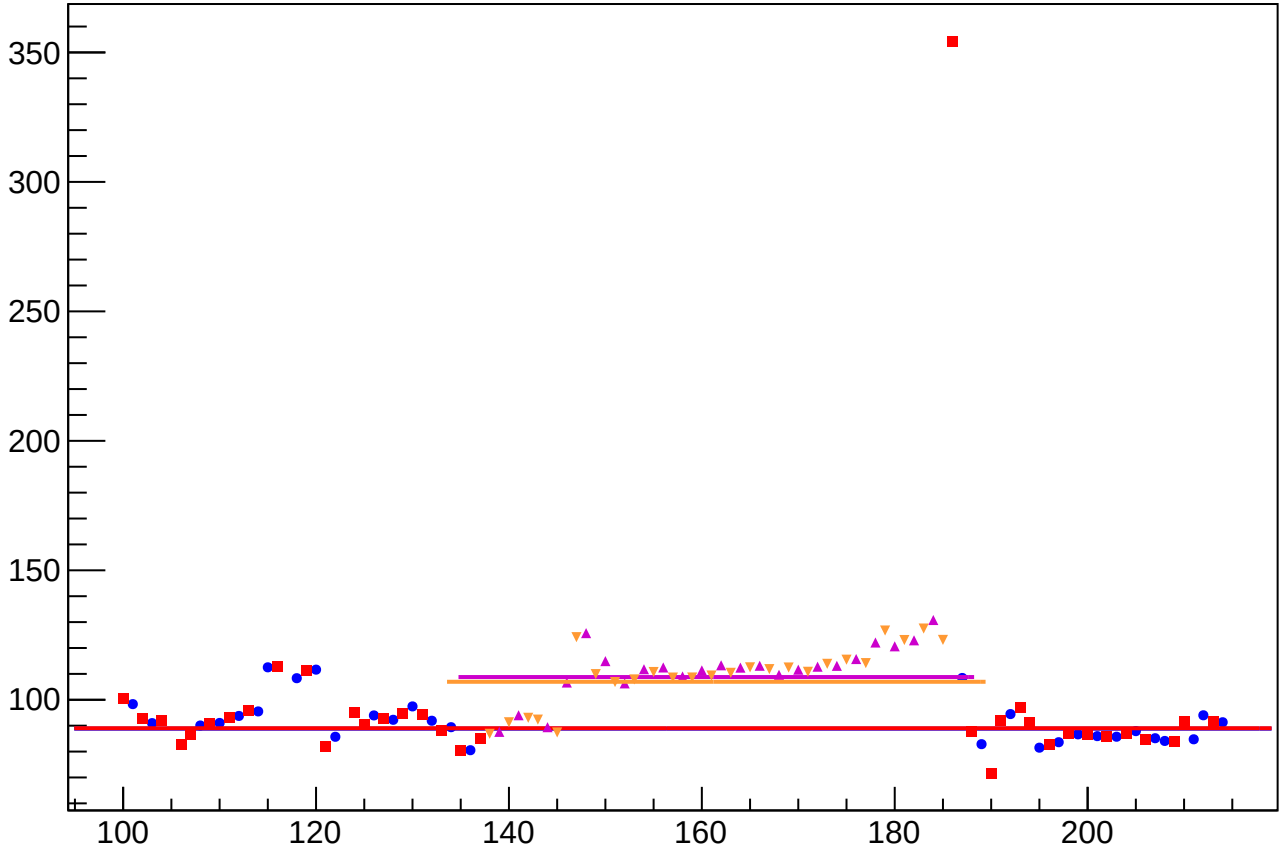
Right: -15.912+/-14.638 χ^2/NDF: 68.2/63

In: -84.450+/-16.131 χ^2/NDF:70.4/52

Out: -73.193+/-15.754 χ^2/NDF:100.1/58

All: -78.688+/-11.271 χ^2/NDF: 170.7/111

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

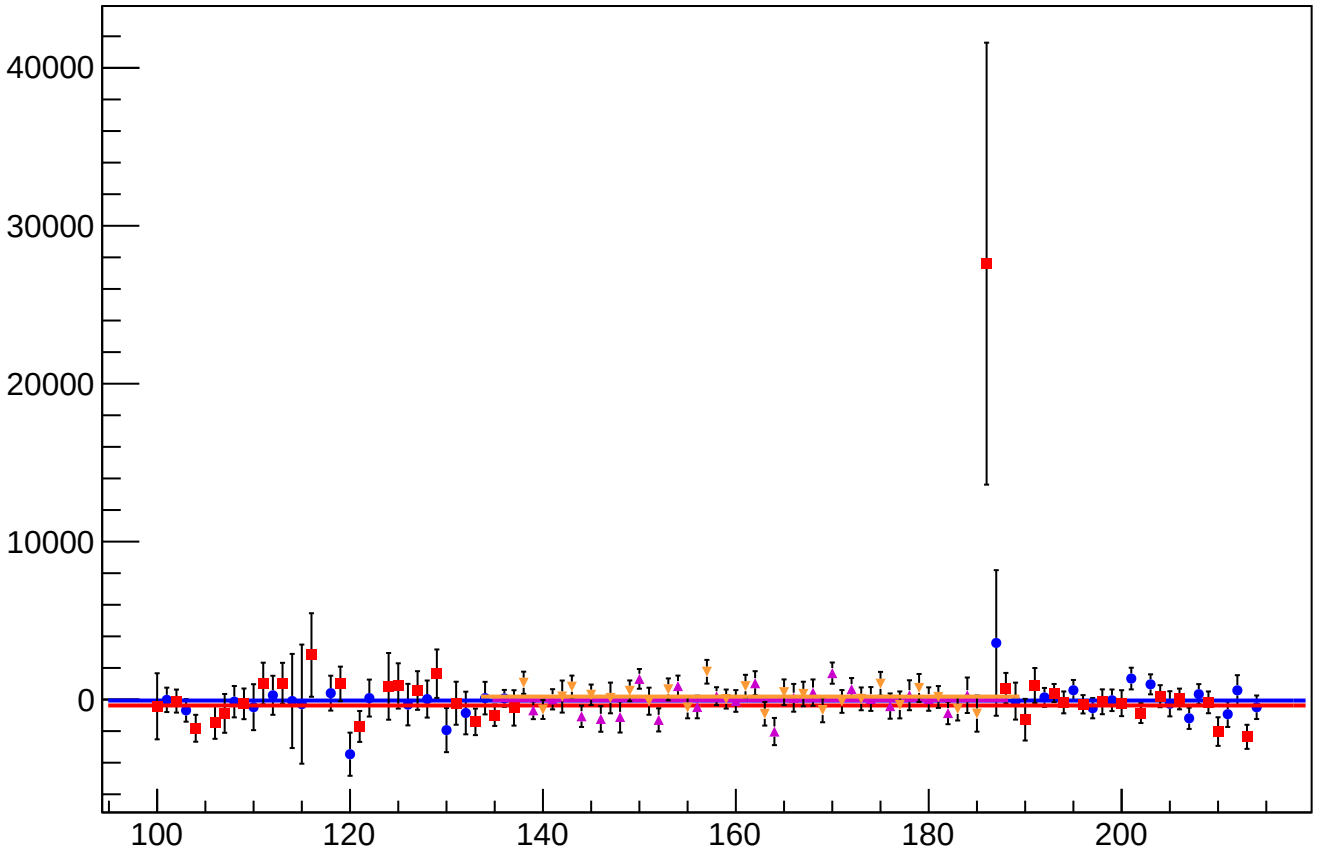
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.927+/-0.010 χ^2/NDF: 849423.1/63

In: 96.798+/-0.011 χ^2/NDF:1287985.0/52

Out: 96.457+/-0.011 χ^2/NDF:1746795.1/58

All: 96.623+/-0.008 χ^2/NDF: 3035235.7/111



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

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

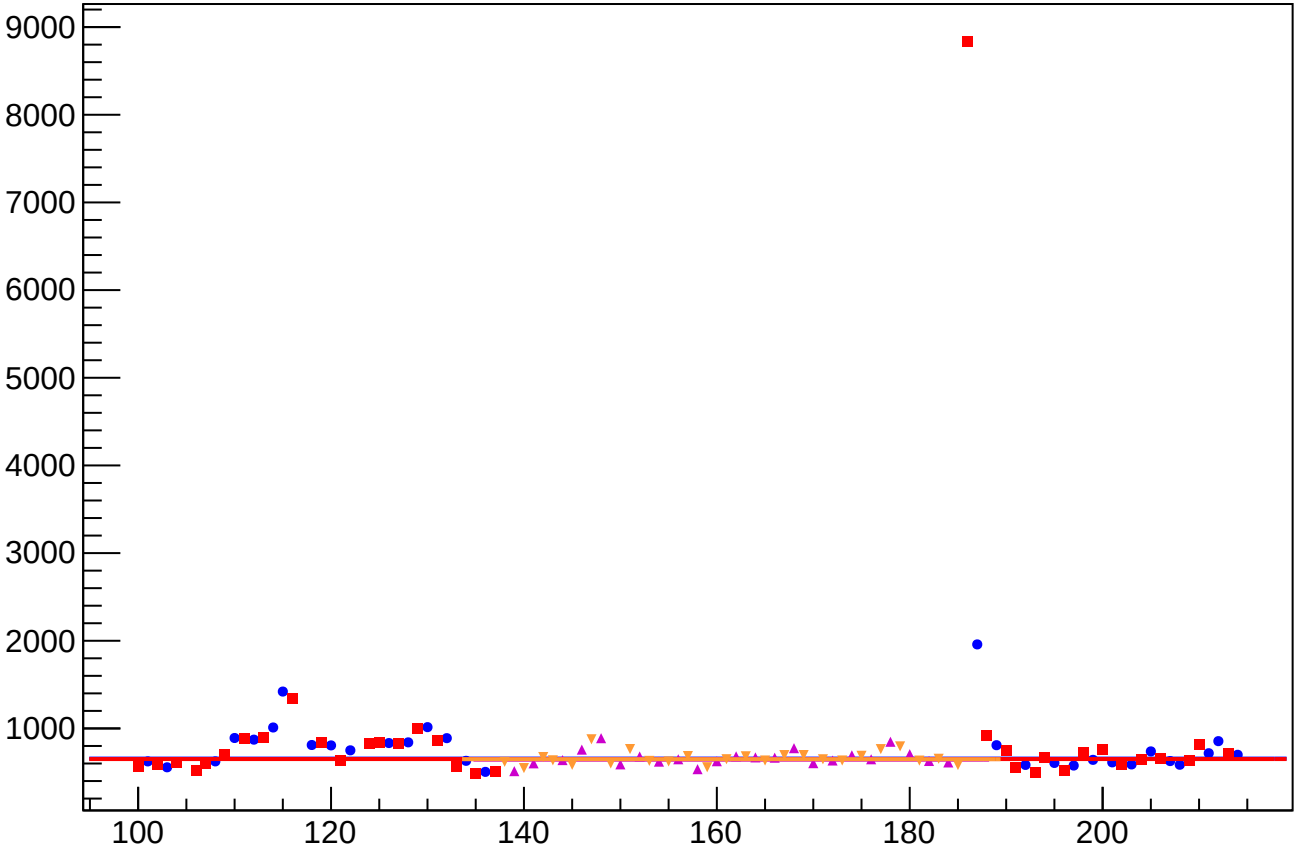
Right: -221.928+/-110.260 χ^2/NDF: 64.0/63

In: -53.226+/-109.221 χ^2/NDF:57.5/52

Out: -83.438+/-107.317 χ^2/NDF:64.1/58

All: -68.598+/-76.549 χ^2/NDF: 121.7/111

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



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

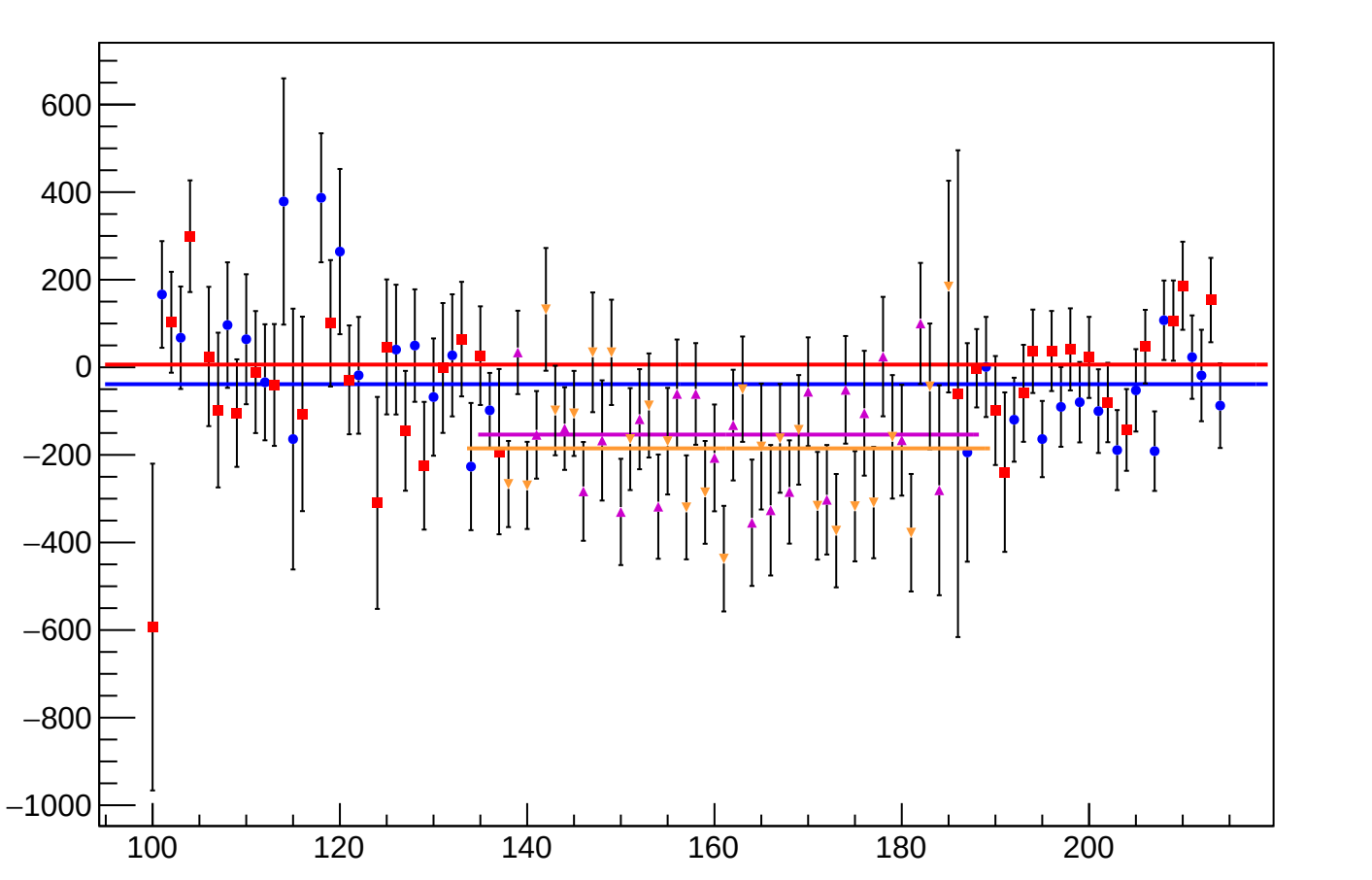
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 653.348+/-0.078 χ^2/NDF: 3297123.0/63

In: 649.827+/-0.077 χ^2/NDF:1797441.6/52

Out: 649.964+/-0.076 χ^2/NDF:2482105.2/58

All: 649.897+/-0.054 χ^2/NDF: 4279548.4/11



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

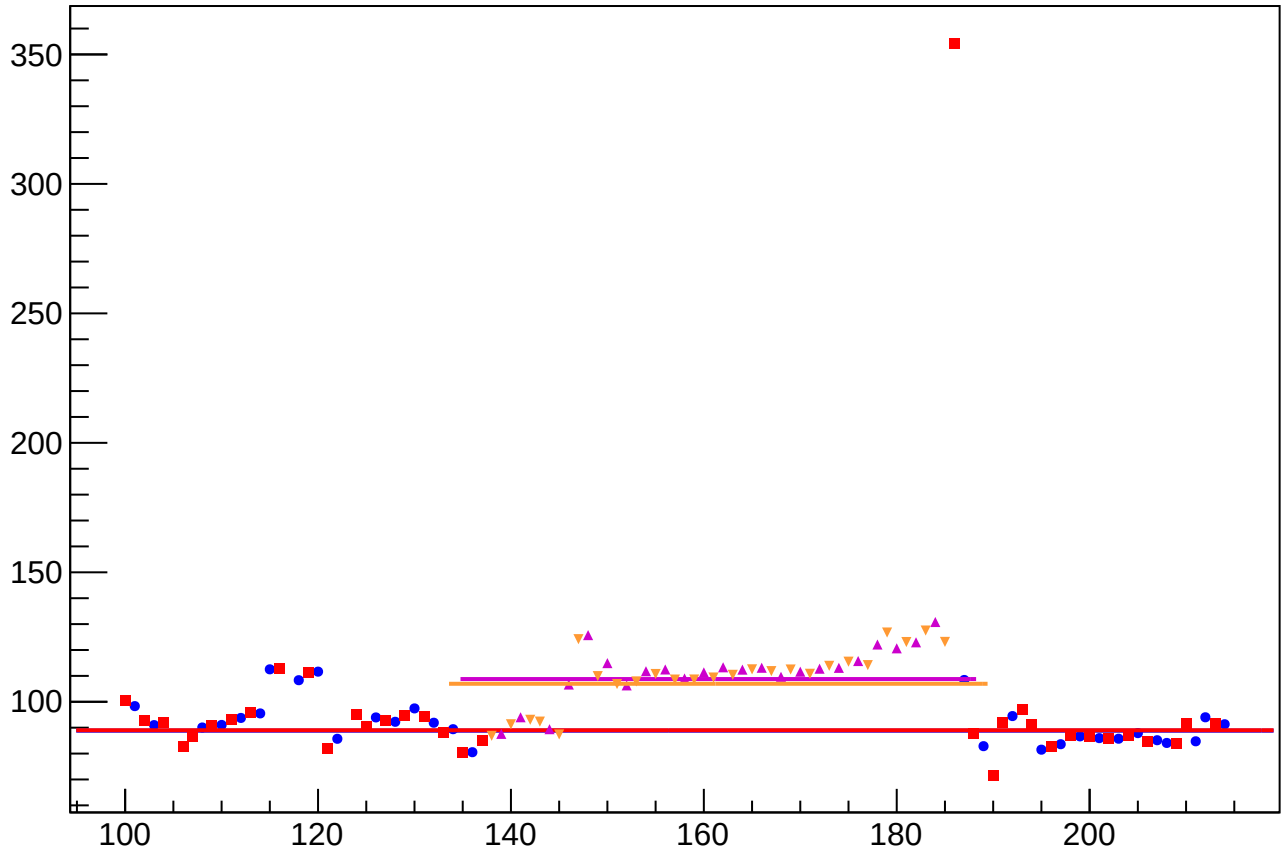
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -15.912+/-14.638 χ^2/NDF: 68.2/63

In: -84.450+/-16.131 χ^2/NDF:70.4/52

Out: -73.193+/-15.754 χ^2/NDF:100.1/58

All: -78.688+/-11.271 χ^2/NDF: 170.7/111



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

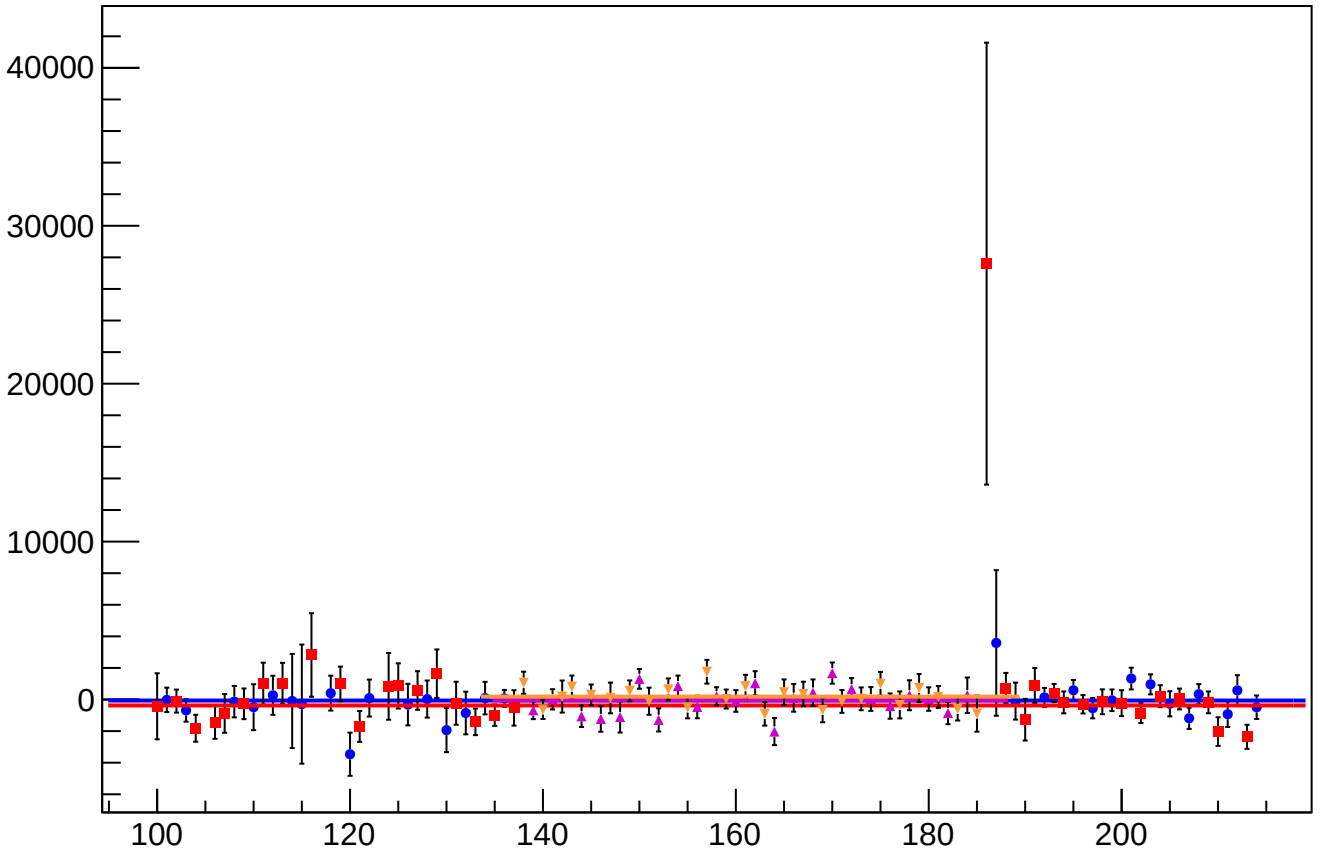
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.927+/-0.010 χ^2/NDF: 849423.1/63

In: 96.798+/-0.011 χ^2/NDF:1287985.0/52

Out: 96.457+/-0.011 χ^2/NDF:1746795.1/58

All: 96.623+/-0.008 χ^2/NDF: 3035235.7/111



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

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

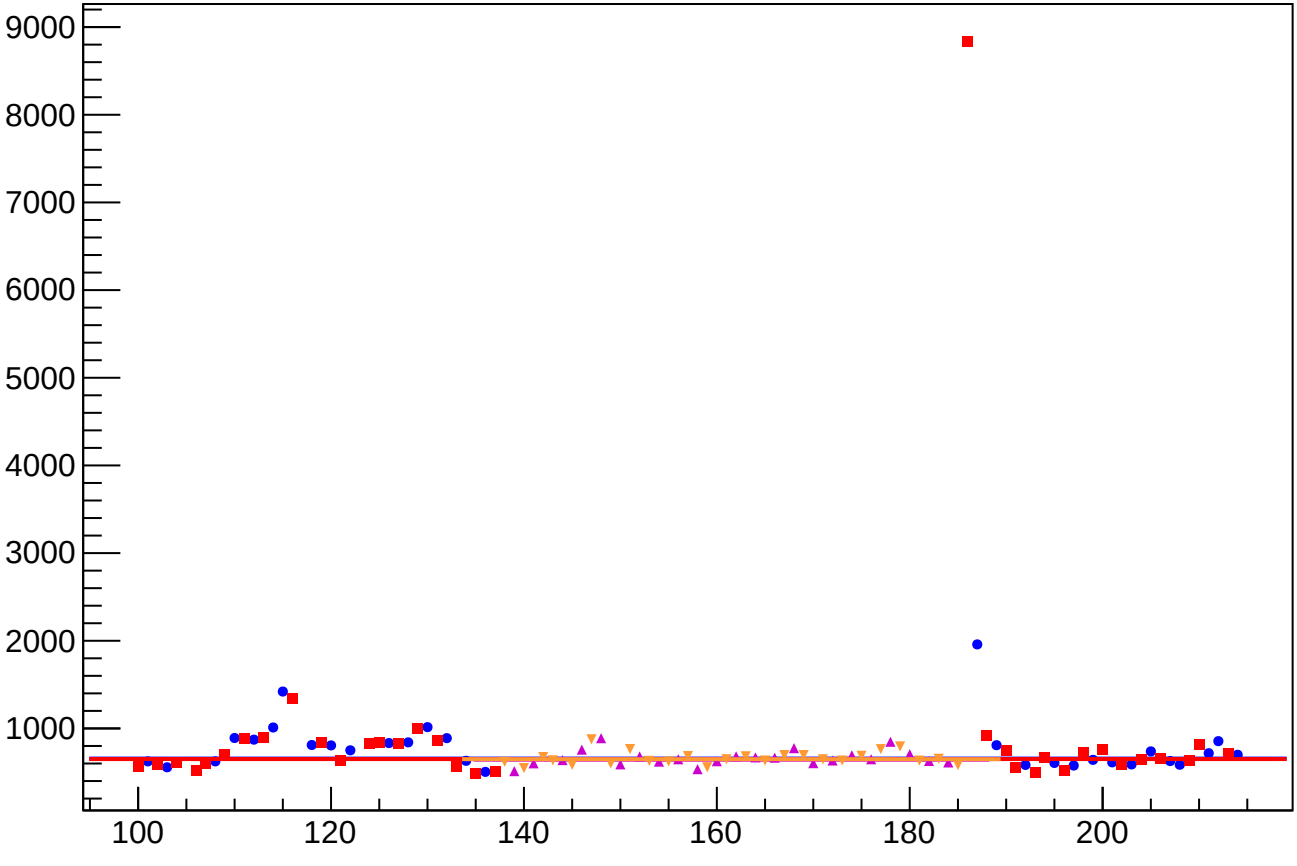
Right: -221.928+/-110.260 χ^2/NDF: 64.0/63

In: -53.226+/-109.221 χ^2/NDF:57.5/52

Out: -83.438+/-107.317 χ^2/NDF:64.1/58

All: -68.598+/-76.549 χ^2/NDF: 121.7/111

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

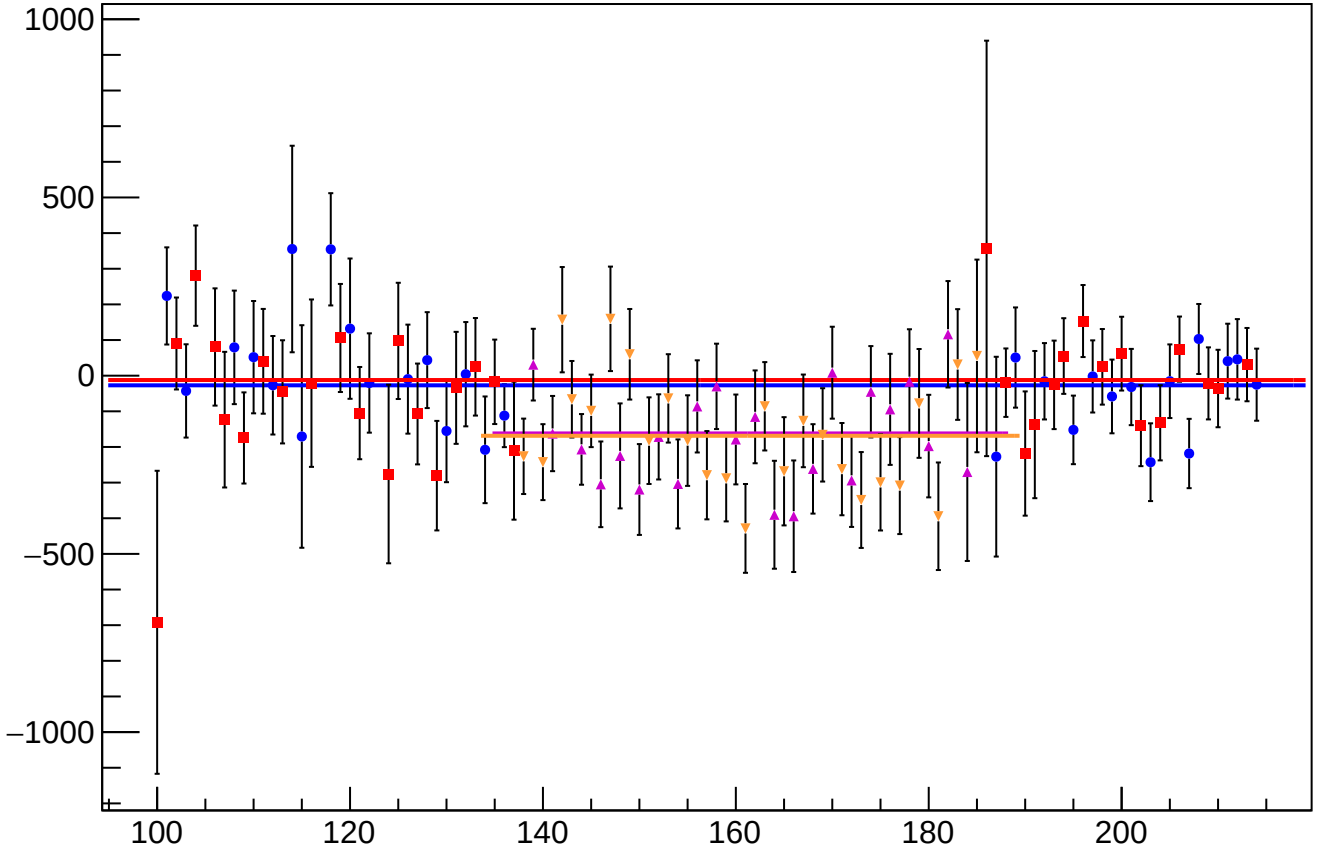
Right: 653.348+/-0.078 χ^2/NDF: 3297123.0/63

In: 649.827+/-0.077 χ^2/NDF:1797441.6/52

Out: 649.964+/-0.076 χ^2/NDF:2482105.2/58

All: 649.897+/-0.054 χ^2/NDF: 4279548.4/111

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

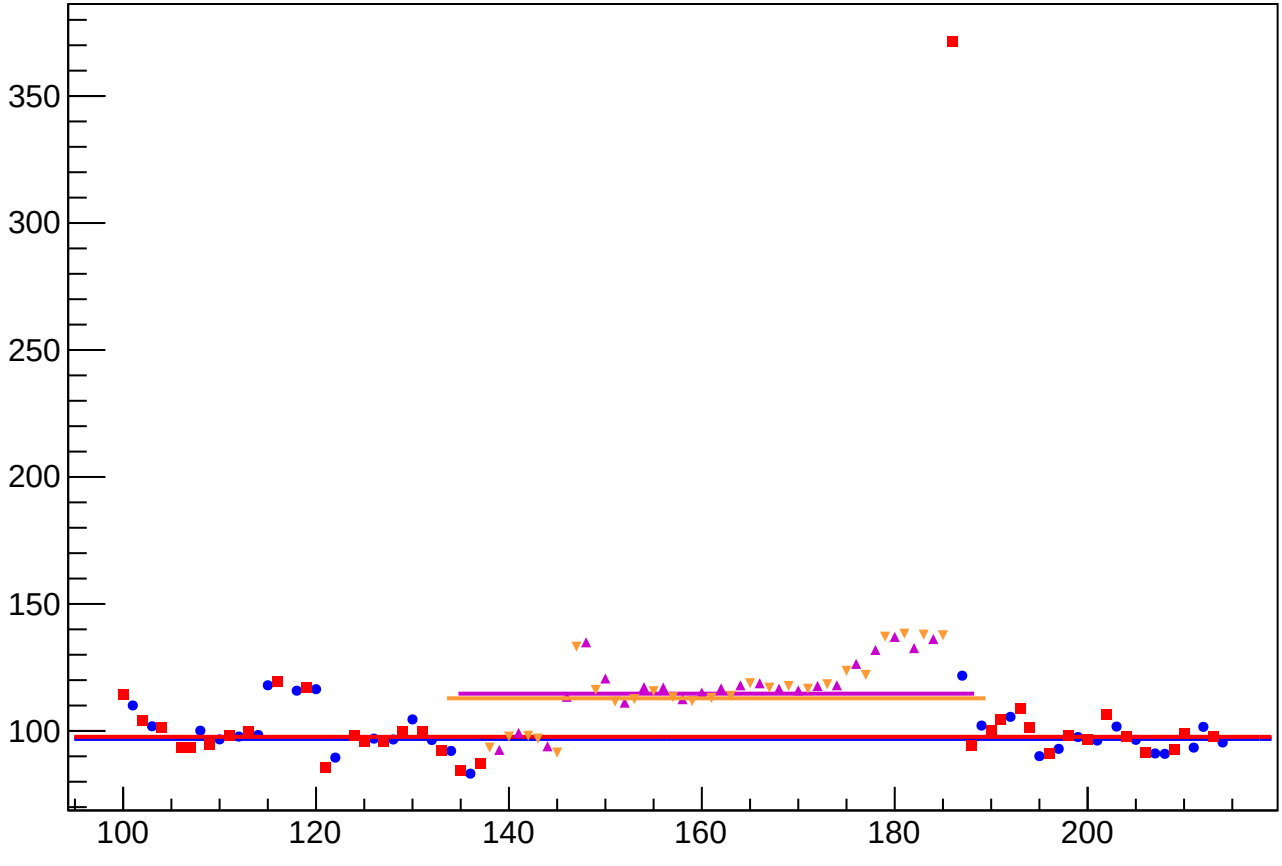
Right: -19.600+/-16.008 χ^2/NDF: 56.3/63

In: -83.071+/-17.359 χ^2/NDF:67.4/52

Out: -80.004+/-16.998 χ^2/NDF:80.1/58

All: -81.505+/-12.145 χ^2/NDF: 147.5/111

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

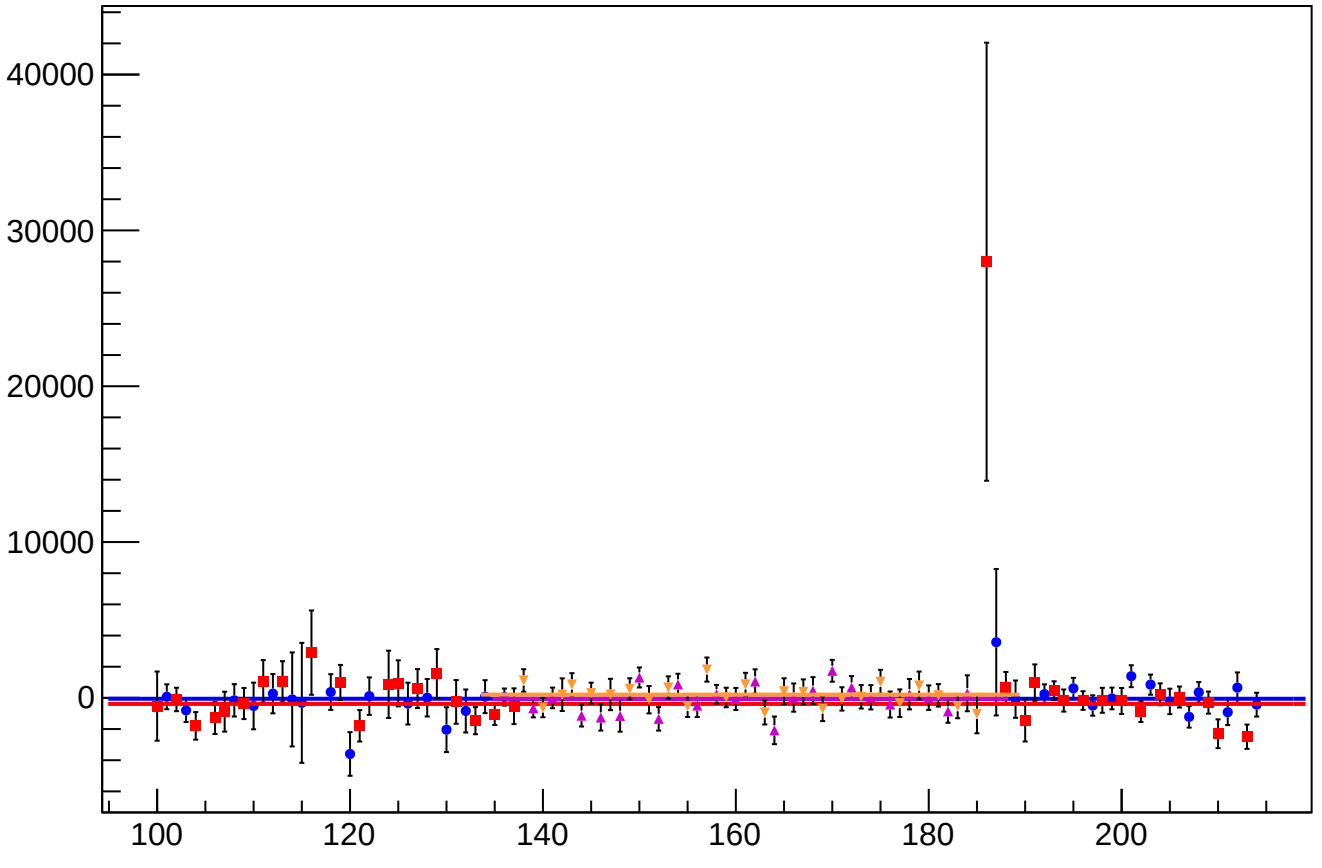
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.271+/-0.011 χ^2/NDF: 827565.0/63

In: 104.252+/-0.012 χ^2/NDF:1132449.0/52

Out: 104.254+/-0.012 χ^2/NDF:1518800.6/58

All: 104.253+/-0.009 χ^2/NDF: 2651249.6/11



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

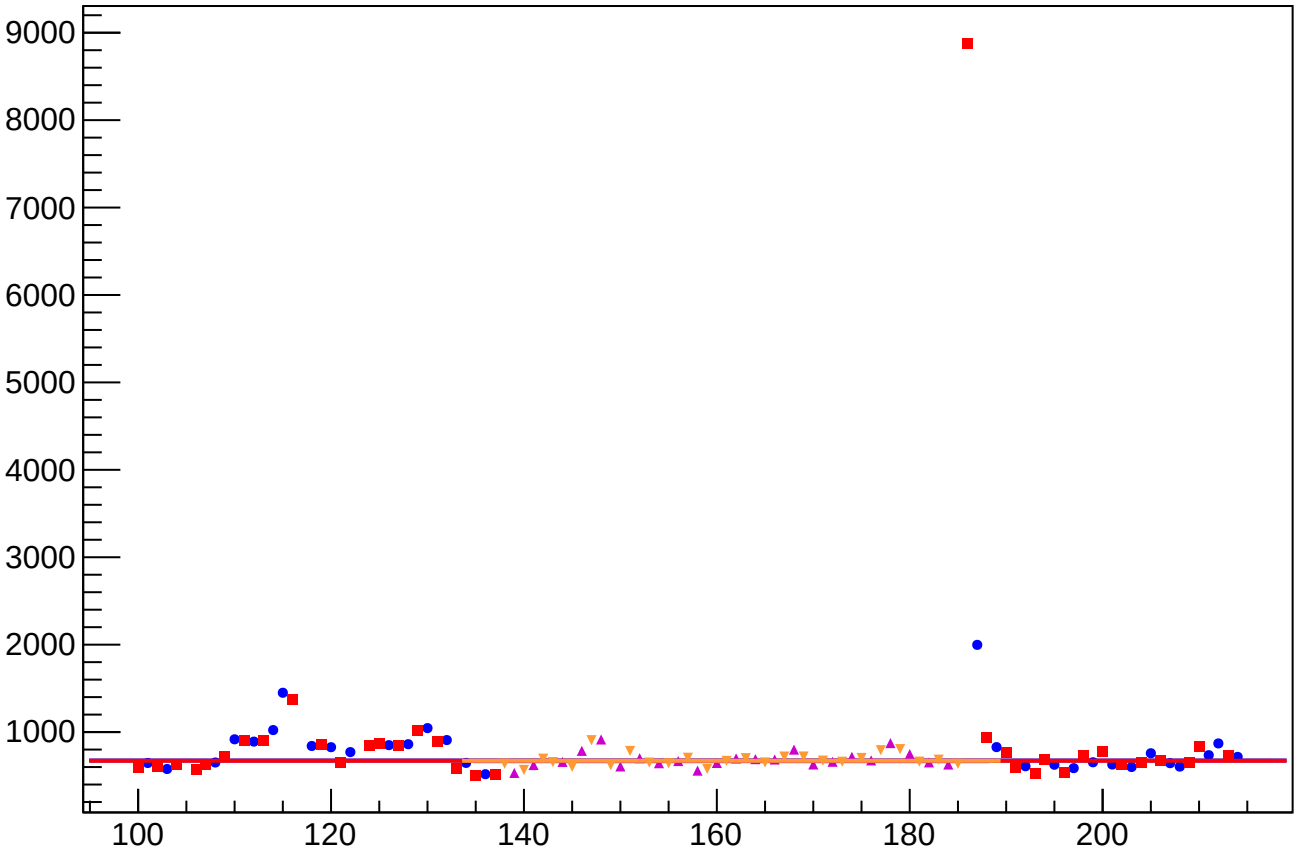
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -223.398+/-113.413 χ^2/NDF: 65.3/63

In: -53.051+/-112.697 χ^2/NDF:57.0/52

Out: -78.258+/-110.745 χ^2/NDF:65.6/58

All: -65.875+/-78.990 χ^2/NDF: 122.6/111



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

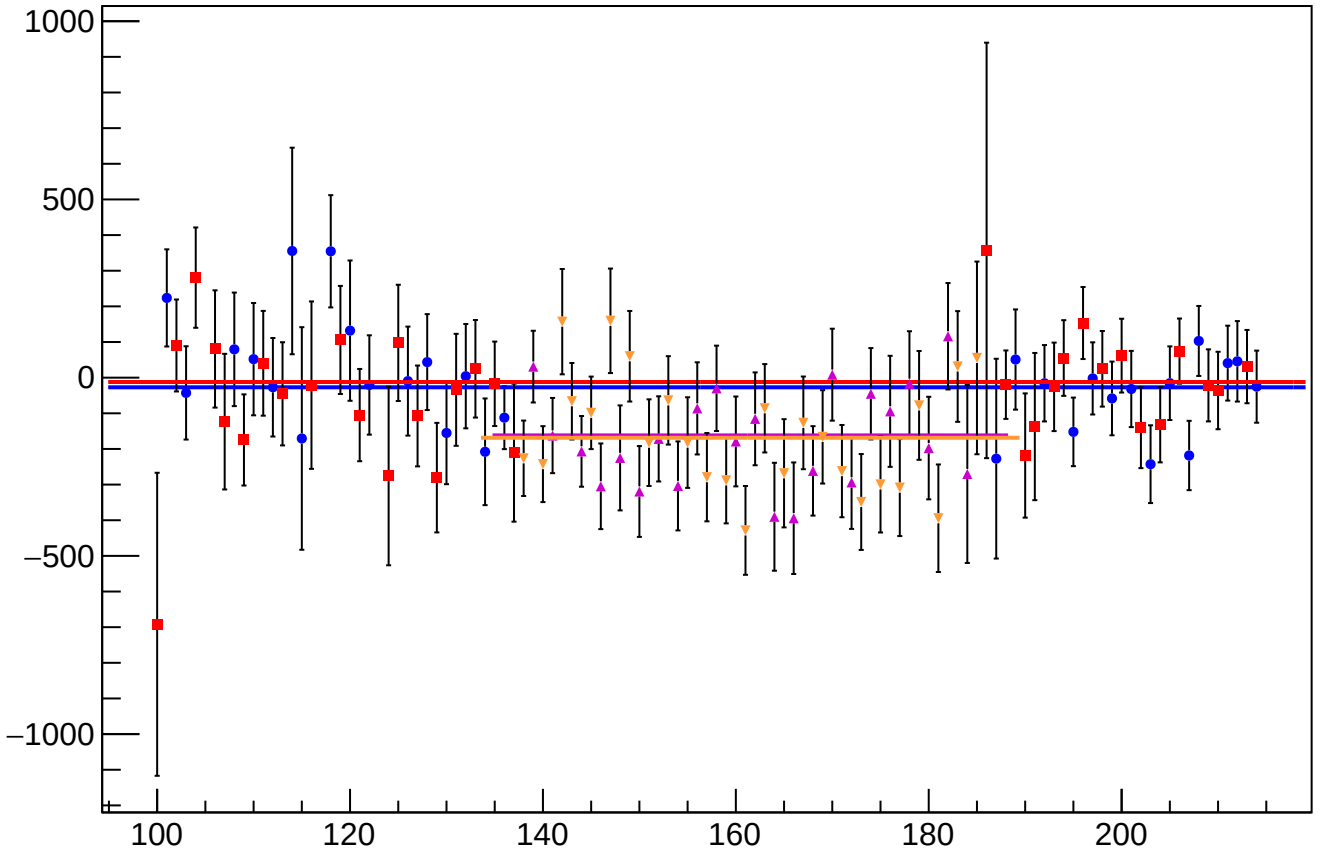
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 673.429+/-0.080 χ^2/NDF: 3178506.7/63

In: 670.900+/-0.080 χ^2/NDF:1759838.1/52

Out: 672.043+/-0.078 χ^2/NDF:2366610.9/58

All: 671.481+/-0.056 χ^2/NDF: 4126553.6/11



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

Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

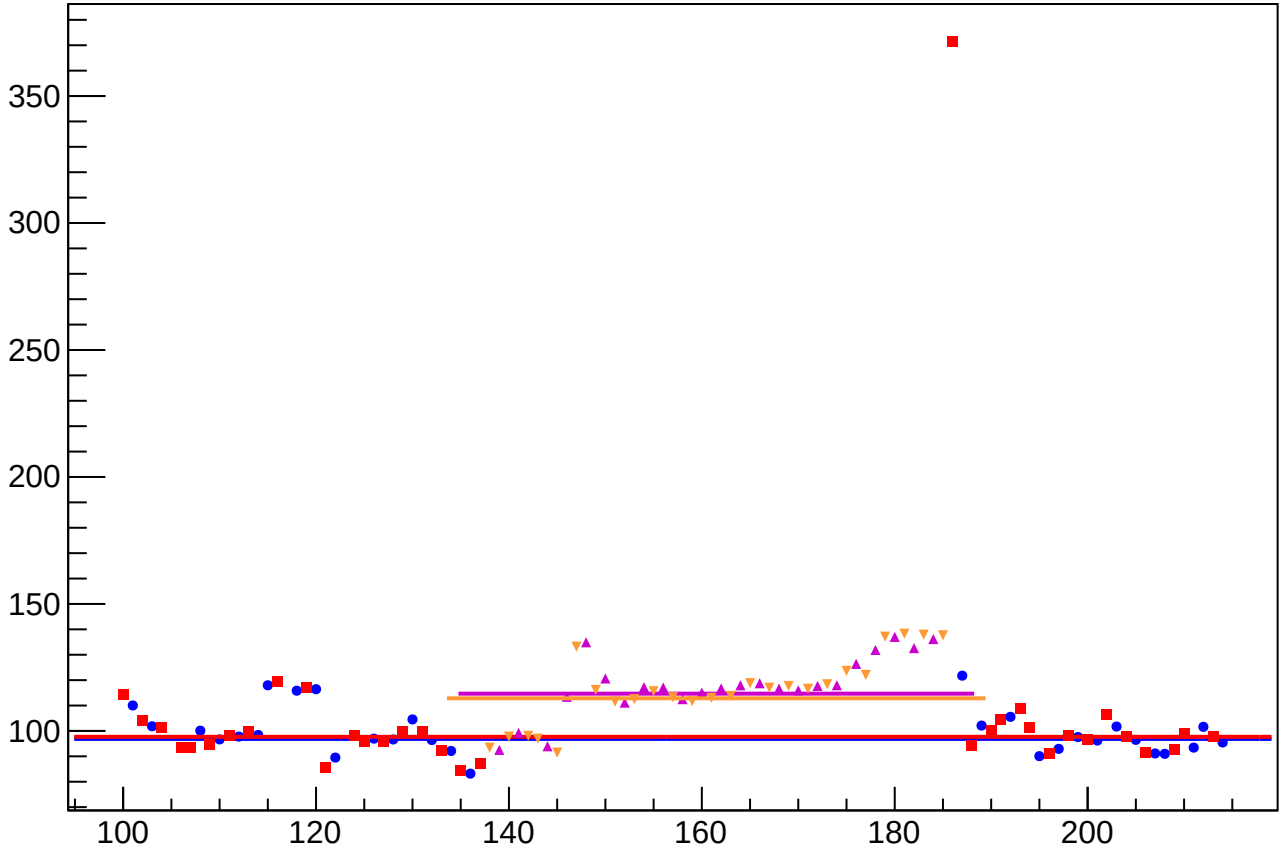
Right: -19.600+/-16.007 χ^2/NDF: 56.3/63

In: -83.071+/-17.359 χ^2/NDF:67.4/52

Out: -80.004+/-16.998 χ^2/NDF:80.1/58

All: -81.505+/-12.145 χ^2/NDF: 147.5/111

eigen_dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

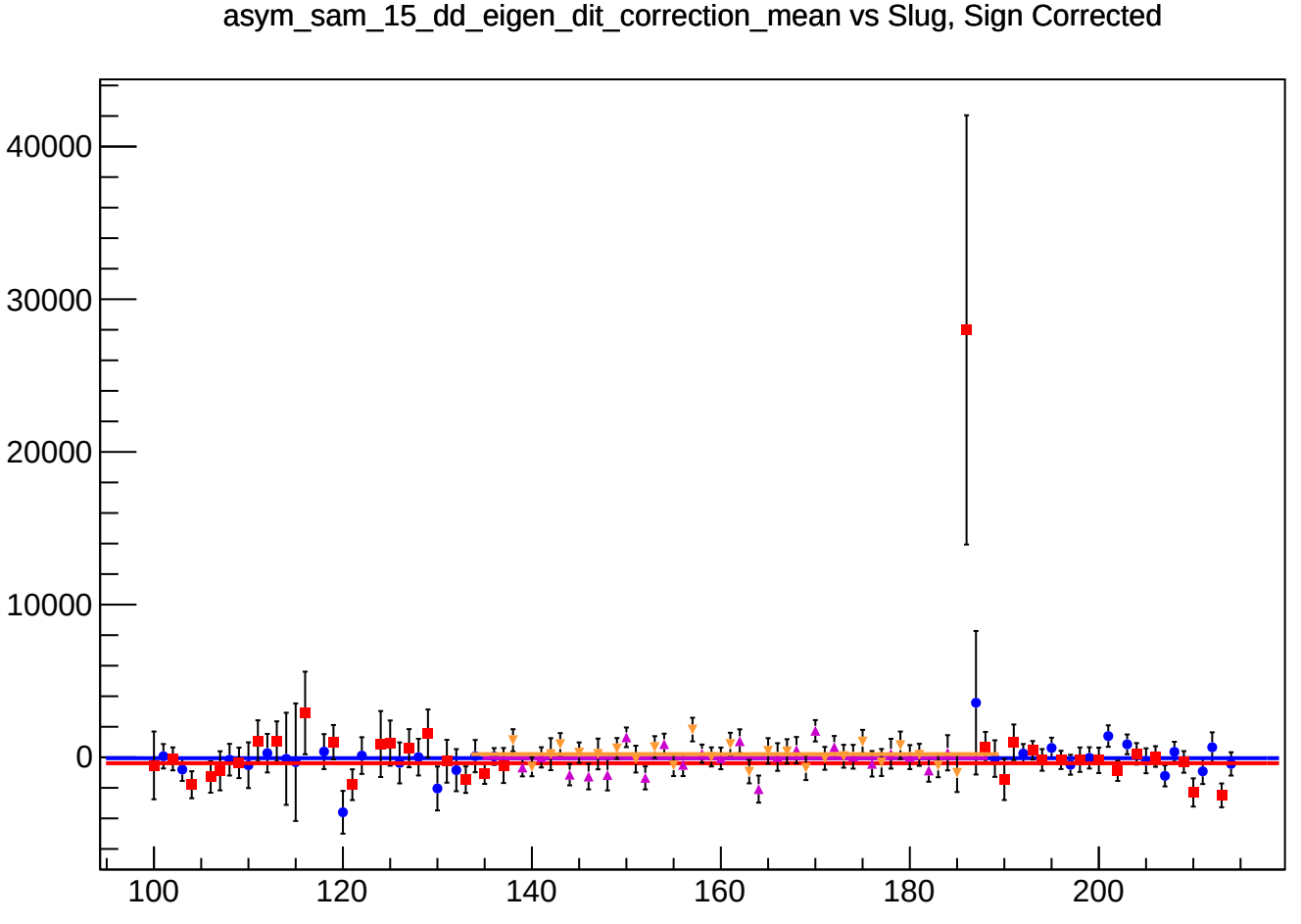
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 97.271+/-0.011 χ^2/NDF: 827570.4/63

In: 104.252+/-0.012 χ^2/NDF:1132465.4/52

Out: 104.254+/-0.012 χ^2/NDF:1518804.9/58

All: 104.253+/-0.009 χ^2/NDF: 2651270.3/111



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

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

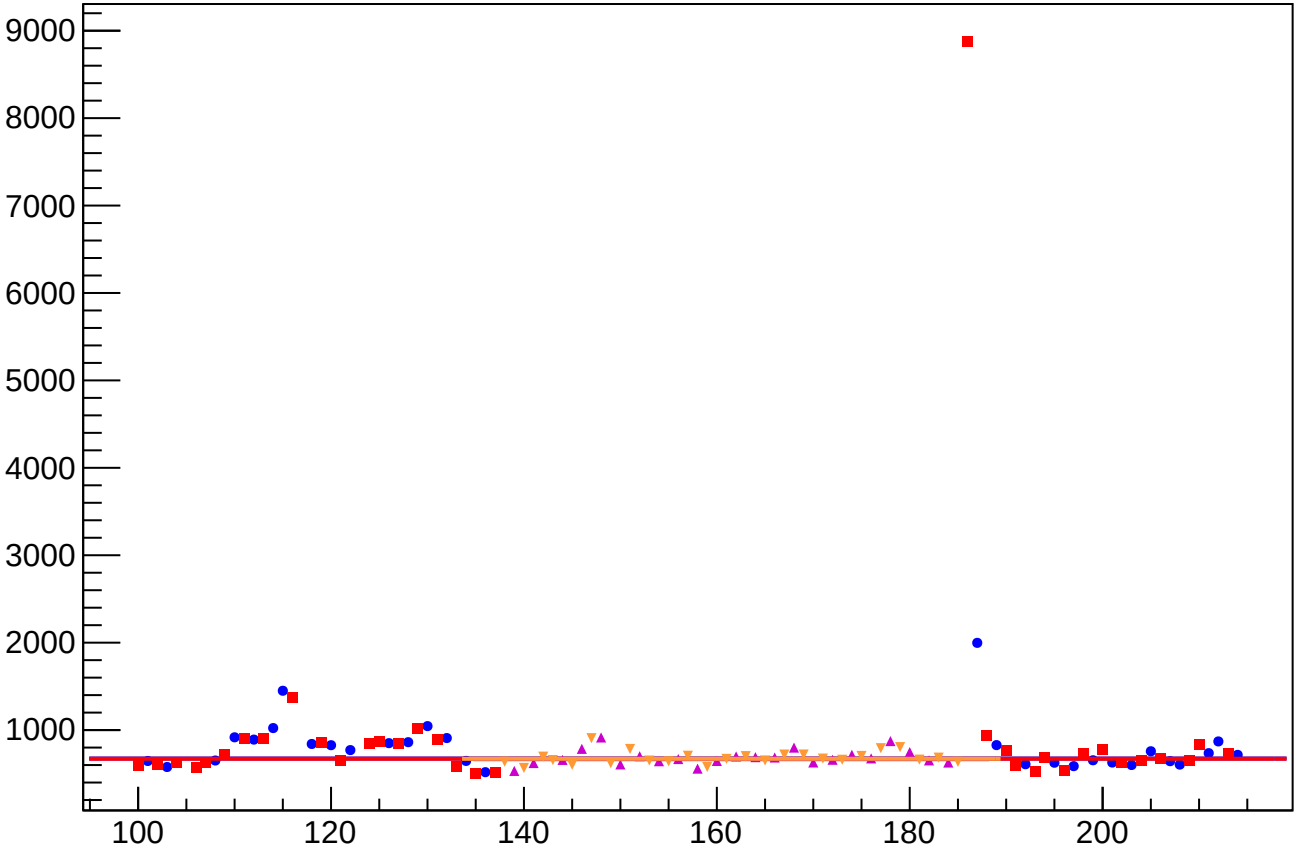
Right: -223.398+/-113.413 χ^2/NDF: 65.3/63

In: -53.051+/-112.697 χ^2/NDF:57.0/52

Out: -78.259+/-110.745 χ^2/NDF:65.6/58

All: -65.875+/-78.990 χ^2/NDF: 122.6/111

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

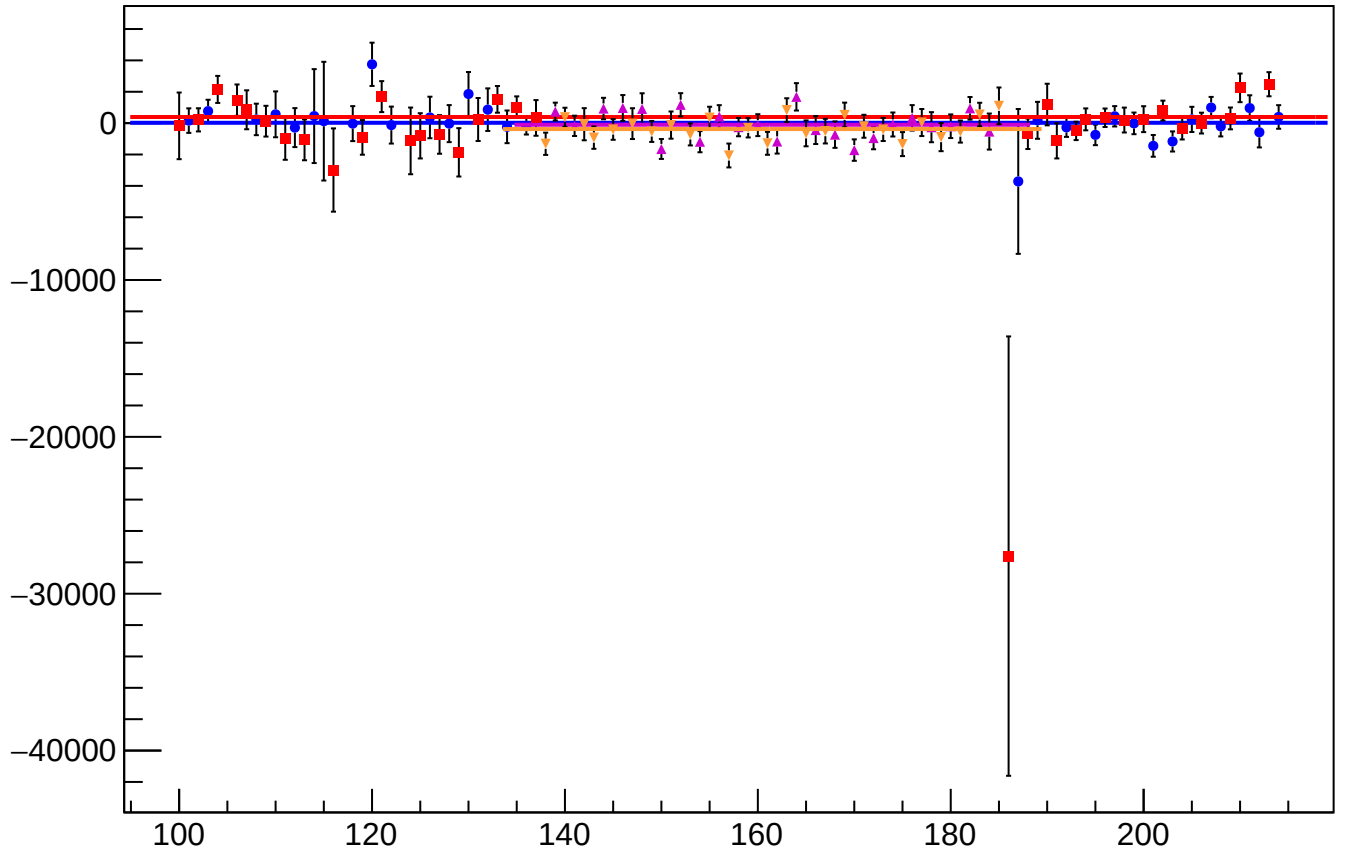
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 673.428+/-0.080 χ^2/NDF: 3178511.1/63

In: 670.900+/-0.080 χ^2/NDF:1759839.5/52

Out: 672.043+/-0.078 χ^2/NDF:2366615.7/58

All: 671.481+/-0.056 χ^2/NDF: 4126559.8/11



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

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

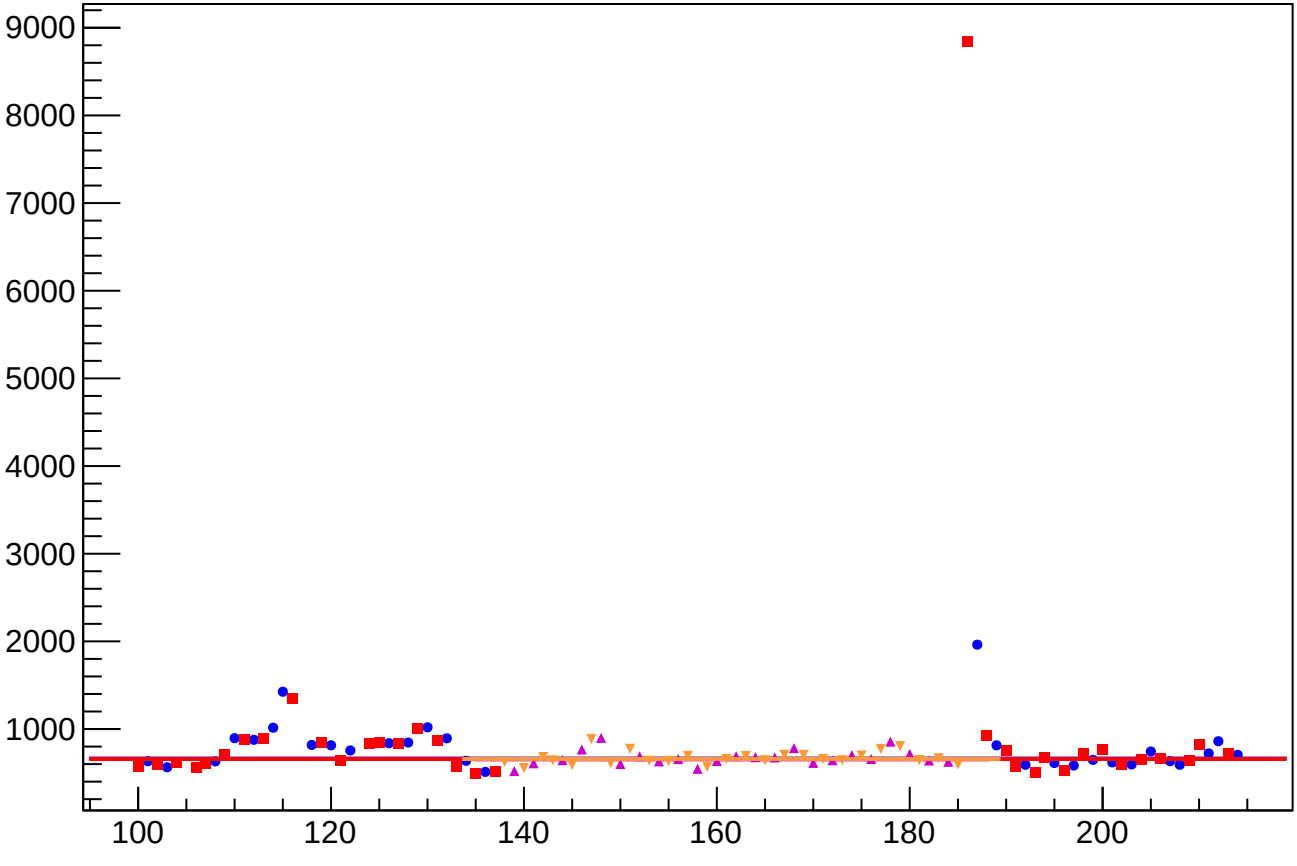
Right: 208.812+/-111.317 χ^2/NDF: 71.3/63

In: -42.179+/-110.591 χ^2/NDF:61.7/52

Out: -6.986+/-108.590 χ^2/NDF:76.6/58

All: -24.261+/-77.482 χ^2/NDF: 138.4/111

asym_sam_15_dd_rms vs Slug, Sign Corrected



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

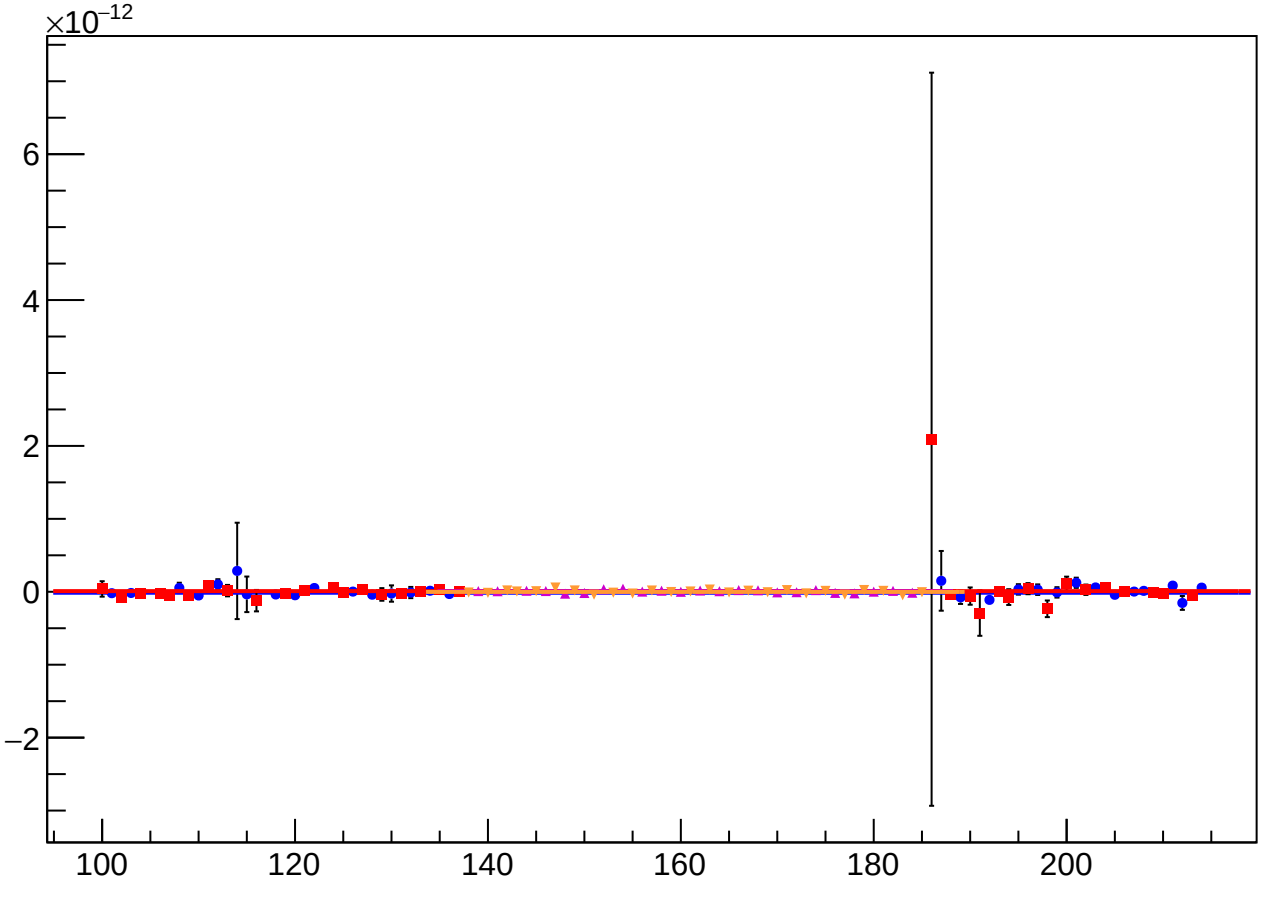
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 660.696+/-0.079 χ^2/NDF: 3217388.8/63

In: 658.305+/-0.078 χ^2/NDF:1750094.5/52

Out: 658.614+/-0.077 χ^2/NDF:2421567.3/58

All: 658.462+/-0.055 χ^2/NDF: 4171669.8/11



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

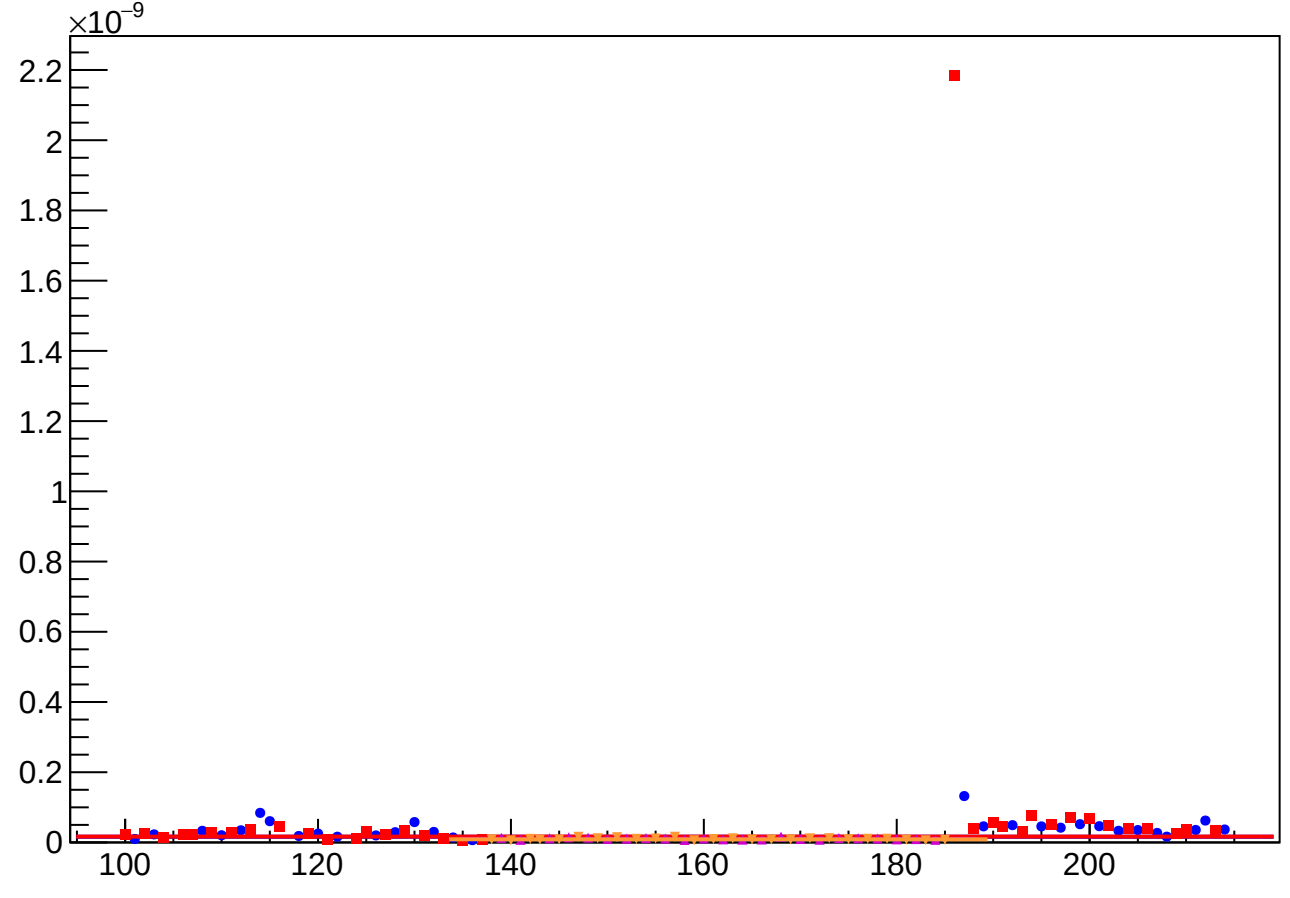
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 61.8/63

In: 0.000+/-0.000 χ^2/NDF:51.3/52

Out: 0.000+/-0.000 χ^2/NDF:61.9/58

All: 0.000+/-0.000 χ^2/NDF: 113.5/111



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

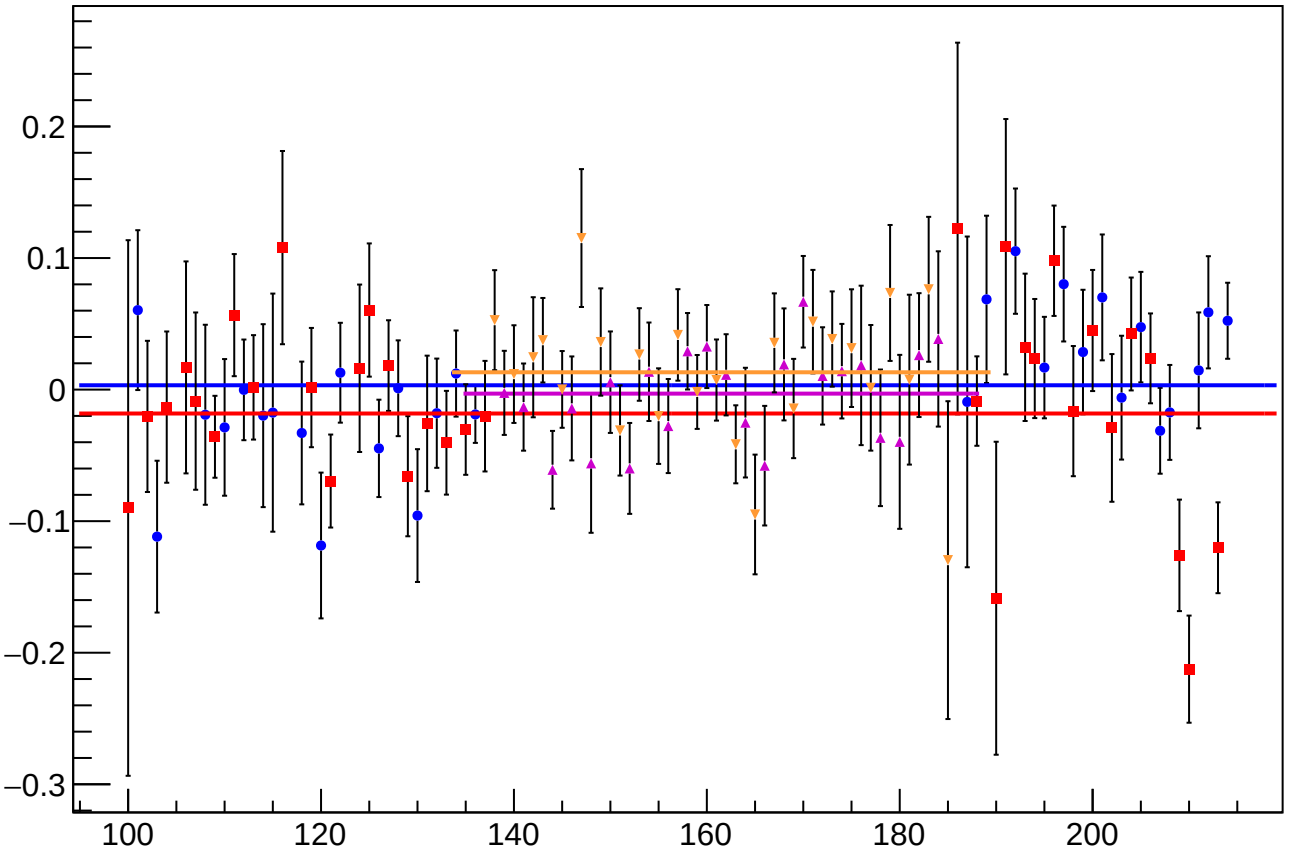
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 14521069.1/63

In: 0.000+/-0.000 χ^2/NDF:8584655.2/52

Out: 0.000+/-0.000 χ^2/NDF:10675234.1/58

All: 0.000+/-0.000 χ^2/NDF: 19407771.7/111



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

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

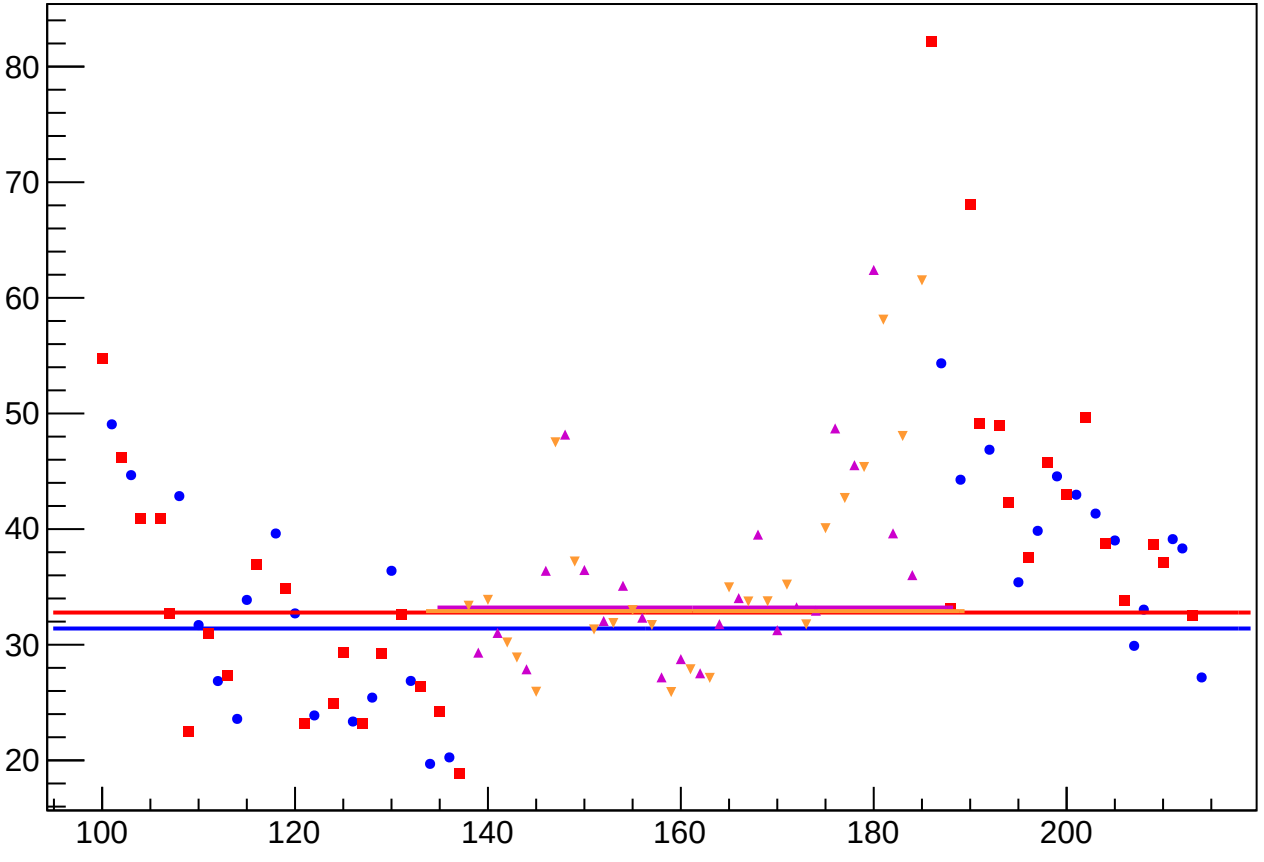
Right: -0.007+/-0.006 χ^2/NDF: 111.0/63

In: 0.000+/-0.006 χ^2/NDF:55.7/52

Out: -0.002+/-0.006 χ^2/NDF:104.5/58

All: -0.001+/-0.004 χ^2/NDF: 160.2/111

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

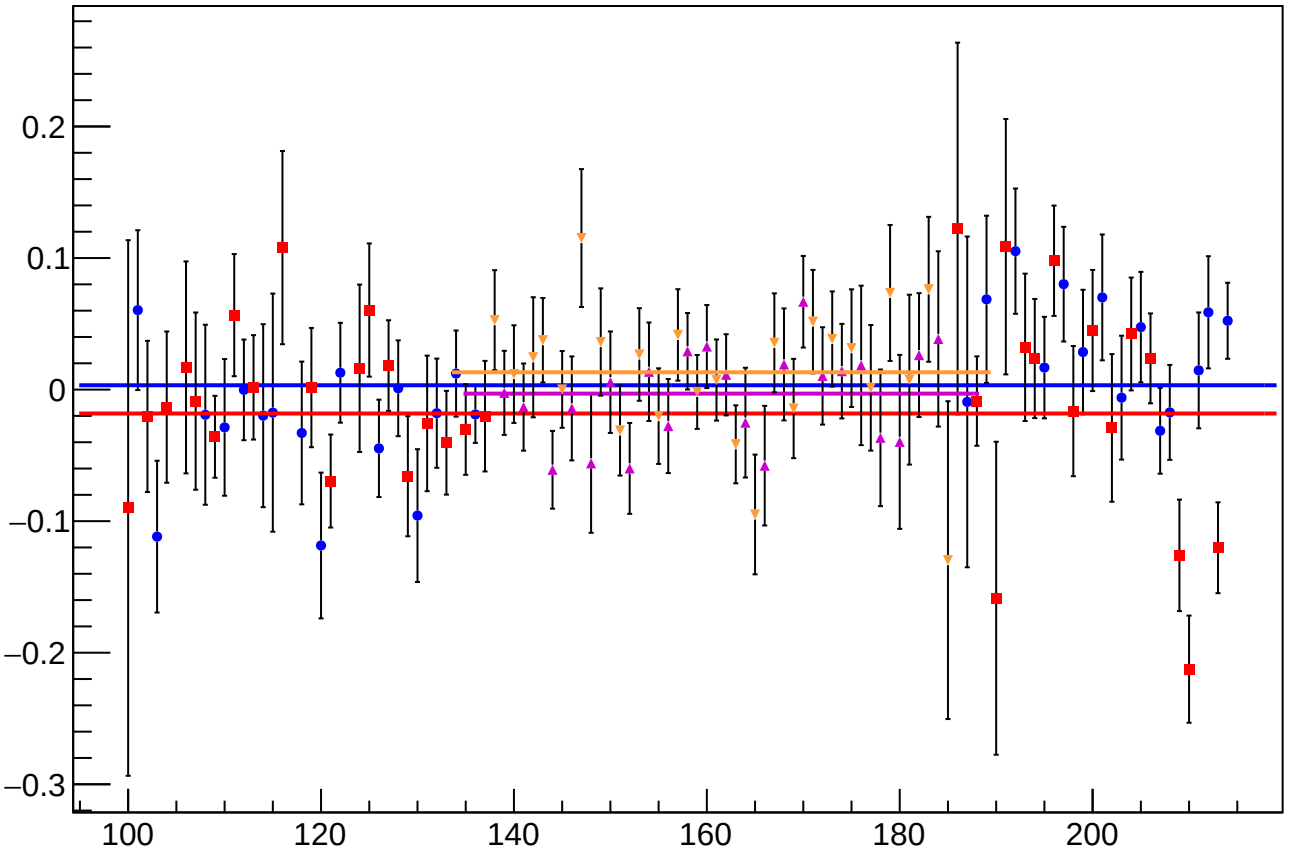
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 32.076+/-0.004 χ^2/NDF: 5056233.7/63

In: 32.279+/-0.004 χ^2/NDF:3813479.4/52

Out: 32.847+/-0.004 χ^2/NDF:3914632.3/58

All: 32.565+/-0.003 χ^2/NDF: 7738706.9/111



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

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

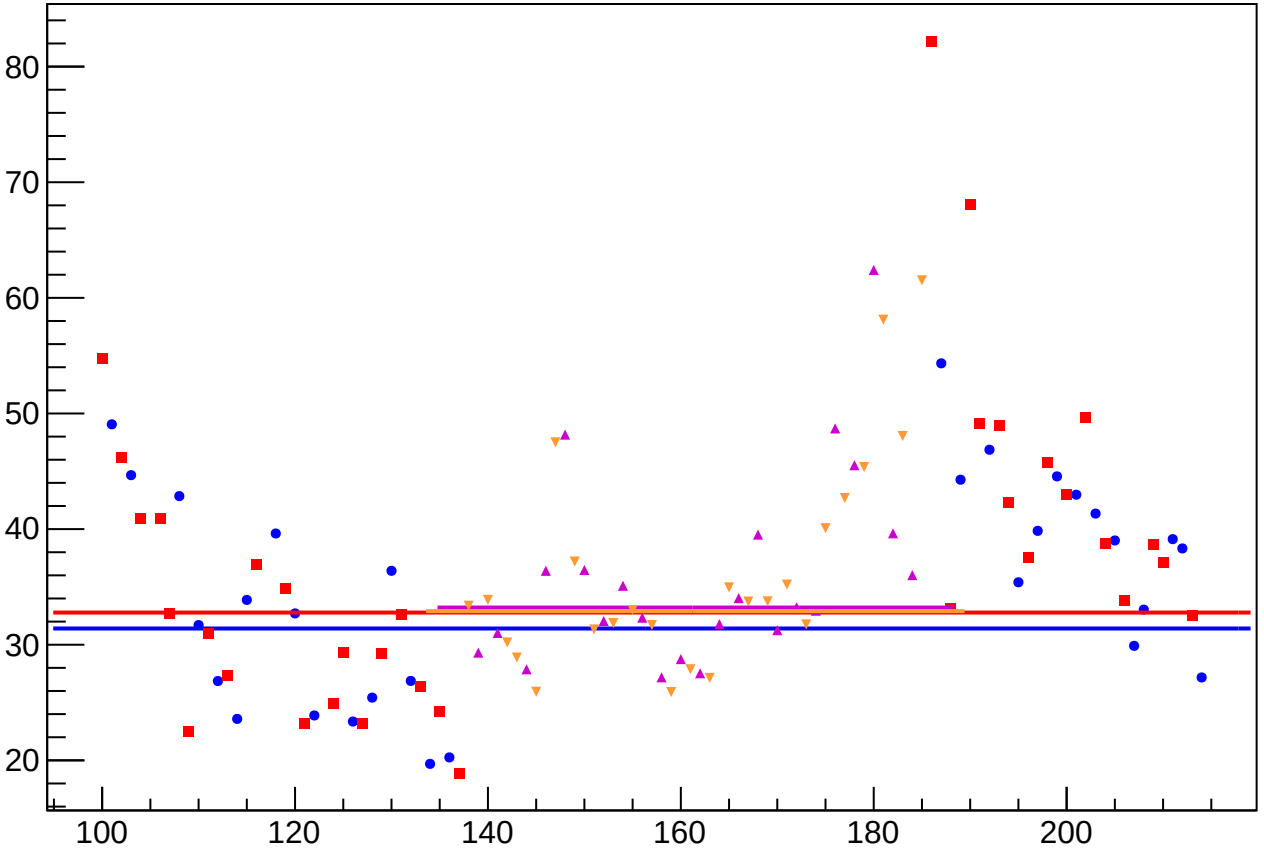
Right: -0.007+/-0.006 χ^2/NDF: 111.0/63

In: 0.000+/-0.006 χ^2/NDF:55.7/52

Out: -0.002+/-0.006 χ^2/NDF:104.5/58

All: -0.001+/-0.004 χ^2/NDF: 160.2/111

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

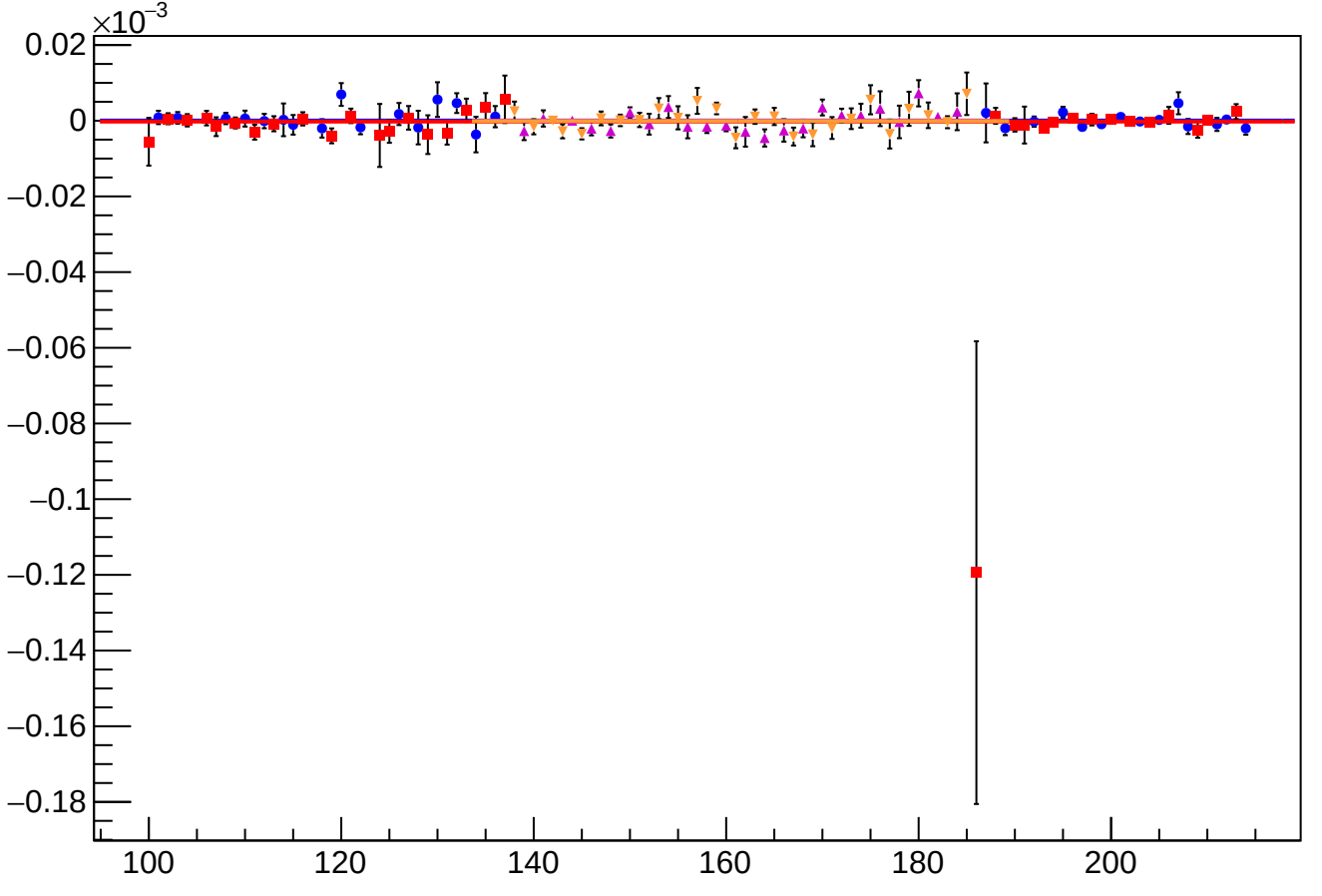
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 32.076+/-0.004 χ^2/NDF: 5056233.7/63

In: 32.279+/-0.004 χ^2/NDF:3813479.4/52

Out: 32.847+/-0.004 χ^2/NDF:3914632.3/58

All: 32.565+/-0.003 χ^2/NDF: 7738706.9/111



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

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

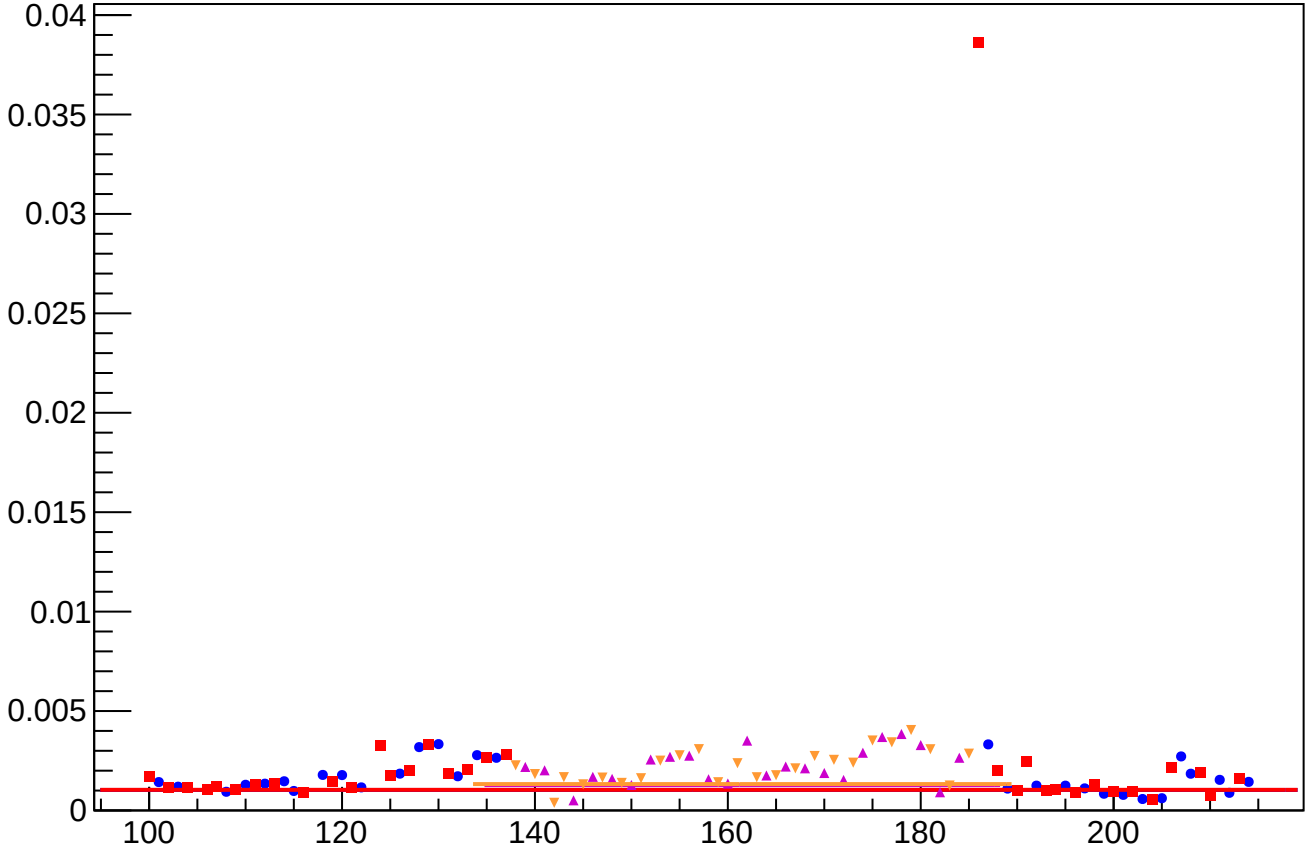
Right: -0.000+/-0.000 χ^2/NDF: 51.7/63

In: 0.000+/-0.000 χ^2/NDF:53.4/52

Out: -0.000+/-0.000 χ^2/NDF:56.0/58

All: -0.000+/-0.000 χ^2/NDF: 109.7/111

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

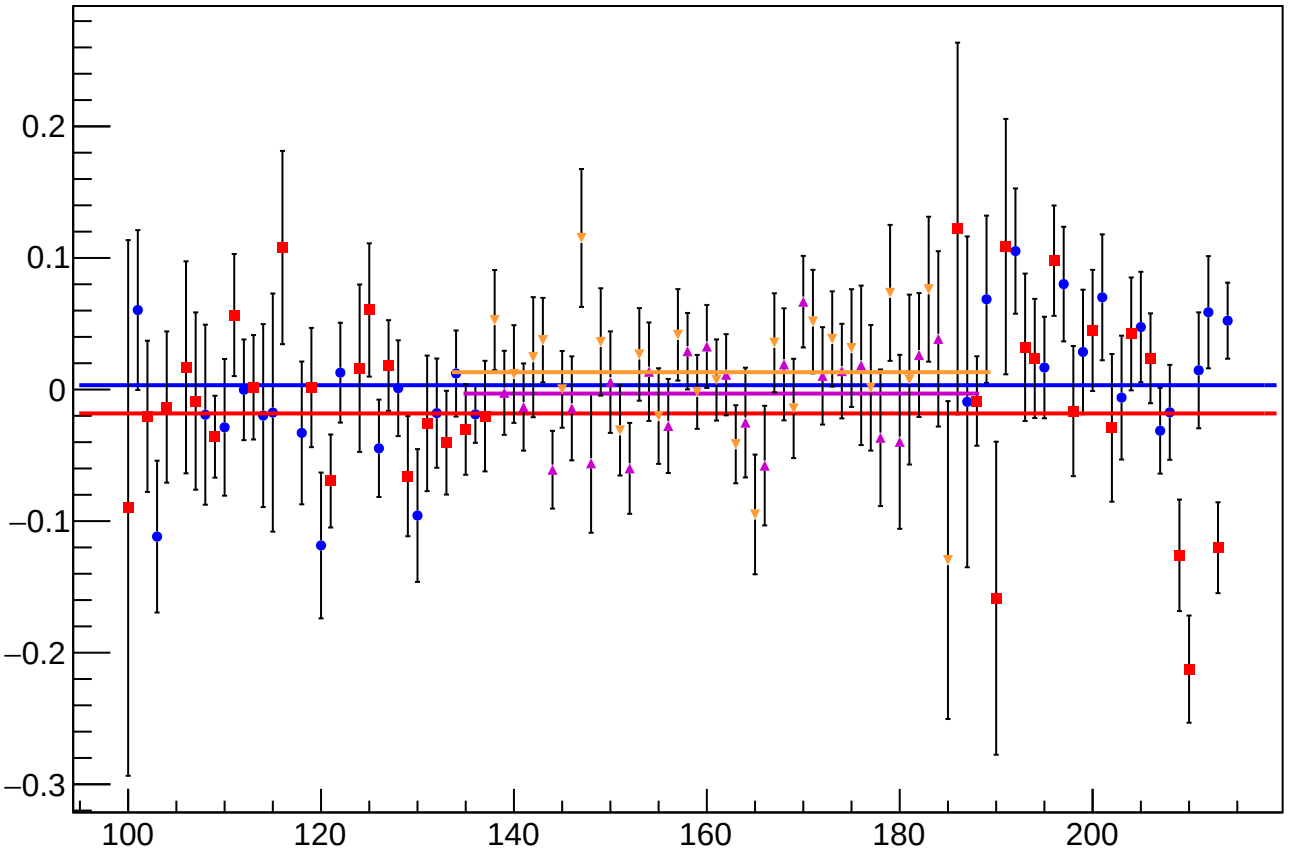
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 12285035.7/63

In: 0.001+/-0.000 χ^2/NDF:16570060.9/52

Out: 0.001+/-0.000 χ^2/NDF:18158299.1/58

All: 0.001+/-0.000 χ^2/NDF: 34733516.5/111



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

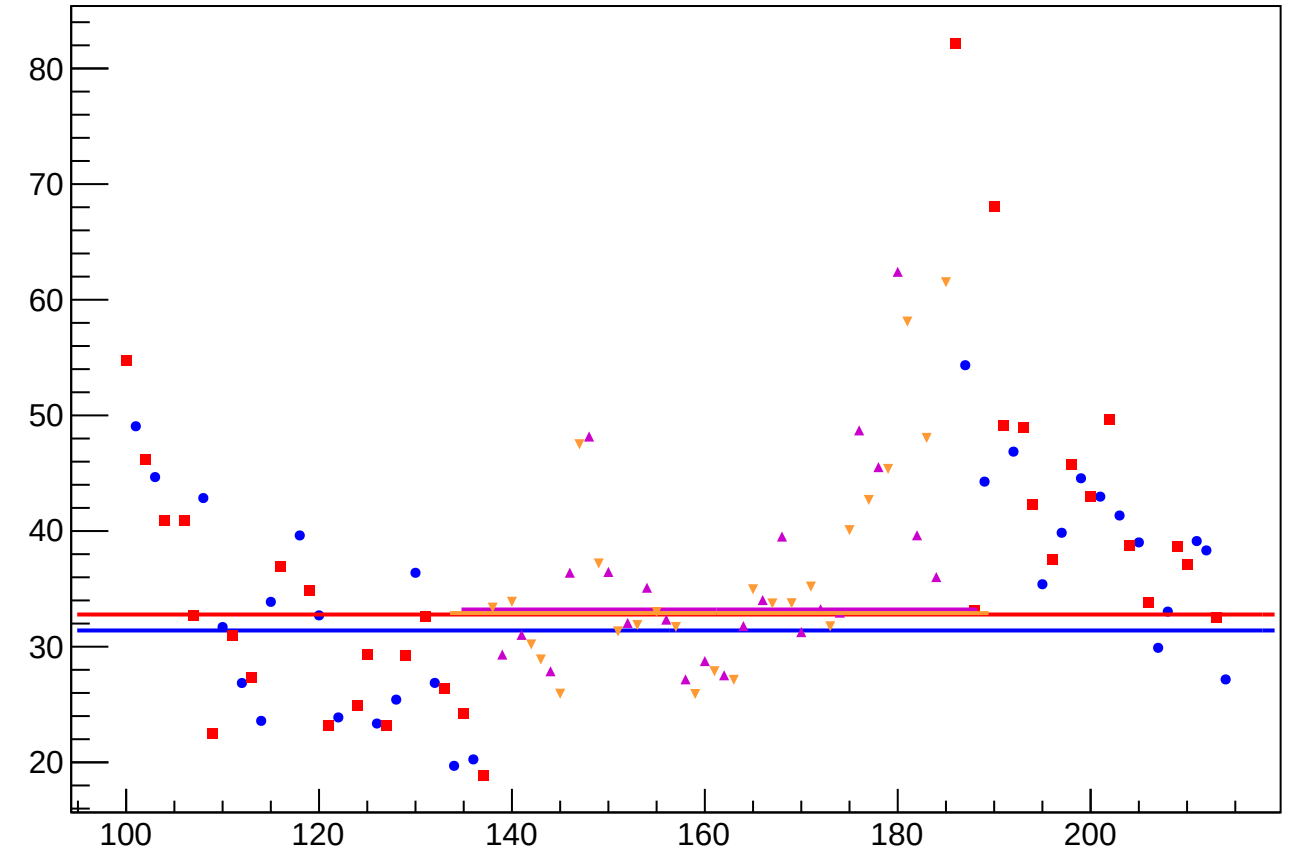
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.007+/-0.006 χ^2/NDF: 111.0/63

In: 0.000+/-0.006 χ^2/NDF:55.7/52

Out: -0.002+/-0.006 χ^2/NDF:104.5/58

All: -0.001+/-0.004 χ^2/NDF: 160.2/111



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

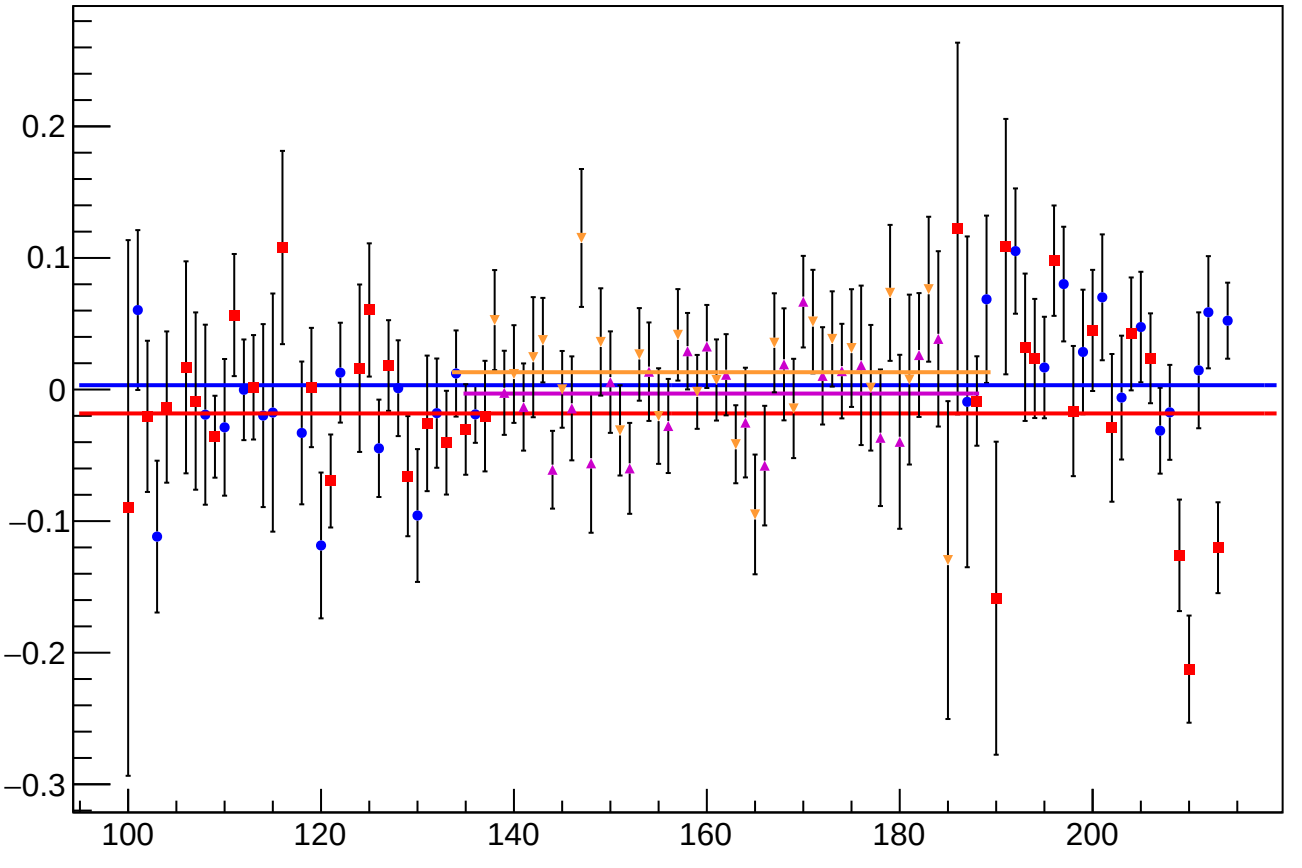
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 32.075+/-0.004 χ^2/NDF: 5056799.7/63

In: 32.279+/-0.004 χ^2/NDF:3813833.7/52

Out: 32.847+/-0.004 χ^2/NDF:3915049.3/58

All: 32.564+/-0.003 χ^2/NDF: 7739474.9/111



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

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

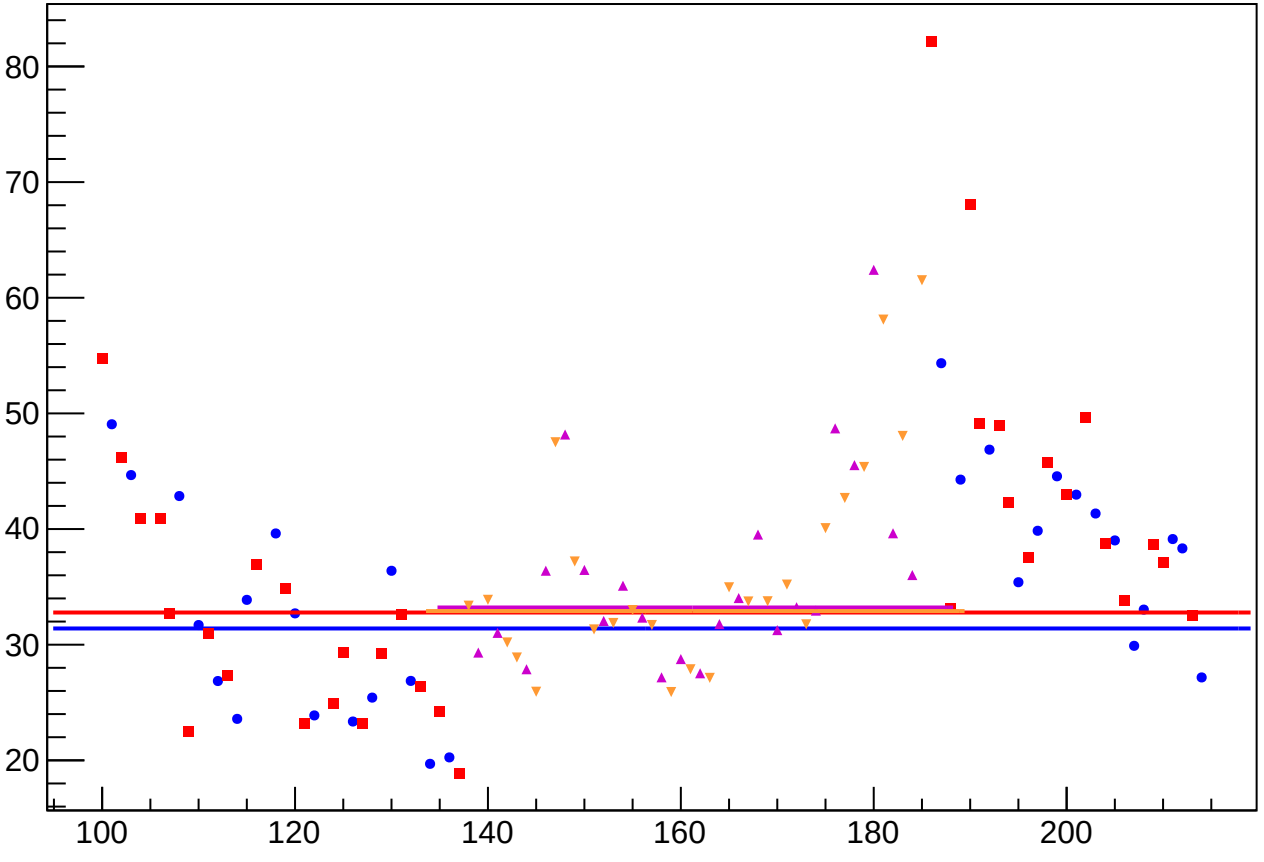
Right: -0.007+/-0.006 χ^2/NDF: 111.0/63

In: 0.000+/-0.006 χ^2/NDF:55.7/52

Out: -0.002+/-0.006 χ^2/NDF:104.5/58

All: -0.001+/-0.004 χ^2/NDF: 160.2/111

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

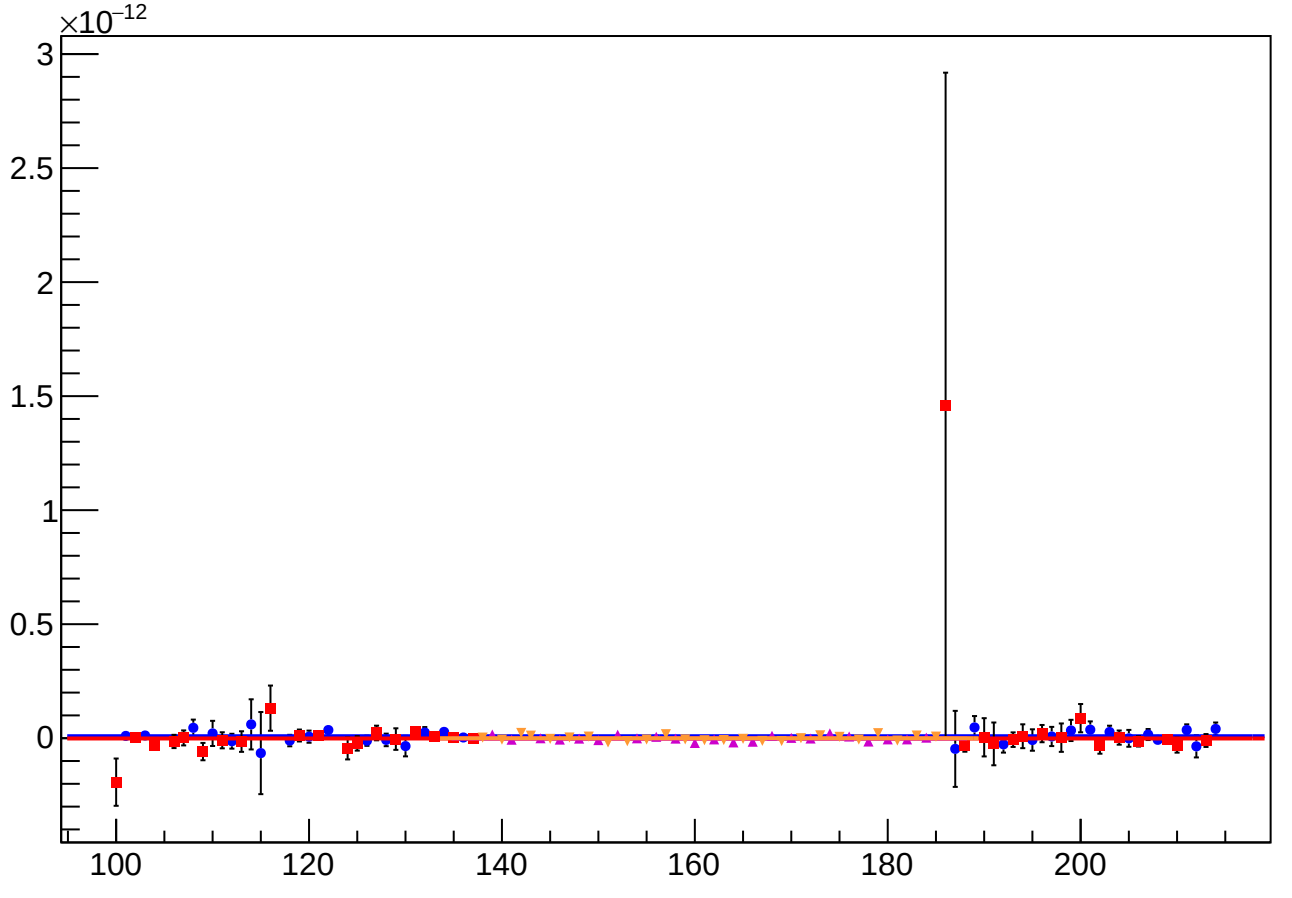
Right: 32.075+/-0.004 χ^2/NDF: 5056799.7/63

In: 32.279+/-0.004 χ^2/NDF:3813833.7/52

Out: 32.847+/-0.004 χ^2/NDF:3915049.3/58

All: 32.564+/-0.003 χ^2/NDF: 7739474.9/111

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

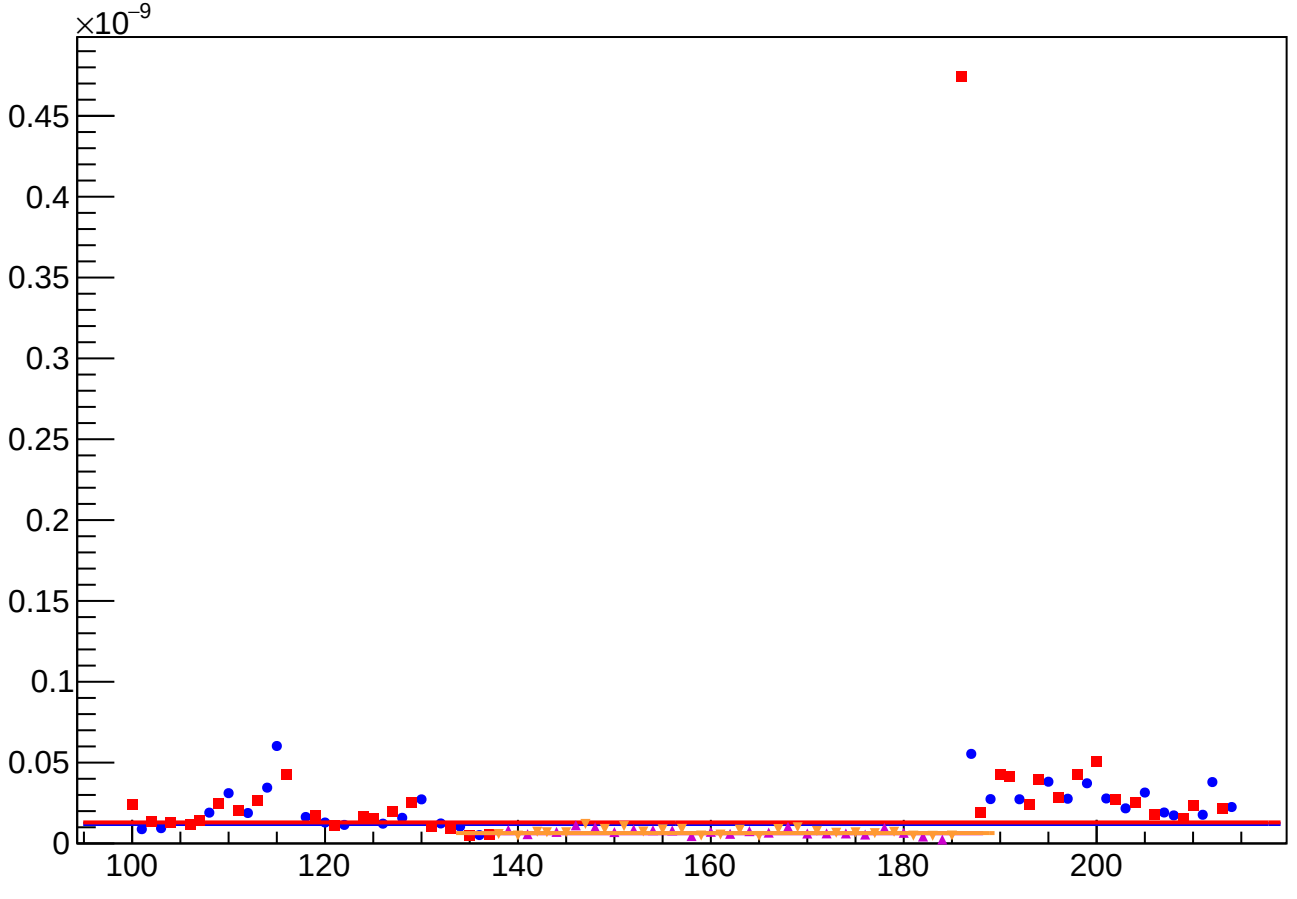
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 41.1/63

In: 0.000+/-0.000 χ^2/NDF:45.9/52

Out: -0.000+/-0.000 χ^2/NDF:53.7/58

All: 0.000+/-0.000 χ^2/NDF: 99.8/111



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

Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

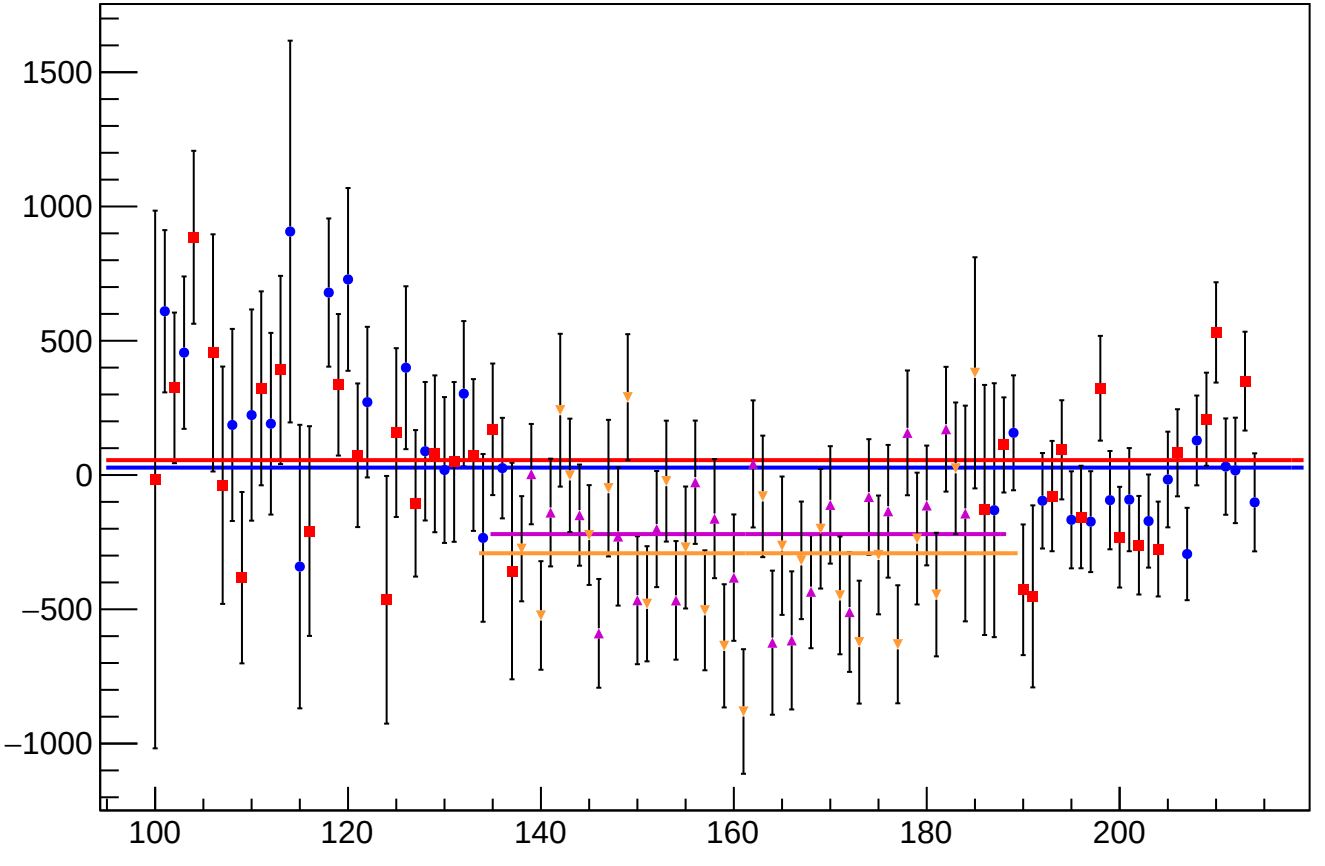
Right: 0.000+/-0.000 χ^2/NDF: 15611297.4/63

In: 0.000+/-0.000 χ^2/NDF:13325038.9/52

Out: 0.000+/-0.000 χ^2/NDF:13487643.8/58

All: 0.000+/-0.000 χ^2/NDF: 26815629.9/111

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

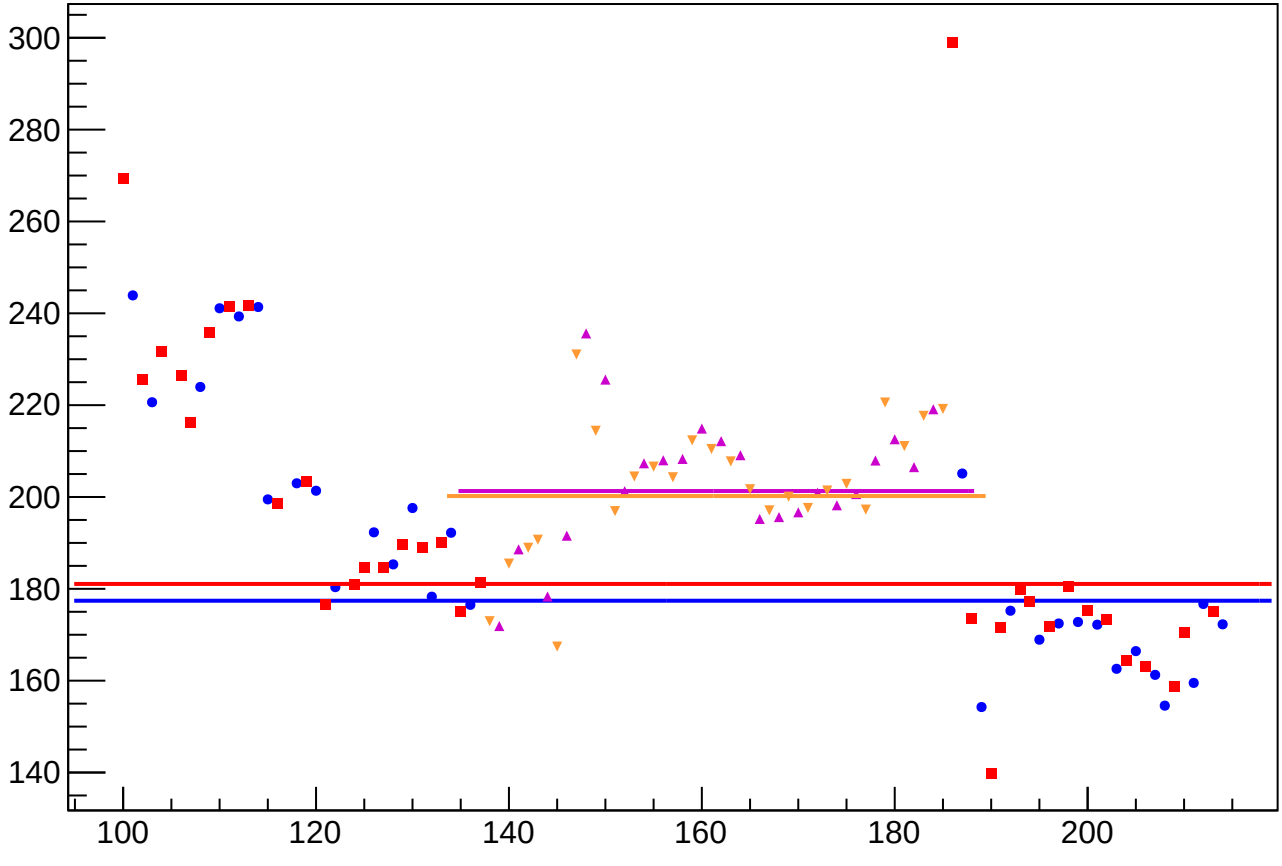
Right: 41.507+/-29.581 χ^2/NDF: 77.7/63

In: -81.194+/-31.258 χ^2/NDF:71.6/52

Out: -103.291+/-30.862 χ^2/NDF:112.8/58

All: -92.383+/-21.962 χ^2/NDF: 184.6/111

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

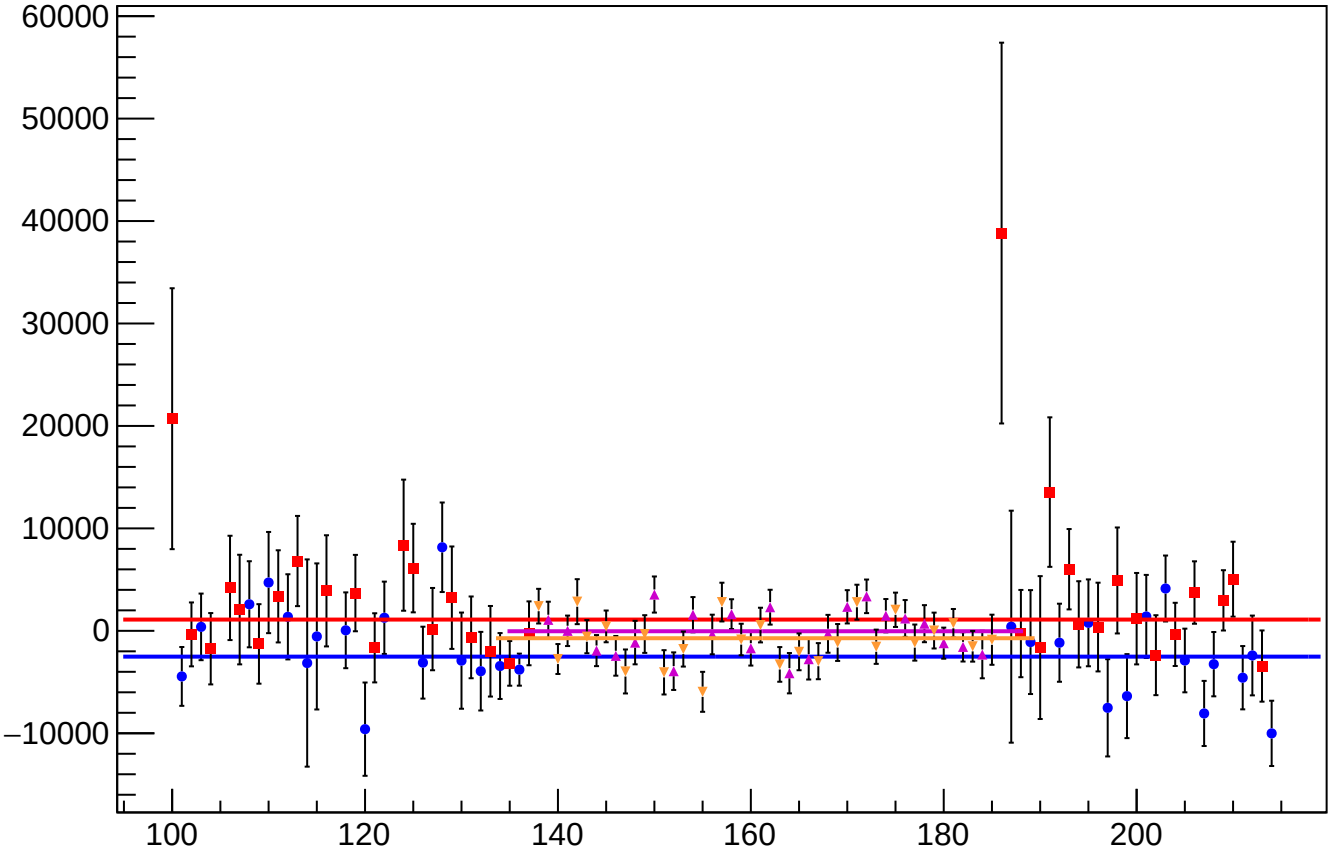
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 179.231+/-0.021 χ^2/NDF: 1147741.2/63

In: 187.910+/-0.022 χ^2/NDF:973129.5/52

Out: 189.830+/-0.022 χ^2/NDF:1031752.3/58

All: 188.882+/-0.016 χ^2/NDF: 2008704.3/111



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

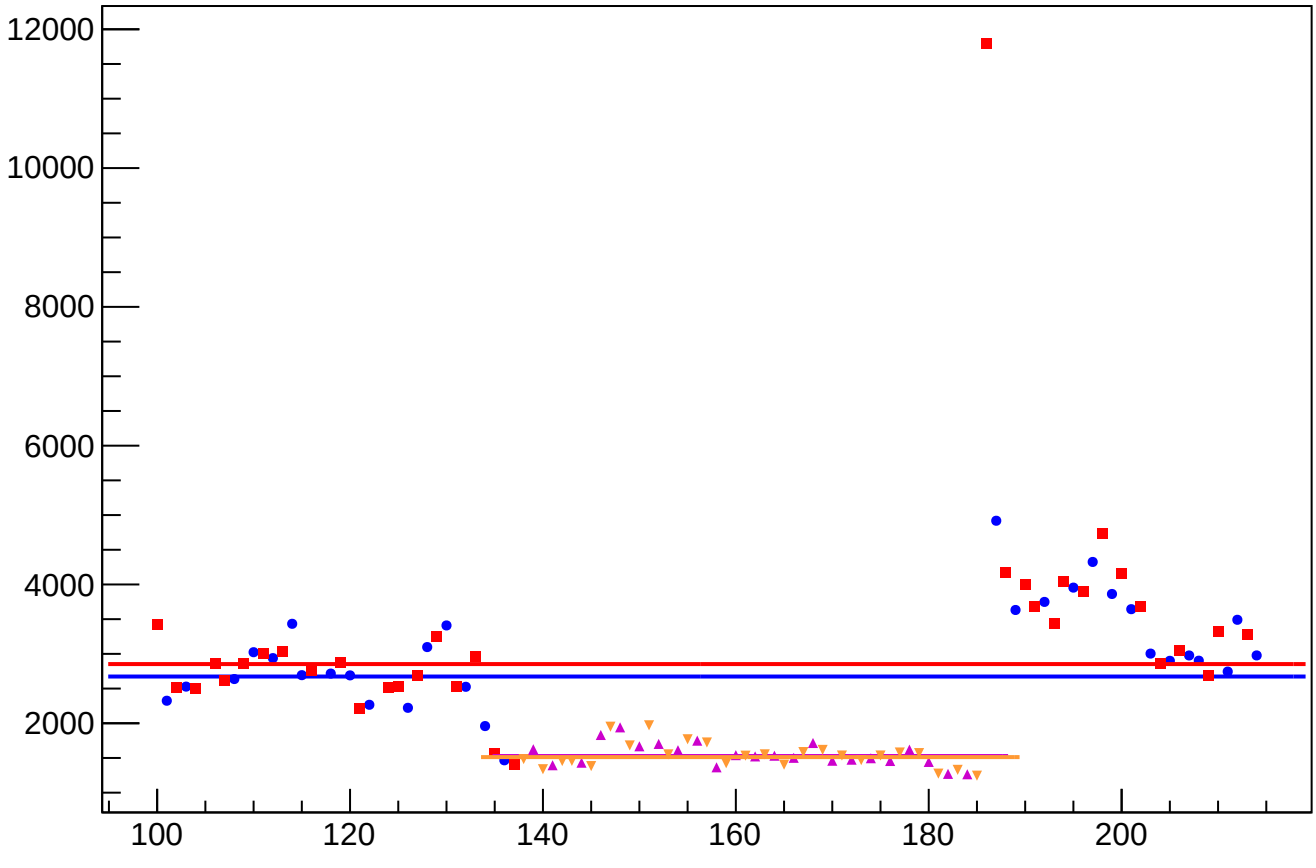
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -796.354+/-471.123 χ^2/NDF: 78.1/63

In: -618.320+/-314.529 χ^2/NDF:79.5/52

Out: -348.199+/-308.906 χ^2/NDF:73.4/58

All: -480.824+/-220.391 χ^2/NDF: 153.2/111



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

Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

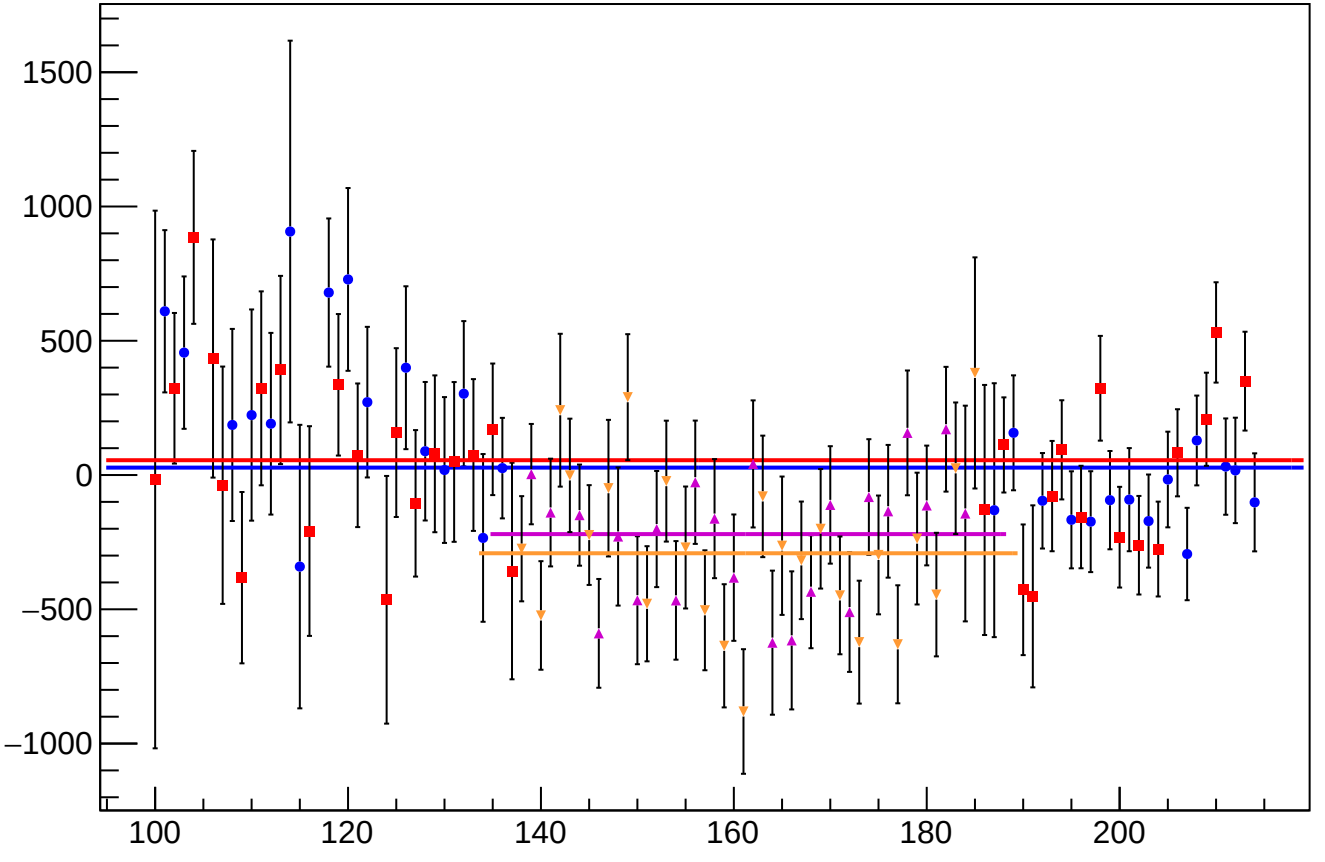
Right: 2758.936+/-0.333 χ^2/NDF: 5715034.8/63

In: 1795.493+/-0.222 χ^2/NDF:7791972.5/52

Out: 1786.721+/-0.218 χ^2/NDF:9547149.2/58

All: 1791.028+/-0.156 χ^2/NDF: 17339913.7/1

cor_asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

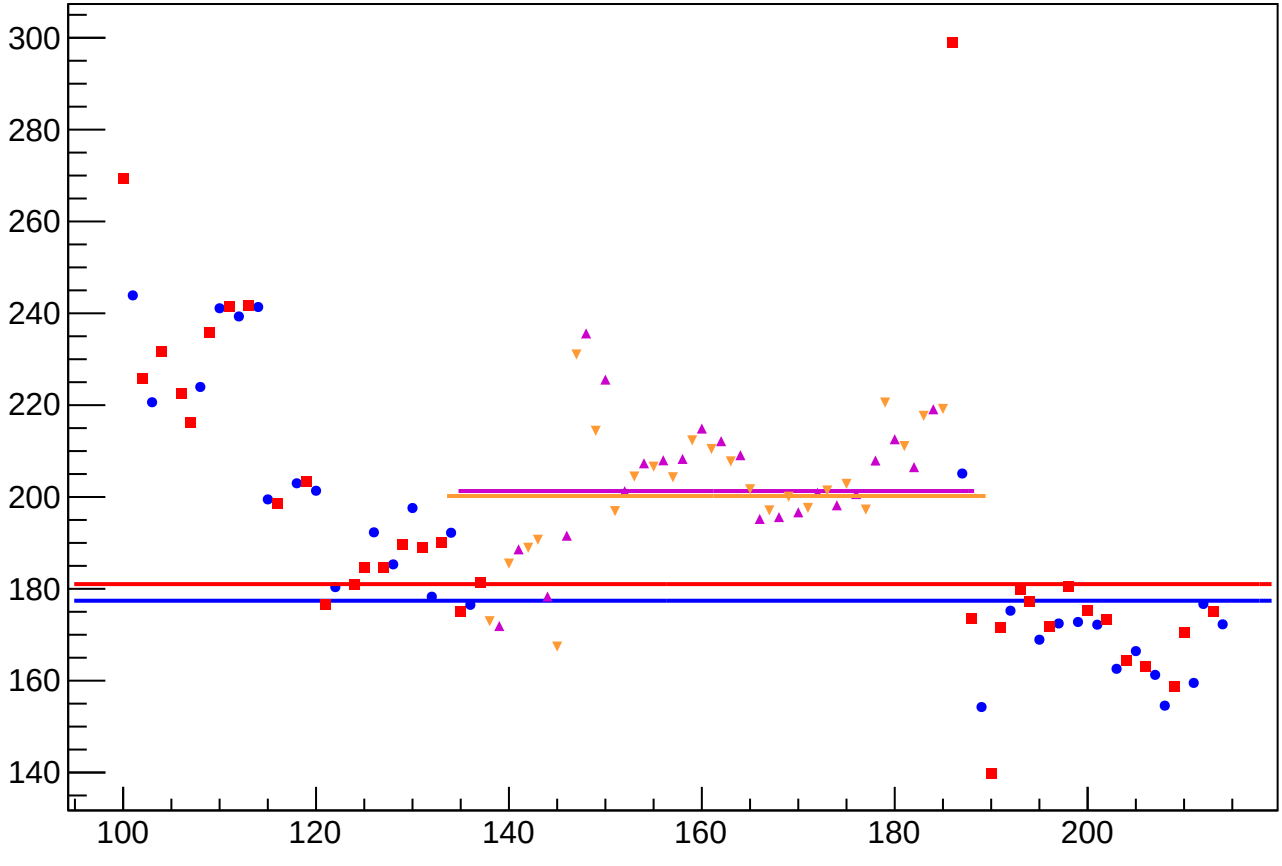
Right: 41.373+/-29.581 χ^2/NDF: 77.6/63

In: -81.202+/-31.258 χ^2/NDF:71.6/52

Out: -103.440+/-30.863 χ^2/NDF:112.6/58

All: -92.462+/-21.962 χ^2/NDF: 184.5/111

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

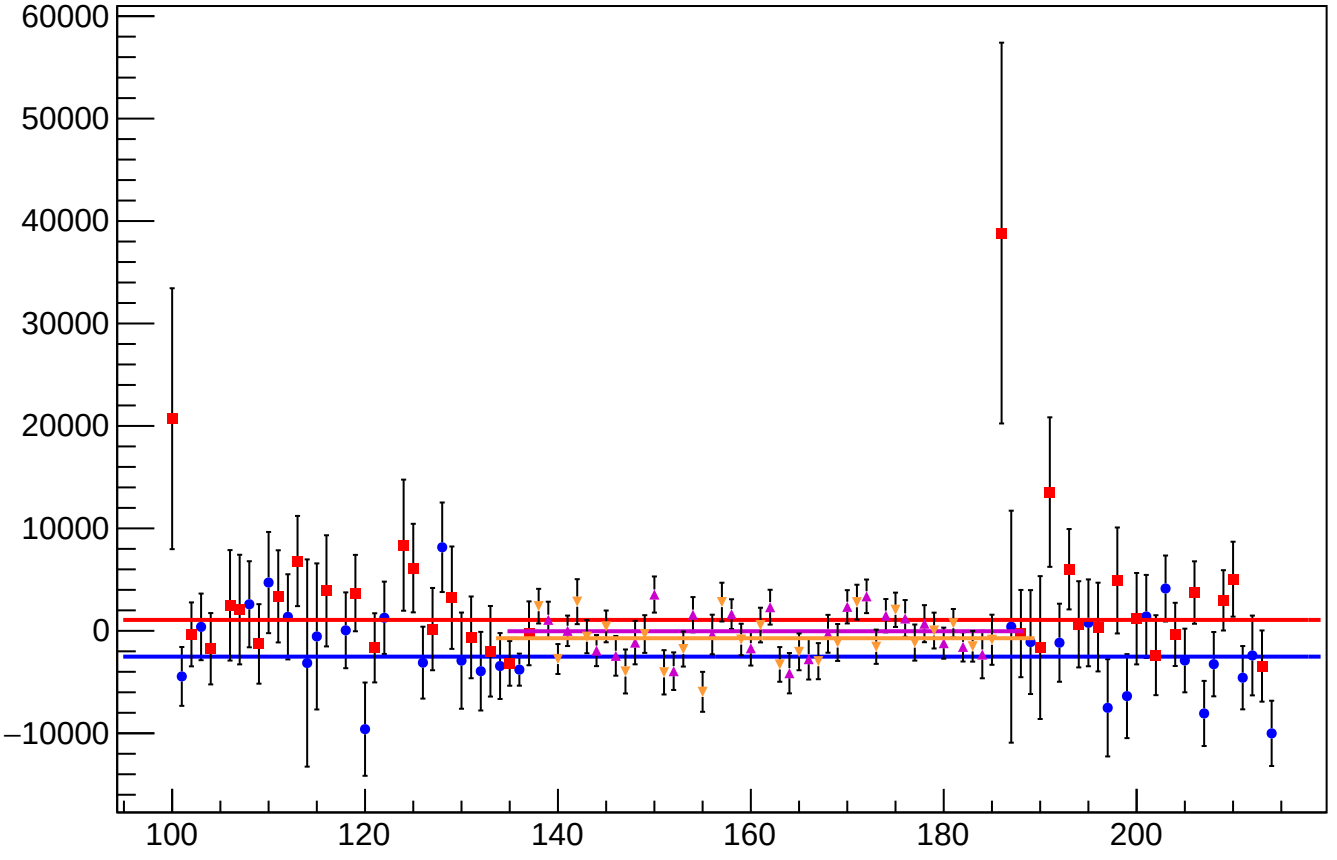
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 179.213+/-0.021 χ^2/NDF: 1144055.2/63

In: 187.910+/-0.022 χ^2/NDF:973130.0/52

Out: 189.810+/-0.022 χ^2/NDF:1028965.8/58

All: 188.872+/-0.016 χ^2/NDF: 2005839.2/11



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

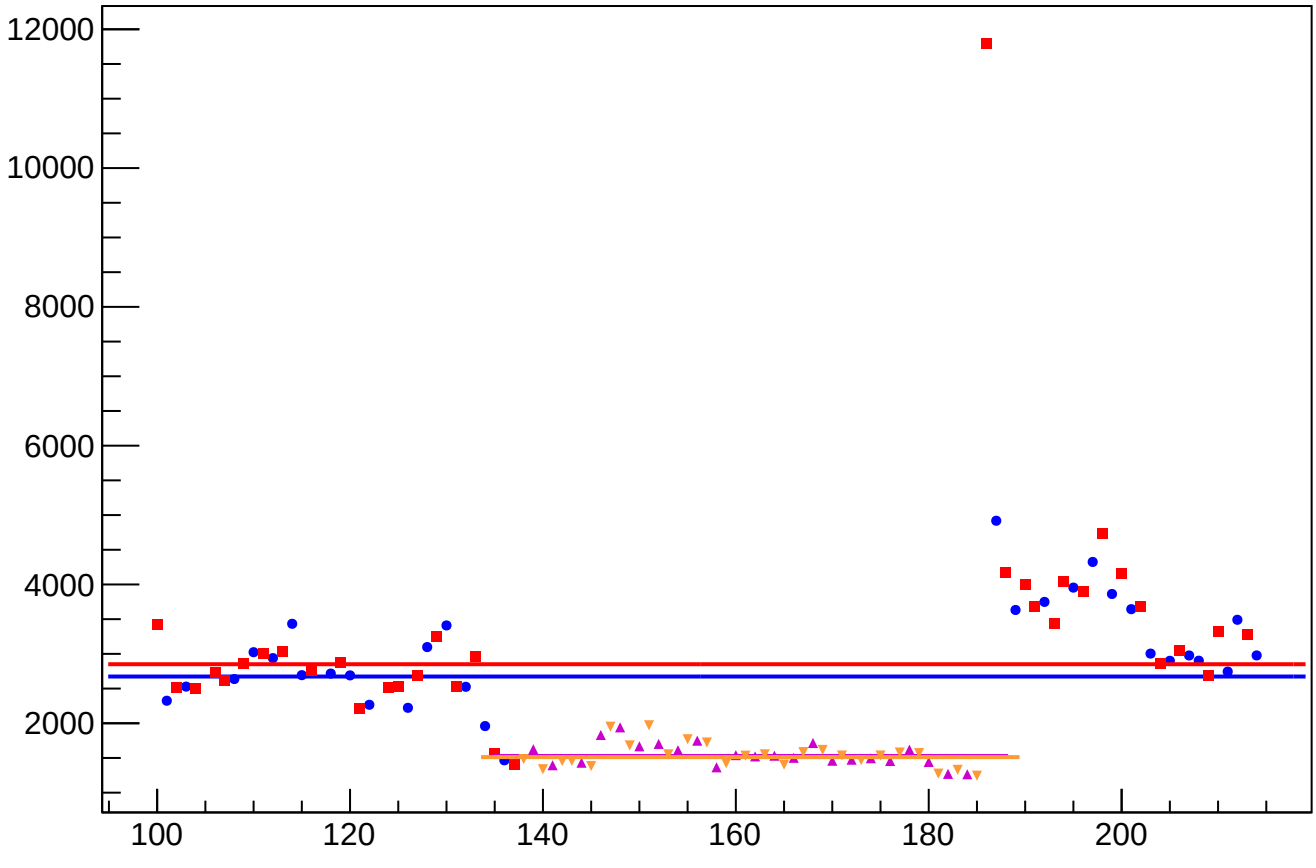
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -813.933+/-471.347 χ^2/NDF: 77.5/63

In: -618.314+/-314.529 χ^2/NDF:79.5/52

Out: -355.577+/-308.969 χ^2/NDF:72.9/58

All: -484.603+/-220.413 χ^2/NDF: 152.7/111



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

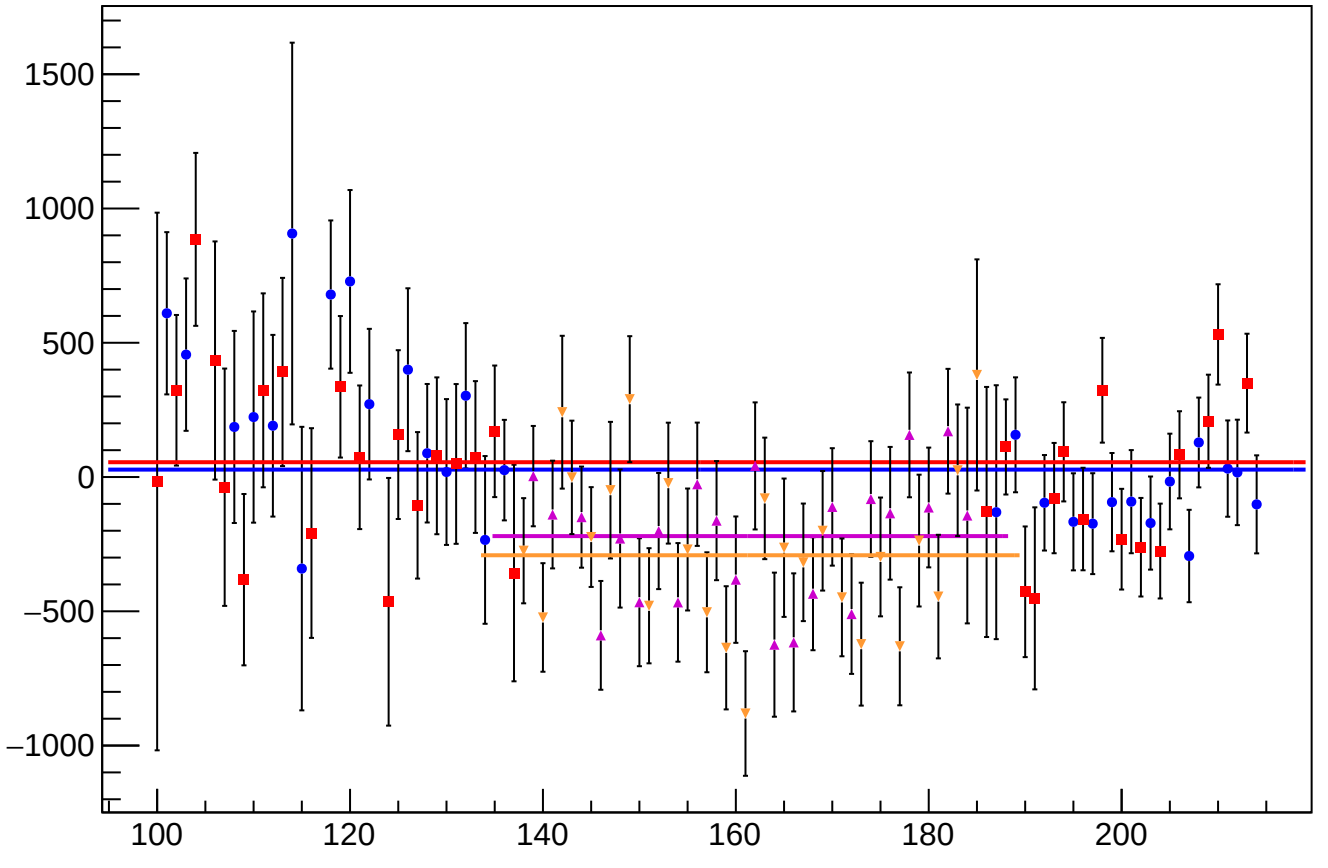
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2757.822+/-0.333 χ^2/NDF: 5714064.5/63

In: 1795.494+/-0.222 χ^2/NDF:7791981.7/52

Out: 1785.845+/-0.218 χ^2/NDF:9518571.4/58

All: 1790.584+/-0.156 χ^2/NDF: 17311511.0/1



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

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

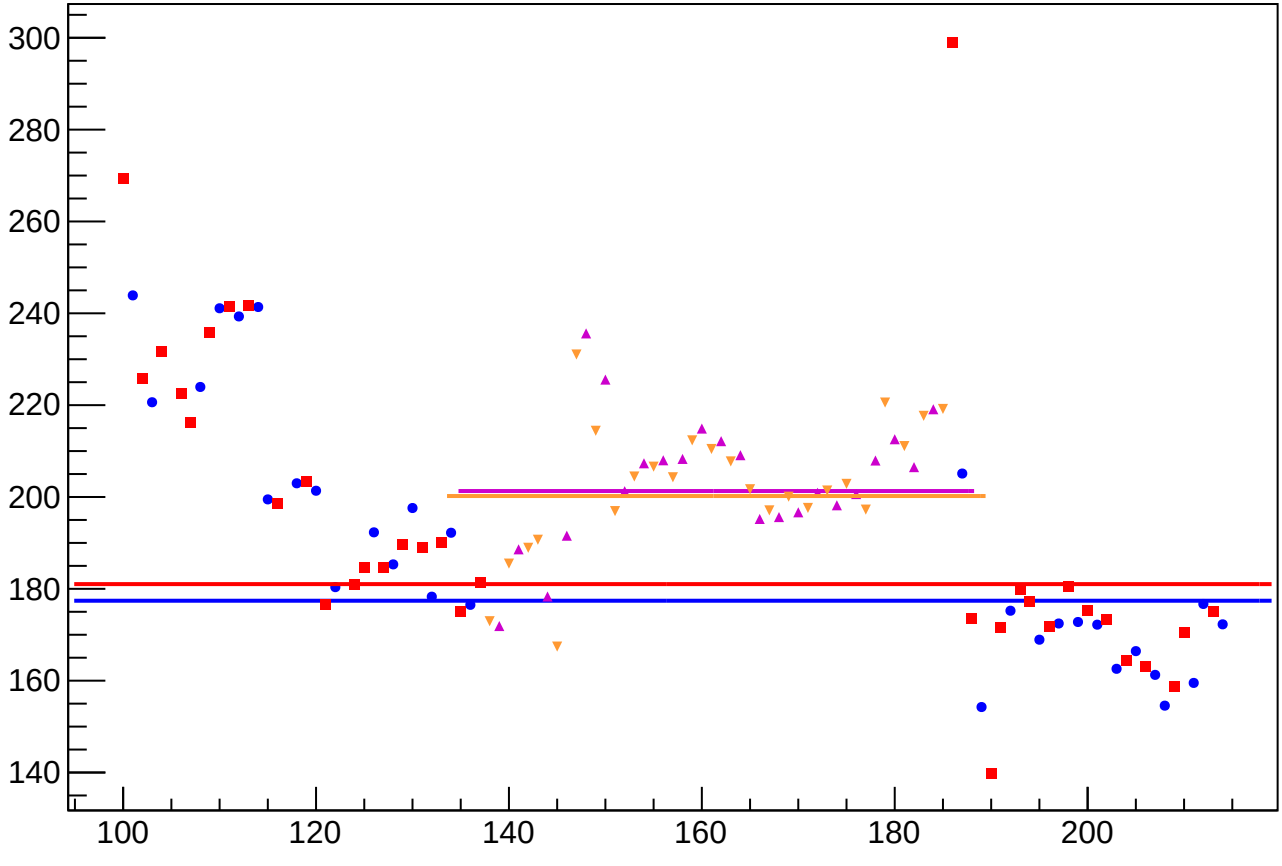
Right: 41.373+/-29.581 χ^2/NDF: 77.6/63

In: -81.202+/-31.258 χ^2/NDF:71.6/52

Out: -103.440+/-30.863 χ^2/NDF:112.6/58

All: -92.462+/-21.962 χ^2/NDF: 184.5/111

eigen_cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

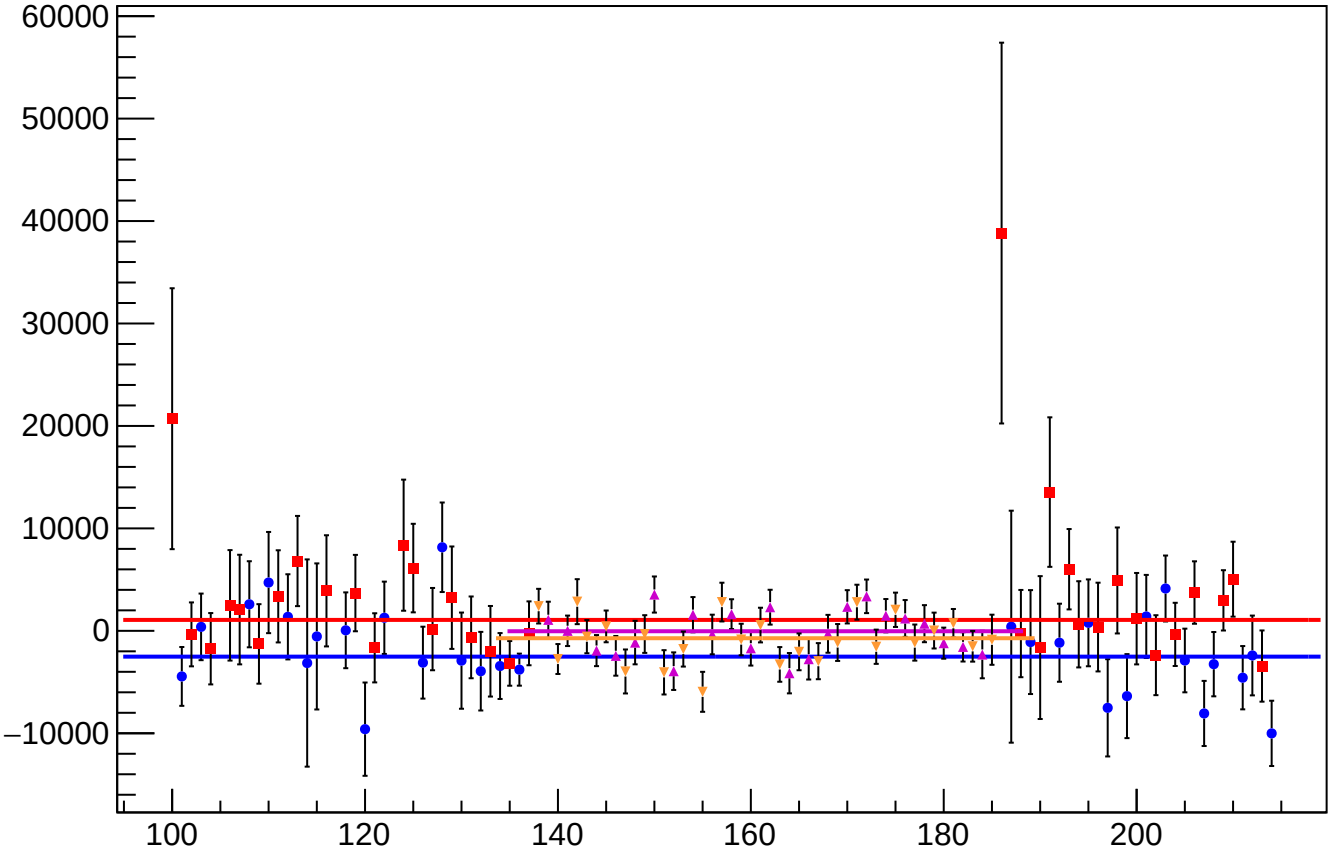
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 179.213+/-0.021 χ^2/NDF: 1144055.2/63

In: 187.910+/-0.022 χ^2/NDF:973130.0/52

Out: 189.810+/-0.022 χ^2/NDF:1028965.8/58

All: 188.872+/-0.016 χ^2/NDF: 2005839.2/11



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

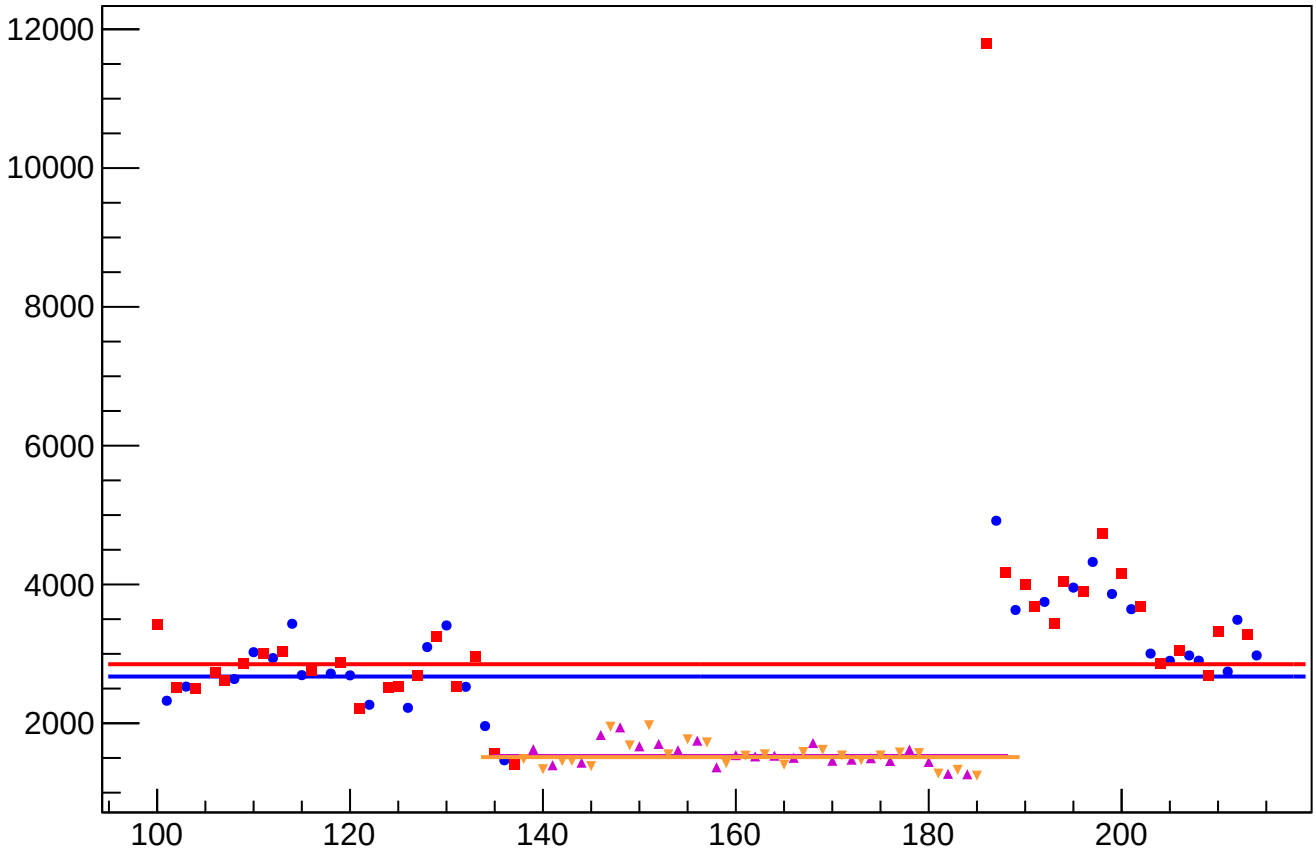
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -813.933+/-471.347 χ^2/NDF: 77.5/63

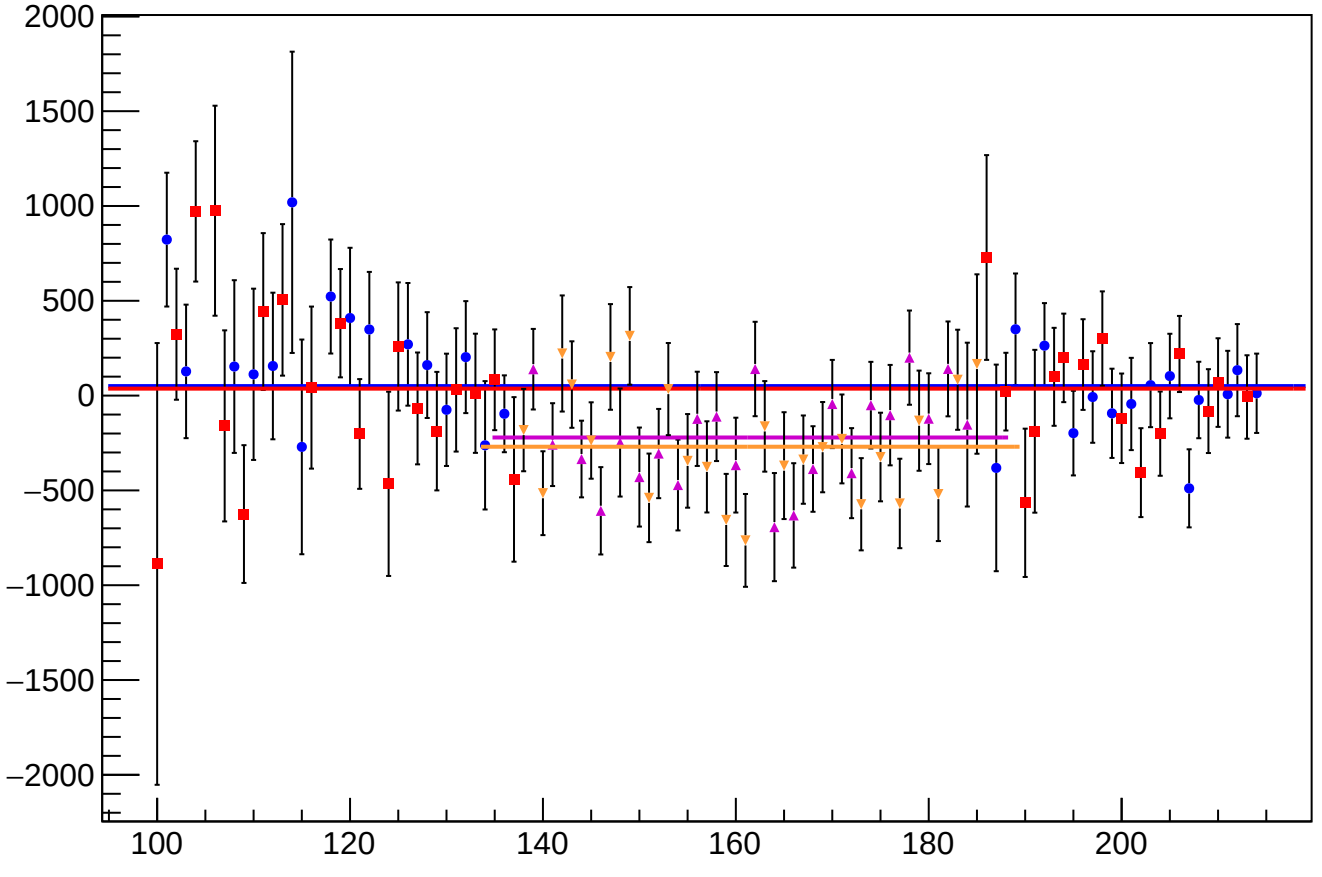
In: -618.314+/-314.529 χ^2/NDF:79.5/52

Out: -355.577+/-308.969 χ^2/NDF:72.9/58

All: -484.603+/-220.413 χ^2/NDF: 152.7/111


asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2673.513+/-0.460 χ²/NDF: 2669316.7/29
Left Out: 1512.365+/-0.245 χ²/NDF:442559.1/24
Right Out: 2850.806+/-0.483 χ²/NDF: 2974176.2/33
Left In: 1527.964+/-0.254 χ²/NDF:373845.3/22
Left: 1519.880+/-0.176 χ²/NDF: 818358.6/47
Right: 2757.822+/-0.333 χ²/NDF: 5714064.5/63
In: 1795.494+/-0.222 χ²/NDF:7791981.7/52
Out: 1785.845+/-0.218 χ²/NDF:9518571.4/58
All: 1790.584+/-0.156 χ²/NDF: 17311511.0/

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



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

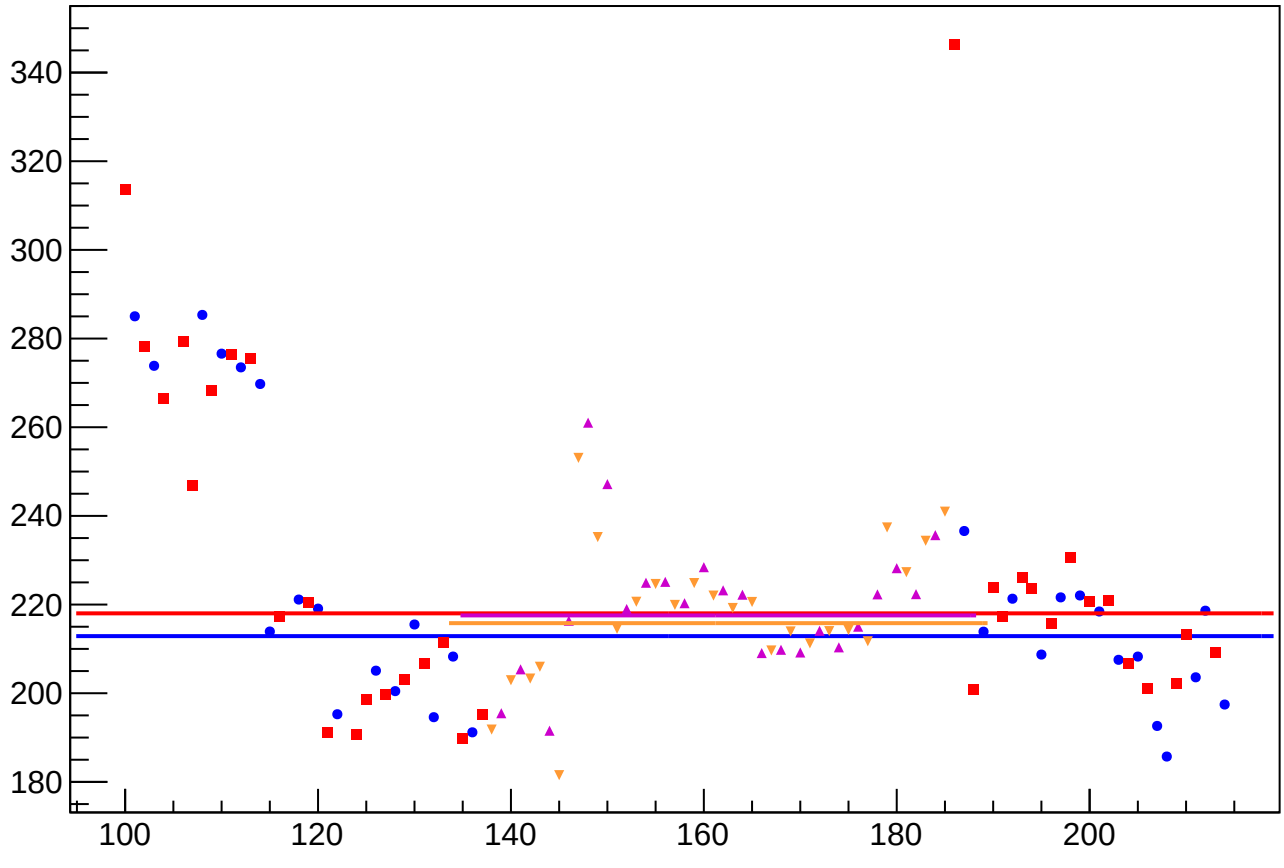
Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

Right: 43.471+/-35.516 χ^2/NDF: 59.7/63

In: -82.972+/-35.706 χ^2/NDF:63.0/52

Out: -120.319+/-35.193 χ^2/NDF:84.9/58

All: -101.916+/-25.065 χ^2/NDF: 148.5/111



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

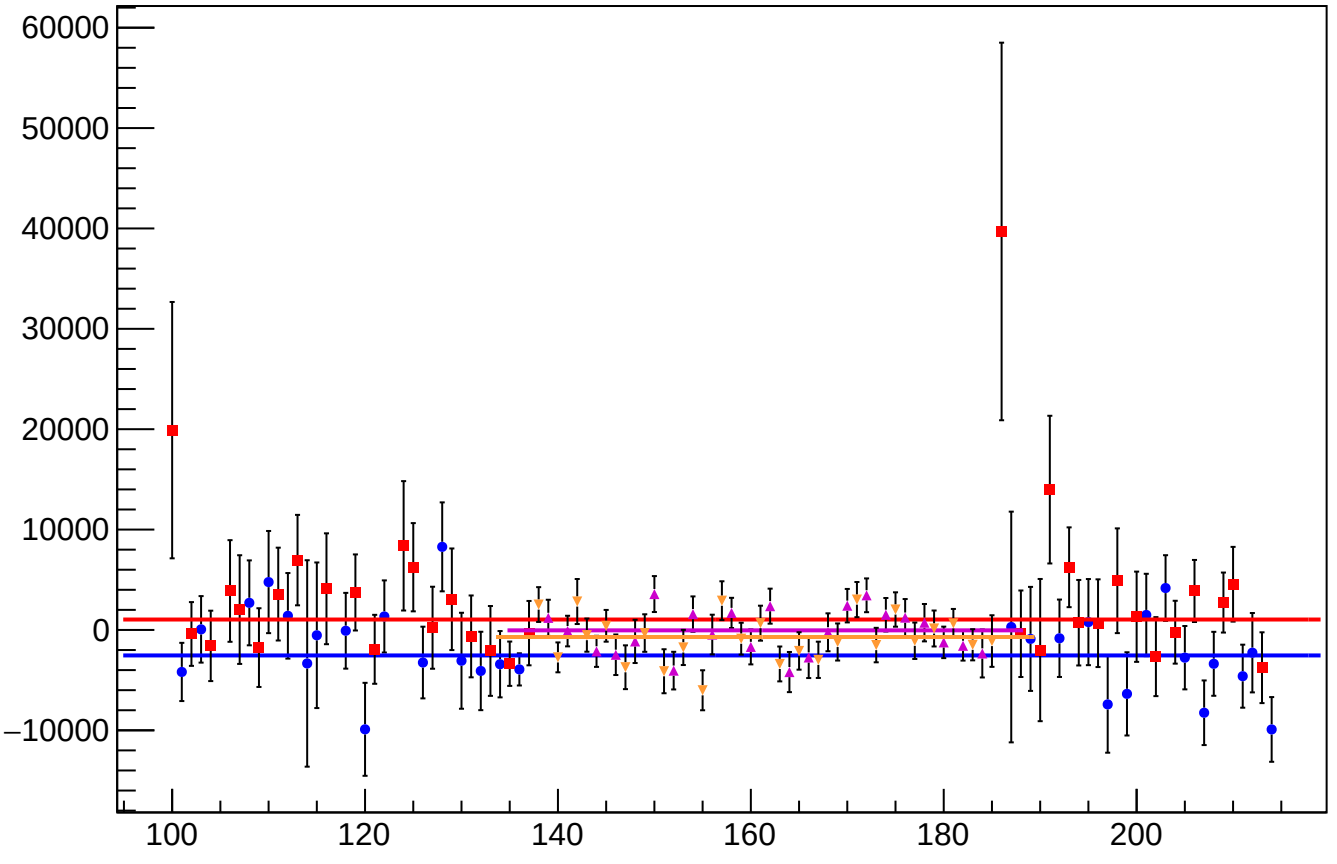
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 215.431+/-0.025 χ^2/NDF: 939401.6/63

In: 215.176+/-0.025 χ^2/NDF:595049.4/52

Out: 216.884+/-0.025 χ^2/NDF:694196.2/58

All: 216.043+/-0.018 χ^2/NDF: 1291567.0/11



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

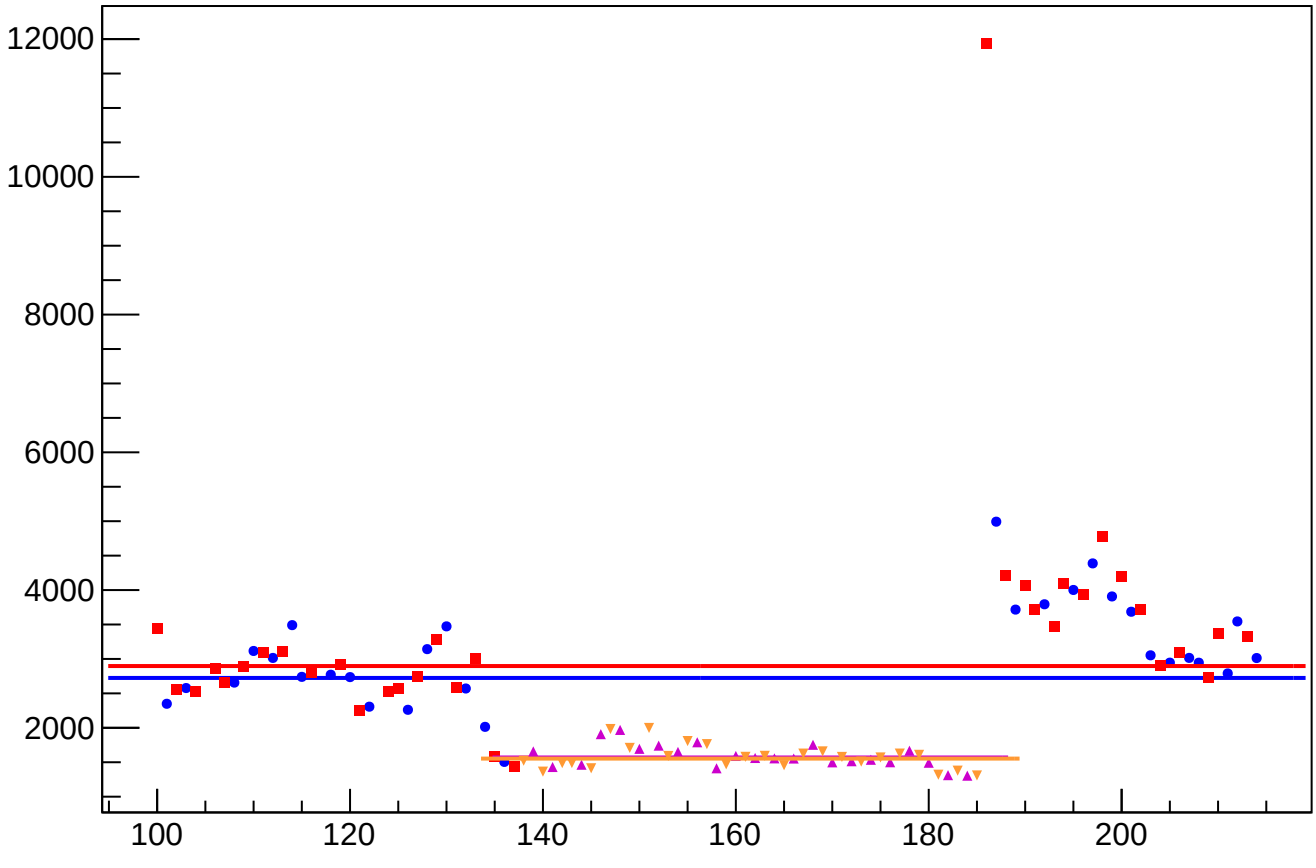
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -831.160+/-478.806 χ^2/NDF: 77.4/63

In: -631.455+/-322.273 χ^2/NDF:78.7/52

Out: -340.980+/-316.272 χ^2/NDF:72.6/58

All: -483.488+/-225.730 χ^2/NDF: 151.7/111



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

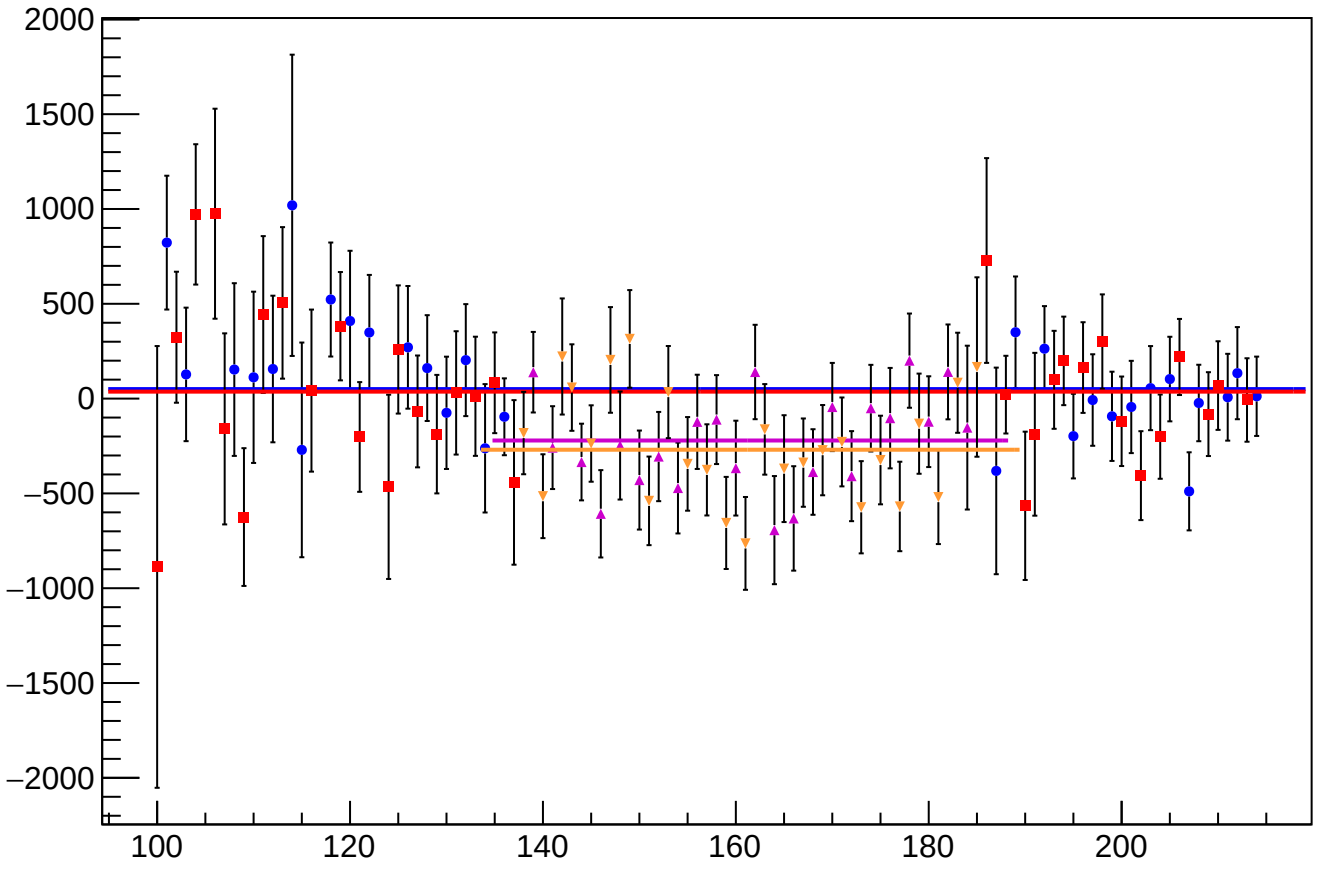
Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

Right: 2806.594+/-0.339 χ^2/NDF: 5599887.6/63

In: 1842.713+/-0.228 χ^2/NDF:7599049.2/52

Out: 1832.999+/-0.224 χ^2/NDF:9297948.9/58

All: 1837.765+/-0.160 χ^2/NDF: 16897923.7/1



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

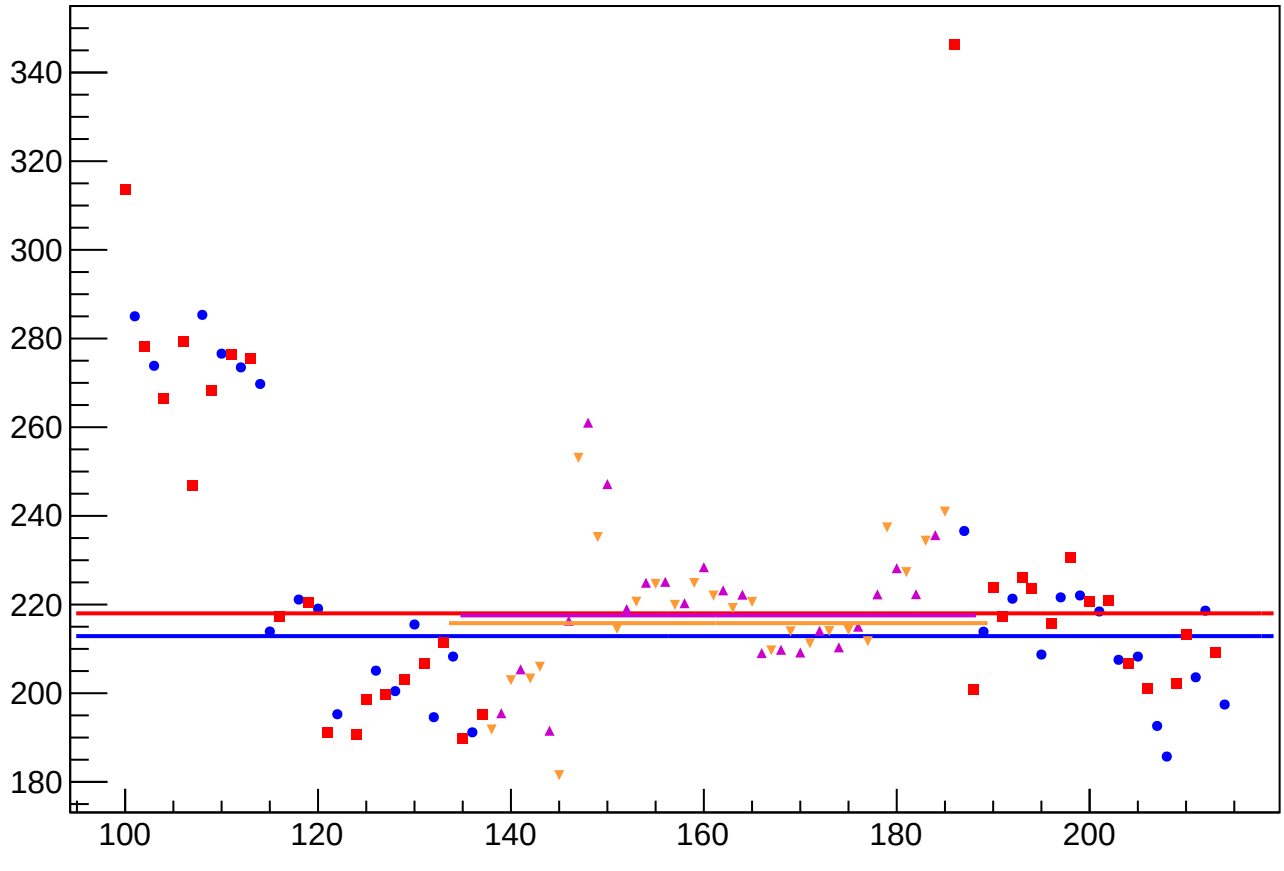
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 43.473+/-35.516 χ^2/NDF: 59.7/63

In: -82.970+/-35.706 χ^2/NDF:63.0/52

Out: -120.320+/-35.193 χ^2/NDF:84.9/58

All: -101.916+/-25.065 χ^2/NDF: 148.5/111



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

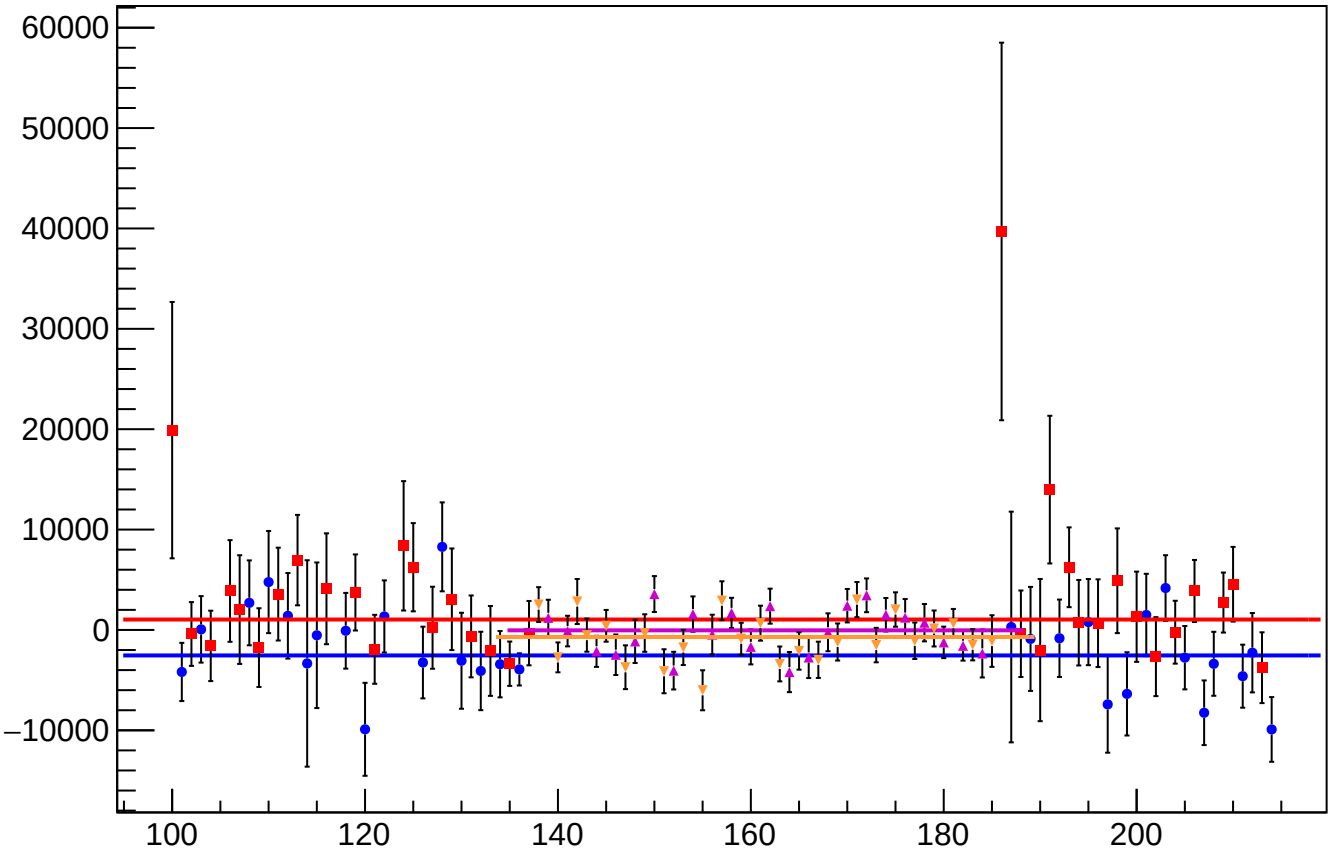
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 215.431+/-0.025 χ^2/NDF: 939374.6/63

In: 215.176+/-0.025 χ^2/NDF:595043.5/52

Out: 216.884+/-0.025 χ^2/NDF:694181.7/58

All: 216.042+/-0.018 χ^2/NDF: 1291547.1/111



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

Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

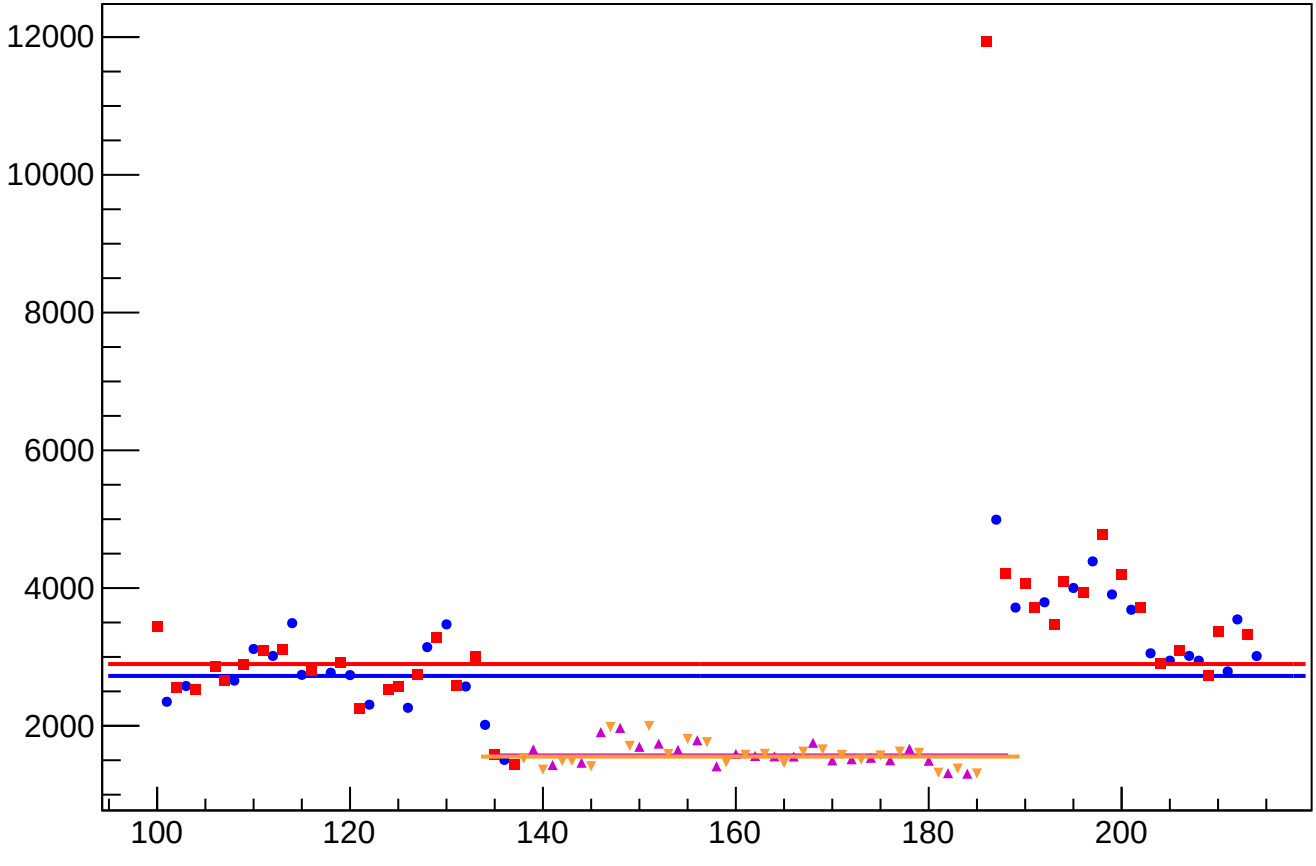
Right: -831.158+/-478.806 χ^2/NDF: 77.4/63

In: -631.454+/-322.273 χ^2/NDF:78.7/52

Out: -340.980+/-316.272 χ^2/NDF:72.6/58

All: -483.487+/-225.730 χ^2/NDF: 151.7/111

asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

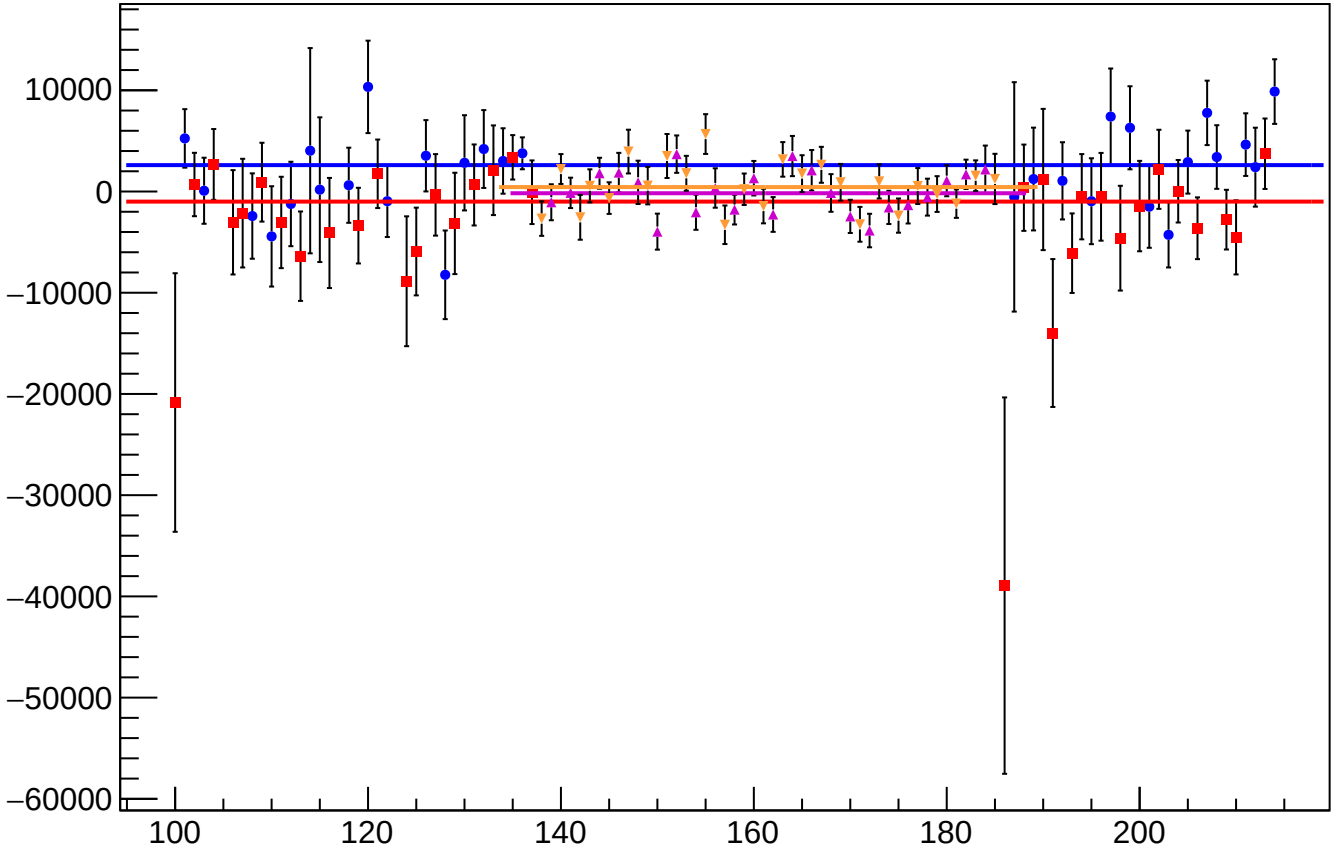
Right: 2806.592+/-0.339 χ^2/NDF: 5599888.9/63

In: 1842.713+/-0.228 χ^2/NDF:7599037.6/52

Out: 1832.999+/-0.224 χ^2/NDF:9297935.2/58

All: 1837.765+/-0.160 χ^2/NDF: 16897898.4/1

asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

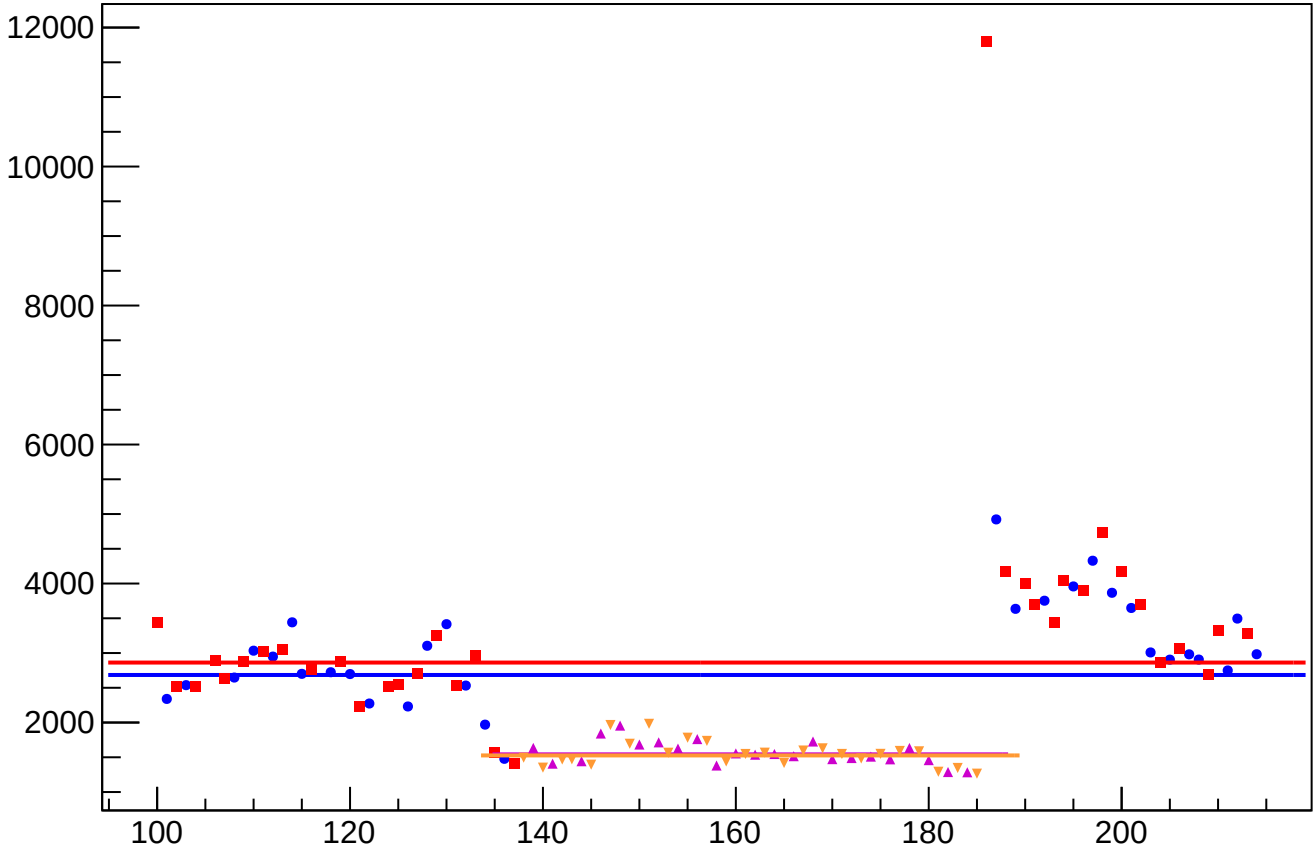
Right: 891.731+/-472.652 χ^2/NDF: 77.7/63

In: 484.640+/-316.979 χ^2/NDF:80.5/52

Out: 141.194+/-311.371 χ^2/NDF:71.8/58

All: 309.852+/-222.129 χ^2/NDF: 152.9/111

asym_sam_26_dd_rms vs Slug, Sign Corrected



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

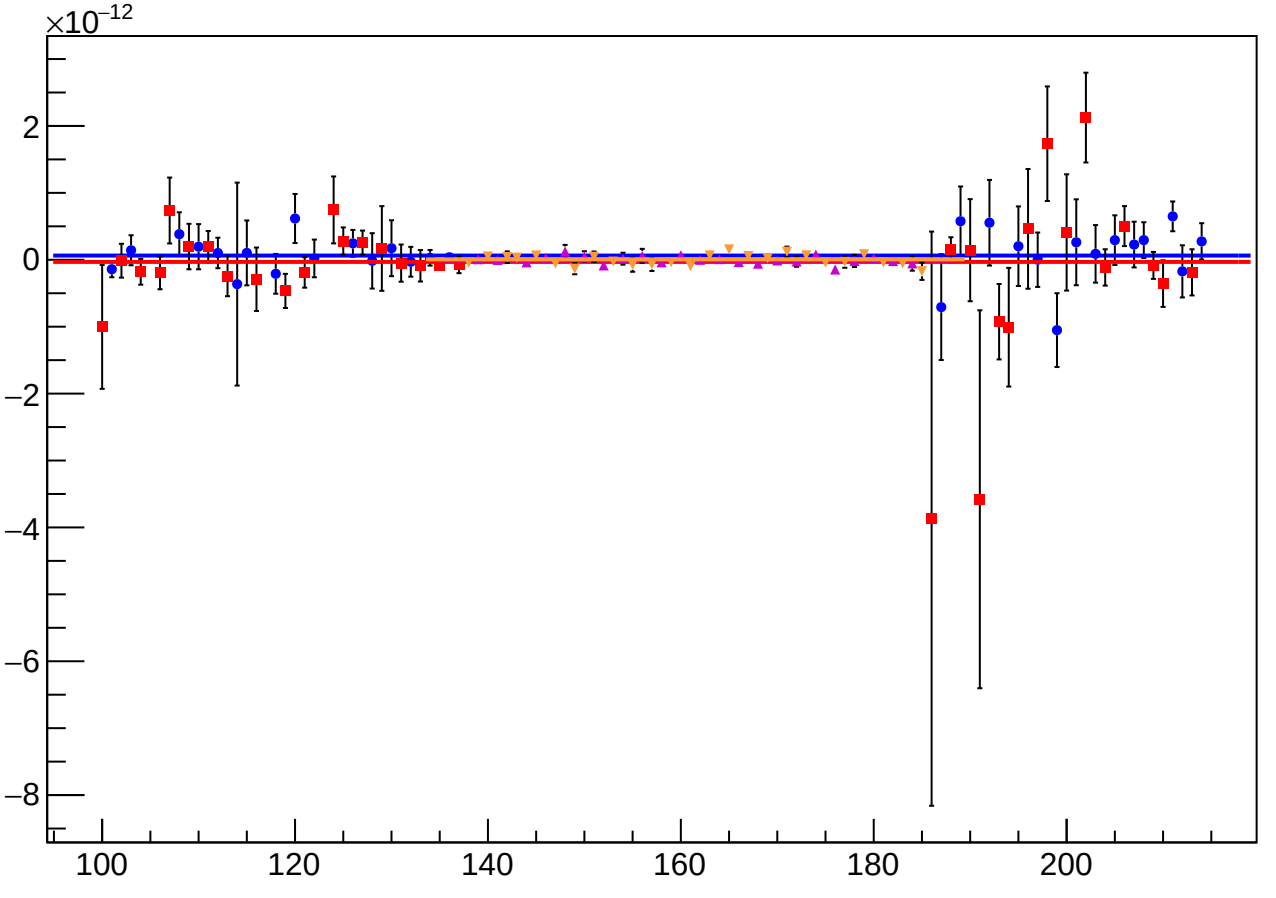
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2769.368+/-0.334 χ^2/NDF: 5639695.9/63

In: 1811.313+/-0.224 χ^2/NDF:7665891.6/52

Out: 1802.867+/-0.220 χ^2/NDF:9408279.5/58

All: 1807.015+/-0.157 χ^2/NDF: 17074893.8/1



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

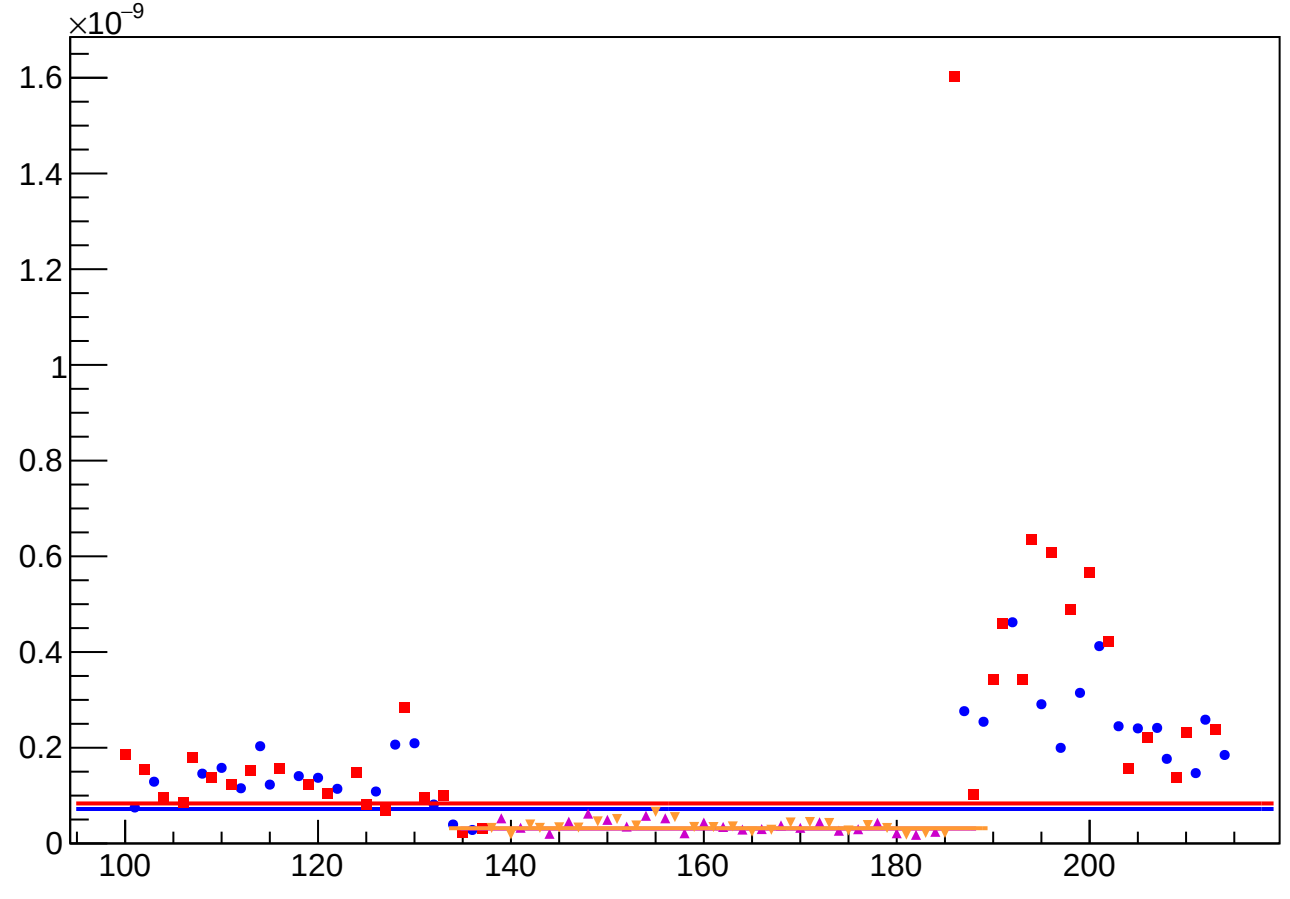
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 73.2/63

In: -0.000+/-0.000 χ^2/NDF:45.9/52

Out: 0.000+/-0.000 χ^2/NDF:76.7/58

All: 0.000+/-0.000 χ^2/NDF: 122.6/111



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

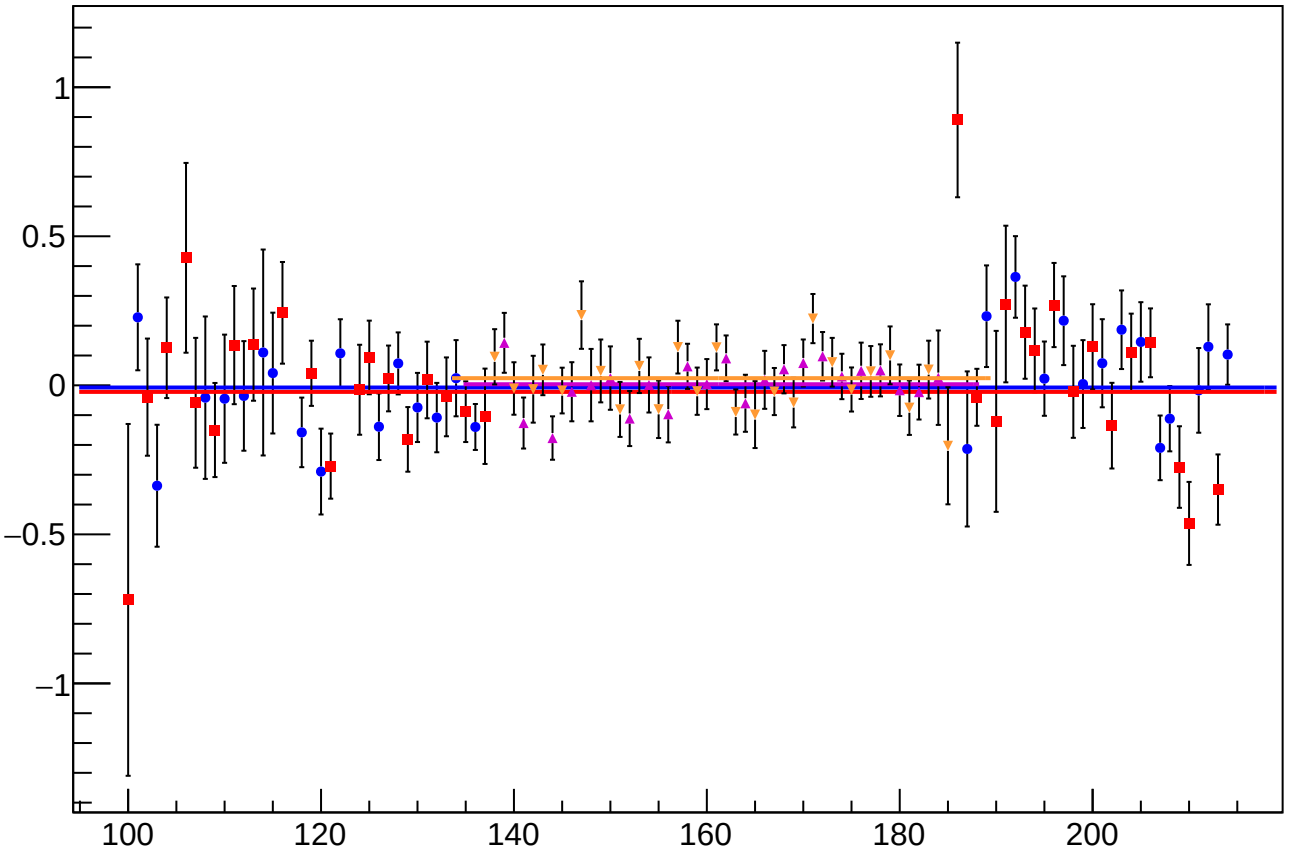
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16714731.9/63

In: 0.000+/-0.000 χ^2/NDF:12349184.1/52

Out: 0.000+/-0.000 χ^2/NDF:12748171.7/58

All: 0.000+/-0.000 χ^2/NDF: 25098384.0/111



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

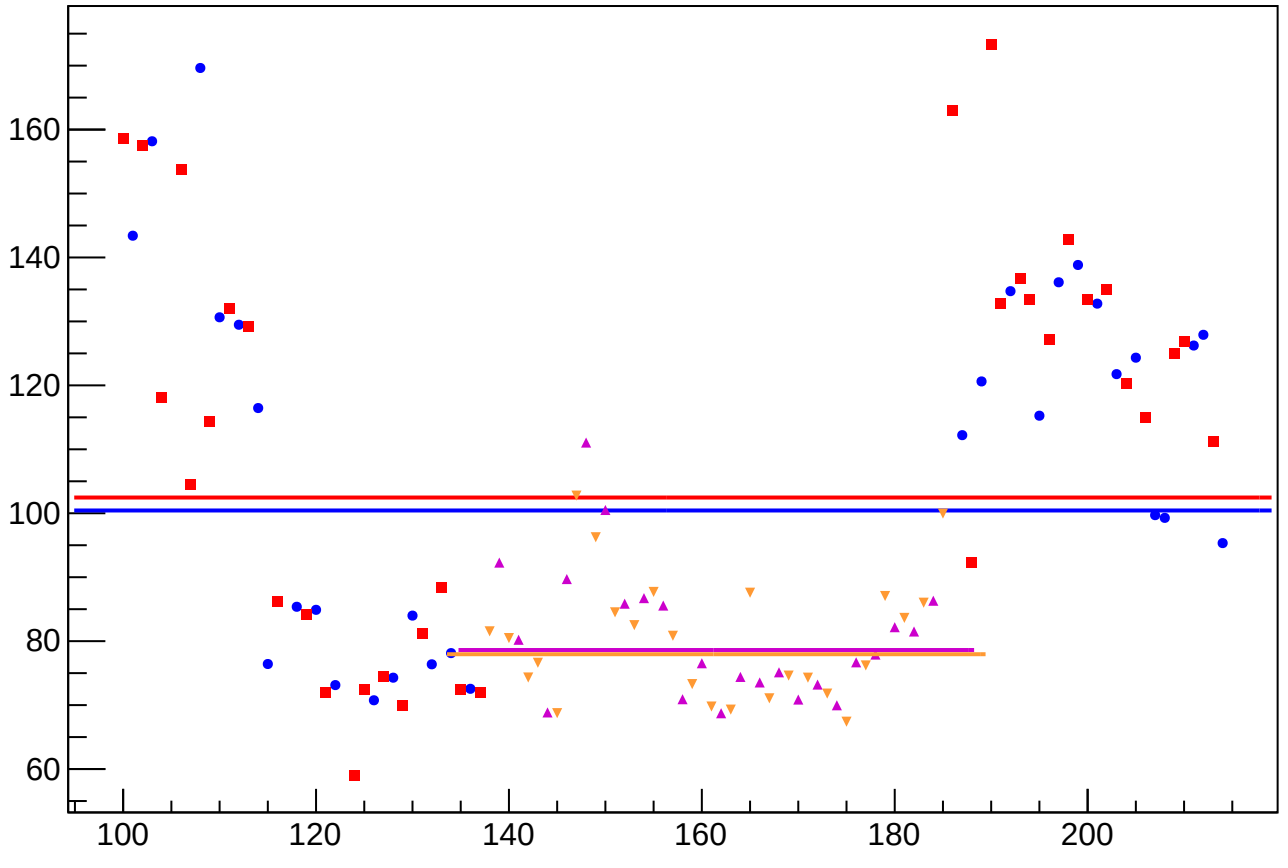
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.015+/-0.017 χ^2/NDF: 104.7/63

In: -0.000+/-0.015 χ^2/NDF:58.7/52

Out: 0.008+/-0.014 χ^2/NDF:92.6/58

All: 0.004+/-0.010 χ^2/NDF: 151.5/111



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

Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

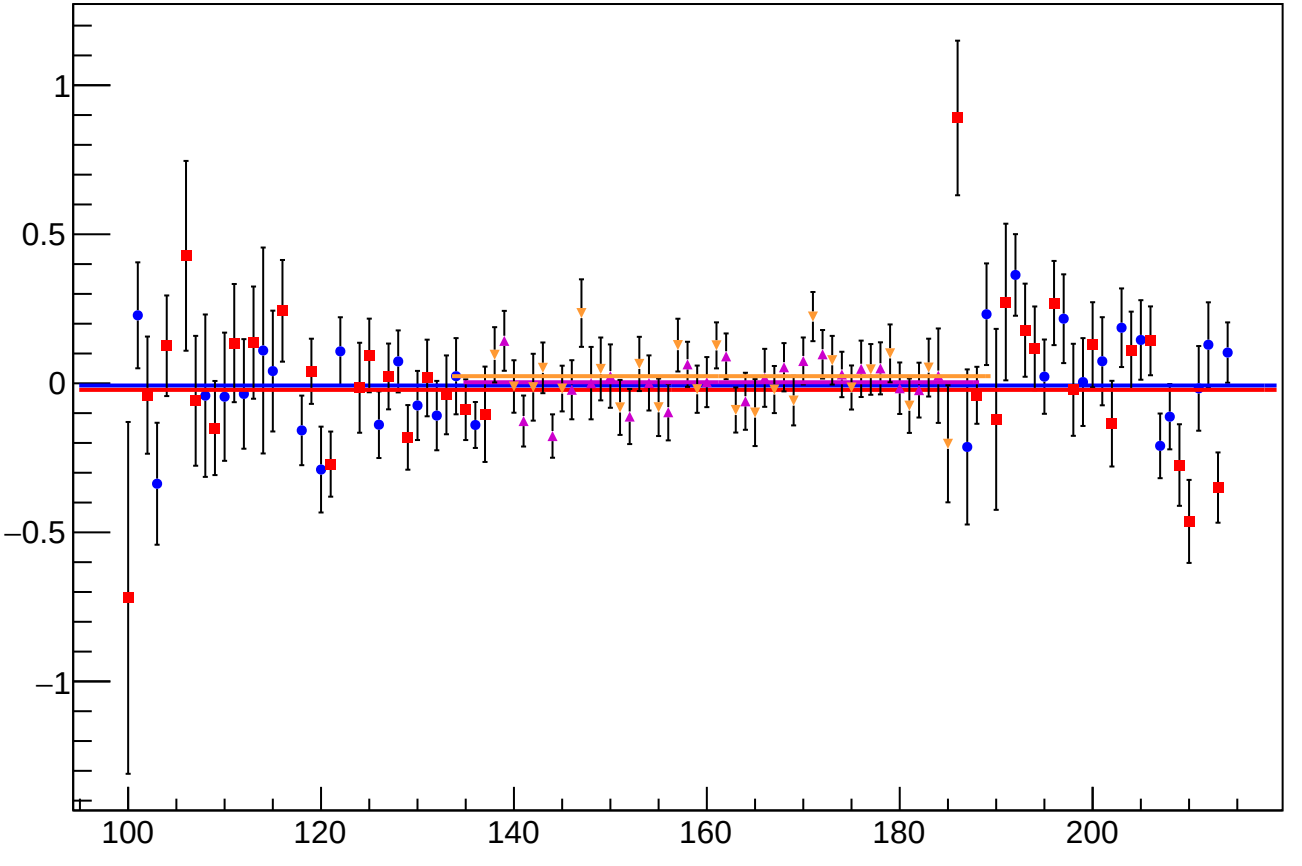
Right: 101.441+/-0.012 χ^2/NDF: 4743424.4/63

In: 86.628+/-0.010 χ^2/NDF:3720641.3/52

Out: 86.445+/-0.010 χ^2/NDF:4272563.6/58

All: 86.534+/-0.007 χ^2/NDF: 7993362.5/111

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

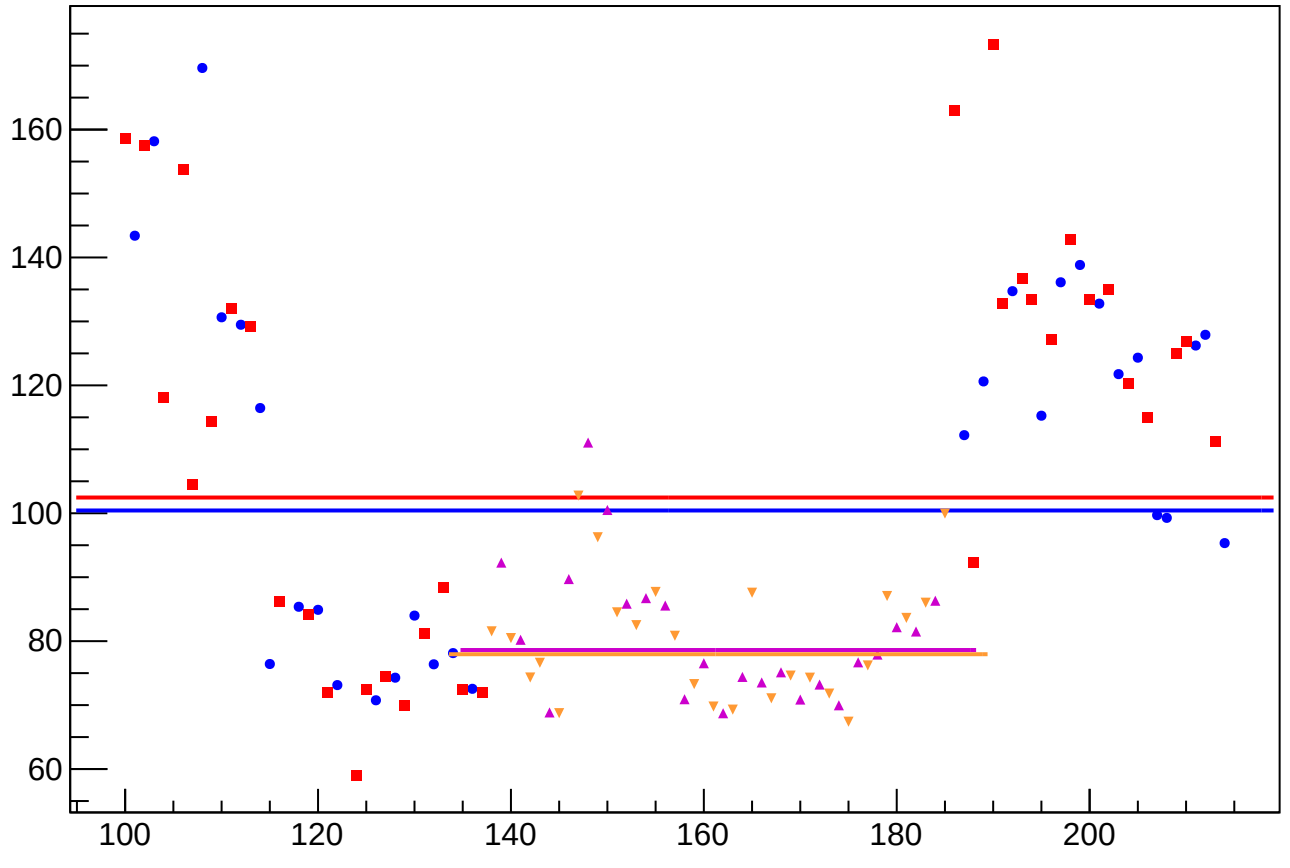
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.015+/-0.017 χ^2/NDF: 104.7/63

In: -0.000+/-0.015 χ^2/NDF:58.7/52

Out: 0.008+/-0.014 χ^2/NDF:92.6/58

All: 0.004+/-0.010 χ^2/NDF: 151.5/111



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

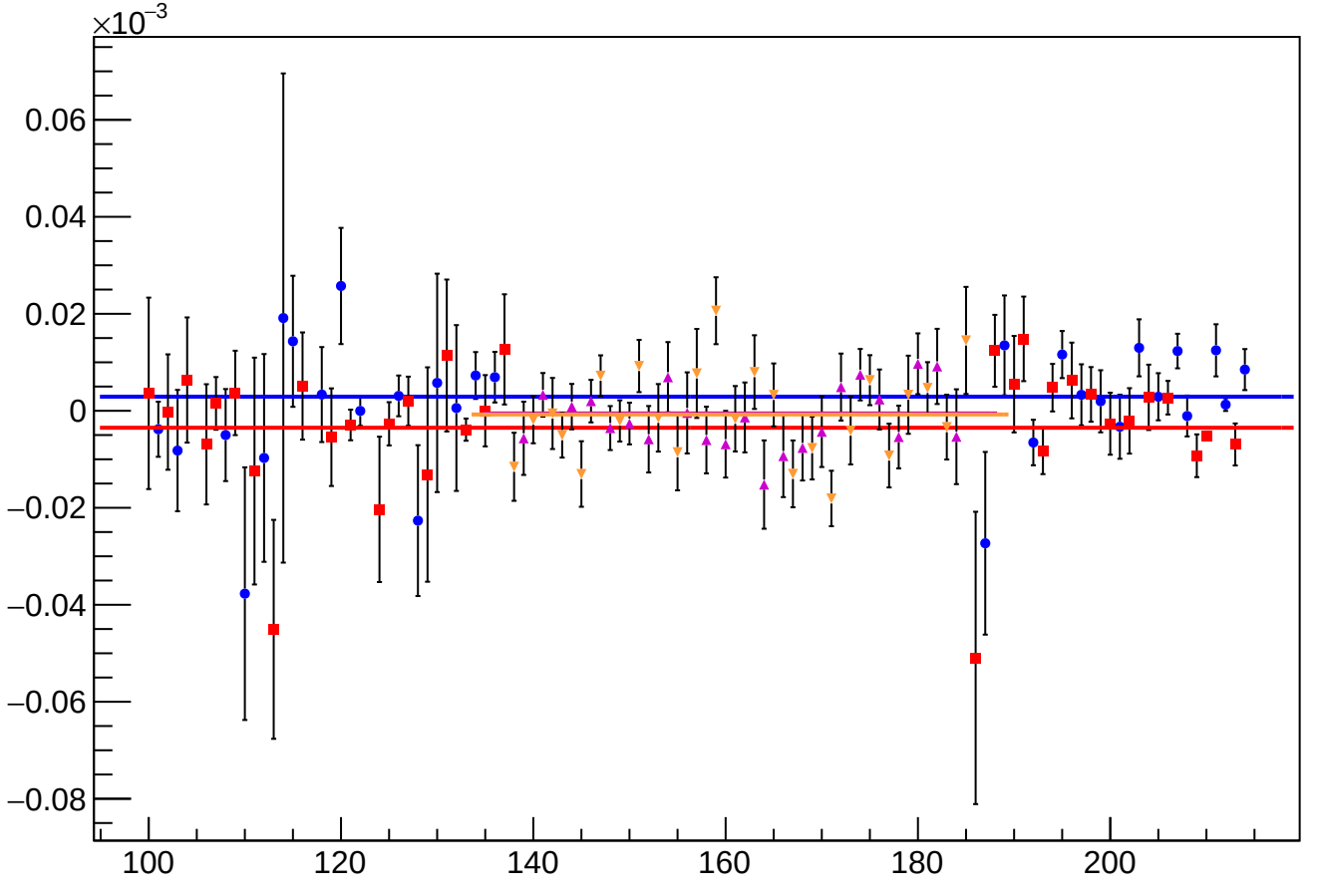
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 101.441+/-0.012 χ^2/NDF: 4743424.4/63

In: 86.628+/-0.010 χ^2/NDF:3720641.3/52

Out: 86.445+/-0.010 χ^2/NDF:4272563.6/58

All: 86.534+/-0.007 χ^2/NDF: 7993362.5/111



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

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

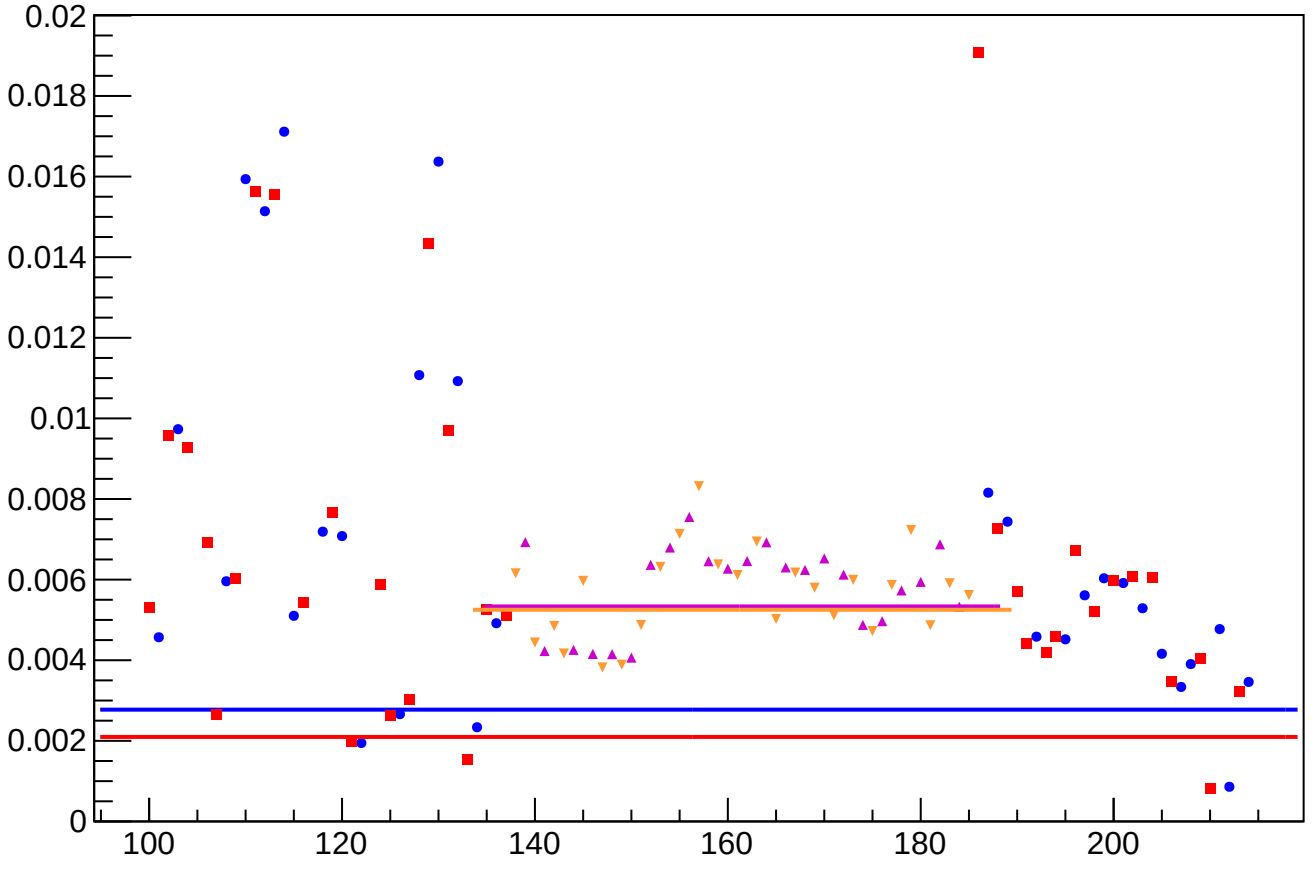
Right: -0.000+/-0.000 χ^2/NDF: 120.0/63

In: 0.000+/-0.000 χ^2/NDF:67.9/52

Out: -0.000+/-0.000 χ^2/NDF:92.8/58

All: -0.000+/-0.000 χ^2/NDF: 186.3/111

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

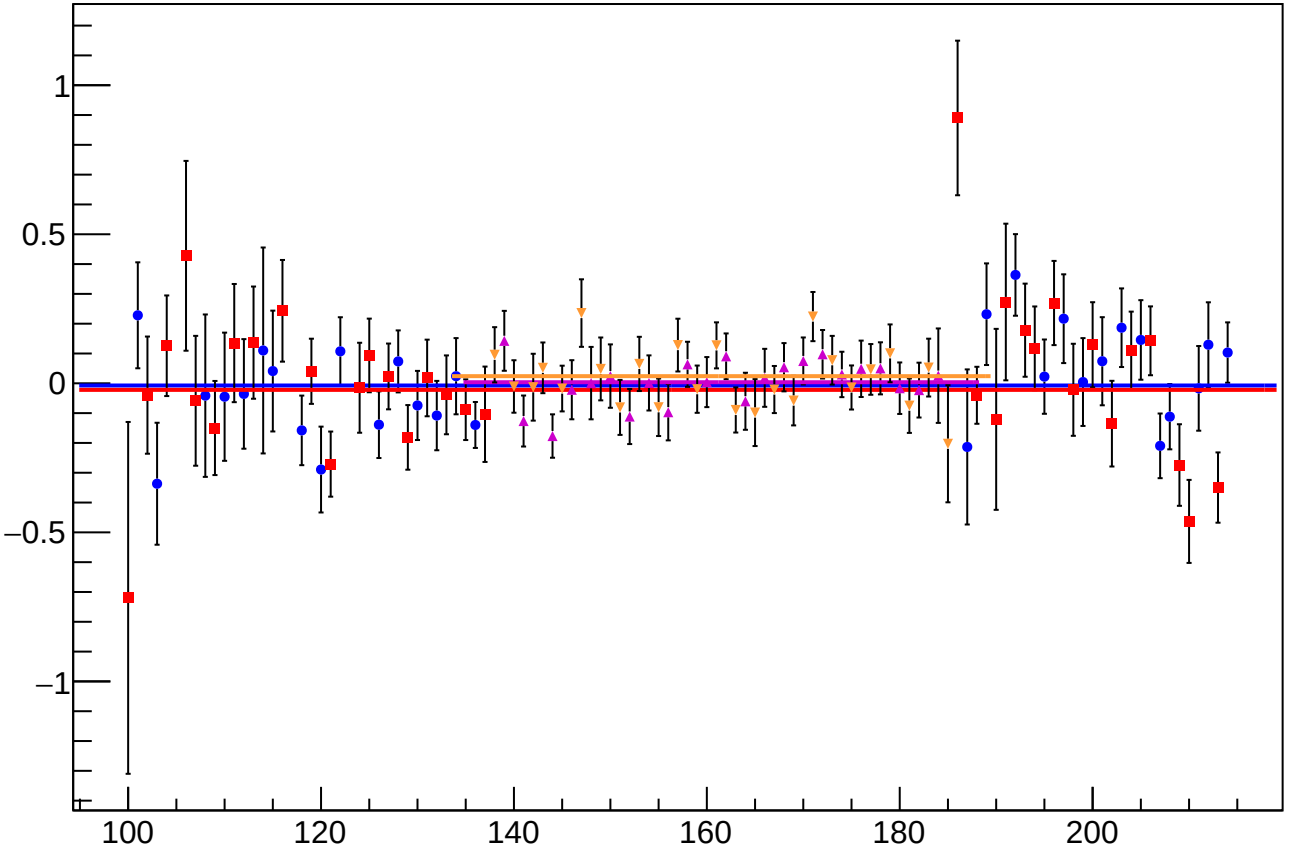
Right: 0.002+/-0.000 χ^2/NDF: 31381876.7/63

In: 0.004+/-0.000 χ^2/NDF:20244271.4/52

Out: 0.003+/-0.000 χ^2/NDF:29051858.7/58

All: 0.003+/-0.000 χ^2/NDF: 50463191.8/111

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

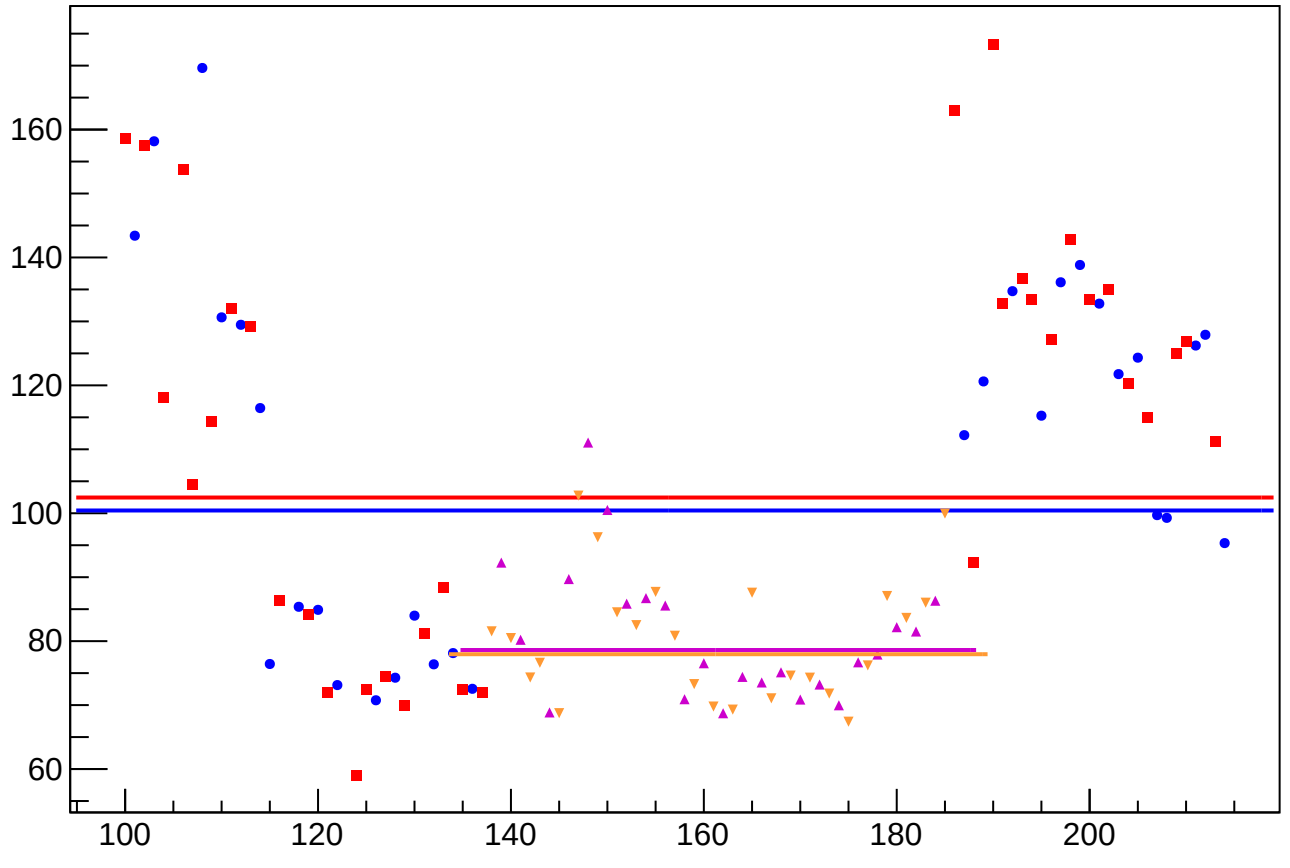
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.015+/-0.017 χ^2/NDF: 104.7/63

In: -0.000+/-0.015 χ^2/NDF:58.7/52

Out: 0.008+/-0.014 χ^2/NDF:92.6/58

All: 0.004+/-0.010 χ^2/NDF: 151.5/111



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

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

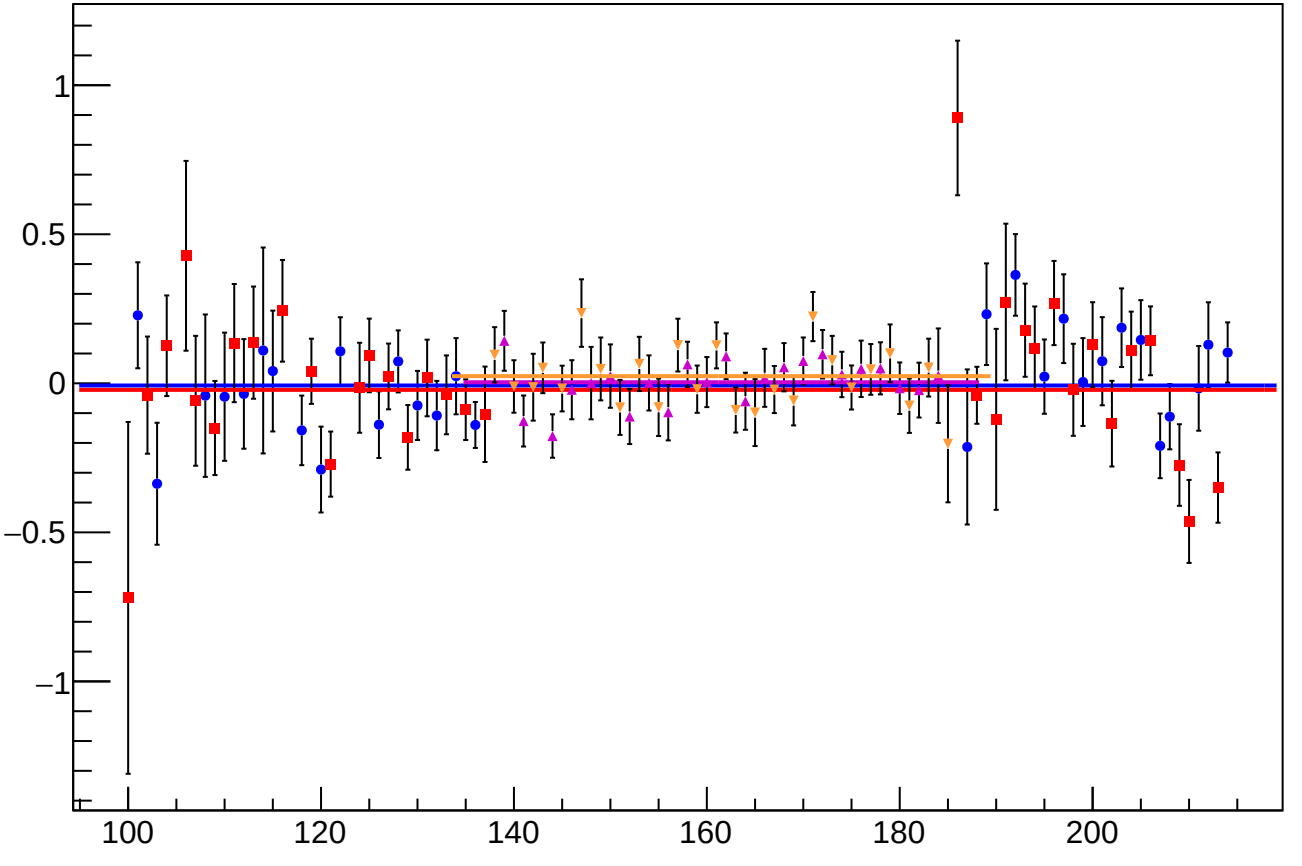
Right: 101.439+/-0.012 χ^2/NDF: 4743691.2/63

In: 86.627+/-0.010 χ^2/NDF:3720735.8/52

Out: 86.444+/-0.010 χ^2/NDF:4272616.2/58

All: 86.533+/-0.007 χ^2/NDF: 7993509.1/111

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

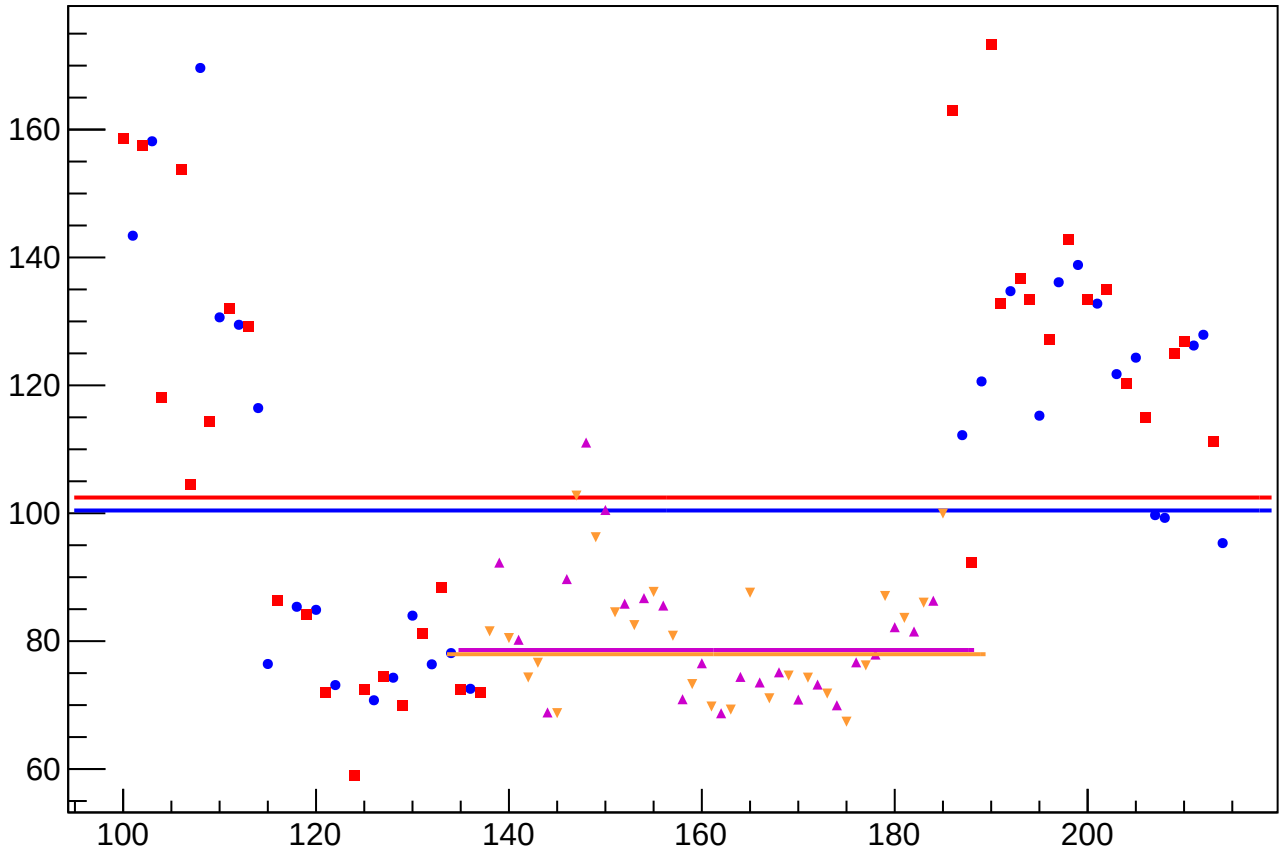
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.015+/-0.017 χ^2/NDF: 104.7/63

In: -0.000+/-0.015 χ^2/NDF:58.7/52

Out: 0.008+/-0.014 χ^2/NDF:92.6/58

All: 0.004+/-0.010 χ^2/NDF: 151.5/111



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

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

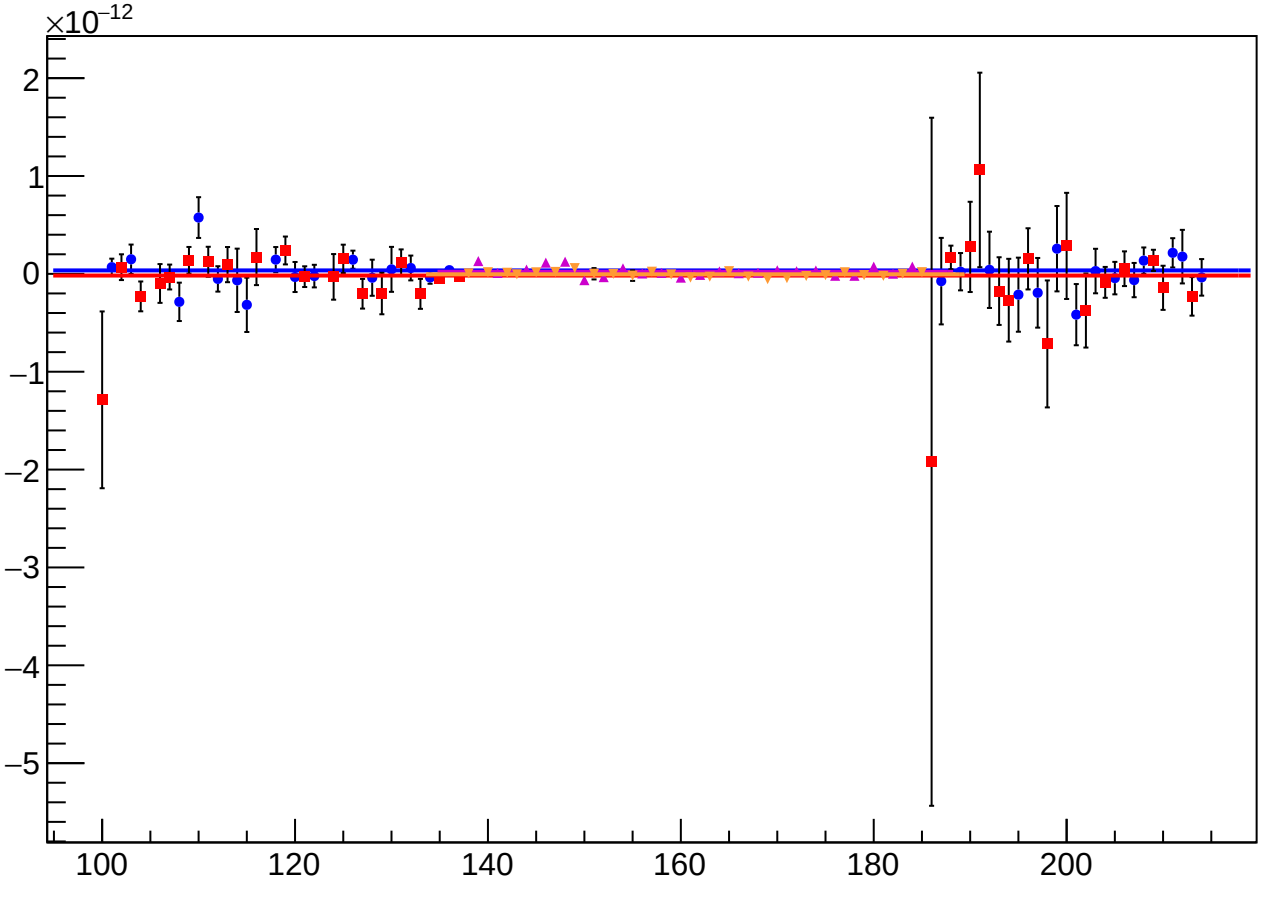
Right: 101.439+/-0.012 χ^2/NDF: 4743691.2/63

In: 86.627+/-0.010 χ^2/NDF:3720735.8/52

Out: 86.444+/-0.010 χ^2/NDF:4272616.2/58

All: 86.533+/-0.007 χ^2/NDF: 7993509.1/111

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/33

Left In: 0.000+/-0.000 χ^2/NDF:40.1/22

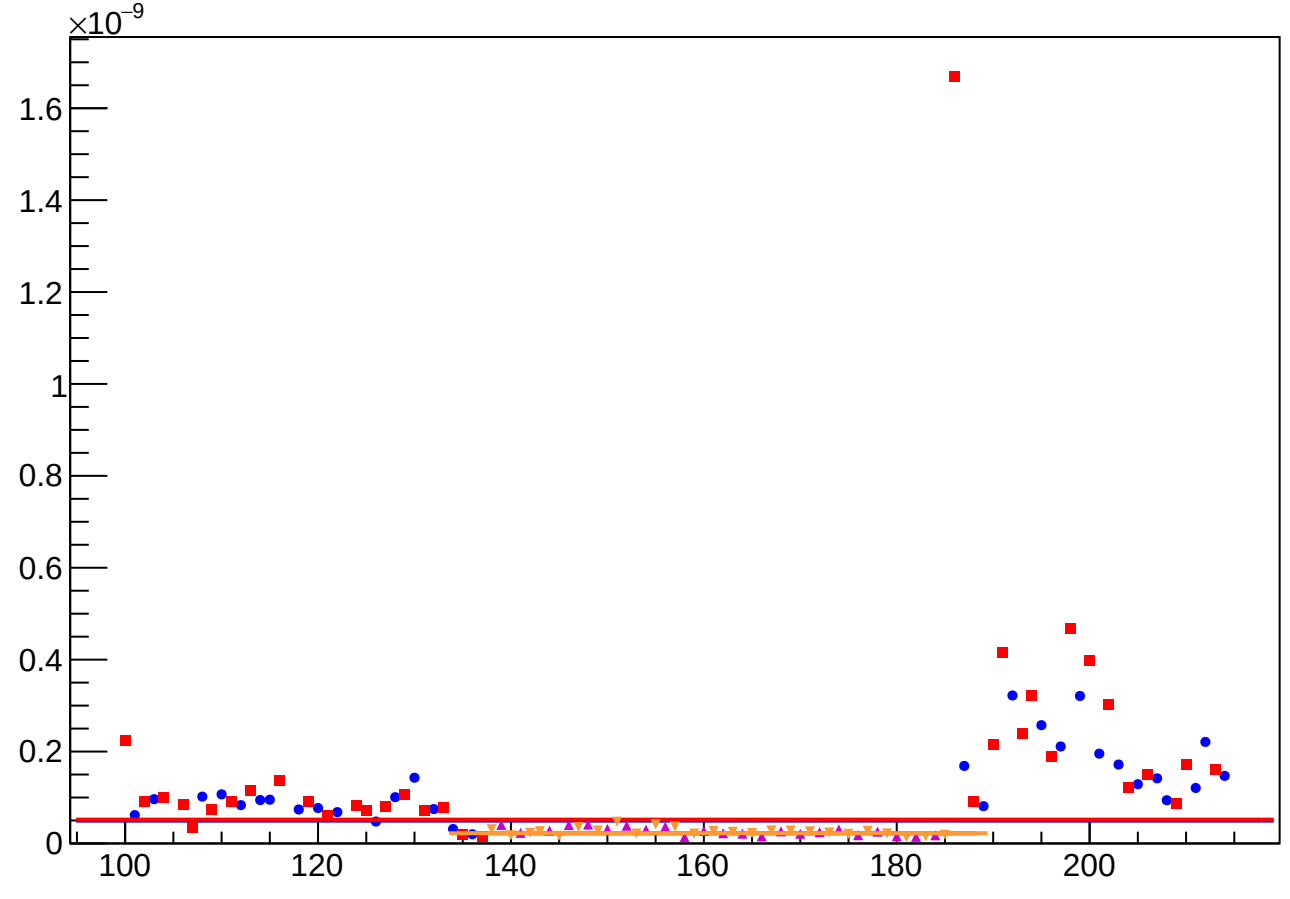
Left: 0.000+/-0.000 χ^2/NDF: 61.2/47

Right: 0.000+/-0.000 χ^2/NDF: 55.3/63

In: 0.000+/-0.000 χ^2/NDF:63.1/52

Out: -0.000+/-0.000 χ^2/NDF:42.7/58

All: 0.000+/-0.000 χ^2/NDF: 116.6/111



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

Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

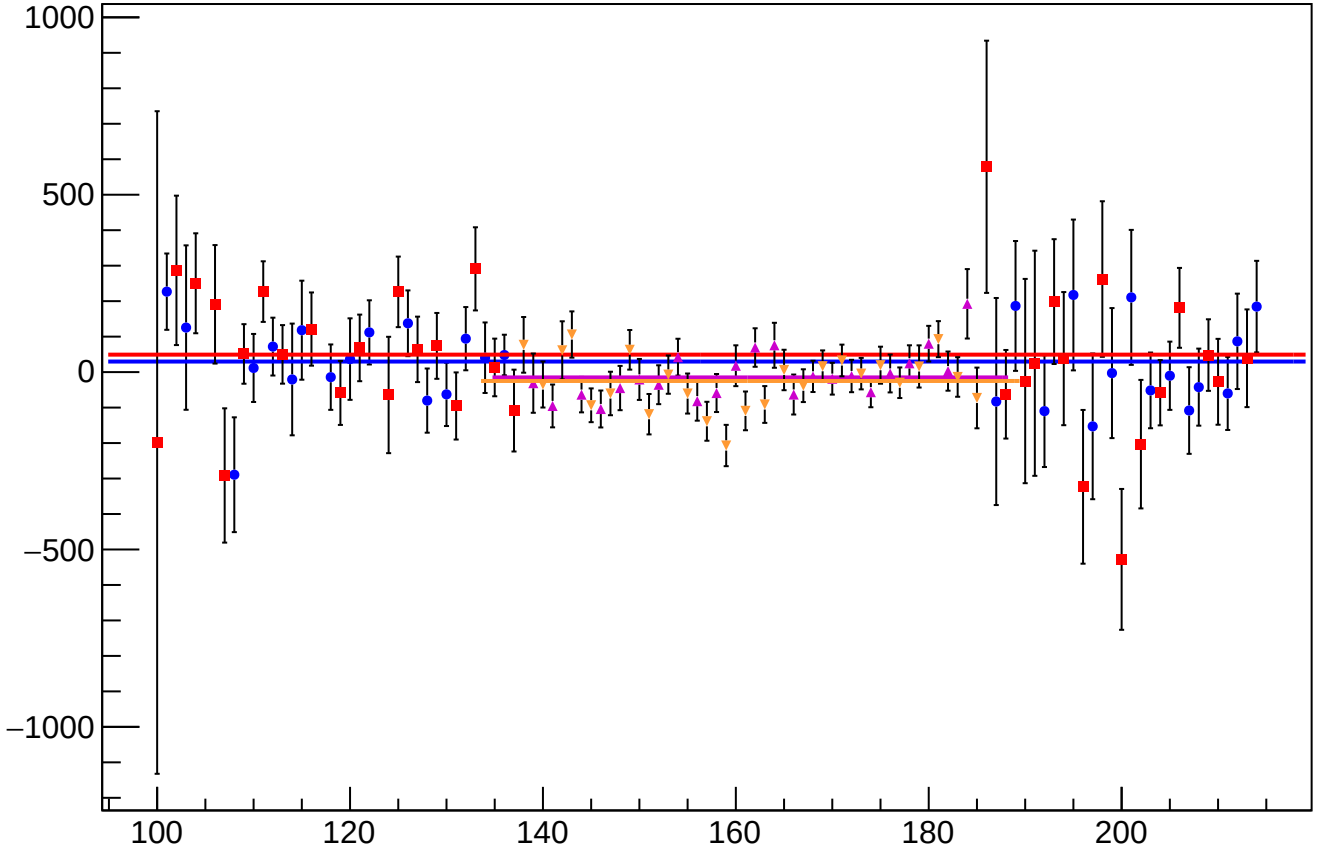
Right: 0.000+/-0.000 χ^2/NDF: 23802548.8/63

In: 0.000+/-0.000 χ^2/NDF:17559302.8/52

Out: 0.000+/-0.000 χ^2/NDF:18776042.3/58

All: 0.000+/-0.000 χ^2/NDF: 36335414.0/111

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

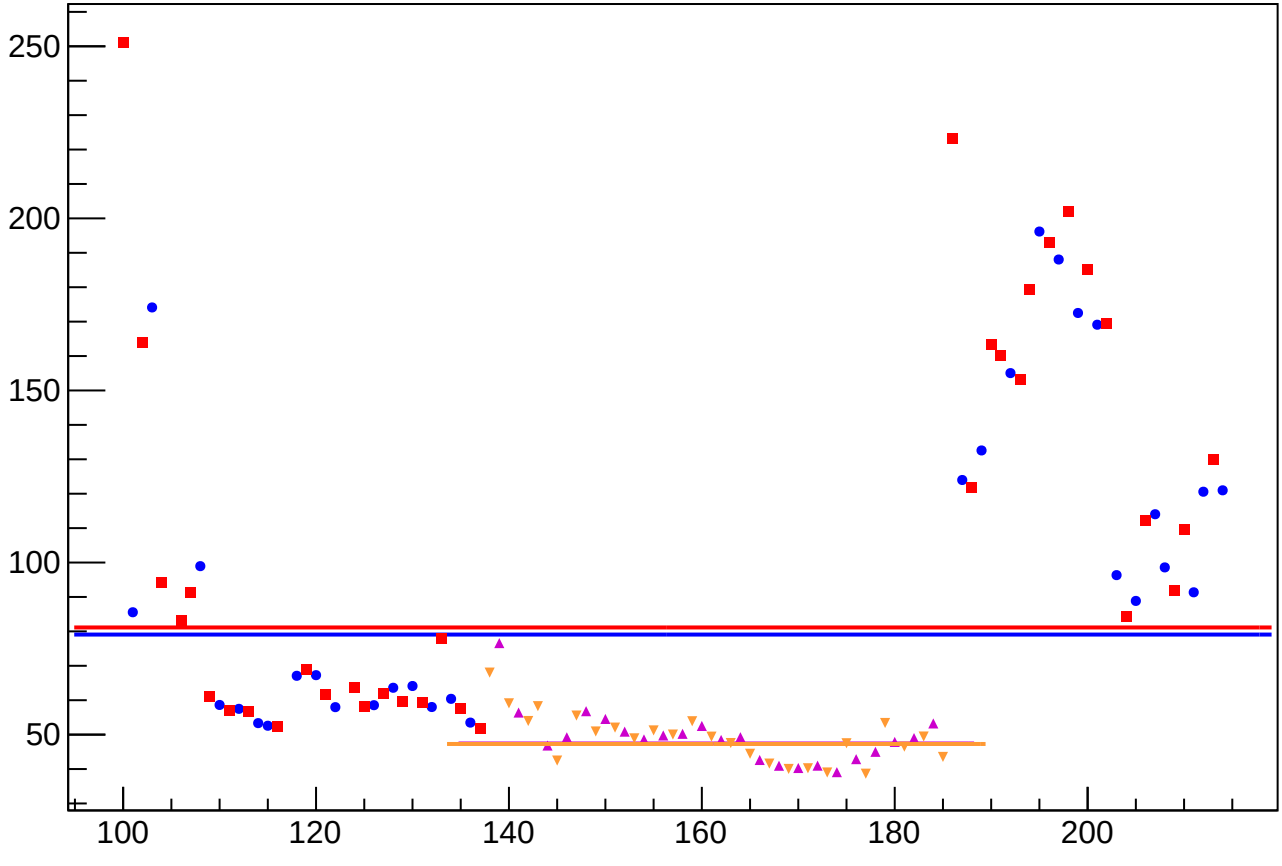
Right: 39.285+/-14.441 χ^2/NDF: 70.6/63

In: -4.450+/-9.808 χ^2/NDF:51.3/52

Out: -8.839+/-9.630 χ^2/NDF:100.5/58

All: -6.685+/-6.872 χ^2/NDF: 151.9/111

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

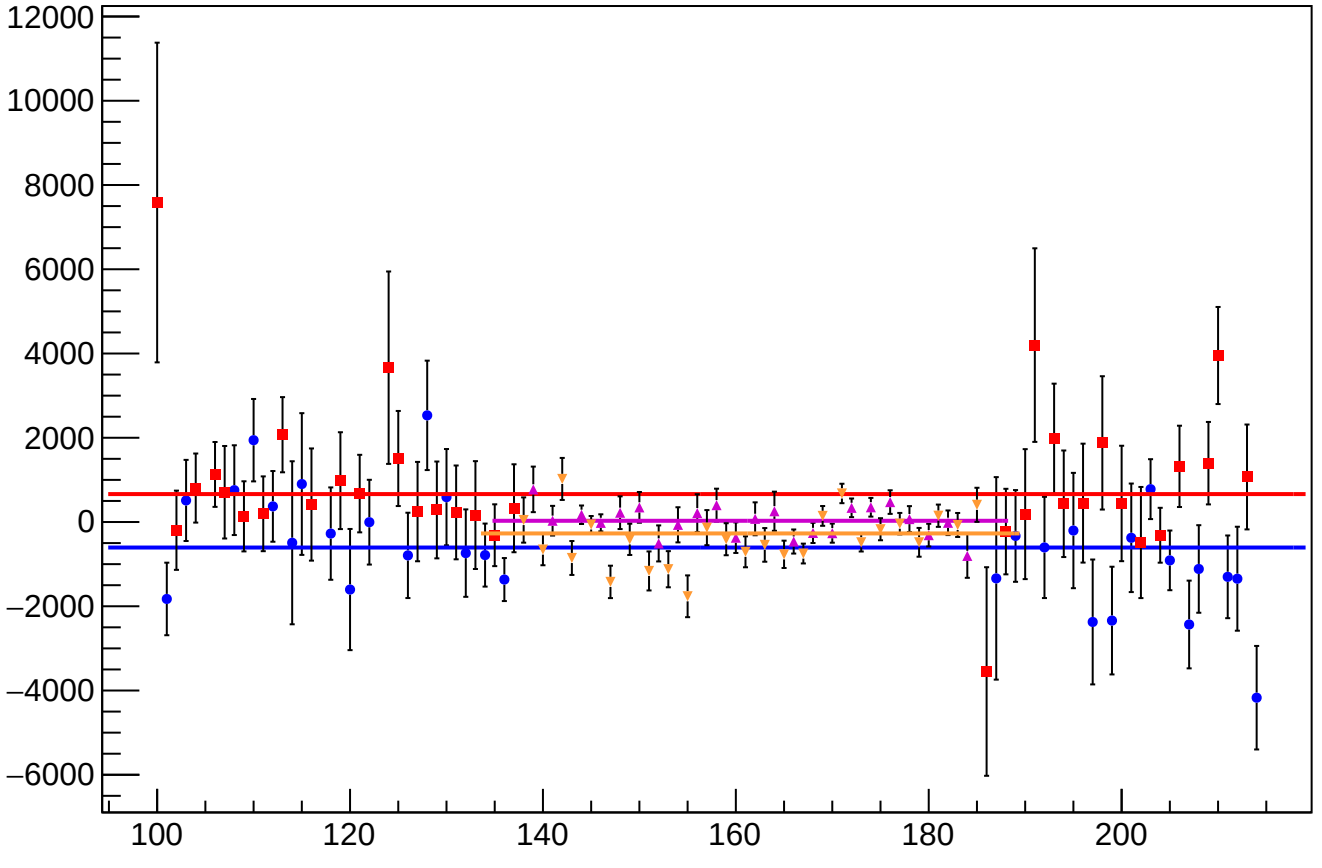
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 80.084+/-0.010 χ^2/NDF: 11509888.3/63

In: 54.881+/-0.007 χ^2/NDF:9647277.2/52

Out: 54.650+/-0.007 χ^2/NDF:11183674.2/58

All: 54.764+/-0.005 χ^2/NDF: 20831513.4/111



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

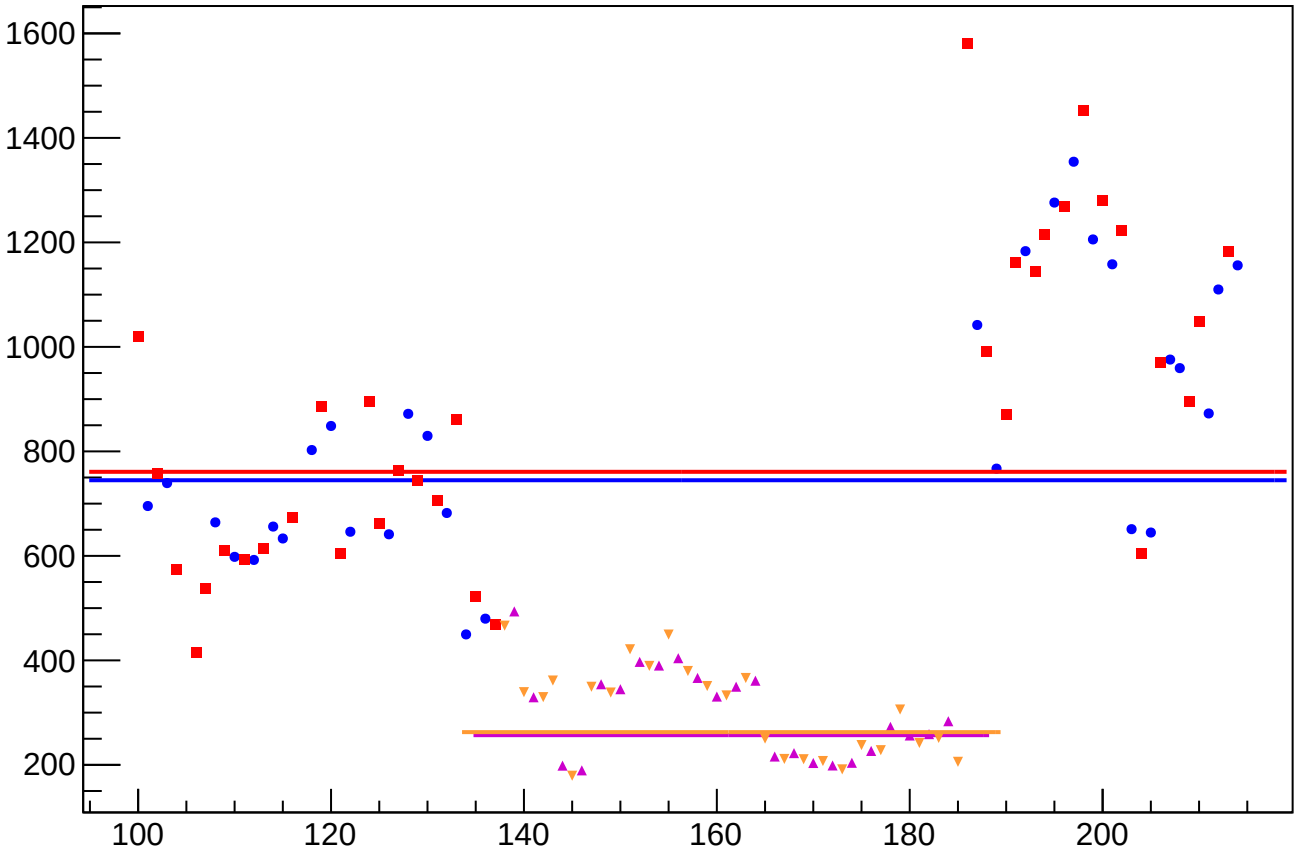
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 23.130+/-130.381 χ^2/NDF: 100.6/63

In: -37.067+/-59.310 χ^2/NDF:79.4/52

Out: -175.947+/-59.088 χ^2/NDF:129.4/58

All: -106.767+/-41.860 χ^2/NDF: 211.5/111



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

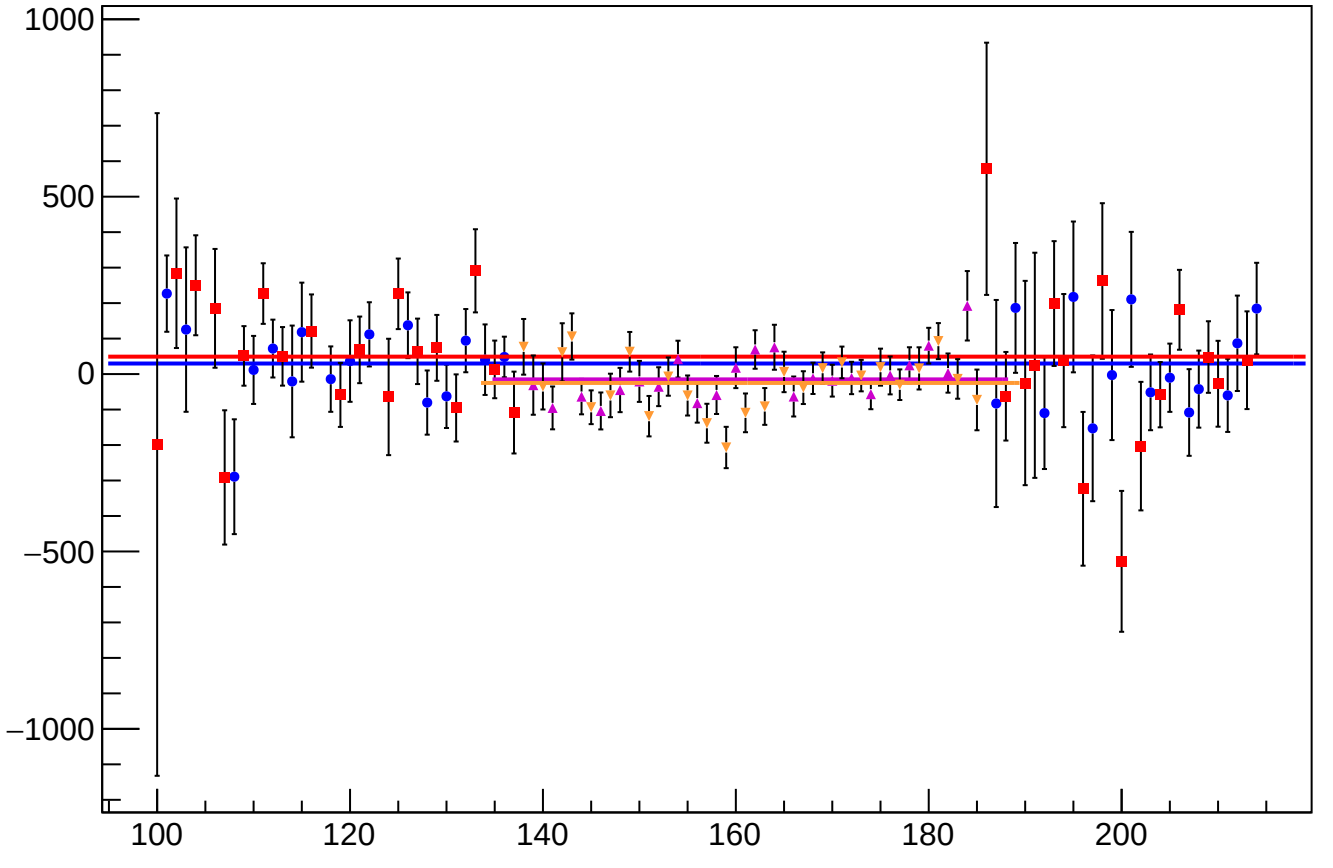
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 752.764+/-0.092 χ^2/NDF: 7075446.9/63

In: 307.770+/-0.042 χ^2/NDF:18472622.5/52

Out: 313.392+/-0.042 χ^2/NDF:19781491.7/58

All: 310.591+/-0.030 χ^2/NDF: 38263132.4/1



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

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

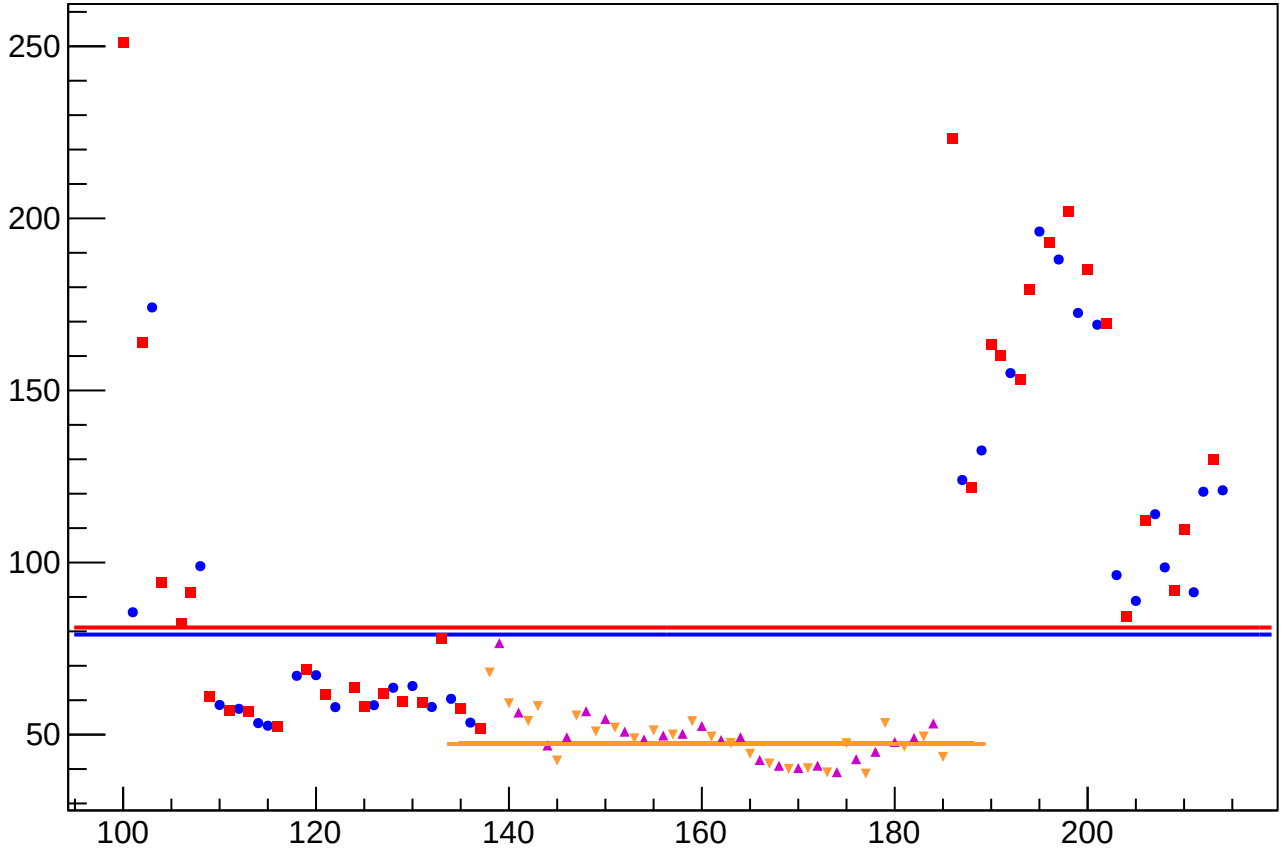
Right: 39.218+/-14.441 χ^2/NDF: 70.5/63

In: -4.451+/-9.808 χ^2/NDF:51.3/52

Out: -8.866+/-9.631 χ^2/NDF:100.4/58

All: -6.699+/-6.872 χ^2/NDF: 151.8/111

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

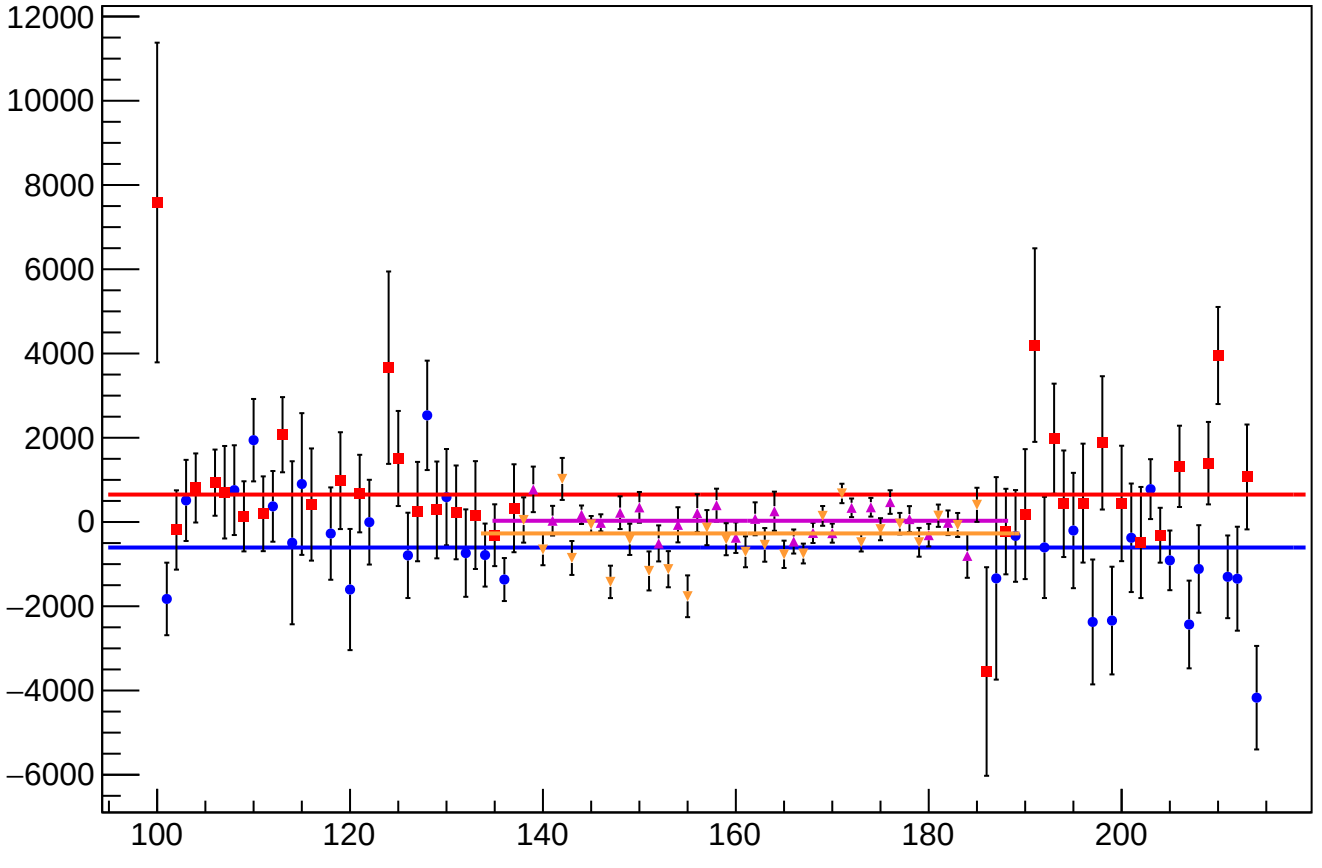
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 80.077+/-0.010 χ^2/NDF: 11509687.4/63

In: 54.881+/-0.007 χ^2/NDF:9647279.0/52

Out: 54.647+/-0.007 χ^2/NDF:11179429.4/58

All: 54.762+/-0.005 χ^2/NDF: 20827289.7/111



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

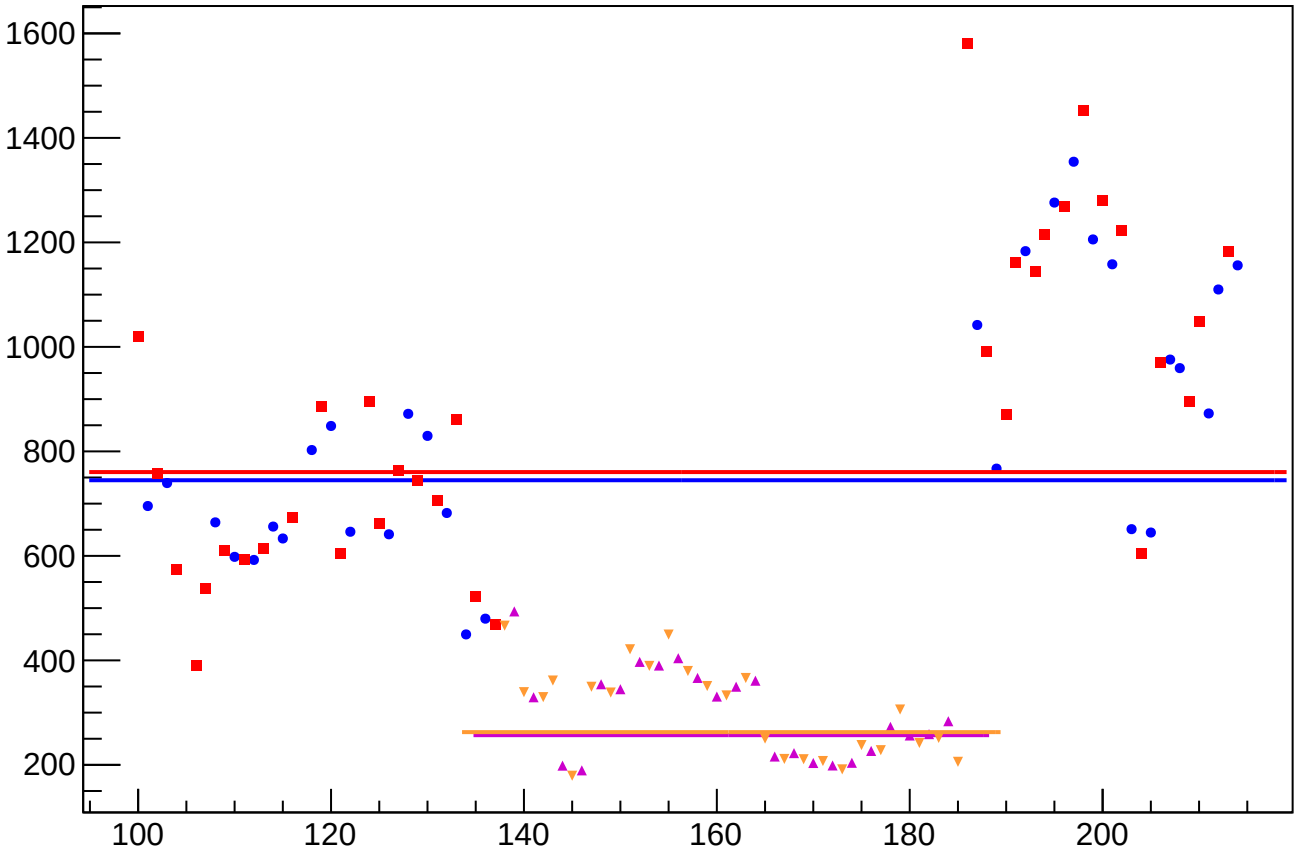
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 16.668+/-130.457 χ^2/NDF: 99.8/63

In: -37.065+/-59.310 χ^2/NDF:79.4/52

Out: -177.316+/-59.095 χ^2/NDF:128.5/58

All: -107.445+/-41.862 χ^2/NDF: 210.7/111



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

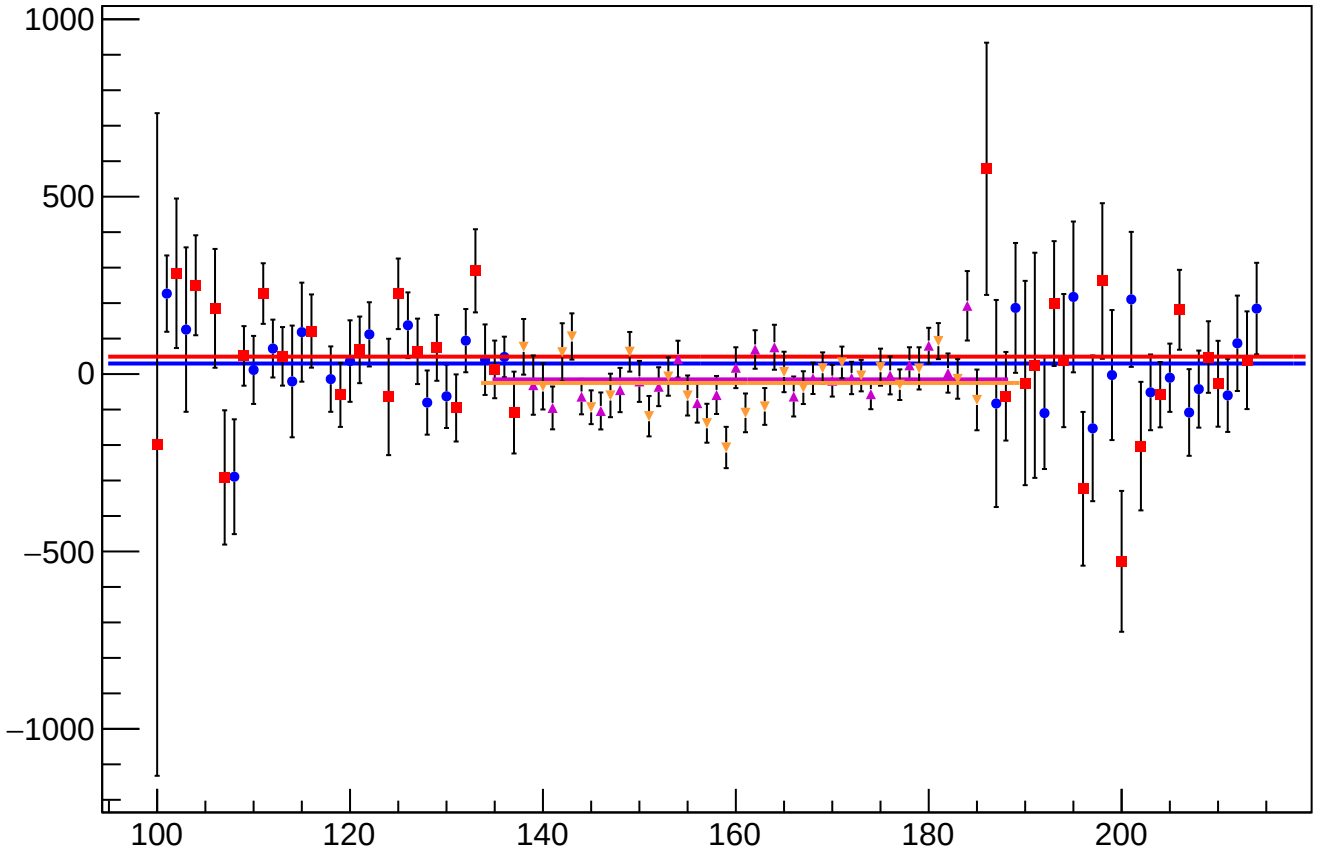
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 752.513+/-0.092 χ^2/NDF: 7113519.3/63

In: 307.770+/-0.042 χ^2/NDF:18472668.7/52

Out: 313.235+/-0.042 χ^2/NDF:19767141.7/58

All: 310.512+/-0.030 χ^2/NDF: 38248332.1/11



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

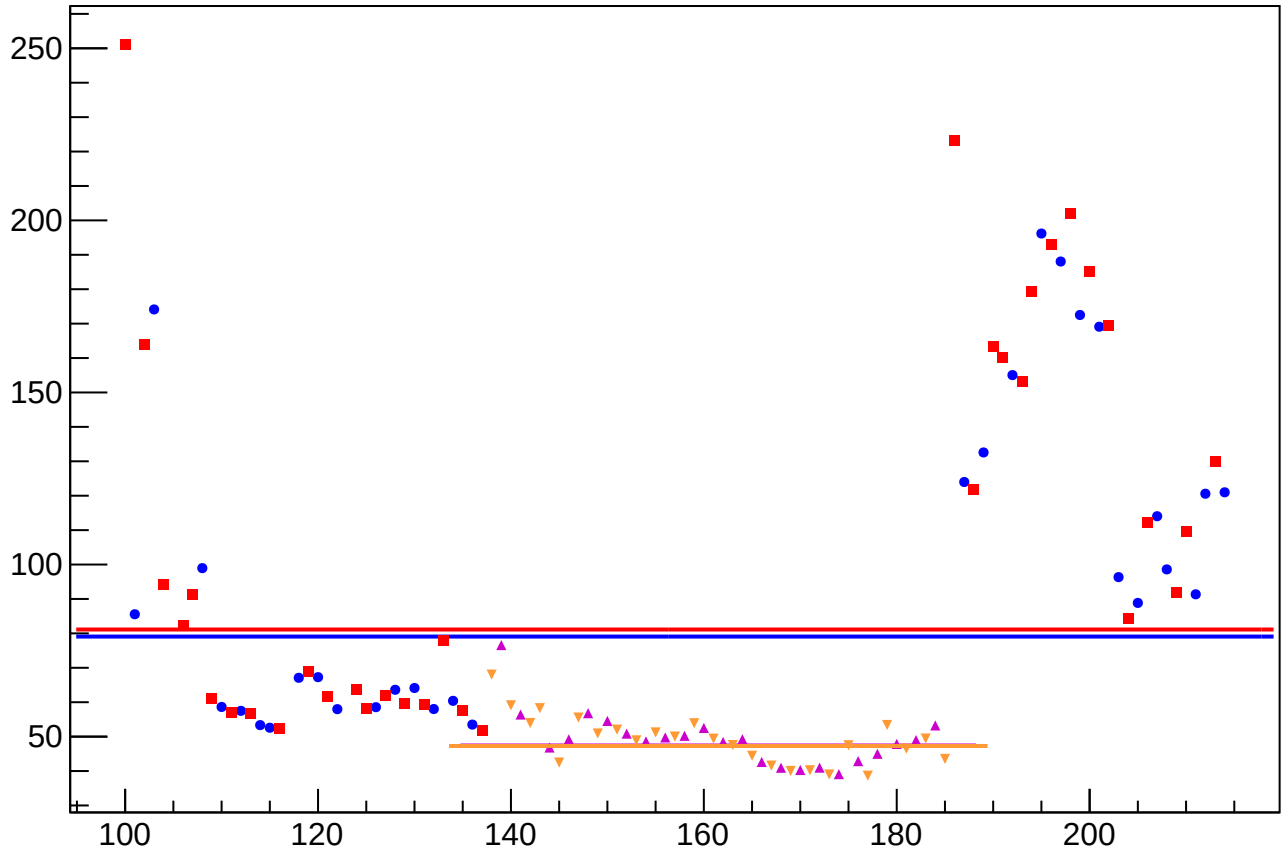
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 39.218+/-14.441 χ^2/NDF: 70.5/63

In: -4.451+/-9.808 χ^2/NDF:51.3/52

Out: -8.866+/-9.631 χ^2/NDF:100.4/58

All: -6.699+/-6.872 χ^2/NDF: 151.8/111



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

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

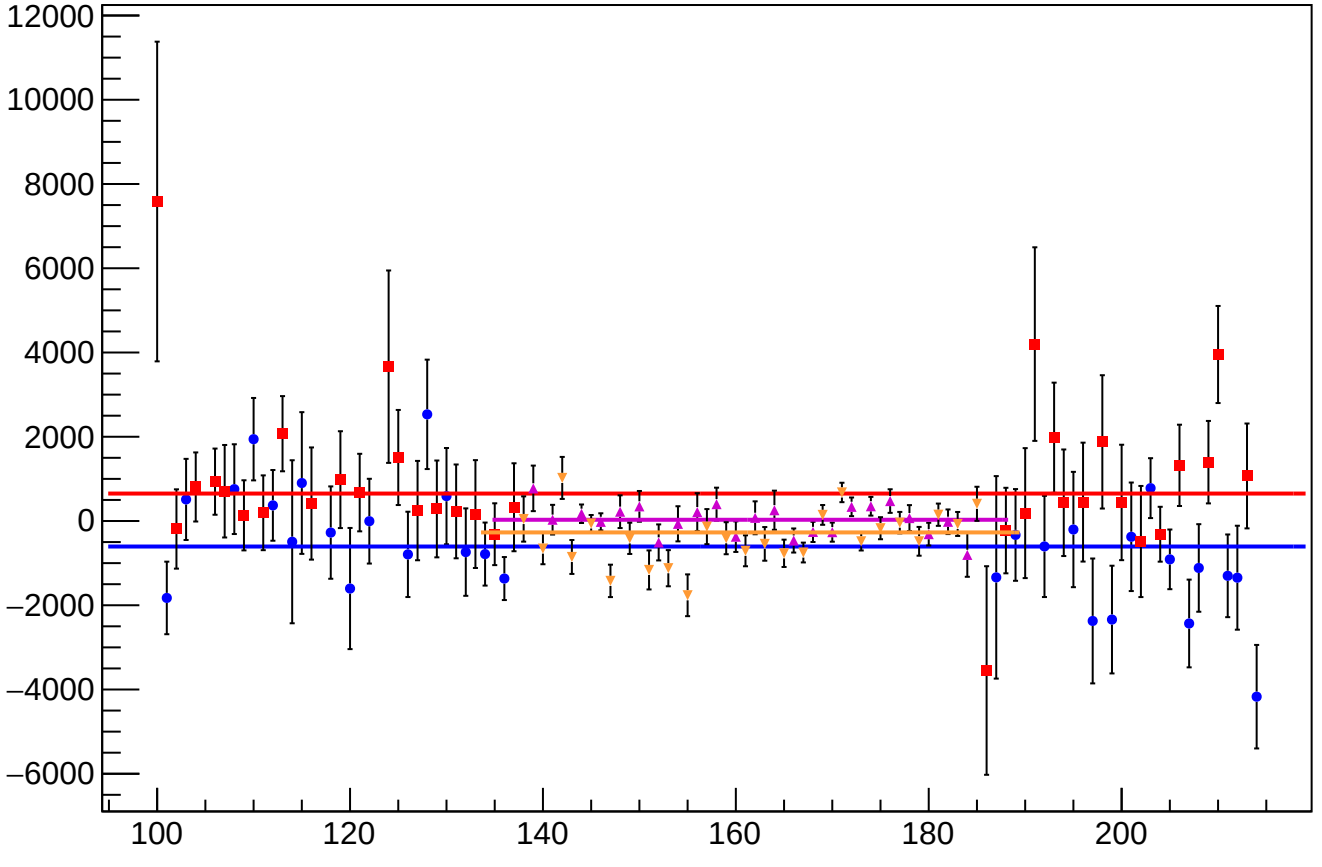
Right: 80.077+/-0.010 χ^2/NDF: 11509687.4/63

In: 54.881+/-0.007 χ^2/NDF:9647279.0/52

Out: 54.647+/-0.007 χ^2/NDF:11179429.4/58

All: 54.762+/-0.005 χ^2/NDF: 20827289.7/111

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

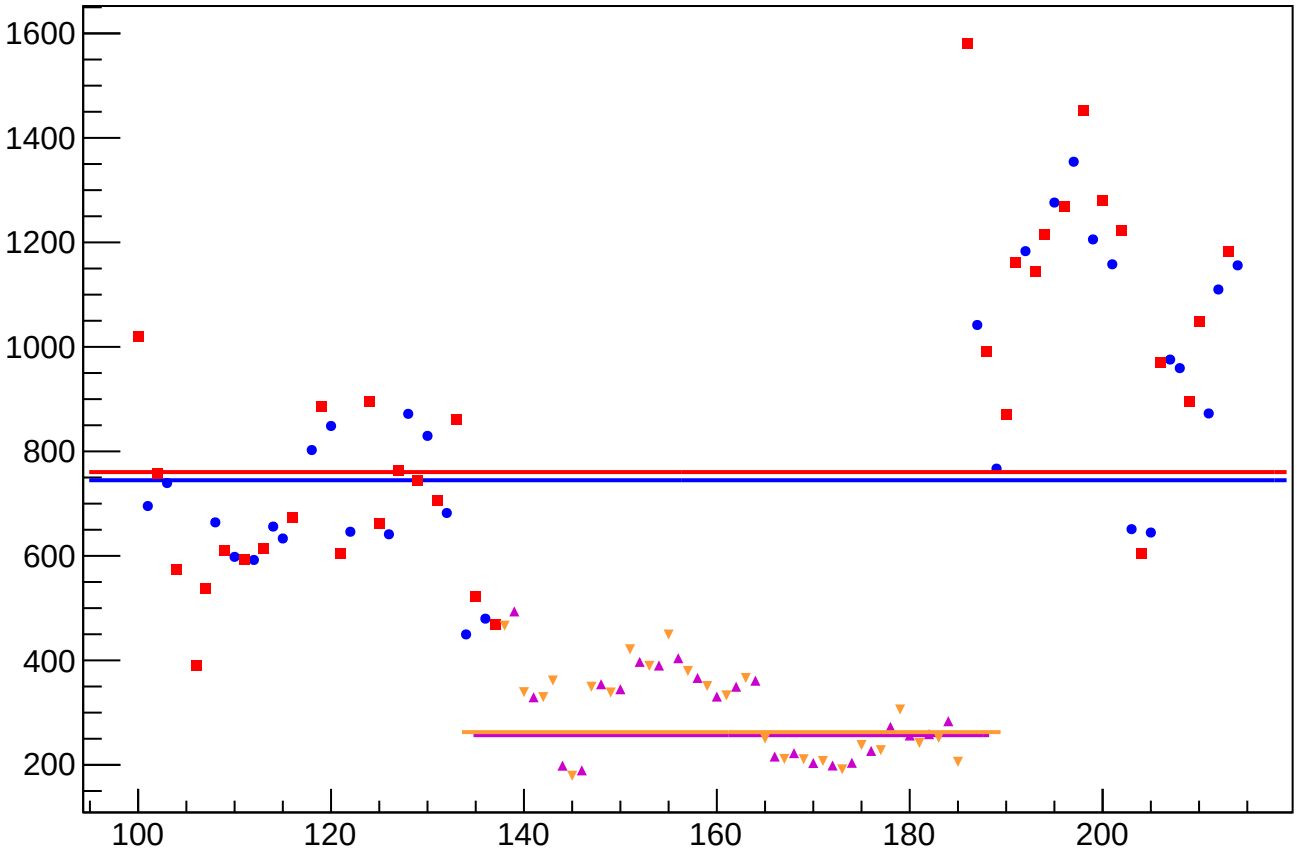
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 16.668+/-130.457 χ^2/NDF: 99.8/63

In: -37.065+/-59.310 χ^2/NDF:79.4/52

Out: -177.316+/-59.095 χ^2/NDF:128.5/58

All: -107.445+/-41.862 χ^2/NDF: 210.7/111



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

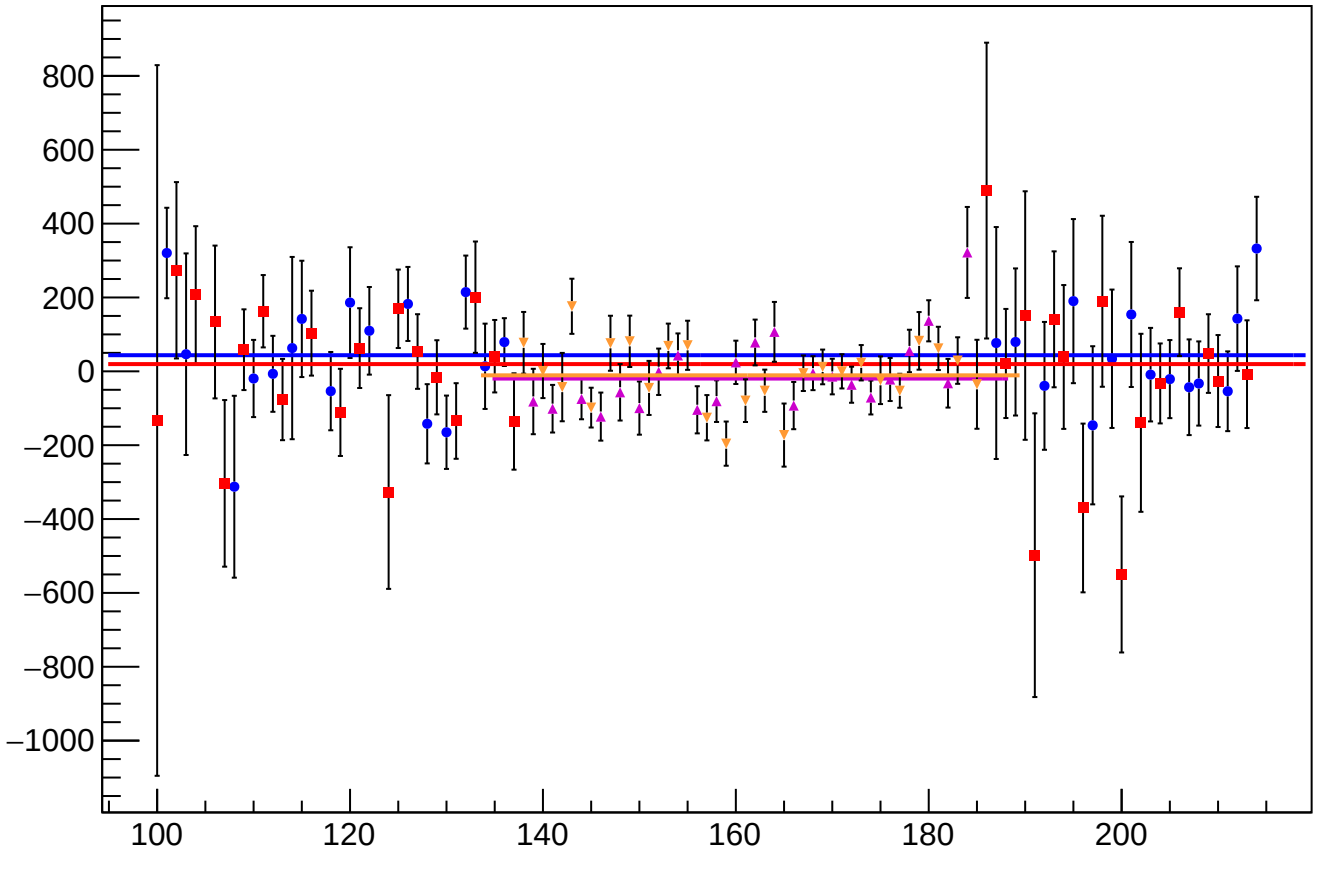
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 752.513+/-0.092 χ^2/NDF: 7113519.3/63

In: 307.770+/-0.042 χ^2/NDF:18472668.7/52

Out: 313.235+/-0.042 χ^2/NDF:19767141.7/58

All: 310.512+/-0.030 χ^2/NDF: 38248332.1/11



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

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

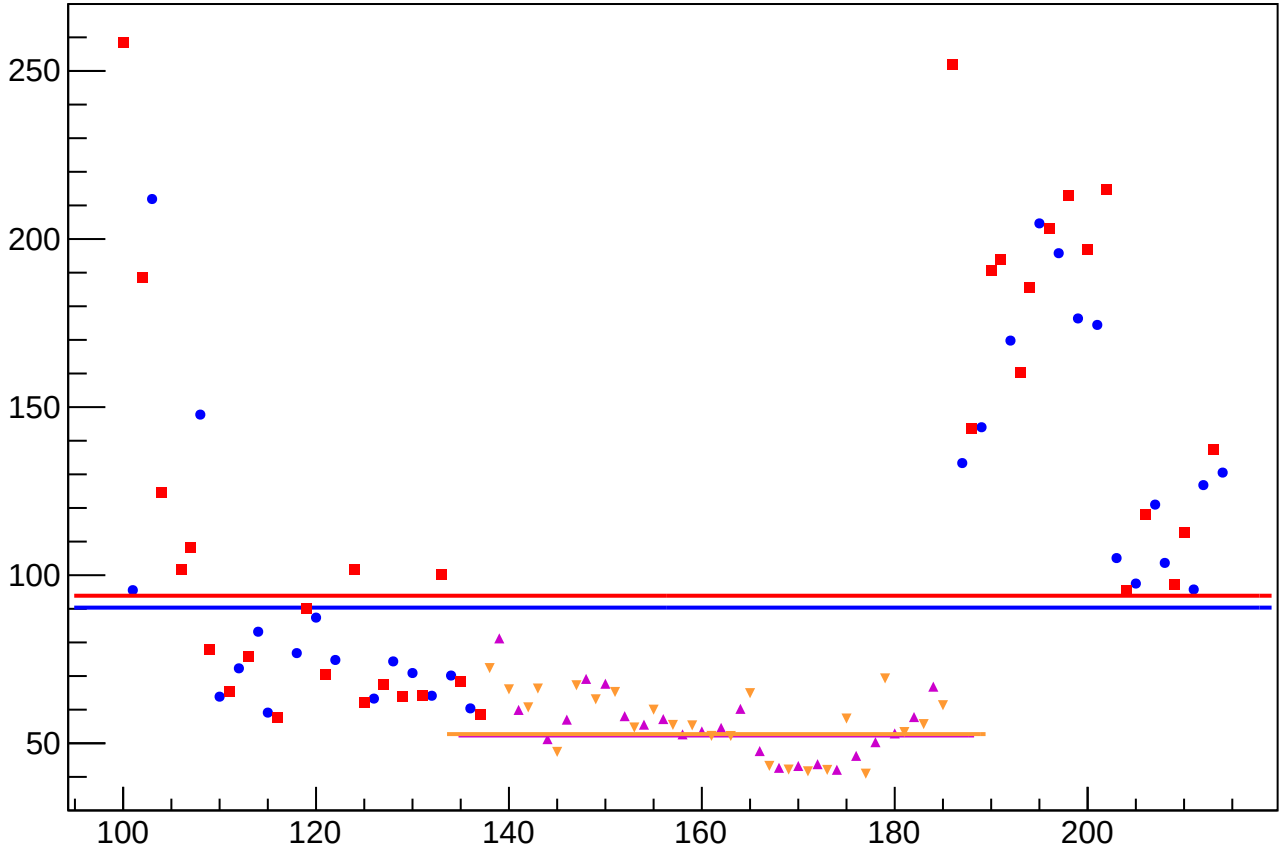
Right: 32.074+/-16.573 χ^2/NDF: 67.7/63

In: -5.111+/-11.016 χ^2/NDF:74.3/52

Out: -4.439+/-10.939 χ^2/NDF:77.1/58

All: -4.772+/-7.762 χ^2/NDF: 151.4/111

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

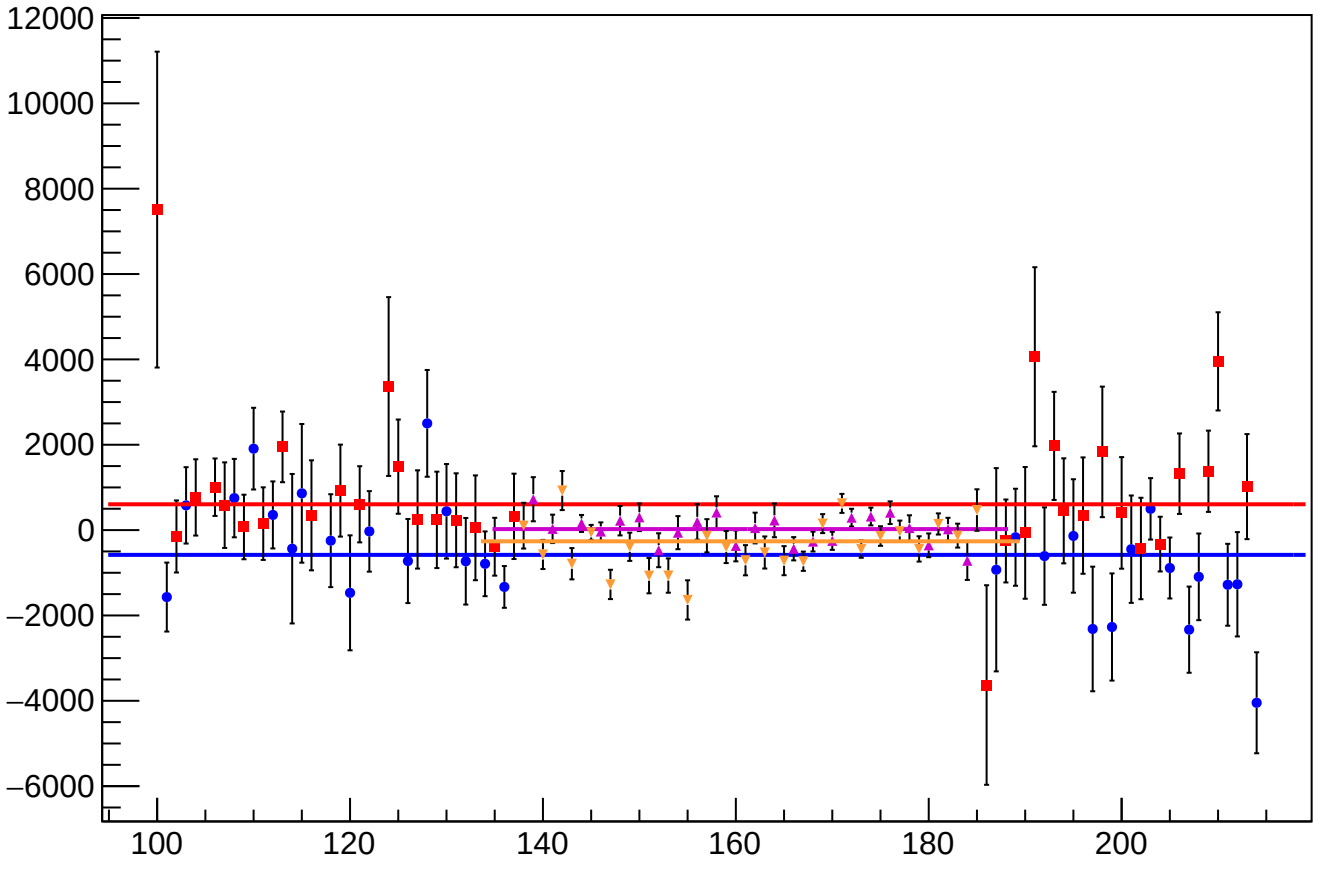
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 92.060+/-0.012 χ^2/NDF: 10420132.2/63

In: 61.026+/-0.008 χ^2/NDF:9731647.4/52

Out: 61.367+/-0.008 χ^2/NDF:11631228.5/58

All: 61.198+/-0.005 χ^2/NDF: 21363839.3/111



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

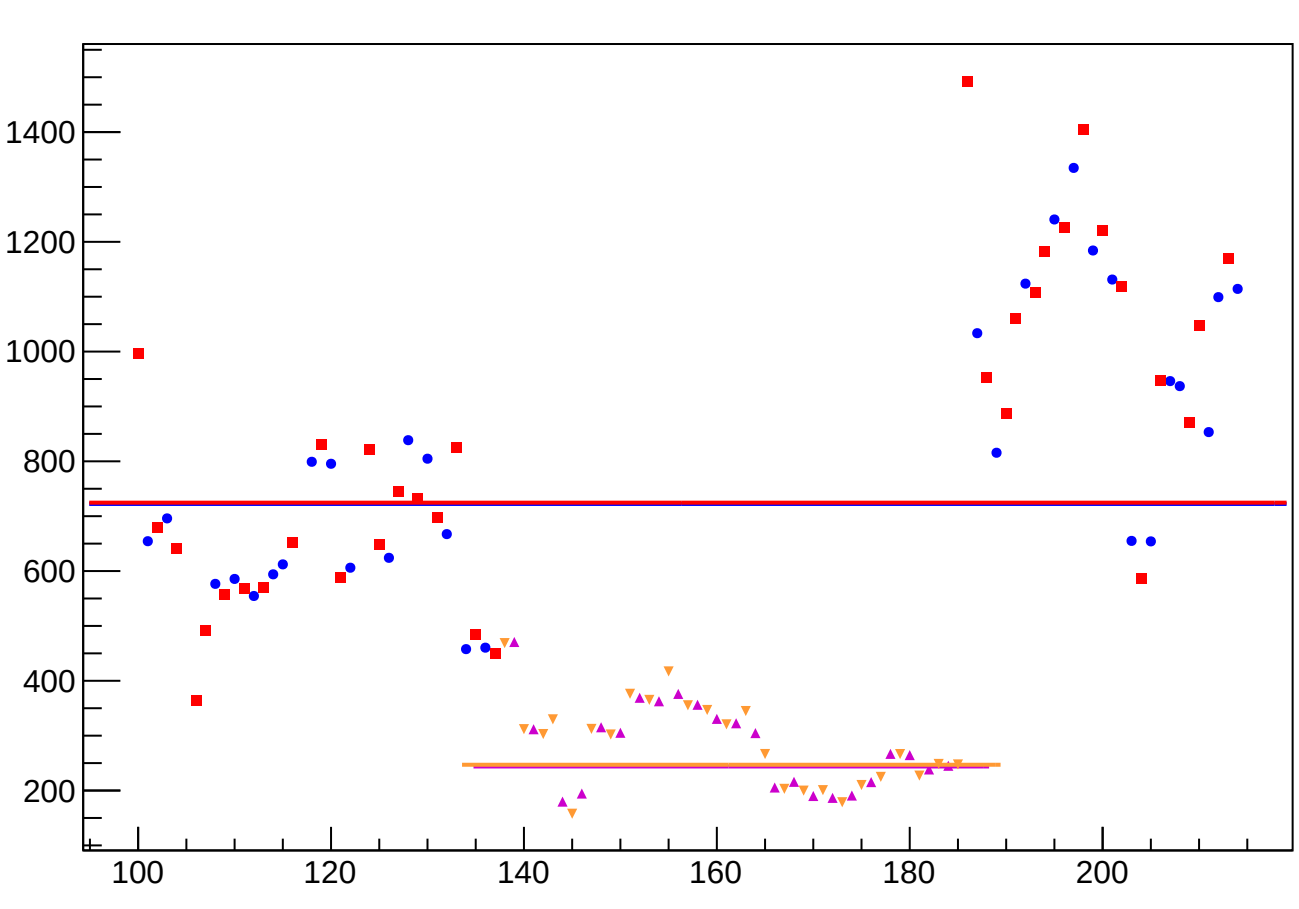
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 15.992+/-125.393 χ^2/NDF: 100.4/63

In: -37.112+/-56.339 χ^2/NDF:77.7/52

Out: -176.942+/-55.539 χ^2/NDF:128.8/58

All: -108.027+/-39.552 χ^2/NDF: 209.6/111



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

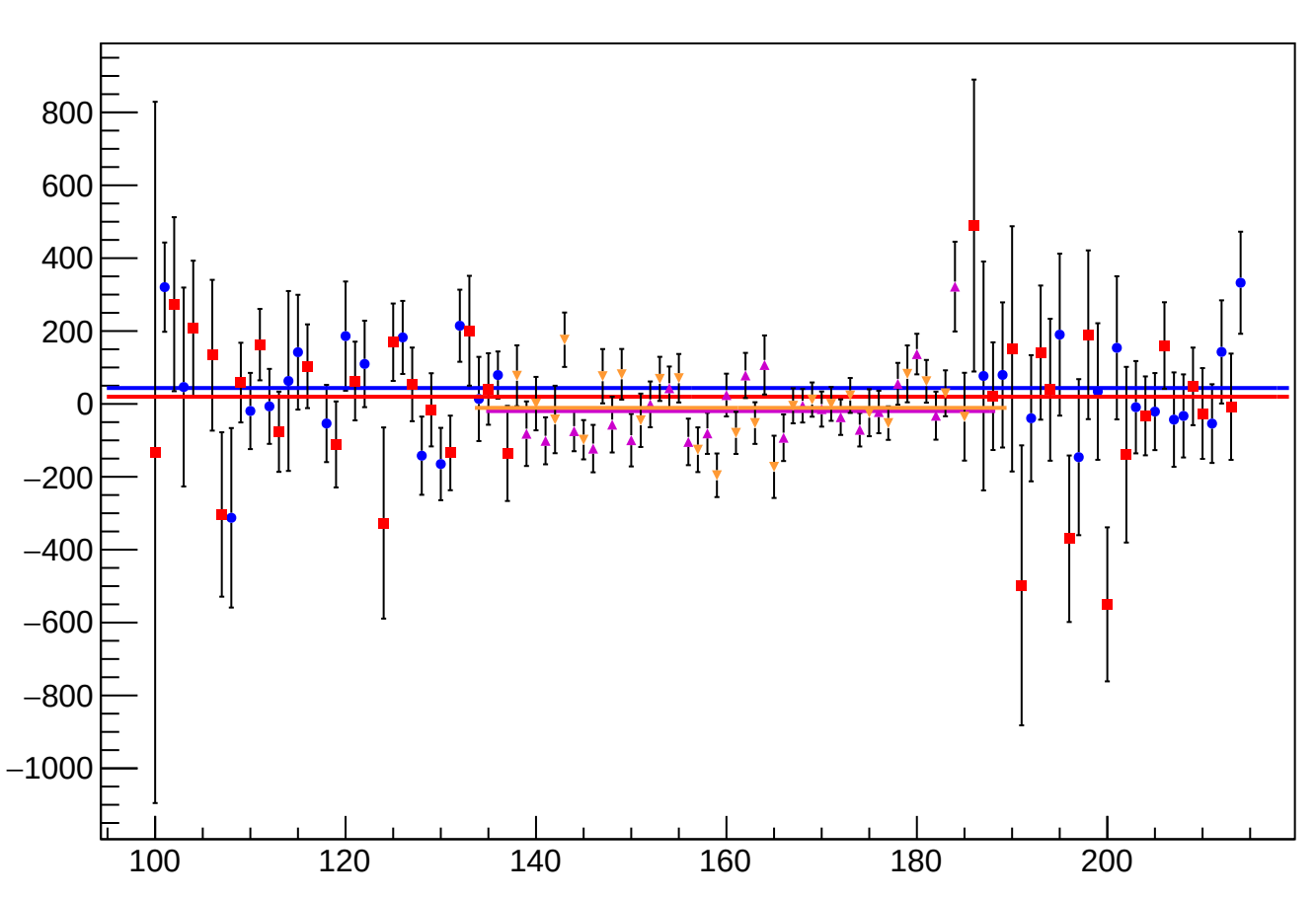
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 723.474+/-0.089 χ^2/NDF: 7402326.1/63

In: 291.816+/-0.040 χ^2/NDF:18746221.3/52

Out: 294.141+/-0.039 χ^2/NDF:20249230.1/58

All: 292.995+/-0.028 χ^2/NDF: 38997177.9/11



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

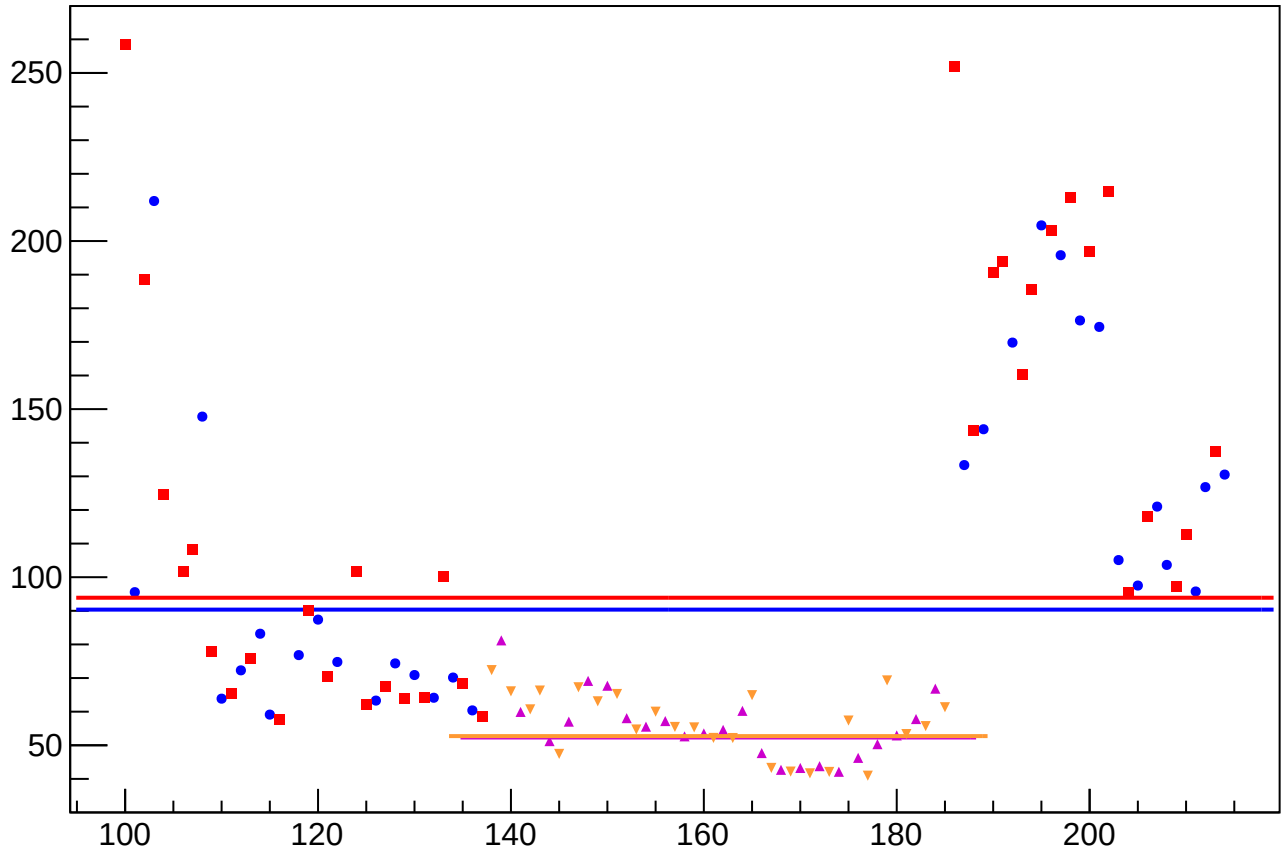
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 32.074+/-16.573 χ^2/NDF: 67.7/63

In: -5.111+/-11.016 χ^2/NDF:74.3/52

Out: -4.438+/-10.939 χ^2/NDF:77.1/58

All: -4.772+/-7.762 χ^2/NDF: 151.4/111



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

Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

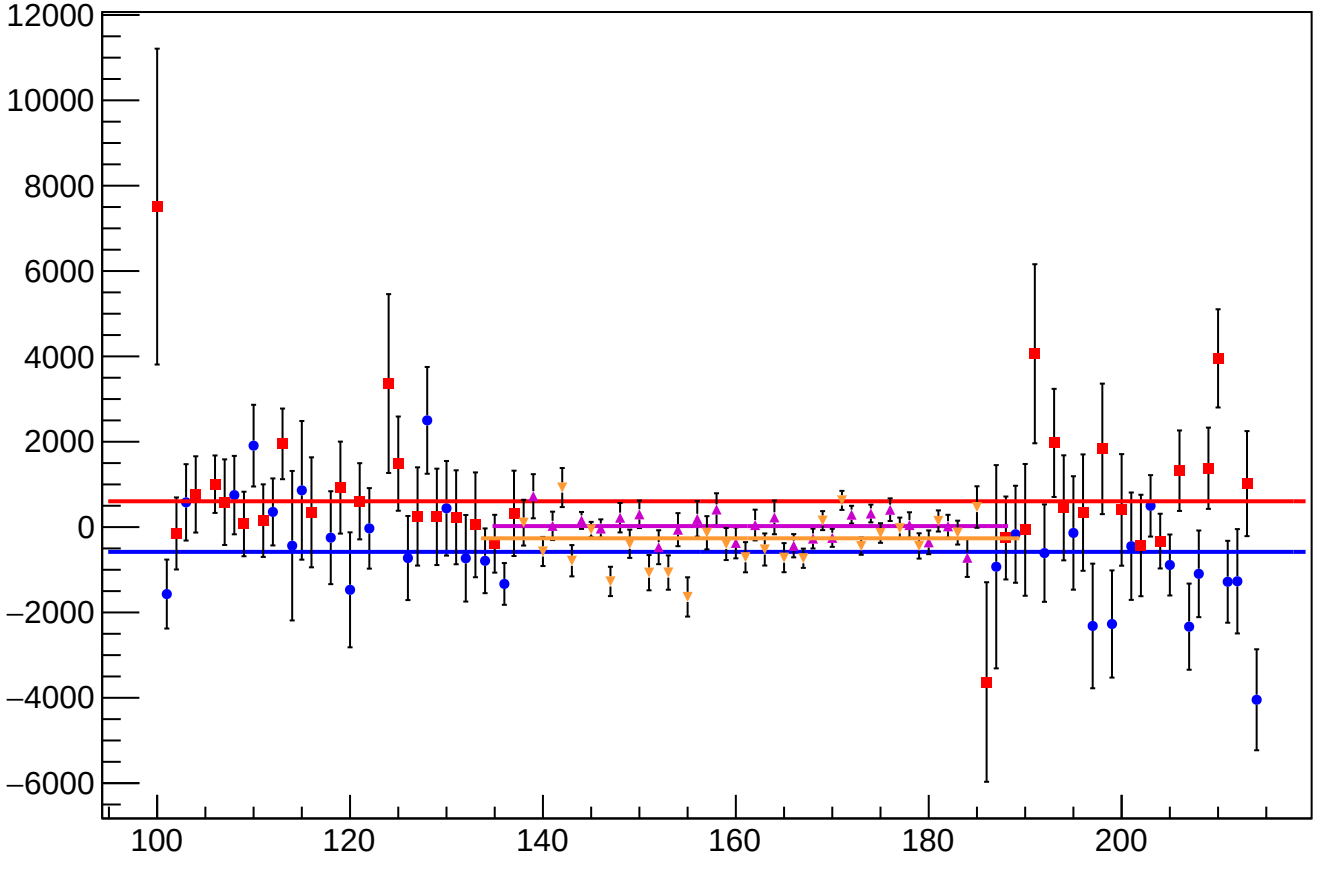
Right: 92.060+/-0.012 χ^2/NDF: 10420168.9/63

In: 61.026+/-0.008 χ^2/NDF:9731647.1/52

Out: 61.367+/-0.008 χ^2/NDF:11631228.4/58

All: 61.198+/-0.005 χ^2/NDF: 21363839.0/111

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

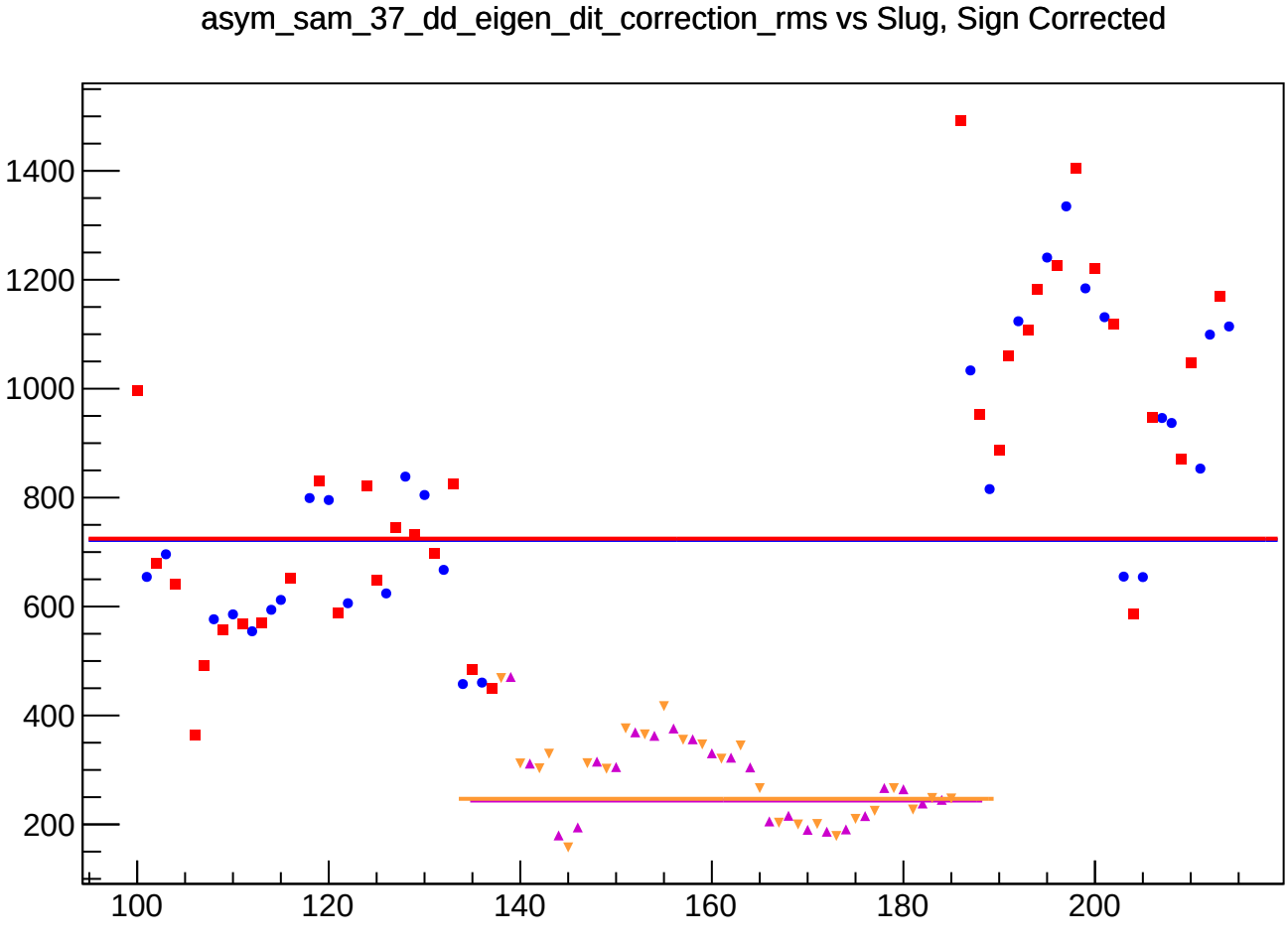
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 15.992+/-125.393 χ^2/NDF: 100.4/63

In: -37.112+/-56.339 χ^2/NDF:77.7/52

Out: -176.942+/-55.539 χ^2/NDF:128.8/58

All: -108.028+/-39.552 χ^2/NDF: 209.6/111



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

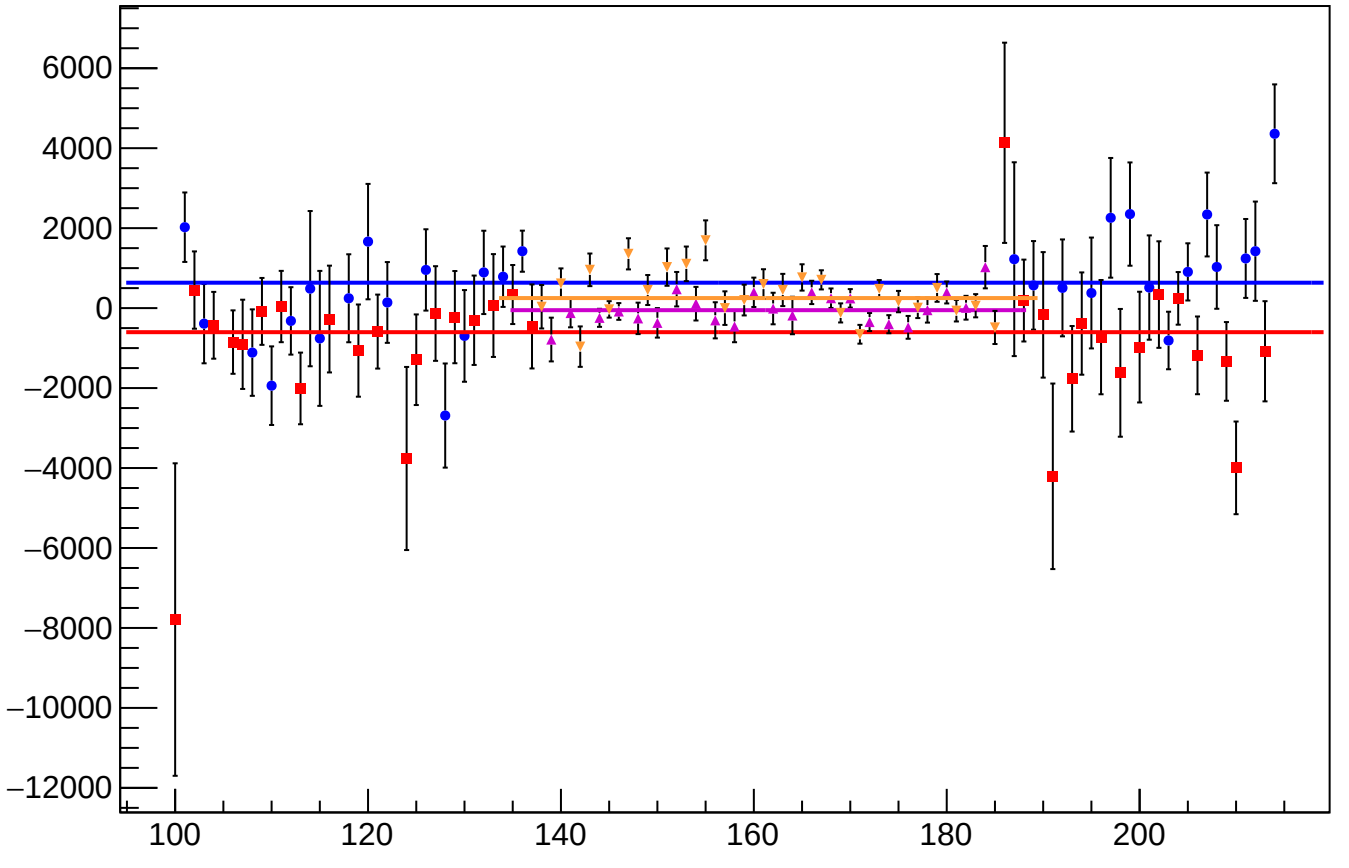
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 723.473+/-0.089 χ^2/NDF: 7402300.7/63

In: 291.816+/-0.040 χ^2/NDF:18746222.7/52

Out: 294.141+/-0.039 χ^2/NDF:20249210.7/58

All: 292.995+/-0.028 χ^2/NDF: 38997160.1/11



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

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

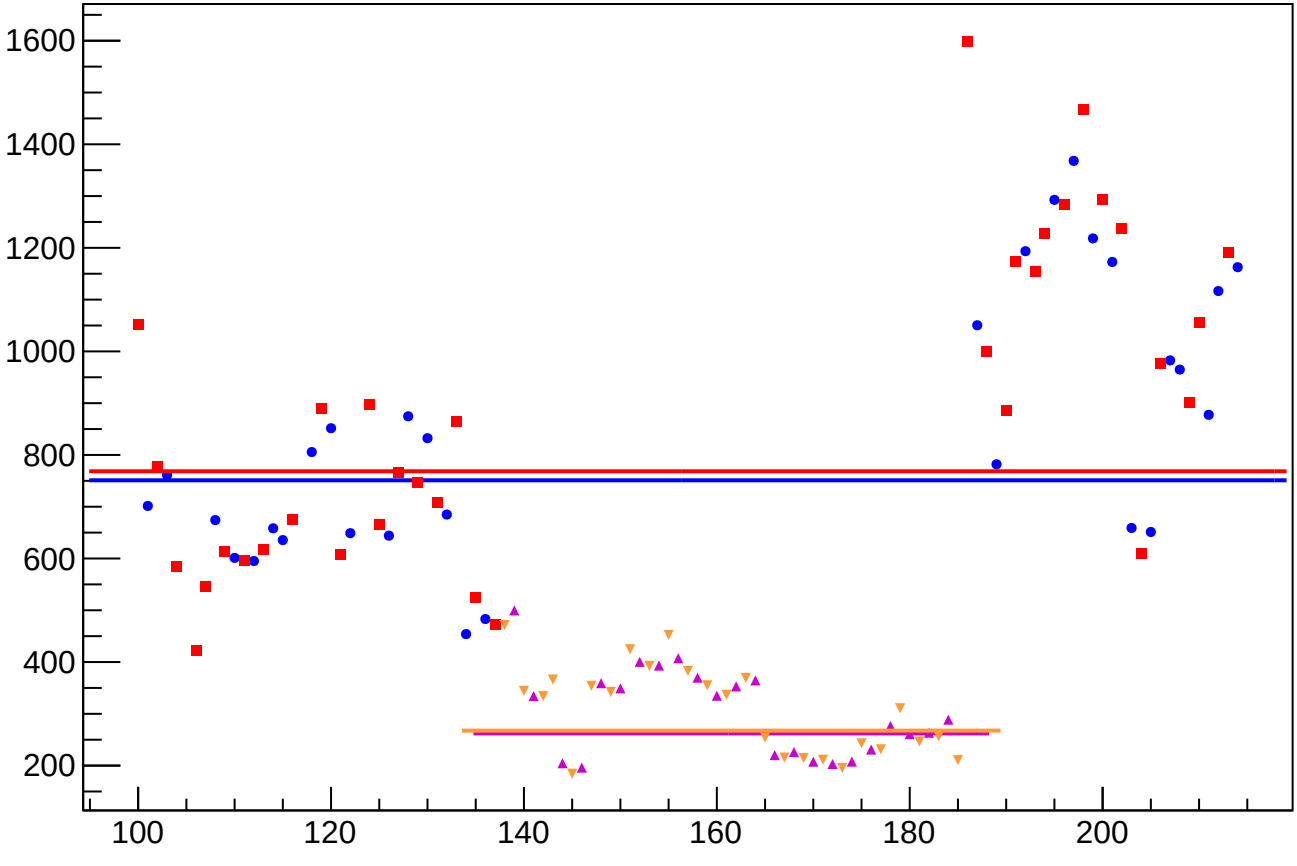
Right: 22.963+/-131.573 χ^2/NDF: 101.0/63

In: 21.315+/-60.355 χ^2/NDF:85.4/52

Out: 163.120+/-60.064 χ^2/NDF:118.8/58

All: 92.560+/-42.574 χ^2/NDF: 207.0/111

asym_sam_37_dd_rms vs Slug, Sign Corrected



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

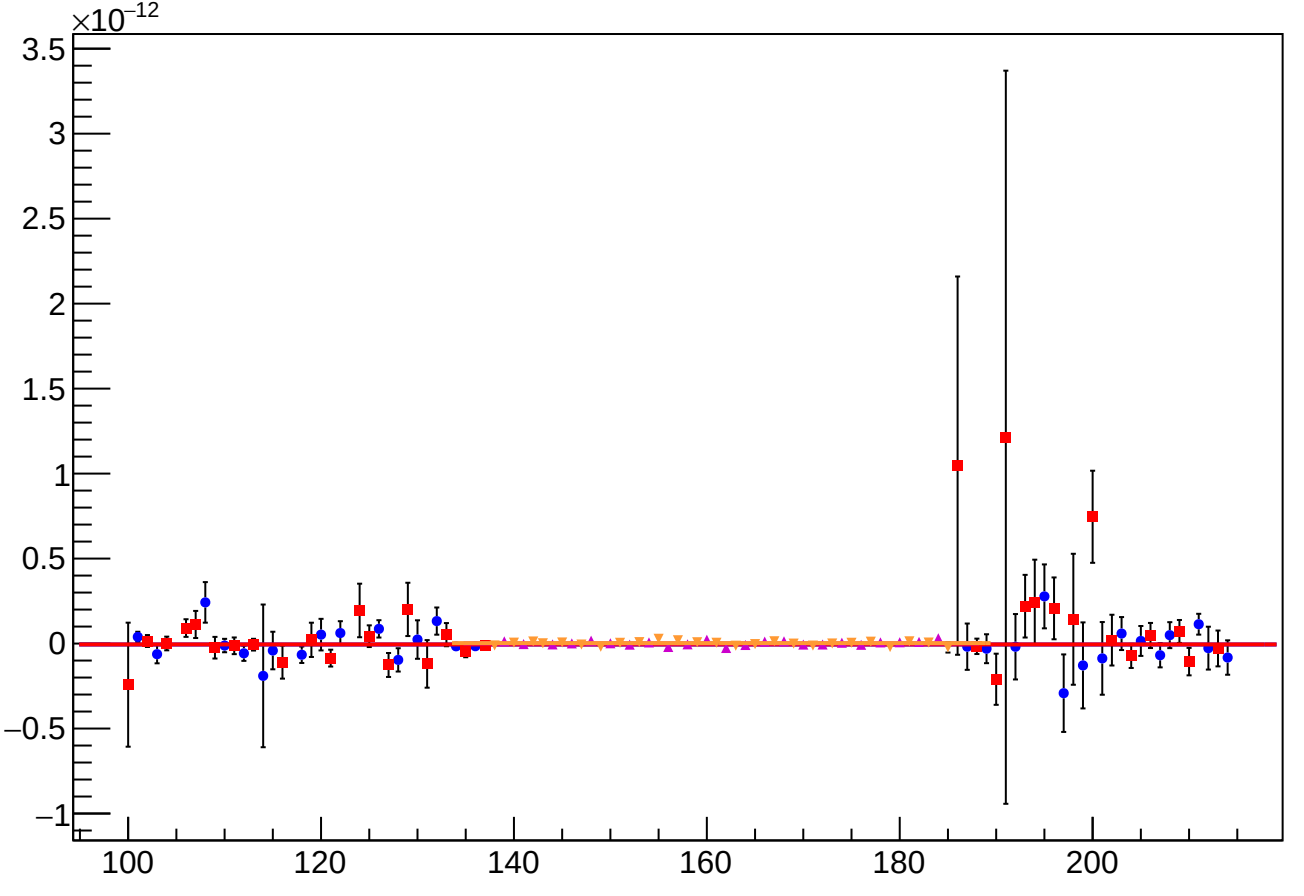
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 759.645+/-0.093 χ^2/NDF: 7065654.9/63

In: 314.057+/-0.043 χ^2/NDF:18191289.2/52

Out: 319.246+/-0.042 χ^2/NDF:19535168.5/58

All: 316.664+/-0.030 χ^2/NDF: 37733884.2/11



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

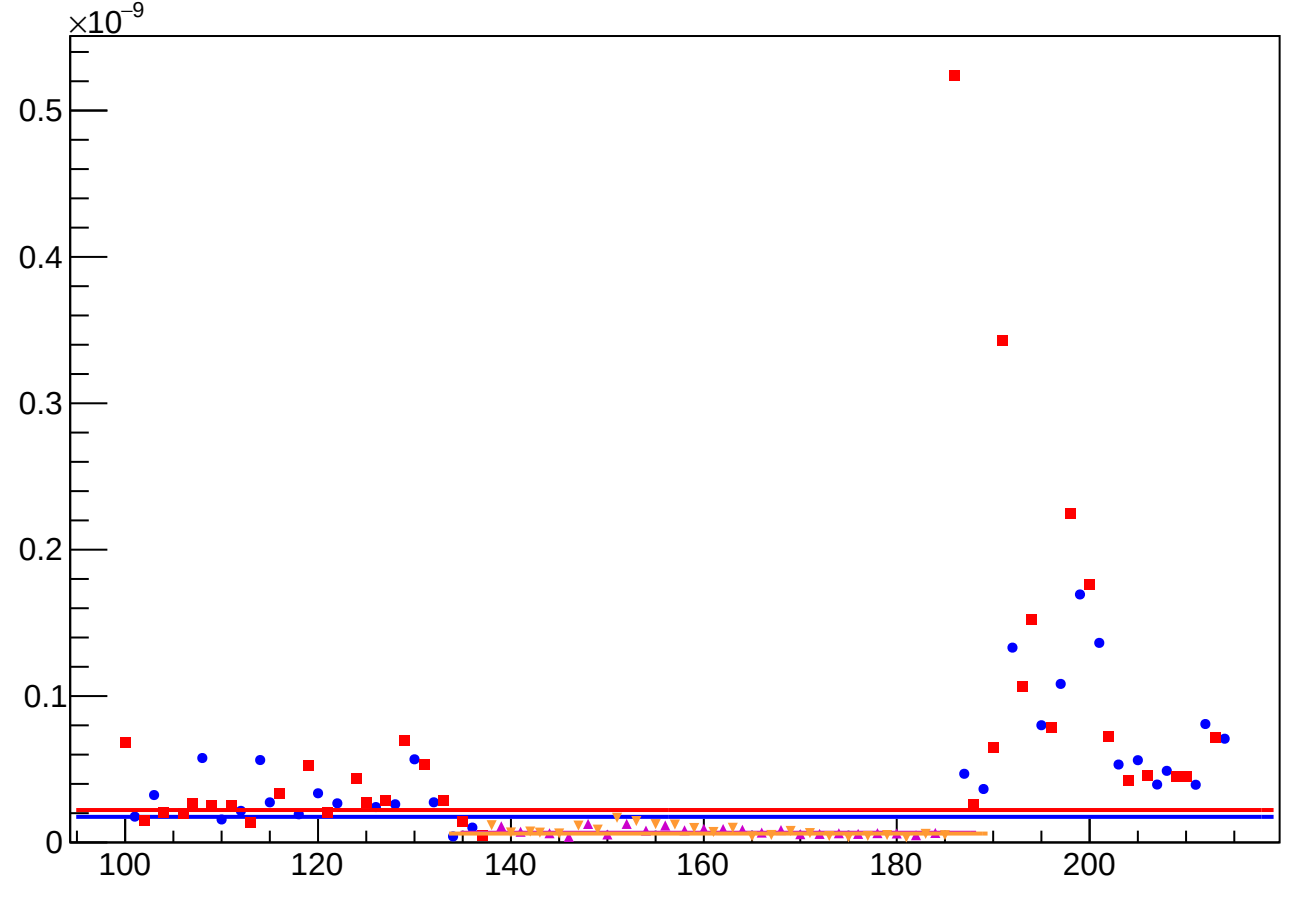
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 70.7/63

In: 0.000+/-0.000 χ^2/NDF:44.3/52

Out: 0.000+/-0.000 χ^2/NDF:54.9/58

All: 0.000+/-0.000 χ^2/NDF: 99.4/111



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

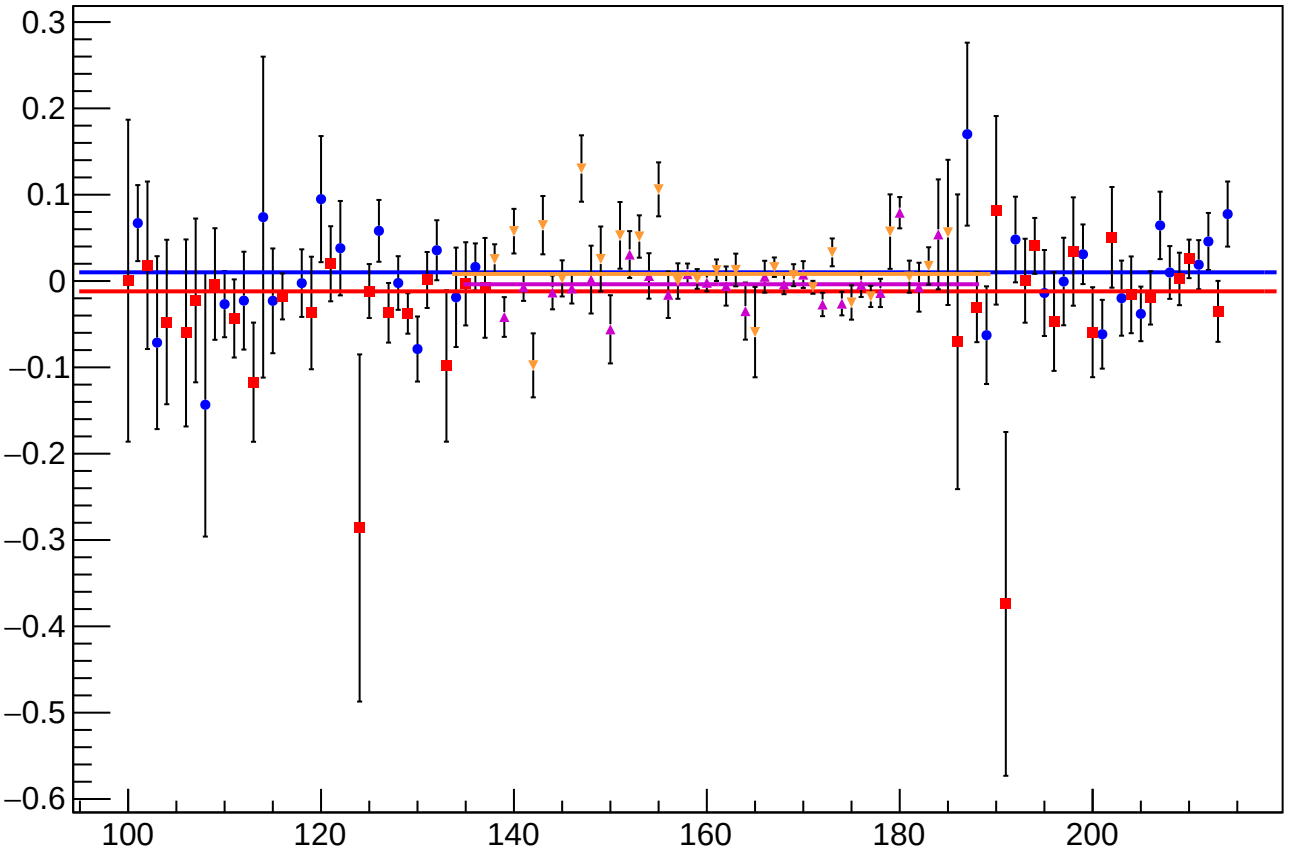
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 14467962.1/63

In: 0.000+/-0.000 χ^2/NDF:11734269.9/52

Out: 0.000+/-0.000 χ^2/NDF:13269981.6/58

All: 0.000+/-0.000 χ^2/NDF: 25069144.9/111



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

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

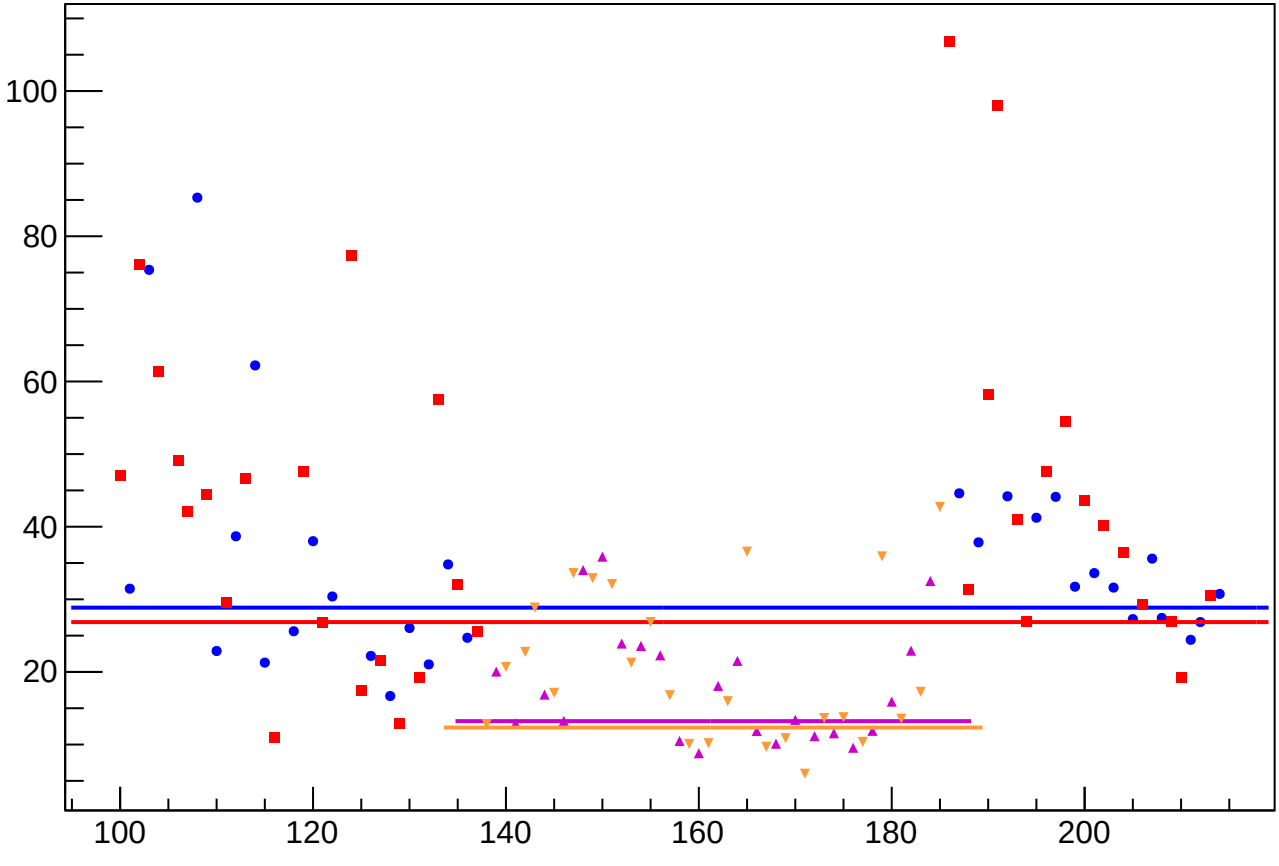
Right: -0.001+/-0.005 χ^2/NDF: 59.3/63

In: -0.001+/-0.003 χ^2/NDF:72.6/52

Out: 0.005+/-0.003 χ^2/NDF:87.1/58

All: 0.002+/-0.002 χ^2/NDF: 161.4/111

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

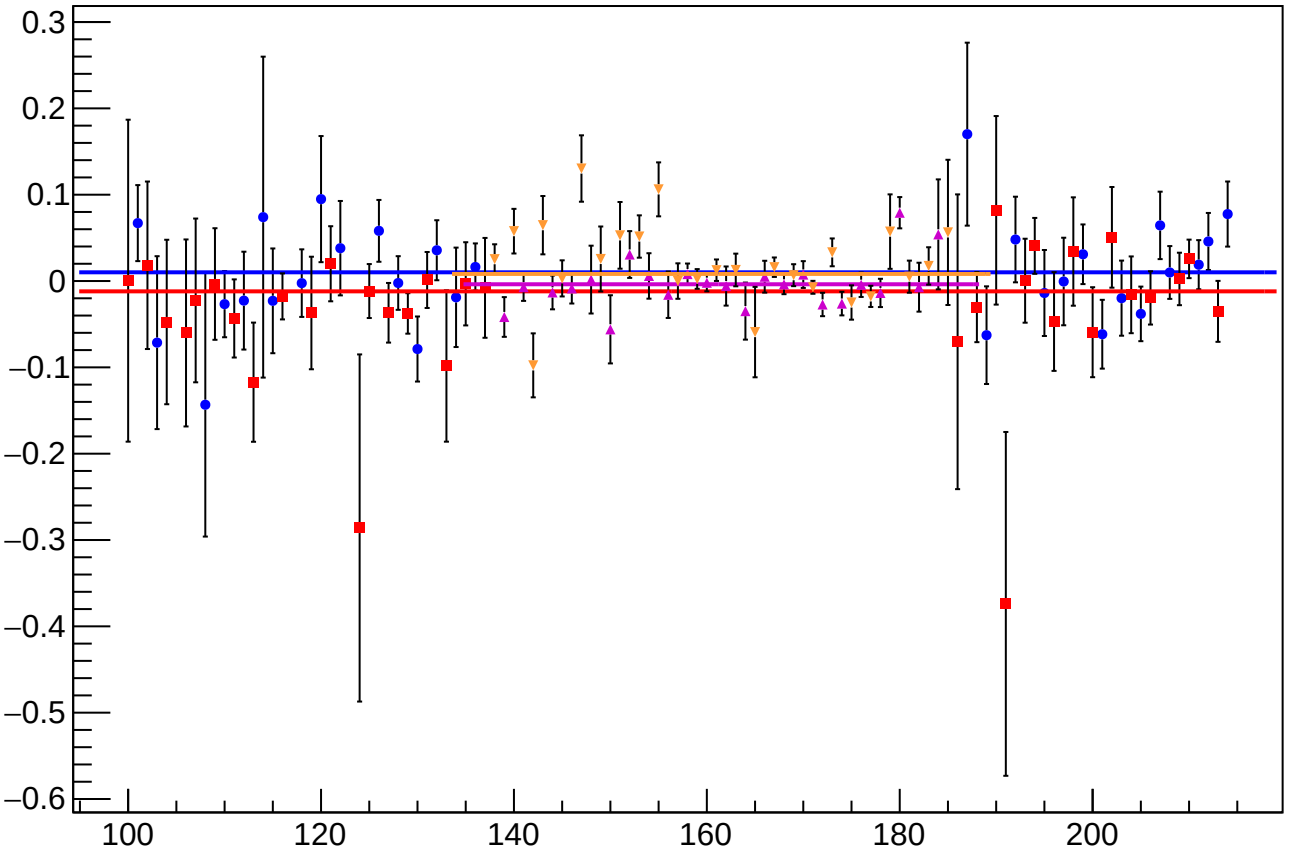
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.846+/-0.004 χ^2/NDF: 8346416.2/63

In: 16.130+/-0.002 χ^2/NDF:13039547.6/52

Out: 14.895+/-0.002 χ^2/NDF:18945643.8/58

All: 15.485+/-0.002 χ^2/NDF: 32133491.9/111



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

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

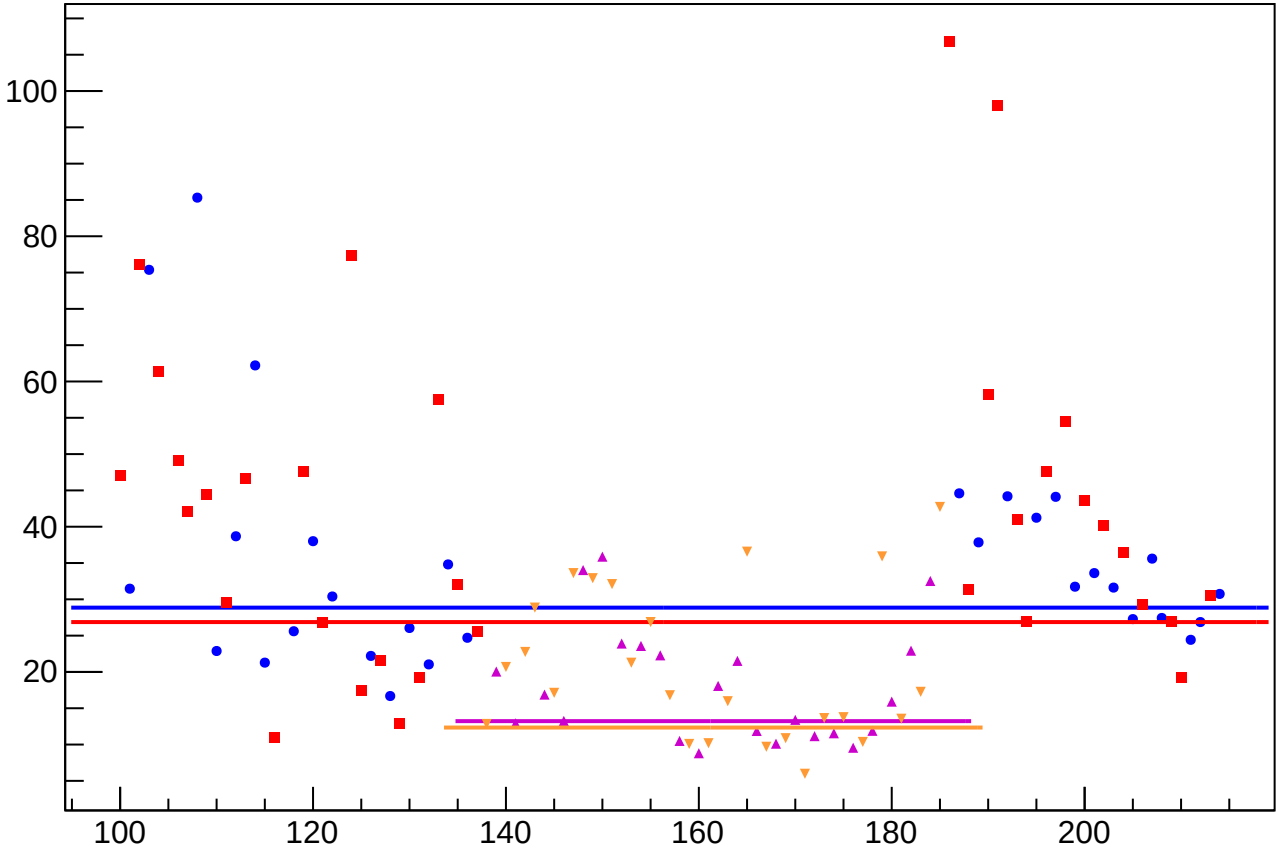
Right: -0.001+/-0.005 χ^2/NDF: 59.3/63

In: -0.001+/-0.003 χ^2/NDF:72.6/52

Out: 0.005+/-0.003 χ^2/NDF:87.1/58

All: 0.002+/-0.002 χ^2/NDF: 161.4/111

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

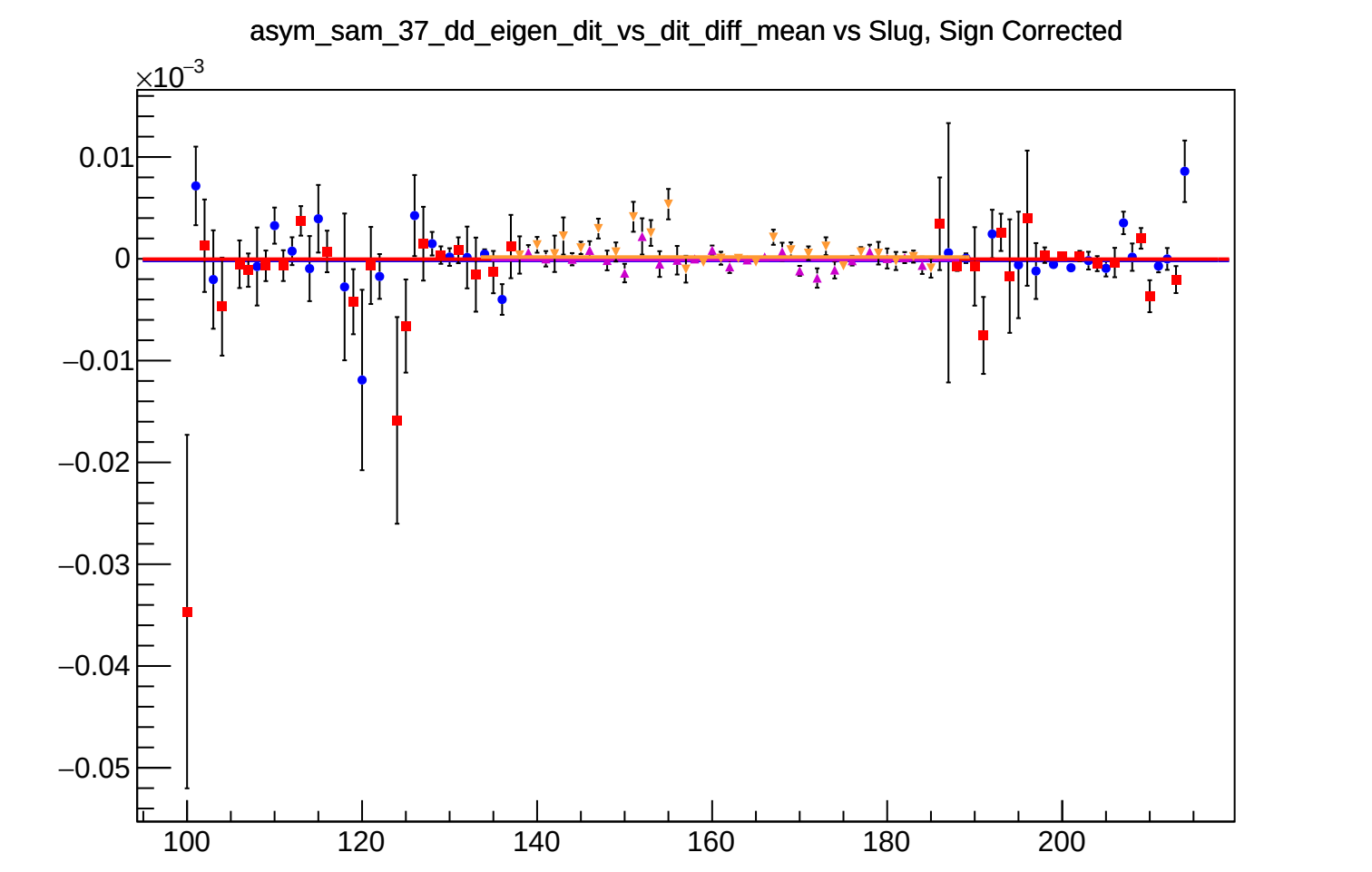
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.846+/-0.004 χ^2/NDF: 8346416.2/63

In: 16.130+/-0.002 χ^2/NDF:13039547.6/52

Out: 14.895+/-0.002 χ^2/NDF:18945643.8/58

All: 15.485+/-0.002 χ^2/NDF: 32133491.9/111



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

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

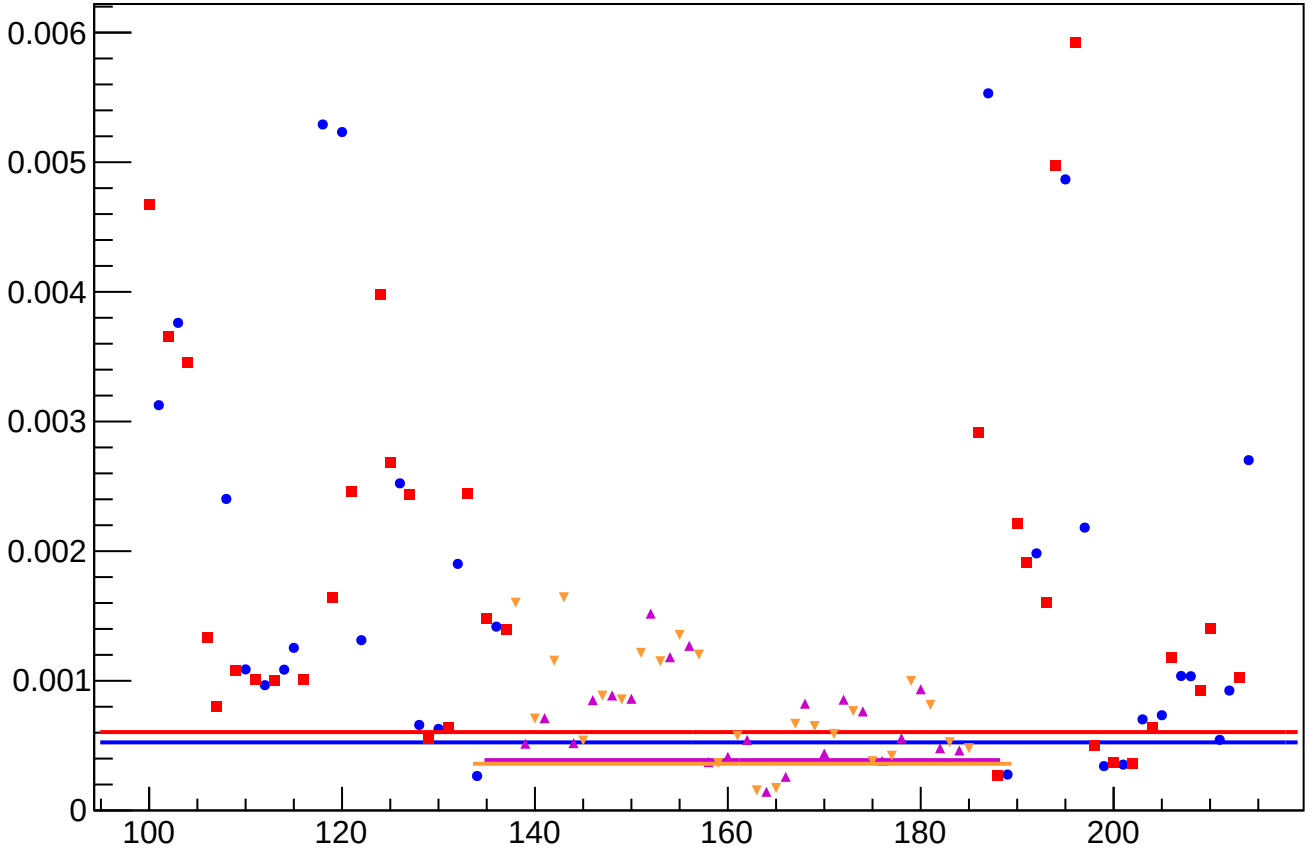
Right: -0.000+/-0.000 χ^2/NDF: 94.2/63

In: -0.000+/-0.000 χ^2/NDF:75.5/52

Out: 0.000+/-0.000 χ^2/NDF:105.4/58

All: 0.000+/-0.000 χ^2/NDF: 184.1/111

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

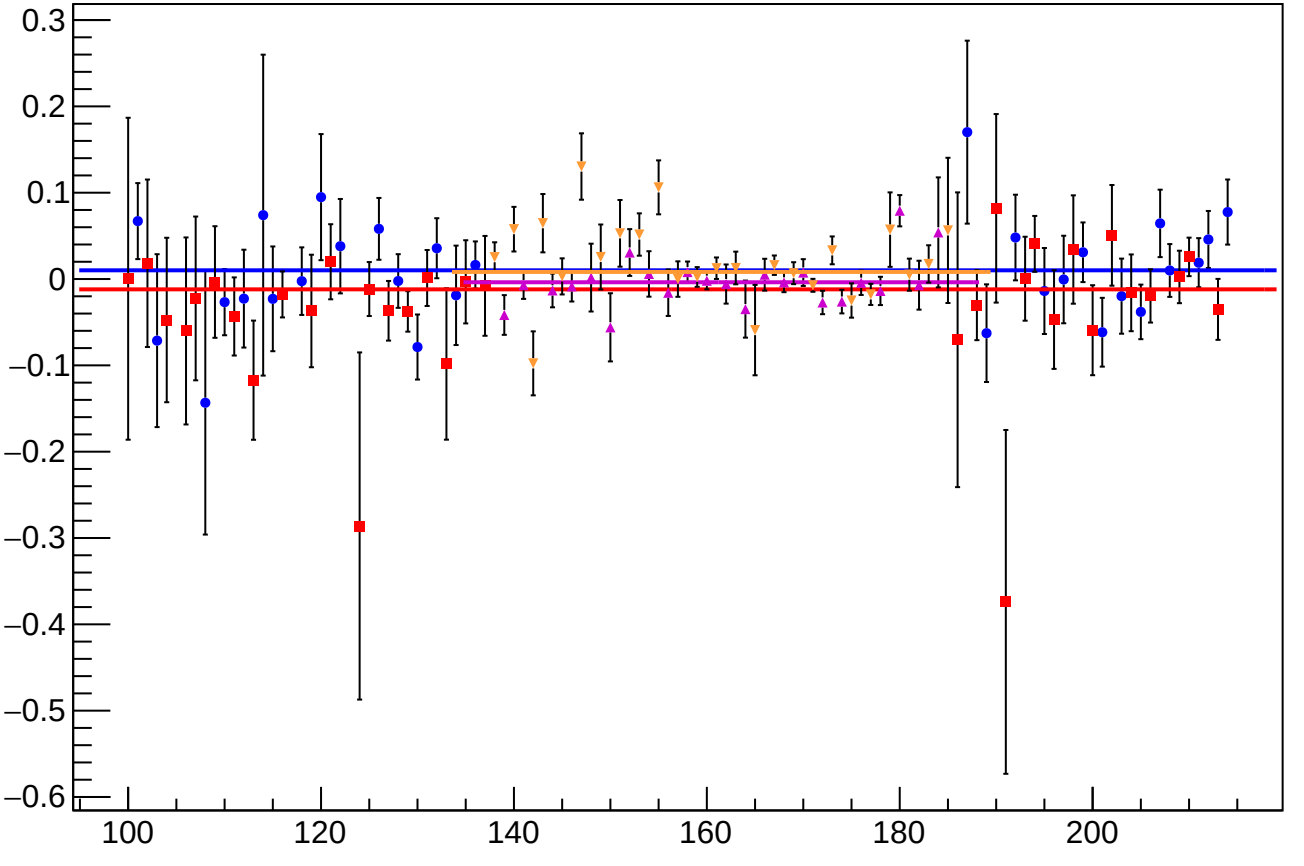
Right: 0.001+/-0.000 χ^2/NDF: 26899938.8/63

In: 0.000+/-0.000 χ^2/NDF:25056413.5/52

Out: 0.000+/-0.000 χ^2/NDF:29491956.3/58

All: 0.000+/-0.000 χ^2/NDF: 54575530.0/111

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

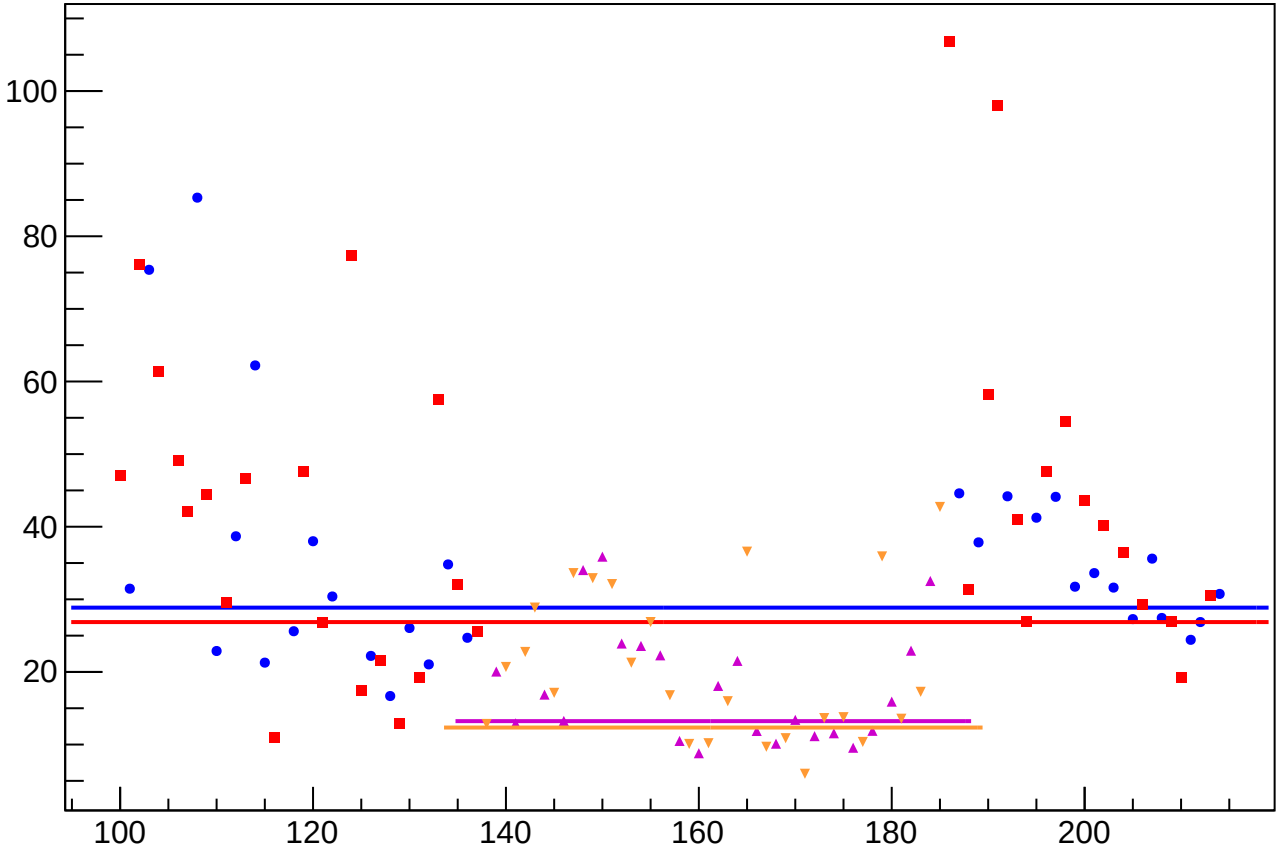
Right: -0.001+/-0.005 χ^2/NDF: 59.3/63

In: -0.001+/-0.003 χ^2/NDF:72.6/52

Out: 0.005+/-0.003 χ^2/NDF:87.1/58

All: 0.002+/-0.002 χ^2/NDF: 161.4/111

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

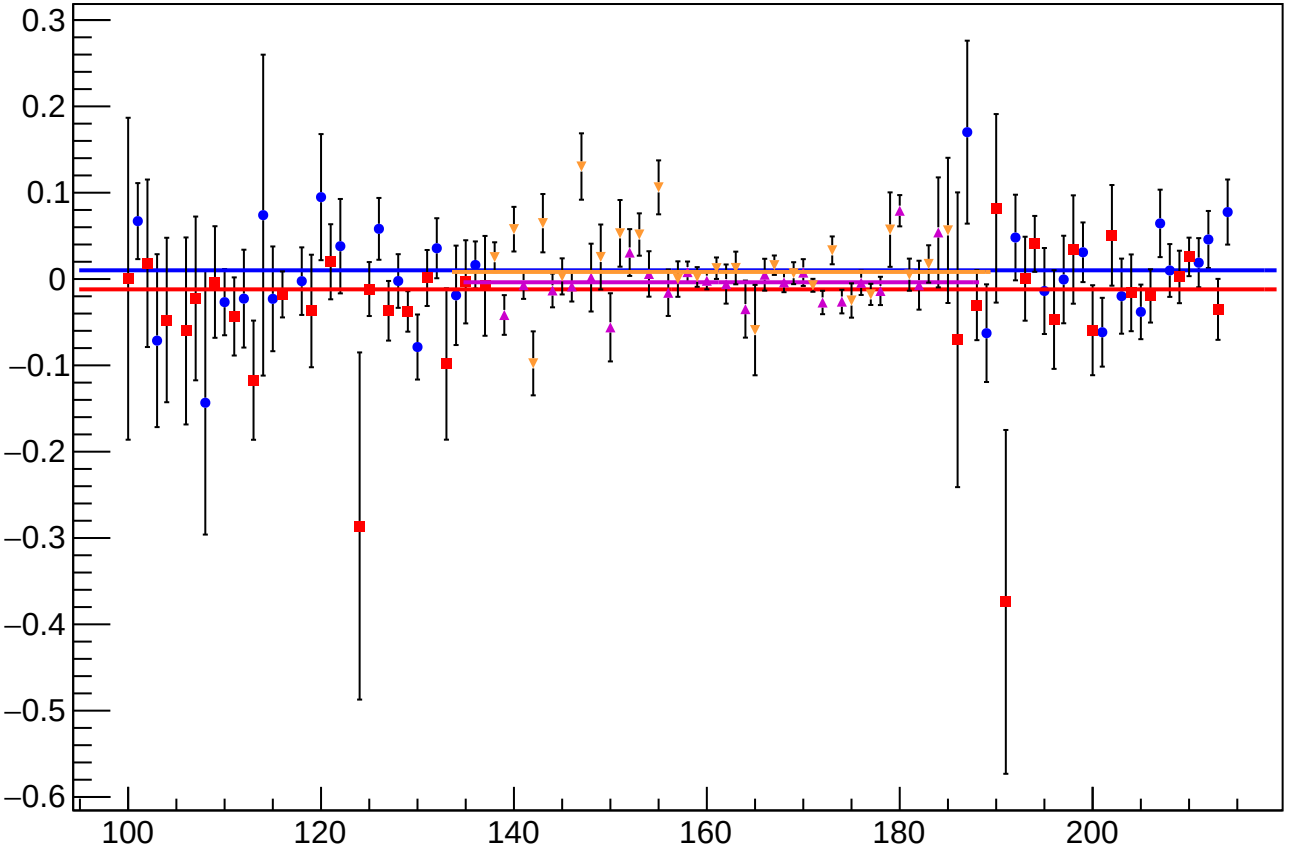
Right: 27.846+/-0.004 χ^2/NDF: 8346046.0/63

In: 16.131+/-0.002 χ^2/NDF:13039794.7/52

Out: 14.895+/-0.002 χ^2/NDF:18945783.6/58

All: 15.485+/-0.002 χ^2/NDF: 32133863.0/111

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

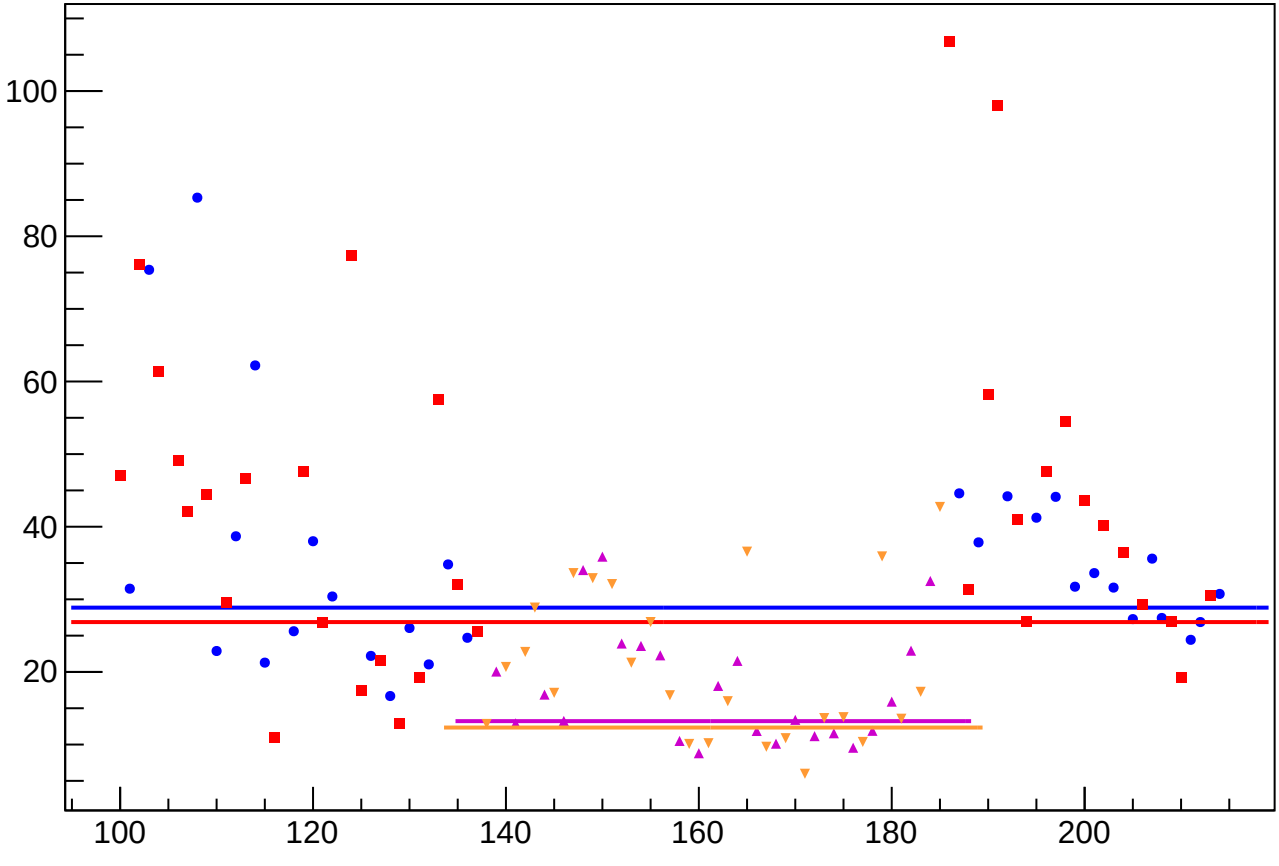
Right: -0.001+/-0.005 χ^2/NDF: 59.3/63

In: -0.001+/-0.003 χ^2/NDF:72.6/52

Out: 0.005+/-0.003 χ^2/NDF:87.1/58

All: 0.002+/-0.002 χ^2/NDF: 161.4/111

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

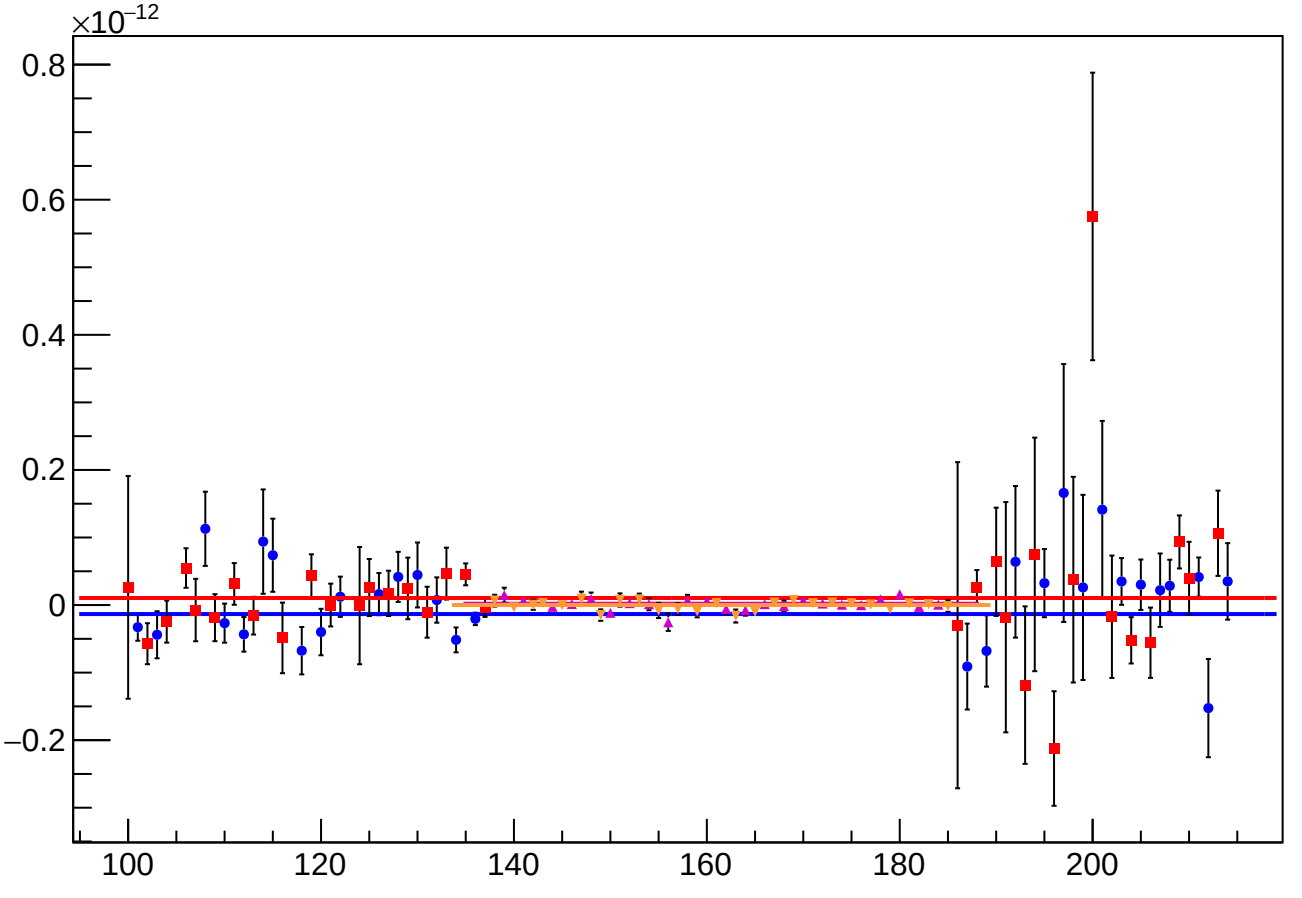
Right: 27.846+/-0.004 χ^2/NDF: 8346046.0/63

In: 16.131+/-0.002 χ^2/NDF:13039794.7/52

Out: 14.895+/-0.002 χ^2/NDF:18945783.6/58

All: 15.485+/-0.002 χ^2/NDF: 32133863.0/111

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

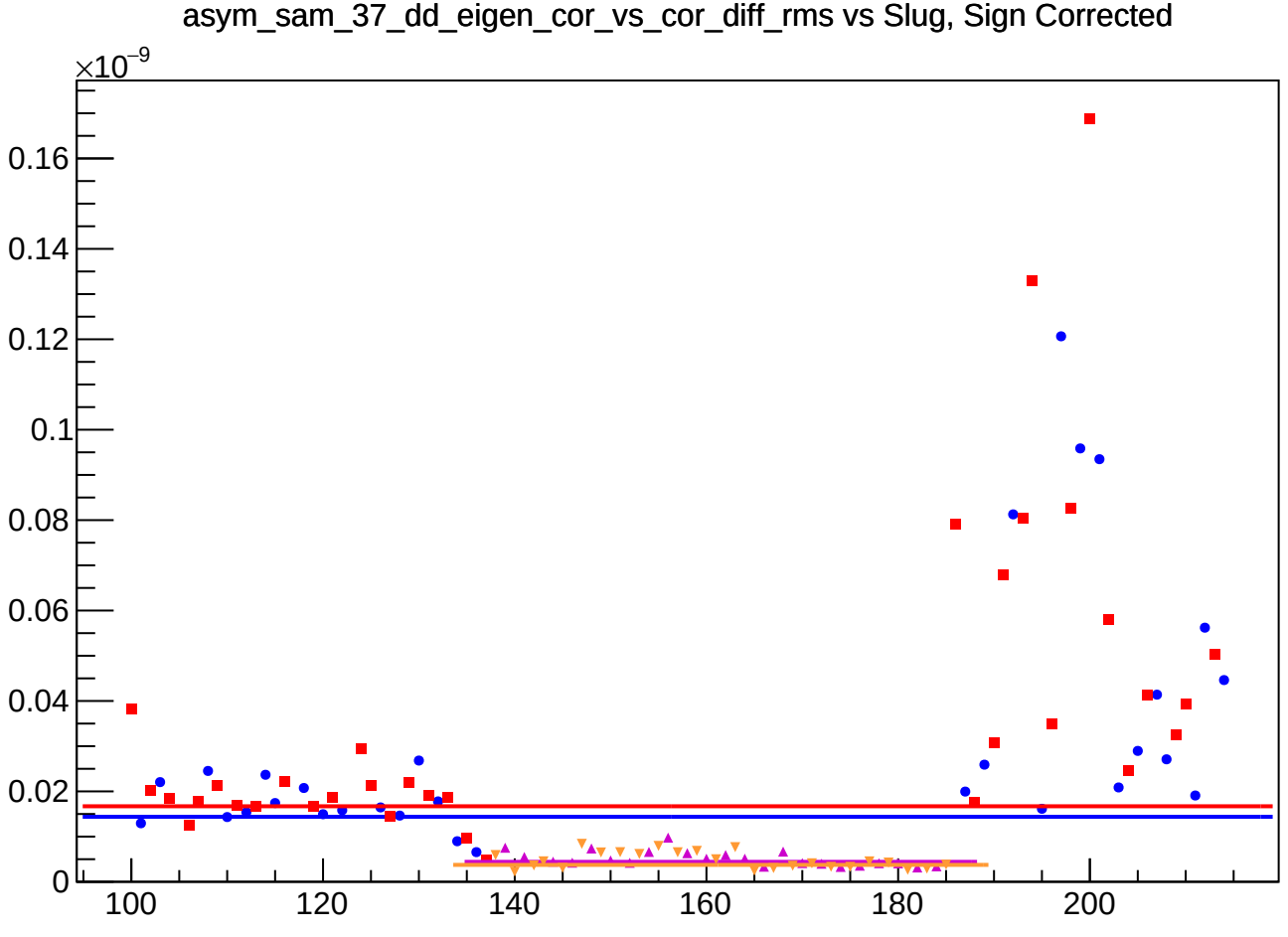
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 102.7/63

In: 0.000+/-0.000 χ^2/NDF:78.4/52

Out: 0.000+/-0.000 χ^2/NDF:72.9/58

All: 0.000+/-0.000 χ^2/NDF: 151.5/111



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

Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

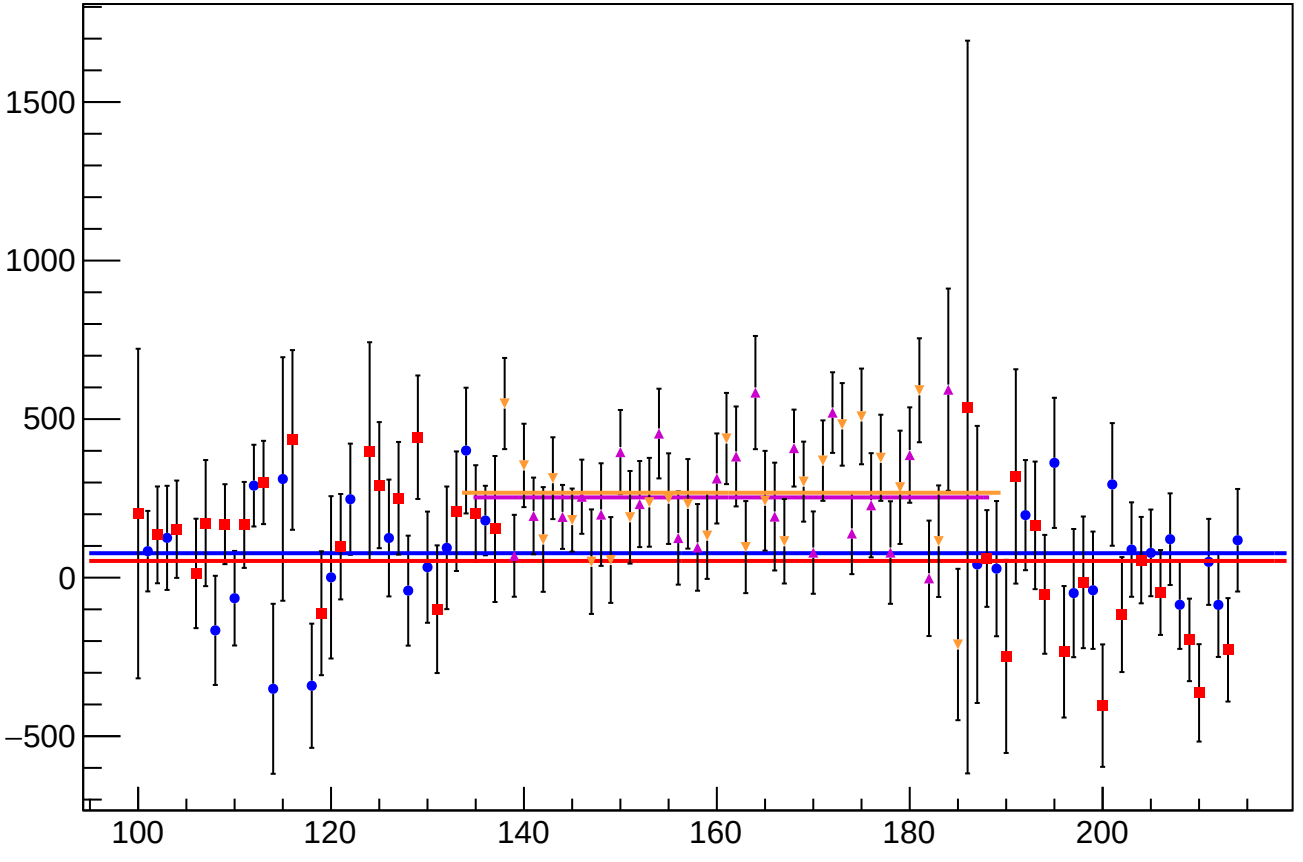
Right: 0.000+/-0.000 χ^2/NDF: 15184405.9/63

In: 0.000+/-0.000 χ^2/NDF:15237367.1/52

Out: 0.000+/-0.000 χ^2/NDF:19362990.0/58

All: 0.000+/-0.000 χ^2/NDF: 34998479.6/111

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

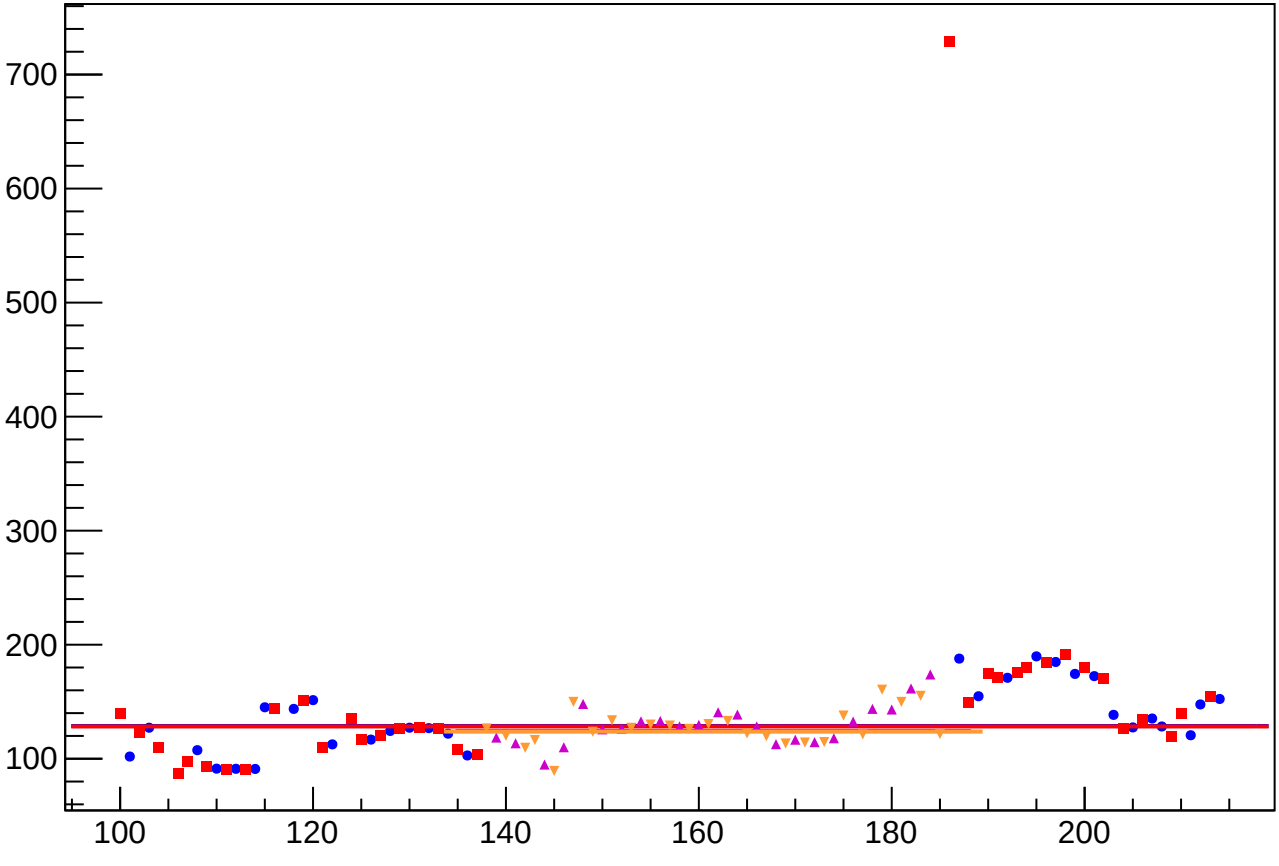
Right: 64.789+/-21.672 χ^2/NDF: 70.2/63

In: 169.354+/-21.226 χ^2/NDF:68.8/52

Out: 167.946+/-20.795 χ^2/NDF:102.0/58

All: 168.635+/-14.854 χ^2/NDF: 170.8/111

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

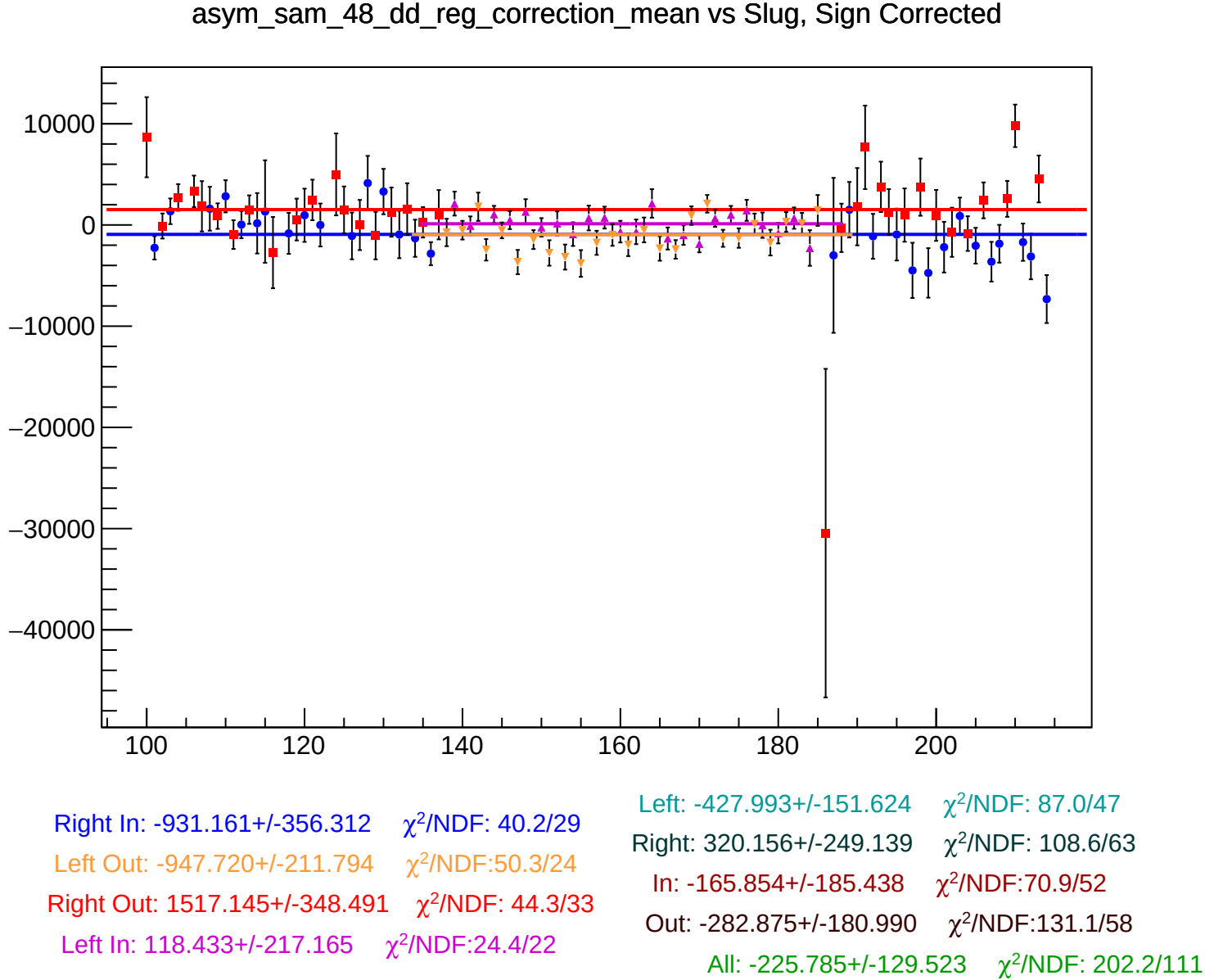
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

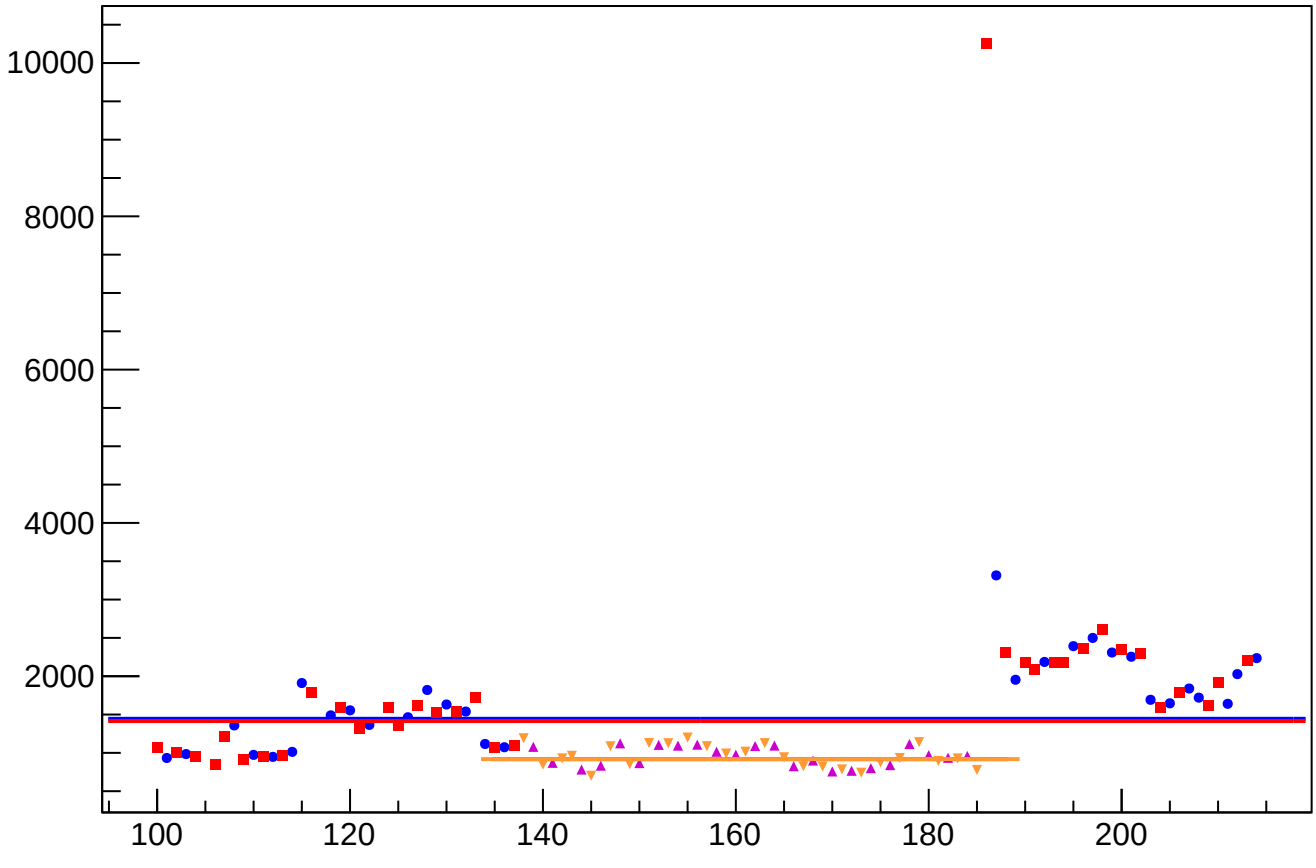
Right: 128.491+/-0.015 χ^2/NDF: 3842032.3/63

In: 126.356+/-0.015 χ^2/NDF:2034817.4/52

Out: 125.900+/-0.015 χ^2/NDF:3007660.1/58

All: 126.124+/-0.011 χ^2/NDF: 5042948.5/111


asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -931.161+/-356.312 χ²/NDF: 40.2/29
Left Out: -947.720+/-211.794 χ²/NDF:50.3/24
Right Out: 1517.145+/-348.491 χ²/NDF: 44.3/33
Left In: 118.433+/-217.165 χ²/NDF:24.4/22
Left: -427.993+/-151.624 χ²/NDF: 87.0/47
Right: 320.156+/-249.139 χ²/NDF: 108.6/63
In: -165.854+/-185.438 χ²/NDF:70.9/52
Out: -282.875+/-180.990 χ²/NDF:131.1/58
All: -225.785+/-129.523 χ²/NDF: 202.2/111



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

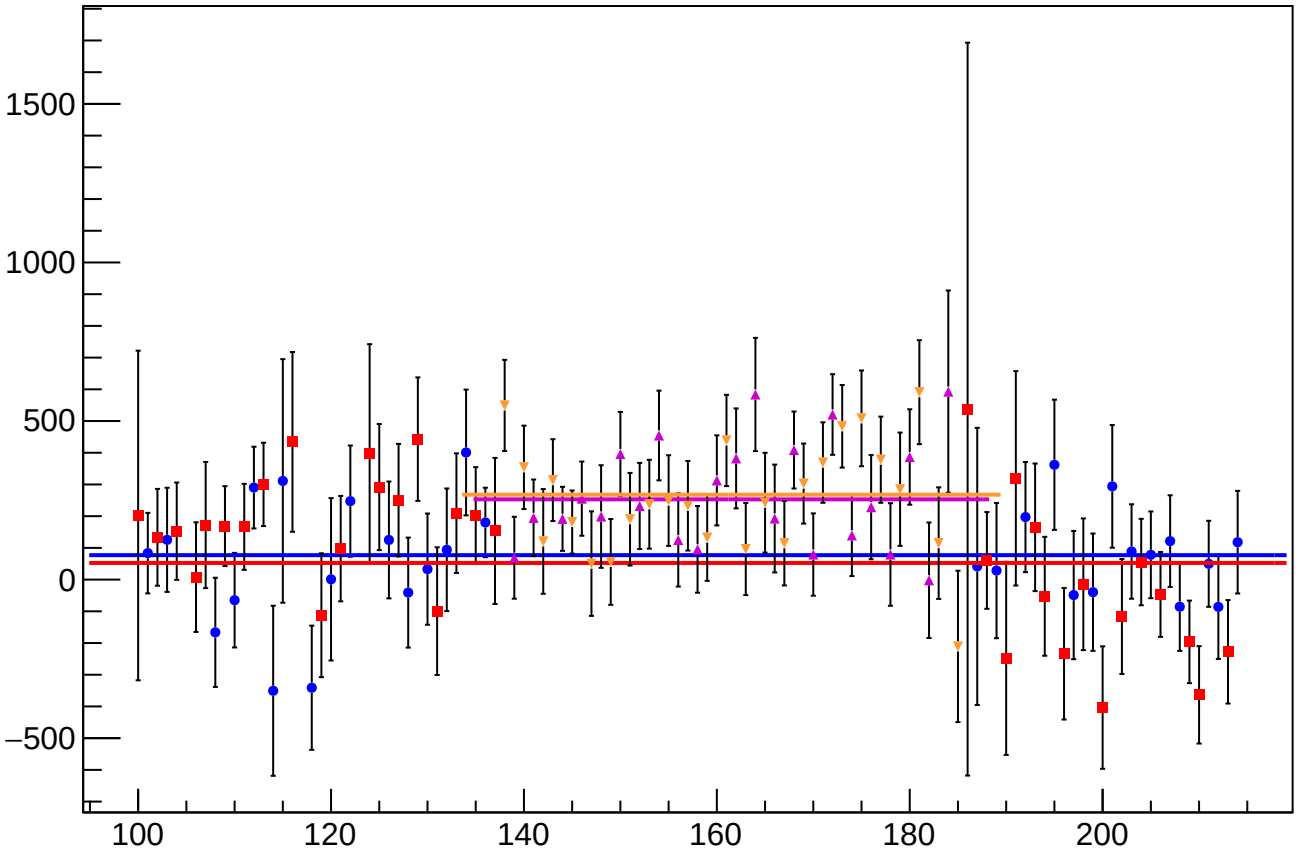
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1429.397+/-0.176 χ^2/NDF: 8324052.5/63

In: 1060.683+/-0.131 χ^2/NDF:7360611.3/52

Out: 1052.482+/-0.128 χ^2/NDF:8656062.1/58

All: 1056.483+/-0.092 χ^2/NDF: 16018677.0/1



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

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

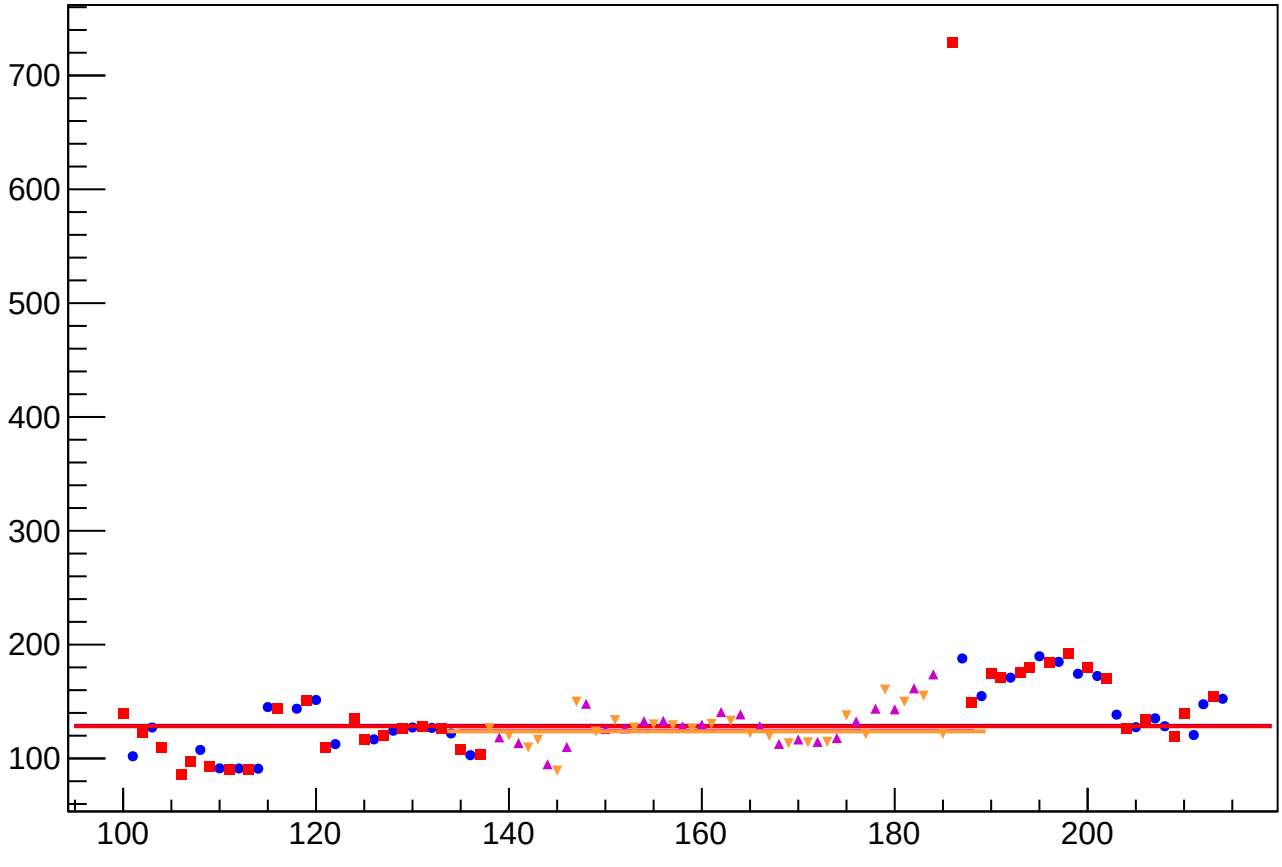
Right: 64.670+/-21.673 χ^2/NDF: 70.2/63

In: 169.352+/-21.226 χ^2/NDF:68.8/52

Out: 167.851+/-20.795 χ^2/NDF:102.1/58

All: 168.586+/-14.854 χ^2/NDF: 170.8/111

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

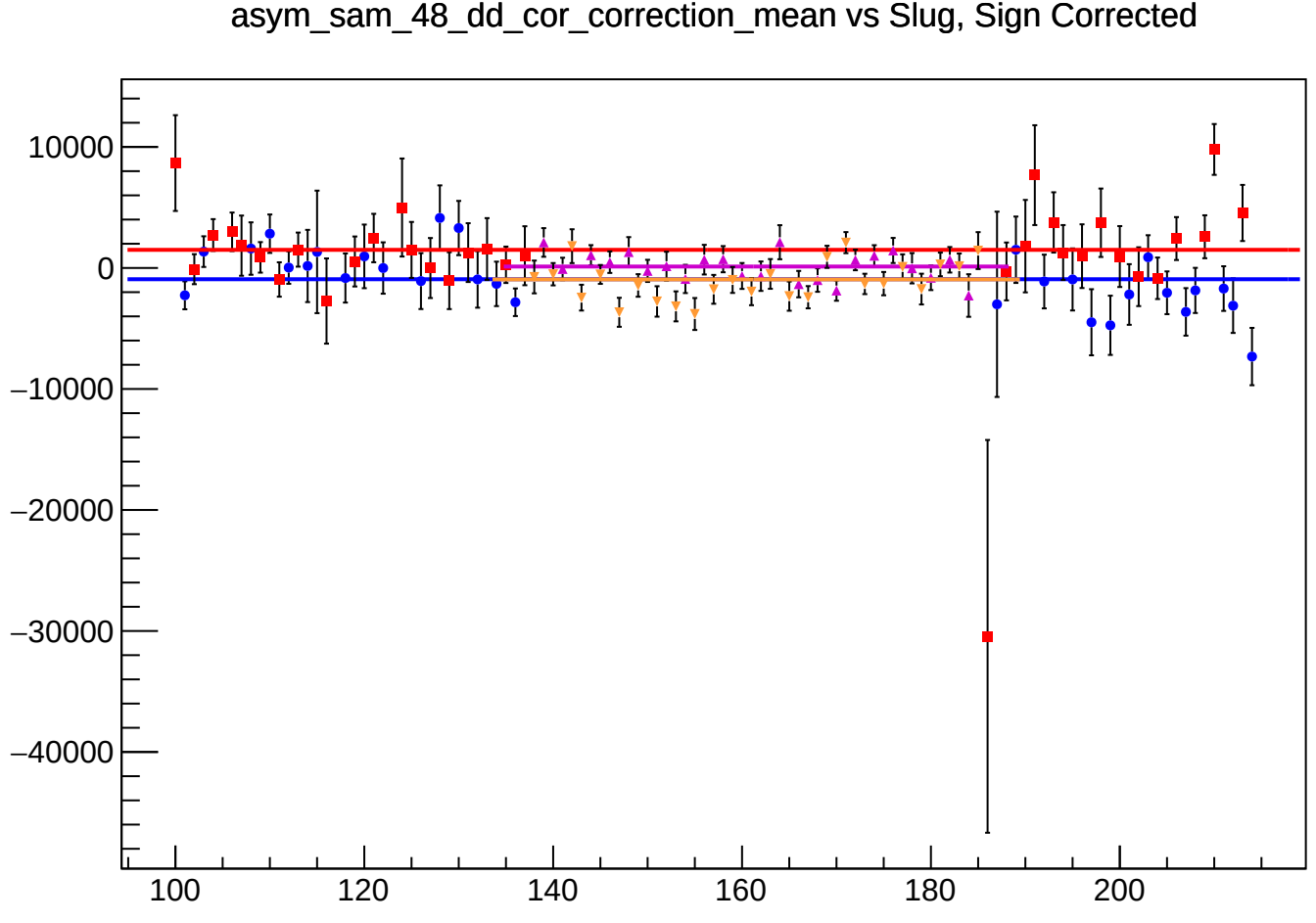
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 128.477+/-0.015 χ^2/NDF: 3848005.1/63

In: 126.356+/-0.015 χ^2/NDF:2034817.5/52

Out: 125.887+/-0.015 χ^2/NDF:3013311.8/58

All: 126.117+/-0.011 χ^2/NDF: 5048628.6/111



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

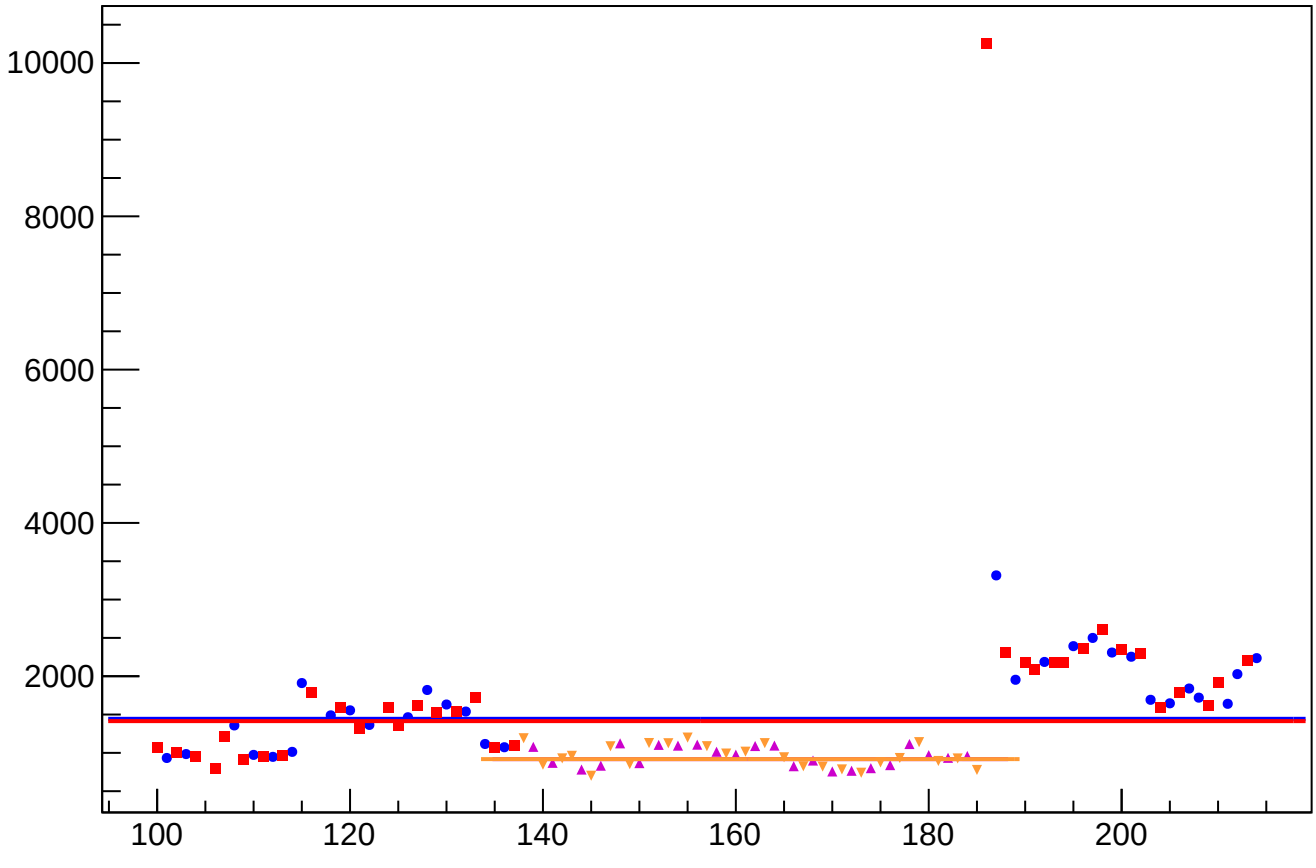
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 308.533+/-249.290 χ^2/NDF: 107.7/63

In: -165.867+/-185.438 χ^2/NDF:70.9/52

Out: -289.367+/-181.048 χ^2/NDF:129.9/58

All: -229.097+/-129.544 χ^2/NDF: 201.1/111



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

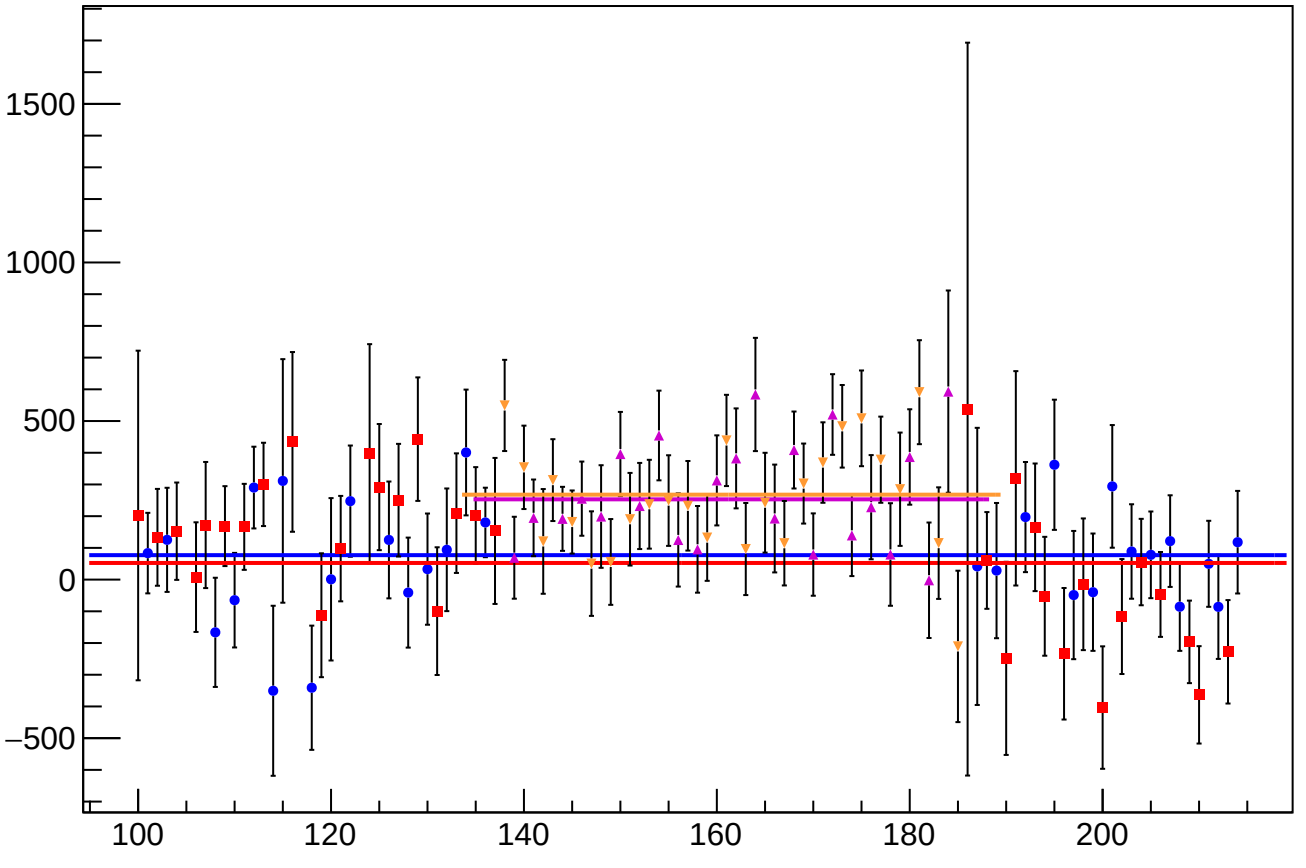
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1428.874+/-0.176 χ^2/NDF: 8359027.5/63

In: 1060.685+/-0.131 χ^2/NDF:7360599.1/52

Out: 1051.964+/-0.128 χ^2/NDF:8672807.0/58

All: 1056.220+/-0.092 χ^2/NDF: 16035670.7/1



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

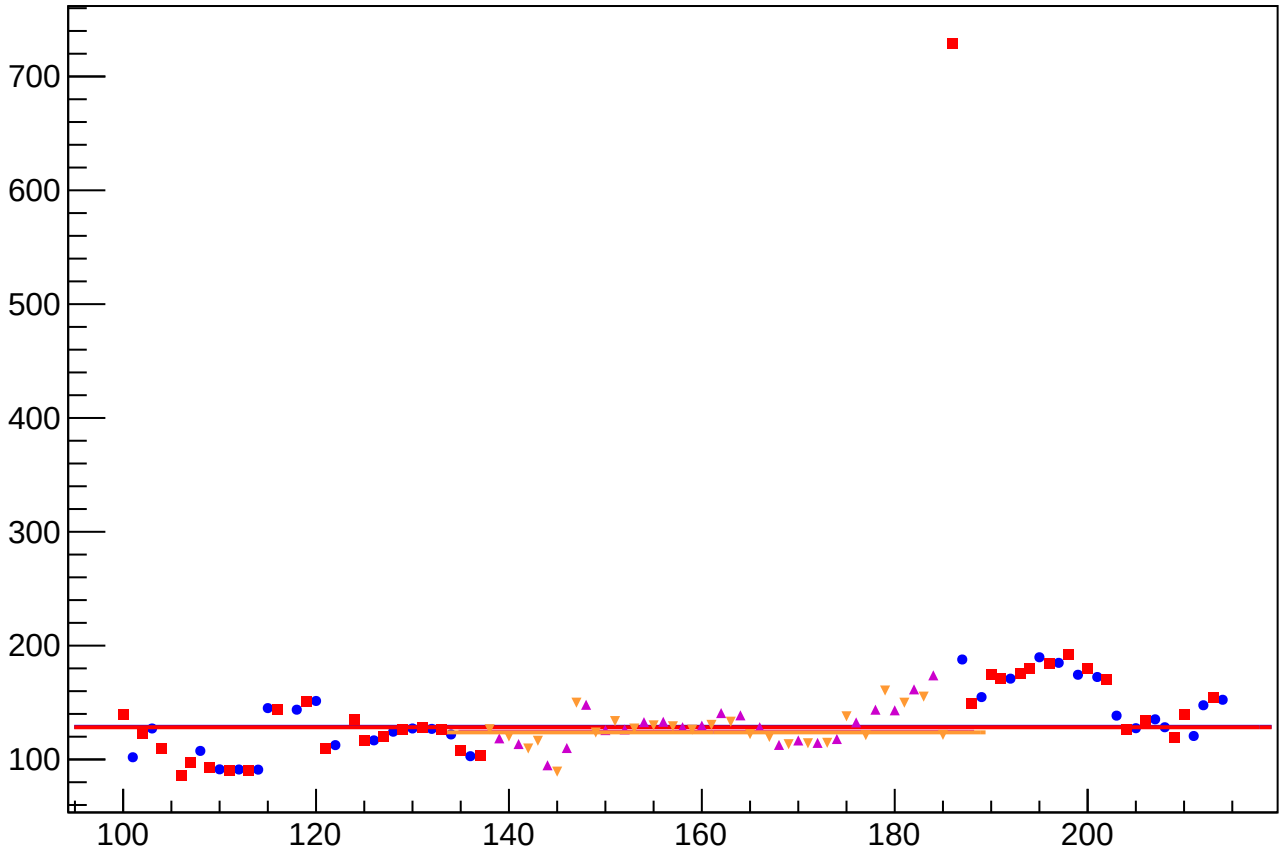
Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

Right: 64.670+/-21.673 χ^2/NDF: 70.2/63

In: 169.352+/-21.226 χ^2/NDF:68.8/52

Out: 167.851+/-20.795 χ^2/NDF:102.1/58

All: 168.586+/-14.854 χ^2/NDF: 170.8/111



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

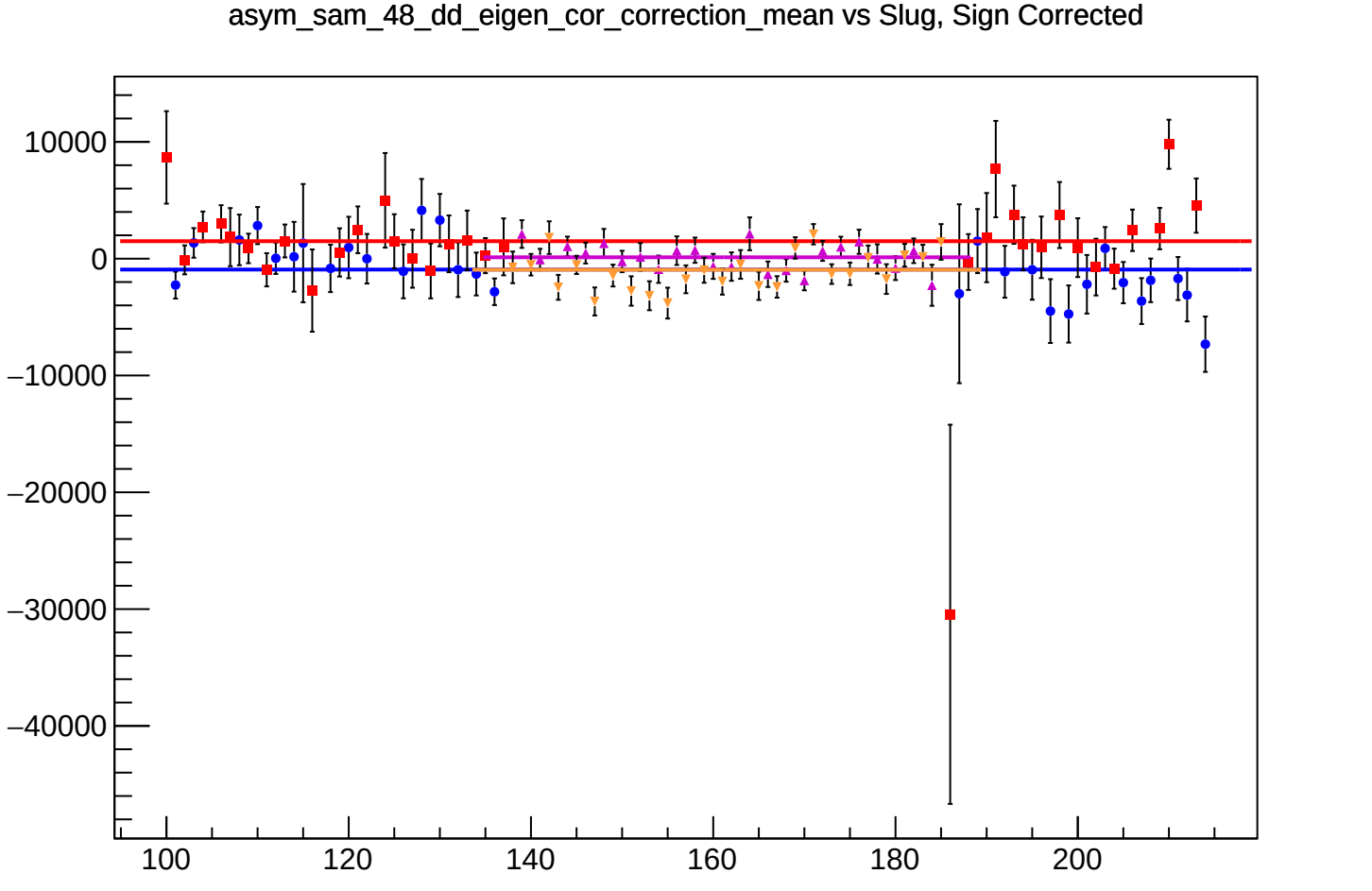
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 128.477+/-0.015 χ^2/NDF: 3848005.1/63

In: 126.356+/-0.015 χ^2/NDF:2034817.5/52

Out: 125.887+/-0.015 χ^2/NDF:3013311.8/58

All: 126.117+/-0.011 χ^2/NDF: 5048628.6/111



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

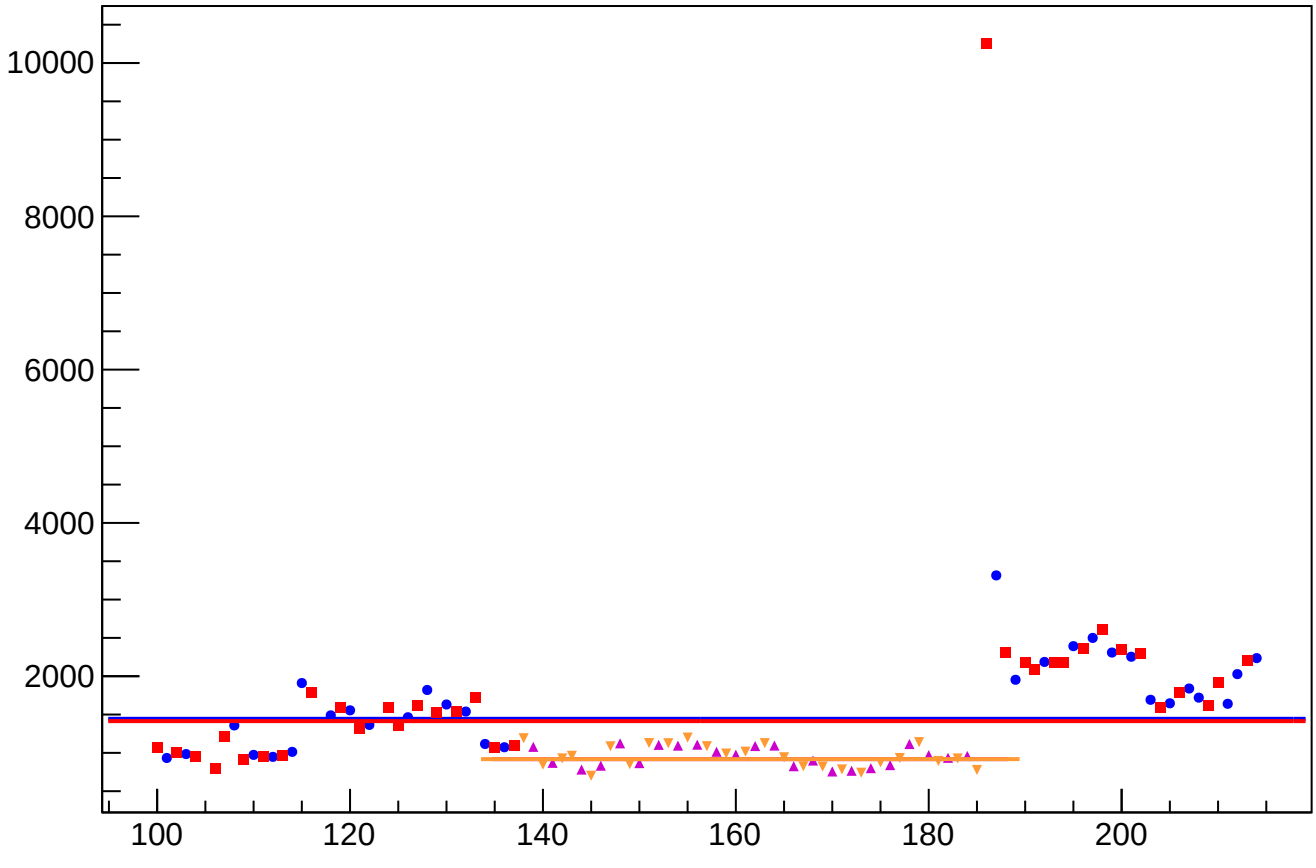
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 308.533+/-249.290 χ^2/NDF: 107.7/63

In: -165.867+/-185.438 χ^2/NDF:70.9/52

Out: -289.367+/-181.048 χ^2/NDF:129.9/58

All: -229.097+/-129.544 χ^2/NDF: 201.1/111



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

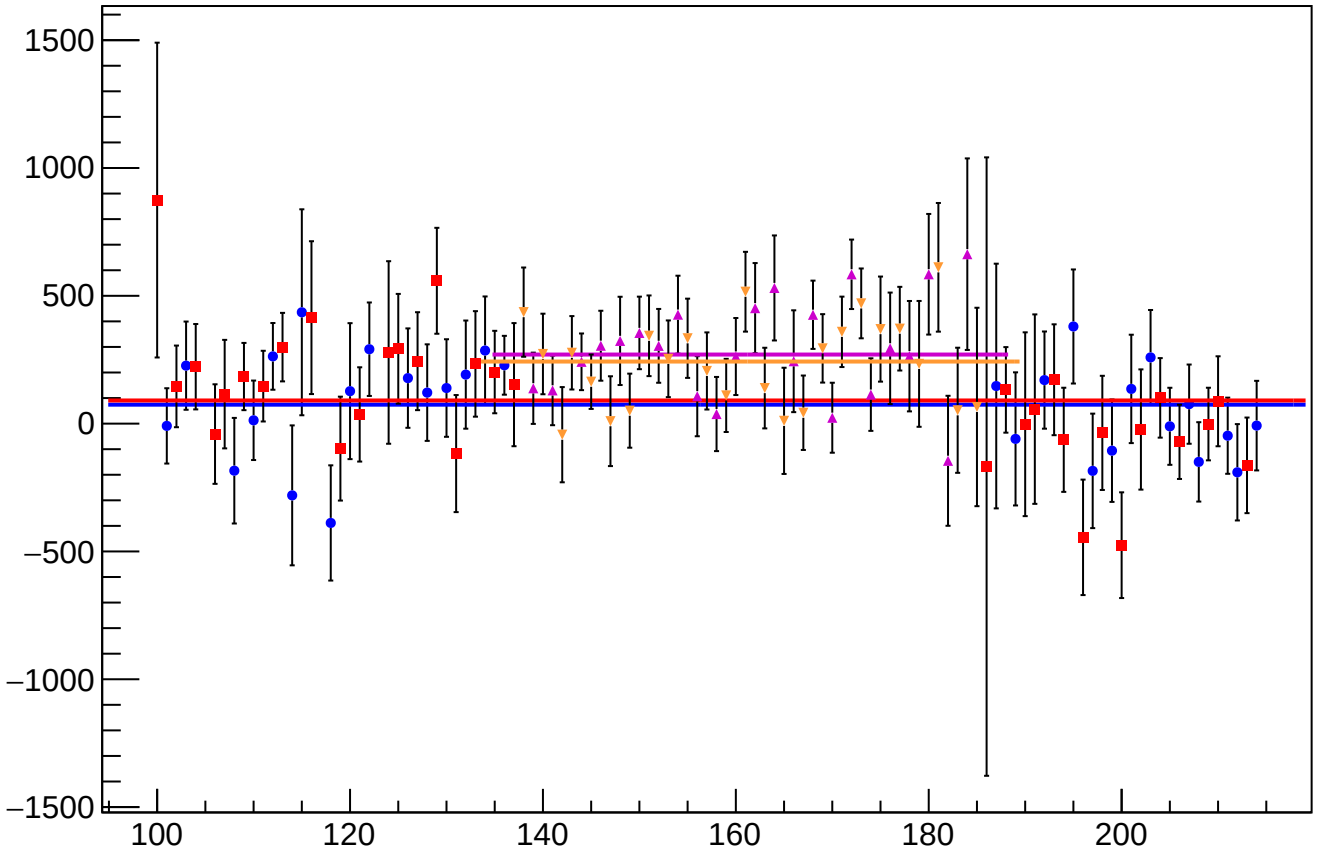
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1428.874+/-0.176 χ^2/NDF: 8359027.5/63

In: 1060.685+/-0.131 χ^2/NDF:7360599.1/52

Out: 1051.964+/-0.128 χ^2/NDF:8672807.0/58

All: 1056.220+/-0.092 χ^2/NDF: 16035670.7/1



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

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

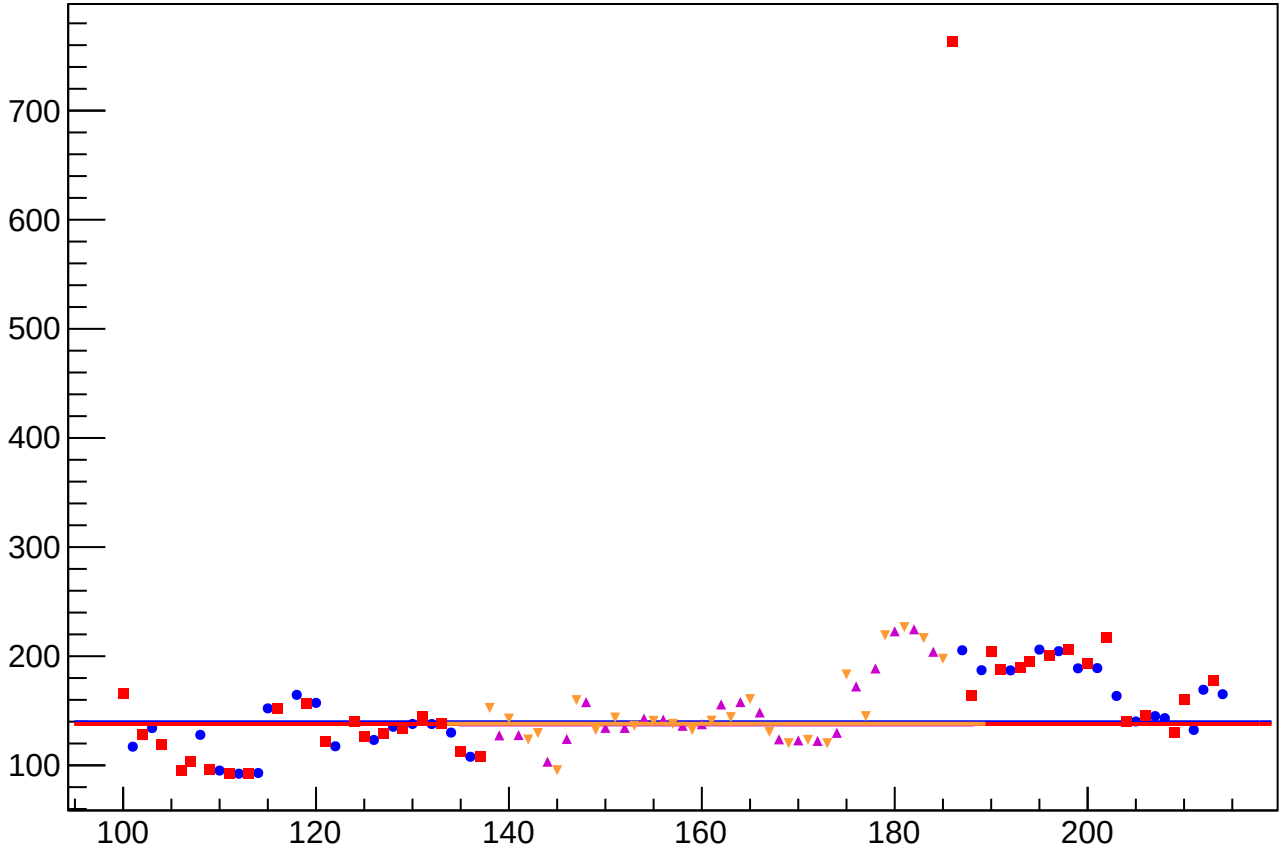
Right: 82.527+/-23.590 χ^2/NDF: 62.5/63

In: 174.365+/-23.512 χ^2/NDF:71.6/52

Out: 169.007+/-23.060 χ^2/NDF:69.4/58

All: 171.634+/-16.463 χ^2/NDF: 141.1/111

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

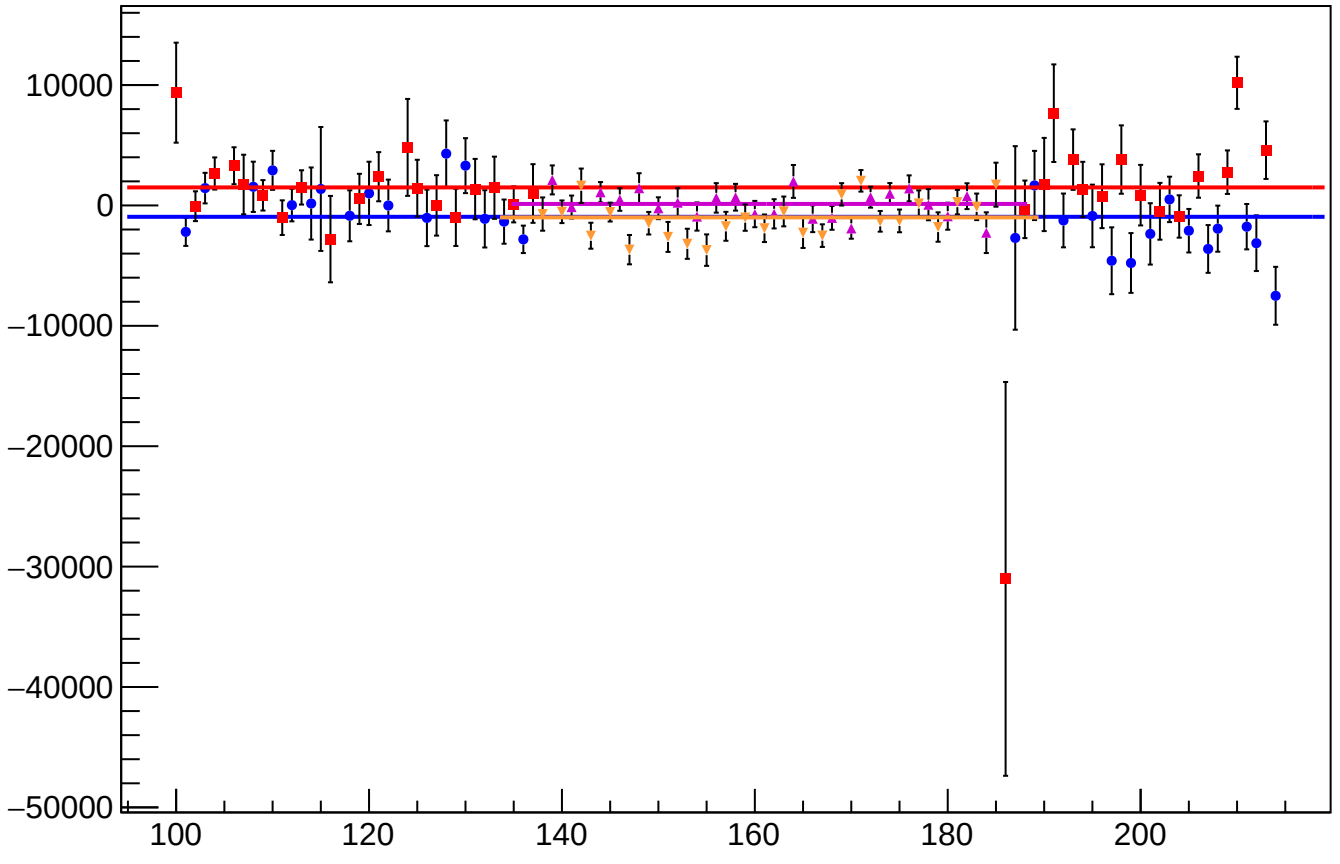
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 138.669+/-0.017 χ^2/NDF: 4478058.8/63

In: 138.461+/-0.017 χ^2/NDF:2827199.9/52

Out: 138.012+/-0.016 χ^2/NDF:4099850.9/58

All: 138.232+/-0.012 χ^2/NDF: 6927423.1/111



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

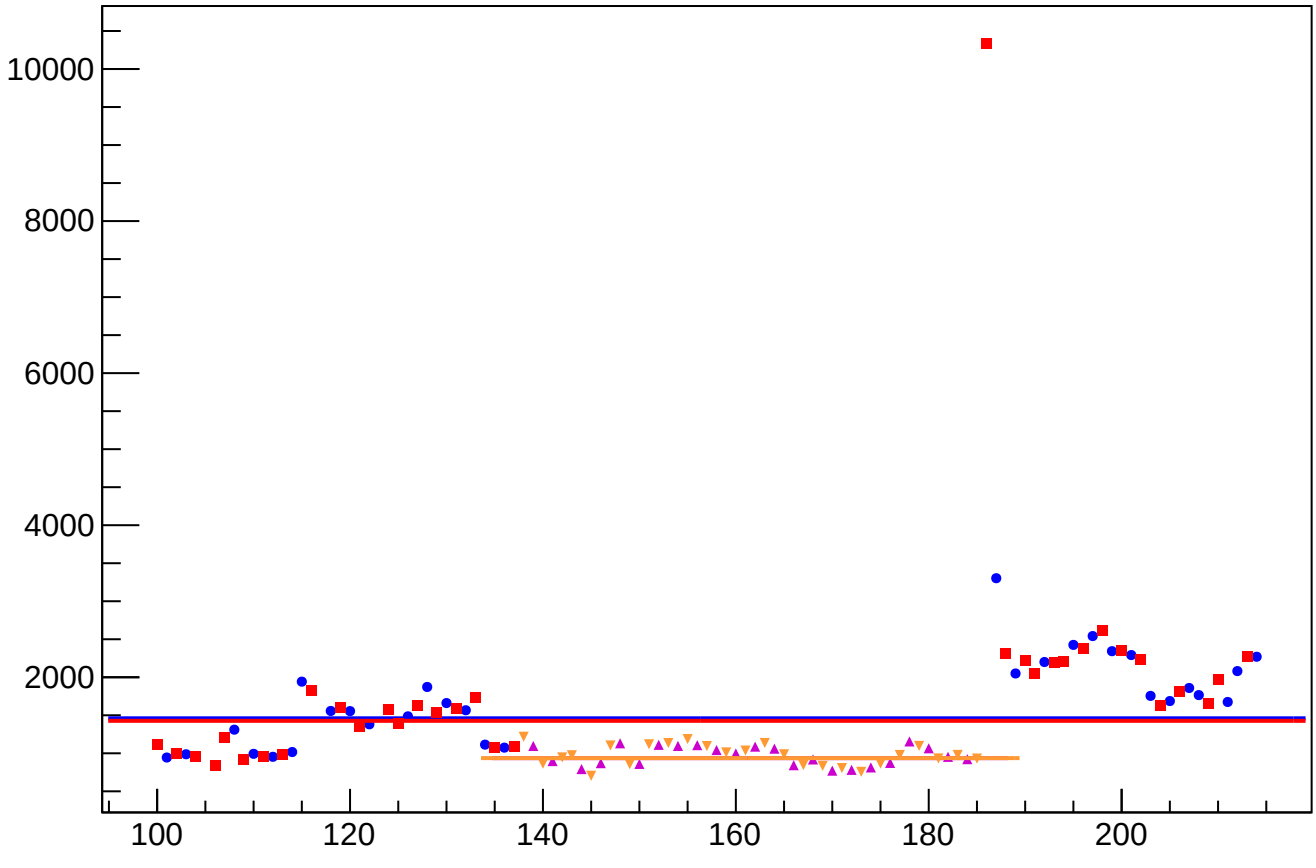
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 307.750+/-251.739 χ^2/NDF: 108.8/63

In: -167.820+/-188.673 χ^2/NDF:70.4/52

Out: -312.147+/-183.812 χ^2/NDF:128.6/58

All: -241.867+/-131.660 χ^2/NDF: 199.2/111



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

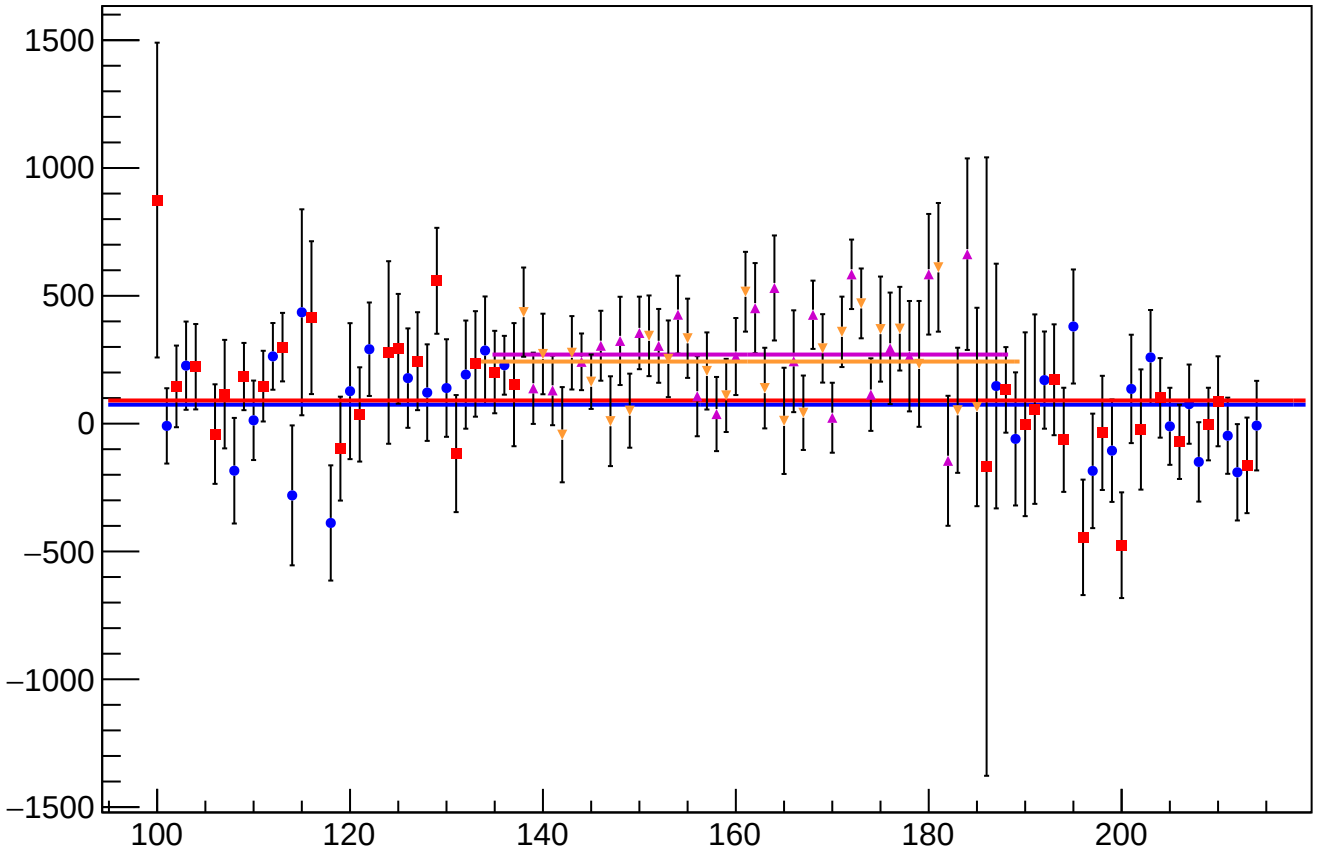
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1443.149+/-0.178 χ^2/NDF: 8488417.5/63

In: 1079.660+/-0.133 χ^2/NDF:7342864.8/52

Out: 1070.835+/-0.130 χ^2/NDF:8502177.8/58

All: 1075.132+/-0.093 χ^2/NDF: 15847287.3/1



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

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

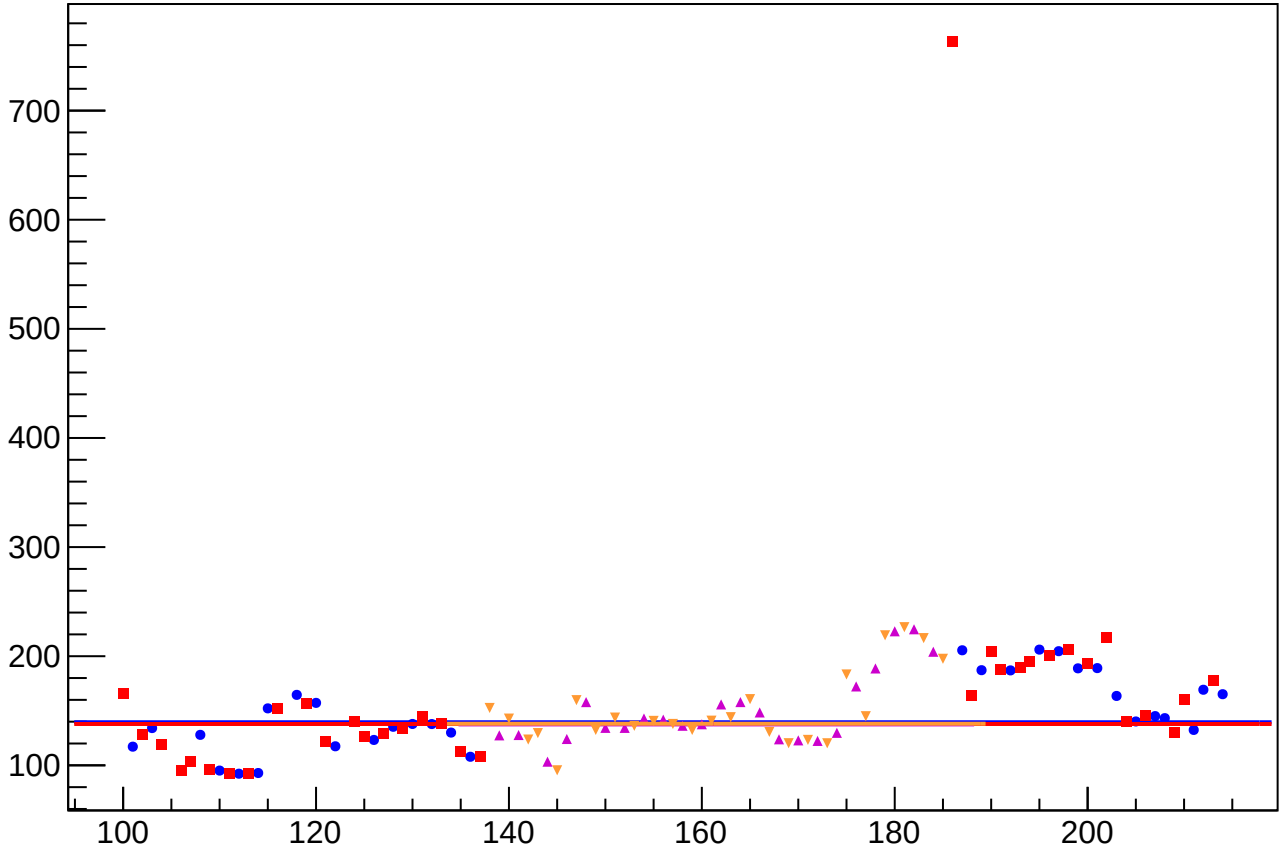
Right: 82.528+/-23.590 χ^2/NDF: 62.5/63

In: 174.366+/-23.512 χ^2/NDF:71.6/52

Out: 169.008+/-23.060 χ^2/NDF:69.4/58

All: 171.635+/-16.463 χ^2/NDF: 141.1/111

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

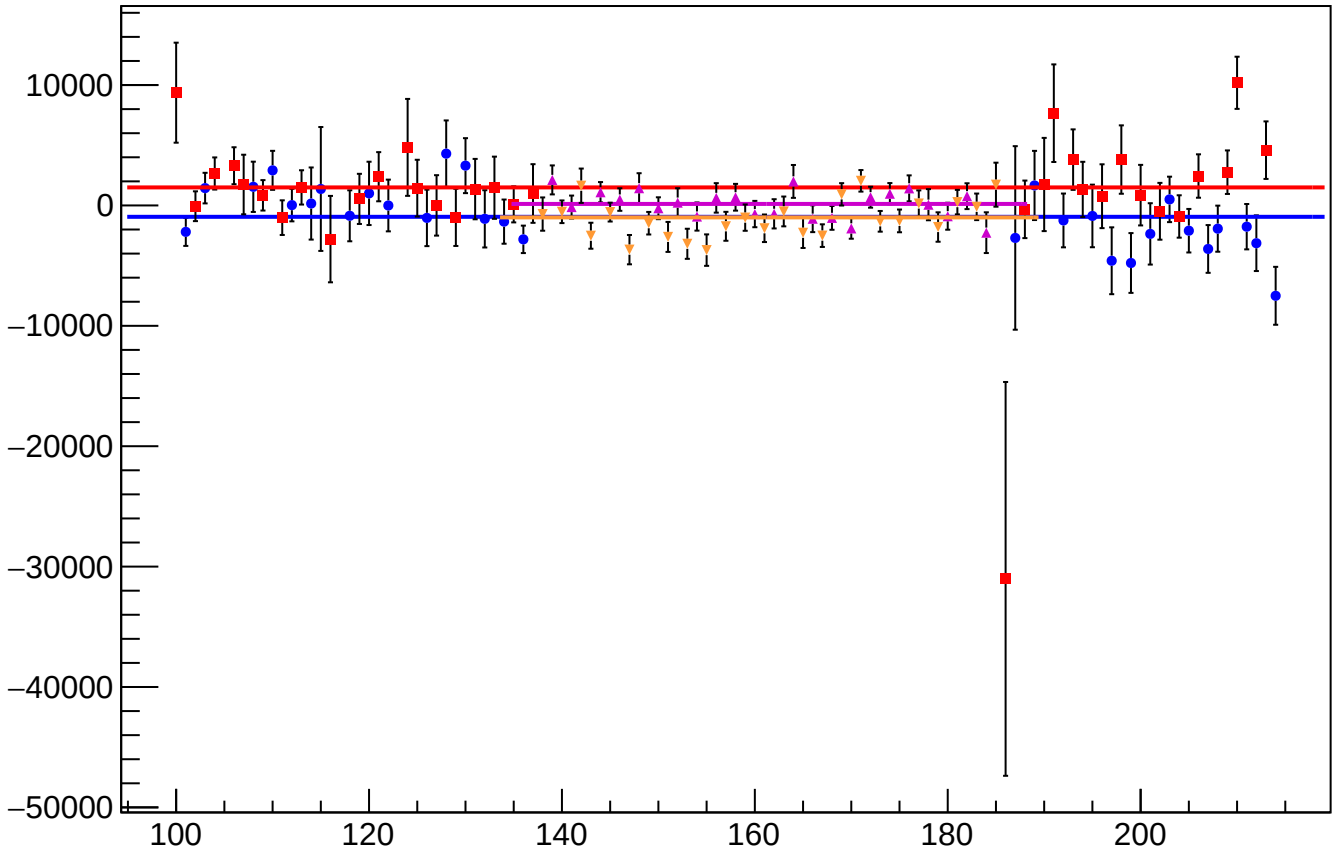
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 138.669+/-0.017 χ^2/NDF: 4478049.8/63

In: 138.461+/-0.017 χ^2/NDF:2827172.3/52

Out: 138.012+/-0.016 χ^2/NDF:4099859.0/58

All: 138.232+/-0.012 χ^2/NDF: 6927403.5/11



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

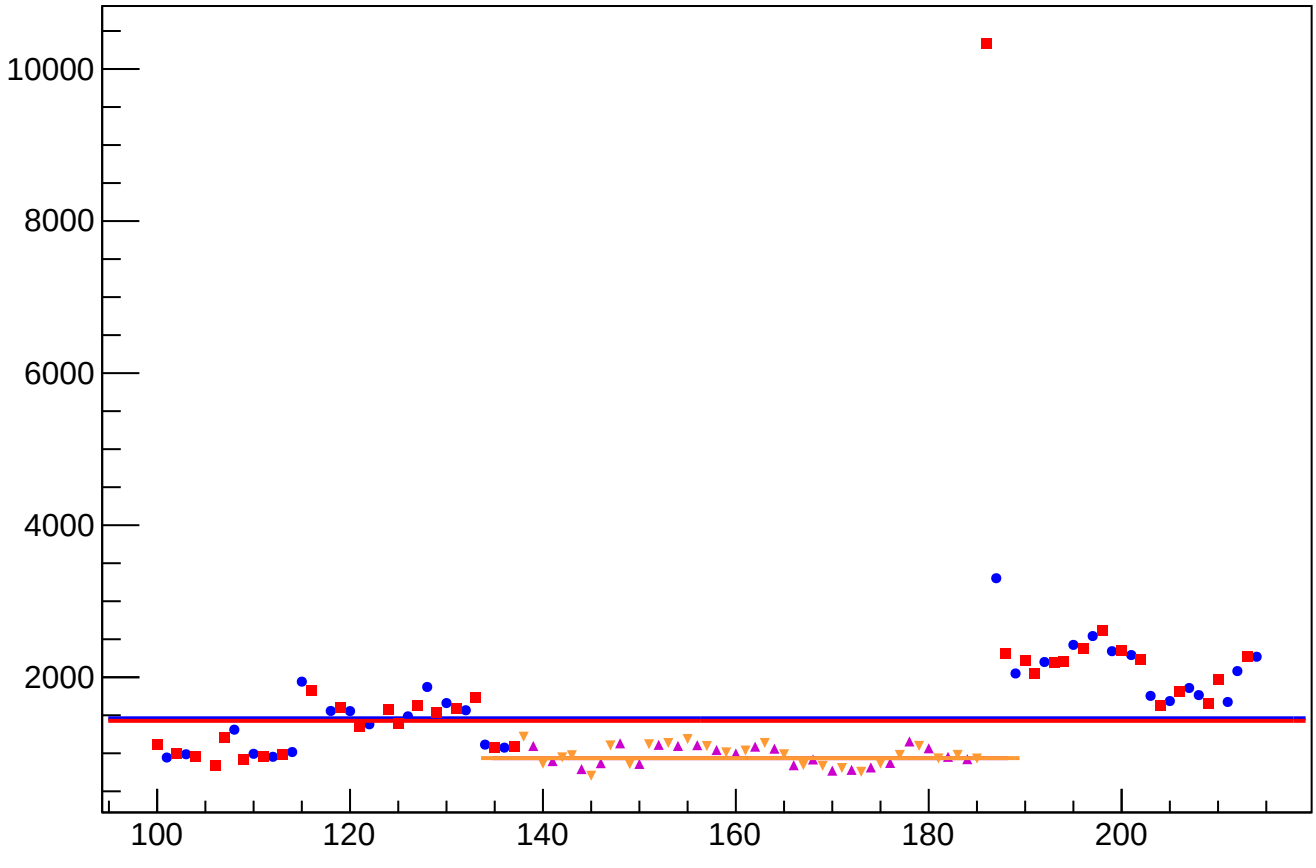
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 307.750+/-251.739 χ^2/NDF: 108.8/63

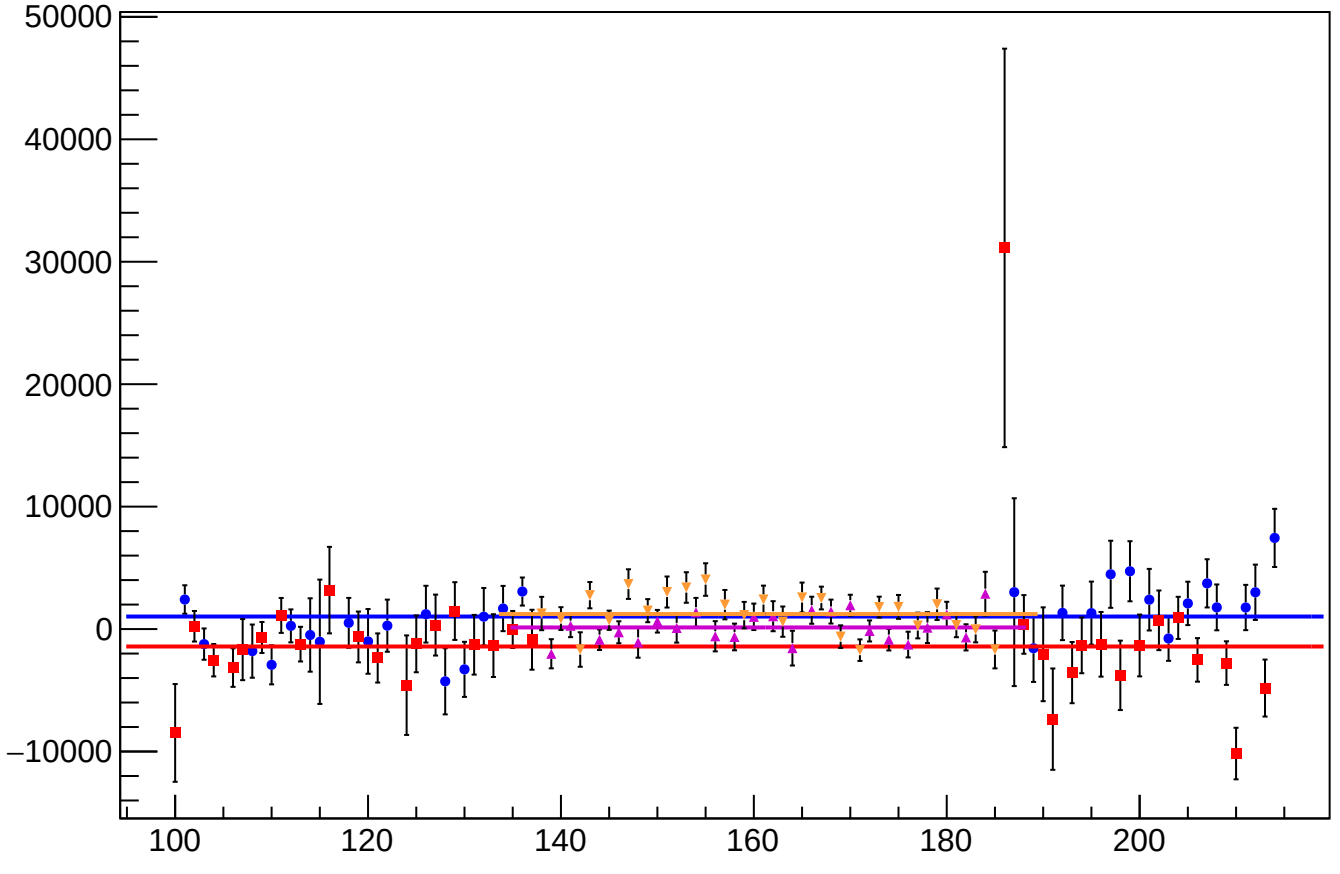
In: -167.820+/-188.673 χ^2/NDF:70.4/52

Out: -312.146+/-183.812 χ^2/NDF:128.6/58

All: -241.866+/-131.659 χ^2/NDF: 199.2/111


asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1460.124+/-0.255 χ²/NDF: 3637388.4/29
Left Out: 936.742+/-0.152 χ²/NDF:832452.0/24
Right Out: 1427.033+/-0.249 χ²/NDF: 4842383.0/33
Left In: 936.379+/-0.157 χ²/NDF:642748.0/22
Left: 936.566+/-0.109 χ²/NDF: 1475202.7/47
Right: 1443.149+/-0.178 χ²/NDF: 8488404.8/63
In: 1079.659+/-0.133 χ²/NDF:7342868.0/52
Out: 1070.834+/-0.130 χ²/NDF:8502183.9/58
All: 1075.131+/-0.093 χ²/NDF: 15847296.7/1

asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

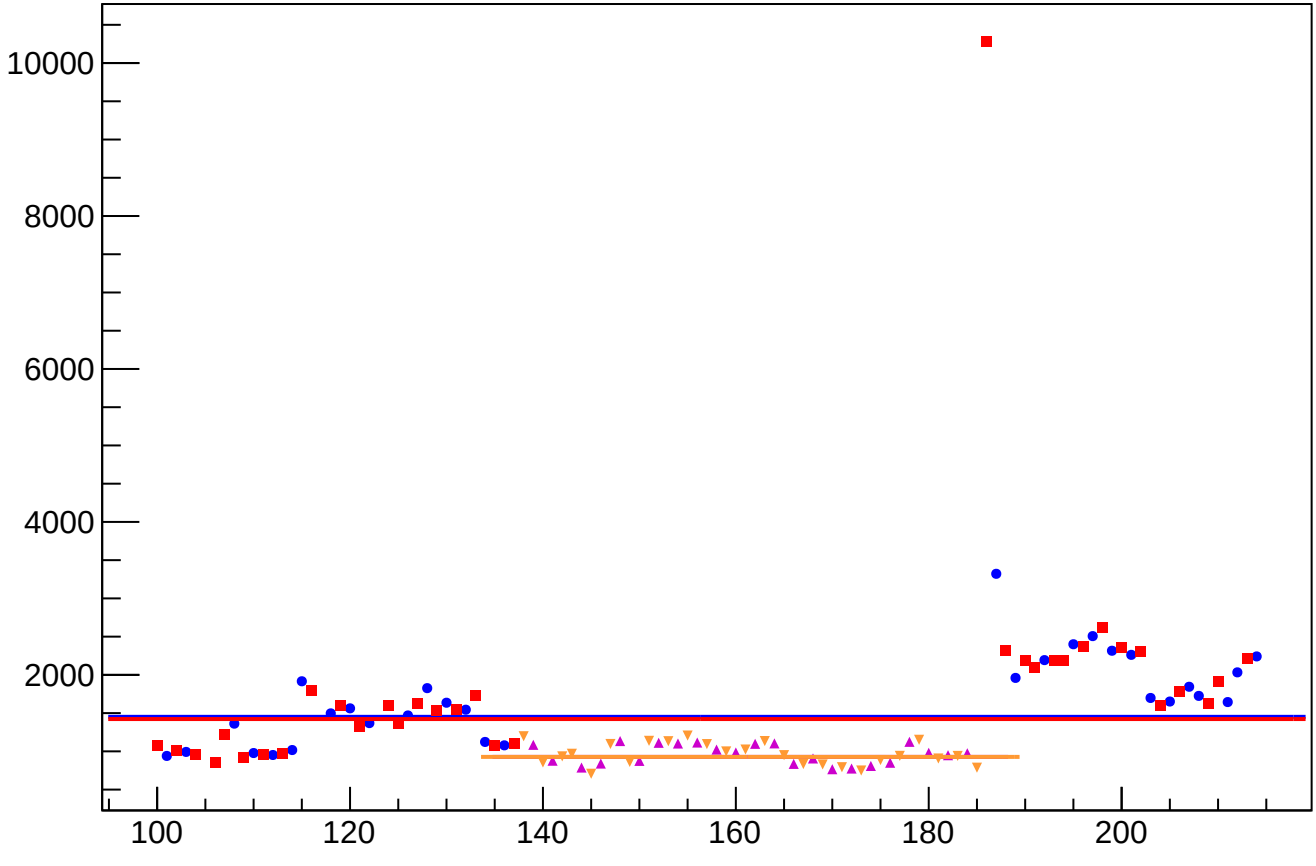
Right: -227.116+/-250.292 χ^2/NDF: 112.3/63

In: 375.911+/-186.978 χ^2/NDF:71.8/52

Out: 505.737+/-182.499 χ^2/NDF:137.1/58

All: 442.397+/-130.601 χ^2/NDF: 209.2/111

asym_sam_48_dd_rms vs Slug, Sign Corrected



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

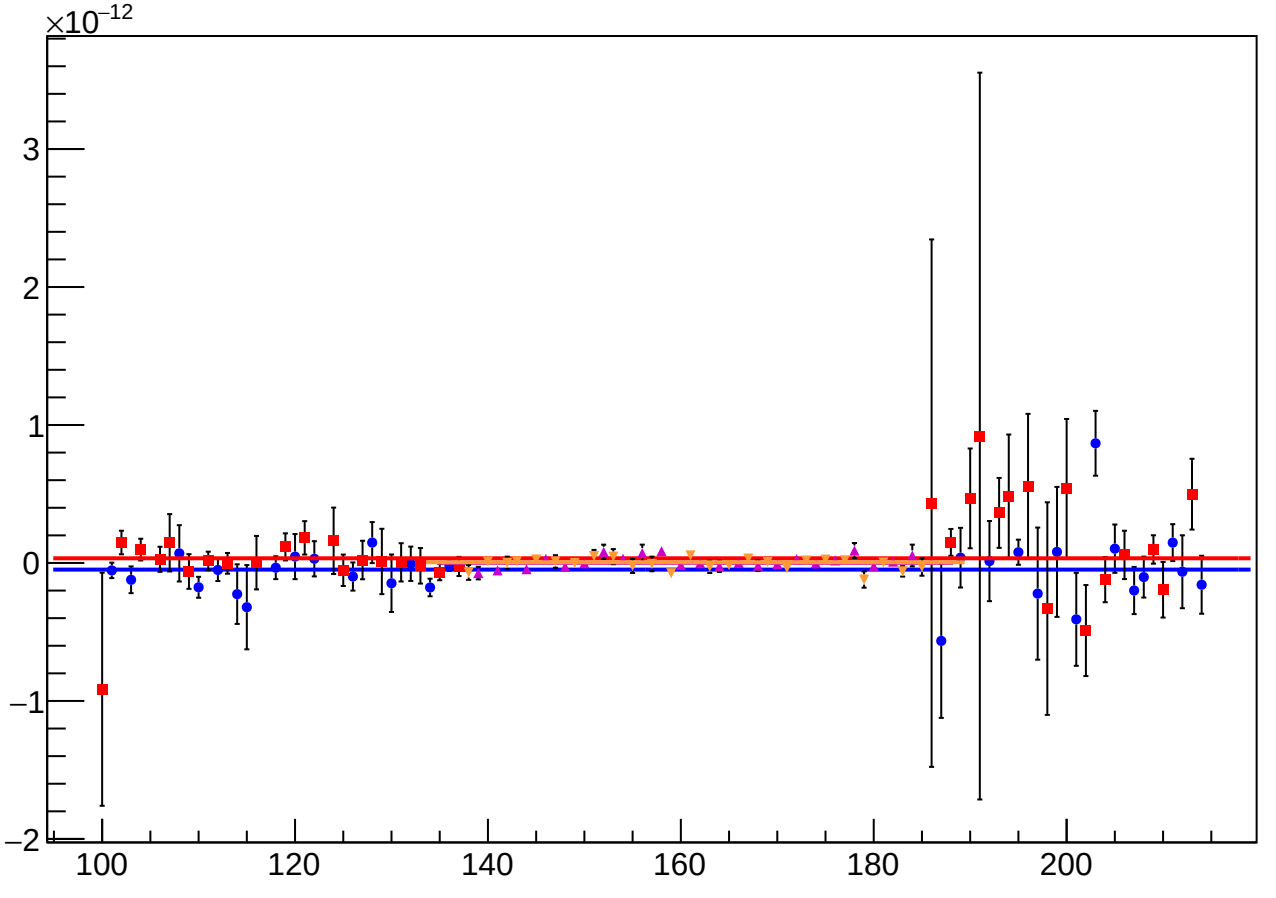
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1436.585+/-0.177 χ^2/NDF: 8265326.2/63

In: 1070.331+/-0.132 χ^2/NDF:7261948.3/52

Out: 1062.042+/-0.129 χ^2/NDF:8555029.2/58

All: 1066.086+/-0.092 χ^2/NDF: 15818990.6/1



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

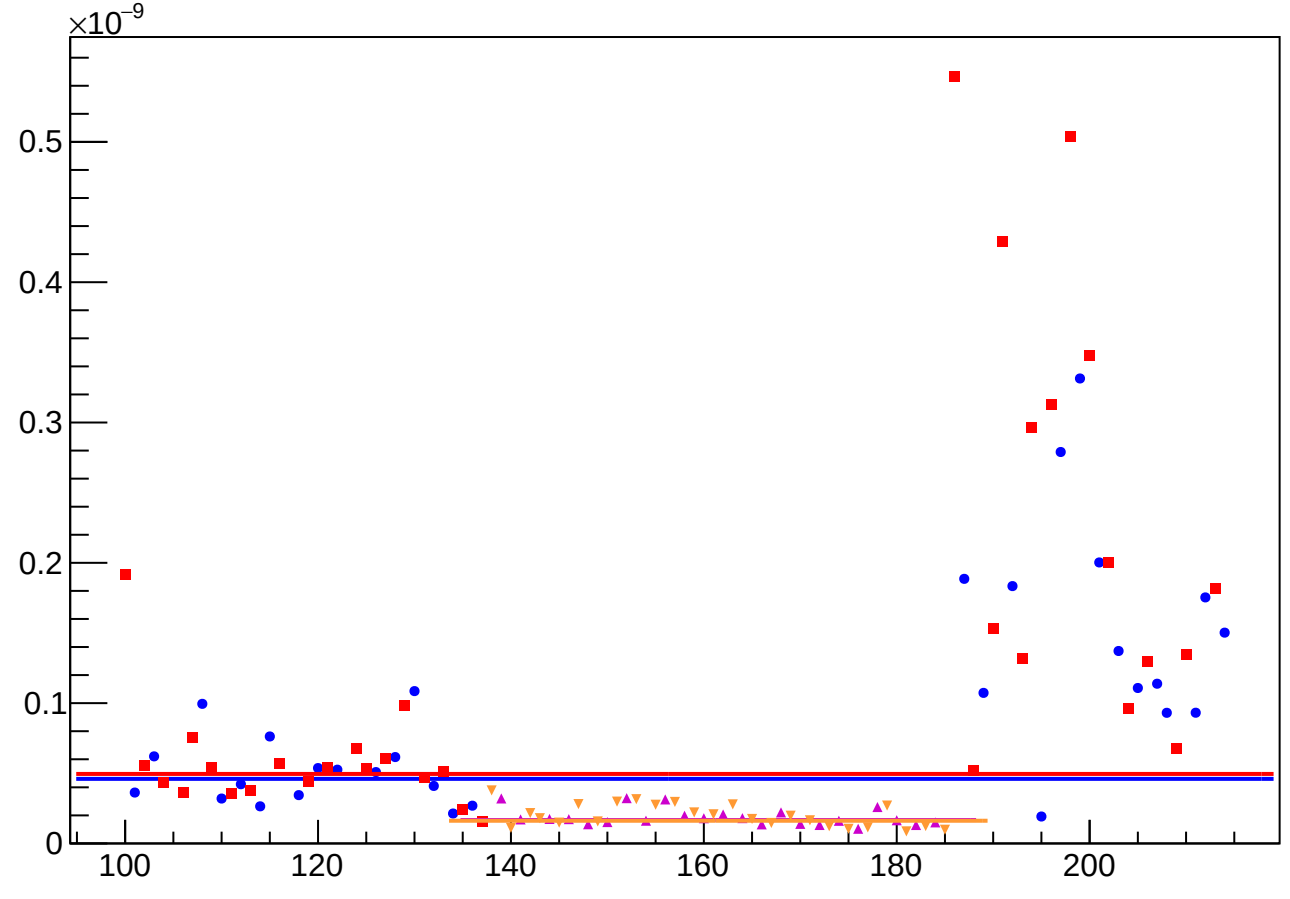
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 72.7/63

In: -0.000+/-0.000 χ^2/NDF:69.7/52

Out: 0.000+/-0.000 χ^2/NDF:55.2/58

All: 0.000+/-0.000 χ^2/NDF: 126.6/111



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

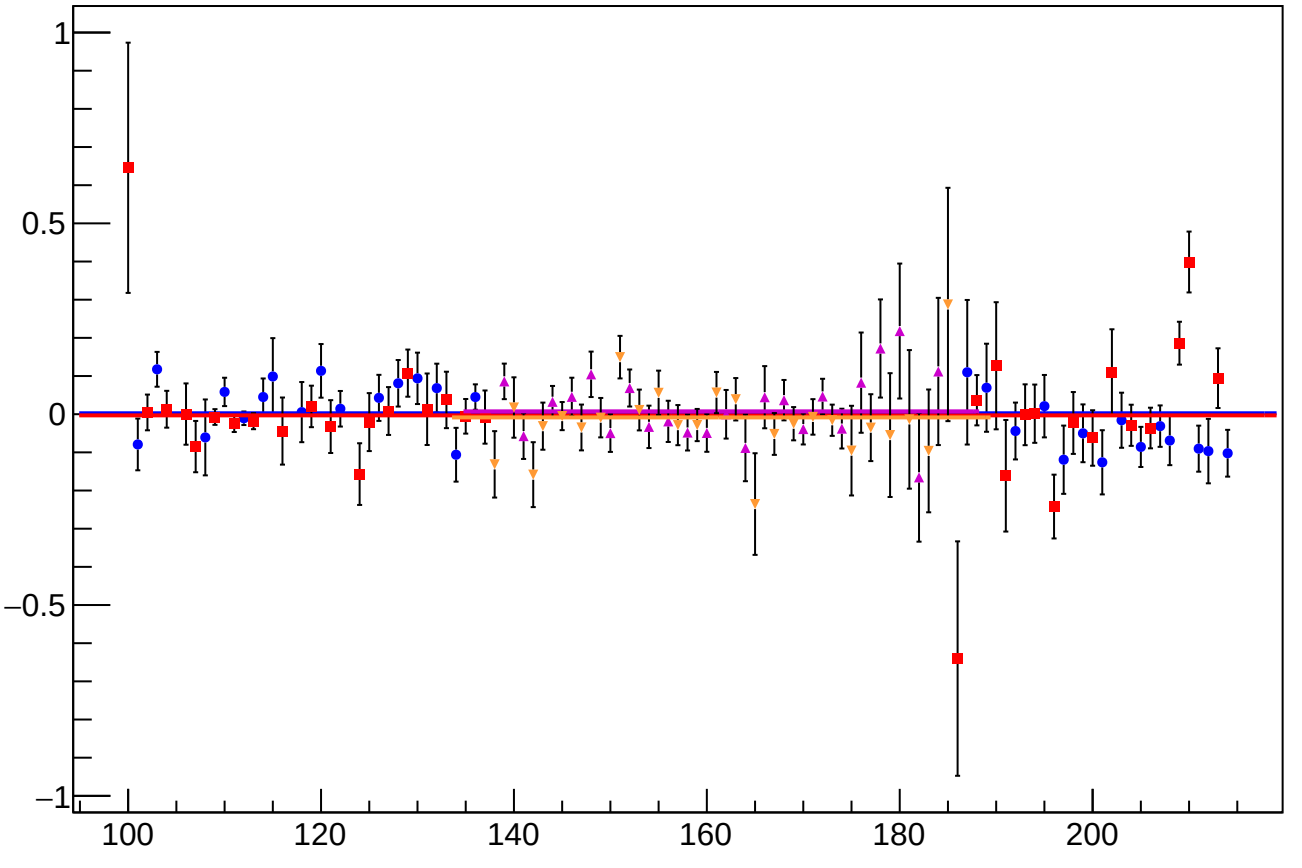
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12476182.9/63

In: 0.000+/-0.000 χ^2/NDF:10971982.6/52

Out: 0.000+/-0.000 χ^2/NDF:12816855.4/58

All: 0.000+/-0.000 χ^2/NDF: 23801806.5/111



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

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

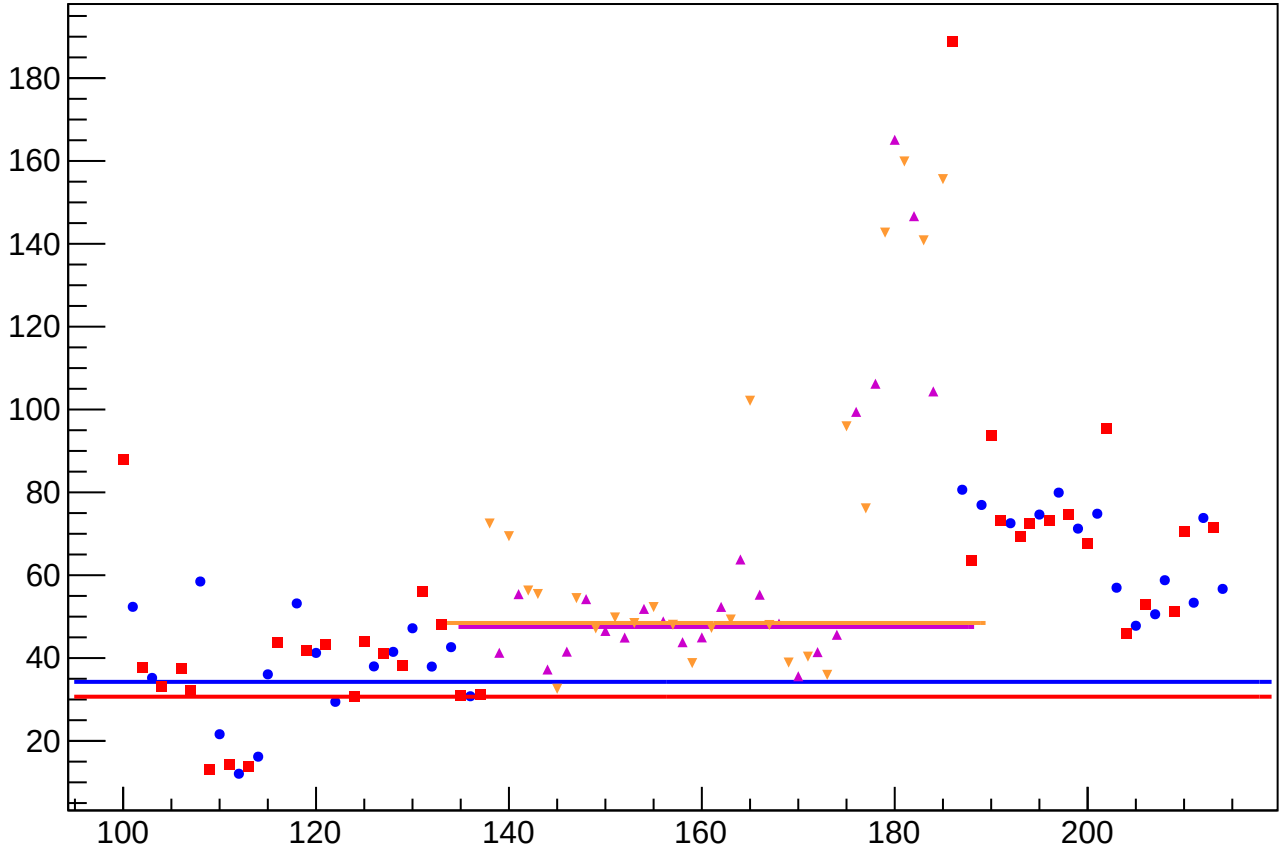
Right: -0.001+/-0.006 χ^2/NDF: 111.5/63

In: 0.004+/-0.008 χ^2/NDF:64.6/52

Out: -0.005+/-0.007 χ^2/NDF:93.4/58

All: -0.001+/-0.005 χ^2/NDF: 158.8/111

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

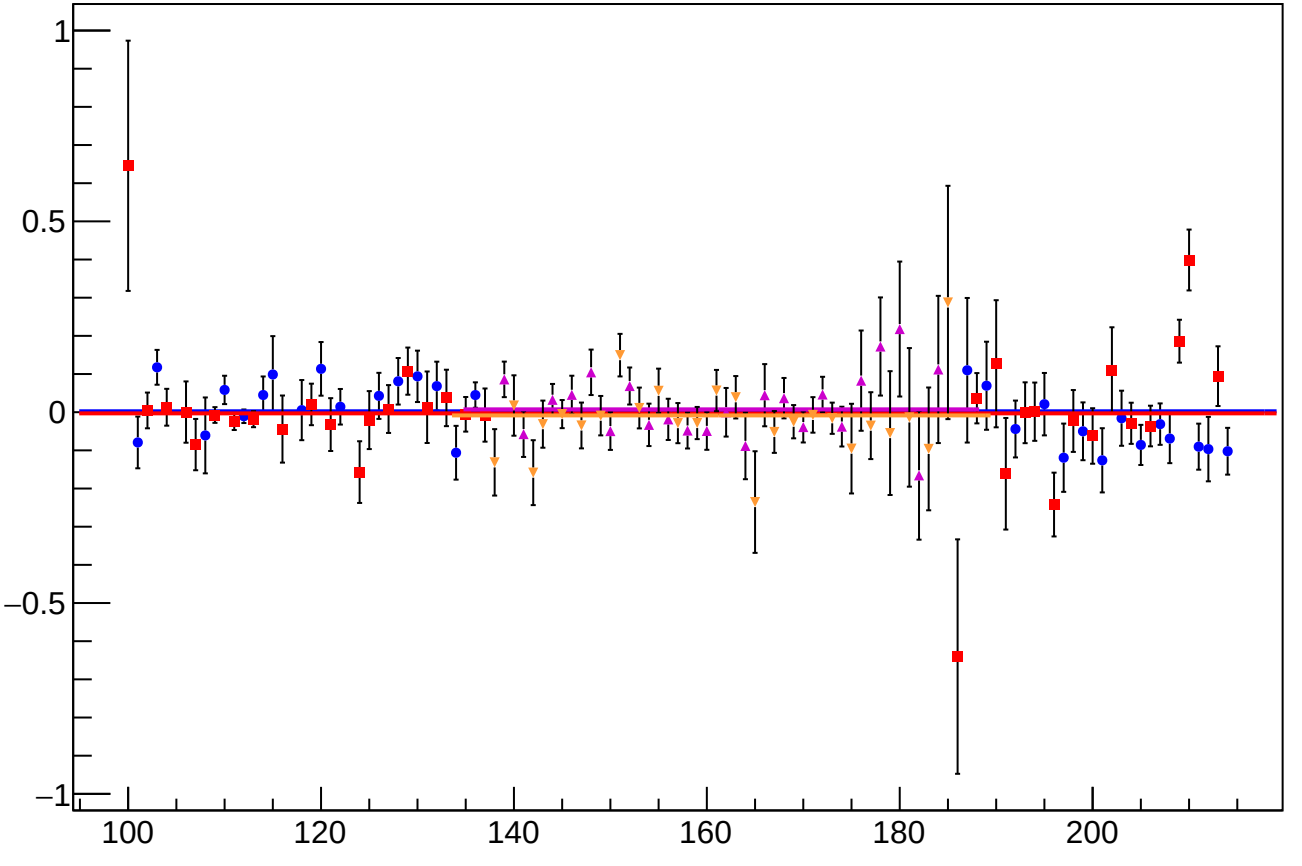
Right: 32.306+/-0.005 χ^2/NDF: 20138701.7/63

In: 39.409+/-0.005 χ^2/NDF:13365807.1/52

Out: 36.878+/-0.005 χ^2/NDF:18414455.1/58

All: 38.072+/-0.004 χ^2/NDF: 31900531.2/11

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

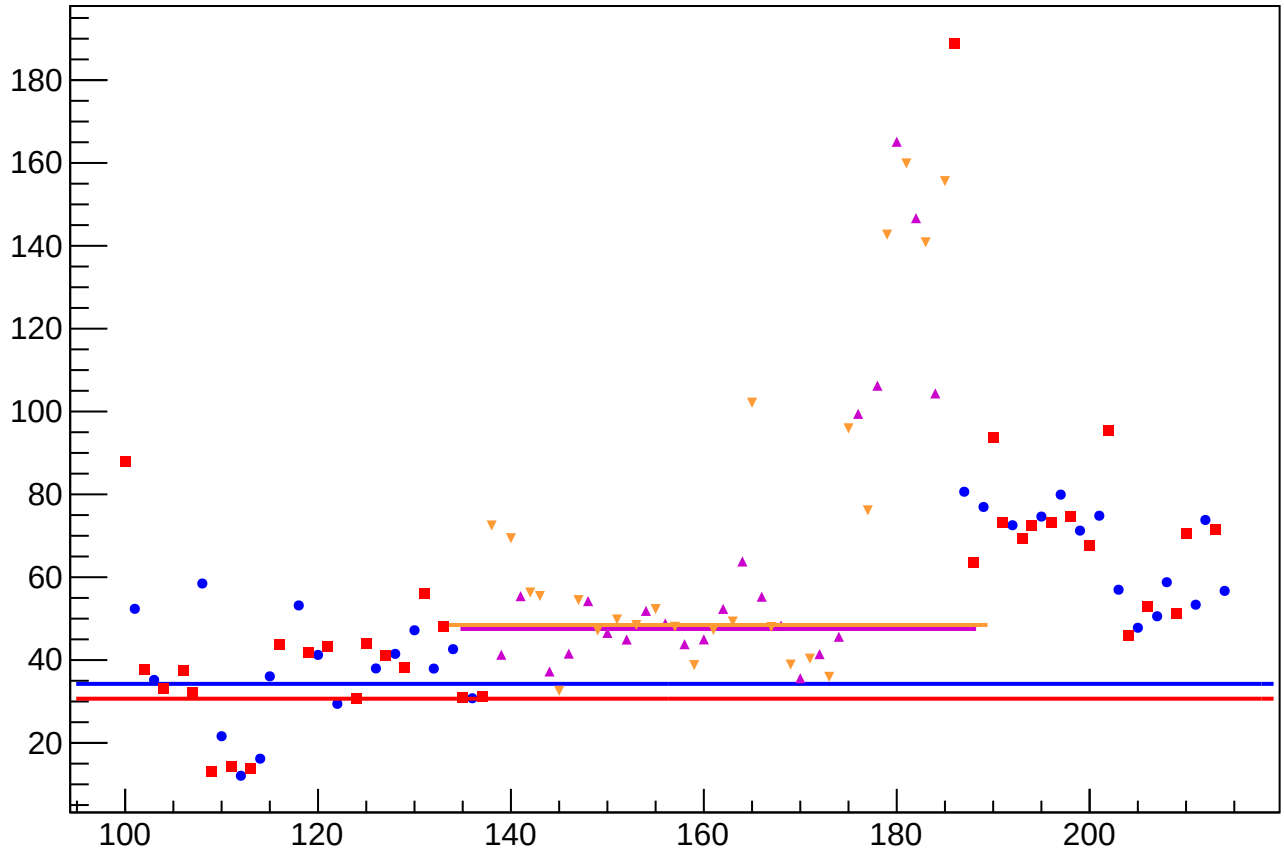
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: -0.001+/-0.006 χ^2/NDF: 111.5/63

In: 0.004+/-0.008 χ^2/NDF:64.6/52

Out: -0.005+/-0.007 χ^2/NDF:93.4/58

All: -0.001+/-0.005 χ^2/NDF: 158.8/111



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

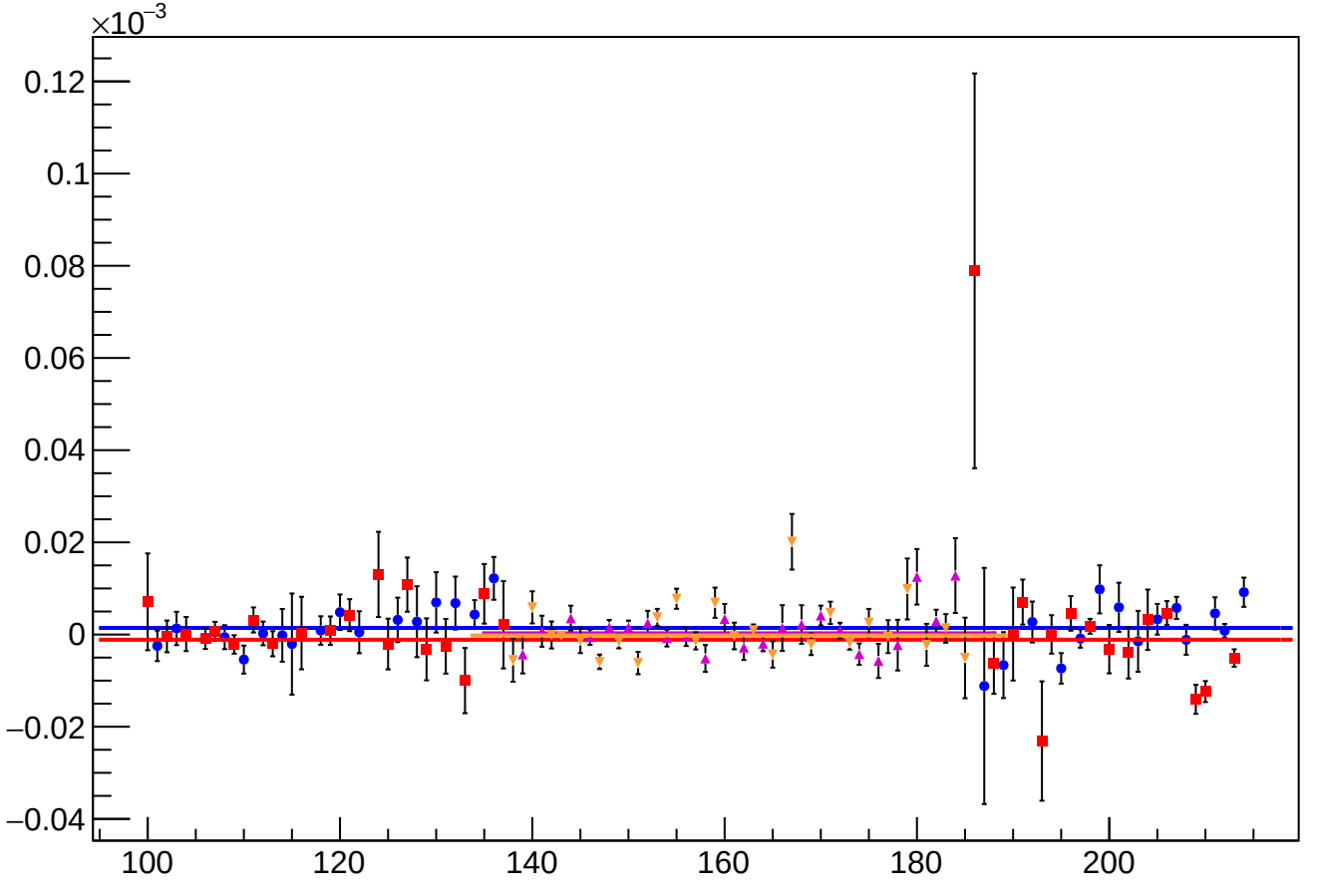
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 32.306+/-0.005 χ^2/NDF: 20138701.7/63

In: 39.409+/-0.005 χ^2/NDF:13365807.1/52

Out: 36.878+/-0.005 χ^2/NDF:18414455.1/58

All: 38.072+/-0.004 χ^2/NDF: 31900531.2/111



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

Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

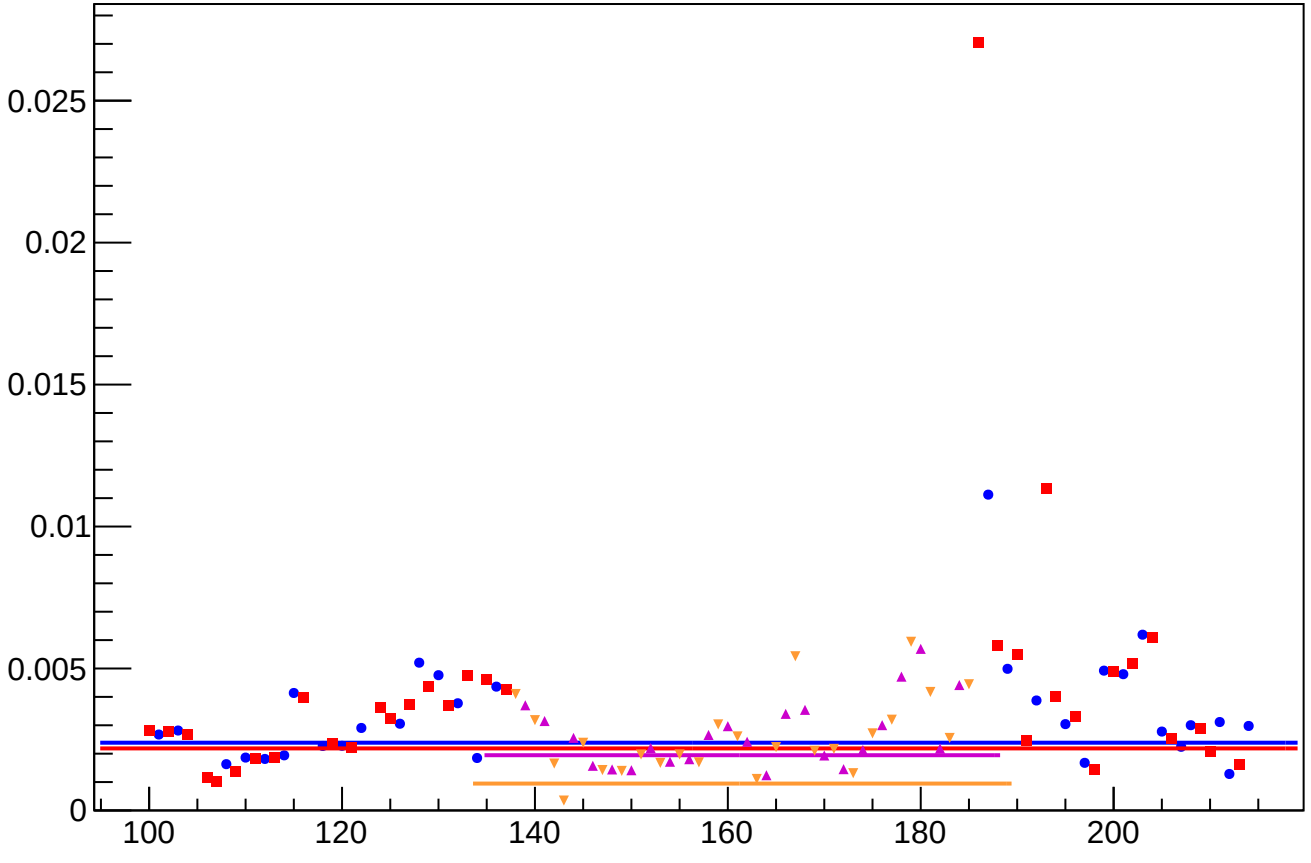
Right: 0.000+/-0.000 χ^2/NDF: 135.0/63

In: 0.000+/-0.000 χ^2/NDF:74.0/52

Out: -0.000+/-0.000 χ^2/NDF:158.7/58

All: -0.000+/-0.000 χ^2/NDF: 238.3/111

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

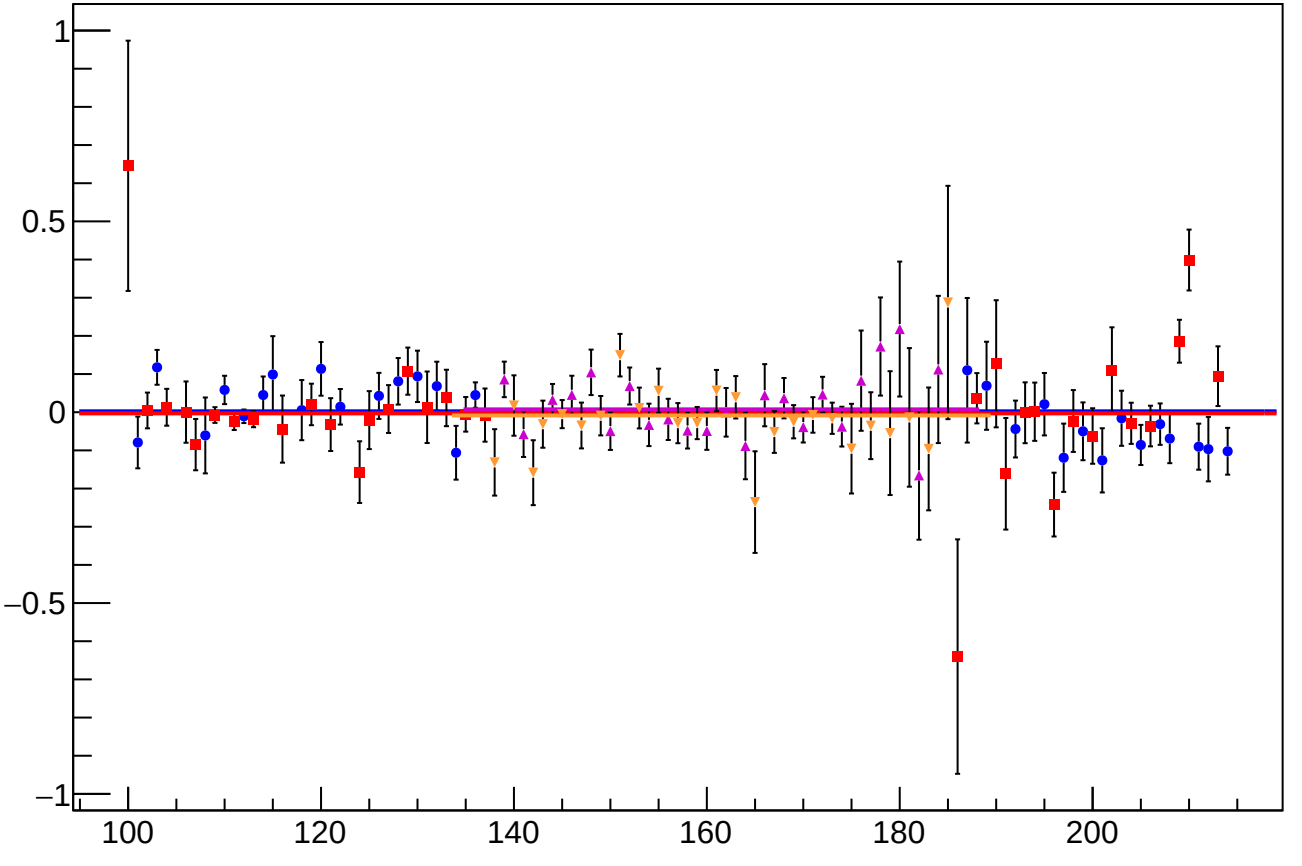
Right: 0.002+/-0.000 χ^2/NDF: 14172543.9/63

In: 0.002+/-0.000 χ^2/NDF:10497438.0/52

Out: 0.001+/-0.000 χ^2/NDF:33236408.8/58

All: 0.002+/-0.000 χ^2/NDF: 51213708.8/111

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

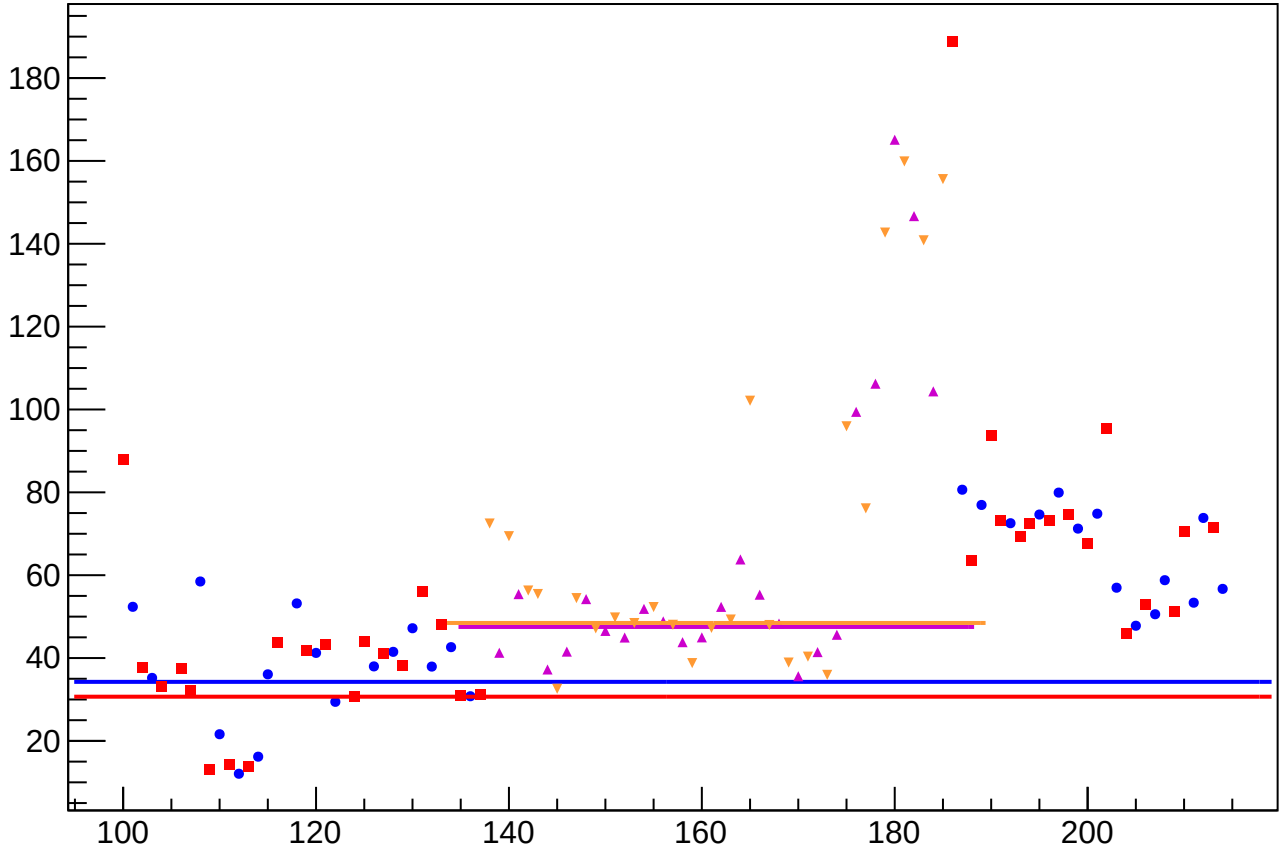
Right: -0.001+/-0.006 χ^2/NDF: 111.5/63

In: 0.004+/-0.008 χ^2/NDF:64.6/52

Out: -0.005+/-0.007 χ^2/NDF:93.4/58

All: -0.001+/-0.005 χ^2/NDF: 158.8/111

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

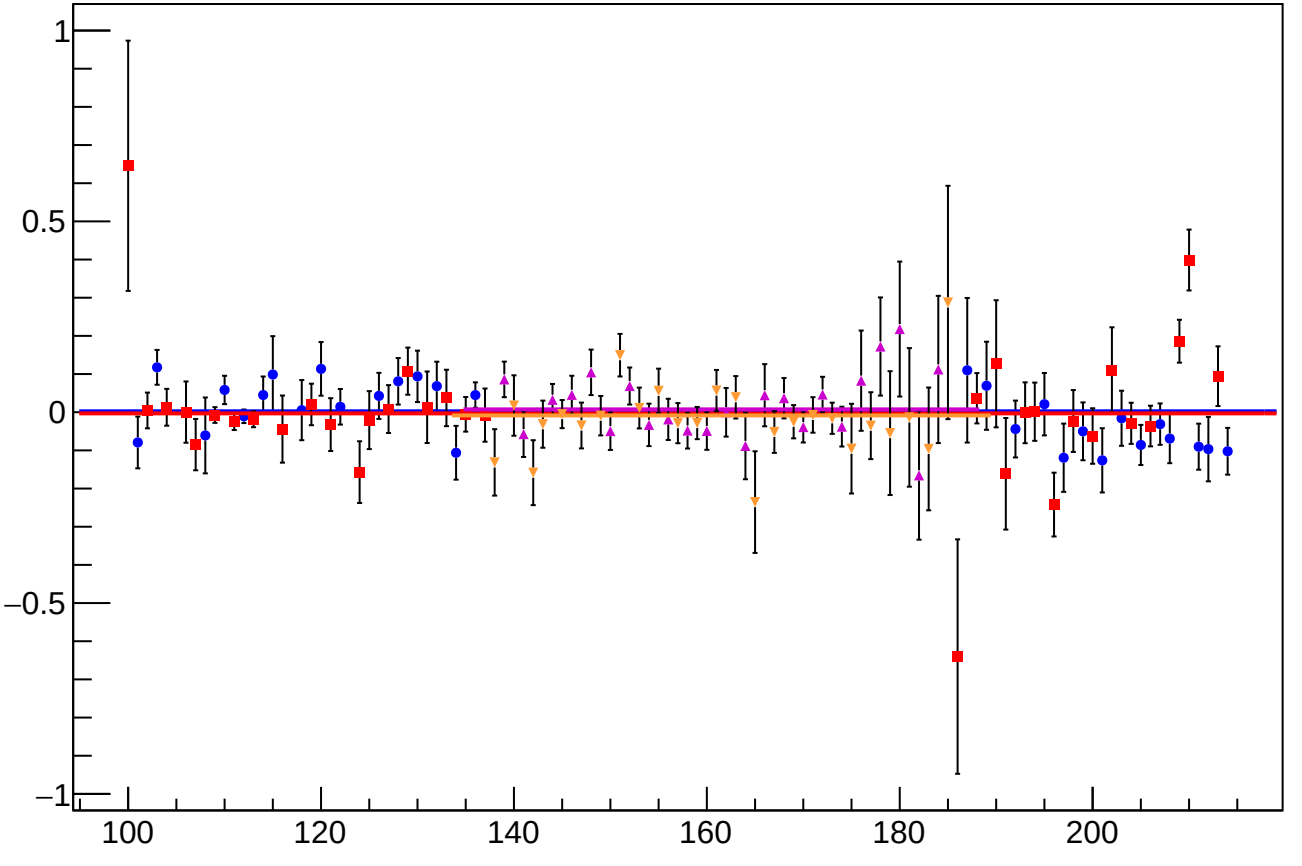
Right: 32.305+/-0.005 χ^2/NDF: 20139788.8/63

In: 39.408+/-0.005 χ^2/NDF:13367014.6/52

Out: 36.878+/-0.005 χ^2/NDF:18414911.4/58

All: 38.071+/-0.004 χ^2/NDF: 31902130.2/111

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

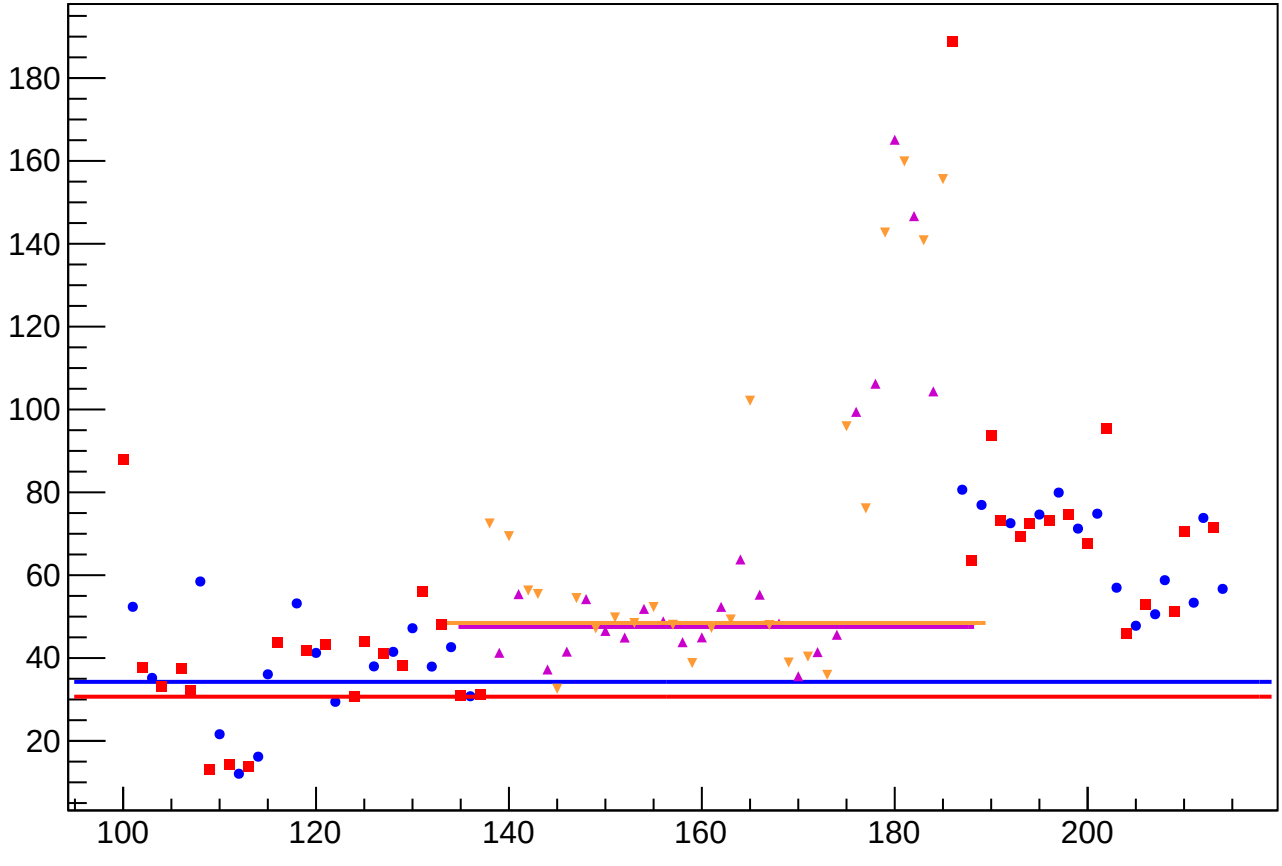
Right: -0.001+/-0.006 χ^2/NDF: 111.5/63

In: 0.004+/-0.008 χ^2/NDF:64.6/52

Out: -0.005+/-0.007 χ^2/NDF:93.4/58

All: -0.001+/-0.005 χ^2/NDF: 158.8/111

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

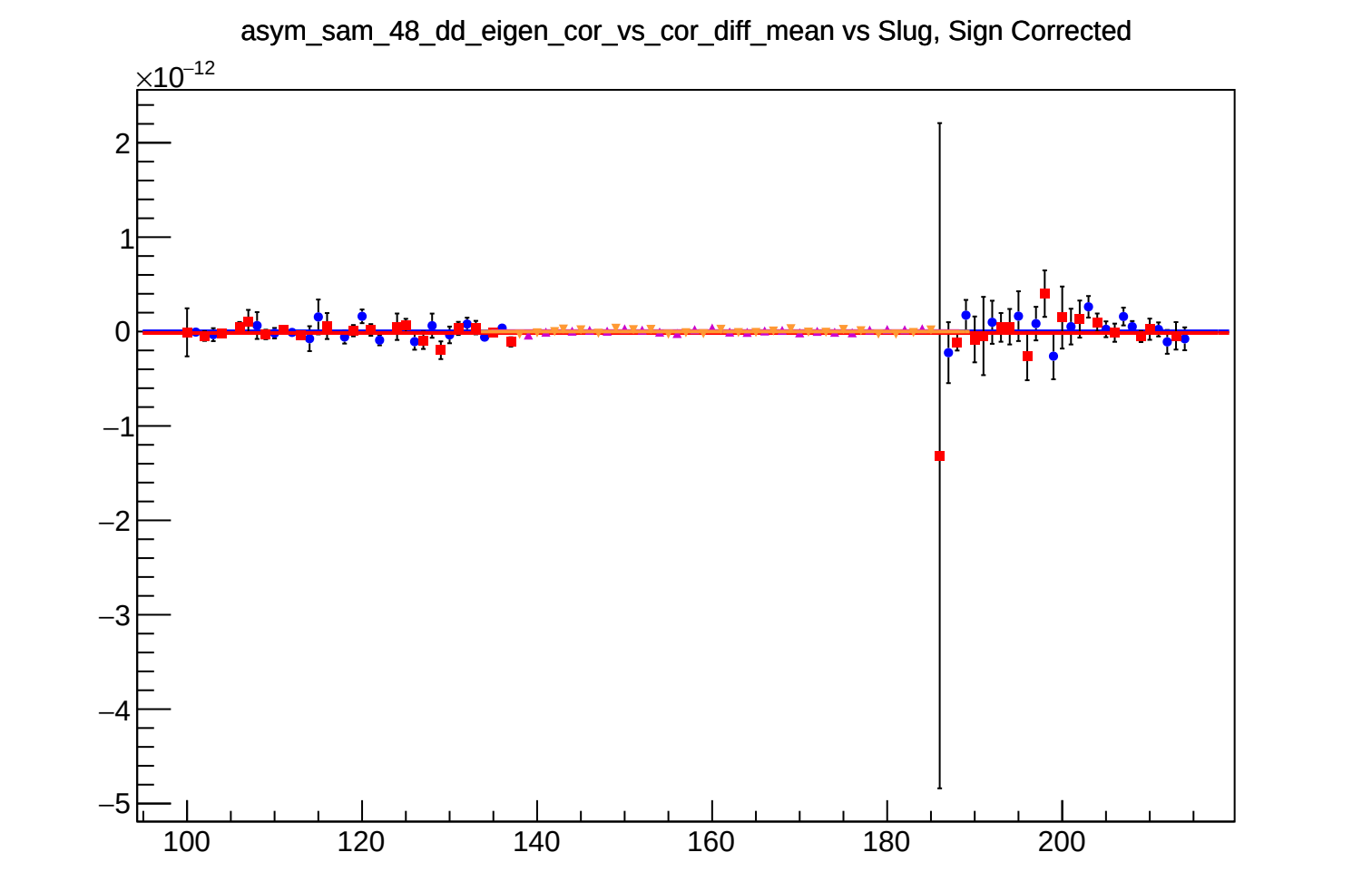
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 32.305+/-0.005 χ^2/NDF: 20139788.8/63

In: 39.408+/-0.005 χ^2/NDF:13367014.6/52

Out: 36.878+/-0.005 χ^2/NDF:18414911.4/58

All: 38.071+/-0.004 χ^2/NDF: 31902130.2/111



Right In: 0.000+/-0.000 χ^2/NDF: 32.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/33

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

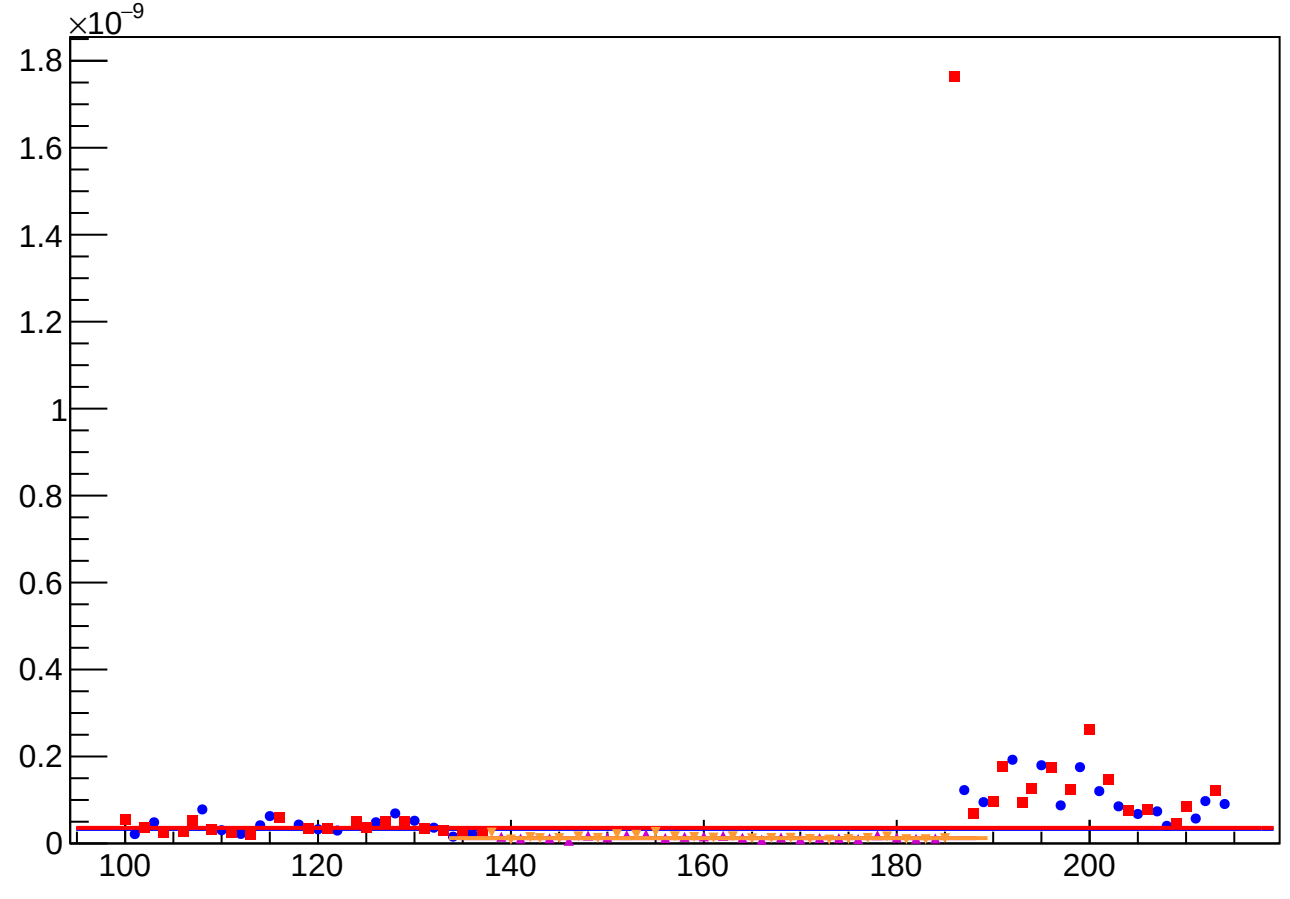
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 57.2/63

In: 0.000+/-0.000 χ^2/NDF:52.0/52

Out: -0.000+/-0.000 χ^2/NDF:56.1/58

All: 0.000+/-0.000 χ^2/NDF: 109.8/111



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

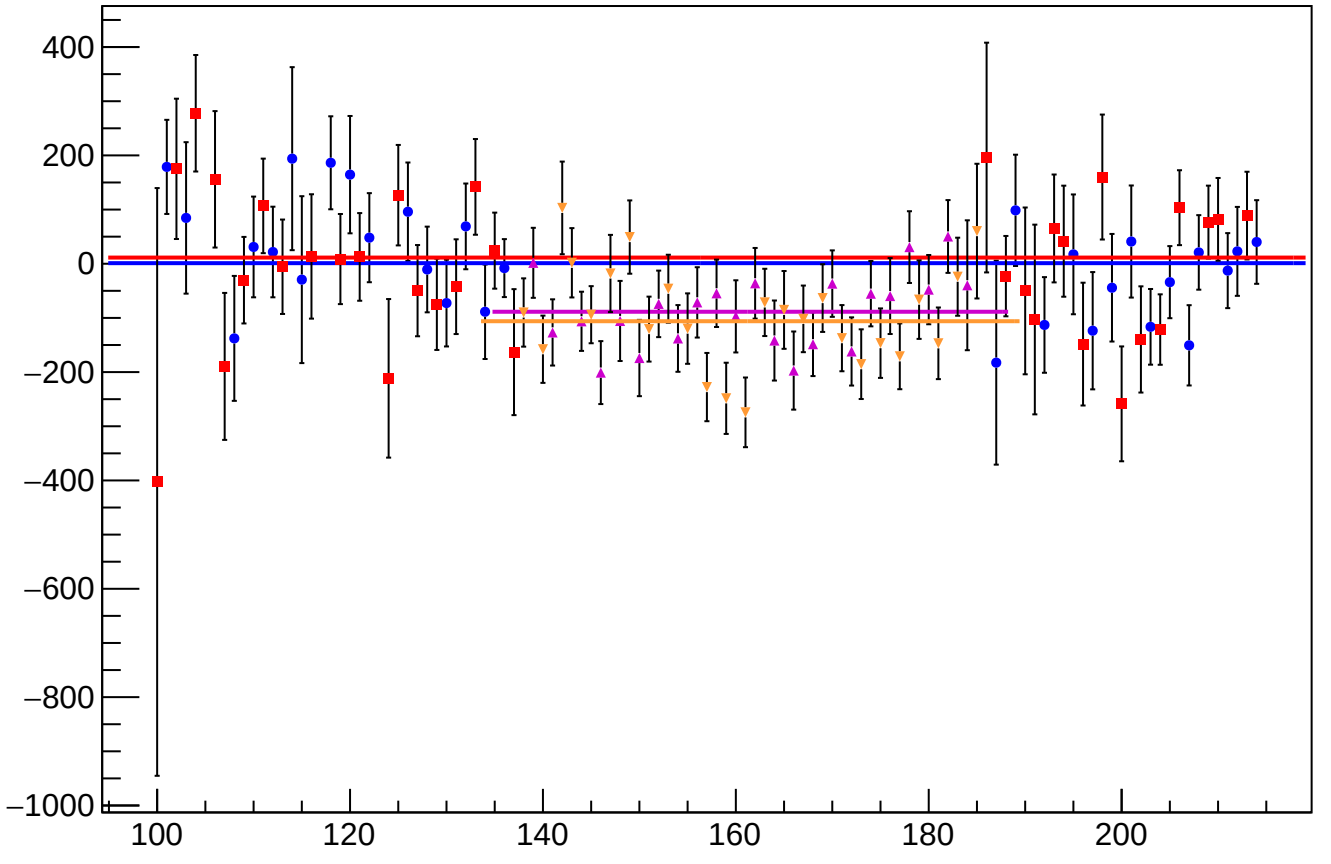
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 15585643.4/63

In: 0.000+/-0.000 χ^2/NDF:15816841.3/52

Out: 0.000+/-0.000 χ^2/NDF:16322889.3/58

All: 0.000+/-0.000 χ^2/NDF: 32139806.8/111



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

Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

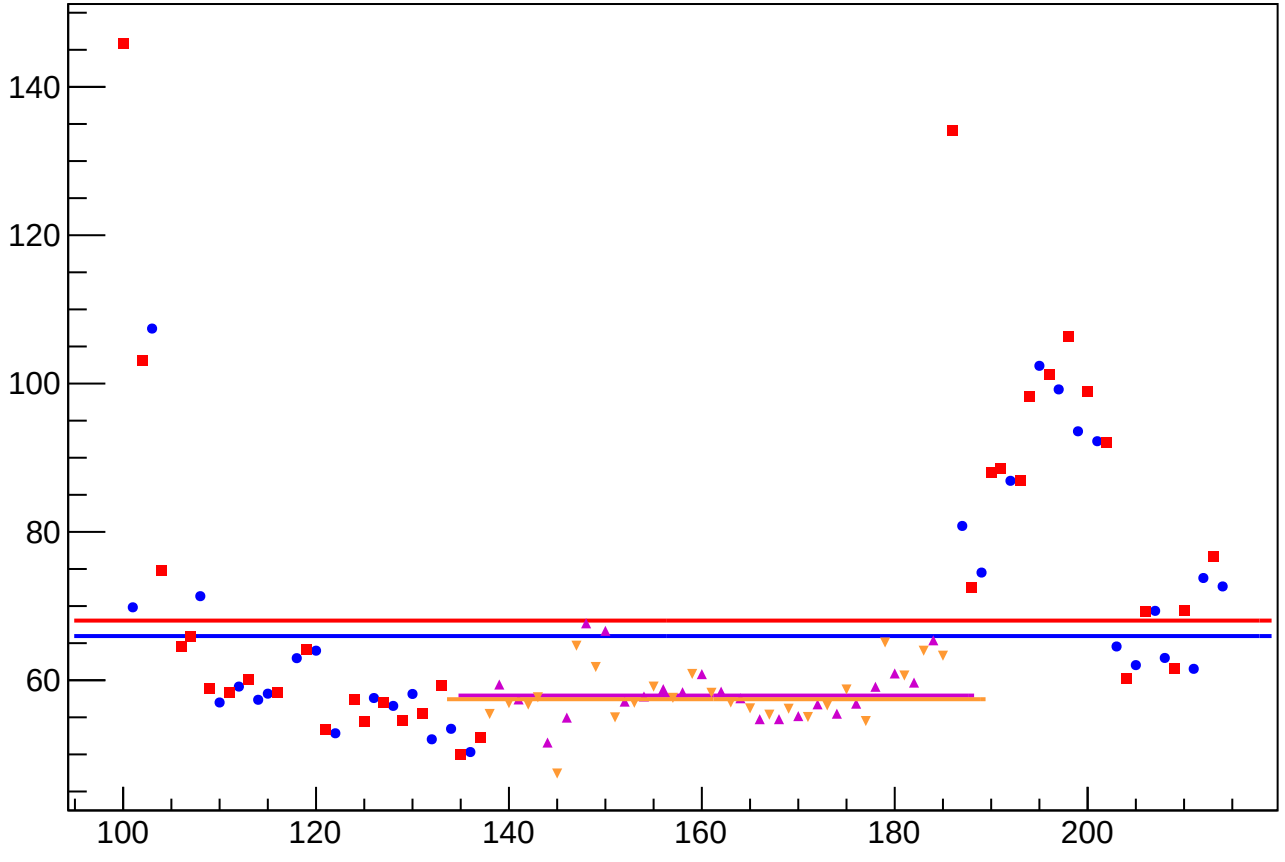
Right: 6.133+/-11.282 χ^2/NDF: 78.5/63

In: -50.569+/-10.294 χ^2/NDF:74.0/52

Out: -59.384+/-10.159 χ^2/NDF:119.4/58

All: -55.035+/-7.231 χ^2/NDF: 193.8/111

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

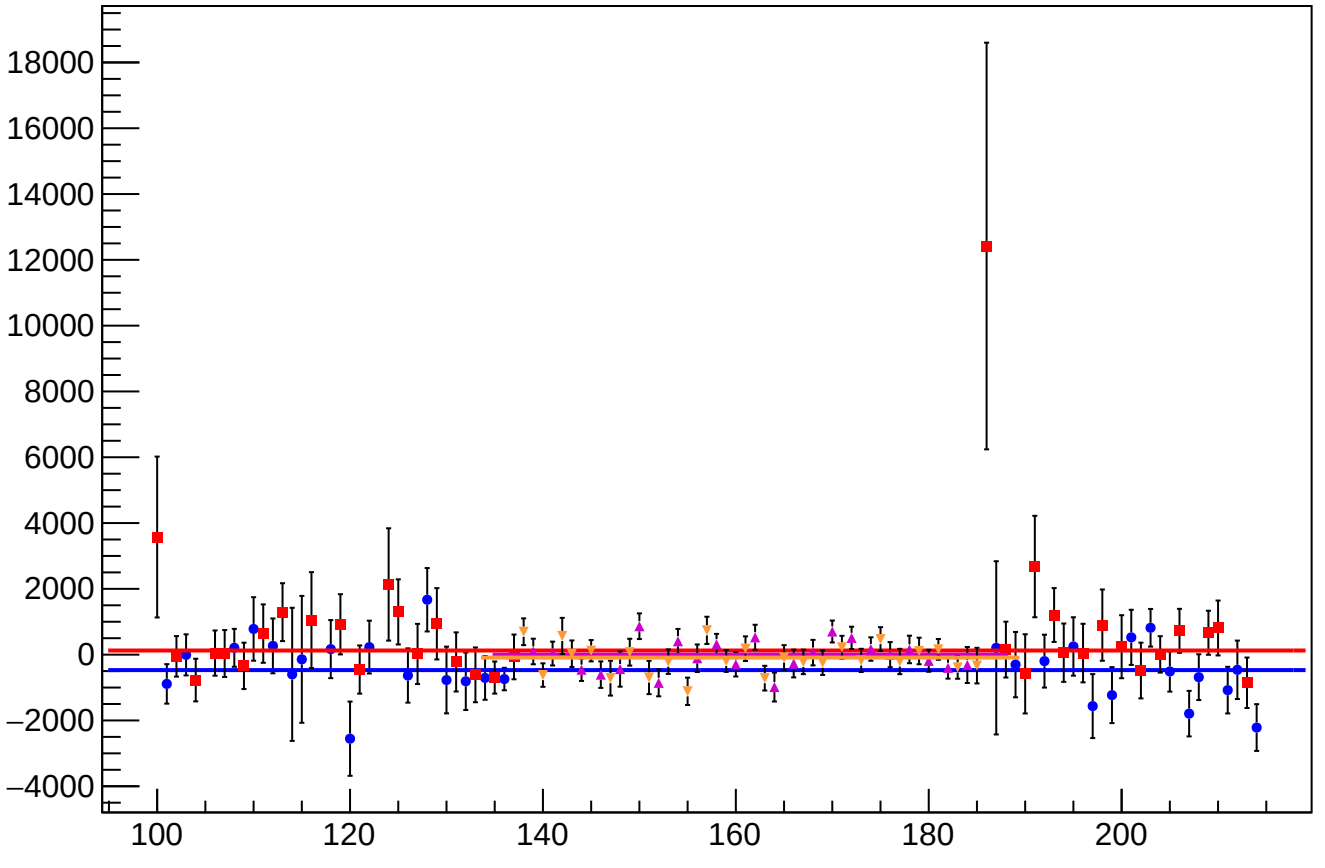
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.979+/-0.008 χ^2/NDF: 3501563.6/63

In: 61.336+/-0.007 χ^2/NDF:1936297.1/52

Out: 61.656+/-0.007 χ^2/NDF:2677205.6/58

All: 61.498+/-0.005 χ^2/NDF: 4614478.6/111



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

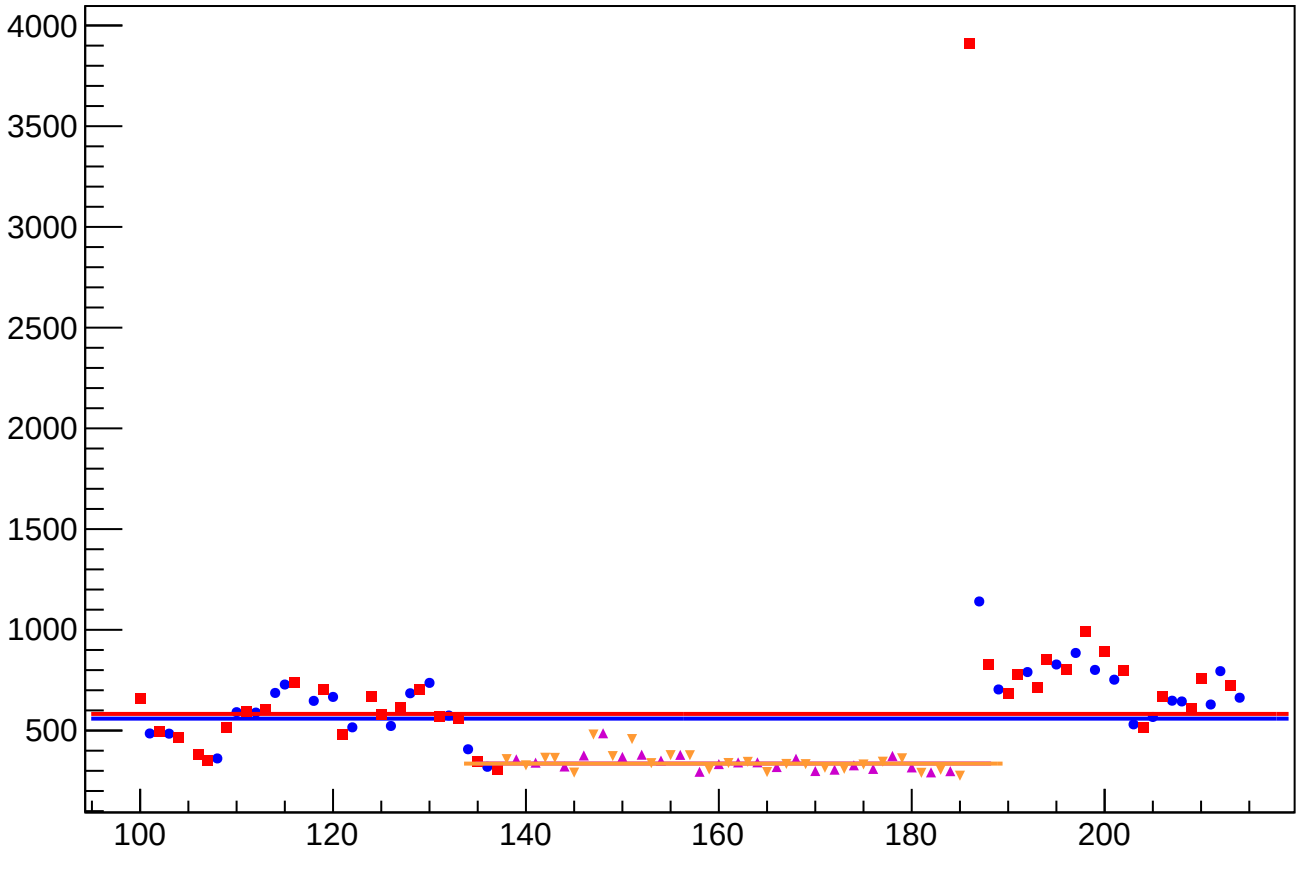
Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

Right: -180.444+/-97.965 χ^2/NDF: 73.9/63

In: -120.460+/-68.510 χ^2/NDF:77.8/52

Out: -39.411+/-67.542 χ^2/NDF:60.9/58

All: -79.359+/-48.098 χ^2/NDF: 139.4/111



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

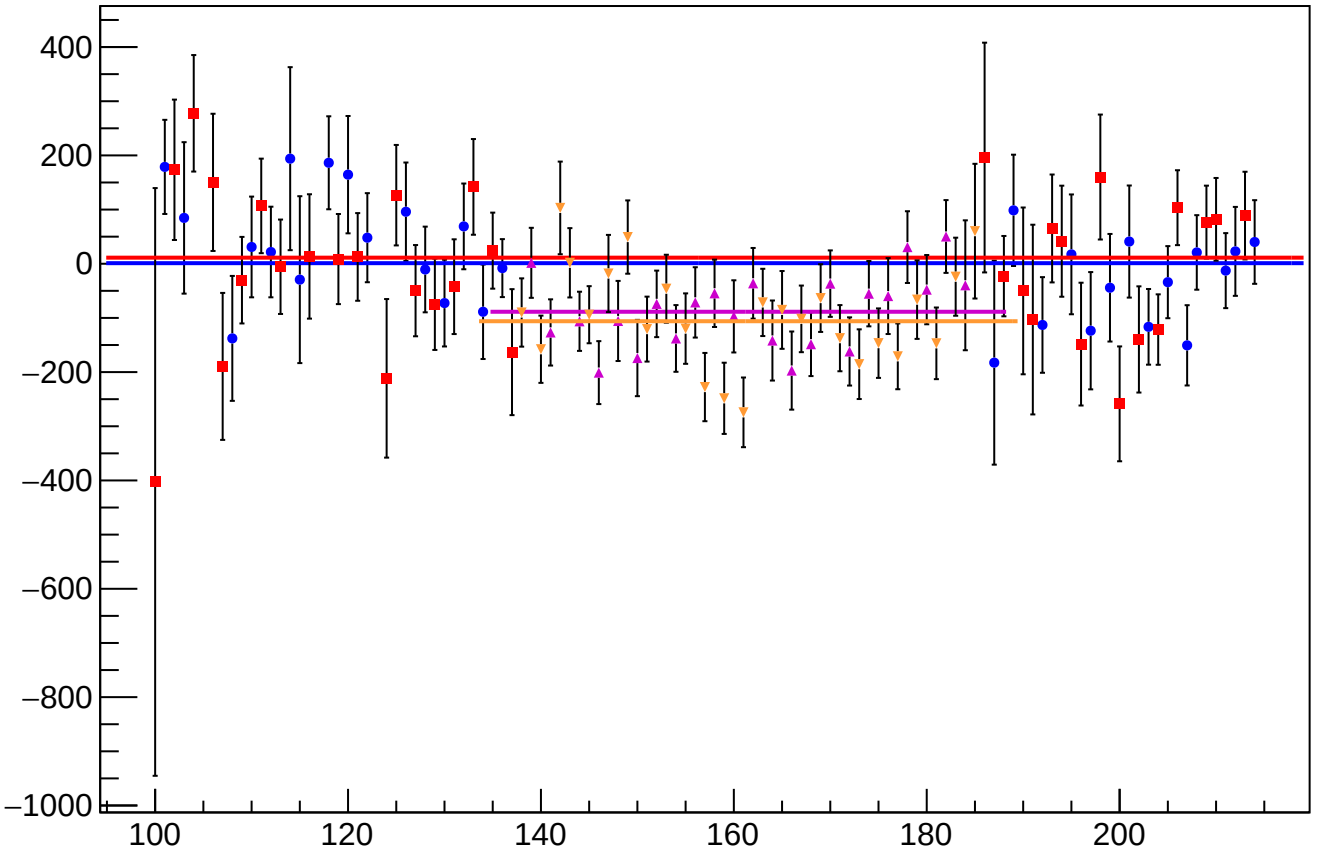
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 570.520+/-0.069 χ^2/NDF: 6269626.9/63

In: 392.409+/-0.048 χ^2/NDF:7201877.1/52

Out: 392.818+/-0.048 χ^2/NDF:8706195.1/58

All: 392.617+/-0.034 χ^2/NDF: 15908108.3/11



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

Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

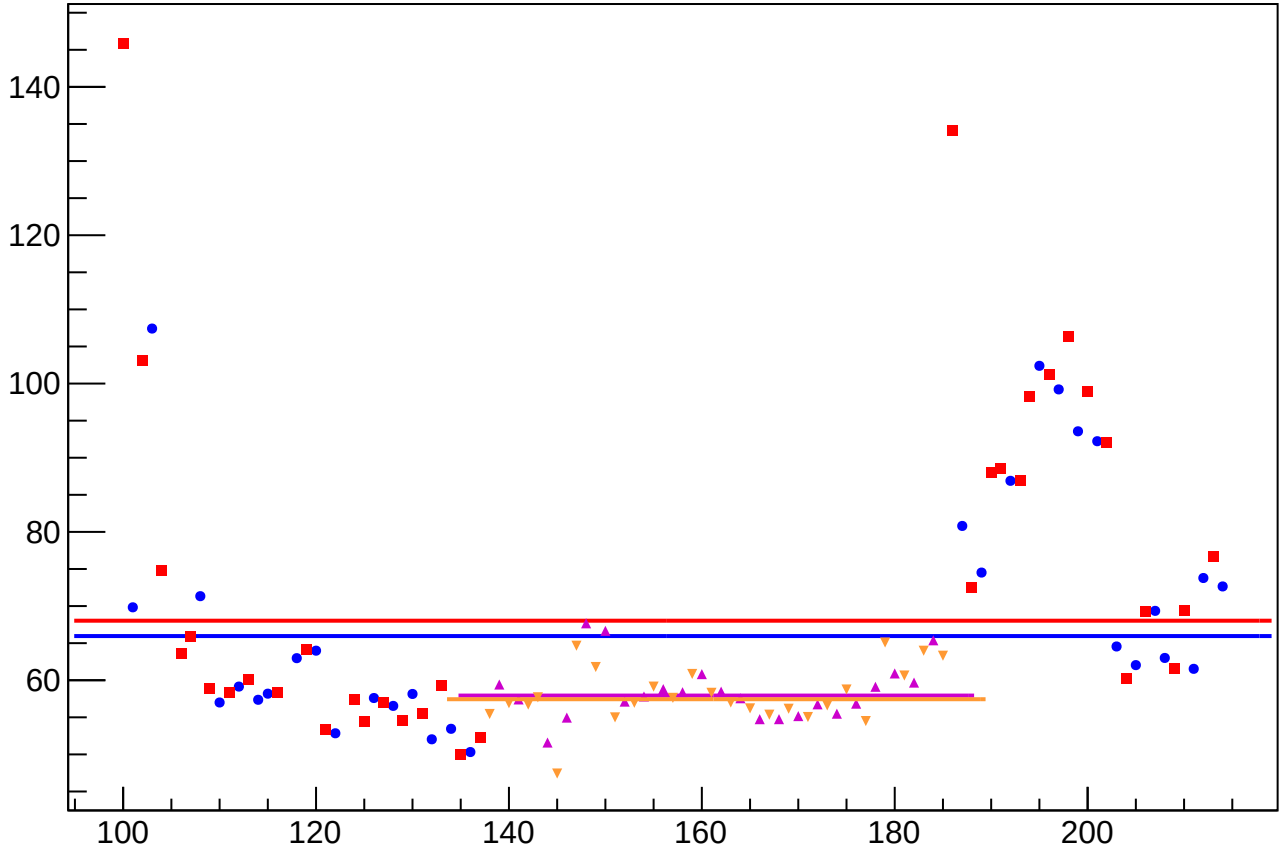
Right: 6.059+/-11.283 χ^2/NDF: 78.3/63

In: -50.571+/-10.294 χ^2/NDF:74.0/52

Out: -59.448+/-10.159 χ^2/NDF:119.2/58

All: -55.068+/-7.231 χ^2/NDF: 193.6/111

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

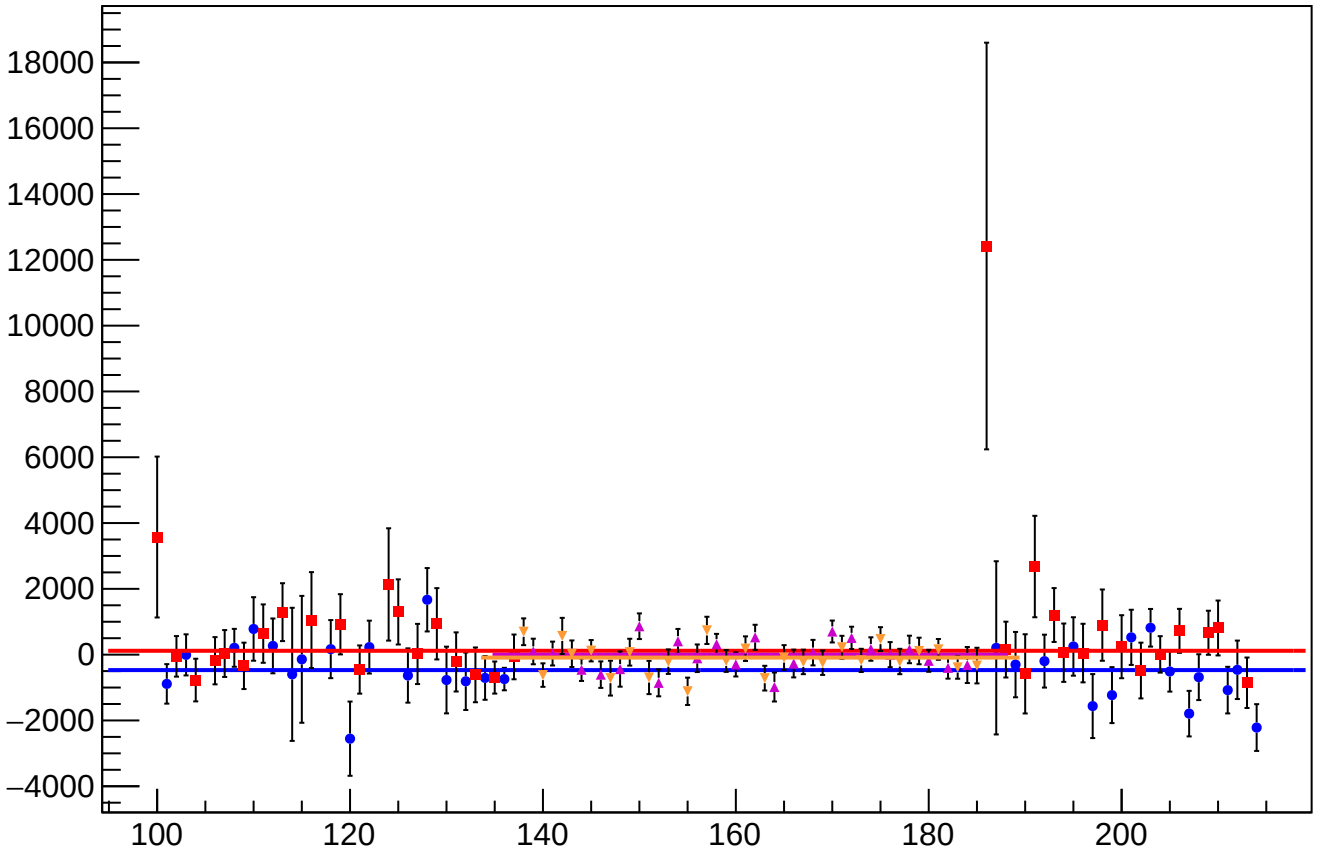
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.972+/-0.008 χ^2/NDF: 3502480.6/63

In: 61.336+/-0.007 χ^2/NDF:1936299.1/52

Out: 61.649+/-0.007 χ^2/NDF:2676817.2/58

All: 61.495+/-0.005 χ^2/NDF: 4614052.8/111



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

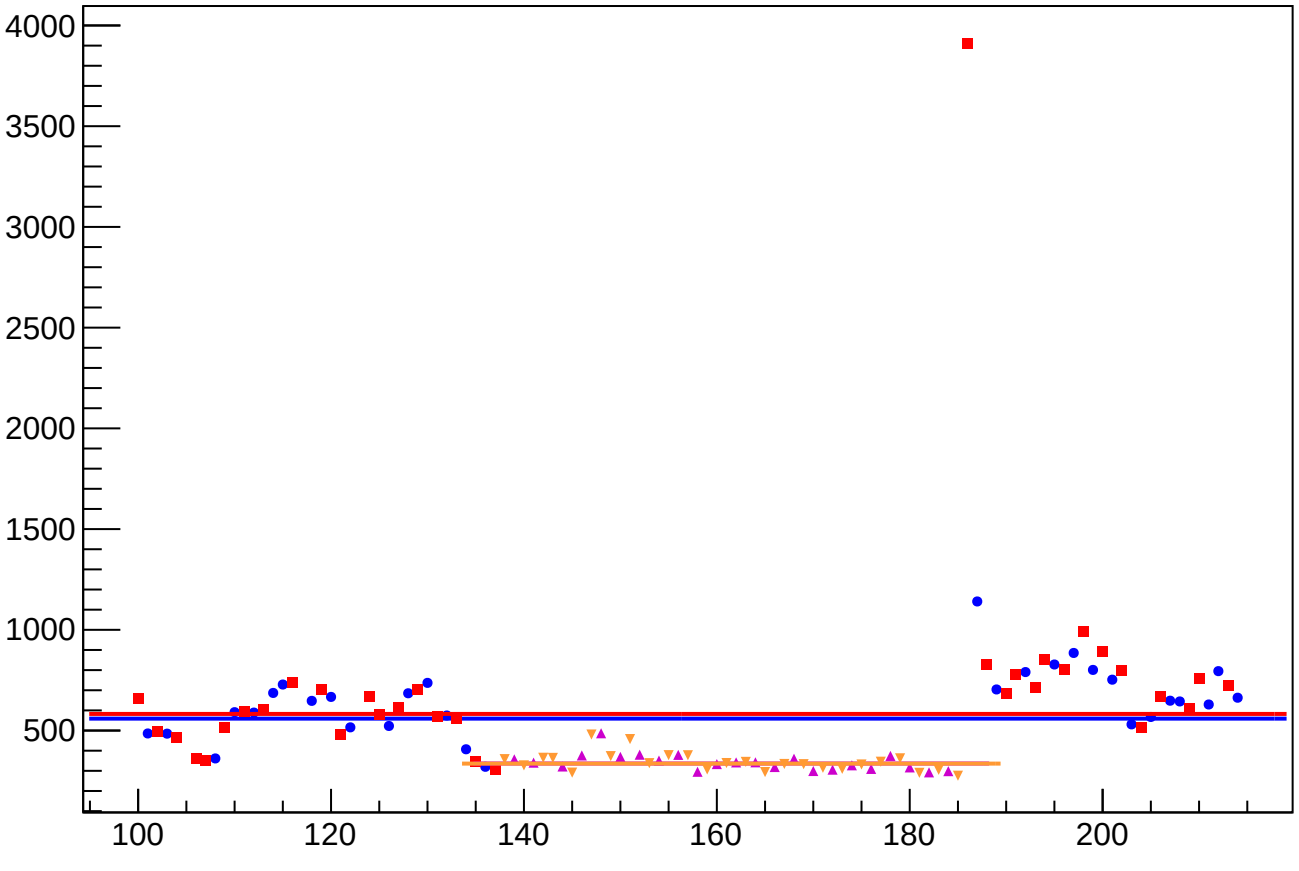
Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

Right: -185.173+/-98.052 χ^2/NDF: 73.8/63

In: -120.457+/-68.510 χ^2/NDF:77.8/52

Out: -41.545+/-67.570 χ^2/NDF:60.9/58

All: -80.456+/-48.108 χ^2/NDF: 139.4/111



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

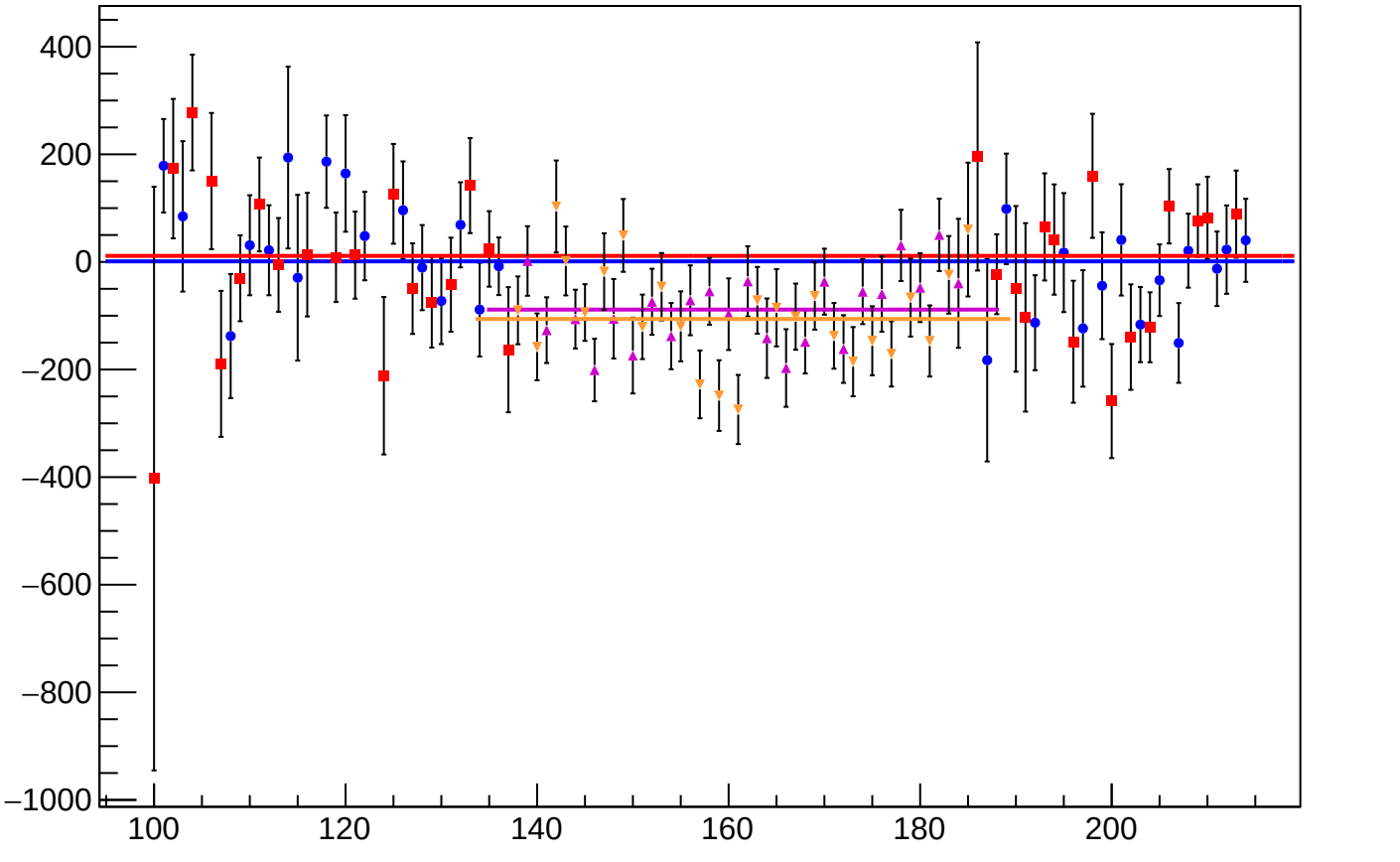
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 570.470+/-0.069 χ^2/NDF: 6288810.5/63

In: 392.410+/-0.048 χ^2/NDF:7201906.2/52

Out: 392.645+/-0.048 χ^2/NDF:8710051.4/58

All: 392.529+/-0.034 χ^2/NDF: 15911969.7/11



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

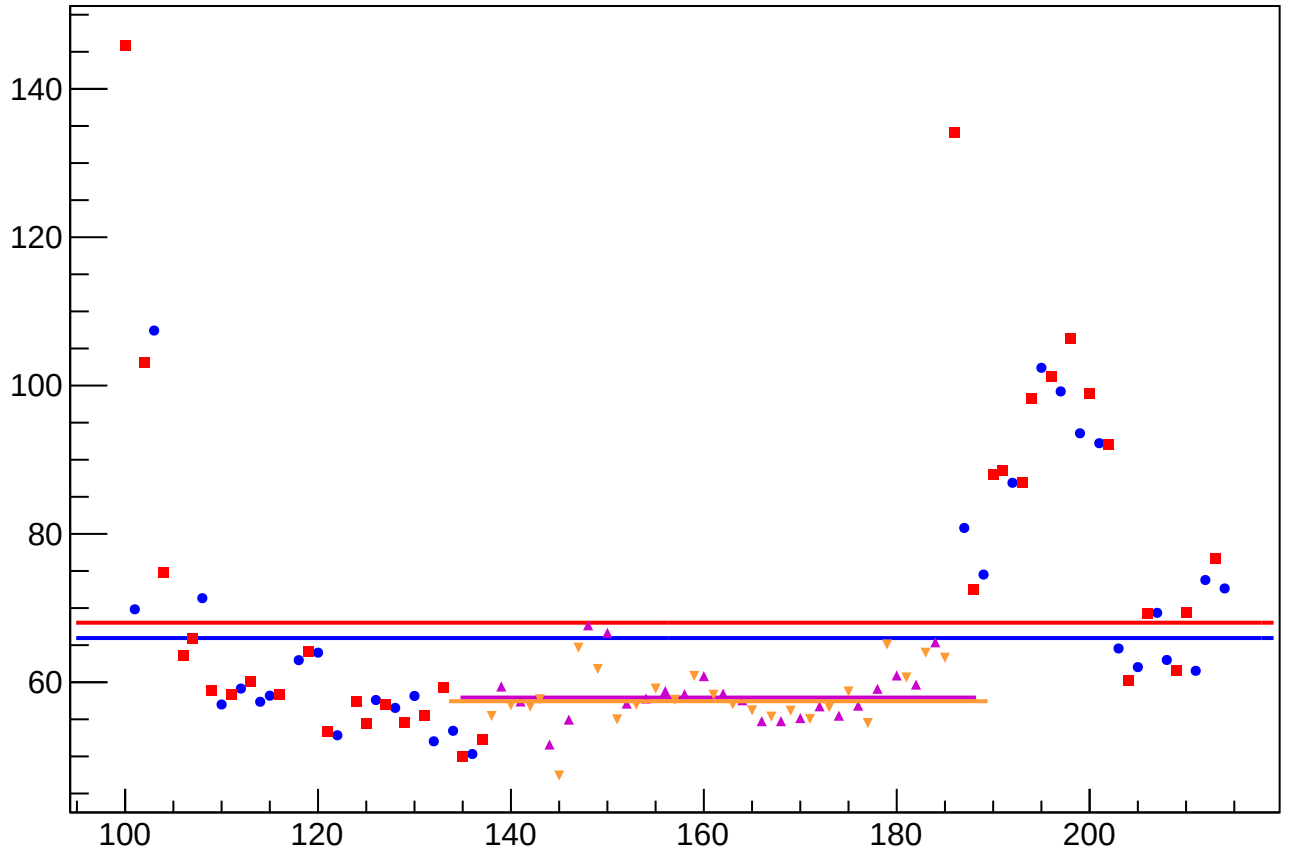
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 6.059+/-11.283 χ^2/NDF: 78.3/63

In: -50.571+/-10.294 χ^2/NDF:74.0/52

Out: -59.448+/-10.159 χ^2/NDF:119.2/58

All: -55.068+/-7.231 χ^2/NDF: 193.6/111



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

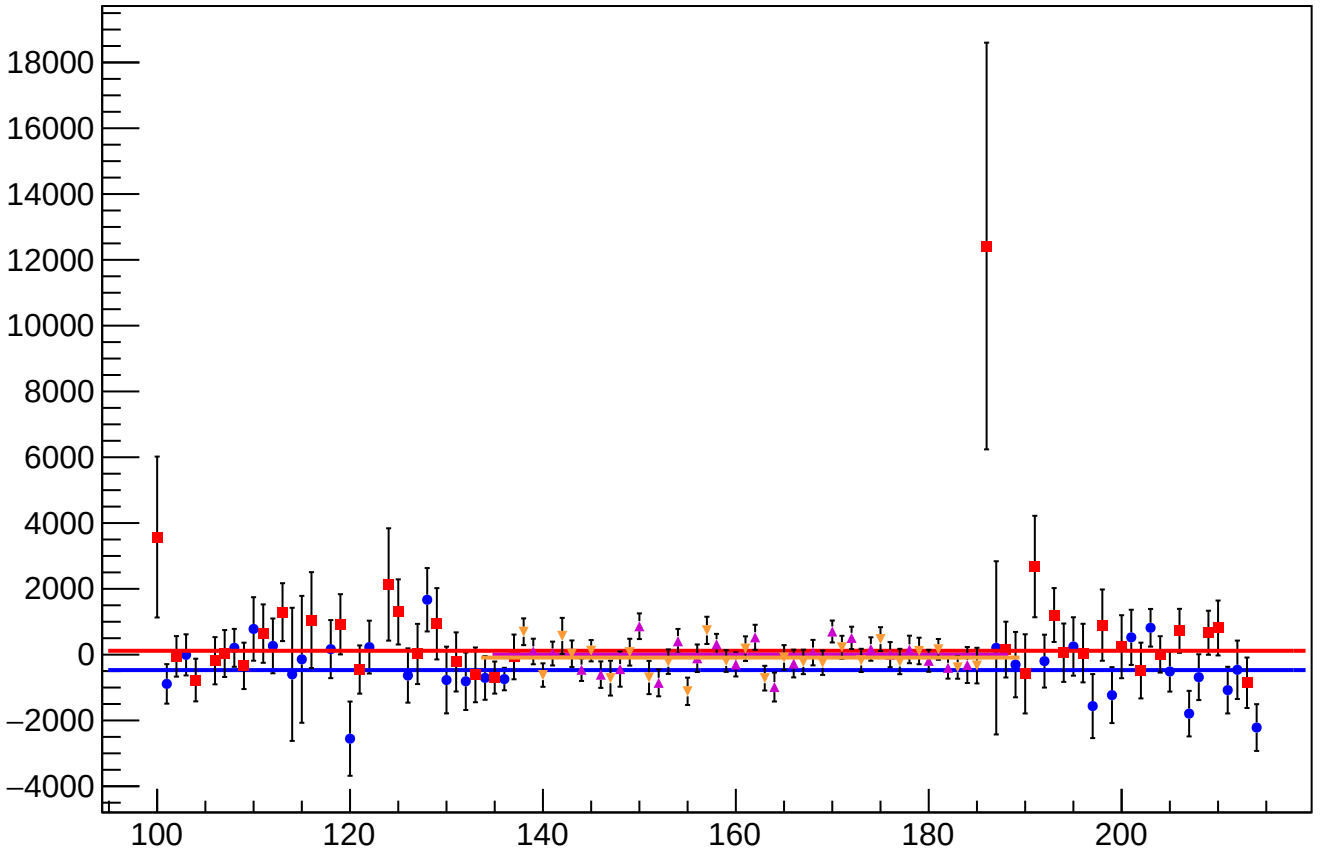
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.972+/-0.008 χ^2/NDF: 3502480.6/63

In: 61.336+/-0.007 χ^2/NDF:1936299.1/52

Out: 61.649+/-0.007 χ^2/NDF:2676817.2/58

All: 61.495+/-0.005 χ^2/NDF: 4614052.8/111



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

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

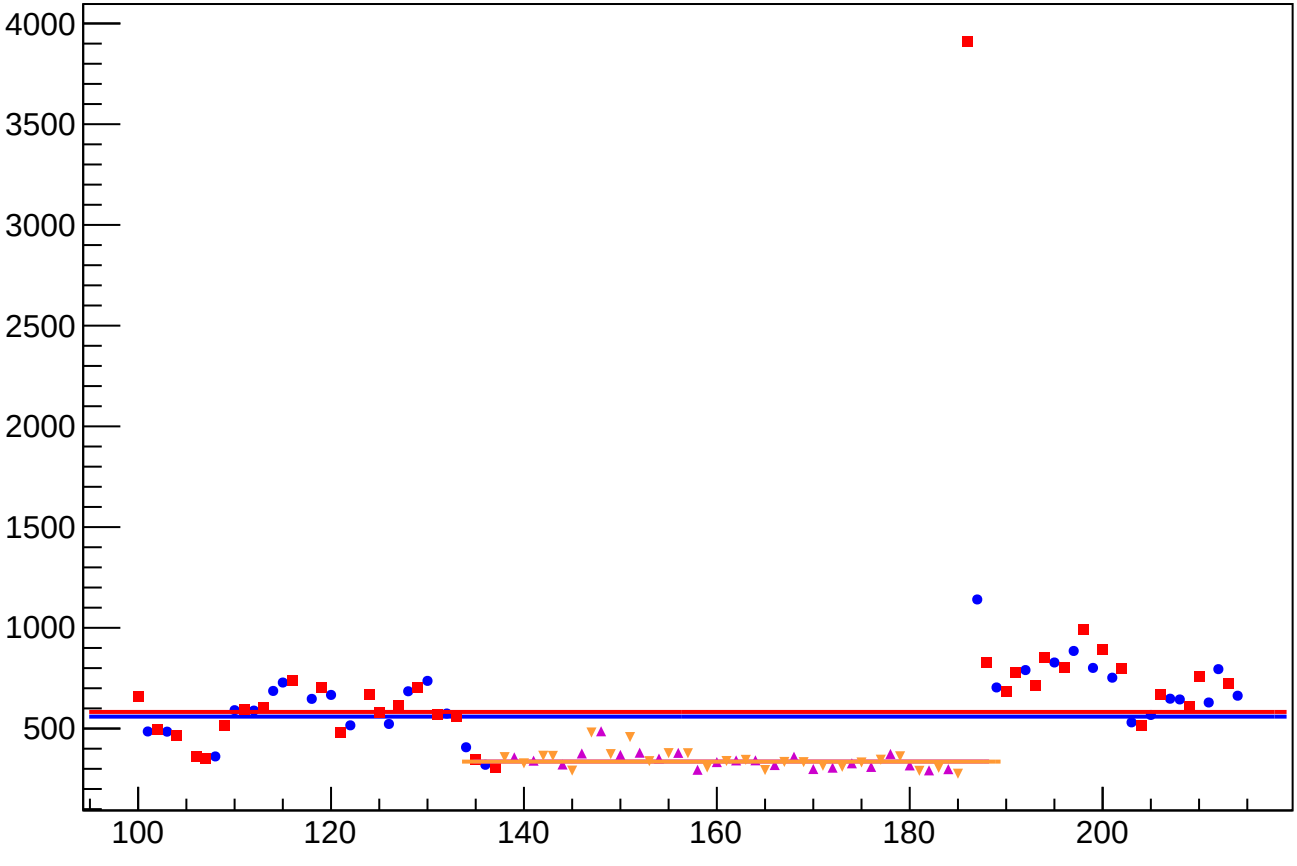
Right: -185.173+/-98.052 χ^2/NDF: 73.8/63

In: -120.457+/-68.510 χ^2/NDF:77.8/52

Out: -41.545+/-67.570 χ^2/NDF:60.9/58

All: -80.456+/-48.108 χ^2/NDF: 139.4/111

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

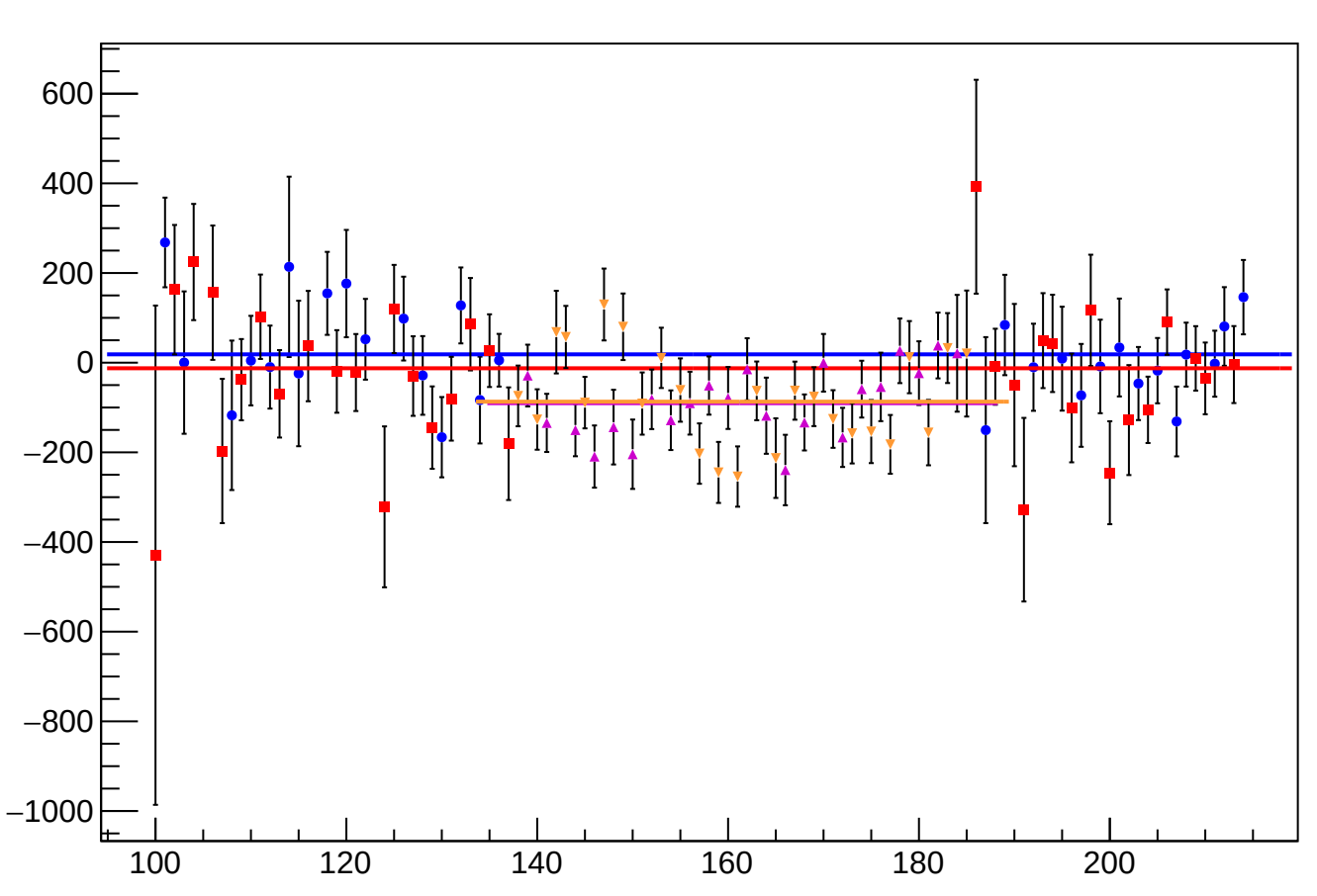
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 570.470+/-0.069 χ^2/NDF: 6288810.5/63

In: 392.410+/-0.048 χ^2/NDF:7201906.2/52

Out: 392.645+/-0.048 χ^2/NDF:8710051.4/58

All: 392.529+/-0.034 χ^2/NDF: 15911969.7/11



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

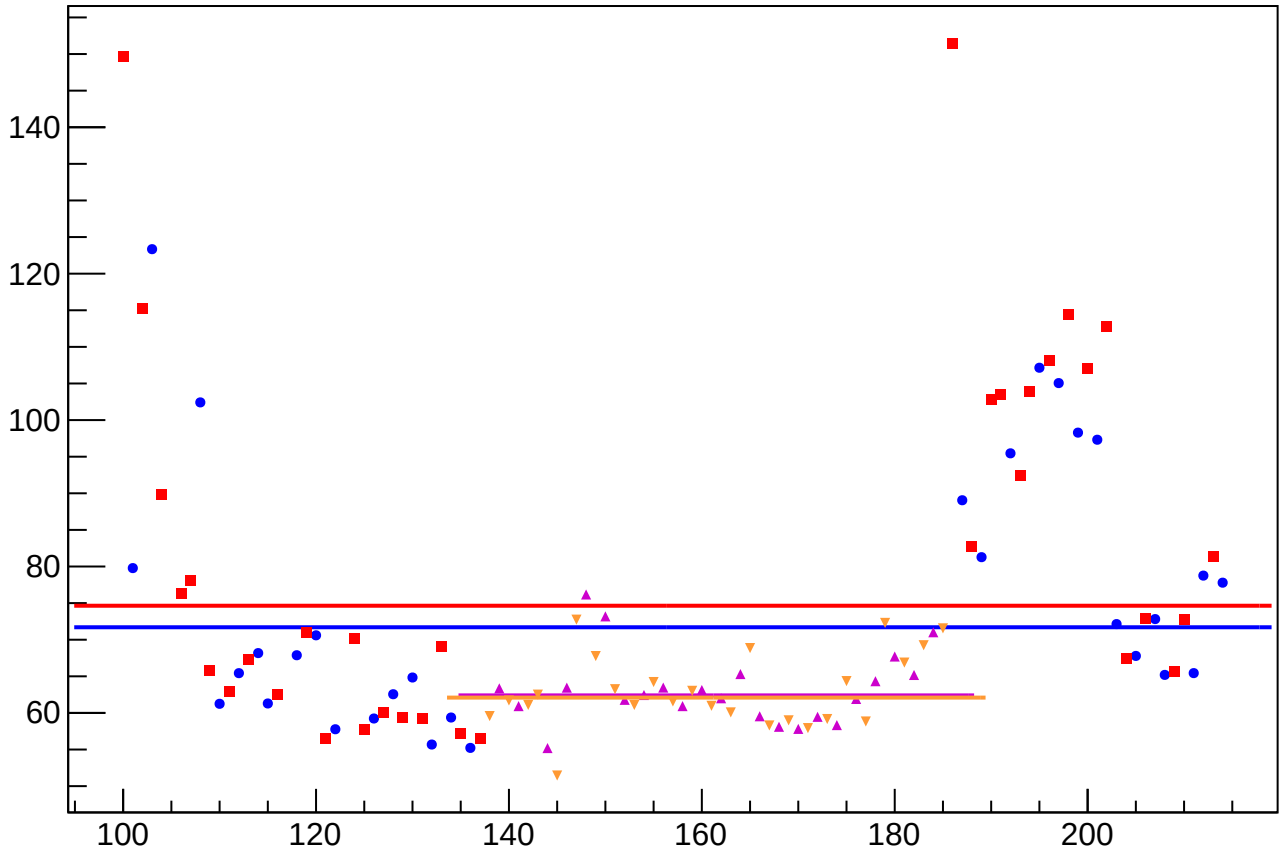
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 3.504+/-12.366 χ^2/NDF: 67.8/63

In: -44.643+/-11.165 χ^2/NDF:77.8/52

Out: -57.962+/-11.076 χ^2/NDF:96.2/58

All: -51.356+/-7.863 χ^2/NDF: 174.7/111



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

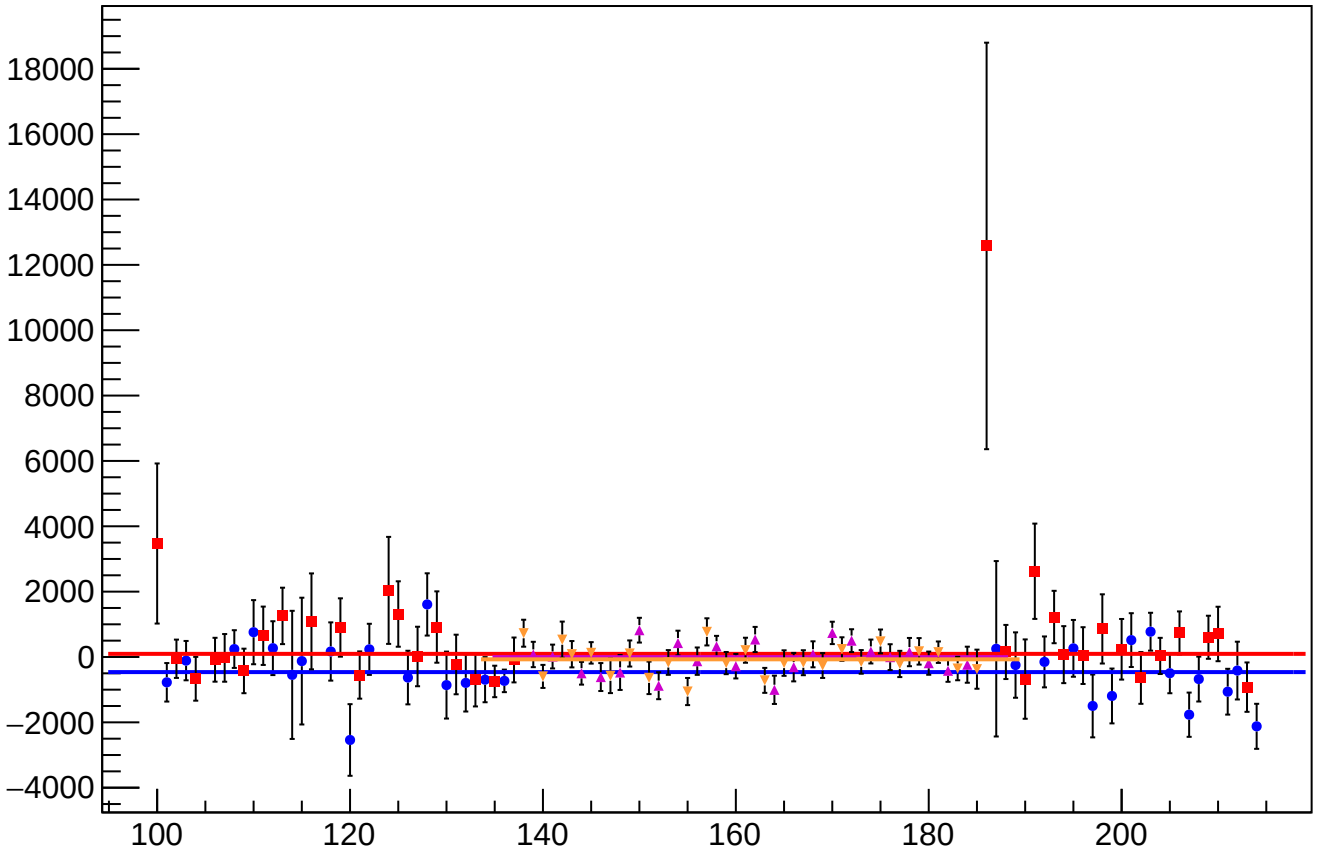
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 73.128+/-0.009 χ^2/NDF: 3600870.9/63

In: 66.300+/-0.008 χ^2/NDF:2046981.8/52

Out: 66.979+/-0.008 χ^2/NDF:2896475.6/58

All: 66.643+/-0.006 χ^2/NDF: 4947185.5/111



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

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

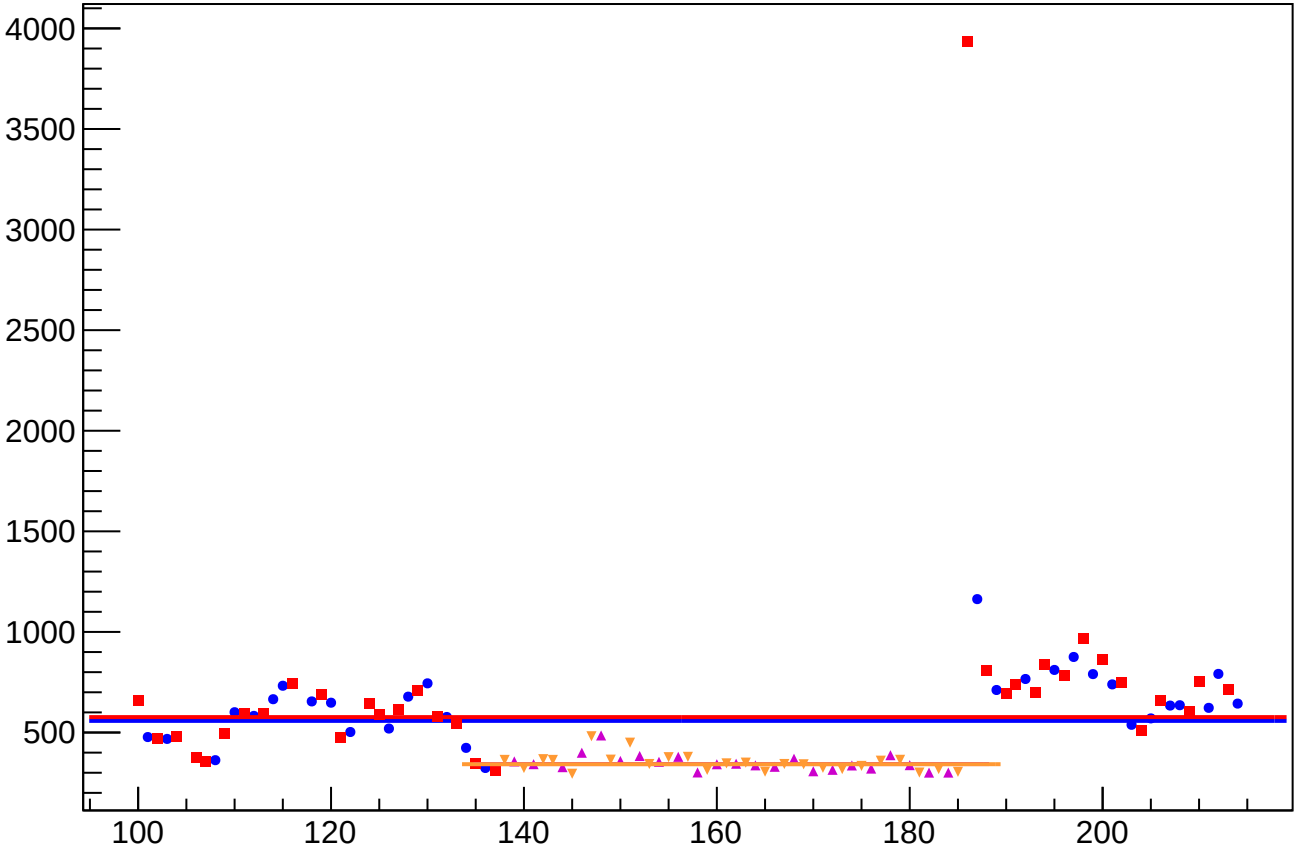
Right: -189.438+/-97.097 χ^2/NDF: 73.2/63

In: -125.274+/-69.418 χ^2/NDF:76.7/52

Out: -30.954+/-68.267 χ^2/NDF:60.3/58

All: -77.325+/-48.674 χ^2/NDF: 137.9/111

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



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

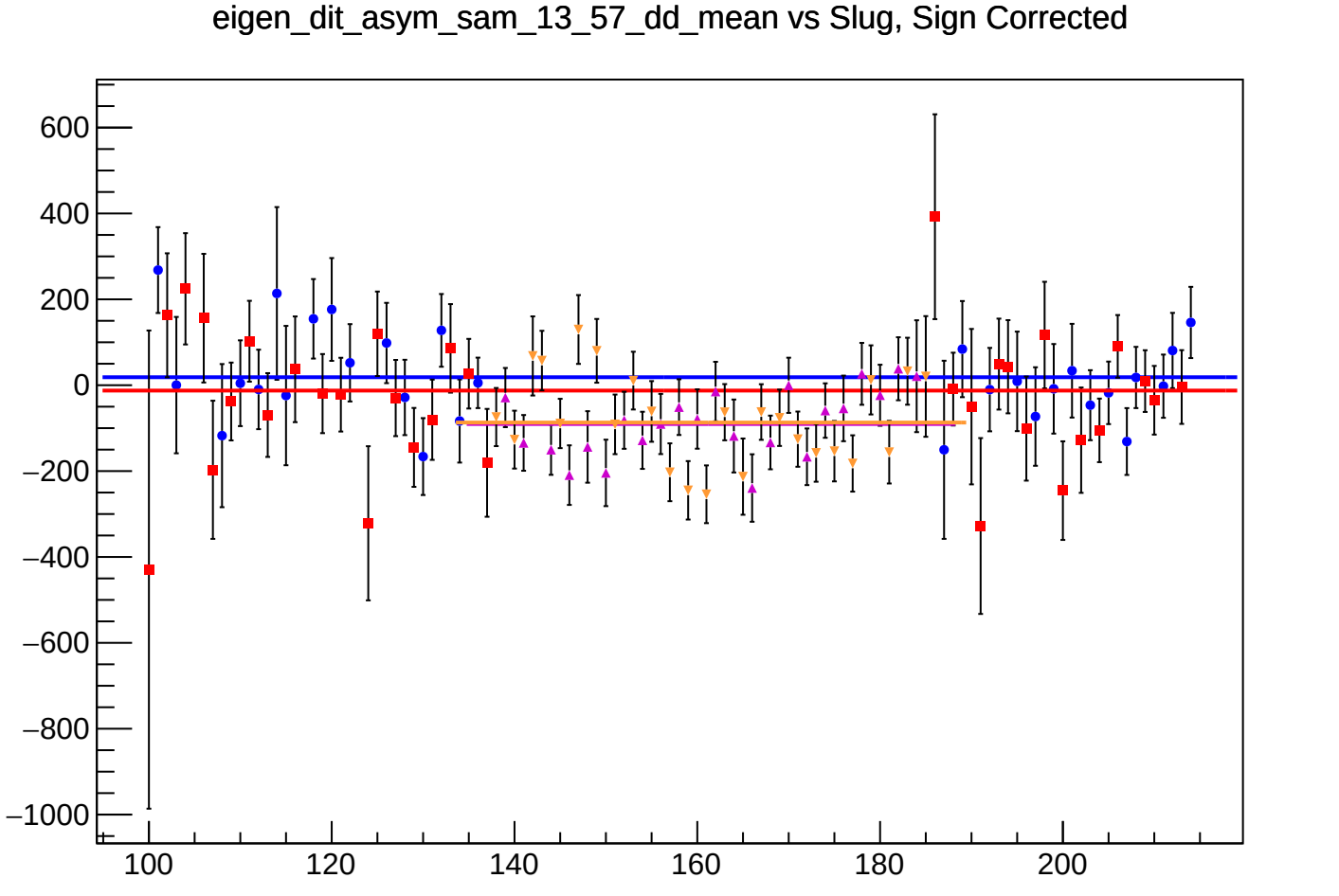
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 567.009+/-0.069 χ^2/NDF: 5976525.0/63

In: 399.293+/-0.049 χ^2/NDF:6719615.7/52

Out: 399.090+/-0.048 χ^2/NDF:8043996.2/58

All: 399.190+/-0.034 χ^2/NDF: 14763620.5/11



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

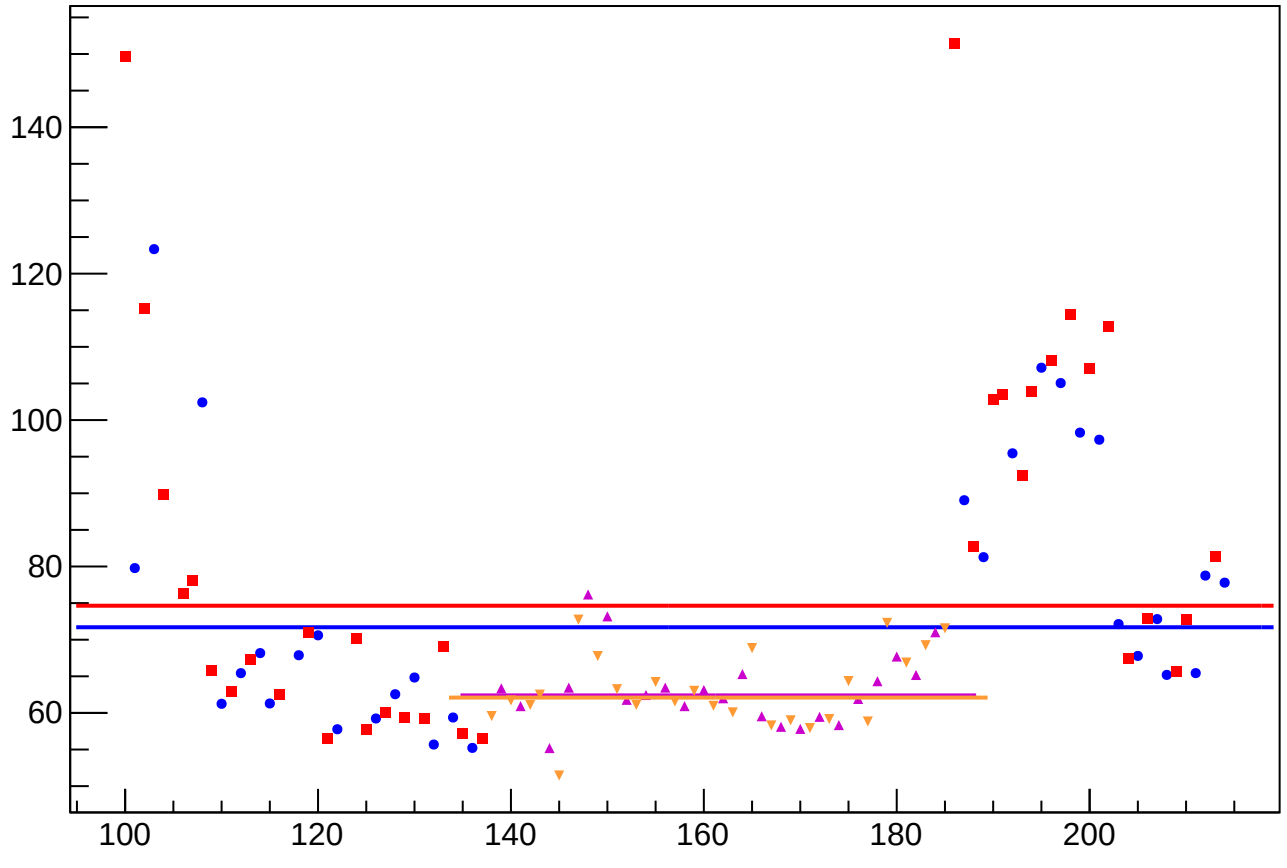
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 3.504+/-12.366 χ^2/NDF: 67.8/63

In: -44.643+/-11.165 χ^2/NDF:77.8/52

Out: -57.962+/-11.076 χ^2/NDF:96.2/58

All: -51.356+/-7.863 χ^2/NDF: 174.7/111



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

Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

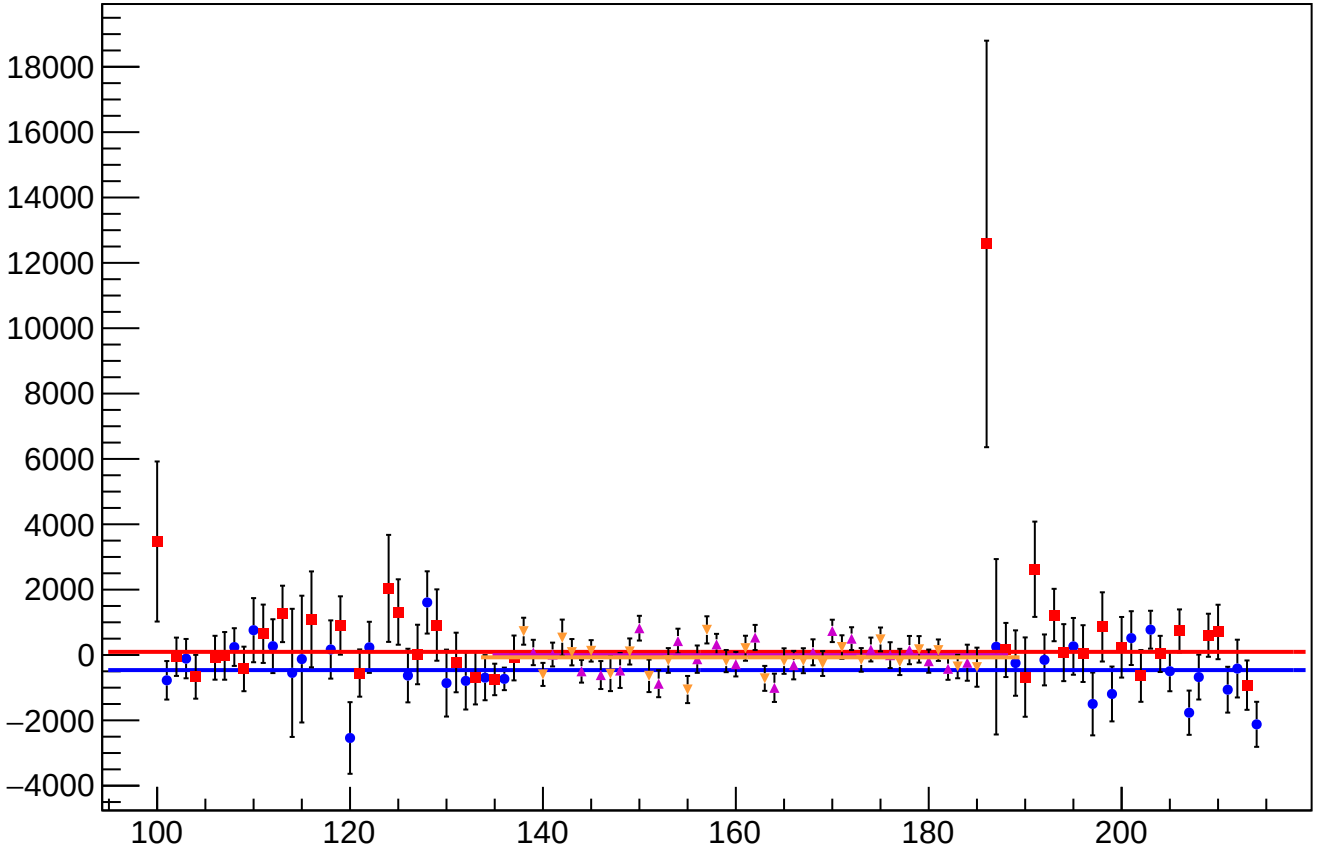
Right: 73.128+/-0.009 χ^2/NDF: 3600896.6/63

In: 66.300+/-0.008 χ^2/NDF:2047002.3/52

Out: 66.979+/-0.008 χ^2/NDF:2896478.7/58

All: 66.642+/-0.006 χ^2/NDF: 4947208.9/111

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

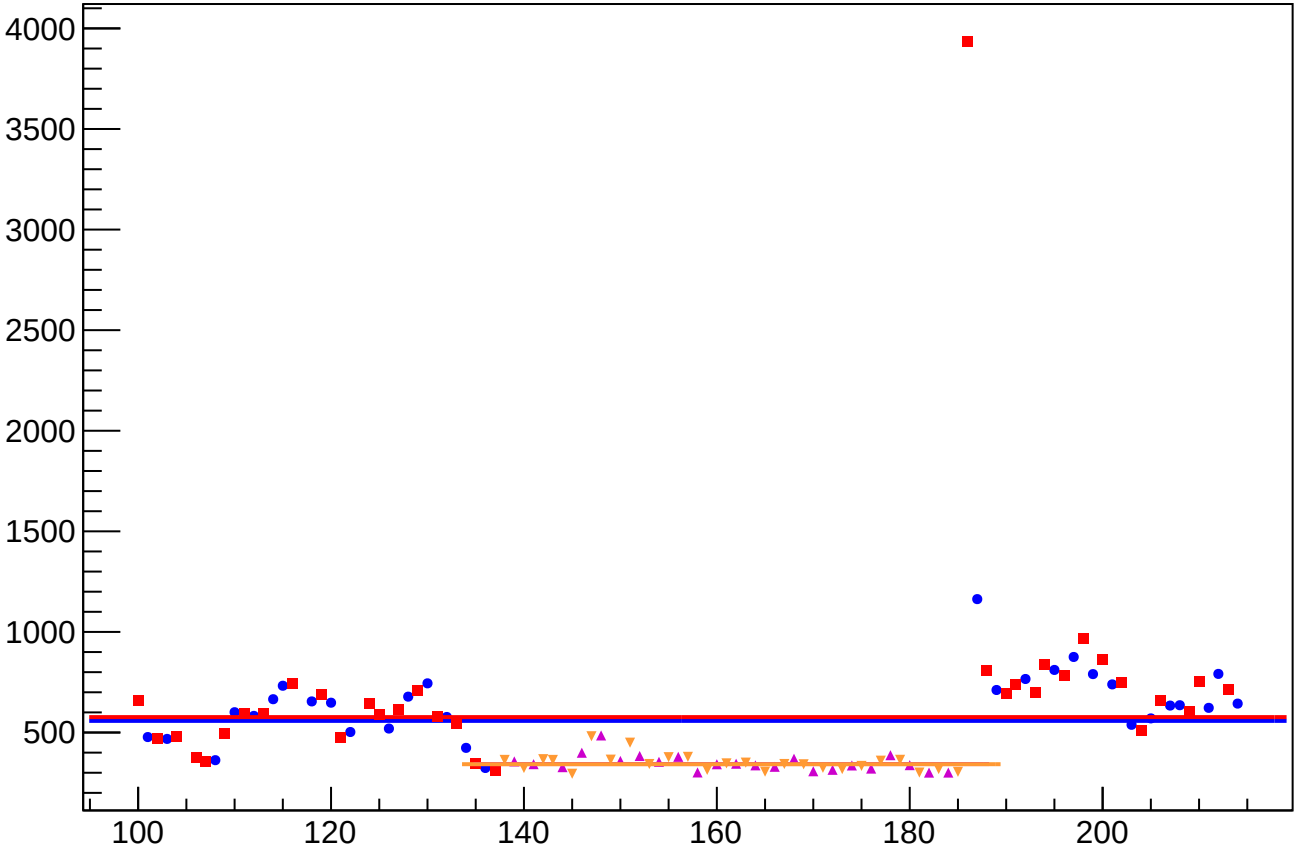
Right: -189.438+/-97.097 χ^2/NDF: 73.2/63

In: -125.275+/-69.418 χ^2/NDF:76.7/52

Out: -30.953+/-68.267 χ^2/NDF:60.3/58

All: -77.325+/-48.674 χ^2/NDF: 137.9/111

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

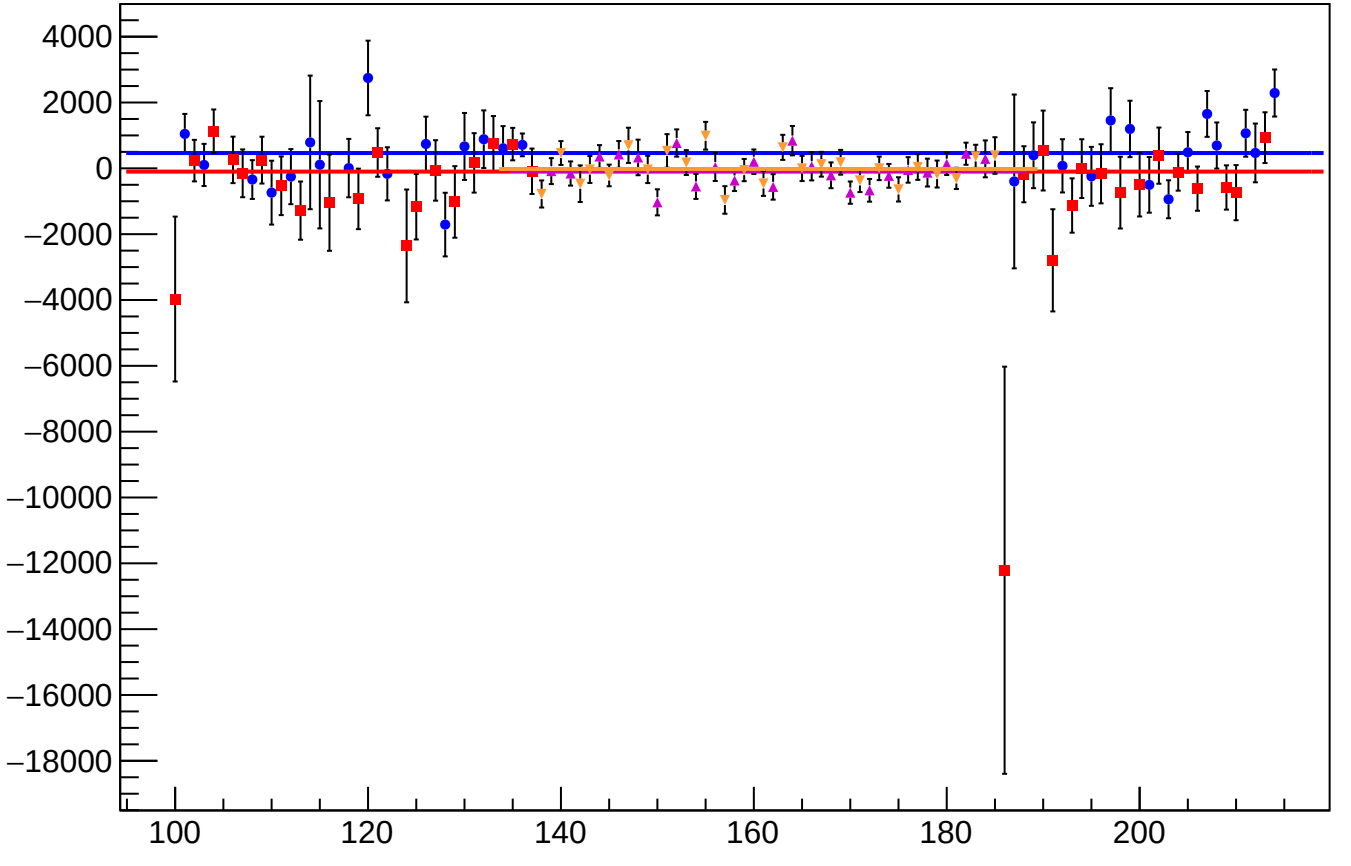
Right: 567.009+/-0.069 χ^2/NDF: 5976534.9/63

In: 399.293+/-0.049 χ^2/NDF:6719602.1/52

Out: 399.090+/-0.048 χ^2/NDF:8043984.1/58

All: 399.190+/-0.034 χ^2/NDF: 14763594.9/1

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



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

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

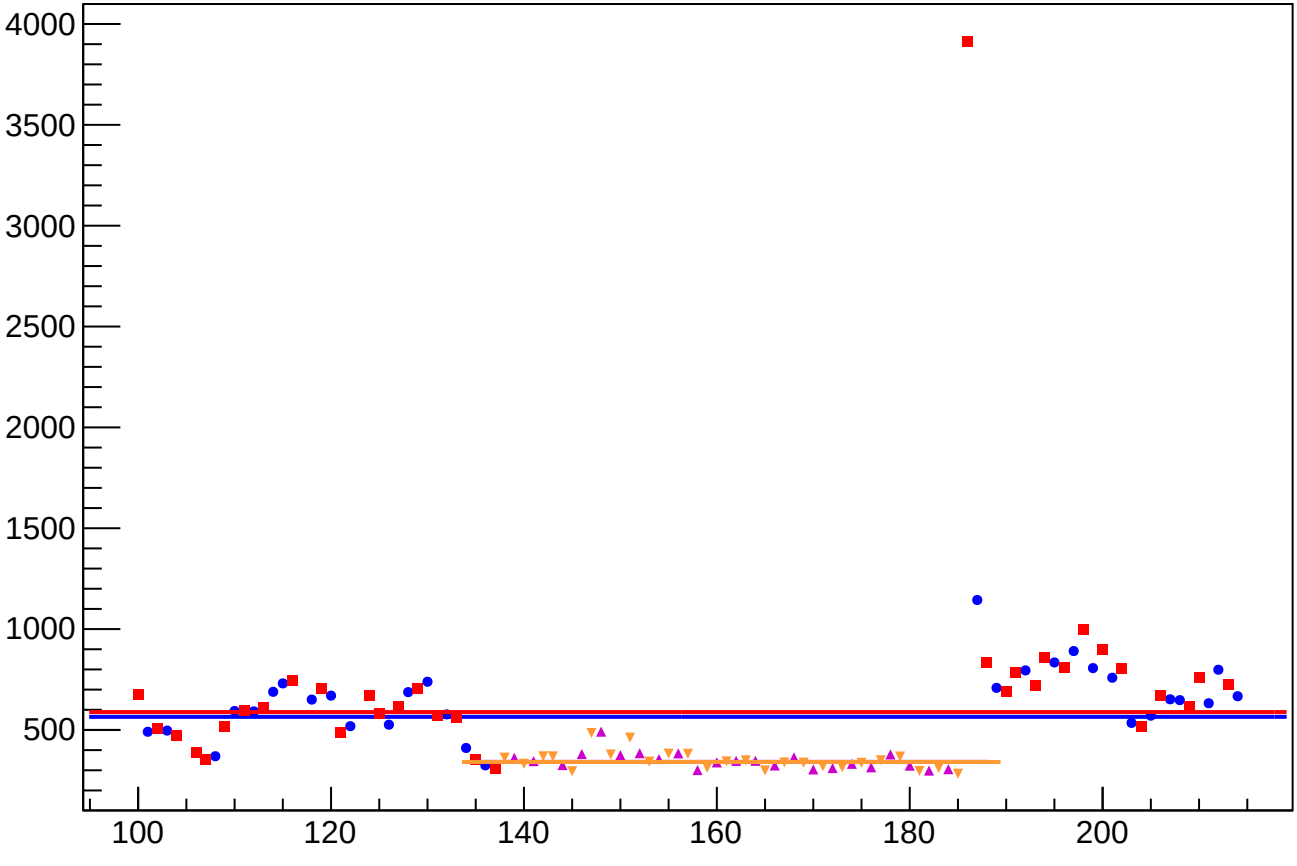
Right: 191.208+/-98.885 χ^2/NDF: 75.8/63

In: 59.361+/-69.456 χ^2/NDF:81.1/52

Out: -38.658+/-68.490 χ^2/NDF:62.8/58

All: 9.666+/-48.768 χ^2/NDF: 144.9/111

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

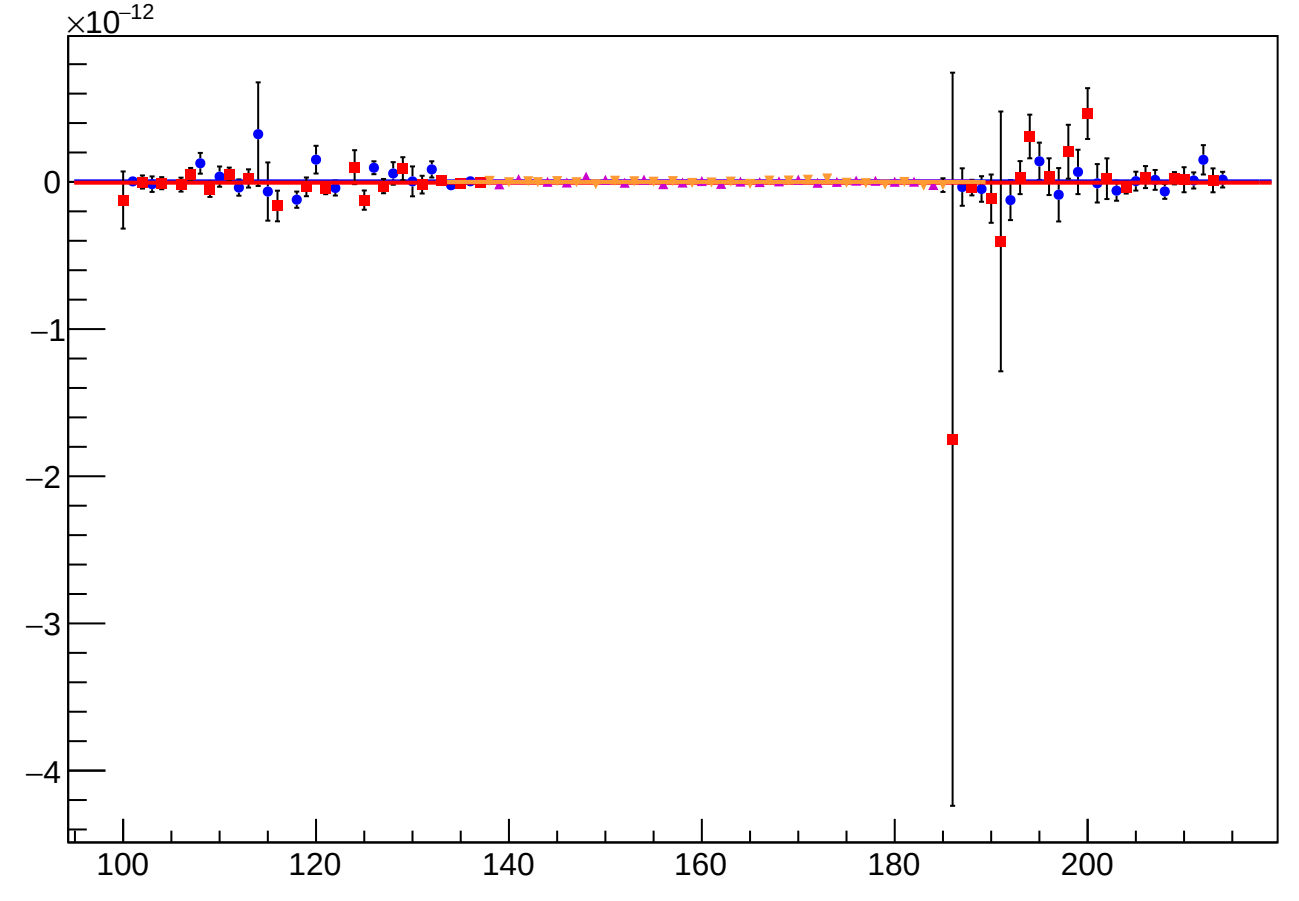
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 576.443+/-0.070 χ^2/NDF: 6134095.5/63

In: 398.319+/-0.049 χ^2/NDF:7049742.8/52

Out: 398.816+/-0.048 χ^2/NDF:8542943.4/58

All: 398.571+/-0.034 χ^2/NDF: 15592738.0/11



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

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

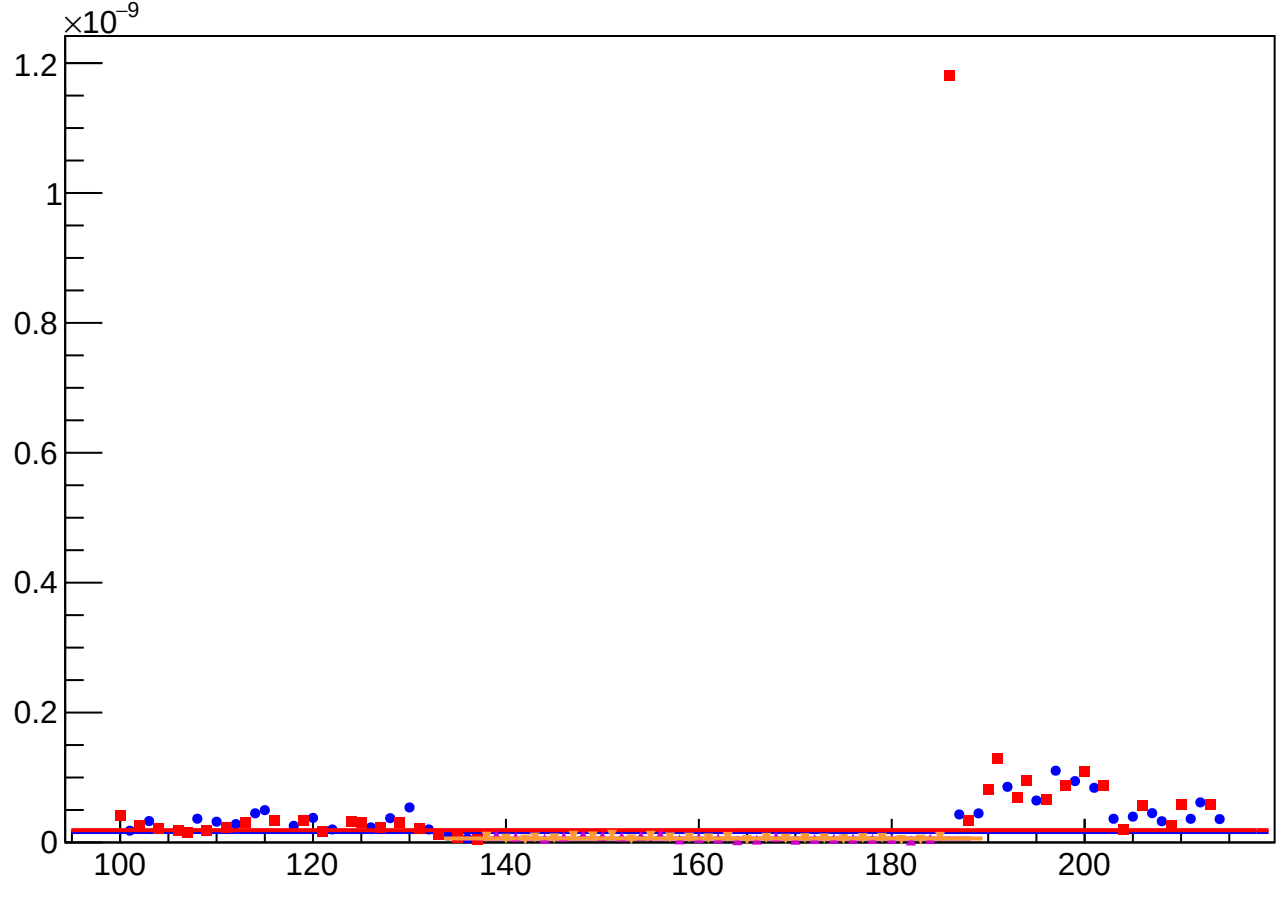
Right: -0.000+/-0.000 χ^2/NDF: 60.4/63

In: 0.000+/-0.000 χ^2/NDF:43.5/52

Out: -0.000+/-0.000 χ^2/NDF:50.1/58

All: 0.000+/-0.000 χ^2/NDF: 94.6/111

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

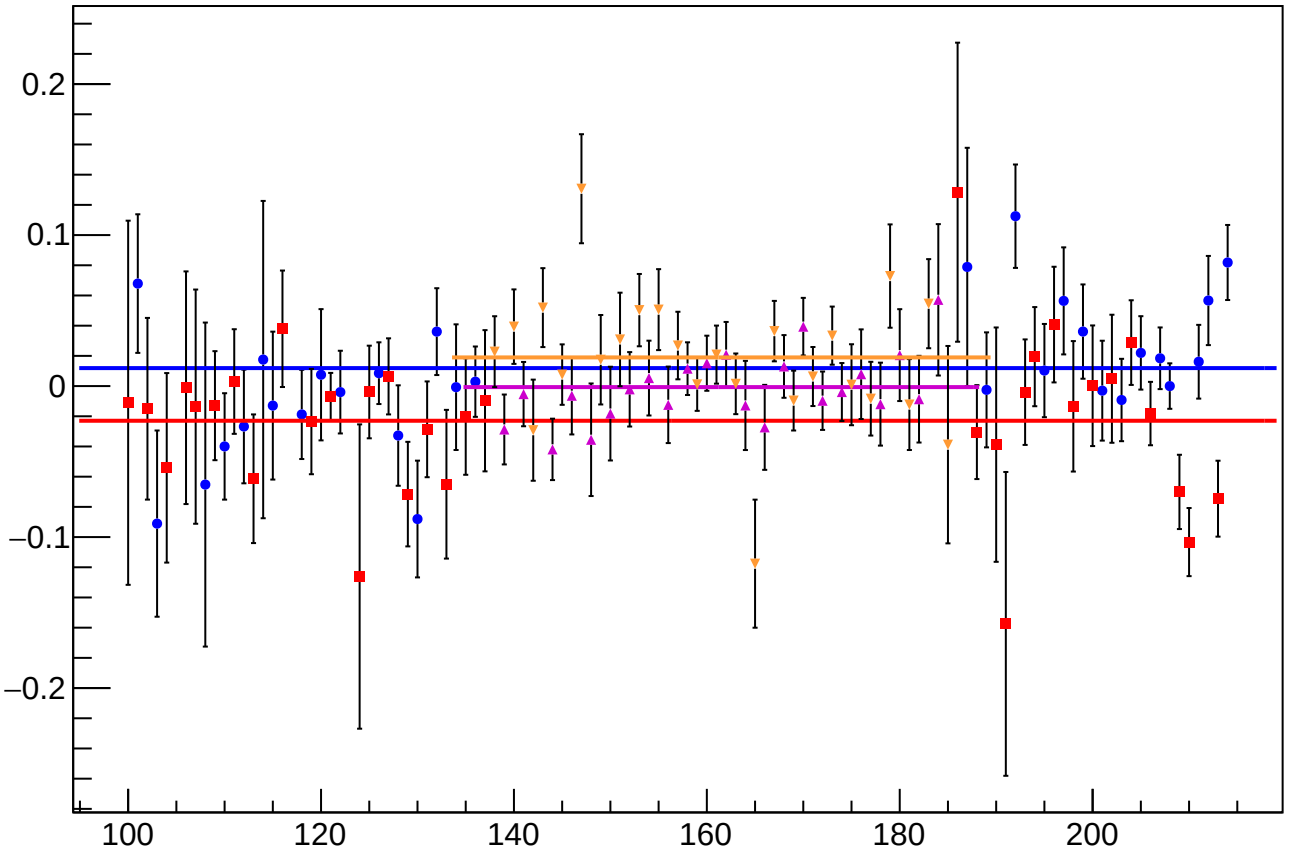
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15458257.0/63

In: 0.000+/-0.000 χ^2/NDF:13005619.2/52

Out: 0.000+/-0.000 χ^2/NDF:12539833.8/58

All: 0.000+/-0.000 χ^2/NDF: 25548405.4/111



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

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

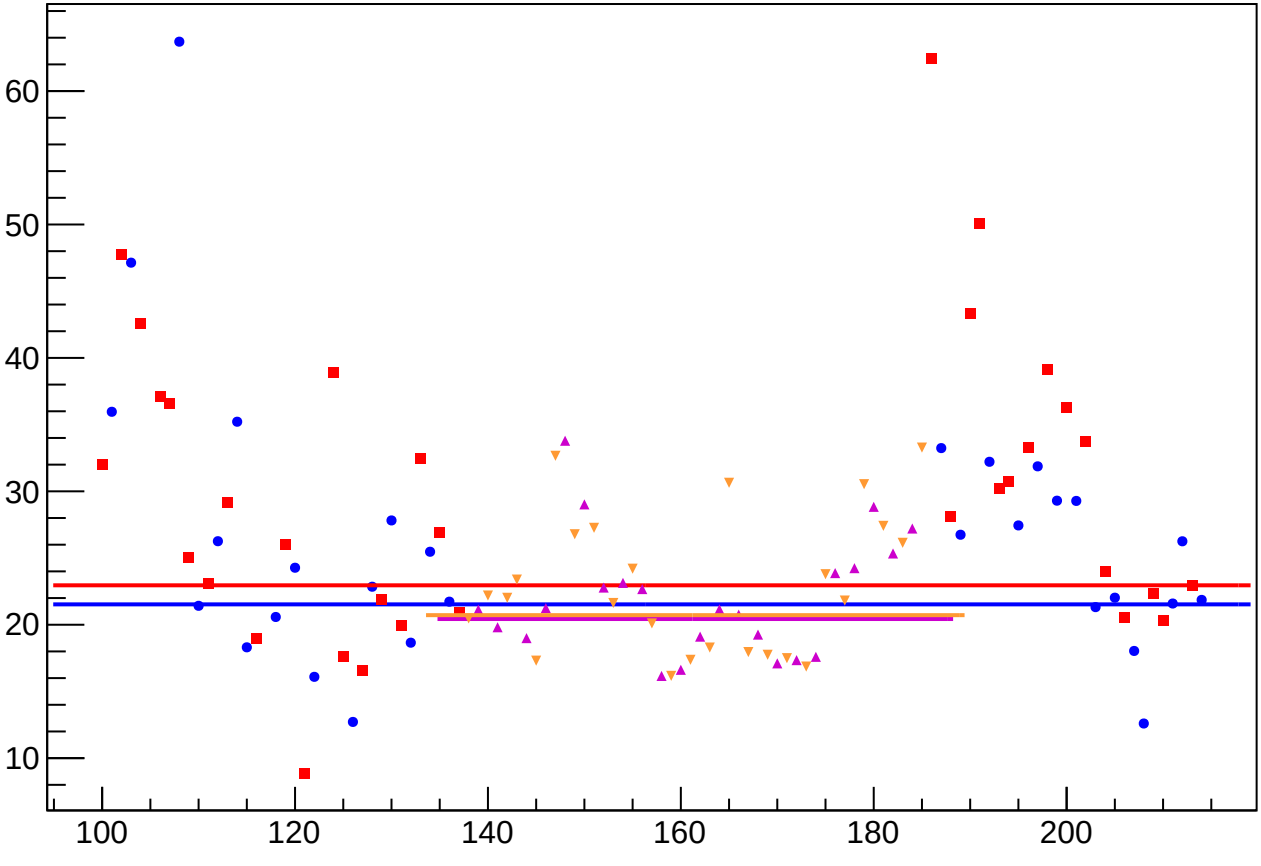
Right: -0.004+/-0.004 χ^2/NDF: 106.4/63

In: 0.005+/-0.004 χ^2/NDF:63.4/52

Out: 0.002+/-0.004 χ^2/NDF:116.2/58

All: 0.003+/-0.003 χ^2/NDF: 179.9/111

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

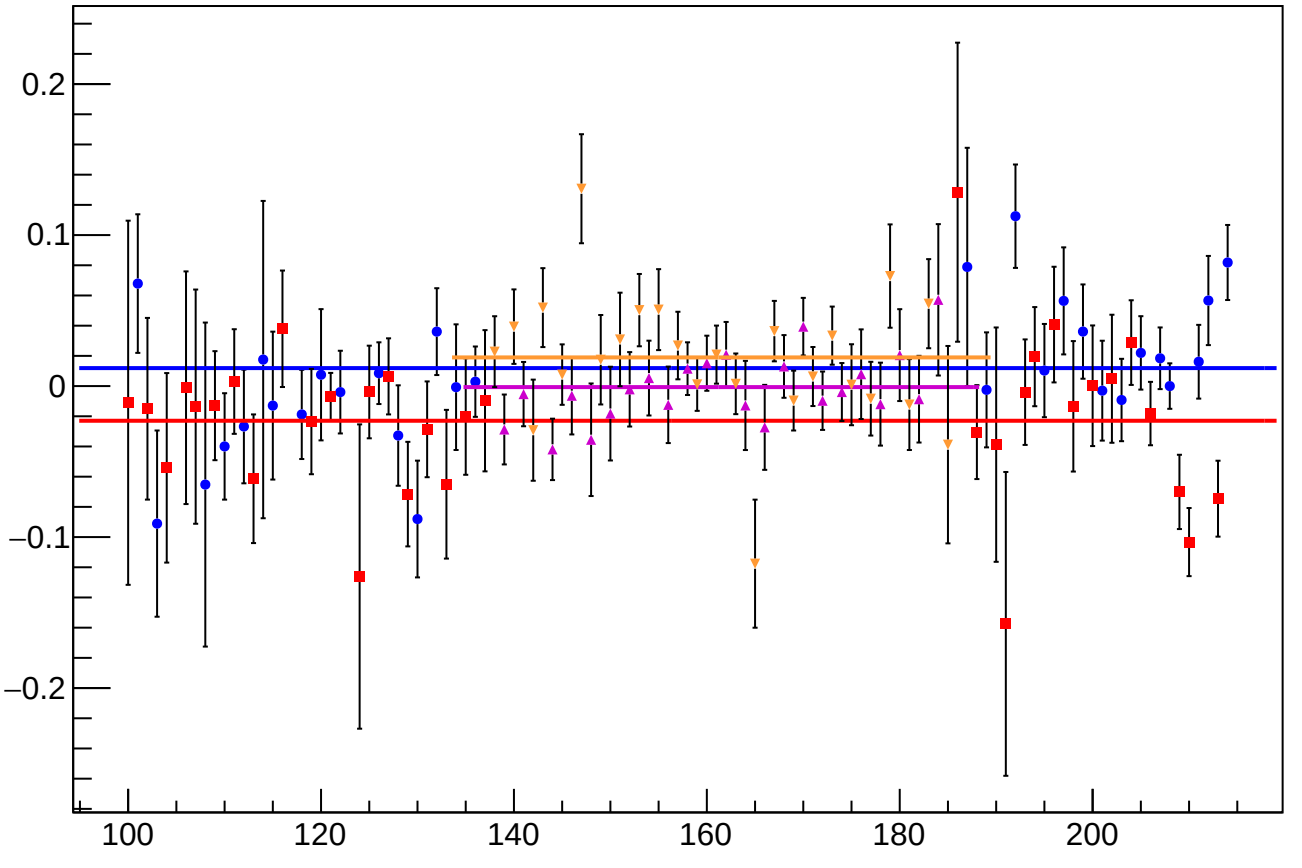
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 22.194+/-0.003 χ^2/NDF: 7554984.8/63

In: 20.920+/-0.003 χ^2/NDF:4267373.6/52

Out: 21.631+/-0.003 χ^2/NDF:6121242.8/58

All: 21.268+/-0.002 χ^2/NDF: 10425384.4/111



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

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

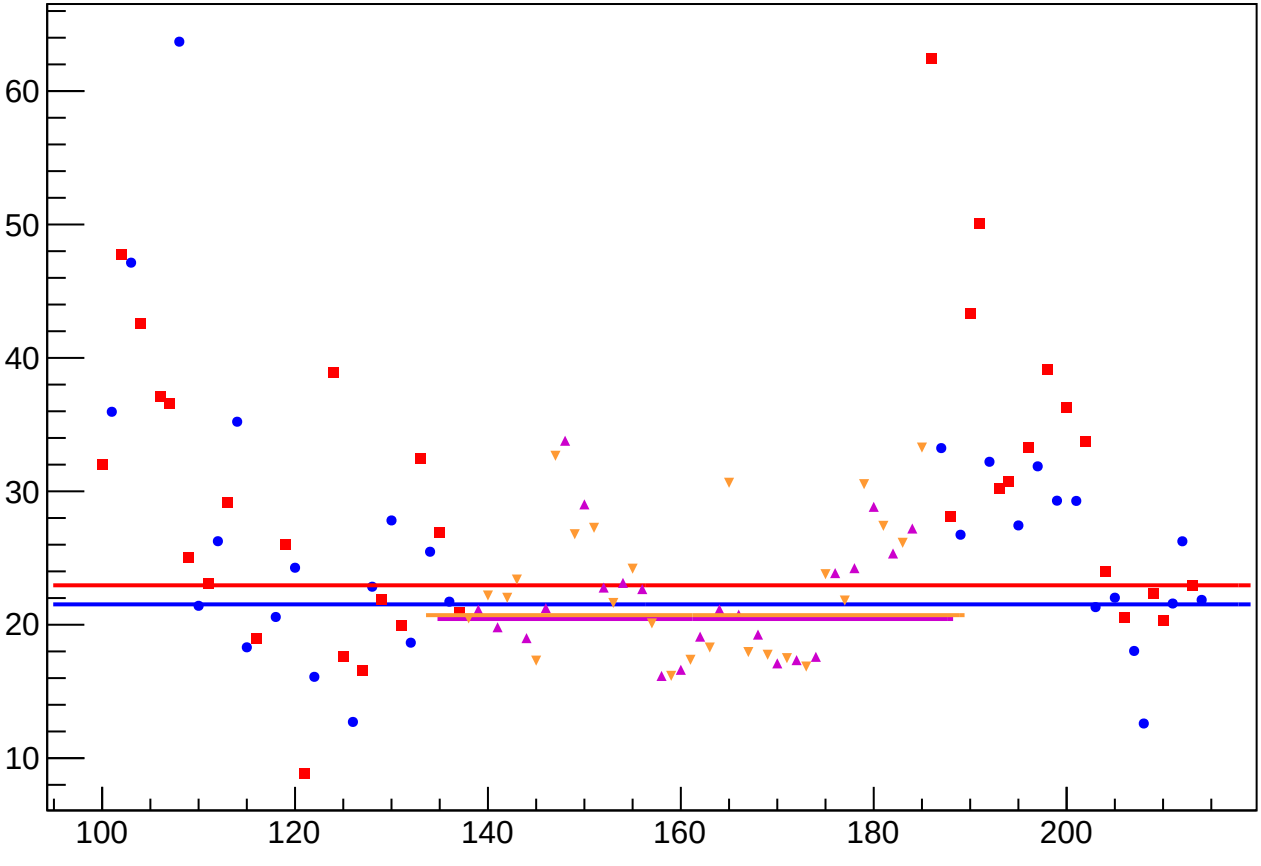
Right: -0.004+/-0.004 χ^2/NDF: 106.4/63

In: 0.005+/-0.004 χ^2/NDF:63.4/52

Out: 0.002+/-0.004 χ^2/NDF:116.2/58

All: 0.003+/-0.003 χ^2/NDF: 179.9/111

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

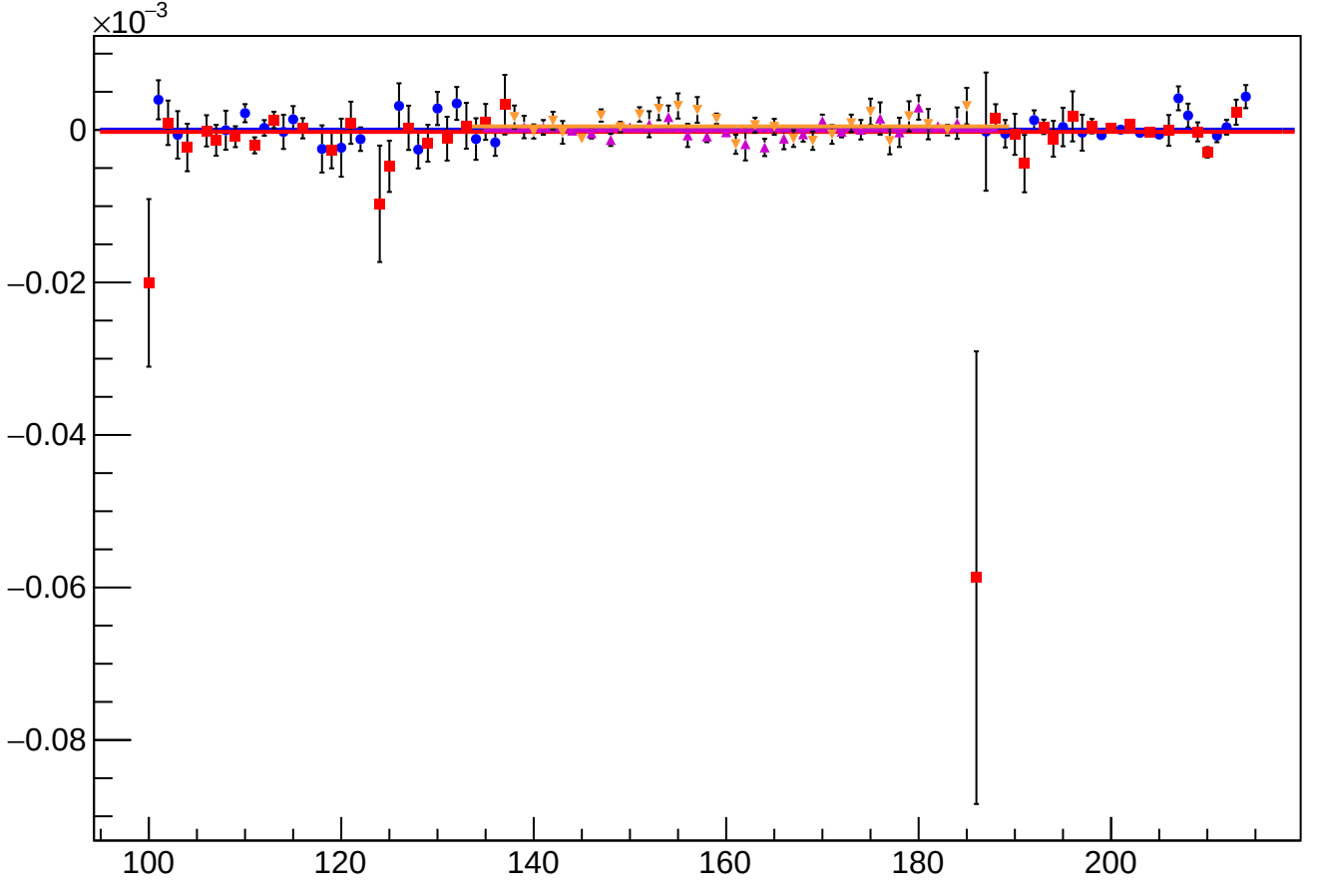
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 22.194+/-0.003 χ^2/NDF: 7554984.8/63

In: 20.920+/-0.003 χ^2/NDF:4267373.6/52

Out: 21.631+/-0.003 χ^2/NDF:6121242.8/58

All: 21.268+/-0.002 χ^2/NDF: 10425384.4/111



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

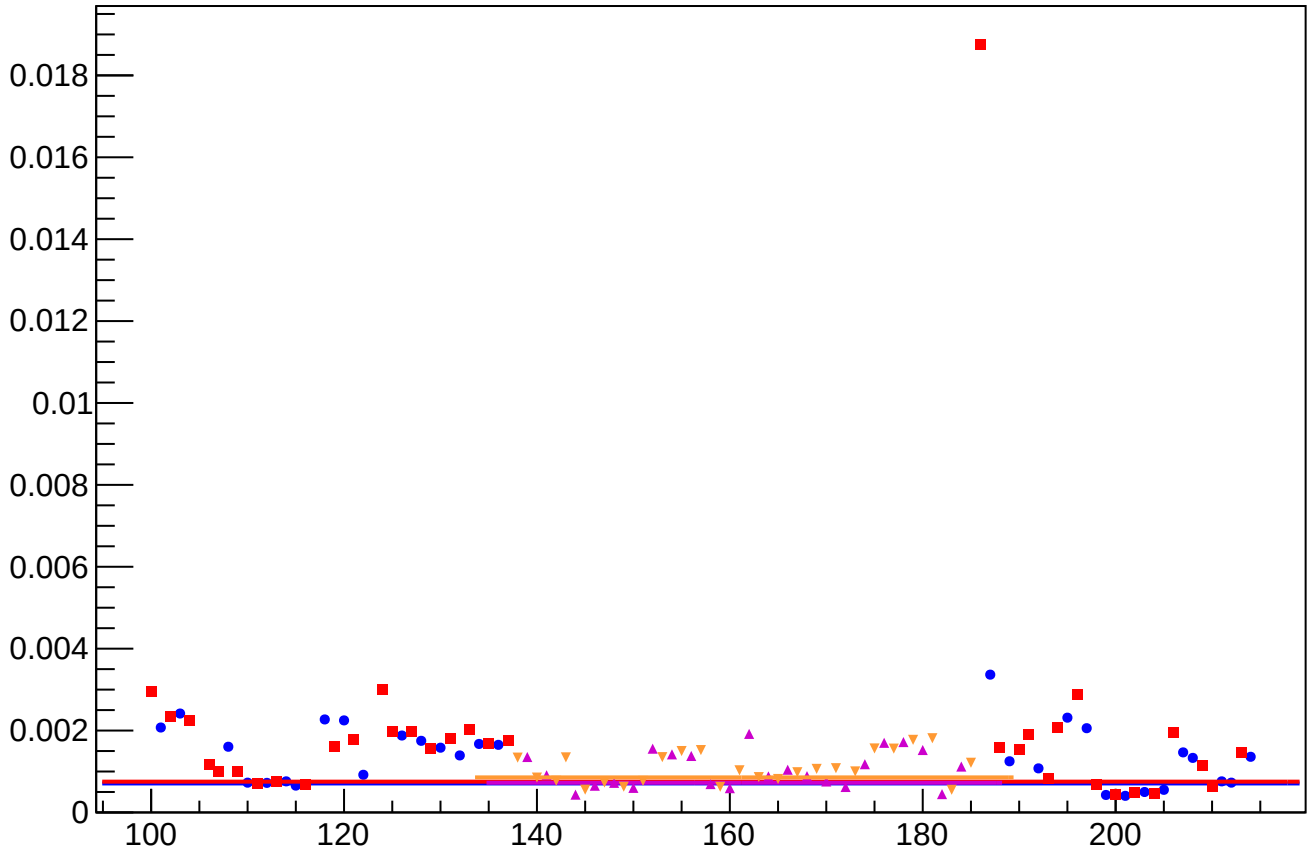
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: -0.000+/-0.000 χ^2/NDF: 83.6/63

In: -0.000+/-0.000 χ^2/NDF:57.9/52

Out: 0.000+/-0.000 χ^2/NDF:86.9/58

All: 0.000+/-0.000 χ^2/NDF: 145.2/111



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

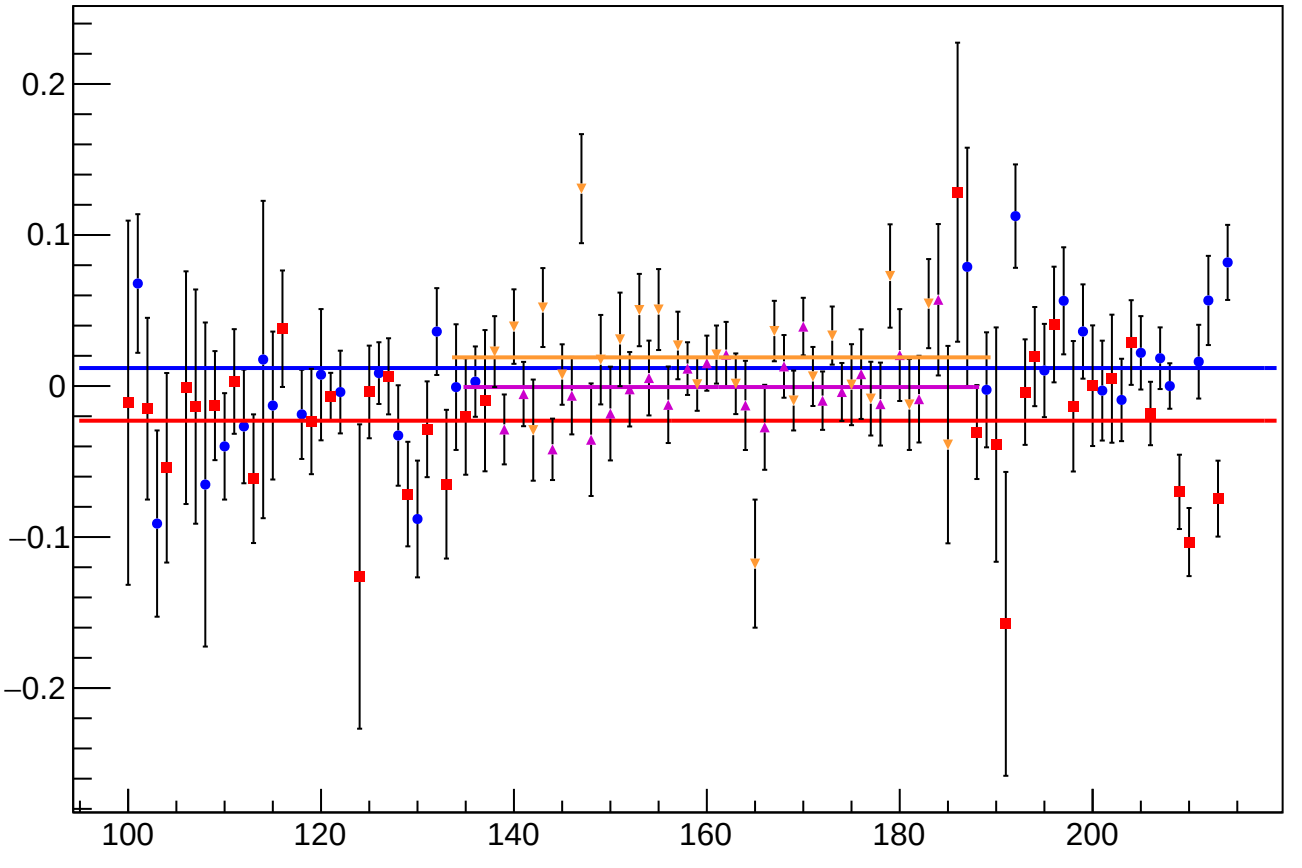
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 19803392.7/63

In: 0.001+/-0.000 χ^2/NDF:15382436.4/52

Out: 0.001+/-0.000 χ^2/NDF:14869238.4/58

All: 0.001+/-0.000 χ^2/NDF: 30617330.0/111



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

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

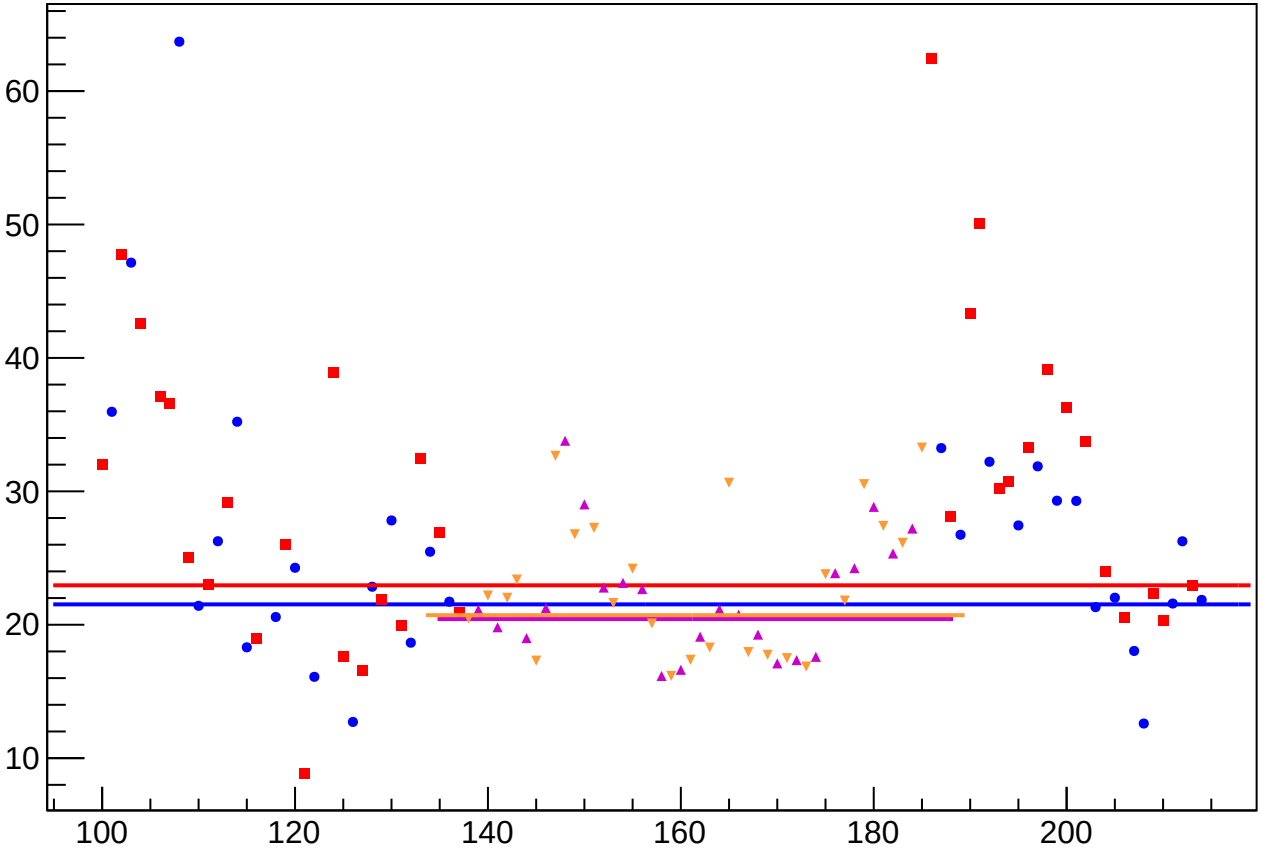
Right: -0.004+/-0.004 χ^2/NDF: 106.4/63

In: 0.005+/-0.004 χ^2/NDF:63.4/52

Out: 0.002+/-0.004 χ^2/NDF:116.2/58

All: 0.003+/-0.003 χ^2/NDF: 179.9/111

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

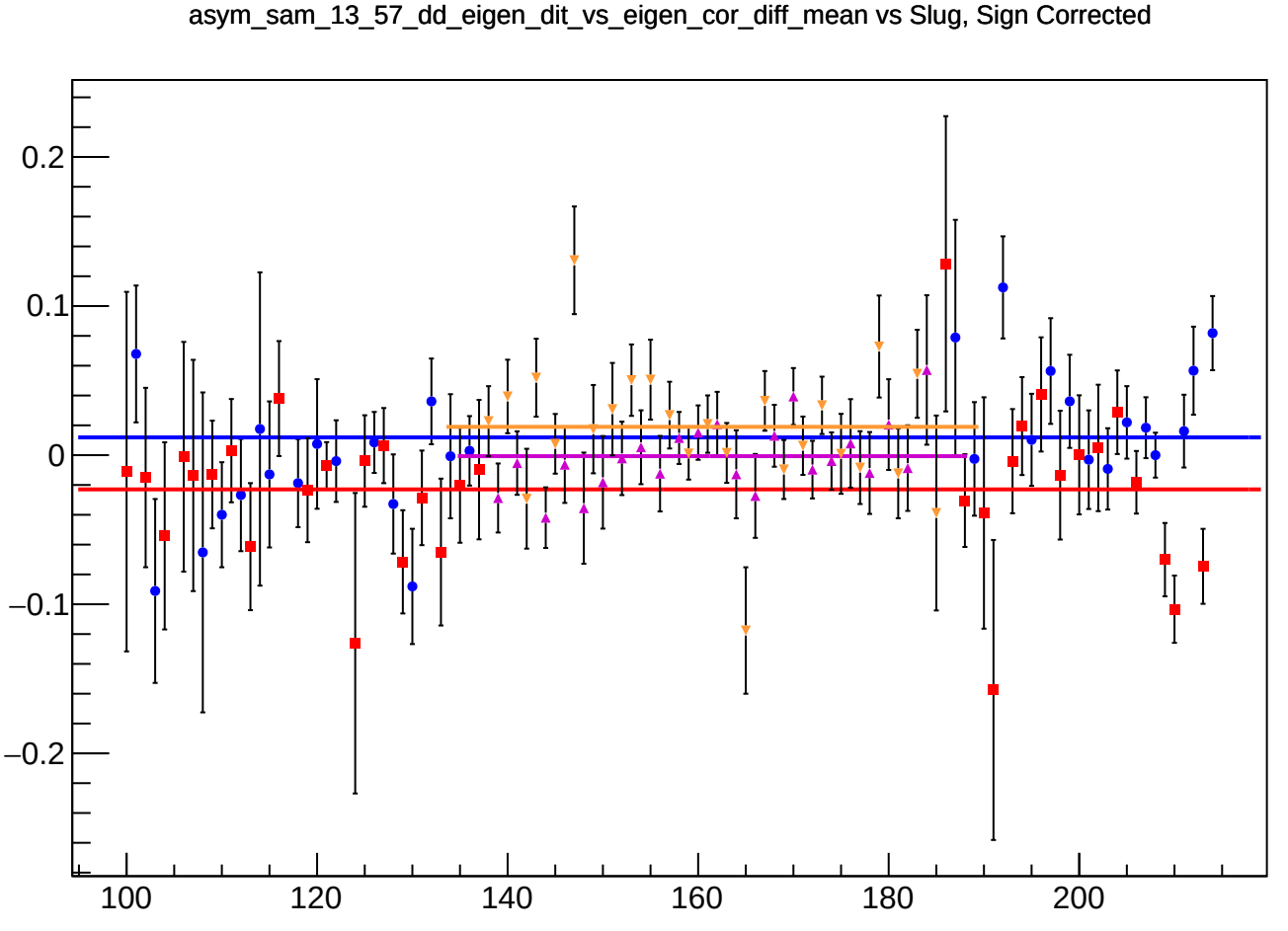
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 22.194+/-0.003 χ^2/NDF: 7554444.2/63

In: 20.920+/-0.003 χ^2/NDF:4267416.5/52

Out: 21.631+/-0.003 χ^2/NDF:6120851.8/58

All: 21.268+/-0.002 χ^2/NDF: 10425046.0/111



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

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

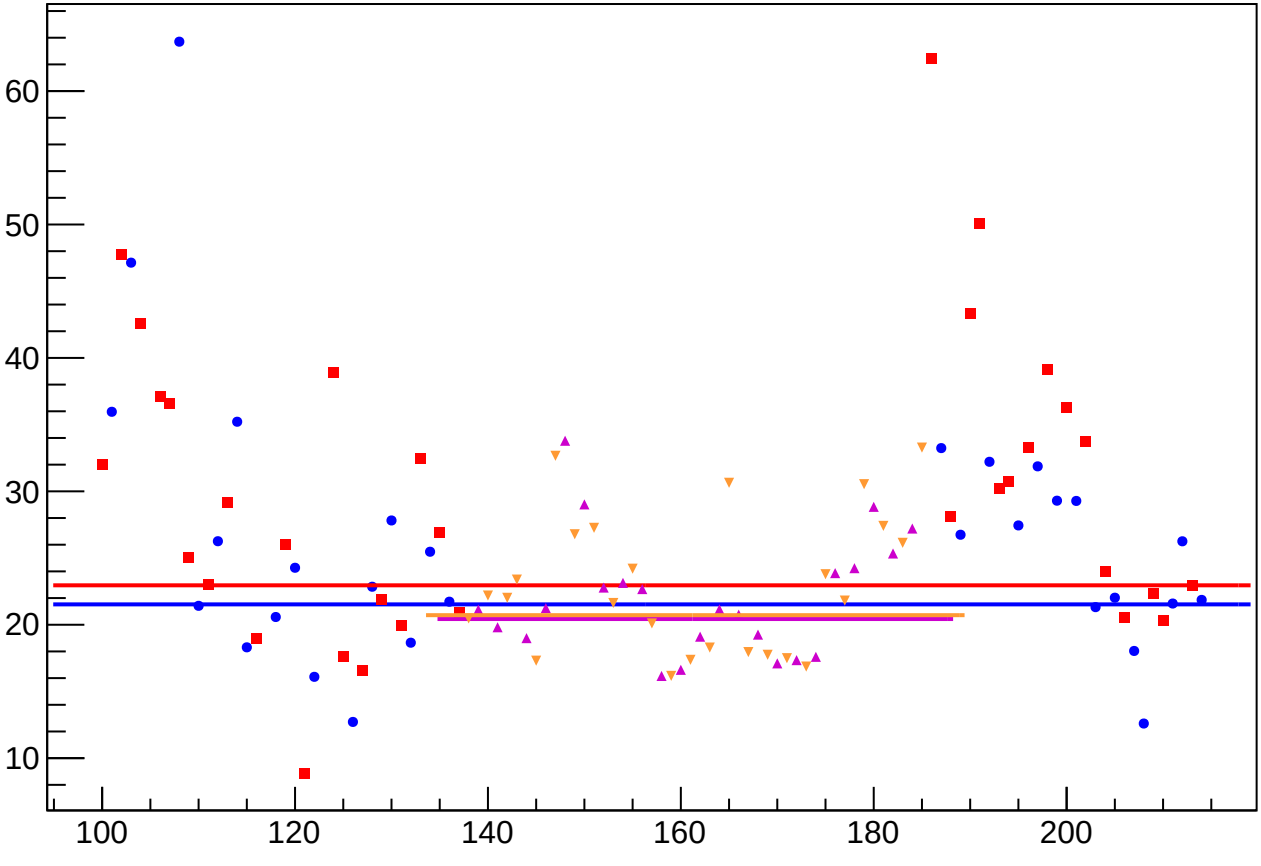
Right: -0.004+/-0.004 χ^2/NDF: 106.4/63

In: 0.005+/-0.004 χ^2/NDF:63.4/52

Out: 0.002+/-0.004 χ^2/NDF:116.2/58

All: 0.003+/-0.003 χ^2/NDF: 179.9/111

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

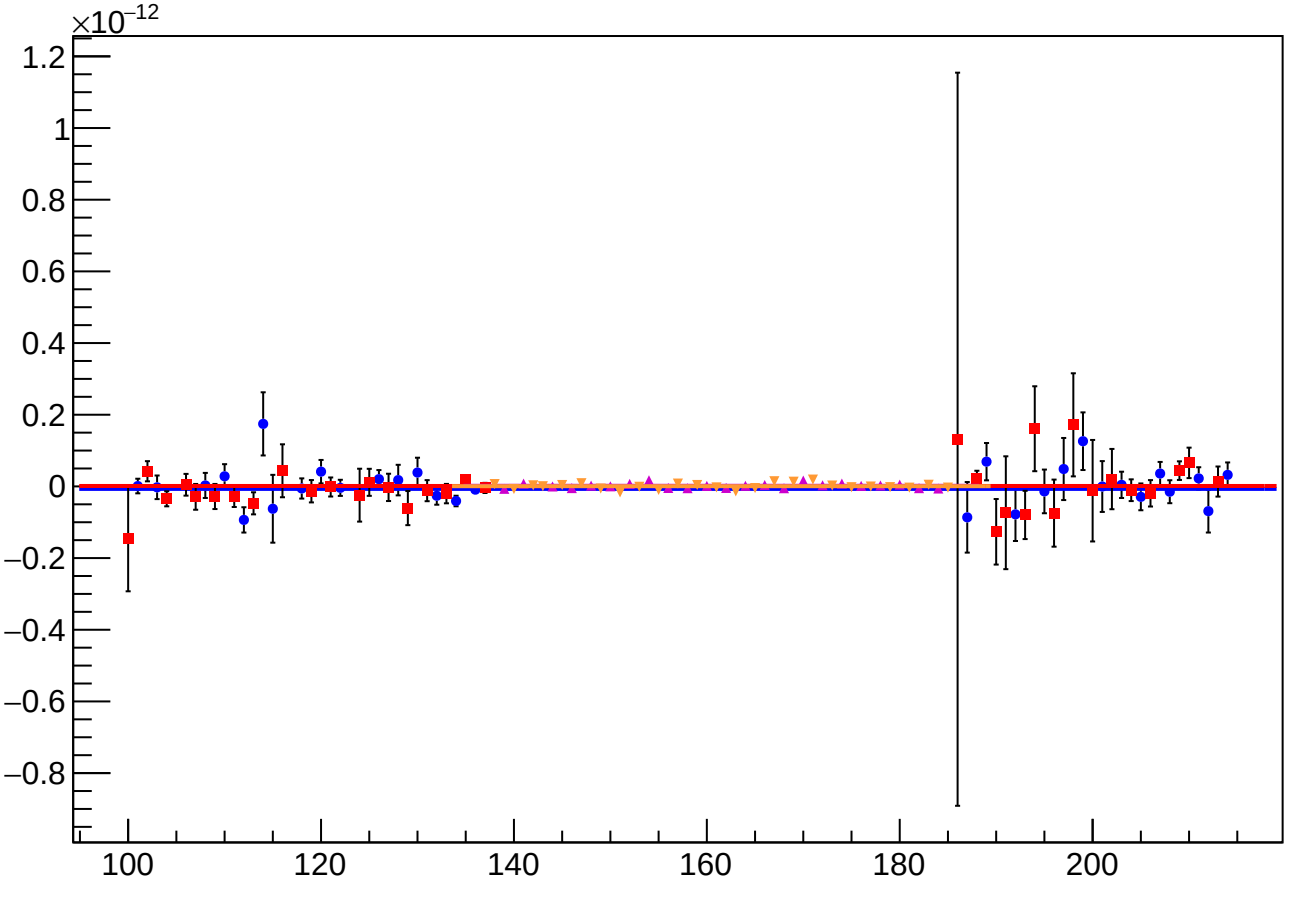
Right: 22.194+/-0.003 χ^2/NDF: 7554444.2/63

In: 20.920+/-0.003 χ^2/NDF:4267416.5/52

Out: 21.631+/-0.003 χ^2/NDF:6120851.8/58

All: 21.268+/-0.002 χ^2/NDF: 10425046.0/111

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

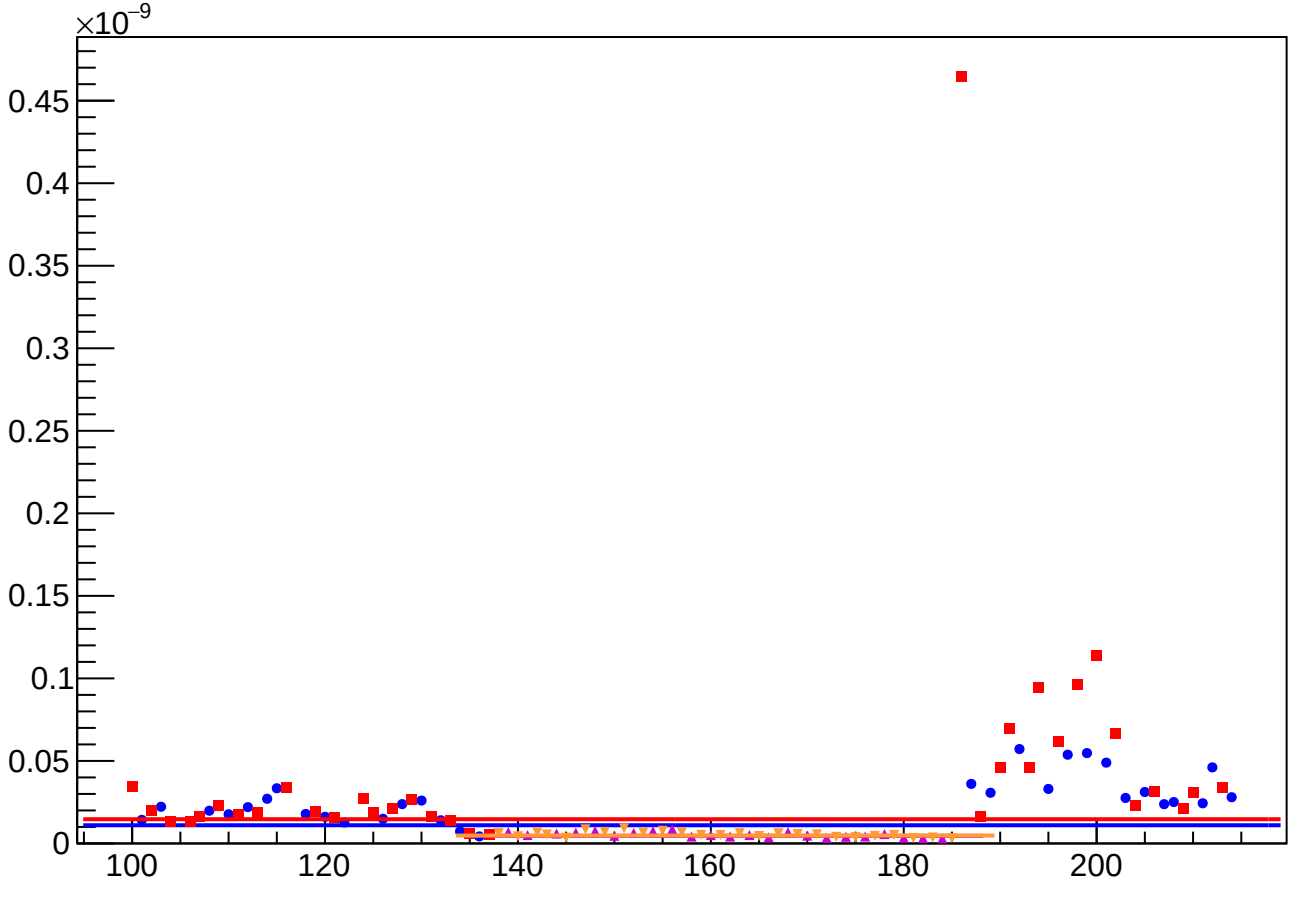
Right: -0.000+/-0.000 χ^2/NDF: 67.8/63

In: 0.000+/-0.000 χ^2/NDF:59.5/52

Out: 0.000+/-0.000 χ^2/NDF:60.2/58

All: 0.000+/-0.000 χ^2/NDF: 119.7/111

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

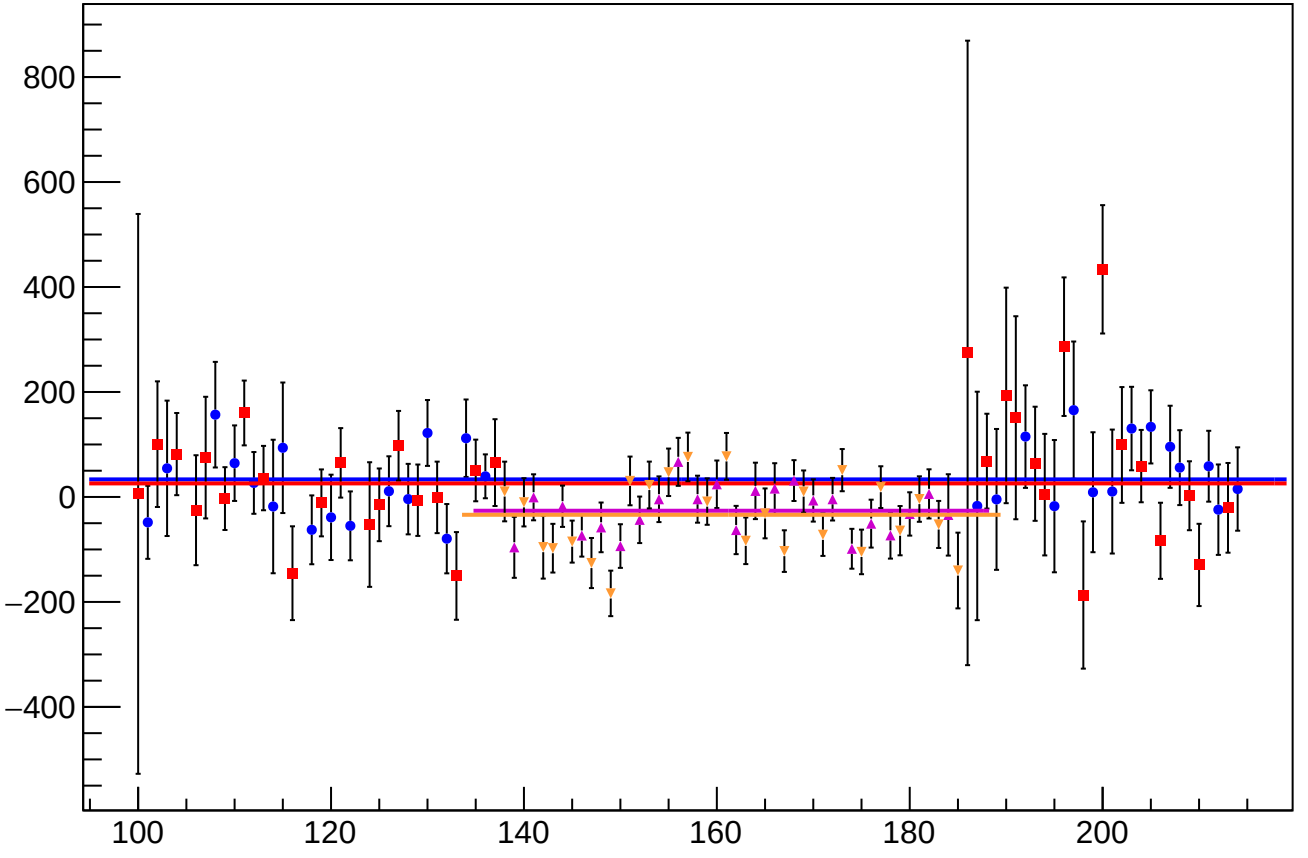
Right: 0.000+/-0.000 χ^2/NDF: 21075939.2/63

In: 0.000+/-0.000 χ^2/NDF:16909498.4/52

Out: 0.000+/-0.000 χ^2/NDF:18789779.1/58

All: 0.000+/-0.000 χ^2/NDF: 35727331.6/111

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

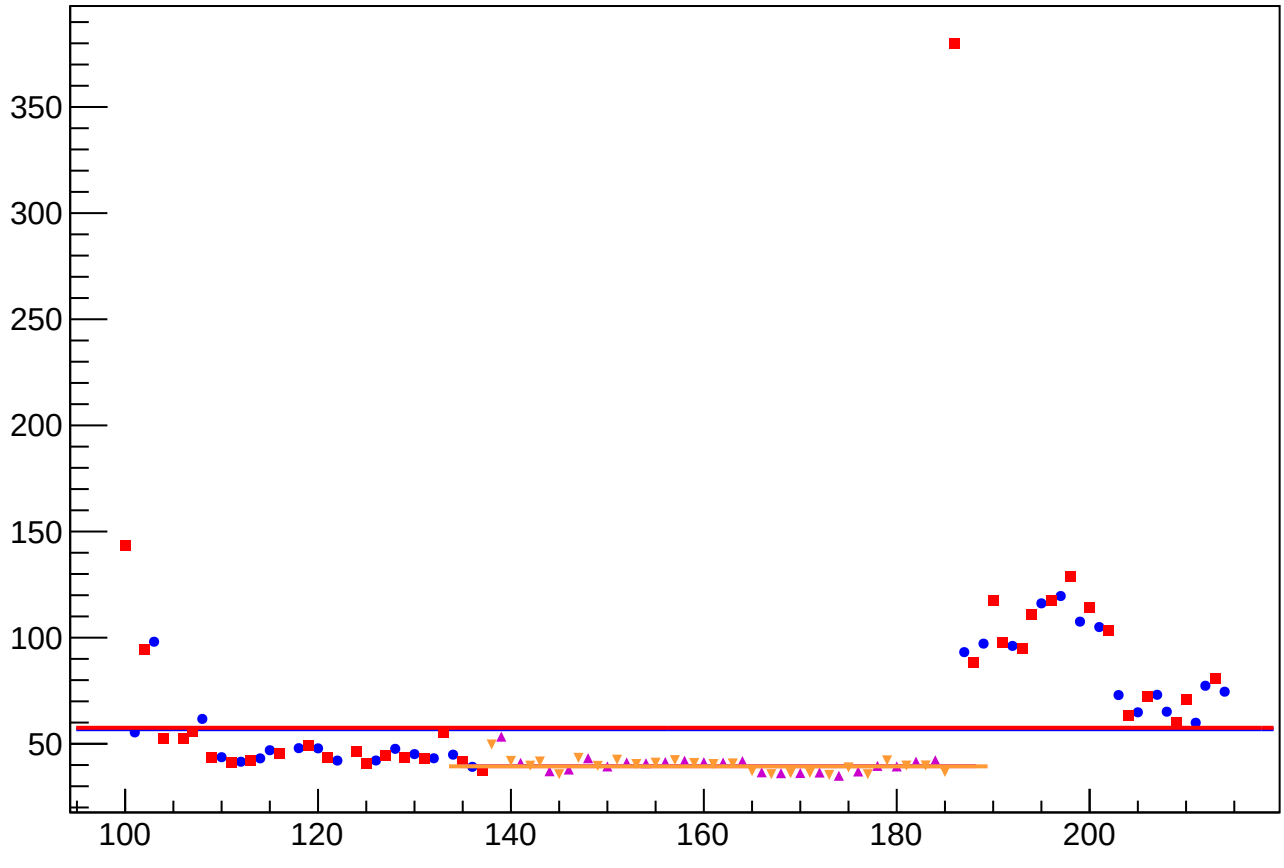
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 29.683+/-10.093 χ^2/NDF: 66.0/63

In: -8.403+/-7.762 χ^2/NDF:56.7/52

Out: -17.109+/-7.621 χ^2/NDF:115.3/58

All: -12.835+/-5.438 χ^2/NDF: 172.6/111



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

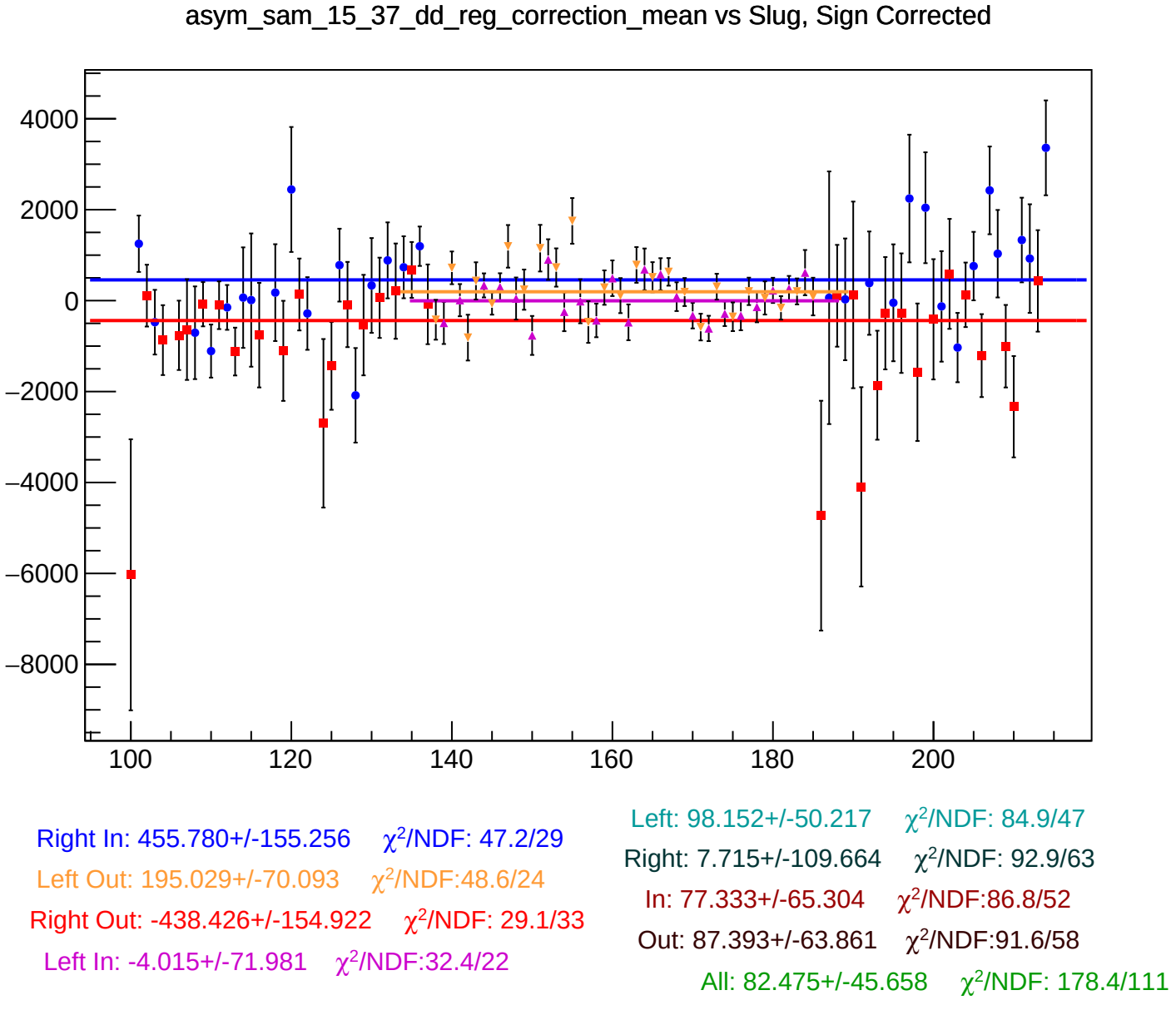
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

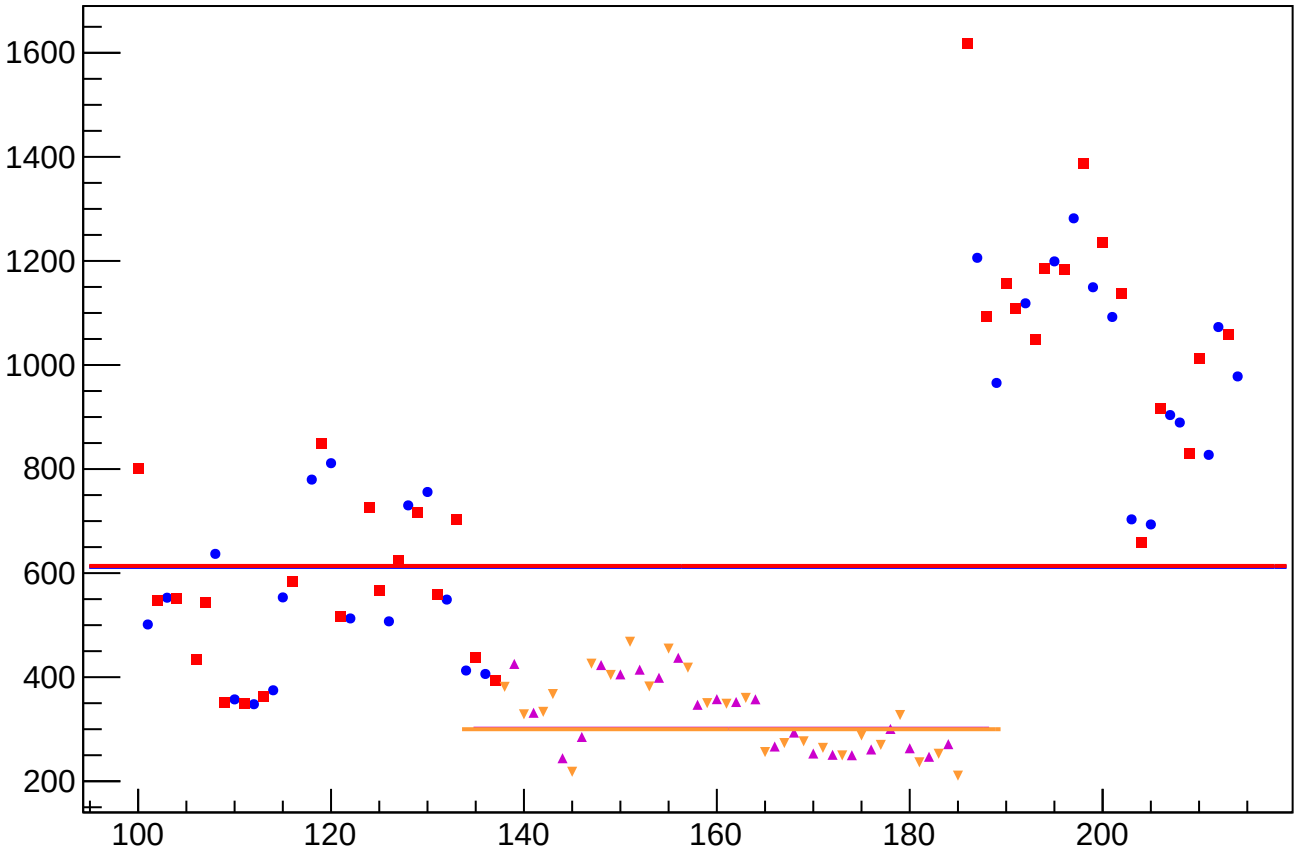
Right: 57.205+/-0.007 χ^2/NDF: 9138084.6/63

In: 44.691+/-0.005 χ^2/NDF:6295656.6/52

Out: 44.500+/-0.005 χ^2/NDF:7722056.6/58

All: 44.594+/-0.004 χ^2/NDF: 14018329.7/11


asym_sam_15_37_dd_reg_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: 455.780+/-155.256 χ²/NDF: 47.2/29
Left Out: 195.029+/-70.093 χ²/NDF:48.6/24
Right Out: -438.426+/-154.922 χ²/NDF: 29.1/33
Left In: -4.015+/-71.981 χ²/NDF:32.4/22
Left: 98.152+/-50.217 χ²/NDF: 84.9/47
Right: 7.715+/-109.664 χ²/NDF: 92.9/63
In: 77.333+/-65.304 χ²/NDF:86.8/52
Out: 87.393+/-63.861 χ²/NDF:91.6/58
All: 82.475+/-45.658 χ²/NDF: 178.4/111



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

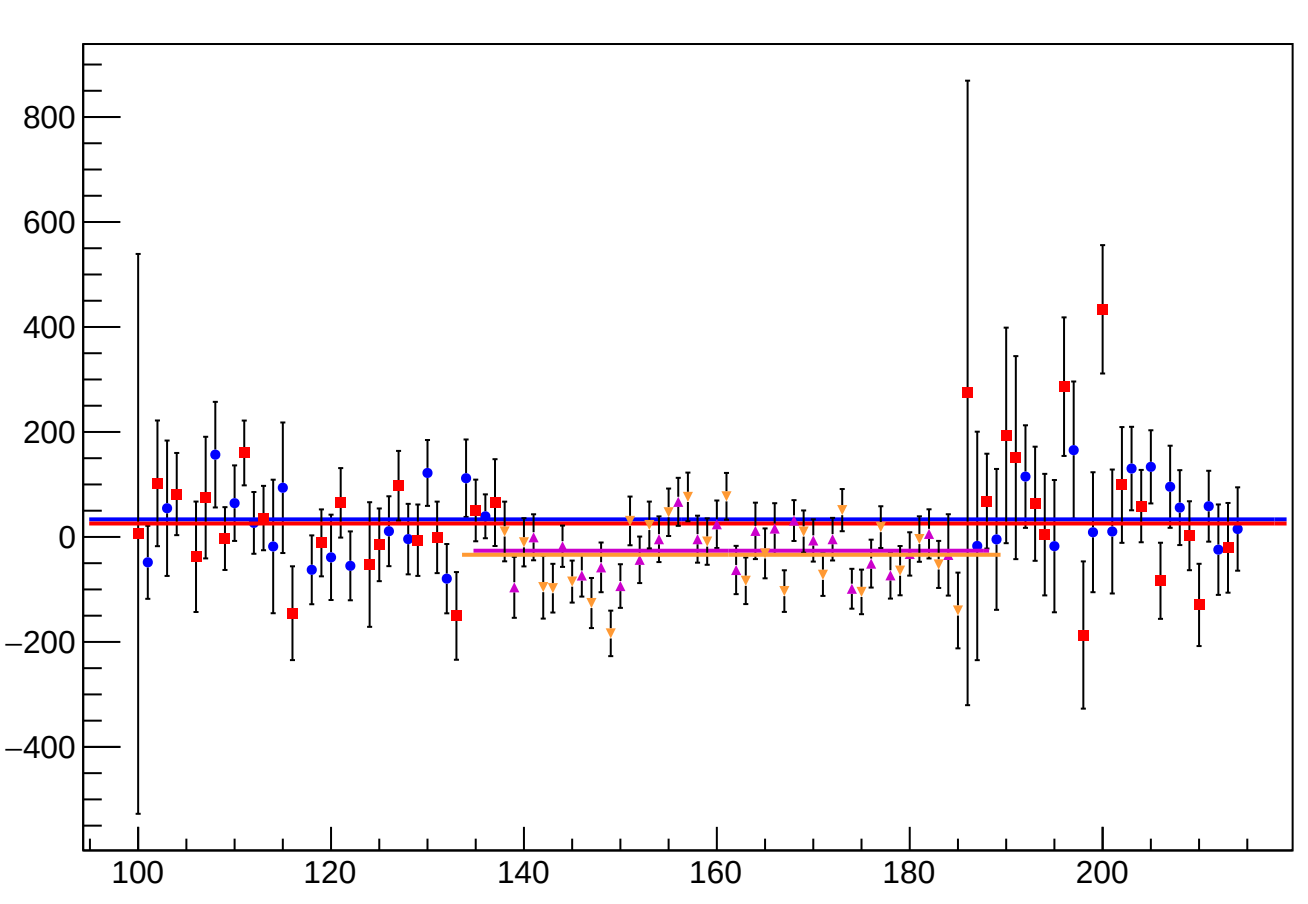
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 612.879+/-0.078 χ^2/NDF: 11650652.2/63

In: 356.013+/-0.046 χ^2/NDF:13245649.3/52

Out: 353.302+/-0.045 χ^2/NDF:15036273.9/58

All: 354.627+/-0.032 χ^2/NDF: 28283685.5/11



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

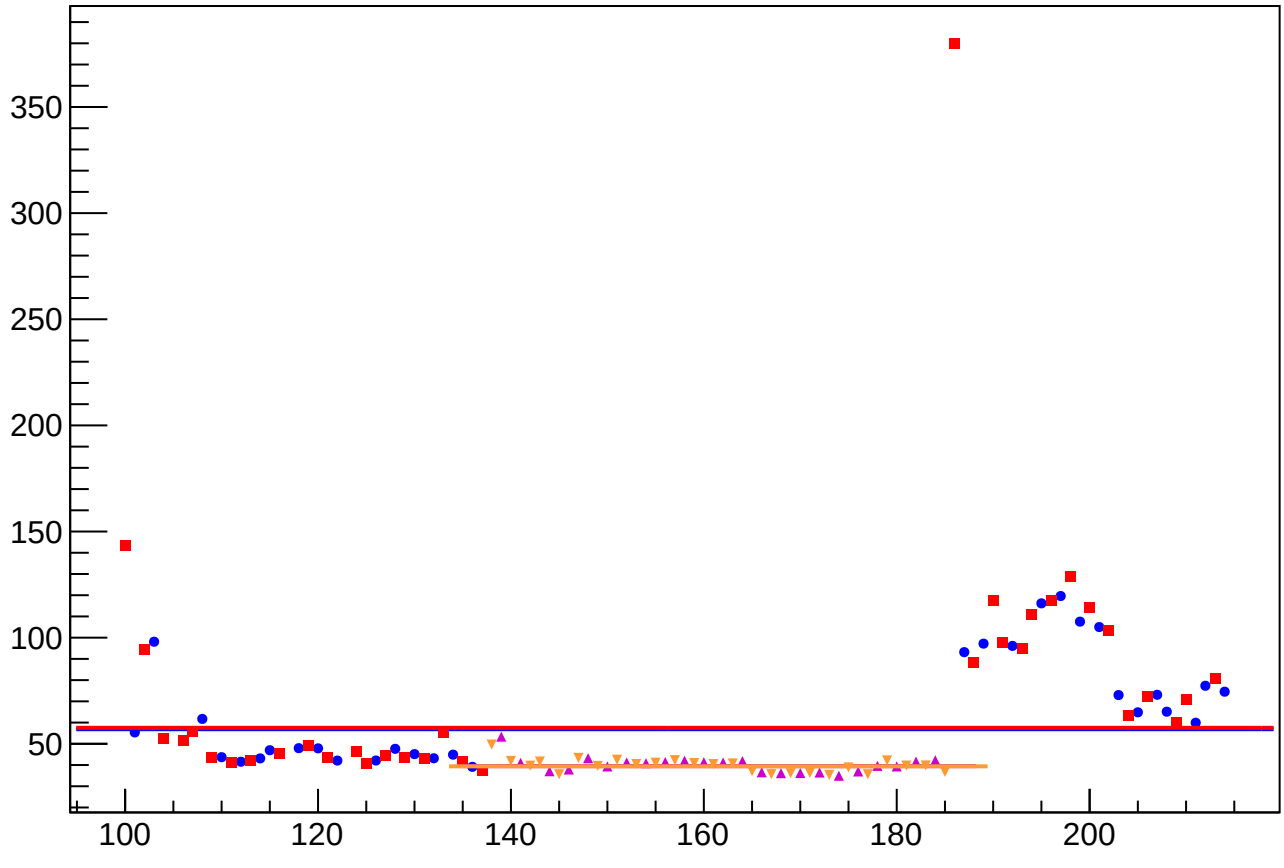
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 29.585+/-10.094 χ^2/NDF: 66.2/63

In: -8.402+/-7.762 χ^2/NDF:56.7/52

Out: -17.168+/-7.622 χ^2/NDF:115.3/58

All: -12.865+/-5.438 χ^2/NDF: 172.6/111



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

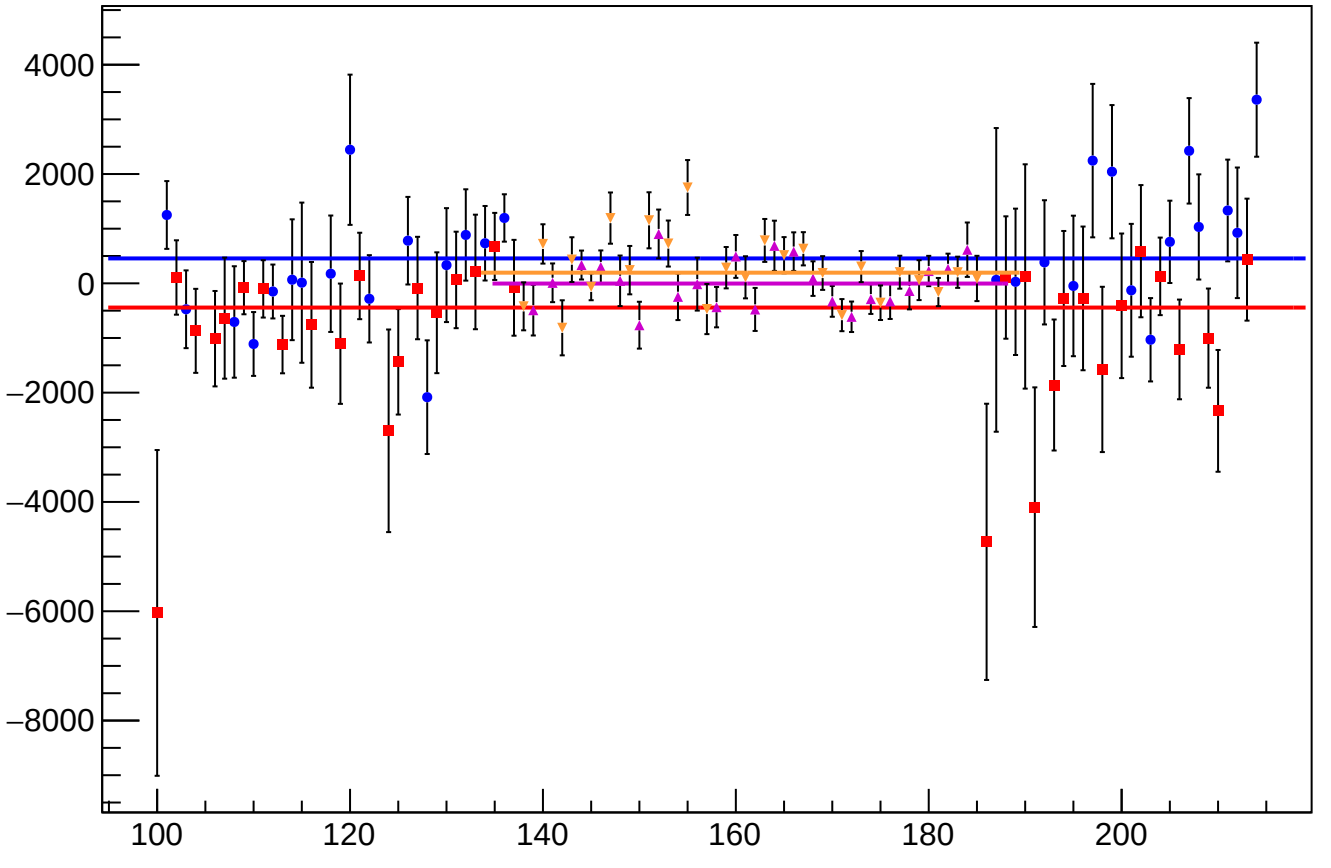
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 57.198+/-0.007 χ^2/NDF: 9139786.6/63

In: 44.691+/-0.005 χ^2/NDF:6295659.6/52

Out: 44.495+/-0.005 χ^2/NDF:7719941.8/58

All: 44.591+/-0.004 χ^2/NDF: 14016248.5/111



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

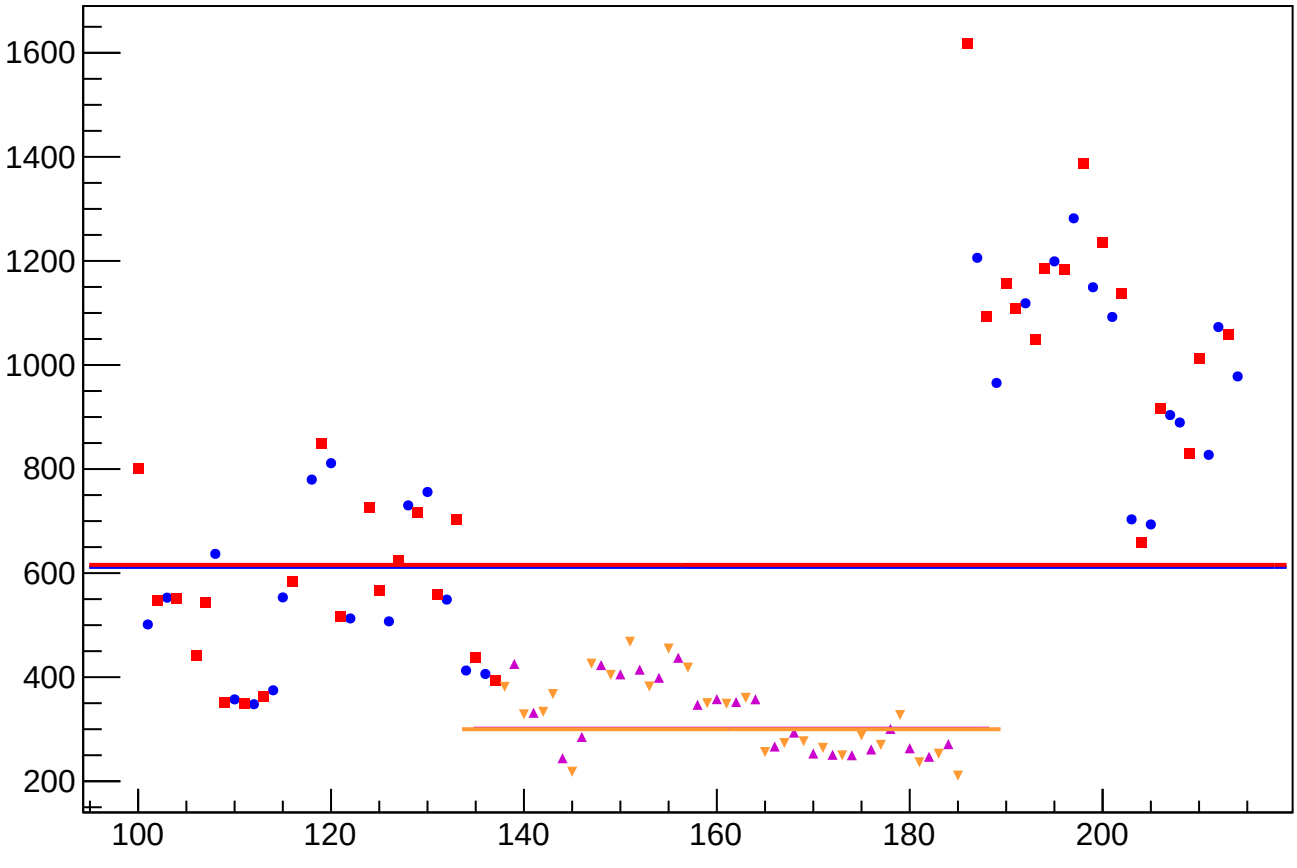
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: 7.463+/-109.936 χ^2/NDF: 93.3/63

In: 77.333+/-65.304 χ^2/NDF:86.8/52

Out: 87.441+/-63.914 χ^2/NDF:92.0/58

All: 82.496+/-45.678 χ^2/NDF: 178.7/111



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

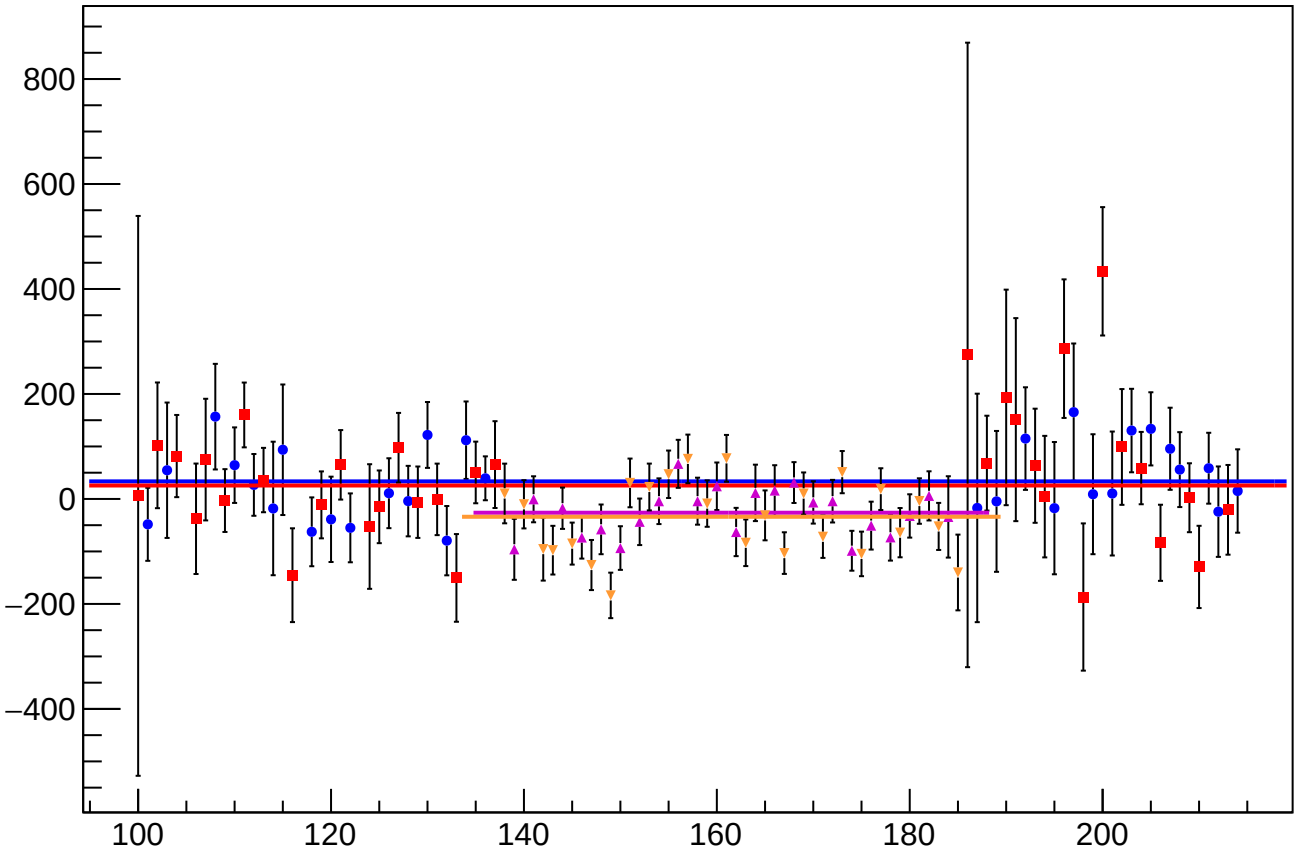
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

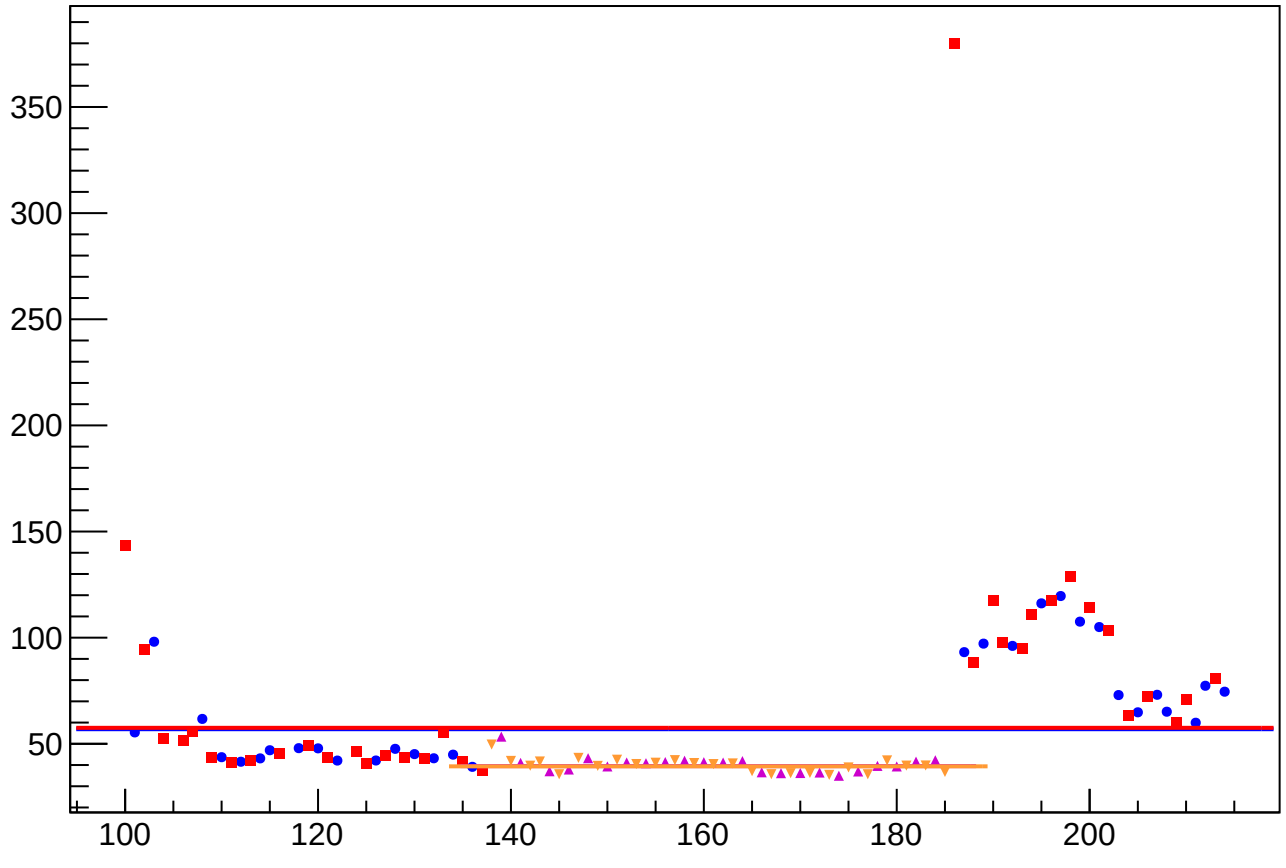
Right: 613.887+/-0.078 χ^2/NDF: 11617527.0/63

In: 356.013+/-0.046 χ^2/NDF:13245710.6/52

Out: 353.208+/-0.045 χ^2/NDF:15034612.9/58

All: 354.580+/-0.032 χ^2/NDF: 28282208.6/11


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
200
Right In: 33.463+/-14.193 χ²/NDF: 21.8/29
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 25.617+/-14.358 χ²/NDF: 44.2/33
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 29.585+/-10.094 χ²/NDF: 66.2/63
In: -8.402+/-7.762 χ²/NDF:56.7/52
Out: -17.168+/-7.622 χ²/NDF:115.3/58
All: -12.865+/-5.438 χ²/NDF: 172.6/111



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

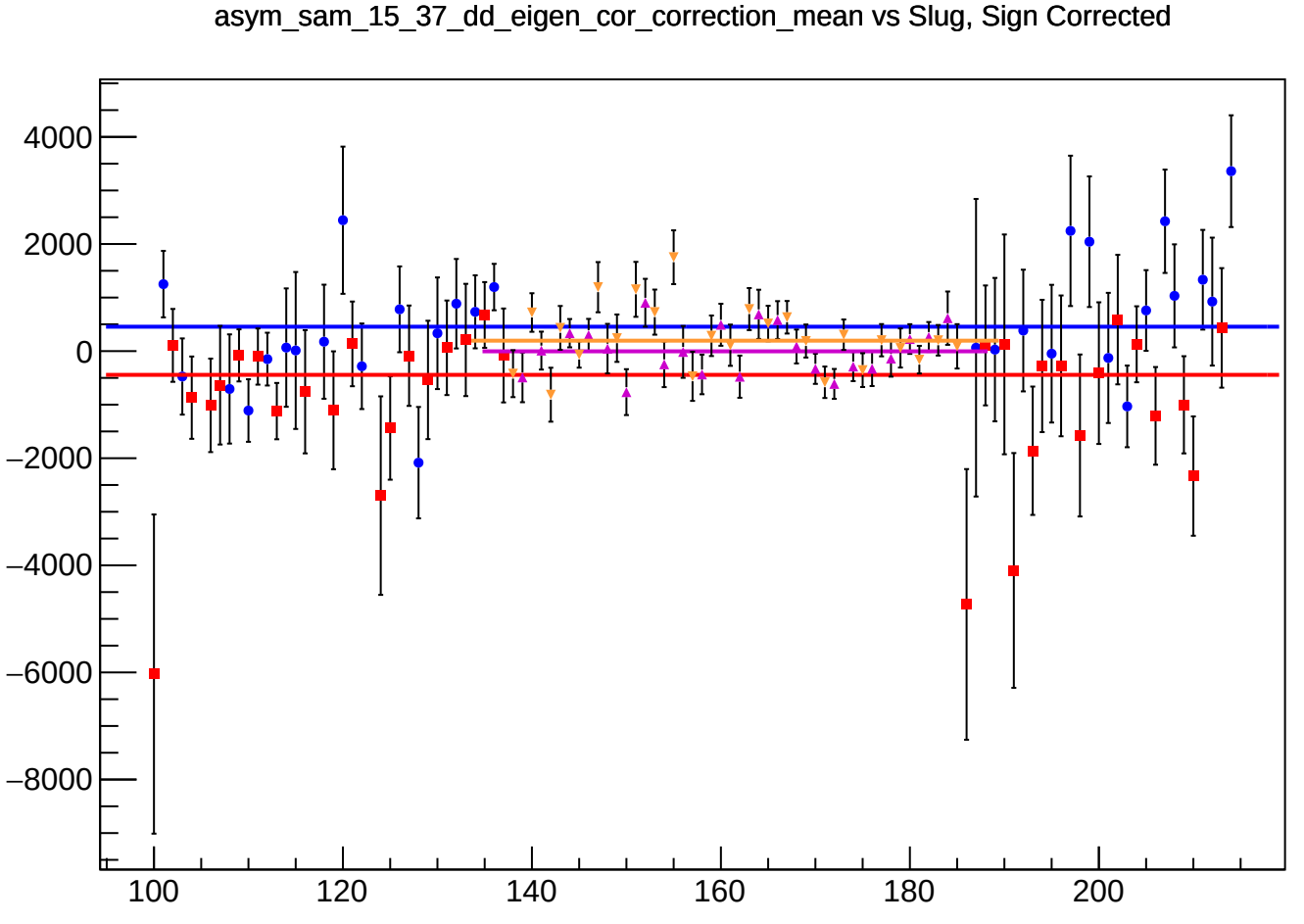
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 57.198+/-0.007 χ^2/NDF: 9139786.6/63

In: 44.691+/-0.005 χ^2/NDF:6295659.6/52

Out: 44.495+/-0.005 χ^2/NDF:7719941.8/58

All: 44.591+/-0.004 χ^2/NDF: 14016248.5/111



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

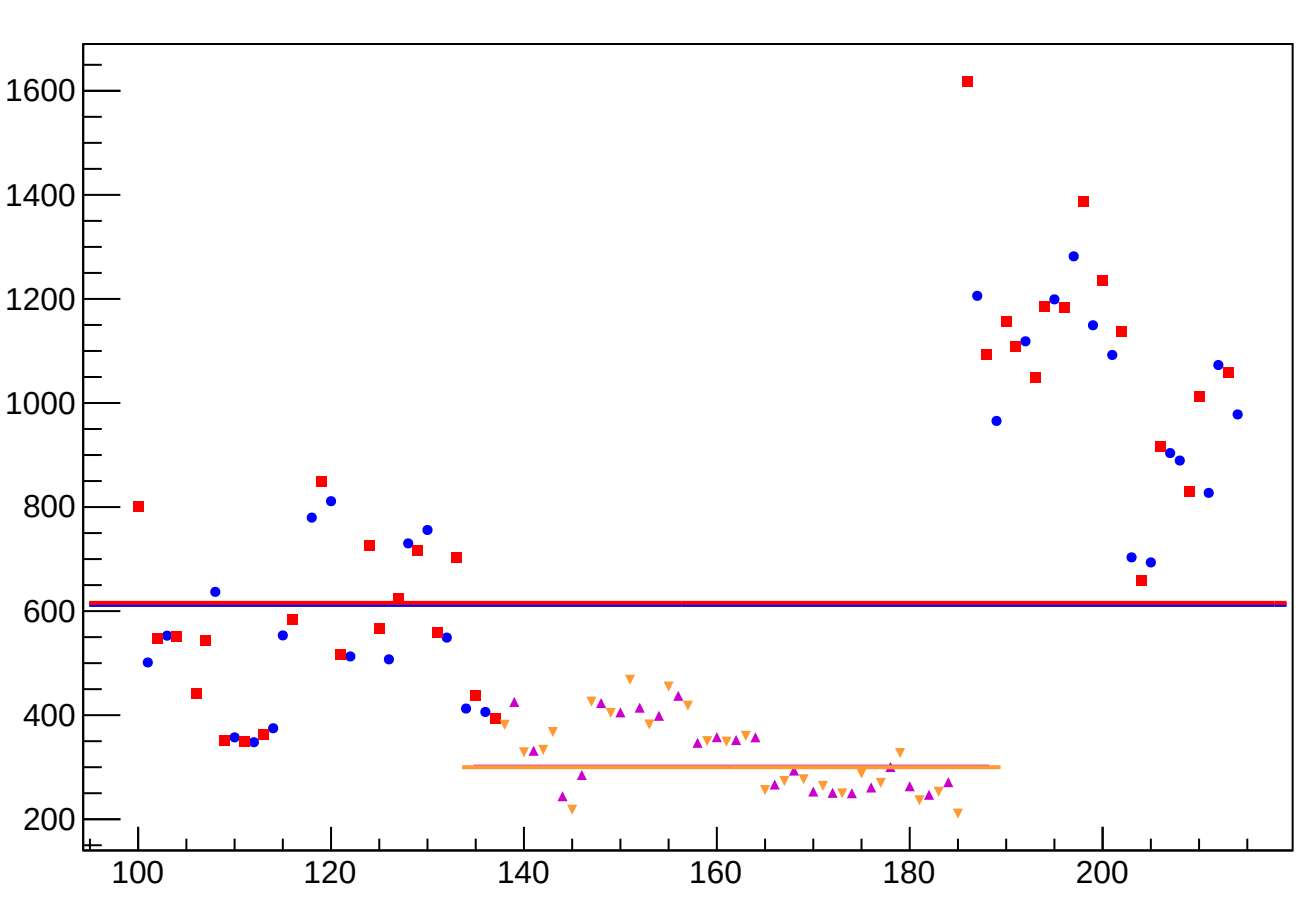
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: 7.463+/-109.936 χ^2/NDF: 93.3/63

In: 77.333+/-65.304 χ^2/NDF:86.8/52

Out: 87.441+/-63.914 χ^2/NDF:92.0/58

All: 82.496+/-45.678 χ^2/NDF: 178.7/111



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

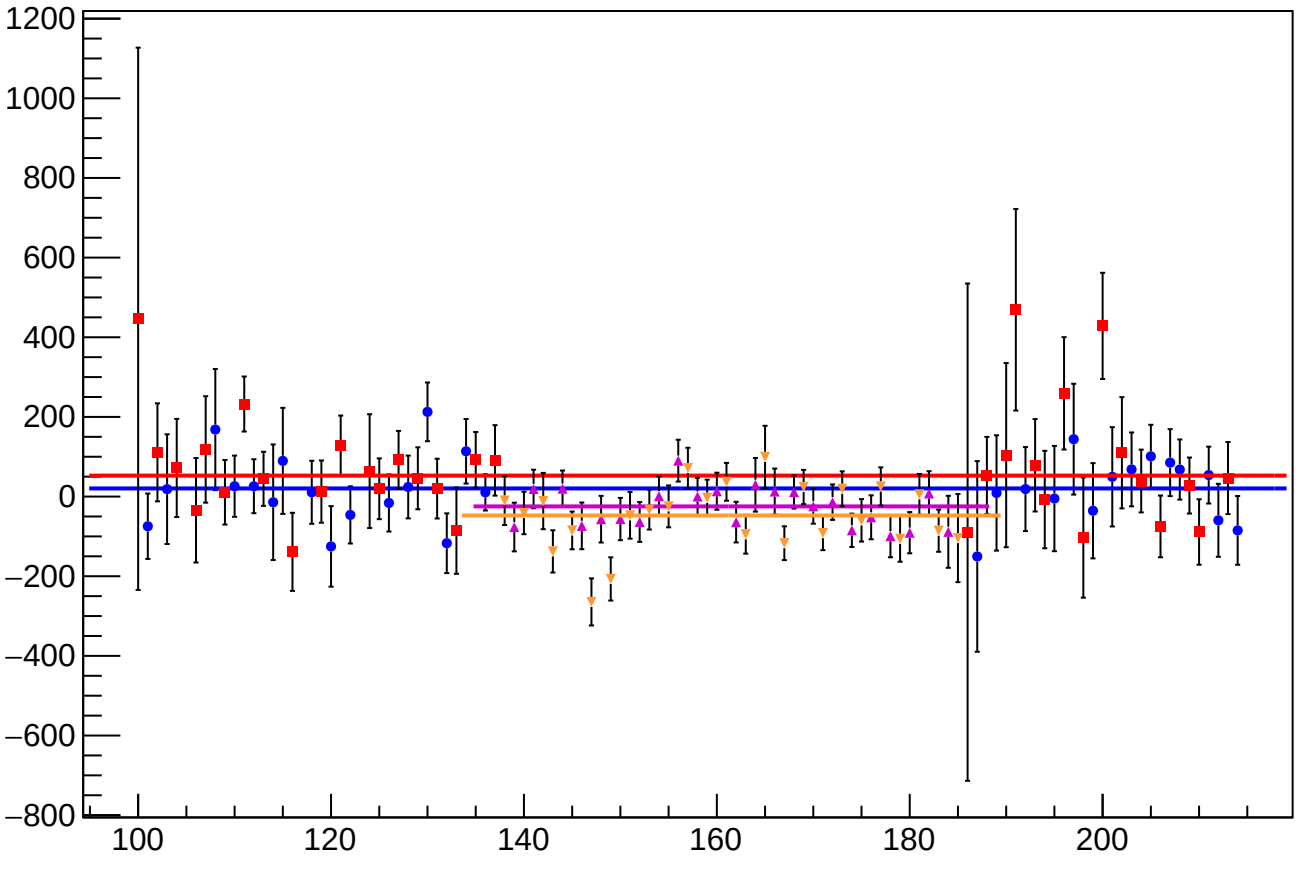
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 613.887+/-0.078 χ^2/NDF: 11617527.0/63

In: 356.013+/-0.046 χ^2/NDF:13245710.6/52

Out: 353.208+/-0.045 χ^2/NDF:15034612.9/58

All: 354.580+/-0.032 χ^2/NDF: 28282208.6/11



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

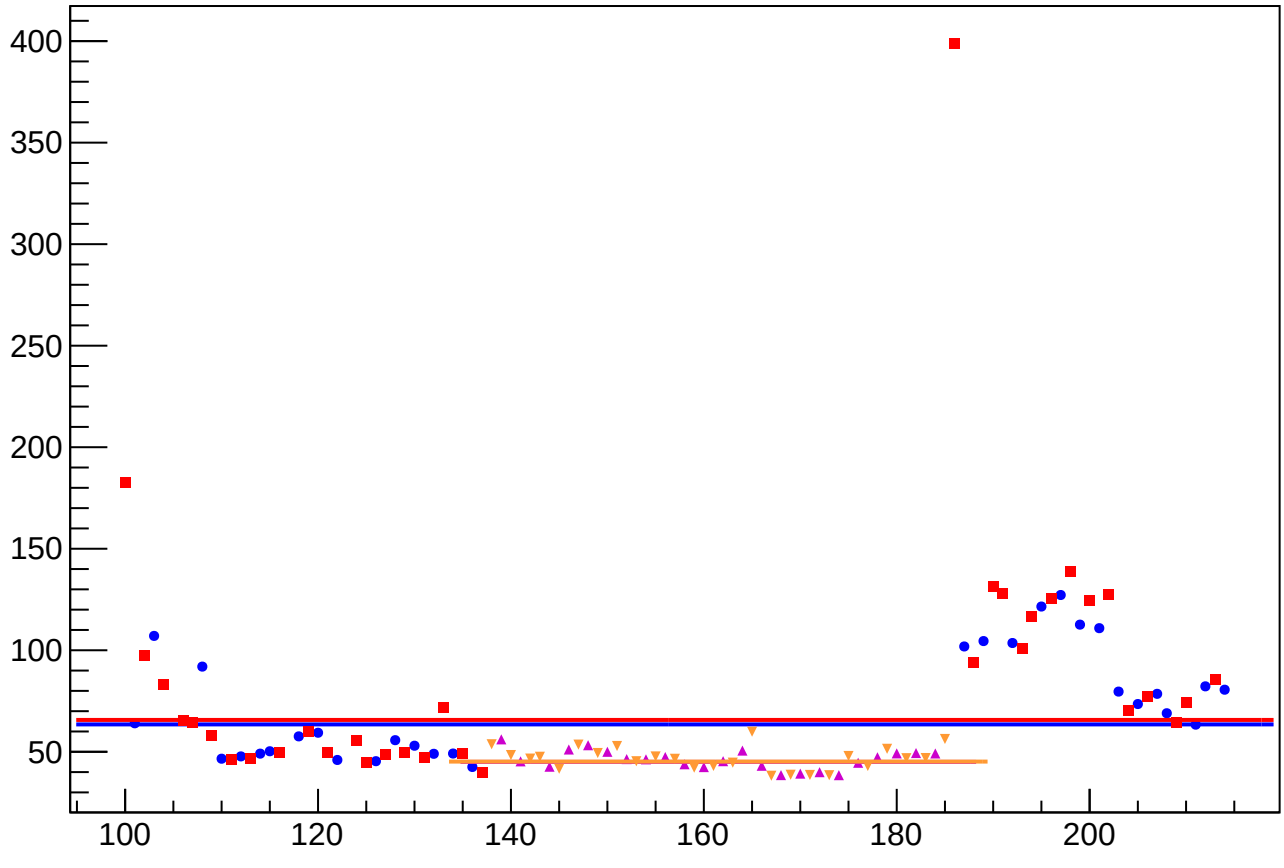
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 35.999+/-11.390 χ^2/NDF: 62.2/63

In: -10.647+/-8.846 χ^2/NDF:49.0/52

Out: -18.736+/-8.774 χ^2/NDF:117.8/58

All: -14.724+/-6.230 χ^2/NDF: 167.2/111



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

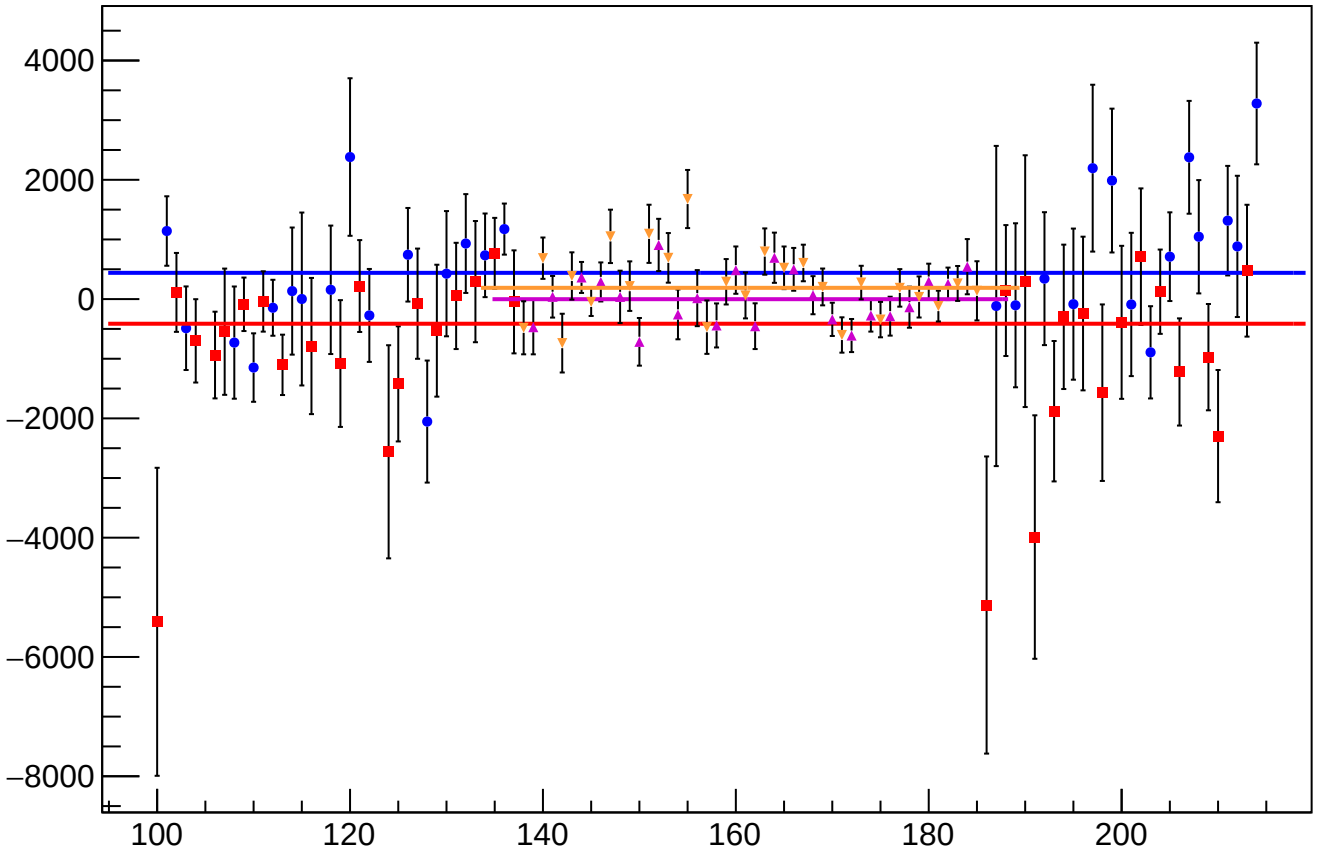
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 64.553+/-0.008 χ^2/NDF: 8505588.2/63

In: 50.768+/-0.006 χ^2/NDF:5901358.8/52

Out: 51.065+/-0.006 χ^2/NDF:7555203.2/58

All: 50.918+/-0.004 χ^2/NDF: 13457693.0/11



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

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

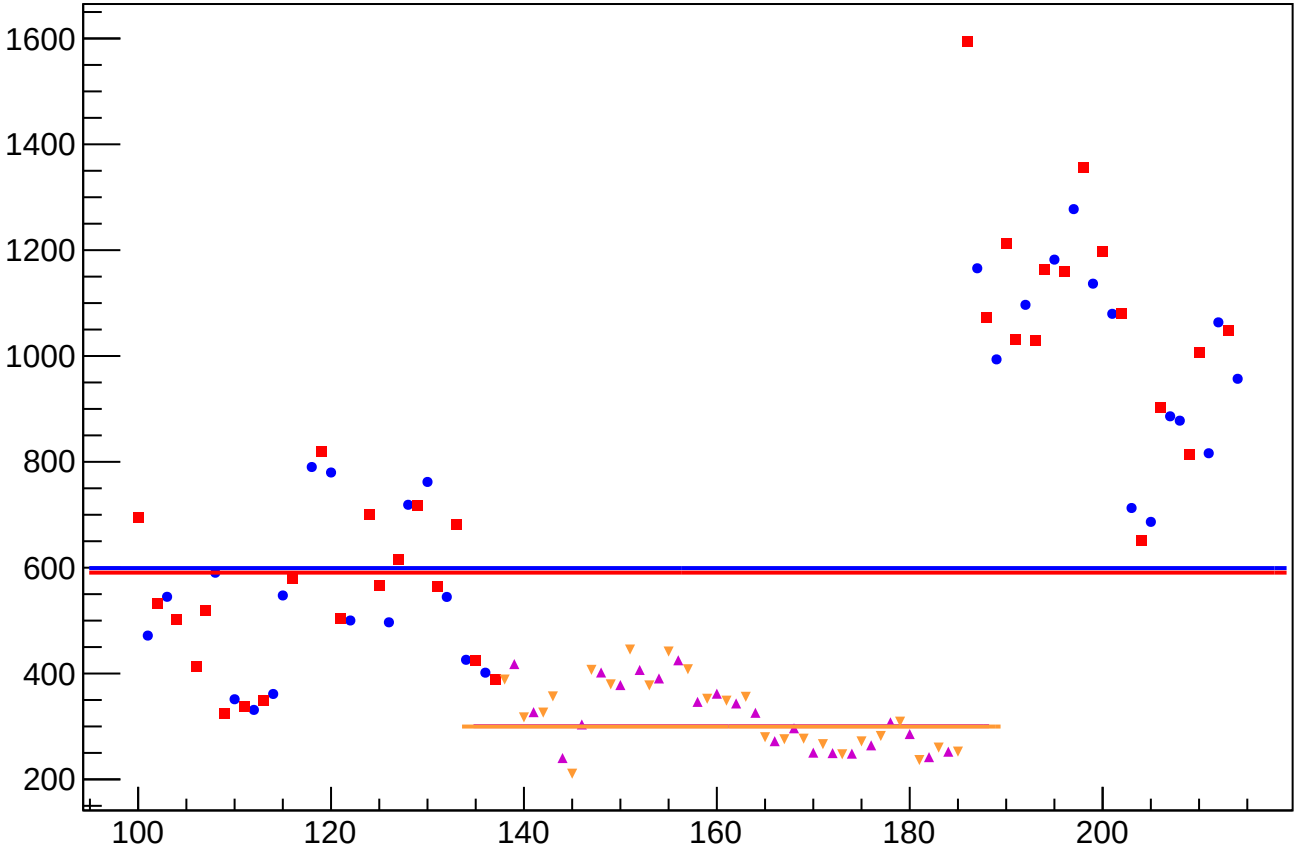
Right: 6.428+/-106.773 χ^2/NDF: 95.3/63

In: 78.553+/-64.878 χ^2/NDF:86.2/52

Out: 81.605+/-63.201 χ^2/NDF:92.3/58

All: 80.119+/-45.271 χ^2/NDF: 178.4/111

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



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

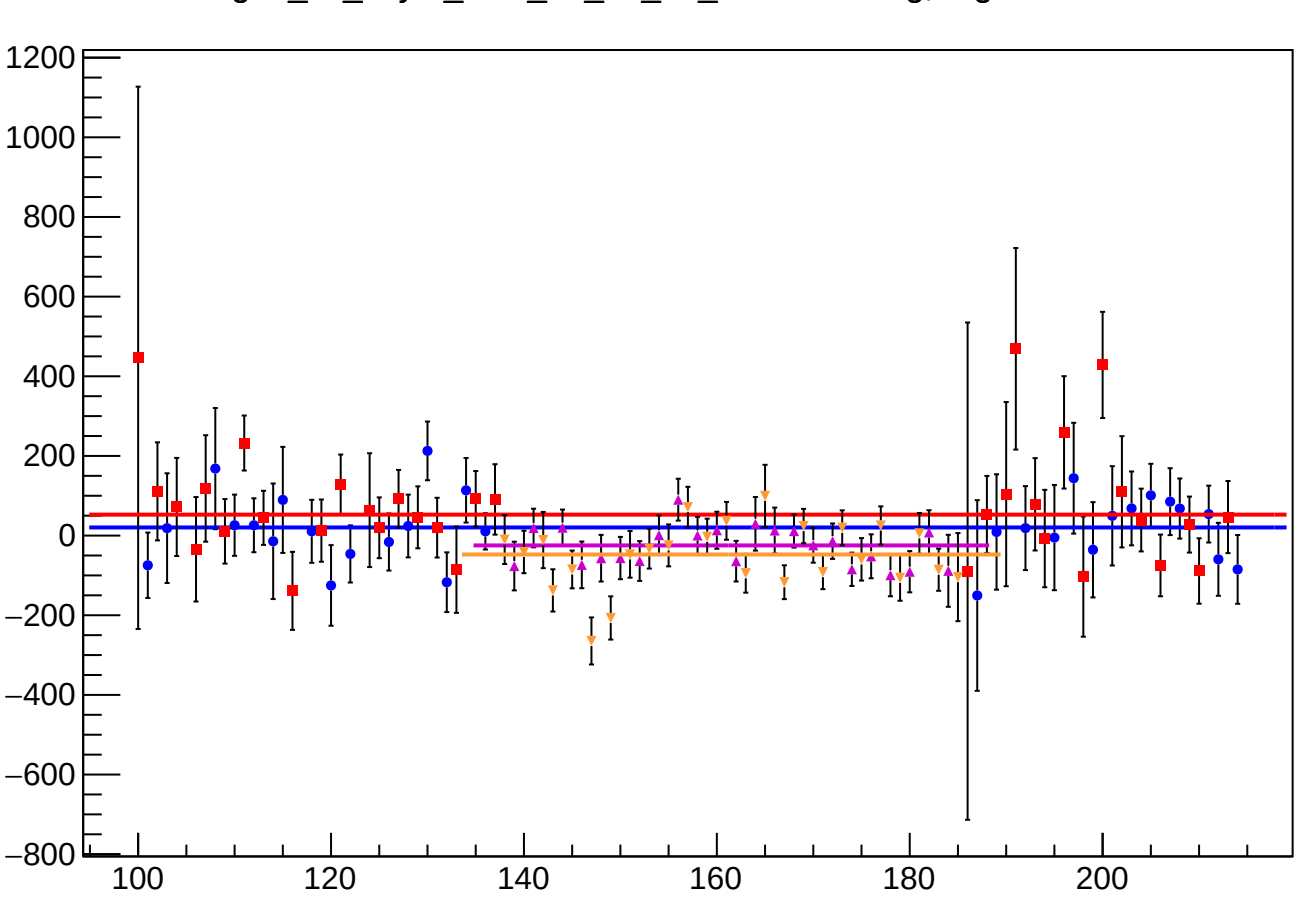
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 594.886+/-0.075 χ^2/NDF: 12117636.8/63

In: 354.763+/-0.046 χ^2/NDF:12947917.1/52

Out: 351.607+/-0.045 χ^2/NDF:14503222.9/58

All: 353.144+/-0.032 χ^2/NDF: 27453568.4/1



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

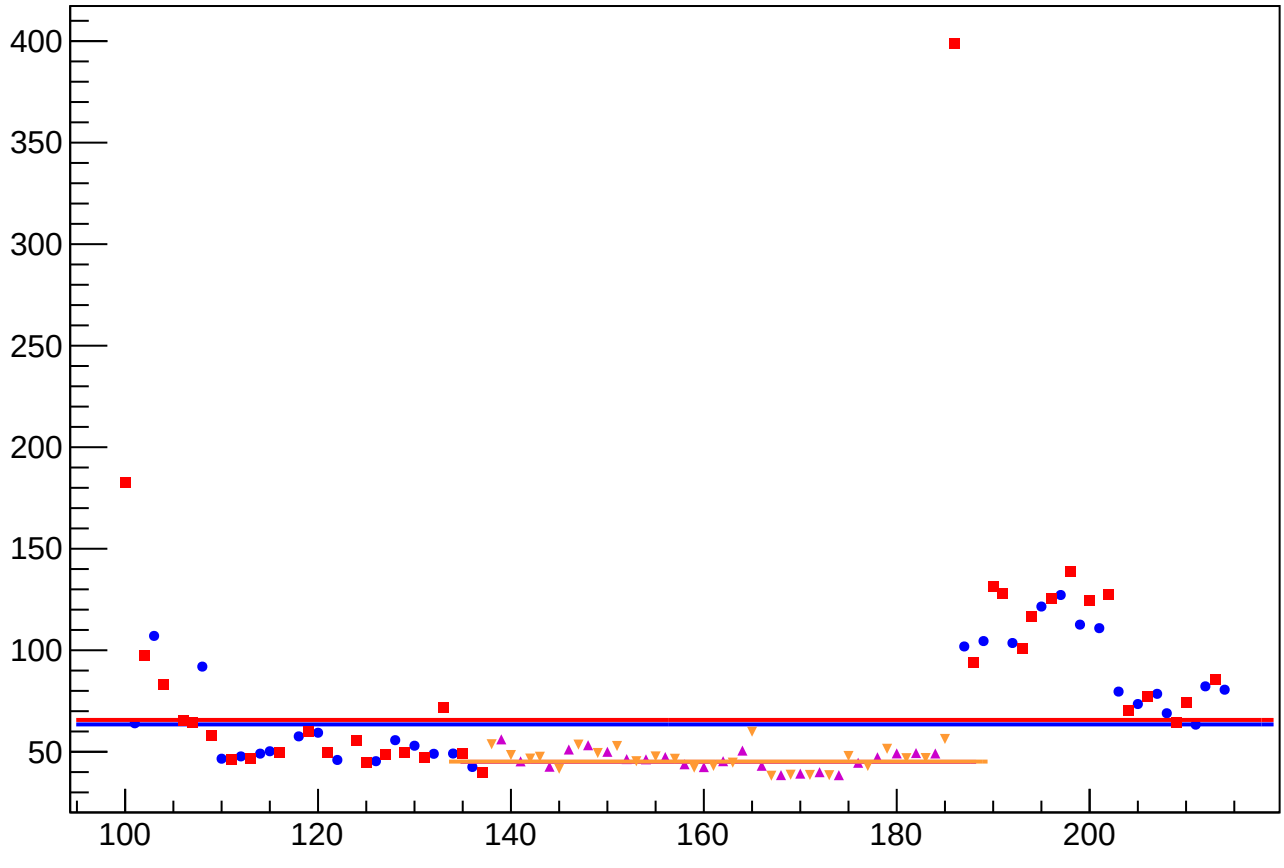
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 35.999+/-11.390 χ^2/NDF: 62.2/63

In: -10.647+/-8.846 χ^2/NDF:49.0/52

Out: -18.736+/-8.774 χ^2/NDF:117.8/58

All: -14.724+/-6.230 χ^2/NDF: 167.3/111



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

Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

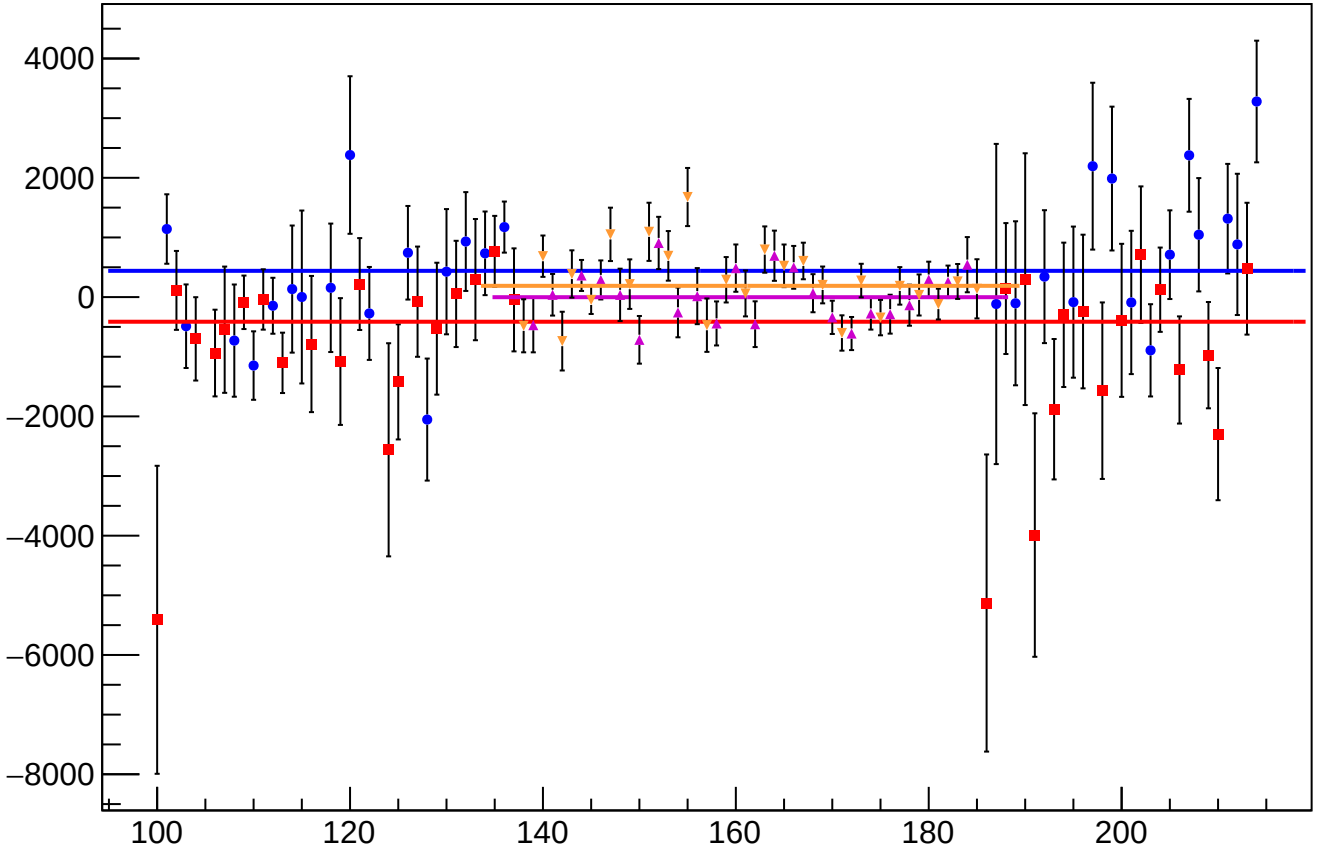
Right: 64.553+/-0.008 χ^2/NDF: 8505597.4/63

In: 50.768+/-0.006 χ^2/NDF:5901356.4/52

Out: 51.065+/-0.006 χ^2/NDF:7555213.7/58

All: 50.918+/-0.004 χ^2/NDF: 13457700.8/11

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

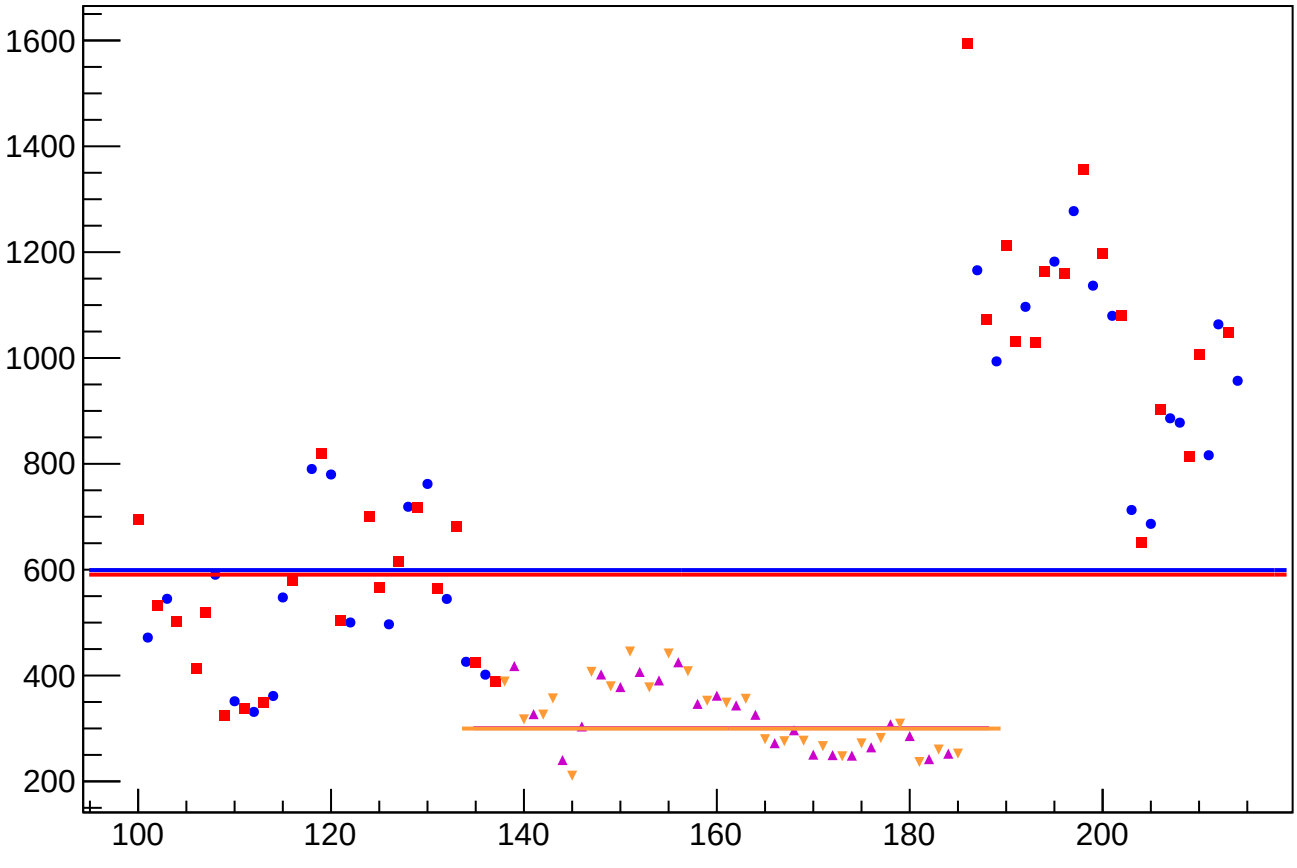
Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

Right: 6.427+/-106.773 χ^2/NDF: 95.3/63

In: 78.553+/-64.878 χ^2/NDF:86.2/52

Out: 81.605+/-63.201 χ^2/NDF:92.3/58

All: 80.119+/-45.271 χ^2/NDF: 178.4/111



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

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

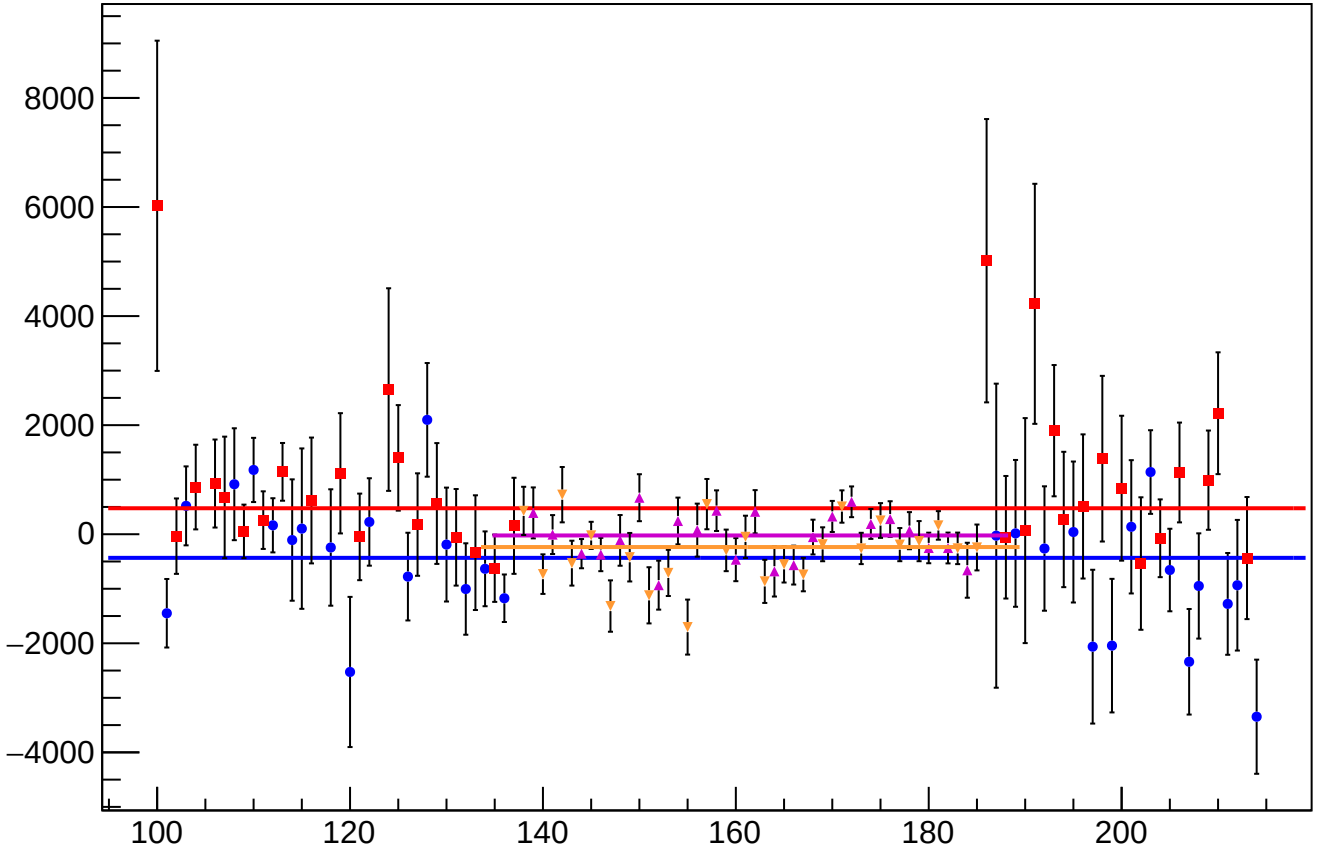
Right: 594.886+/-0.075 χ^2/NDF: 12117669.4/63

In: 354.764+/-0.046 χ^2/NDF:12947888.1/52

Out: 351.607+/-0.045 χ^2/NDF:14503202.4/58

All: 353.144+/-0.032 χ^2/NDF: 27453519.3/11

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

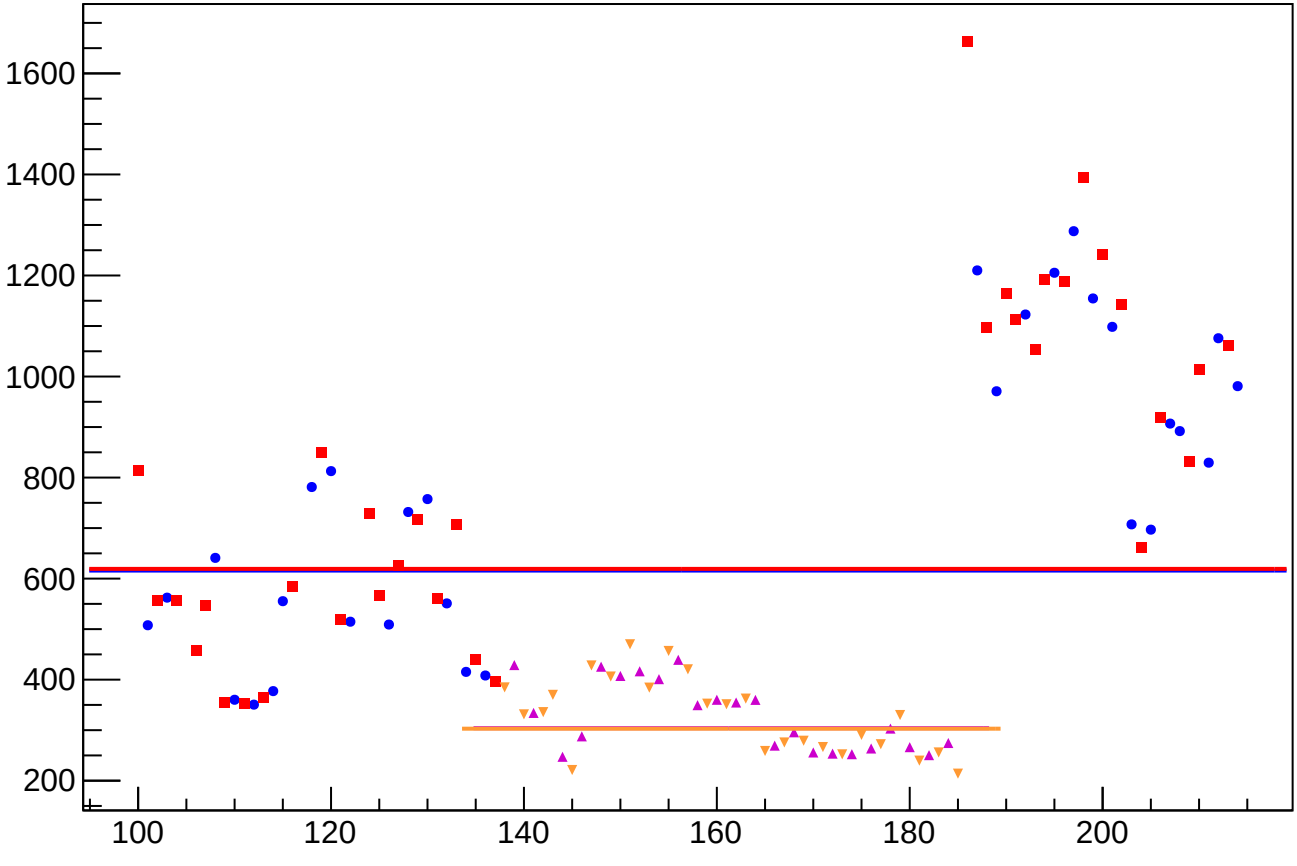
Right: 21.597+/-110.429 χ^2/NDF: 93.3/63

In: -95.685+/-65.866 χ^2/NDF:84.1/52

Out: -114.024+/-64.438 χ^2/NDF:92.5/58

All: -105.056+/-46.061 χ^2/NDF: 176.6/111

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

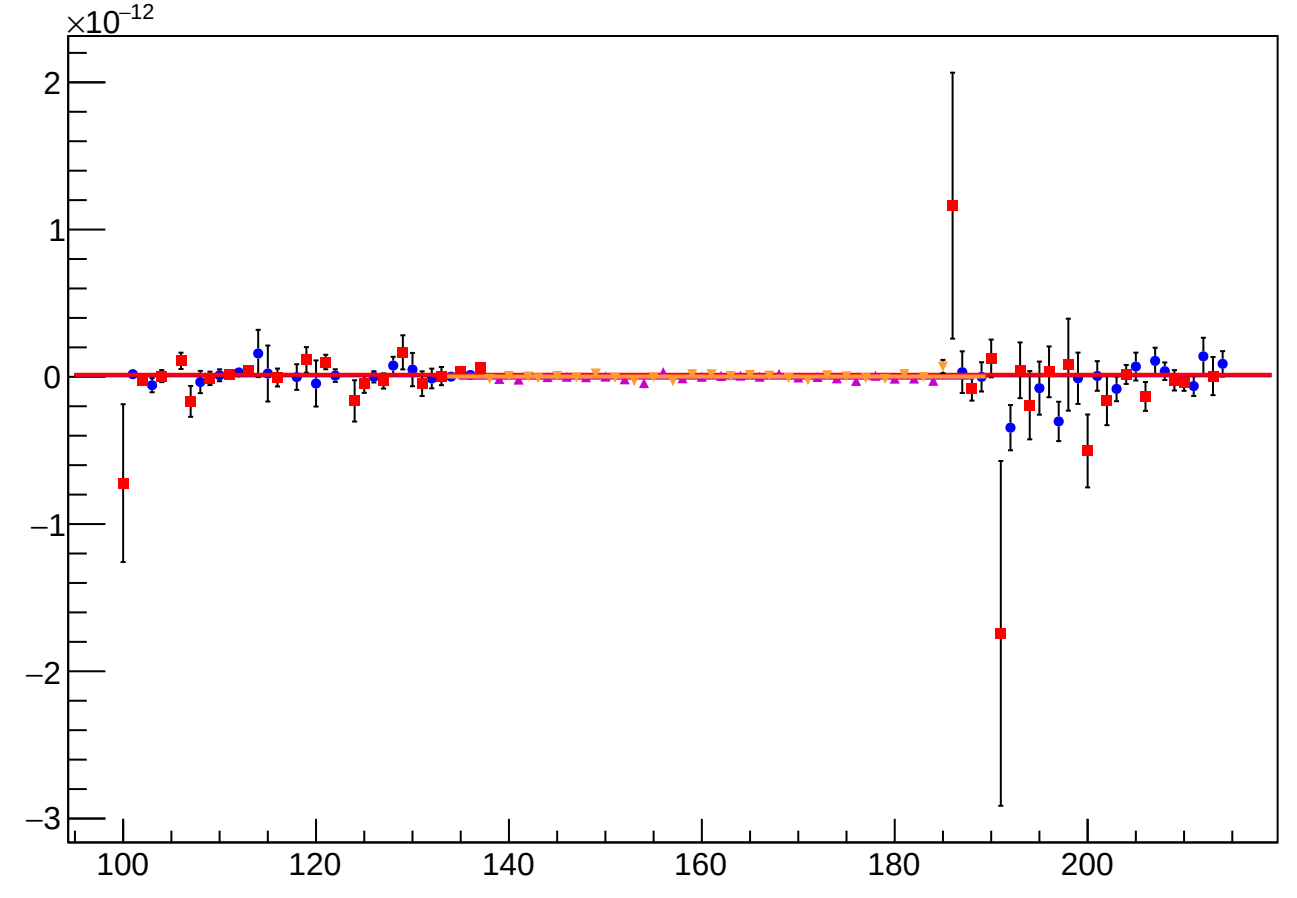
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 617.594+/-0.078 χ^2/NDF: 11557600.6/63

In: 359.415+/-0.047 χ^2/NDF:13140724.9/52

Out: 356.804+/-0.046 χ^2/NDF:14929730.9/58

All: 358.081+/-0.033 χ^2/NDF: 28072061.5/11



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

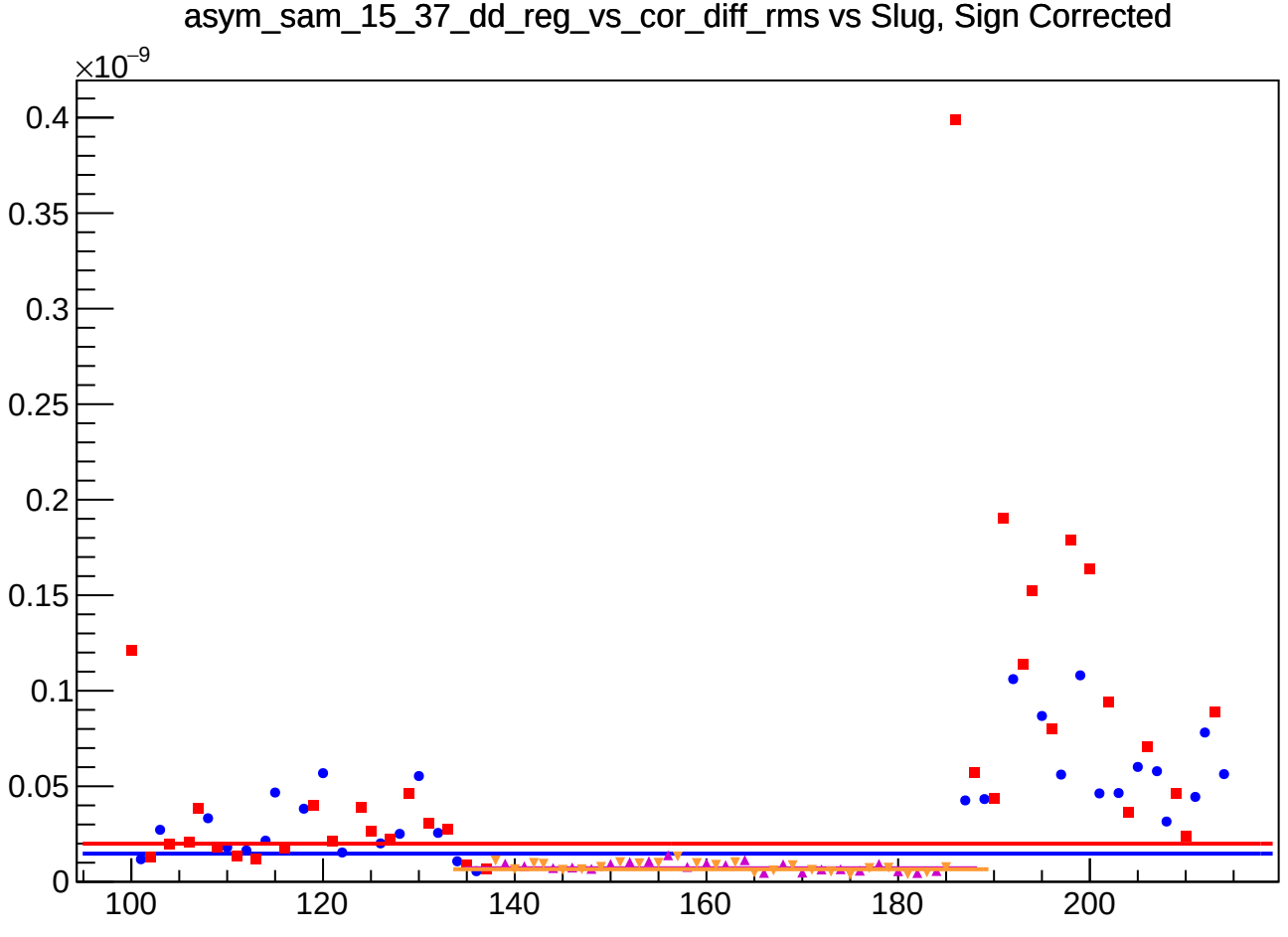
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 62.5/63

In: -0.000+/-0.000 χ^2/NDF:44.8/52

Out: 0.000+/-0.000 χ^2/NDF:64.0/58

All: -0.000+/-0.000 χ^2/NDF: 112.3/111



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

Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

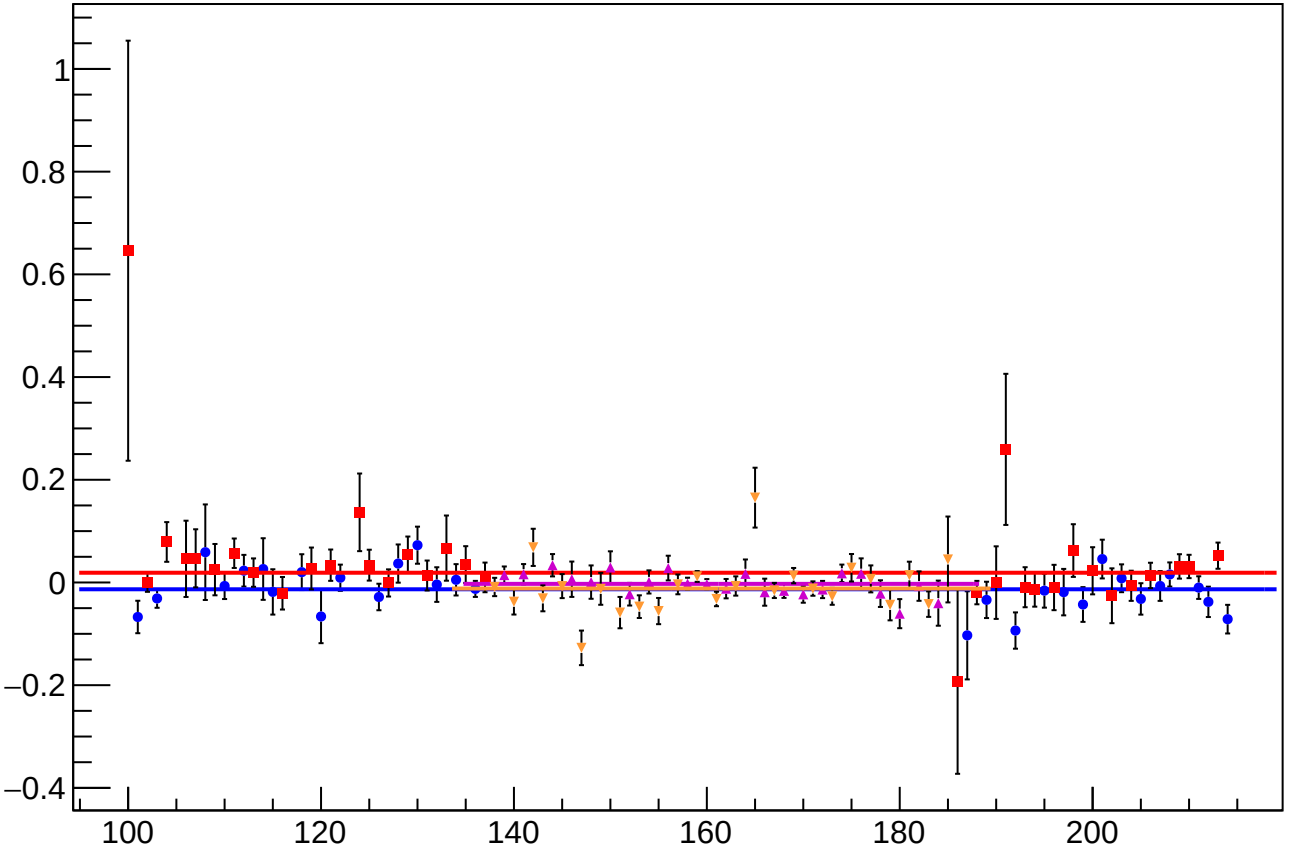
Right: 0.000+/-0.000 χ^2/NDF: 14718580.7/63

In: 0.000+/-0.000 χ^2/NDF:10191534.8/52

Out: 0.000+/-0.000 χ^2/NDF:11964442.5/58

All: 0.000+/-0.000 χ^2/NDF: 22196313.1/111

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

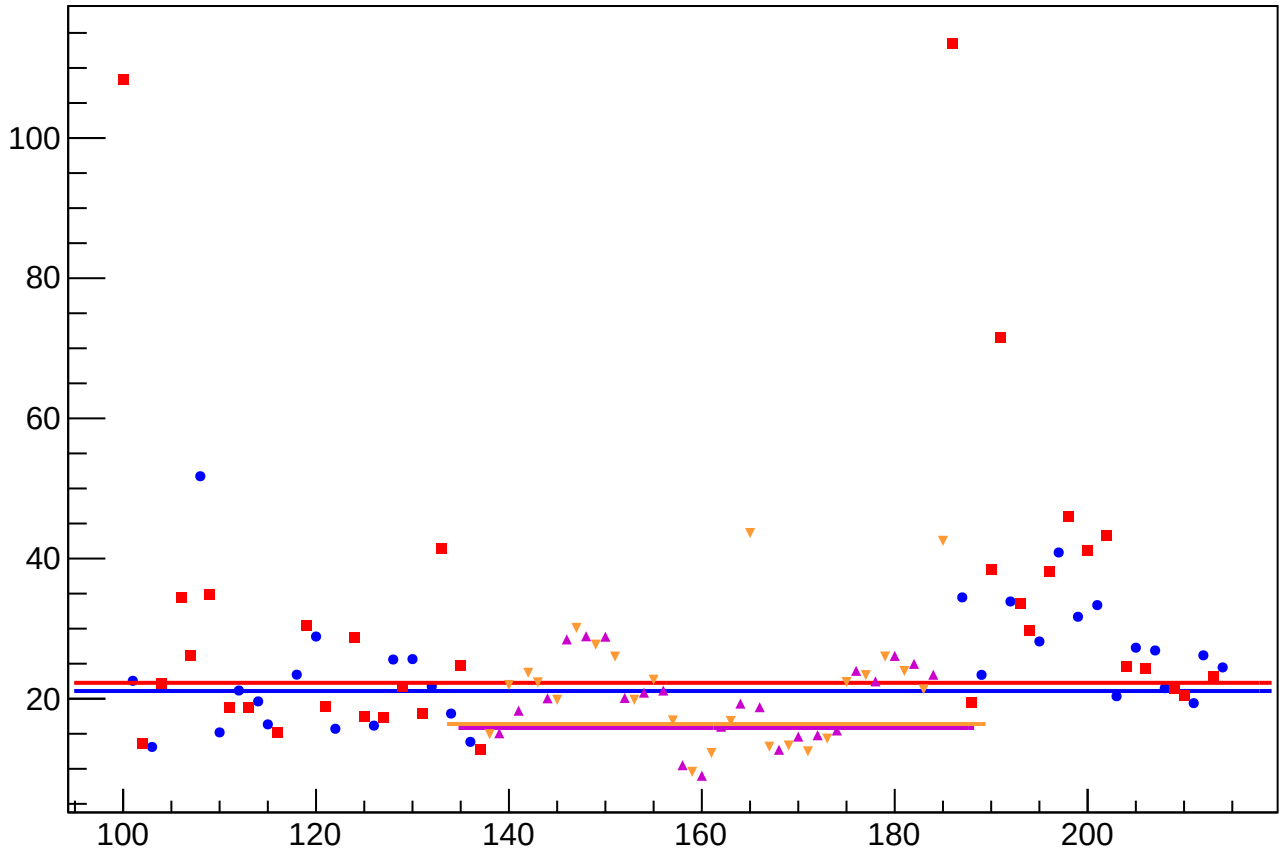
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.002+/-0.004 χ^2/NDF: 79.8/63

In: -0.006+/-0.003 χ^2/NDF:57.0/52

Out: -0.002+/-0.003 χ^2/NDF:100.9/58

All: -0.004+/-0.002 χ^2/NDF: 159.0/111



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

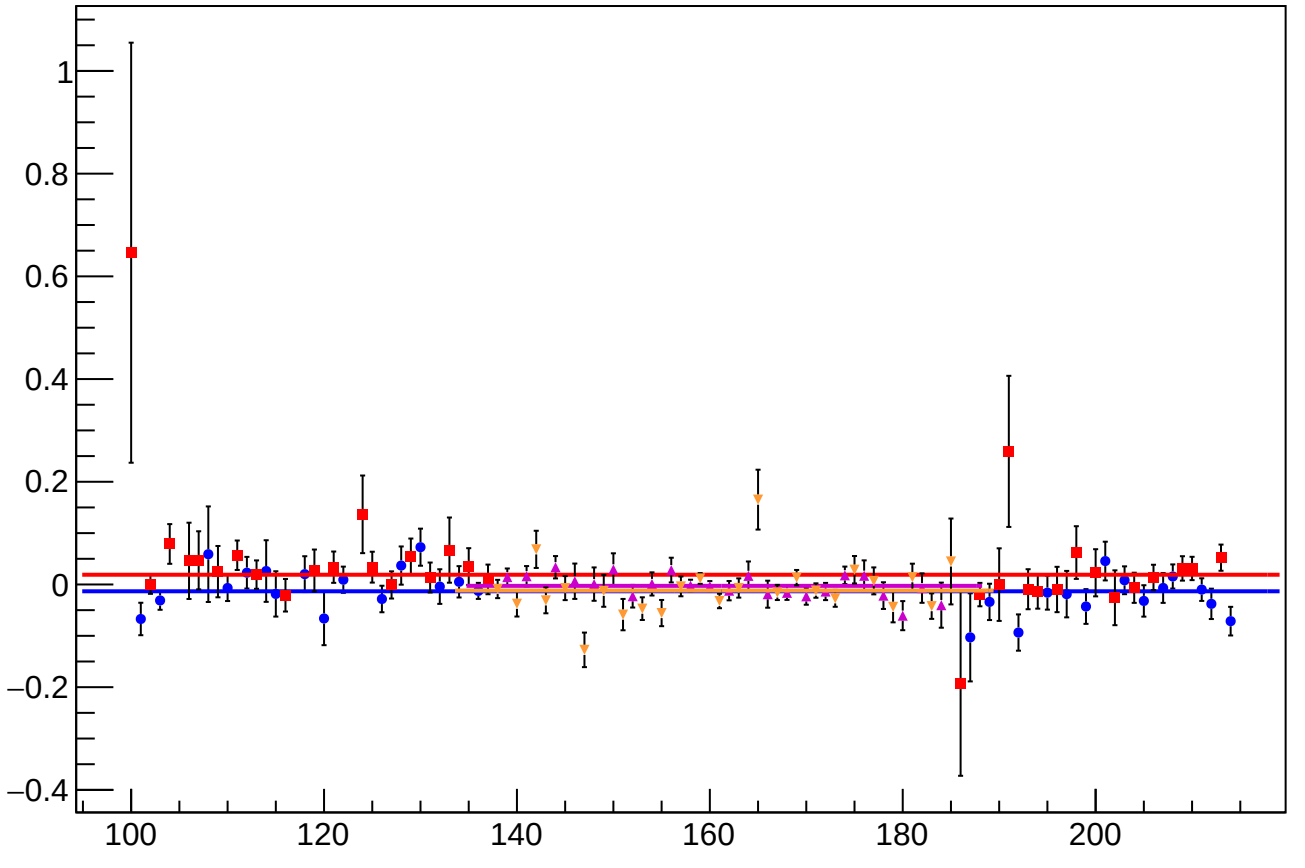
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.651+/-0.003 χ^2/NDF: 7090105.4/63

In: 17.704+/-0.002 χ^2/NDF:7801768.8/52

Out: 18.347+/-0.002 χ^2/NDF:9539078.6/58

All: 18.018+/-0.002 χ^2/NDF: 17379265.1/111



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

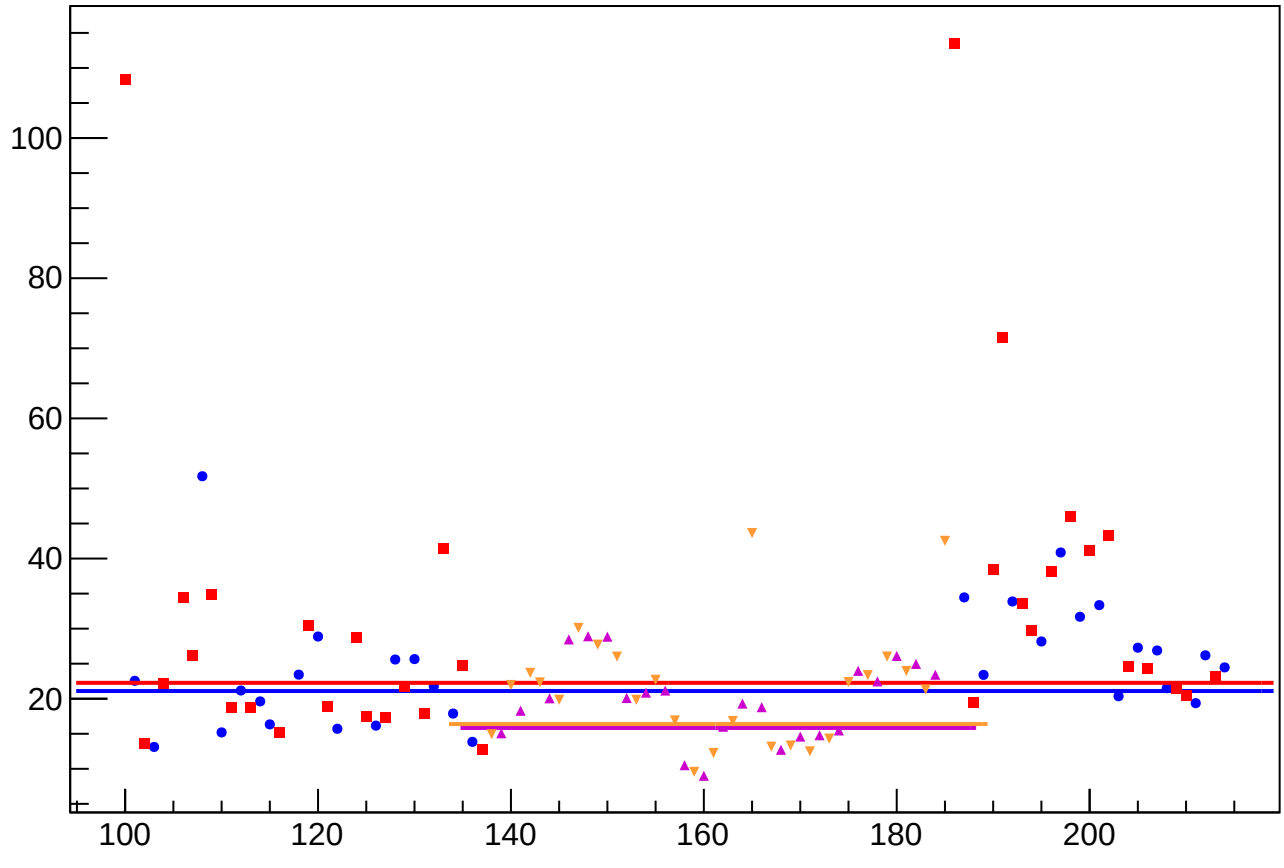
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.002+/-0.004 χ^2/NDF: 79.8/63

In: -0.006+/-0.003 χ^2/NDF:57.0/52

Out: -0.002+/-0.003 χ^2/NDF:100.9/58

All: -0.004+/-0.002 χ^2/NDF: 159.0/111



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

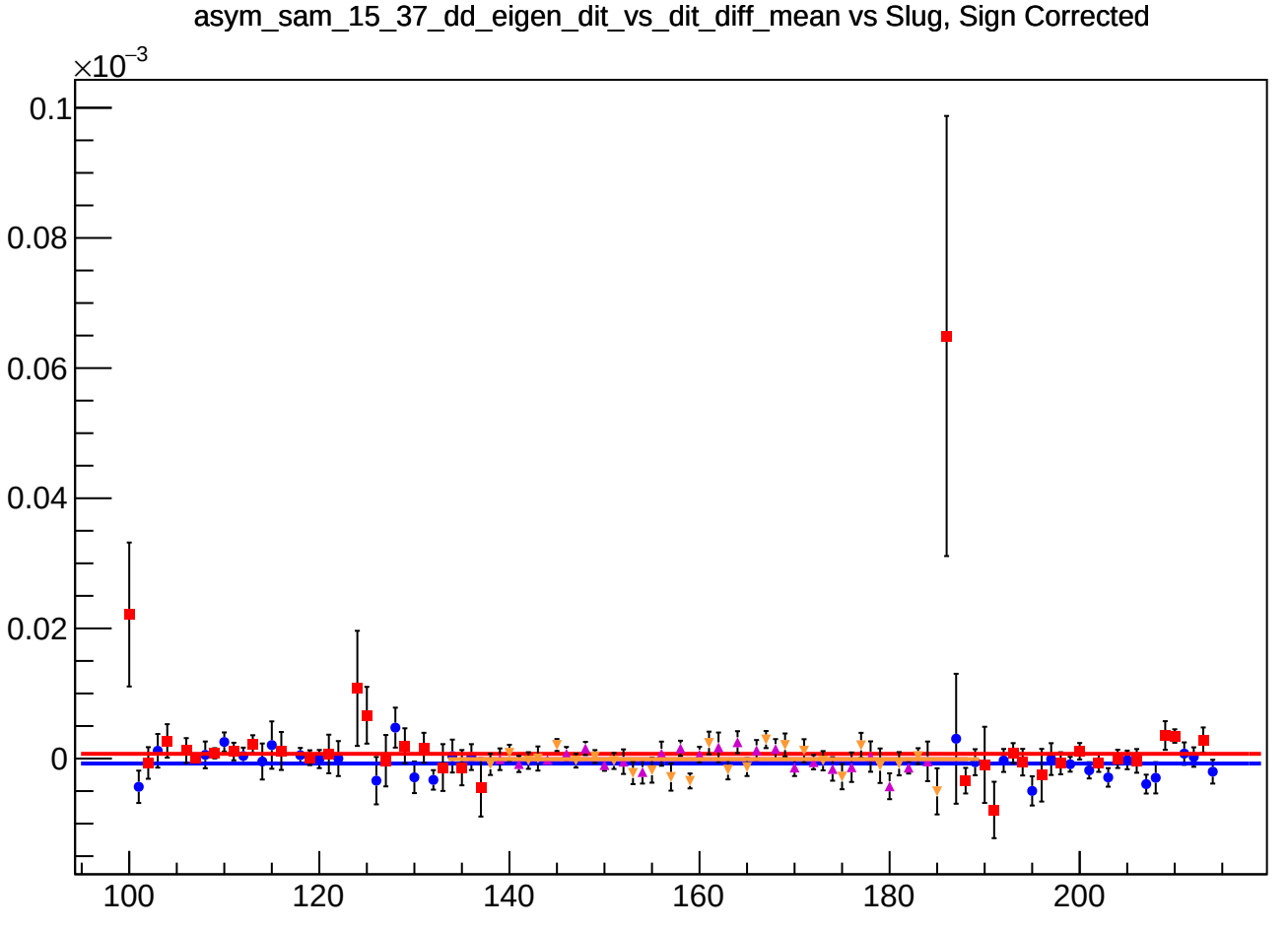
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.651+/-0.003 χ^2/NDF: 7090105.4/63

In: 17.704+/-0.002 χ^2/NDF:7801768.8/52

Out: 18.347+/-0.002 χ^2/NDF:9539078.6/58

All: 18.018+/-0.002 χ^2/NDF: 17379265.1/111



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

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

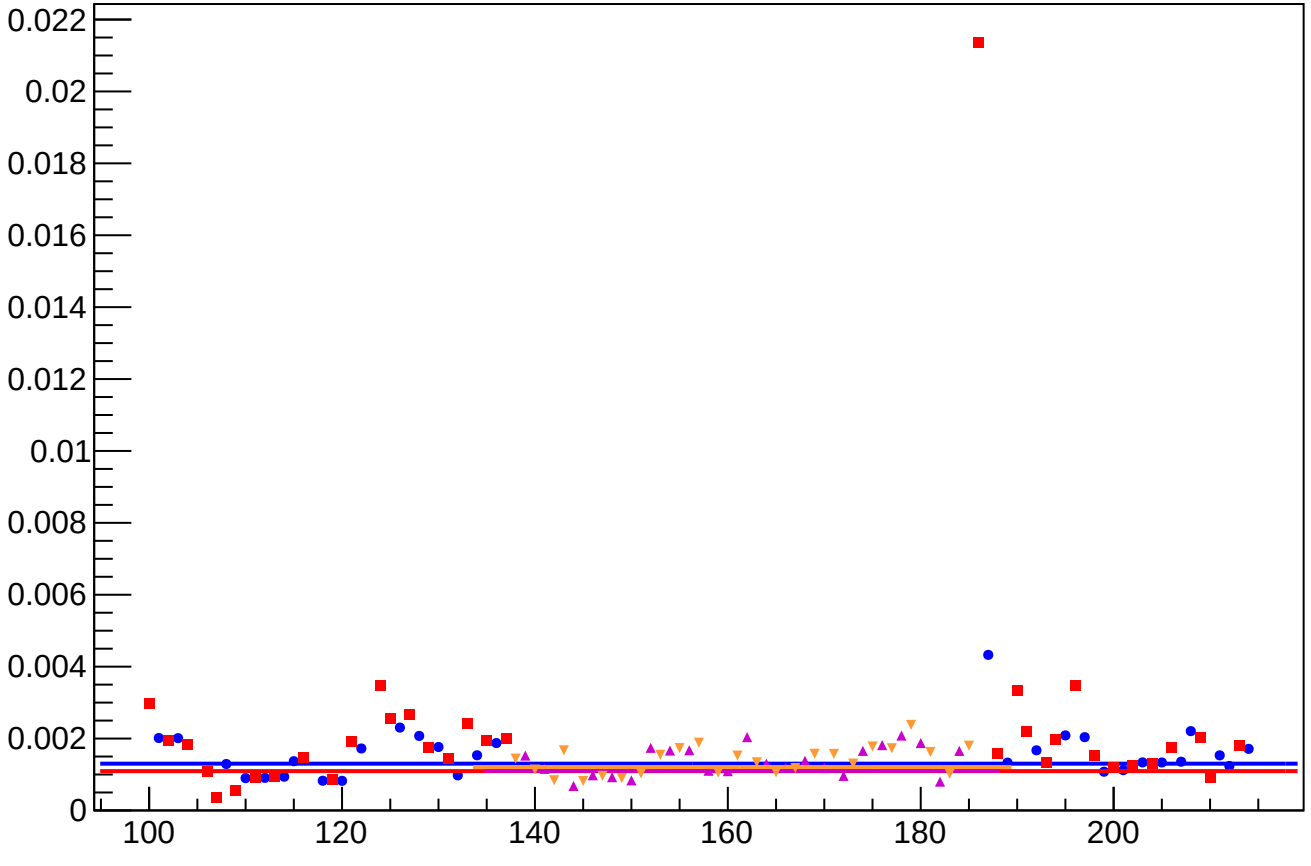
Right: 0.000+/-0.000 χ^2/NDF: 83.2/63

In: -0.000+/-0.000 χ^2/NDF:57.5/52

Out: 0.000+/-0.000 χ^2/NDF:78.4/58

All: -0.000+/-0.000 χ^2/NDF: 141.5/111

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

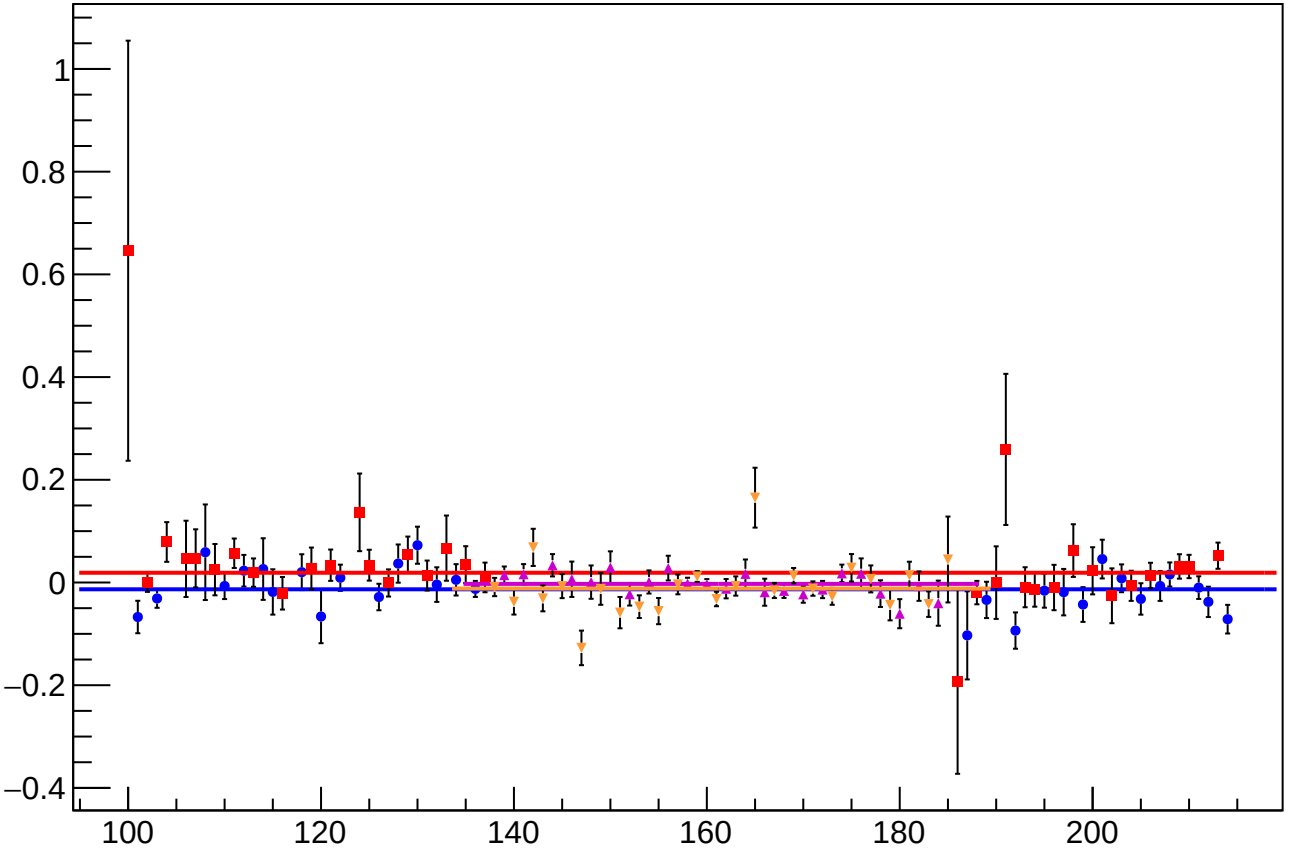
Right: 0.001+/-0.000 χ^2/NDF: 12312412.3/63

In: 0.001+/-0.000 χ^2/NDF:7135465.4/52

Out: 0.001+/-0.000 χ^2/NDF:11529190.4/58

All: 0.001+/-0.000 χ^2/NDF: 18692106.3/111

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

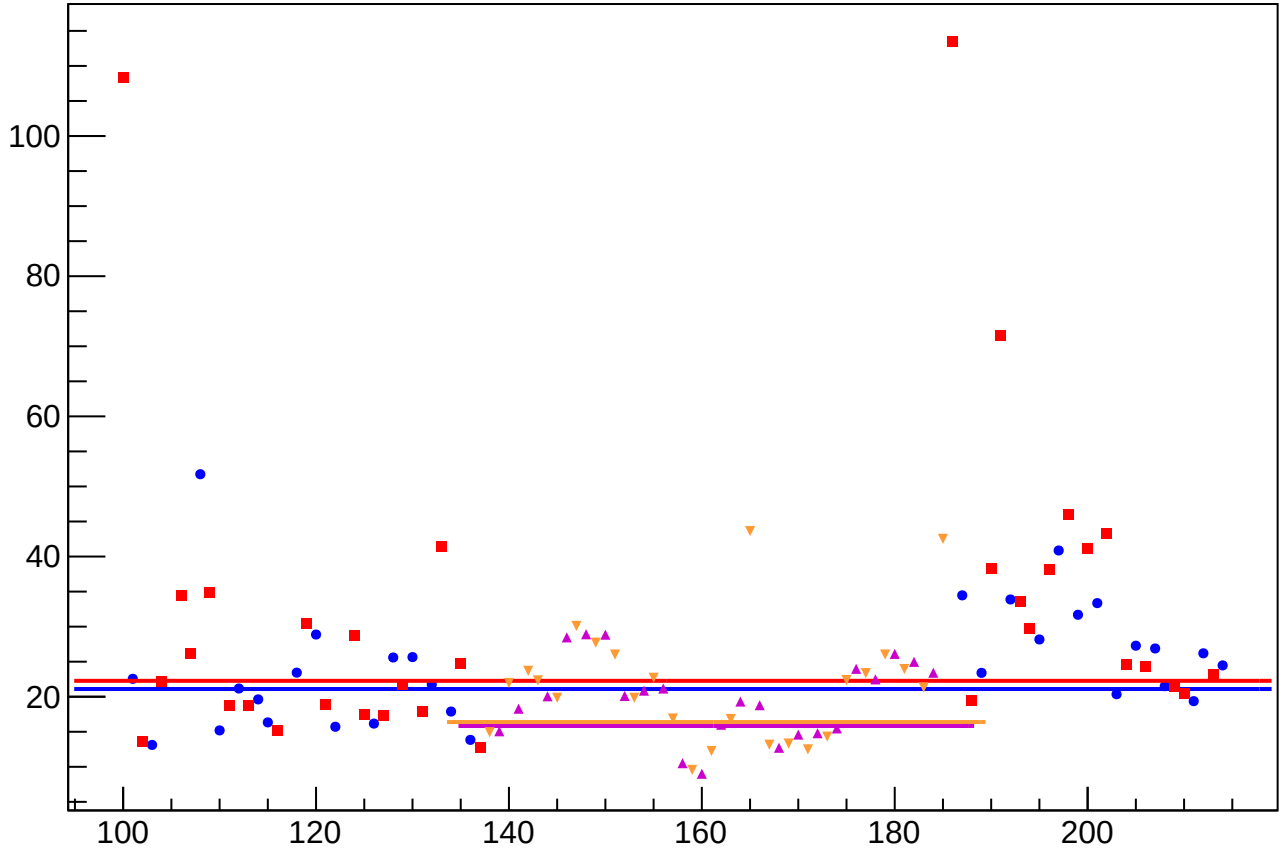
Right: 0.002+/-0.004 χ^2/NDF: 79.8/63

In: -0.006+/-0.003 χ^2/NDF:57.0/52

Out: -0.002+/-0.003 χ^2/NDF:100.9/58

All: -0.004+/-0.002 χ^2/NDF: 159.0/111

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

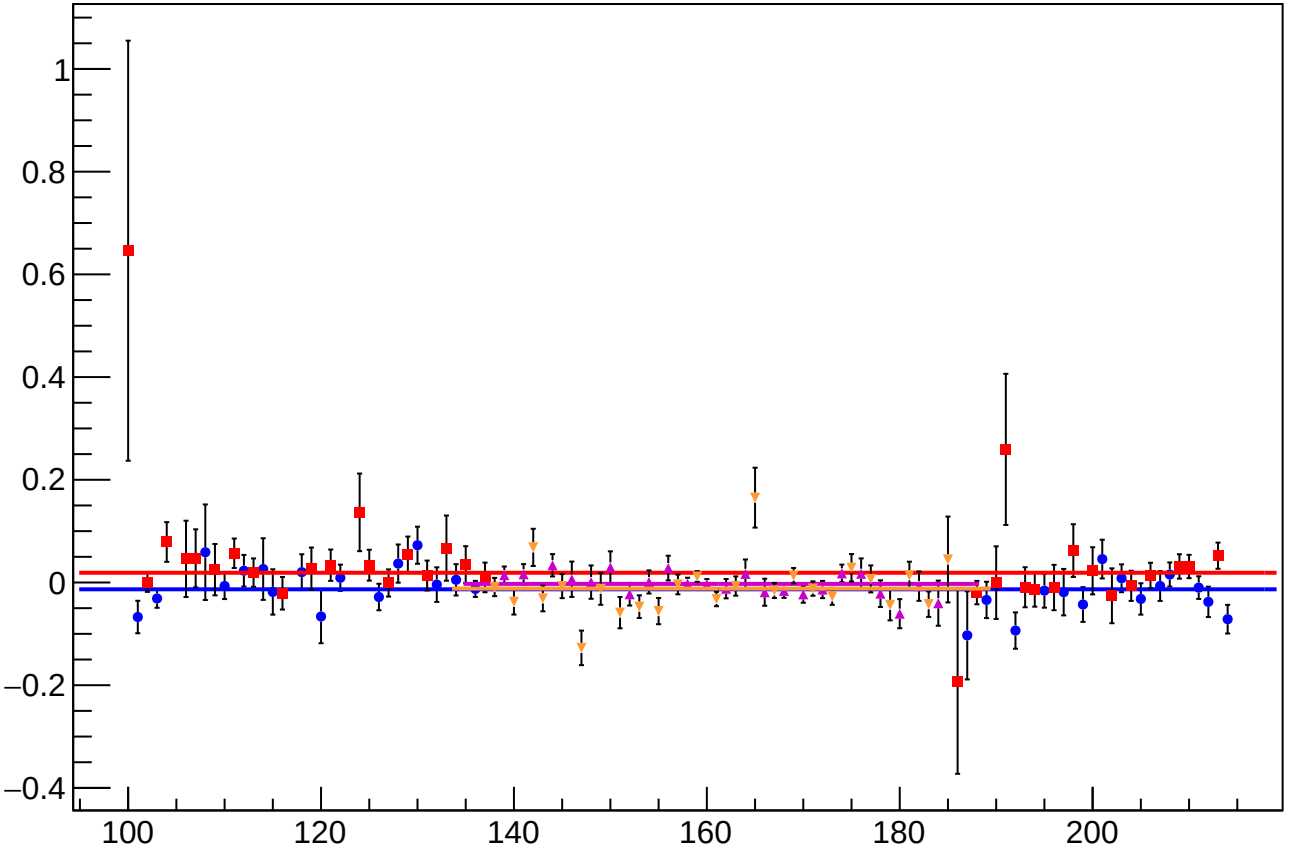
Right: 21.651+/-0.003 χ^2/NDF: 7089901.5/63

In: 17.704+/-0.002 χ^2/NDF:7802280.9/52

Out: 18.347+/-0.002 χ^2/NDF:9539329.5/58

All: 18.018+/-0.002 χ^2/NDF: 17380044.3/111

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

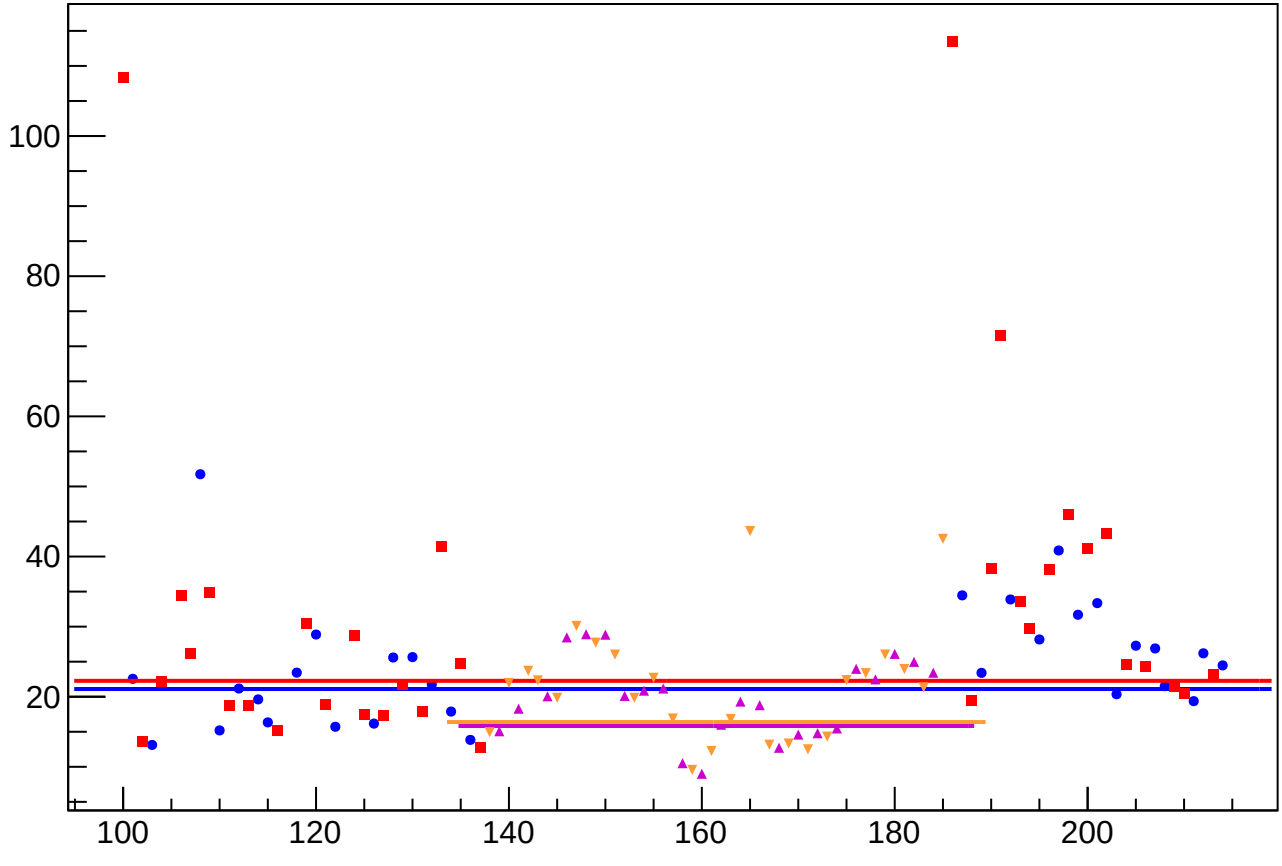
Right: 0.002+/-0.004 χ^2/NDF: 79.8/63

In: -0.006+/-0.003 χ^2/NDF:57.0/52

Out: -0.002+/-0.003 χ^2/NDF:100.9/58

All: -0.004+/-0.002 χ^2/NDF: 159.0/111

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

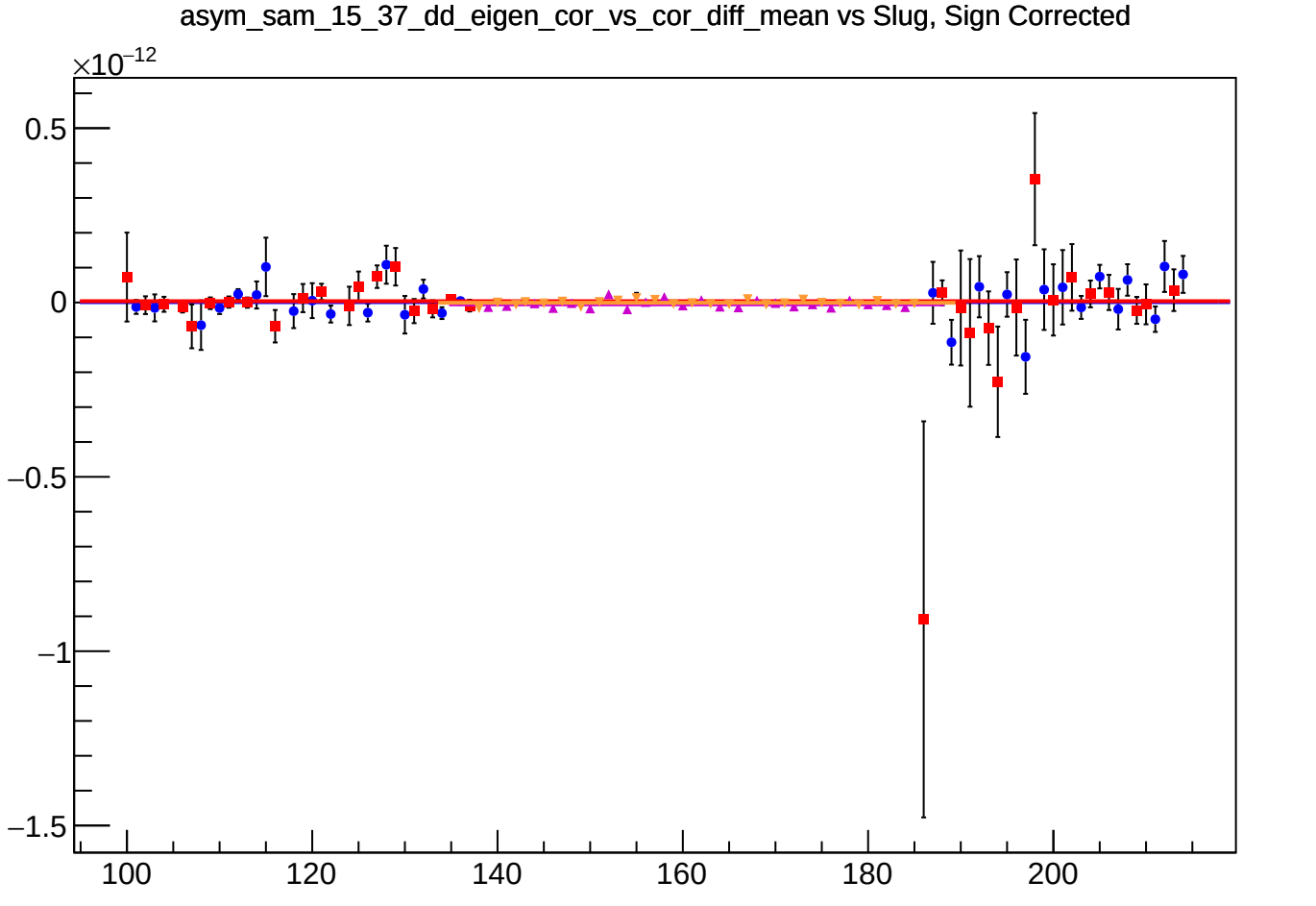
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.651+/-0.003 χ^2/NDF: 7089901.5/63

In: 17.704+/-0.002 χ^2/NDF:7802280.9/52

Out: 18.347+/-0.002 χ^2/NDF:9539329.5/58

All: 18.018+/-0.002 χ^2/NDF: 17380044.3/111



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

Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

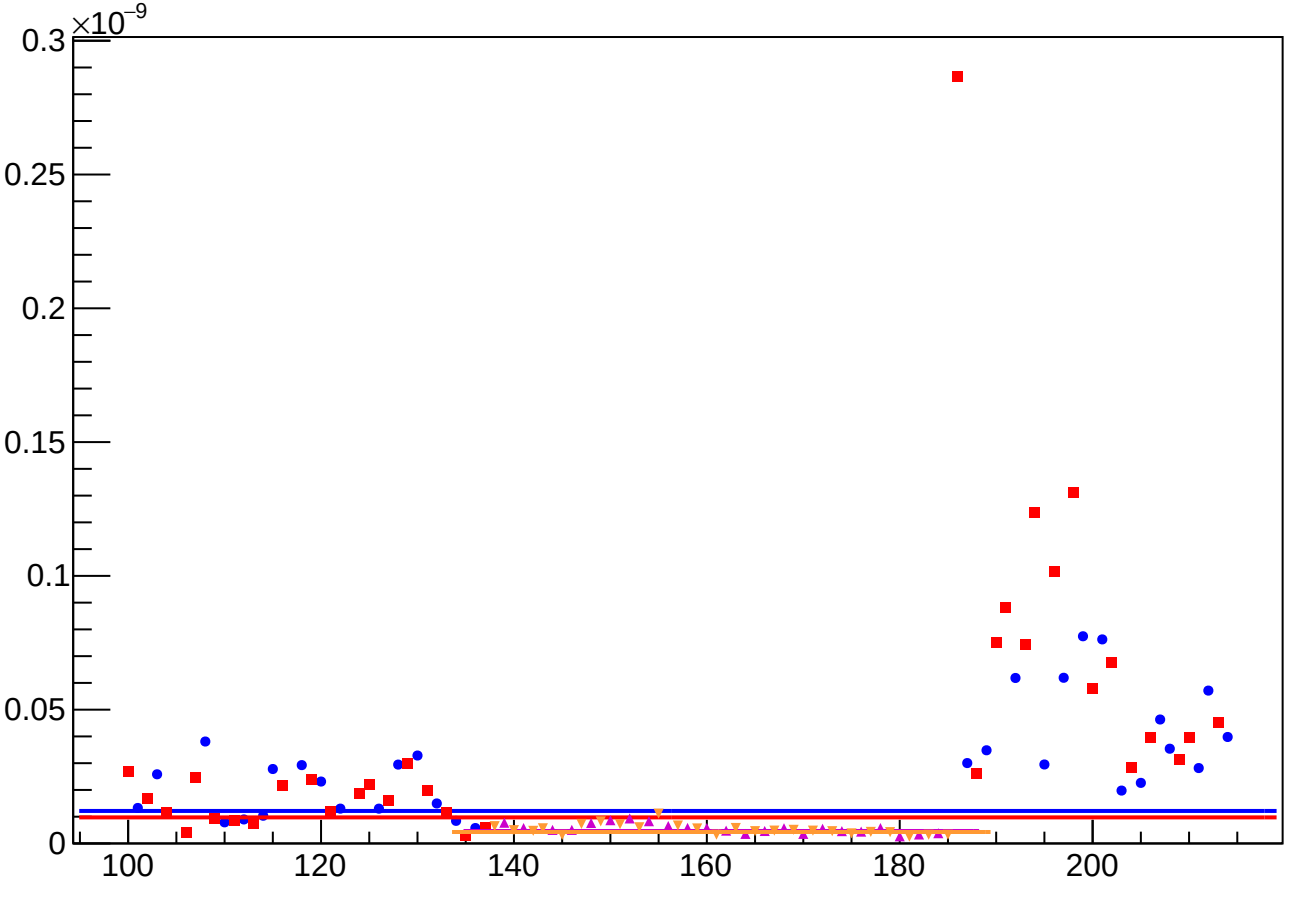
Right: 0.000+/-0.000 χ^2/NDF: 70.0/63

In: -0.000+/-0.000 χ^2/NDF:79.1/52

Out: -0.000+/-0.000 χ^2/NDF:50.5/58

All: -0.000+/-0.000 χ^2/NDF: 135.5/111

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

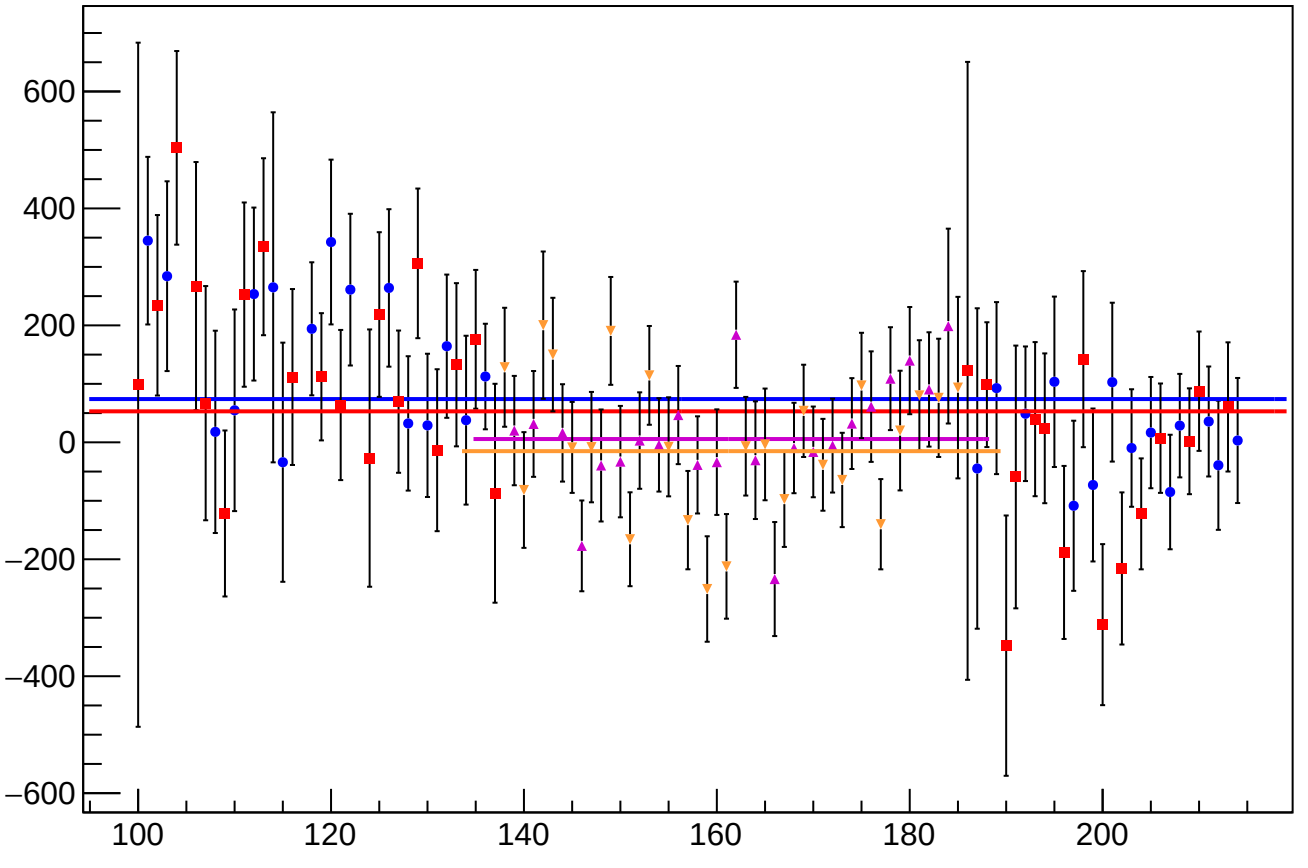
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 22305858.9/63

In: 0.000+/-0.000 χ^2/NDF:16336207.2/52

Out: 0.000+/-0.000 χ^2/NDF:18245045.5/58

All: 0.000+/-0.000 χ^2/NDF: 34748346.2/111



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

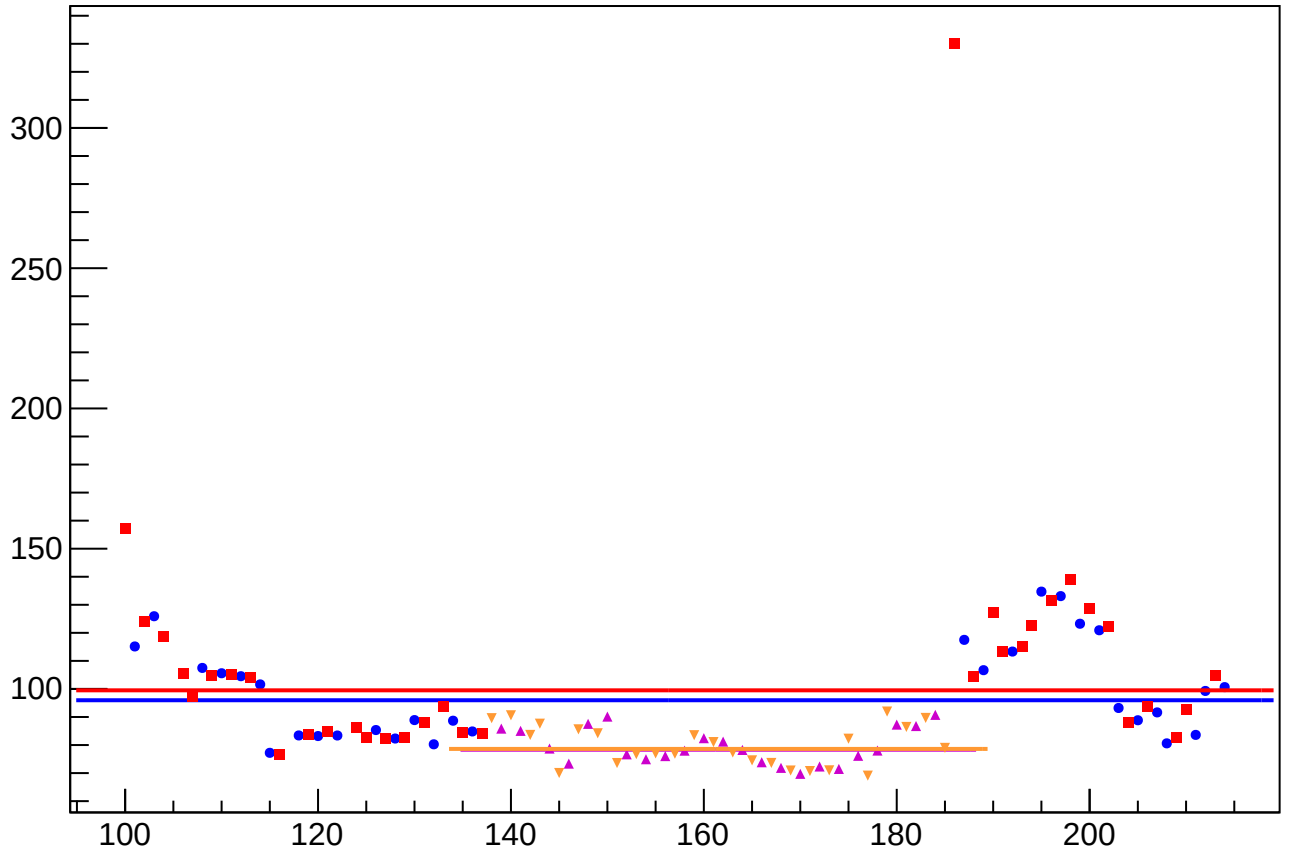
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 63.741+/-16.322 χ^2/NDF: 73.2/63

In: 32.546+/-14.312 χ^2/NDF:54.6/52

Out: 10.179+/-14.238 χ^2/NDF:93.6/58

All: 21.305+/-10.094 χ^2/NDF: 149.5/111



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

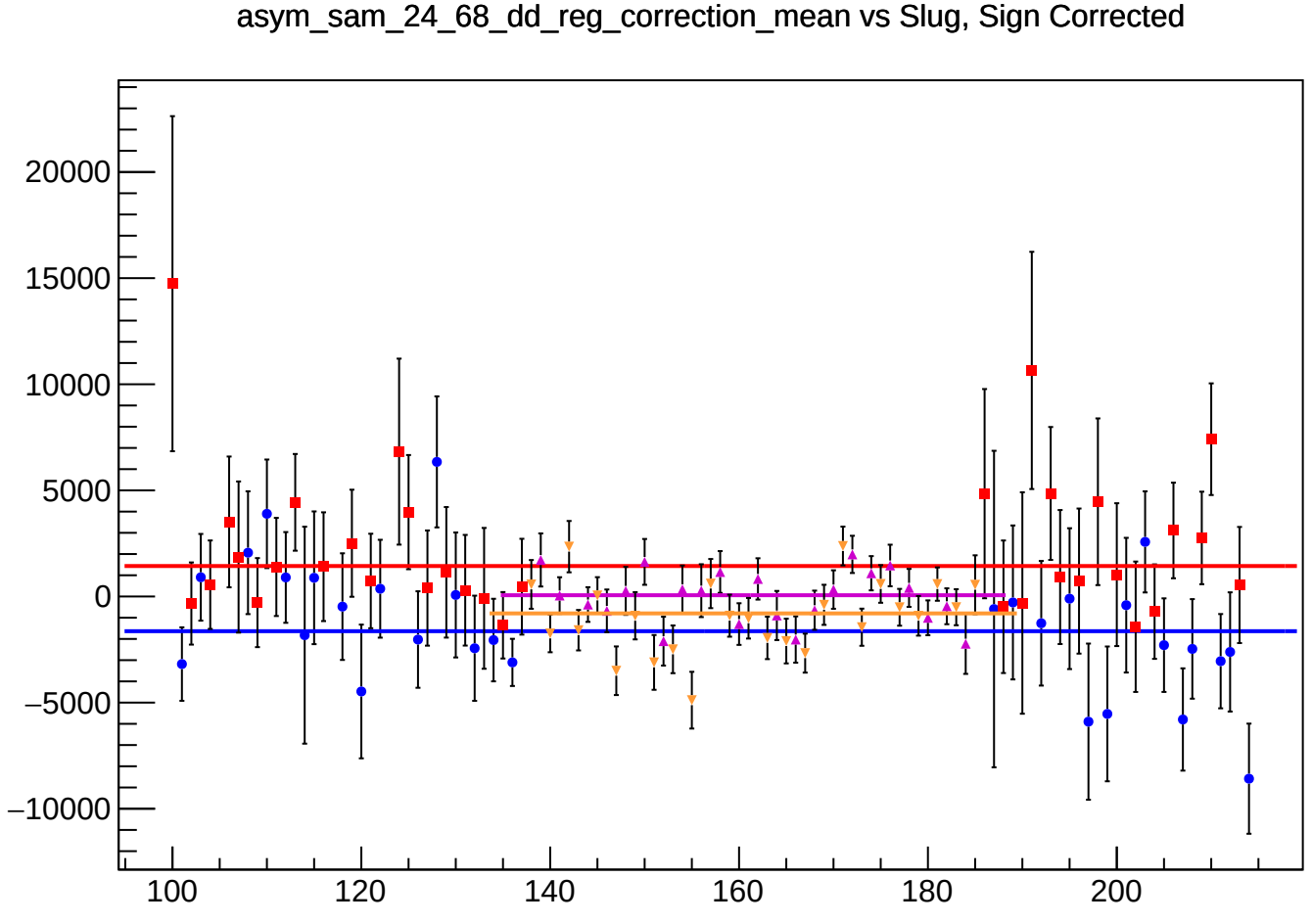
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

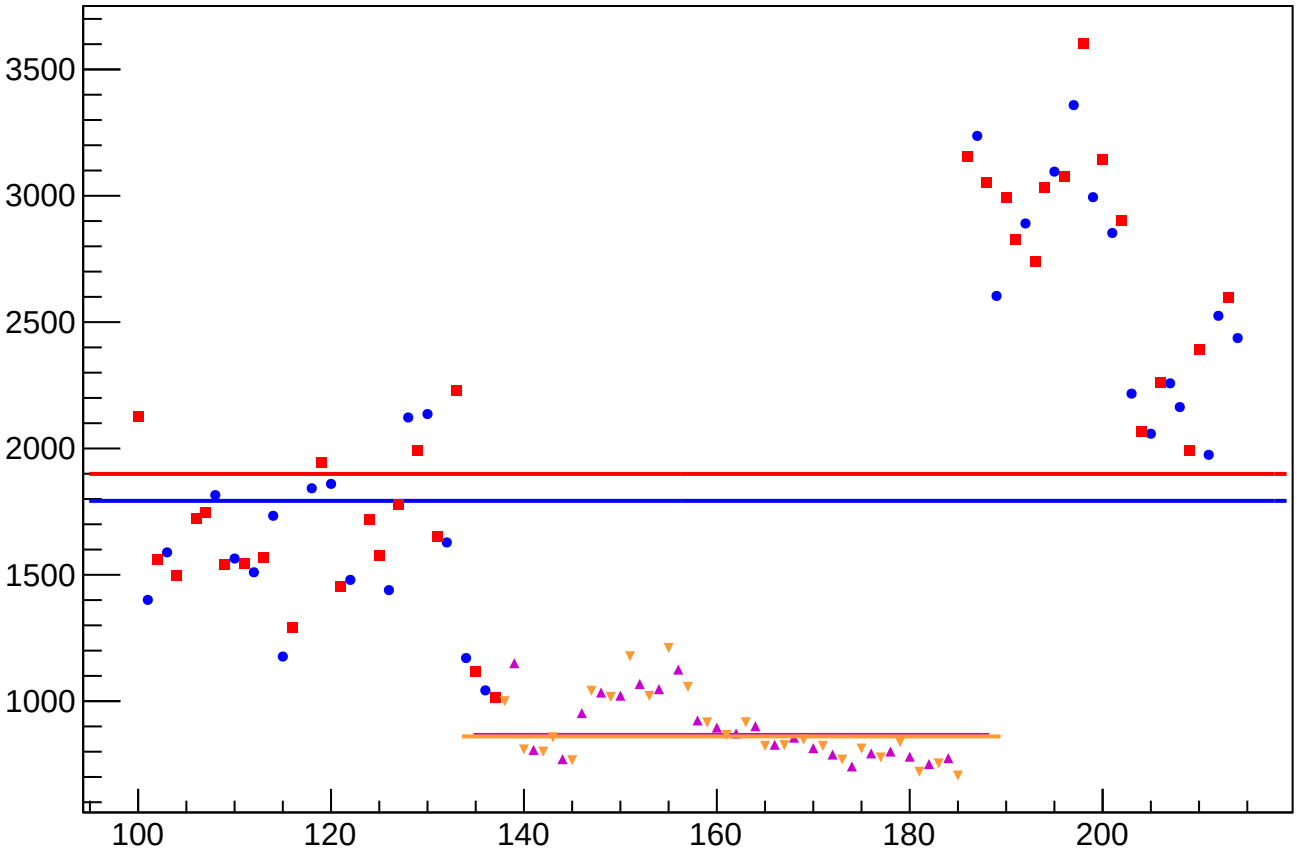
Right: 97.695+/-0.012 χ^2/NDF: 2365006.8/63

In: 85.279+/-0.010 χ^2/NDF:1864137.9/52

Out: 86.373+/-0.010 χ^2/NDF:2723447.4/58

All: 85.829+/-0.007 χ^2/NDF: 4593462.4/111


asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1634.722+/-443.226 χ²/NDF: 38.8/29
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1435.567+/-459.495 χ²/NDF: 26.9/33
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -154.893+/-319.005 χ²/NDF: 88.9/63
In: -237.717+/-185.641 χ²/NDF:81.4/52
Out: -447.719+/-181.747 χ²/NDF:106.3/58
All: -344.944+/-129.869 χ²/NDF: 188.3/111



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

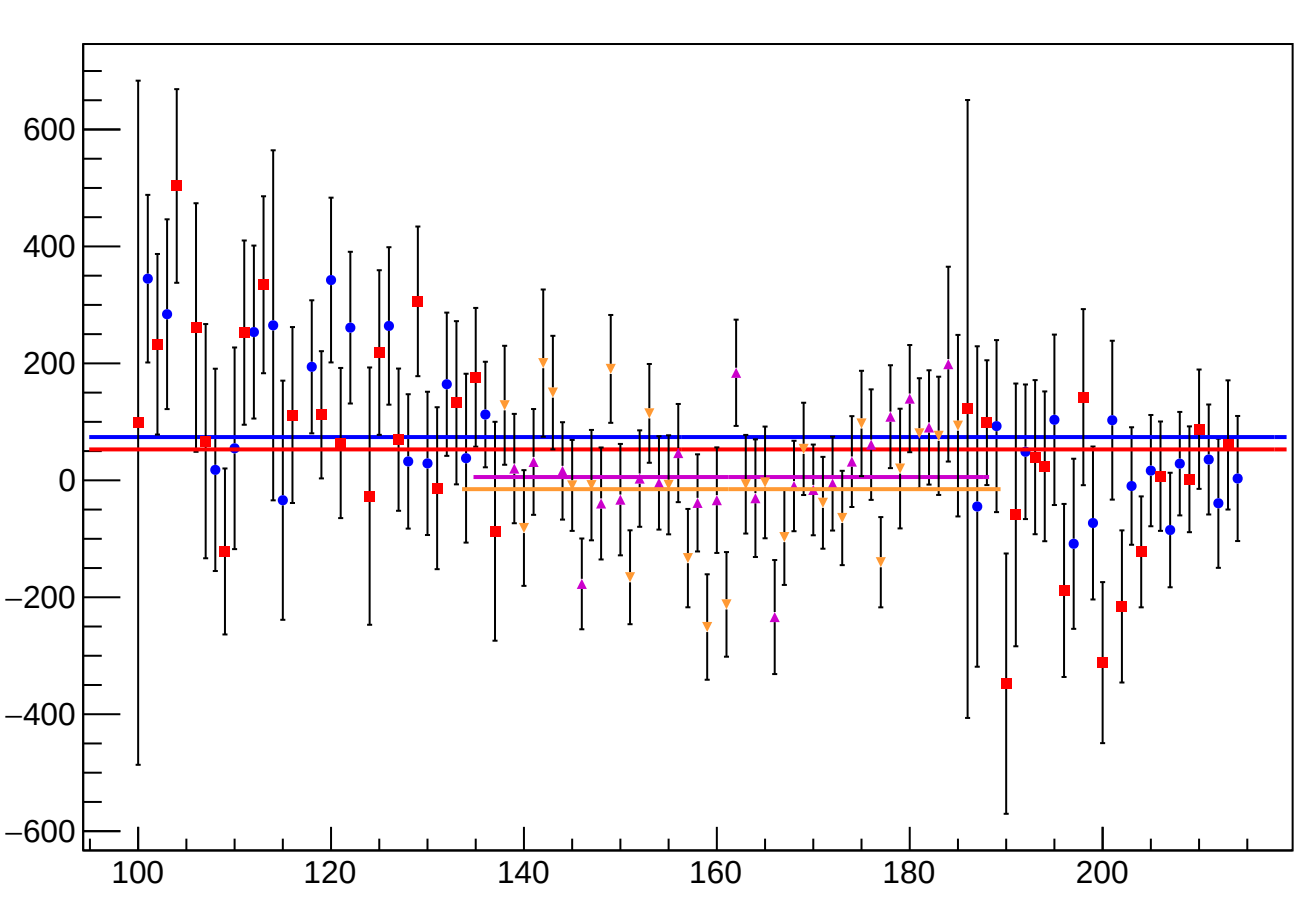
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1844.103+/-0.226 χ^2/NDF: 7380685.4/63

In: 1028.861+/-0.131 χ^2/NDF:11455005.8/52

Out: 1023.017+/-0.129 χ^2/NDF:13009755.9/58

All: 1025.877+/-0.092 χ^2/NDF: 24465773.9/1



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

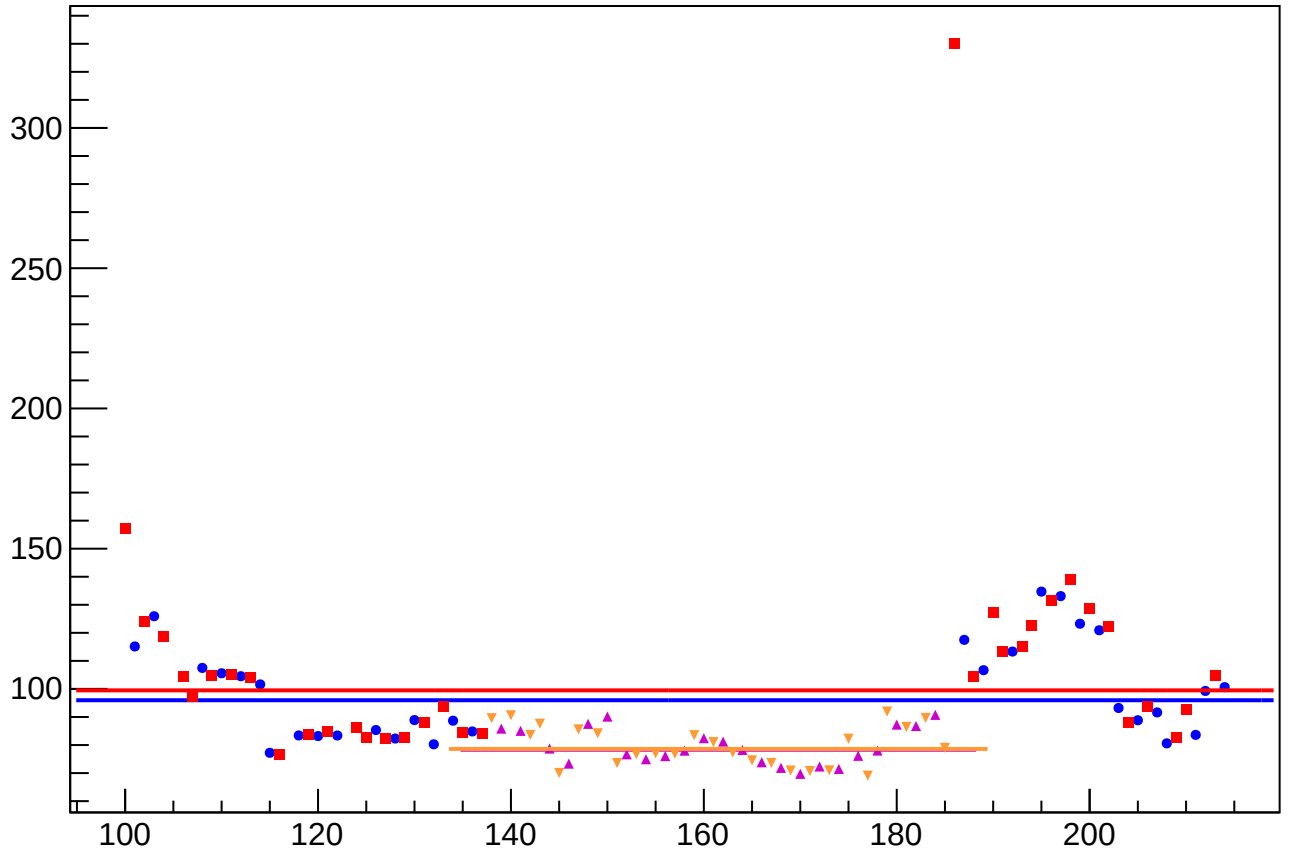
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 63.679+/-16.322 χ^2/NDF: 73.1/63

In: 32.542+/-14.312 χ^2/NDF:54.6/52

Out: 10.135+/-14.239 χ^2/NDF:93.5/58

All: 21.281+/-10.094 χ^2/NDF: 149.4/111



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

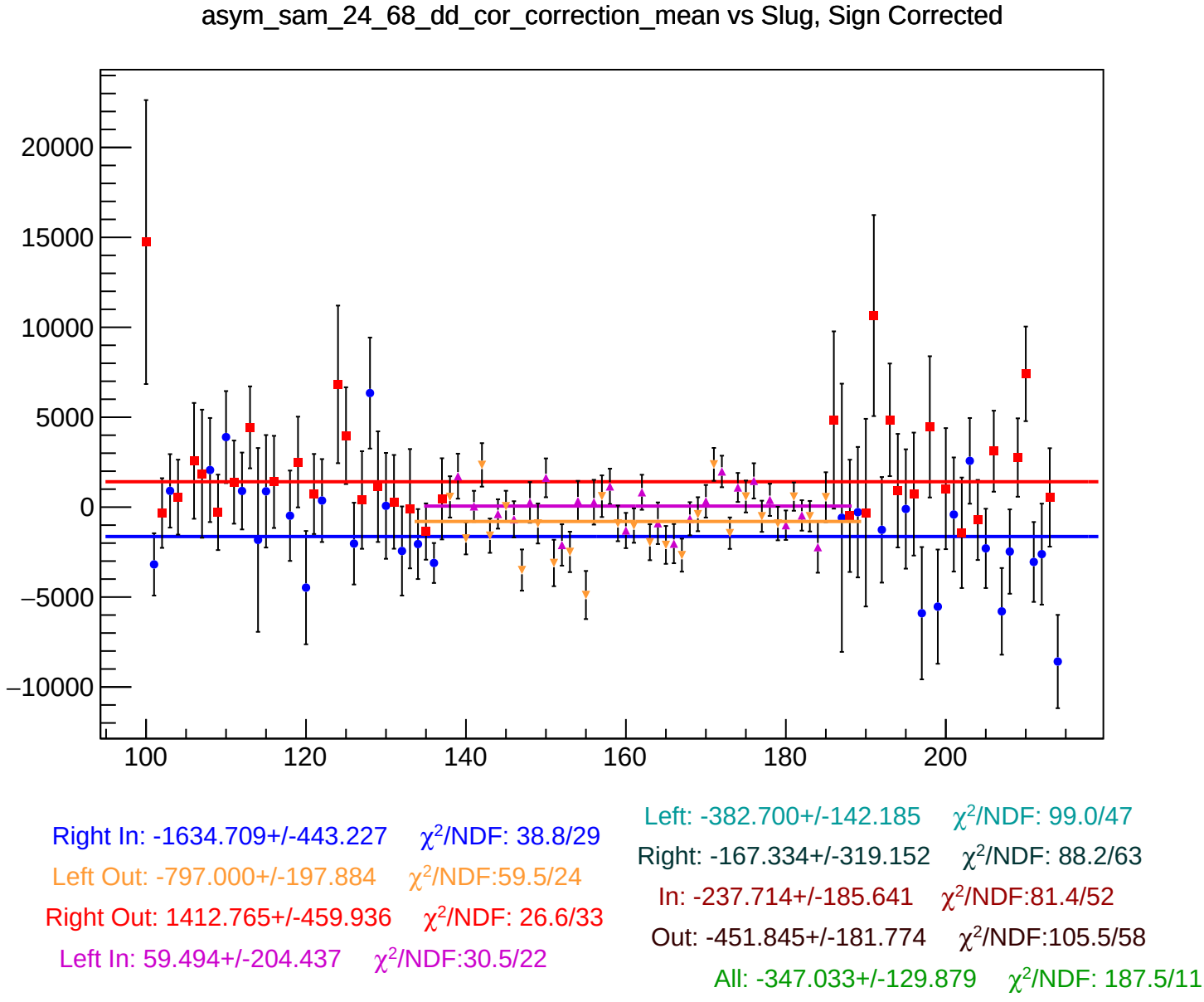
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.688+/-0.012 χ^2/NDF: 2364366.4/63

In: 85.279+/-0.010 χ^2/NDF:1864139.8/52

Out: 86.367+/-0.010 χ^2/NDF:2721525.5/58

All: 85.826+/-0.007 χ^2/NDF: 4591479.6/111


asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected
20000
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−5000
−10000
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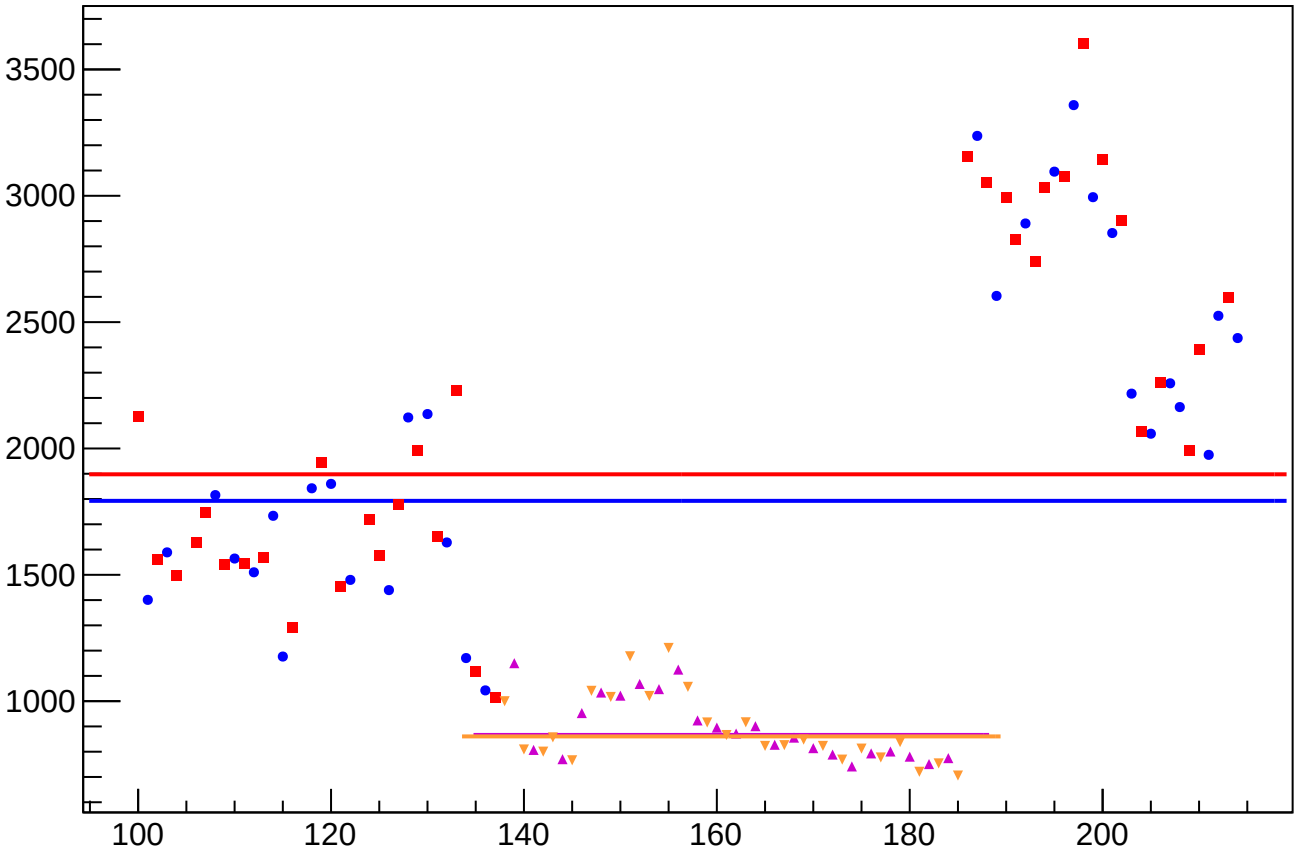
160
180
200
Right In: -1634.709+/-443.227 χ²/NDF: 38.8/29
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1412.765+/-459.936 χ²/NDF: 26.6/33
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -167.334+/-319.152 χ²/NDF: 88.2/63
In: -237.714+/-185.641 χ²/NDF:81.4/52
Out: -451.845+/-181.774 χ²/NDF:105.5/58
All: -347.033+/-129.879 χ²/NDF: 187.5/111



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

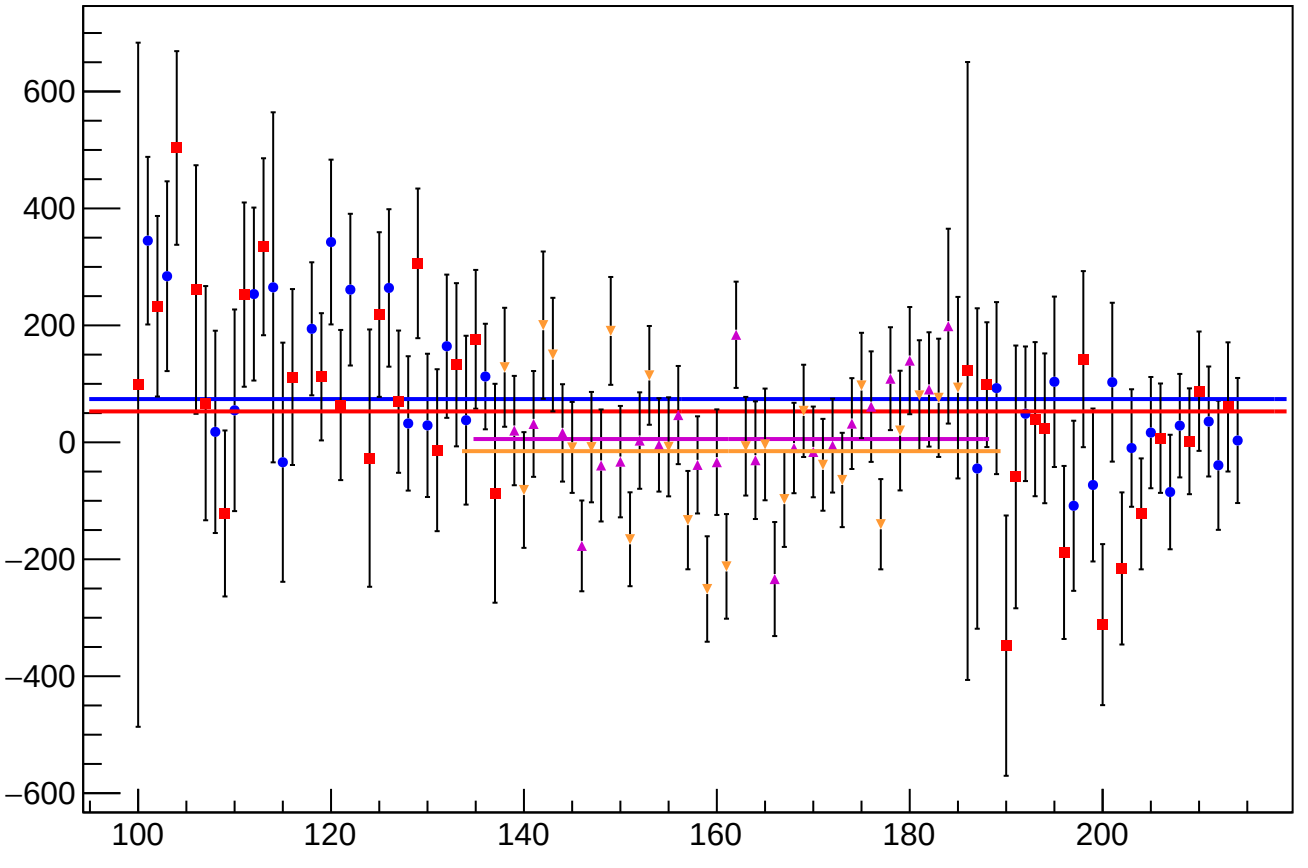
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1843.315+/-0.226 χ^2/NDF: 7386282.8/63

In: 1028.862+/-0.131 χ^2/NDF:11455019.5/52

Out: 1022.514+/-0.129 χ^2/NDF:12977643.3/58

All: 1025.621+/-0.092 χ^2/NDF: 24433856.5/1



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

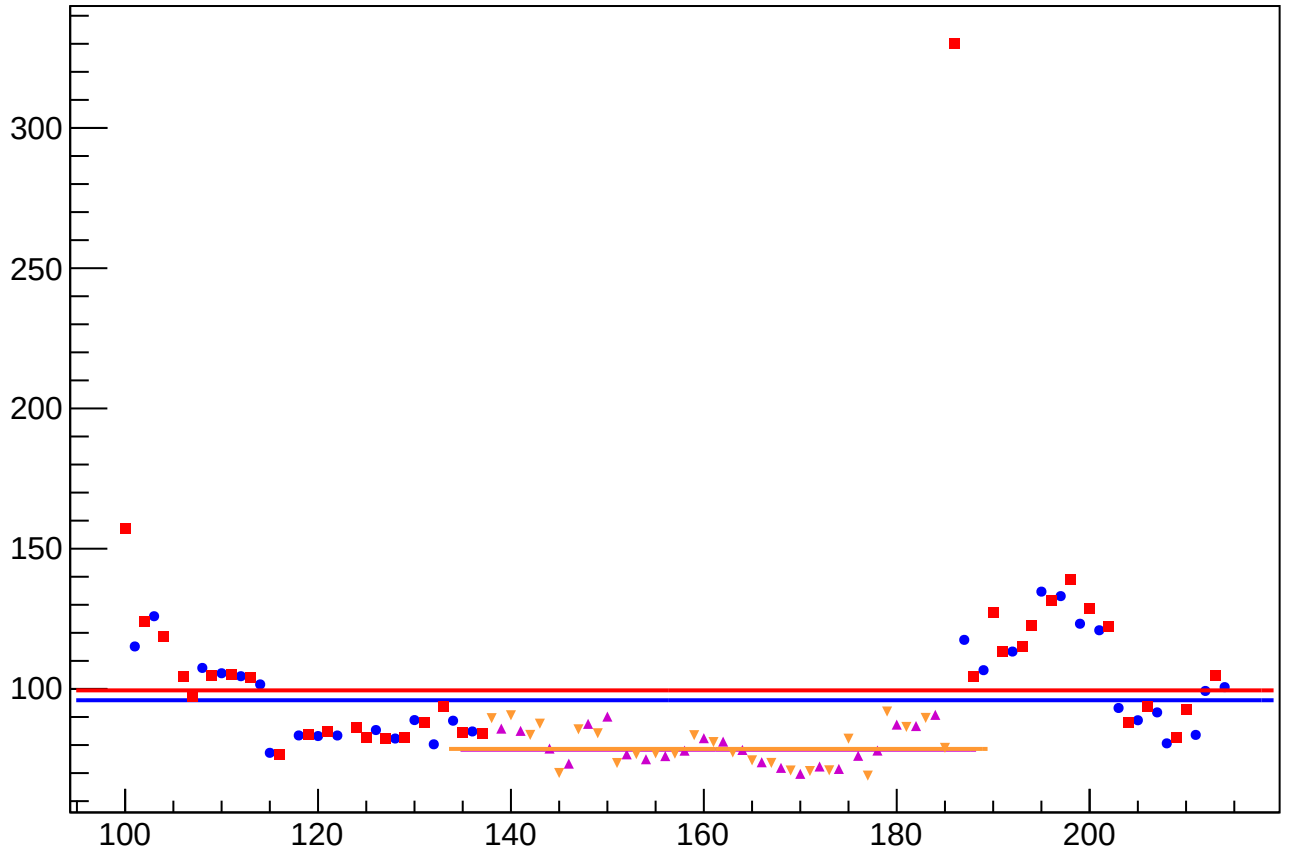
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 63.679+/-16.322 χ^2/NDF: 73.1/63

In: 32.542+/-14.312 χ^2/NDF:54.6/52

Out: 10.135+/-14.239 χ^2/NDF:93.5/58

All: 21.281+/-10.094 χ^2/NDF: 149.4/111



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

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

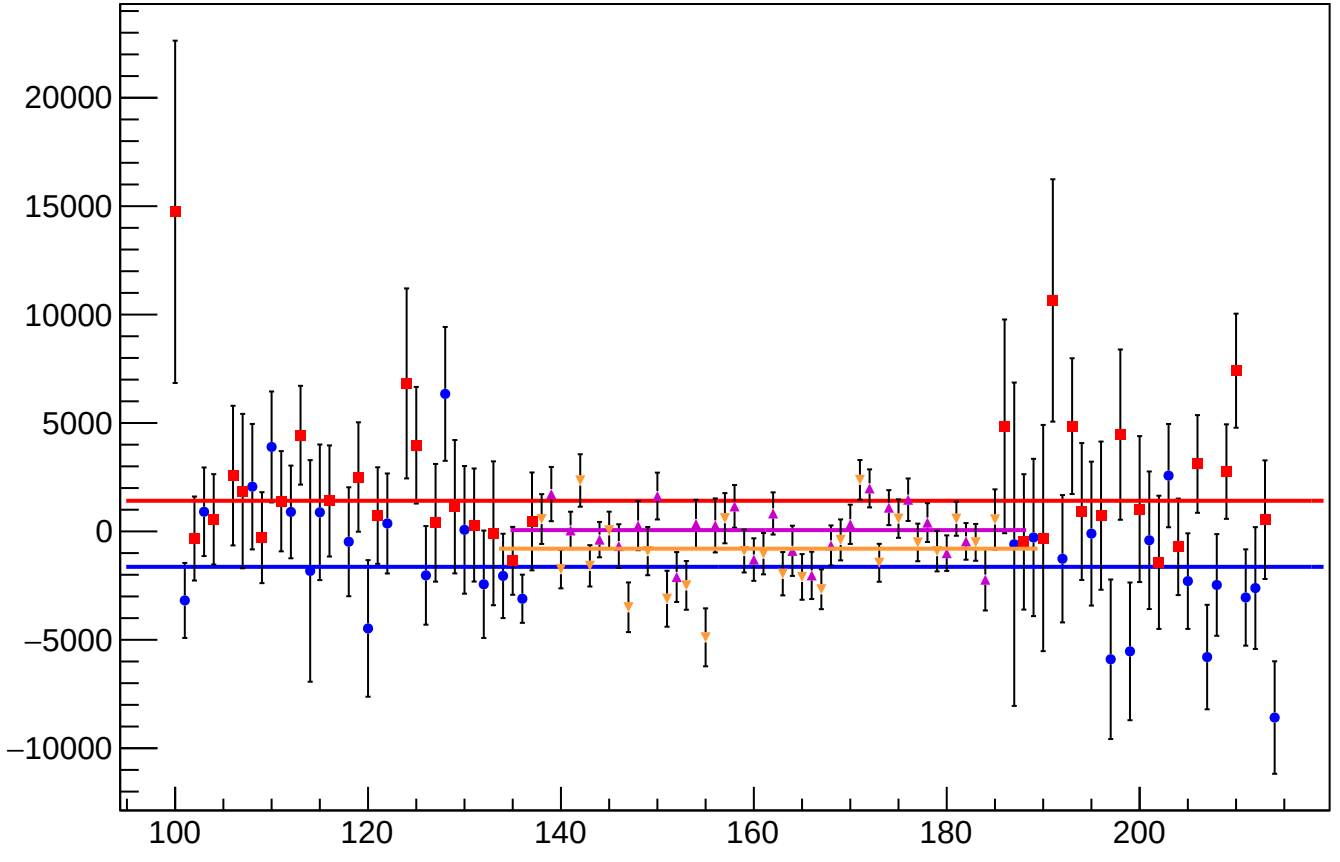
Right: 97.688+/-0.012 χ^2/NDF: 2364366.4/63

In: 85.279+/-0.010 χ^2/NDF:1864139.8/52

Out: 86.367+/-0.010 χ^2/NDF:2721525.5/58

All: 85.826+/-0.007 χ^2/NDF: 4591479.6/111

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

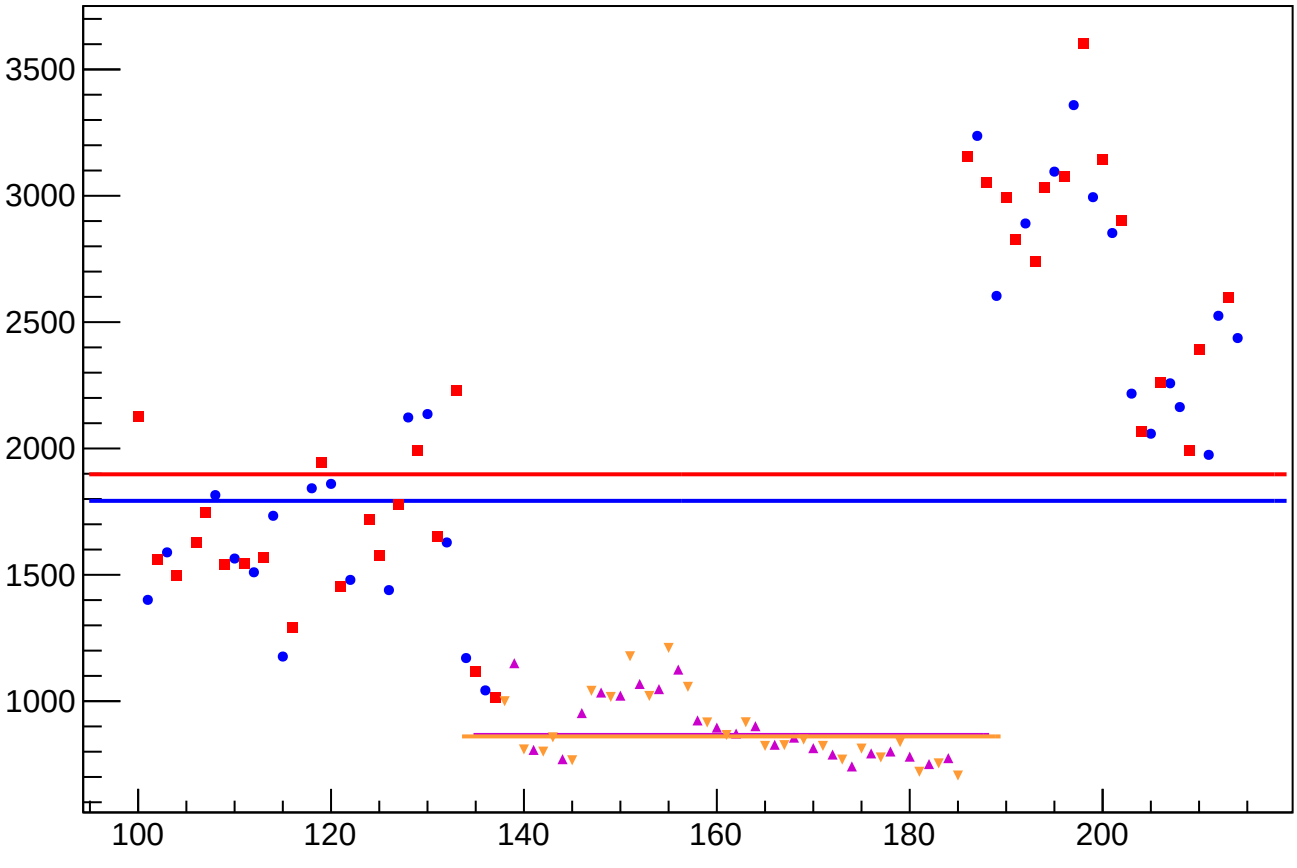
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -167.334+/-319.152 χ^2/NDF: 88.2/63

In: -237.714+/-185.641 χ^2/NDF:81.4/52

Out: -451.845+/-181.774 χ^2/NDF:105.5/58

All: -347.033+/-129.879 χ^2/NDF: 187.5/111



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

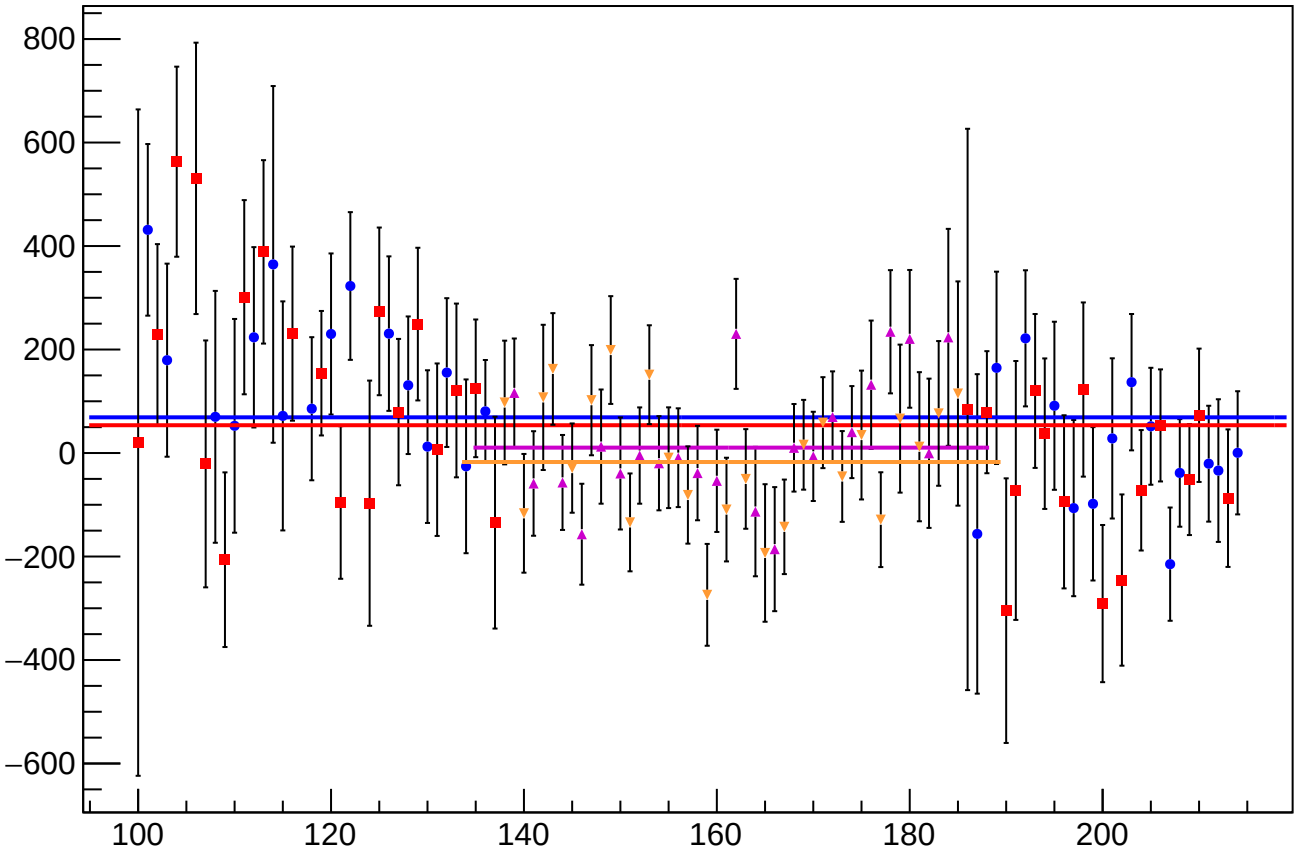
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1843.315+/-0.226 χ^2/NDF: 7386282.8/63

In: 1028.862+/-0.131 χ^2/NDF:11455019.5/52

Out: 1022.514+/-0.129 χ^2/NDF:12977643.3/58

All: 1025.621+/-0.092 χ^2/NDF: 24433856.5/



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

Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

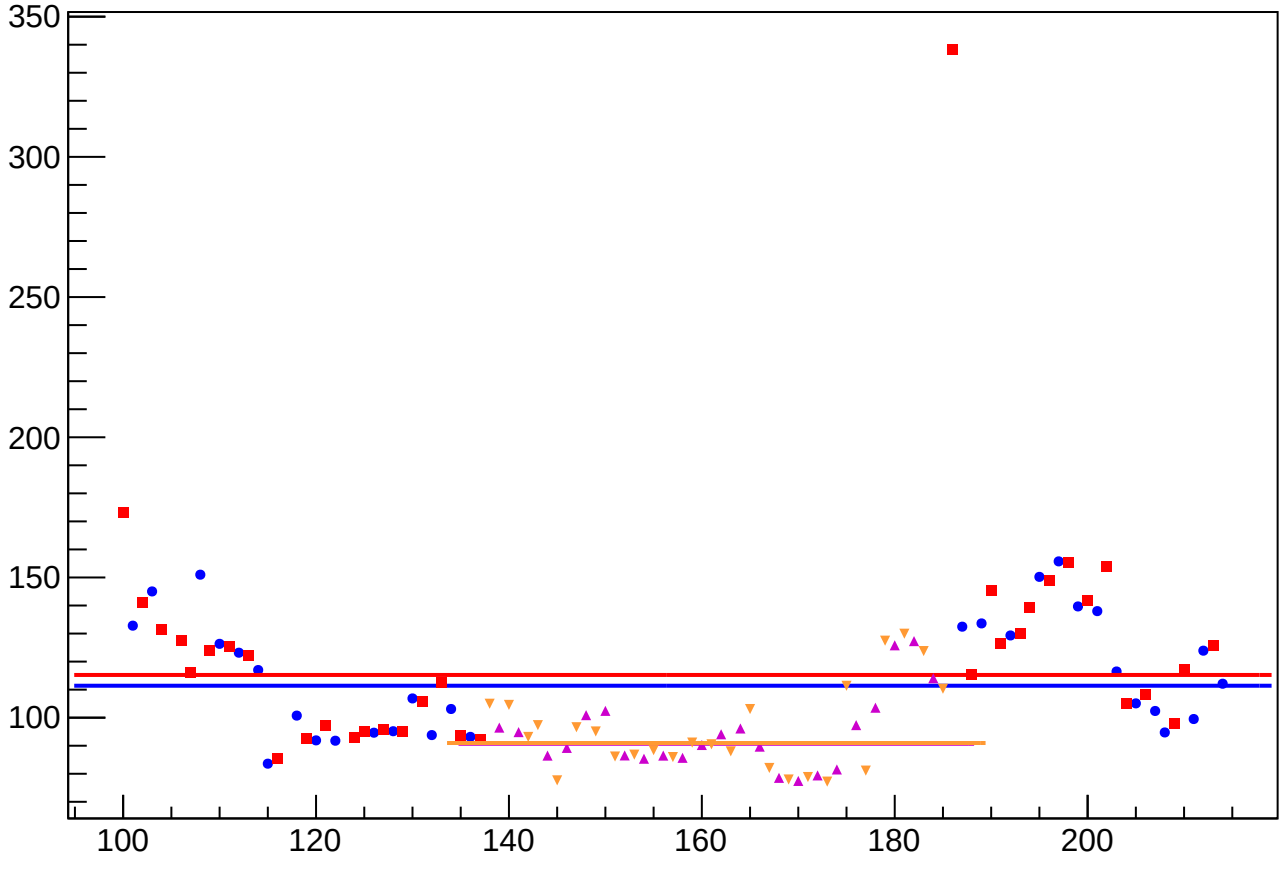
Right: 61.498+/-18.988 χ^2/NDF: 70.6/63

In: 33.571+/-16.720 χ^2/NDF:52.9/52

Out: 9.256+/-16.599 χ^2/NDF:78.6/58

All: 21.325+/-11.780 χ^2/NDF: 132.6/111

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

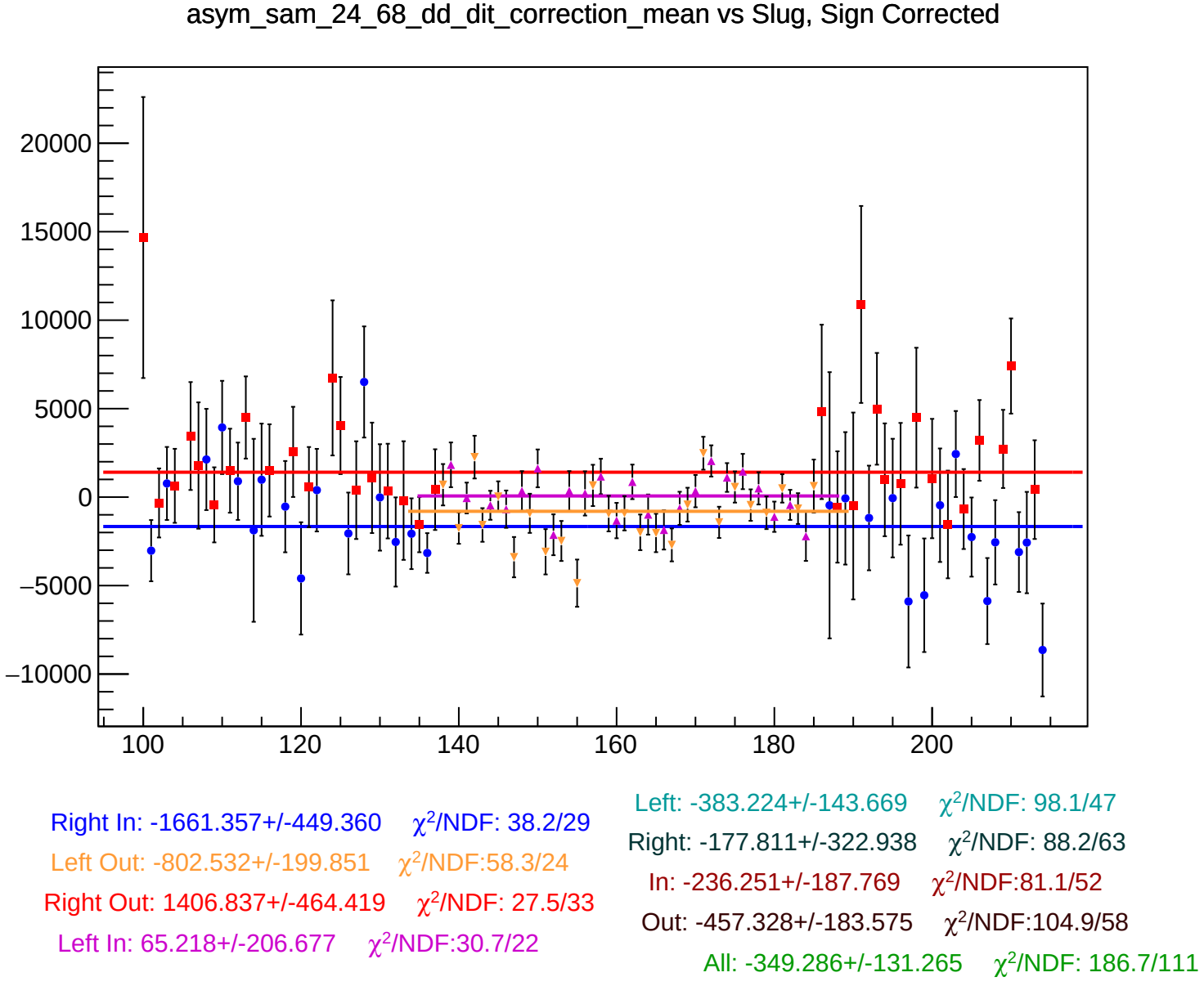
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 113.277+/-0.013 χ^2/NDF: 2396985.8/63

In: 98.878+/-0.012 χ^2/NDF:2292551.0/52

Out: 100.054+/-0.012 χ^2/NDF:3149174.6/58

All: 99.470+/-0.008 χ^2/NDF: 5446715.9/111


asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
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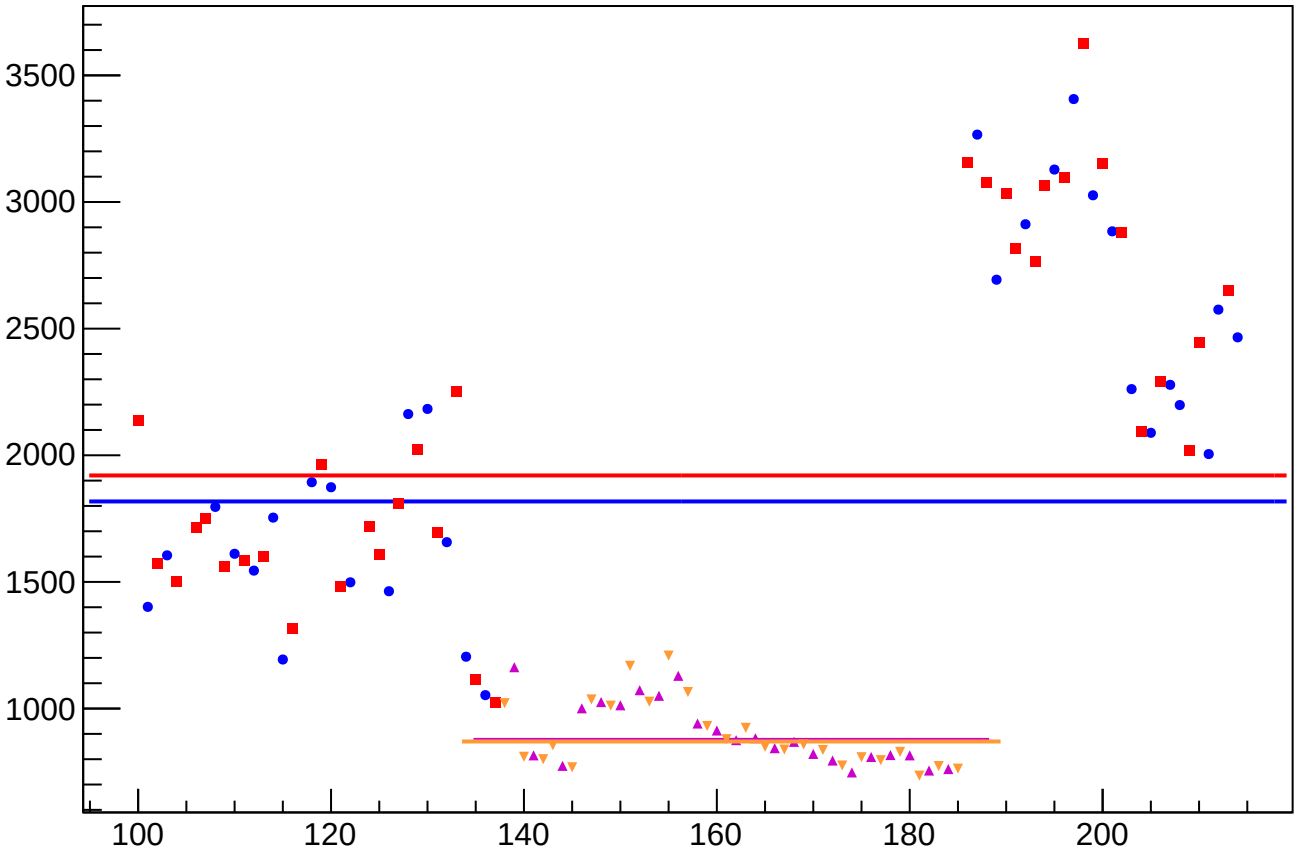
−5000
−10000
100
120
140
160
180
200
Right In: -1661.357+/-449.360 χ²/NDF: 38.2/29
Left Out: -802.532+/-199.851 χ²/NDF:58.3/24
Right Out: 1406.837+/-464.419 χ²/NDF: 27.5/33
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -177.811+/-322.938 χ²/NDF: 88.2/63
In: -236.251+/-187.769 χ²/NDF:81.1/52
Out: -457.328+/-183.575 χ²/NDF:104.9/58
All: -349.286+/-131.265 χ²/NDF: 186.7/111



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

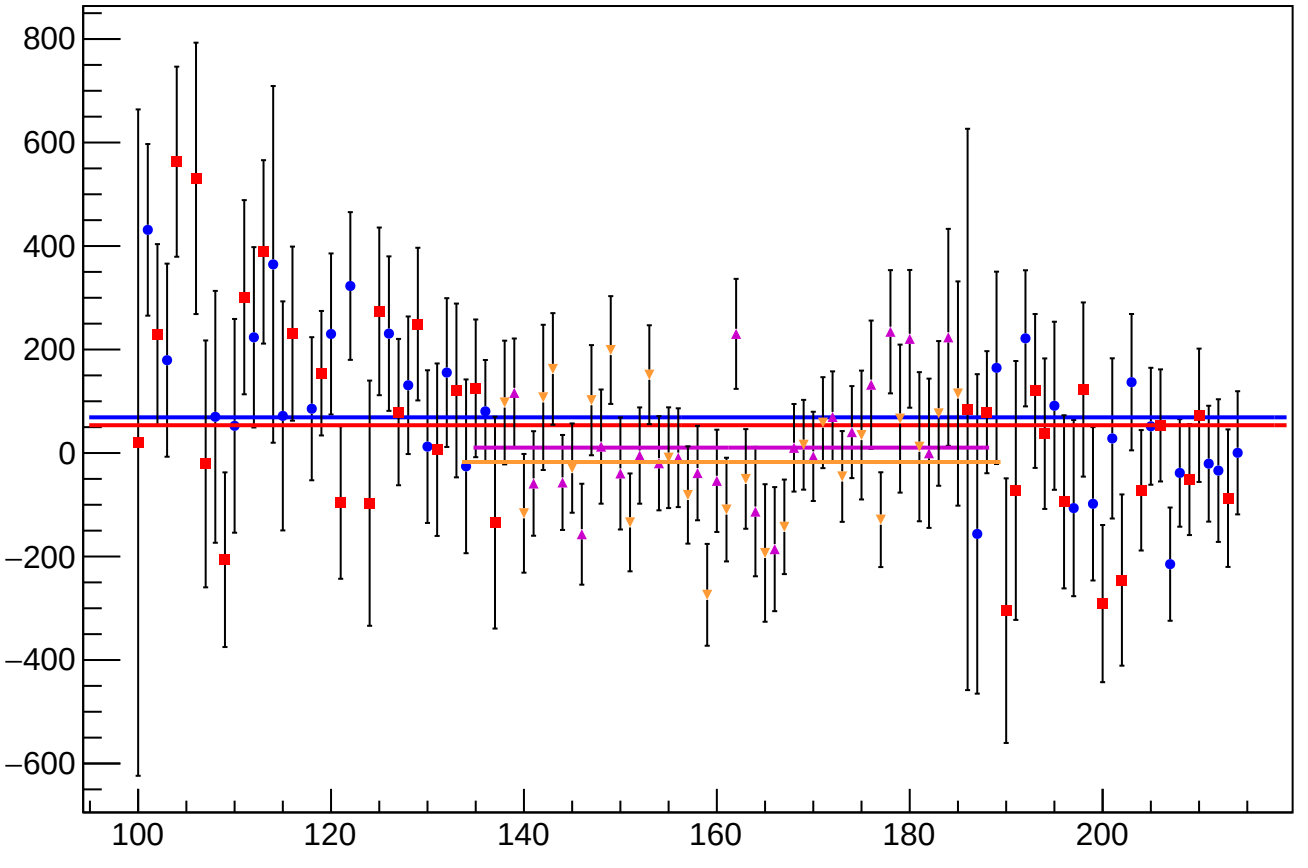
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1867.354+/-0.228 χ^2/NDF: 7375628.1/63

In: 1040.658+/-0.133 χ^2/NDF:11493063.3/52

Out: 1034.120+/-0.130 χ^2/NDF:12954351.6/58

All: 1037.315+/-0.093 χ^2/NDF: 24448654.4/1


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
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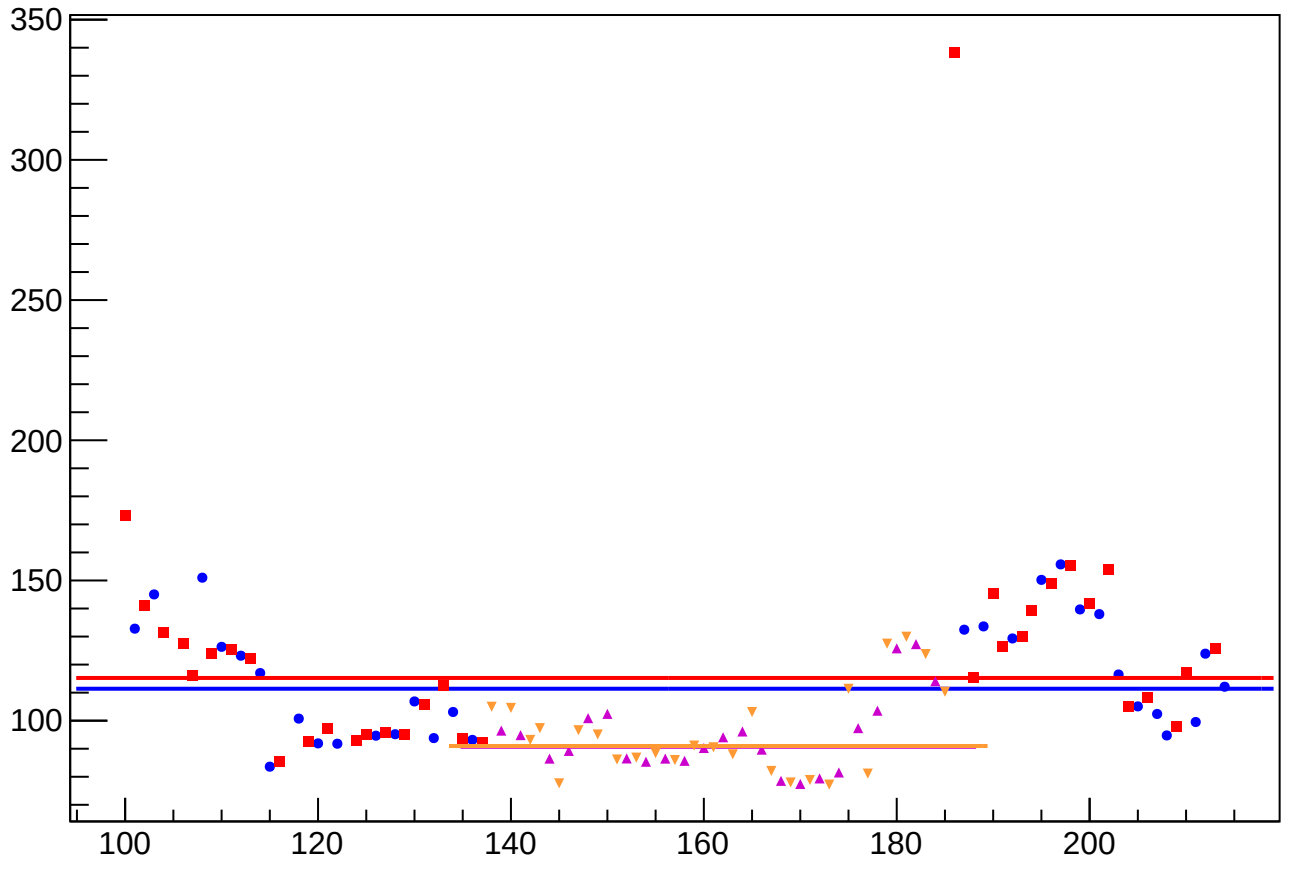
−200
−400
−600
100
120
140
160
180
200
Right In: 68.980+/-26.588 χ²/NDF: 27.3/29
Left Out: -17.356+/-20.987 χ²/NDF:31.2/24
Right Out: 53.713+/-27.125 χ²/NDF: 43.1/33
Left In: 10.412+/-21.503 χ²/NDF:22.6/22
Left: -3.810+/-15.019 χ²/NDF: 54.7/47
Right: 61.499+/-18.987 χ²/NDF: 70.6/63
In: 33.572+/-16.719 χ²/NDF:52.9/52
Out: 9.256+/-16.599 χ²/NDF:78.6/58
All: 21.326+/-11.780 χ²/NDF: 132.6/111



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

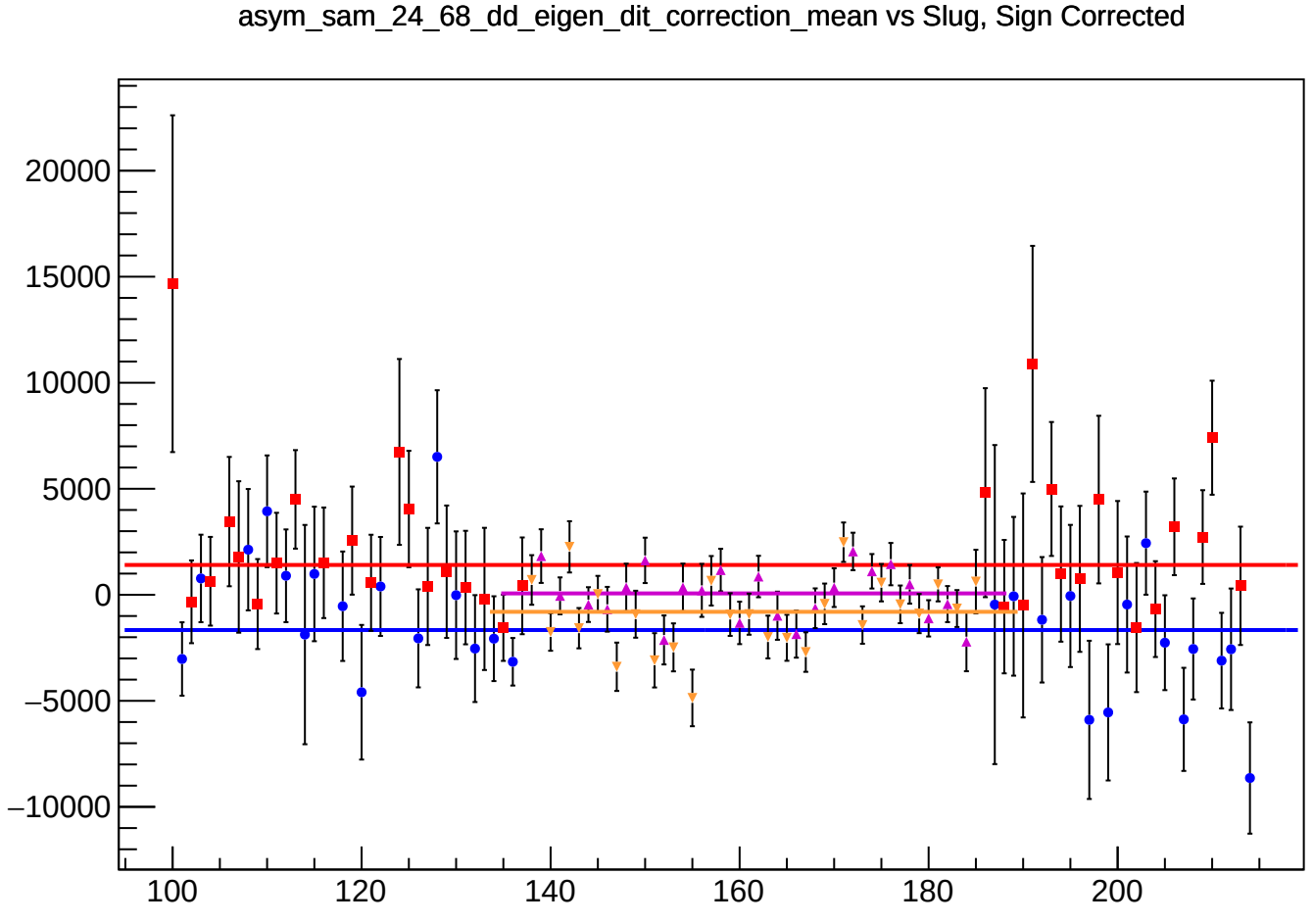
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

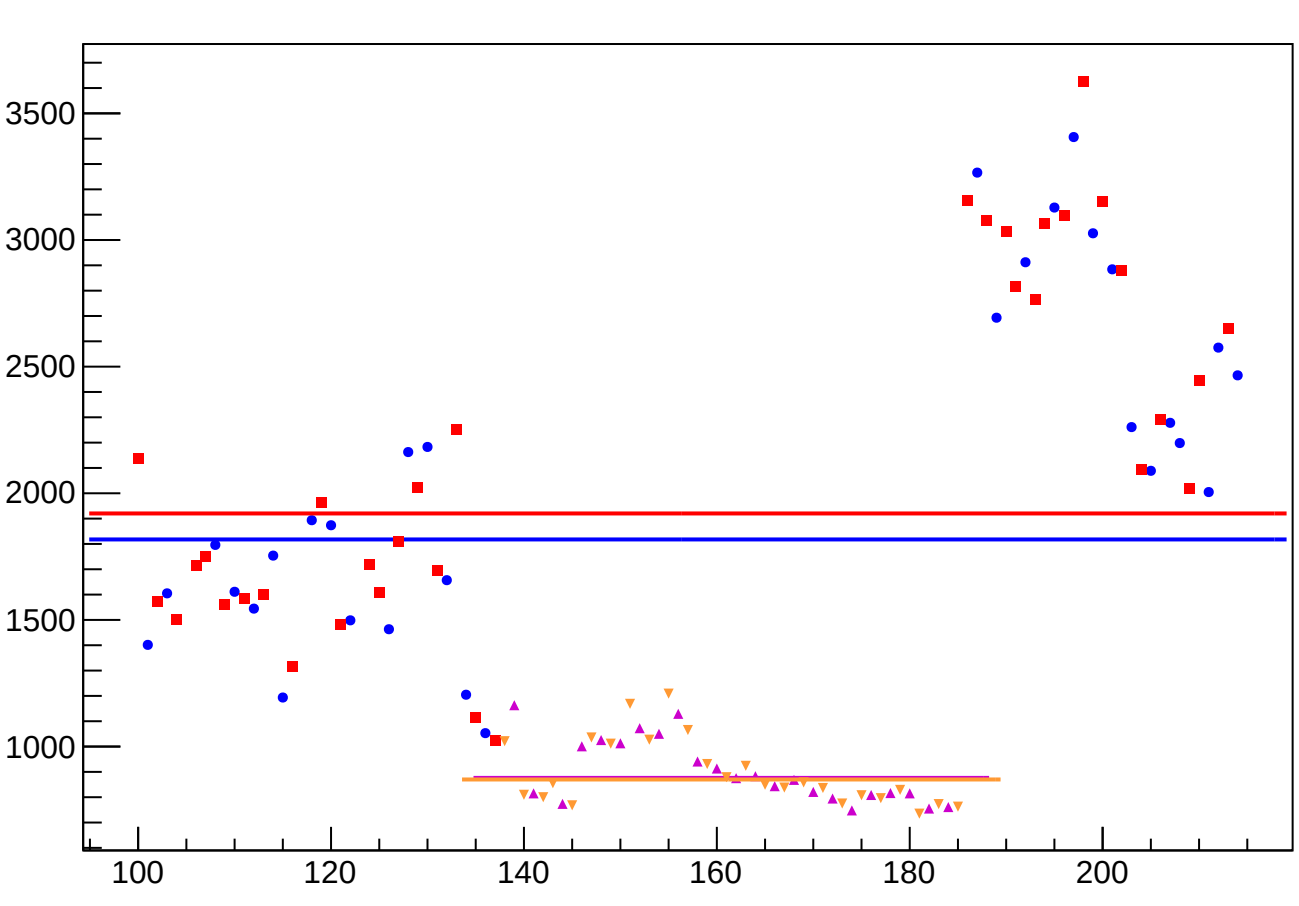
Right: 113.276+/-0.013 χ^2/NDF: 2397020.0/63

In: 98.877+/-0.012 χ^2/NDF:2292523.0/52

Out: 100.054+/-0.012 χ^2/NDF:3149161.1/58

All: 99.470+/-0.008 χ^2/NDF: 5446675.7/111


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1661.352+/-449.359 χ²/NDF: 38.2/29
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1406.835+/-464.419 χ²/NDF: 27.5/33
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -177.810+/-322.938 χ²/NDF: 88.2/63
In: -236.251+/-187.769 χ²/NDF:81.1/52
Out: -457.327+/-183.575 χ²/NDF:104.9/58
All: -349.285+/-131.265 χ²/NDF: 186.7/111



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

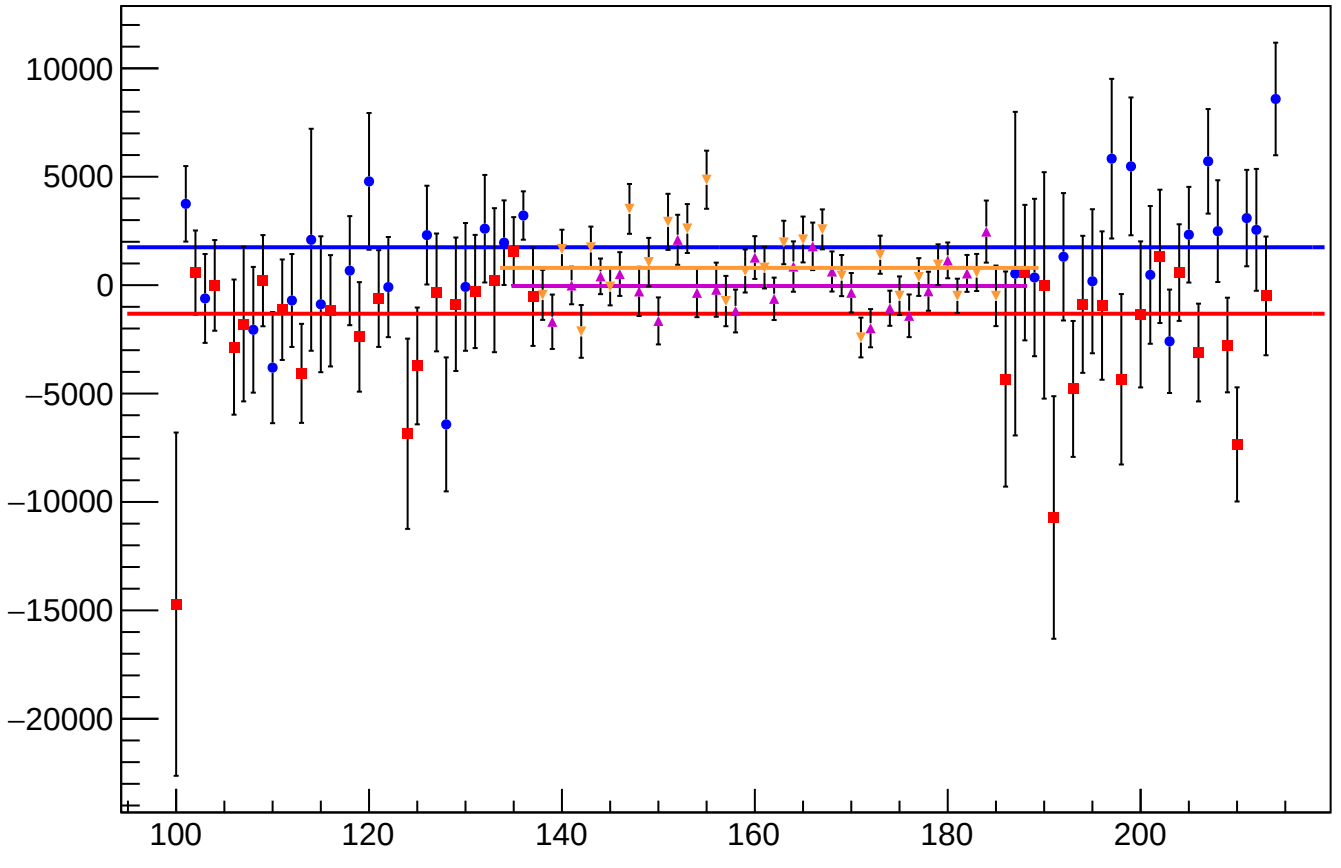
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1867.351+/-0.228 χ^2/NDF: 7375649.5/63

In: 1040.657+/-0.133 χ^2/NDF:11493062.5/52

Out: 1034.120+/-0.130 χ^2/NDF:12954351.6/58

All: 1037.314+/-0.093 χ^2/NDF: 24448653.6/1



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

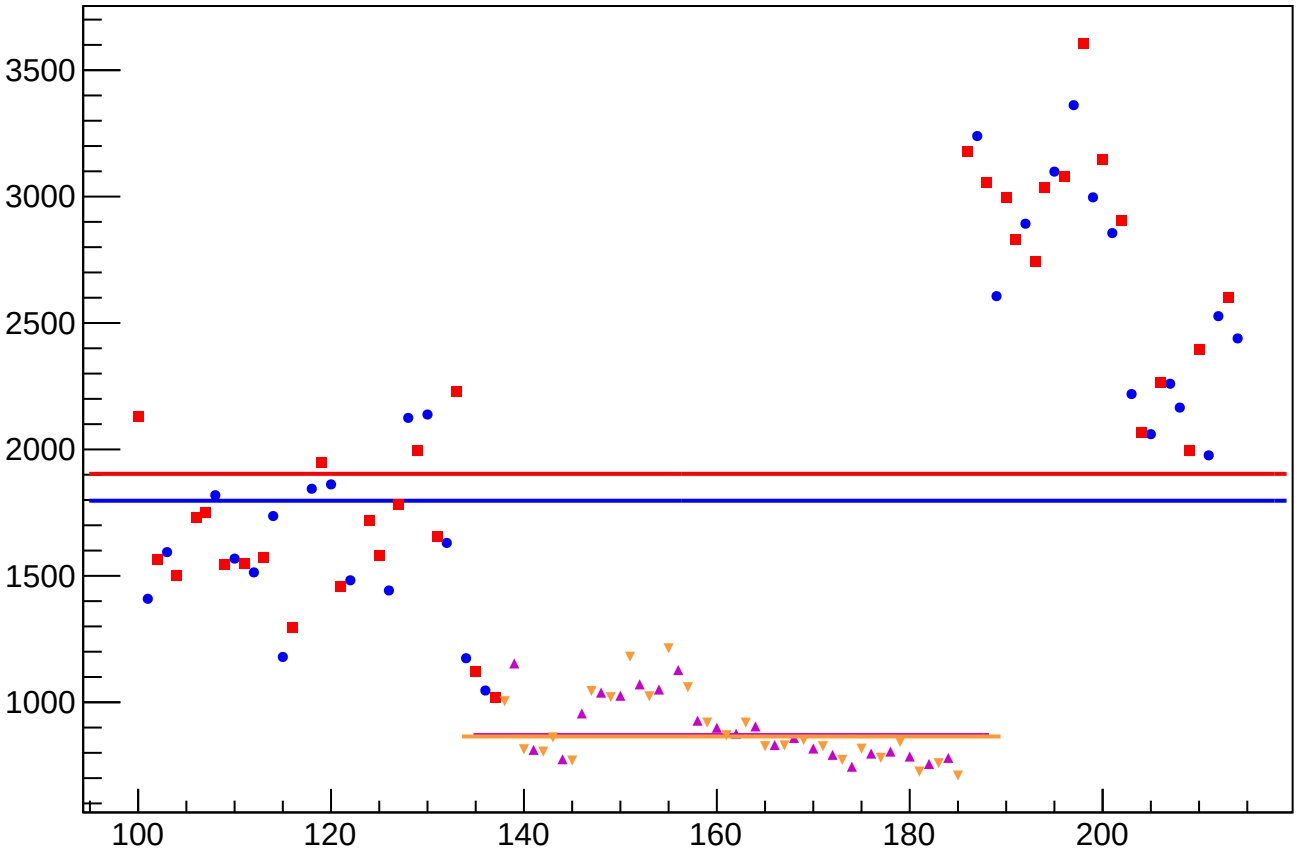
Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

Right: 270.014+/-319.663 χ^2/NDF: 88.3/63

In: 275.051+/-186.392 χ^2/NDF:81.9/52

Out: 464.058+/-182.515 χ^2/NDF:101.4/58

All: 371.541+/-130.407 χ^2/NDF: 183.9/111



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

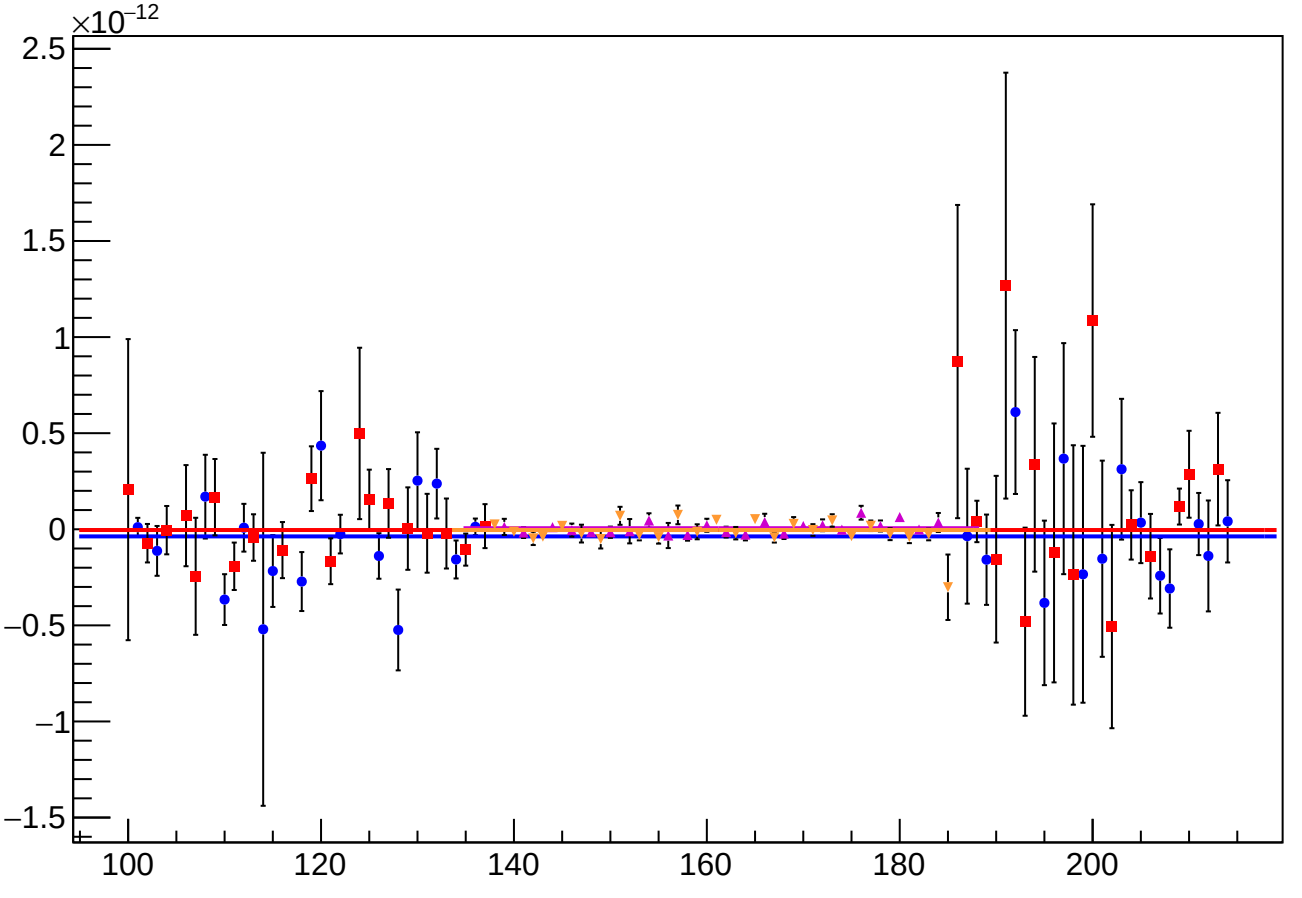
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1848.347+/-0.226 χ^2/NDF: 7343210.2/63

In: 1033.561+/-0.132 χ^2/NDF:11394334.7/52

Out: 1027.865+/-0.129 χ^2/NDF:12941596.5/58

All: 1030.653+/-0.092 χ^2/NDF: 24336884.8/



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

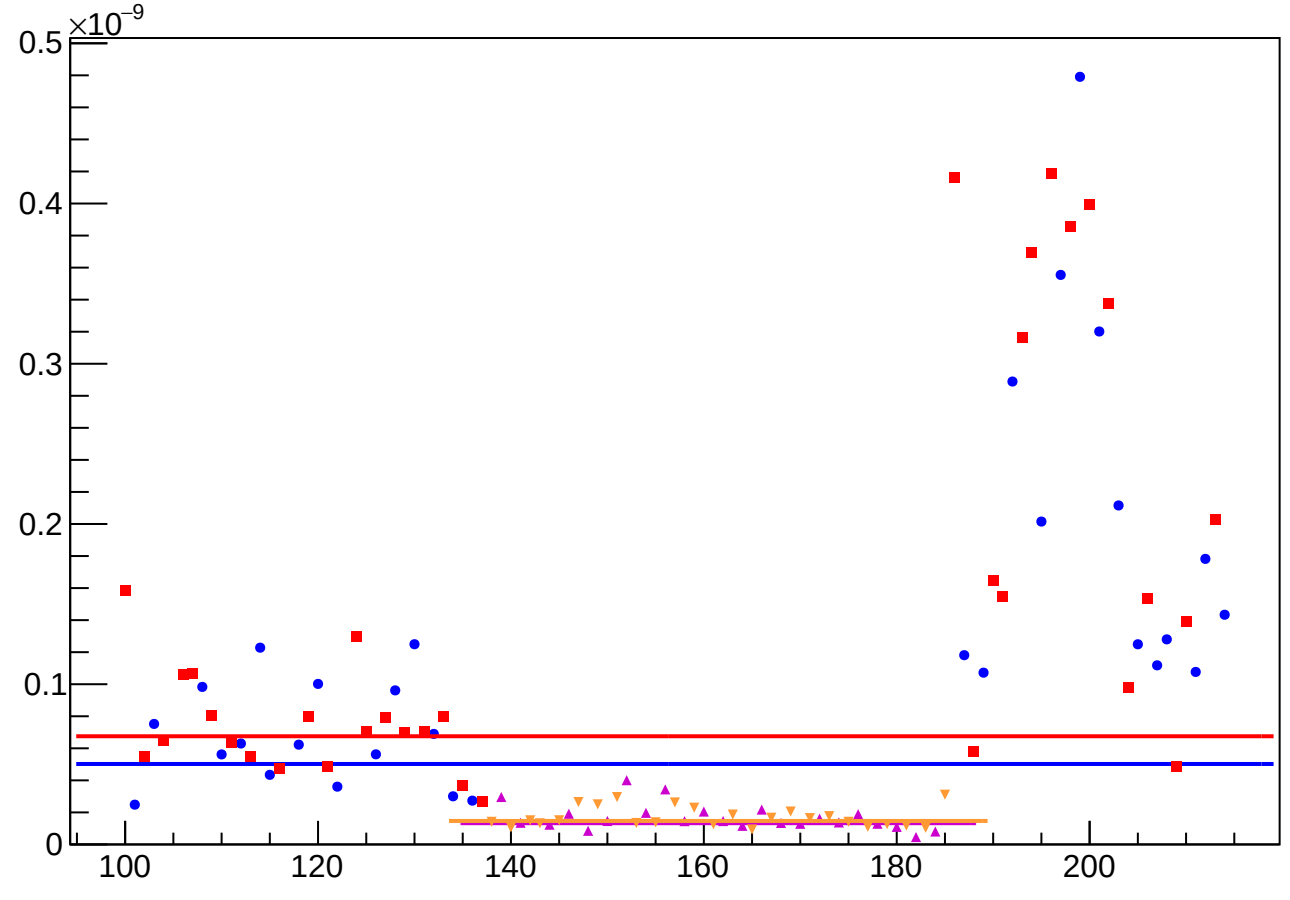
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 63.4/63

In: 0.000+/-0.000 χ^2/NDF:59.2/52

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: -0.000+/-0.000 χ^2/NDF: 125.7/111



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

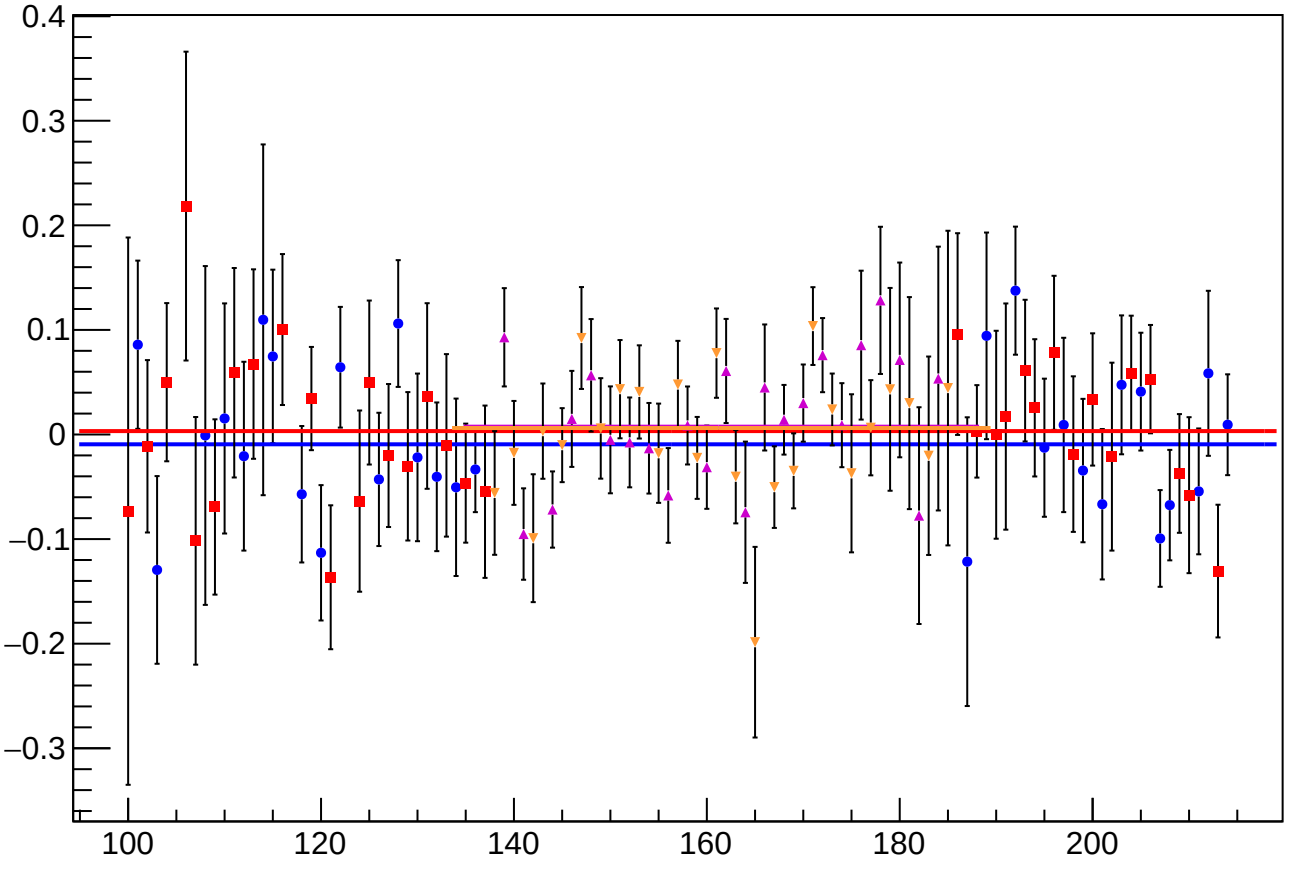
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 12999015.8/63

In: 0.000+/-0.000 χ^2/NDF:13508351.2/52

Out: 0.000+/-0.000 χ^2/NDF:13054325.1/58

All: 0.000+/-0.000 χ^2/NDF: 26613463.4/111



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

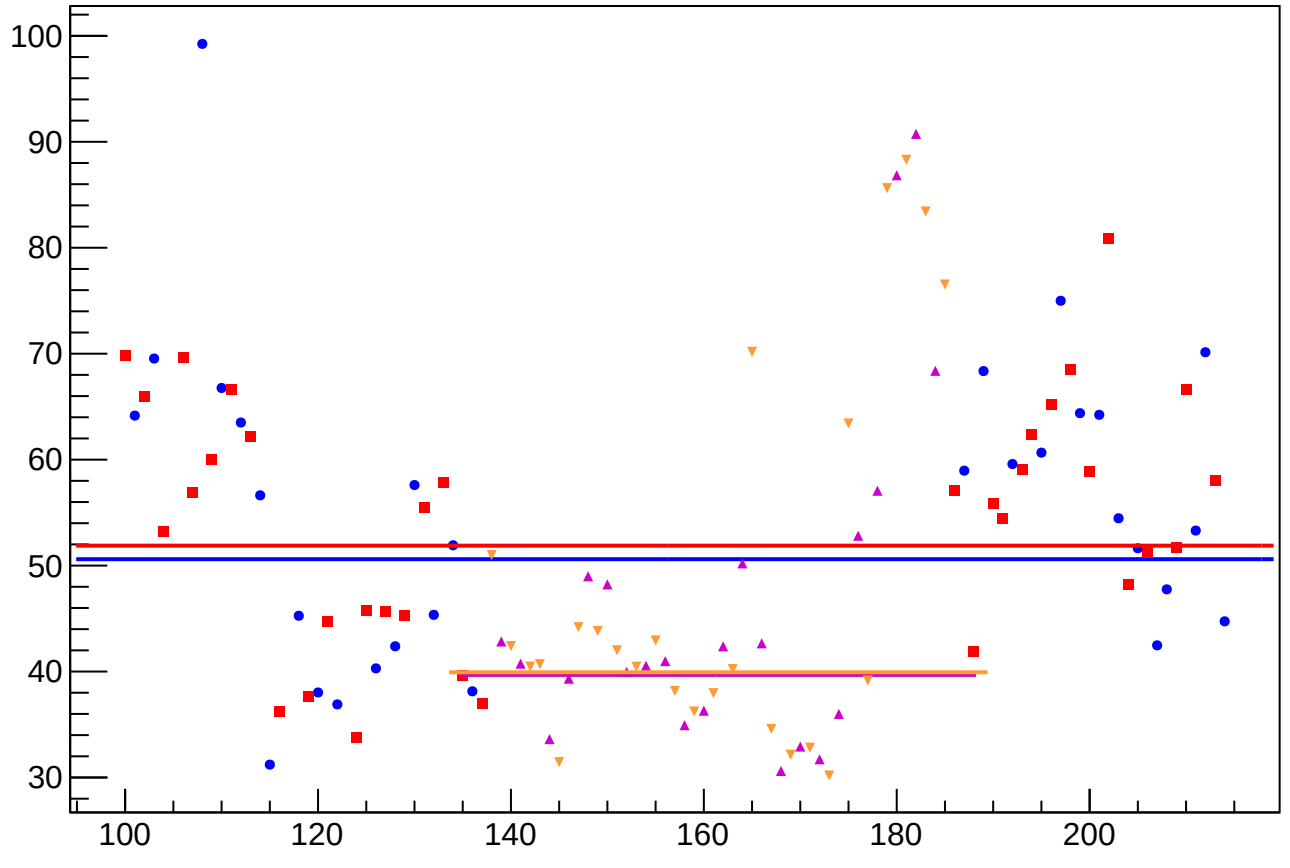
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.003+/-0.009 χ^2/NDF: 55.8/63

In: 0.001+/-0.008 χ^2/NDF:62.1/52

Out: 0.005+/-0.008 χ^2/NDF:55.6/58

All: 0.003+/-0.005 χ^2/NDF: 117.9/111



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

Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

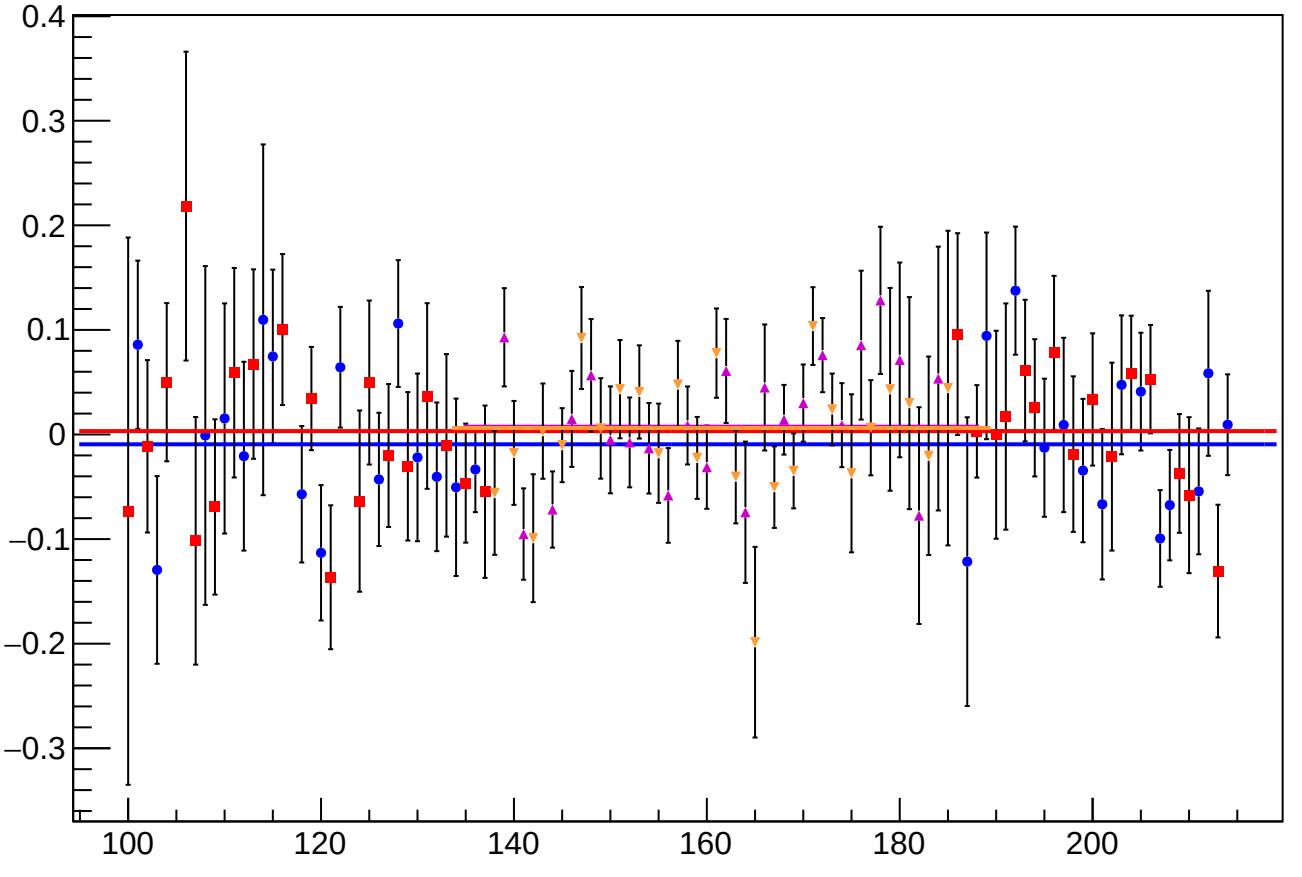
Right: 51.241+/-0.006 χ^2/NDF: 3217225.9/63

In: 43.879+/-0.005 χ^2/NDF:4617197.7/52

Out: 44.385+/-0.005 χ^2/NDF:5101465.5/58

All: 44.135+/-0.004 χ^2/NDF: 9723071.7/111

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

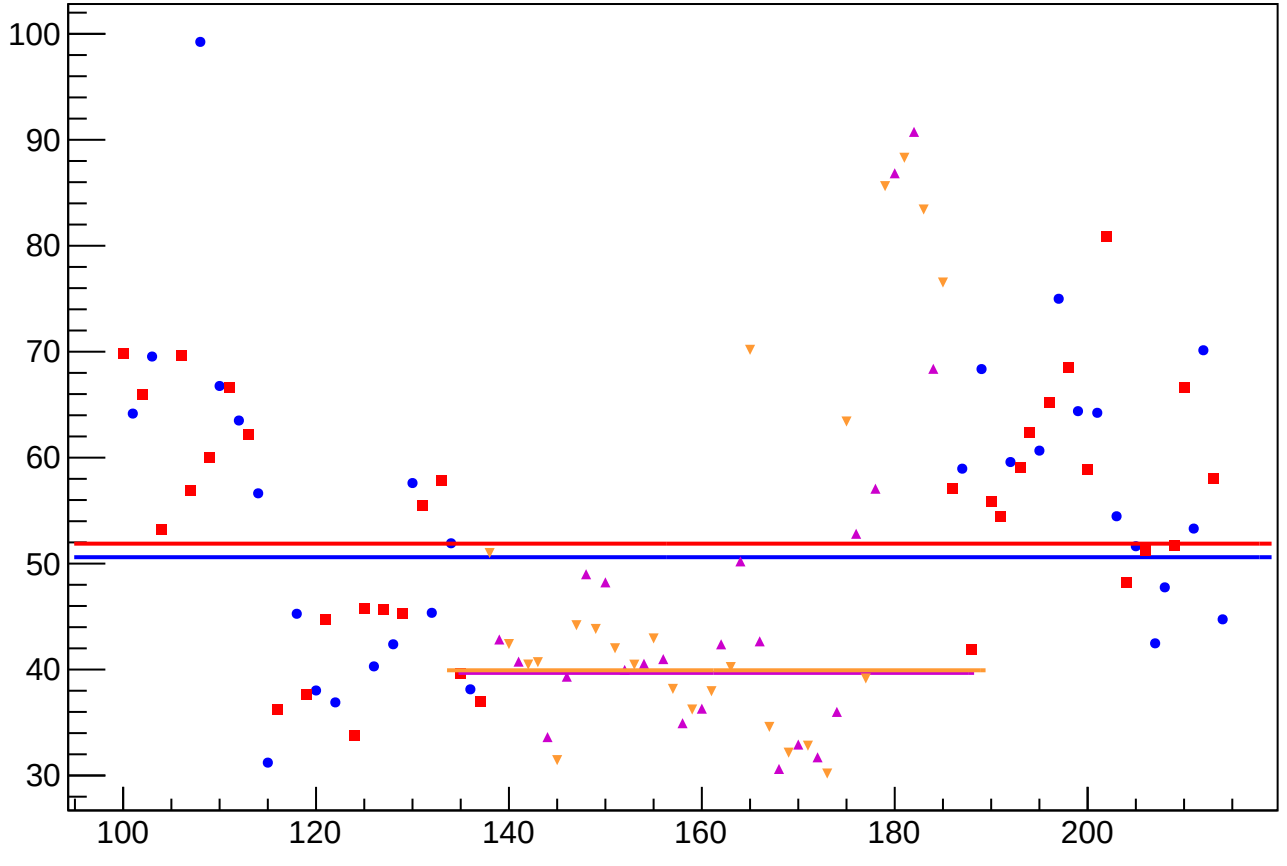
Right: -0.003+/-0.009 χ^2/NDF: 55.8/63

In: 0.001+/-0.008 χ^2/NDF:62.1/52

Out: 0.005+/-0.008 χ^2/NDF:55.6/58

All: 0.003+/-0.005 χ^2/NDF: 117.9/111

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

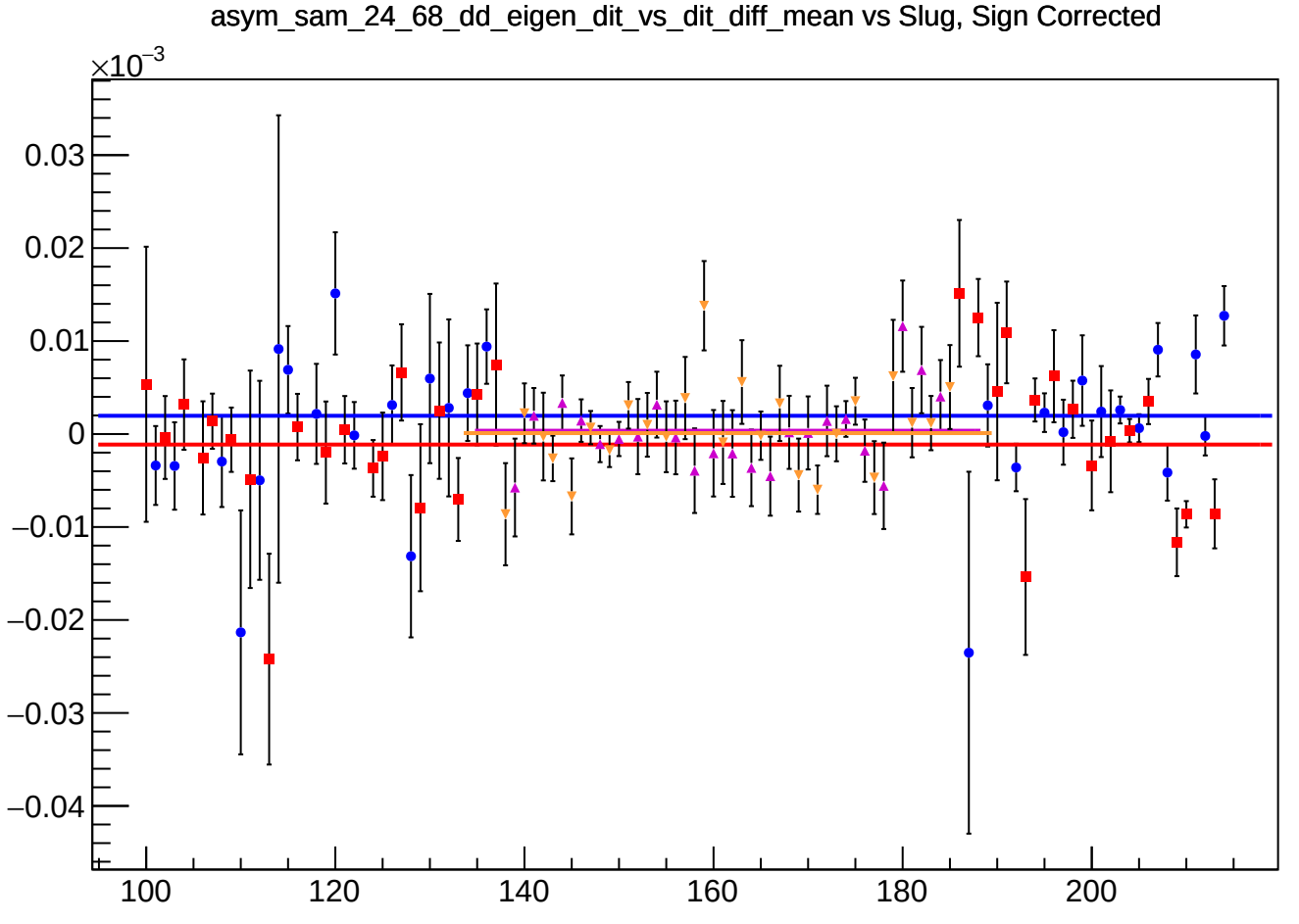
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.241+/-0.006 χ^2/NDF: 3217225.9/63

In: 43.879+/-0.005 χ^2/NDF:4617197.7/52

Out: 44.385+/-0.005 χ^2/NDF:5101465.5/58

All: 44.135+/-0.004 χ^2/NDF: 9723071.7/111



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

Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

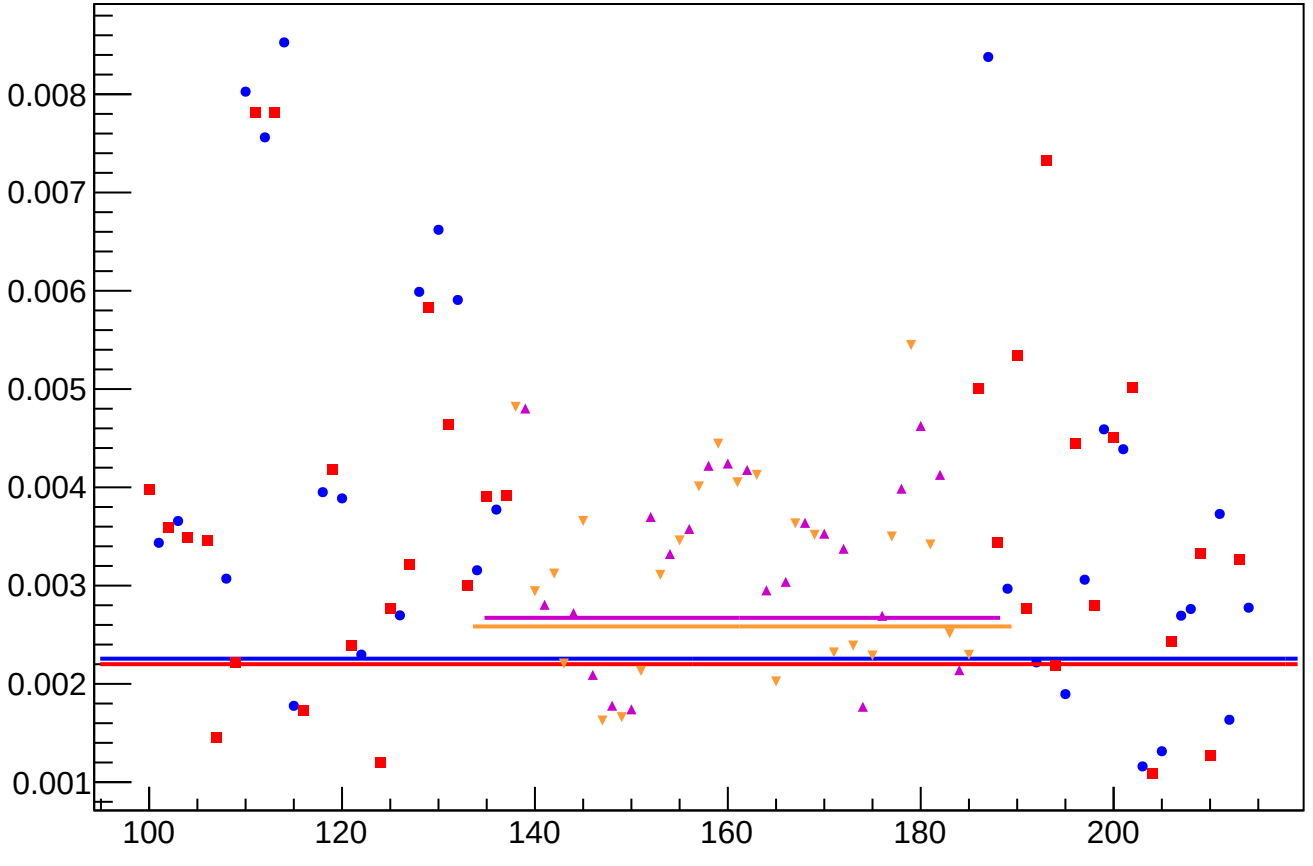
Right: 0.000+/-0.000 χ^2/NDF: 157.4/63

In: 0.000+/-0.000 χ^2/NDF:75.3/52

Out: -0.000+/-0.000 χ^2/NDF:126.1/58

All: 0.000+/-0.000 χ^2/NDF: 209.5/111

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

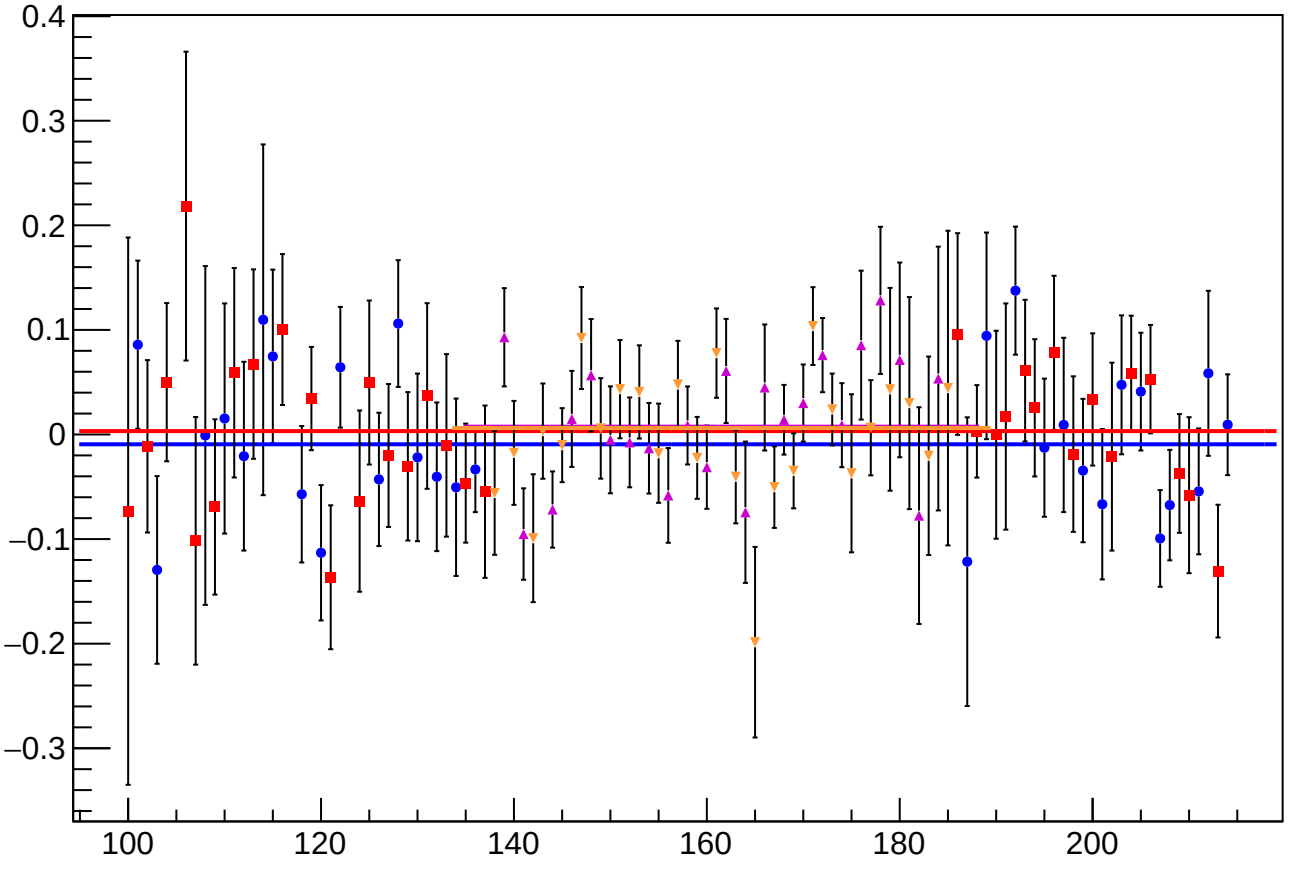
Right: 0.002+/-0.000 χ^2/NDF: 15737273.0/63

In: 0.002+/-0.000 χ^2/NDF:11239319.2/52

Out: 0.002+/-0.000 χ^2/NDF:13022630.7/58

All: 0.002+/-0.000 χ^2/NDF: 24282360.5/111

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

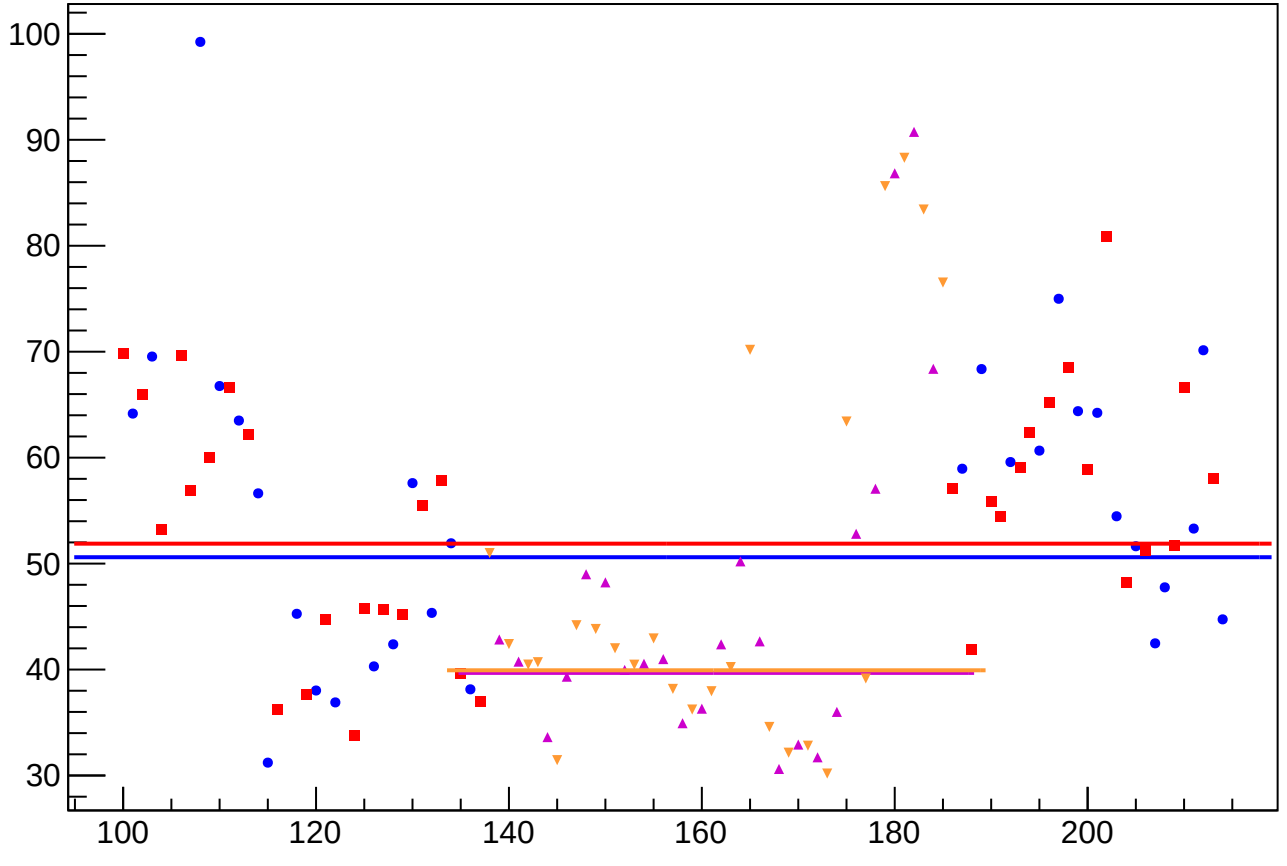
Right: -0.003+/-0.009 χ^2/NDF: 55.8/63

In: 0.001+/-0.008 χ^2/NDF:62.1/52

Out: 0.005+/-0.008 χ^2/NDF:55.6/58

All: 0.003+/-0.005 χ^2/NDF: 117.9/111

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

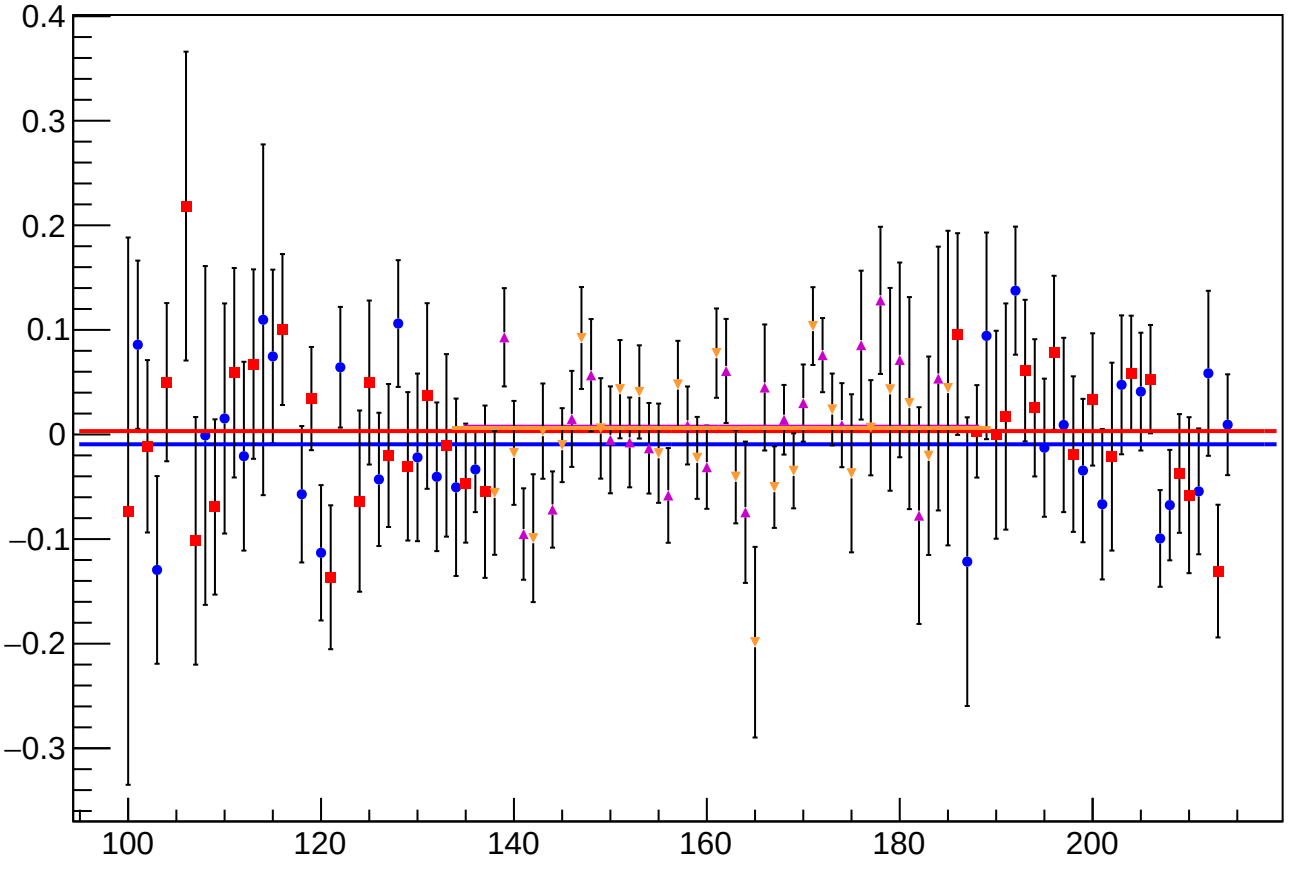
Right: 51.240+/-0.006 χ^2/NDF: 3217347.8/63

In: 43.878+/-0.005 χ^2/NDF:4617169.9/52

Out: 44.385+/-0.005 χ^2/NDF:5101413.1/58

All: 44.135+/-0.004 χ^2/NDF: 9722997.7/111

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

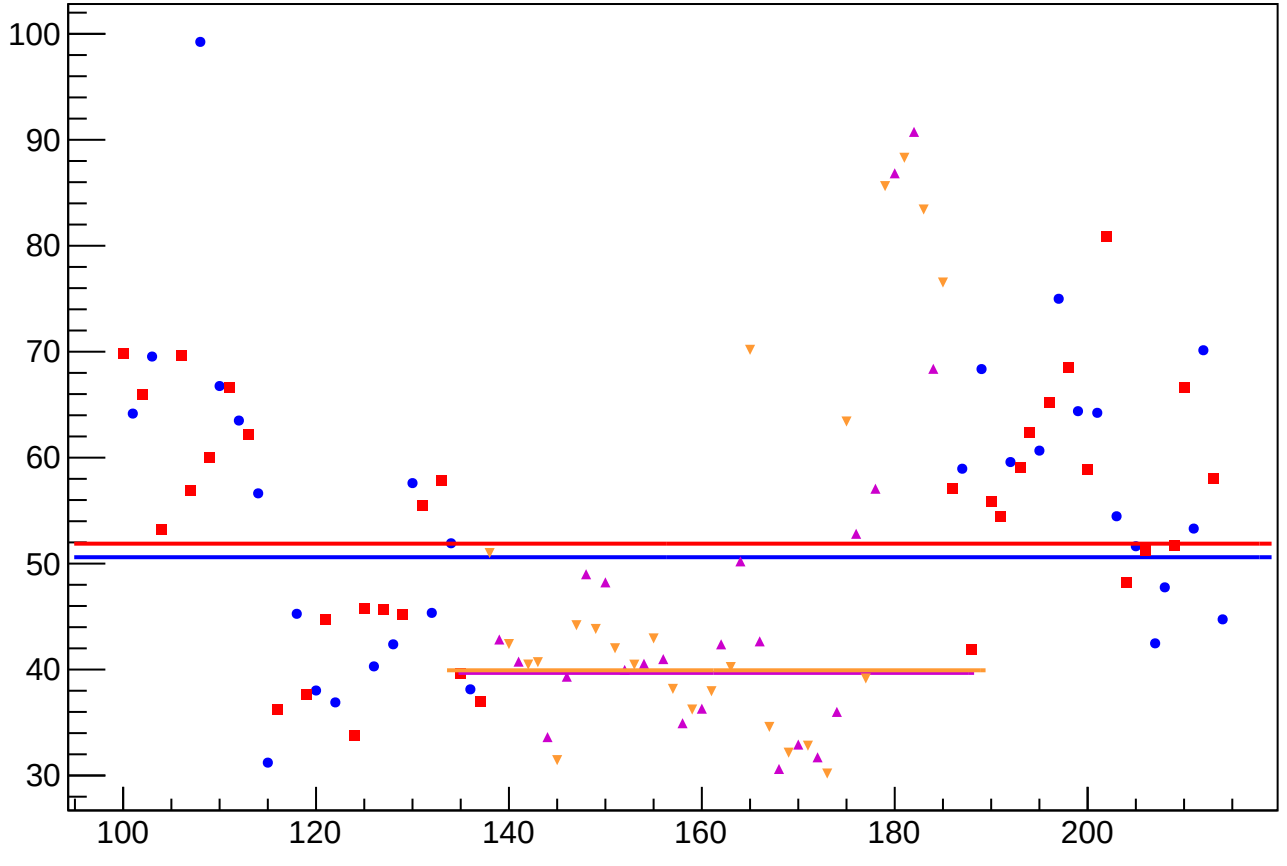
Right: -0.003+/-0.009 χ^2/NDF: 55.8/63

In: 0.001+/-0.008 χ^2/NDF:62.1/52

Out: 0.005+/-0.008 χ^2/NDF:55.6/58

All: 0.003+/-0.005 χ^2/NDF: 117.9/111

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

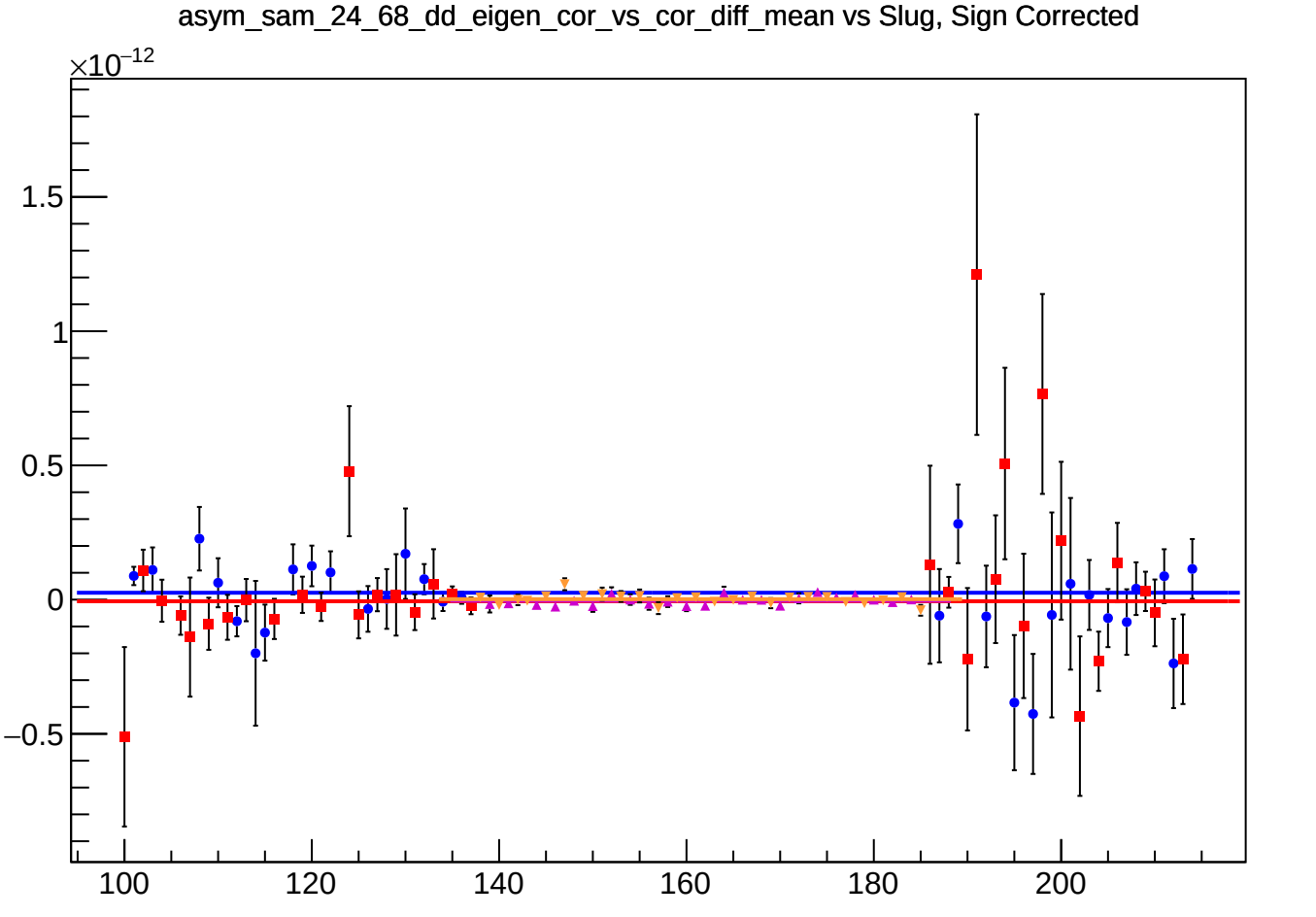
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.240+/-0.006 χ^2/NDF: 3217347.8/63

In: 43.878+/-0.005 χ^2/NDF:4617169.9/52

Out: 44.385+/-0.005 χ^2/NDF:5101413.1/58

All: 44.135+/-0.004 χ^2/NDF: 9722997.7/111



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

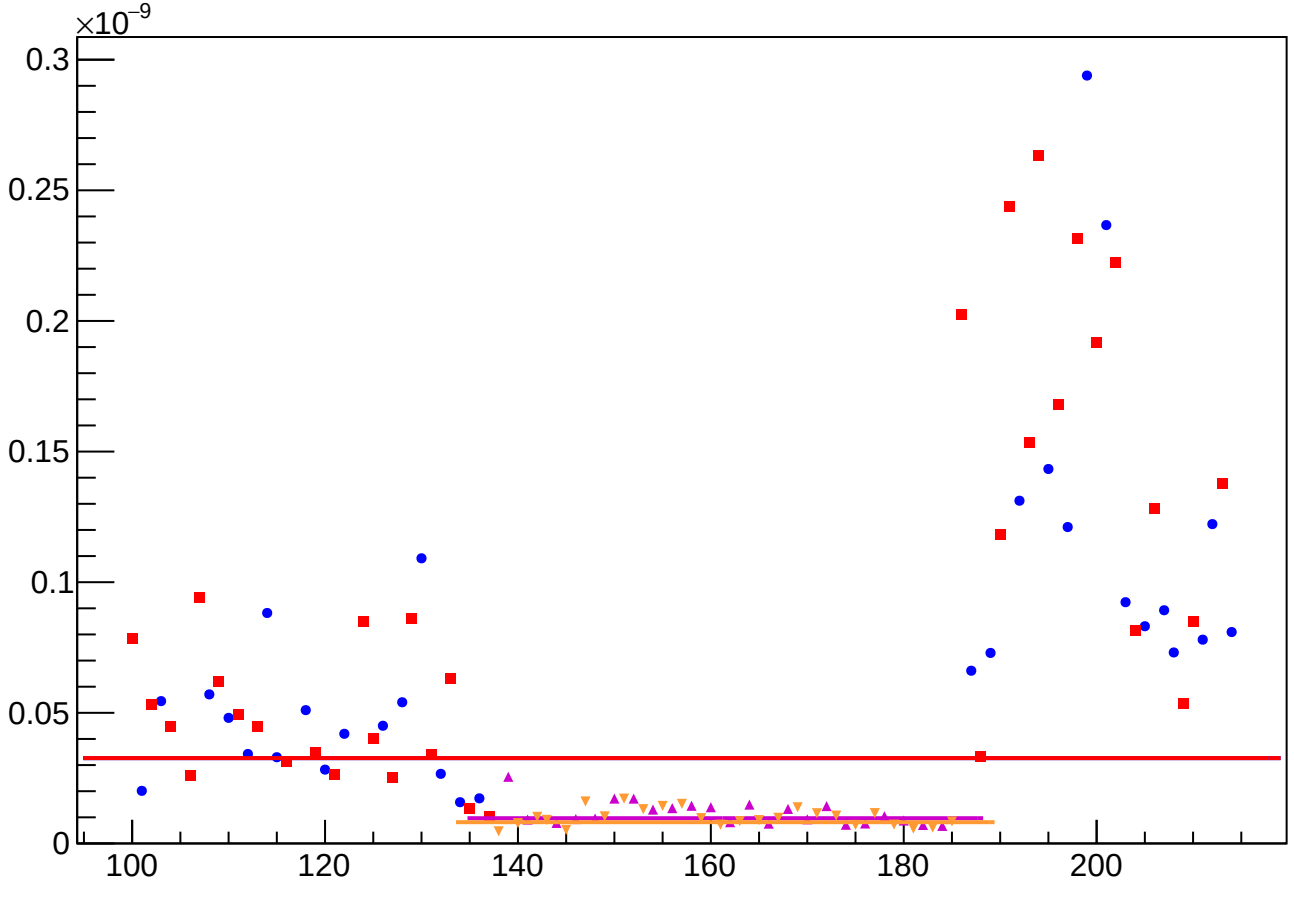
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 75.3/63

In: -0.000+/-0.000 χ^2/NDF:69.0/52

Out: 0.000+/-0.000 χ^2/NDF:64.2/58

All: -0.000+/-0.000 χ^2/NDF: 134.2/111



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

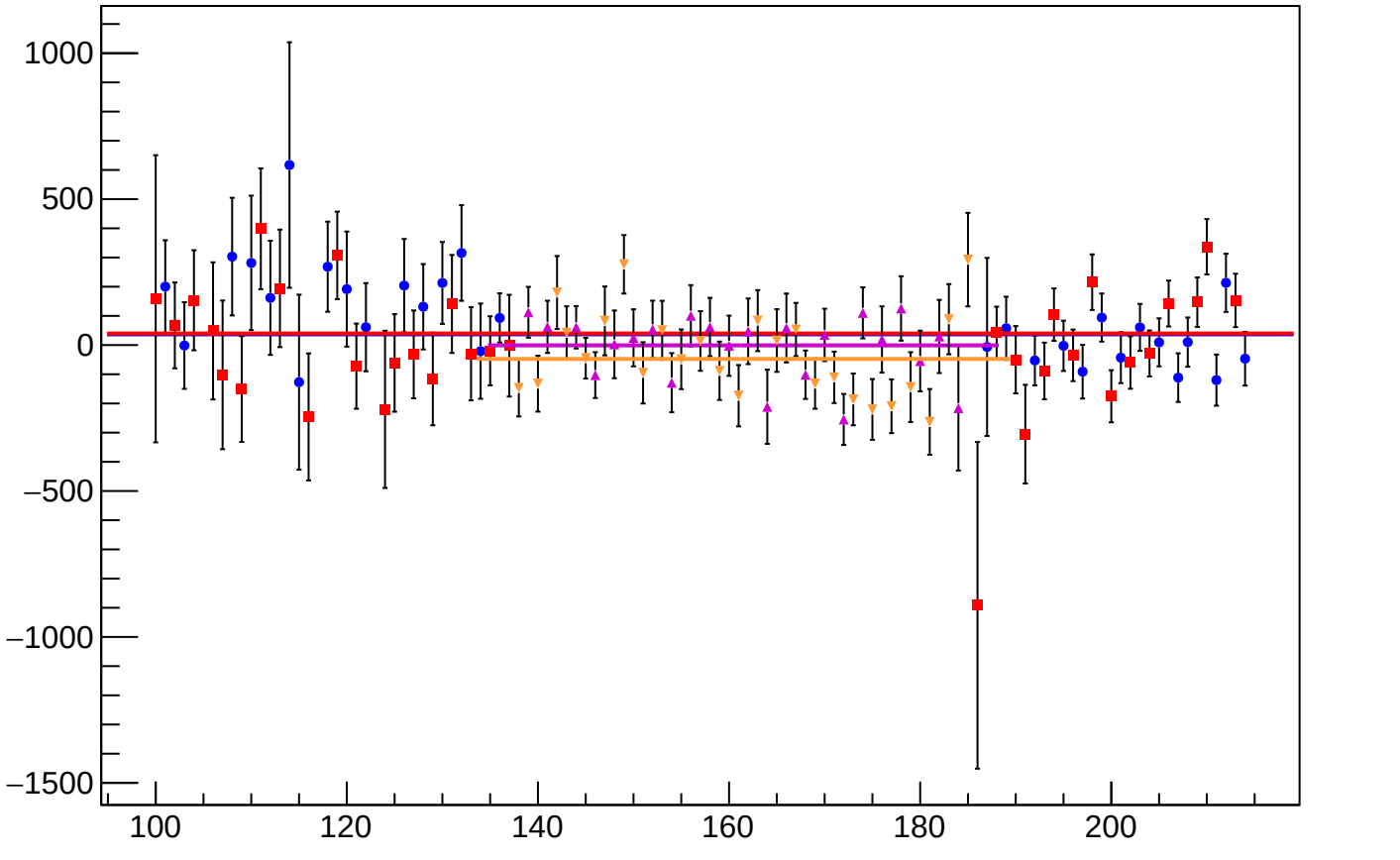
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 19440997.1/63

In: 0.000+/-0.000 χ^2/NDF:17187182.4/52

Out: 0.000+/-0.000 χ^2/NDF:19451228.9/58

All: 0.000+/-0.000 χ^2/NDF: 37098498.7/111



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

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

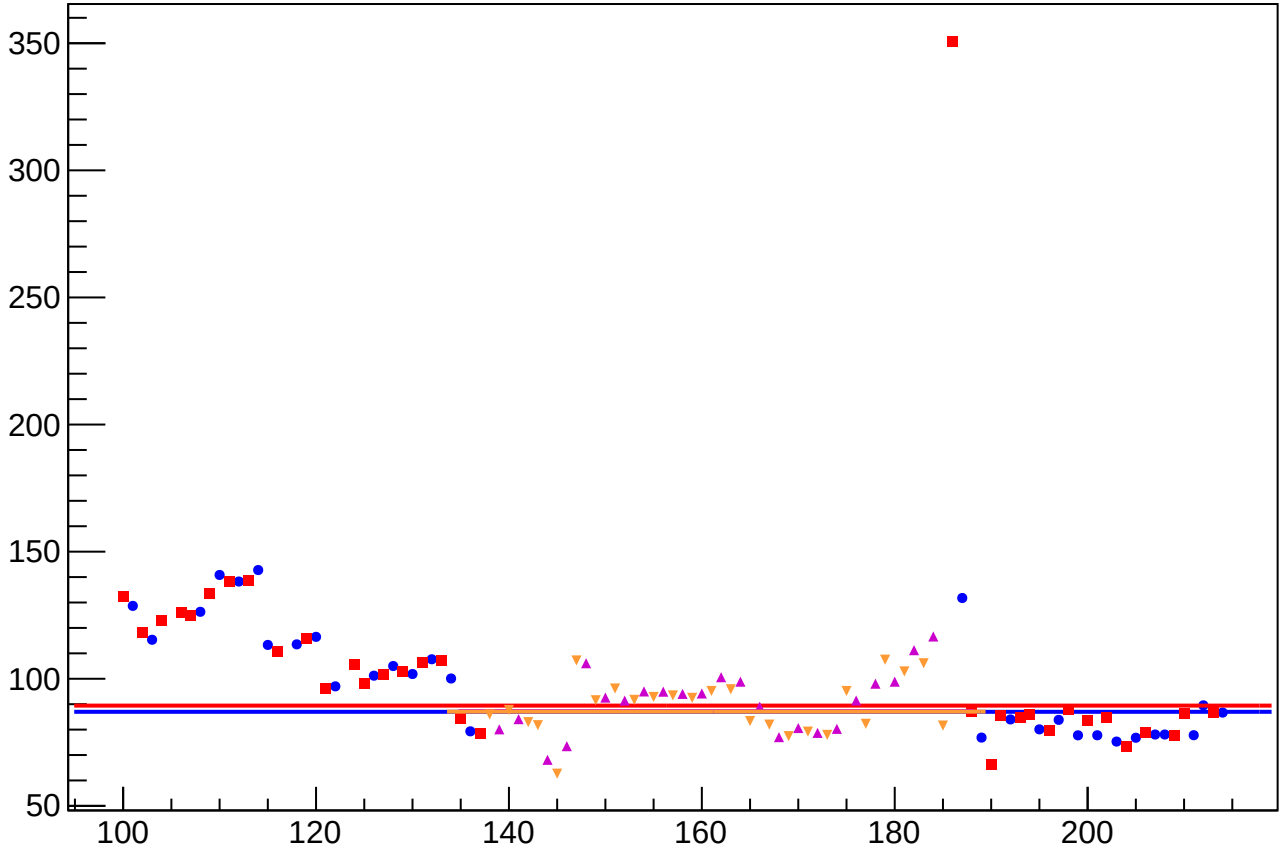
Right: 38.164+/-14.731 χ^2/NDF: 82.1/63

In: 17.812+/-14.599 χ^2/NDF:58.5/52

Out: -6.078+/-14.469 χ^2/NDF:103.8/58

All: 5.760+/-10.277 χ^2/NDF: 163.6/111

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

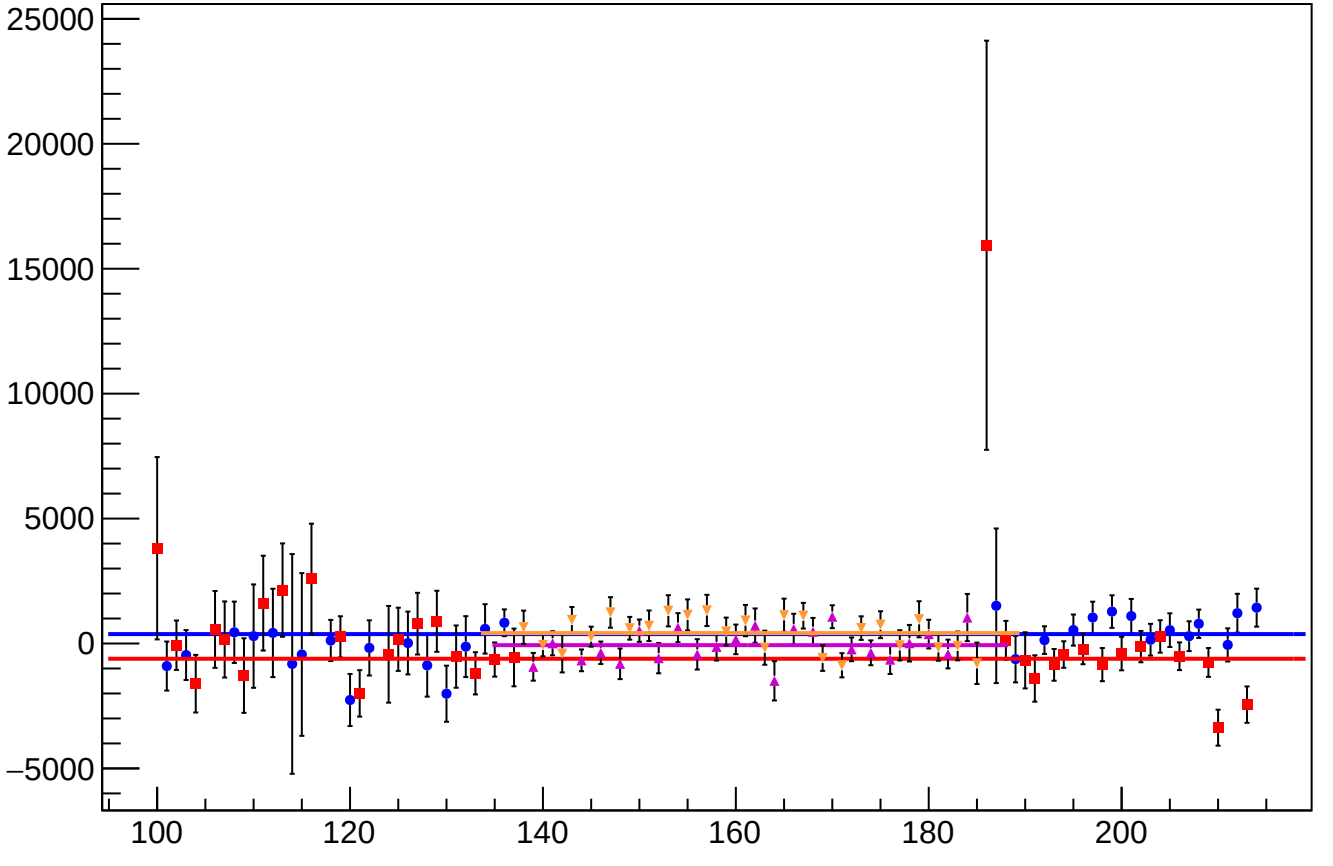
Right: 88.205+/-0.010 χ^2/NDF: 2628421.3/63

In: 87.130+/-0.010 χ^2/NDF:1690230.1/52

Out: 88.199+/-0.010 χ^2/NDF:2154444.4/58

All: 87.670+/-0.007 χ^2/NDF: 3850080.9/111

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



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

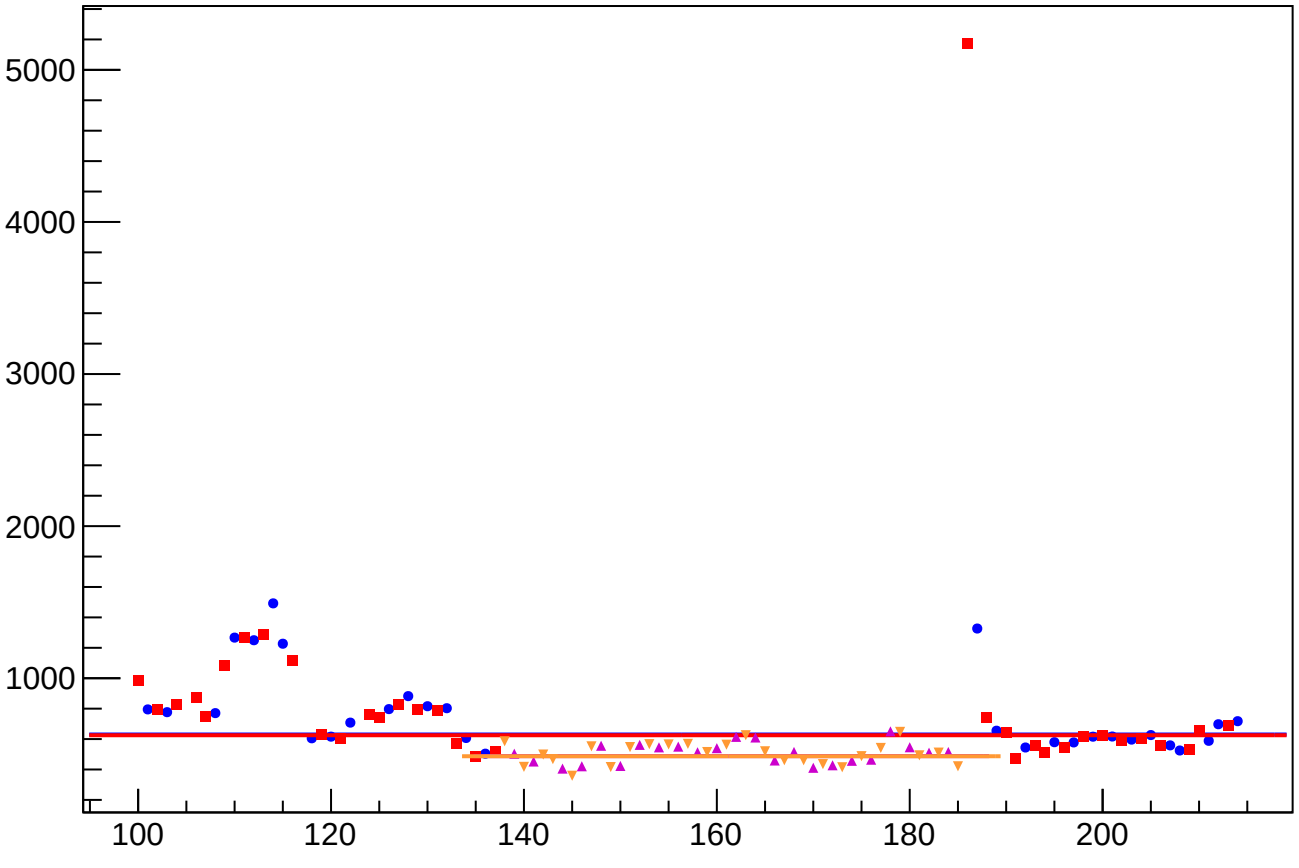
Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

Right: -124.533+/-105.595 χ^2/NDF: 94.0/63

In: 97.369+/-91.575 χ^2/NDF:58.7/52

Out: 41.799+/-89.534 χ^2/NDF:109.3/58

All: 68.958+/-64.019 χ^2/NDF: 168.2/111



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

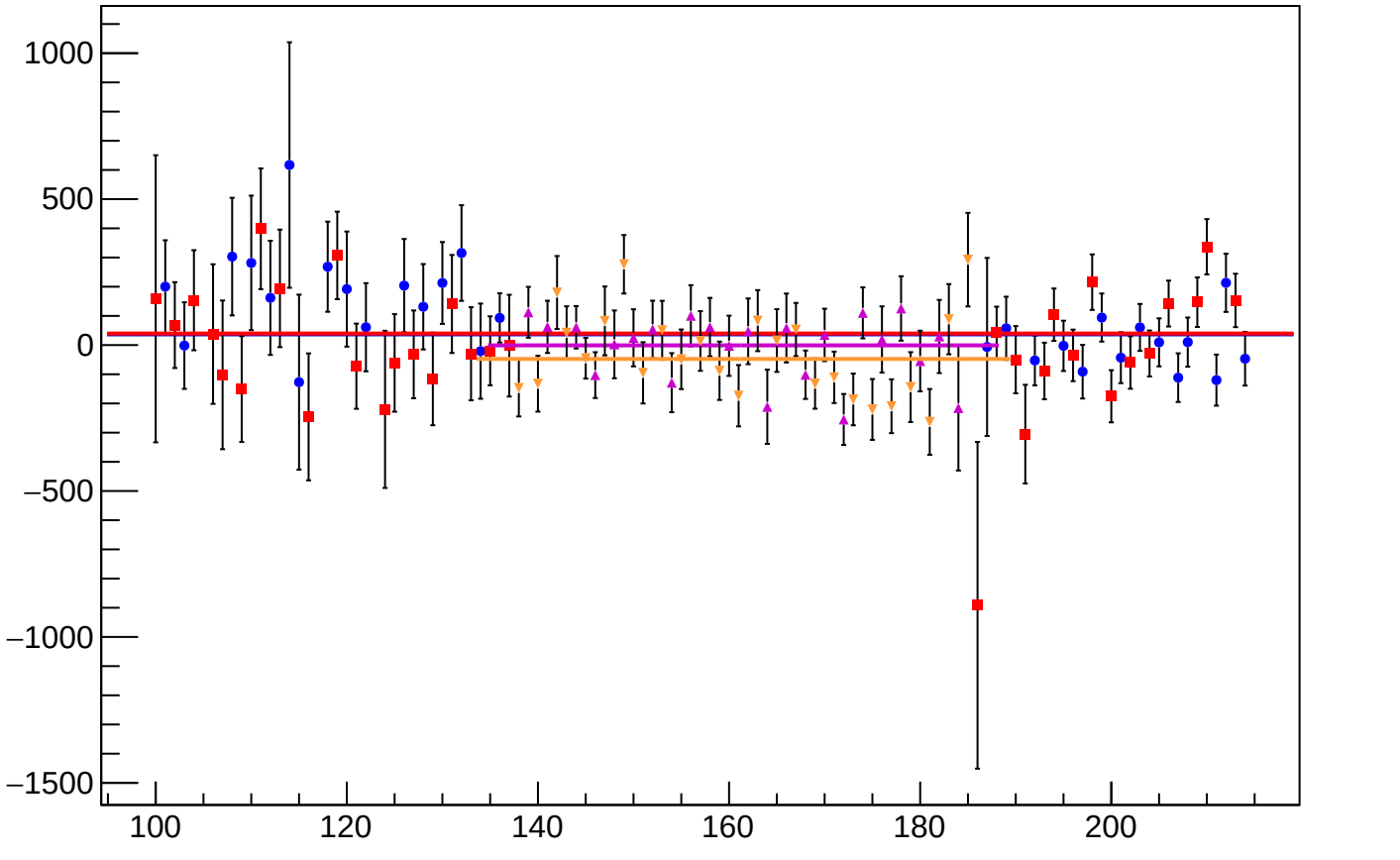
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 627.493+/-0.075 χ^2/NDF: 3596960.7/63

In: 540.526+/-0.065 χ^2/NDF:3127717.7/52

Out: 537.449+/-0.063 χ^2/NDF:4147036.3/58

All: 538.953+/-0.045 χ^2/NDF: 7275908.0/11



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

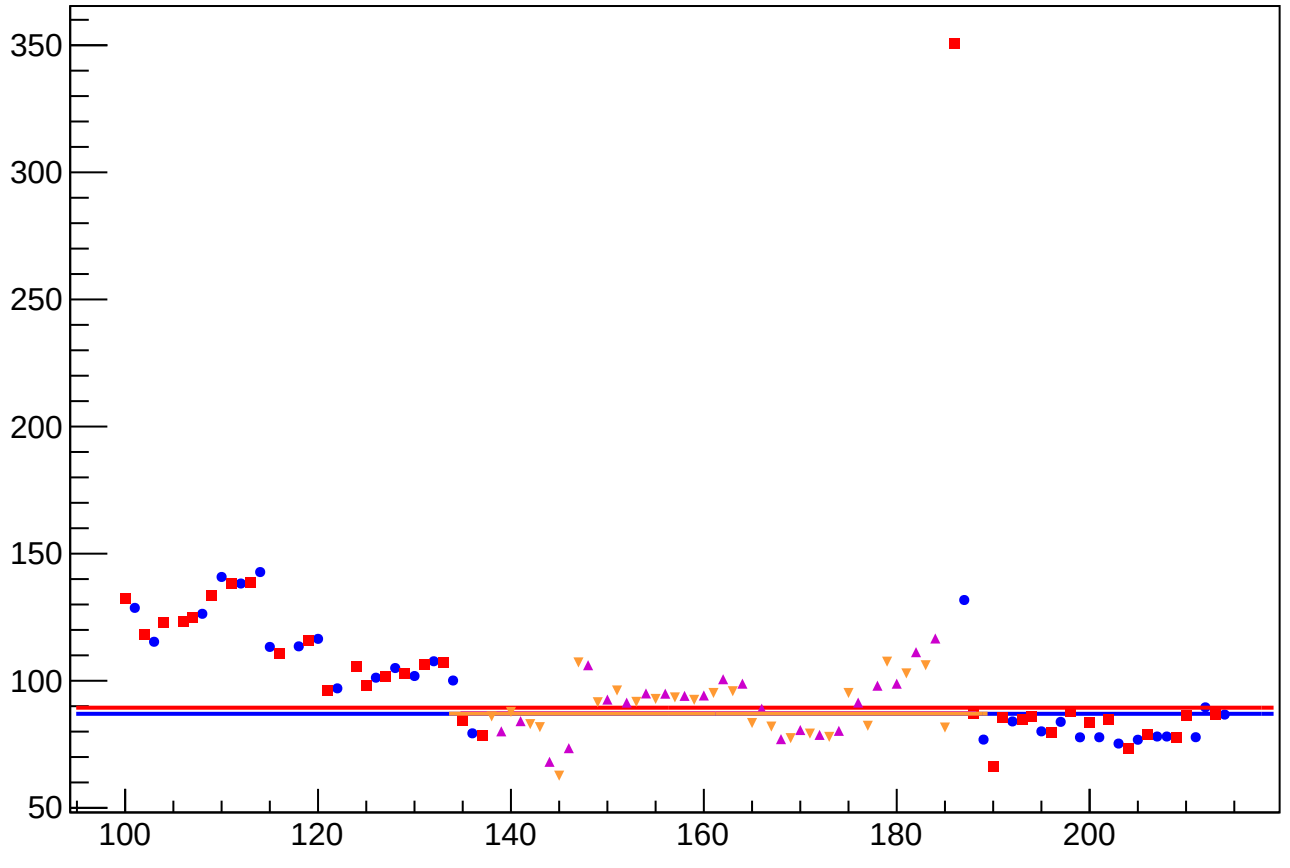
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 38.128+/-14.732 χ^2/NDF: 82.1/63

In: 17.808+/-14.599 χ^2/NDF:58.5/52

Out: -6.121+/-14.470 χ^2/NDF:103.8/58

All: 5.737+/-10.277 χ^2/NDF: 163.6/111



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

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

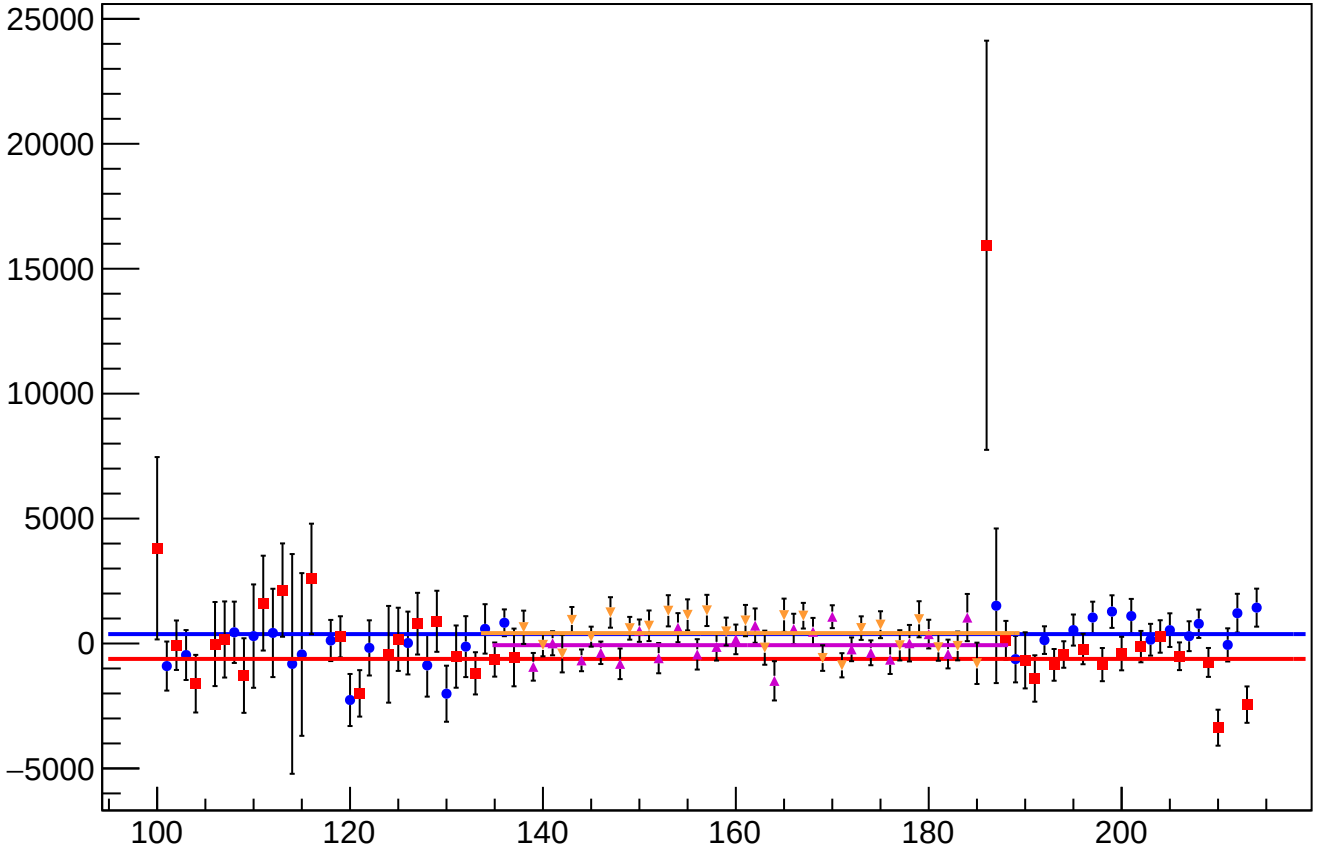
Right: 88.189+/-0.010 χ^2/NDF: 2619471.1/63

In: 87.130+/-0.010 χ^2/NDF:1690230.6/52

Out: 88.184+/-0.010 χ^2/NDF:2145492.0/58

All: 87.662+/-0.007 χ^2/NDF: 3840973.7/111

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



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

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

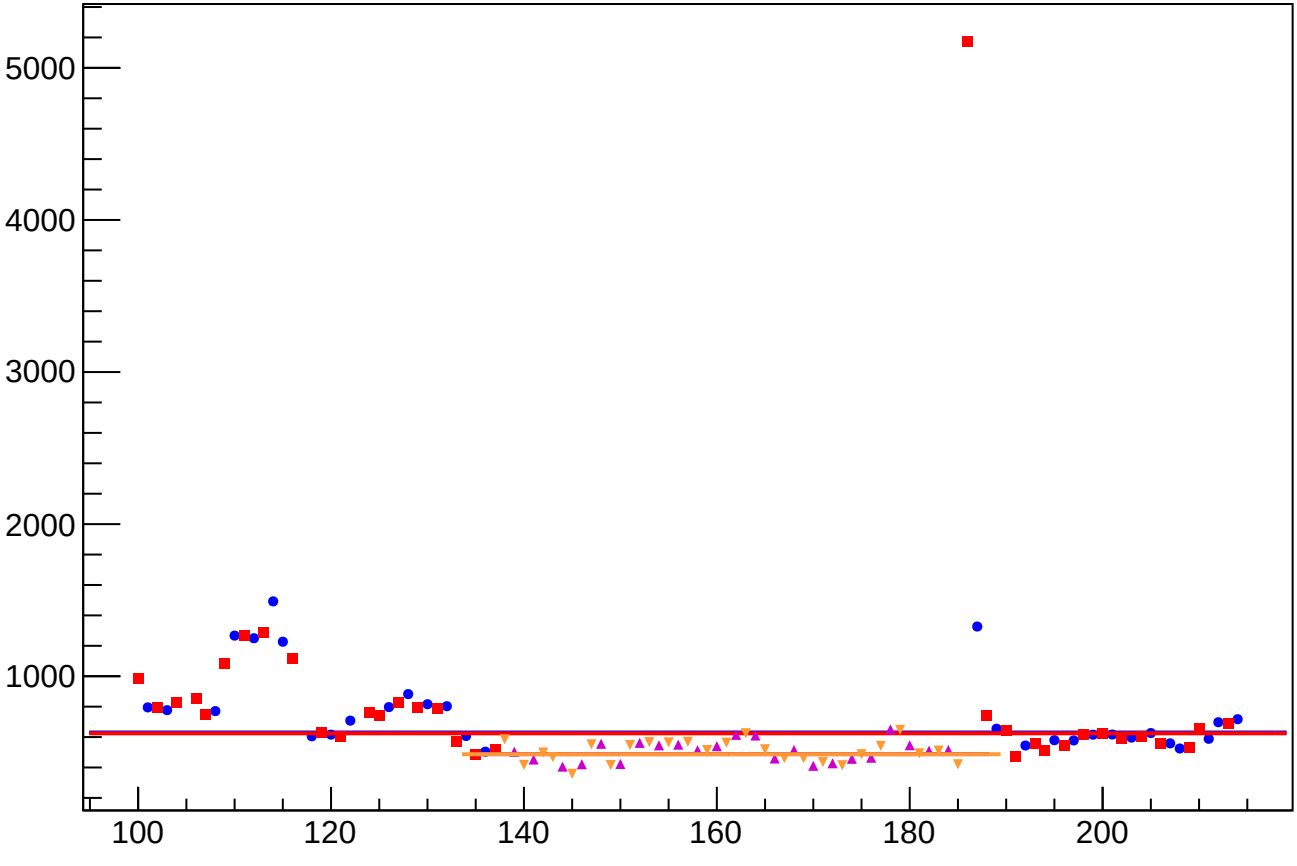
Right: -127.371+/-105.637 χ^2/NDF: 93.8/63

In: 97.369+/-91.575 χ^2/NDF:58.7/52

Out: 39.850+/-89.559 χ^2/NDF:109.2/58

All: 67.969+/-64.029 χ^2/NDF: 168.1/111

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



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

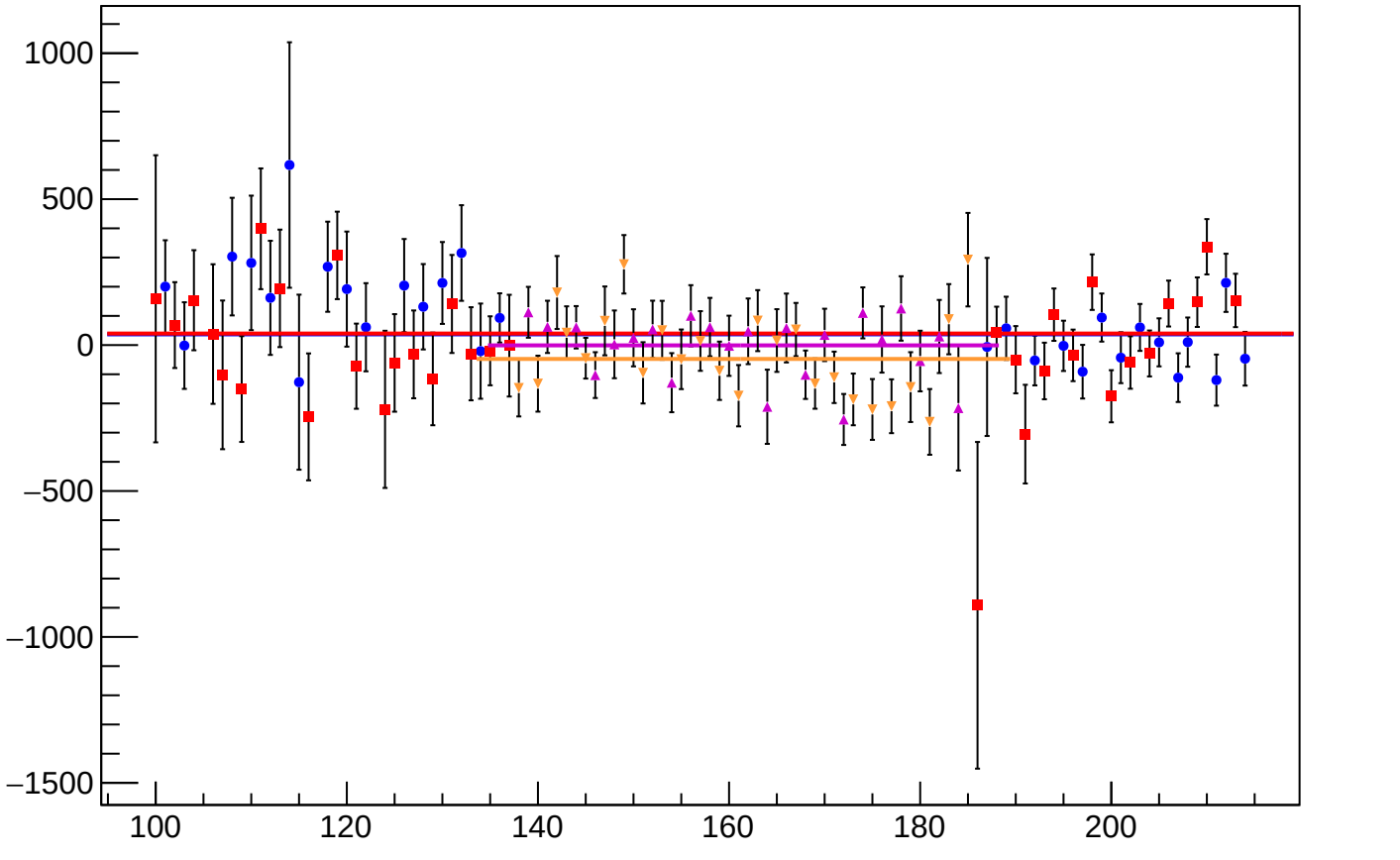
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 627.223+/-0.075 χ^2/NDF: 3581900.0/63

In: 540.526+/-0.065 χ^2/NDF:3127733.7/52

Out: 537.204+/-0.063 χ^2/NDF:4122081.4/58

All: 538.828+/-0.045 χ^2/NDF: 7251160.2/11



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

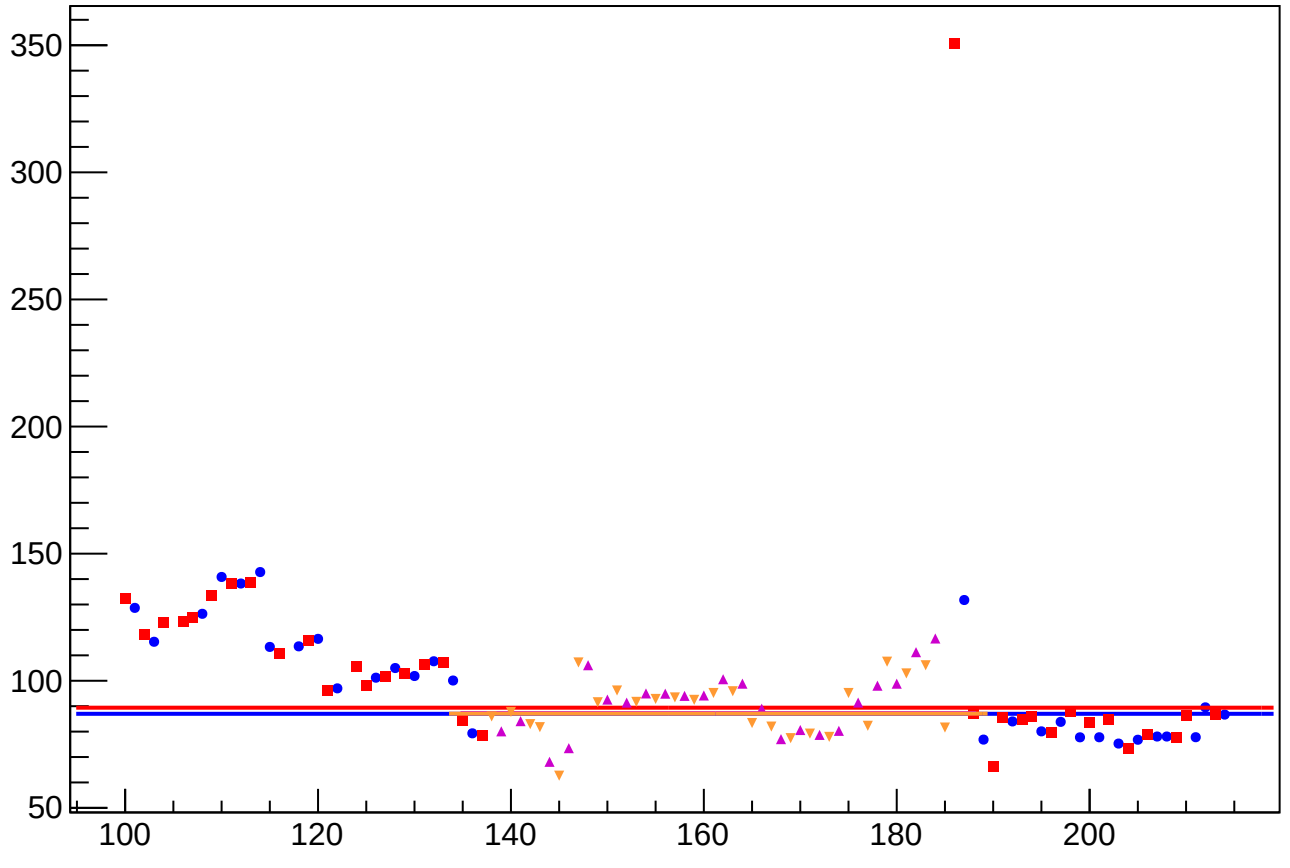
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 38.128+/-14.732 χ^2/NDF: 82.1/63

In: 17.808+/-14.599 χ^2/NDF:58.5/52

Out: -6.121+/-14.470 χ^2/NDF:103.8/58

All: 5.737+/-10.277 χ^2/NDF: 163.6/111



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

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

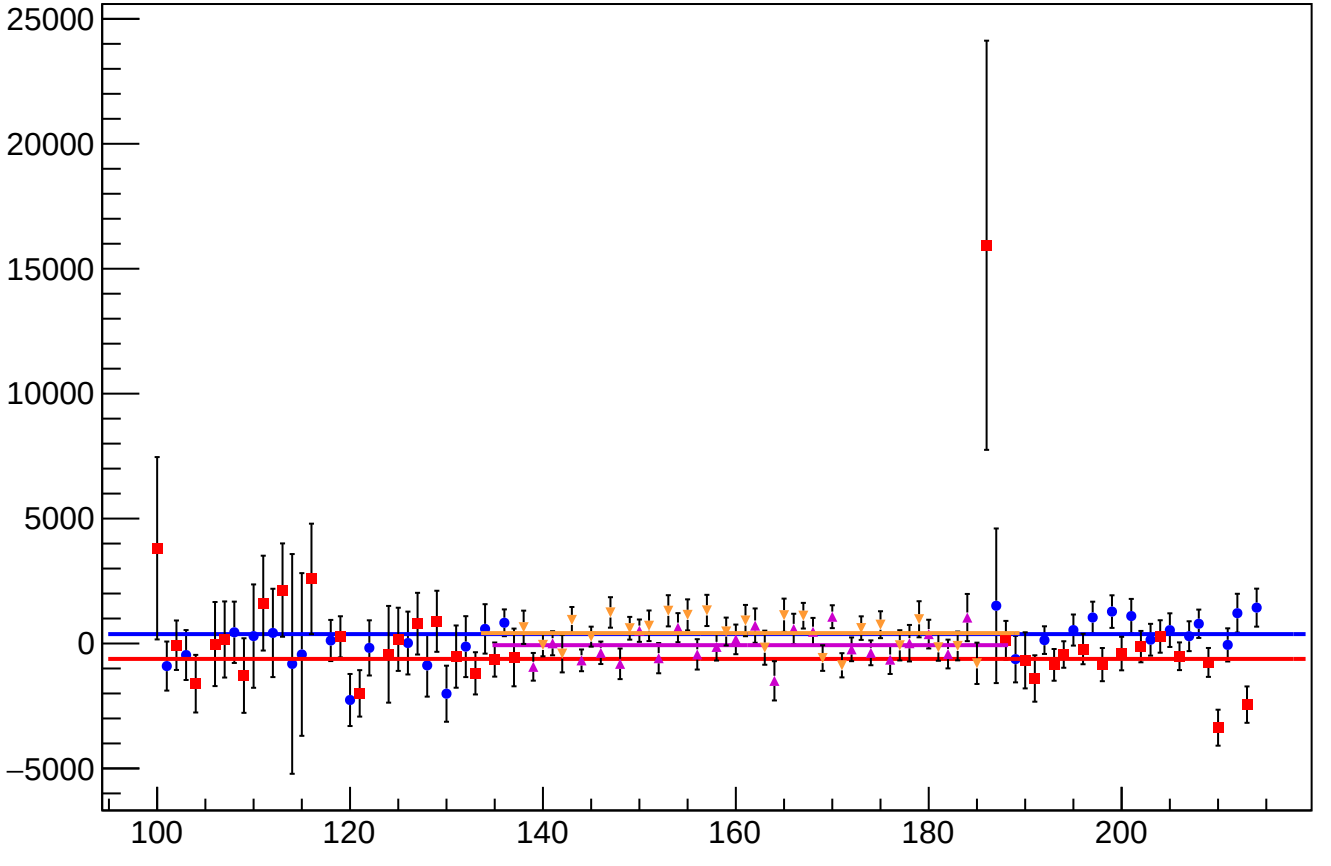
Right: 88.189+/-0.010 χ^2/NDF: 2619471.1/63

In: 87.130+/-0.010 χ^2/NDF:1690230.6/52

Out: 88.184+/-0.010 χ^2/NDF:2145492.0/58

All: 87.662+/-0.007 χ^2/NDF: 3840973.7/111

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

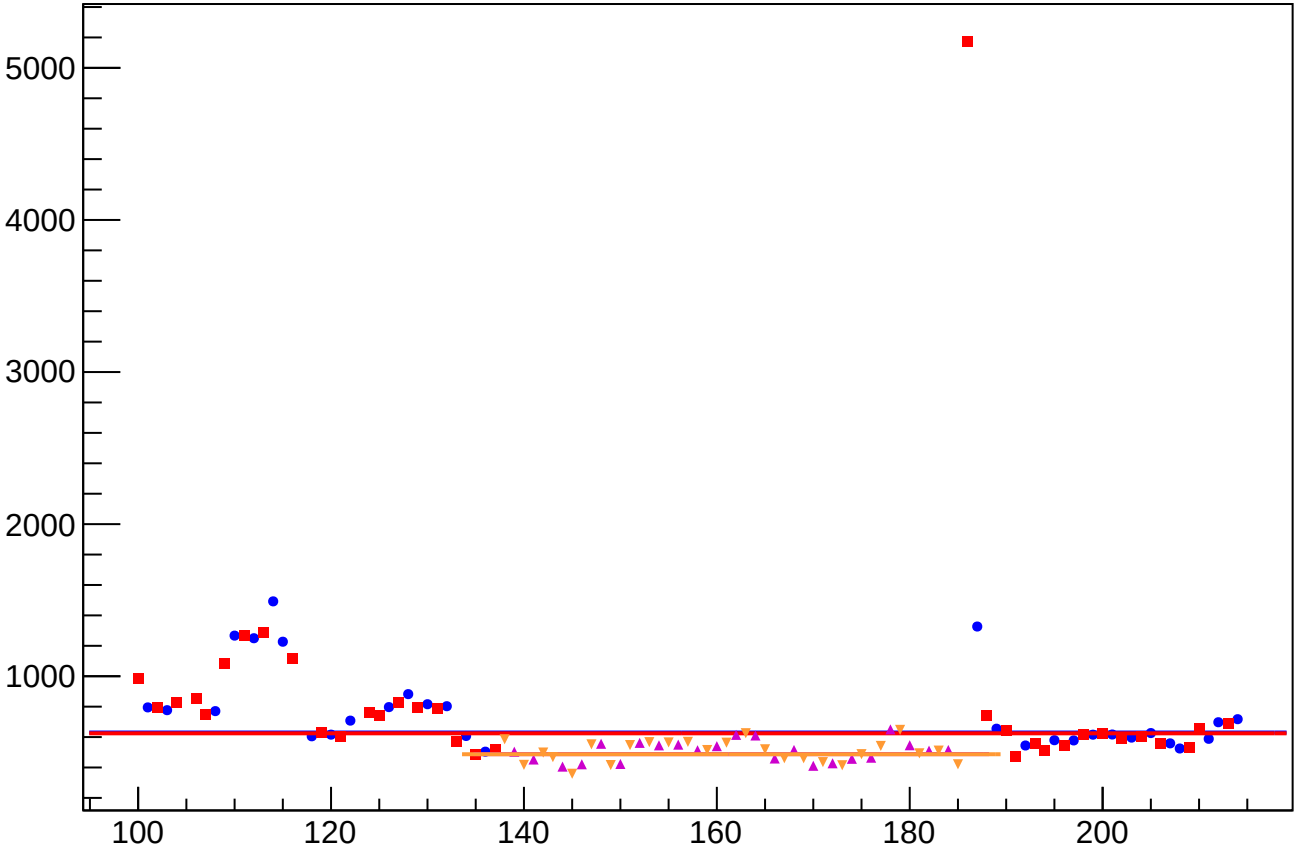
Right: -127.371+/-105.637 χ^2/NDF: 93.8/63

In: 97.369+/-91.575 χ^2/NDF:58.7/52

Out: 39.850+/-89.559 χ^2/NDF:109.2/58

All: 67.969+/-64.029 χ^2/NDF: 168.1/111

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

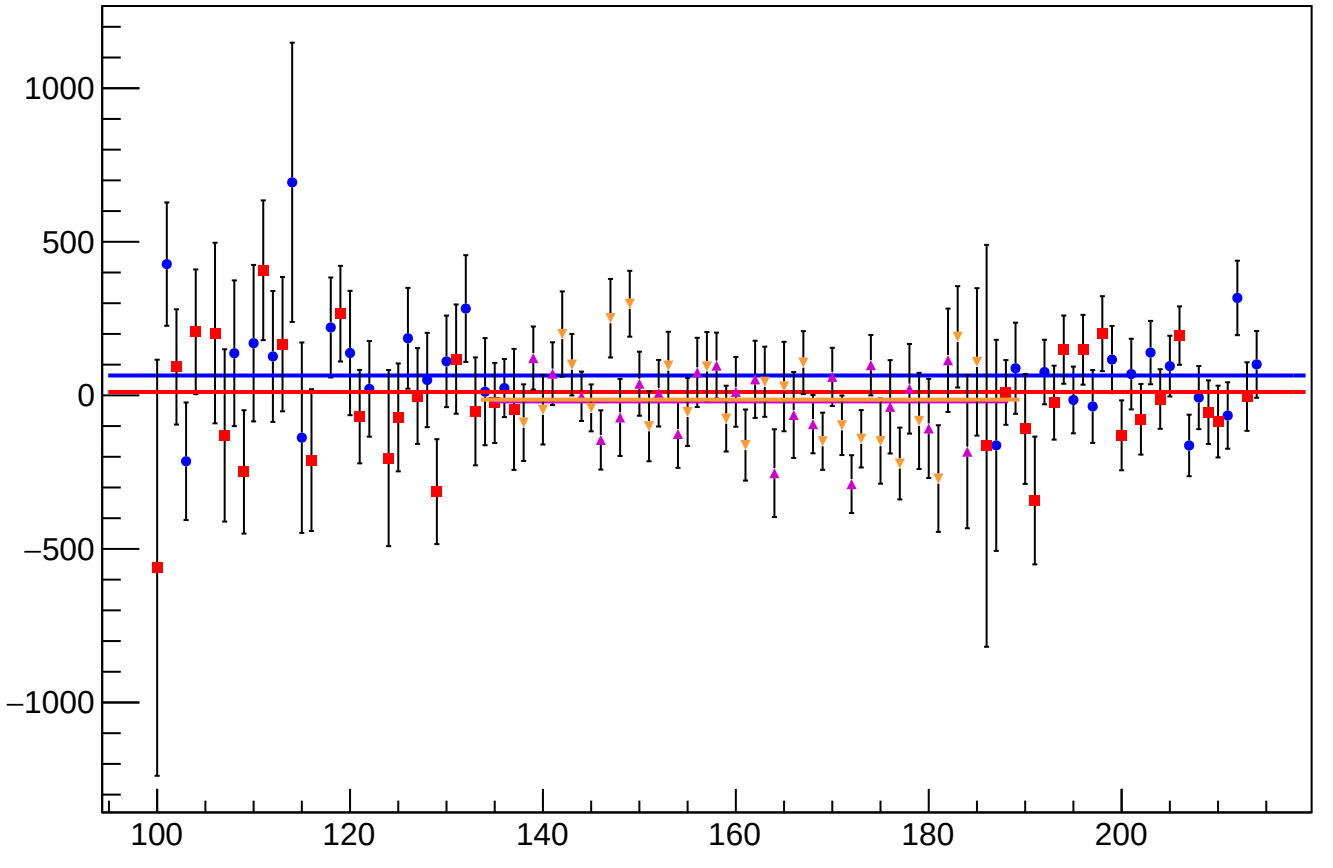
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 627.223+/-0.075 χ^2/NDF: 3581900.0/63

In: 540.526+/-0.065 χ^2/NDF:3127733.7/52

Out: 537.204+/-0.063 χ^2/NDF:4122081.4/58

All: 538.828+/-0.045 χ^2/NDF: 7251160.2/11



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

Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

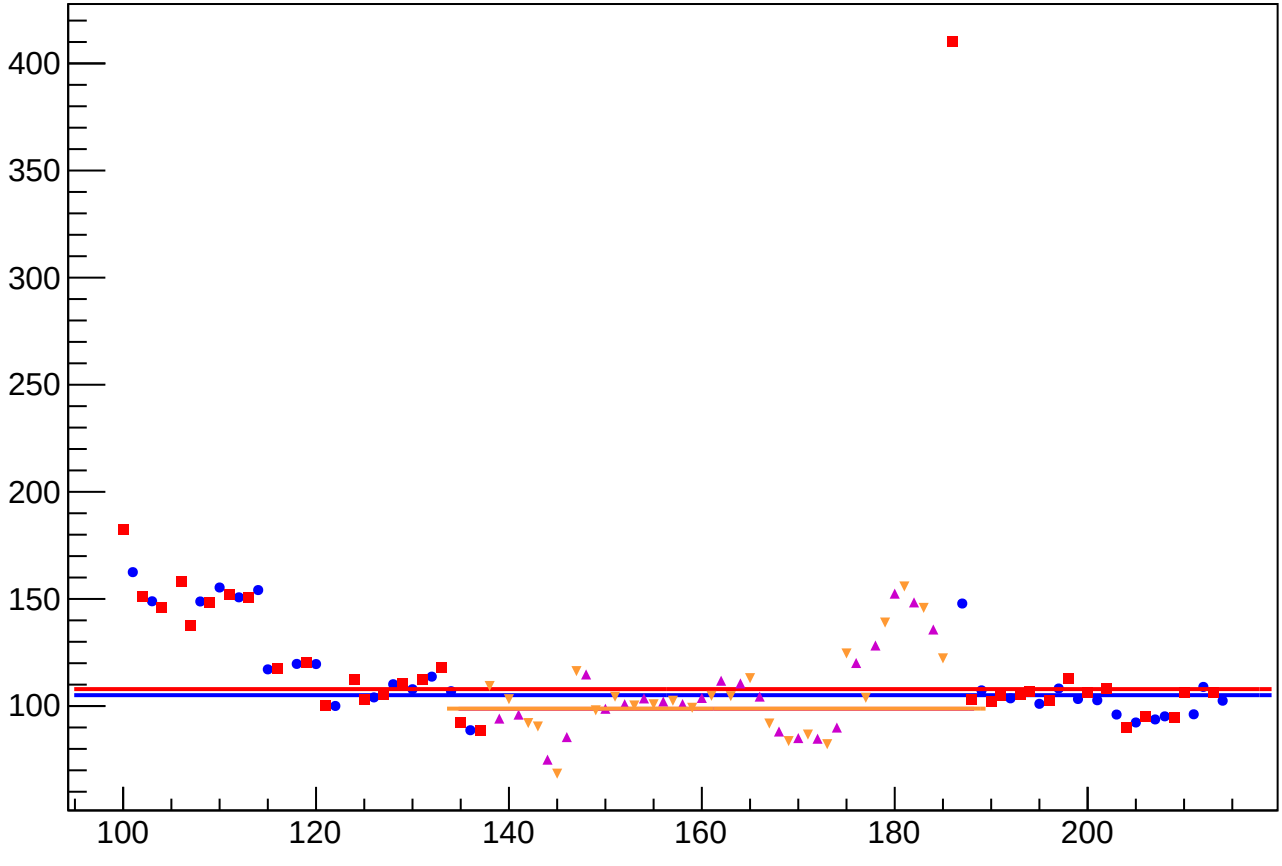
Right: 38.191+/-17.705 χ^2/NDF: 60.8/63

In: 20.167+/-17.109 χ^2/NDF:55.3/52

Out: -2.640+/-16.956 χ^2/NDF:69.5/58

All: 8.661+/-12.044 χ^2/NDF: 125.7/111

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

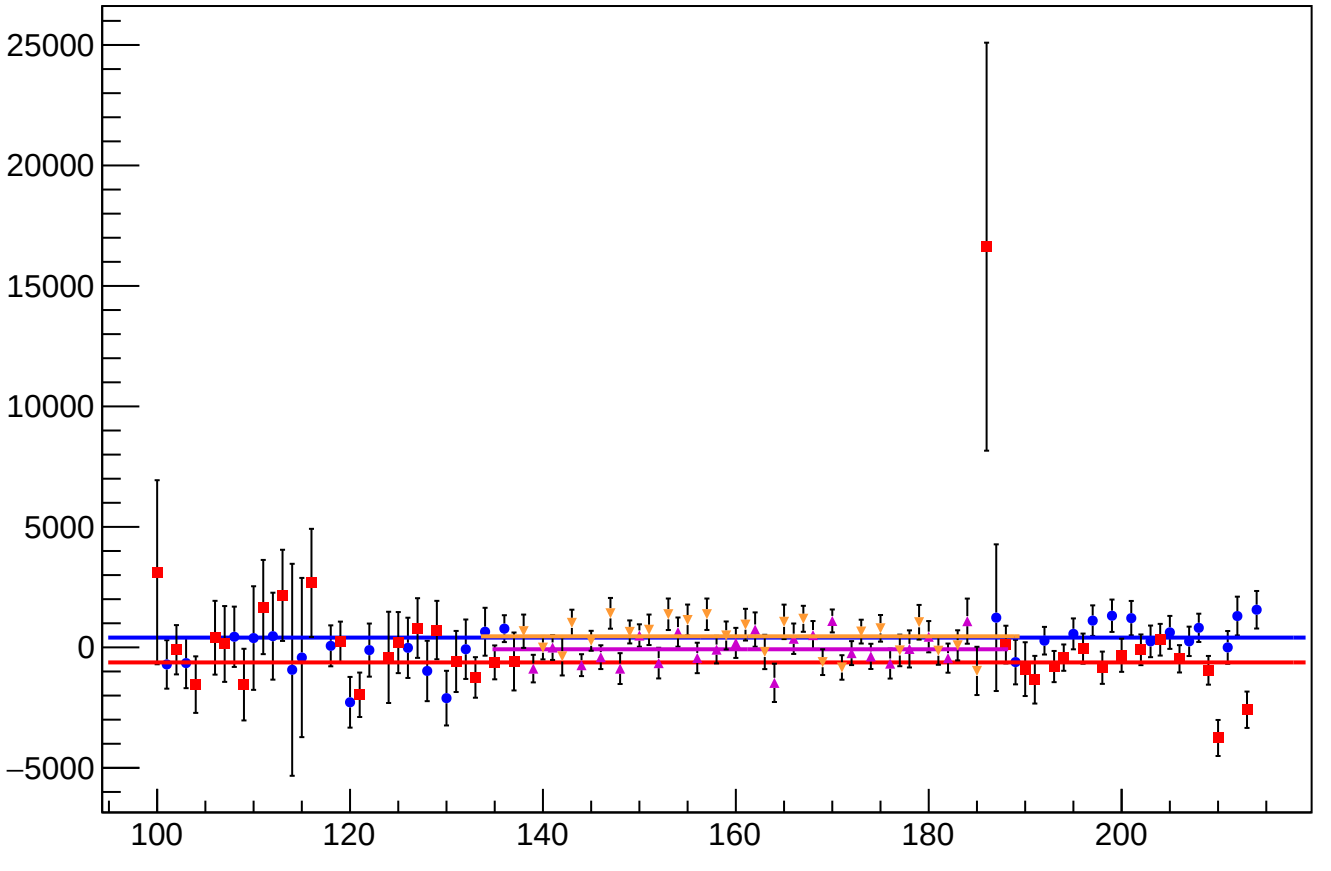
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 106.478+/-0.013 χ^2/NDF: 1963616.3/63

In: 101.704+/-0.012 χ^2/NDF:1833450.6/52

Out: 102.923+/-0.012 χ^2/NDF:2504073.3/58

All: 102.319+/-0.009 χ^2/NDF: 4342639.8/11



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

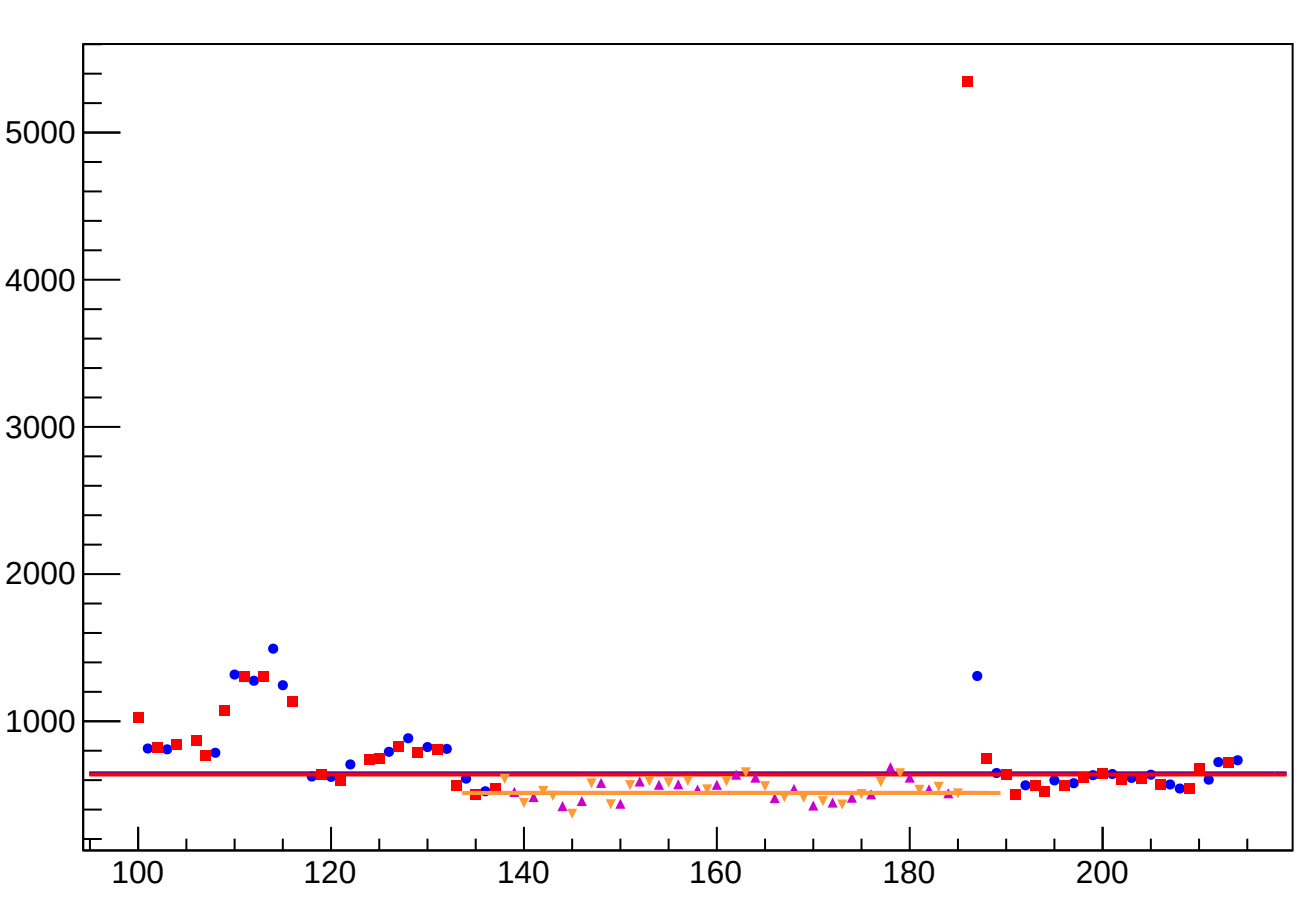
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -119.227+/-107.952 χ^2/NDF: 98.9/63

In: 106.782+/-95.390 χ^2/NDF:58.7/52

Out: 48.526+/-93.087 χ^2/NDF:112.4/58

All: 76.942+/-66.622 χ^2/NDF: 171.4/111



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

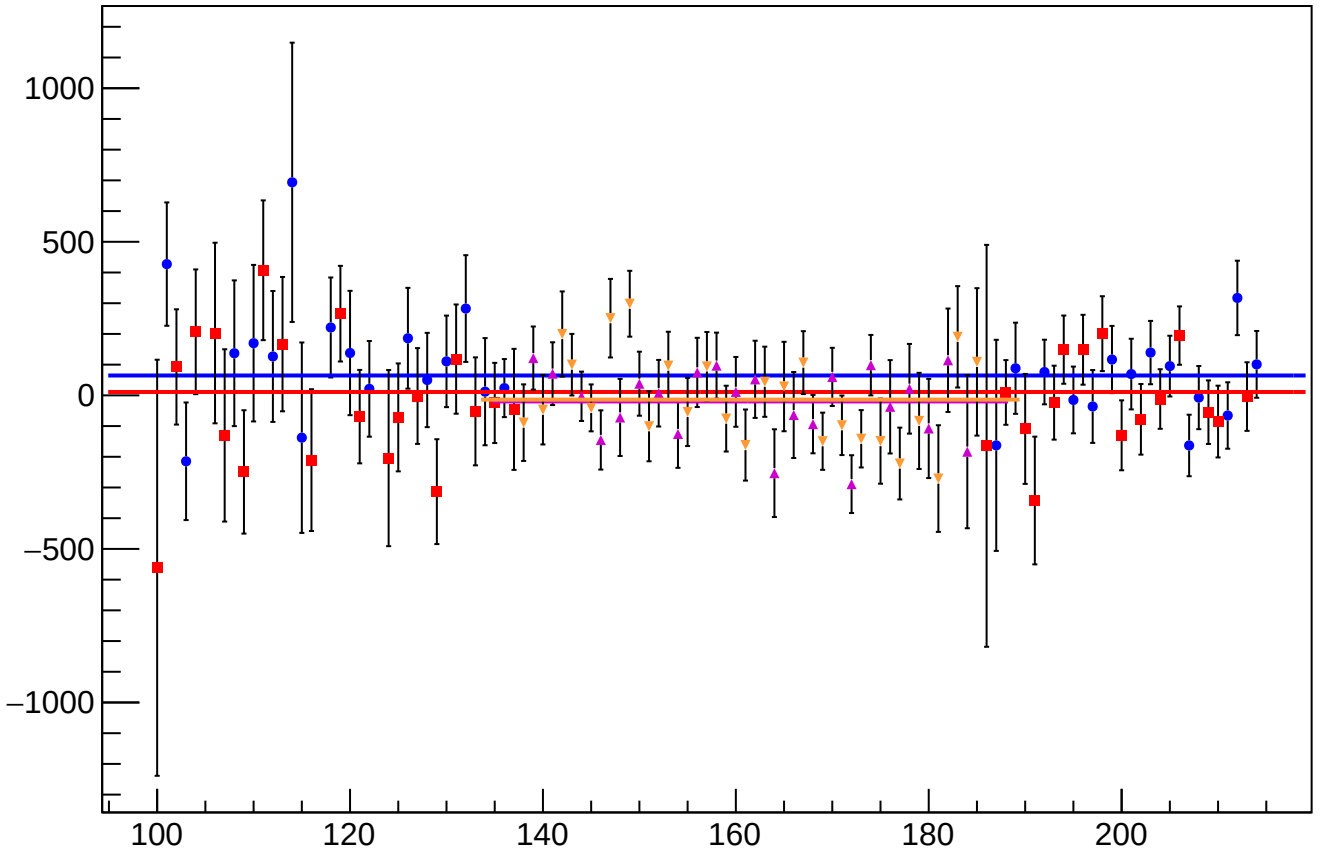
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 642.253+/-0.076 χ^2/NDF: 3478444.5/63

In: 564.188+/-0.067 χ^2/NDF:2867294.3/52

Out: 560.437+/-0.066 χ^2/NDF:3816252.3/58

All: 562.267+/-0.047 χ^2/NDF: 6685130.1/111



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

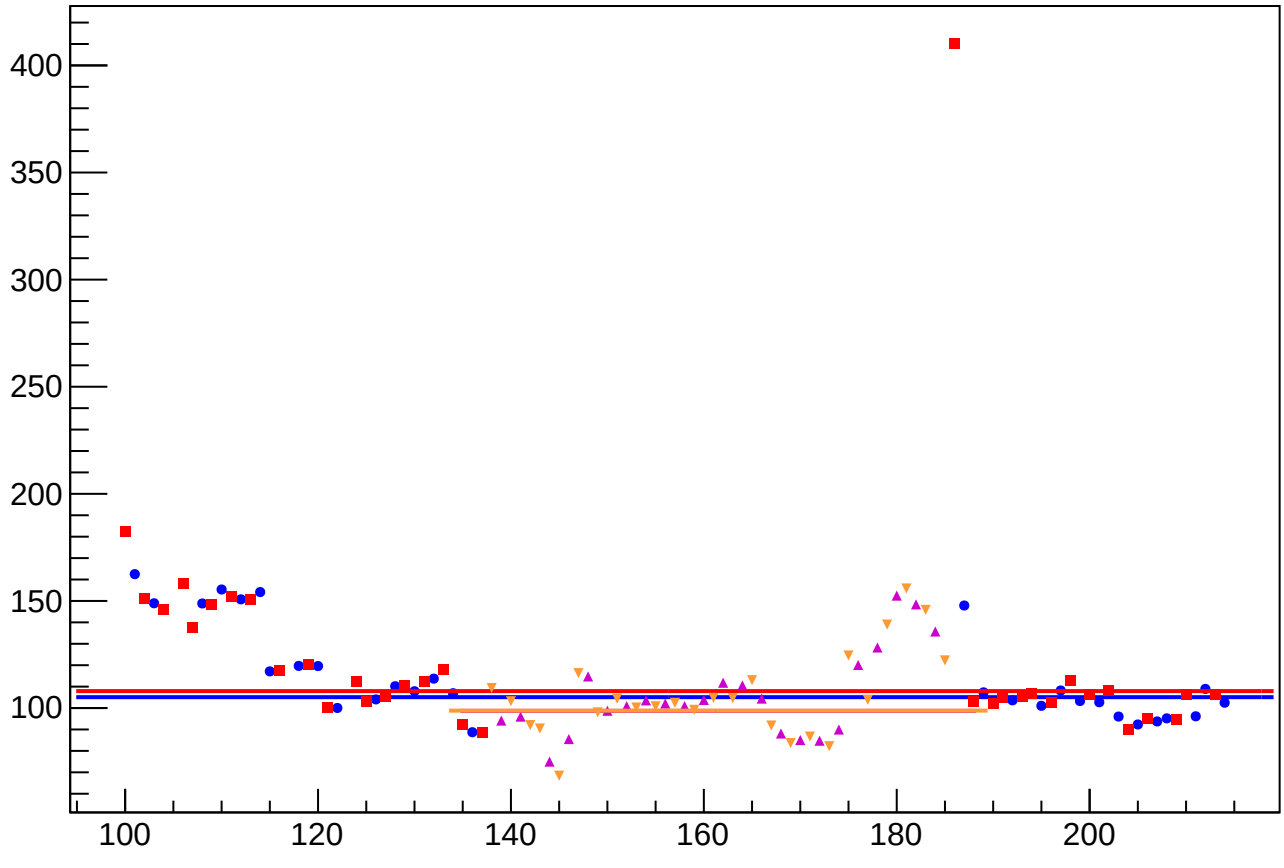
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 38.192+/-17.705 χ^2/NDF: 60.8/63

In: 20.167+/-17.109 χ^2/NDF:55.3/52

Out: -2.640+/-16.956 χ^2/NDF:69.5/58

All: 8.661+/-12.044 χ^2/NDF: 125.7/111



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

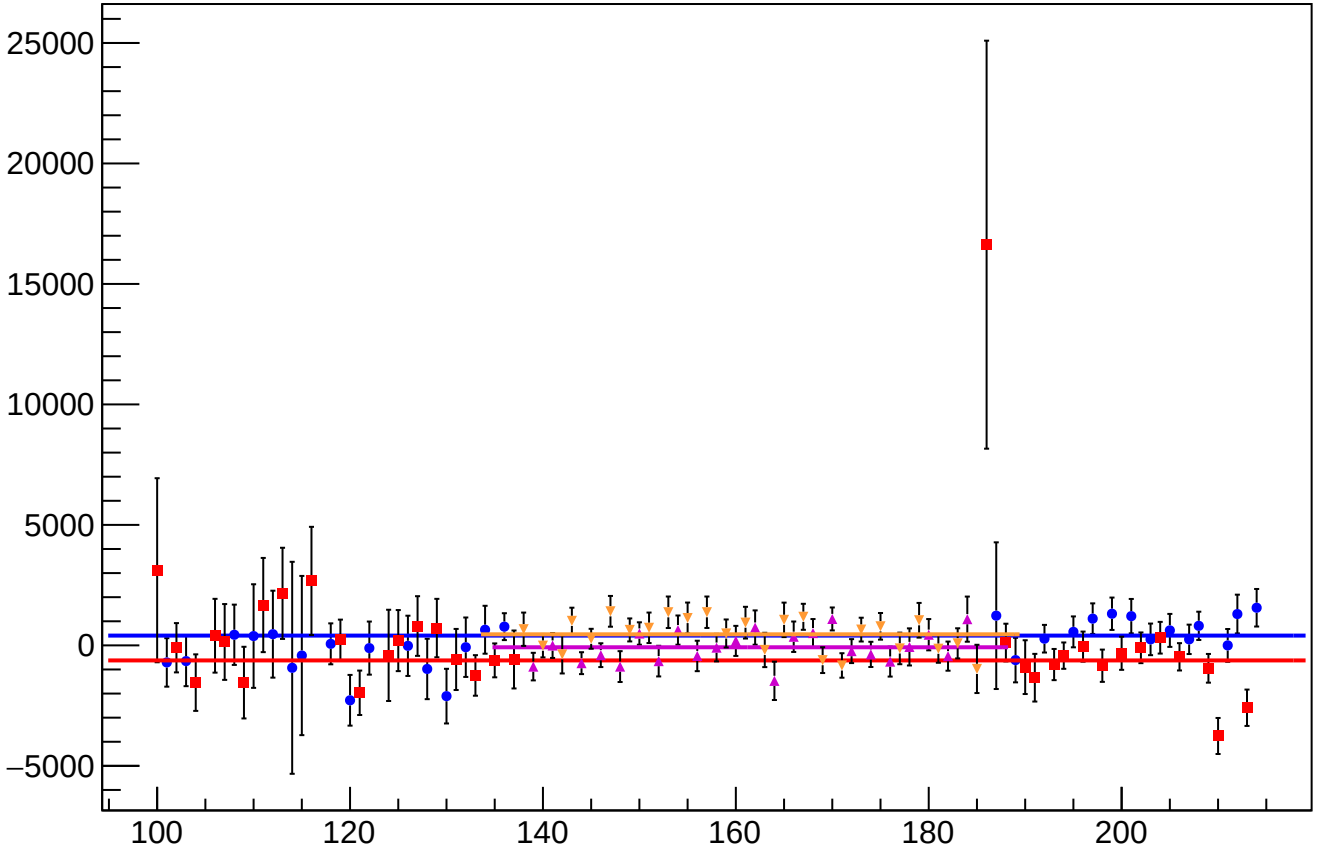
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 106.478+/-0.013 χ^2/NDF: 1963593.6/63

In: 101.705+/-0.012 χ^2/NDF:1833434.0/52

Out: 102.923+/-0.012 χ^2/NDF:2504068.4/58

All: 102.319+/-0.009 χ^2/NDF: 4342618.3/11



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

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

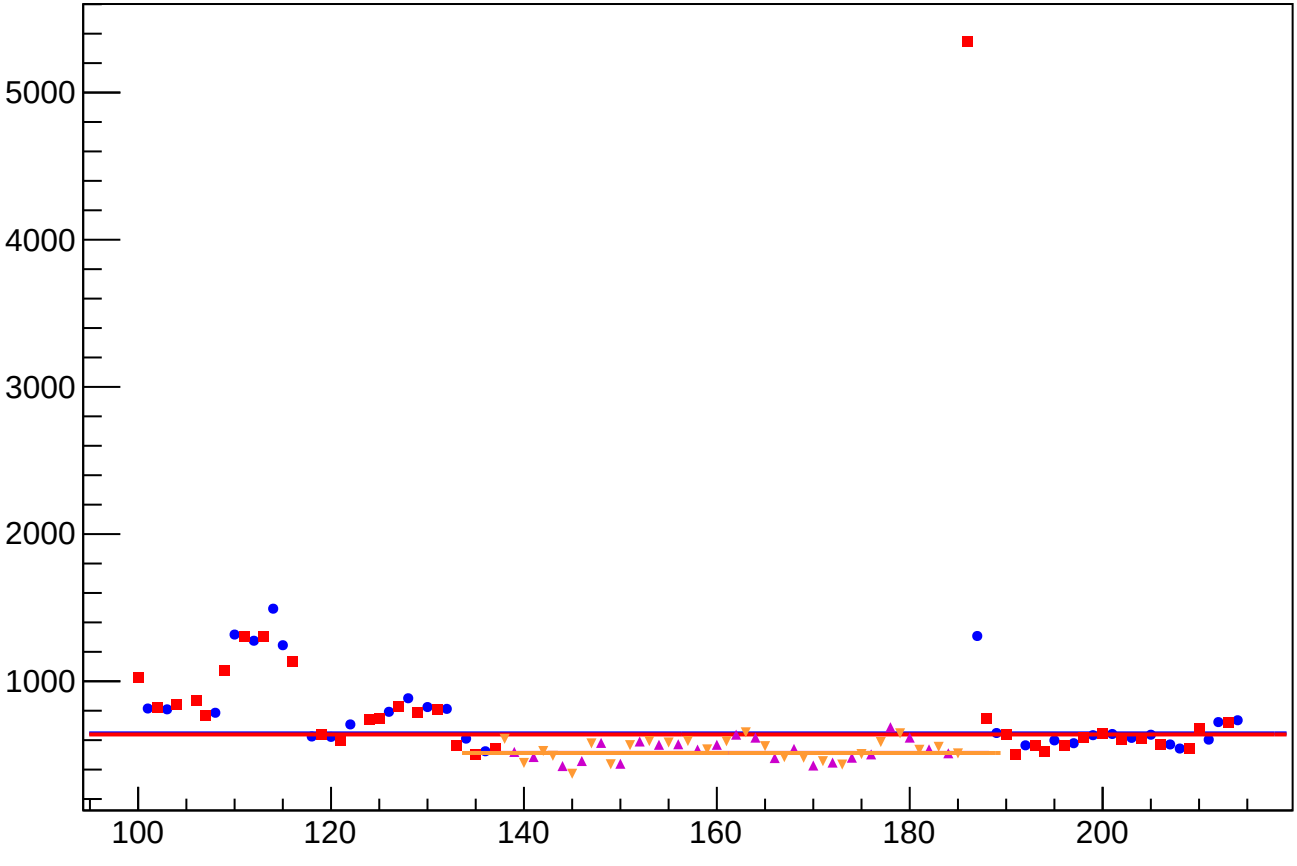
Right: -119.227+/-107.952 χ^2/NDF: 98.9/63

In: 106.782+/-95.390 χ^2/NDF:58.7/52

Out: 48.525+/-93.087 χ^2/NDF:112.4/58

All: 76.942+/-66.622 χ^2/NDF: 171.4/111

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

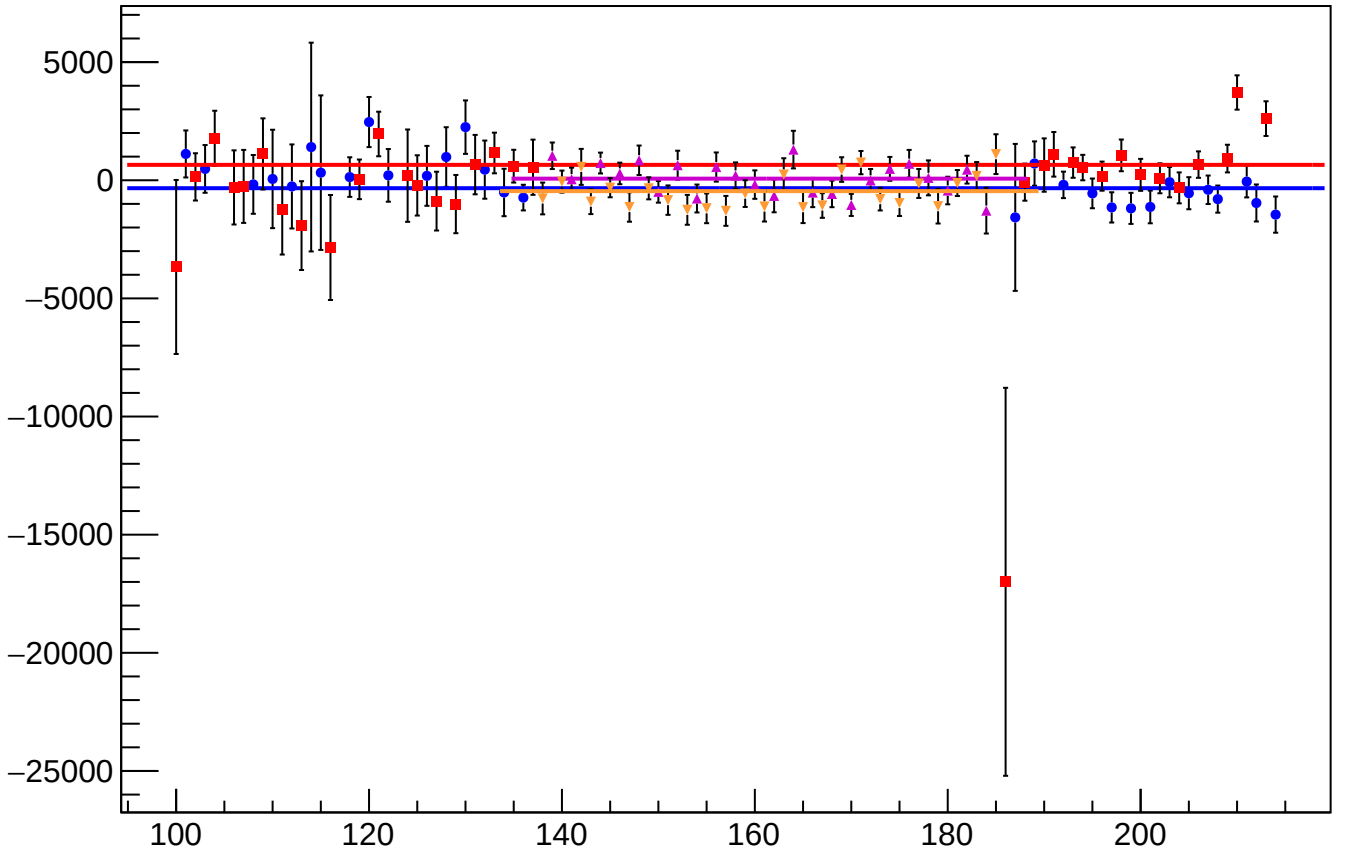
Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

Right: 642.252+/-0.076 χ^2/NDF: 3478438.0/63

In: 564.187+/-0.067 χ^2/NDF:2867283.0/52

Out: 560.437+/-0.066 χ^2/NDF:3816238.6/58

All: 562.266+/-0.047 χ^2/NDF: 6685105.1/111



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

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

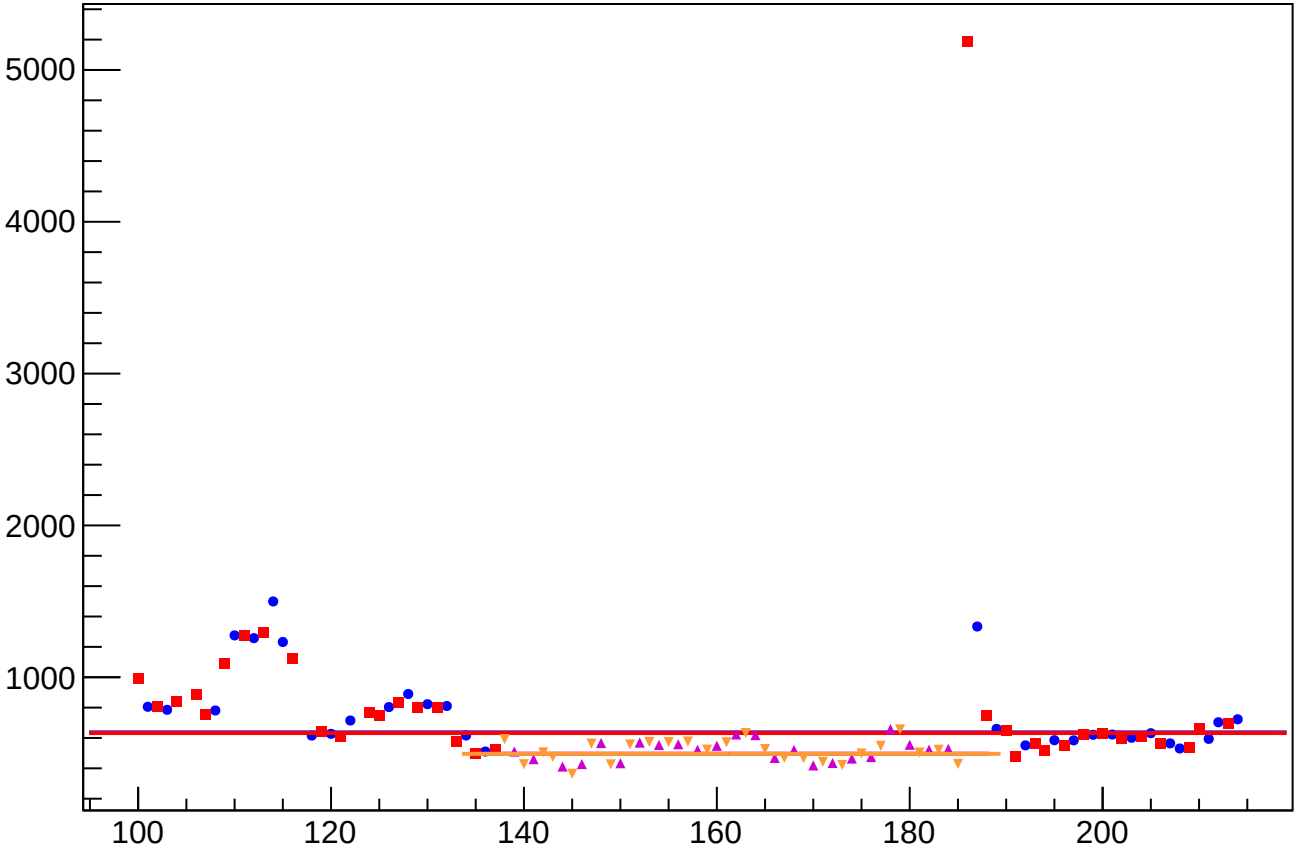
Right: 164.690+/-106.737 χ^2/NDF: 100.1/63

In: -82.795+/-92.899 χ^2/NDF:61.1/52

Out: -51.611+/-90.858 χ^2/NDF:116.2/58

All: -66.857+/-64.956 χ^2/NDF: 177.4/111

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

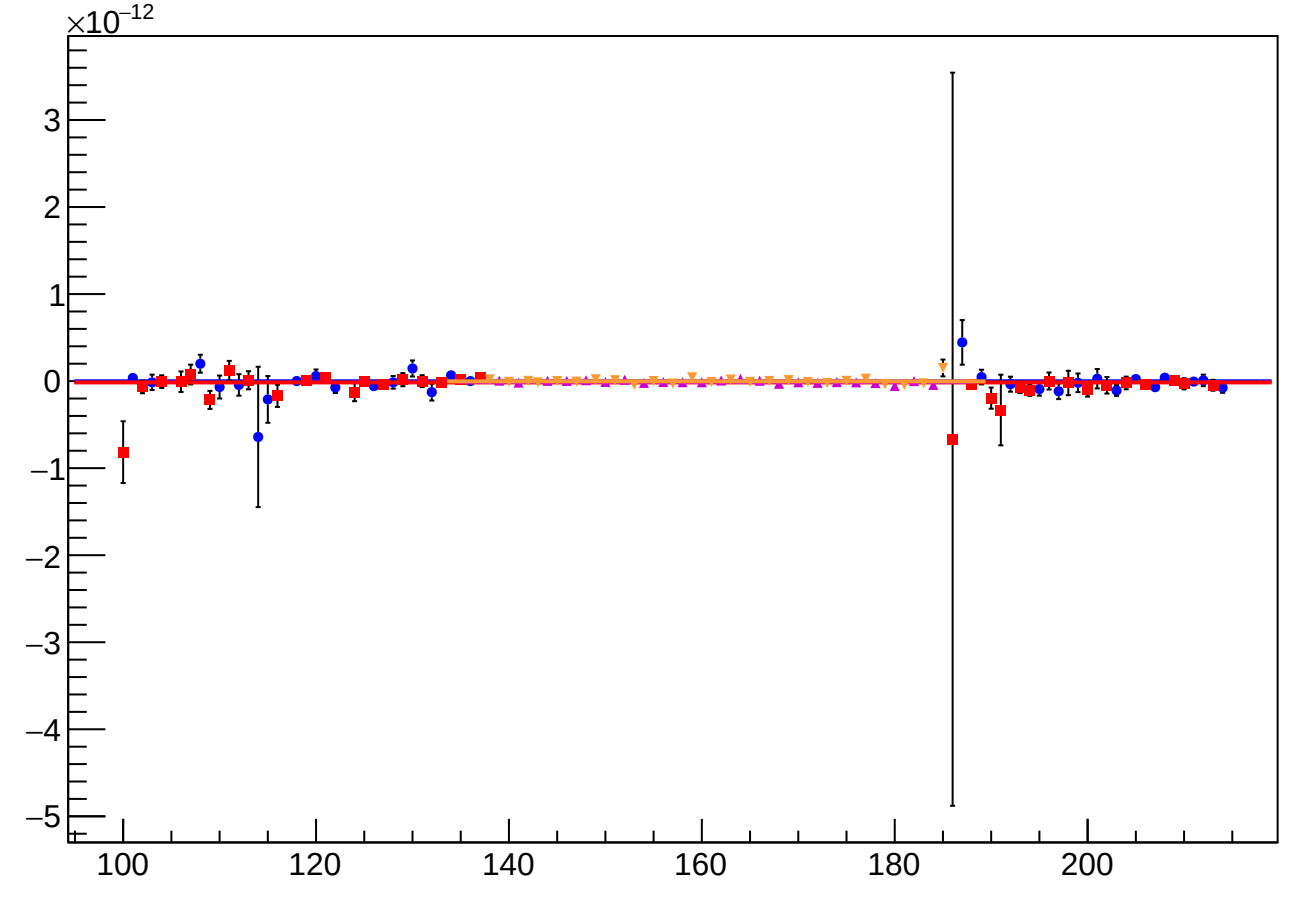
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 634.477+/-0.075 χ^2/NDF: 3562088.2/63

In: 548.707+/-0.066 χ^2/NDF:3049419.1/52

Out: 545.802+/-0.064 χ^2/NDF:4061420.2/58

All: 547.223+/-0.046 χ^2/NDF: 7111839.0/11



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

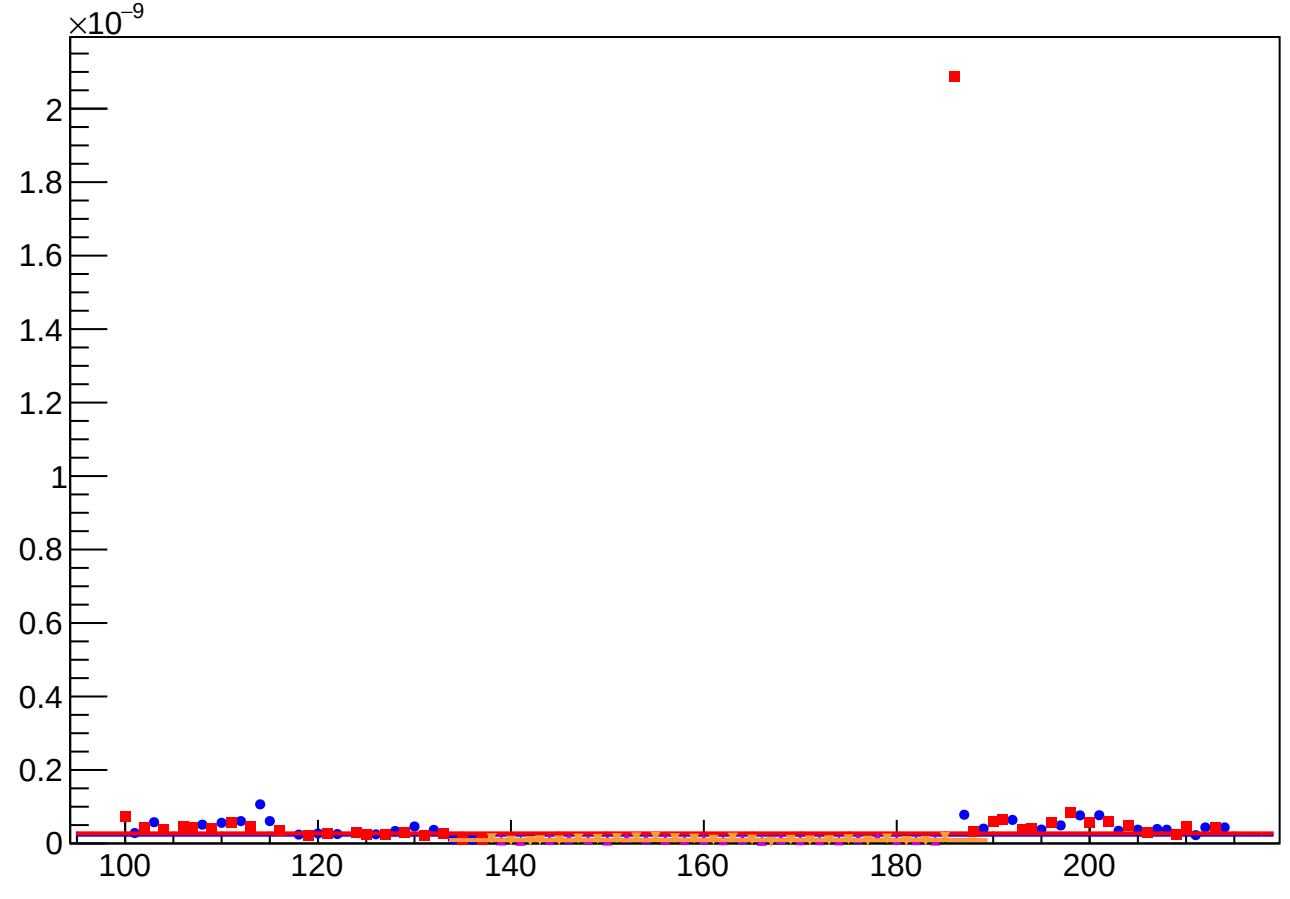
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 58.8/63

In: -0.000+/-0.000 χ^2/NDF:47.3/52

Out: -0.000+/-0.000 χ^2/NDF:53.0/58

All: -0.000+/-0.000 χ^2/NDF: 100.7/111



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

Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

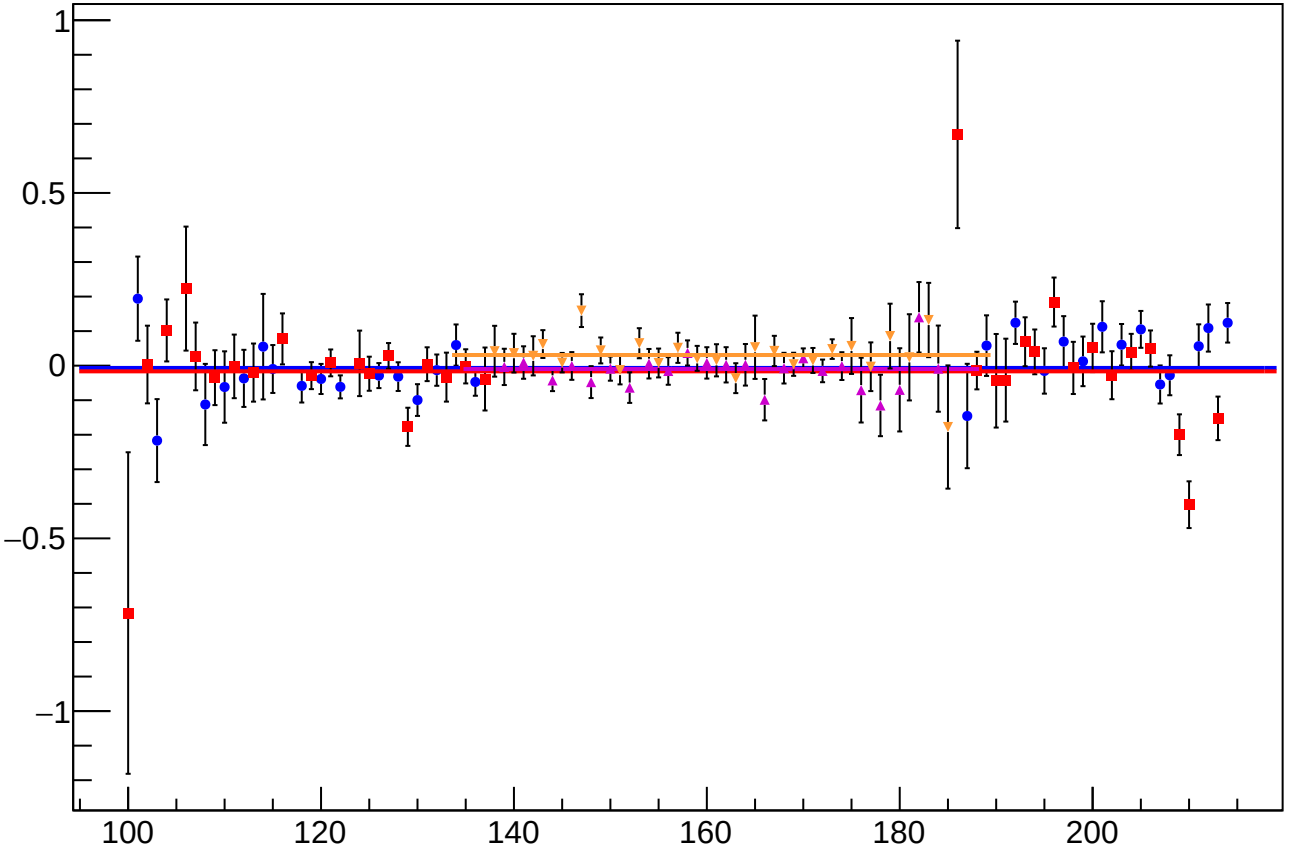
Right: 0.000+/-0.000 χ^2/NDF: 10179060.2/63

In: 0.000+/-0.000 χ^2/NDF:9950282.0/52

Out: 0.000+/-0.000 χ^2/NDF:11560484.2/58

All: 0.000+/-0.000 χ^2/NDF: 21537953.6/111

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

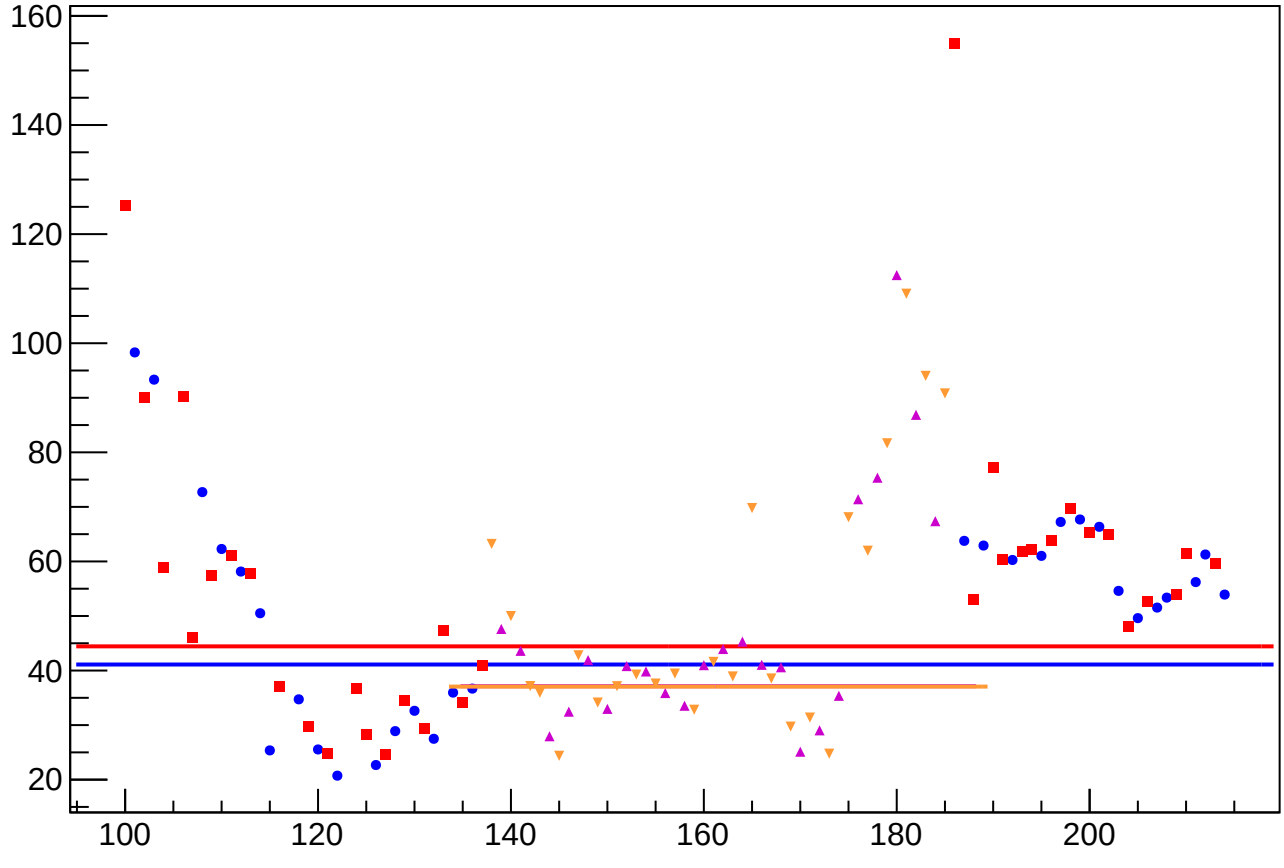
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.011+/-0.008 χ^2/NDF: 130.2/63

In: -0.008+/-0.007 χ^2/NDF:57.3/52

Out: 0.012+/-0.007 χ^2/NDF:114.6/58

All: 0.002+/-0.005 χ^2/NDF: 175.9/111



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

Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

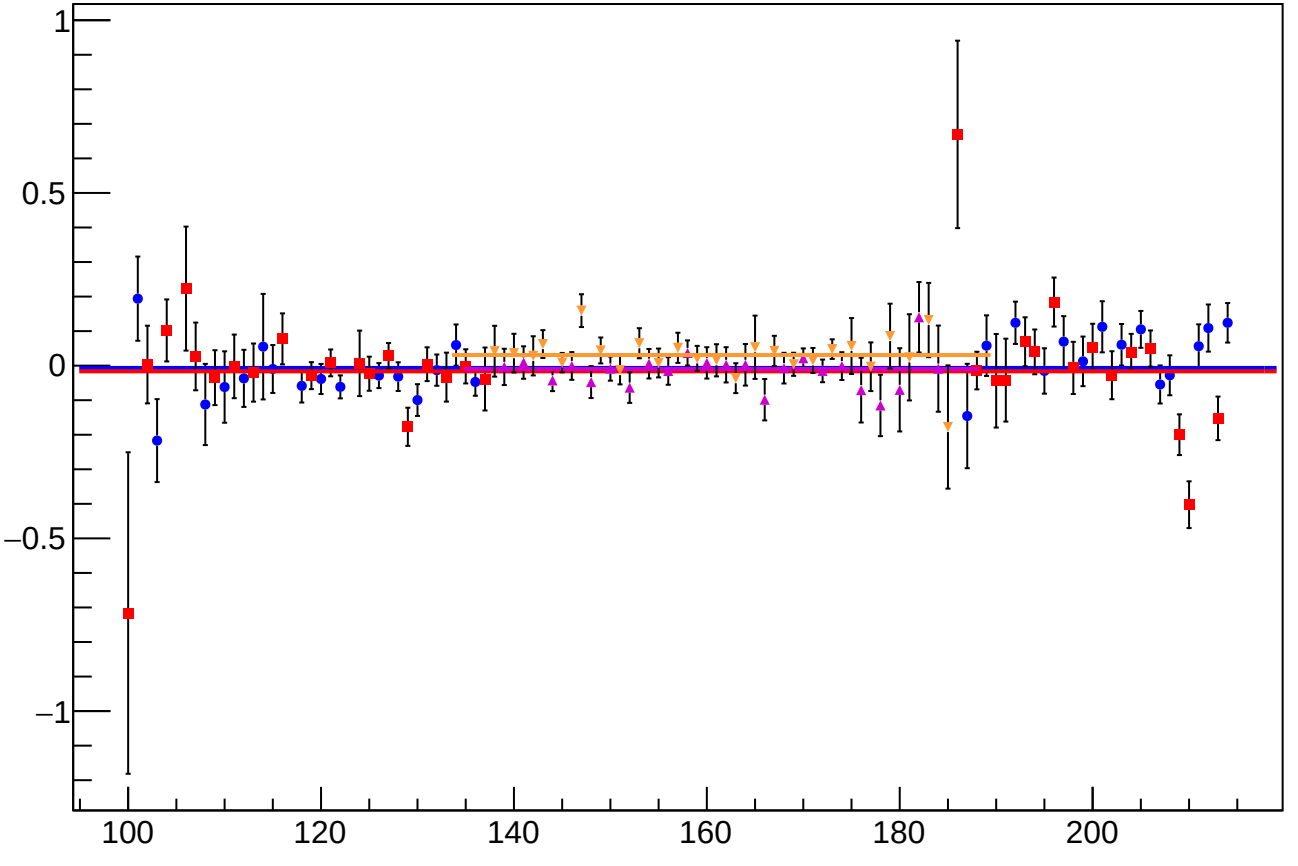
Right: 42.686+/-0.005 χ^2/NDF: 9951740.2/63

In: 38.887+/-0.005 χ^2/NDF:8442417.7/52

Out: 40.043+/-0.005 χ^2/NDF:9168990.1/58

All: 39.462+/-0.004 χ^2/NDF: 17638483.1/111

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

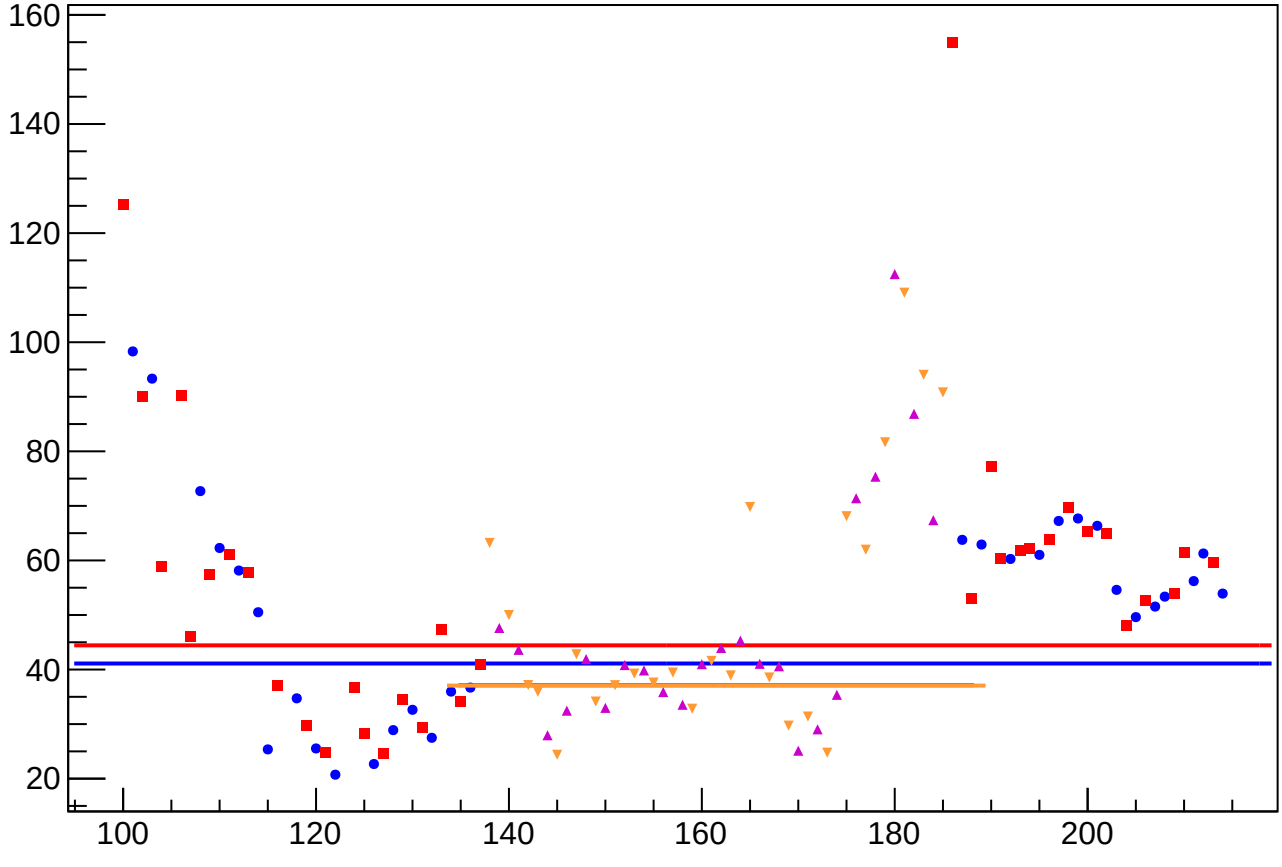
Right: -0.011+/-0.008 χ^2/NDF: 130.2/63

In: -0.008+/-0.007 χ^2/NDF:57.3/52

Out: 0.012+/-0.007 χ^2/NDF:114.6/58

All: 0.002+/-0.005 χ^2/NDF: 175.9/111

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

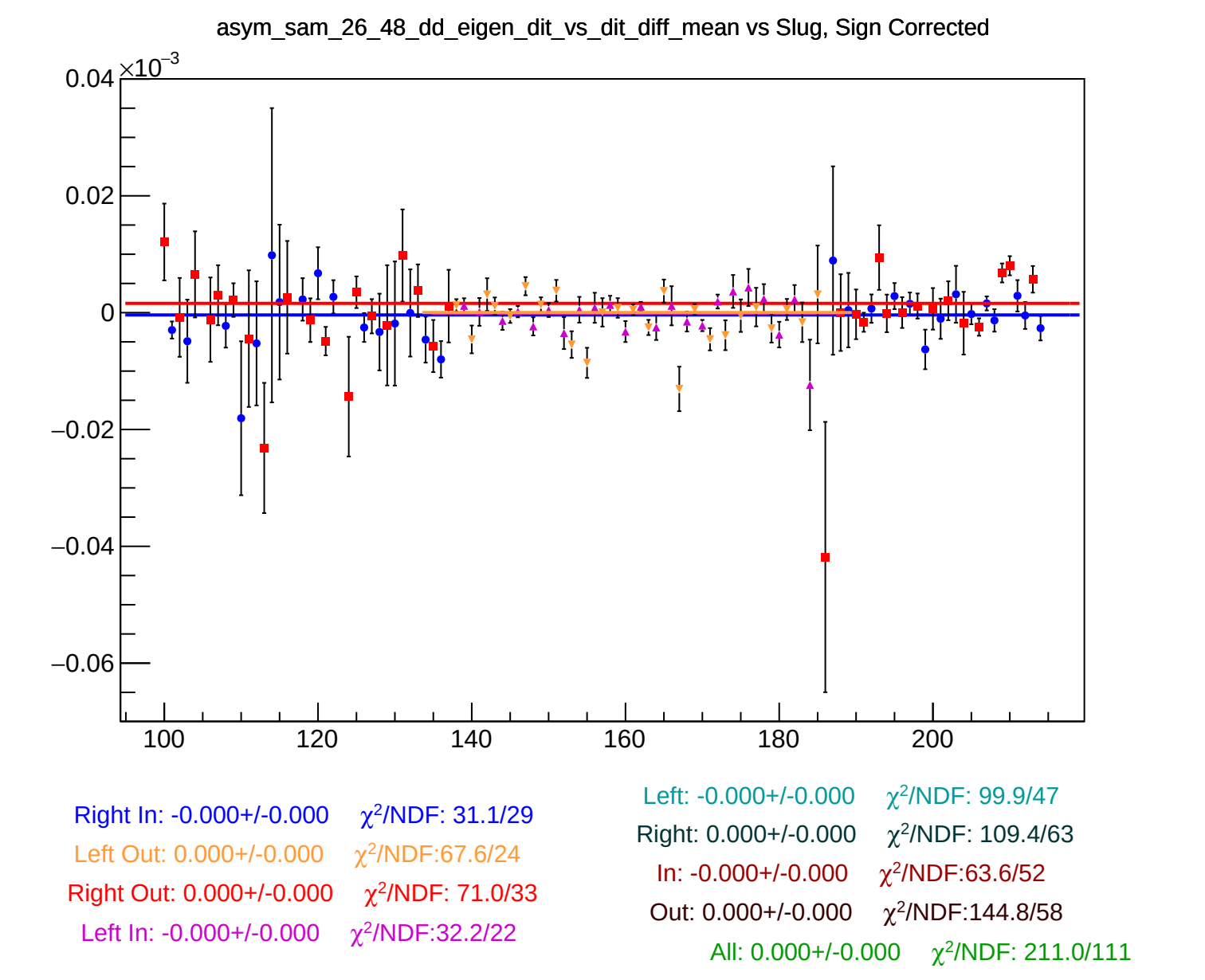
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

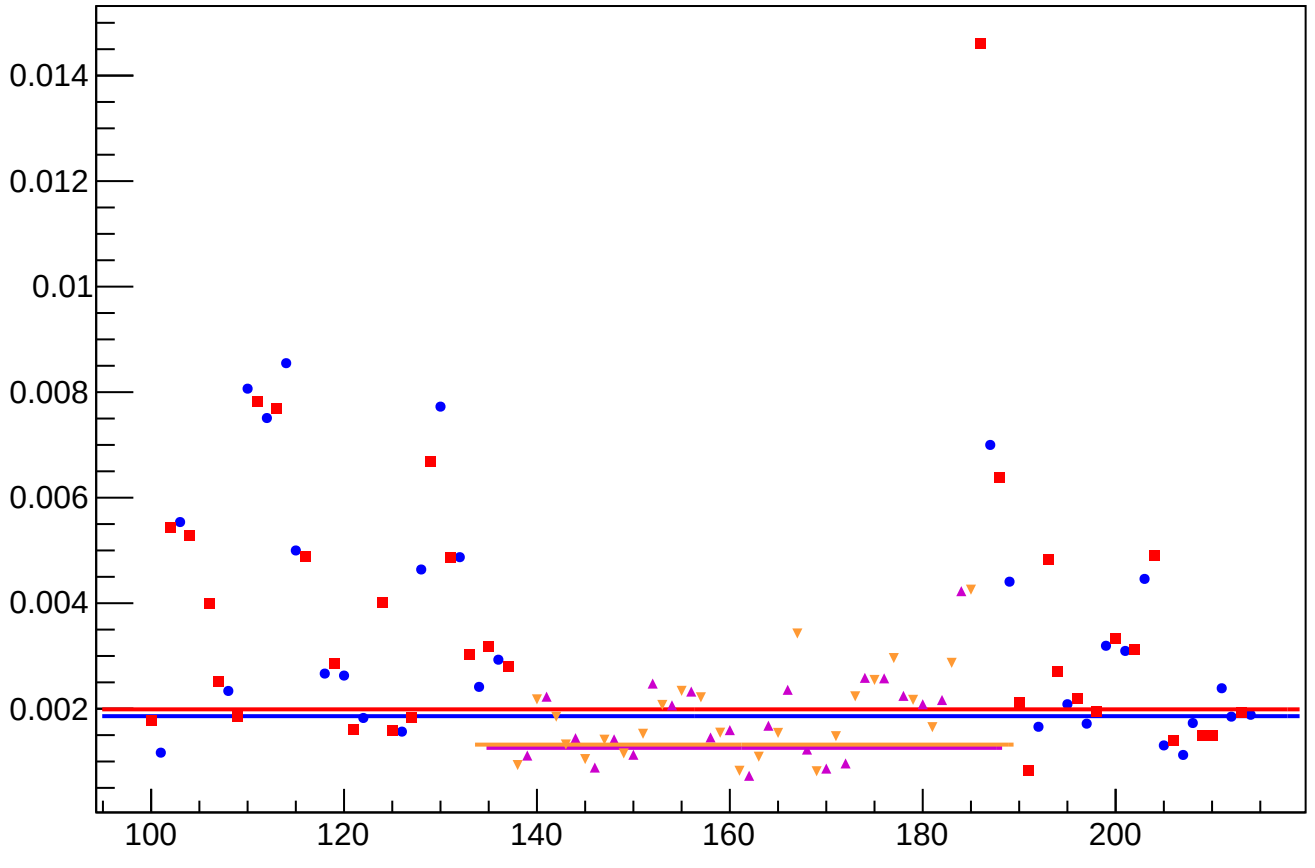
Right: 42.686+/-0.005 χ^2/NDF: 9951740.2/63

In: 38.887+/-0.005 χ^2/NDF:8442417.7/52

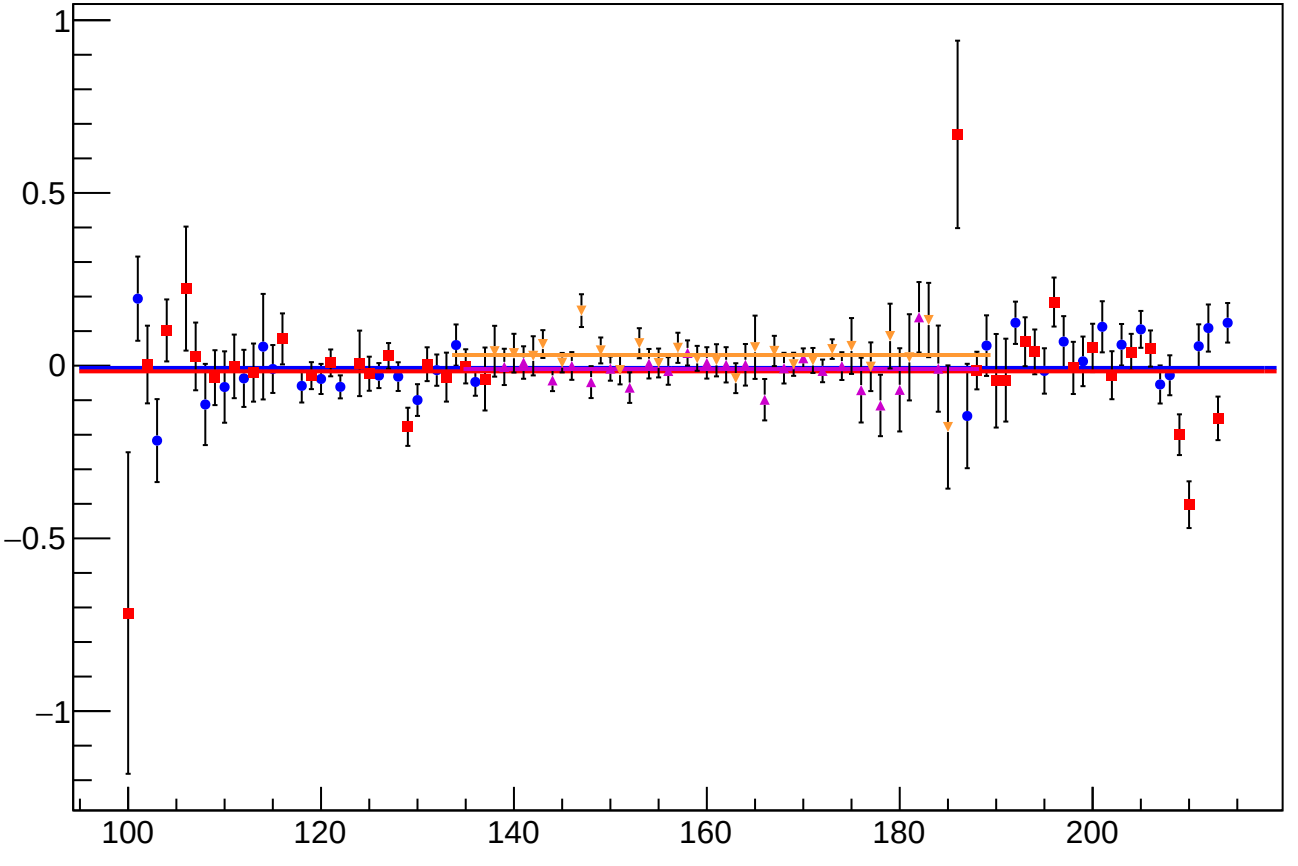
Out: 40.043+/-0.005 χ^2/NDF:9168990.1/58

All: 39.462+/-0.004 χ^2/NDF: 17638483.1/111


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
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
Left: -0.000+/-0.000 χ²/NDF: 99.9/47
Right: 0.000+/-0.000 χ²/NDF: 109.4/63
In: -0.000+/-0.000 χ²/NDF:63.6/52
Out: 0.000+/-0.000 χ²/NDF:144.8/58
All: 0.000+/-0.000 χ²/NDF: 211.0/111


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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: 6775183.0/29
Left Out: 0.001+/-0.000 χ²/NDF:5632532.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 8502465.1/33
Left In: 0.001+/-0.000 χ²/NDF:5369001.1/22
Left: 0.001+/-0.000 χ²/NDF: 11036327.2/47
Right: 0.002+/-0.000 χ²/NDF: 15339239.3/63
In: 0.001+/-0.000 χ²/NDF:14139537.5/52
Out: 0.002+/-0.000 χ²/NDF:16376894.3/58
All: 0.001+/-0.000 χ²/NDF: 30574103.9/111

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

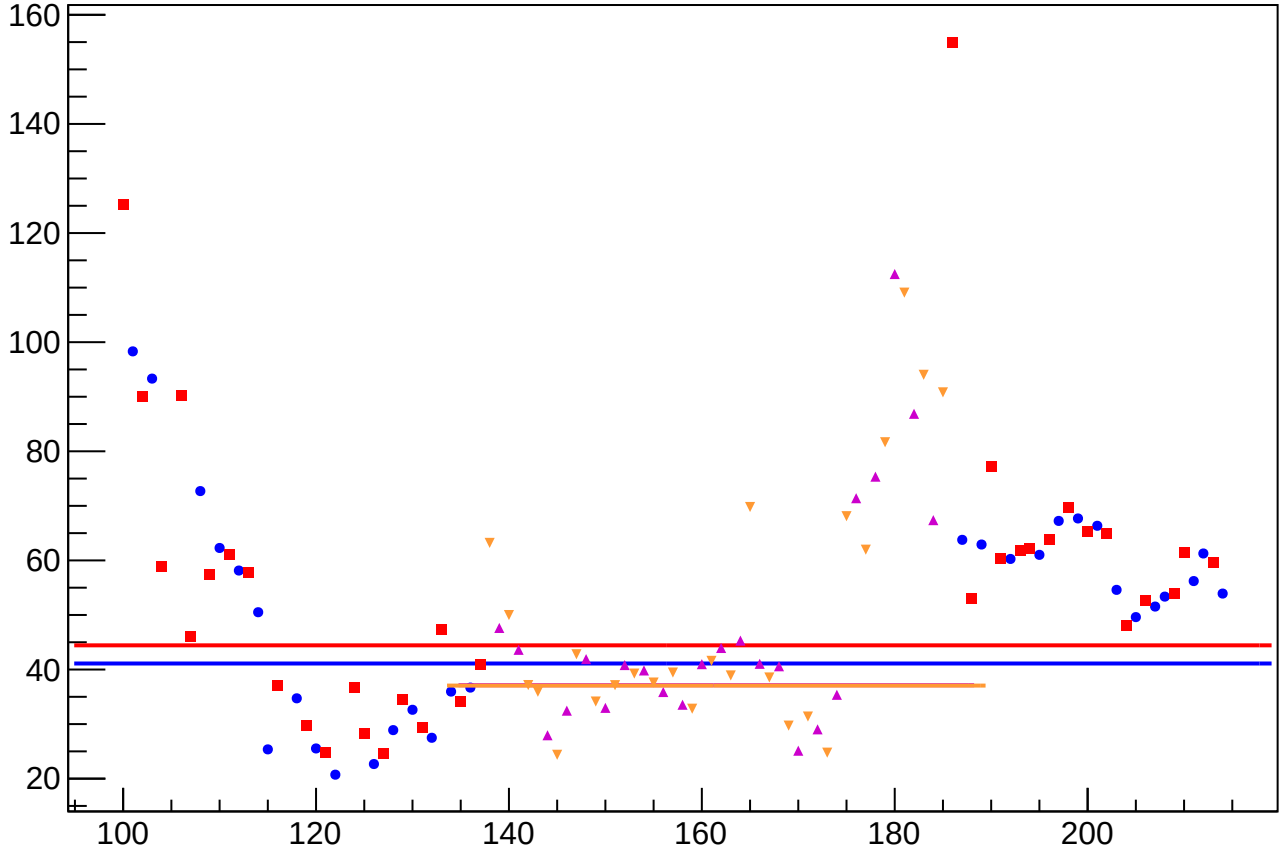
Right: -0.011+/-0.008 χ^2/NDF: 130.2/63

In: -0.008+/-0.007 χ^2/NDF:57.3/52

Out: 0.012+/-0.007 χ^2/NDF:114.5/58

All: 0.002+/-0.005 χ^2/NDF: 175.9/111

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

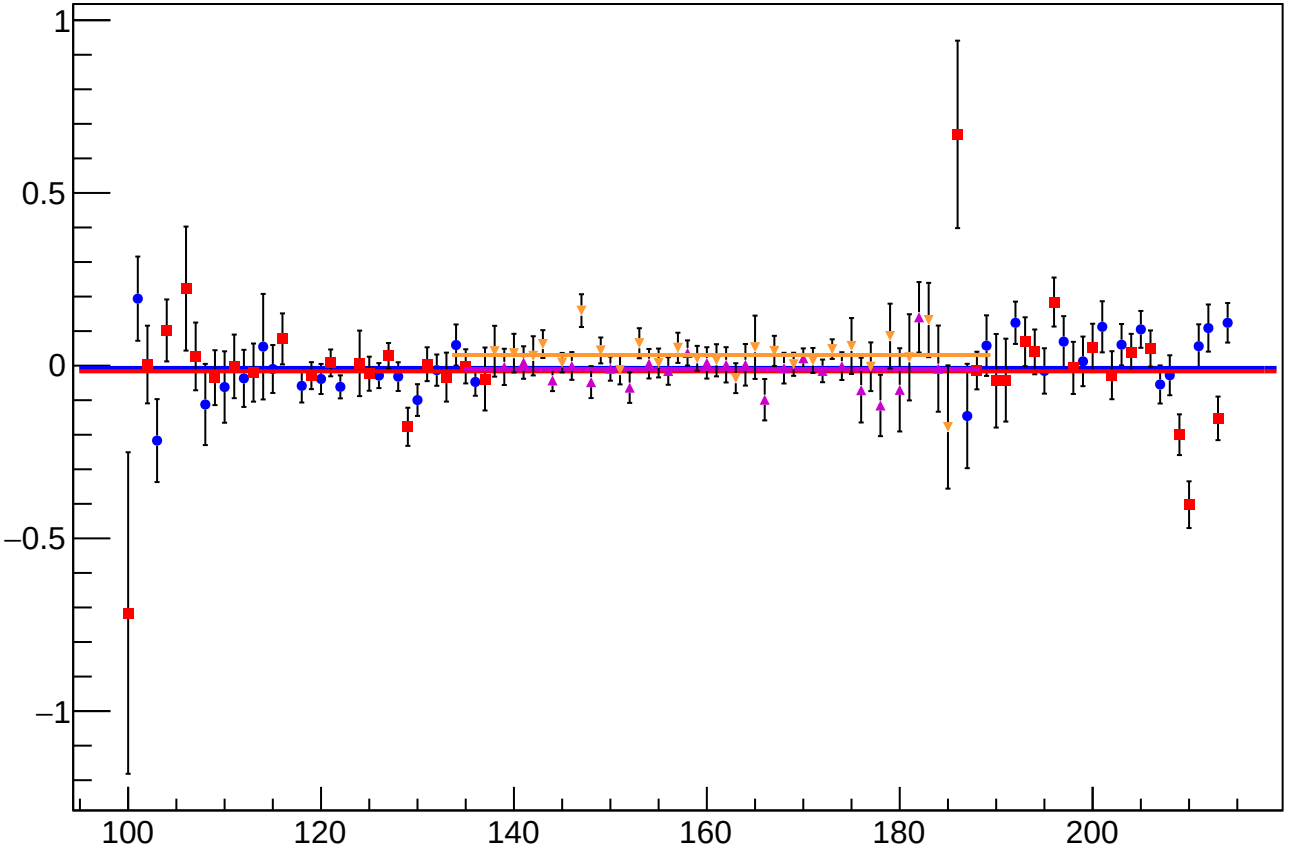
Right: 42.686+/-0.005 χ^2/NDF: 9951399.3/63

In: 38.888+/-0.005 χ^2/NDF:8442292.0/52

Out: 40.043+/-0.005 χ^2/NDF:9168839.7/58

All: 39.462+/-0.004 χ^2/NDF: 17638207.8/111

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

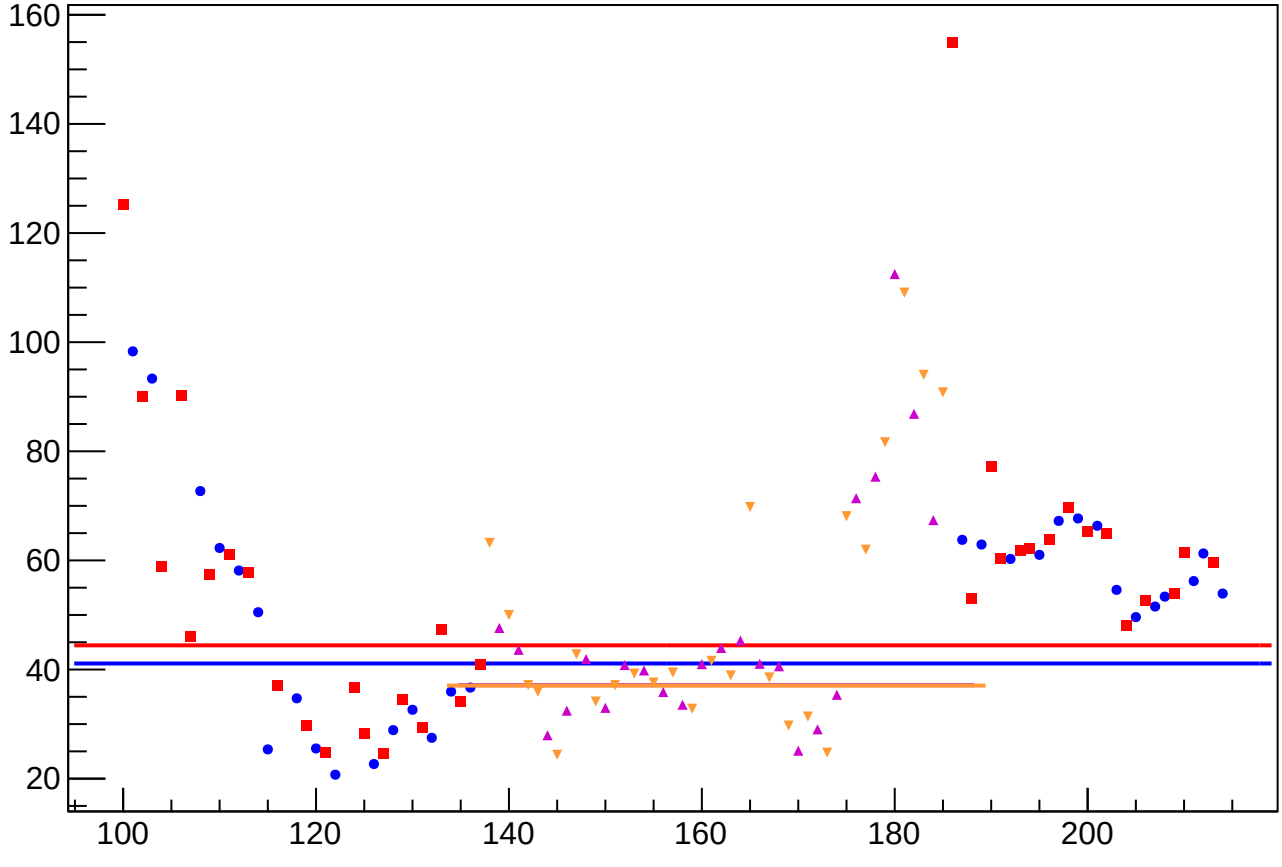
Right: -0.011+/-0.008 χ^2/NDF: 130.2/63

In: -0.008+/-0.007 χ^2/NDF:57.3/52

Out: 0.012+/-0.007 χ^2/NDF:114.5/58

All: 0.002+/-0.005 χ^2/NDF: 175.9/111

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

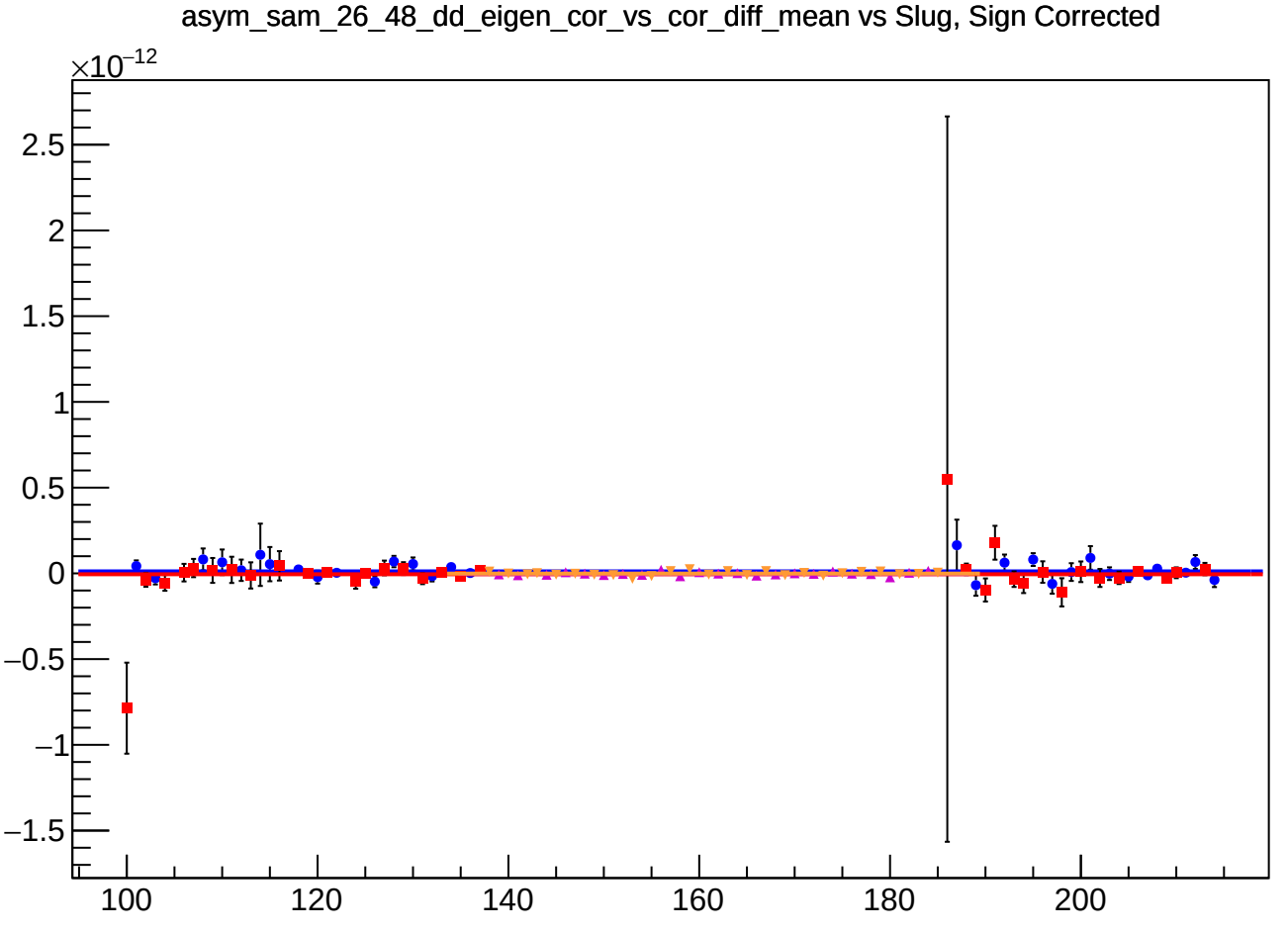
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 42.686+/-0.005 χ^2/NDF: 9951399.3/63

In: 38.888+/-0.005 χ^2/NDF:8442292.0/52

Out: 40.043+/-0.005 χ^2/NDF:9168839.7/58

All: 39.462+/-0.004 χ^2/NDF: 17638207.8/111



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

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

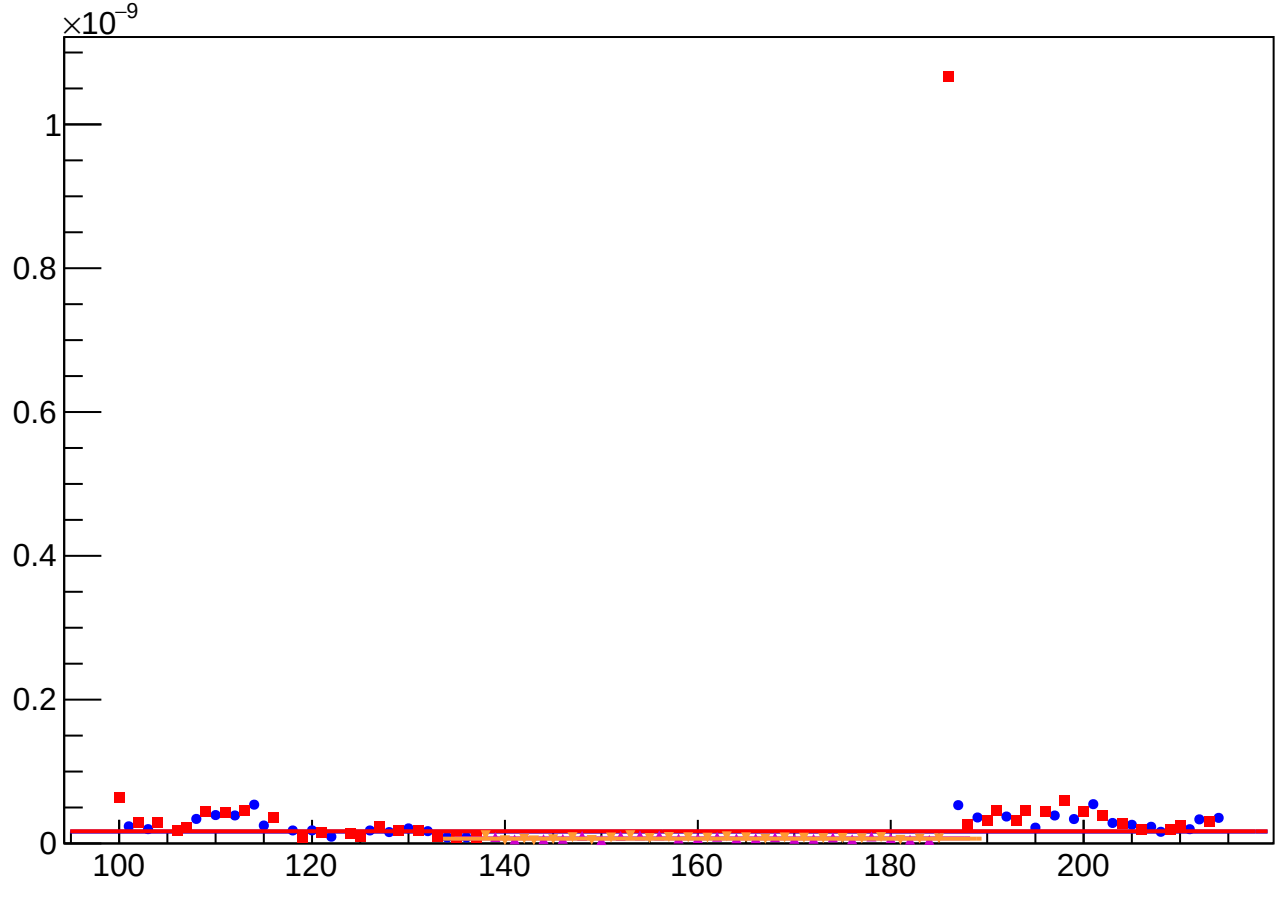
Right: 0.000+/-0.000 χ^2/NDF: 66.8/63

In: -0.000+/-0.000 χ^2/NDF:59.8/52

Out: -0.000+/-0.000 χ^2/NDF:55.8/58

All: -0.000+/-0.000 χ^2/NDF: 115.7/111

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

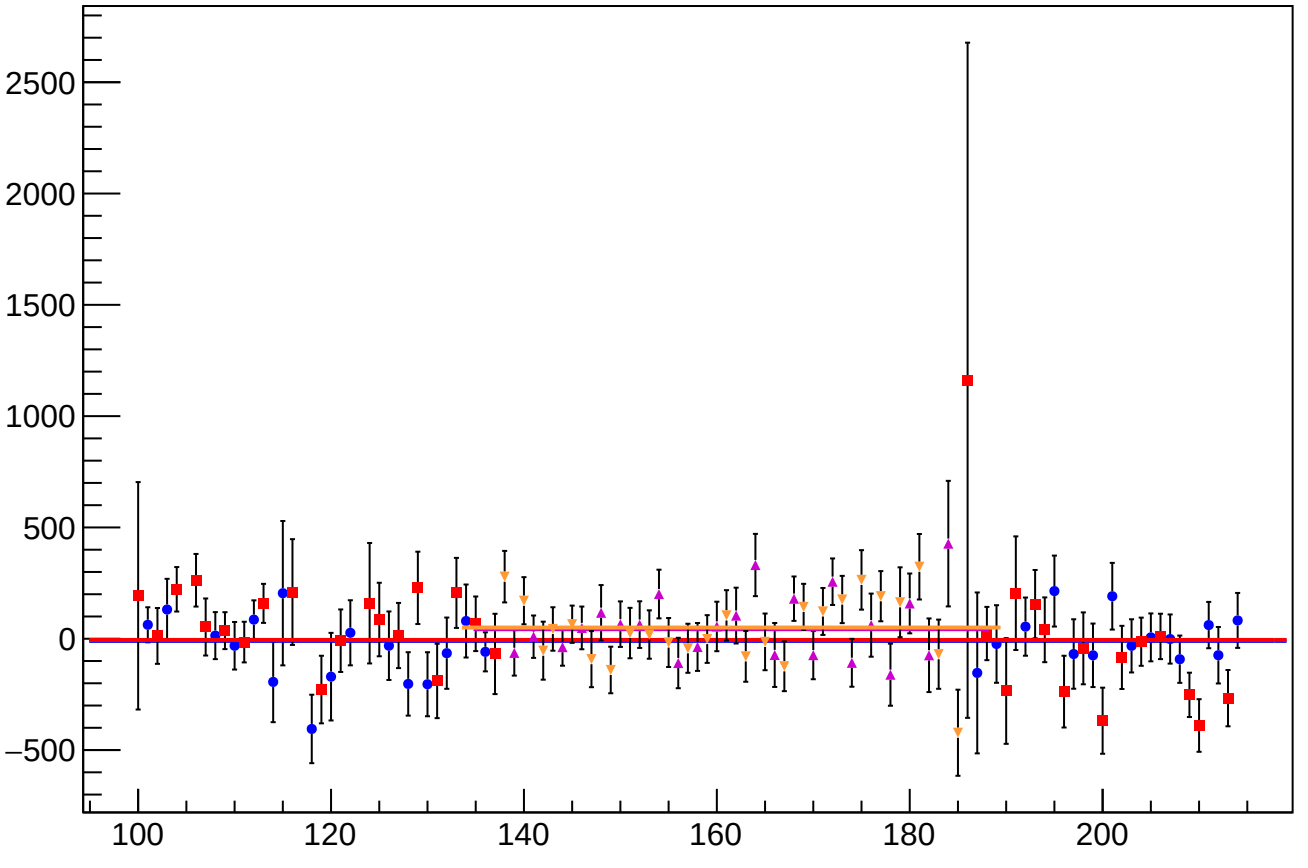
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13801581.5/63

In: 0.000+/-0.000 χ^2/NDF:12838643.8/52

Out: 0.000+/-0.000 χ^2/NDF:15681140.9/58

All: 0.000+/-0.000 χ^2/NDF: 28597310.3/111



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

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

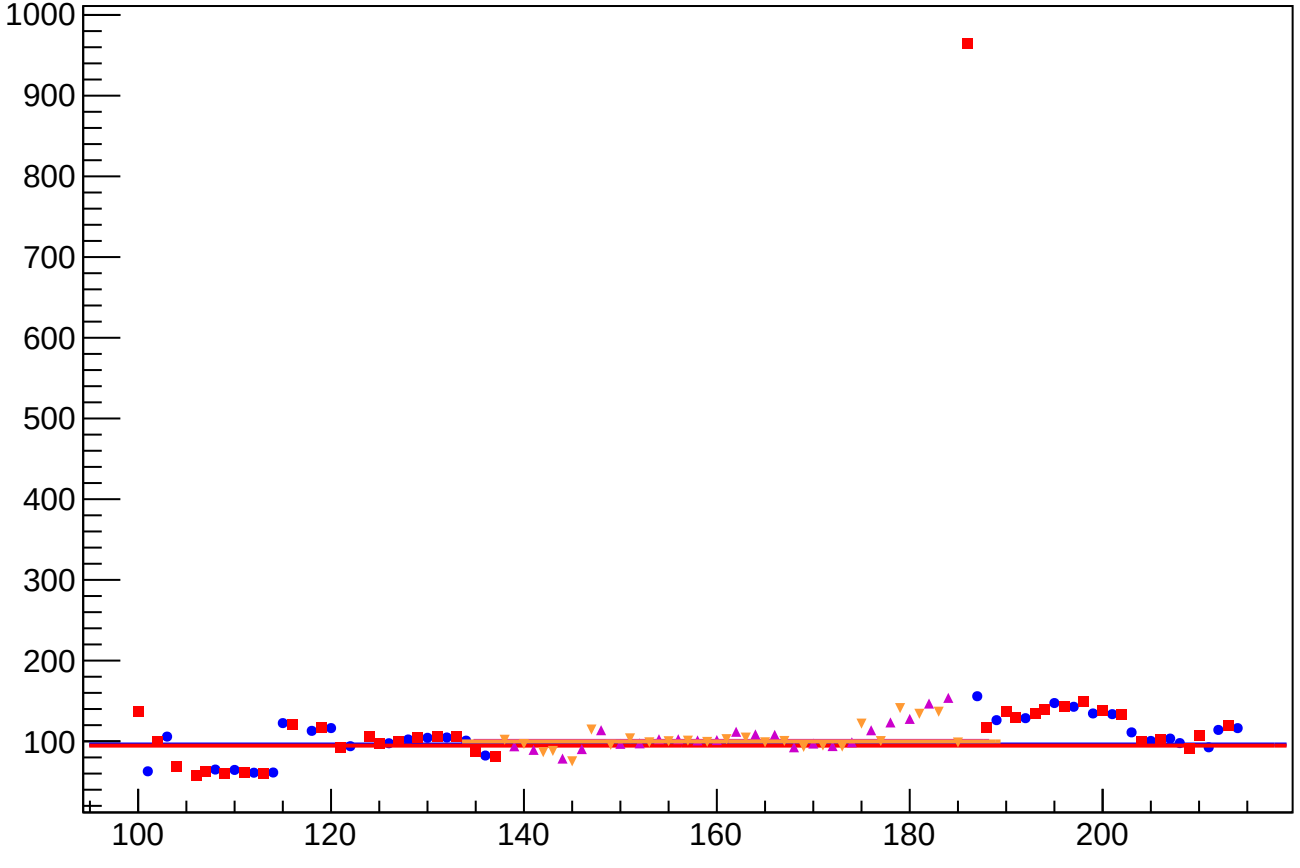
Right: -7.394+/-16.345 χ^2/NDF: 79.5/63

In: 16.243+/-16.627 χ^2/NDF:52.0/52

Out: 22.466+/-16.233 χ^2/NDF:93.0/58

All: 19.429+/-11.615 χ^2/NDF: 145.1/111

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

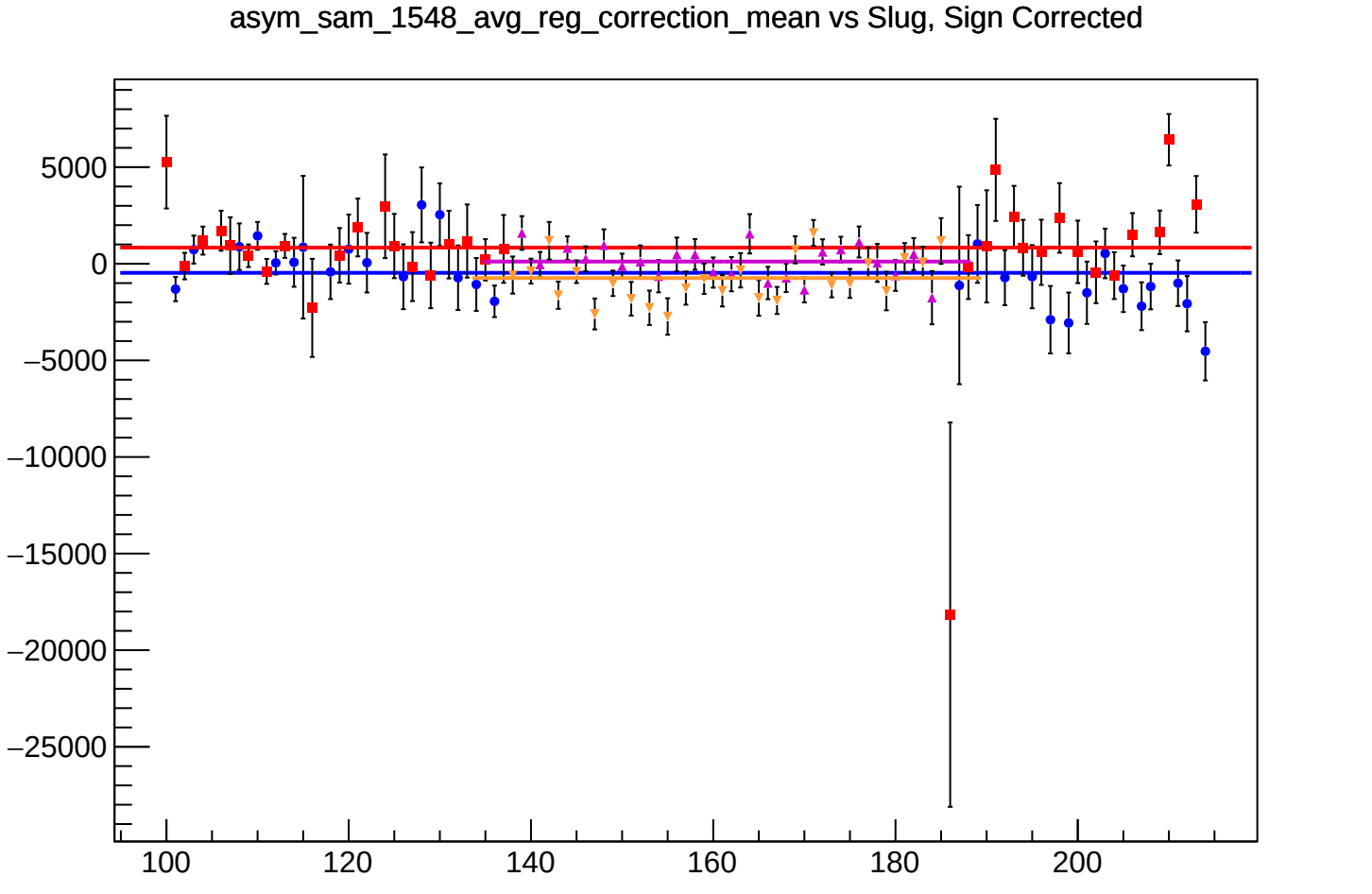
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 95.326+/-0.012 χ^2/NDF: 5818807.4/63

In: 98.216+/-0.012 χ^2/NDF:2970193.3/52

Out: 97.241+/-0.011 χ^2/NDF:4287013.1/58

All: 97.717+/-0.008 χ^2/NDF: 7260726.4/111



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

Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

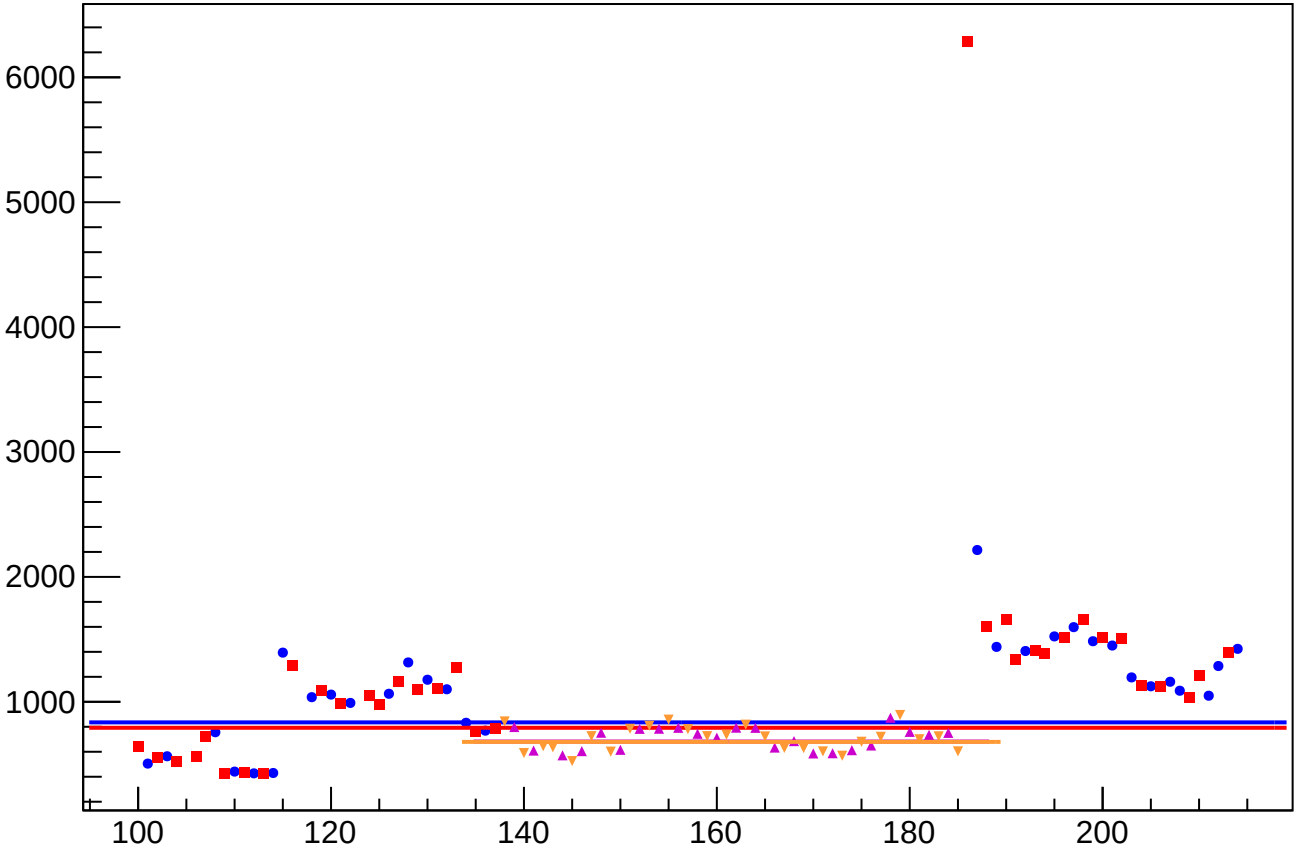
Right: 214.506+/-148.199 χ^2/NDF: 107.4/63

In: -94.854+/-128.775 χ^2/NDF:71.0/52

Out: -158.653+/-124.283 χ^2/NDF:132.6/58

All: -127.886+/-89.427 χ^2/NDF: 203.7/111

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



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

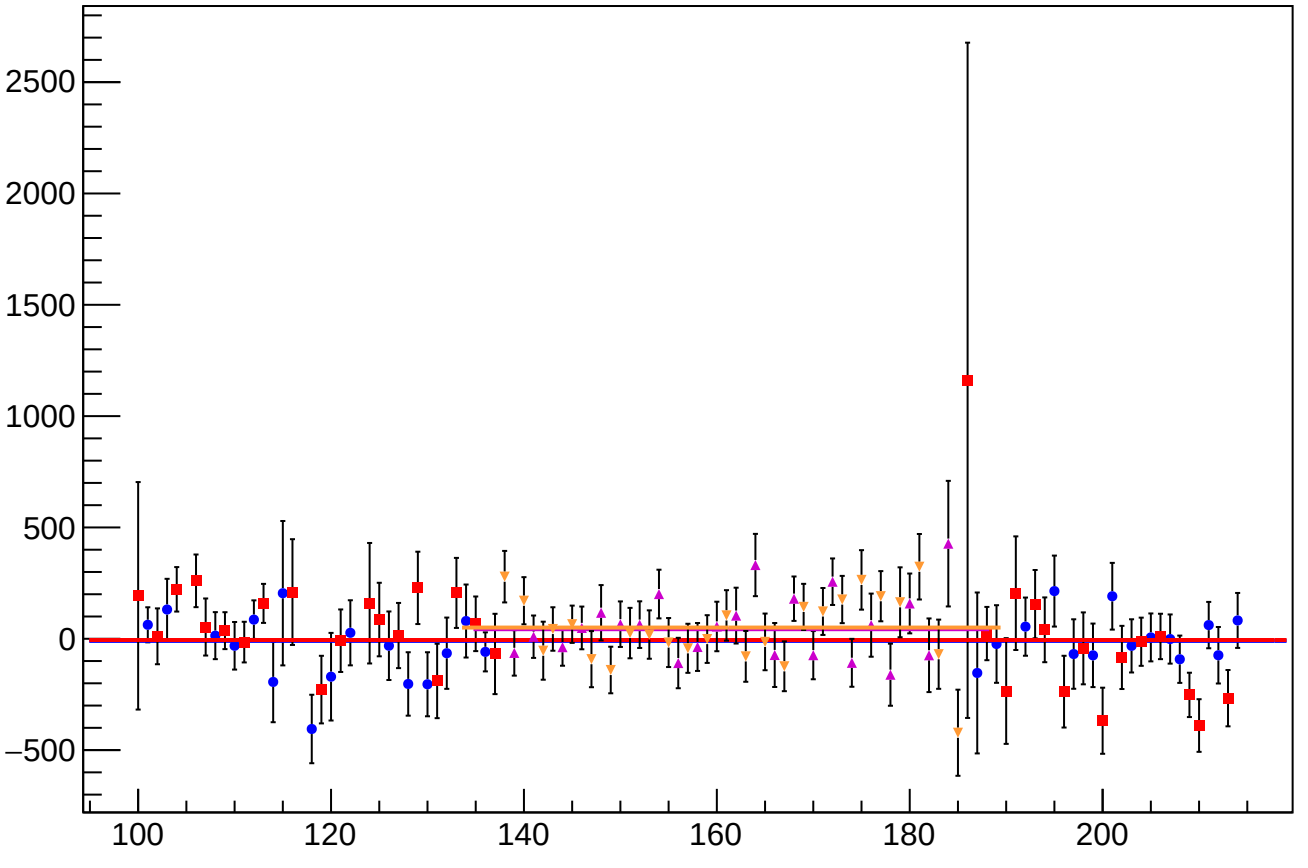
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 812.698+/-0.105 χ^2/NDF: 14044954.8/63

In: 737.130+/-0.091 χ^2/NDF:7326123.9/52

Out: 720.701+/-0.088 χ^2/NDF:9025784.2/58

All: 728.624+/-0.063 χ^2/NDF: 16368762.0/1



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

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

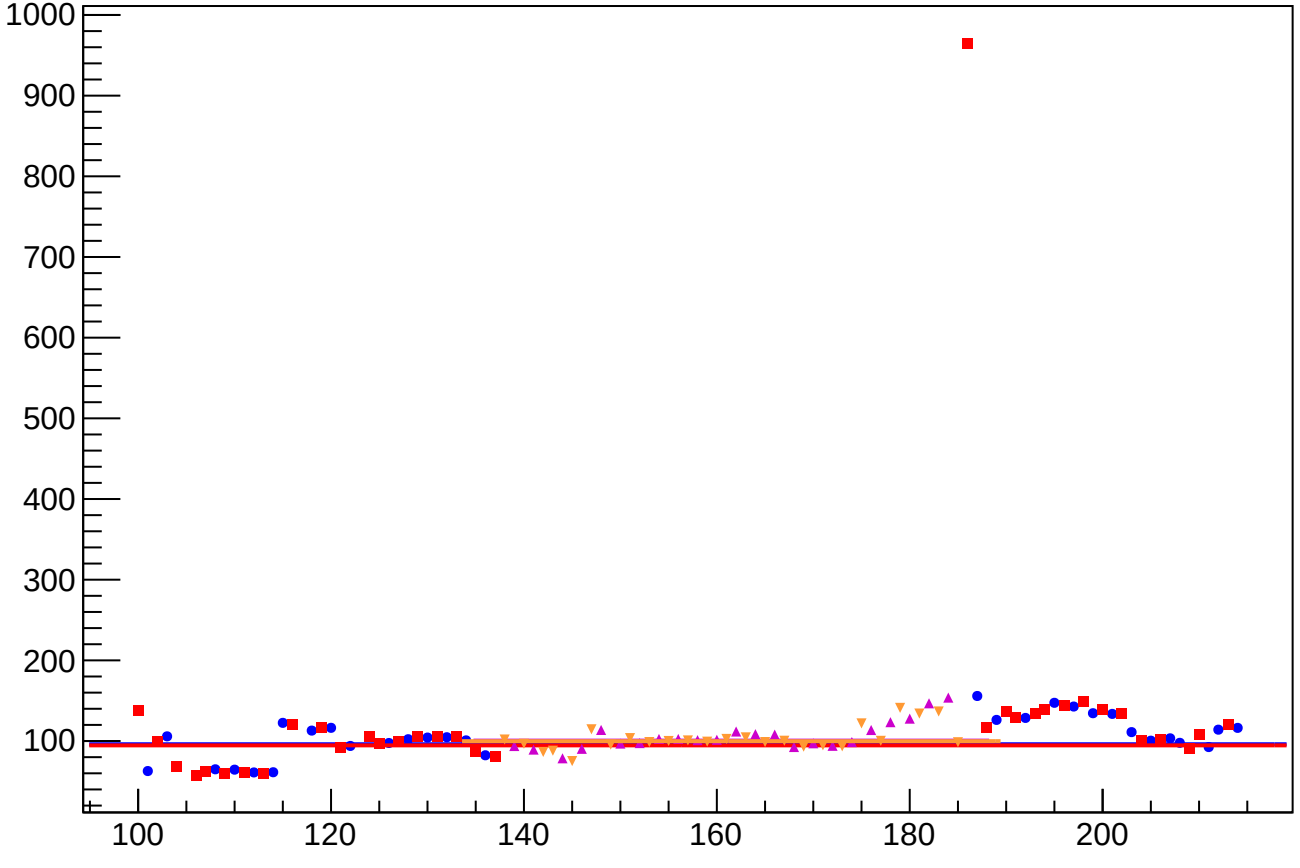
Right: -7.475+/-16.345 χ^2/NDF: 79.4/63

In: 16.242+/-16.627 χ^2/NDF:52.0/52

Out: 22.393+/-16.233 χ^2/NDF:92.9/58

All: 19.391+/-11.615 χ^2/NDF: 145.0/111

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

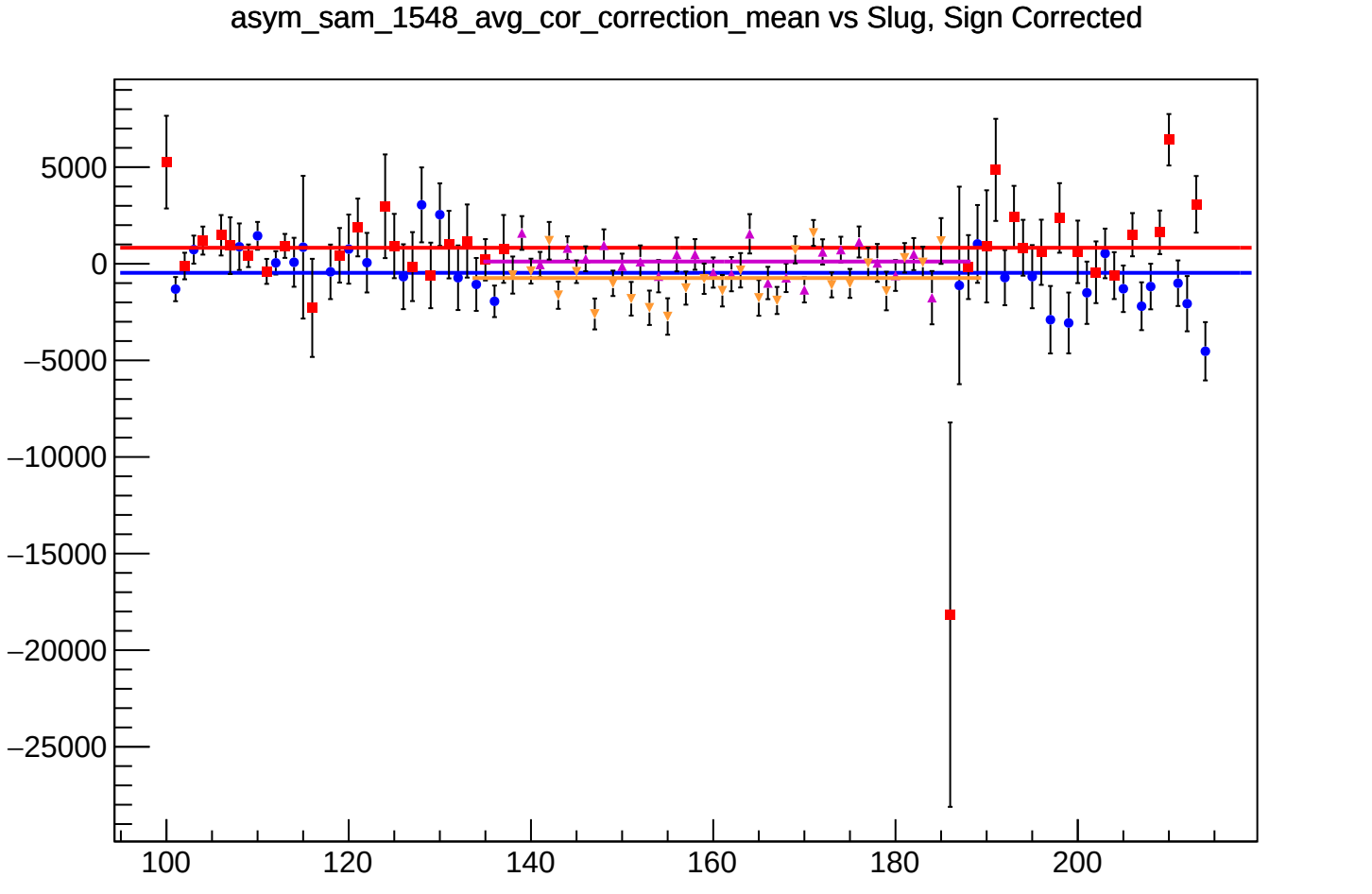
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 95.321+/-0.012 χ^2/NDF: 5822285.0/63

In: 98.216+/-0.012 χ^2/NDF:2970194.2/52

Out: 97.237+/-0.011 χ^2/NDF:4290630.1/58

All: 97.715+/-0.008 χ^2/NDF: 7264379.0/111



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

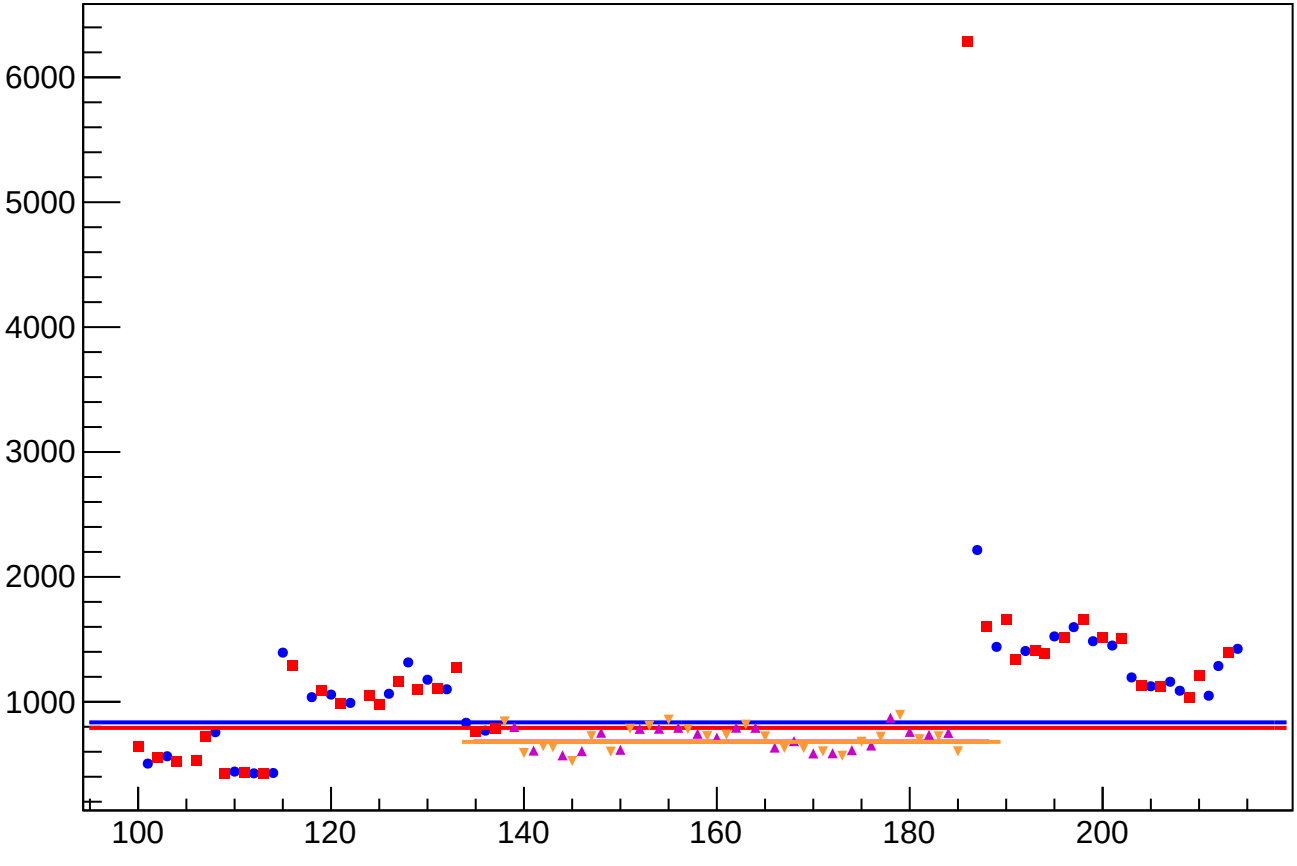
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 209.339+/-148.235 χ^2/NDF: 106.8/63

In: -94.861+/-128.775 χ^2/NDF:71.0/52

Out: -162.400+/-124.304 χ^2/NDF:131.7/58

All: -129.823+/-89.435 χ^2/NDF: 202.9/111



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

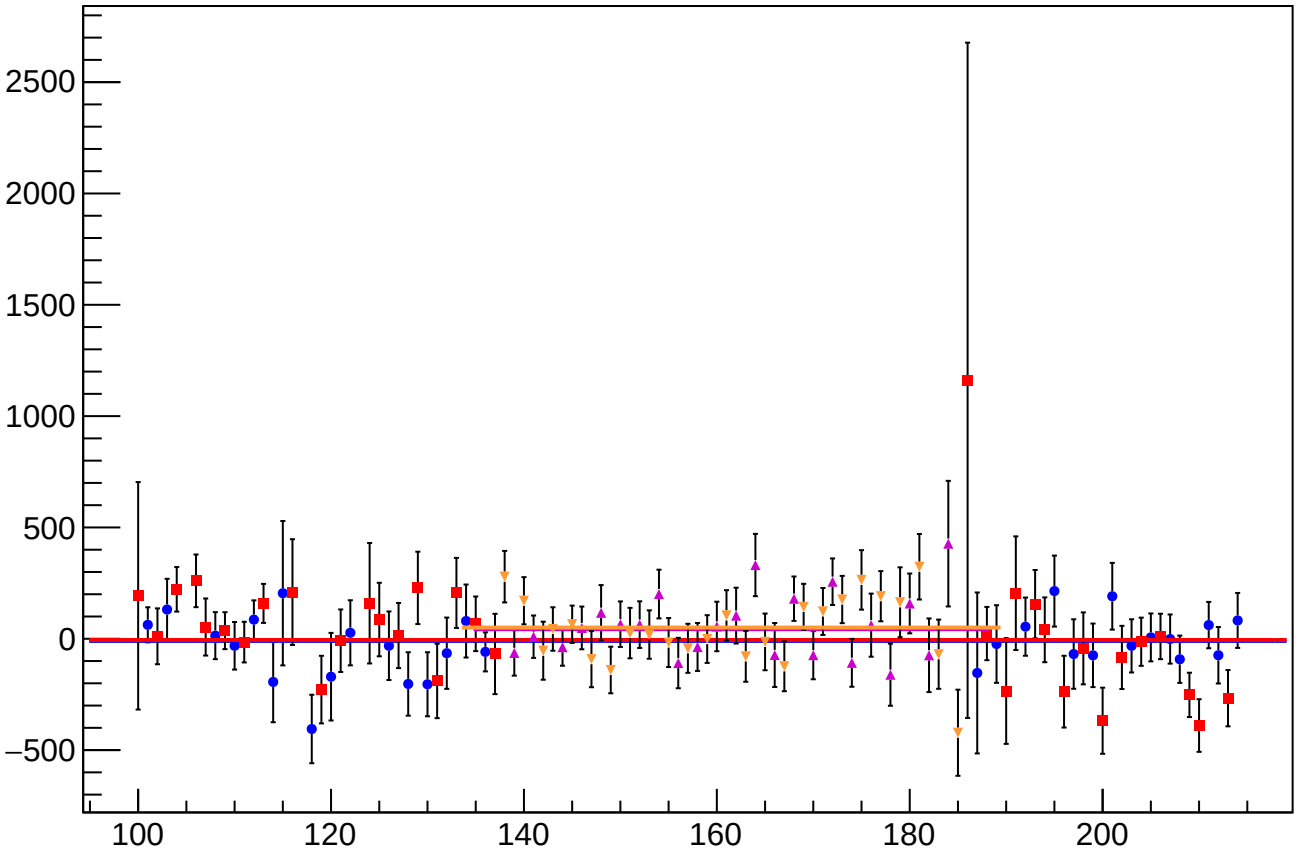
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 812.155+/-0.105 χ^2/NDF: 14074630.7/63

In: 737.132+/-0.091 χ^2/NDF:7326027.5/52

Out: 720.285+/-0.088 χ^2/NDF:9046088.6/58

All: 728.411+/-0.063 χ^2/NDF: 16389836.6/1



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

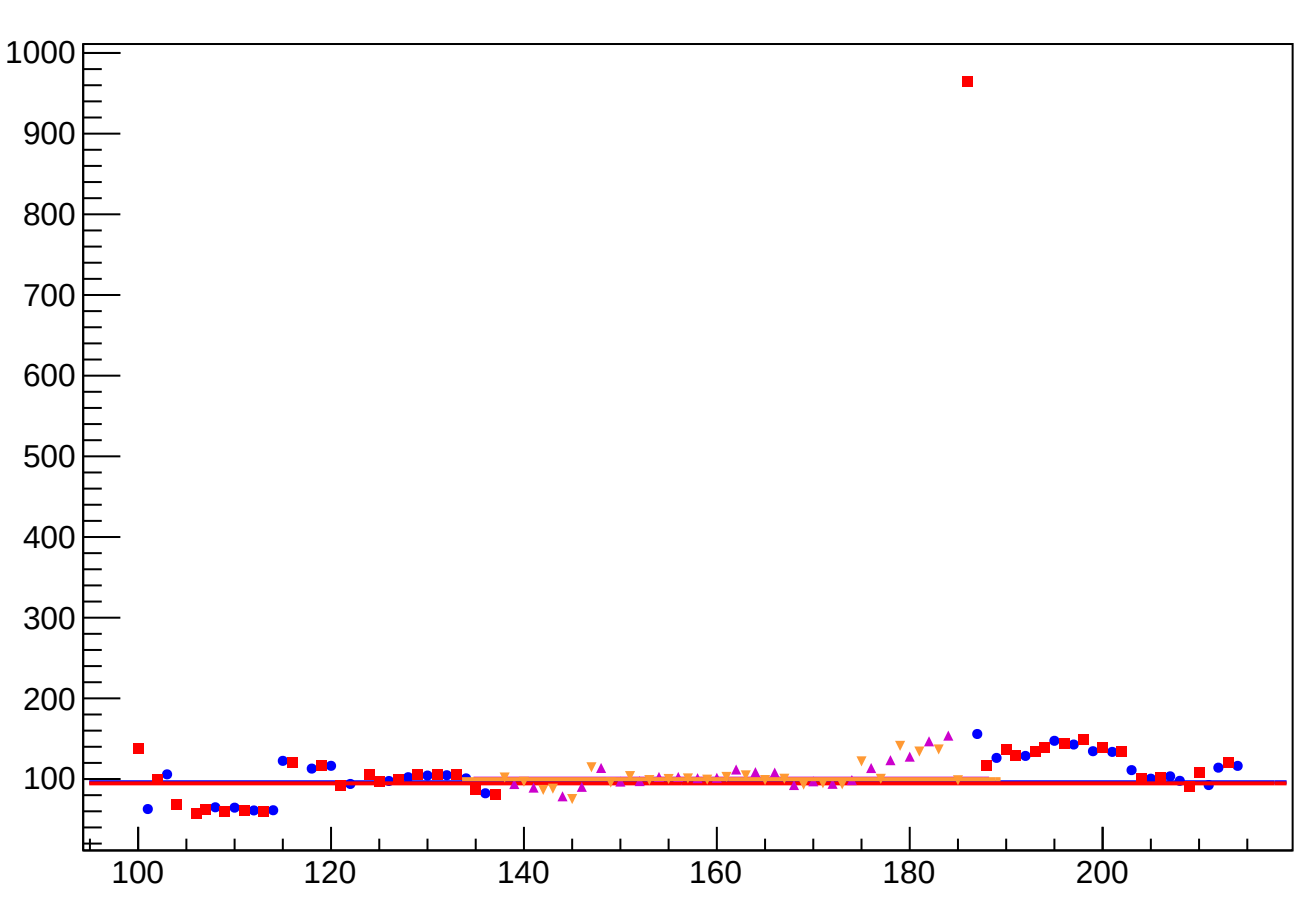
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: -7.475+/-16.345 χ^2/NDF: 79.4/63

In: 16.242+/-16.627 χ^2/NDF:52.0/52

Out: 22.393+/-16.233 χ^2/NDF:92.9/58

All: 19.391+/-11.615 χ^2/NDF: 145.0/111



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

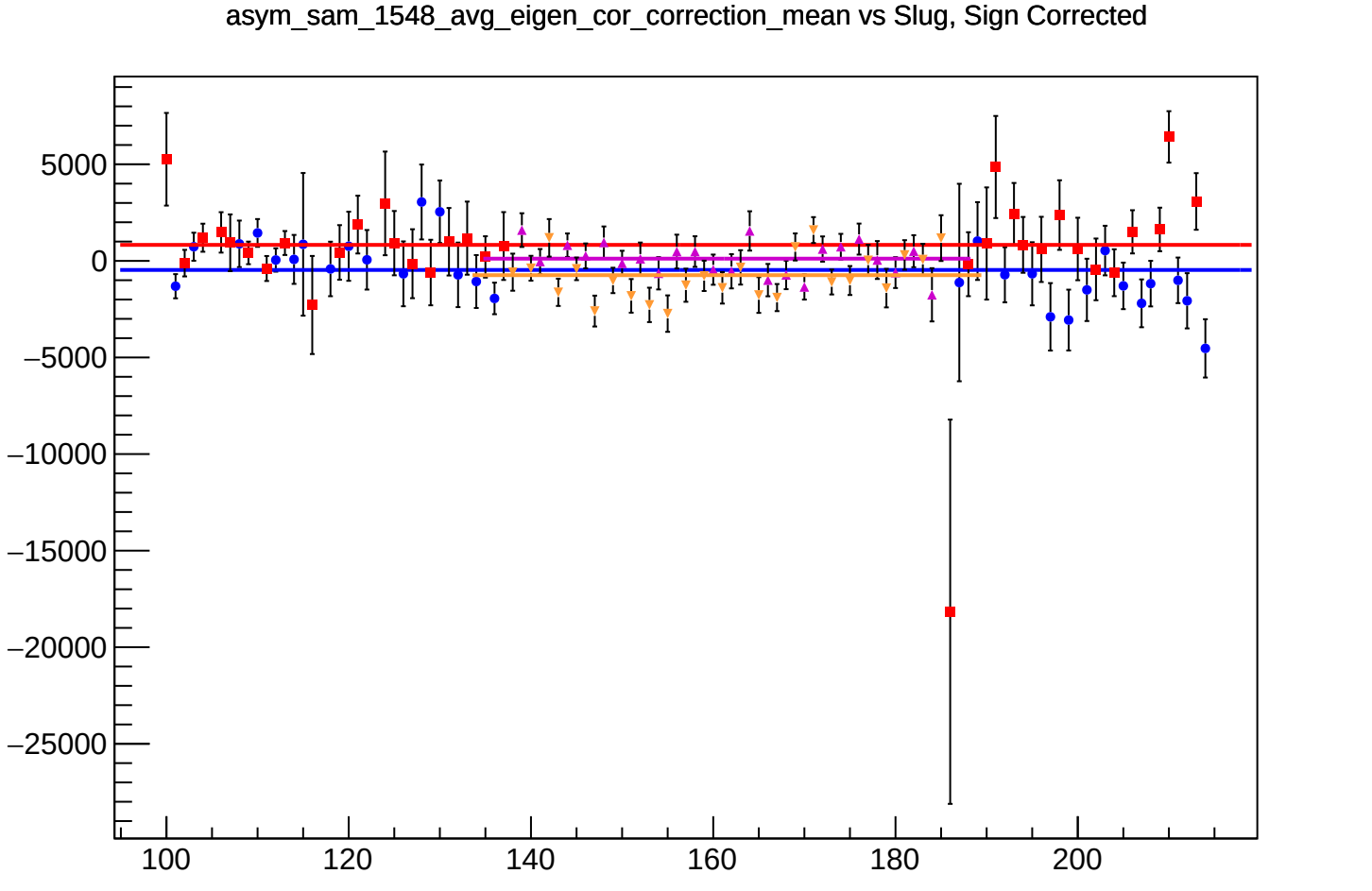
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 95.321+/-0.012 χ^2/NDF: 5822285.0/63

In: 98.216+/-0.012 χ^2/NDF:2970194.2/52

Out: 97.237+/-0.011 χ^2/NDF:4290630.1/58

All: 97.715+/-0.008 χ^2/NDF: 7264379.0/111



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

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

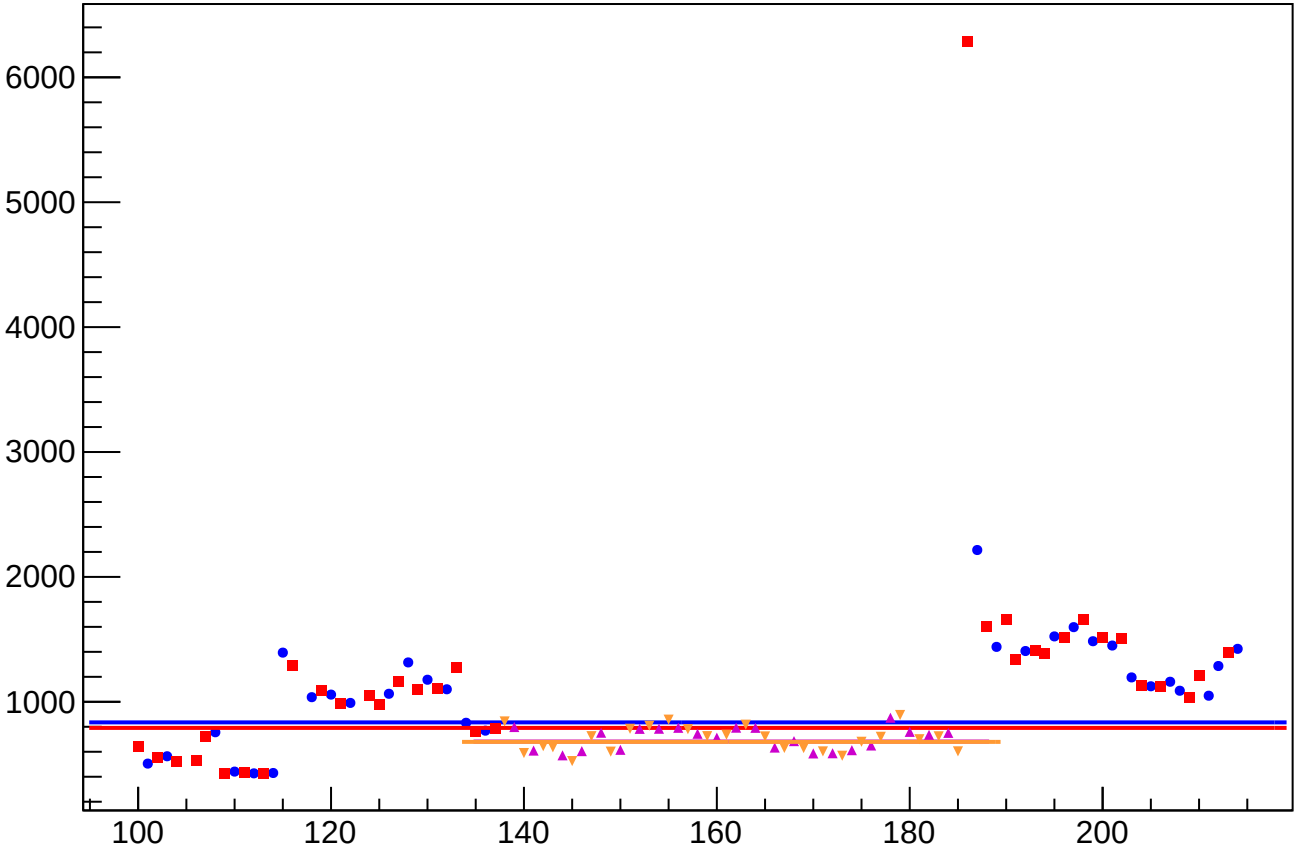
Right: 209.339+/-148.235 χ^2/NDF: 106.8/63

In: -94.861+/-128.775 χ^2/NDF:71.0/52

Out: -162.400+/-124.304 χ^2/NDF:131.7/58

All: -129.823+/-89.435 χ^2/NDF: 202.9/111

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

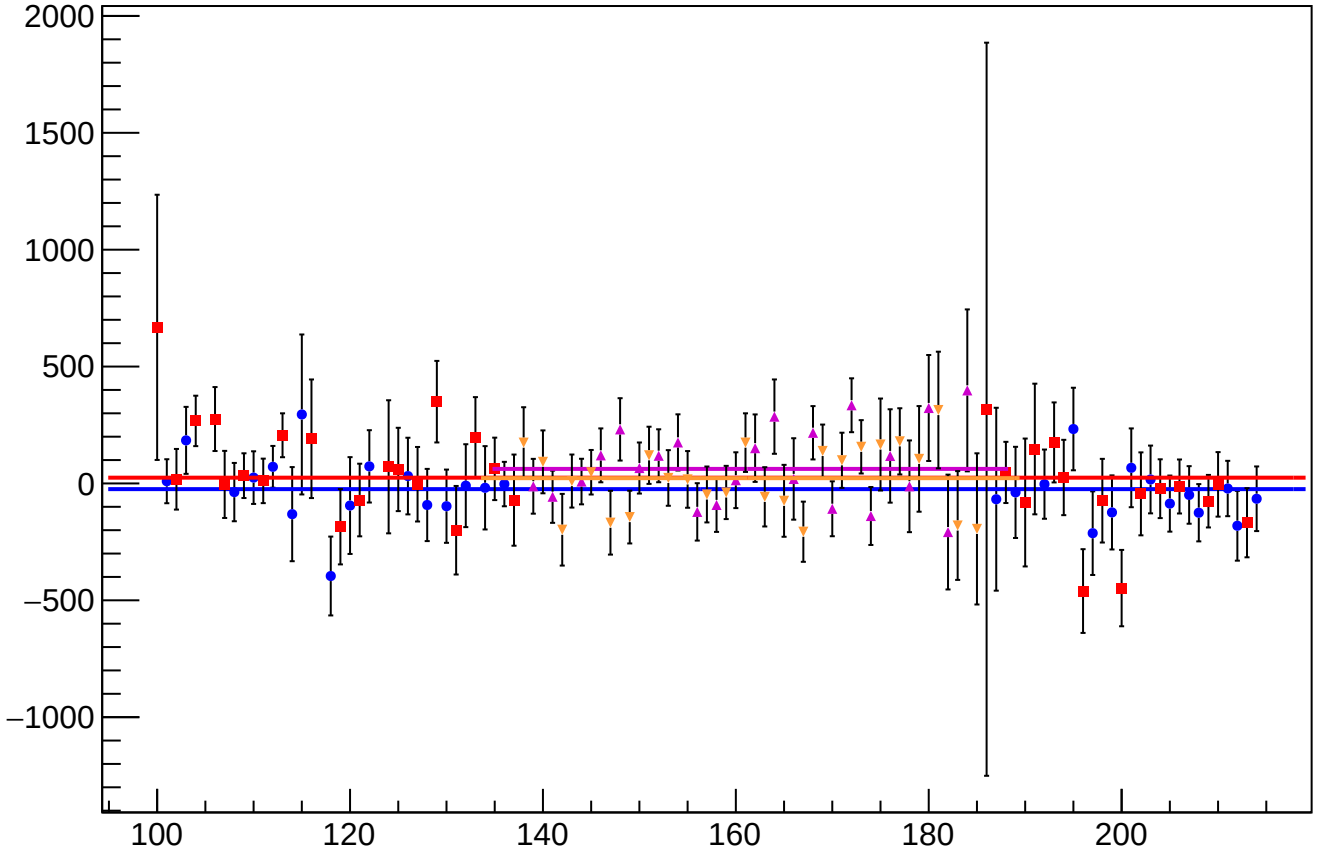
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 812.155+/-0.105 χ^2/NDF: 14074630.7/63

In: 737.132+/-0.091 χ^2/NDF:7326027.5/52

Out: 720.285+/-0.088 χ^2/NDF:9046088.6/58

All: 728.411+/-0.063 χ^2/NDF: 16389836.6/1



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

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

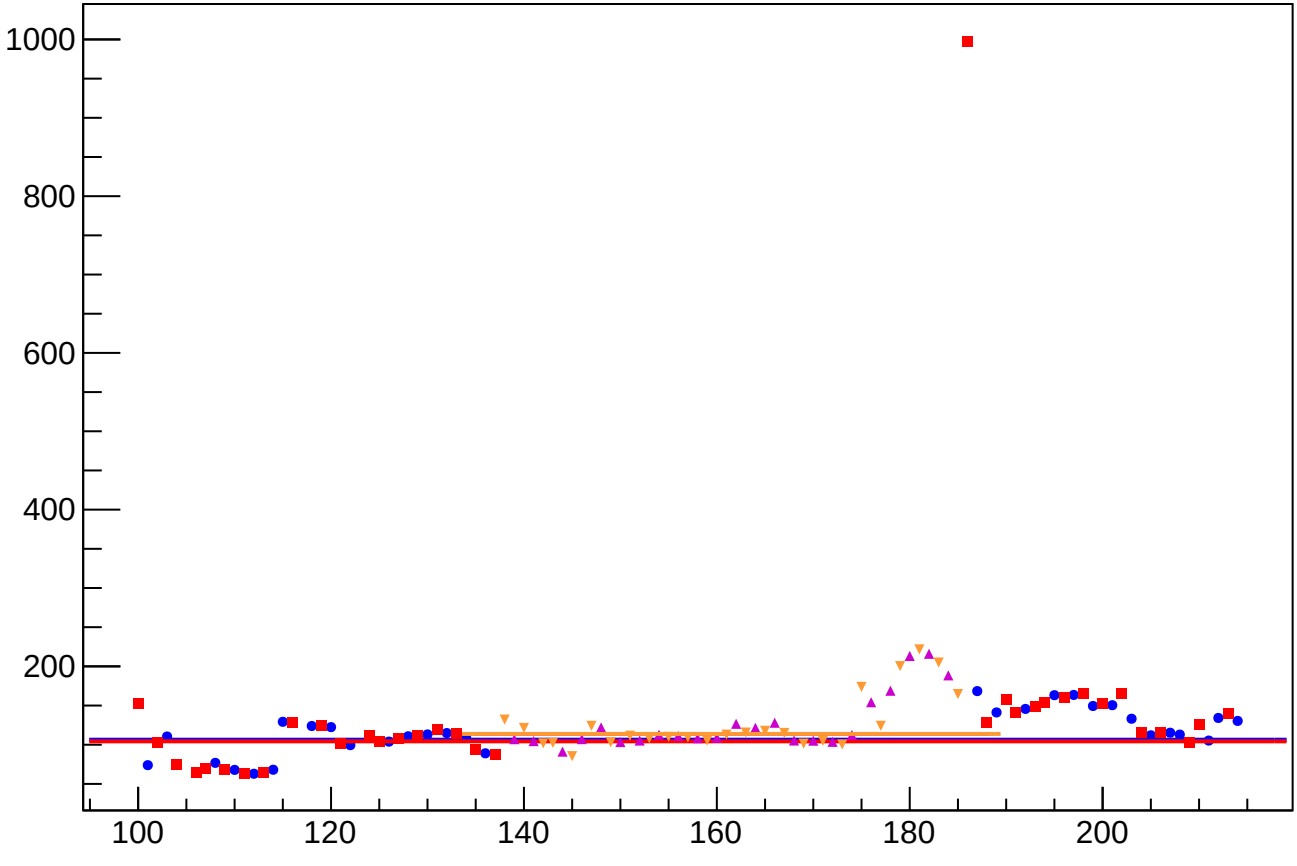
Right: 0.557+/-18.149 χ^2/NDF: 61.2/63

In: 16.543+/-18.797 χ^2/NDF:49.5/52

Out: 23.641+/-18.403 χ^2/NDF:64.1/58

All: 20.168+/-13.150 χ^2/NDF: 113.7/111

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

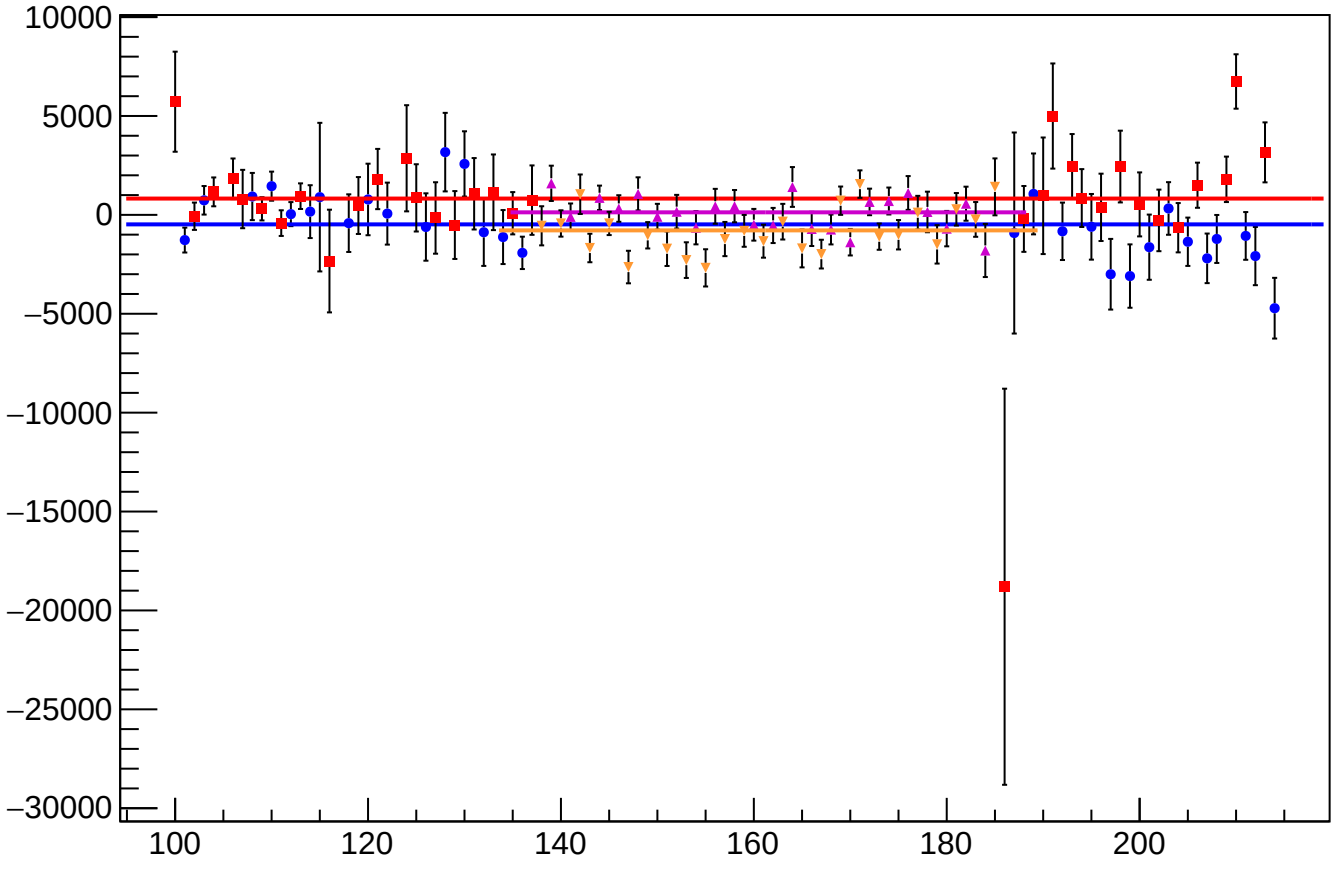
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 105.355+/-0.013 χ^2/NDF: 6191300.1/63

In: 109.846+/-0.013 χ^2/NDF:3813678.5/52

Out: 108.834+/-0.013 χ^2/NDF:5472573.8/58

All: 109.329+/-0.009 χ^2/NDF: 9289210.2/11



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

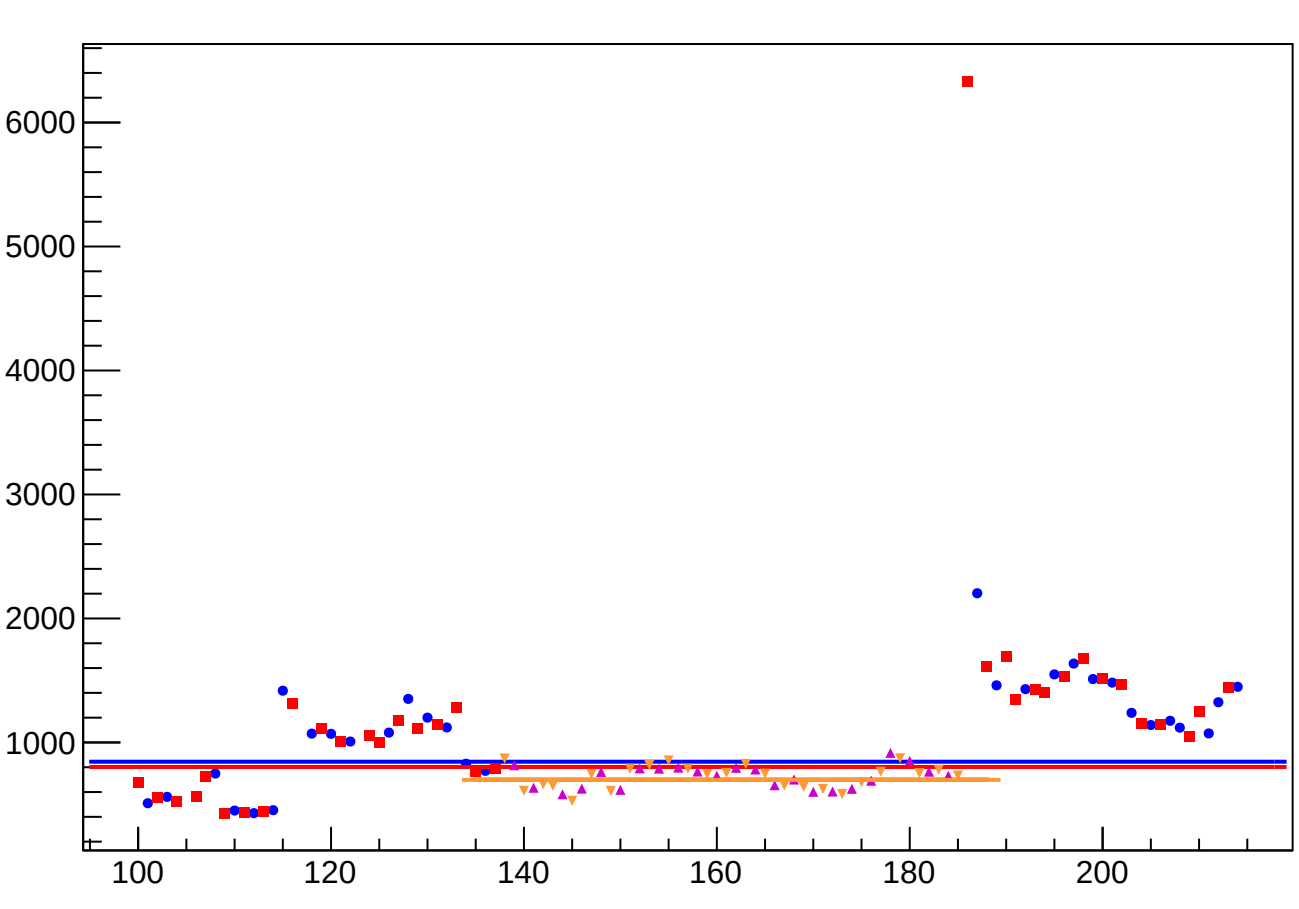
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 202.069+/-150.071 χ^2/NDF: 108.9/63

In: -94.876+/-131.546 χ^2/NDF:70.3/52

Out: -182.156+/-126.939 χ^2/NDF:130.5/58

All: -140.072+/-91.345 χ^2/NDF: 201.0/111



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

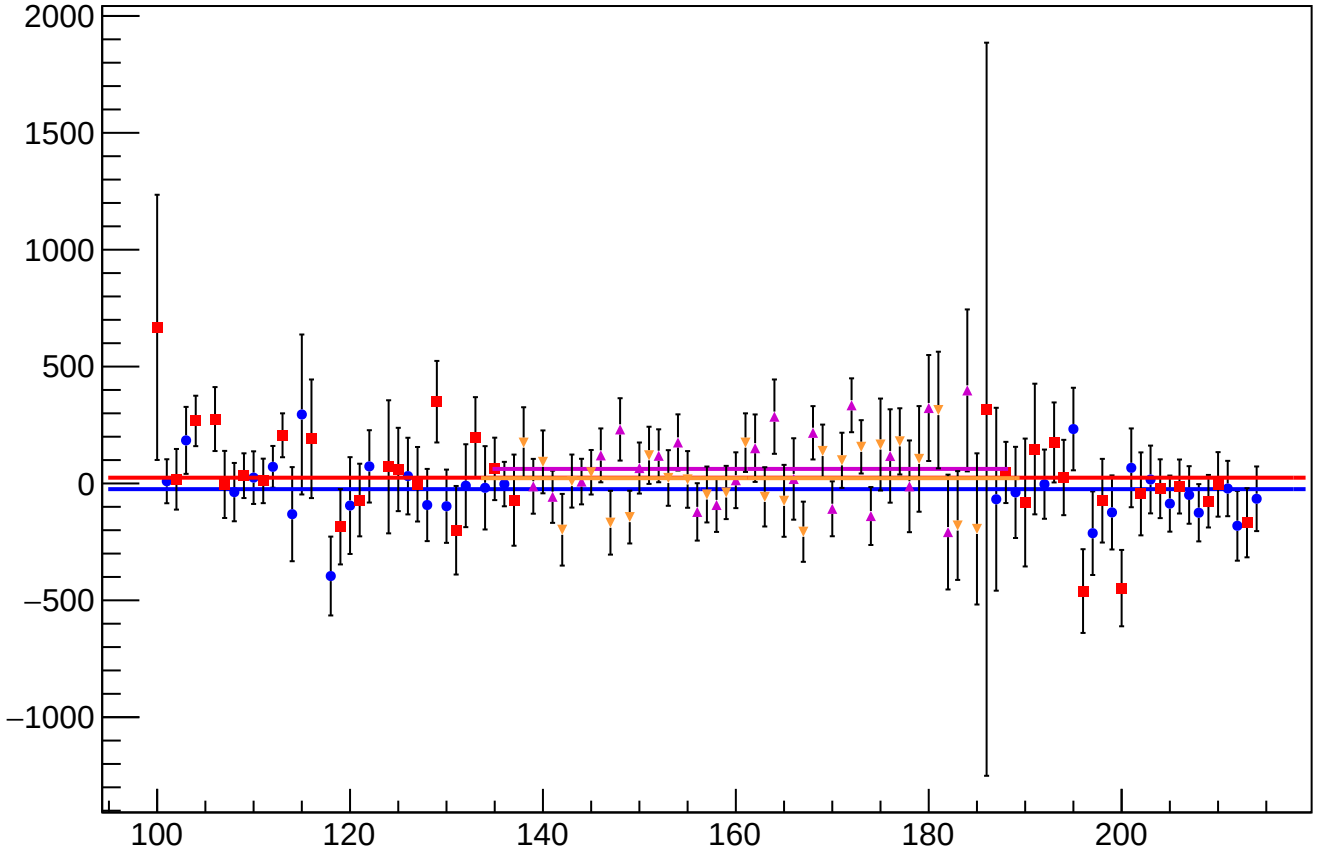
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 822.484+/-0.106 χ^2/NDF: 14169485.5/63

In: 753.051+/-0.093 χ^2/NDF:7363288.2/52

Out: 737.179+/-0.090 χ^2/NDF:8940884.4/58

All: 744.832+/-0.065 χ^2/NDF: 16319249.2/11



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

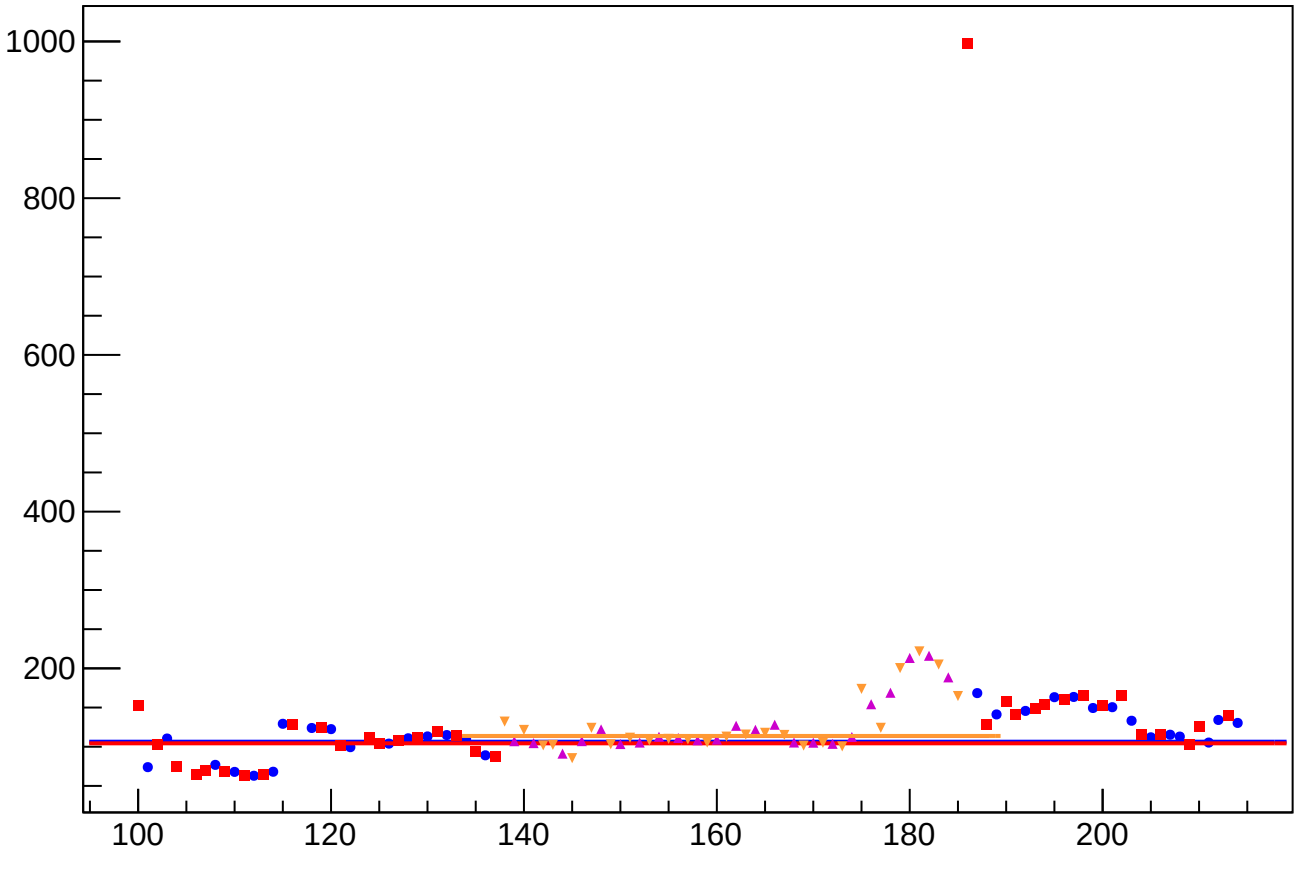
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 0.557+/-18.148 χ^2/NDF: 61.2/63

In: 16.544+/-18.797 χ^2/NDF:49.5/52

Out: 23.642+/-18.403 χ^2/NDF:64.1/58

All: 20.168+/-13.150 χ^2/NDF: 113.7/111



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

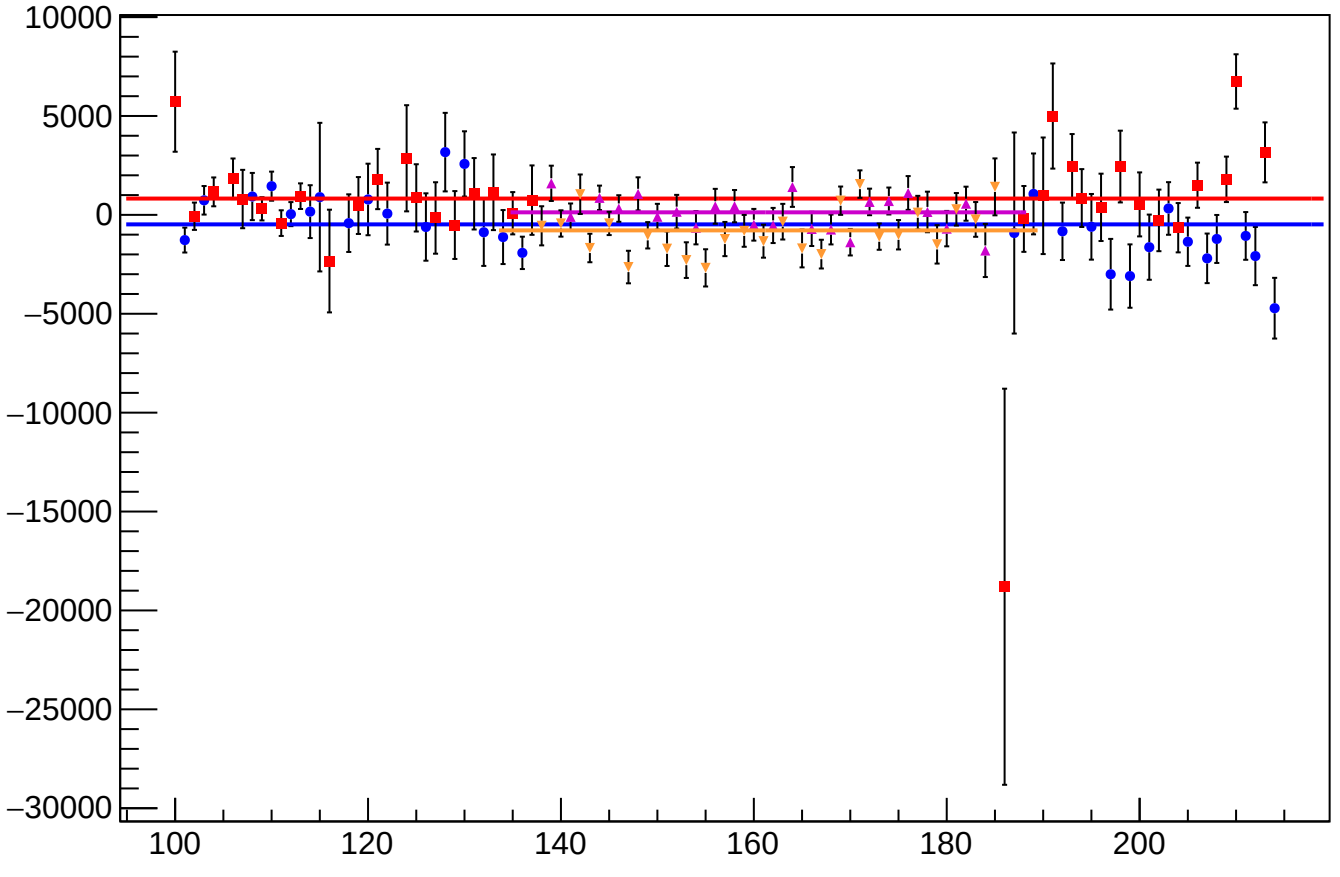
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 105.355+/-0.013 χ^2/NDF: 6191281.6/63

In: 109.846+/-0.013 χ^2/NDF:3813644.5/52

Out: 108.834+/-0.013 χ^2/NDF:5472568.6/58

All: 109.329+/-0.009 χ^2/NDF: 9289171.0/11



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

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

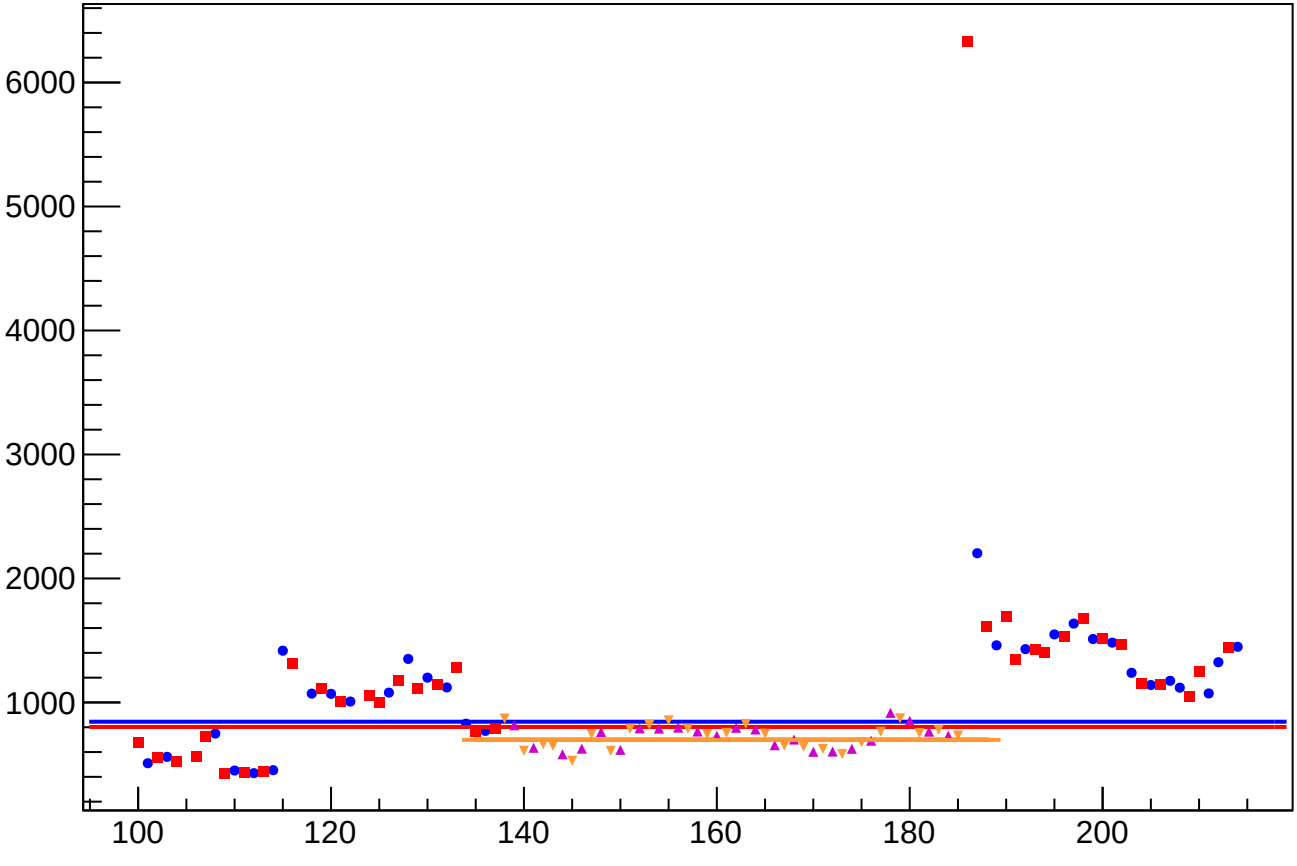
Right: 202.069+/-150.070 χ^2/NDF: 108.9/63

In: -94.876+/-131.546 χ^2/NDF:70.3/52

Out: -182.156+/-126.939 χ^2/NDF:130.5/58

All: -140.071+/-91.345 χ^2/NDF: 201.0/111

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

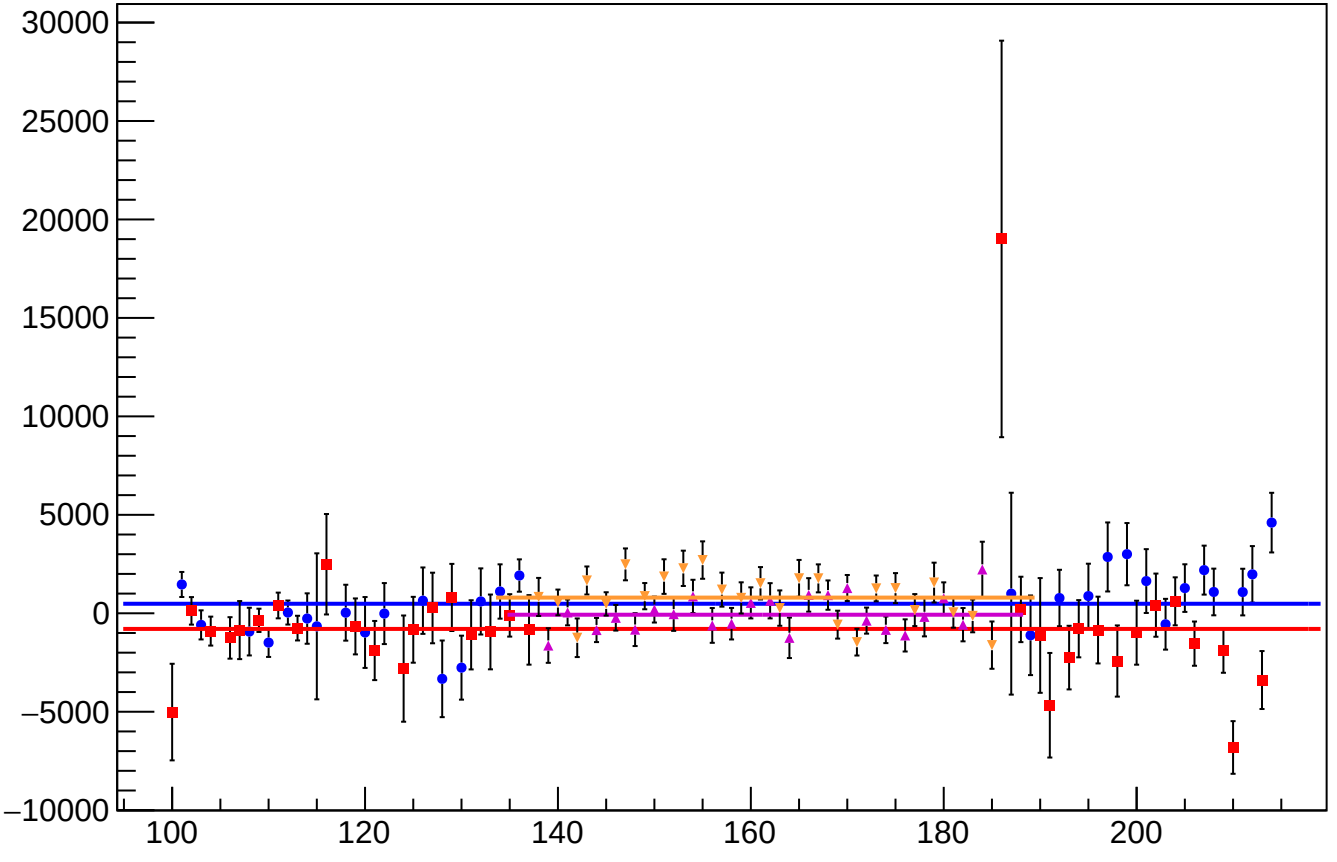
Right: 822.483+/-0.106 χ^2/NDF: 14169483.0/63

In: 753.050+/-0.093 χ^2/NDF:7363283.8/52

Out: 737.178+/-0.090 χ^2/NDF:8940878.8/58

All: 744.831+/-0.065 χ^2/NDF: 16319239.4/1

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

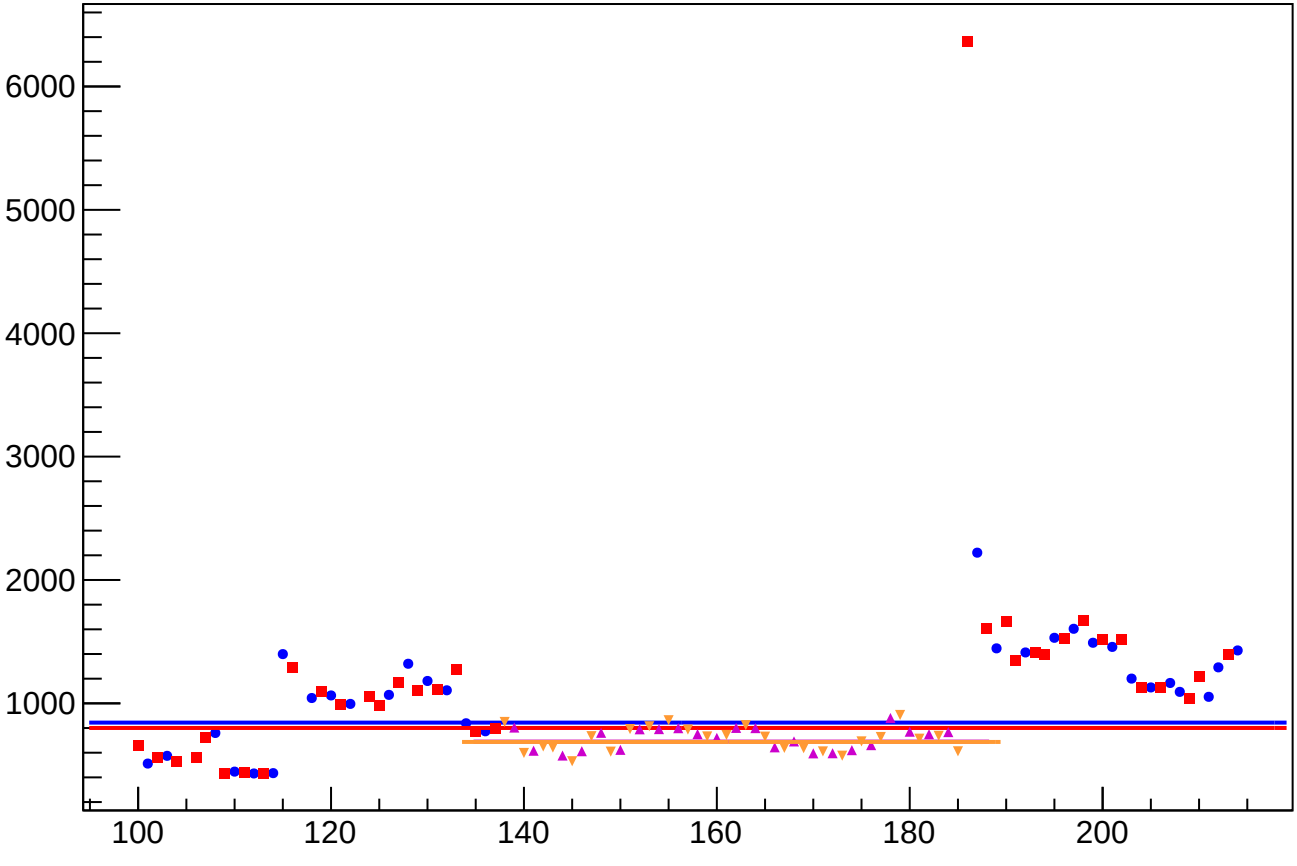
Right: -184.251+/-149.537 χ^2/NDF: 109.8/63

In: 127.984+/-130.151 χ^2/NDF:72.8/52

Out: 209.881+/-125.624 χ^2/NDF:131.6/58

All: 170.381+/-90.388 χ^2/NDF: 204.6/111

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

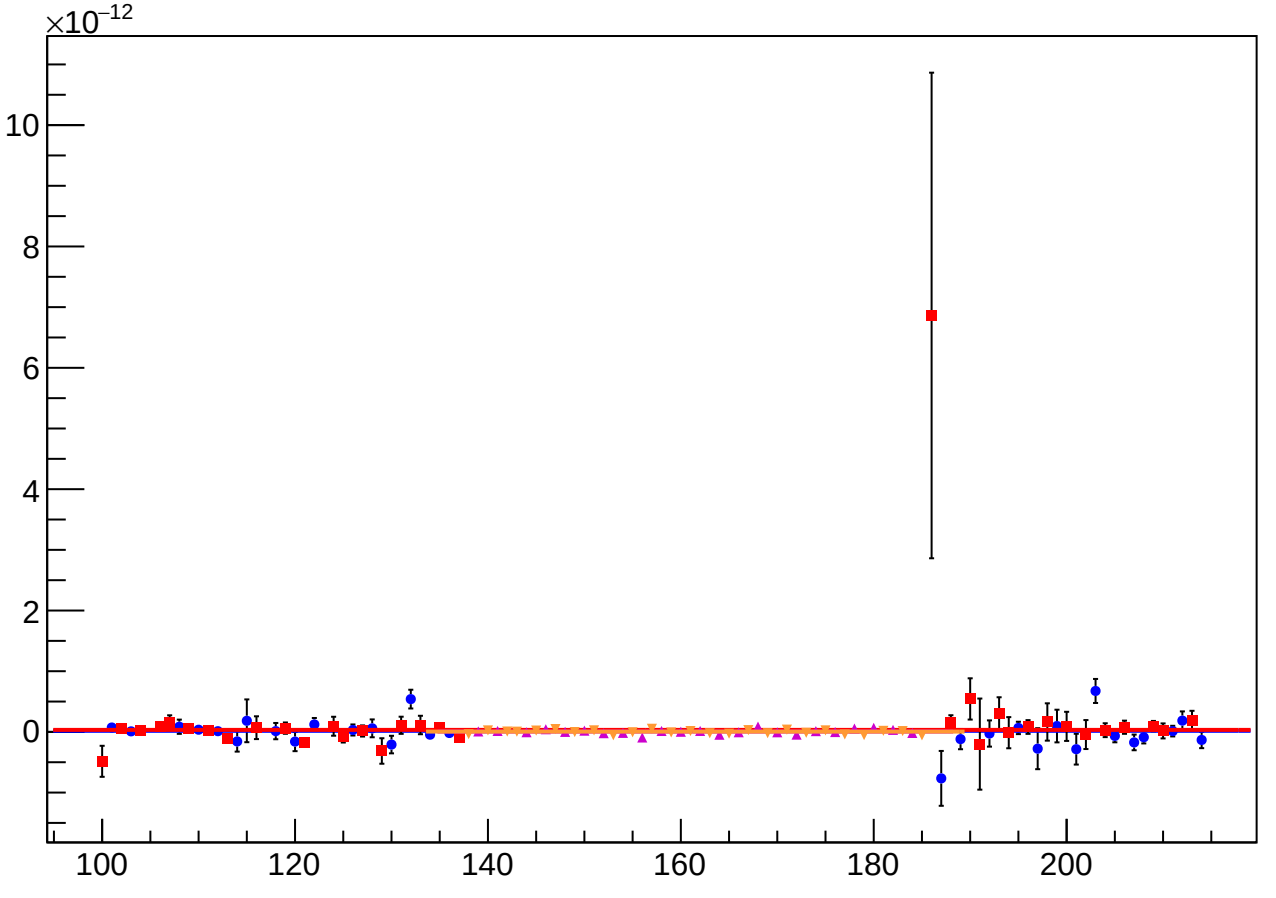
Right: 821.256+/-0.106 χ^2/NDF: 13844653.1/63

In: 745.655+/-0.092 χ^2/NDF:7210585.6/52

Out: 729.042+/-0.089 χ^2/NDF:8911773.4/58

All: 737.054+/-0.064 χ^2/NDF: 16139227.6/1

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

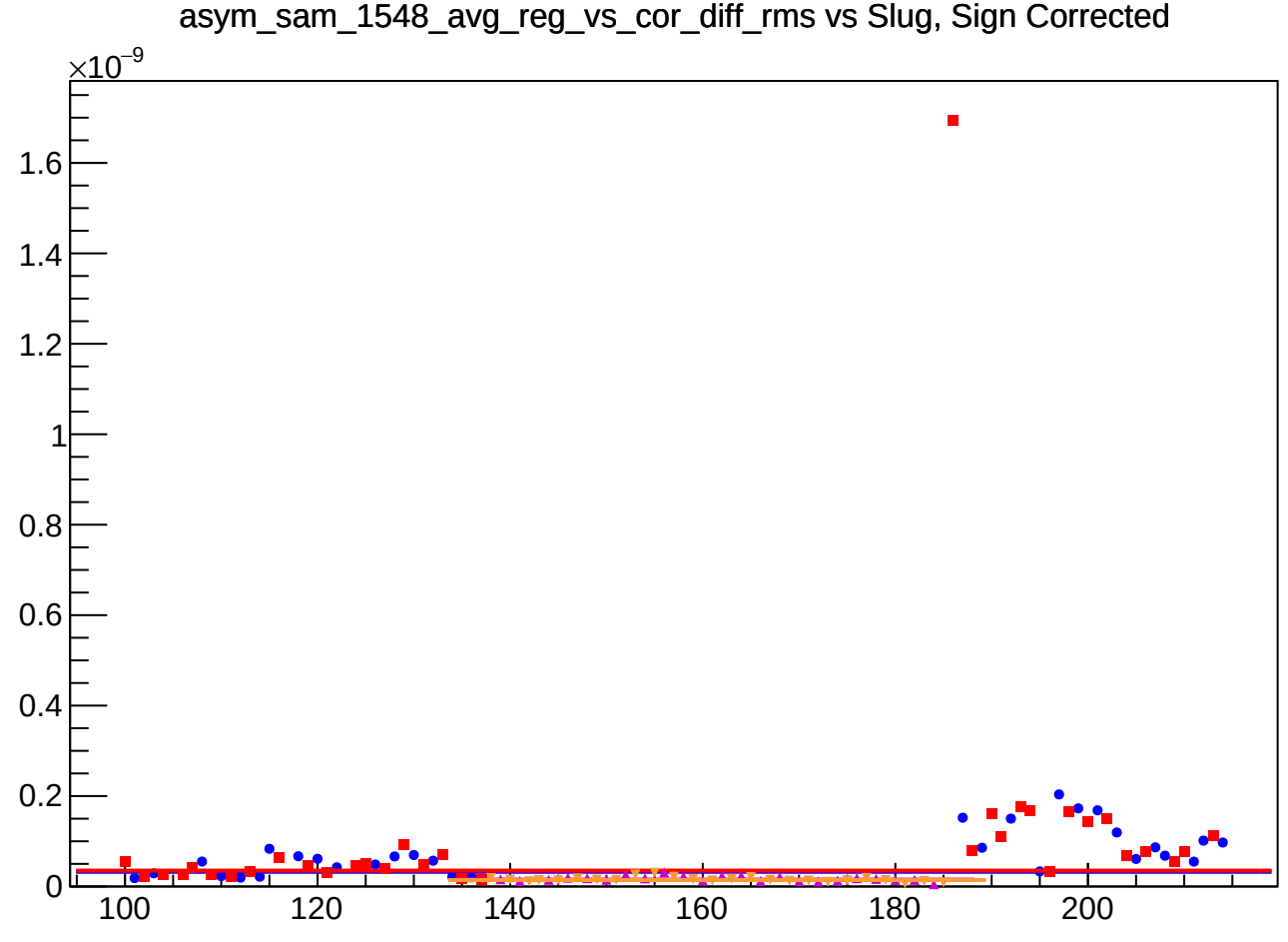
Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

Right: 0.000+/-0.000 χ^2/NDF: 83.7/63

In: 0.000+/-0.000 χ^2/NDF:74.4/52

Out: 0.000+/-0.000 χ^2/NDF:60.8/58

All: 0.000+/-0.000 χ^2/NDF: 135.2/111



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

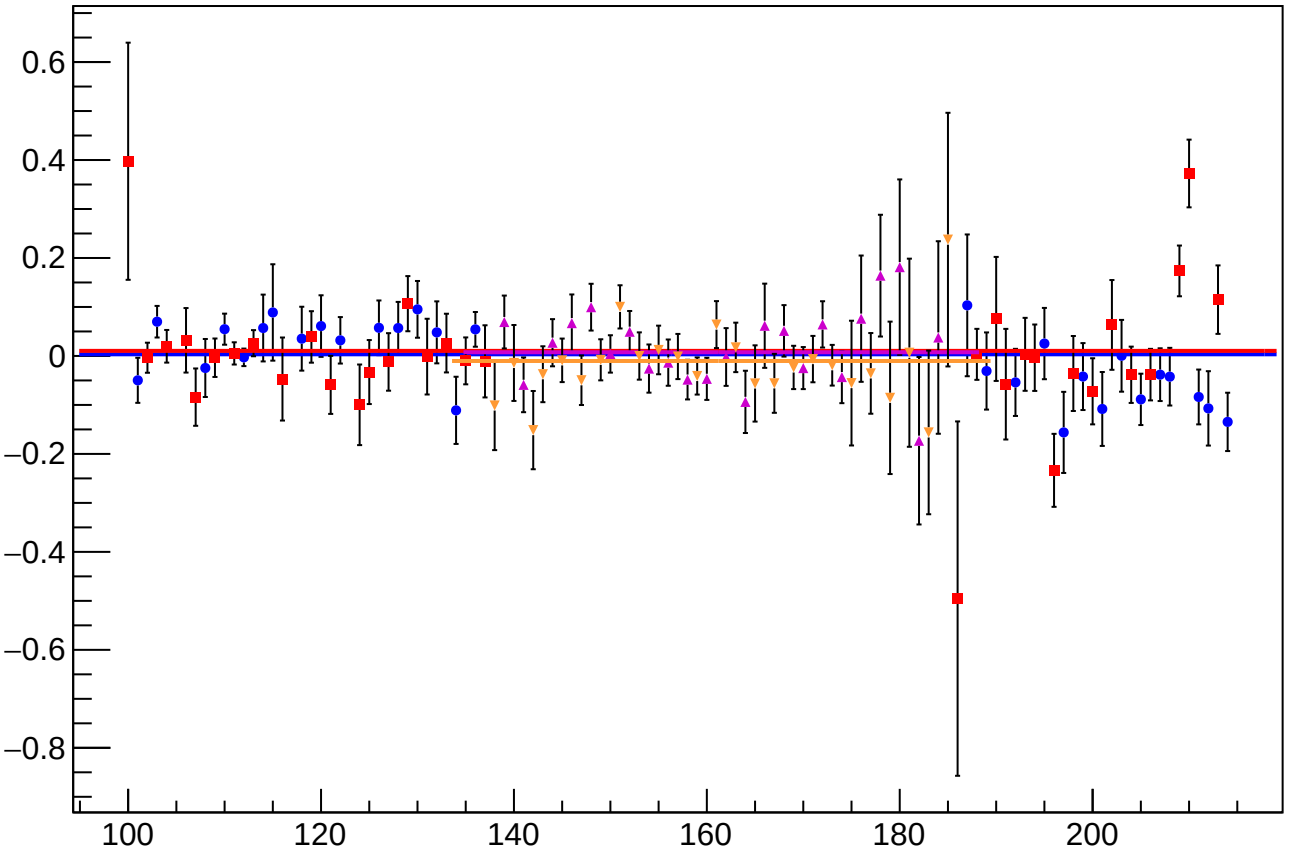
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 12426296.9/63

In: 0.000+/-0.000 χ^2/NDF:10124465.8/52

Out: 0.000+/-0.000 χ^2/NDF:10276968.2/58

All: 0.000+/-0.000 χ^2/NDF: 20439363.3/111



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

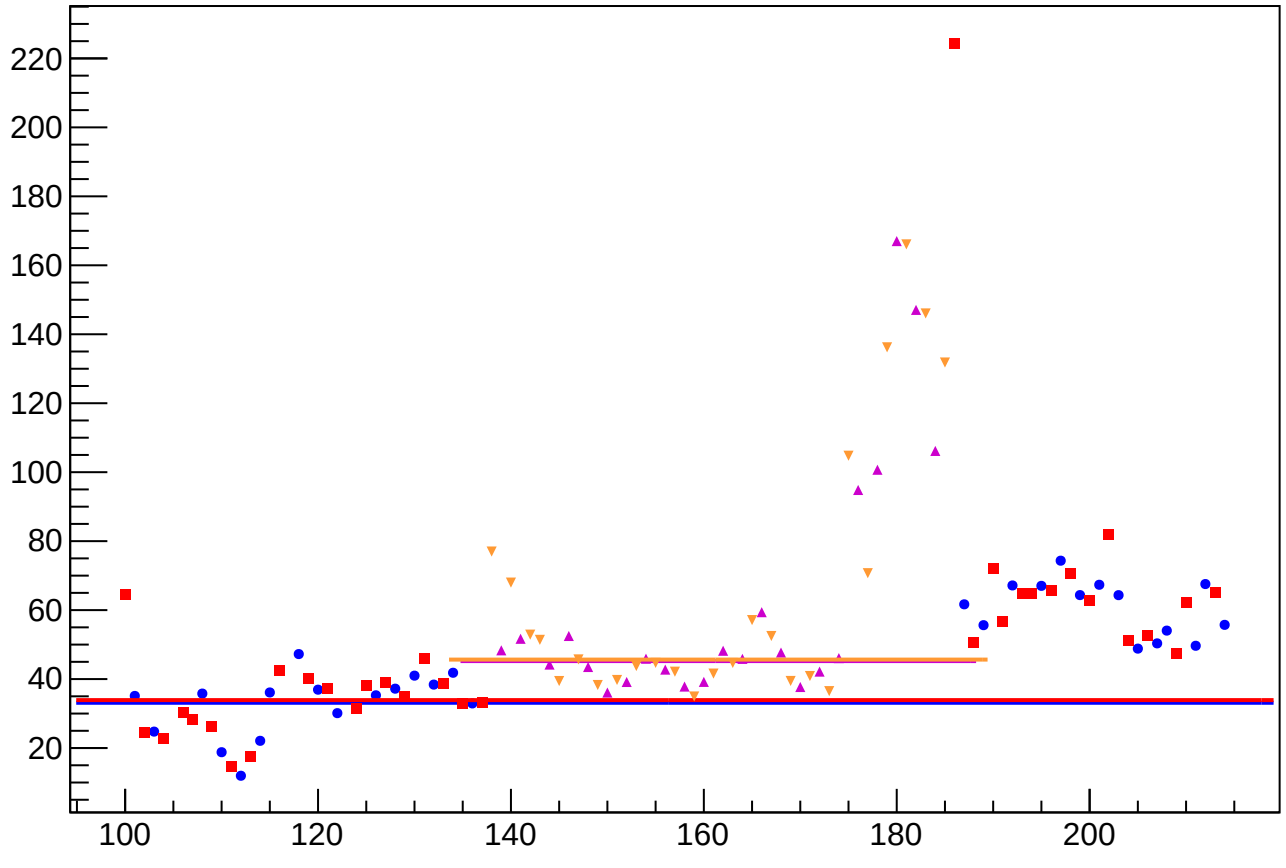
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.007+/-0.006 χ^2/NDF: 114.1/63

In: 0.005+/-0.007 χ^2/NDF:66.5/52

Out: 0.002+/-0.007 χ^2/NDF:90.8/58

All: 0.004+/-0.005 χ^2/NDF: 157.4/111



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

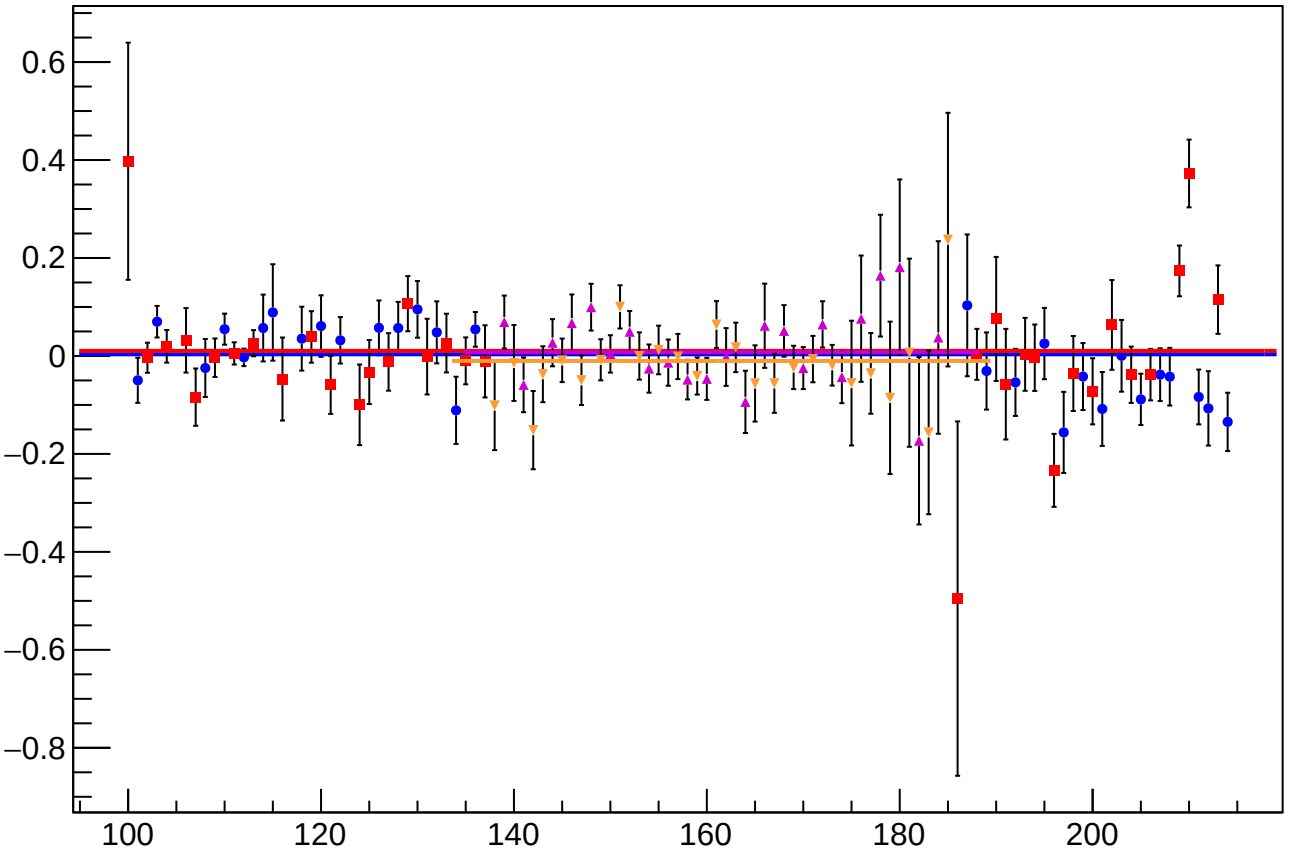
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 33.515+/-0.004 χ^2/NDF: 15717288.3/63

In: 37.745+/-0.005 χ^2/NDF:12361508.3/52

Out: 38.462+/-0.005 χ^2/NDF:13071154.3/58

All: 38.105+/-0.004 χ^2/NDF: 25443042.5/11



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

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

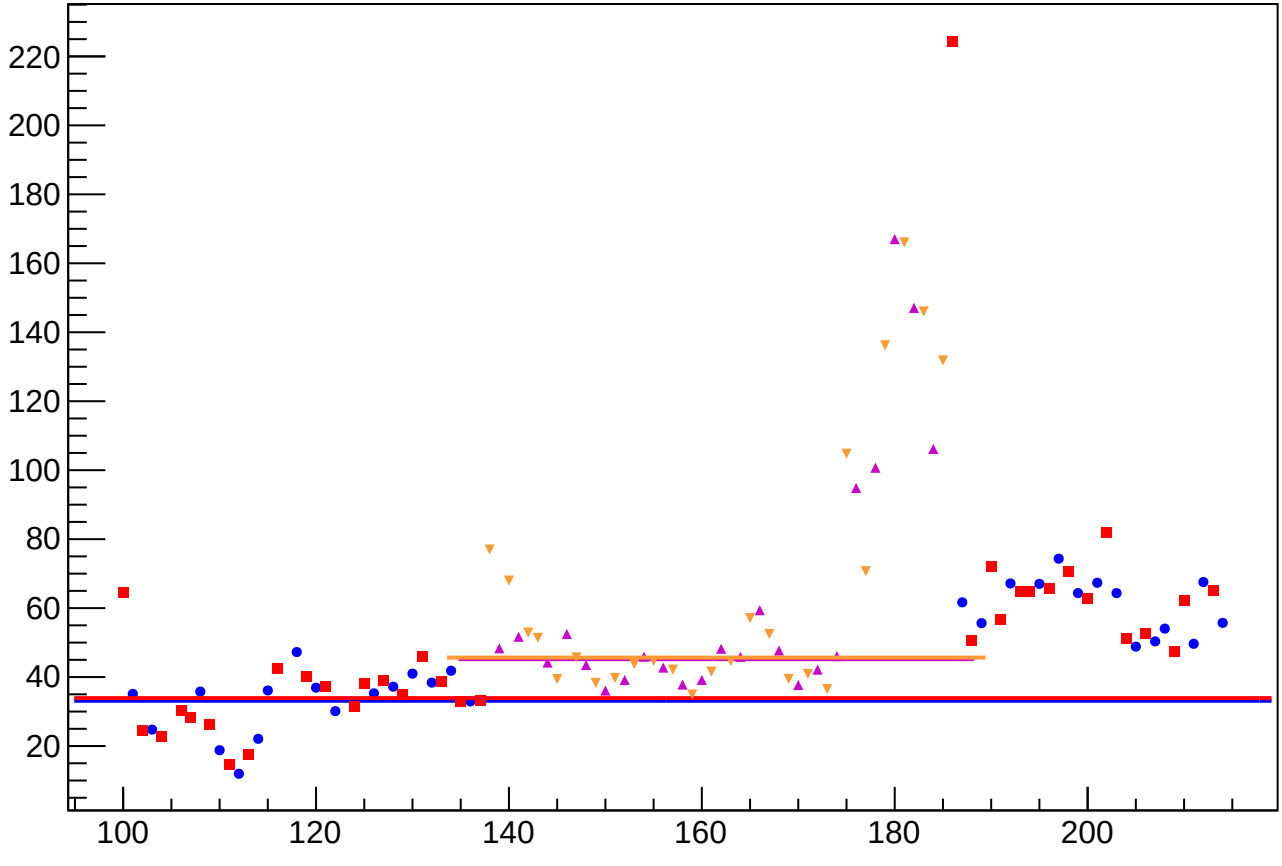
Right: 0.007+/-0.006 χ^2/NDF: 114.1/63

In: 0.005+/-0.007 χ^2/NDF:66.5/52

Out: 0.002+/-0.007 χ^2/NDF:90.8/58

All: 0.004+/-0.005 χ^2/NDF: 157.4/111

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

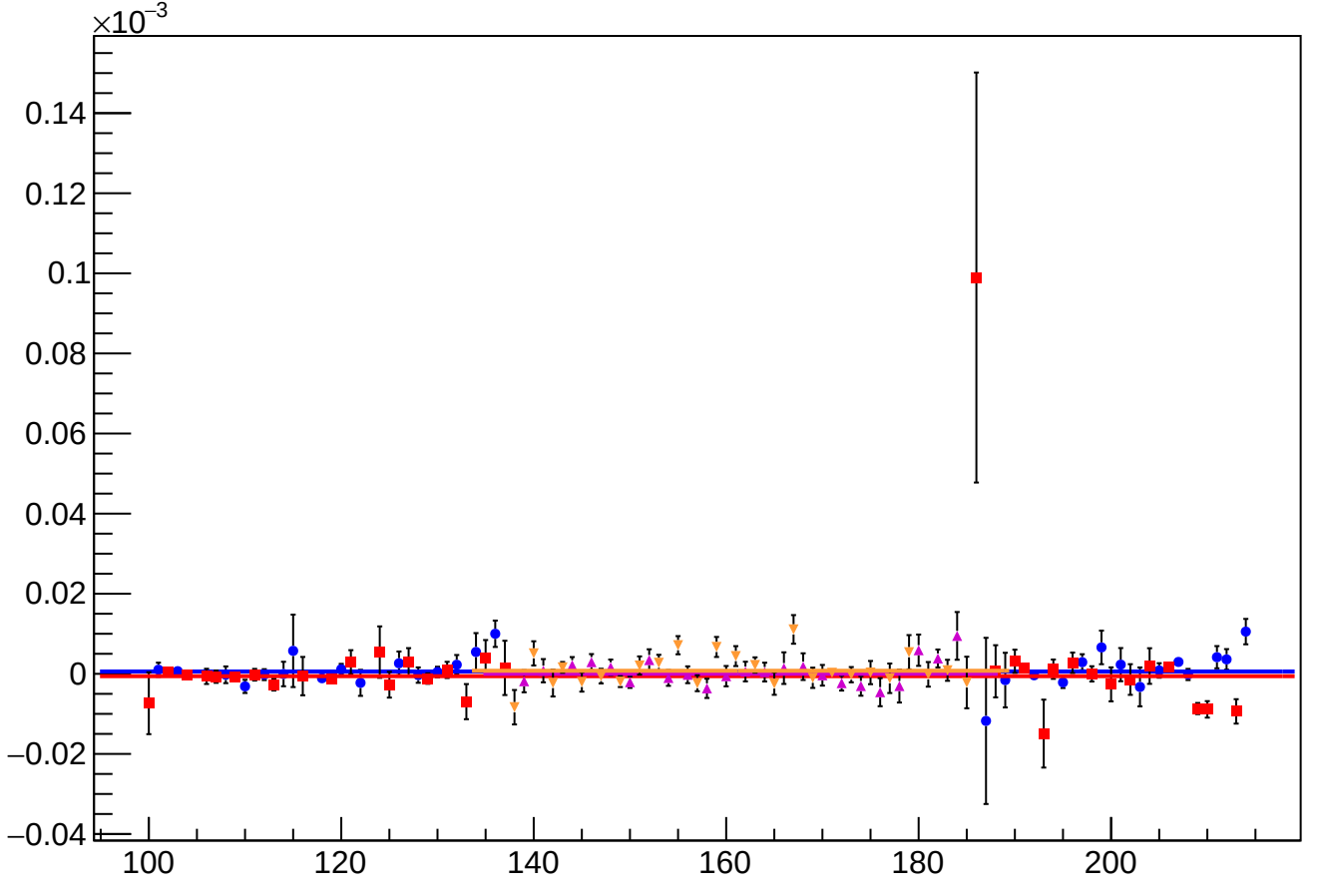
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 33.515+/-0.004 χ^2/NDF: 15717288.3/63

In: 37.745+/-0.005 χ^2/NDF:12361508.3/52

Out: 38.462+/-0.005 χ^2/NDF:13071154.3/58

All: 38.105+/-0.004 χ^2/NDF: 25443042.5/11



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

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

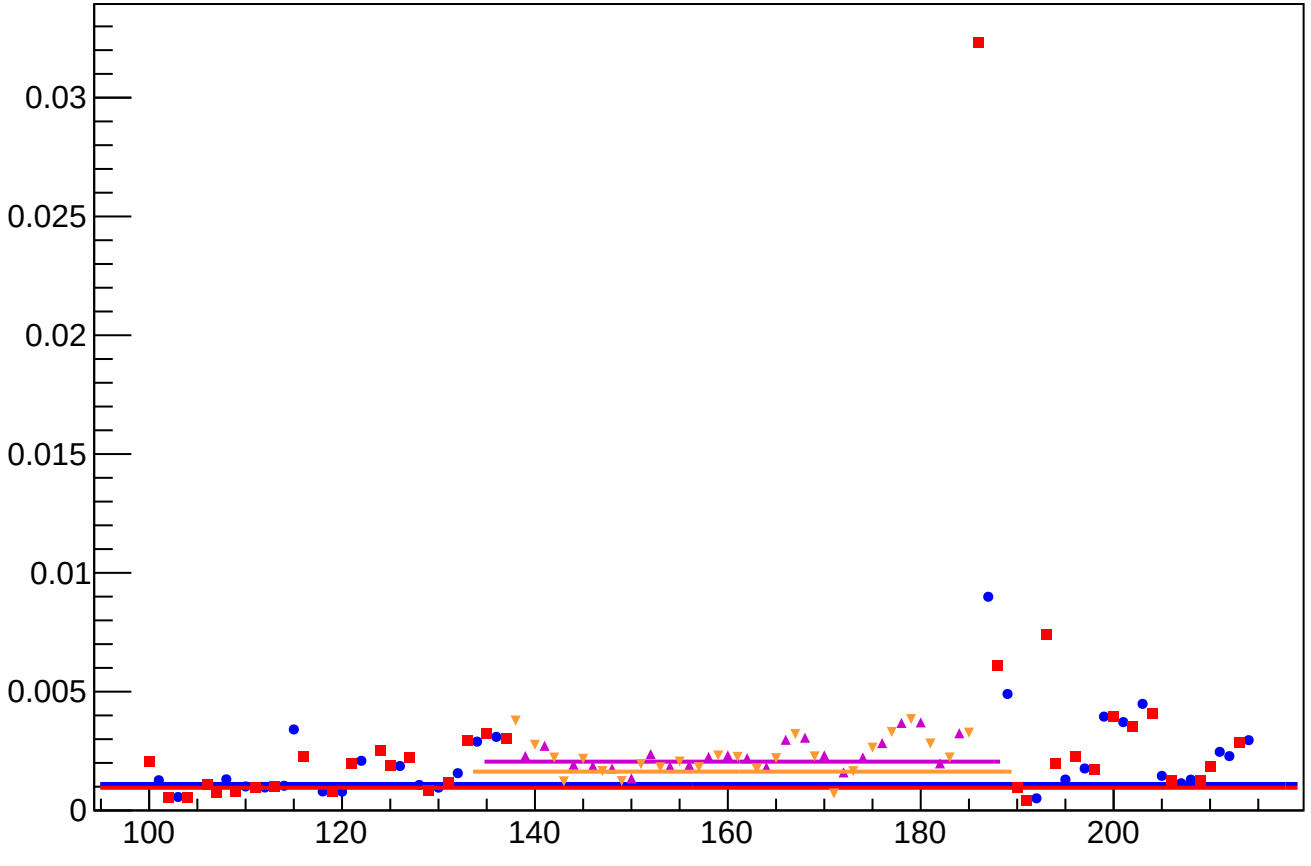
Right: -0.000+/-0.000 χ^2/NDF: 144.9/63

In: 0.000+/-0.000 χ^2/NDF:71.4/52

Out: -0.000+/-0.000 χ^2/NDF:144.8/58

All: 0.000+/-0.000 χ^2/NDF: 218.8/111

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

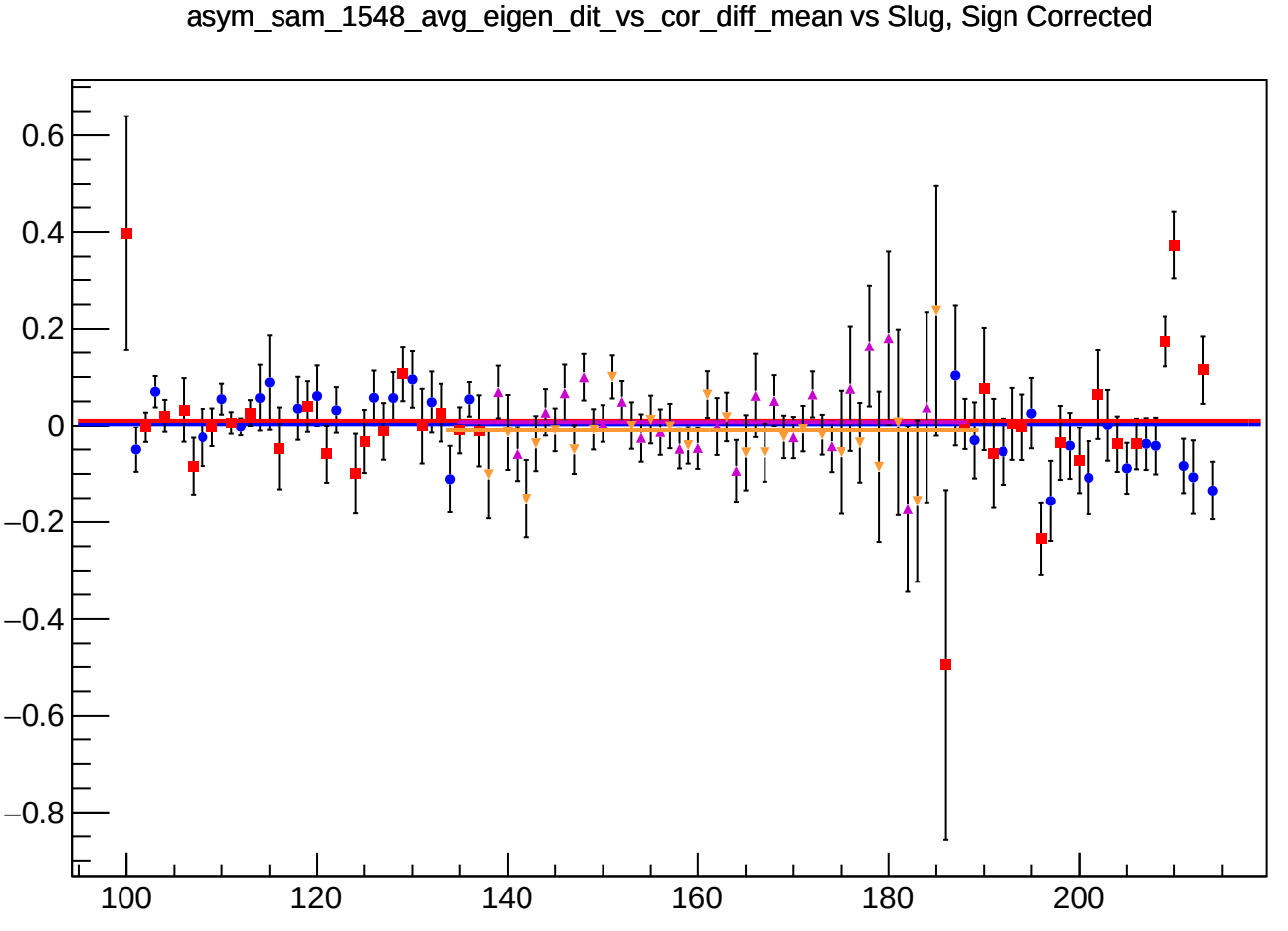
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 22654918.0/63

In: 0.001+/-0.000 χ^2/NDF:16247156.8/52

Out: 0.001+/-0.000 χ^2/NDF:23441074.4/58

All: 0.001+/-0.000 χ^2/NDF: 40411877.0/111



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

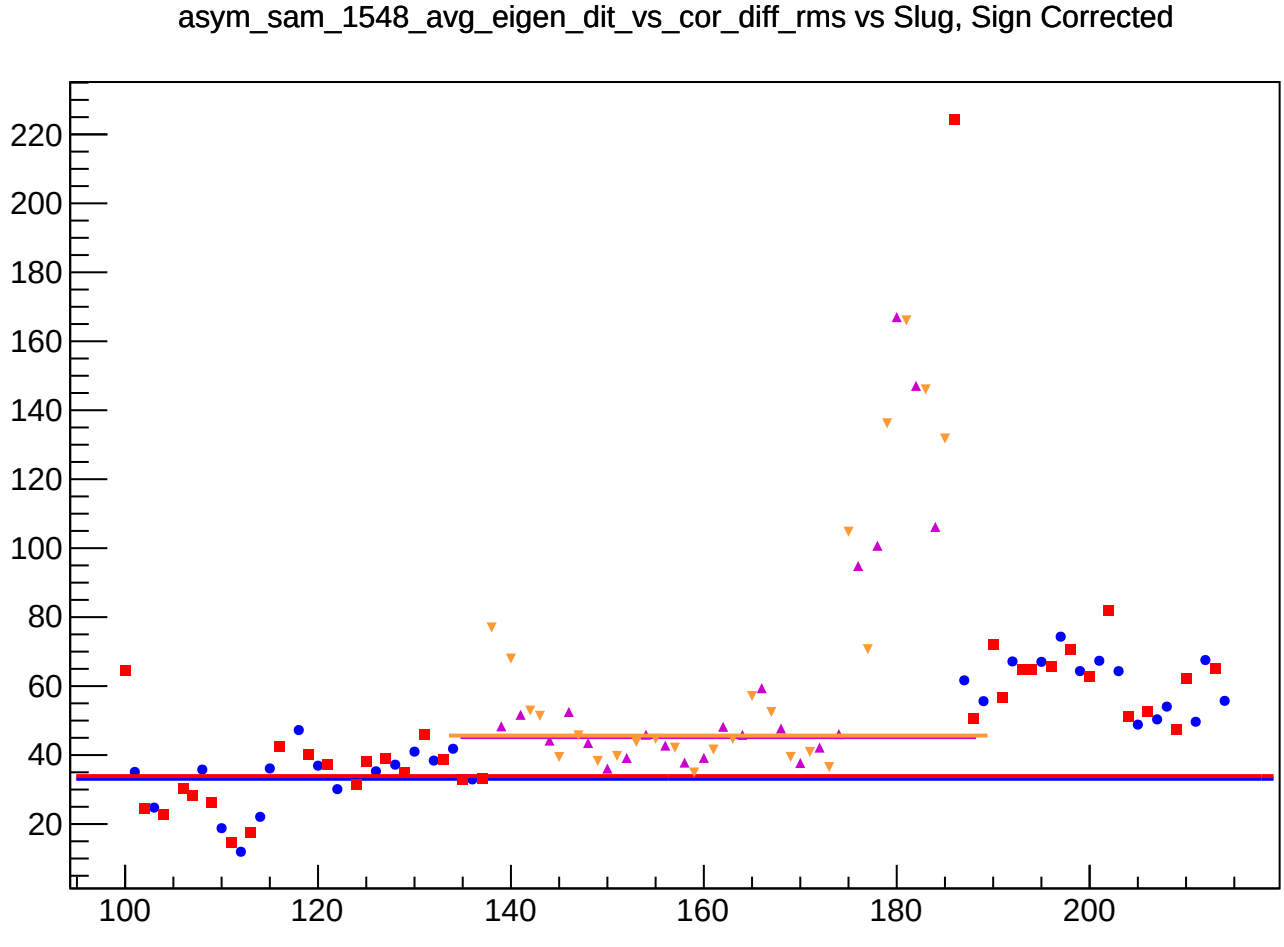
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.007+/-0.006 χ^2/NDF: 114.1/63

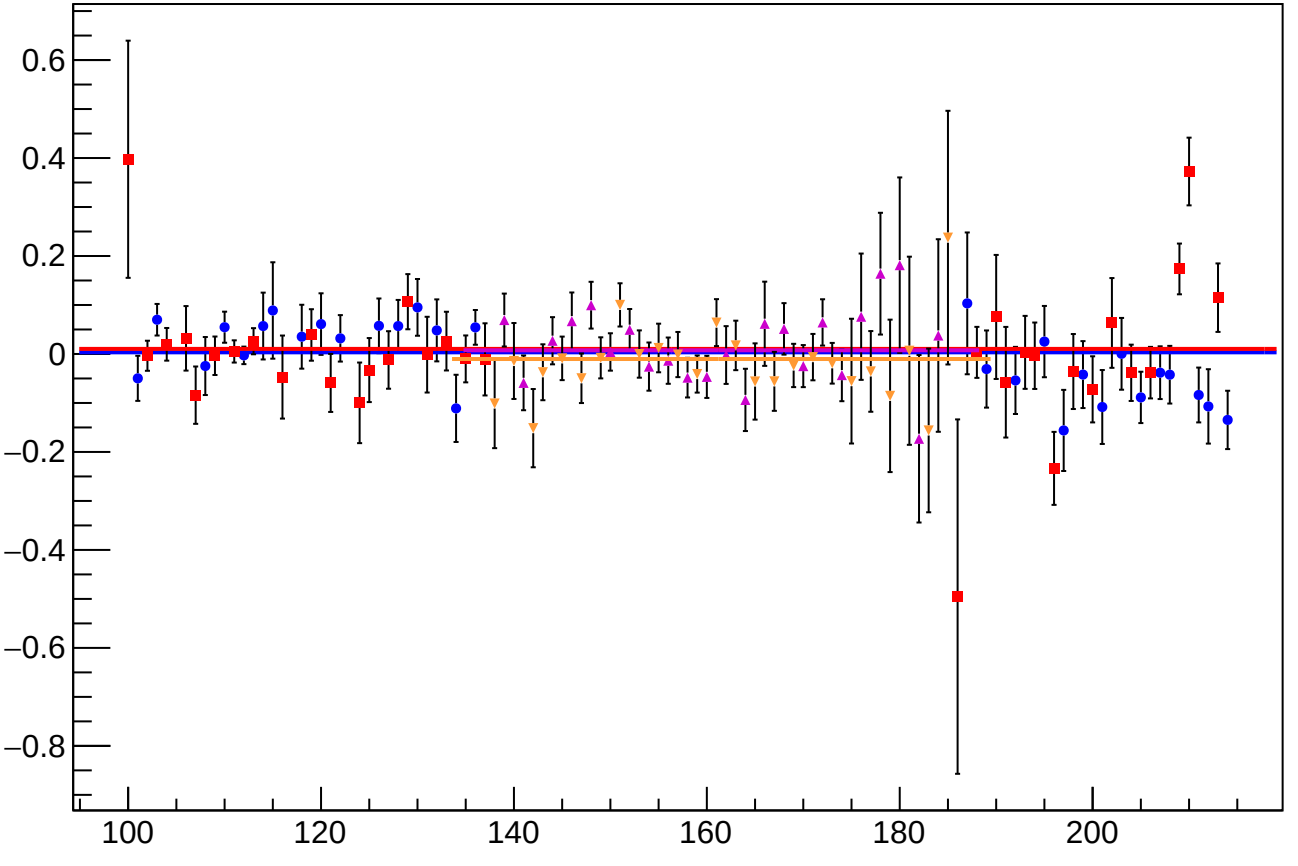
In: 0.005+/-0.007 χ^2/NDF:66.5/52

Out: 0.002+/-0.007 χ^2/NDF:90.8/58

All: 0.004+/-0.005 χ^2/NDF: 157.4/111


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
220
200
180
160
140
120
100
80
60
40
20
100
120
140
160
180
200
Right In: 33.130+/-0.006 χ²/NDF: 7983226.2/29
Left Out: 45.651+/-0.008 χ²/NDF:4015154.4/24
Right Out: 33.899+/-0.006 χ²/NDF: 7727280.4/33
Left In: 45.218+/-0.008 χ²/NDF:2992449.1/22
Left: 45.437+/-0.006 χ²/NDF: 7009058.4/47
Right: 33.514+/-0.004 χ²/NDF: 15717842.7/63
In: 37.744+/-0.005 χ²/NDF:12361963.7/52
Out: 38.462+/-0.005 χ²/NDF:13071514.4/58
All: 38.104+/-0.004 χ²/NDF: 25443861.7/111

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

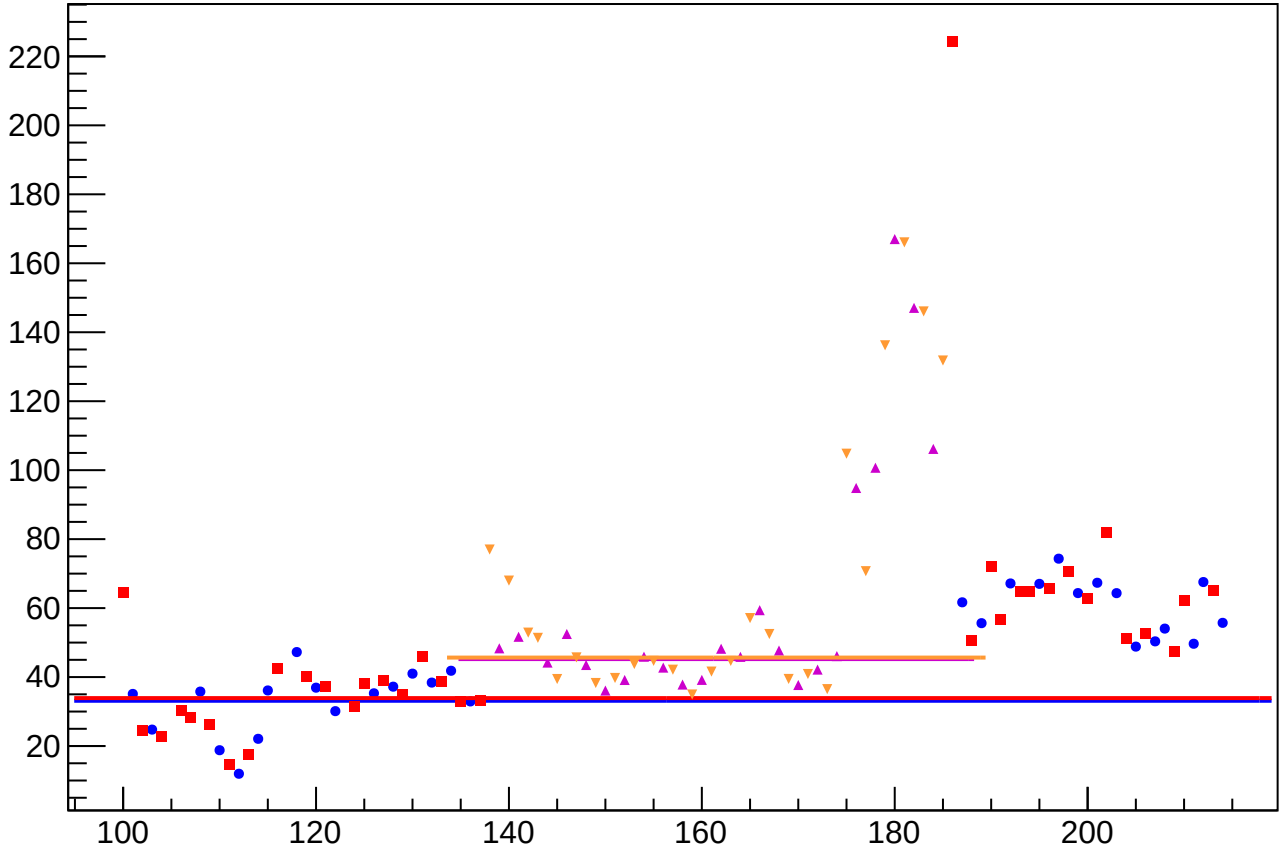
Right: 0.007+/-0.006 χ^2/NDF: 114.1/63

In: 0.005+/-0.007 χ^2/NDF:66.5/52

Out: 0.002+/-0.007 χ^2/NDF:90.8/58

All: 0.004+/-0.005 χ^2/NDF: 157.4/111

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

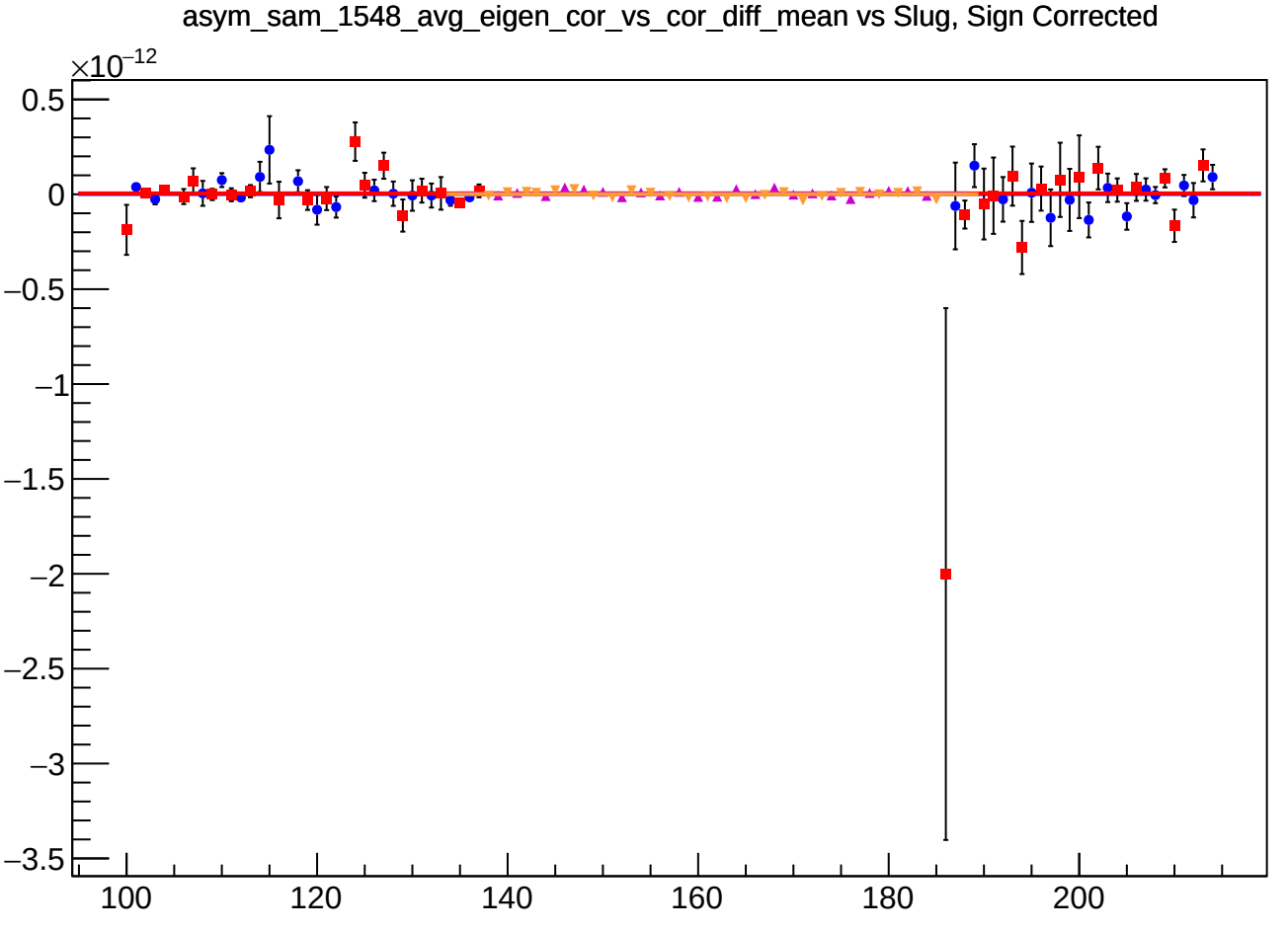
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 33.514+/-0.004 χ^2/NDF: 15717842.7/63

In: 37.744+/-0.005 χ^2/NDF:12361963.7/52

Out: 38.462+/-0.005 χ^2/NDF:13071514.4/58

All: 38.104+/-0.004 χ^2/NDF: 25443861.7/111



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

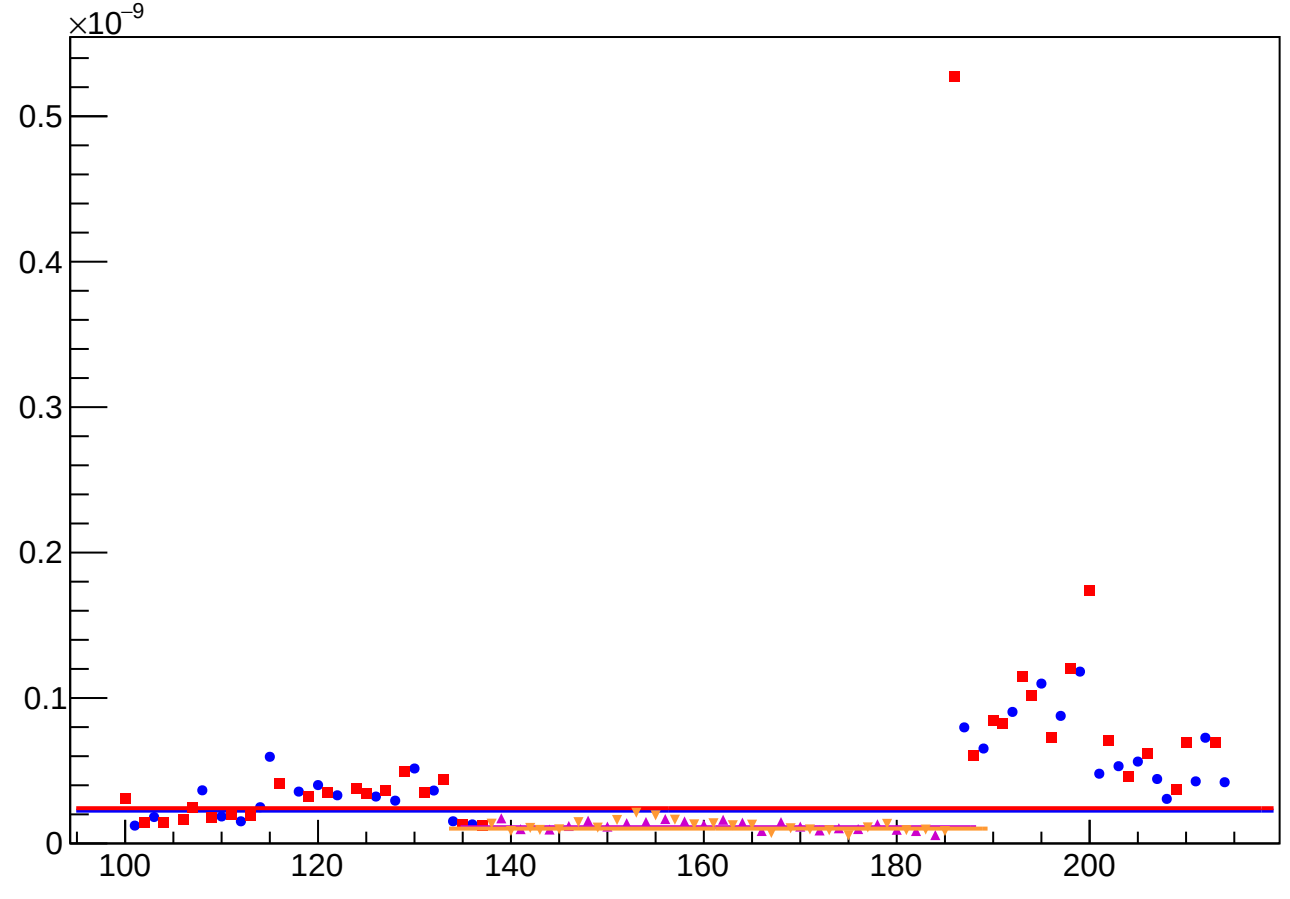
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 73.9/63

In: 0.000+/-0.000 χ^2/NDF:53.3/52

Out: 0.000+/-0.000 χ^2/NDF:69.9/58

All: 0.000+/-0.000 χ^2/NDF: 123.8/111



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

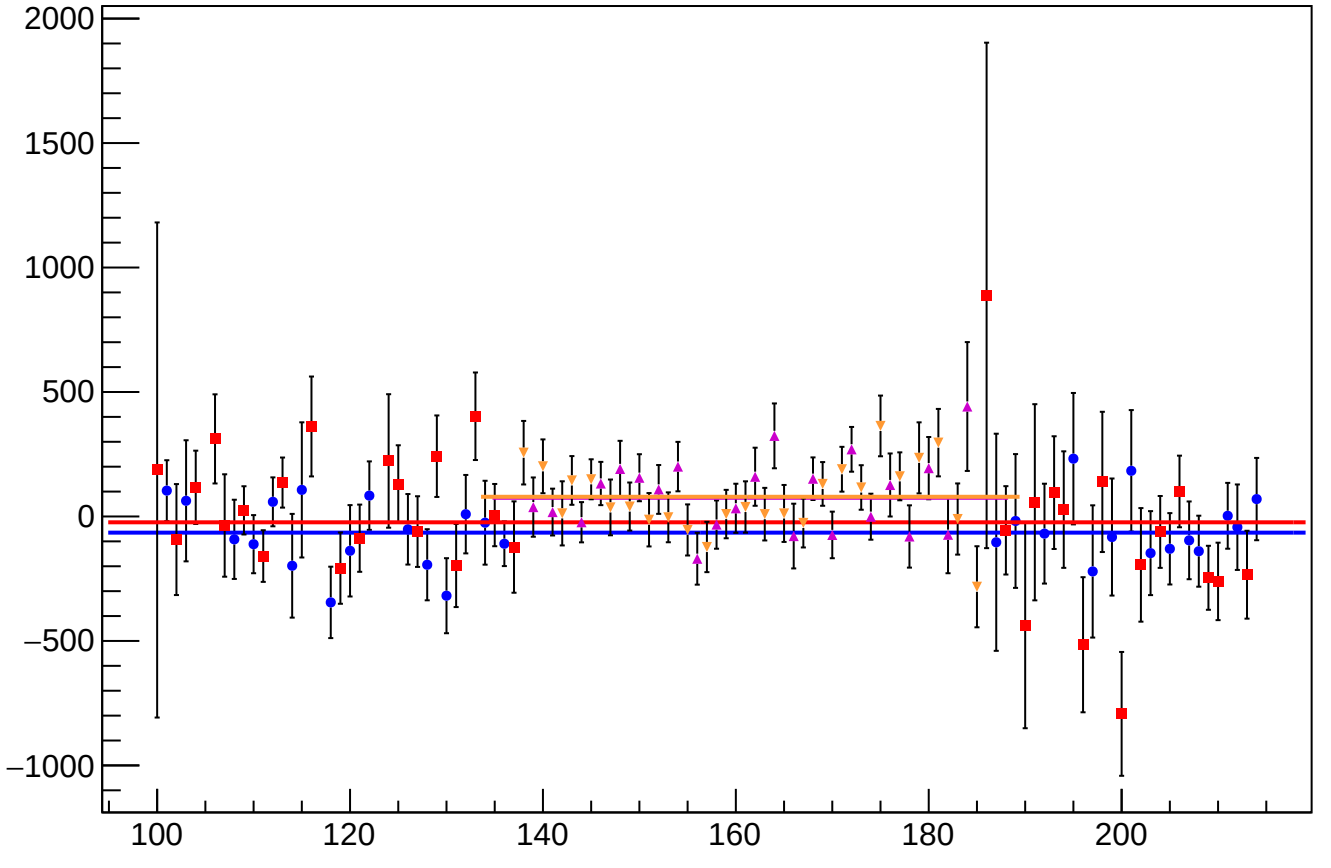
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16527530.9/63

In: 0.000+/-0.000 χ^2/NDF:12631366.1/52

Out: 0.000+/-0.000 χ^2/NDF:15971393.8/58

All: 0.000+/-0.000 χ^2/NDF: 28736729.4/111



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

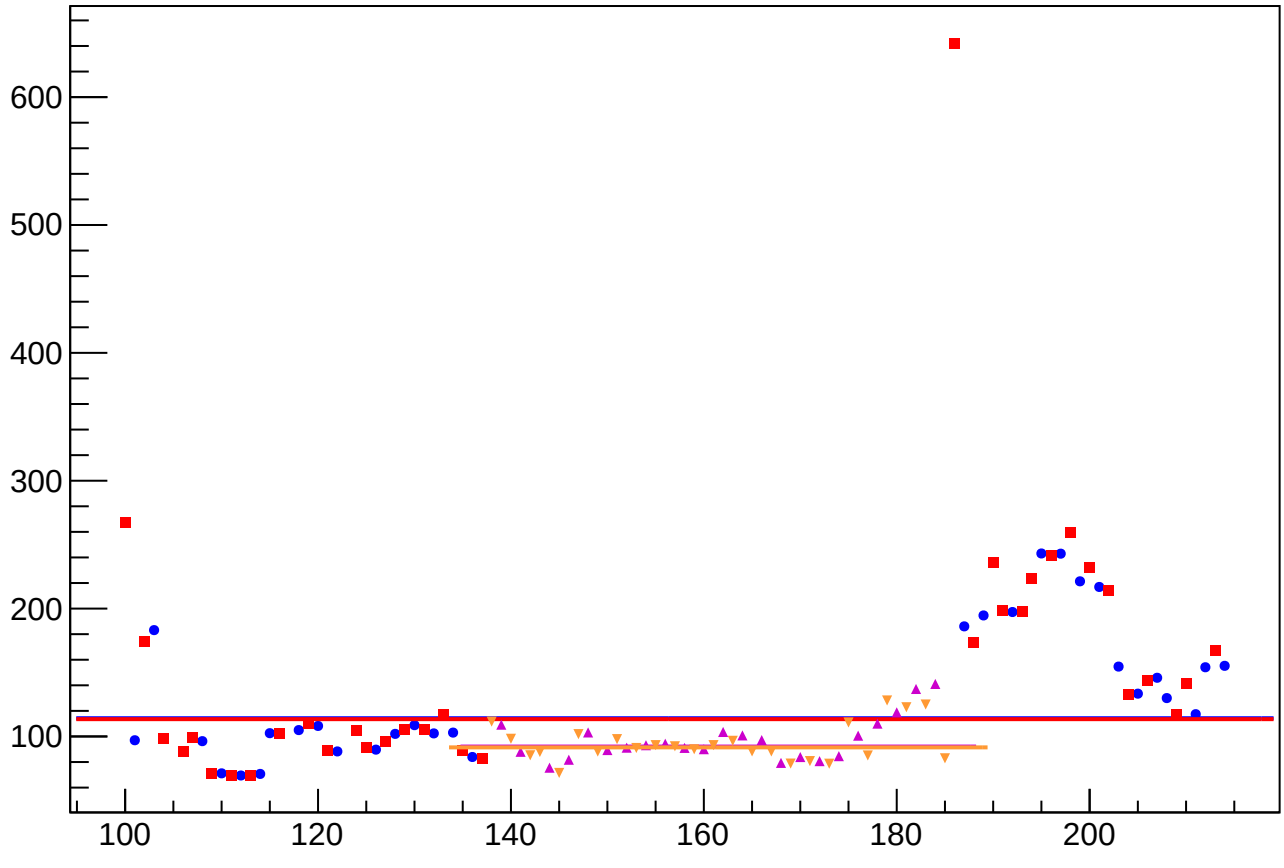
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -44.134+/-20.215 χ^2/NDF: 69.5/63

In: 23.564+/-17.364 χ^2/NDF:66.2/52

Out: 42.857+/-16.968 χ^2/NDF:90.3/58

All: 33.433+/-12.136 χ^2/NDF: 157.1/111



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

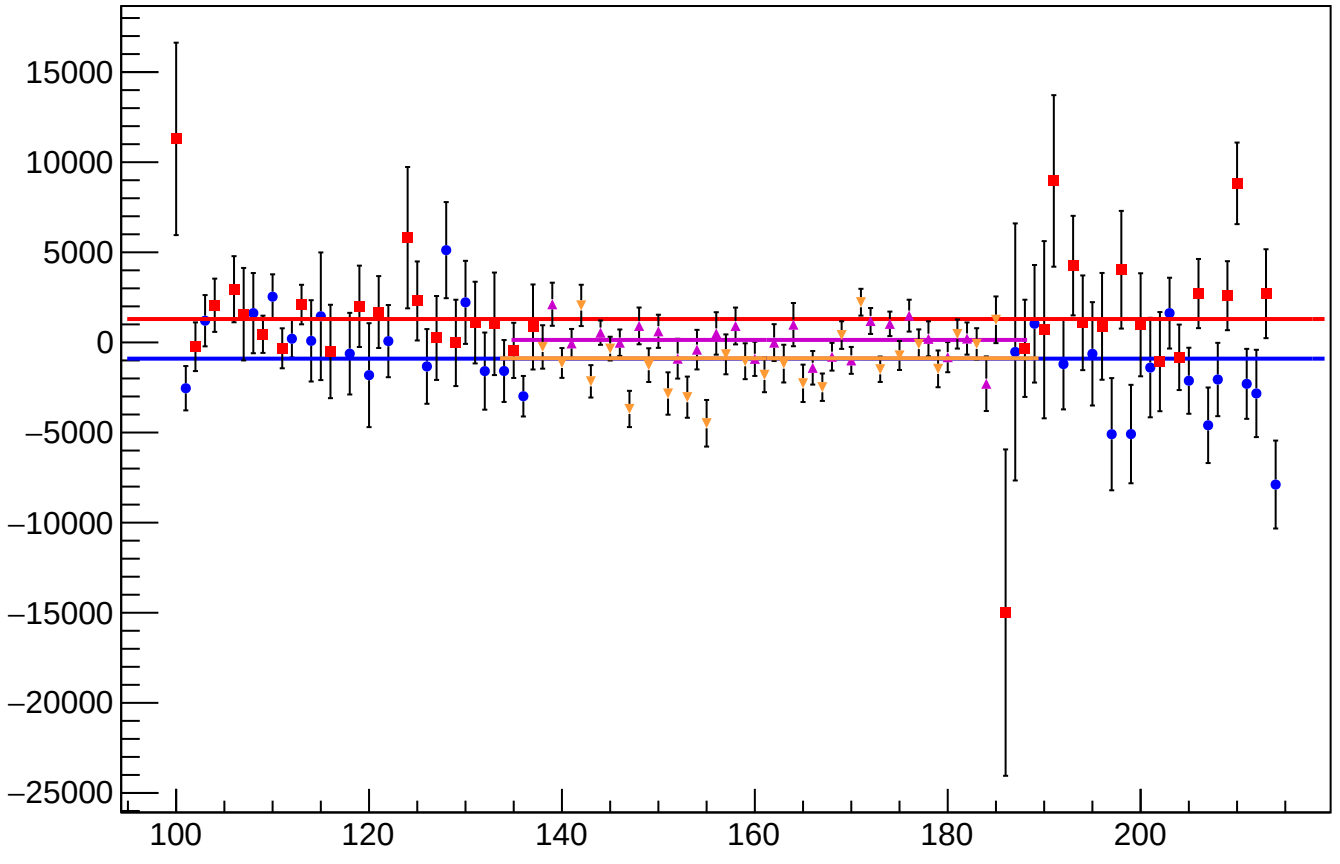
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 113.890+/-0.014 χ^2/NDF: 9843623.4/63

In: 100.245+/-0.012 χ^2/NDF:5648904.8/52

Out: 99.262+/-0.012 χ^2/NDF:7174776.8/58

All: 99.742+/-0.009 χ^2/NDF: 12826962.7/111



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

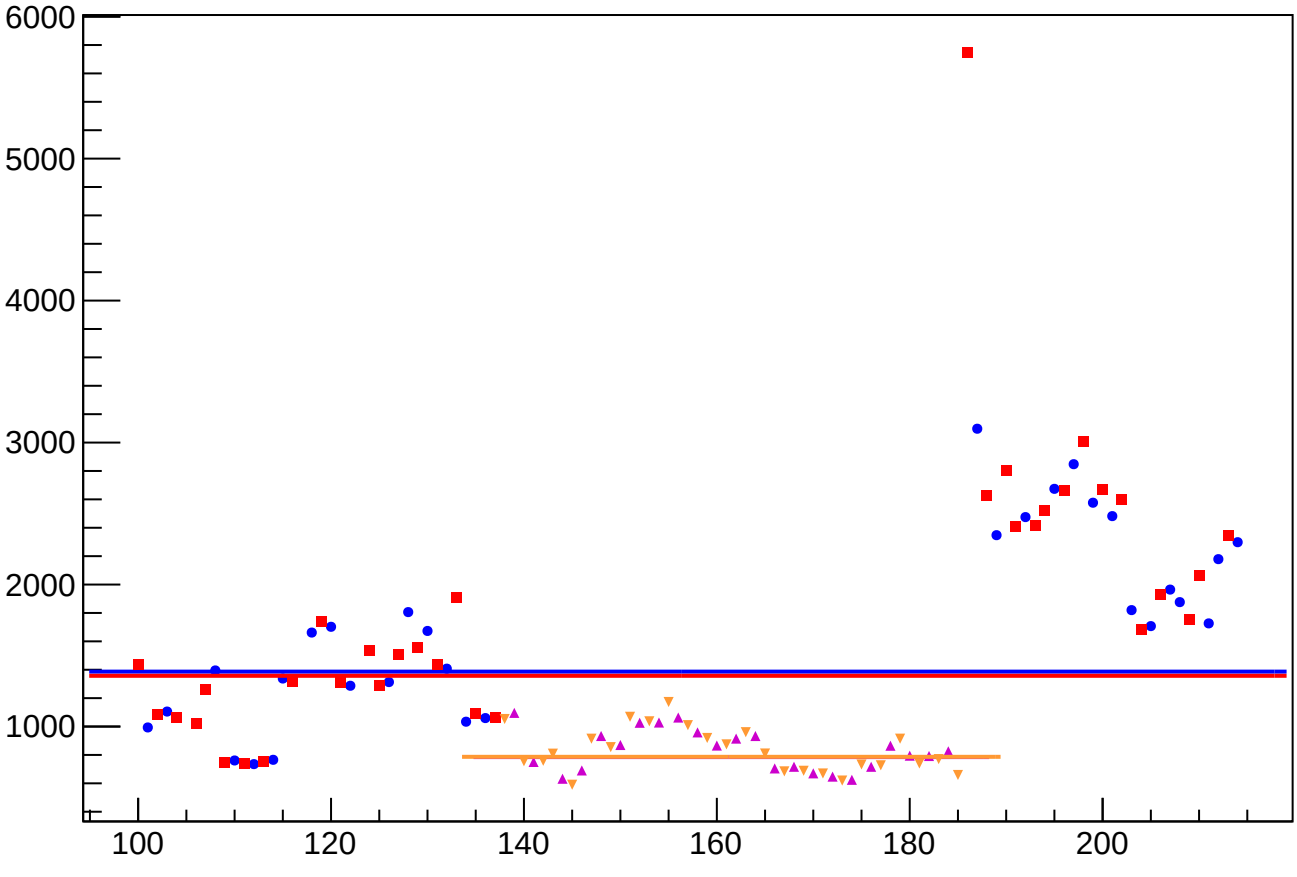
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 221.014+/-246.357 χ^2/NDF: 100.9/63

In: -89.234+/-164.845 χ^2/NDF:76.2/52

Out: -403.694+/-161.098 χ^2/NDF:134.7/58

All: -250.079+/-115.215 χ^2/NDF: 212.7/111



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

Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

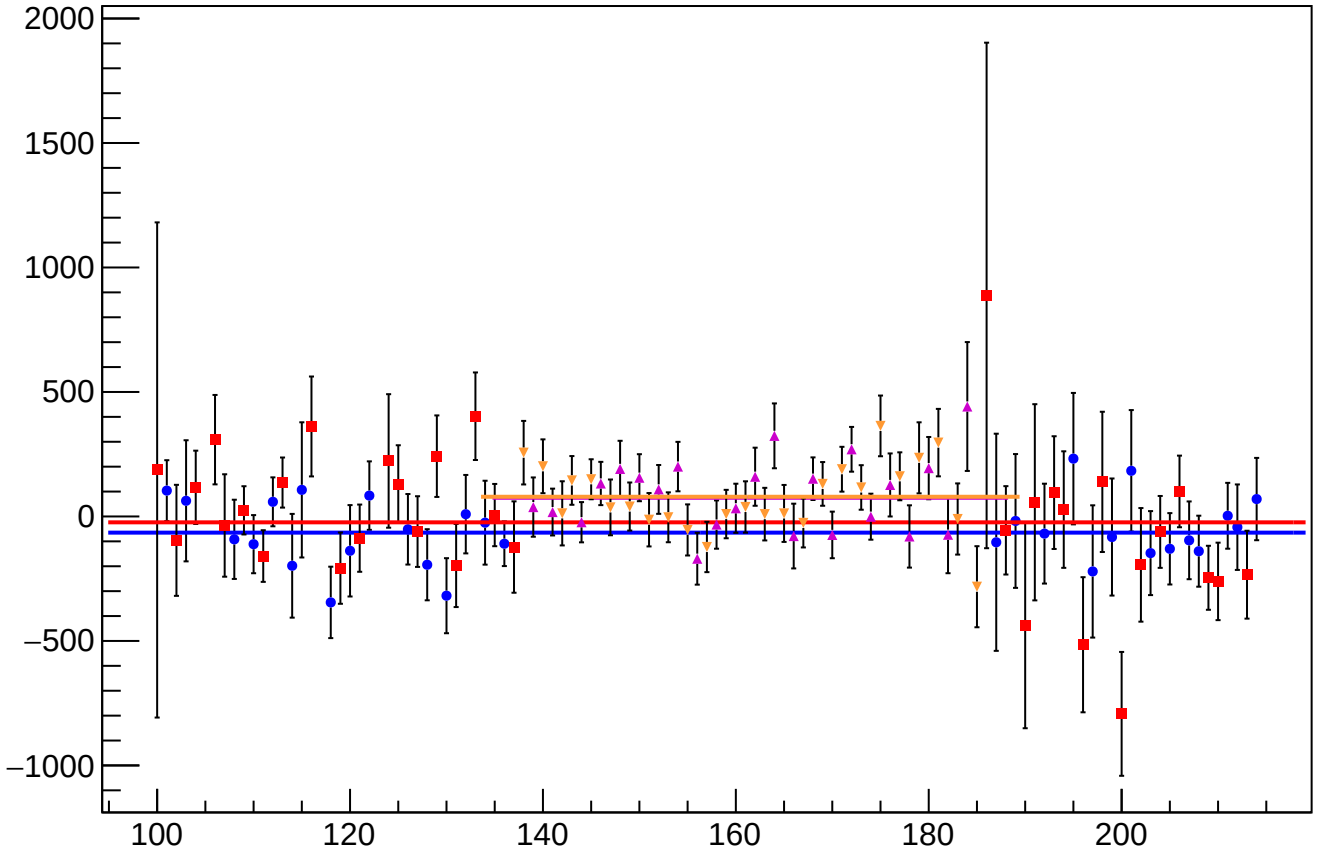
Right: 1371.789+/-0.174 χ^2/NDF: 12147795.0/63

In: 916.881+/-0.117 χ^2/NDF:10935596.1/52

Out: 911.216+/-0.114 χ^2/NDF:12325848.9/58

All: 913.983+/-0.081 χ^2/NDF: 23262653.4/11

cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

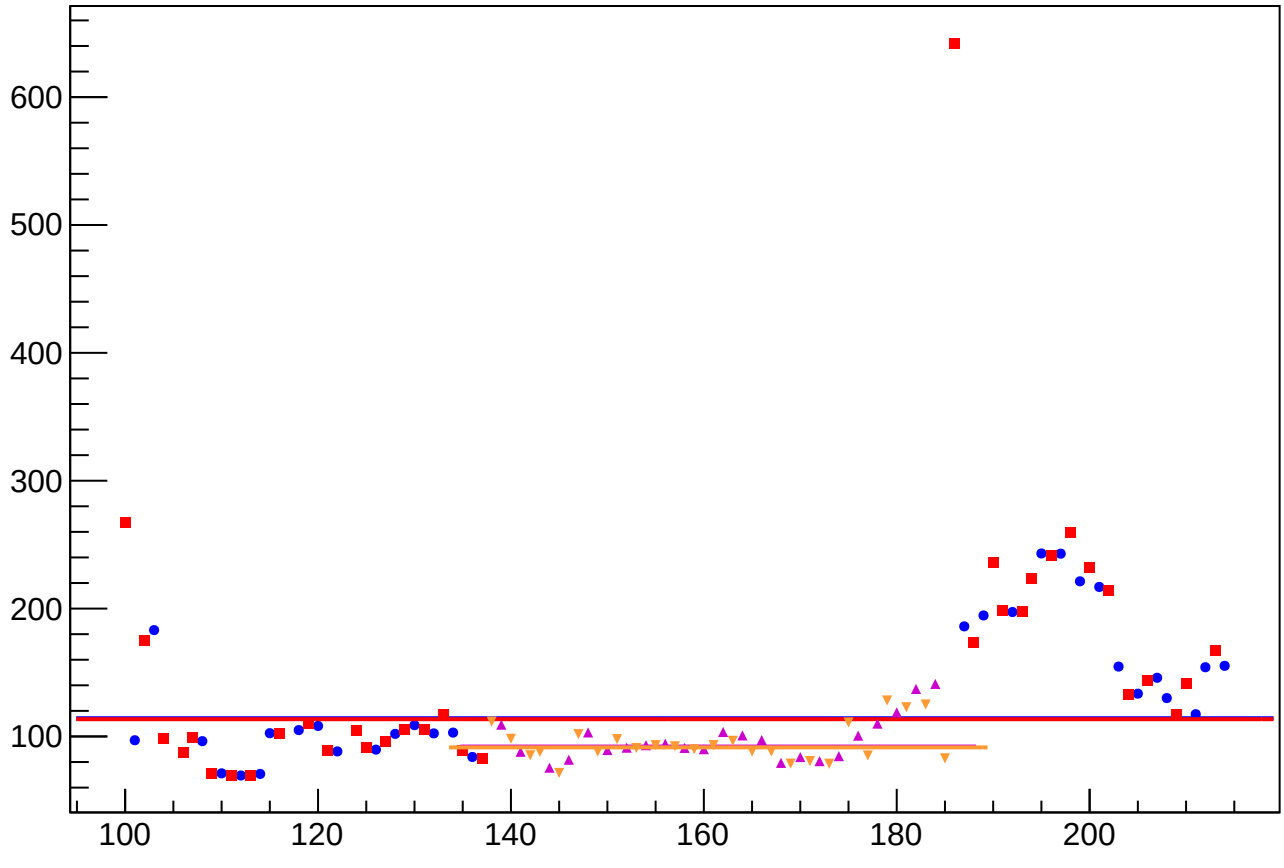
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -44.230+/-20.215 χ^2/NDF: 69.4/63

In: 23.561+/-17.364 χ^2/NDF:66.2/52

Out: 42.803+/-16.969 χ^2/NDF:90.2/58

All: 33.403+/-12.136 χ^2/NDF: 157.1/111



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

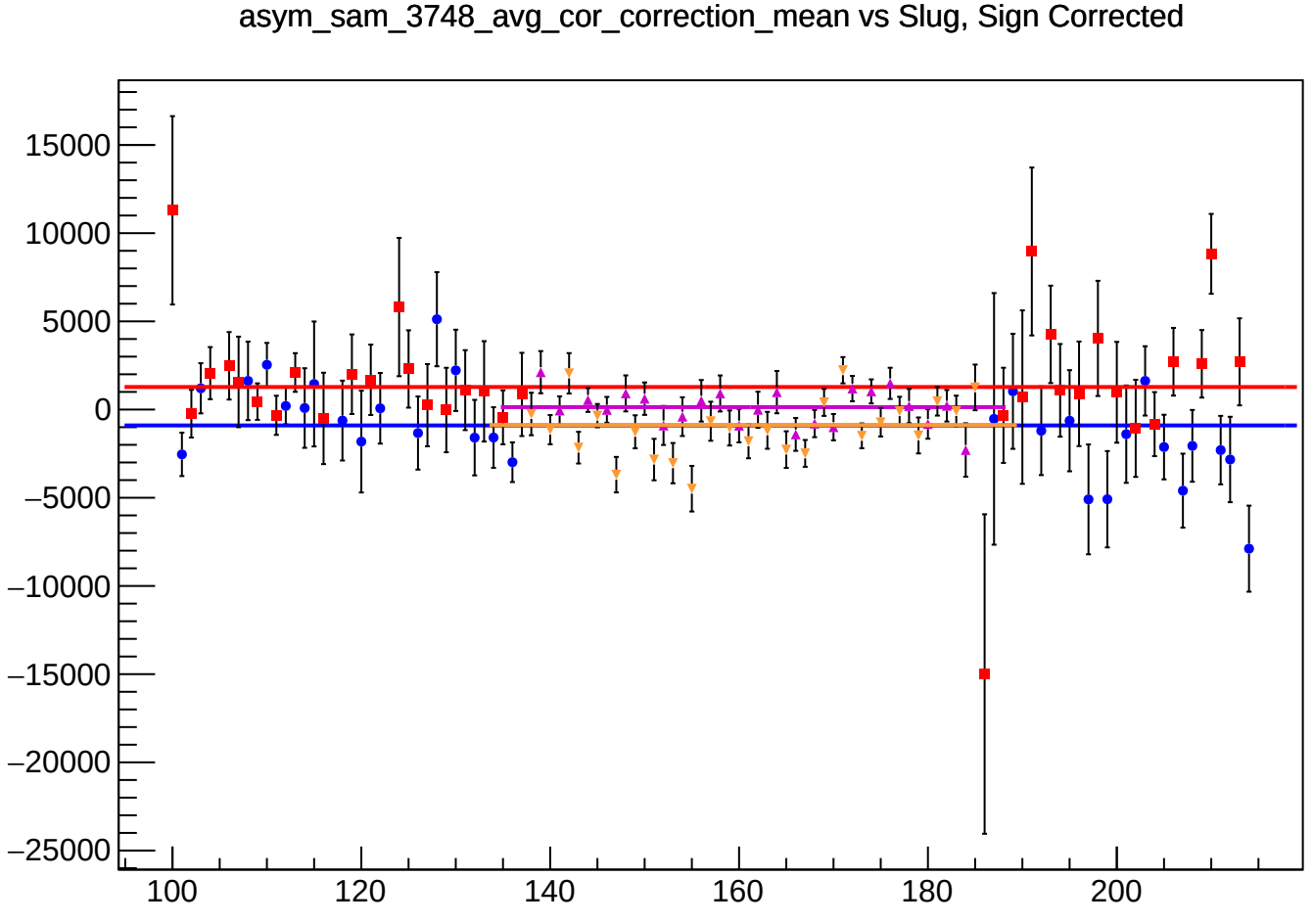
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 113.875+/-0.014 χ^2/NDF: 9847825.5/63

In: 100.245+/-0.012 χ^2/NDF:5648907.9/52

Out: 99.251+/-0.012 χ^2/NDF:7176810.1/58

All: 99.737+/-0.009 χ^2/NDF: 12829073.5/111



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

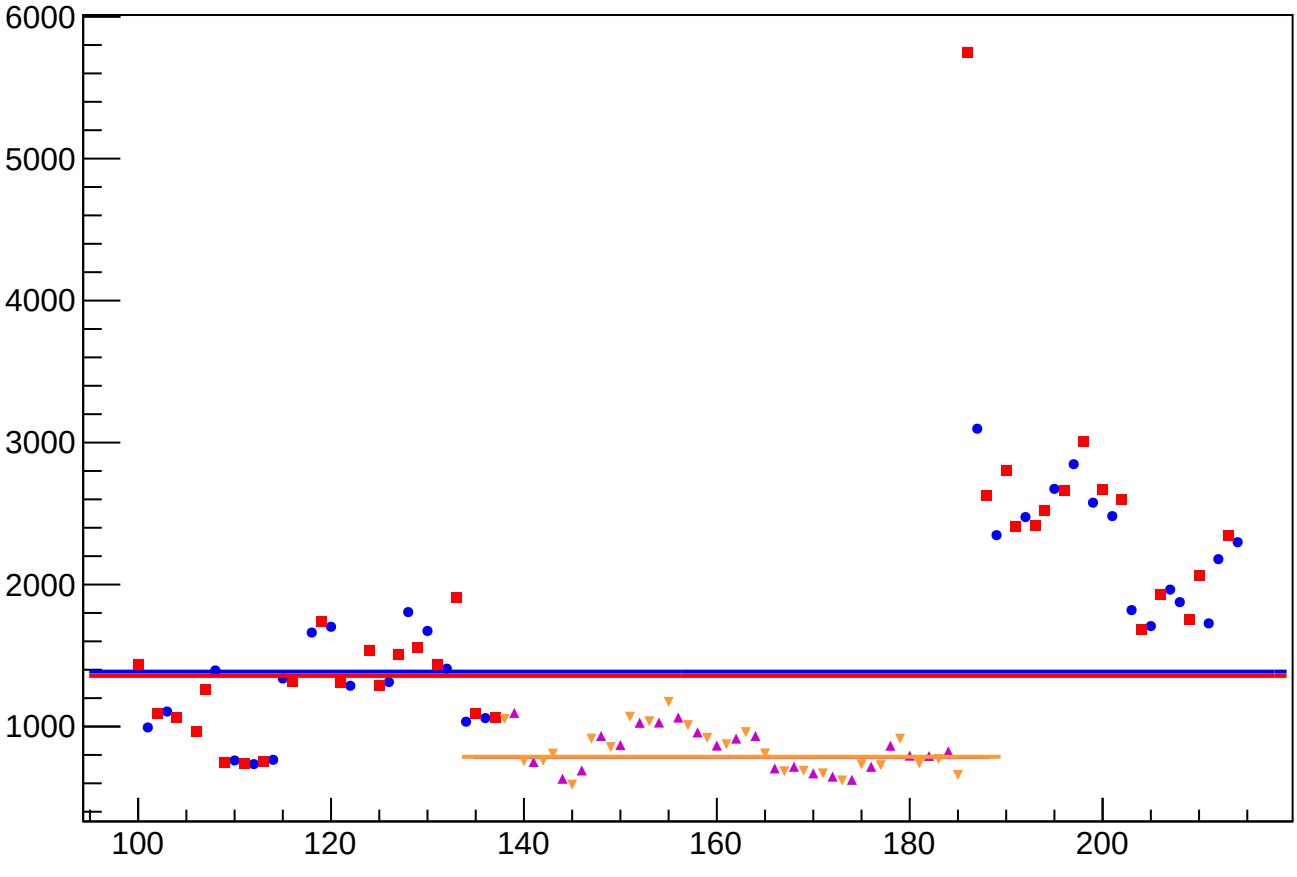
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 209.406+/-246.545 χ^2/NDF: 100.1/63

In: -89.234+/-164.845 χ^2/NDF:76.2/52

Out: -409.051+/-161.150 χ^2/NDF:133.6/58

All: -252.767+/-115.235 χ^2/NDF: 211.7/111



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

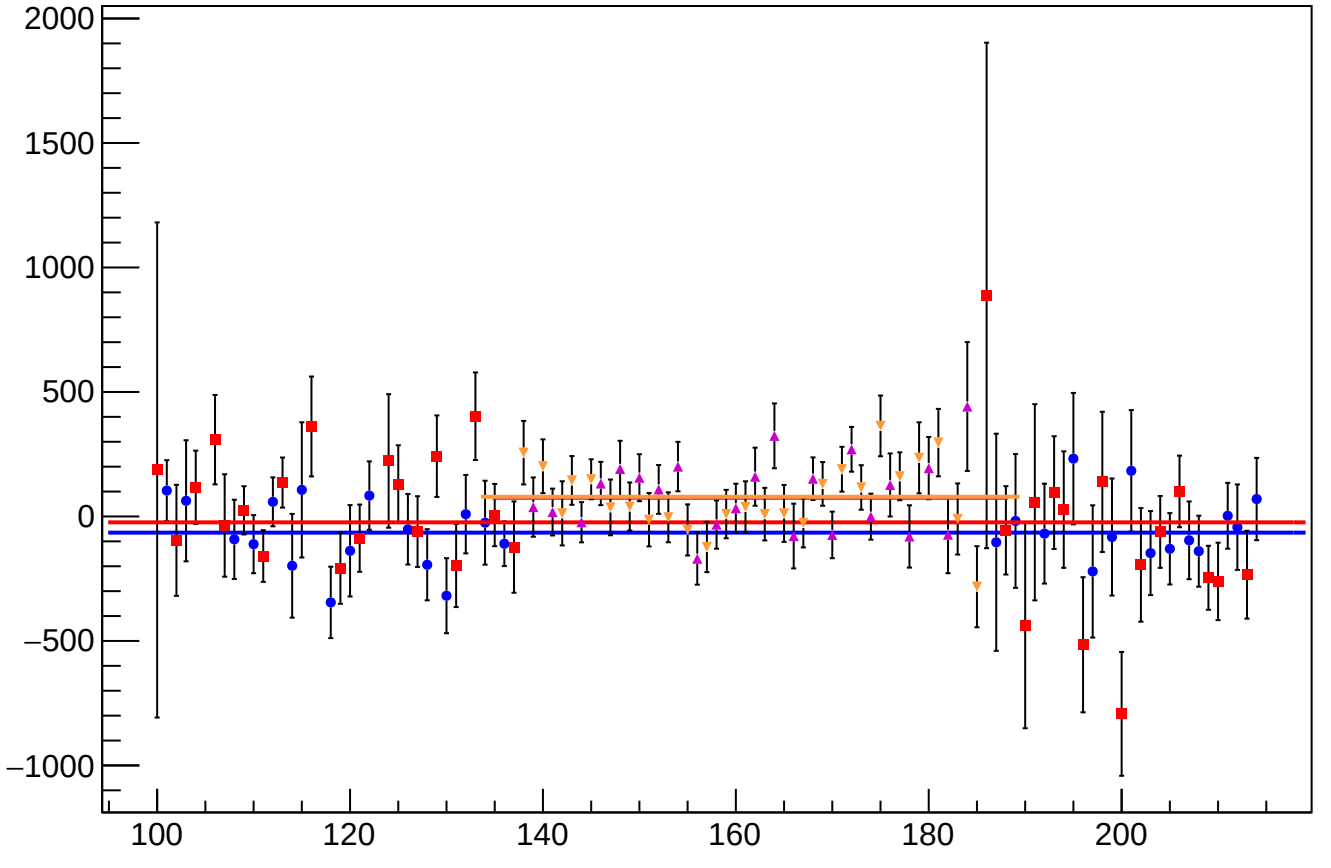
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1371.401+/-0.174 χ^2/NDF: 12164622.7/63

In: 916.882+/-0.117 χ^2/NDF:10935628.1/52

Out: 910.749+/-0.114 χ^2/NDF:12320236.6/58

All: 913.746+/-0.081 χ^2/NDF: 23257280.5/11



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

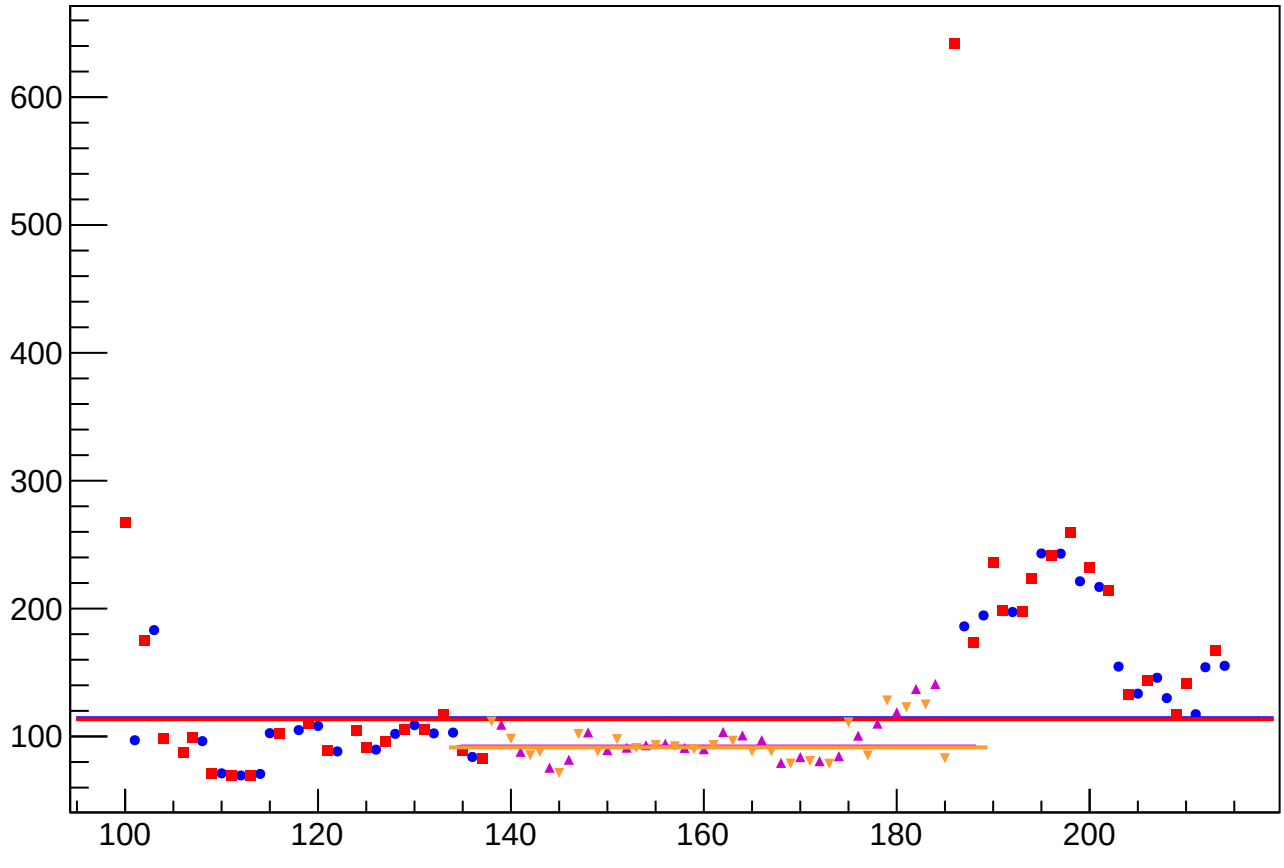
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -44.230+/-20.215 χ^2/NDF: 69.4/63

In: 23.561+/-17.364 χ^2/NDF:66.2/52

Out: 42.803+/-16.969 χ^2/NDF:90.2/58

All: 33.403+/-12.136 χ^2/NDF: 157.1/111



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

Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

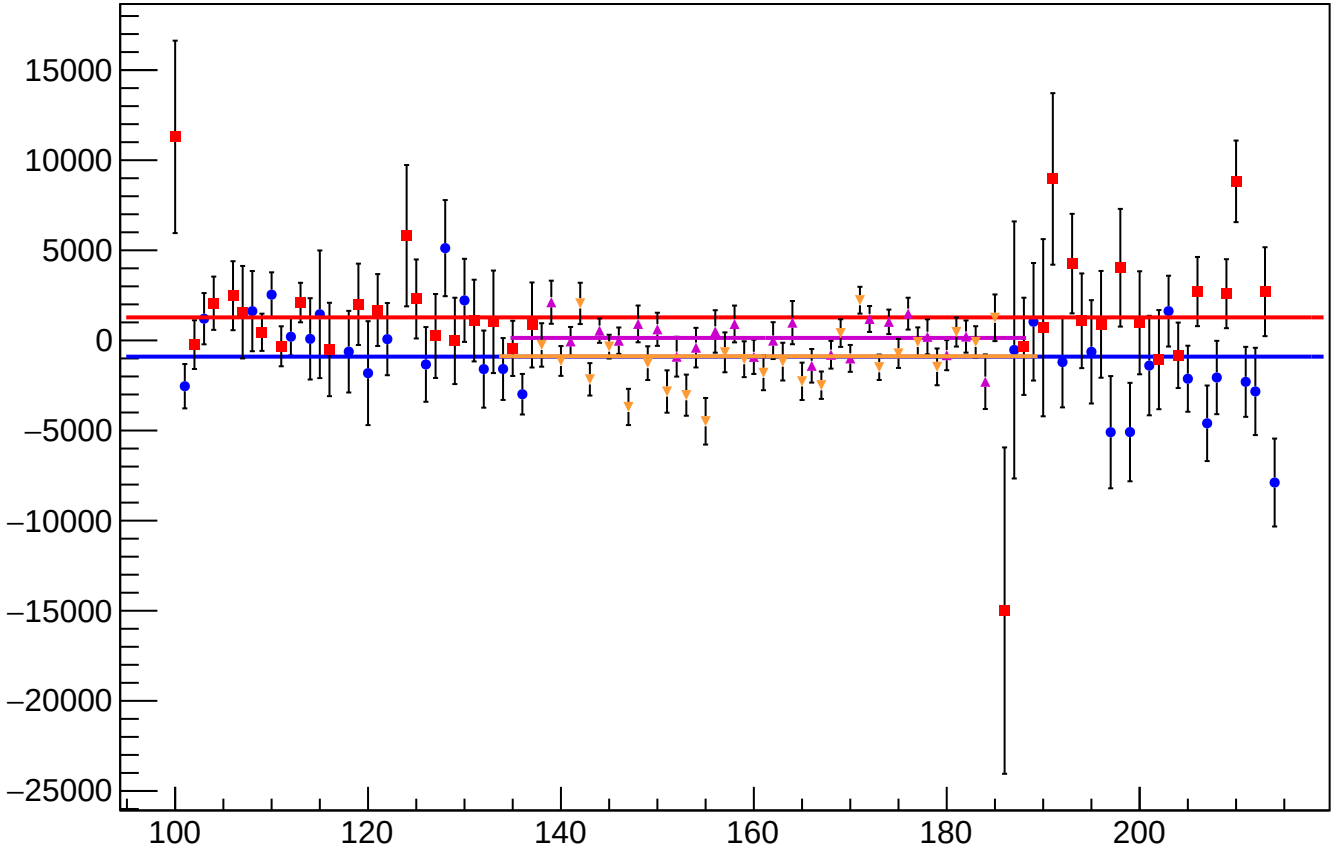
Right: 113.875+/-0.014 χ^2/NDF: 9847825.5/63

In: 100.245+/-0.012 χ^2/NDF:5648907.9/52

Out: 99.251+/-0.012 χ^2/NDF:7176810.1/58

All: 99.737+/-0.009 χ^2/NDF: 12829073.5/111

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

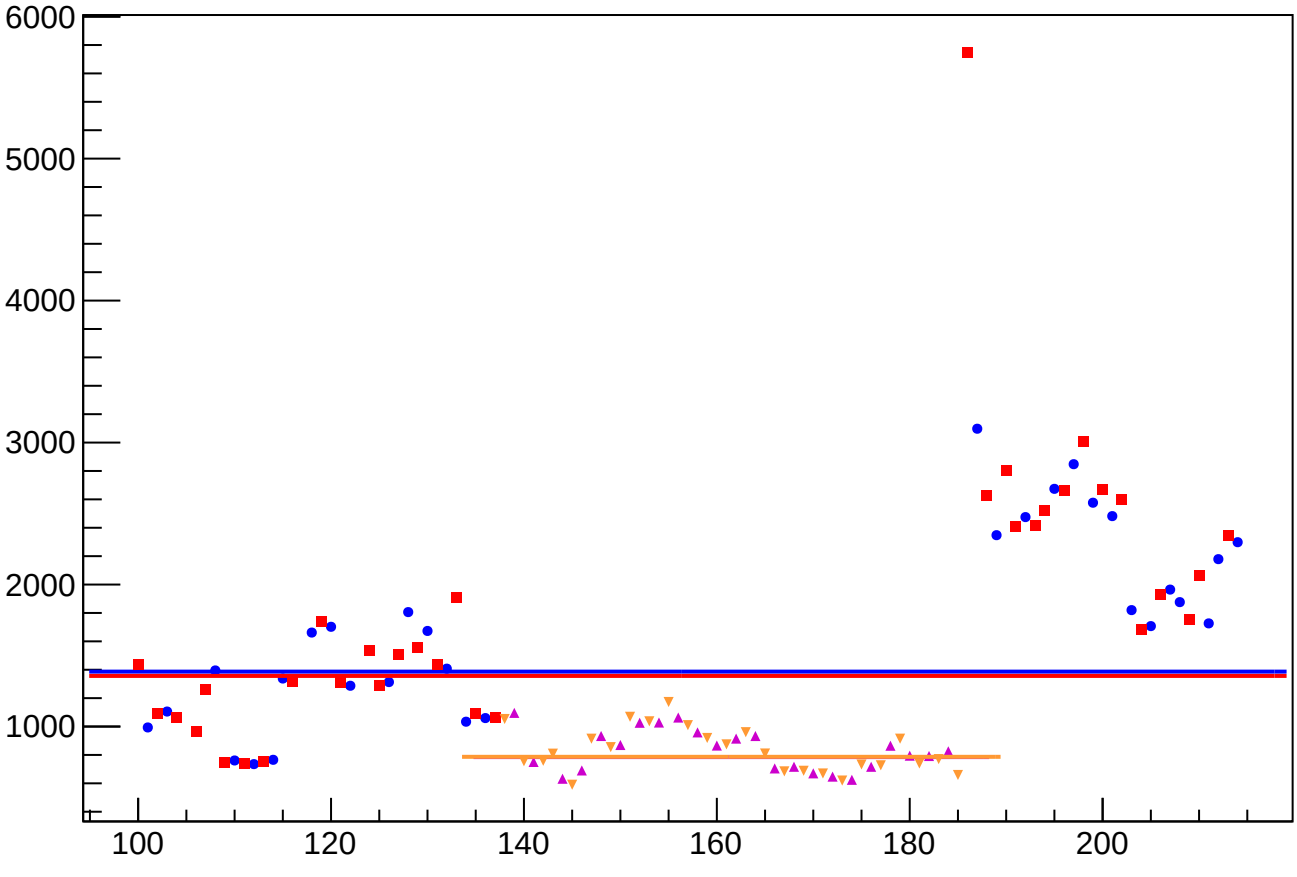
Right: 209.406+/-246.545 χ^2/NDF: 100.1/63

In: -89.234+/-164.845 χ^2/NDF:76.2/52

Out: -409.051+/-161.150 χ^2/NDF:133.6/58

All: -252.767+/-115.235 χ^2/NDF: 211.7/111

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

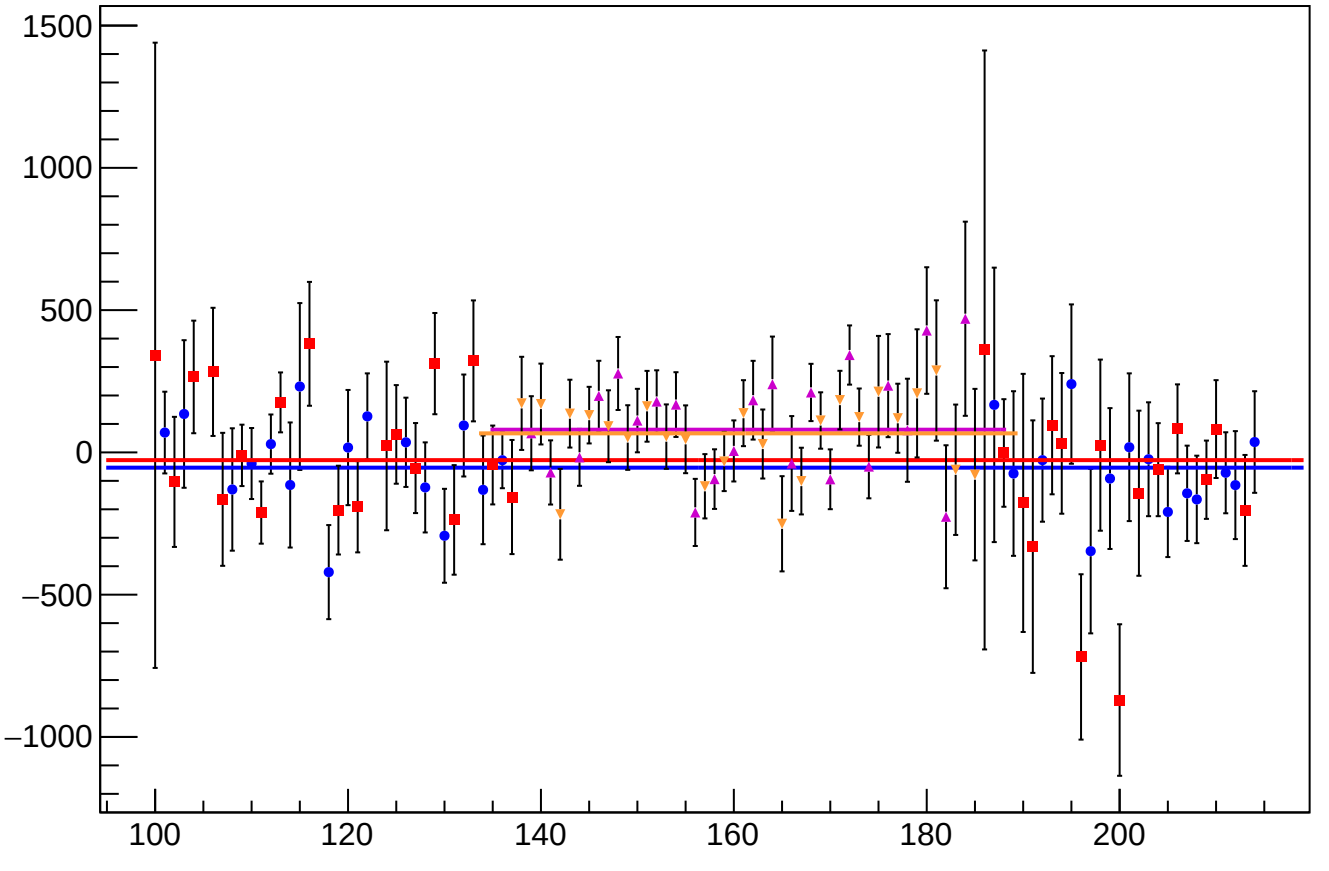
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1371.401+/-0.174 χ^2/NDF: 12164622.7/63

In: 916.882+/-0.117 χ^2/NDF:10935628.1/52

Out: 910.749+/-0.114 χ^2/NDF:12320236.6/58

All: 913.746+/-0.081 χ^2/NDF: 23257280.5/11



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

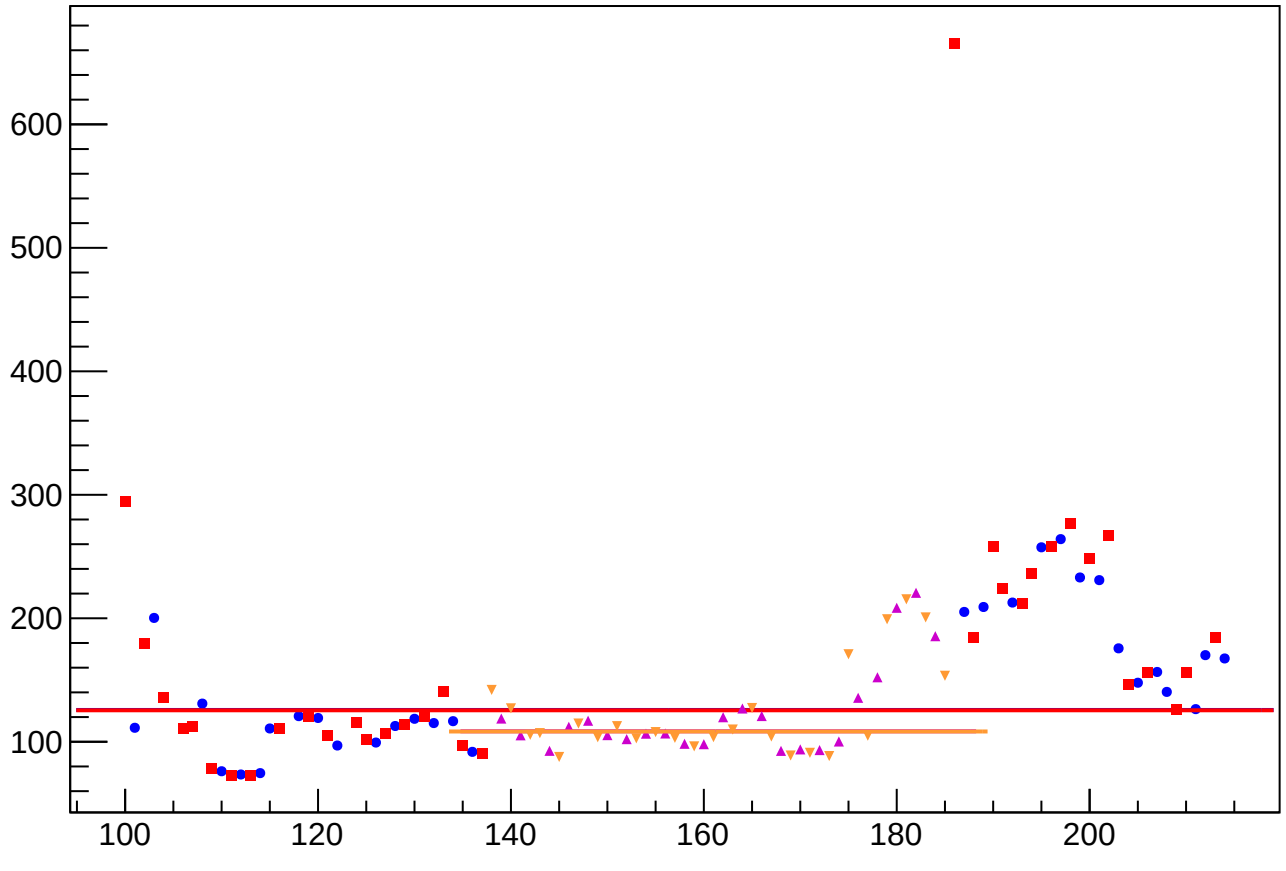
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -40.422+/-22.353 χ^2/NDF: 62.4/63

In: 25.151+/-20.210 χ^2/NDF:65.2/52

Out: 29.707+/-19.894 χ^2/NDF:69.2/58

All: 27.465+/-14.178 χ^2/NDF: 134.4/111



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

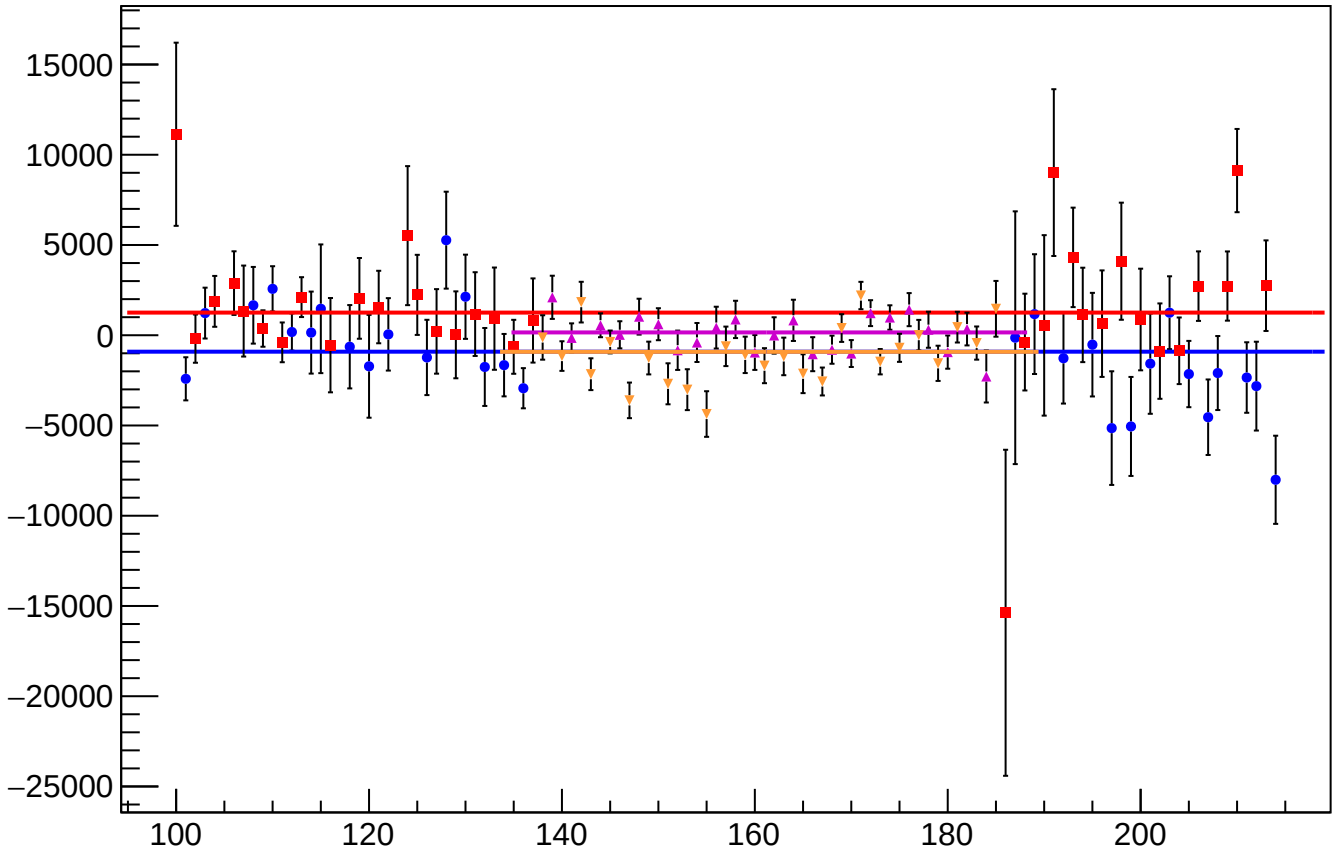
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 125.626+/-0.016 χ^2/NDF: 9761430.3/63

In: 115.559+/-0.014 χ^2/NDF:5868173.7/52

Out: 115.119+/-0.014 χ^2/NDF:7756022.3/58

All: 115.335+/-0.010 χ^2/NDF: 13624677.1/11



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

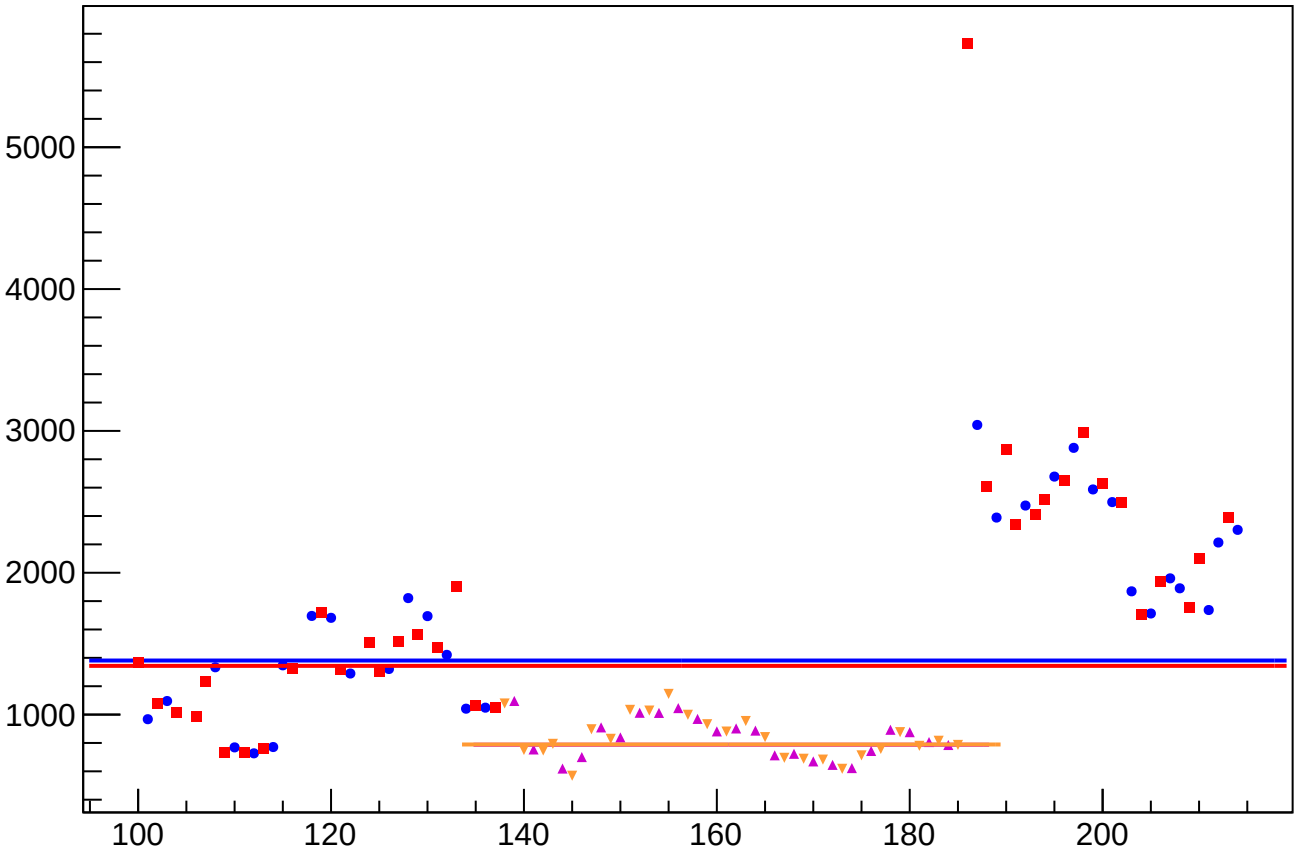
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 200.274+/-245.045 χ^2/NDF: 102.0/63

In: -80.026+/-165.141 χ^2/NDF:75.2/52

Out: -437.348+/-160.990 χ^2/NDF:133.1/58

All: -263.234+/-115.277 χ^2/NDF: 210.7/111



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

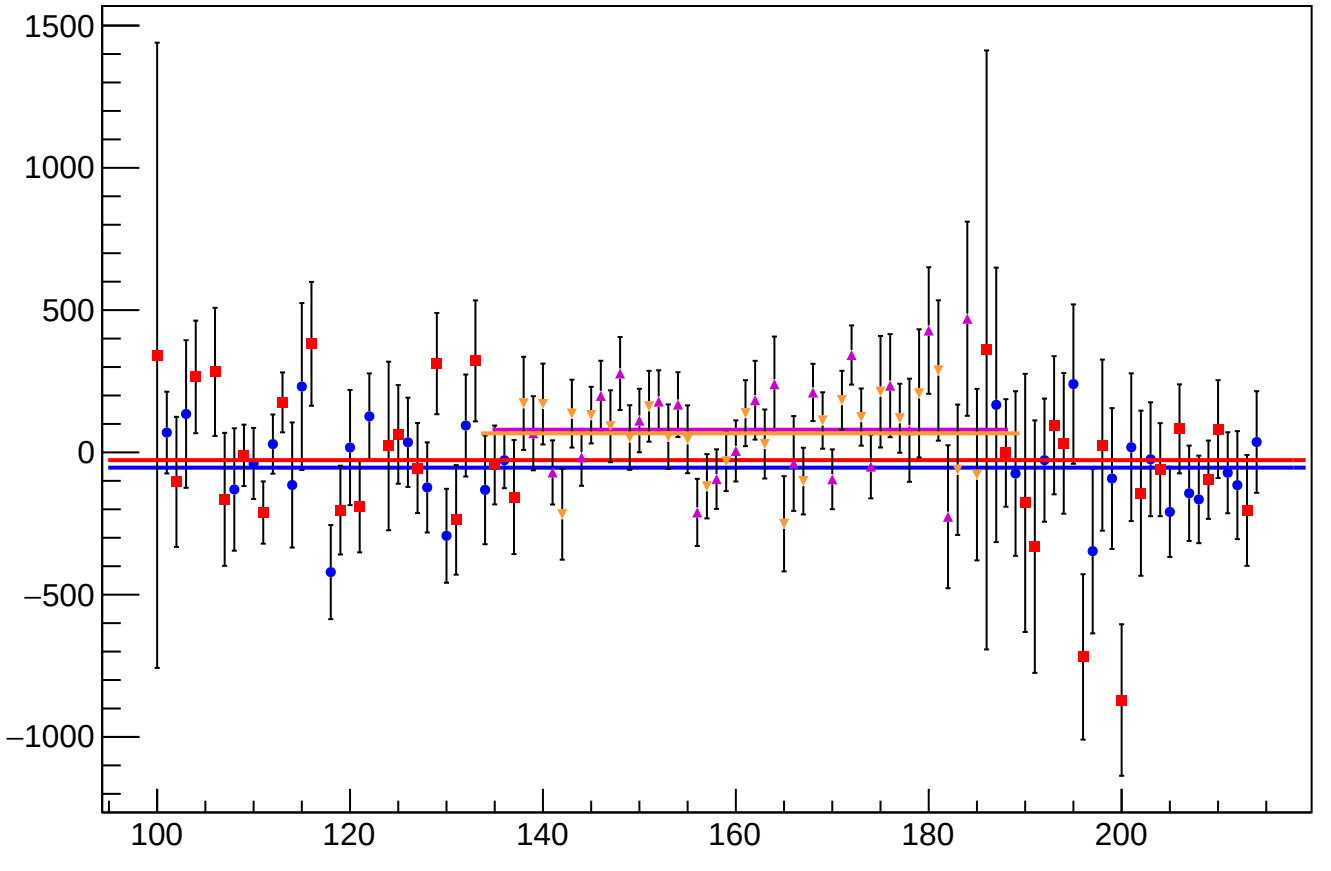
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1361.879+/-0.173 χ^2/NDF: 12430987.0/63

In: 918.671+/-0.117 χ^2/NDF:10946227.1/52

Out: 912.036+/-0.114 χ^2/NDF:12232934.2/58

All: 915.269+/-0.082 χ^2/NDF: 23180816.6/1



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

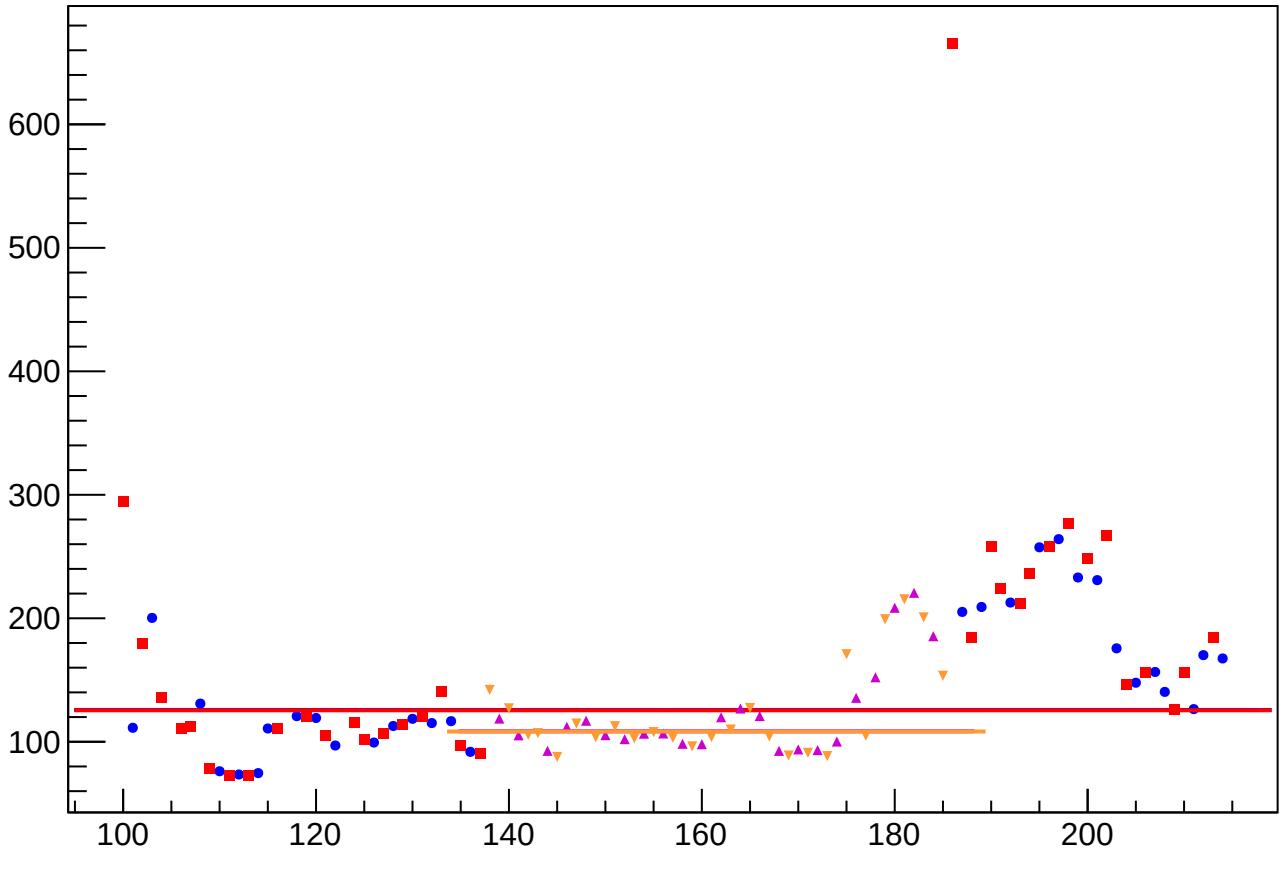
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -40.422+/-22.353 χ^2/NDF: 62.4/63

In: 25.151+/-20.210 χ^2/NDF:65.2/52

Out: 29.707+/-19.894 χ^2/NDF:69.2/58

All: 27.465+/-14.178 χ^2/NDF: 134.4/111



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

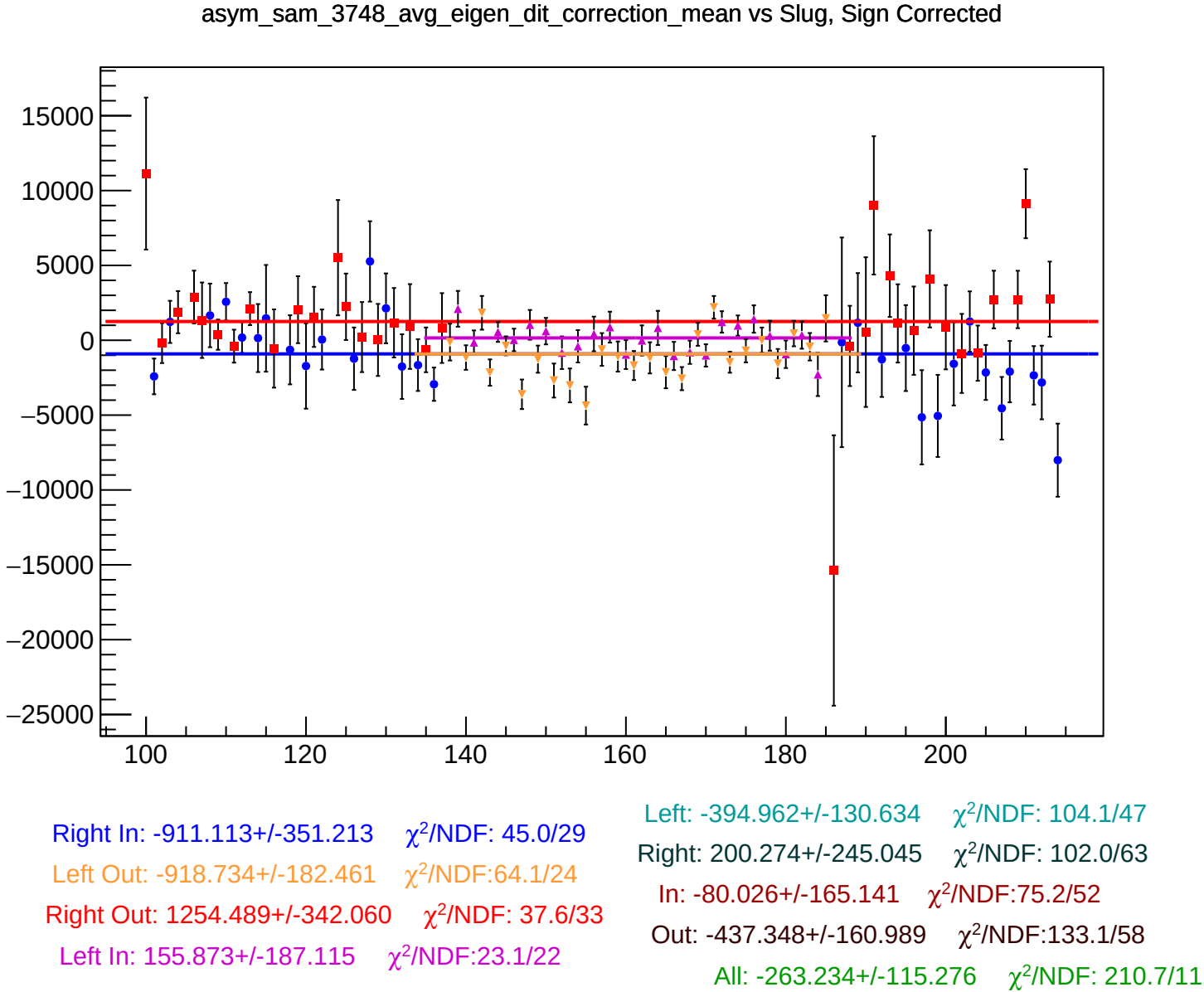
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

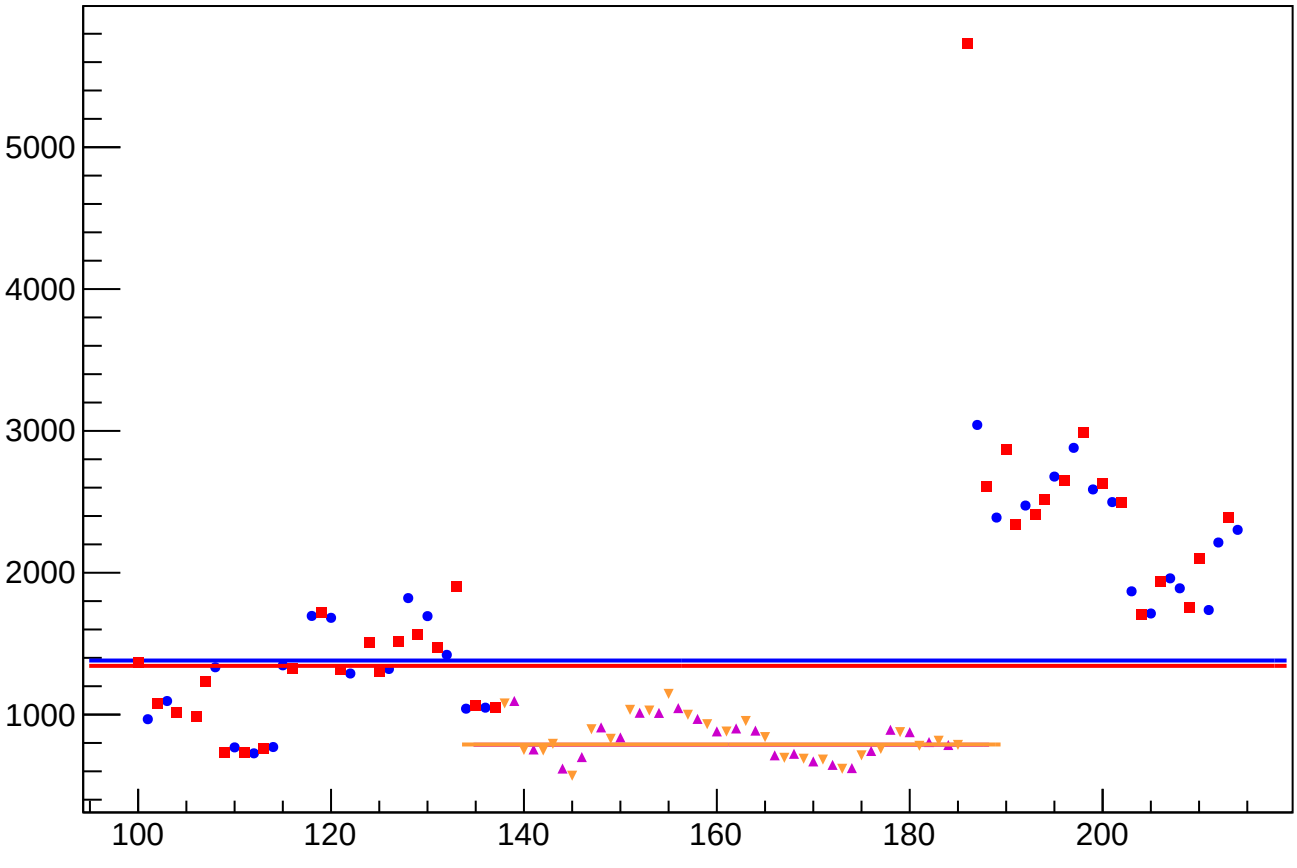
Right: 125.626+/-0.016 χ^2/NDF: 9761416.7/63

In: 115.559+/-0.014 χ^2/NDF:5868133.1/52

Out: 115.119+/-0.014 χ^2/NDF:7756009.5/58

All: 115.335+/-0.010 χ^2/NDF: 13624623.7/1


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -911.113+/-351.213 χ²/NDF: 45.0/29
Left Out: -918.734+/-182.461 χ²/NDF:64.1/24
Right Out: 1254.489+/-342.060 χ²/NDF: 37.6/33
Left In: 155.873+/-187.115 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 200.274+/-245.045 χ²/NDF: 102.0/63
In: -80.026+/-165.141 χ²/NDF:75.2/52
Out: -437.348+/-160.989 χ²/NDF:133.1/58
All: -263.234+/-115.276 χ²/NDF: 210.7/111



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

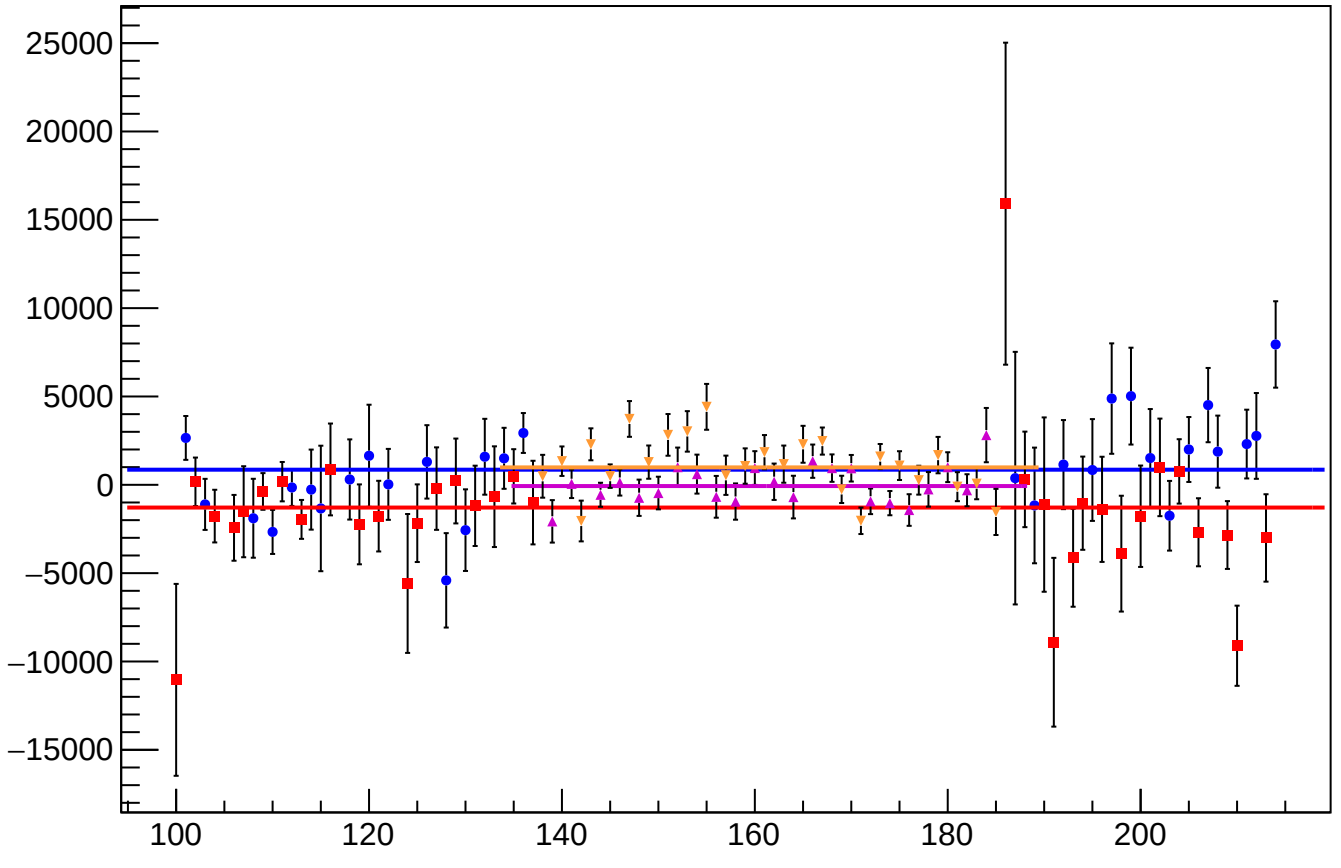
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1361.877+/-0.173 χ^2/NDF: 12431008.9/63

In: 918.669+/-0.117 χ^2/NDF:10946241.9/52

Out: 912.034+/-0.114 χ^2/NDF:12232948.1/58

All: 915.267+/-0.082 χ^2/NDF: 23180845.4/1



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

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

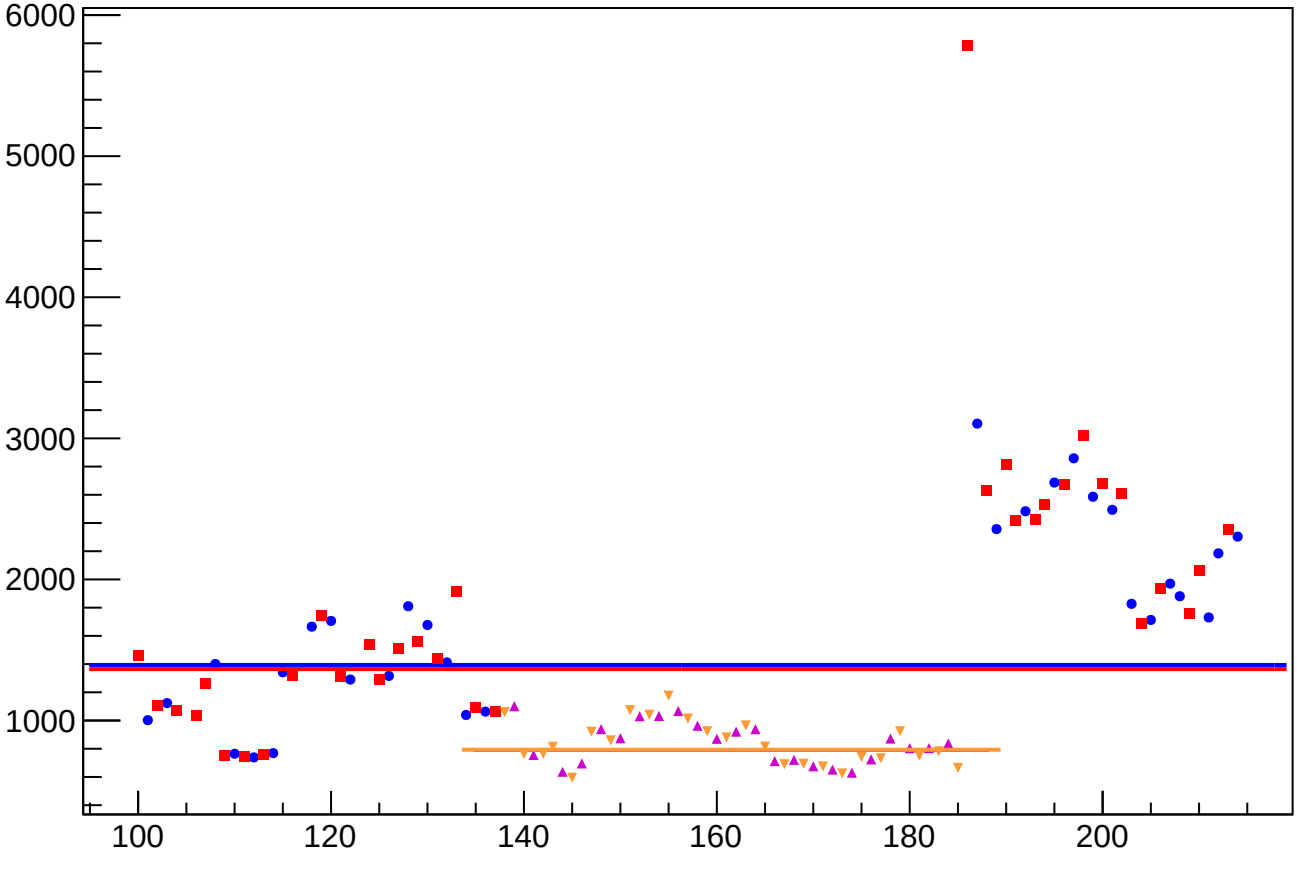
Right: -236.812+/-247.561 χ^2/NDF: 100.5/63

In: 134.014+/-166.025 χ^2/NDF:75.9/52

Out: 487.857+/-162.252 χ^2/NDF:132.9/58

All: 315.002+/-116.040 χ^2/NDF: 211.1/111

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

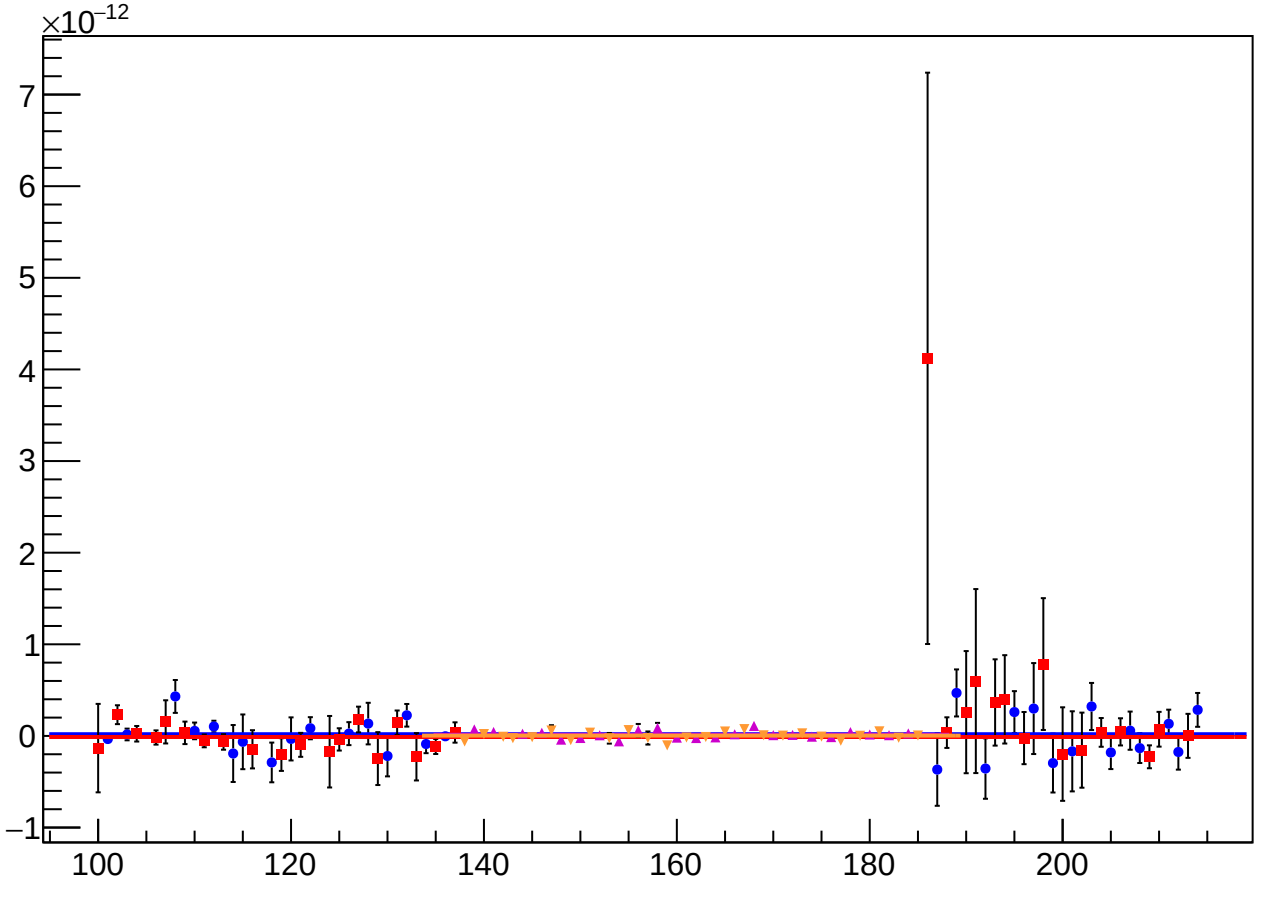
Right: 1378.999+/-0.175 χ^2/NDF: 12094277.3/63

In: 924.033+/-0.117 χ^2/NDF:10857648.7/52

Out: 918.237+/-0.115 χ^2/NDF:12248757.8/58

All: 921.068+/-0.082 χ^2/NDF: 23107652.8/1

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

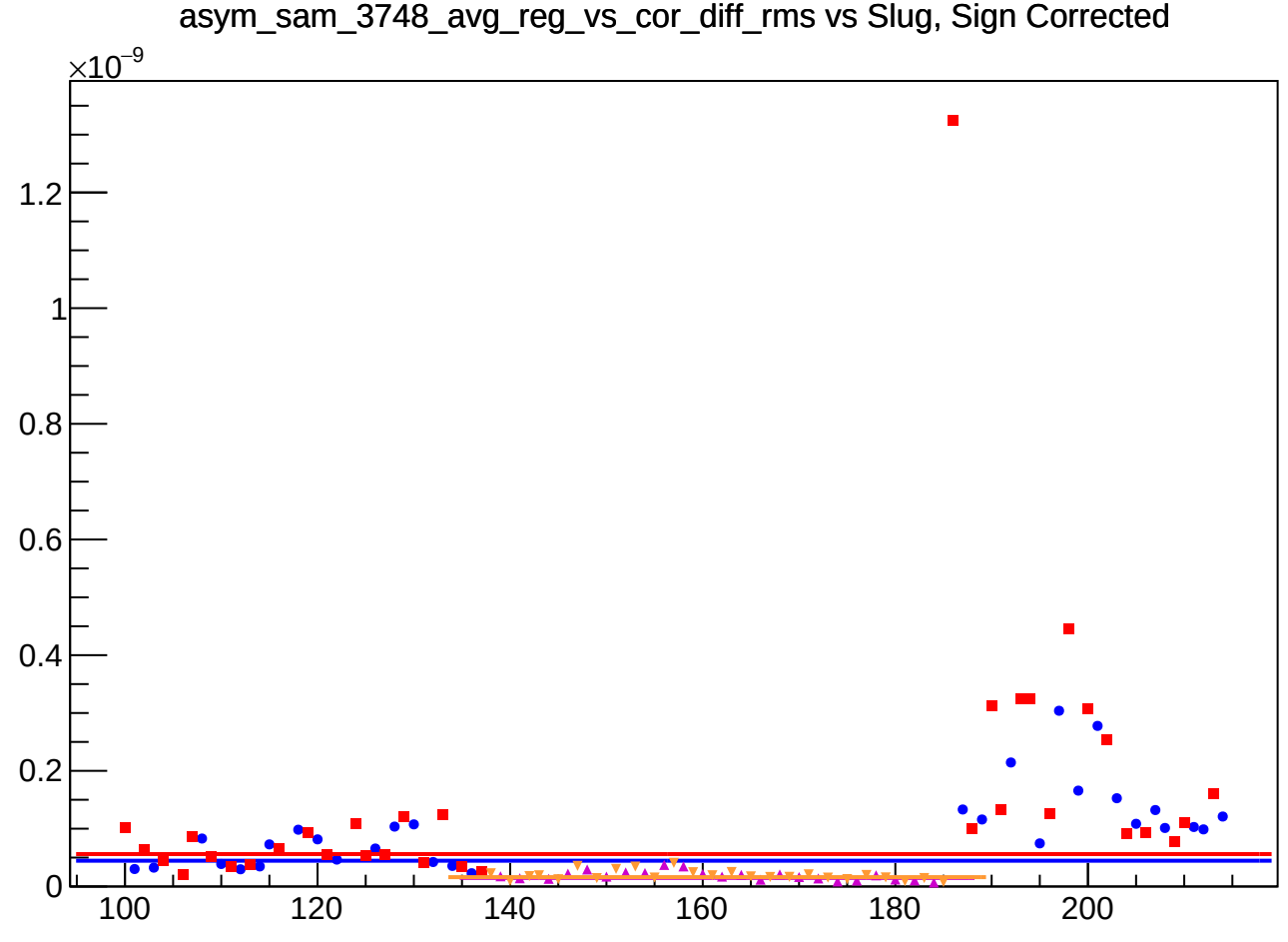
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

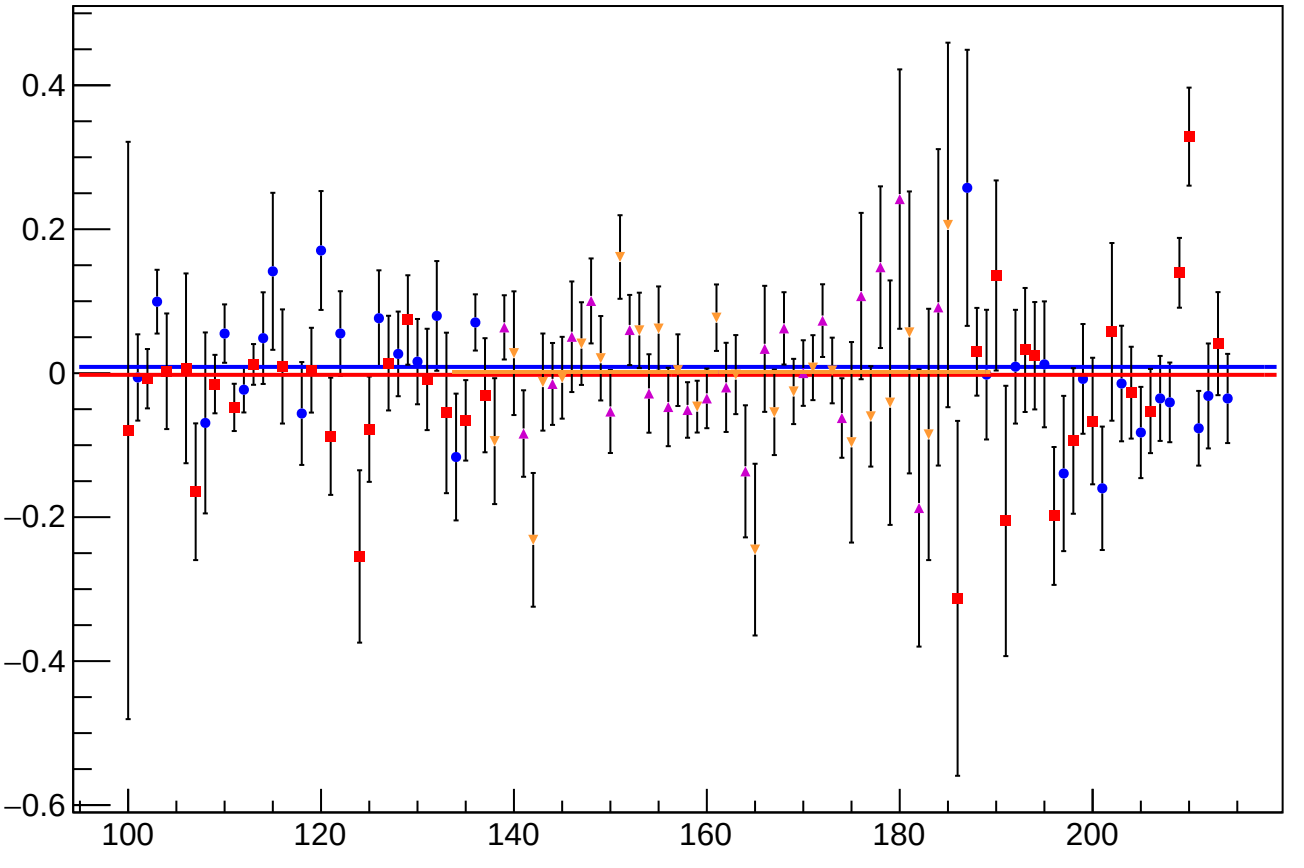
Right: 0.000+/-0.000 χ^2/NDF: 57.3/63

In: 0.000+/-0.000 χ^2/NDF:57.3/52

Out: 0.000+/-0.000 χ^2/NDF:58.8/58

All: 0.000+/-0.000 χ^2/NDF: 117.4/111


asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 5813052.6/29
Left Out: 0.000+/-0.000 χ²/NDF:1725685.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6002247.8/33
Left In: 0.000+/-0.000 χ²/NDF:1661952.2/22
Left: 0.000+/-0.000 χ²/NDF: 3428363.2/47
Right: 0.000+/-0.000 χ²/NDF: 12071400.1/63
In: 0.000+/-0.000 χ²/NDF:11301377.6/52
Out: 0.000+/-0.000 χ²/NDF:12639557.5/58
All: 0.000+/-0.000 χ²/NDF: 23983485.7/111



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

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

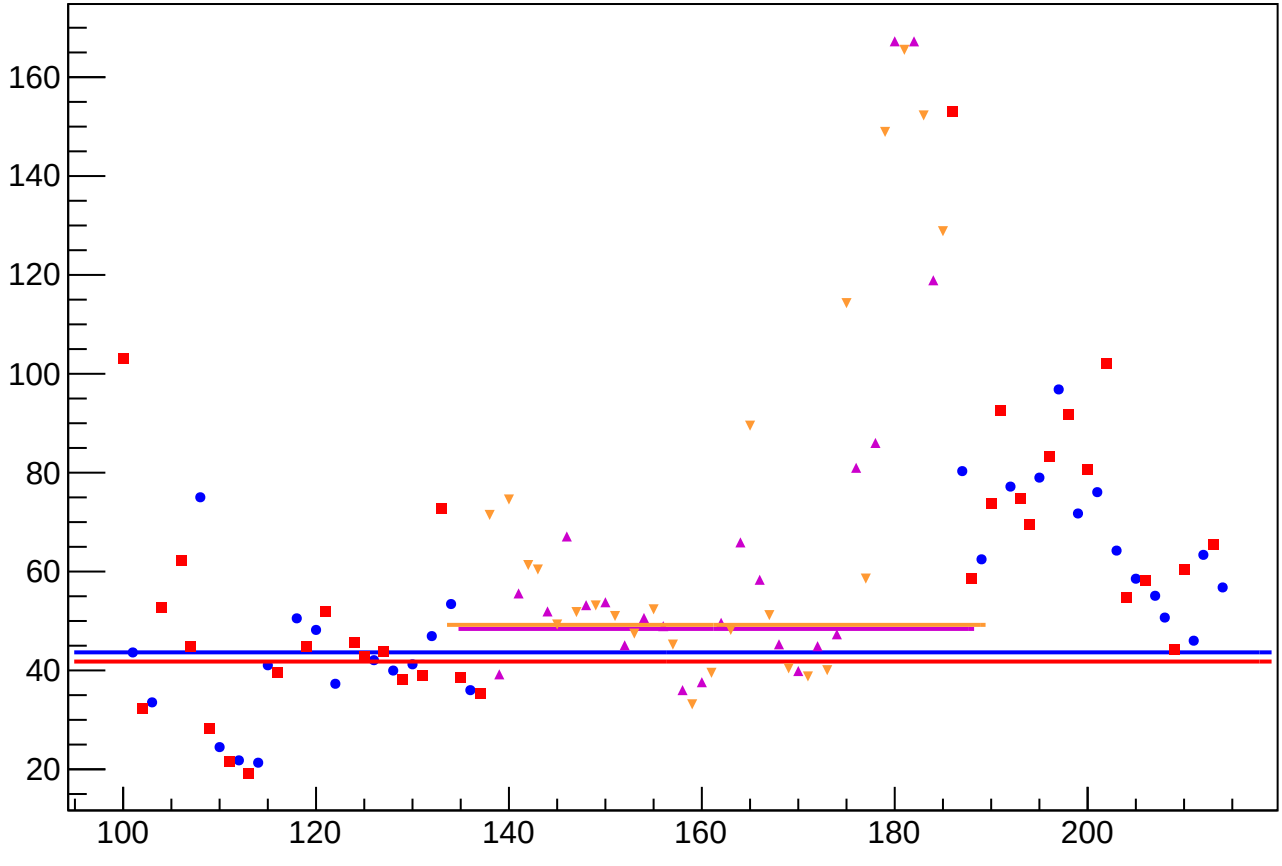
Right: 0.003+/-0.008 χ^2/NDF: 94.3/63

In: 0.006+/-0.008 χ^2/NDF:61.4/52

Out: -0.001+/-0.008 χ^2/NDF:89.2/58

All: 0.002+/-0.006 χ^2/NDF: 150.8/111

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

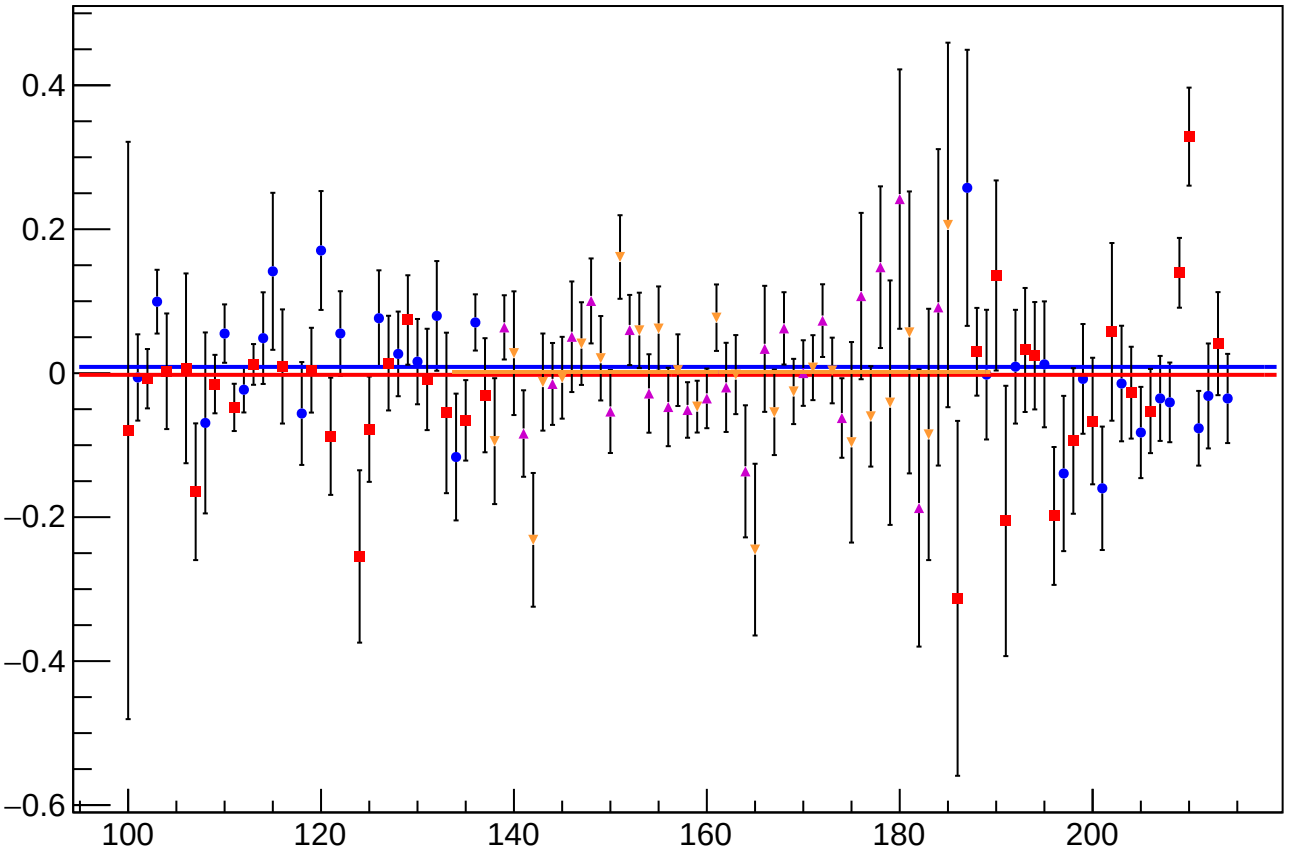
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 42.700+/-0.006 χ^2/NDF: 11021819.0/63

In: 45.806+/-0.006 χ^2/NDF:7719692.4/52

Out: 45.092+/-0.006 χ^2/NDF:11044107.4/58

All: 45.443+/-0.004 χ^2/NDF: 18771258.4/11



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

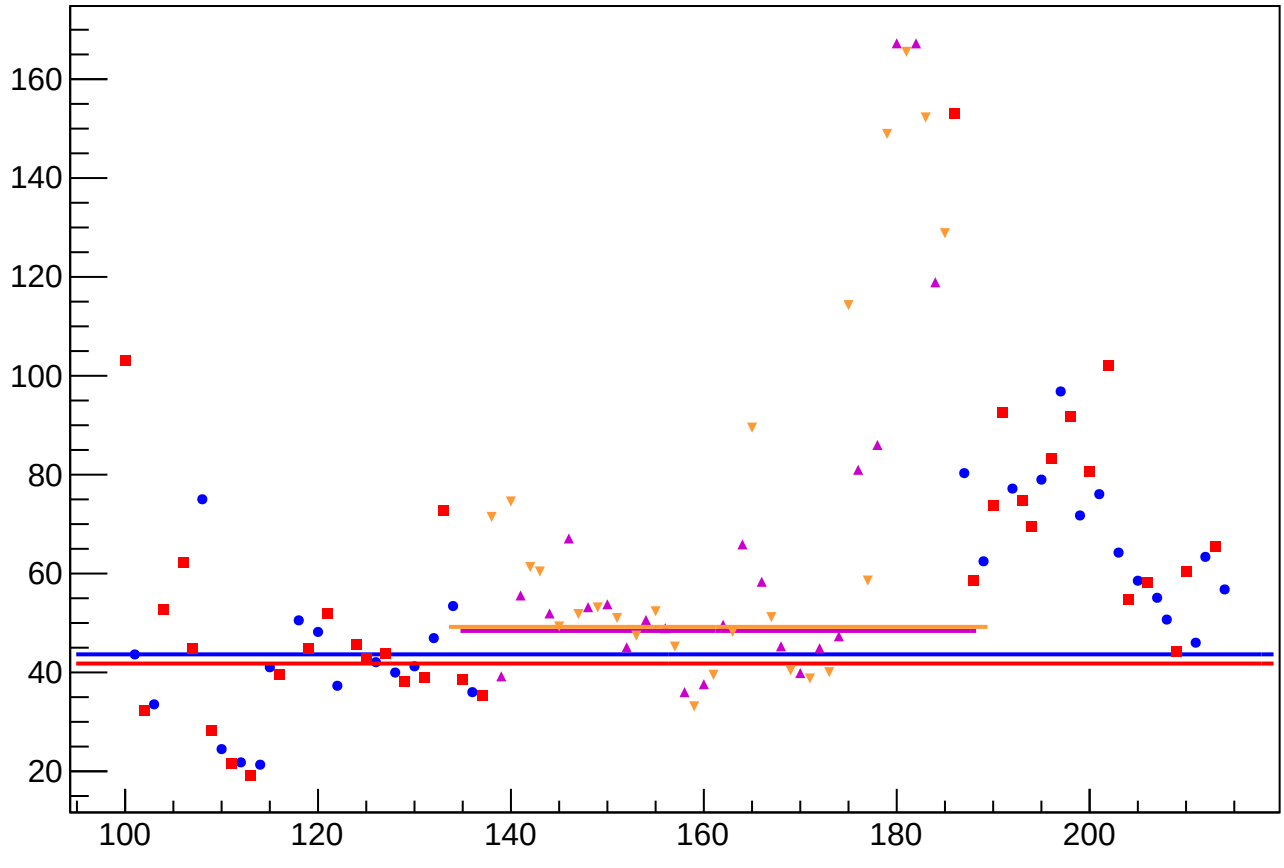
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.003+/-0.008 χ^2/NDF: 94.3/63

In: 0.006+/-0.008 χ^2/NDF:61.4/52

Out: -0.001+/-0.008 χ^2/NDF:89.2/58

All: 0.002+/-0.006 χ^2/NDF: 150.8/111



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

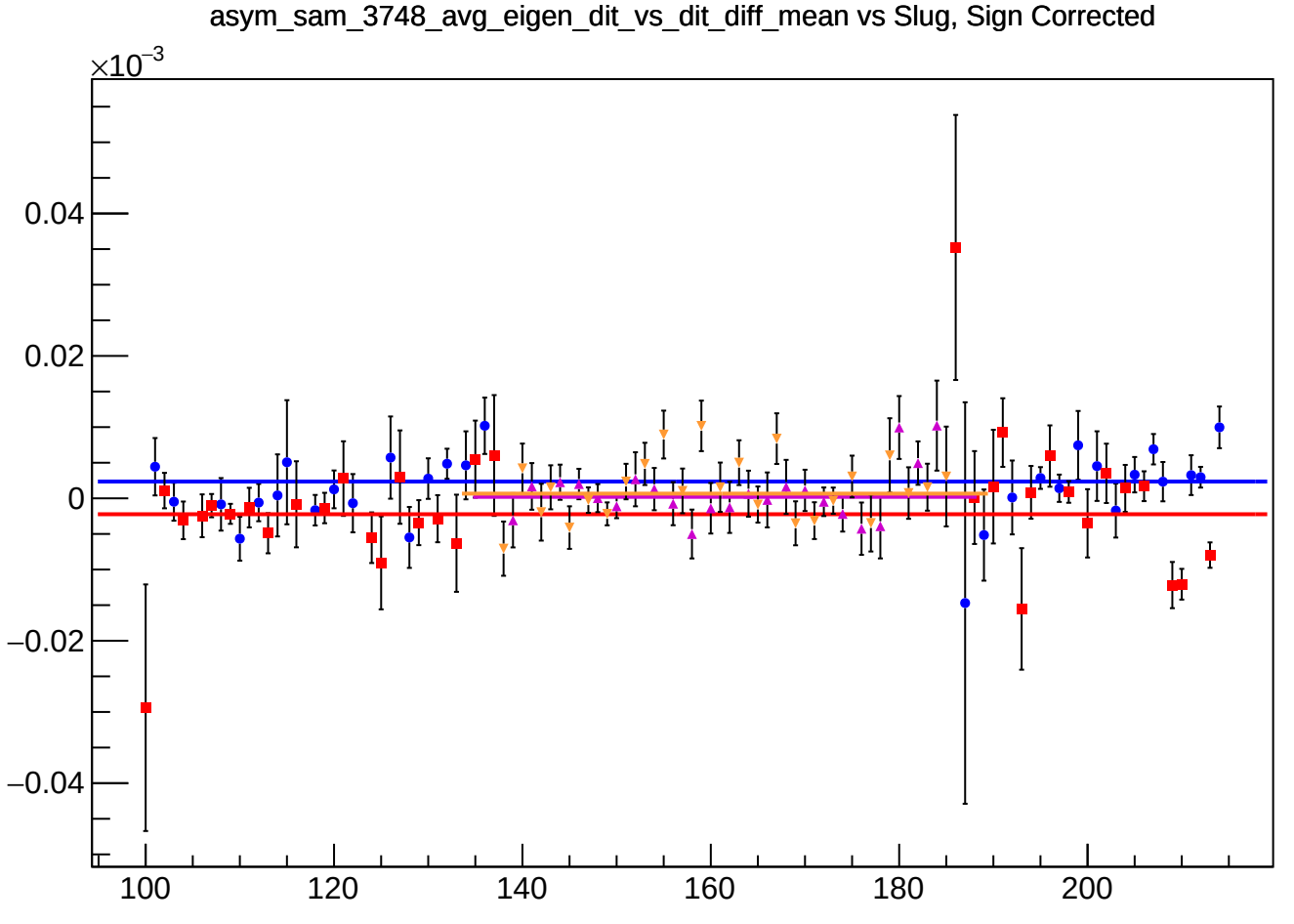
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 42.700+/-0.006 χ^2/NDF: 11021819.0/63

In: 45.806+/-0.006 χ^2/NDF:7719692.4/52

Out: 45.092+/-0.006 χ^2/NDF:11044107.4/58

All: 45.443+/-0.004 χ^2/NDF: 18771258.4/111



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

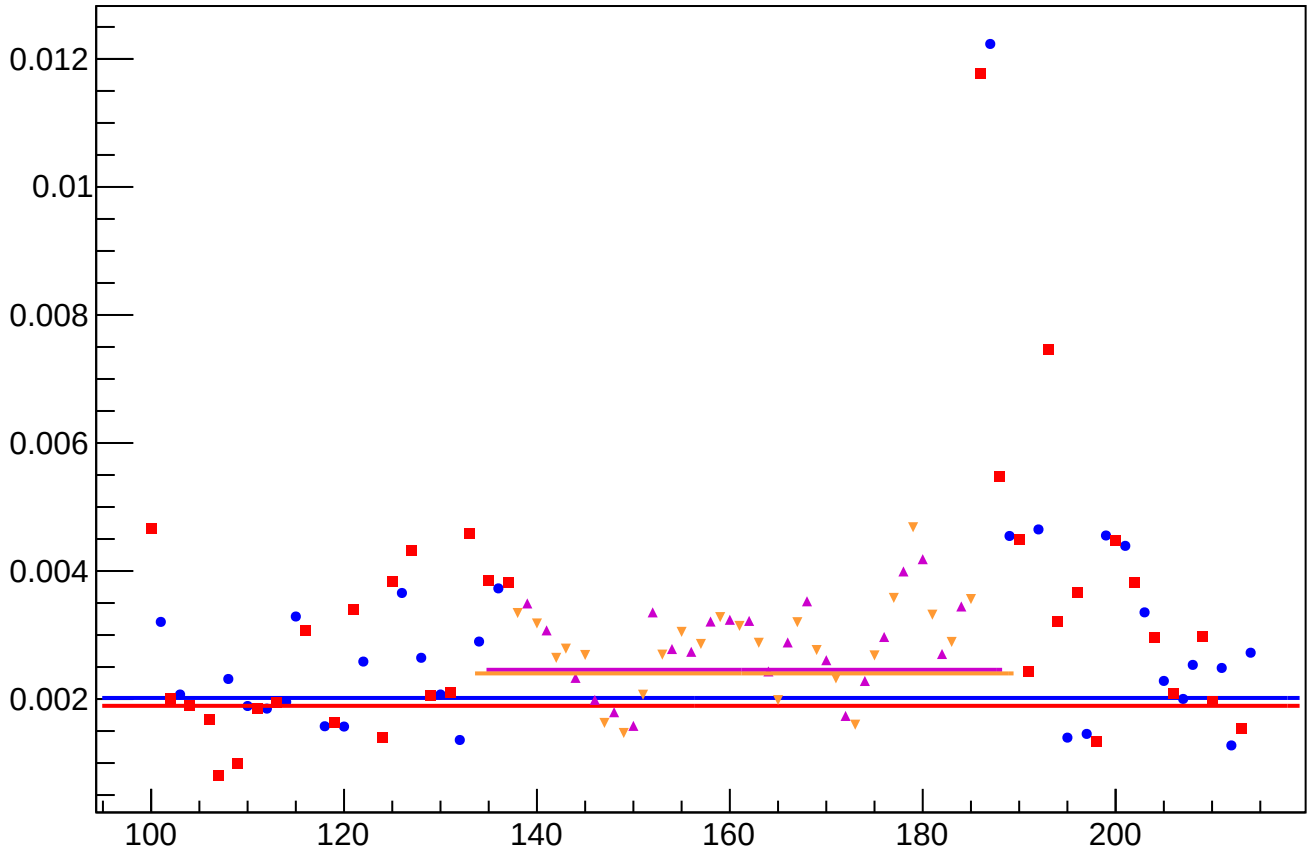
Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

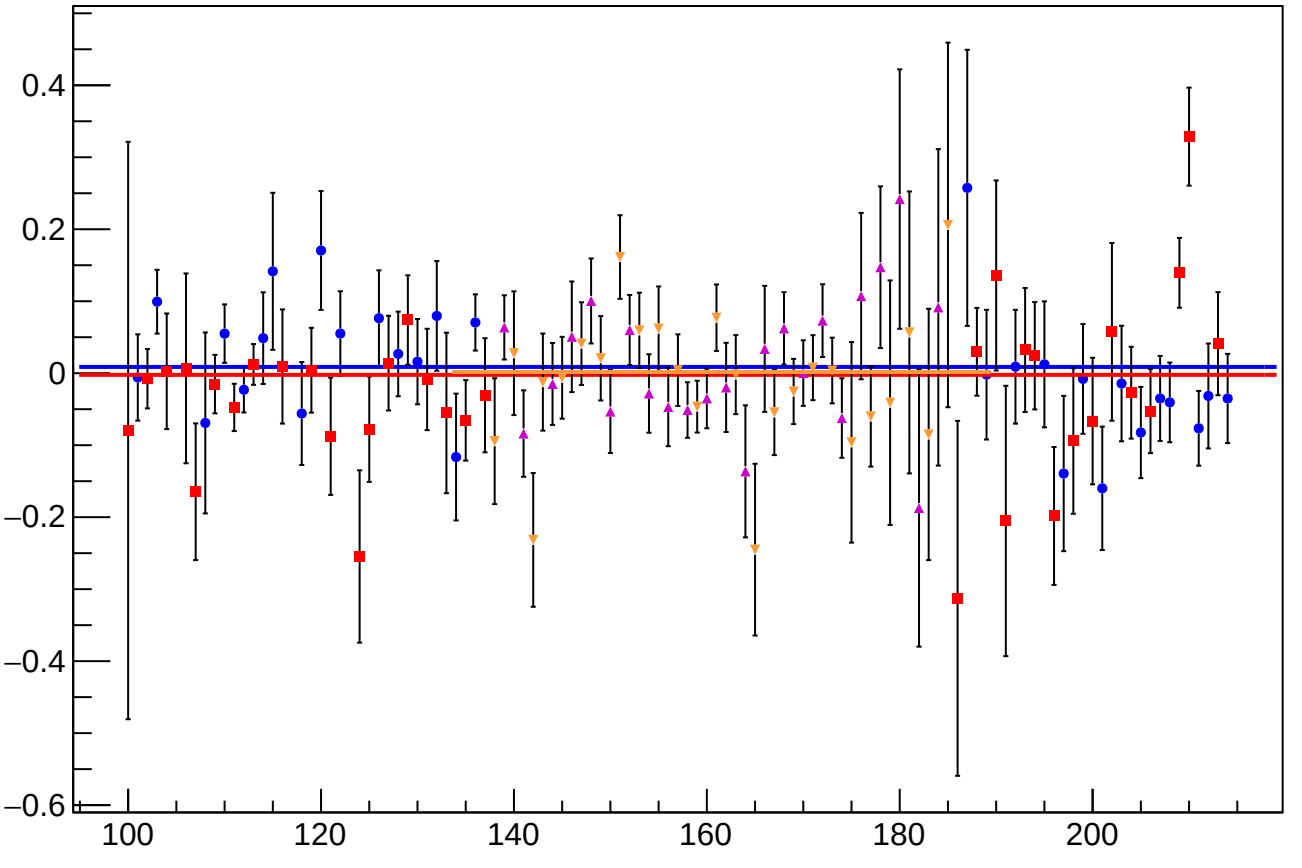
Right: -0.000+/-0.000 χ^2/NDF: 161.8/63

In: 0.000+/-0.000 χ^2/NDF:67.4/52

Out: -0.000+/-0.000 χ^2/NDF:137.4/58

All: 0.000+/-0.000 χ^2/NDF: 224.2/111


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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: 4914525.9/29
Left Out: 0.002+/-0.000 χ²/NDF:3123870.1/24
Right Out: 0.002+/-0.000 χ²/NDF: 7877111.5/33
Left In: 0.002+/-0.000 χ²/NDF:2629718.7/22
Left: 0.002+/-0.000 χ²/NDF: 5762873.5/47
Right: 0.002+/-0.000 χ²/NDF: 12849252.5/63
In: 0.002+/-0.000 χ²/NDF:8155009.1/52
Out: 0.002+/-0.000 χ²/NDF:11881067.8/58
All: 0.002+/-0.000 χ²/NDF: 20091219.5/111



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

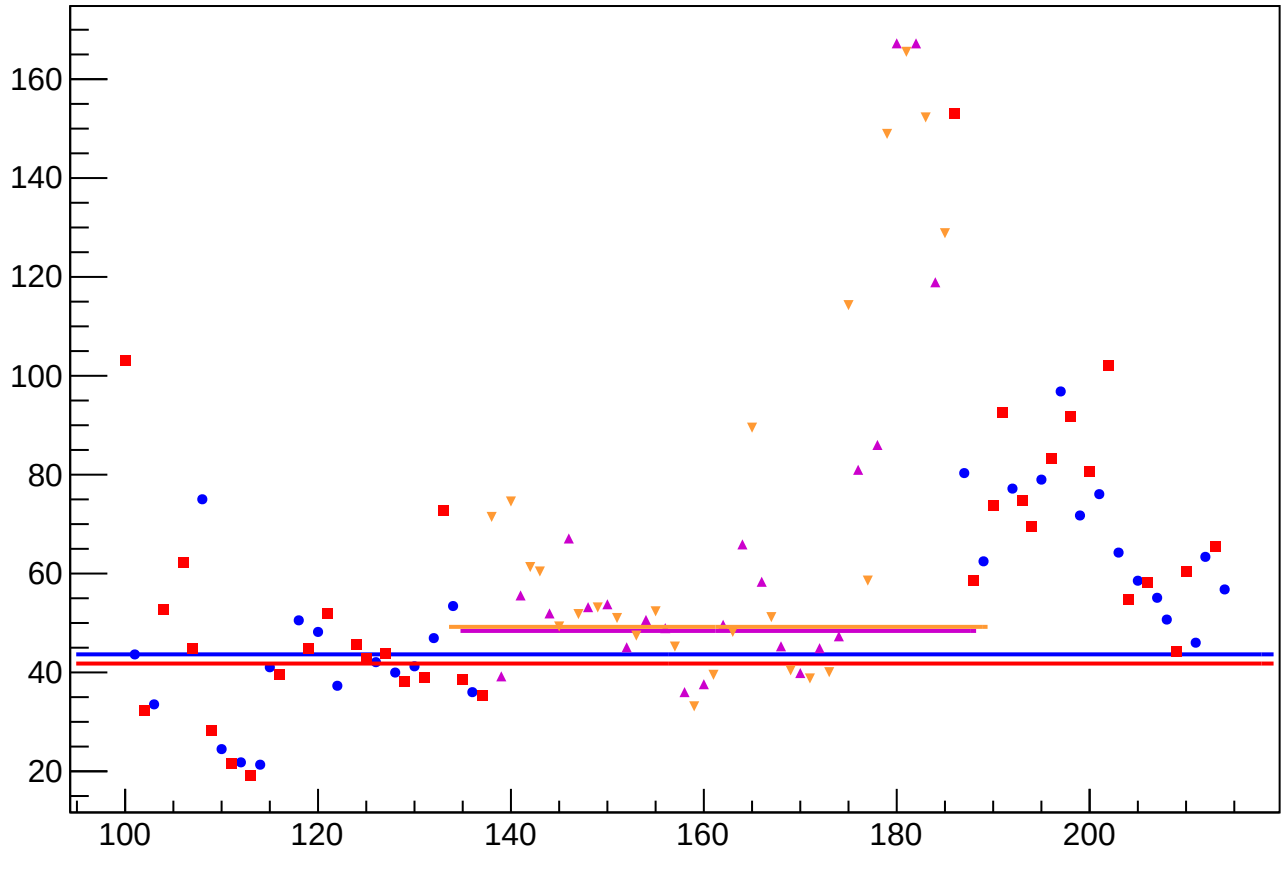
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.003+/-0.008 χ^2/NDF: 94.3/63

In: 0.006+/-0.008 χ^2/NDF:61.4/52

Out: -0.001+/-0.008 χ^2/NDF:89.2/58

All: 0.002+/-0.006 χ^2/NDF: 150.8/111



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

Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

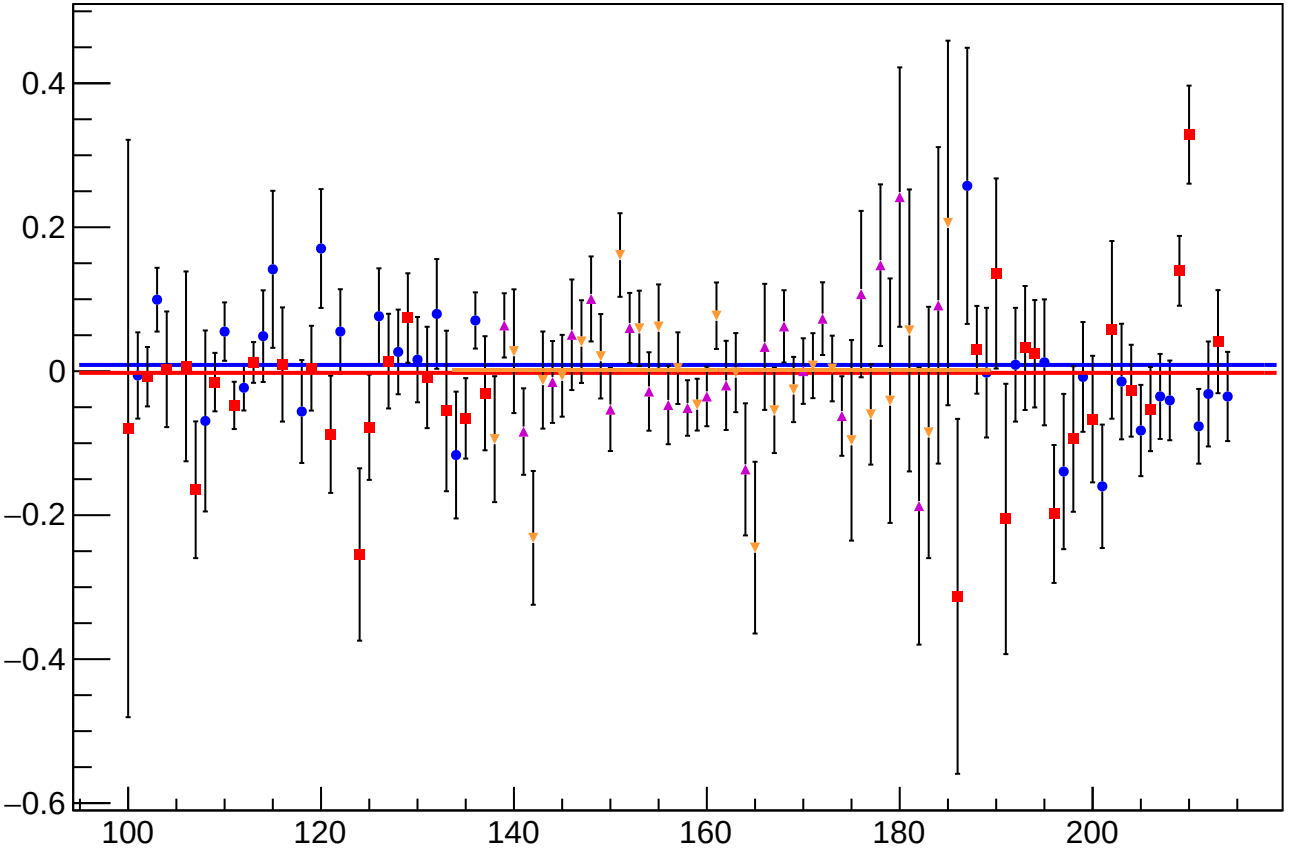
Right: 42.701+/-0.006 χ^2/NDF: 11021595.8/63

In: 45.807+/-0.006 χ^2/NDF:7719536.9/52

Out: 45.093+/-0.006 χ^2/NDF:11043998.2/58

All: 45.444+/-0.004 χ^2/NDF: 18770992.3/111

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

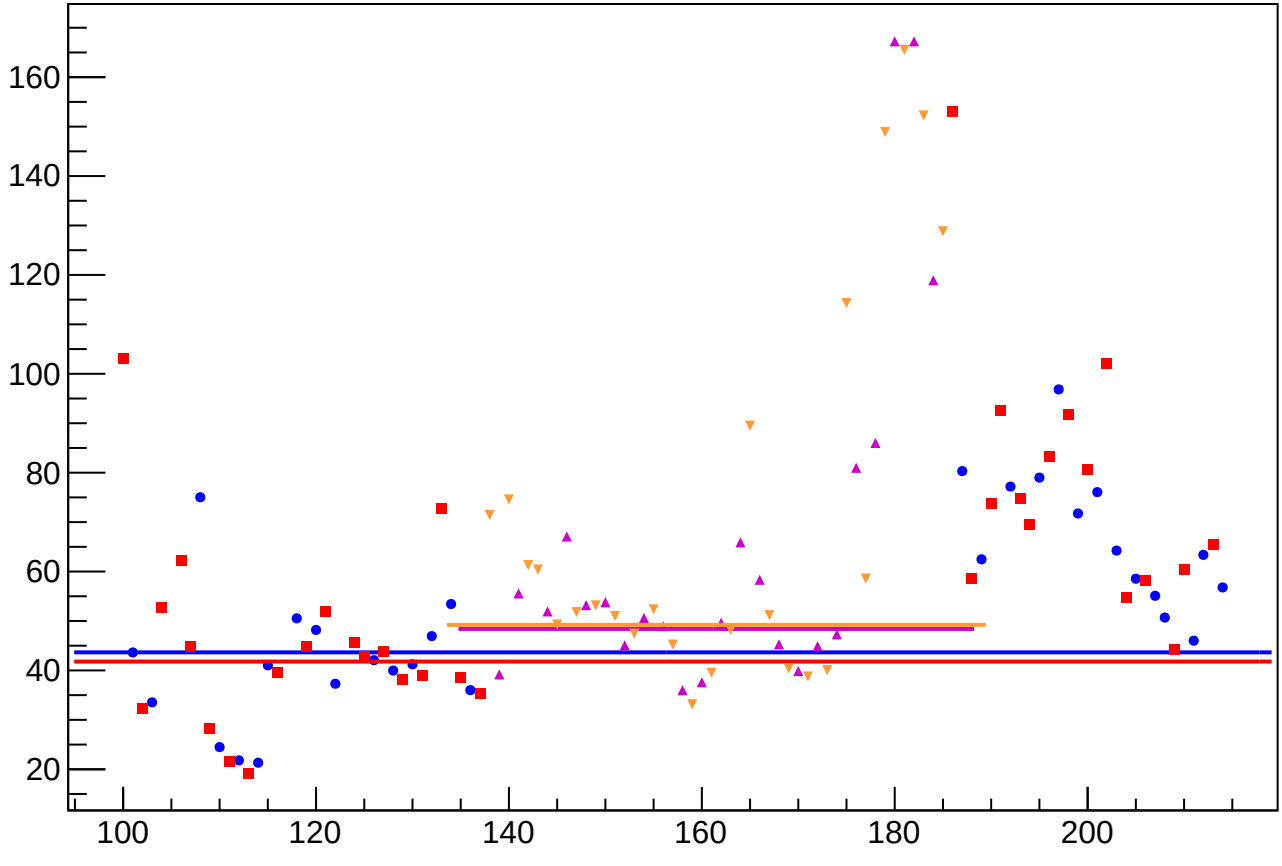
Right: 0.003+/-0.008 χ^2/NDF: 94.3/63

In: 0.006+/-0.008 χ^2/NDF:61.4/52

Out: -0.001+/-0.008 χ^2/NDF:89.2/58

All: 0.002+/-0.006 χ^2/NDF: 150.8/111

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

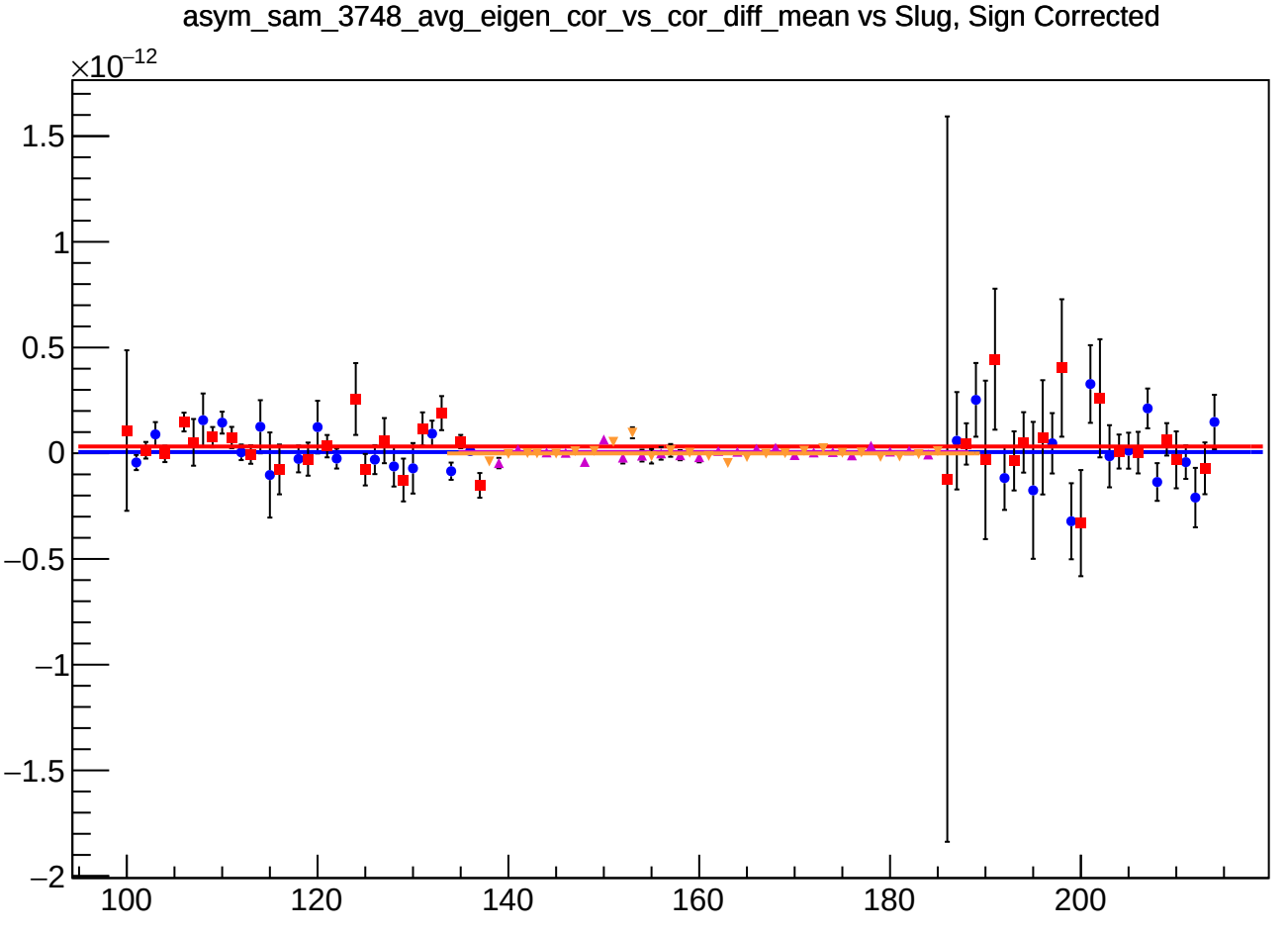
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 42.701+/-0.006 χ^2/NDF: 11021595.8/63

In: 45.807+/-0.006 χ^2/NDF:7719536.9/52

Out: 45.093+/-0.006 χ^2/NDF:11043998.2/58

All: 45.444+/-0.004 χ^2/NDF: 18770992.3/11



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

Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

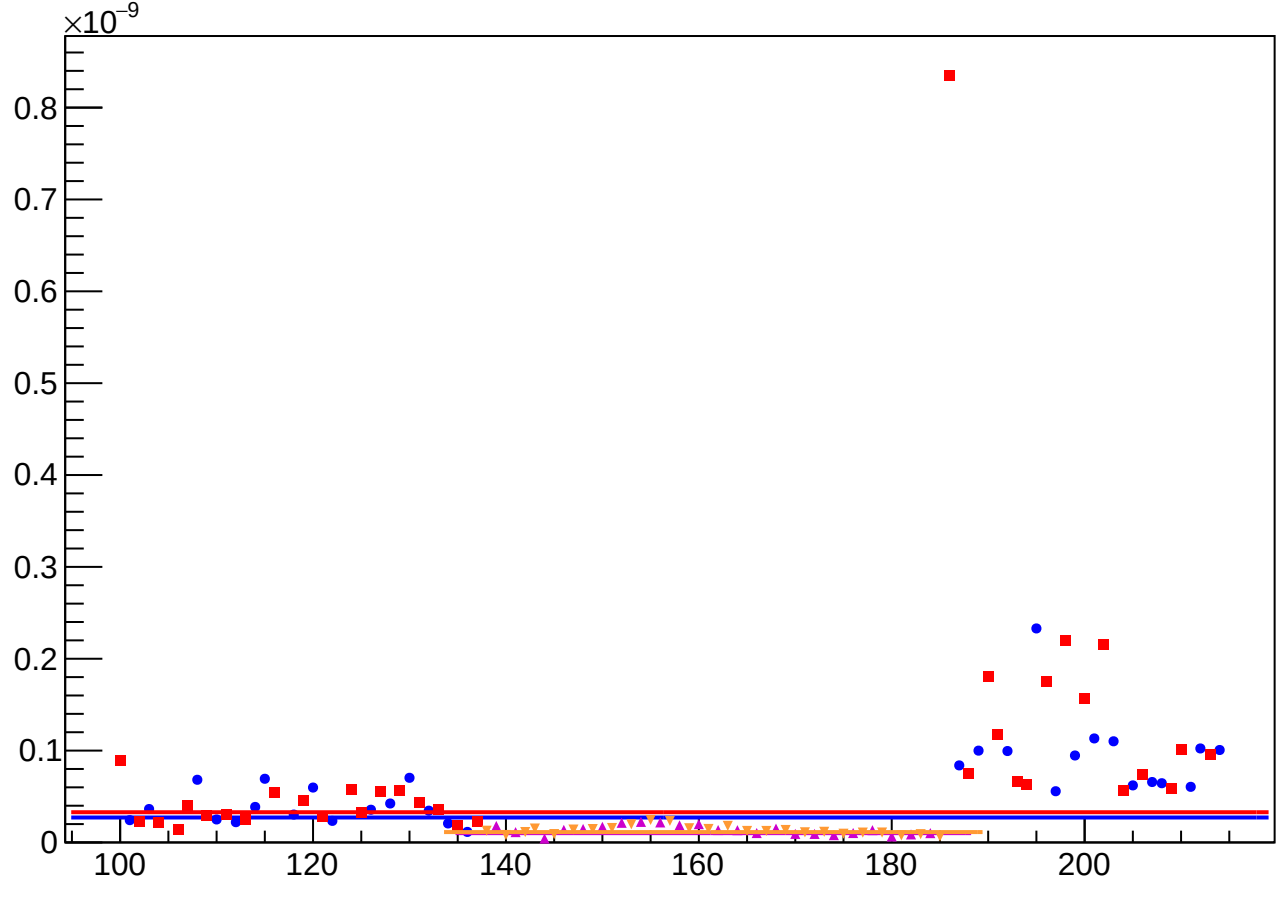
Right: 0.000+/-0.000 χ^2/NDF: 87.7/63

In: 0.000+/-0.000 χ^2/NDF:72.8/52

Out: 0.000+/-0.000 χ^2/NDF:84.4/58

All: 0.000+/-0.000 χ^2/NDF: 158.0/111

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

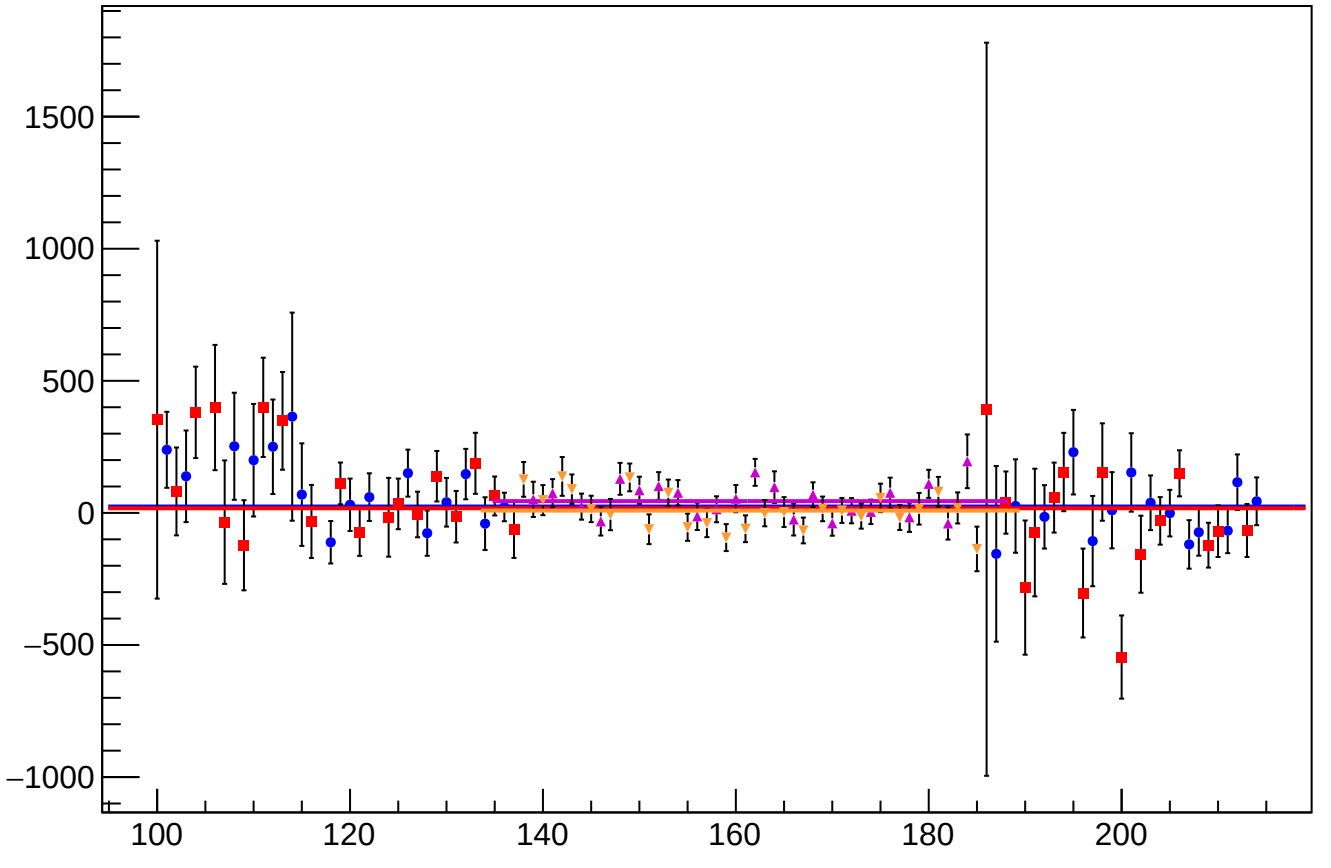
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16175075.3/63

In: 0.000+/-0.000 χ^2/NDF:17015809.8/52

Out: 0.000+/-0.000 χ^2/NDF:15556075.2/58

All: 0.000+/-0.000 χ^2/NDF: 32730870.2/111



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

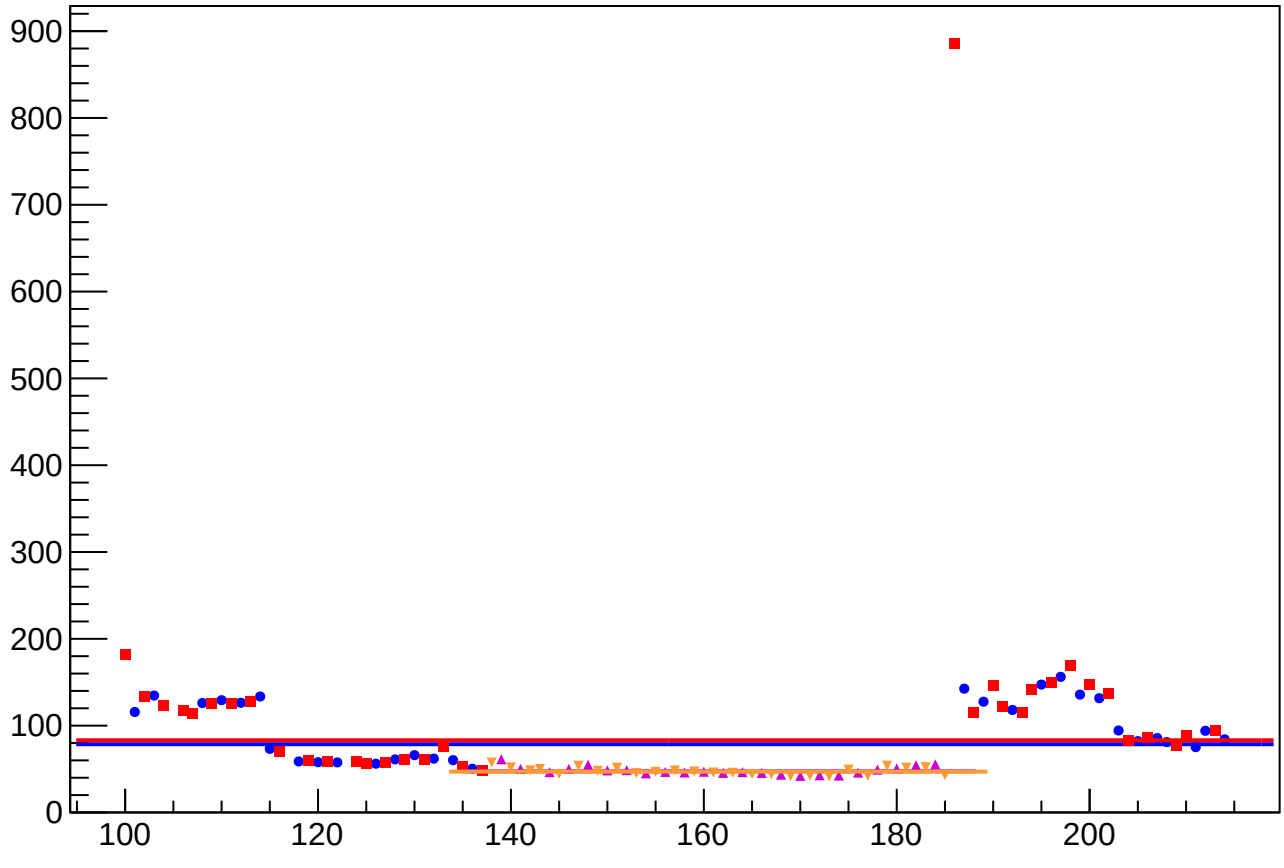
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 21.013+/-14.226 χ^2/NDF: 75.4/63

In: 39.556+/-9.692 χ^2/NDF:52.4/52

Out: 10.633+/-9.551 χ^2/NDF:85.5/58

All: 24.883+/-6.803 χ^2/NDF: 142.5/111



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

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

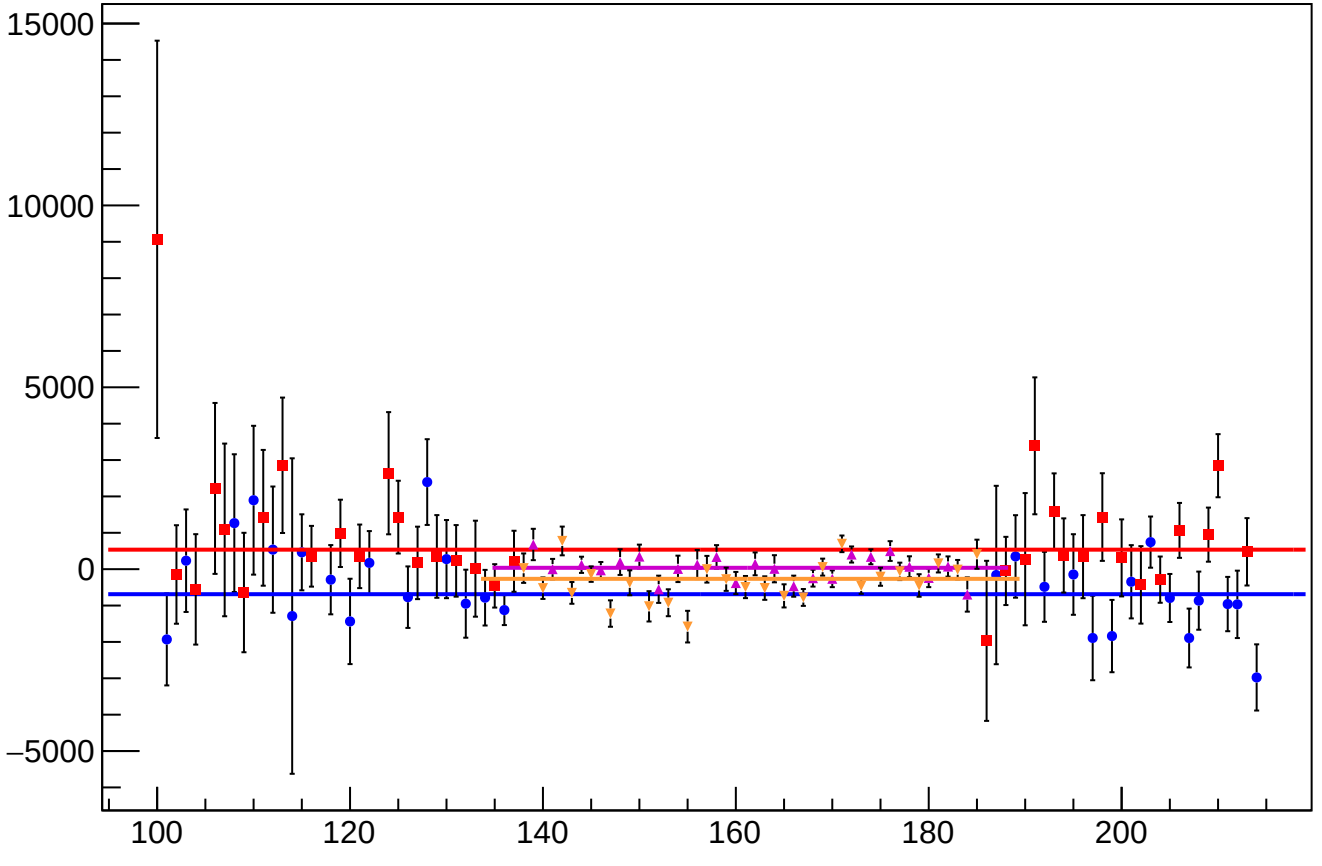
Right: 80.741+/-0.010 χ^2/NDF: 8976184.0/63

In: 55.005+/-0.007 χ^2/NDF:7995127.8/52

Out: 54.767+/-0.007 χ^2/NDF:10106539.9/58

All: 54.884+/-0.005 χ^2/NDF: 18102278.8/111

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



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

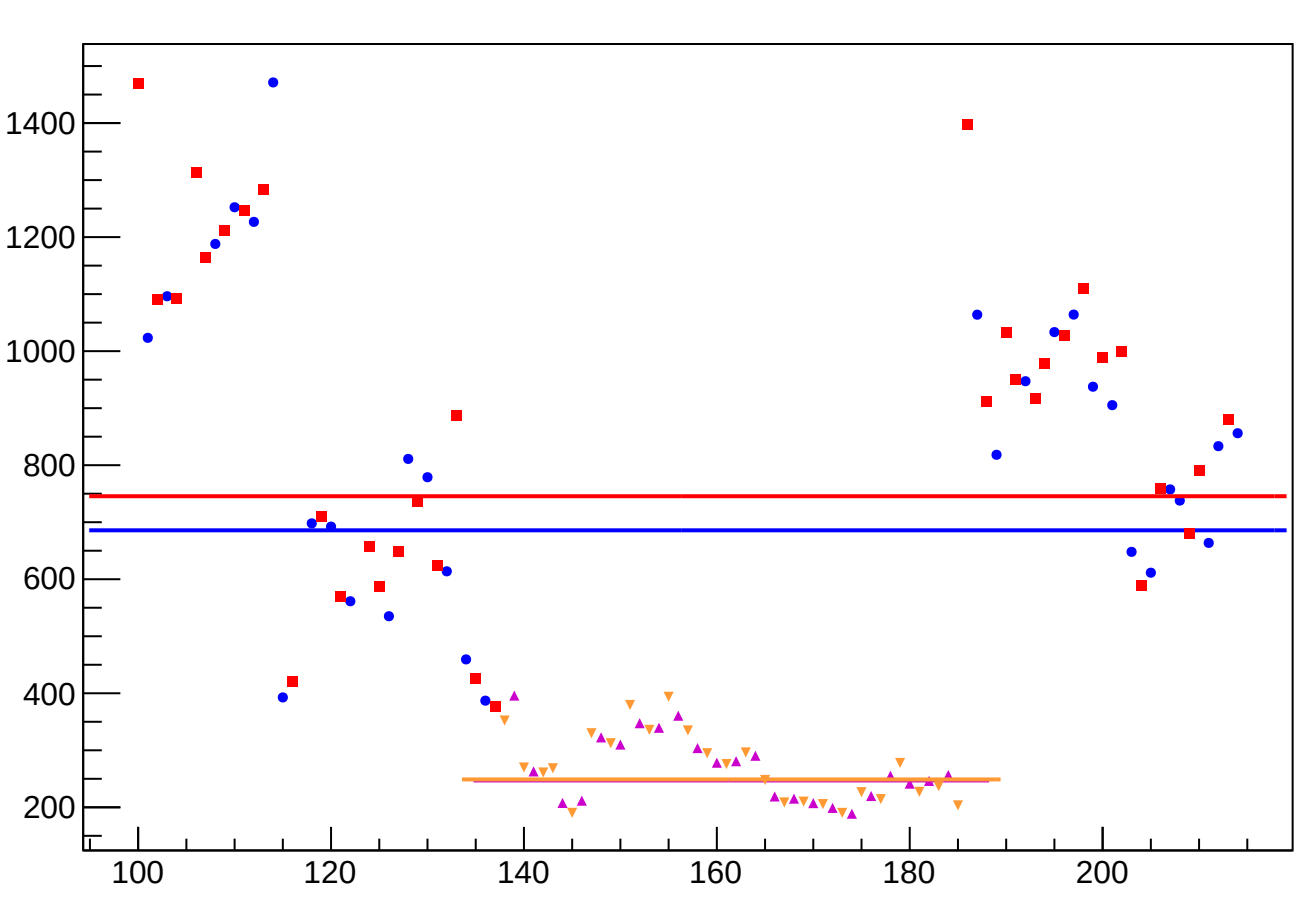
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -114.829+/-123.333 χ^2/NDF: 85.6/63

In: -41.566+/-55.841 χ^2/NDF:75.9/52

Out: -190.374+/-55.239 χ^2/NDF:115.9/58

All: -116.776+/-39.271 χ^2/NDF: 195.4/111



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

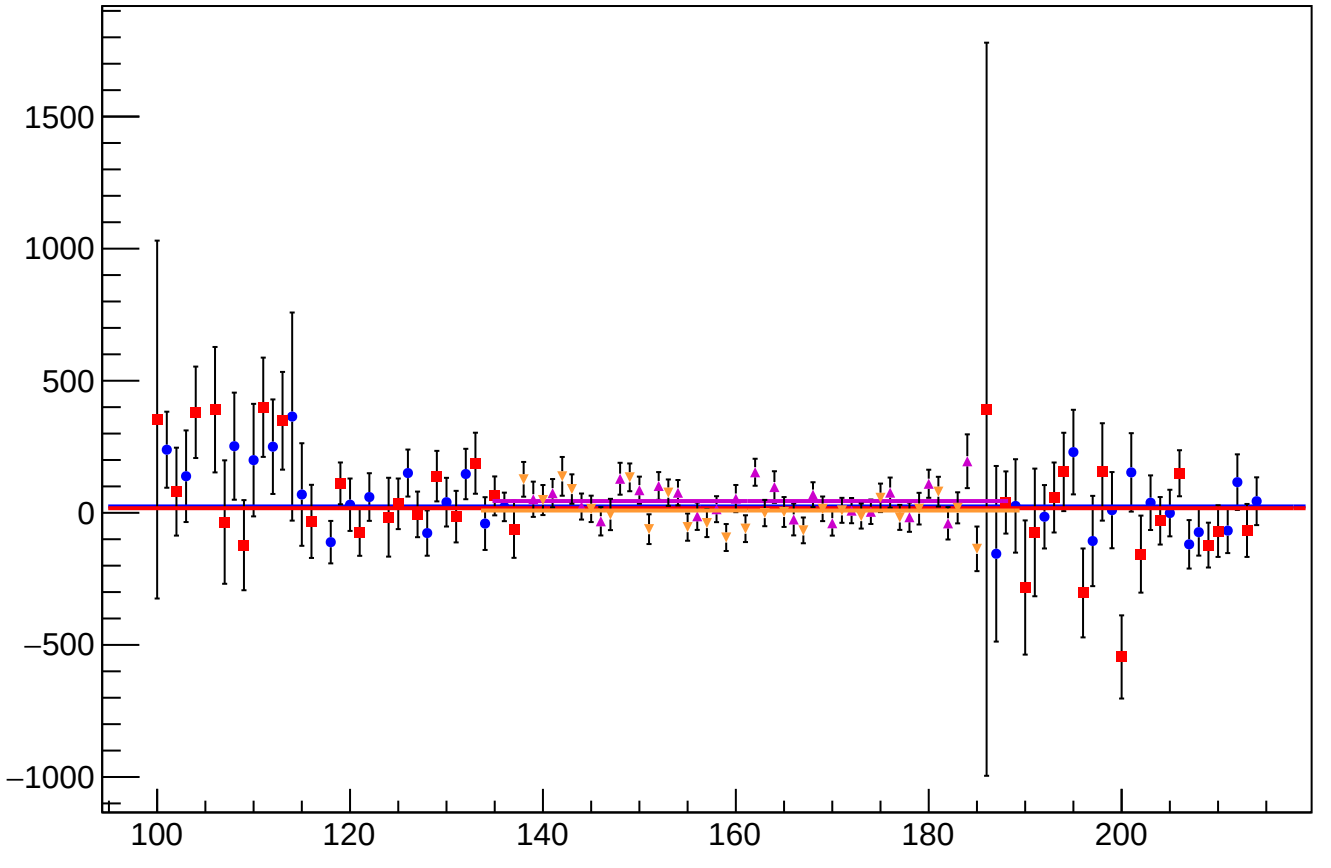
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 713.781+/-0.087 χ^2/NDF: 7129717.3/63

In: 294.941+/-0.039 χ^2/NDF:16911316.4/52

Out: 295.534+/-0.039 χ^2/NDF:18999056.7/58

All: 295.240+/-0.028 χ^2/NDF: 35910487.4/1



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

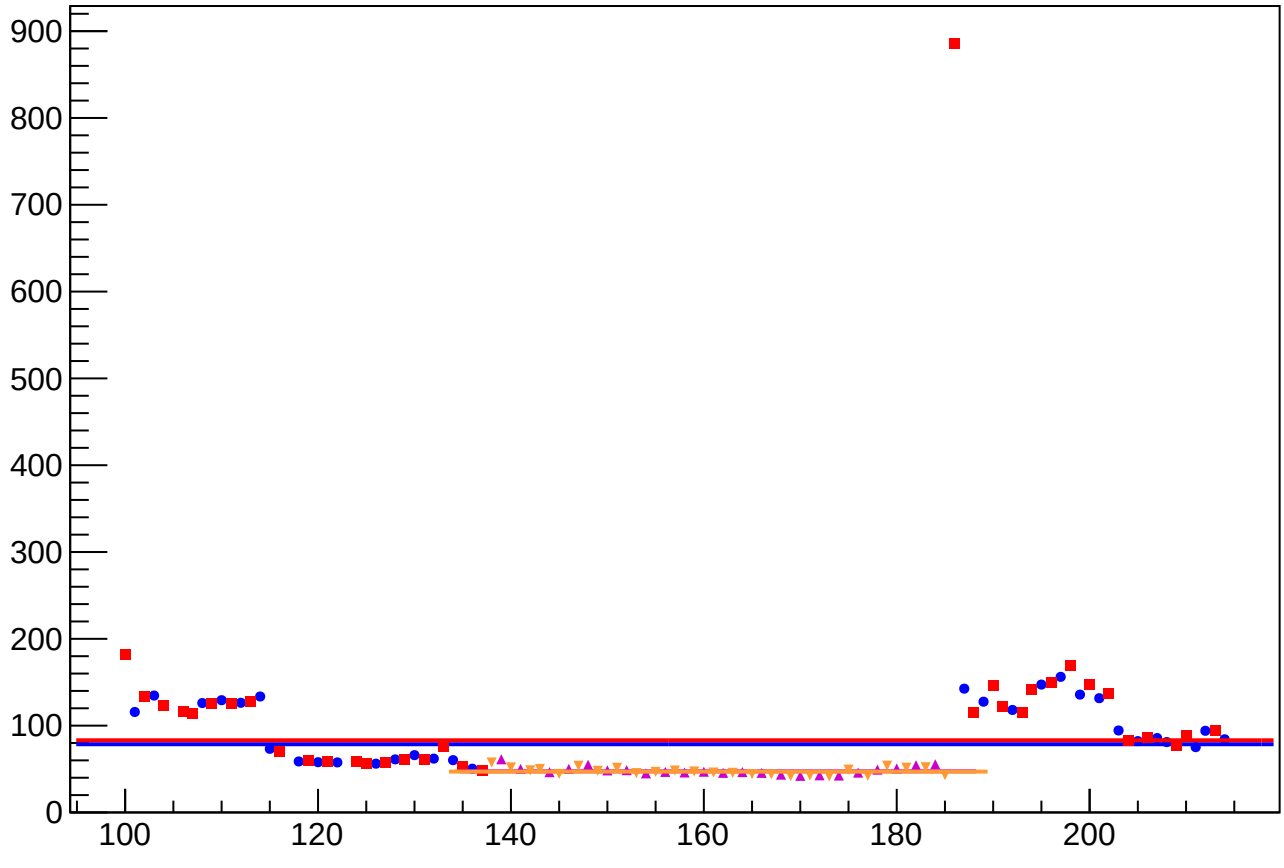
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 20.968+/-14.226 χ^2/NDF: 75.3/63

In: 39.554+/-9.692 χ^2/NDF:52.4/52

Out: 10.616+/-9.551 χ^2/NDF:85.4/58

All: 24.873+/-6.803 χ^2/NDF: 142.3/111



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

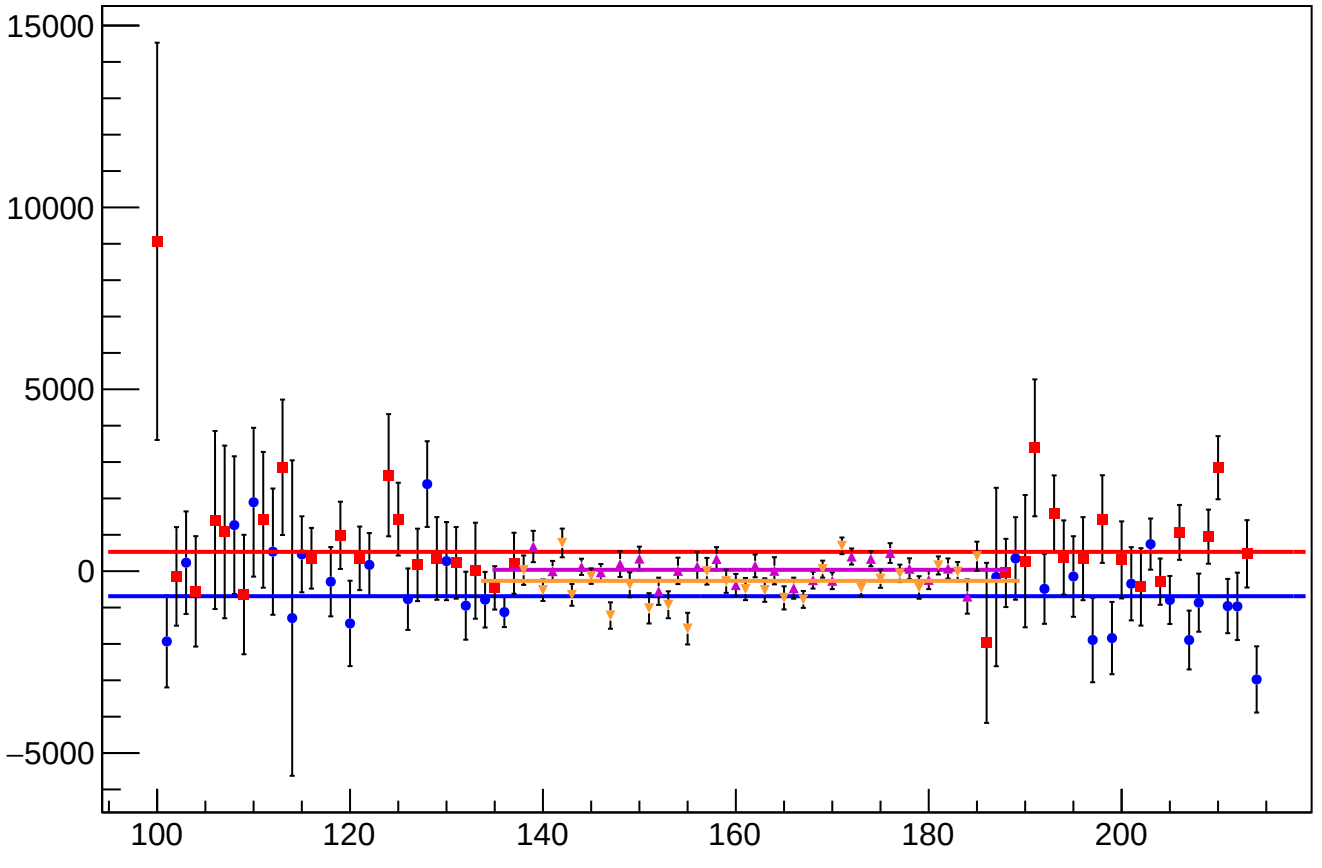
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.738+/-0.010 χ^2/NDF: 8973784.9/63

In: 55.005+/-0.007 χ^2/NDF:7995129.9/52

Out: 54.765+/-0.007 χ^2/NDF:10102059.9/58

All: 54.883+/-0.005 χ^2/NDF: 18097810.8/111



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

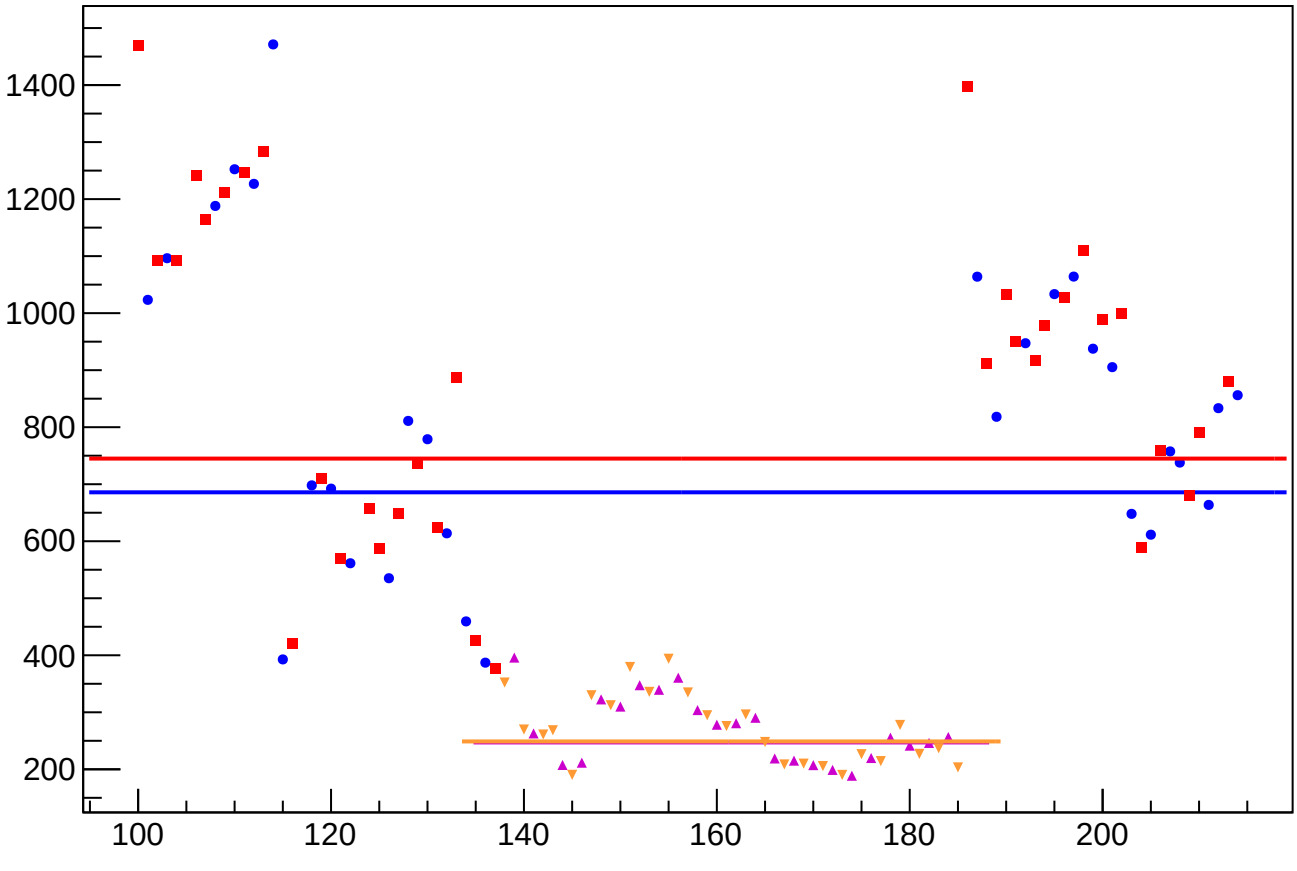
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -117.376+/-123.347 χ^2/NDF: 85.0/63

In: -41.568+/-55.841 χ^2/NDF:75.9/52

Out: -190.885+/-55.241 χ^2/NDF:115.3/58

All: -117.034+/-39.272 χ^2/NDF: 194.8/111



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

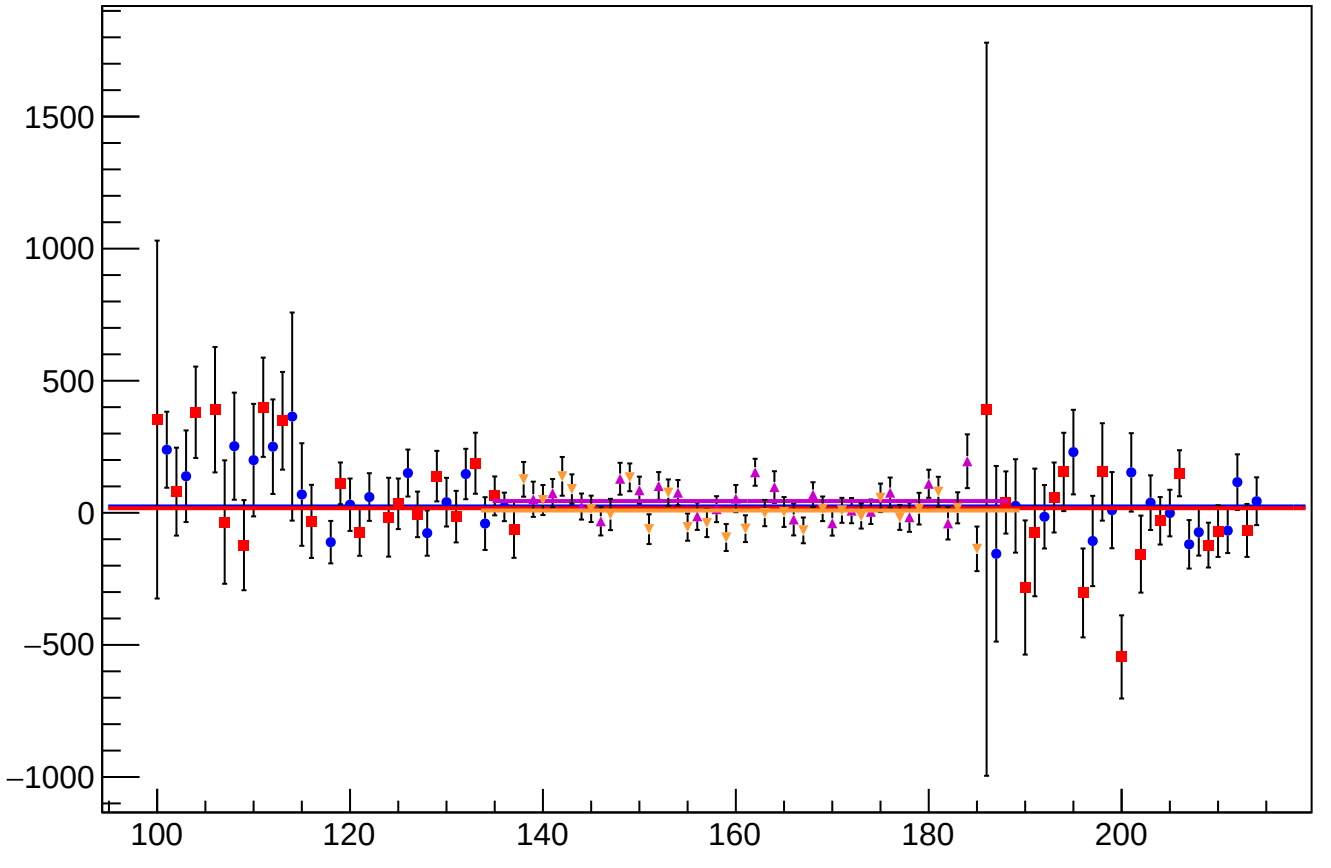
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 713.471+/-0.087 χ^2/NDF: 7092871.8/63

In: 294.941+/-0.039 χ^2/NDF:16911329.4/52

Out: 295.452+/-0.039 χ^2/NDF:18922799.8/58

All: 295.199+/-0.028 χ^2/NDF: 35834214.1/11



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

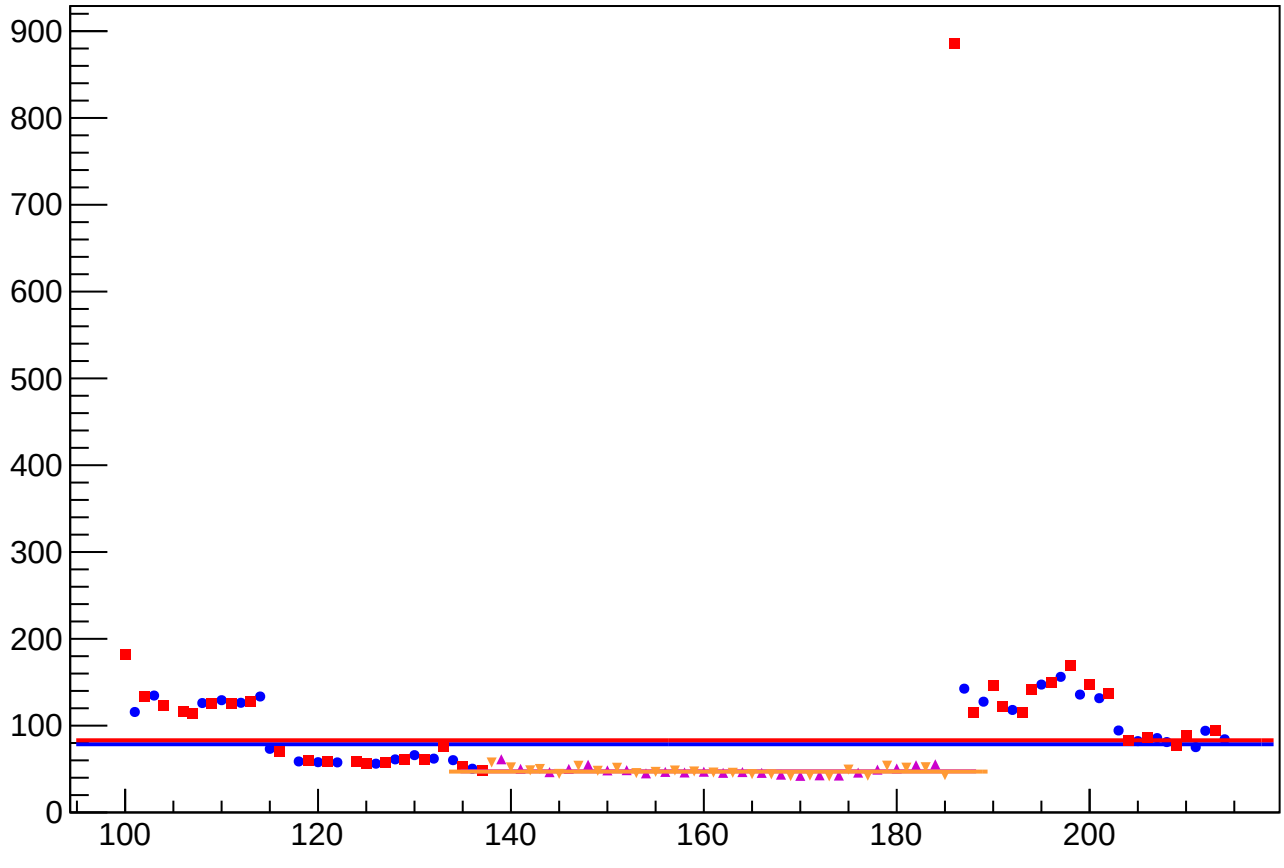
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 20.968+/-14.226 χ^2/NDF: 75.3/63

In: 39.554+/-9.692 χ^2/NDF:52.4/52

Out: 10.616+/-9.551 χ^2/NDF:85.4/58

All: 24.873+/-6.803 χ^2/NDF: 142.3/111



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

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

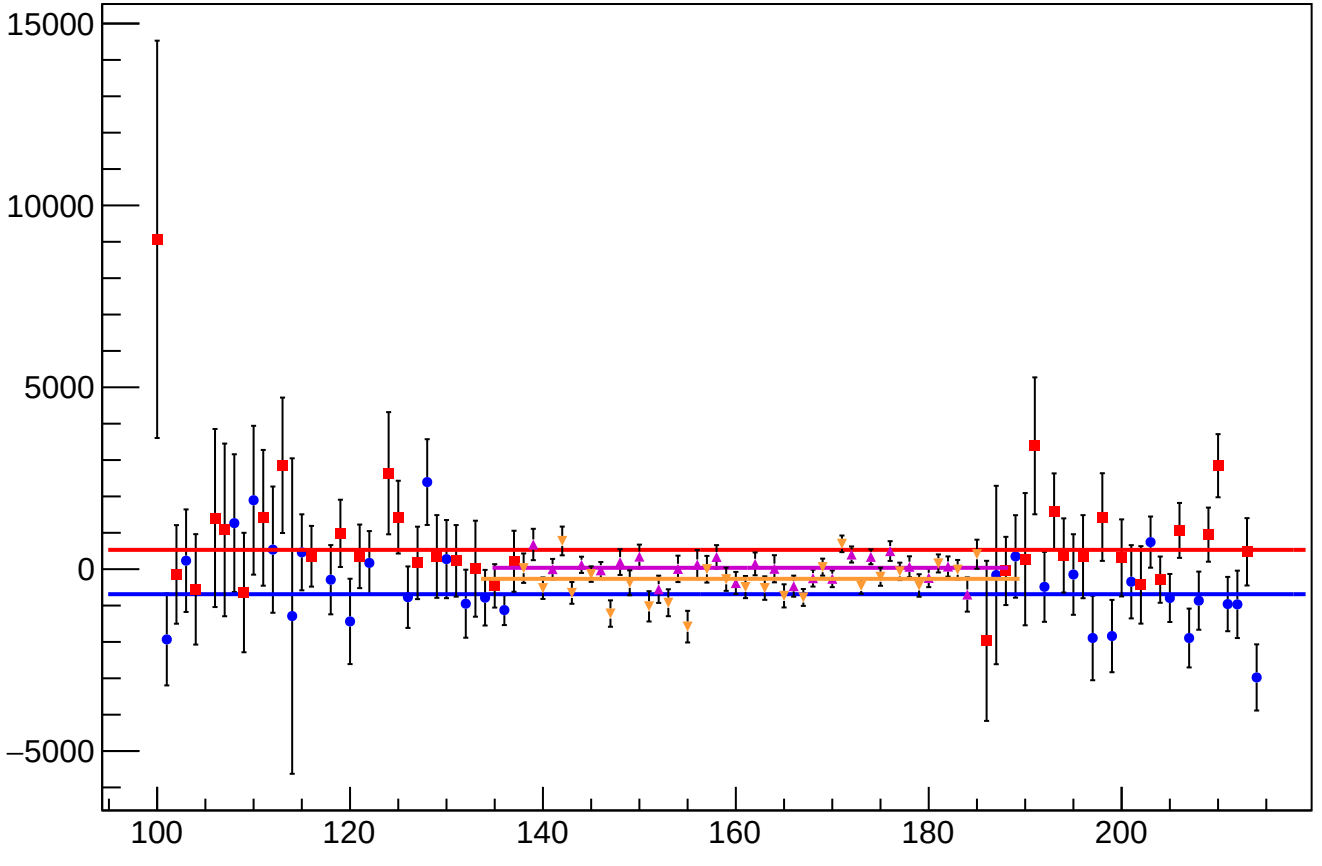
Right: 80.738+/-0.010 χ^2/NDF: 8973784.9/63

In: 55.005+/-0.007 χ^2/NDF:7995129.9/52

Out: 54.765+/-0.007 χ^2/NDF:10102059.9/58

All: 54.883+/-0.005 χ^2/NDF: 18097810.8/111

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

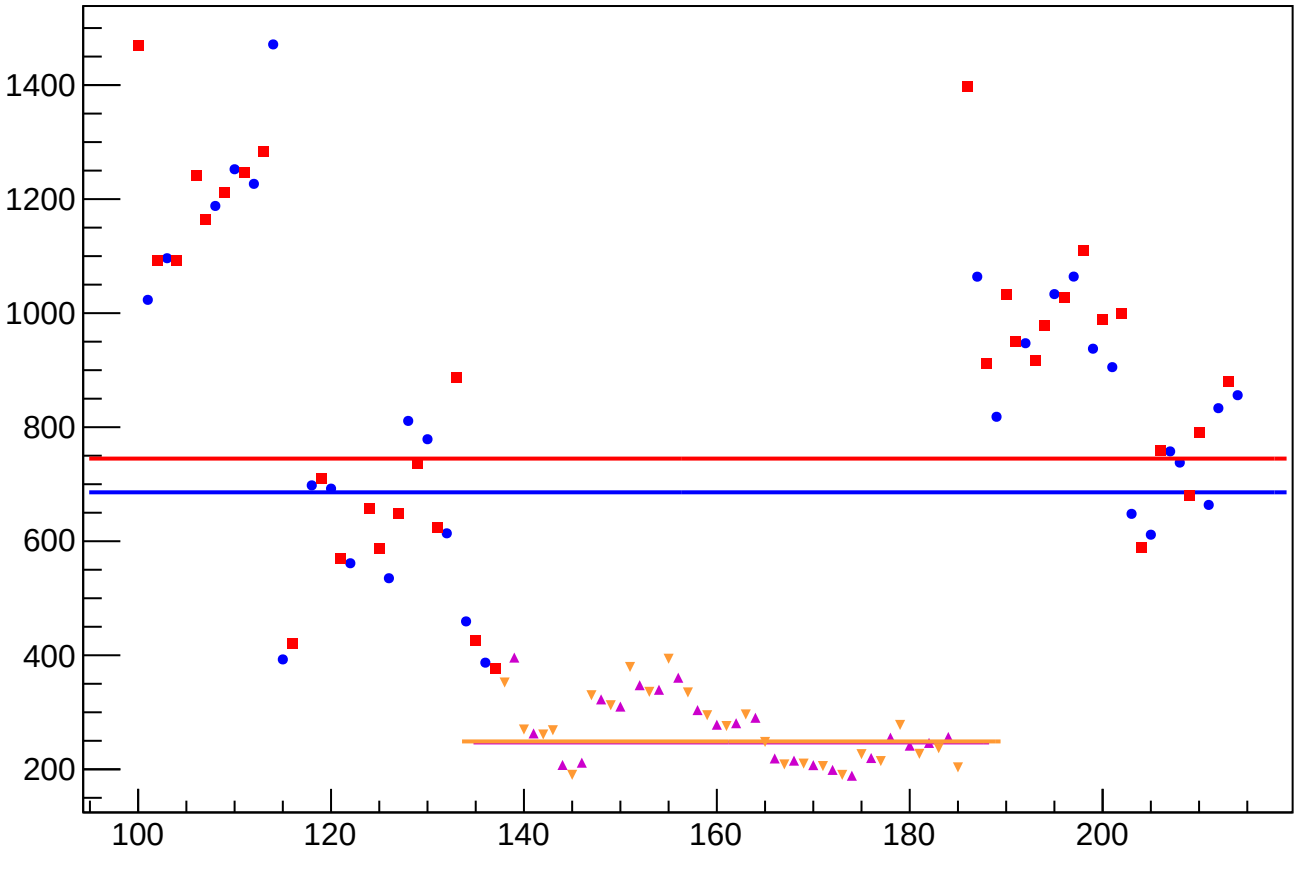
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -117.376+/-123.347 χ^2/NDF: 85.0/63

In: -41.568+/-55.841 χ^2/NDF:75.9/52

Out: -190.885+/-55.241 χ^2/NDF:115.3/58

All: -117.034+/-39.272 χ^2/NDF: 194.8/111



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

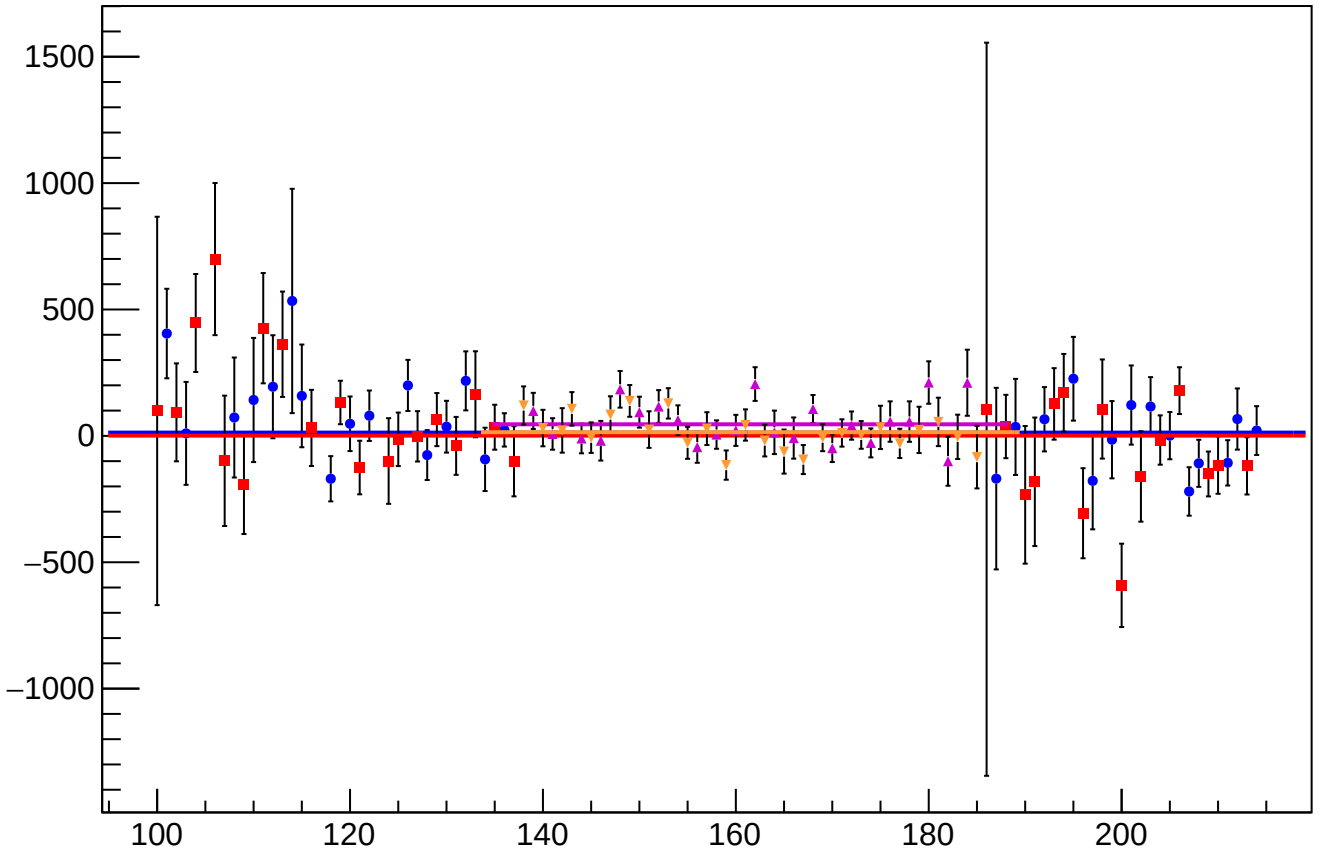
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 713.471+/-0.087 χ^2/NDF: 7092871.8/63

In: 294.941+/-0.039 χ^2/NDF:16911329.4/52

Out: 295.452+/-0.039 χ^2/NDF:18922799.8/58

All: 295.199+/-0.028 χ^2/NDF: 35834214.1/11



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

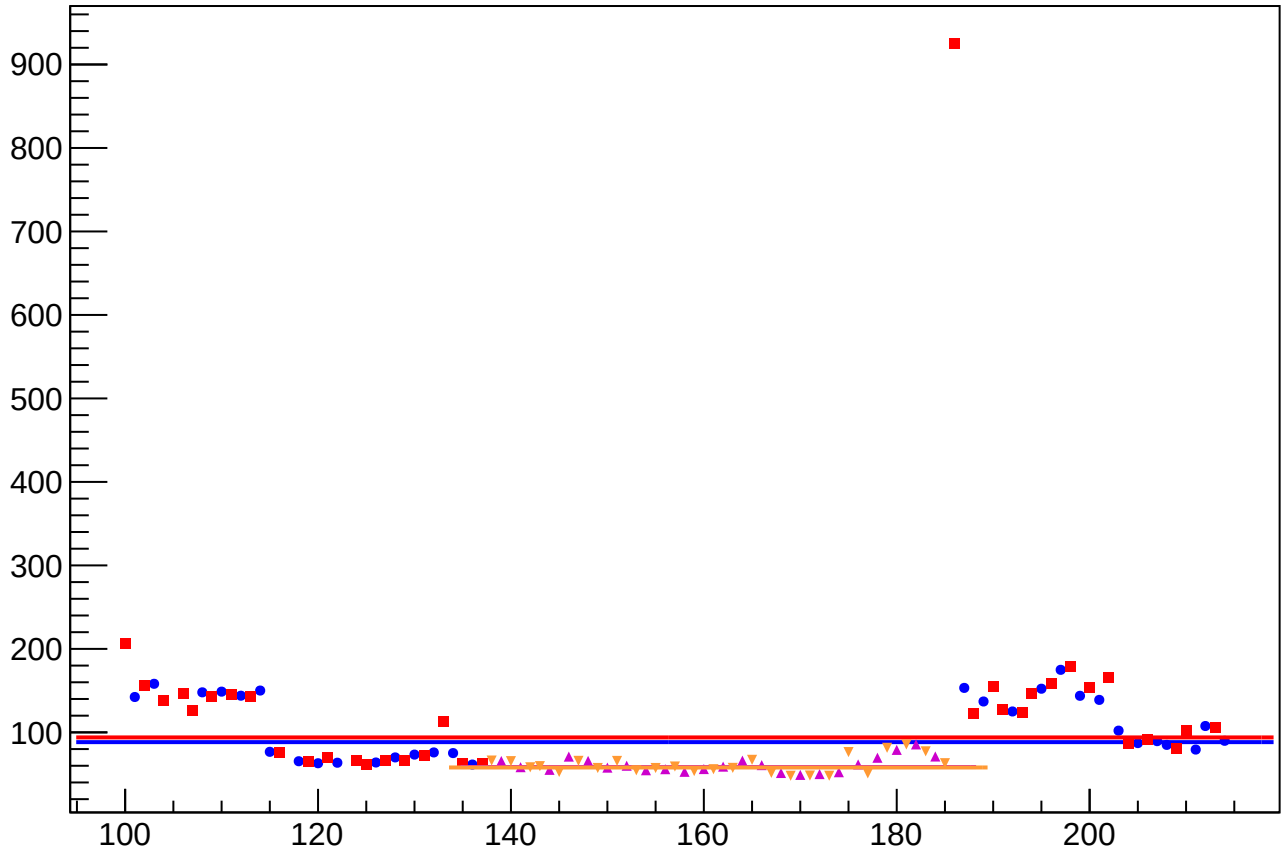
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 7.379+/-15.983 χ^2/NDF: 89.1/63

In: 36.366+/-11.763 χ^2/NDF:67.1/52

Out: 11.158+/-11.653 χ^2/NDF:79.0/58

All: 23.644+/-8.278 χ^2/NDF: 148.4/111



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

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

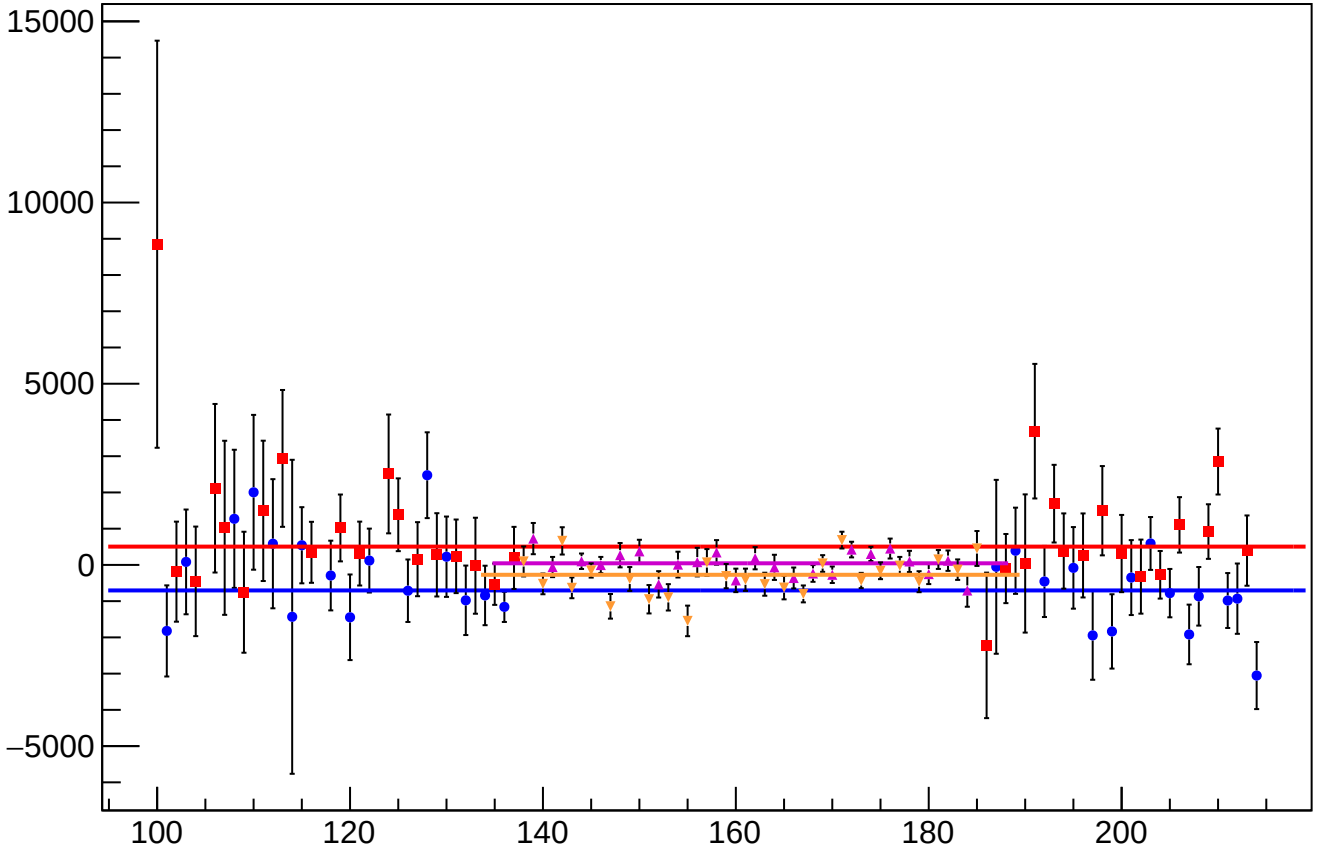
Right: 90.957+/-0.011 χ^2/NDF: 8171154.5/63

In: 67.041+/-0.008 χ^2/NDF:6755078.5/52

Out: 66.954+/-0.008 χ^2/NDF:9106311.1/58

All: 66.998+/-0.006 χ^2/NDF: 15861444.7/111

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



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

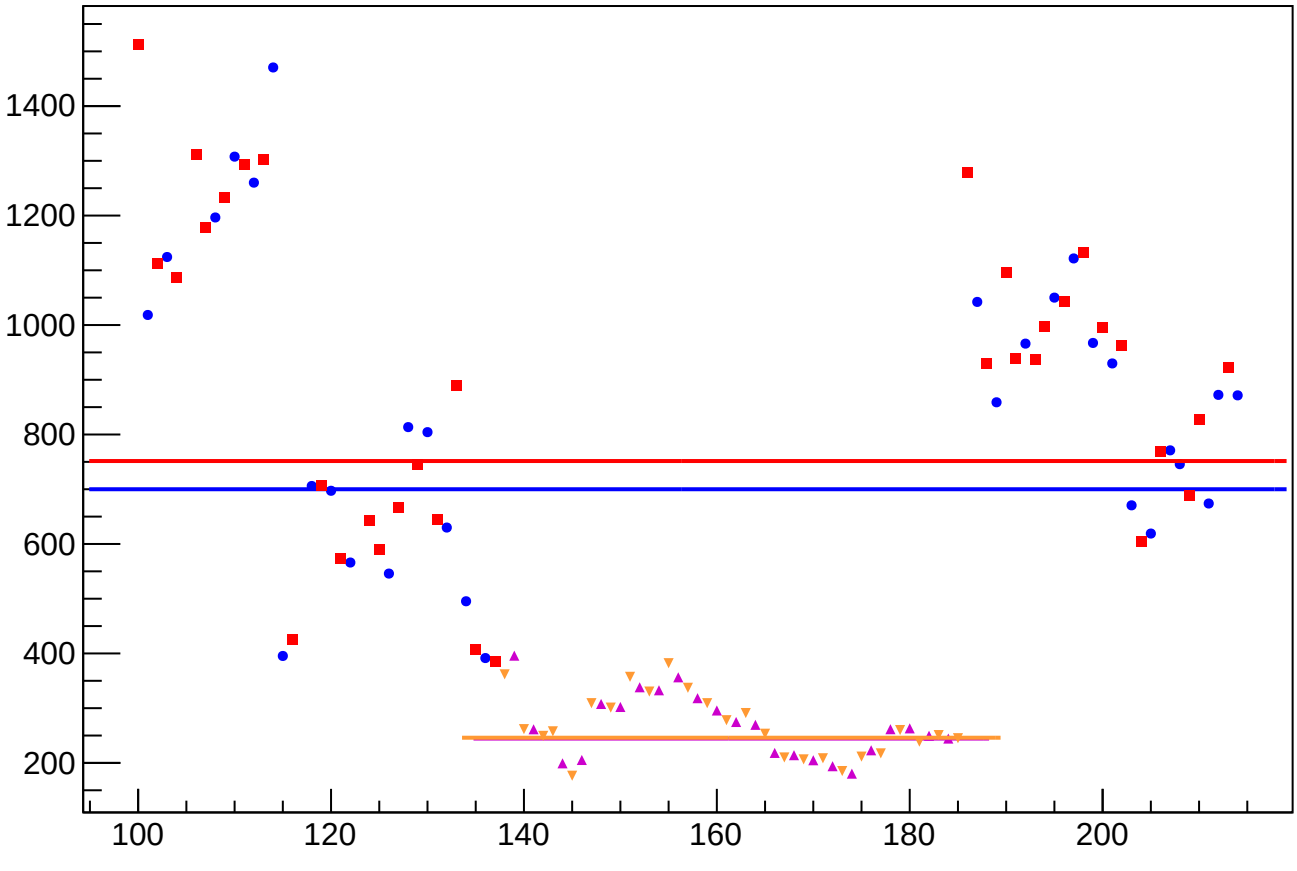
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -131.261+/-125.258 χ^2/NDF: 84.5/63

In: -32.813+/-55.504 χ^2/NDF:75.4/52

Out: -202.426+/-54.632 χ^2/NDF:111.6/58

All: -118.962+/-38.935 χ^2/NDF: 191.7/111



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

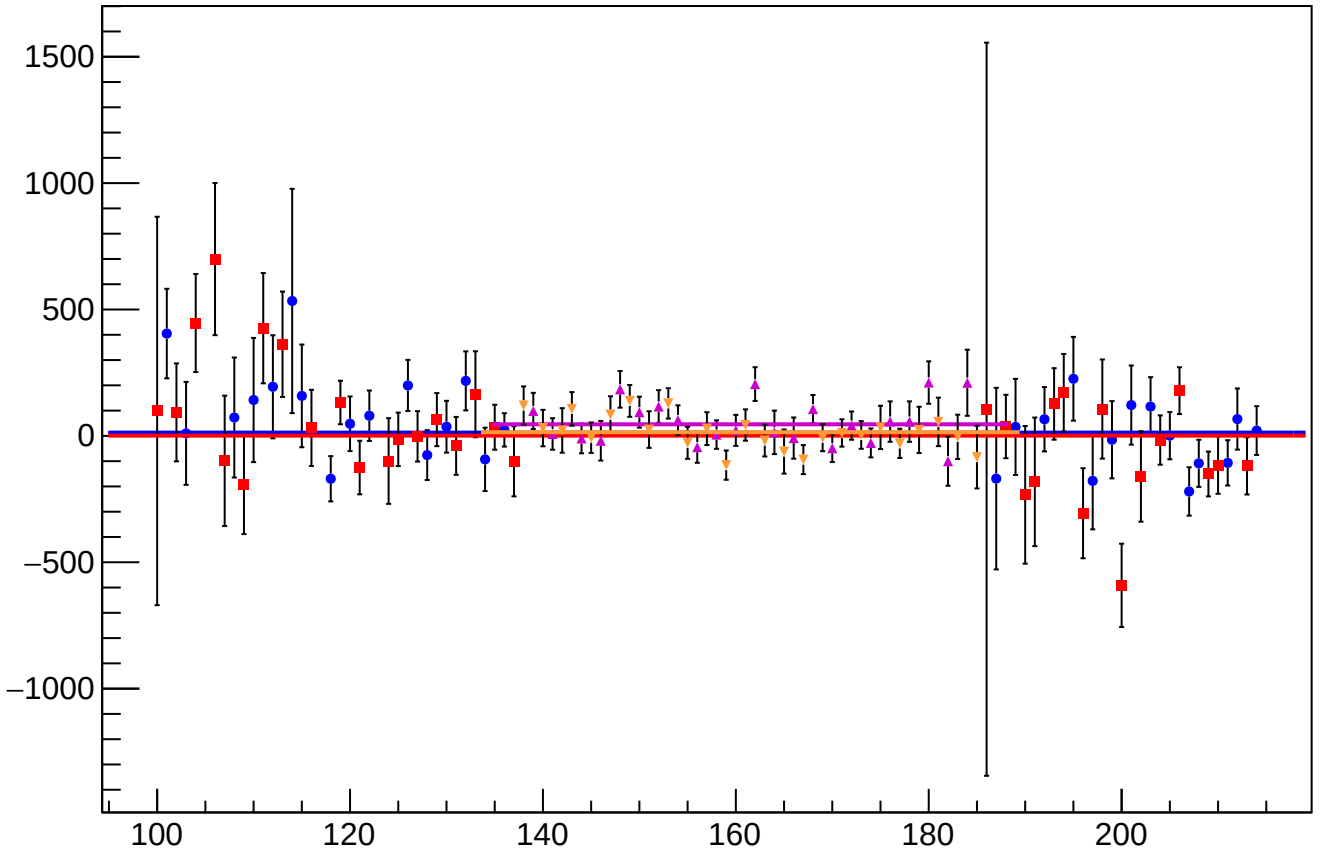
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 724.412+/-0.089 χ^2/NDF: 7273415.3/63

In: 291.515+/-0.039 χ^2/NDF:17559562.9/52

Out: 291.582+/-0.039 χ^2/NDF:19431587.8/58

All: 291.549+/-0.028 χ^2/NDF: 36991152.2/11



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

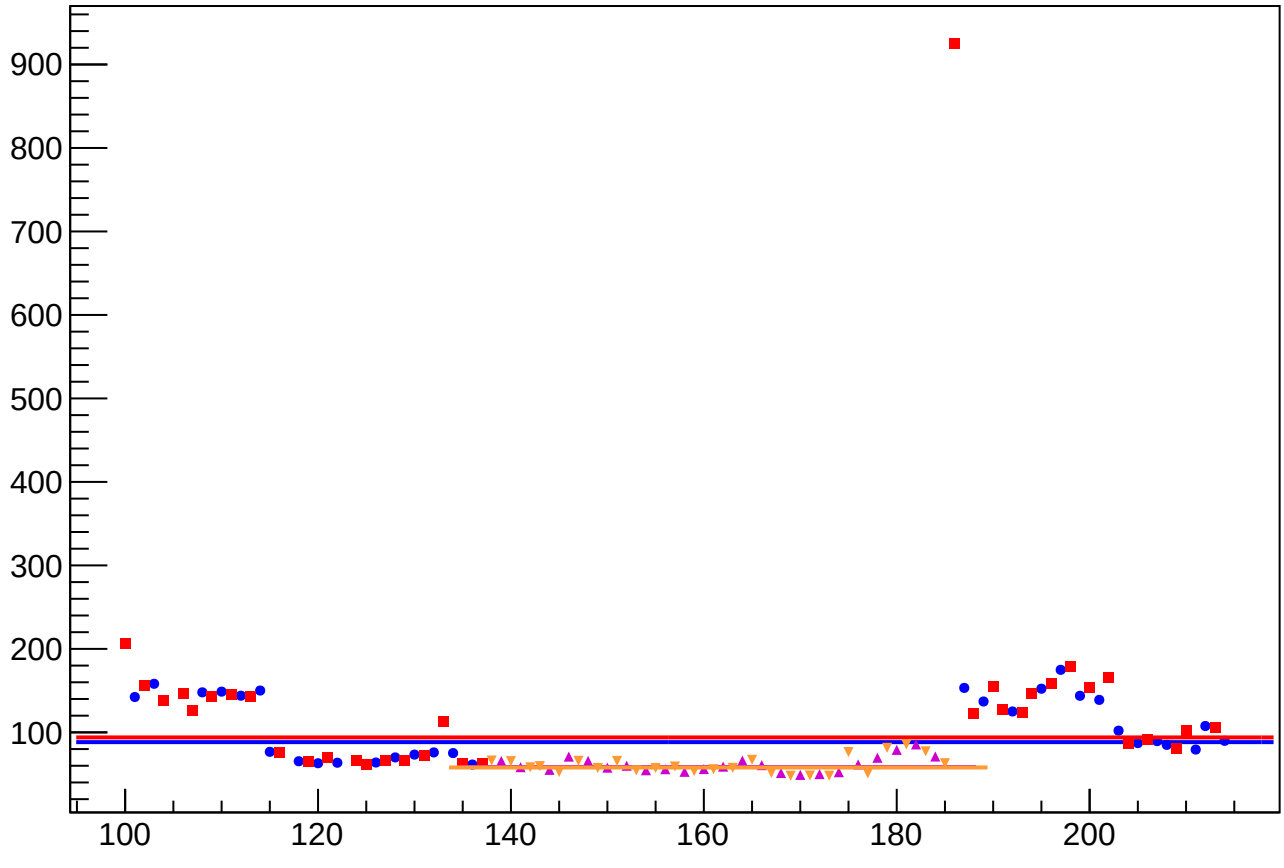
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 7.380+/-15.983 χ^2/NDF: 89.1/63

In: 36.366+/-11.763 χ^2/NDF:67.1/52

Out: 11.157+/-11.653 χ^2/NDF:79.0/58

All: 23.644+/-8.278 χ^2/NDF: 148.4/111



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

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

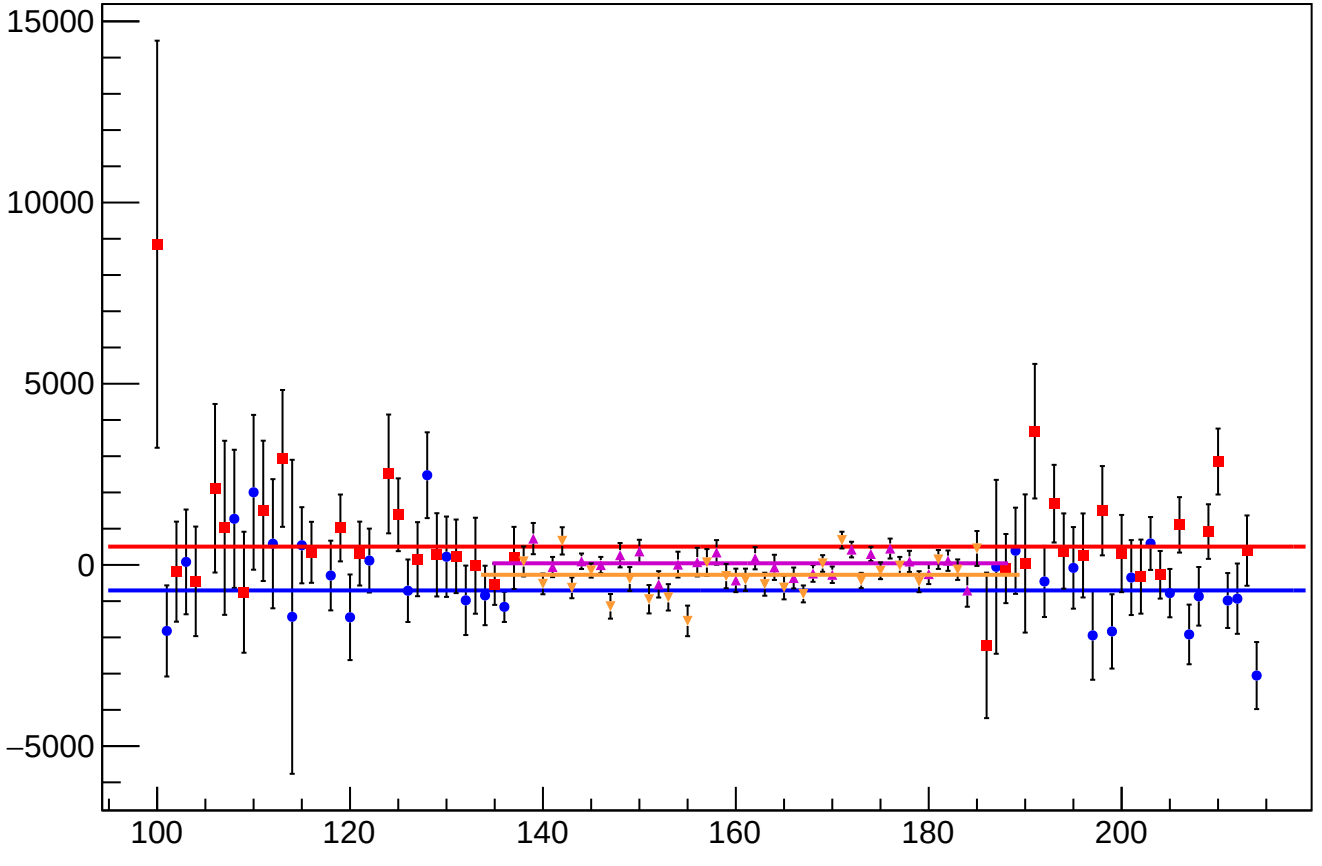
Right: 90.957+/-0.011 χ^2/NDF: 8171170.9/63

In: 67.042+/-0.008 χ^2/NDF:6755001.1/52

Out: 66.955+/-0.008 χ^2/NDF:9106270.6/58

All: 66.998+/-0.006 χ^2/NDF: 15861326.9/111

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

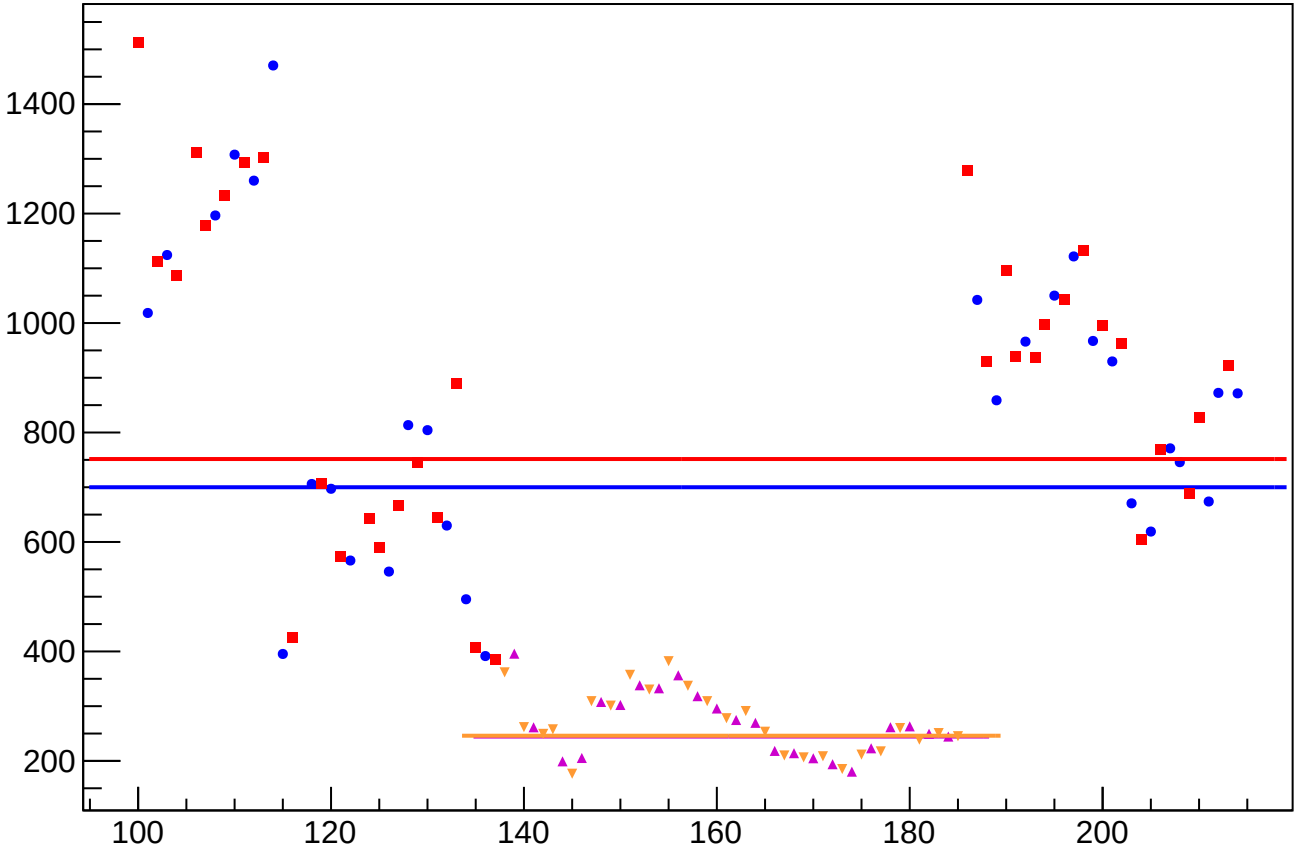
Right: -131.260+/-125.258 χ^2/NDF: 84.5/63

In: -32.813+/-55.504 χ^2/NDF:75.4/52

Out: -202.425+/-54.632 χ^2/NDF:111.6/58

All: -118.962+/-38.935 χ^2/NDF: 191.7/111

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

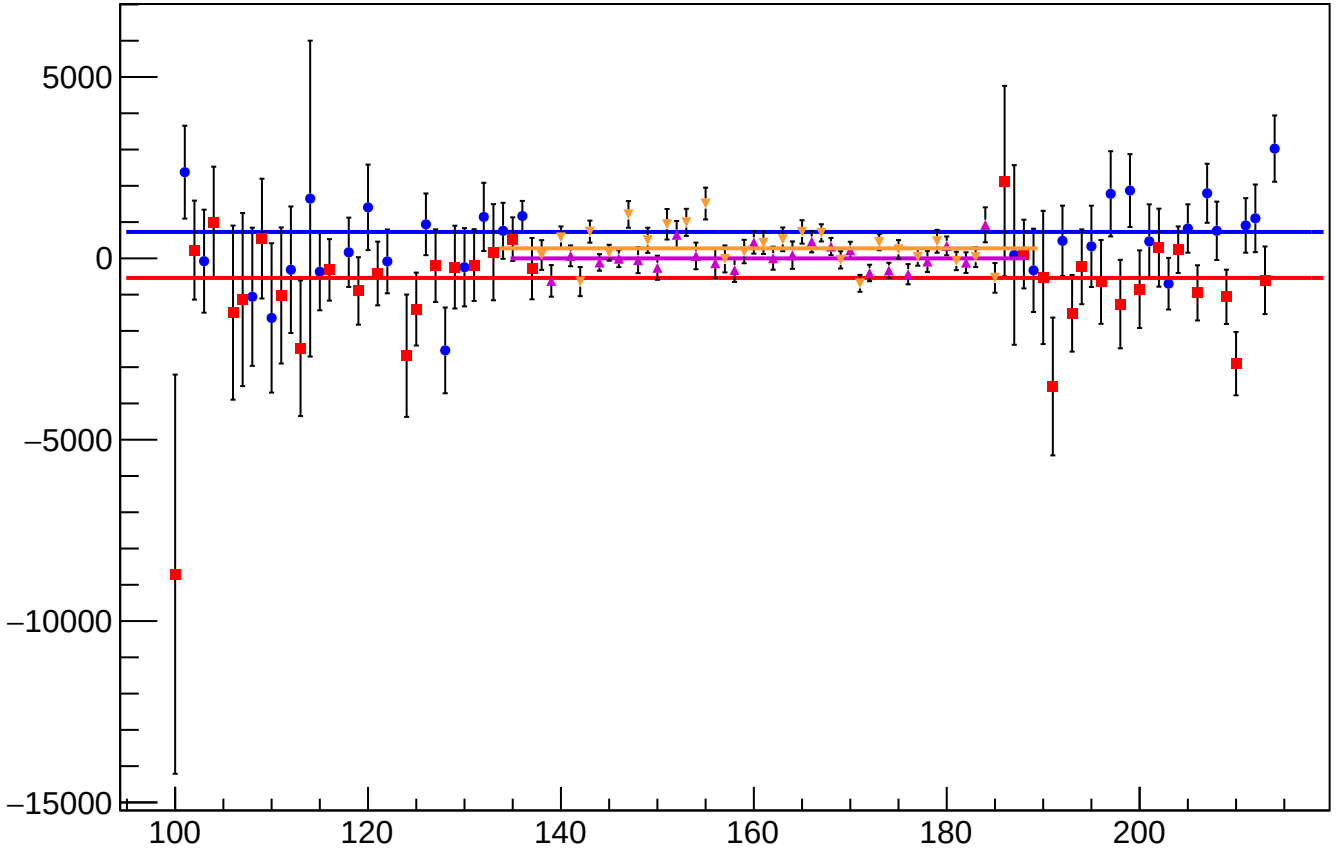
Right: 724.411+/-0.089 χ^2/NDF: 7273378.1/63

In: 291.514+/-0.039 χ^2/NDF:17559548.1/52

Out: 291.581+/-0.039 χ^2/NDF:19431600.3/58

All: 291.548+/-0.028 χ^2/NDF: 36991149.9/1

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

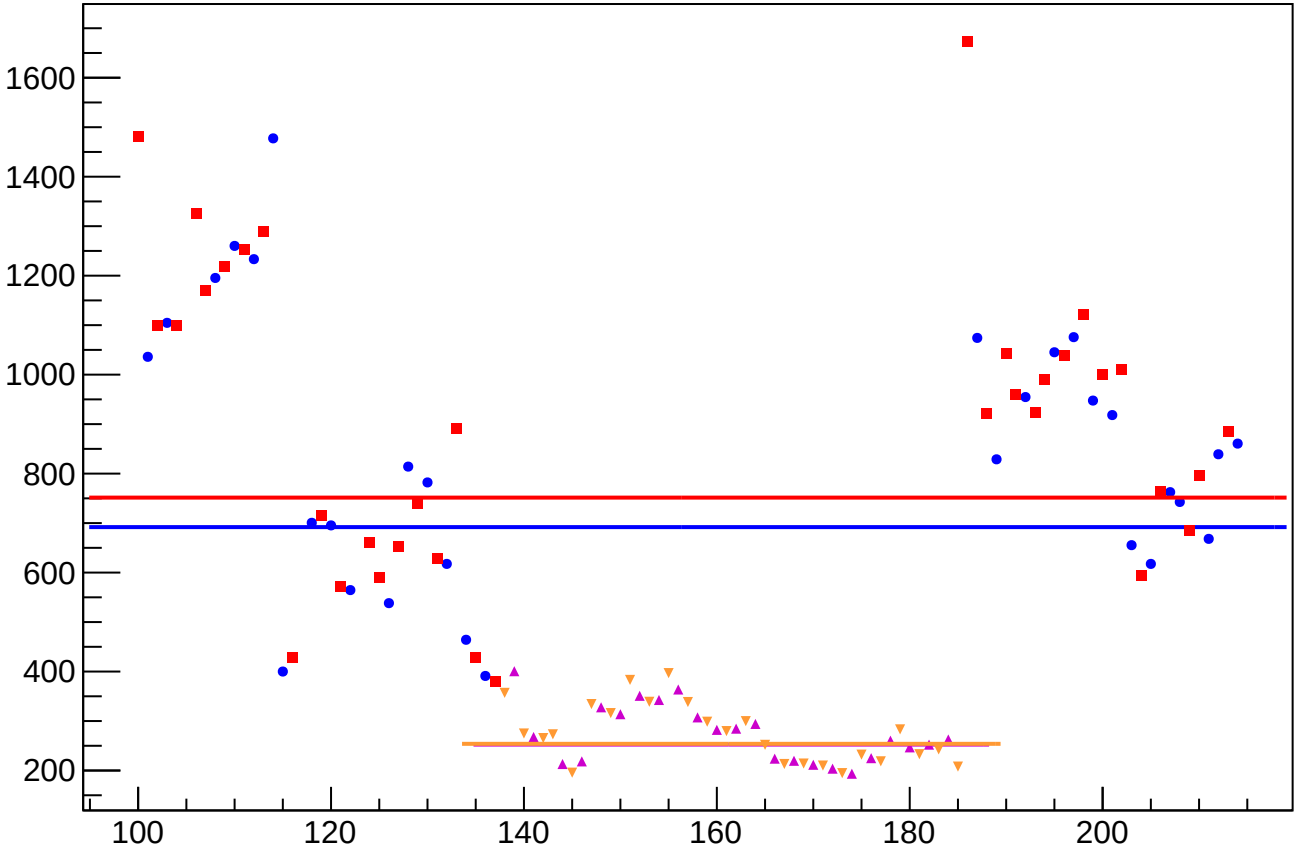
Right: 135.066+/-124.422 χ^2/NDF: 85.7/63

In: 80.529+/-56.899 χ^2/NDF:76.9/52

Out: 199.001+/-56.249 χ^2/NDF:109.6/58

All: 140.446+/-40.002 χ^2/NDF: 188.7/111

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

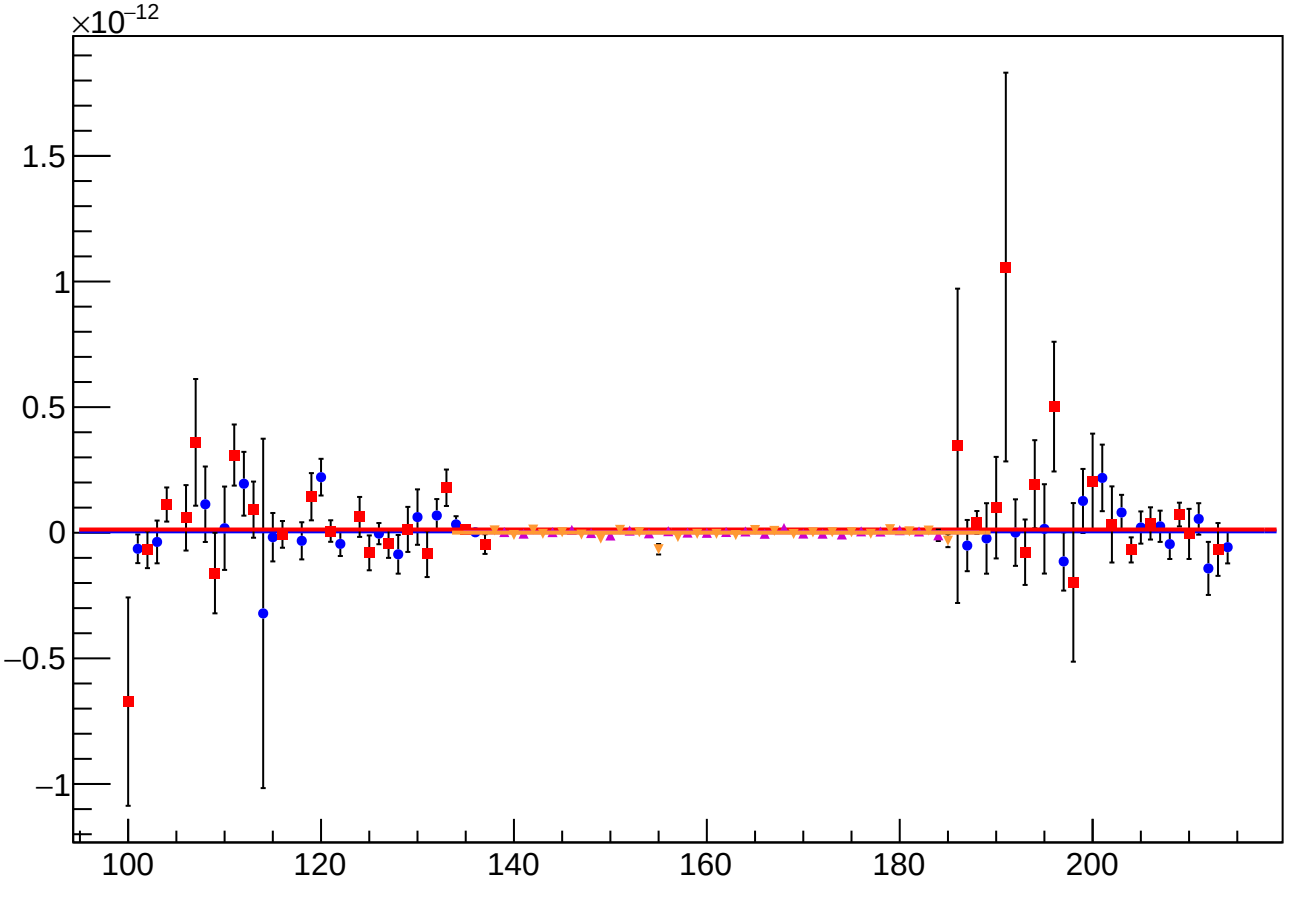
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 719.789+/-0.088 χ^2/NDF: 7179717.2/63

In: 301.293+/-0.040 χ^2/NDF:16633932.2/52

Out: 301.539+/-0.040 χ^2/NDF:18769245.4/58

All: 301.417+/-0.028 χ^2/NDF: 35403196.5/1



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

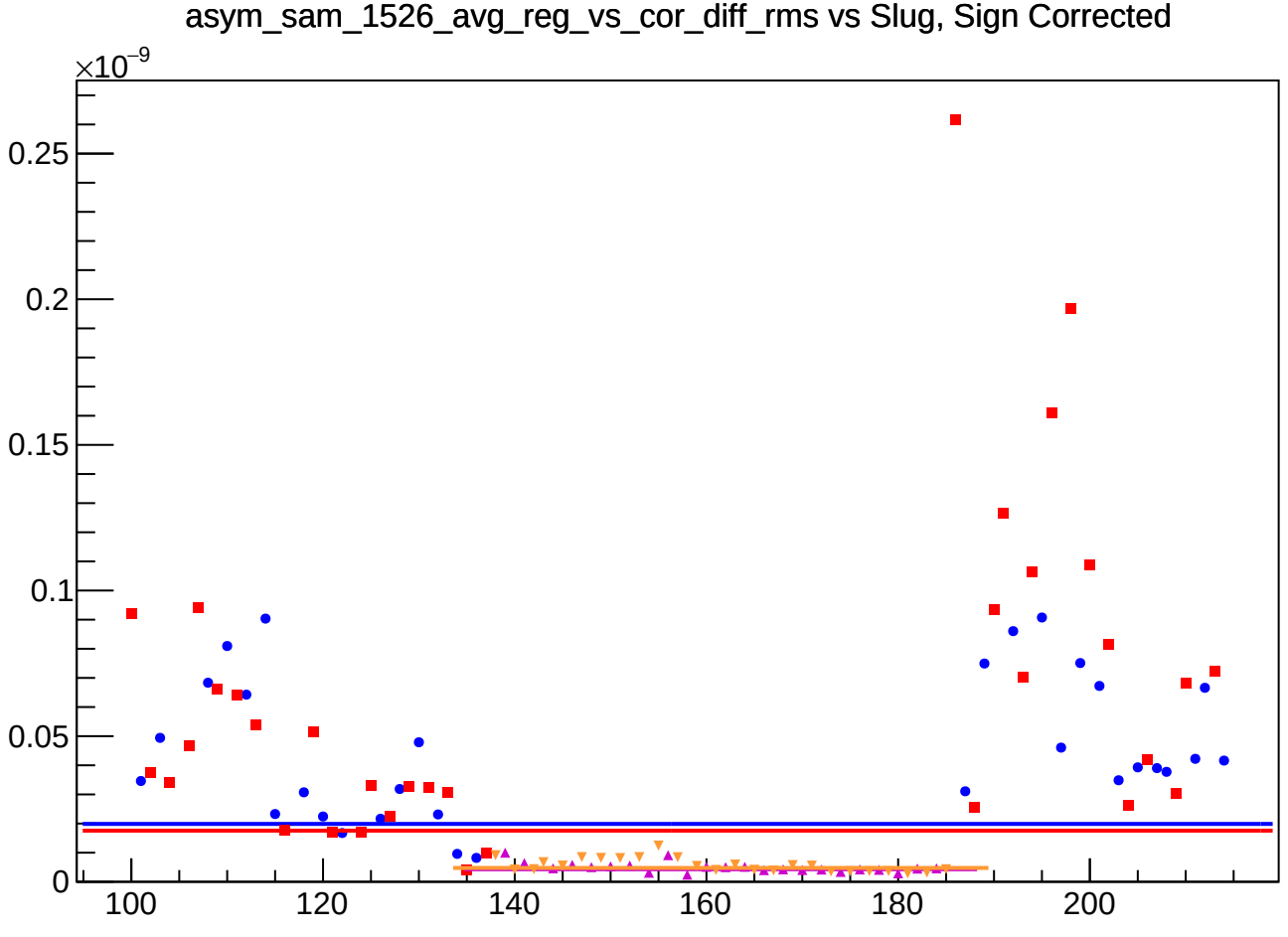
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 72.7/63

In: 0.000+/-0.000 χ^2/NDF:42.8/52

Out: 0.000+/-0.000 χ^2/NDF:72.3/58

All: 0.000+/-0.000 χ^2/NDF: 115.2/111



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

Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

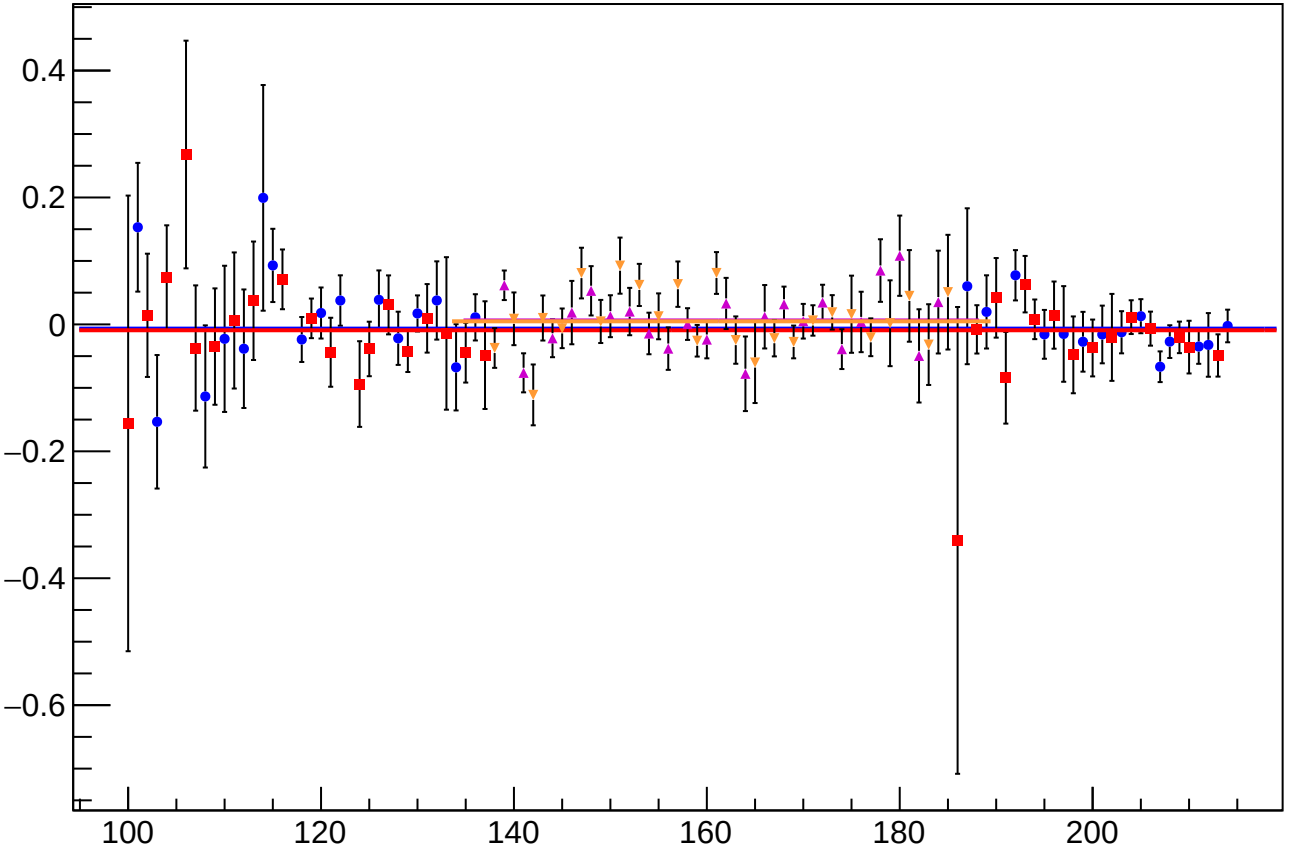
Right: 0.000+/-0.000 χ^2/NDF: 15649356.0/63

In: 0.000+/-0.000 χ^2/NDF:12593226.3/52

Out: 0.000+/-0.000 χ^2/NDF:14196720.0/58

All: 0.000+/-0.000 χ^2/NDF: 26827709.5/111

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

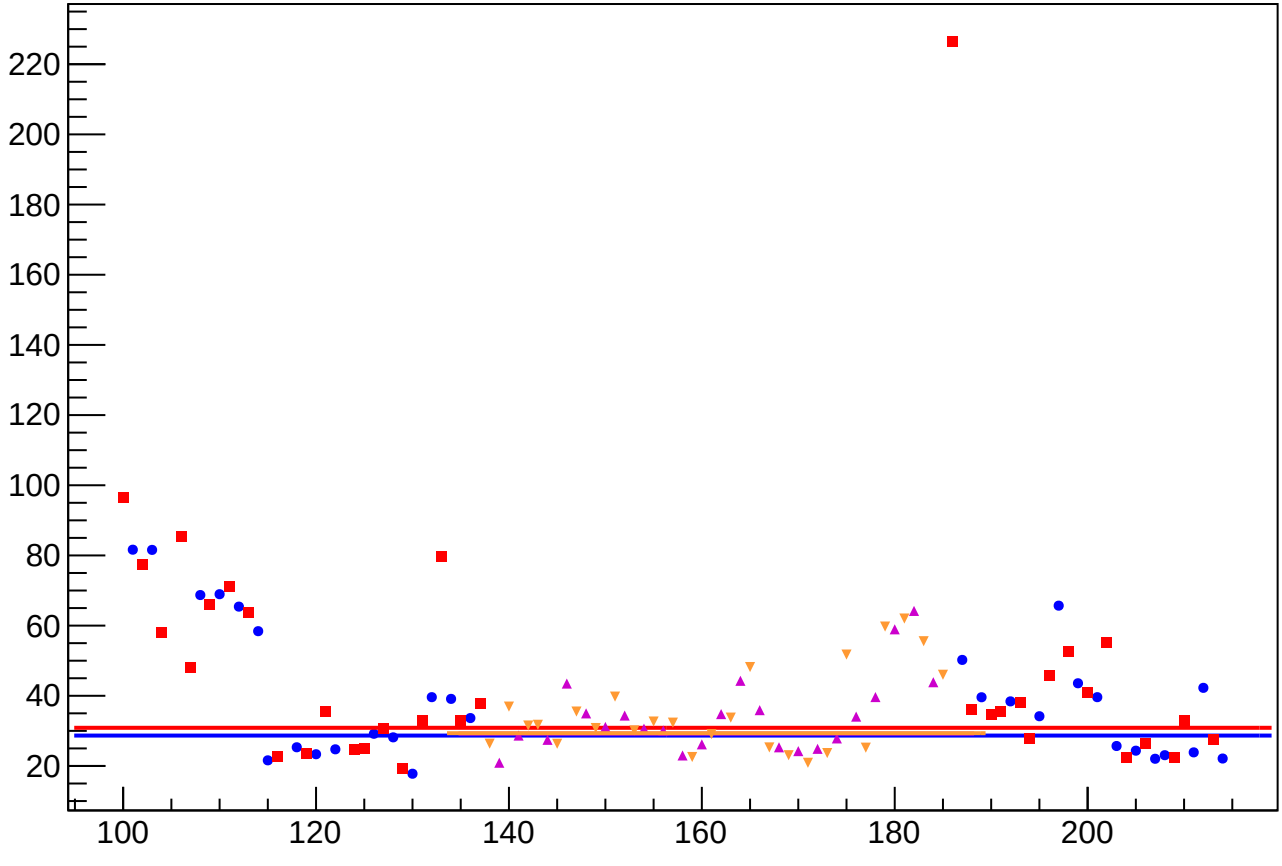
Right: -0.008+/-0.005 χ^2/NDF: 50.7/63

In: -0.000+/-0.005 χ^2/NDF:61.5/52

Out: -0.001+/-0.005 χ^2/NDF:57.3/58

All: -0.001+/-0.004 χ^2/NDF: 118.9/111

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

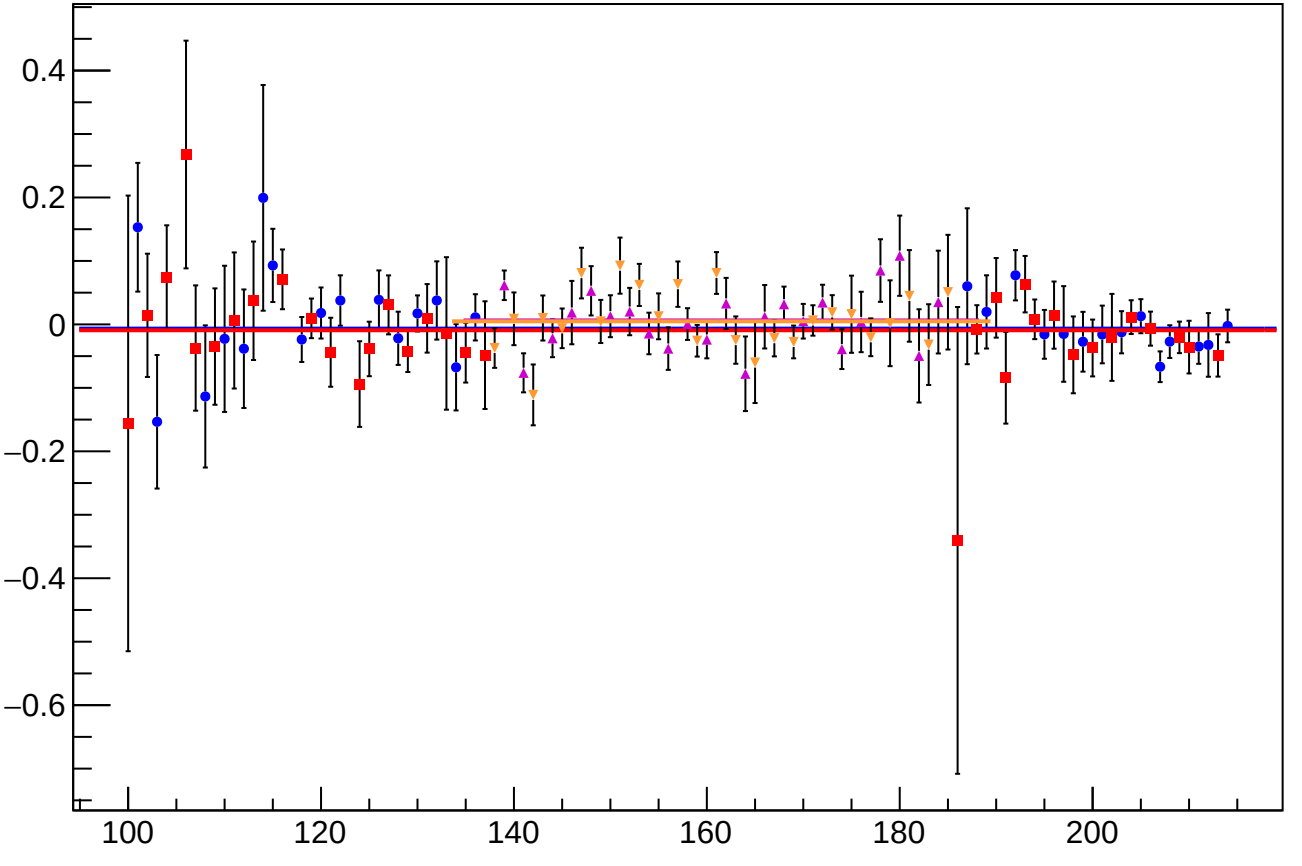
Right: 29.695+/-0.004 χ^2/NDF: 8925258.9/63

In: 28.953+/-0.004 χ^2/NDF:6307551.5/52

Out: 30.017+/-0.004 χ^2/NDF:7367946.2/58

All: 29.474+/-0.003 χ^2/NDF: 13716420.4/111

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

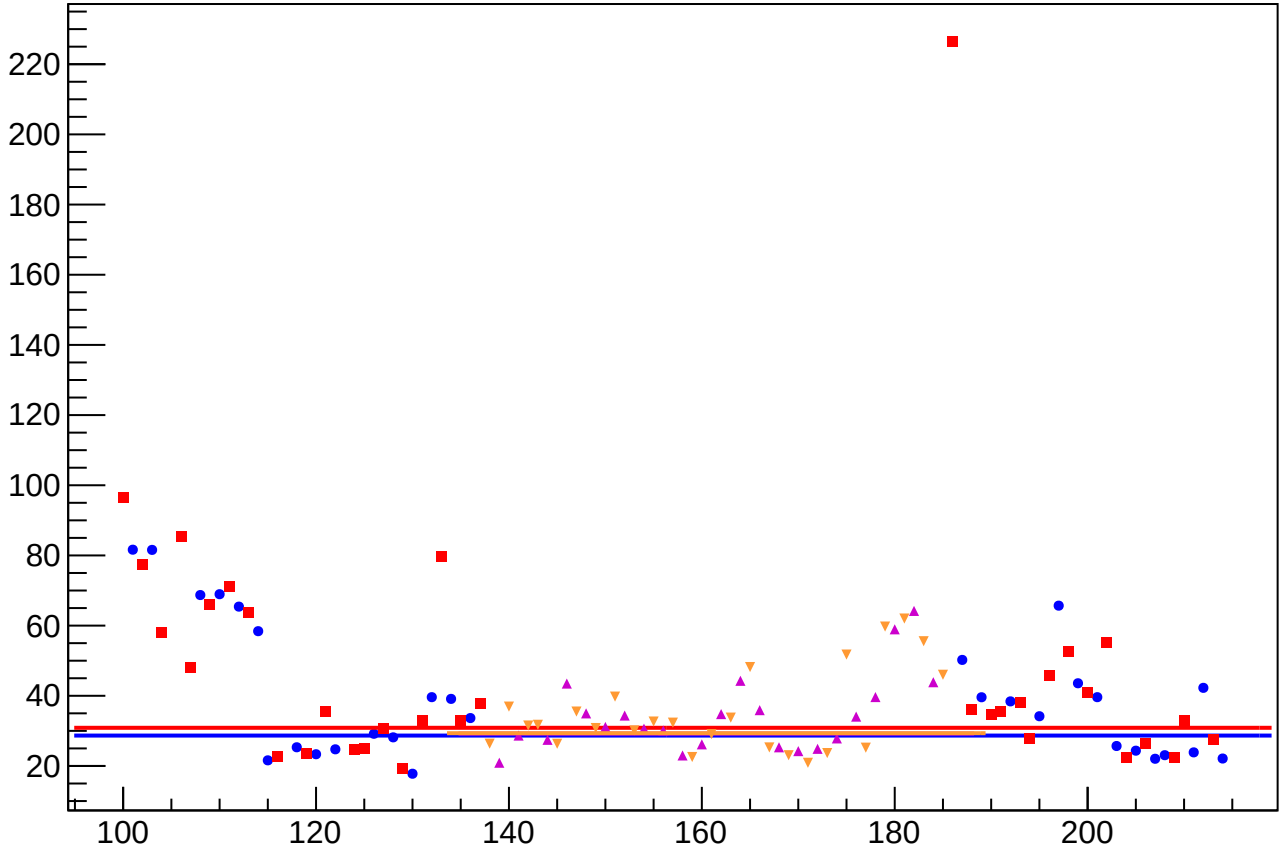
Right: -0.008+/-0.005 χ^2/NDF: 50.7/63

In: -0.000+/-0.005 χ^2/NDF:61.5/52

Out: -0.001+/-0.005 χ^2/NDF:57.3/58

All: -0.001+/-0.004 χ^2/NDF: 118.9/111

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

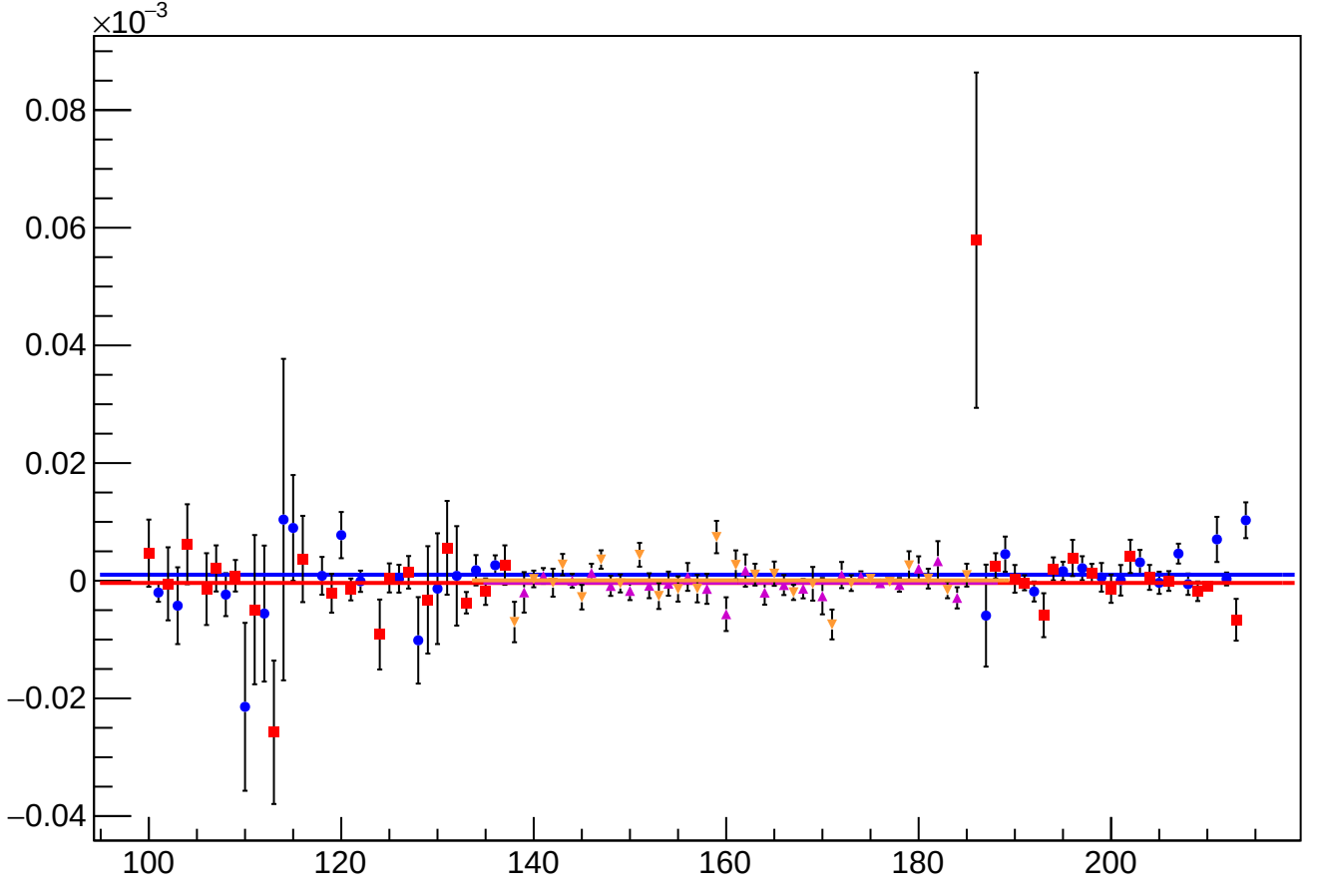
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 29.695+/-0.004 χ^2/NDF: 8925258.9/63

In: 28.953+/-0.004 χ^2/NDF:6307551.5/52

Out: 30.017+/-0.004 χ^2/NDF:7367946.2/58

All: 29.474+/-0.003 χ^2/NDF: 13716420.4/111



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

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

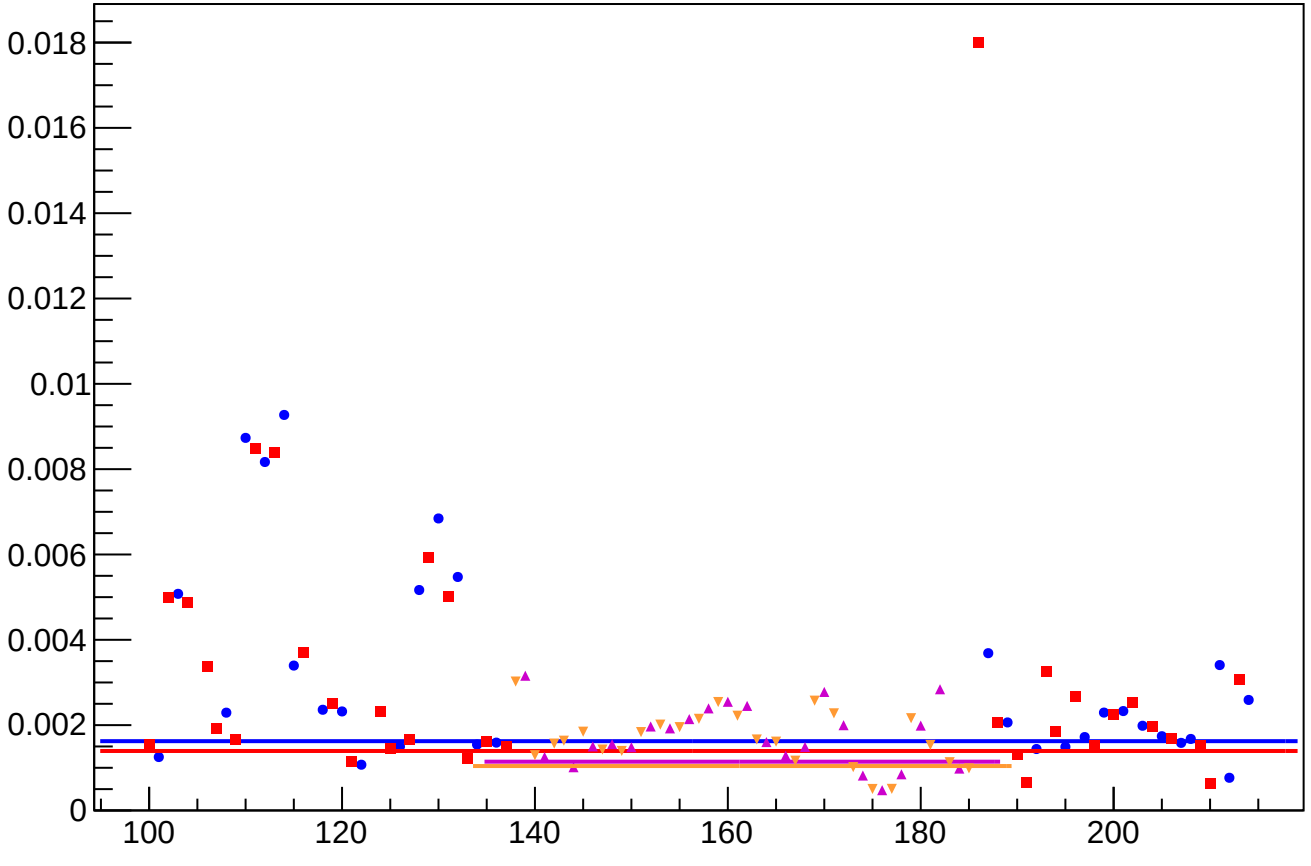
Right: 0.000+/-0.000 χ^2/NDF: 81.6/63

In: 0.000+/-0.000 χ^2/NDF:61.9/52

Out: -0.000+/-0.000 χ^2/NDF:80.3/58

All: 0.000+/-0.000 χ^2/NDF: 142.6/111

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

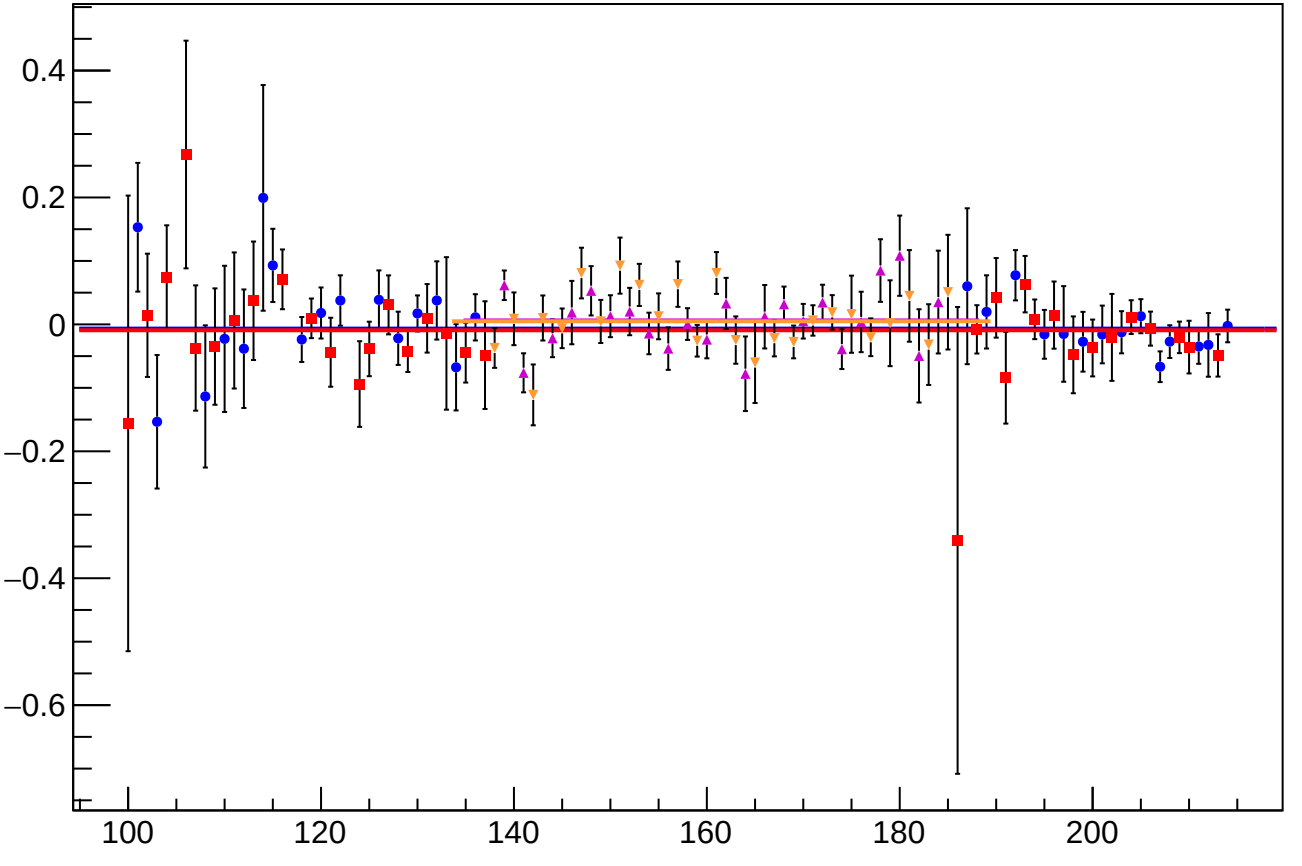
Right: 0.001+/-0.000 χ^2/NDF: 16950283.1/63

In: 0.001+/-0.000 χ^2/NDF:16315069.4/52

Out: 0.001+/-0.000 χ^2/NDF:21164209.4/58

All: 0.001+/-0.000 χ^2/NDF: 37838251.4/111

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

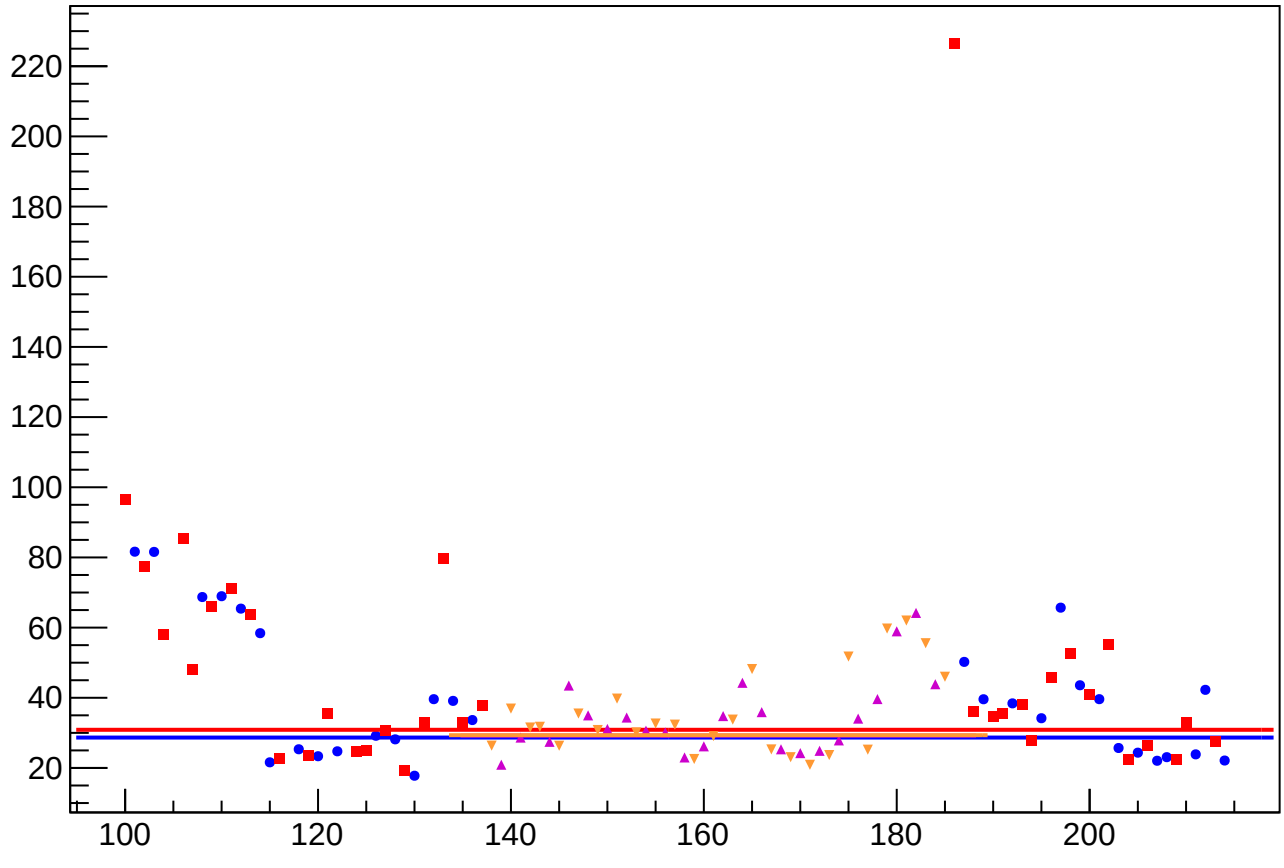
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: -0.008+/-0.005 χ^2/NDF: 50.7/63

In: -0.000+/-0.005 χ^2/NDF:61.5/52

Out: -0.001+/-0.005 χ^2/NDF:57.3/58

All: -0.001+/-0.004 χ^2/NDF: 118.9/111



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

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

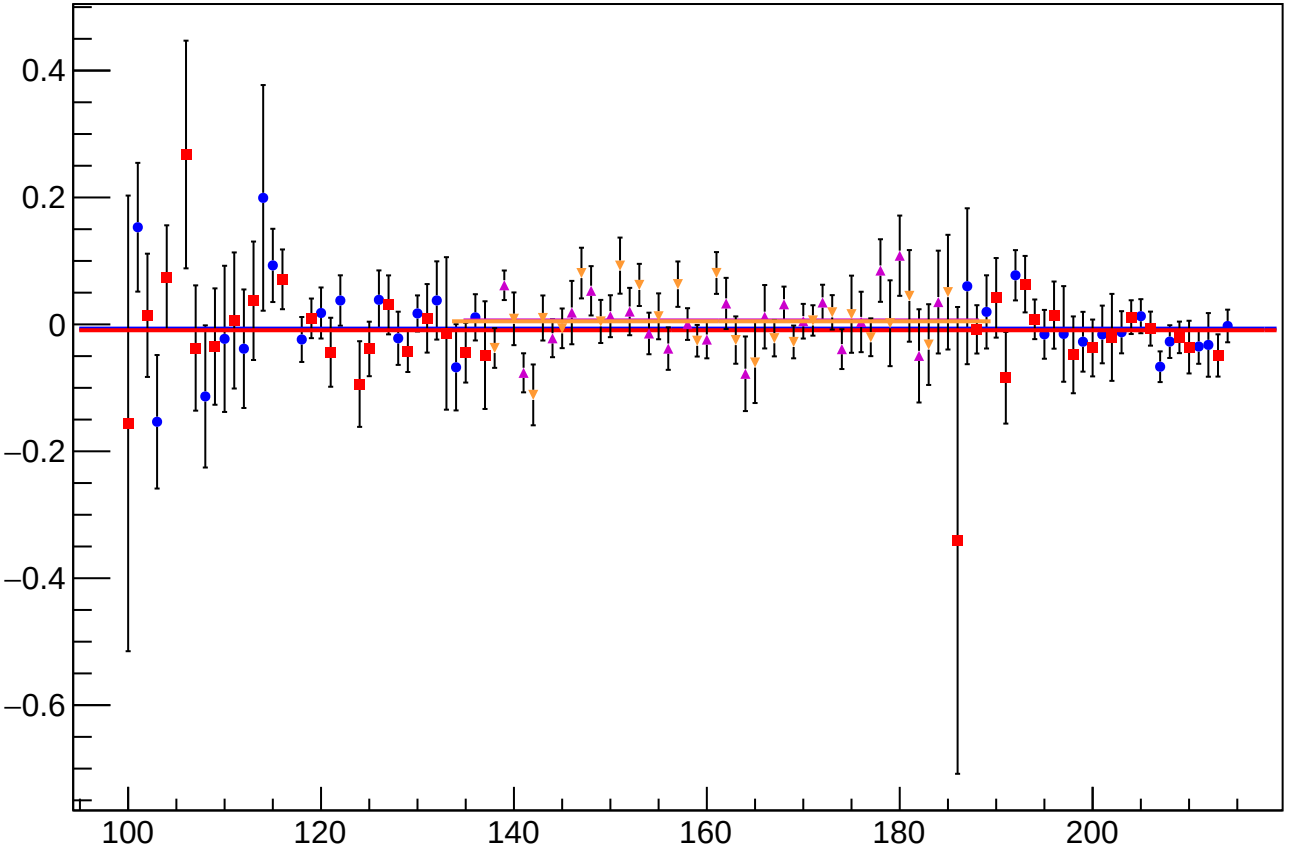
Right: 29.694+/-0.004 χ^2/NDF: 8925807.7/63

In: 28.952+/-0.004 χ^2/NDF:6307904.1/52

Out: 30.017+/-0.004 χ^2/NDF:7368107.8/58

All: 29.474+/-0.003 χ^2/NDF: 13716943.1/111

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

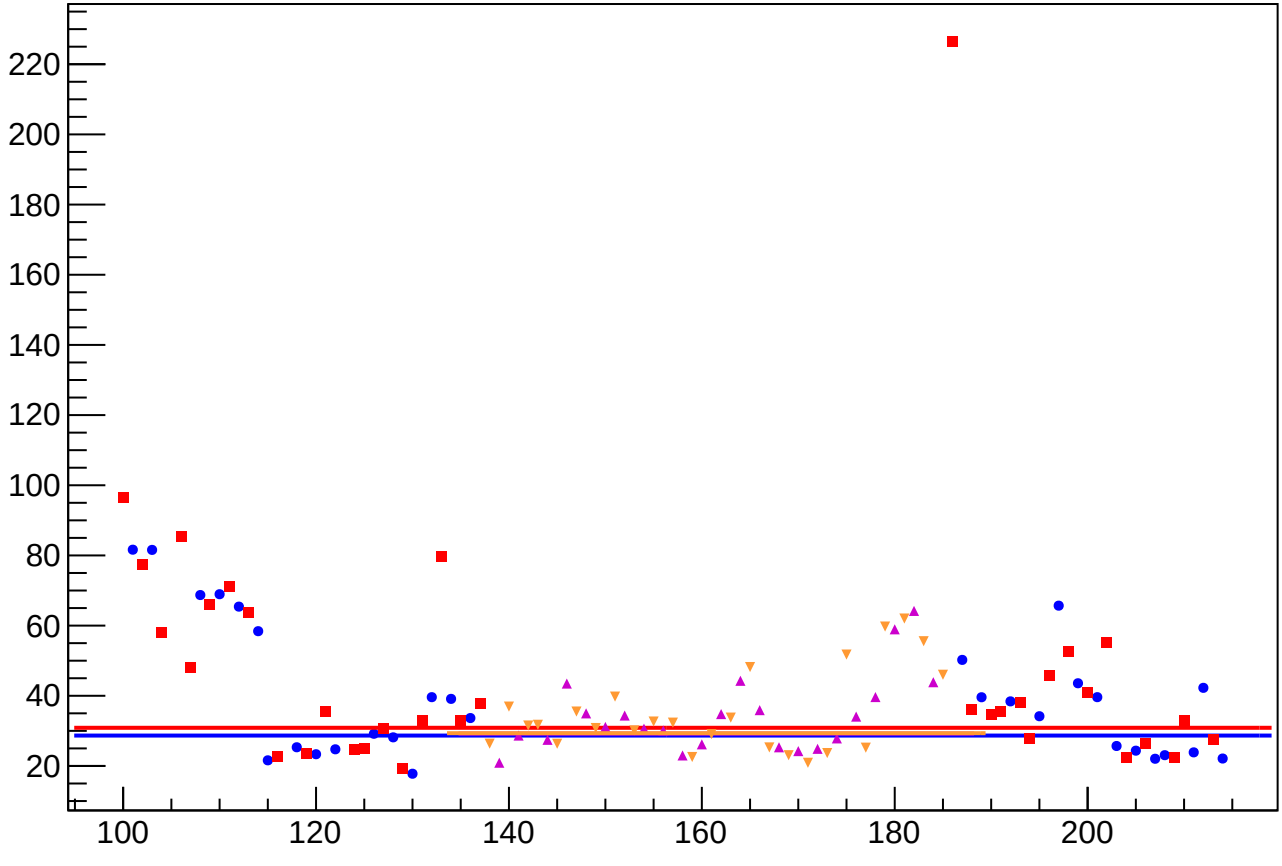
Right: -0.008+/-0.005 χ^2/NDF: 50.7/63

In: -0.000+/-0.005 χ^2/NDF:61.5/52

Out: -0.001+/-0.005 χ^2/NDF:57.3/58

All: -0.001+/-0.004 χ^2/NDF: 118.9/111

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

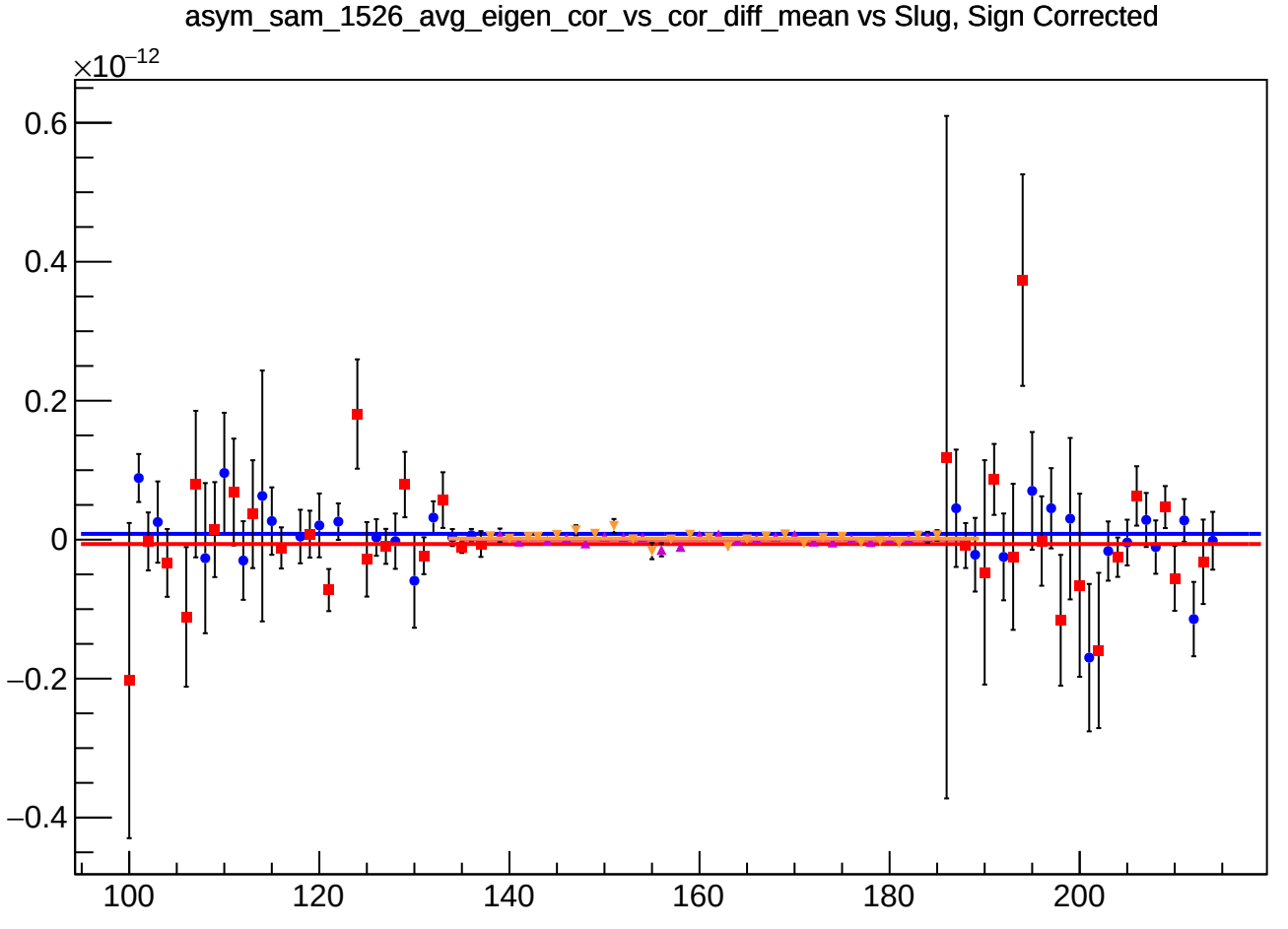
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 29.694+/-0.004 χ^2/NDF: 8925807.7/63

In: 28.952+/-0.004 χ^2/NDF:6307904.1/52

Out: 30.017+/-0.004 χ^2/NDF:7368107.8/58

All: 29.474+/-0.003 χ^2/NDF: 13716943.1/111



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

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

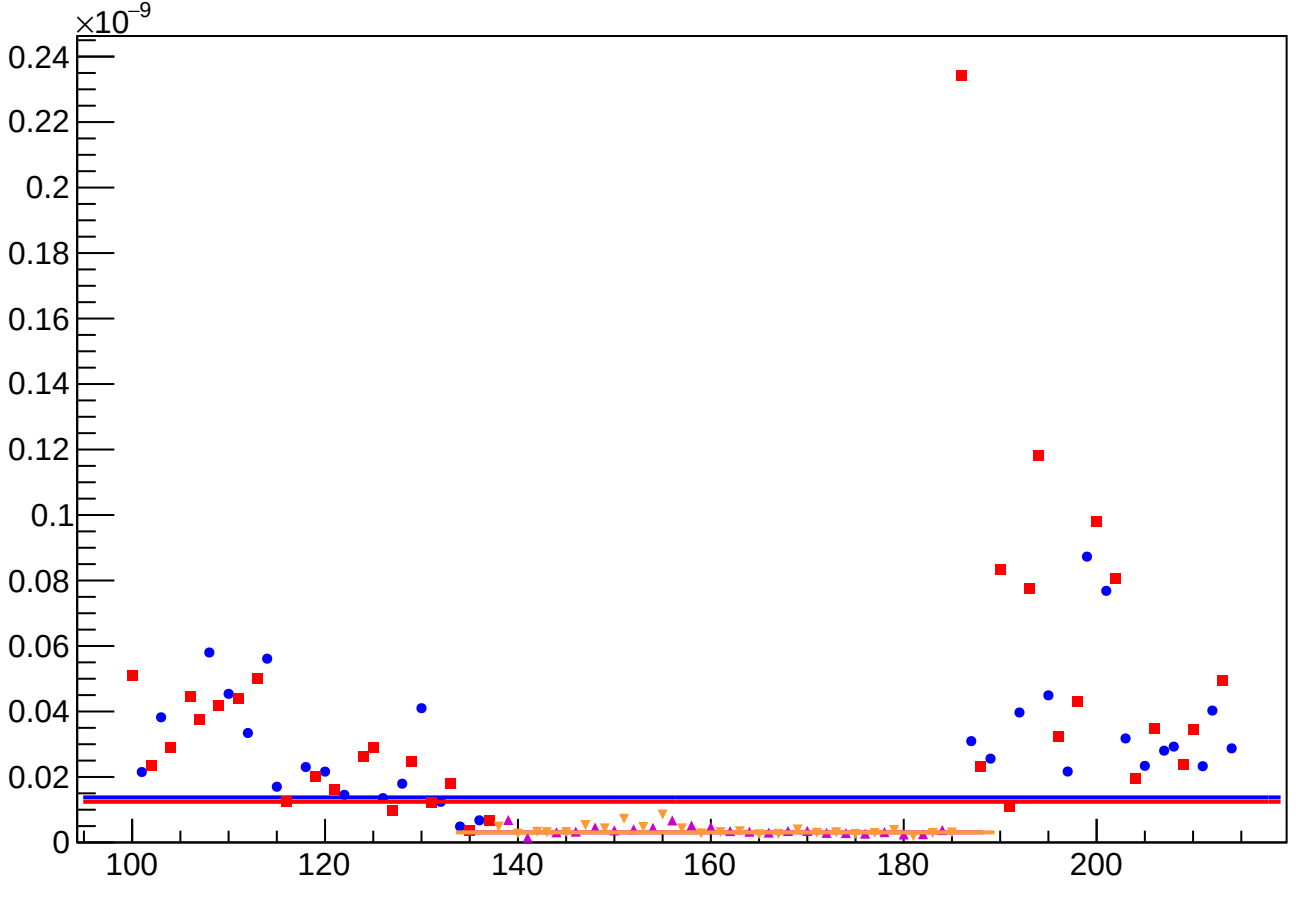
Right: 0.000+/-0.000 χ^2/NDF: 67.3/63

In: 0.000+/-0.000 χ^2/NDF:42.2/52

Out: 0.000+/-0.000 χ^2/NDF:79.2/58

All: 0.000+/-0.000 χ^2/NDF: 121.9/111

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

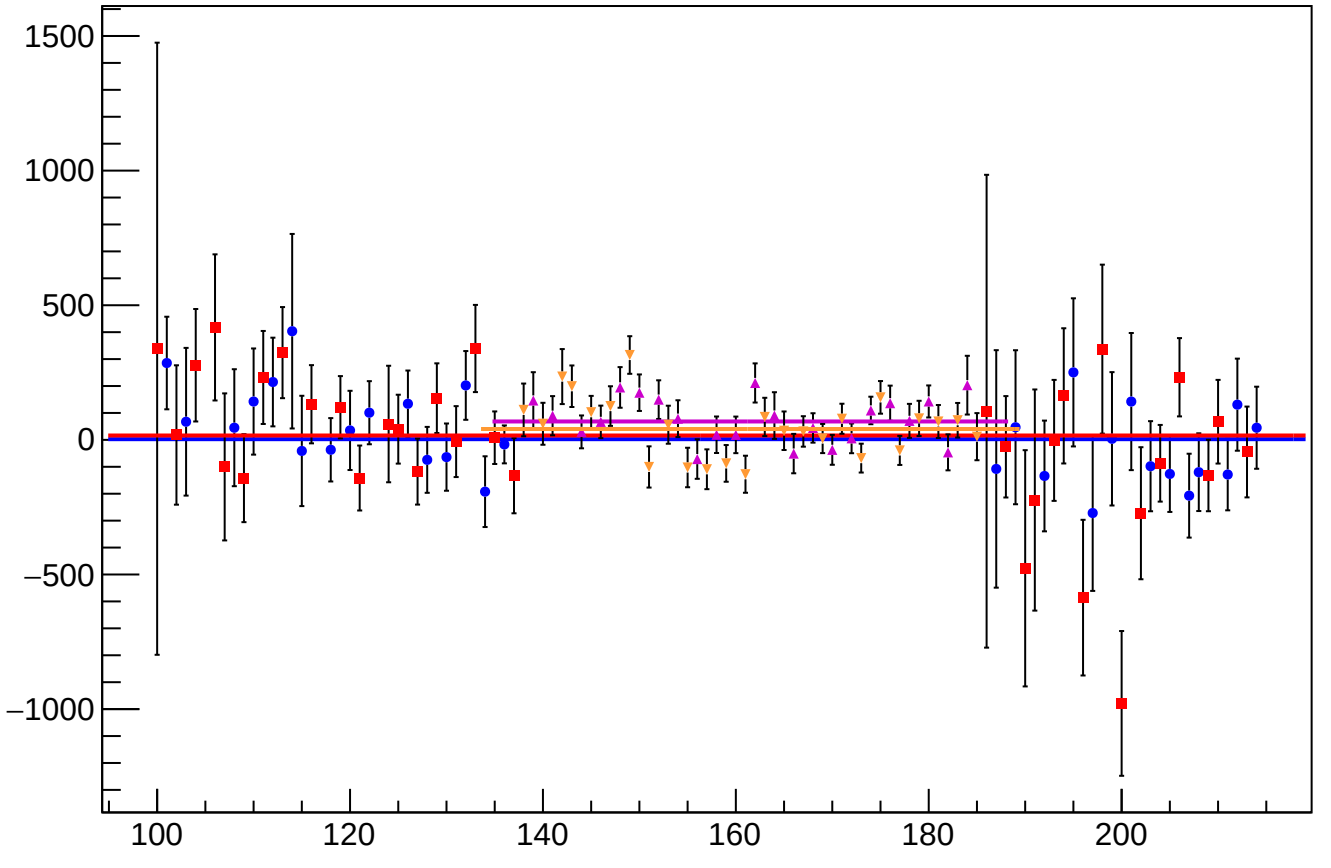
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 20736141.3/63

In: 0.000+/-0.000 χ^2/NDF:18273833.9/52

Out: 0.000+/-0.000 χ^2/NDF:19875051.5/58

All: 0.000+/-0.000 χ^2/NDF: 38152747.9/111



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

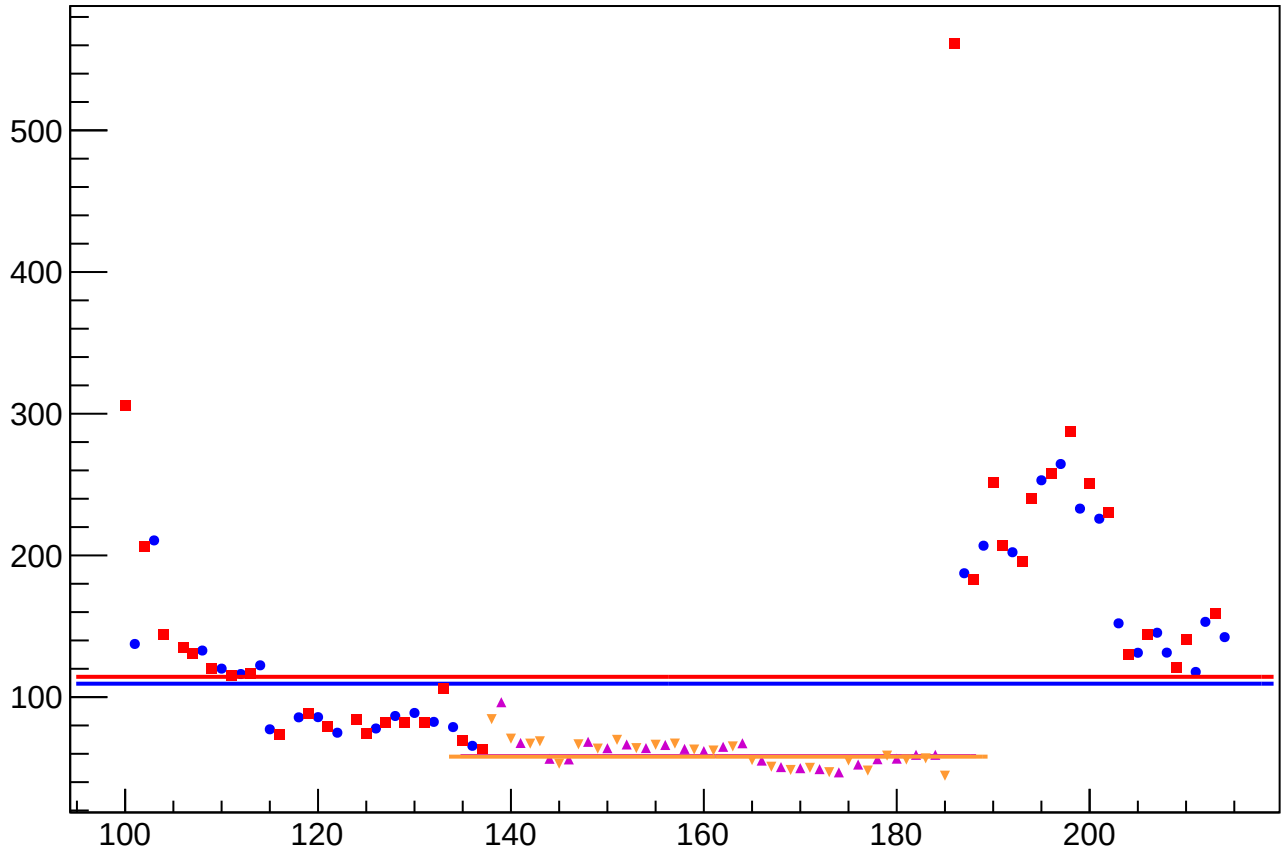
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 9.128+/-20.161 χ^2/NDF: 68.9/63

In: 55.368+/-12.424 χ^2/NDF:57.7/52

Out: 36.119+/-12.172 χ^2/NDF:107.3/58

All: 45.546+/-8.694 χ^2/NDF: 166.2/111



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

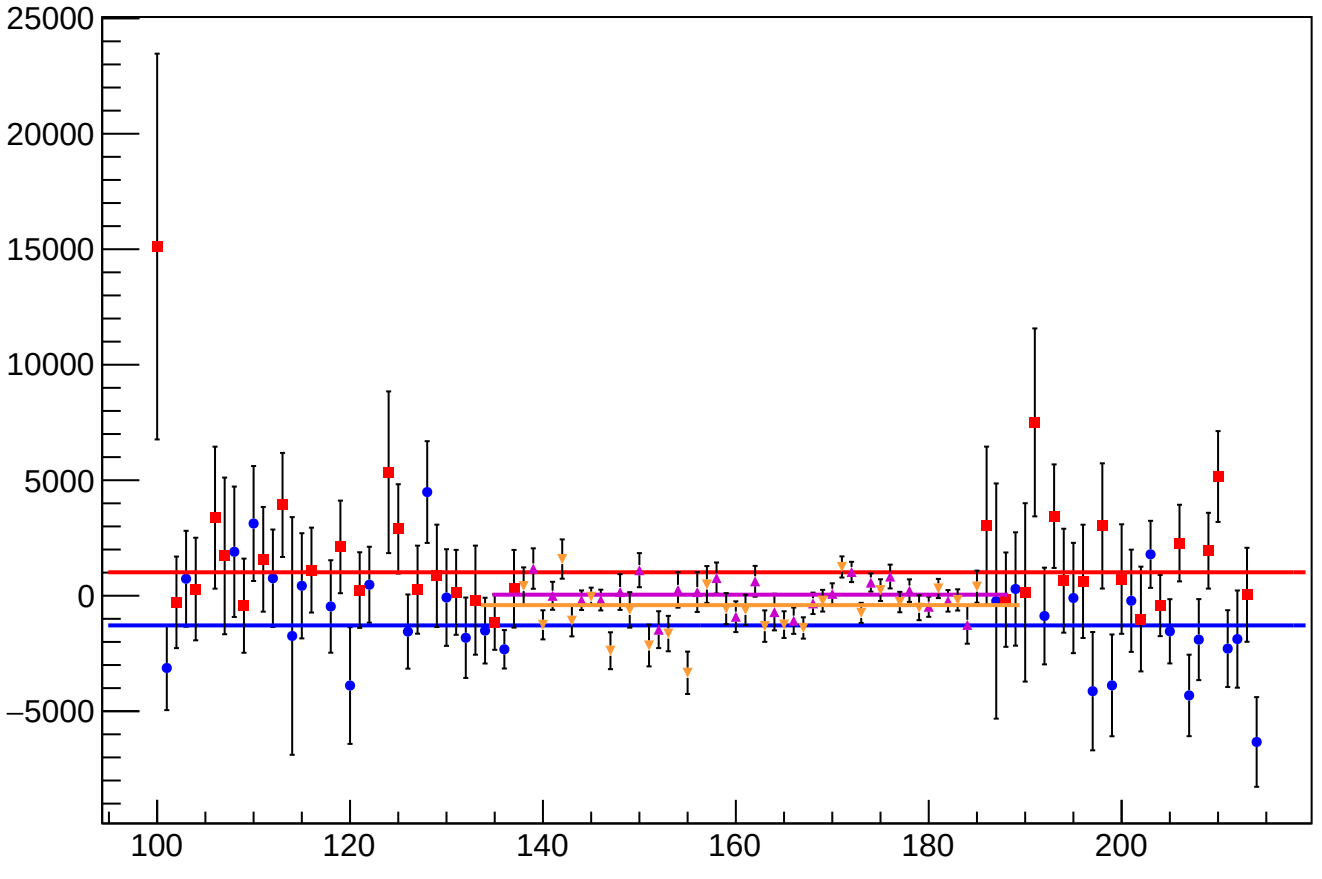
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 111.809+/-0.014 χ^2/NDF: 11602605.5/63

In: 68.473+/-0.009 χ^2/NDF:11332568.5/52

Out: 67.862+/-0.009 χ^2/NDF:13326986.1/58

All: 68.161+/-0.006 χ^2/NDF: 24662025.5/111



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

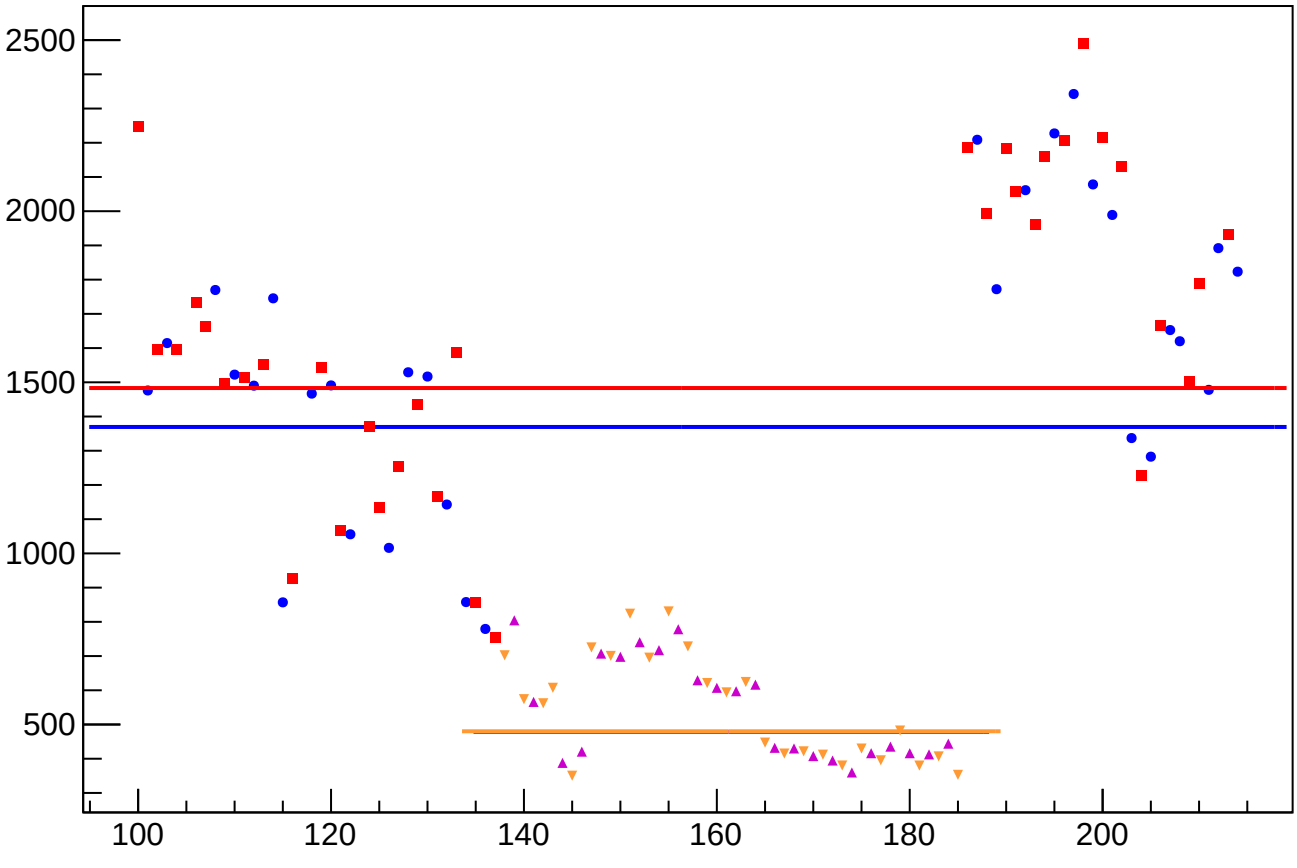
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -197.875+/-244.685 χ^2/NDF: 85.5/63

In: -95.568+/-109.484 χ^2/NDF:82.6/52

Out: -275.182+/-108.106 χ^2/NDF:103.6/58

All: -186.513+/-76.925 χ^2/NDF: 187.6/111



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

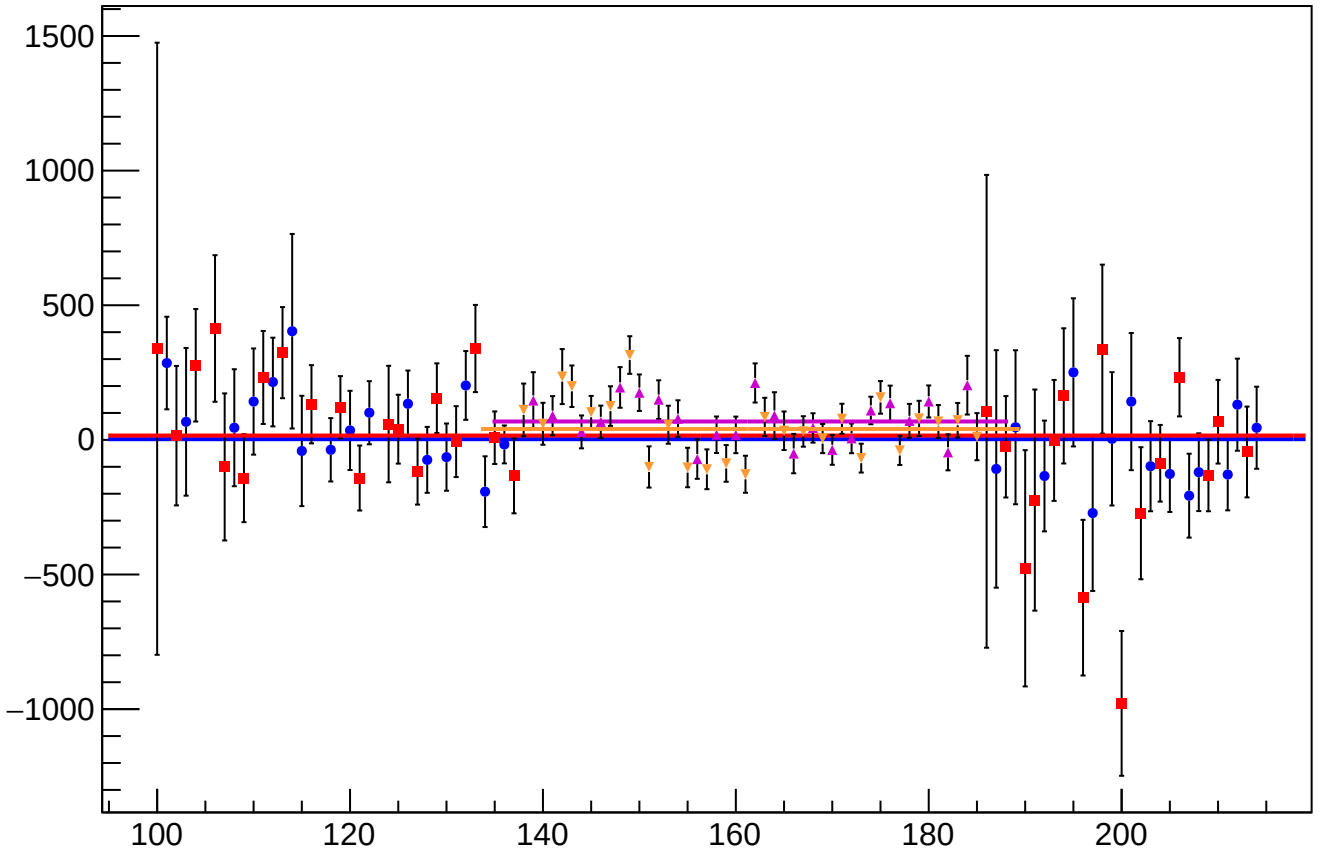
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1423.266+/-0.173 χ^2/NDF: 6468471.6/63

In: 572.186+/-0.077 χ^2/NDF:18014327.9/52

Out: 572.723+/-0.076 χ^2/NDF:20085563.2/58

All: 572.458+/-0.054 χ^2/NDF: 38099915.5/1



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

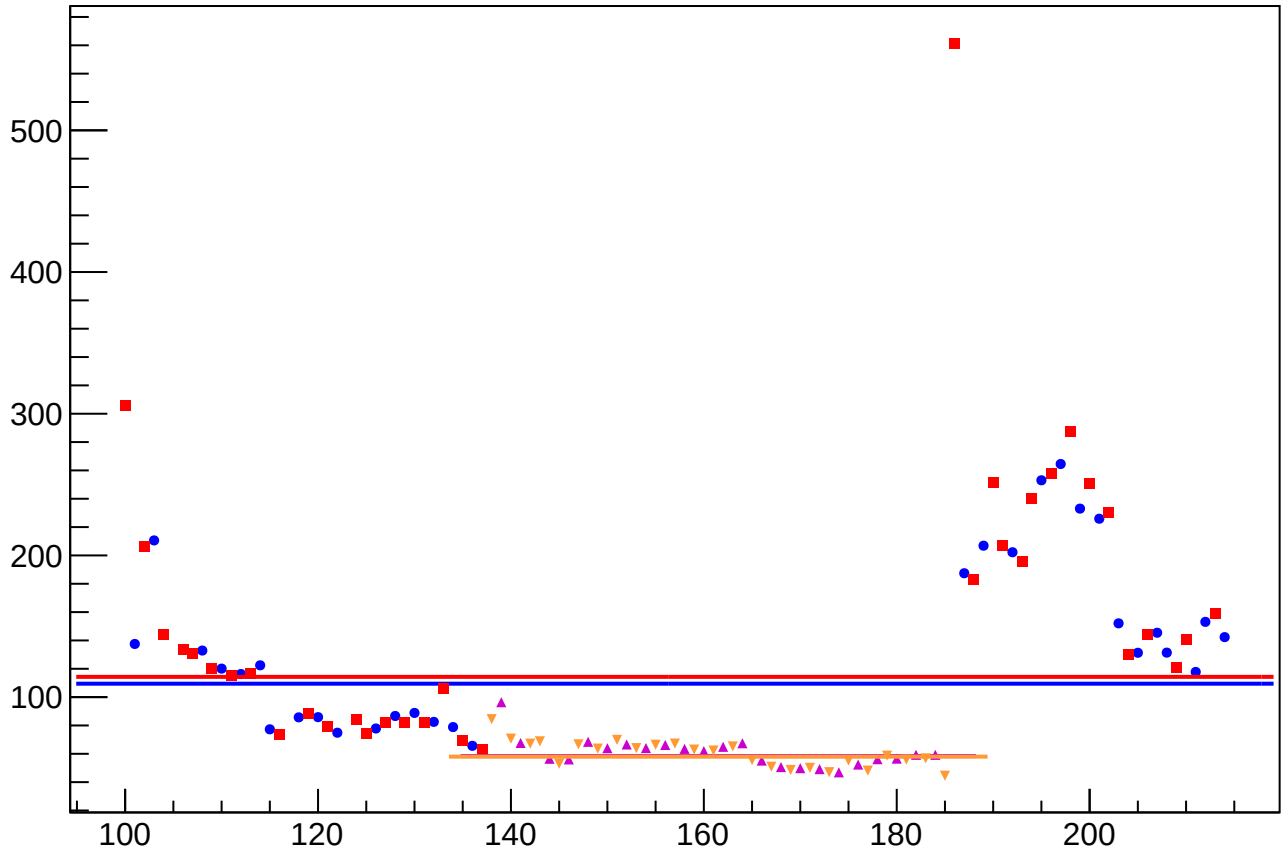
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 9.073+/-20.161 χ^2/NDF: 68.9/63

In: 55.365+/-12.424 χ^2/NDF:57.7/52

Out: 36.103+/-12.172 χ^2/NDF:107.2/58

All: 45.537+/-8.694 χ^2/NDF: 166.2/111



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

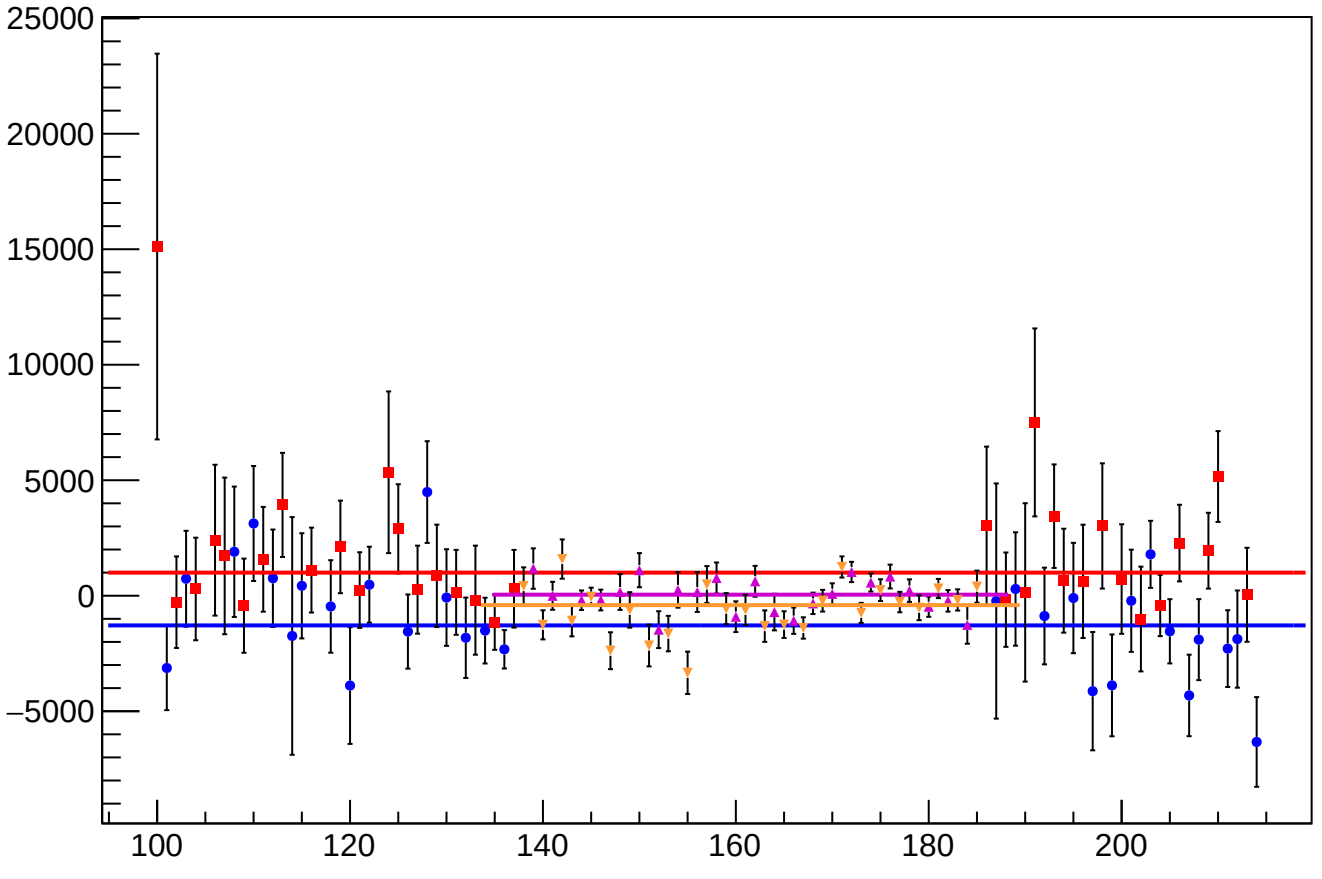
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 111.798+/-0.014 χ^2/NDF: 11600465.8/63

In: 68.473+/-0.009 χ^2/NDF:11332570.9/52

Out: 67.857+/-0.009 χ^2/NDF:13319472.2/58

All: 68.159+/-0.006 χ^2/NDF: 24654553.3/111



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

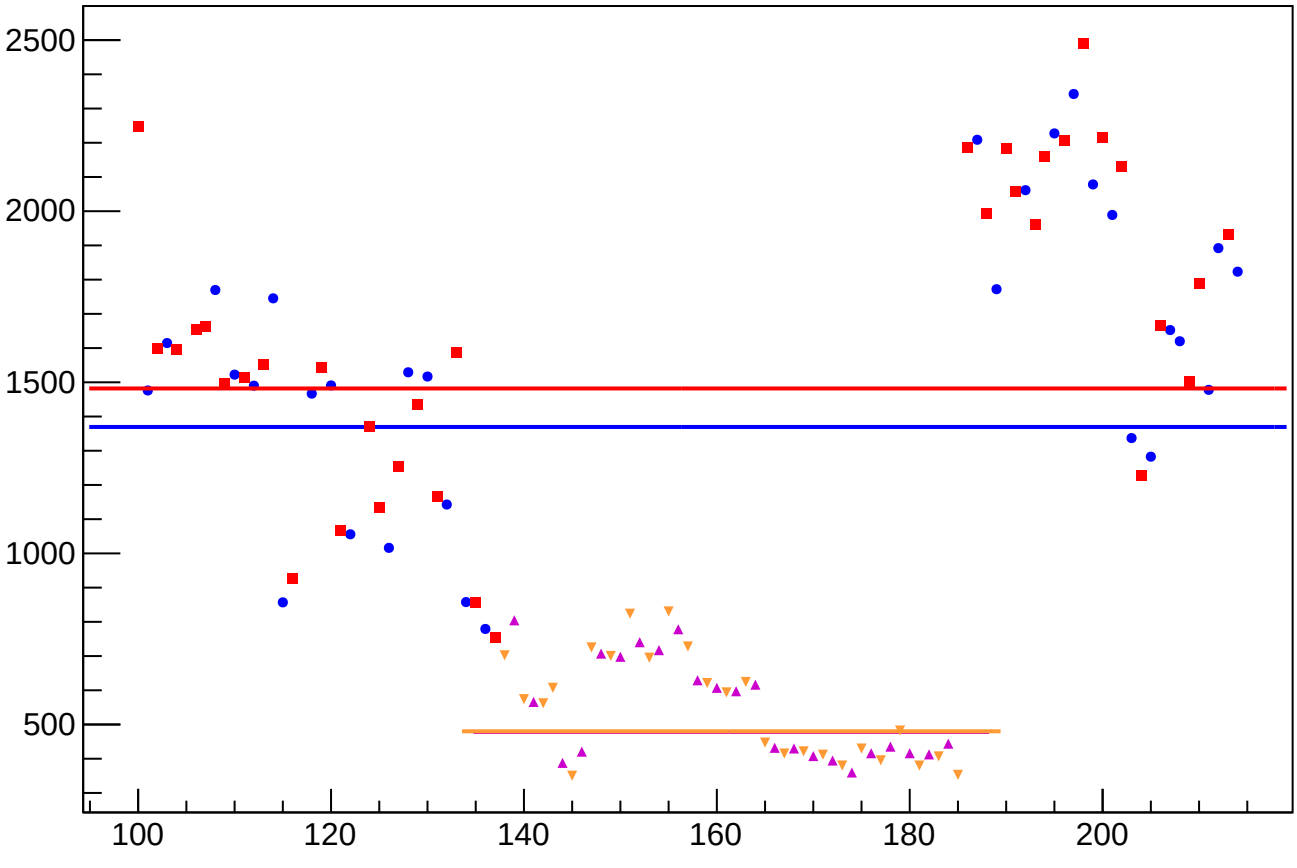
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -205.824+/-244.776 χ^2/NDF: 84.8/63

In: -95.567+/-109.484 χ^2/NDF:82.6/52

Out: -276.744+/-108.114 χ^2/NDF:102.9/58

All: -187.297+/-76.928 χ^2/NDF: 186.8/111



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

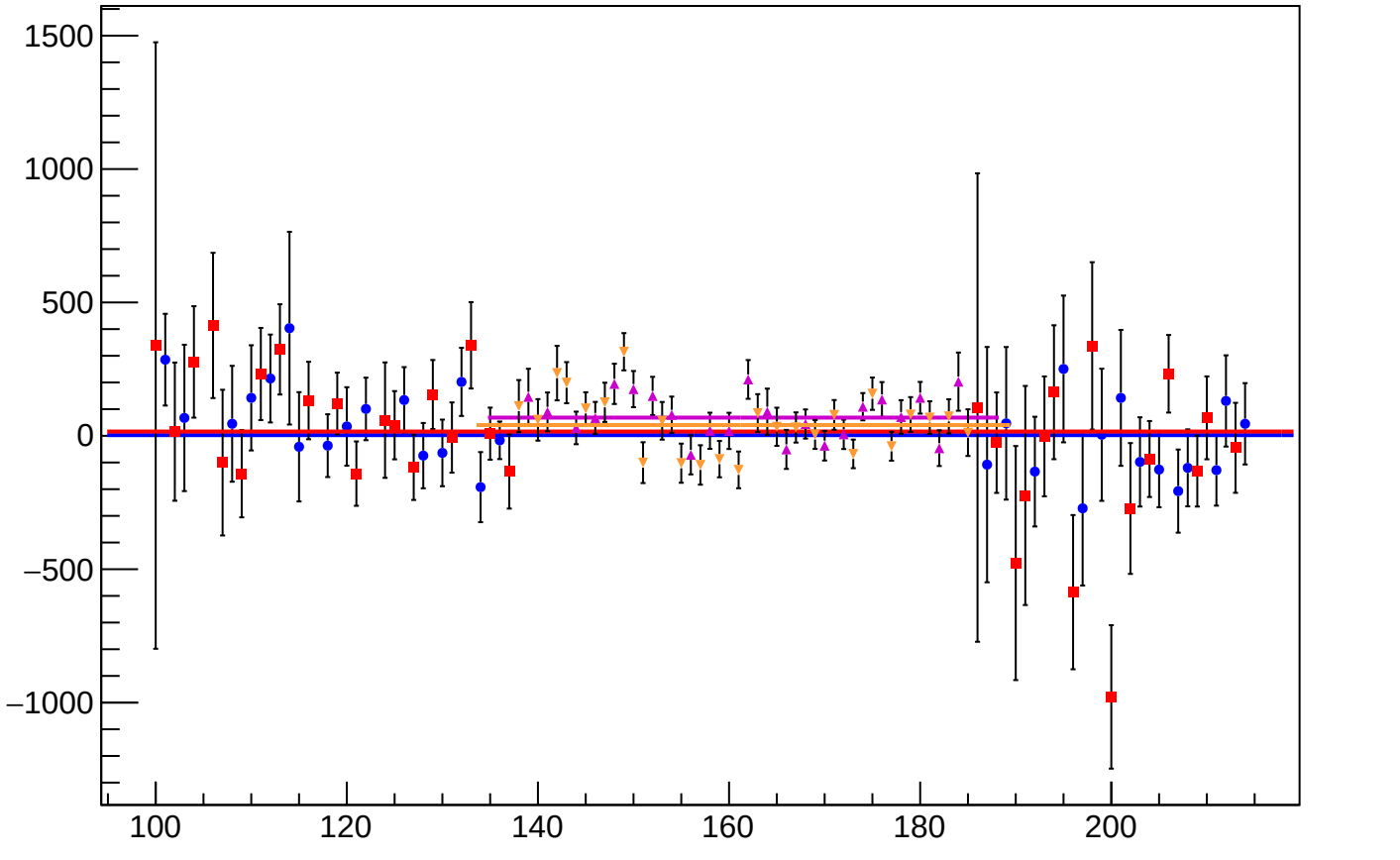
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

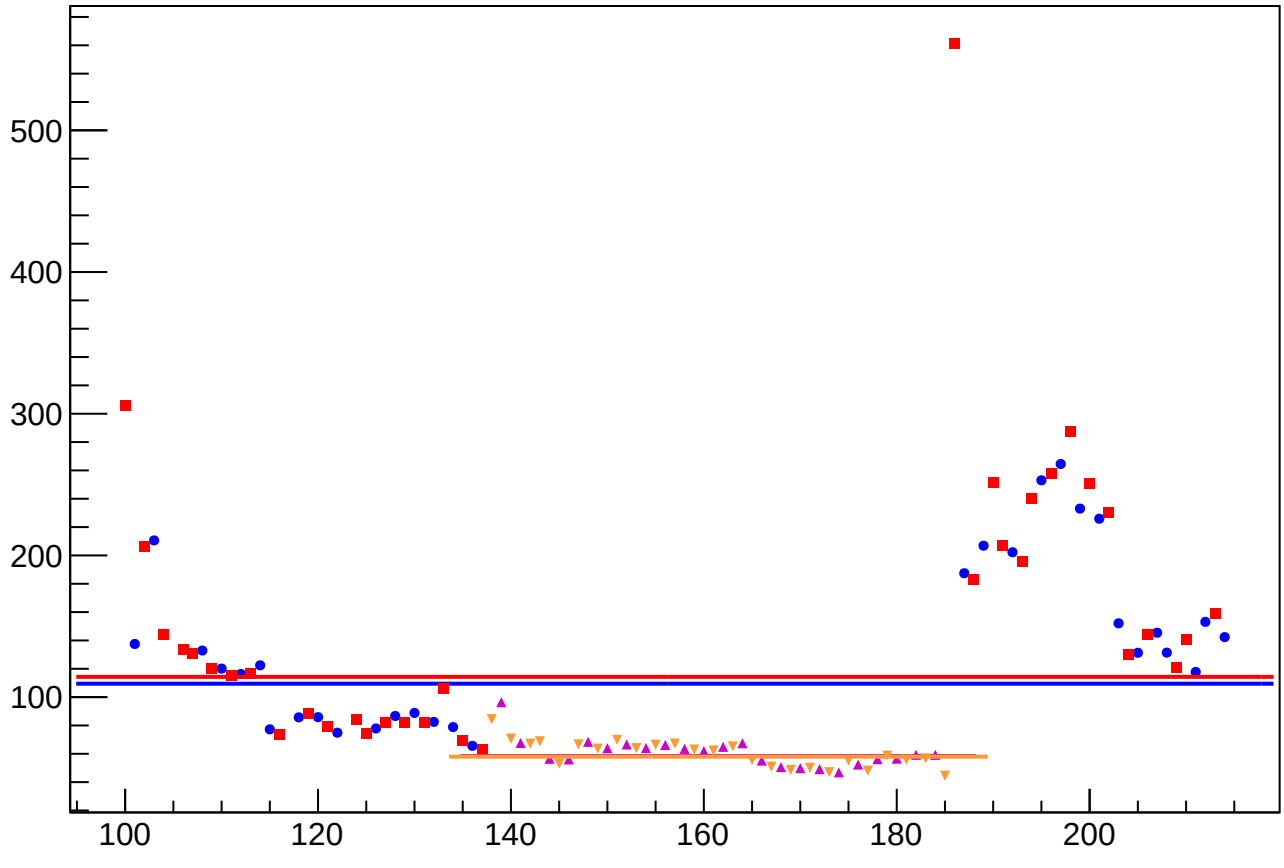
Right: 1422.619+/-0.173 χ^2/NDF: 6458407.5/63

In: 572.186+/-0.077 χ^2/NDF:18014355.0/52

Out: 572.473+/-0.076 χ^2/NDF:20020679.4/58

All: 572.331+/-0.054 χ^2/NDF: 38035041.4/11


eigen_cor_asym_sam_3726_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 2.551+/-27.972 χ²/NDF: 21.5/29
Left Out: 40.344+/-13.402 χ²/NDF:59.4/24
Right Out: 16.126+/-29.086 χ²/NDF: 47.2/33
Left In: 68.343+/-13.866 χ²/NDF:31.7/22
Left: 53.867+/-9.637 χ²/NDF: 93.3/47
Right: 9.073+/-20.161 χ²/NDF: 68.9/63
In: 55.365+/-12.424 χ²/NDF:57.7/52
Out: 36.103+/-12.172 χ²/NDF:107.2/58
All: 45.537+/-8.694 χ²/NDF: 166.2/111



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

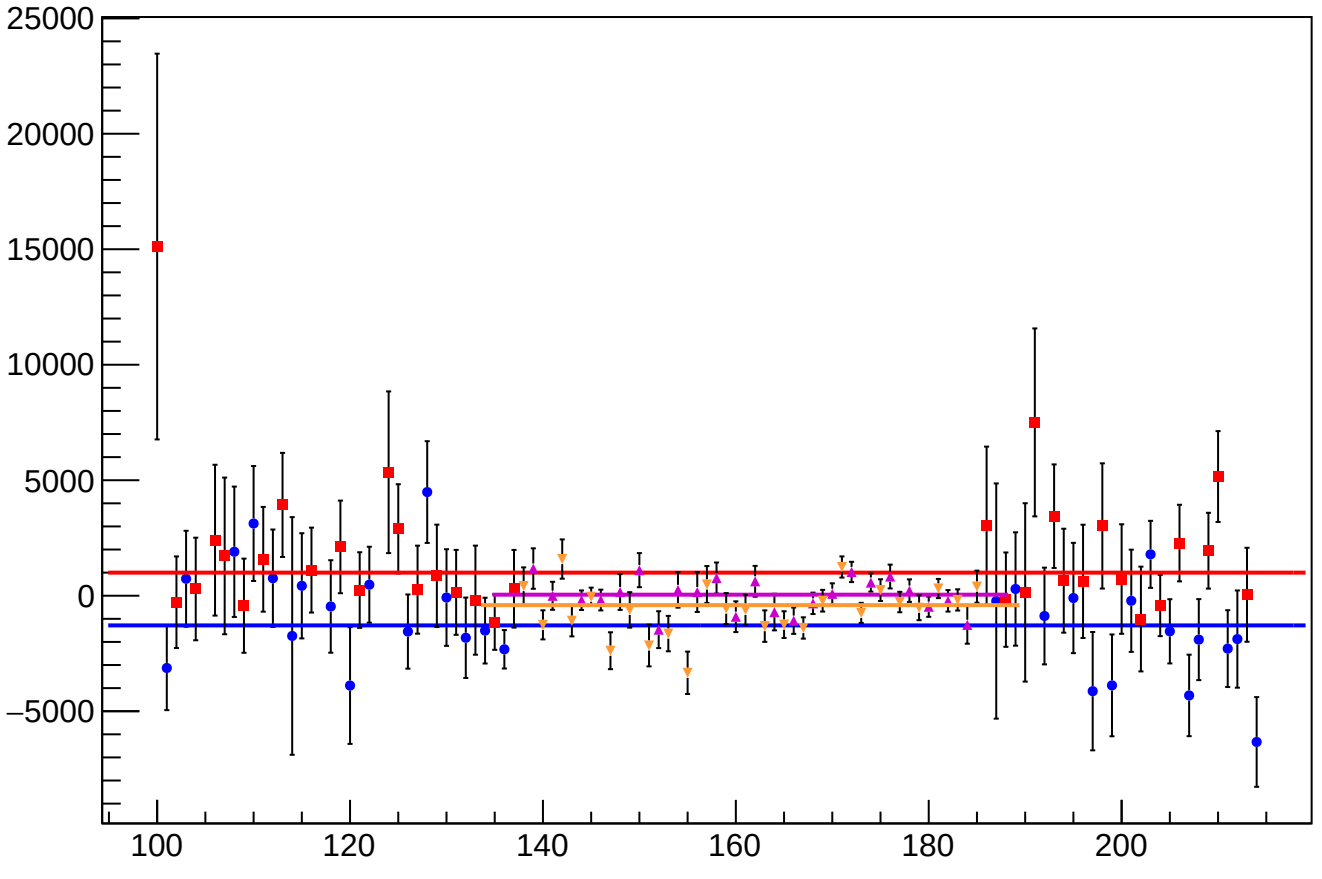
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 111.798+/-0.014 χ^2/NDF: 11600465.8/63

In: 68.473+/-0.009 χ^2/NDF:11332570.9/52

Out: 67.857+/-0.009 χ^2/NDF:13319472.2/58

All: 68.159+/-0.006 χ^2/NDF: 24654553.3/111



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

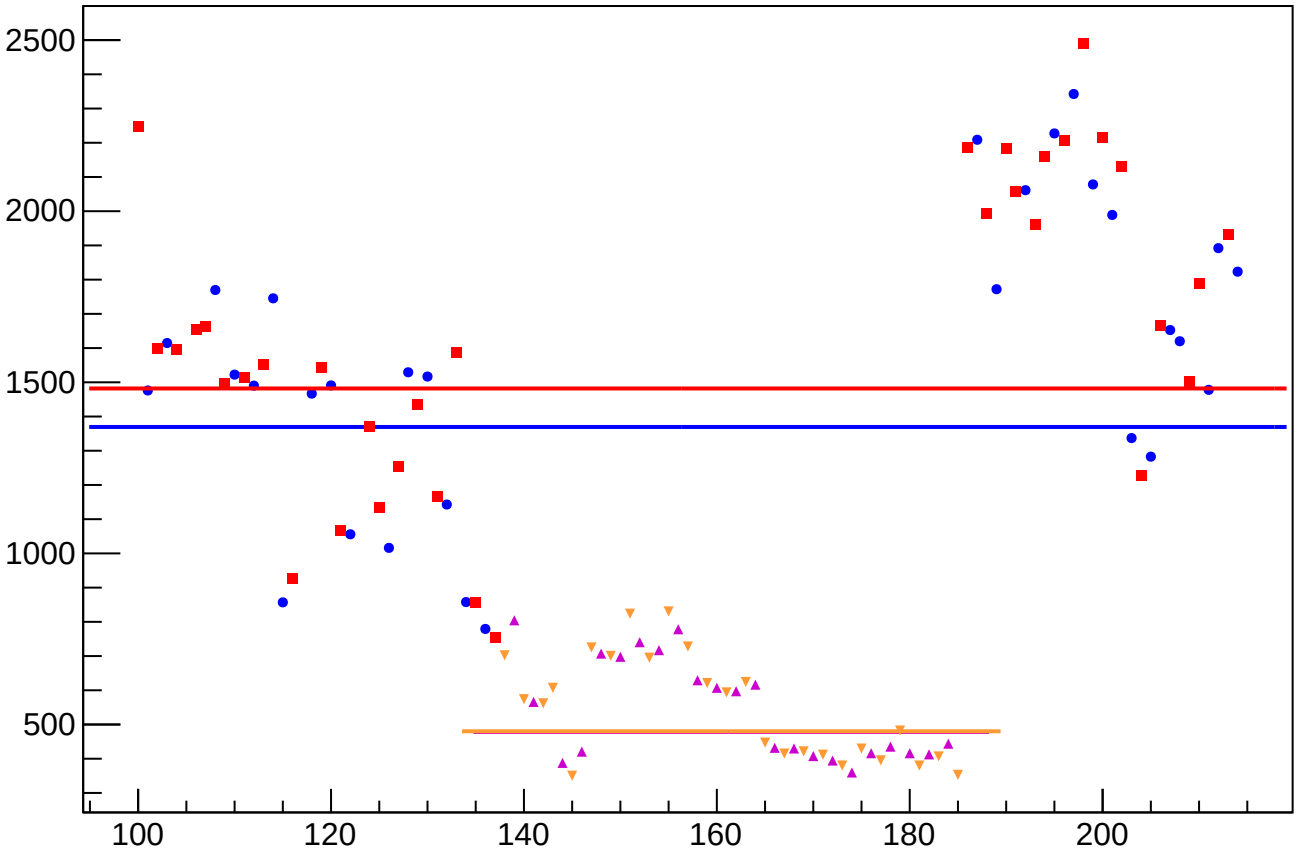
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

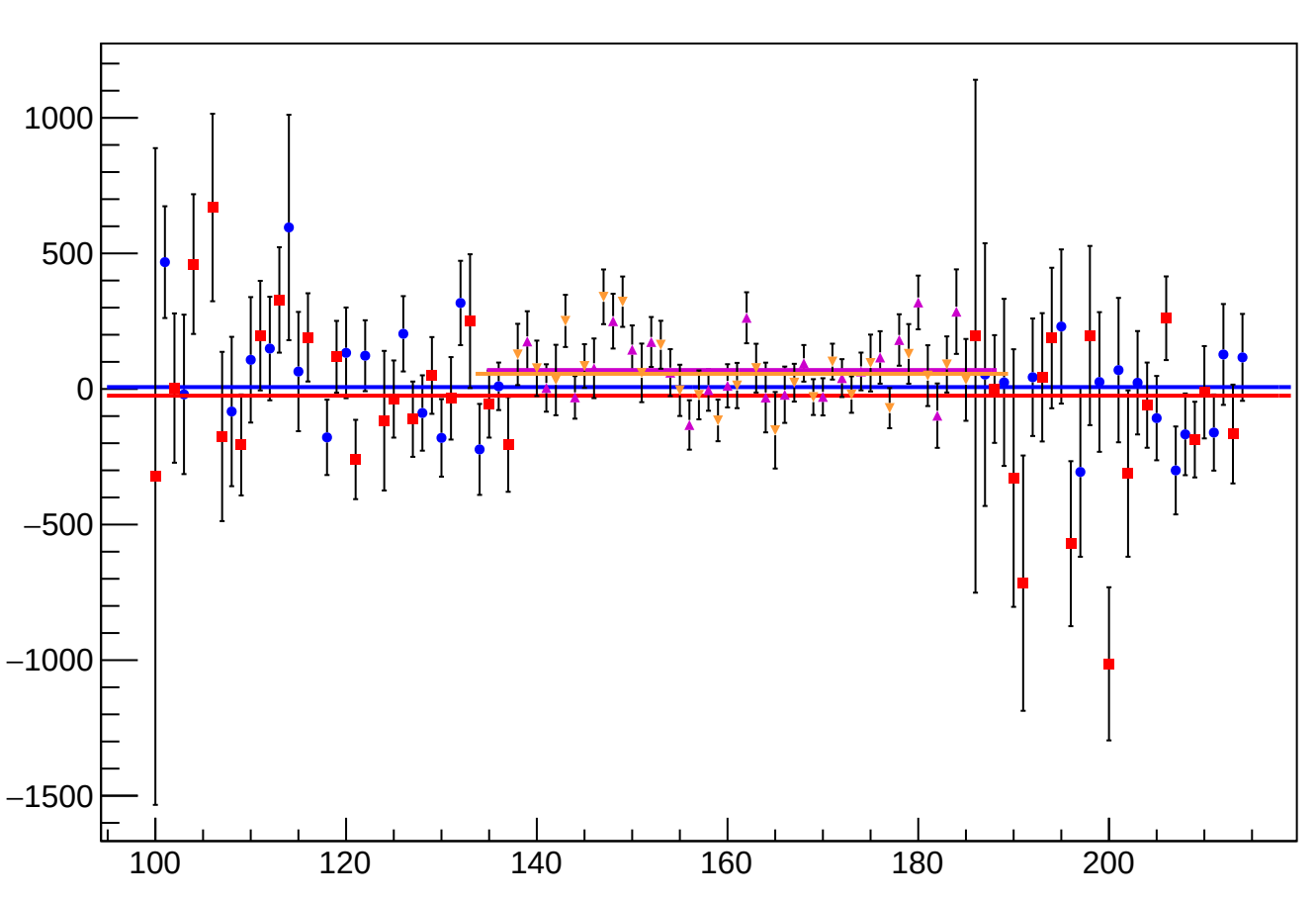
Right: -205.824+/-244.776 χ^2/NDF: 84.8/63

In: -95.567+/-109.484 χ^2/NDF:82.6/52

Out: -276.744+/-108.114 χ^2/NDF:102.9/58

All: -187.297+/-76.928 χ^2/NDF: 186.8/111


asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1369.485+/-0.238 χ²/NDF: 3280482.5/29
Left Out: 480.162+/-0.080 χ²/NDF:2582209.1/24
Right Out: 1481.977+/-0.252 χ²/NDF: 3072645.7/33
Left In: 478.084+/-0.082 χ²/NDF:2215518.9/22
Left: 479.144+/-0.057 χ²/NDF: 4798056.8/47
Right: 1422.619+/-0.173 χ²/NDF: 6458407.5/63
In: 572.186+/-0.077 χ²/NDF:18014355.0/52
Out: 572.473+/-0.076 χ²/NDF:20020679.4/58
All: 572.331+/-0.054 χ²/NDF: 38035041.4/11



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

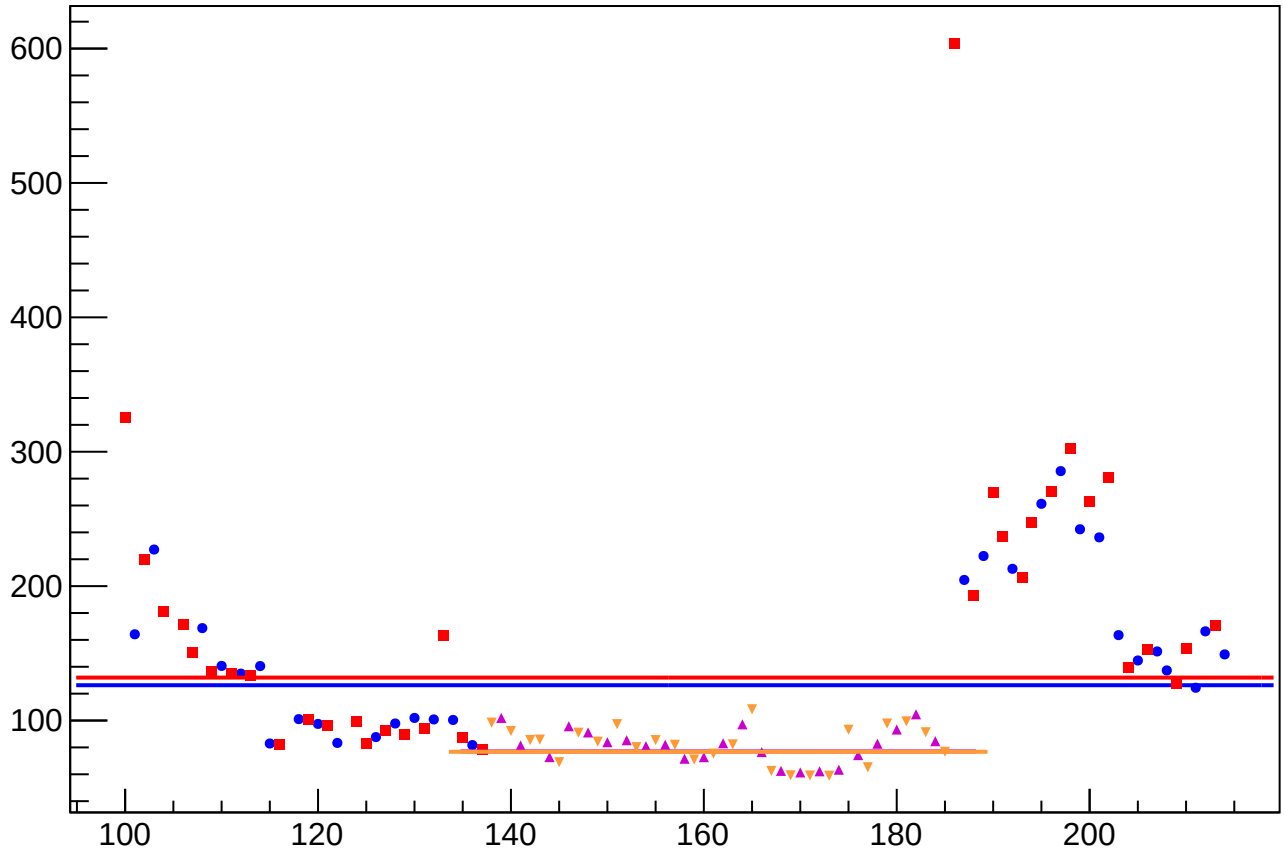
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -8.249+/-23.021 χ^2/NDF: 78.7/63

In: 54.006+/-15.999 χ^2/NDF:68.1/52

Out: 37.746+/-15.798 χ^2/NDF:90.5/58

All: 45.773+/-11.241 χ^2/NDF: 159.1/111



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

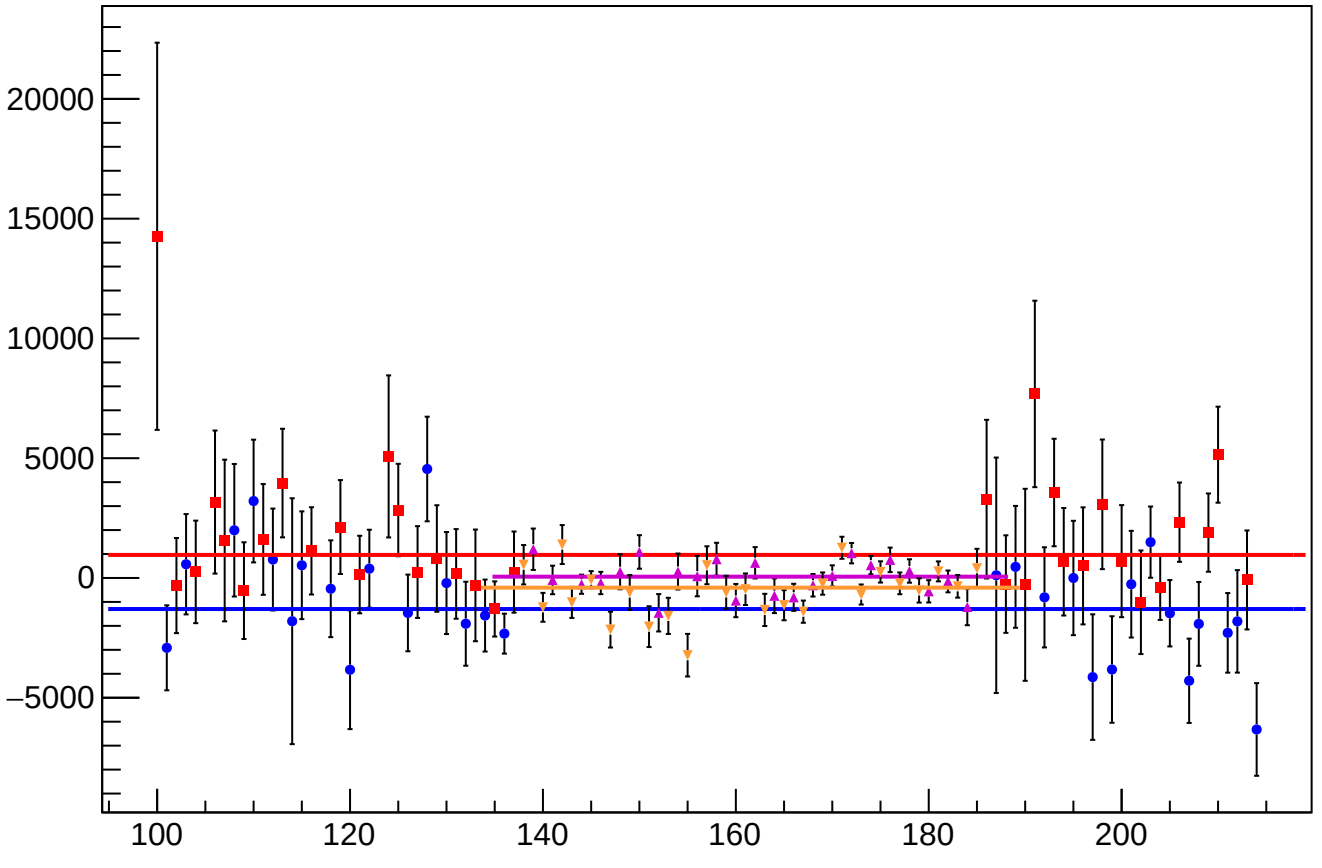
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 128.990+/-0.016 χ^2/NDF: 9870298.5/63

In: 89.424+/-0.011 χ^2/NDF:8710348.9/52

Out: 89.184+/-0.011 χ^2/NDF:11058759.6/58

All: 89.303+/-0.008 χ^2/NDF: 19769335.4/111



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

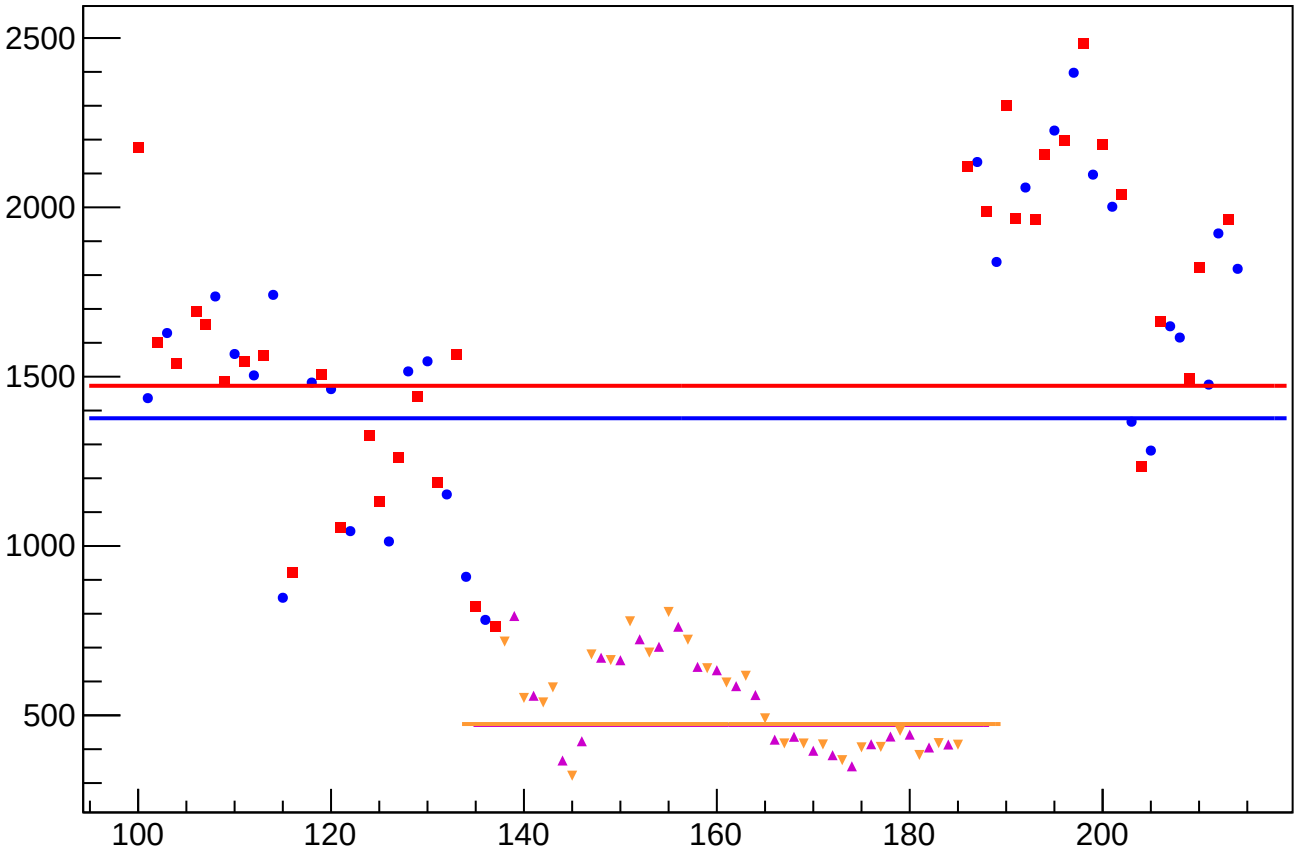
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -216.146+/-244.564 χ^2/NDF: 85.1/63

In: -83.845+/-108.231 χ^2/NDF:81.5/52

Out: -279.305+/-106.576 χ^2/NDF:101.6/58

All: -183.080+/-75.939 χ^2/NDF: 184.7/111



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

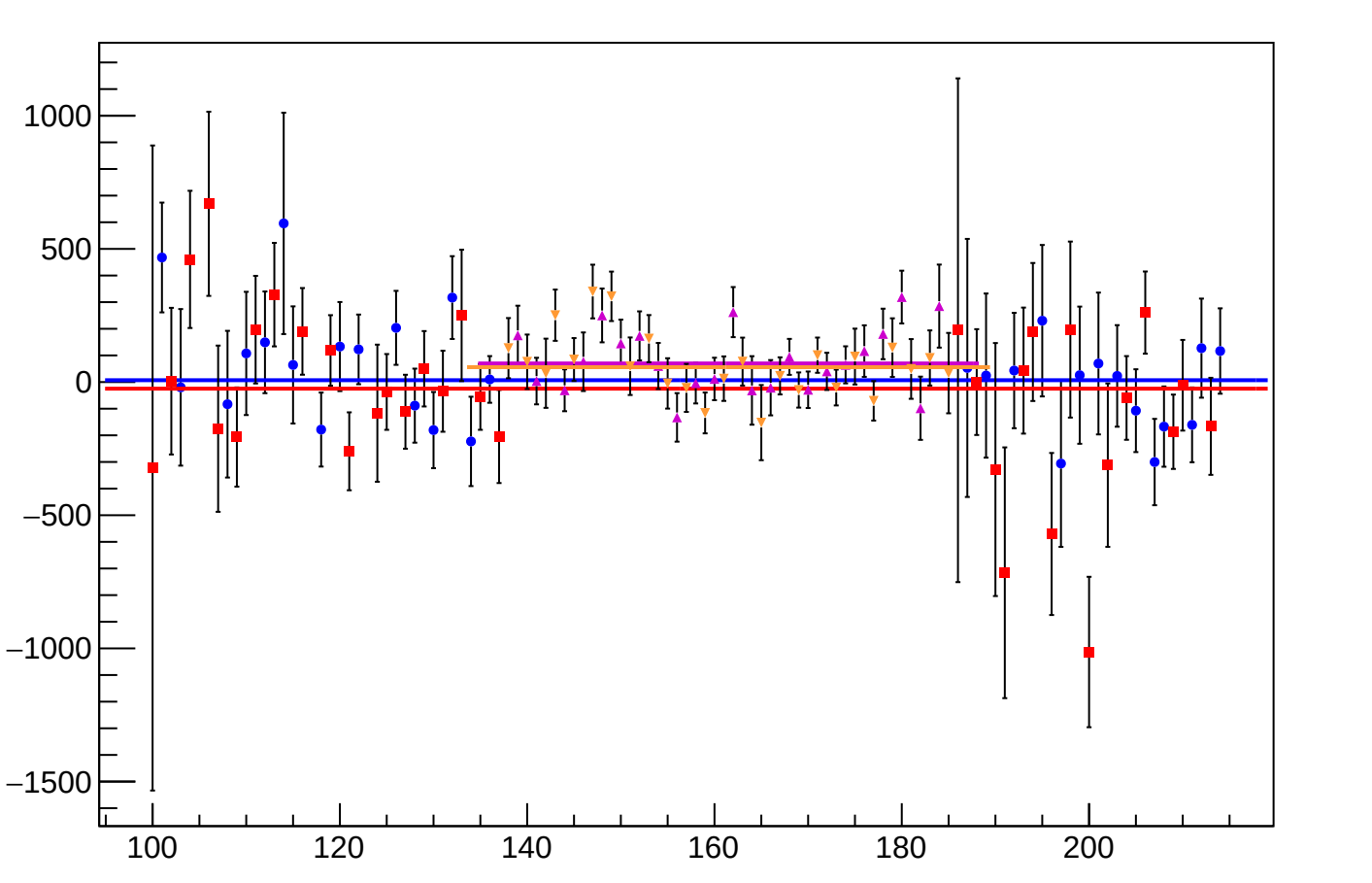
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1423.064+/-0.173 χ^2/NDF: 6470290.6/63

In: 564.005+/-0.077 χ^2/NDF:18313324.2/52

Out: 565.010+/-0.075 χ^2/NDF:20183498.6/58

All: 564.515+/-0.054 χ^2/NDF: 38496910.3/11



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

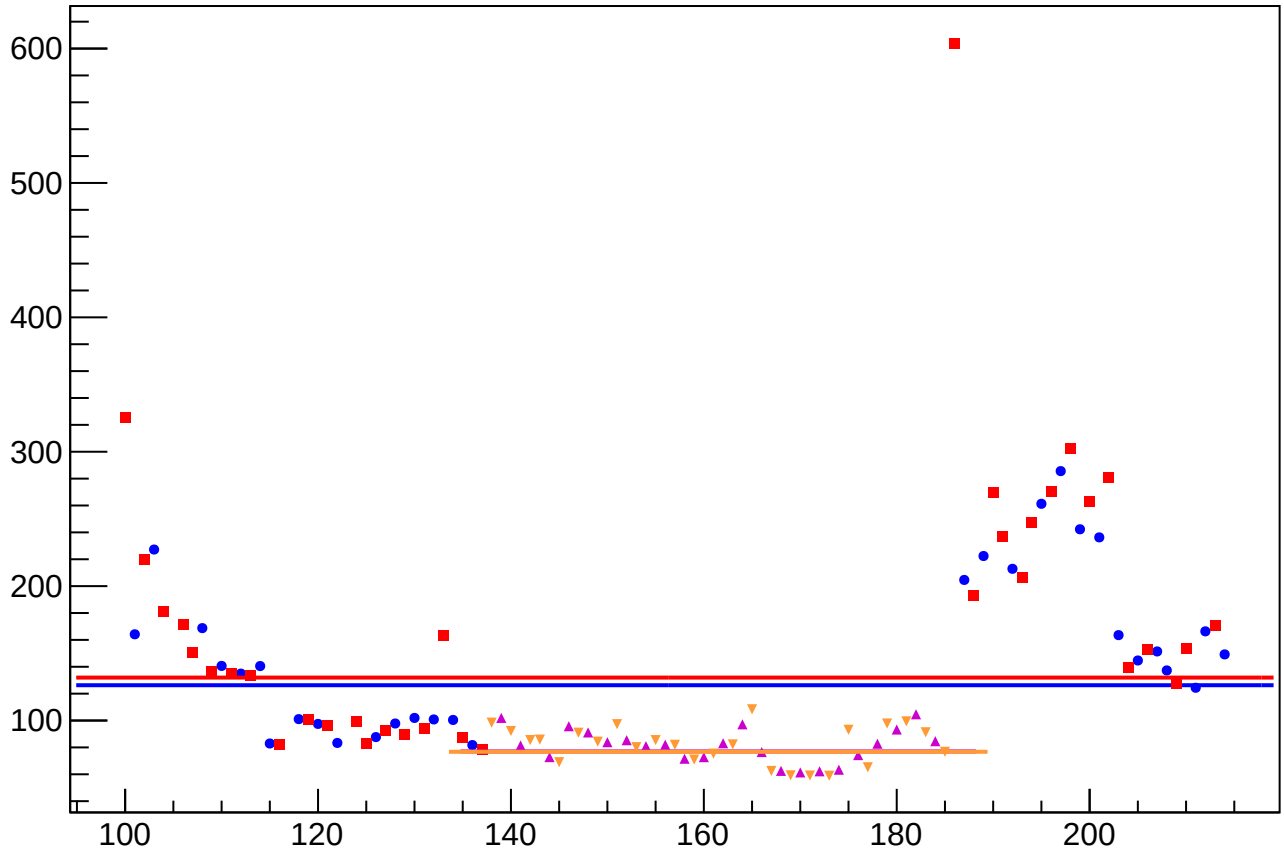
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -8.249+/-23.021 χ^2/NDF: 78.7/63

In: 54.006+/-15.999 χ^2/NDF:68.1/52

Out: 37.745+/-15.798 χ^2/NDF:90.5/58

All: 45.773+/-11.241 χ^2/NDF: 159.1/111



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

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

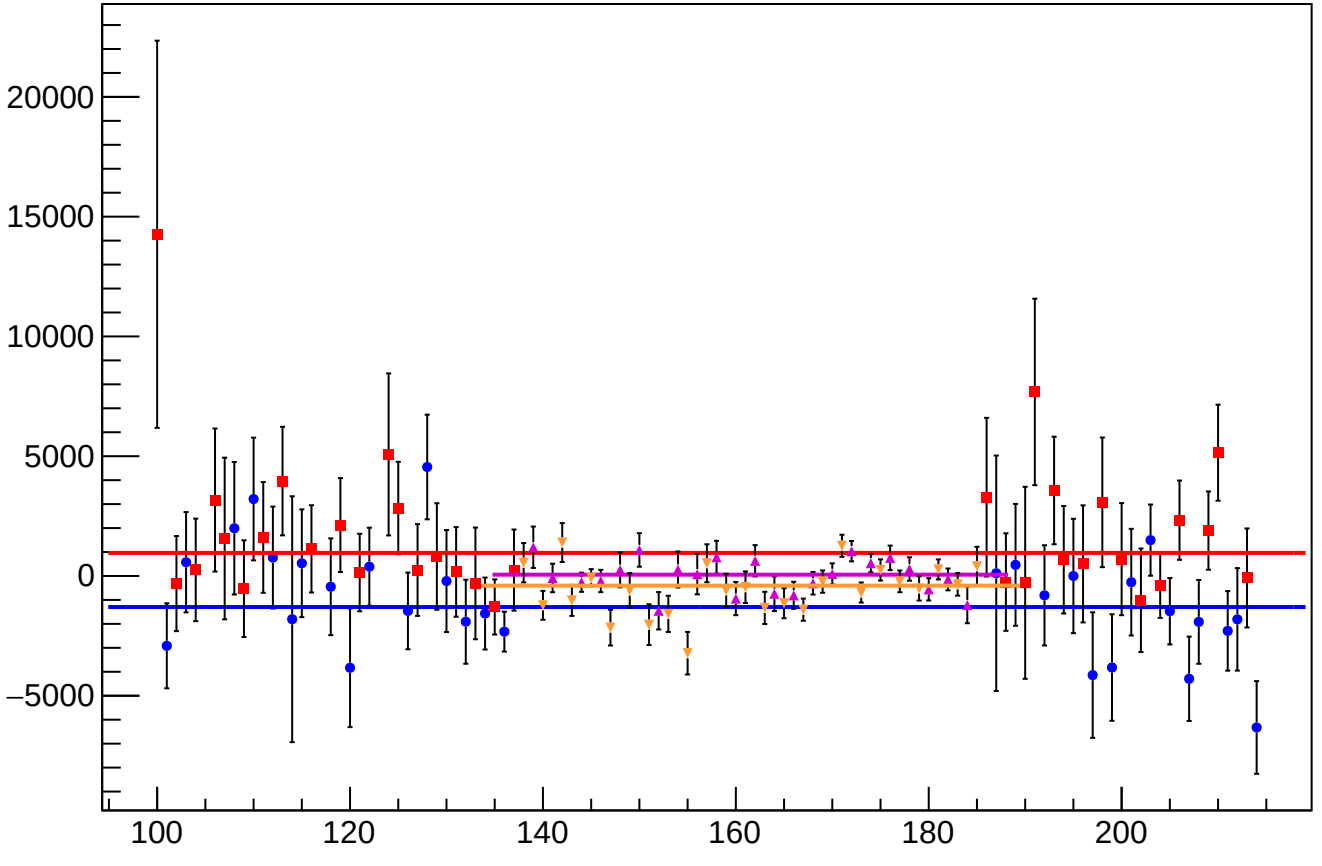
Right: 128.990+/-0.016 χ^2/NDF: 9870322.4/63

In: 89.424+/-0.011 χ^2/NDF:8710280.2/52

Out: 89.185+/-0.011 χ^2/NDF:11058711.8/58

All: 89.303+/-0.008 χ^2/NDF: 19769218.9/111

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

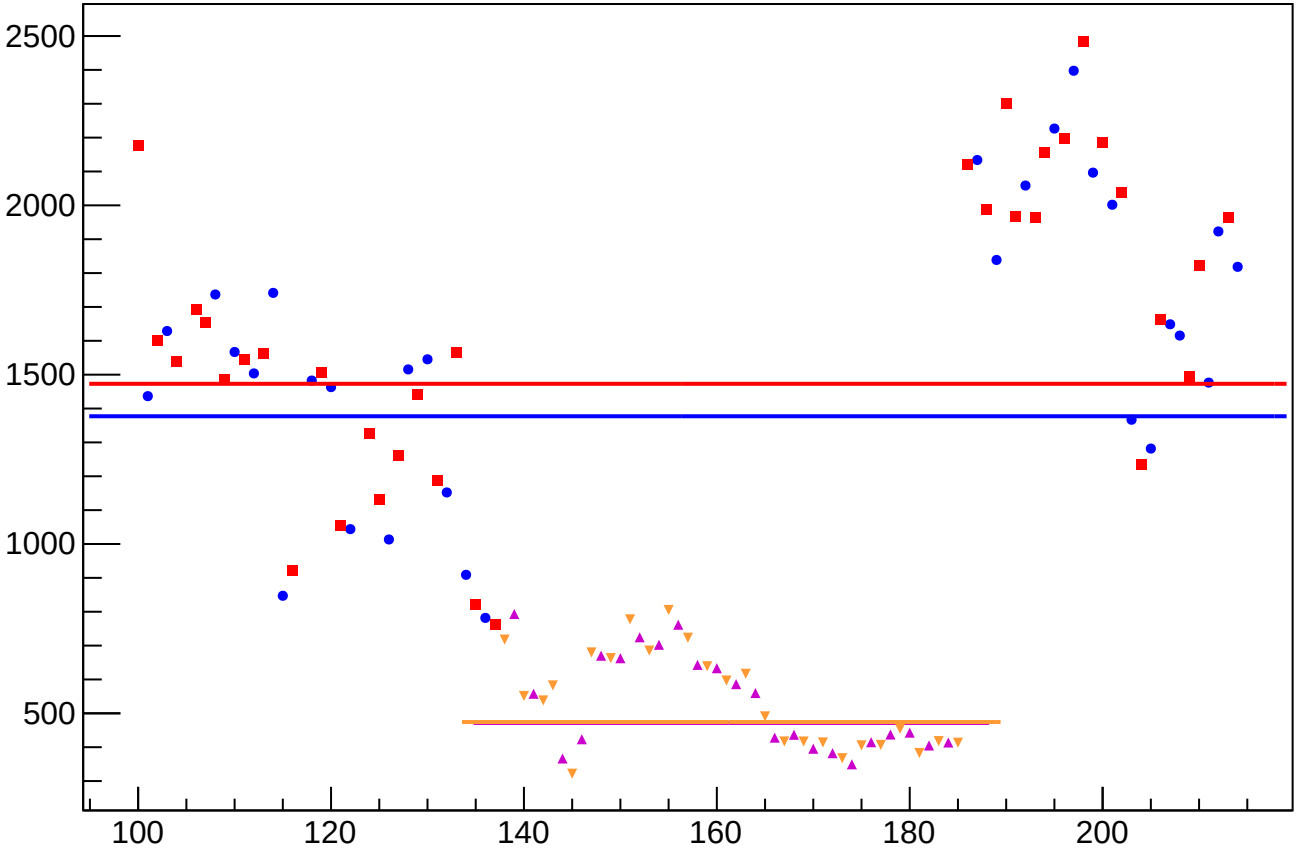
Right: -216.144+/-244.563 χ^2/NDF: 85.1/63

In: -83.844+/-108.230 χ^2/NDF:81.5/52

Out: -279.304+/-106.576 χ^2/NDF:101.6/58

All: -183.080+/-75.939 χ^2/NDF: 184.7/111

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

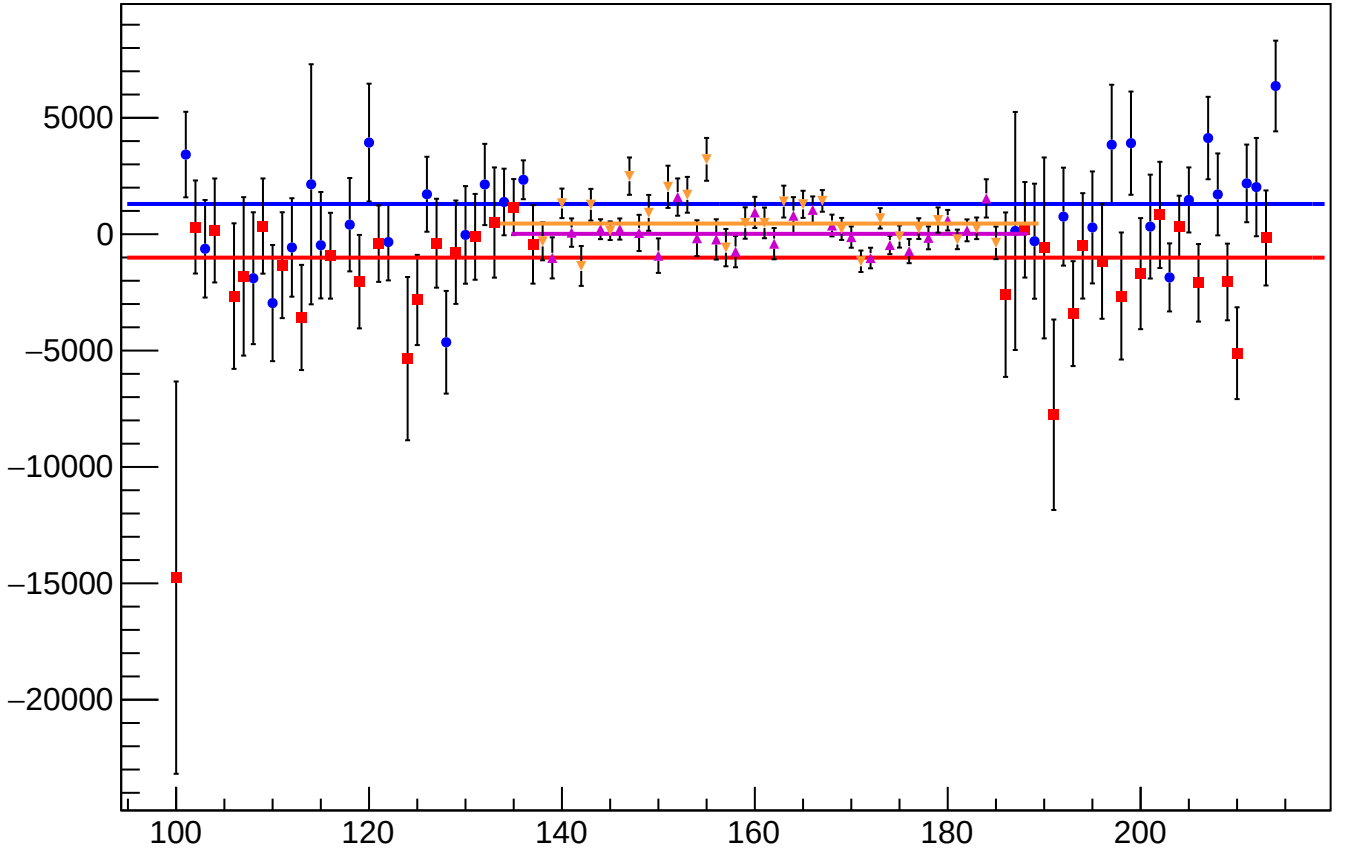
Right: 1423.063+/-0.173 χ^2/NDF: 6470278.3/63

In: 564.005+/-0.077 χ^2/NDF:18313309.3/52

Out: 565.010+/-0.075 χ^2/NDF:20183497.3/58

All: 564.515+/-0.054 χ^2/NDF: 38496894.1/11

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

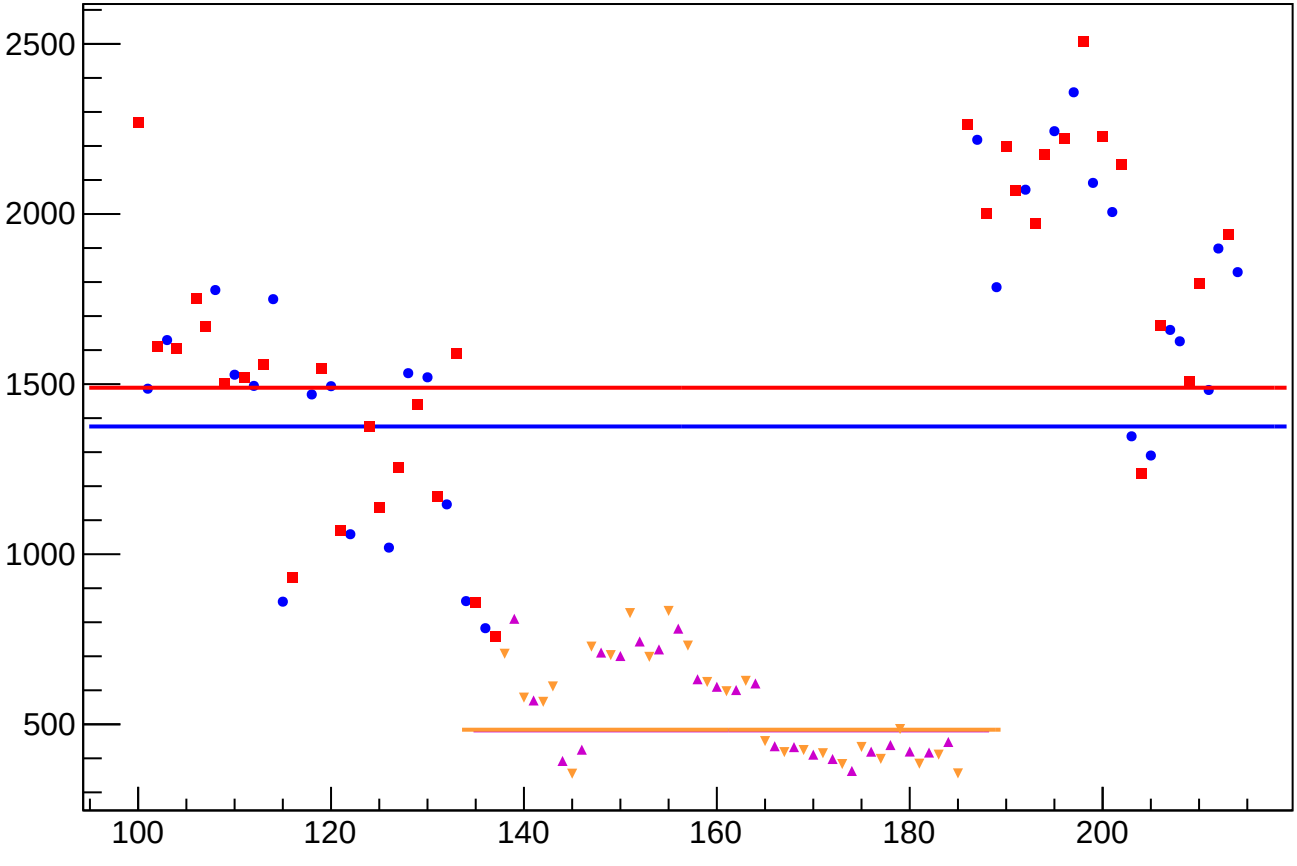
Right: 209.000+/-245.806 χ^2/NDF: 83.5/63

In: 151.461+/-110.328 χ^2/NDF:80.4/52

Out: 321.418+/-108.916 χ^2/NDF:98.9/58

All: 237.533+/-77.510 χ^2/NDF: 180.5/111

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

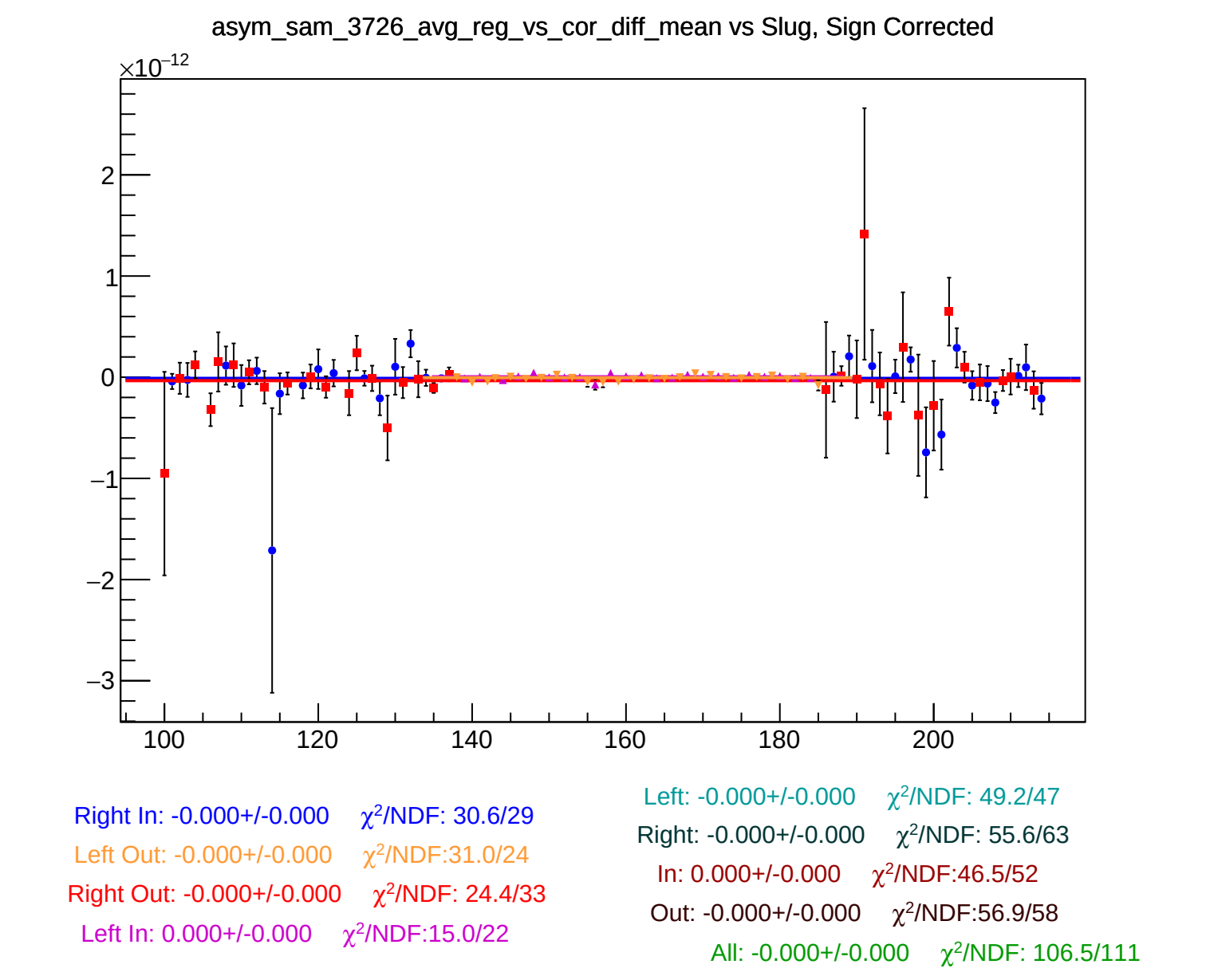
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

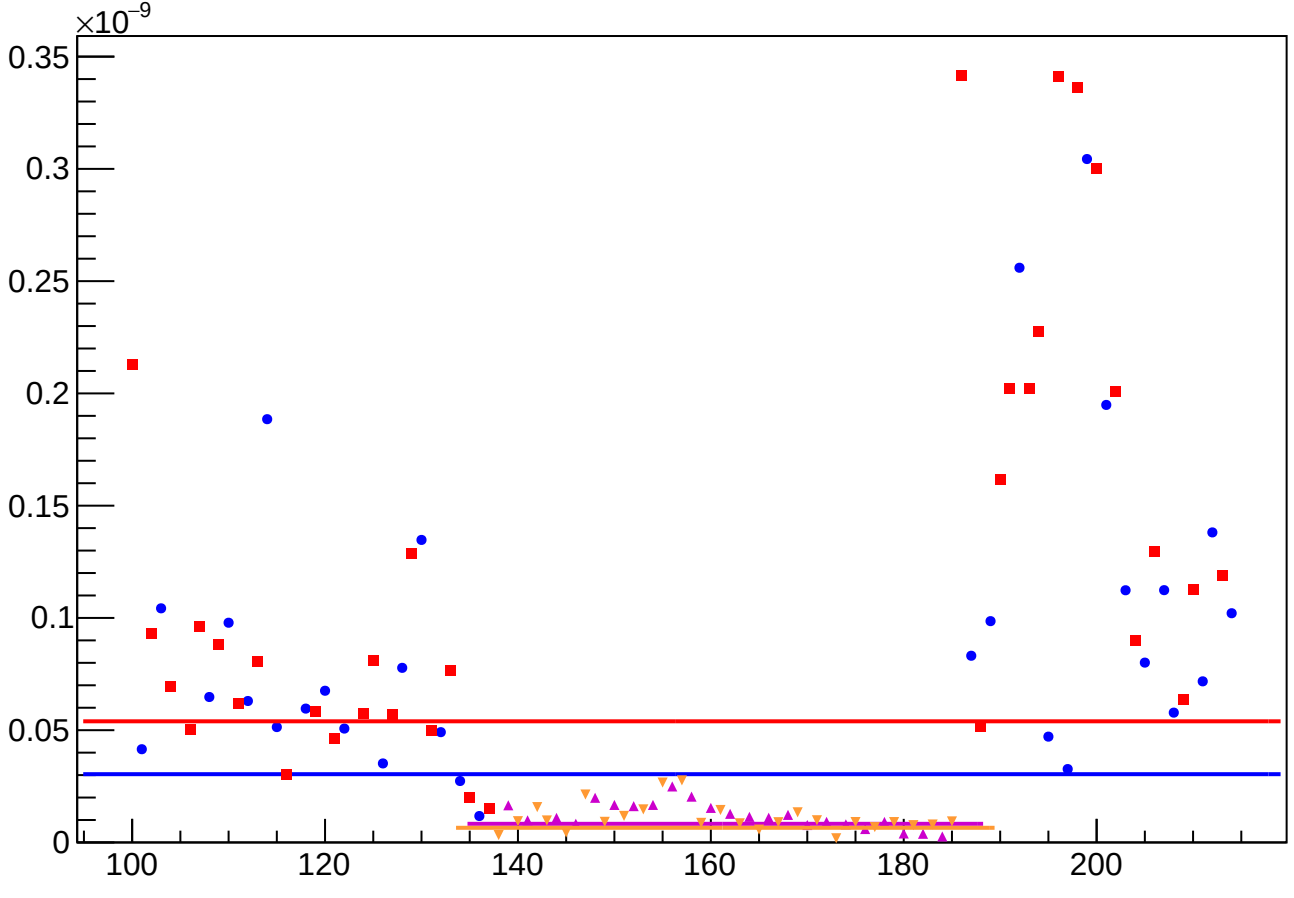
Right: 1429.322+/-0.174 χ^2/NDF: 6507032.9/63

In: 577.066+/-0.078 χ^2/NDF:17926905.9/52

Out: 577.415+/-0.077 χ^2/NDF:20001933.6/58

All: 577.242+/-0.055 χ^2/NDF: 37928849.6/11


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 30.6/29
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.4/33
Left In: 0.000+/-0.000 χ²/NDF:15.0/22
Left: -0.000+/-0.000 χ²/NDF: 49.2/47
Right: -0.000+/-0.000 χ²/NDF: 55.6/63
In: 0.000+/-0.000 χ²/NDF:46.5/52
Out: -0.000+/-0.000 χ²/NDF:56.9/58
All: -0.000+/-0.000 χ²/NDF: 106.5/111



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

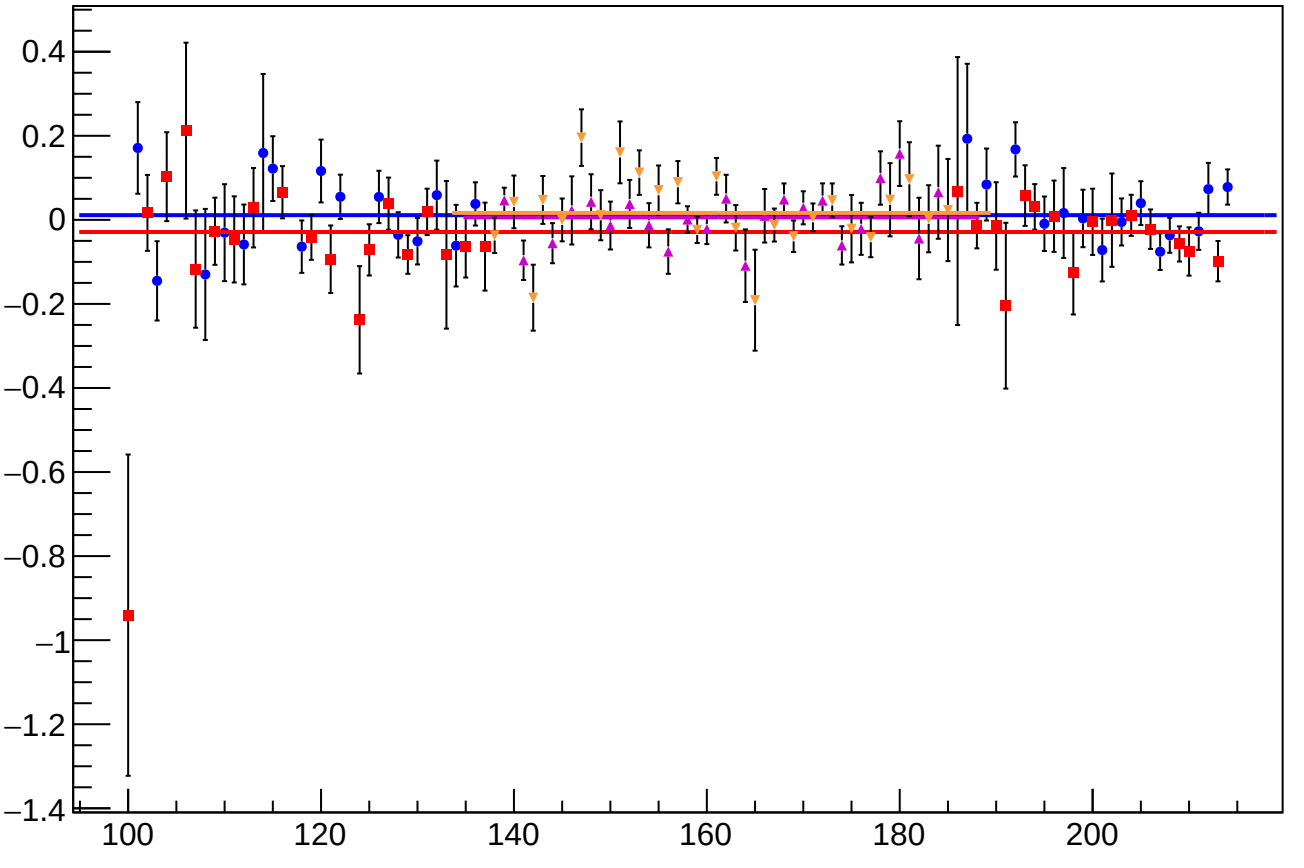
Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

Right: 0.000+/-0.000 χ^2/NDF: 15990789.1/63

In: 0.000+/-0.000 χ^2/NDF:14308004.7/52

Out: 0.000+/-0.000 χ^2/NDF:18175705.7/58

All: 0.000+/-0.000 χ^2/NDF: 32861894.4/111



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

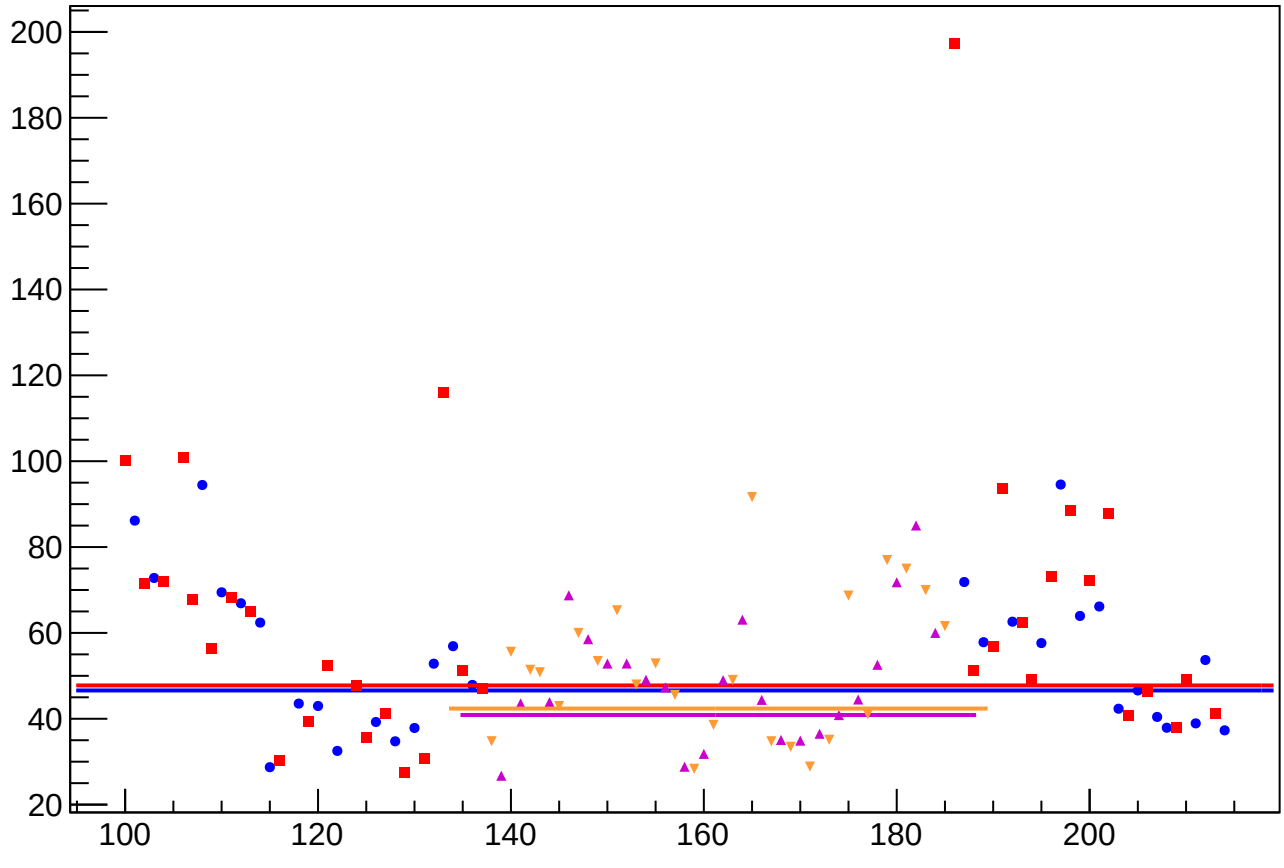
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.008+/-0.008 χ^2/NDF: 69.9/63

In: 0.008+/-0.008 χ^2/NDF:61.9/52

Out: -0.003+/-0.008 χ^2/NDF:77.6/58

All: 0.003+/-0.006 χ^2/NDF: 140.4/111



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

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

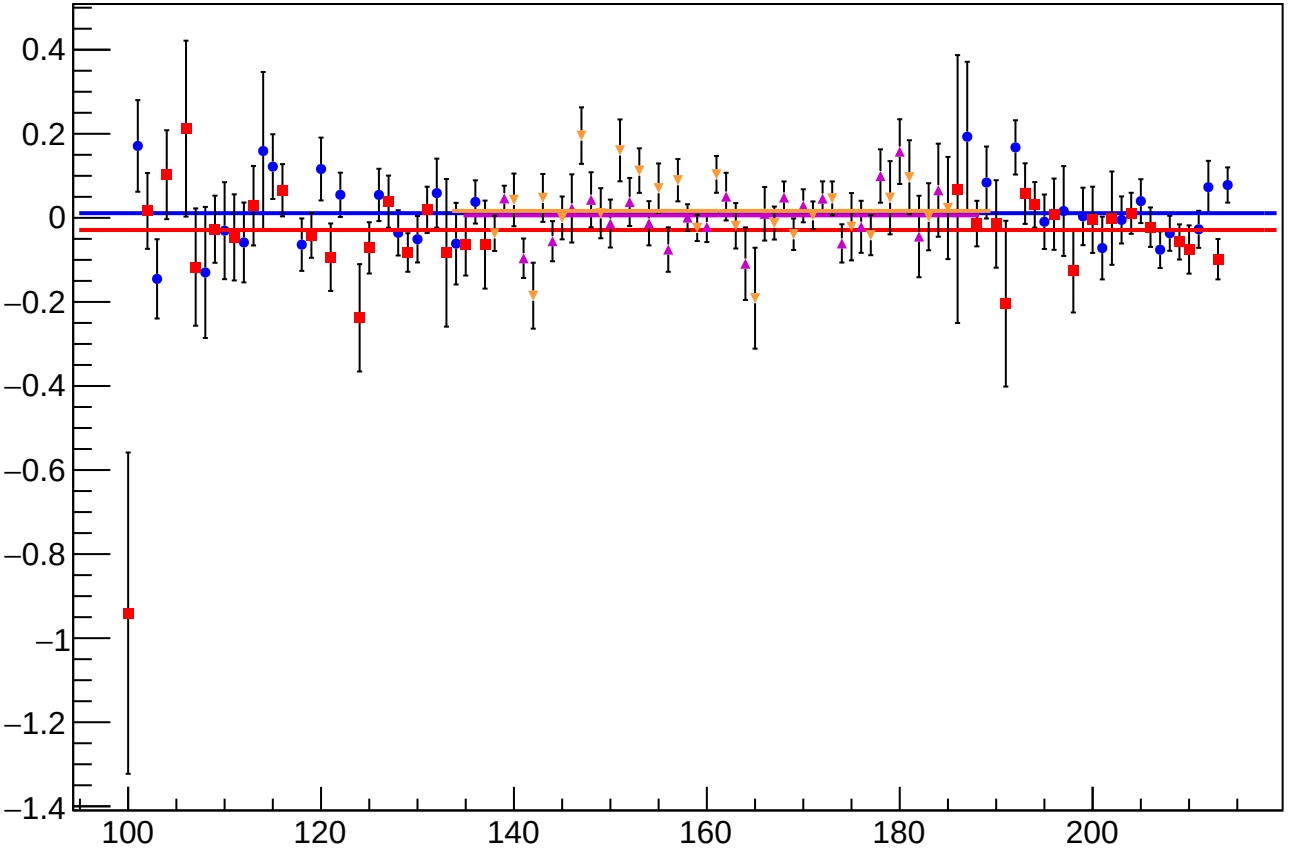
Right: 47.157+/-0.006 χ^2/NDF: 6160526.4/63

In: 43.357+/-0.005 χ^2/NDF:5455020.5/52

Out: 44.642+/-0.006 χ^2/NDF:7060881.1/58

All: 43.988+/-0.004 χ^2/NDF: 12542986.4/111

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

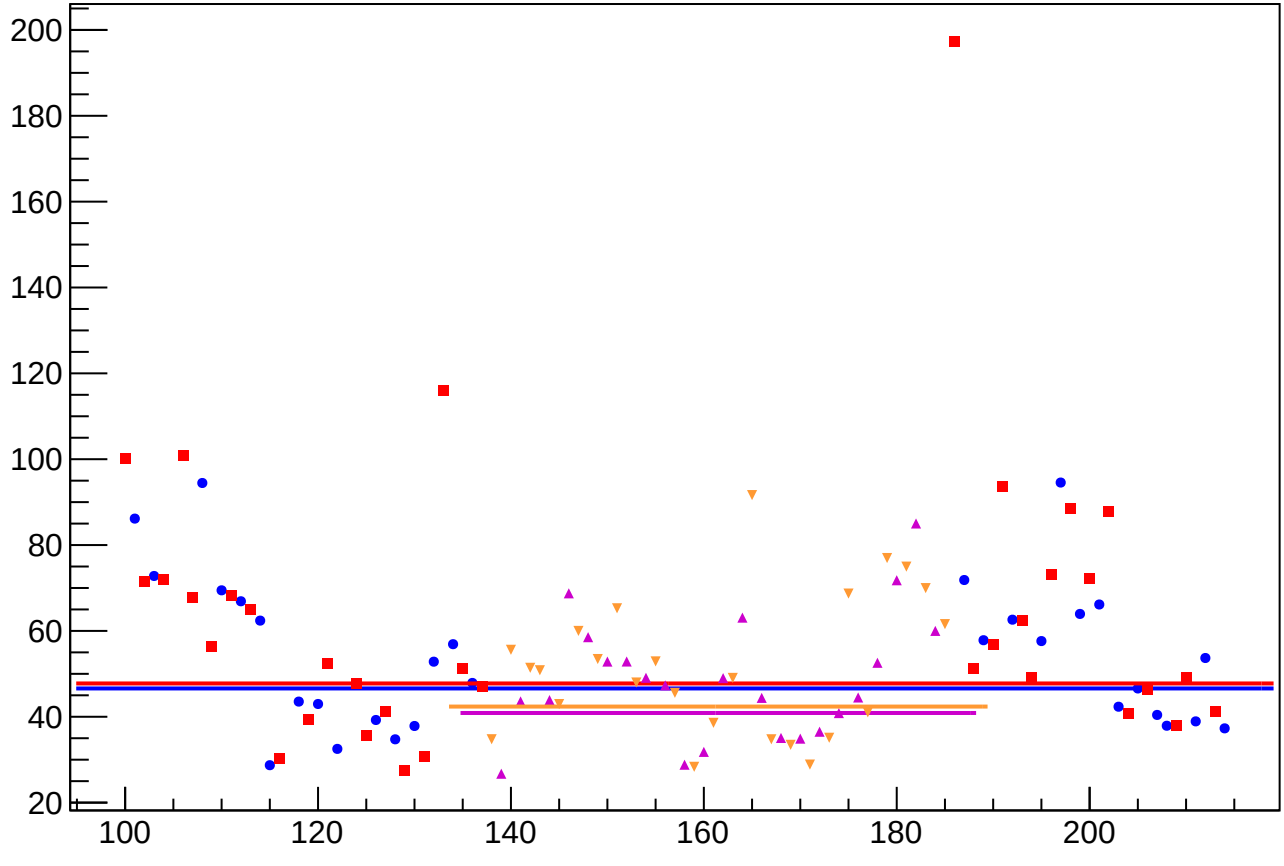
Right: -0.008+/-0.008 χ^2/NDF: 69.9/63

In: 0.008+/-0.008 χ^2/NDF:61.9/52

Out: -0.003+/-0.008 χ^2/NDF:77.6/58

All: 0.003+/-0.006 χ^2/NDF: 140.4/111

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

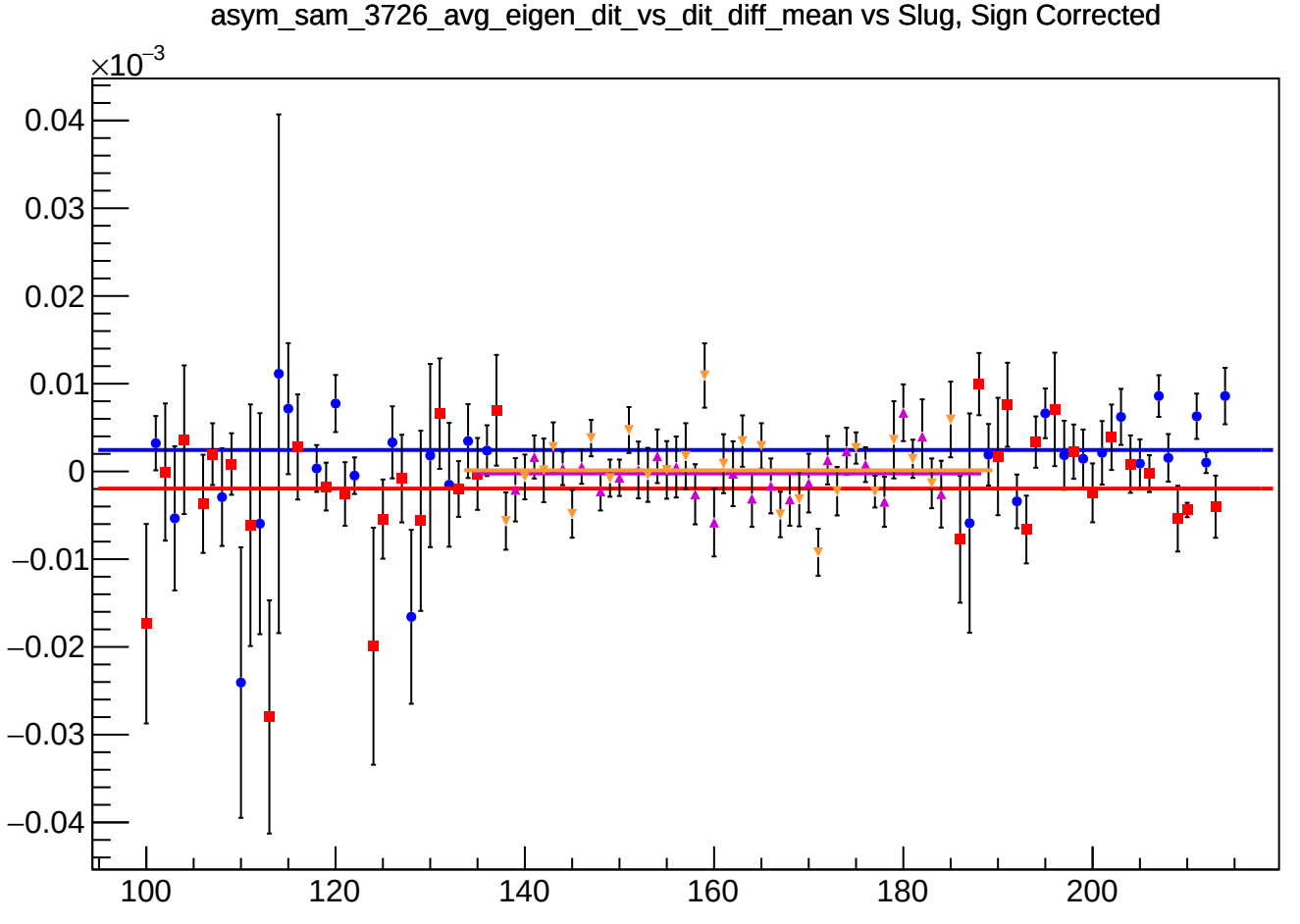
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 47.157+/-0.006 χ^2/NDF: 6160526.4/63

In: 43.357+/-0.005 χ^2/NDF:5455020.5/52

Out: 44.642+/-0.006 χ^2/NDF:7060881.1/58

All: 43.988+/-0.004 χ^2/NDF: 12542986.4/111



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

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

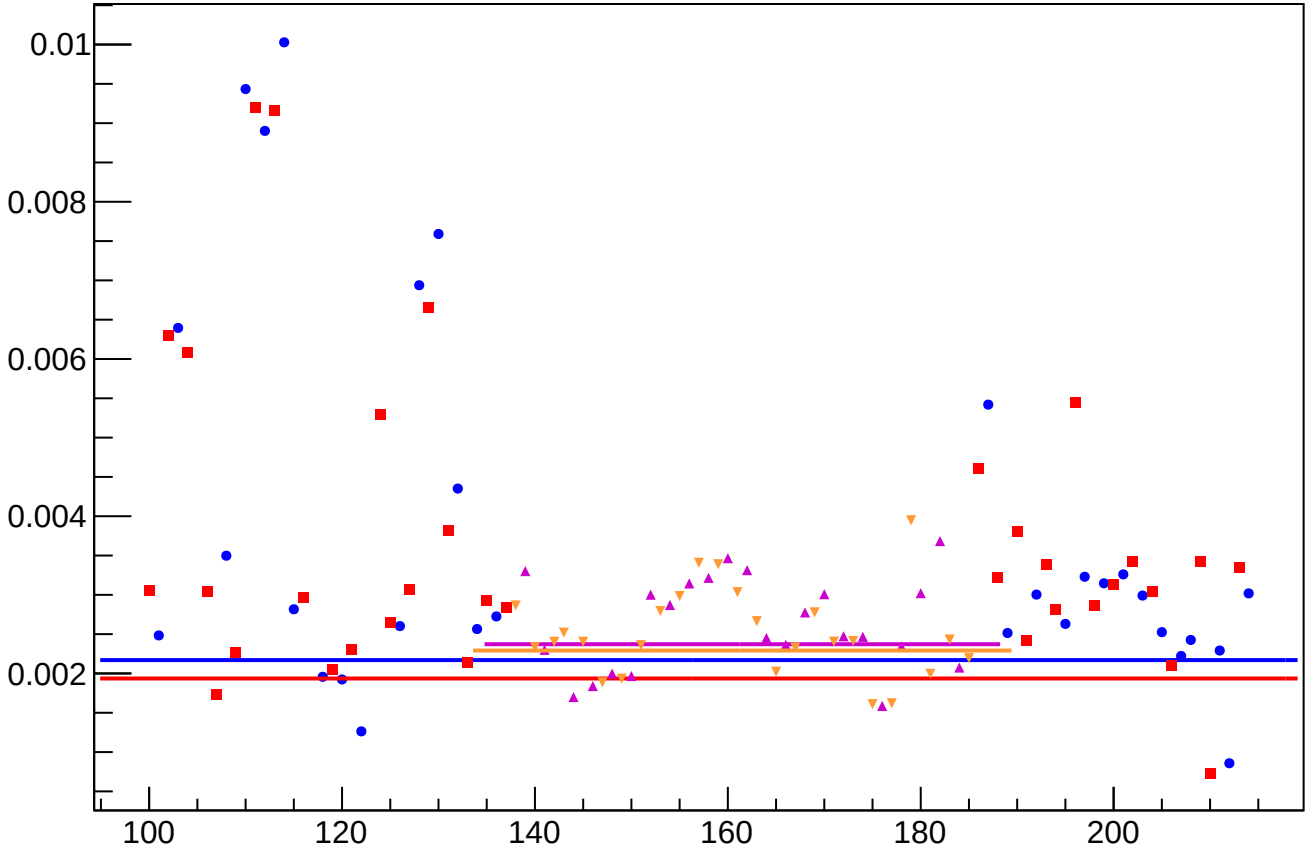
Right: 0.000+/-0.000 χ^2/NDF: 122.2/63

In: 0.000+/-0.000 χ^2/NDF:64.0/52

Out: -0.000+/-0.000 χ^2/NDF:111.5/58

All: 0.000+/-0.000 χ^2/NDF: 188.2/111

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7170893.2/29

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11249834.0/33

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

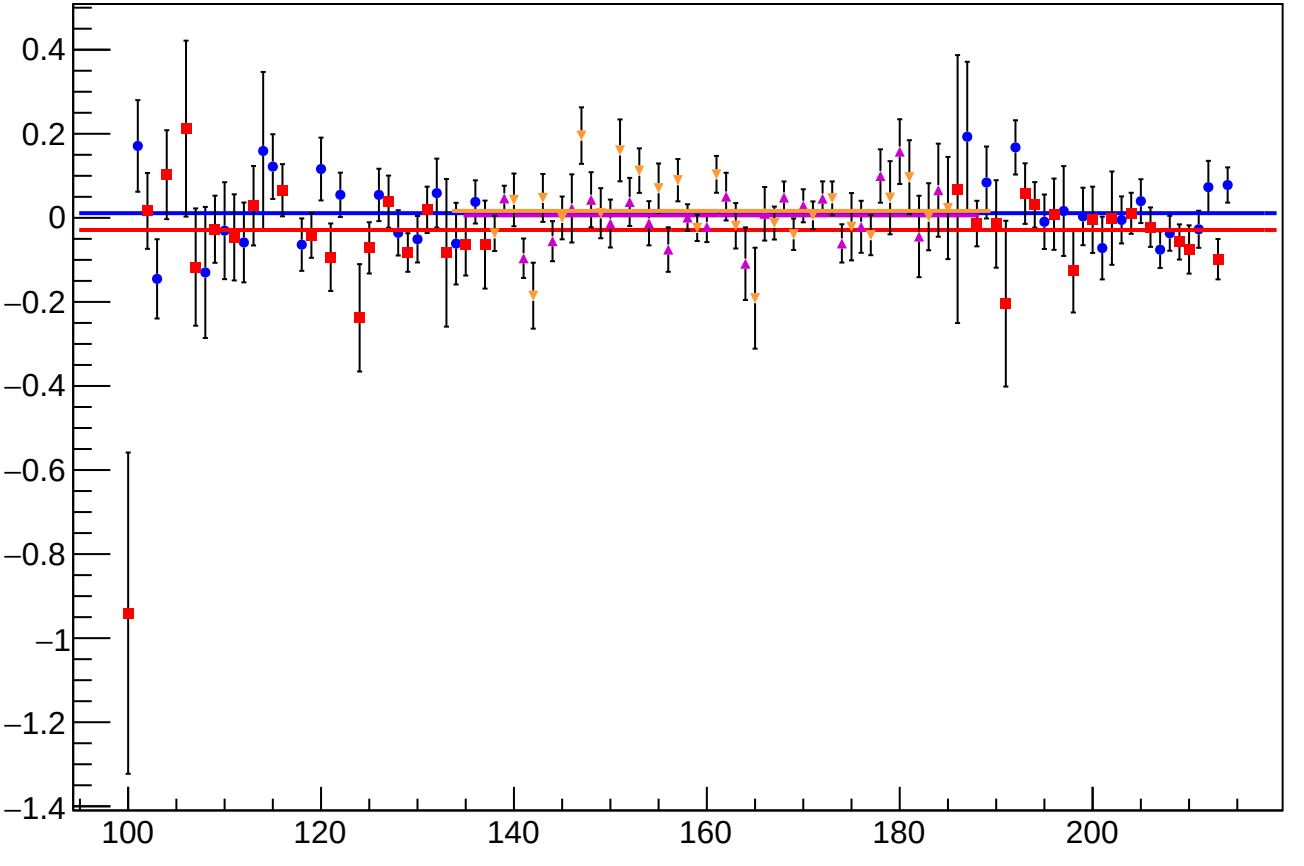
Right: 0.002+/-0.000 χ^2/NDF: 18594295.5/63

In: 0.002+/-0.000 χ^2/NDF:9313015.3/52

Out: 0.002+/-0.000 χ^2/NDF:13502971.1/58

All: 0.002+/-0.000 χ^2/NDF: 22970420.0/111

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

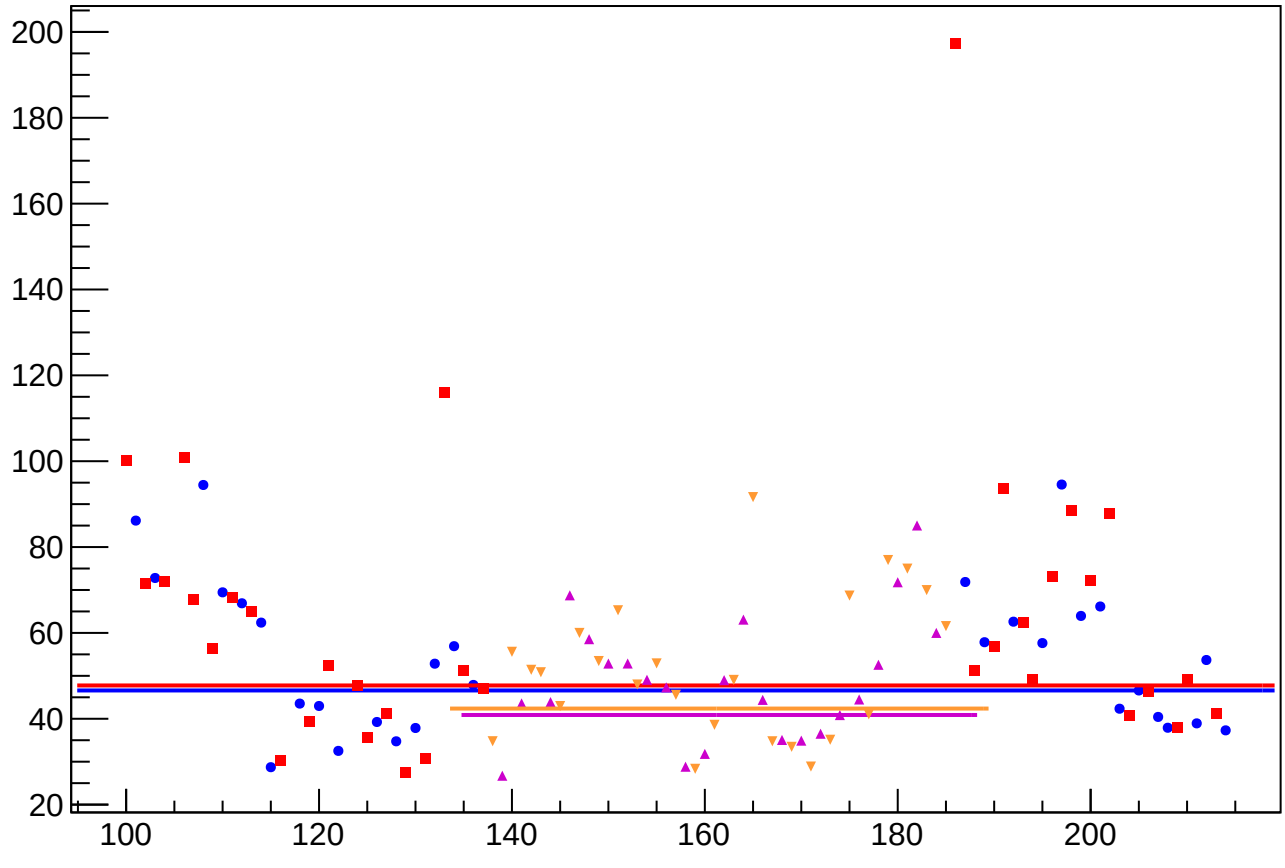
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.008+/-0.008 χ^2/NDF: 69.9/63

In: 0.008+/-0.008 χ^2/NDF:61.9/52

Out: -0.003+/-0.008 χ^2/NDF:77.6/58

All: 0.003+/-0.006 χ^2/NDF: 140.4/111



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

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

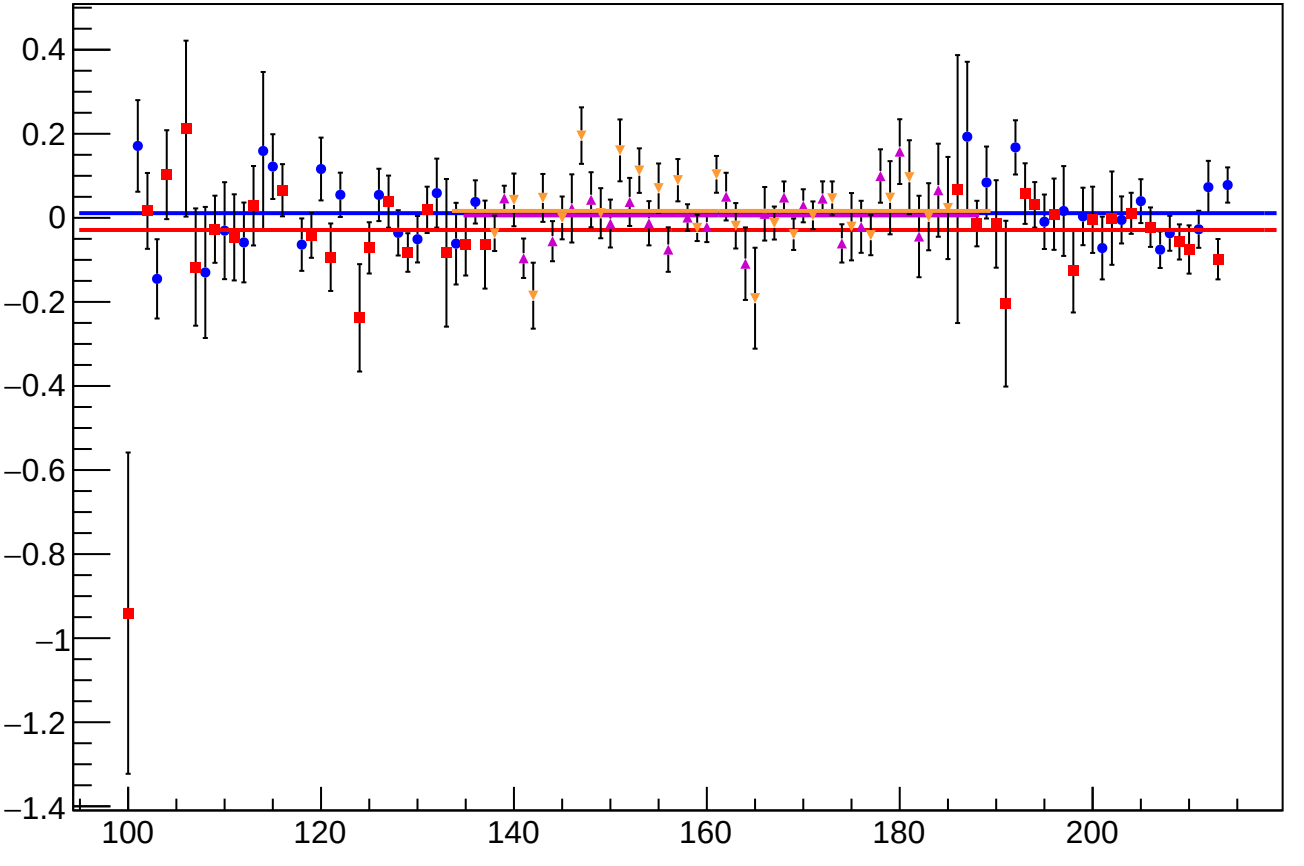
Right: 47.157+/-0.006 χ^2/NDF: 6160429.6/63

In: 43.357+/-0.005 χ^2/NDF:5454970.3/52

Out: 44.642+/-0.006 χ^2/NDF:7060814.7/58

All: 43.989+/-0.004 χ^2/NDF: 12542871.2/11

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

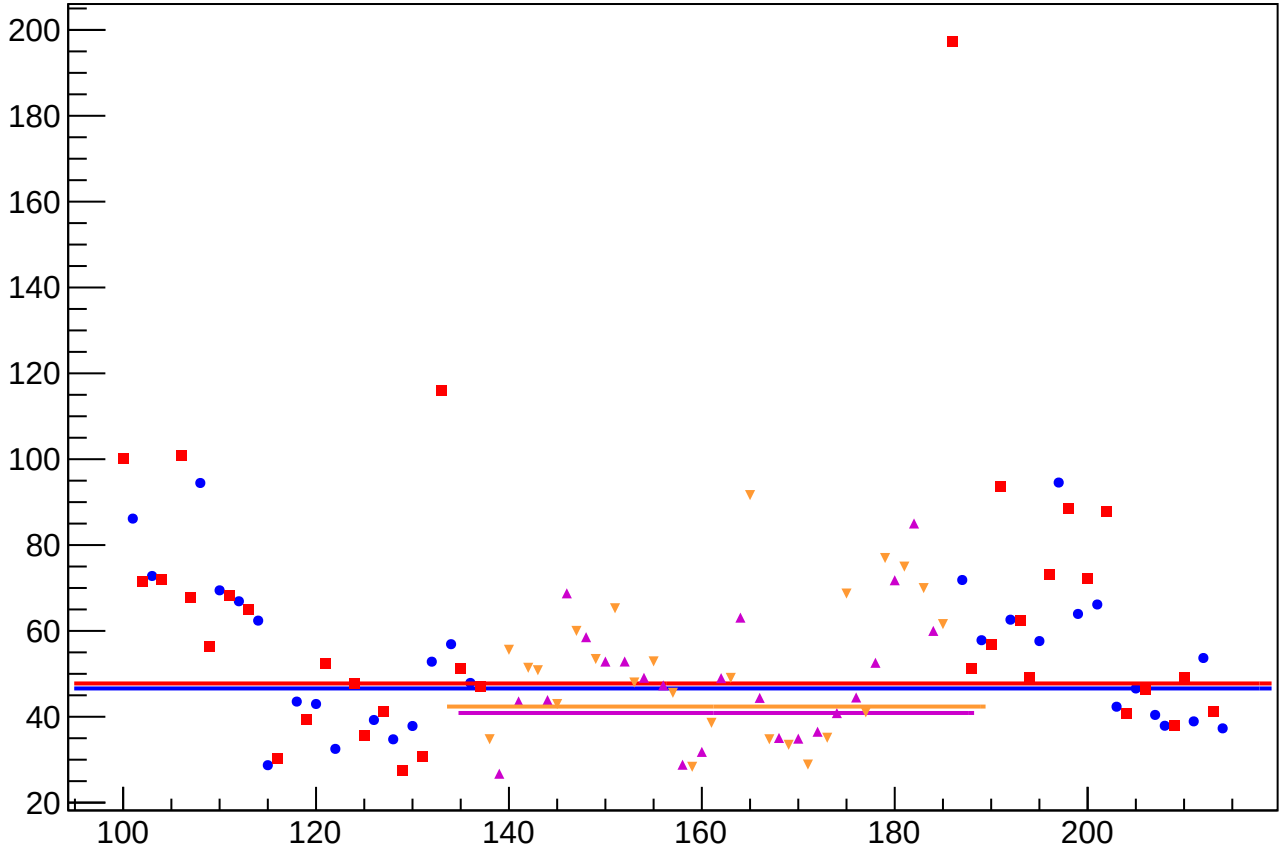
Right: -0.008+/-0.008 χ^2/NDF: 69.9/63

In: 0.008+/-0.008 χ^2/NDF:61.9/52

Out: -0.003+/-0.008 χ^2/NDF:77.6/58

All: 0.003+/-0.006 χ^2/NDF: 140.4/111

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

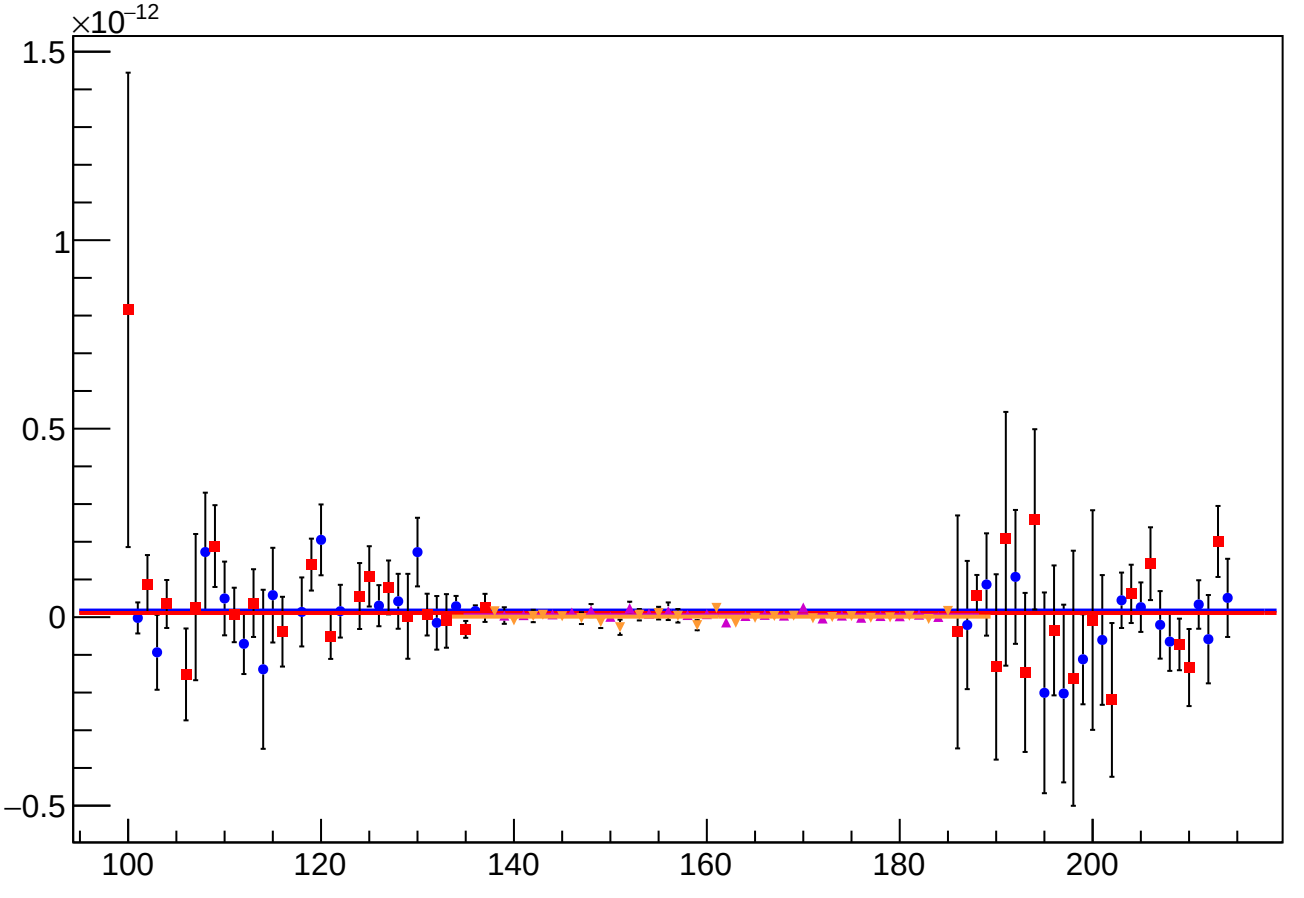
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 47.157+/-0.006 χ^2/NDF: 6160429.6/63

In: 43.357+/-0.005 χ^2/NDF:5454970.3/52

Out: 44.642+/-0.006 χ^2/NDF:7060814.7/58

All: 43.989+/-0.004 χ^2/NDF: 12542871.2/11



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

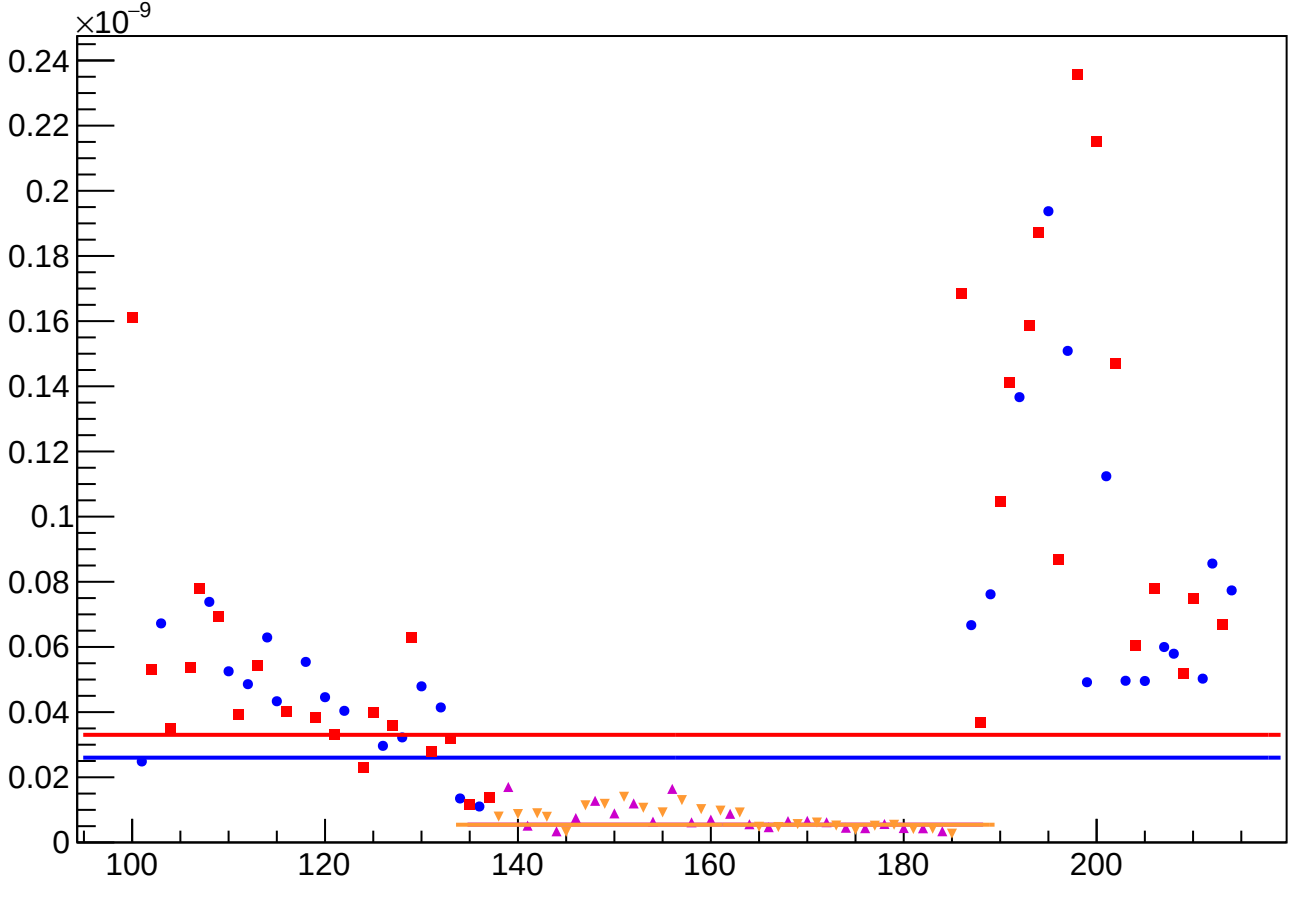
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

Right: 0.000+/-0.000 χ^2/NDF: 50.8/63

In: 0.000+/-0.000 χ^2/NDF:32.0/52

Out: 0.000+/-0.000 χ^2/NDF:53.5/58

All: 0.000+/-0.000 χ^2/NDF: 88.0/111



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

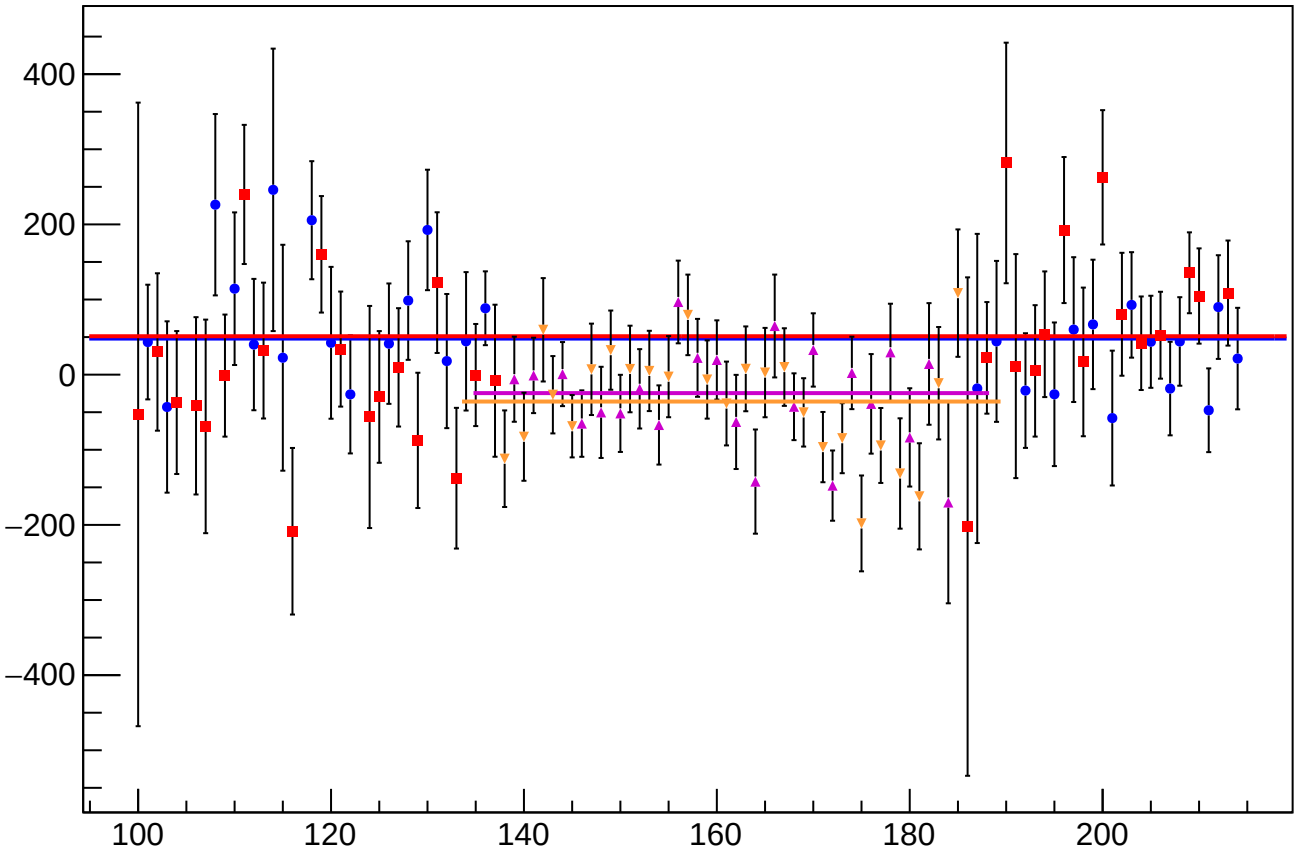
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 19109674.4/63

In: 0.000+/-0.000 χ^2/NDF:19856324.7/52

Out: 0.000+/-0.000 χ^2/NDF:22862710.2/58

All: 0.000+/-0.000 χ^2/NDF: 42722625.0/111



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

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

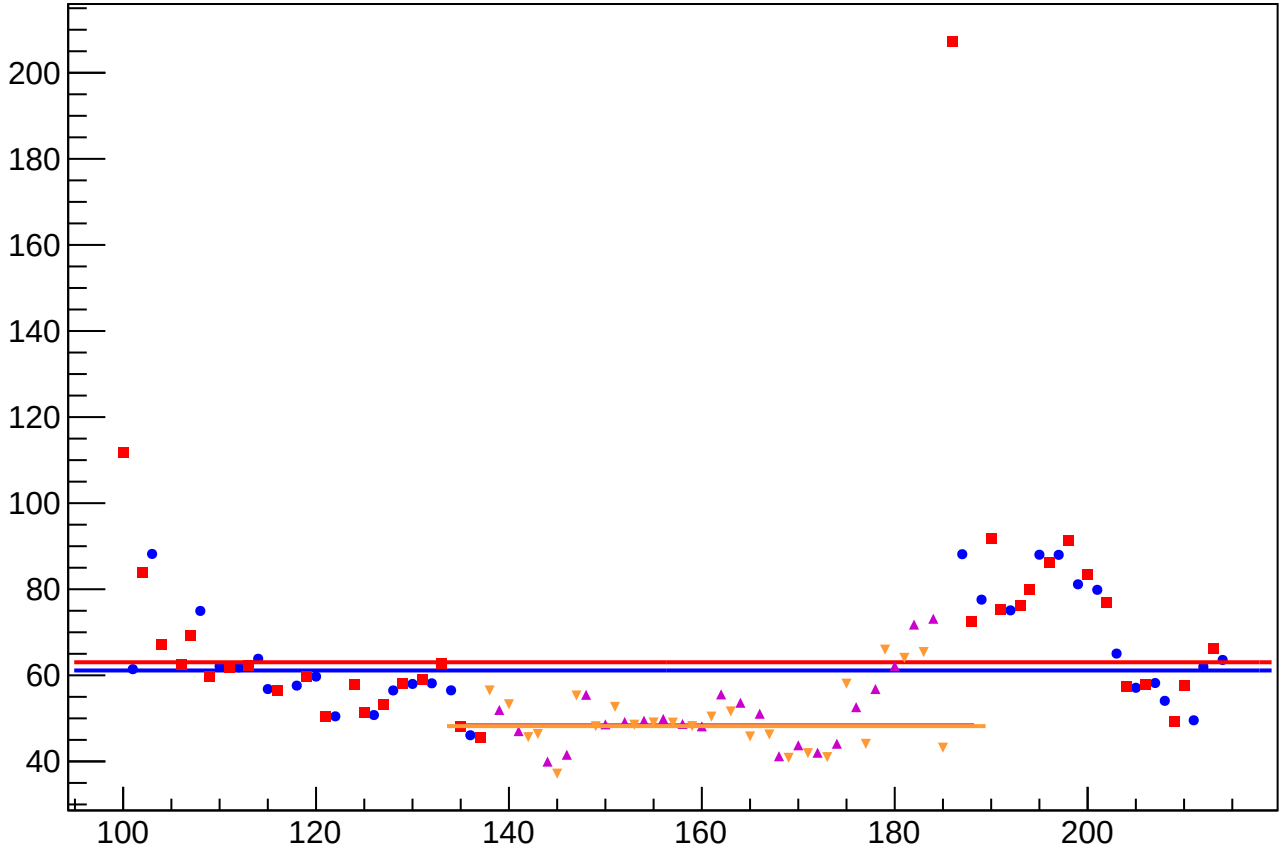
Right: 49.550+/-10.415 χ^2/NDF: 60.8/63

In: 3.148+/-9.019 χ^2/NDF:62.8/52

Out: -4.605+/-8.904 χ^2/NDF:94.6/58

All: -0.778+/-6.336 χ^2/NDF: 157.8/111

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

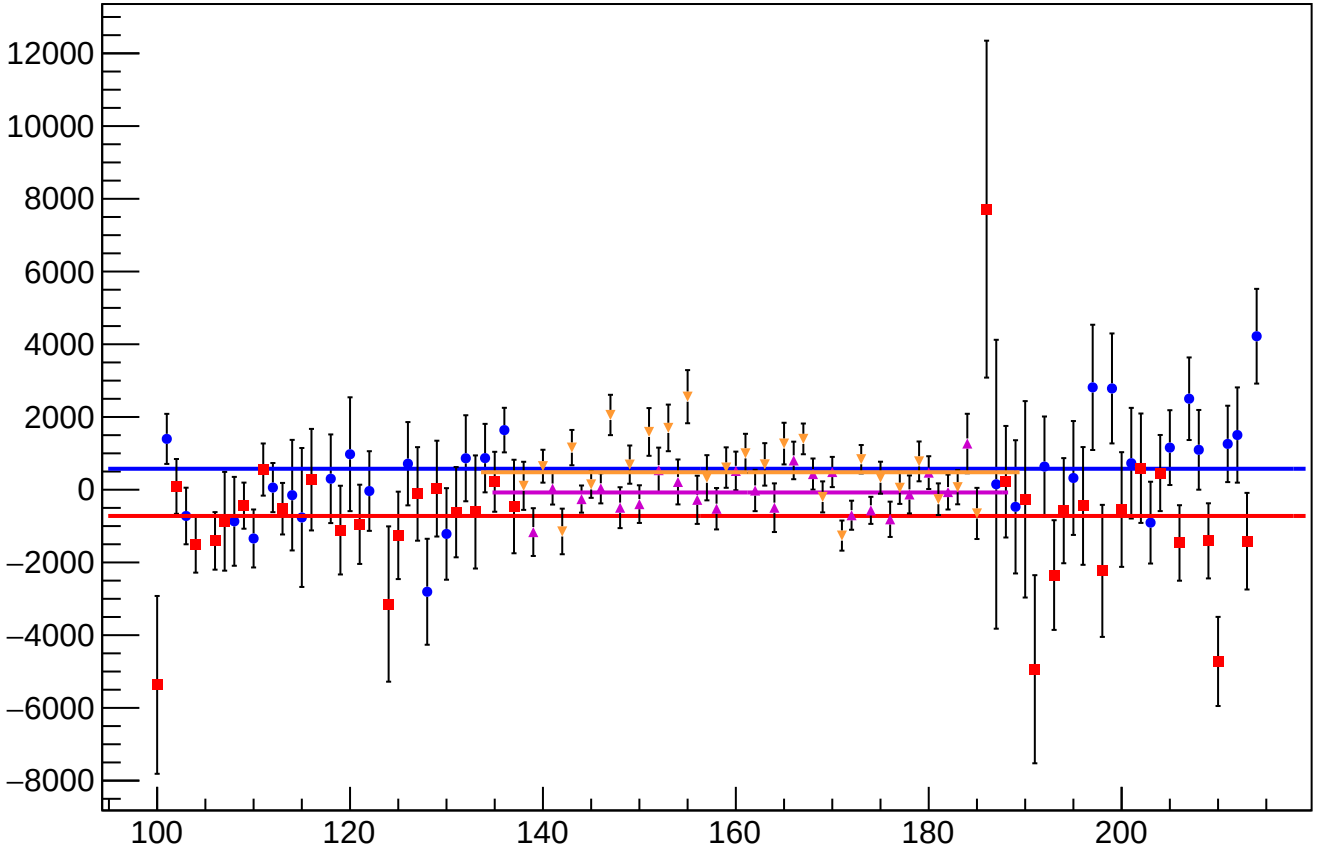
Right: 62.065+/-0.007 χ^2/NDF: 2885133.3/63

In: 53.247+/-0.006 χ^2/NDF:2853742.4/52

Out: 53.523+/-0.006 χ^2/NDF:3711178.6/58

All: 53.387+/-0.004 χ^2/NDF: 6565866.2/111

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



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

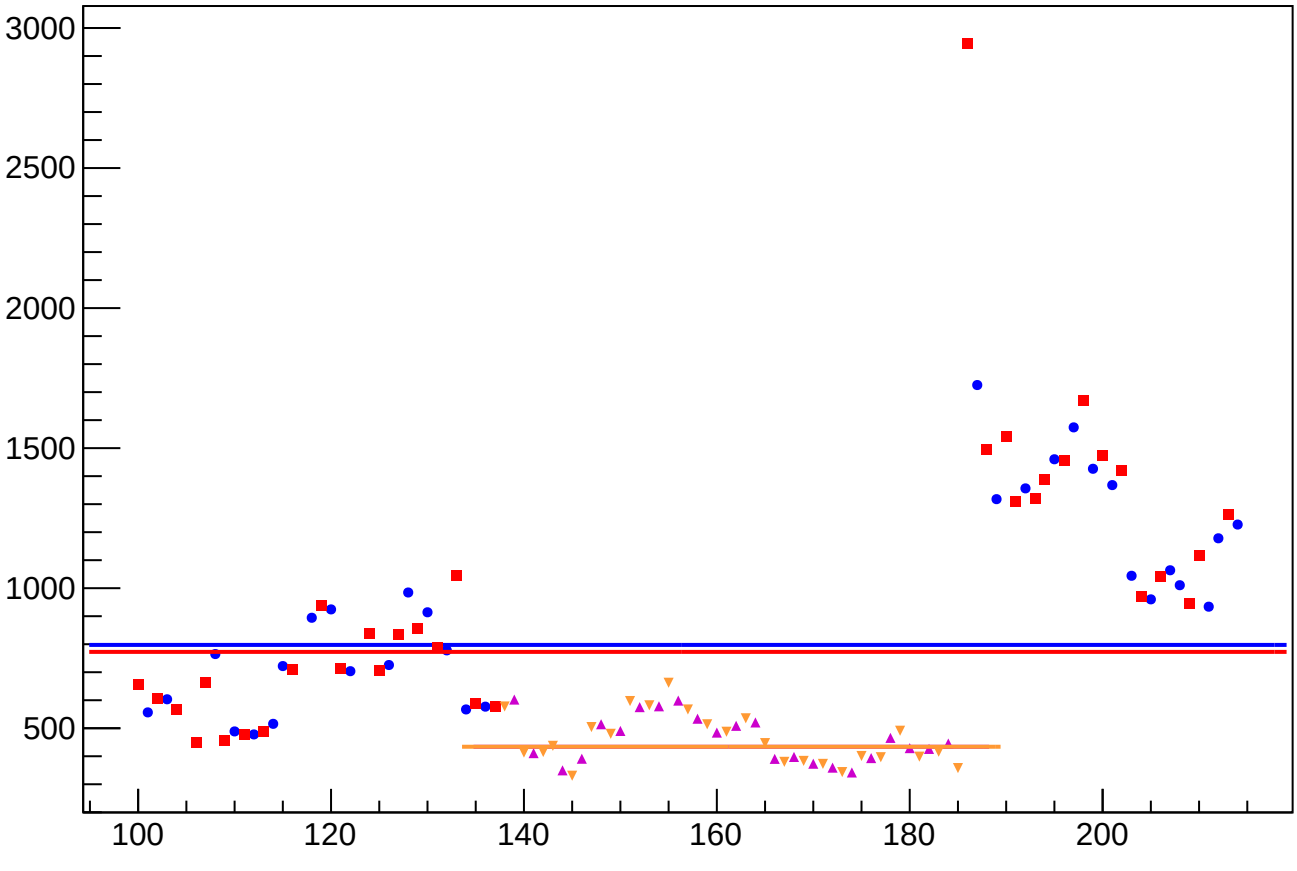
Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

Right: -91.337+/-139.088 χ^2/NDF: 99.8/63

In: 61.714+/-91.618 χ^2/NDF:74.7/52

Out: 225.691+/-89.251 χ^2/NDF:135.7/58

All: 145.848+/-63.930 χ^2/NDF: 212.0/111



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

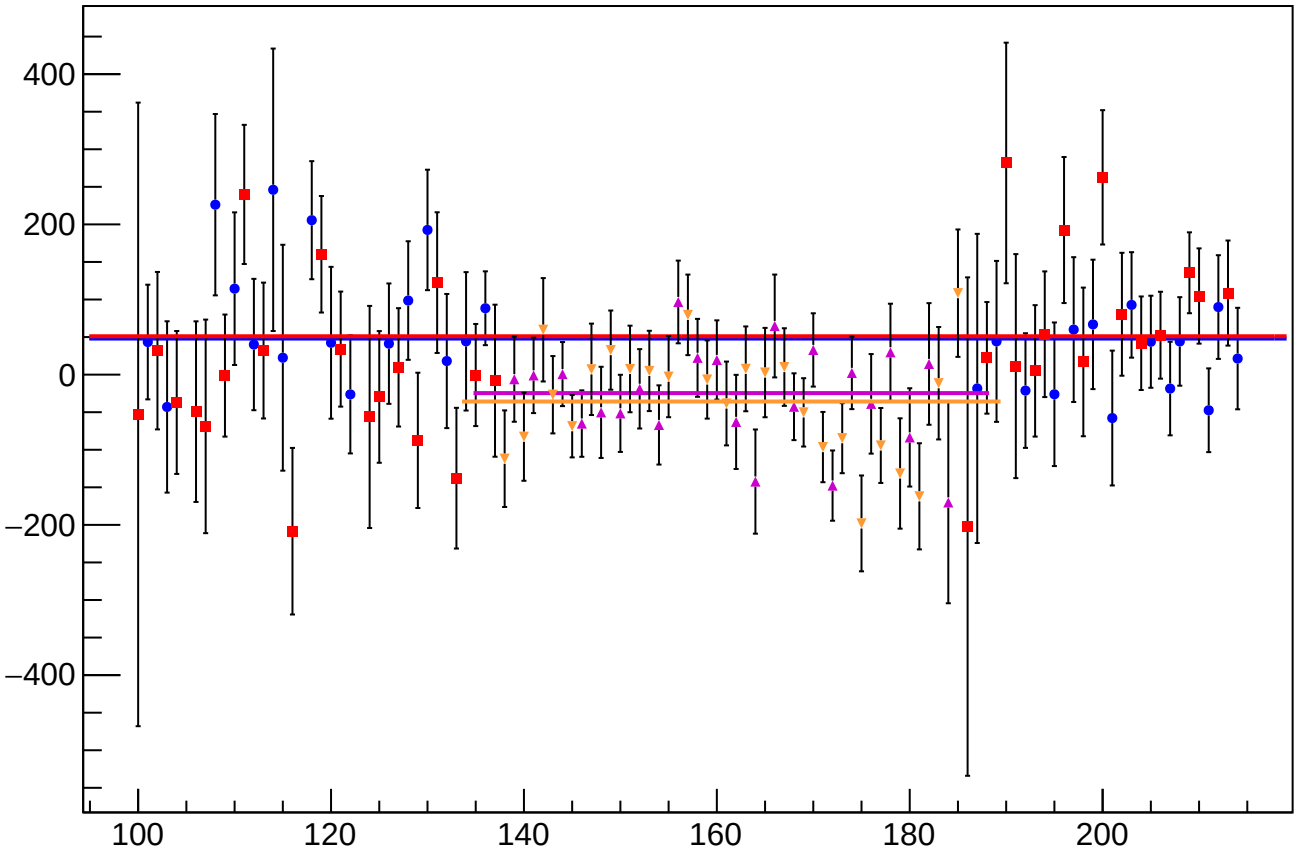
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 784.685+/-0.098 χ^2/NDF: 10510800.0/63

In: 510.394+/-0.065 χ^2/NDF:10751729.5/52

Out: 505.648+/-0.063 χ^2/NDF:12132154.9/58

All: 507.959+/-0.045 χ^2/NDF: 22886638.1/11



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

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

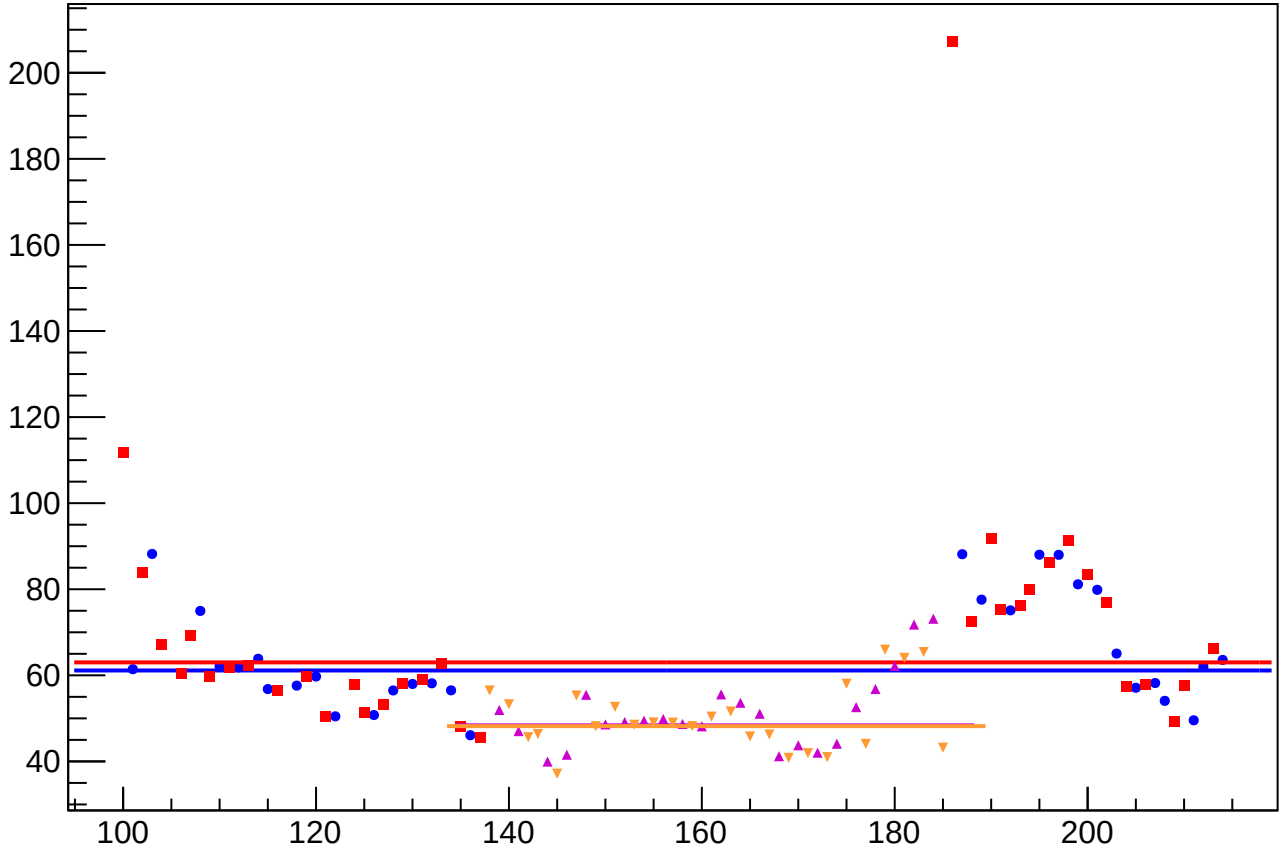
Right: 49.536+/-10.417 χ^2/NDF: 60.9/63

In: 3.149+/-9.019 χ^2/NDF:62.8/52

Out: -4.632+/-8.905 χ^2/NDF:94.7/58

All: -0.791+/-6.337 χ^2/NDF: 157.8/111

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

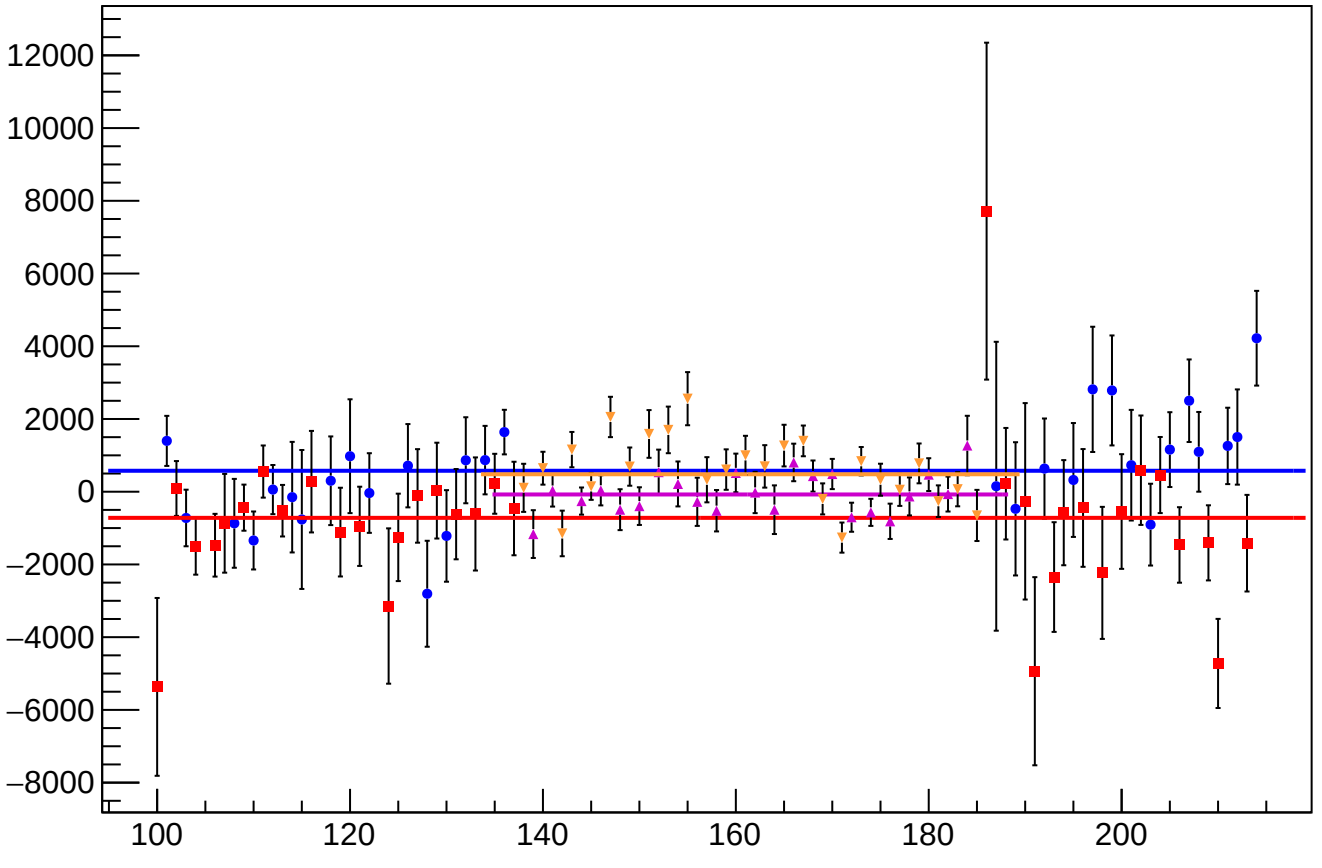
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.050+/-0.007 χ^2/NDF: 2885698.6/63

In: 53.247+/-0.006 χ^2/NDF:2853746.3/52

Out: 53.510+/-0.006 χ^2/NDF:3706540.3/58

All: 53.380+/-0.004 χ^2/NDF: 6561144.8/111



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

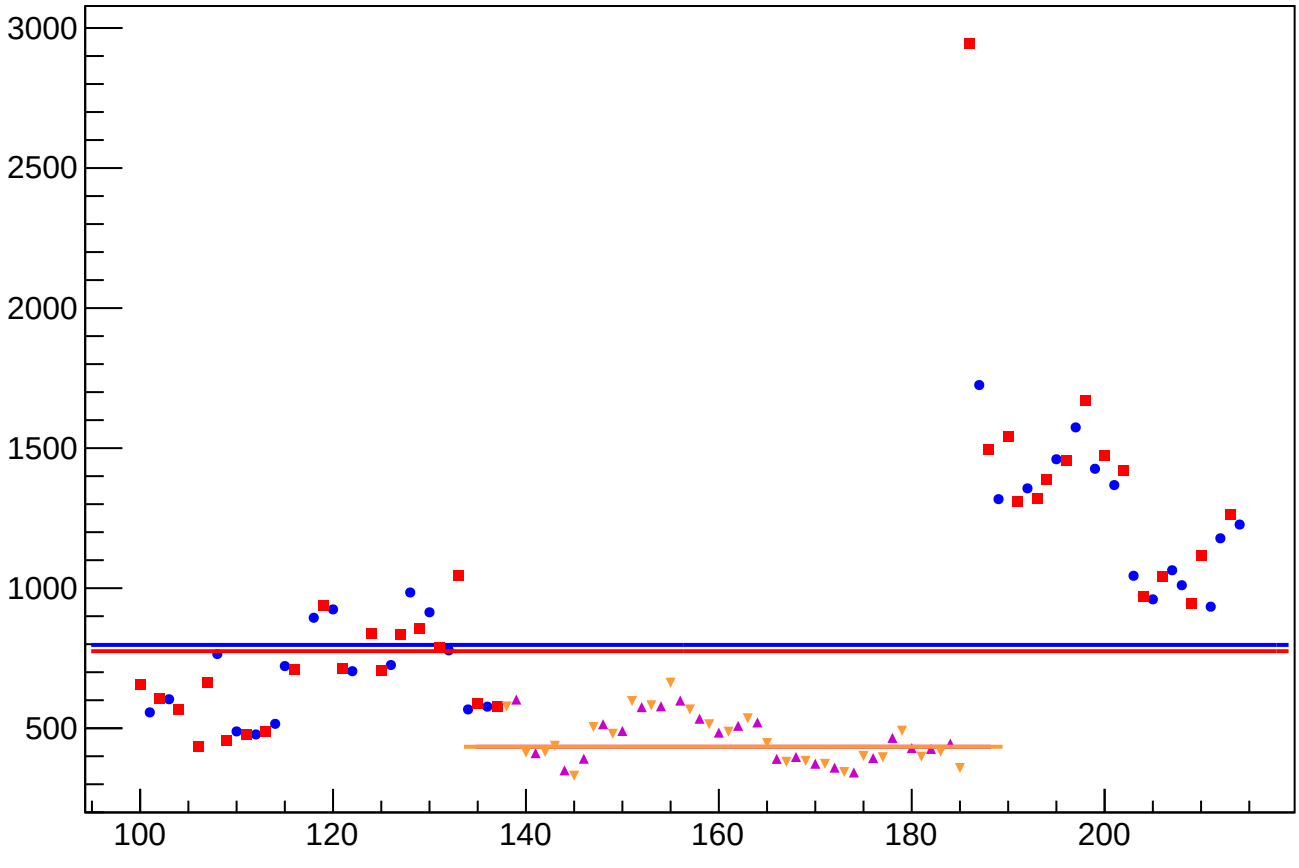
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -86.606+/-139.433 χ^2/NDF: 99.6/63

In: 61.717+/-91.618 χ^2/NDF:74.7/52

Out: 228.271+/-89.342 χ^2/NDF:135.3/58

All: 147.088+/-63.964 χ^2/NDF: 211.7/111



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

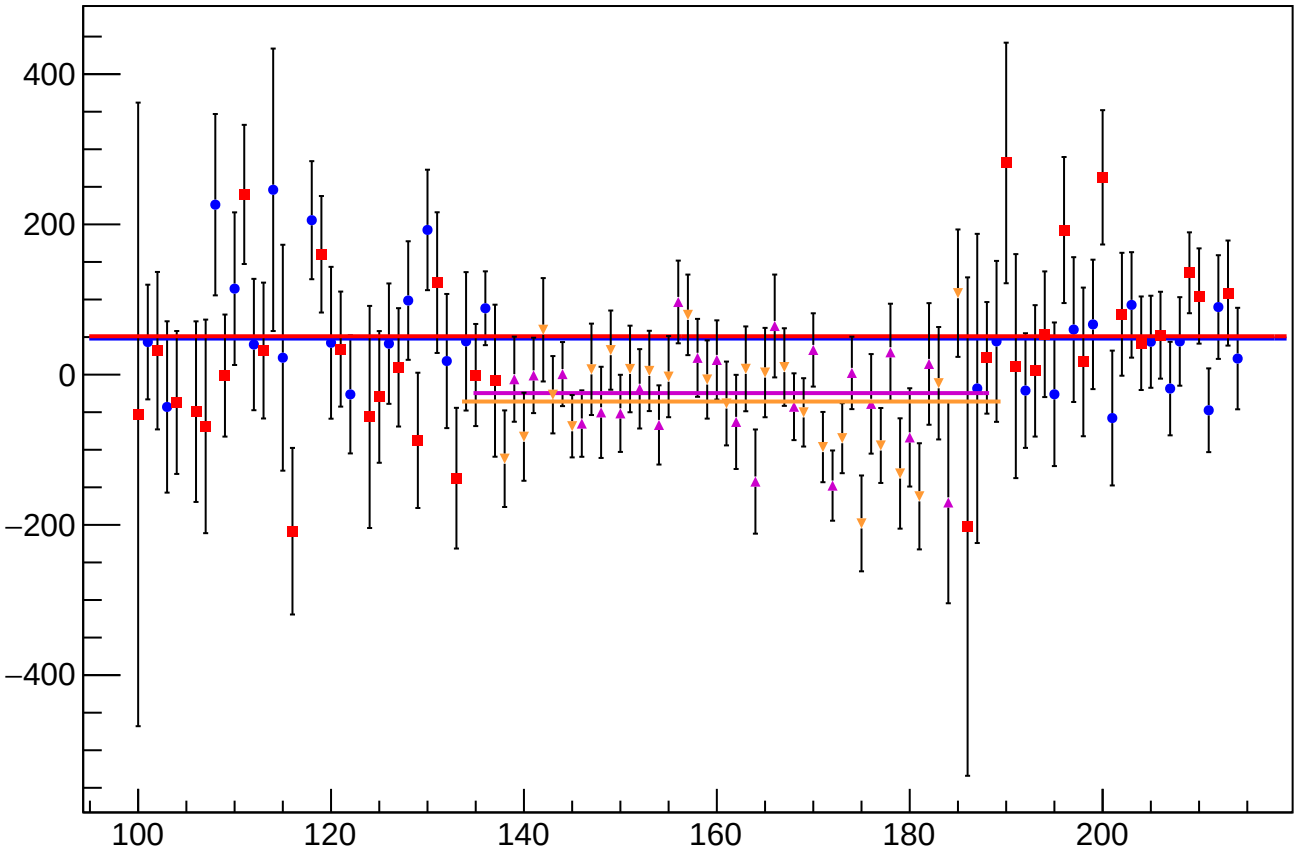
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 786.019+/-0.099 χ^2/NDF: 10476867.4/63

In: 510.395+/-0.065 χ^2/NDF:10751748.4/52

Out: 505.627+/-0.063 χ^2/NDF:12135211.8/58

All: 507.951+/-0.045 χ^2/NDF: 22889736.6/1



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

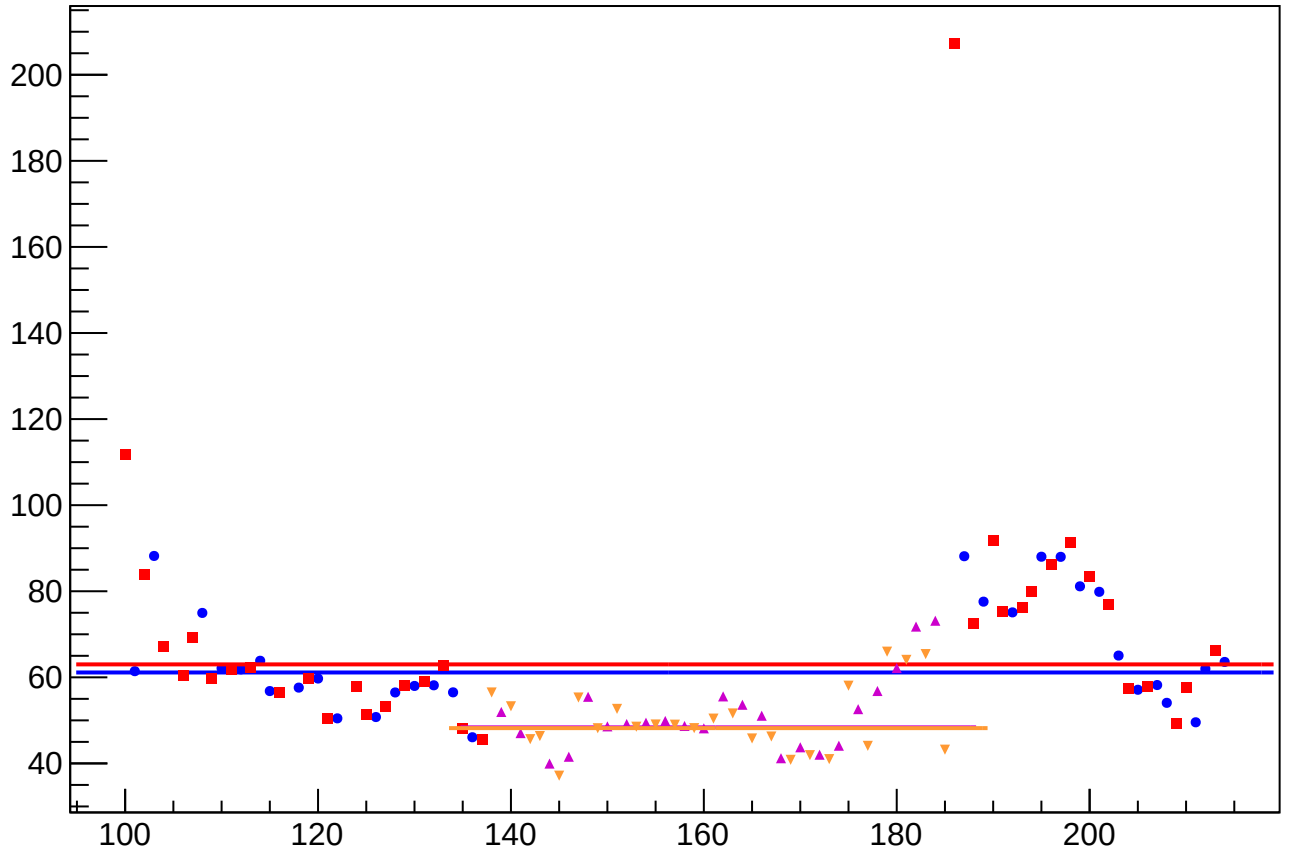
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 49.536+/-10.417 χ^2/NDF: 60.9/63

In: 3.149+/-9.019 χ^2/NDF:62.8/52

Out: -4.632+/-8.905 χ^2/NDF:94.7/58

All: -0.791+/-6.337 χ^2/NDF: 157.8/111



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

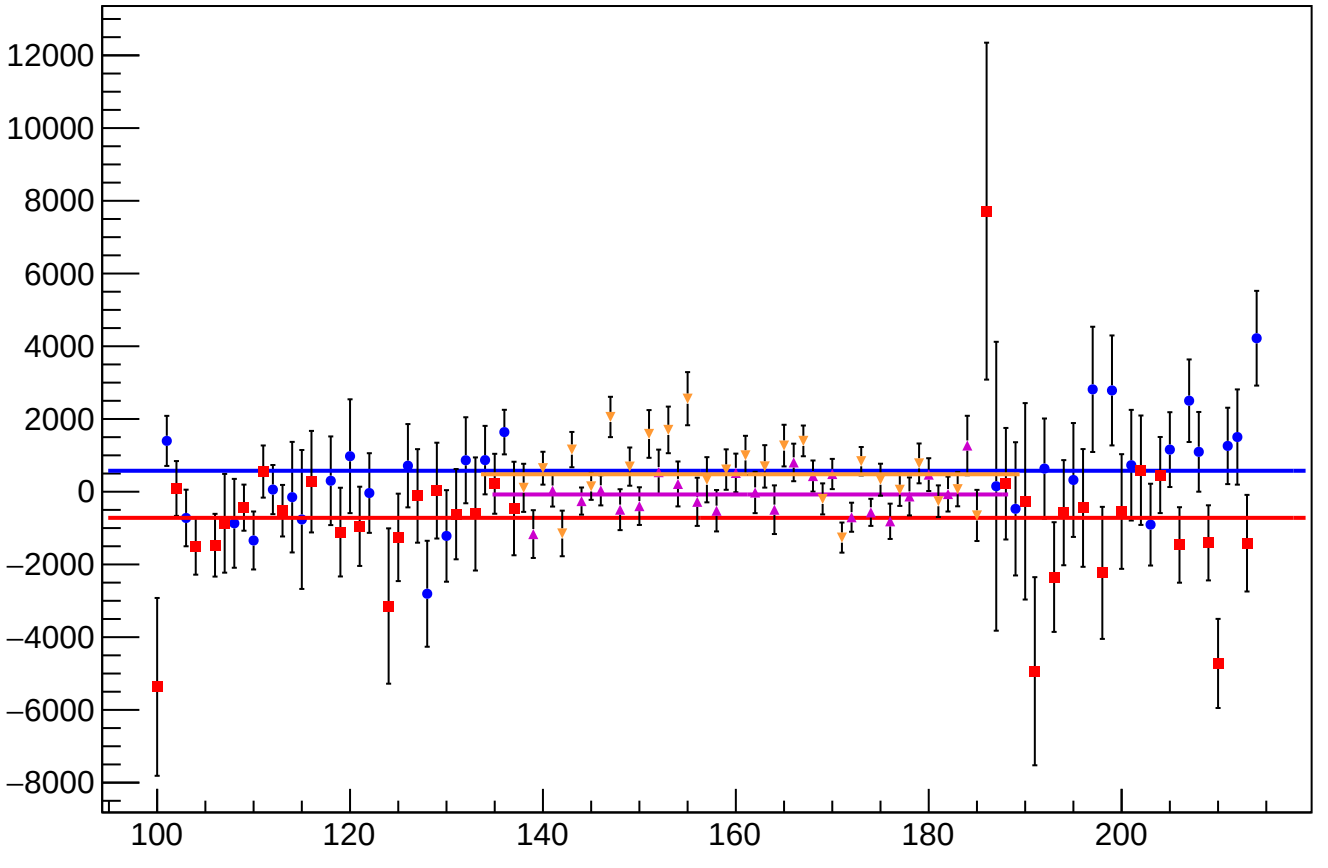
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.050+/-0.007 χ^2/NDF: 2885698.6/63

In: 53.247+/-0.006 χ^2/NDF:2853746.3/52

Out: 53.510+/-0.006 χ^2/NDF:3706540.3/58

All: 53.380+/-0.004 χ^2/NDF: 6561144.8/111



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

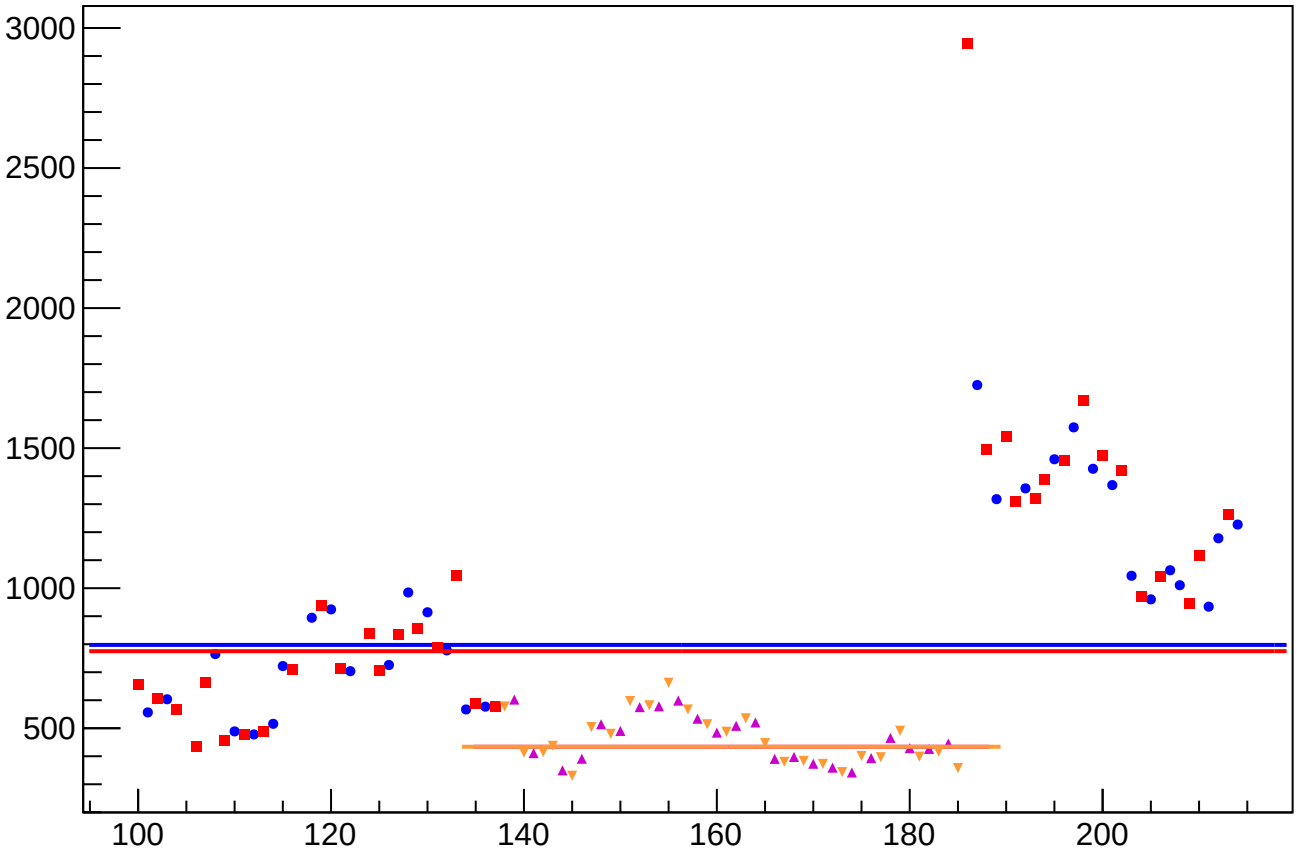
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -86.606+/-139.433 χ^2/NDF: 99.6/63

In: 61.717+/-91.618 χ^2/NDF:74.7/52

Out: 228.271+/-89.342 χ^2/NDF:135.3/58

All: 147.088+/-63.964 χ^2/NDF: 211.7/111



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

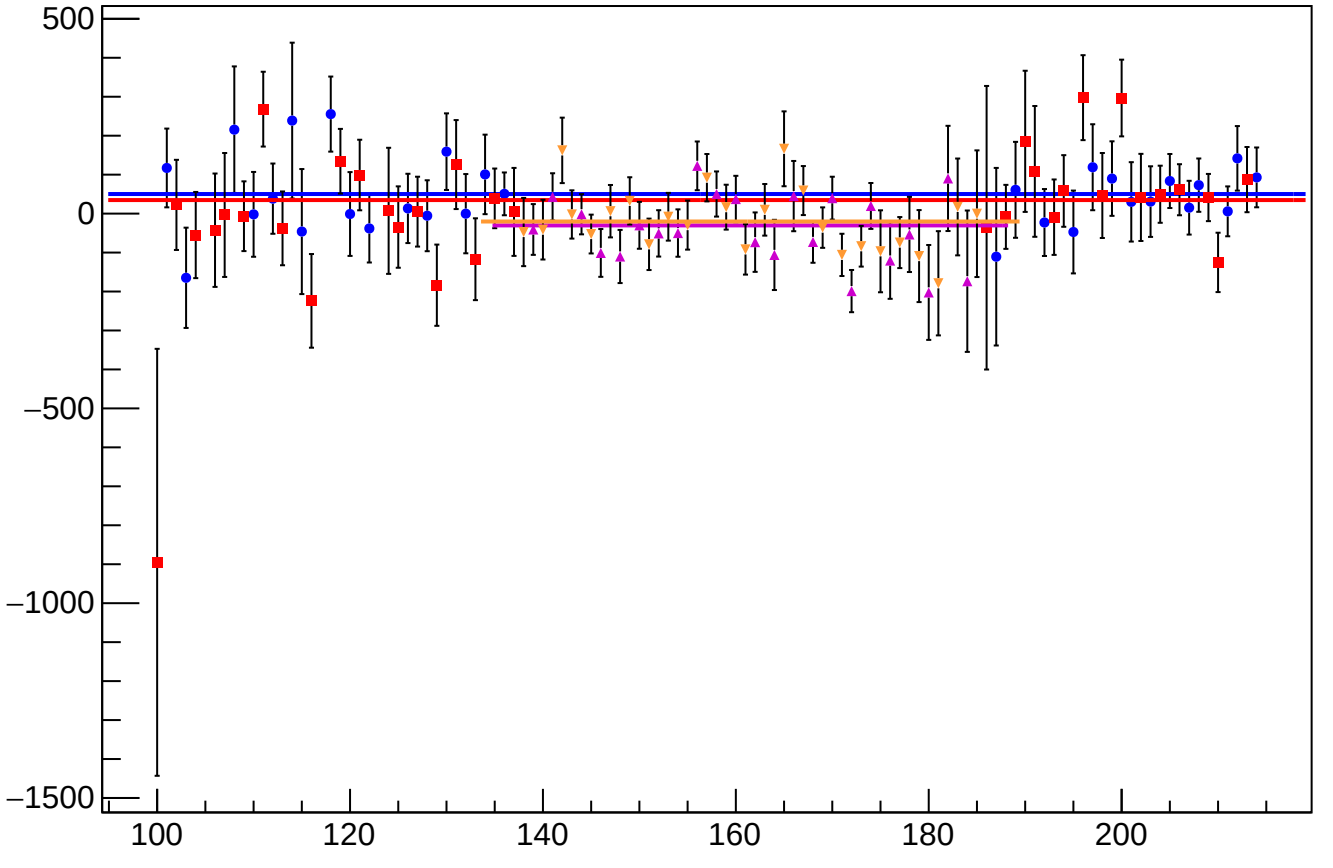
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 786.019+/-0.099 χ^2/NDF: 10476867.4/63

In: 510.395+/-0.065 χ^2/NDF:10751748.4/52

Out: 505.627+/-0.063 χ^2/NDF:12135211.8/58

All: 507.951+/-0.045 χ^2/NDF: 22889736.6/1



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

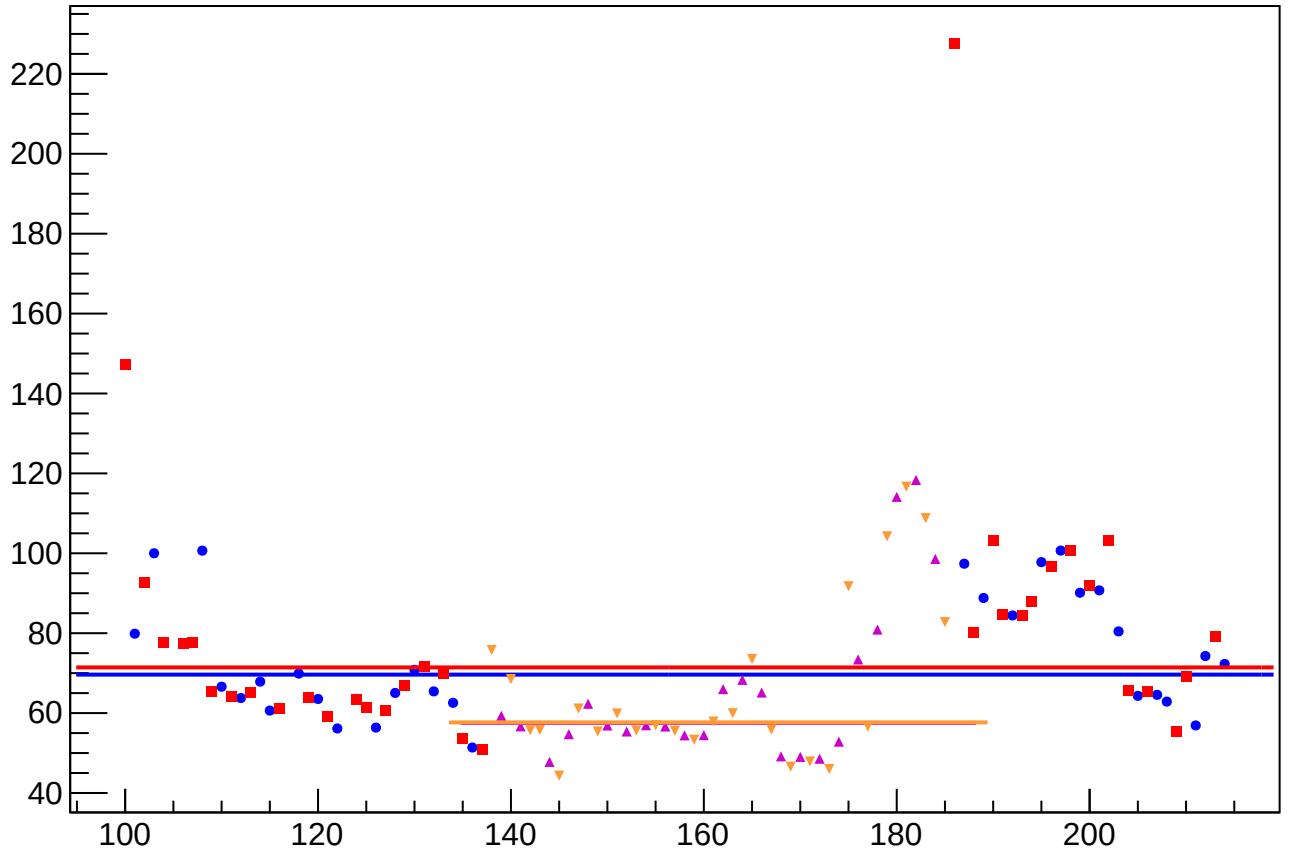
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 42.588+/-11.892 χ^2/NDF: 63.9/63

In: 2.826+/-10.725 χ^2/NDF:65.4/52

Out: 1.400+/-10.616 χ^2/NDF:75.9/58

All: 2.106+/-7.545 χ^2/NDF: 141.3/111



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

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

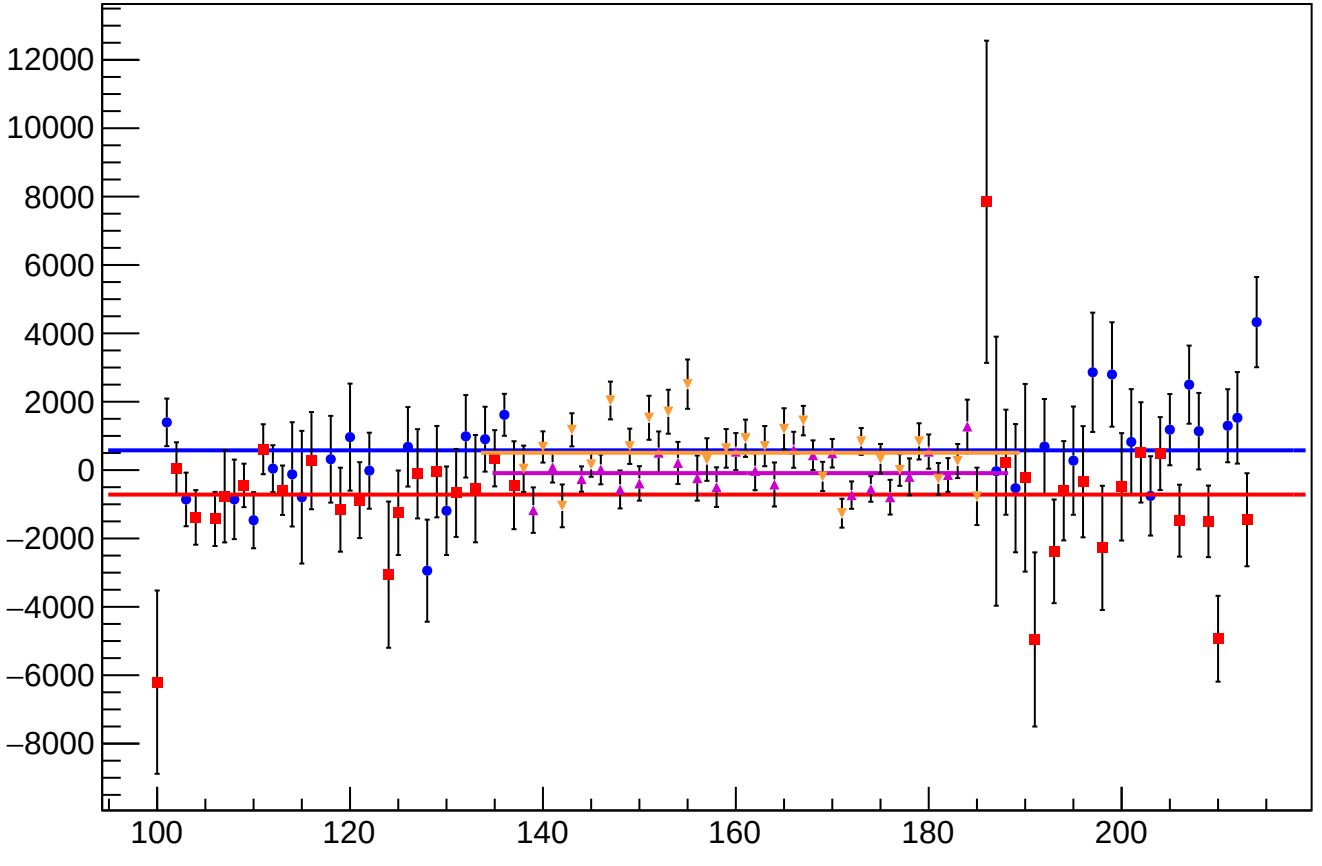
Right: 70.521+/-0.008 χ^2/NDF: 3040352.0/63

In: 62.513+/-0.008 χ^2/NDF:3389867.0/52

Out: 63.090+/-0.008 χ^2/NDF:4410102.5/58

All: 62.804+/-0.005 χ^2/NDF: 7802889.1/111

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



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

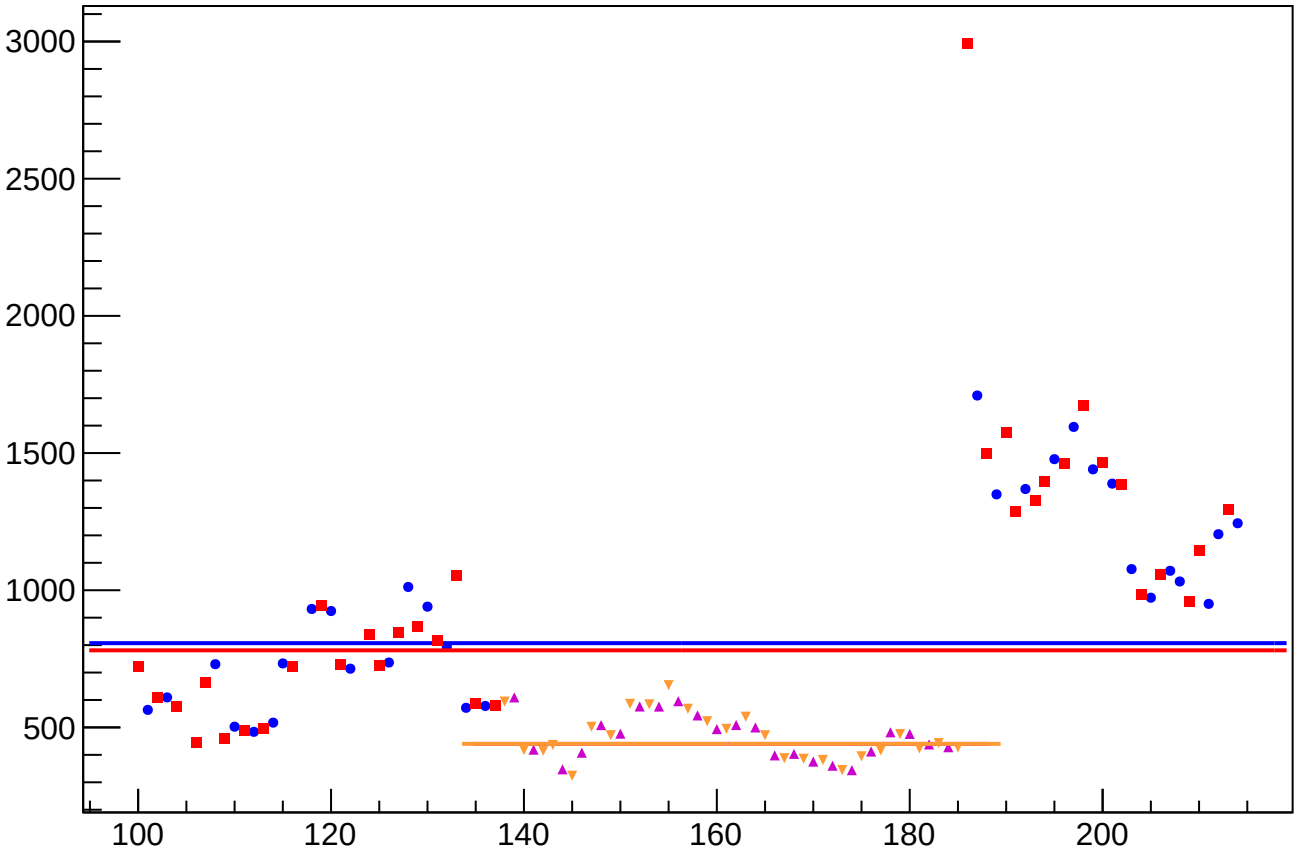
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -88.899+/-140.659 χ^2/NDF: 101.5/63

In: 52.271+/-92.847 χ^2/NDF:74.6/52

Out: 247.266+/-90.321 χ^2/NDF:134.1/58

All: 152.457+/-64.741 χ^2/NDF: 211.0/111



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

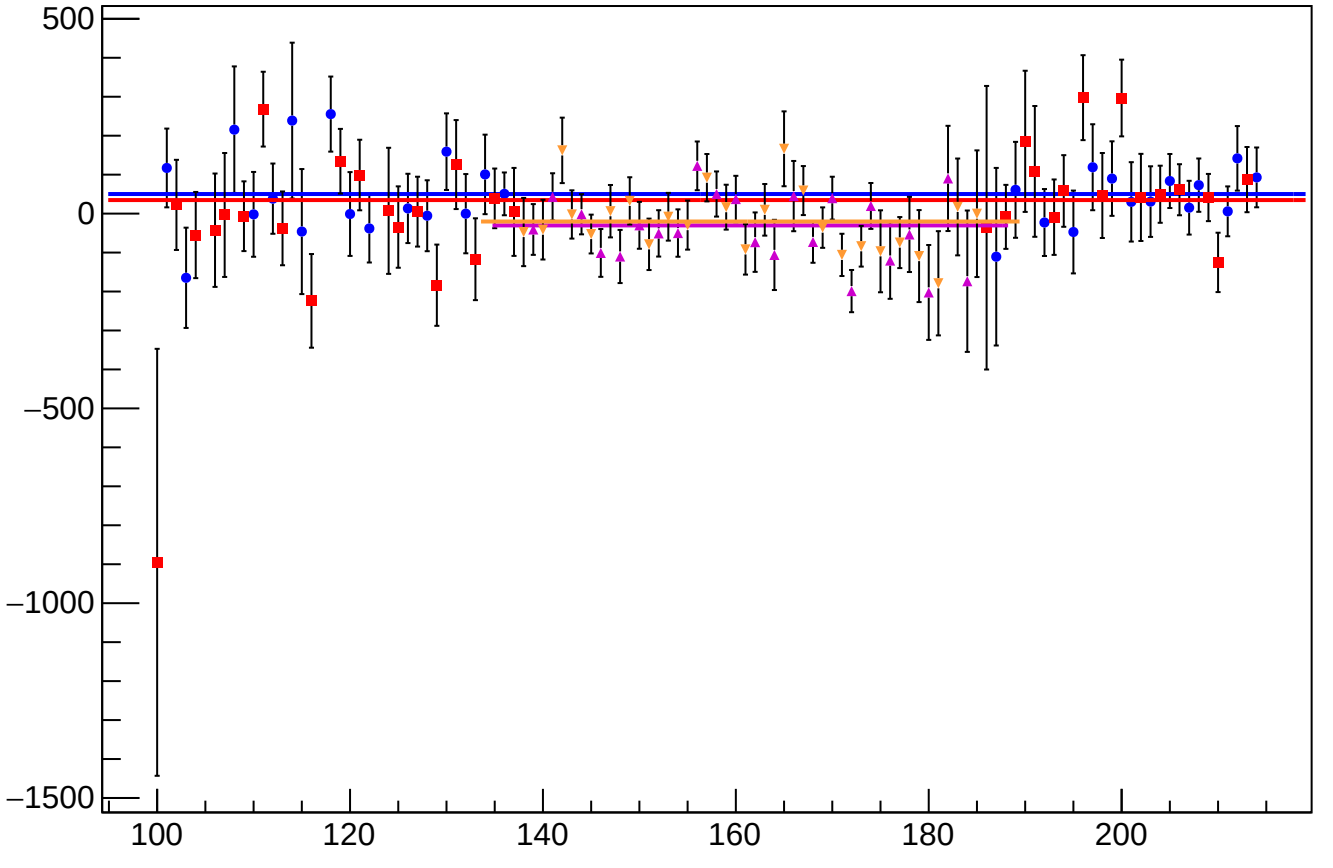
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 793.659+/-0.099 χ^2/NDF: 10536350.4/63

In: 517.456+/-0.066 χ^2/NDF:10736030.2/52

Out: 512.493+/-0.064 χ^2/NDF:12022469.3/58

All: 514.906+/-0.046 χ^2/NDF: 22761435.4/1



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

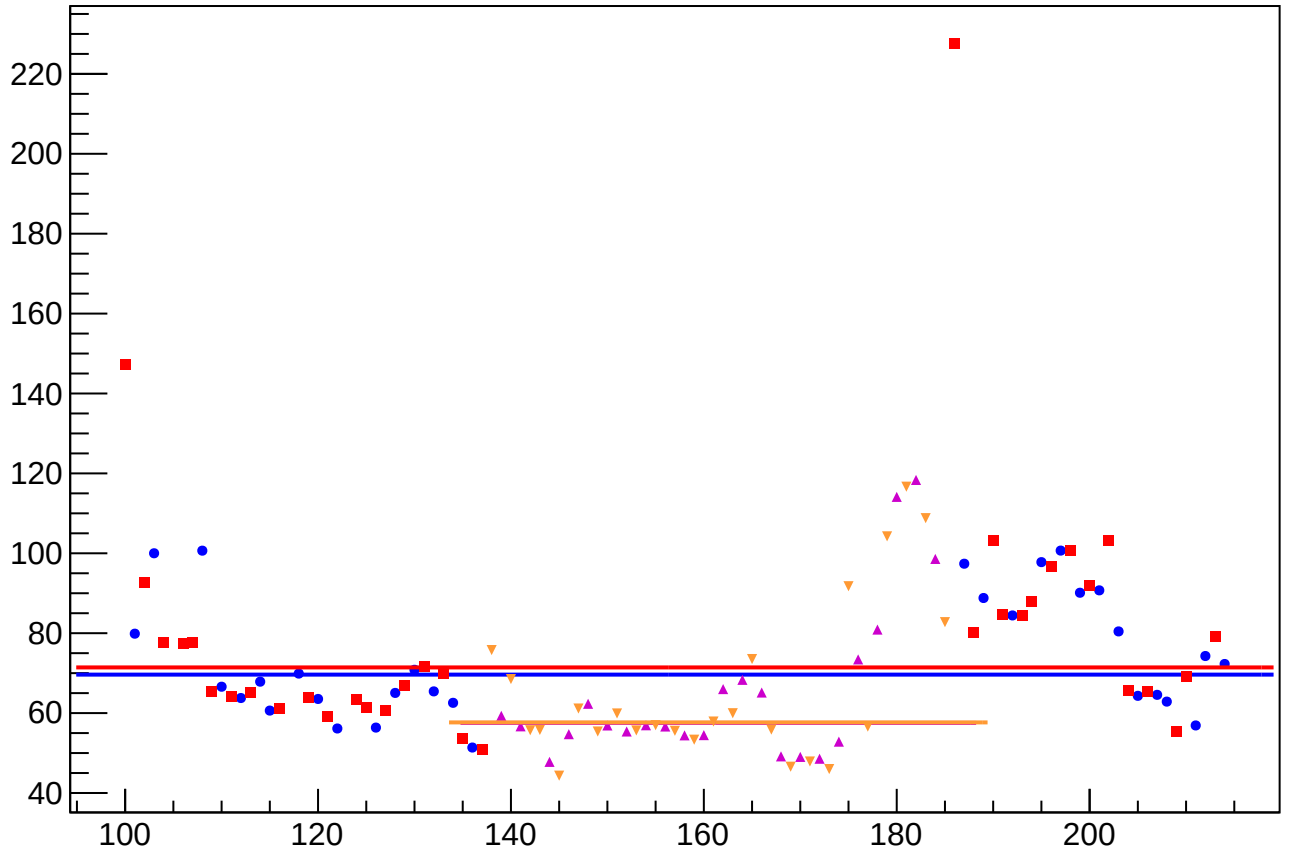
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 42.588+/-11.892 χ^2/NDF: 63.9/63

In: 2.825+/-10.725 χ^2/NDF:65.4/52

Out: 1.400+/-10.616 χ^2/NDF:75.9/58

All: 2.105+/-7.545 χ^2/NDF: 141.3/111



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

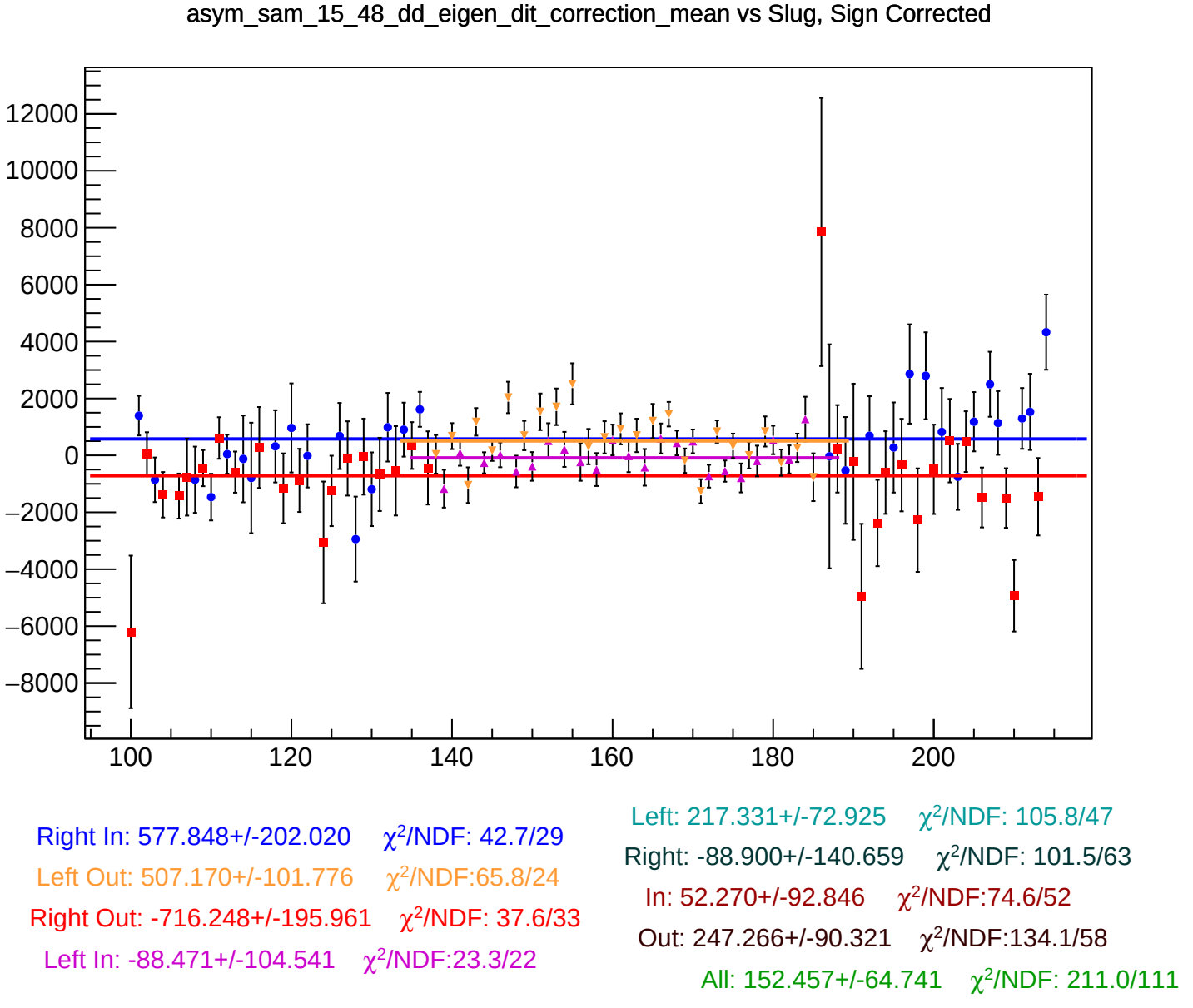
Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

Right: 70.521+/-0.008 χ^2/NDF: 3040332.2/63

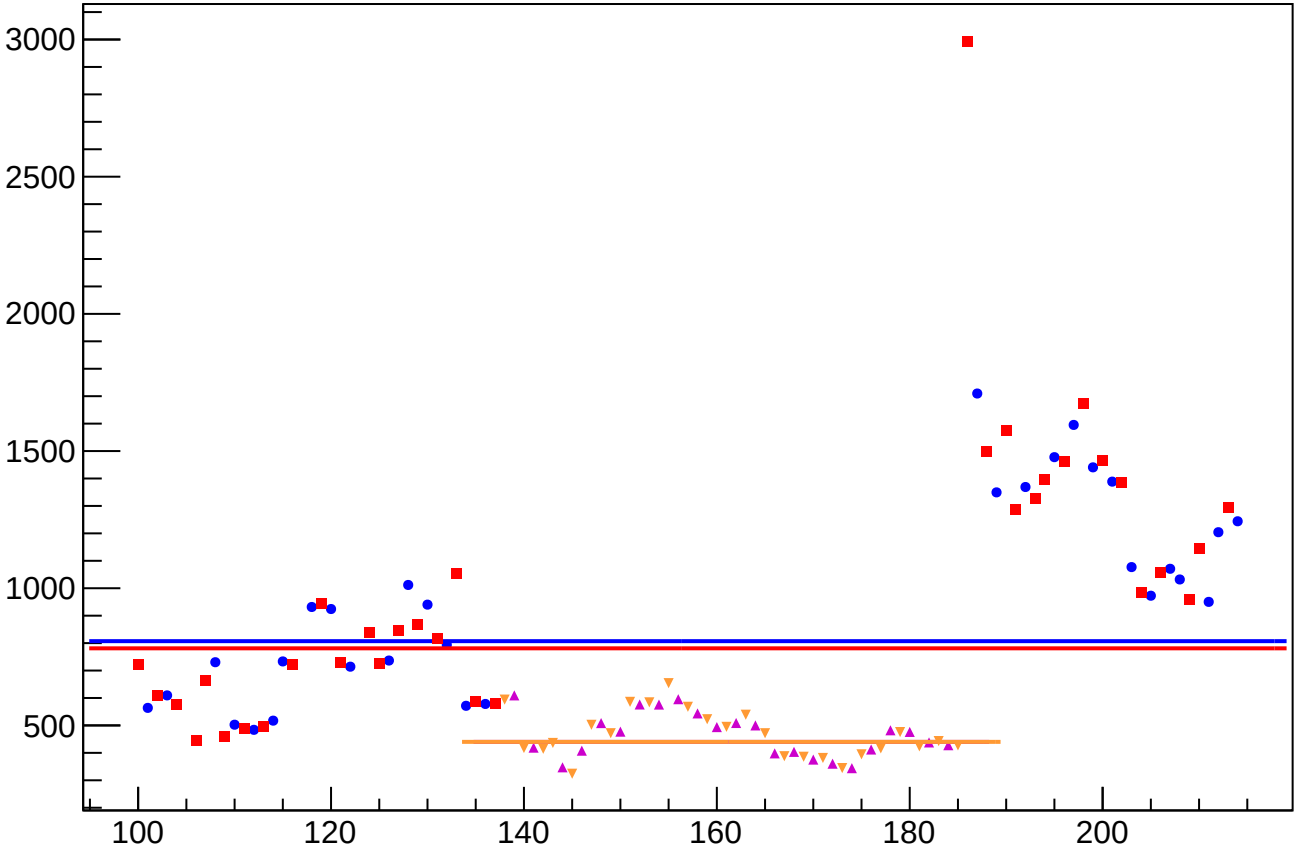
In: 62.513+/-0.008 χ^2/NDF:3389819.5/52

Out: 63.090+/-0.008 χ^2/NDF:4410084.4/58

All: 62.804+/-0.005 χ^2/NDF: 7802824.0/111


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: 577.848+/-202.020 χ²/NDF: 42.7/29
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: -716.248+/-195.961 χ²/NDF: 37.6/33
Left In: -88.471+/-104.541 χ²/NDF:23.3/22
Left: 217.331+/-72.925 χ²/NDF: 105.8/47
Right: -88.900+/-140.659 χ²/NDF: 101.5/63
In: 52.270+/-92.846 χ²/NDF:74.6/52
Out: 247.266+/-90.321 χ²/NDF:134.1/58
All: 152.457+/-64.741 χ²/NDF: 211.0/111

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

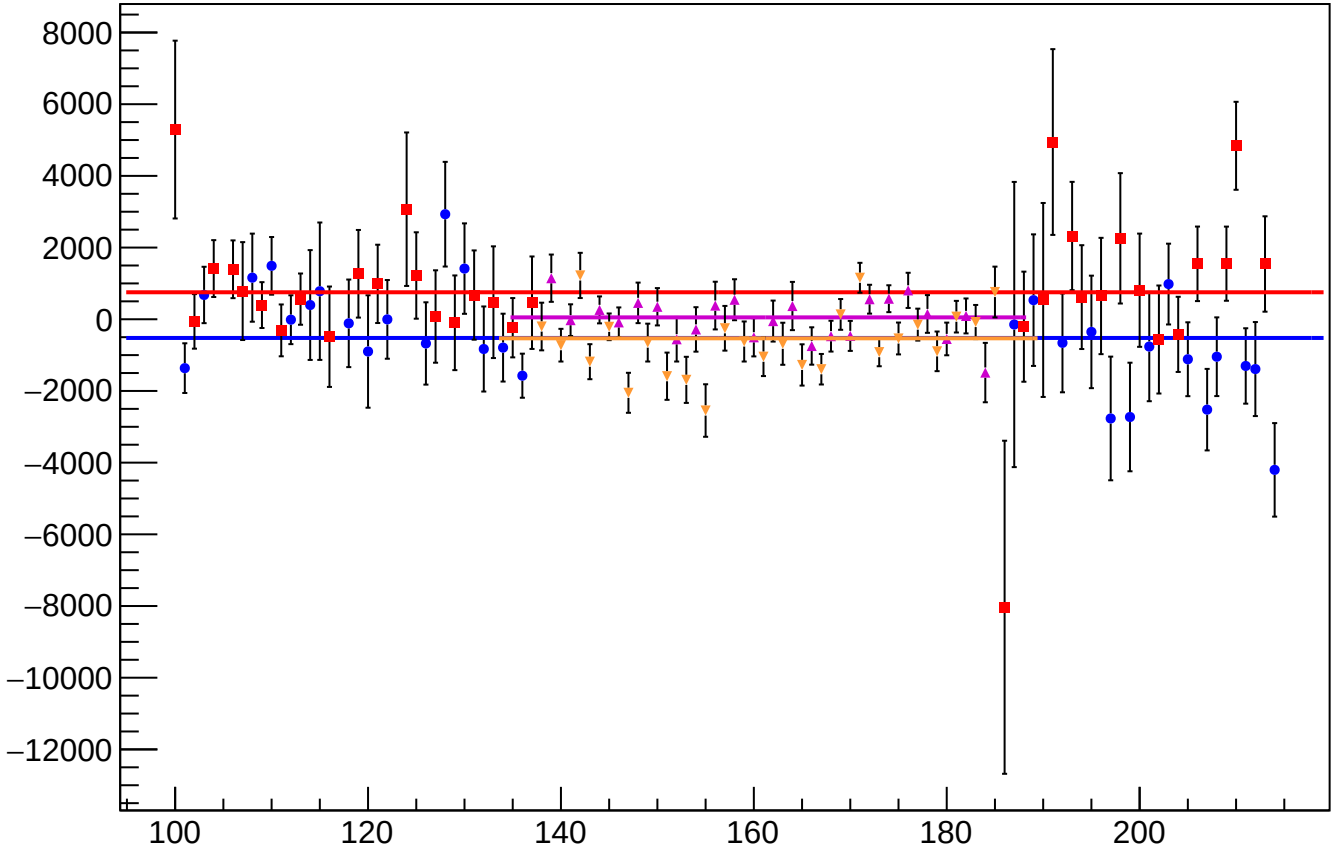
Right: 793.659+/-0.099 χ^2/NDF: 10536362.6/63

In: 517.454+/-0.066 χ^2/NDF:10736067.4/52

Out: 512.491+/-0.064 χ^2/NDF:12022501.6/58

All: 514.904+/-0.046 χ^2/NDF: 22761504.8/1

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

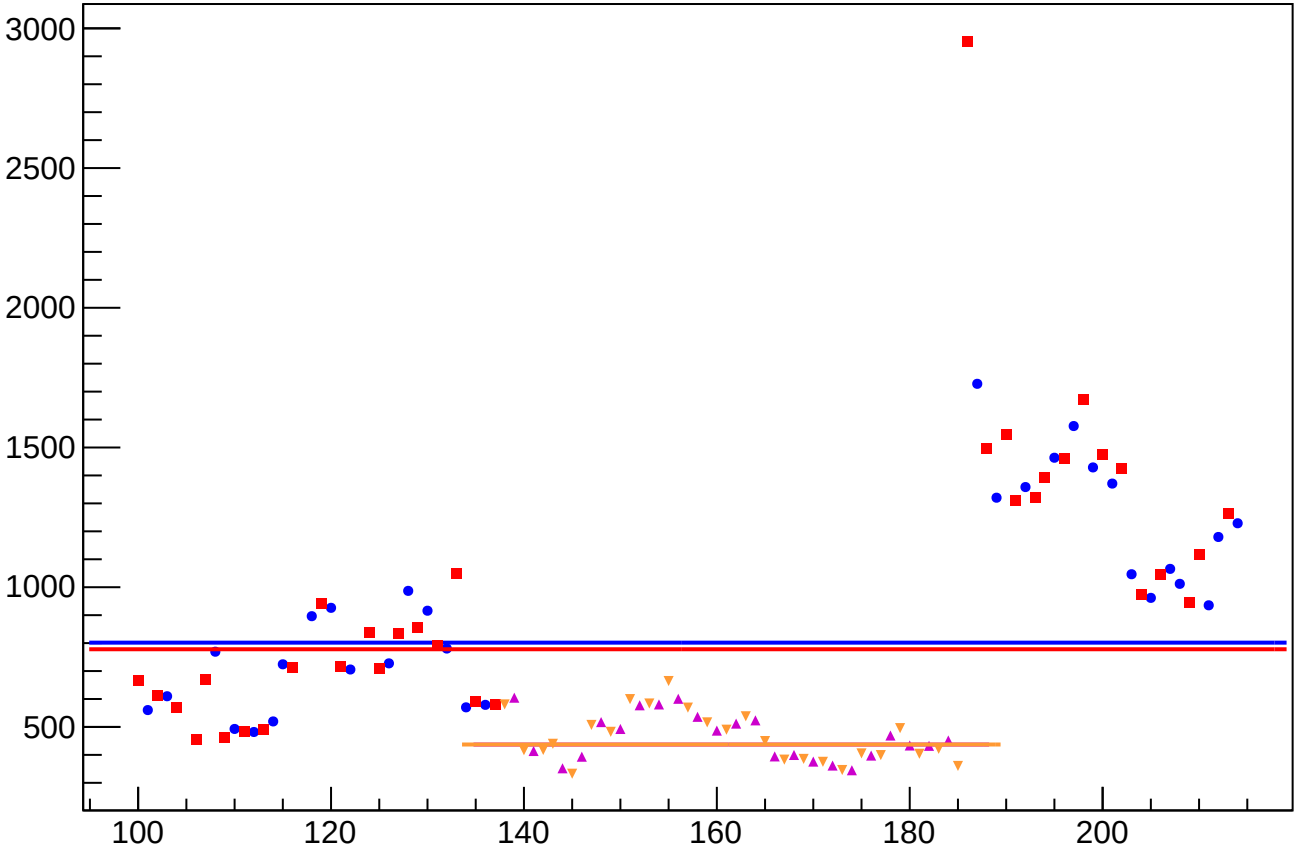
Right: 133.027+/-139.795 χ^2/NDF: 100.0/63

In: -68.975+/-92.223 χ^2/NDF:73.9/52

Out: -258.968+/-89.862 χ^2/NDF:135.6/58

All: -166.434+/-64.361 χ^2/NDF: 211.7/111

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

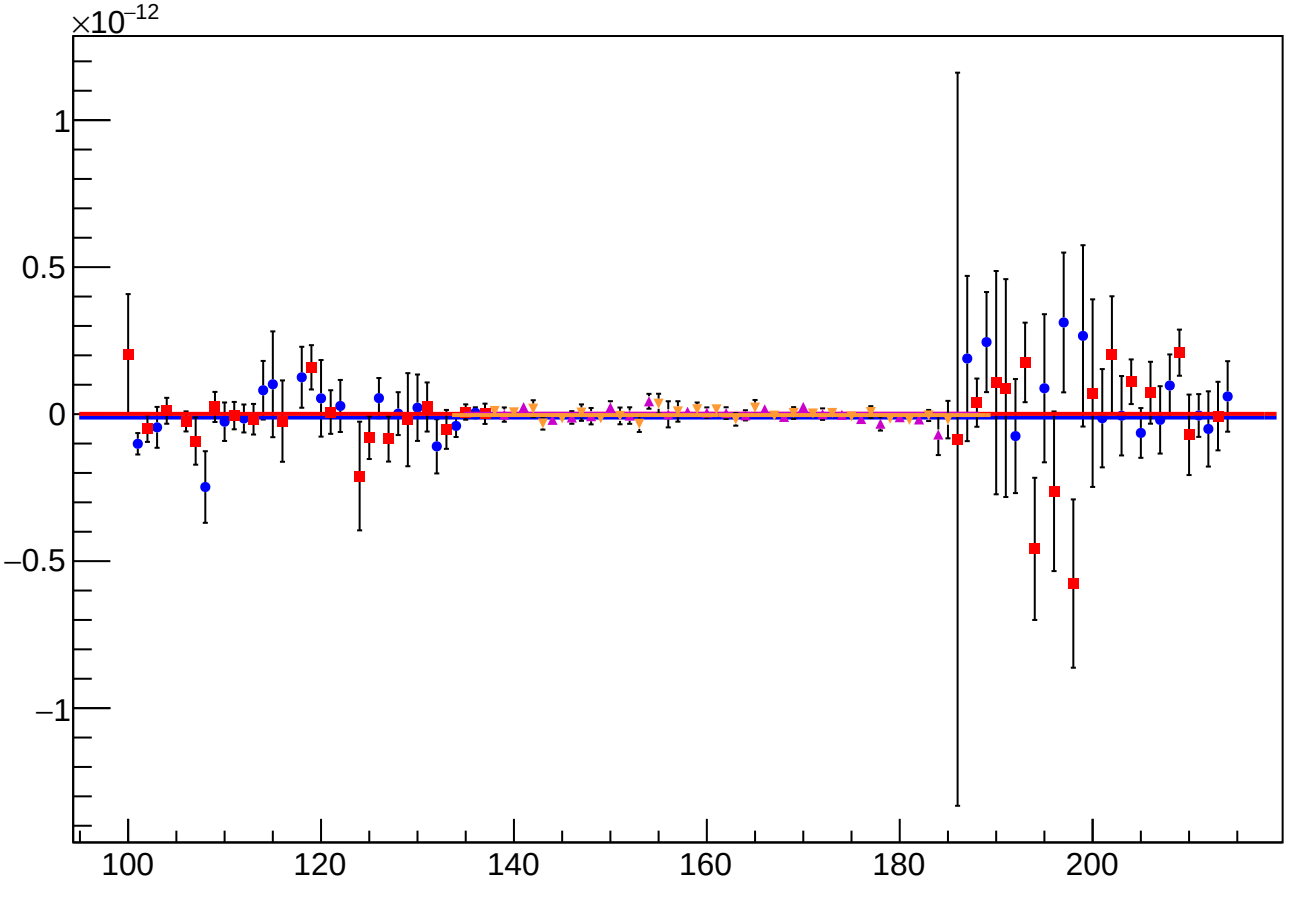
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 789.519+/-0.099 χ^2/NDF: 10374109.3/63

In: 514.149+/-0.065 χ^2/NDF:10660971.6/52

Out: 509.491+/-0.064 χ^2/NDF:12037324.2/58

All: 511.760+/-0.046 χ^2/NDF: 22700912.4/11



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

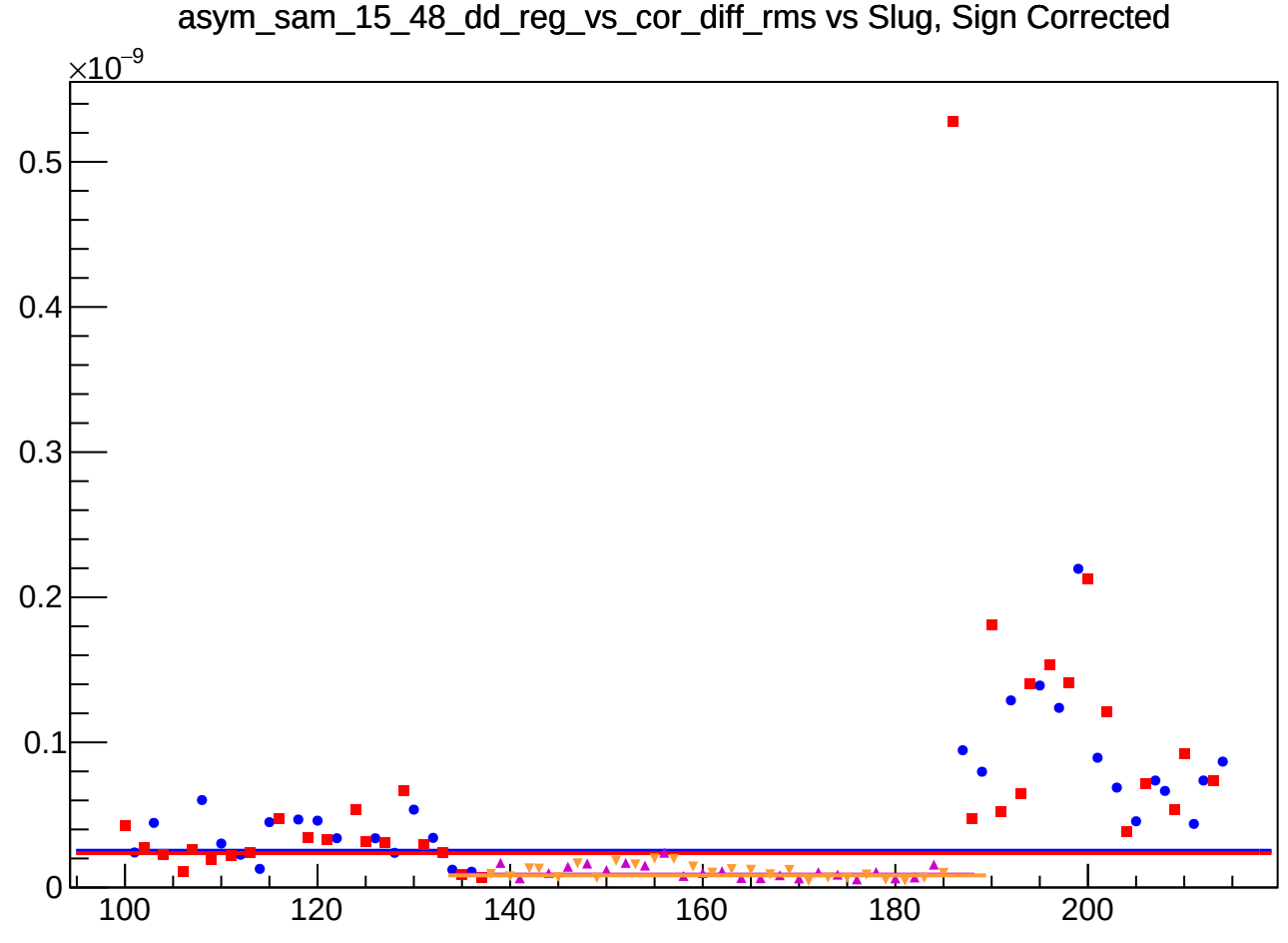
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

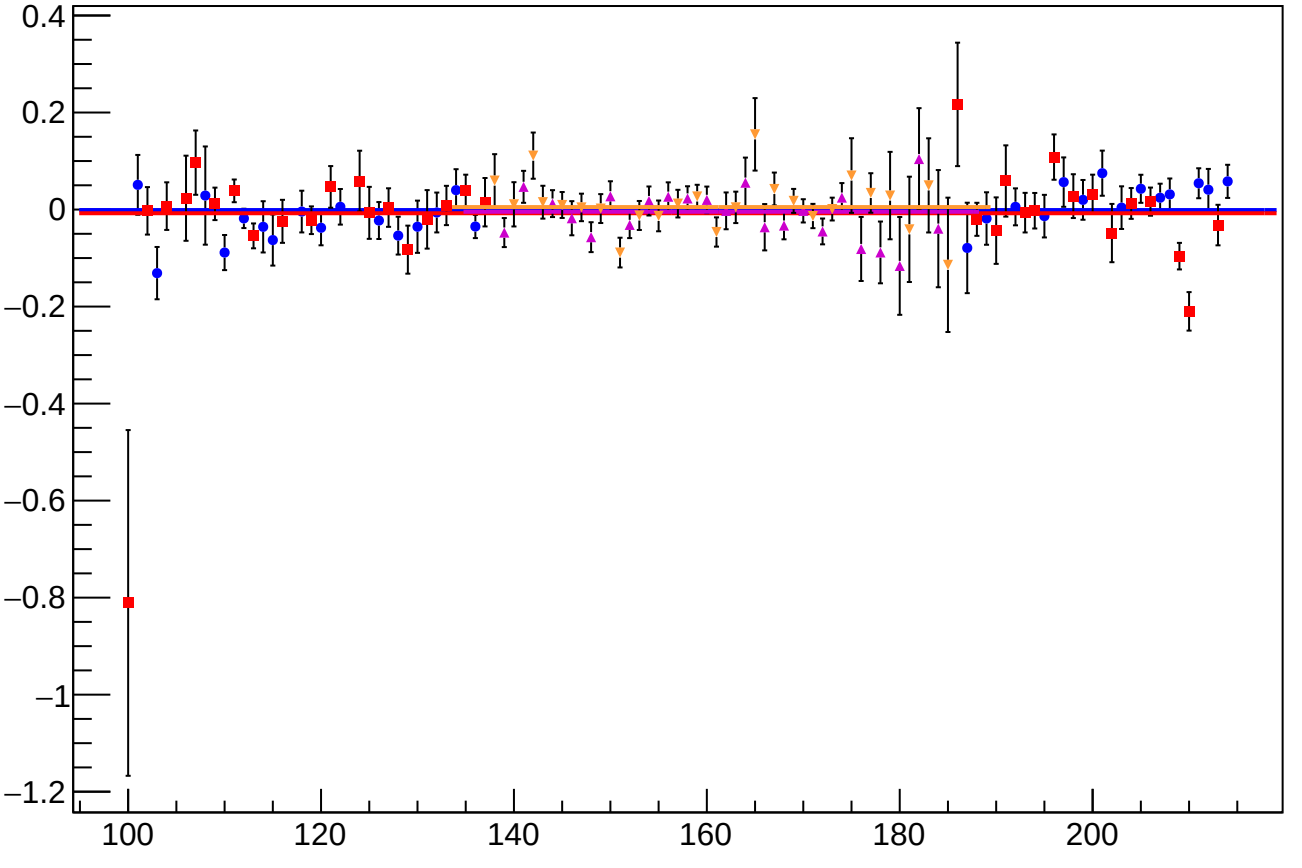
Right: -0.000+/-0.000 χ^2/NDF: 60.3/63

In: 0.000+/-0.000 χ^2/NDF:47.8/52

Out: -0.000+/-0.000 χ^2/NDF:49.5/58

All: -0.000+/-0.000 χ^2/NDF: 97.6/111


asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 6826828.7/29
Left Out: 0.000+/-0.000 χ²/NDF:2207304.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6945074.1/33
Left In: 0.000+/-0.000 χ²/NDF:1644276.1/22
Left: 0.000+/-0.000 χ²/NDF: 3869791.0/47
Right: 0.000+/-0.000 χ²/NDF: 13790762.1/63
In: 0.000+/-0.000 χ²/NDF:11998865.7/52
Out: 0.000+/-0.000 χ²/NDF:12444980.1/58
All: 0.000+/-0.000 χ²/NDF: 24481735.2/111



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

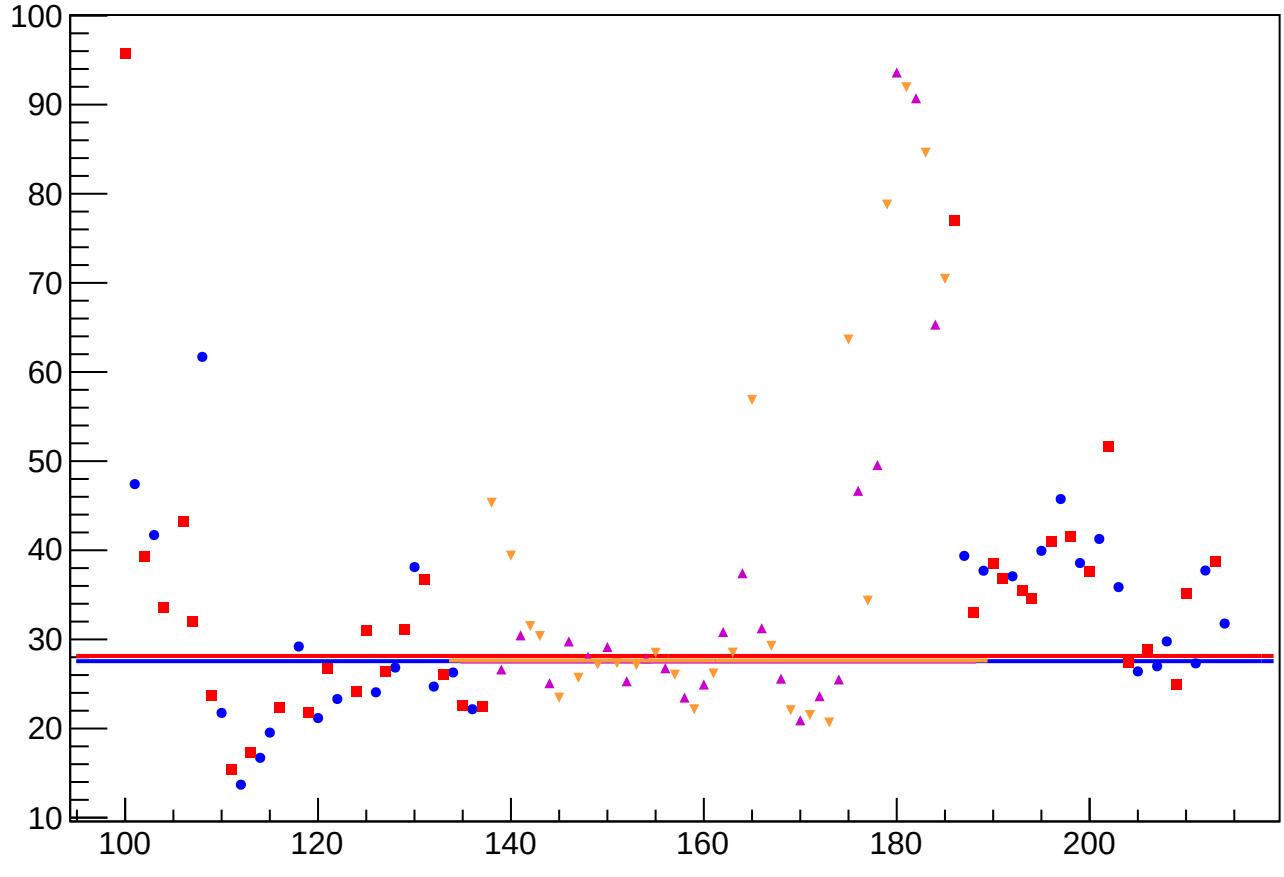
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.004+/-0.005 χ^2/NDF: 112.0/63

In: -0.003+/-0.005 χ^2/NDF:63.2/52

Out: -0.001+/-0.005 χ^2/NDF:103.7/58

All: -0.002+/-0.003 χ^2/NDF: 167.0/111



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

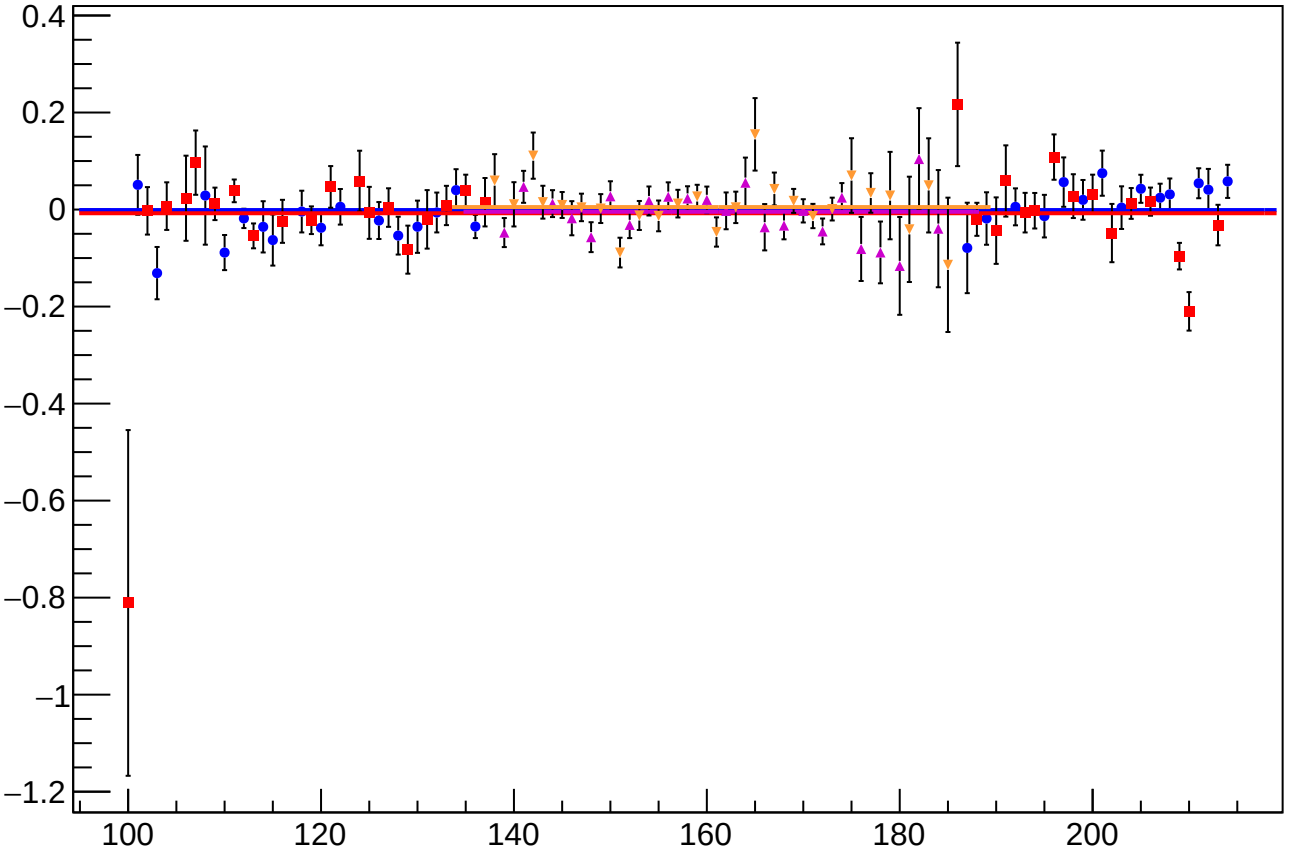
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.851+/-0.003 χ^2/NDF: 6262217.7/63

In: 27.541+/-0.003 χ^2/NDF:5844033.2/52

Out: 27.885+/-0.003 χ^2/NDF:7025182.9/58

All: 27.715+/-0.002 χ^2/NDF: 12874144.0/111



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

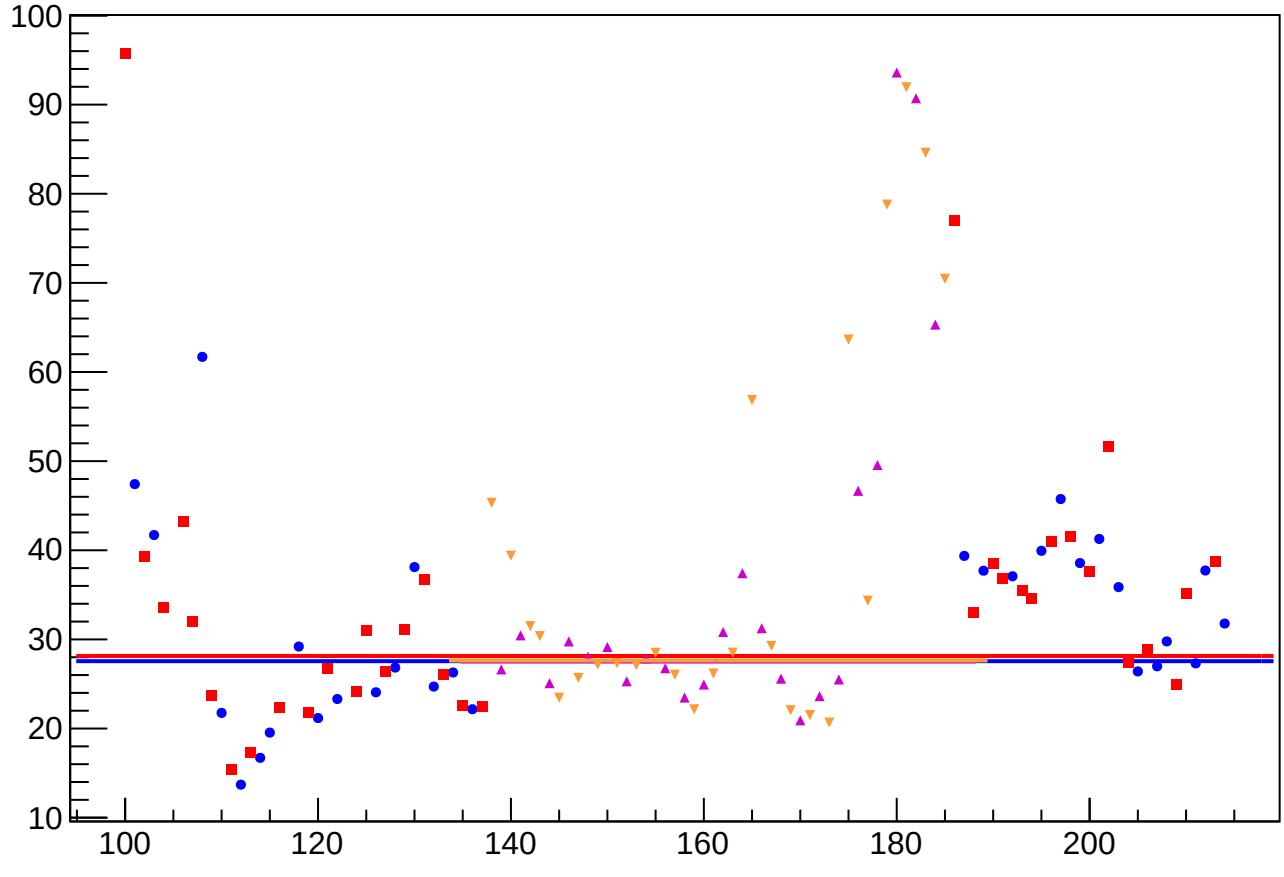
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.004+/-0.005 χ^2/NDF: 112.0/63

In: -0.003+/-0.005 χ^2/NDF:63.2/52

Out: -0.001+/-0.005 χ^2/NDF:103.7/58

All: -0.002+/-0.003 χ^2/NDF: 167.0/111



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

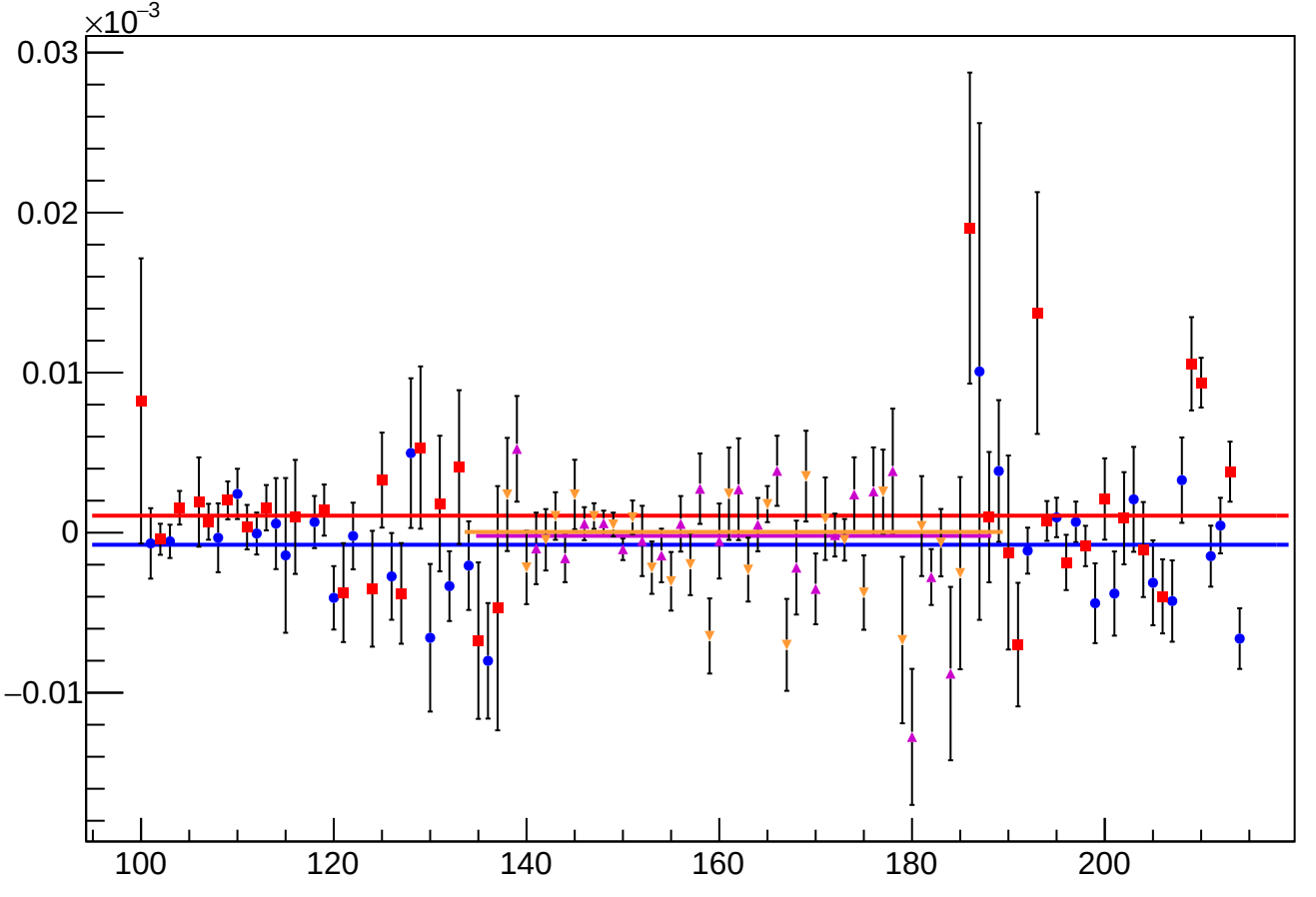
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.851+/-0.003 χ^2/NDF: 6262217.7/63

In: 27.541+/-0.003 χ^2/NDF:5844033.2/52

Out: 27.885+/-0.003 χ^2/NDF:7025182.9/58

All: 27.715+/-0.002 χ^2/NDF: 12874144.0/111



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

Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

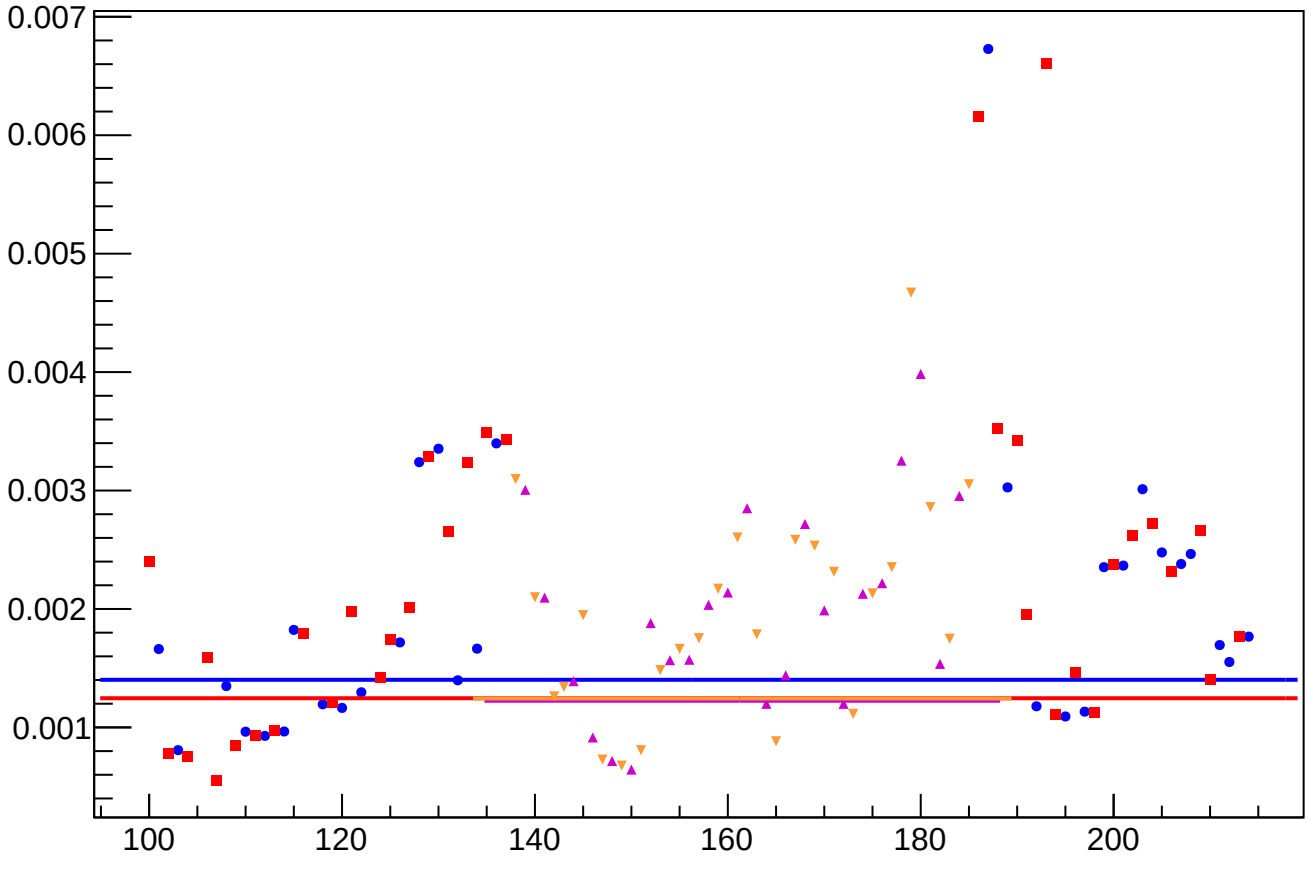
Right: 0.000+/-0.000 χ^2/NDF: 133.7/63

In: -0.000+/-0.000 χ^2/NDF:76.4/52

Out: 0.000+/-0.000 χ^2/NDF:120.1/58

All: 0.000+/-0.000 χ^2/NDF: 205.1/111

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

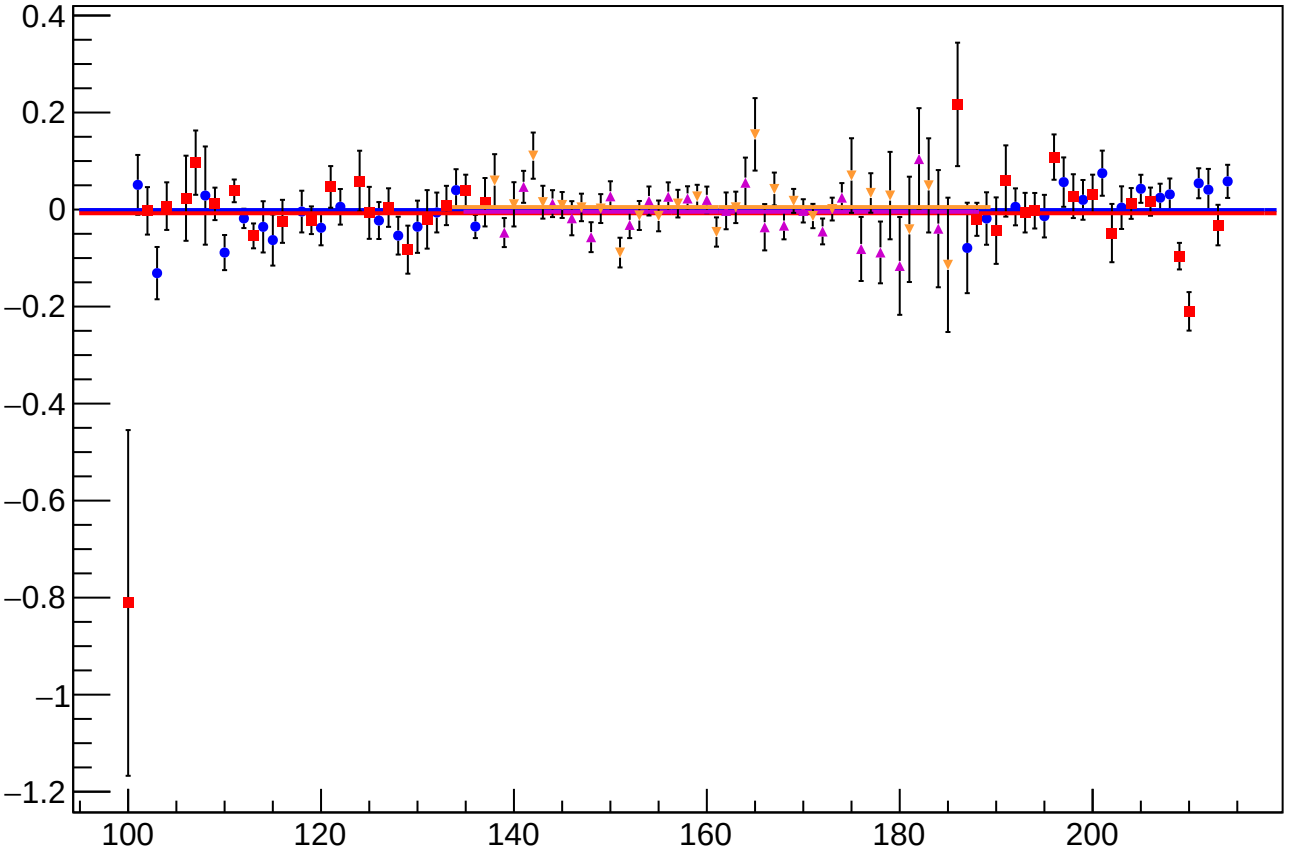
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 14560482.3/63

In: 0.001+/-0.000 χ^2/NDF:13520215.0/52

Out: 0.001+/-0.000 χ^2/NDF:17264309.3/58

All: 0.001+/-0.000 χ^2/NDF: 30847368.8/111



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

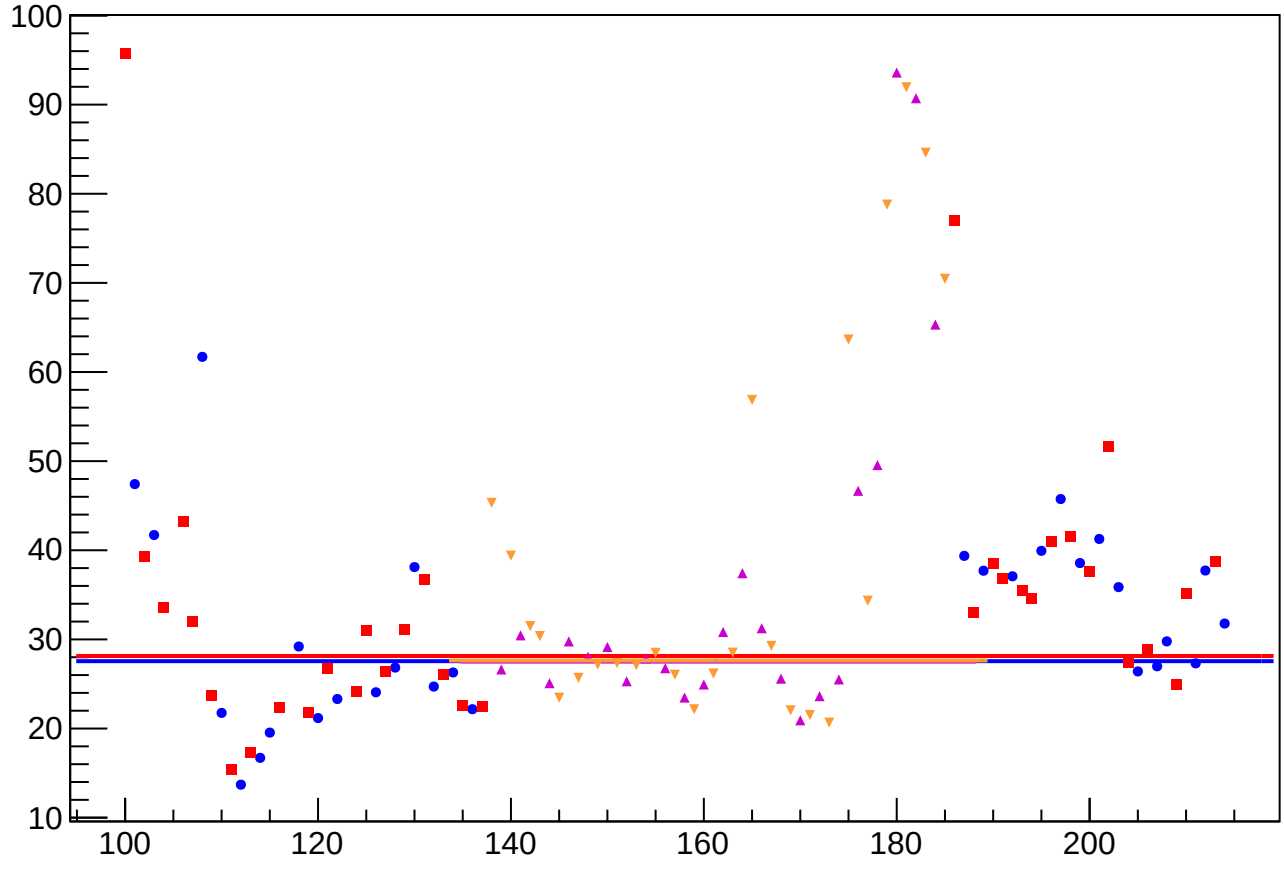
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.004+/-0.005 χ^2/NDF: 112.0/63

In: -0.003+/-0.005 χ^2/NDF:63.2/52

Out: -0.001+/-0.005 χ^2/NDF:103.7/58

All: -0.002+/-0.003 χ^2/NDF: 167.0/111



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

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

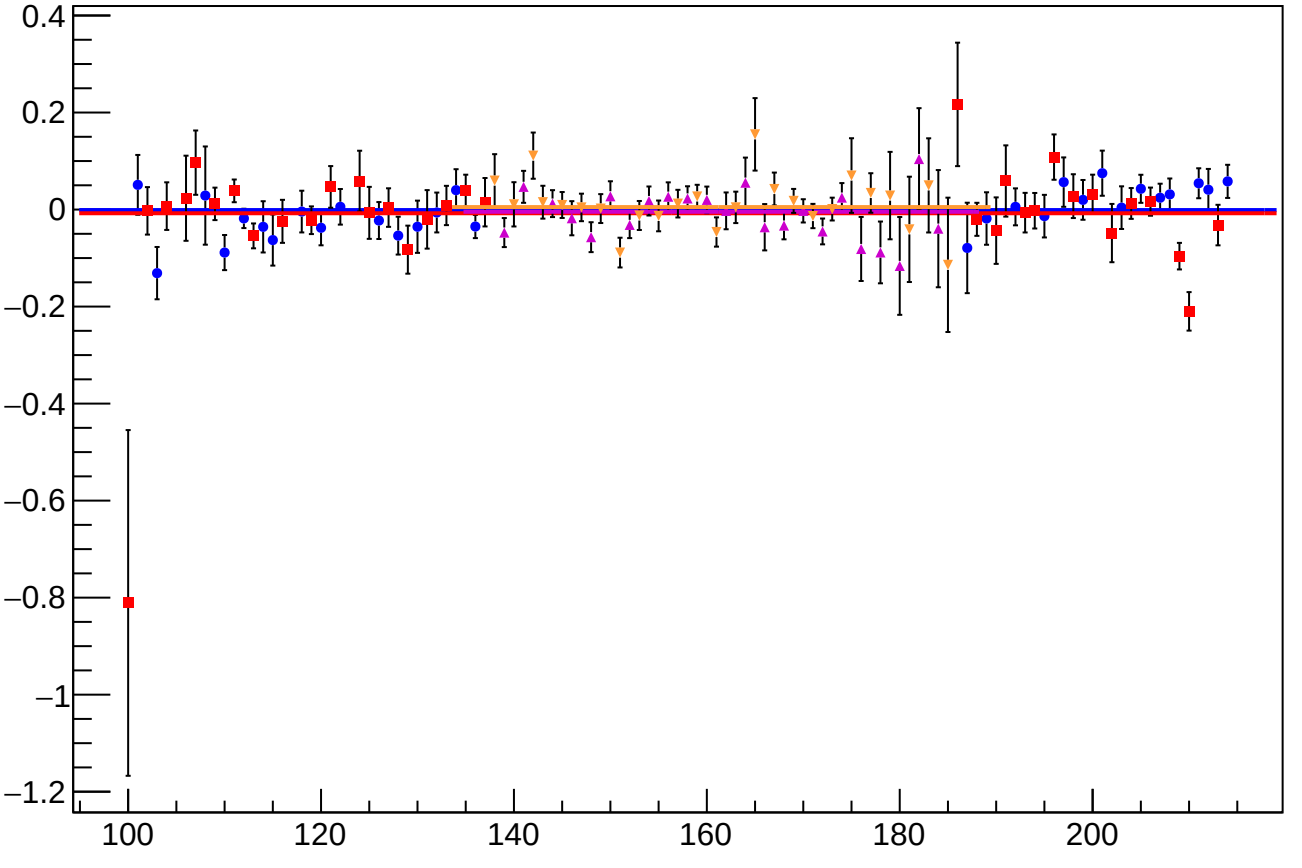
Right: 27.851+/-0.003 χ^2/NDF: 6262315.9/63

In: 27.542+/-0.003 χ^2/NDF:5844004.4/52

Out: 27.885+/-0.003 χ^2/NDF:7025210.0/58

All: 27.715+/-0.002 χ^2/NDF: 12874143.9/111

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

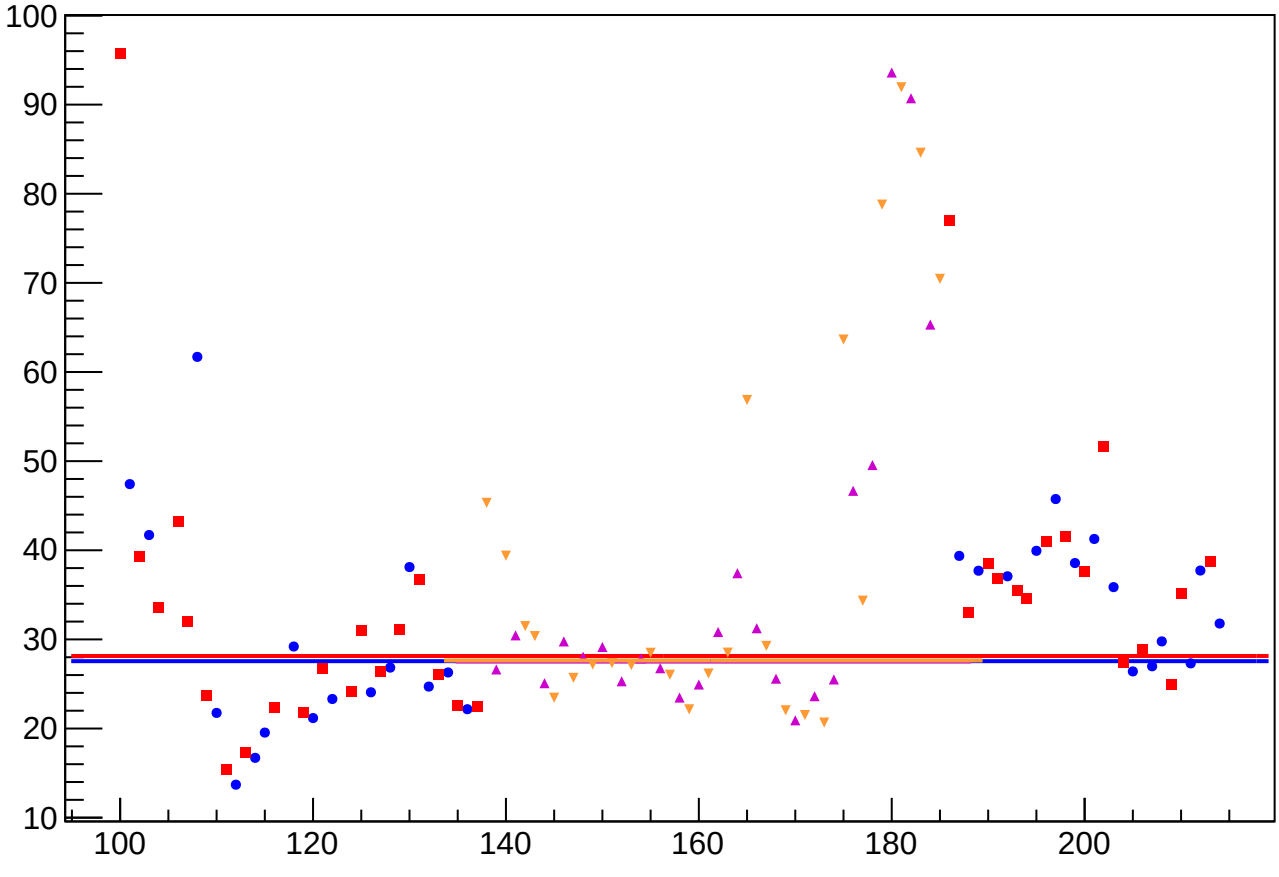
Right: -0.004+/-0.005 χ^2/NDF: 112.0/63

In: -0.003+/-0.005 χ^2/NDF:63.2/52

Out: -0.001+/-0.005 χ^2/NDF:103.7/58

All: -0.002+/-0.003 χ^2/NDF: 167.0/111

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

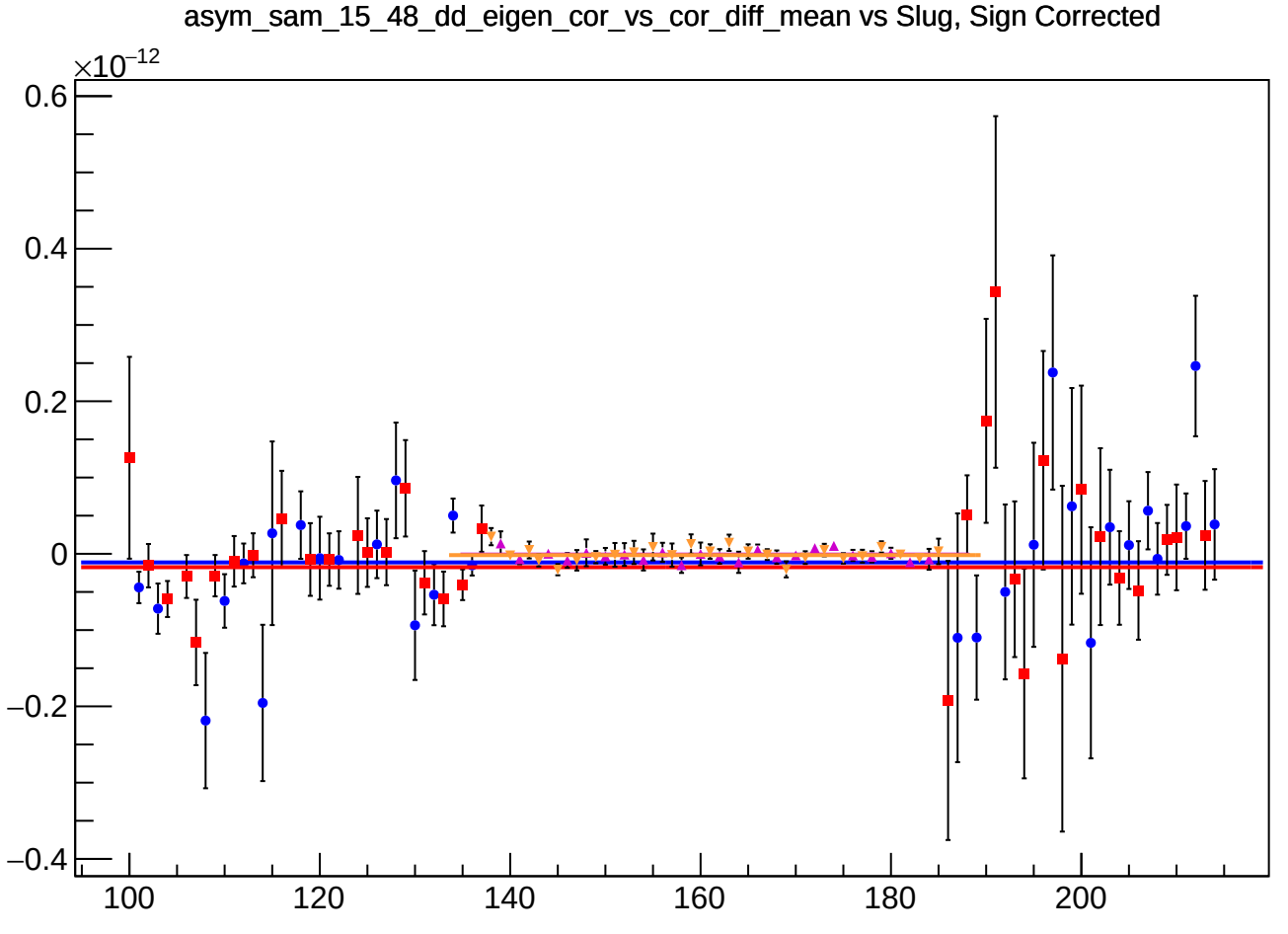
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.851+/-0.003 χ^2/NDF: 6262315.9/63

In: 27.542+/-0.003 χ^2/NDF:5844004.4/52

Out: 27.885+/-0.003 χ^2/NDF:7025210.0/58

All: 27.715+/-0.002 χ^2/NDF: 12874143.9/111



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

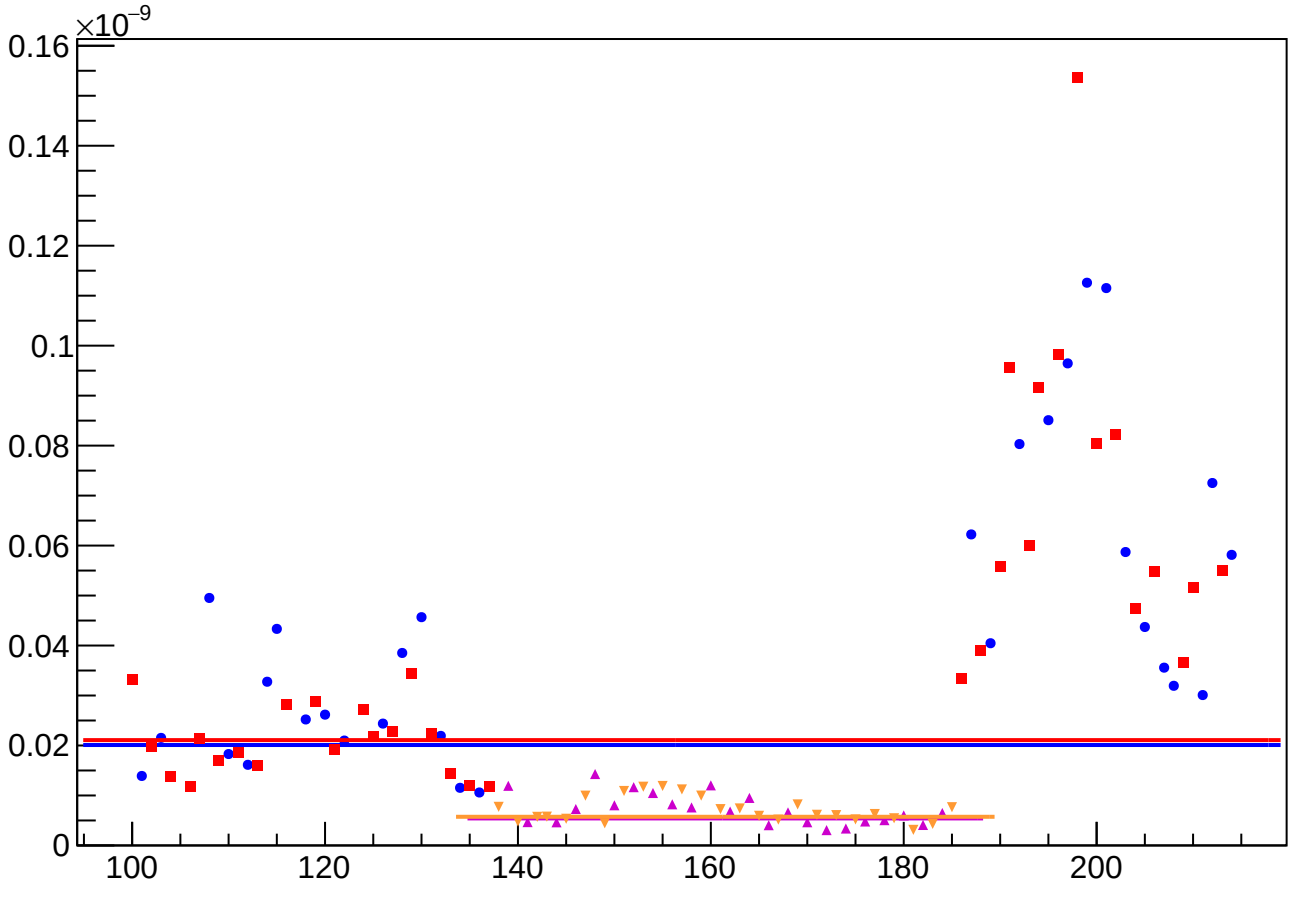
Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

Right: -0.000+/-0.000 χ^2/NDF: 78.0/63

In: -0.000+/-0.000 χ^2/NDF:66.1/52

Out: -0.000+/-0.000 χ^2/NDF:58.8/58

All: -0.000+/-0.000 χ^2/NDF: 125.0/111



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

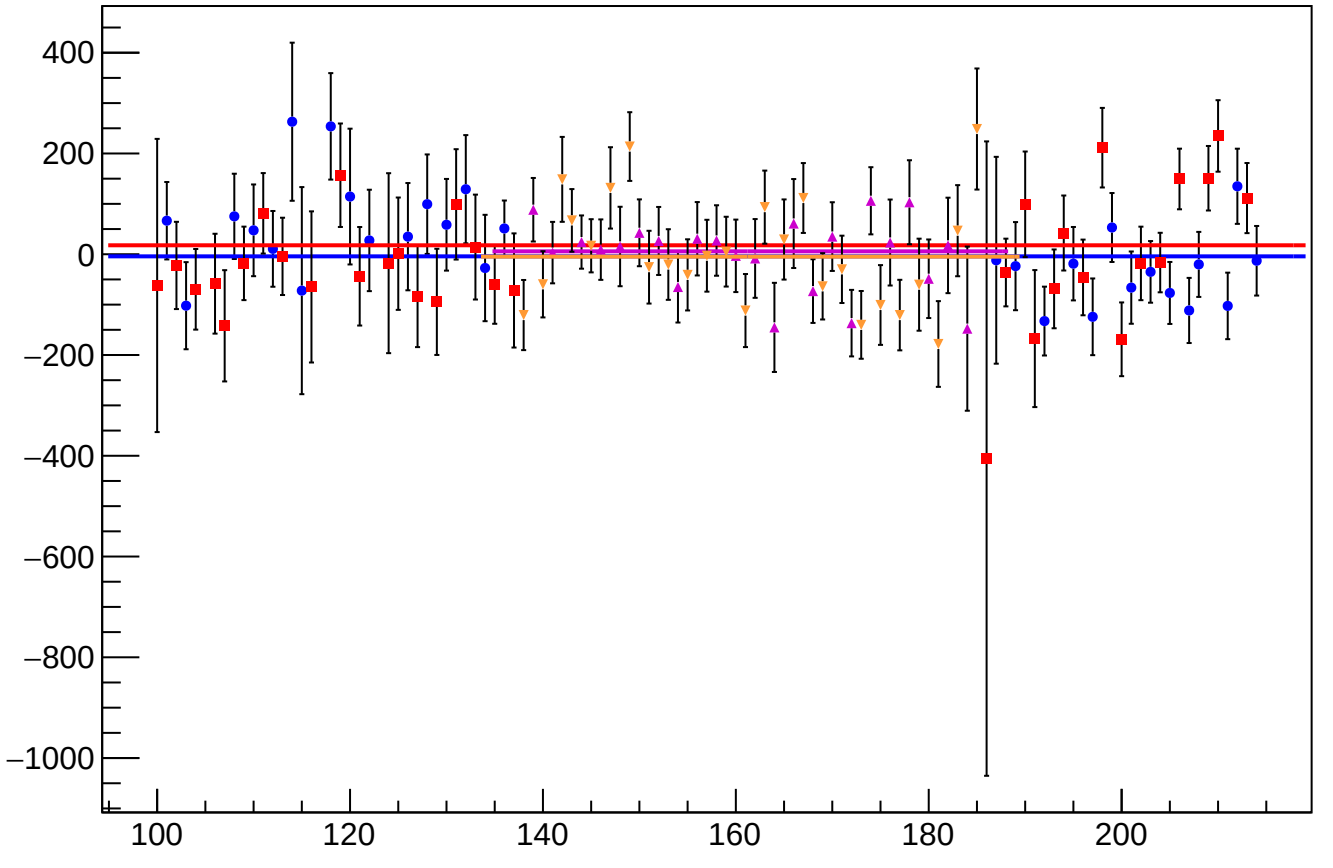
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15042928.7/63

In: 0.000+/-0.000 χ^2/NDF:19350246.7/52

Out: 0.000+/-0.000 χ^2/NDF:17797943.2/58

All: 0.000+/-0.000 χ^2/NDF: 37187503.2/111



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

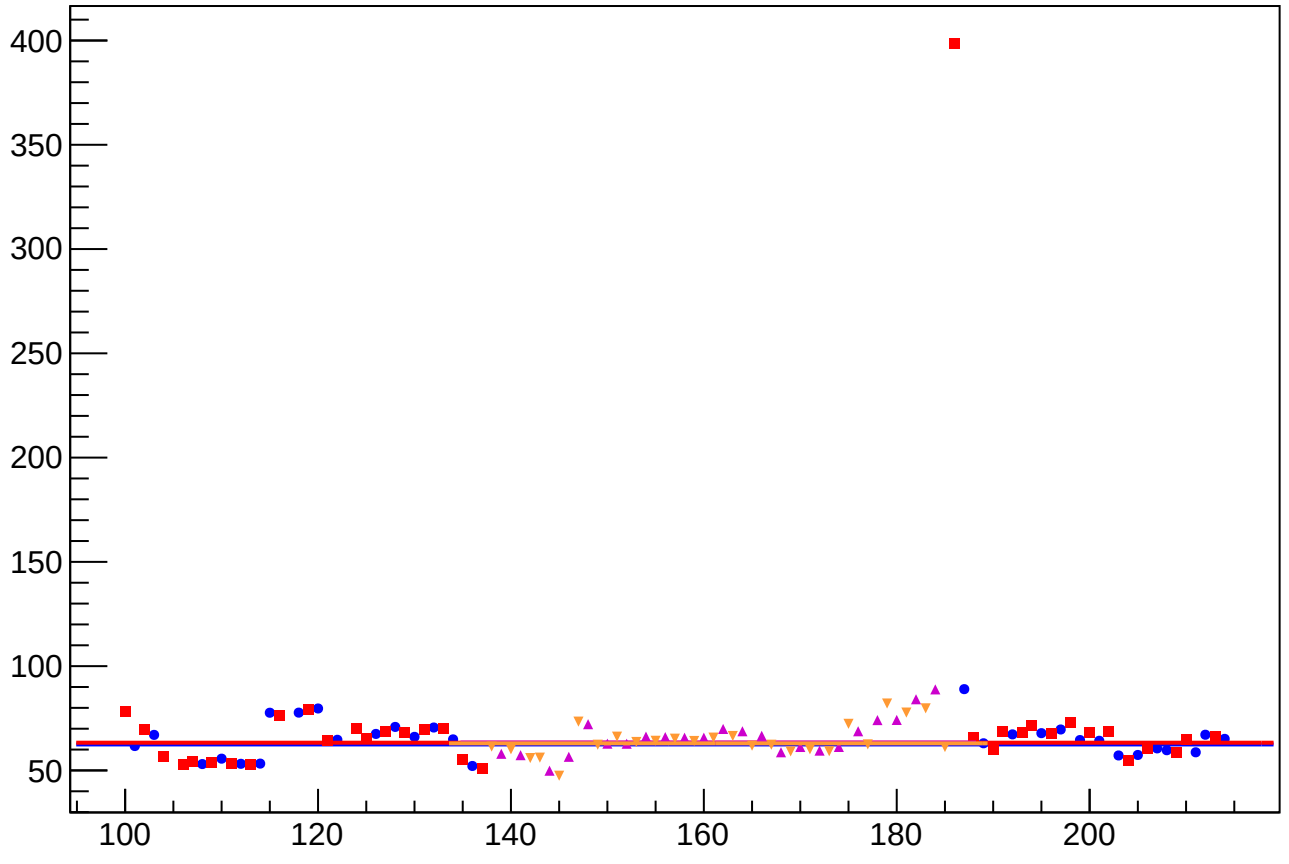
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 6.757+/-10.409 χ^2/NDF: 87.4/63

In: 0.716+/-10.475 χ^2/NDF:53.8/52

Out: 6.272+/-10.313 χ^2/NDF:99.6/58

All: 3.537+/-7.349 χ^2/NDF: 153.5/111



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

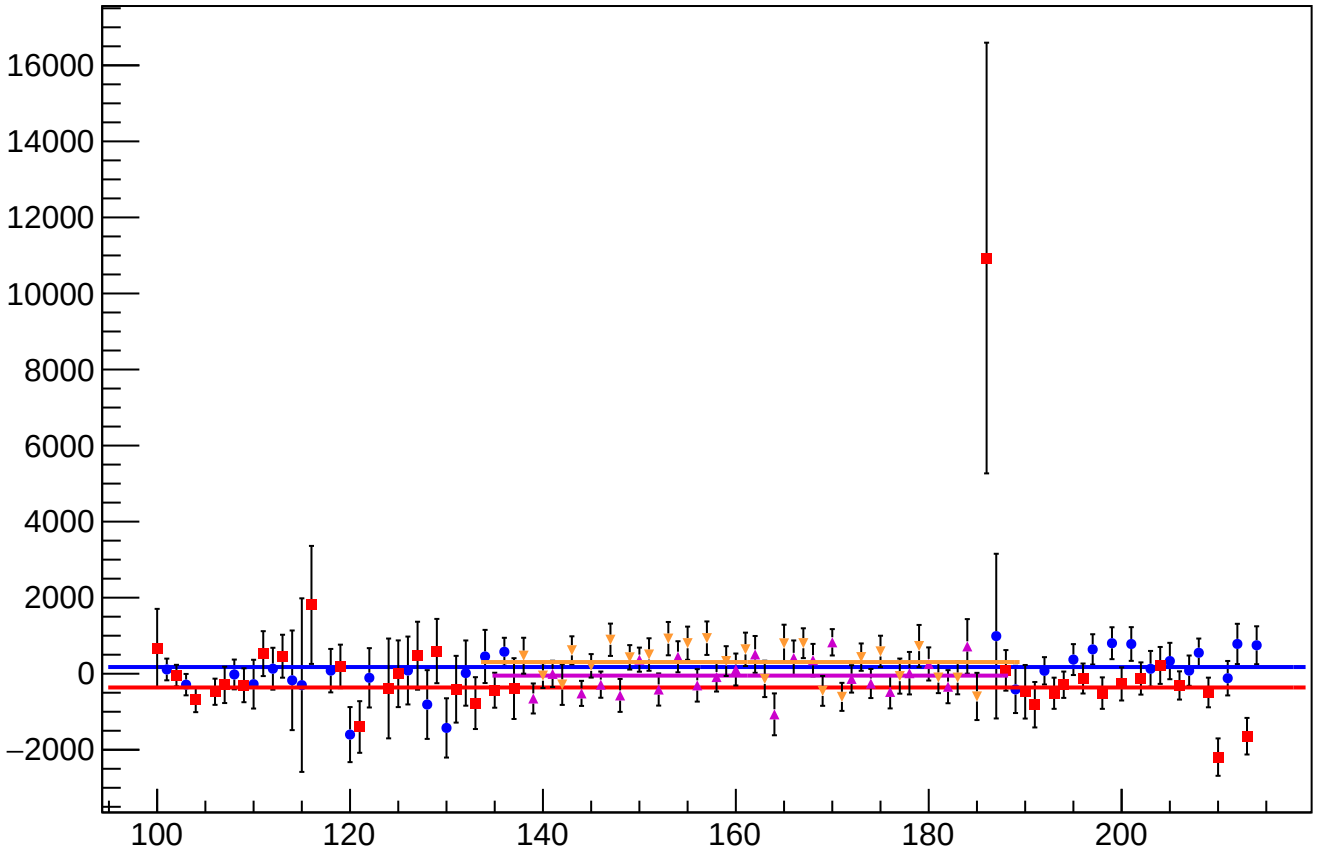
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 62.874+/-0.007 χ^2/NDF: 1428322.7/63

In: 62.904+/-0.007 χ^2/NDF:896495.4/52

Out: 63.132+/-0.007 χ^2/NDF:1556615.7/58

All: 63.020+/-0.005 χ^2/NDF: 2453589.7/111



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

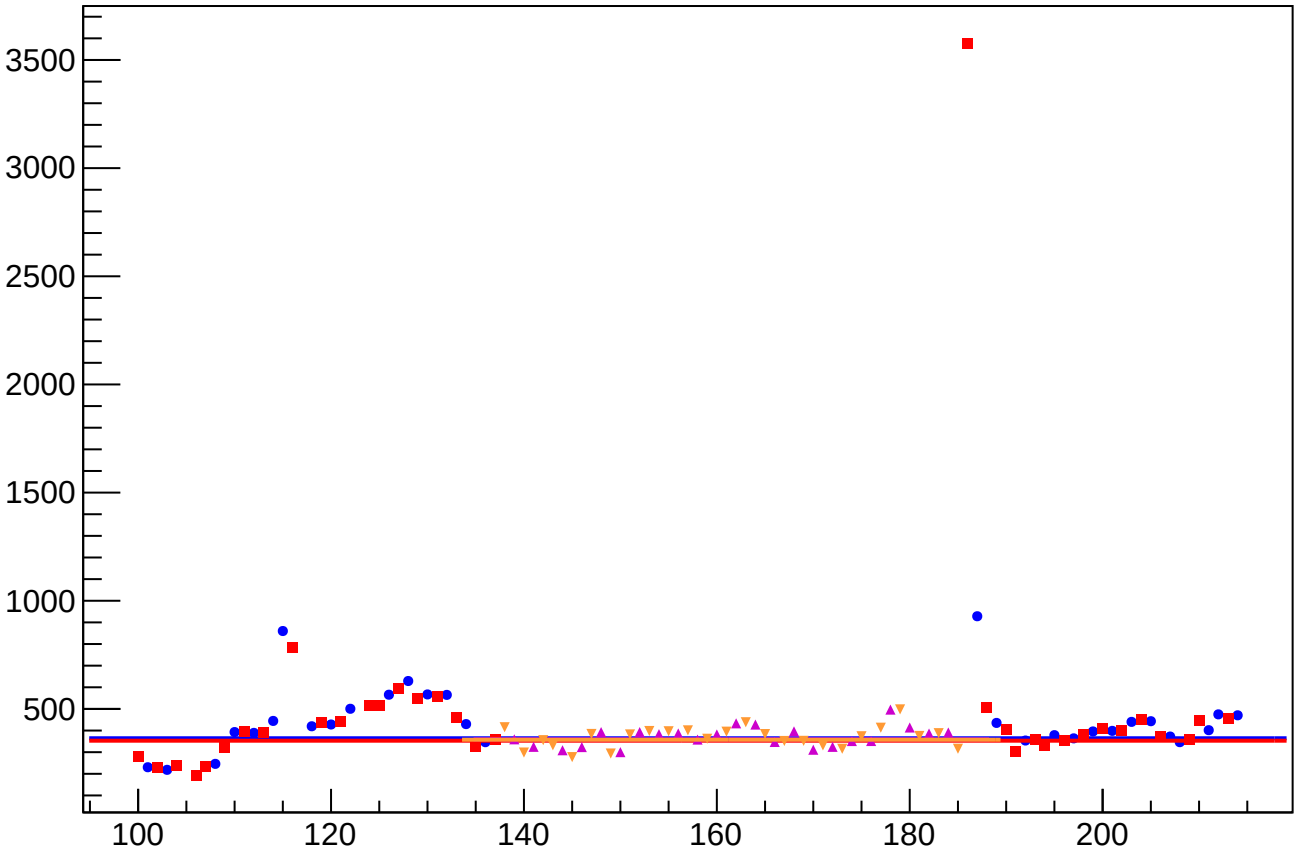
Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

Right: -103.967+/-61.257 χ^2/NDF: 91.3/63

In: 58.061+/-61.218 χ^2/NDF:58.3/52

Out: -17.011+/-59.130 χ^2/NDF:107.1/58

All: 19.223+/-42.530 χ^2/NDF: 166.1/111



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

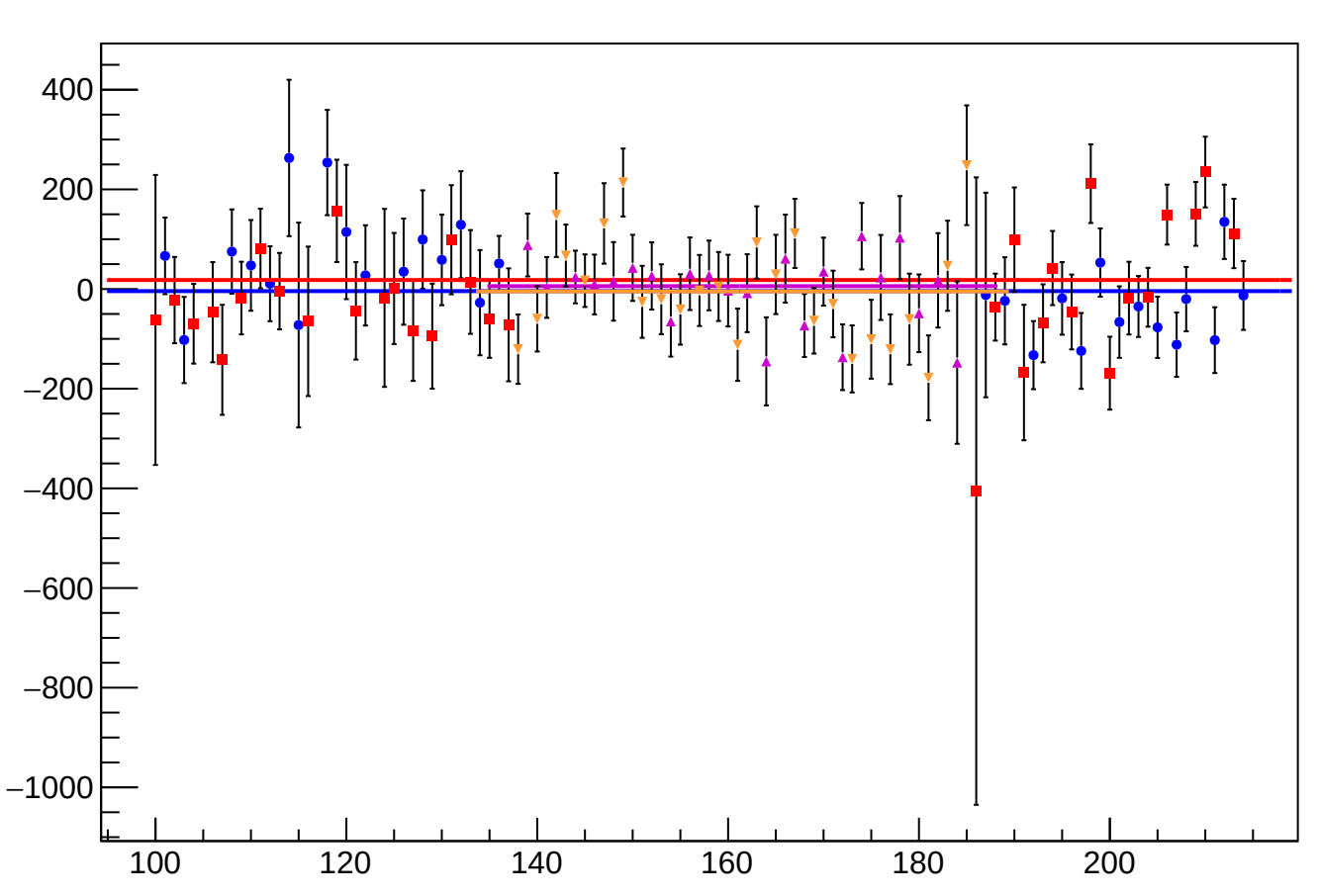
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 358.501+/-0.043 χ^2/NDF: 5580176.2/63

In: 361.750+/-0.043 χ^2/NDF:2922827.1/52

Out: 355.486+/-0.042 χ^2/NDF:3850378.6/58

All: 358.509+/-0.030 χ^2/NDF: 6784041.3/111



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

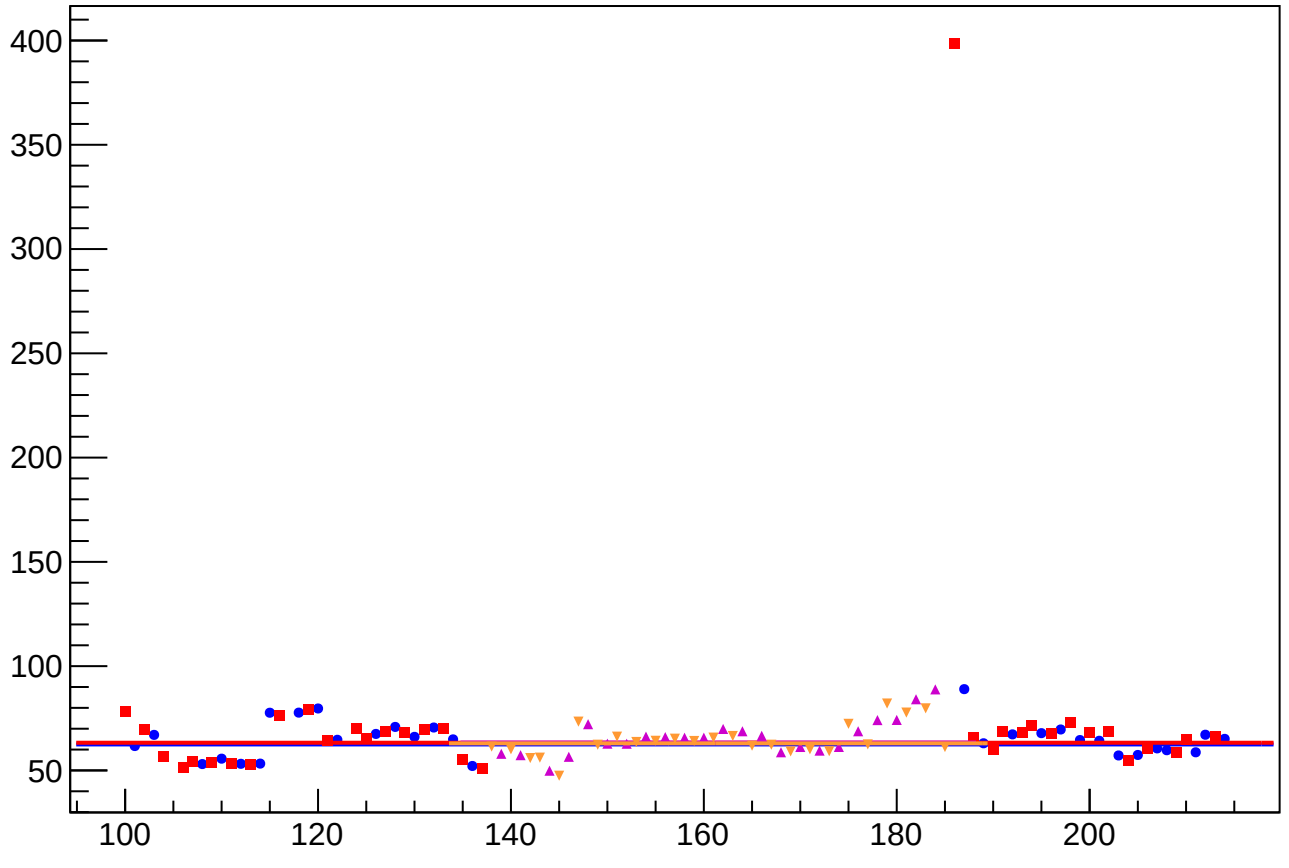
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 6.903+/-10.411 χ^2/NDF: 87.2/63

In: 0.713+/-10.475 χ^2/NDF:53.8/52

Out: 6.415+/-10.315 χ^2/NDF:99.4/58

All: 3.608+/-7.350 χ^2/NDF: 153.3/111



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

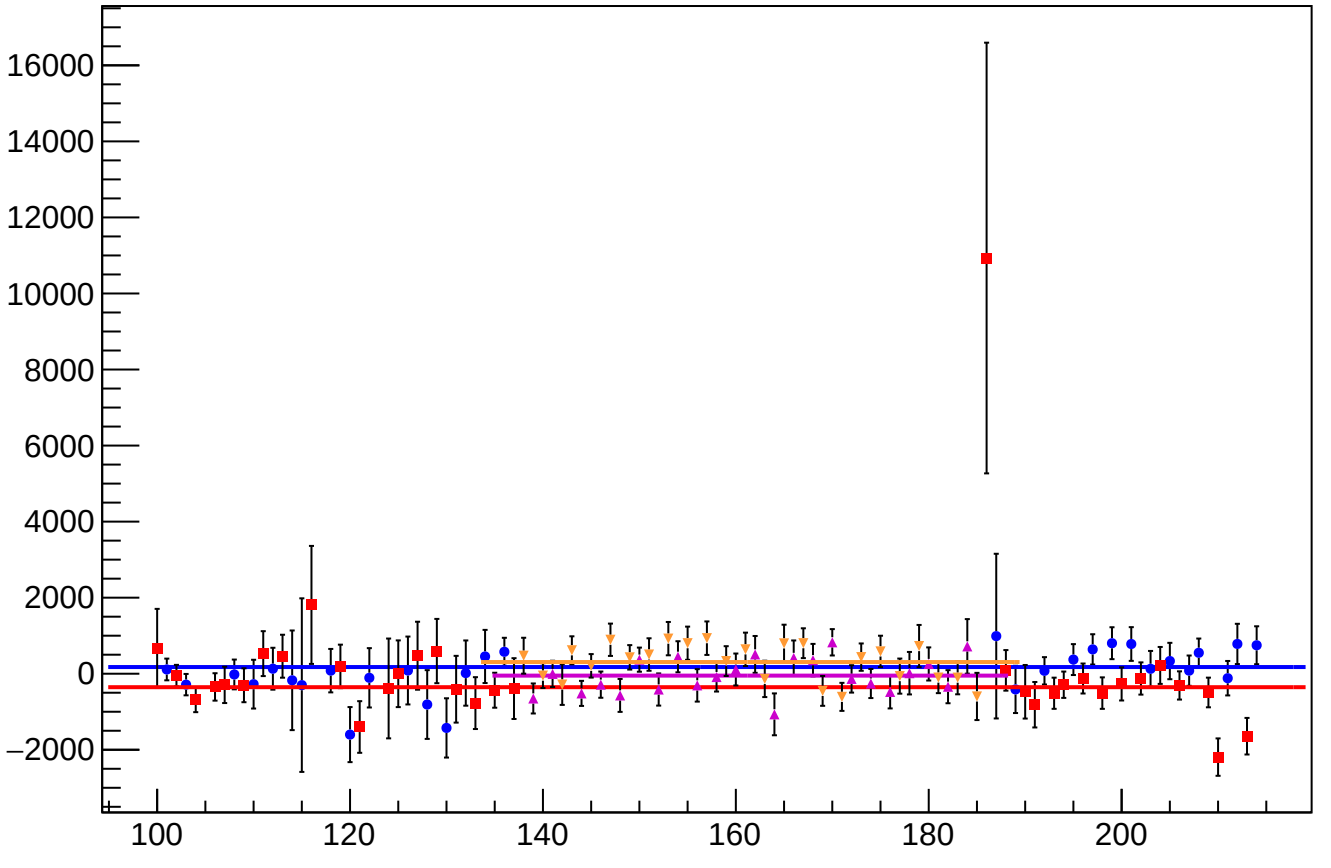
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.866+/-0.007 χ^2/NDF: 1432314.2/63

In: 62.904+/-0.007 χ^2/NDF:896495.6/52

Out: 63.124+/-0.007 χ^2/NDF:1560683.5/58

All: 63.016+/-0.005 χ^2/NDF: 2457625.2/111



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

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

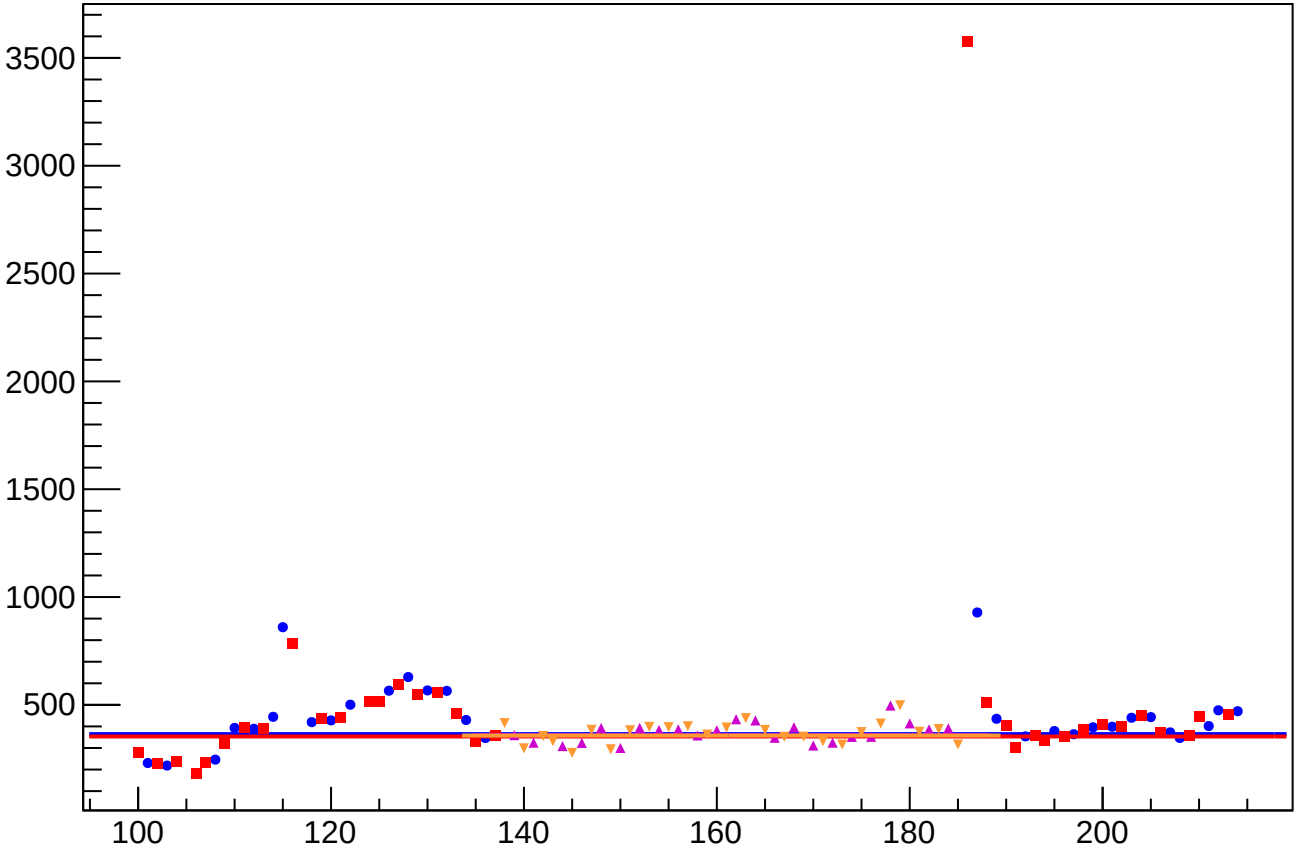
Right: -99.335+/-61.344 χ^2/NDF: 90.6/63

In: 58.064+/-61.218 χ^2/NDF:58.3/52

Out: -12.472+/-59.208 χ^2/NDF:106.1/58

All: 21.619+/-42.559 χ^2/NDF: 165.1/111

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



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

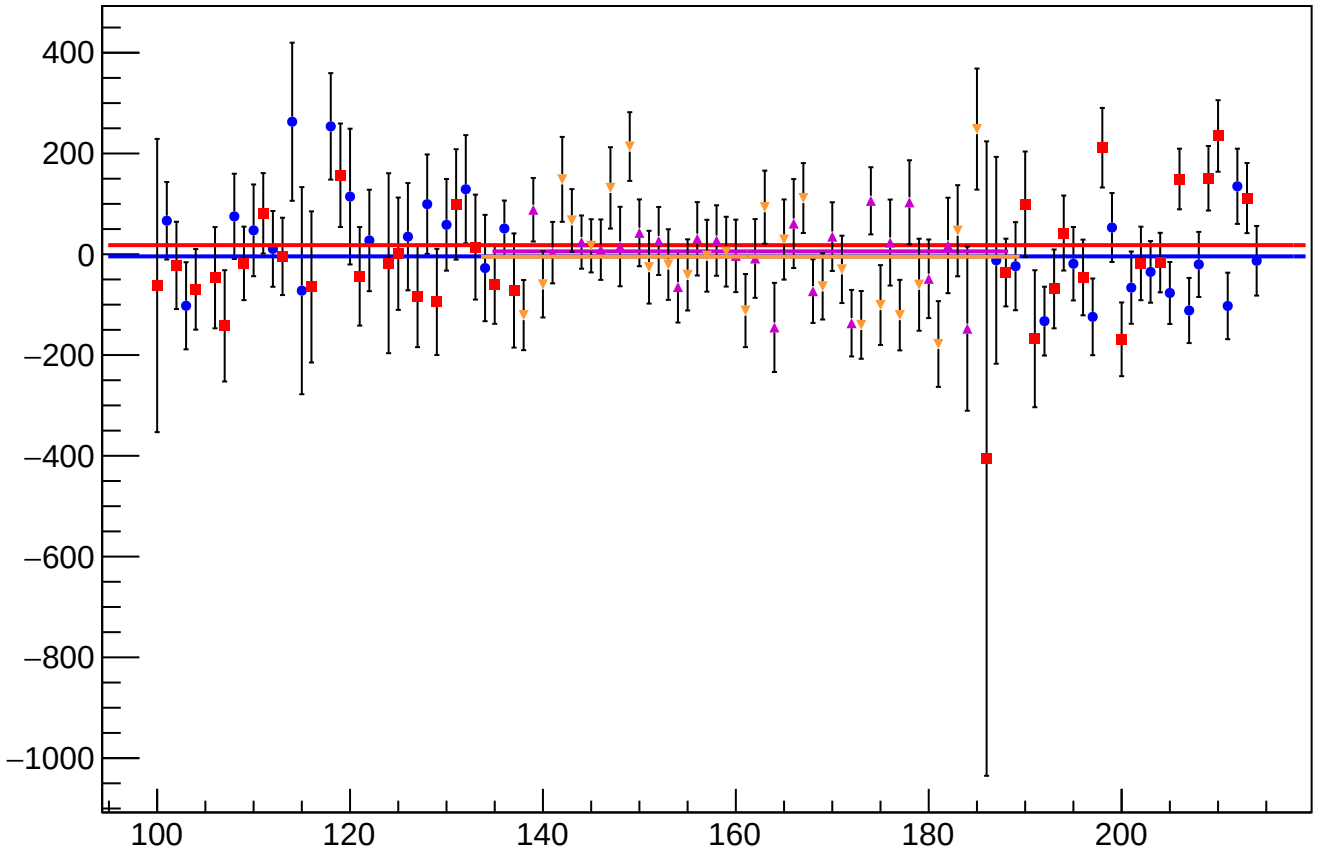
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 358.675+/-0.043 χ^2/NDF: 5593272.8/63

In: 361.751+/-0.043 χ^2/NDF:2922742.8/52

Out: 355.639+/-0.042 χ^2/NDF:3864100.0/58

All: 358.593+/-0.030 χ^2/NDF: 6797143.6/11



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

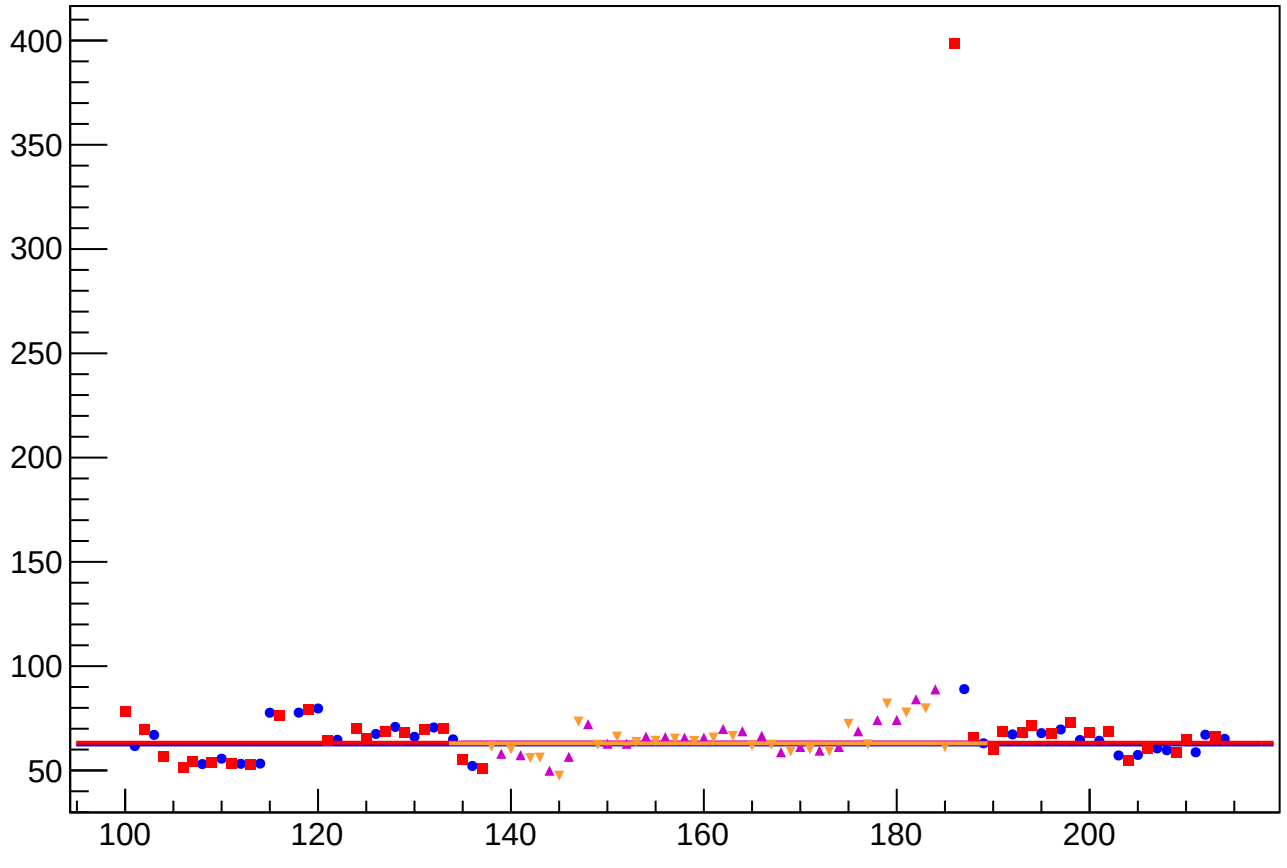
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 6.903+/-10.411 χ^2/NDF: 87.2/63

In: 0.713+/-10.475 χ^2/NDF:53.8/52

Out: 6.415+/-10.315 χ^2/NDF:99.4/58

All: 3.608+/-7.350 χ^2/NDF: 153.3/111



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

Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

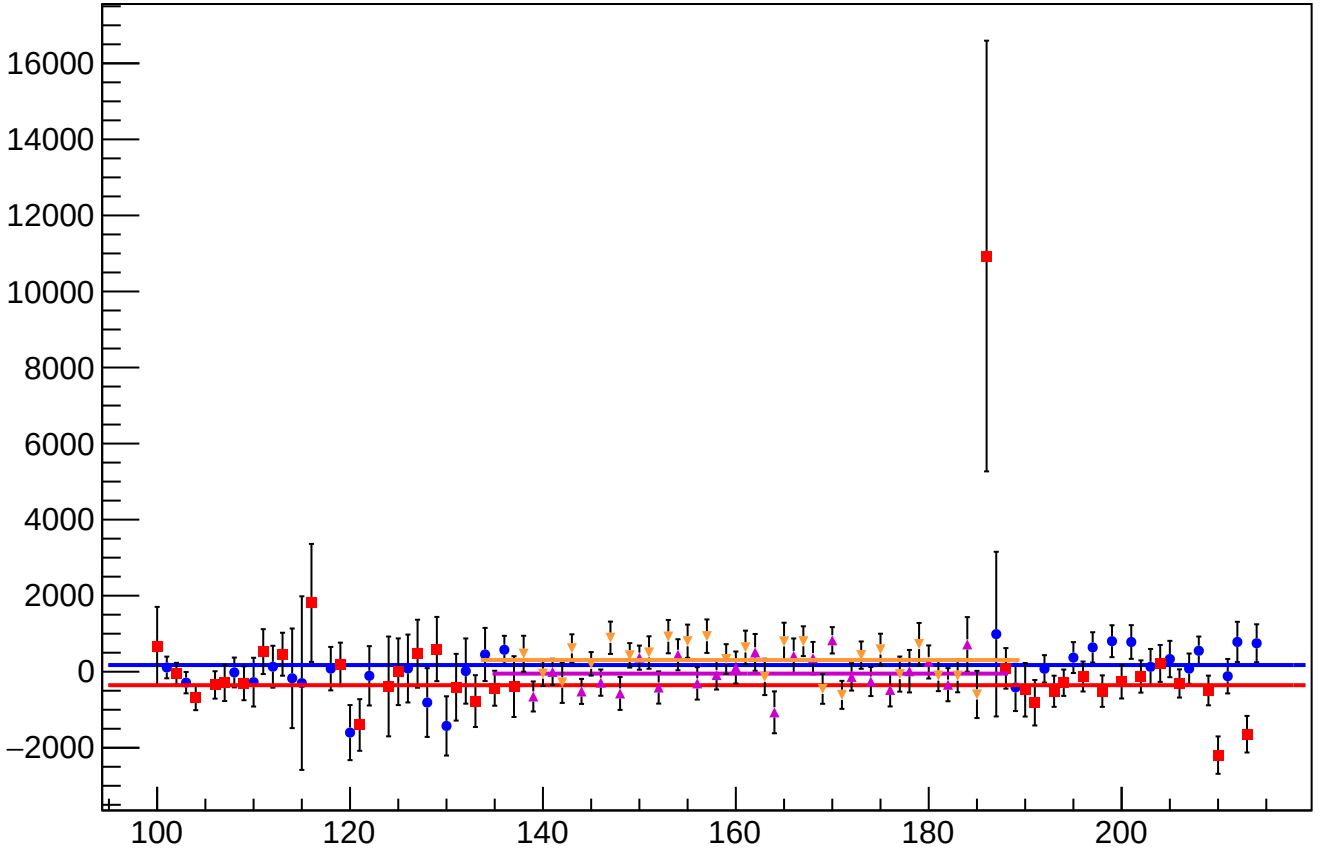
Right: 62.866+/-0.007 χ^2/NDF: 1432314.2/63

In: 62.904+/-0.007 χ^2/NDF:896495.6/52

Out: 63.124+/-0.007 χ^2/NDF:1560683.5/58

All: 63.016+/-0.005 χ^2/NDF: 2457625.2/111

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

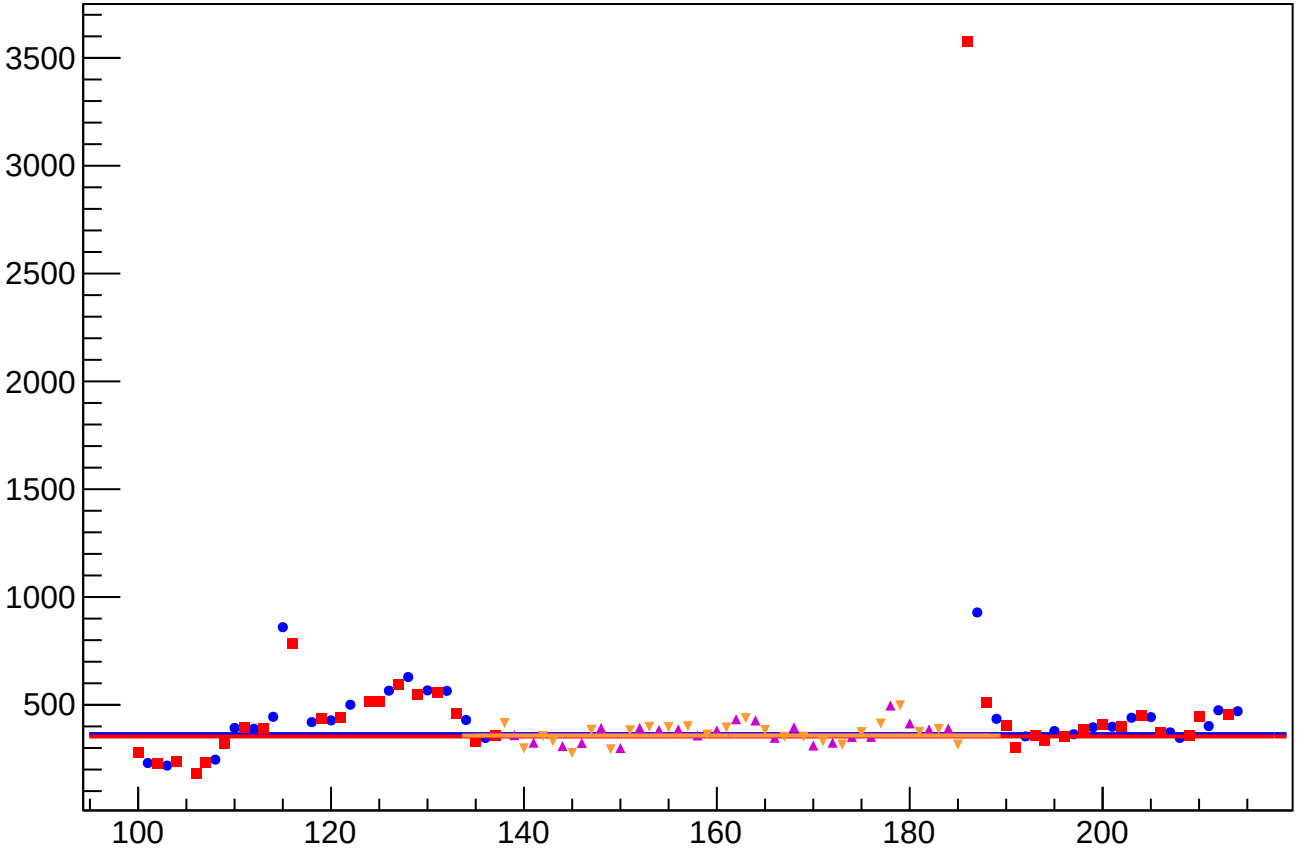
Right: -99.335+/-61.344 χ^2/NDF: 90.6/63

In: 58.064+/-61.218 χ^2/NDF:58.3/52

Out: -12.472+/-59.208 χ^2/NDF:106.1/58

All: 21.619+/-42.559 χ^2/NDF: 165.1/111

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

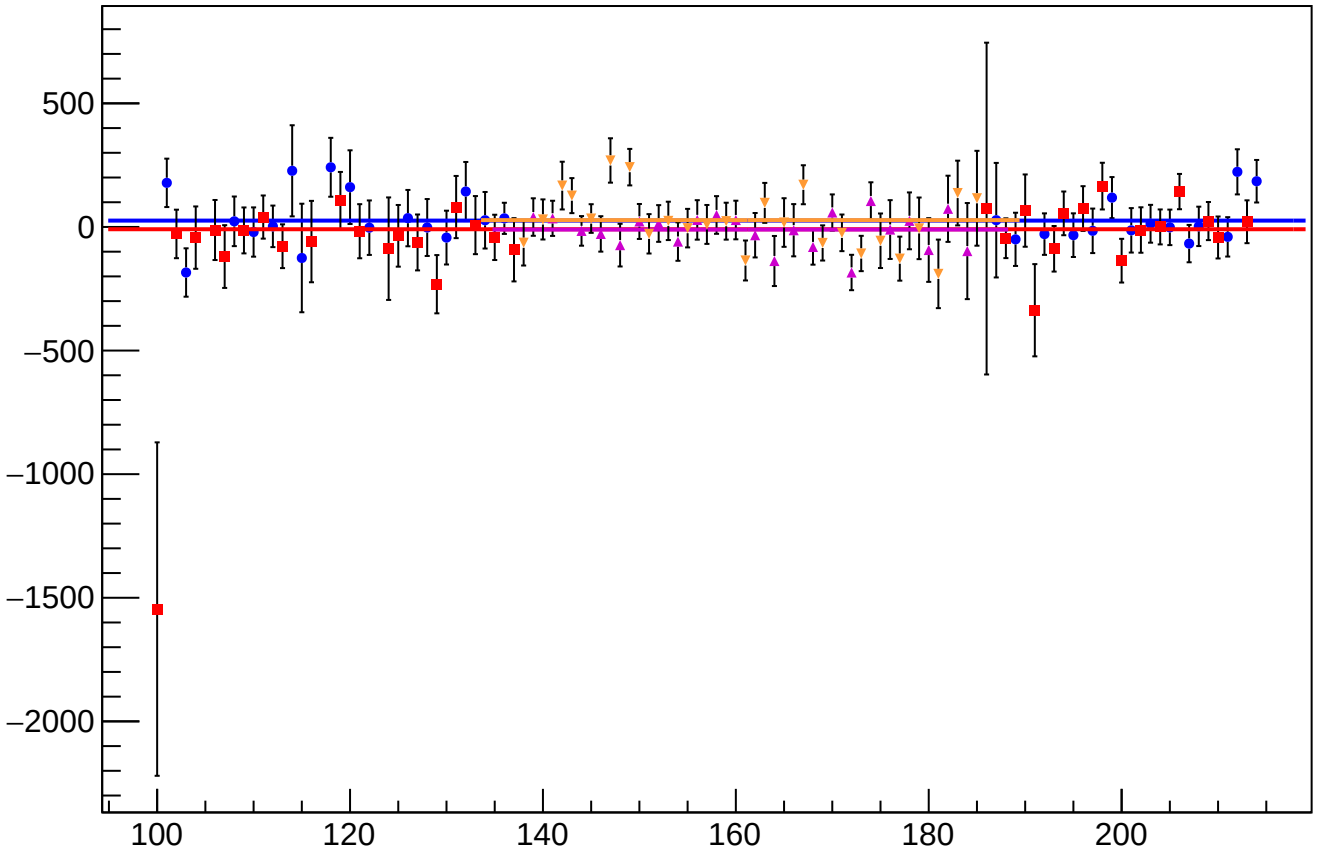
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 358.675+/-0.043 χ^2/NDF: 5593272.8/63

In: 361.751+/-0.043 χ^2/NDF:2922742.8/52

Out: 355.639+/-0.042 χ^2/NDF:3864100.0/58

All: 358.593+/-0.030 χ^2/NDF: 6797143.6/11



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

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

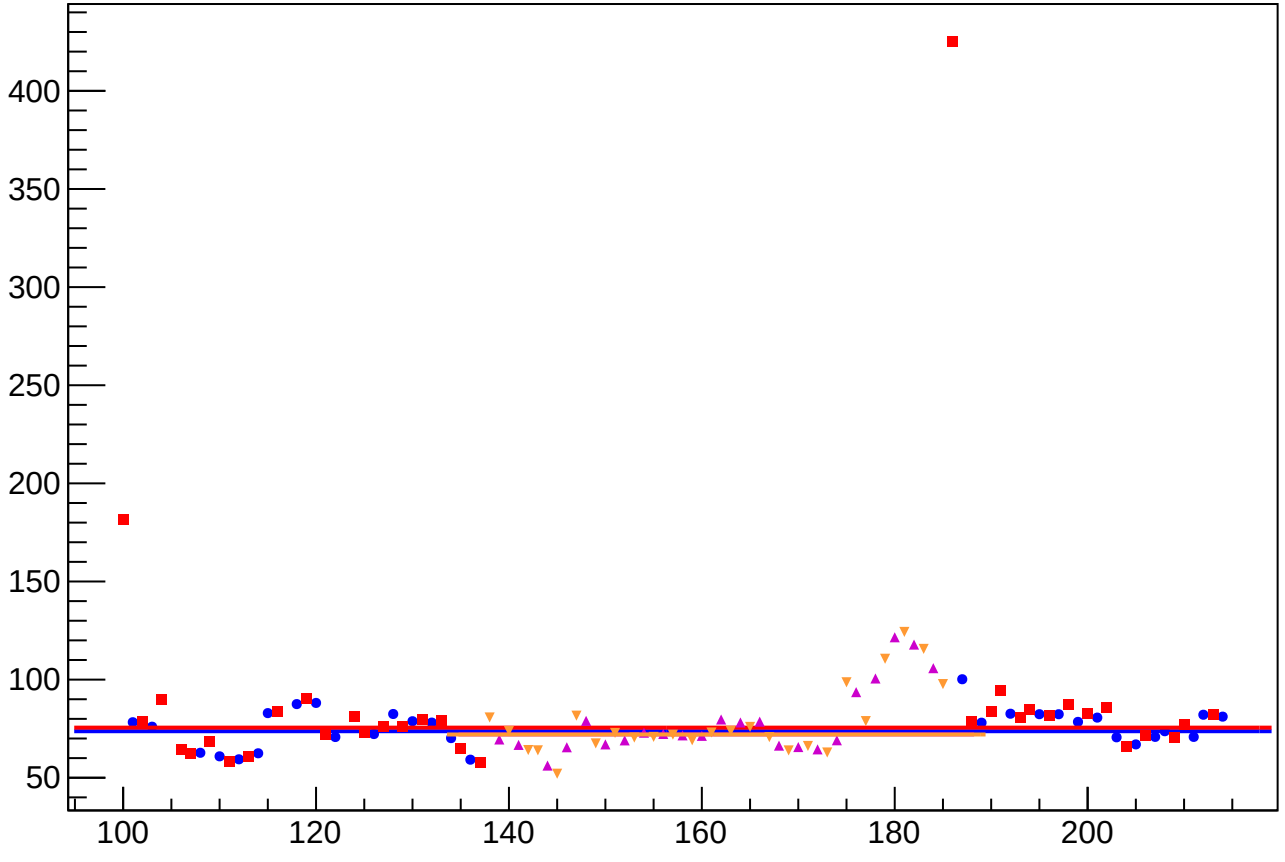
Right: 8.516+/-12.380 χ^2/NDF: 59.5/63

In: 7.441+/-12.235 χ^2/NDF:46.5/52

Out: 10.168+/-12.143 χ^2/NDF:73.9/58

All: 8.814+/-8.619 χ^2/NDF: 120.4/111

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

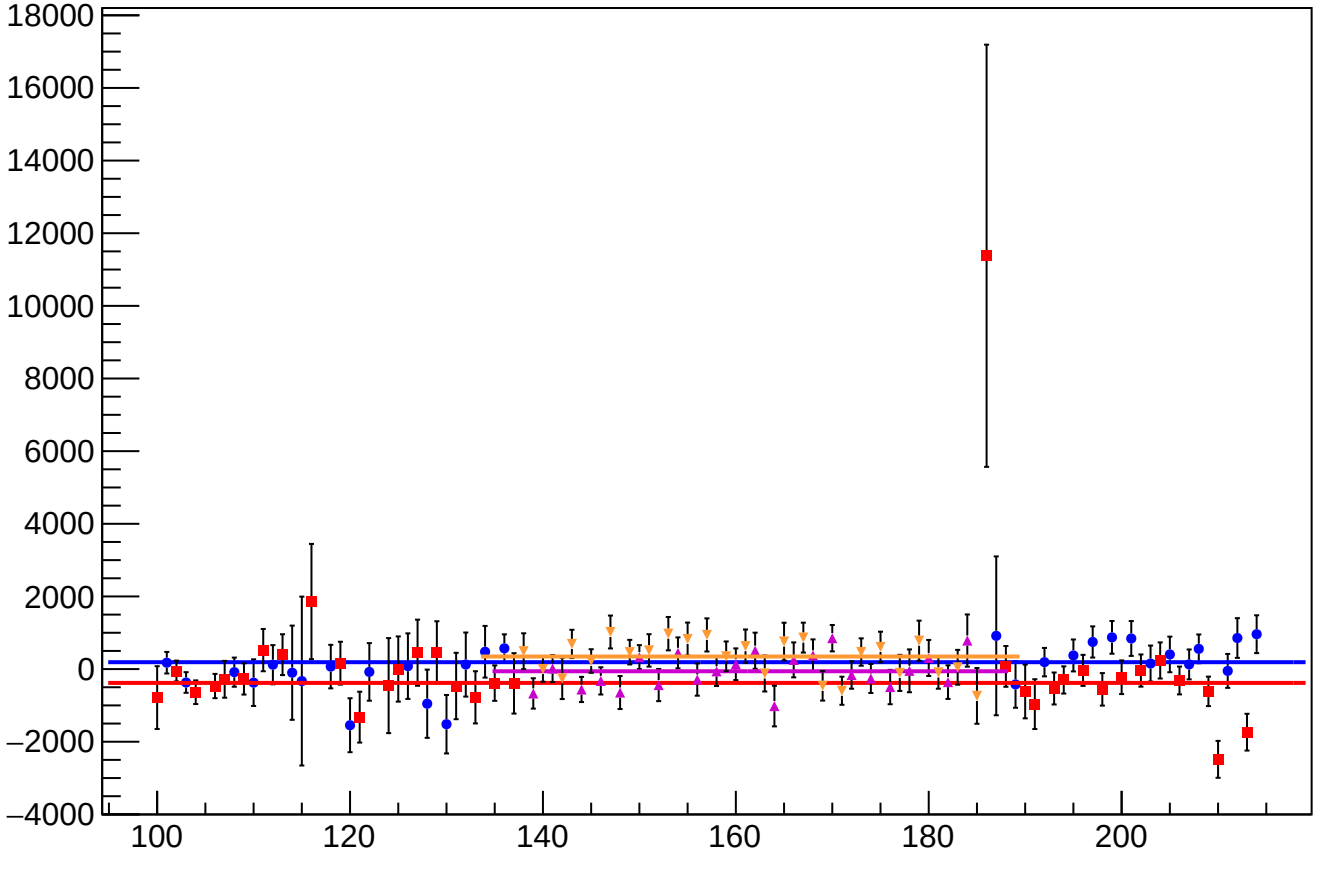
Right: 74.607+/-0.009 χ^2/NDF: 1599495.9/63

In: 72.893+/-0.009 χ^2/NDF:1539198.0/52

Out: 73.696+/-0.009 χ^2/NDF:2427744.4/58

All: 73.297+/-0.006 χ^2/NDF: 3971275.1/111

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



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

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

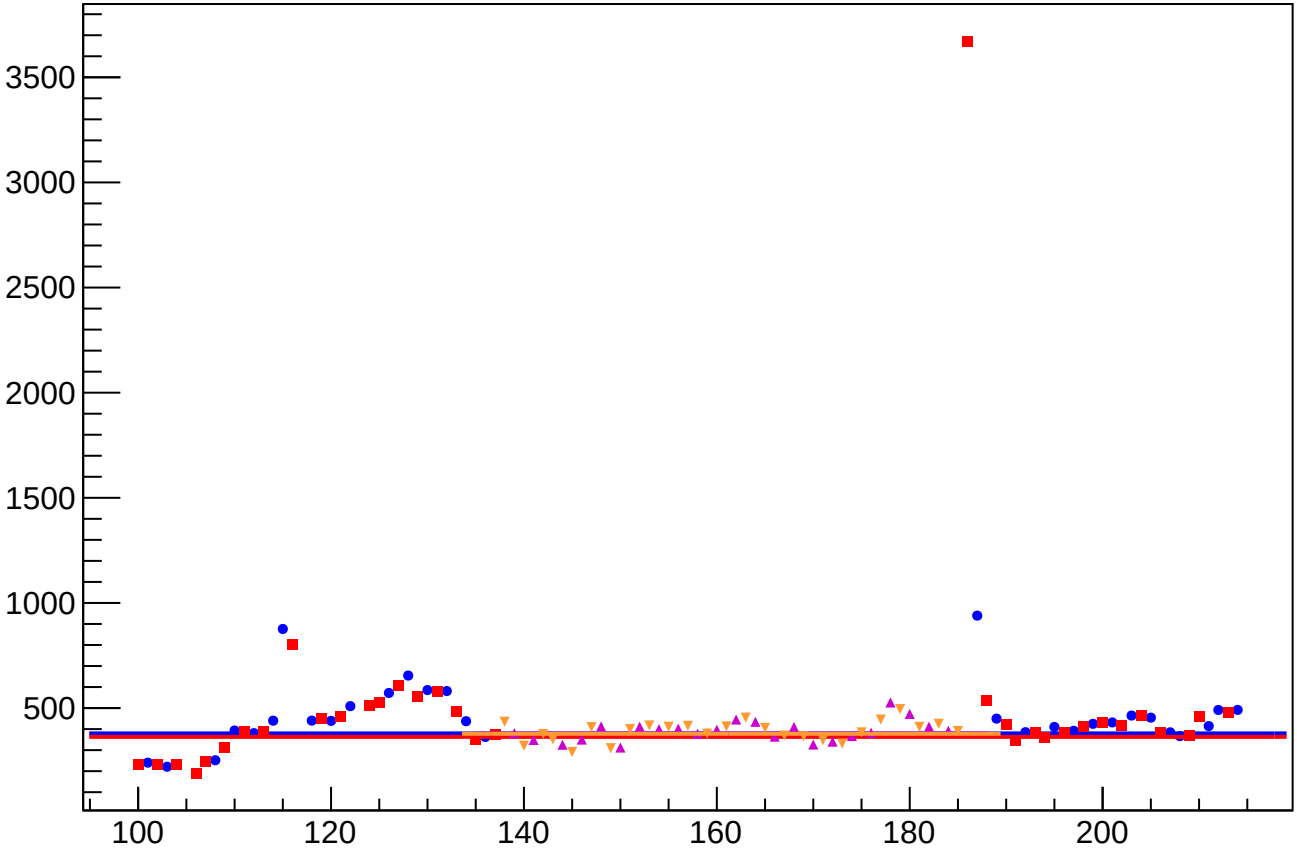
Right: -109.610+/-63.500 χ^2/NDF: 97.2/63

In: 61.143+/-64.162 χ^2/NDF:59.6/52

Out: -13.821+/-61.682 χ^2/NDF:110.7/58

All: 22.184+/-44.467 χ^2/NDF: 171.1/111

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



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

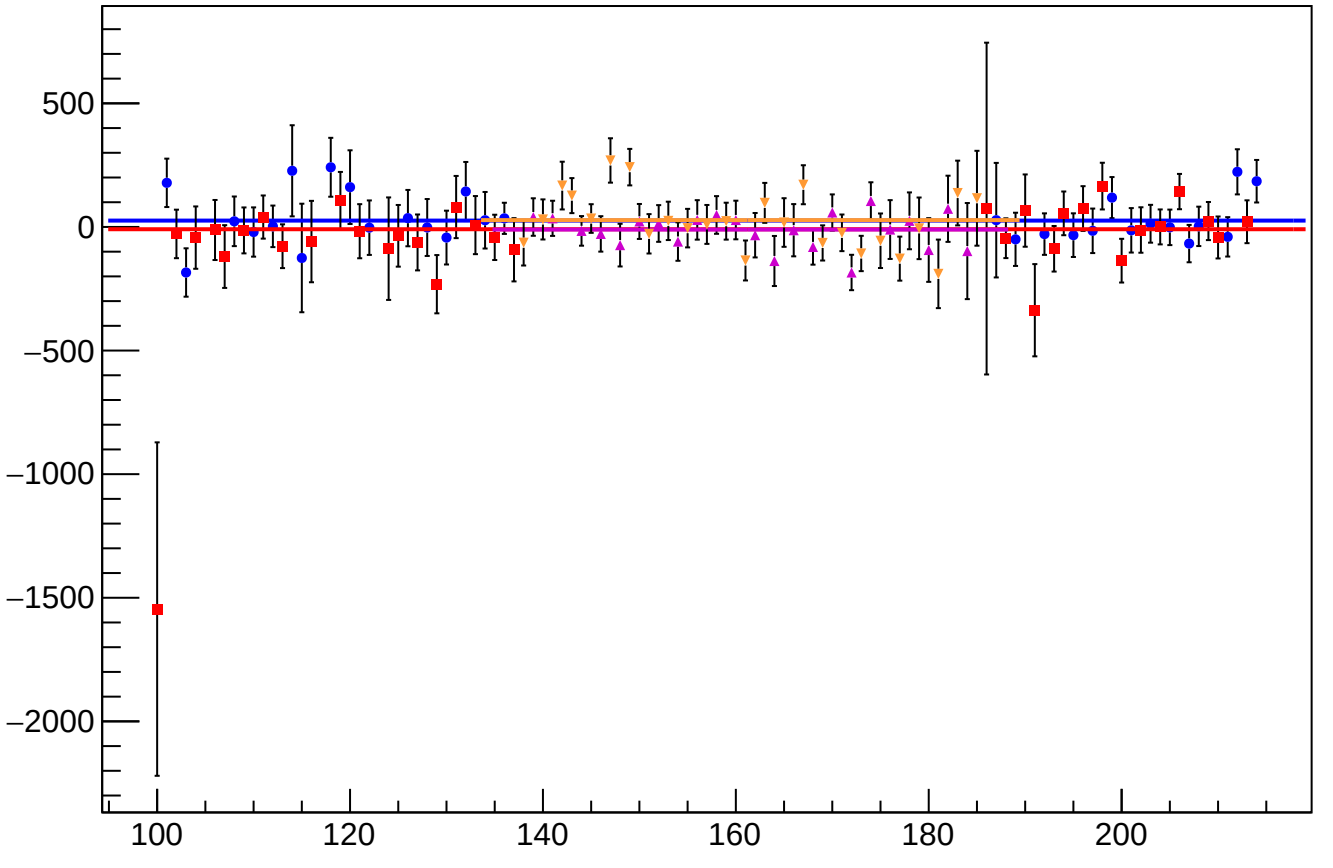
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 370.869+/-0.045 χ^2/NDF: 5960085.8/63

In: 379.178+/-0.045 χ^2/NDF:2993955.0/52

Out: 370.494+/-0.044 χ^2/NDF:4125661.0/58

All: 374.665+/-0.031 χ^2/NDF: 7138658.2/111



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

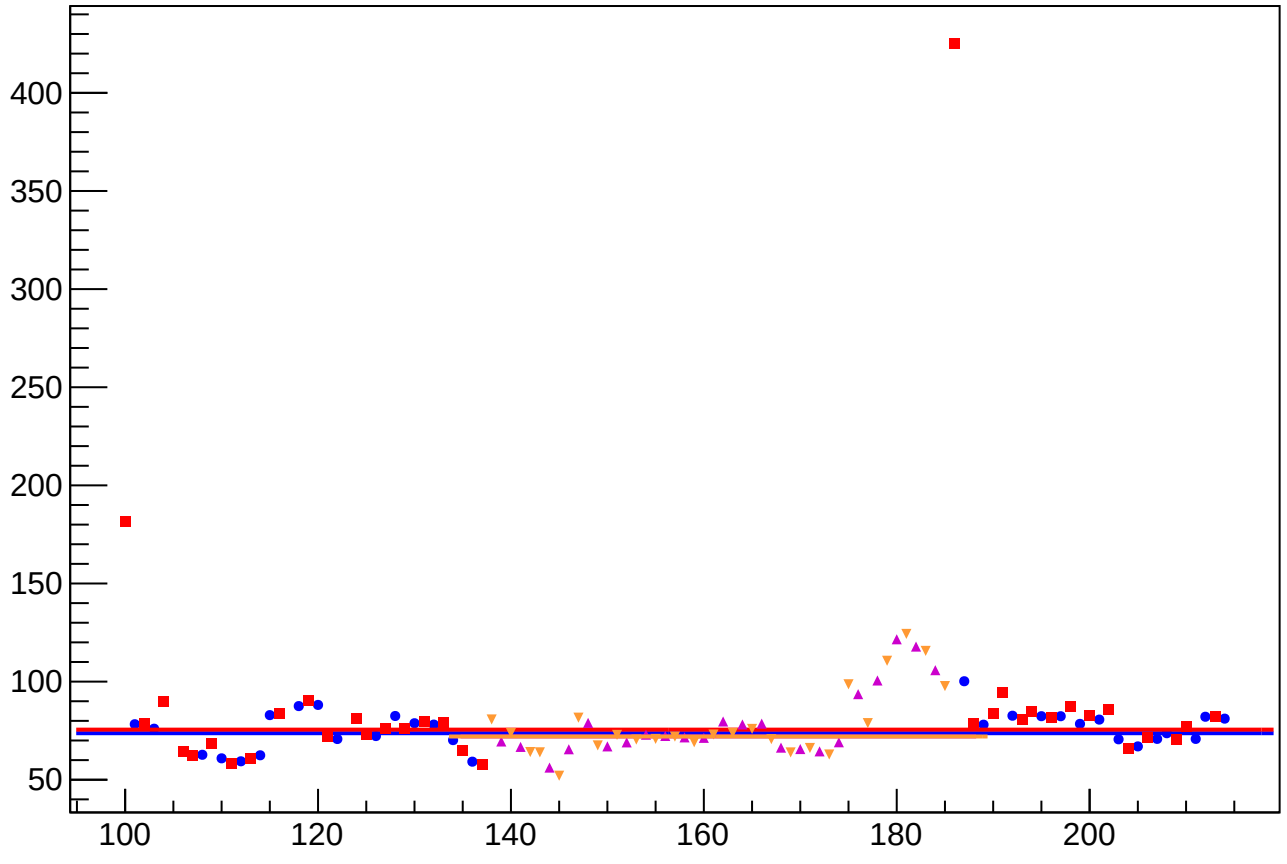
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 8.516+/-12.380 χ^2/NDF: 59.5/63

In: 7.441+/-12.235 χ^2/NDF:46.5/52

Out: 10.167+/-12.143 χ^2/NDF:73.9/58

All: 8.814+/-8.619 χ^2/NDF: 120.4/111



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

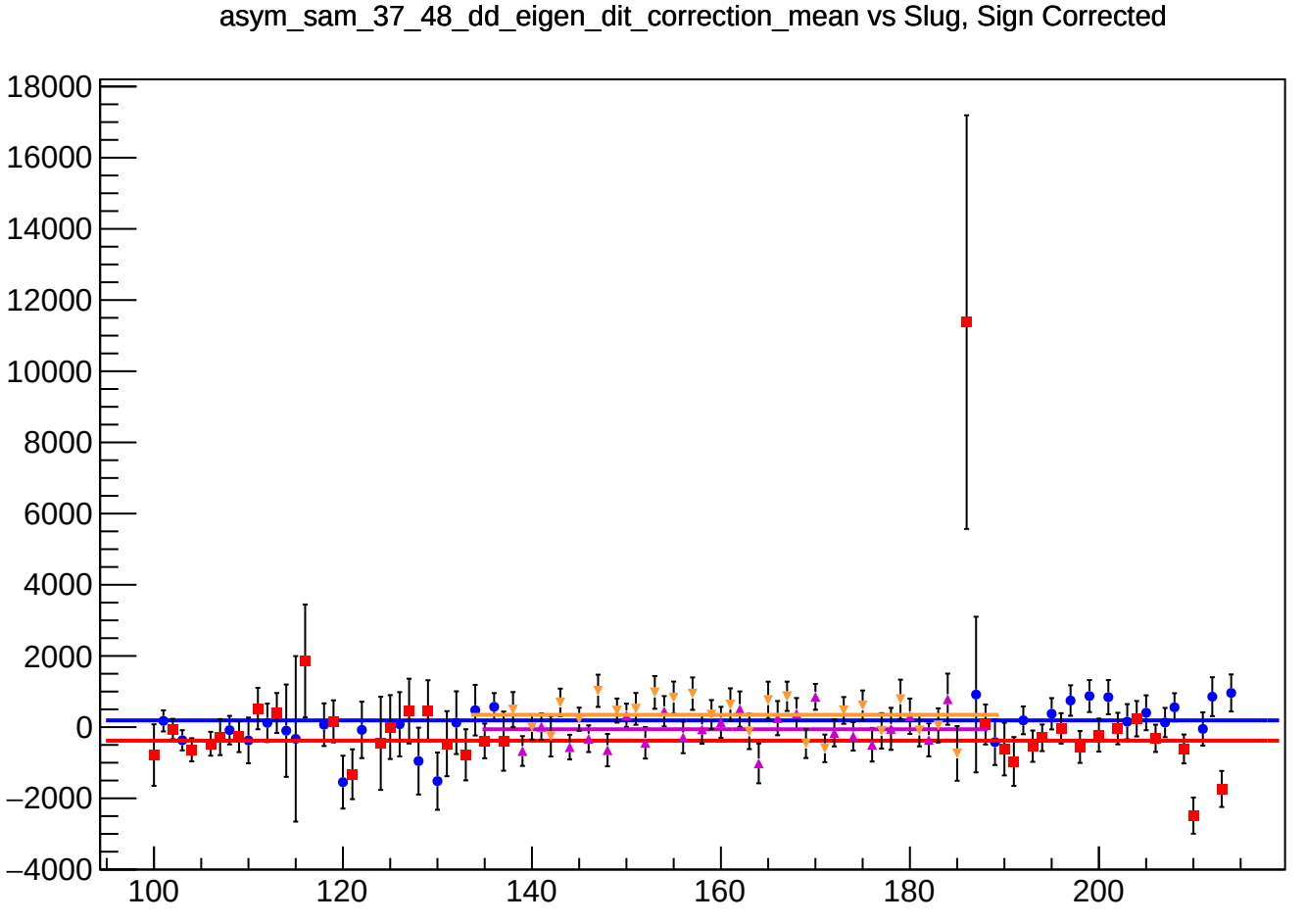
Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

Right: 74.607+/-0.009 χ^2/NDF: 1599486.9/63

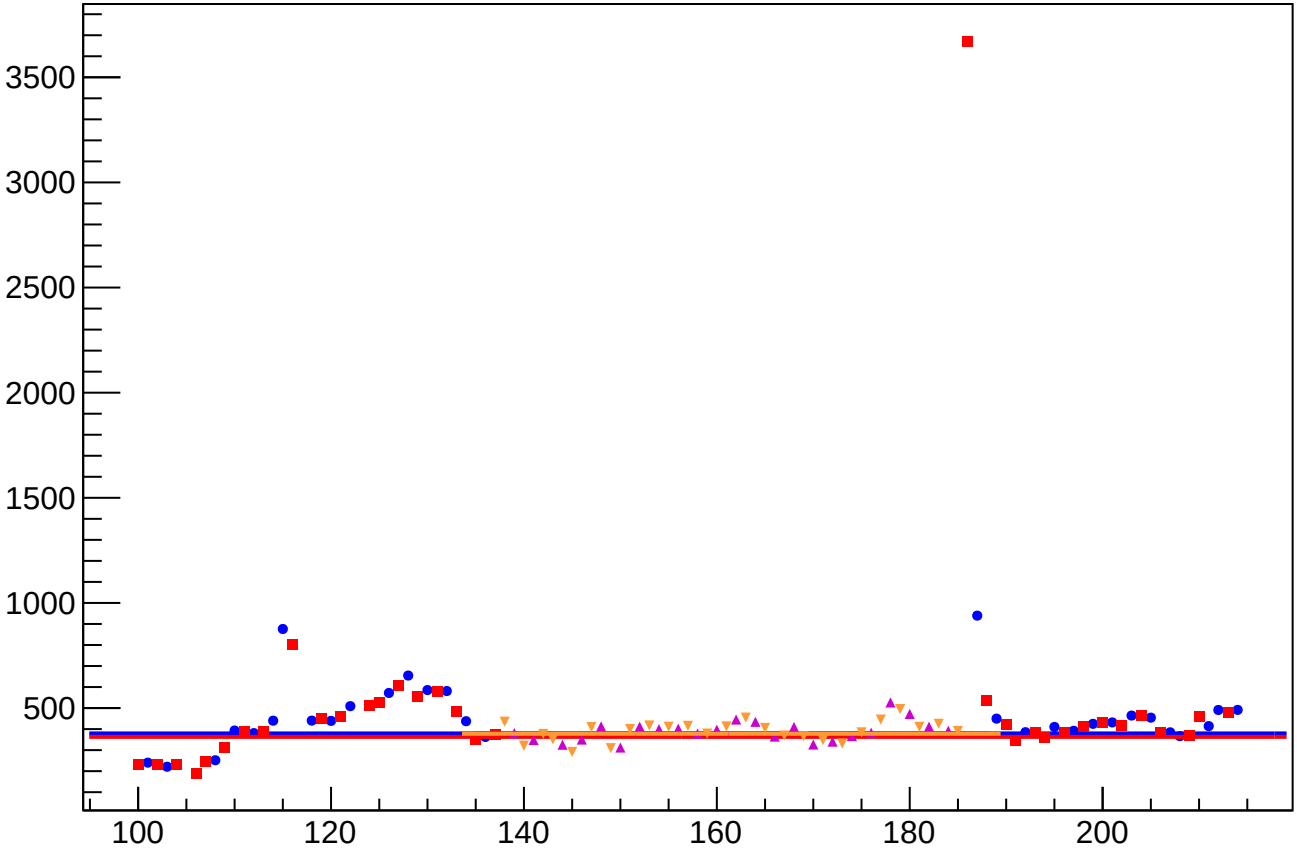
In: 72.893+/-0.009 χ^2/NDF:1539181.8/52

Out: 73.695+/-0.009 χ^2/NDF:2427748.8/58

All: 73.297+/-0.006 χ^2/NDF: 3971263.1/111


asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: 189.661+/-92.128 χ²/NDF: 30.0/29
Left Out: 345.972+/-86.822 χ²/NDF:28.9/24
Right Out: -380.470+/-87.645 χ²/NDF: 47.1/33
Left In: -59.907+/-89.411 χ²/NDF:25.8/22
Left: 148.994+/-62.288 χ²/NDF: 65.4/47
Right: -109.611+/-63.500 χ²/NDF: 97.2/63
In: 61.143+/-64.162 χ²/NDF:59.6/52
Out: -13.822+/-61.682 χ²/NDF:110.7/58
All: 22.184+/-44.467 χ²/NDF: 171.1/111

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

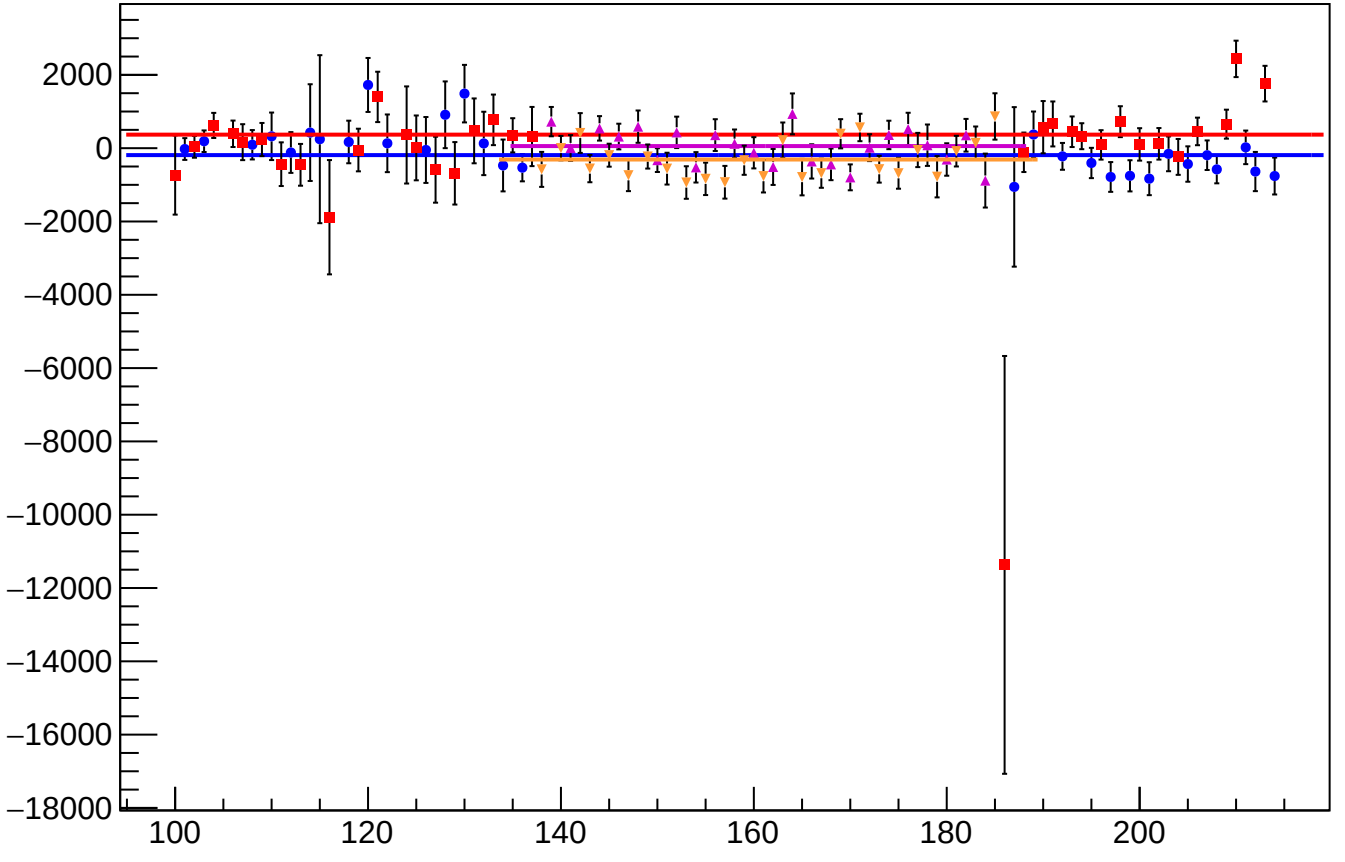
Right: 370.869+/-0.045 χ^2/NDF: 5960058.2/63

In: 379.178+/-0.045 χ^2/NDF:2993937.6/52

Out: 370.493+/-0.044 χ^2/NDF:4125644.9/58

All: 374.665+/-0.031 χ^2/NDF: 7138625.3/111

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

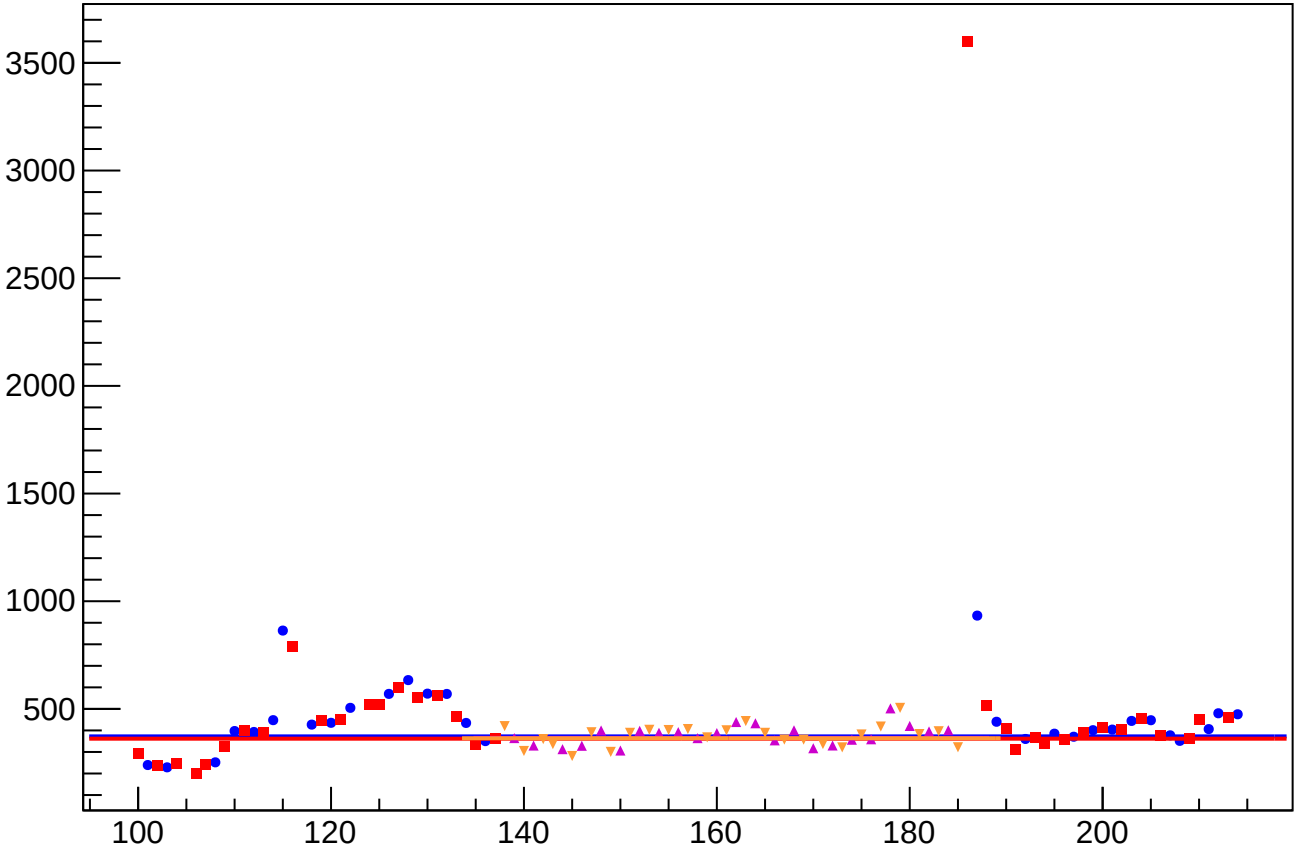
Right: 100.958+/-62.505 χ^2/NDF: 98.4/63

In: -60.194+/-62.306 χ^2/NDF:60.5/52

Out: 17.920+/-60.238 χ^2/NDF:111.6/58

All: -19.819+/-43.307 χ^2/NDF: 172.9/111

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

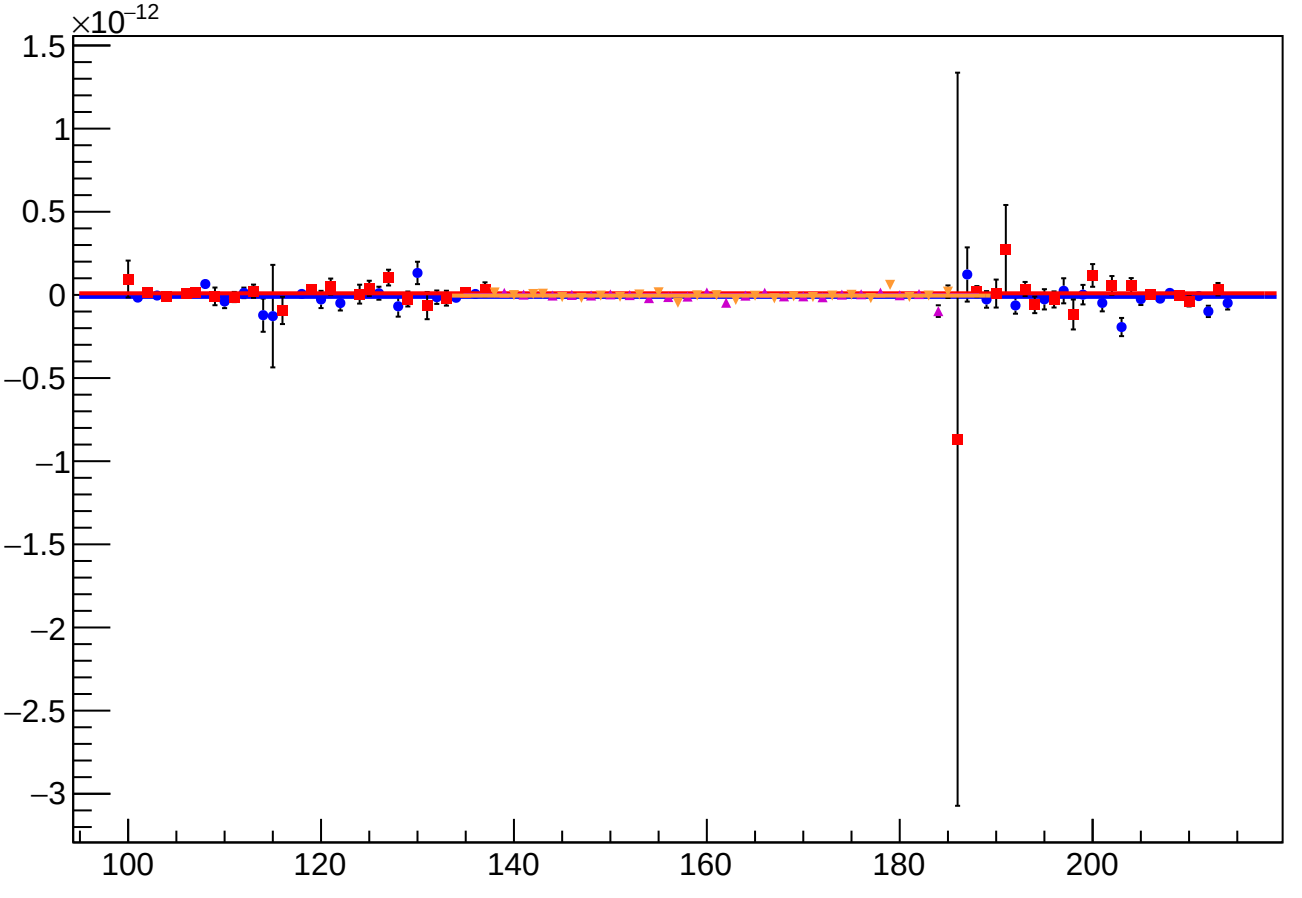
Right: 366.837+/-0.044 χ^2/NDF: 5201109.2/63

In: 368.697+/-0.044 χ^2/NDF:2738030.2/52

Out: 362.742+/-0.043 χ^2/NDF:3634195.9/58

All: 365.619+/-0.031 χ^2/NDF: 6381668.8/111

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

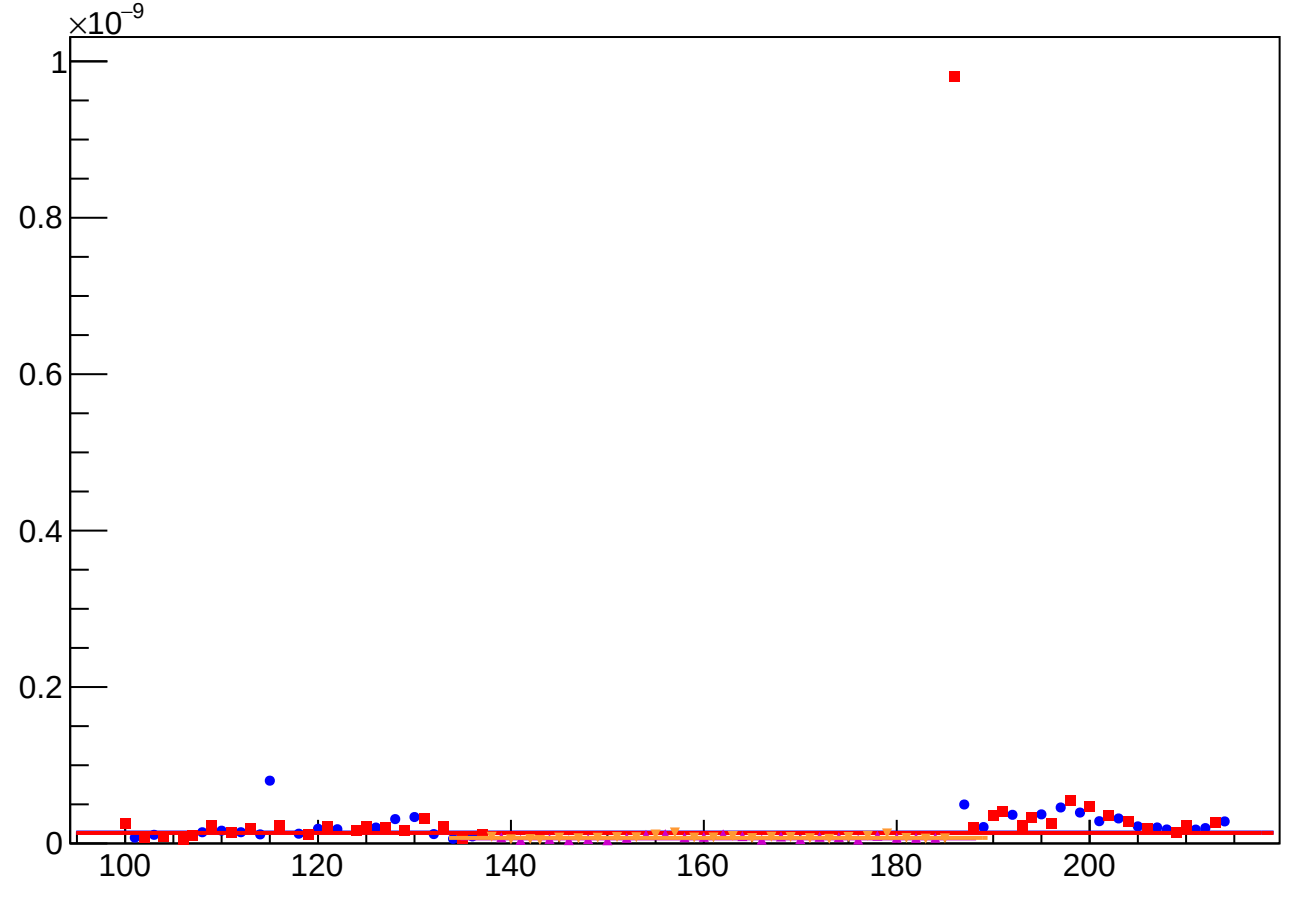
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: -0.000+/-0.000 χ^2/NDF: 73.3/63

In: -0.000+/-0.000 χ^2/NDF:64.7/52

Out: -0.000+/-0.000 χ^2/NDF:52.7/58

All: -0.000+/-0.000 χ^2/NDF: 117.7/111



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

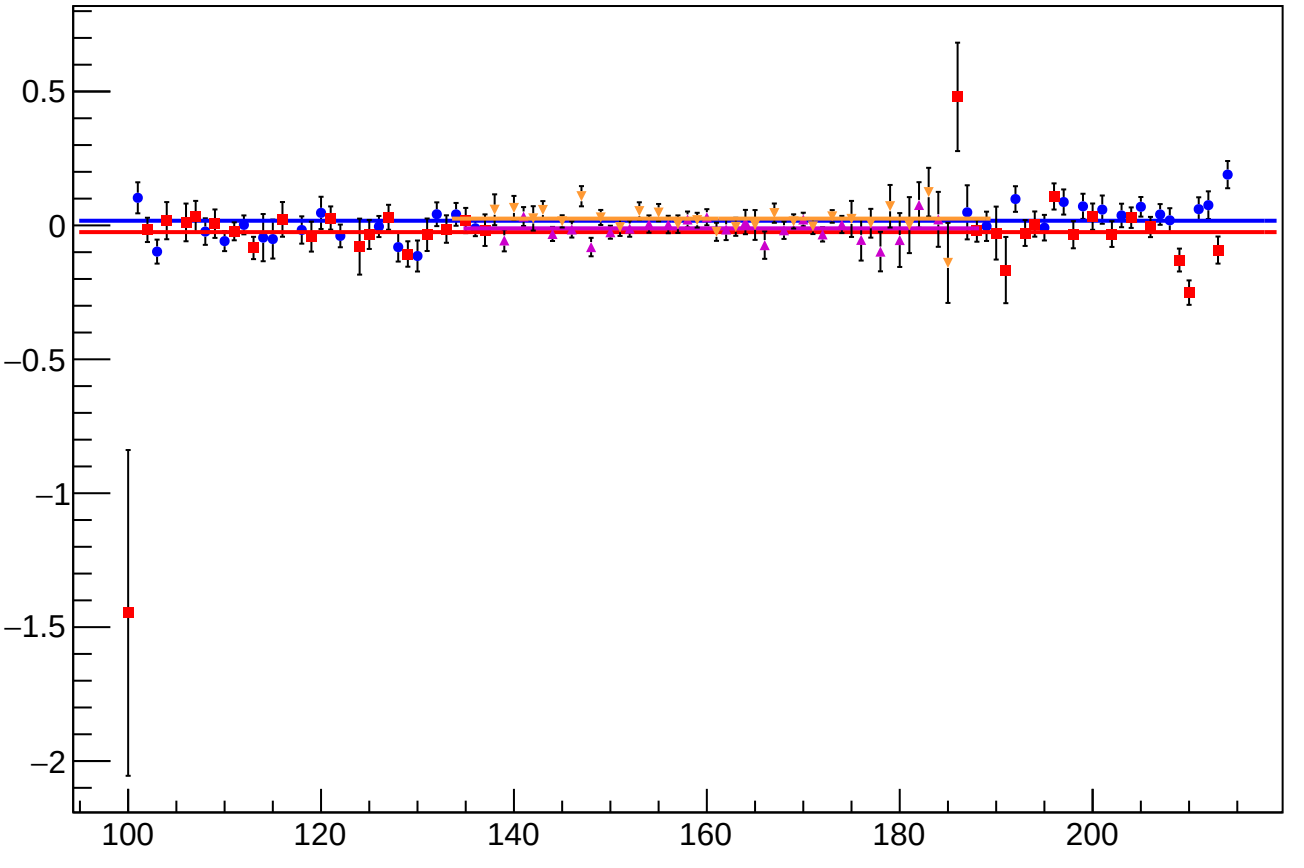
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9467222.5/63

In: 0.000+/-0.000 χ^2/NDF:8506355.5/52

Out: 0.000+/-0.000 χ^2/NDF:8126904.7/58

All: 0.000+/-0.000 χ^2/NDF: 16676152.1/111



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

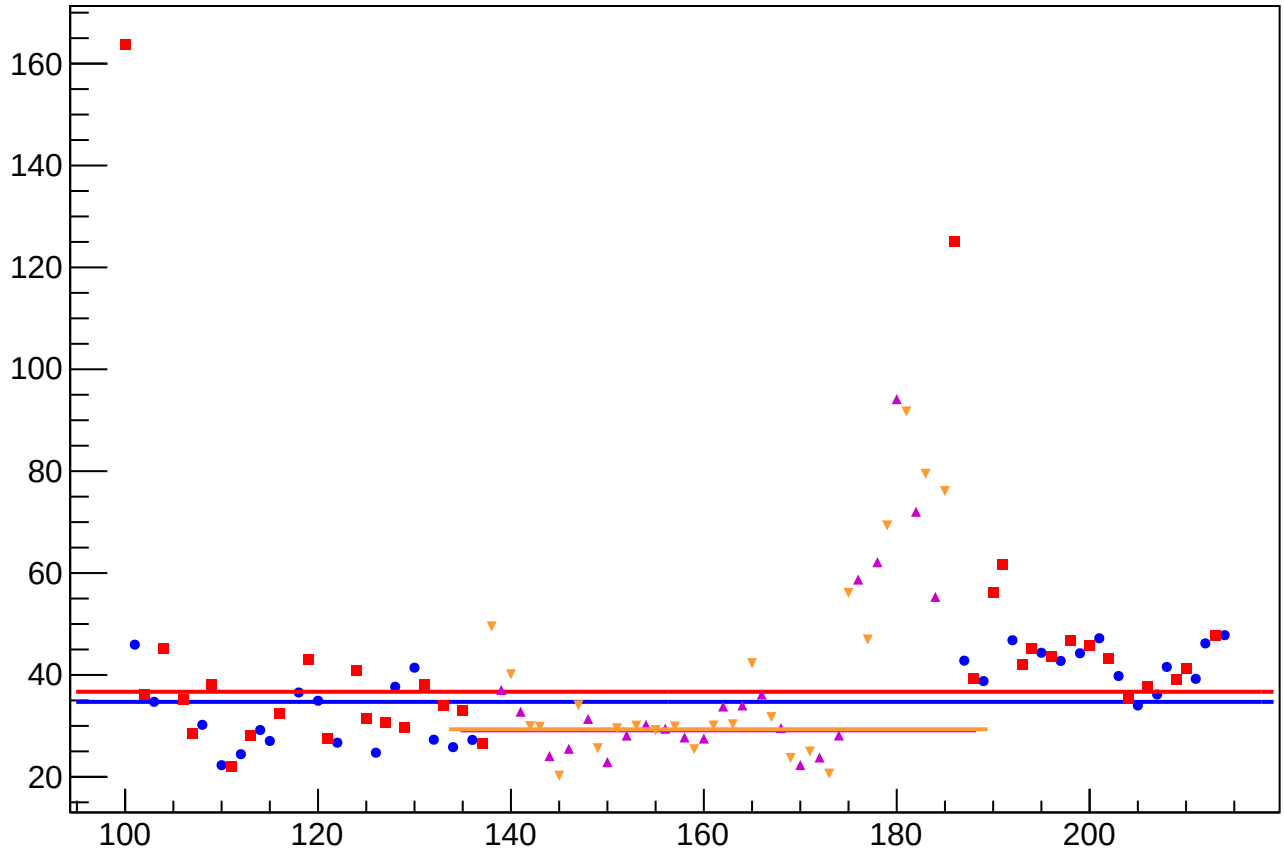
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.003+/-0.006 χ^2/NDF: 132.5/63

In: 0.001+/-0.006 χ^2/NDF:77.3/52

Out: 0.005+/-0.006 χ^2/NDF:105.7/58

All: 0.003+/-0.004 χ^2/NDF: 183.2/111



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

Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

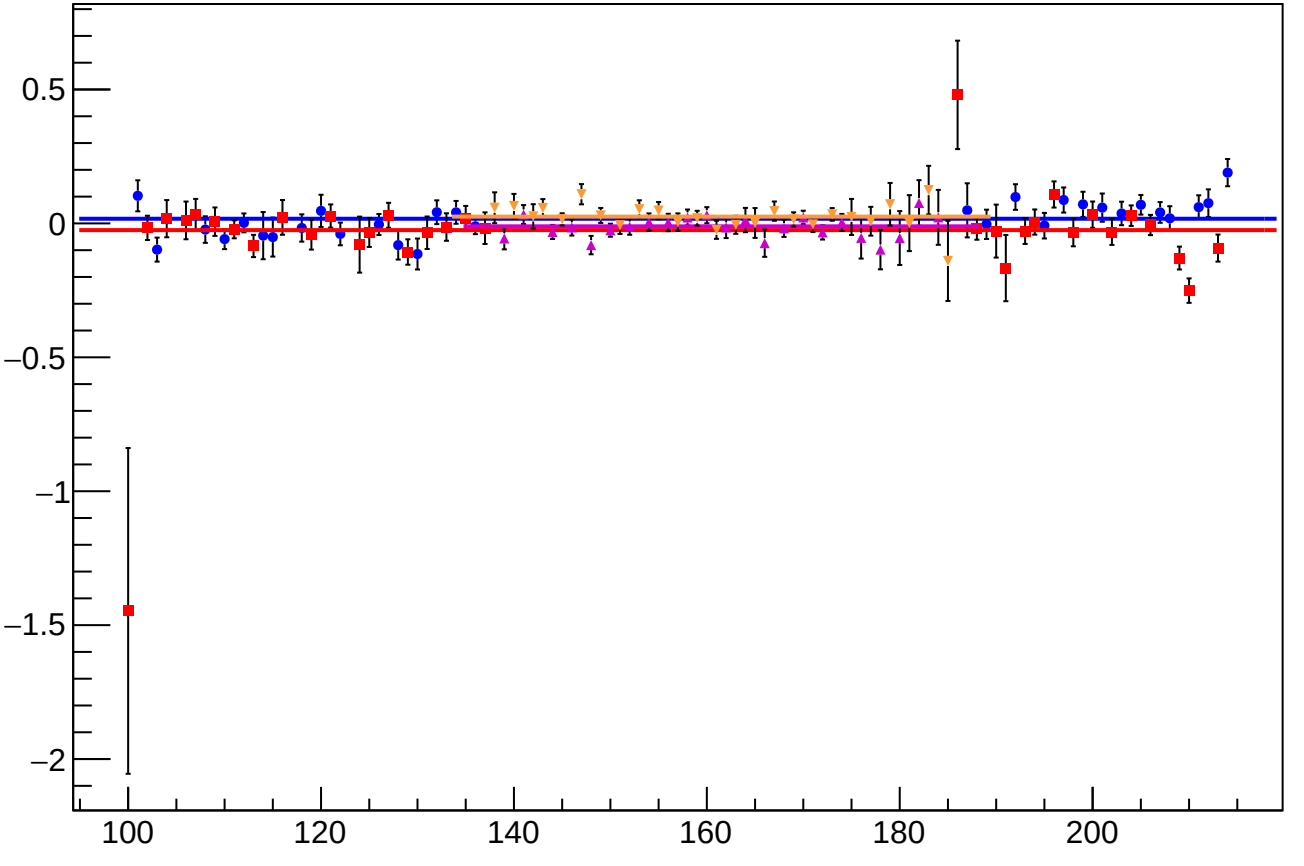
Right: 35.668+/-0.004 χ^2/NDF: 3805183.8/63

In: 31.517+/-0.004 χ^2/NDF:5177582.3/52

Out: 32.283+/-0.004 χ^2/NDF:6633721.1/58

All: 31.897+/-0.003 χ^2/NDF: 11830440.3/111

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

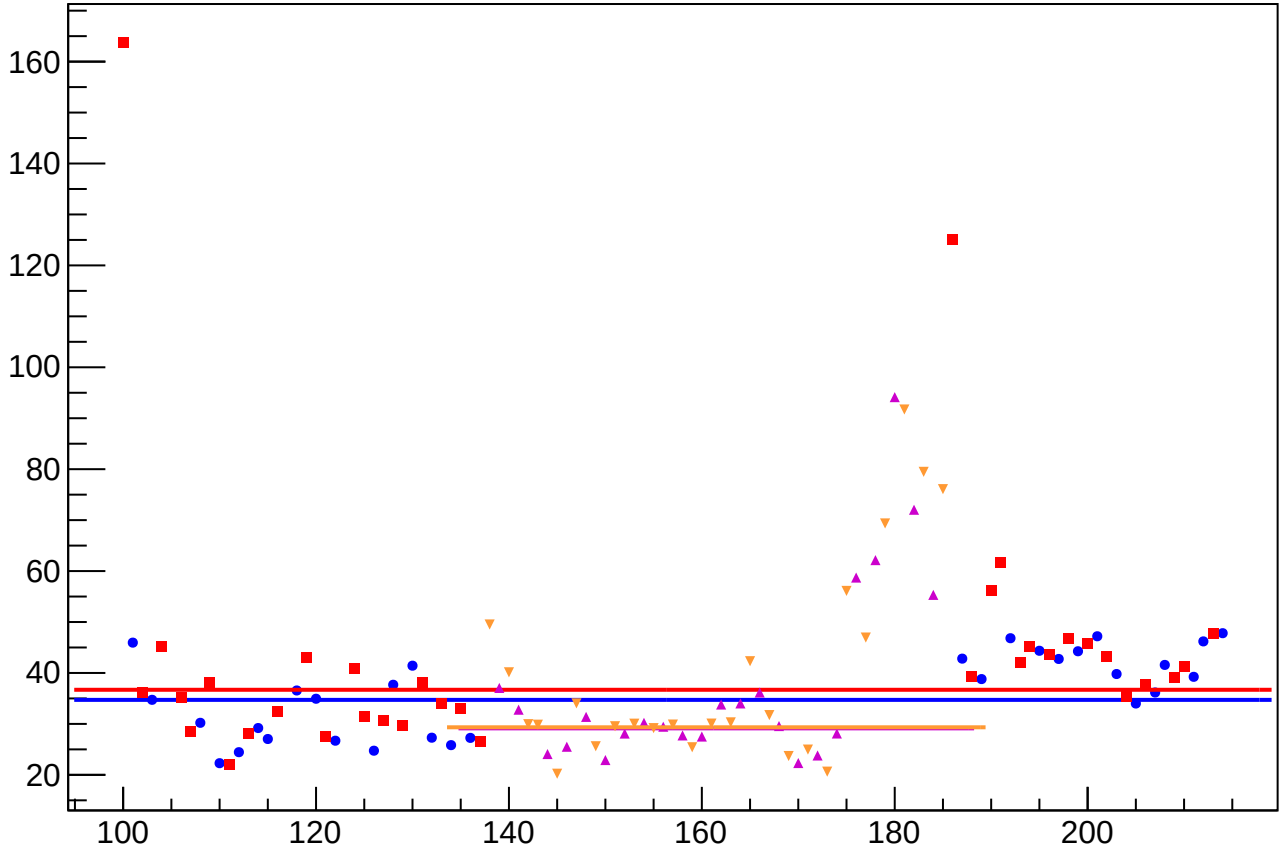
Right: -0.003+/-0.006 χ^2/NDF: 132.5/63

In: 0.001+/-0.006 χ^2/NDF:77.3/52

Out: 0.005+/-0.006 χ^2/NDF:105.7/58

All: 0.003+/-0.004 χ^2/NDF: 183.2/111

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

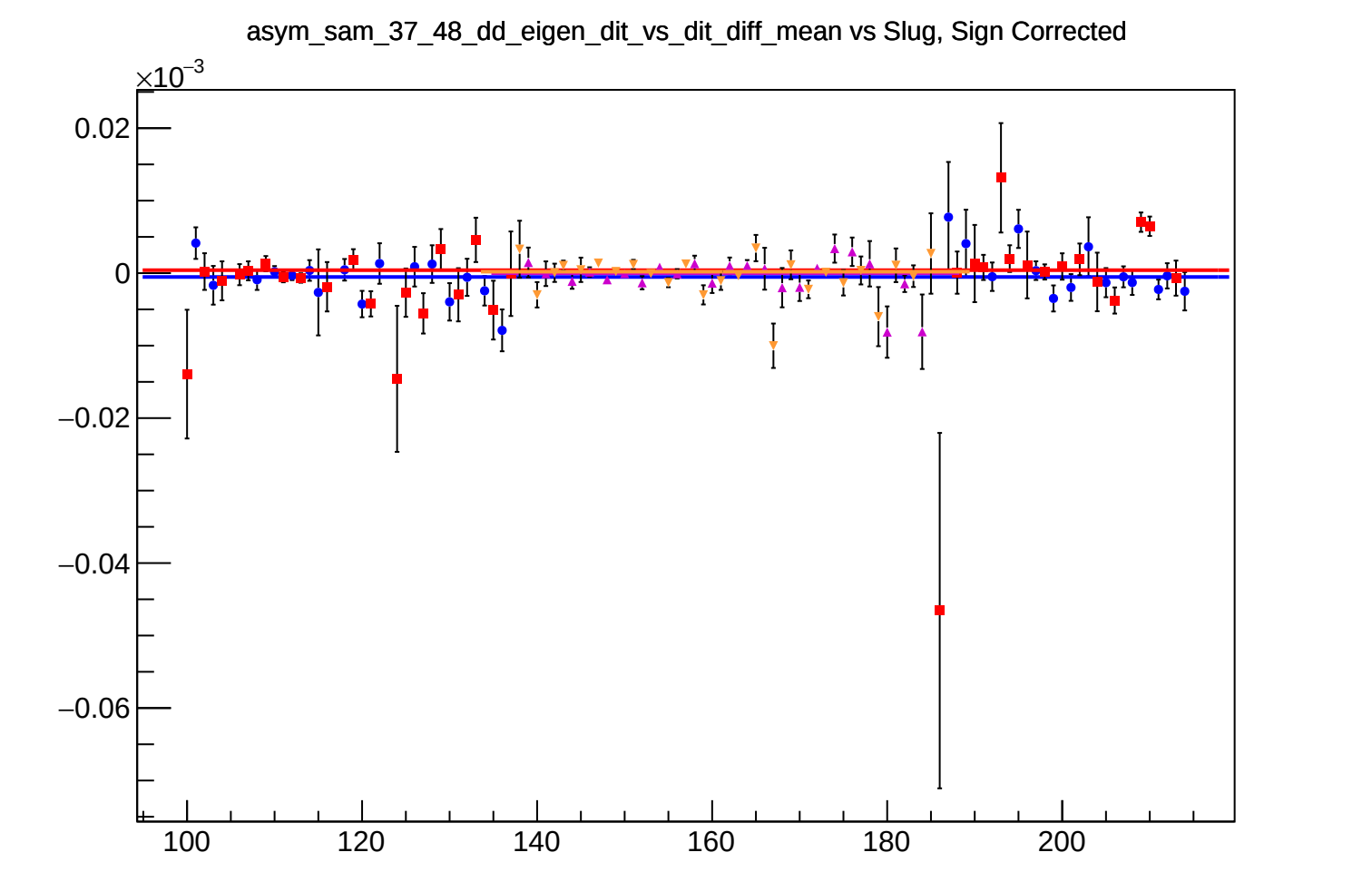
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.668+/-0.004 χ^2/NDF: 3805183.8/63

In: 31.517+/-0.004 χ^2/NDF:5177582.3/52

Out: 32.283+/-0.004 χ^2/NDF:6633721.1/58

All: 31.897+/-0.003 χ^2/NDF: 11830440.3/111



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

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

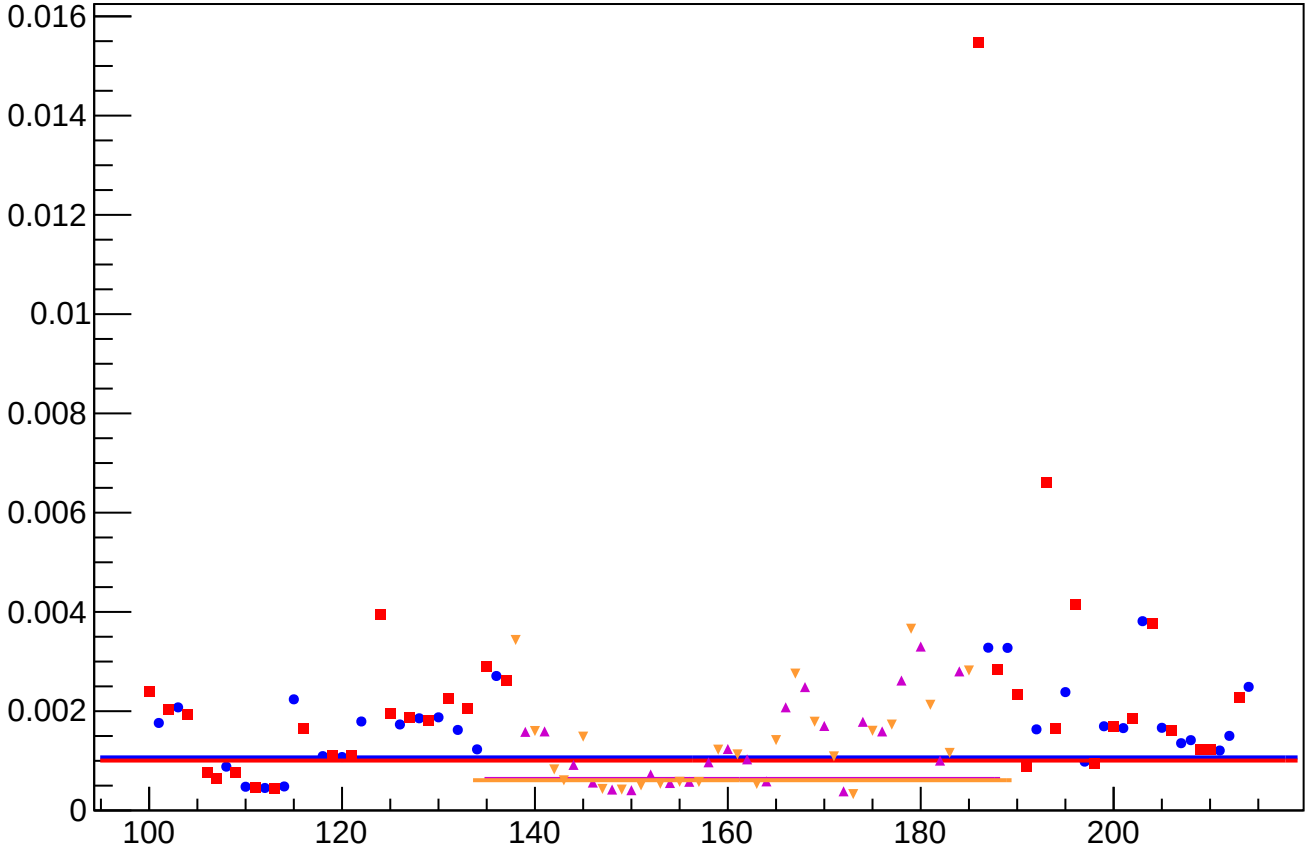
Right: -0.000+/-0.000 χ^2/NDF: 131.6/63

In: -0.000+/-0.000 χ^2/NDF:72.4/52

Out: 0.000+/-0.000 χ^2/NDF:142.4/58

All: 0.000+/-0.000 χ^2/NDF: 218.2/111

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

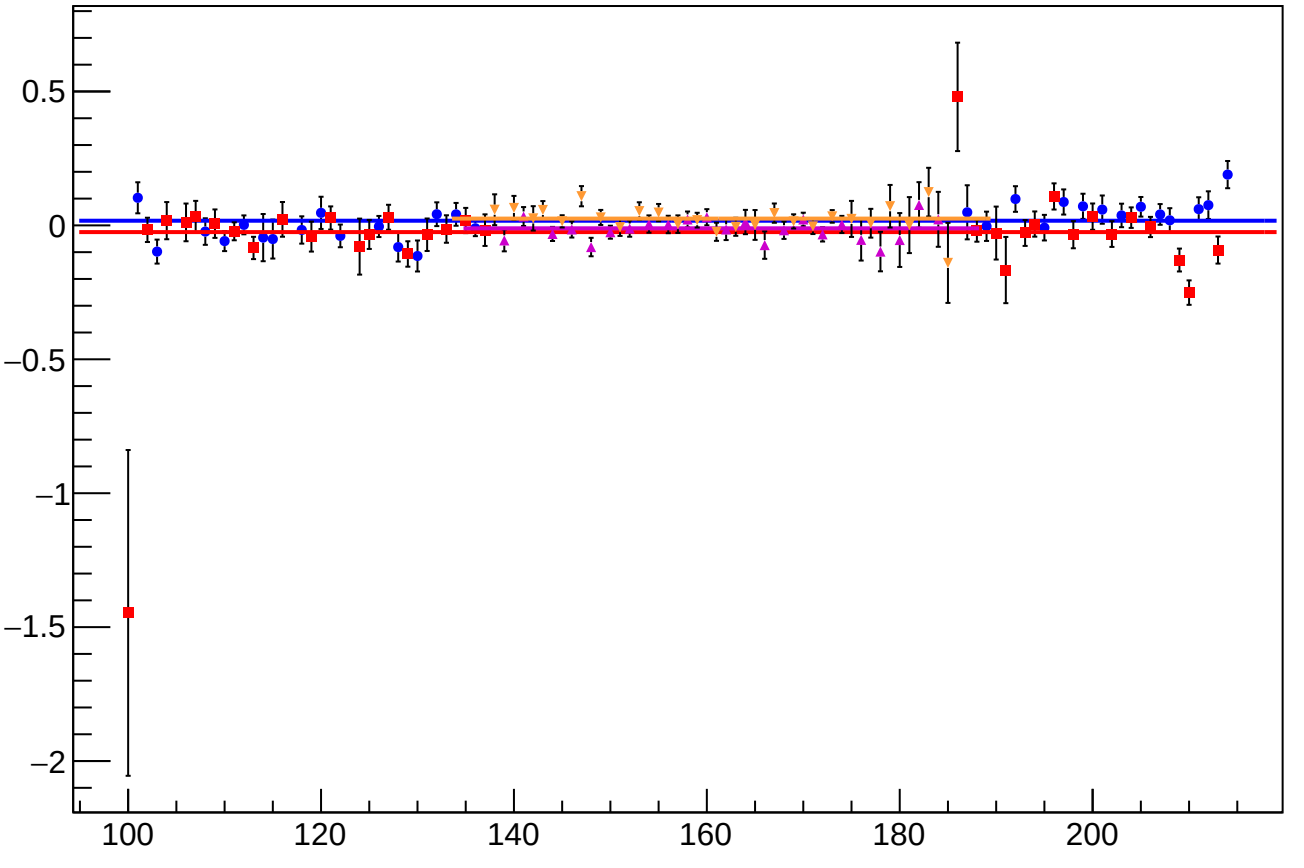
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 20847115.5/63

In: 0.001+/-0.000 χ^2/NDF:21459894.0/52

Out: 0.001+/-0.000 χ^2/NDF:25579421.2/58

All: 0.001+/-0.000 χ^2/NDF: 47111469.9/111



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

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

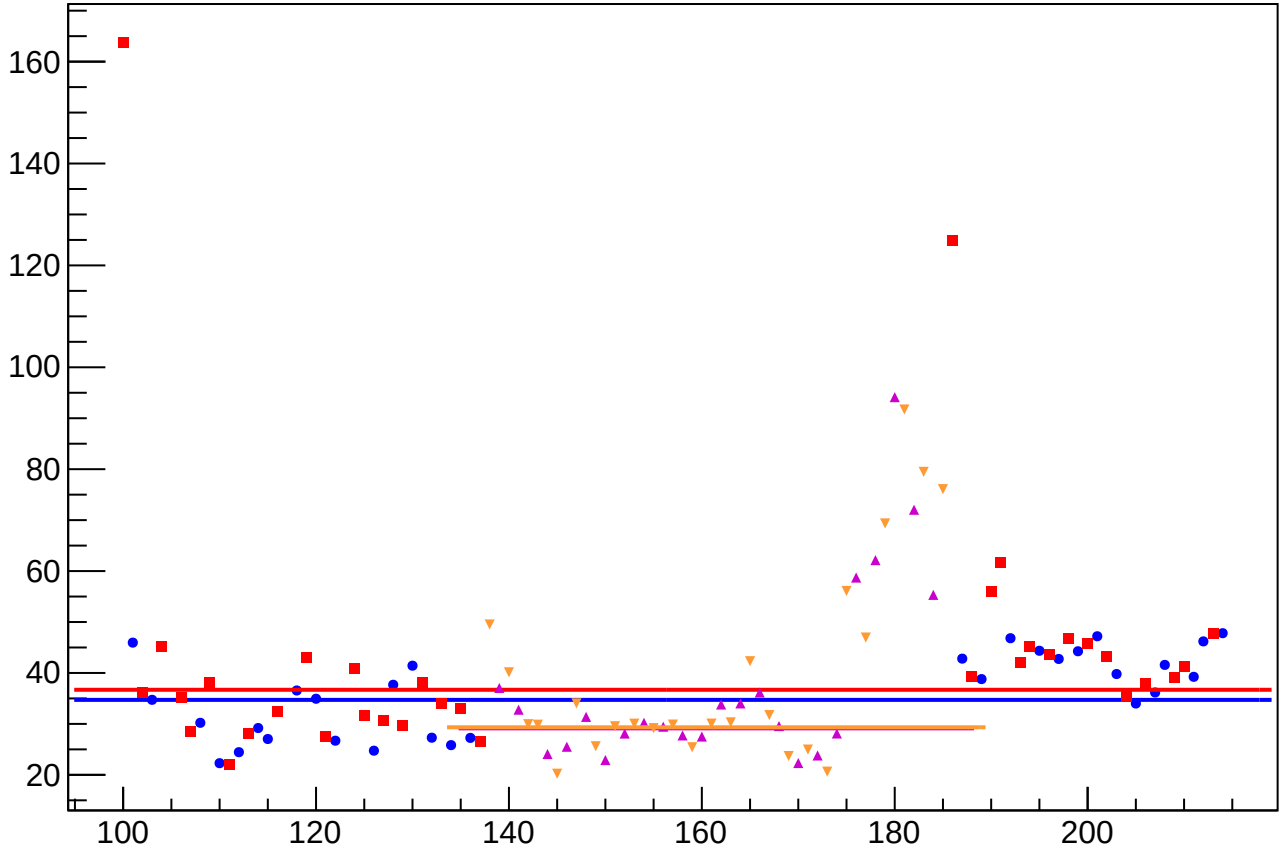
Right: -0.003+/-0.006 χ^2/NDF: 132.5/63

In: 0.001+/-0.006 χ^2/NDF:77.3/52

Out: 0.005+/-0.006 χ^2/NDF:105.7/58

All: 0.003+/-0.004 χ^2/NDF: 183.2/111

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

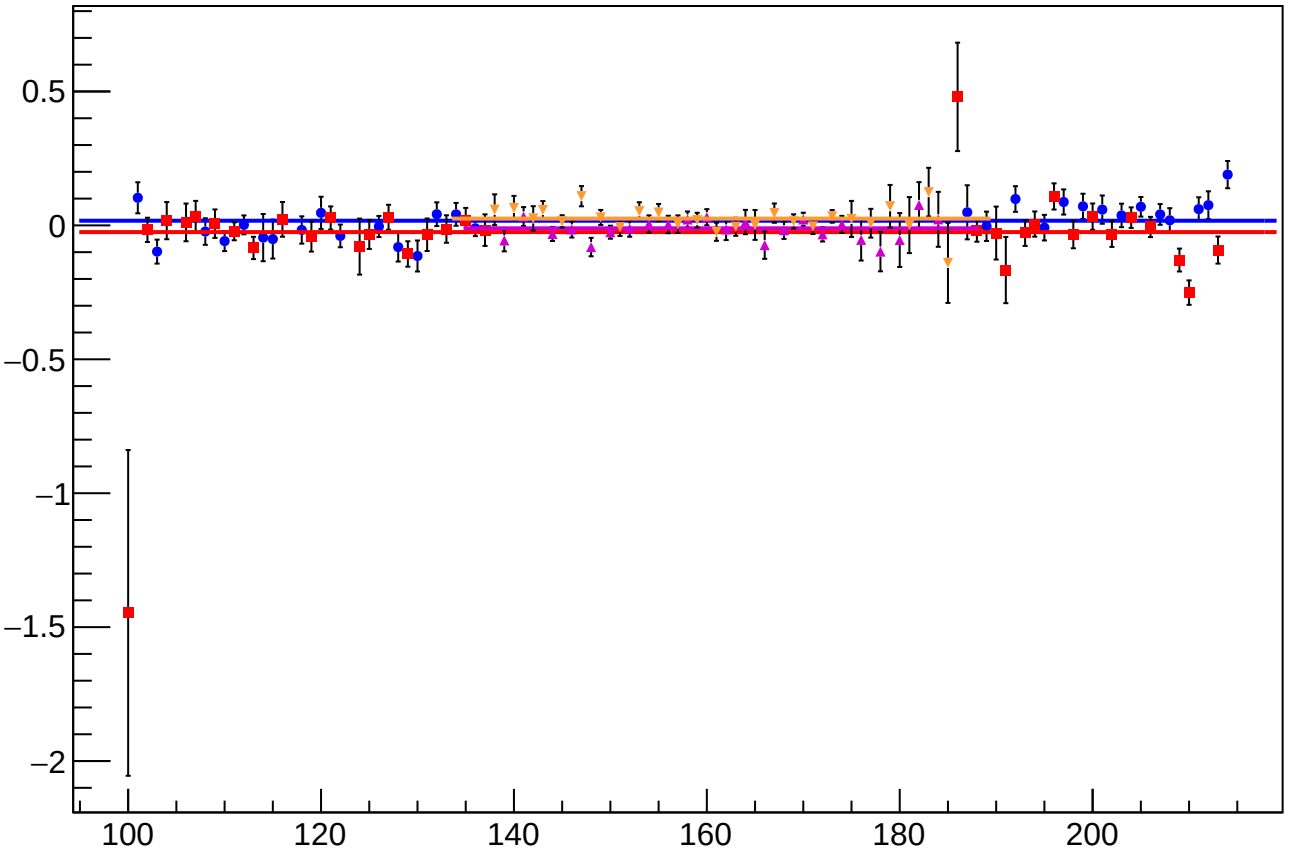
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.668+/-0.004 χ^2/NDF: 3804966.6/63

In: 31.516+/-0.004 χ^2/NDF:5177483.0/52

Out: 32.283+/-0.004 χ^2/NDF:6633721.4/58

All: 31.897+/-0.003 χ^2/NDF: 11830340.3/111



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

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

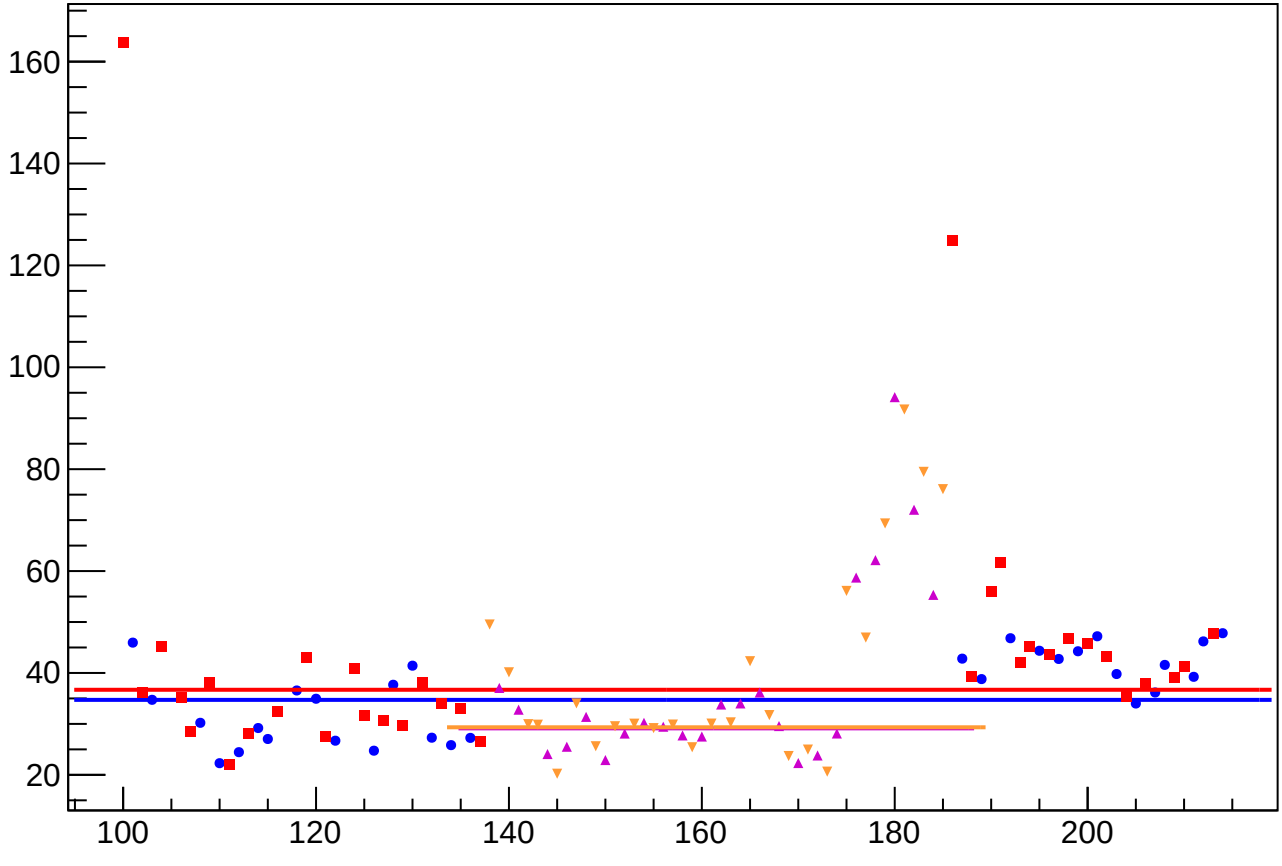
Right: -0.003+/-0.006 χ^2/NDF: 132.5/63

In: 0.001+/-0.006 χ^2/NDF:77.3/52

Out: 0.005+/-0.006 χ^2/NDF:105.7/58

All: 0.003+/-0.004 χ^2/NDF: 183.2/111

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

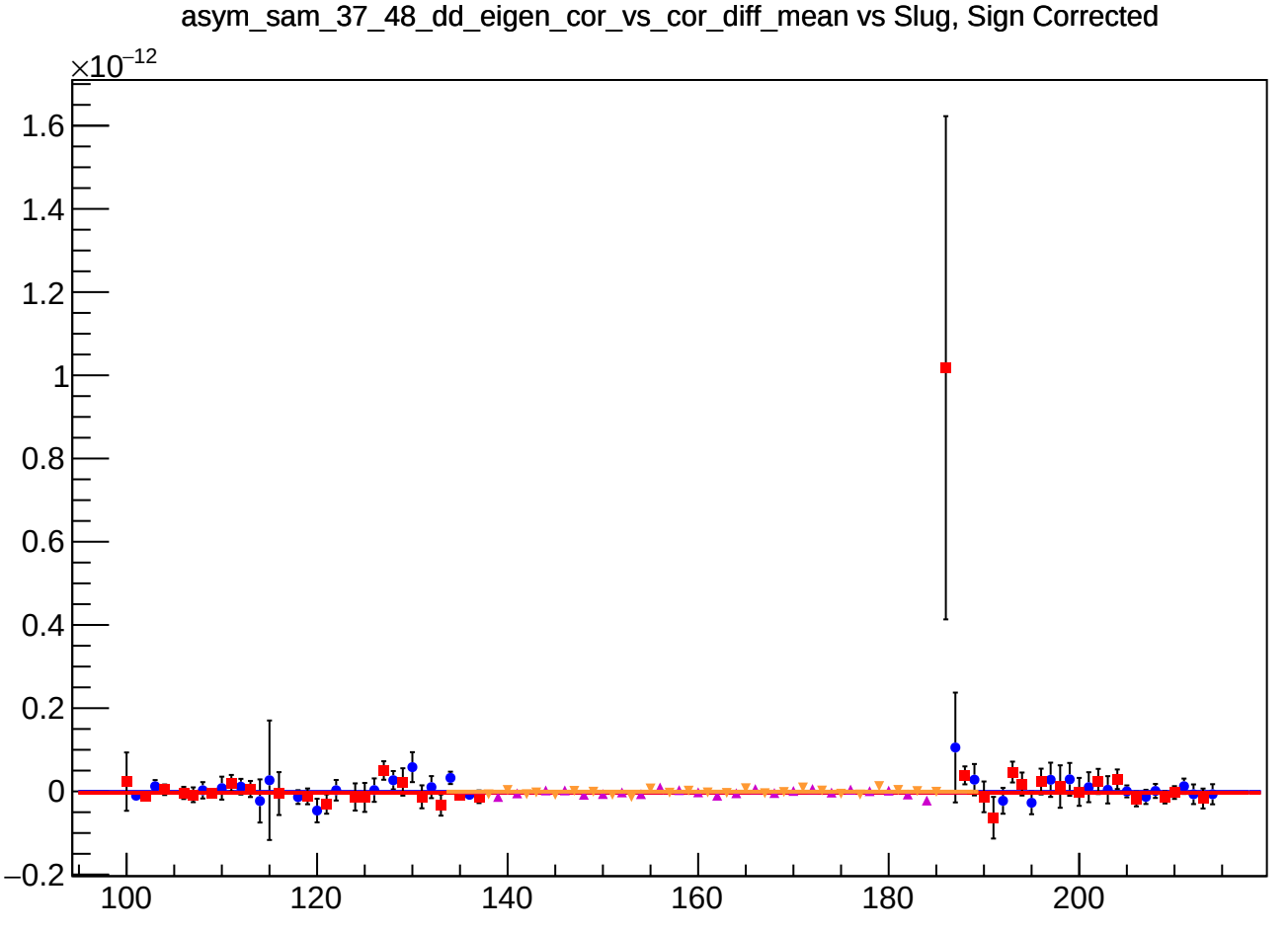
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.668+/-0.004 χ^2/NDF: 3804966.6/63

In: 31.516+/-0.004 χ^2/NDF:5177483.0/52

Out: 32.283+/-0.004 χ^2/NDF:6633721.4/58

All: 31.897+/-0.003 χ^2/NDF: 11830340.3/111



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

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

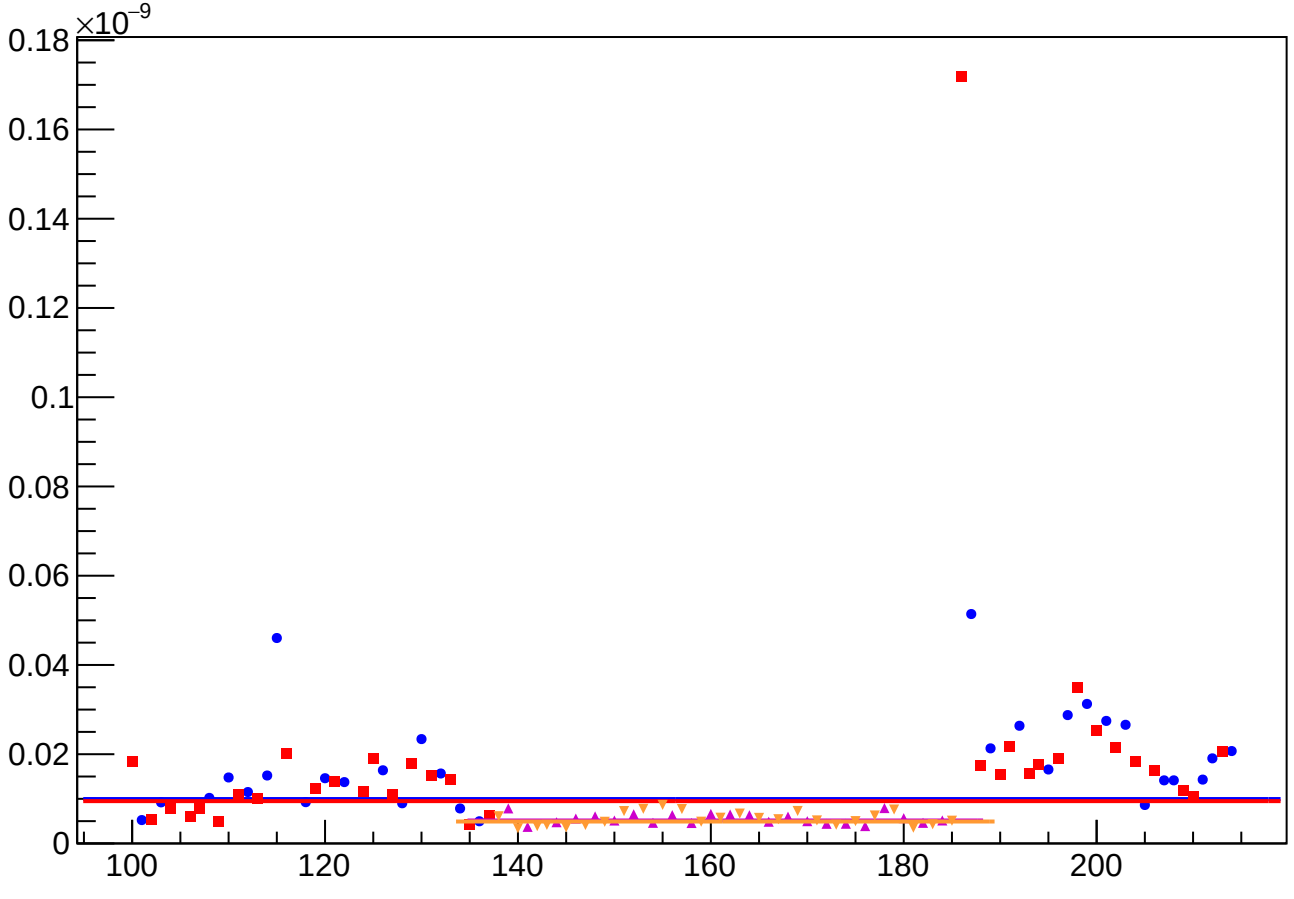
Right: -0.000+/-0.000 χ^2/NDF: 53.7/63

In: -0.000+/-0.000 χ^2/NDF:38.5/52

Out: -0.000+/-0.000 χ^2/NDF:47.2/58

All: -0.000+/-0.000 χ^2/NDF: 85.7/111

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

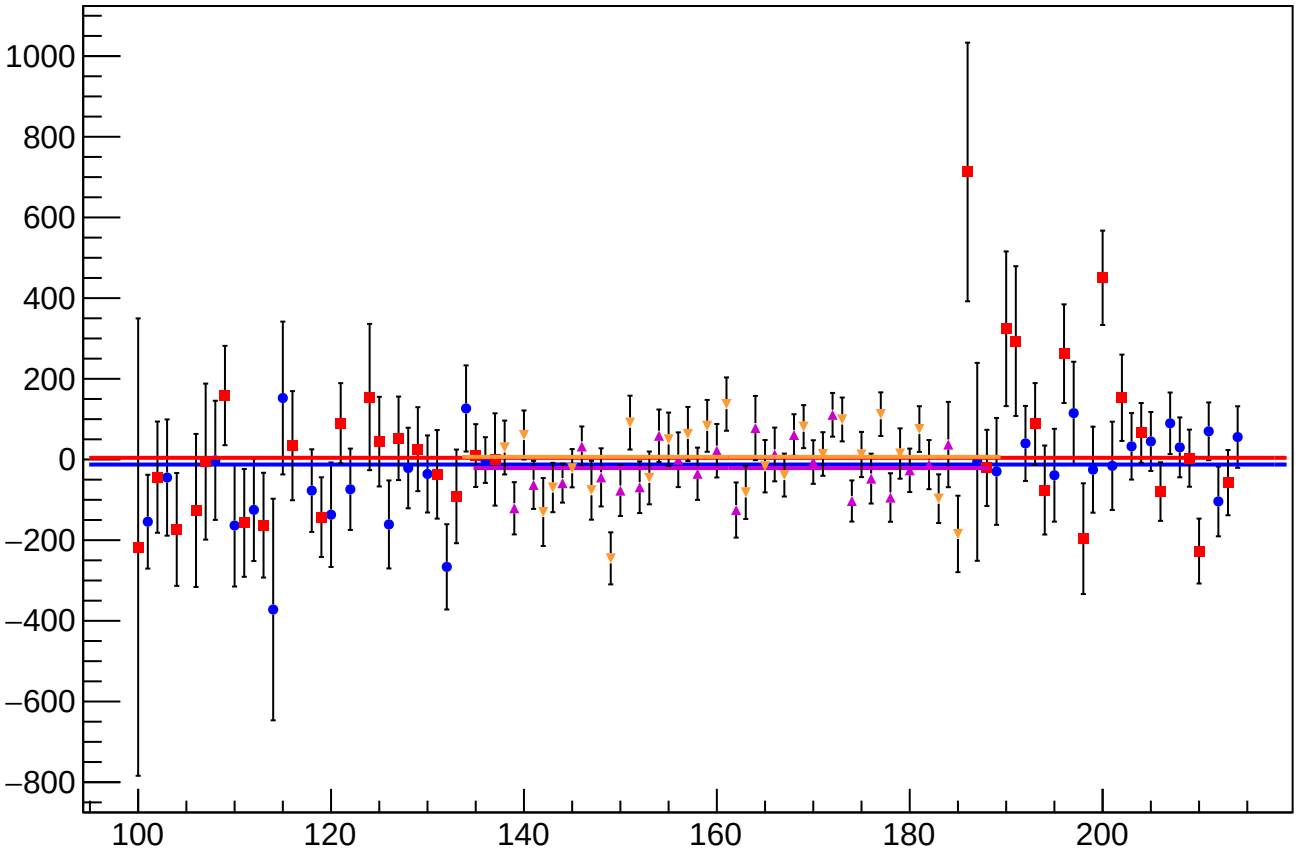
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13050372.4/63

In: 0.000+/-0.000 χ^2/NDF:11423573.7/52

Out: 0.000+/-0.000 χ^2/NDF:11526074.4/58

All: 0.000+/-0.000 χ^2/NDF: 22995445.7/111



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

Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

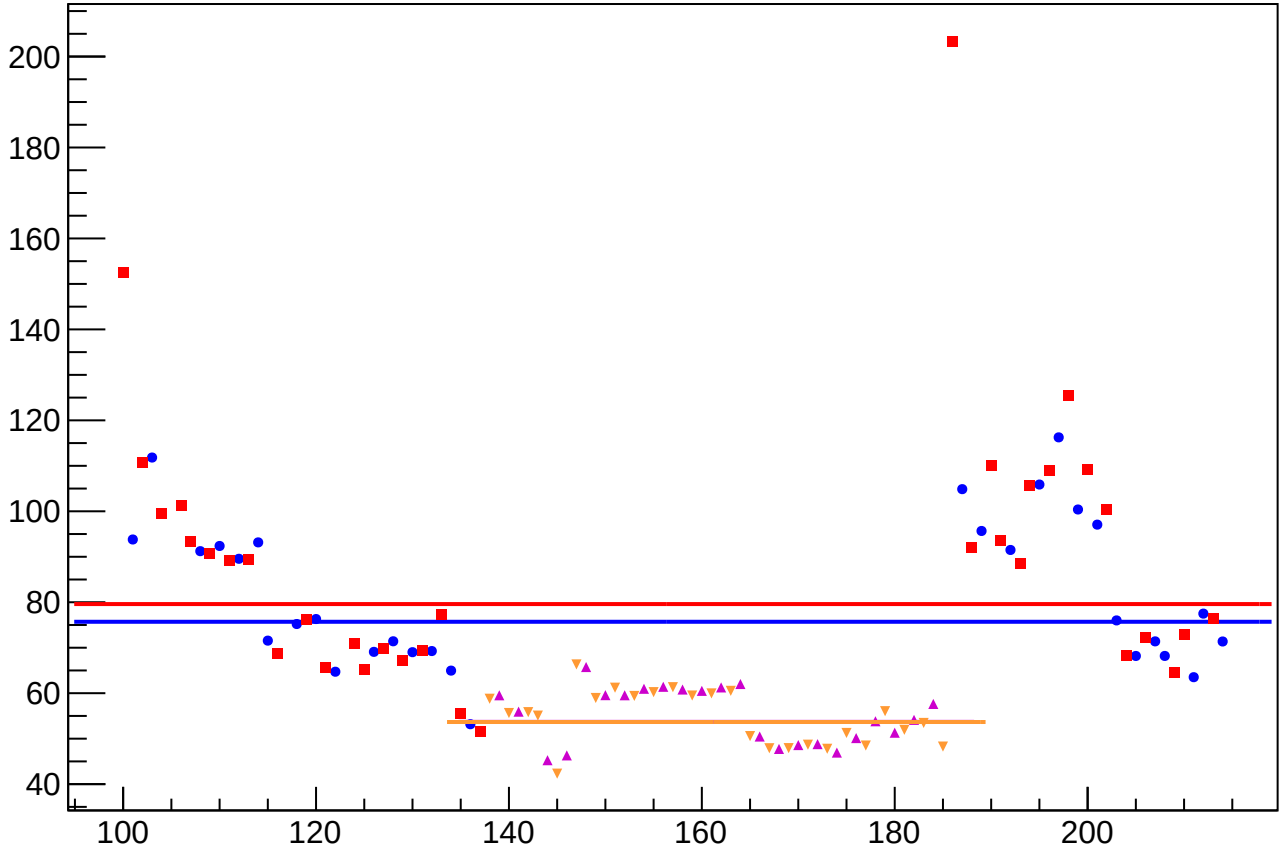
Right: -4.530+/-13.074 χ^2/NDF: 82.3/63

In: -18.458+/-10.377 χ^2/NDF:50.1/52

Out: 5.803+/-10.294 χ^2/NDF:107.9/58

All: -6.229+/-7.308 χ^2/NDF: 160.8/111

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

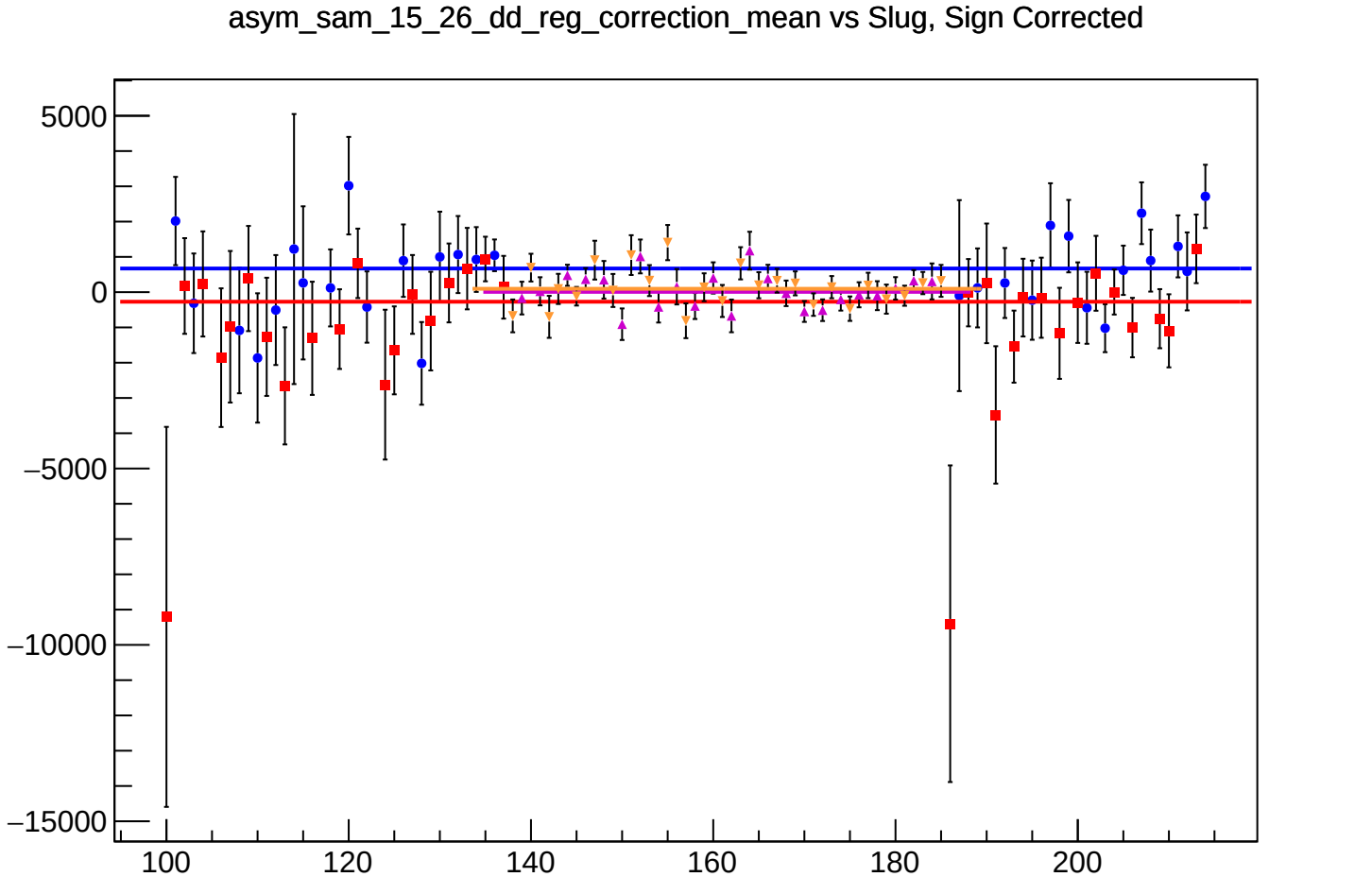
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 77.578+/-0.009 χ^2/NDF: 3413088.0/63

In: 60.892+/-0.007 χ^2/NDF:3861600.5/52

Out: 61.399+/-0.007 χ^2/NDF:5087659.0/58

All: 61.147+/-0.005 χ^2/NDF: 8951661.6/111



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

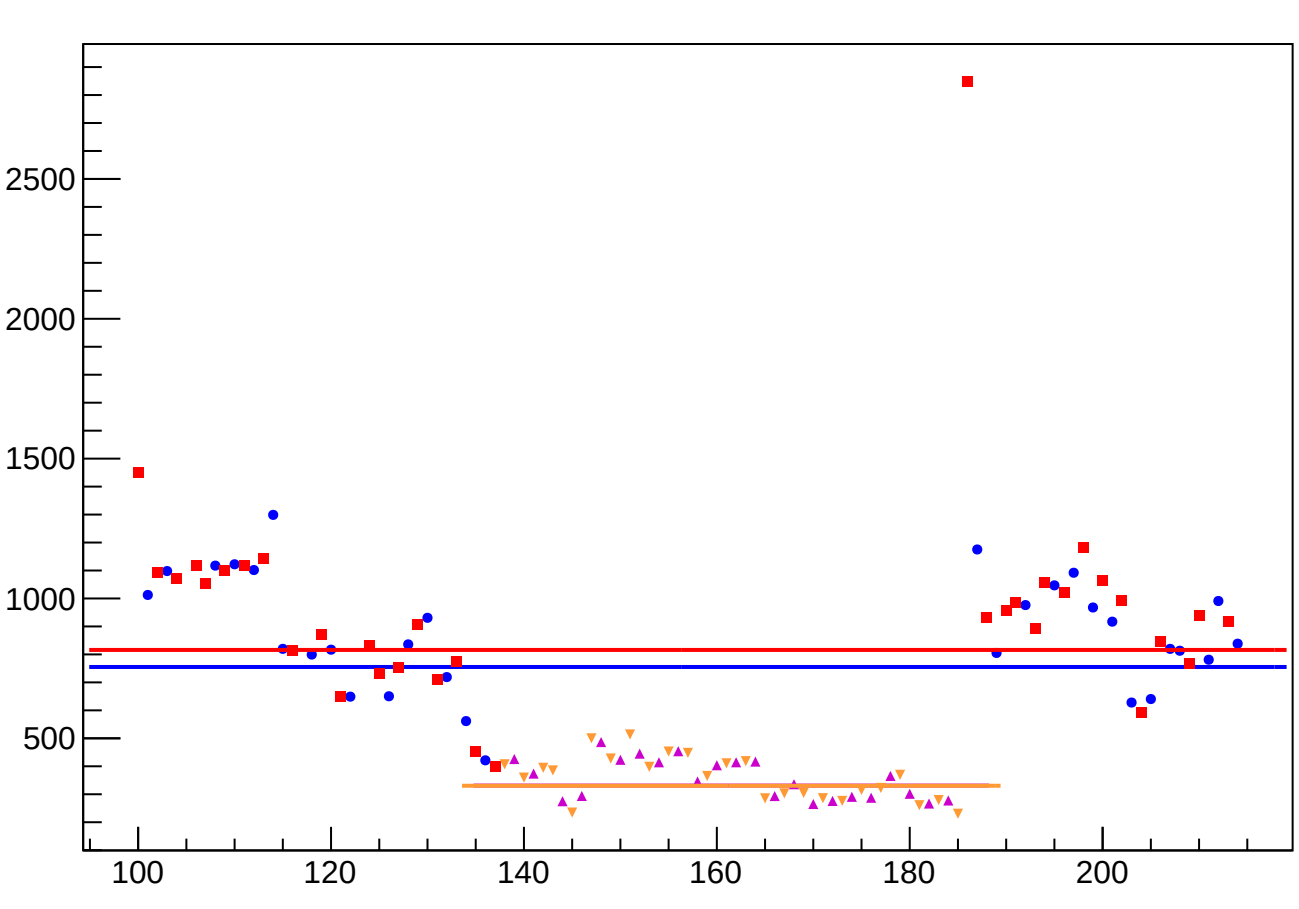
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 227.653+/-133.898 χ^2/NDF: 77.2/63

In: 111.335+/-72.685 χ^2/NDF:78.3/52

Out: 45.942+/-71.742 χ^2/NDF:66.0/58

All: 78.212+/-51.059 χ^2/NDF: 144.8/111



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

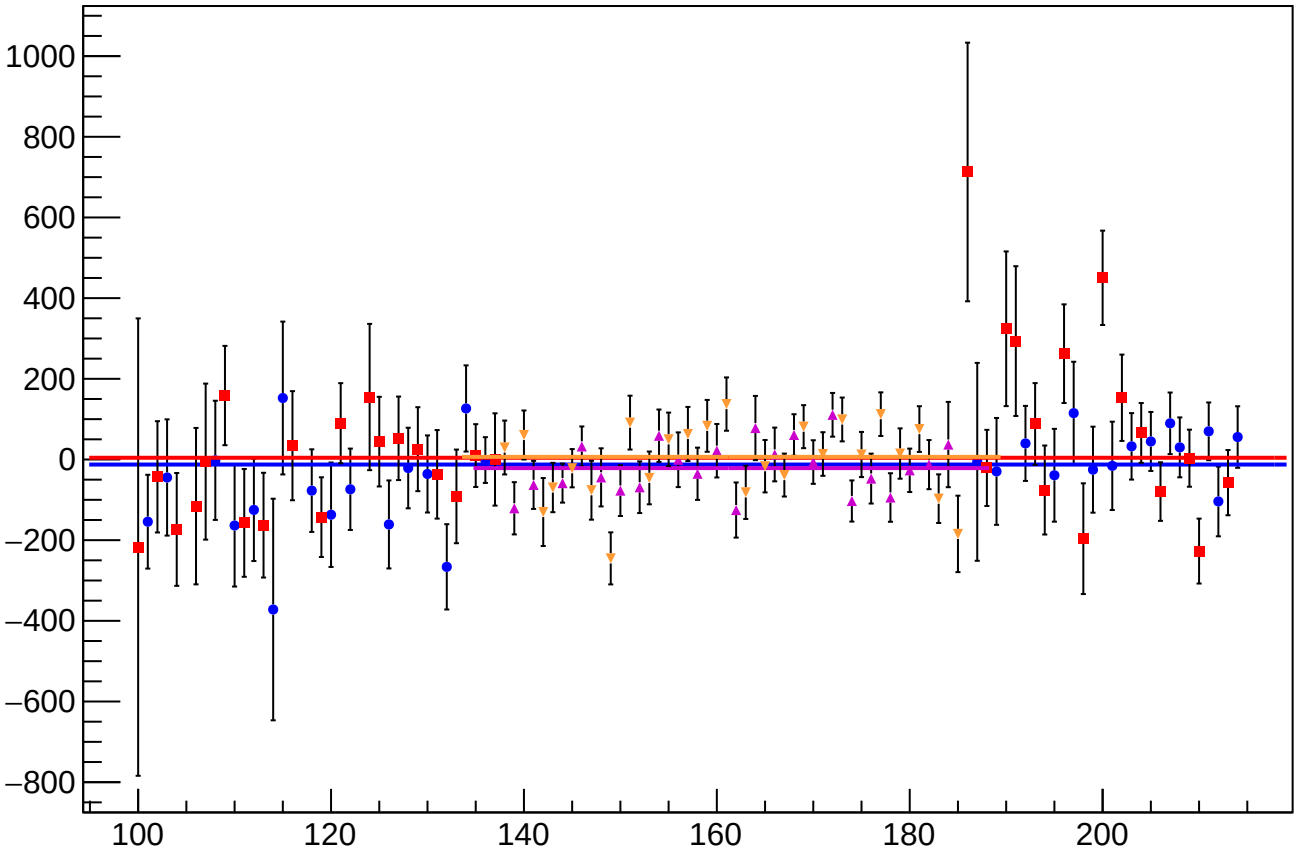
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

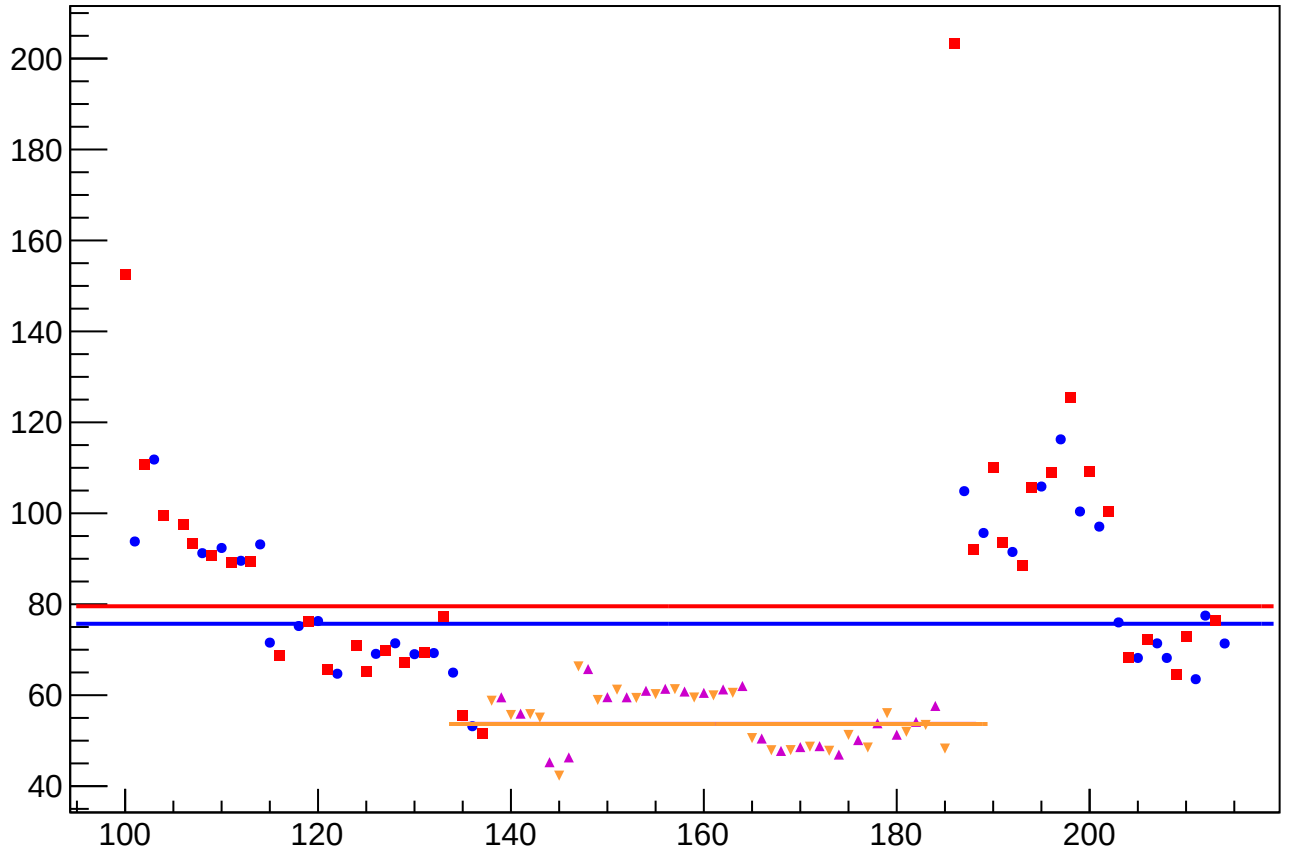
Right: 783.705+/-0.095 χ^2/NDF: 5664765.5/63

In: 397.276+/-0.051 χ^2/NDF:12928148.0/52

Out: 395.928+/-0.051 χ^2/NDF:15375927.3/58

All: 396.593+/-0.036 χ^2/NDF: 28304424.1/11


cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: -12.528+/-18.147 χ²/NDF: 24.6/29
Left Out: 6.526+/-12.287 χ²/NDF:50.6/24
Right Out: 4.279+/-18.855 χ²/NDF: 57.2/33
Left In: -21.335+/-12.649 χ²/NDF:25.4/22
Left: -7.000+/-8.814 χ²/NDF: 78.5/47
Right: -4.446+/-13.075 χ²/NDF: 82.2/63
In: -18.455+/-10.377 χ²/NDF:50.1/52
Out: 5.856+/-10.294 χ²/NDF:107.8/58
All: -6.202+/-7.308 χ²/NDF: 160.7/111



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

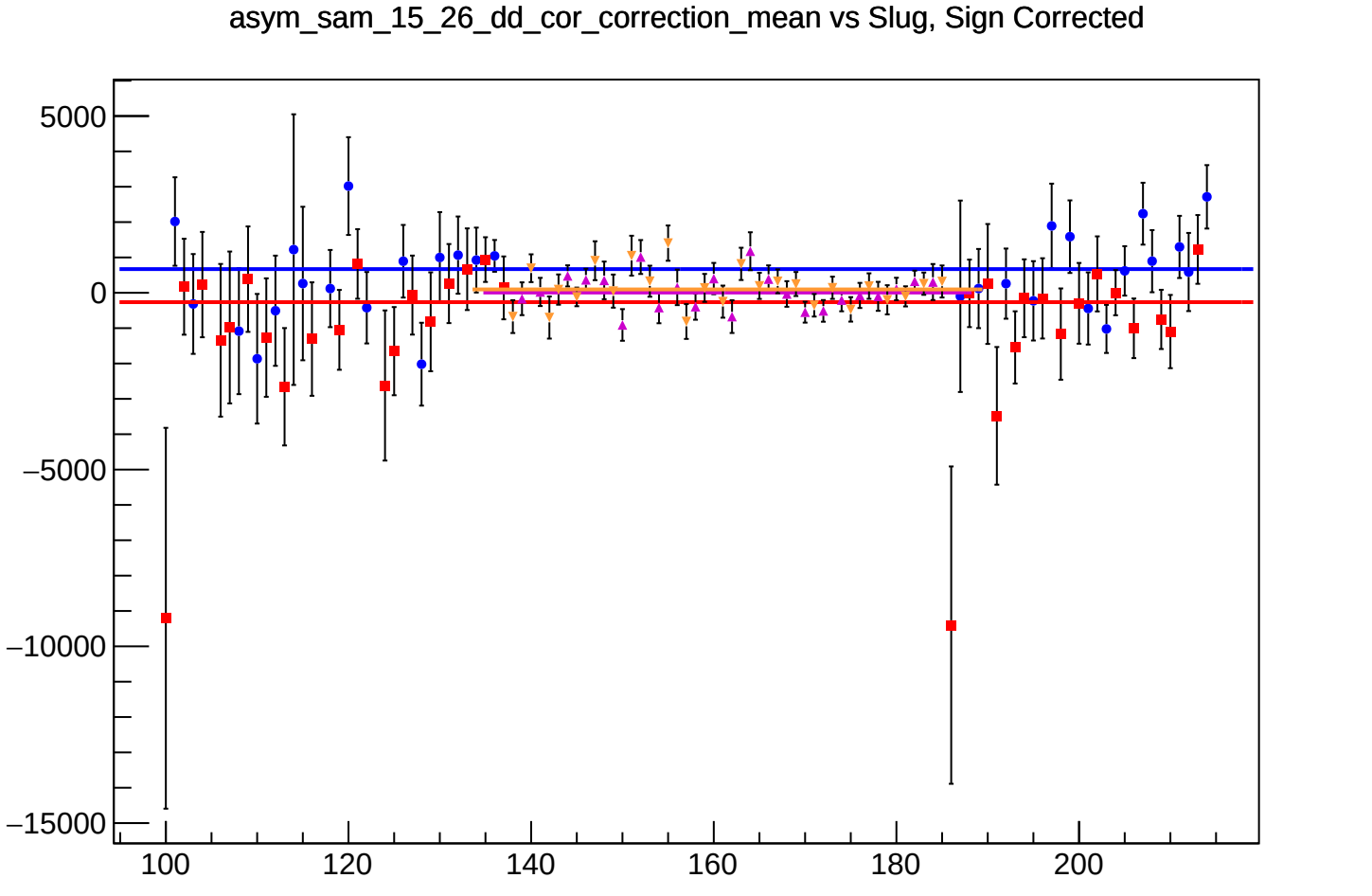
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 77.557+/-0.009 χ^2/NDF: 3403500.9/63

In: 60.892+/-0.007 χ^2/NDF:3861603.0/52

Out: 61.383+/-0.007 χ^2/NDF:5069346.8/58

All: 61.140+/-0.005 χ^2/NDF: 8933208.4/111



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

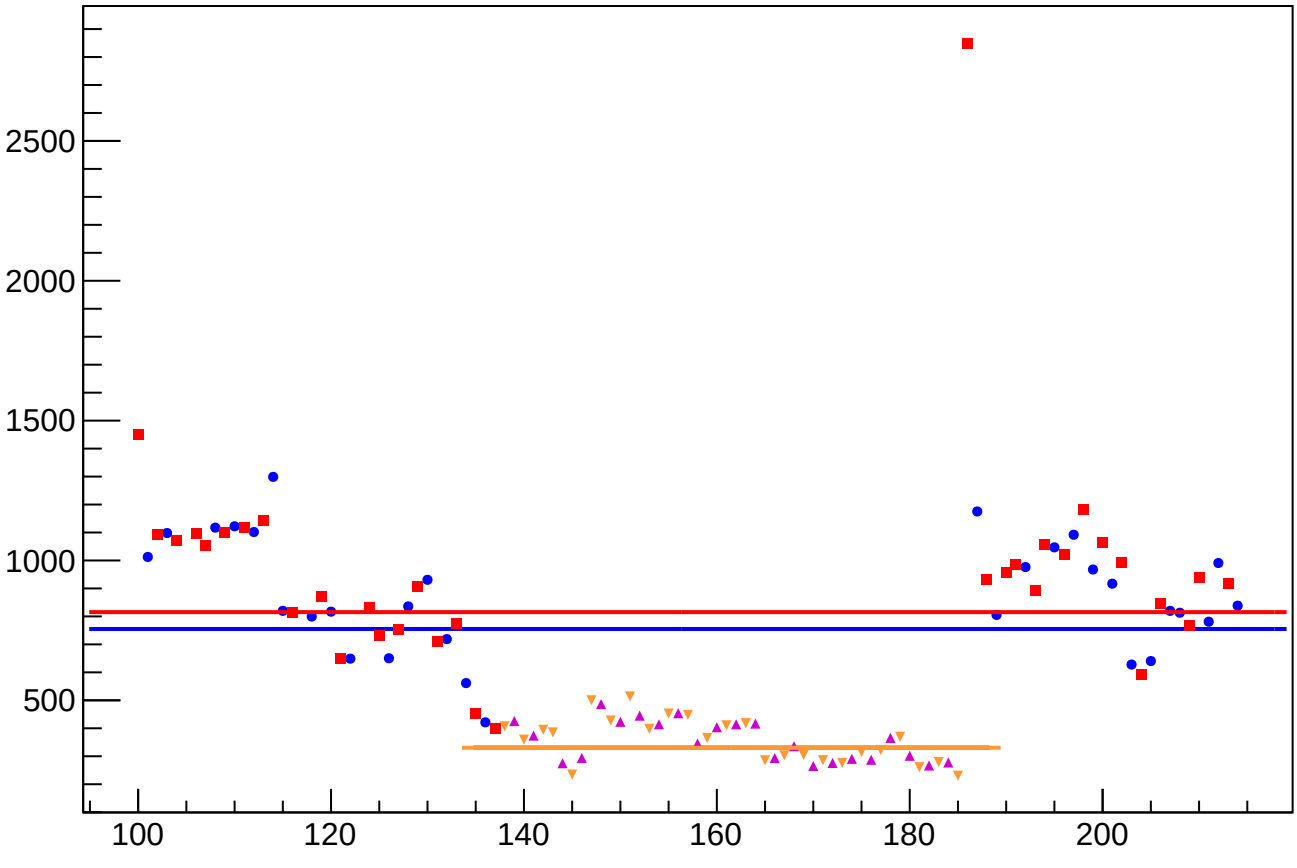
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 231.260+/-133.952 χ^2/NDF: 76.6/63

In: 111.331+/-72.685 χ^2/NDF:78.3/52

Out: 46.938+/-71.750 χ^2/NDF:65.5/58

All: 78.718+/-51.062 χ^2/NDF: 144.2/111



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

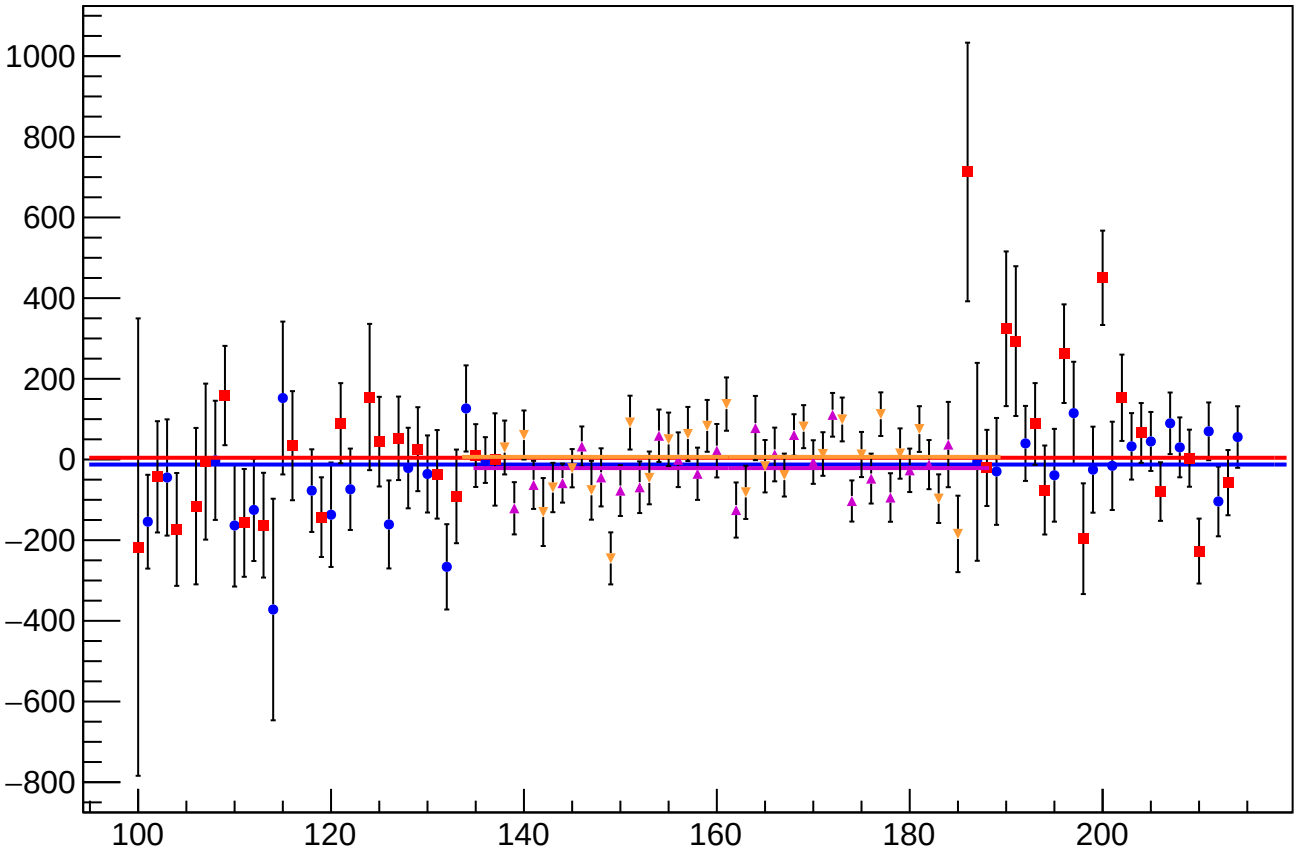
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 783.355+/-0.095 χ^2/NDF: 5648867.7/63

In: 397.276+/-0.051 χ^2/NDF:12928182.6/52

Out: 395.737+/-0.051 χ^2/NDF:15316121.9/58

All: 396.496+/-0.036 χ^2/NDF: 28244758.5/11



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

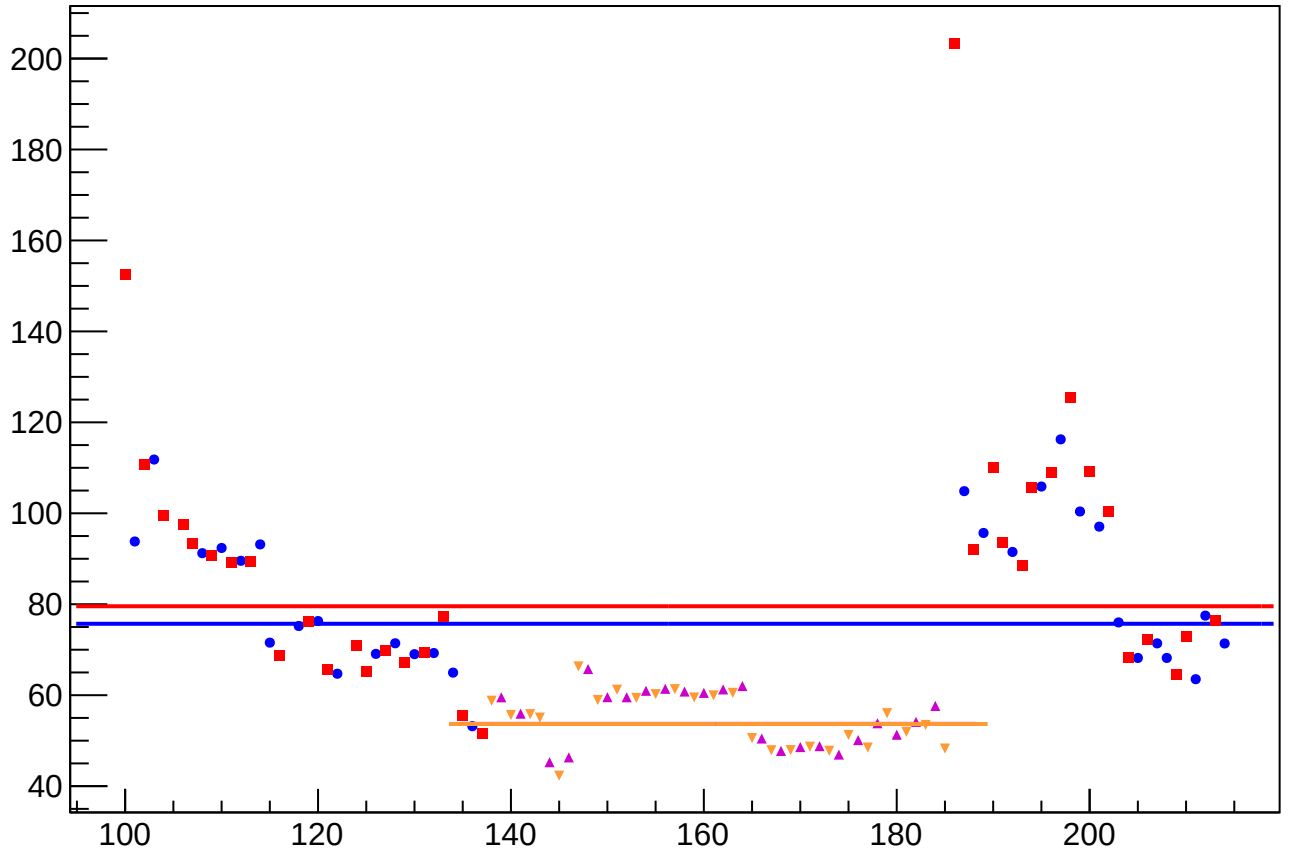
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -4.446+/-13.075 χ^2/NDF: 82.2/63

In: -18.455+/-10.377 χ^2/NDF:50.1/52

Out: 5.856+/-10.294 χ^2/NDF:107.8/58

All: -6.202+/-7.308 χ^2/NDF: 160.7/111



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

Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

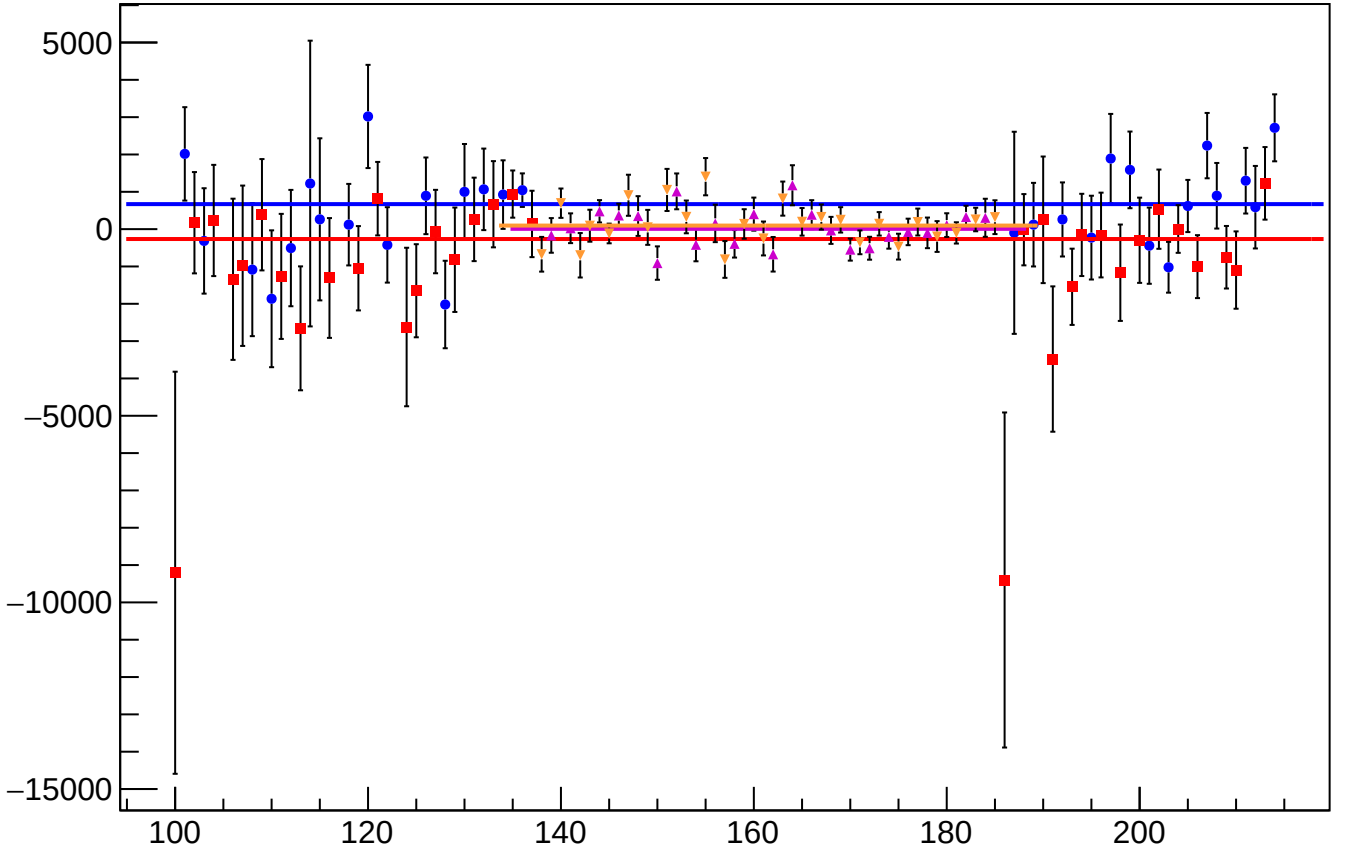
Right: 77.557+/-0.009 χ^2/NDF: 3403500.9/63

In: 60.892+/-0.007 χ^2/NDF:3861603.0/52

Out: 61.383+/-0.007 χ^2/NDF:5069346.8/58

All: 61.140+/-0.005 χ^2/NDF: 8933208.4/111

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

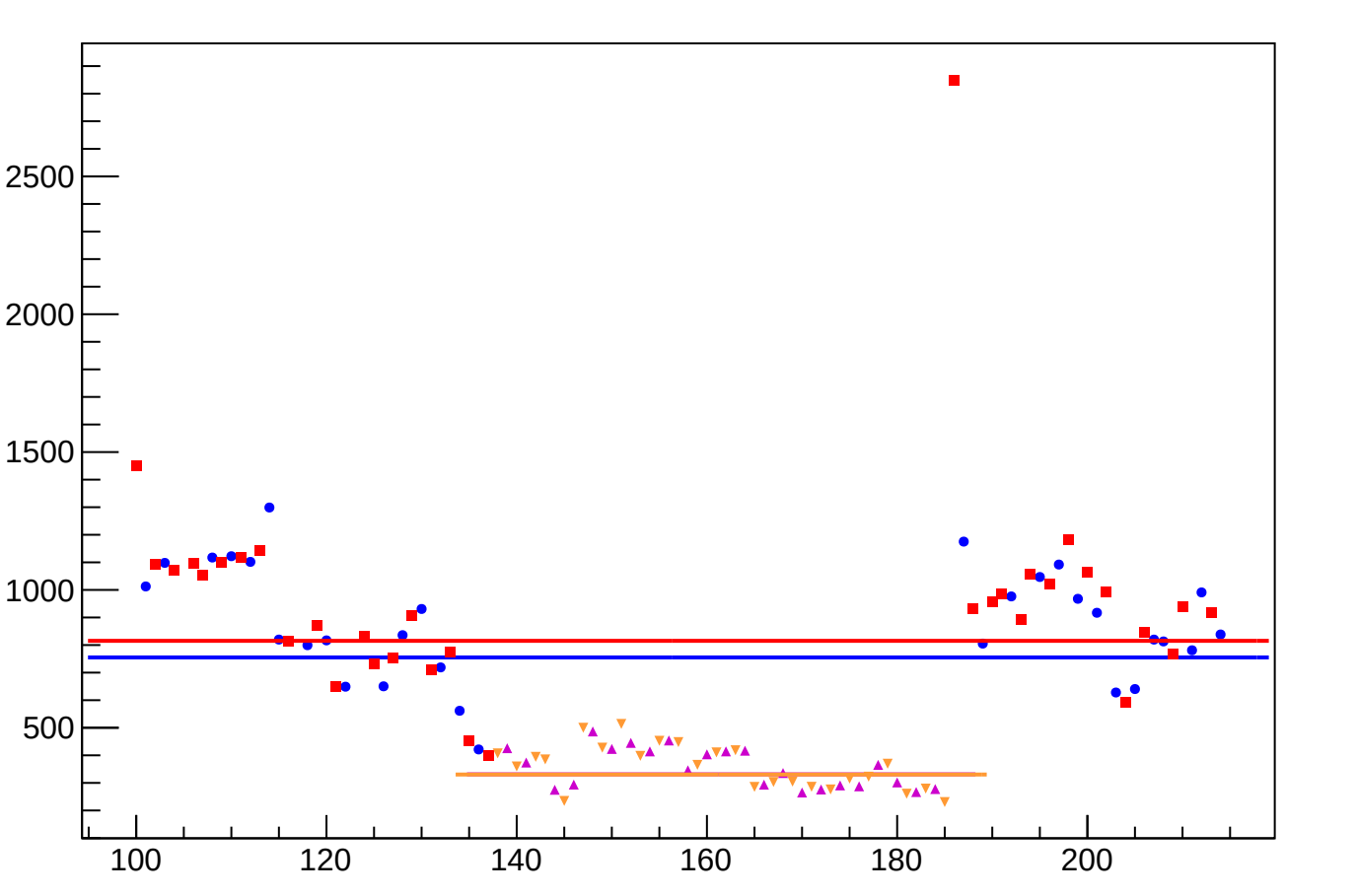
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

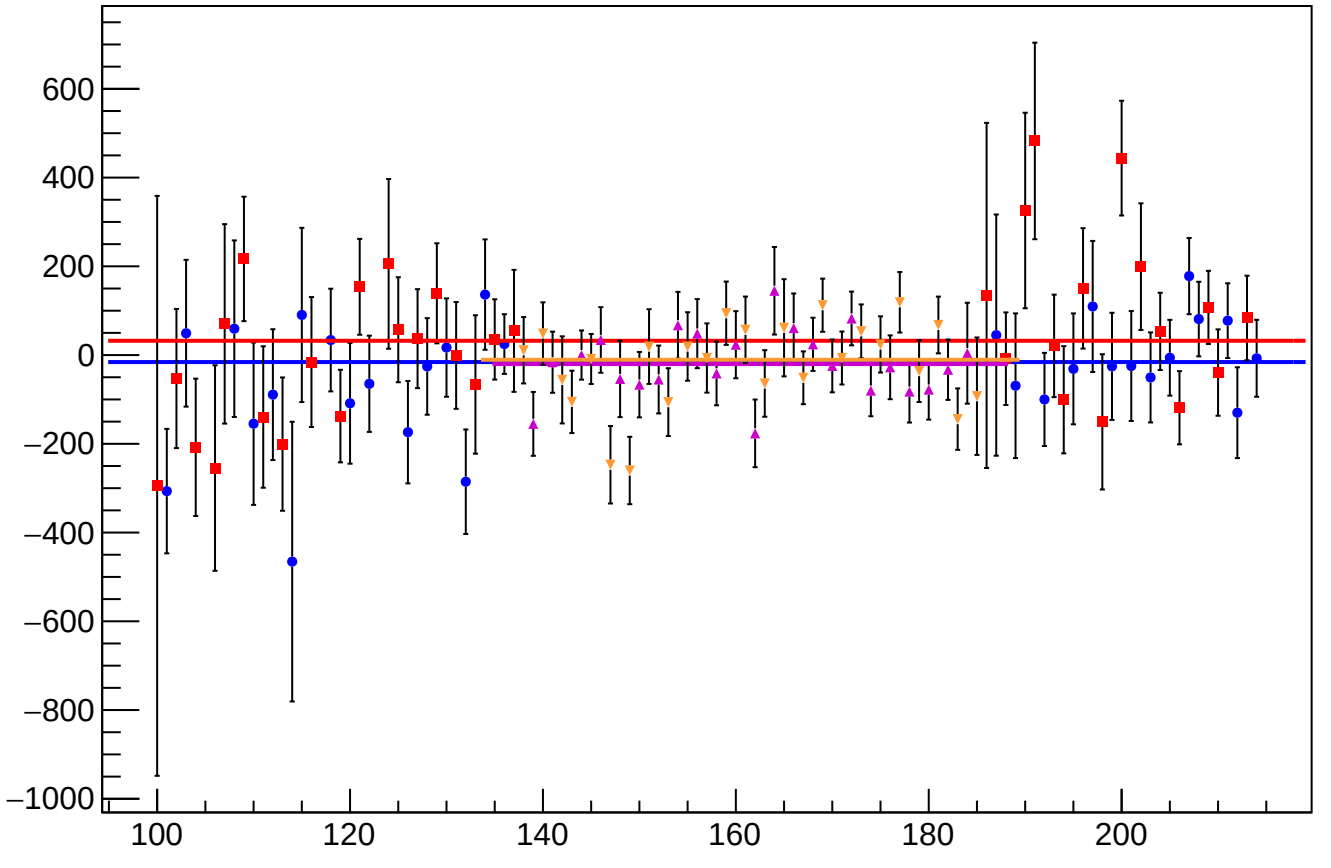
Right: 231.260+/-133.952 χ^2/NDF: 76.6/63

In: 111.331+/-72.685 χ^2/NDF:78.3/52

Out: 46.938+/-71.750 χ^2/NDF:65.5/58

All: 78.718+/-51.062 χ^2/NDF: 144.2/111


asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 755.056+/-0.130 χ²/NDF: 2633799.4/29
Left Out: 330.405+/-0.055 χ²/NDF:1752469.2/24
Right Out: 815.321+/-0.138 χ²/NDF: 2914237.2/33
Left In: 331.058+/-0.056 χ²/NDF:1325610.1/22
Left: 330.724+/-0.039 χ²/NDF: 3078149.1/47
Right: 783.355+/-0.095 χ²/NDF: 5648867.7/63
In: 397.276+/-0.051 χ²/NDF:12928182.6/52
Out: 395.737+/-0.051 χ²/NDF:15316121.9/58
All: 396.496+/-0.036 χ²/NDF: 28244758.5/1



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

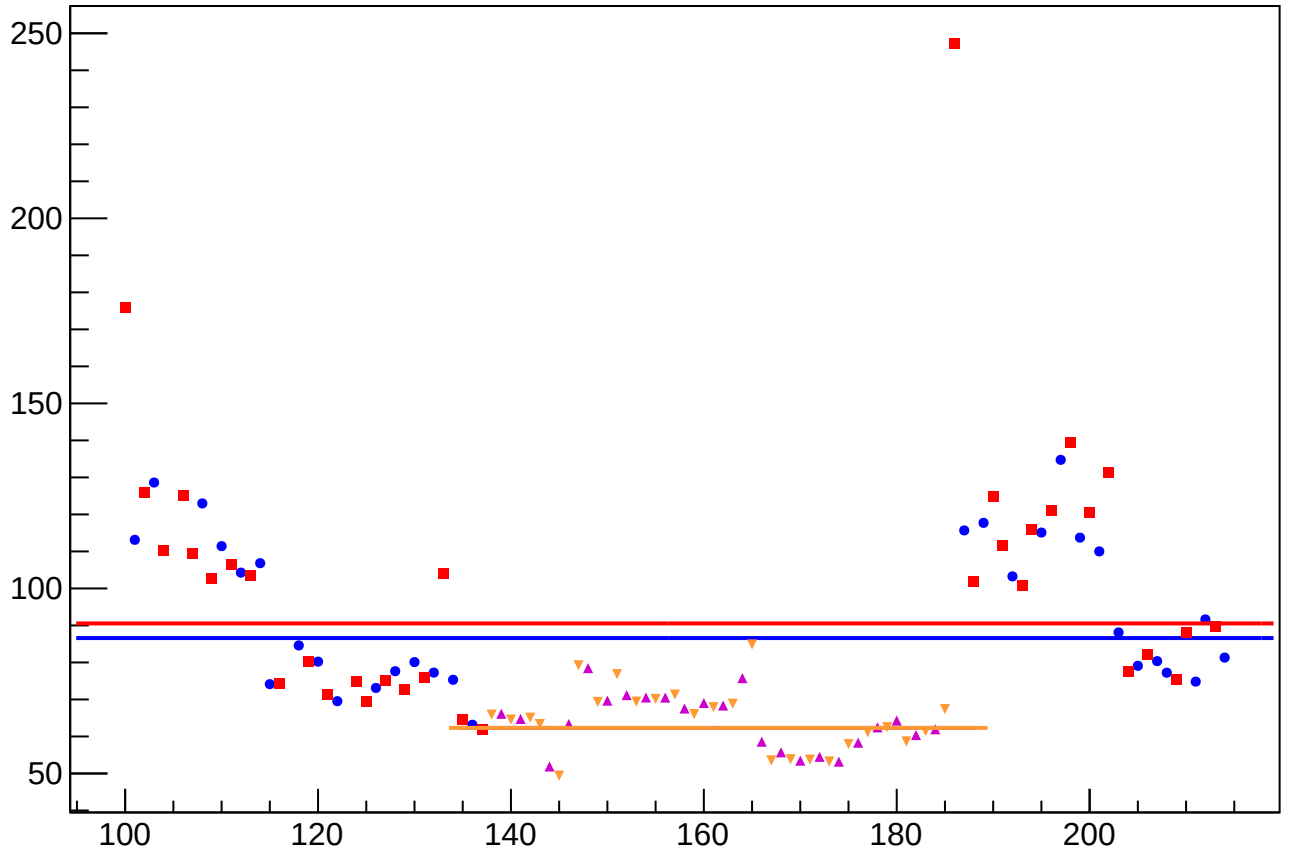
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 7.450+/-14.975 χ^2/NDF: 73.0/63

In: -18.781+/-12.039 χ^2/NDF:50.0/52

Out: 2.505+/-11.919 χ^2/NDF:87.2/58

All: -8.031+/-8.470 χ^2/NDF: 138.7/111



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

Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

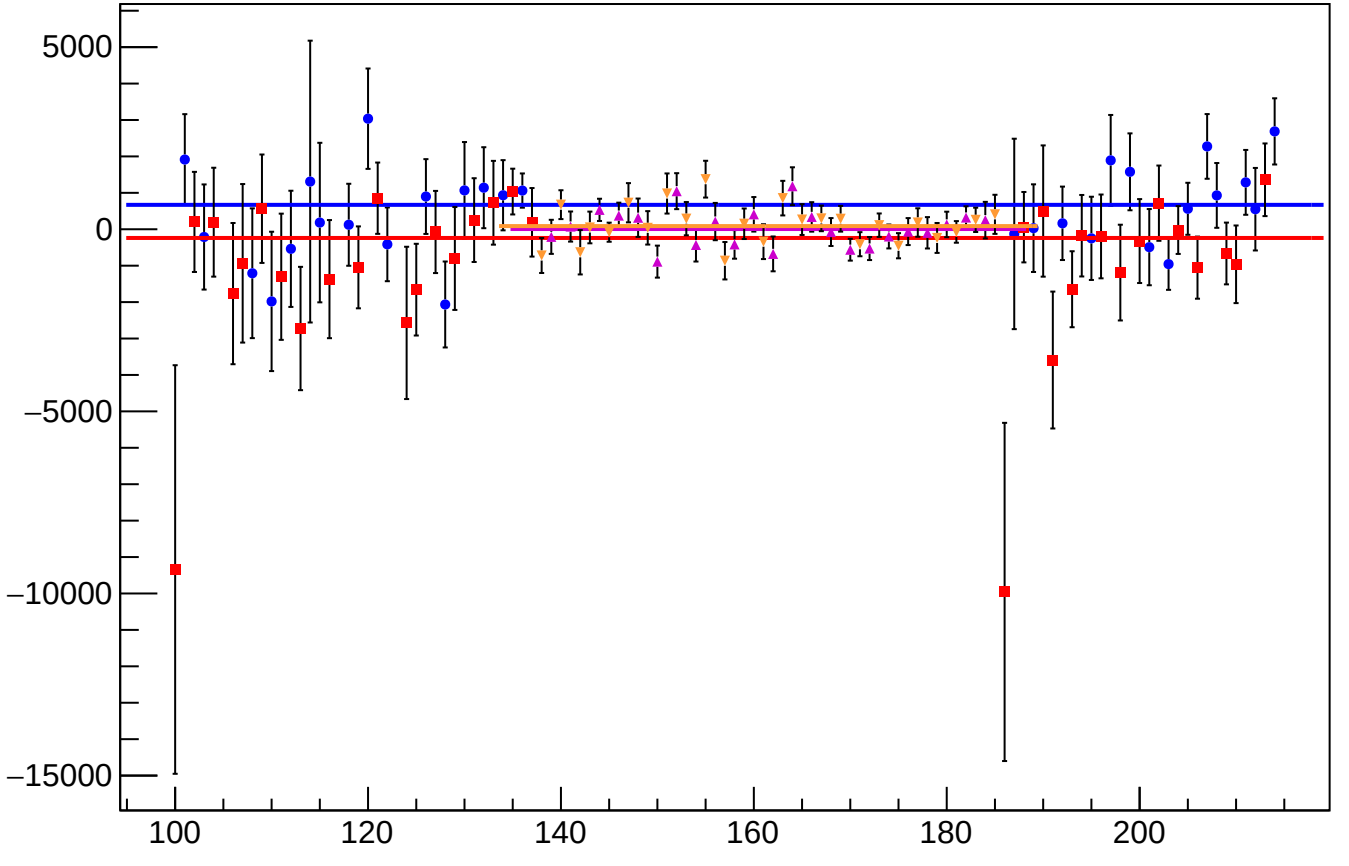
Right: 88.502+/-0.011 χ^2/NDF: 3572852.8/63

In: 70.415+/-0.009 χ^2/NDF:3753943.7/52

Out: 70.963+/-0.008 χ^2/NDF:5097425.6/58

All: 70.692+/-0.006 χ^2/NDF: 8853463.4/111

asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected



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

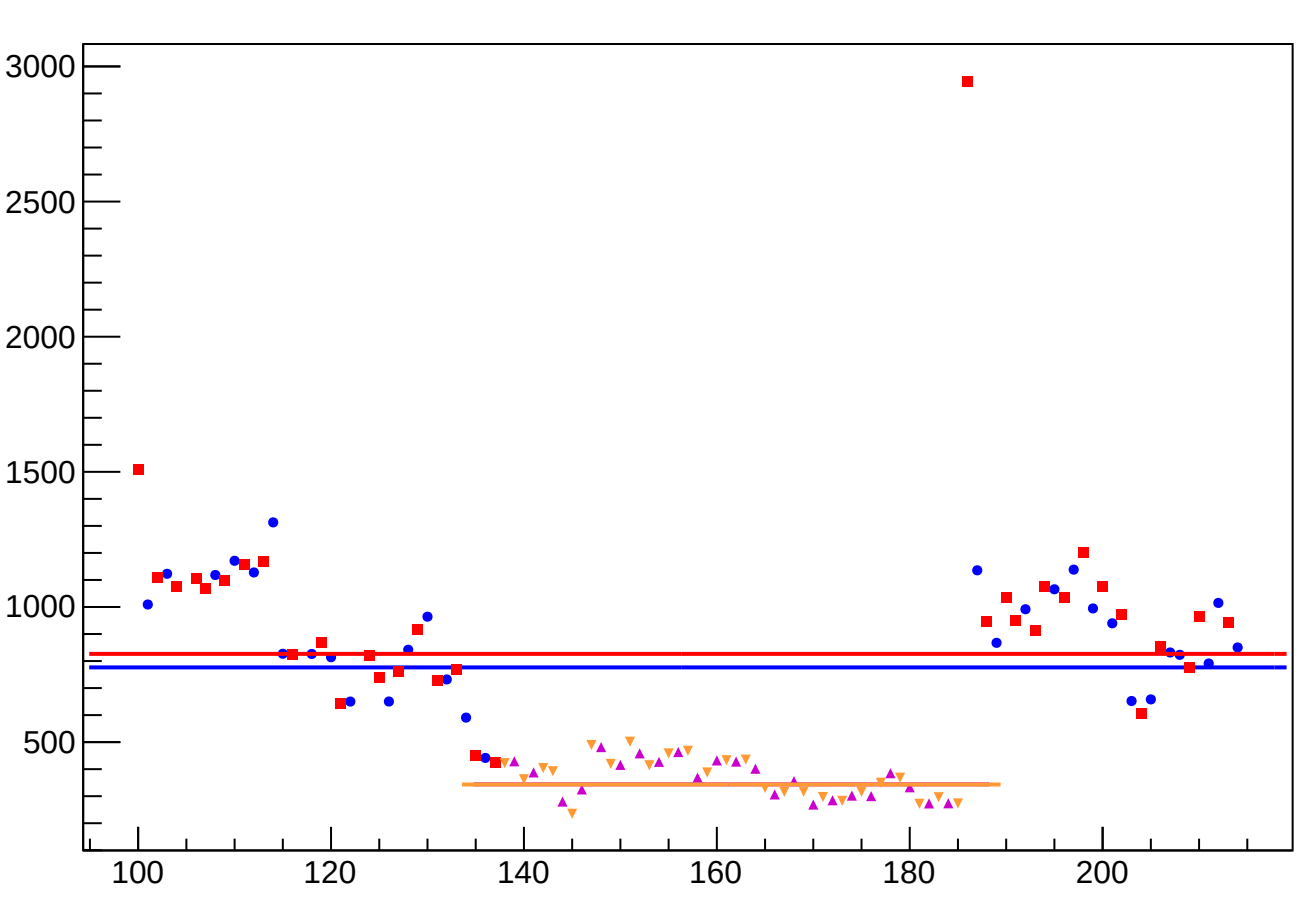
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 237.075+/-136.476 χ^2/NDF: 77.1/63

In: 112.250+/-75.286 χ^2/NDF:77.0/52

Out: 41.293+/-74.029 χ^2/NDF:65.8/58

All: 76.174+/-52.785 χ^2/NDF: 143.3/111



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

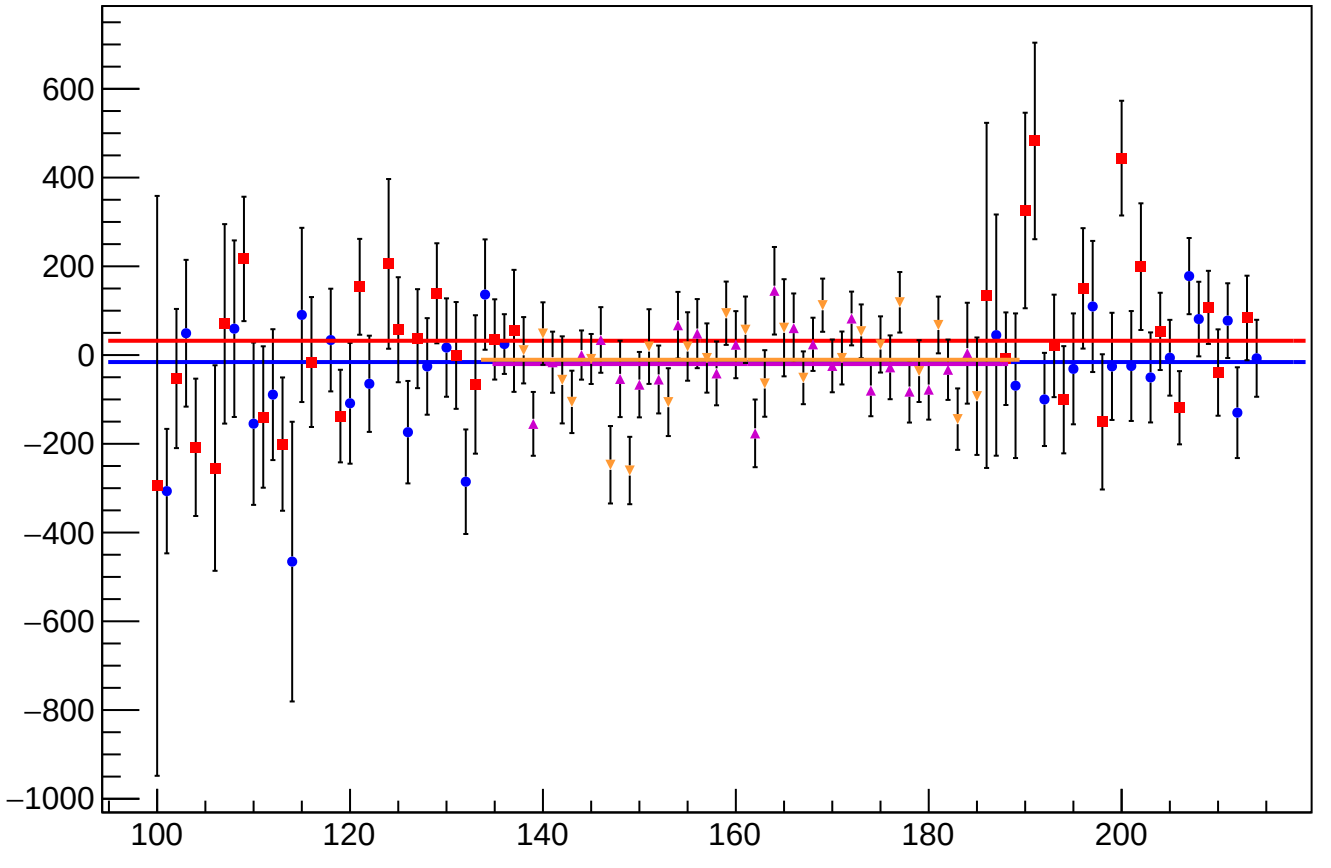
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 800.329+/-0.097 χ^2/NDF: 5471734.9/63

In: 412.669+/-0.053 χ^2/NDF:12600269.7/52

Out: 410.975+/-0.052 χ^2/NDF:14784551.4/58

All: 411.808+/-0.037 χ^2/NDF: 27385335.9/1



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

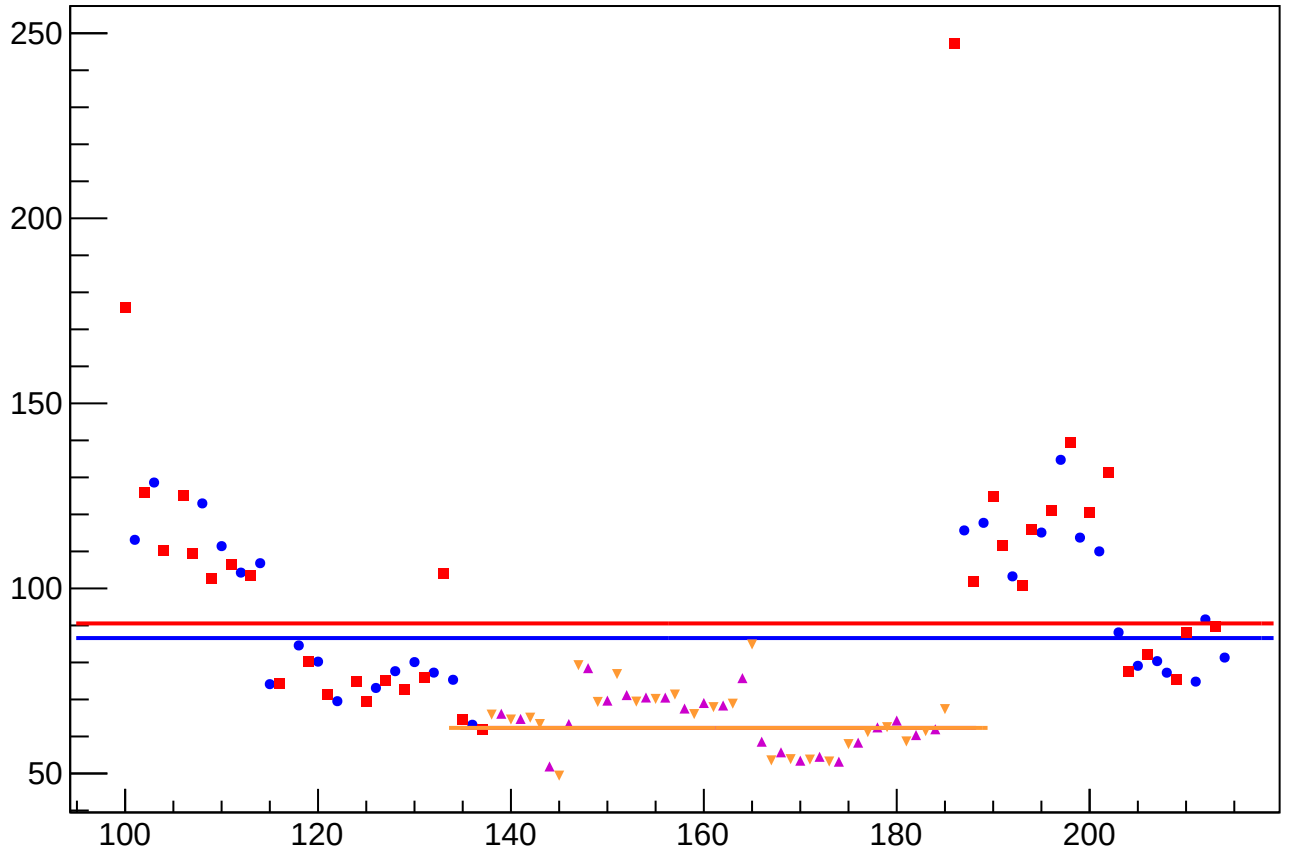
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 7.449+/-14.975 χ^2/NDF: 73.0/63

In: -18.781+/-12.039 χ^2/NDF:50.0/52

Out: 2.505+/-11.919 χ^2/NDF:87.2/58

All: -8.031+/-8.470 χ^2/NDF: 138.7/111



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

Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

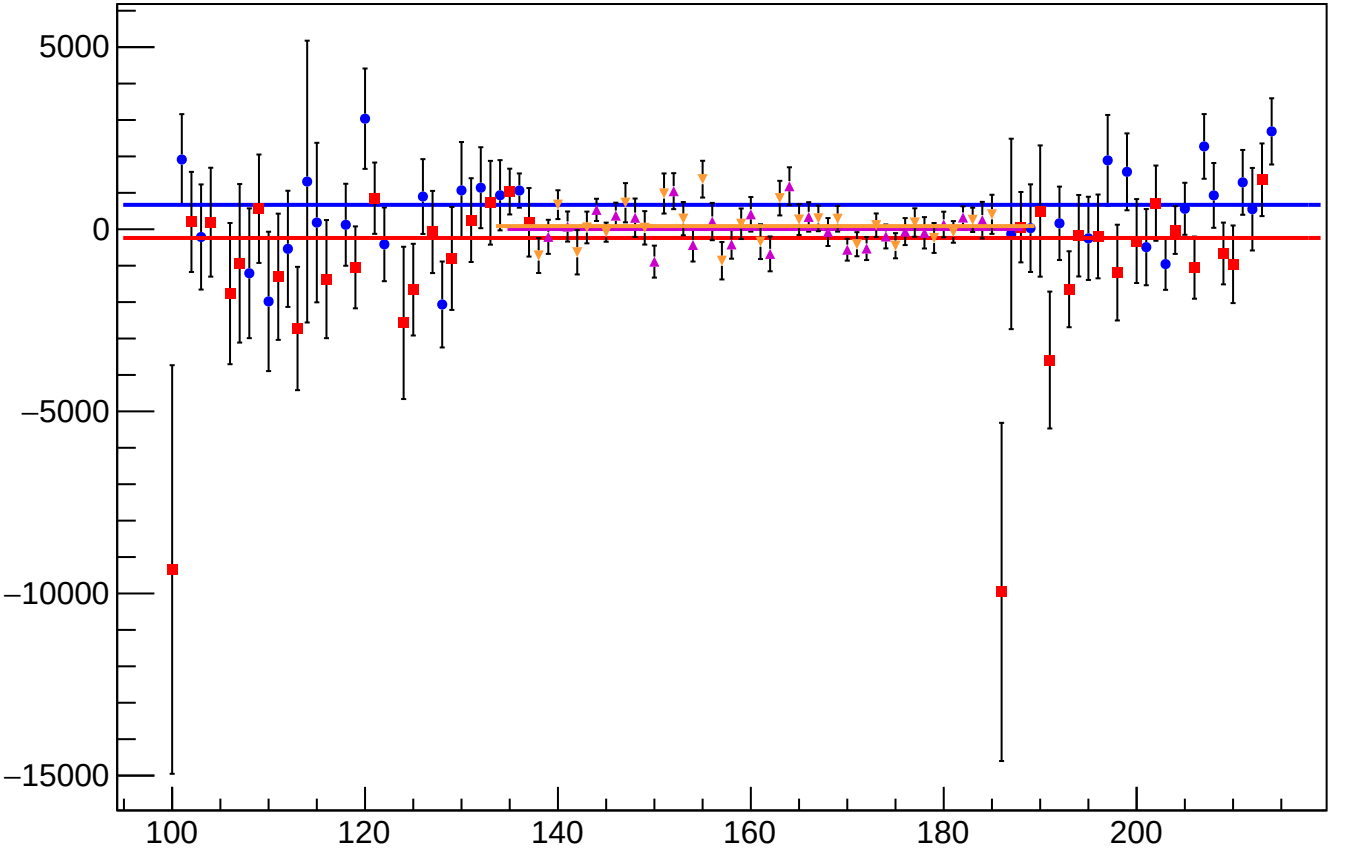
Right: 88.502+/-0.011 χ^2/NDF: 3572865.2/63

In: 70.415+/-0.009 χ^2/NDF:3753892.4/52

Out: 70.963+/-0.008 χ^2/NDF:5097394.7/58

All: 70.692+/-0.006 χ^2/NDF: 8853380.6/111

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

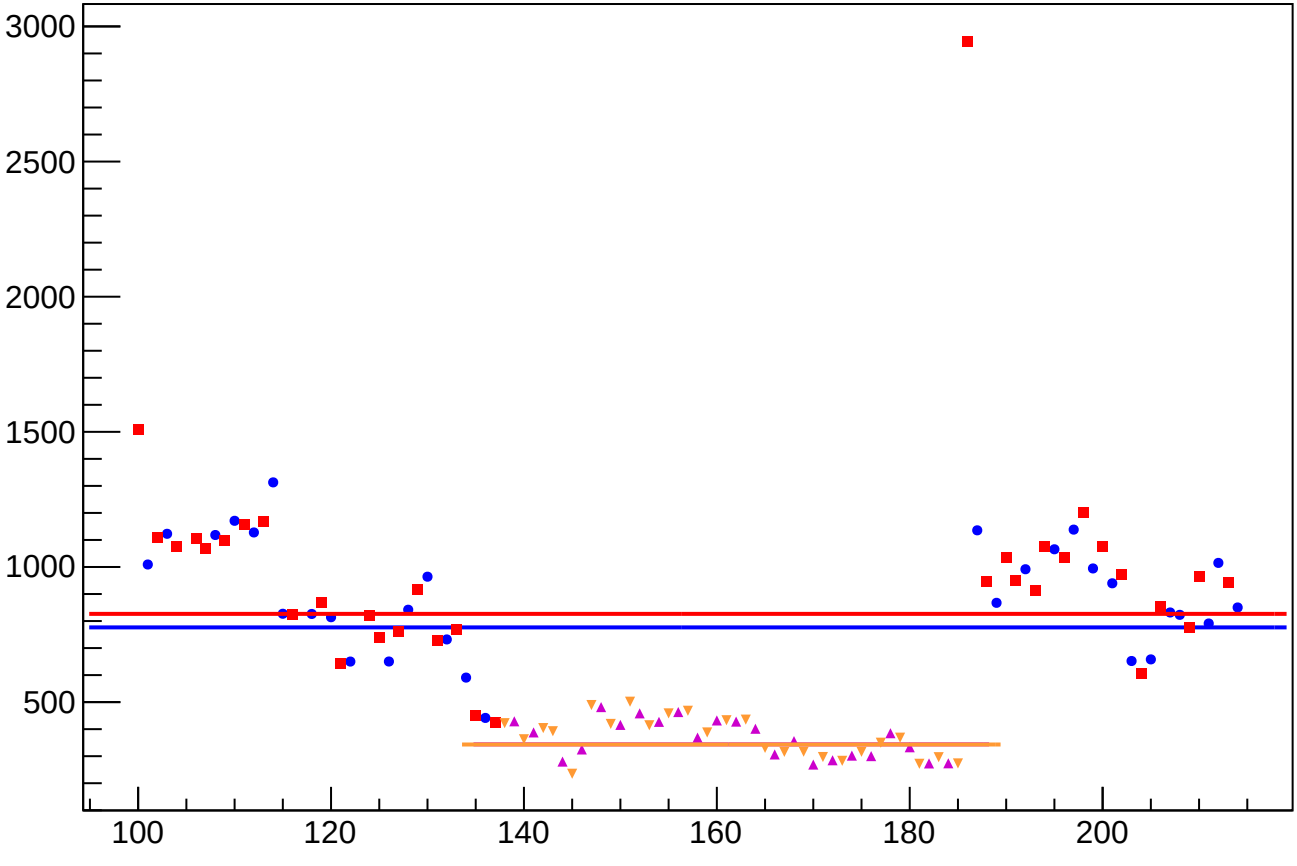
Right: 237.075+/-136.476 χ^2/NDF: 77.1/63

In: 112.251+/-75.286 χ^2/NDF:77.0/52

Out: 41.293+/-74.029 χ^2/NDF:65.8/58

All: 76.175+/-52.785 χ^2/NDF: 143.3/111

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

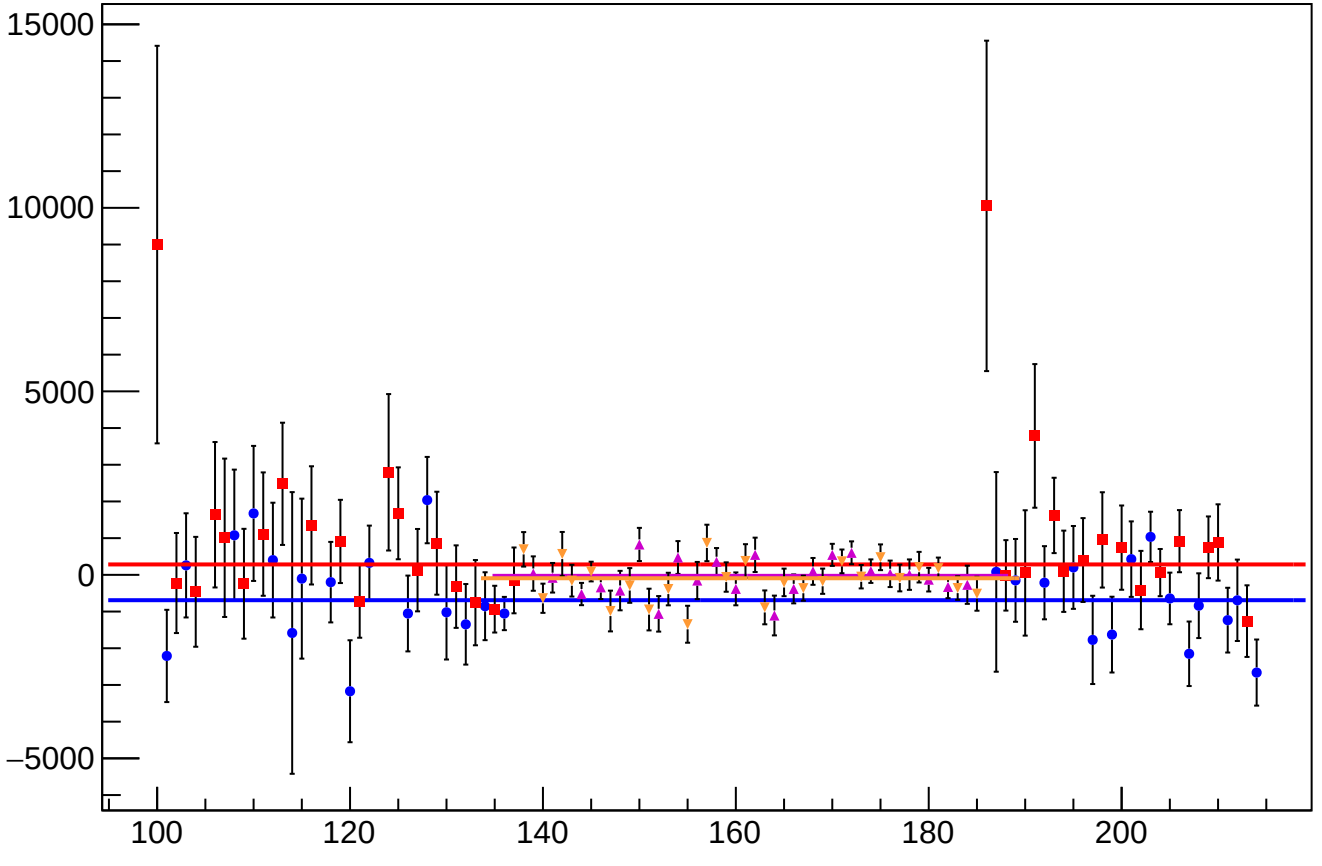
Right: 800.329+/-0.097 χ^2/NDF: 5471710.8/63

In: 412.669+/-0.053 χ^2/NDF:12600266.0/52

Out: 410.975+/-0.052 χ^2/NDF:14784562.4/58

All: 411.808+/-0.037 χ^2/NDF: 27385343.2/11

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

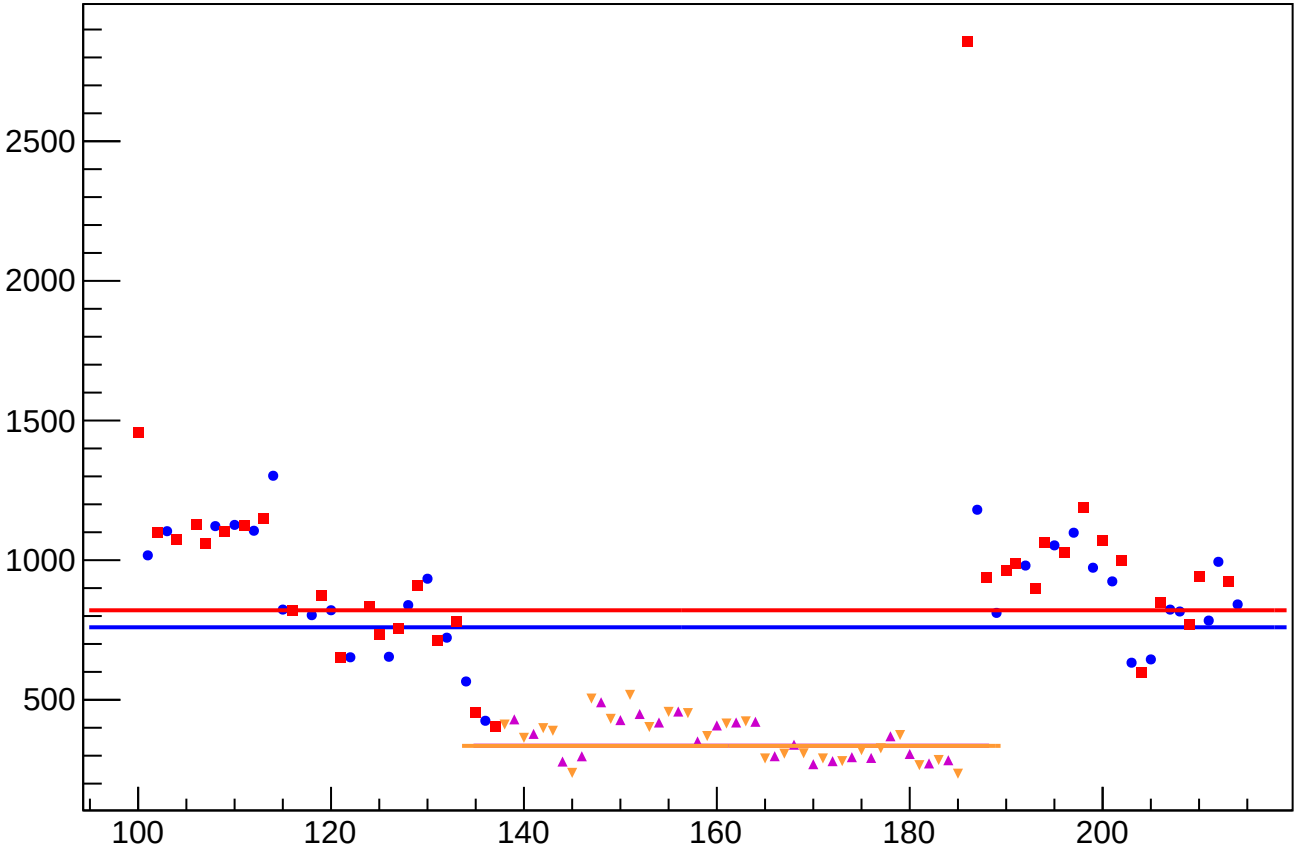
Right: -232.476+/-134.642 χ^2/NDF: 77.2/63

In: -132.173+/-73.588 χ^2/NDF:76.2/52

Out: -41.154+/-72.638 χ^2/NDF:67.0/58

All: -86.072+/-51.695 χ^2/NDF: 144.0/111

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

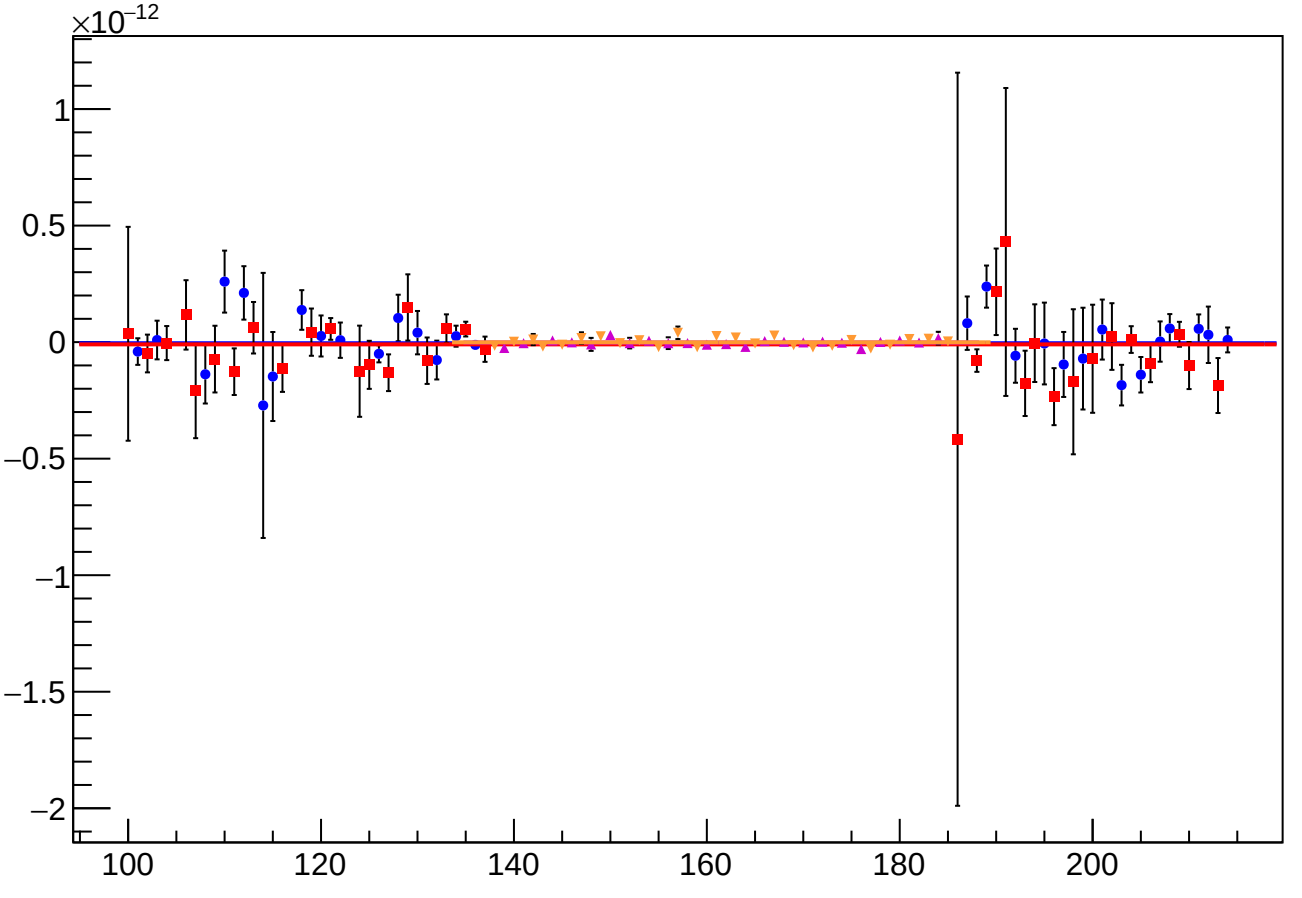
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 788.352+/-0.095 χ^2/NDF: 5619600.4/63

In: 402.876+/-0.052 χ^2/NDF:12741505.4/52

Out: 401.586+/-0.051 χ^2/NDF:15167984.8/58

All: 402.223+/-0.037 χ^2/NDF: 27909801.8/11



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

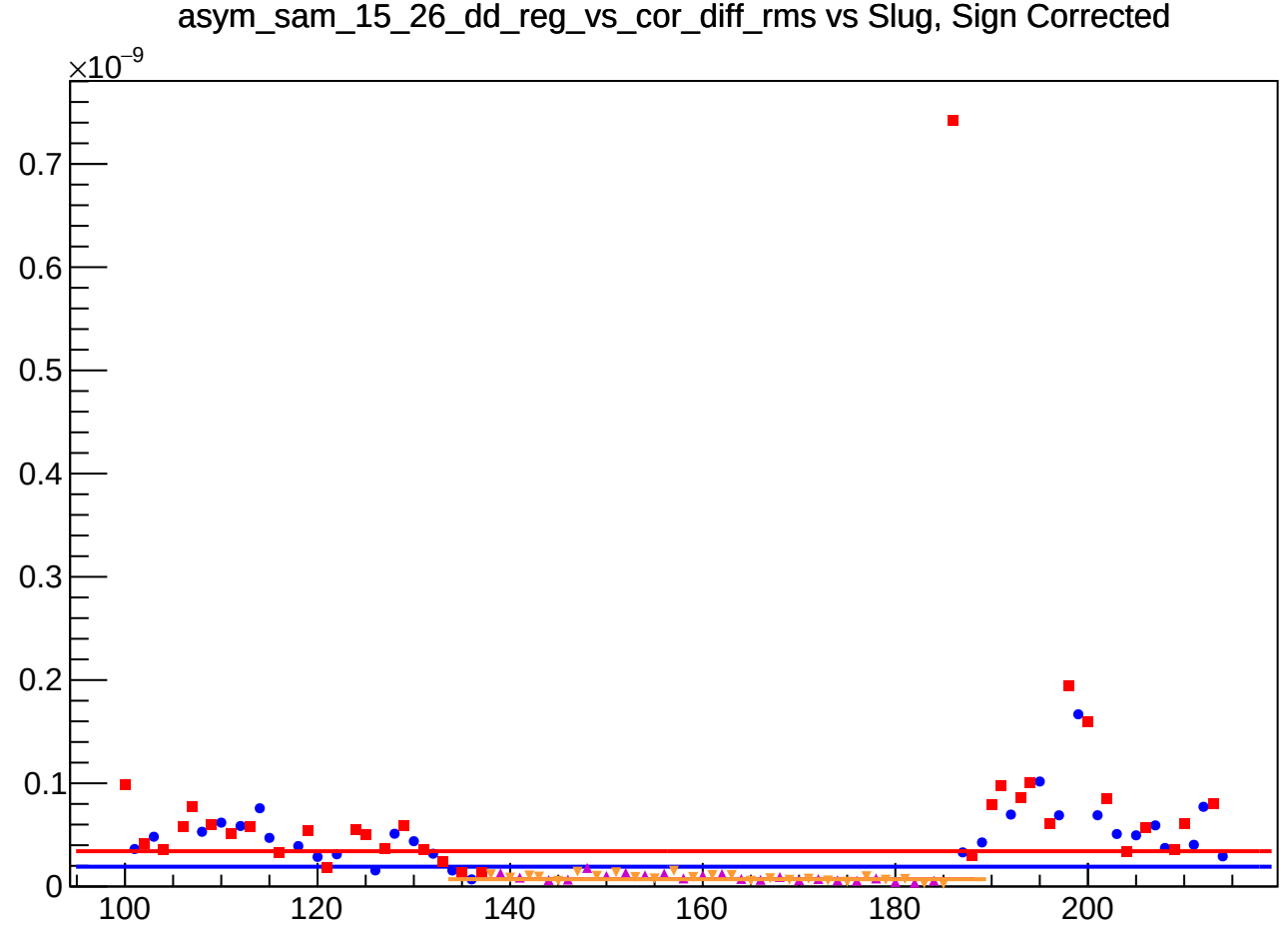
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 67.8/63

In: -0.000+/-0.000 χ^2/NDF:50.5/52

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: -0.000+/-0.000 χ^2/NDF: 116.3/111



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

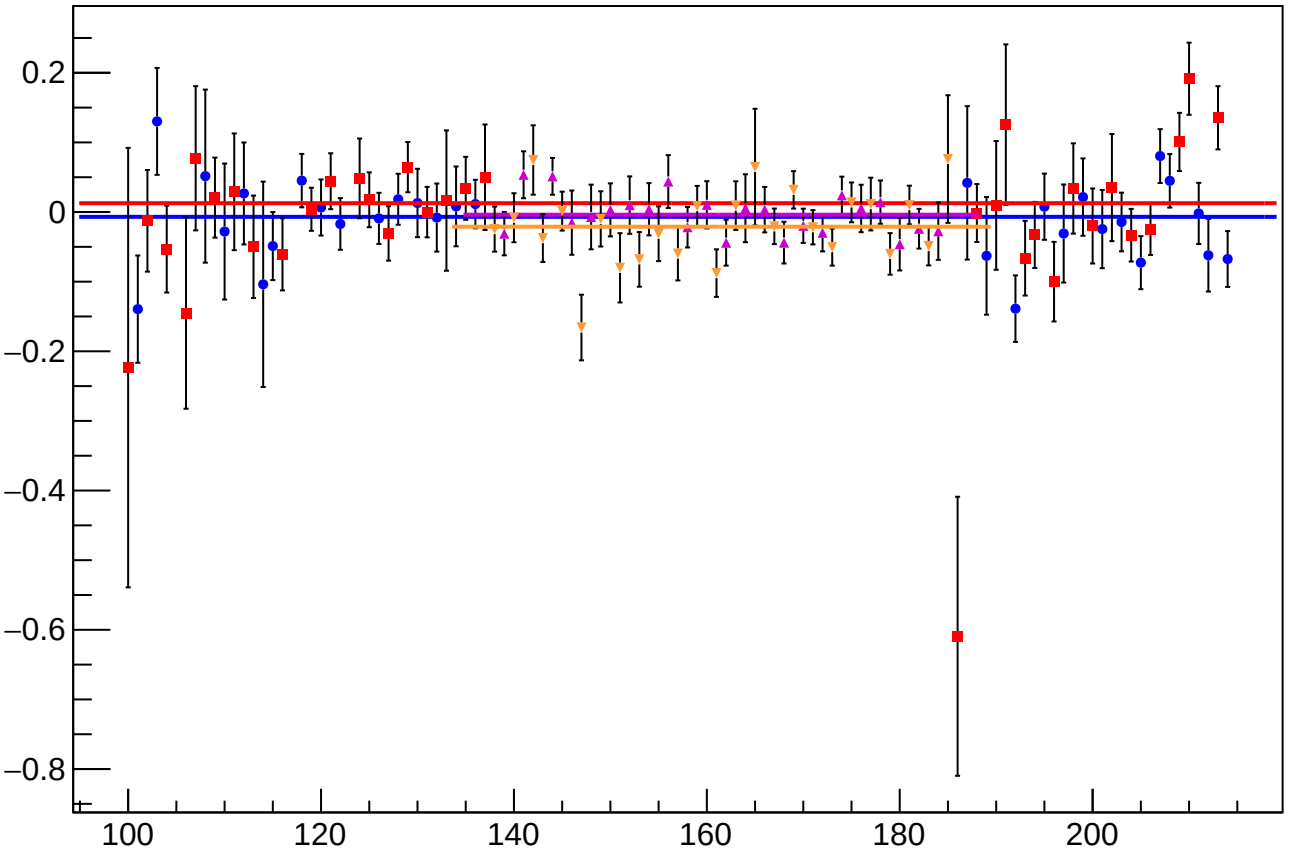
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14853666.2/63

In: 0.000+/-0.000 χ^2/NDF:12504668.9/52

Out: 0.000+/-0.000 χ^2/NDF:14343774.1/58

All: 0.000+/-0.000 χ^2/NDF: 26850737.8/111



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

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

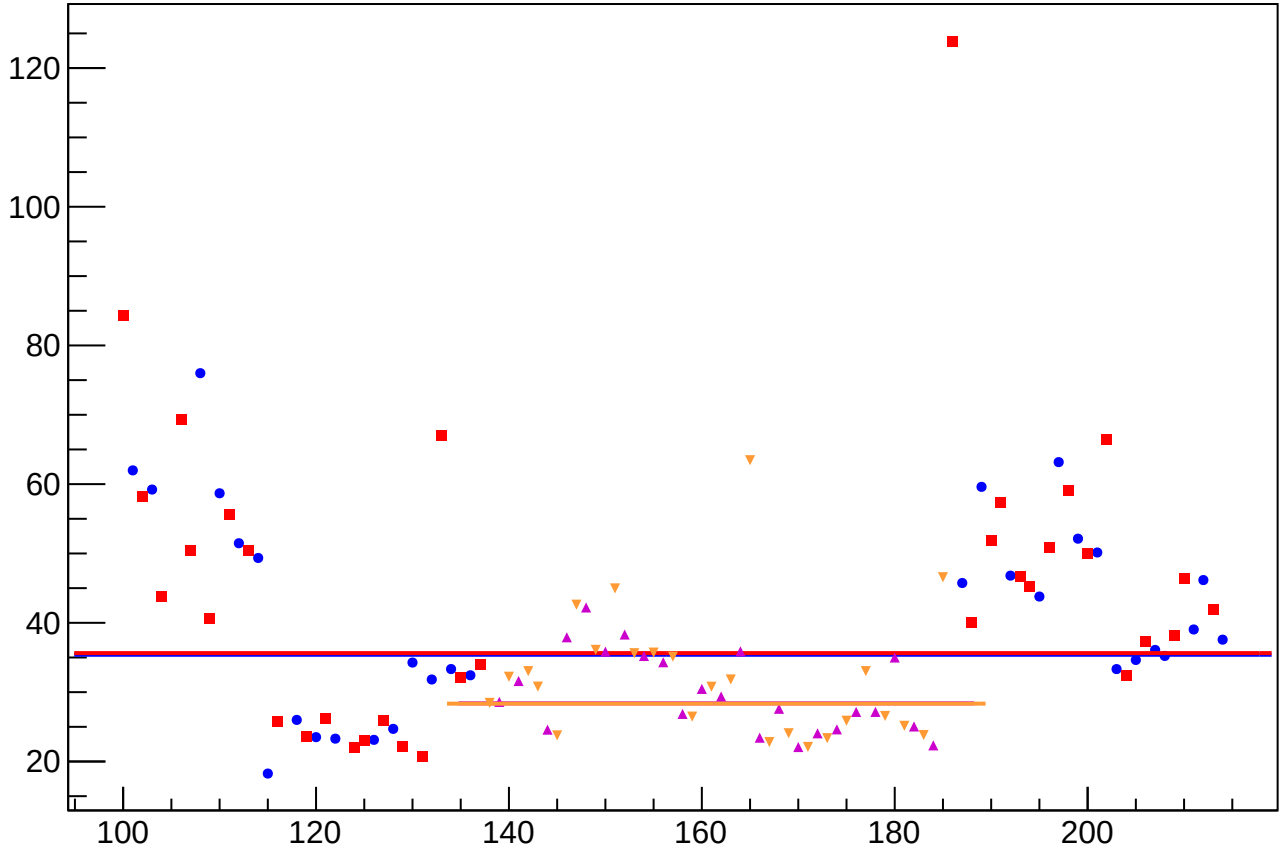
Right: 0.003+/-0.006 χ^2/NDF: 91.1/63

In: -0.005+/-0.005 χ^2/NDF:51.7/52

Out: -0.009+/-0.005 χ^2/NDF:102.1/58

All: -0.007+/-0.004 χ^2/NDF: 154.1/111

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

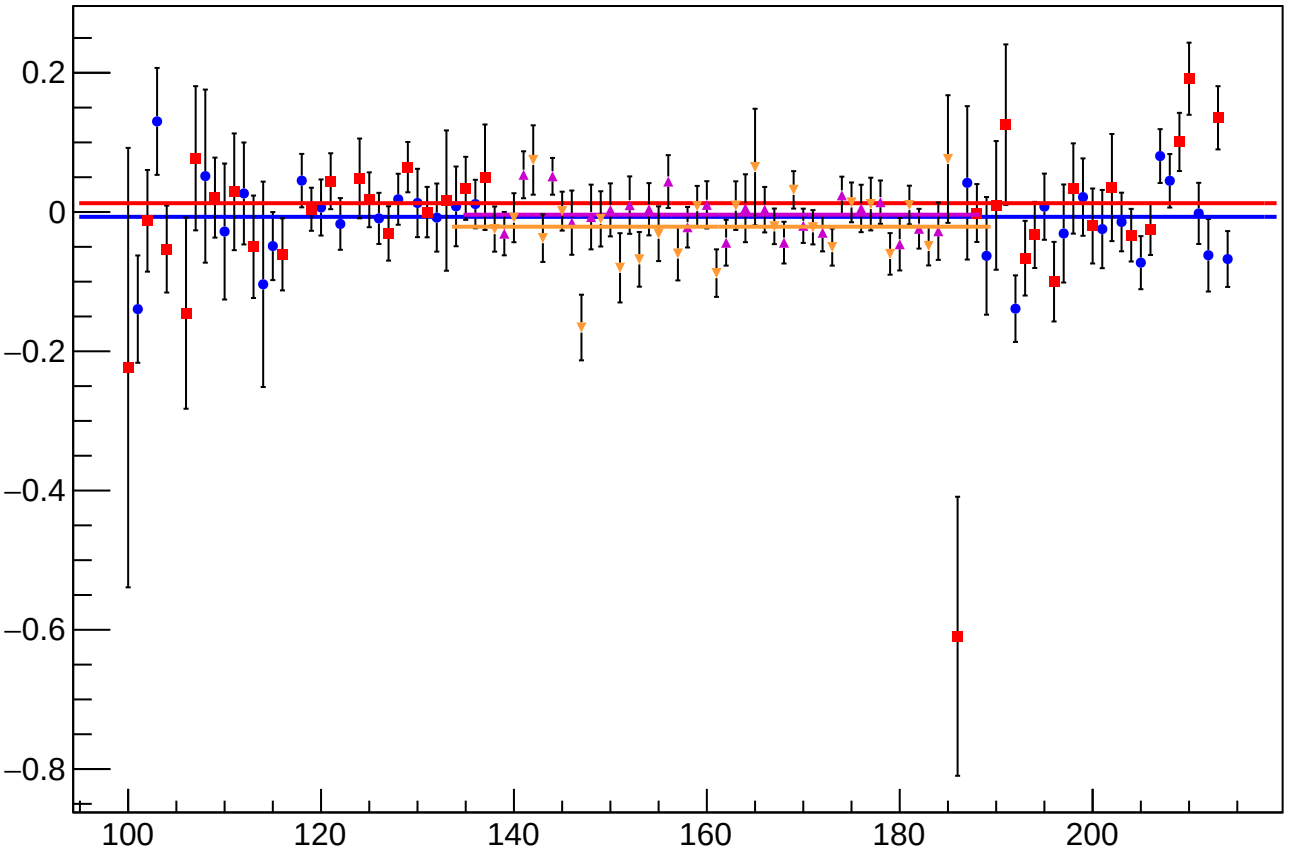
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 35.513+/-0.004 χ^2/NDF: 7269876.8/63

In: 31.007+/-0.004 χ^2/NDF:5025090.5/52

Out: 30.968+/-0.004 χ^2/NDF:6716586.2/58

All: 30.987+/-0.003 χ^2/NDF: 11741729.1/111



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

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

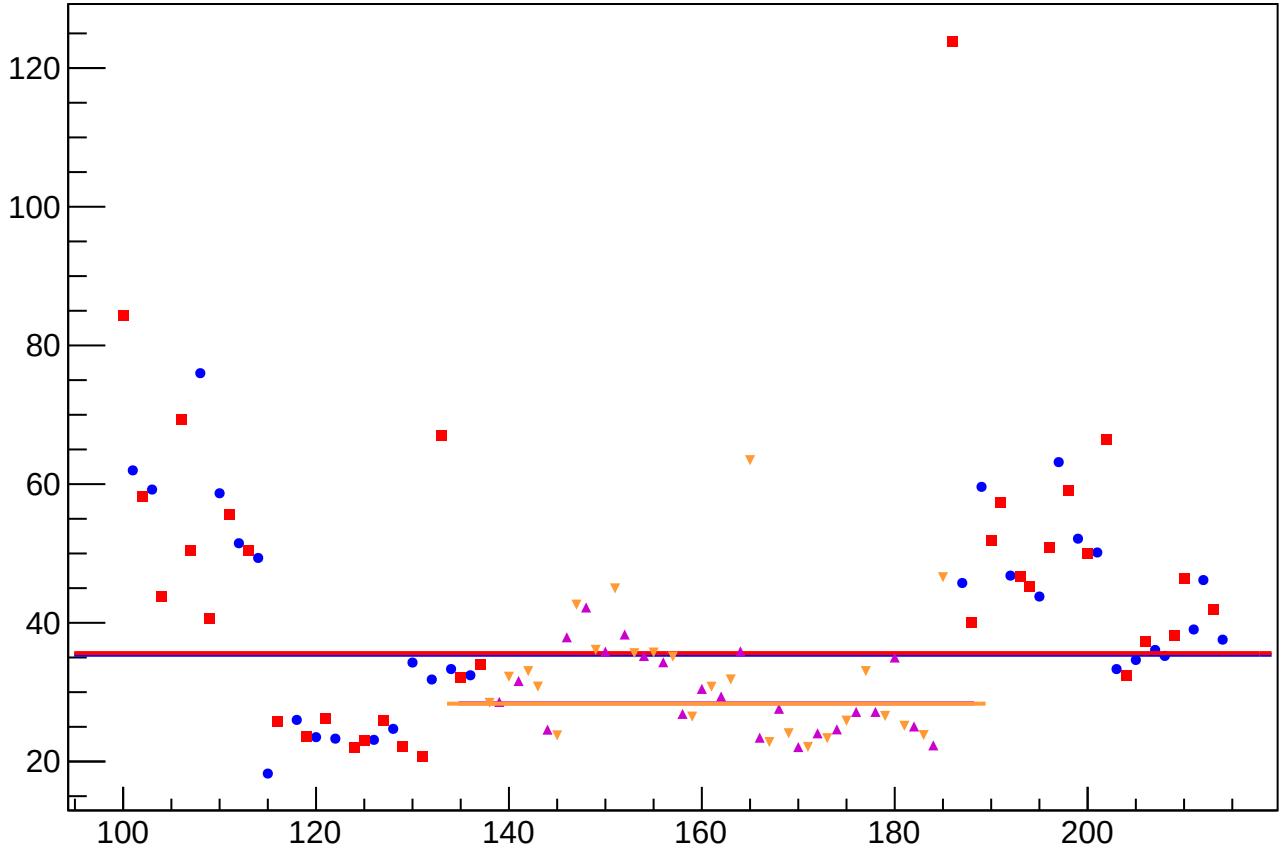
Right: 0.003+/-0.006 χ^2/NDF: 91.1/63

In: -0.005+/-0.005 χ^2/NDF:51.7/52

Out: -0.009+/-0.005 χ^2/NDF:102.1/58

All: -0.007+/-0.004 χ^2/NDF: 154.1/111

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

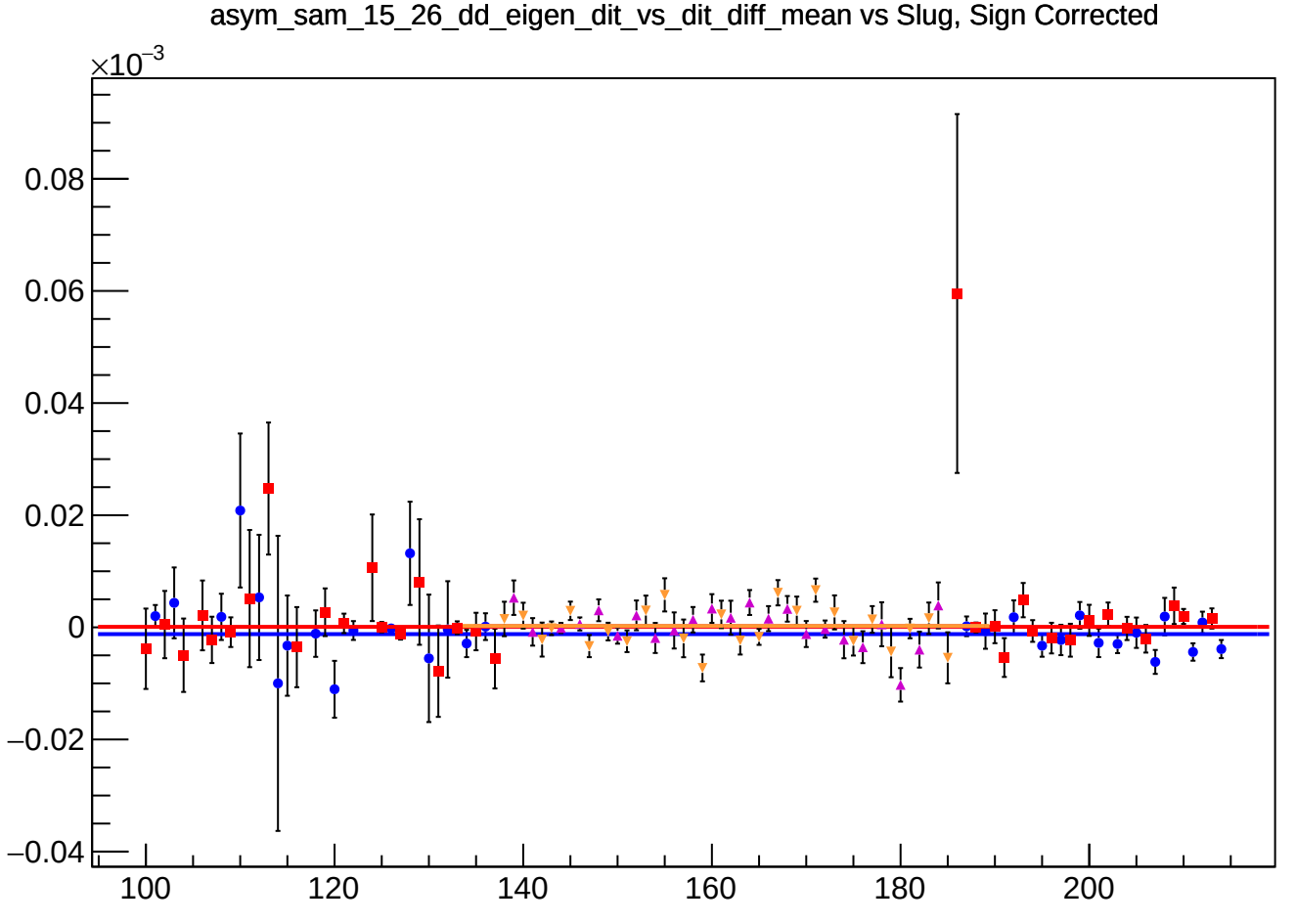
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 35.513+/-0.004 χ^2/NDF: 7269876.8/63

In: 31.007+/-0.004 χ^2/NDF:5025090.5/52

Out: 30.968+/-0.004 χ^2/NDF:6716586.2/58

All: 30.987+/-0.003 χ^2/NDF: 11741729.1/111



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

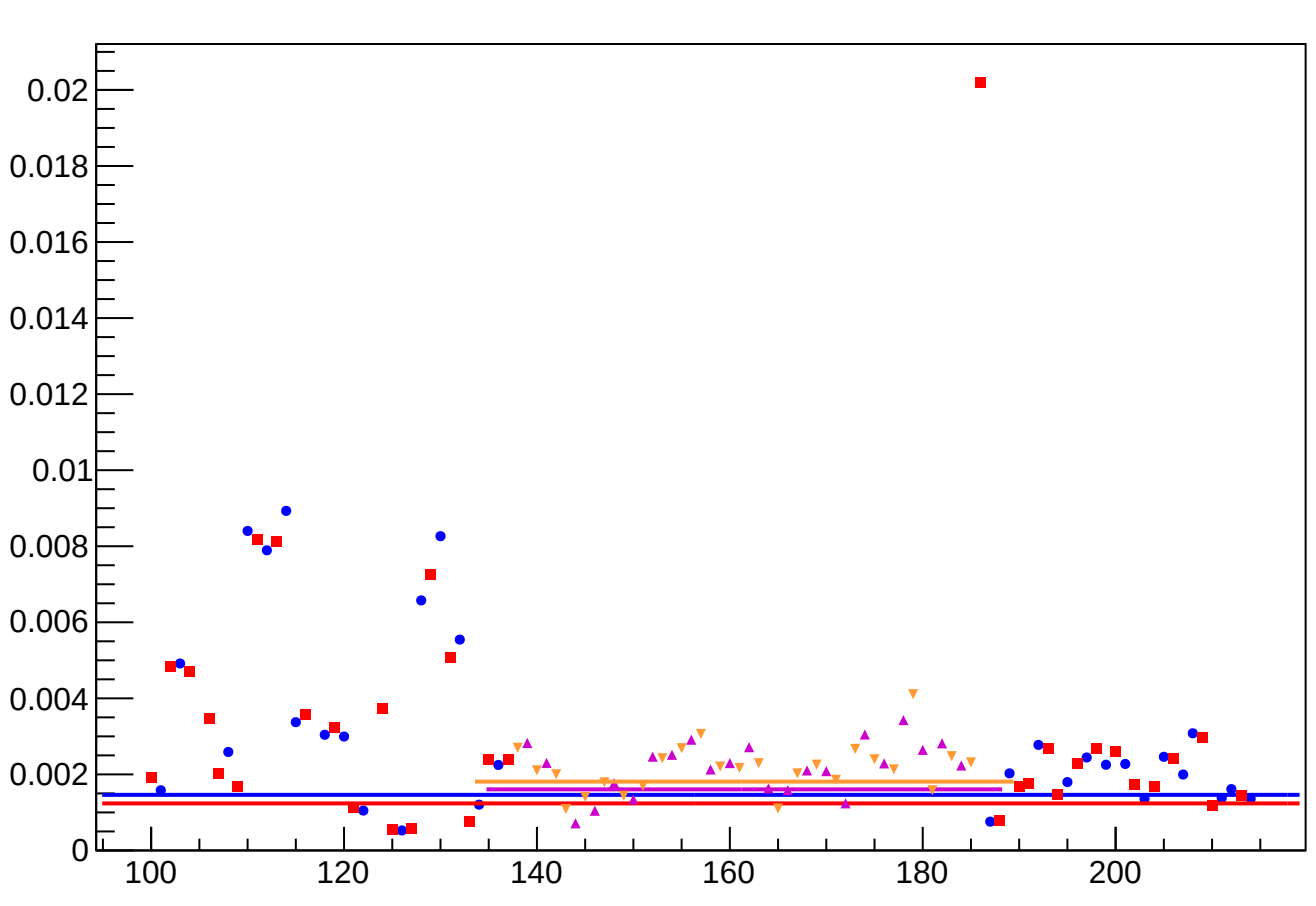
Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

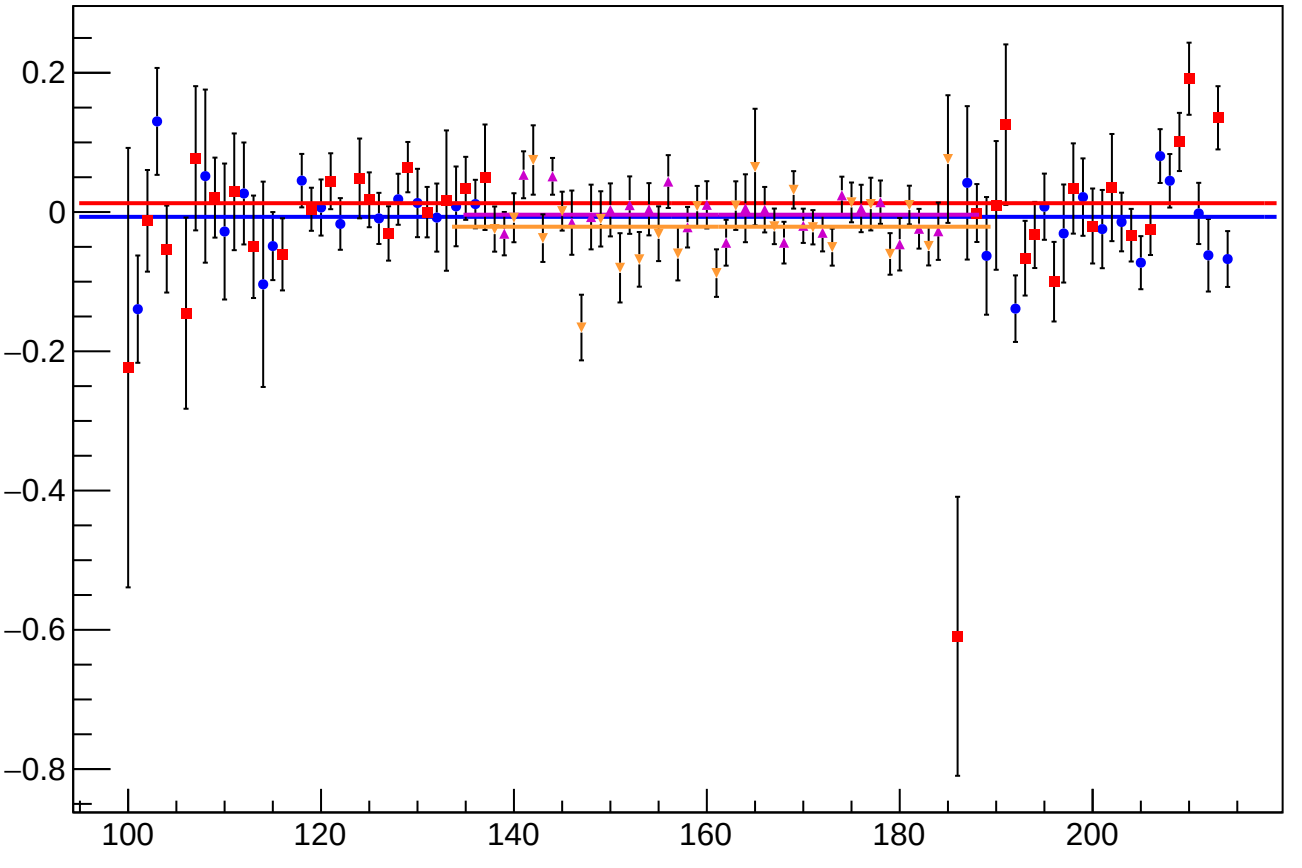
Right: -0.000+/-0.000 χ^2/NDF: 69.9/63

In: -0.000+/-0.000 χ^2/NDF:75.9/52

Out: 0.000+/-0.000 χ^2/NDF:78.7/58

All: -0.000+/-0.000 χ^2/NDF: 157.1/111


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 9770326.1/29
Left Out: 0.002+/-0.000 χ²/NDF:3433566.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 11656266.0/33
Left In: 0.002+/-0.000 χ²/NDF:6034225.5/22
Left: 0.002+/-0.000 χ²/NDF: 9693636.7/47
Right: 0.001+/-0.000 χ²/NDF: 21757510.2/63
In: 0.002+/-0.000 χ²/NDF:15923137.7/52
Out: 0.001+/-0.000 χ²/NDF:17128723.5/58
All: 0.002+/-0.000 χ²/NDF: 33092493.1/111



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

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

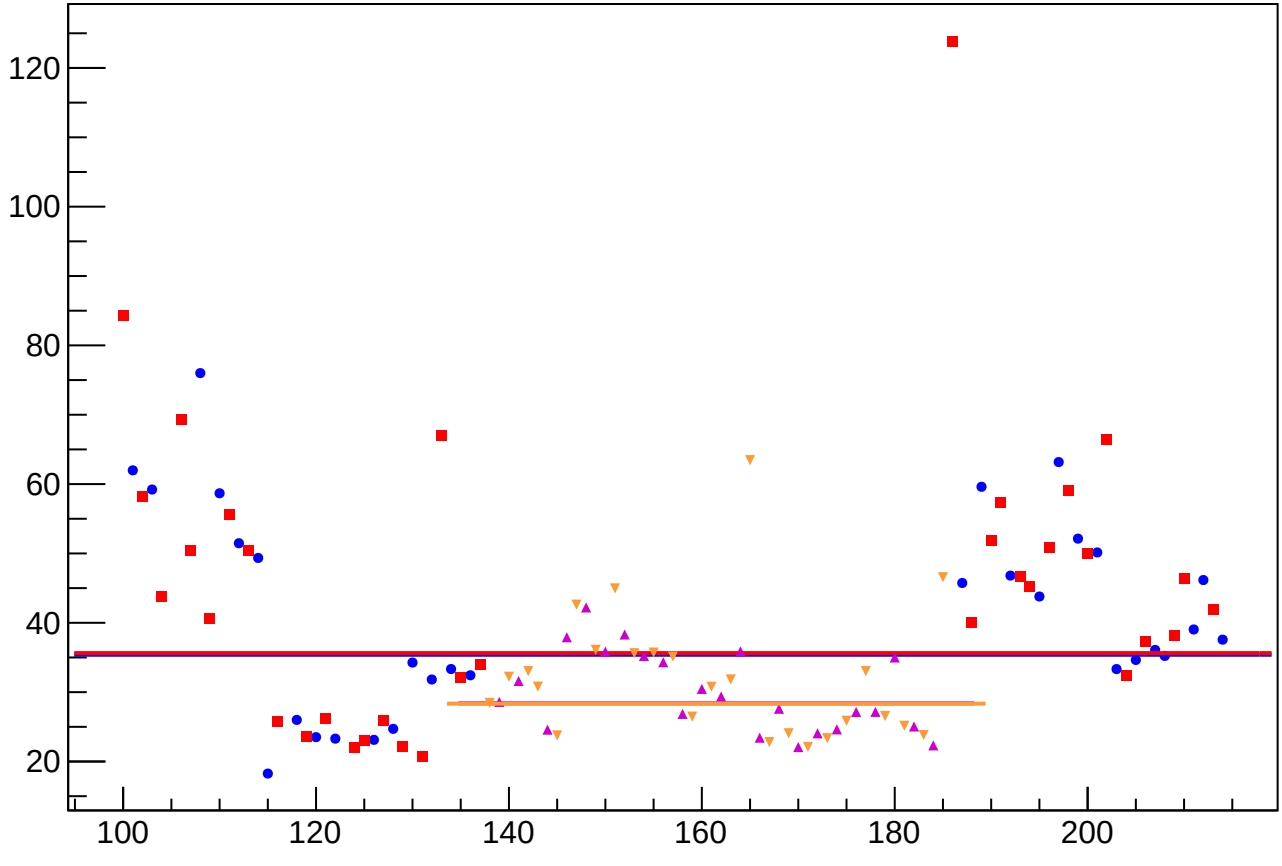
Right: 0.003+/-0.006 χ^2/NDF: 91.1/63

In: -0.005+/-0.005 χ^2/NDF:51.7/52

Out: -0.009+/-0.005 χ^2/NDF:102.1/58

All: -0.007+/-0.004 χ^2/NDF: 154.1/111

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

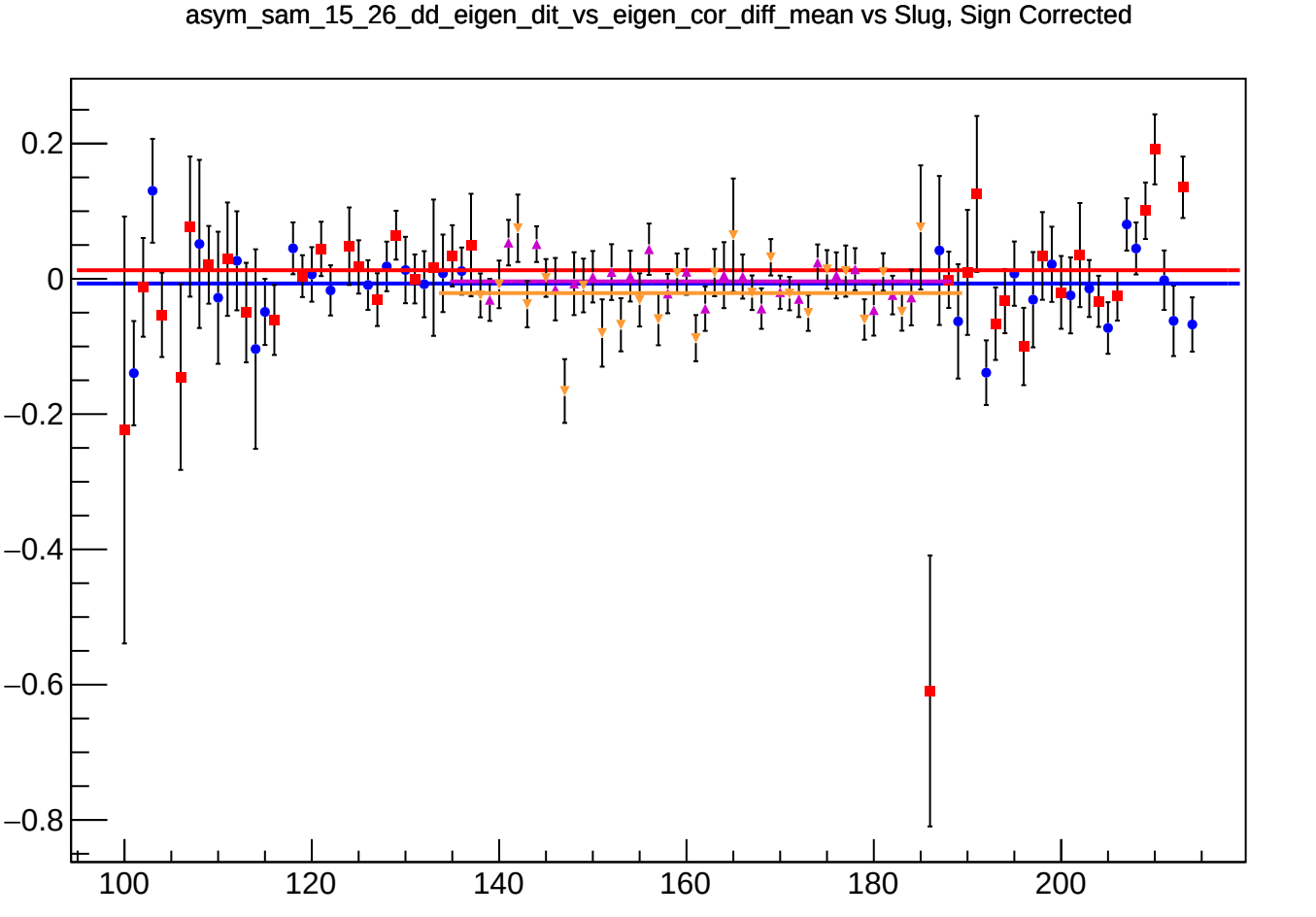
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 35.513+/-0.004 χ^2/NDF: 7269874.0/63

In: 31.007+/-0.004 χ^2/NDF:5024896.9/52

Out: 30.968+/-0.004 χ^2/NDF:6716601.3/58

All: 30.987+/-0.003 χ^2/NDF: 11741551.2/111



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

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

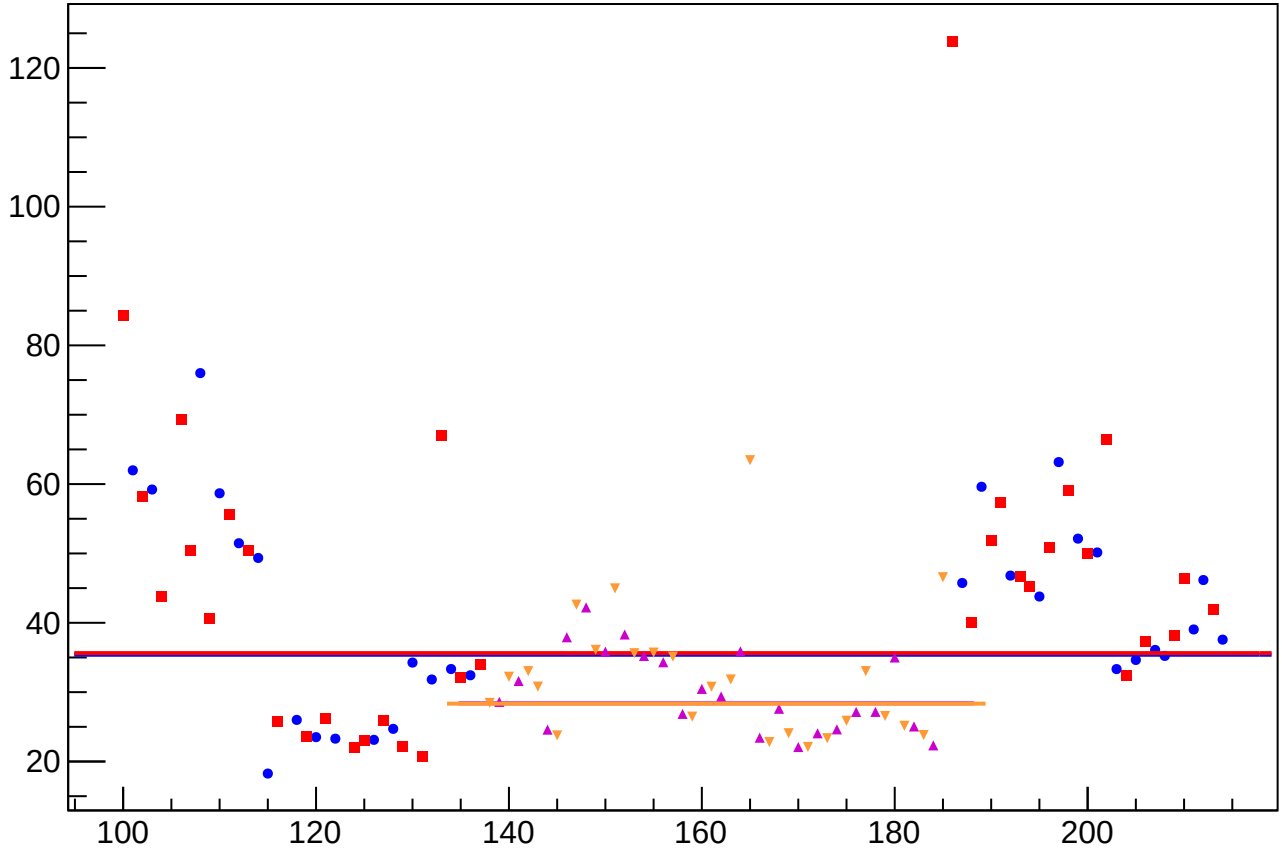
Right: 0.003+/-0.006 χ^2/NDF: 91.1/63

In: -0.005+/-0.005 χ^2/NDF:51.7/52

Out: -0.009+/-0.005 χ^2/NDF:102.1/58

All: -0.007+/-0.004 χ^2/NDF: 154.1/111

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

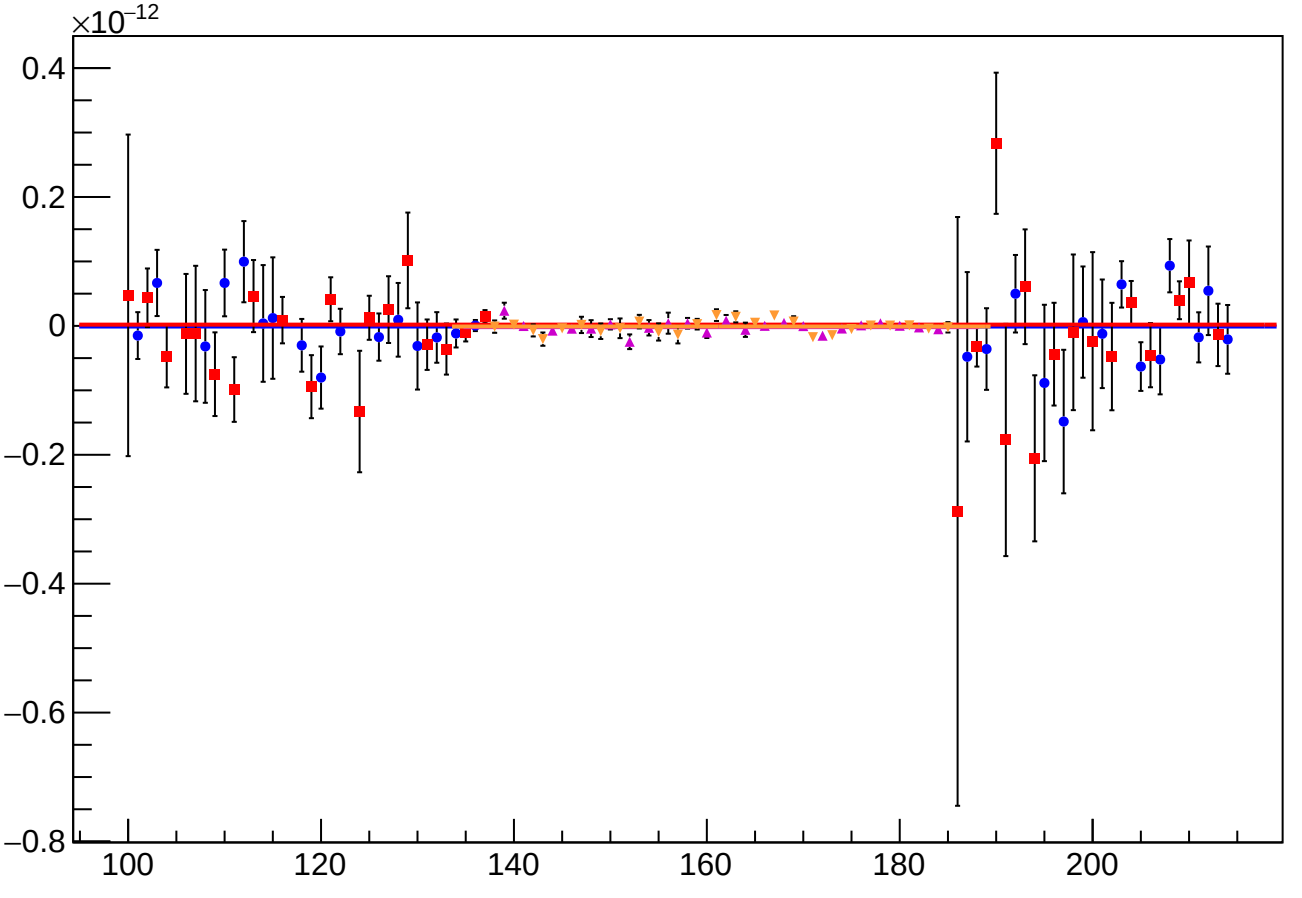
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 35.513+/-0.004 χ^2/NDF: 7269874.0/63

In: 31.007+/-0.004 χ^2/NDF:5024896.9/52

Out: 30.968+/-0.004 χ^2/NDF:6716601.3/58

All: 30.987+/-0.003 χ^2/NDF: 11741551.2/111



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

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

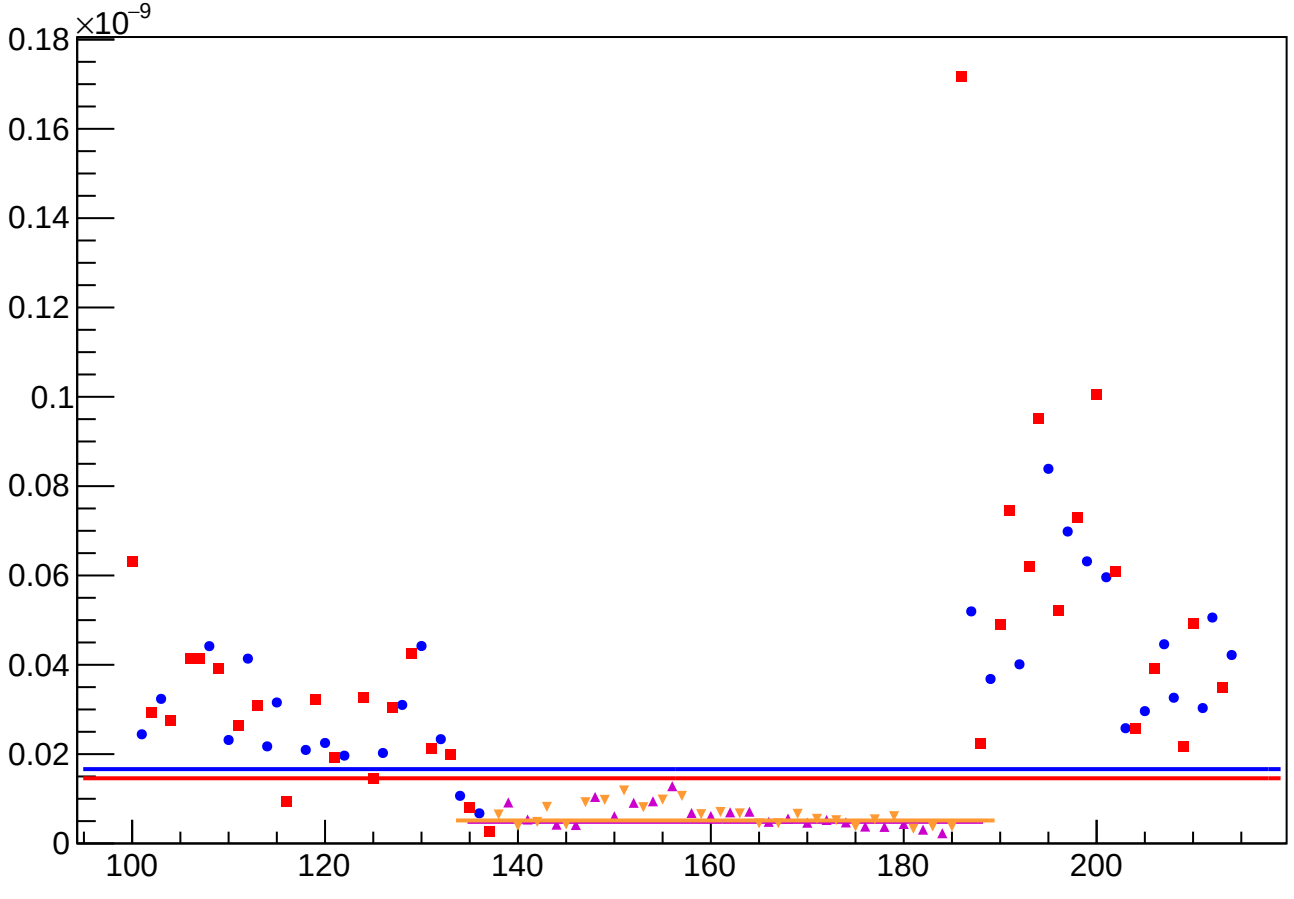
Right: 0.000+/-0.000 χ^2/NDF: 66.2/63

In: -0.000+/-0.000 χ^2/NDF:46.5/52

Out: -0.000+/-0.000 χ^2/NDF:73.4/58

All: -0.000+/-0.000 χ^2/NDF: 120.2/111

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

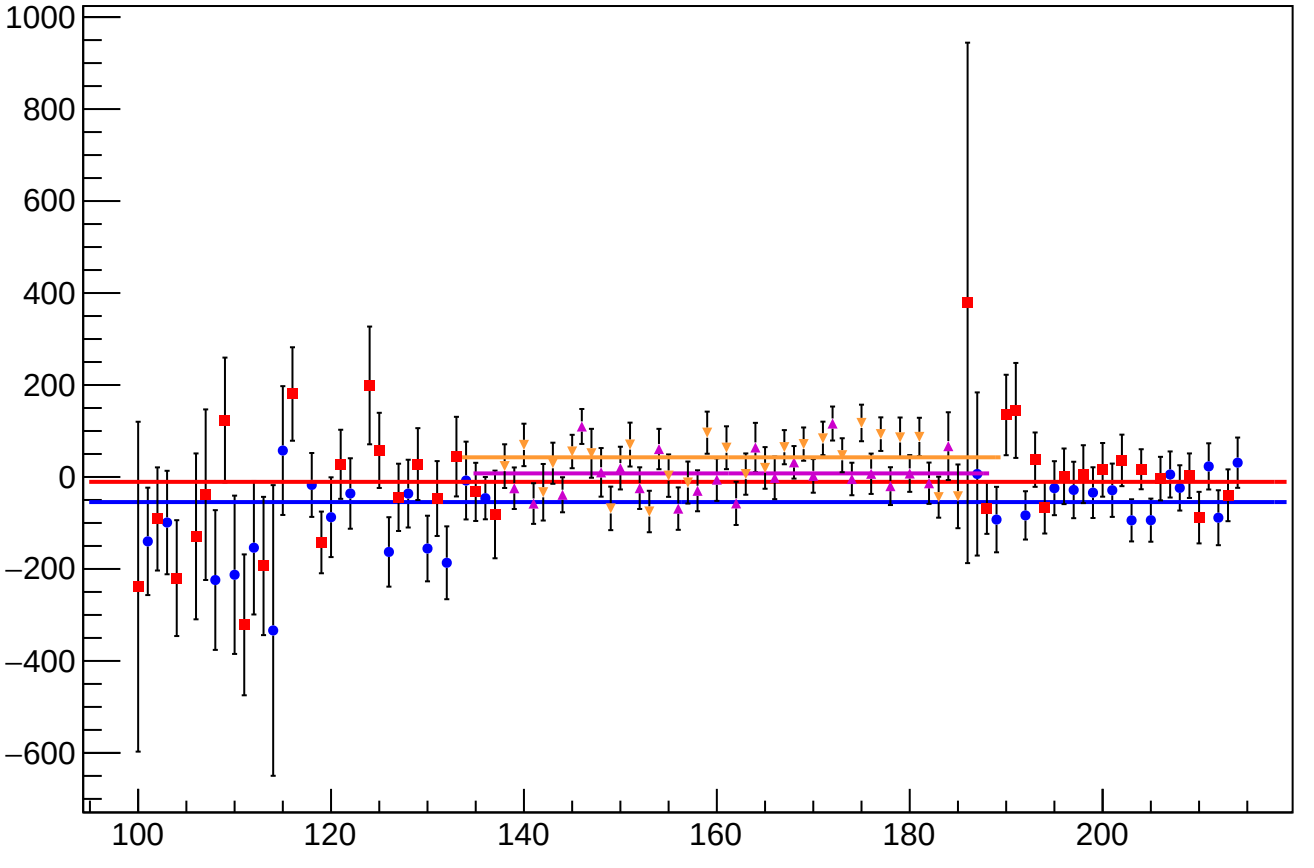
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 21292165.6/63

In: 0.000+/-0.000 χ^2/NDF:19445317.3/52

Out: 0.000+/-0.000 χ^2/NDF:19339145.8/58

All: 0.000+/-0.000 χ^2/NDF: 38809115.8/111



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

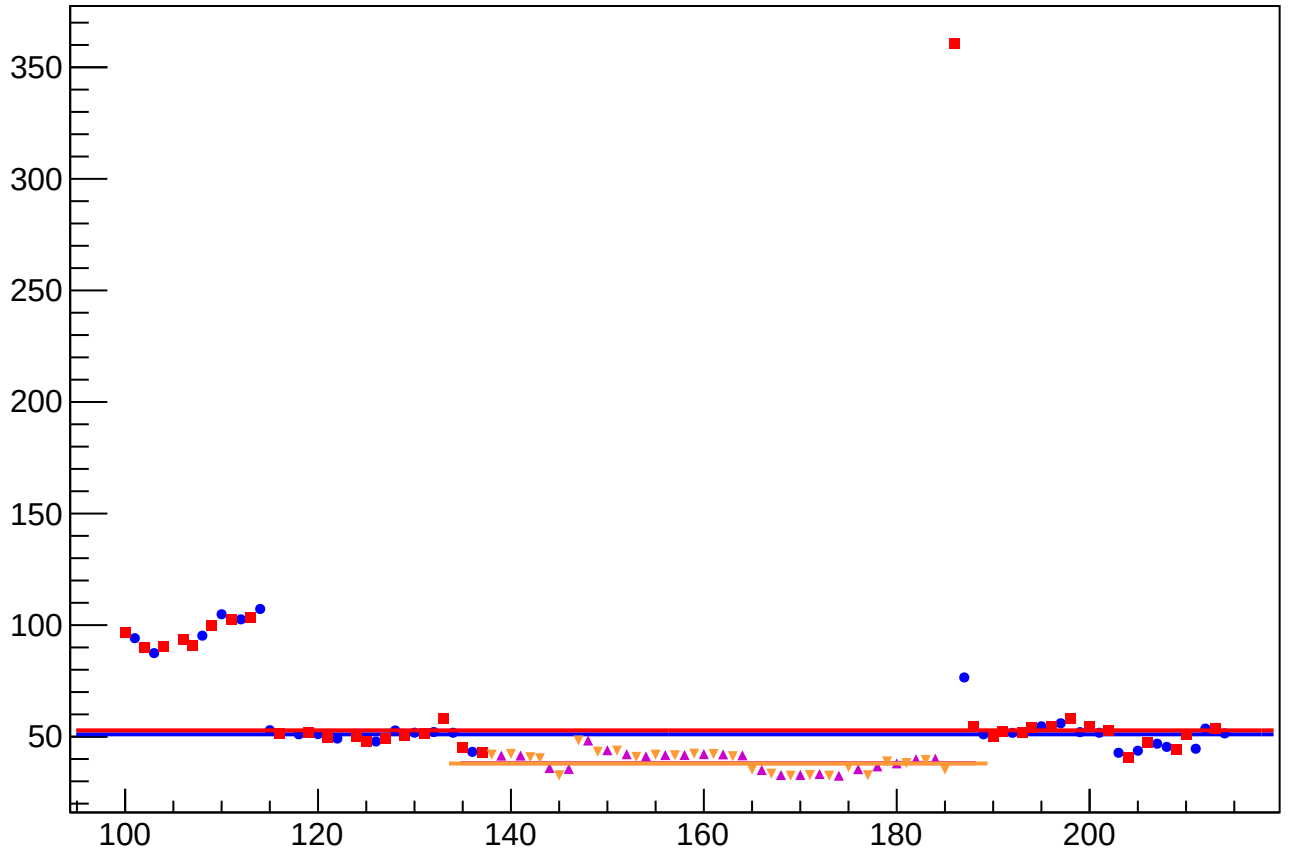
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -33.138+/-8.744 χ^2/NDF: 64.0/63

In: -14.074+/-7.232 χ^2/NDF:69.9/52

Out: 25.396+/-7.144 χ^2/NDF:82.4/58

All: 5.902+/-5.082 χ^2/NDF: 167.3/111



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

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

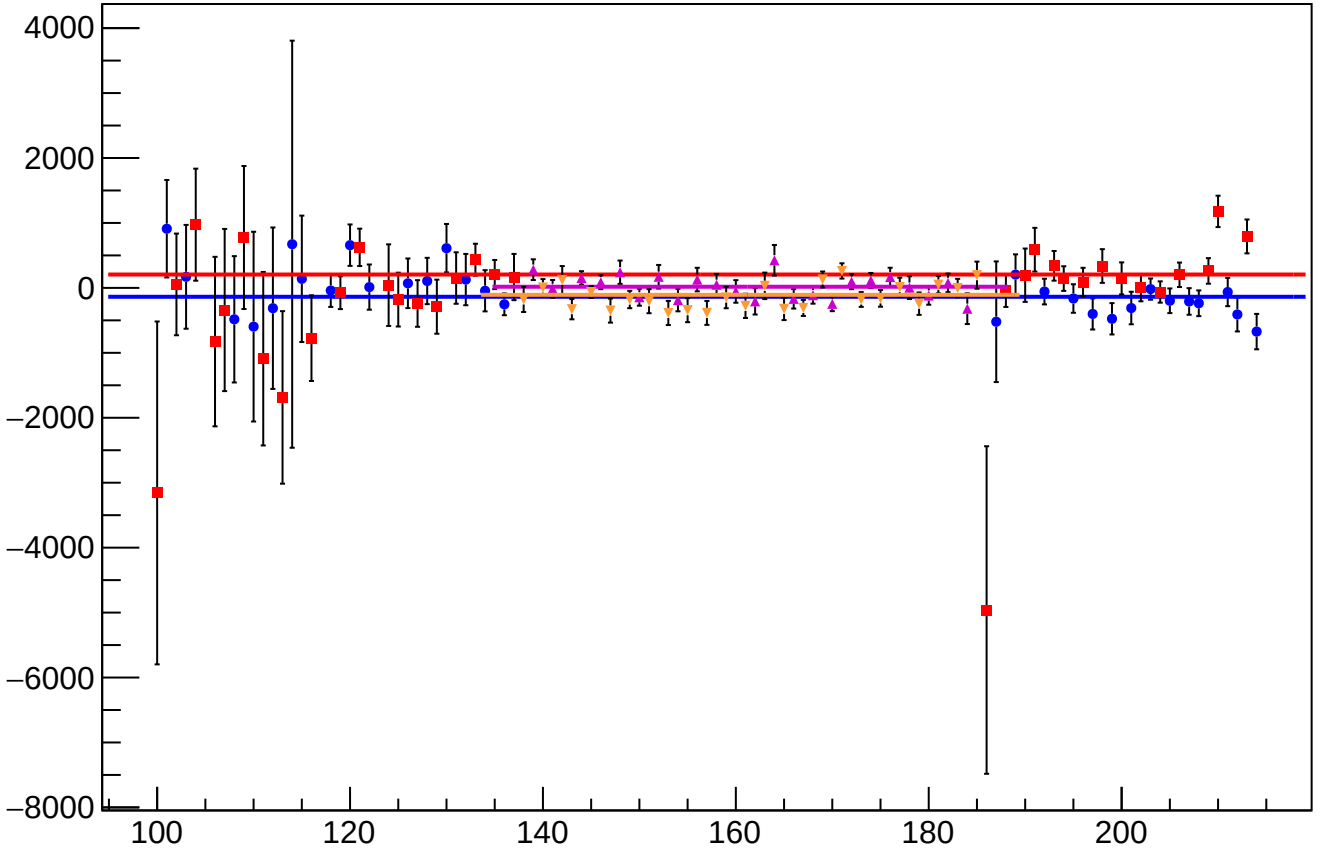
Right: 51.929+/-0.006 χ^2/NDF: 3740840.3/63

In: 42.664+/-0.005 χ^2/NDF:3364045.8/52

Out: 42.824+/-0.005 χ^2/NDF:4650581.5/58

All: 42.745+/-0.004 χ^2/NDF: 8015122.3/111

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -136.997+/-50.896 χ^2/NDF: 26.1/29

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 205.837+/-50.896 χ^2/NDF: 49.4/33

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

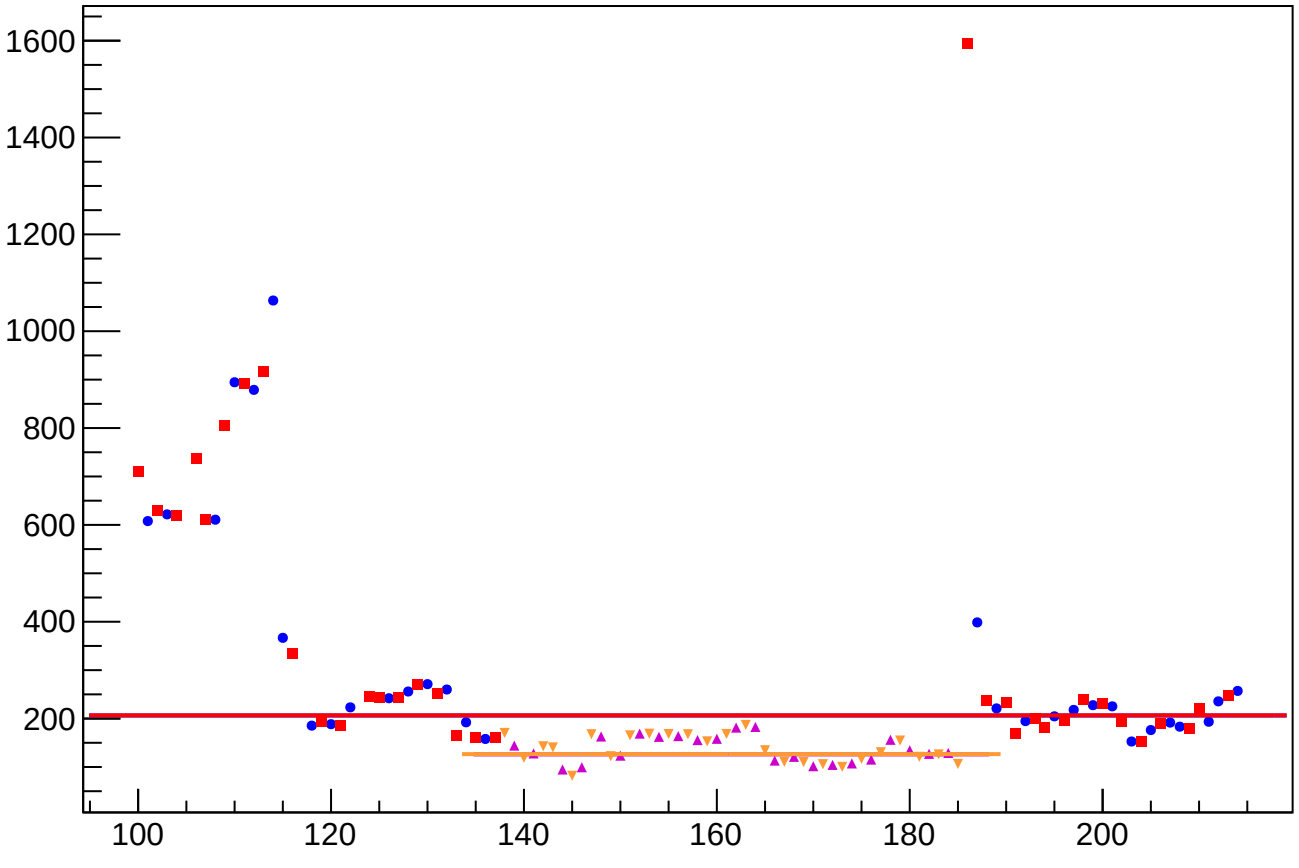
Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

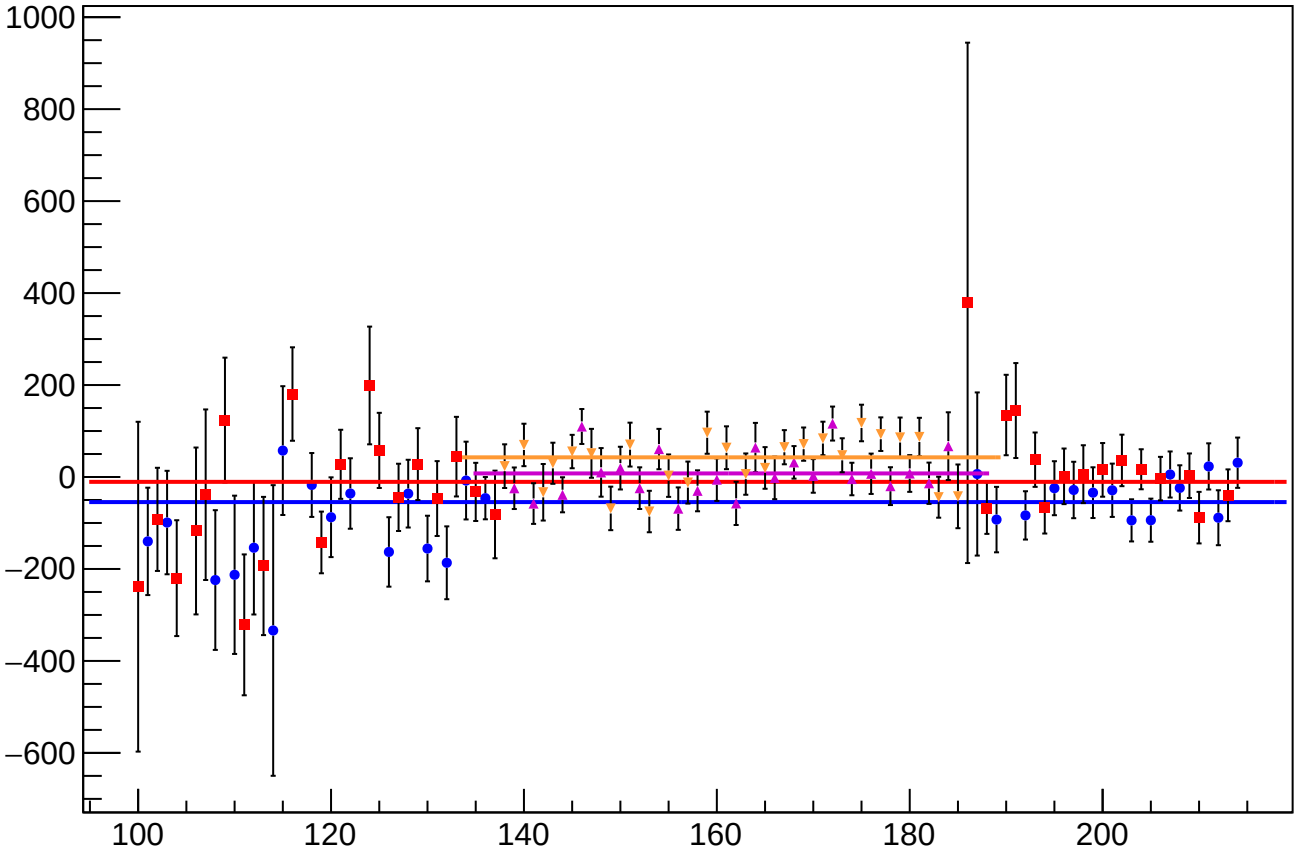
Right: 34.419+/-35.989 χ^2/NDF: 98.3/63

In: -22.690+/-25.963 χ^2/NDF:61.2/52

Out: -27.709+/-25.564 χ^2/NDF:115.2/58

All: -25.239+/-18.216 χ^2/NDF: 176.5/111


asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 206.322+/-0.036 χ²/NDF: 3573227.9/29
Left Out: 126.561+/-0.021 χ²/NDF:1758158.3/24
Right Out: 206.637+/-0.036 χ²/NDF: 4827414.4/33
Left In: 126.013+/-0.021 χ²/NDF:1410655.7/22
Left: 126.293+/-0.015 χ²/NDF: 3169149.7/47
Right: 206.480+/-0.025 χ²/NDF: 8400680.5/63
In: 146.911+/-0.018 χ²/NDF:8667741.5/52
Out: 146.762+/-0.018 χ²/NDF:10287360.3/58
All: 146.836+/-0.013 χ²/NDF: 18955135.2/11



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

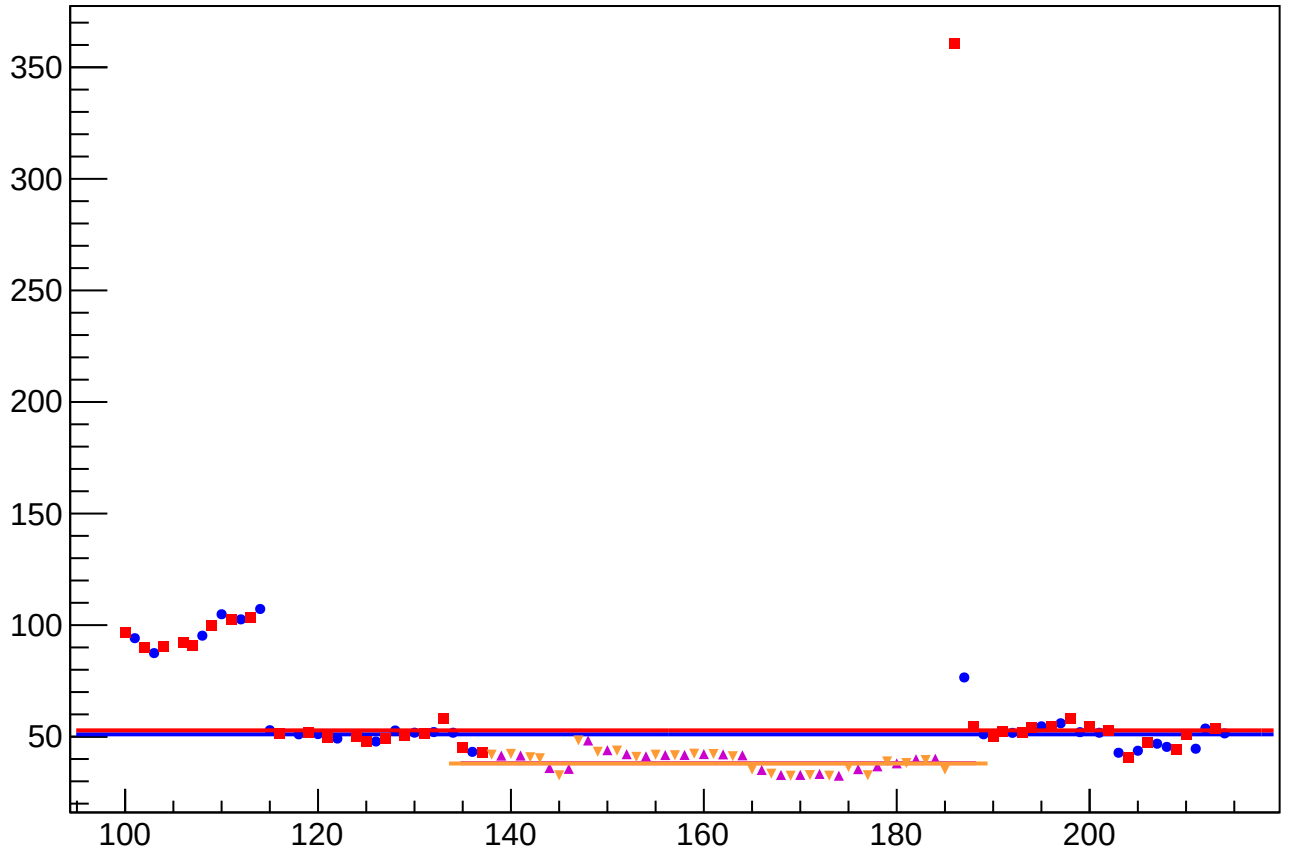
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -33.112+/-8.744 χ^2/NDF: 64.0/63

In: -14.073+/-7.232 χ^2/NDF:69.9/52

Out: 25.415+/-7.144 χ^2/NDF:82.3/58

All: 5.912+/-5.082 χ^2/NDF: 167.2/111



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

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

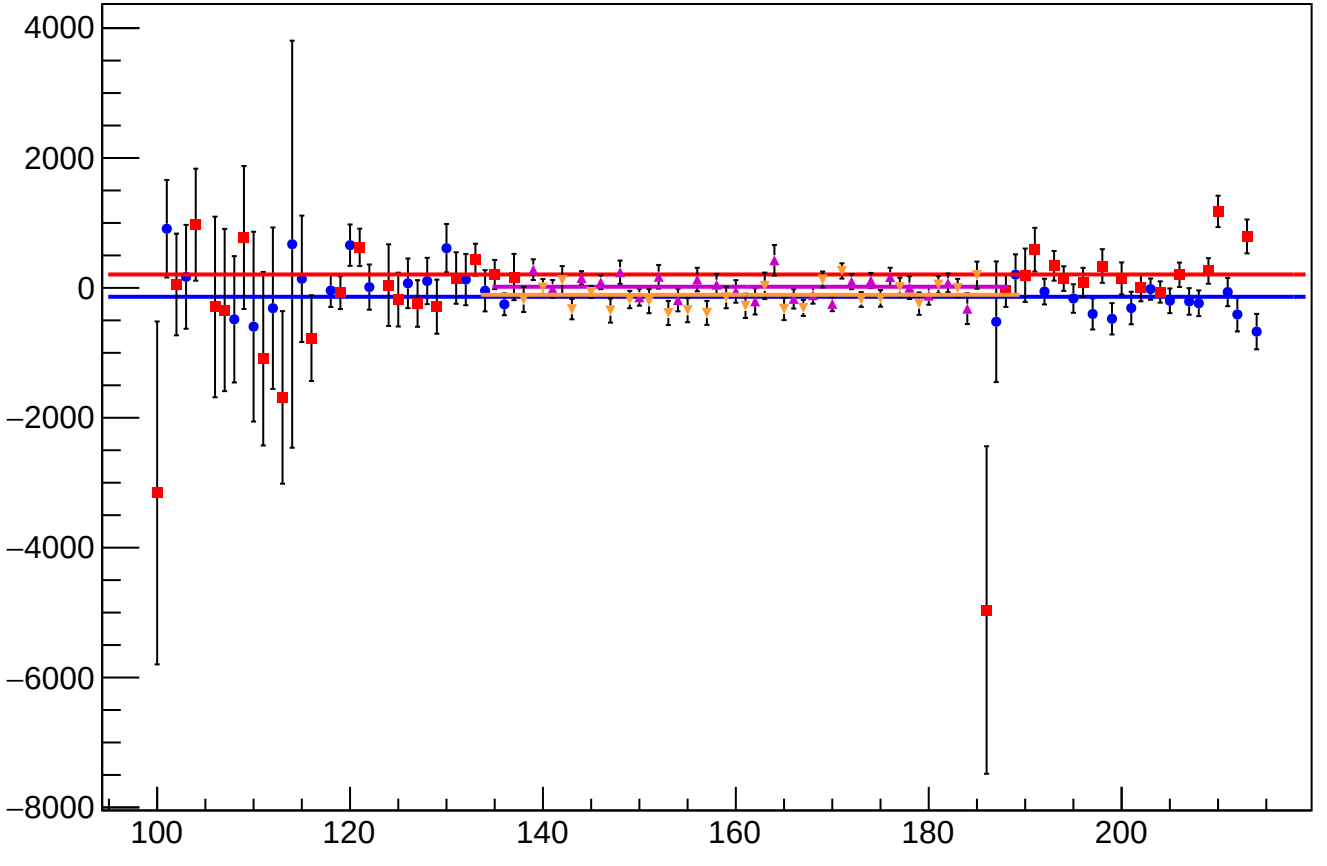
Right: 51.924+/-0.006 χ^2/NDF: 3732087.8/63

In: 42.664+/-0.005 χ^2/NDF:3364046.0/52

Out: 42.821+/-0.005 χ^2/NDF:4639523.7/58

All: 42.743+/-0.004 χ^2/NDF: 8004044.2/111

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



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

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

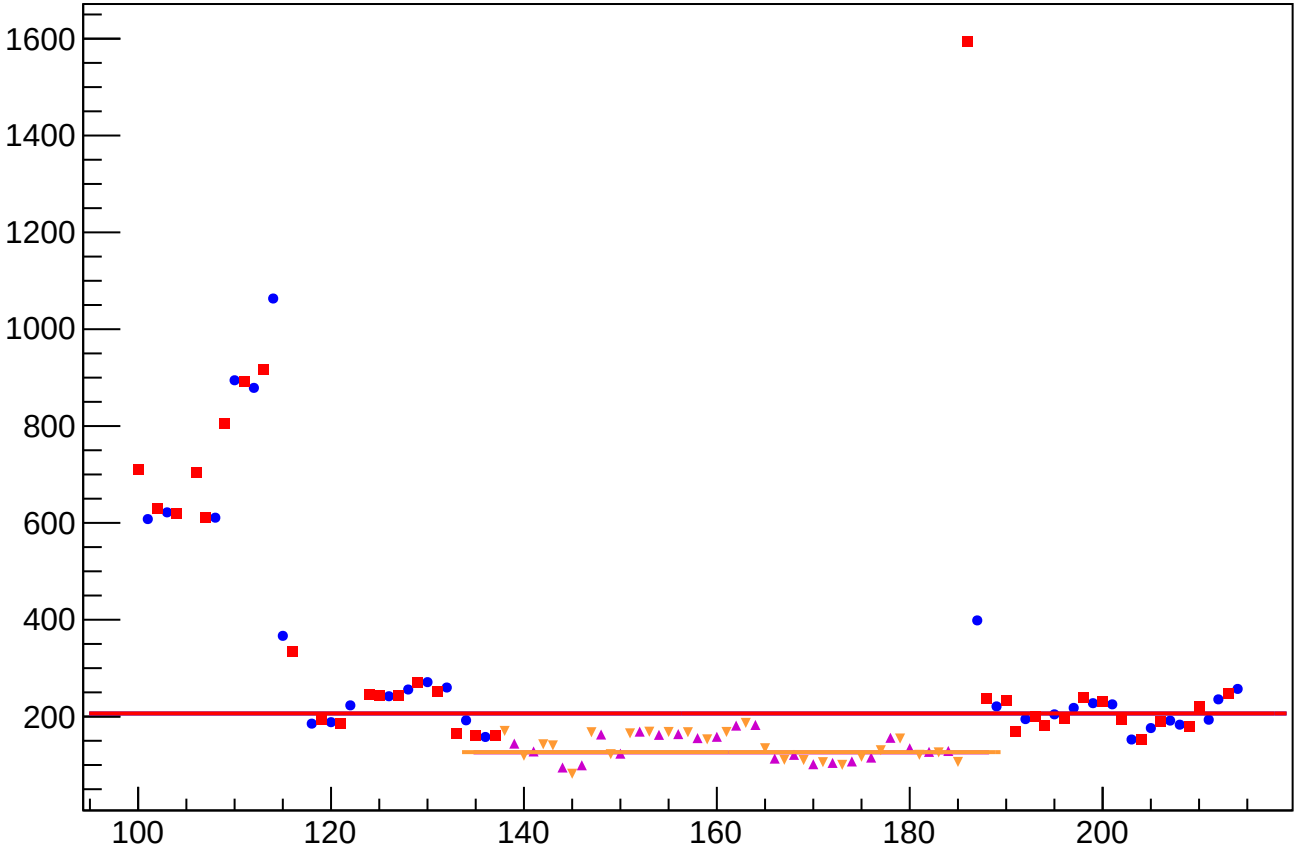
Right: 34.850+/-35.990 χ^2/NDF: 97.9/63

In: -22.689+/-25.963 χ^2/NDF:61.2/52

Out: -27.494+/-25.564 χ^2/NDF:114.9/58

All: -25.129+/-18.216 χ^2/NDF: 176.1/111

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



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

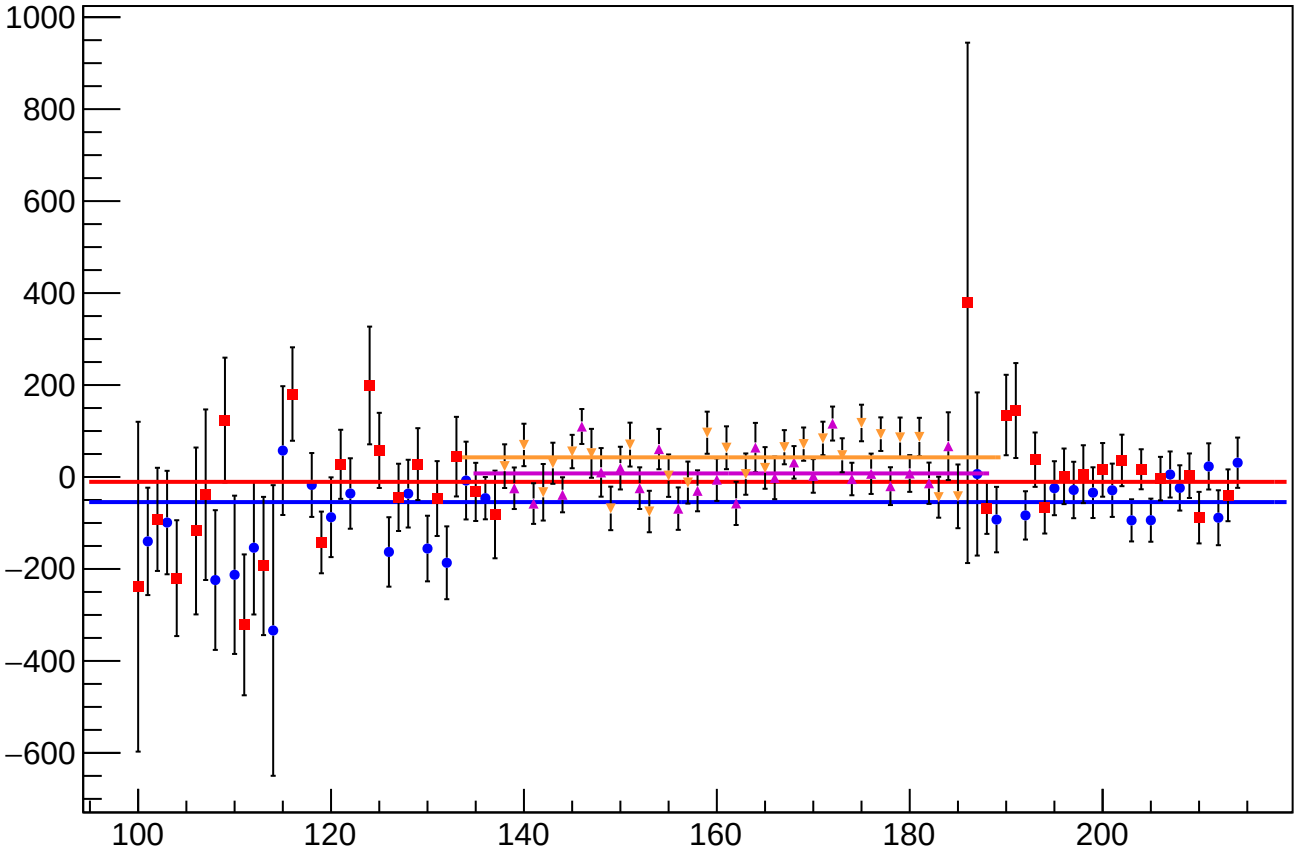
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 206.410+/-0.025 χ^2/NDF: 8327606.7/63

In: 146.911+/-0.018 χ^2/NDF:8667763.5/52

Out: 146.724+/-0.018 χ^2/NDF:10200929.5/58

All: 146.816+/-0.013 χ^2/NDF: 18868745.6/1



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

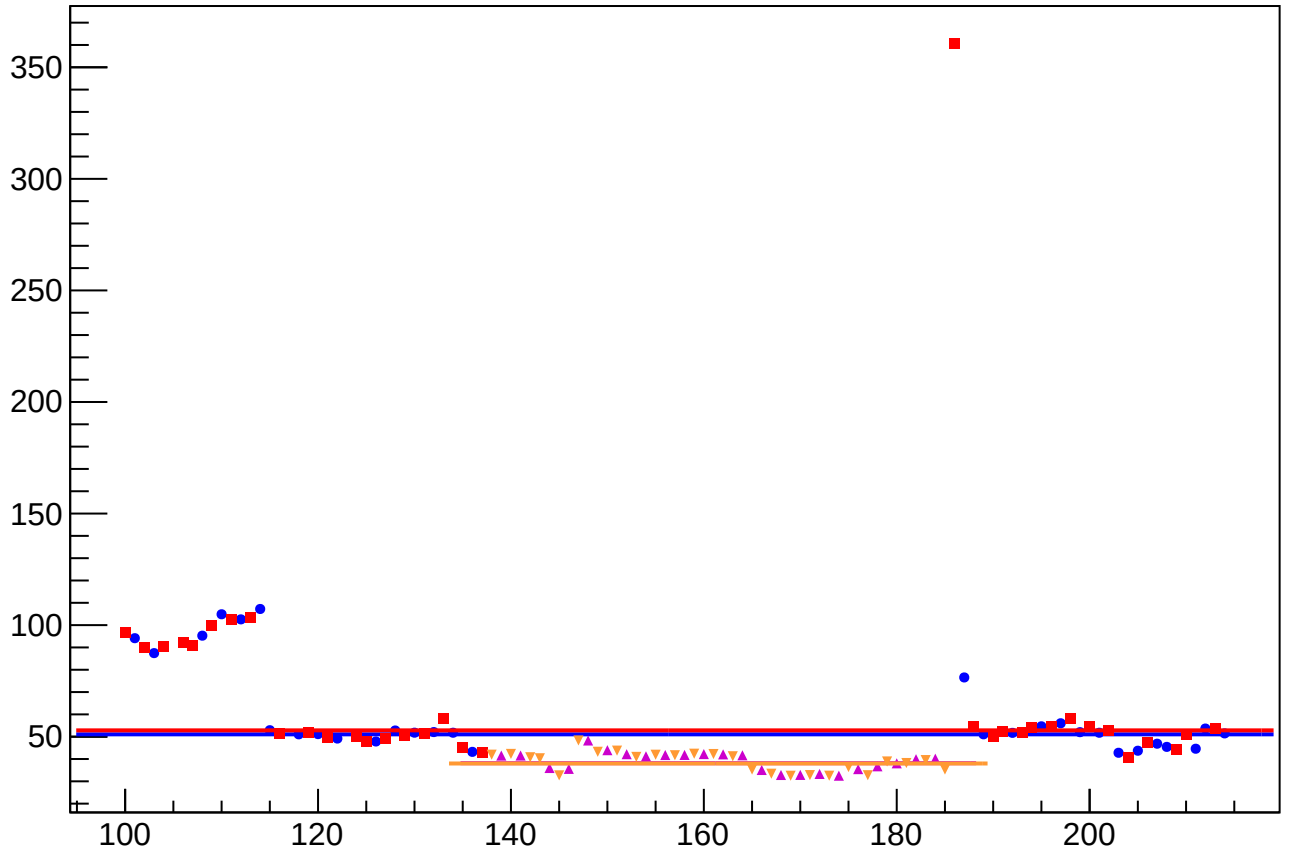
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -33.112+/-8.744 χ^2/NDF: 64.0/63

In: -14.073+/-7.232 χ^2/NDF:69.9/52

Out: 25.415+/-7.144 χ^2/NDF:82.3/58

All: 5.912+/-5.082 χ^2/NDF: 167.2/111



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

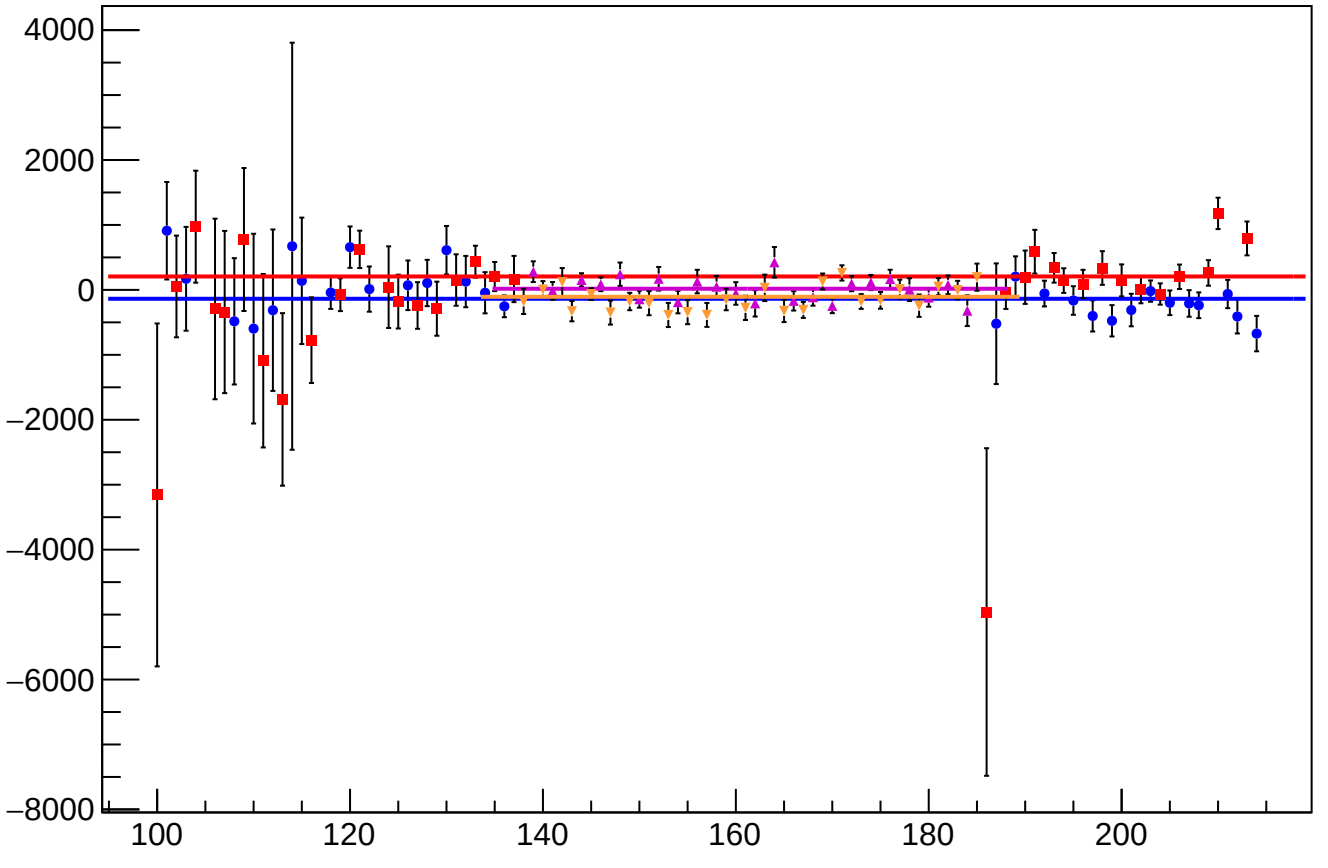
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.924+/-0.006 χ^2/NDF: 3732087.8/63

In: 42.664+/-0.005 χ^2/NDF:3364046.0/52

Out: 42.821+/-0.005 χ^2/NDF:4639523.7/58

All: 42.743+/-0.004 χ^2/NDF: 8004044.2/111



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

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

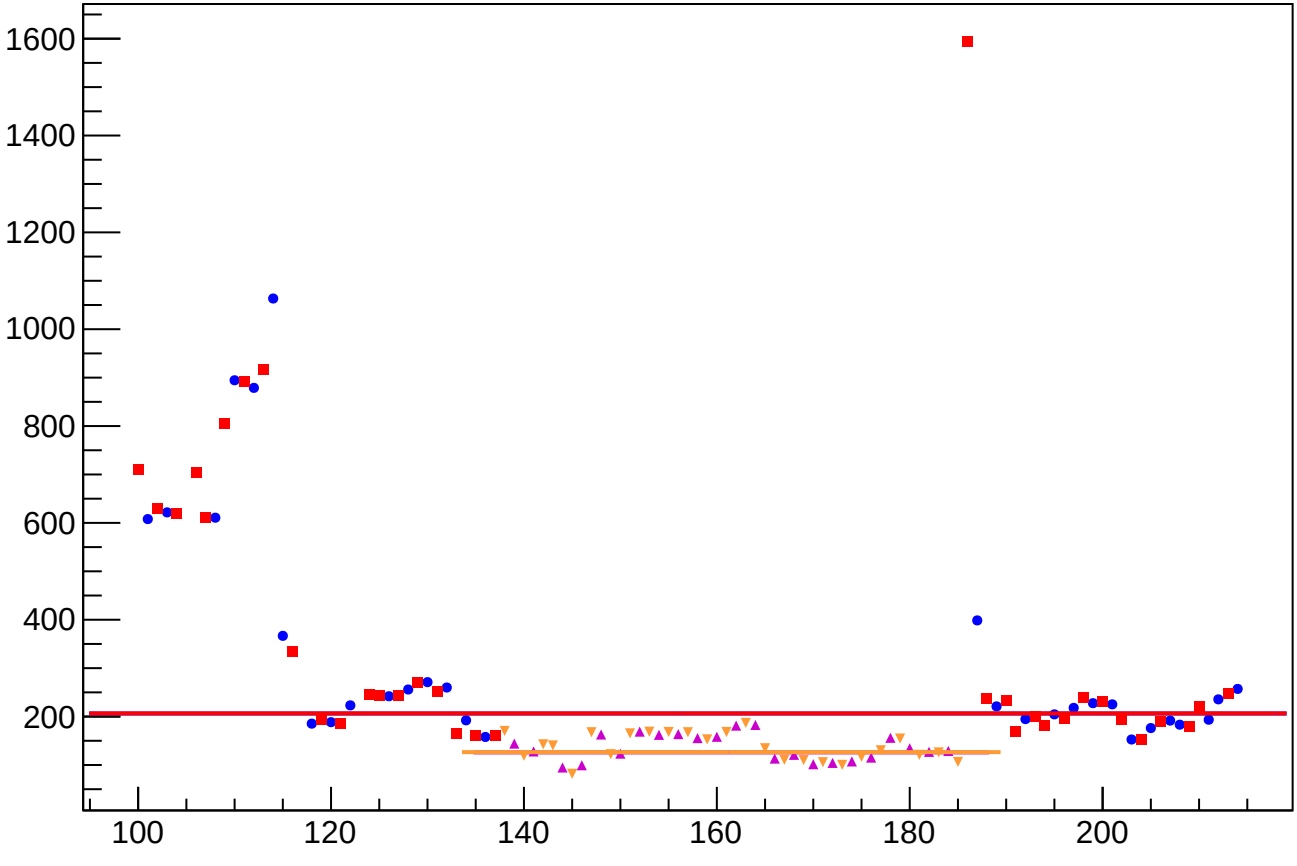
Right: 34.850+/-35.990 χ^2/NDF: 97.9/63

In: -22.689+/-25.963 χ^2/NDF:61.2/52

Out: -27.494+/-25.564 χ^2/NDF:114.9/58

All: -25.129+/-18.216 χ^2/NDF: 176.1/111

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

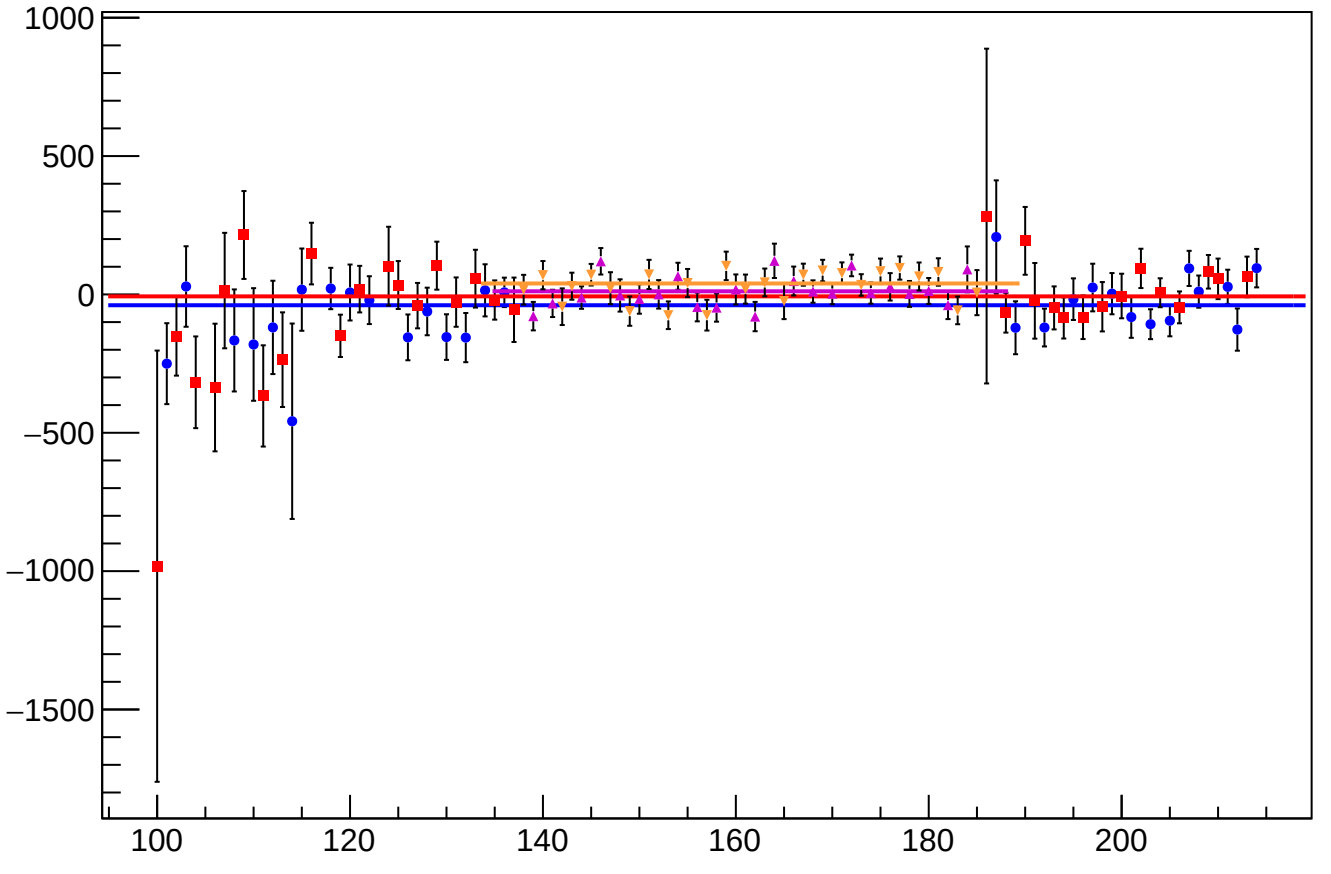
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 206.410+/-0.025 χ^2/NDF: 8327606.7/63

In: 146.911+/-0.018 χ^2/NDF:8667763.5/52

Out: 146.724+/-0.018 χ^2/NDF:10200929.5/58

All: 146.816+/-0.013 χ^2/NDF: 18868745.6/1



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

Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

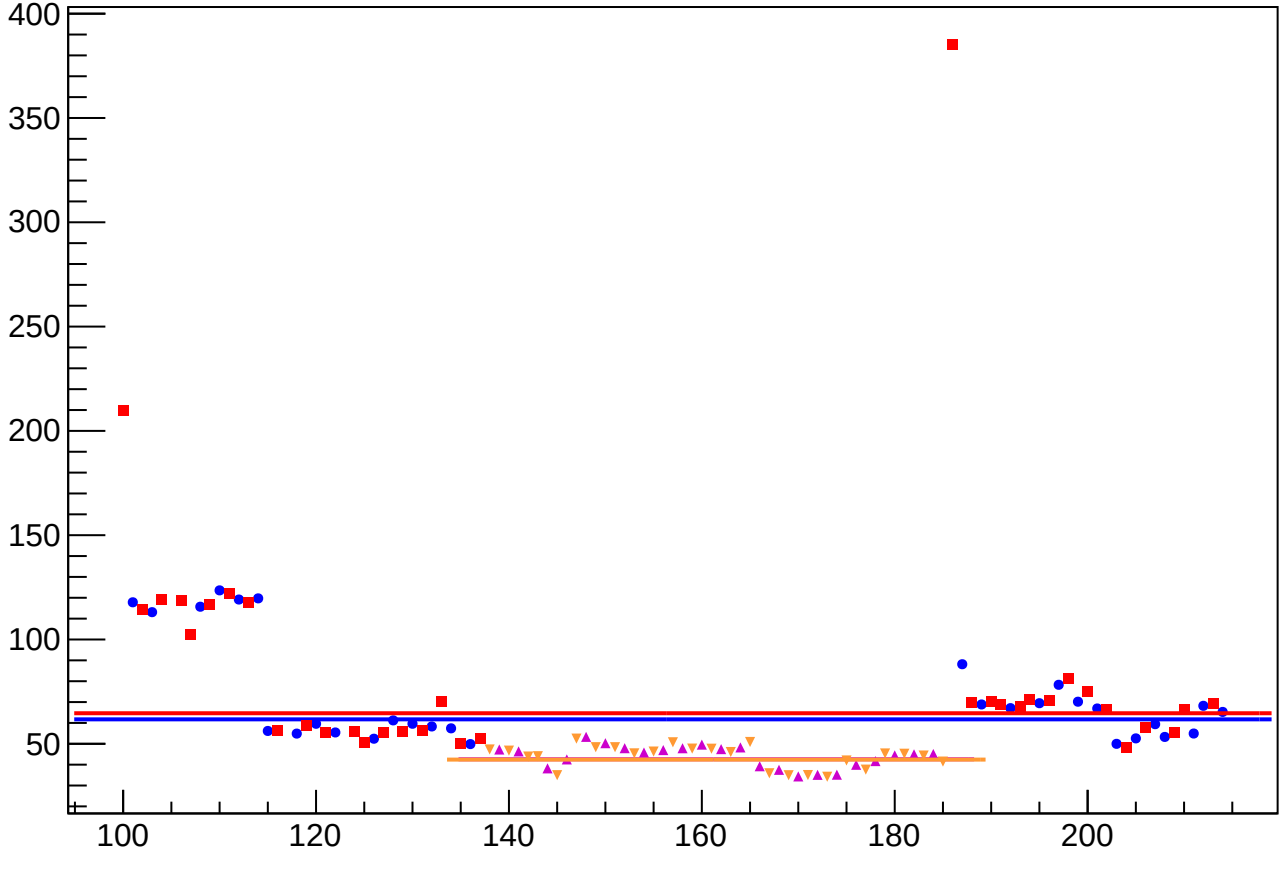
Right: -23.680+/-10.710 χ^2/NDF: 70.7/63

In: -4.563+/-8.341 χ^2/NDF:67.3/52

Out: 26.290+/-8.242 χ^2/NDF:73.1/58

All: 11.049+/-5.863 χ^2/NDF: 147.3/111

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

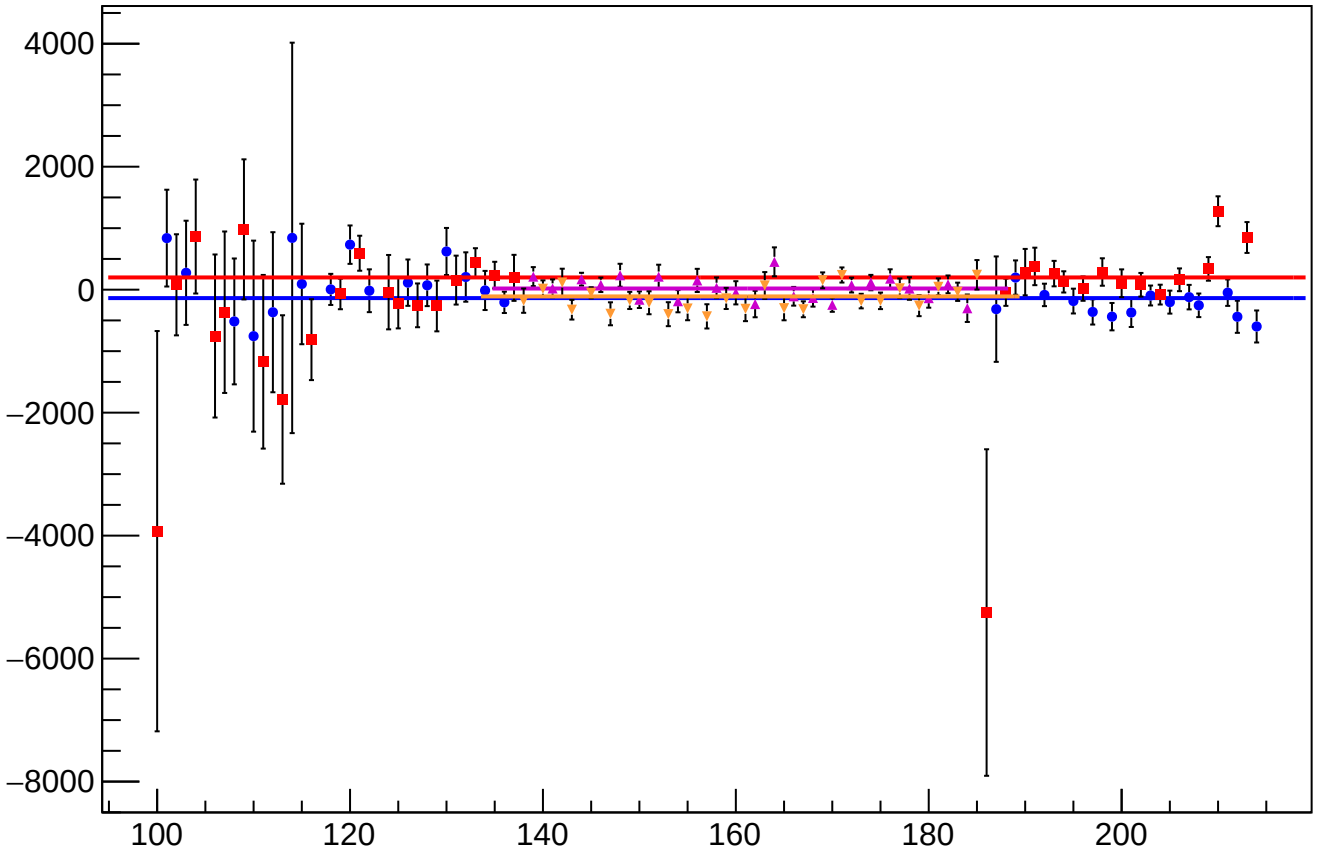
Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

Right: 63.127+/-0.008 χ^2/NDF: 4394445.4/63

In: 48.605+/-0.006 χ^2/NDF:4634301.6/52

Out: 48.755+/-0.006 χ^2/NDF:6244407.0/58

All: 48.681+/-0.004 χ^2/NDF: 10879034.3/111



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

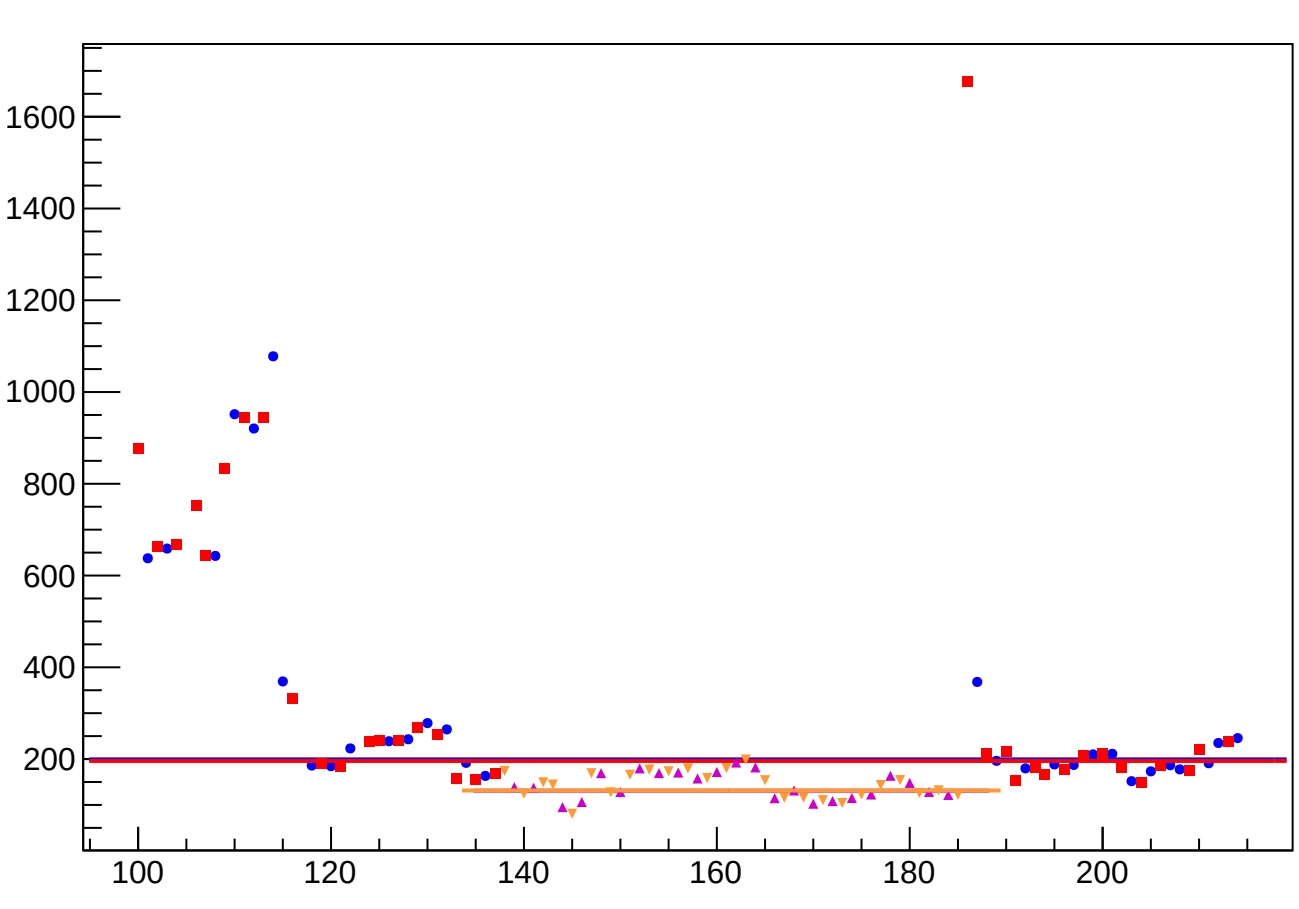
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 33.698+/-34.507 χ^2/NDF: 105.2/63

In: -26.426+/-26.517 χ^2/NDF:61.4/52

Out: -21.048+/-25.960 χ^2/NDF:119.7/58

All: -23.680+/-18.550 χ^2/NDF: 181.2/111



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

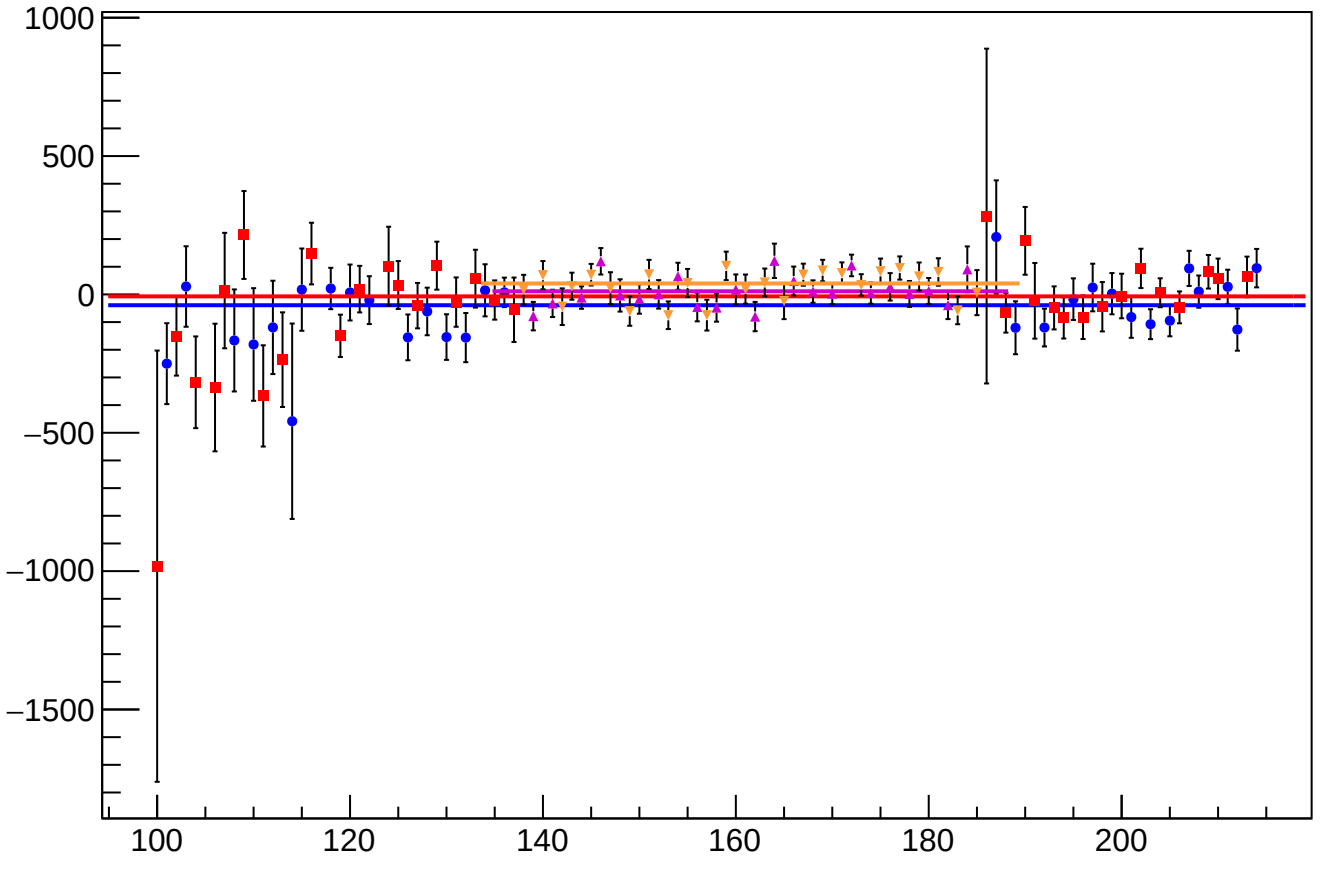
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 197.542+/-0.024 χ^2/NDF: 8727722.6/63

In: 150.871+/-0.019 χ^2/NDF:7846290.3/52

Out: 150.032+/-0.018 χ^2/NDF:9491833.1/58

All: 150.443+/-0.013 χ^2/NDF: 17339143.9/11



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

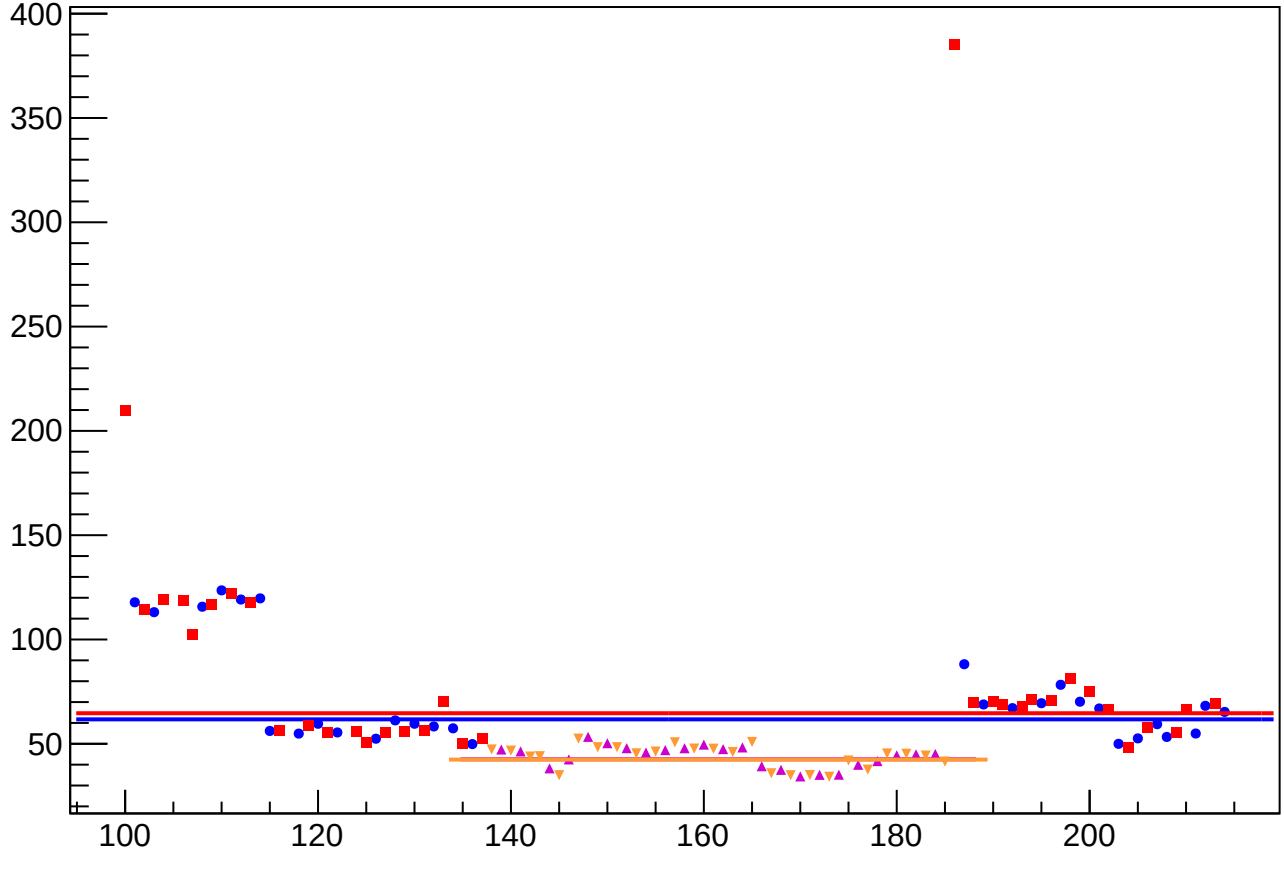
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -23.681+/-10.710 χ^2/NDF: 70.7/63

In: -4.562+/-8.341 χ^2/NDF:67.3/52

Out: 26.291+/-8.242 χ^2/NDF:73.1/58

All: 11.049+/-5.863 χ^2/NDF: 147.3/111



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

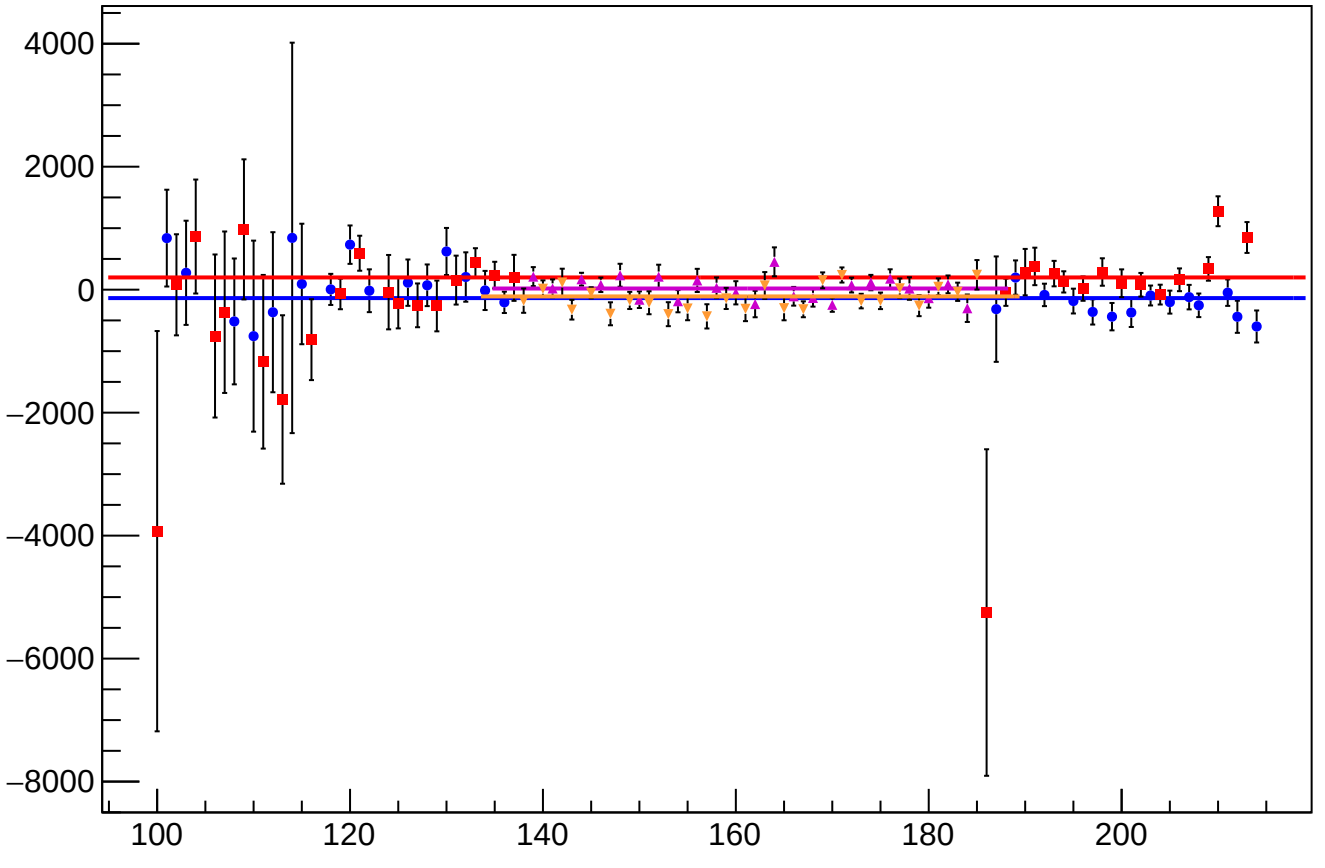
Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

Right: 63.127+/-0.008 χ^2/NDF: 4394418.3/63

In: 48.605+/-0.006 χ^2/NDF:4634274.1/52

Out: 48.755+/-0.006 χ^2/NDF:6244456.1/58

All: 48.681+/-0.004 χ^2/NDF: 10879055.6/111



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

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

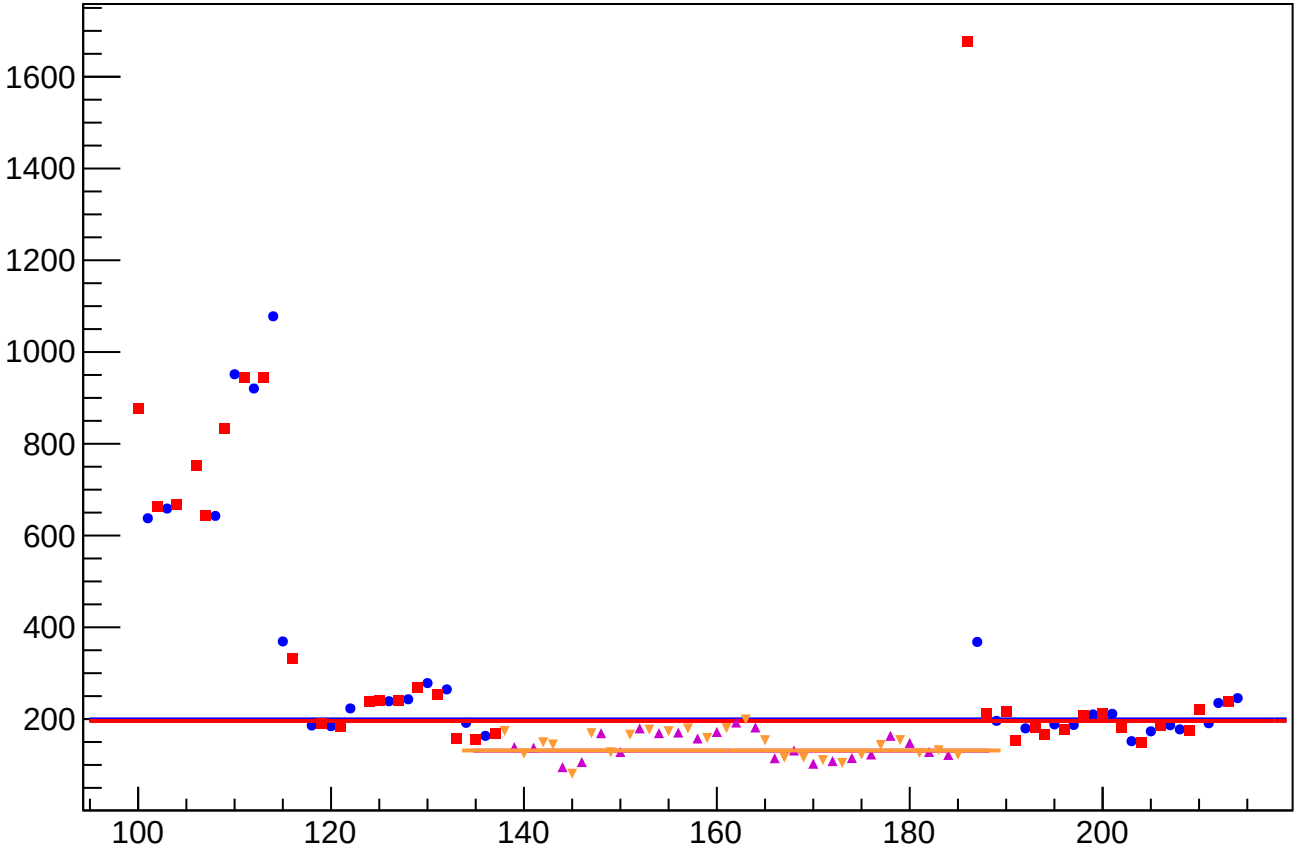
Right: 33.697+/-34.507 χ^2/NDF: 105.2/63

In: -26.426+/-26.517 χ^2/NDF:61.4/52

Out: -21.048+/-25.960 χ^2/NDF:119.7/58

All: -23.680+/-18.550 χ^2/NDF: 181.2/111

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

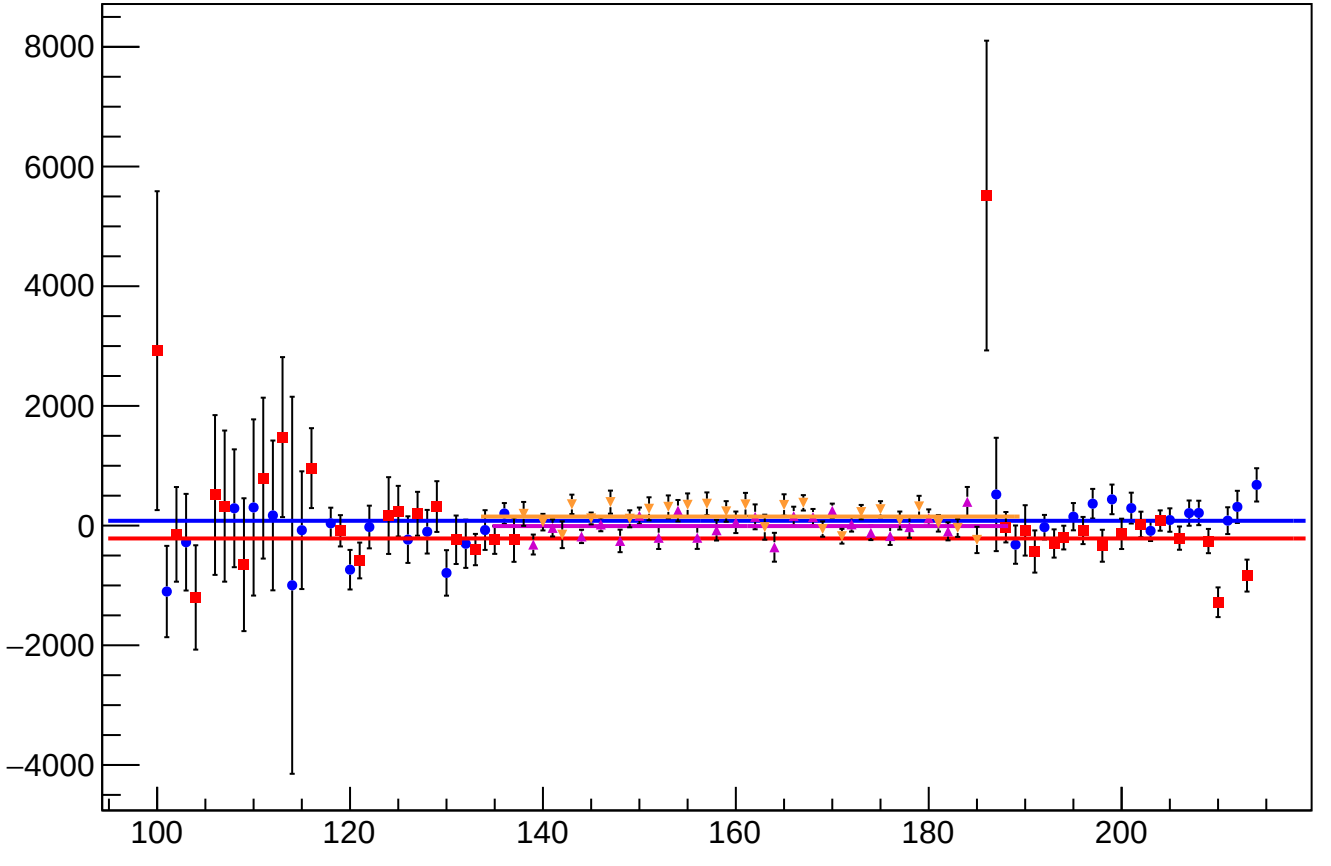
Right: 197.542+/-0.024 χ^2/NDF: 8727733.6/63

In: 150.871+/-0.019 χ^2/NDF:7846248.0/52

Out: 150.032+/-0.018 χ^2/NDF:9491775.6/58

All: 150.443+/-0.013 χ^2/NDF: 17339044.1/11

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

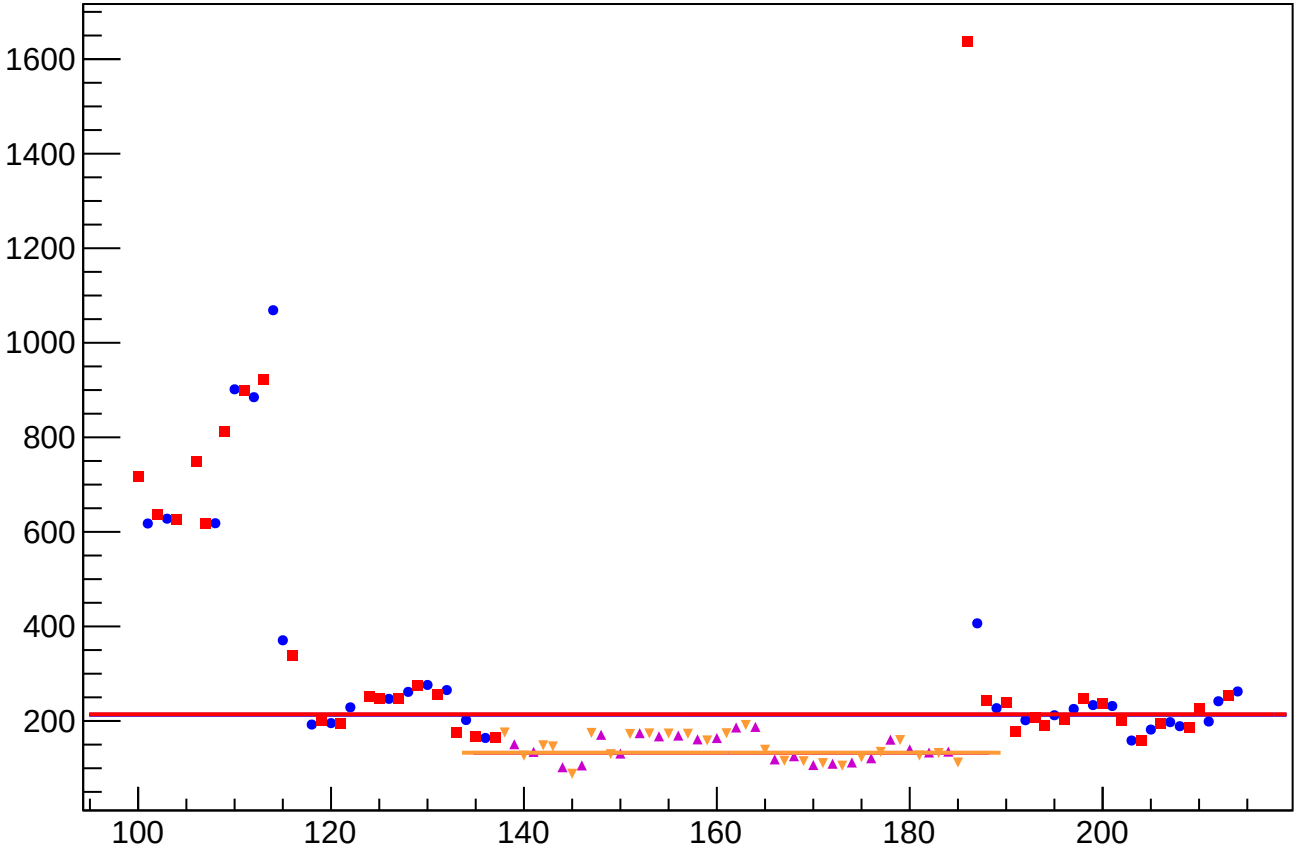
Right: -66.996+/-37.166 χ^2/NDF: 96.1/63

In: 15.564+/-27.087 χ^2/NDF:61.7/52

Out: 56.994+/-26.679 χ^2/NDF:119.2/58

All: 36.594+/-19.008 χ^2/NDF: 182.1/111

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

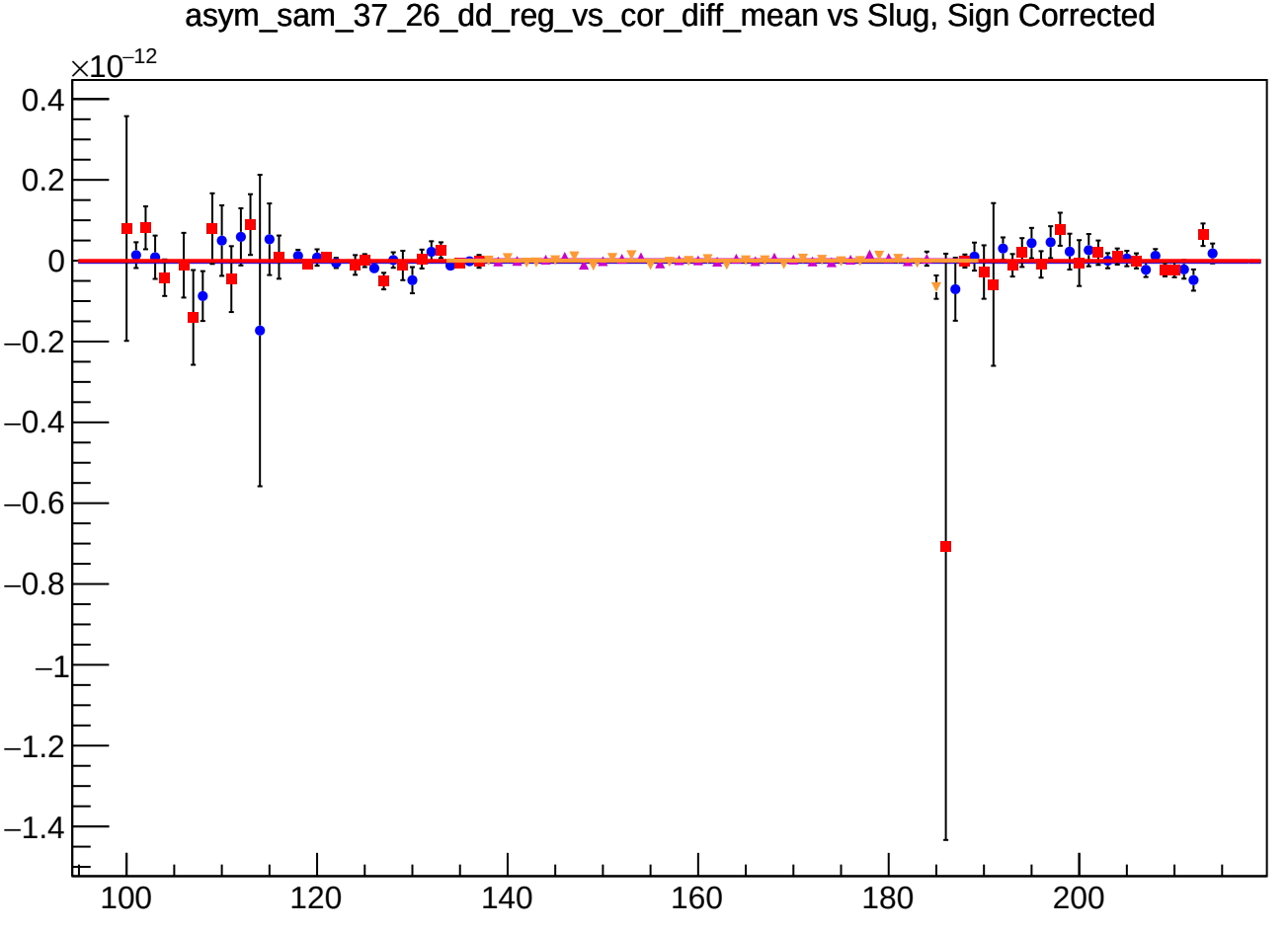
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 213.653+/-0.026 χ^2/NDF: 8174104.1/63

In: 153.865+/-0.019 χ^2/NDF:8233372.7/52

Out: 153.758+/-0.019 χ^2/NDF:9832750.2/58

All: 153.810+/-0.013 χ^2/NDF: 18066138.6/1



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

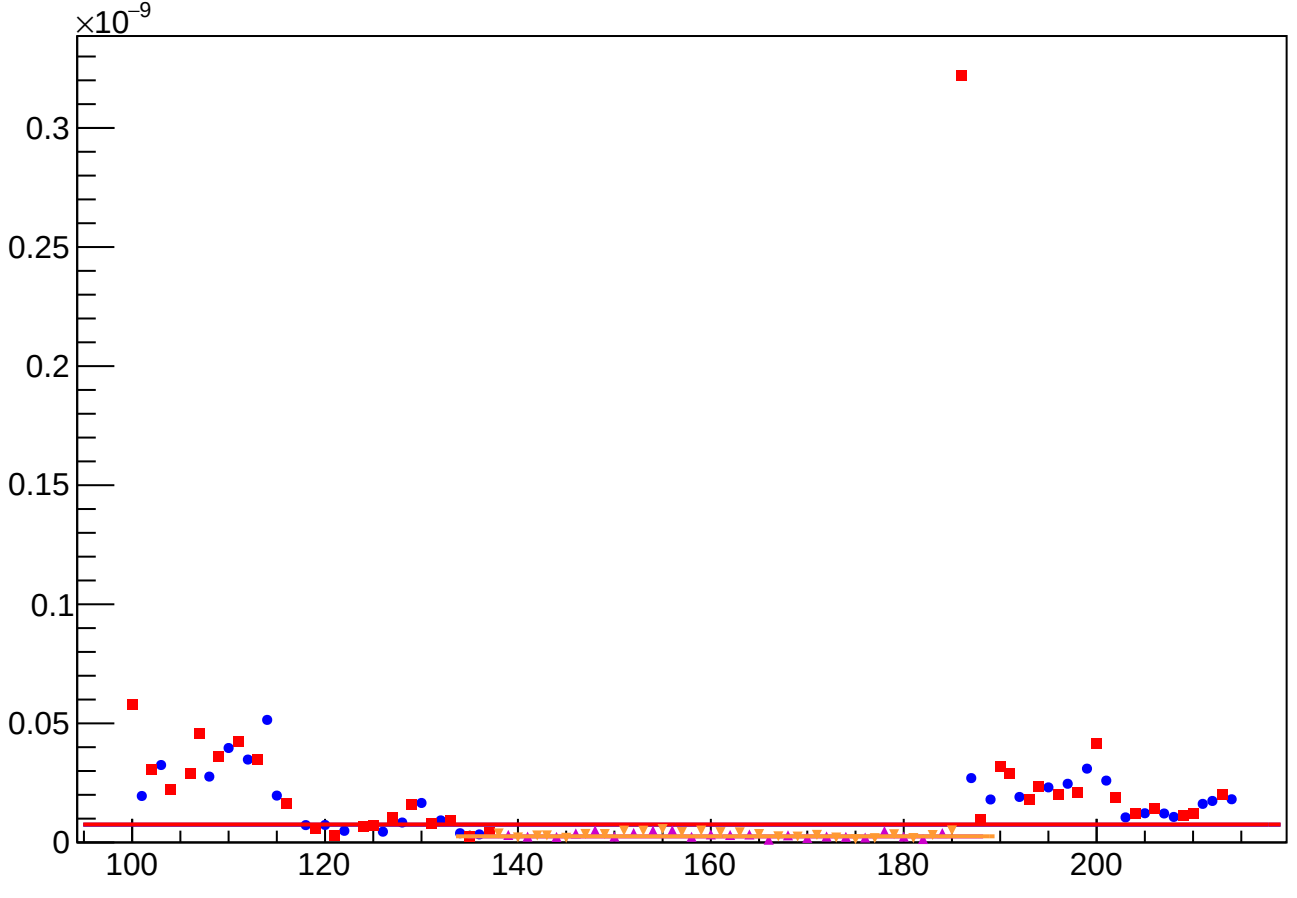
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 57.2/63

In: 0.000+/-0.000 χ^2/NDF:40.6/52

Out: 0.000+/-0.000 χ^2/NDF:65.0/58

All: 0.000+/-0.000 χ^2/NDF: 105.8/111



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

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

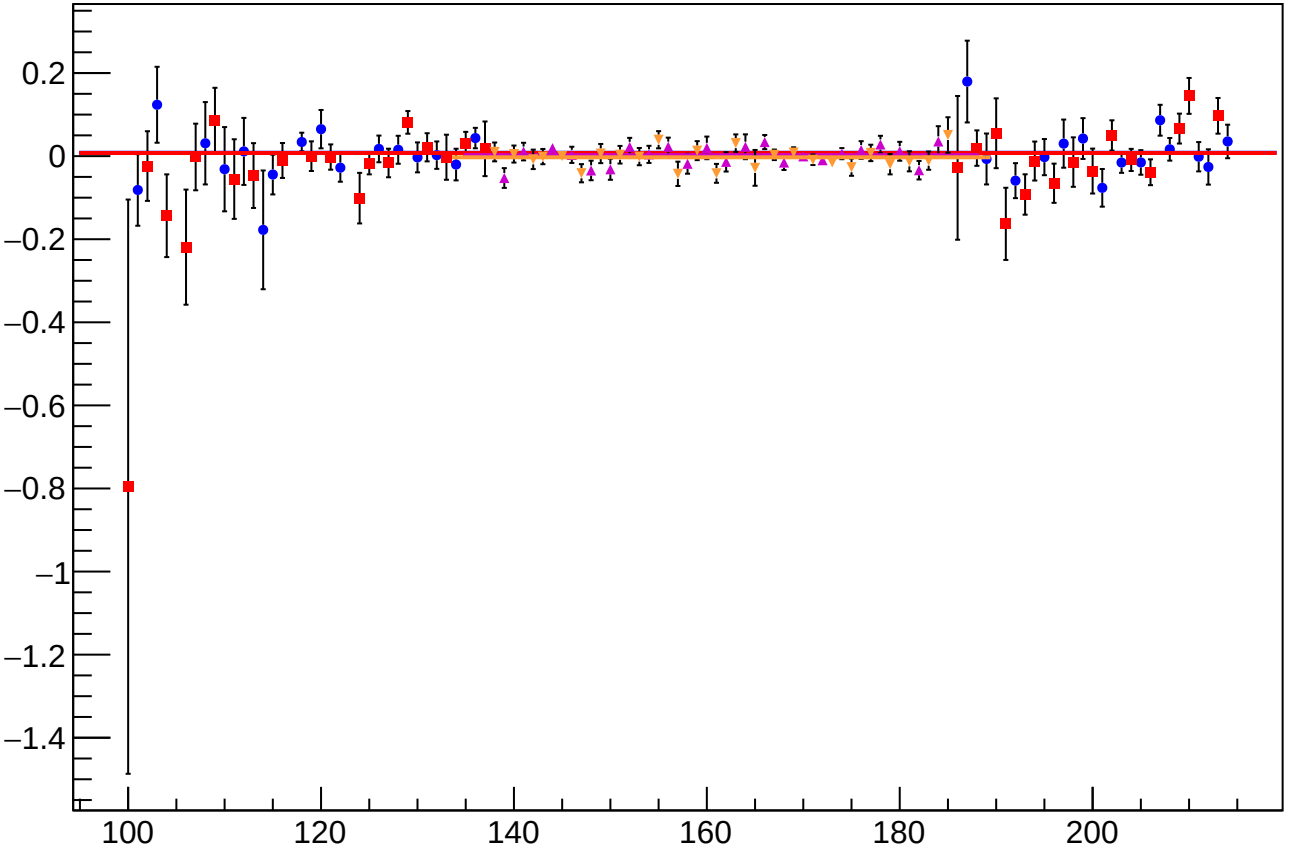
Right: 0.000+/-0.000 χ^2/NDF: 15070588.7/63

In: 0.000+/-0.000 χ^2/NDF:12879920.1/52

Out: 0.000+/-0.000 χ^2/NDF:14010423.8/58

All: 0.000+/-0.000 χ^2/NDF: 26890561.6/111

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

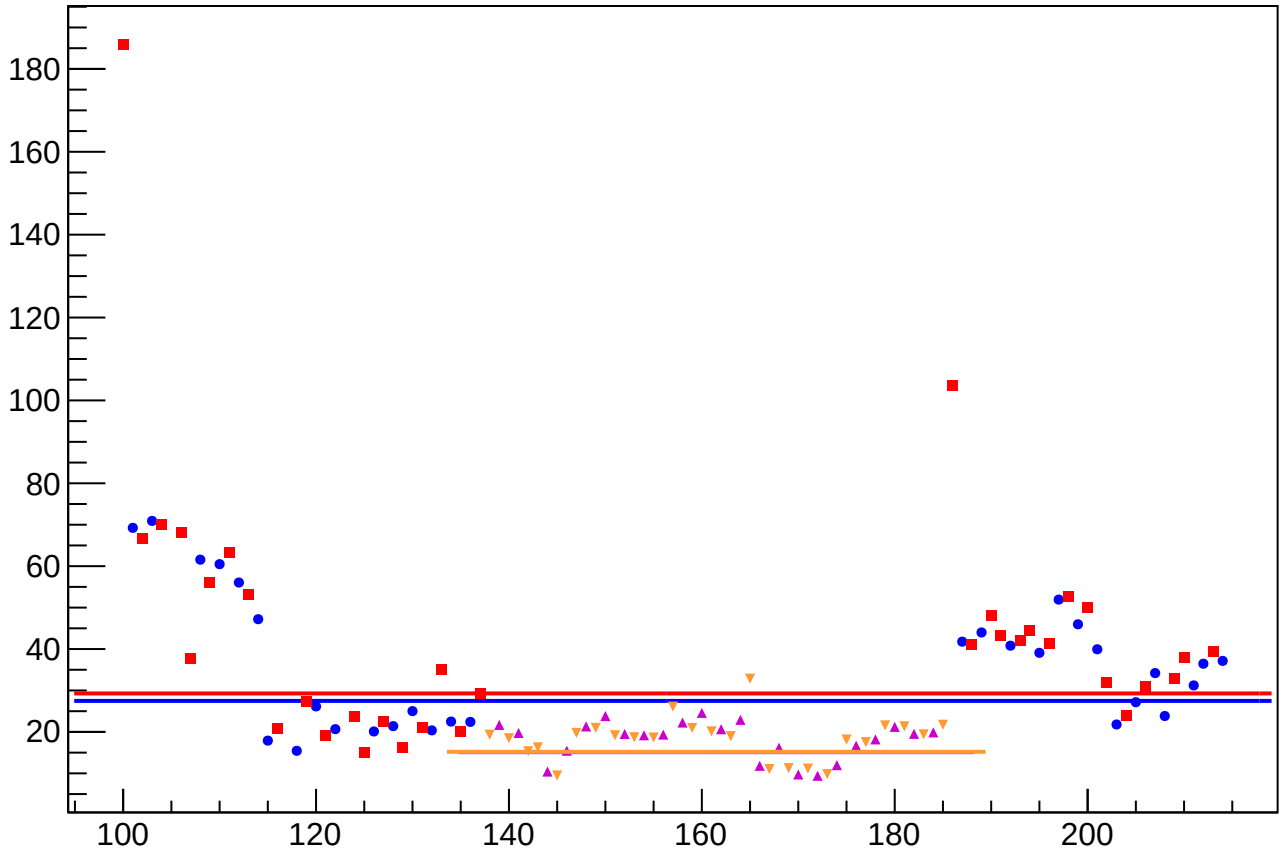
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.008+/-0.005 χ^2/NDF: 84.1/63

In: 0.004+/-0.003 χ^2/NDF:57.1/52

Out: -0.001+/-0.003 χ^2/NDF:78.6/58

All: 0.001+/-0.002 χ^2/NDF: 136.5/111



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

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

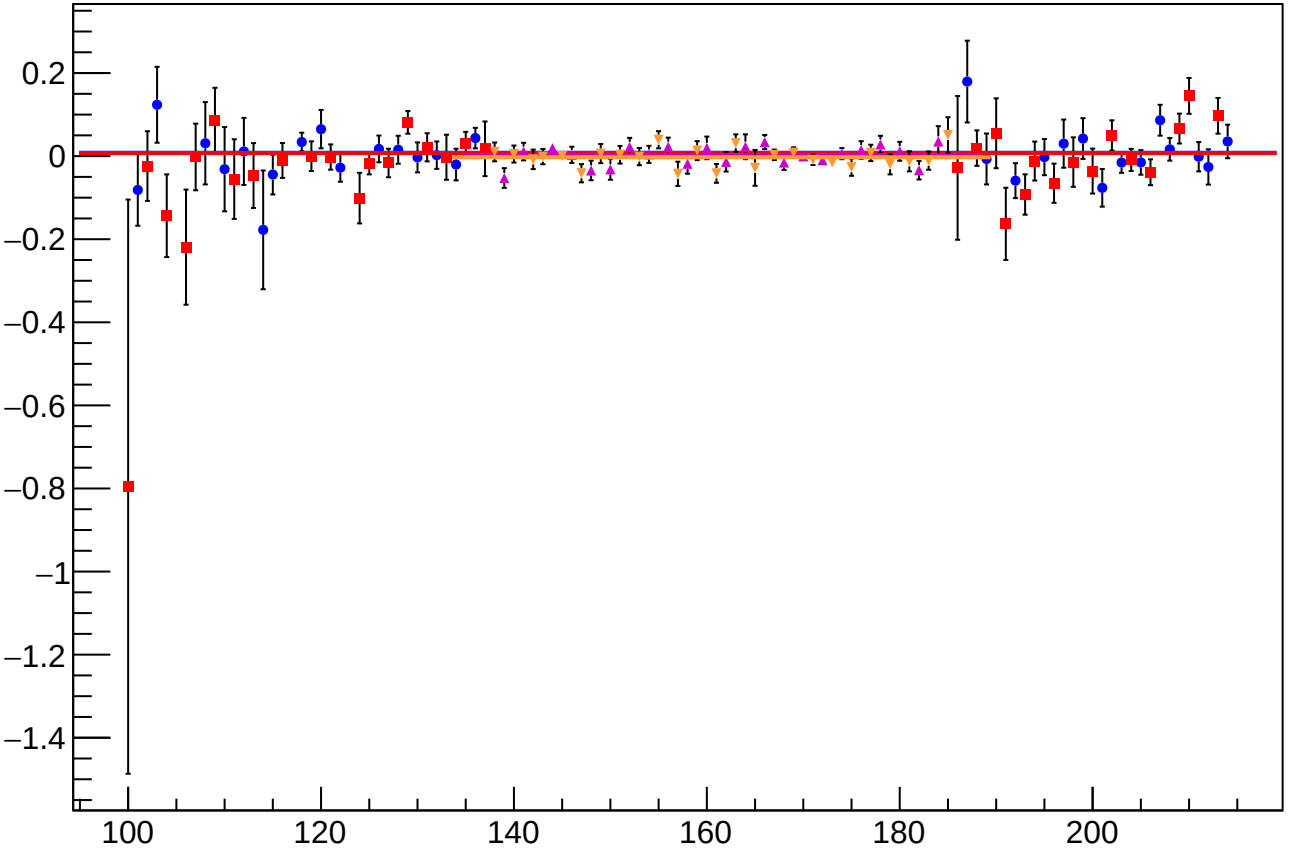
Right: 28.336+/-0.004 χ^2/NDF: 10156087.2/63

In: 17.893+/-0.002 χ^2/NDF:12644855.9/52

Out: 17.957+/-0.002 χ^2/NDF:14643246.5/58

All: 17.926+/-0.002 χ^2/NDF: 27288467.2/111

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

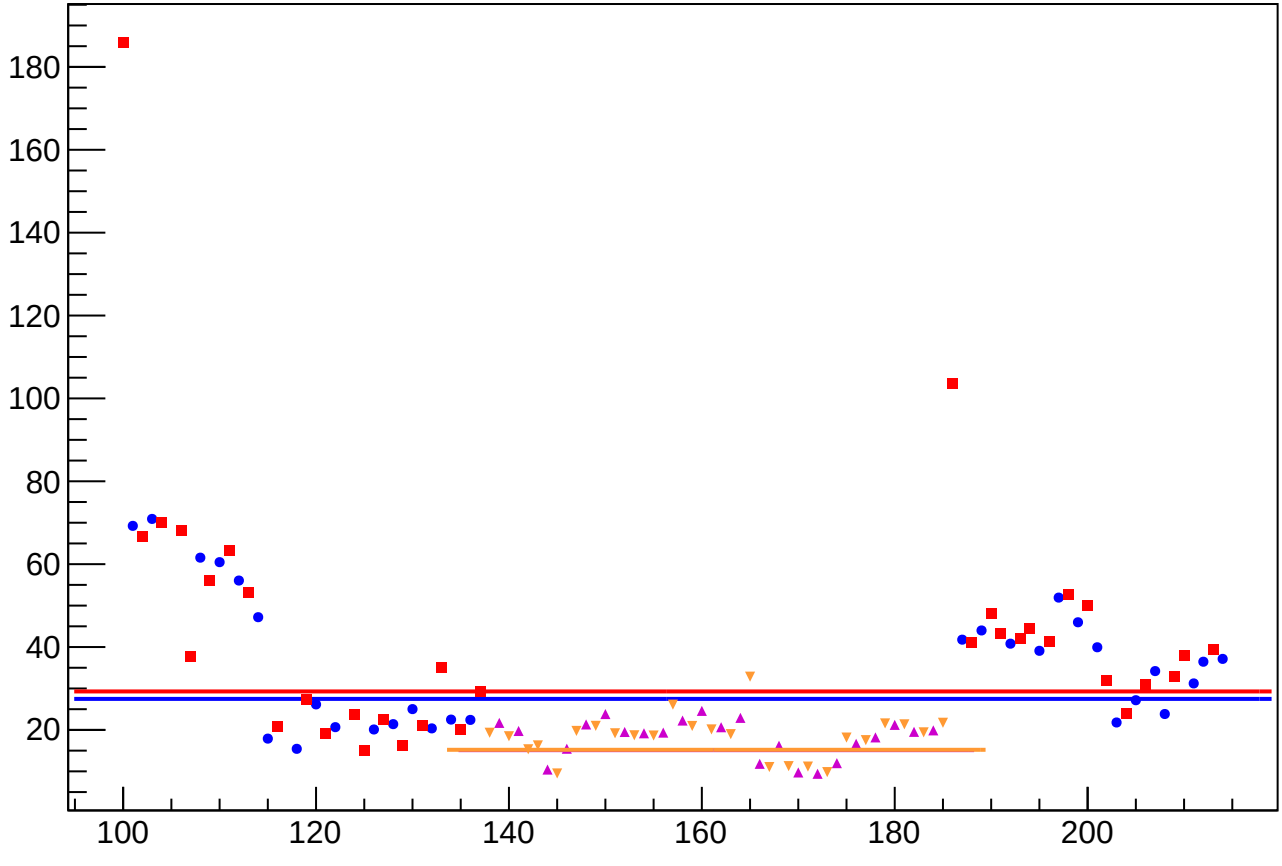
Right: 0.008+/-0.005 χ^2/NDF: 84.1/63

In: 0.004+/-0.003 χ^2/NDF:57.1/52

Out: -0.001+/-0.003 χ^2/NDF:78.6/58

All: 0.001+/-0.002 χ^2/NDF: 136.5/111

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

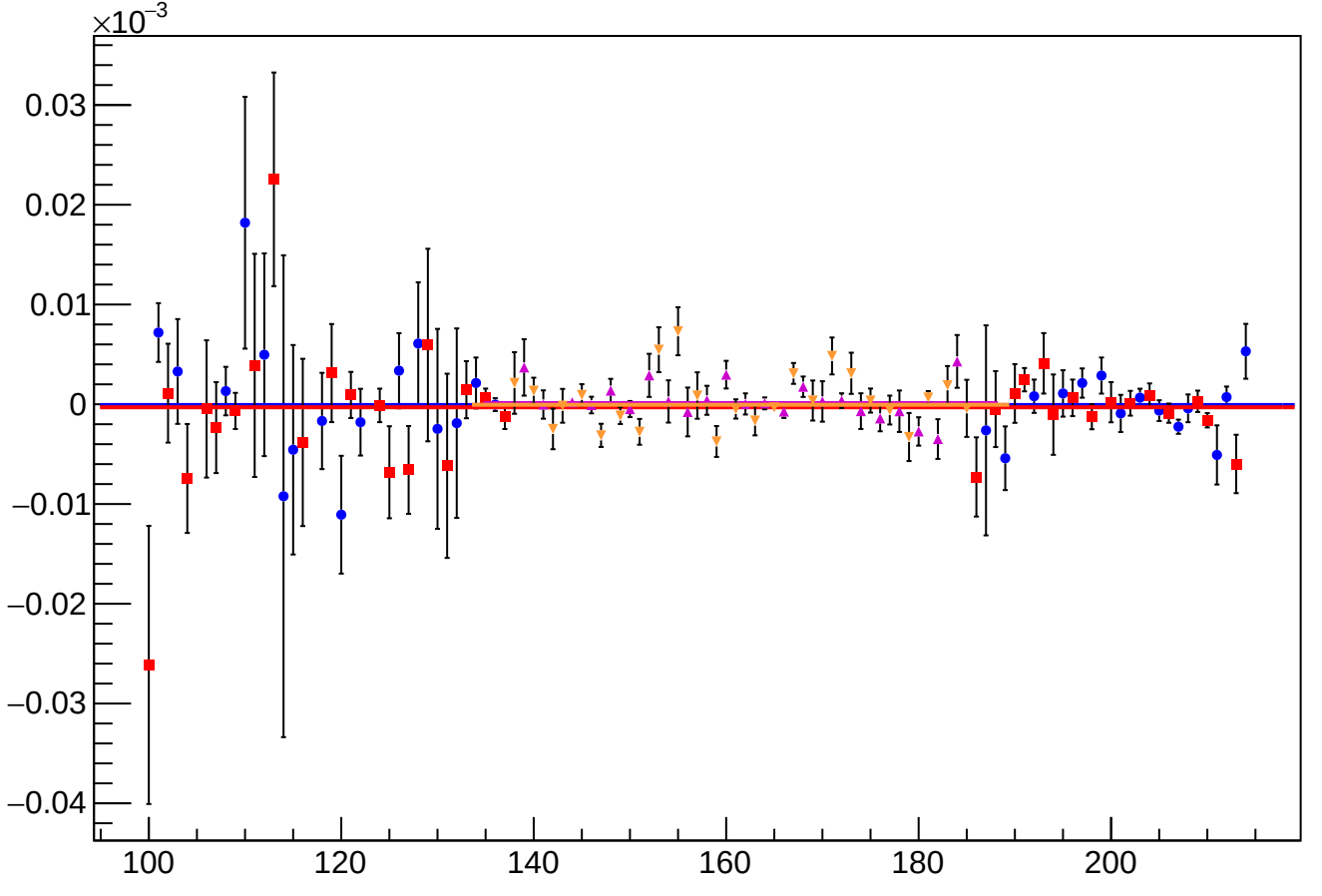
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 28.336+/-0.004 χ^2/NDF: 10156087.2/63

In: 17.893+/-0.002 χ^2/NDF:12644855.9/52

Out: 17.957+/-0.002 χ^2/NDF:14643246.5/58

All: 17.926+/-0.002 χ^2/NDF: 27288467.2/111



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

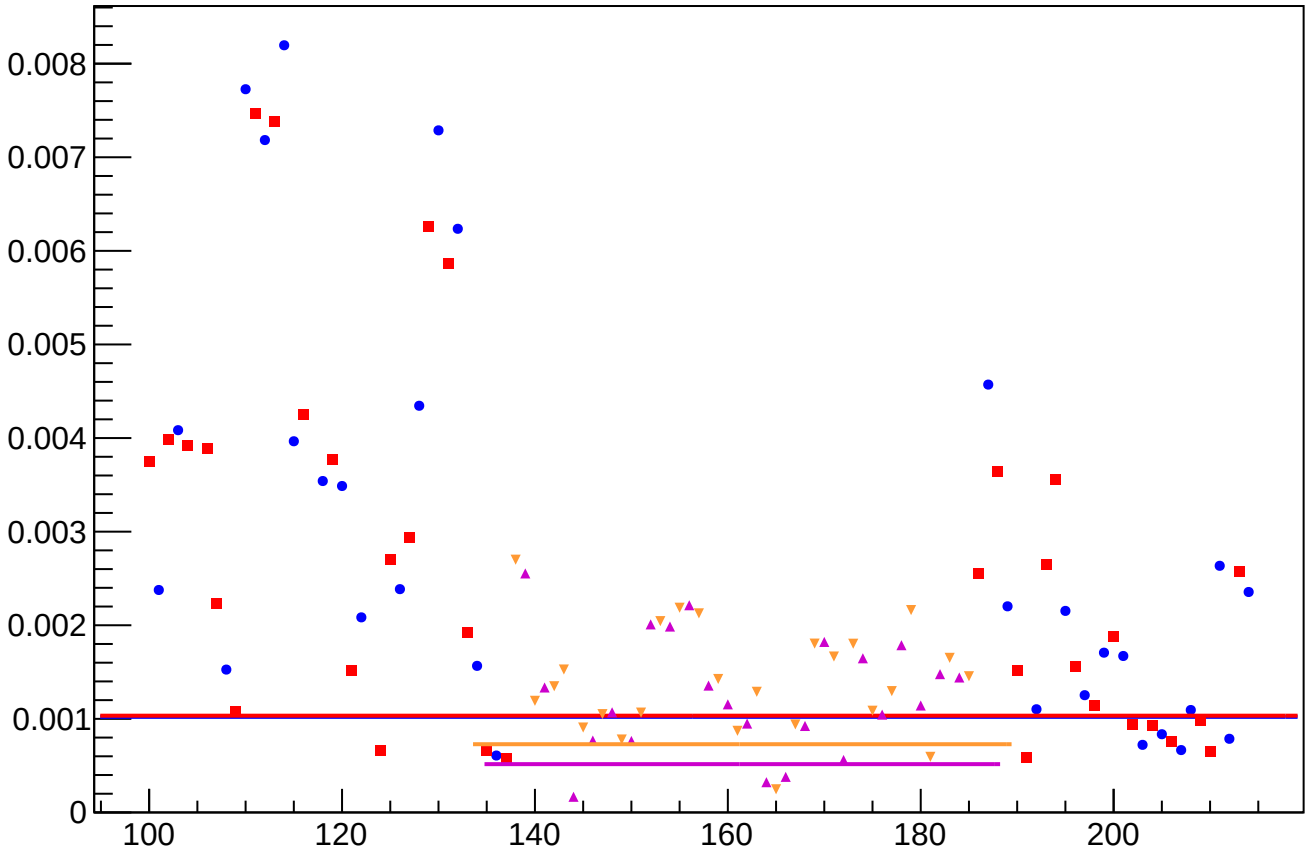
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: -0.000+/-0.000 χ^2/NDF: 81.1/63

In: 0.000+/-0.000 χ^2/NDF:67.9/52

Out: -0.000+/-0.000 χ^2/NDF:102.0/58

All: -0.000+/-0.000 χ^2/NDF: 170.7/111



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

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

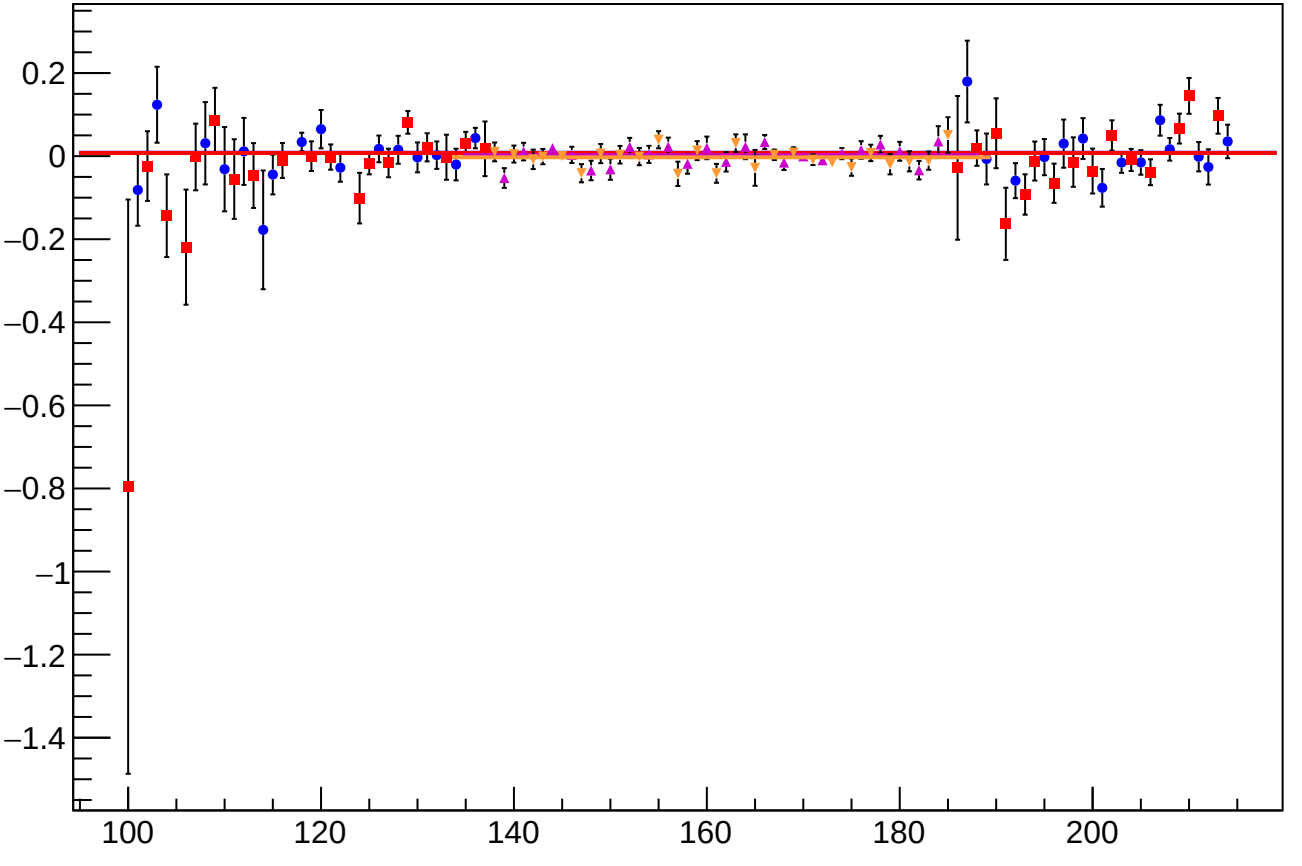
Right: 0.001+/-0.000 χ^2/NDF: 22195551.5/63

In: 0.001+/-0.000 χ^2/NDF:29710377.6/52

Out: 0.001+/-0.000 χ^2/NDF:26106801.1/58

All: 0.001+/-0.000 χ^2/NDF: 57120804.3/111

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

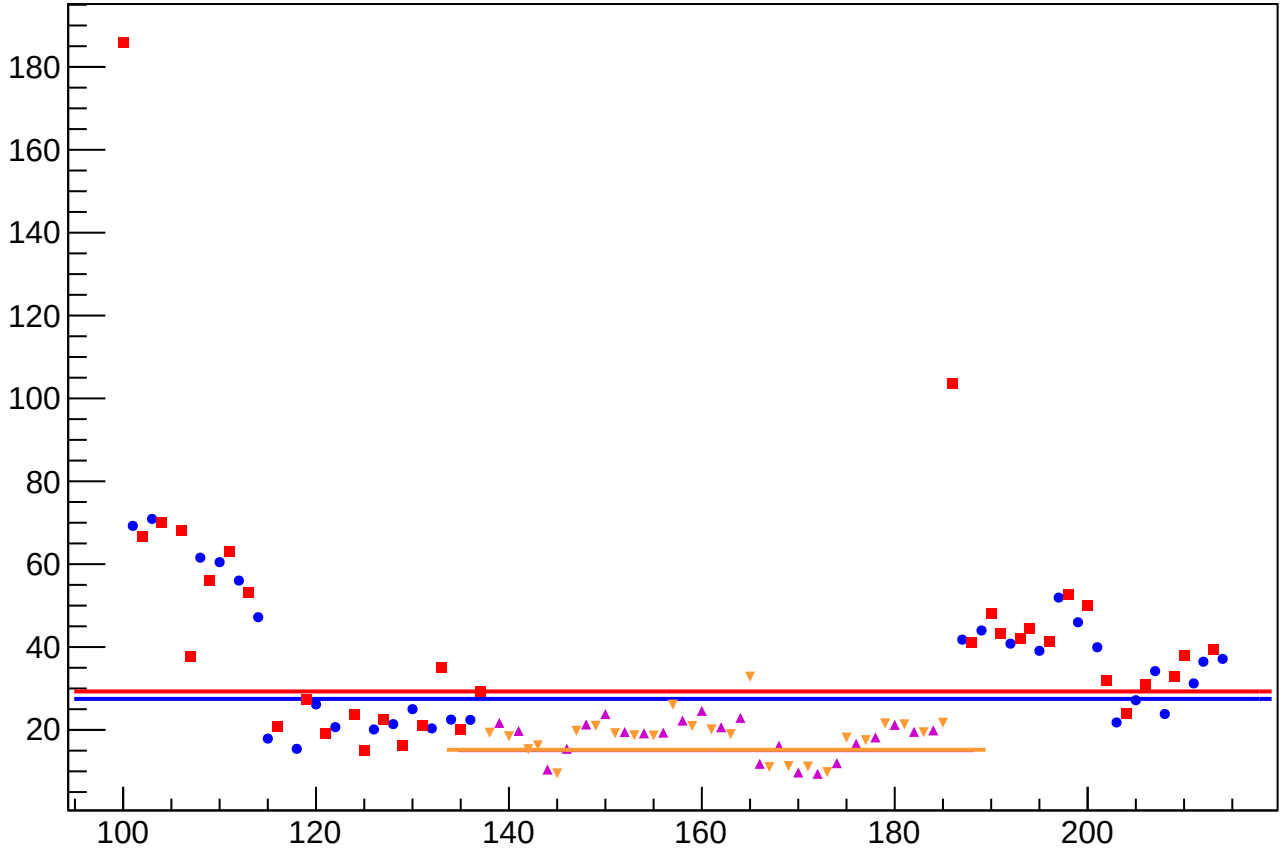
Right: 0.008+/-0.005 χ^2/NDF: 84.1/63

In: 0.004+/-0.003 χ^2/NDF:57.1/52

Out: -0.001+/-0.003 χ^2/NDF:78.6/58

All: 0.001+/-0.002 χ^2/NDF: 136.5/111

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

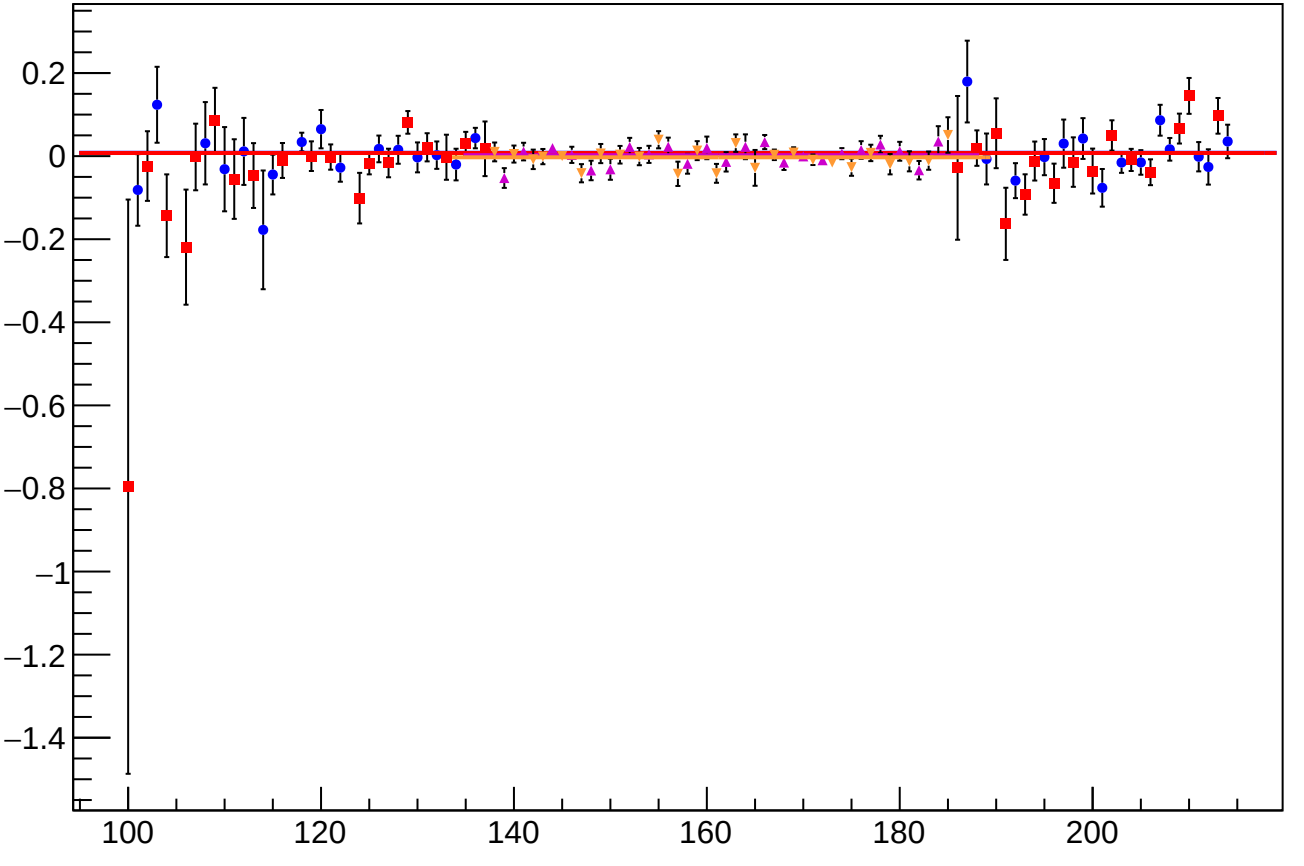
Right: 28.335+/-0.004 χ^2/NDF: 10156653.3/63

In: 17.893+/-0.002 χ^2/NDF:12644696.6/52

Out: 17.957+/-0.002 χ^2/NDF:14643353.3/58

All: 17.926+/-0.002 χ^2/NDF: 27288414.6/111

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

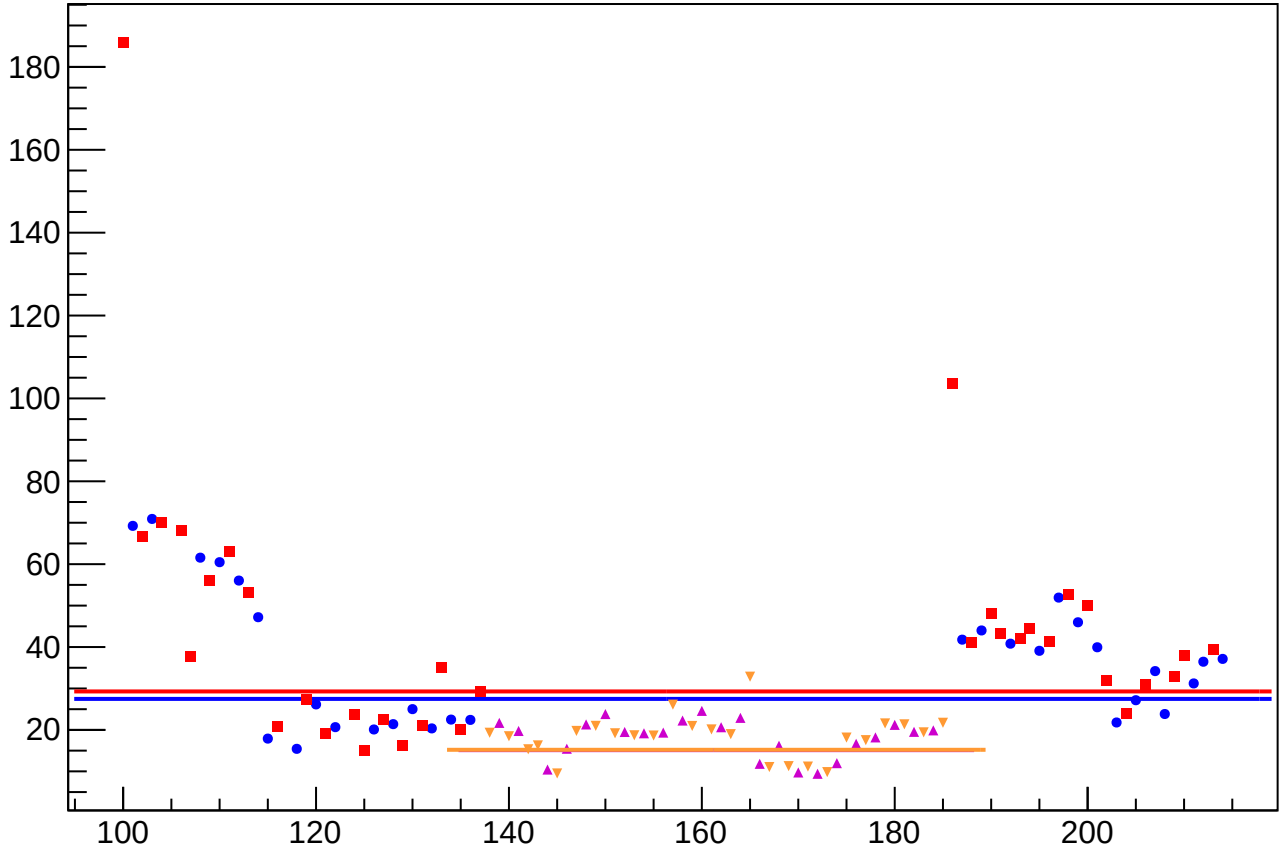
Right: 0.008+/-0.005 χ^2/NDF: 84.1/63

In: 0.004+/-0.003 χ^2/NDF:57.1/52

Out: -0.001+/-0.003 χ^2/NDF:78.6/58

All: 0.001+/-0.002 χ^2/NDF: 136.5/111

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

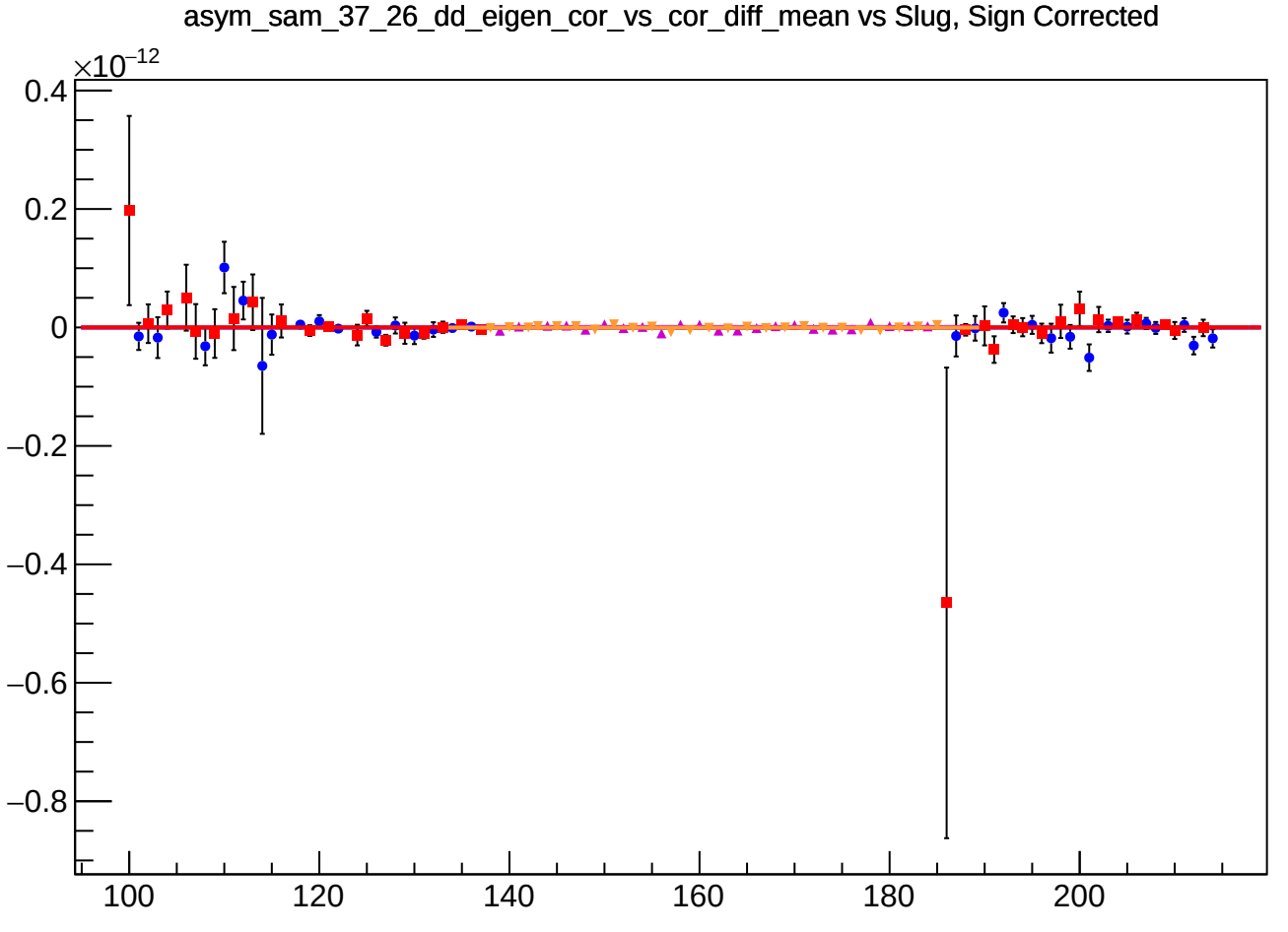
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 28.335+/-0.004 χ^2/NDF: 10156653.3/63

In: 17.893+/-0.002 χ^2/NDF:12644696.6/52

Out: 17.957+/-0.002 χ^2/NDF:14643353.3/58

All: 17.926+/-0.002 χ^2/NDF: 27288414.6/111



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

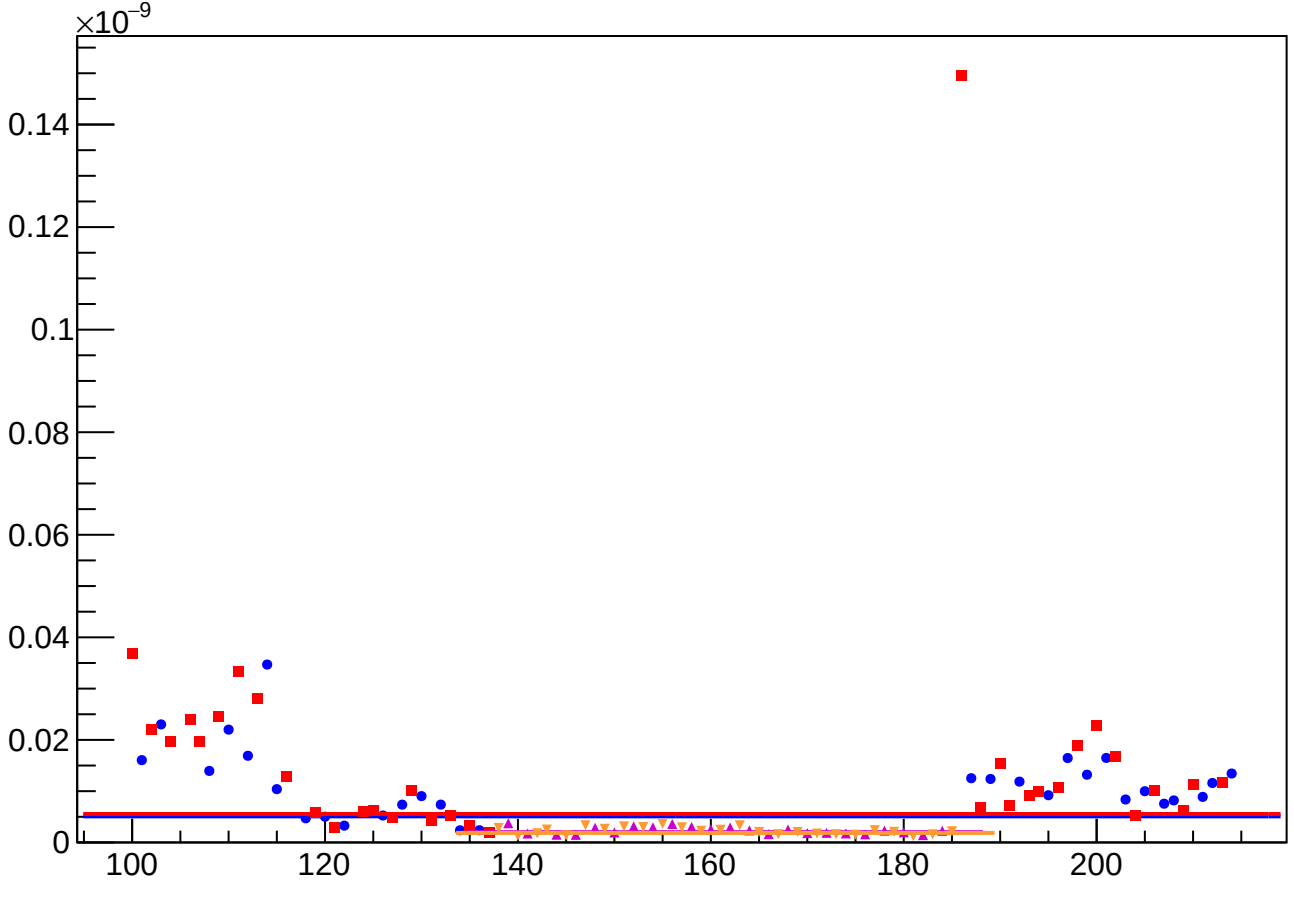
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

Right: -0.000+/-0.000 χ^2/NDF: 54.7/63

In: 0.000+/-0.000 χ^2/NDF:68.0/52

Out: -0.000+/-0.000 χ^2/NDF:47.9/58

All: 0.000+/-0.000 χ^2/NDF: 117.5/111



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

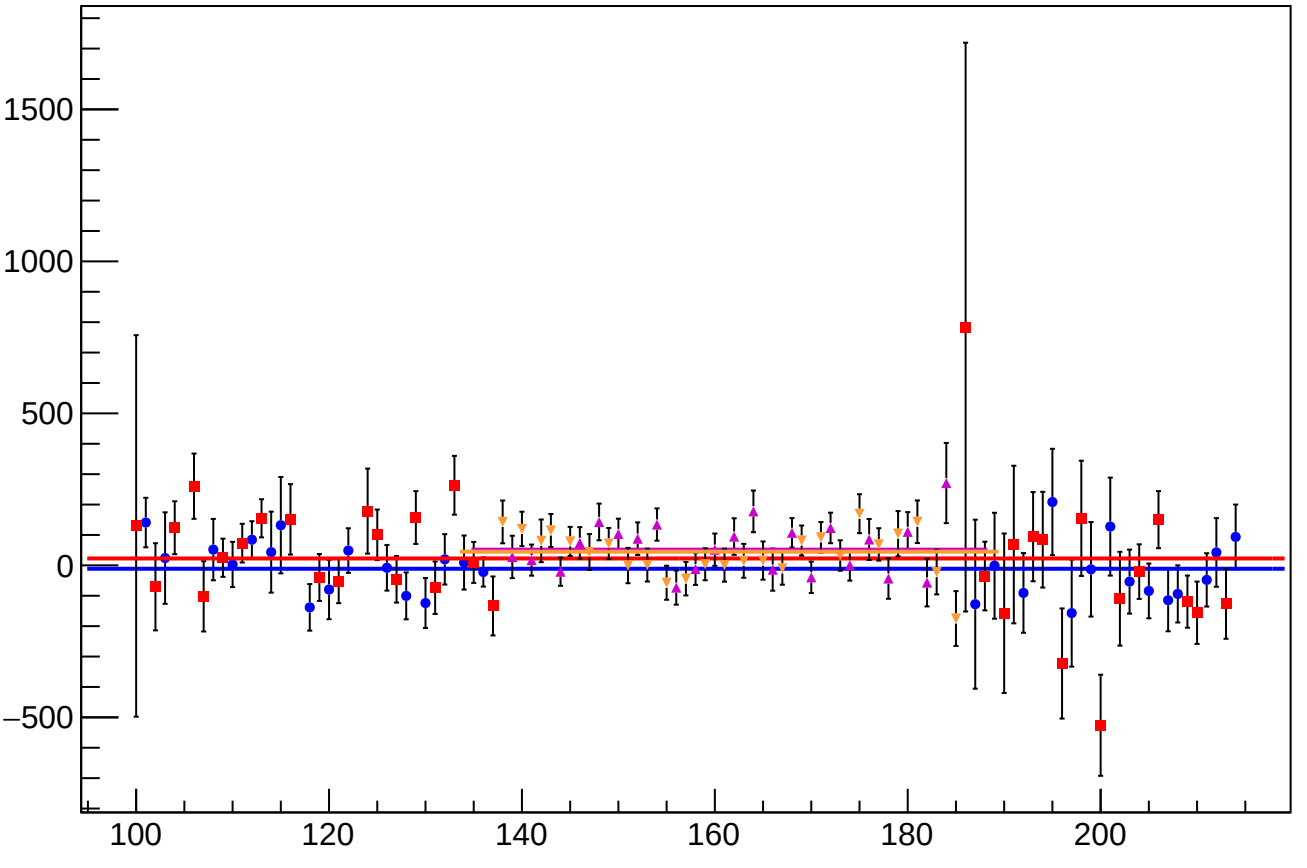
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 17706451.3/63

In: 0.000+/-0.000 χ^2/NDF:16026570.4/52

Out: 0.000+/-0.000 χ^2/NDF:18172132.2/58

All: 0.000+/-0.000 χ^2/NDF: 34309474.1/111



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

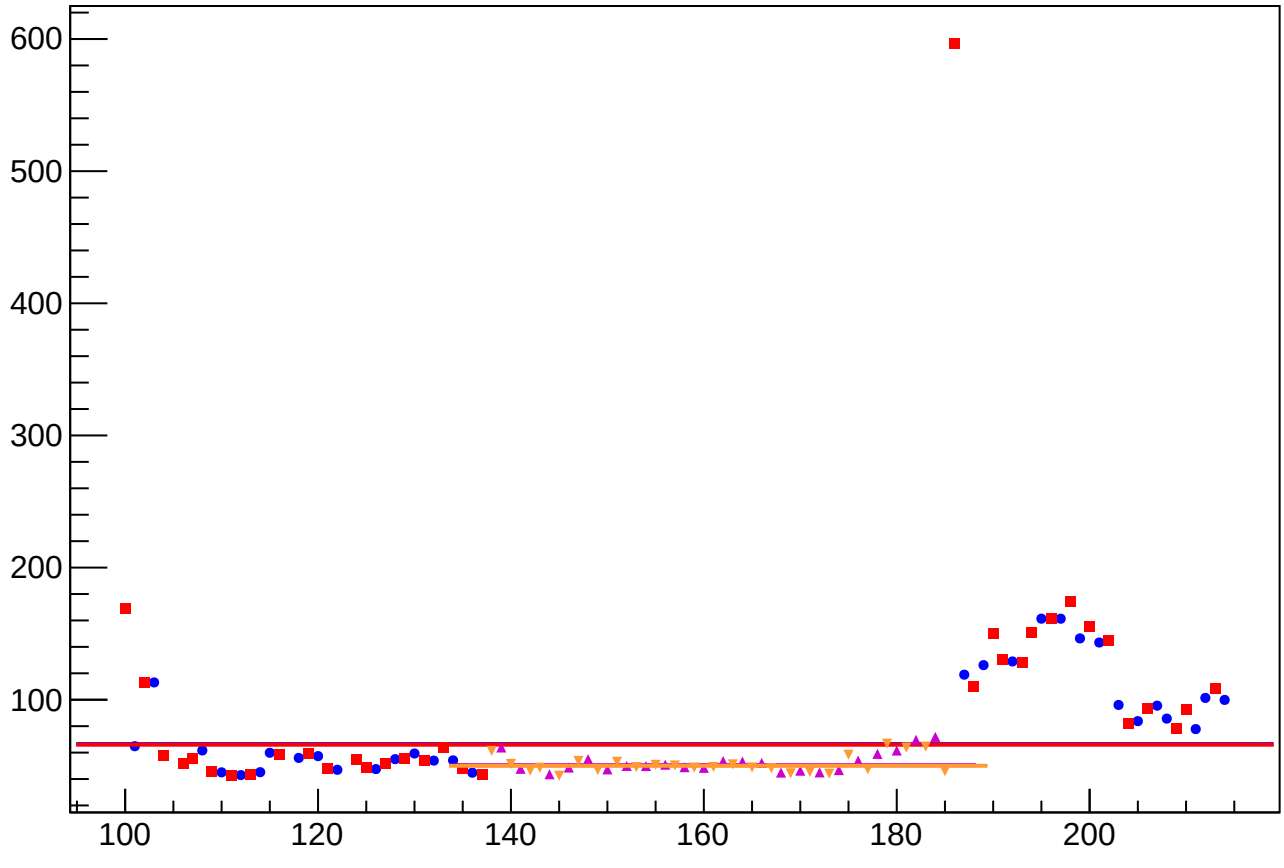
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 5.754+/-12.002 χ^2/NDF: 82.7/63

In: 30.862+/-9.761 χ^2/NDF:67.3/52

Out: 38.039+/-9.516 χ^2/NDF:90.9/58

All: 34.542+/-6.814 χ^2/NDF: 158.5/111



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

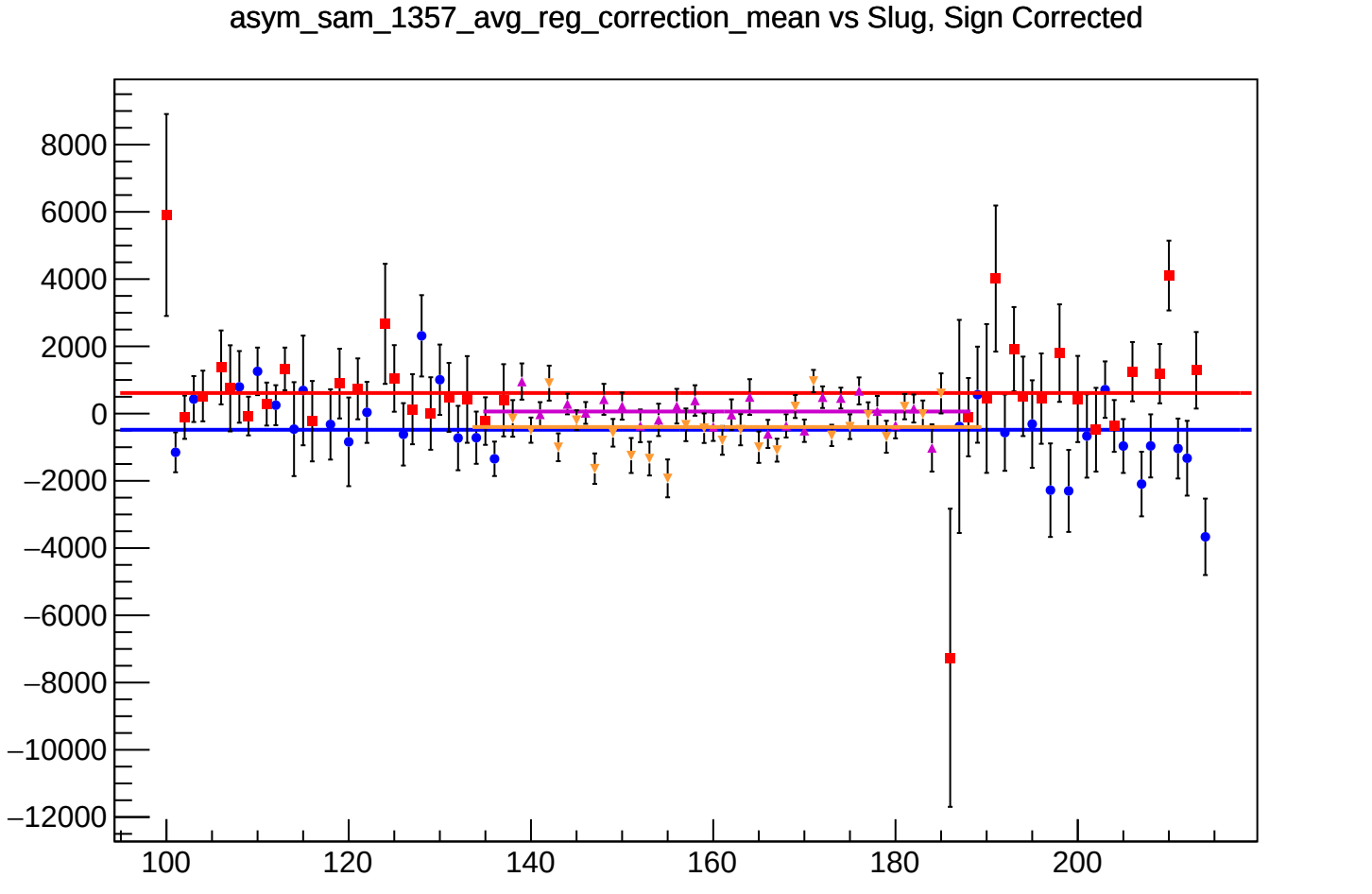
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 66.205+/-0.008 χ^2/NDF: 12333428.9/63

In: 55.760+/-0.007 χ^2/NDF:7074735.2/52

Out: 55.053+/-0.007 χ^2/NDF:8660512.9/58

All: 55.398+/-0.005 χ^2/NDF: 15740618.4/111



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

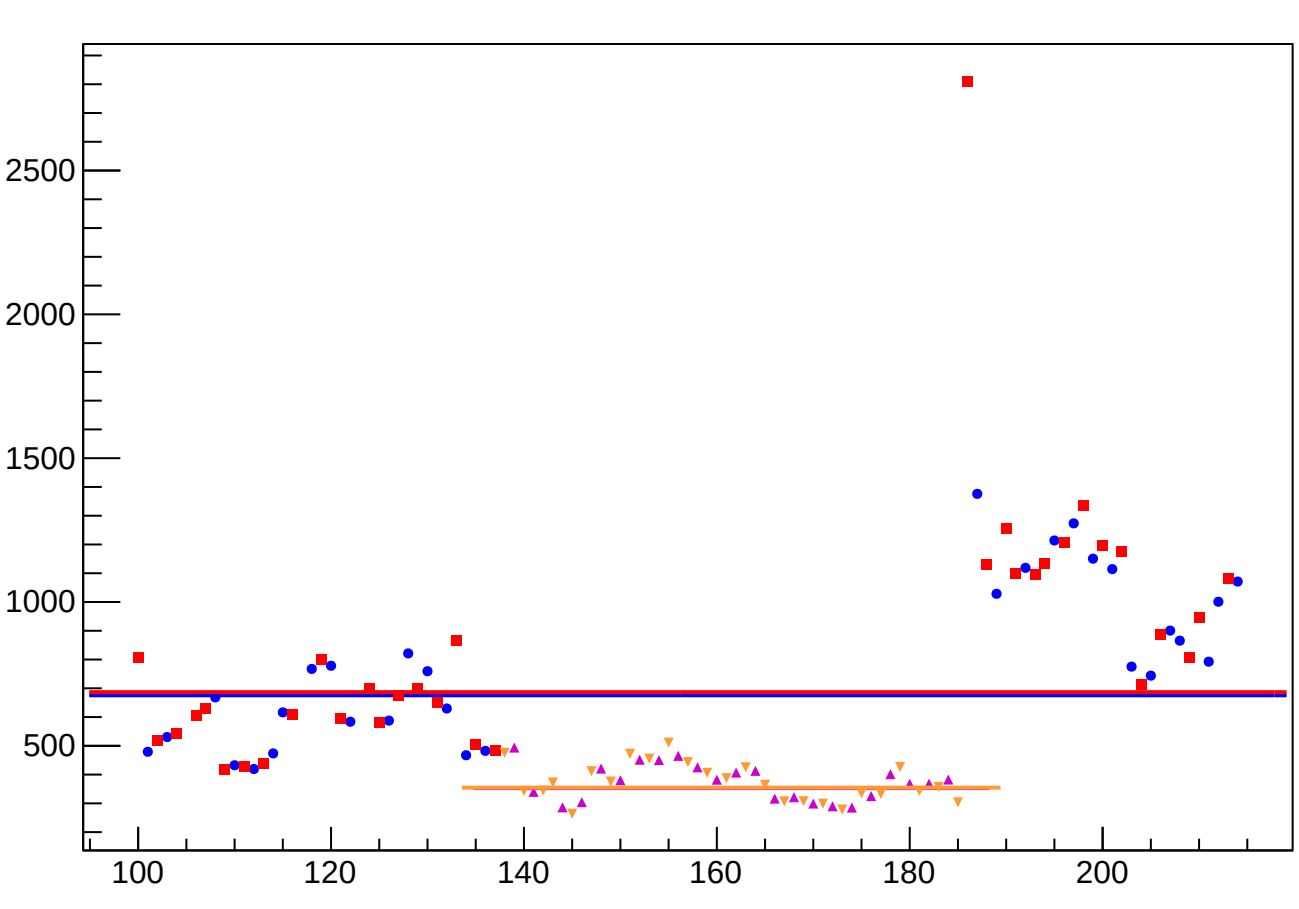
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 60.835+/-119.281 χ^2/NDF: 97.9/63

In: -46.451+/-75.053 χ^2/NDF:74.4/52

Out: -207.078+/-73.855 χ^2/NDF:129.0/58

All: -128.058+/-52.642 χ^2/NDF: 205.8/111



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

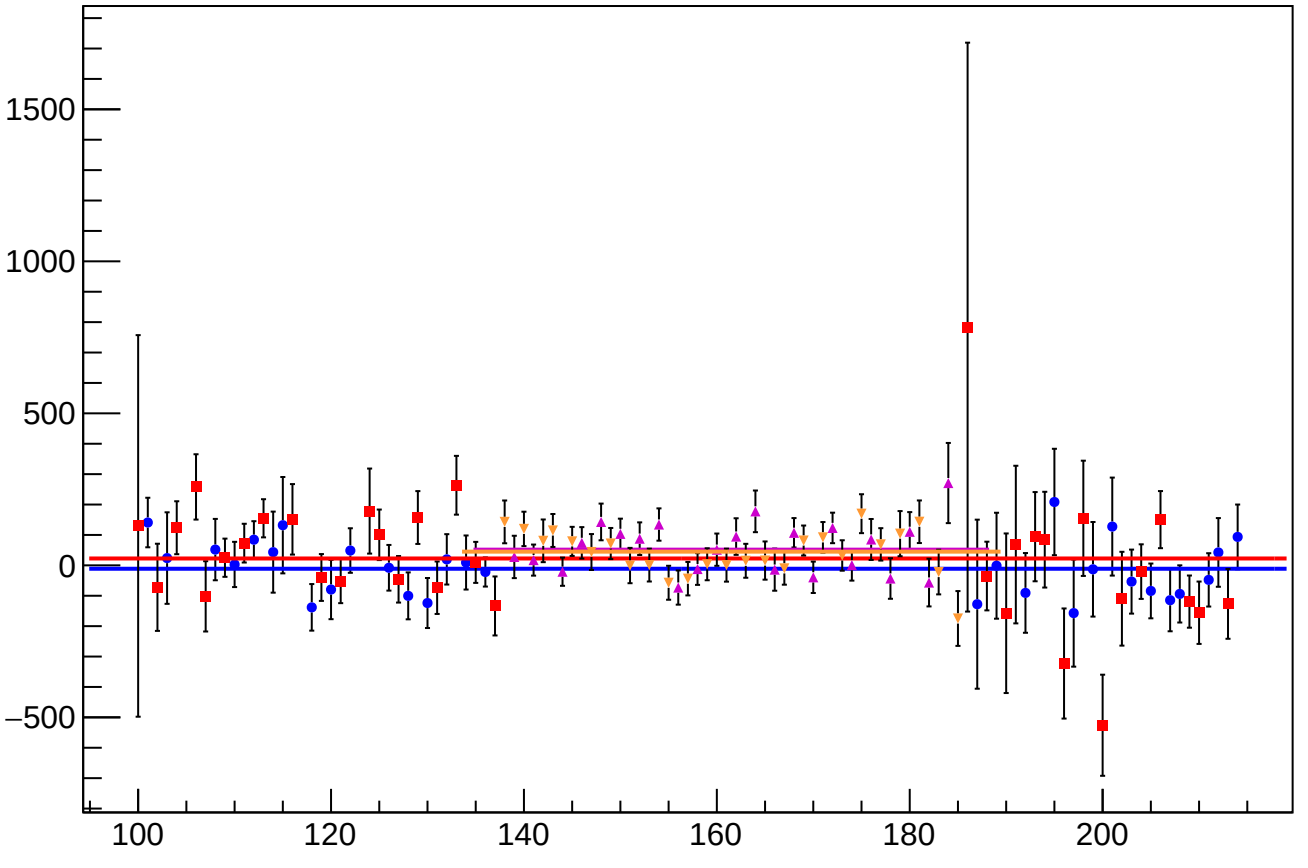
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 681.111+/-0.084 χ^2/NDF: 8894626.8/63

In: 417.510+/-0.053 χ^2/NDF:10881510.2/52

Out: 417.757+/-0.052 χ^2/NDF:12281391.7/58

All: 417.635+/-0.037 χ^2/NDF: 23162912.8/11



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

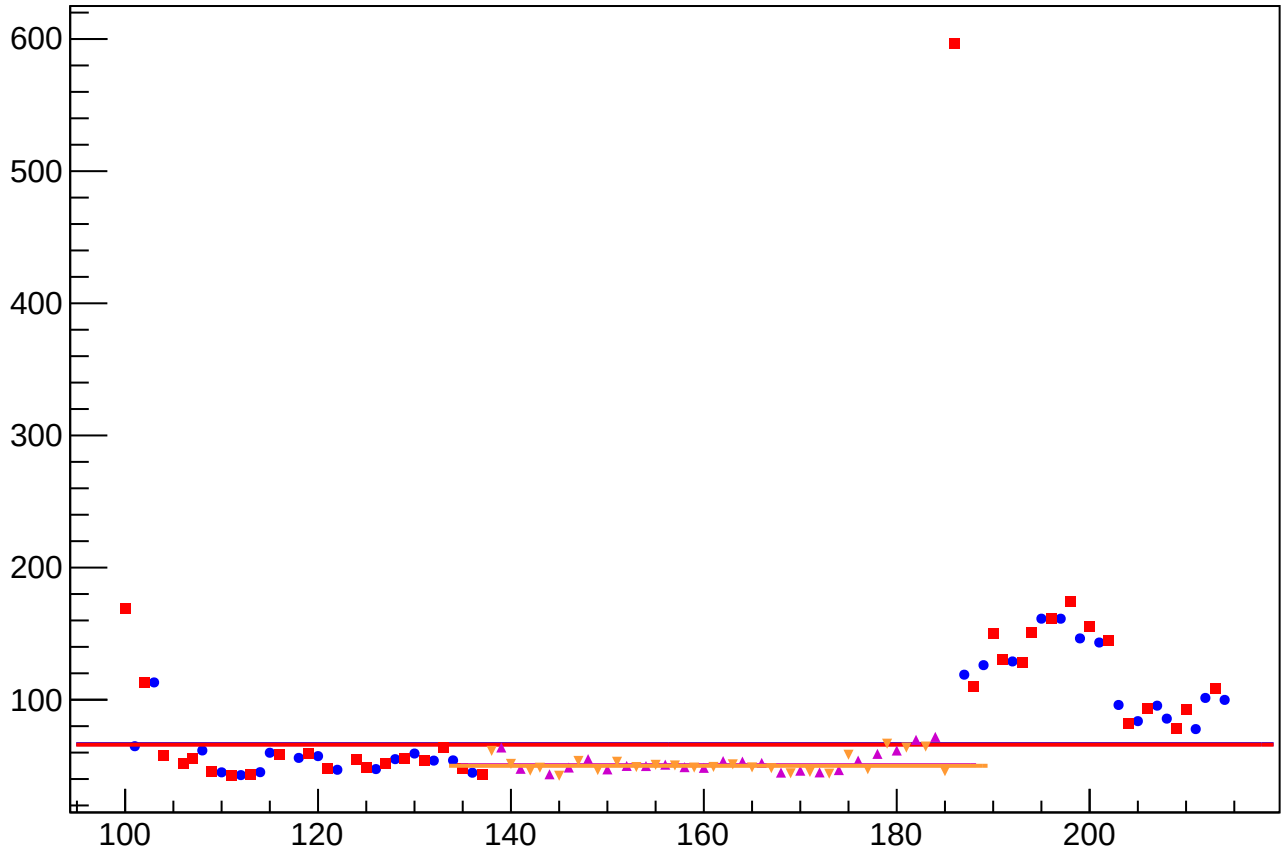
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 5.708+/-12.002 χ^2/NDF: 82.6/63

In: 30.861+/-9.761 χ^2/NDF:67.3/52

Out: 38.014+/-9.516 χ^2/NDF:90.8/58

All: 34.528+/-6.814 χ^2/NDF: 158.4/111



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

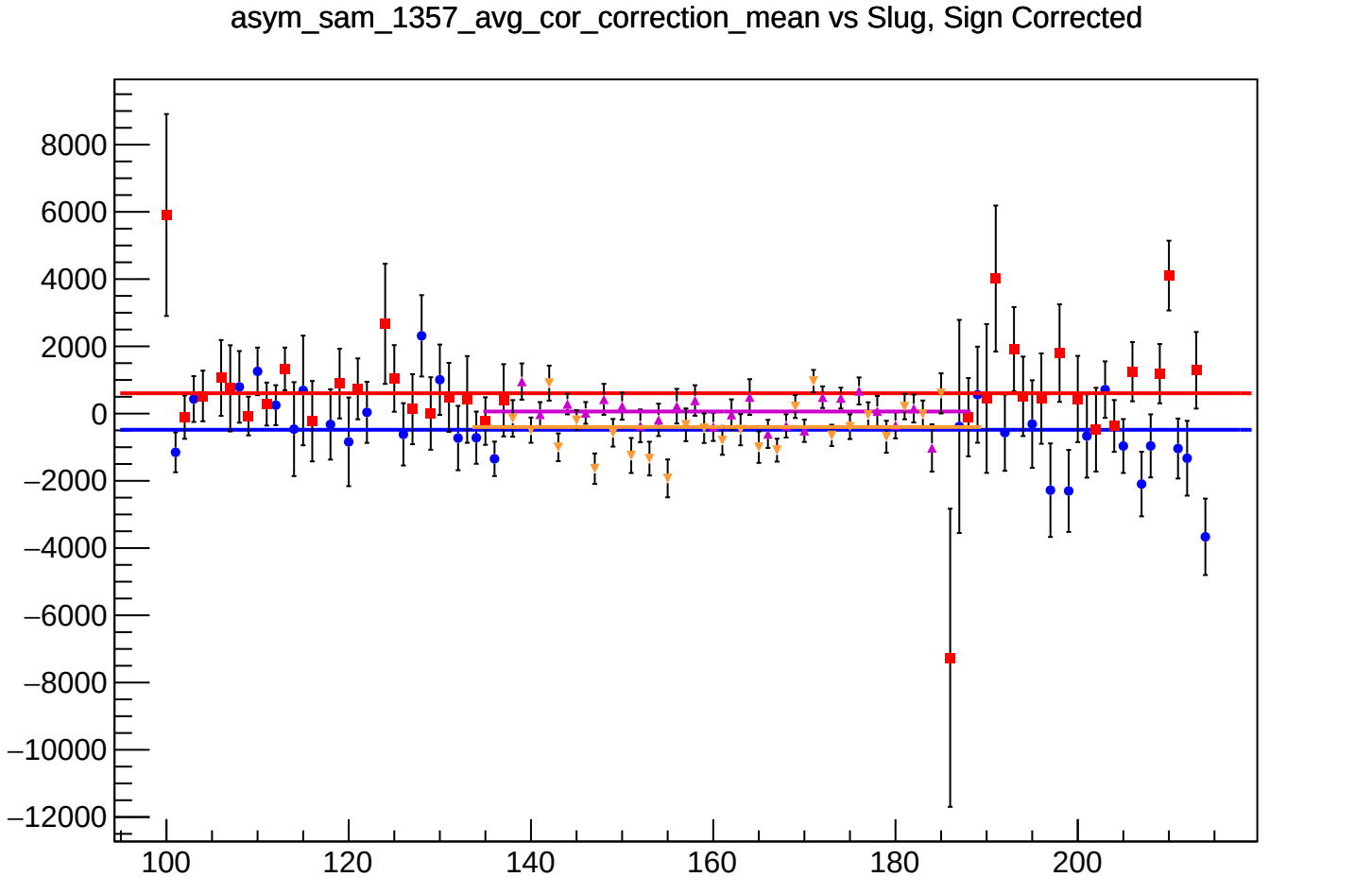
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 66.201+/-0.008 χ^2/NDF: 12335162.4/63

In: 55.760+/-0.007 χ^2/NDF:7074737.6/52

Out: 55.051+/-0.007 χ^2/NDF:8661104.8/58

All: 55.396+/-0.005 χ^2/NDF: 15741248.9/111



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

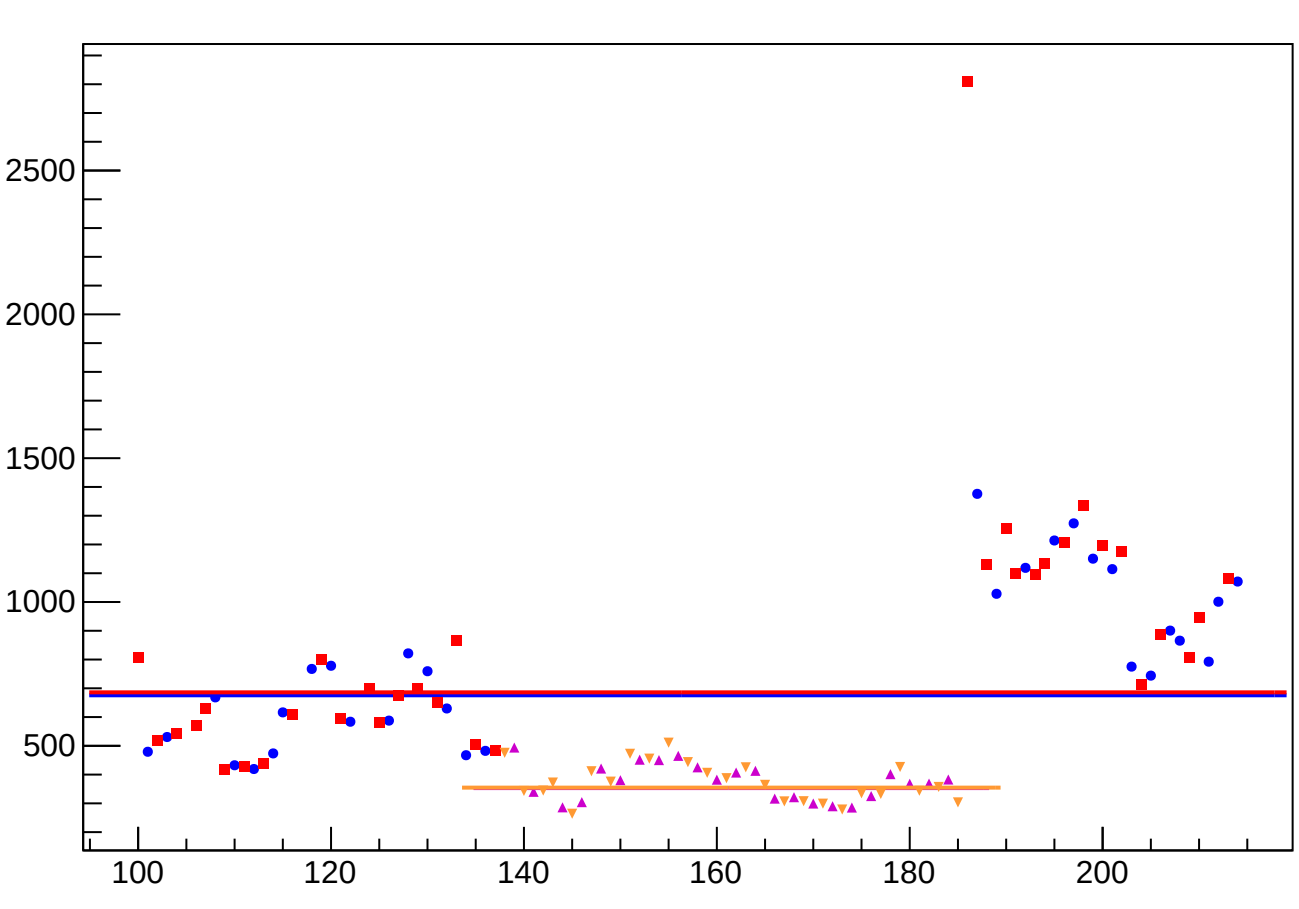
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 56.708+/-119.320 χ^2/NDF: 97.2/63

In: -46.448+/-75.053 χ^2/NDF:74.4/52

Out: -208.726+/-73.864 χ^2/NDF:128.2/58

All: -128.883+/-52.645 χ^2/NDF: 205.0/111



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

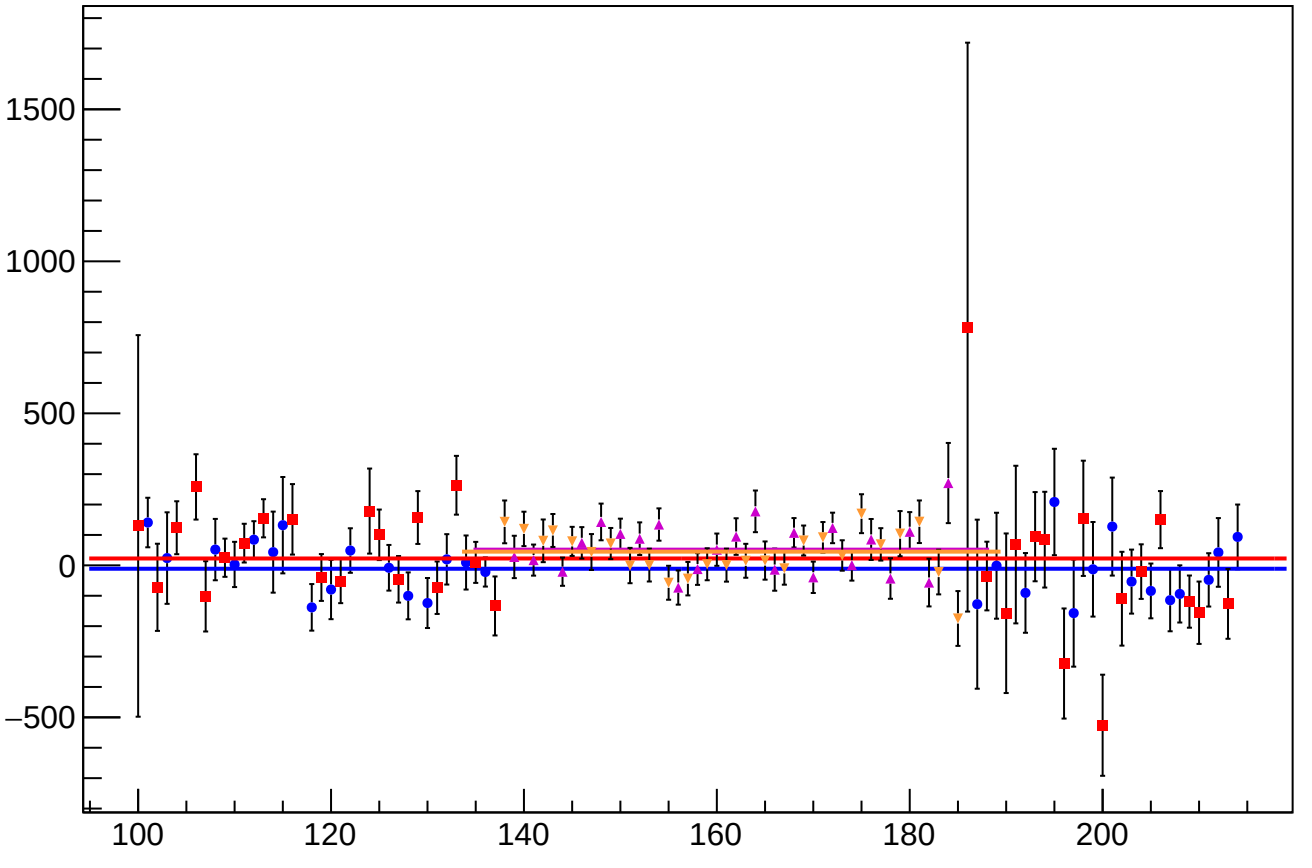
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 680.787+/-0.084 χ^2/NDF: 8903405.1/63

In: 417.511+/-0.053 χ^2/NDF:10881555.9/52

Out: 417.566+/-0.052 χ^2/NDF:12259812.3/58

All: 417.539+/-0.037 χ^2/NDF: 23141368.8/1



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

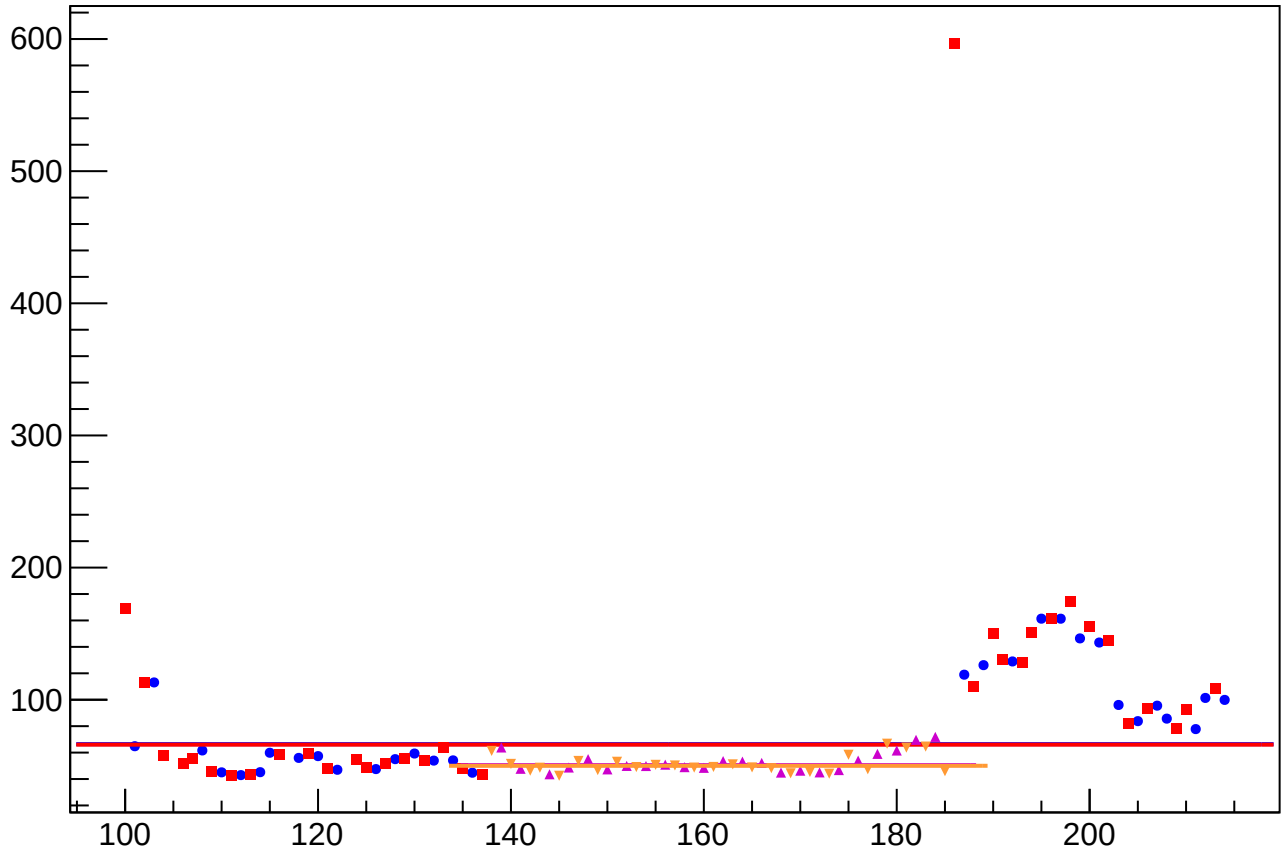
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 5.708+/-12.002 χ^2/NDF: 82.6/63

In: 30.861+/-9.761 χ^2/NDF:67.3/52

Out: 38.014+/-9.516 χ^2/NDF:90.8/58

All: 34.528+/-6.814 χ^2/NDF: 158.4/111



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

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

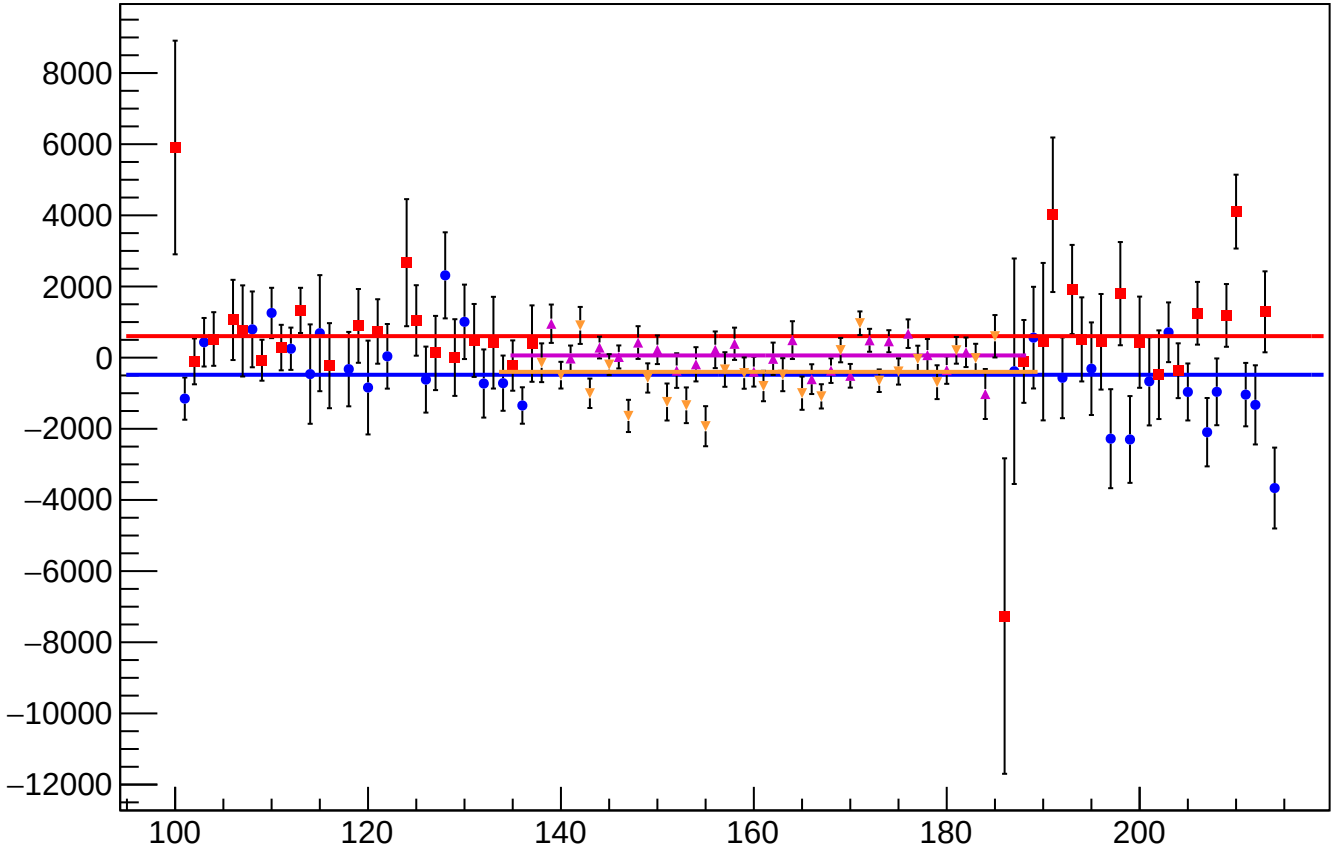
Right: 66.201+/-0.008 χ^2/NDF: 12335162.4/63

In: 55.760+/-0.007 χ^2/NDF:7074737.6/52

Out: 55.051+/-0.007 χ^2/NDF:8661104.8/58

All: 55.396+/-0.005 χ^2/NDF: 15741248.9/111

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

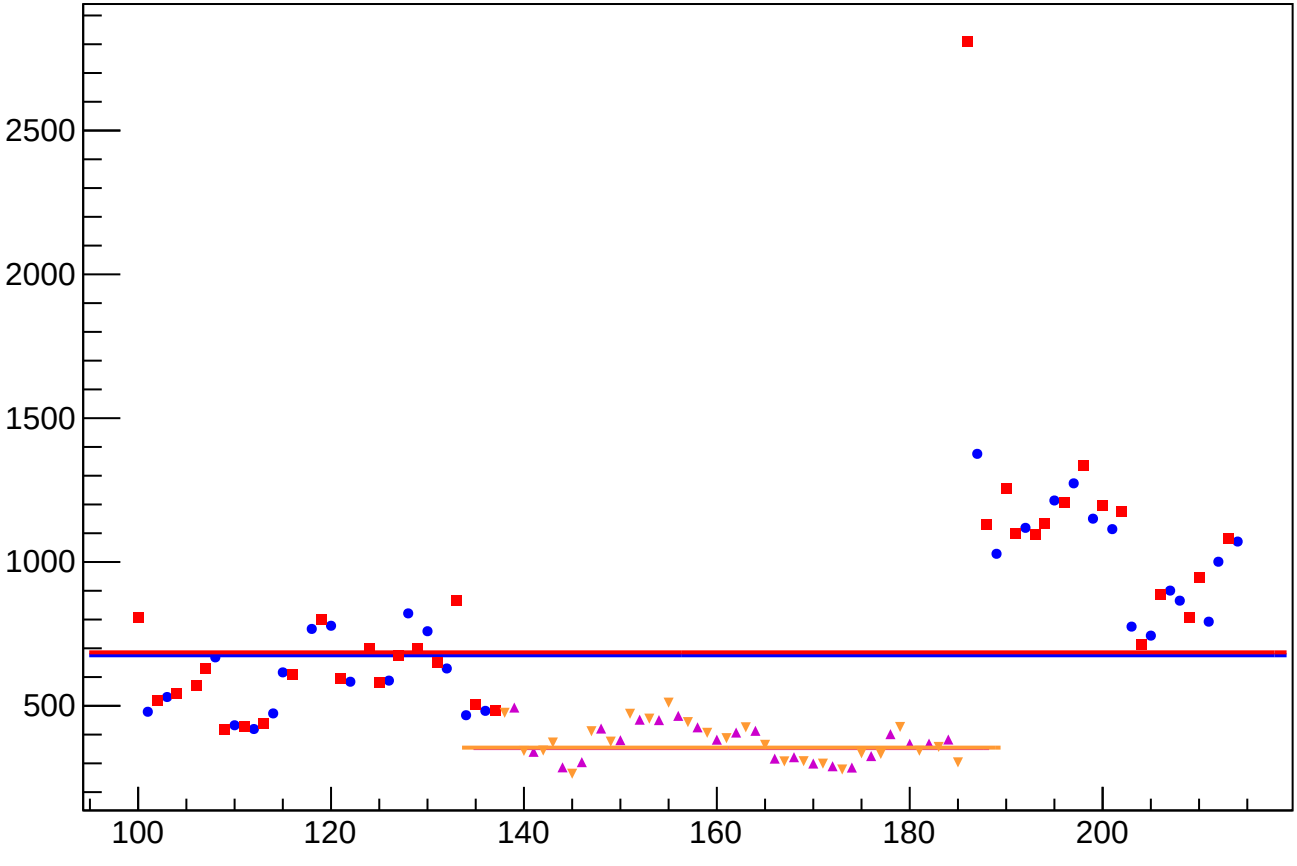
Right: 56.708+/-119.320 χ^2/NDF: 97.2/63

In: -46.448+/-75.053 χ^2/NDF:74.4/52

Out: -208.726+/-73.864 χ^2/NDF:128.2/58

All: -128.883+/-52.645 χ^2/NDF: 205.0/111

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

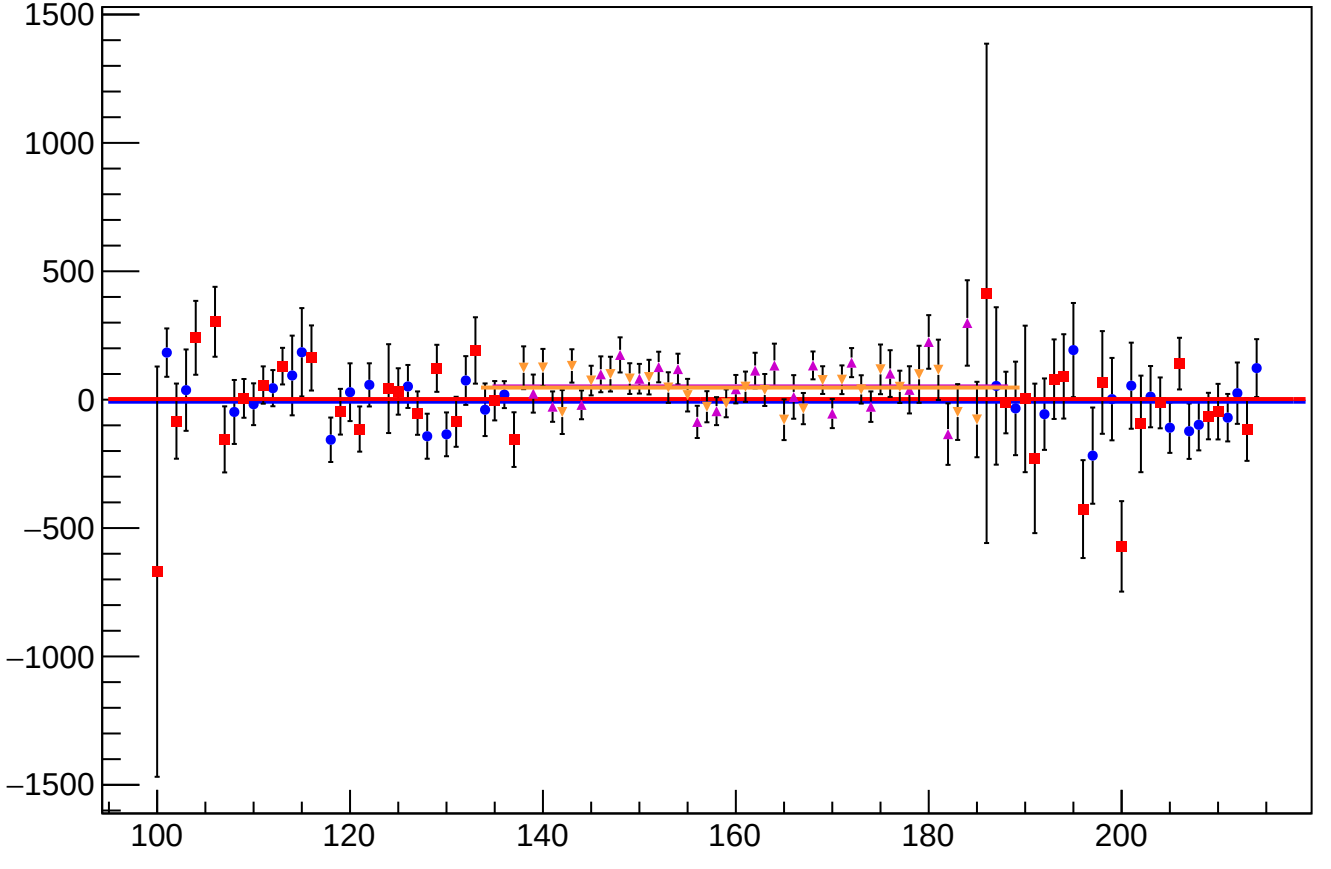
Right: 680.787+/-0.084 χ^2/NDF: 8903405.1/63

In: 417.511+/-0.053 χ^2/NDF:10881555.9/52

Out: 417.566+/-0.052 χ^2/NDF:12259812.3/58

All: 417.539+/-0.037 χ^2/NDF: 23141368.8/1

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

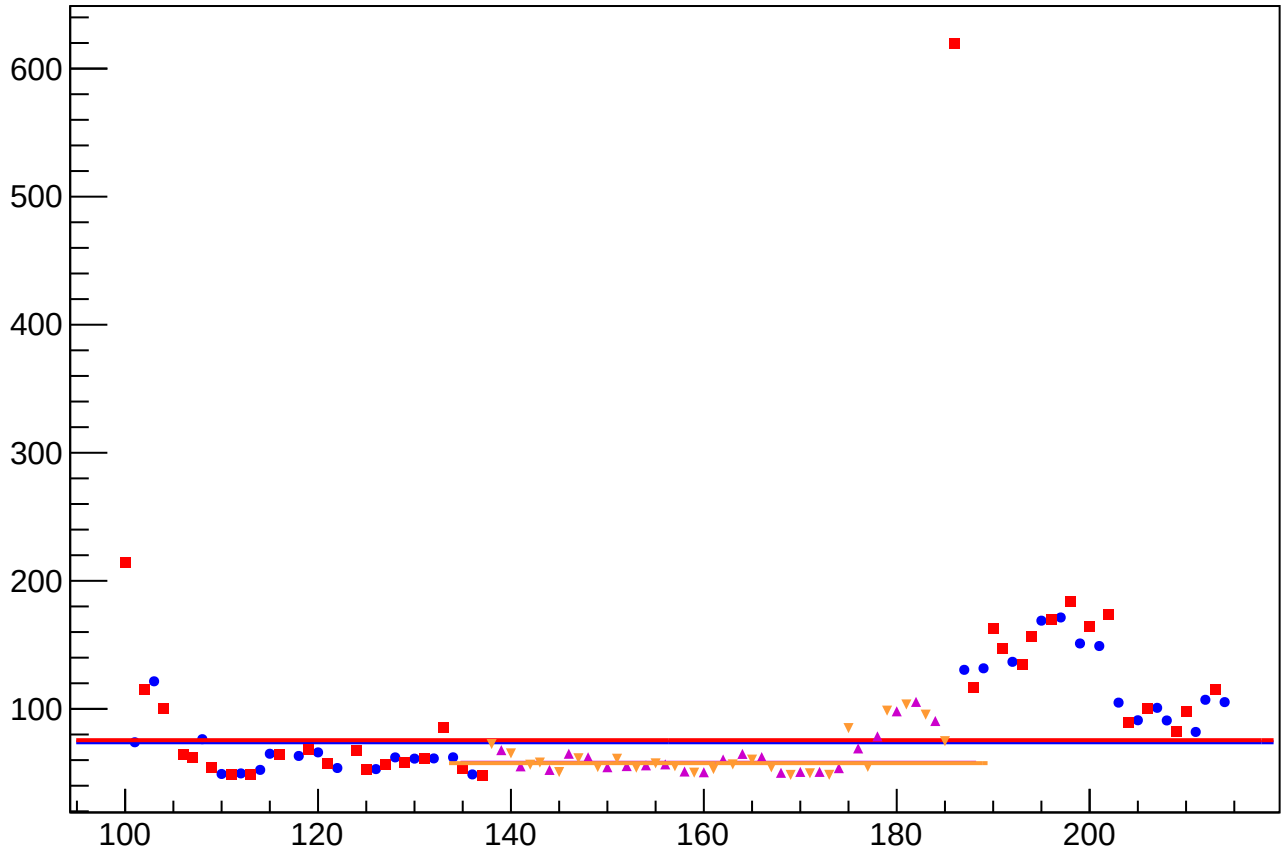
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -2.875+/-13.458 χ^2/NDF: 70.3/63

In: 30.523+/-11.193 χ^2/NDF:68.8/52

Out: 32.421+/-11.064 χ^2/NDF:66.7/58

All: 31.483+/-7.869 χ^2/NDF: 135.5/111



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

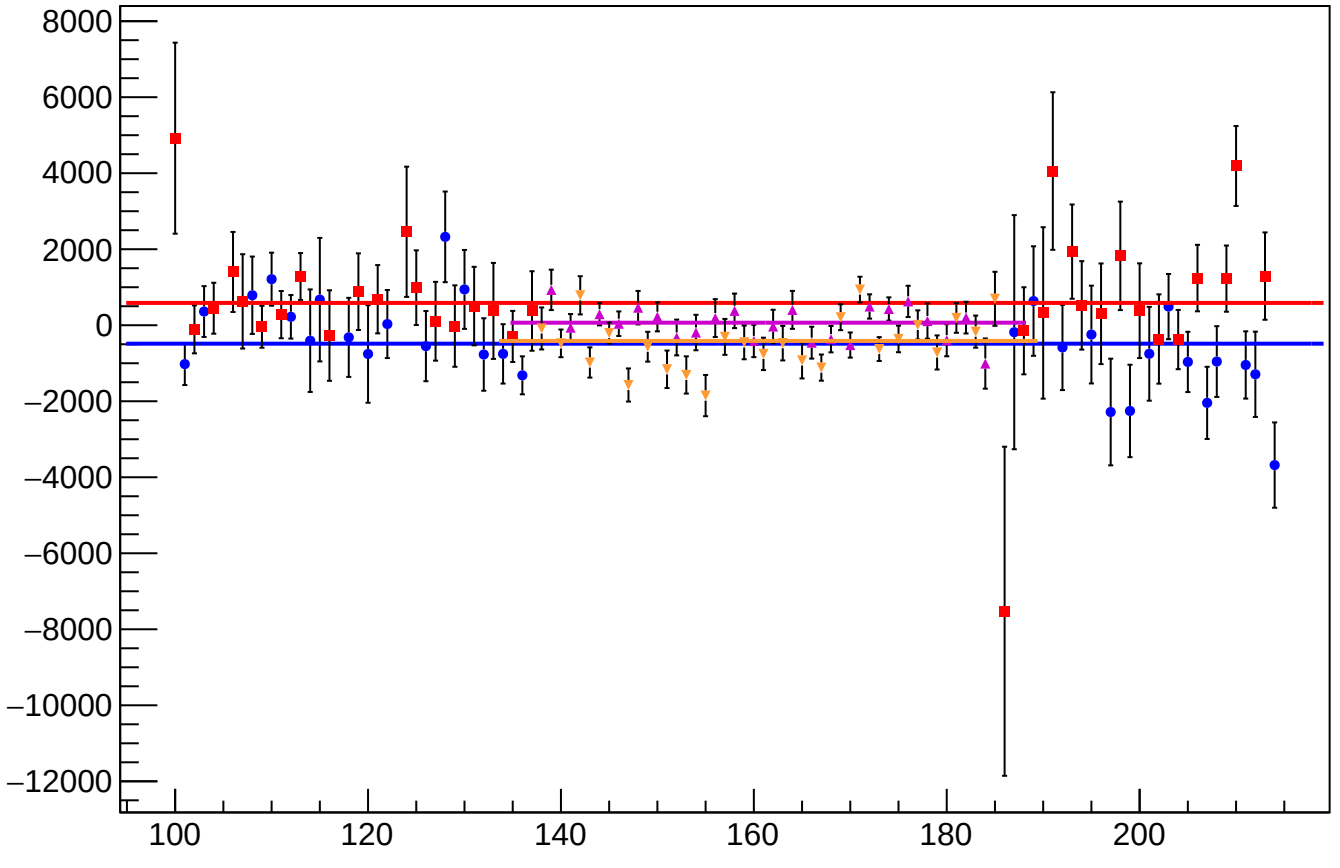
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 74.724+/-0.010 χ^2/NDF: 11184320.3/63

In: 63.609+/-0.008 χ^2/NDF:6909348.8/52

Out: 63.538+/-0.008 χ^2/NDF:8851714.7/58

All: 63.573+/-0.006 χ^2/NDF: 15761104.5/111



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

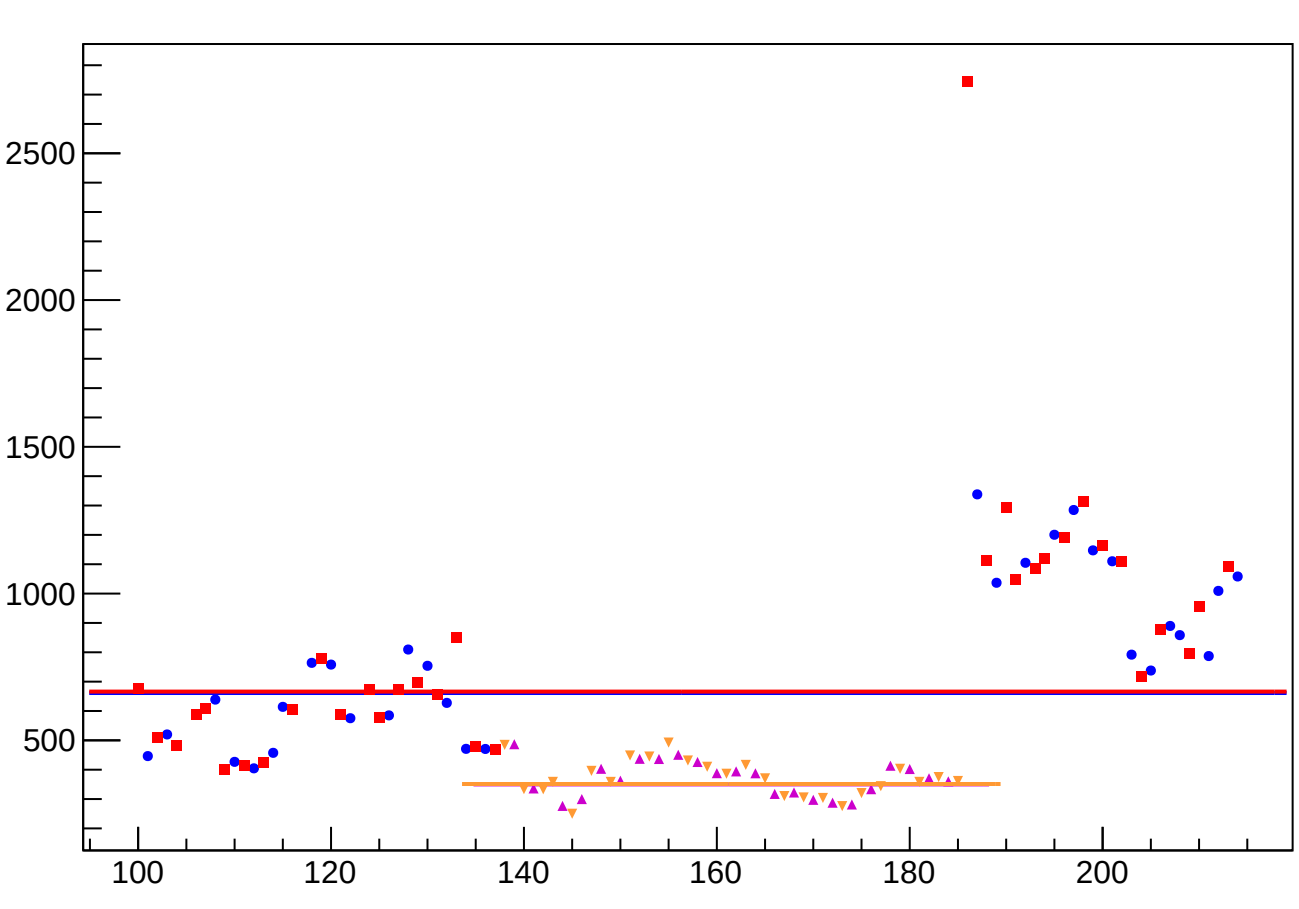
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 51.006+/-116.630 χ^2/NDF: 98.3/63

In: -45.060+/-74.202 χ^2/NDF:72.8/52

Out: -218.152+/-72.802 χ^2/NDF:127.1/58

All: -133.254+/-51.966 χ^2/NDF: 202.7/111



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

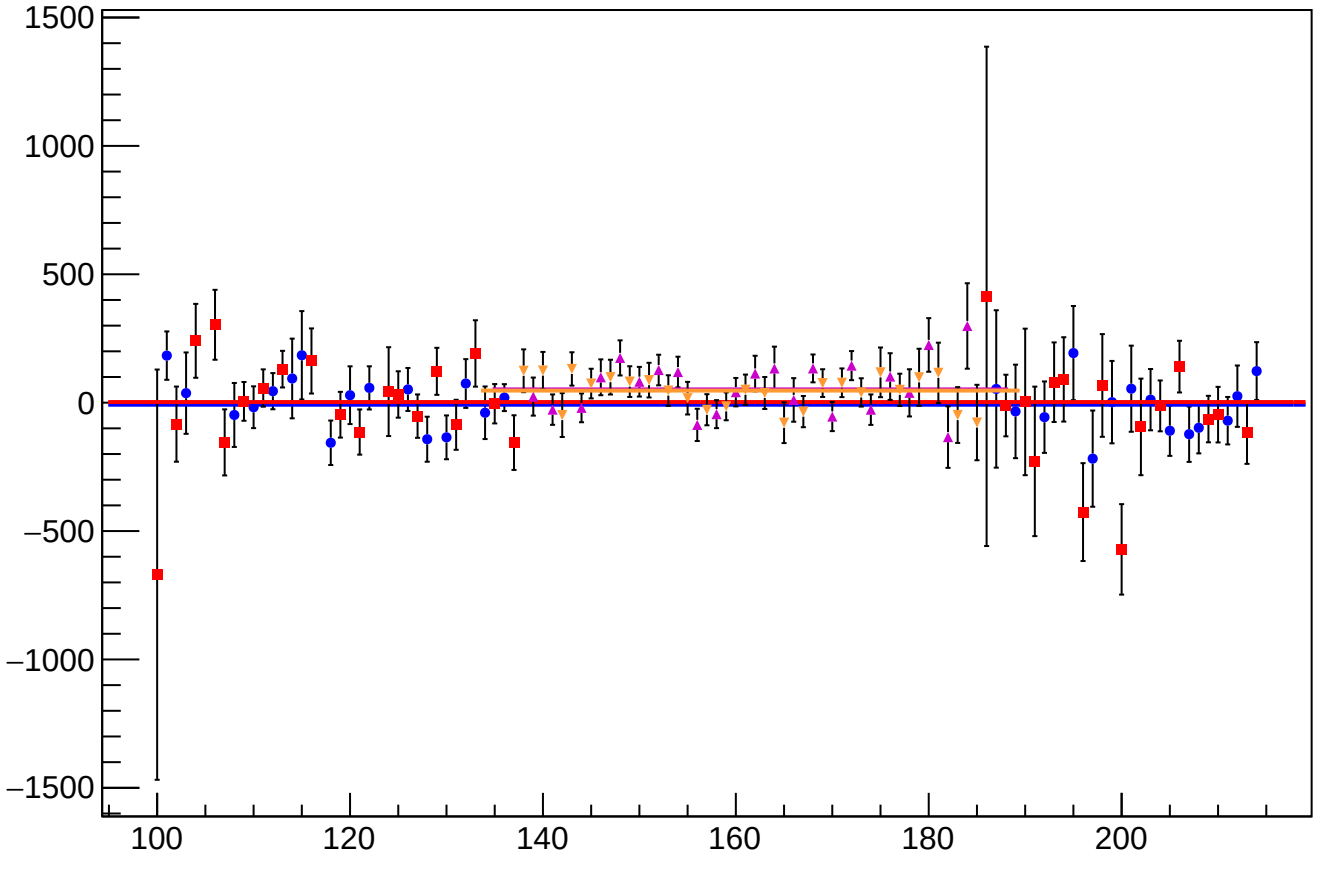
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 663.682+/-0.082 χ^2/NDF: 9394191.6/63

In: 412.833+/-0.052 χ^2/NDF:10896667.7/52

Out: 412.612+/-0.051 χ^2/NDF:12160501.6/58

All: 412.720+/-0.037 χ^2/NDF: 23057178.3/11



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

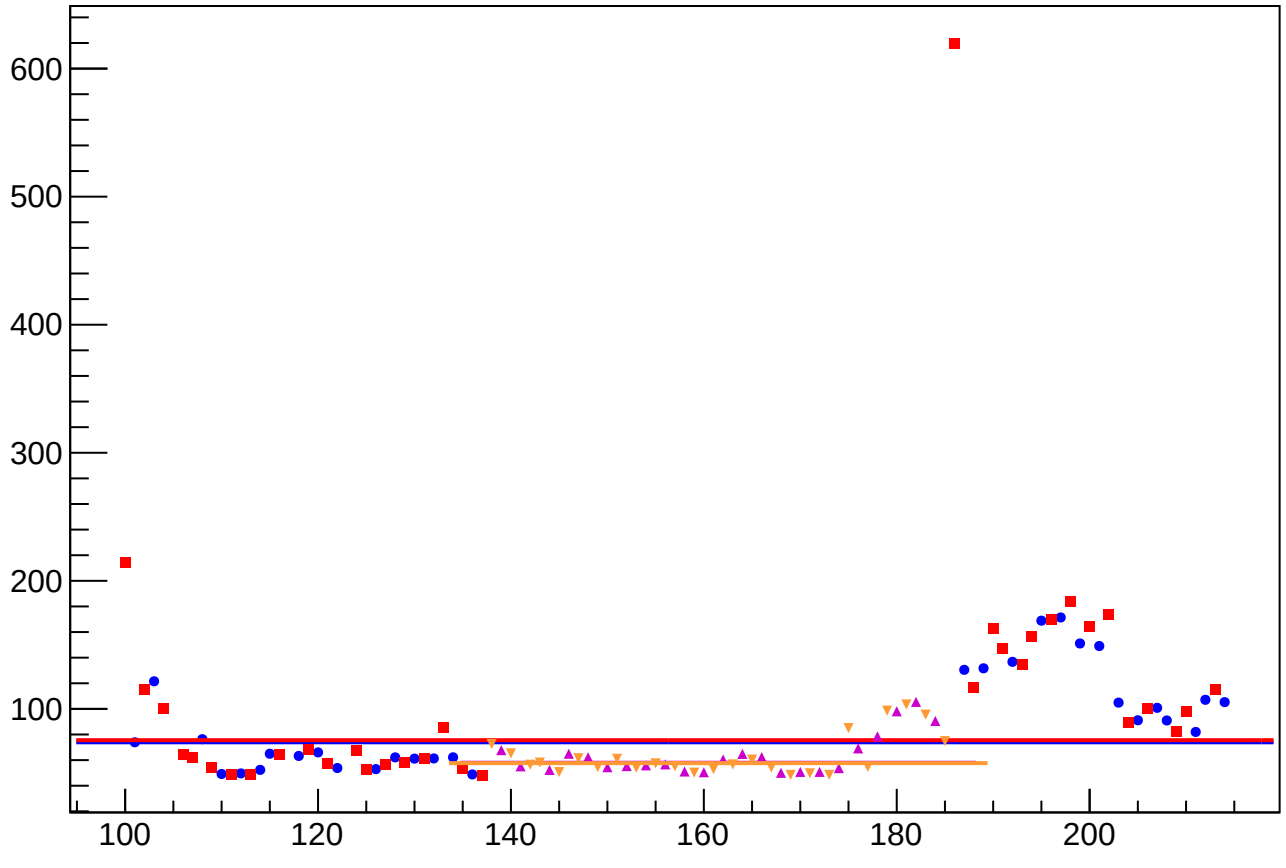
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -2.876+/-13.458 χ^2/NDF: 70.3/63

In: 30.523+/-11.193 χ^2/NDF:68.8/52

Out: 32.421+/-11.065 χ^2/NDF:66.7/58

All: 31.483+/-7.869 χ^2/NDF: 135.5/111



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

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

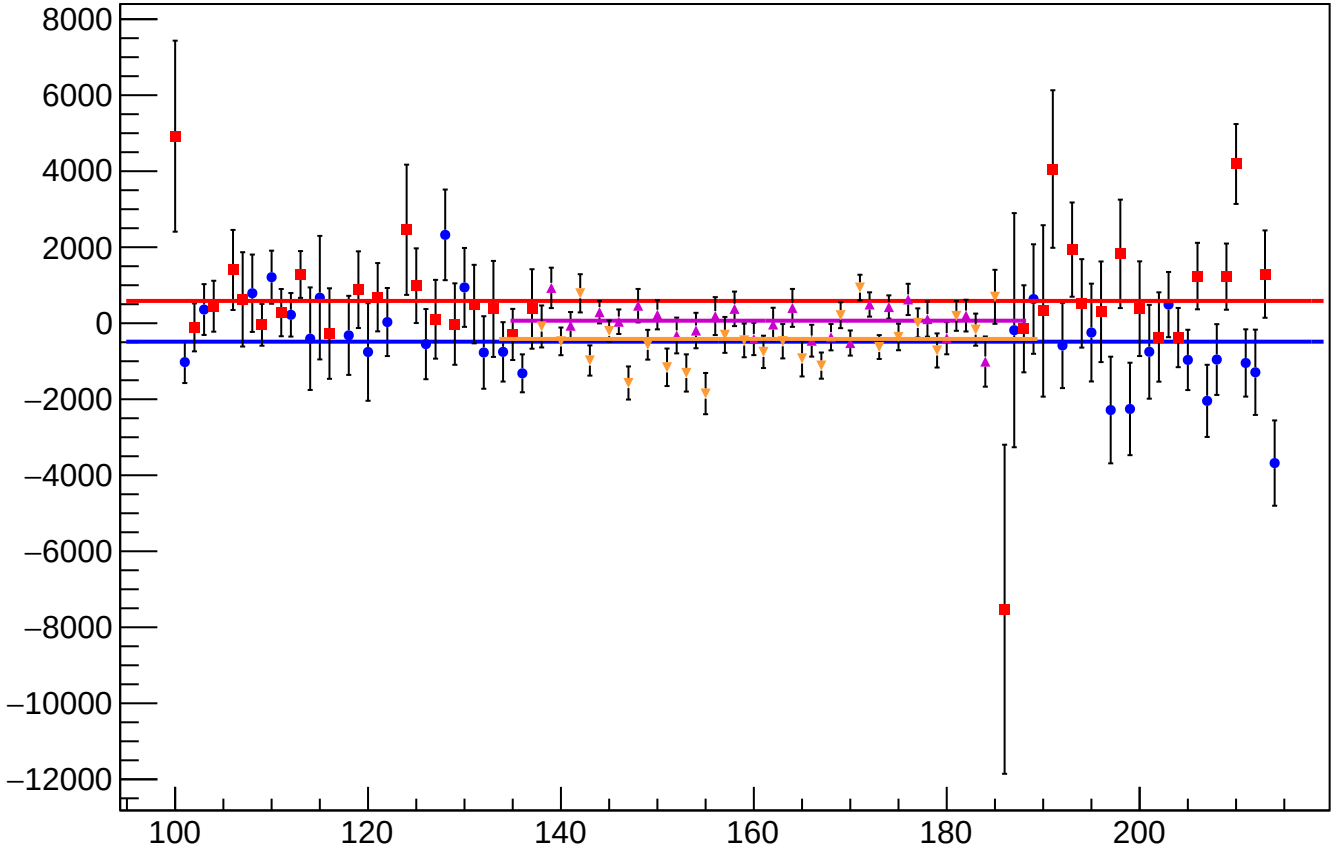
Right: 74.724+/-0.010 χ^2/NDF: 11184276.9/63

In: 63.610+/-0.008 χ^2/NDF:6909304.4/52

Out: 63.538+/-0.008 χ^2/NDF:8851691.4/58

All: 63.573+/-0.006 χ^2/NDF: 15761036.9/111

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

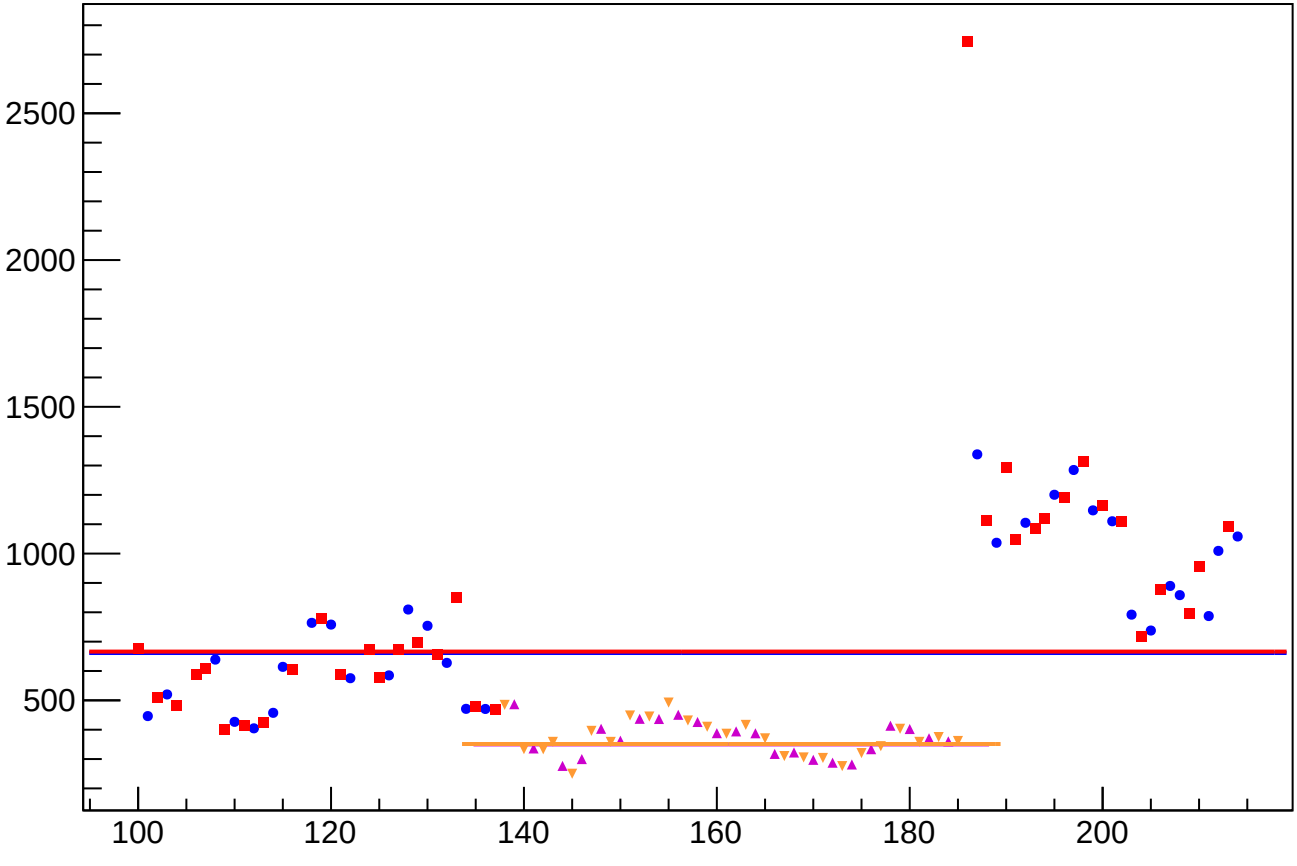
Right: 51.006+/-116.630 χ^2/NDF: 98.3/63

In: -45.060+/-74.202 χ^2/NDF:72.8/52

Out: -218.151+/-72.802 χ^2/NDF:127.1/58

All: -133.254+/-51.966 χ^2/NDF: 202.7/111

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

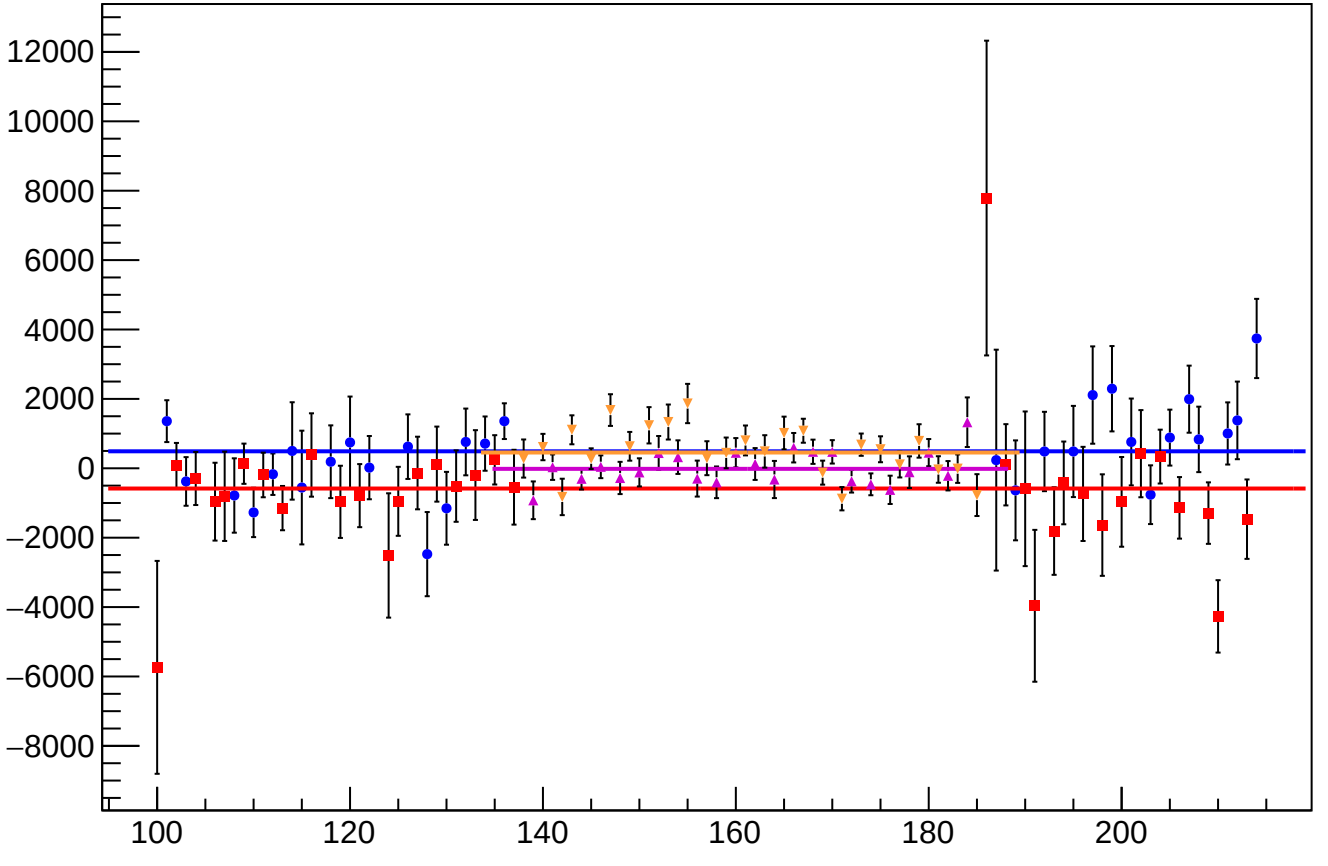
Right: 663.681+/-0.082 χ^2/NDF: 9394212.0/63

In: 412.833+/-0.052 χ^2/NDF:10896653.7/52

Out: 412.612+/-0.051 χ^2/NDF:12160490.7/58

All: 412.720+/-0.037 χ^2/NDF: 23057153.4/11

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

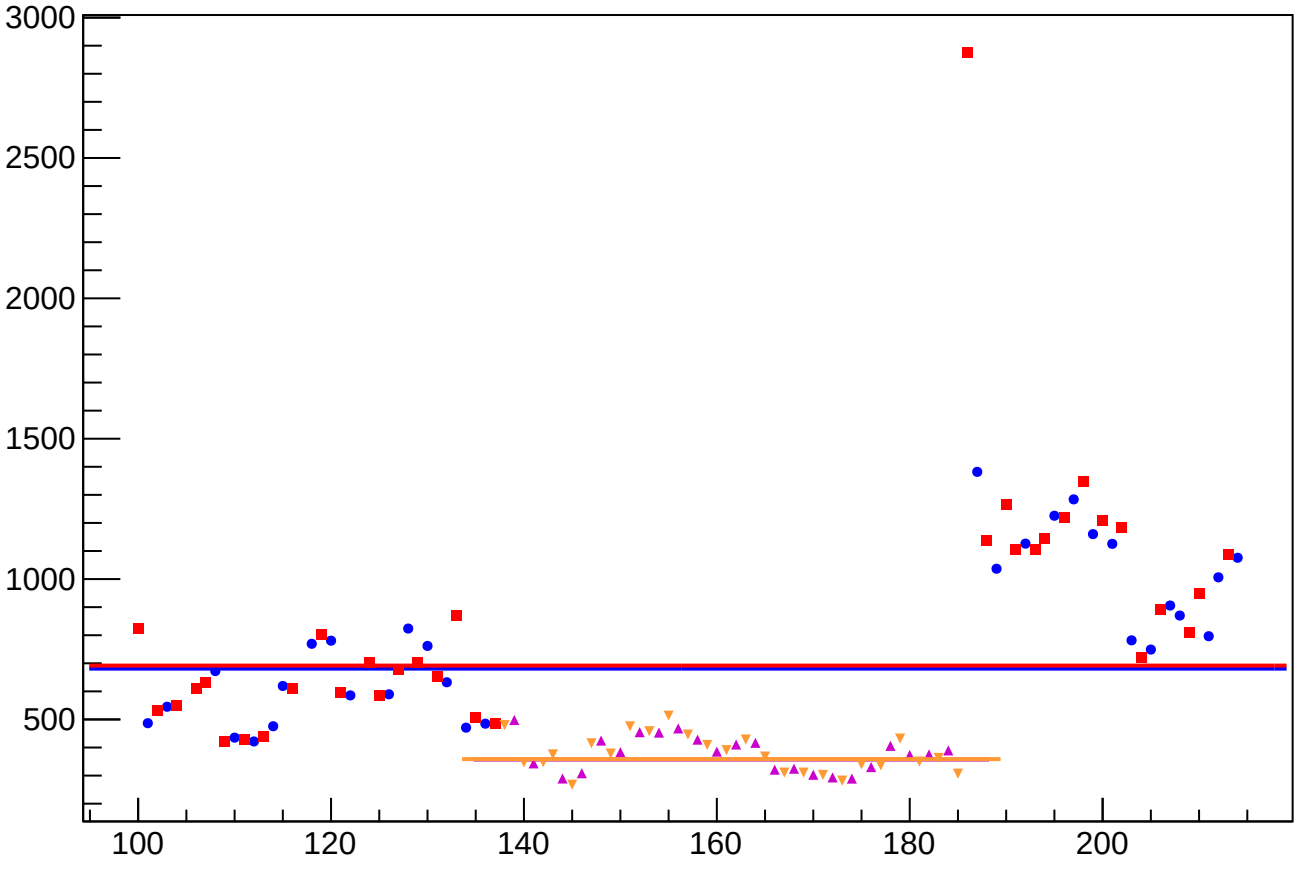
Right: -42.206+/-120.203 χ^2/NDF: 97.5/63

In: 85.445+/-75.840 χ^2/NDF:74.8/52

Out: 256.861+/-74.617 χ^2/NDF:125.6/58

All: 172.546+/-53.189 χ^2/NDF: 203.0/111

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

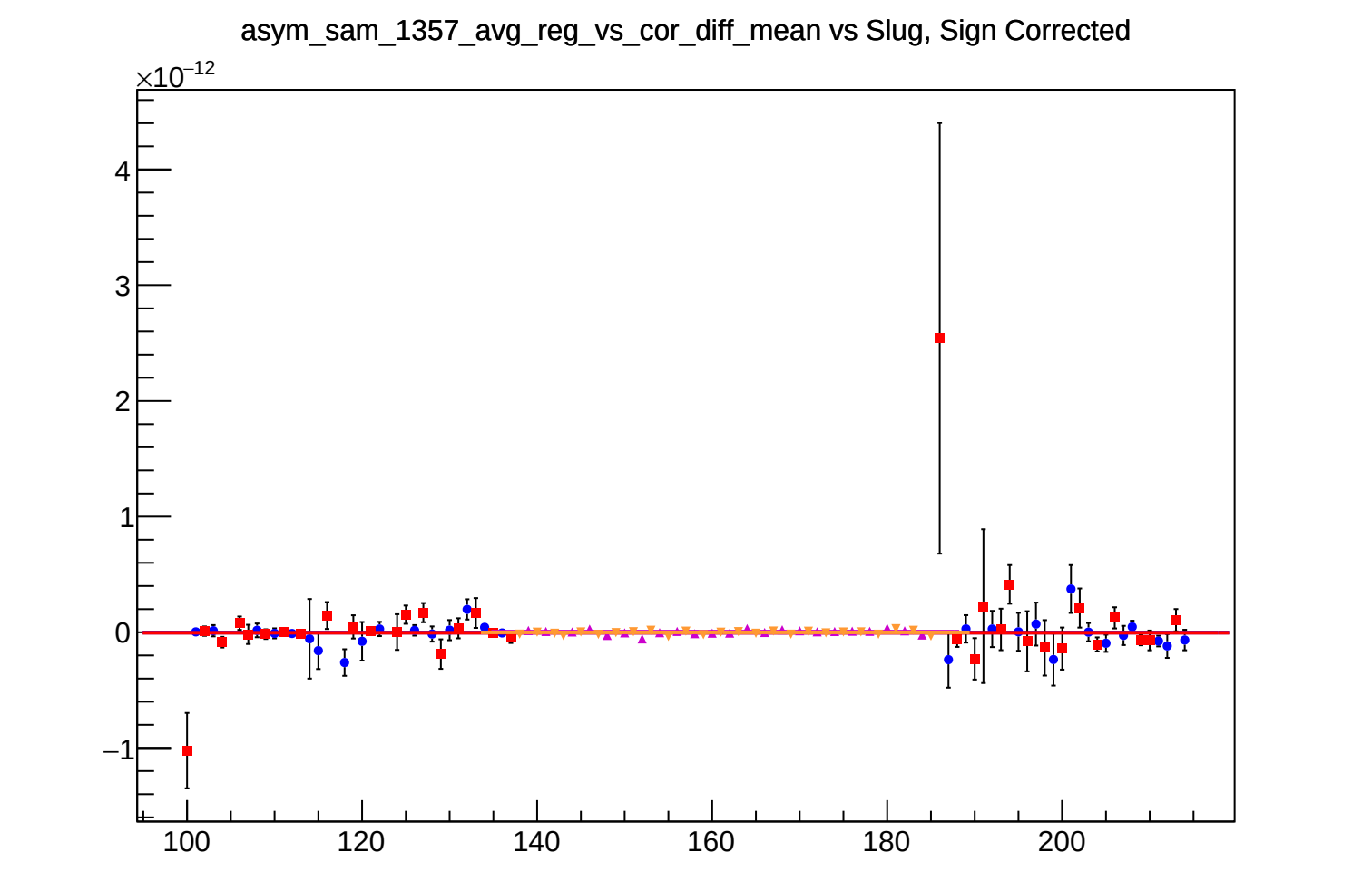
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

Right: 686.416+/-0.085 χ^2/NDF: 8867961.0/63

In: 422.202+/-0.054 χ^2/NDF:10788635.3/52

Out: 422.318+/-0.053 χ^2/NDF:12191056.0/58

All: 422.261+/-0.038 χ^2/NDF: 22979693.7/1



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

Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

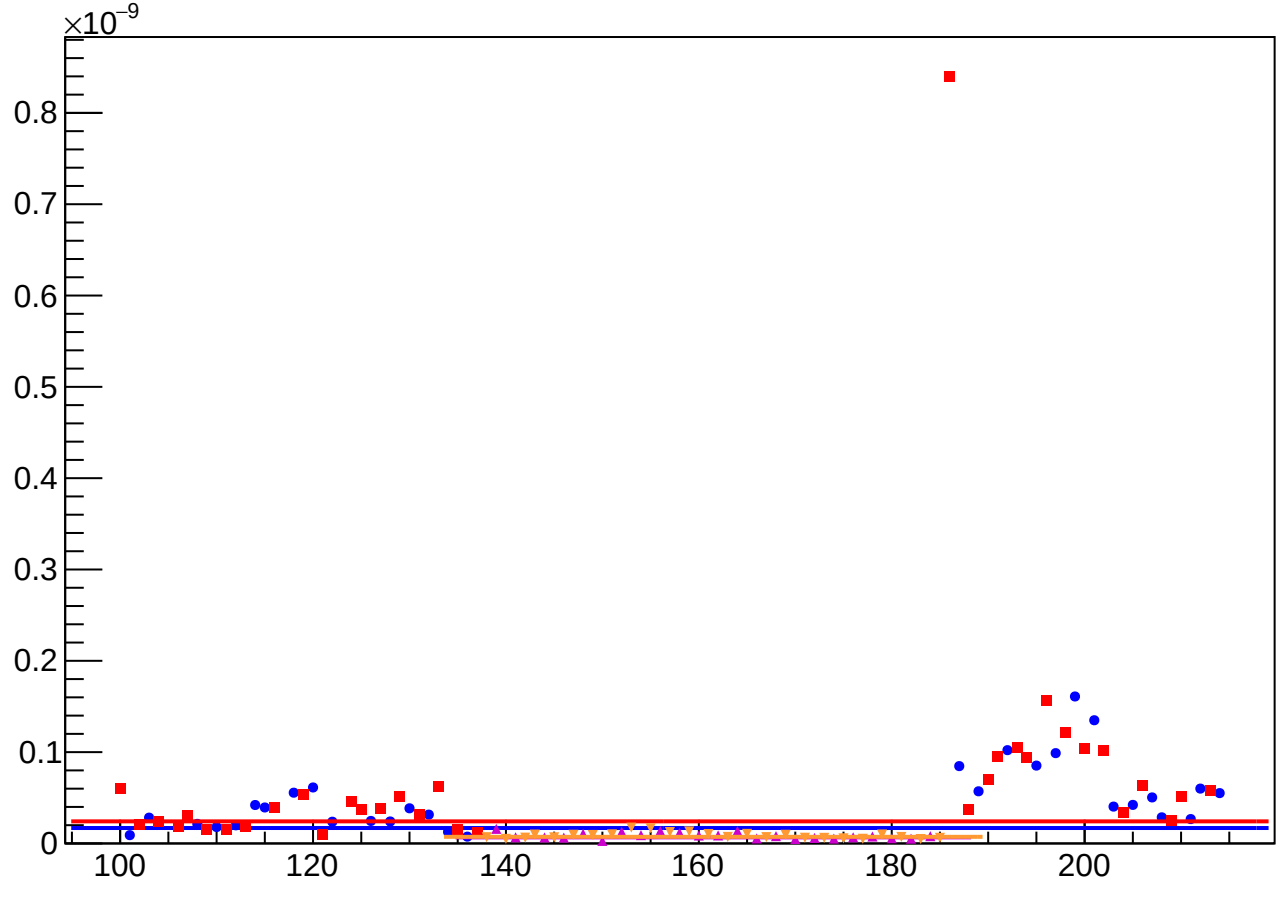
Right: -0.000+/-0.000 χ^2/NDF: 78.4/63

In: 0.000+/-0.000 χ^2/NDF:55.5/52

Out: -0.000+/-0.000 χ^2/NDF:70.4/58

All: 0.000+/-0.000 χ^2/NDF: 128.2/111

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

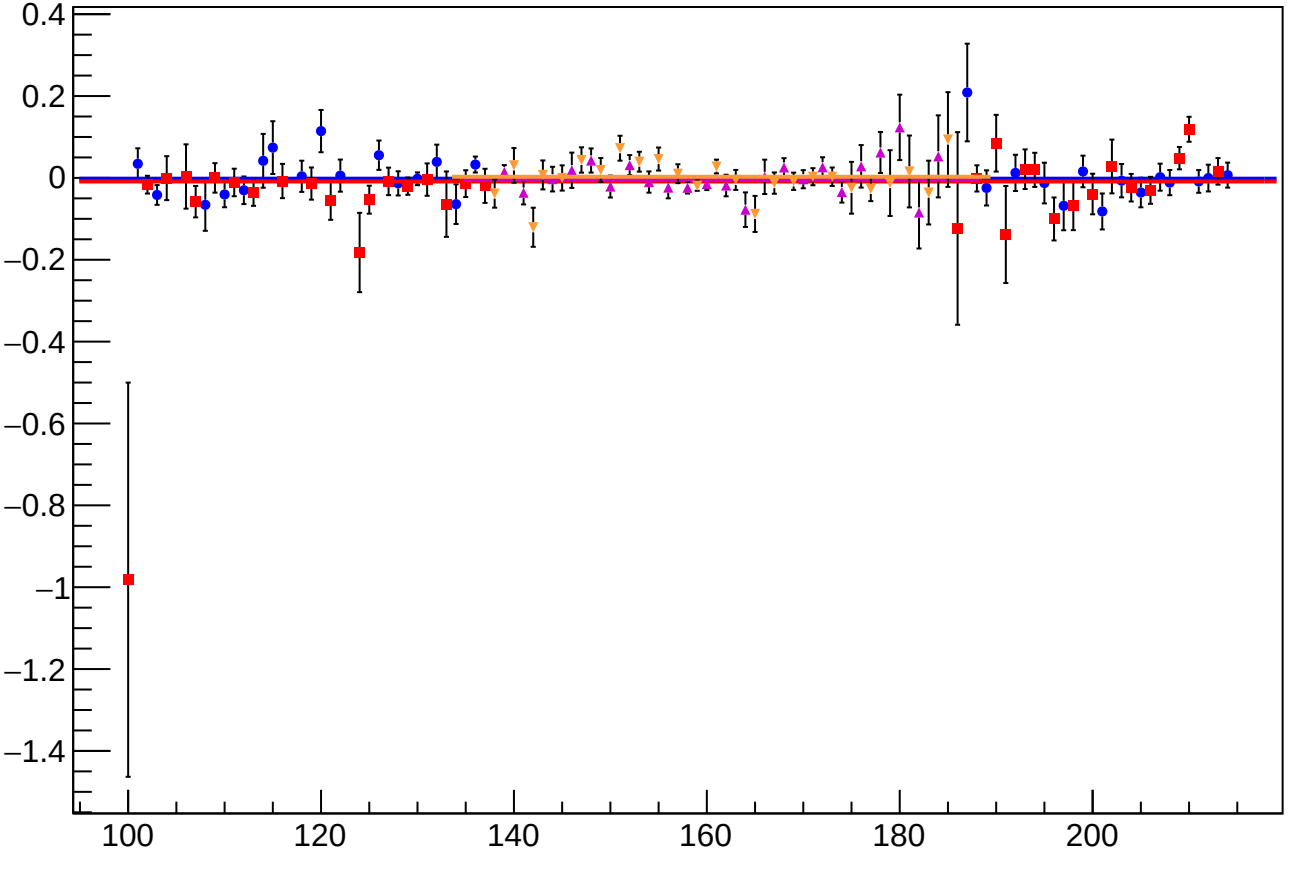
Right: 0.000+/-0.000 χ^2/NDF: 13143909.5/63

In: 0.000+/-0.000 χ^2/NDF:11360069.0/52

Out: 0.000+/-0.000 χ^2/NDF:11540080.4/58

All: 0.000+/-0.000 χ^2/NDF: 22957433.2/111

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

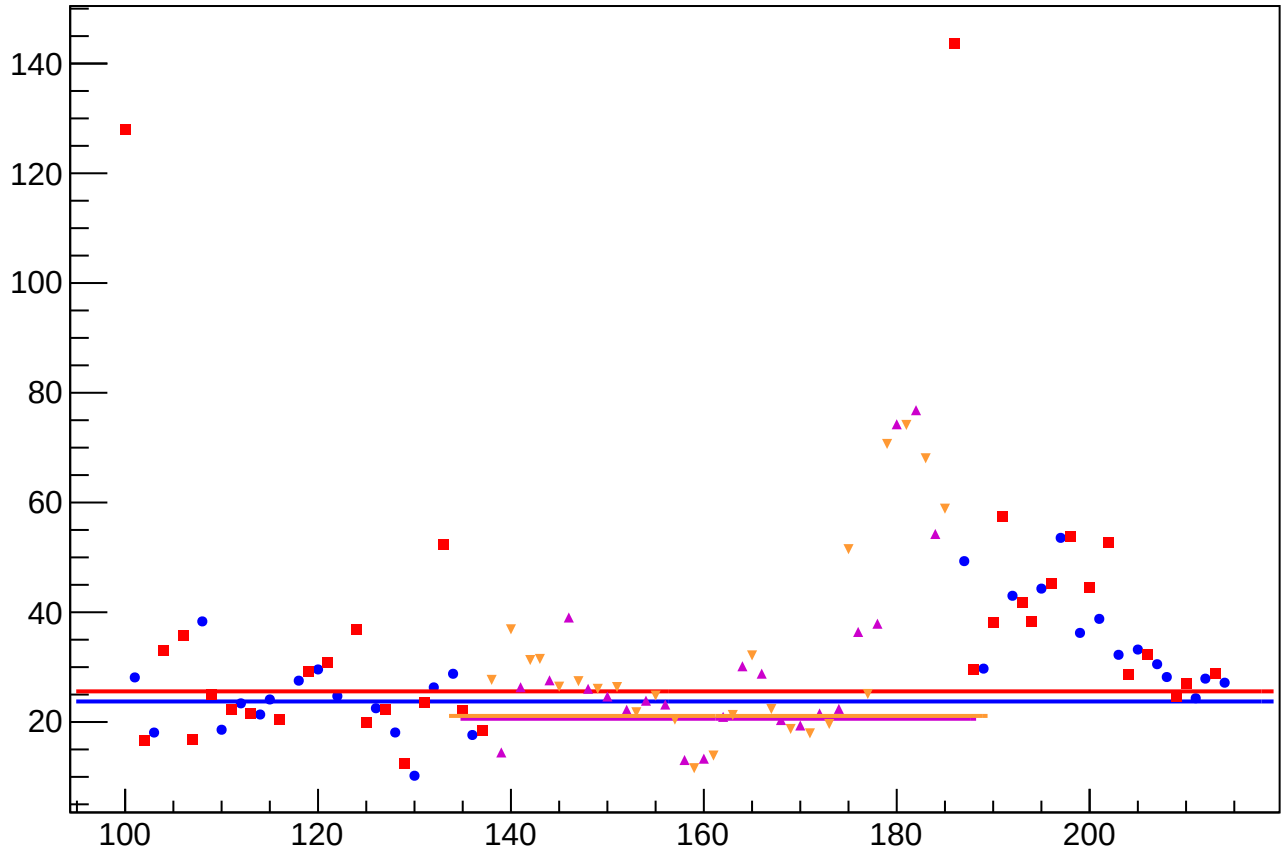
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.005+/-0.005 χ^2/NDF: 77.6/63

In: -0.003+/-0.004 χ^2/NDF:56.4/52

Out: -0.002+/-0.004 χ^2/NDF:79.9/58

All: -0.002+/-0.003 χ^2/NDF: 136.3/111



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

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

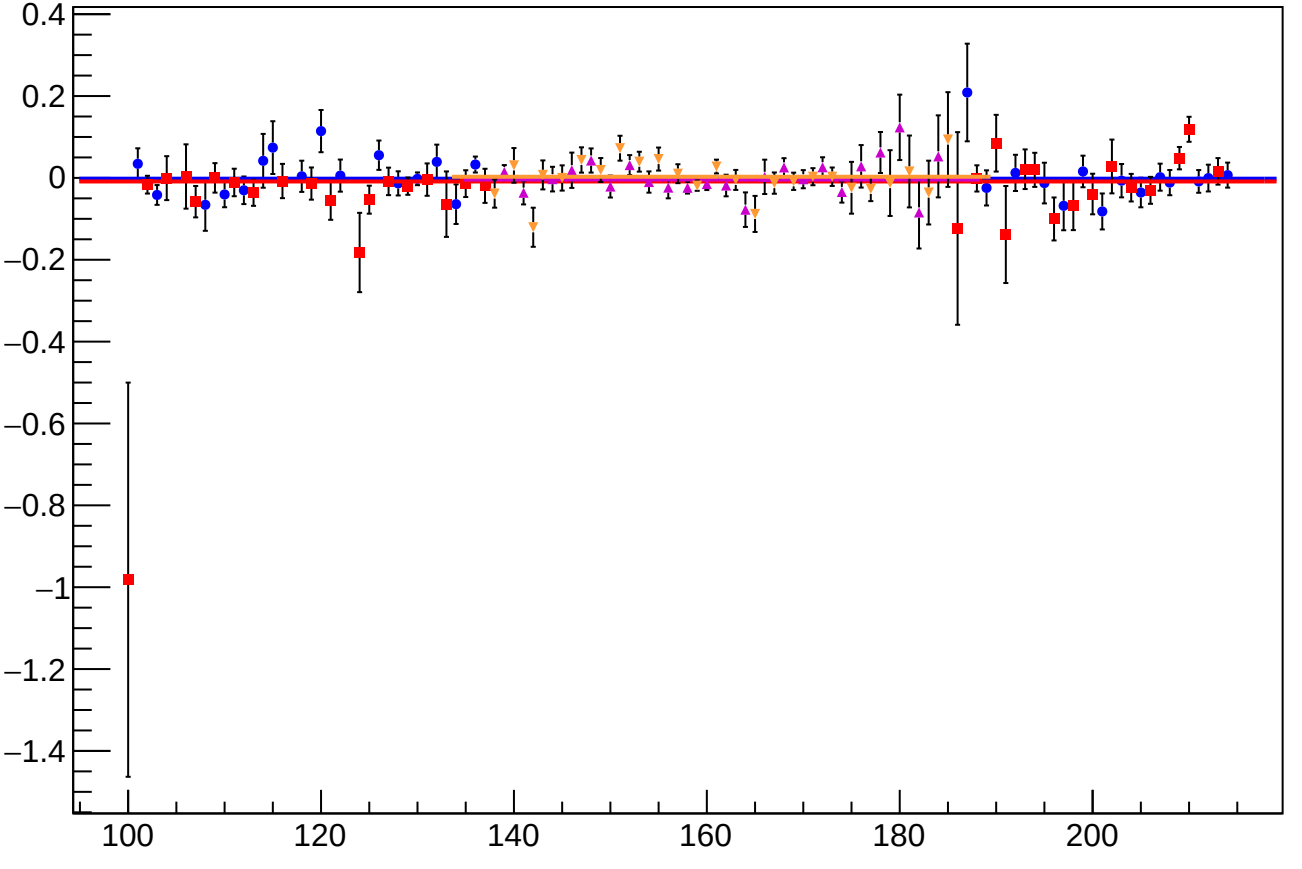
Right: 24.601+/-0.003 χ^2/NDF: 9012574.3/63

In: 21.963+/-0.003 χ^2/NDF:9253627.0/52

Out: 22.913+/-0.003 χ^2/NDF:10658835.7/58

All: 22.423+/-0.002 χ^2/NDF: 19964931.3/111

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

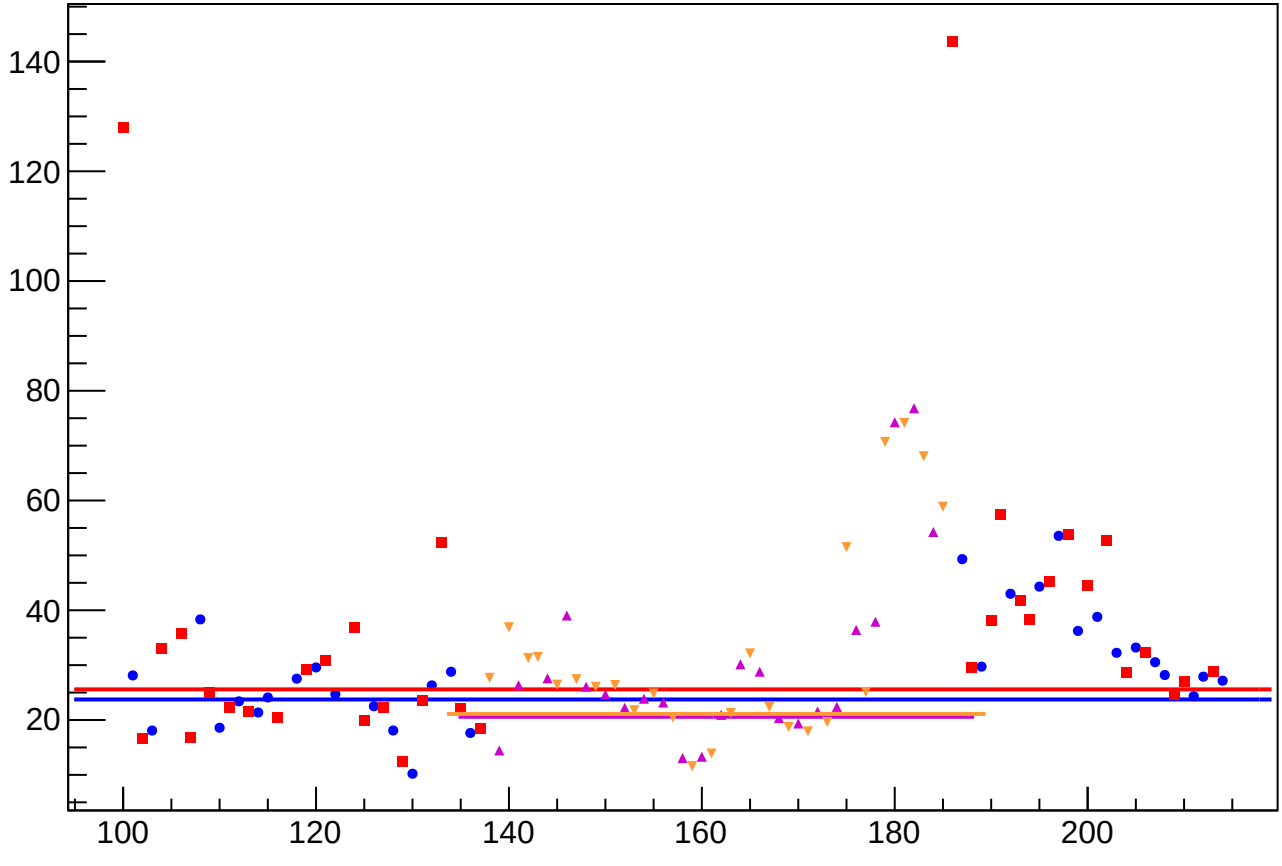
Right: -0.005+/-0.005 χ^2/NDF: 77.6/63

In: -0.003+/-0.004 χ^2/NDF:56.4/52

Out: -0.002+/-0.004 χ^2/NDF:79.9/58

All: -0.002+/-0.003 χ^2/NDF: 136.3/111

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

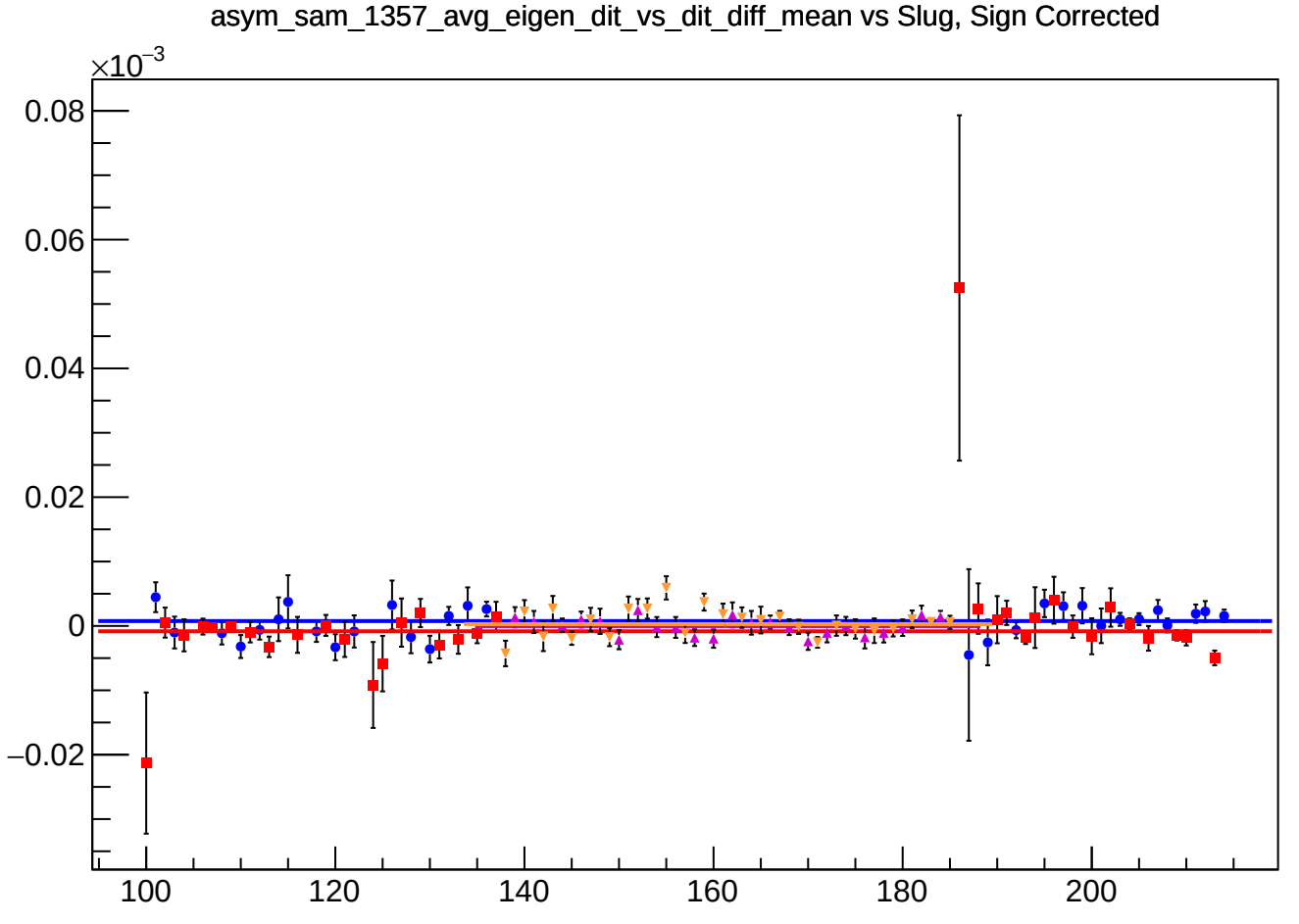
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

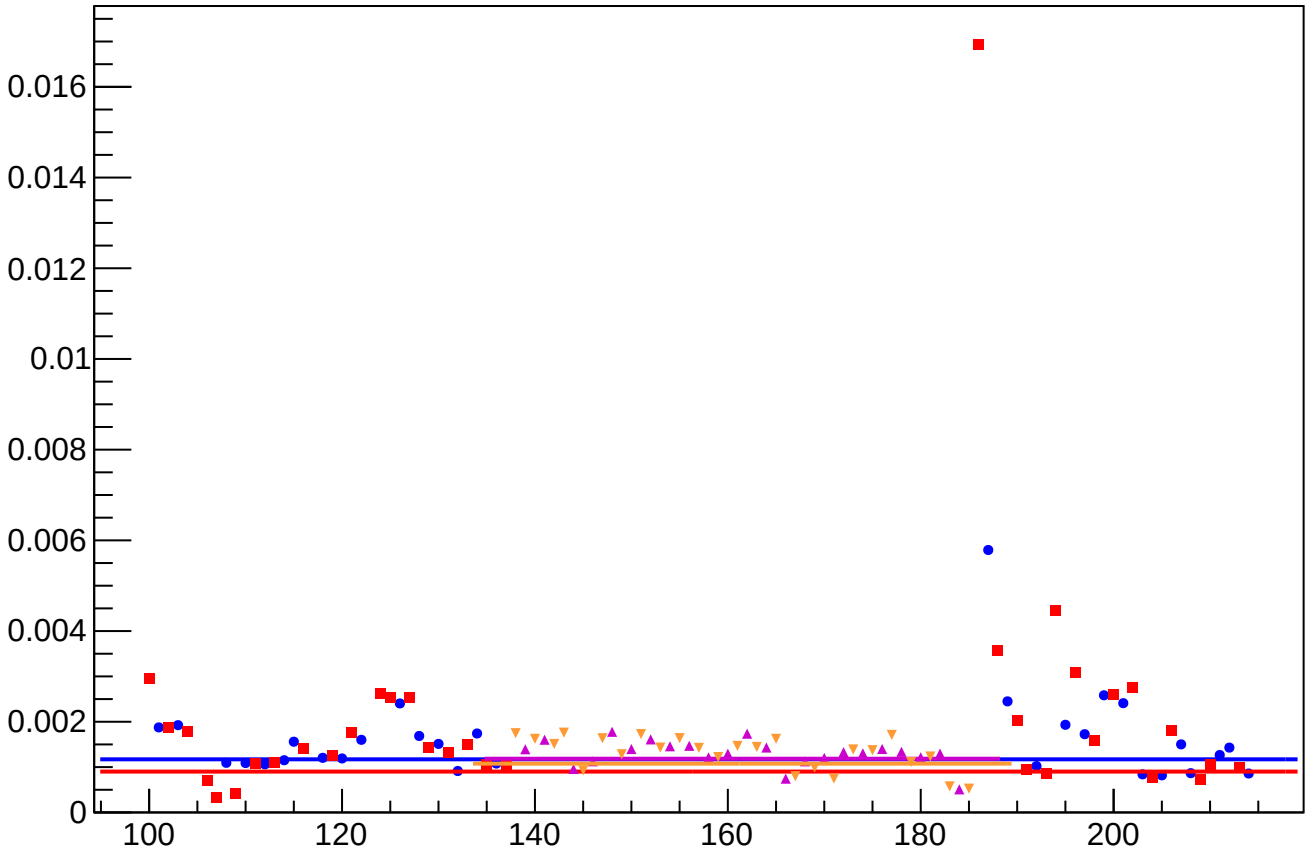
Right: 24.601+/-0.003 χ^2/NDF: 9012574.3/63

In: 21.963+/-0.003 χ^2/NDF:9253627.0/52

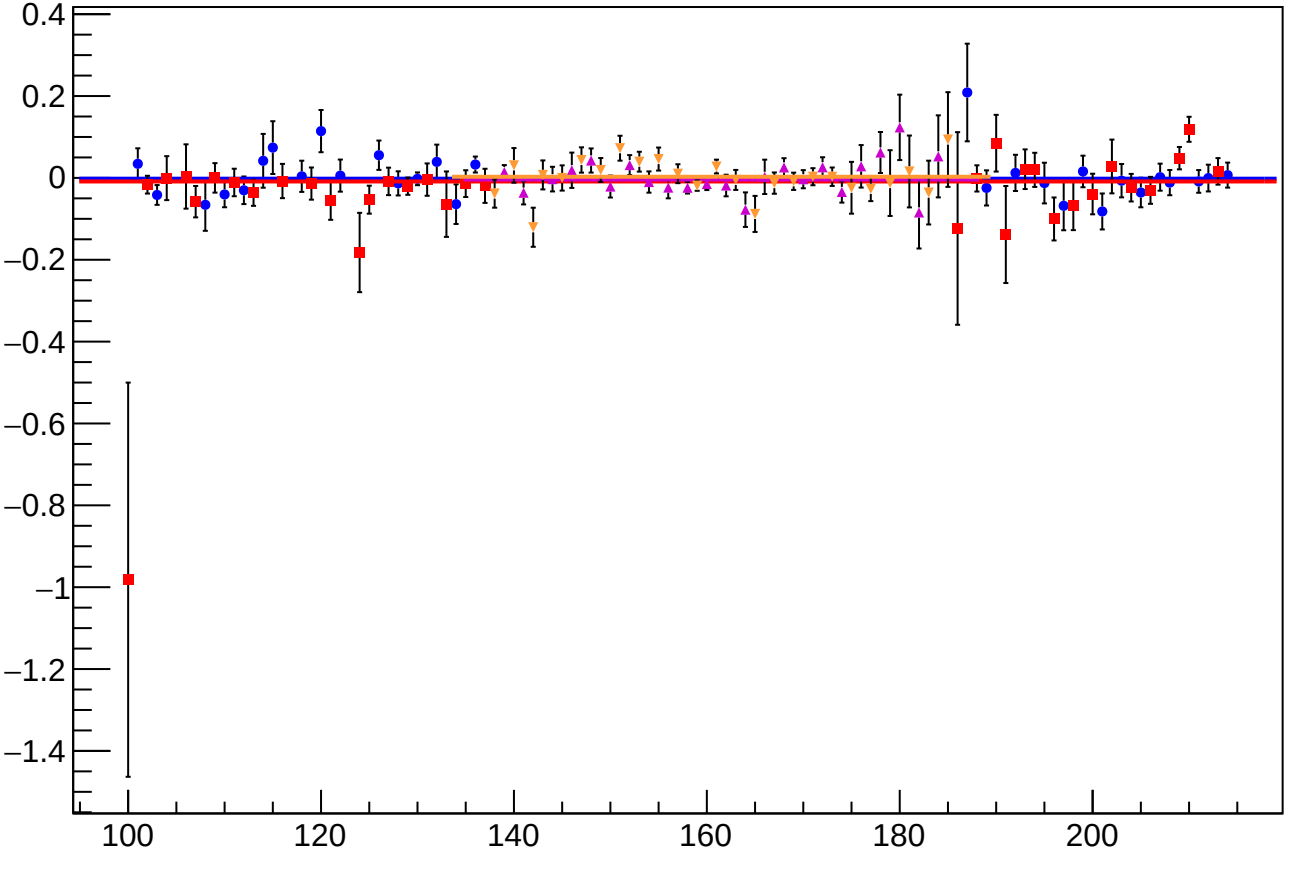
Out: 22.913+/-0.003 χ^2/NDF:10658835.7/58

All: 22.423+/-0.002 χ^2/NDF: 19964931.3/111


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 35.2/29
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 45.0/33
Left In: -0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 73.0/47
Right: -0.000+/-0.000 χ²/NDF: 96.3/63
In: 0.000+/-0.000 χ²/NDF:58.4/52
Out: -0.000+/-0.000 χ²/NDF:107.0/58
All: -0.000+/-0.000 χ²/NDF: 170.7/111


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.016
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: 3861654.0/29
Left Out: 0.001+/-0.000 χ²/NDF:4545392.2/24
Right Out: 0.001+/-0.000 χ²/NDF: 11183920.4/33
Left In: 0.001+/-0.000 χ²/NDF:2456537.2/22
Left: 0.001+/-0.000 χ²/NDF: 7155644.5/47
Right: 0.001+/-0.000 χ²/NDF: 15985121.6/63
In: 0.001+/-0.000 χ²/NDF:6320095.2/52
Out: 0.001+/-0.000 χ²/NDF:16189807.1/58
All: 0.001+/-0.000 χ²/NDF: 23473903.1/111

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

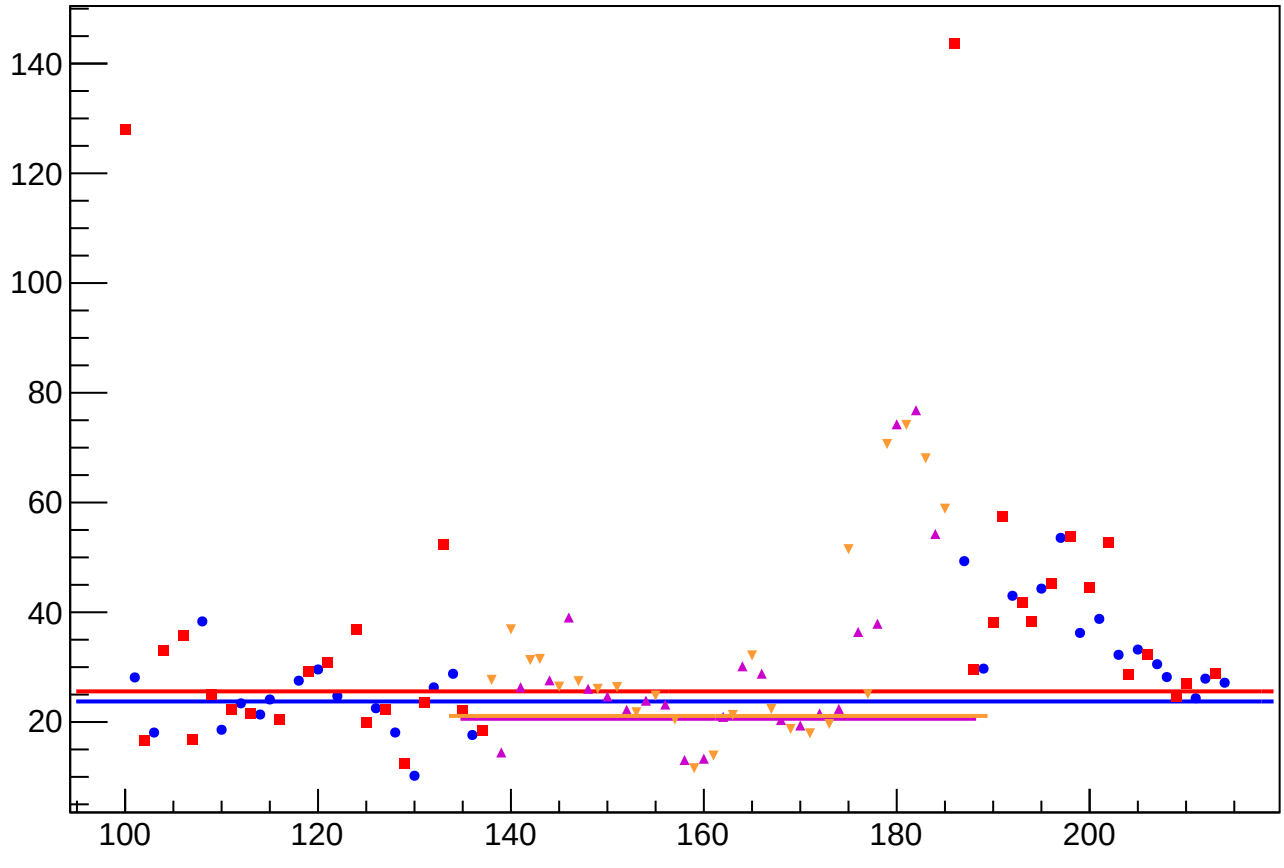
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.005+/-0.005 χ^2/NDF: 77.6/63

In: -0.003+/-0.004 χ^2/NDF:56.4/52

Out: -0.002+/-0.004 χ^2/NDF:79.9/58

All: -0.002+/-0.003 χ^2/NDF: 136.3/111



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

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

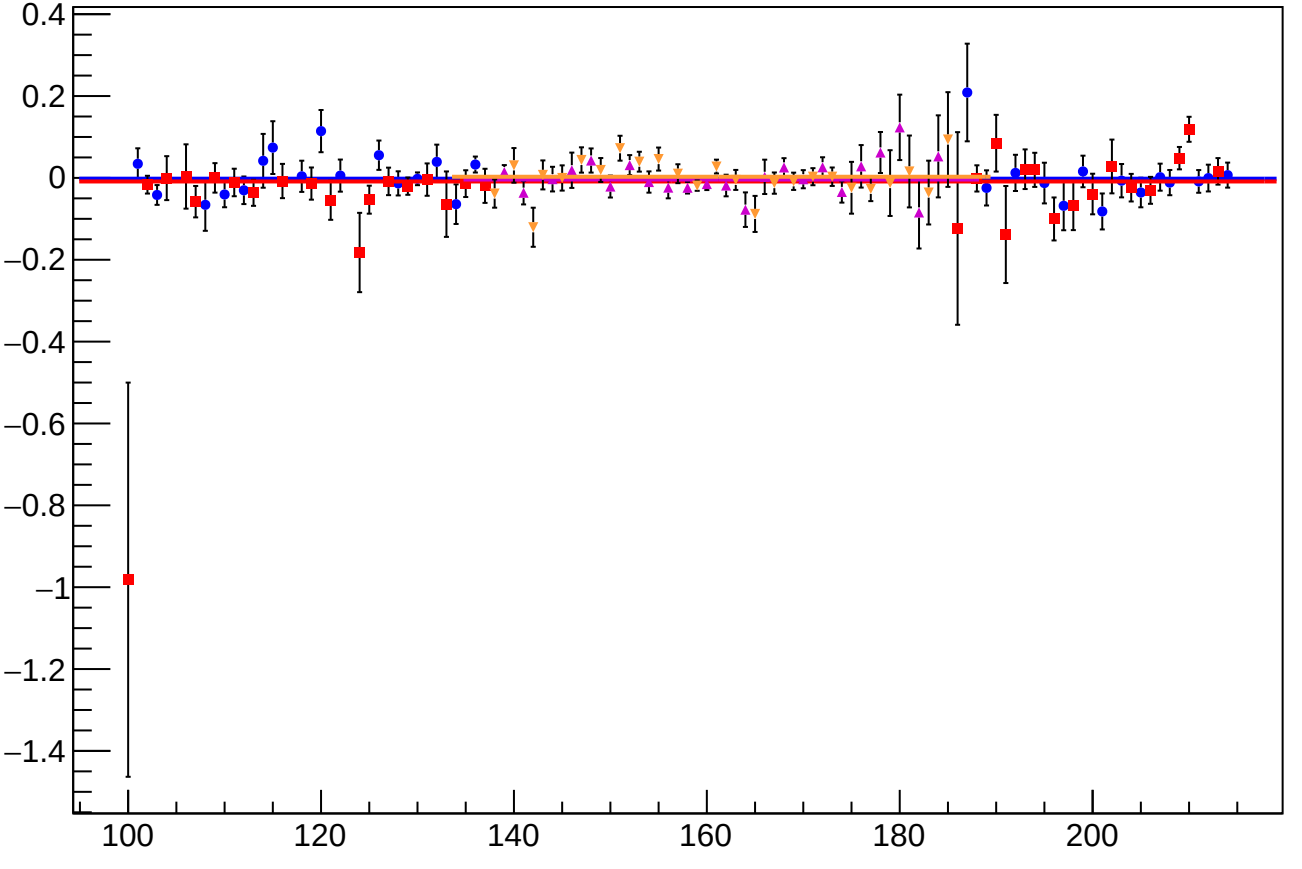
Right: 24.602+/-0.003 χ^2/NDF: 9012229.2/63

In: 21.963+/-0.003 χ^2/NDF:9253360.3/52

Out: 22.913+/-0.003 χ^2/NDF:10658948.7/58

All: 22.424+/-0.002 χ^2/NDF: 19964754.6/111

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

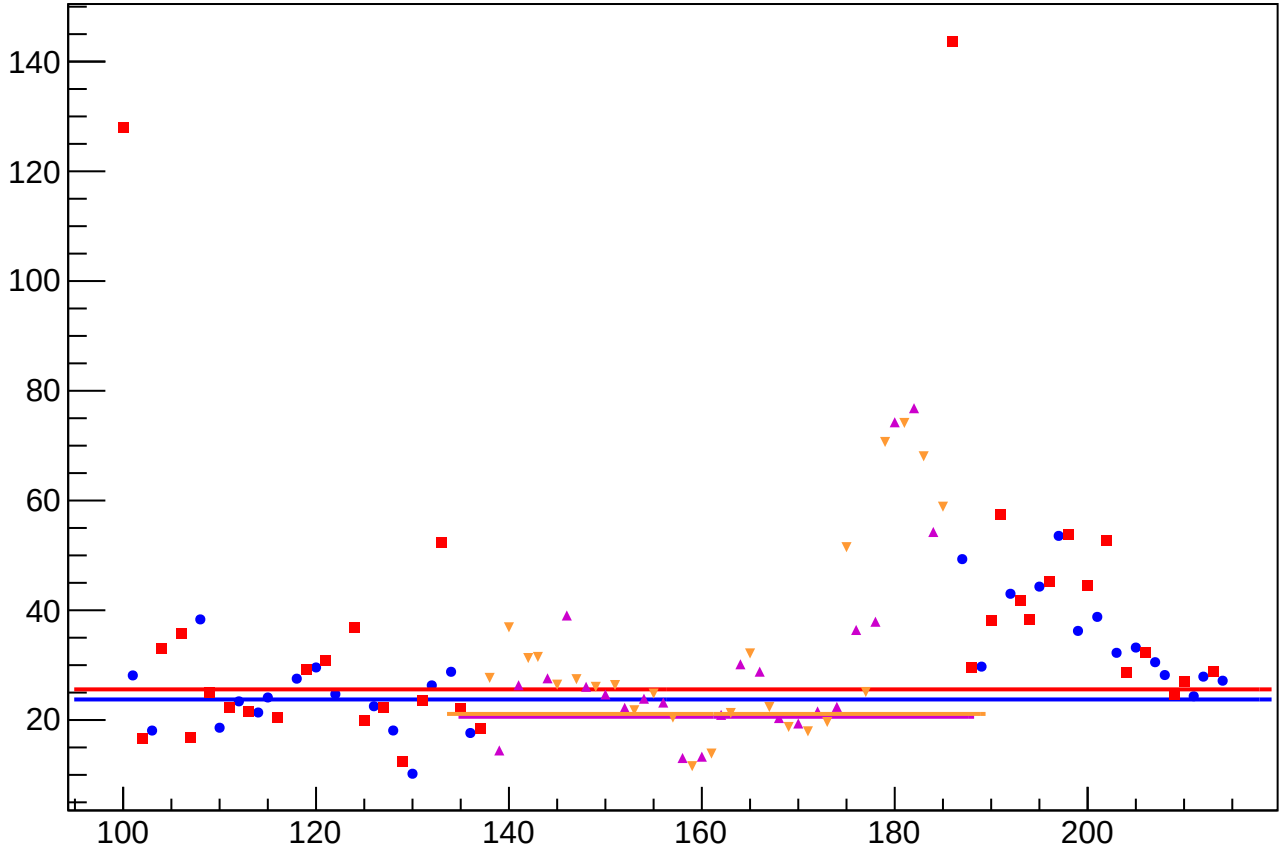
Right: -0.005+/-0.005 χ^2/NDF: 77.6/63

In: -0.003+/-0.004 χ^2/NDF:56.4/52

Out: -0.002+/-0.004 χ^2/NDF:79.9/58

All: -0.002+/-0.003 χ^2/NDF: 136.3/111

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

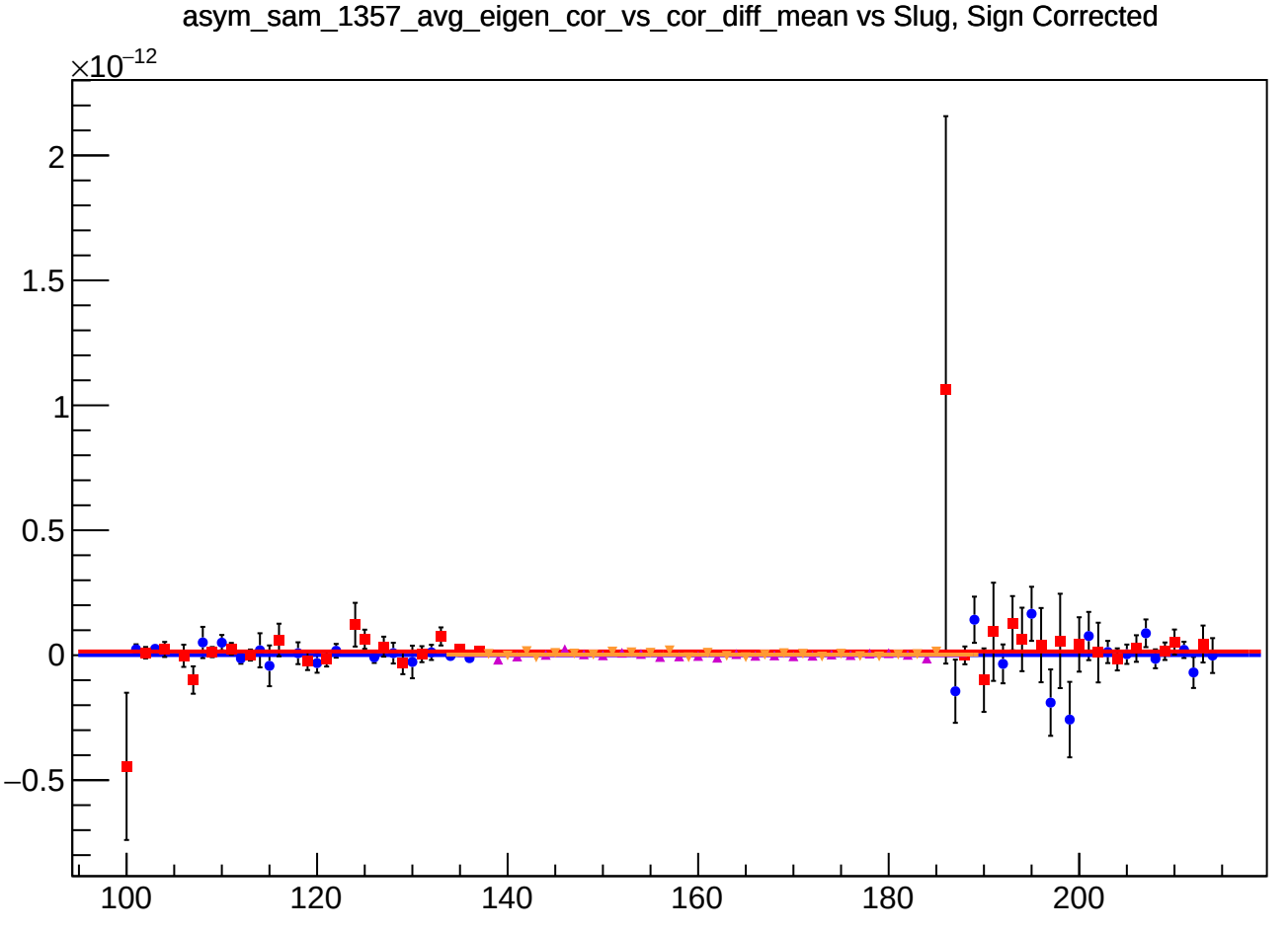
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.602+/-0.003 χ^2/NDF: 9012229.2/63

In: 21.963+/-0.003 χ^2/NDF:9253360.3/52

Out: 22.913+/-0.003 χ^2/NDF:10658948.7/58

All: 22.424+/-0.002 χ^2/NDF: 19964754.6/111



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

Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

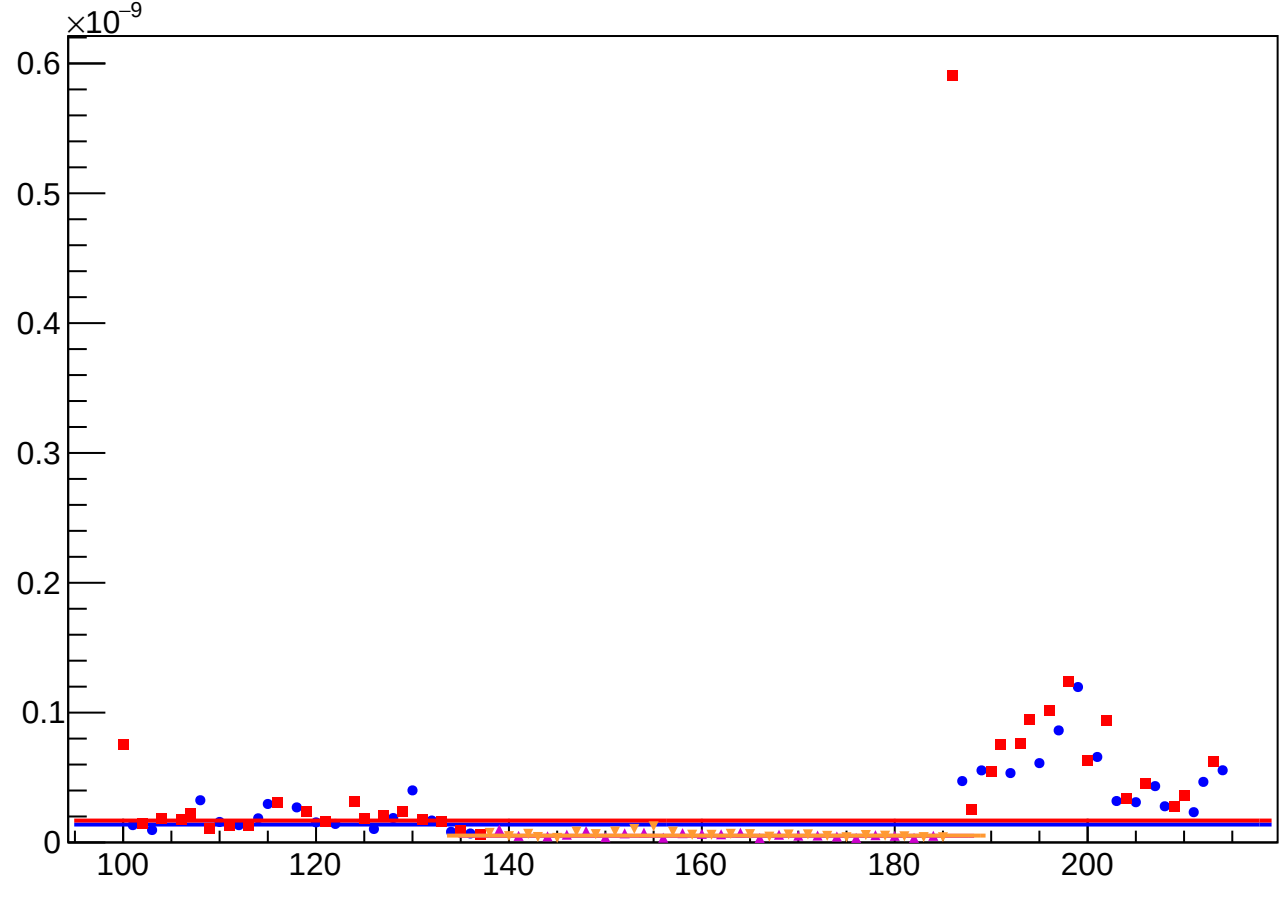
Right: 0.000+/-0.000 χ^2/NDF: 52.2/63

In: 0.000+/-0.000 χ^2/NDF:48.1/52

Out: 0.000+/-0.000 χ^2/NDF:46.9/58

All: 0.000+/-0.000 χ^2/NDF: 96.5/111

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

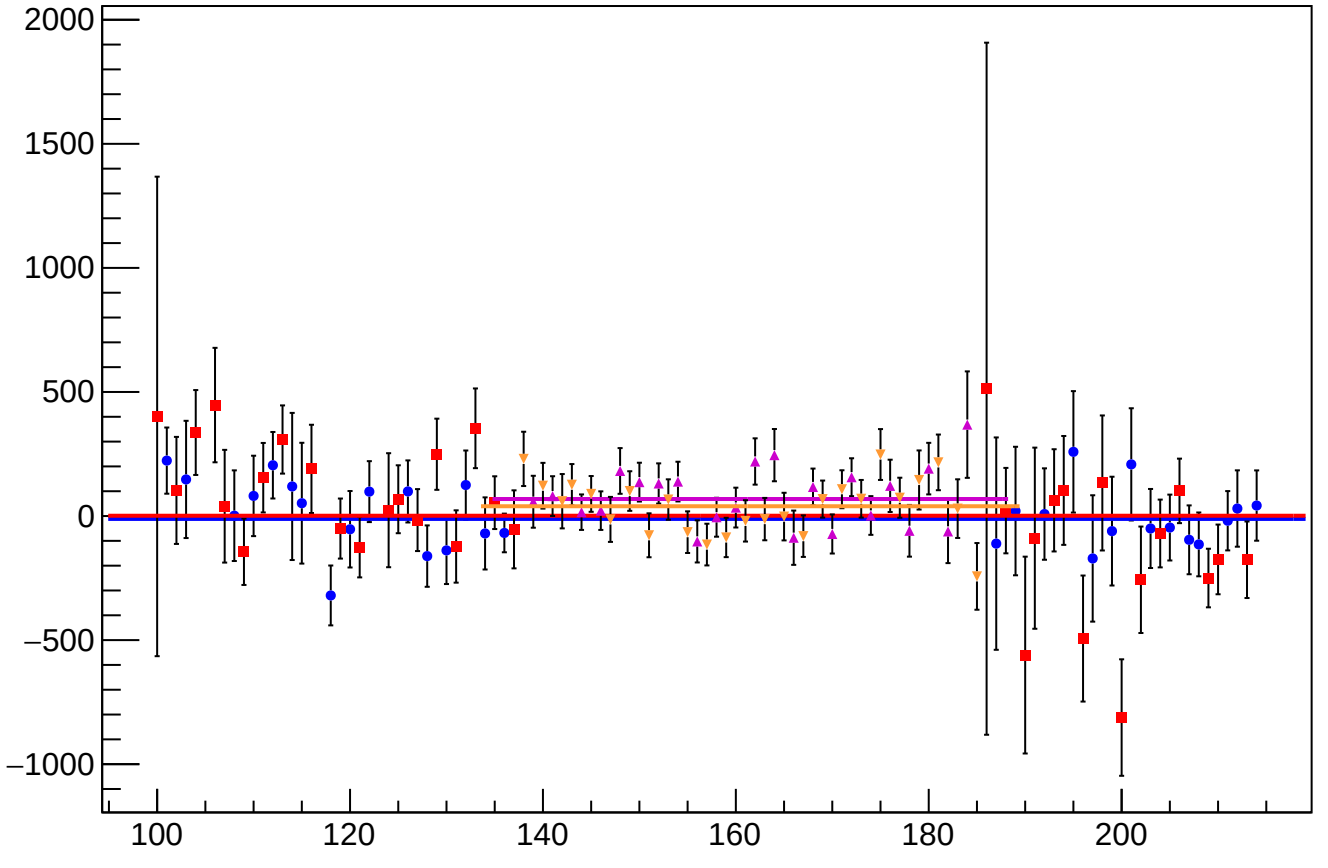
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 18255902.1/63

In: 0.000+/-0.000 χ^2/NDF:15828100.3/52

Out: 0.000+/-0.000 χ^2/NDF:17760739.3/58

All: 0.000+/-0.000 χ^2/NDF: 33604754.9/111



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

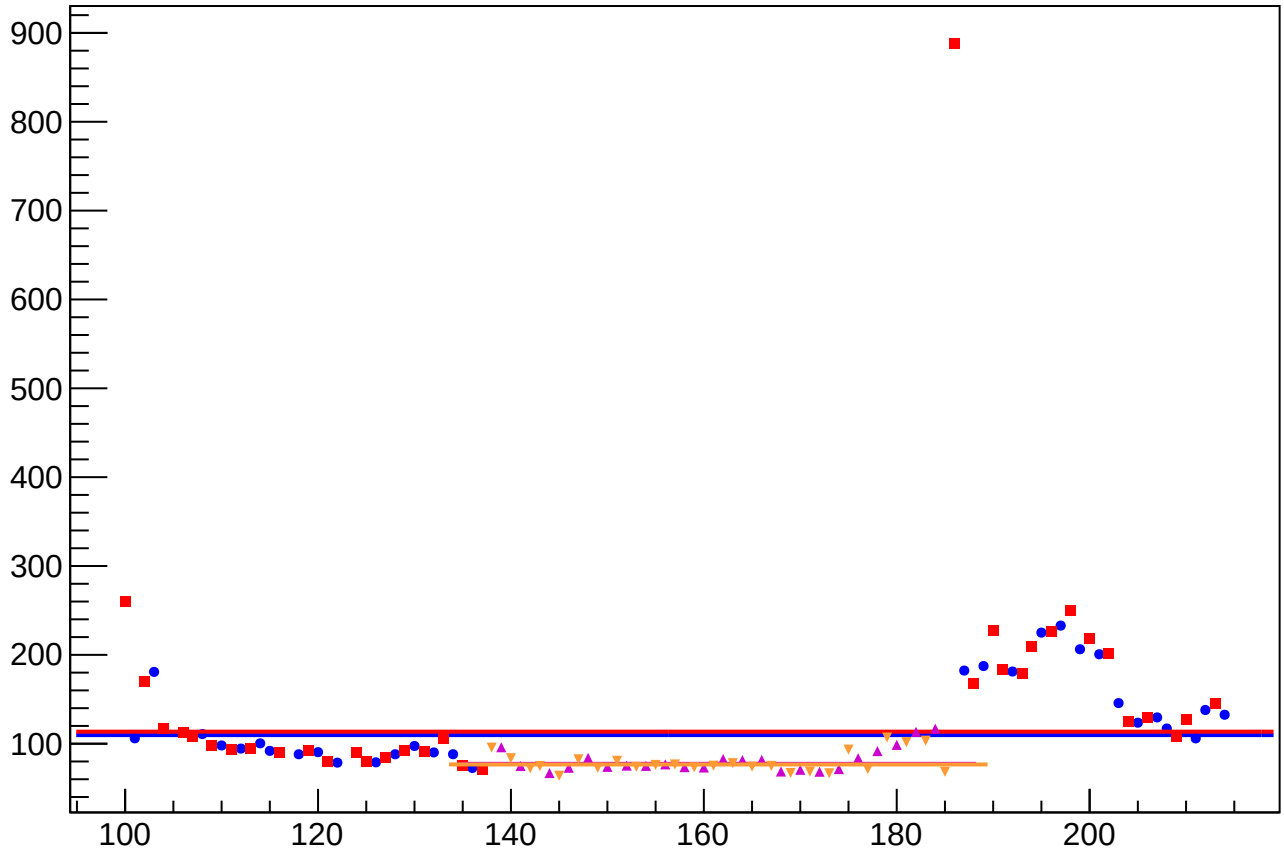
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: -5.400+/-19.596 χ^2/NDF: 78.3/63

In: 43.689+/-15.207 χ^2/NDF:58.0/52

Out: 28.677+/-14.966 χ^2/NDF:88.5/58

All: 36.063+/-10.667 χ^2/NDF: 146.9/111



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

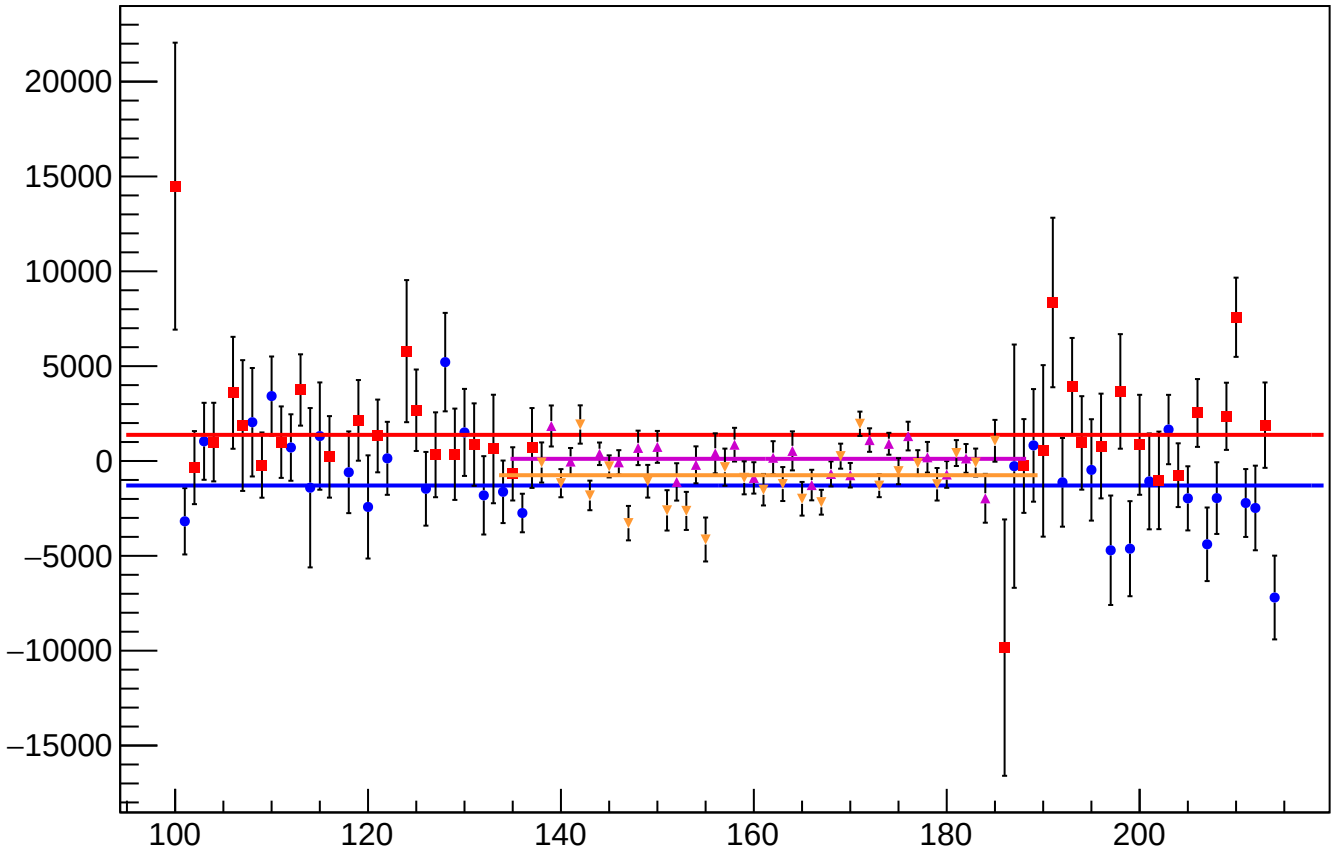
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

Right: 111.557+/-0.014 χ^2/NDF: 8385259.7/63

In: 87.390+/-0.011 χ^2/NDF:6167794.4/52

Out: 87.073+/-0.011 χ^2/NDF:7844309.4/58

All: 87.229+/-0.008 χ^2/NDF: 14012545.7/111



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

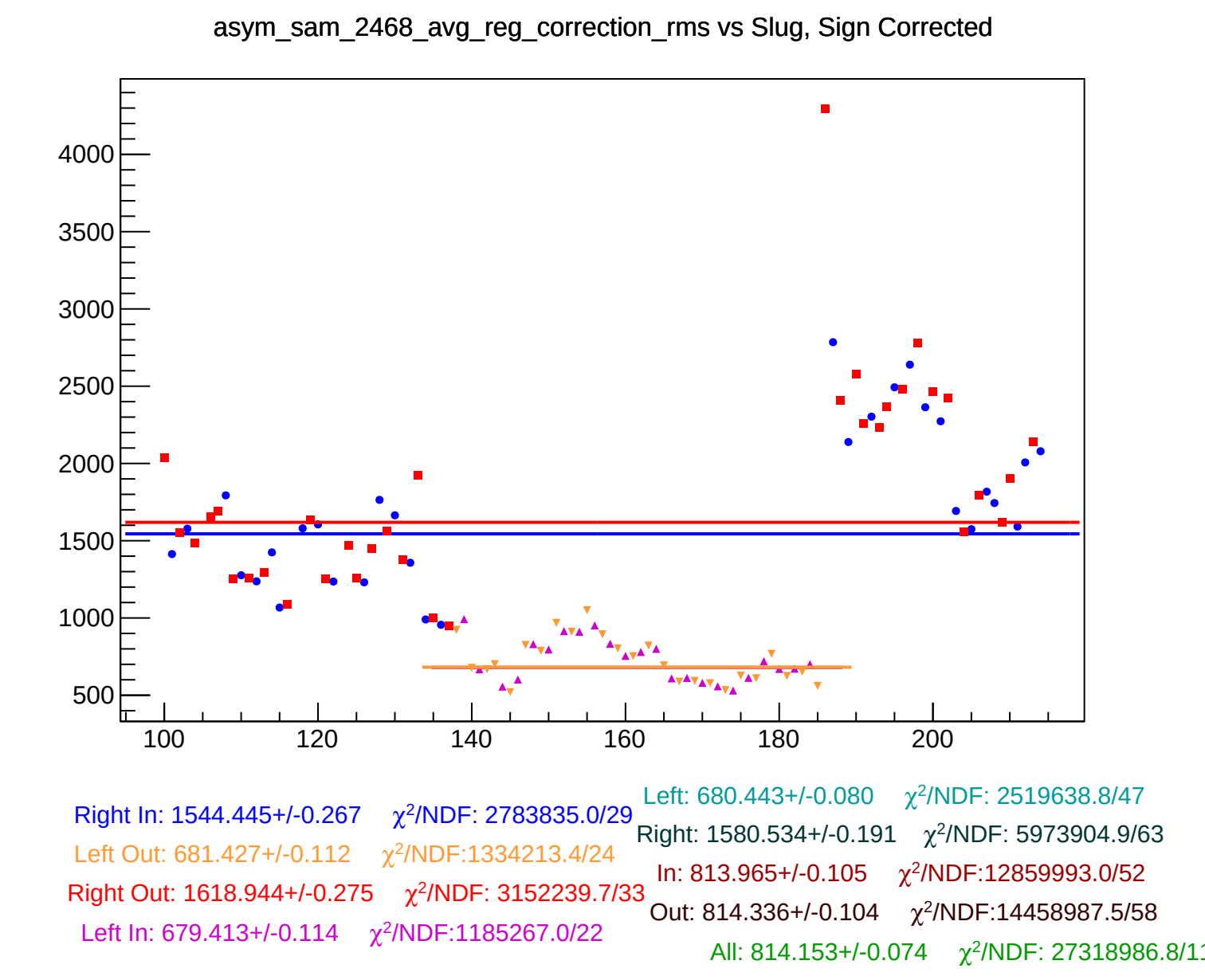
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

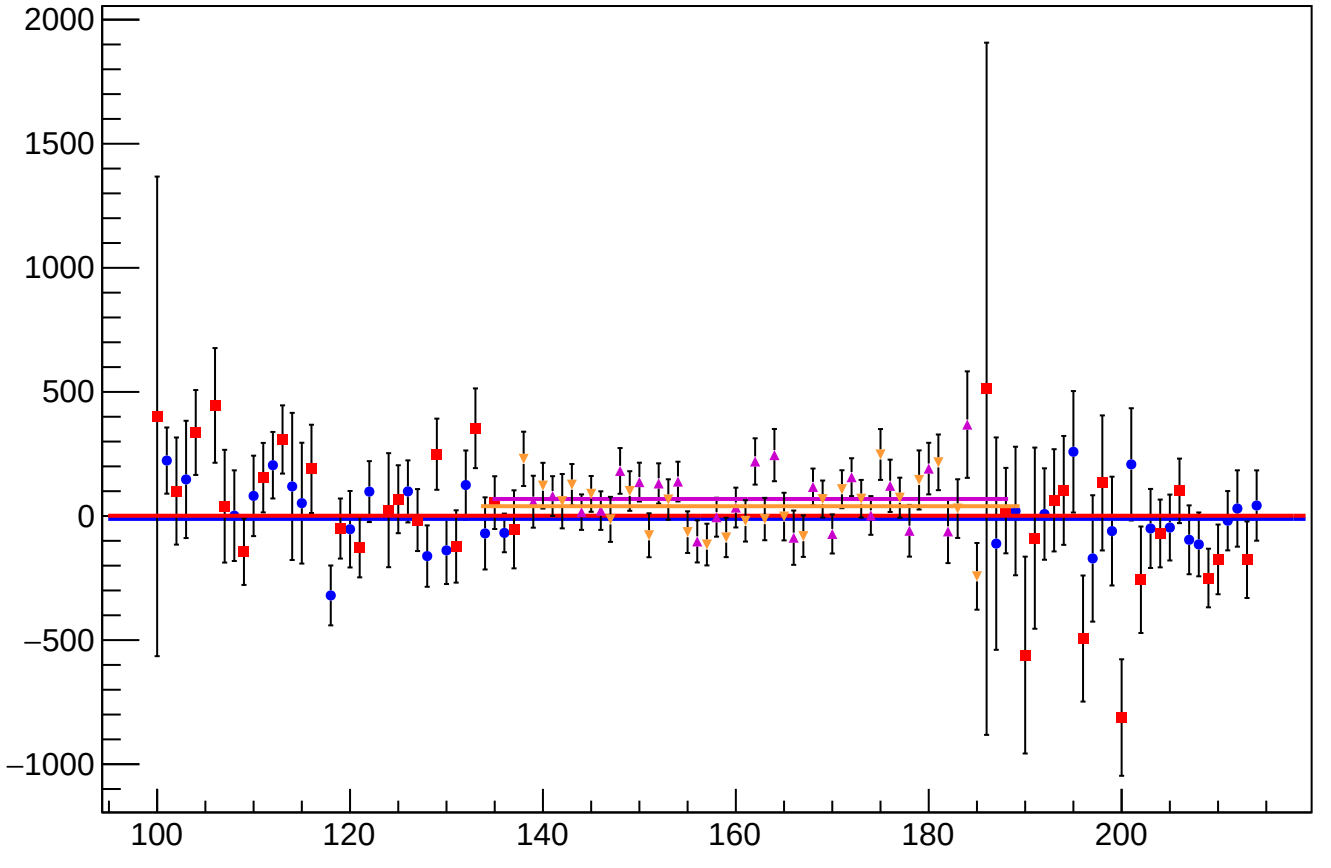
Right: 1.142+/-270.712 χ^2/NDF: 94.4/63

In: -104.901+/-148.693 χ^2/NDF:75.6/52

Out: -448.058+/-146.448 χ^2/NDF:126.9/58

All: -279.090+/-104.339 χ^2/NDF: 205.3/111


asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1544.445+/-0.267 χ²/NDF: 2783835.0/29
Left Out: 681.427+/-0.112 χ²/NDF:1334213.4/24
Right Out: 1618.944+/-0.275 χ²/NDF: 3152239.7/33
Left In: 679.413+/-0.114 χ²/NDF:1185267.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.8/47
Right: 1580.534+/-0.191 χ²/NDF: 5973904.9/63
In: 813.965+/-0.105 χ²/NDF:12859993.0/52
Out: 814.336+/-0.104 χ²/NDF:14458987.5/58
All: 814.153+/-0.074 χ²/NDF: 27318986.8/11



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

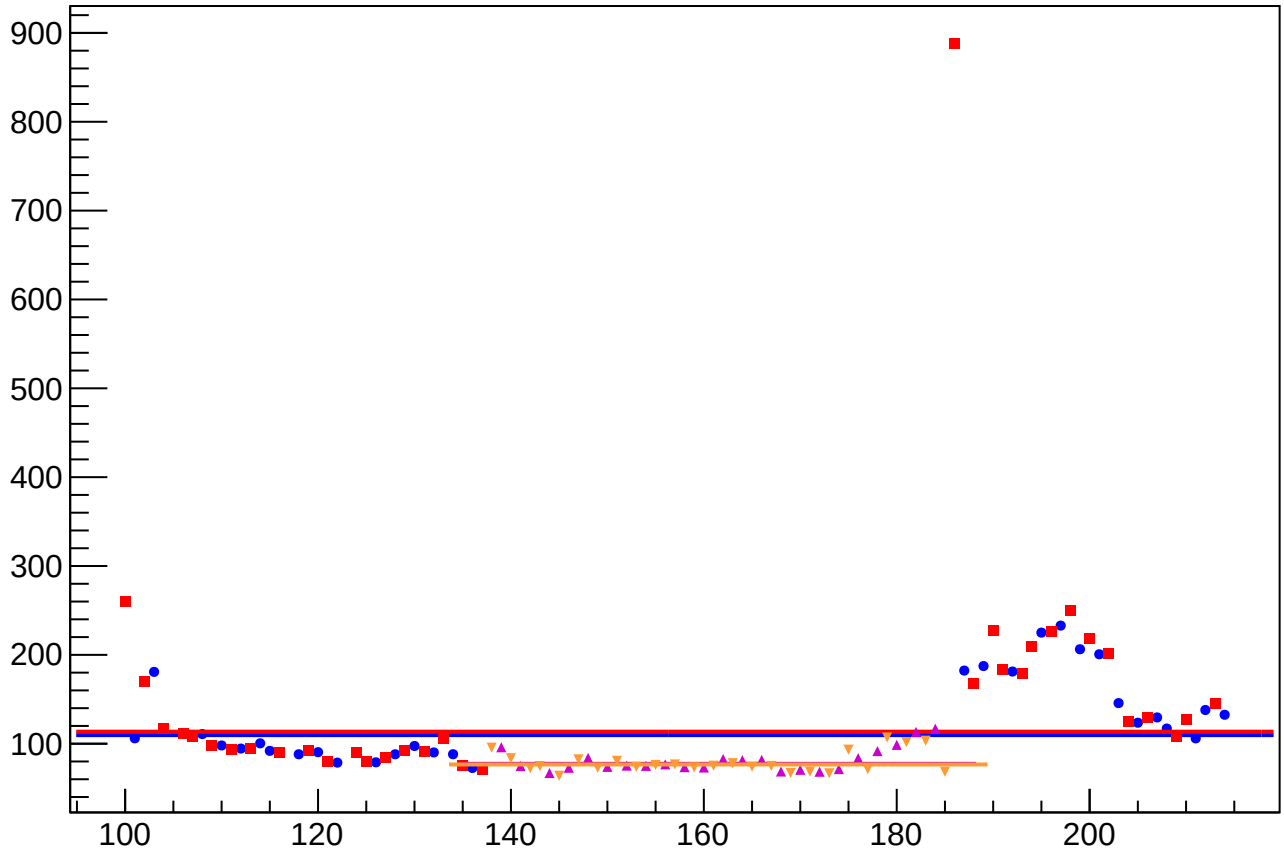
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -5.451+/-19.596 χ^2/NDF: 78.2/63

In: 43.686+/-15.207 χ^2/NDF:58.0/52

Out: 28.656+/-14.966 χ^2/NDF:88.4/58

All: 36.051+/-10.667 χ^2/NDF: 146.9/111



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

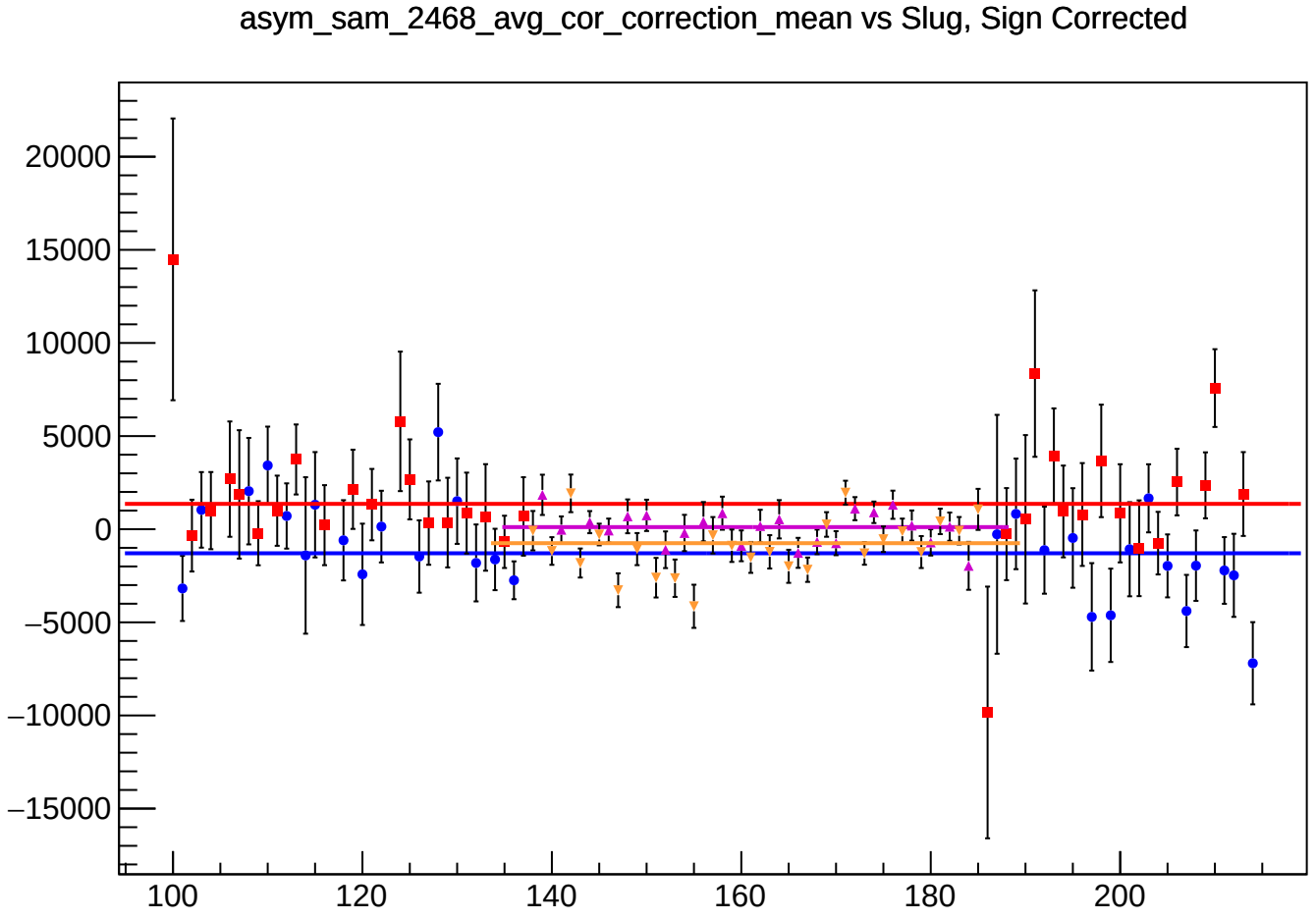
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 111.548+/-0.014 χ^2/NDF: 8385457.5/63

In: 87.390+/-0.011 χ^2/NDF:6167798.0/52

Out: 87.067+/-0.011 χ^2/NDF:7842008.6/58

All: 87.226+/-0.008 χ^2/NDF: 14010265.2/111



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

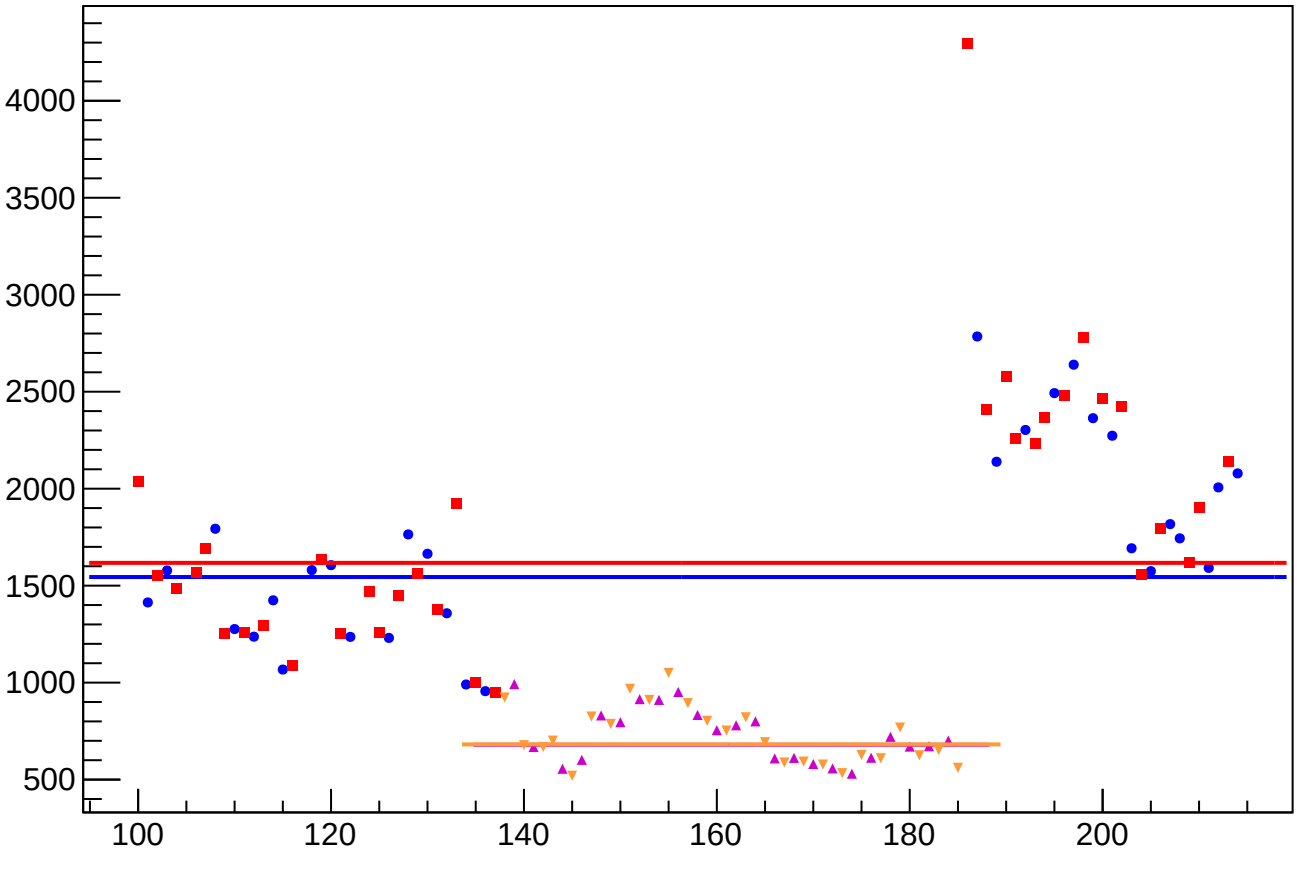
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: -8.407+/-270.821 χ^2/NDF: 93.7/63

In: -104.898+/-148.693 χ^2/NDF:75.6/52

Out: -450.952+/-146.465 χ^2/NDF:126.1/58

All: -280.537+/-104.345 χ^2/NDF: 204.5/111



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

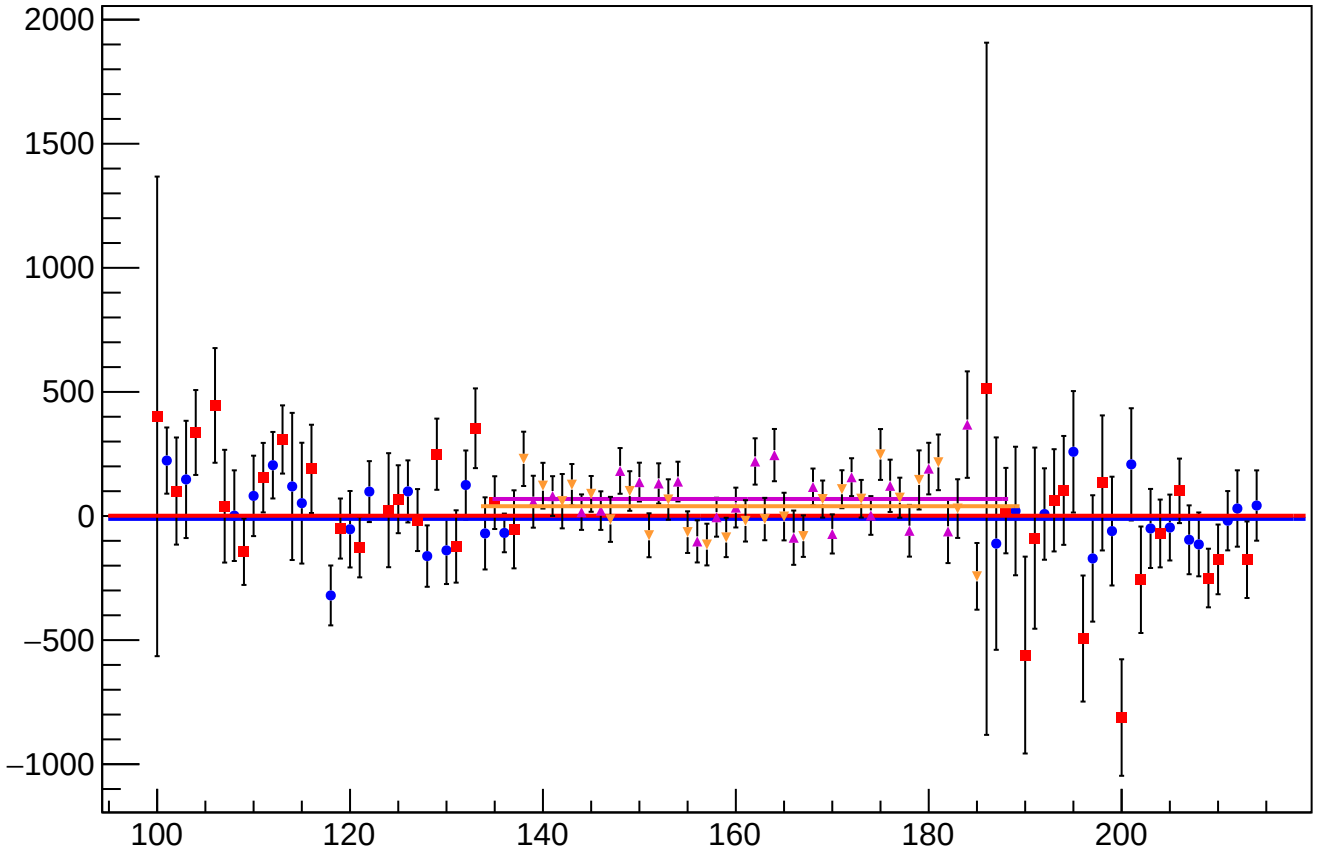
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1579.838+/-0.191 χ^2/NDF: 5972617.0/63

In: 813.965+/-0.105 χ^2/NDF:12860026.8/52

Out: 813.953+/-0.104 χ^2/NDF:14415749.0/58

All: 813.959+/-0.074 χ^2/NDF: 27275775.8/11



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

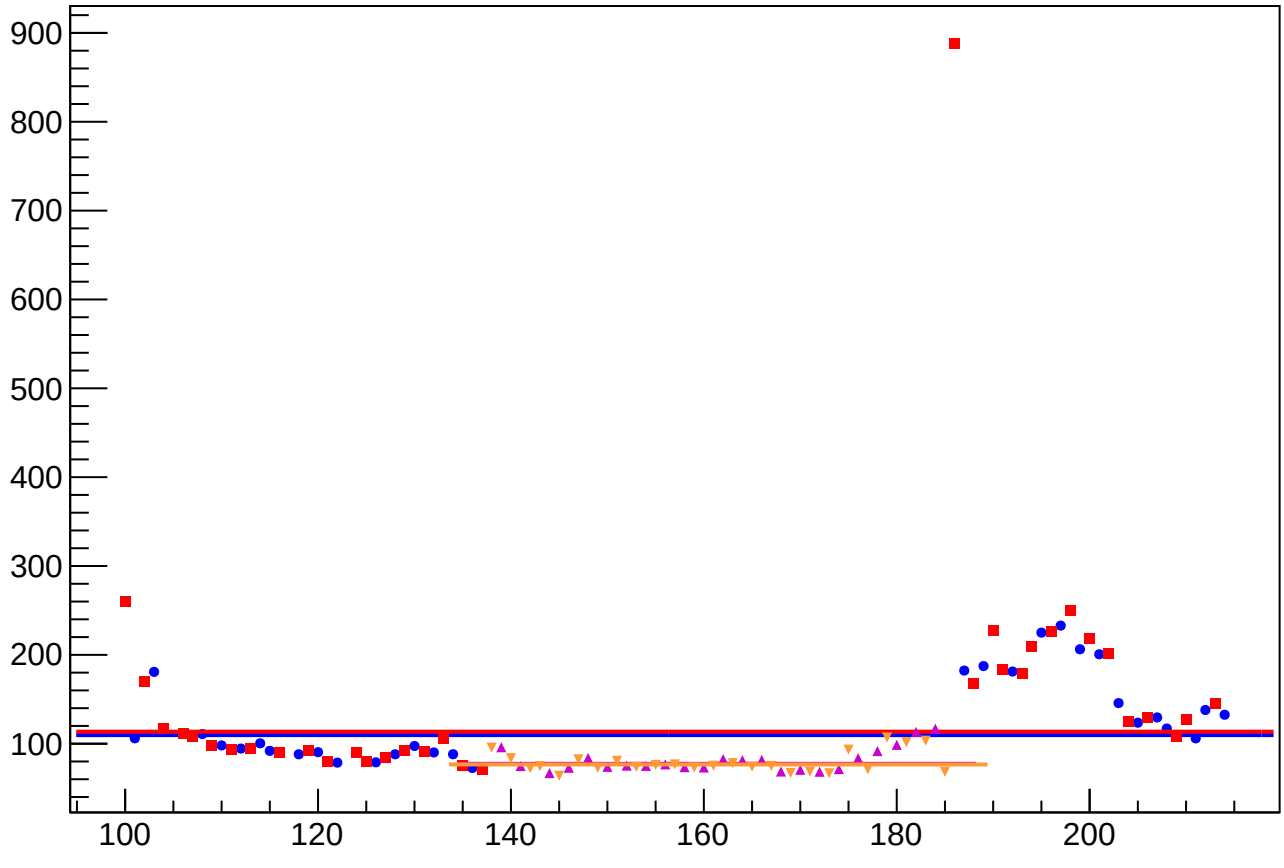
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -5.451+/-19.596 χ^2/NDF: 78.2/63

In: 43.686+/-15.207 χ^2/NDF:58.0/52

Out: 28.656+/-14.966 χ^2/NDF:88.4/58

All: 36.051+/-10.667 χ^2/NDF: 146.9/111



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

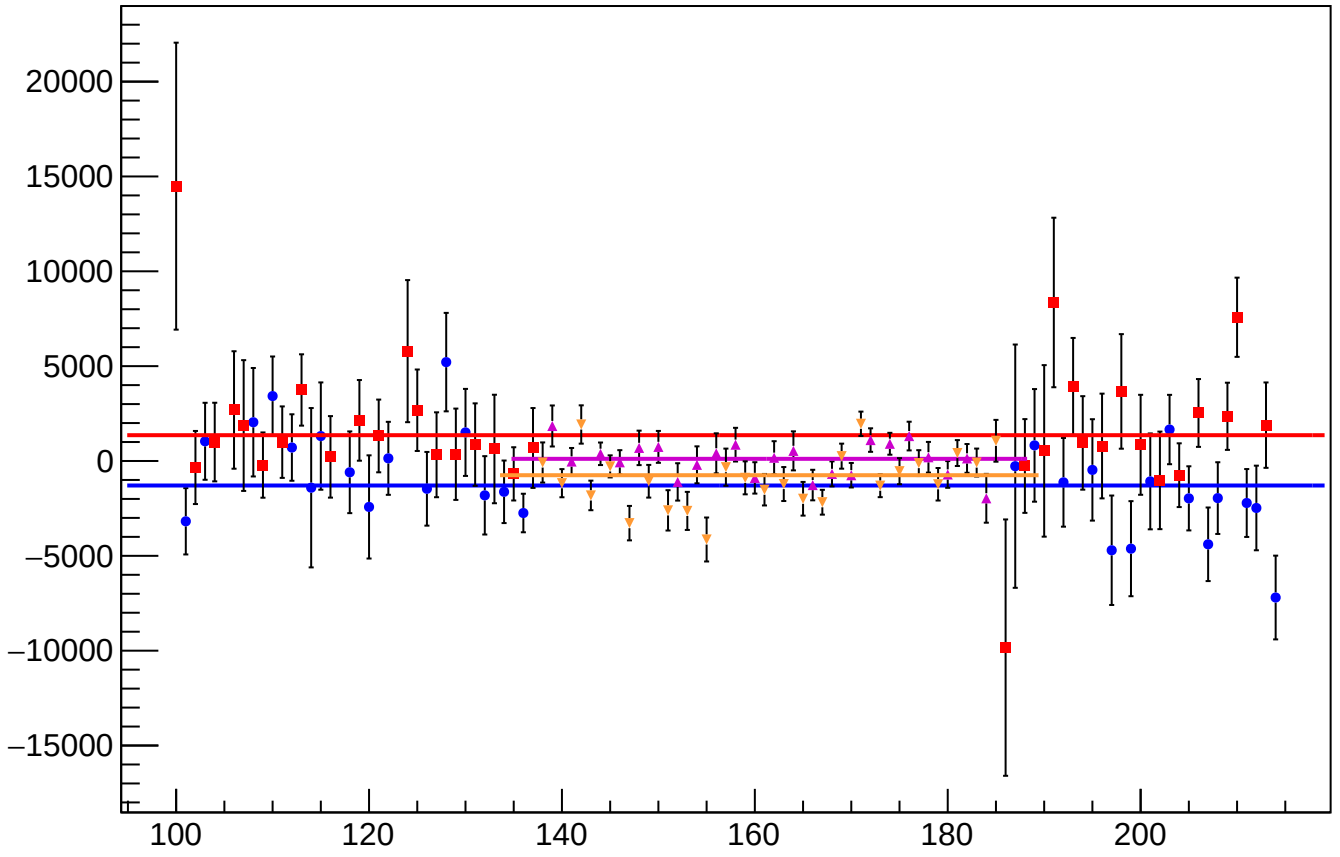
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 111.548+/-0.014 χ^2/NDF: 8385457.5/63

In: 87.390+/-0.011 χ^2/NDF:6167798.0/52

Out: 87.067+/-0.011 χ^2/NDF:7842008.6/58

All: 87.226+/-0.008 χ^2/NDF: 14010265.2/111



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

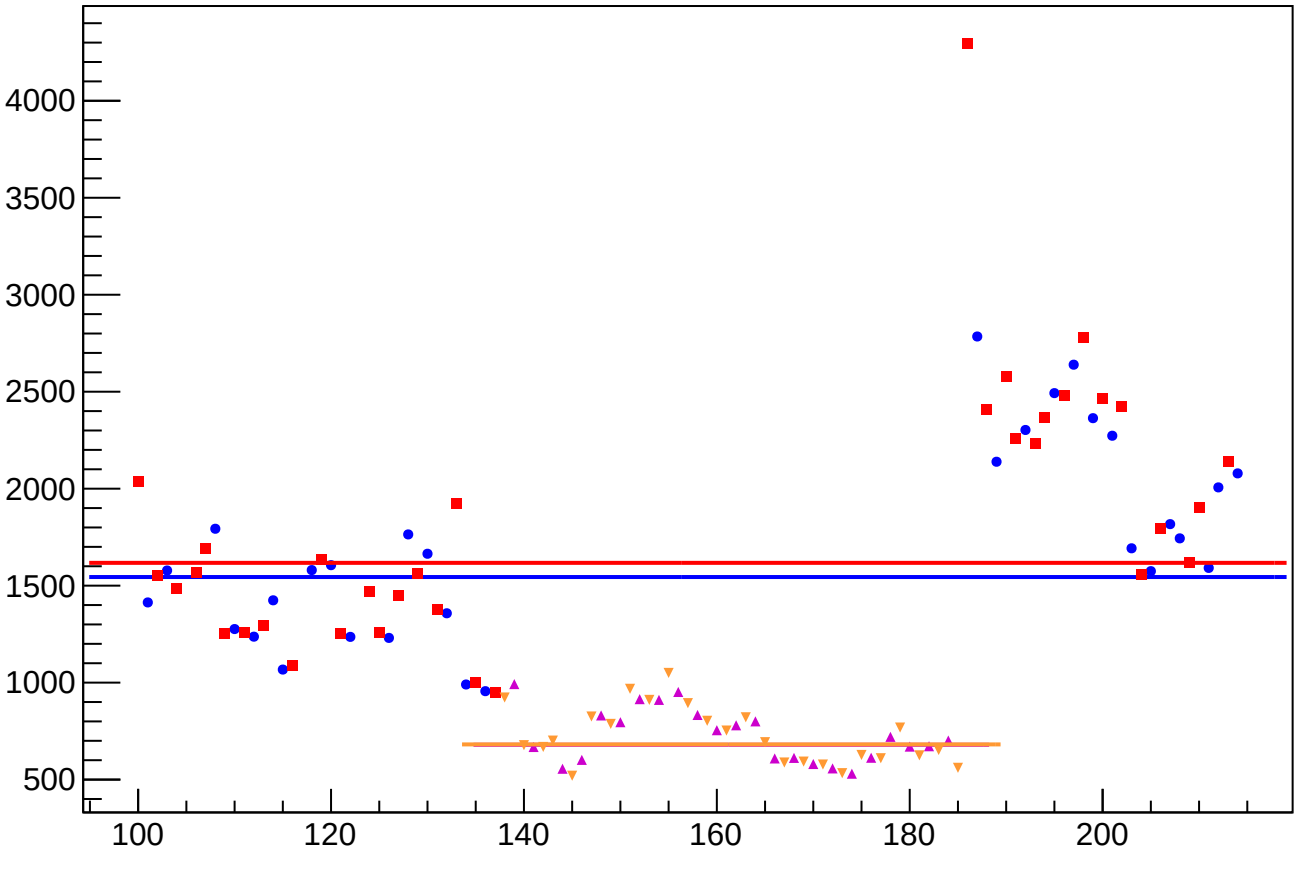
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: -8.407+/-270.821 χ^2/NDF: 93.7/63

In: -104.898+/-148.693 χ^2/NDF:75.6/52

Out: -450.952+/-146.465 χ^2/NDF:126.1/58

All: -280.537+/-104.345 χ^2/NDF: 204.5/111



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

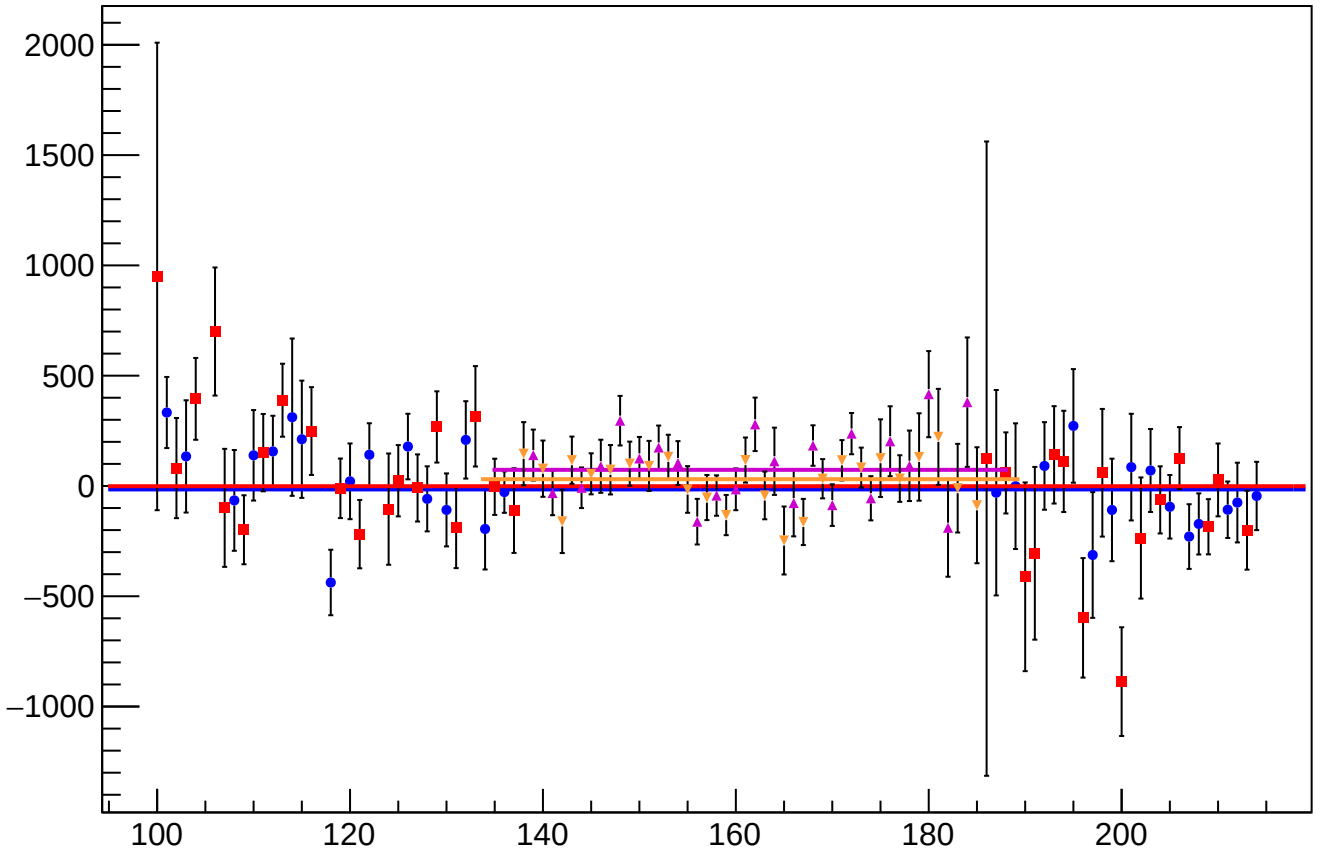
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1579.838+/-0.191 χ^2/NDF: 5972617.0/63

In: 813.965+/-0.105 χ^2/NDF:12860026.8/52

Out: 813.953+/-0.104 χ^2/NDF:14415749.0/58

All: 813.959+/-0.074 χ^2/NDF: 27275775.8/11



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

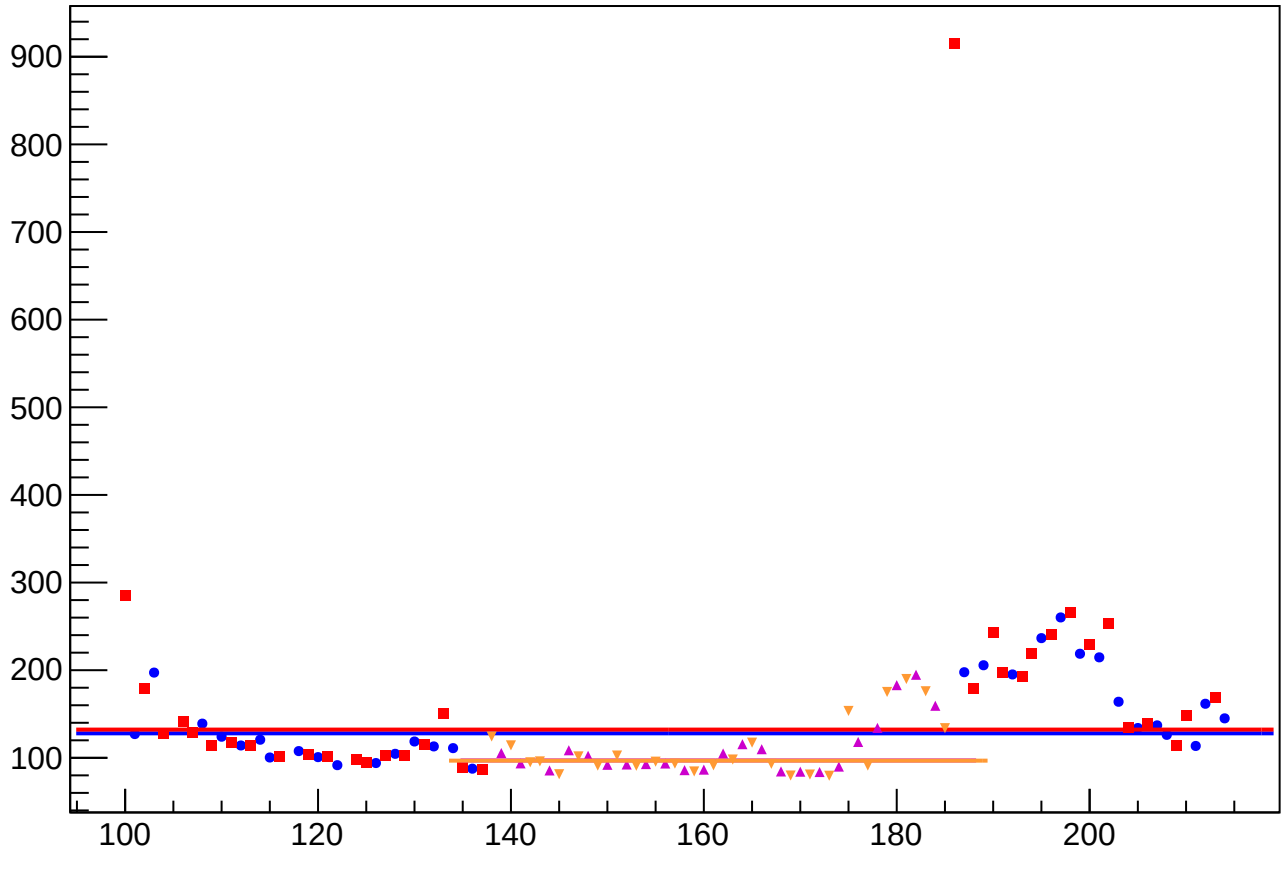
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -8.624+/-22.676 χ^2/NDF: 84.5/63

In: 41.497+/-18.860 χ^2/NDF:69.5/52

Out: 20.176+/-18.709 χ^2/NDF:75.0/58

All: 30.751+/-13.282 χ^2/NDF: 145.2/111



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

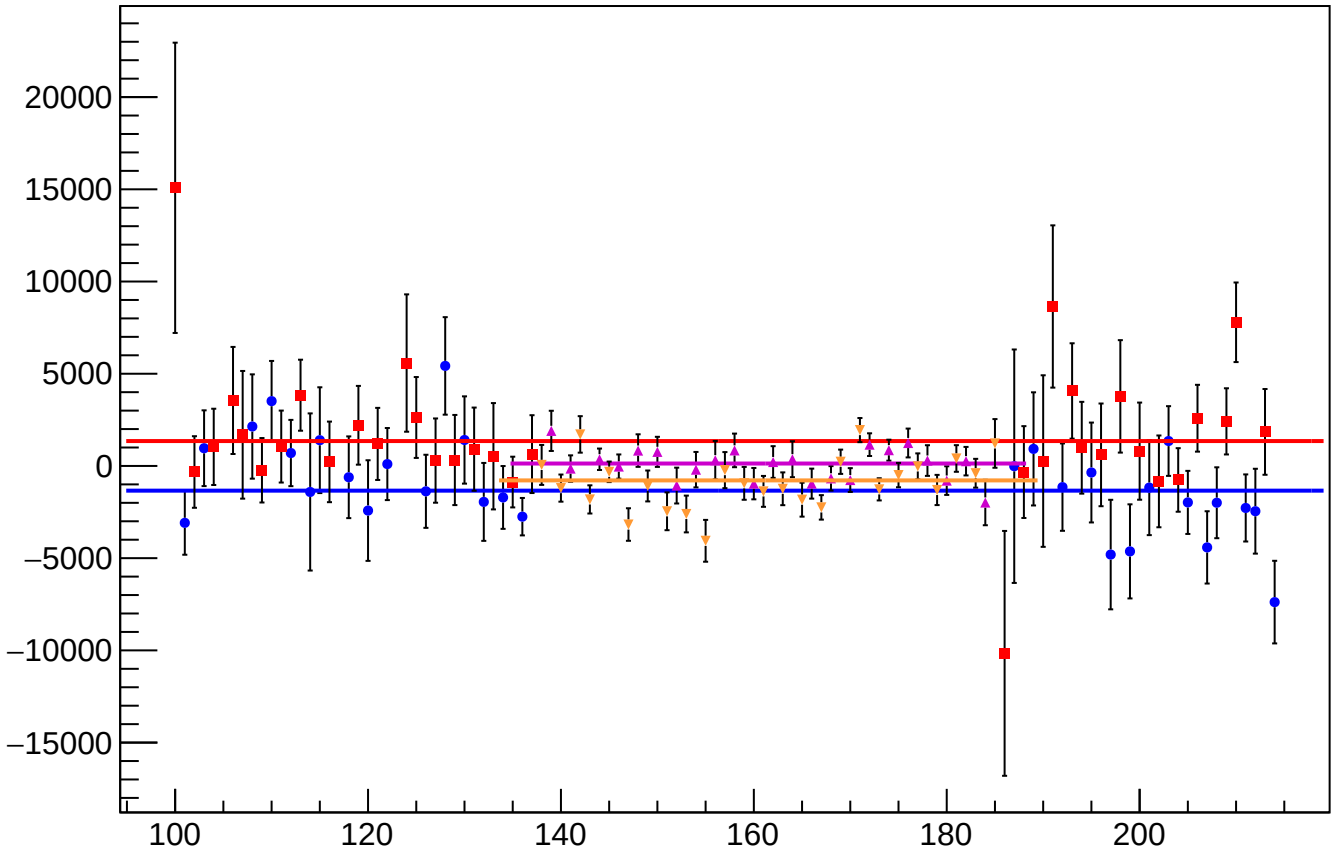
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

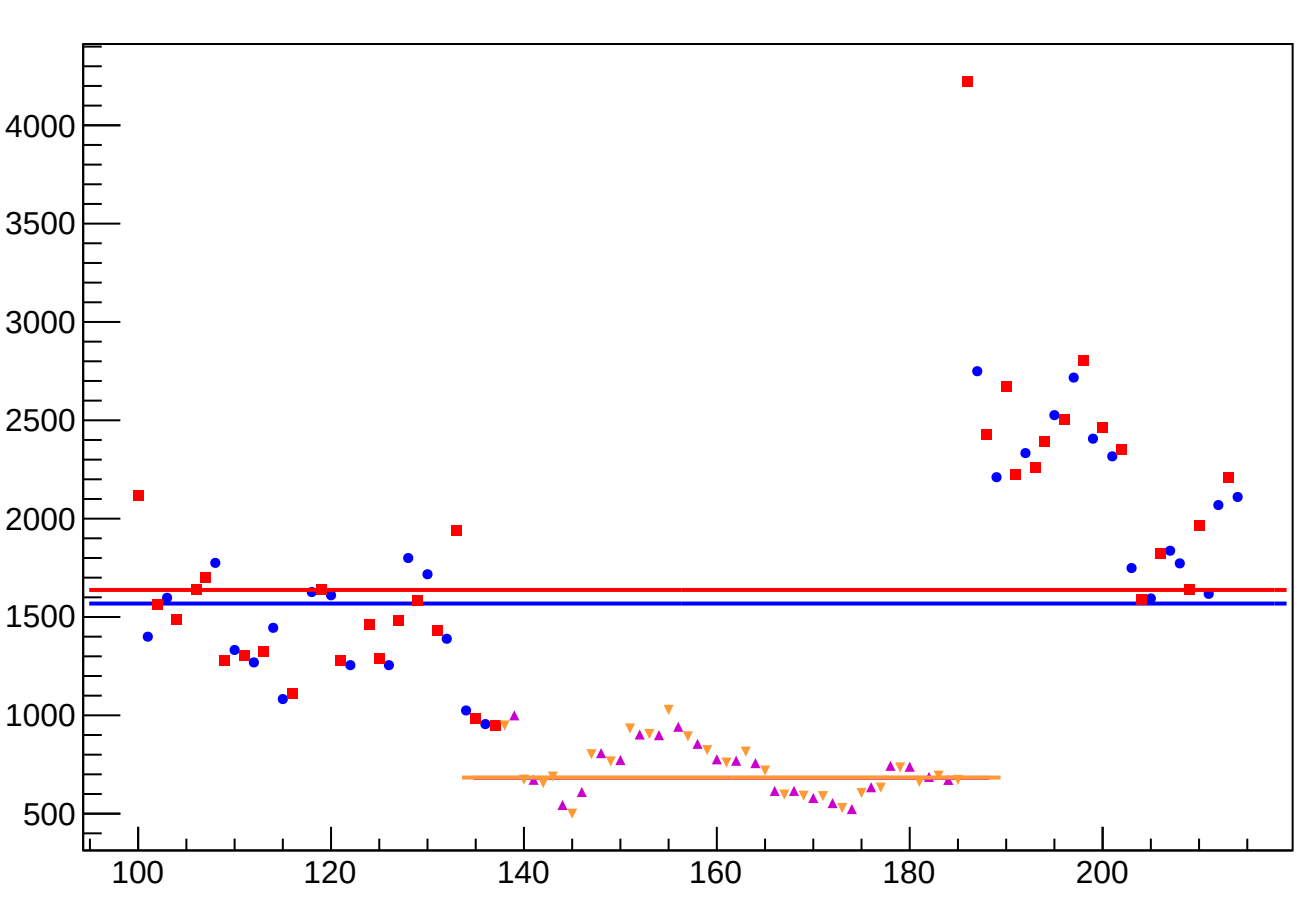
Right: 130.026+/-0.016 χ^2/NDF: 6979611.5/63

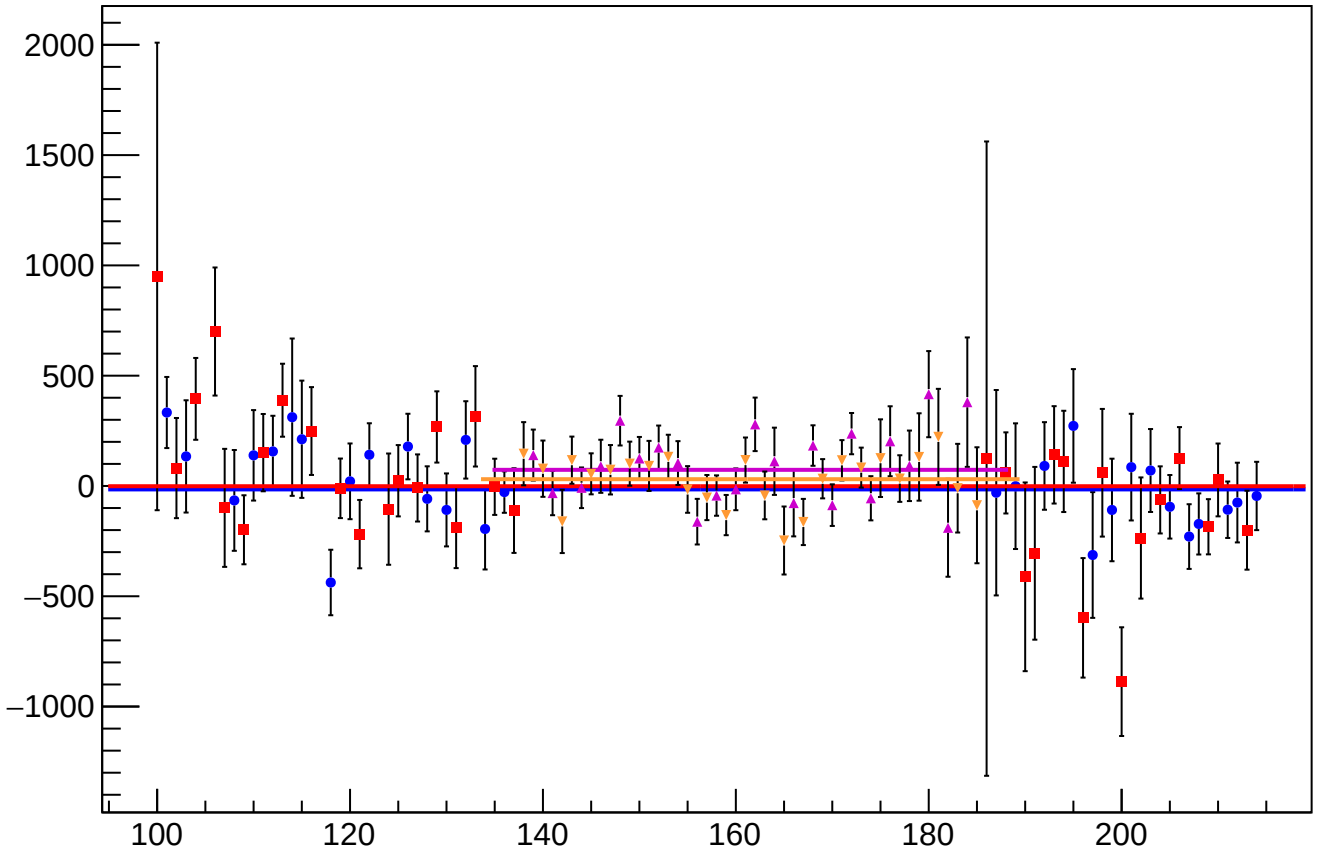
In: 108.044+/-0.013 χ^2/NDF:5498682.9/52

Out: 108.486+/-0.013 χ^2/NDF:7325334.9/58

All: 108.267+/-0.009 χ^2/NDF: 12824569.8/1


asym_sam_2468_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1339.346+/-383.008 χ²/NDF: 38.0/29
Left Out: -783.756+/-158.329 χ²/NDF:66.3/24
Right Out: 1349.572+/-393.282 χ²/NDF: 32.4/33
Left In: 131.380+/-162.409 χ²/NDF:24.3/22
Left: -337.829+/-113.371 χ²/NDF: 106.9/47
Right: -30.468+/-274.388 χ²/NDF: 94.4/63
In: -92.764+/-149.522 χ²/NDF:74.8/52
Out: -486.223+/-146.873 χ²/NDF:124.1/58
All: -293.009+/-104.779 χ²/NDF: 202.3/111


asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1568.294+/-0.271 χ²/NDF: 2834490.1/29
Left Out: 683.698+/-0.112 χ²/NDF:1297969.4/24
Right Out: 1637.528+/-0.278 χ²/NDF: 3149479.2/33
Left In: 681.961+/-0.115 χ²/NDF:1186135.0/22
Left: 682.852+/-0.080 χ²/NDF: 2484221.6/47
Right: 1601.995+/-0.194 χ²/NDF: 6015780.8/63
In: 817.042+/-0.106 χ²/NDF:13098759.5/52
Out: 816.728+/-0.104 χ²/NDF:14570953.8/58
All: 816.882+/-0.074 χ²/NDF: 27669717.9/11



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

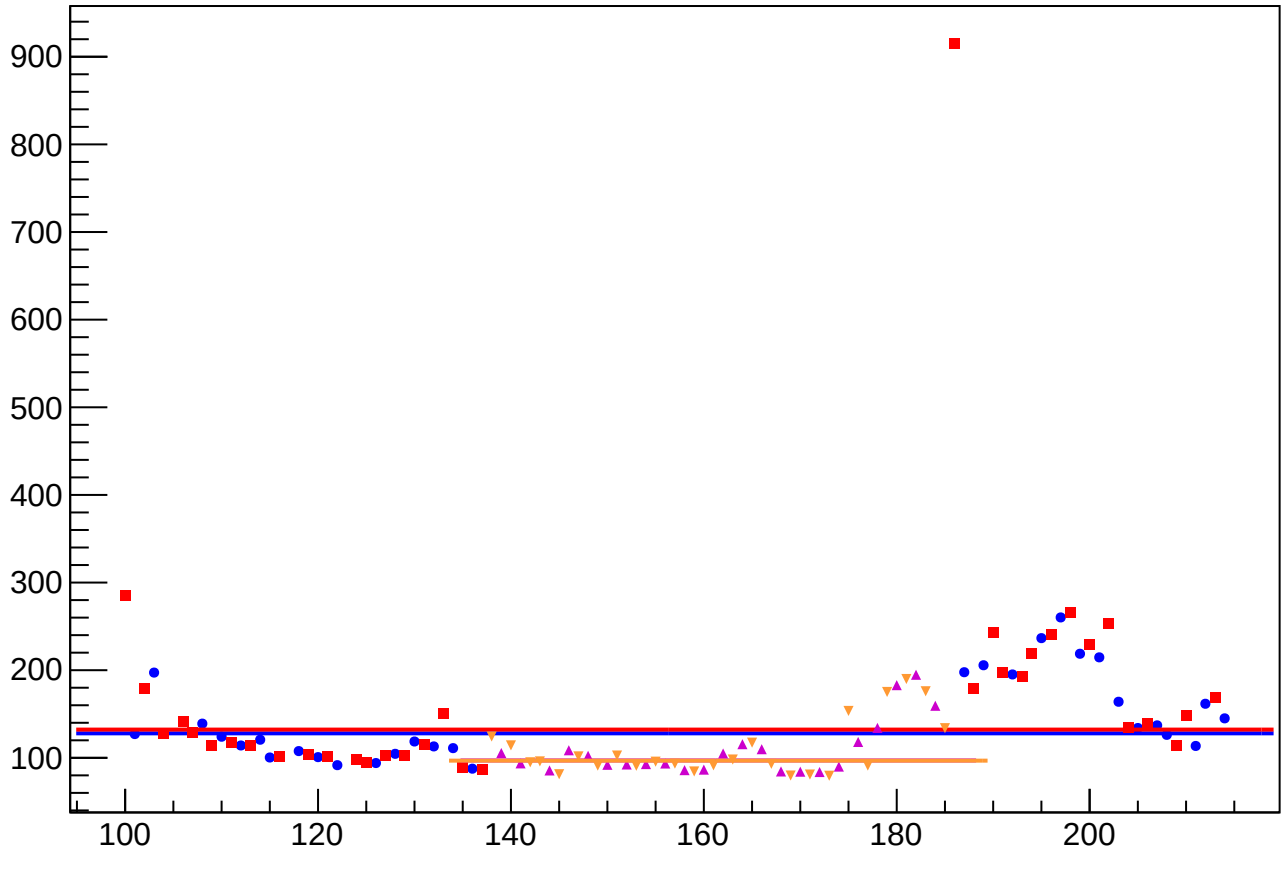
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -8.623+/-22.676 χ^2/NDF: 84.5/63

In: 41.497+/-18.860 χ^2/NDF:69.5/52

Out: 20.175+/-18.709 χ^2/NDF:75.0/58

All: 30.751+/-13.282 χ^2/NDF: 145.2/111



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

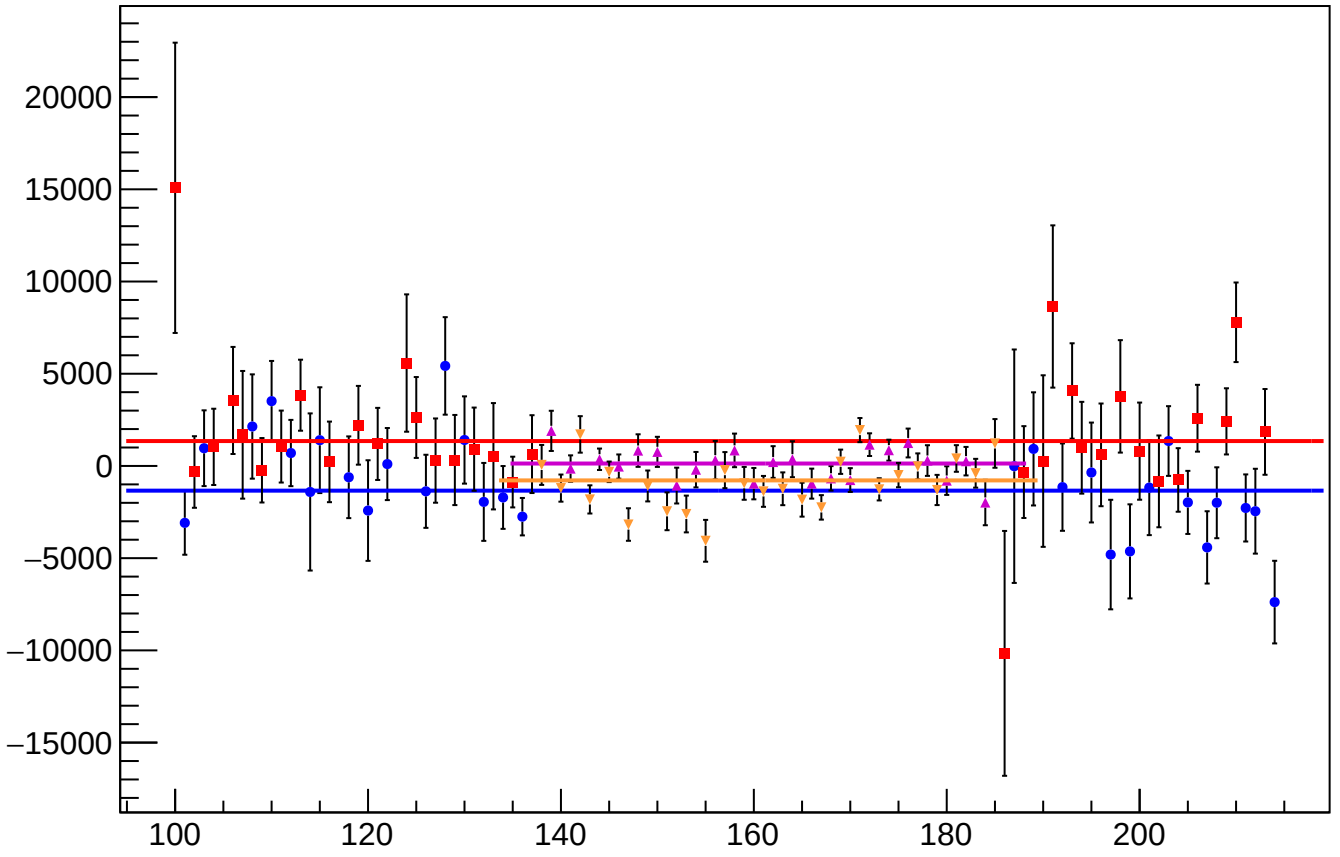
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 130.025+/-0.016 χ^2/NDF: 6979660.7/63

In: 108.045+/-0.013 χ^2/NDF:5498614.1/52

Out: 108.486+/-0.013 χ^2/NDF:7325296.1/58

All: 108.267+/-0.009 χ^2/NDF: 12824462.3/11



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

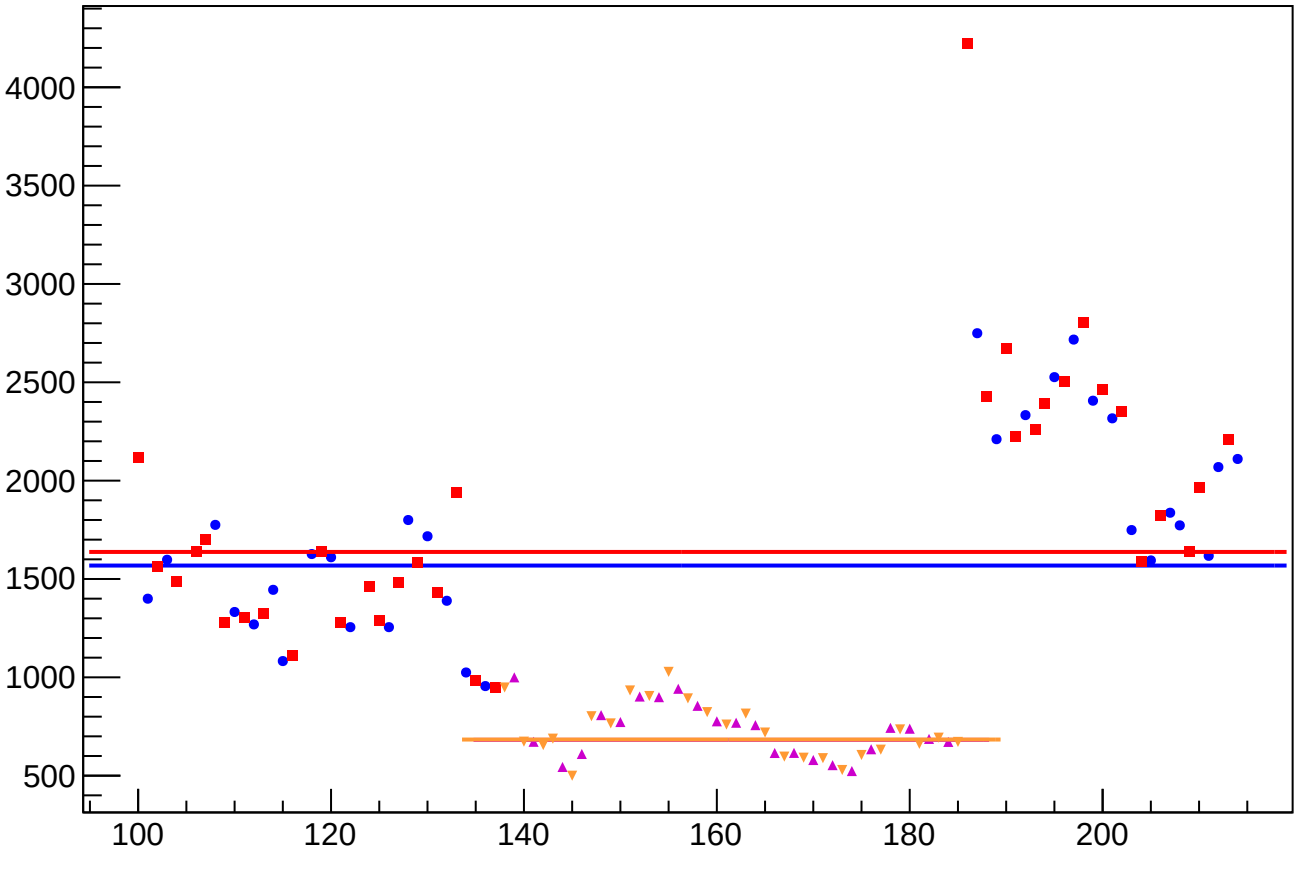
Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

Right: -30.466+/-274.387 χ^2/NDF: 94.4/63

In: -92.764+/-149.522 χ^2/NDF:74.8/52

Out: -486.222+/-146.873 χ^2/NDF:124.1/58

All: -293.009+/-104.779 χ^2/NDF: 202.3/111



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

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

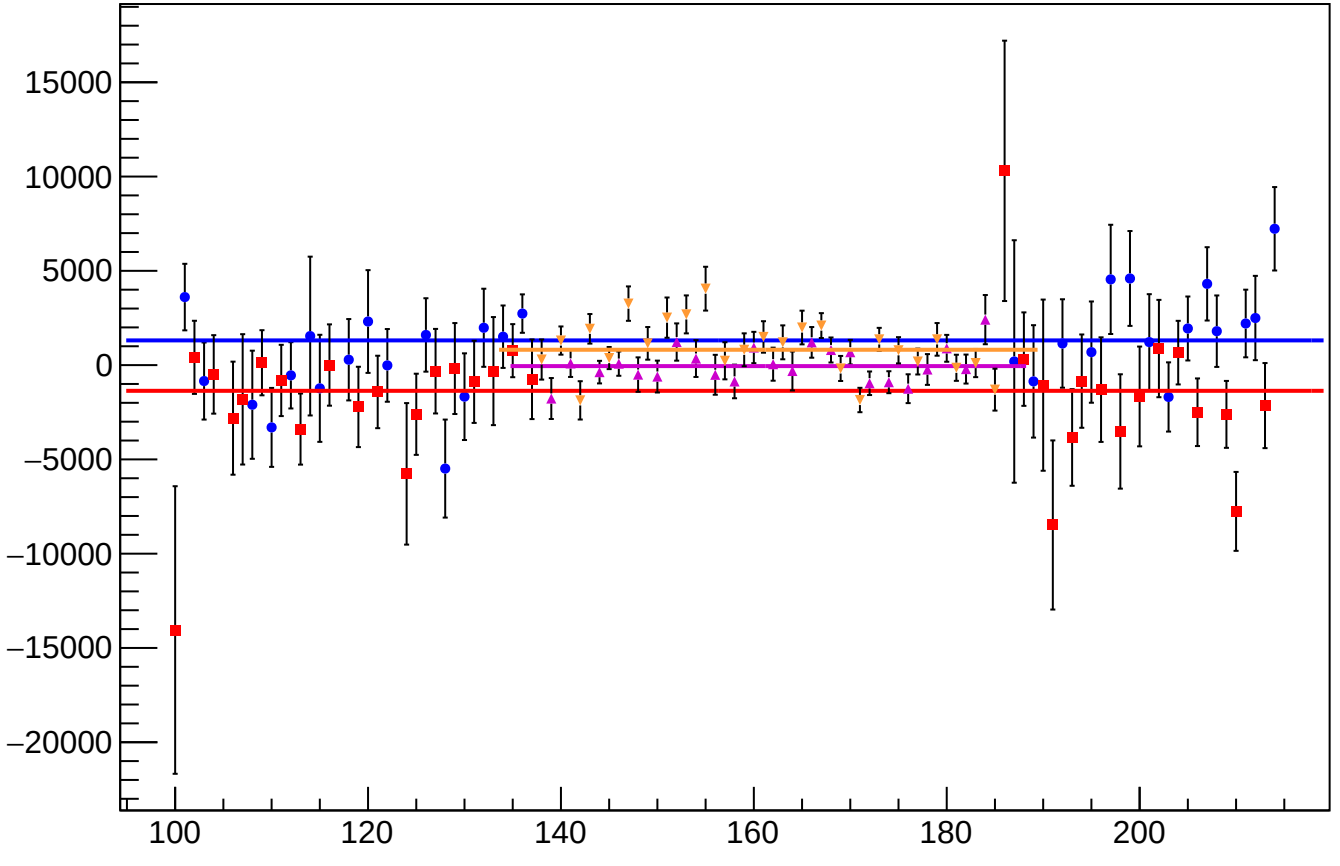
Right: 1601.992+/-0.194 χ^2/NDF: 6015801.3/63

In: 817.040+/-0.106 χ^2/NDF:13098776.1/52

Out: 816.726+/-0.104 χ^2/NDF:14570976.9/58

All: 816.880+/-0.074 χ^2/NDF: 27669757.5/1

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

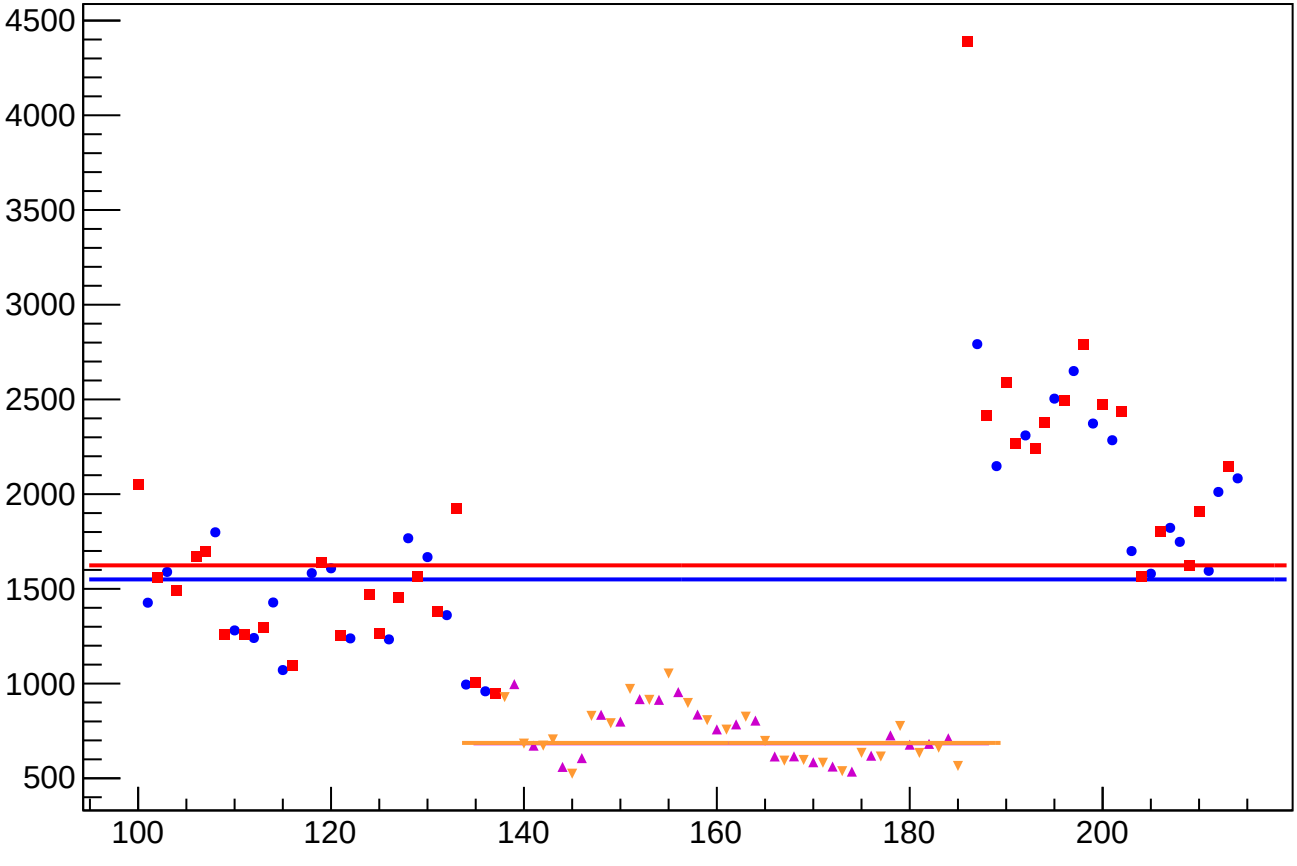
Right: 15.227+/-271.642 χ^2/NDF: 94.3/63

In: 161.175+/-149.724 χ^2/NDF:75.3/52

Out: 503.259+/-147.452 χ^2/NDF:123.6/58

All: 334.833+/-105.059 χ^2/NDF: 201.6/111

asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

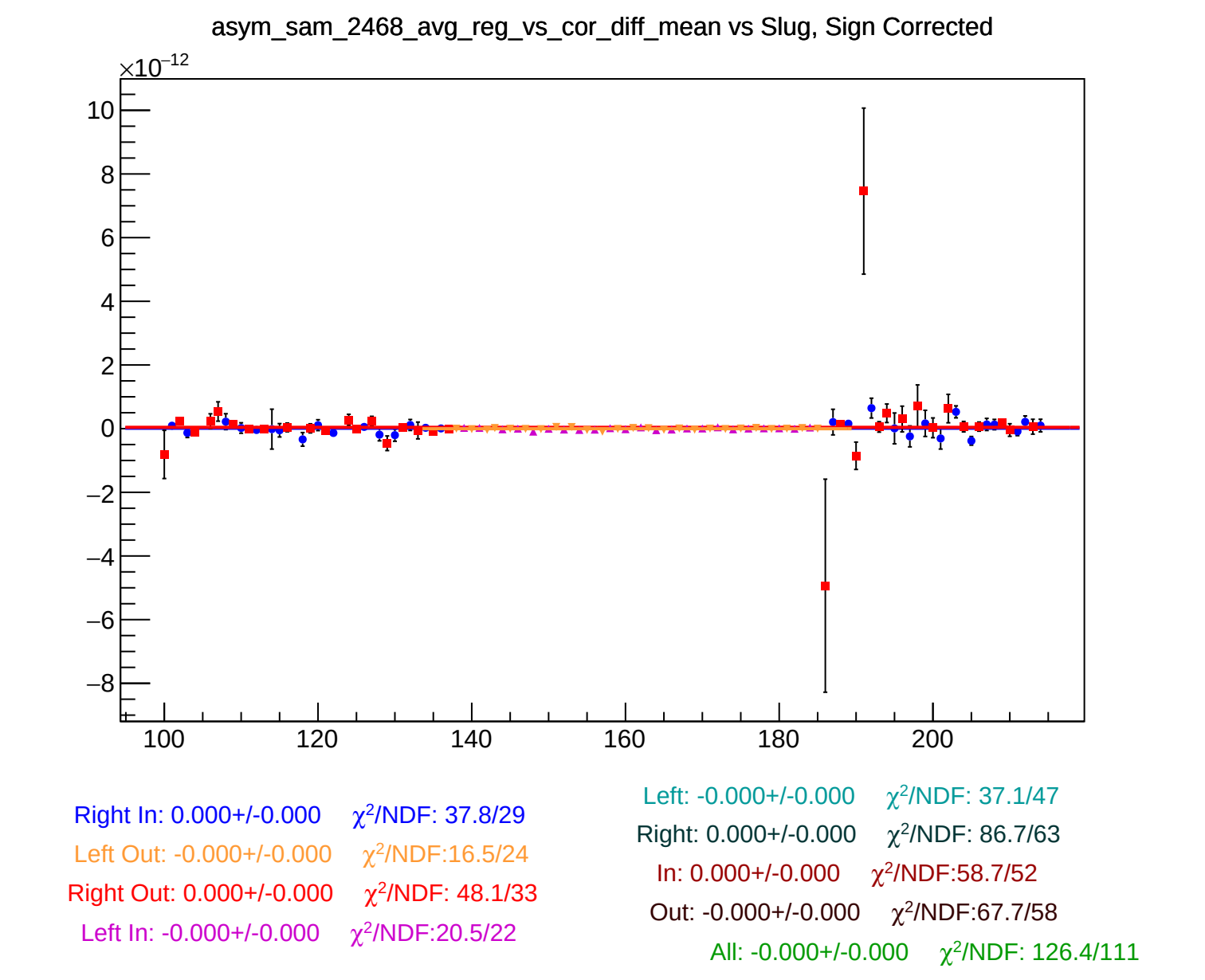
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

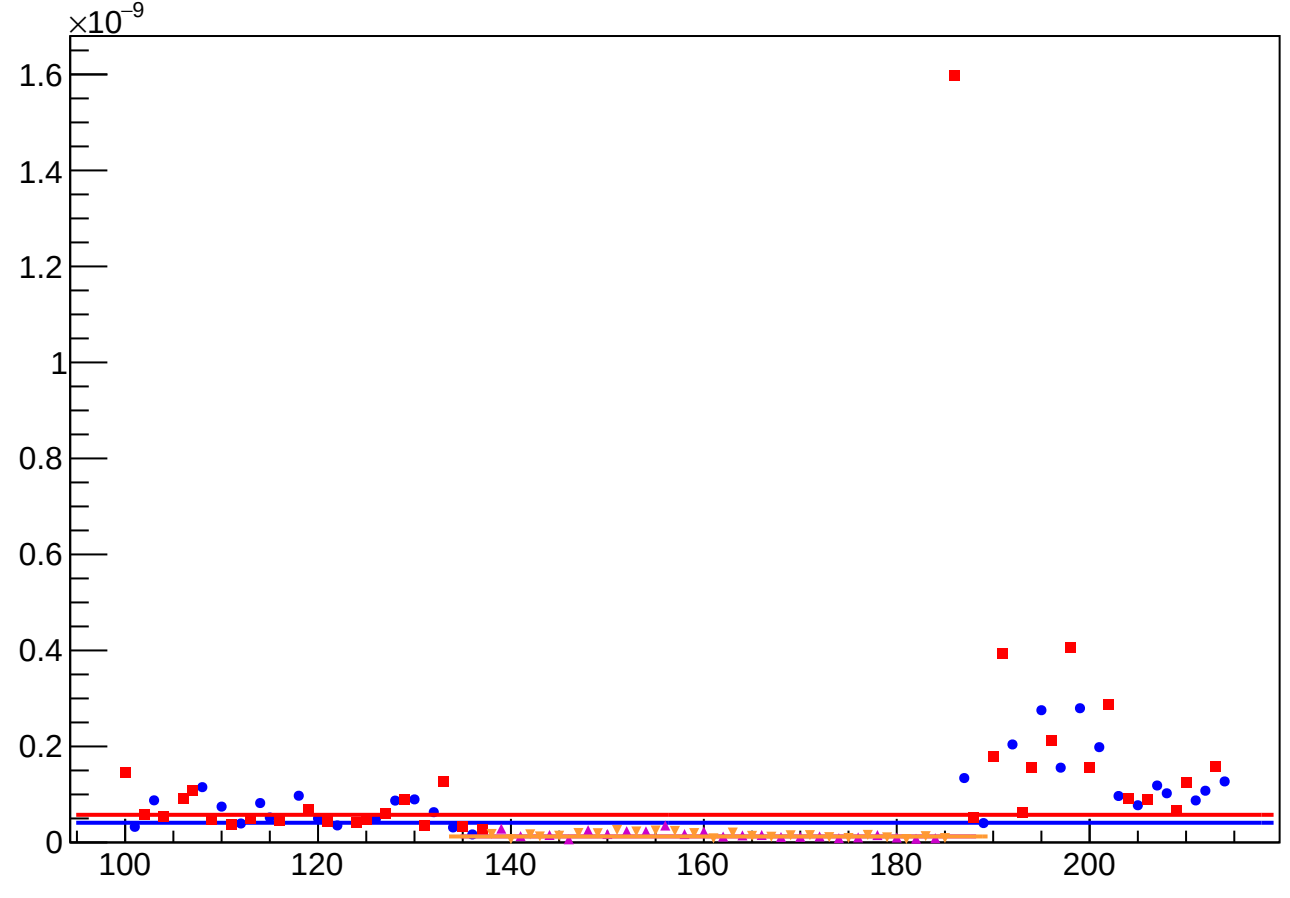
Right: 1585.754+/-0.192 χ^2/NDF: 5984272.9/63

In: 820.254+/-0.106 χ^2/NDF:12767427.7/52

Out: 820.493+/-0.104 χ^2/NDF:14364925.4/58

All: 820.375+/-0.074 χ^2/NDF: 27132355.7/1


asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 37.8/29
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 48.1/33
Left In: -0.000+/-0.000 χ²/NDF:20.5/22
Left: -0.000+/-0.000 χ²/NDF: 37.1/47
Right: 0.000+/-0.000 χ²/NDF: 86.7/63
In: 0.000+/-0.000 χ²/NDF:58.7/52
Out: -0.000+/-0.000 χ²/NDF:67.7/58
All: -0.000+/-0.000 χ²/NDF: 126.4/111



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

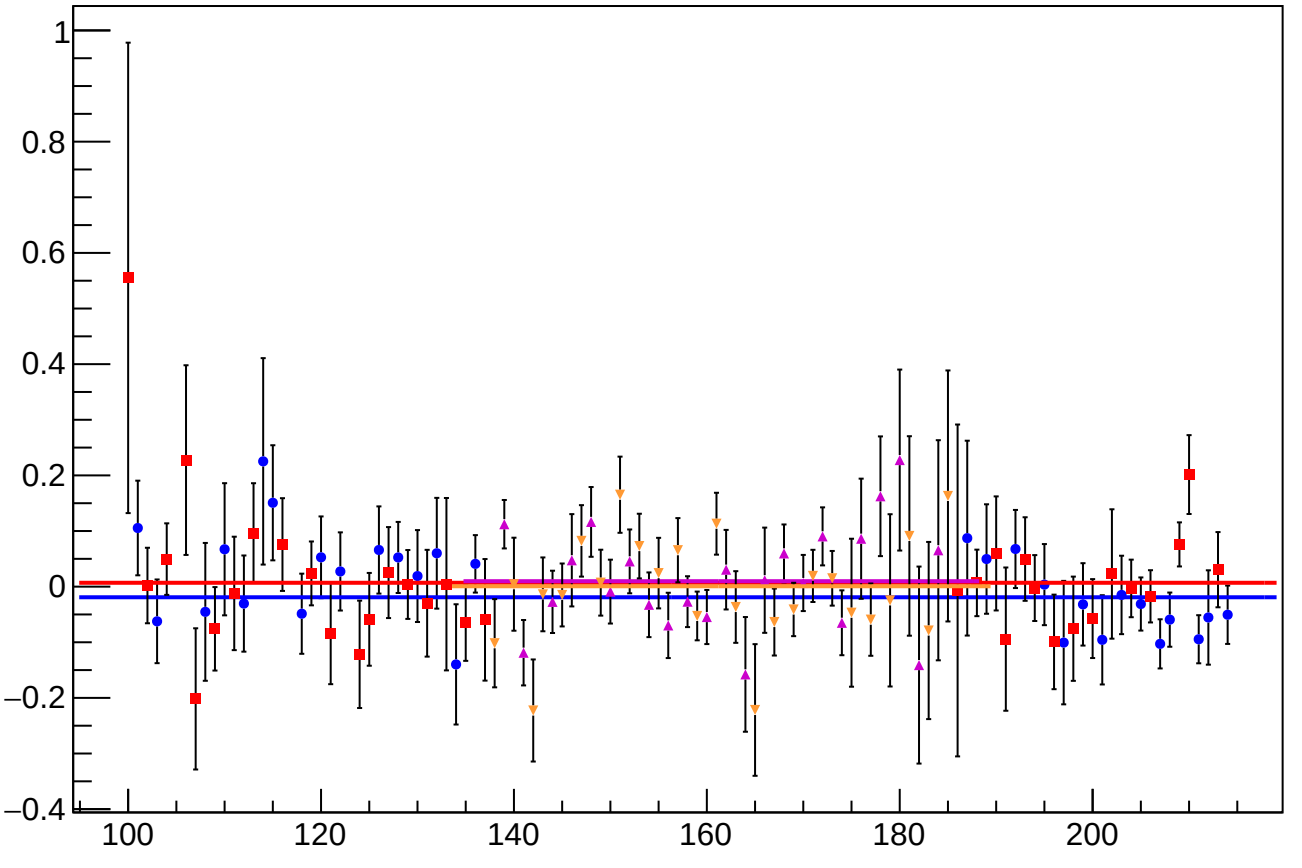
Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11411613.6/63

In: 0.000+/-0.000 χ^2/NDF:12404319.6/52

Out: 0.000+/-0.000 χ^2/NDF:12285046.4/58

All: 0.000+/-0.000 χ^2/NDF: 24690685.3/111



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

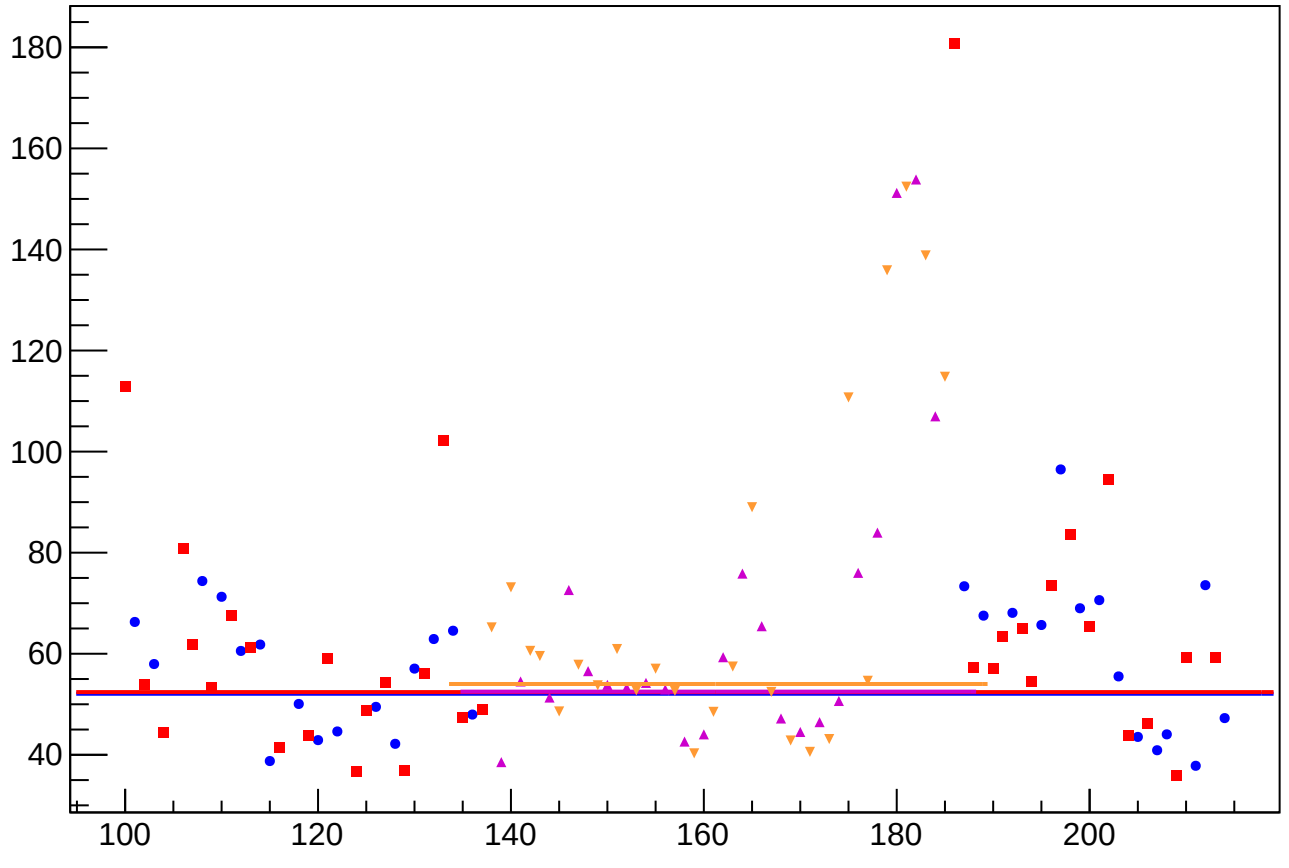
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: -0.006+/-0.009 χ^2/NDF: 58.8/63

In: -0.005+/-0.009 χ^2/NDF:61.2/52

Out: 0.004+/-0.009 χ^2/NDF:61.8/58

All: -0.001+/-0.007 χ^2/NDF: 123.4/111



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

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

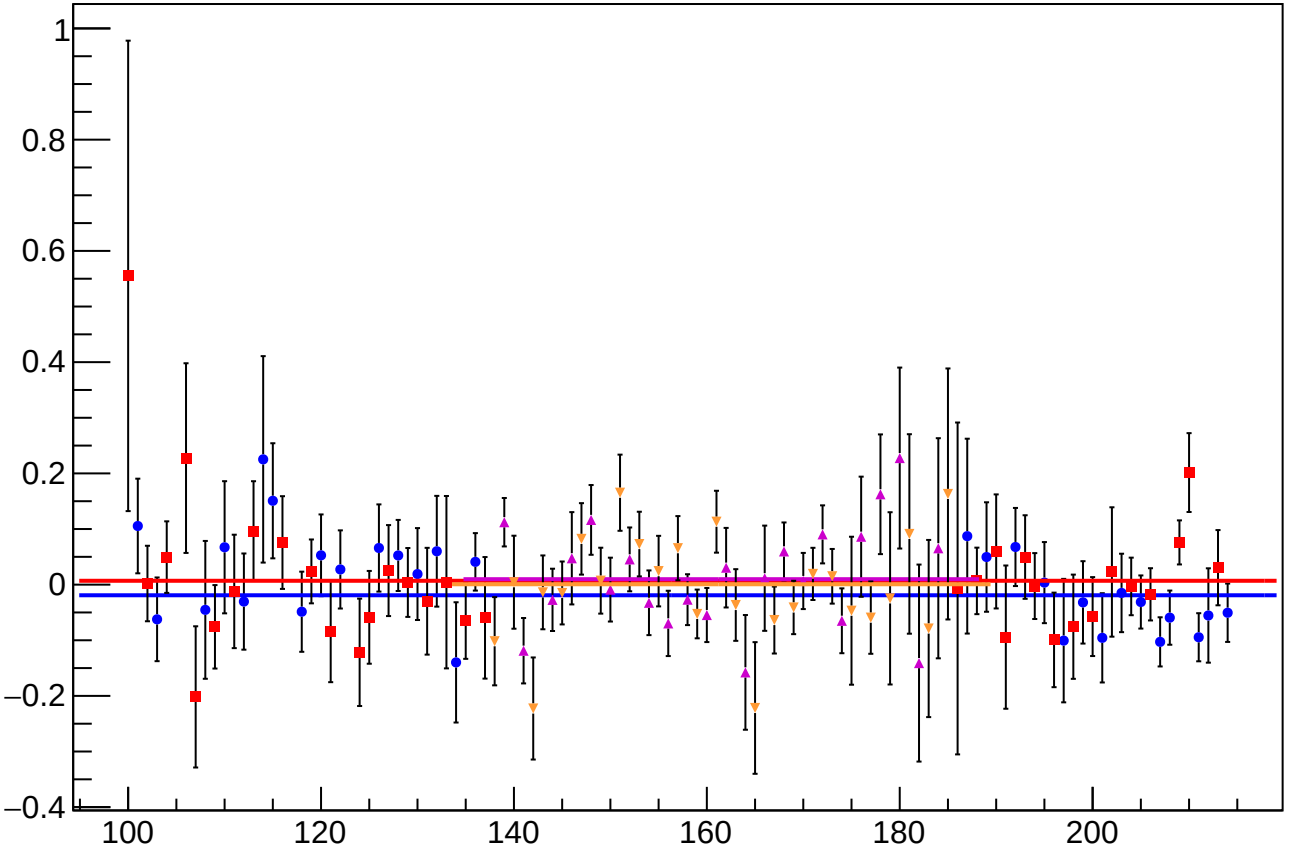
Right: 52.247+/-0.006 χ^2/NDF: 4125271.9/63

In: 52.288+/-0.007 χ^2/NDF:4374346.4/52

Out: 53.196+/-0.007 χ^2/NDF:5551577.5/58

All: 52.742+/-0.005 χ^2/NDF: 9935539.5/111

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

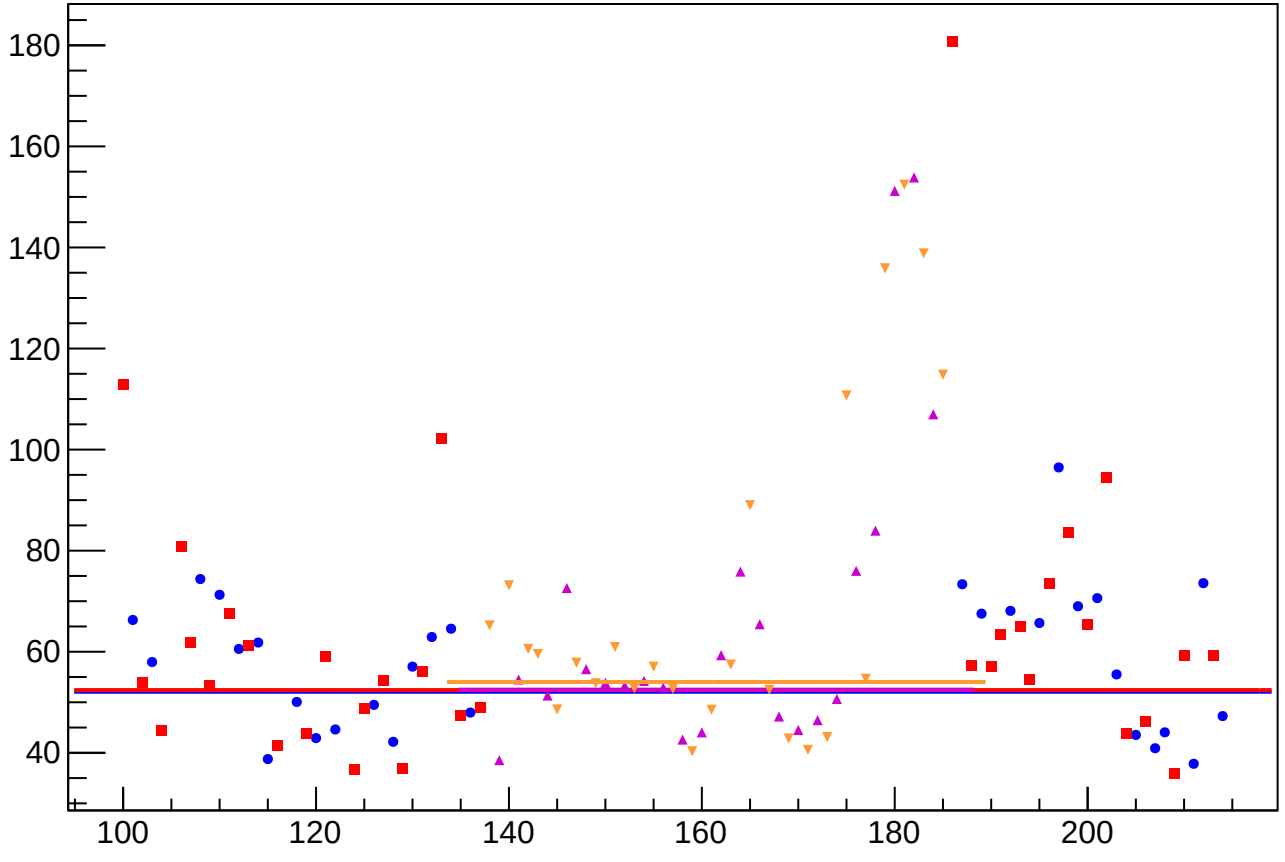
Right: -0.006+/-0.009 χ^2/NDF: 58.8/63

In: -0.005+/-0.009 χ^2/NDF:61.2/52

Out: 0.004+/-0.009 χ^2/NDF:61.8/58

All: -0.001+/-0.007 χ^2/NDF: 123.4/111

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

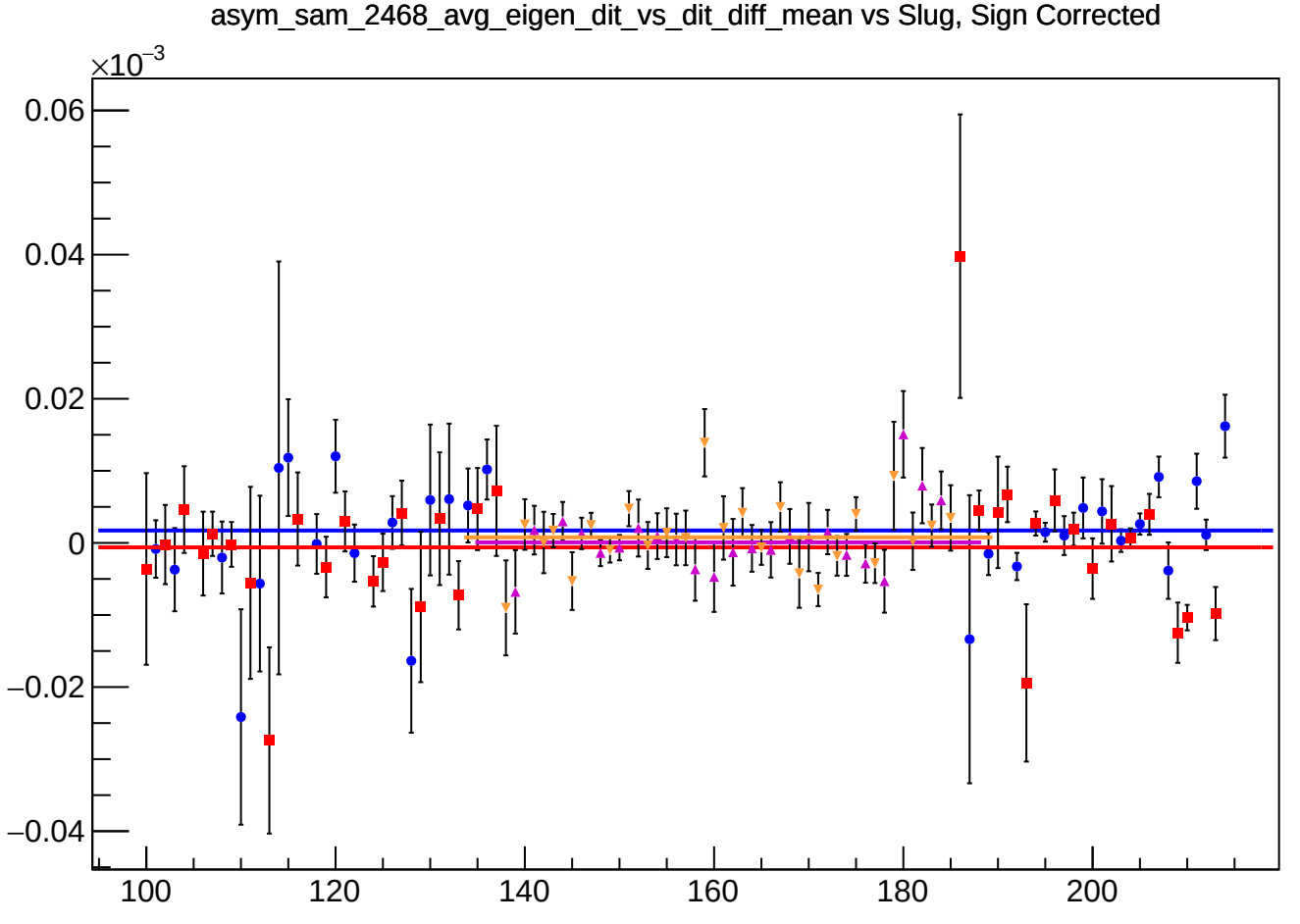
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 52.247+/-0.006 χ^2/NDF: 4125271.9/63

In: 52.288+/-0.007 χ^2/NDF:4374346.4/52

Out: 53.196+/-0.007 χ^2/NDF:5551577.5/58

All: 52.742+/-0.005 χ^2/NDF: 9935539.5/111



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

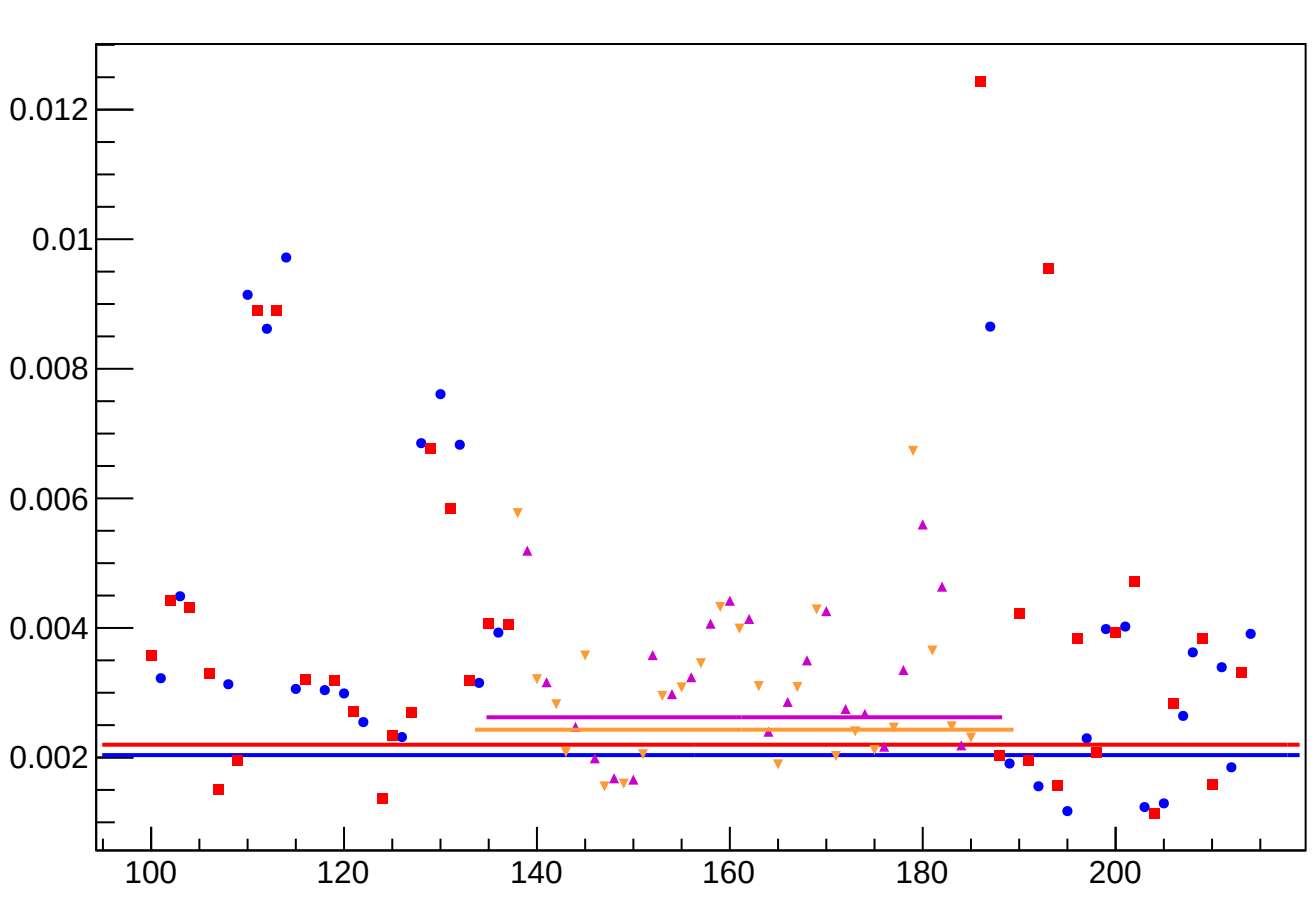
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 148.5/63

In: 0.000+/-0.000 χ^2/NDF:78.1/52

Out: 0.000+/-0.000 χ^2/NDF:127.0/58

All: 0.000+/-0.000 χ^2/NDF: 207.5/111



Right In: 0.002+/-0.000 χ^2/NDF: 8187974.6/29

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8361405.8/33

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

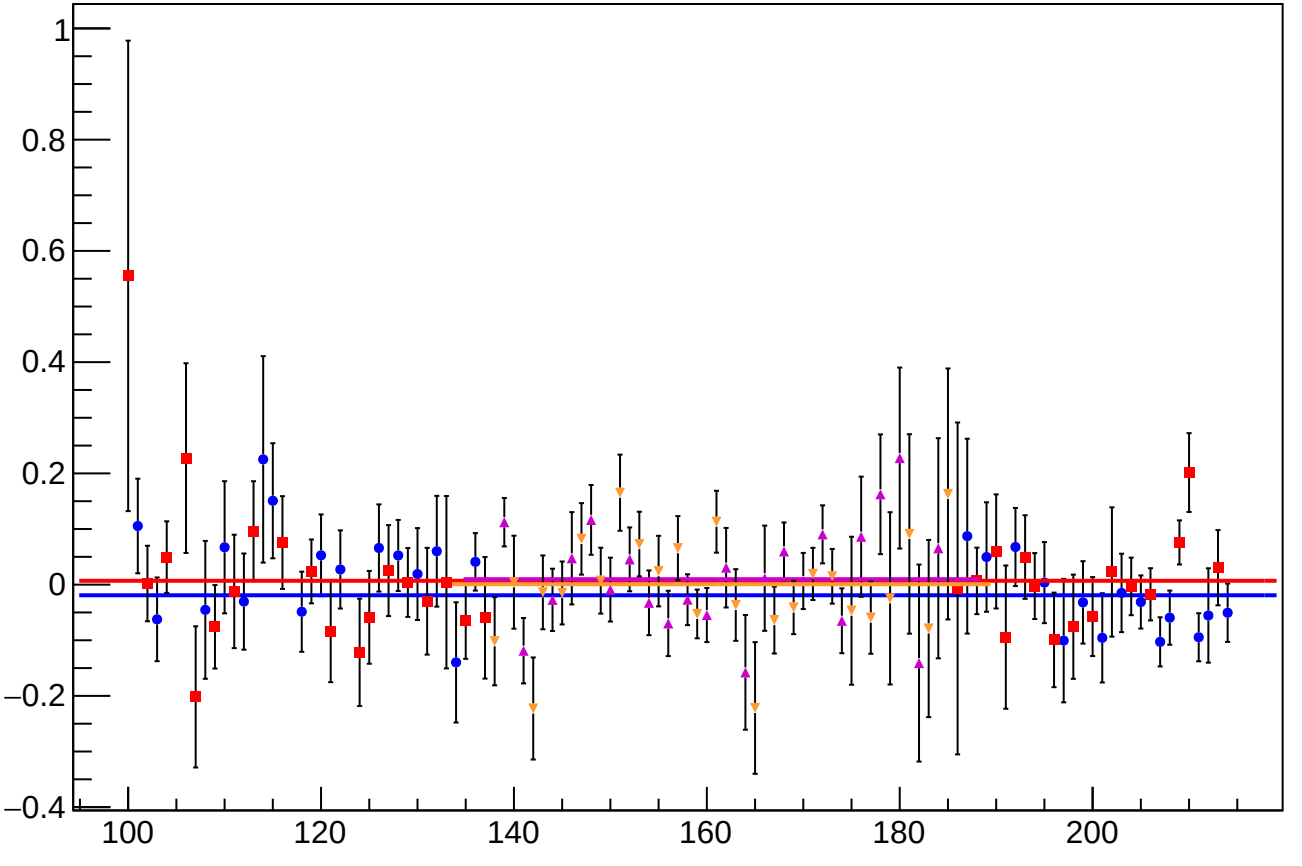
Right: 0.002+/-0.000 χ^2/NDF: 16625774.6/63

In: 0.002+/-0.000 χ^2/NDF:13046483.5/52

Out: 0.002+/-0.000 χ^2/NDF:12733030.7/58

All: 0.002+/-0.000 χ^2/NDF: 25784901.6/111

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

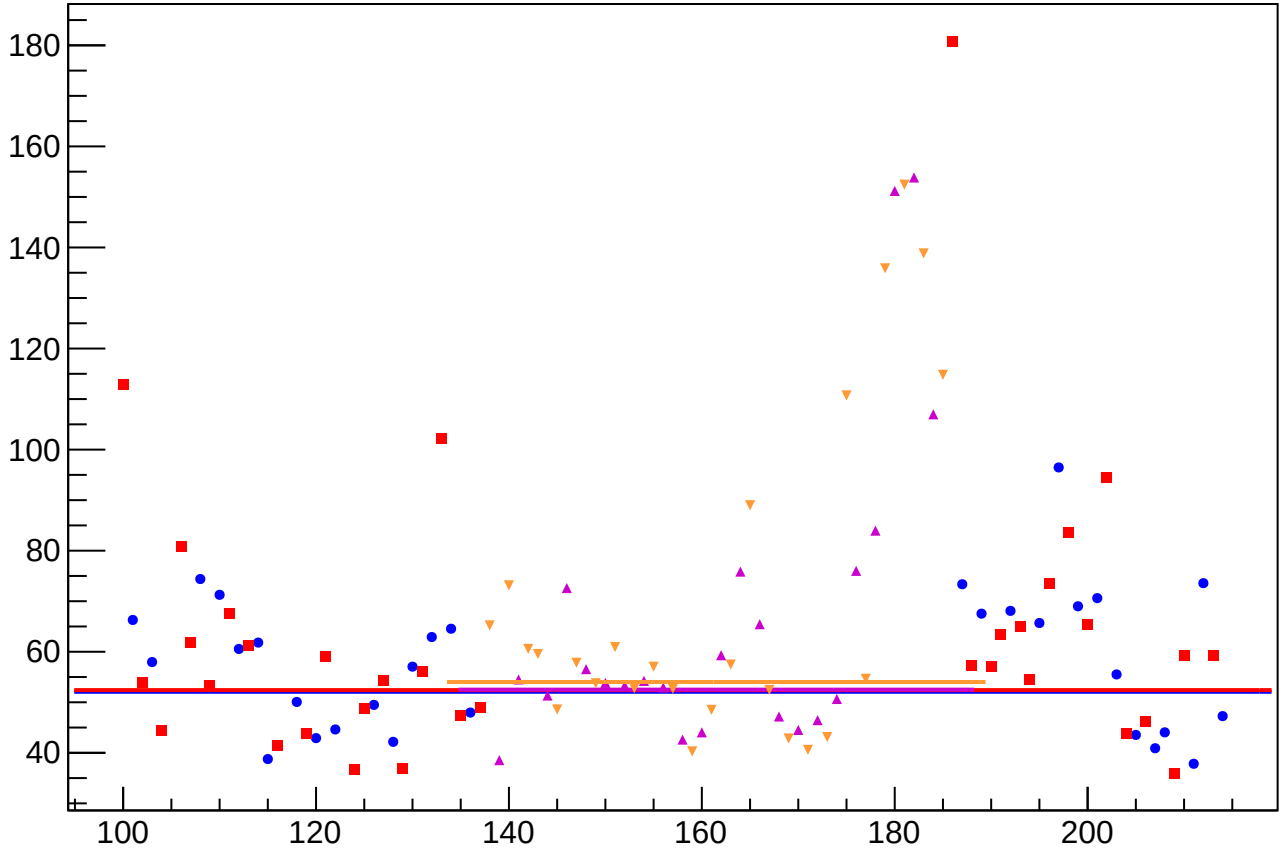
Right: -0.006+/-0.009 χ^2/NDF: 58.8/63

In: -0.005+/-0.009 χ^2/NDF:61.2/52

Out: 0.004+/-0.009 χ^2/NDF:61.8/58

All: -0.001+/-0.007 χ^2/NDF: 123.4/111

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

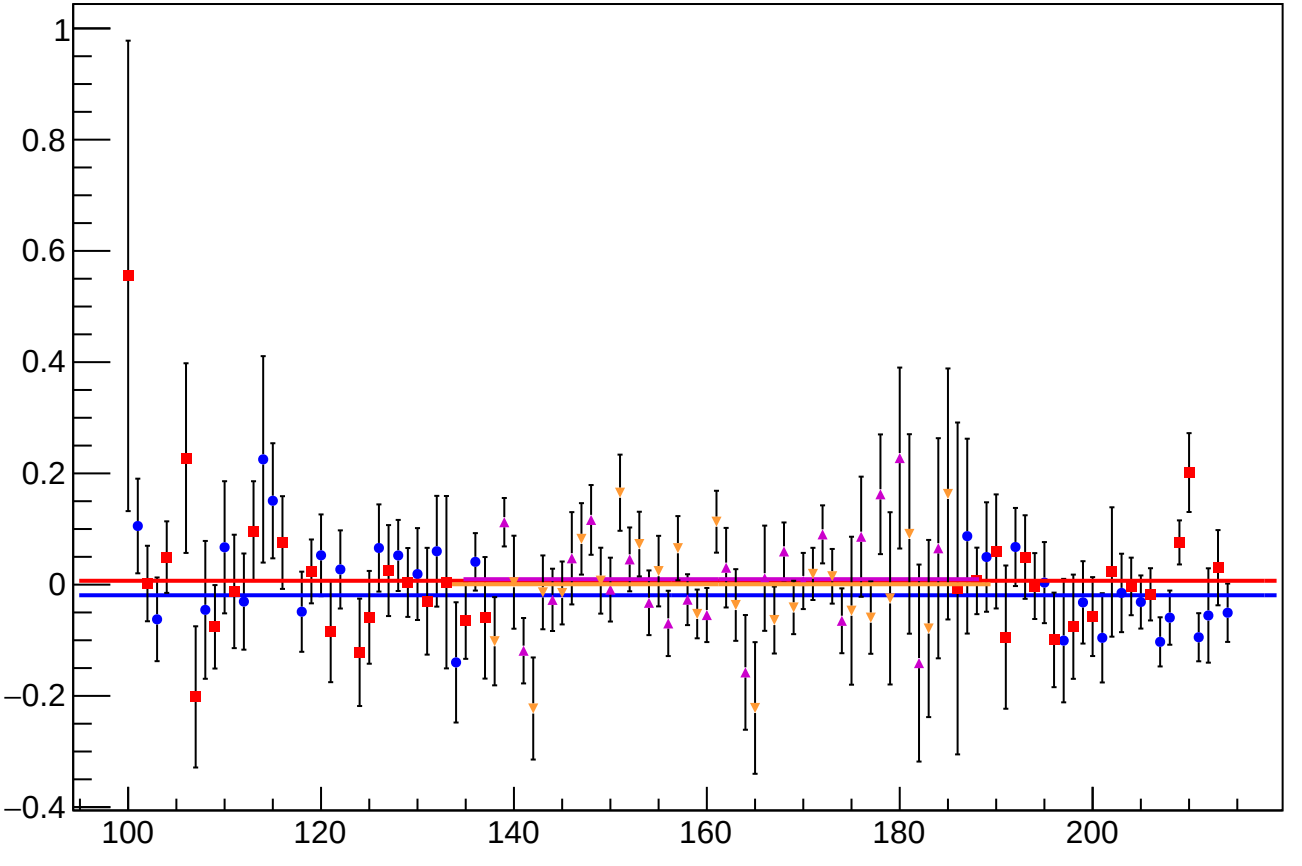
Right: 52.247+/-0.006 χ^2/NDF: 4125119.9/63

In: 52.288+/-0.007 χ^2/NDF:4374312.5/52

Out: 53.196+/-0.007 χ^2/NDF:5551535.3/58

All: 52.742+/-0.005 χ^2/NDF: 9935466.6/111

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

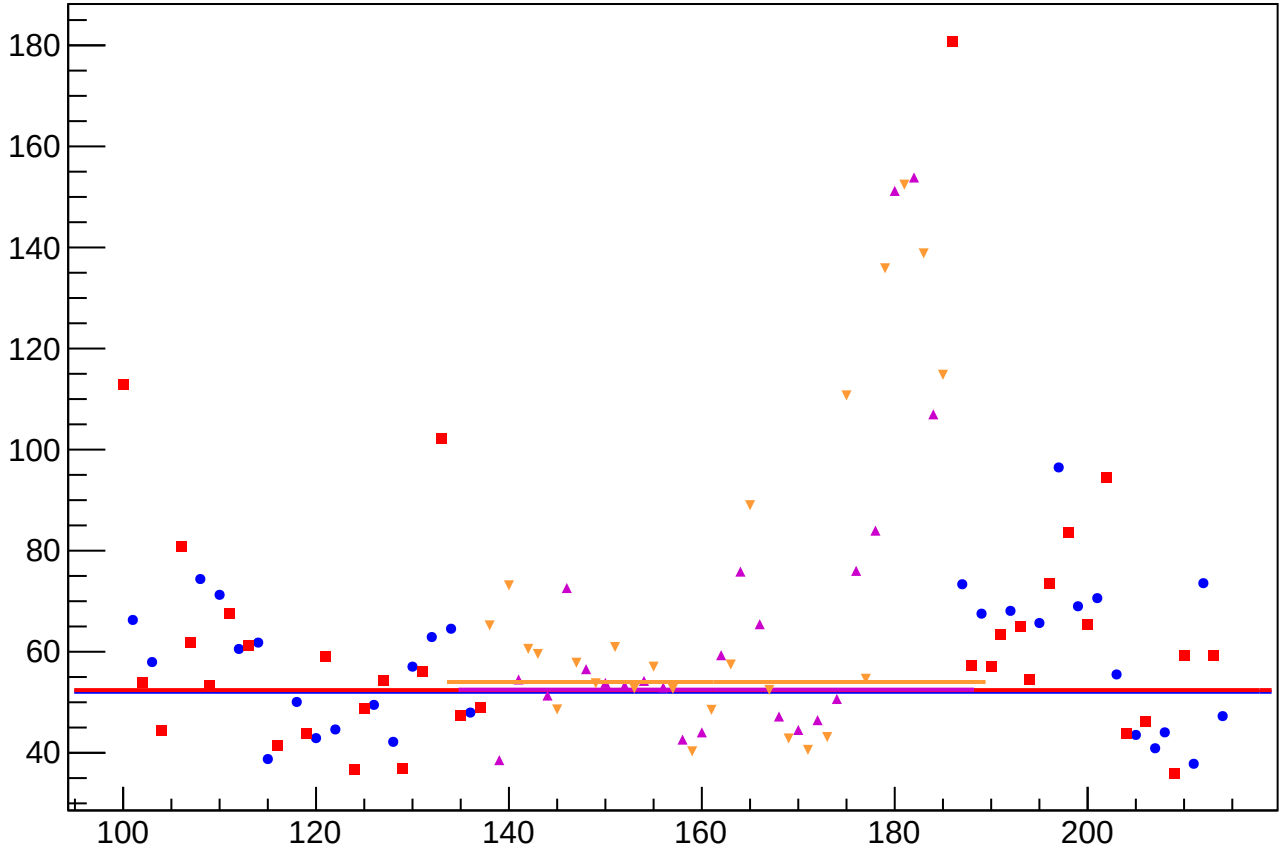
Right: -0.006+/-0.009 χ^2/NDF: 58.8/63

In: -0.005+/-0.009 χ^2/NDF:61.2/52

Out: 0.004+/-0.009 χ^2/NDF:61.8/58

All: -0.001+/-0.007 χ^2/NDF: 123.4/111

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

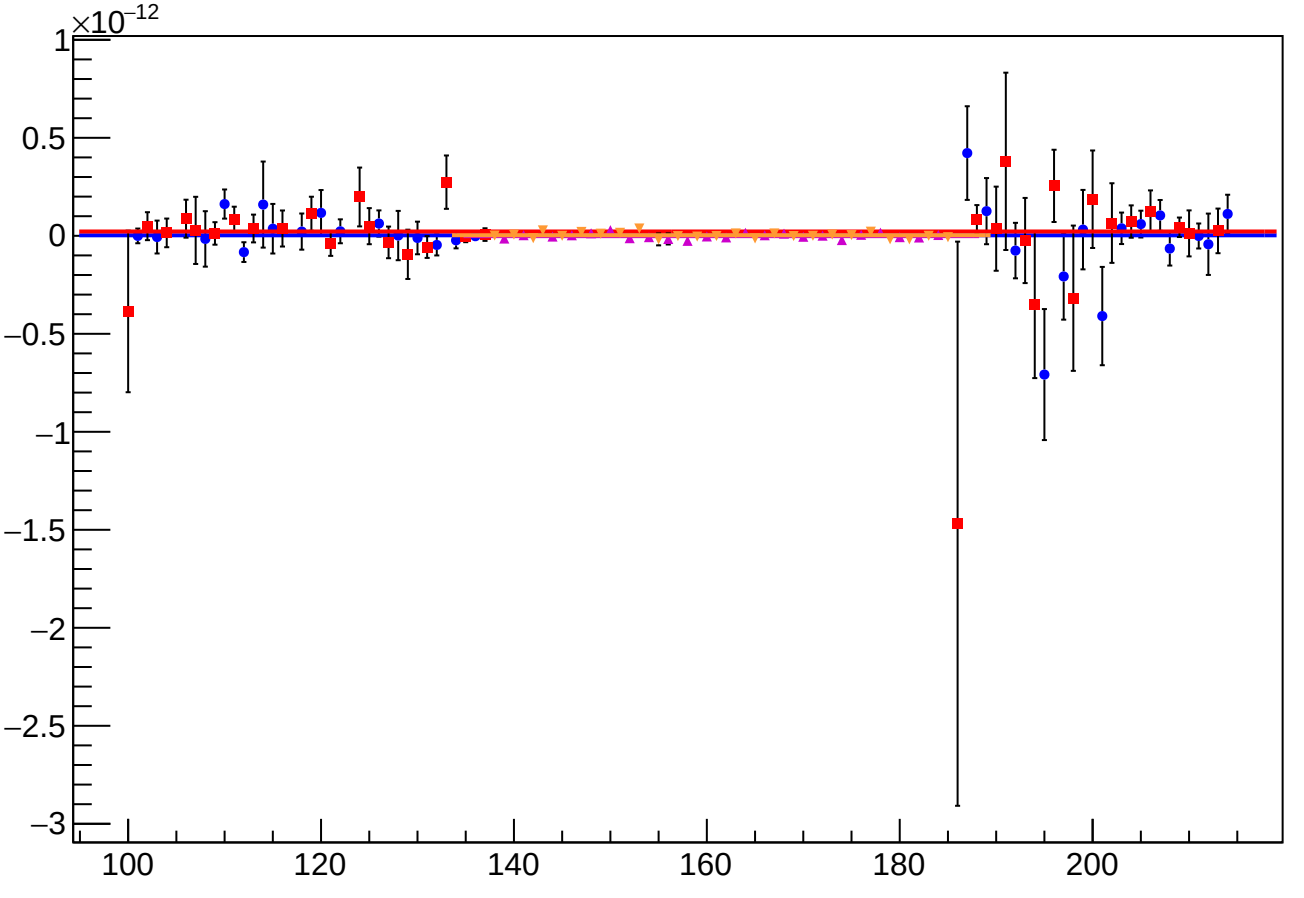
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 52.247+/-0.006 χ^2/NDF: 4125119.9/63

In: 52.288+/-0.007 χ^2/NDF:4374312.5/52

Out: 53.196+/-0.007 χ^2/NDF:5551535.3/58

All: 52.742+/-0.005 χ^2/NDF: 9935466.6/111



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

Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

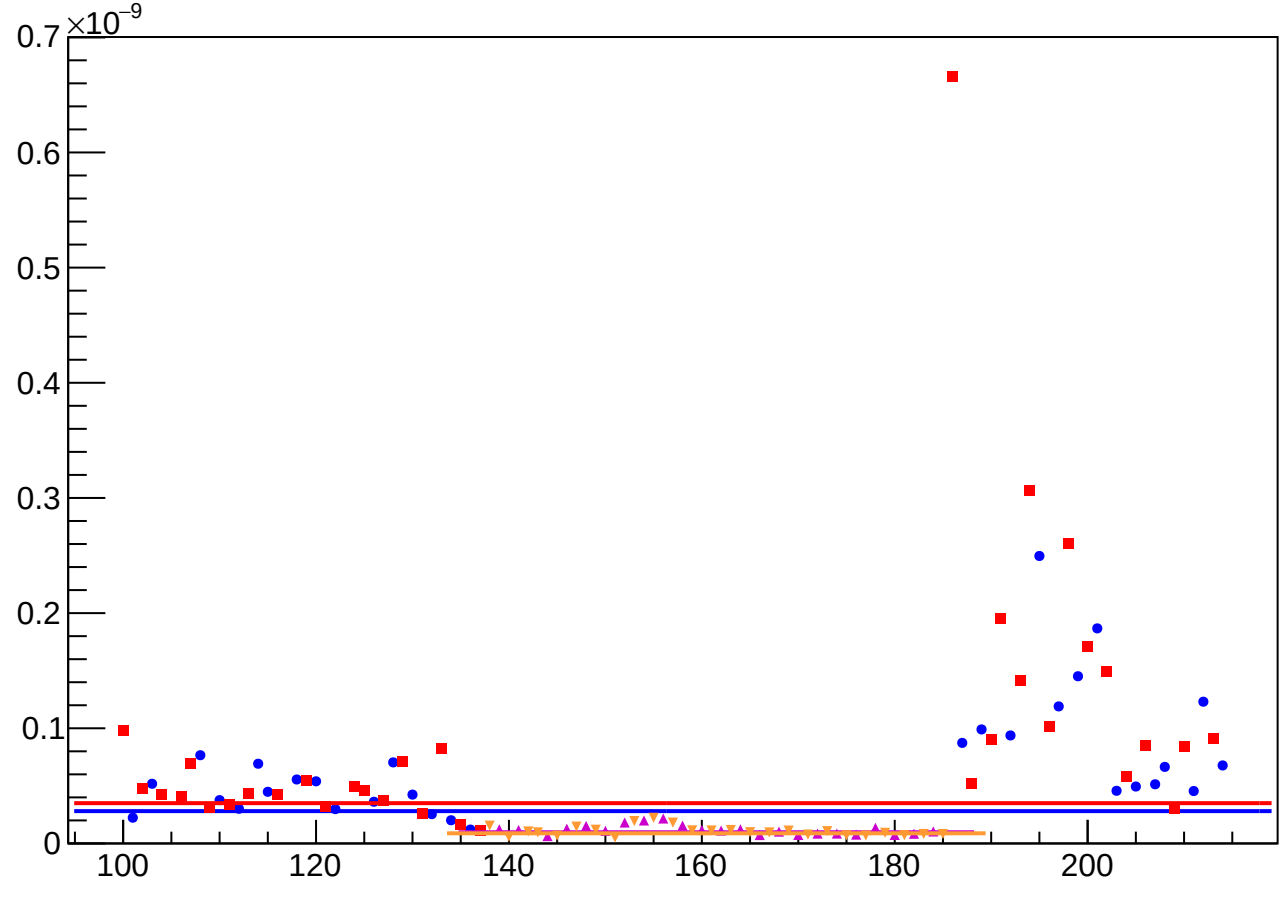
Right: 0.000+/-0.000 χ^2/NDF: 51.3/63

In: -0.000+/-0.000 χ^2/NDF:43.3/52

Out: 0.000+/-0.000 χ^2/NDF:46.0/58

All: 0.000+/-0.000 χ^2/NDF: 91.1/111

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

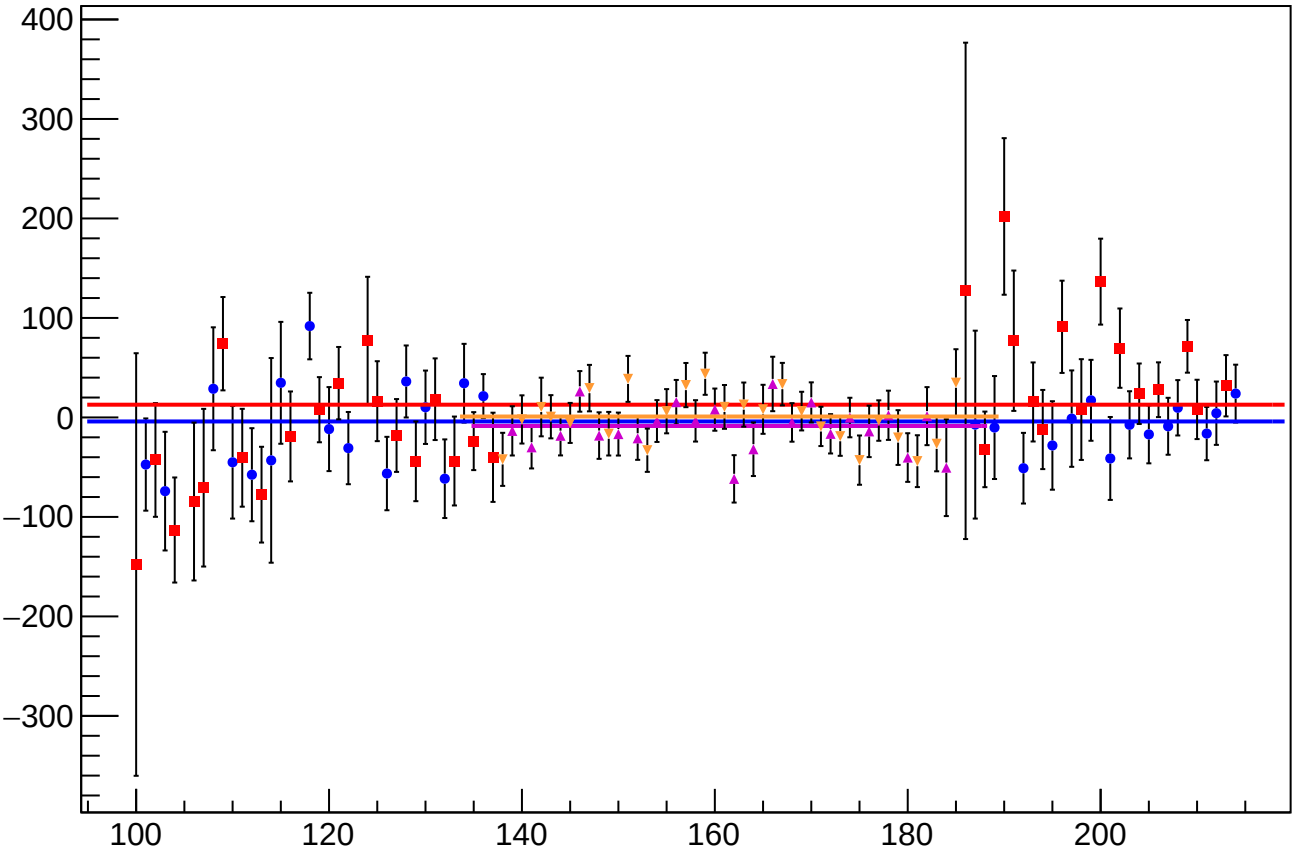
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 18039953.4/63

In: 0.000+/-0.000 χ^2/NDF:16243530.5/52

Out: 0.000+/-0.000 χ^2/NDF:19204767.3/58

All: 0.000+/-0.000 χ^2/NDF: 35602024.1/111



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

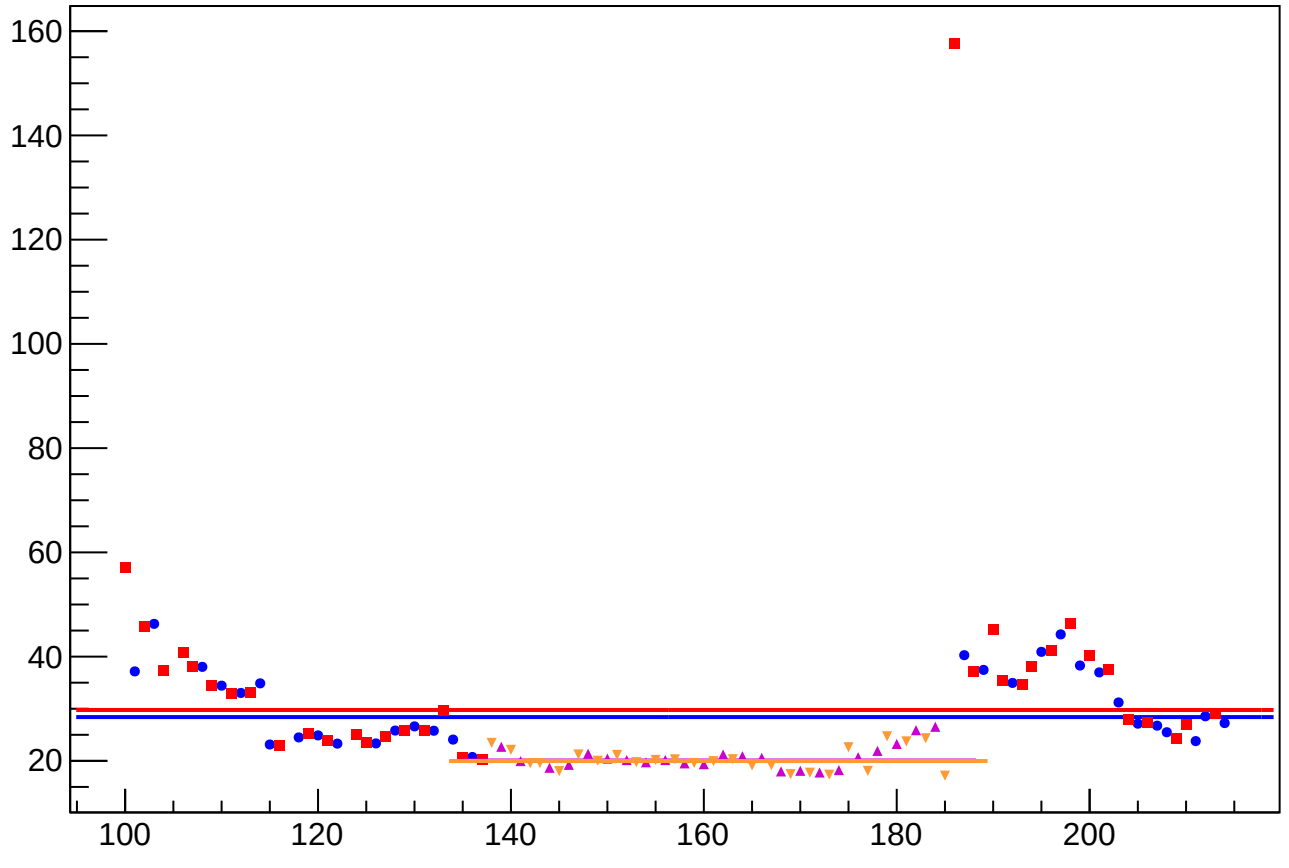
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: 4.057+/-4.922 χ^2/NDF: 82.2/63

In: -7.126+/-3.885 χ^2/NDF:46.0/52

Out: 4.404+/-3.845 χ^2/NDF:84.1/58

All: -1.301+/-2.733 χ^2/NDF: 134.6/111



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

Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

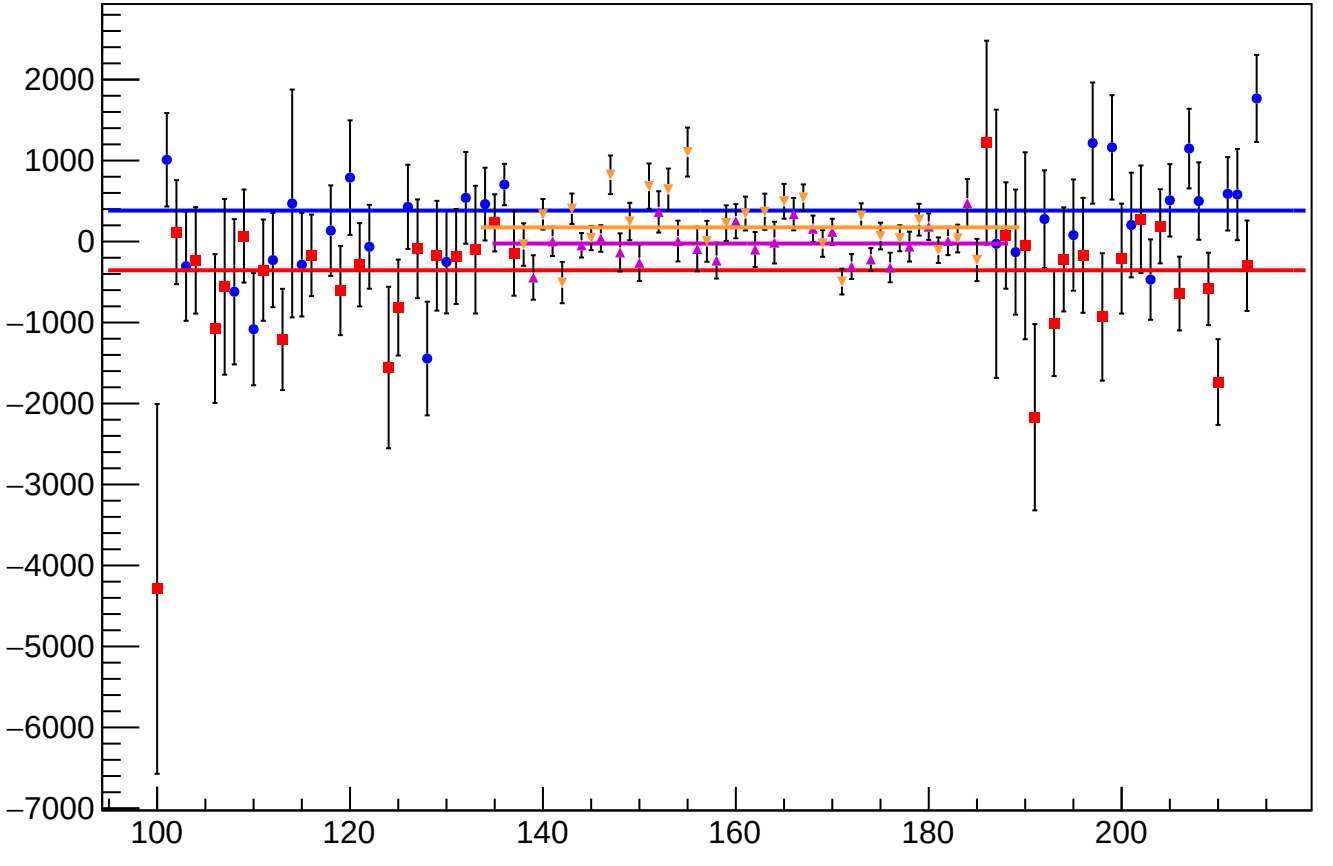
Right: 29.057+/-0.003 χ^2/NDF: 4004058.2/63

In: 22.766+/-0.003 χ^2/NDF:3927519.9/52

Out: 22.844+/-0.003 χ^2/NDF:5430478.5/58

All: 22.805+/-0.002 χ^2/NDF: 9358402.3/111

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



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

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

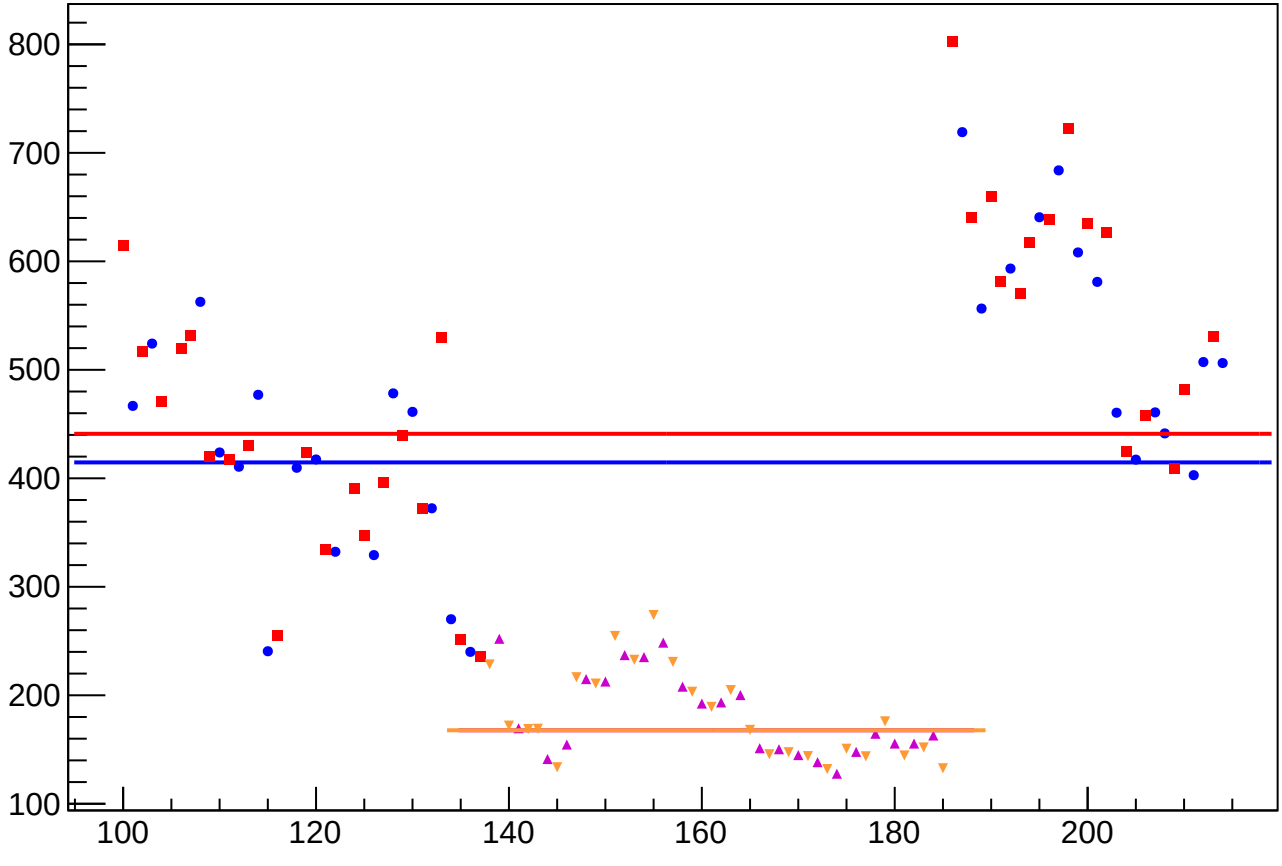
Right: 29.116+/-73.091 χ^2/NDF: 90.7/63

In: 30.509+/-37.260 χ^2/NDF:77.7/52

Out: 110.968+/-36.625 χ^2/NDF:121.8/58

All: 71.429+/-26.119 χ^2/NDF: 201.9/111

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



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

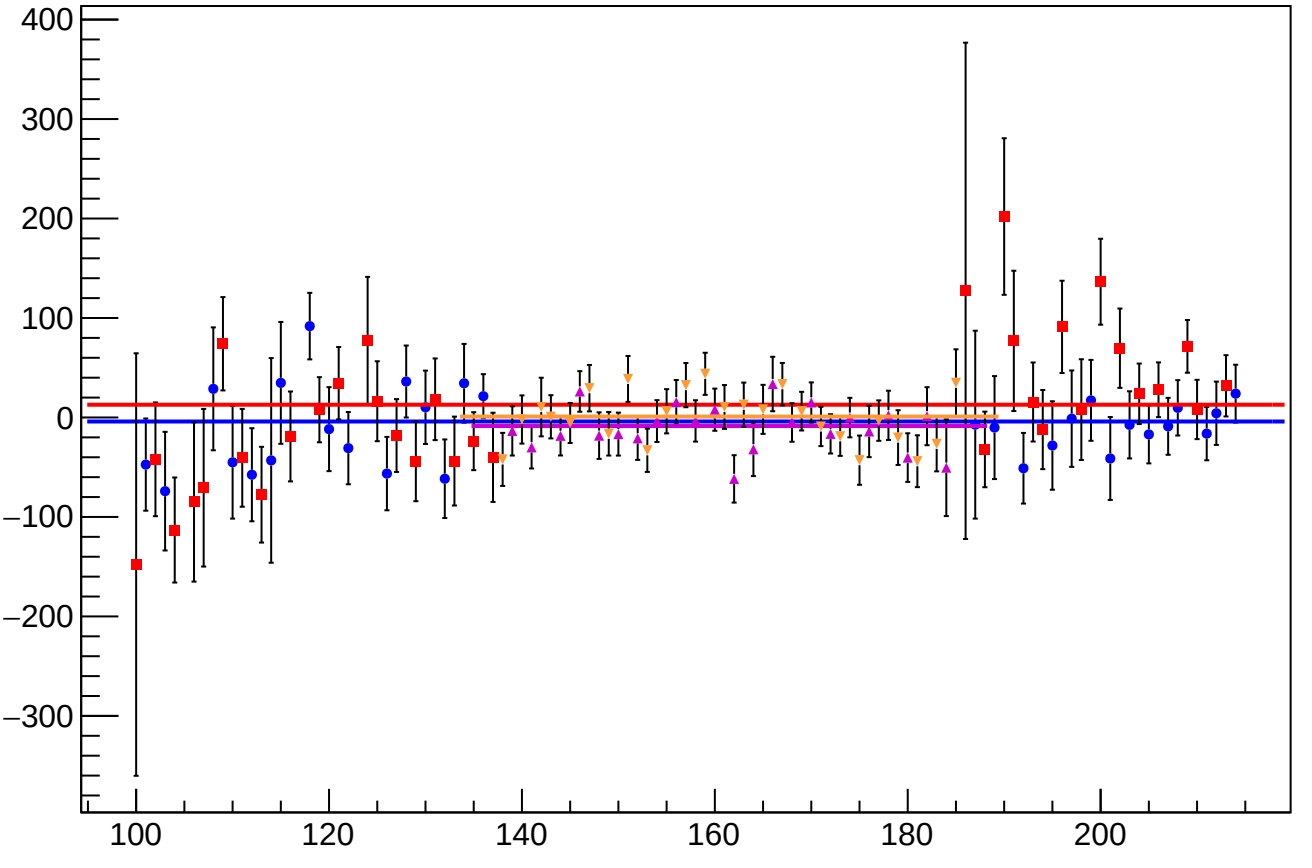
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 427.296+/-0.052 χ^2/NDF: 5811642.8/63

In: 201.173+/-0.026 χ^2/NDF:14498384.1/52

Out: 200.628+/-0.026 χ^2/NDF:16292960.8/58

All: 200.896+/-0.018 χ^2/NDF: 30791562.7/11



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

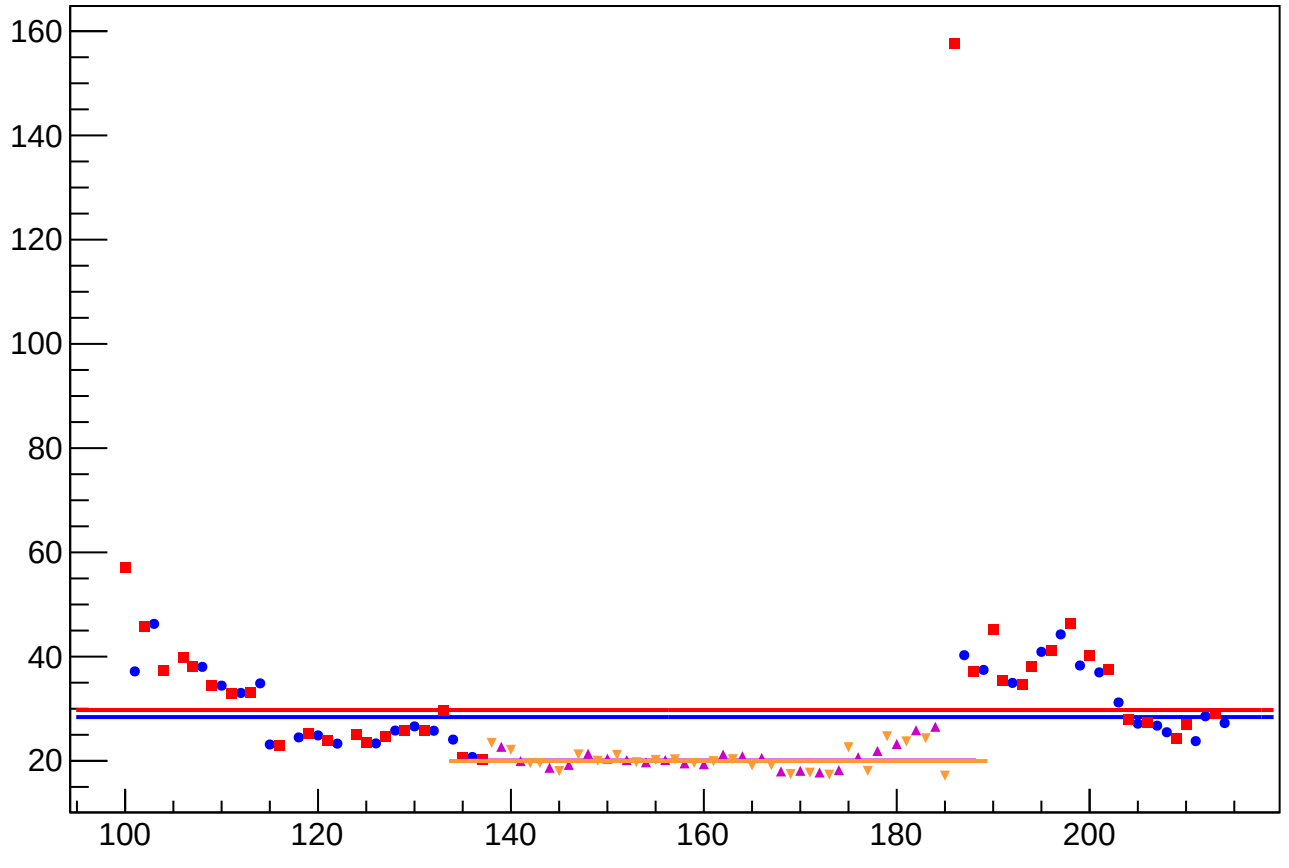
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 4.068+/-4.922 χ^2/NDF: 82.1/63

In: -7.126+/-3.885 χ^2/NDF:46.0/52

Out: 4.409+/-3.845 χ^2/NDF:84.1/58

All: -1.298+/-2.733 χ^2/NDF: 134.5/111



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

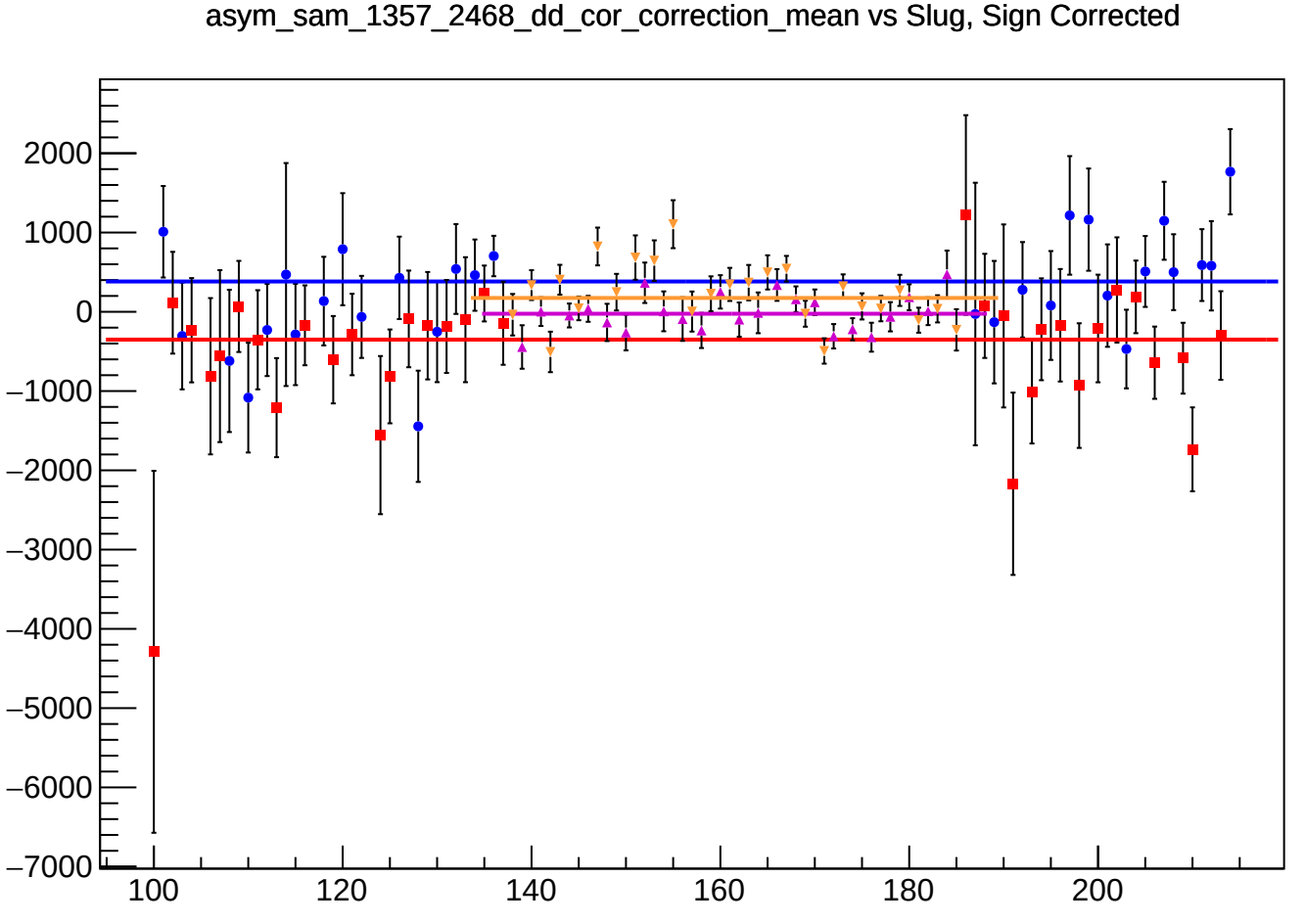
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.052+/-0.003 χ^2/NDF: 3995890.4/63

In: 22.766+/-0.003 χ^2/NDF:3927523.3/52

Out: 22.841+/-0.003 χ^2/NDF:5417049.6/58

All: 22.804+/-0.002 χ^2/NDF: 9344943.4/111



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

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

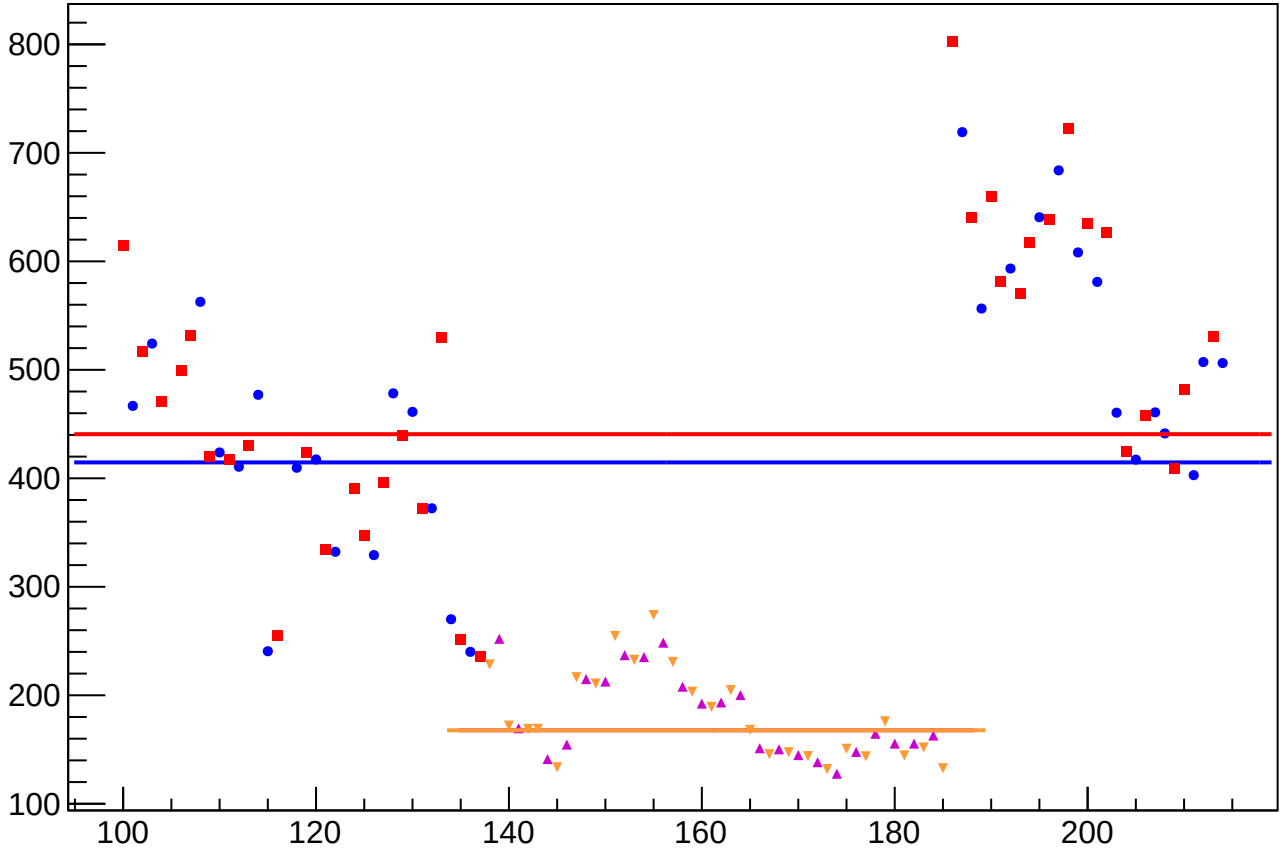
Right: 31.450+/-73.122 χ^2/NDF: 90.0/63

In: 30.508+/-37.260 χ^2/NDF:77.7/52

Out: 111.570+/-36.629 χ^2/NDF:121.0/58

All: 71.730+/-26.121 χ^2/NDF: 201.1/111

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



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

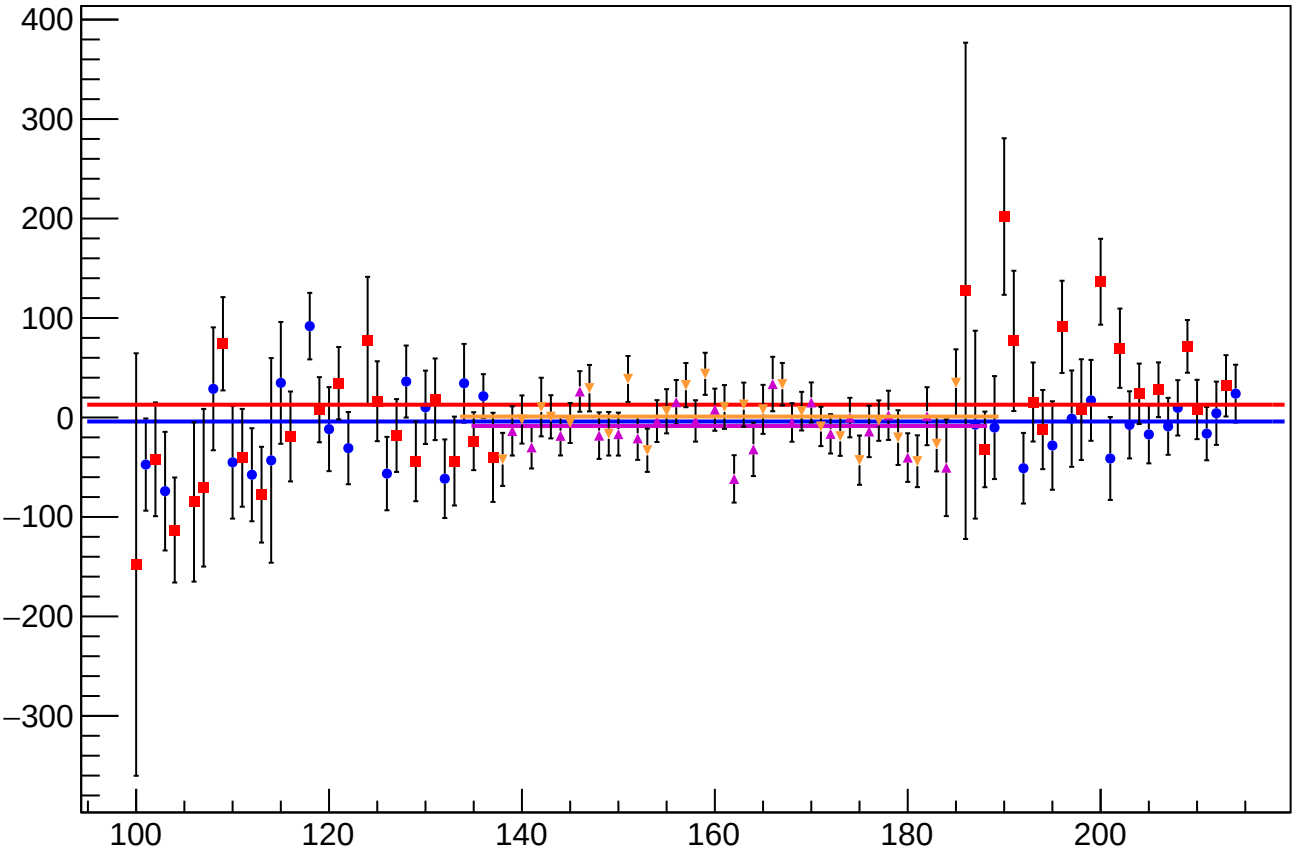
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 427.109+/-0.052 χ^2/NDF: 5802255.2/63

In: 201.173+/-0.026 χ^2/NDF:14498396.0/52

Out: 200.533+/-0.026 χ^2/NDF:16235584.6/58

All: 200.848+/-0.018 χ^2/NDF: 30734281.0/11



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

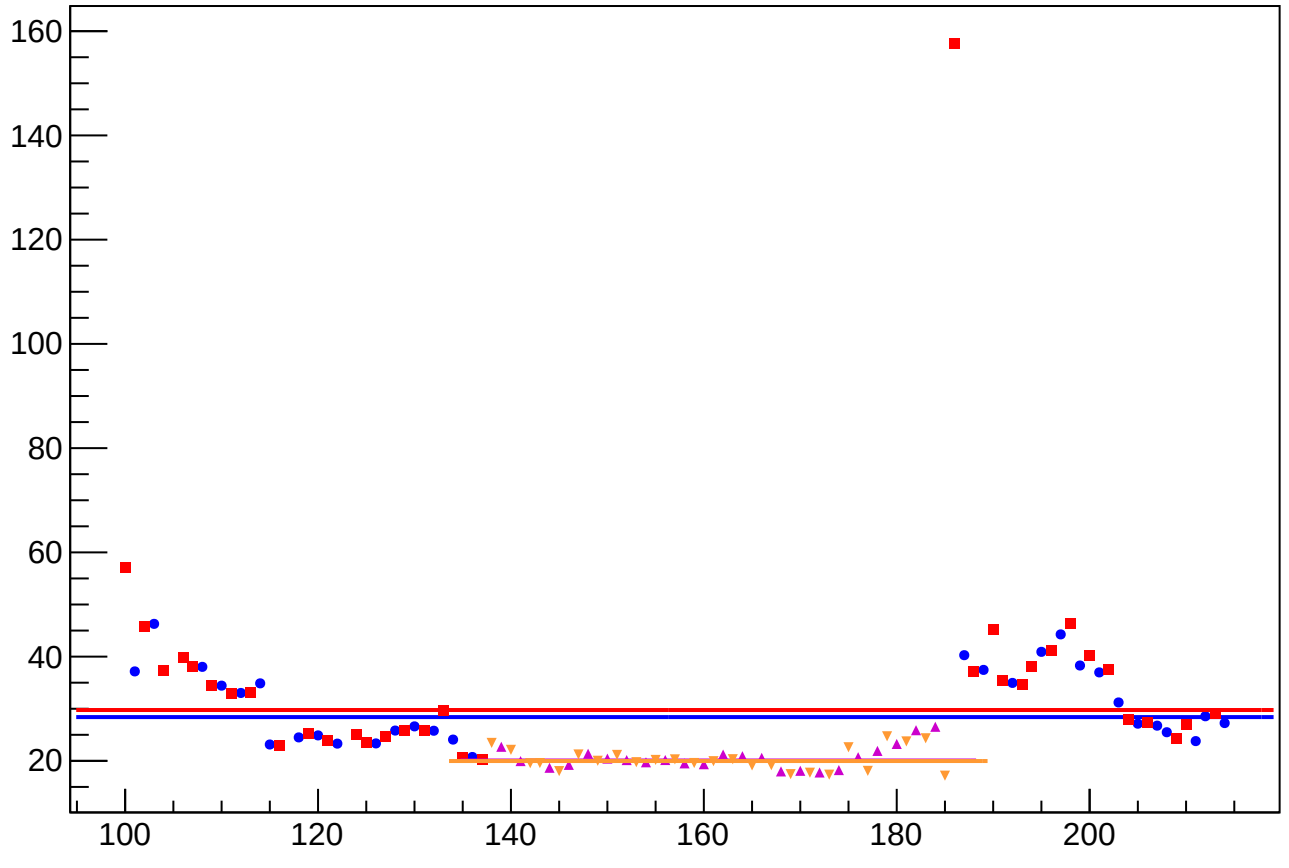
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 4.068+/-4.922 χ^2/NDF: 82.1/63

In: -7.126+/-3.885 χ^2/NDF:46.0/52

Out: 4.409+/-3.845 χ^2/NDF:84.1/58

All: -1.298+/-2.733 χ^2/NDF: 134.5/111



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

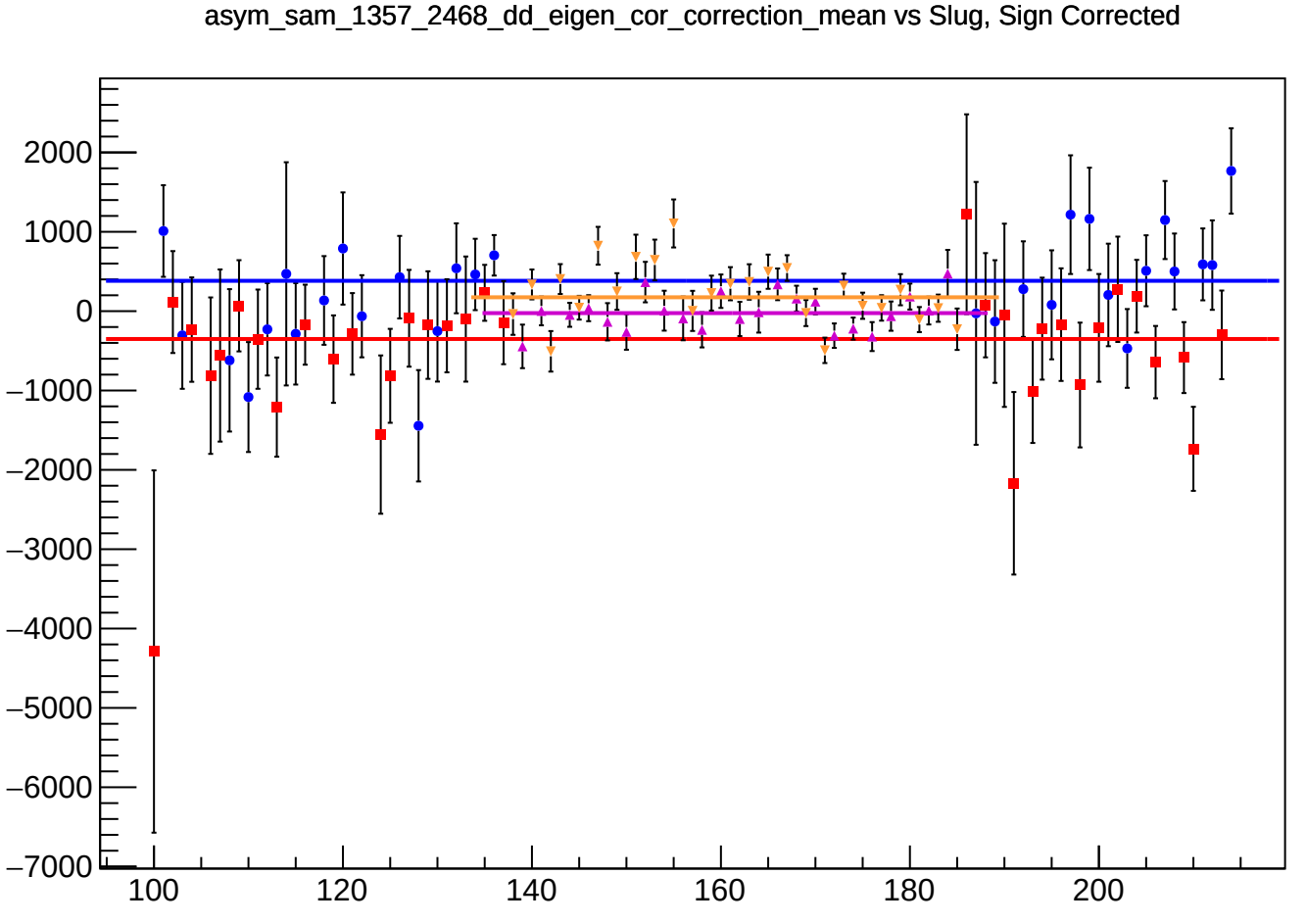
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.052+/-0.003 χ^2/NDF: 3995890.4/63

In: 22.766+/-0.003 χ^2/NDF:3927523.3/52

Out: 22.841+/-0.003 χ^2/NDF:5417049.6/58

All: 22.804+/-0.002 χ^2/NDF: 9344943.4/111



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

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

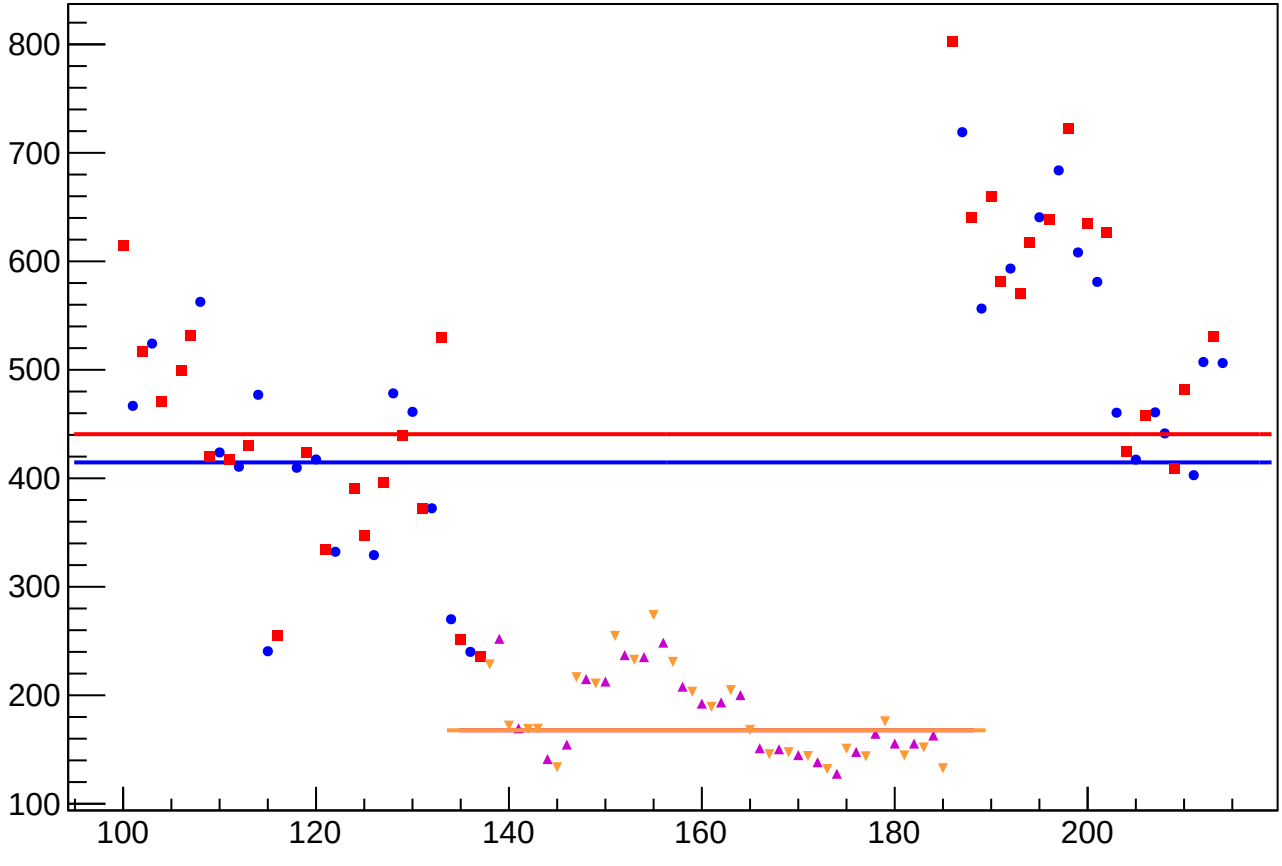
Right: 31.450+/-73.122 χ^2/NDF: 90.0/63

In: 30.508+/-37.260 χ^2/NDF:77.7/52

Out: 111.570+/-36.629 χ^2/NDF:121.0/58

All: 71.730+/-26.121 χ^2/NDF: 201.1/111

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

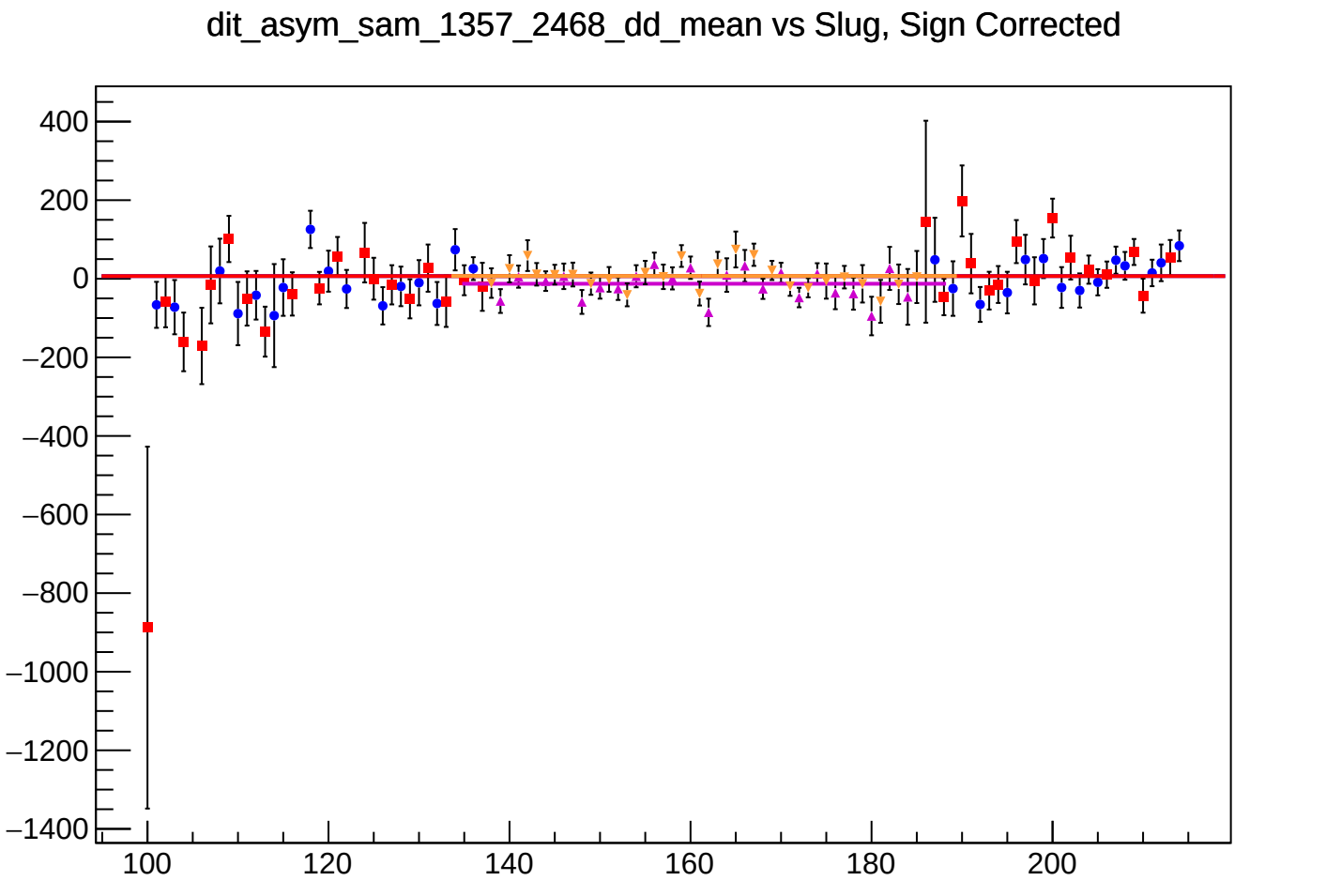
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 427.109+/-0.052 χ^2/NDF: 5802255.2/63

In: 201.173+/-0.026 χ^2/NDF:14498396.0/52

Out: 200.533+/-0.026 χ^2/NDF:16235584.6/58

All: 200.848+/-0.018 χ^2/NDF: 30734281.0/11



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

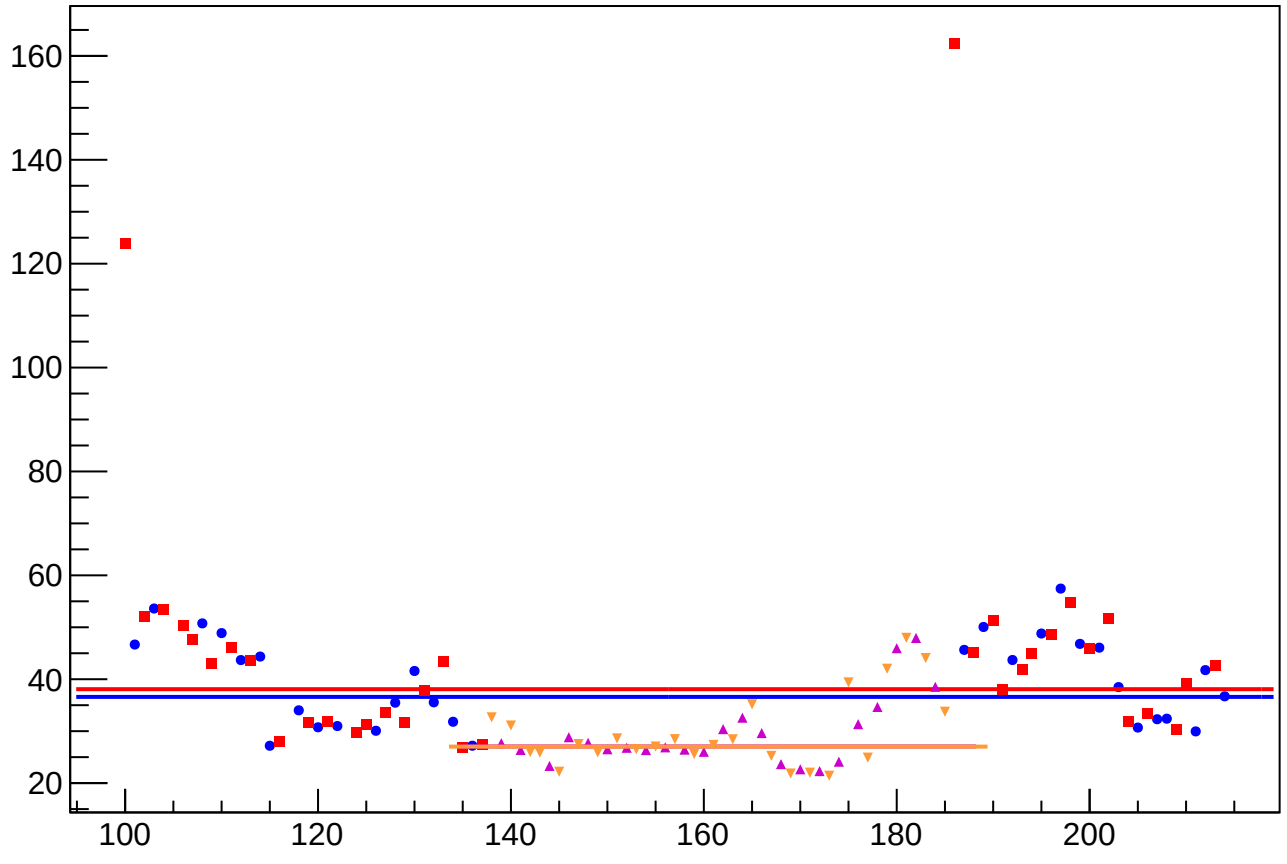
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 6.808+/-6.332 χ^2/NDF: 84.2/63

In: -5.805+/-5.242 χ^2/NDF:60.4/52

Out: 6.973+/-5.195 χ^2/NDF:75.3/58

All: 0.641+/-3.690 χ^2/NDF: 138.7/111



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

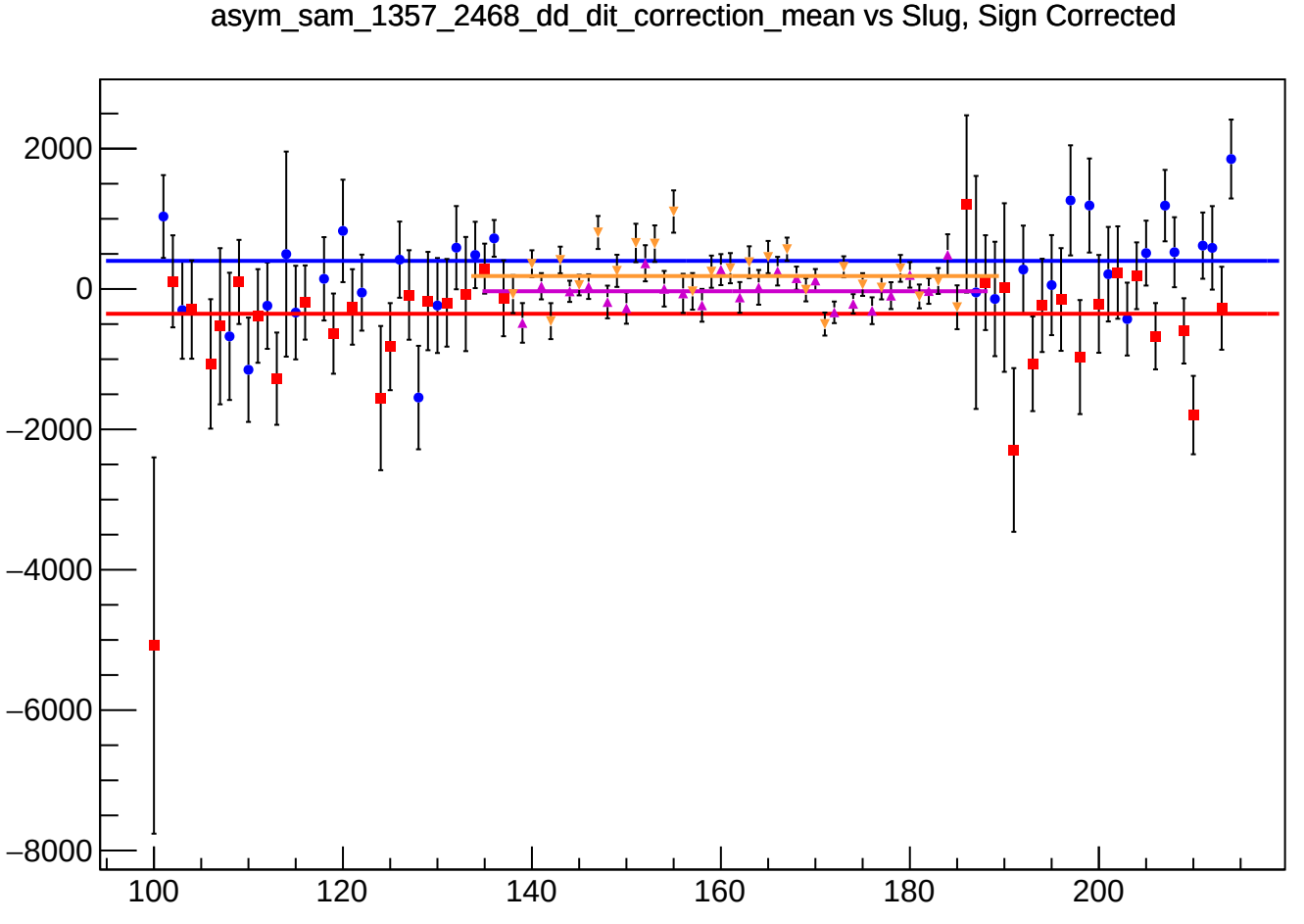
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 37.320+/-0.004 χ^2/NDF: 3660733.7/63

In: 30.416+/-0.004 χ^2/NDF:4094492.4/52

Out: 30.643+/-0.004 χ^2/NDF:5521425.2/58

All: 30.530+/-0.003 χ^2/NDF: 9617811.1/111



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

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

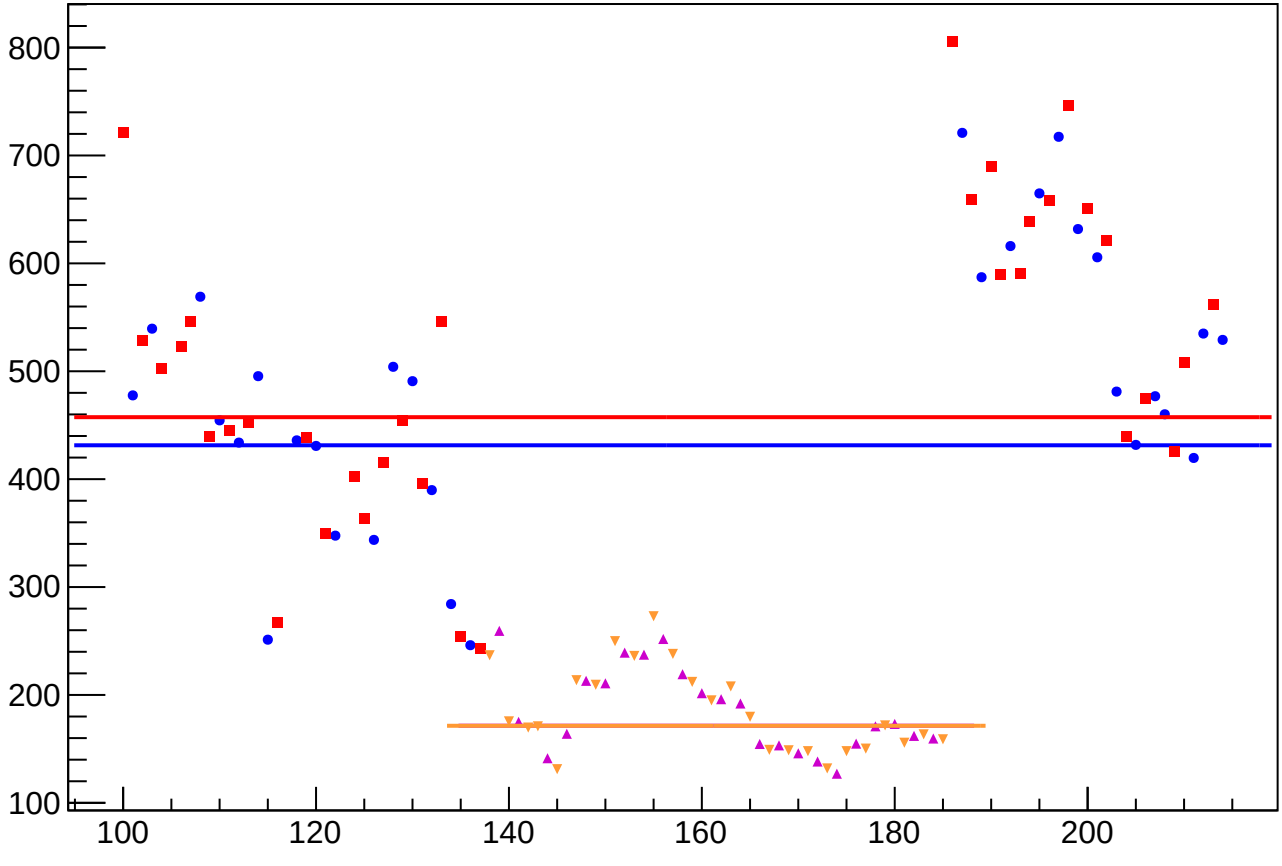
Right: 38.168+/-75.931 χ^2/NDF: 90.2/63

In: 24.902+/-38.190 χ^2/NDF:77.5/52

Out: 121.827+/-37.432 χ^2/NDF:118.1/58

All: 74.337+/-26.732 χ^2/NDF: 198.9/111

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



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

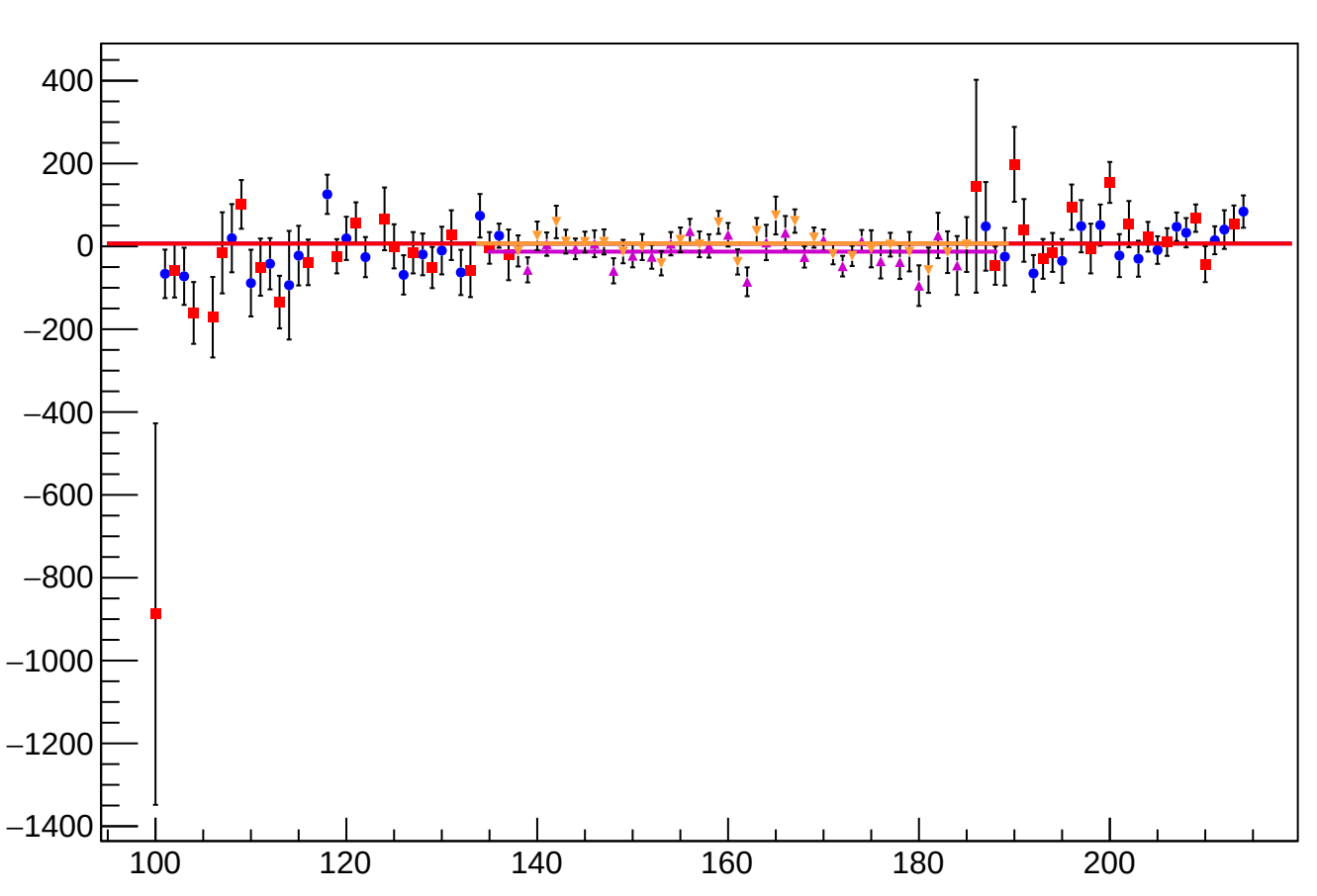
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 443.925+/-0.054 χ^2/NDF: 5843485.4/63

In: 205.614+/-0.027 χ^2/NDF:14846164.2/52

Out: 204.859+/-0.026 χ^2/NDF:16500077.3/58

All: 205.229+/-0.019 χ^2/NDF: 31346640.1/11



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

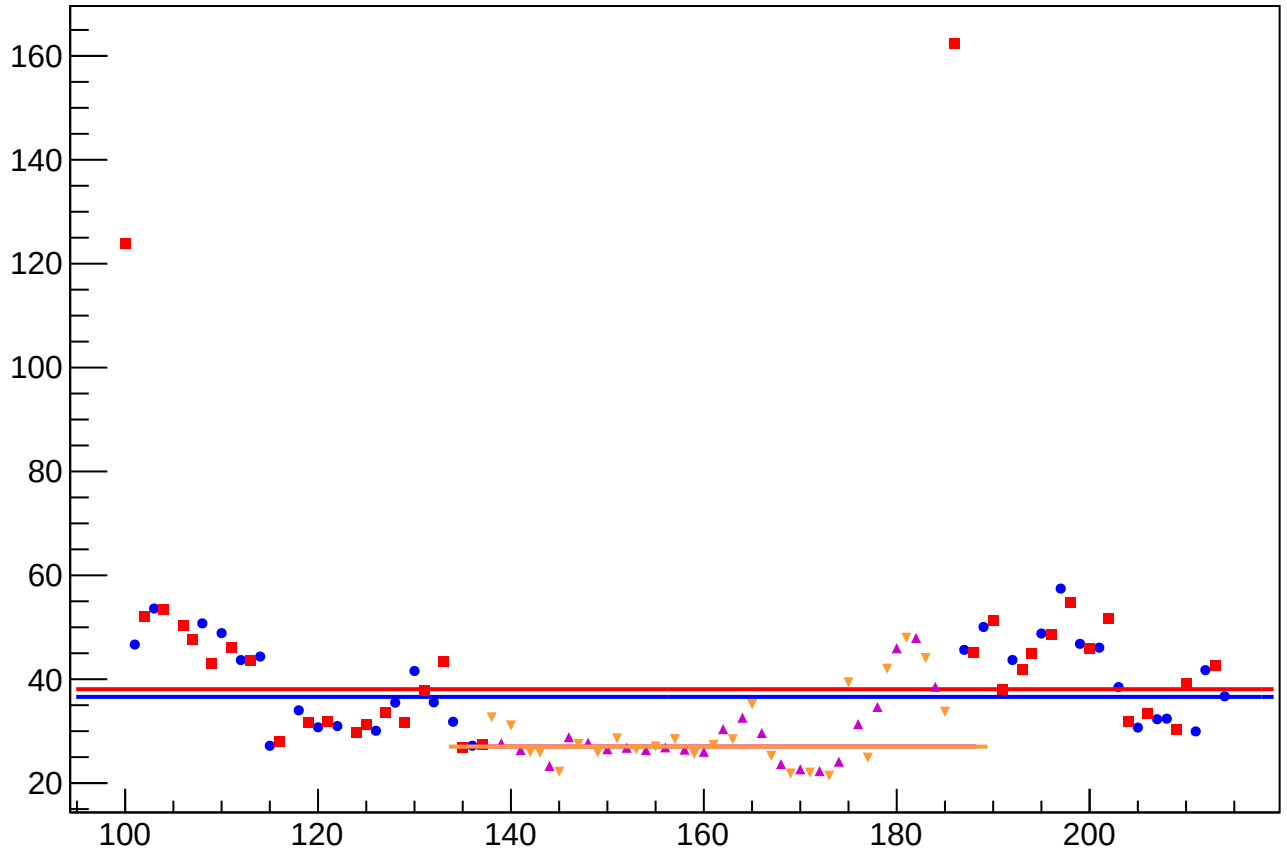
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 6.808+/-6.332 χ^2/NDF: 84.2/63

In: -5.806+/-5.242 χ^2/NDF:60.4/52

Out: 6.973+/-5.195 χ^2/NDF:75.3/58

All: 0.640+/-3.690 χ^2/NDF: 138.7/111



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

Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

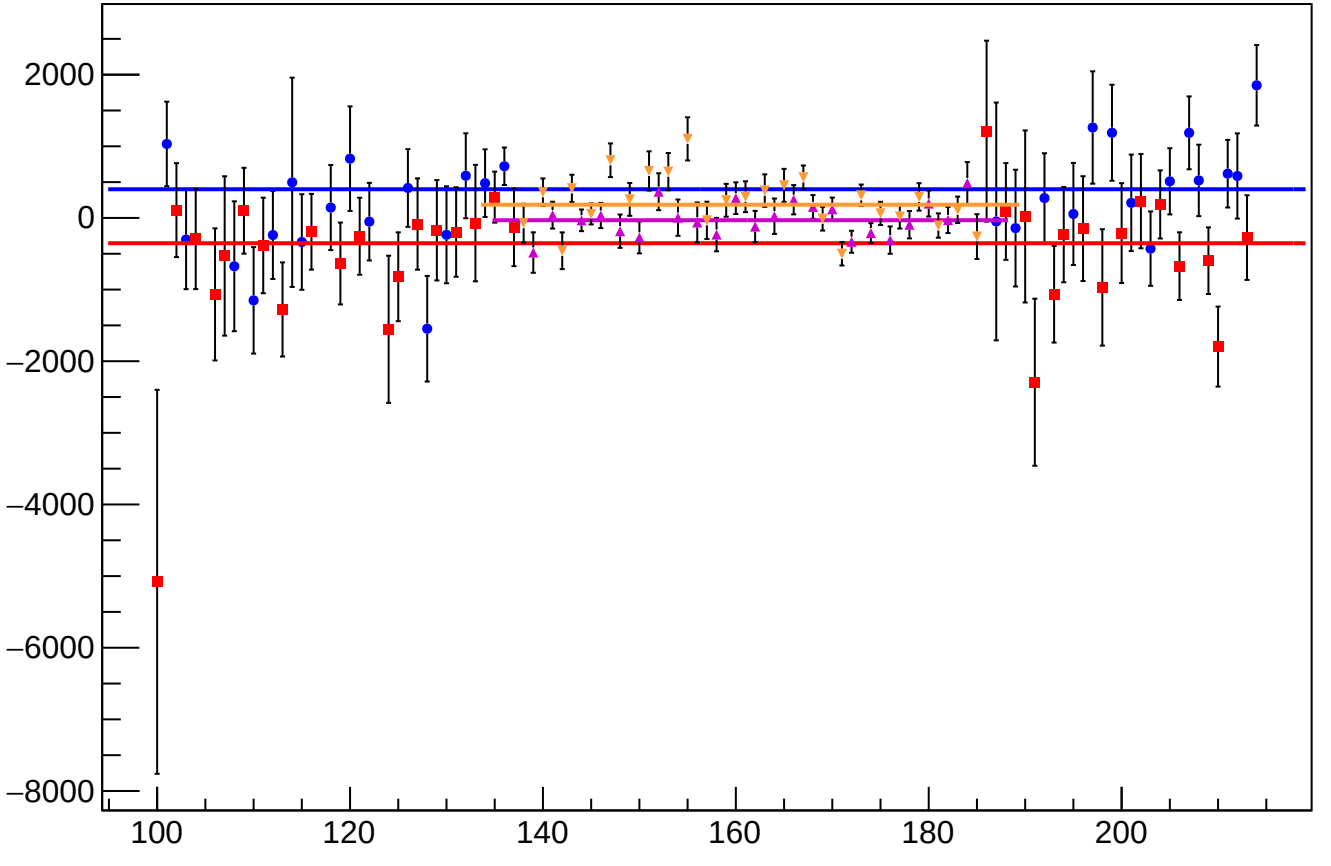
Right: 37.319+/-0.004 χ^2/NDF: 3660693.9/63

In: 30.416+/-0.004 χ^2/NDF:4094360.9/52

Out: 30.643+/-0.004 χ^2/NDF:5521345.1/58

All: 30.530+/-0.003 χ^2/NDF: 9617600.5/111

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

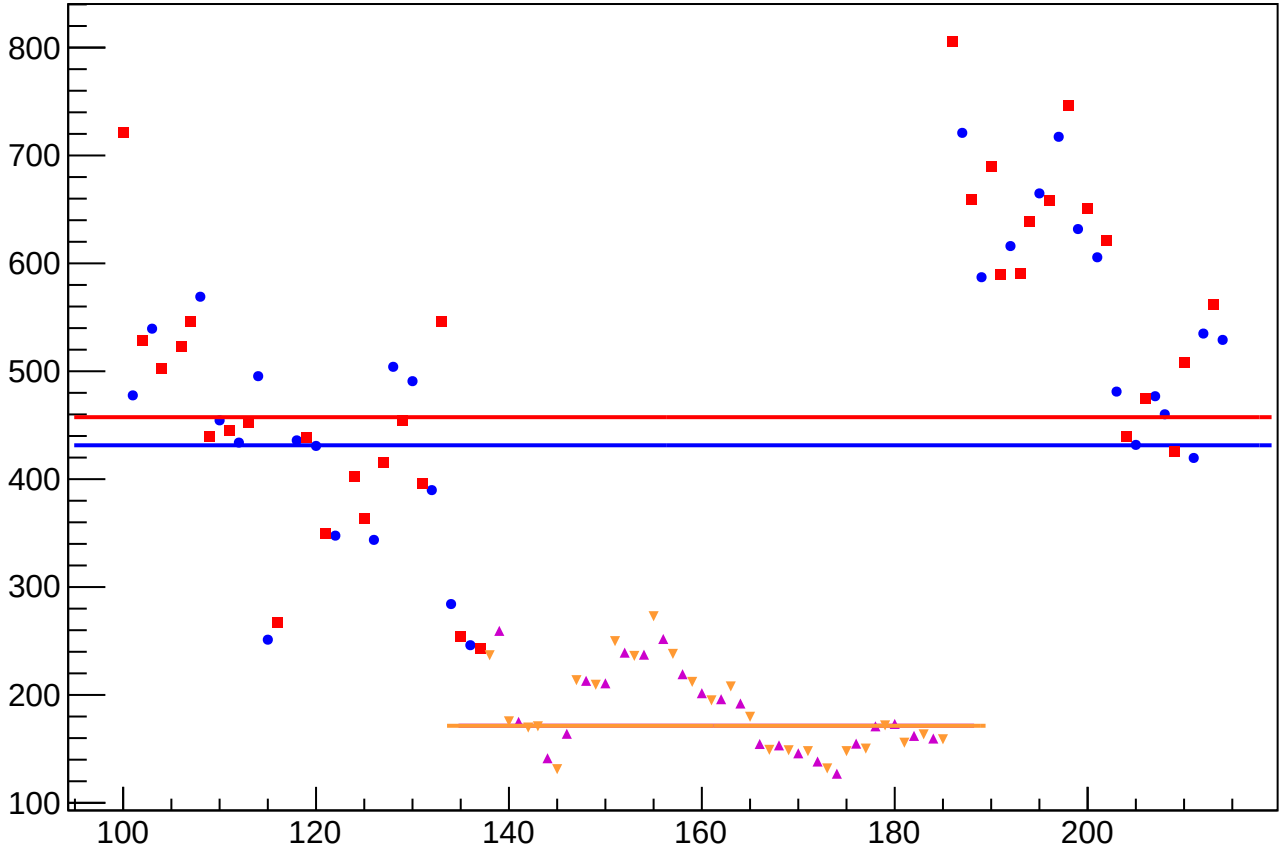
Right: 38.167+/-75.931 χ^2/NDF: 90.2/63

In: 24.902+/-38.190 χ^2/NDF:77.5/52

Out: 121.827+/-37.432 χ^2/NDF:118.1/58

All: 74.337+/-26.732 χ^2/NDF: 198.9/111

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

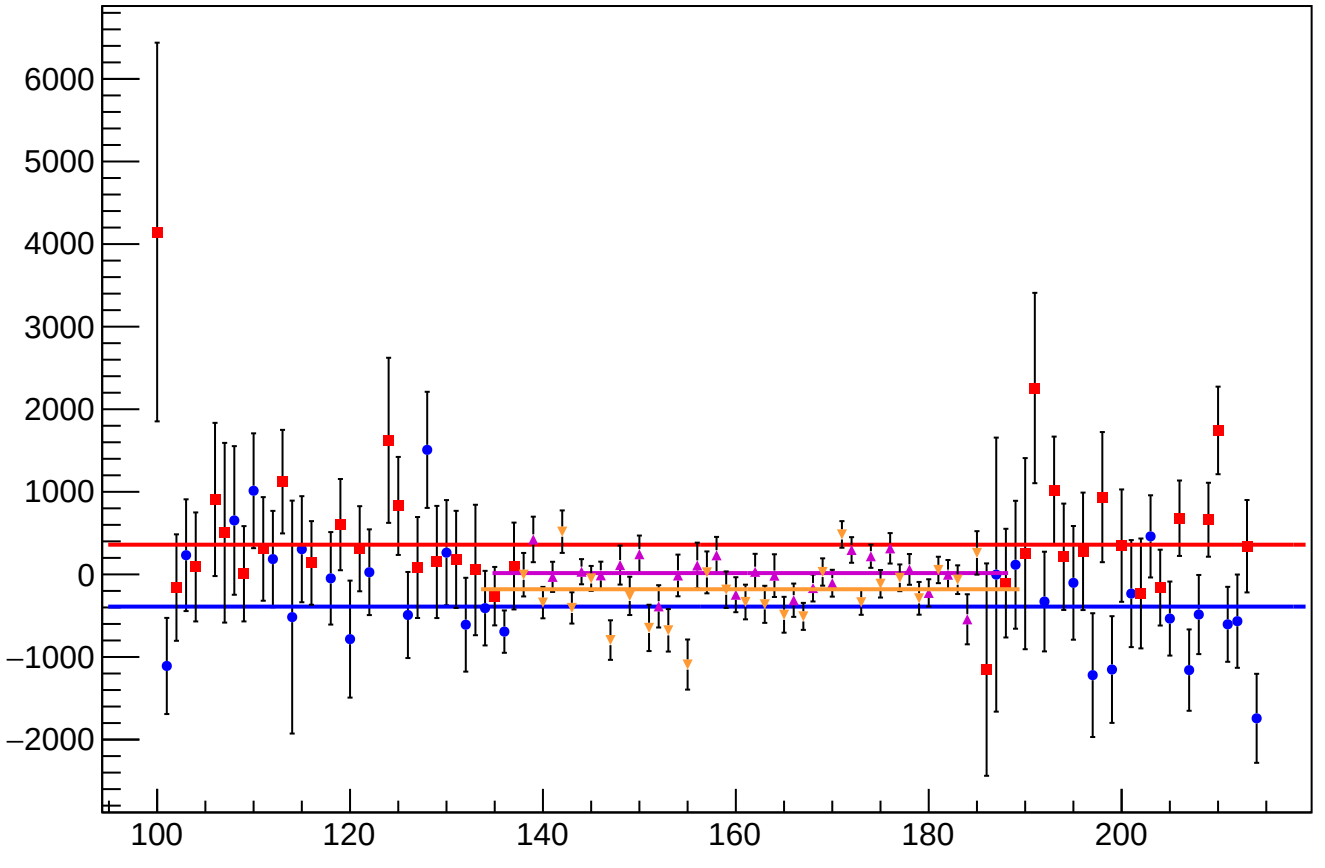
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 443.924+/-0.054 χ^2/NDF: 5843505.1/63

In: 205.613+/-0.027 χ^2/NDF:14846215.4/52

Out: 204.858+/-0.026 χ^2/NDF:16500133.6/58

All: 205.228+/-0.019 χ^2/NDF: 31346747.4/1



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

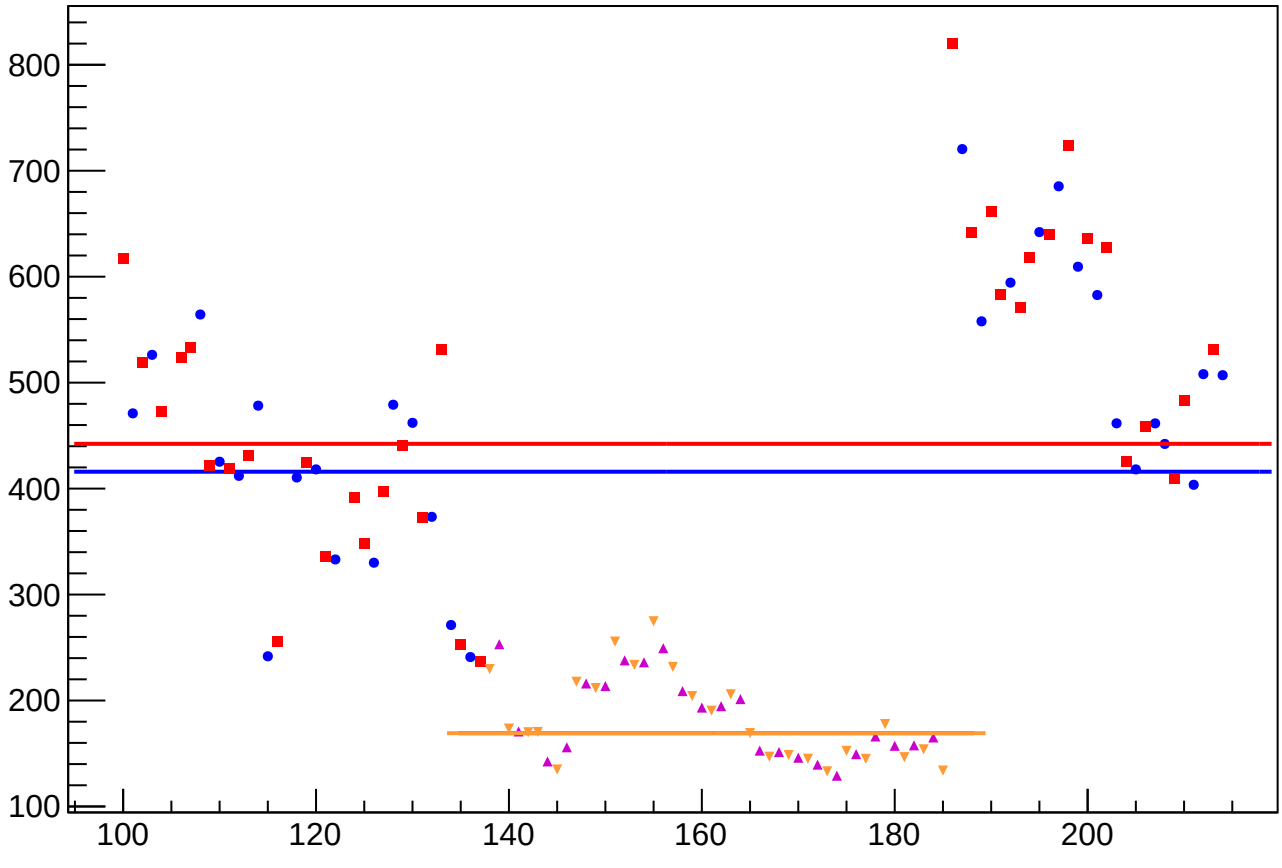
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -30.715+/-73.298 χ^2/NDF: 91.1/63

In: -39.400+/-37.536 χ^2/NDF:77.1/52

Out: -114.163+/-36.897 χ^2/NDF:118.2/58

All: -77.423+/-26.313 χ^2/NDF: 197.3/111



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

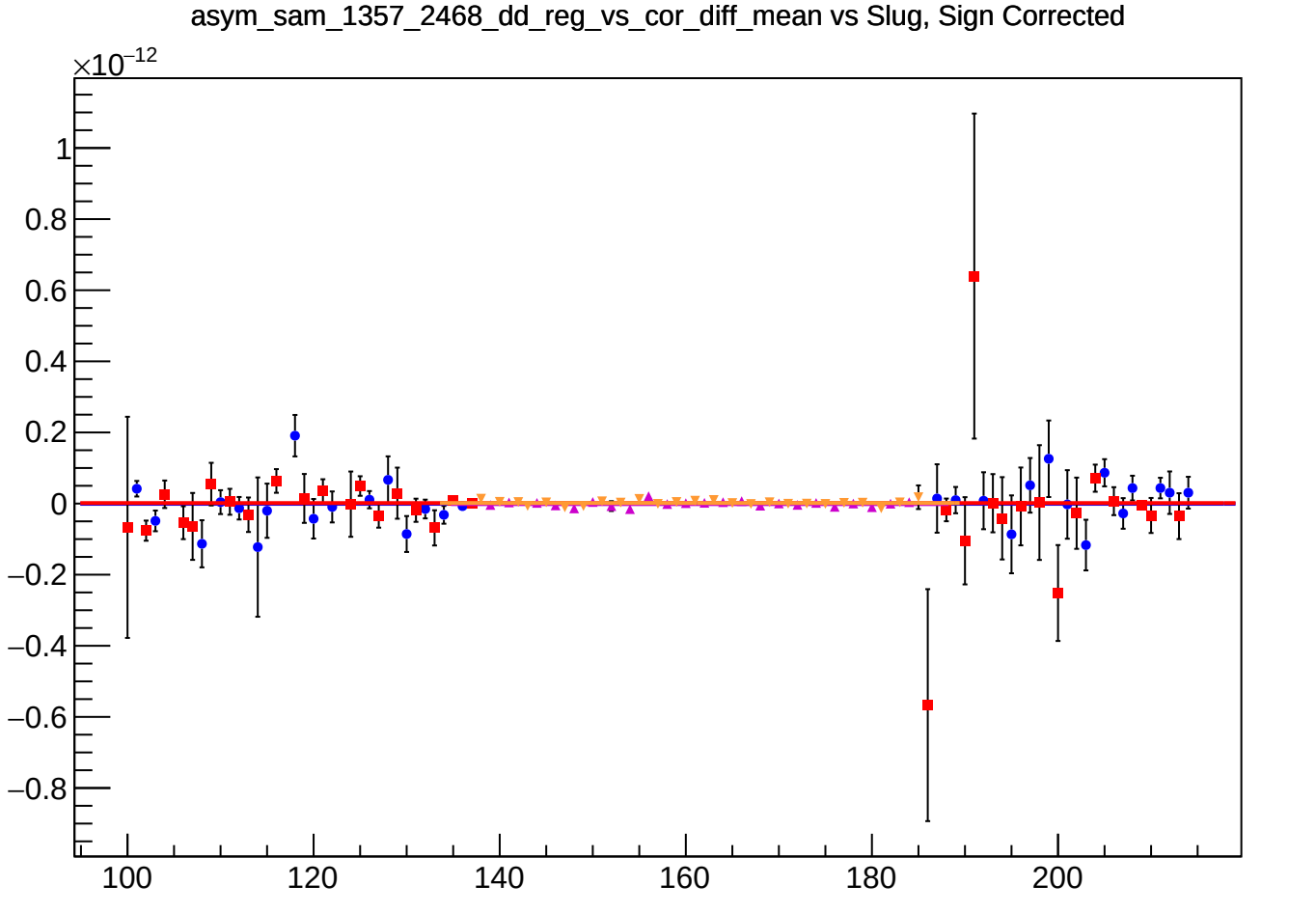
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 428.551+/-0.052 χ^2/NDF: 5799381.7/63

In: 202.894+/-0.027 χ^2/NDF:14371970.6/52

Out: 202.335+/-0.026 χ^2/NDF:16164485.5/58

All: 202.609+/-0.019 χ^2/NDF: 30536681.6/11



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

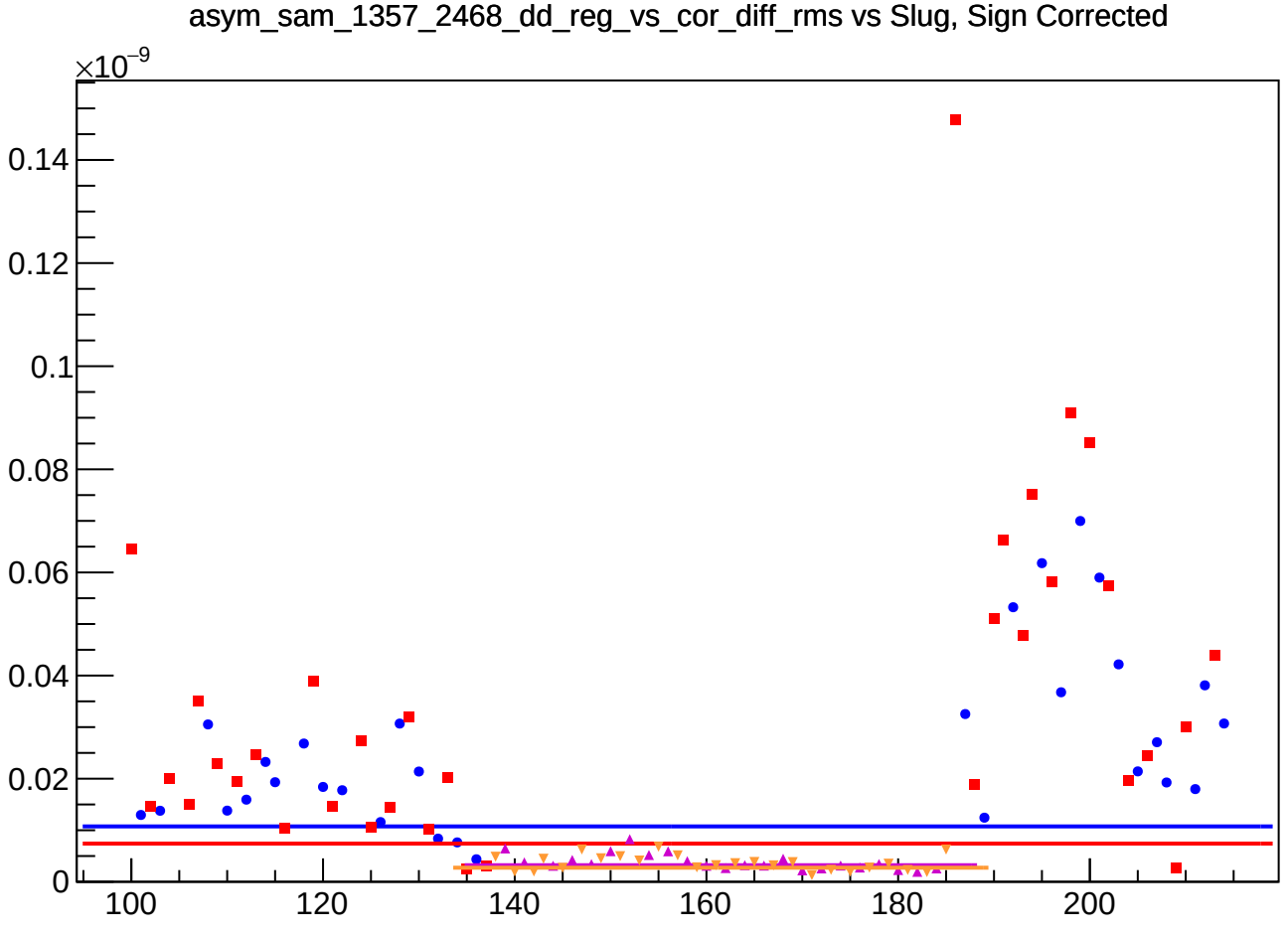
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: 0.000+/-0.000 χ^2/NDF: 81.5/63

In: -0.000+/-0.000 χ^2/NDF:63.4/52

Out: 0.000+/-0.000 χ^2/NDF:56.5/58

All: 0.000+/-0.000 χ^2/NDF: 122.7/111



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

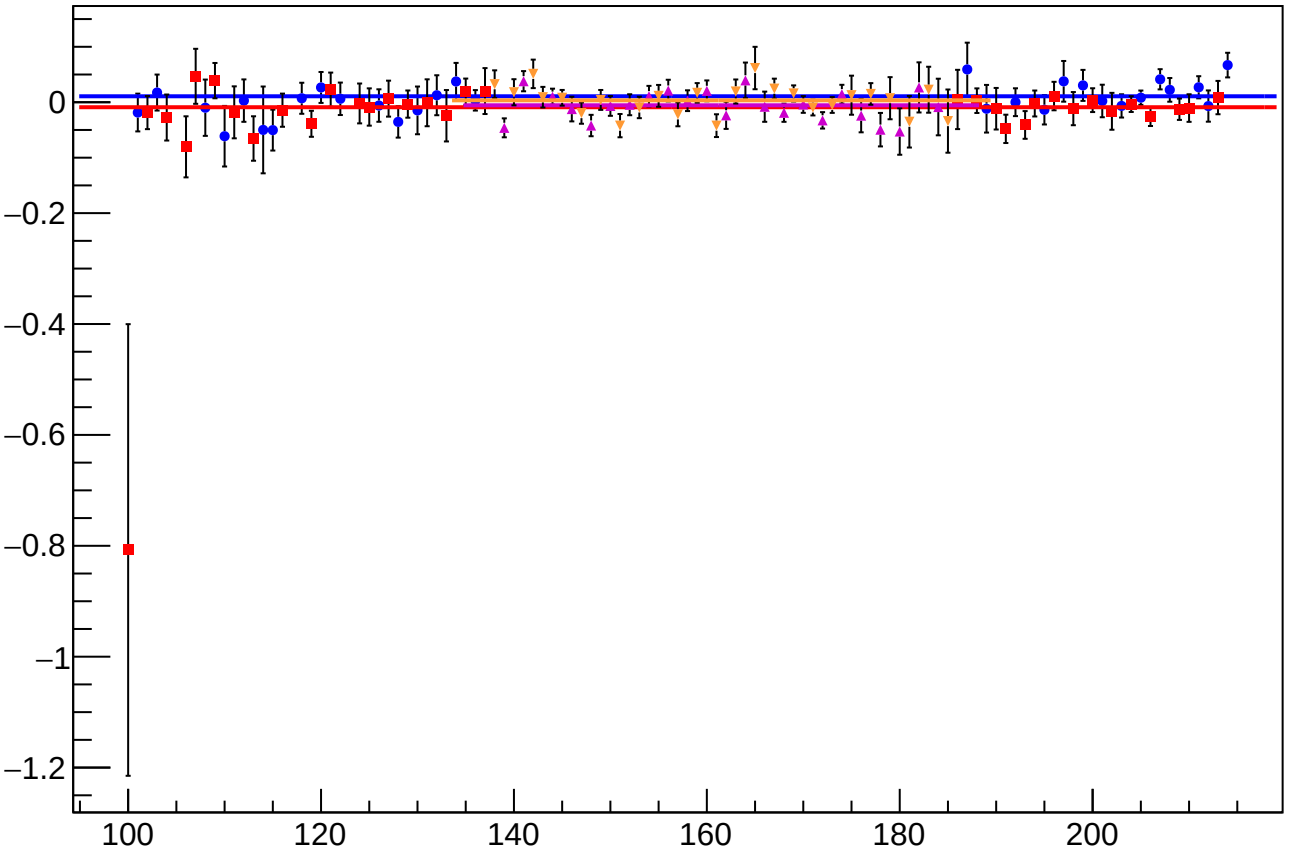
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17046910.7/63

In: 0.000+/-0.000 χ^2/NDF:11996716.4/52

Out: 0.000+/-0.000 χ^2/NDF:13737687.1/58

All: 0.000+/-0.000 χ^2/NDF: 26028167.6/111



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

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

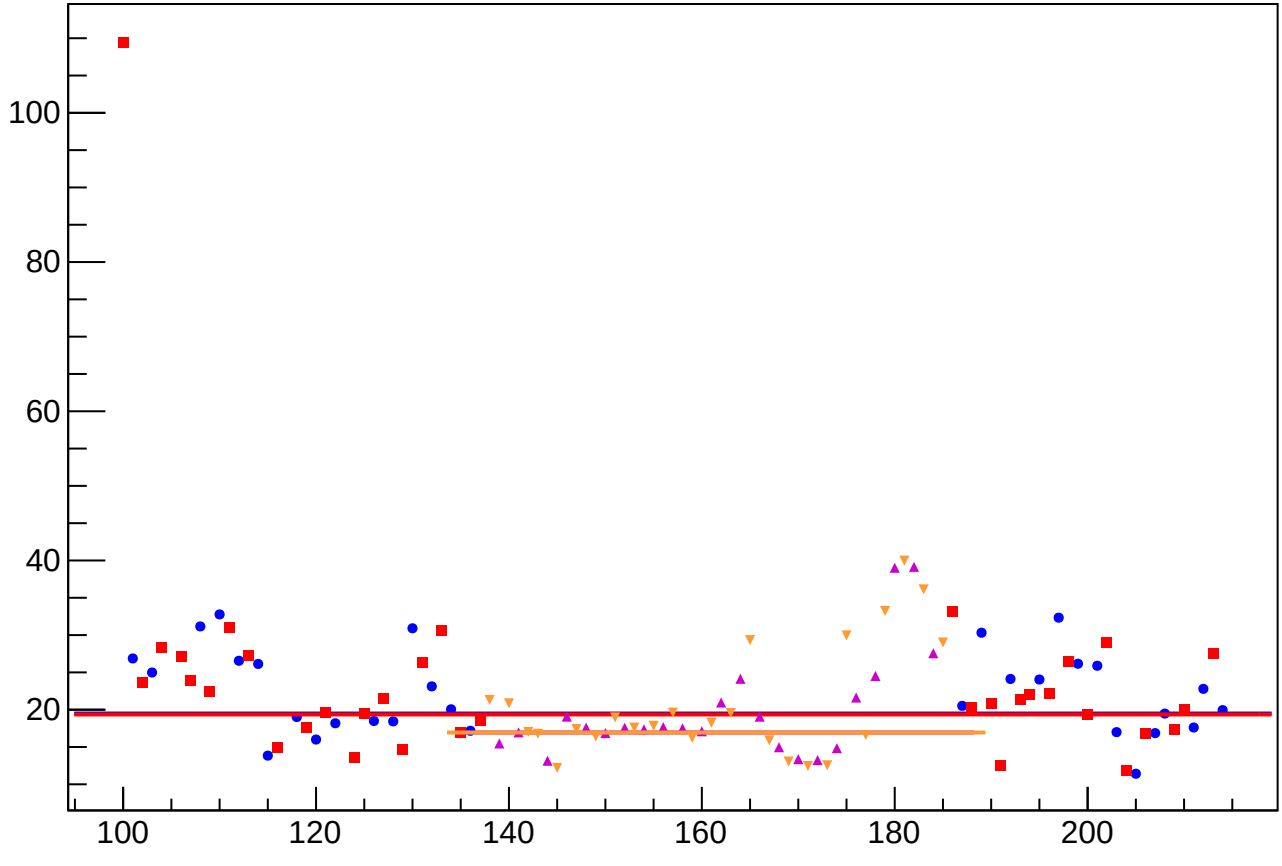
Right: 0.001+/-0.003 χ^2/NDF: 56.9/63

In: 0.001+/-0.003 χ^2/NDF:64.9/52

Out: -0.002+/-0.003 χ^2/NDF:54.1/58

All: -0.000+/-0.002 χ^2/NDF: 119.5/111

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

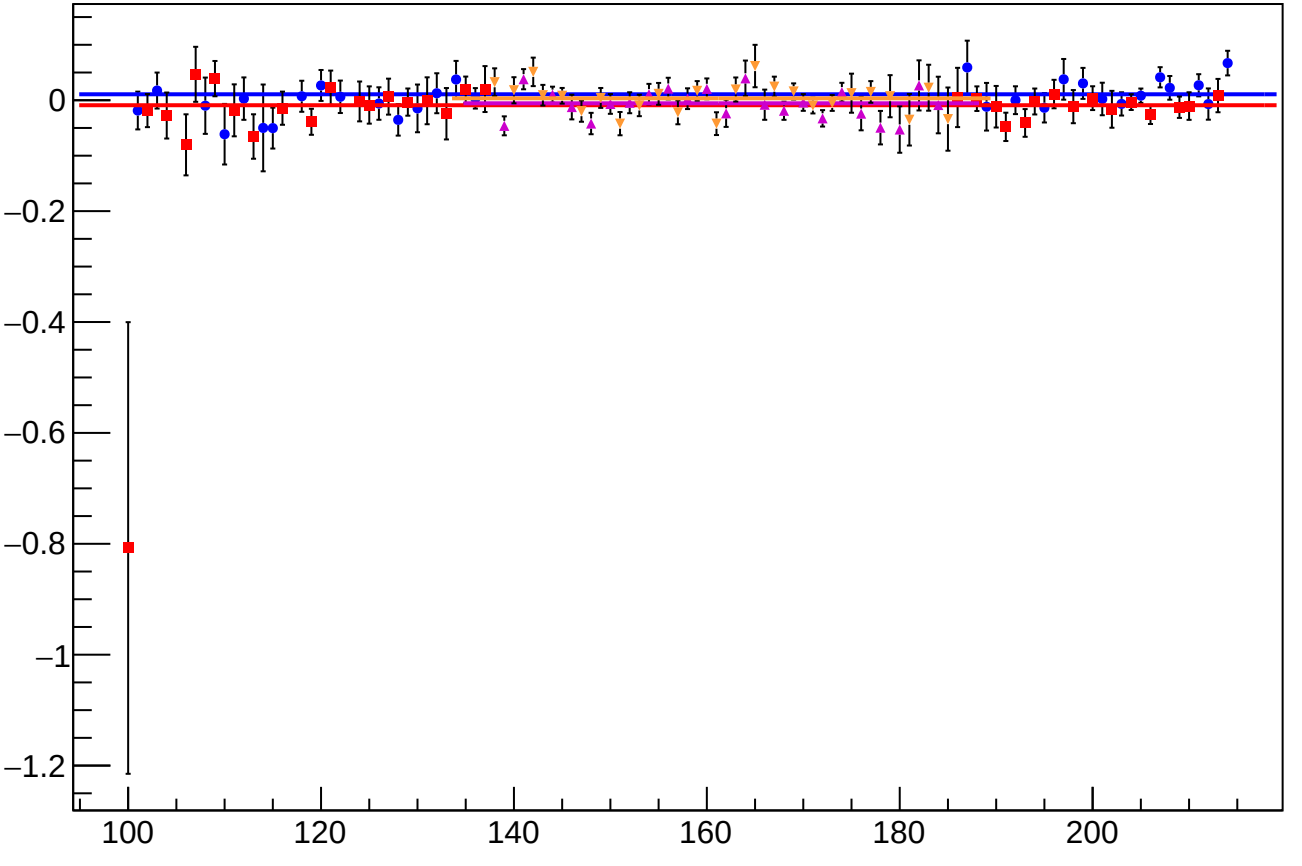
Right: 19.422+/-0.002 χ^2/NDF: 4634945.8/63

In: 18.019+/-0.002 χ^2/NDF:4600769.2/52

Out: 17.962+/-0.002 χ^2/NDF:5419896.6/58

All: 17.990+/-0.002 χ^2/NDF: 10020998.8/111

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

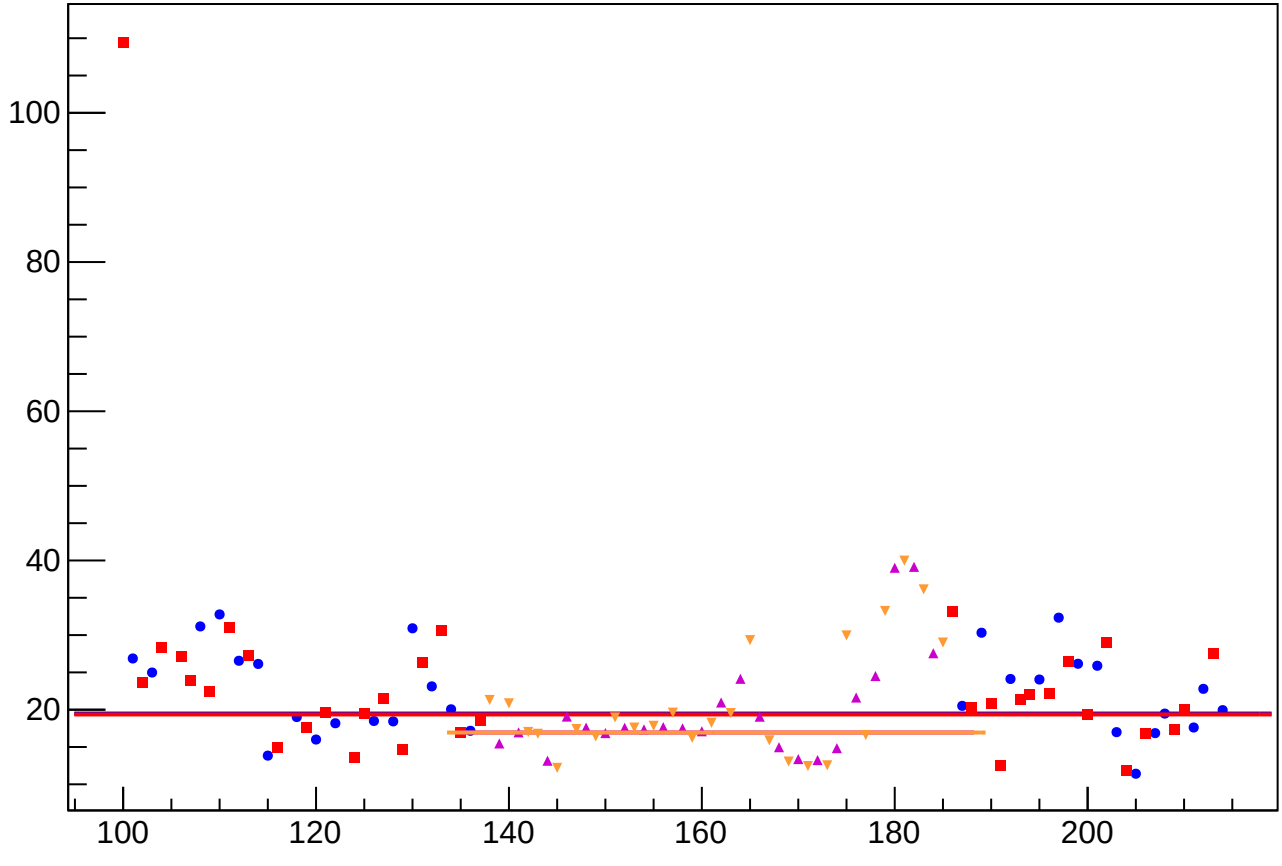
Right: 0.001+/-0.003 χ^2/NDF: 56.9/63

In: 0.001+/-0.003 χ^2/NDF:64.9/52

Out: -0.002+/-0.003 χ^2/NDF:54.1/58

All: -0.000+/-0.002 χ^2/NDF: 119.5/111

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

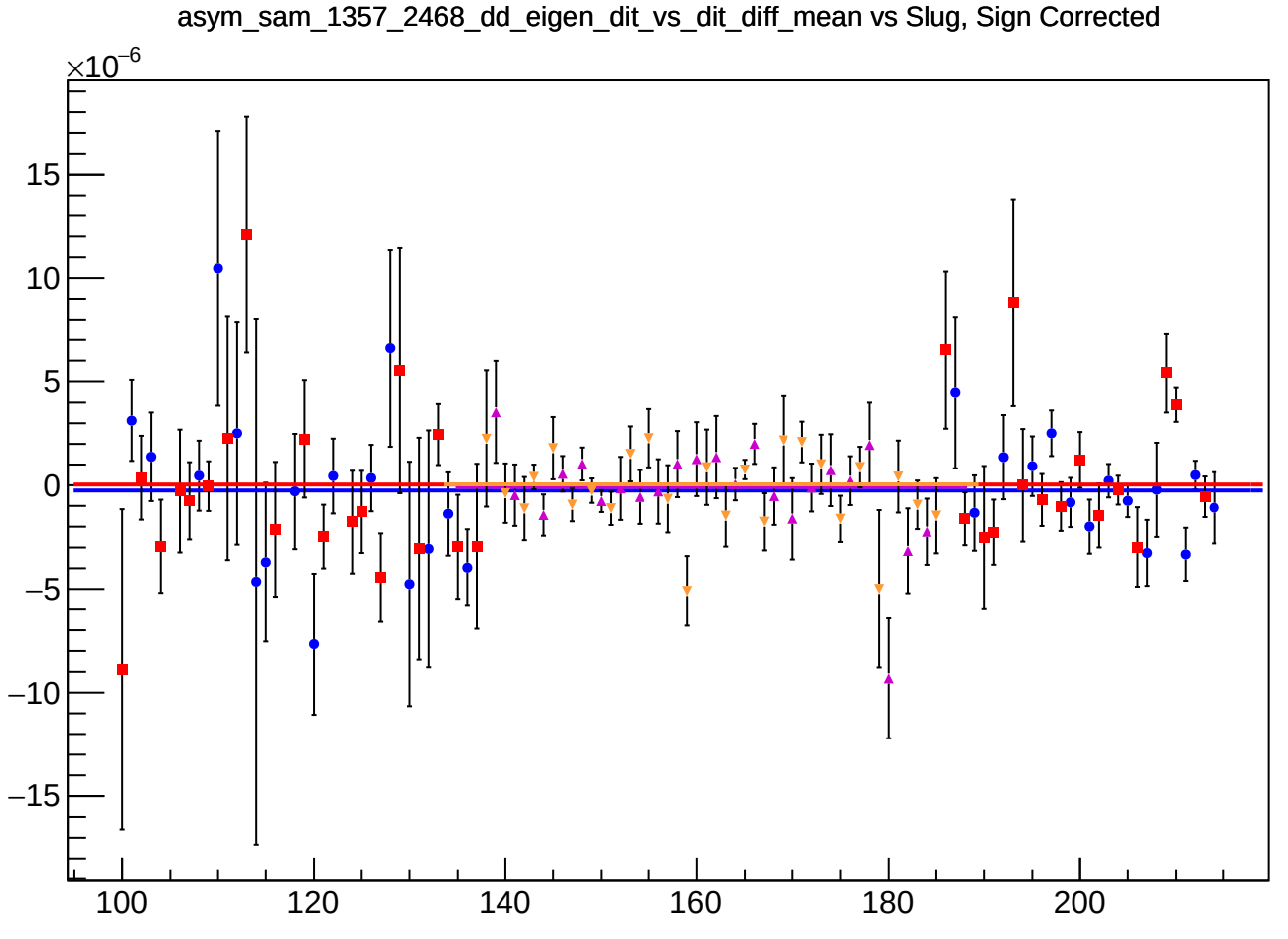
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.422+/-0.002 χ^2/NDF: 4634945.8/63

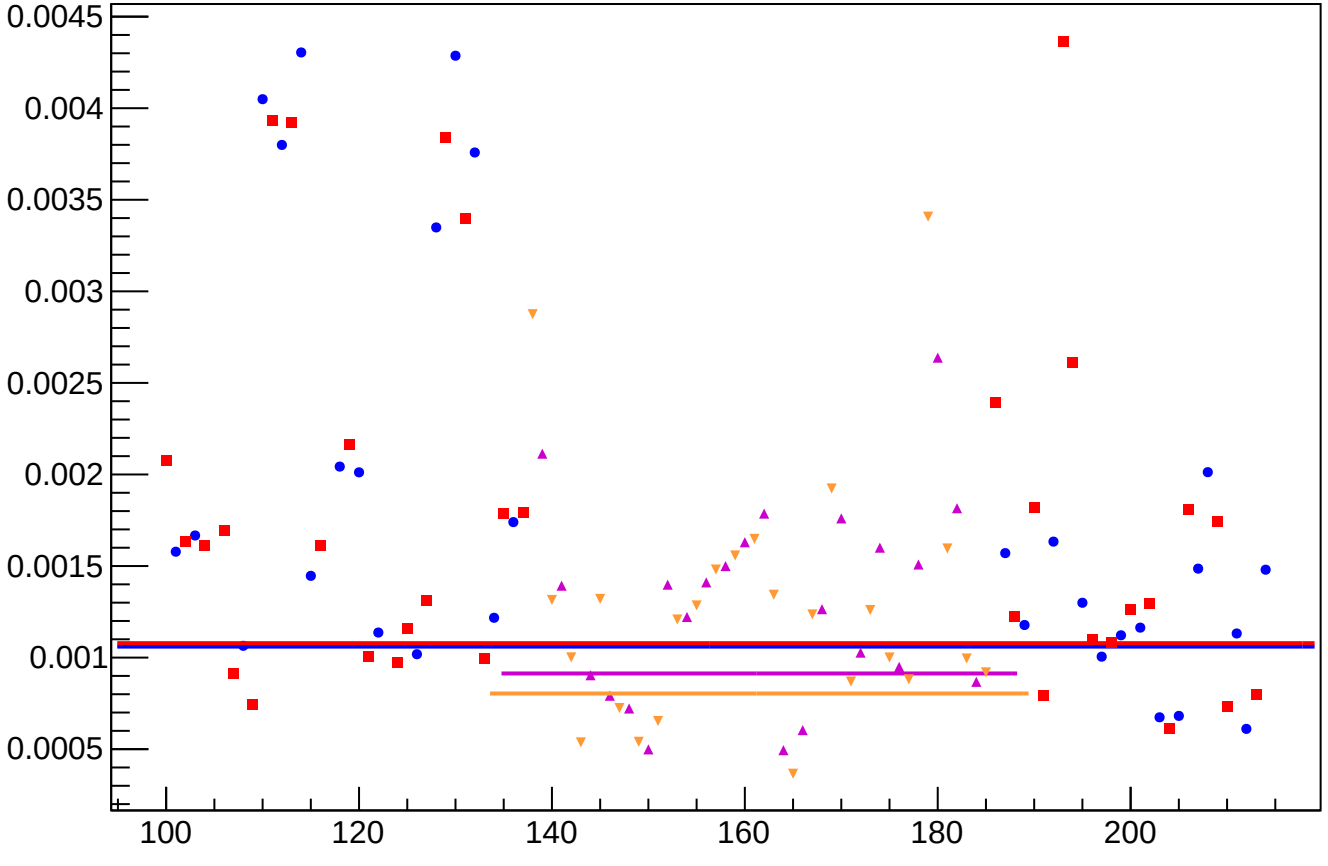
In: 18.019+/-0.002 χ^2/NDF:4600769.2/52

Out: 17.962+/-0.002 χ^2/NDF:5419896.6/58

All: 17.990+/-0.002 χ^2/NDF: 10020998.8/111


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻⁶
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 43.1/29
Left Out: 0.000+/-0.000 χ²/NDF:37.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 69.4/33
Left In: -0.000+/-0.000 χ²/NDF:31.0/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/47
Right: -0.000+/-0.000 χ²/NDF: 113.1/63
In: -0.000+/-0.000 χ²/NDF:74.3/52
Out: 0.000+/-0.000 χ²/NDF:106.6/58
All: -0.000+/-0.000 χ²/NDF: 181.5/111

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6249718.5/29

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6886430.7/33

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

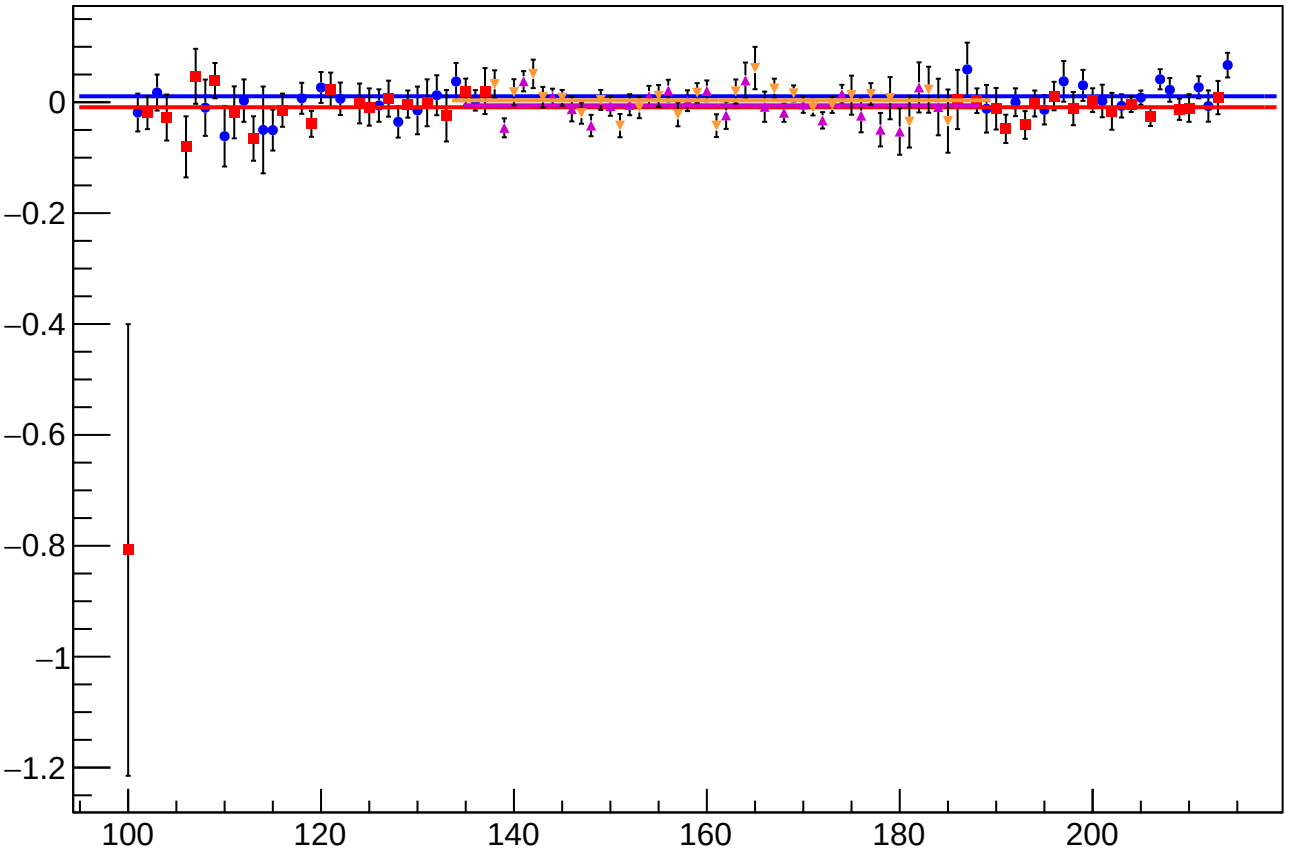
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 13140532.8/63

In: 0.001+/-0.000 χ^2/NDF:13005041.2/52

Out: 0.001+/-0.000 χ^2/NDF:16366886.2/58

All: 0.001+/-0.000 χ^2/NDF: 29552966.6/111



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

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

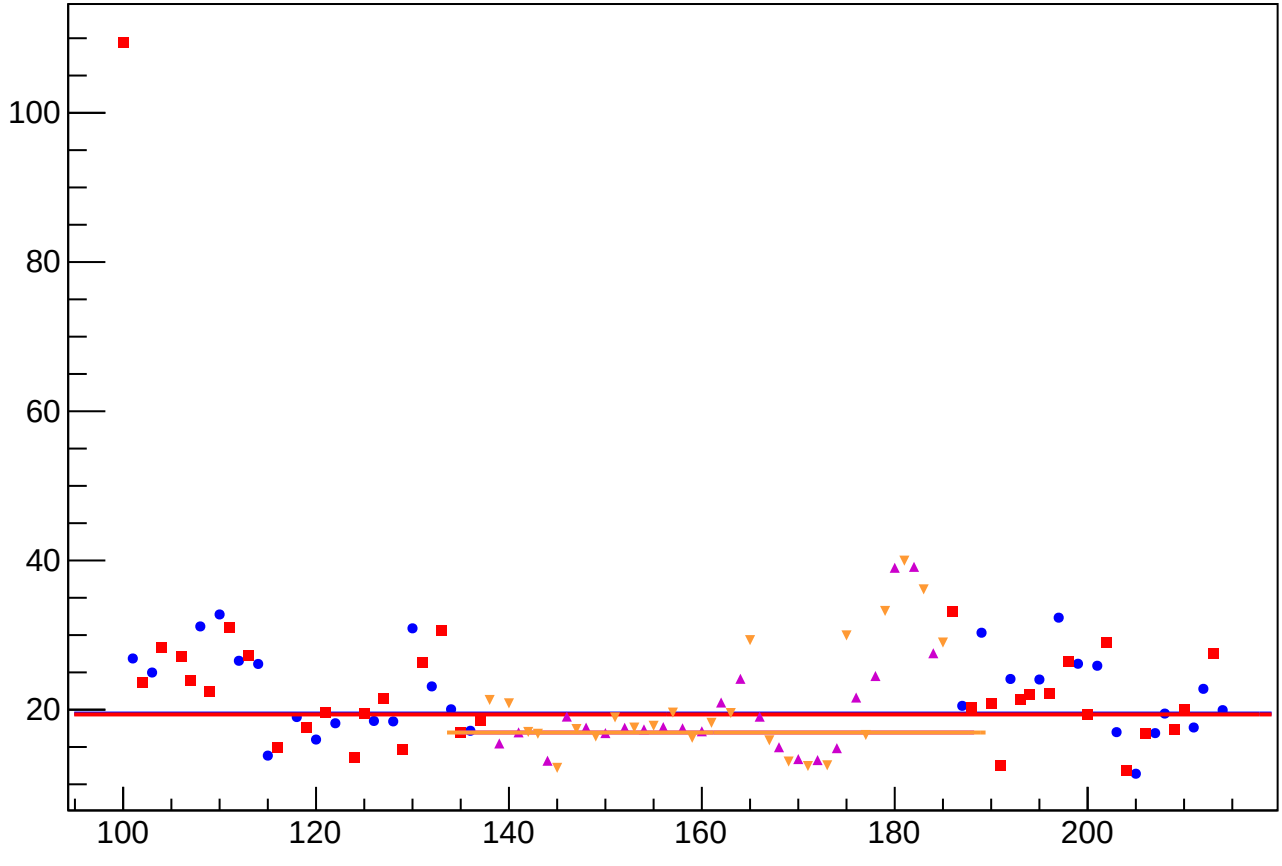
Right: 0.001+/-0.003 χ^2/NDF: 56.9/63

In: 0.001+/-0.003 χ^2/NDF:64.9/52

Out: -0.002+/-0.003 χ^2/NDF:54.1/58

All: -0.000+/-0.002 χ^2/NDF: 119.5/111

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

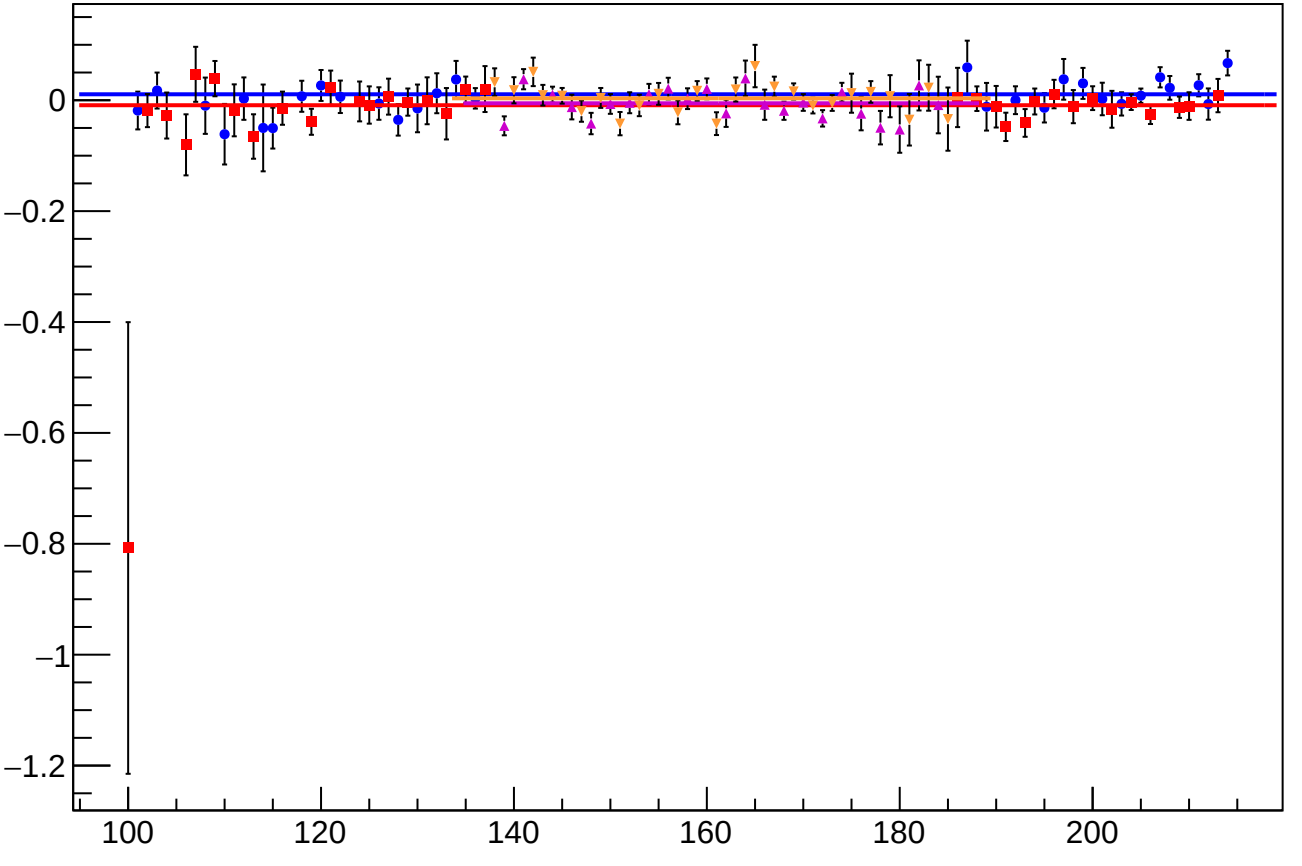
Right: 19.422+/-0.002 χ^2/NDF: 4634957.3/63

In: 18.019+/-0.002 χ^2/NDF:4600682.8/52

Out: 17.962+/-0.002 χ^2/NDF:5419810.2/58

All: 17.990+/-0.002 χ^2/NDF: 10020825.0/111

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

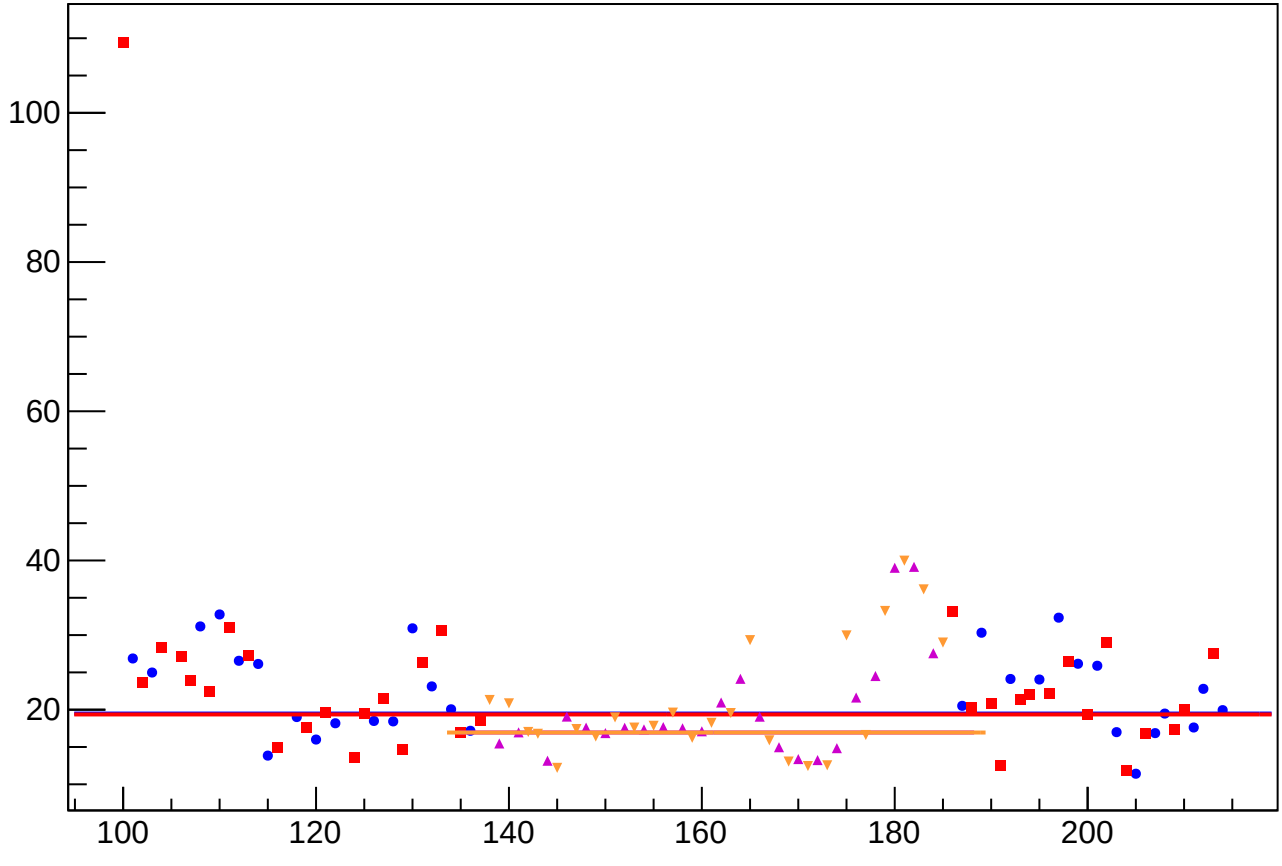
Right: 0.001+/-0.003 χ^2/NDF: 56.9/63

In: 0.001+/-0.003 χ^2/NDF:64.9/52

Out: -0.002+/-0.003 χ^2/NDF:54.1/58

All: -0.000+/-0.002 χ^2/NDF: 119.5/111

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

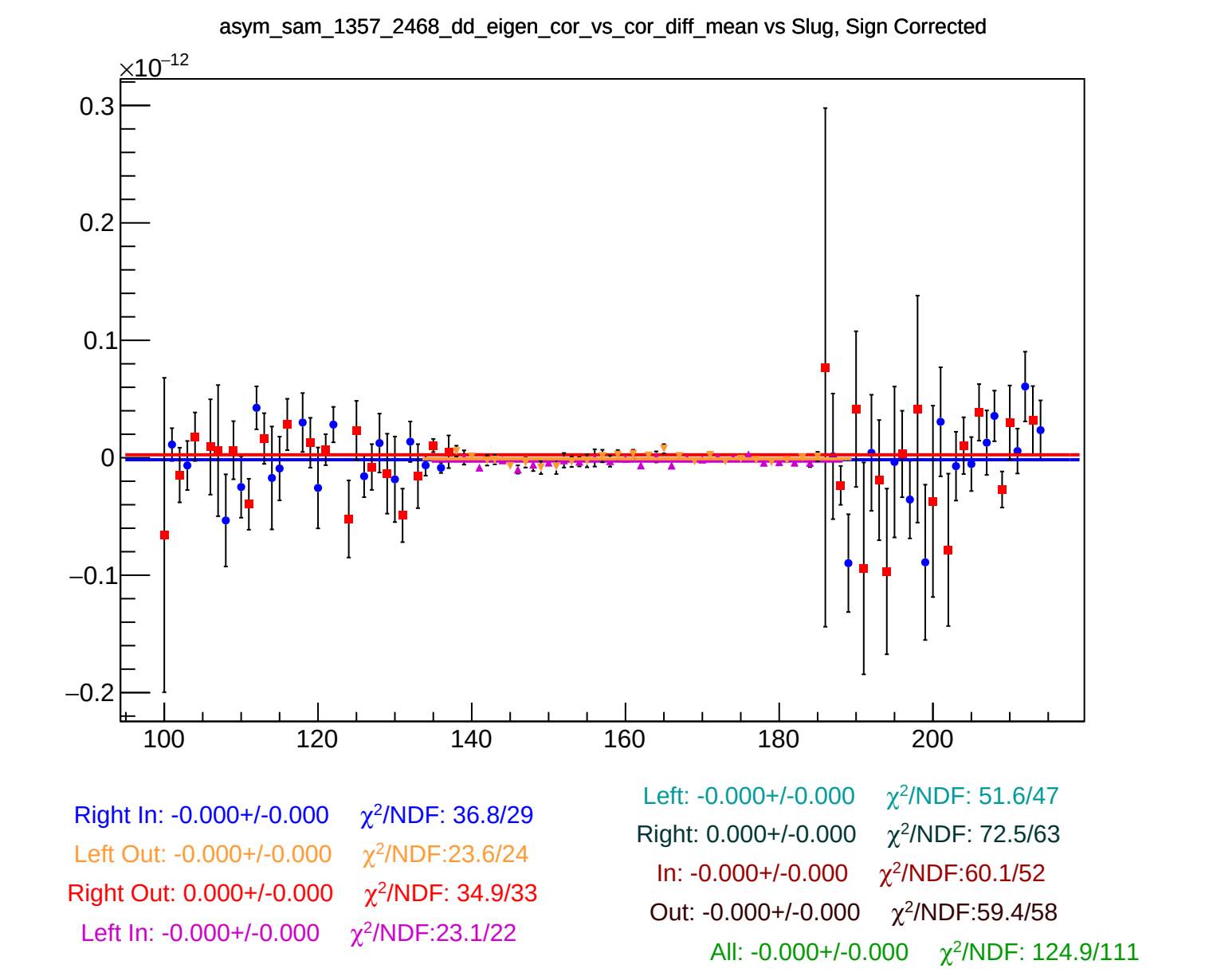
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.422+/-0.002 χ^2/NDF: 4634957.3/63

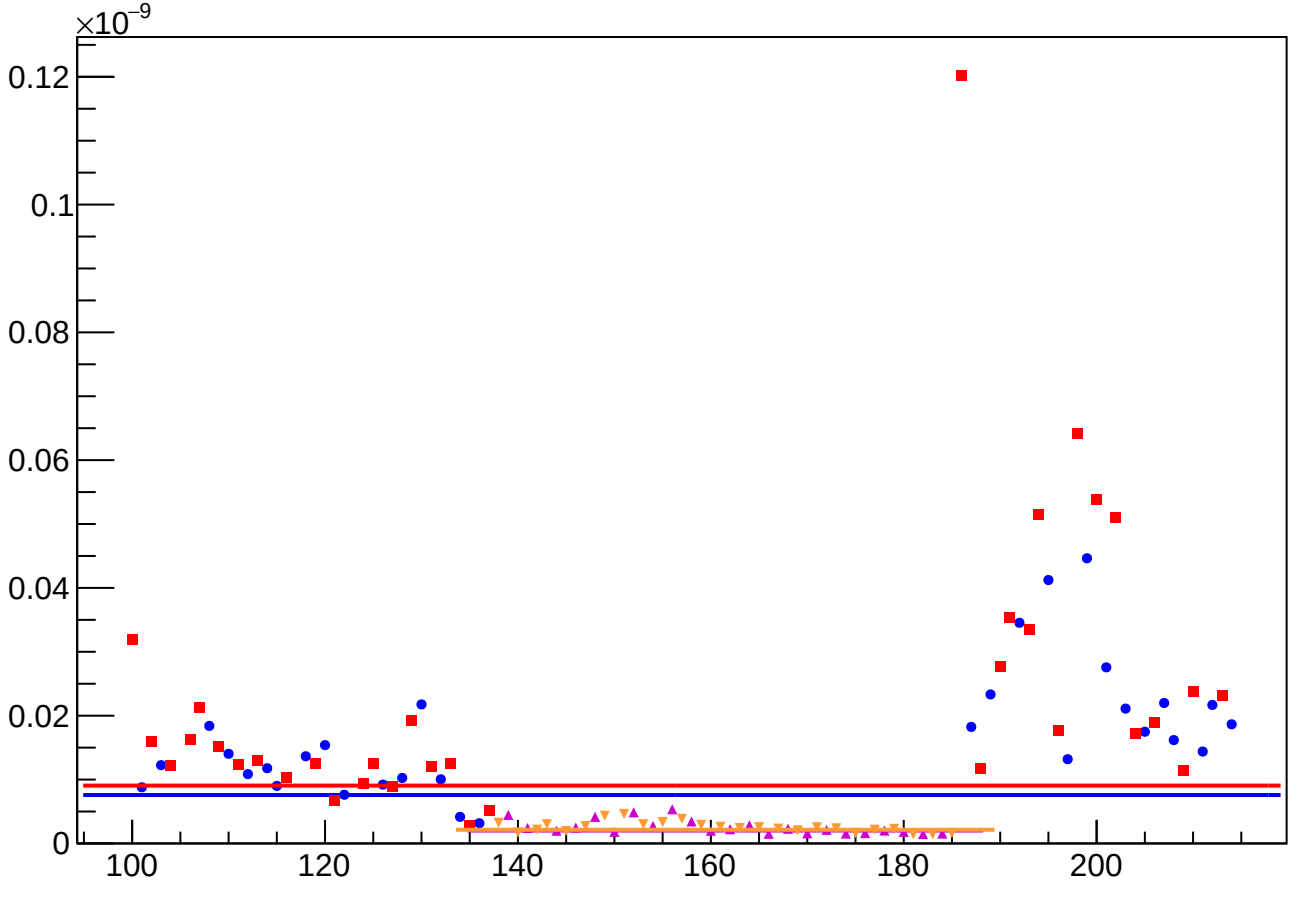
In: 18.019+/-0.002 χ^2/NDF:4600682.8/52

Out: 17.962+/-0.002 χ^2/NDF:5419810.2/58

All: 17.990+/-0.002 χ^2/NDF: 10020825.0/111


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 36.8/29
Left Out: -0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.9/33
Left In: -0.000+/-0.000 χ²/NDF:23.1/22
Left: -0.000+/-0.000 χ²/NDF: 51.6/47
Right: 0.000+/-0.000 χ²/NDF: 72.5/63
In: -0.000+/-0.000 χ²/NDF:60.1/52
Out: -0.000+/-0.000 χ²/NDF:59.4/58
All: -0.000+/-0.000 χ²/NDF: 124.9/111

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

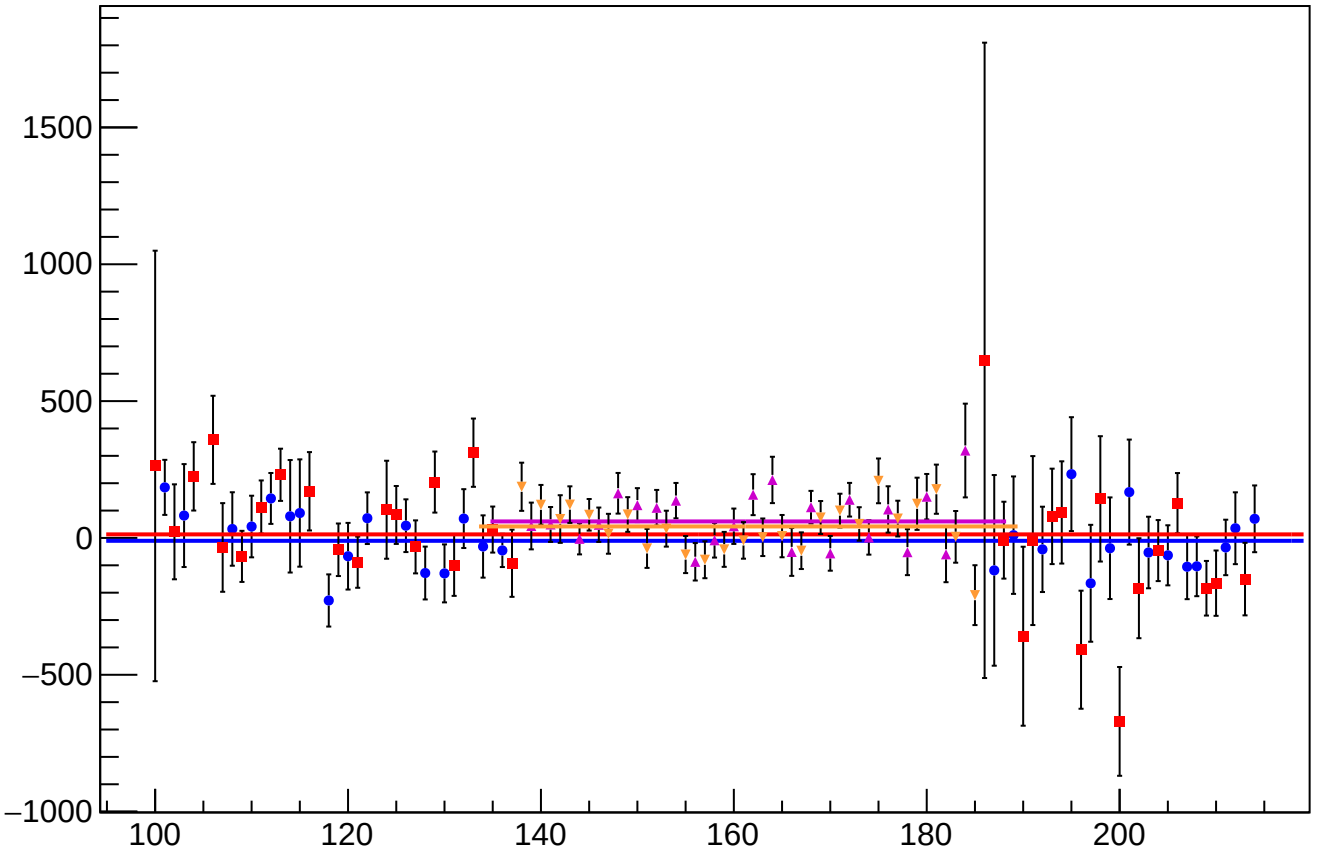
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 18358692.2/63

In: 0.000+/-0.000 χ^2/NDF:17565022.7/52

Out: 0.000+/-0.000 χ^2/NDF:19277434.9/58

All: 0.000+/-0.000 χ^2/NDF: 36875887.7/111



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

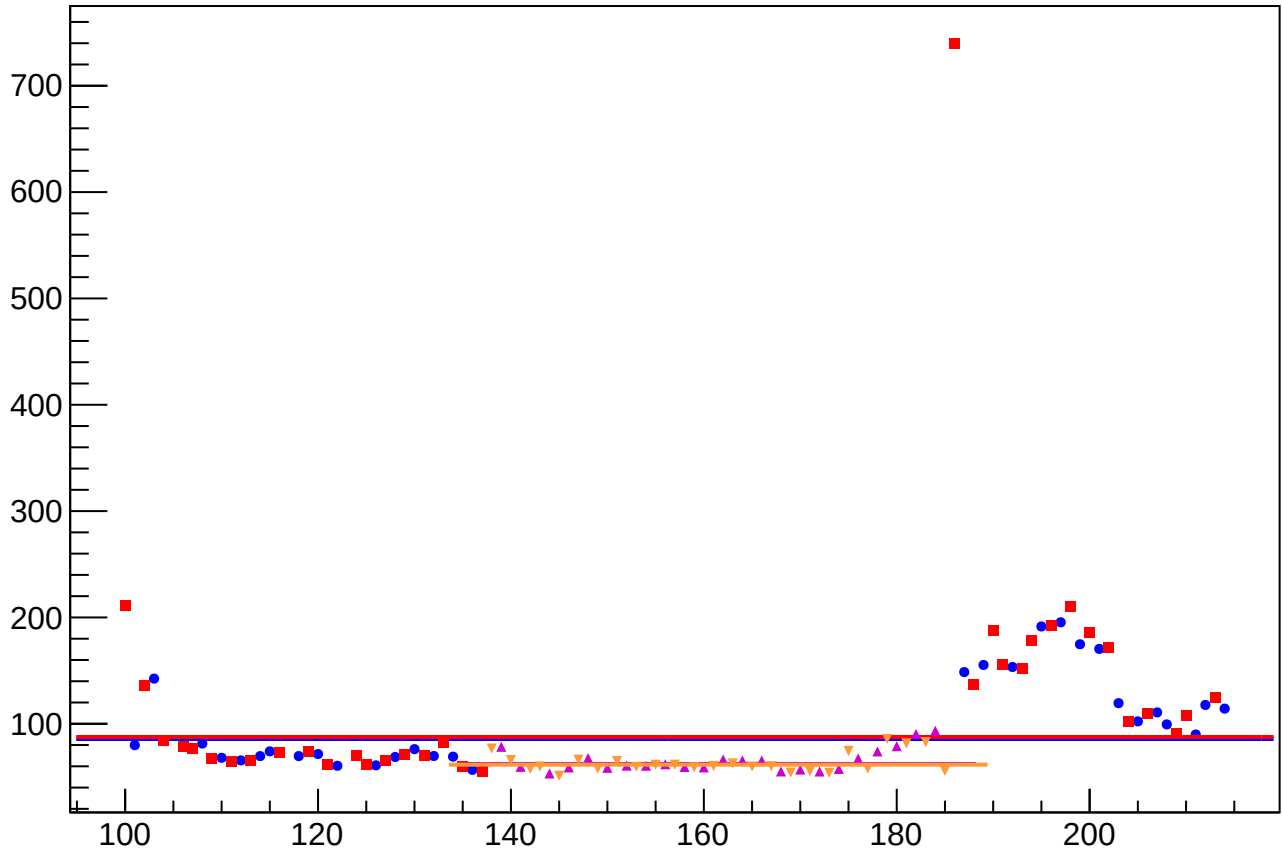
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 1.026+/-15.425 χ^2/NDF: 80.5/63

In: 37.899+/-12.157 χ^2/NDF:62.6/52

Out: 33.532+/-11.928 χ^2/NDF:90.1/58

All: 35.674+/-8.514 χ^2/NDF: 152.8/111



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

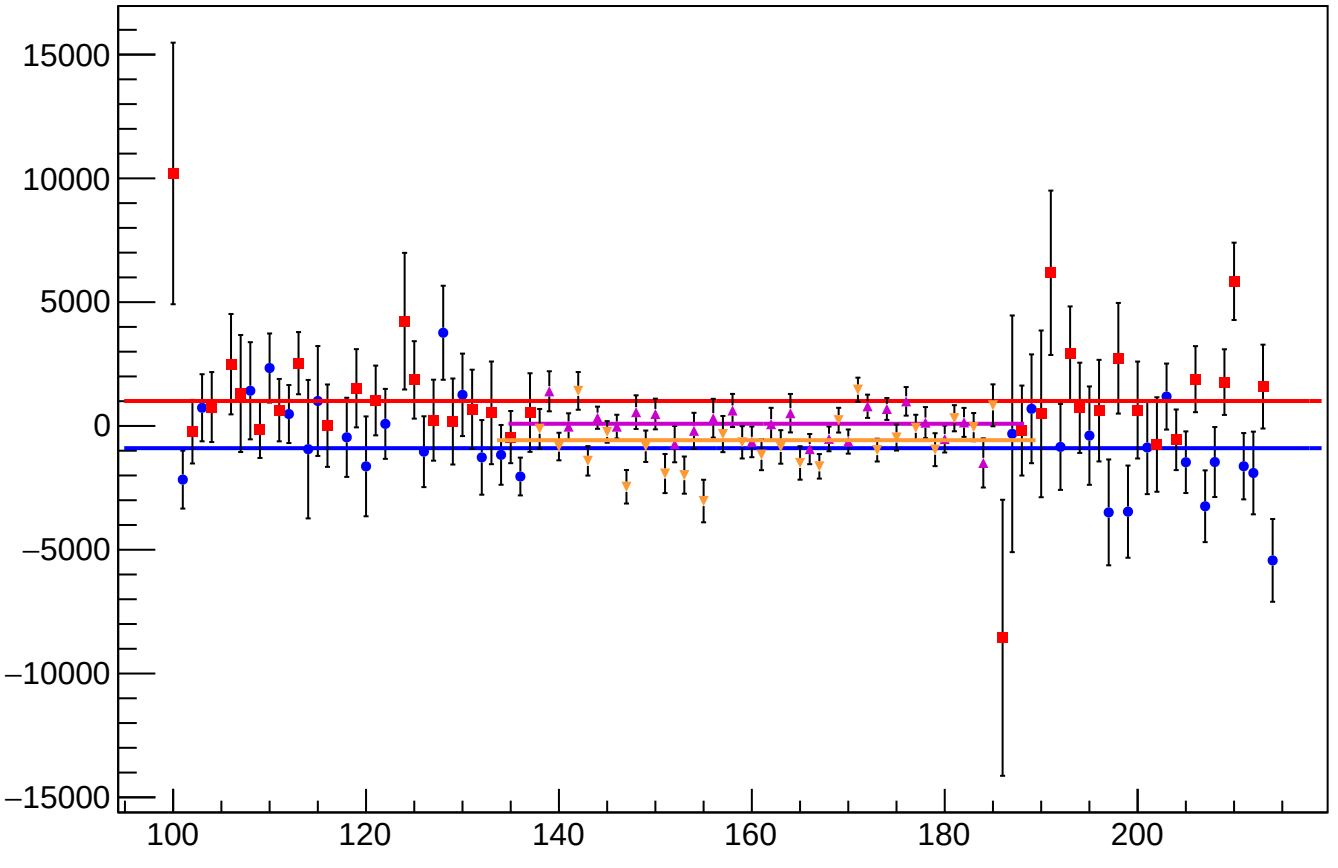
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 86.622+/-0.011 χ^2/NDF: 10059399.1/63

In: 69.615+/-0.009 χ^2/NDF:6632638.8/52

Out: 69.165+/-0.008 χ^2/NDF:8253158.1/58

All: 69.386+/-0.006 χ^2/NDF: 14887188.3/111



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

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

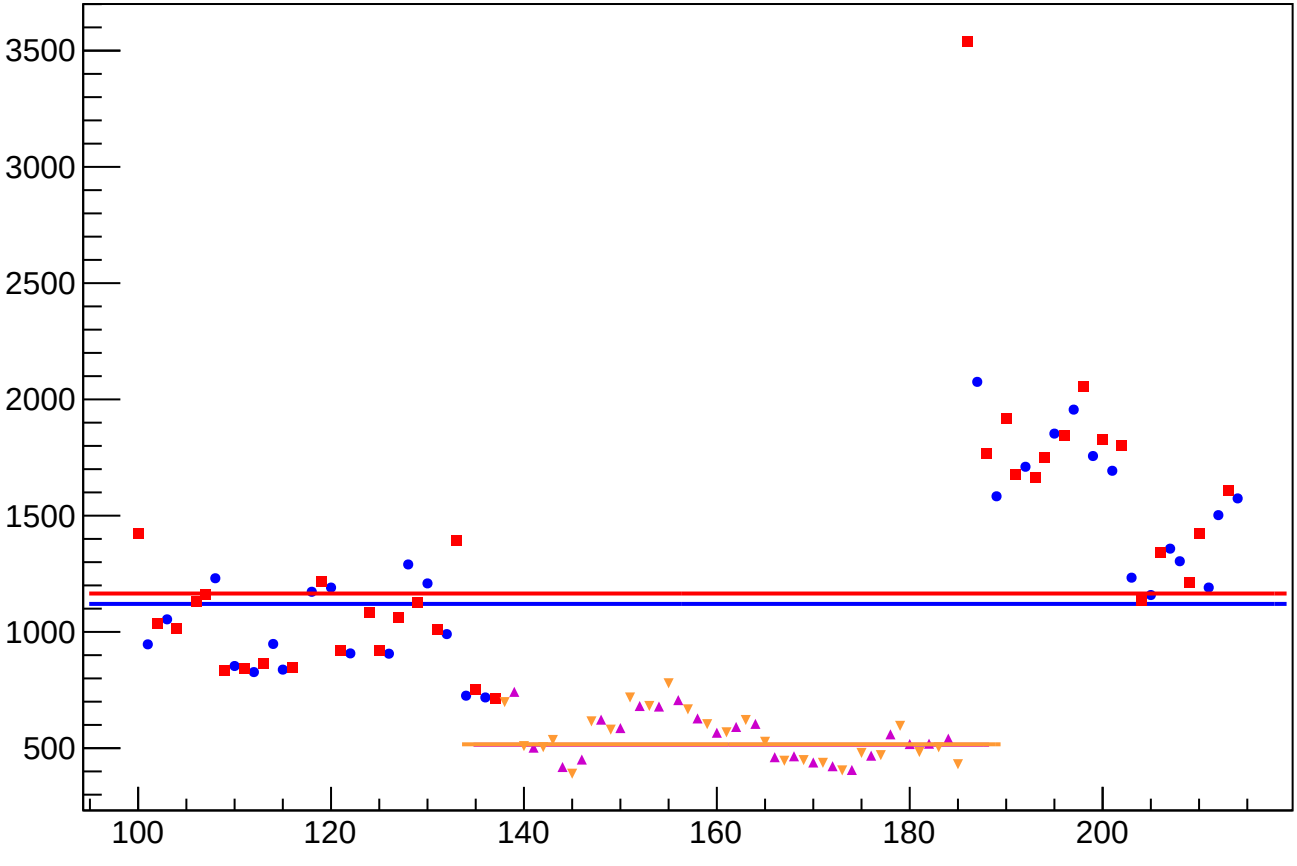
Right: 31.169+/-196.330 χ^2/NDF: 95.5/63

In: -75.651+/-111.841 χ^2/NDF:75.1/52

Out: -331.940+/-110.167 χ^2/NDF:127.9/58

All: -205.728+/-78.485 χ^2/NDF: 205.6/111

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



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

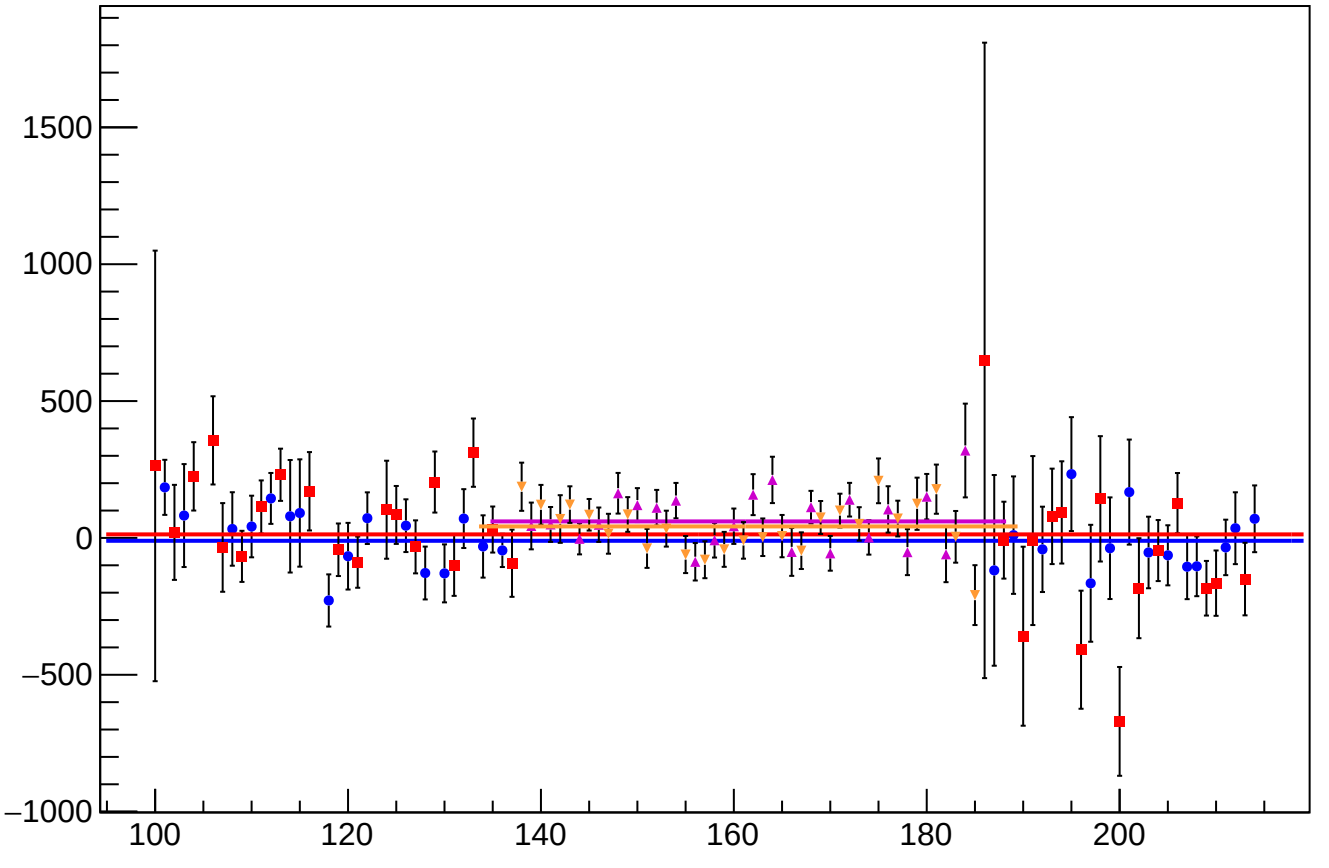
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1142.225+/-0.139 χ^2/NDF: 6442181.8/63

In: 615.537+/-0.079 χ^2/NDF:12205826.6/52

Out: 616.150+/-0.078 χ^2/NDF:13733032.5/58

All: 615.848+/-0.055 χ^2/NDF: 25938889.6/11



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

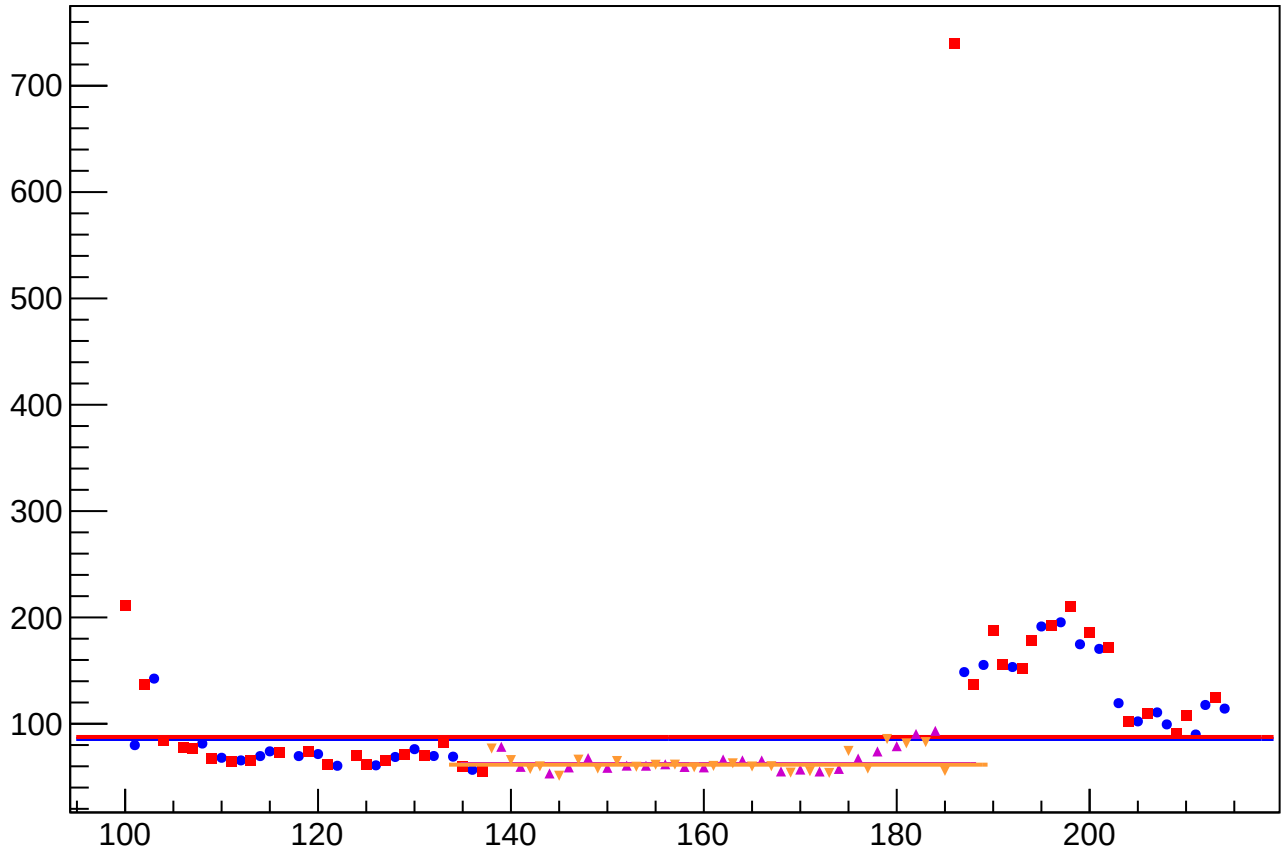
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 0.980+/-15.425 χ^2/NDF: 80.4/63

In: 37.896+/-12.157 χ^2/NDF:62.6/52

Out: 33.511+/-11.928 χ^2/NDF:90.0/58

All: 35.662+/-8.514 χ^2/NDF: 152.7/111



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

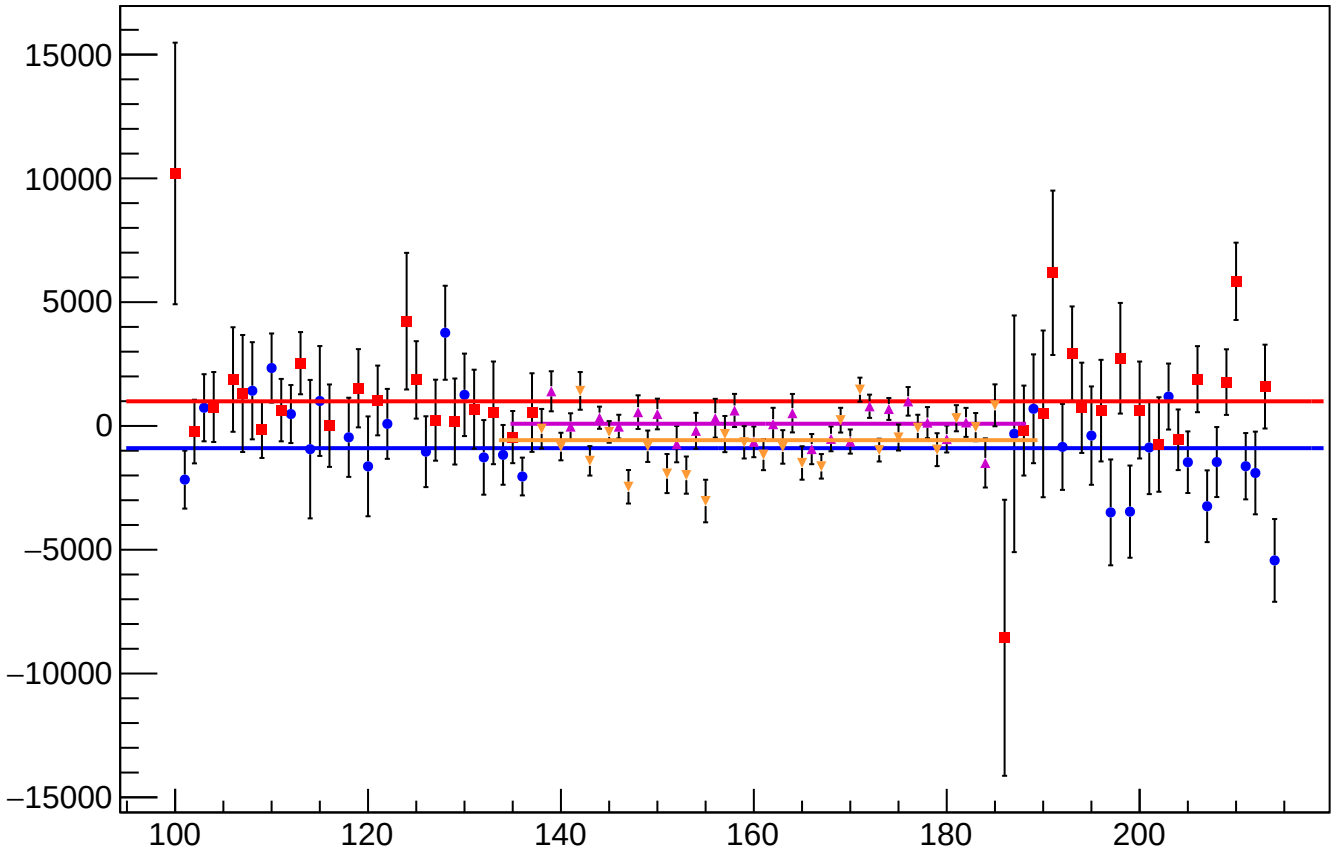
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 86.616+/-0.011 χ^2/NDF: 10060602.2/63

In: 69.615+/-0.009 χ^2/NDF:6632641.9/52

Out: 69.161+/-0.008 χ^2/NDF:8252493.7/58

All: 69.384+/-0.006 χ^2/NDF: 14886551.4/111



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

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

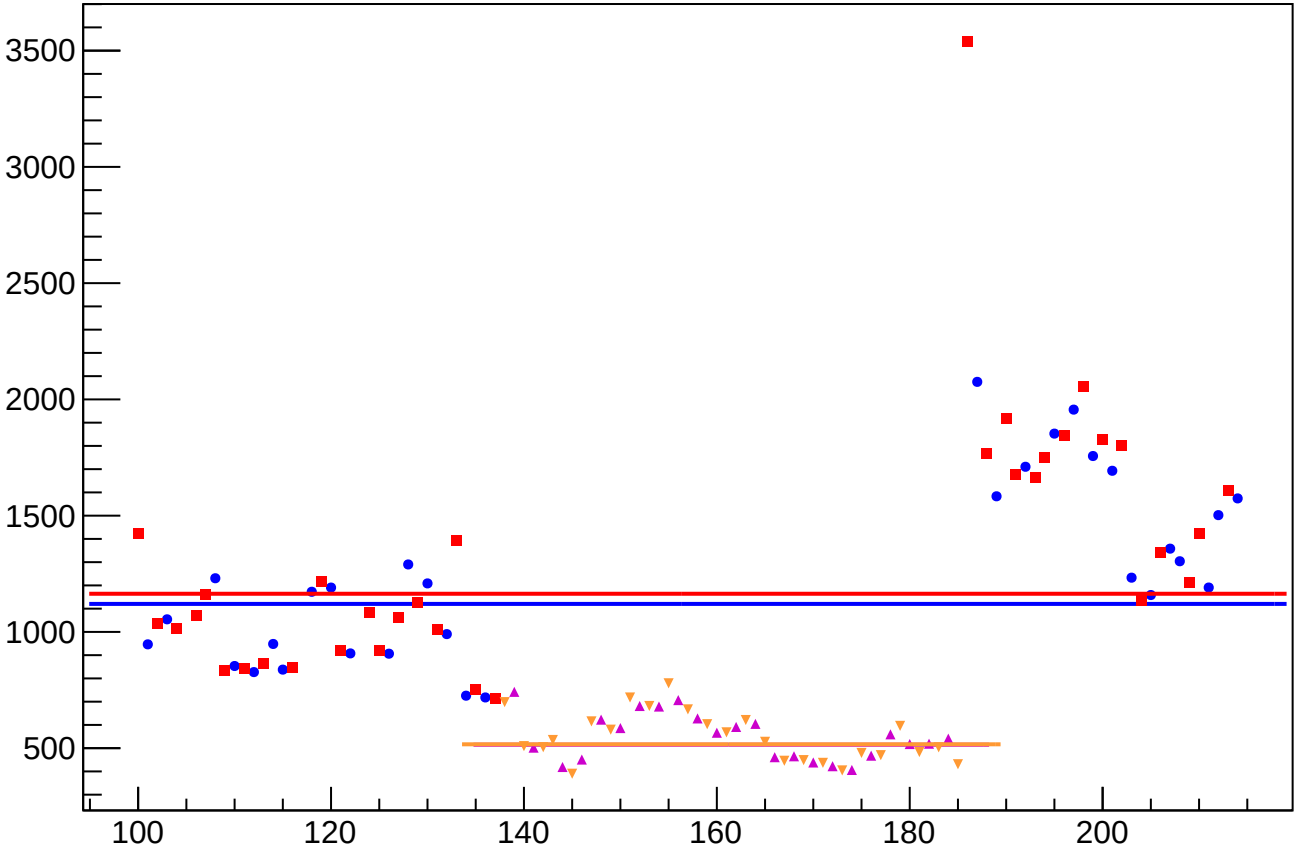
Right: 24.154+/-196.405 χ^2/NDF: 94.8/63

In: -75.648+/-111.841 χ^2/NDF:75.1/52

Out: -334.232+/-110.180 χ^2/NDF:127.0/58

All: -206.874+/-78.490 χ^2/NDF: 204.8/111

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



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

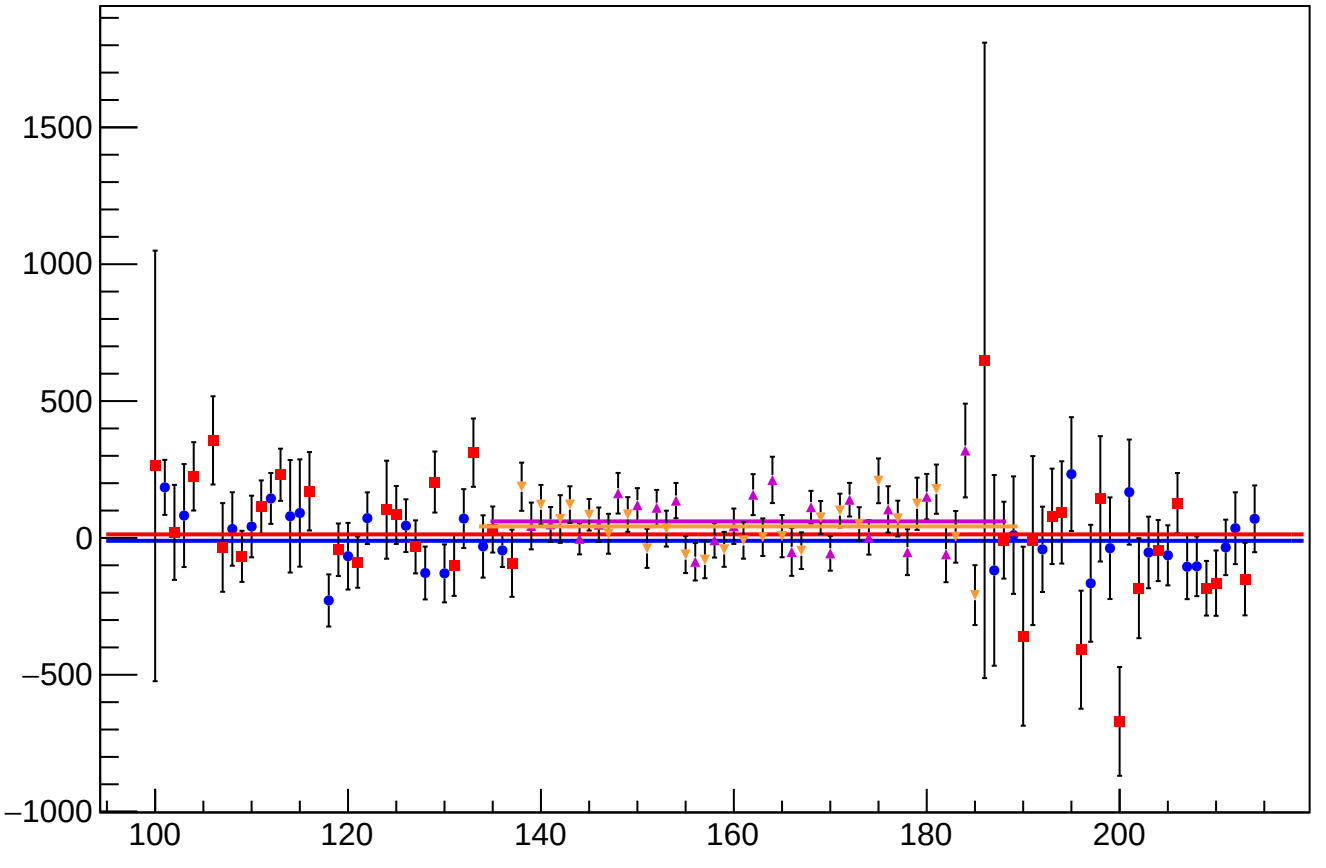
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1141.713+/-0.139 χ^2/NDF: 6444266.4/63

In: 615.537+/-0.079 χ^2/NDF:12205868.4/52

Out: 615.862+/-0.078 χ^2/NDF:13696176.6/58

All: 615.702+/-0.056 χ^2/NDF: 25902053.6/11



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

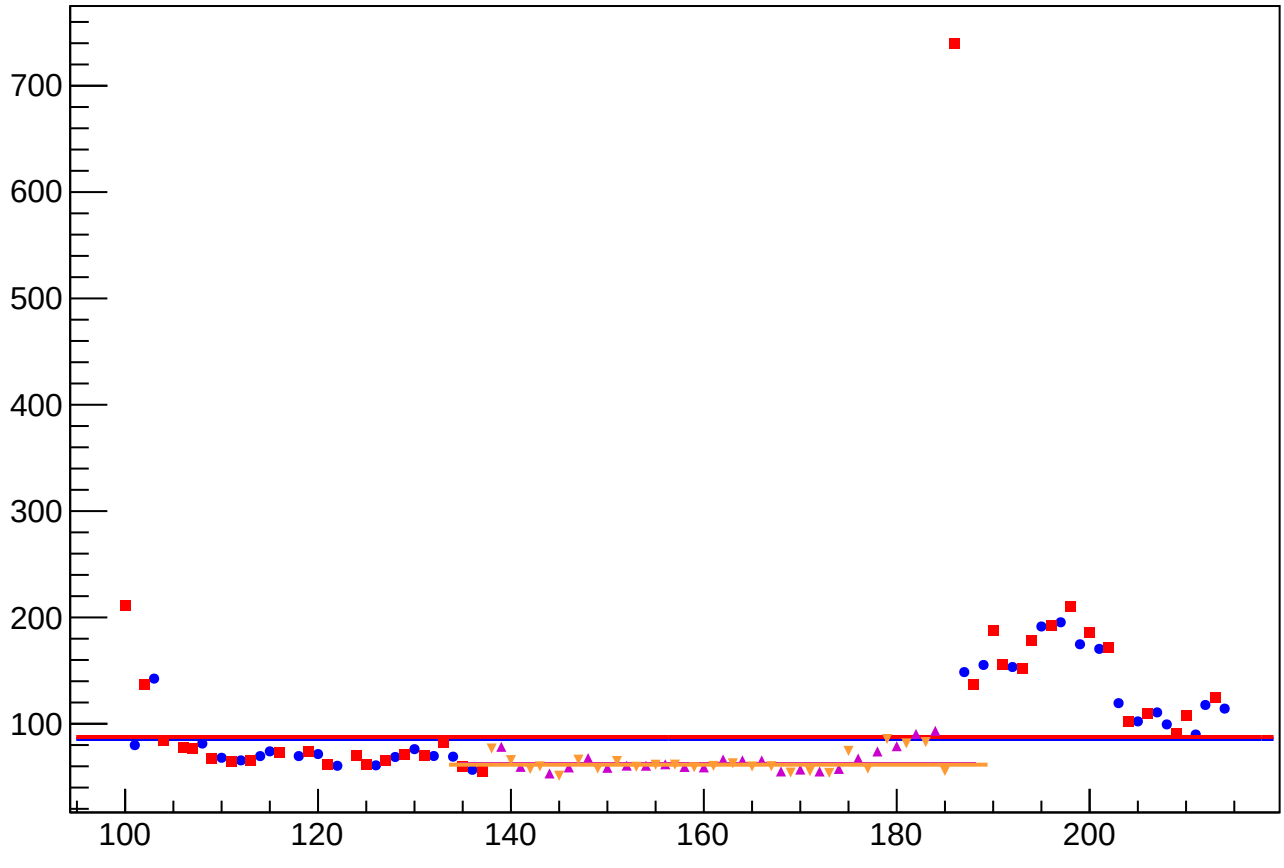
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 0.980+/-15.425 χ^2/NDF: 80.4/63

In: 37.896+/-12.157 χ^2/NDF:62.6/52

Out: 33.511+/-11.928 χ^2/NDF:90.0/58

All: 35.662+/-8.514 χ^2/NDF: 152.7/111



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

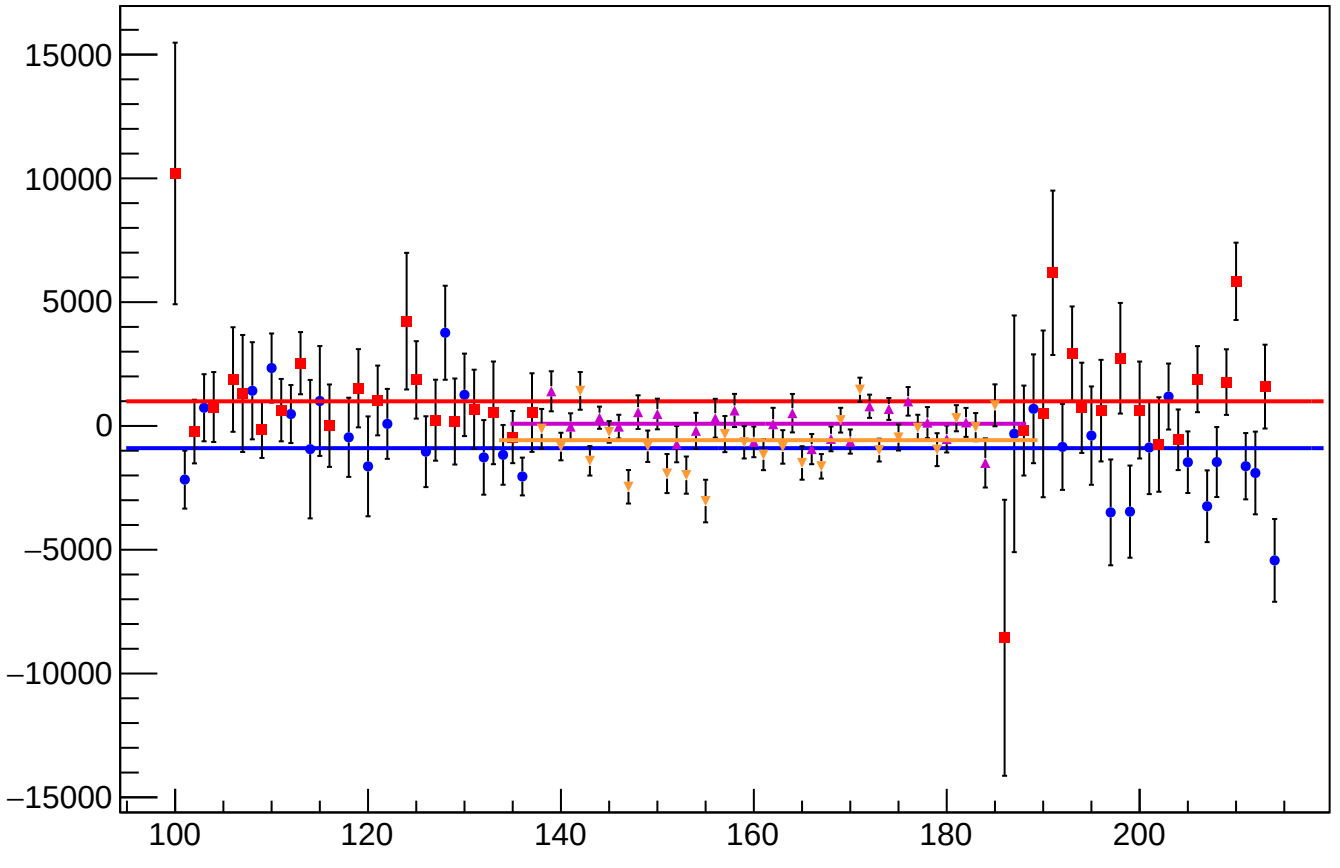
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 86.616+/-0.011 χ^2/NDF: 10060602.2/63

In: 69.615+/-0.009 χ^2/NDF:6632641.9/52

Out: 69.161+/-0.008 χ^2/NDF:8252493.7/58

All: 69.384+/-0.006 χ^2/NDF: 14886551.4/111



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

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

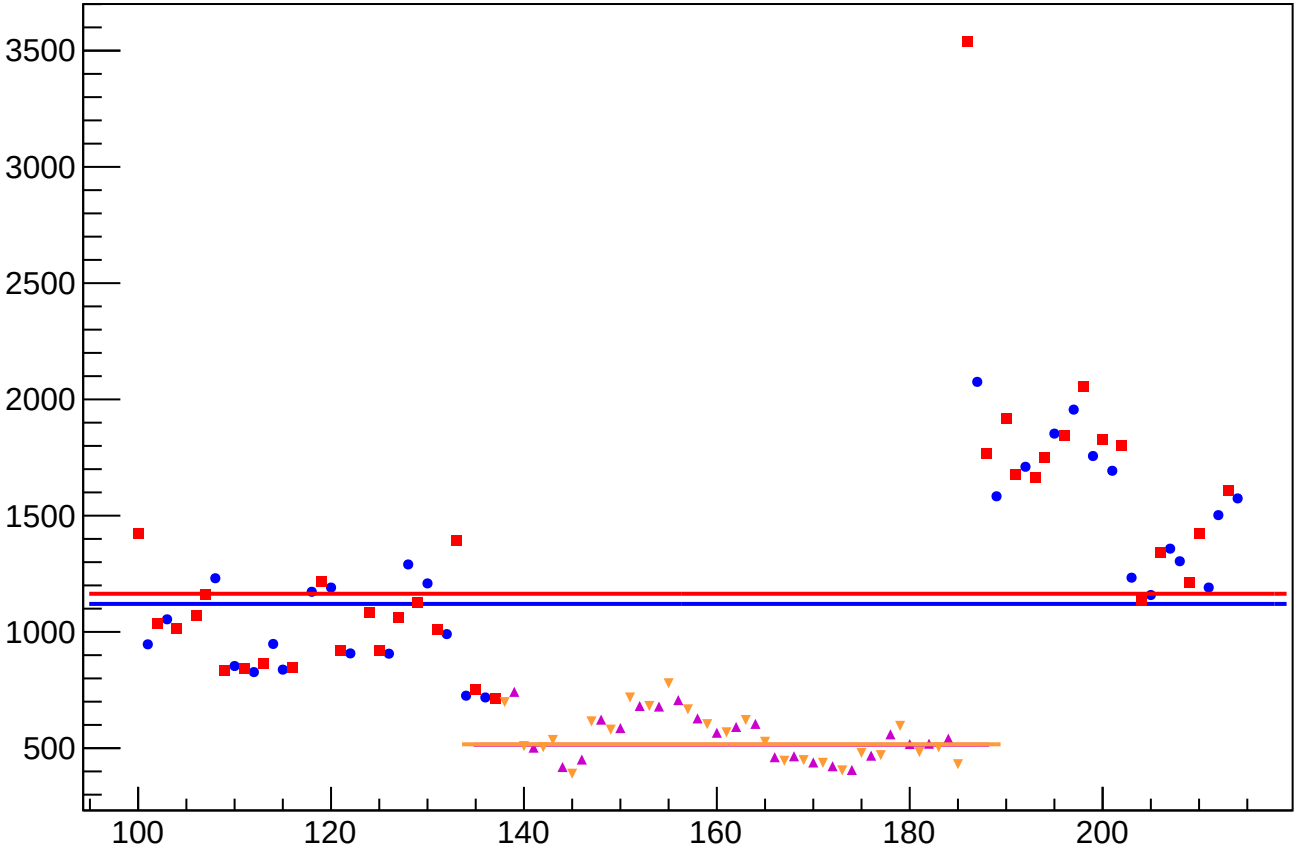
Right: 24.154+/-196.405 χ^2/NDF: 94.8/63

In: -75.648+/-111.841 χ^2/NDF:75.1/52

Out: -334.232+/-110.180 χ^2/NDF:127.0/58

All: -206.874+/-78.490 χ^2/NDF: 204.8/111

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

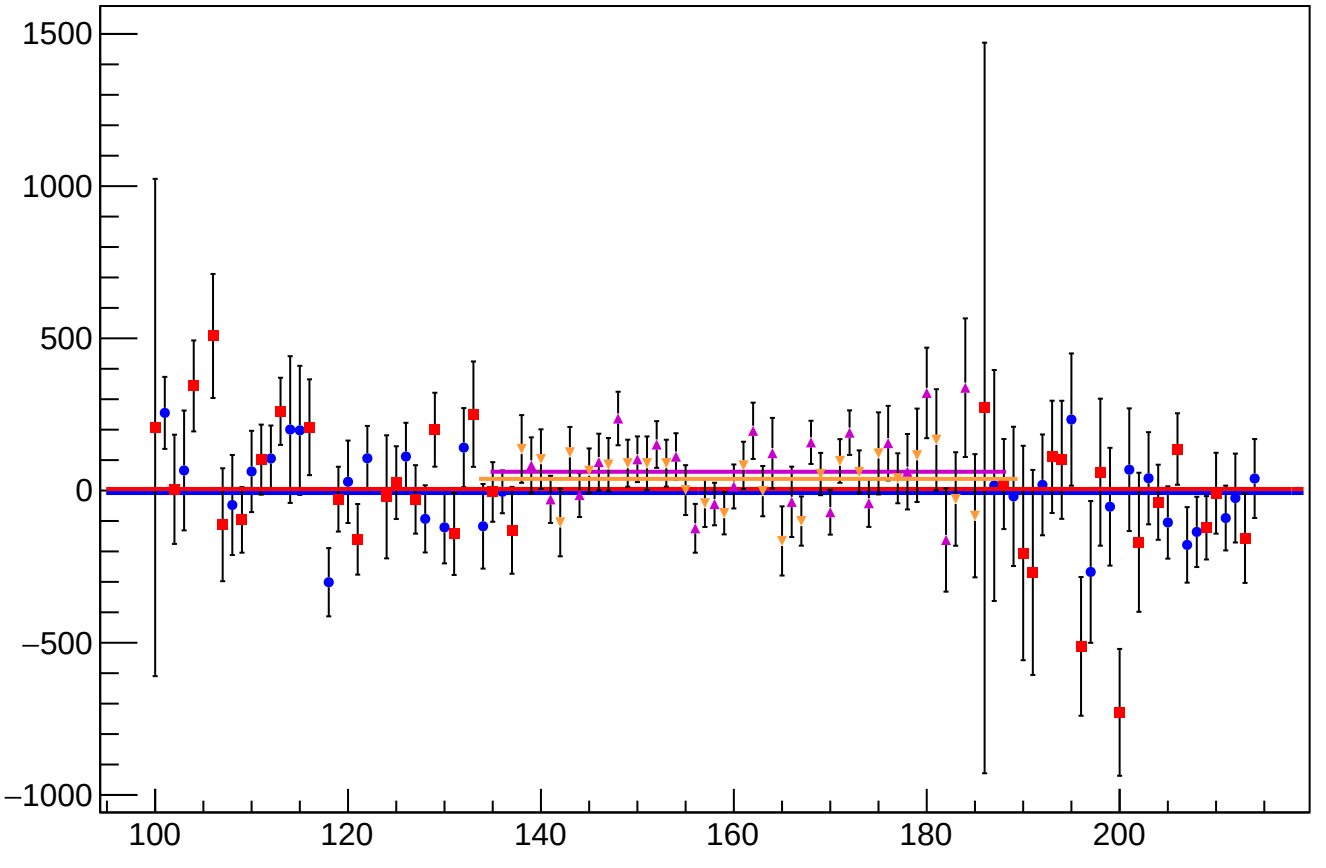
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1141.713+/-0.139 χ^2/NDF: 6444266.4/63

In: 615.537+/-0.079 χ^2/NDF:12205868.4/52

Out: 615.862+/-0.078 χ^2/NDF:13696176.6/58

All: 615.702+/-0.056 χ^2/NDF: 25902053.6/11



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

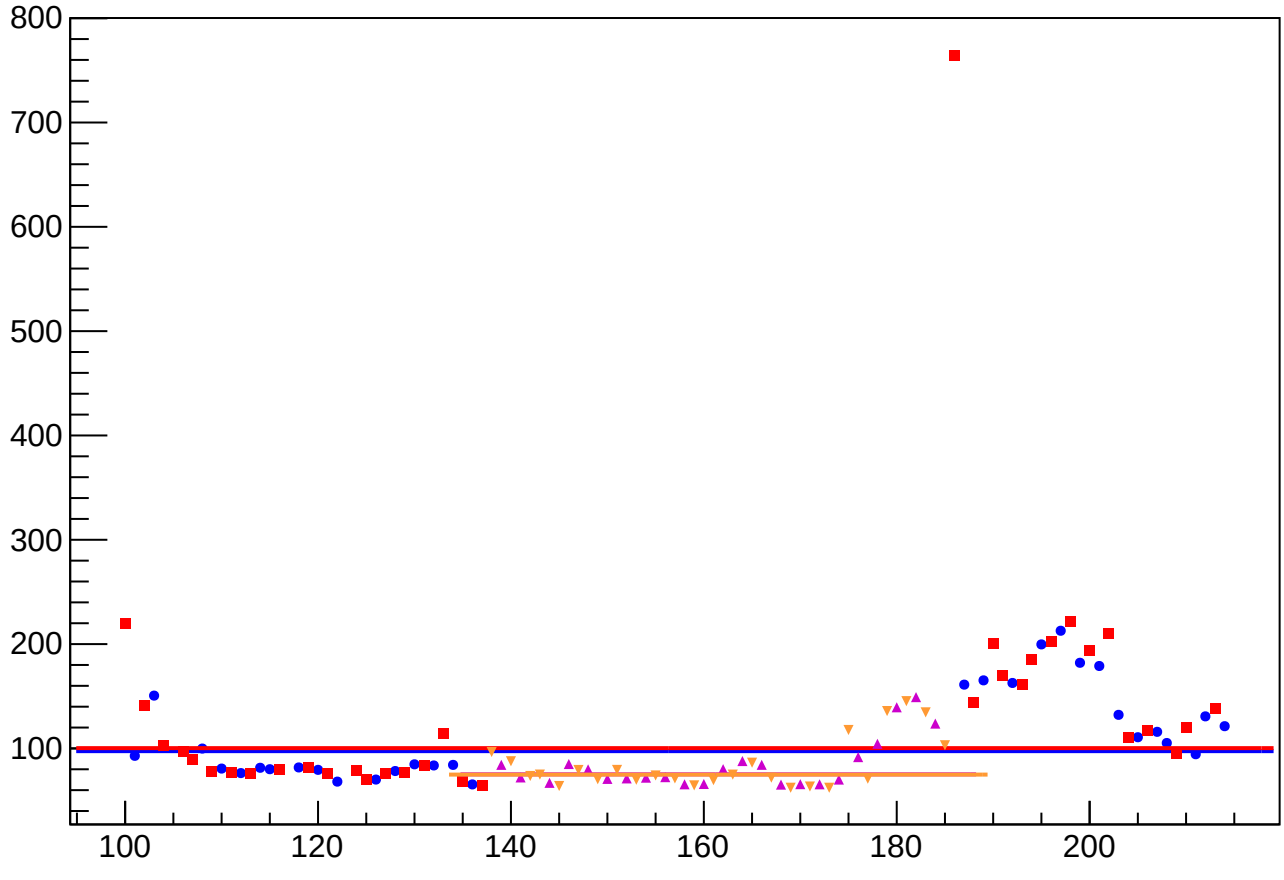
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -1.699+/-17.459 χ^2/NDF: 81.6/63

In: 36.666+/-14.570 χ^2/NDF:70.2/52

Out: 27.286+/-14.441 χ^2/NDF:73.2/58

All: 31.935+/-10.257 χ^2/NDF: 143.6/111



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

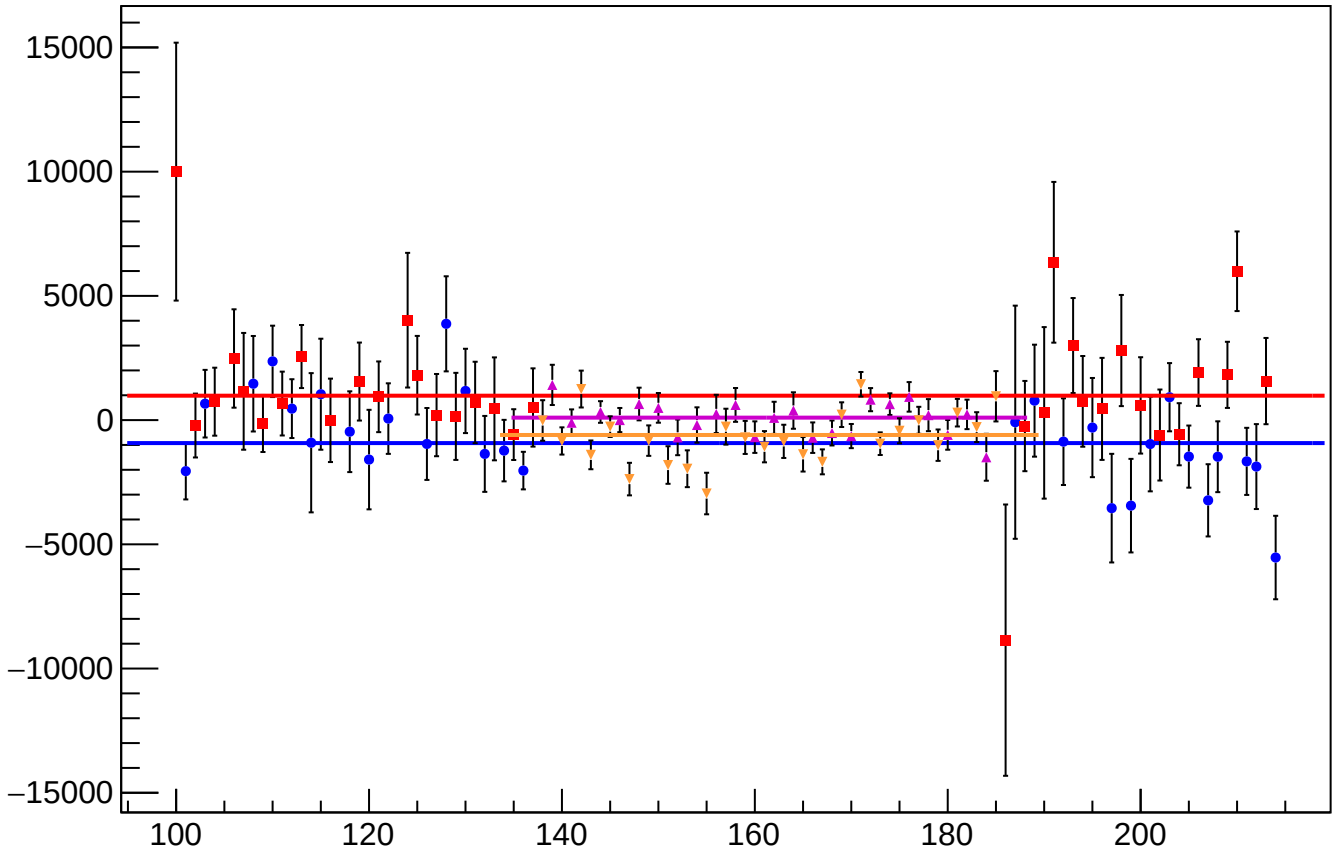
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 98.783+/-0.012 χ^2/NDF: 8673445.3/63

In: 83.124+/-0.010 χ^2/NDF:6090399.5/52

Out: 83.325+/-0.010 χ^2/NDF:7982345.0/58

All: 83.225+/-0.007 χ^2/NDF: 14072937.0/11



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

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

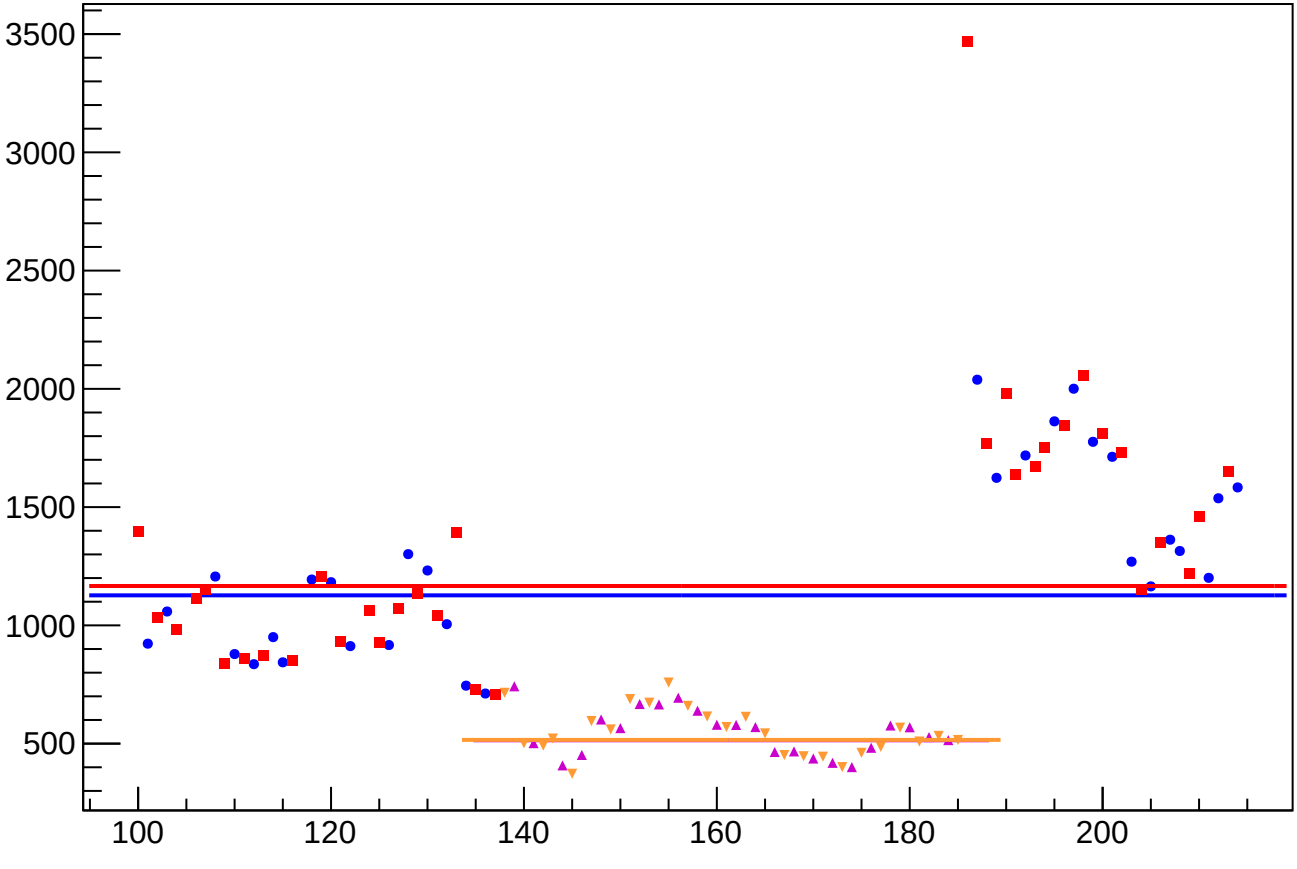
Right: 9.885+/-197.082 χ^2/NDF: 95.7/63

In: -69.005+/-111.821 χ^2/NDF:74.0/52

Out: -357.996+/-109.863 χ^2/NDF:125.3/58

All: -216.053+/-78.368 χ^2/NDF: 202.7/111

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



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

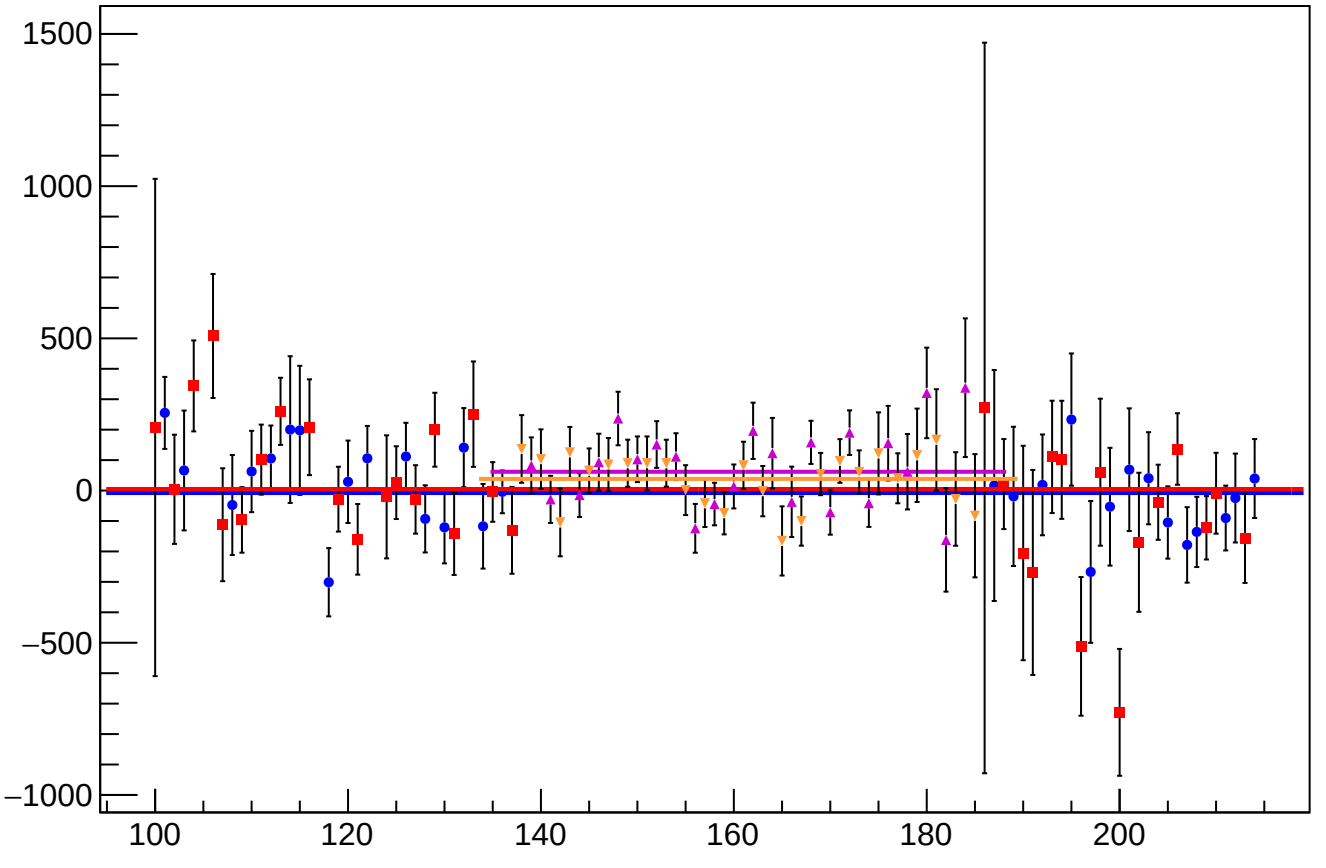
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1146.300+/-0.139 χ^2/NDF: 6522029.9/63

In: 614.699+/-0.079 χ^2/NDF:12376863.9/52

Out: 614.848+/-0.078 χ^2/NDF:13774315.4/58

All: 614.775+/-0.055 χ^2/NDF: 26151181.1/11



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

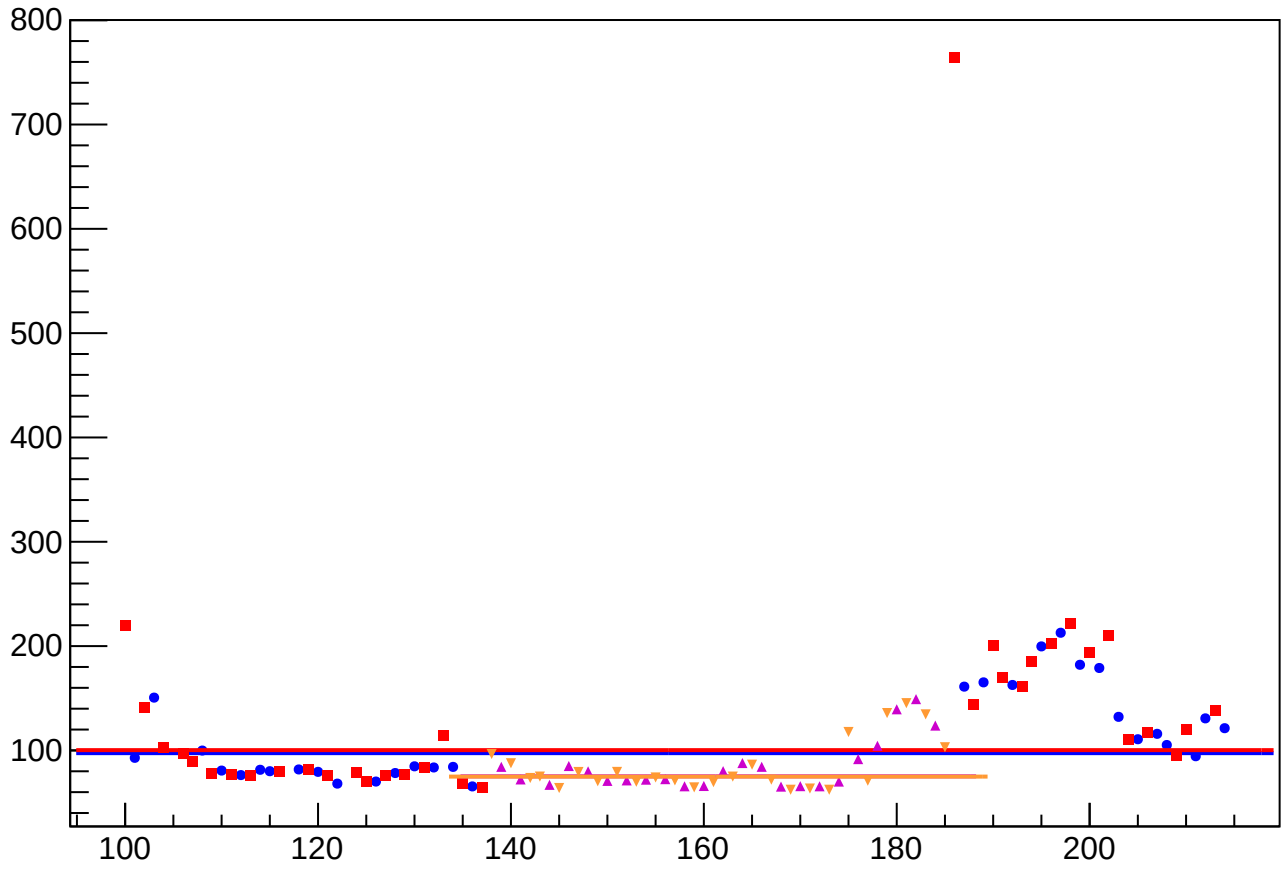
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -1.700+/-17.459 χ^2/NDF: 81.6/63

In: 36.666+/-14.570 χ^2/NDF:70.2/52

Out: 27.286+/-14.441 χ^2/NDF:73.2/58

All: 31.934+/-10.257 χ^2/NDF: 143.6/111



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

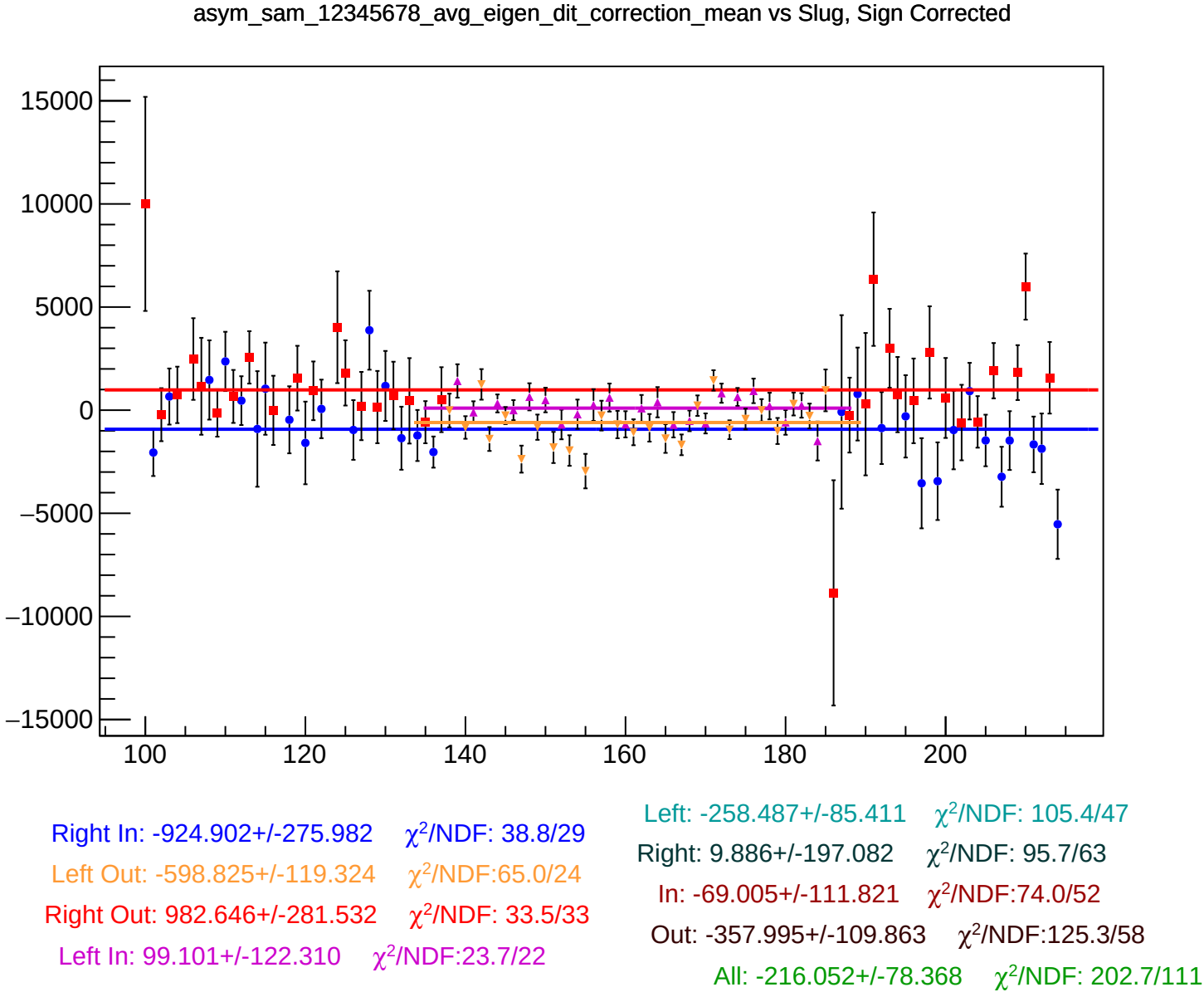
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 98.783+/-0.012 χ^2/NDF: 8673486.6/63

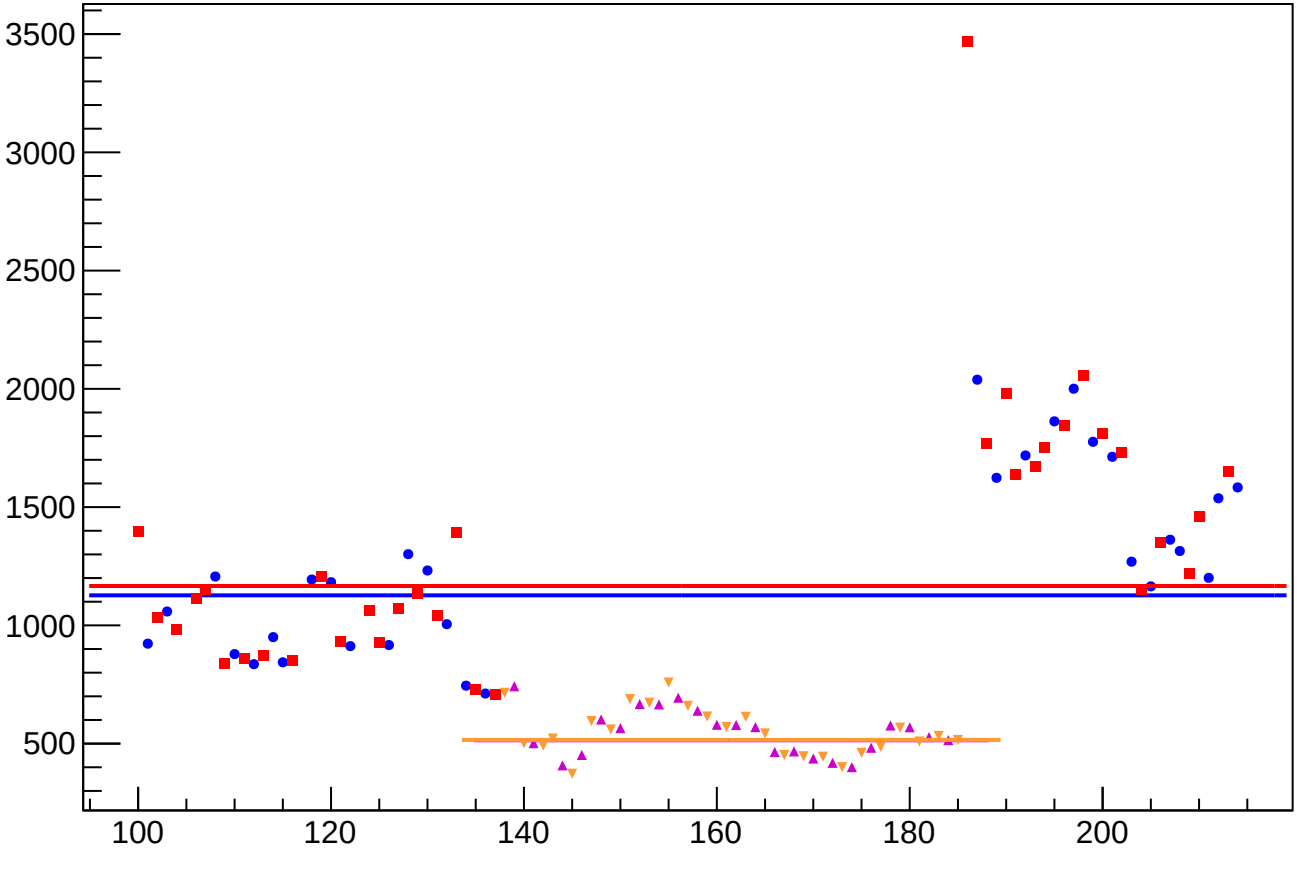
In: 83.124+/-0.010 χ^2/NDF:6090352.1/52

Out: 83.325+/-0.010 χ^2/NDF:7982327.8/58

All: 83.225+/-0.007 χ^2/NDF: 14072872.3/111


asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -924.902+/-275.982 χ²/NDF: 38.8/29
Left Out: -598.825+/-119.324 χ²/NDF:65.0/24
Right Out: 982.646+/-281.532 χ²/NDF: 33.5/33
Left In: 99.101+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 9.886+/-197.082 χ²/NDF: 95.7/63
In: -69.005+/-111.821 χ²/NDF:74.0/52
Out: -357.995+/-109.863 χ²/NDF:125.3/58
All: -216.052+/-78.368 χ²/NDF: 202.7/111

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

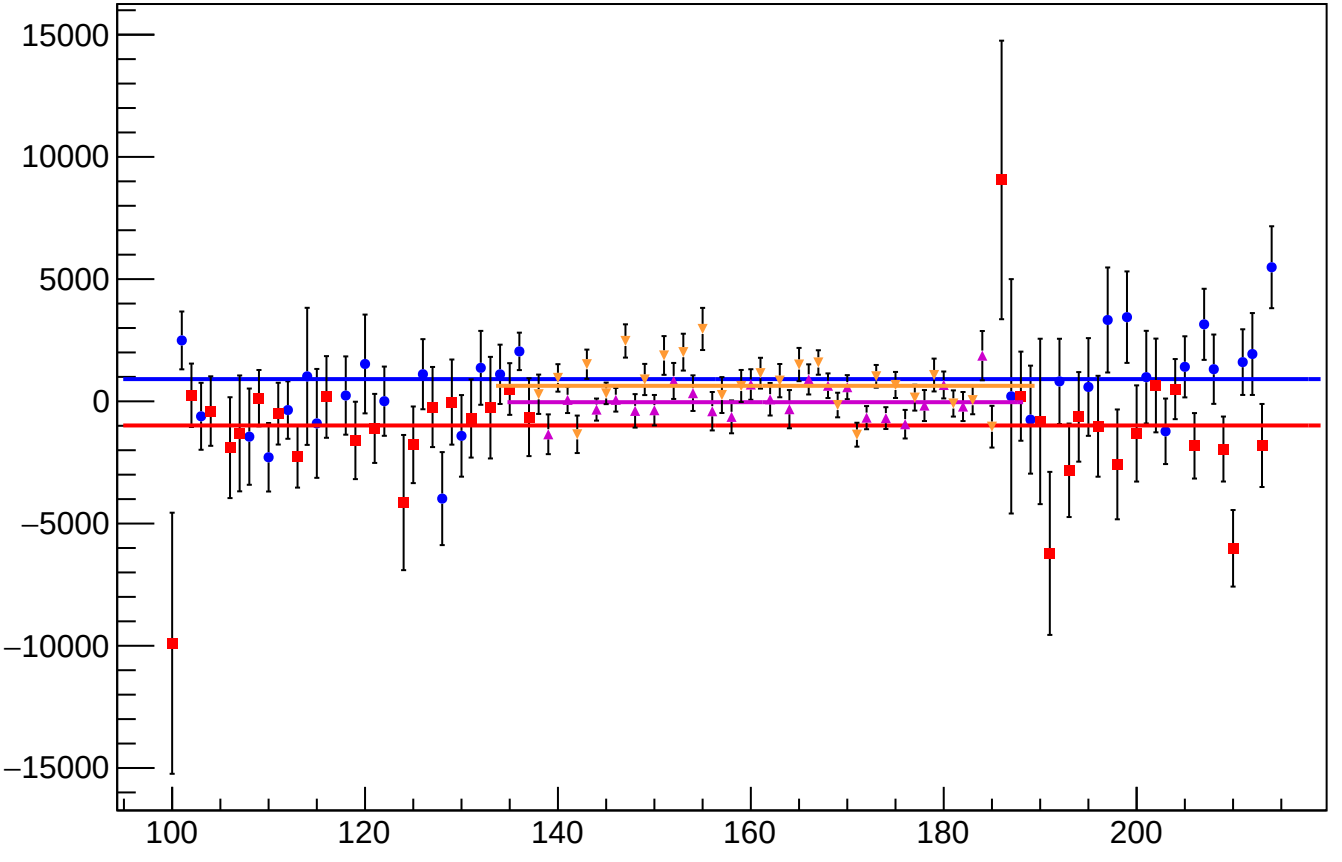
Right: 1146.298+/-0.139 χ^2/NDF: 6522051.9/63

In: 614.698+/-0.079 χ^2/NDF:12376869.0/52

Out: 614.847+/-0.078 χ^2/NDF:13774326.8/58

All: 614.774+/-0.055 χ^2/NDF: 26151197.6/1

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

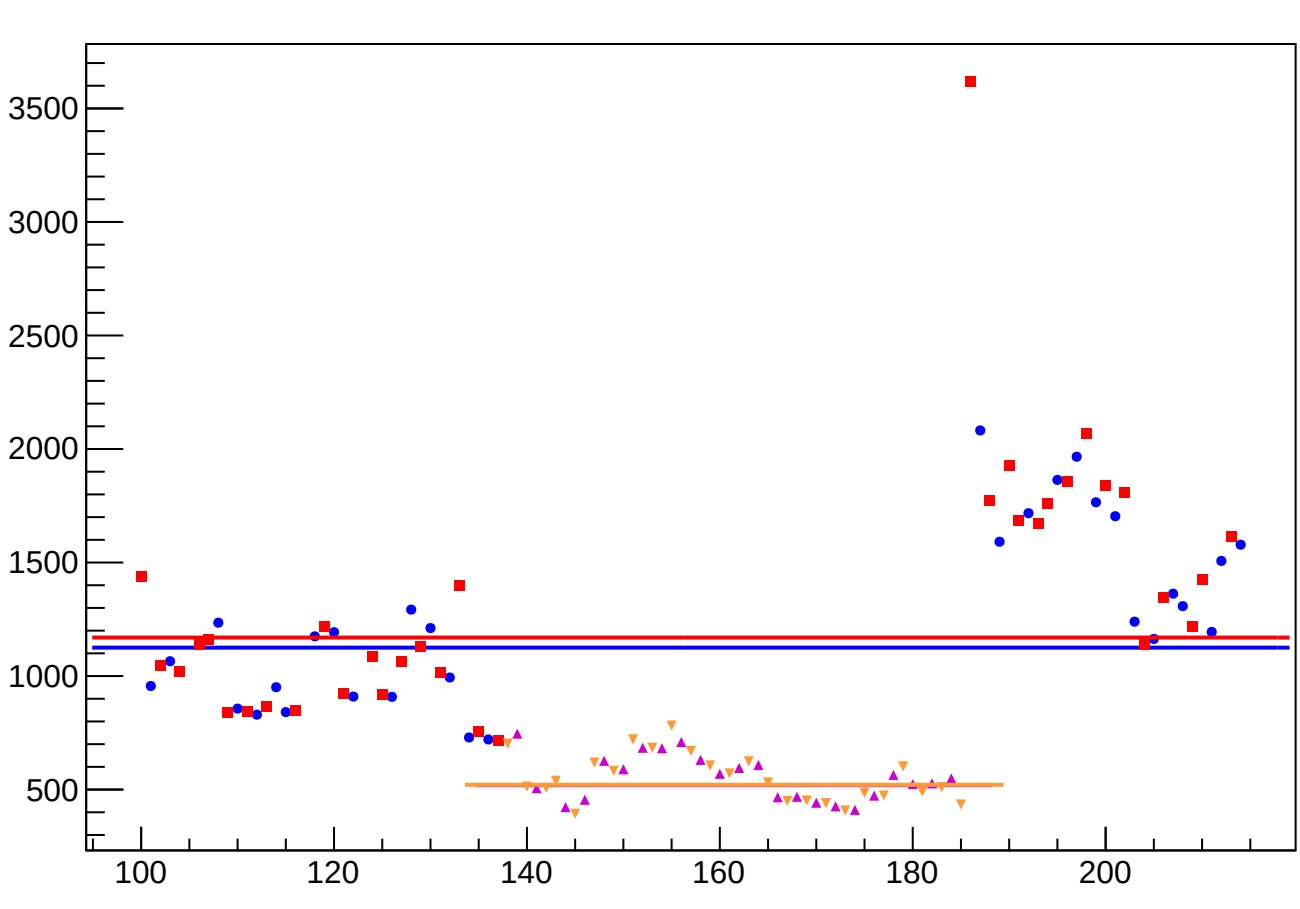
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -15.033+/-197.155 χ^2/NDF: 95.4/63

In: 123.344+/-112.699 χ^2/NDF:74.9/52

Out: 384.182+/-111.001 χ^2/NDF:124.6/58

All: 255.743+/-79.083 χ^2/NDF: 202.3/111



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

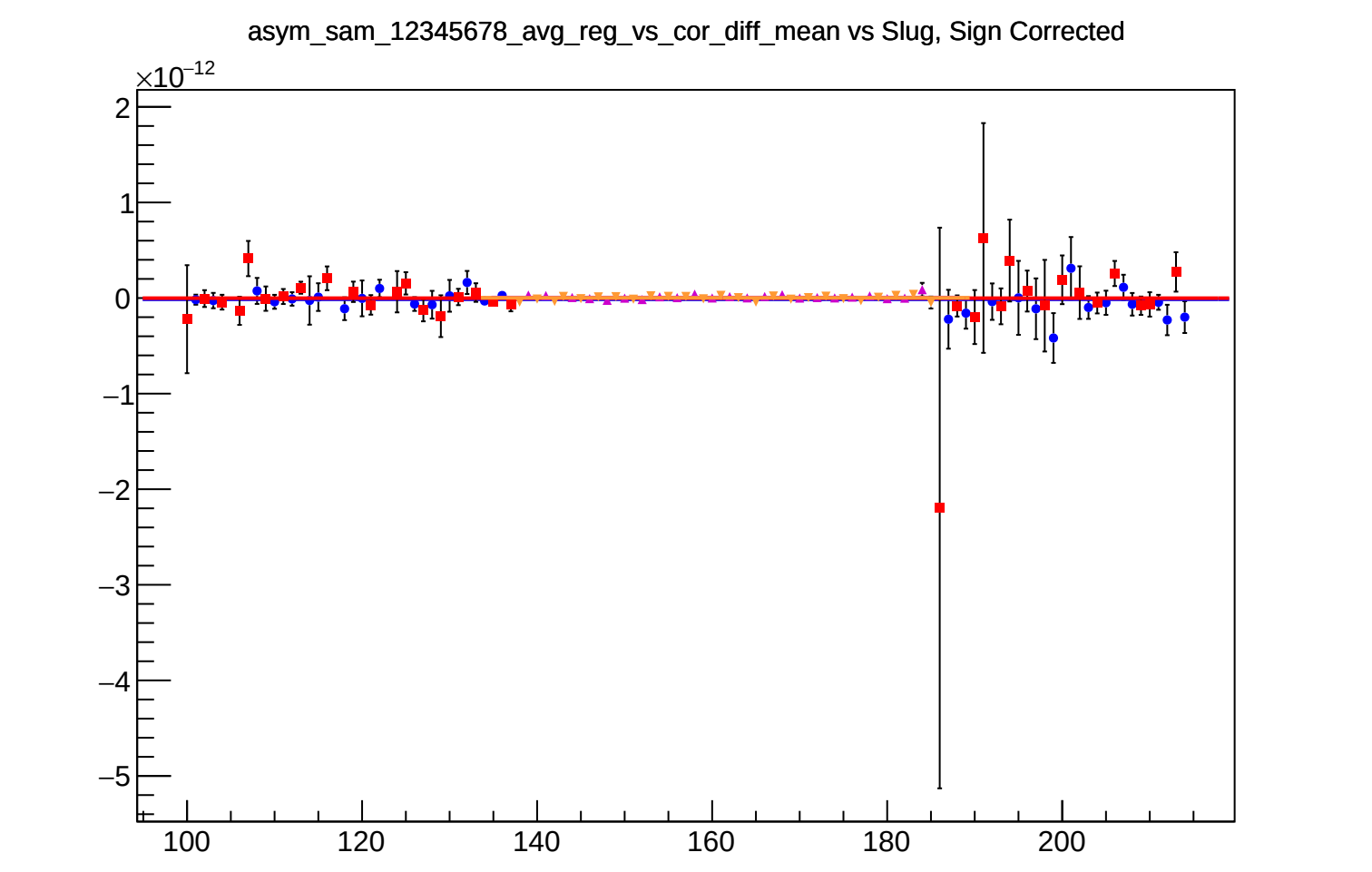
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1146.809+/-0.139 χ^2/NDF: 6456452.6/63

In: 620.733+/-0.080 χ^2/NDF:12114388.9/52

Out: 621.221+/-0.078 χ^2/NDF:13640454.8/58

All: 620.981+/-0.056 χ^2/NDF: 25754862.7/1



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

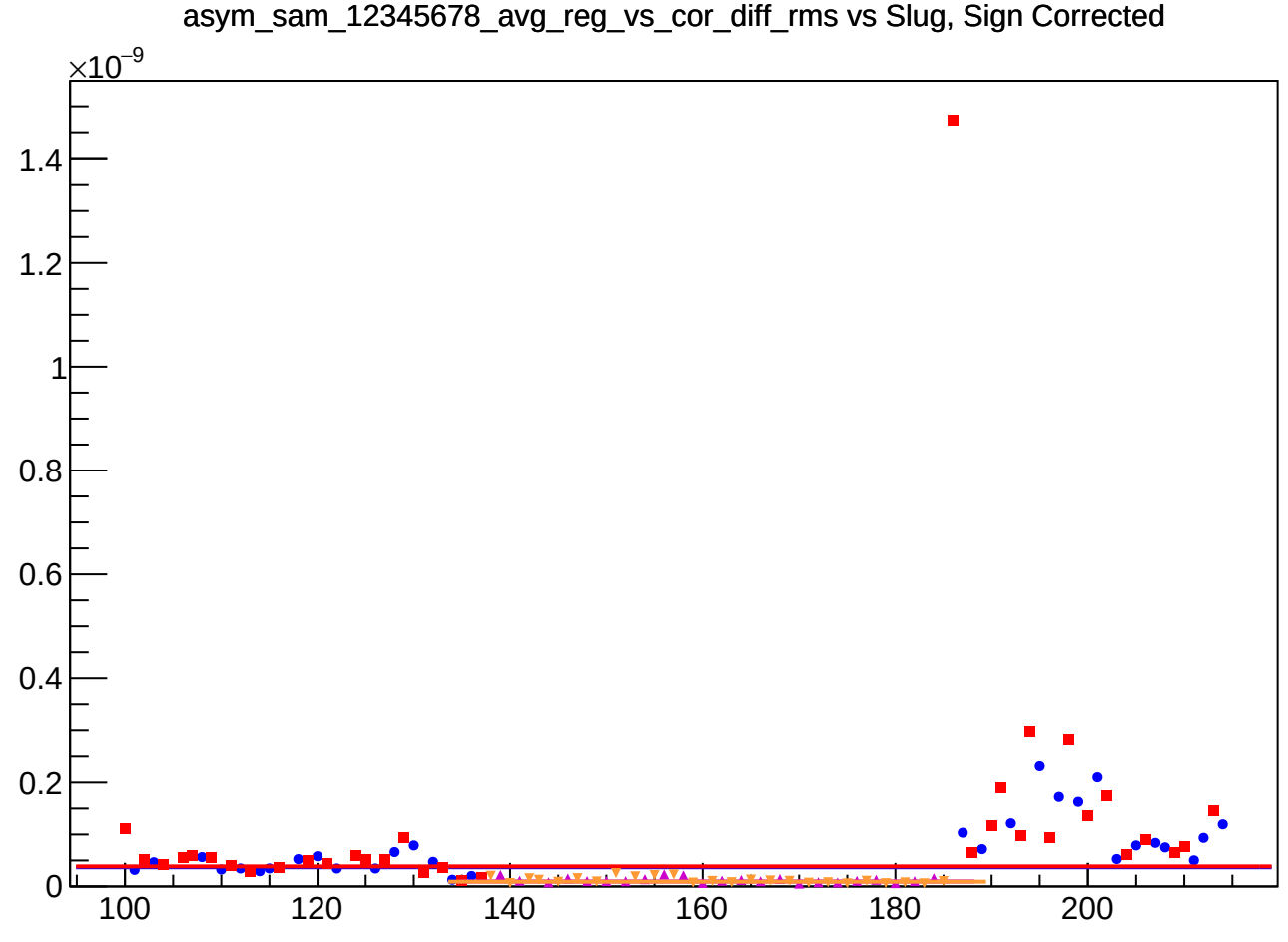
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 47.4/63

In: 0.000+/-0.000 χ^2/NDF:29.2/52

Out: 0.000+/-0.000 χ^2/NDF:52.4/58

All: 0.000+/-0.000 χ^2/NDF: 81.7/111



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

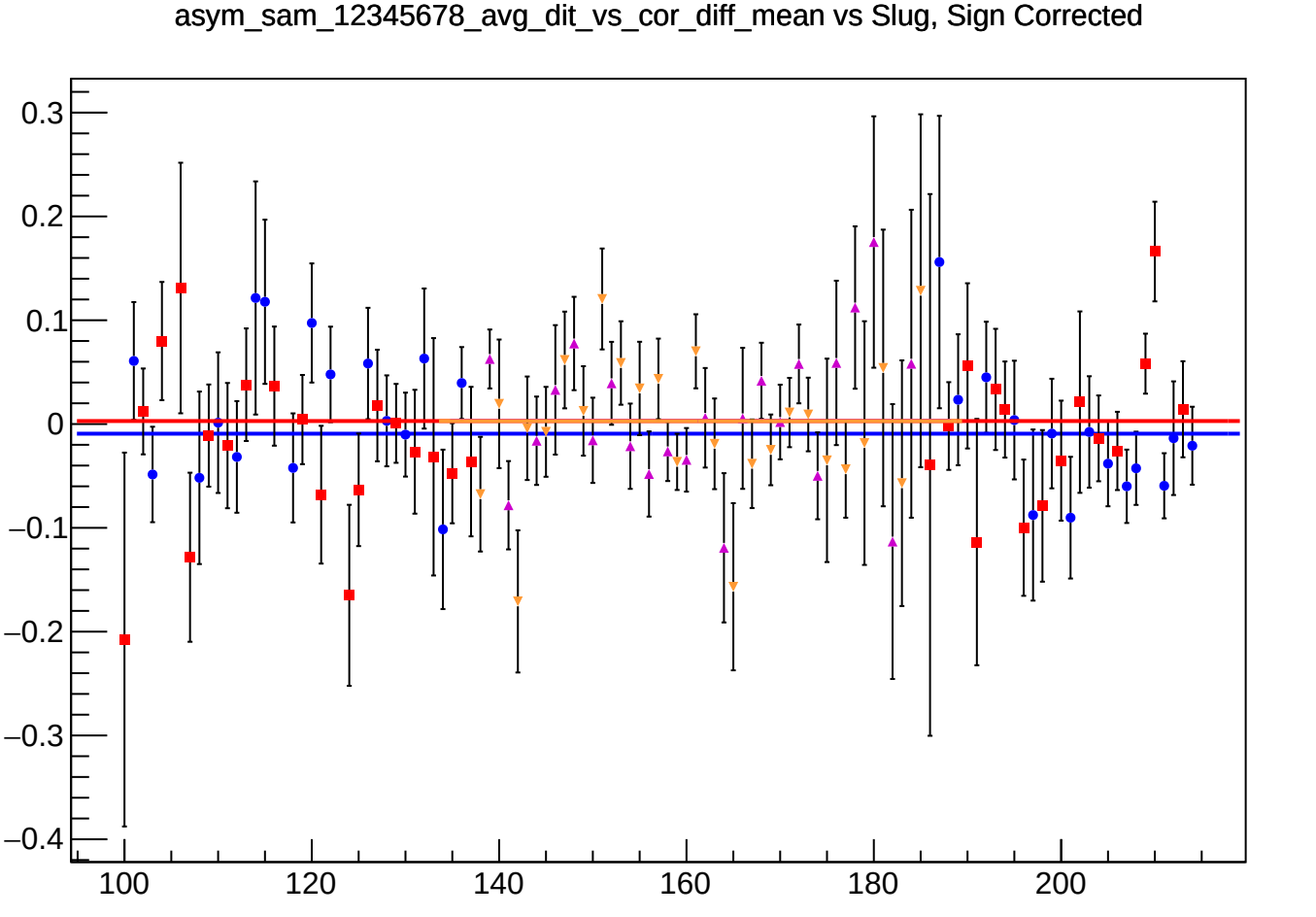
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12166784.0/63

In: 0.000+/-0.000 χ^2/NDF:12601566.1/52

Out: 0.000+/-0.000 χ^2/NDF:13974148.8/58

All: 0.000+/-0.000 χ^2/NDF: 26605457.2/111



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

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

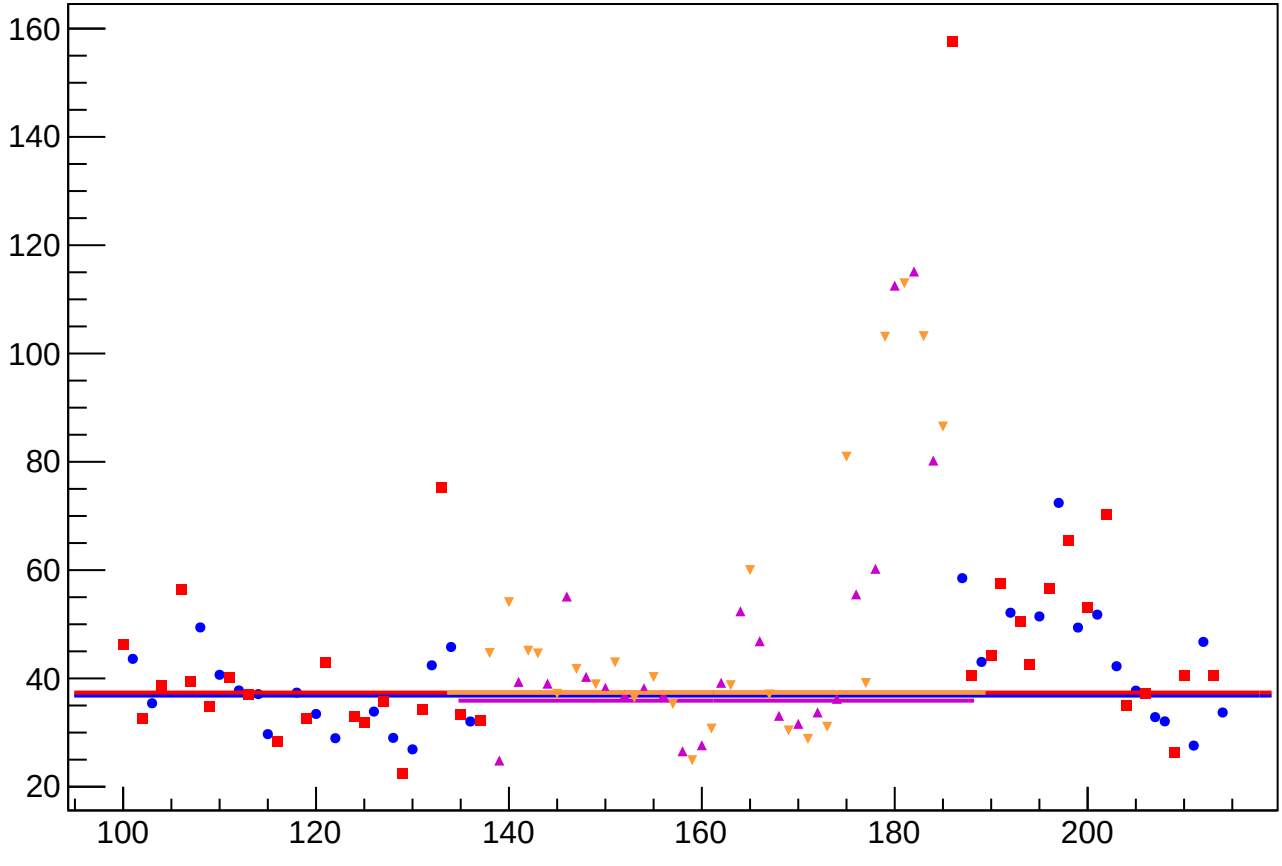
Right: -0.003+/-0.007 χ^2/NDF: 68.9/63

In: -0.003+/-0.006 χ^2/NDF:60.7/52

Out: 0.003+/-0.007 χ^2/NDF:71.0/58

All: -0.000+/-0.005 χ^2/NDF: 132.1/111

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

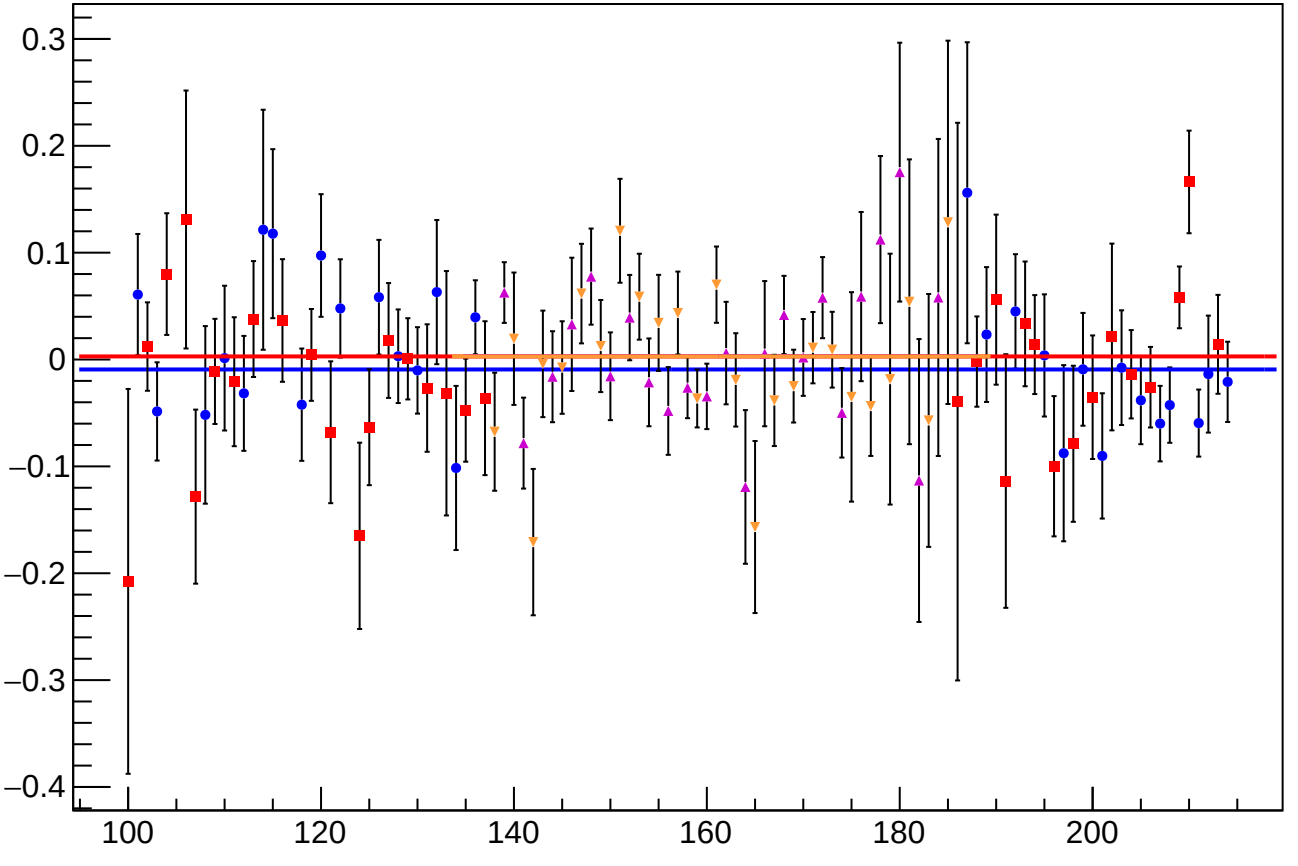
Right: 37.106+/-0.005 χ^2/NDF: 4372060.2/63

In: 36.365+/-0.005 χ^2/NDF:4896262.1/52

Out: 37.366+/-0.005 χ^2/NDF:6317618.7/58

All: 36.859+/-0.003 χ^2/NDF: 11237465.5/111

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

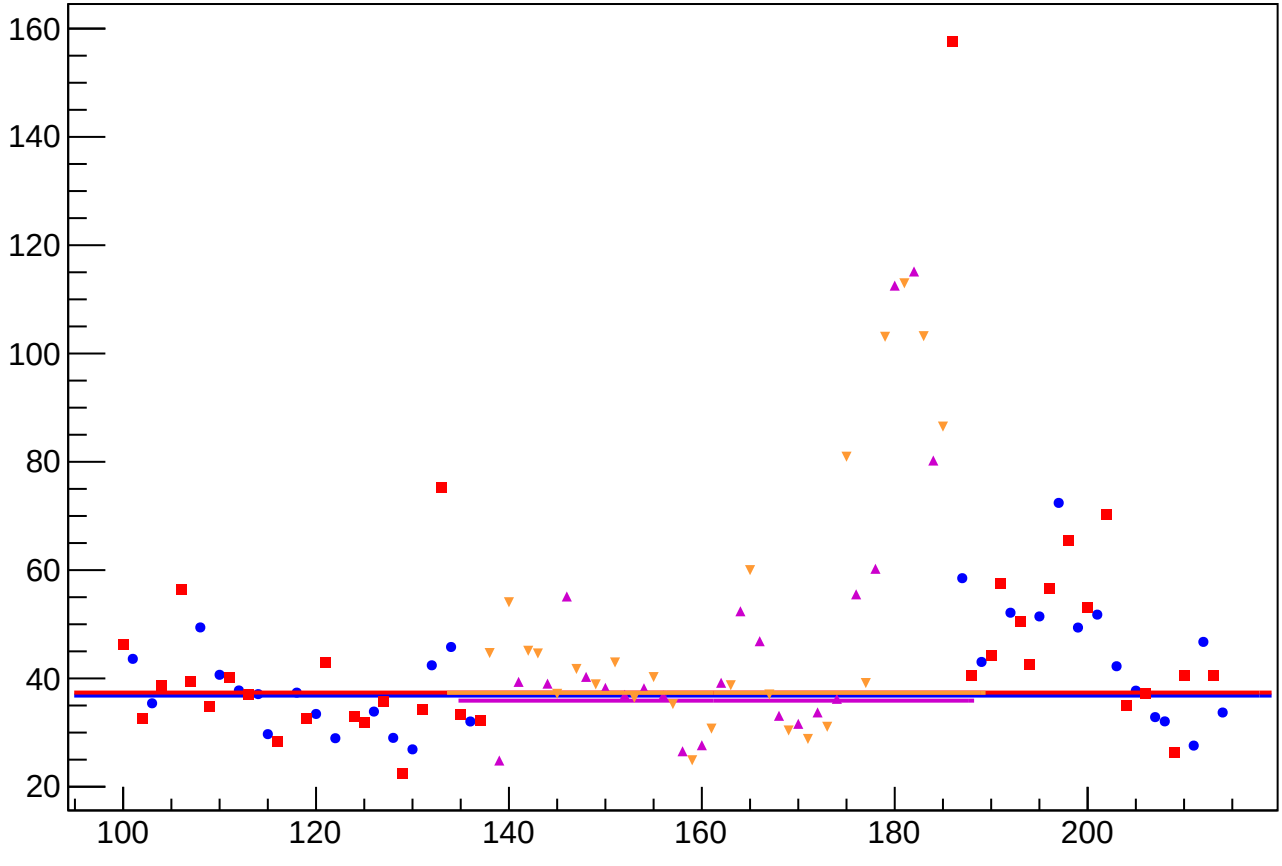
Right: -0.003+/-0.007 χ^2/NDF: 68.9/63

In: -0.003+/-0.006 χ^2/NDF:60.7/52

Out: 0.003+/-0.007 χ^2/NDF:71.0/58

All: -0.000+/-0.005 χ^2/NDF: 132.1/111

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

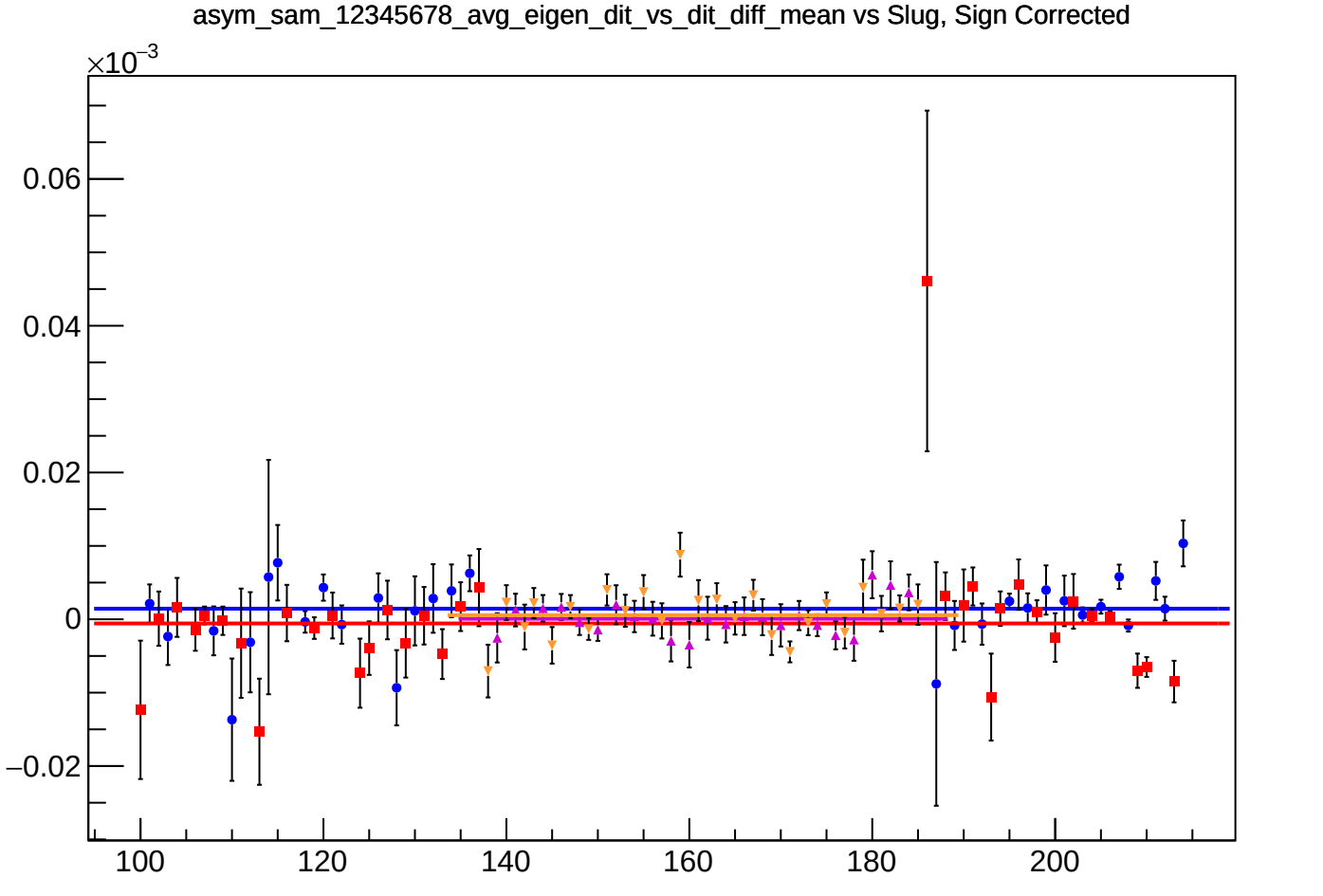
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 37.106+/-0.005 χ^2/NDF: 4372060.2/63

In: 36.365+/-0.005 χ^2/NDF:4896262.1/52

Out: 37.366+/-0.005 χ^2/NDF:6317618.7/58

All: 36.859+/-0.003 χ^2/NDF: 11237465.5/111



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

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

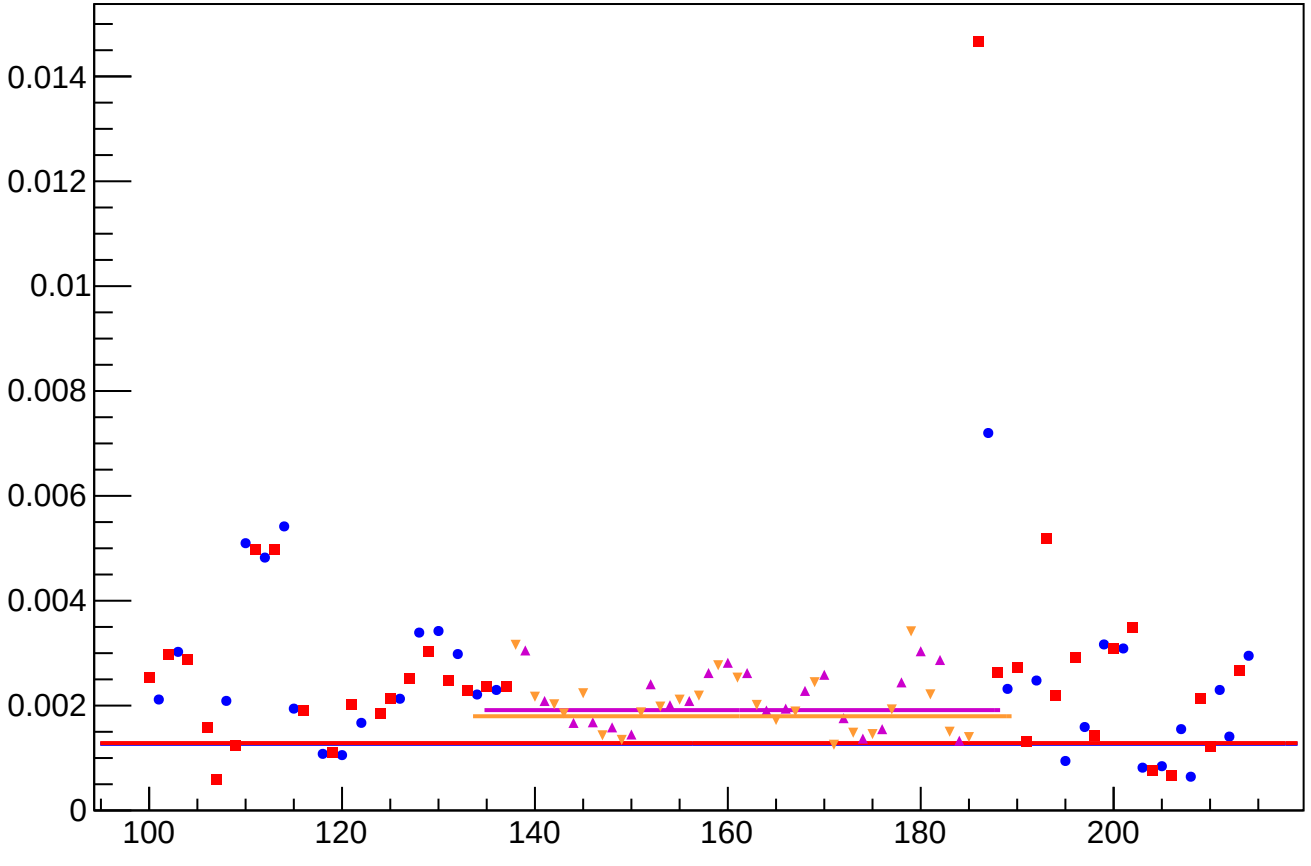
Right: 0.000+/-0.000 χ^2/NDF: 134.5/63

In: 0.000+/-0.000 χ^2/NDF:72.1/52

Out: -0.000+/-0.000 χ^2/NDF:116.9/58

All: 0.000+/-0.000 χ^2/NDF: 195.7/111

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

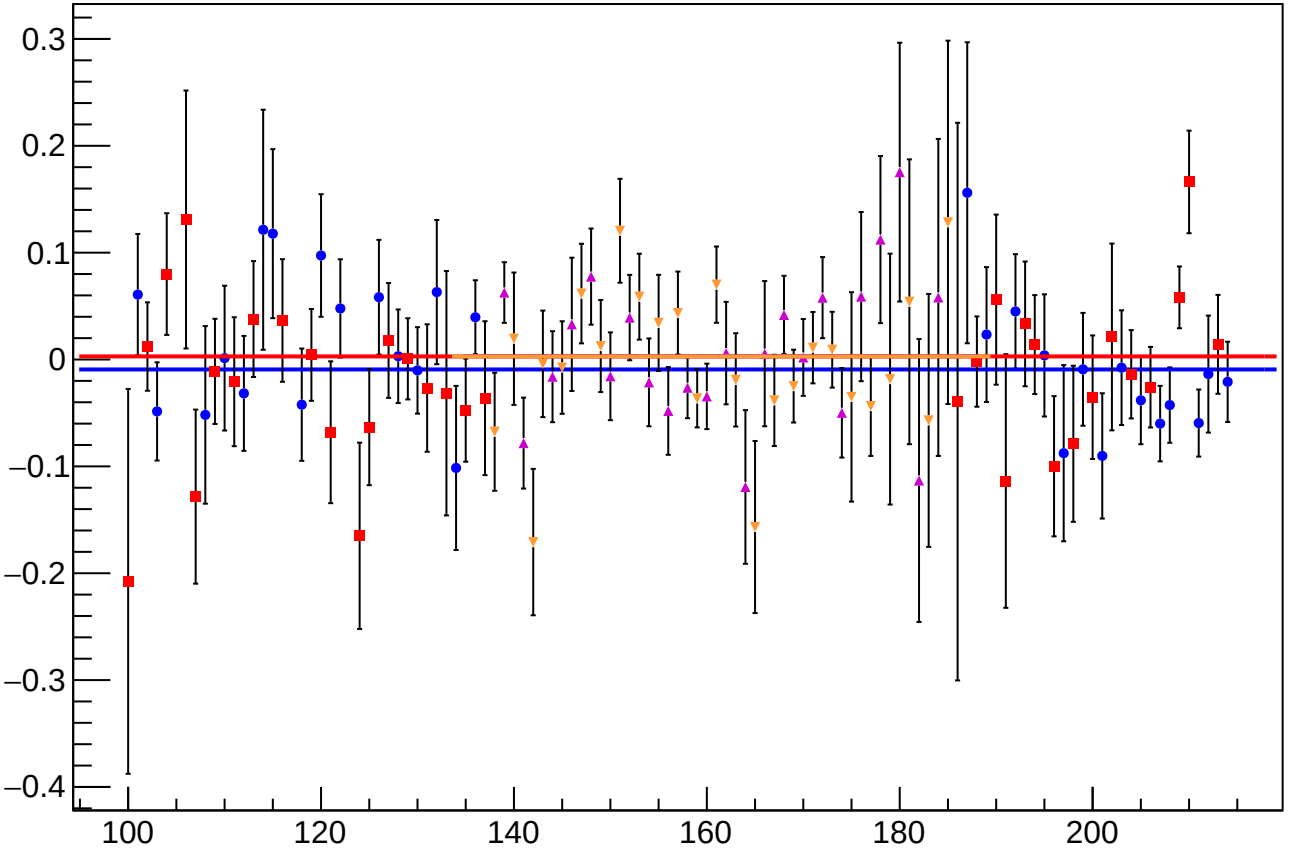
Right: 0.001+/-0.000 χ^2/NDF: 19681997.8/63

In: 0.002+/-0.000 χ^2/NDF:13379161.2/52

Out: 0.002+/-0.000 χ^2/NDF:14833947.3/58

All: 0.002+/-0.000 χ^2/NDF: 28213688.1/111

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

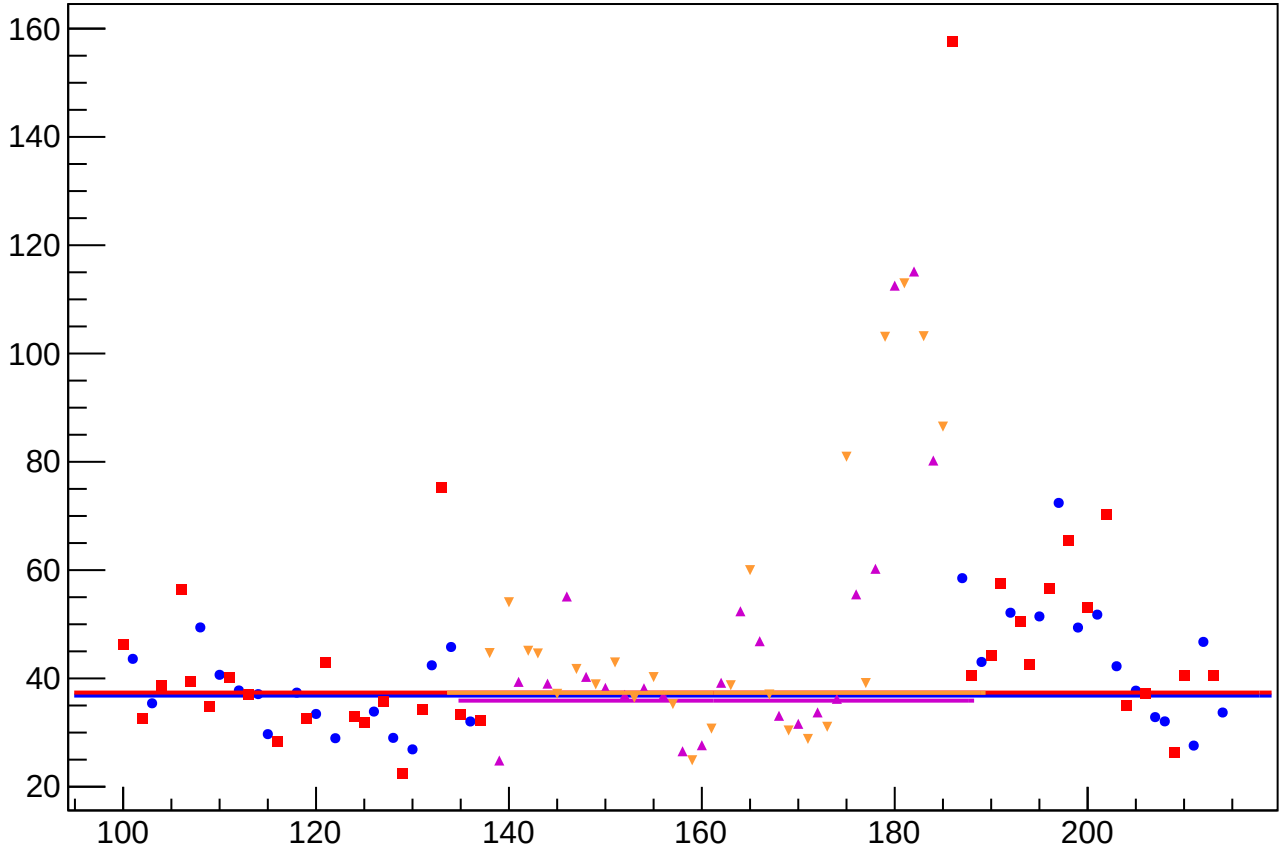
Right: -0.003+/-0.007 χ^2/NDF: 68.9/63

In: -0.003+/-0.006 χ^2/NDF:60.7/52

Out: 0.003+/-0.007 χ^2/NDF:71.0/58

All: -0.000+/-0.005 χ^2/NDF: 132.1/111

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

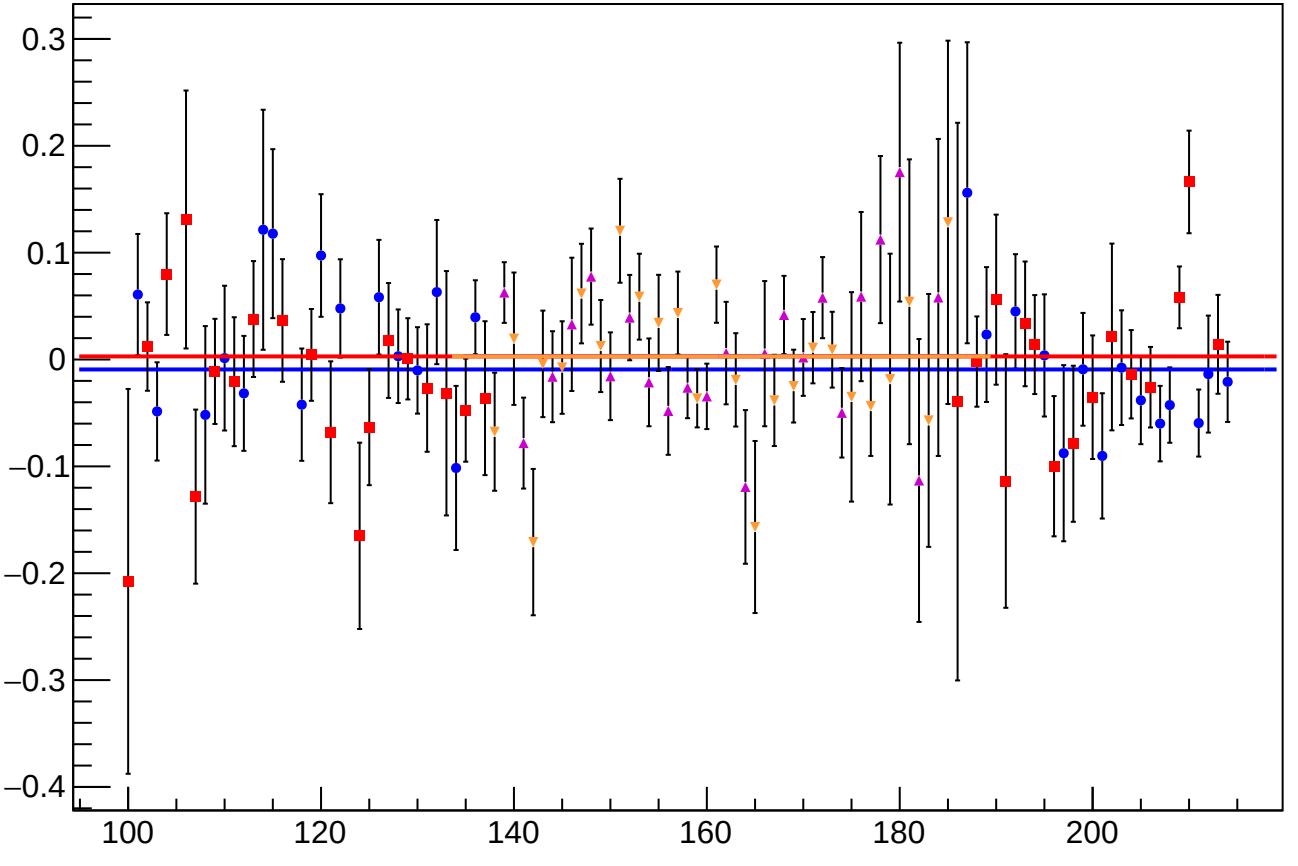
Right: 37.106+/-0.005 χ^2/NDF: 4372178.8/63

In: 36.365+/-0.005 χ^2/NDF:4896302.8/52

Out: 37.366+/-0.005 χ^2/NDF:6317745.2/58

All: 36.859+/-0.003 χ^2/NDF: 11237632.0/111

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

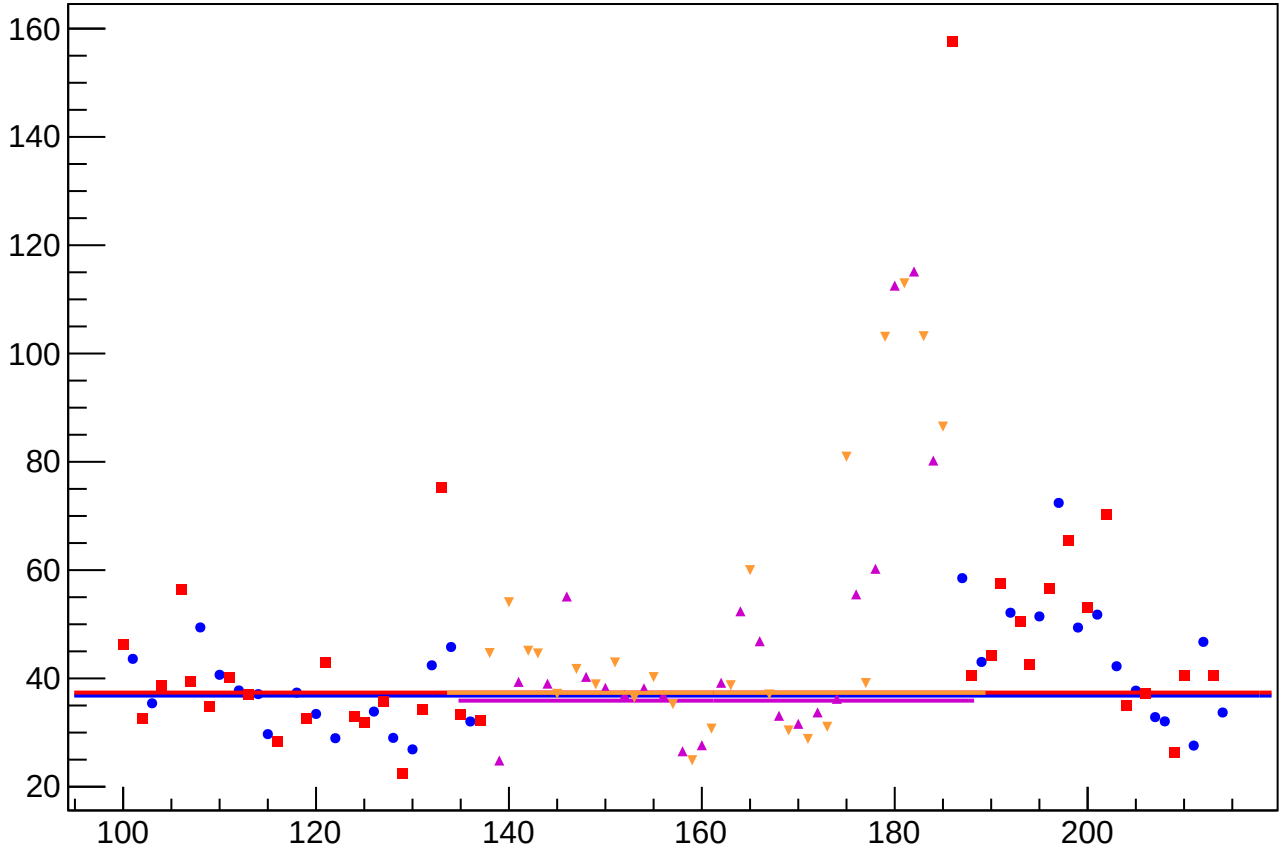
Right: -0.003+/-0.007 χ^2/NDF: 68.9/63

In: -0.003+/-0.006 χ^2/NDF:60.7/52

Out: 0.003+/-0.007 χ^2/NDF:71.0/58

All: -0.000+/-0.005 χ^2/NDF: 132.1/111

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

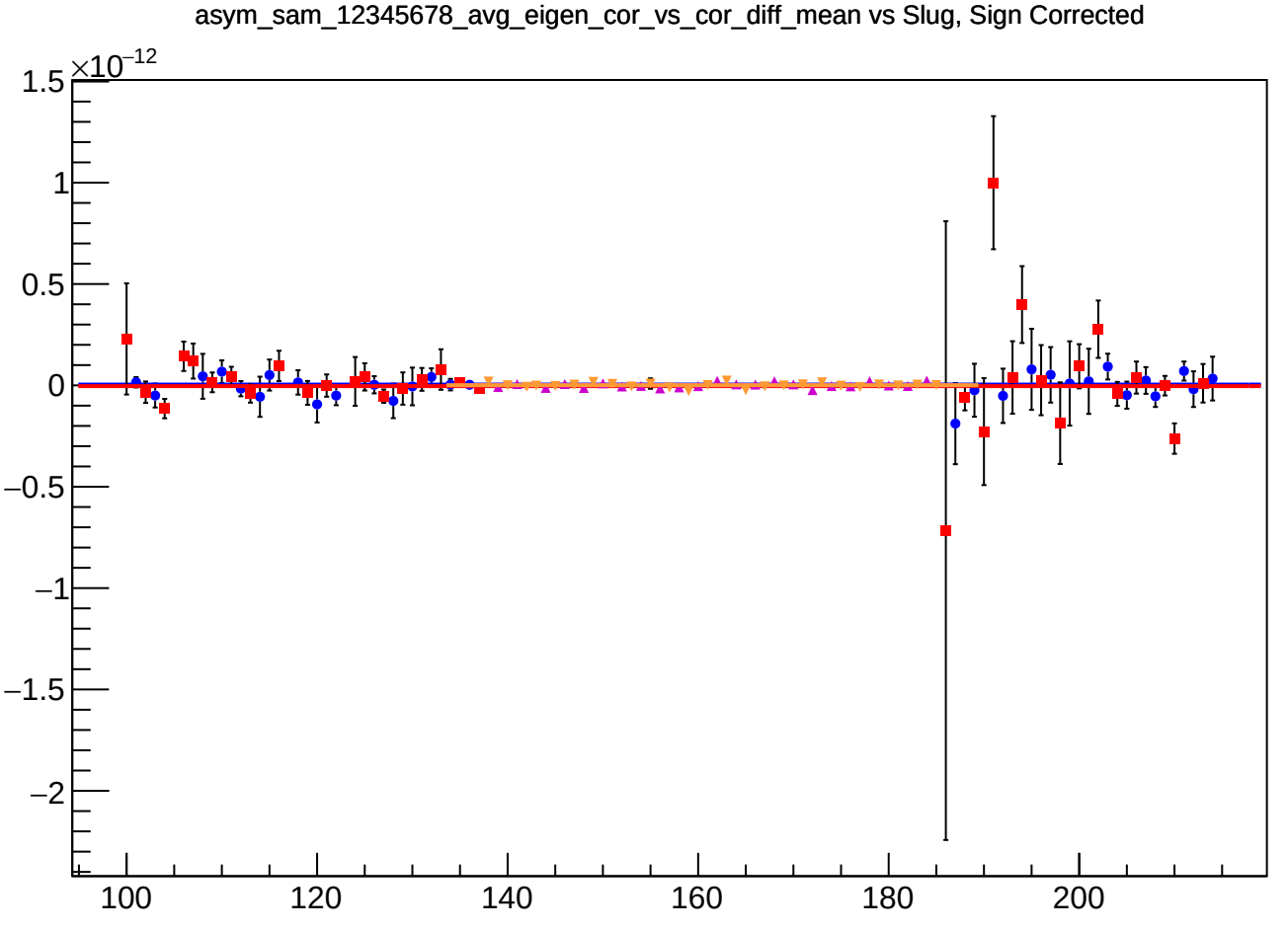
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 37.106+/-0.005 χ^2/NDF: 4372178.8/63

In: 36.365+/-0.005 χ^2/NDF:4896302.8/52

Out: 37.366+/-0.005 χ^2/NDF:6317745.2/58

All: 36.859+/-0.003 χ^2/NDF: 11237632.0/111



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

Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

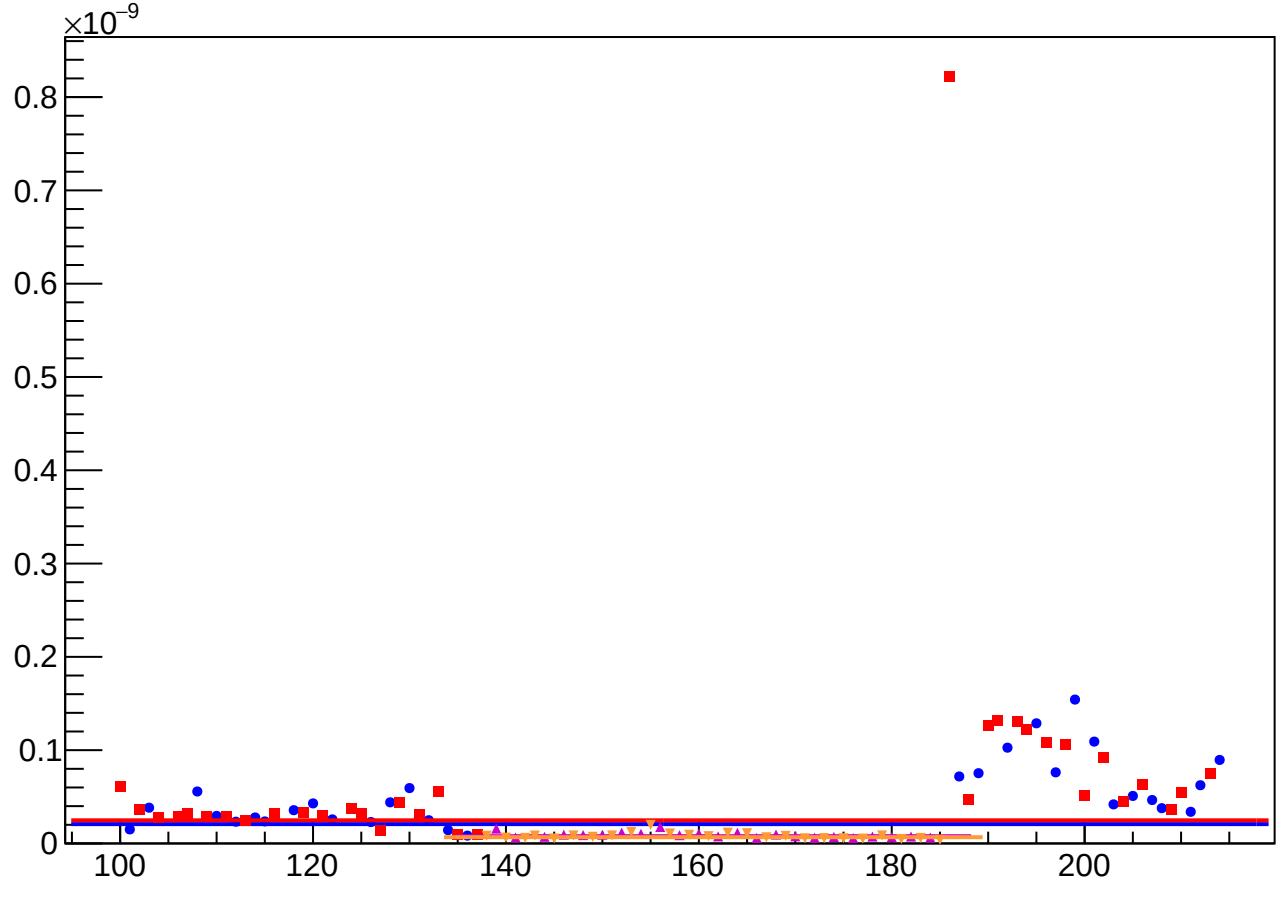
Right: 0.000+/-0.000 χ^2/NDF: 70.9/63

In: 0.000+/-0.000 χ^2/NDF:44.5/52

Out: 0.000+/-0.000 χ^2/NDF:77.1/58

All: 0.000+/-0.000 χ^2/NDF: 121.5/111

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

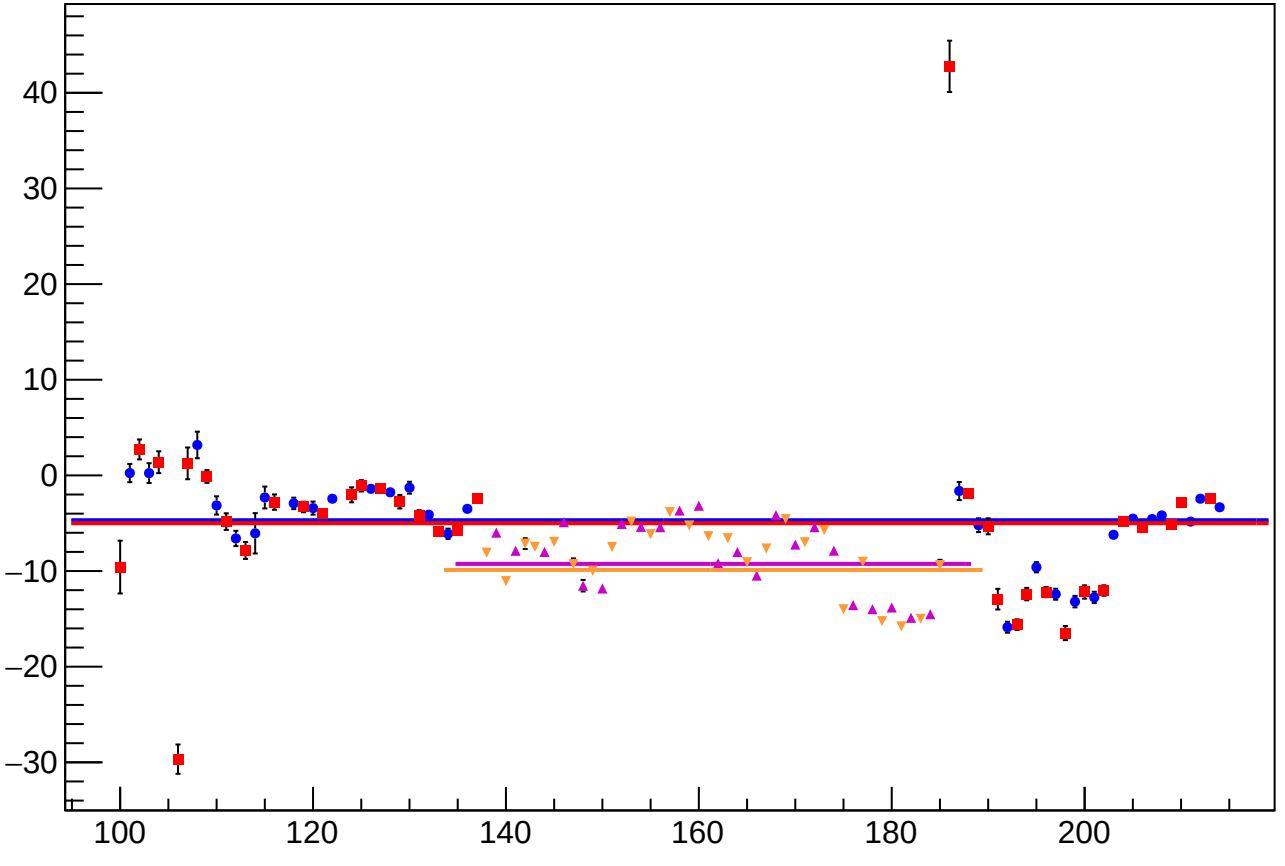
Right: 0.000+/-0.000 χ^2/NDF: 18385738.7/63

In: 0.000+/-0.000 χ^2/NDF:15850204.0/52

Out: 0.000+/-0.000 χ^2/NDF:17874260.5/58

All: 0.000+/-0.000 χ^2/NDF: 34067513.3/111

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

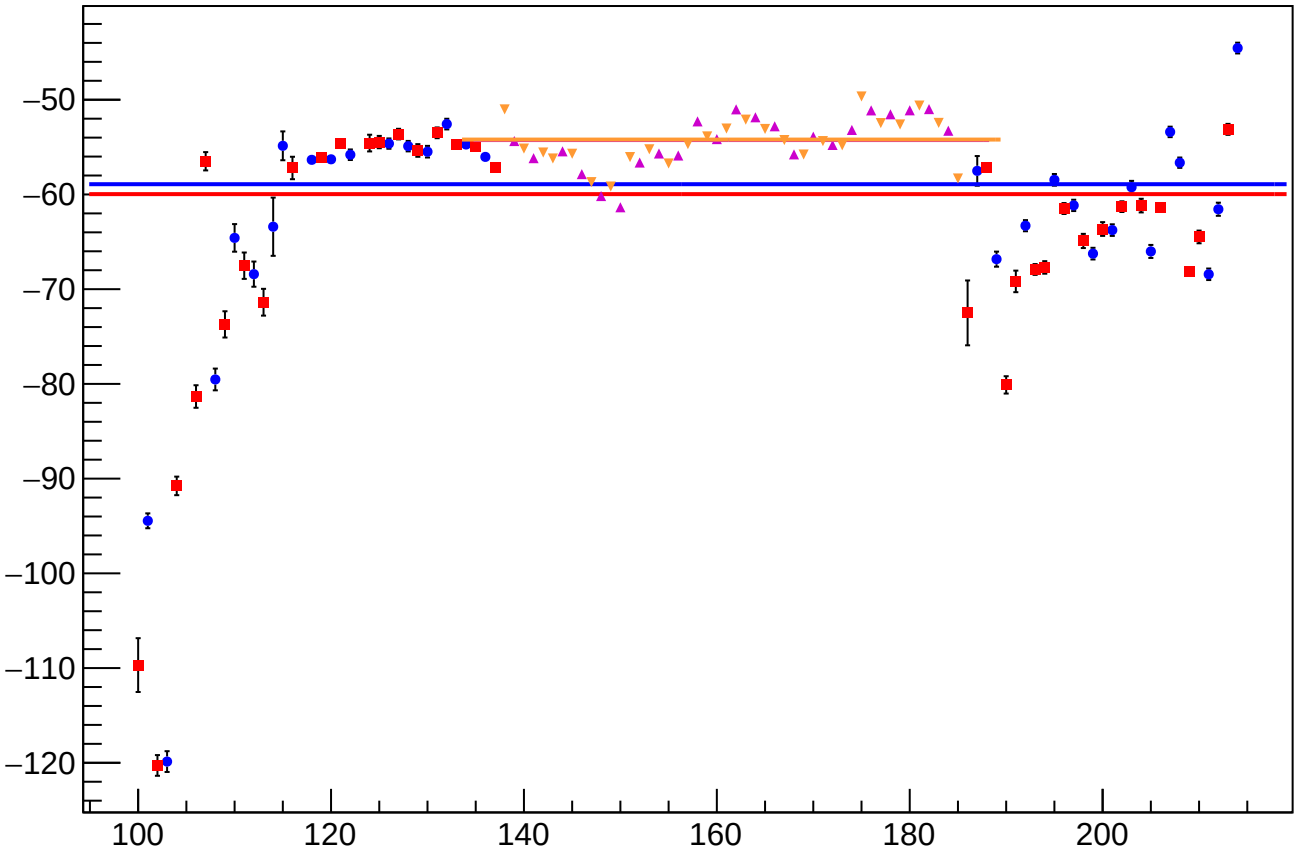
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -4.840+/-0.063 χ^2/NDF: 3777.8/63

In: -7.435+/-0.056 χ^2/NDF:6076.8/52

Out: -8.070+/-0.055 χ^2/NDF:7424.6/58

All: -7.755+/-0.039 χ^2/NDF: 13567.3/111



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

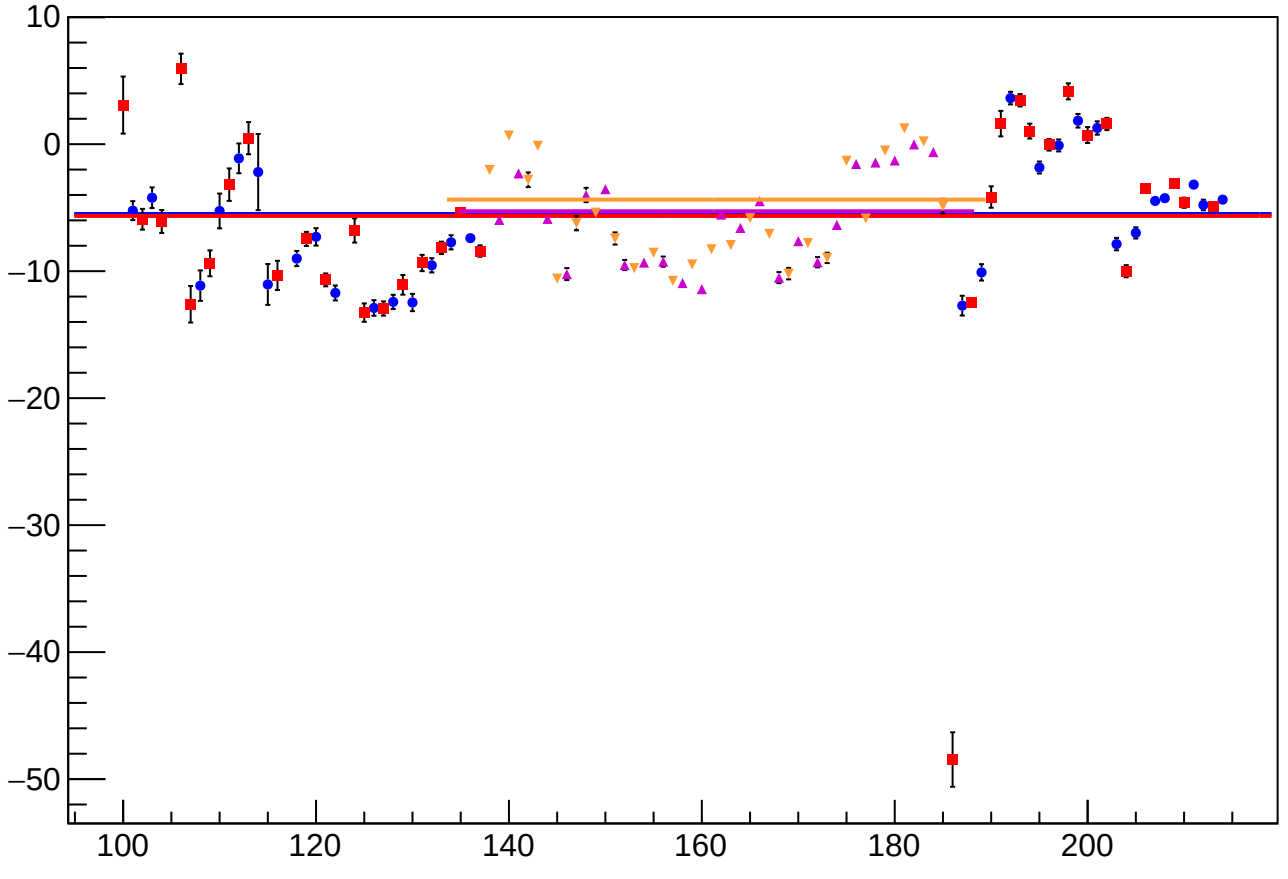
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.439+/-0.075 χ^2/NDF: 15177.4/63

In: -55.339+/-0.051 χ^2/NDF:11620.3/52

Out: -55.445+/-0.049 χ^2/NDF:11627.0/58

All: -55.394+/-0.036 χ^2/NDF: 23249.6/111



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

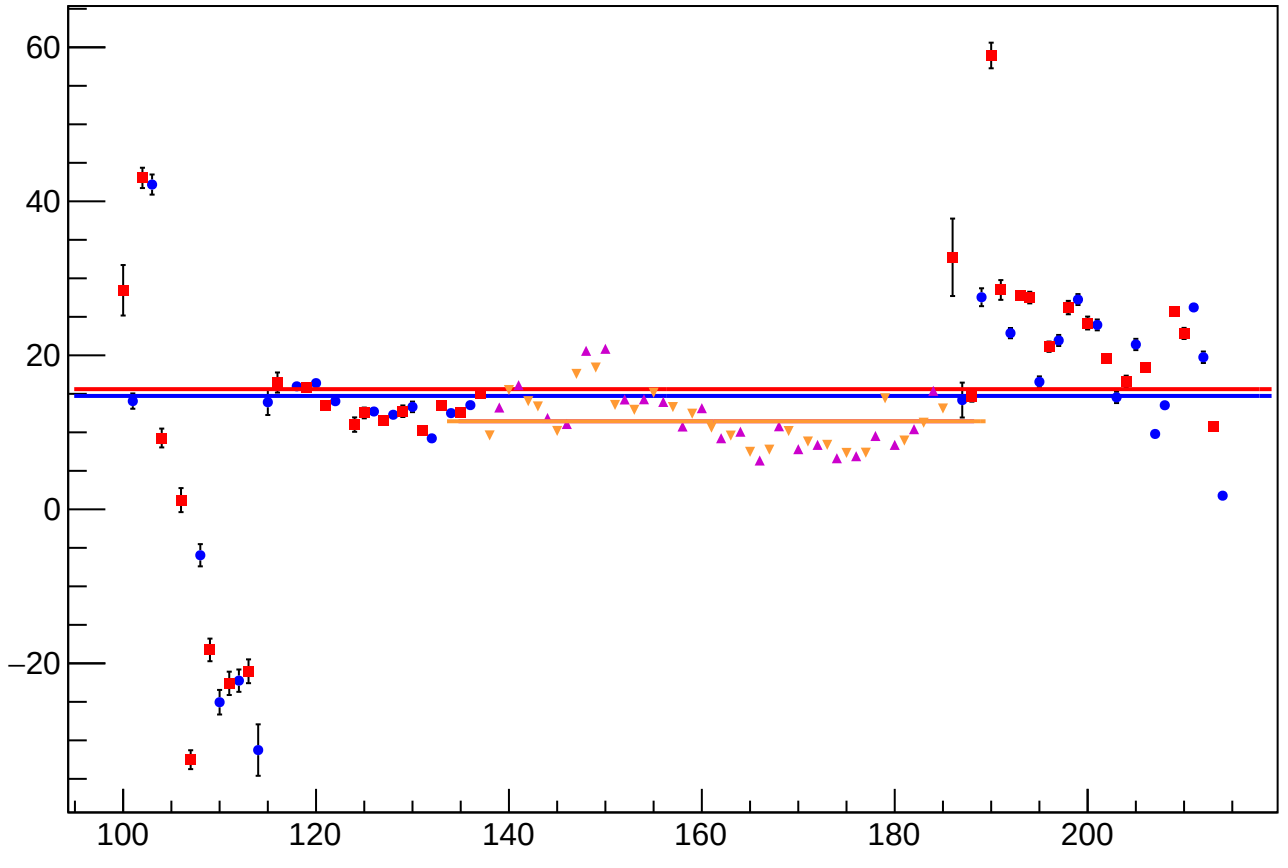
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.574+/-0.064 χ^2/NDF: 5165.2/63

In: -5.367+/-0.056 χ^2/NDF:4644.2/52

Out: -4.840+/-0.055 χ^2/NDF:7101.7/58

All: -5.101+/-0.039 χ^2/NDF: 11791.2/111



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

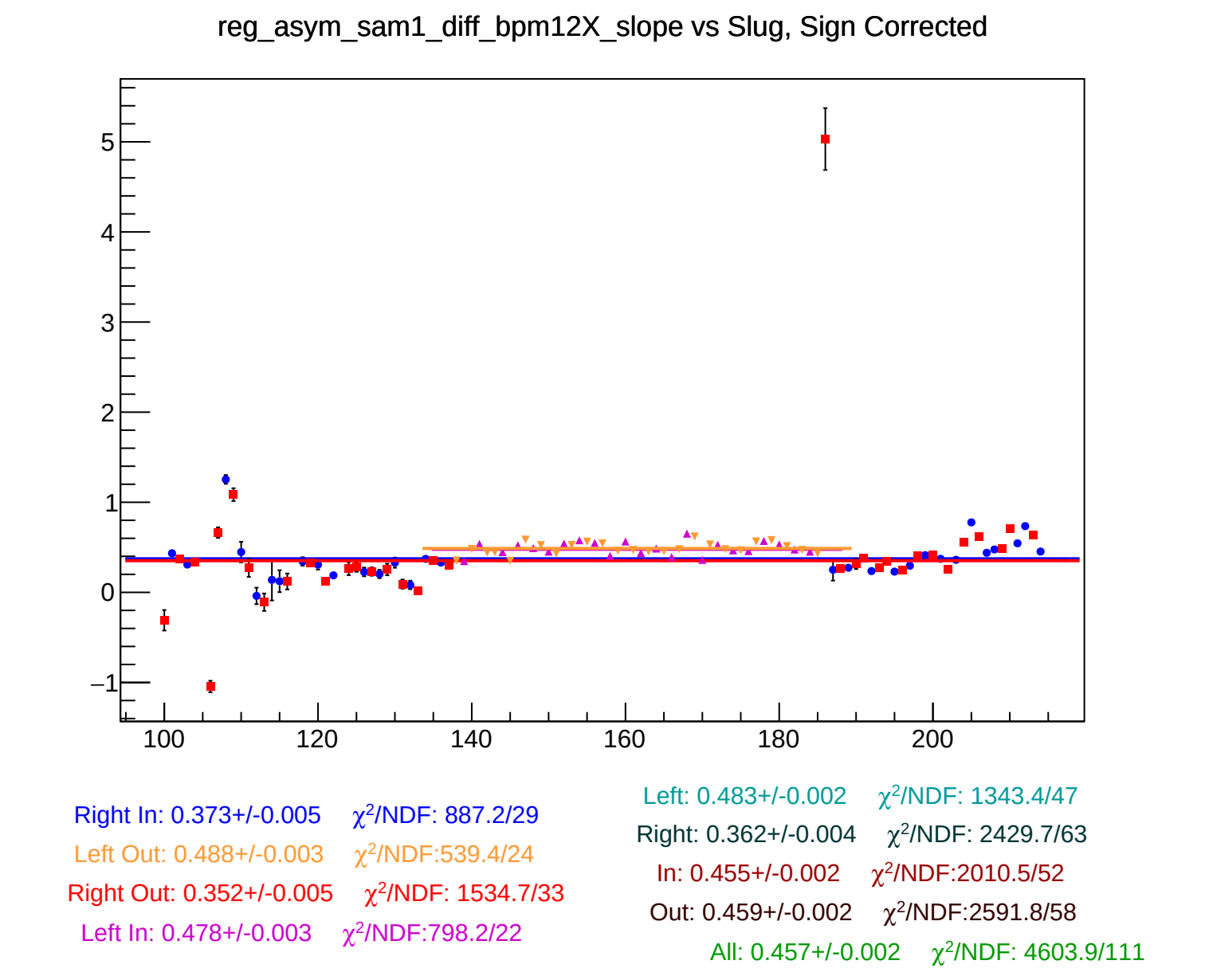
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

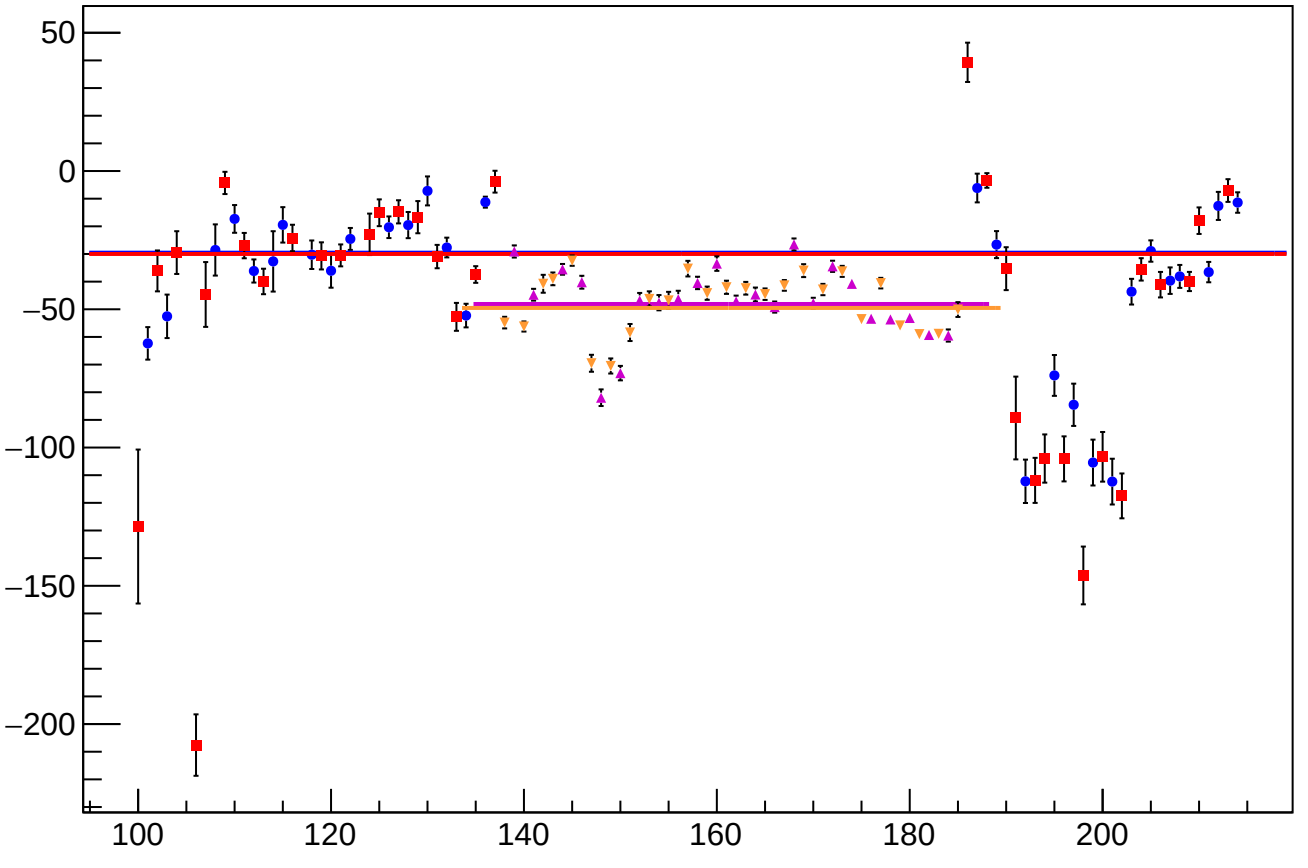
Right: 15.158+/-0.084 χ^2/NDF: 10563.2/63

In: 12.192+/-0.056 χ^2/NDF:8096.7/52

Out: 12.309+/-0.055 χ^2/NDF:9778.0/58

All: 12.252+/-0.039 χ^2/NDF: 17876.9/111


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.373+/-0.005 χ²/NDF: 887.2/29
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.352+/-0.005 χ²/NDF: 1534.7/33
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.362+/-0.004 χ²/NDF: 2429.7/63
In: 0.455+/-0.002 χ²/NDF:2010.5/52
Out: 0.459+/-0.002 χ²/NDF:2591.8/58
All: 0.457+/-0.002 χ²/NDF: 4603.9/111



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

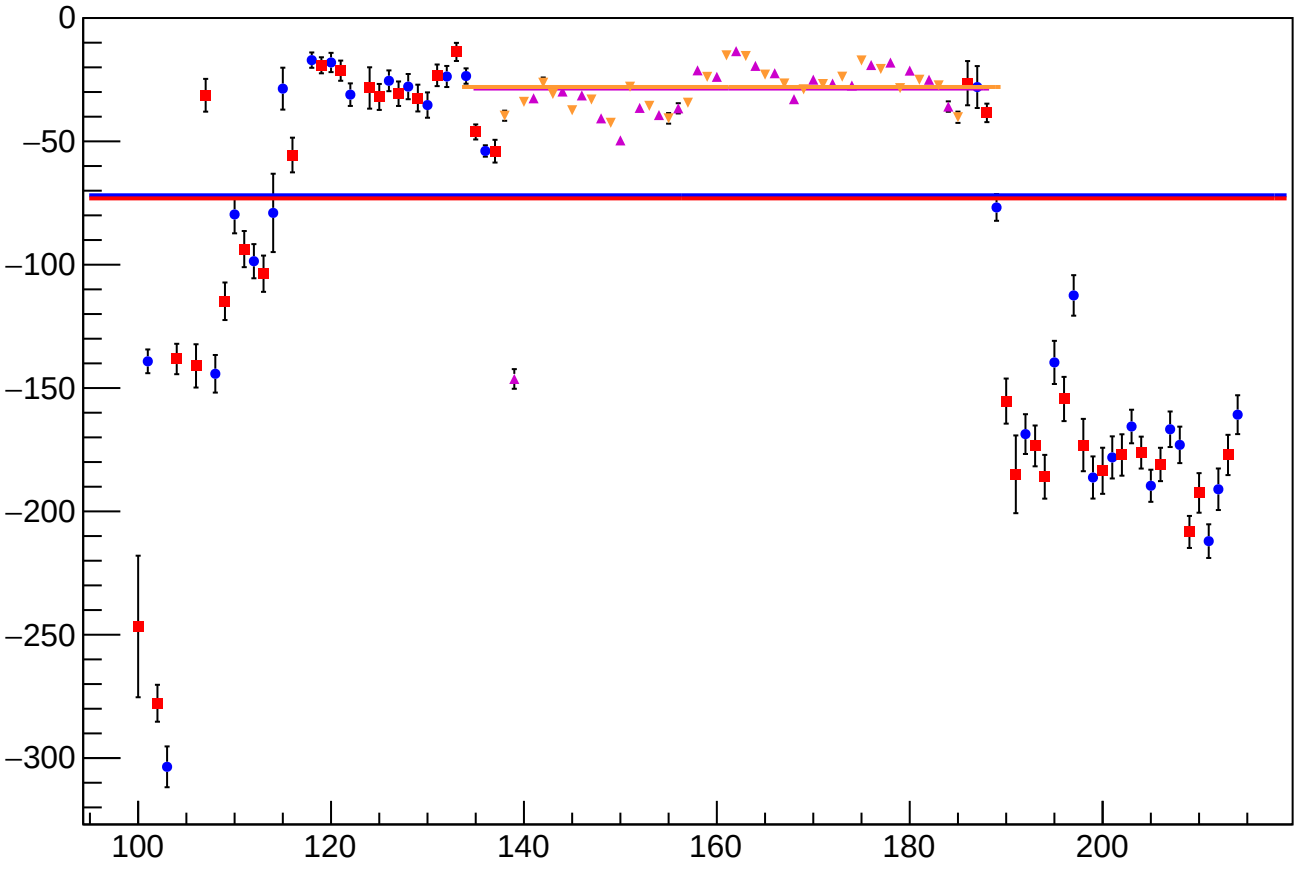
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -29.754+/-0.604 χ^2/NDF: 1900.6/63

In: -44.416+/-0.375 χ^2/NDF:1750.2/52

Out: -46.053+/-0.365 χ^2/NDF:2239.3/58

All: -45.256+/-0.261 χ^2/NDF: 3999.3/111



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

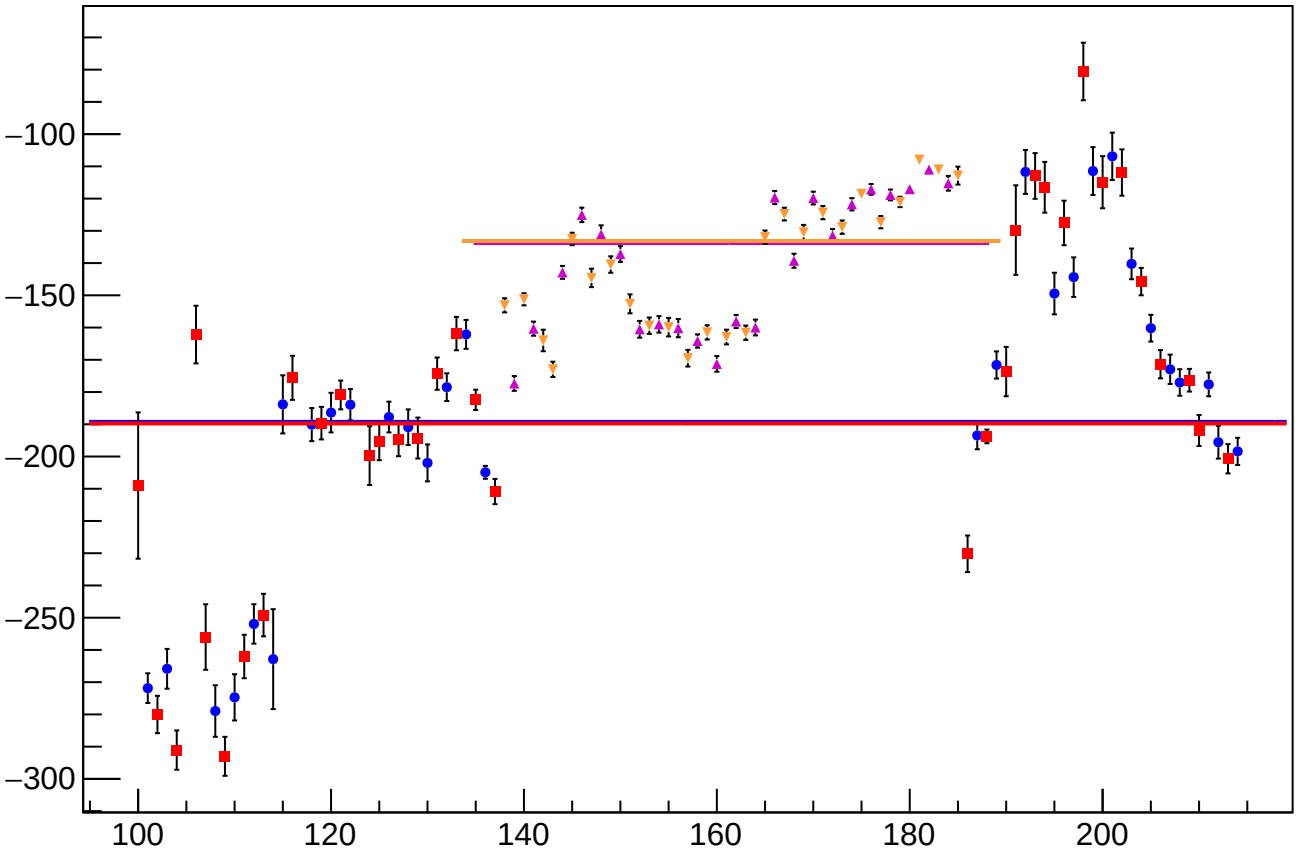
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -72.467+/-0.695 χ^2/NDF: 9125.1/63

In: -33.229+/-0.315 χ^2/NDF:7867.7/52

Out: -32.138+/-0.306 χ^2/NDF:6869.0/58

All: -32.667+/-0.220 χ^2/NDF: 14742.9/111



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

Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

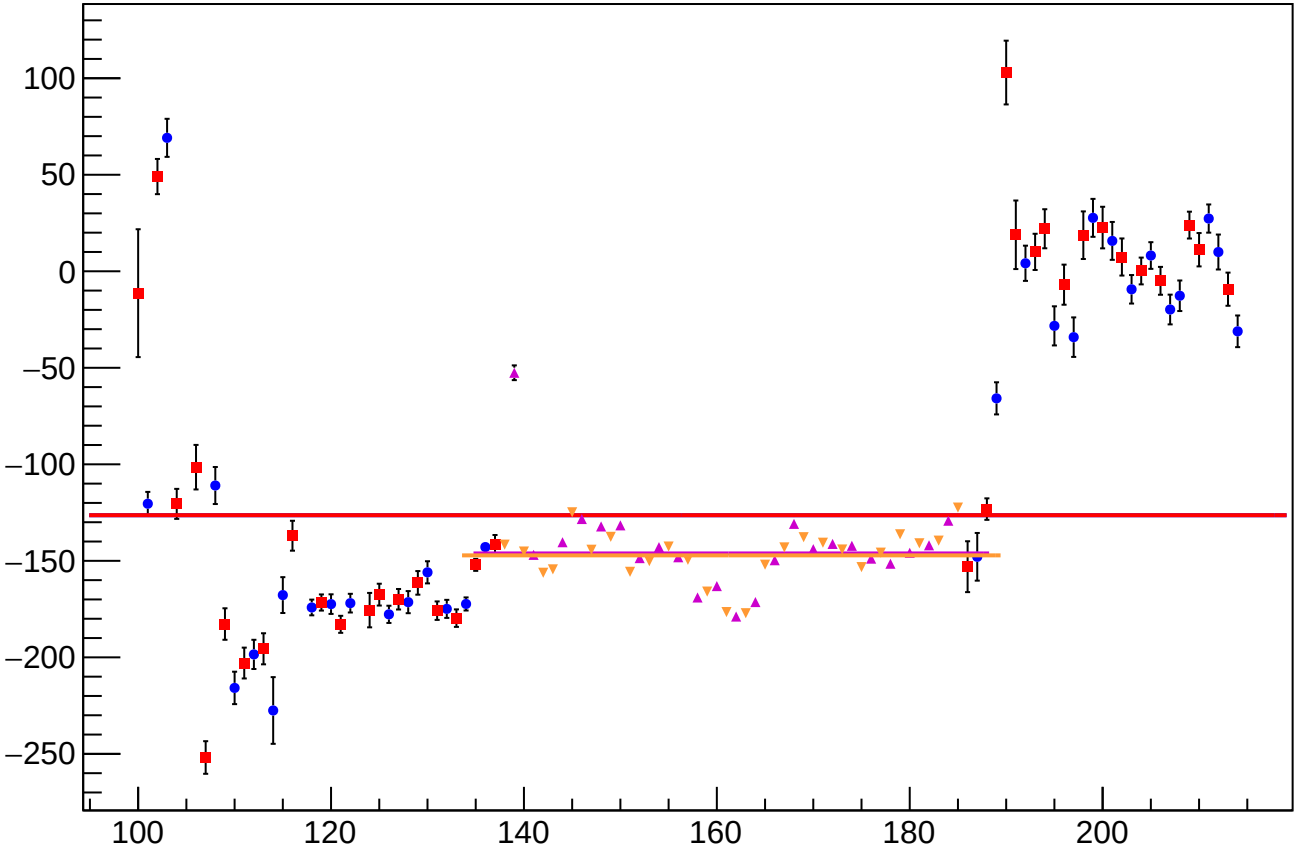
Right: -189.497+/-0.622 χ^2/NDF: 3655.4/63

In: -144.121+/-0.376 χ^2/NDF:7391.3/52

Out: -142.823+/-0.367 χ^2/NDF:7906.0/58

All: -143.456+/-0.263 χ^2/NDF: 15303.4/111

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

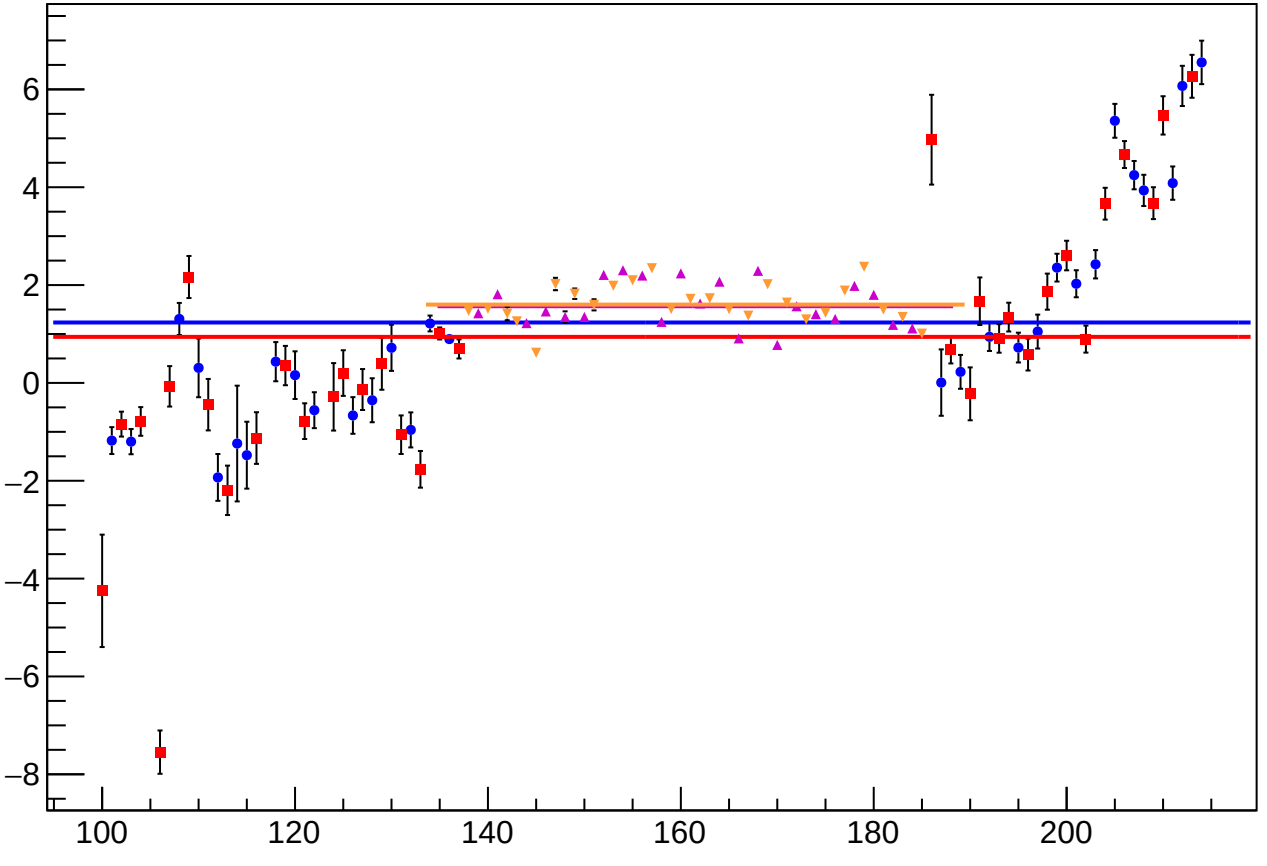
Right: -126.375+/-0.787 χ^2/NDF: 8730.5/63

In: -144.090+/-0.351 χ^2/NDF:6344.5/52

Out: -145.321+/-0.342 χ^2/NDF:6025.1/58

All: -144.721+/-0.245 χ^2/NDF: 12375.8/111

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



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

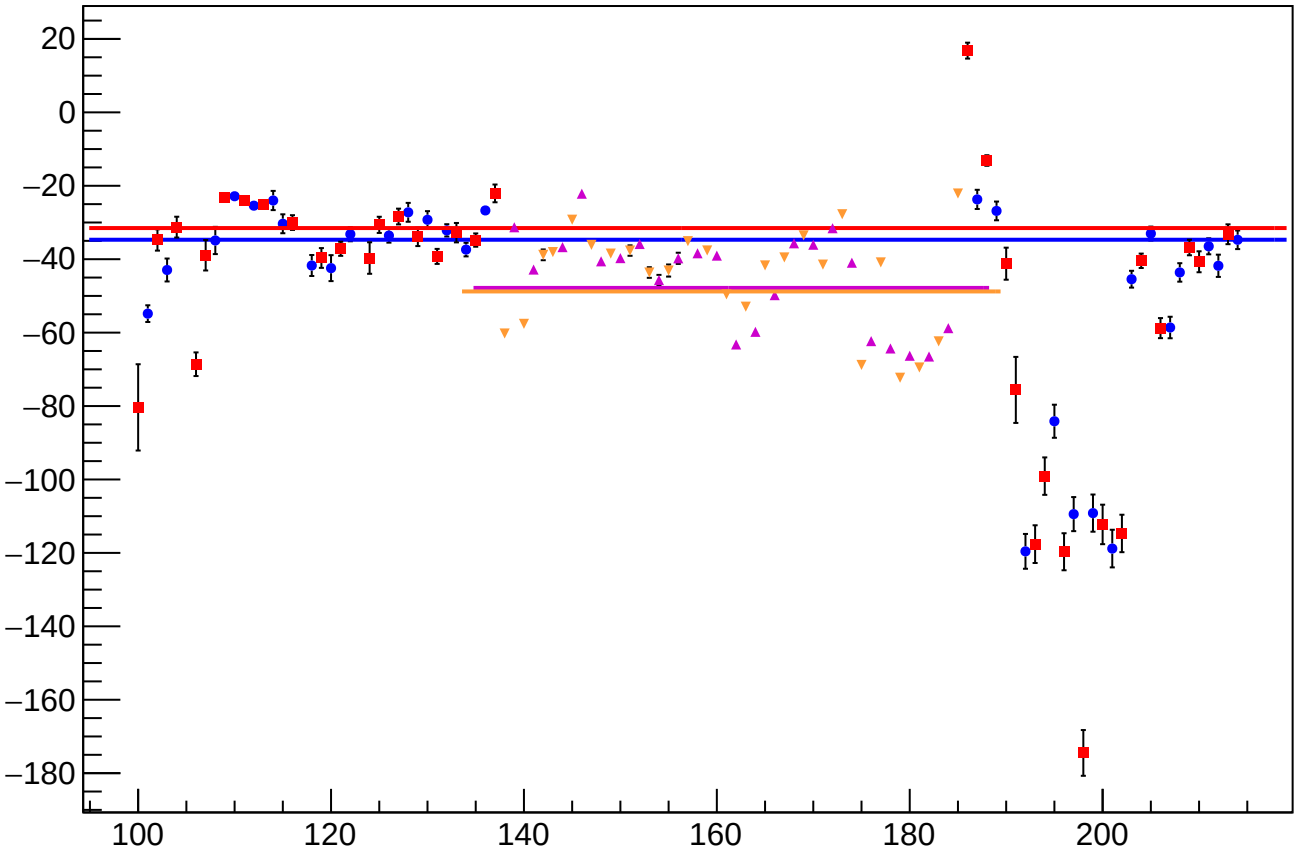
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 1.098+/-0.038 χ^2/NDF: 2435.6/63

In: 1.538+/-0.016 χ^2/NDF:1857.1/52

Out: 1.551+/-0.015 χ^2/NDF:2046.7/58

All: 1.544+/-0.011 χ^2/NDF: 3904.2/111



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

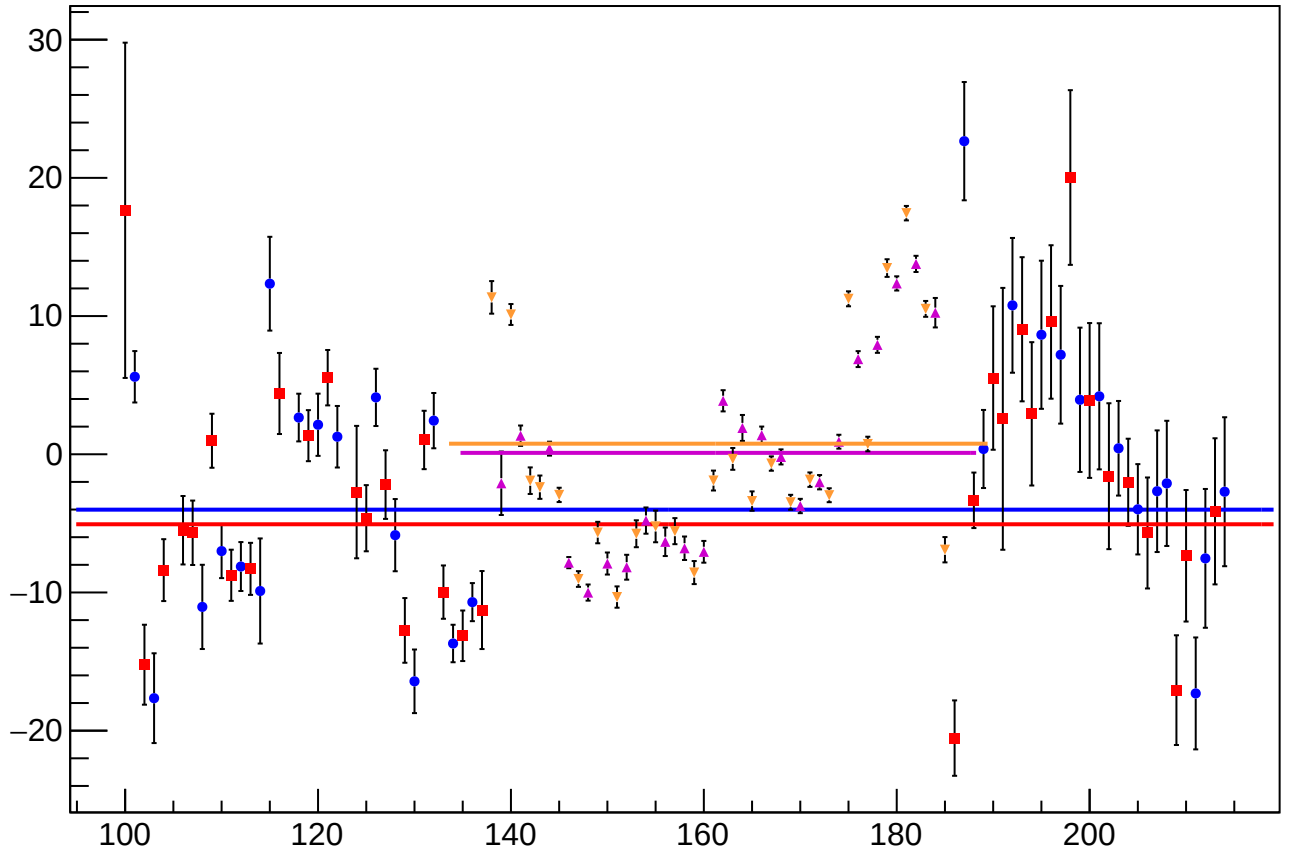
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

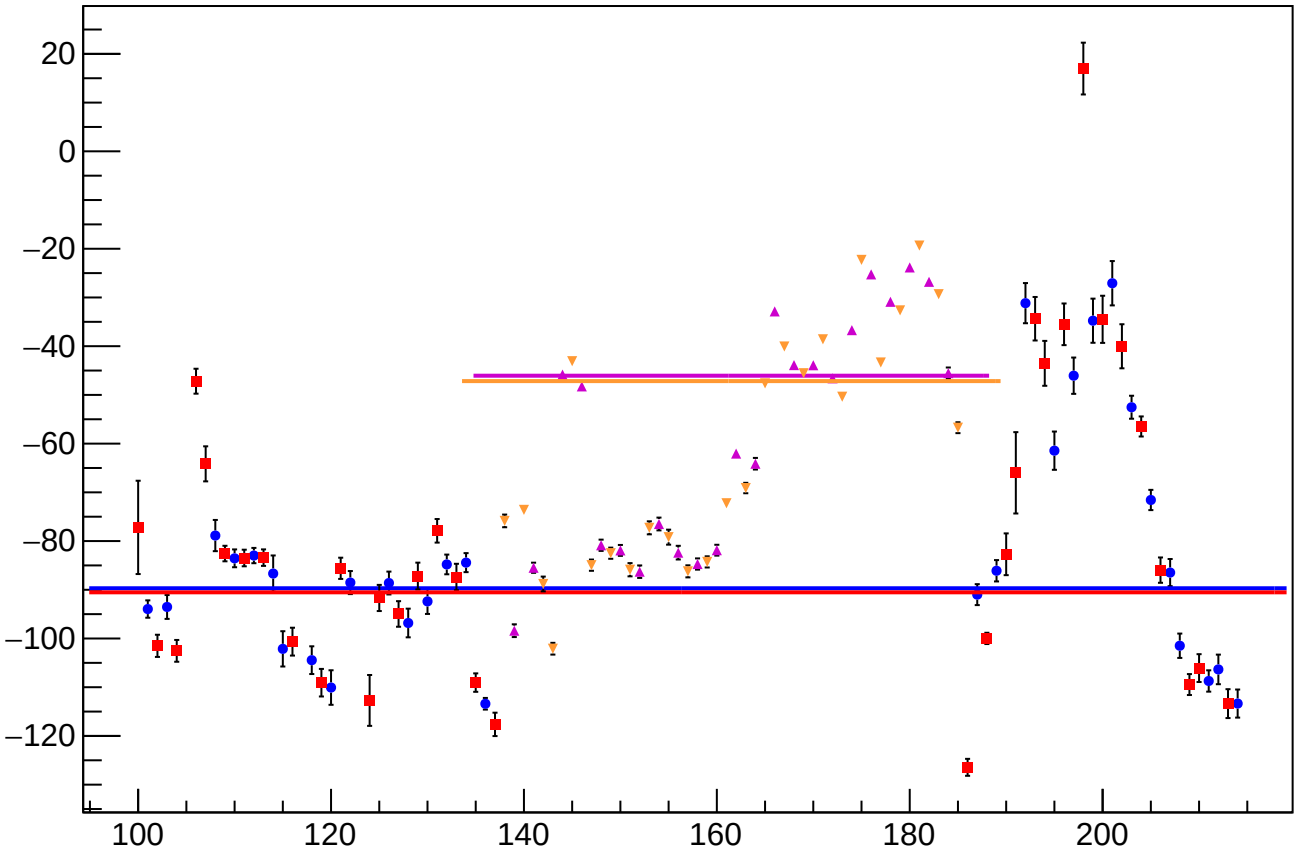
Right: -33.049+/-0.276 χ^2/NDF: 4648.1/63

In: -45.800+/-0.156 χ^2/NDF:9802.9/52

Out: -46.044+/-0.153 χ^2/NDF:13607.9/58

All: -45.925+/-0.109 χ^2/NDF: 23412.1/111


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -4.008+/-0.464 χ²/NDF: 320.0/29
Left Out: 0.765+/-0.132 χ²/NDF:3467.2/24
Right Out: -5.065+/-0.467 χ²/NDF: 220.0/33
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -4.533+/-0.329 χ²/NDF: 542.6/63
In: -0.209+/-0.128 χ²/NDF:3114.2/52
Out: 0.332+/-0.127 χ²/NDF:3831.5/58
All: 0.063+/-0.090 χ²/NDF: 6954.7/111



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

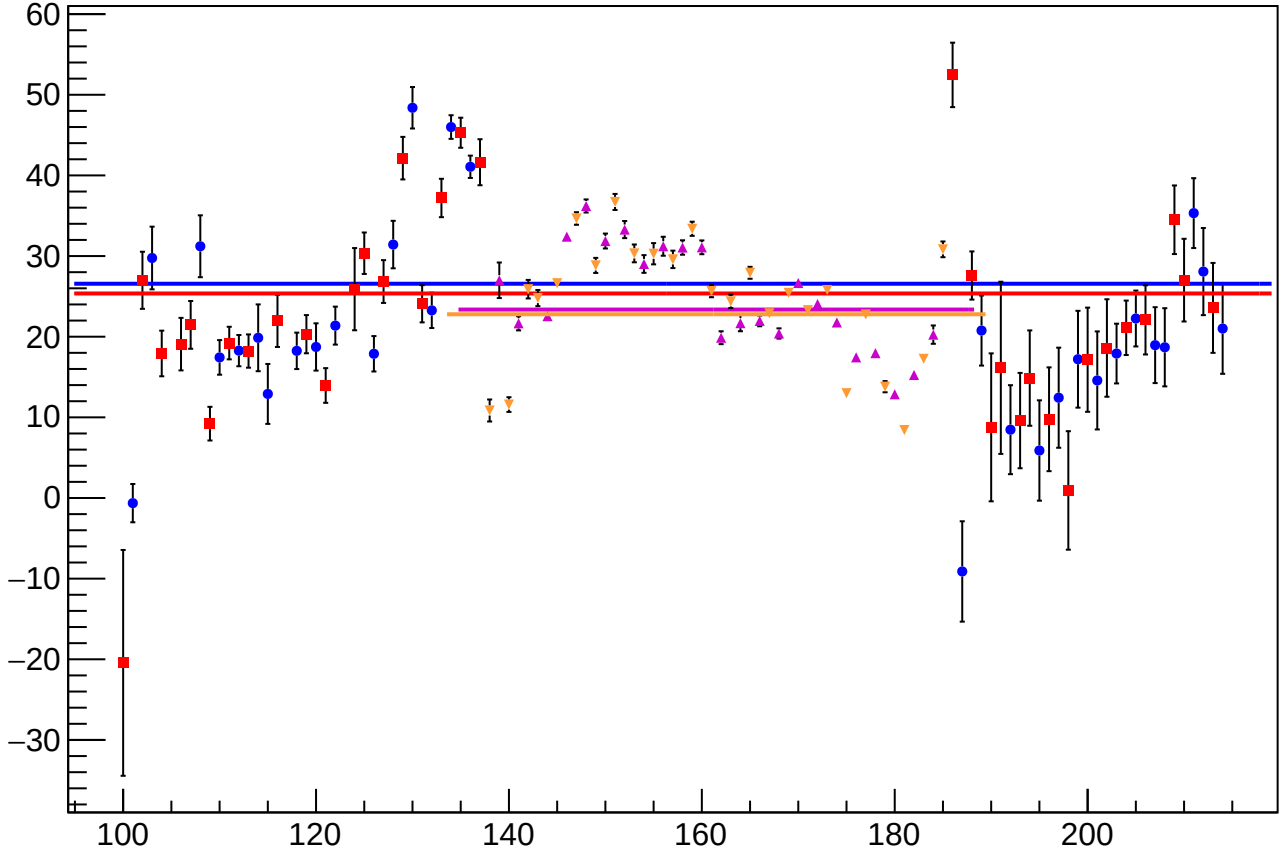
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -90.117+/-0.302 χ^2/NDF: 4620.4/63

In: -51.885+/-0.158 χ^2/NDF:25334.5/52

Out: -53.104+/-0.156 χ^2/NDF:29660.7/58

All: -52.505+/-0.111 χ^2/NDF: 55025.4/111



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

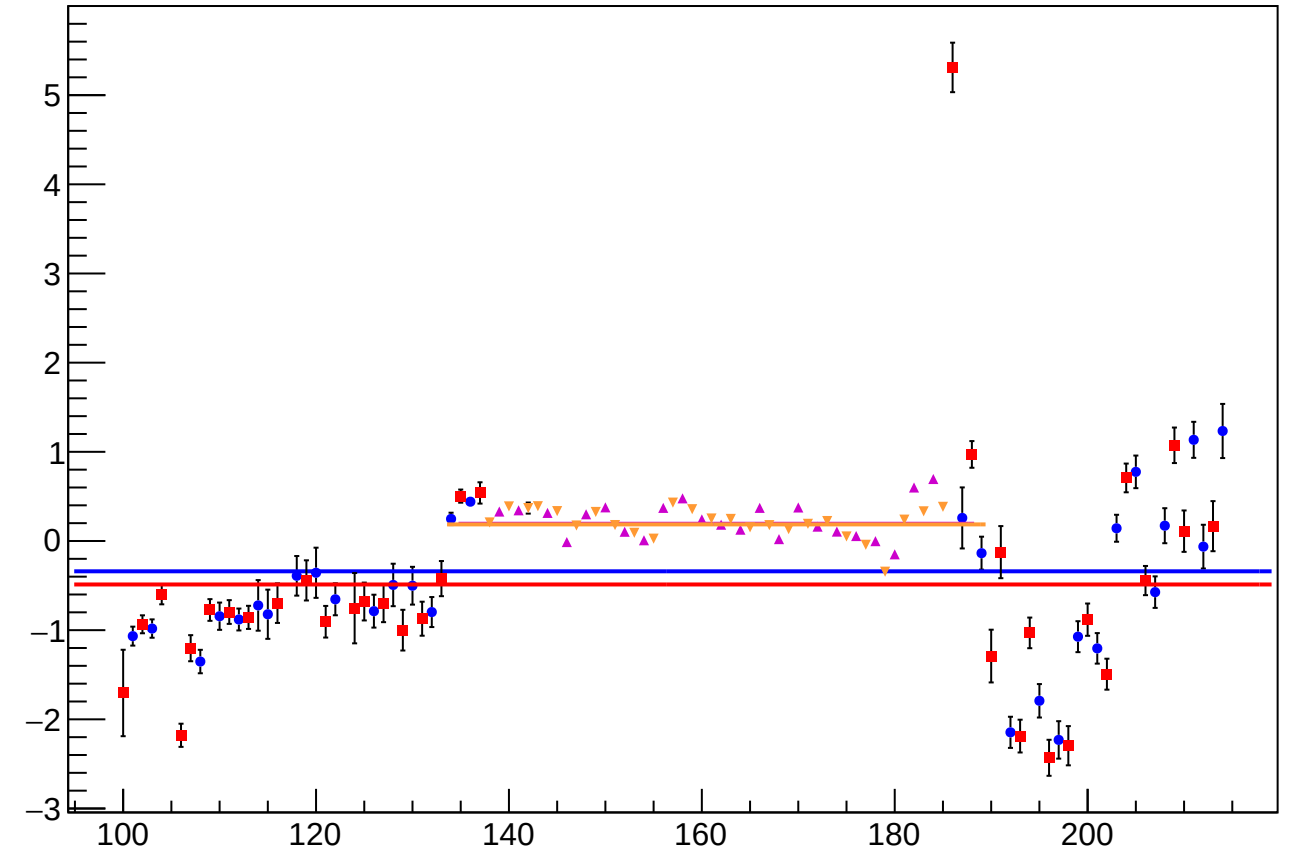
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 25.980+/-0.374 χ^2/NDF: 1120.3/63

In: 23.606+/-0.143 χ^2/NDF:2495.6/52

Out: 22.963+/-0.142 χ^2/NDF:2876.8/58

All: 23.282+/-0.101 χ^2/NDF: 5382.6/111



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

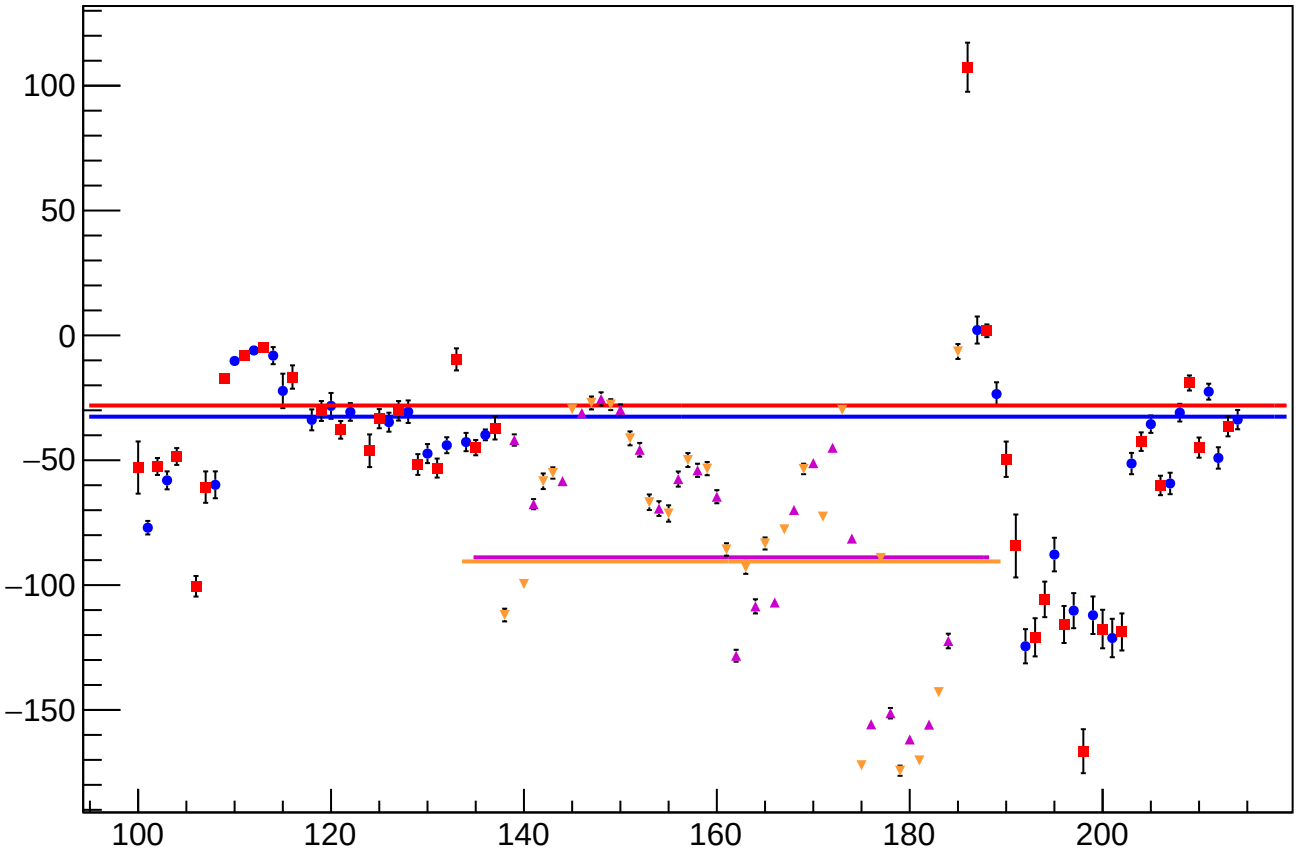
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.410+/-0.019 χ^2/NDF: 2382.9/63

In: 0.161+/-0.006 χ^2/NDF:2215.2/52

Out: 0.150+/-0.006 χ^2/NDF:2684.5/58

All: 0.156+/-0.005 χ^2/NDF: 4901.2/111



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

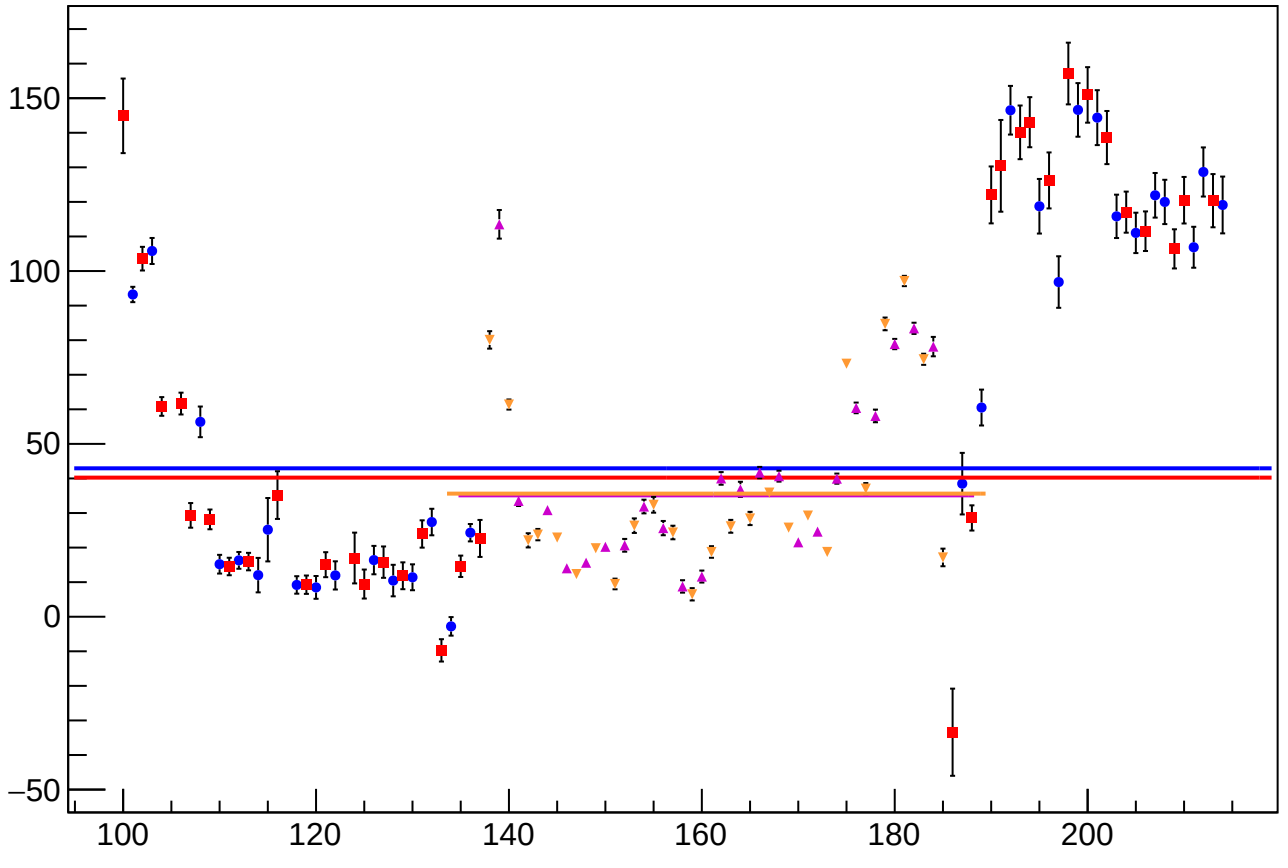
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -30.158+/-0.426 χ^2/NDF: 4131.3/63

In: -70.546+/-0.357 χ^2/NDF:18966.1/52

Out: -69.113+/-0.341 χ^2/NDF:25323.4/58

All: -69.798+/-0.247 χ^2/NDF: 44297.9/111



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

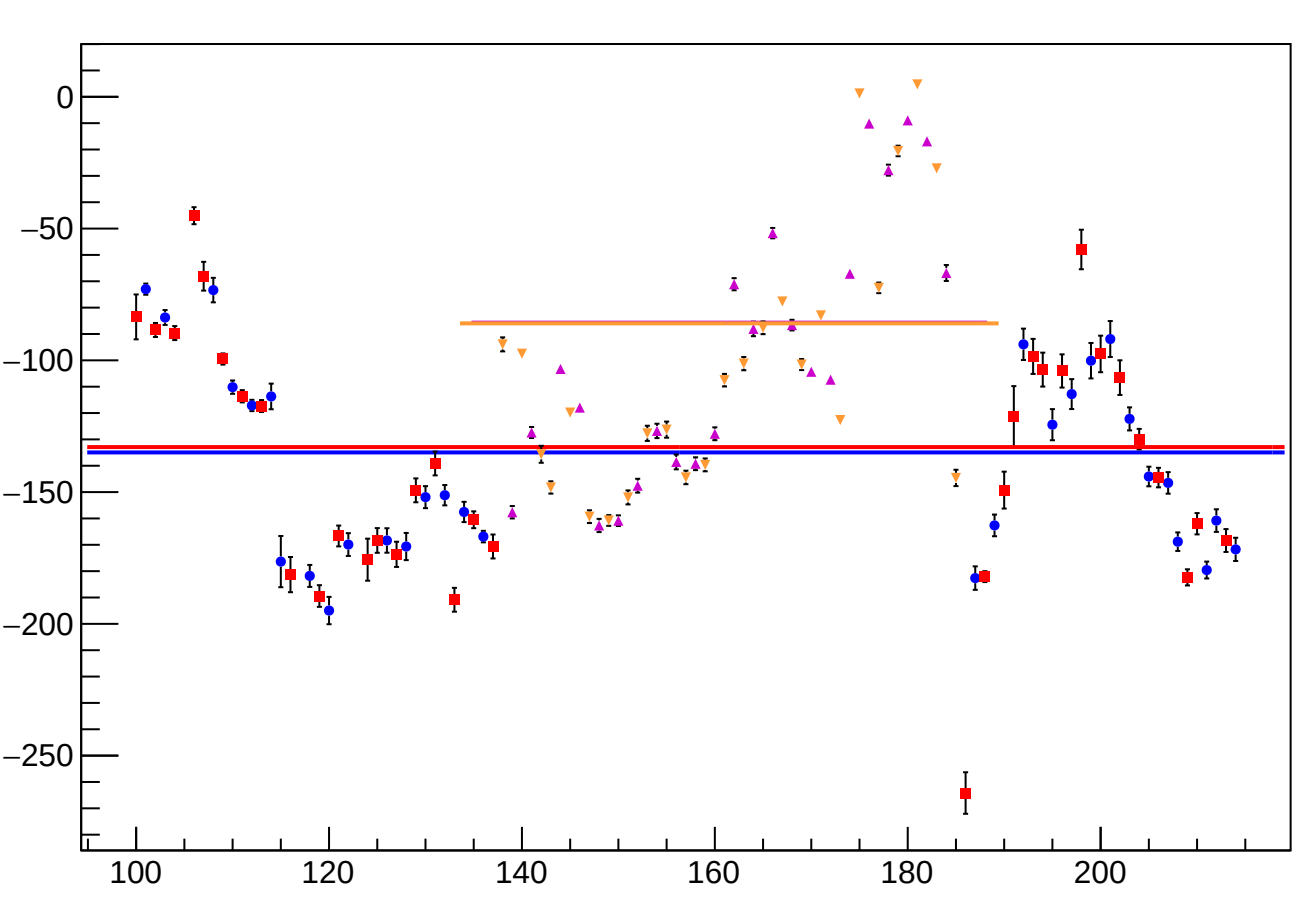
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 41.564+/-0.517 χ^2/NDF: 6907.6/63

In: 36.458+/-0.306 χ^2/NDF:7804.1/52

Out: 36.389+/-0.297 χ^2/NDF:9341.2/58

All: 36.422+/-0.213 χ^2/NDF: 17145.3/111



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

Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

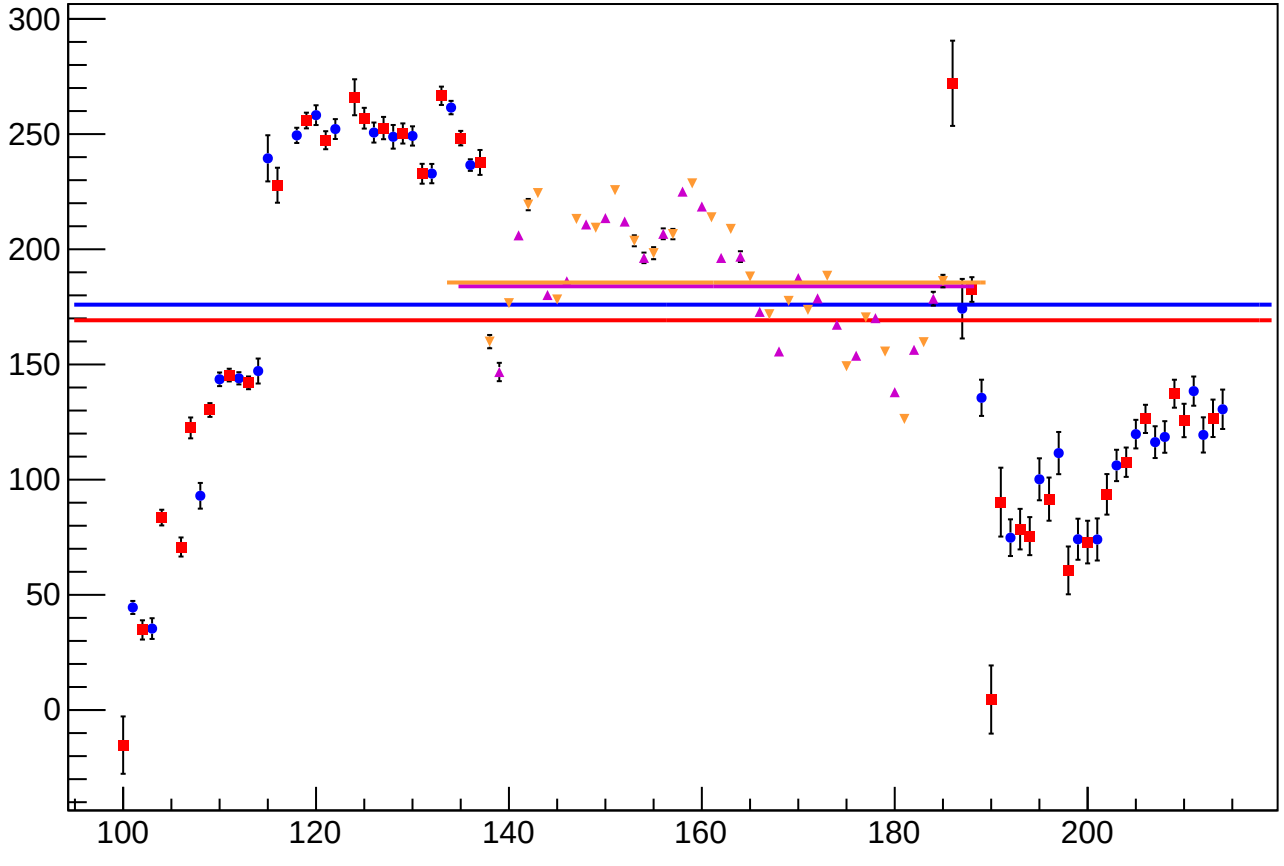
Right: -133.893+/-0.471 χ^2/NDF: 7046.6/63

In: -99.890+/-0.365 χ^2/NDF:20466.6/52

Out: -99.738+/-0.354 χ^2/NDF:23951.6/58

All: -99.811+/-0.254 χ^2/NDF: 44418.4/111

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



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

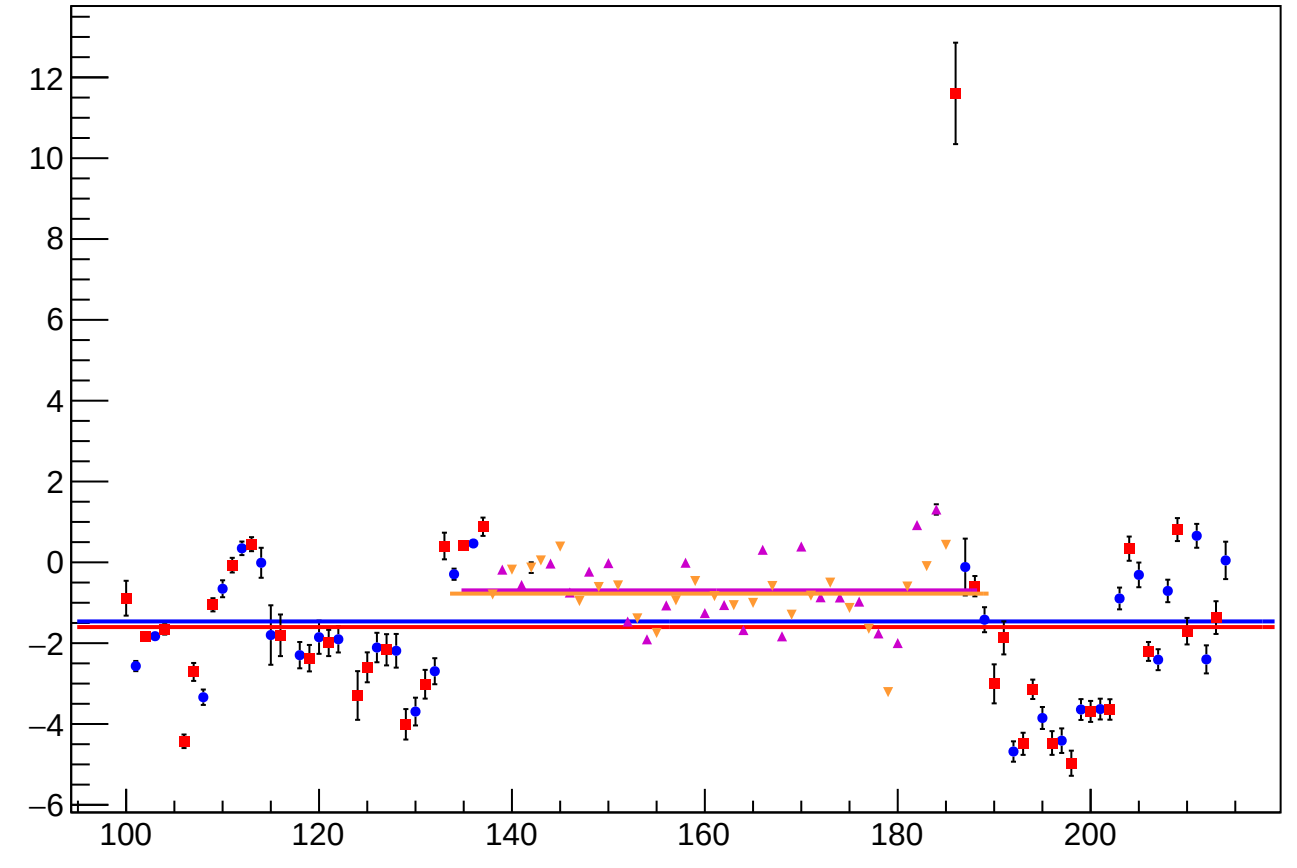
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 172.540+/-0.591 χ^2/NDF: 16140.2/63

In: 182.597+/-0.344 χ^2/NDF:12253.9/52

Out: 182.914+/-0.336 χ^2/NDF:13482.1/58

All: 182.760+/-0.240 χ^2/NDF: 25736.5/111



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

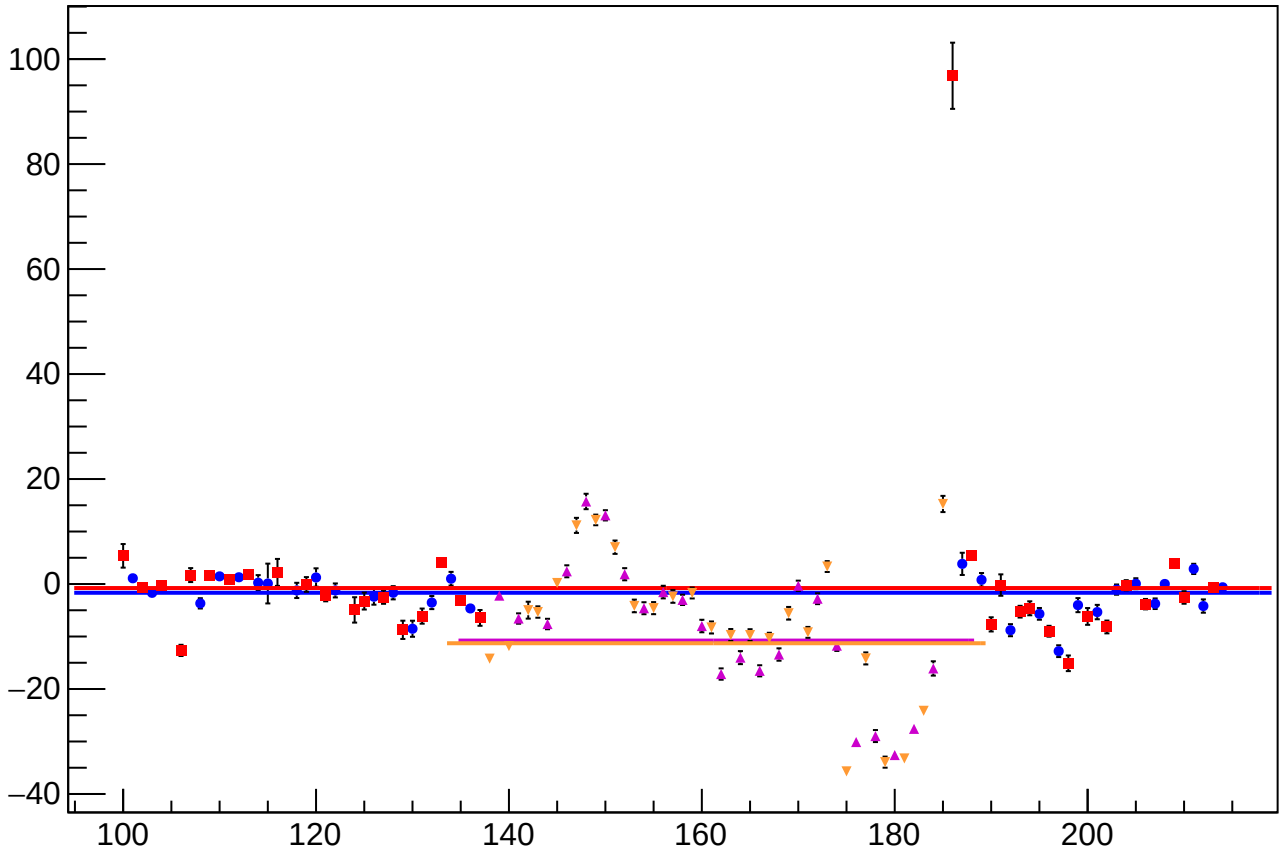
Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

Right: -1.533+/-0.029 χ^2/NDF: 3219.8/63

In: -0.804+/-0.016 χ^2/NDF:4286.1/52

Out: -0.891+/-0.015 χ^2/NDF:3975.5/58

All: -0.848+/-0.011 χ^2/NDF: 8277.9/111



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

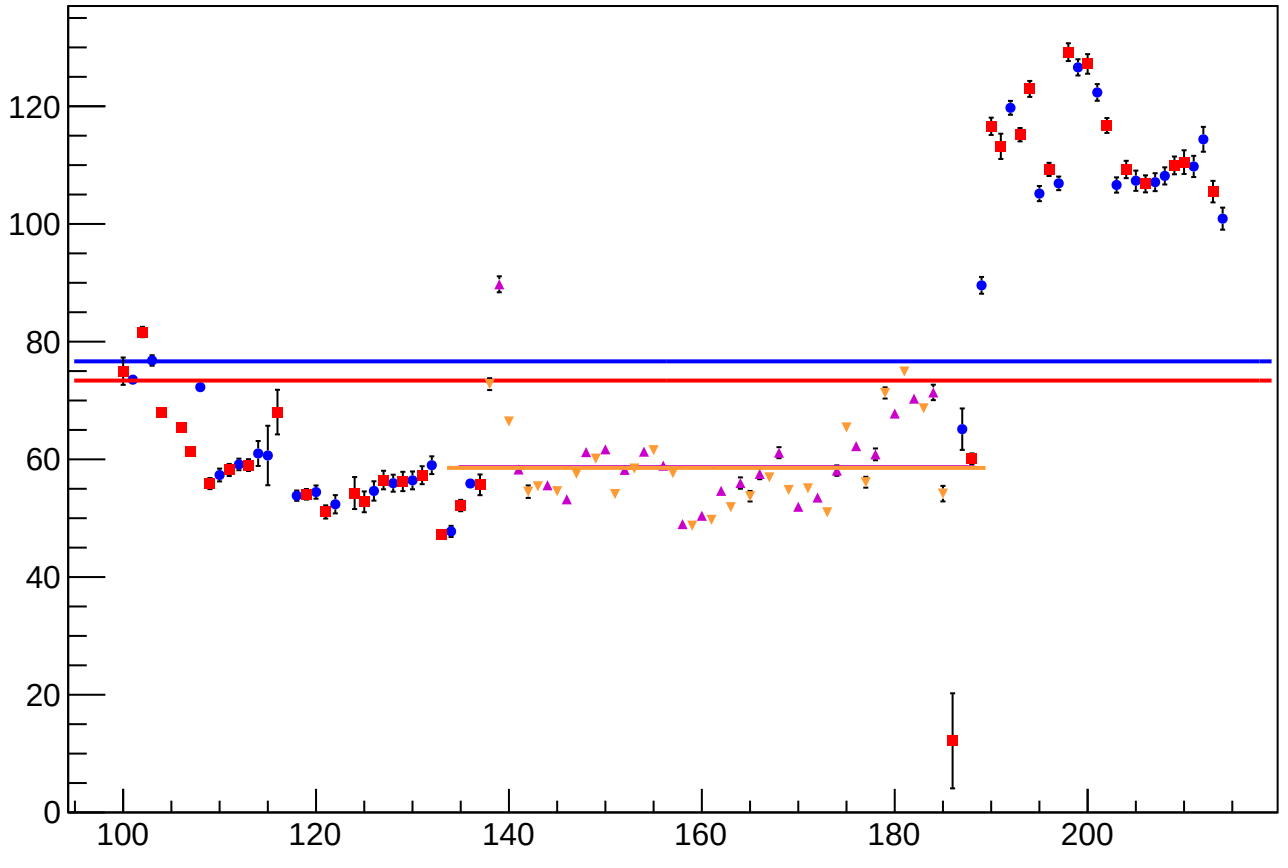
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.175+/-0.129 χ^2/NDF: 1260.4/63

In: -5.743+/-0.143 χ^2/NDF:5025.6/52

Out: -5.119+/-0.134 χ^2/NDF:6928.0/58

All: -5.411+/-0.098 χ^2/NDF: 11963.7/111



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

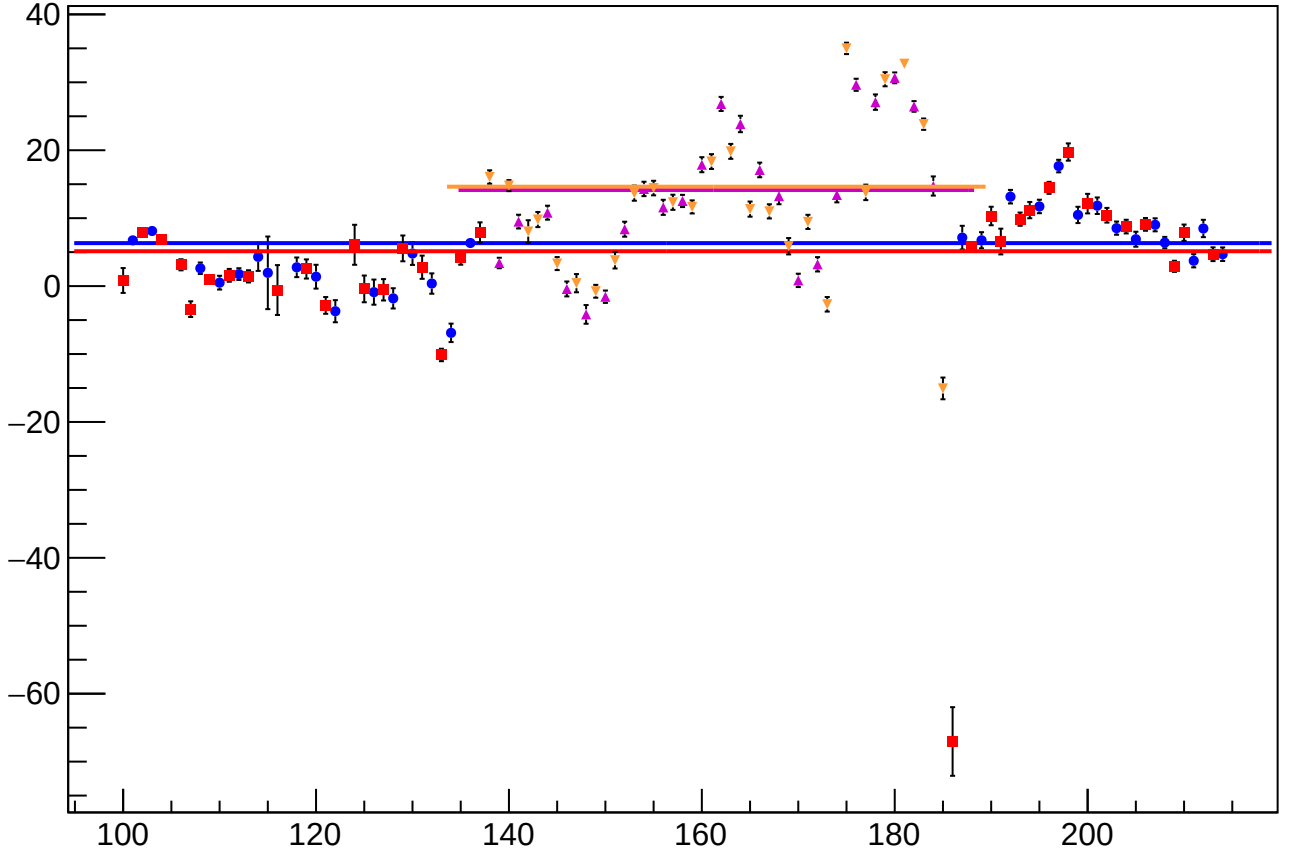
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 74.888+/-0.150 χ^2/NDF: 27855.0/63

In: 65.287+/-0.134 χ^2/NDF:17603.0/52

Out: 64.268+/-0.126 χ^2/NDF:21106.3/58

All: 64.748+/-0.092 χ^2/NDF: 38739.9/111



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

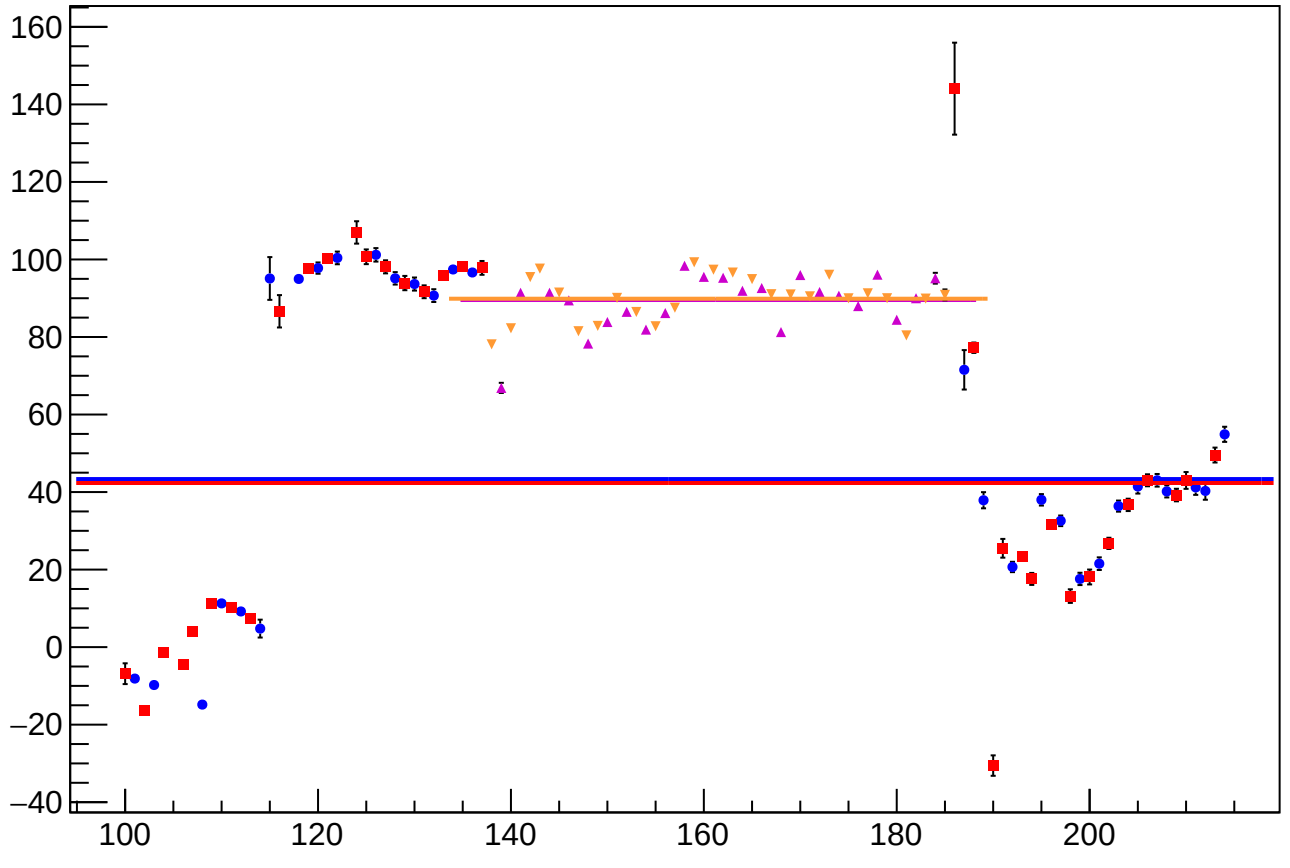
Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

Right: 5.680+/-0.131 χ^2/NDF: 1716.2/63

In: 9.885+/-0.143 χ^2/NDF:3870.1/52

Out: 9.177+/-0.135 χ^2/NDF:5288.8/58

All: 9.512+/-0.098 χ^2/NDF: 9171.9/111



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

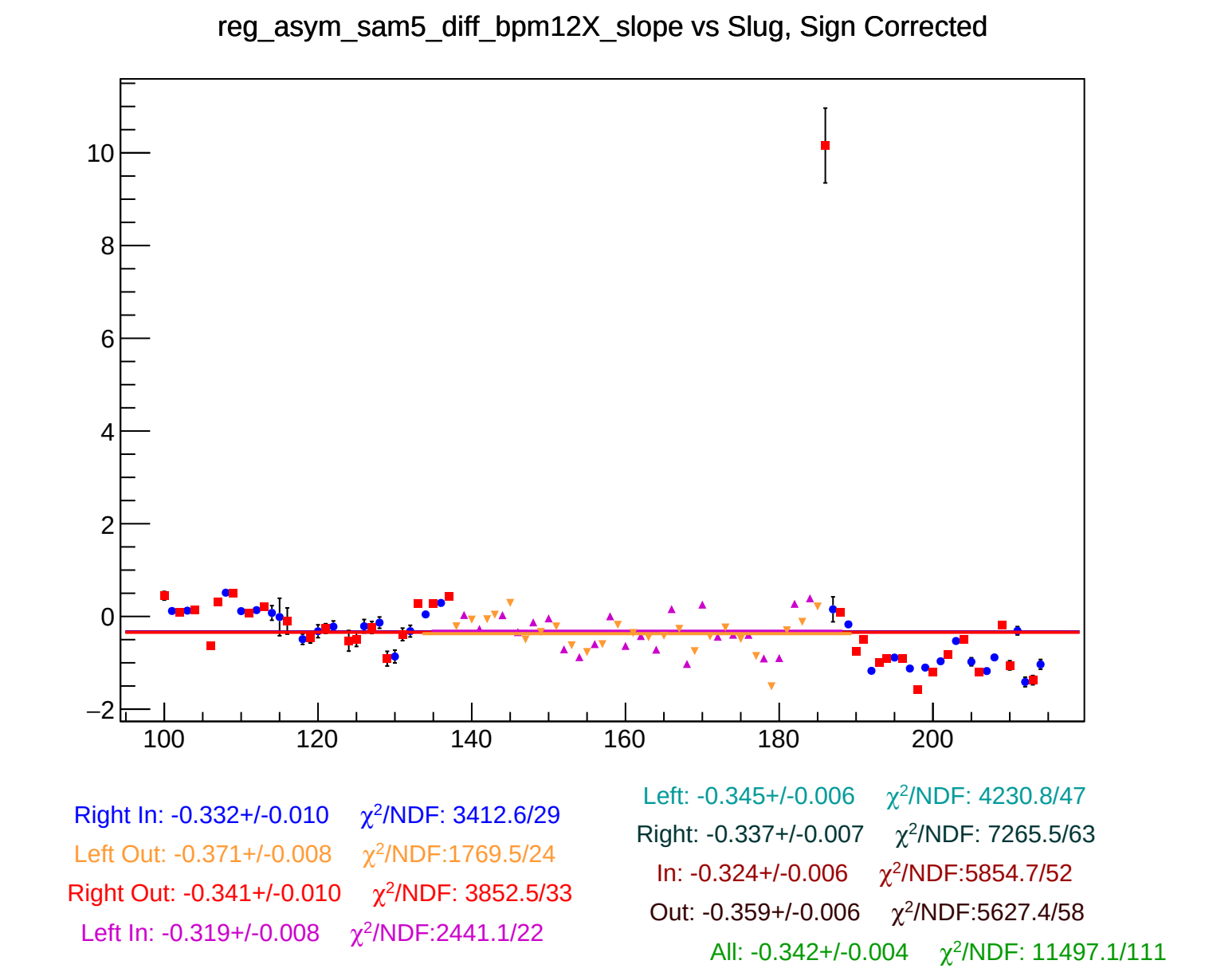
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

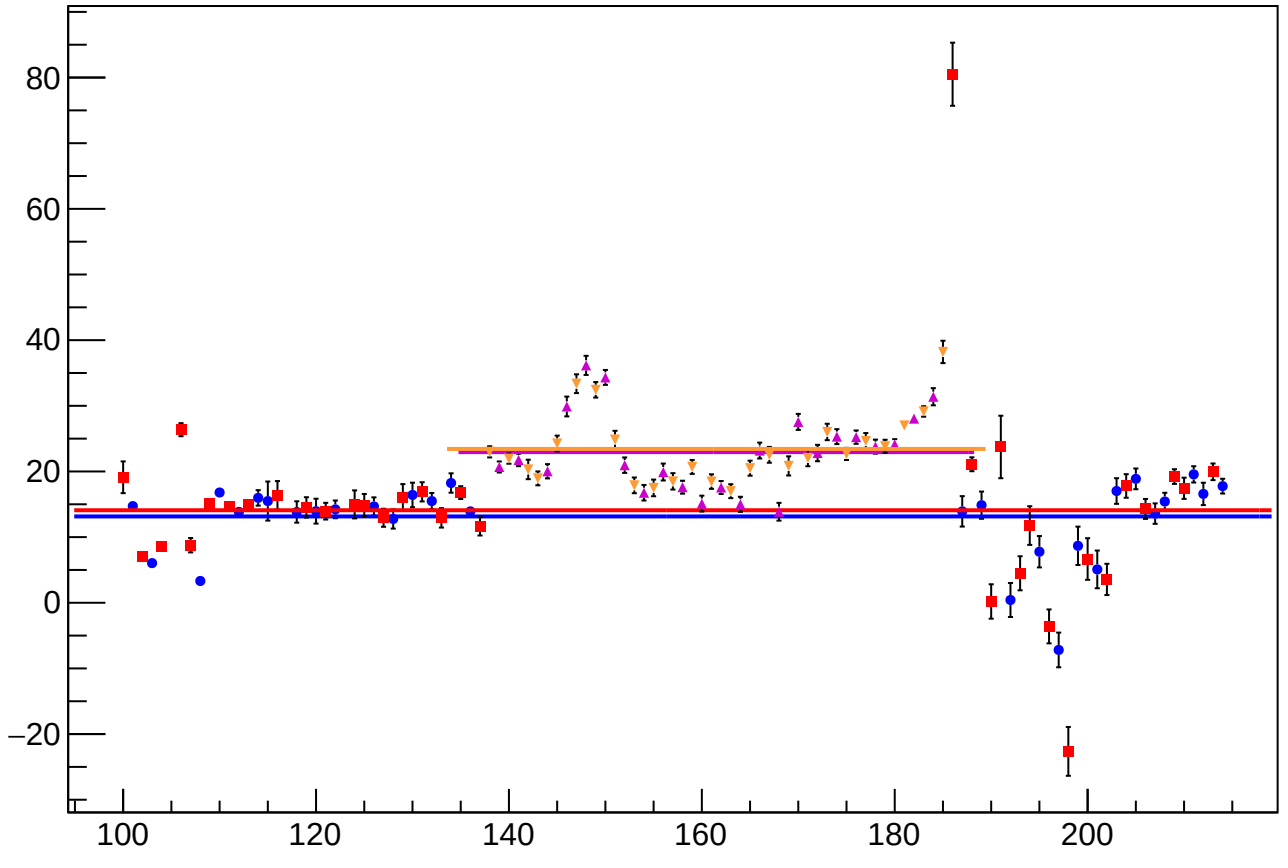
Right: 42.813+/-0.174 χ^2/NDF: 59737.8/63

In: 73.291+/-0.151 χ^2/NDF:50411.7/52

Out: 72.478+/-0.144 χ^2/NDF:58056.2/58

All: 72.866+/-0.104 χ^2/NDF: 108483.1/111


reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected
10
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.332+/-0.010 χ²/NDF: 3412.6/29
Left Out: -0.371+/-0.008 χ²/NDF:1769.5/24
Right Out: -0.341+/-0.010 χ²/NDF: 3852.5/33
Left In: -0.319+/-0.008 χ²/NDF:2441.1/22
Left: -0.345+/-0.006 χ²/NDF: 4230.8/47
Right: -0.337+/-0.007 χ²/NDF: 7265.5/63
In: -0.324+/-0.006 χ²/NDF:5854.7/52
Out: -0.359+/-0.006 χ²/NDF:5627.4/58
All: -0.342+/-0.004 χ²/NDF: 11497.1/111



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

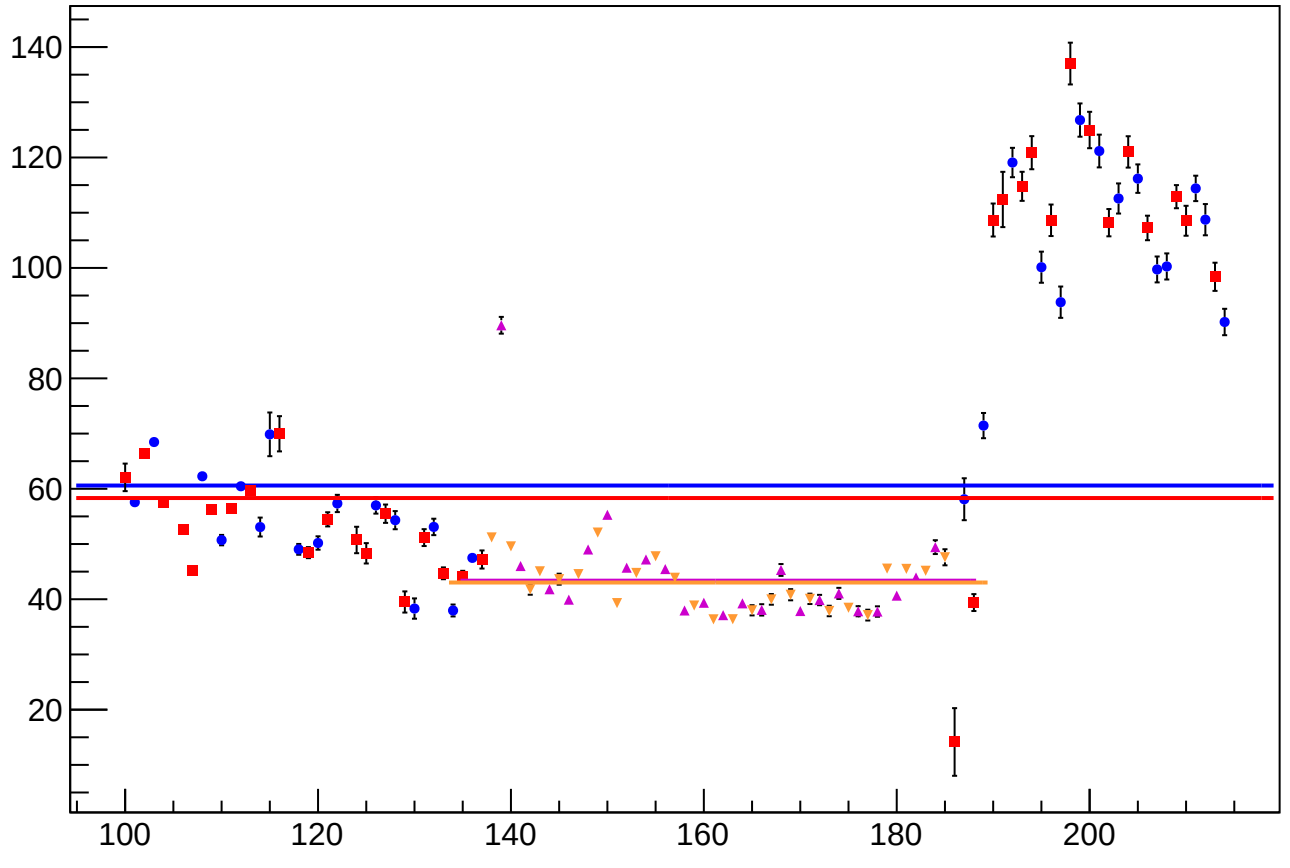
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.639+/-0.135 χ^2/NDF: 1478.0/63

In: 17.338+/-0.147 χ^2/NDF:2205.1/52

Out: 18.109+/-0.142 χ^2/NDF:2403.2/58

All: 17.739+/-0.102 χ^2/NDF: 4622.5/111



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

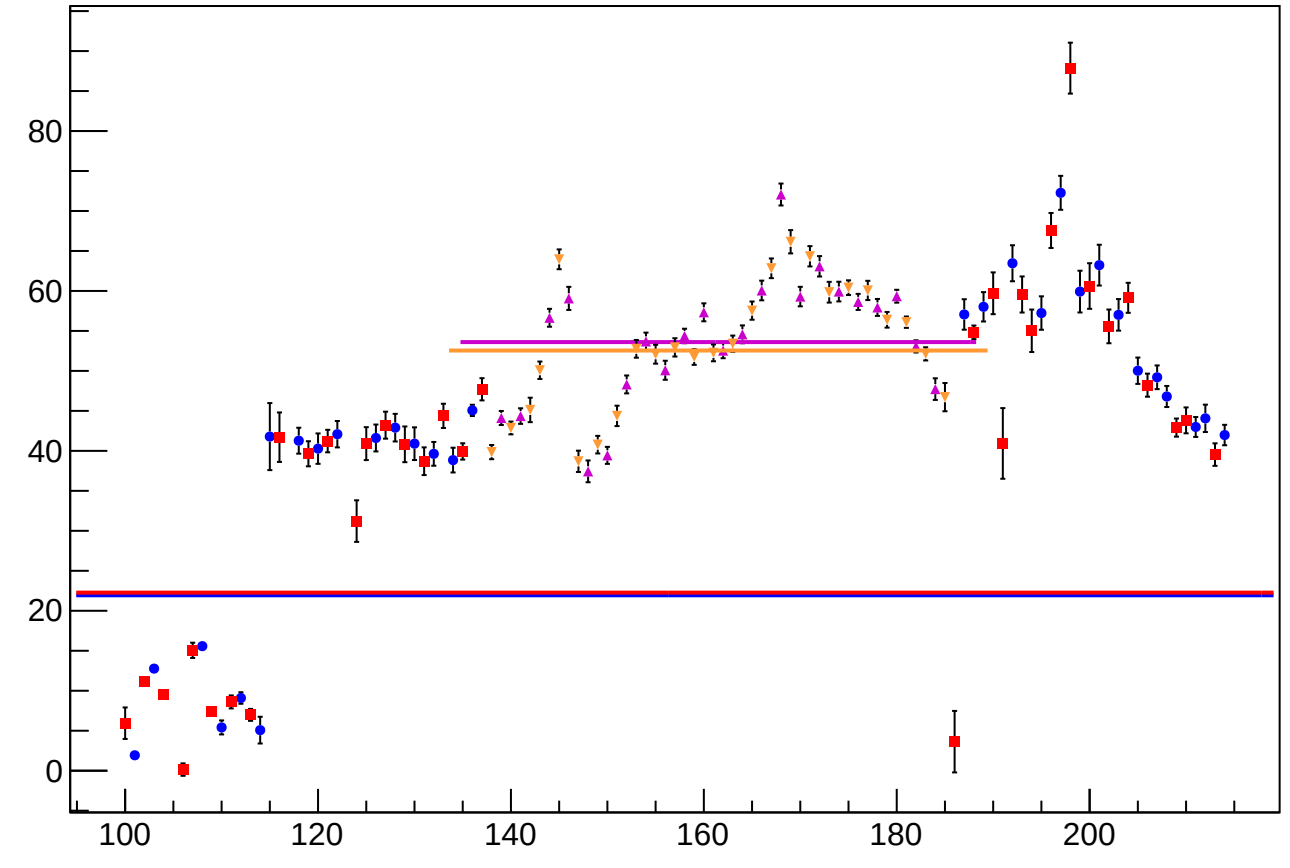
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 59.469+/-0.150 χ^2/NDF: 12267.2/63

In: 50.457+/-0.136 χ^2/NDF:11141.1/52

Out: 48.857+/-0.132 χ^2/NDF:10619.3/58

All: 49.632+/-0.095 χ^2/NDF: 21831.9/111



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

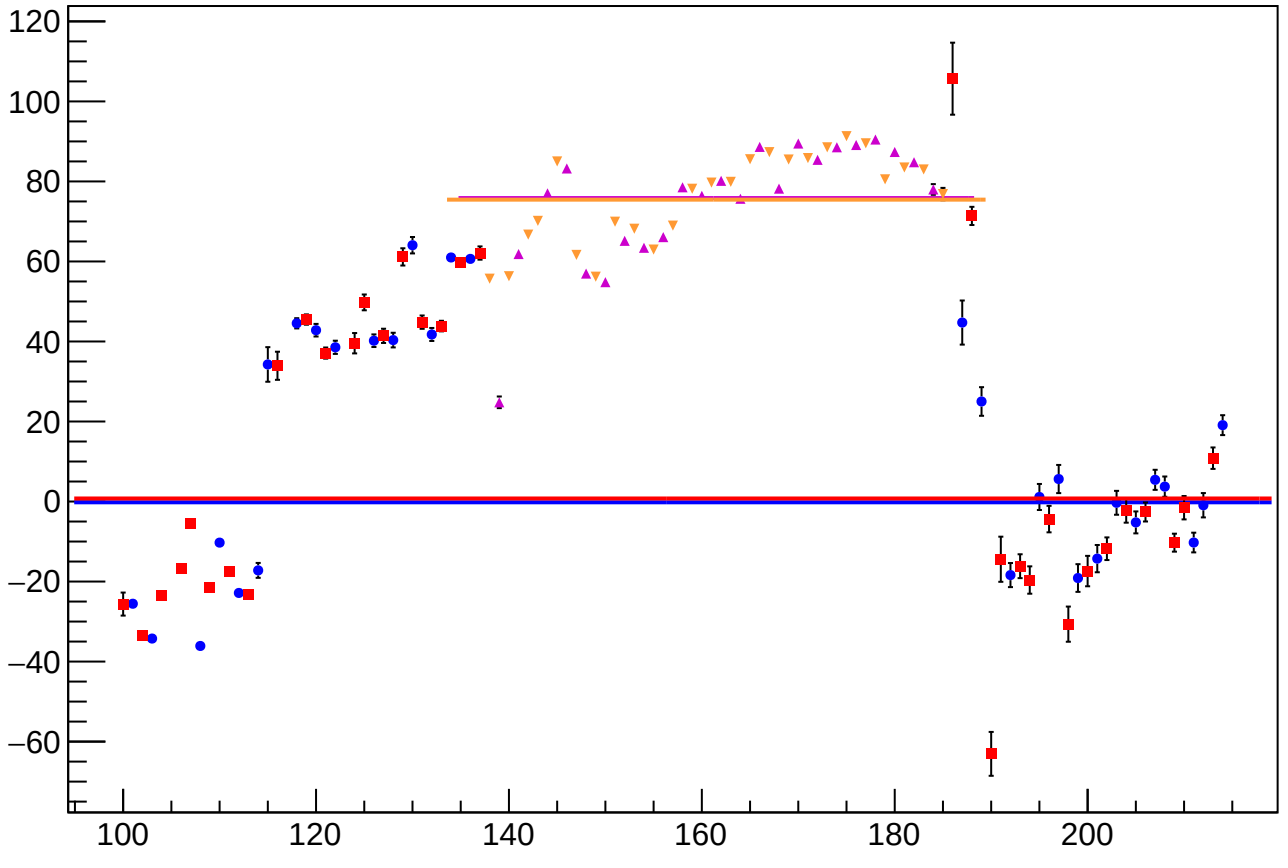
Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

Right: 22.102+/-0.138 χ^2/NDF: 20119.0/63

In: 35.574+/-0.146 χ^2/NDF:22960.2/52

Out: 36.086+/-0.145 χ^2/NDF:21678.8/58

All: 35.832+/-0.103 χ^2/NDF: 44645.2/111



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

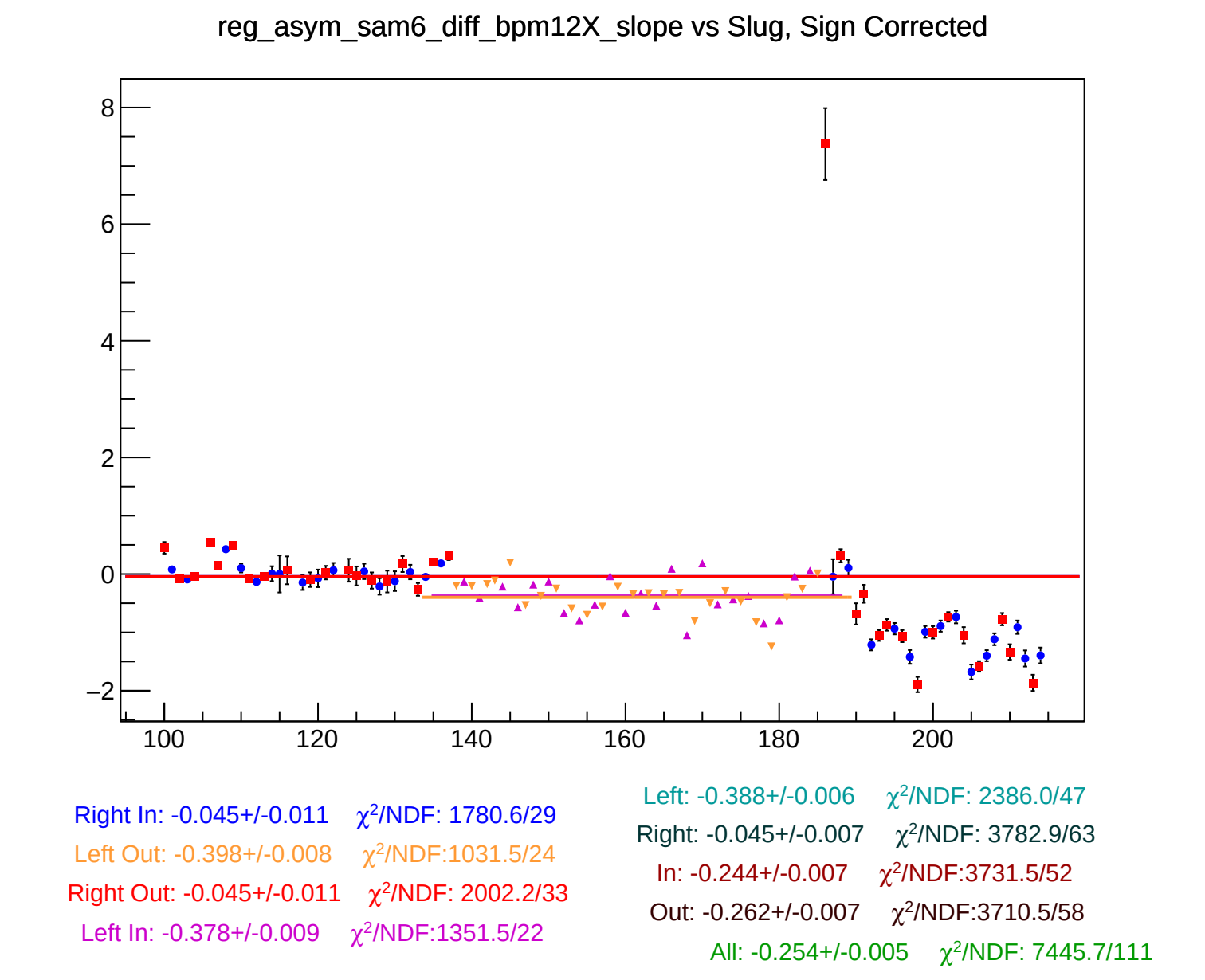
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

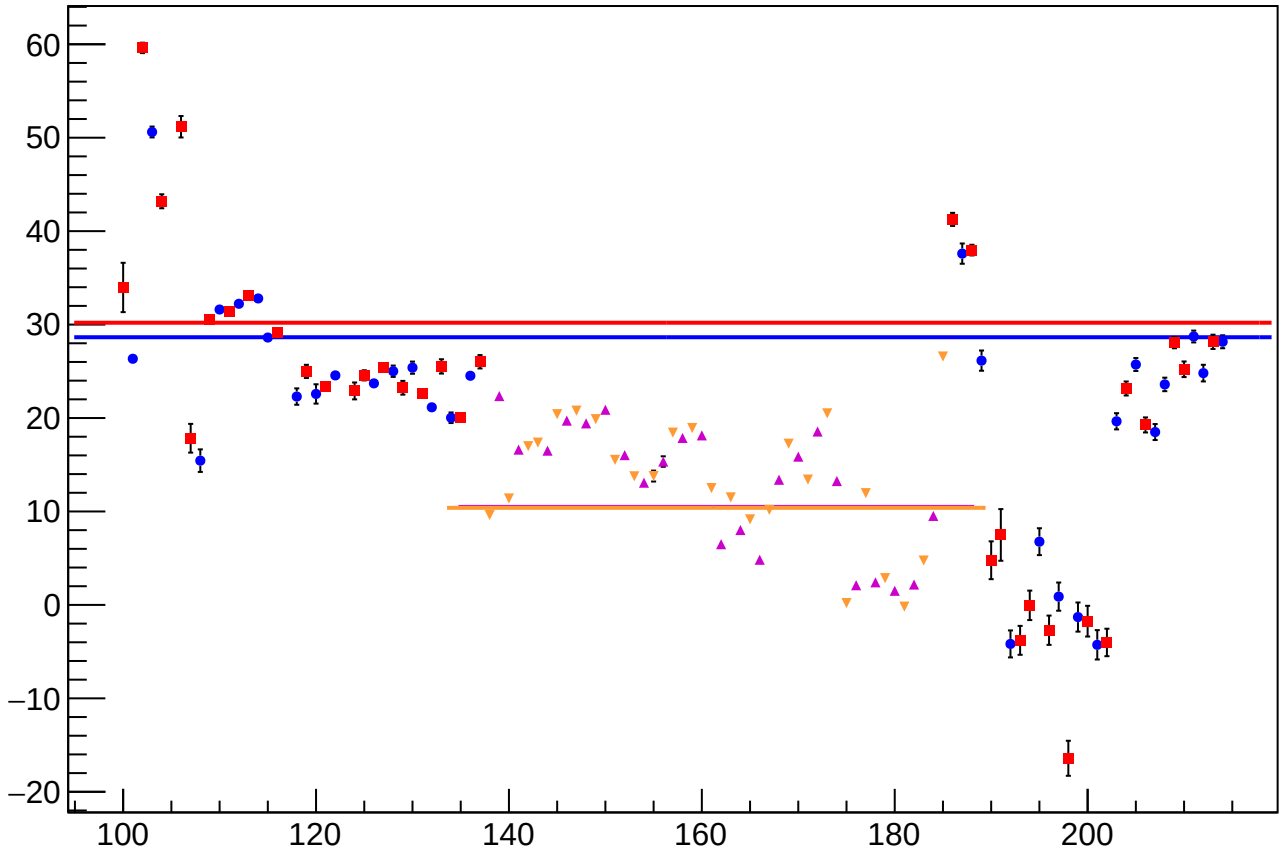
Right: 0.278+/-0.176 χ^2/NDF: 38808.0/63

In: 46.448+/-0.154 χ^2/NDF:83033.1/52

Out: 48.475+/-0.151 χ^2/NDF:77741.0/58

All: 47.488+/-0.108 χ^2/NDF: 160862.3/111


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.045+/-0.011 χ²/NDF: 1780.6/29
Left Out: -0.398+/-0.008 χ²/NDF:1031.5/24
Right Out: -0.045+/-0.011 χ²/NDF: 2002.2/33
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: -0.045+/-0.007 χ²/NDF: 3782.9/63
In: -0.244+/-0.007 χ²/NDF:3731.5/52
Out: -0.262+/-0.007 χ²/NDF:3710.5/58
All: -0.254+/-0.005 χ²/NDF: 7445.7/111



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

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

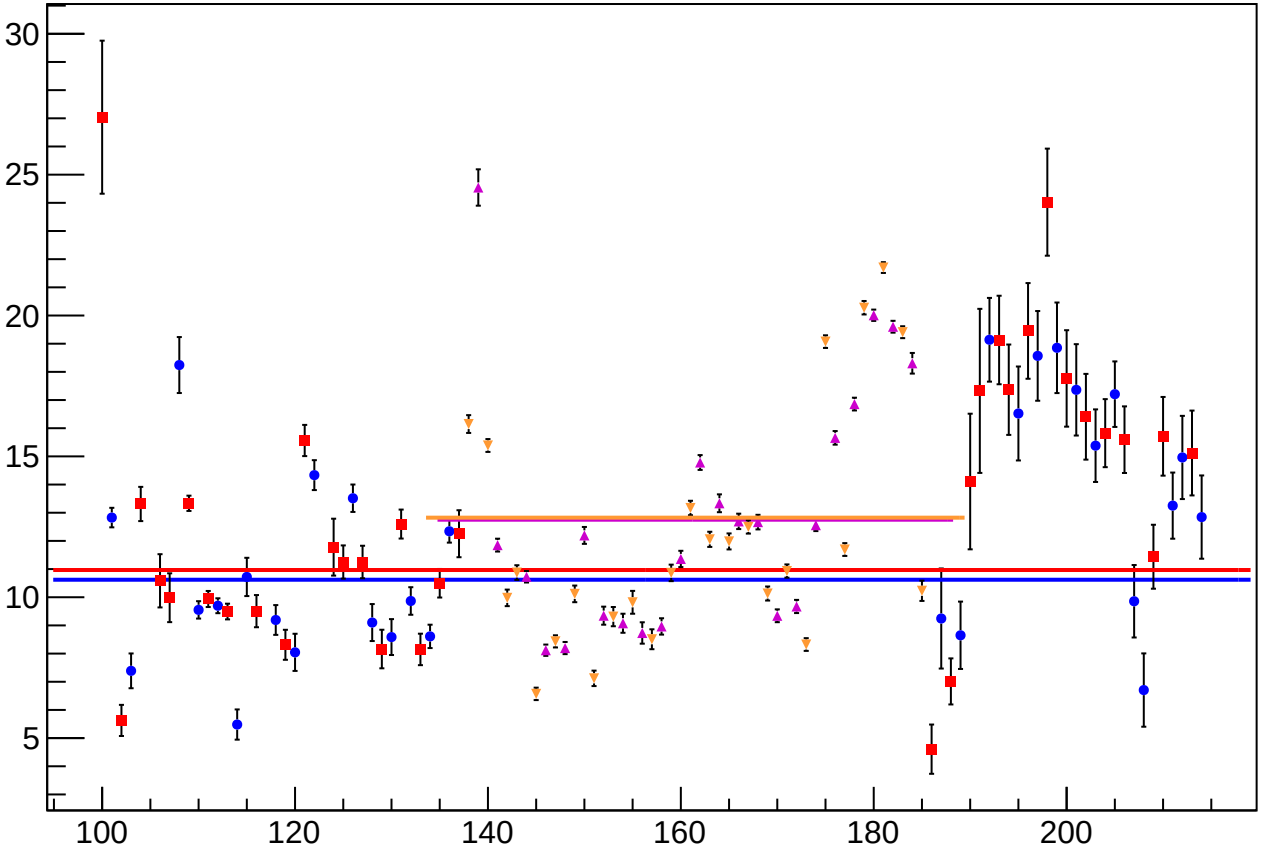
Right: 29.519+/-0.057 χ^2/NDF: 14898.0/63

In: 17.303+/-0.053 χ^2/NDF:45012.1/52

Out: 18.616+/-0.049 χ^2/NDF:62368.4/58

All: 18.008+/-0.036 χ^2/NDF: 107712.4/111

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



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

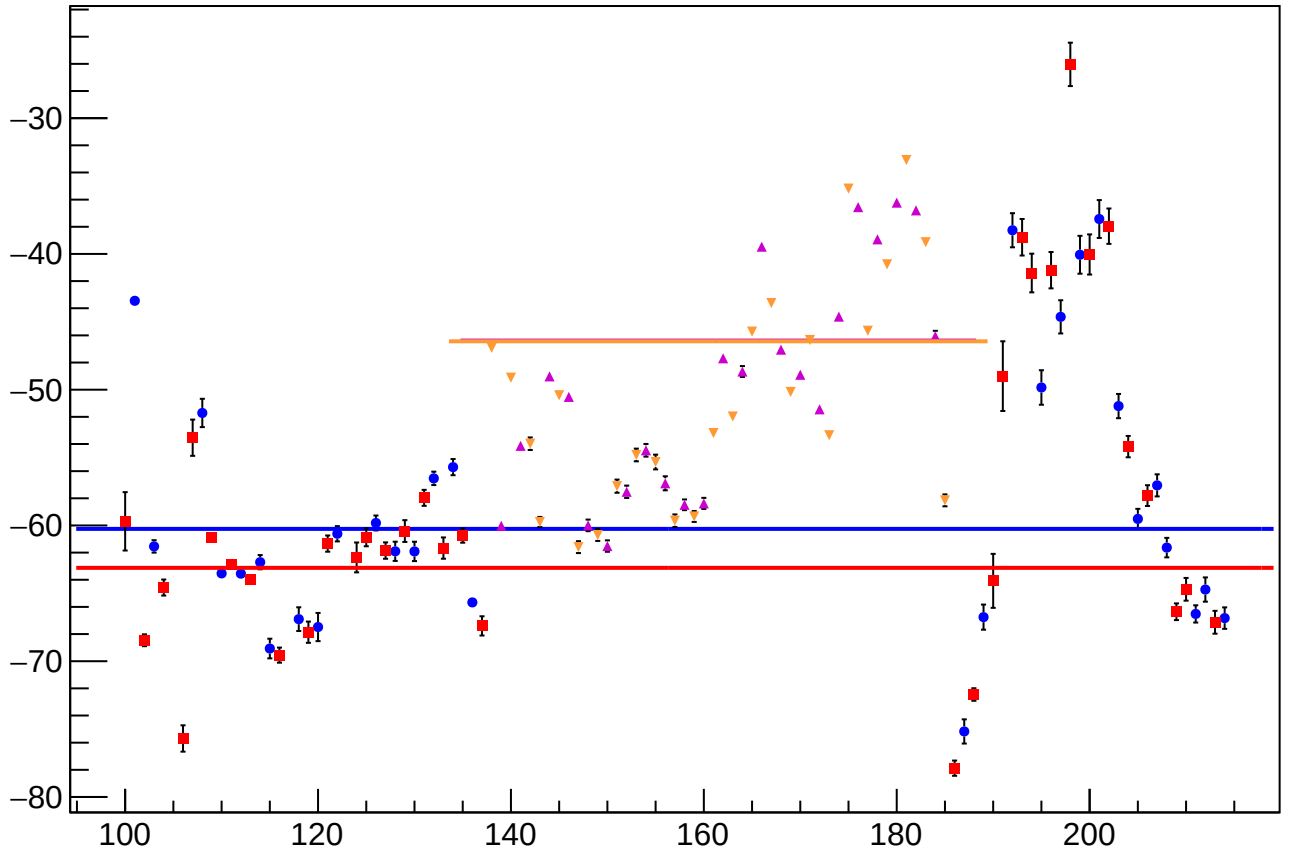
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.797+/-0.076 χ^2/NDF: 1298.8/63

In: 12.346+/-0.048 χ^2/NDF:6409.3/52

Out: 12.482+/-0.046 χ^2/NDF:8957.1/58

All: 12.416+/-0.033 χ^2/NDF: 15370.7/111



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

Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

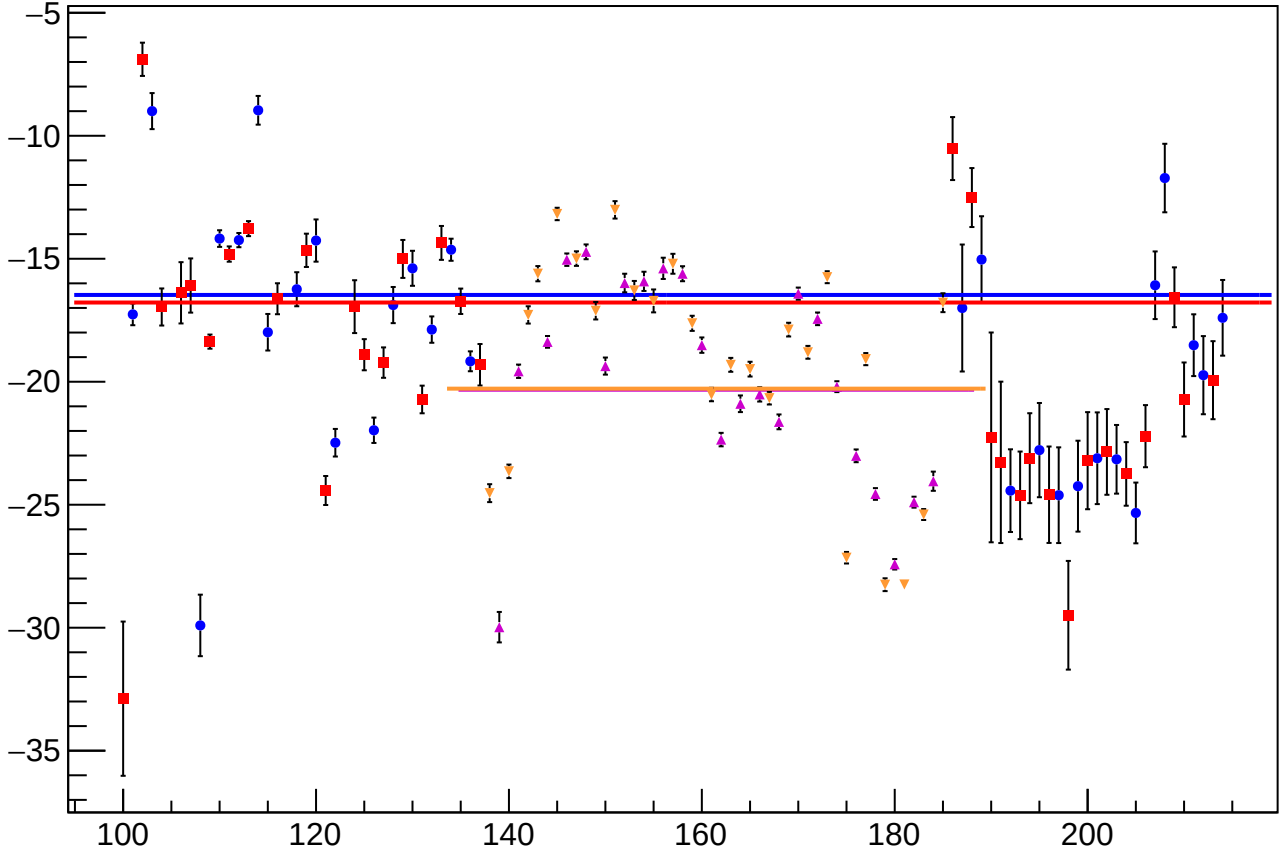
Right: -61.769+/-0.070 χ^2/NDF: 9860.2/63

In: -50.529+/-0.056 χ^2/NDF:33223.9/52

Out: -51.568+/-0.054 χ^2/NDF:42995.2/58

All: -51.070+/-0.039 χ^2/NDF: 76399.1/111

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



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

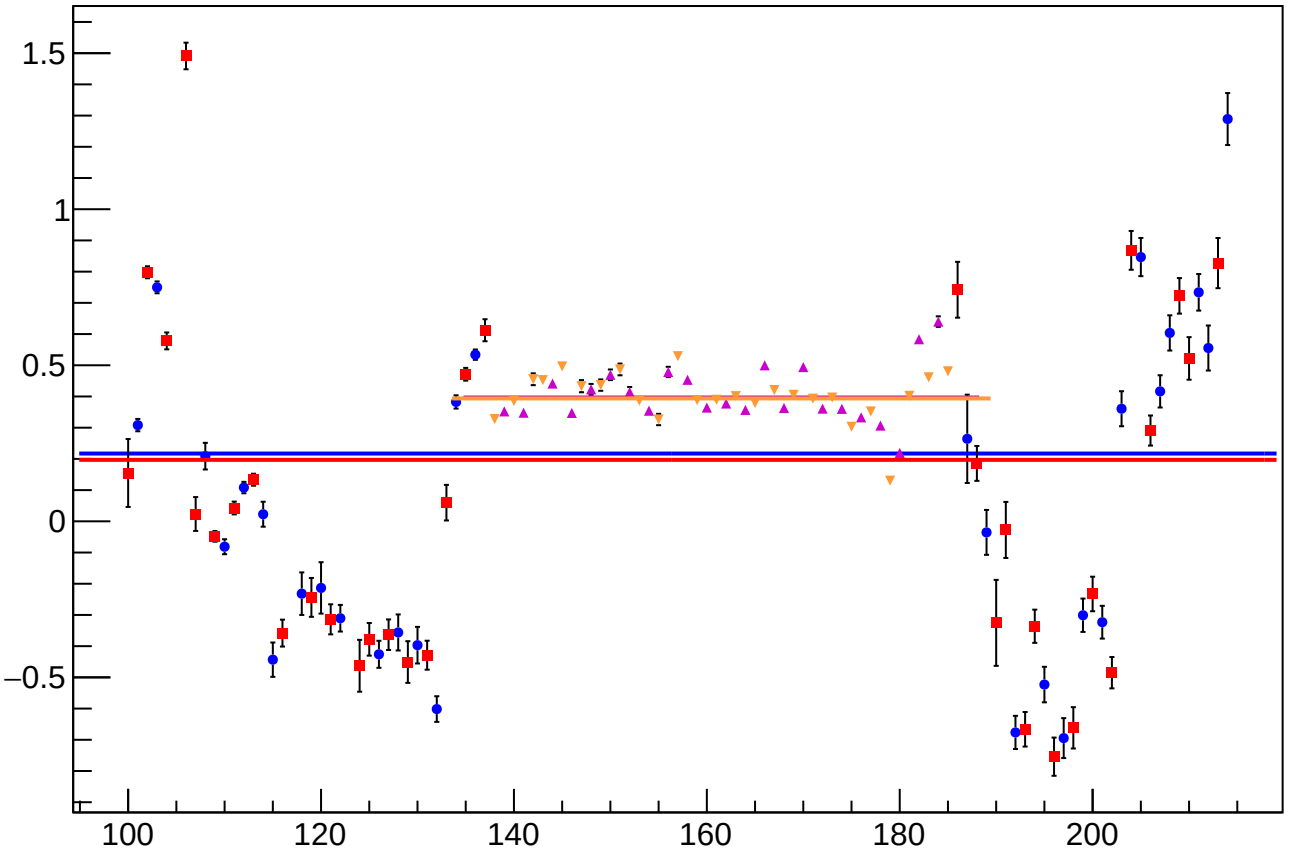
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.628+/-0.085 χ^2/NDF: 1875.0/63

In: -19.590+/-0.053 χ^2/NDF:6062.0/52

Out: -19.629+/-0.051 χ^2/NDF:8613.5/58

All: -19.610+/-0.037 χ^2/NDF: 14675.7/111



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

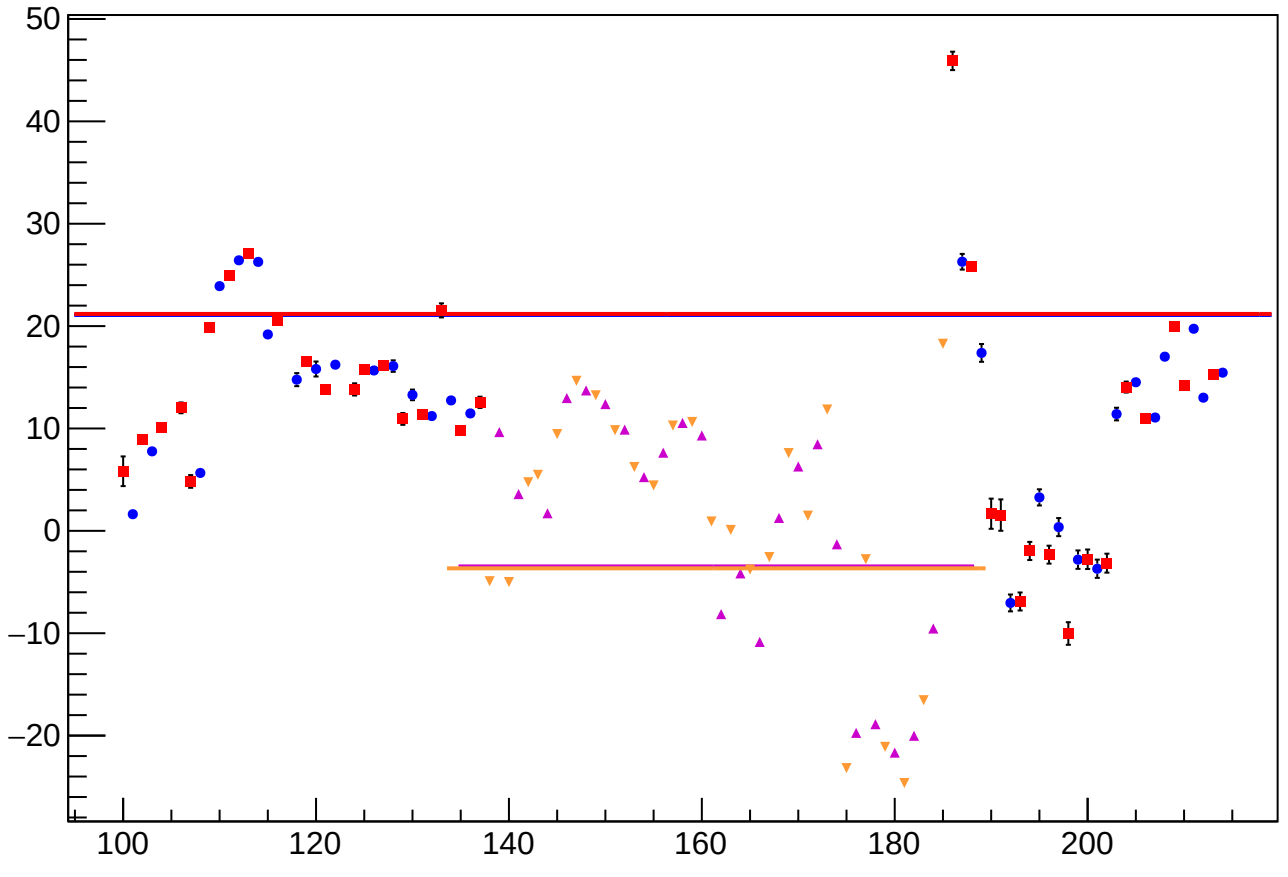
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.207+/-0.005 χ^2/NDF: 8923.7/63

In: 0.371+/-0.002 χ^2/NDF:5901.9/52

Out: 0.367+/-0.002 χ^2/NDF:6714.3/58

All: 0.369+/-0.002 χ^2/NDF: 12617.6/111



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

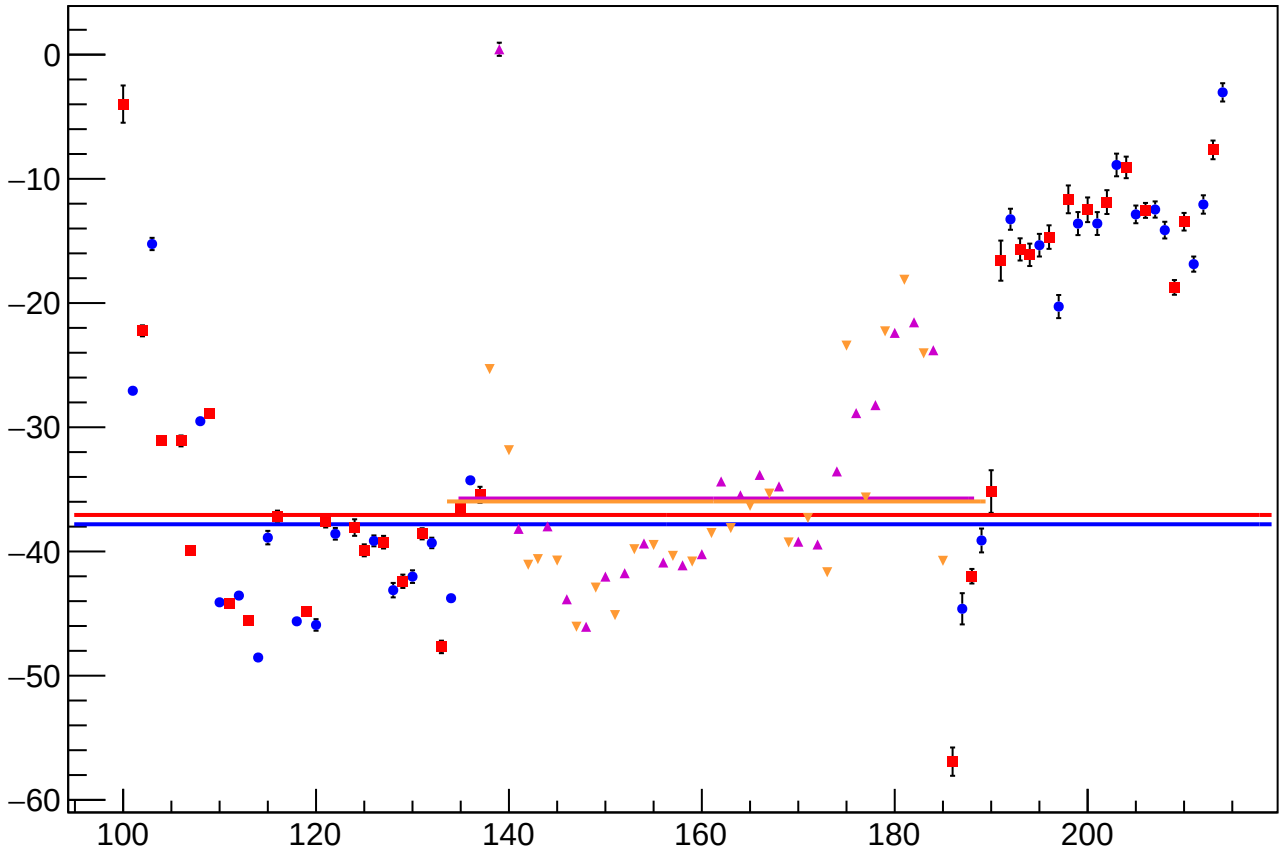
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.146+/-0.034 χ^2/NDF: 36320.1/63

In: 9.944+/-0.039 χ^2/NDF:163428.1/52

Out: 11.357+/-0.034 χ^2/NDF:200188.2/58

All: 10.735+/-0.026 χ^2/NDF: 364363.2/111



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

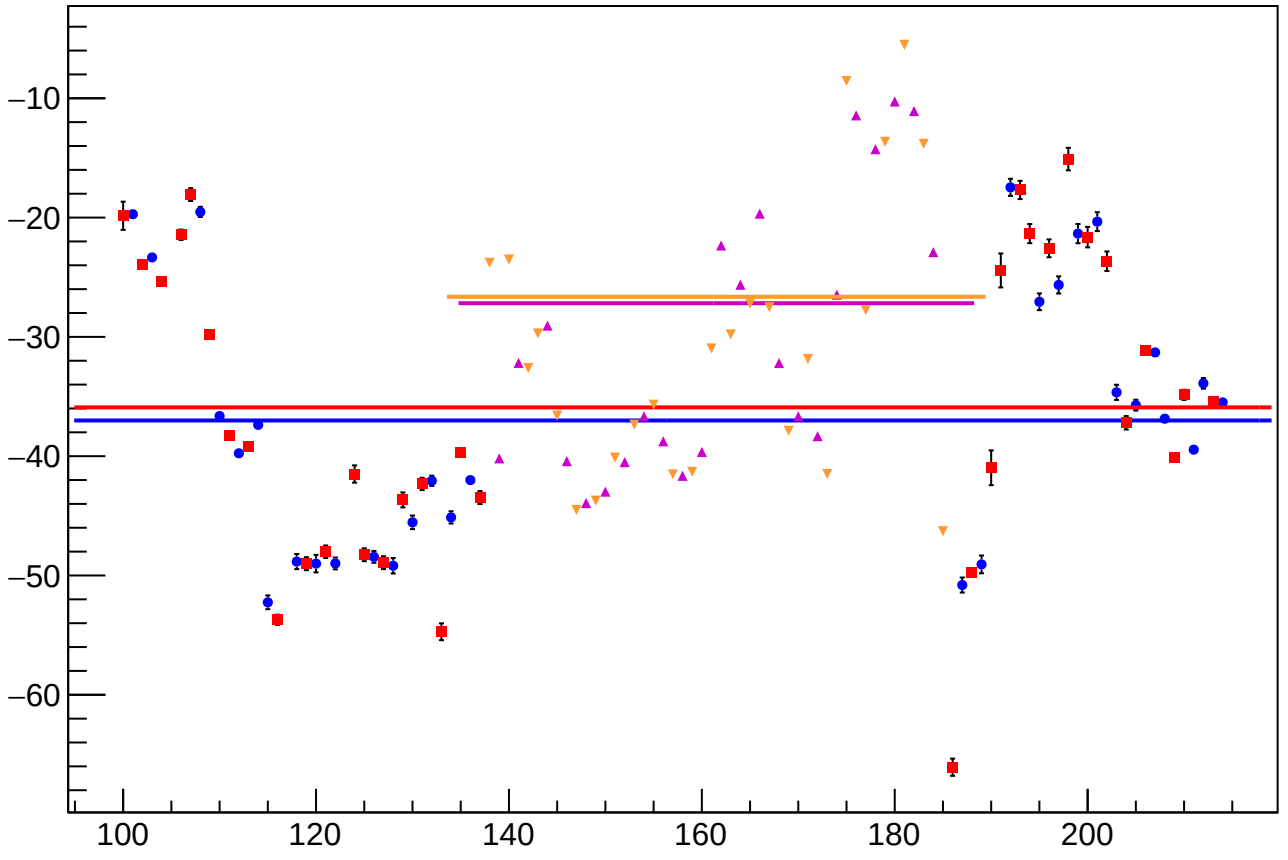
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -37.411+/-0.049 χ^2/NDF: 43247.7/63

In: -36.318+/-0.038 χ^2/NDF:49766.4/52

Out: -36.281+/-0.036 χ^2/NDF:54970.4/58

All: -36.299+/-0.026 χ^2/NDF: 104737.3/111



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

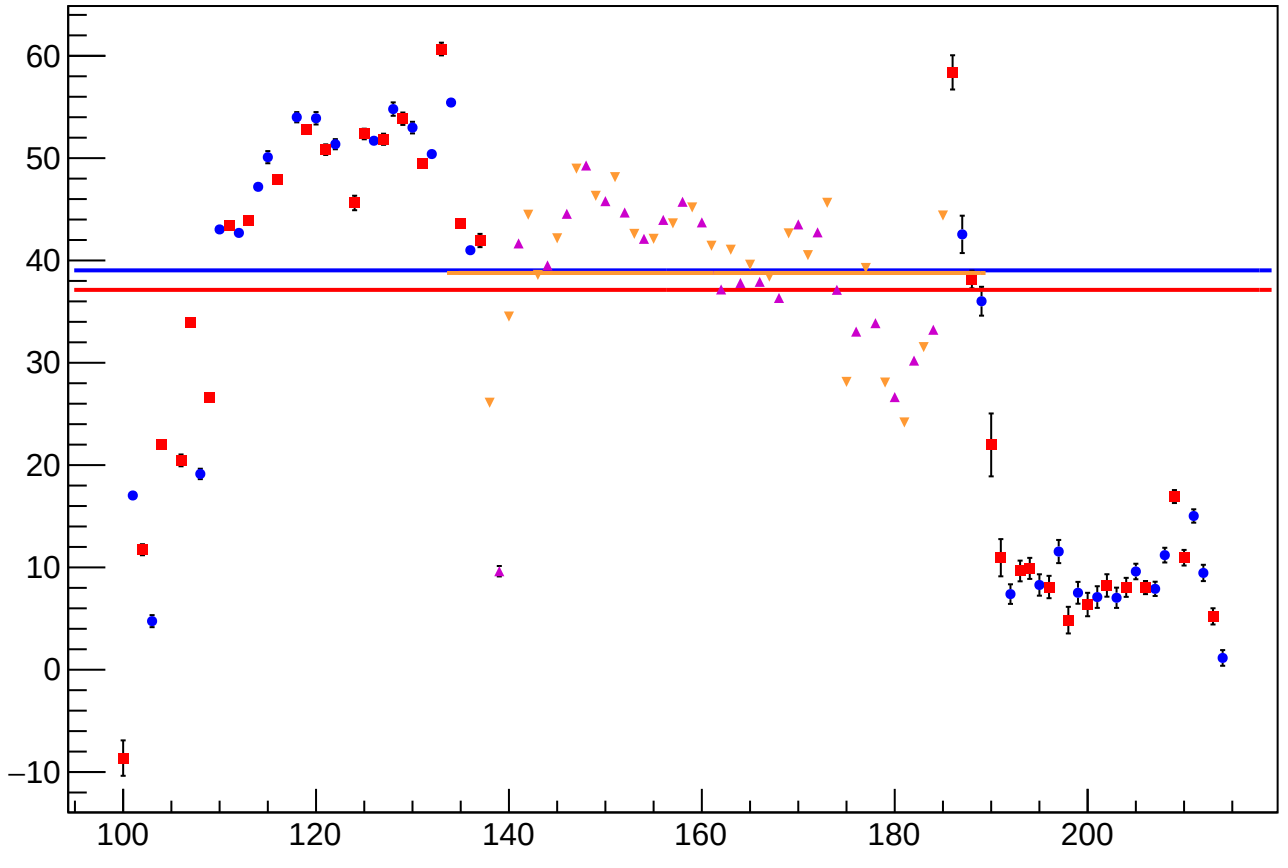
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.401+/-0.043 χ^2/NDF: 33580.2/63

In: -31.485+/-0.043 χ^2/NDF:67951.4/52

Out: -30.962+/-0.040 χ^2/NDF:82896.9/58

All: -31.205+/-0.029 χ^2/NDF: 150927.8/111



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

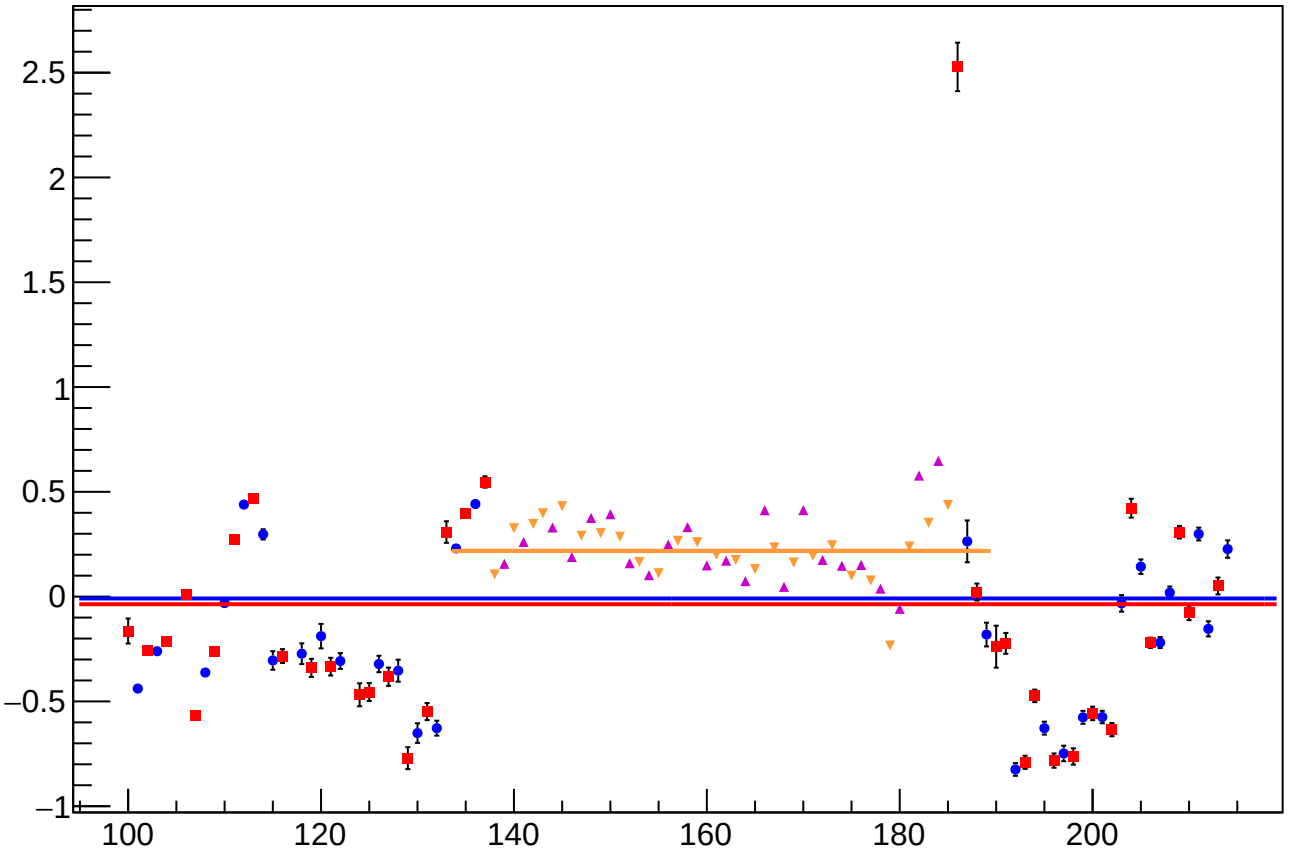
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 38.010+/-0.055 χ^2/NDF: 62831.0/63

In: 38.859+/-0.043 χ^2/NDF:48432.0/52

Out: 38.297+/-0.040 χ^2/NDF:51761.4/58

All: 38.562+/-0.029 χ^2/NDF: 100285.9/111



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

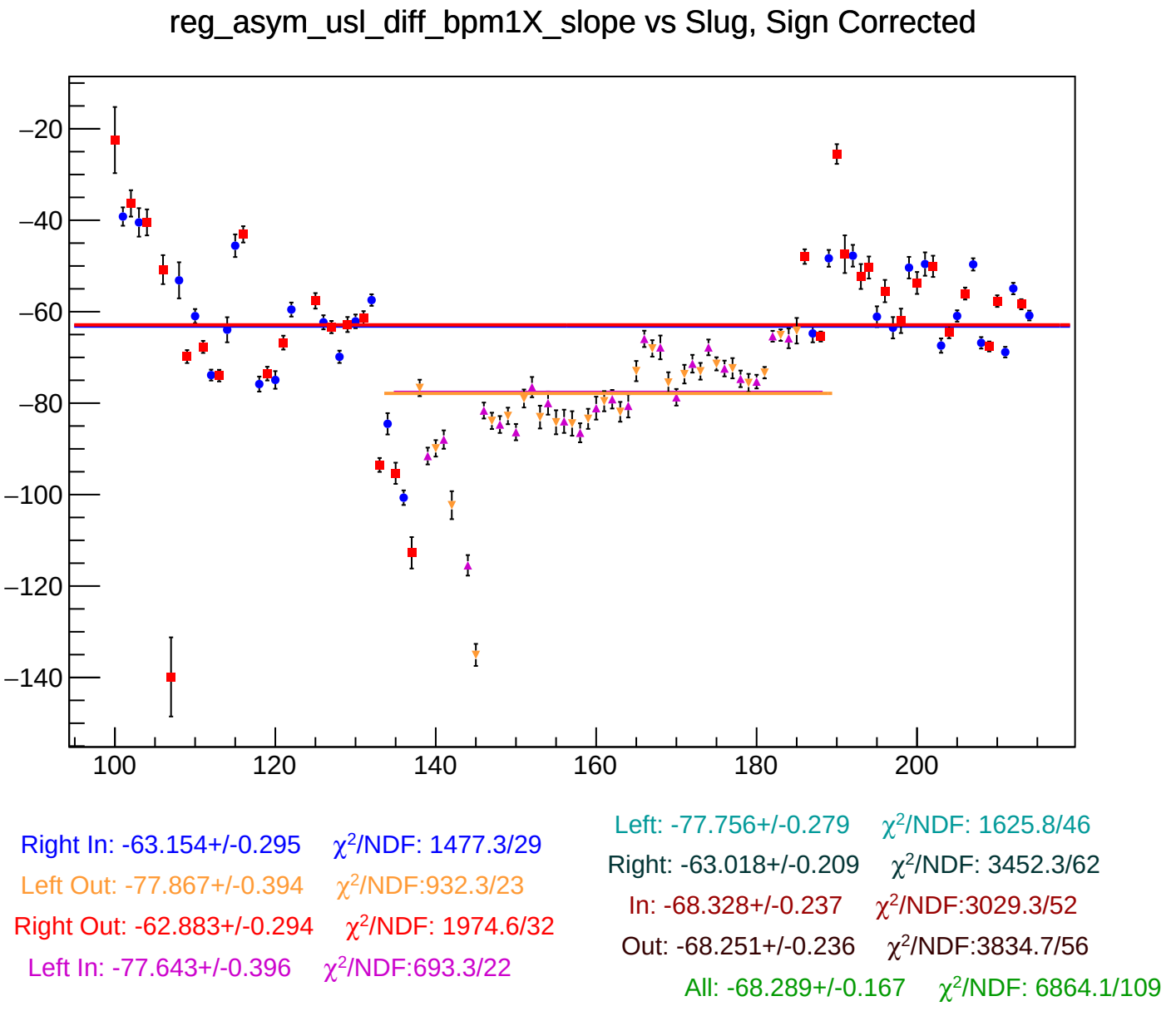
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

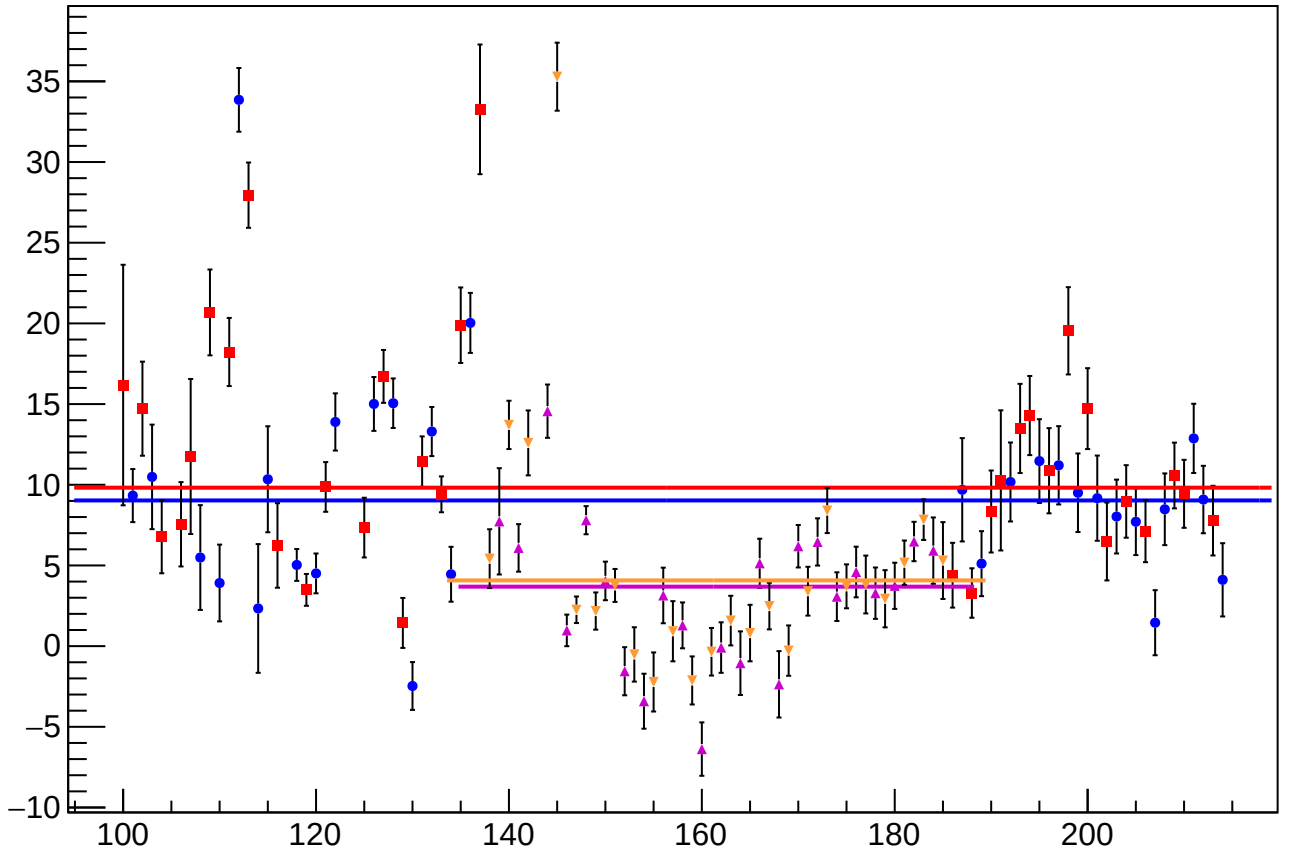
Right: -0.024+/-0.003 χ^2/NDF: 17851.5/63

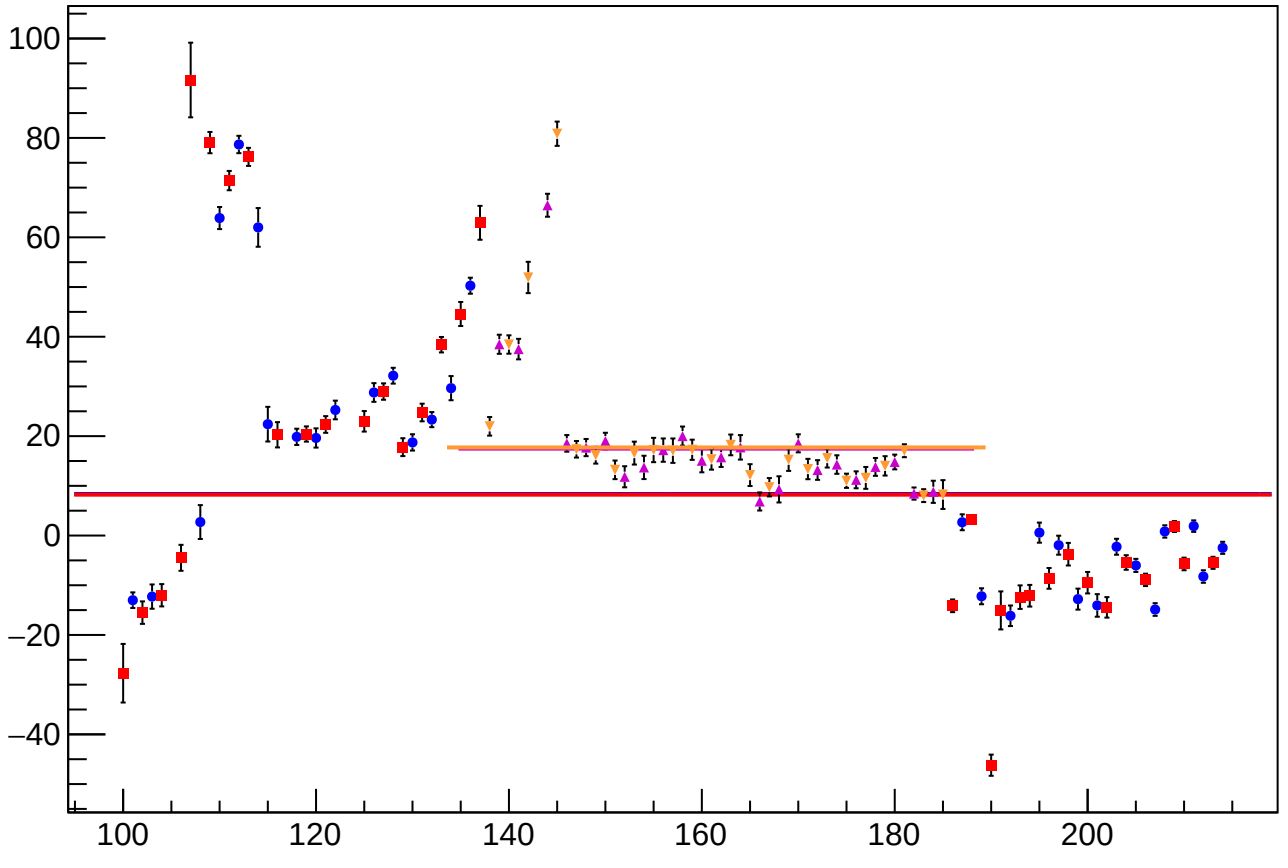
In: 0.170+/-0.002 χ^2/NDF:15729.4/52

Out: 0.160+/-0.002 χ^2/NDF:16877.3/58

All: 0.165+/-0.001 χ^2/NDF: 32618.8/111


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
120
140
160
180
200
Right In: -63.154+/-0.295 χ²/NDF: 1477.3/29
Left Out: -77.867+/-0.394 χ²/NDF:932.3/23
Right Out: -62.883+/-0.294 χ²/NDF: 1974.6/32
Left In: -77.643+/-0.396 χ²/NDF:693.3/22
Left: -77.756+/-0.279 χ²/NDF: 1625.8/46
Right: -63.018+/-0.209 χ²/NDF: 3452.3/62
In: -68.328+/-0.237 χ²/NDF:3029.3/52
Out: -68.251+/-0.236 χ²/NDF:3834.7/56
All: -68.289+/-0.167 χ²/NDF: 6864.1/109


reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: 9.029+/-0.351 χ²/NDF: 371.5/29
Left Out: 4.073+/-0.297 χ²/NDF:370.6/23
Right Out: 9.820+/-0.349 χ²/NDF: 317.6/32
Left In: 3.686+/-0.302 χ²/NDF:182.6/22
Left: 3.883+/-0.212 χ²/NDF: 554.0/46
Right: 9.427+/-0.248 χ²/NDF: 691.7/62
In: 5.955+/-0.229 χ²/NDF:687.4/52
Out: 6.484+/-0.226 χ²/NDF:845.5/56
All: 6.223+/-0.161 χ²/NDF: 1535.6/109



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

Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

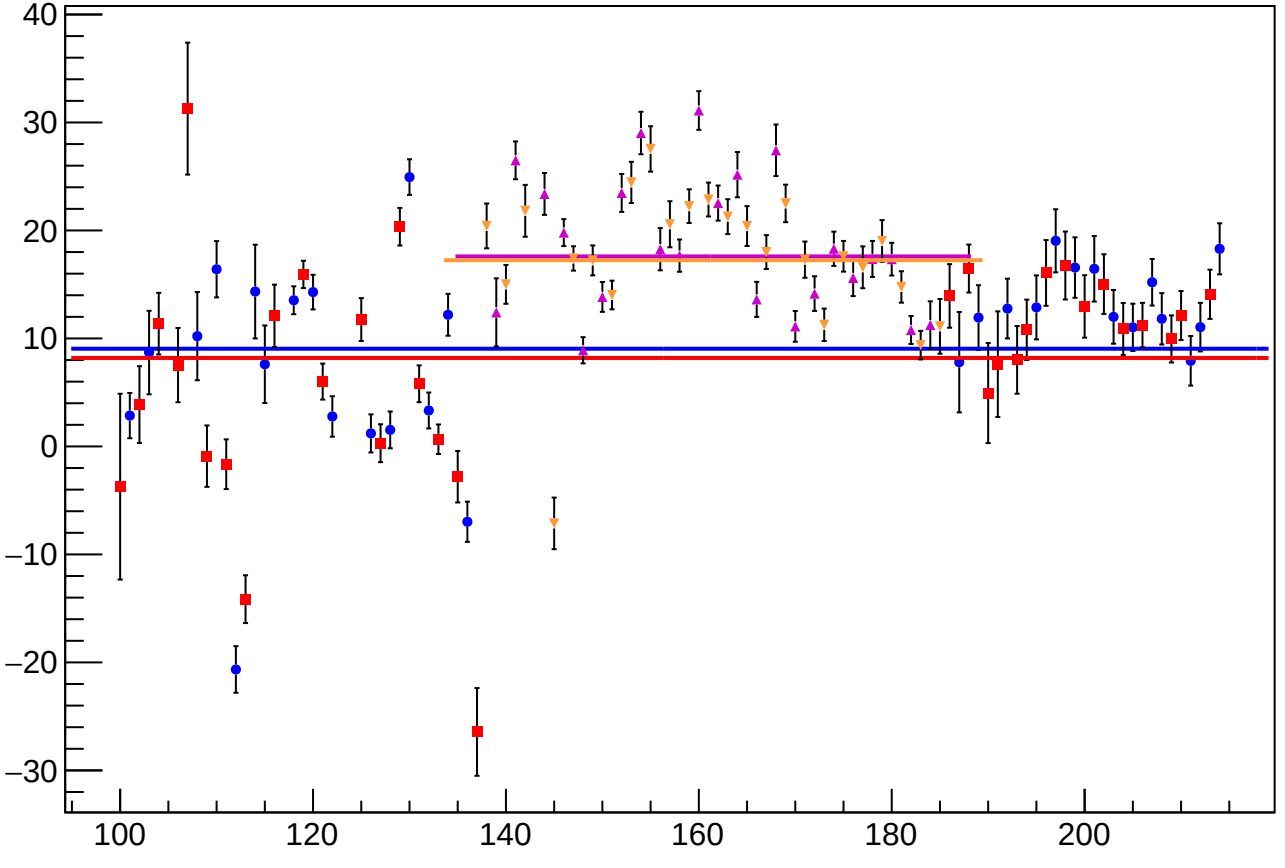
Right: 8.291+/-0.216 χ^2/NDF: 12778.9/62

In: 11.837+/-0.243 χ^2/NDF:6636.7/52

Out: 11.795+/-0.240 χ^2/NDF:8724.0/56

All: 11.816+/-0.170 χ^2/NDF: 15360.7/109

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



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

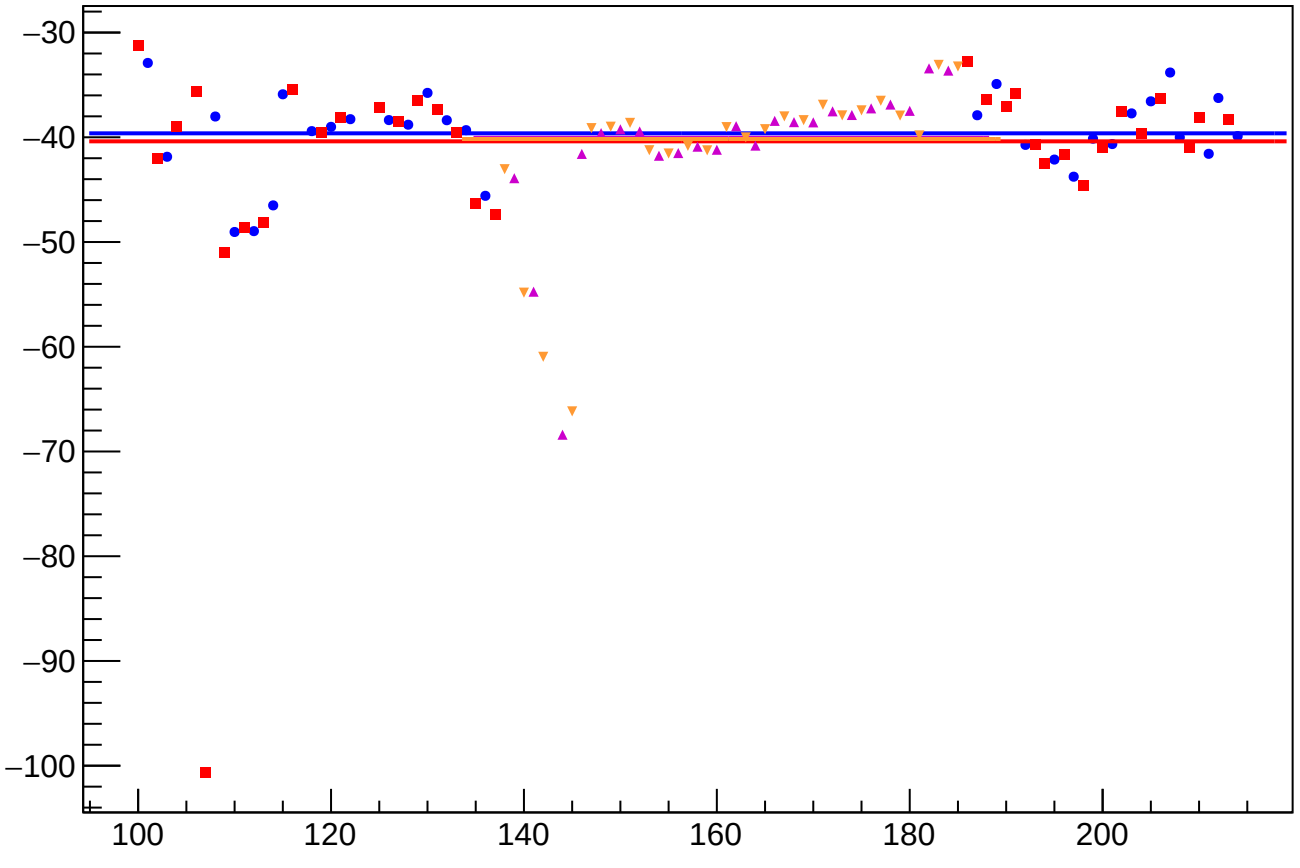
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 8.623+/-0.286 χ^2/NDF: 966.9/62

In: 14.016+/-0.261 χ^2/NDF:1091.2/52

Out: 13.535+/-0.260 χ^2/NDF:999.1/56

All: 13.774+/-0.184 χ^2/NDF: 2092.0/109



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

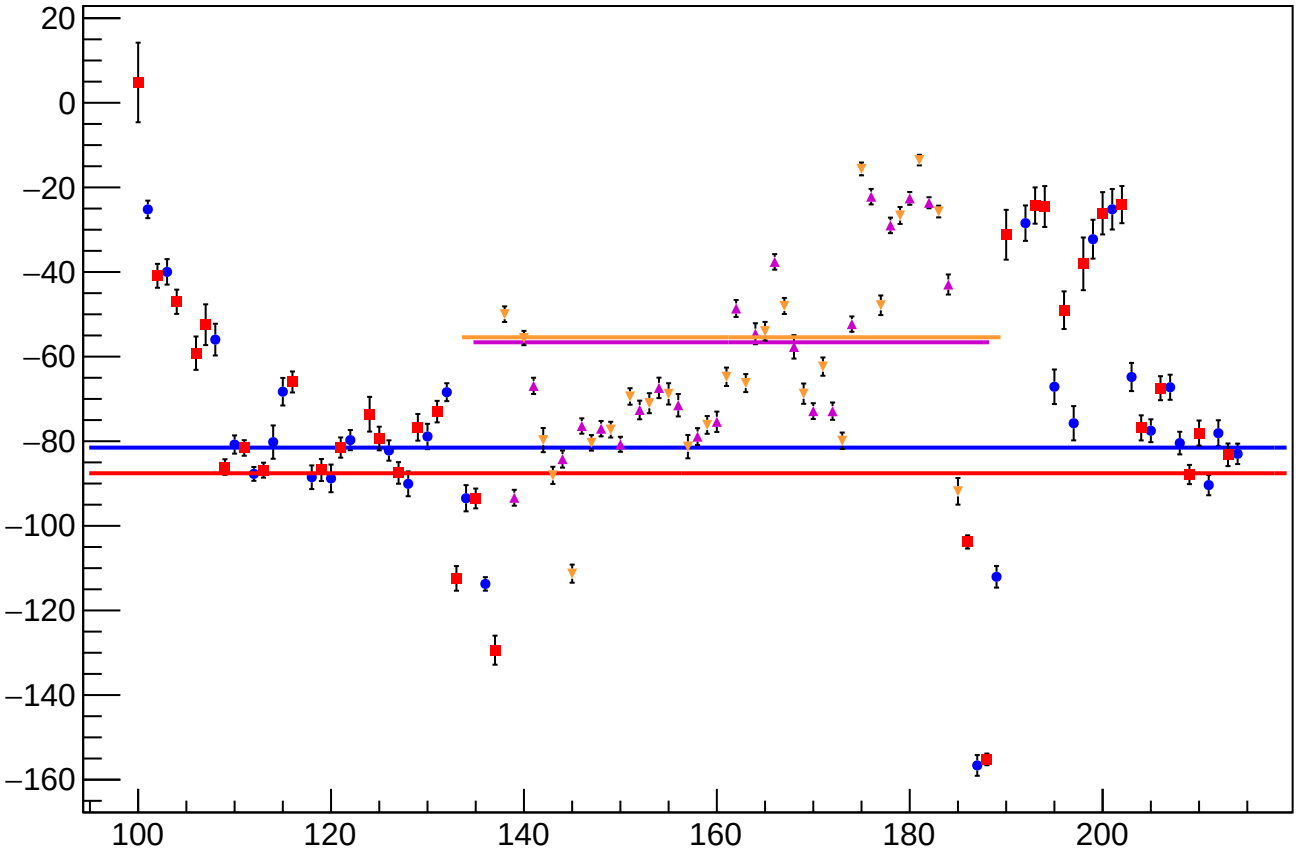
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

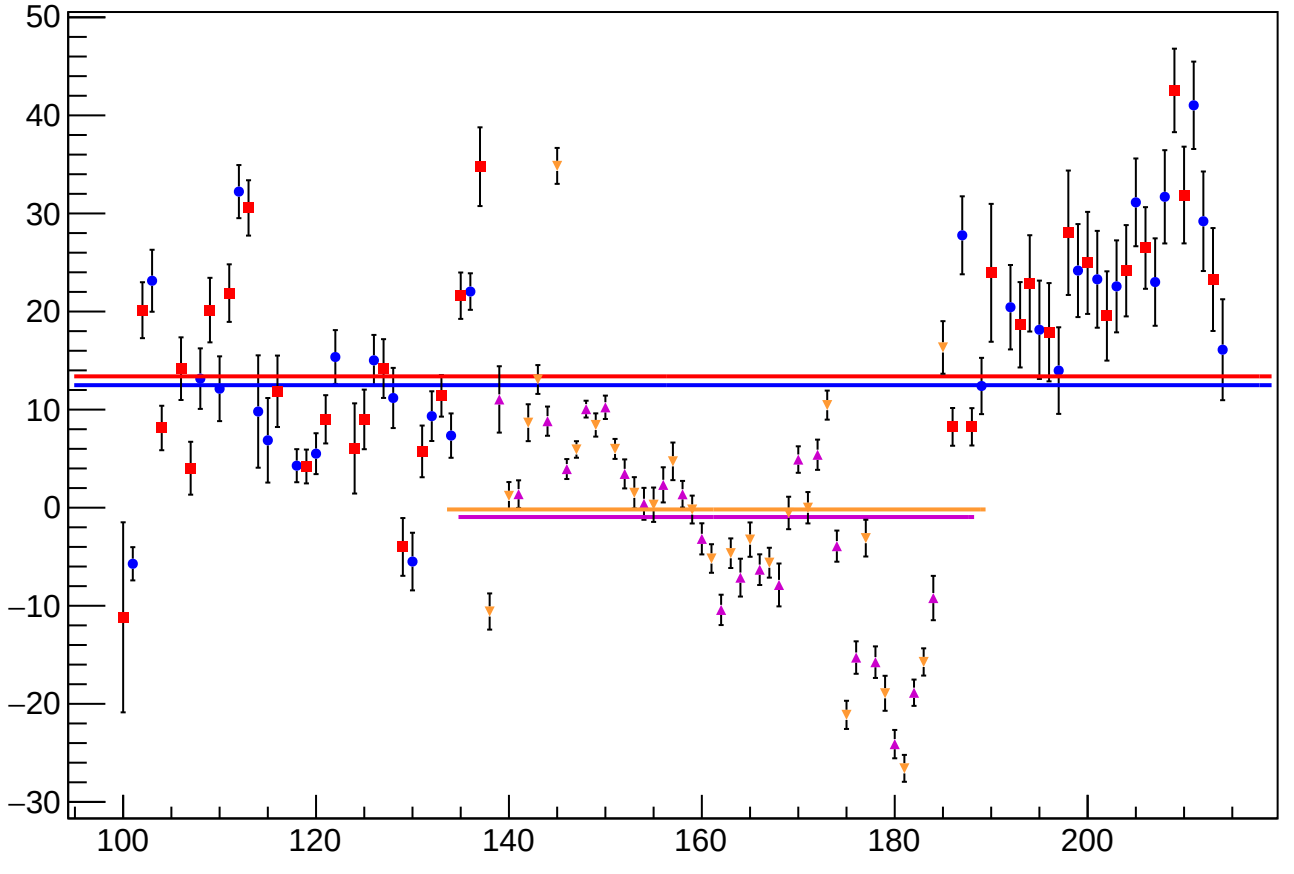
Right: -40.007+/-0.014 χ^2/NDF: 107925.2/62

In: -39.892+/-0.012 χ^2/NDF:170453.1/52

Out: -40.248+/-0.012 χ^2/NDF:236882.9/56

All: -40.070+/-0.009 χ^2/NDF: 407758.6/109


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
120
140
160
180
200
Right In: -81.509+/-0.488 χ²/NDF: 3062.2/29
Left Out: -55.424+/-0.393 χ²/NDF:4525.3/24
Right Out: -87.570+/-0.464 χ²/NDF: 4615.6/32
Left In: -56.609+/-0.404 χ²/NDF:3350.3/22
Left: -56.001+/-0.282 χ²/NDF: 7880.0/47
Right: -84.696+/-0.336 χ²/NDF: 7758.9/62
In: -66.724+/-0.311 χ²/NDF:7957.5/52
Out: -68.879+/-0.300 χ²/NDF:11937.3/57
All: -67.841+/-0.216 χ²/NDF: 19919.7/110



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

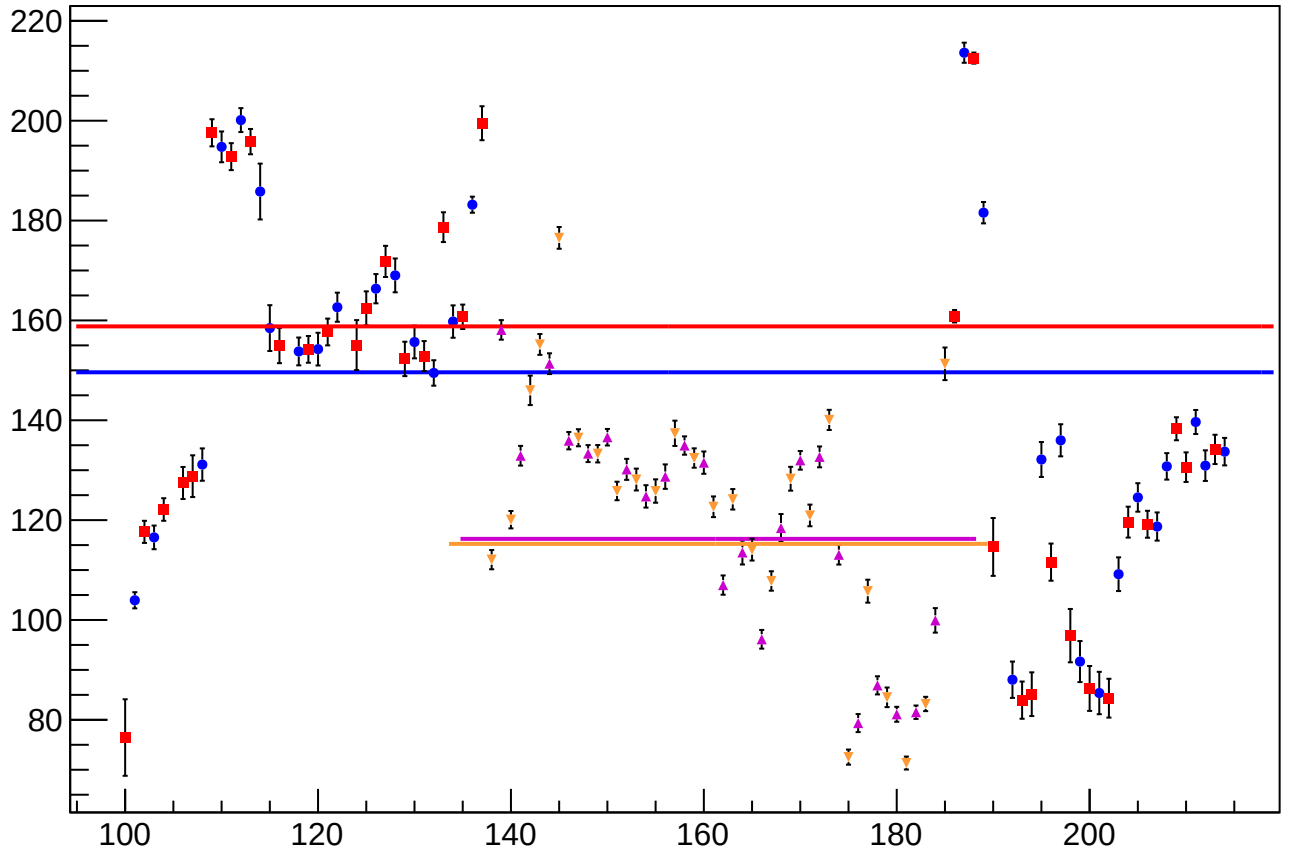
Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

Right: 12.954+/-0.382 χ^2/NDF: 732.5/62

In: 2.208+/-0.266 χ^2/NDF:1945.2/52

Out: 2.983+/-0.258 χ^2/NDF:2409.5/57

All: 2.608+/-0.185 χ^2/NDF: 4359.1/110



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

Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

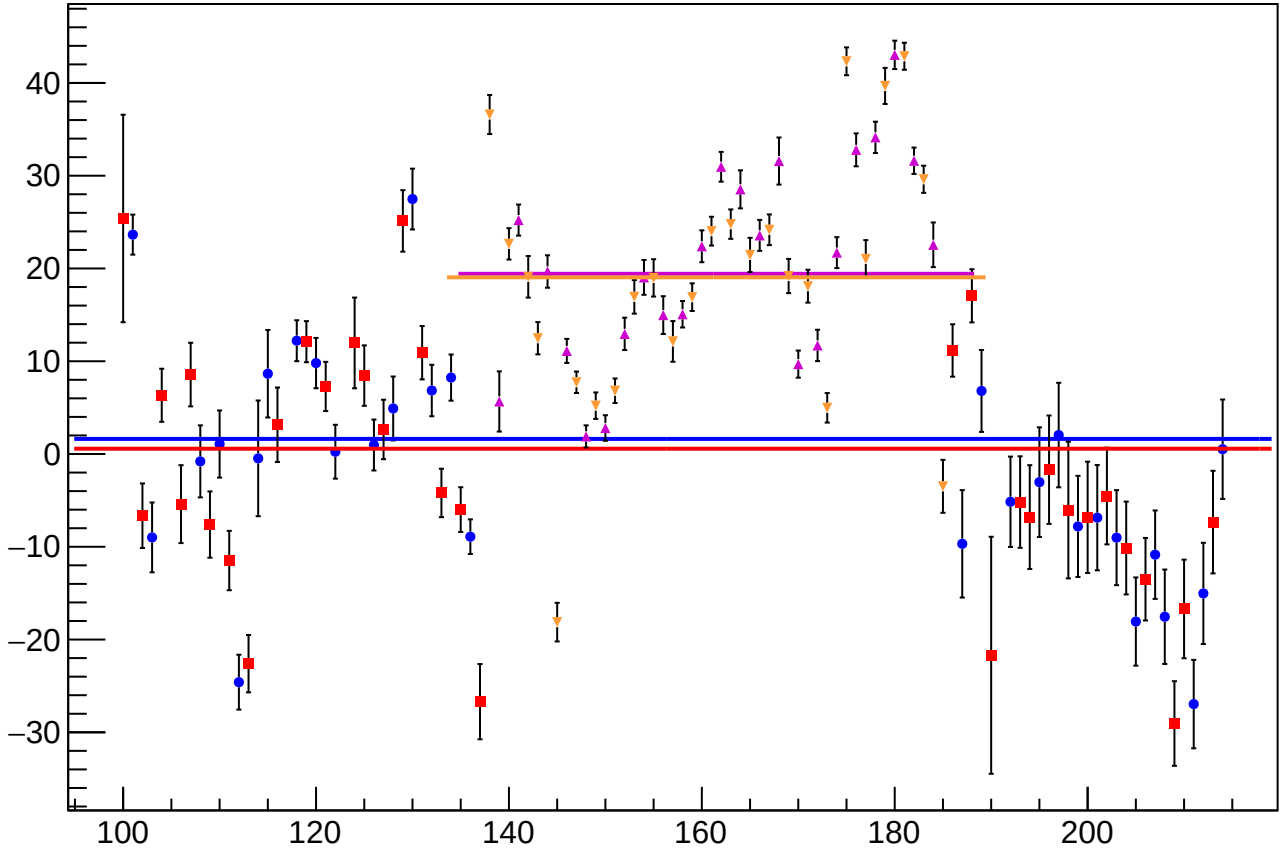
Right: 154.543+/-0.340 χ^2/NDF: 11207.0/62

In: 129.245+/-0.312 χ^2/NDF:11090.0/52

Out: 133.280+/-0.299 χ^2/NDF:16287.8/57

All: 131.349+/-0.216 χ^2/NDF: 27465.1/110

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



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

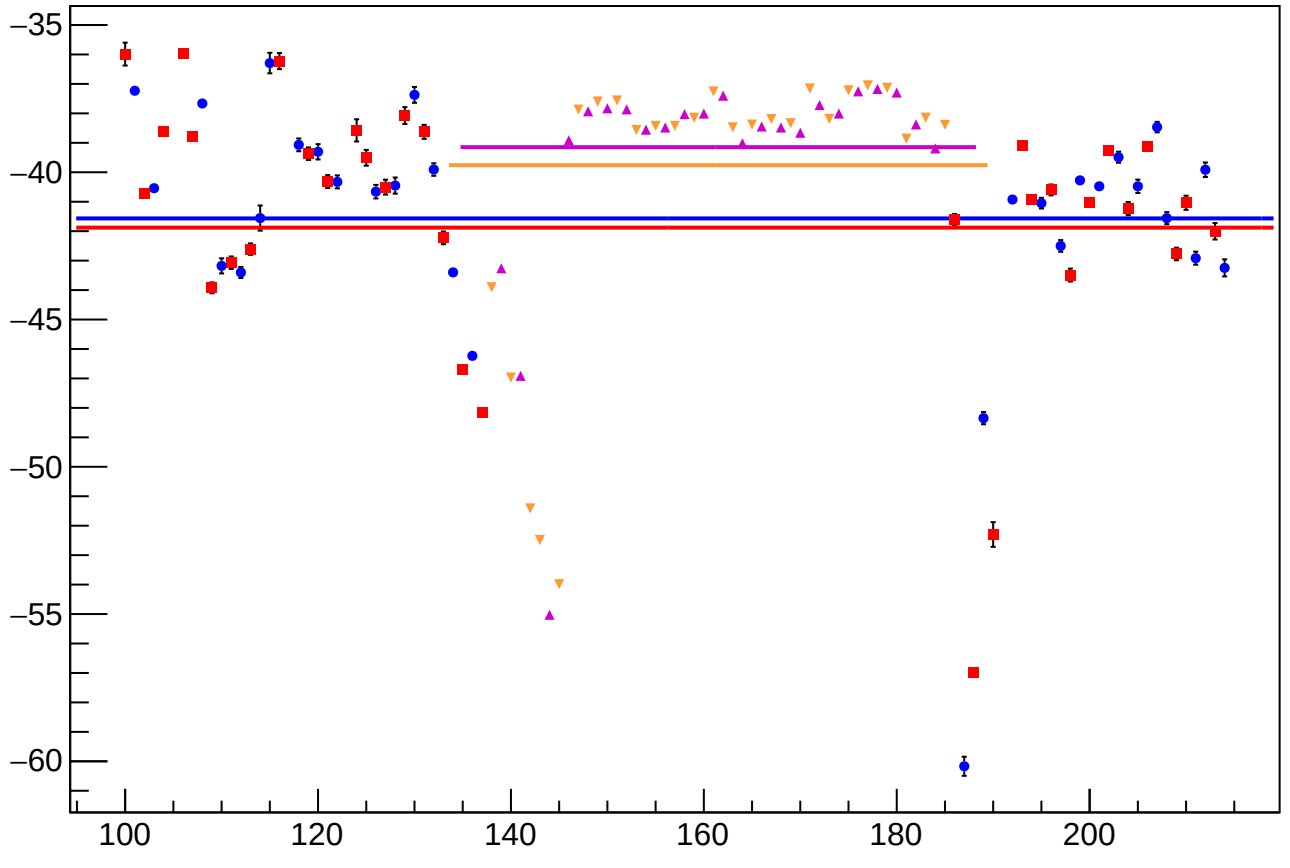
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 1.098+/-0.447 χ^2/NDF: 825.5/62

In: 15.347+/-0.304 χ^2/NDF:2116.6/52

Out: 14.960+/-0.297 χ^2/NDF:2605.8/57

All: 15.149+/-0.212 χ^2/NDF: 4723.3/110



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

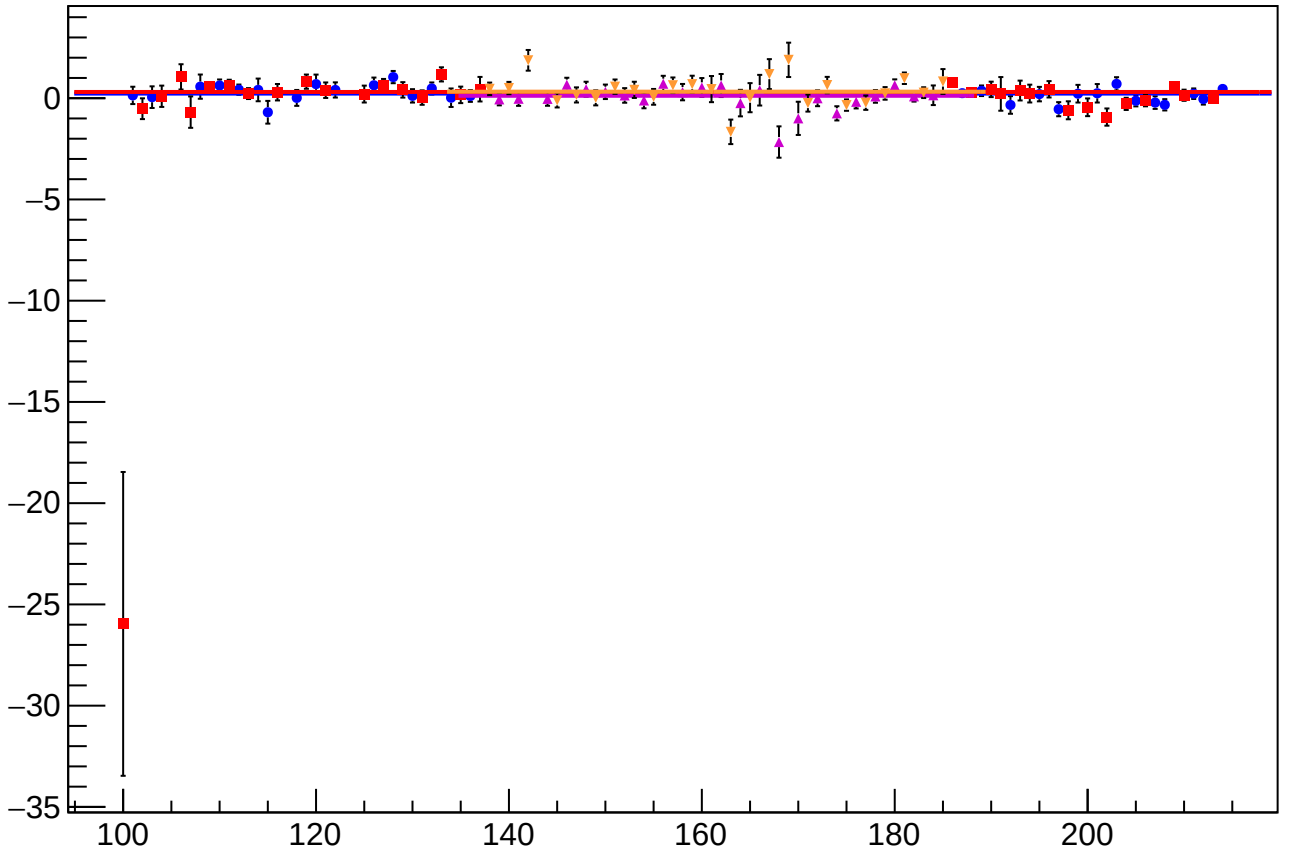
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.721+/-0.022 χ^2/NDF: 32818.8/62

In: -39.640+/-0.014 χ^2/NDF:64804.0/52

Out: -40.176+/-0.014 χ^2/NDF:105348.9/57

All: -39.910+/-0.010 χ^2/NDF: 170898.9/110



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

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

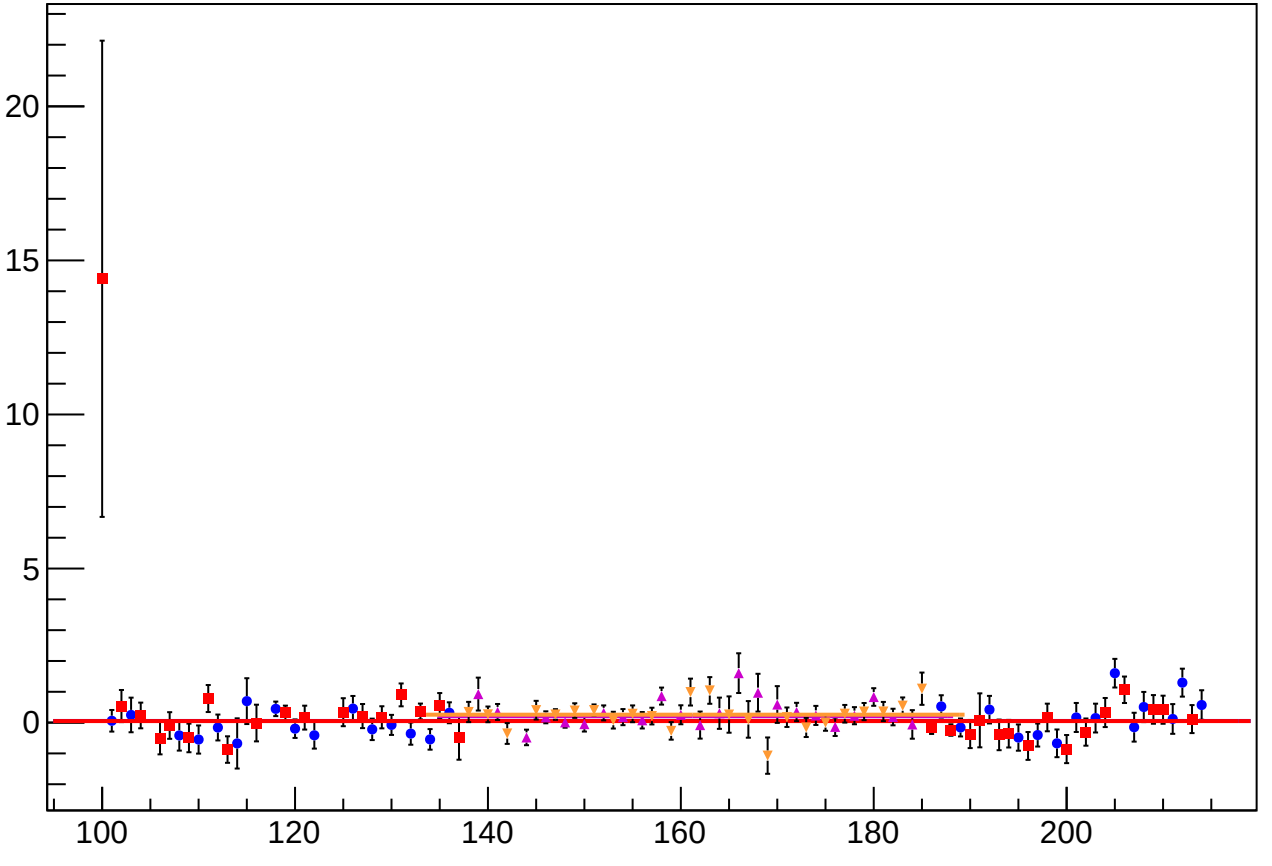
Right: 0.272+/-0.041 χ^2/NDF: 99.9/62

In: 0.189+/-0.048 χ^2/NDF:66.5/52

Out: 0.313+/-0.045 χ^2/NDF:110.5/56

All: 0.254+/-0.033 χ^2/NDF: 180.5/109

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



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

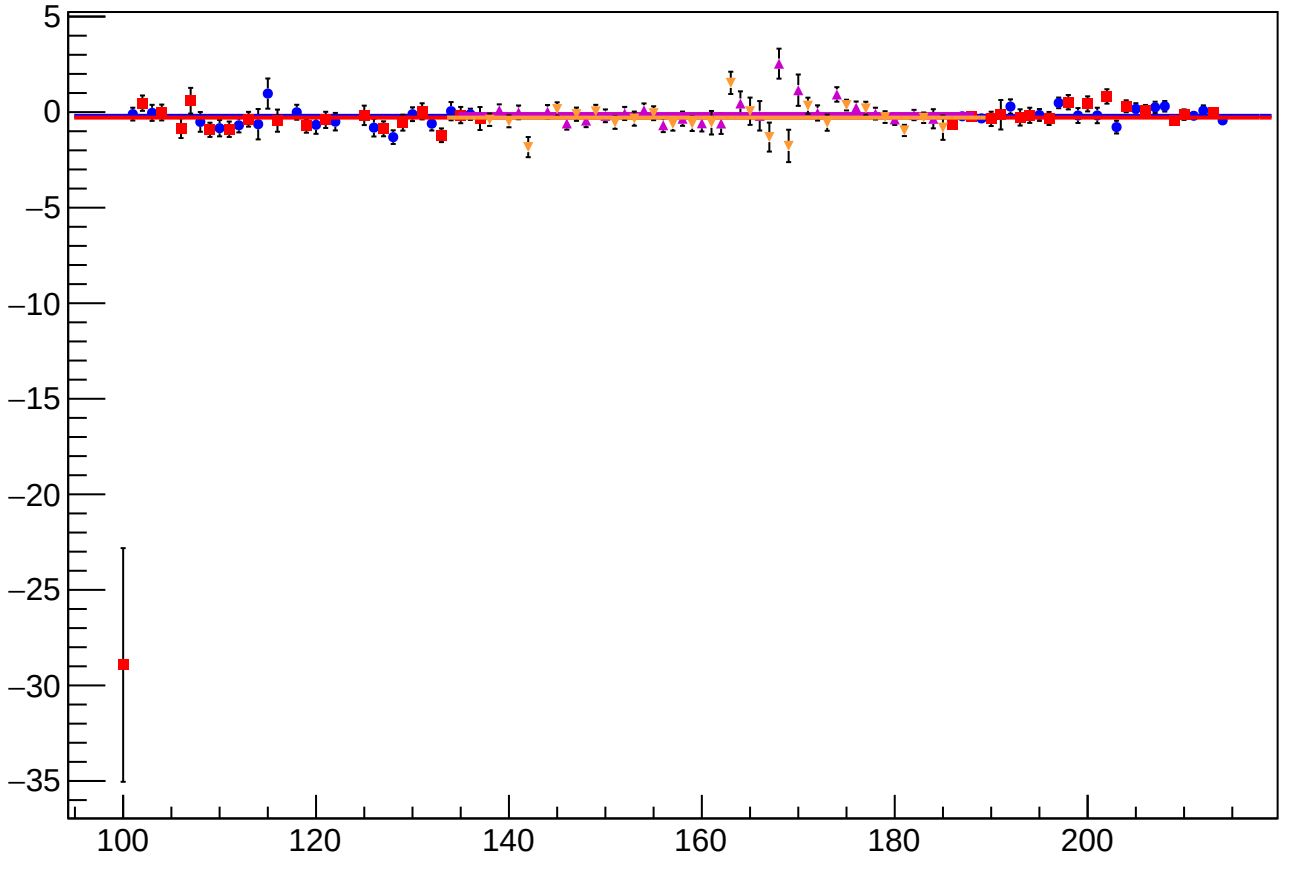
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: 0.051+/-0.049 χ^2/NDF: 92.1/62

In: 0.144+/-0.046 χ^2/NDF:80.2/52

Out: 0.166+/-0.044 χ^2/NDF:78.3/56

All: 0.155+/-0.032 χ^2/NDF: 158.6/109



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

Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

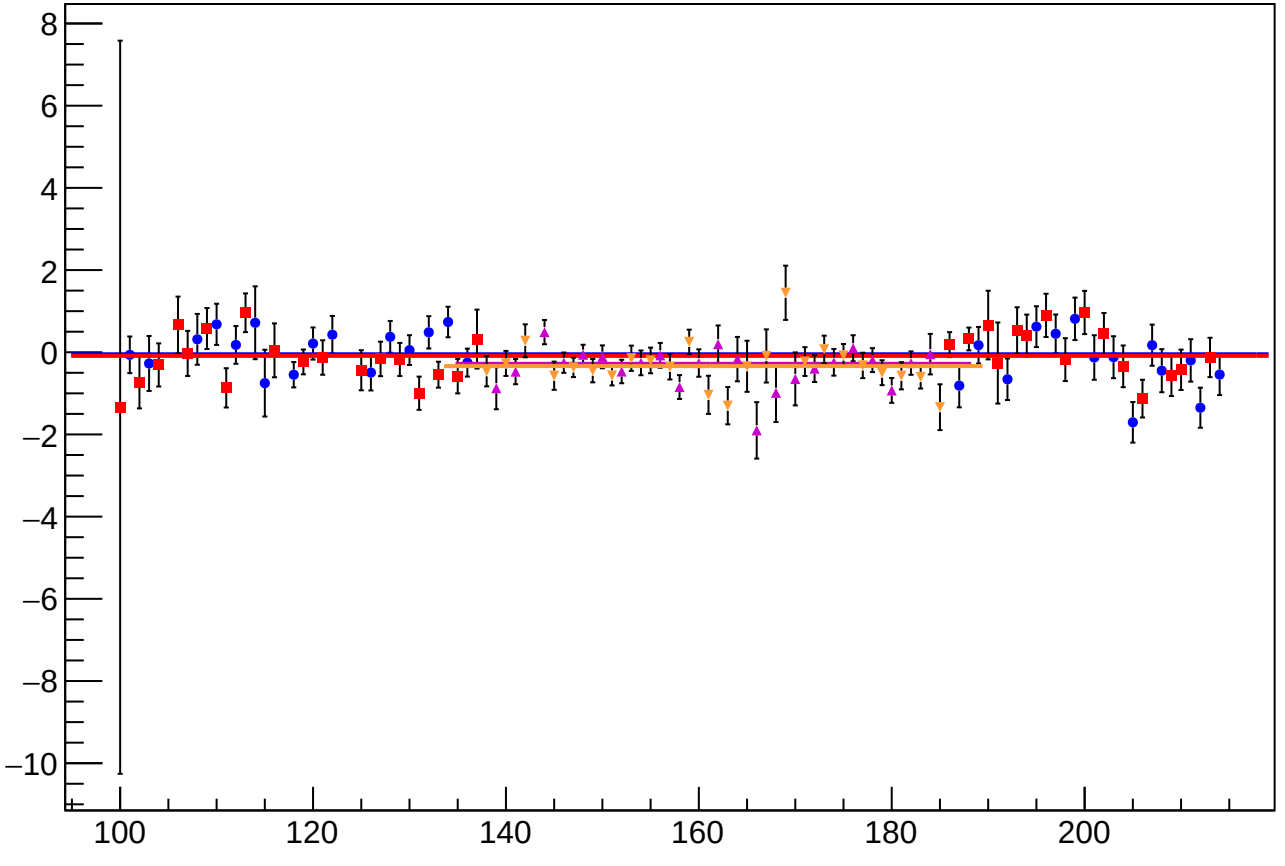
Right: -0.246+/-0.040 χ^2/NDF: 120.1/62

In: -0.159+/-0.048 χ^2/NDF:76.1/52

Out: -0.287+/-0.044 χ^2/NDF:121.9/56

All: -0.228+/-0.032 χ^2/NDF: 201.8/109

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



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

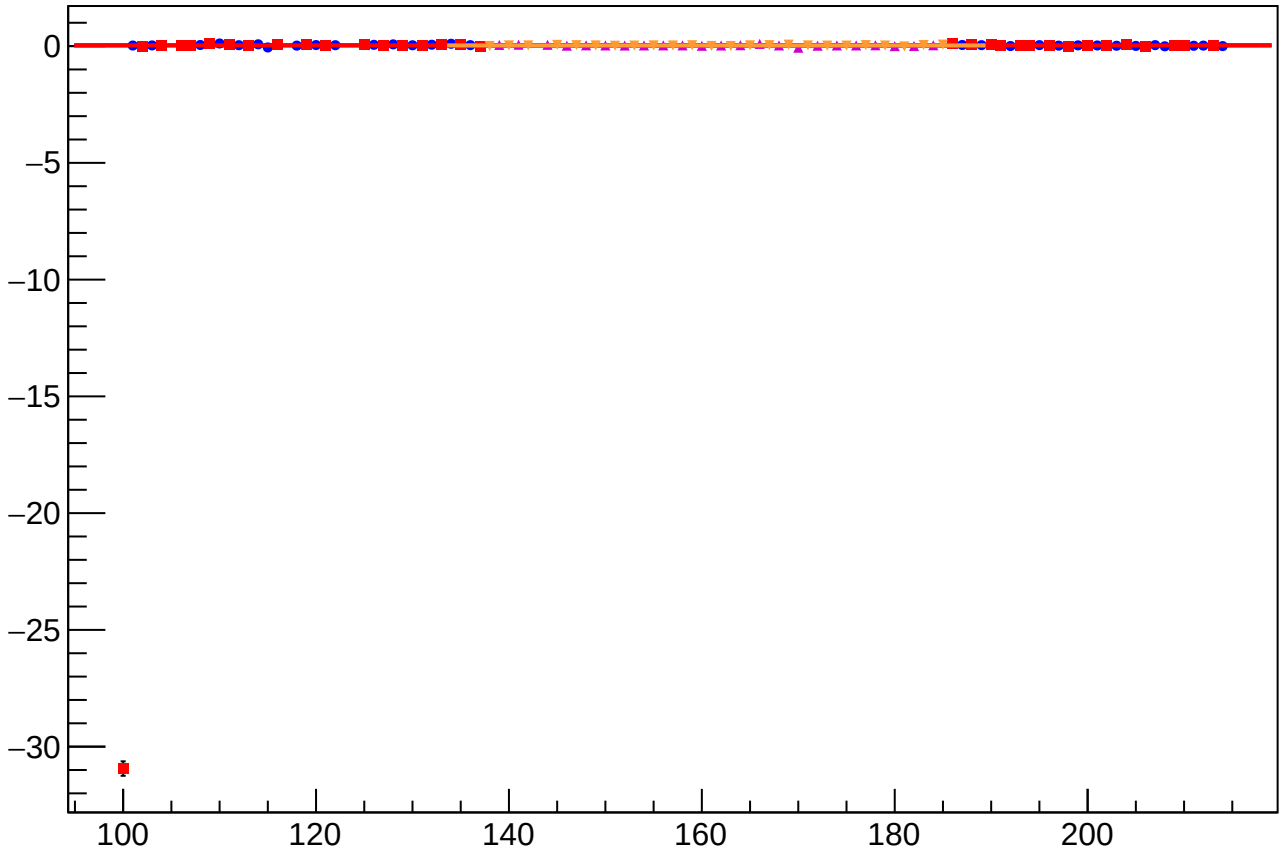
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.069+/-0.058 χ^2/NDF: 90.4/62

In: -0.188+/-0.053 χ^2/NDF:80.8/52

Out: -0.234+/-0.052 χ^2/NDF:78.7/56

All: -0.212+/-0.037 χ^2/NDF: 159.9/109



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

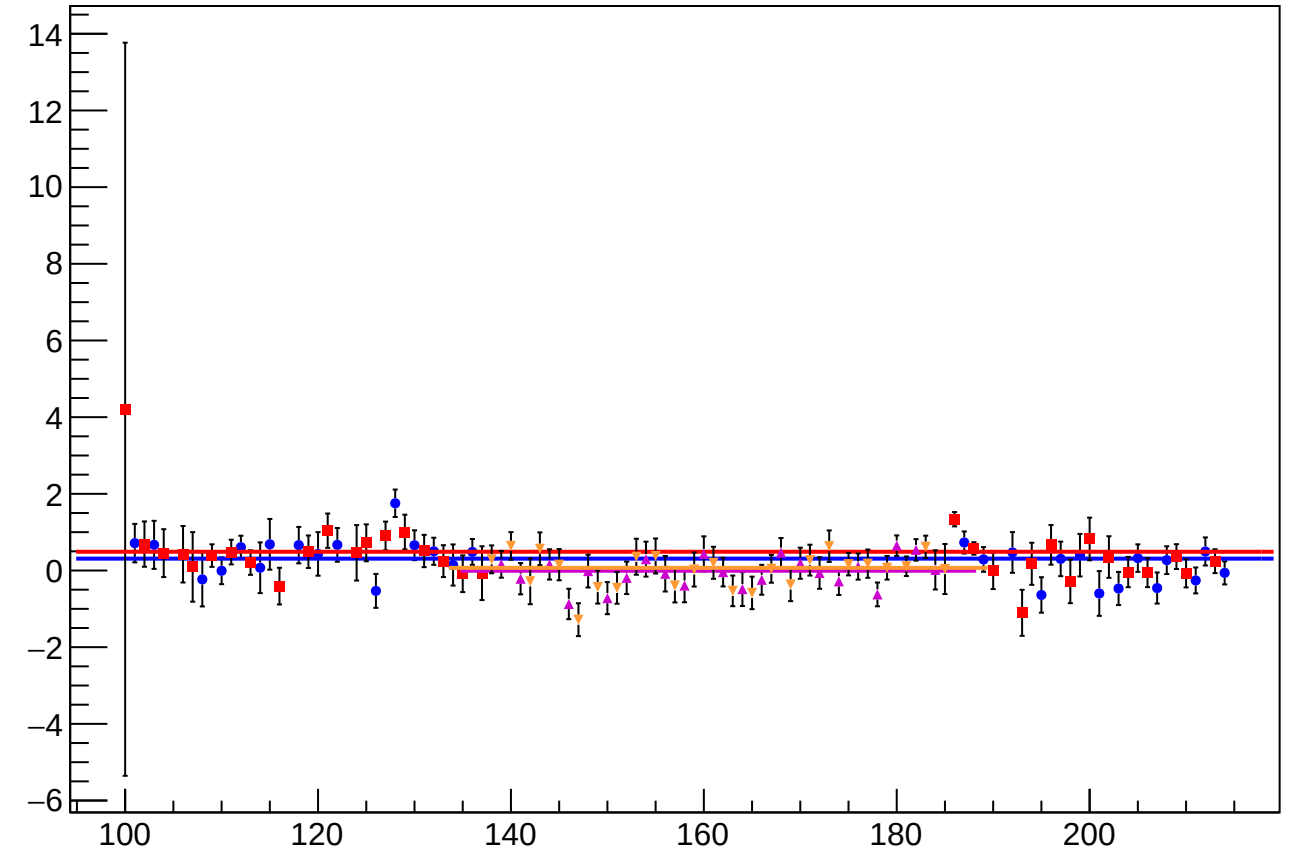
Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

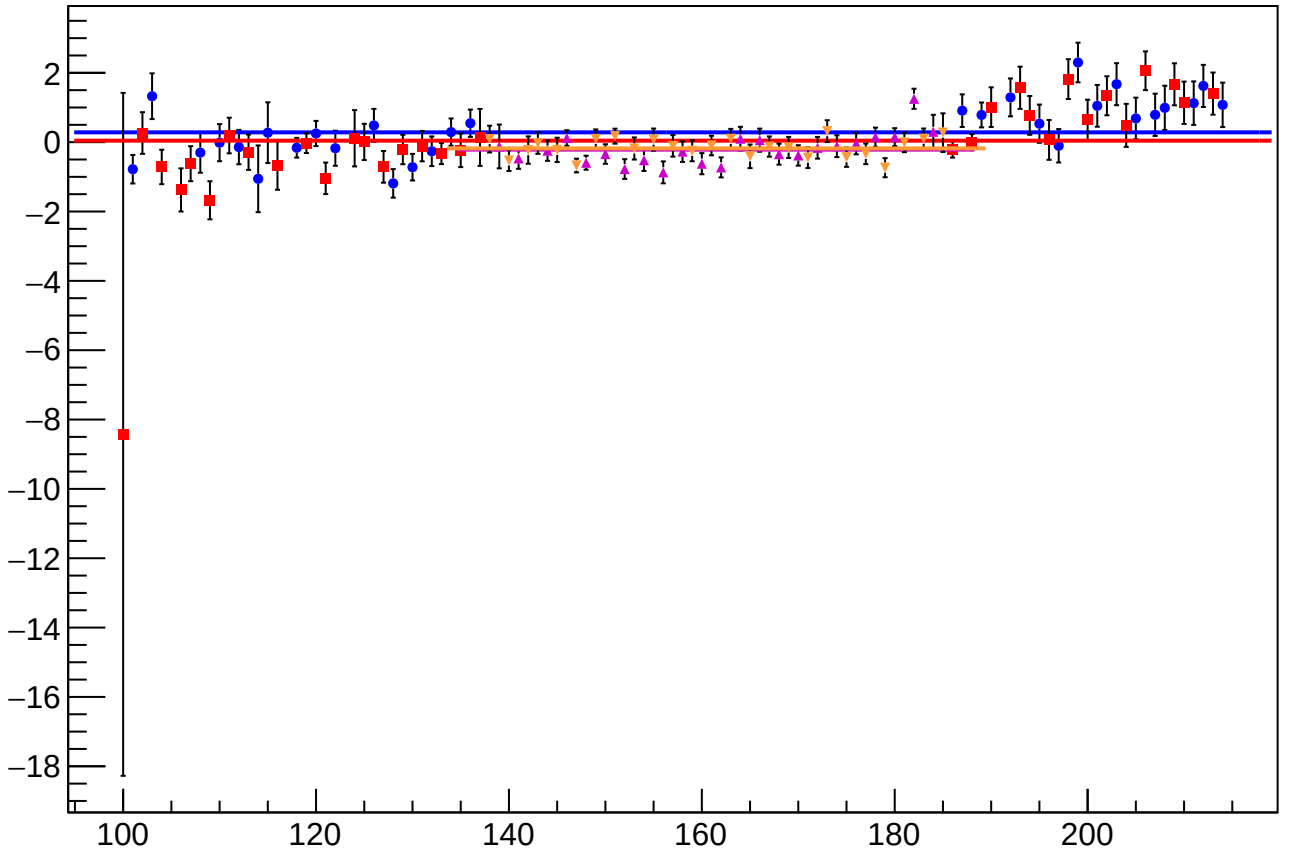
Right: 0.032+/-0.003 χ^2/NDF: 10094.8/62

In: 0.031+/-0.002 χ^2/NDF:78.3/52

Out: 0.029+/-0.002 χ^2/NDF:10083.6/56

All: 0.030+/-0.002 χ^2/NDF: 10162.2/109


reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected
14
12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.310+/-0.075 χ²/NDF: 46.8/29
Left Out: 0.069+/-0.077 χ²/NDF:31.1/24
Right Out: 0.489+/-0.067 χ²/NDF: 50.3/32
Left In: -0.006+/-0.079 χ²/NDF:28.5/22
Left: 0.032+/-0.055 χ²/NDF: 60.1/47
Right: 0.409+/-0.050 χ²/NDF: 100.2/62
In: 0.162+/-0.054 χ²/NDF:83.7/52
Out: 0.308+/-0.051 χ²/NDF:98.3/57
All: 0.240+/-0.037 χ²/NDF: 185.9/110



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

Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

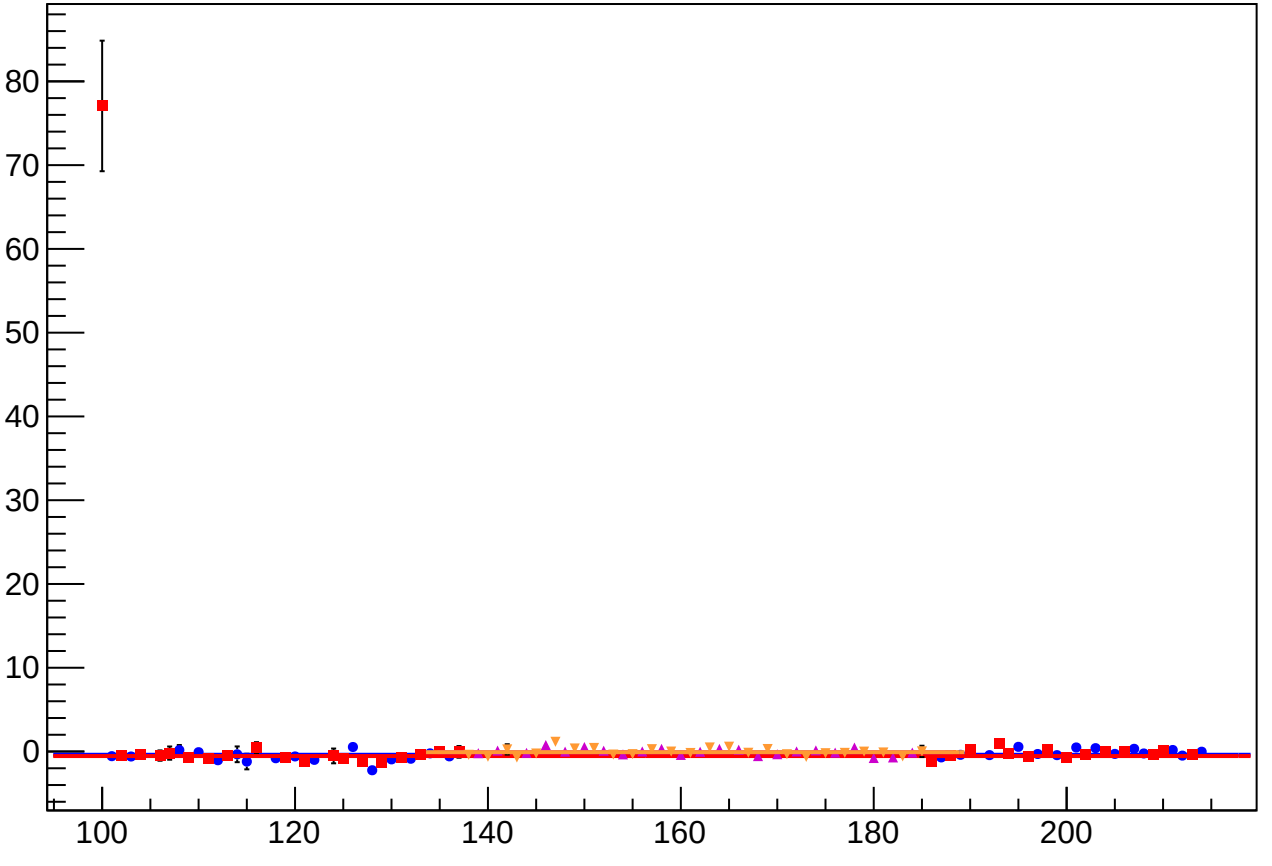
Right: 0.152+/-0.060 χ^2/NDF: 169.4/62

In: -0.053+/-0.051 χ^2/NDF:151.2/52

Out: -0.102+/-0.048 χ^2/NDF:119.0/57

All: -0.079+/-0.035 χ^2/NDF: 270.6/110

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

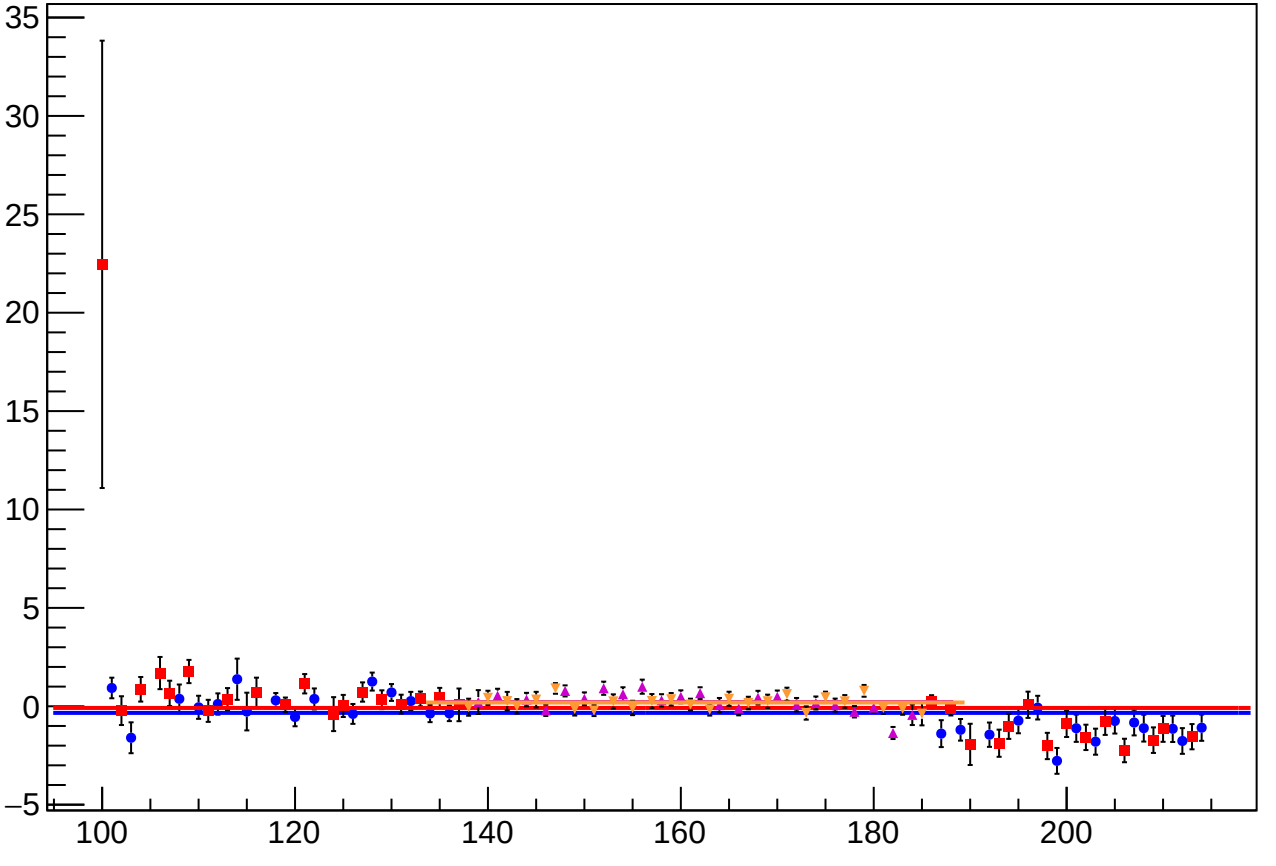
Right: -0.477+/-0.049 χ^2/NDF: 205.1/62

In: -0.239+/-0.054 χ^2/NDF:89.8/52

Out: -0.349+/-0.049 χ^2/NDF:201.0/57

All: -0.299+/-0.037 χ^2/NDF: 293.0/110

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



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

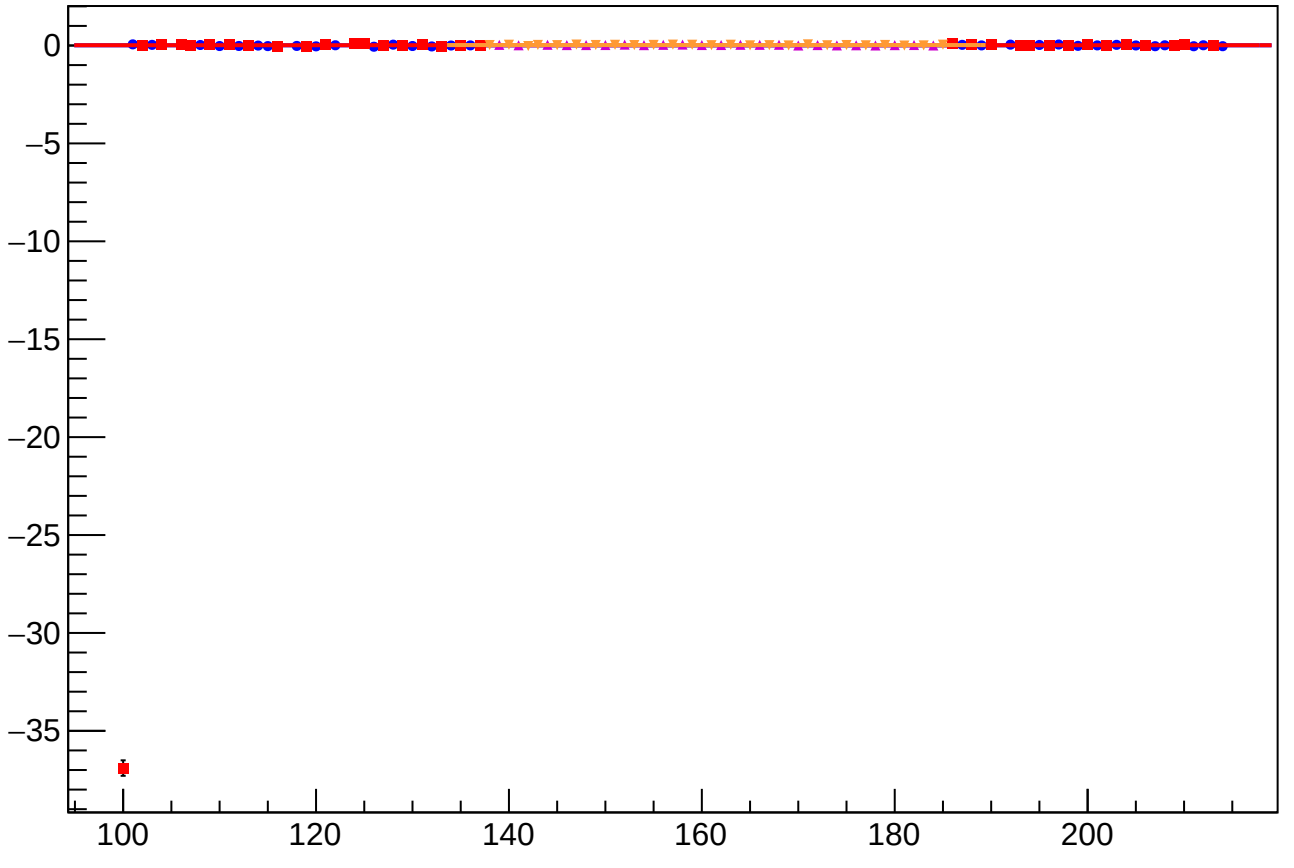
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.203+/-0.071 χ^2/NDF: 172.4/62

In: 0.043+/-0.057 χ^2/NDF:150.7/52

Out: 0.105+/-0.055 χ^2/NDF:124.7/57

All: 0.075+/-0.040 χ^2/NDF: 276.0/110



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

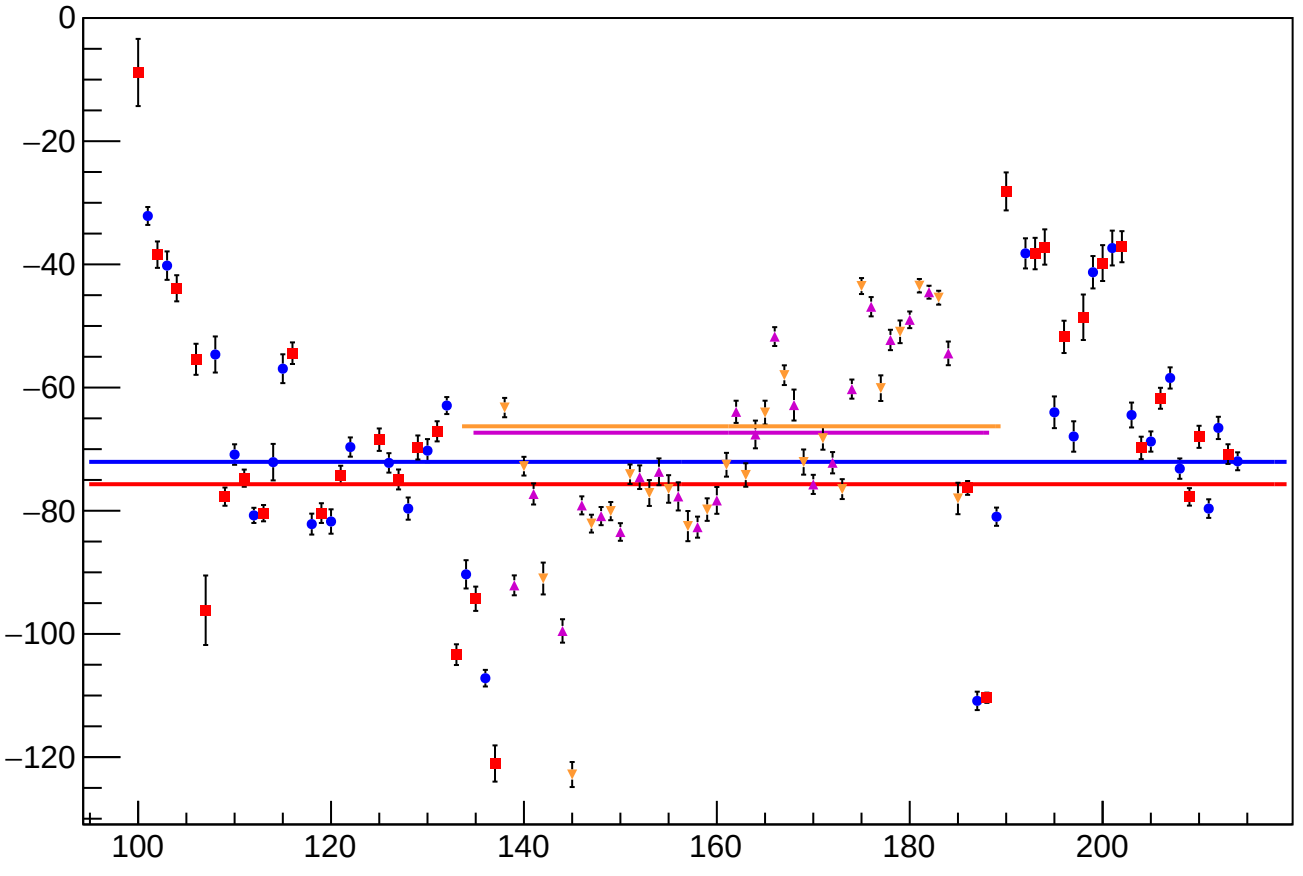
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.012+/-0.003 χ^2/NDF: 8820.1/62

In: 0.020+/-0.003 χ^2/NDF:61.3/52

Out: 0.021+/-0.003 χ^2/NDF:8816.1/57

All: 0.021+/-0.002 χ^2/NDF: 8877.6/110



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

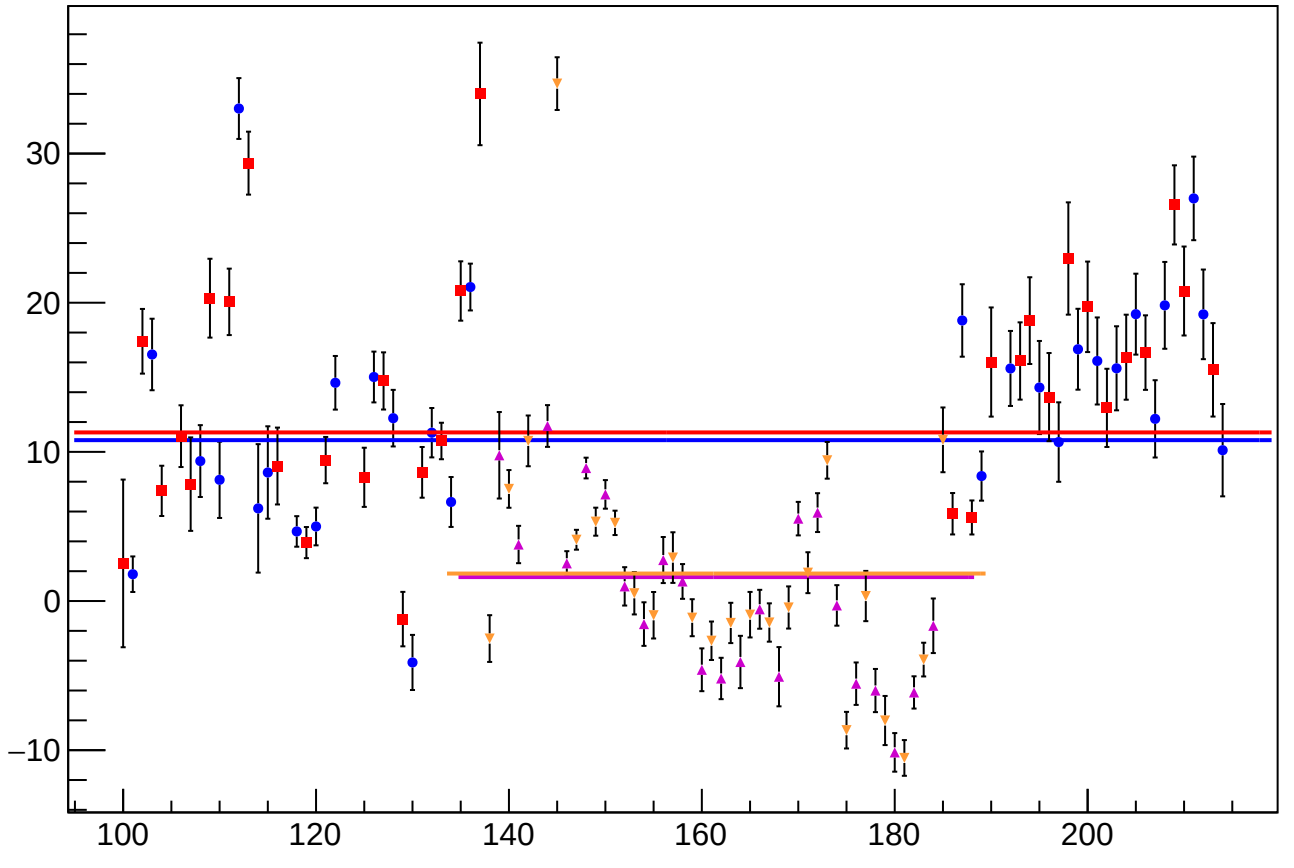
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -73.952+/-0.224 χ^2/NDF: 7914.2/61

In: -69.849+/-0.236 χ^2/NDF:5456.3/52

Out: -71.466+/-0.230 χ^2/NDF:7557.4/55

All: -70.677+/-0.165 χ^2/NDF: 13037.7/108



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

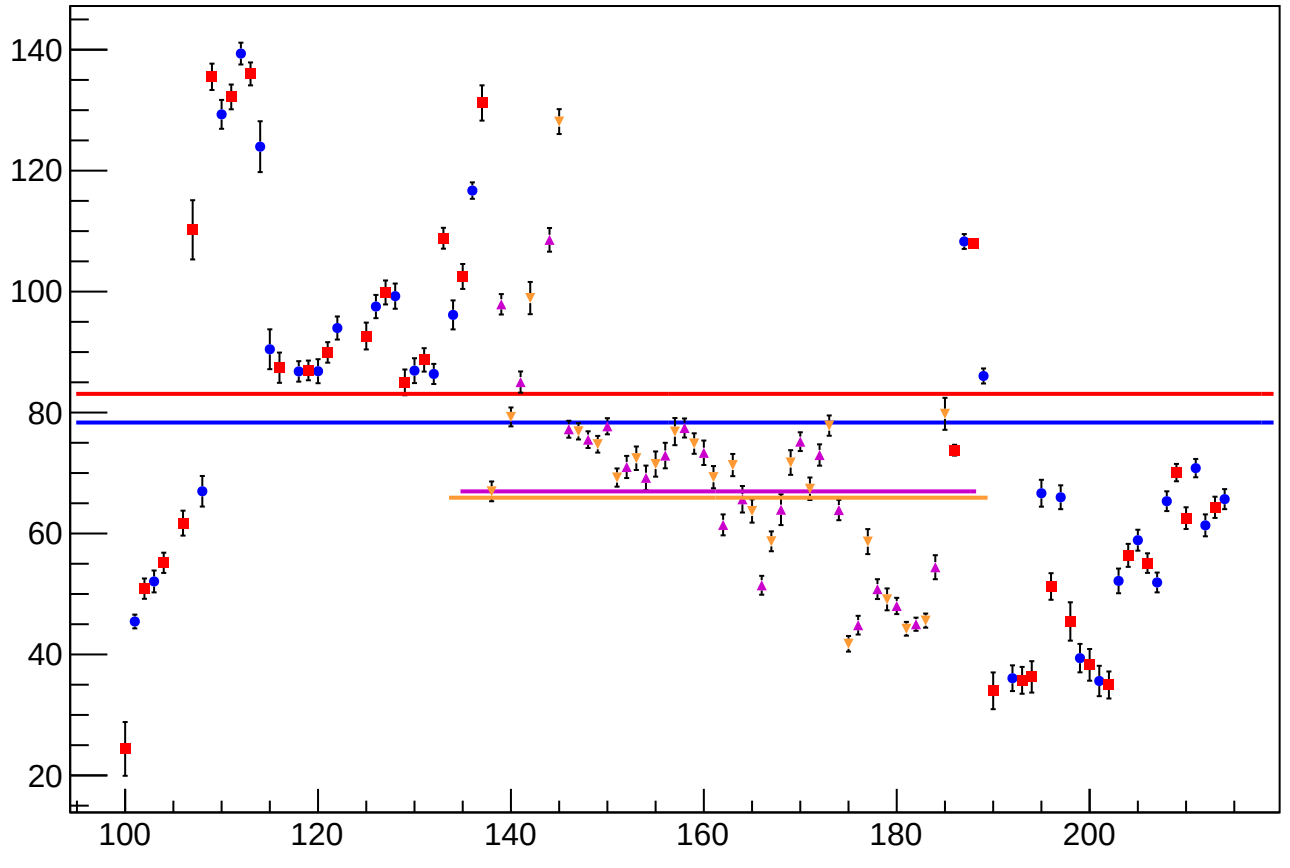
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 11.050+/-0.254 χ^2/NDF: 872.3/61

In: 4.695+/-0.210 χ^2/NDF:1378.4/52

Out: 5.036+/-0.207 χ^2/NDF:1662.5/55

All: 4.868+/-0.148 χ^2/NDF: 3042.3/108



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

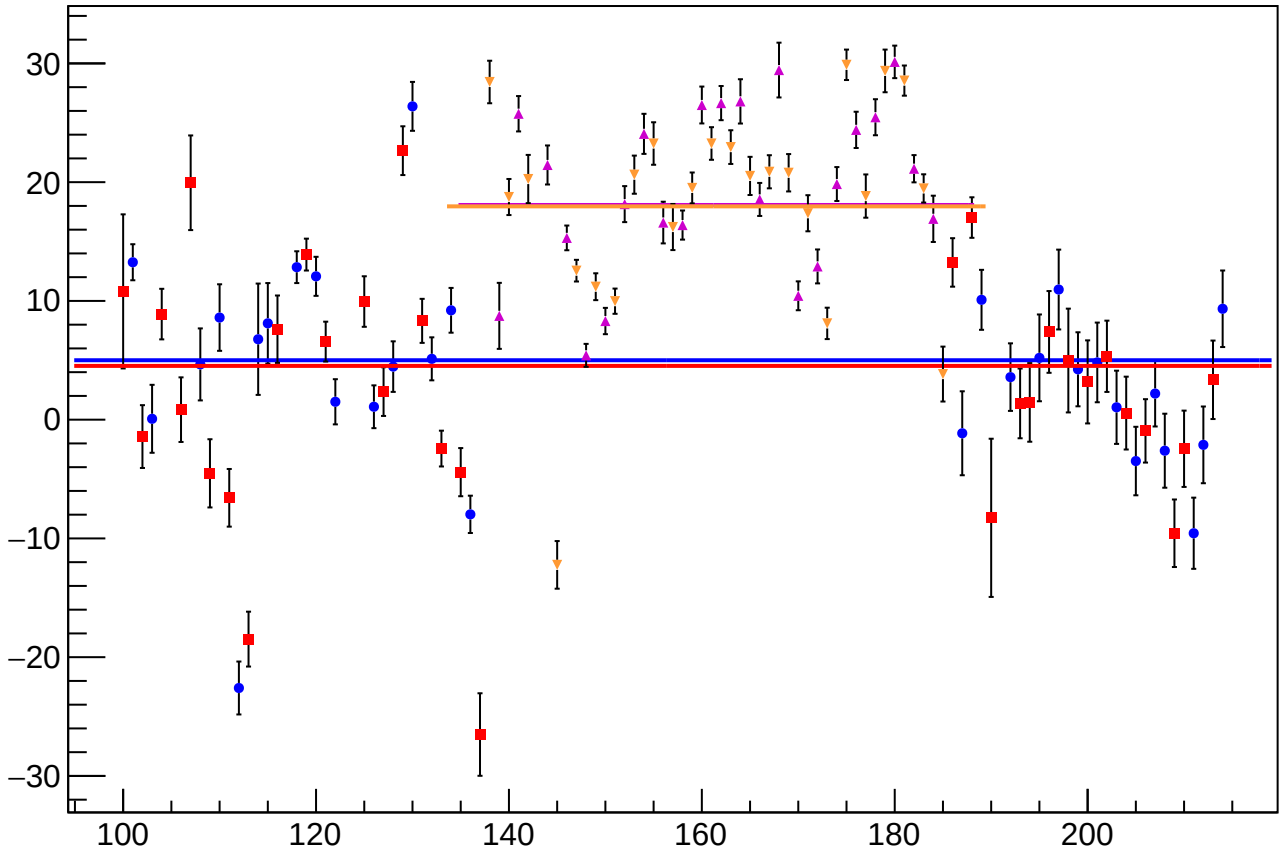
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 80.883+/-0.224 χ^2/NDF: 14624.5/61

In: 72.886+/-0.236 χ^2/NDF:9239.9/52

Out: 75.422+/-0.228 χ^2/NDF:12035.3/55

All: 74.202+/-0.164 χ^2/NDF: 21334.9/108



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

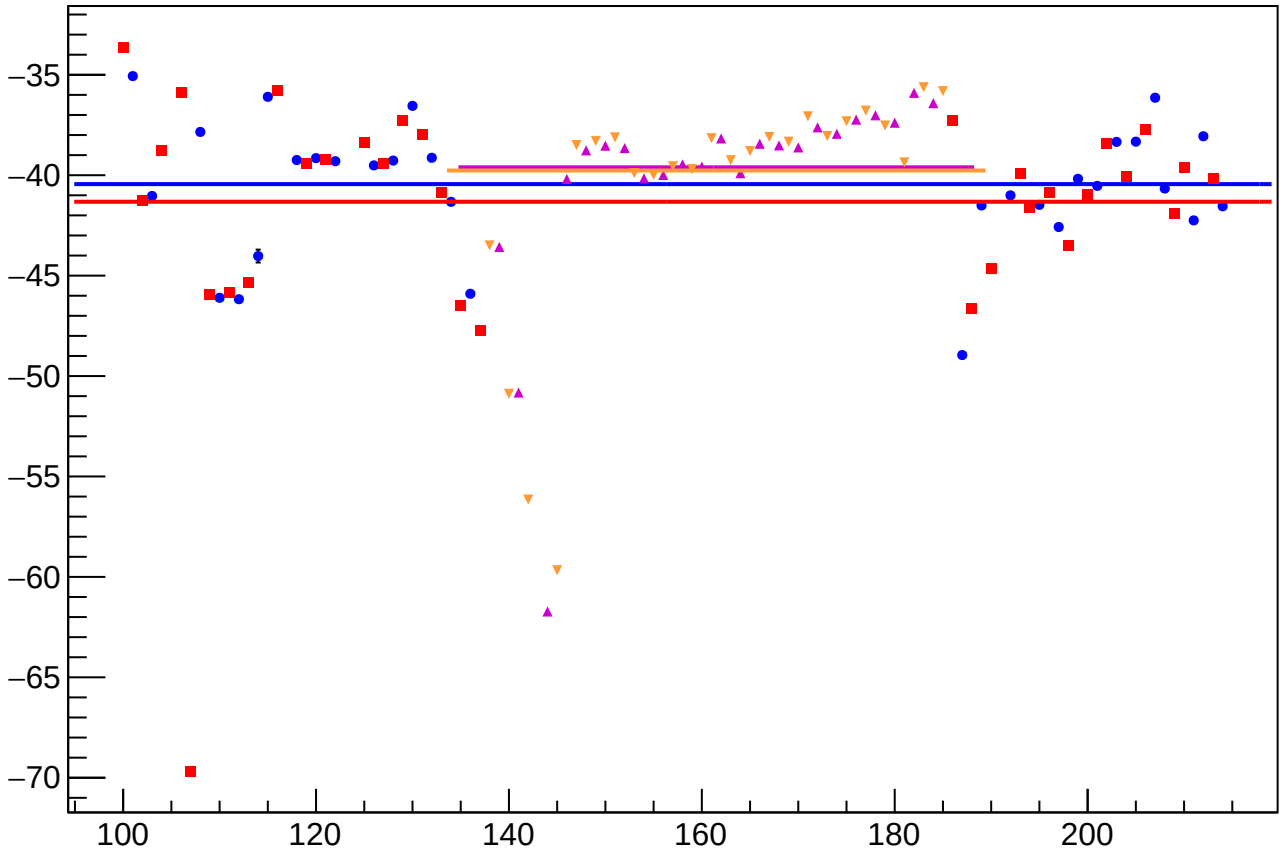
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 4.767+/-0.300 χ^2/NDF: 1021.7/61

In: 13.817+/-0.242 χ^2/NDF:1734.8/52

Out: 13.648+/-0.241 χ^2/NDF:1944.7/55

All: 13.732+/-0.171 χ^2/NDF: 3679.7/108



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

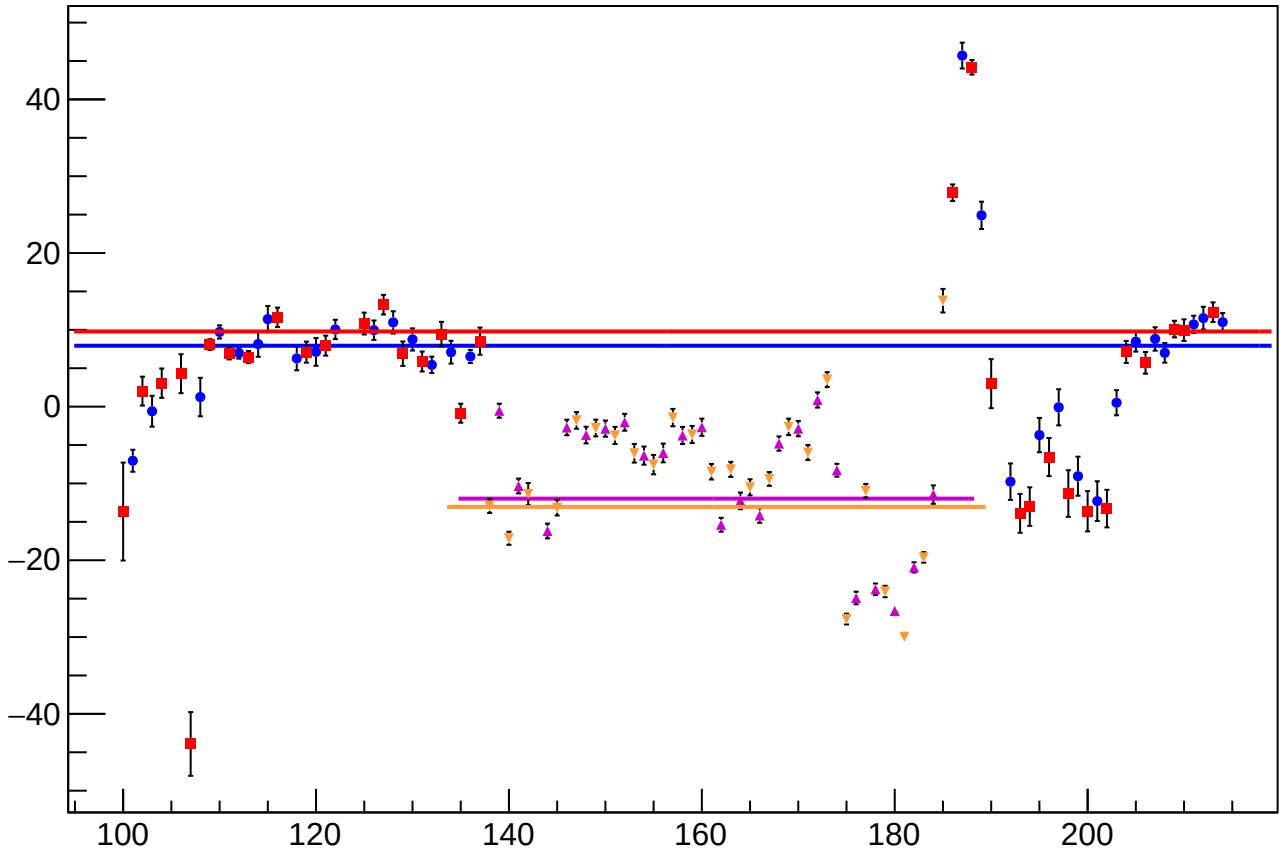
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

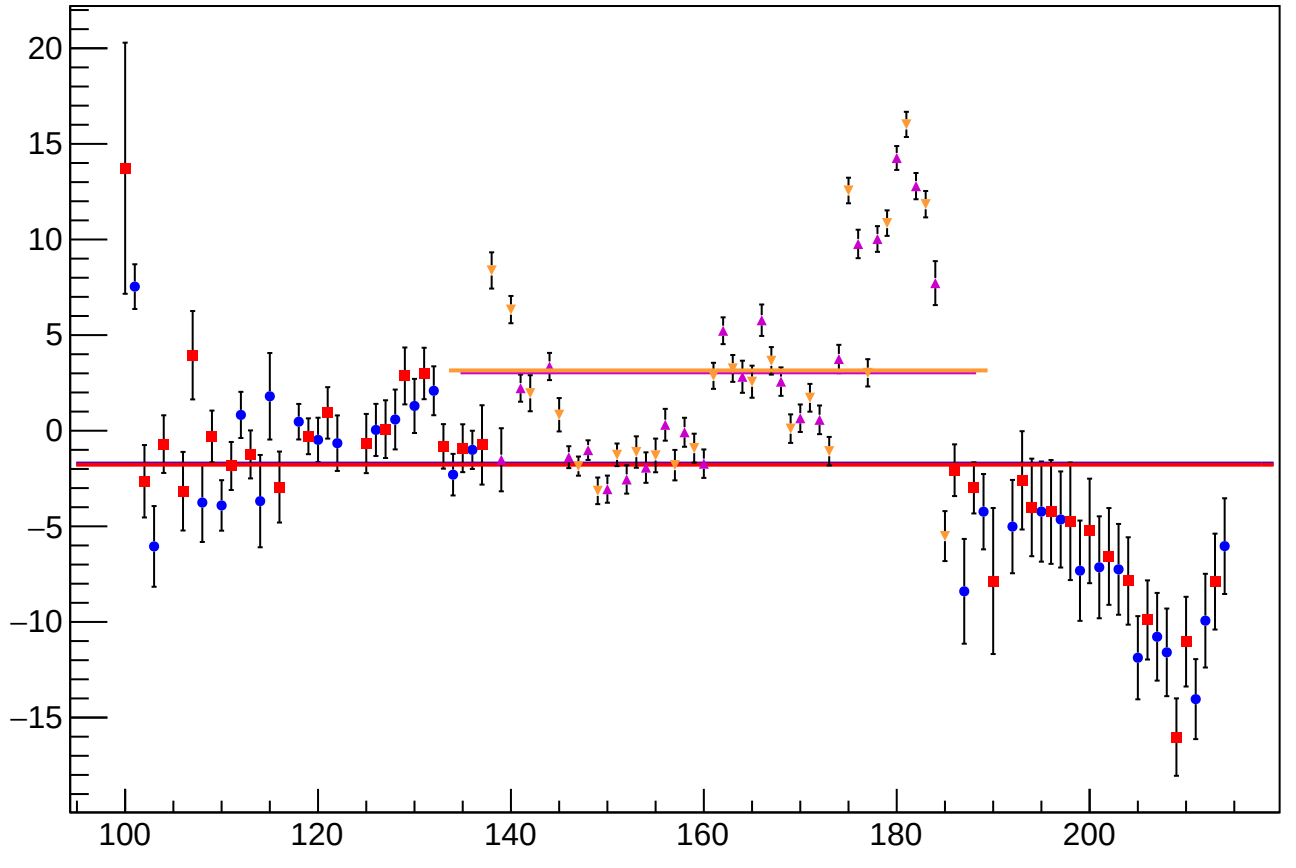
Right: -40.880+/-0.015 χ^2/NDF: 69035.8/61

In: -39.849+/-0.011 χ^2/NDF:131105.4/52

Out: -40.218+/-0.011 χ^2/NDF:178607.7/55

All: -40.032+/-0.008 χ^2/NDF: 310247.1/108


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
100
120
140
160
180
200
Right In: 7.928+/-0.250 χ²/NDF: 1002.0/29
Left Out: -13.054+/-0.193 χ²/NDF:2868.1/23
Right Out: 9.786+/-0.241 χ²/NDF: 2391.3/31
Left In: -11.978+/-0.195 χ²/NDF:2176.6/22
Left: -12.524+/-0.137 χ²/NDF: 5060.1/46
Right: 8.891+/-0.174 χ²/NDF: 3421.9/61
In: -4.436+/-0.154 χ²/NDF:7107.3/52
Out: -4.159+/-0.151 χ²/NDF:10726.9/55
All: -4.294+/-0.108 χ²/NDF: 17835.8/108



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

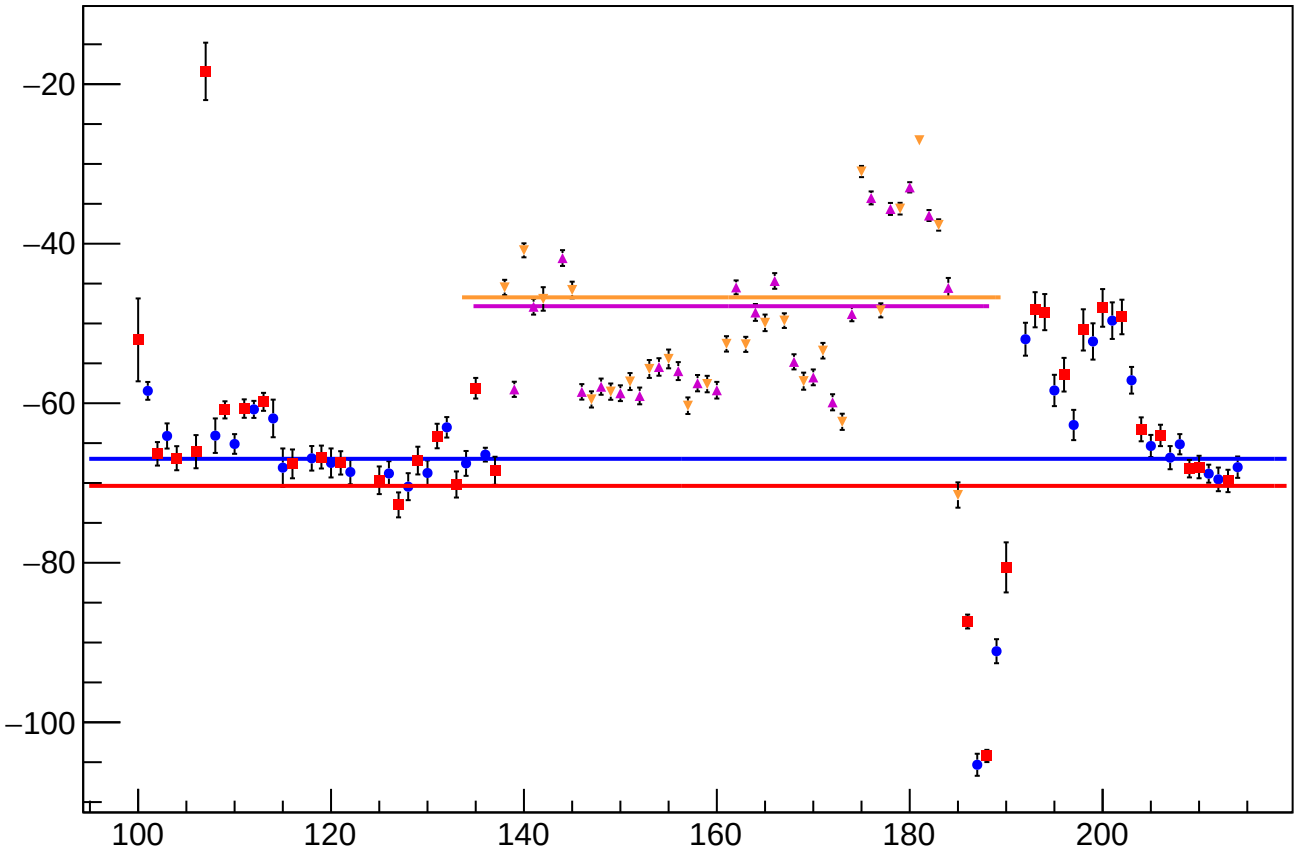
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -1.747+/-0.208 χ^2/NDF: 385.7/61

In: 2.047+/-0.135 χ^2/NDF:1587.3/52

Out: 2.153+/-0.133 χ^2/NDF:1758.4/55

All: 2.101+/-0.095 χ^2/NDF: 3346.0/108



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

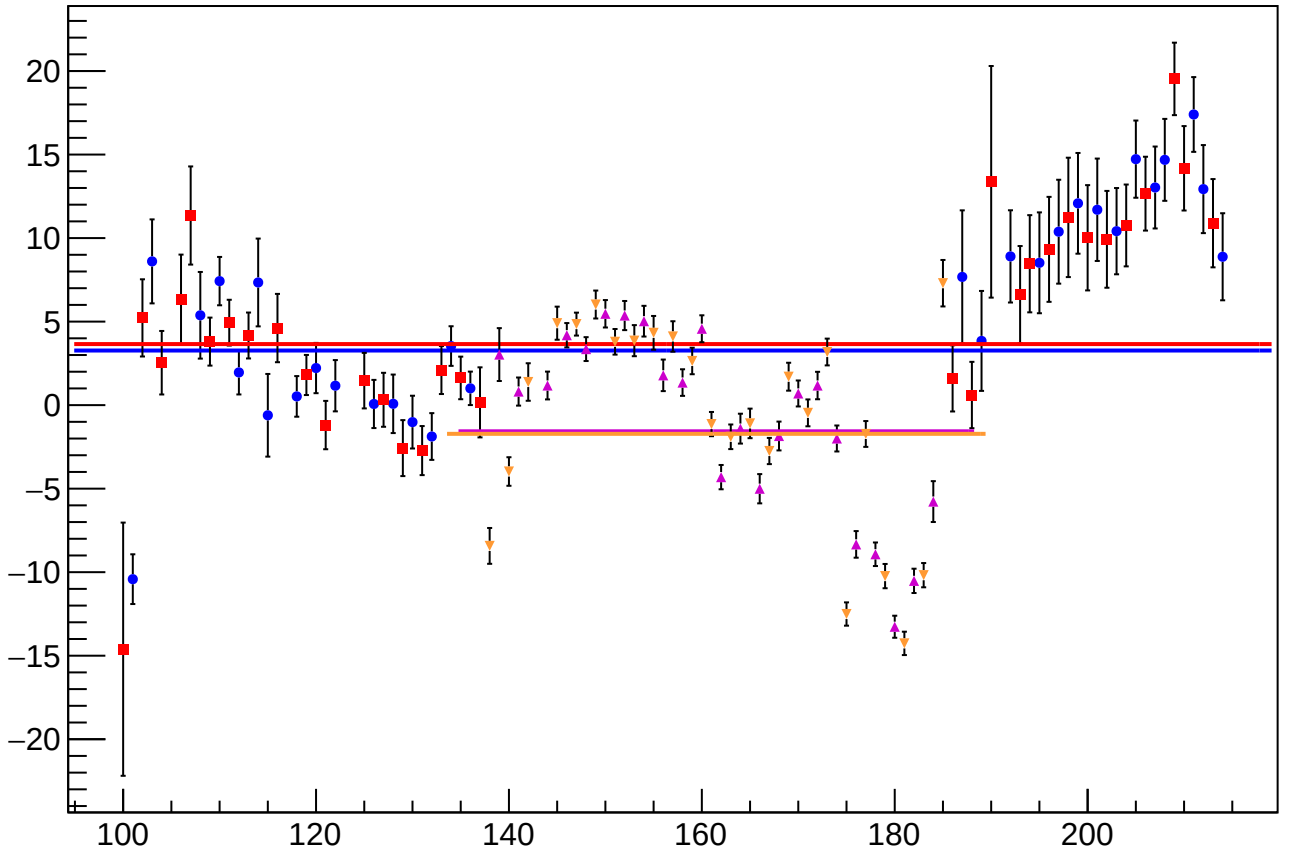
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.722+/-0.187 χ^2/NDF: 4926.9/61

In: -54.391+/-0.157 χ^2/NDF:7265.0/52

Out: -55.055+/-0.154 χ^2/NDF:12288.1/55

All: -54.729+/-0.110 χ^2/NDF: 19562.2/108



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

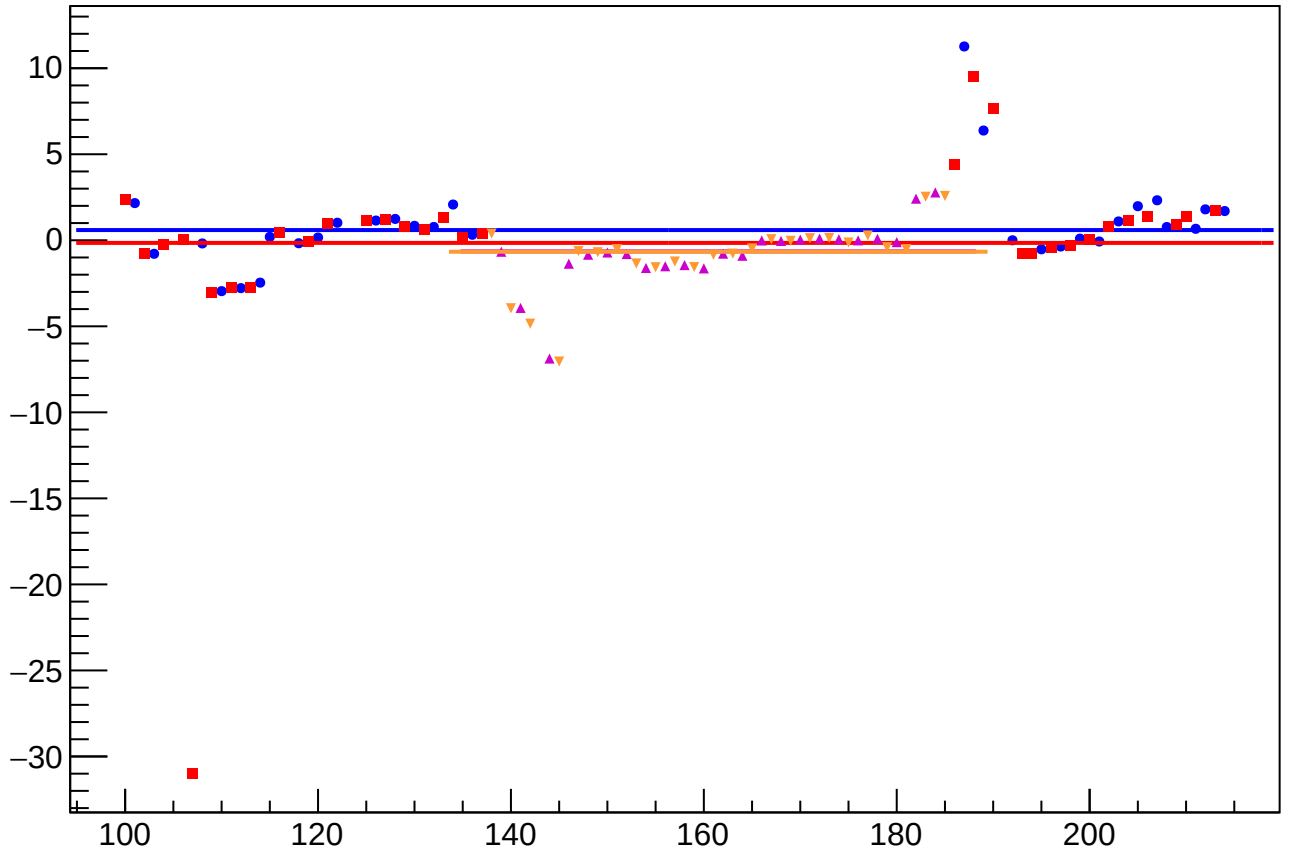
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 3.458+/-0.238 χ^2/NDF: 507.2/61

In: -0.564+/-0.152 χ^2/NDF:1587.2/52

Out: -0.667+/-0.151 χ^2/NDF:1810.1/55

All: -0.616+/-0.107 χ^2/NDF: 3397.6/108



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

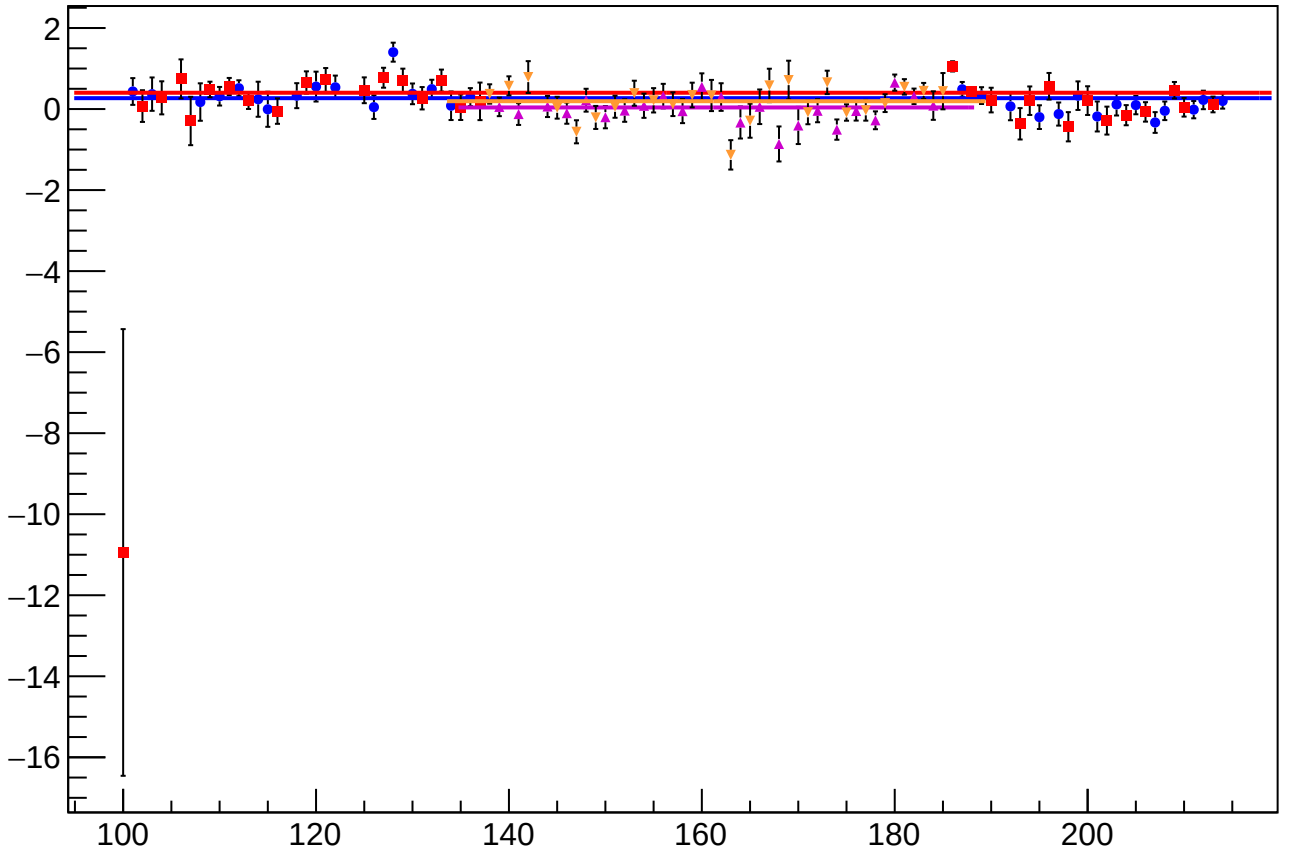
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.231+/-0.012 χ^2/NDF: 72668.0/61

In: -0.437+/-0.007 χ^2/NDF:60567.9/52

Out: -0.584+/-0.007 χ^2/NDF:117274.0/55

All: -0.510+/-0.005 χ^2/NDF: 178068.1/108



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

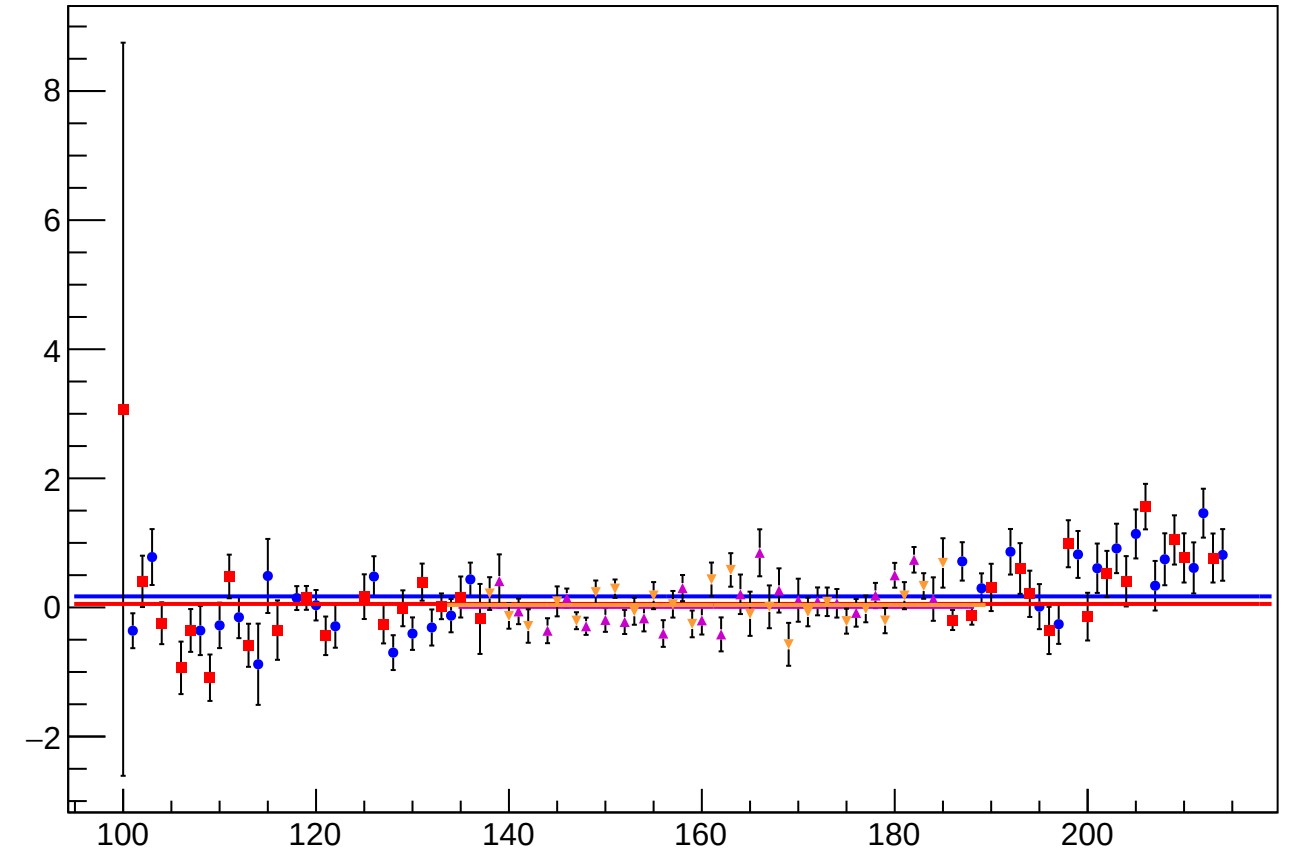
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.342+/-0.032 χ^2/NDF: 125.1/61

In: 0.175+/-0.037 χ^2/NDF:87.2/52

Out: 0.325+/-0.035 χ^2/NDF:126.2/55

All: 0.254+/-0.025 χ^2/NDF: 222.2/108



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

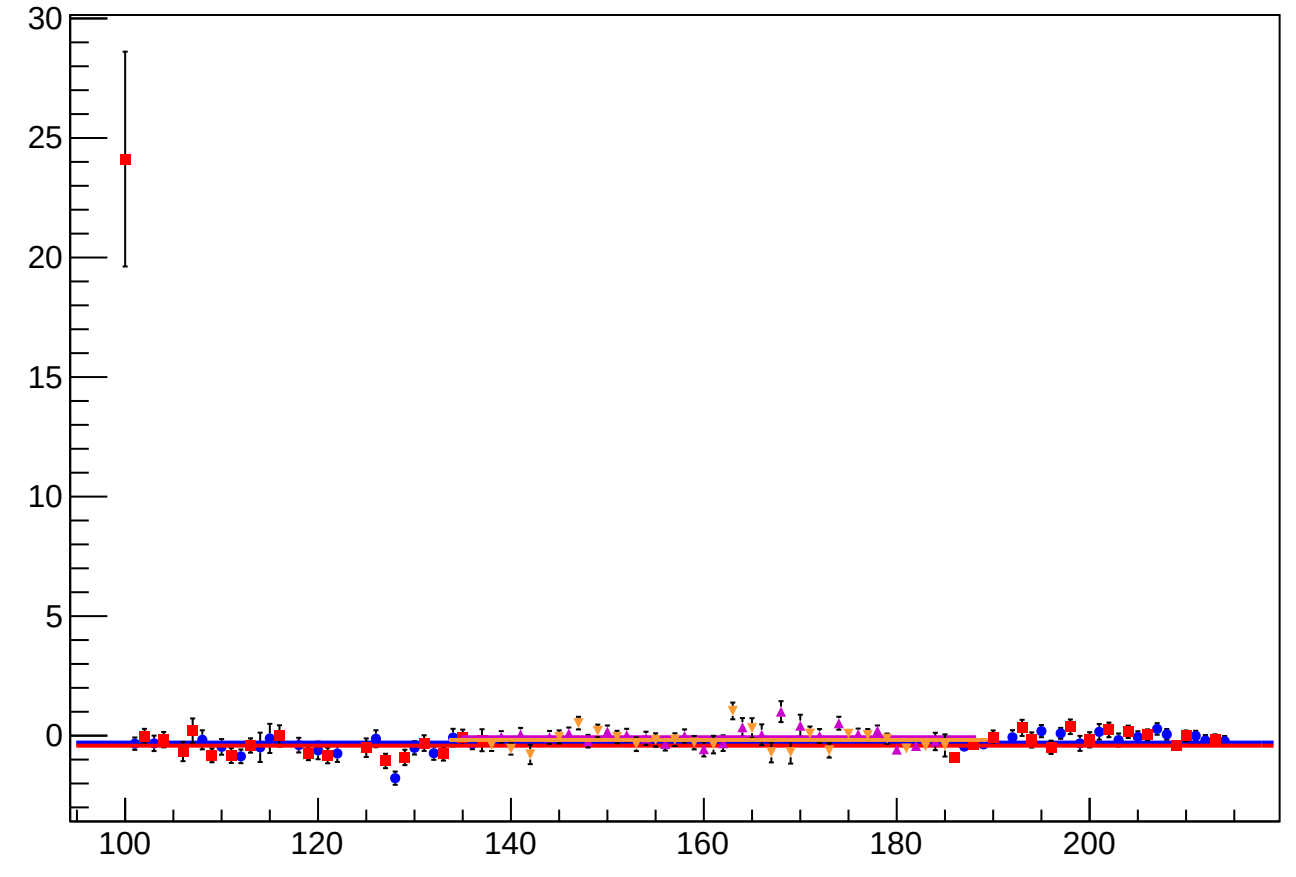
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: 0.108+/-0.039 χ^2/NDF: 162.7/61

In: 0.069+/-0.035 χ^2/NDF:136.3/52

Out: 0.044+/-0.033 χ^2/NDF:113.5/55

All: 0.056+/-0.024 χ^2/NDF: 250.0/108



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

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

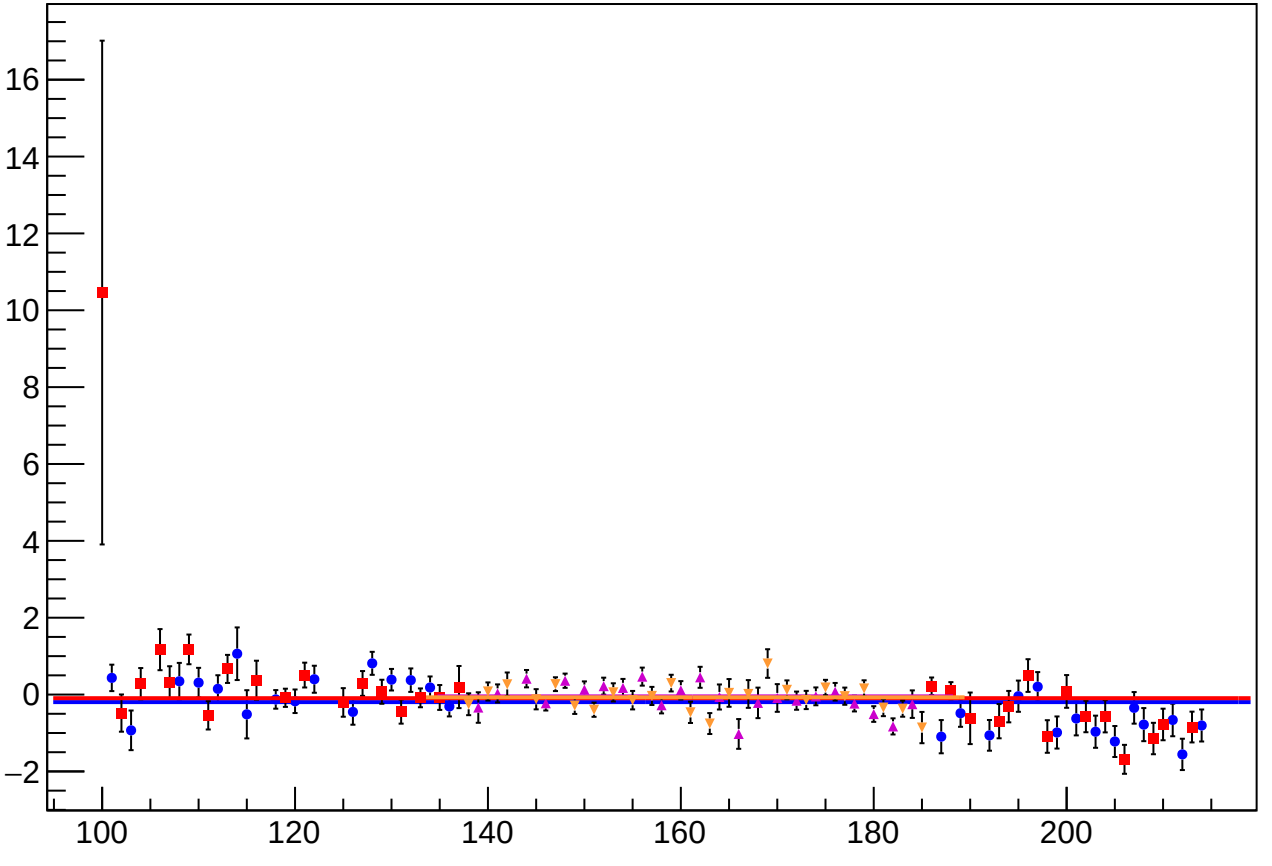
Right: -0.363+/-0.032 χ^2/NDF: 170.5/61

In: -0.196+/-0.037 χ^2/NDF:101.3/52

Out: -0.332+/-0.034 χ^2/NDF:159.5/55

All: -0.270+/-0.025 χ^2/NDF: 268.2/108

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

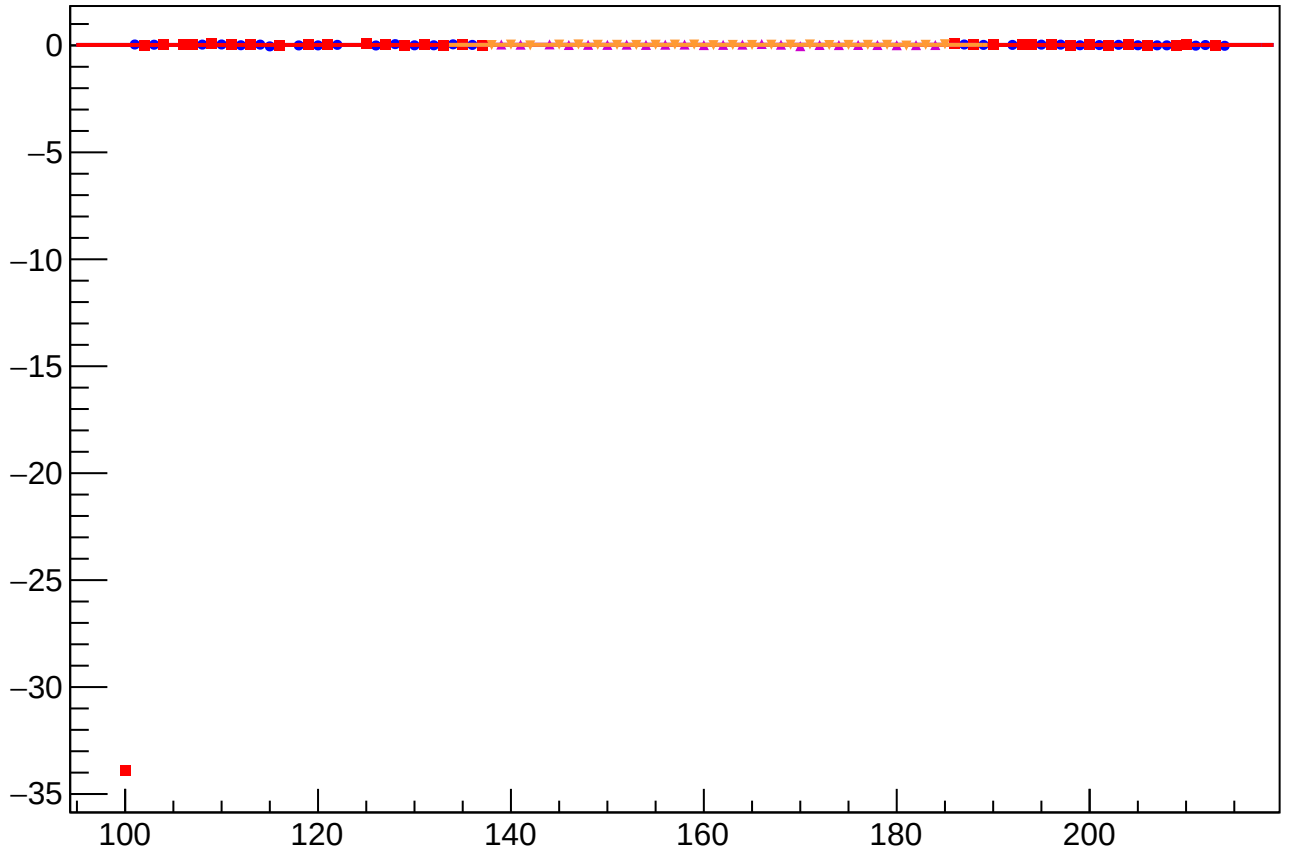
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

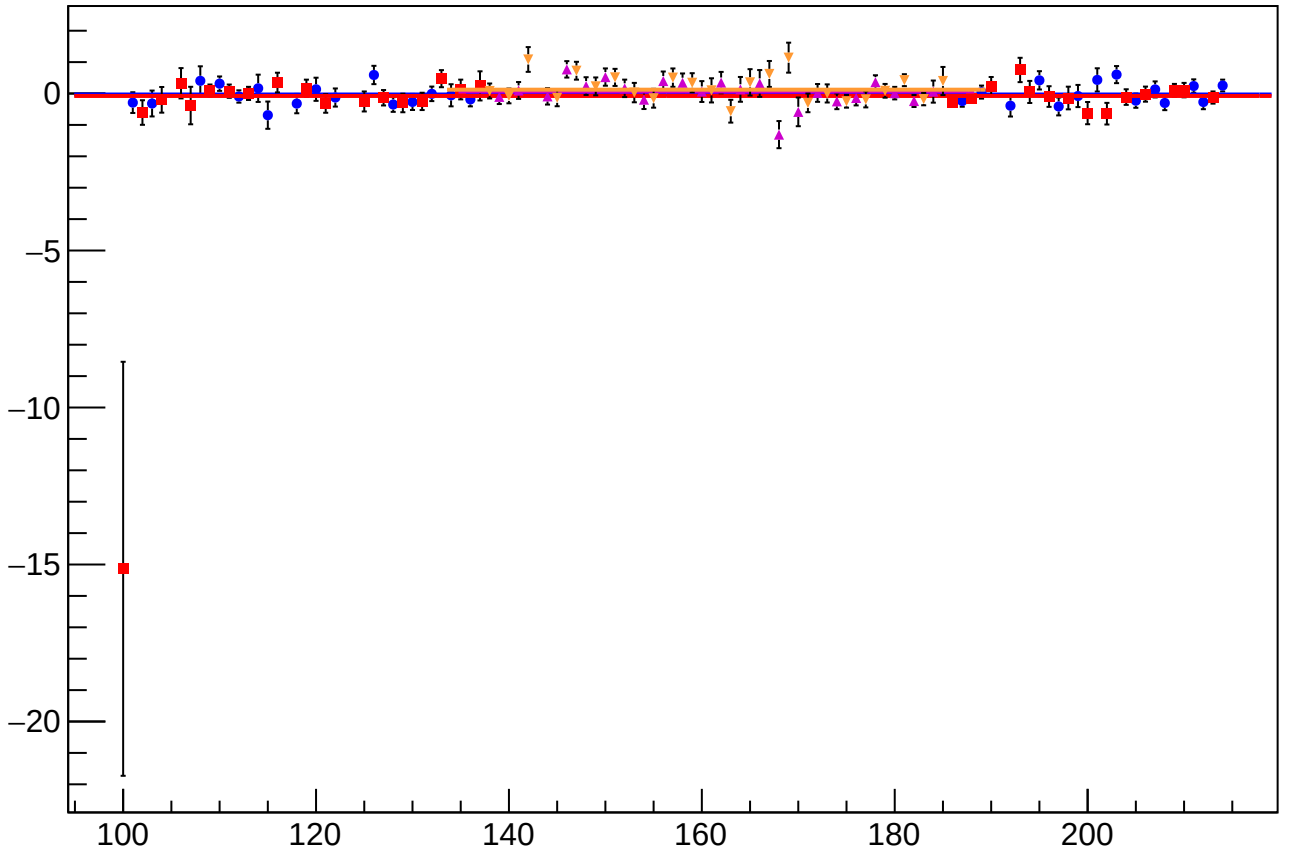
Right: -0.143+/-0.046 χ^2/NDF: 161.8/61

In: -0.101+/-0.040 χ^2/NDF:133.1/52

Out: -0.080+/-0.039 χ^2/NDF:119.0/55

All: -0.090+/-0.028 χ^2/NDF: 252.2/108


reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
−35
100
120
140
160
180
200
Right In: 0.022+/-0.003 χ²/NDF: 30.0/29
Left Out: 0.026+/-0.002 χ²/NDF:31.4/23
Right Out: 0.022+/-0.003 χ²/NDF: 22317.6/31
Left In: 0.026+/-0.002 χ²/NDF:39.5/22
Left: 0.026+/-0.002 χ²/NDF: 70.9/46
Right: 0.022+/-0.002 χ²/NDF: 22347.6/61
In: 0.025+/-0.002 χ²/NDF:71.0/52
Out: 0.025+/-0.002 χ²/NDF:22350.6/55
All: 0.025+/-0.001 χ²/NDF: 22421.6/108



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

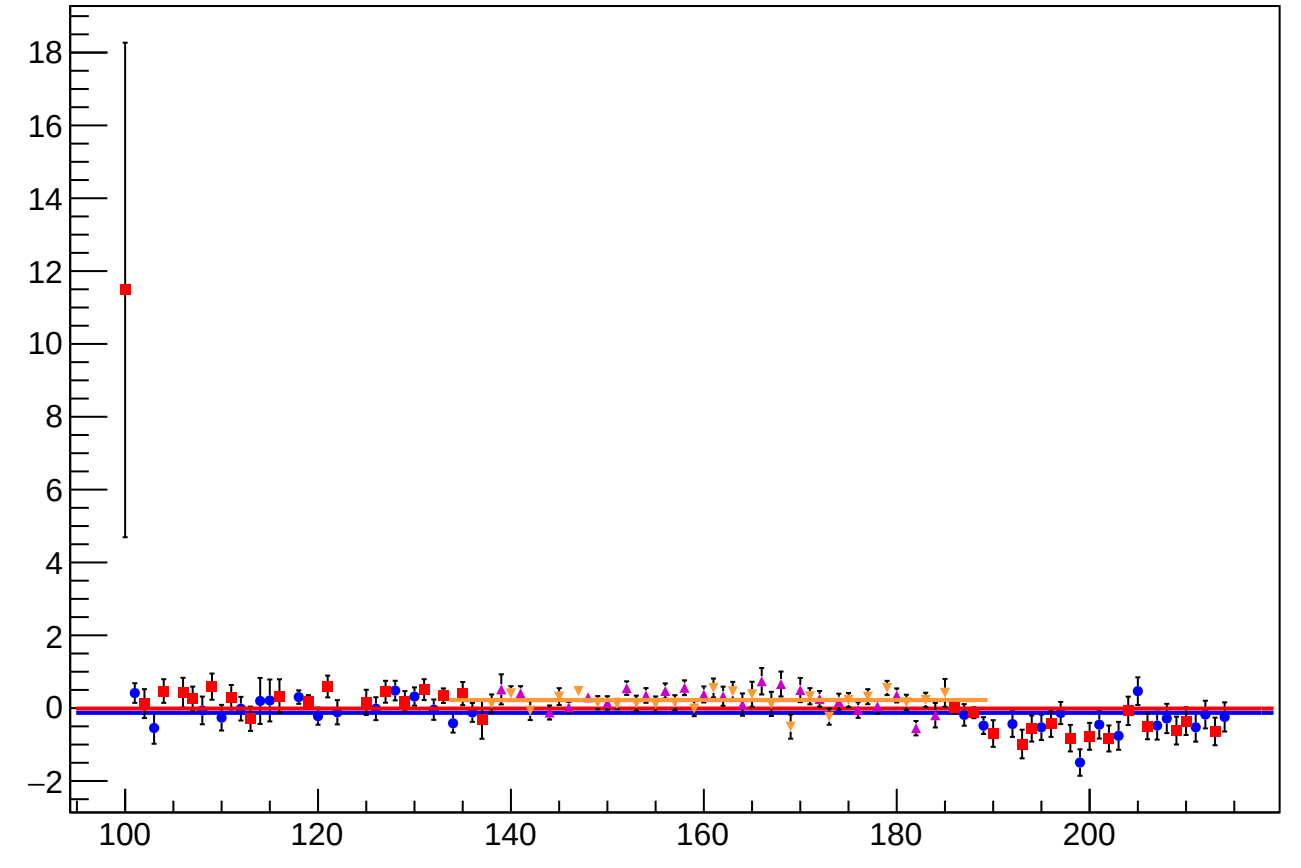
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.057+/-0.032 χ^2/NDF: 72.7/61

In: 0.007+/-0.037 χ^2/NDF:72.9/52

Out: -0.003+/-0.035 χ^2/NDF:82.6/55

All: 0.002+/-0.025 χ^2/NDF: 155.5/108



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

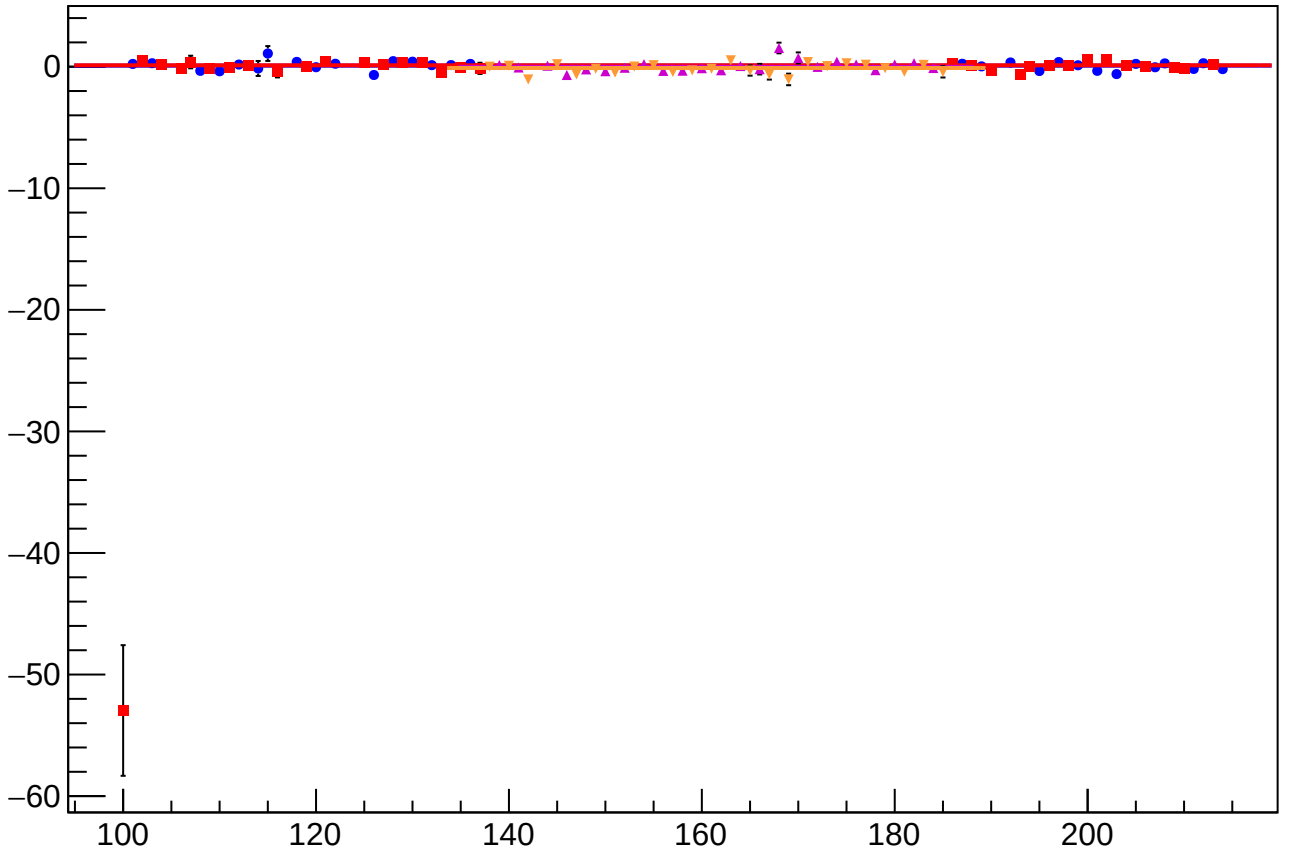
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.066+/-0.039 χ^2/NDF: 114.8/61

In: 0.090+/-0.035 χ^2/NDF:110.5/52

Out: 0.130+/-0.033 χ^2/NDF:100.9/55

All: 0.111+/-0.024 χ^2/NDF: 212.1/108



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

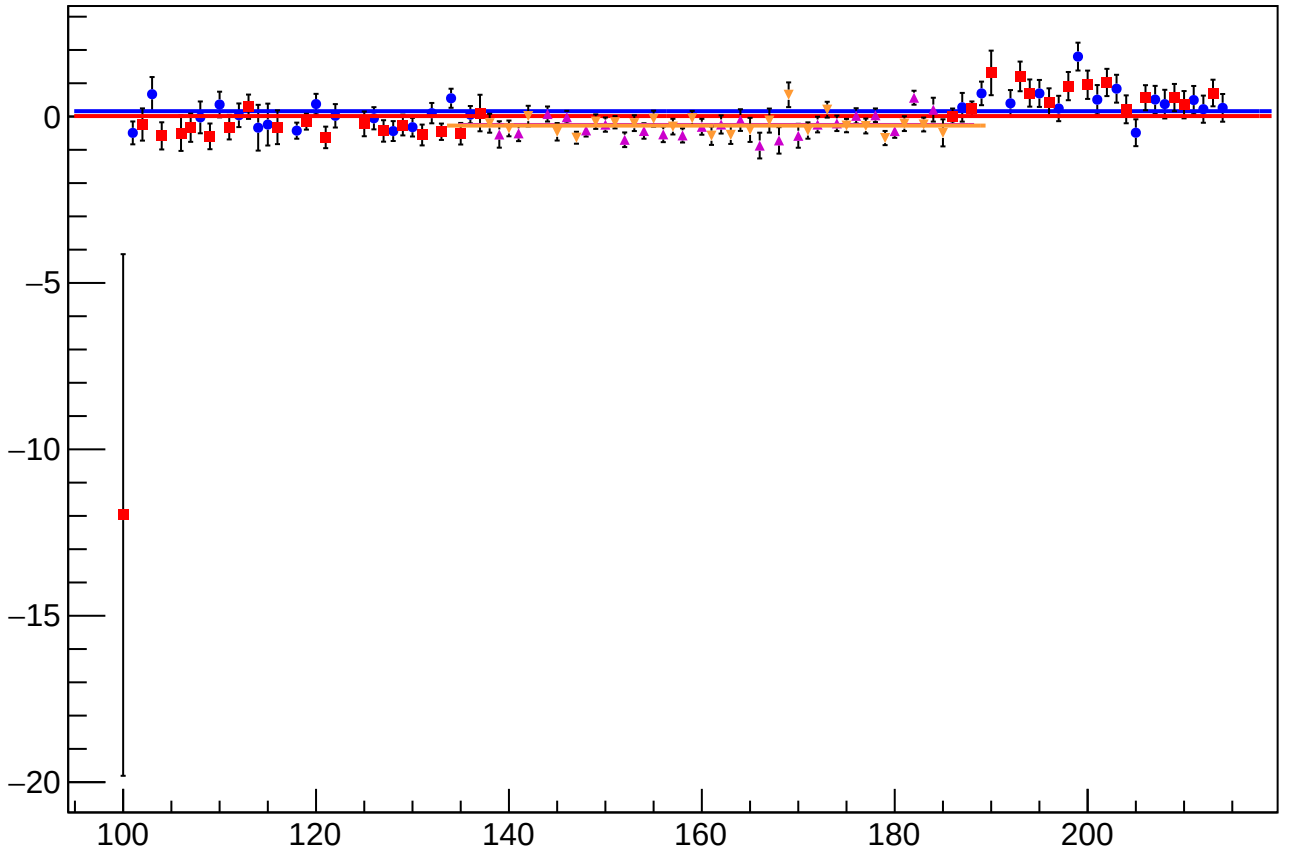
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.103+/-0.032 χ^2/NDF: 161.1/61

In: 0.047+/-0.037 χ^2/NDF:76.0/52

Out: 0.036+/-0.034 χ^2/NDF:171.9/55

All: 0.041+/-0.025 χ^2/NDF: 247.9/108



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

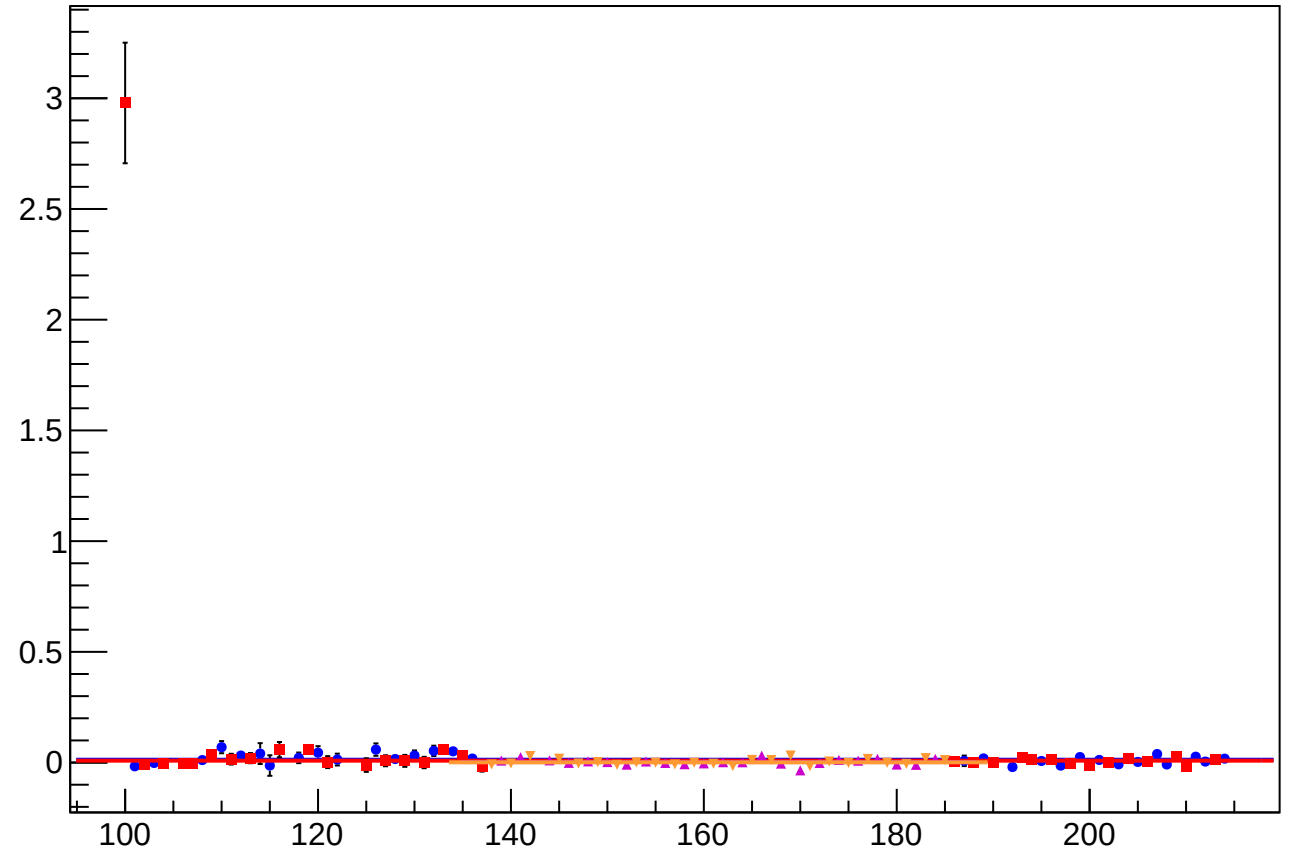
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.085+/-0.046 χ^2/NDF: 118.7/61

In: -0.103+/-0.040 χ^2/NDF:114.6/52

Out: -0.165+/-0.039 χ^2/NDF:104.3/55

All: -0.135+/-0.028 χ^2/NDF: 220.1/108



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

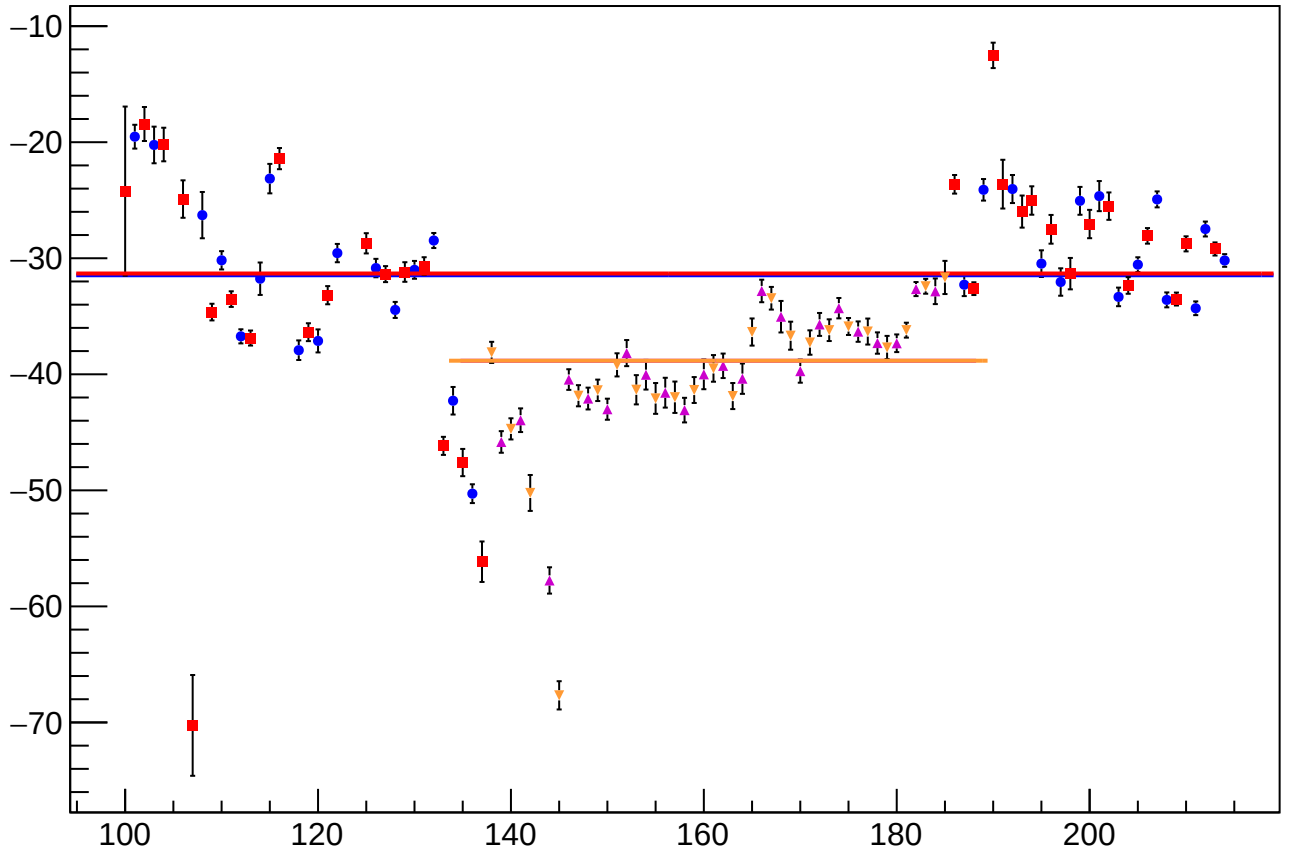
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.002 χ^2/NDF: 198.4/61

In: 0.006+/-0.002 χ^2/NDF:77.2/52

Out: 0.004+/-0.002 χ^2/NDF:183.1/55

All: 0.005+/-0.001 χ^2/NDF: 260.9/108



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

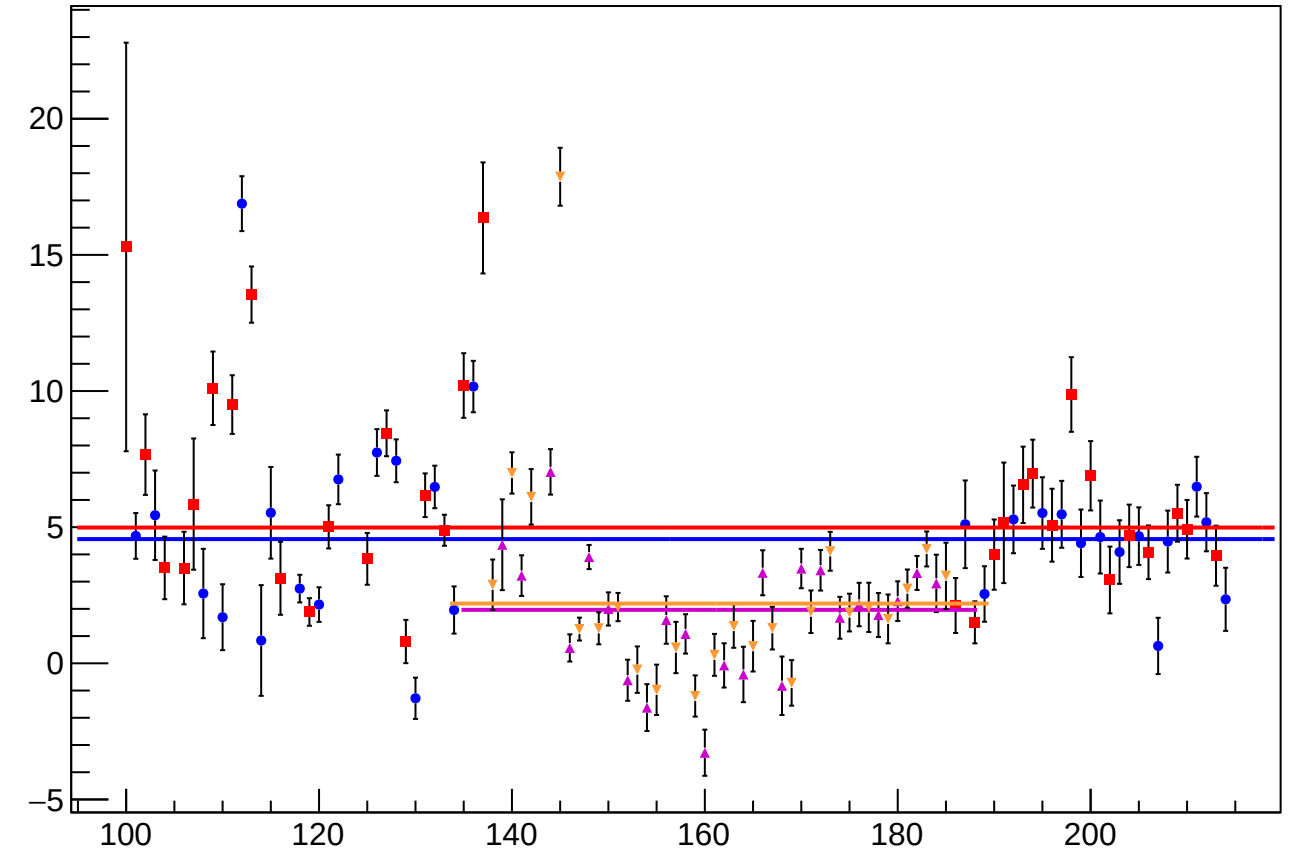
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.390+/-0.107 χ^2/NDF: 3246.1/62

In: -34.083+/-0.121 χ^2/NDF:2908.0/52

Out: -33.992+/-0.121 χ^2/NDF:3645.4/56

All: -34.038+/-0.085 χ^2/NDF: 6553.7/109



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

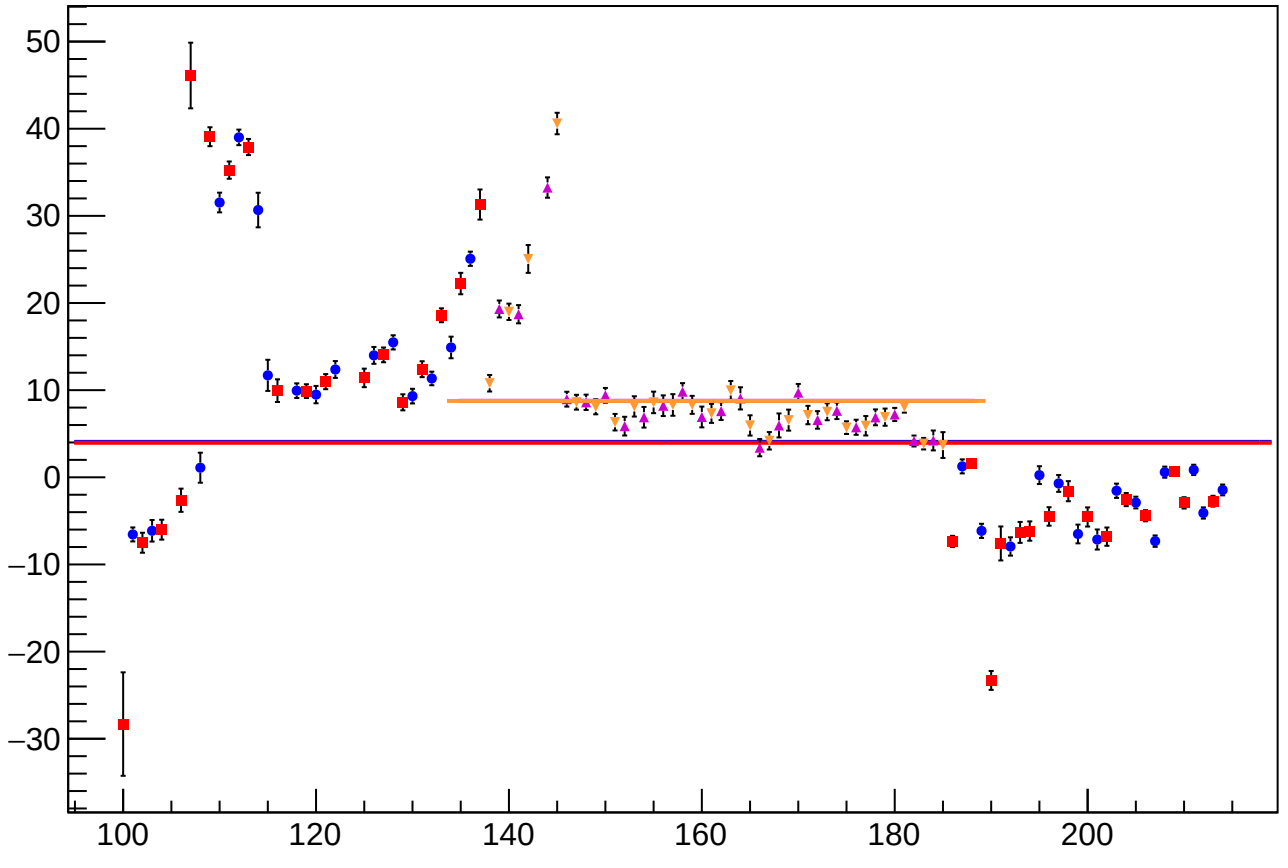
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.776+/-0.127 χ^2/NDF: 659.3/62

In: 3.072+/-0.117 χ^2/NDF:650.8/52

Out: 3.371+/-0.116 χ^2/NDF:806.0/56

All: 3.223+/-0.082 χ^2/NDF: 1460.1/109



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

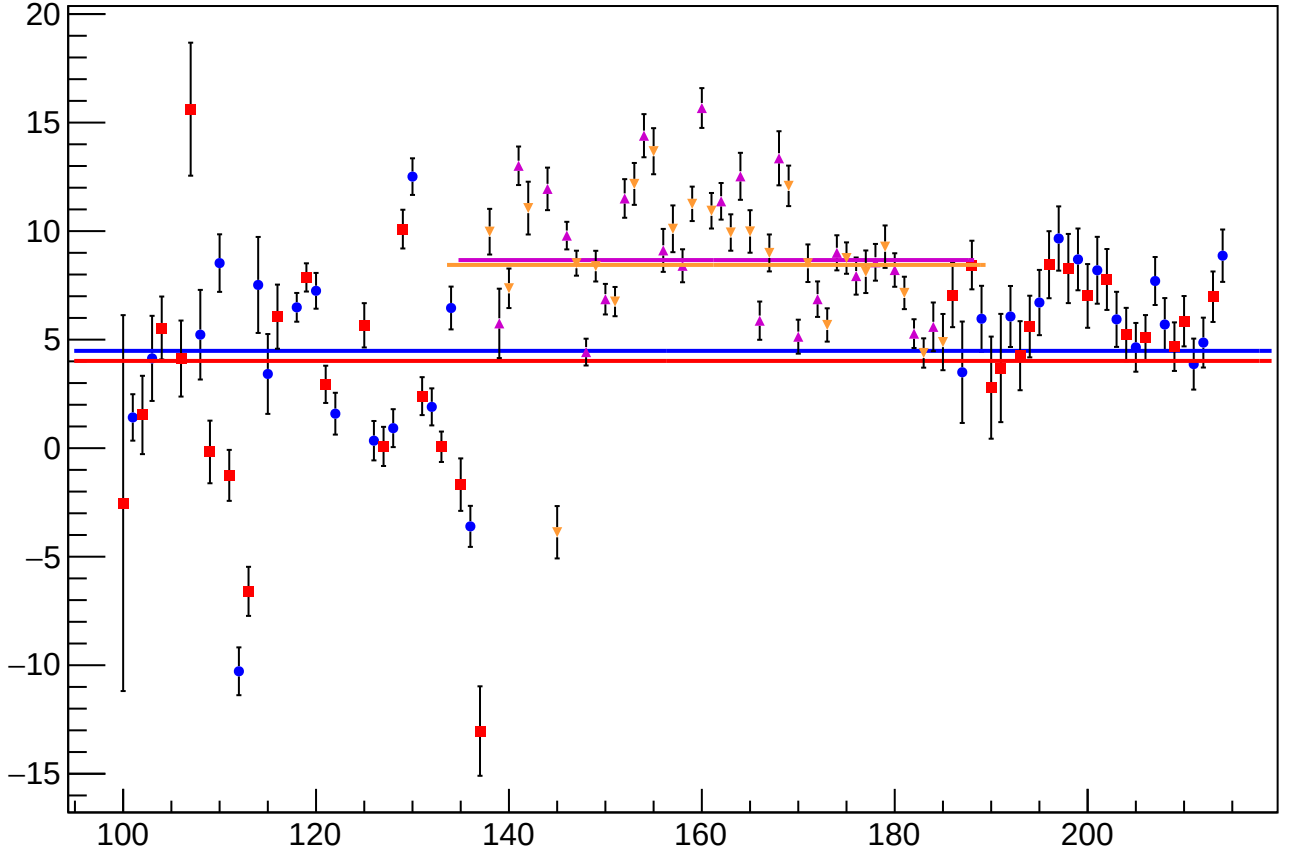
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 4.013+/-0.110 χ^2/NDF: 12095.5/62

In: 5.849+/-0.124 χ^2/NDF:6306.0/52

Out: 5.755+/-0.122 χ^2/NDF:8318.7/56

All: 5.801+/-0.087 χ^2/NDF: 14625.0/109



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

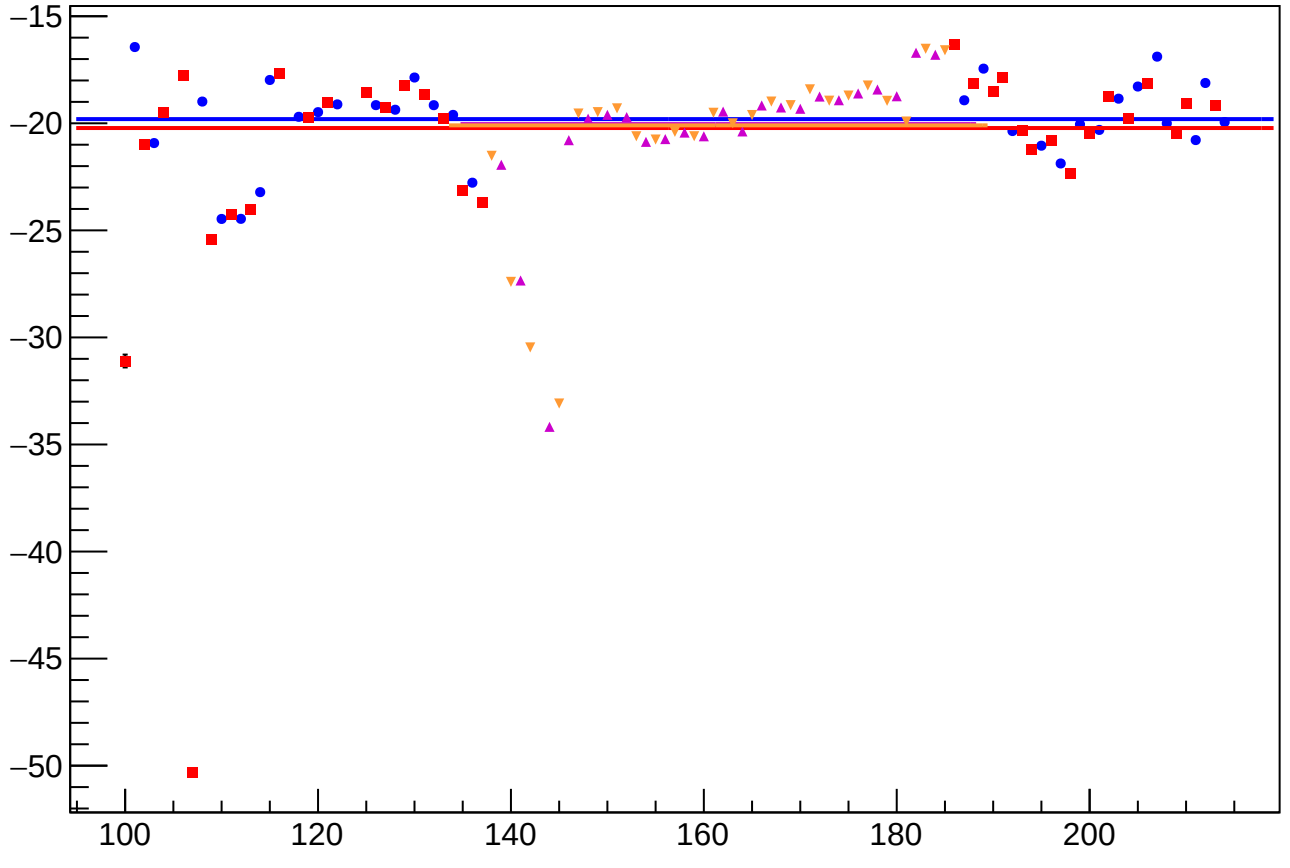
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 4.253+/-0.146 χ^2/NDF: 928.0/62

In: 6.906+/-0.134 χ^2/NDF:1042.6/52

Out: 6.622+/-0.133 χ^2/NDF:957.9/56

All: 6.763+/-0.094 χ^2/NDF: 2002.8/109



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

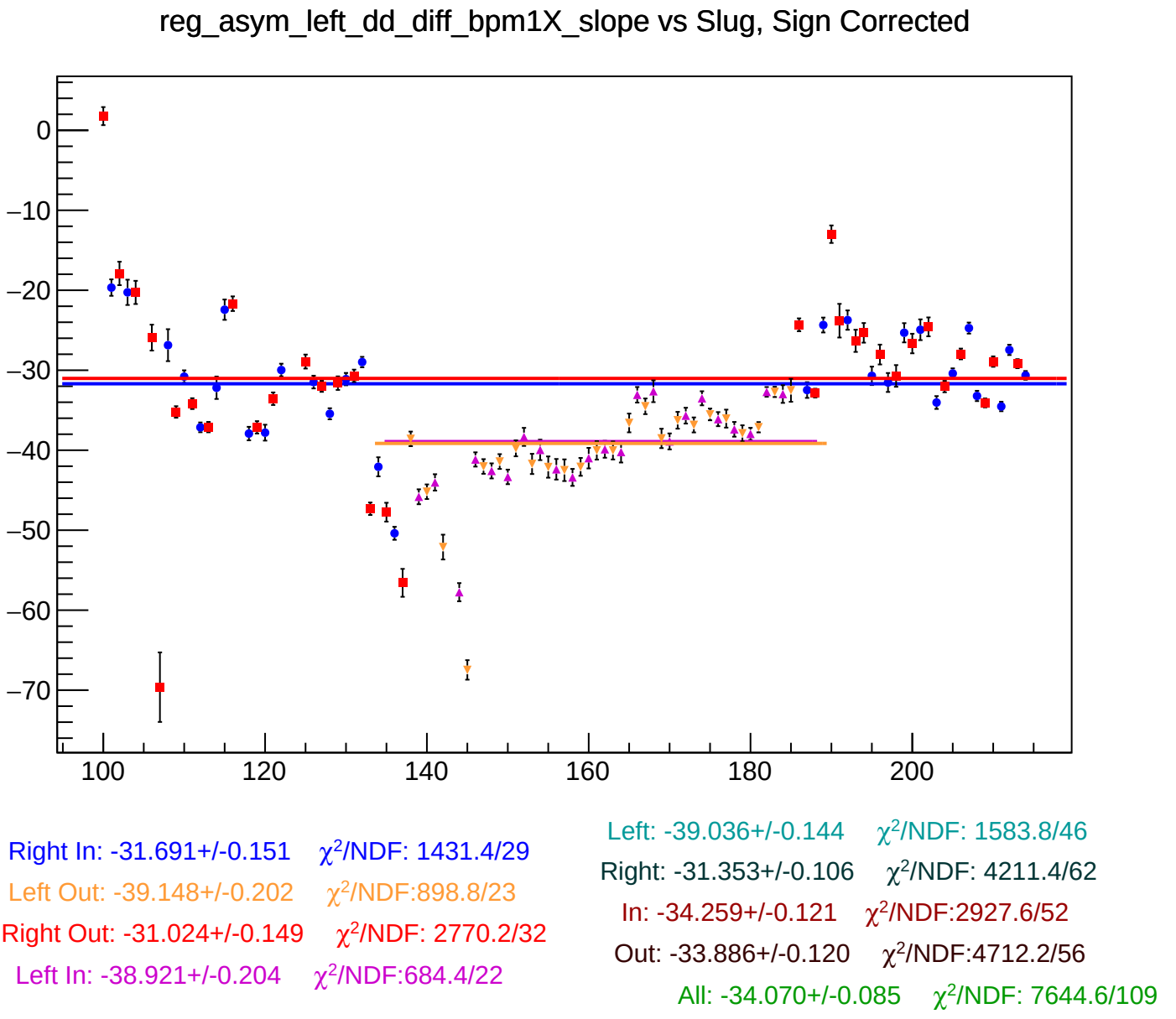
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

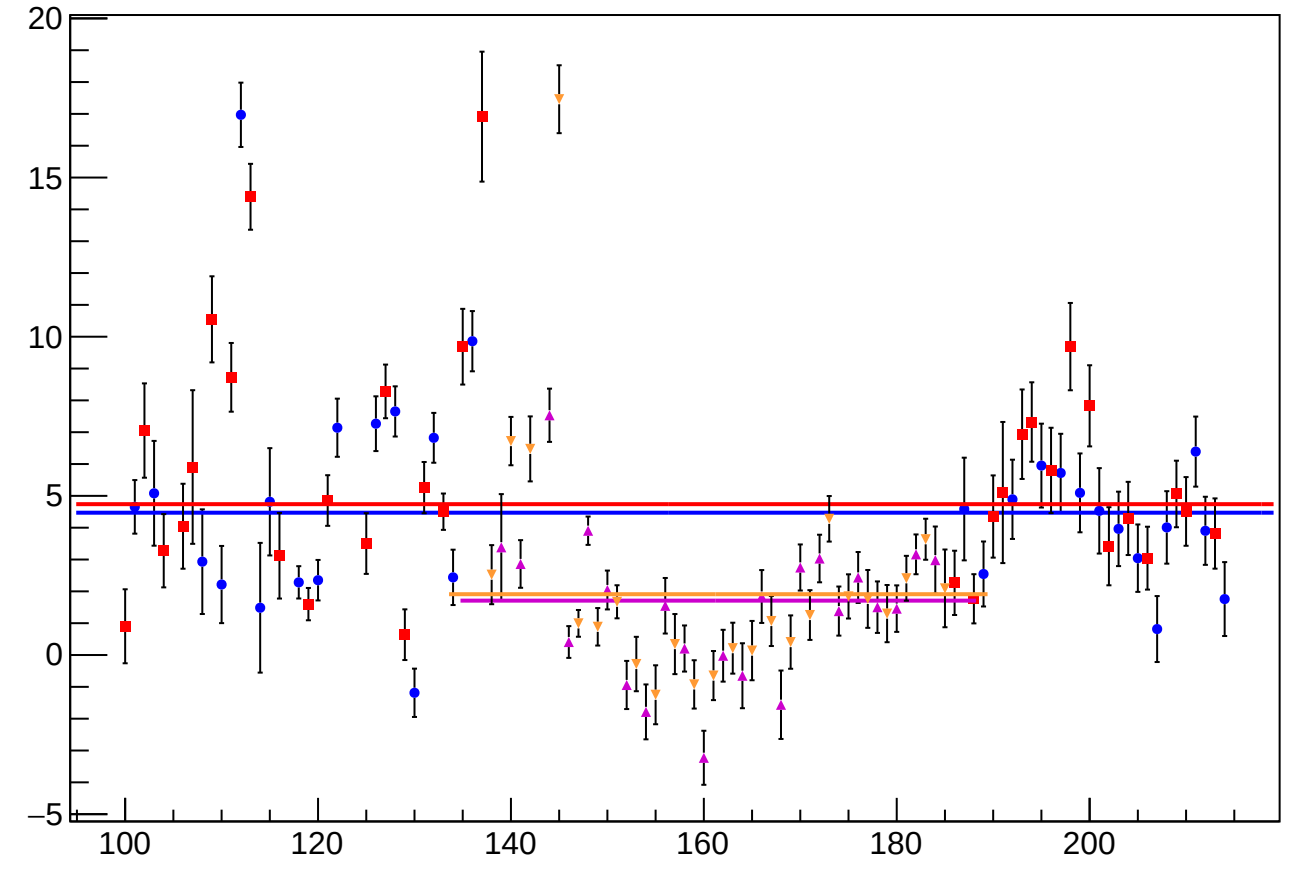
Right: -20.013+/-0.007 χ^2/NDF: 105594.0/62

In: -19.951+/-0.006 χ^2/NDF:165004.0/52

Out: -20.143+/-0.006 χ^2/NDF:231763.2/56

All: -20.047+/-0.004 χ^2/NDF: 397239.8/109


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
120
140
160
180
200
Right In: -31.691+/-0.151 χ²/NDF: 1431.4/29
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -31.024+/-0.149 χ²/NDF: 2770.2/32
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -31.353+/-0.106 χ²/NDF: 4211.4/62
In: -34.259+/-0.121 χ²/NDF:2927.6/52
Out: -33.886+/-0.120 χ²/NDF:4712.2/56
All: -34.070+/-0.085 χ²/NDF: 7644.6/109



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

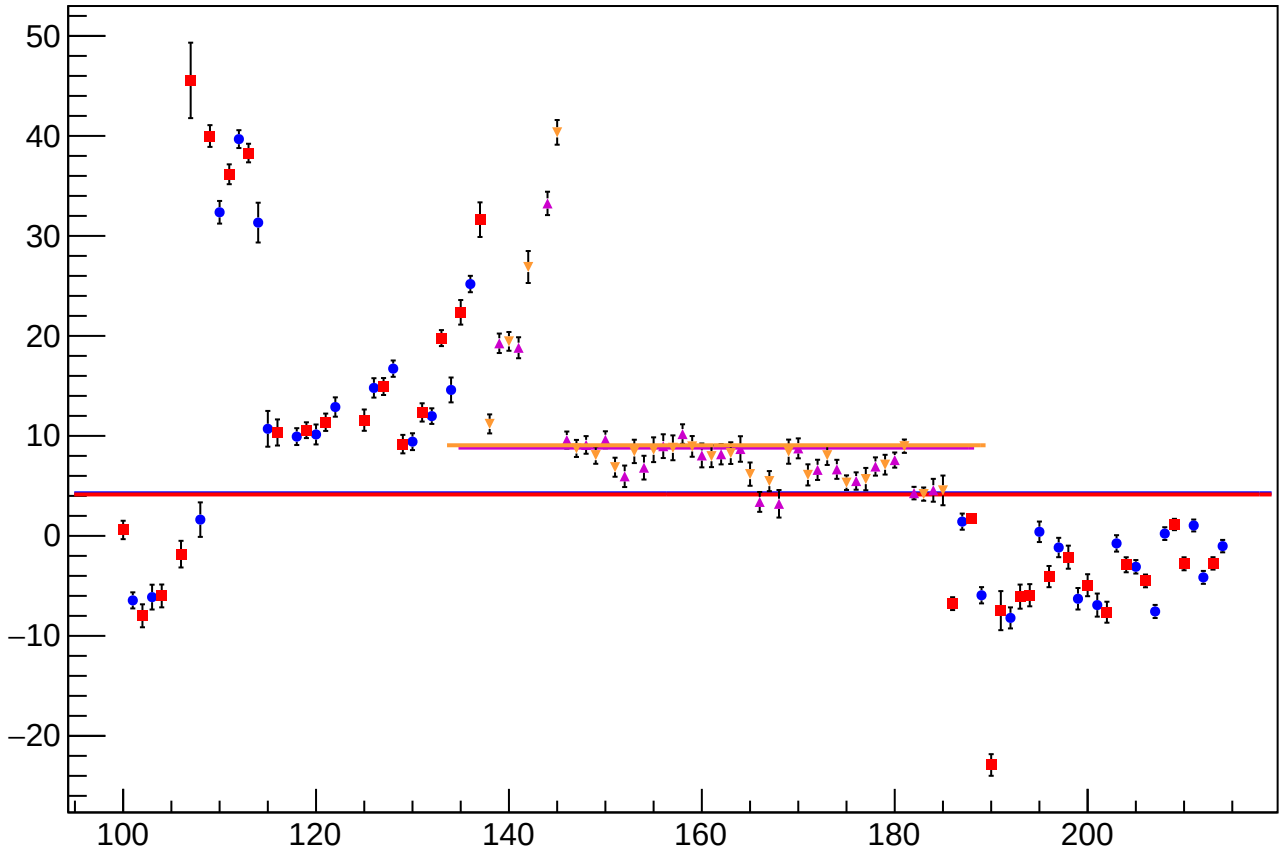
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.608+/-0.126 χ^2/NDF: 683.9/62

In: 2.886+/-0.117 χ^2/NDF:674.9/52

Out: 3.118+/-0.115 χ^2/NDF:832.1/56

All: 3.004+/-0.082 χ^2/NDF: 1508.9/109



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

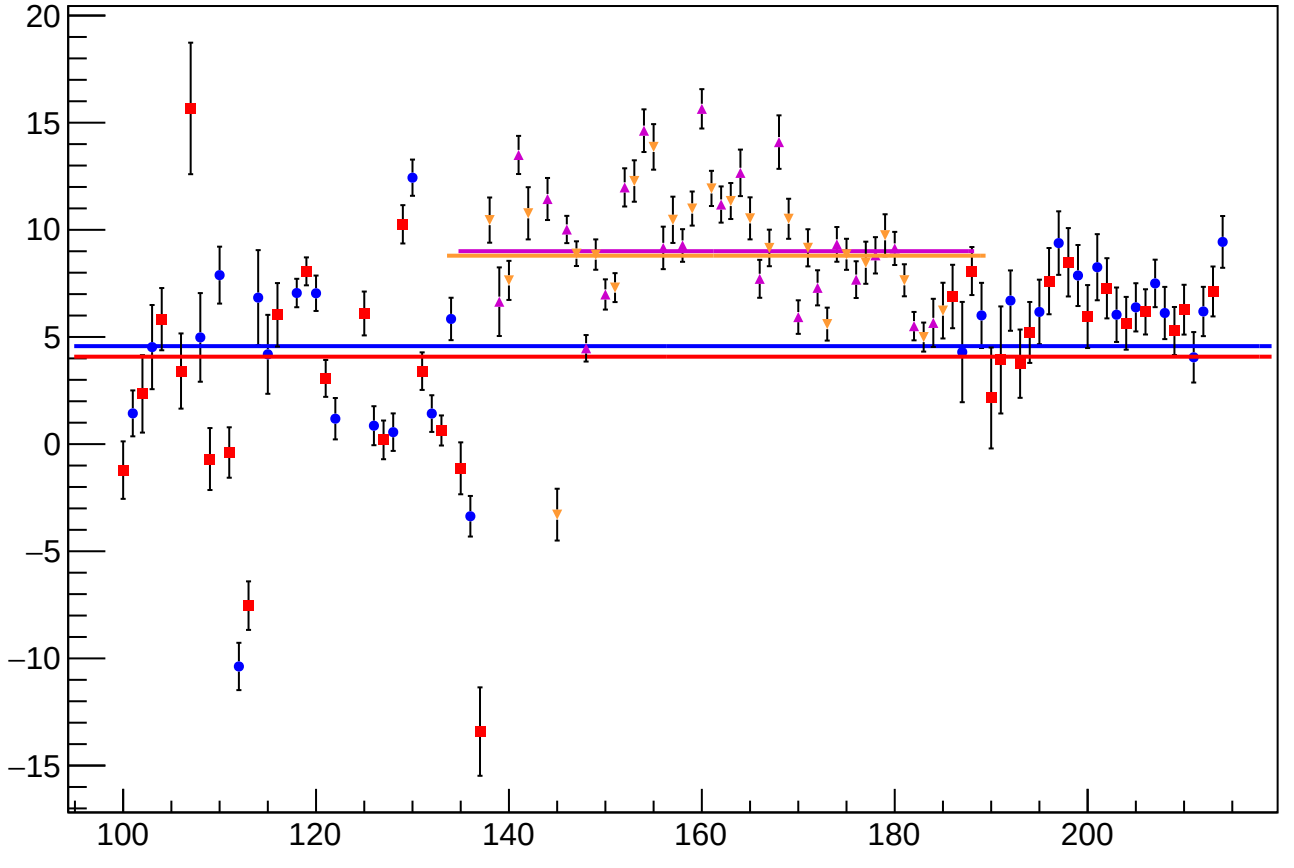
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 4.198+/-0.110 χ^2/NDF: 12444.6/62

In: 5.989+/-0.124 χ^2/NDF:6458.7/52

Out: 5.945+/-0.122 χ^2/NDF:8518.6/56

All: 5.967+/-0.087 χ^2/NDF: 14977.3/109



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

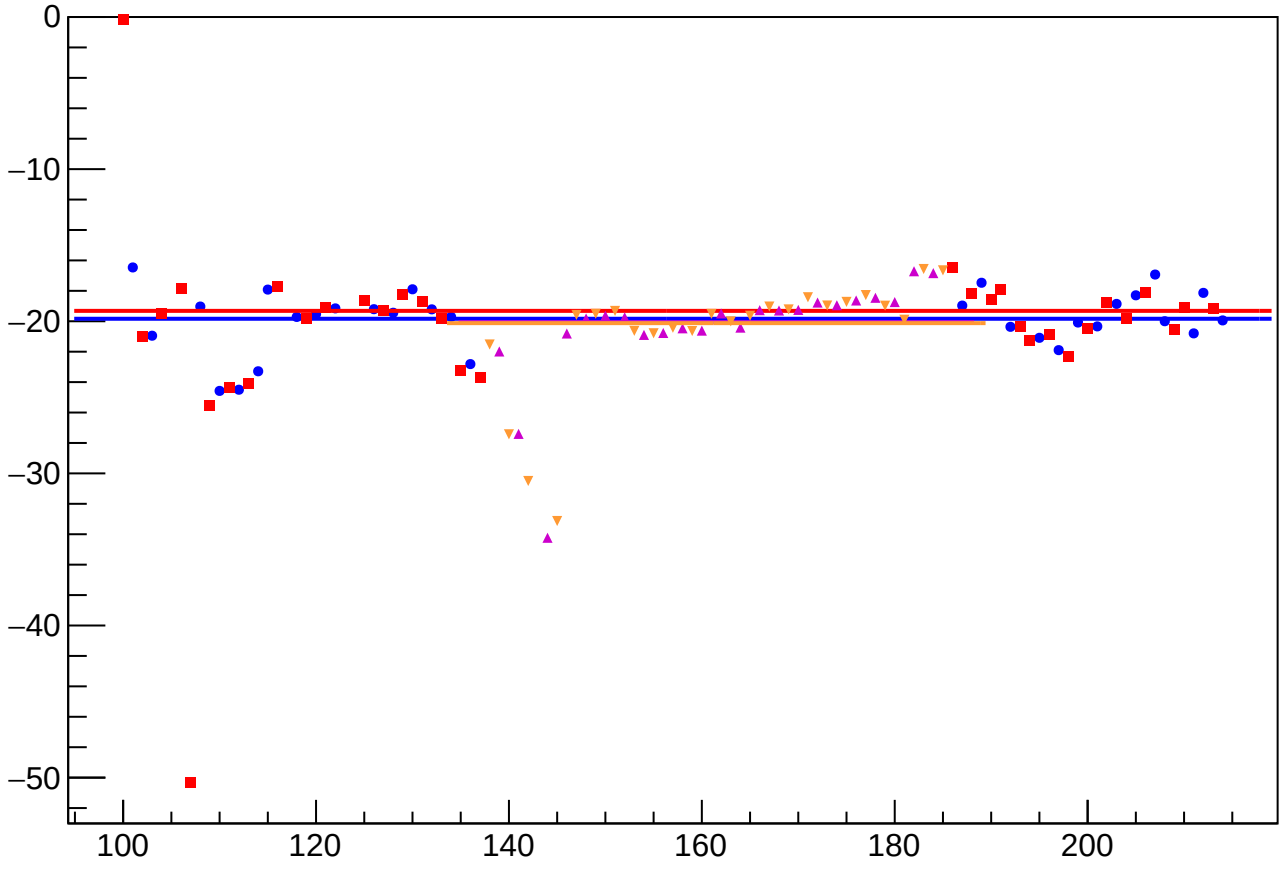
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.325+/-0.146 χ^2/NDF: 946.5/62

In: 7.139+/-0.134 χ^2/NDF:1057.3/52

Out: 6.827+/-0.133 χ^2/NDF:993.3/56

All: 6.981+/-0.094 χ^2/NDF: 2053.4/109



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

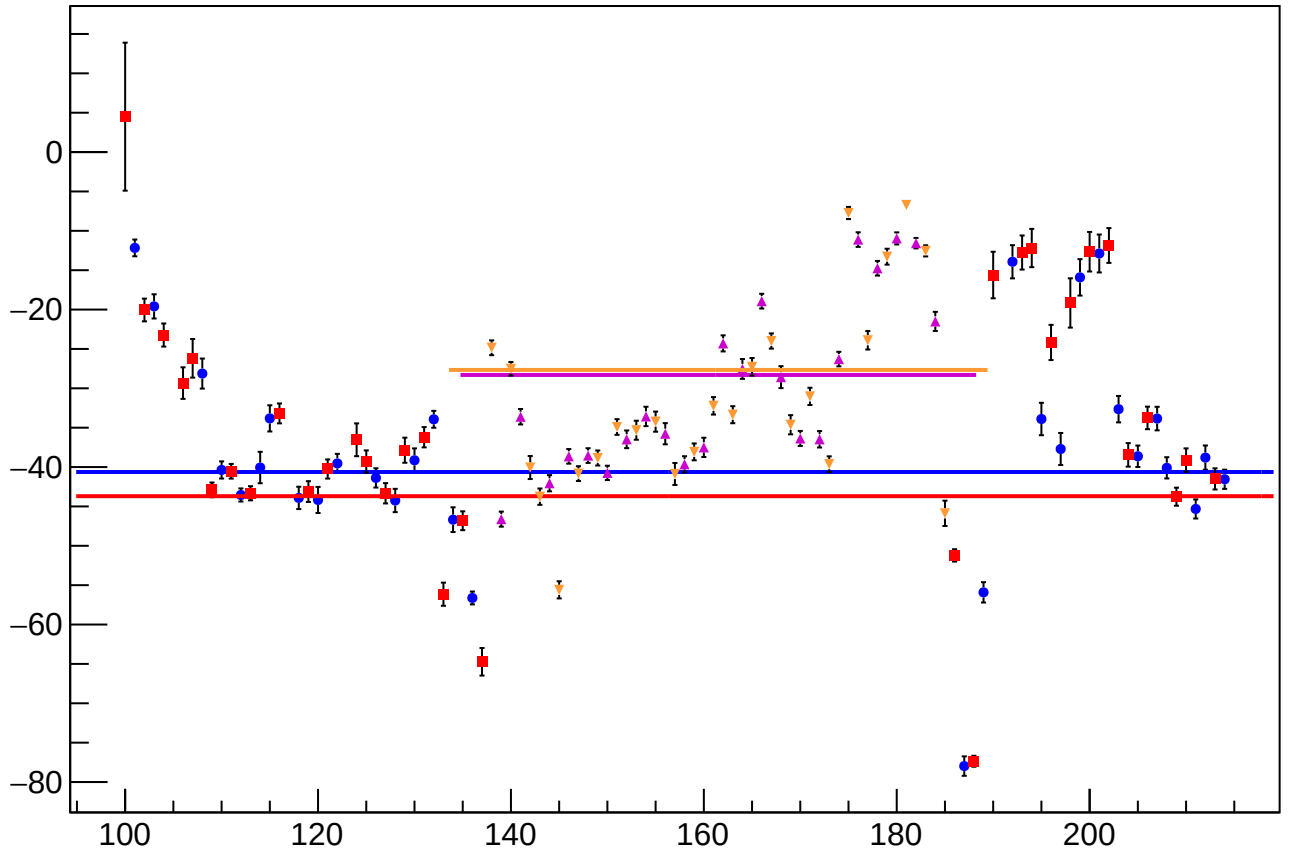
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.569+/-0.007 χ^2/NDF: 281811.1/62

In: -19.979+/-0.006 χ^2/NDF:165398.2/52

Out: -19.812+/-0.006 χ^2/NDF:410668.8/56

All: -19.894+/-0.004 χ^2/NDF: 576424.7/109



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

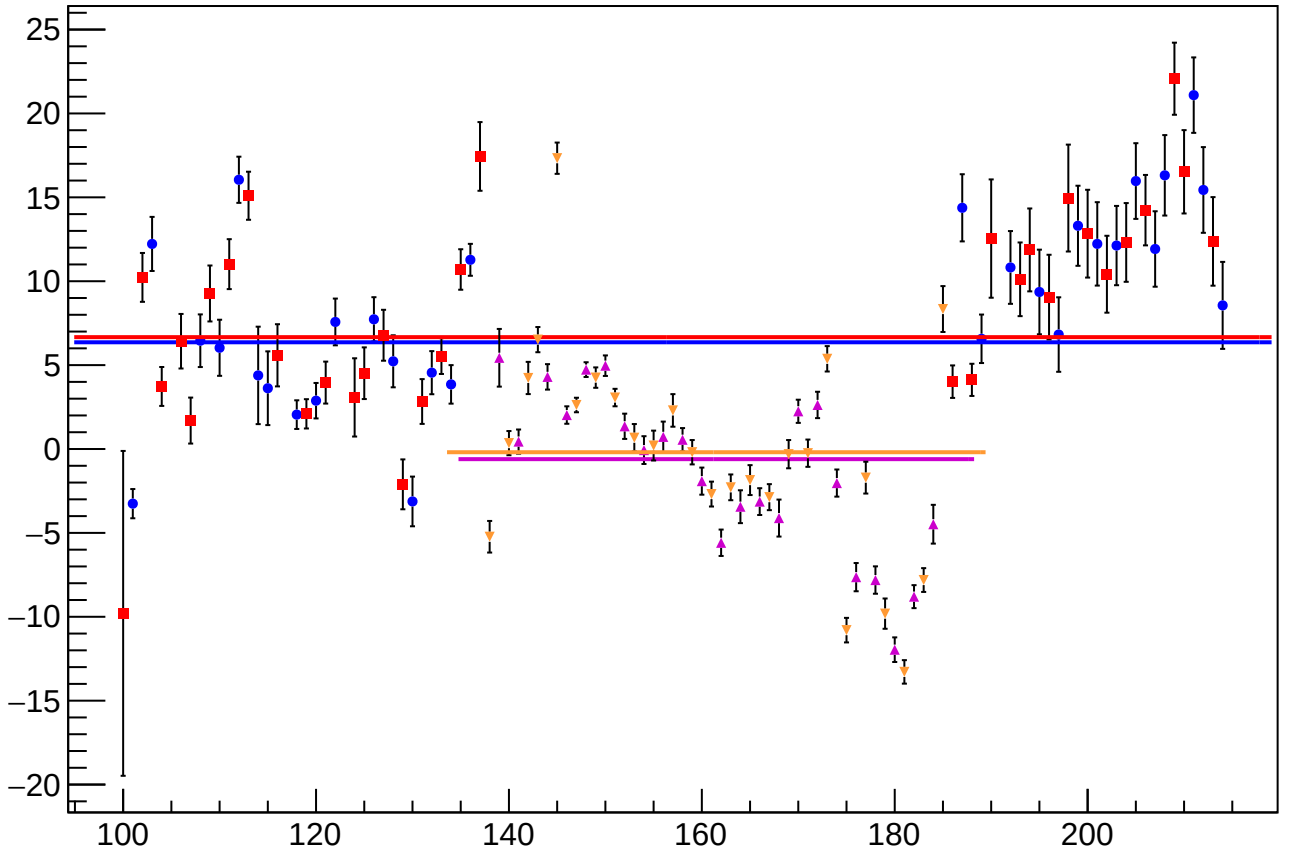
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -42.244+/-0.170 χ^2/NDF: 7486.9/62

In: -33.344+/-0.158 χ^2/NDF:7708.7/52

Out: -34.429+/-0.152 χ^2/NDF:11532.4/57

All: -33.907+/-0.110 χ^2/NDF: 19265.5/110



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

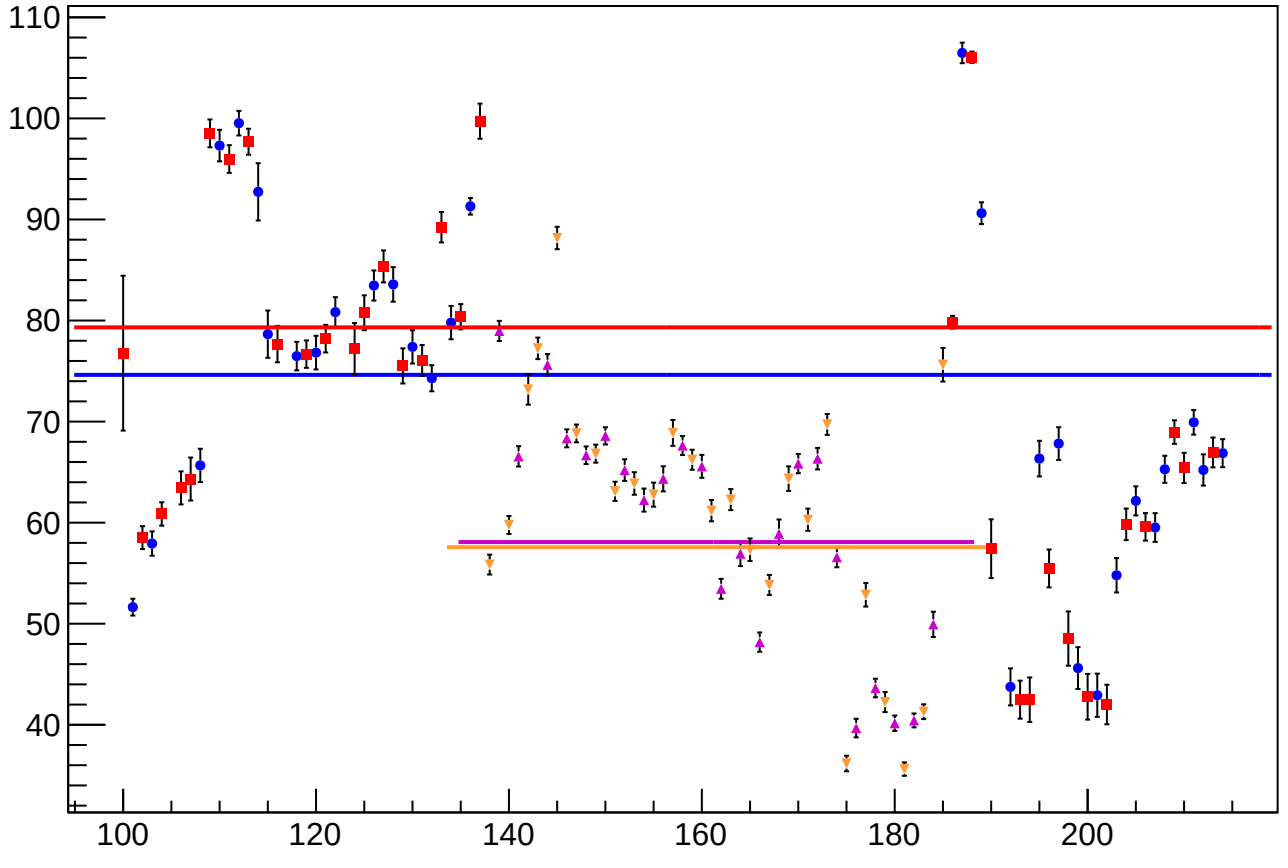
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 6.518+/-0.194 χ^2/NDF: 764.7/62

In: 1.046+/-0.136 χ^2/NDF:1891.7/52

Out: 1.422+/-0.131 χ^2/NDF:2361.4/57

All: 1.240+/-0.094 χ^2/NDF: 4257.1/110



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

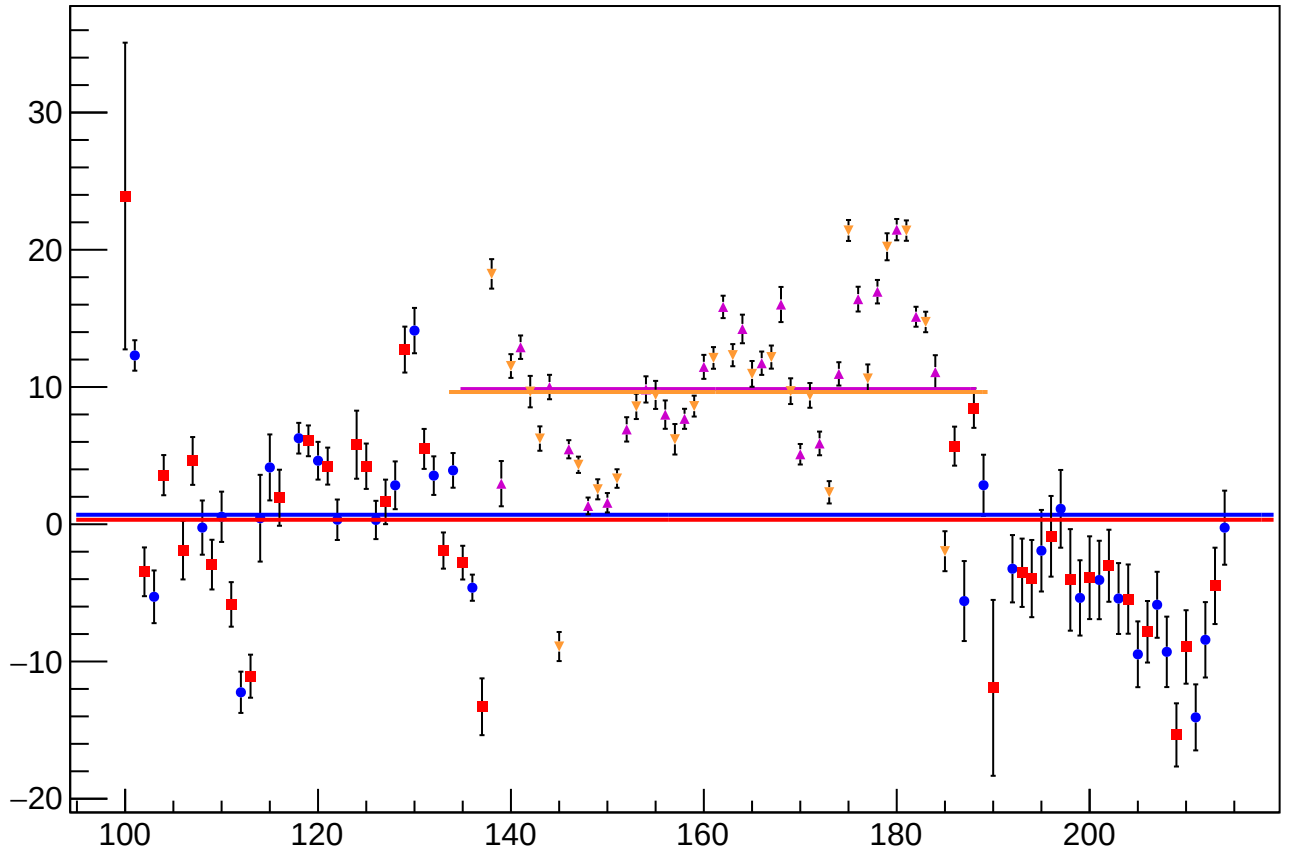
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 77.148+/-0.172 χ^2/NDF: 10776.9/62

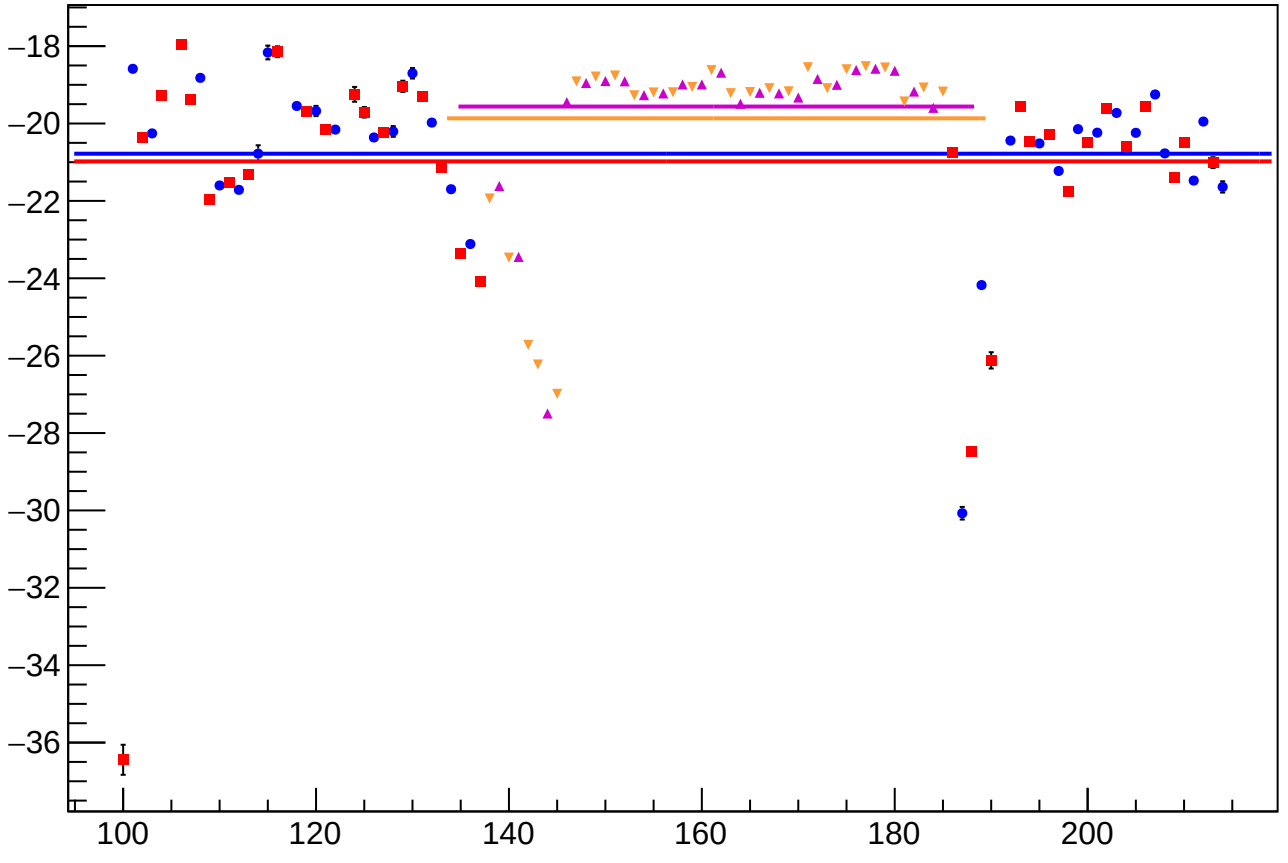
In: 64.571+/-0.159 χ^2/NDF:10717.3/52

Out: 66.650+/-0.152 χ^2/NDF:15699.8/57

All: 65.656+/-0.110 χ^2/NDF: 26506.7/110


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 0.691+/-0.322 χ²/NDF: 449.5/29
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 0.326+/-0.320 χ²/NDF: 397.6/32
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 0.508+/-0.227 χ²/NDF: 847.8/62
In: 7.735+/-0.155 χ²/NDF:2065.5/52
Out: 7.560+/-0.151 χ²/NDF:2546.9/57
All: 7.645+/-0.108 χ²/NDF: 4613.1/110

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

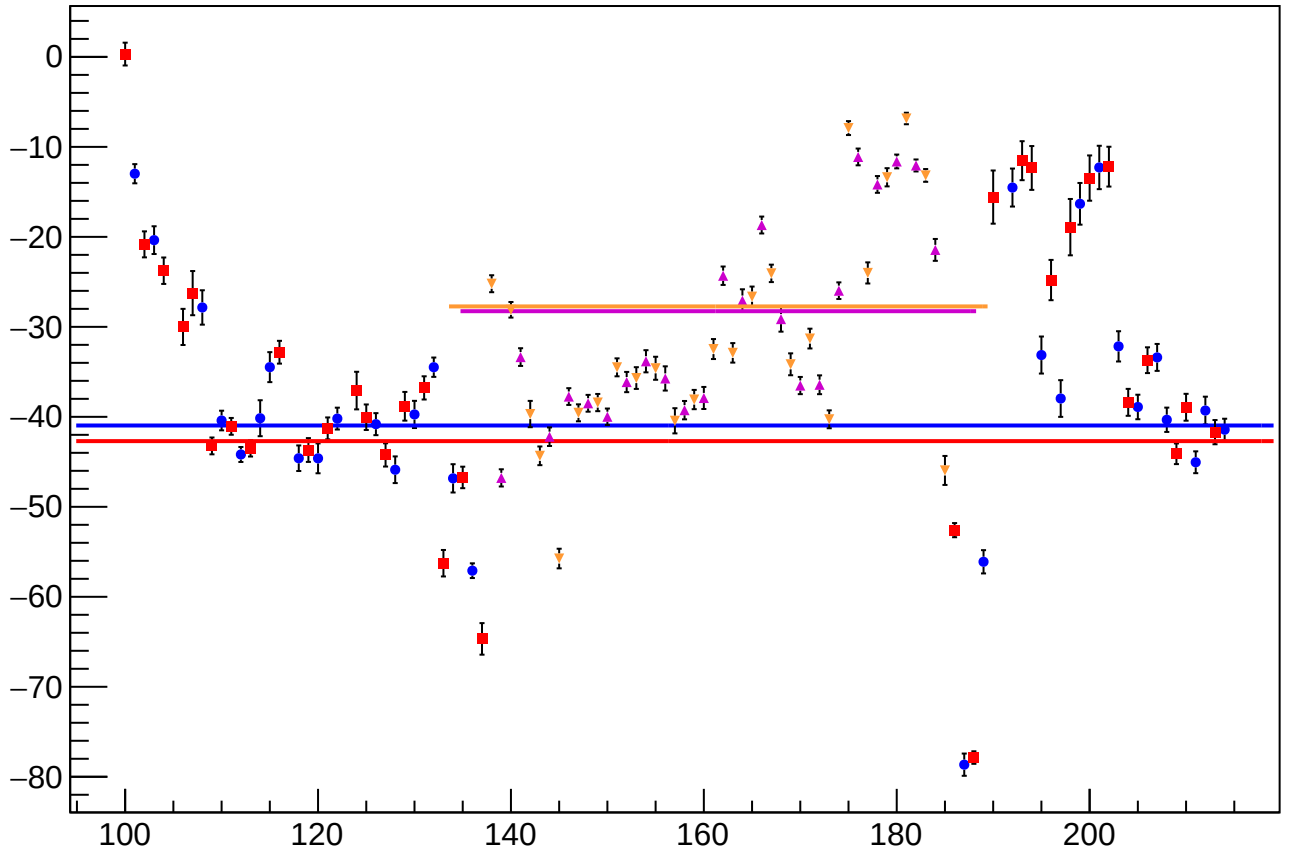
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.879+/-0.011 χ^2/NDF: 33433.3/62

In: -19.811+/-0.007 χ^2/NDF:62638.1/52

Out: -20.086+/-0.007 χ^2/NDF:103561.2/57

All: -19.950+/-0.005 χ^2/NDF: 166955.4/110



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

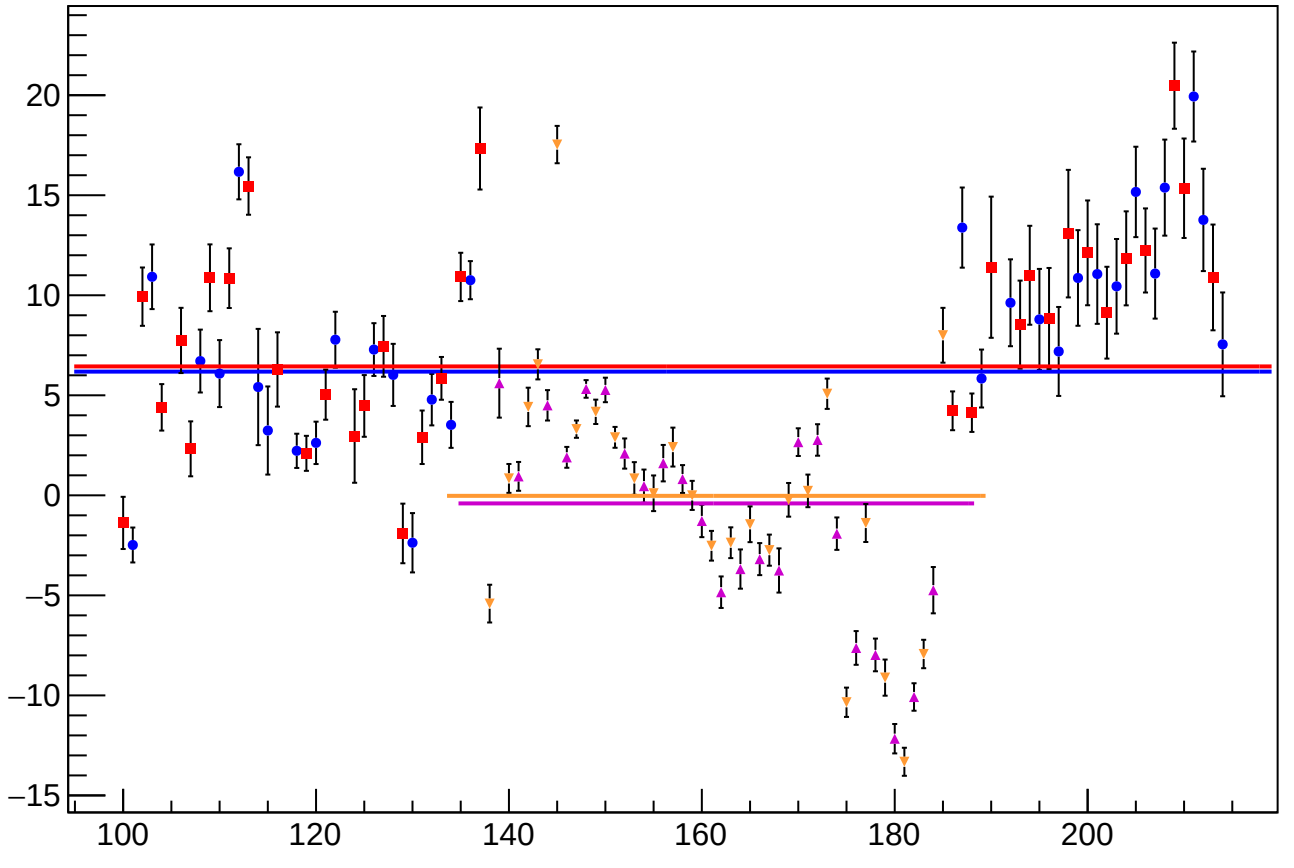
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.890+/-0.169 χ^2/NDF: 8643.7/62

In: -33.459+/-0.158 χ^2/NDF:7698.2/52

Out: -34.165+/-0.152 χ^2/NDF:12335.6/57

All: -33.828+/-0.110 χ^2/NDF: 20044.2/110



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

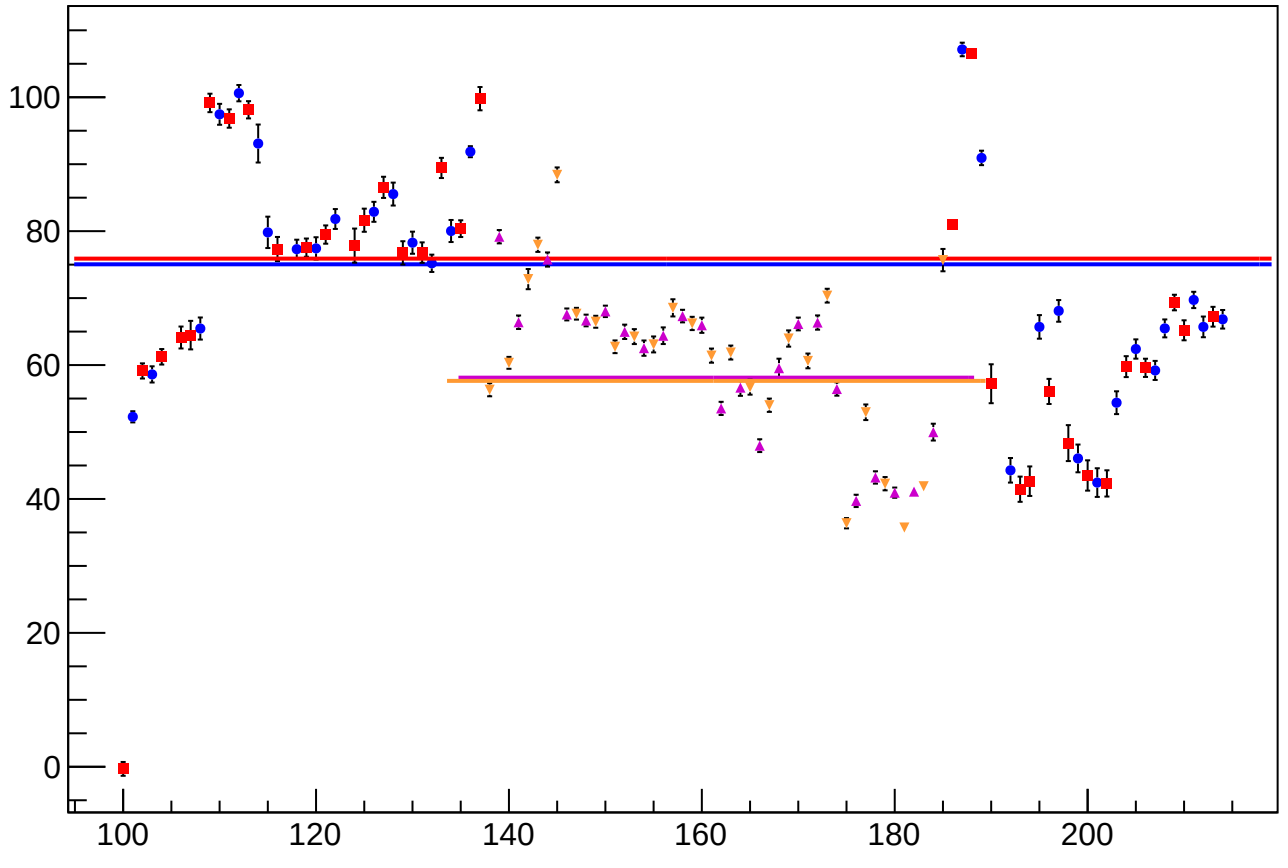
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 6.320+/-0.192 χ^2/NDF: 689.5/62

In: 1.159+/-0.136 χ^2/NDF:1878.8/52

Out: 1.545+/-0.131 χ^2/NDF:2302.0/57

All: 1.359+/-0.094 χ^2/NDF: 4185.0/110



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

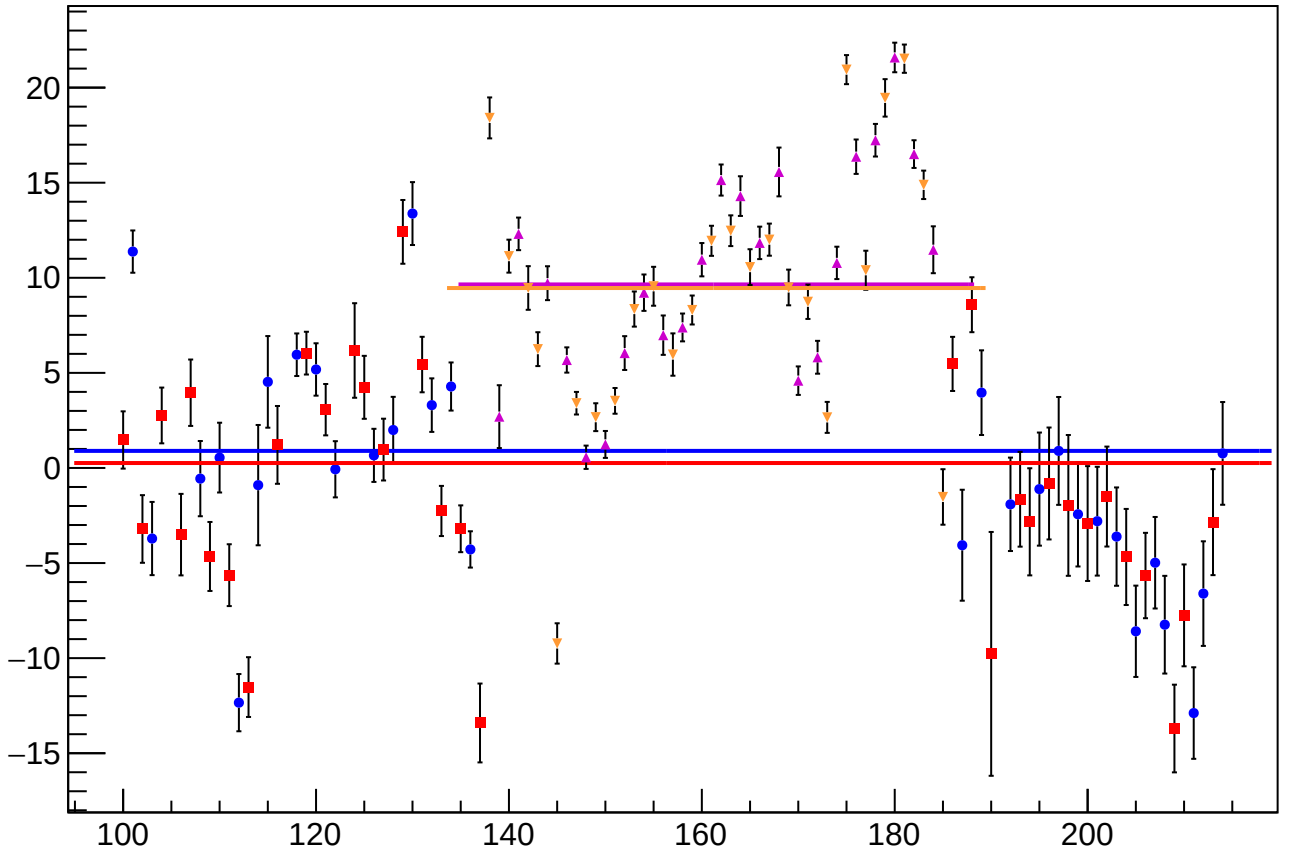
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

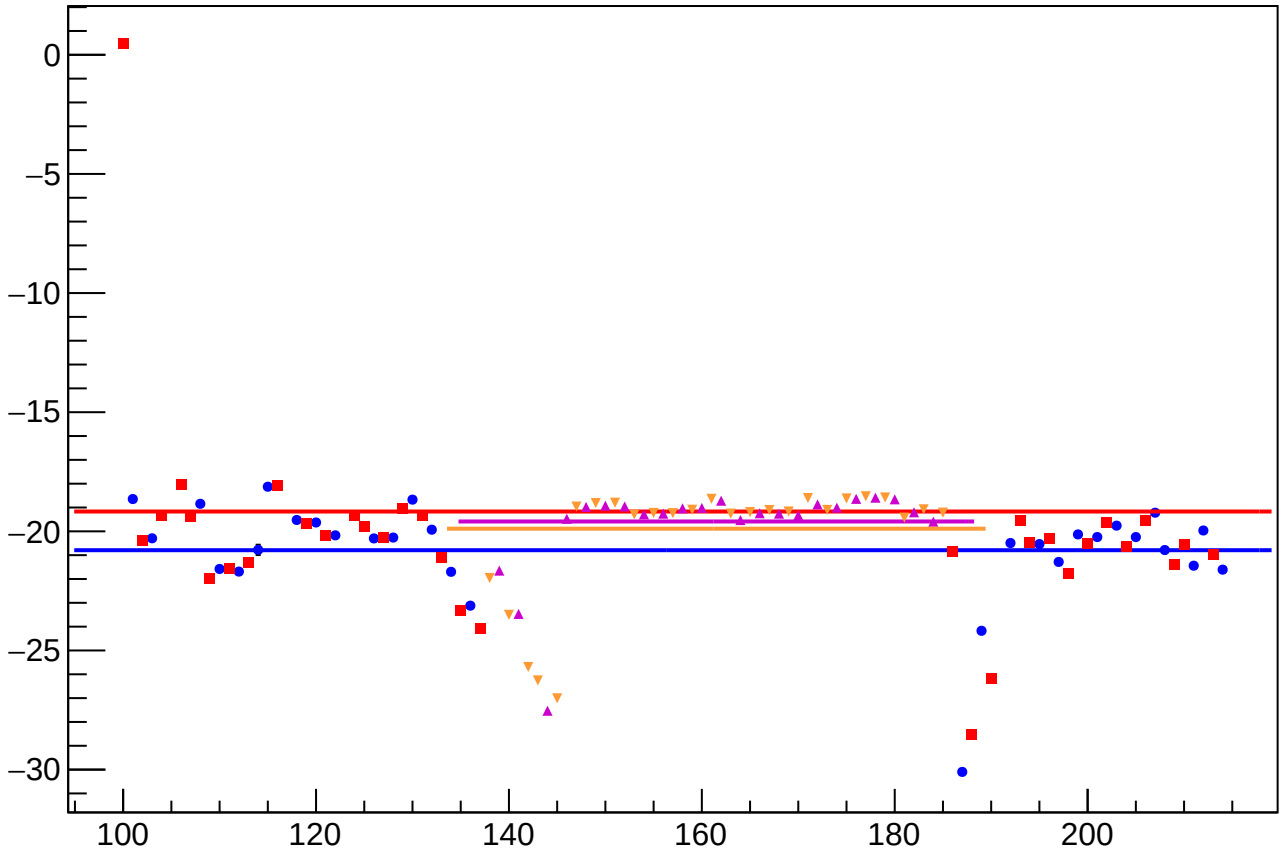
Right: 75.514+/-0.170 χ^2/NDF: 16452.8/62

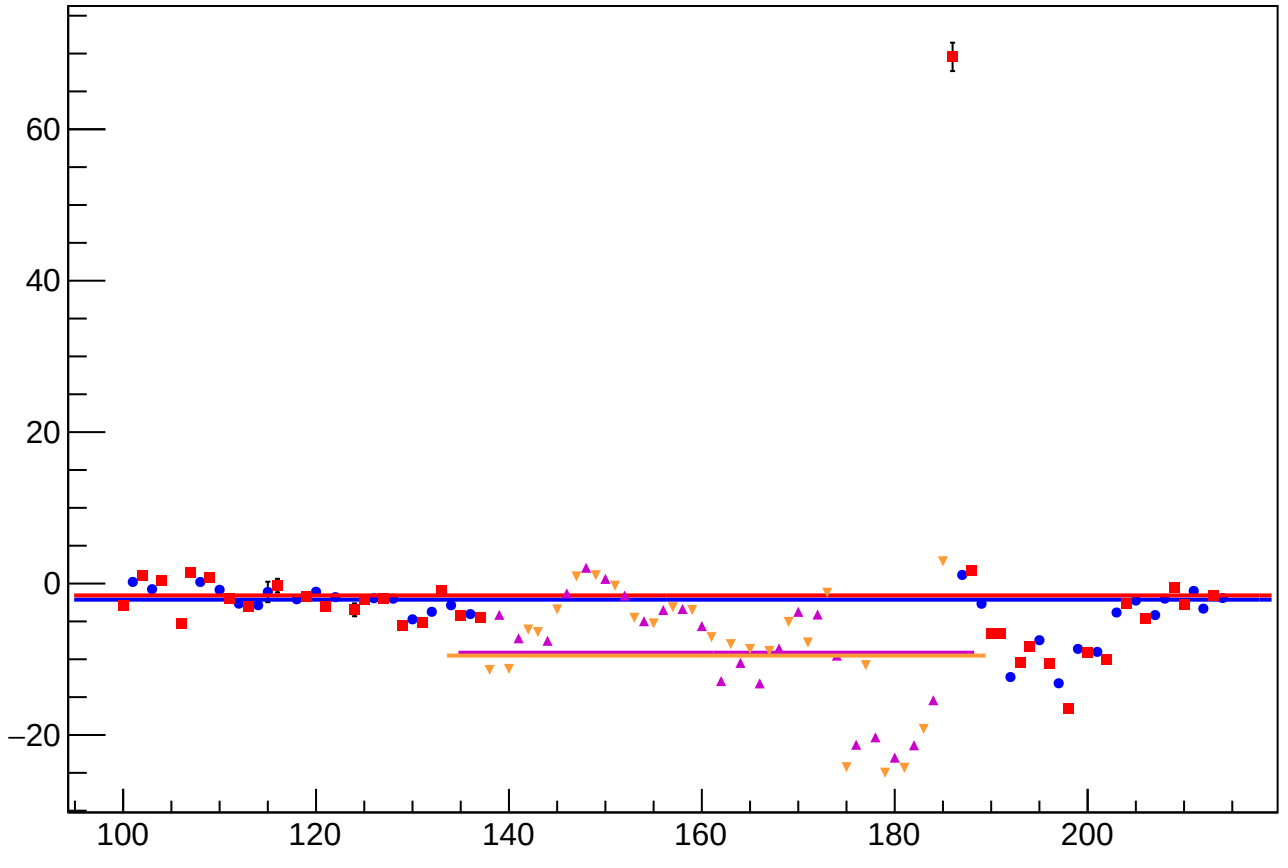
In: 64.764+/-0.159 χ^2/NDF:10786.7/52

Out: 65.481+/-0.151 χ^2/NDF:20031.2/57

All: 65.142+/-0.109 χ^2/NDF: 30828.6/110


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: 0.898+/-0.322 χ²/NDF: 389.8/29
Left Out: 9.461+/-0.172 χ²/NDF:1483.1/24
Right Out: 0.260+/-0.314 χ²/NDF: 364.9/32
Left In: 9.650+/-0.177 χ²/NDF:1078.5/22
Left: 9.553+/-0.123 χ²/NDF: 2562.3/47
Right: 0.570+/-0.225 χ²/NDF: 756.8/62
In: 7.628+/-0.155 χ²/NDF:2035.7/52
Out: 7.339+/-0.151 χ²/NDF:2510.7/57
All: 7.479+/-0.108 χ²/NDF: 4548.2/110


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
120
140
160
180
200
Right In: -20.792+/-0.016 χ²/NDF: 12533.2/29
Left Out: -19.889+/-0.008 χ²/NDF:78512.6/24
Right Out: -19.168+/-0.015 χ²/NDF: 172633.1/32
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.953+/-0.011 χ²/NDF: 190694.8/62
In: -19.833+/-0.007 χ²/NDF:62312.1/52
Out: -19.736+/-0.007 χ²/NDF:252919.0/57
All: -19.784+/-0.005 χ²/NDF: 315326.7/110



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

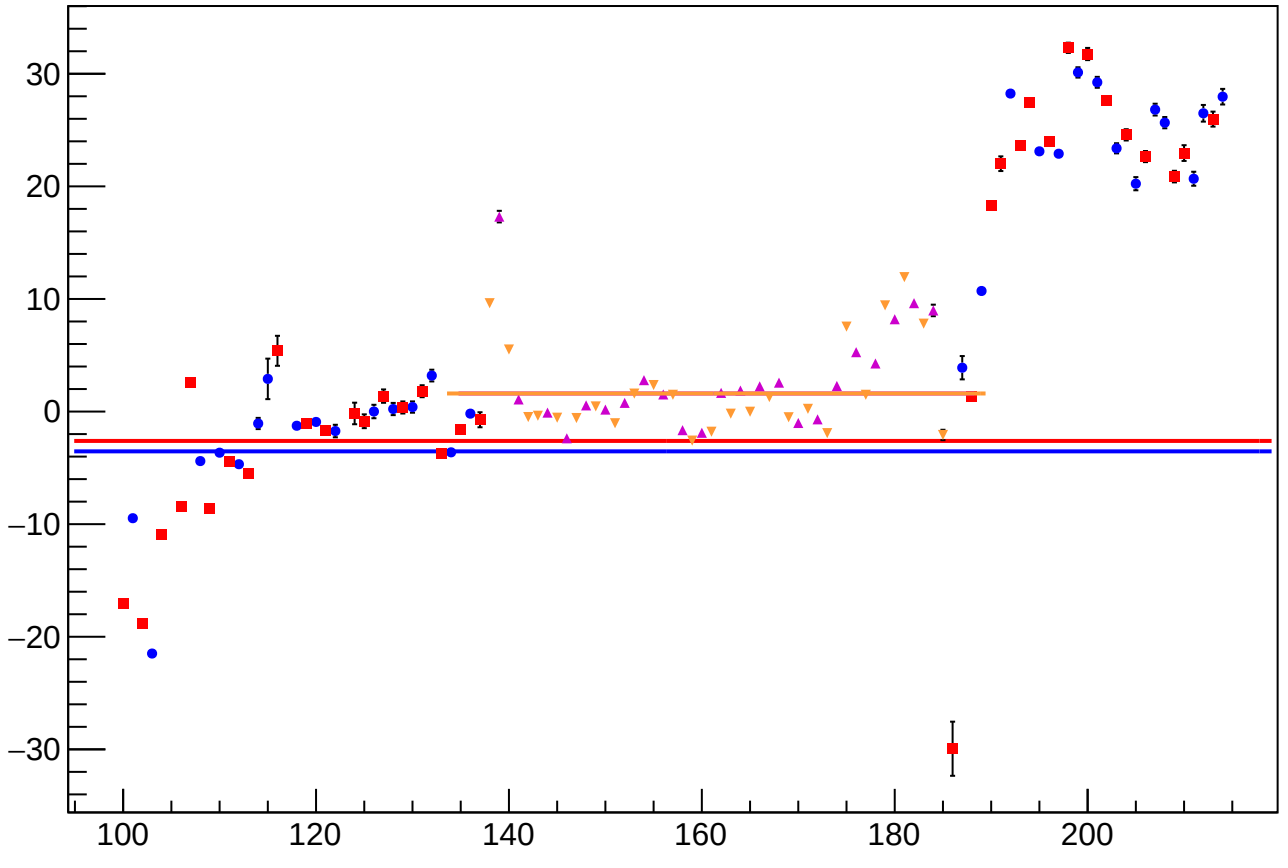
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.827+/-0.033 χ^2/NDF: 10407.9/63

In: -4.155+/-0.040 χ^2/NDF:19988.4/52

Out: -3.728+/-0.038 χ^2/NDF:28595.2/58

All: -3.929+/-0.028 χ^2/NDF: 48643.2/111



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

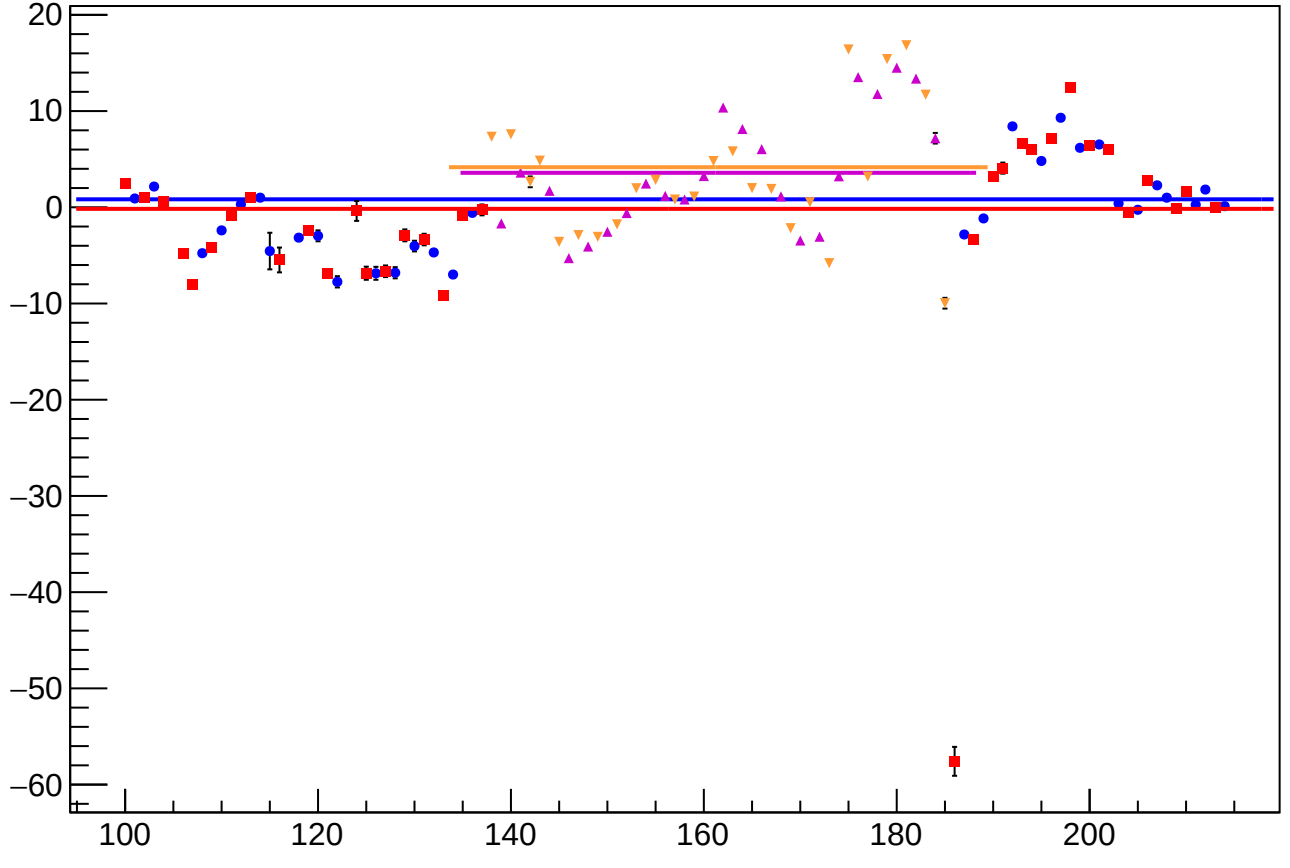
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -3.066+/-0.037 χ^2/NDF: 135366.2/63

In: -1.219+/-0.039 χ^2/NDF:74608.0/52

Out: -0.640+/-0.038 χ^2/NDF:76404.0/58

All: -0.922+/-0.027 χ^2/NDF: 151127.2/111



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

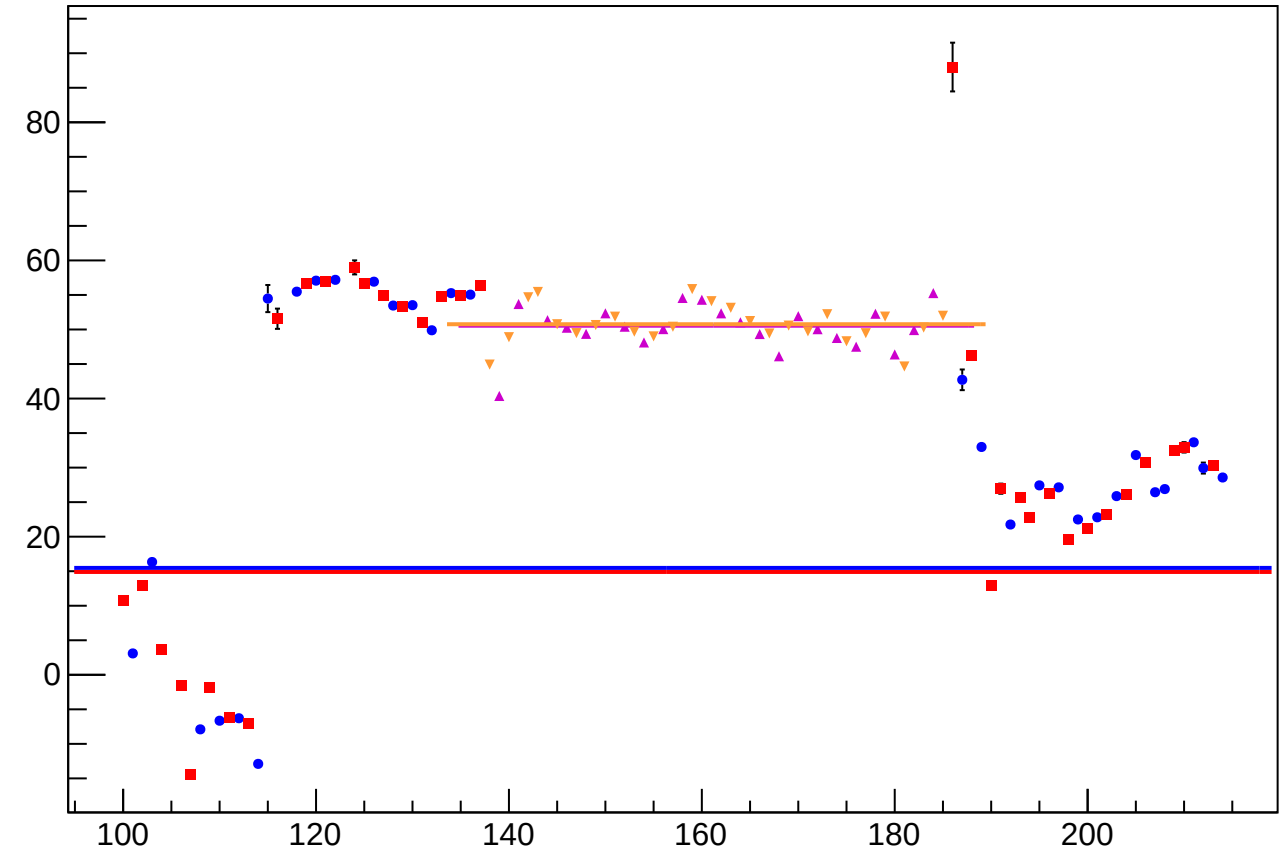
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.320+/-0.032 χ^2/NDF: 12650.1/63

In: 1.600+/-0.039 χ^2/NDF:12412.2/52

Out: 1.045+/-0.038 χ^2/NDF:20073.3/58

All: 1.315+/-0.027 χ^2/NDF: 32588.8/111



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

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

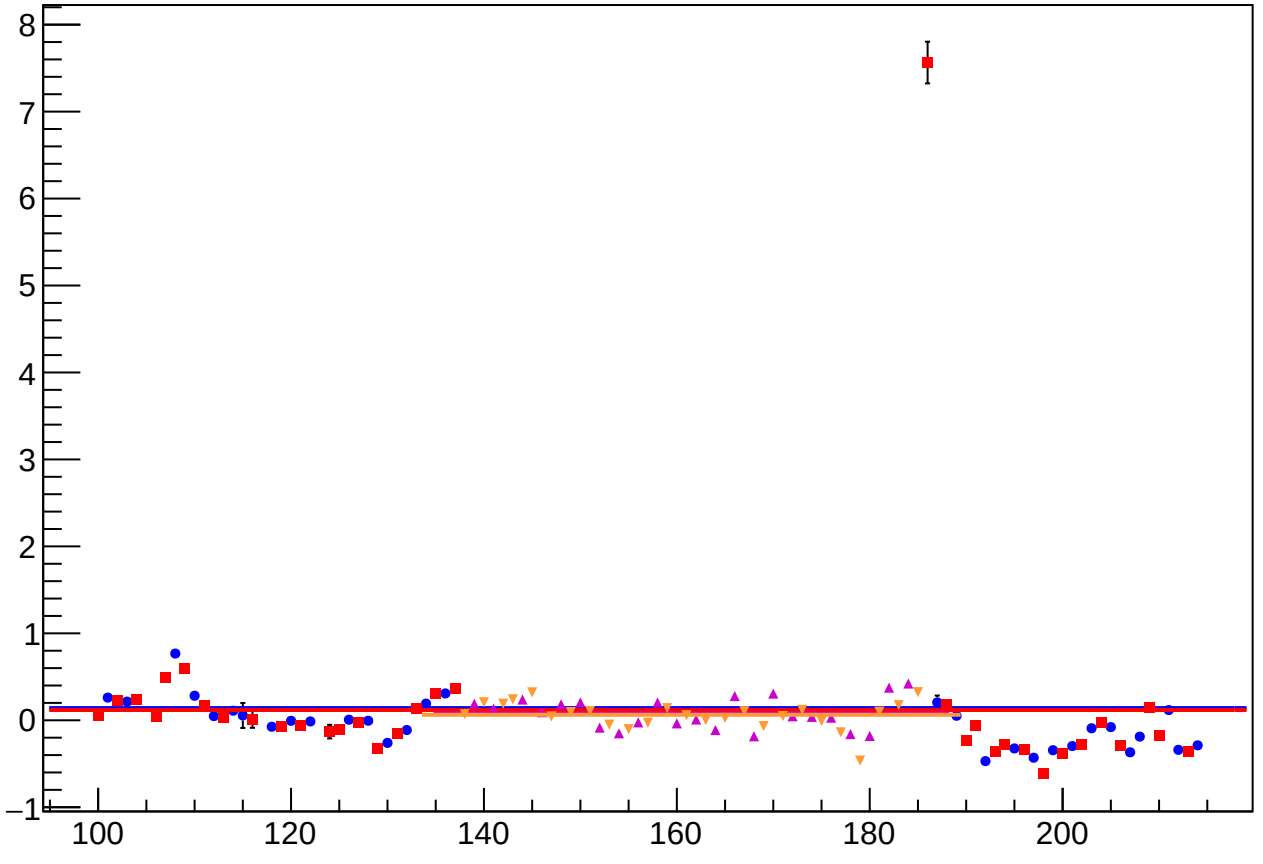
Right: 15.182+/-0.044 χ^2/NDF: 249165.6/63

In: 32.224+/-0.045 χ^2/NDF:271188.0/52

Out: 32.463+/-0.044 χ^2/NDF:302972.2/58

All: 32.346+/-0.031 χ^2/NDF: 574174.8/111

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

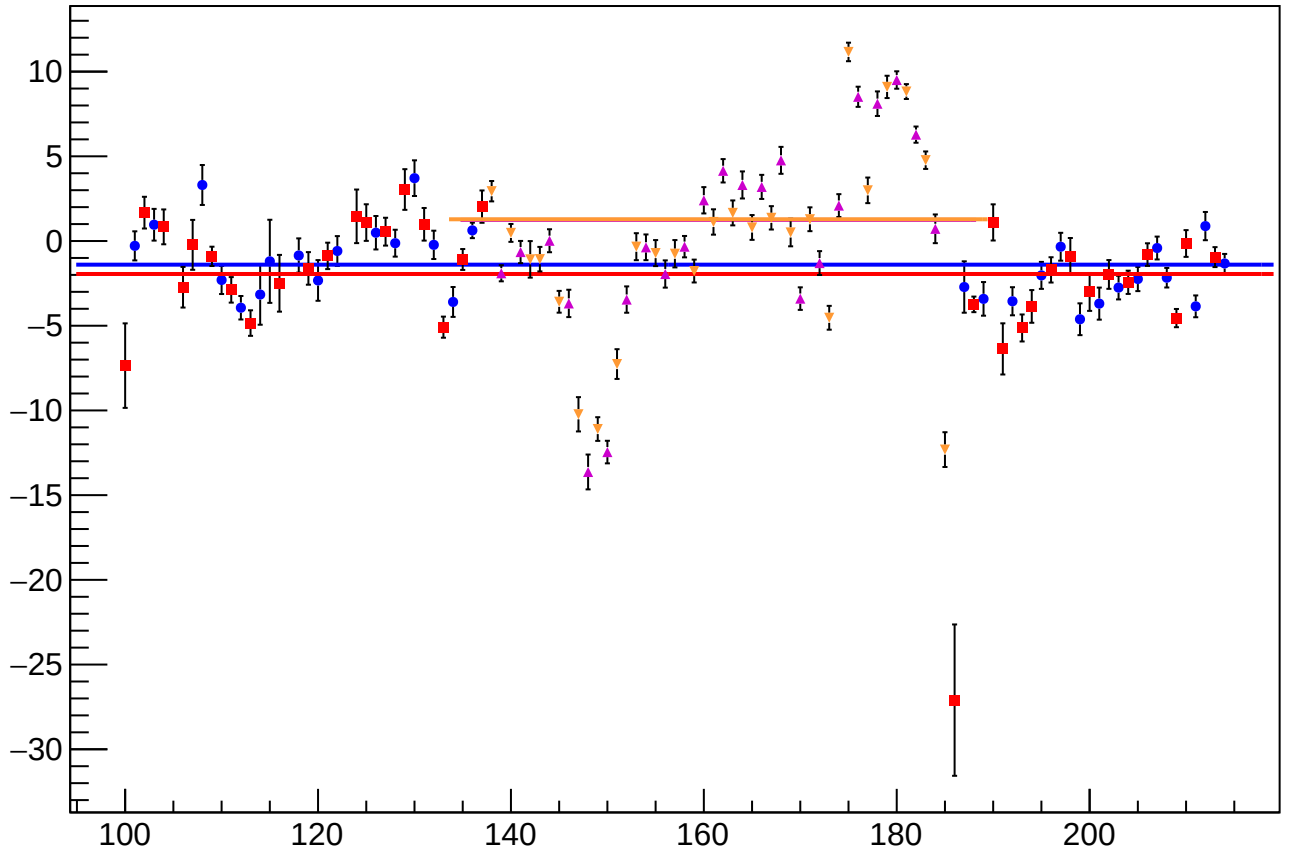
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.129+/-0.002 χ^2/NDF: 27043.2/63

In: 0.114+/-0.002 χ^2/NDF:17506.9/52

Out: 0.095+/-0.002 χ^2/NDF:15996.7/58

All: 0.105+/-0.001 χ^2/NDF: 33557.5/111



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

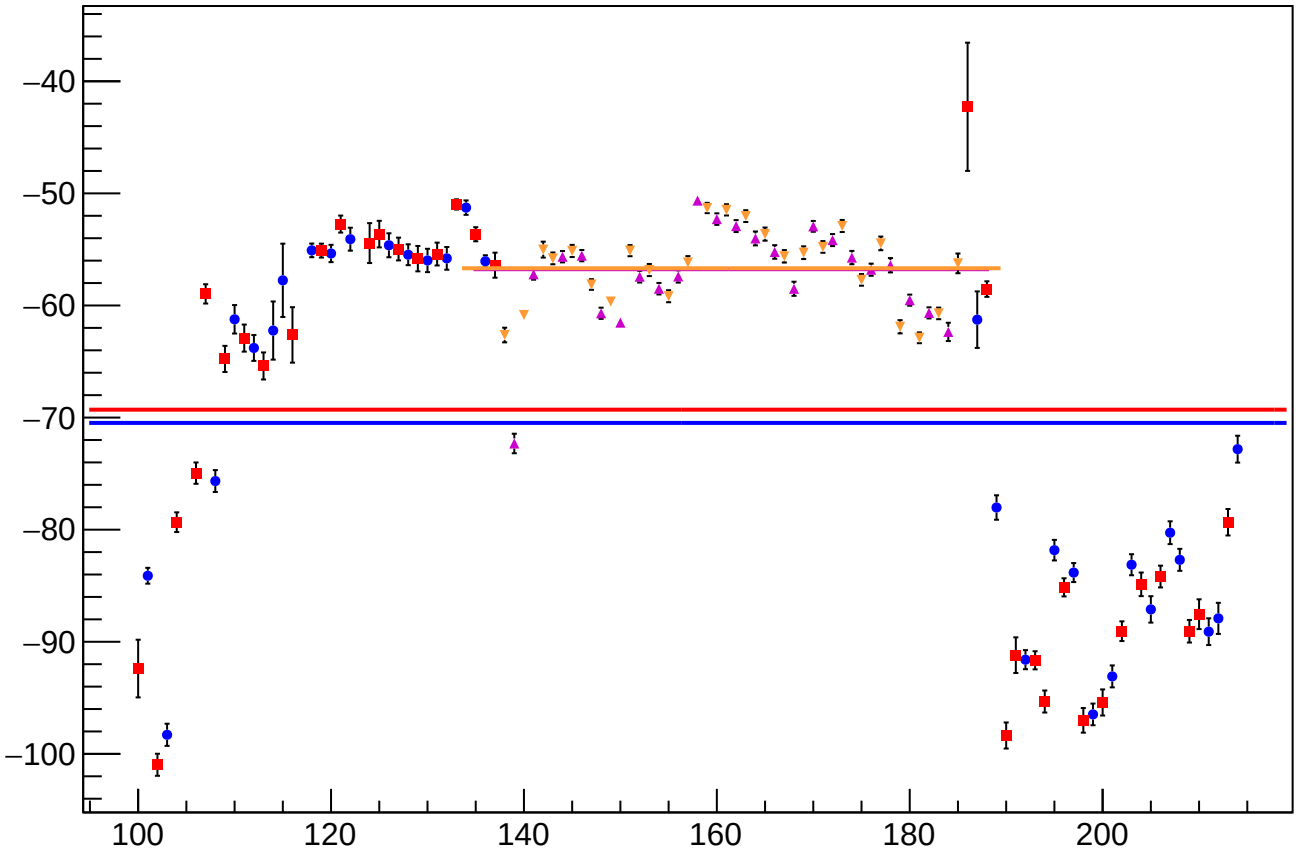
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.683+/-0.102 χ^2/NDF: 432.6/63

In: -0.005+/-0.102 χ^2/NDF:1841.6/52

Out: -0.277+/-0.098 χ^2/NDF:2247.9/58

All: -0.145+/-0.071 χ^2/NDF: 4093.2/111



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

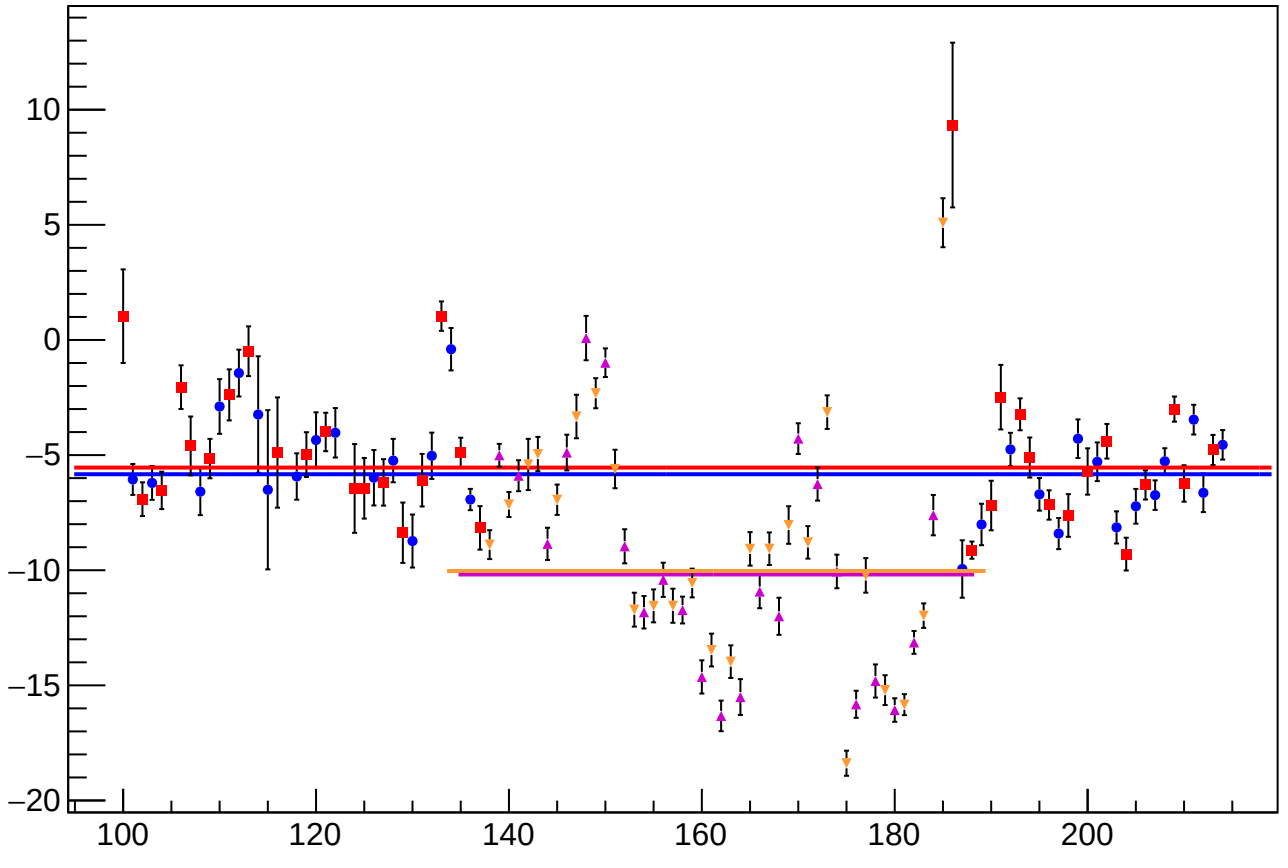
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -69.851+/-0.118 χ^2/NDF: 19774.3/63

In: -60.837+/-0.094 χ^2/NDF:14015.8/52

Out: -60.505+/-0.089 χ^2/NDF:16508.9/58

All: -60.663+/-0.065 χ^2/NDF: 30531.2/111



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

Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

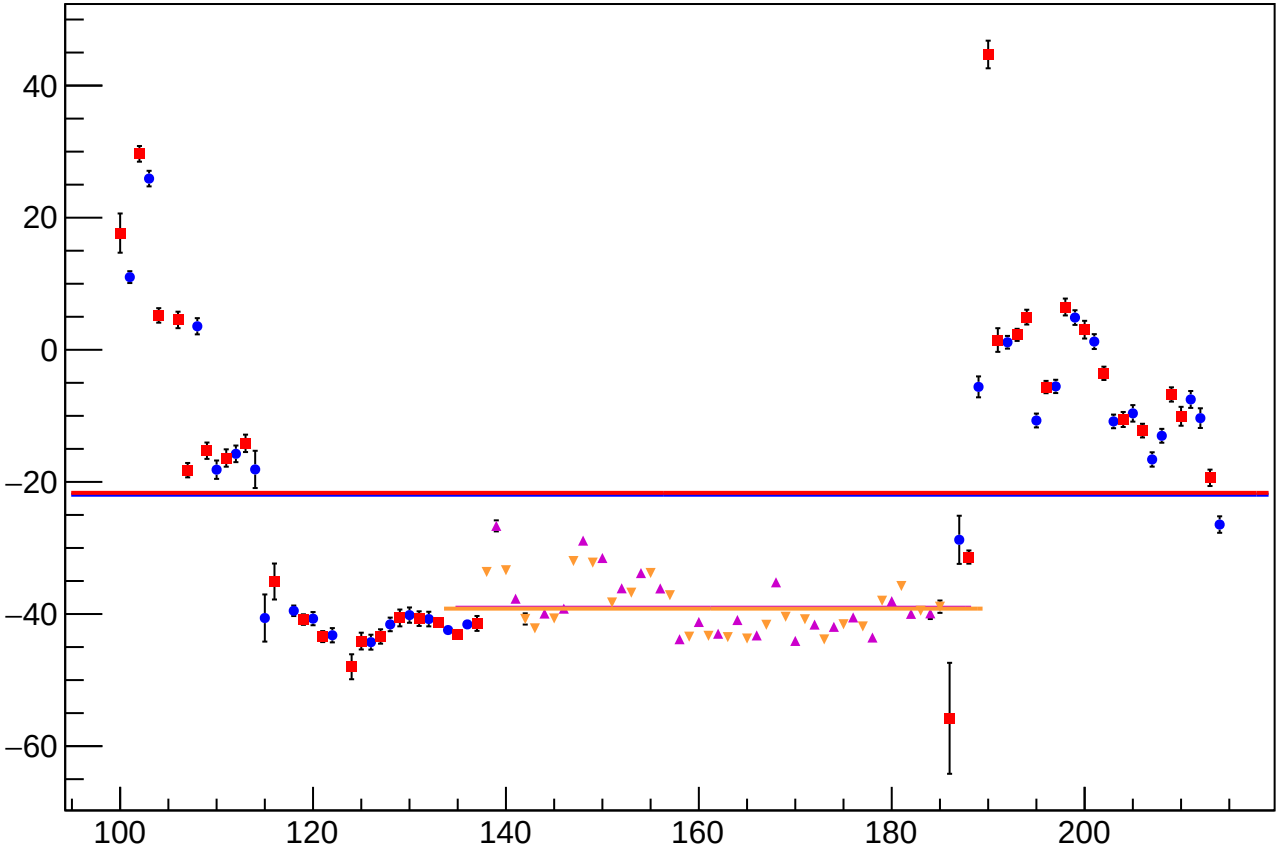
Right: -5.679+/-0.102 χ^2/NDF: 534.8/63

In: -8.150+/-0.102 χ^2/NDF:1753.7/52

Out: -7.864+/-0.098 χ^2/NDF:2086.9/58

All: -8.002+/-0.070 χ^2/NDF: 3844.7/111

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

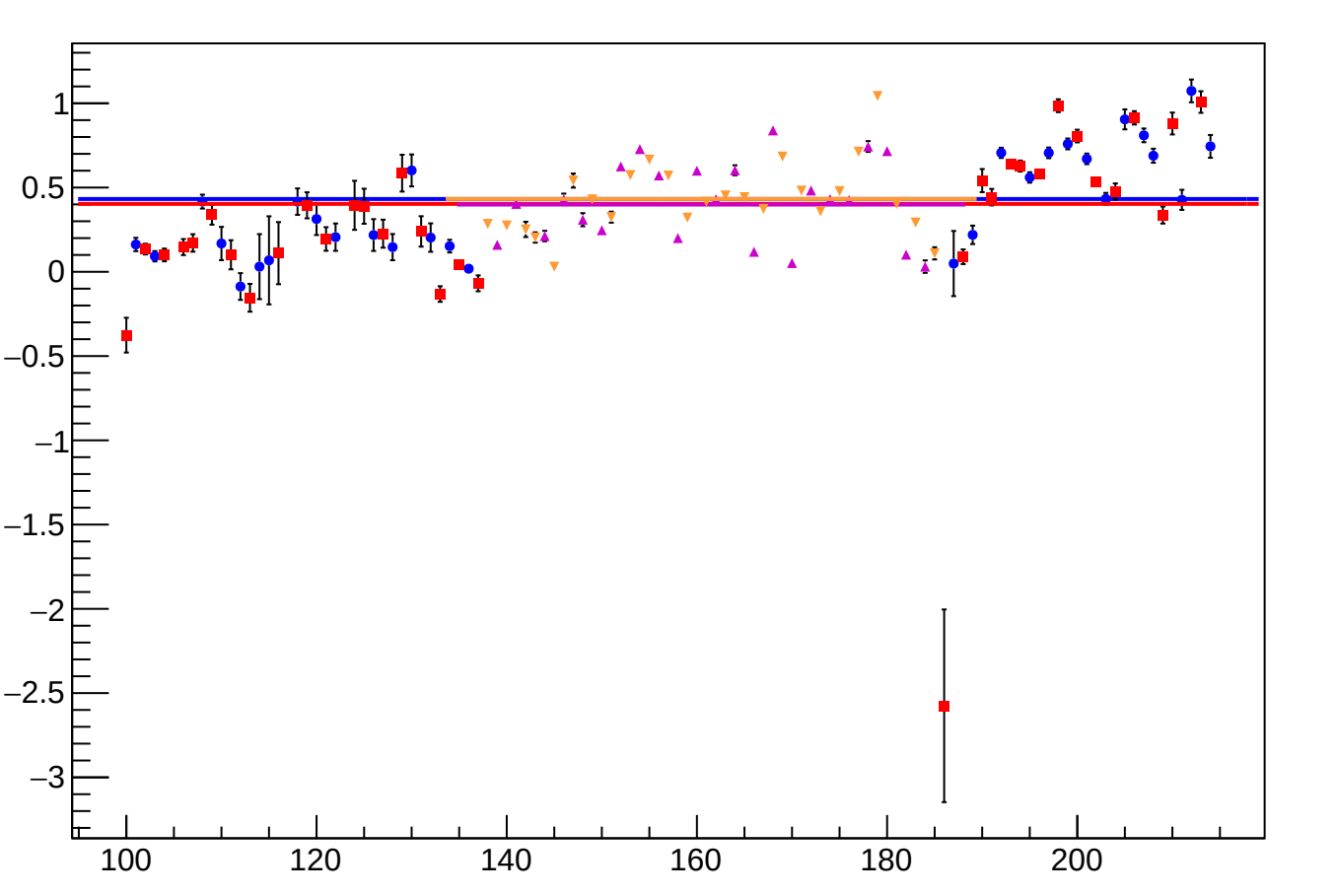
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -21.791+/-0.136 χ^2/NDF: 23675.5/63

In: -34.124+/-0.105 χ^2/NDF:17406.0/52

Out: -34.116+/-0.101 χ^2/NDF:20147.6/58

All: -34.120+/-0.073 χ^2/NDF: 37553.6/111



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

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

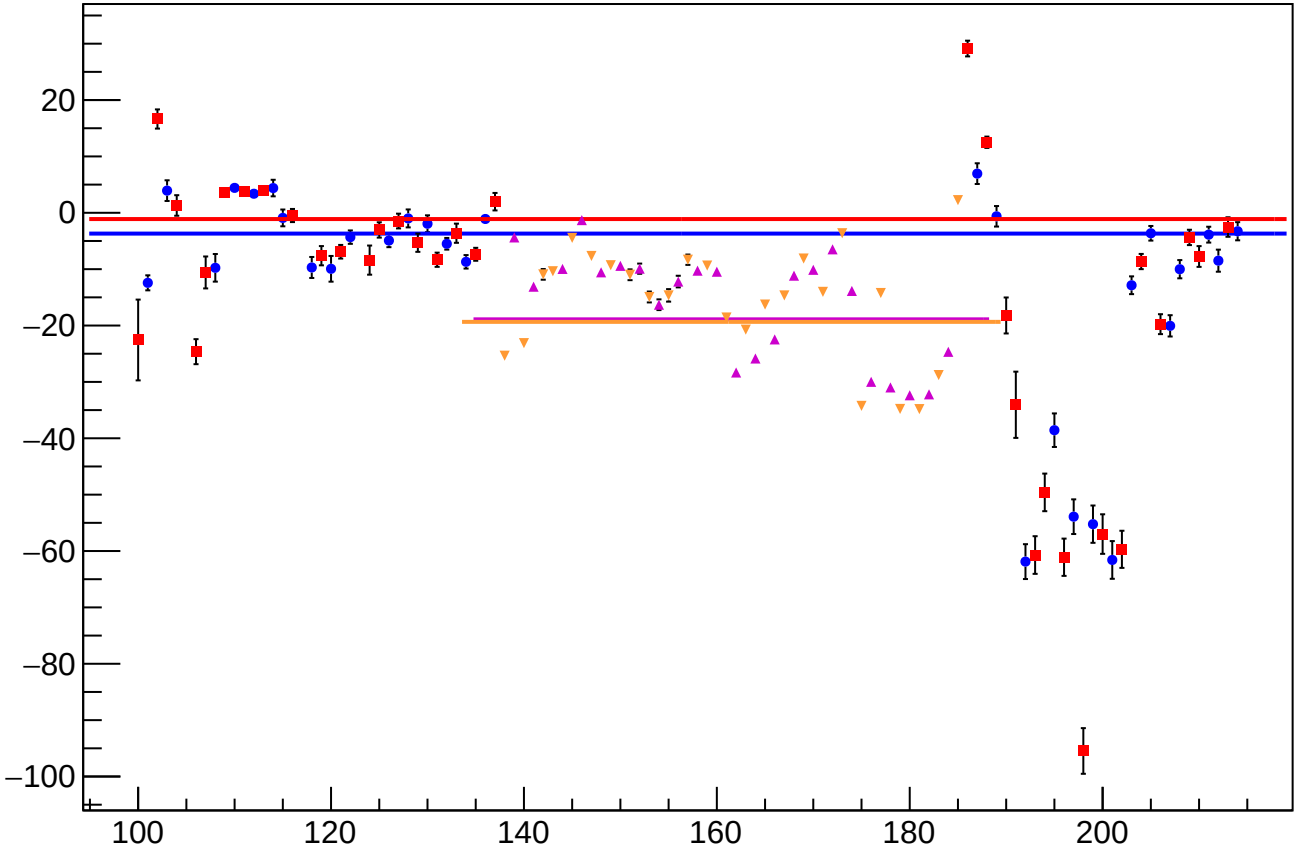
Right: 0.417+/-0.006 χ^2/NDF: 3028.4/63

In: 0.409+/-0.004 χ^2/NDF:3273.1/52

Out: 0.423+/-0.004 χ^2/NDF:3062.1/58

All: 0.416+/-0.003 χ^2/NDF: 6340.6/111

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

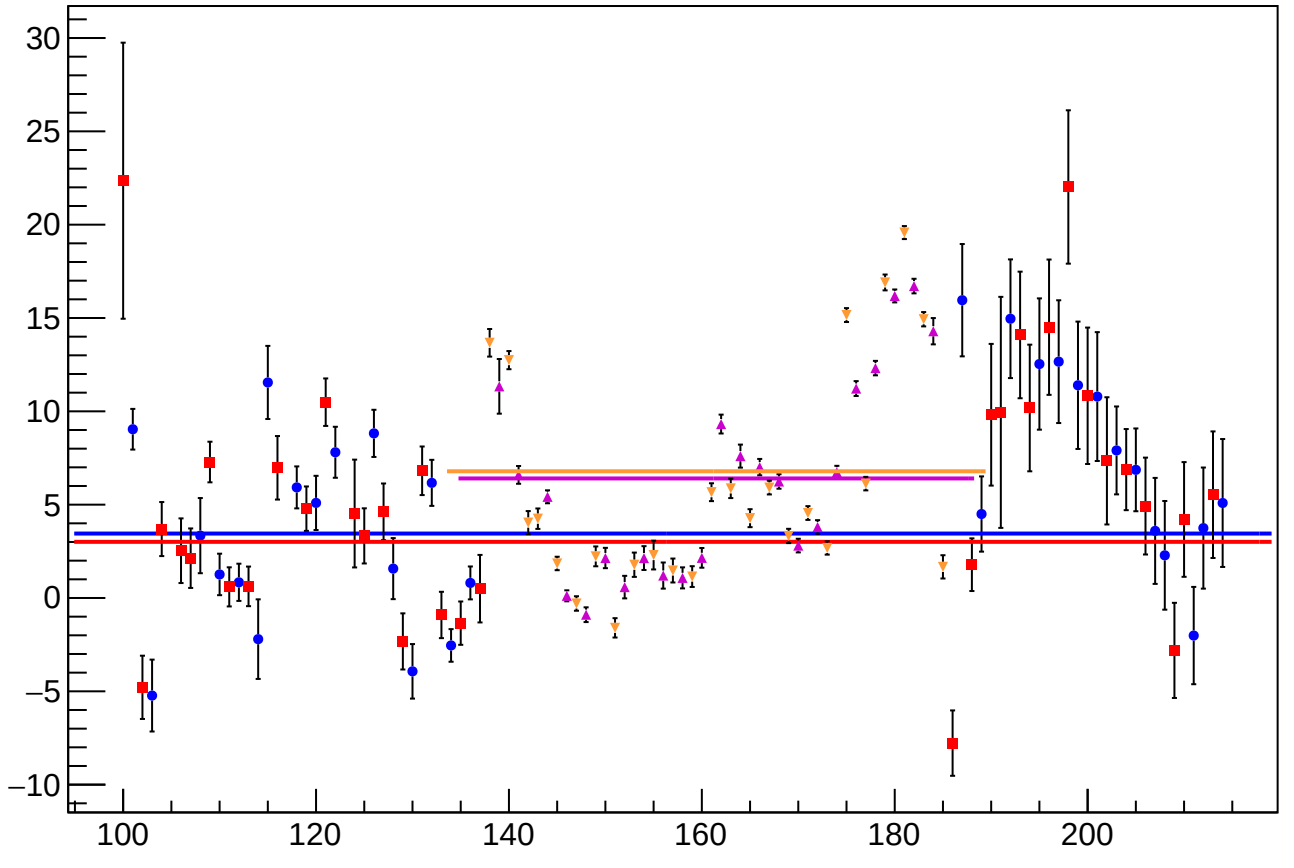
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

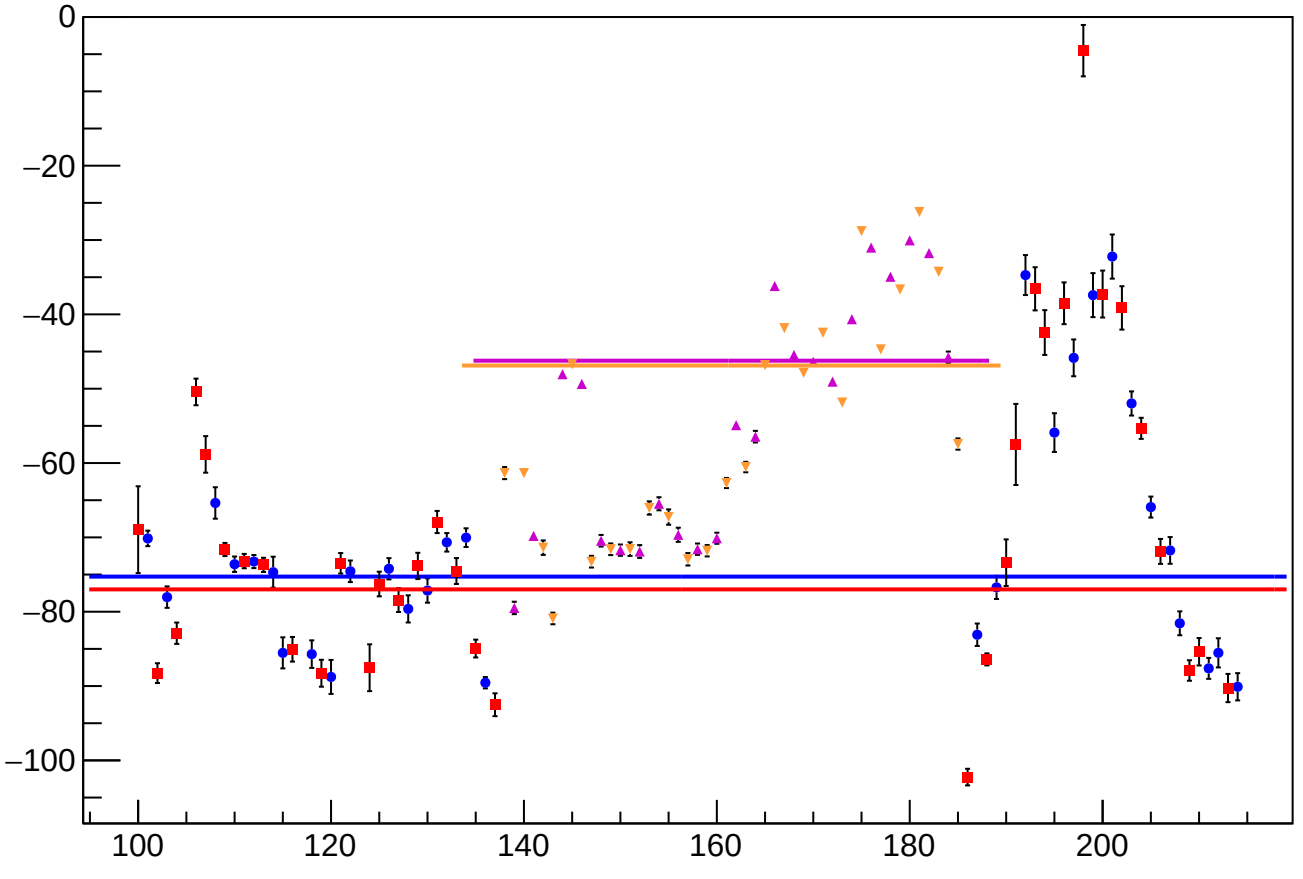
Right: -2.338+/-0.169 χ^2/NDF: 5336.7/63

In: -16.117+/-0.105 χ^2/NDF:13312.3/52

Out: -15.876+/-0.102 χ^2/NDF:18714.4/58

All: -15.993+/-0.073 χ^2/NDF: 32029.3/111


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: 3.452+/-0.289 χ²/NDF: 269.4/29
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 3.009+/-0.292 χ²/NDF: 250.8/33
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 3.232+/-0.206 χ²/NDF: 521.4/63
In: 6.138+/-0.087 χ²/NDF:3774.5/52
Out: 6.459+/-0.086 χ²/NDF:5036.3/58
All: 6.300+/-0.061 χ²/NDF: 8817.7/111



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

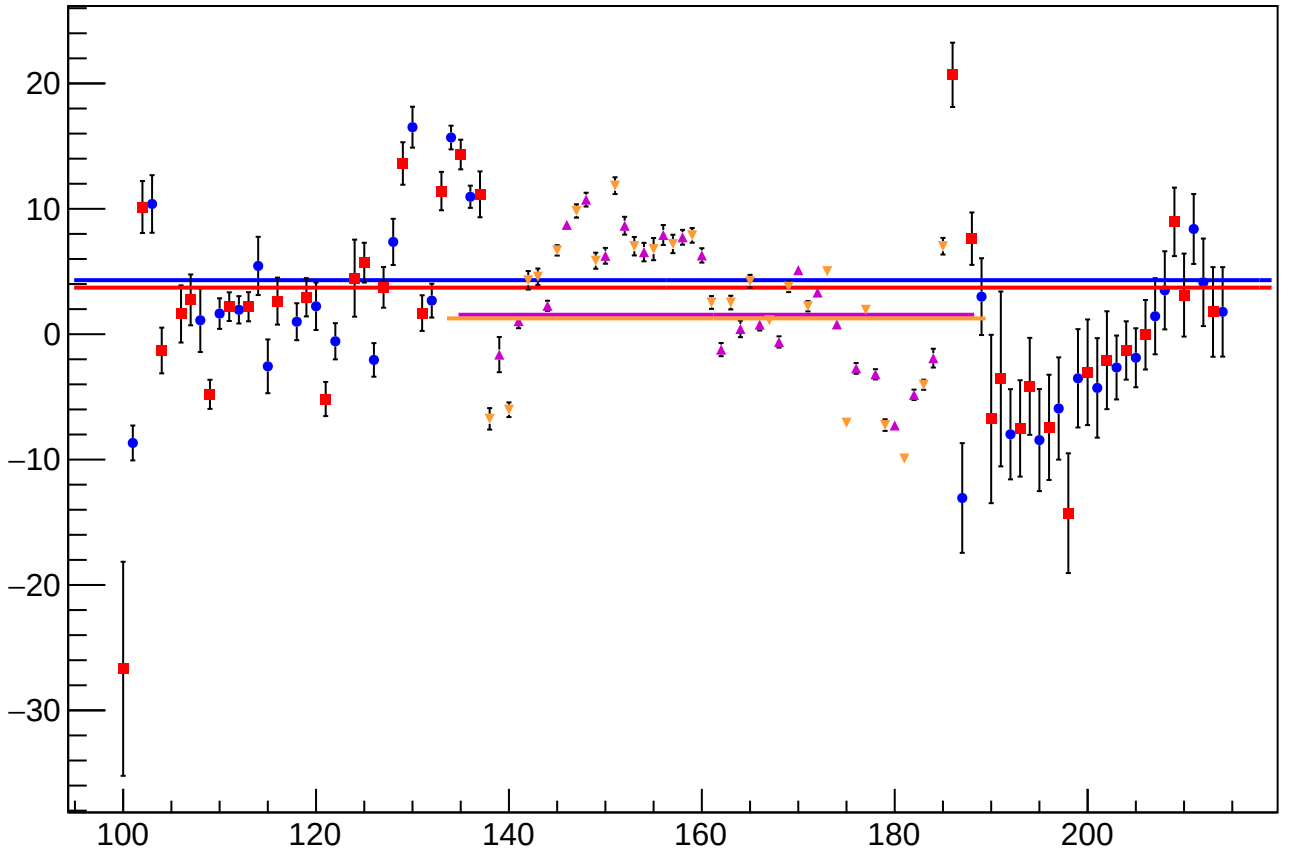
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -76.160+/-0.189 χ^2/NDF: 4830.8/63

In: -50.731+/-0.107 χ^2/NDF:26636.6/52

Out: -51.605+/-0.105 χ^2/NDF:31946.1/58

All: -51.177+/-0.075 χ^2/NDF: 58616.8/111



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

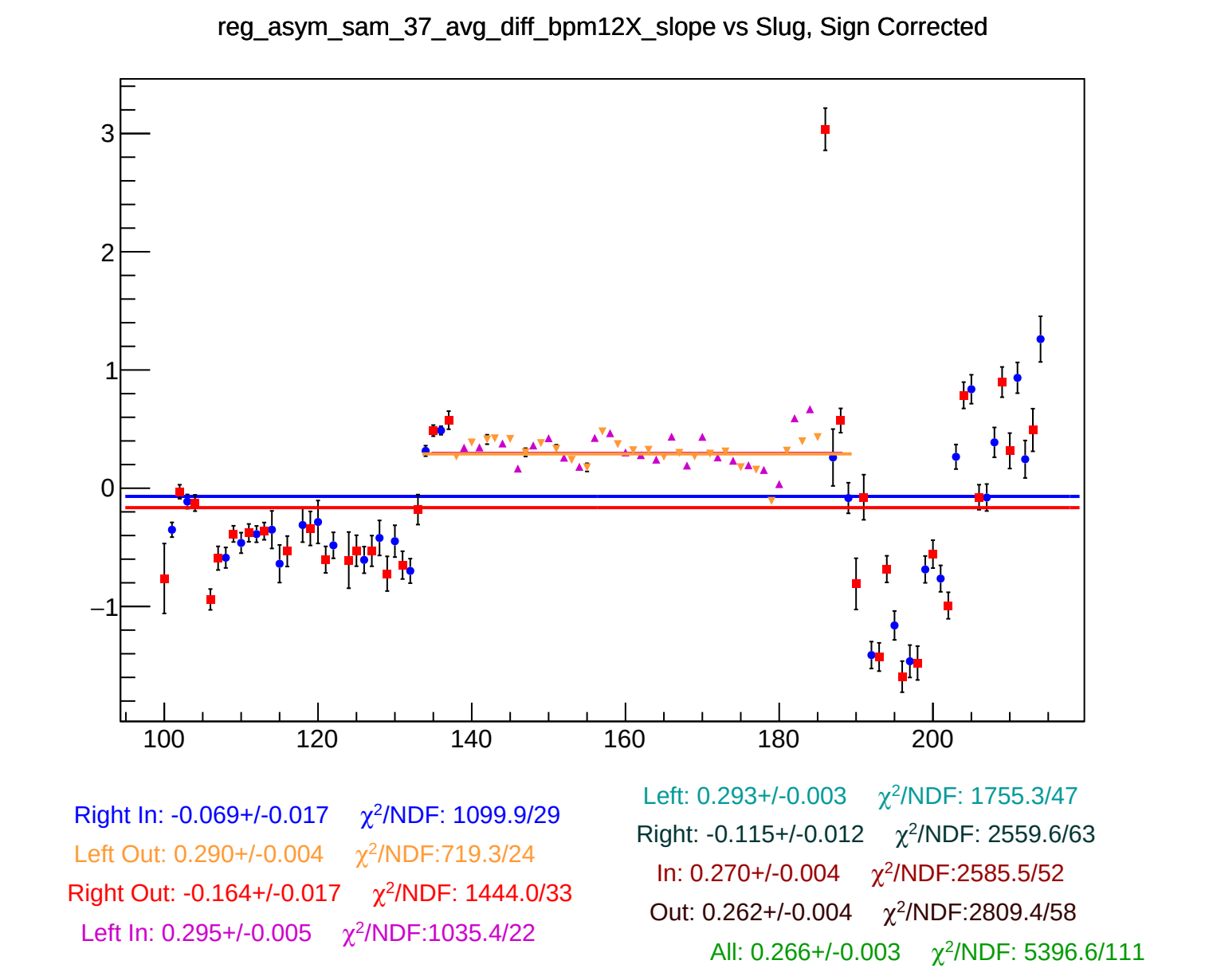
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

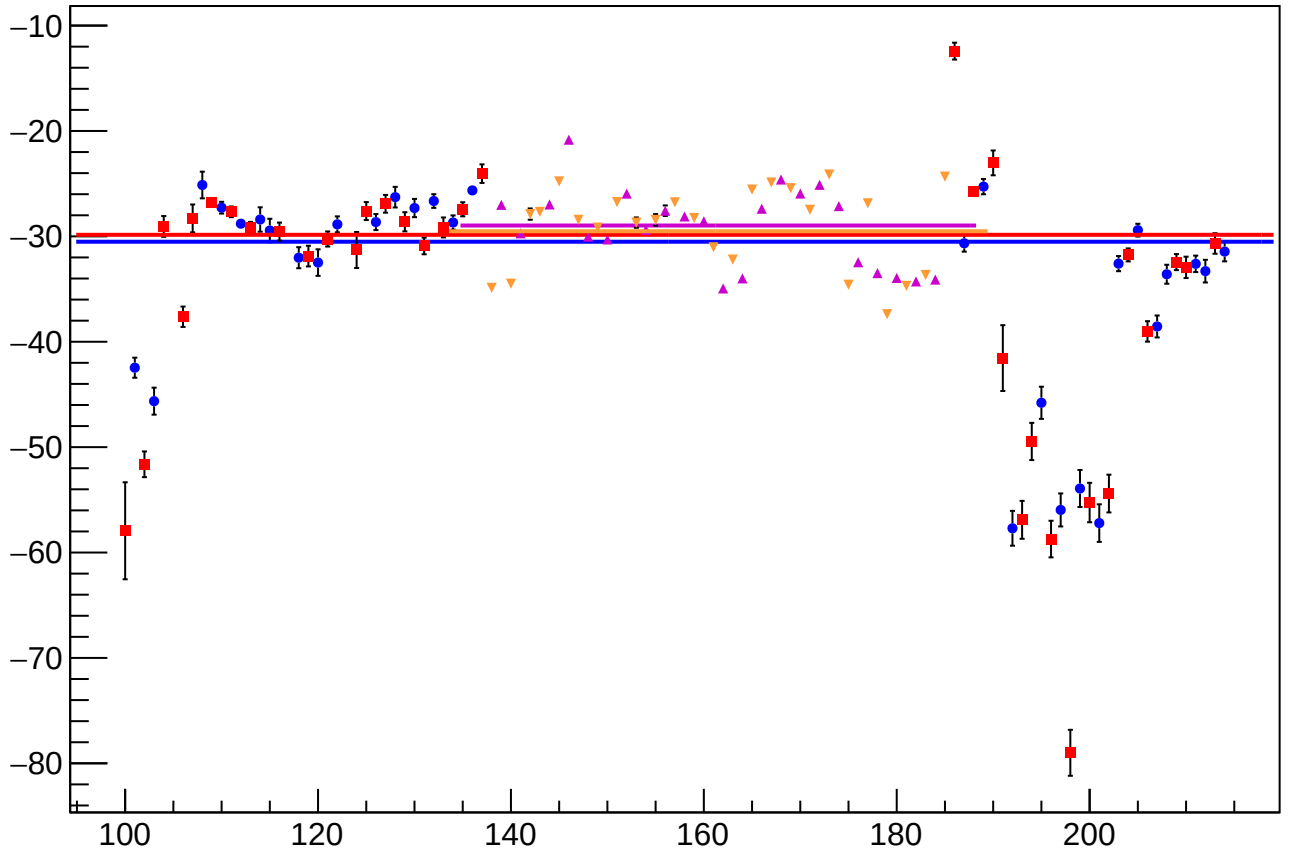
Right: 4.020+/-0.232 χ^2/NDF: 881.6/63

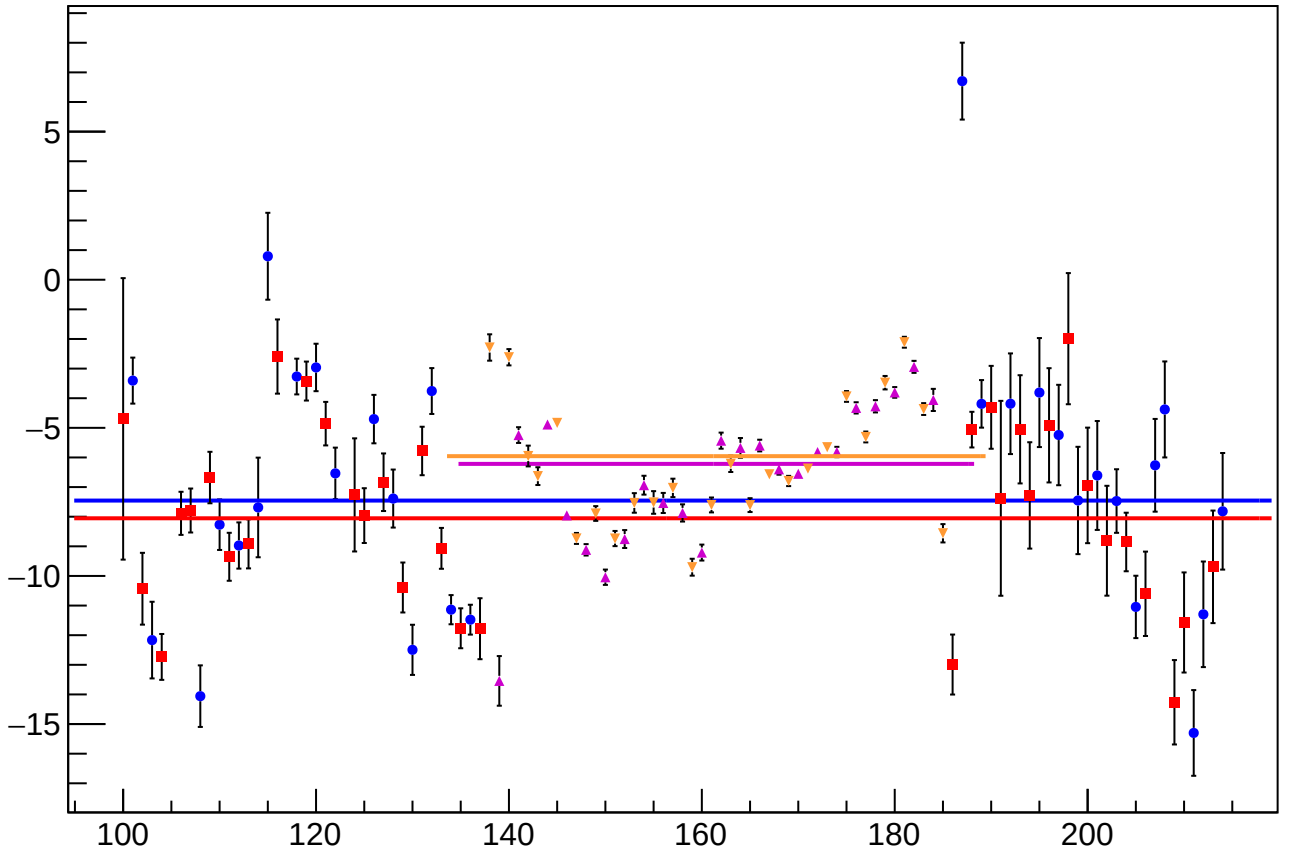
In: 1.799+/-0.097 χ^2/NDF:2889.8/52

Out: 1.467+/-0.096 χ^2/NDF:3887.3/58

All: 1.631+/-0.068 χ^2/NDF: 6783.0/111


reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.069+/-0.017 χ²/NDF: 1099.9/29
Left Out: 0.290+/-0.004 χ²/NDF:719.3/24
Right Out: -0.164+/-0.017 χ²/NDF: 1444.0/33
Left In: 0.295+/-0.005 χ²/NDF:1035.4/22
Left: 0.293+/-0.003 χ²/NDF: 1755.3/47
Right: -0.115+/-0.012 χ²/NDF: 2559.6/63
In: 0.270+/-0.004 χ²/NDF:2585.5/52
Out: 0.262+/-0.004 χ²/NDF:2809.4/58
All: 0.266+/-0.003 χ²/NDF: 5396.6/111


reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
100
120
140
160
180
200
Right In: -30.509+/-0.149 χ²/NDF: 1768.9/29
Left Out: -29.516+/-0.056 χ²/NDF:6088.5/24
Right Out: -29.852+/-0.145 χ²/NDF: 2805.8/33
Left In: -28.971+/-0.057 χ²/NDF:5348.6/22
Left: -29.247+/-0.040 χ²/NDF: 11483.3/47
Right: -30.172+/-0.104 χ²/NDF: 4584.6/63
In: -29.166+/-0.053 χ²/NDF:7209.9/52
Out: -29.560+/-0.053 χ²/NDF:8898.9/58
All: -29.366+/-0.037 χ²/NDF: 16136.5/111



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

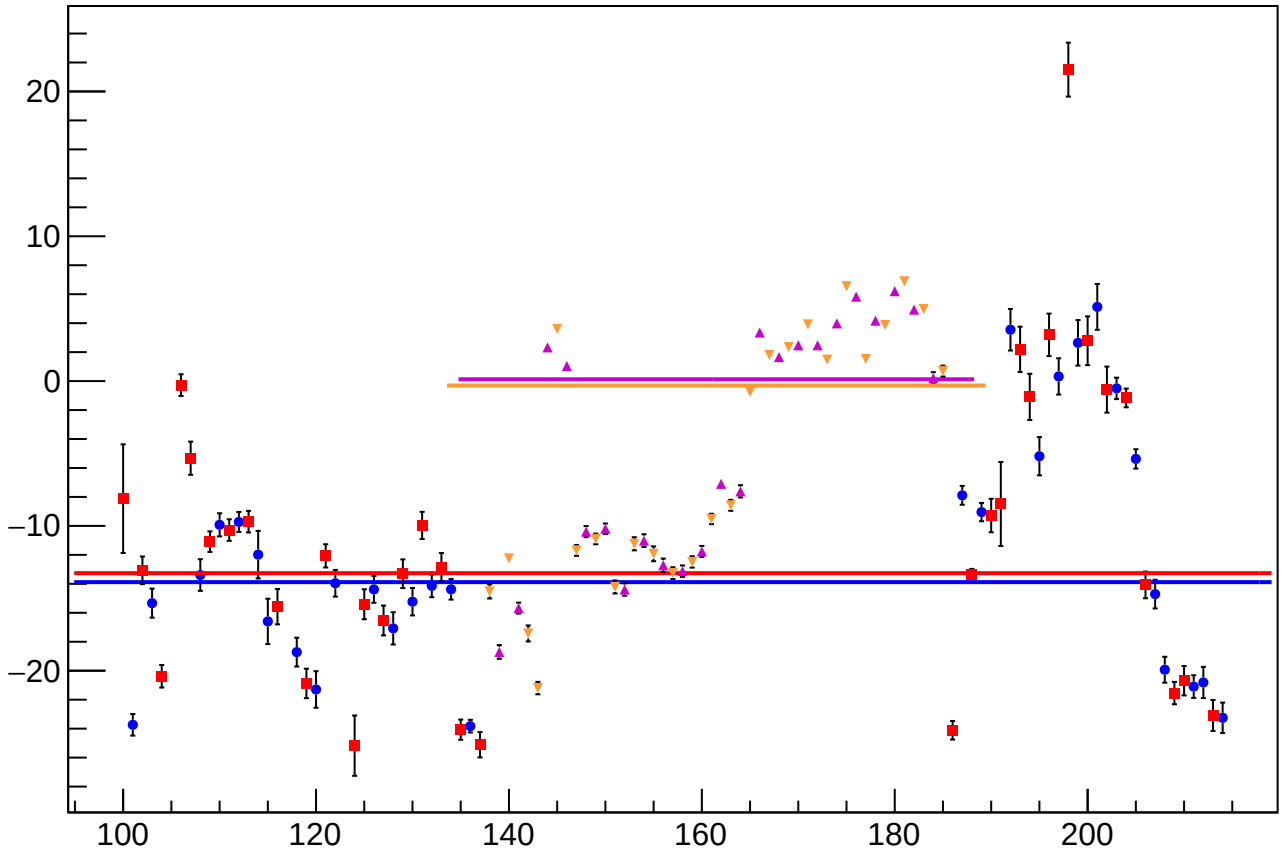
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.758+/-0.121 χ^2/NDF: 882.7/63

In: -6.293+/-0.043 χ^2/NDF:2372.2/52

Out: -6.090+/-0.043 χ^2/NDF:2294.4/58

All: -6.192+/-0.030 χ^2/NDF: 4677.8/111



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

Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

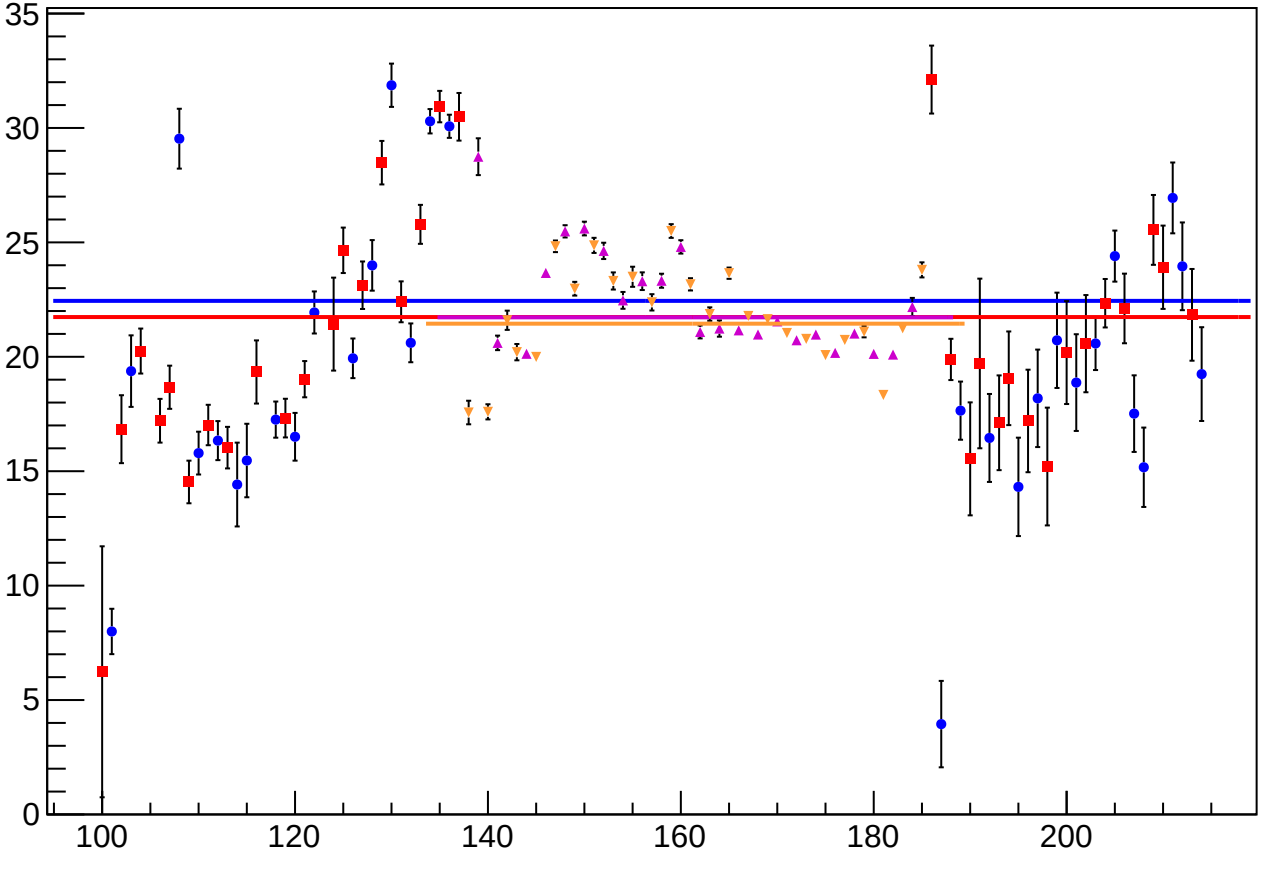
Right: -13.559+/-0.109 χ^2/NDF: 5008.5/63

In: -1.483+/-0.054 χ^2/NDF:23056.0/52

Out: -1.890+/-0.053 χ^2/NDF:26313.0/58

All: -1.689+/-0.038 χ^2/NDF: 49398.2/111

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

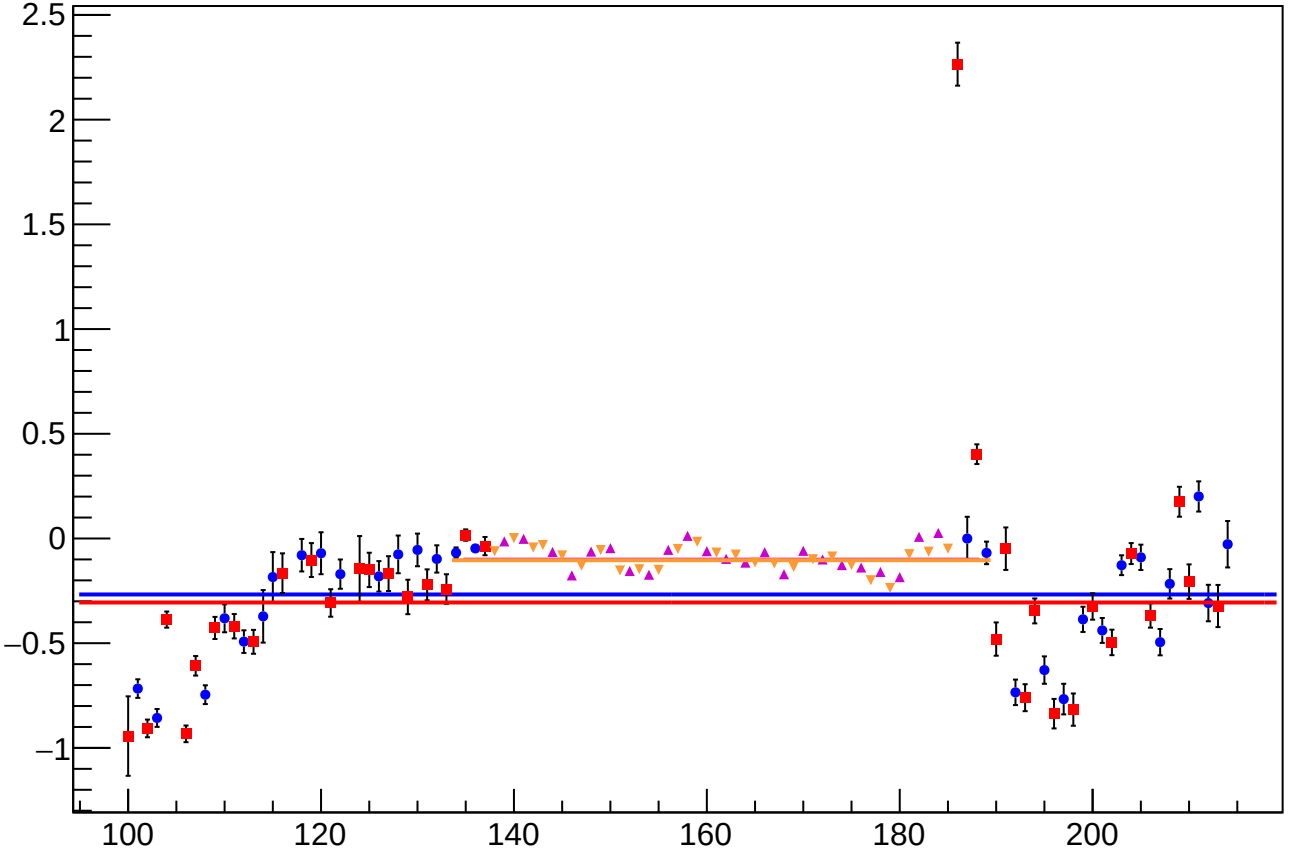
Right: 22.096+/-0.139 χ^2/NDF: 1856.1/63

In: 21.769+/-0.048 χ^2/NDF:2392.2/52

Out: 21.464+/-0.048 χ^2/NDF:1971.2/58

All: 21.616+/-0.034 χ^2/NDF: 4383.5/111

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

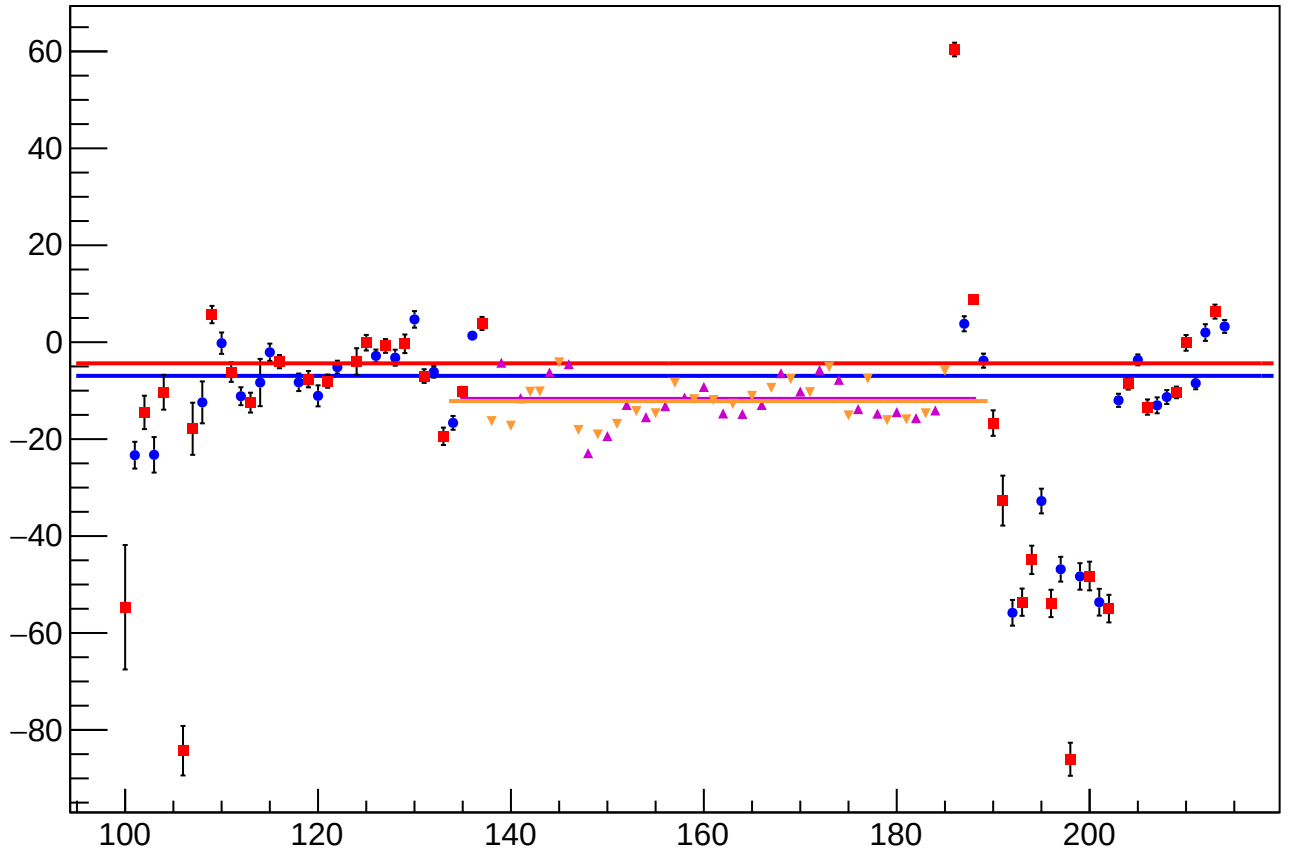
Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

Right: -0.286+/-0.007 χ^2/NDF: 2710.9/63

In: -0.110+/-0.002 χ^2/NDF:1917.9/52

Out: -0.113+/-0.002 χ^2/NDF:2753.8/58

All: -0.111+/-0.002 χ^2/NDF: 4673.0/111



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

Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

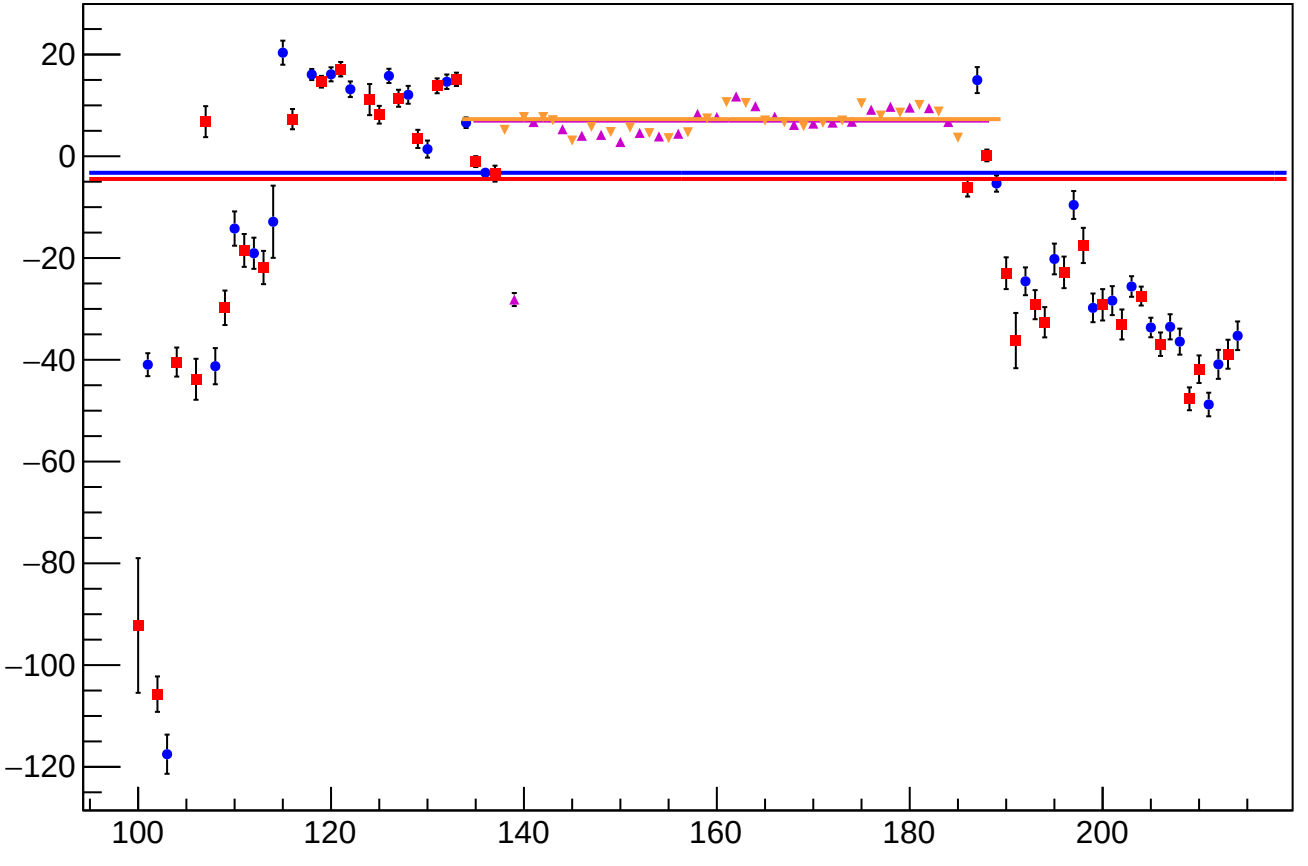
Right: -5.688+/-0.205 χ^2/NDF: 6729.2/63

In: -11.233+/-0.090 χ^2/NDF:3927.3/52

Out: -11.455+/-0.087 χ^2/NDF:7731.5/58

All: -11.347+/-0.063 χ^2/NDF: 11661.9/111

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

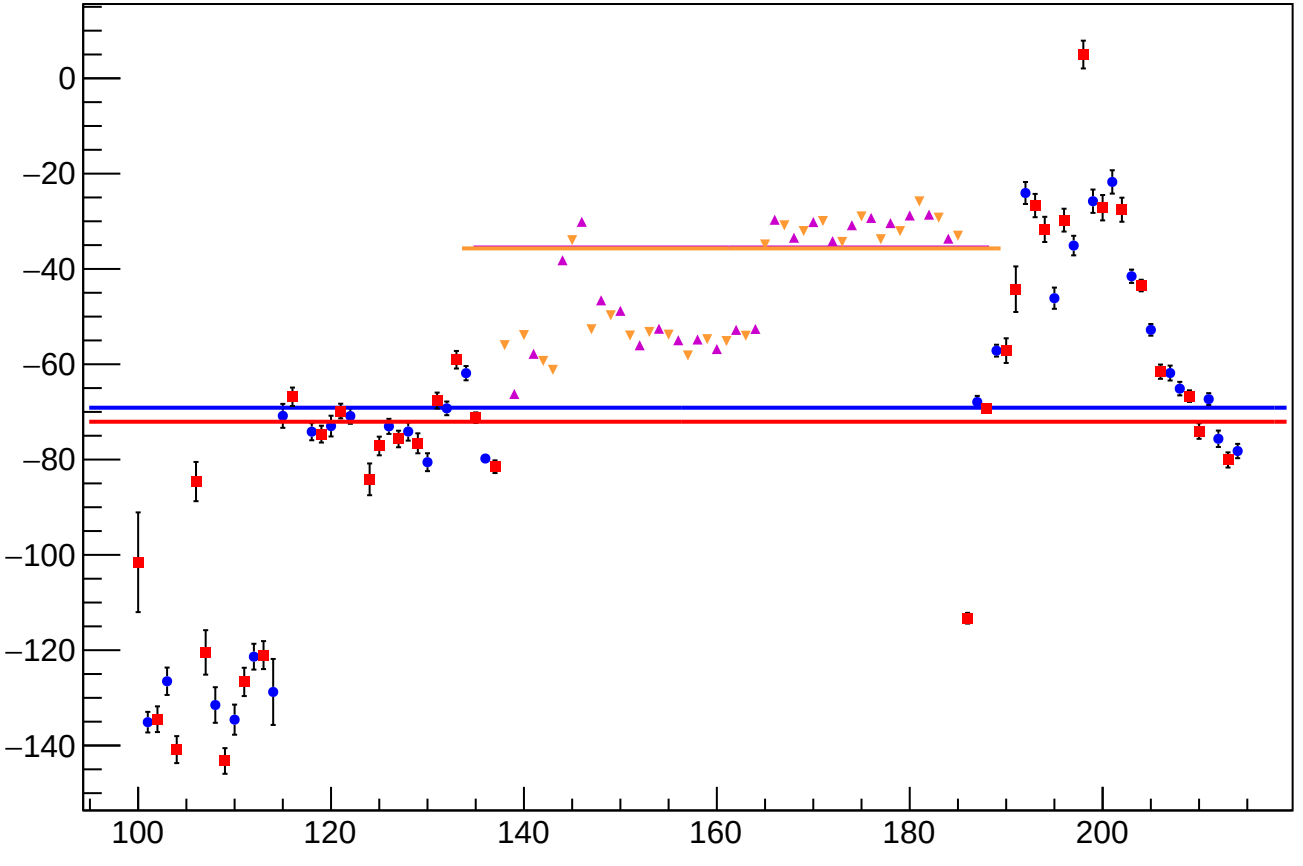
Right: -3.829+/-0.239 χ^2/NDF: 8153.6/63

In: 6.488+/-0.074 χ^2/NDF:6740.7/52

Out: 6.768+/-0.073 χ^2/NDF:5829.3/58

All: 6.630+/-0.052 χ^2/NDF: 12577.3/111

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

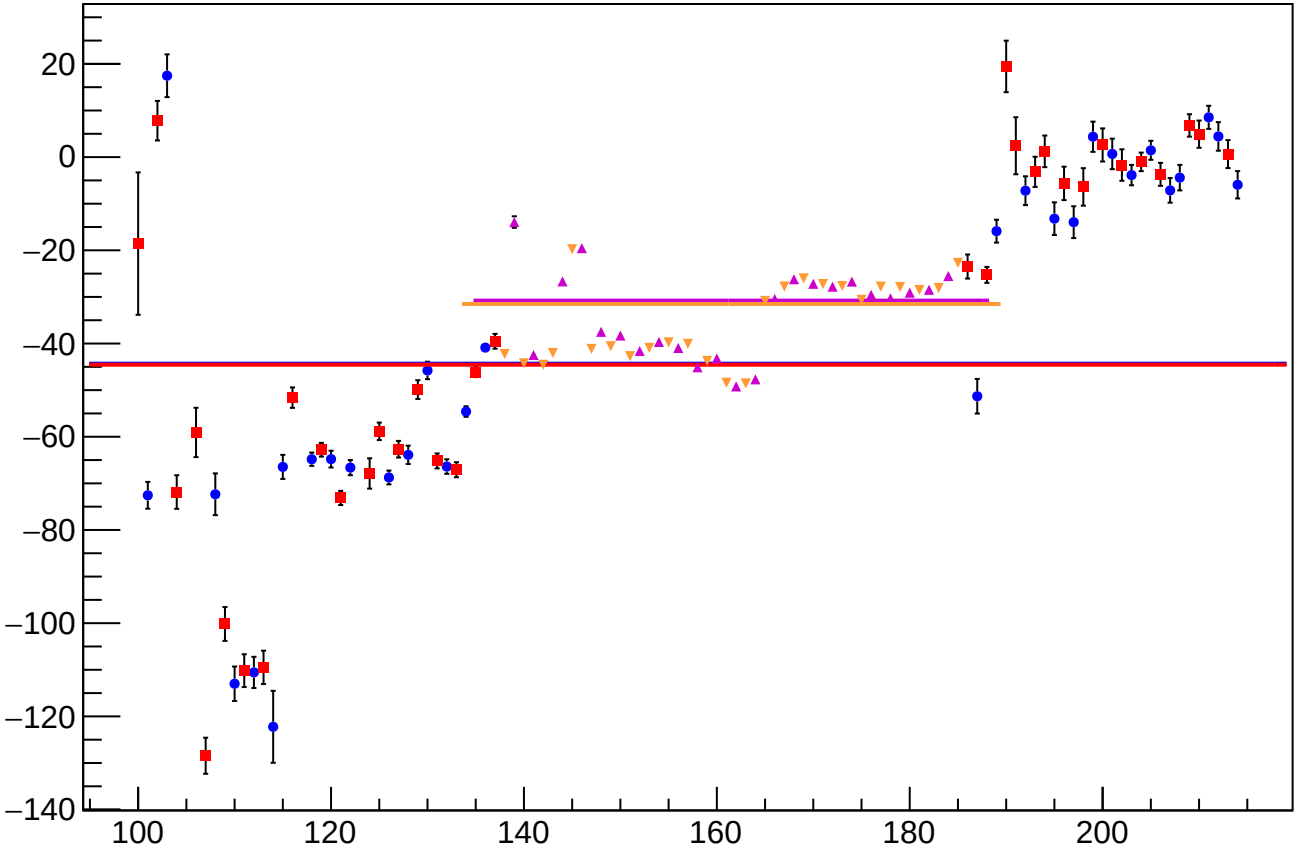
Right: -70.588+/-0.209 χ^2/NDF: 12035.3/63

In: -38.626+/-0.090 χ^2/NDF:27929.0/52

Out: -38.916+/-0.088 χ^2/NDF:33545.6/58

All: -38.774+/-0.063 χ^2/NDF: 61479.9/111

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

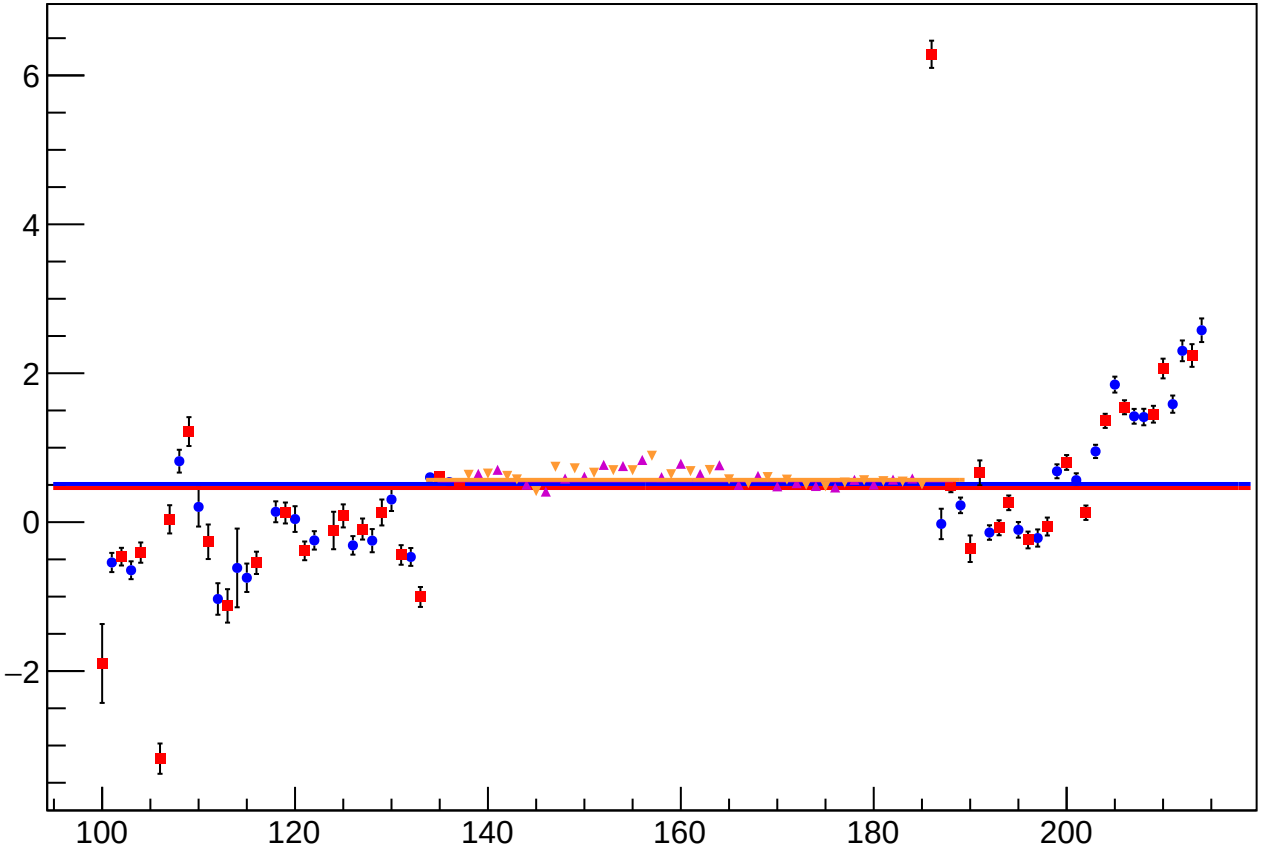
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -44.425+/-0.270 χ^2/NDF: 11123.3/63

In: -31.459+/-0.082 χ^2/NDF:14240.3/52

Out: -32.066+/-0.081 χ^2/NDF:15202.4/58

All: -31.767+/-0.058 χ^2/NDF: 29470.3/111



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

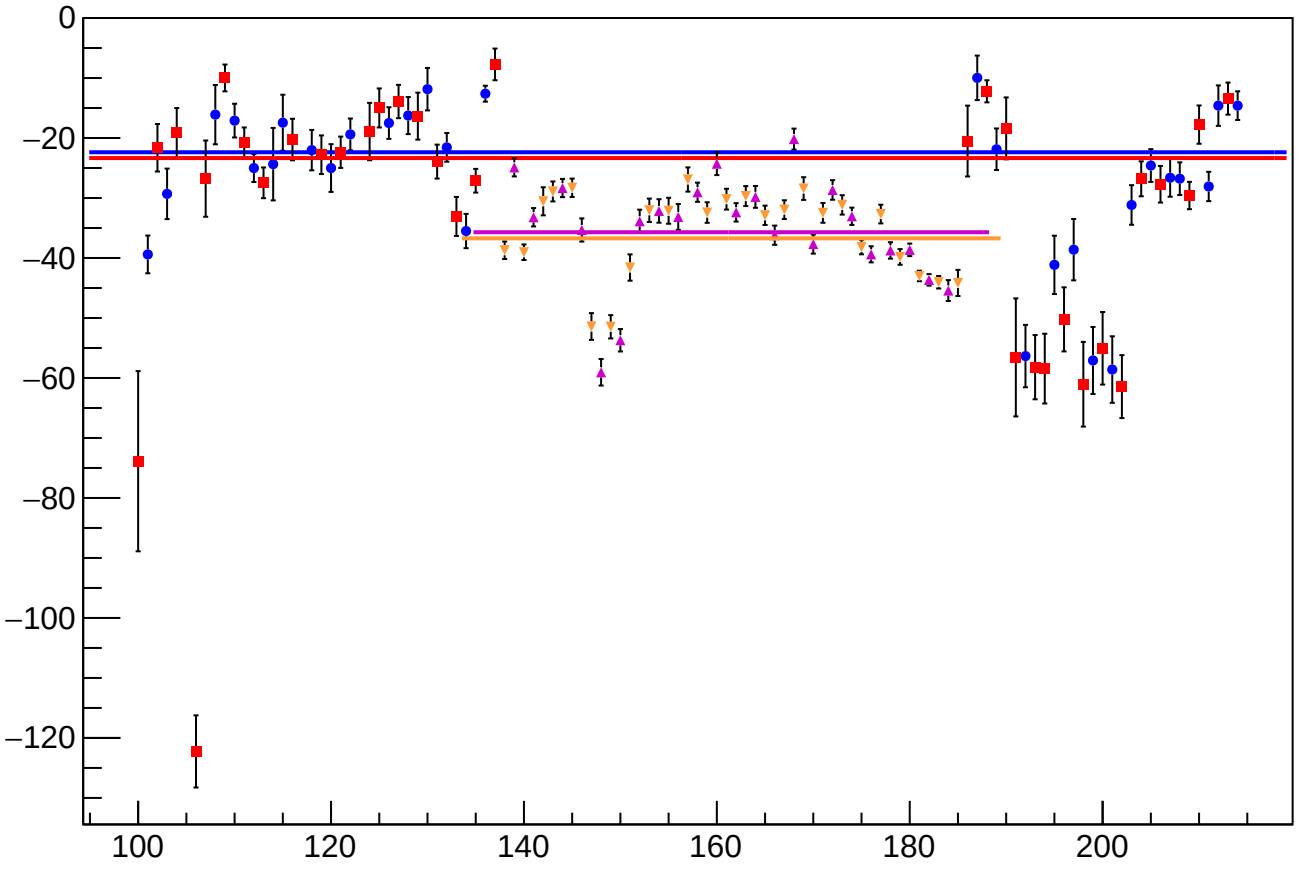
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.488+/-0.013 χ^2/NDF: 3907.7/63

In: 0.558+/-0.004 χ^2/NDF:2023.0/52

Out: 0.564+/-0.004 χ^2/NDF:3143.6/58

All: 0.561+/-0.003 χ^2/NDF: 5168.2/111



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

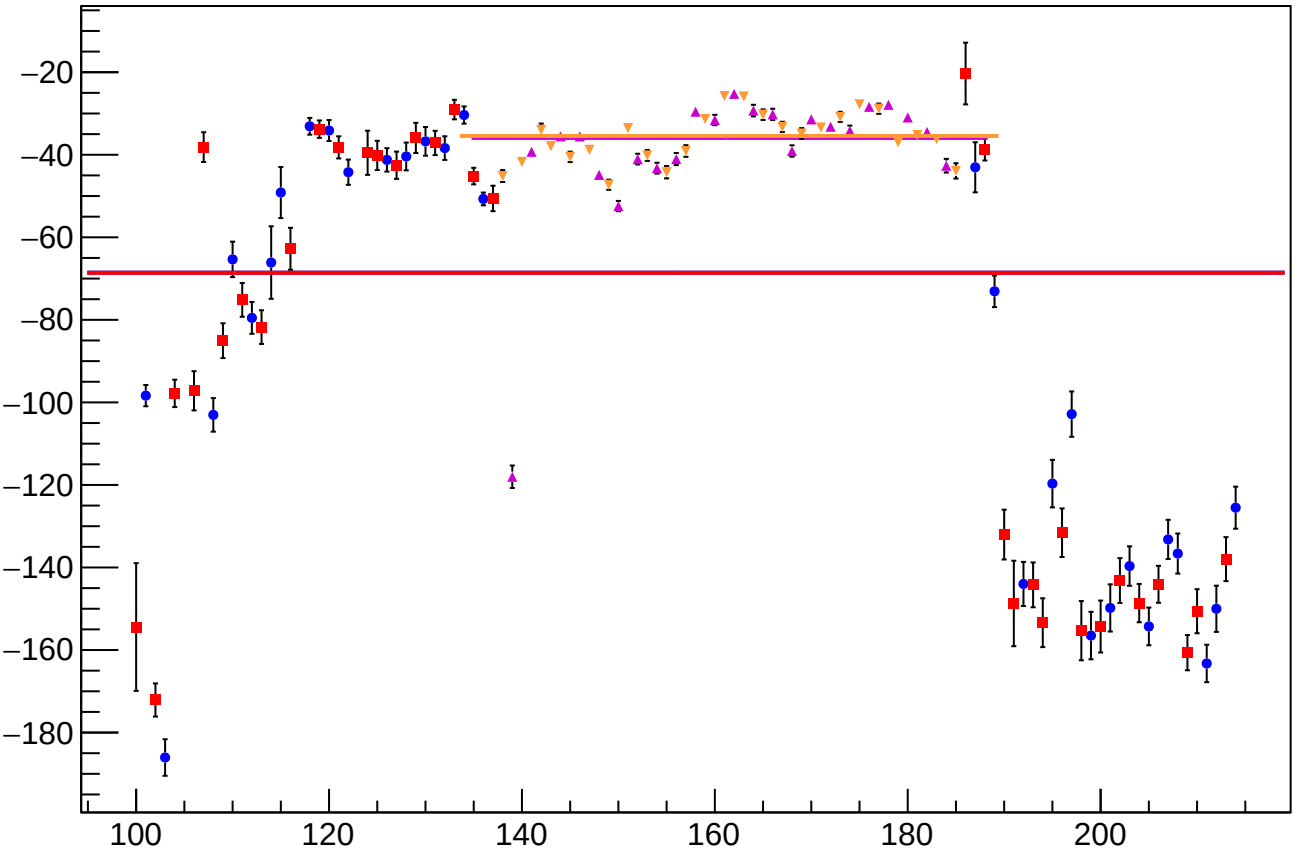
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -22.850+/-0.393 χ^2/NDF: 1011.2/63

In: -32.289+/-0.279 χ^2/NDF:1341.3/52

Out: -33.593+/-0.271 χ^2/NDF:1539.4/58

All: -32.958+/-0.194 χ^2/NDF: 2891.9/111



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

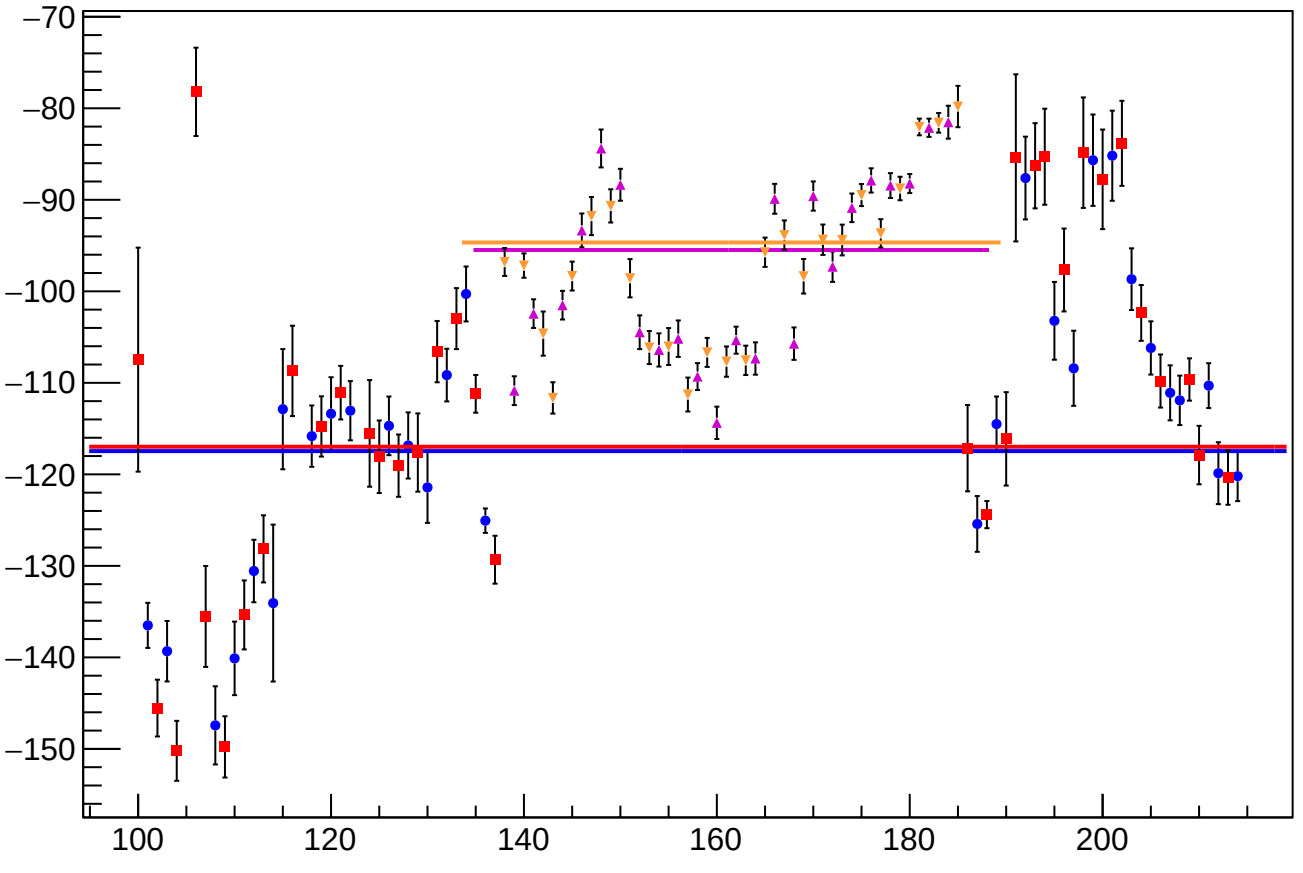
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -68.581+/-0.451 χ^2/NDF: 9745.8/63

In: -40.586+/-0.237 χ^2/NDF:8674.2/52

Out: -39.580+/-0.229 χ^2/NDF:7766.7/58

All: -40.066+/-0.165 χ^2/NDF: 16450.2/111



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

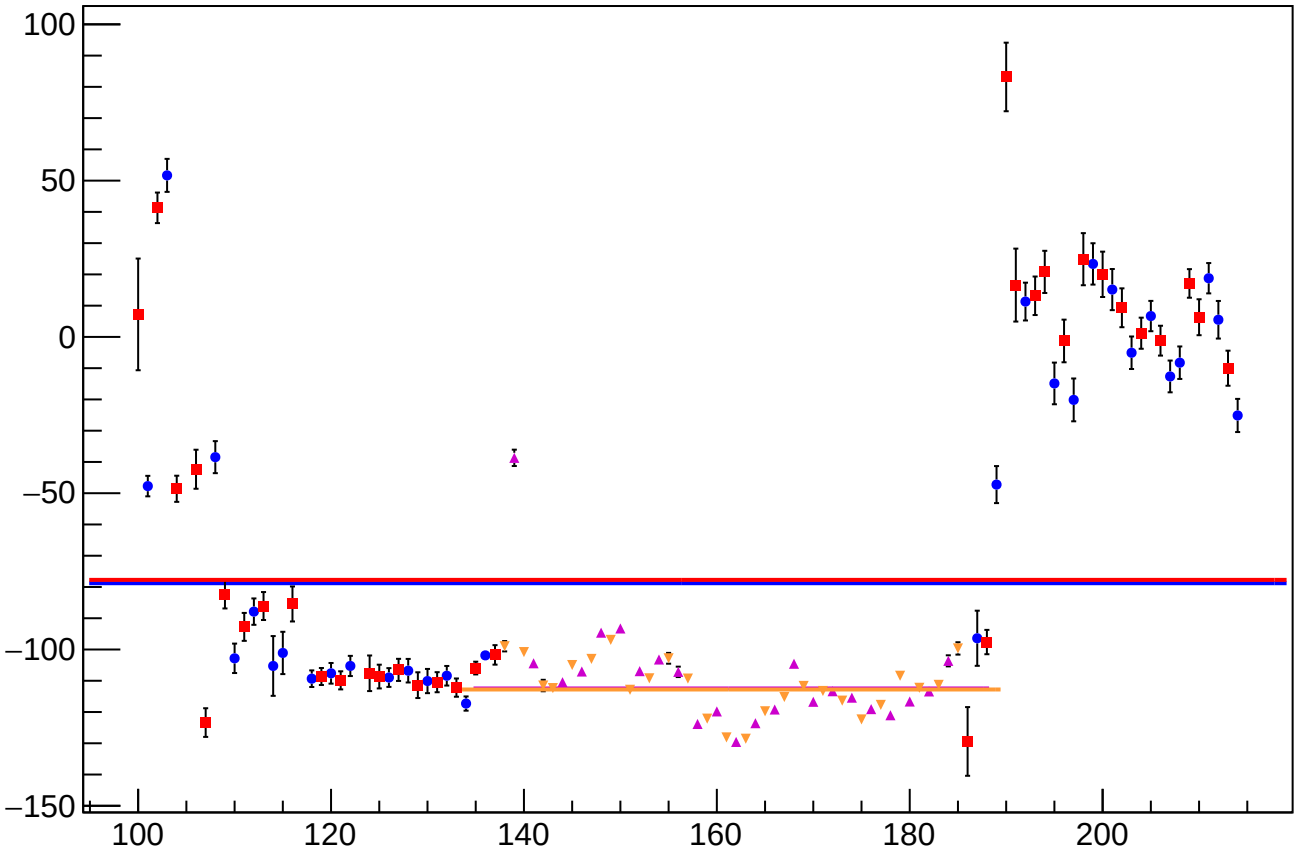
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -117.225+/-0.406 χ^2/NDF: 1240.4/63

In: -100.790+/-0.280 χ^2/NDF:2597.0/52

Out: -99.617+/-0.273 χ^2/NDF:2794.1/58

All: -100.190+/-0.195 χ^2/NDF: 5400.1/111



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

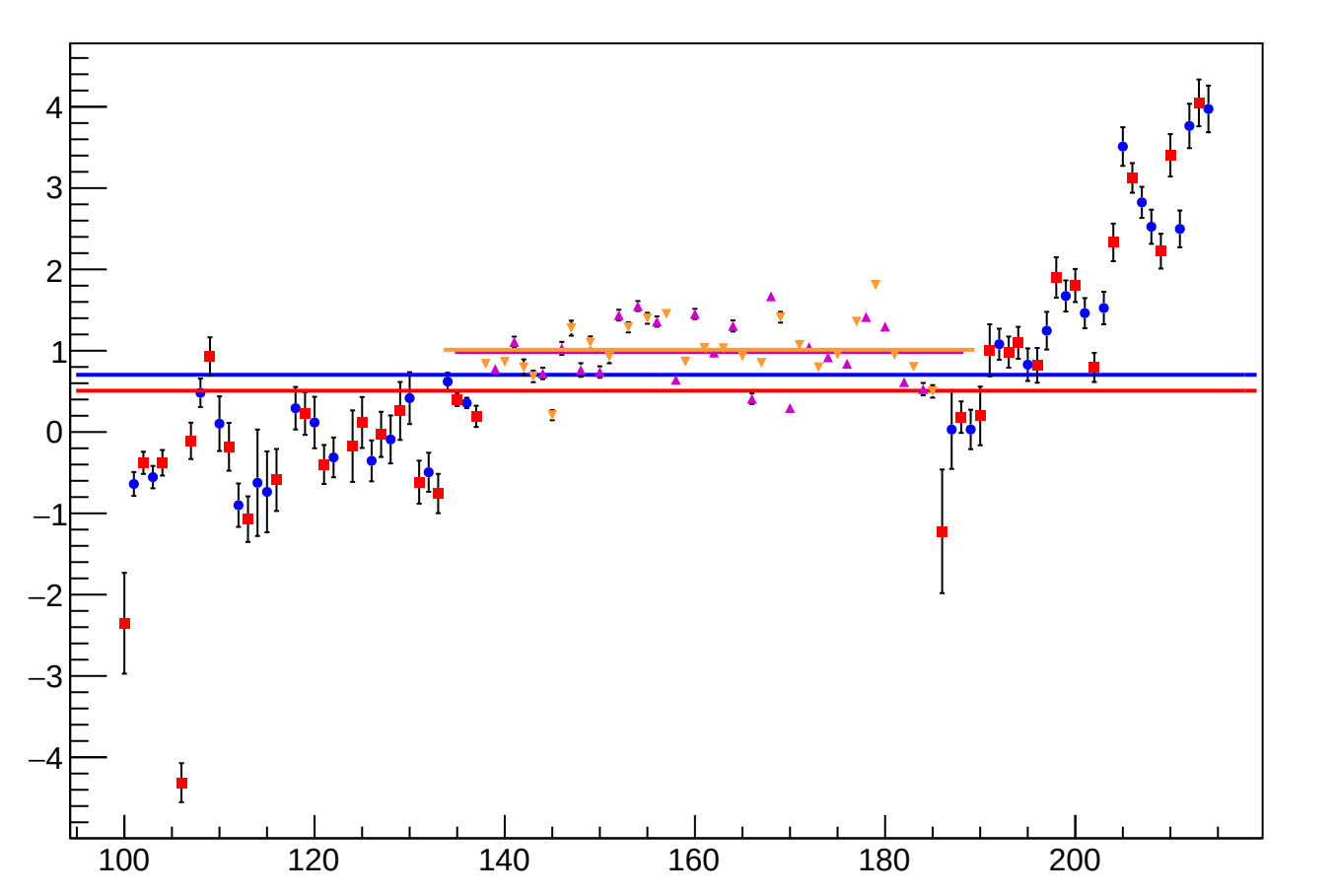
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

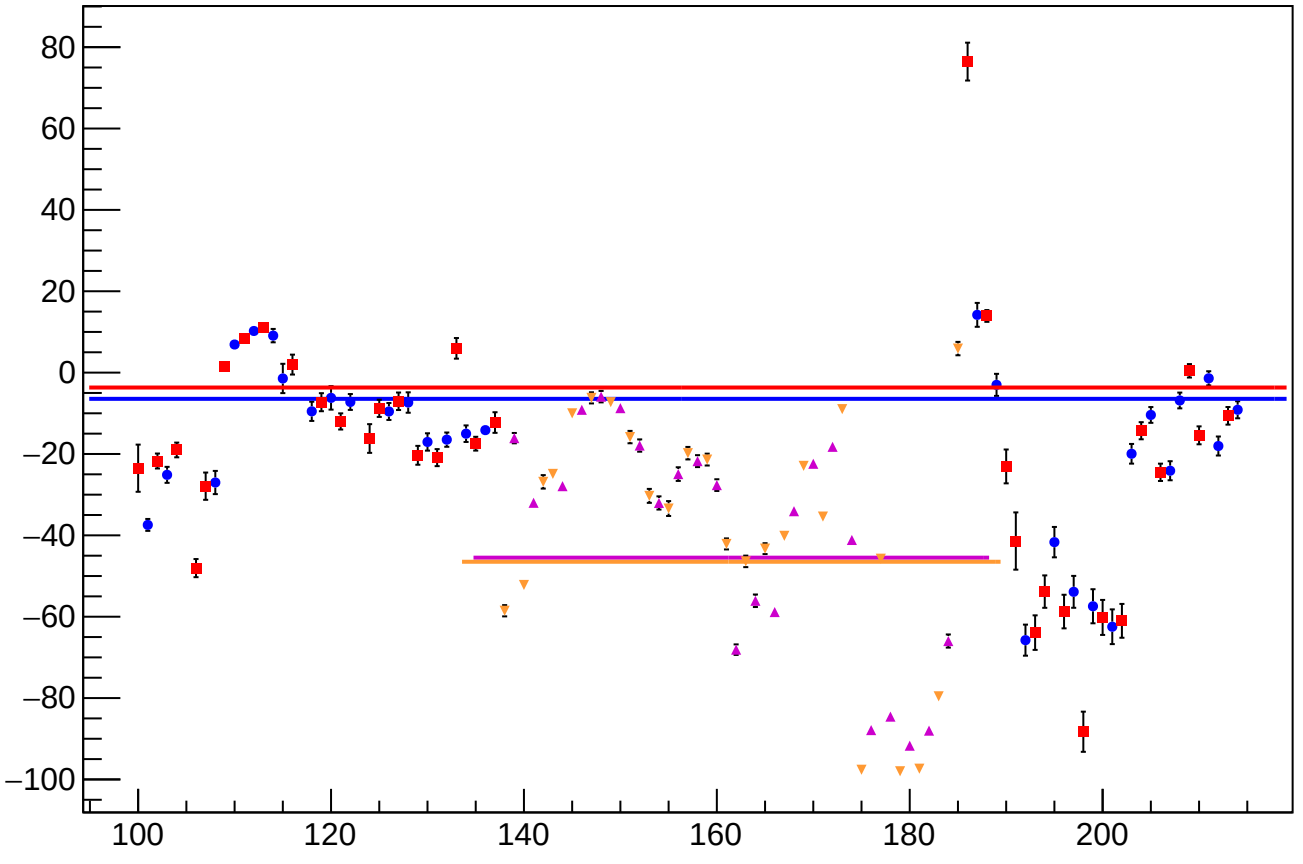
Right: -78.286+/-0.511 χ^2/NDF: 8837.2/63

In: -107.745+/-0.264 χ^2/NDF:8084.3/52

Out: -108.575+/-0.257 χ^2/NDF:7406.2/58

All: -108.171+/-0.184 χ^2/NDF: 15495.6/111


reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.704+/-0.034 χ²/NDF: 1059.4/29
Left Out: 1.012+/-0.012 χ²/NDF:691.2/24
Right Out: 0.508+/-0.036 χ²/NDF: 1343.7/33
Left In: 0.984+/-0.013 χ²/NDF:900.0/22
Left: 0.998+/-0.009 χ²/NDF: 1593.6/47
Right: 0.611+/-0.025 χ²/NDF: 2418.9/63
In: 0.950+/-0.012 χ²/NDF:2020.0/52
Out: 0.959+/-0.012 χ²/NDF:2213.5/58
All: 0.954+/-0.008 χ²/NDF: 4233.8/111



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

Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

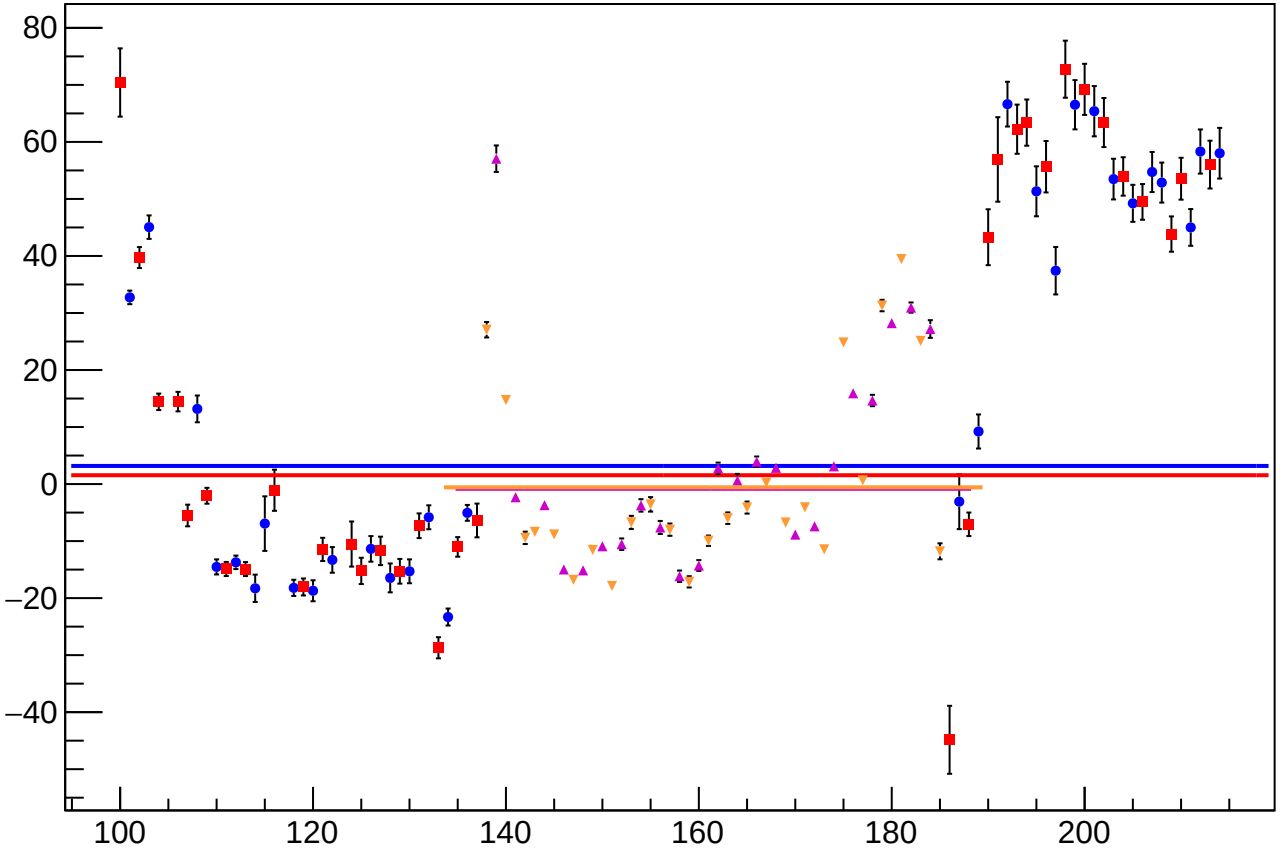
Right: -4.940+/-0.223 χ^2/NDF: 6022.7/63

In: -32.095+/-0.193 χ^2/NDF:27389.6/52

Out: -30.829+/-0.183 χ^2/NDF:36139.2/58

All: -31.430+/-0.133 χ^2/NDF: 63551.6/111

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

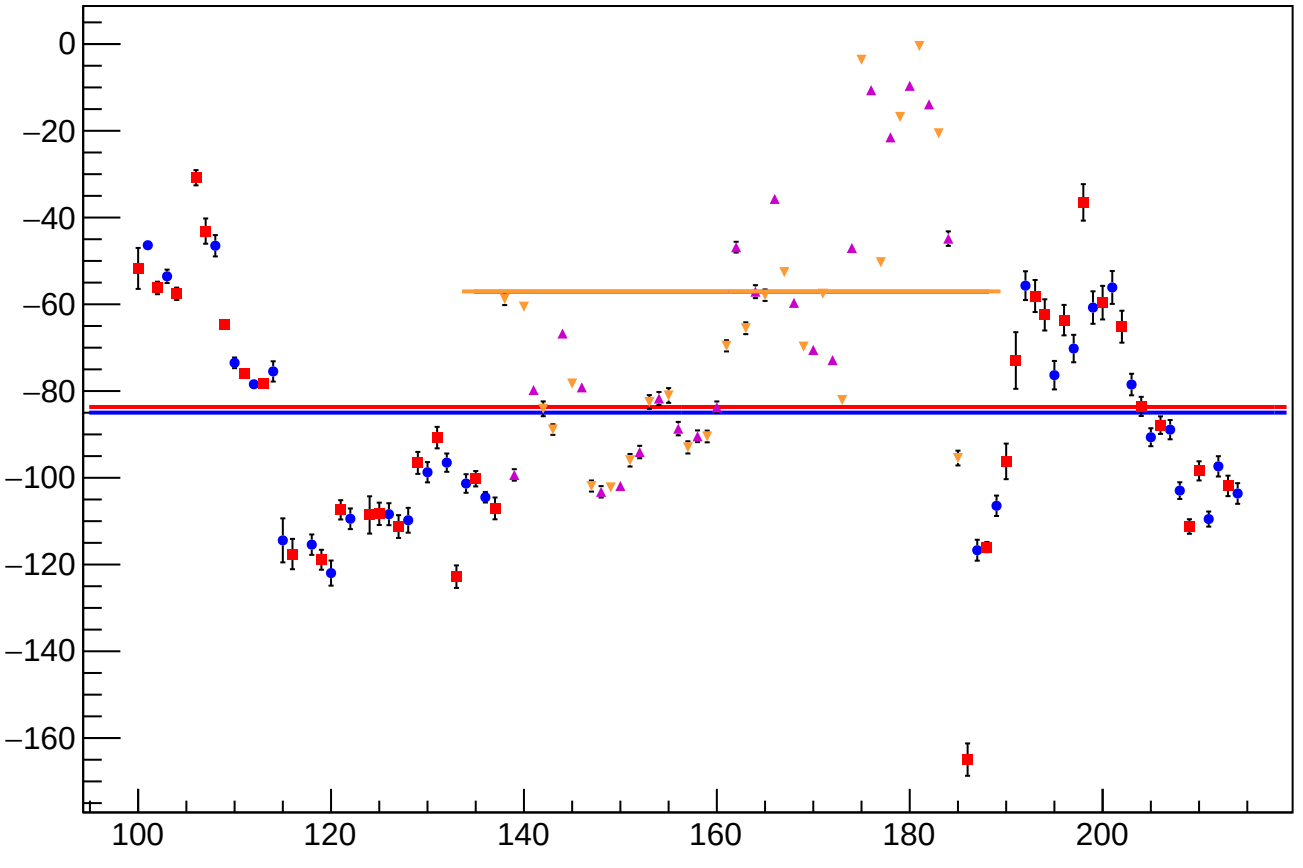
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: 2.347+/-0.277 χ^2/NDF: 8939.1/63

In: -0.123+/-0.166 χ^2/NDF:10894.5/52

Out: -0.204+/-0.161 χ^2/NDF:12713.2/58

All: -0.165+/-0.116 χ^2/NDF: 23607.9/111



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

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

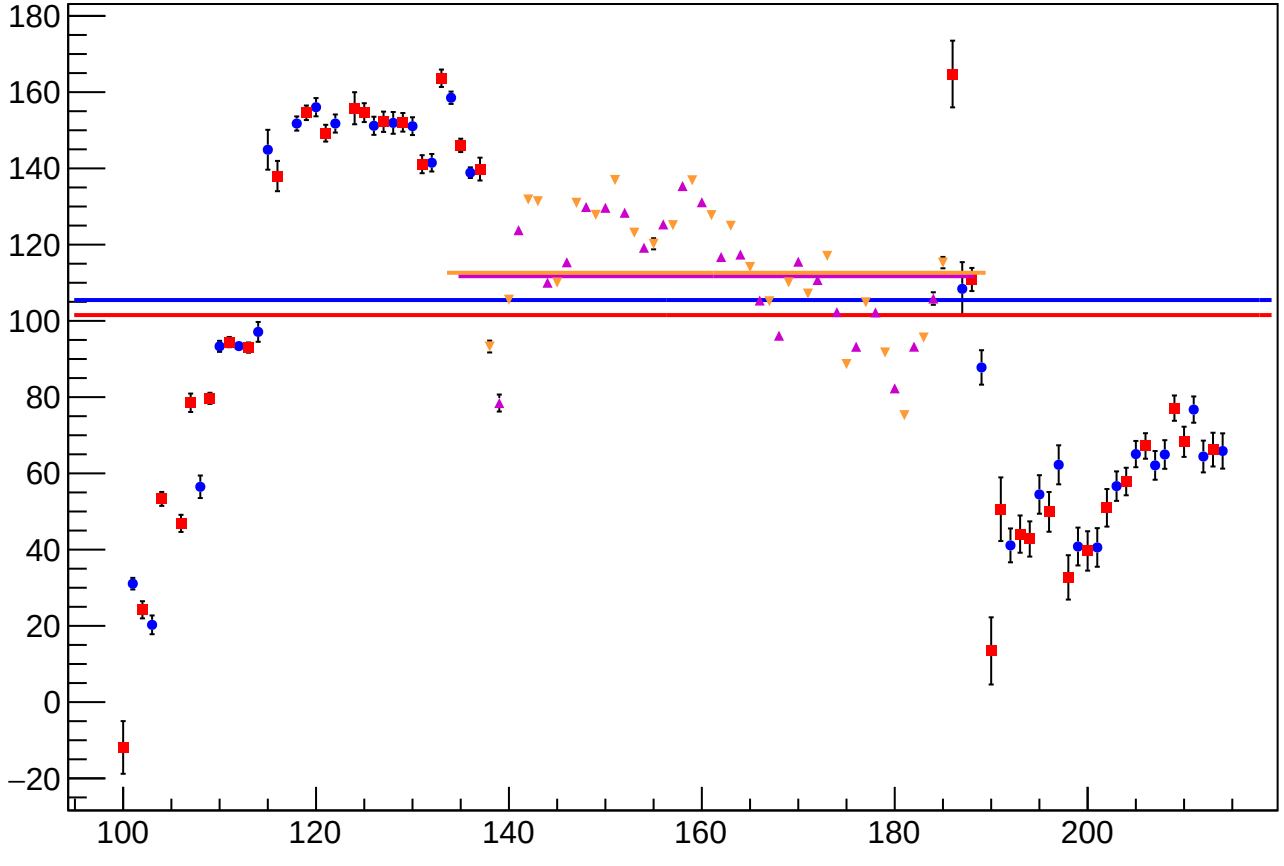
Right: -84.294+/-0.252 χ^2/NDF: 9099.0/63

In: -65.362+/-0.198 χ^2/NDF:25091.1/52

Out: -65.124+/-0.192 χ^2/NDF:29680.2/58

All: -65.239+/-0.138 χ^2/NDF: 54772.1/111

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

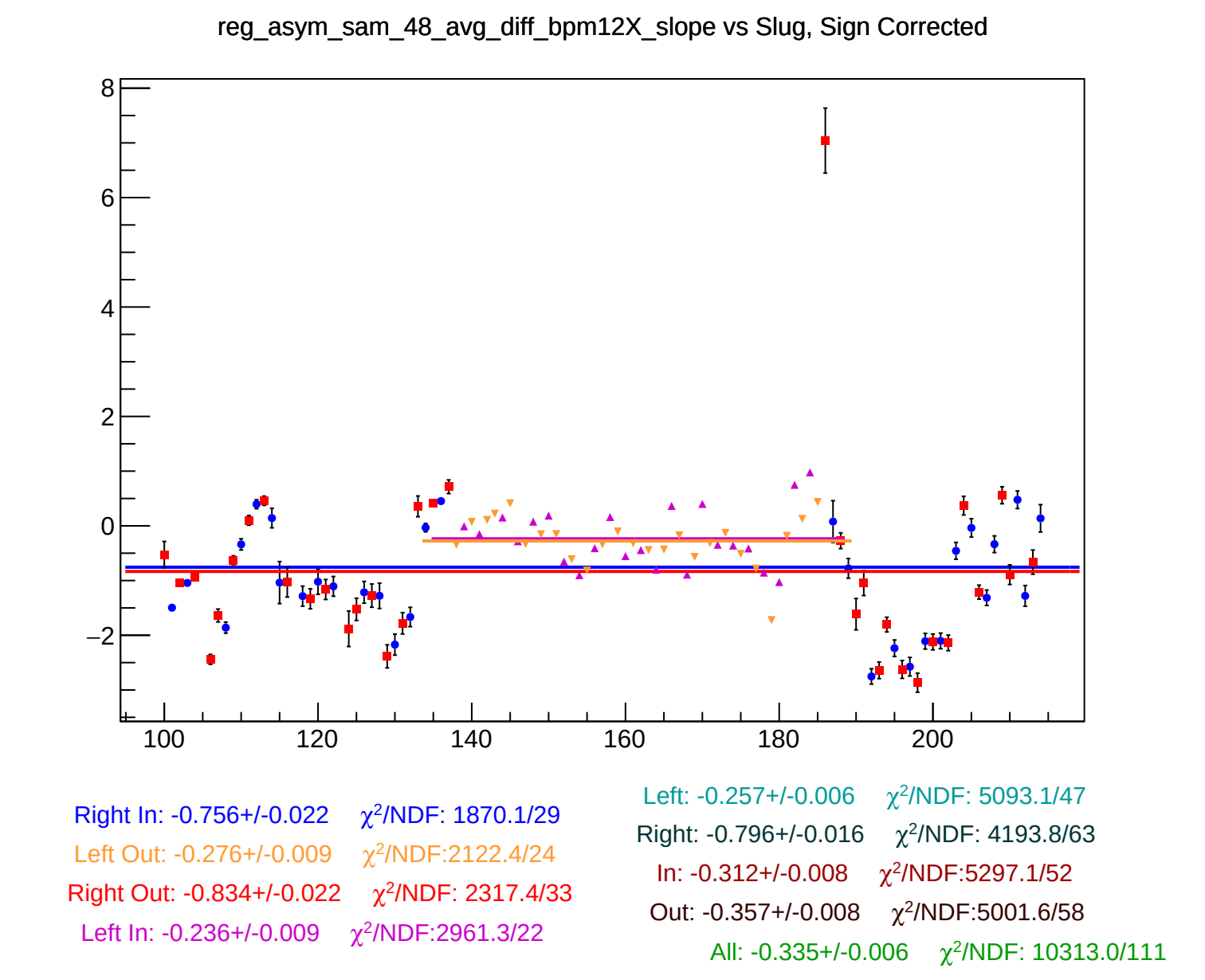
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

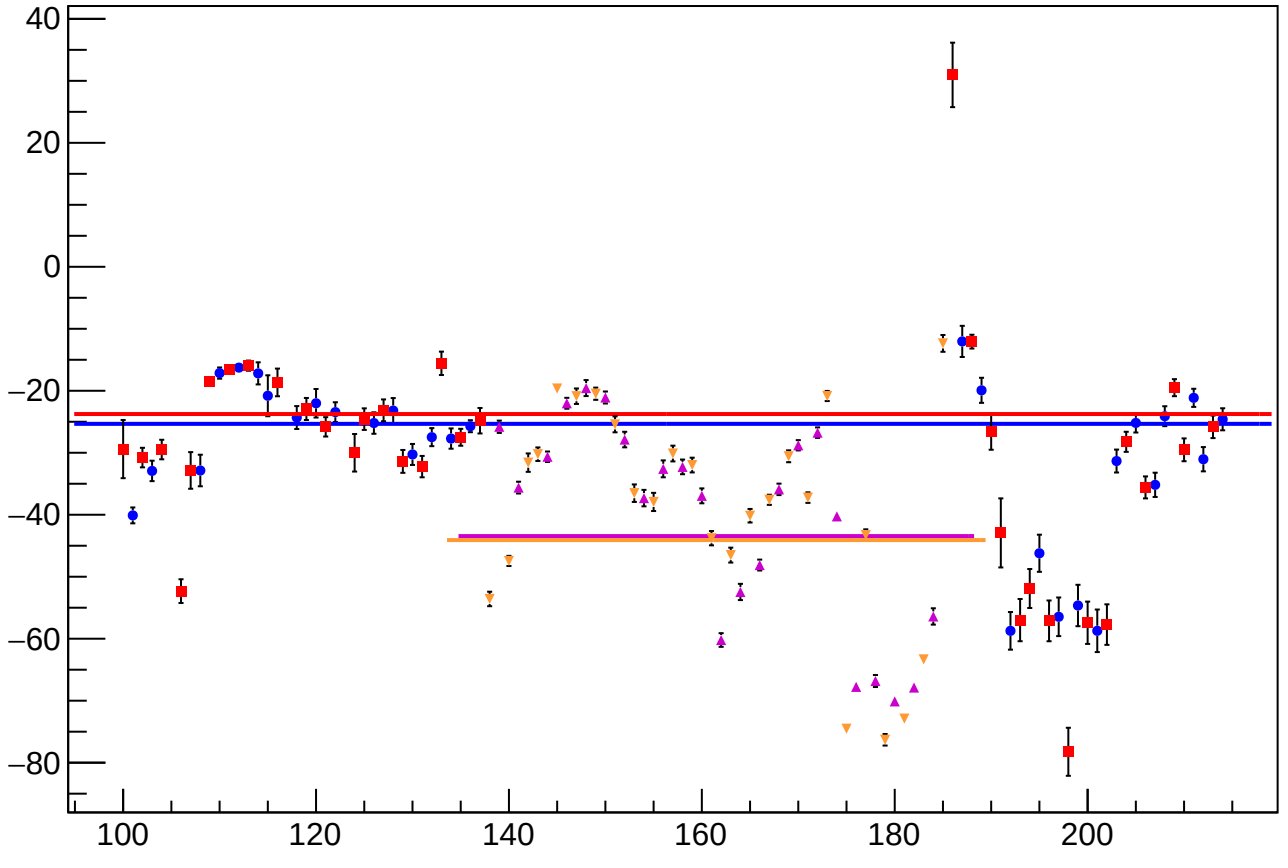
Right: 103.463+/-0.316 χ^2/NDF: 19132.7/63

In: 110.636+/-0.187 χ^2/NDF:15025.0/52

Out: 110.743+/-0.182 χ^2/NDF:16355.7/58

All: 110.691+/-0.131 χ^2/NDF: 31380.8/111


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.756+/-0.022 χ²/NDF: 1870.1/29
Left Out: -0.276+/-0.009 χ²/NDF:2122.4/24
Right Out: -0.834+/-0.022 χ²/NDF: 2317.4/33
Left In: -0.236+/-0.009 χ²/NDF:2961.3/22
Left: -0.257+/-0.006 χ²/NDF: 5093.1/47
Right: -0.796+/-0.016 χ²/NDF: 4193.8/63
In: -0.312+/-0.008 χ²/NDF:5297.1/52
Out: -0.357+/-0.008 χ²/NDF:5001.6/58
All: -0.335+/-0.006 χ²/NDF: 10313.0/111



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

Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

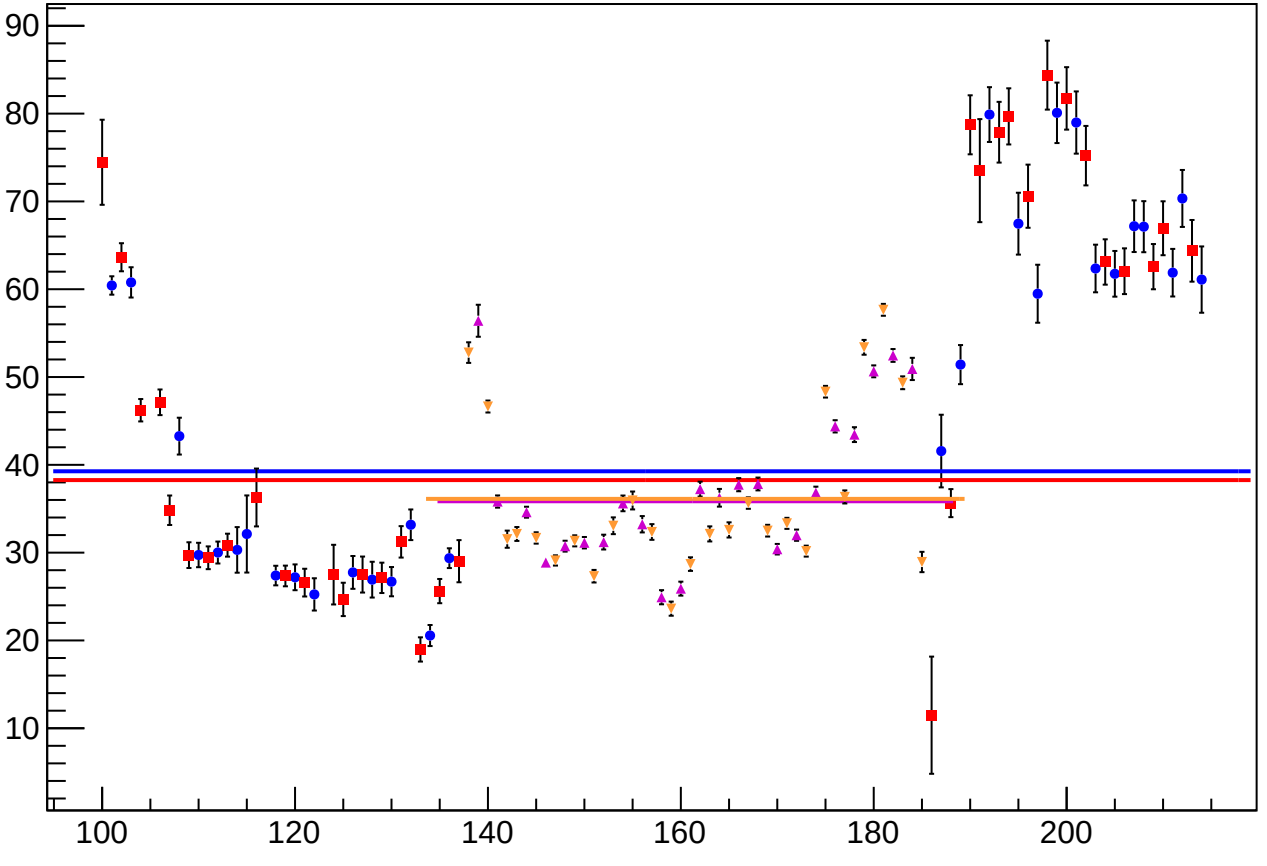
Right: -24.498+/-0.202 χ^2/NDF: 2534.6/63

In: -37.773+/-0.165 χ^2/NDF:11381.5/52

Out: -37.451+/-0.158 χ^2/NDF:15520.7/58

All: -37.606+/-0.114 χ^2/NDF: 26904.3/111

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

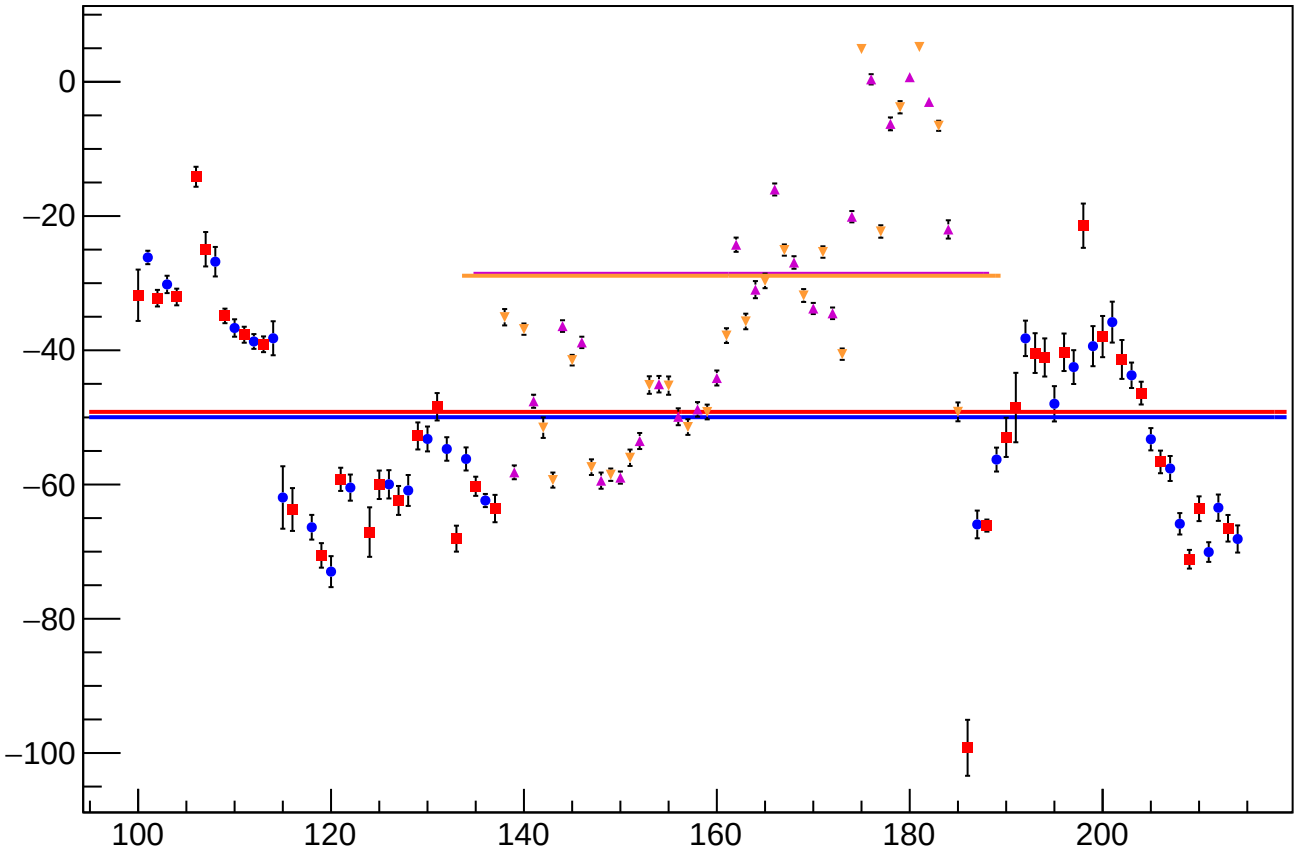
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 38.757+/-0.239 χ^2/NDF: 4958.8/63

In: 36.437+/-0.141 χ^2/NDF:4856.1/52

Out: 36.479+/-0.137 χ^2/NDF:6067.4/58

All: 36.459+/-0.098 χ^2/NDF: 10923.5/111



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

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

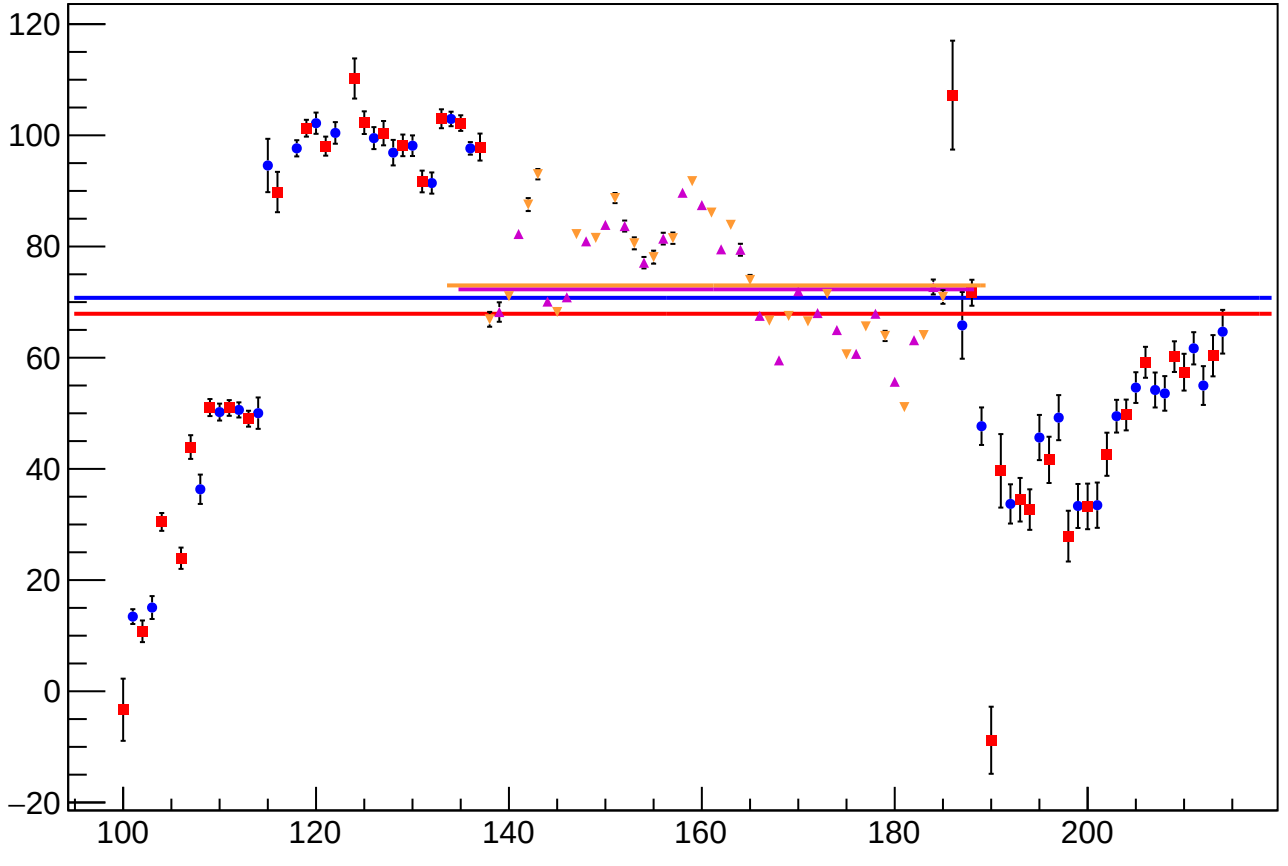
Right: -49.557+/-0.218 χ^2/NDF: 5067.8/63

In: -34.649+/-0.167 χ^2/NDF:15483.2/52

Out: -34.731+/-0.163 χ^2/NDF:17884.0/58

All: -34.691+/-0.117 χ^2/NDF: 33367.3/111

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

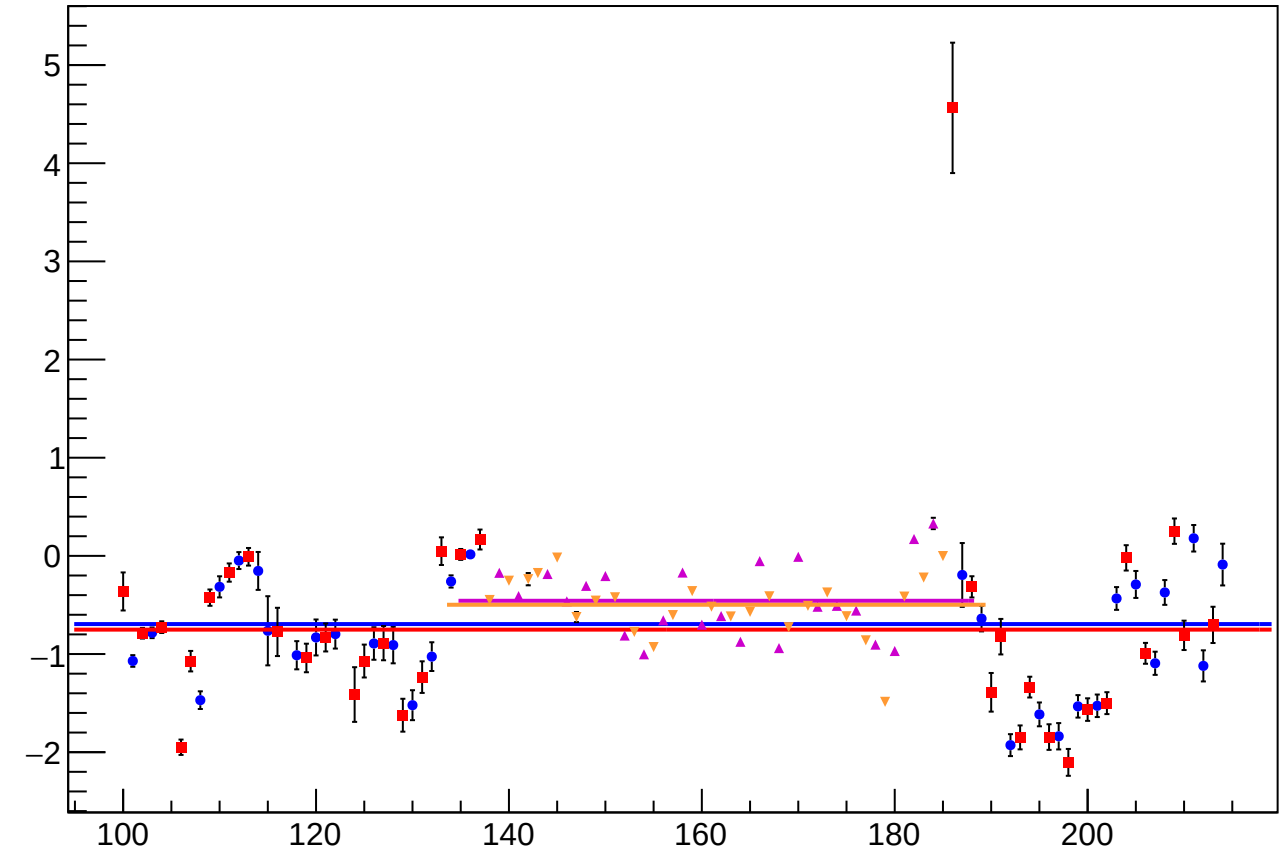
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 69.330+/-0.274 χ^2/NDF: 12899.3/63

In: 72.047+/-0.158 χ^2/NDF:9428.7/52

Out: 72.188+/-0.154 χ^2/NDF:10567.5/58

All: 72.120+/-0.111 χ^2/NDF: 19996.6/111



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

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

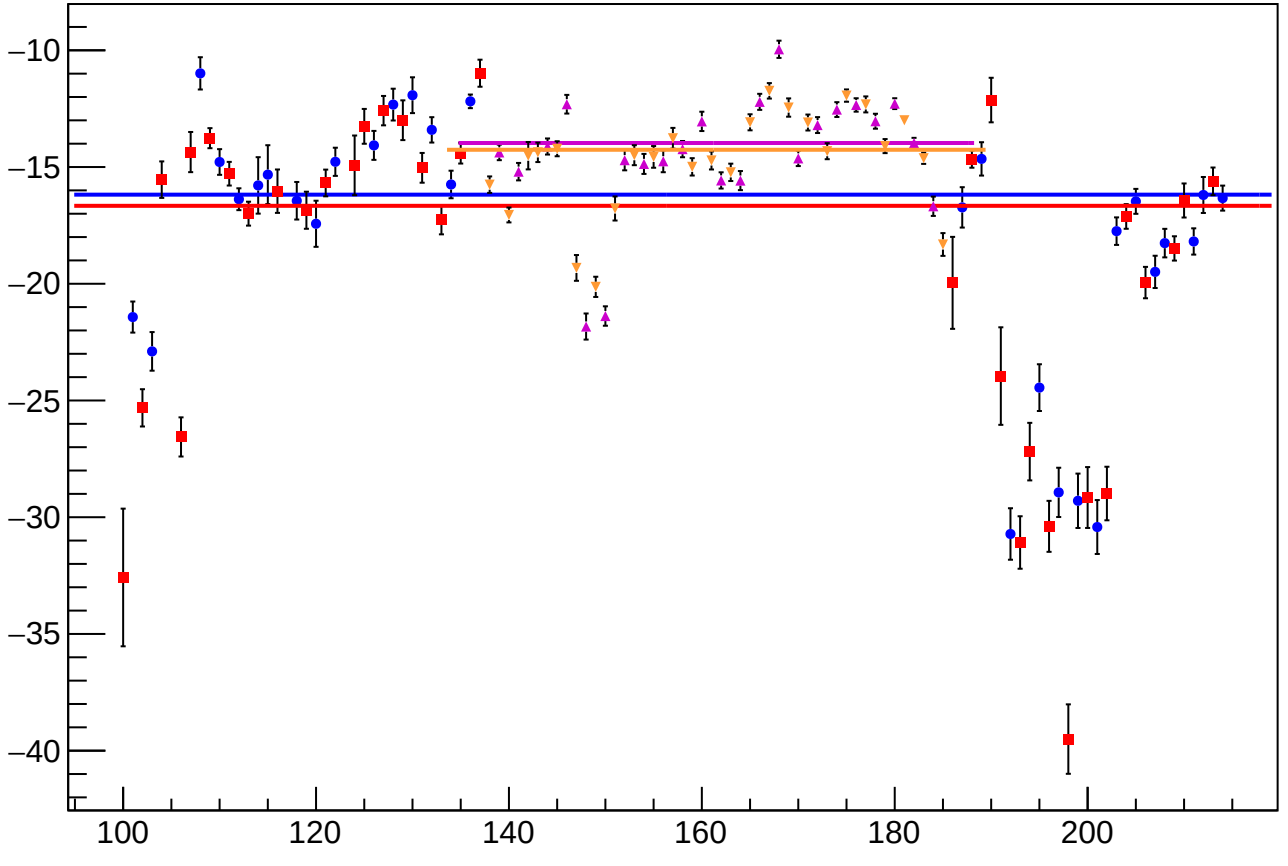
Right: -0.723+/-0.013 χ^2/NDF: 2272.5/63

In: -0.491+/-0.007 χ^2/NDF:3217.2/52

Out: -0.534+/-0.007 χ^2/NDF:2932.2/58

All: -0.513+/-0.005 χ^2/NDF: 6167.4/111

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

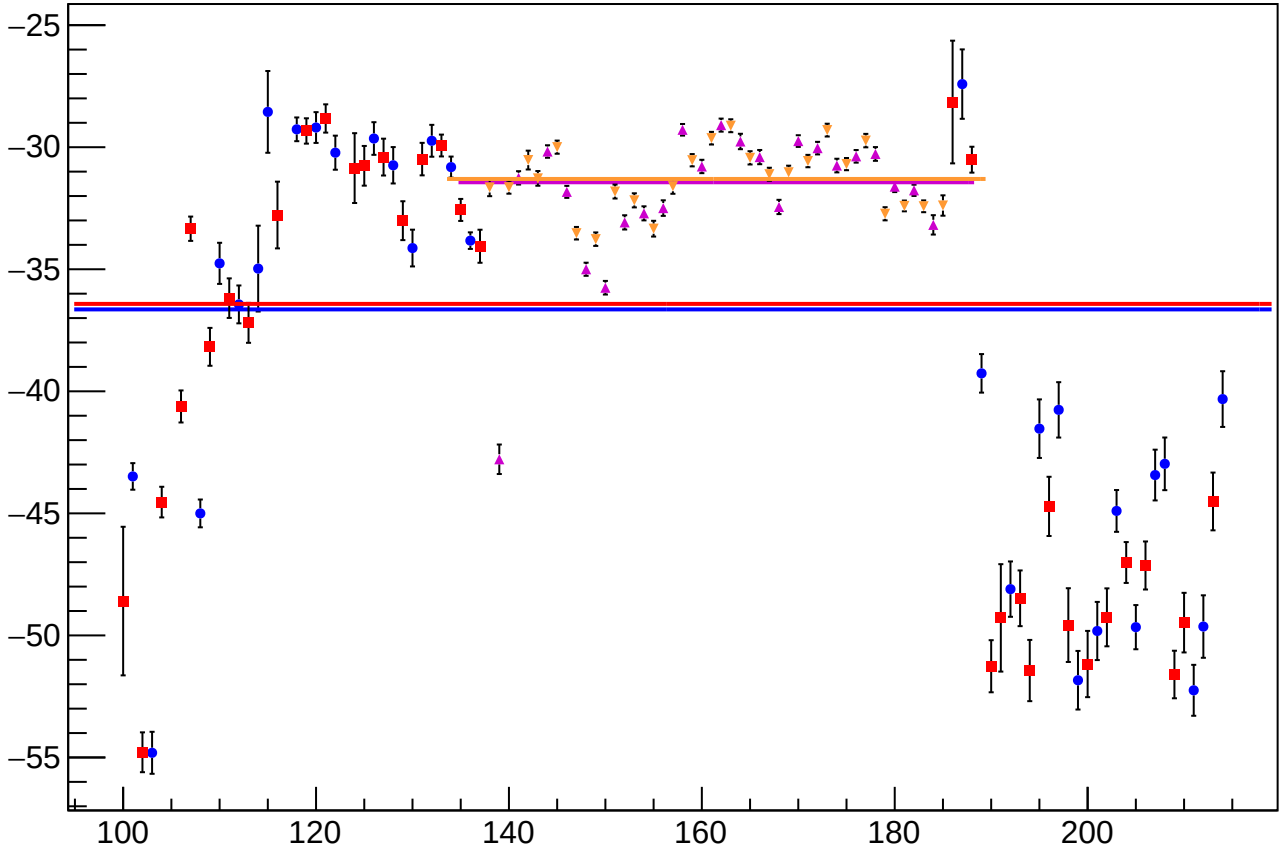
Right: -16.422+/-0.083 χ^2/NDF: 2732.3/63

In: -14.569+/-0.061 χ^2/NDF:2377.8/52

Out: -14.881+/-0.060 χ^2/NDF:2541.0/58

All: -14.728+/-0.043 χ^2/NDF: 4932.0/111

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

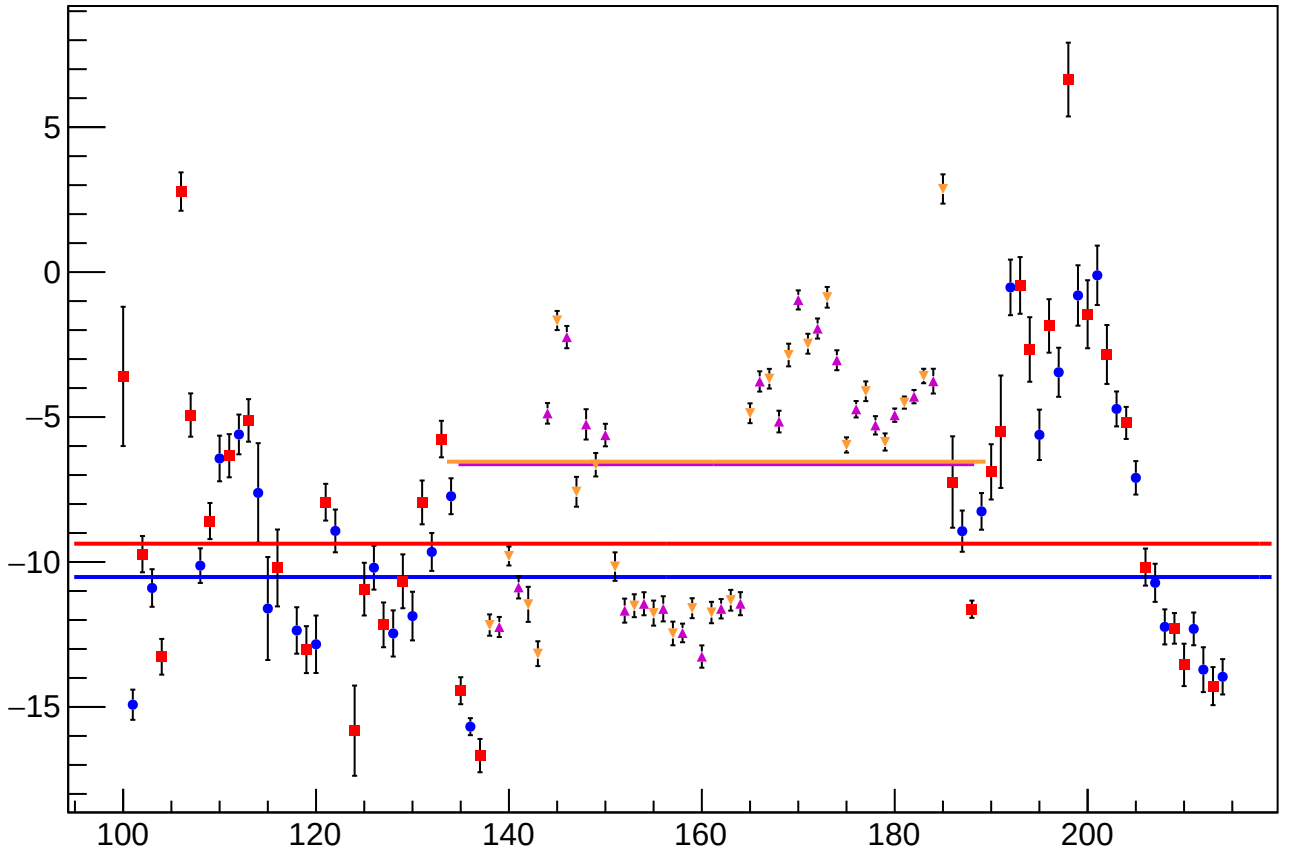
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -36.531+/-0.095 χ^2/NDF: 6352.0/63

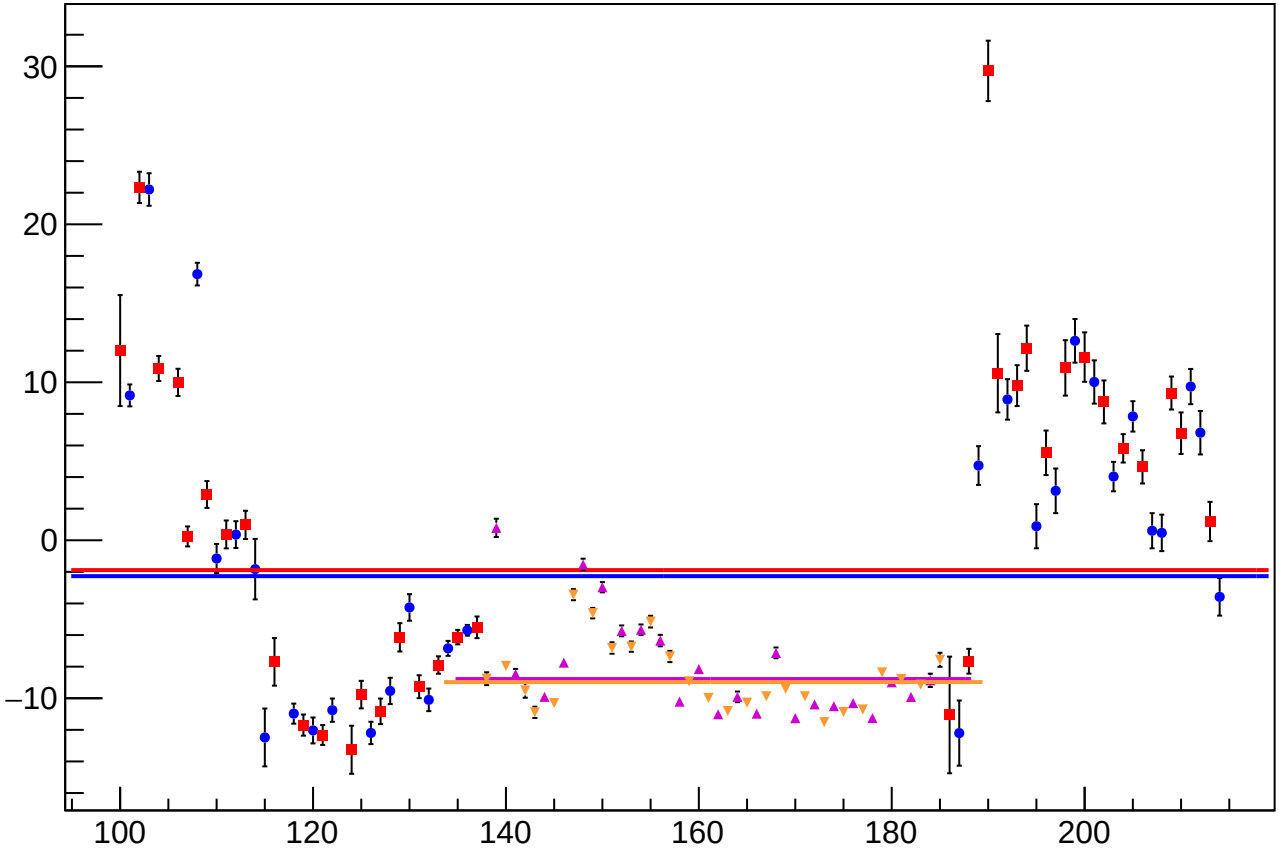
In: -32.232+/-0.053 χ^2/NDF:5510.1/52

Out: -32.042+/-0.051 χ^2/NDF:5116.5/58

All: -32.134+/-0.037 χ^2/NDF: 10633.3/111


reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: -10.519+/-0.122 χ²/NDF: 1121.9/29
Left Out: -6.540+/-0.070 χ²/NDF:3242.5/24
Right Out: -9.368+/-0.121 χ²/NDF: 1527.2/33
Left In: -6.625+/-0.071 χ²/NDF:2908.0/22
Left: -6.581+/-0.050 χ²/NDF: 6151.3/47
Right: -9.939+/-0.086 χ²/NDF: 2694.0/63
In: -7.622+/-0.062 χ²/NDF:4790.5/52
Out: -7.244+/-0.060 χ²/NDF:5181.8/58
All: -7.429+/-0.043 χ²/NDF: 9991.5/111

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

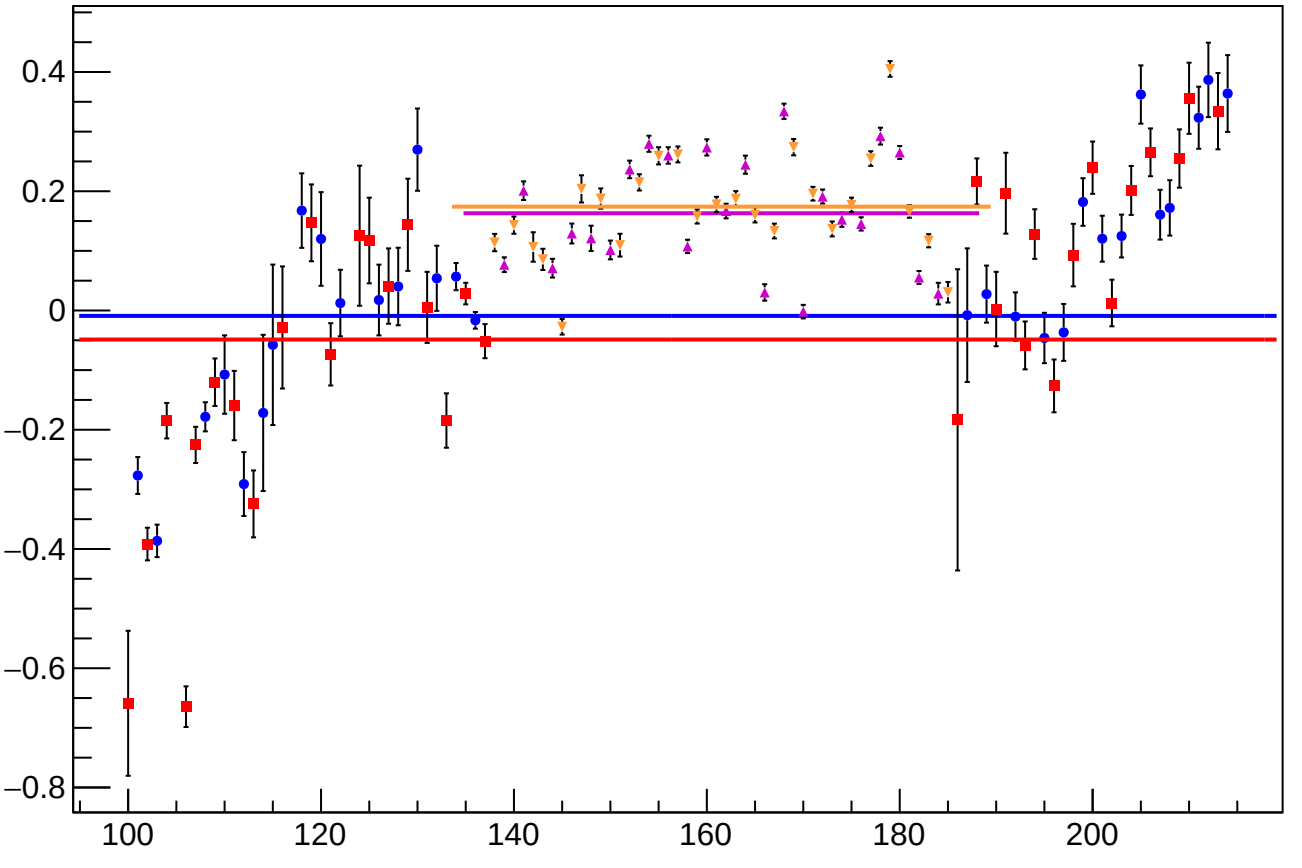
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -2.084+/-0.109 χ^2/NDF: 6603.8/63

In: -7.821+/-0.059 χ^2/NDF:6571.8/52

Out: -8.016+/-0.057 χ^2/NDF:6053.2/58

All: -7.921+/-0.041 χ^2/NDF: 12630.7/111



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

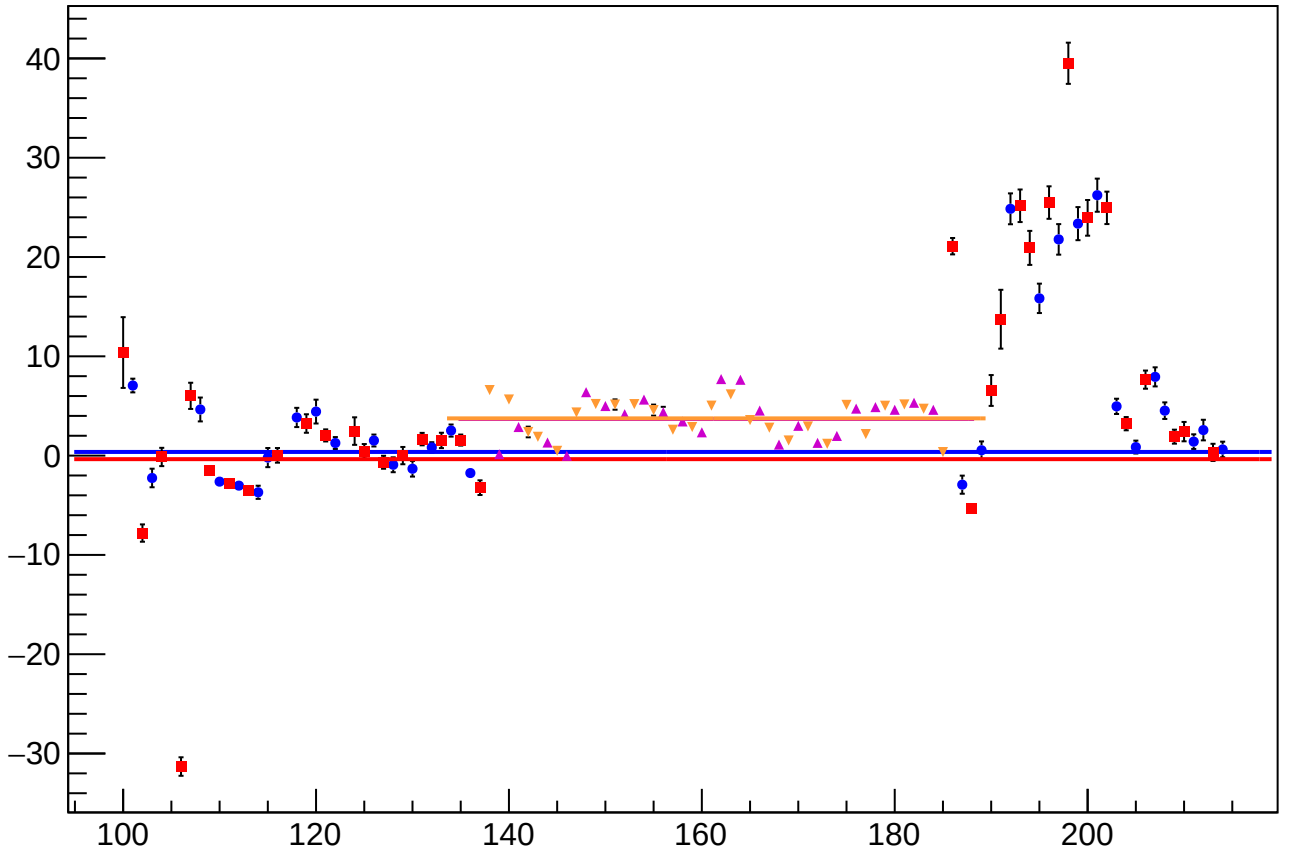
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.028+/-0.005 χ^2/NDF: 1653.9/63

In: 0.140+/-0.003 χ^2/NDF:2349.7/52

Out: 0.147+/-0.003 χ^2/NDF:2739.9/58

All: 0.144+/-0.002 χ^2/NDF: 5093.4/111



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

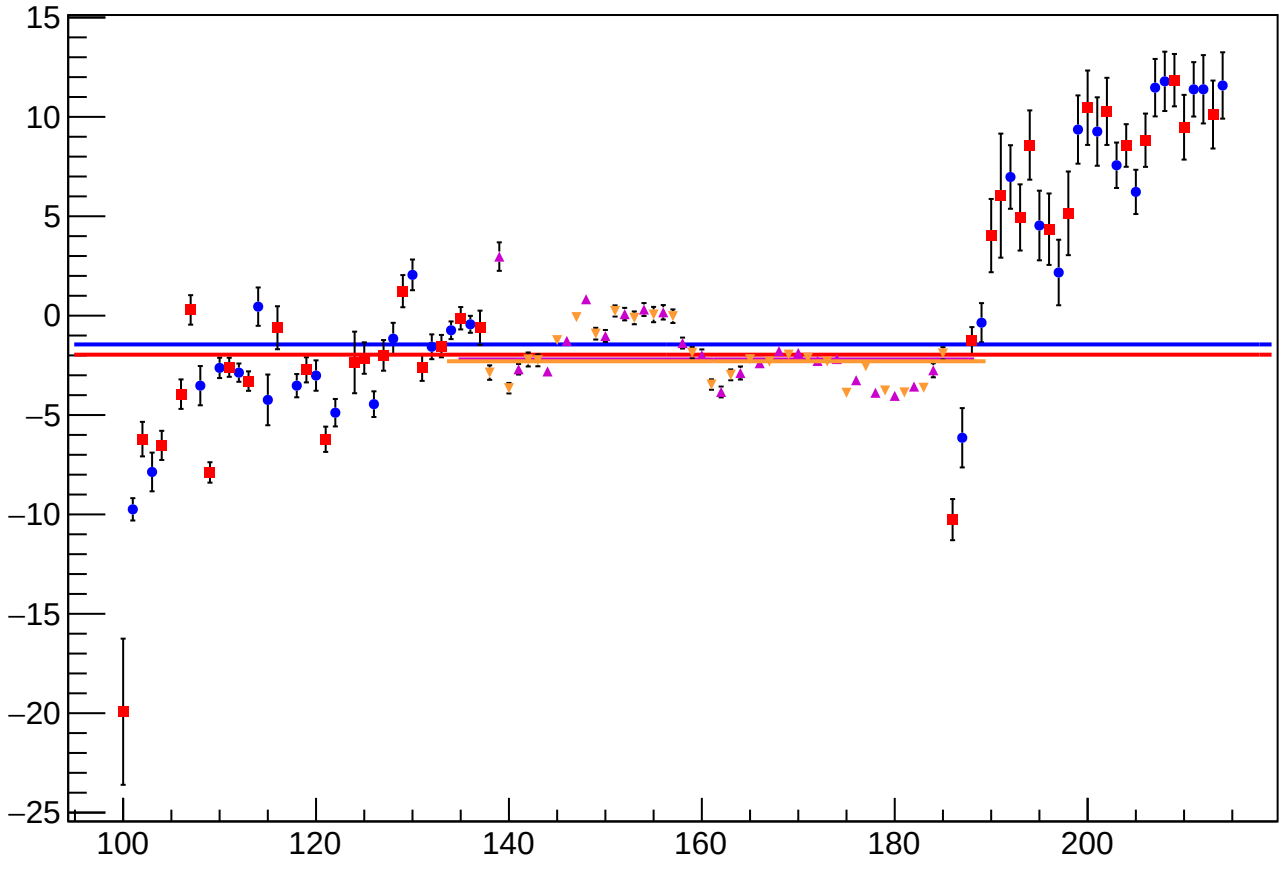
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -0.012+/-0.083 χ^2/NDF: 5469.4/63

In: 2.958+/-0.056 χ^2/NDF:3135.3/52

Out: 2.816+/-0.054 χ^2/NDF:5669.6/58

All: 2.885+/-0.039 χ^2/NDF: 8808.3/111



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

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

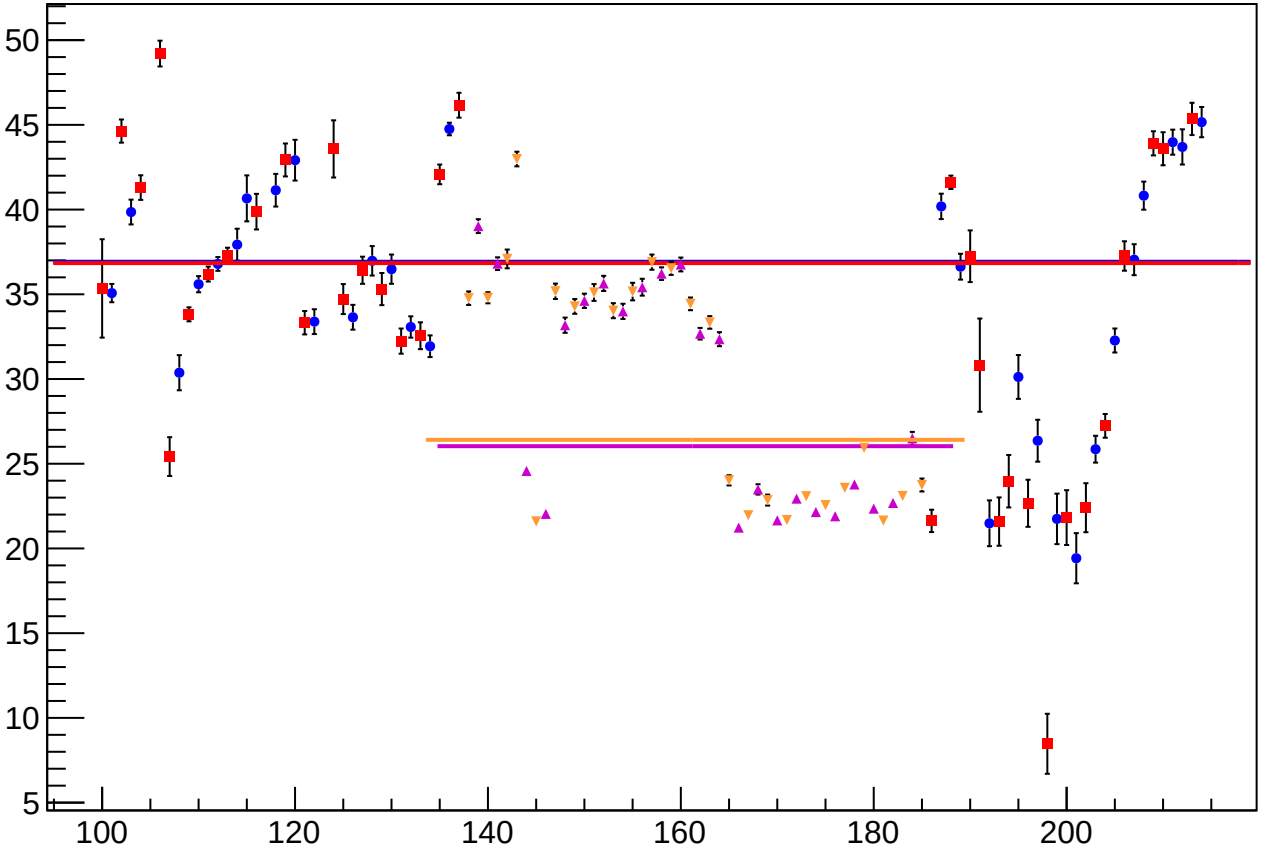
Right: -1.707+/-0.102 χ^2/NDF: 1944.6/63

In: -2.121+/-0.048 χ^2/NDF:1736.9/52

Out: -2.259+/-0.047 χ^2/NDF:1586.6/58

All: -2.192+/-0.034 χ^2/NDF: 3327.8/111

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

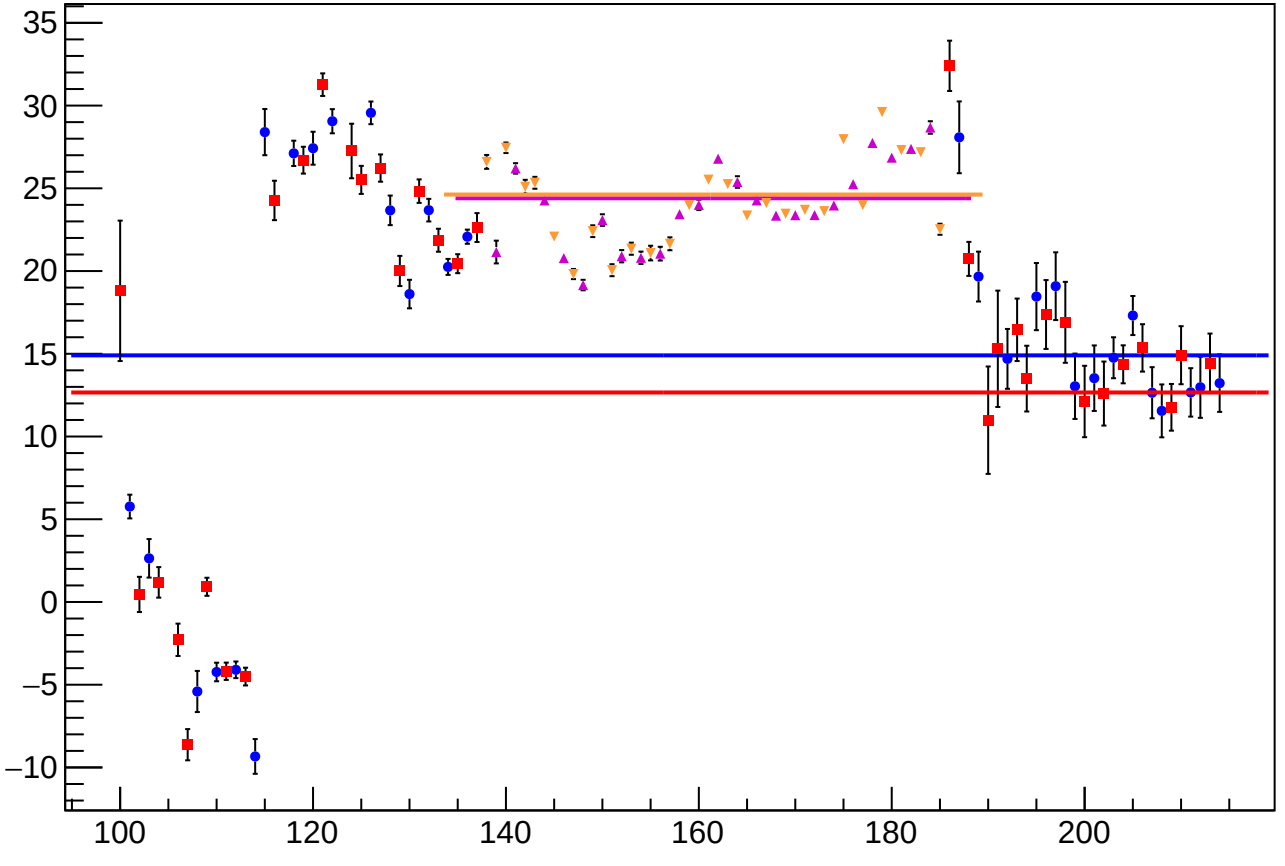
Right: 36.880+/-0.094 χ^2/NDF: 4512.4/63

In: 28.036+/-0.058 χ^2/NDF:14868.2/52

Out: 28.344+/-0.056 χ^2/NDF:17243.9/58

All: 28.194+/-0.040 χ^2/NDF: 32126.8/111

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

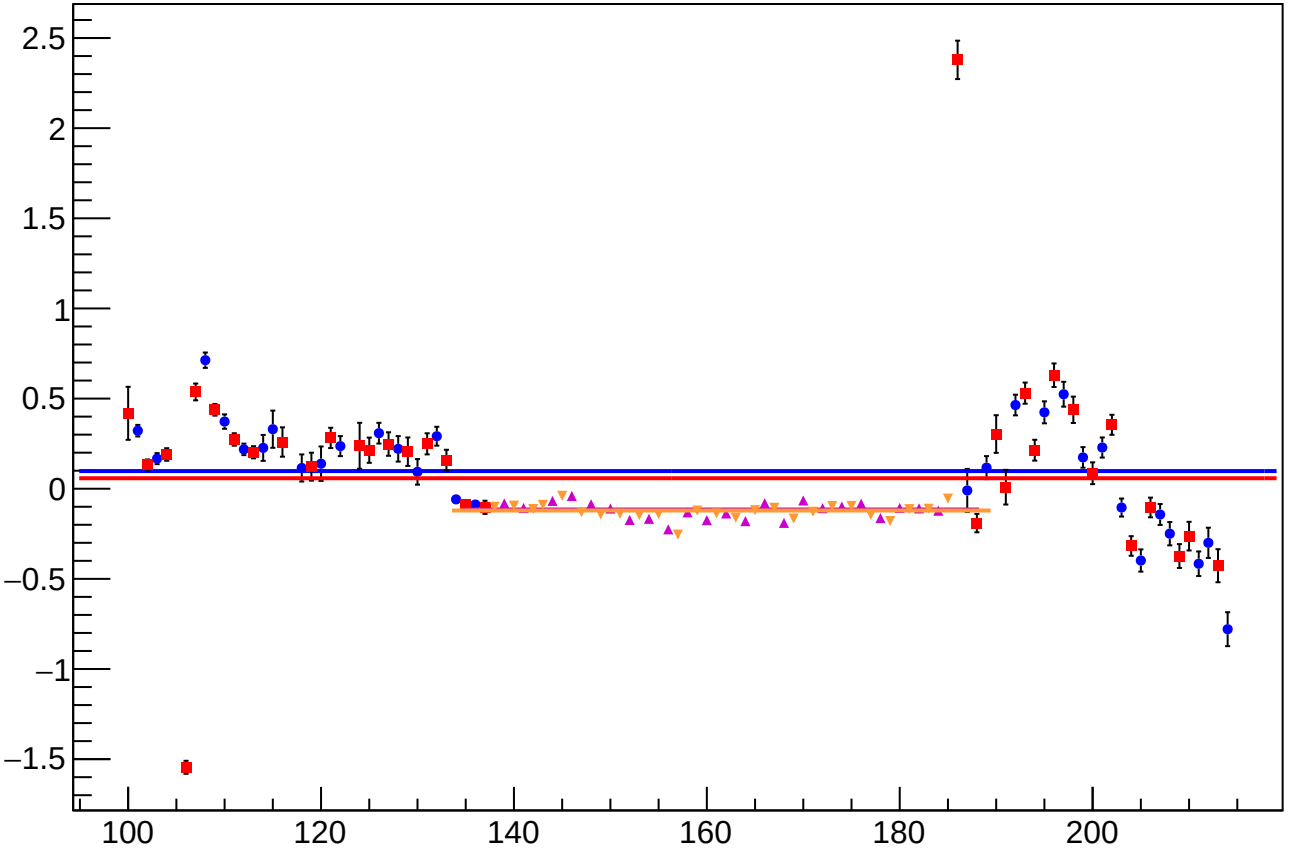
Right: 13.797+/-0.115 χ^2/NDF: 12226.0/63

In: 23.365+/-0.053 χ^2/NDF:10548.5/52

Out: 23.403+/-0.052 χ^2/NDF:13121.7/58

All: 23.384+/-0.037 χ^2/NDF: 23670.5/111

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

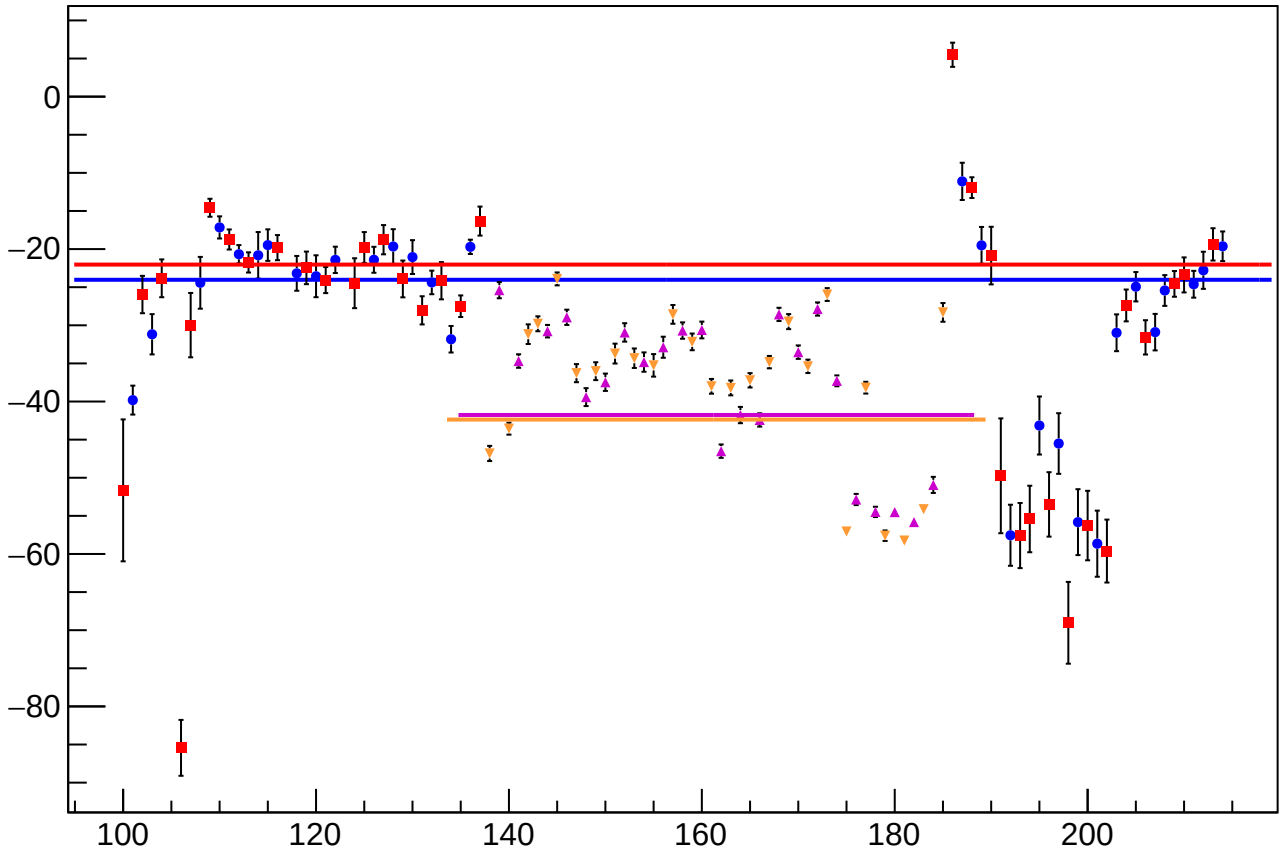
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.079+/-0.006 χ^2/NDF: 4219.2/63

In: -0.097+/-0.002 χ^2/NDF:1838.3/52

Out: -0.107+/-0.002 χ^2/NDF:3945.7/58

All: -0.102+/-0.002 χ^2/NDF: 5792.2/111



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

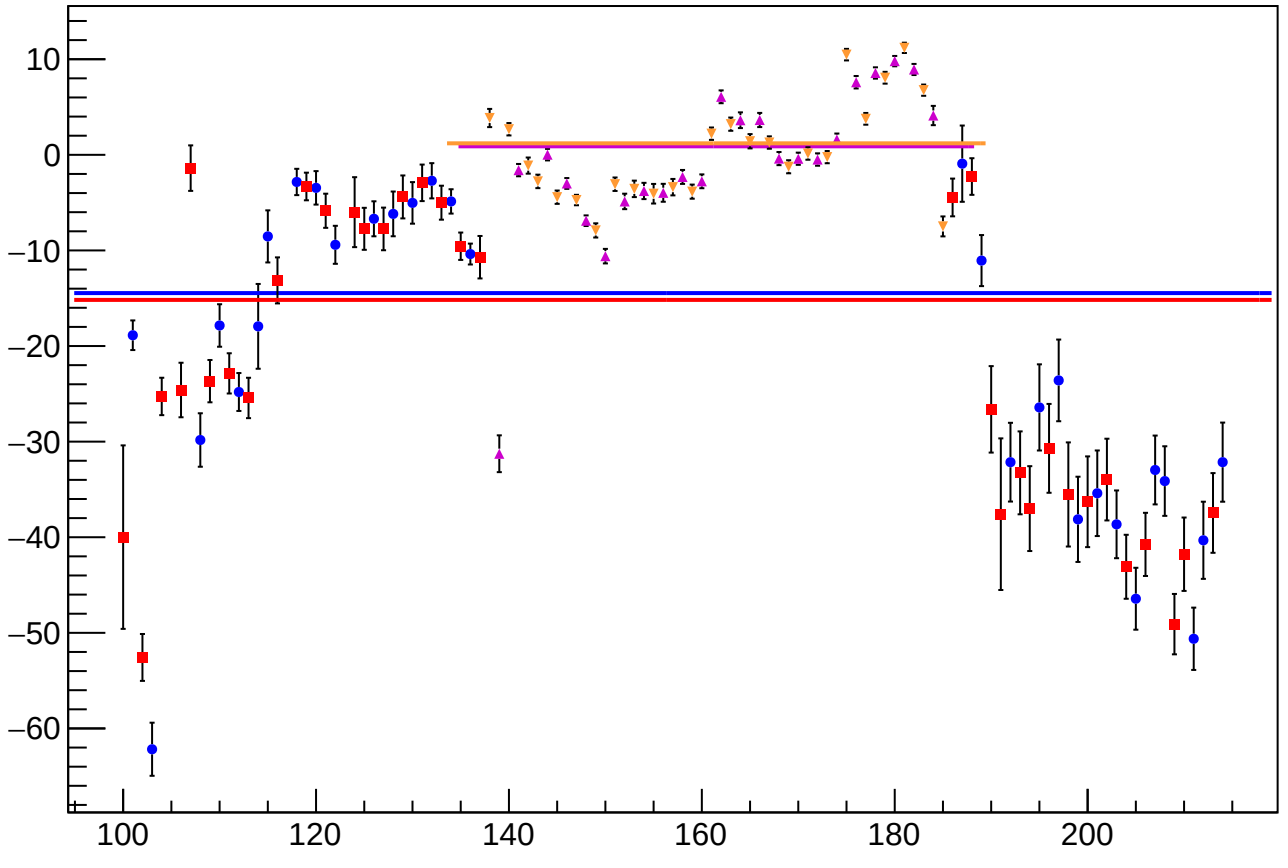
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -23.014+/-0.255 χ^2/NDF: 1679.9/63

In: -38.223+/-0.163 χ^2/NDF:5821.5/52

Out: -38.437+/-0.157 χ^2/NDF:8283.8/58

All: -38.334+/-0.113 χ^2/NDF: 14106.2/111



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

Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

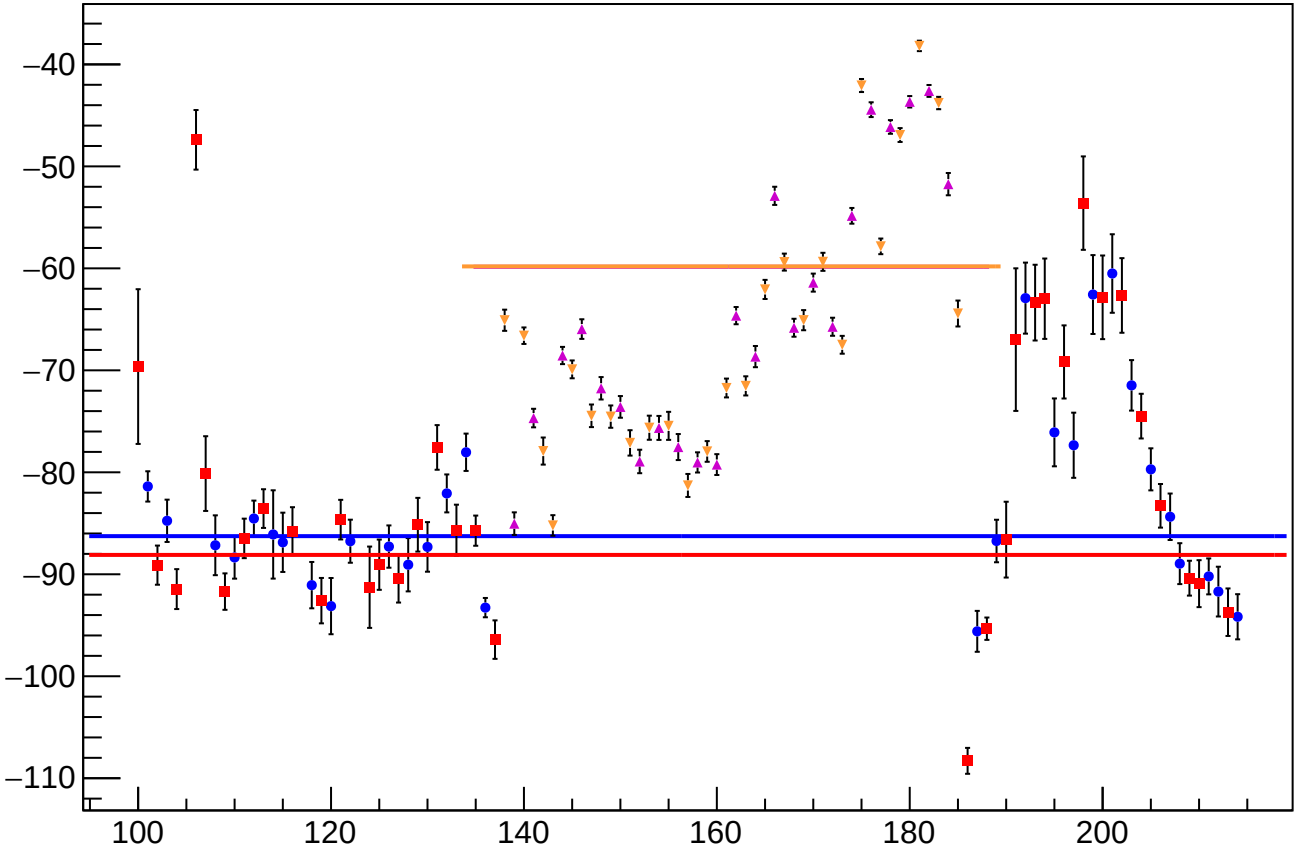
Right: -14.810+/-0.295 χ^2/NDF: 2242.2/63

In: -0.756+/-0.135 χ^2/NDF:4121.4/52

Out: -0.379+/-0.131 χ^2/NDF:3940.7/58

All: -0.562+/-0.094 χ^2/NDF: 8066.1/111

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

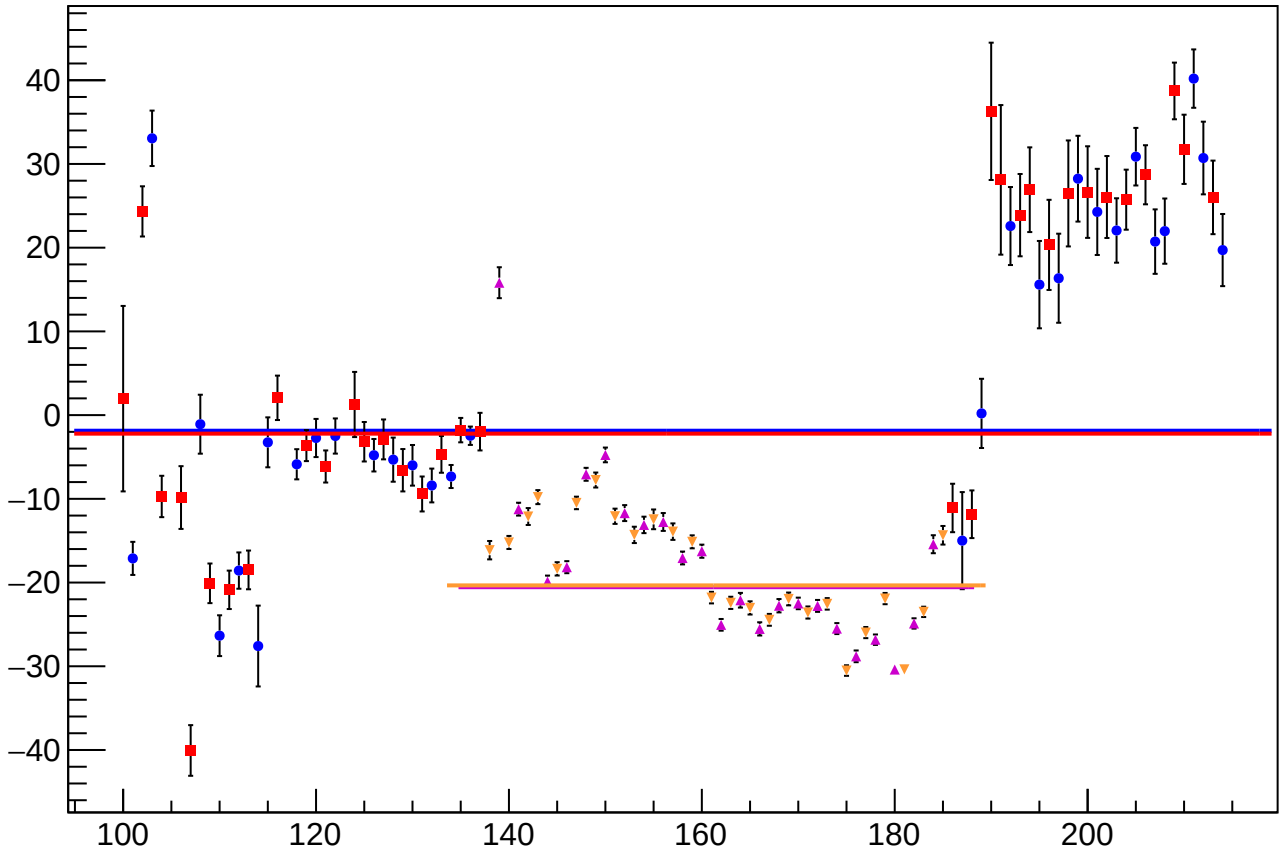
Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

Right: -87.197+/-0.270 χ^2/NDF: 1244.3/63

In: -64.630+/-0.164 χ^2/NDF:9731.7/52

Out: -64.813+/-0.159 χ^2/NDF:12141.3/58

All: -64.724+/-0.114 χ^2/NDF: 21873.6/111



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

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

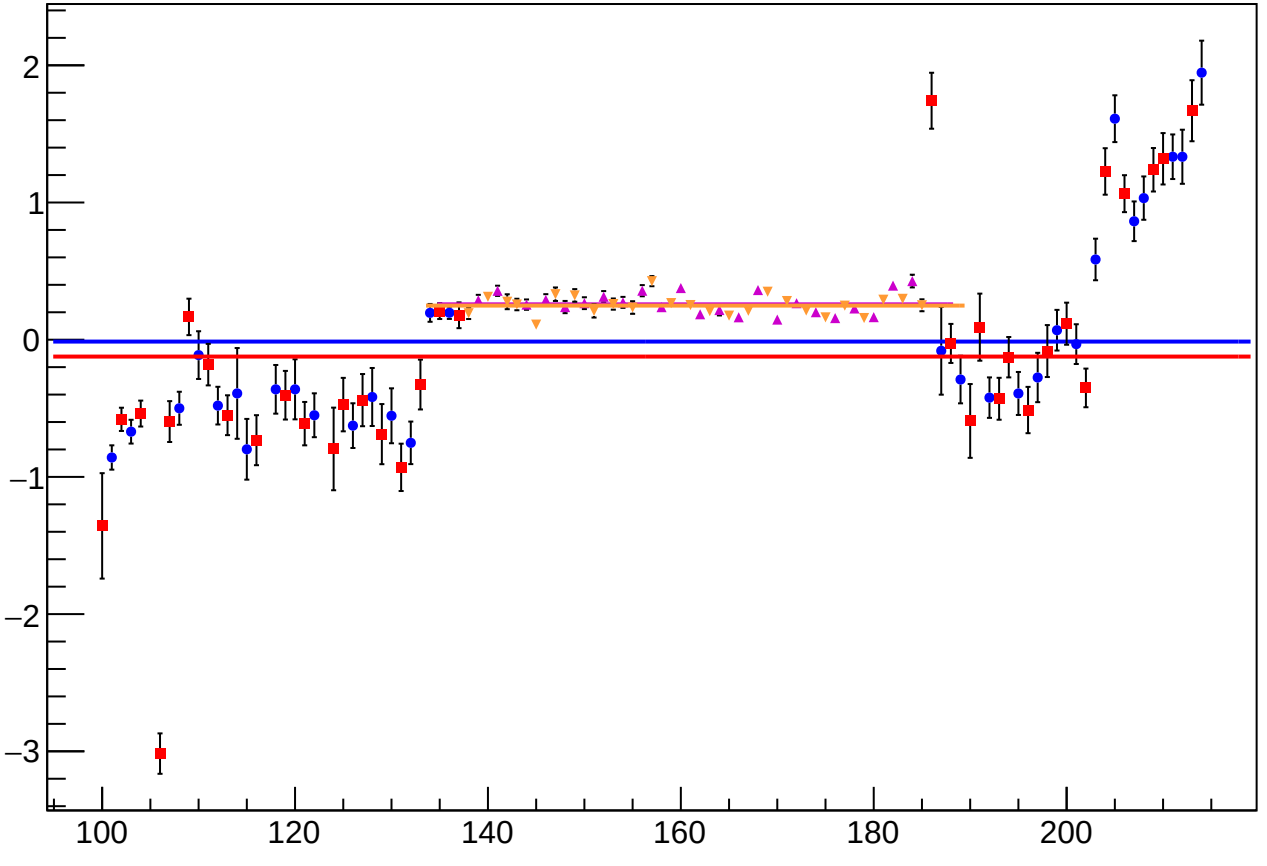
Right: -2.032+/-0.336 χ^2/NDF: 1996.3/63

In: -18.582+/-0.151 χ^2/NDF:4584.5/52

Out: -18.668+/-0.147 χ^2/NDF:4021.5/58

All: -18.626+/-0.105 χ^2/NDF: 8606.2/111

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

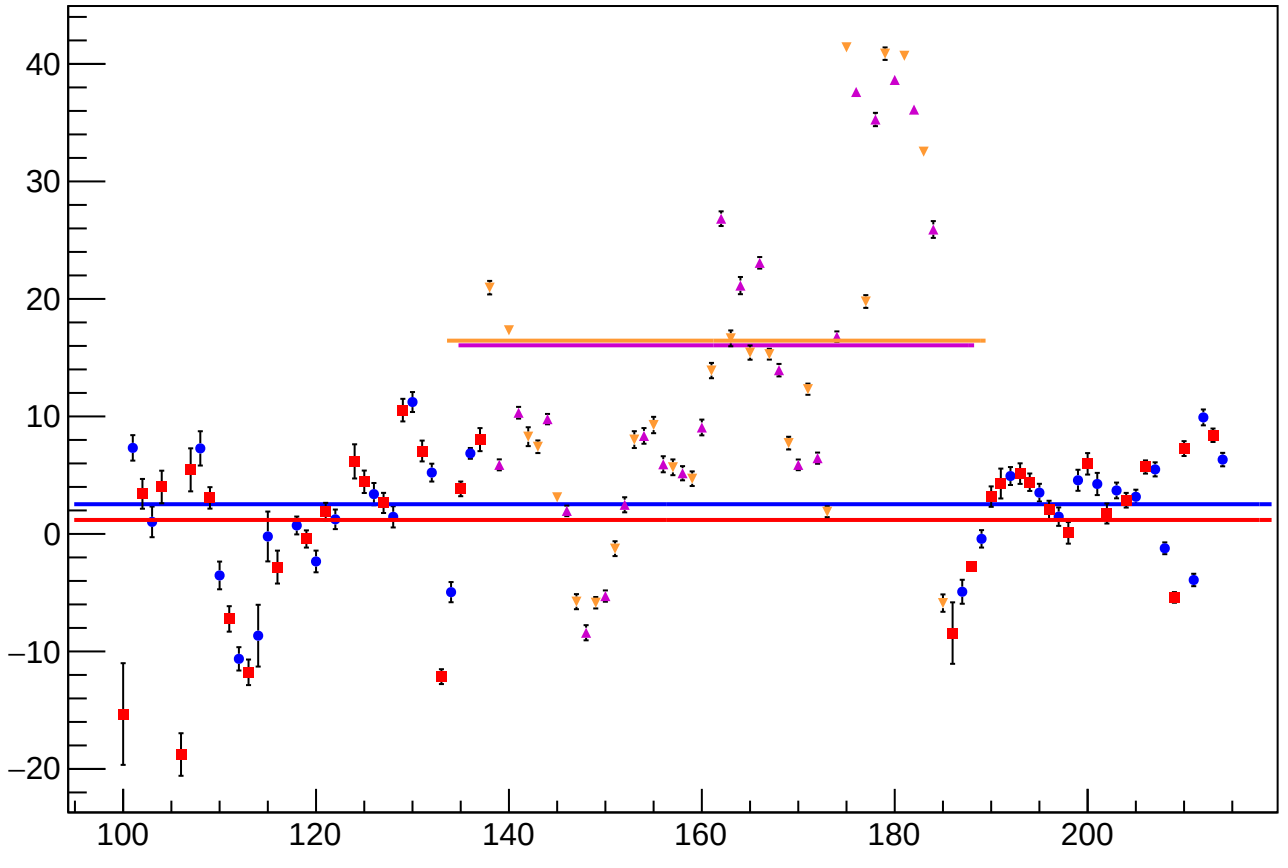
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.065+/-0.017 χ^2/NDF: 1707.7/63

In: 0.234+/-0.007 χ^2/NDF:941.1/52

Out: 0.221+/-0.007 χ^2/NDF:1326.6/58

All: 0.227+/-0.005 χ^2/NDF: 2269.6/111



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

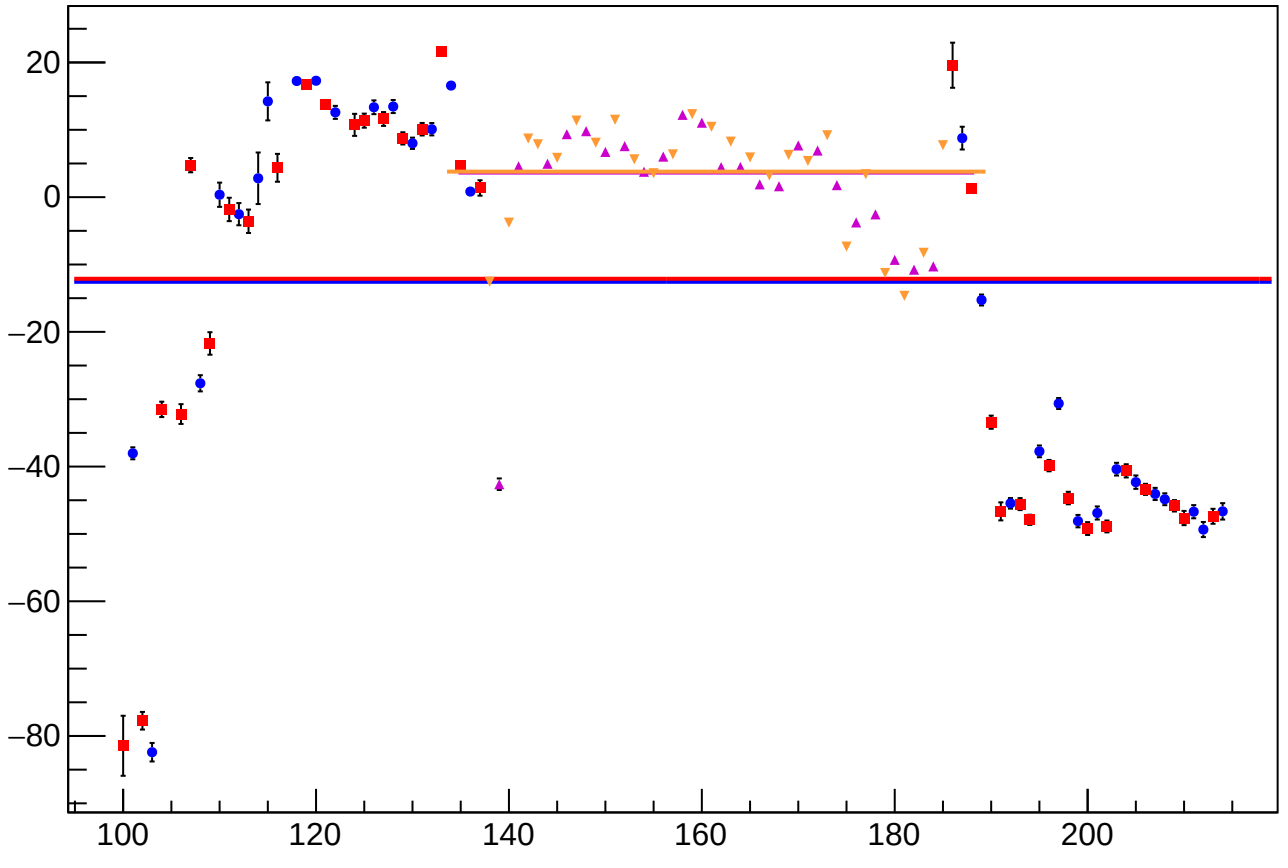
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.837+/-0.098 χ^2/NDF: 2890.1/63

In: 11.074+/-0.085 χ^2/NDF:24538.1/52

Out: 10.815+/-0.083 χ^2/NDF:31130.7/58

All: 10.940+/-0.059 χ^2/NDF: 55673.6/111



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

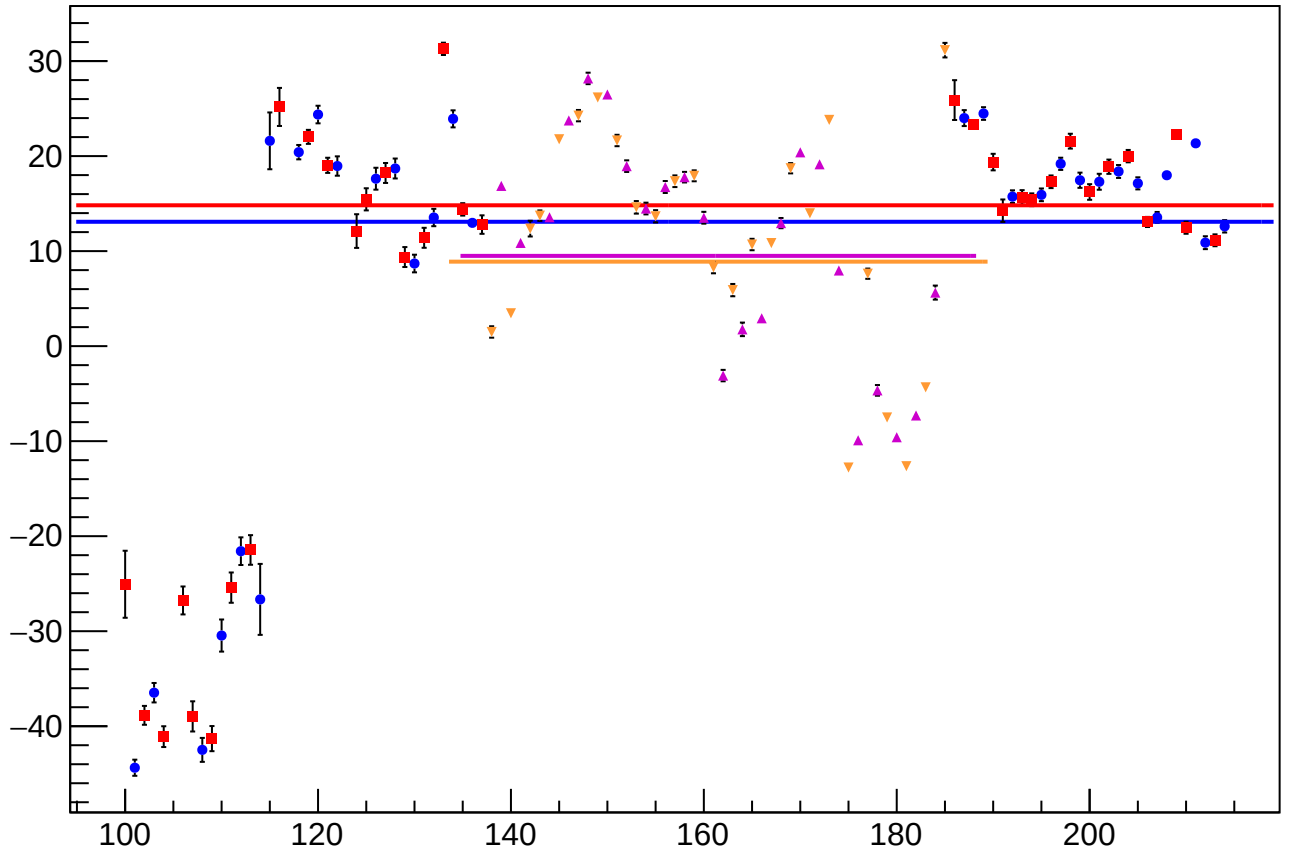
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -12.334+/-0.112 χ^2/NDF: 64113.9/63

In: 0.260+/-0.074 χ^2/NDF:46211.7/52

Out: 0.443+/-0.071 χ^2/NDF:51595.7/58

All: 0.355+/-0.051 χ^2/NDF: 97810.6/111



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

Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

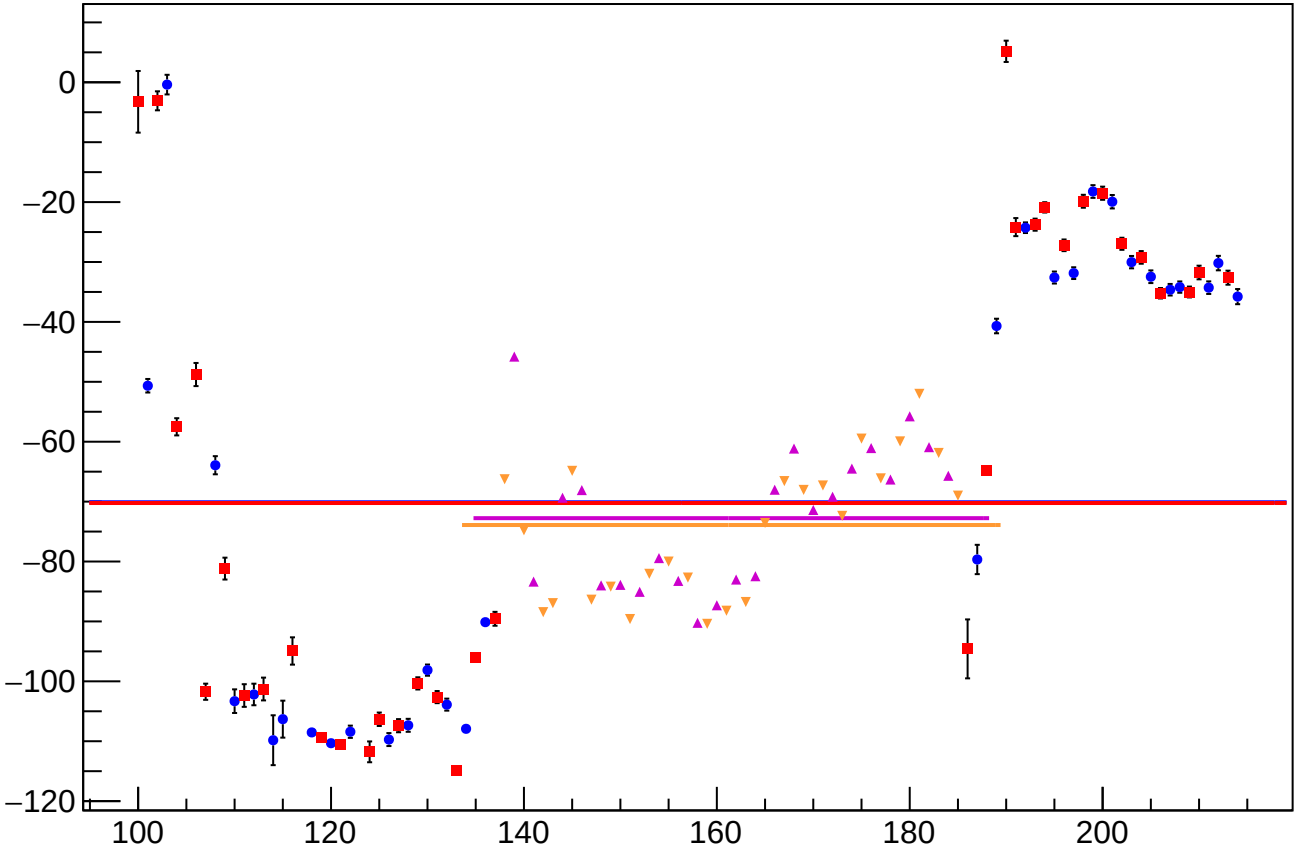
Right: 14.003+/-0.096 χ^2/NDF: 24675.8/63

In: 10.817+/-0.085 χ^2/NDF:25266.9/52

Out: 11.151+/-0.082 χ^2/NDF:29458.4/58

All: 10.990+/-0.059 χ^2/NDF: 54733.3/111

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

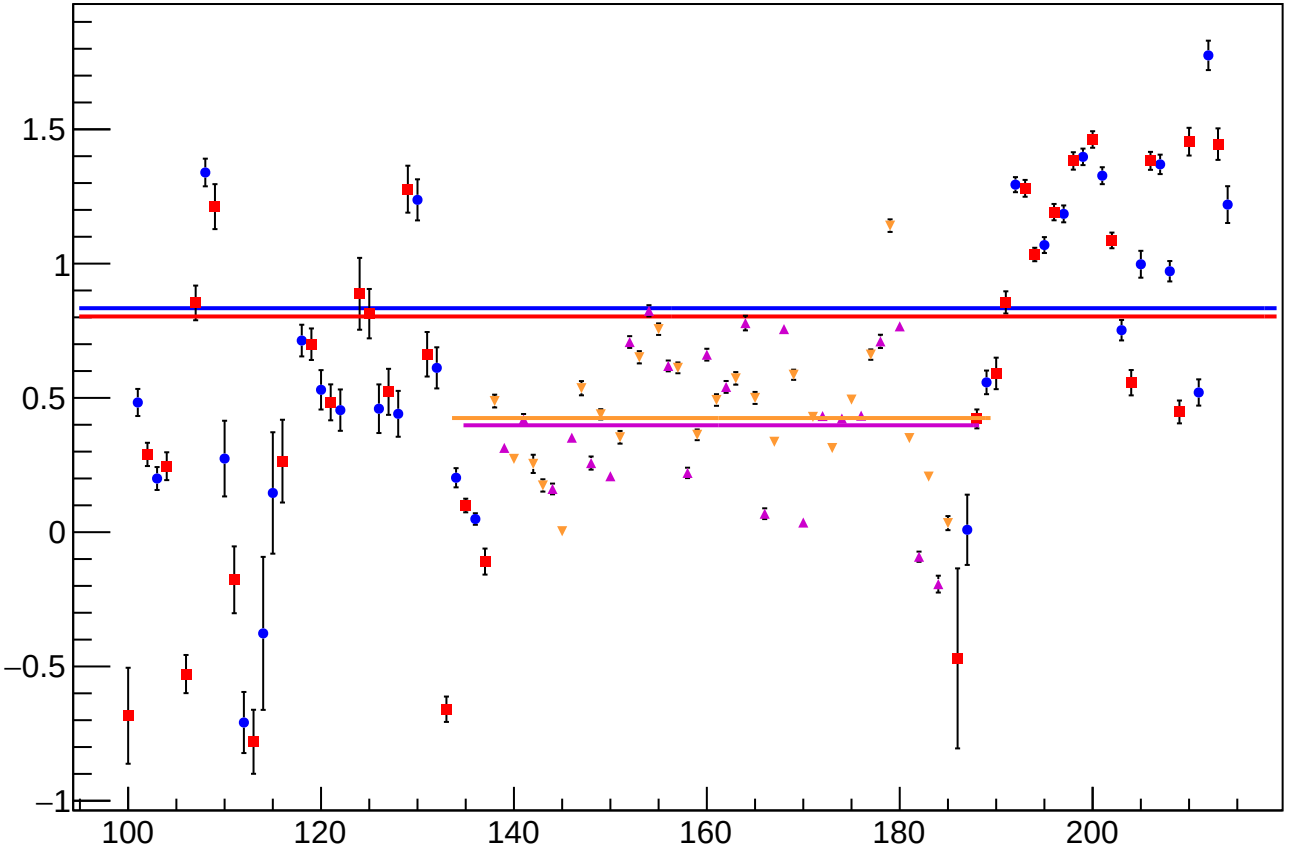
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -70.173+/-0.129 χ^2/NDF: 85177.6/63

In: -72.225+/-0.083 χ^2/NDF:51978.7/52

Out: -73.172+/-0.081 χ^2/NDF:61871.9/58

All: -72.712+/-0.058 χ^2/NDF: 113917.1/111



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

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

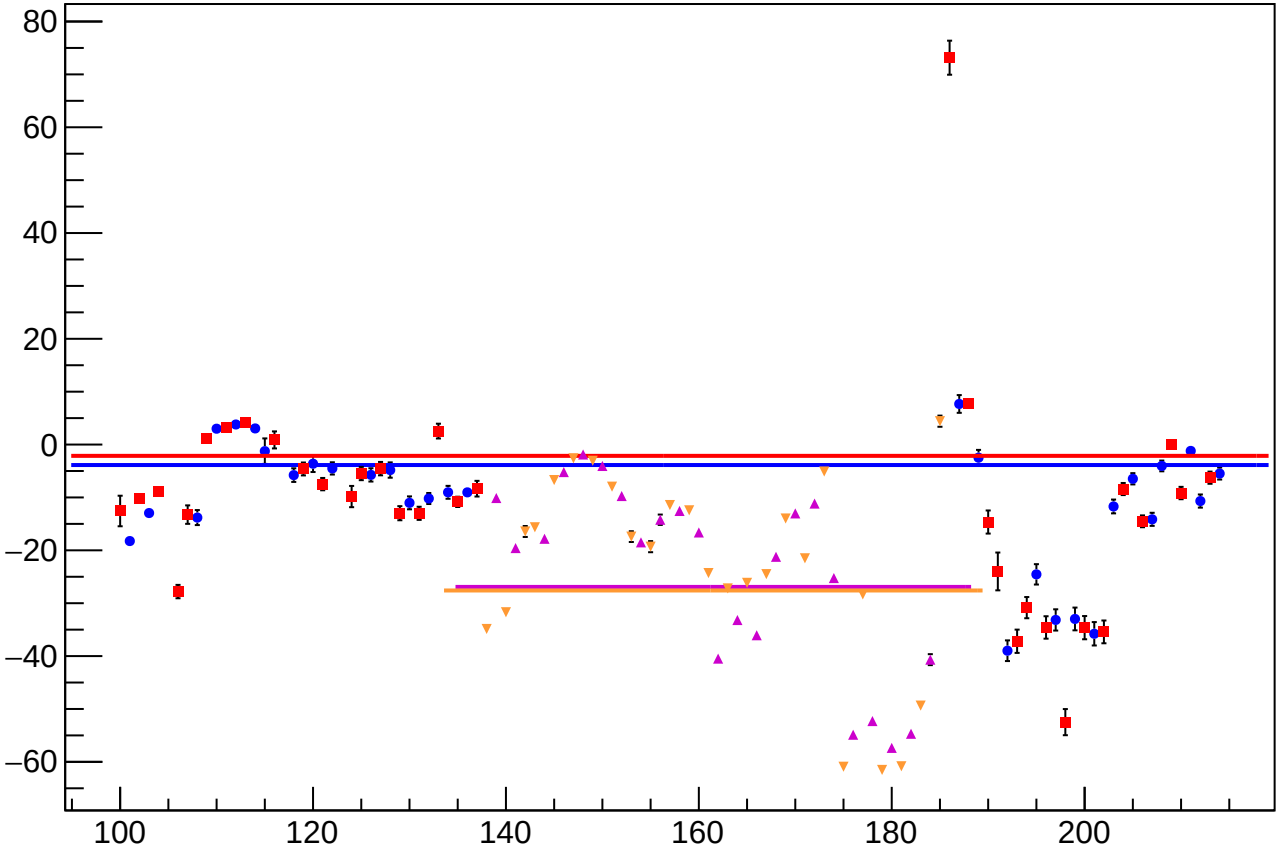
Right: 0.818+/-0.006 χ^2/NDF: 9373.7/63

In: 0.488+/-0.004 χ^2/NDF:10661.7/52

Out: 0.505+/-0.004 χ^2/NDF:10154.7/58

All: 0.497+/-0.003 χ^2/NDF: 20827.7/111

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

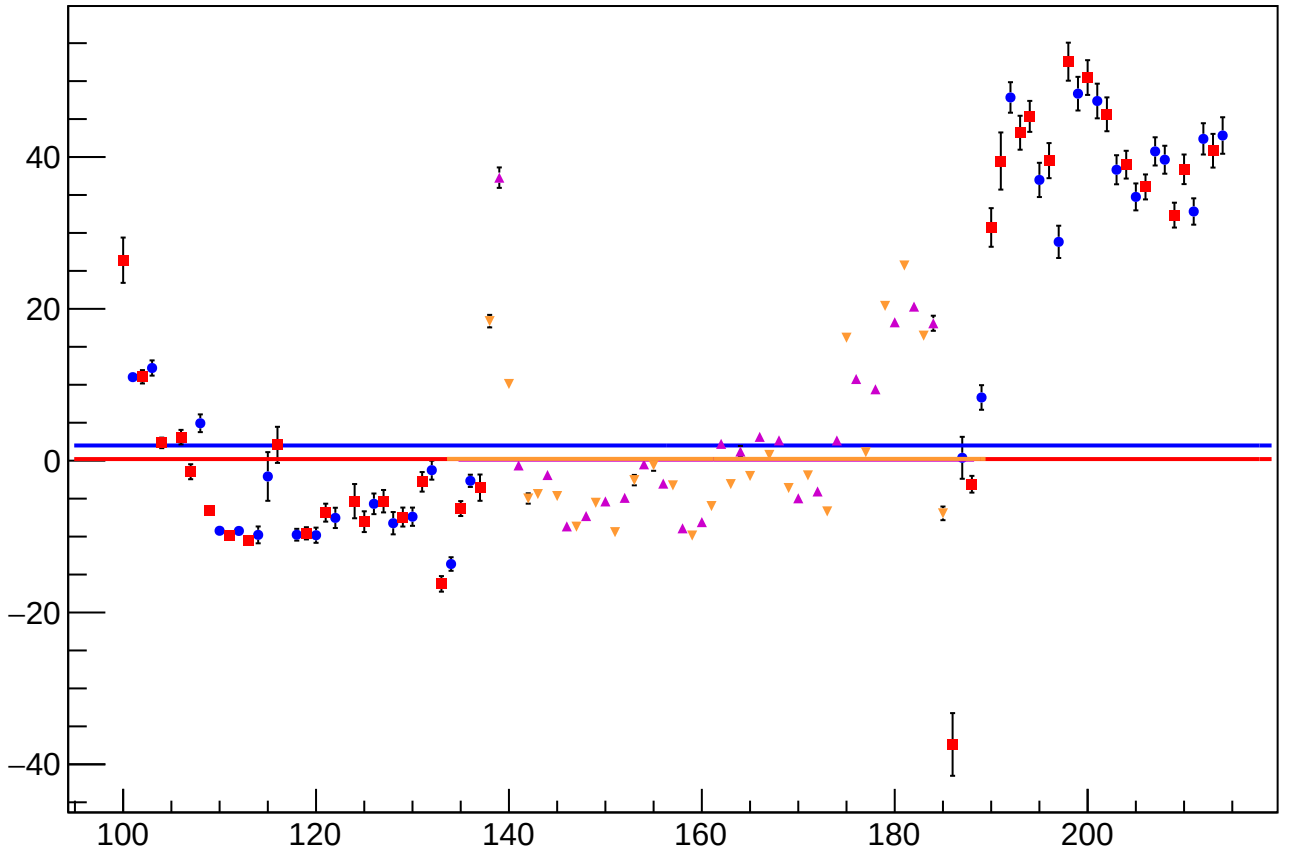
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -2.921+/-0.114 χ^2/NDF: 6945.4/63

In: -16.857+/-0.112 χ^2/NDF:28762.7/52

Out: -15.696+/-0.105 χ^2/NDF:38383.3/58

All: -16.241+/-0.077 χ^2/NDF: 67203.1/111



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

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

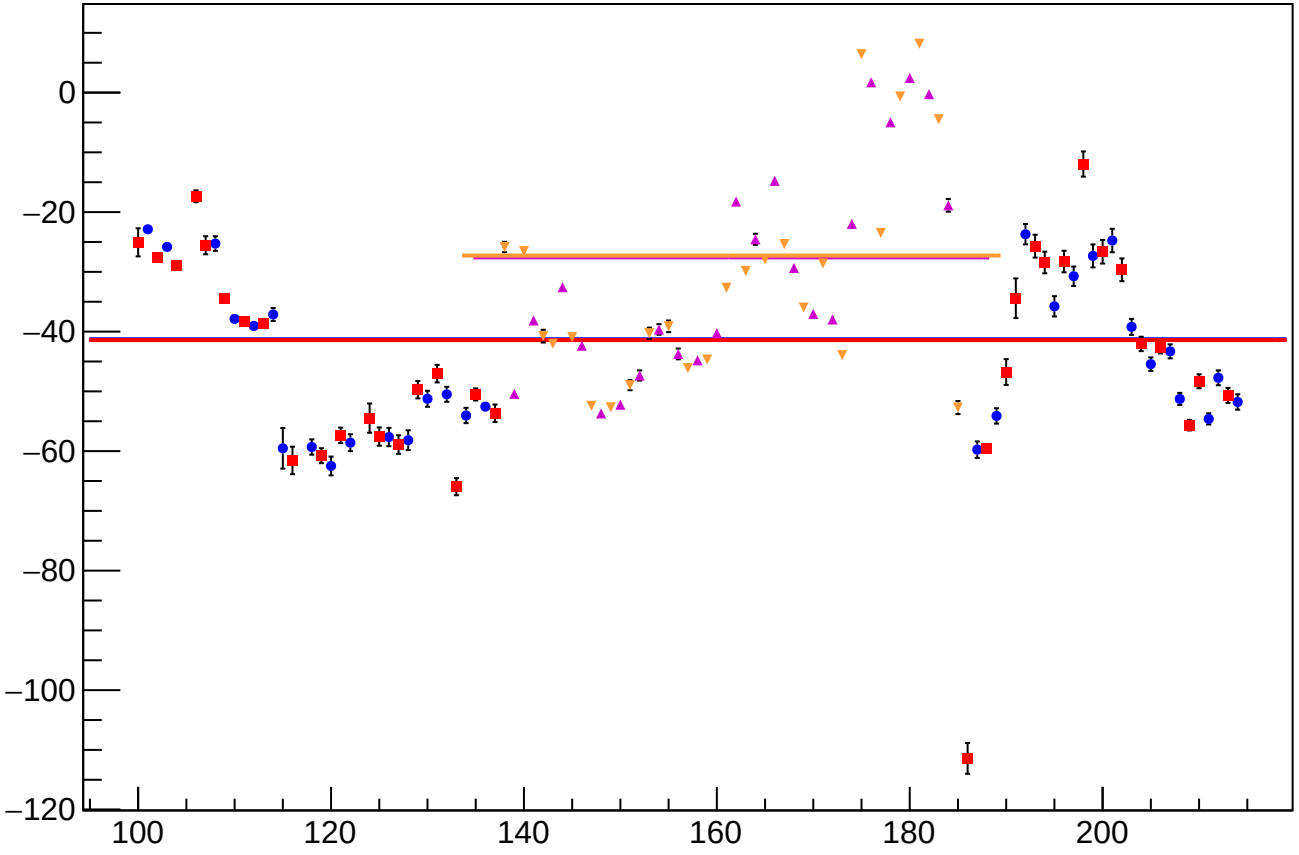
Right: 1.077+/-0.145 χ^2/NDF: 12863.8/63

In: 0.566+/-0.100 χ^2/NDF:12294.0/52

Out: 0.232+/-0.097 χ^2/NDF:14466.7/58

All: 0.393+/-0.070 χ^2/NDF: 26766.4/111

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

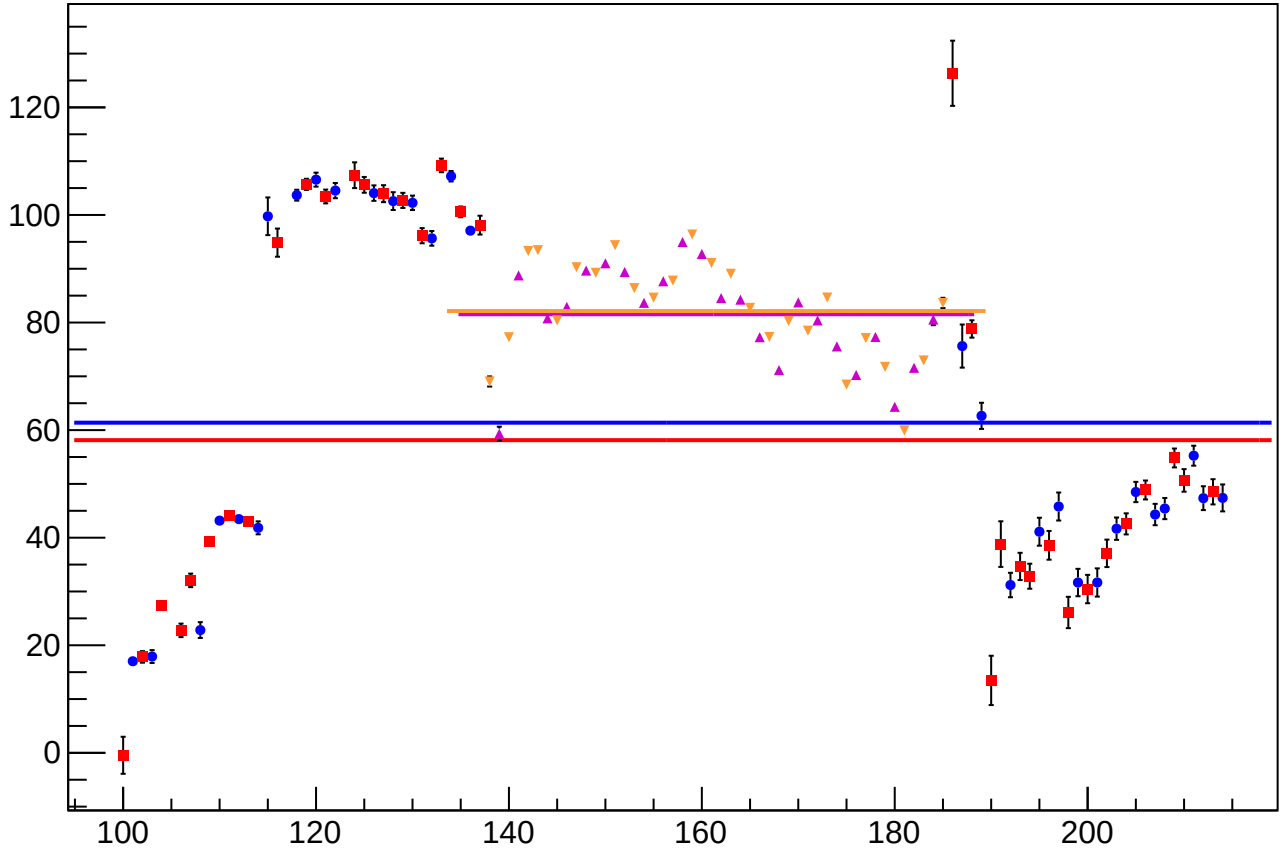
Right: -41.349+/-0.130 χ^2/NDF: 9351.1/63

In: -32.778+/-0.117 χ^2/NDF:22886.6/52

Out: -32.801+/-0.112 χ^2/NDF:27656.7/58

All: -32.790+/-0.081 χ^2/NDF: 50543.3/111

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

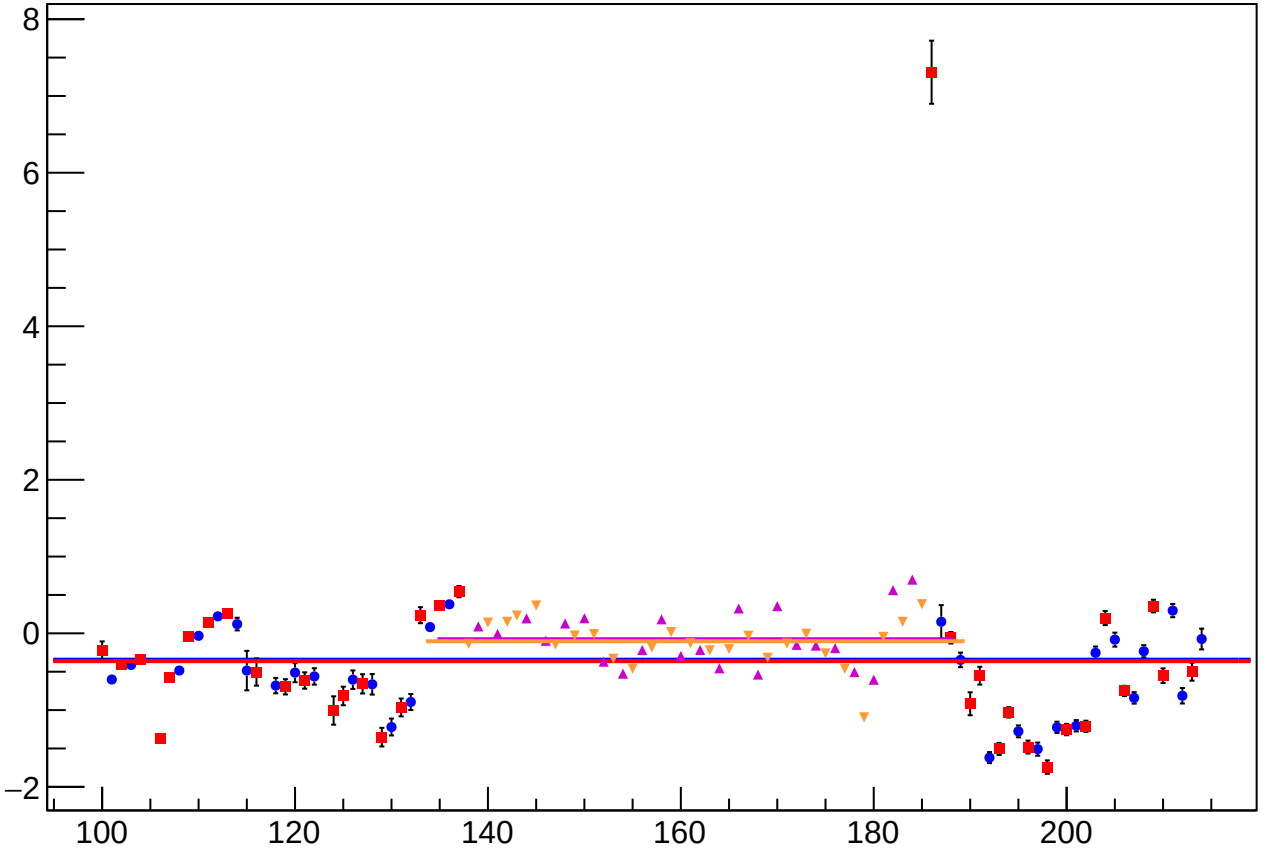
Right: 59.709+/-0.165 χ^2/NDF: 38284.1/63

In: 76.940+/-0.113 χ^2/NDF:29241.4/52

Out: 76.680+/-0.110 χ^2/NDF:32348.5/58

All: 76.806+/-0.079 χ^2/NDF: 61592.7/111

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

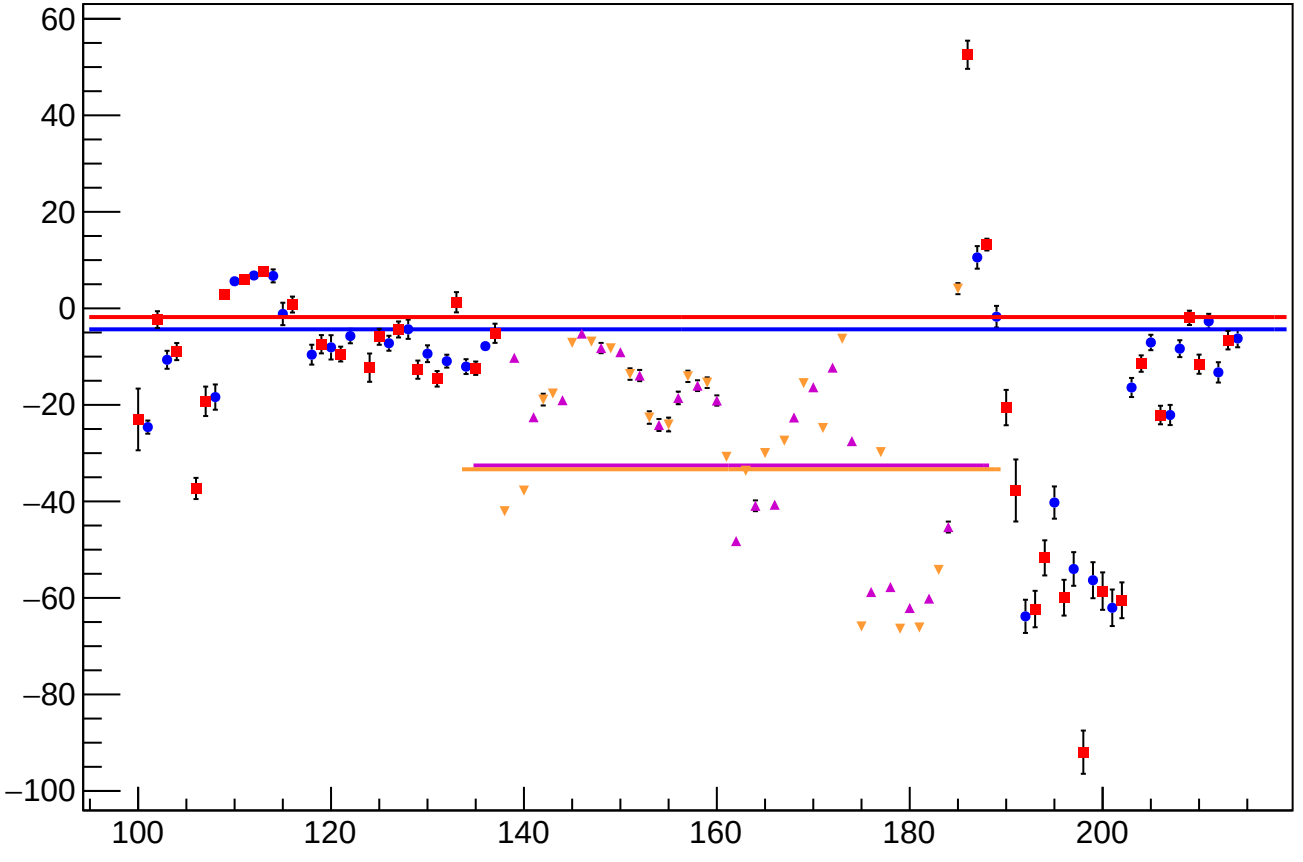
Right: -0.353+/-0.008 χ^2/NDF: 5156.5/63

In: -0.129+/-0.005 χ^2/NDF:5854.3/52

Out: -0.155+/-0.005 χ^2/NDF:5882.4/58

All: -0.143+/-0.004 χ^2/NDF: 11749.7/111

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

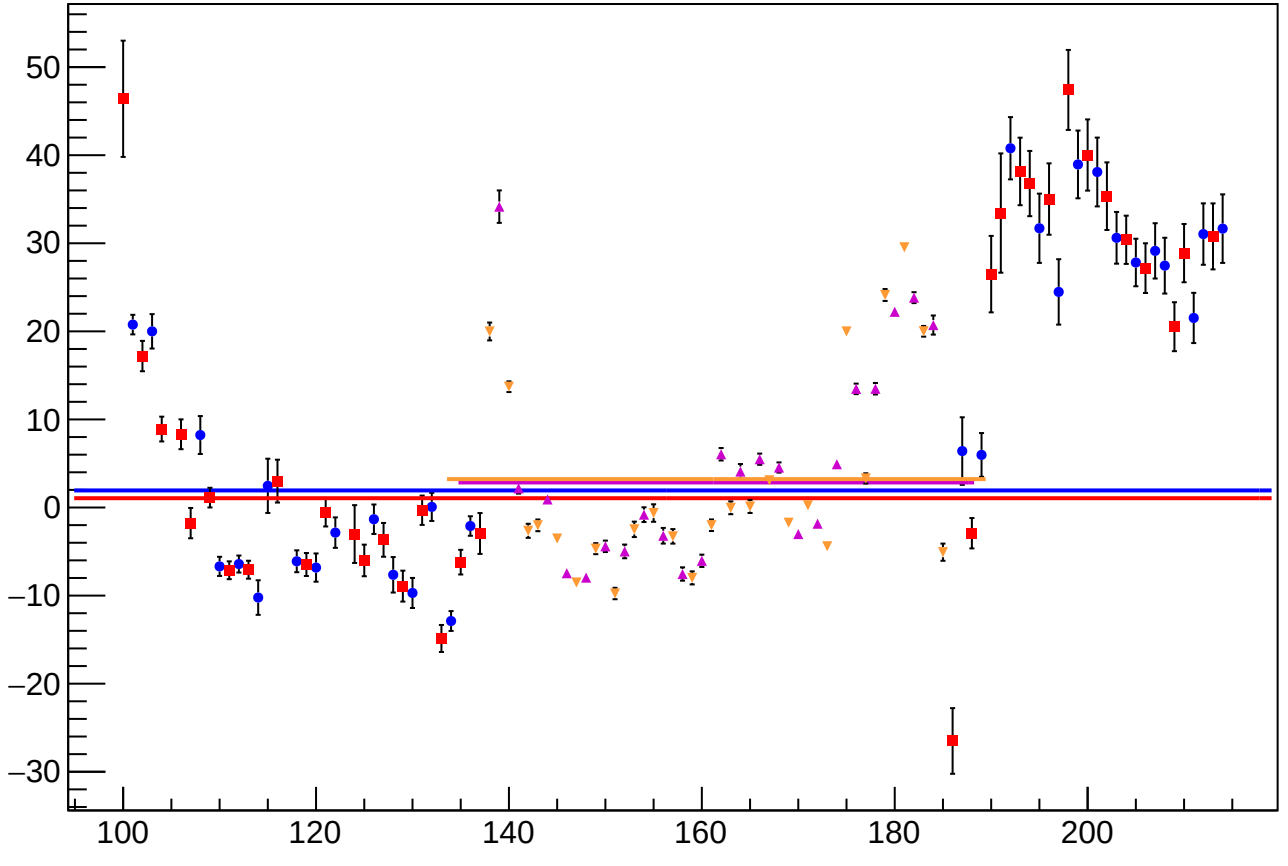
Right: -2.984+/-0.186 χ^2/NDF: 5511.5/63

In: -24.693+/-0.144 χ^2/NDF:23828.1/52

Out: -24.028+/-0.138 χ^2/NDF:32102.7/58

All: -24.347+/-0.100 χ^2/NDF: 55941.9/111

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

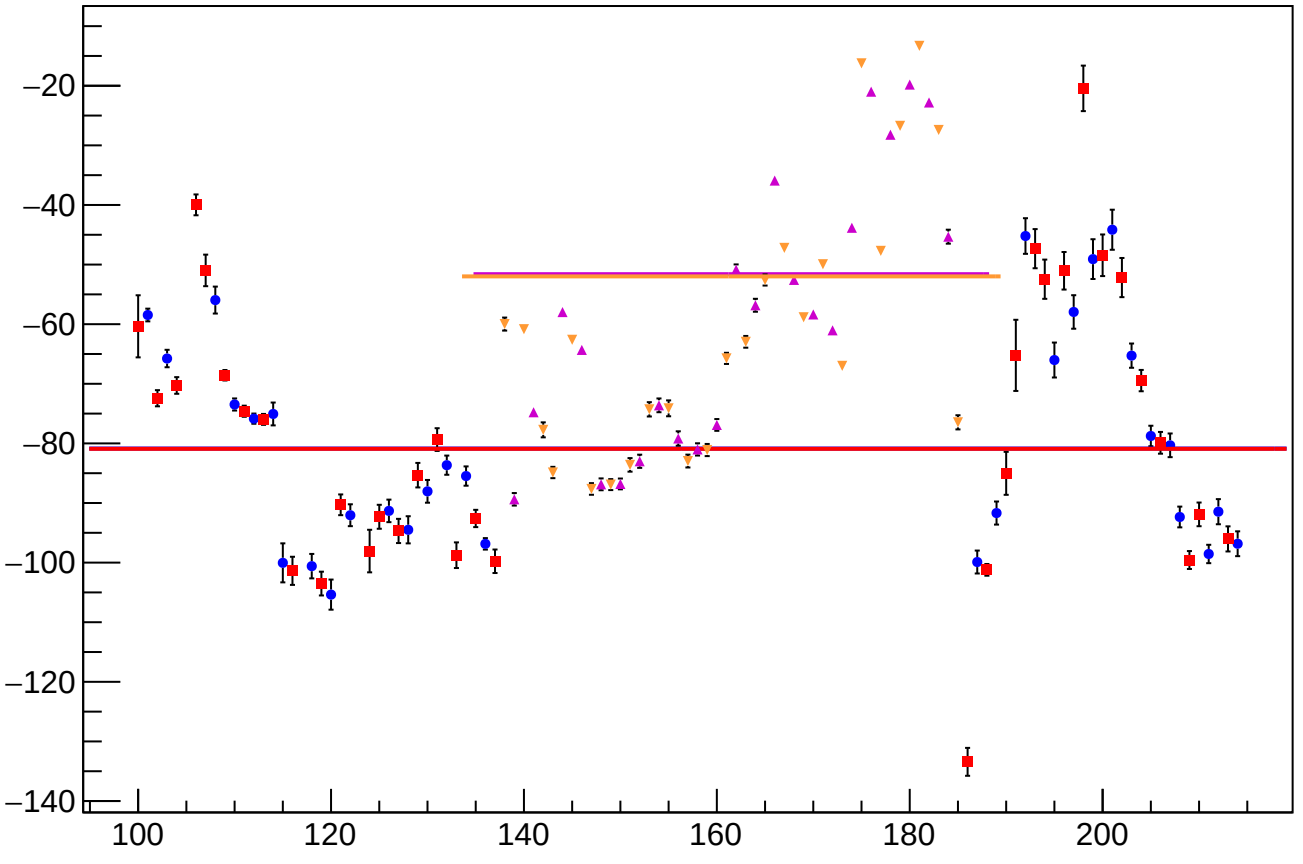
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: 1.494+/-0.232 χ^2/NDF: 3379.9/63

In: 2.721+/-0.122 χ^2/NDF:7259.1/52

Out: 2.936+/-0.119 χ^2/NDF:9292.8/58

All: 2.831+/-0.085 χ^2/NDF: 16553.5/111



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

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

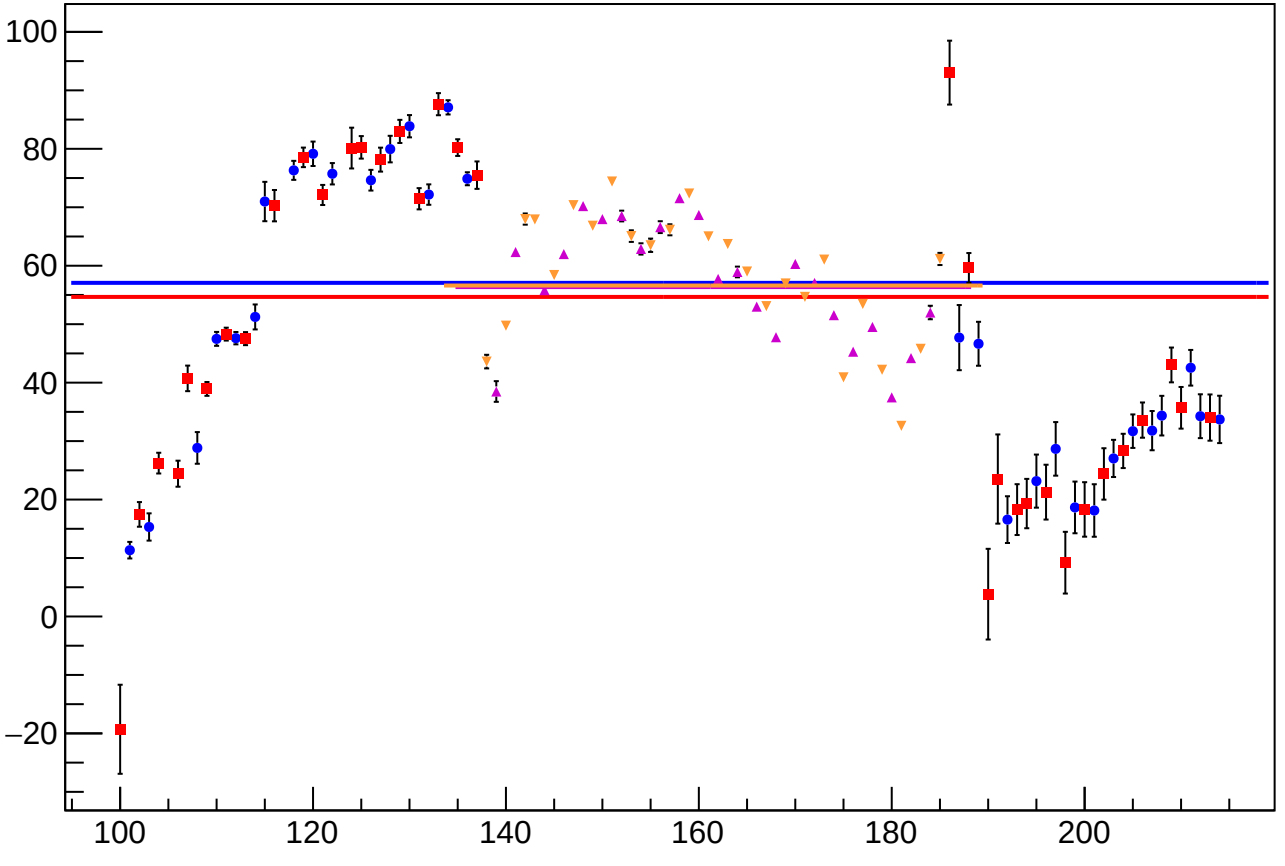
Right: -80.887+/-0.213 χ^2/NDF: 5809.1/63

In: -58.434+/-0.148 χ^2/NDF:26890.6/52

Out: -58.815+/-0.144 χ^2/NDF:31688.3/58

All: -58.630+/-0.103 χ^2/NDF: 58582.4/111

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

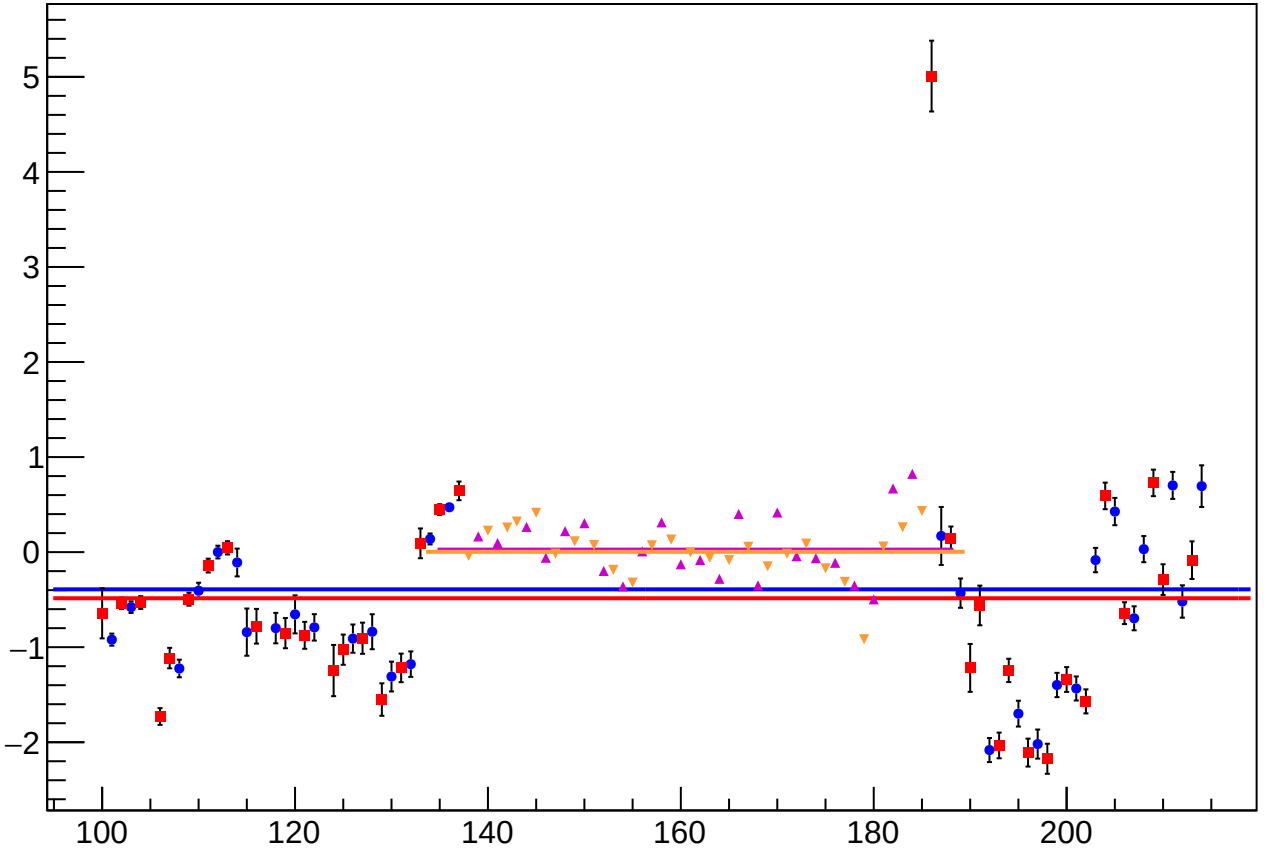
Right: 55.867+/-0.263 χ^2/NDF: 7594.3/63

In: 56.446+/-0.137 χ^2/NDF:8024.5/52

Out: 56.358+/-0.134 χ^2/NDF:9210.8/58

All: 56.401+/-0.096 χ^2/NDF: 17235.5/111

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

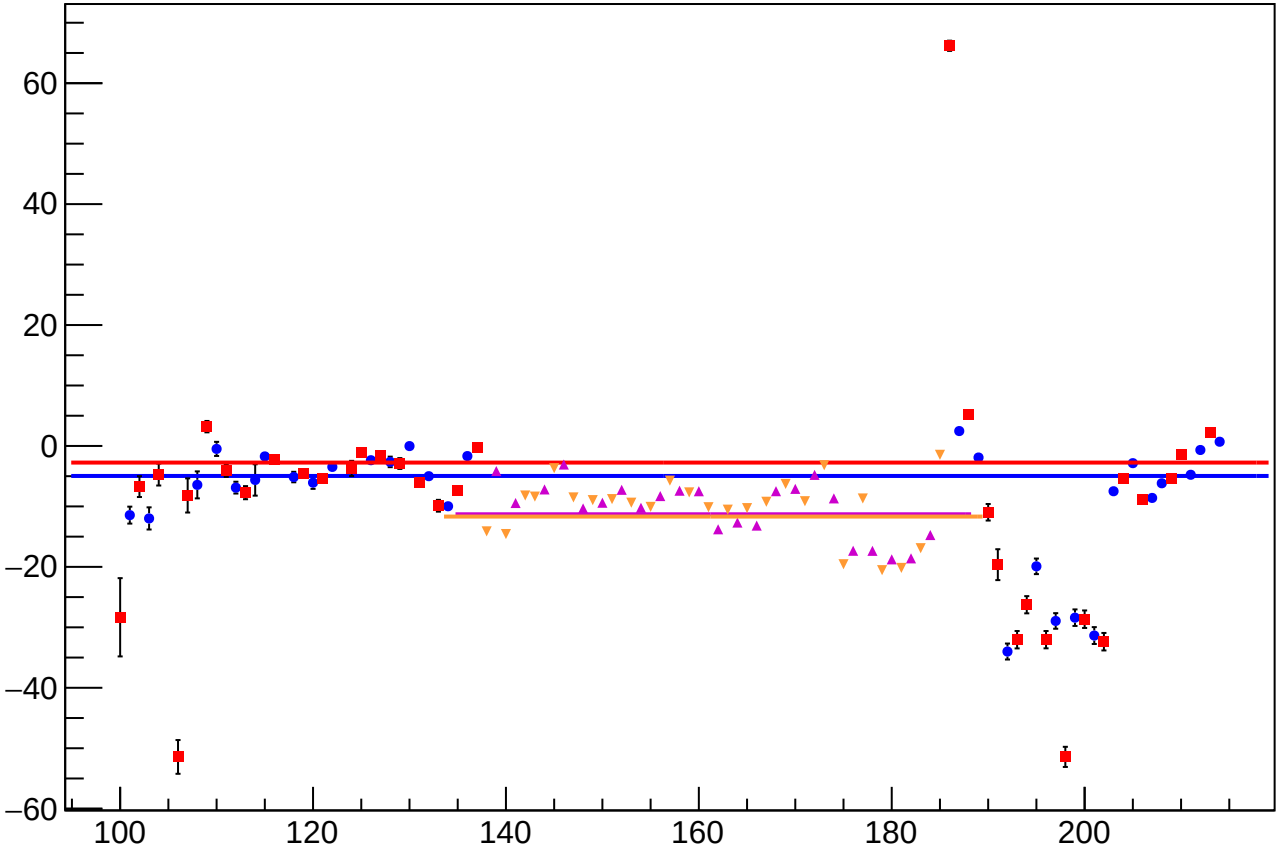
Right: -0.438+/-0.013 χ^2/NDF: 3177.9/63

In: -0.019+/-0.006 χ^2/NDF:4194.5/52

Out: -0.047+/-0.006 χ^2/NDF:4050.1/58

All: -0.033+/-0.004 χ^2/NDF: 8254.8/111

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

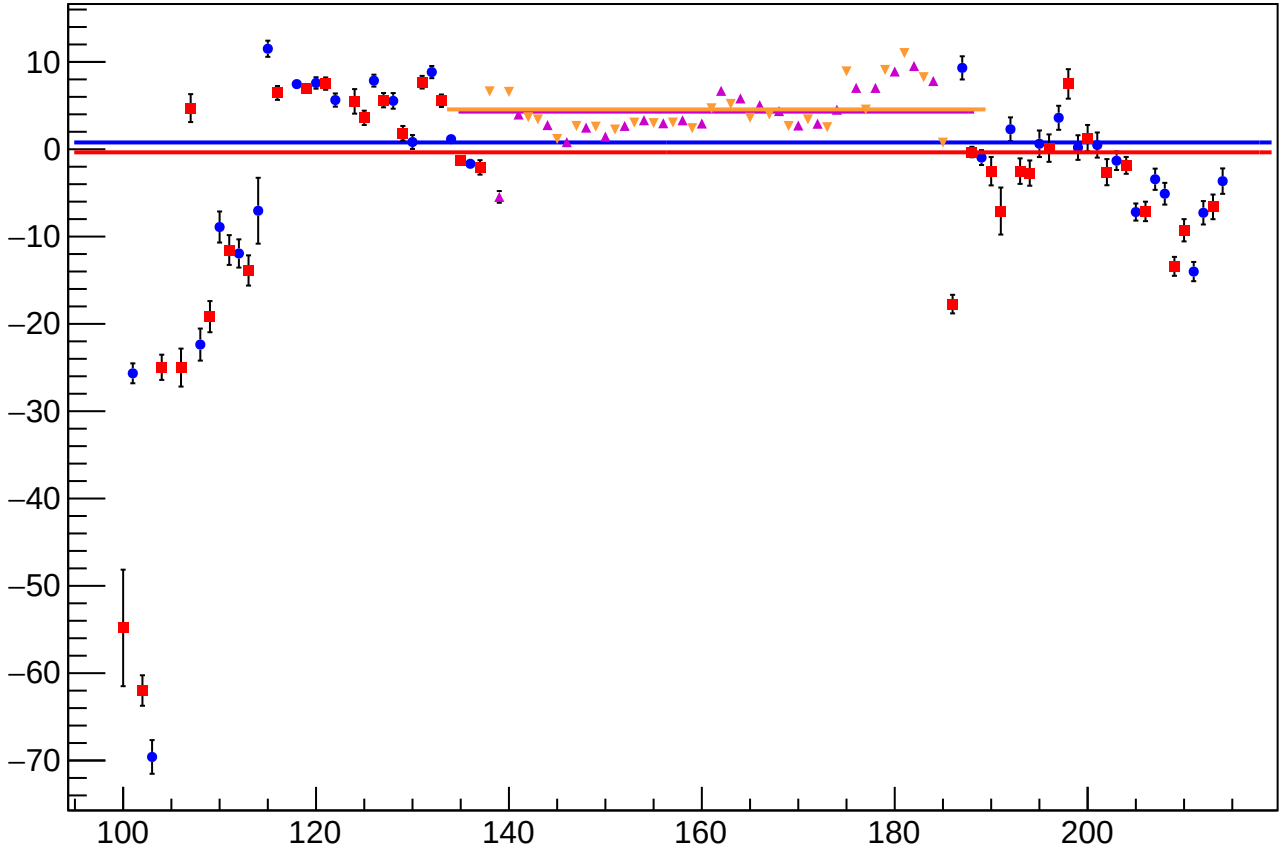
Right: -3.885+/-0.102 χ^2/NDF: 12833.9/63

In: -10.507+/-0.050 χ^2/NDF:13103.1/52

Out: -10.657+/-0.050 χ^2/NDF:26467.0/58

All: -10.584+/-0.035 χ^2/NDF: 39574.6/111

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

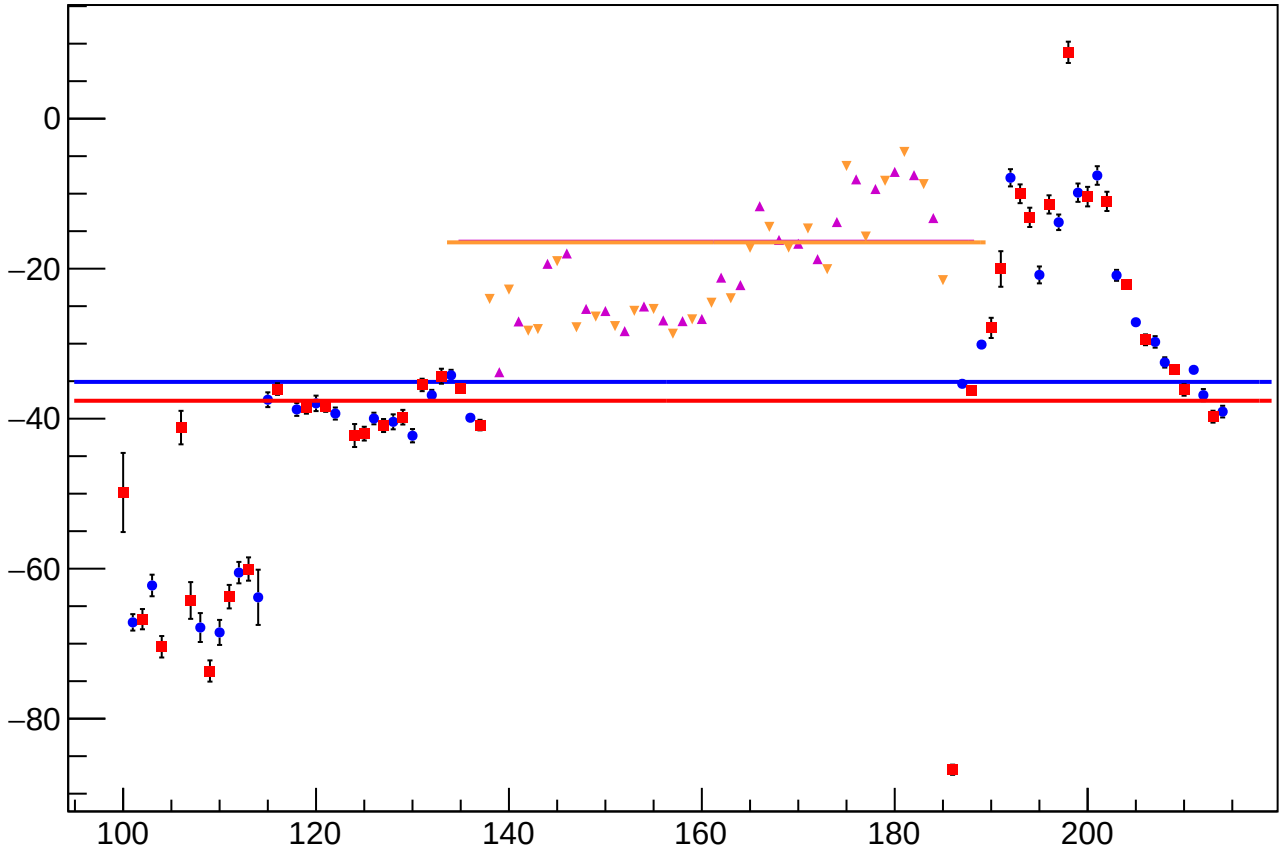
Right: 0.244+/-0.119 χ^2/NDF: 6476.2/63

In: 4.088+/-0.041 χ^2/NDF:7301.4/52

Out: 4.296+/-0.040 χ^2/NDF:8325.3/58

All: 4.193+/-0.029 χ^2/NDF: 15639.9/111

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

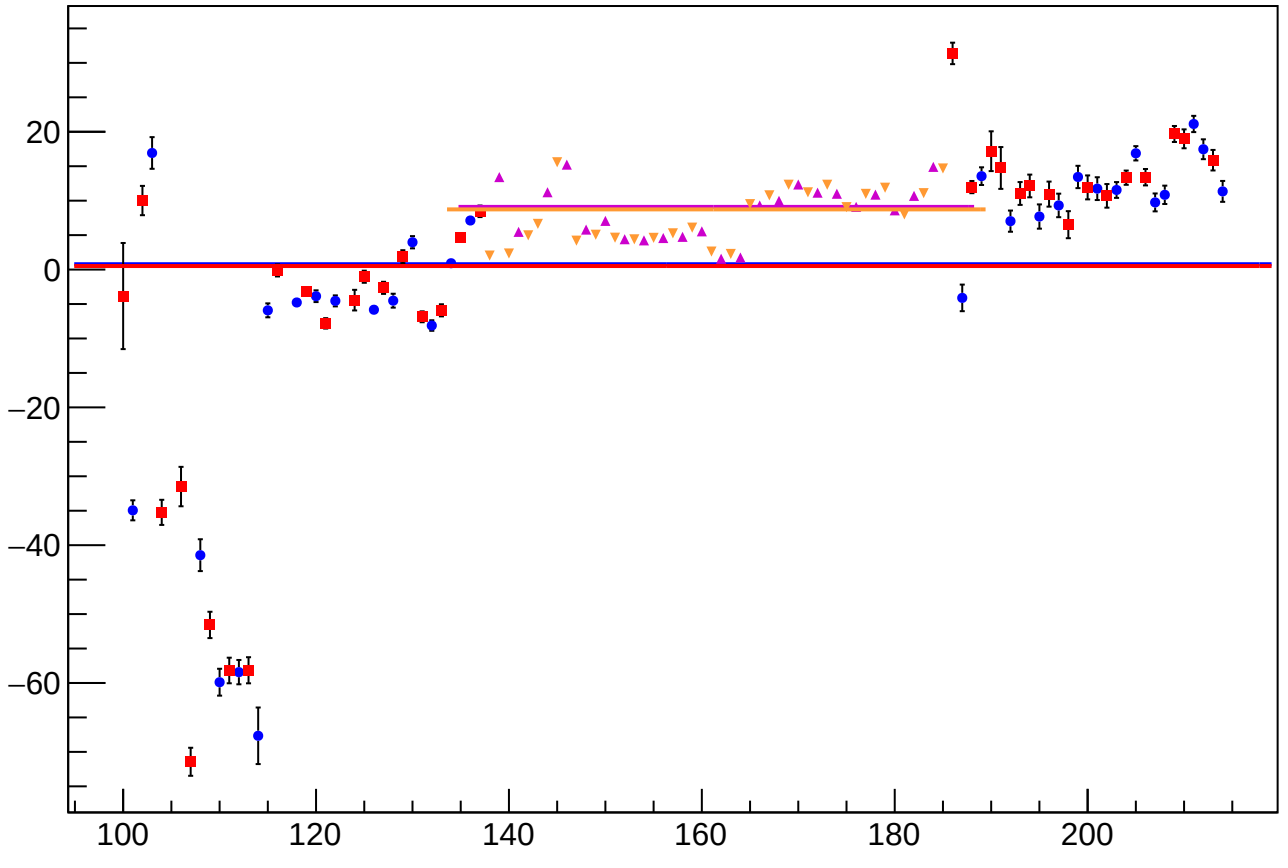
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -36.341+/-0.105 χ^2/NDF: 17386.2/63

In: -18.599+/-0.051 χ^2/NDF:37582.4/52

Out: -18.838+/-0.050 χ^2/NDF:51583.5/58

All: -18.721+/-0.035 χ^2/NDF: 89177.2/111



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

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

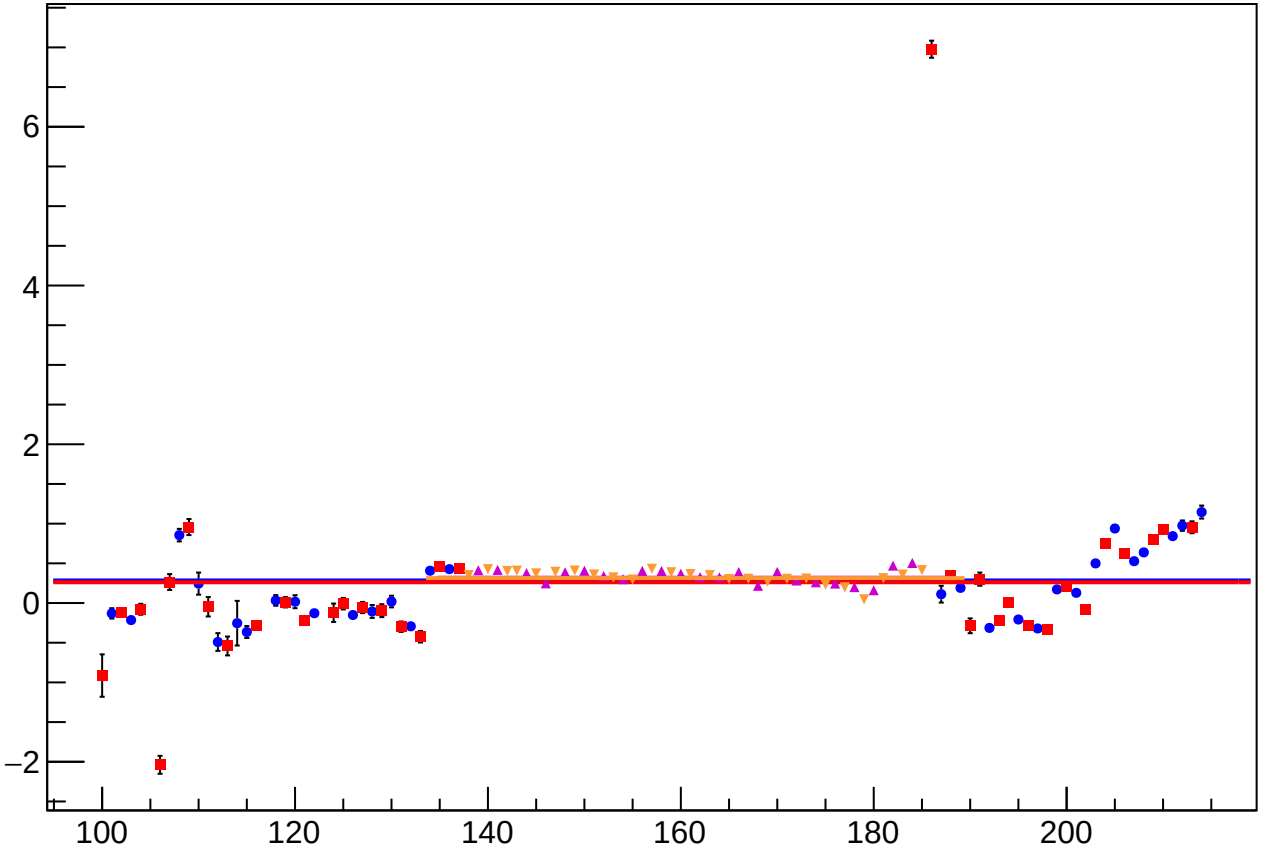
Right: 0.654+/-0.134 χ^2/NDF: 11824.4/63

In: 8.578+/-0.046 χ^2/NDF:12903.7/52

Out: 8.305+/-0.045 χ^2/NDF:15134.4/58

All: 8.439+/-0.032 χ^2/NDF: 28056.3/111

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

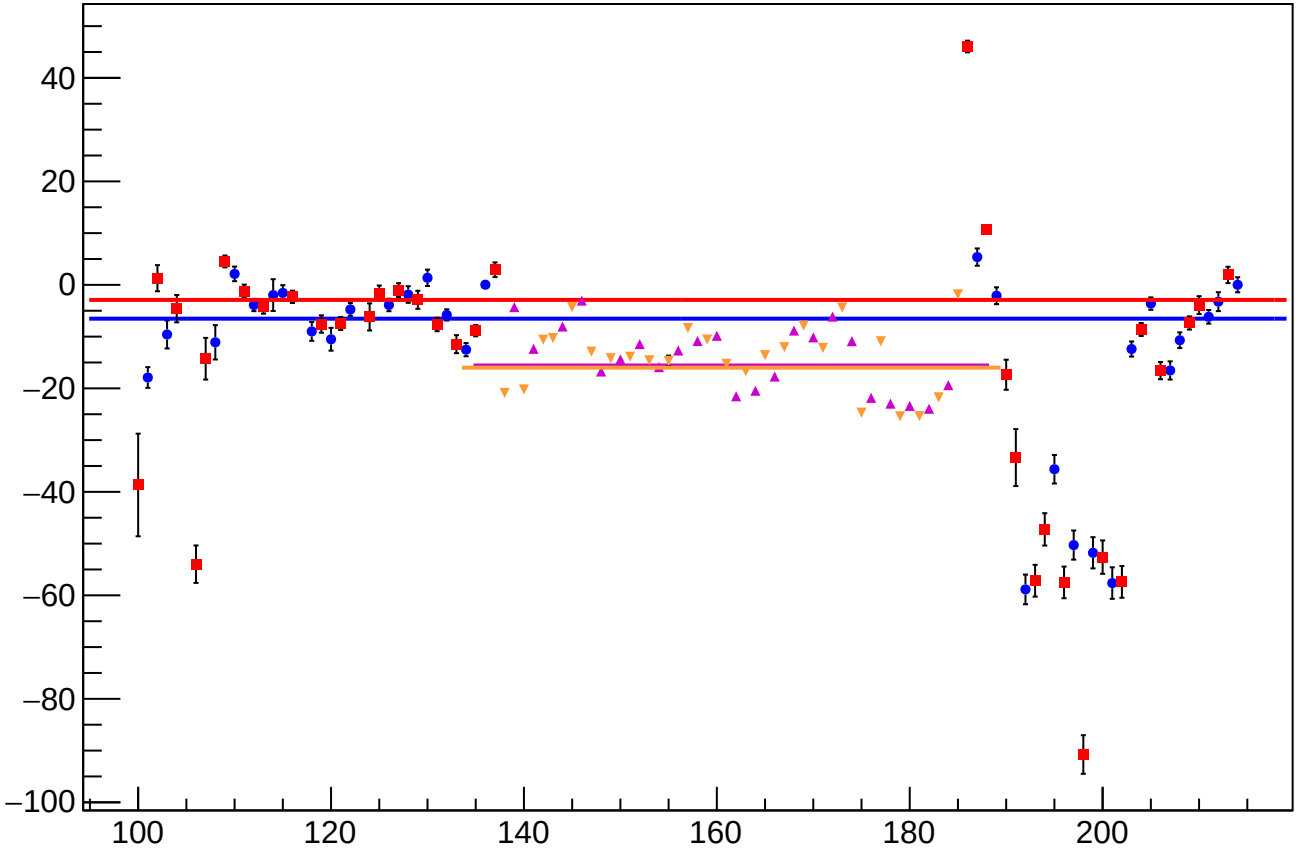
Right: 0.274+/-0.007 χ^2/NDF: 7423.6/63

In: 0.317+/-0.002 χ^2/NDF:3372.1/52

Out: 0.312+/-0.002 χ^2/NDF:7479.4/58

All: 0.314+/-0.001 χ^2/NDF: 10854.7/111

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

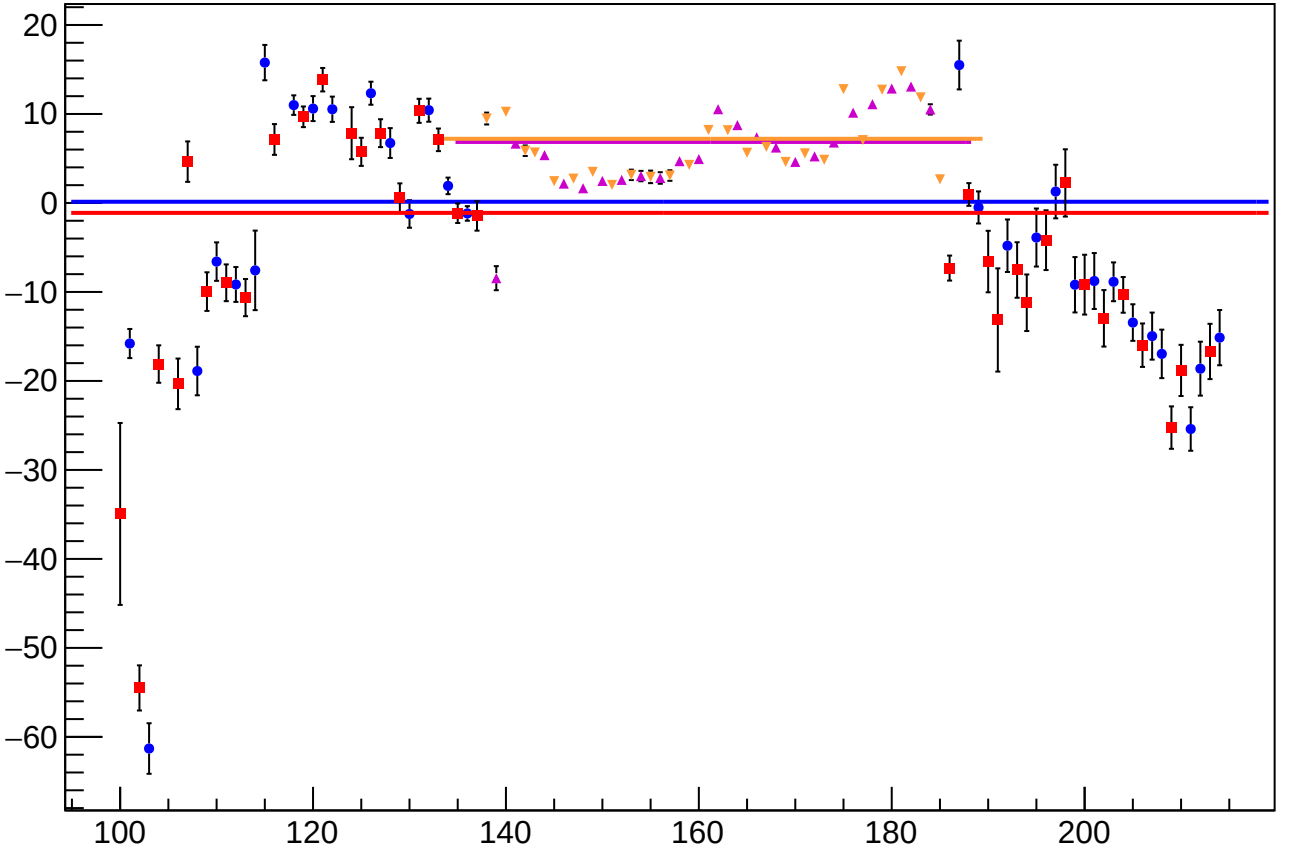
Right: -4.718+/-0.196 χ^2/NDF: 6255.0/63

In: -14.508+/-0.096 χ^2/NDF:7276.2/52

Out: -14.515+/-0.094 χ^2/NDF:12520.3/58

All: -14.512+/-0.067 χ^2/NDF: 19796.4/111

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

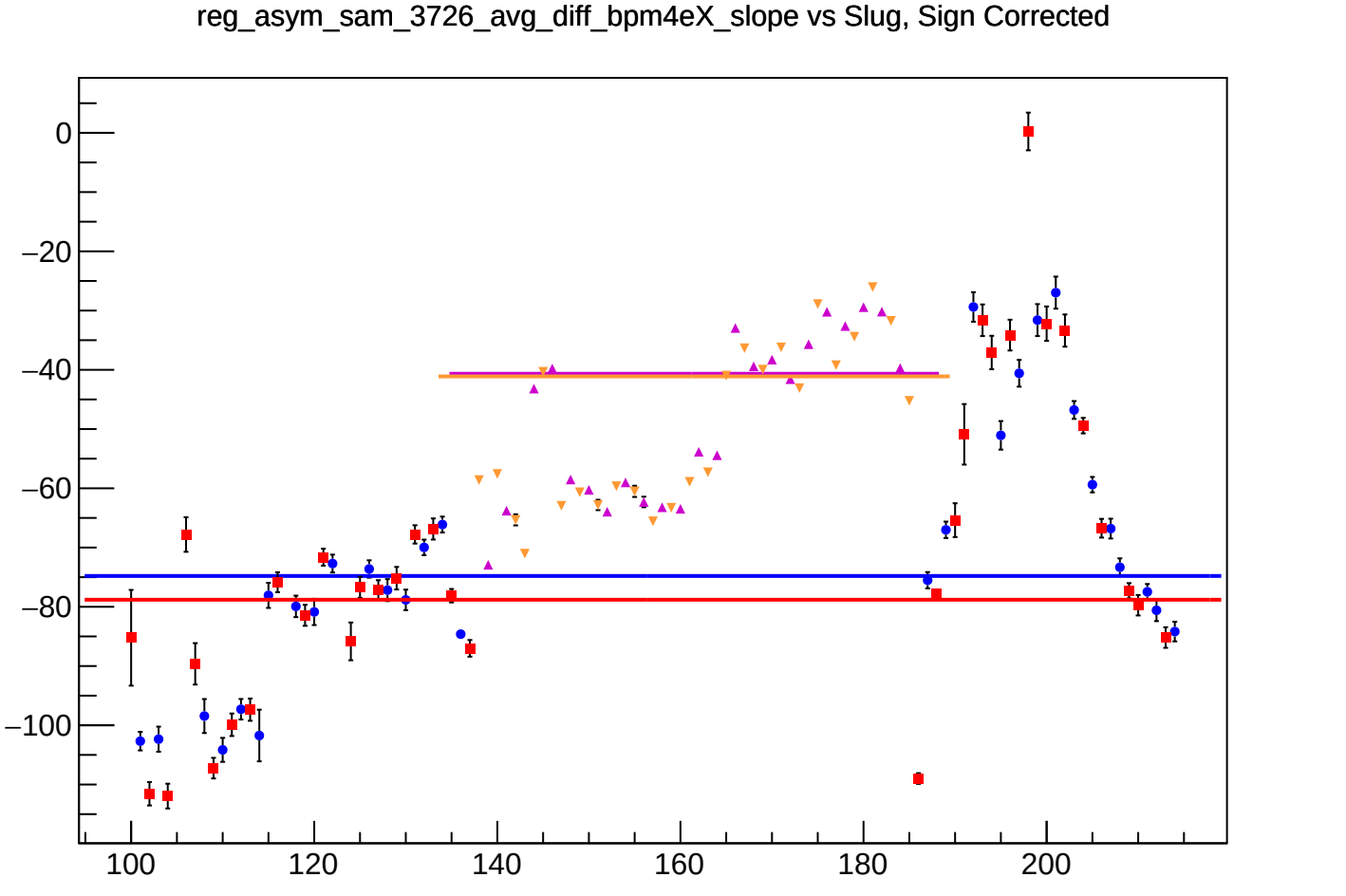
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: -0.469+/-0.228 χ^2/NDF: 2779.8/63

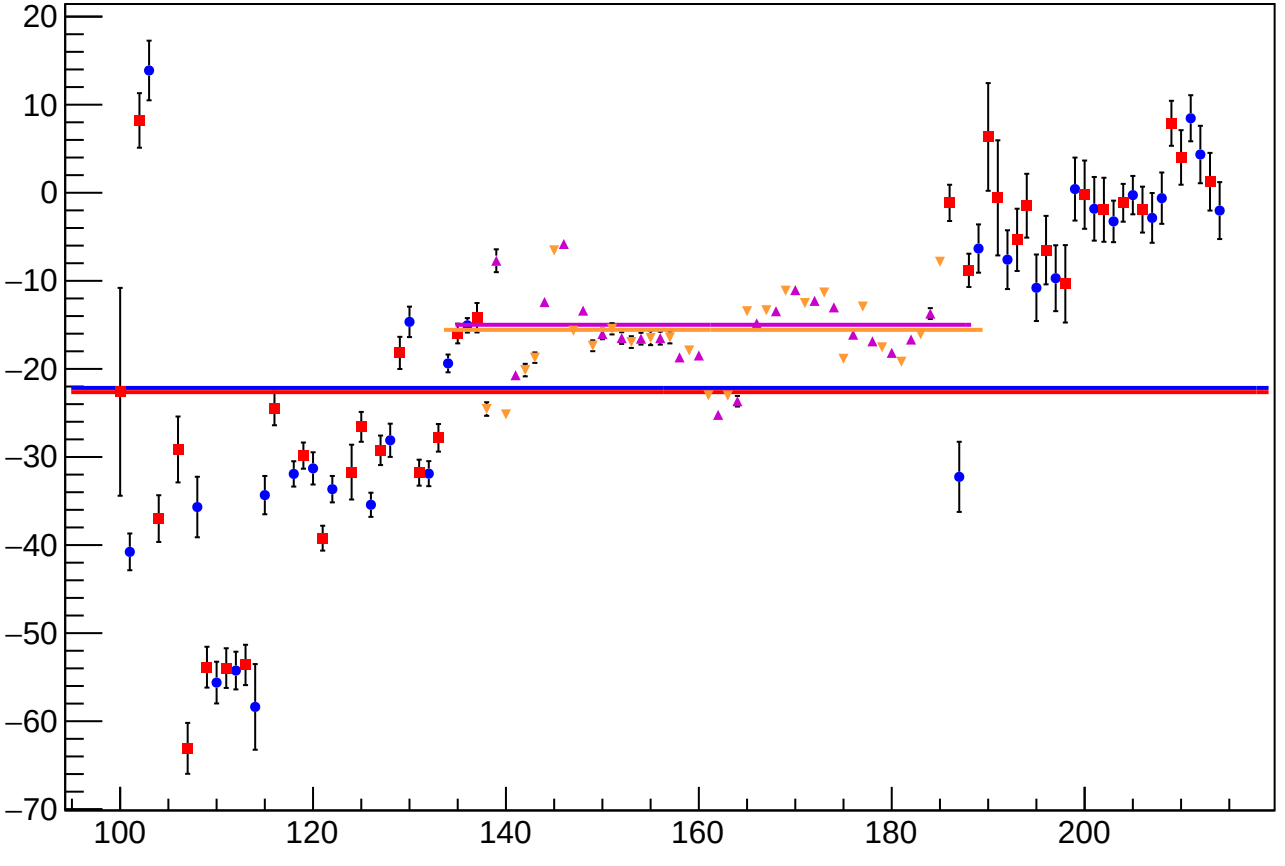
In: 6.444+/-0.079 χ^2/NDF:4023.9/52

Out: 6.743+/-0.078 χ^2/NDF:4390.6/58

All: 6.595+/-0.055 χ^2/NDF: 8421.7/111


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -74.796+/-0.293 χ²/NDF: 3059.1/29
Left Out: -41.111+/-0.100 χ²/NDF:16000.8/24
Right Out: -78.809+/-0.288 χ²/NDF: 4934.1/33
Left In: -40.665+/-0.102 χ²/NDF:13541.3/22
Left: -40.893+/-0.071 χ²/NDF: 29551.8/47
Right: -76.838+/-0.205 χ²/NDF: 8088.8/63
In: -44.376+/-0.096 χ²/NDF:28723.7/52
Out: -45.179+/-0.094 χ²/NDF:36269.8/58
All: -44.786+/-0.067 χ²/NDF: 65028.8/111

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

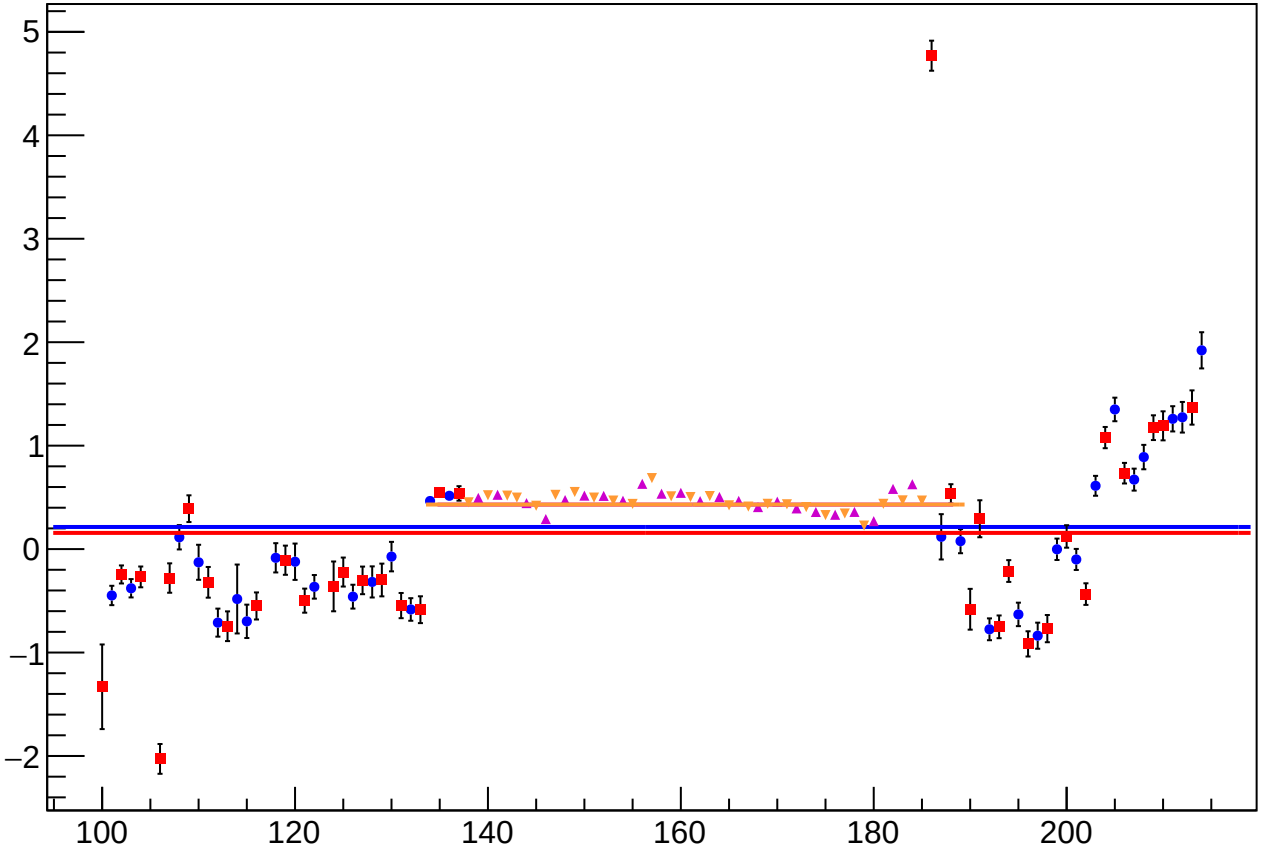
Right: -22.385+/-0.258 χ^2/NDF: 3732.8/63

In: -15.426+/-0.088 χ^2/NDF:4293.7/52

Out: -15.937+/-0.086 χ^2/NDF:4857.5/58

All: -15.684+/-0.062 χ^2/NDF: 9168.6/111

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

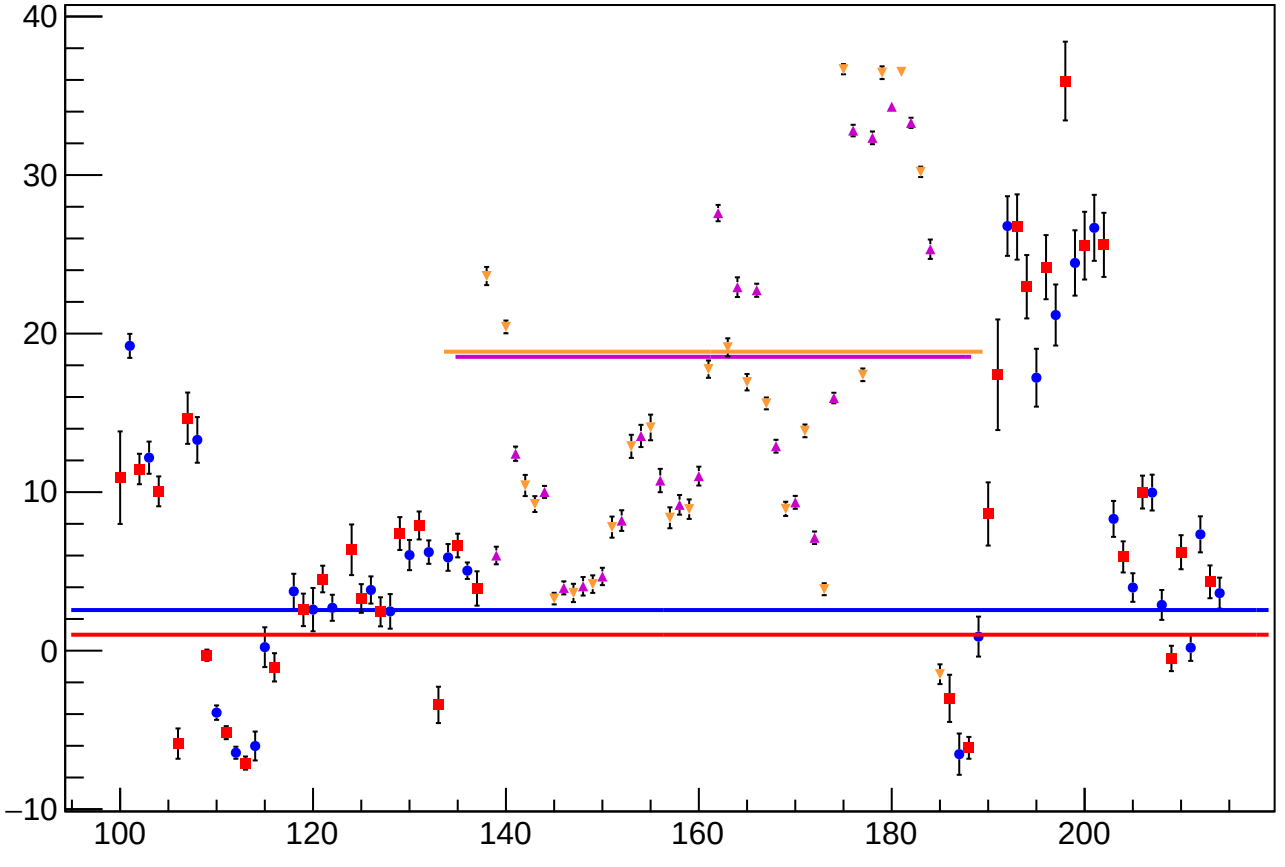
Right: 0.187+/-0.013 χ^2/NDF: 3239.0/63

In: 0.419+/-0.004 χ^2/NDF:1769.8/52

Out: 0.419+/-0.004 χ^2/NDF:2804.5/58

All: 0.419+/-0.003 χ^2/NDF: 4574.3/111

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

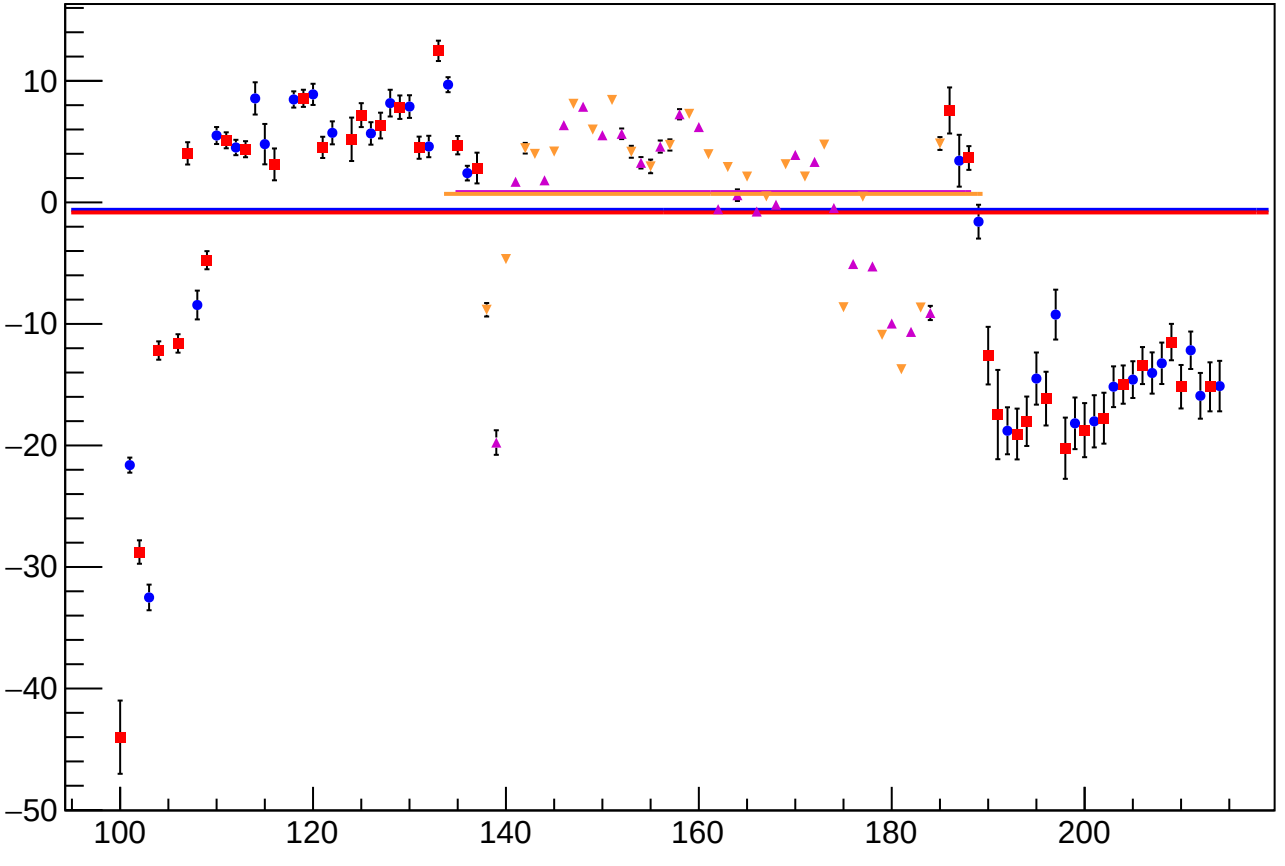
Right: 1.732+/-0.109 χ^2/NDF: 4697.7/63

In: 14.448+/-0.080 χ^2/NDF:23856.2/52

Out: 14.036+/-0.077 χ^2/NDF:31270.6/58

All: 14.234+/-0.056 χ^2/NDF: 55140.5/111

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

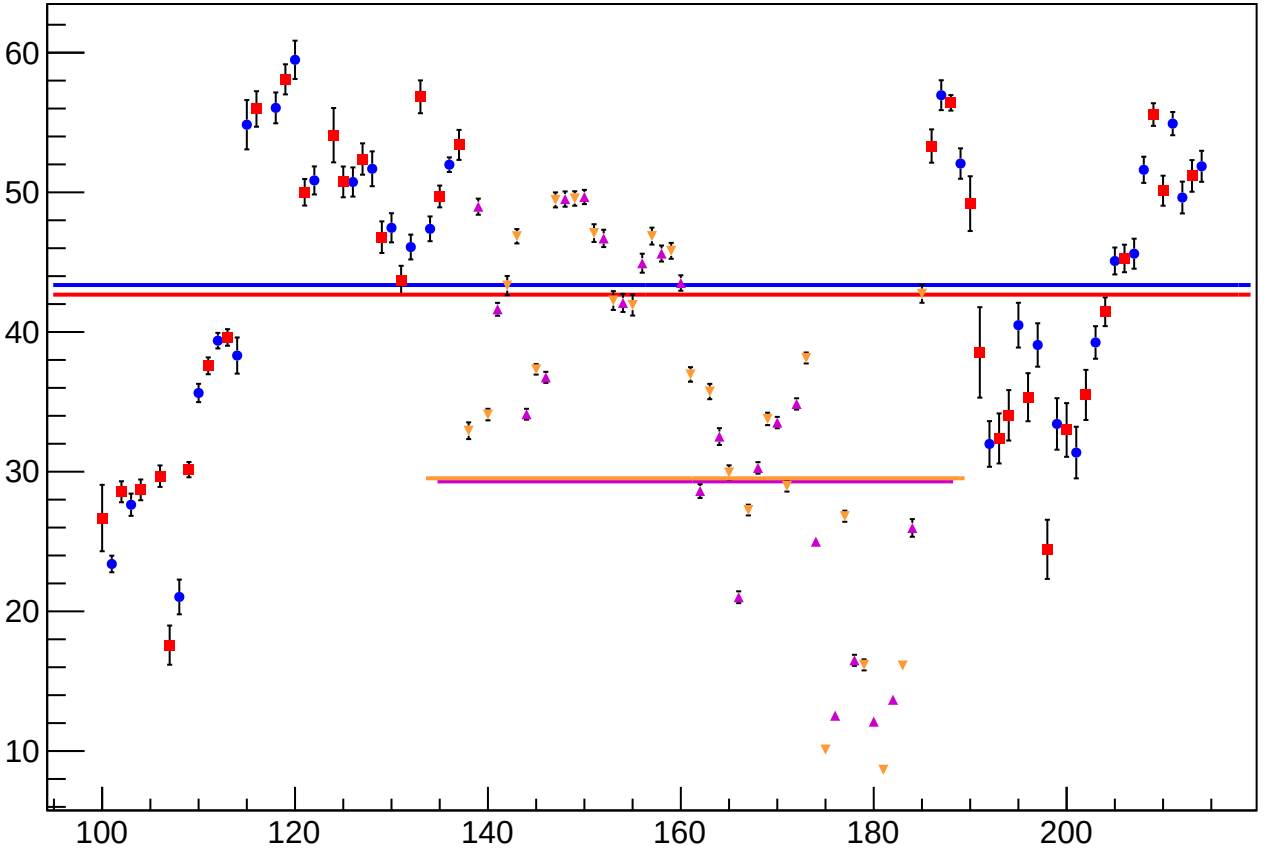
Right: -0.720+/-0.132 χ^2/NDF: 7155.2/63

In: 0.657+/-0.068 χ^2/NDF:10017.0/52

Out: 0.508+/-0.066 χ^2/NDF:11532.9/58

All: 0.581+/-0.047 χ^2/NDF: 21552.4/111

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

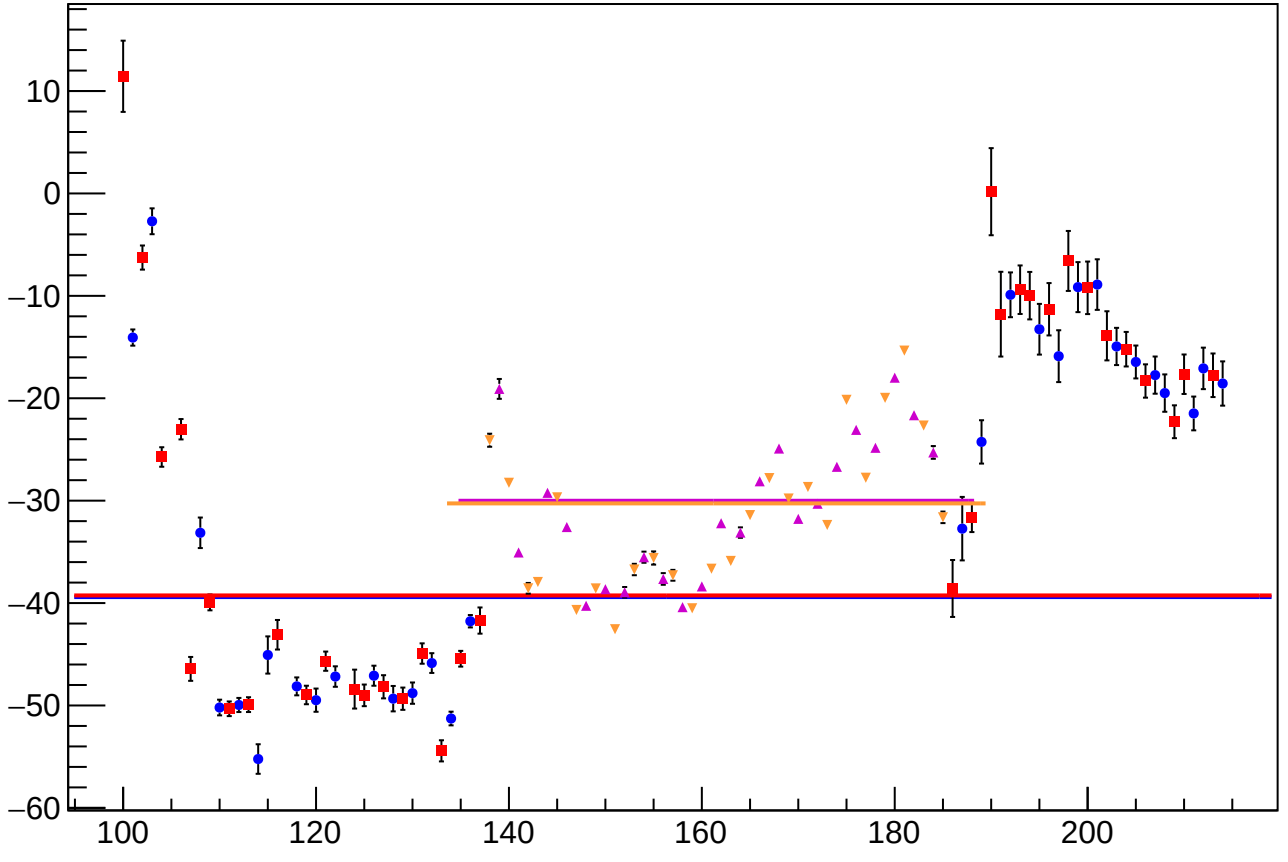
Right: 43.007+/-0.121 χ^2/NDF: 7690.6/63

In: 32.422+/-0.082 χ^2/NDF:26492.2/52

Out: 32.492+/-0.080 χ^2/NDF:29952.7/58

All: 32.458+/-0.057 χ^2/NDF: 56445.3/111

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

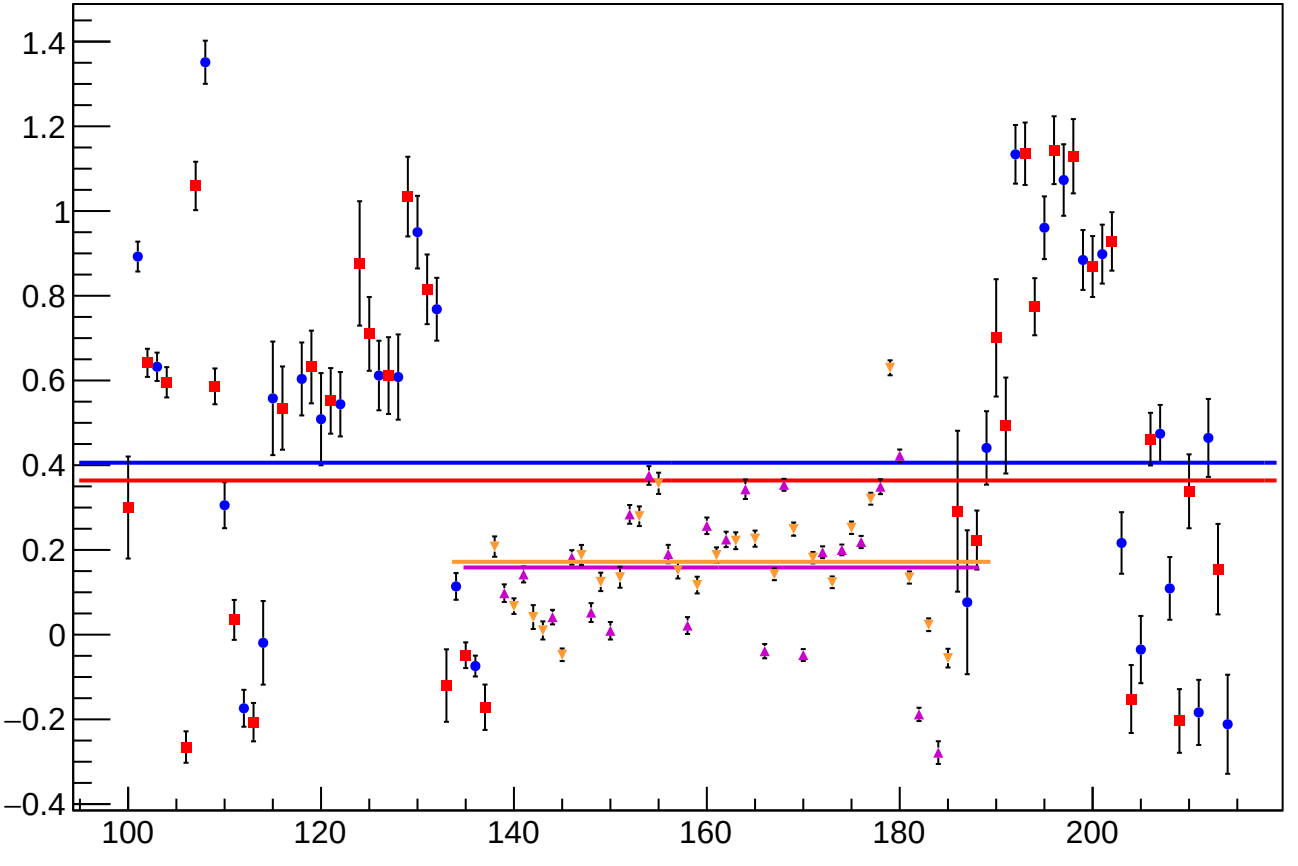
Right: -39.334+/-0.150 χ^2/NDF: 9372.6/63

In: -31.221+/-0.076 χ^2/NDF:12794.7/52

Out: -31.374+/-0.074 χ^2/NDF:14463.3/58

All: -31.299+/-0.053 χ^2/NDF: 27260.0/111

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

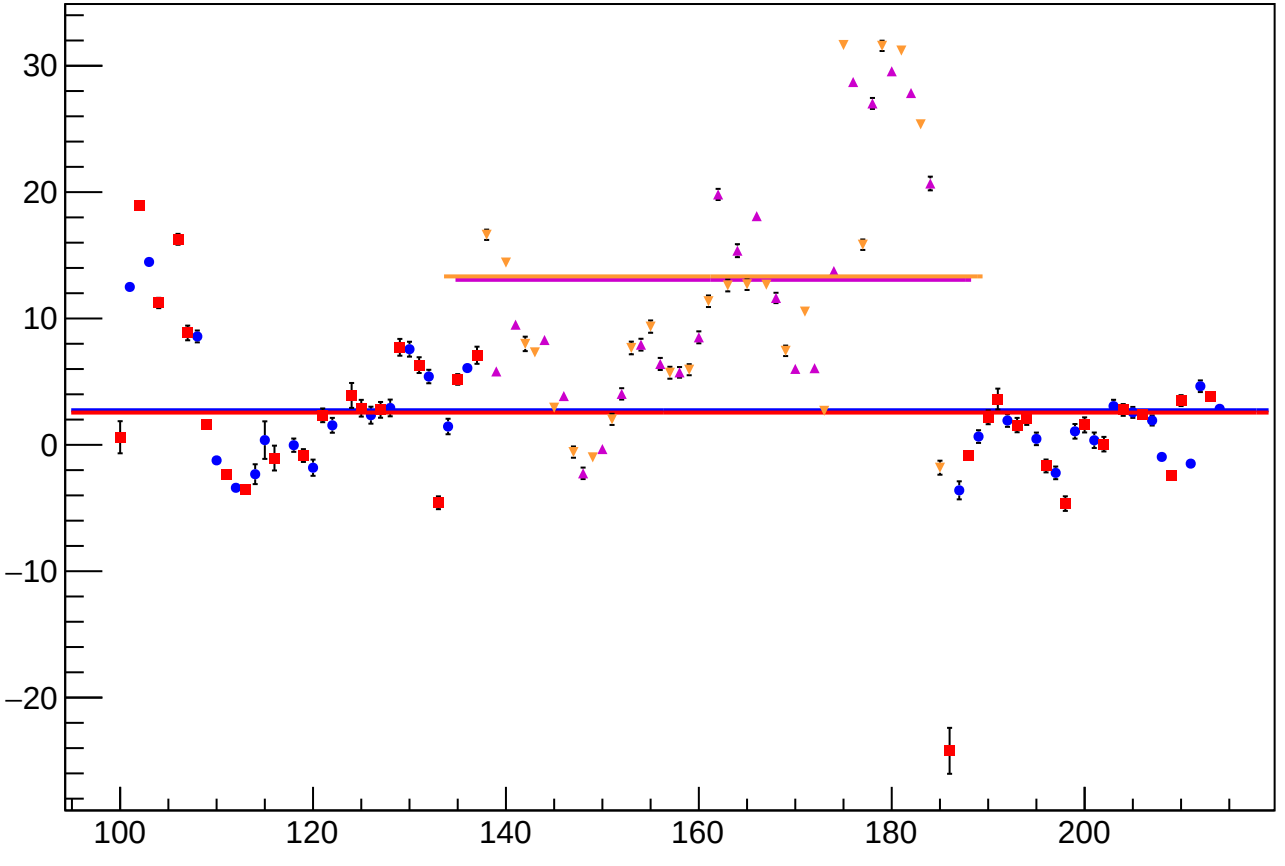
Right: 0.385+/-0.007 χ^2/NDF: 3593.8/63

In: 0.185+/-0.003 χ^2/NDF:4477.6/52

Out: 0.192+/-0.003 χ^2/NDF:3586.5/58

All: 0.188+/-0.002 χ^2/NDF: 8066.2/111

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

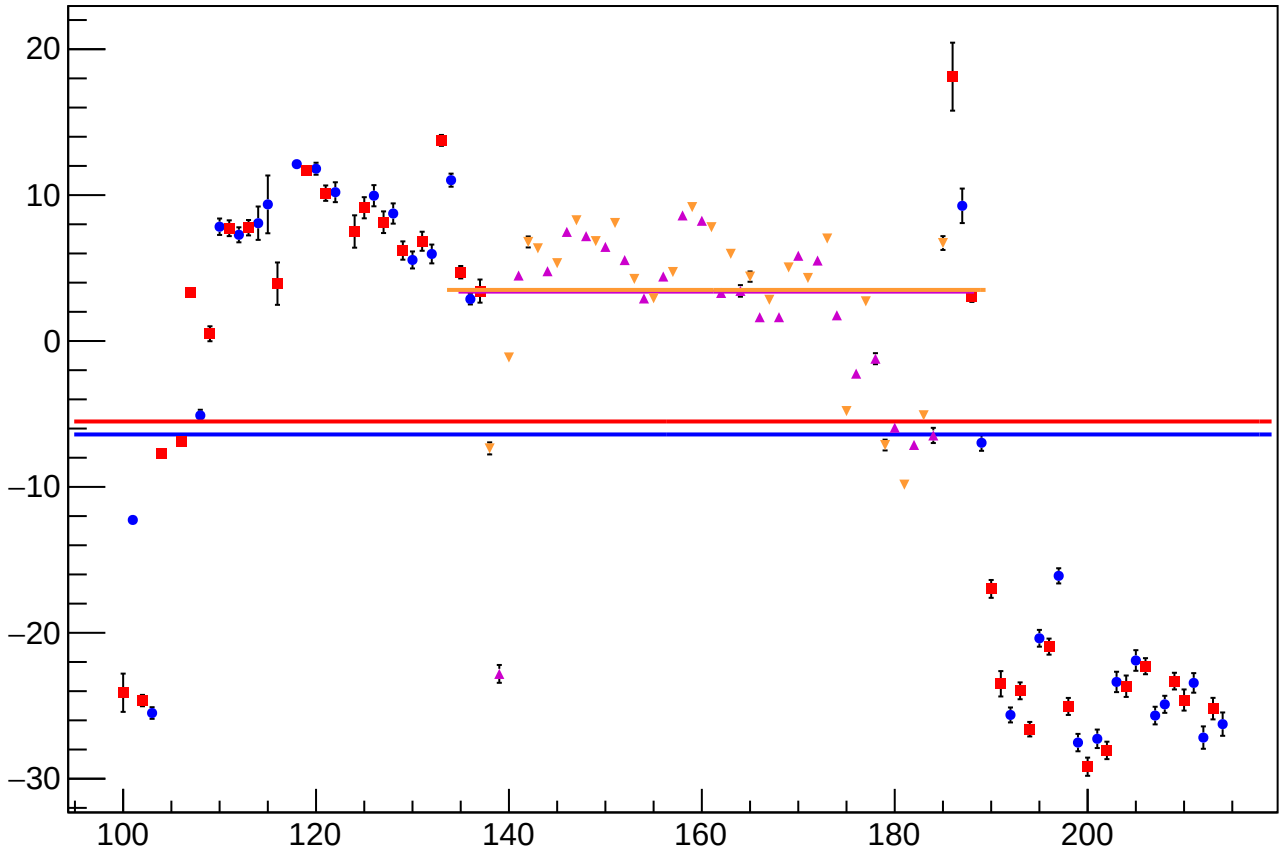
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 2.640+/-0.058 χ^2/NDF: 8753.0/63

In: 8.218+/-0.058 χ^2/NDF:26858.8/52

Out: 8.122+/-0.055 χ^2/NDF:34355.6/58

All: 8.168+/-0.040 χ^2/NDF: 61215.8/111



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

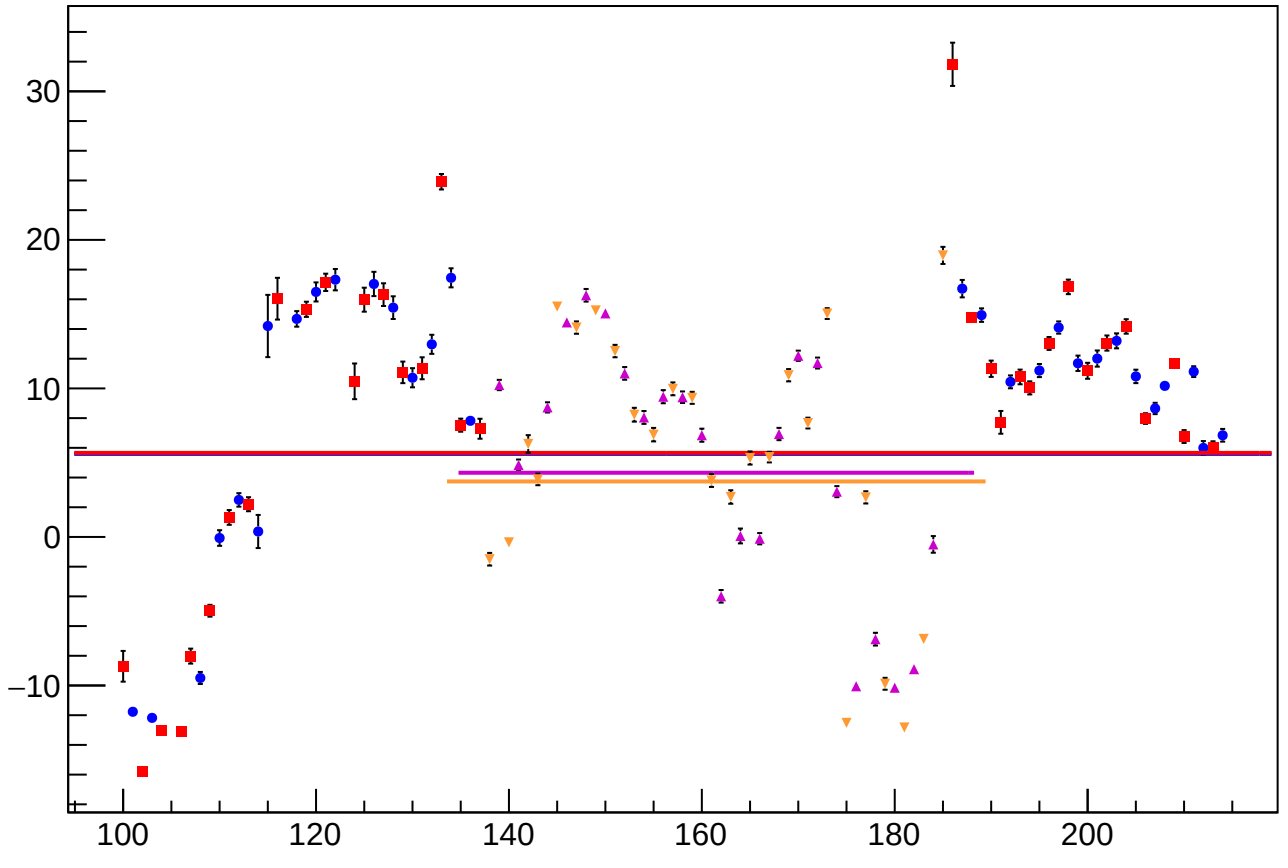
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -5.935+/-0.066 χ^2/NDF: 50497.8/63

In: 0.552+/-0.051 χ^2/NDF:38323.1/52

Out: 0.829+/-0.049 χ^2/NDF:41231.2/58

All: 0.697+/-0.036 χ^2/NDF: 79569.5/111



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

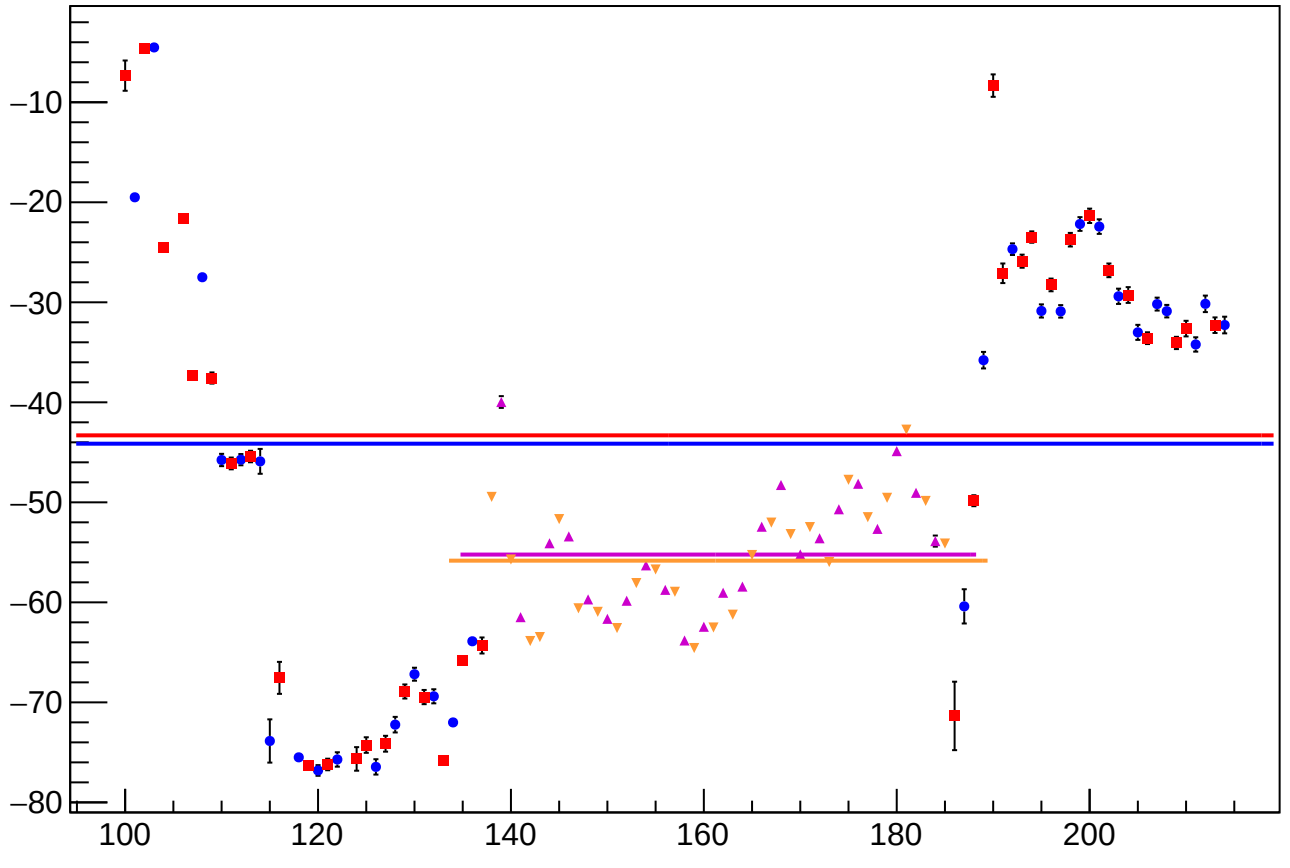
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 5.629+/-0.057 χ^2/NDF: 34526.8/63

In: 4.921+/-0.057 χ^2/NDF:26736.8/52

Out: 4.676+/-0.055 χ^2/NDF:36291.8/58

All: 4.793+/-0.040 χ^2/NDF: 63038.2/111



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

Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

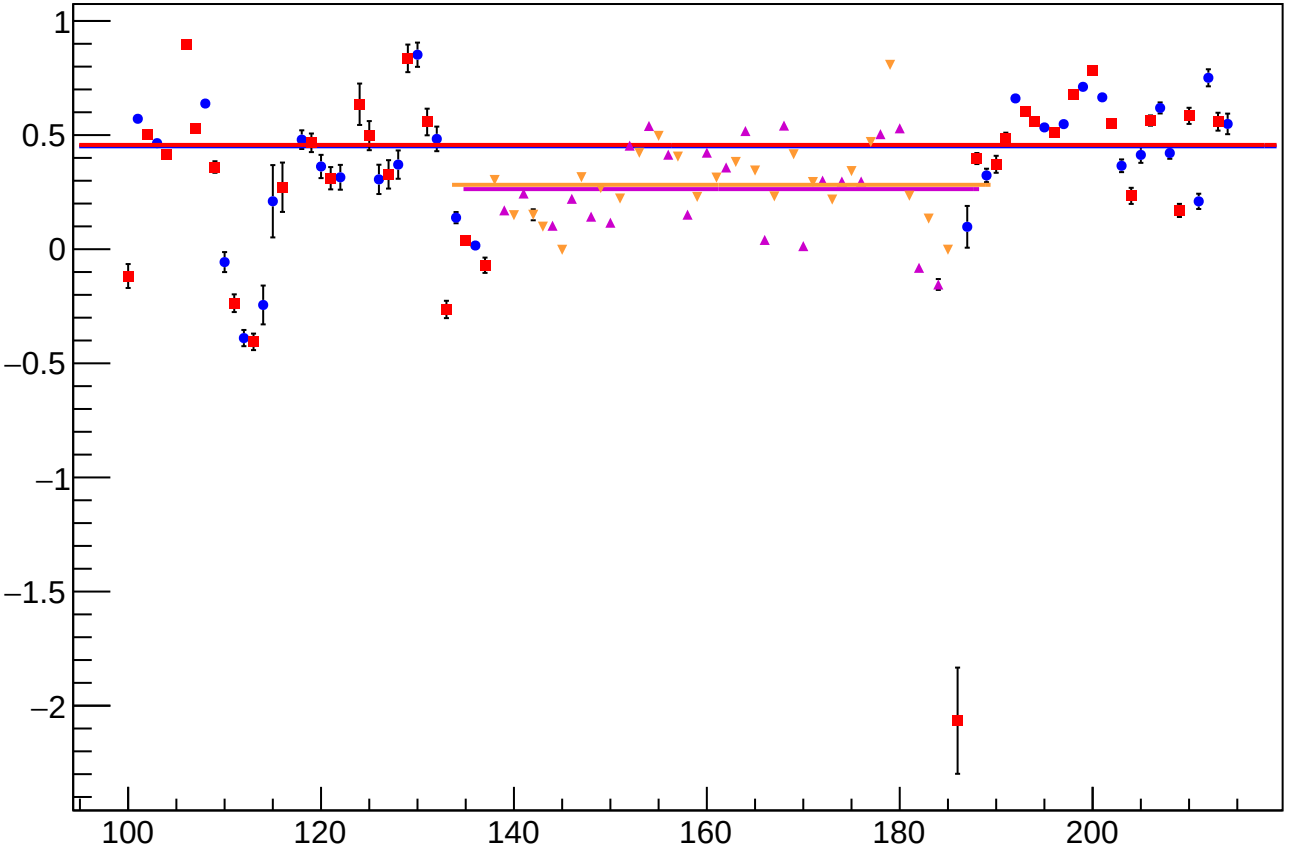
Right: -43.702+/-0.077 χ^2/NDF: 86807.4/63

In: -52.151+/-0.058 χ^2/NDF:56334.1/52

Out: -52.322+/-0.056 χ^2/NDF:61583.4/58

All: -52.240+/-0.041 χ^2/NDF: 117921.9/111

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

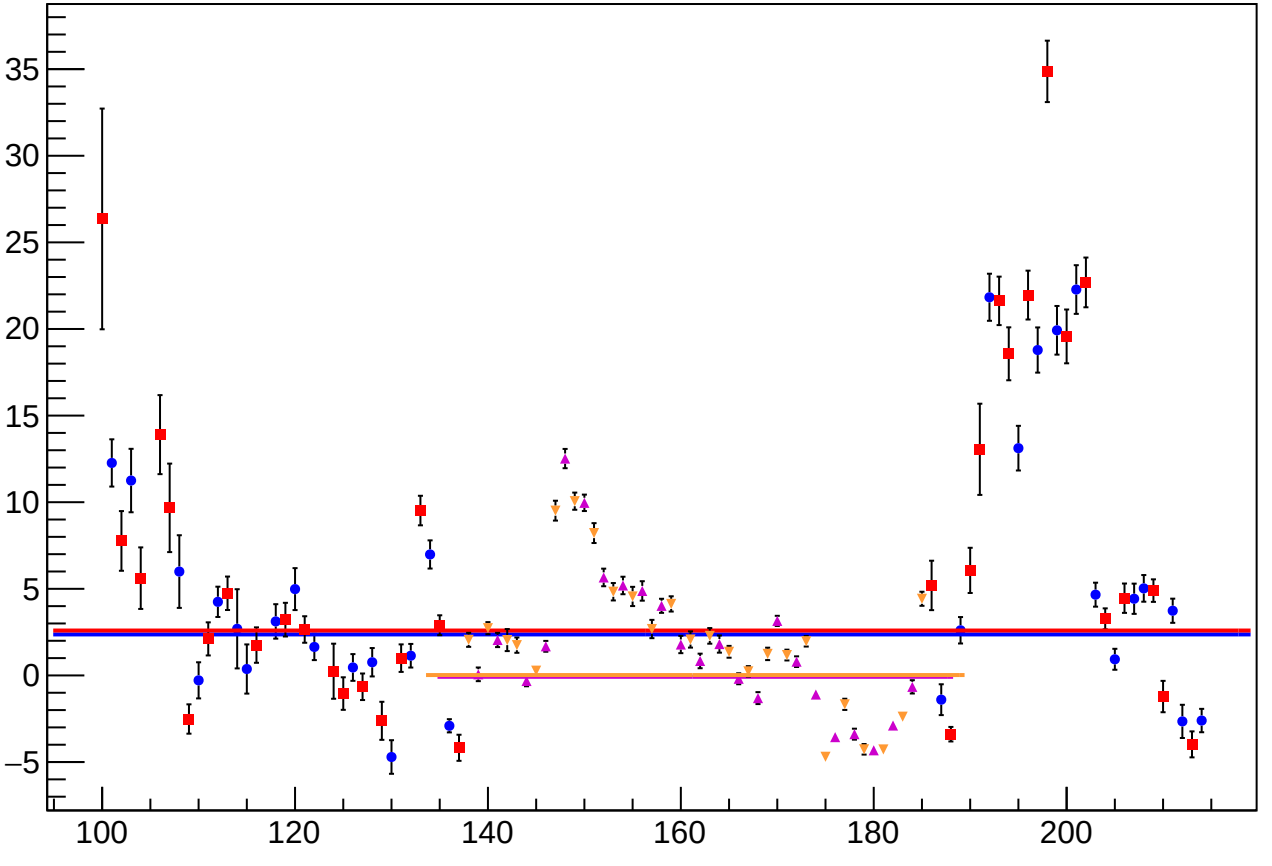
Right: 0.454+/-0.003 χ^2/NDF: 6499.7/63

In: 0.319+/-0.003 χ^2/NDF:7709.9/52

Out: 0.337+/-0.002 χ^2/NDF:7571.2/58

All: 0.329+/-0.002 χ^2/NDF: 15307.0/111

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

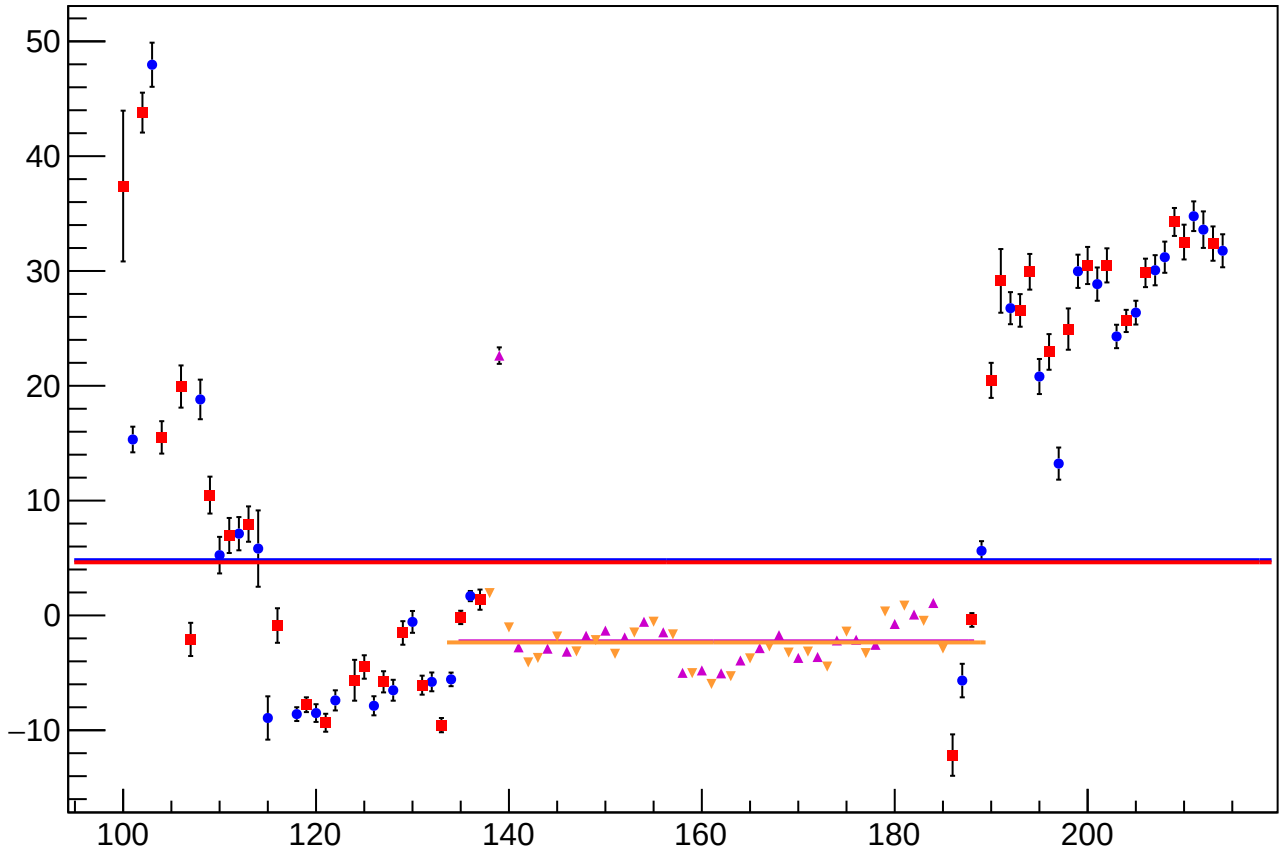
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 2.477+/-0.112 χ^2/NDF: 3098.9/63

In: 0.337+/-0.064 χ^2/NDF:3984.3/52

Out: 0.422+/-0.063 χ^2/NDF:4760.0/58

All: 0.380+/-0.045 χ^2/NDF: 8745.2/111



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

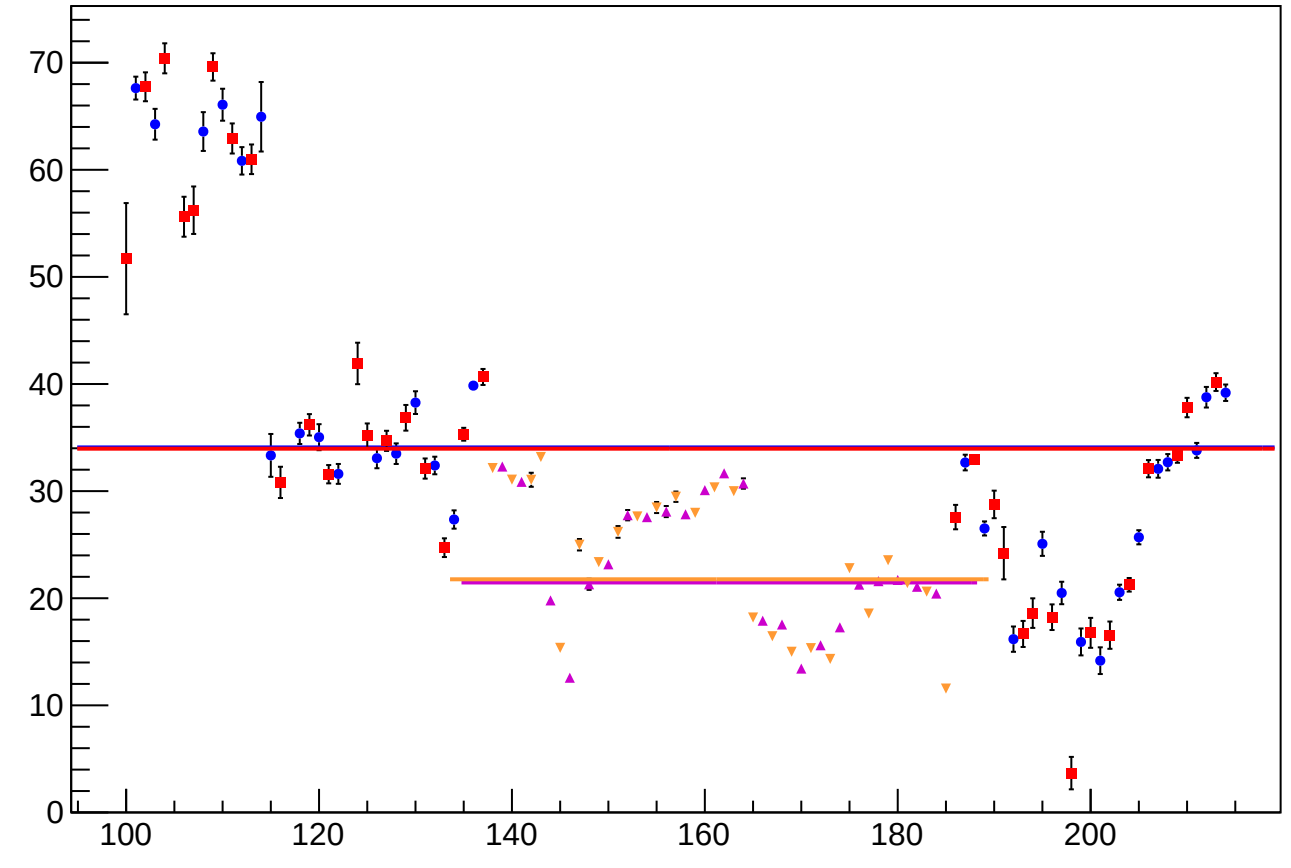
Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

Right: 4.721+/-0.130 χ^2/NDF: 12723.8/63

In: -1.635+/-0.054 χ^2/NDF:9690.4/52

Out: -1.796+/-0.053 χ^2/NDF:8695.8/58

All: -1.717+/-0.038 χ^2/NDF: 18390.7/111



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

Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

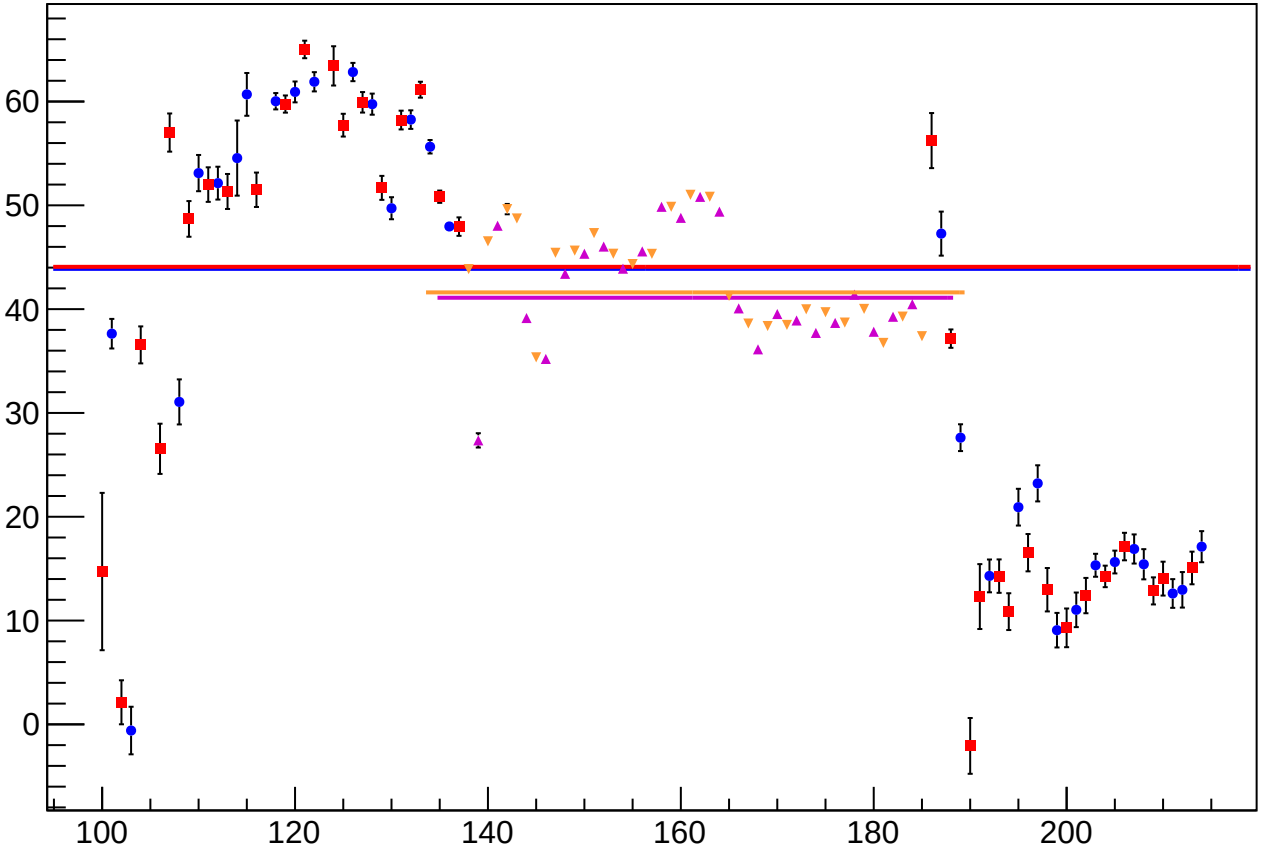
Right: 34.022+/-0.114 χ^2/NDF: 9828.3/63

In: 23.516+/-0.065 χ^2/NDF:15616.0/52

Out: 23.658+/-0.063 χ^2/NDF:16843.1/58

All: 23.589+/-0.045 χ^2/NDF: 32461.6/111

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

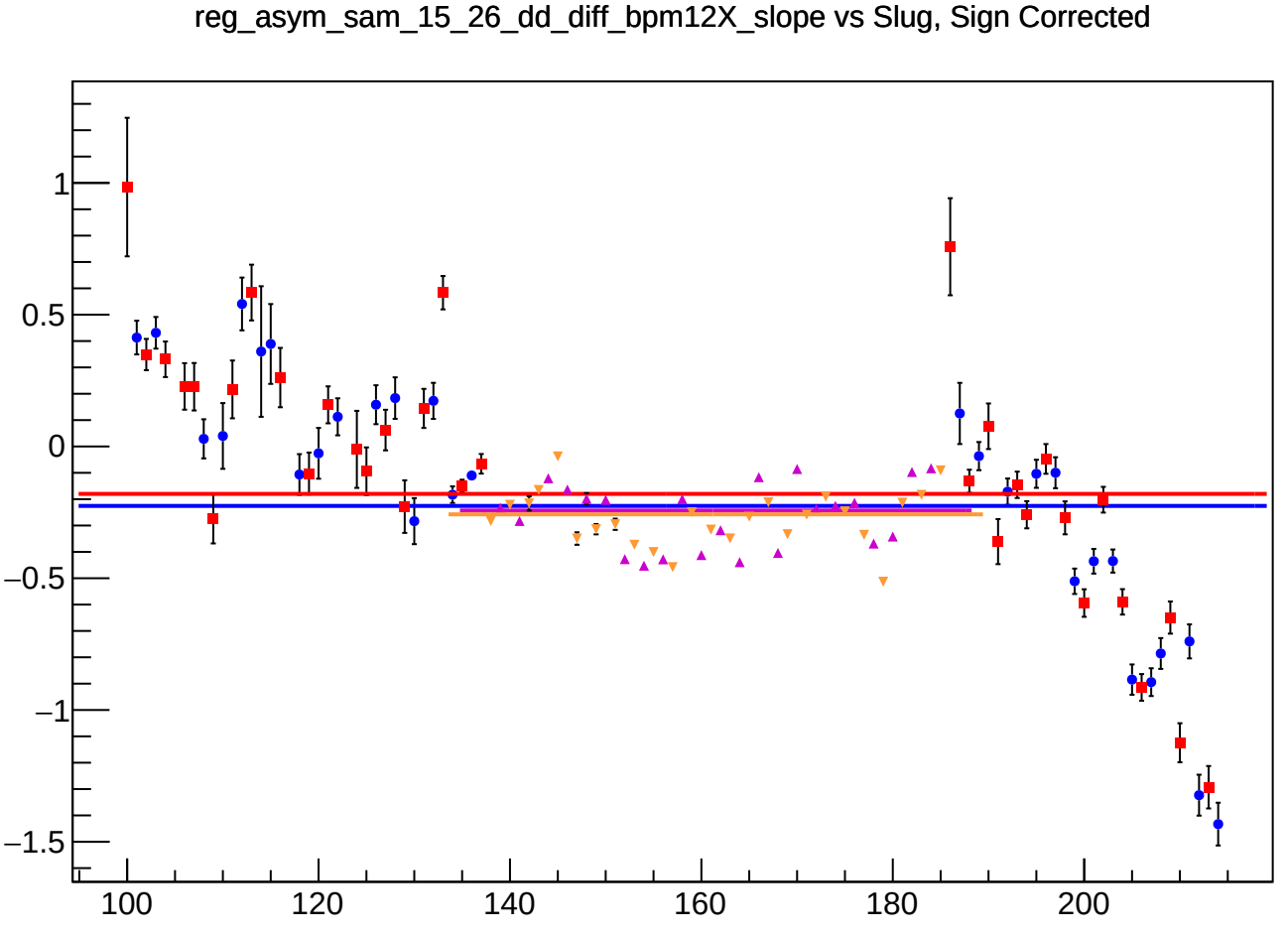
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 43.973+/-0.148 χ^2/NDF: 15779.8/63

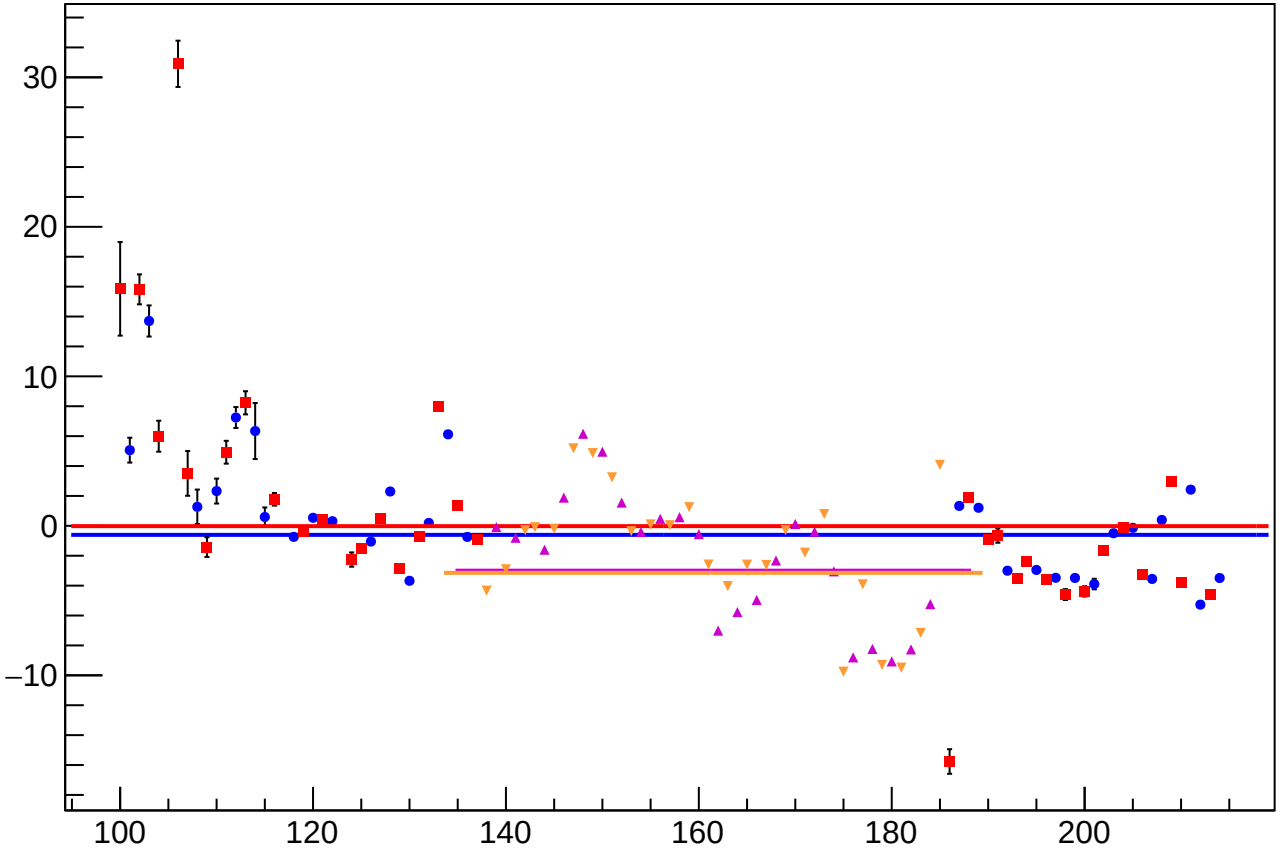
In: 41.338+/-0.060 χ^2/NDF:13588.9/52

Out: 41.798+/-0.059 χ^2/NDF:13735.9/58

All: 41.572+/-0.042 χ^2/NDF: 27354.8/111


reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: -0.226+/-0.010 χ²/NDF: 1456.4/29
Left Out: -0.258+/-0.003 χ²/NDF:1515.1/24
Right Out: -0.180+/-0.010 χ²/NDF: 1301.9/33
Left In: -0.243+/-0.003 χ²/NDF:1811.8/22
Left: -0.250+/-0.002 χ²/NDF: 3340.9/47
Right: -0.204+/-0.007 χ²/NDF: 2768.6/63
In: -0.242+/-0.003 χ²/NDF:3271.1/52
Out: -0.253+/-0.003 χ²/NDF:2869.5/58
All: -0.247+/-0.002 χ²/NDF: 6149.0/111

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

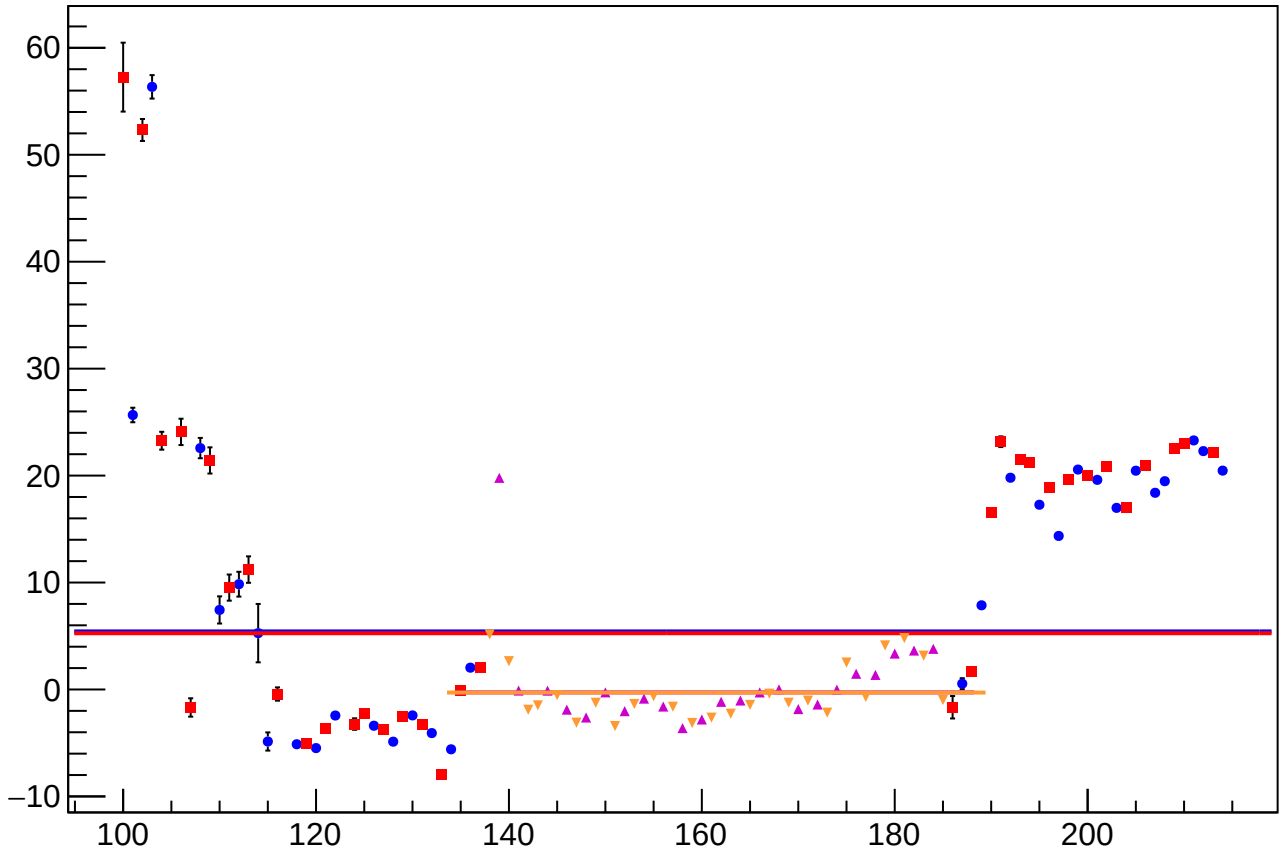
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: -0.307+/-0.033 χ^2/NDF: 8535.9/63

In: -2.364+/-0.024 χ^2/NDF:27191.8/52

Out: -2.327+/-0.024 χ^2/NDF:34249.6/58

All: -2.345+/-0.017 χ^2/NDF: 61442.6/111



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

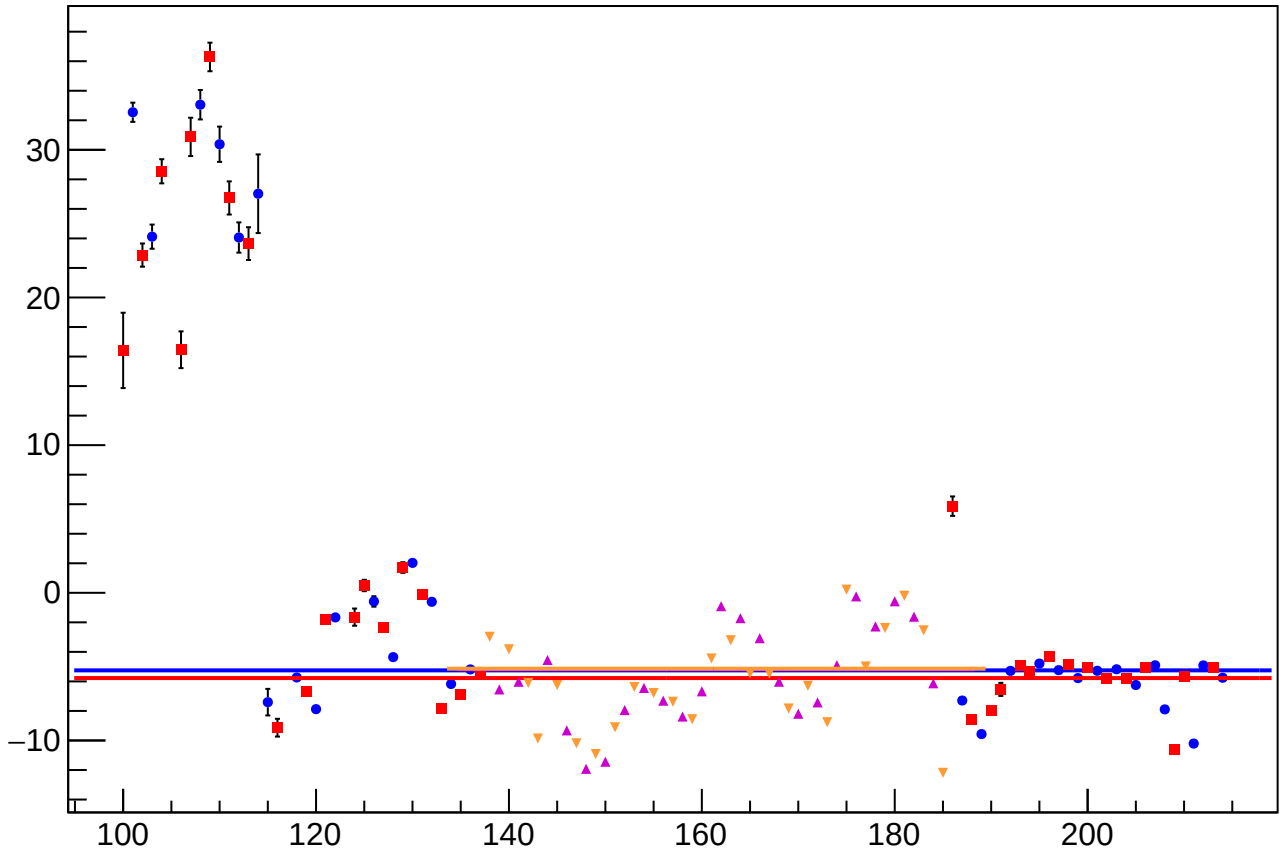
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 5.342+/-0.038 χ^2/NDF: 94731.0/63

In: 0.543+/-0.021 χ^2/NDF:65732.4/52

Out: 0.516+/-0.020 χ^2/NDF:73127.6/58

All: 0.529+/-0.014 χ^2/NDF: 138860.9/111



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

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

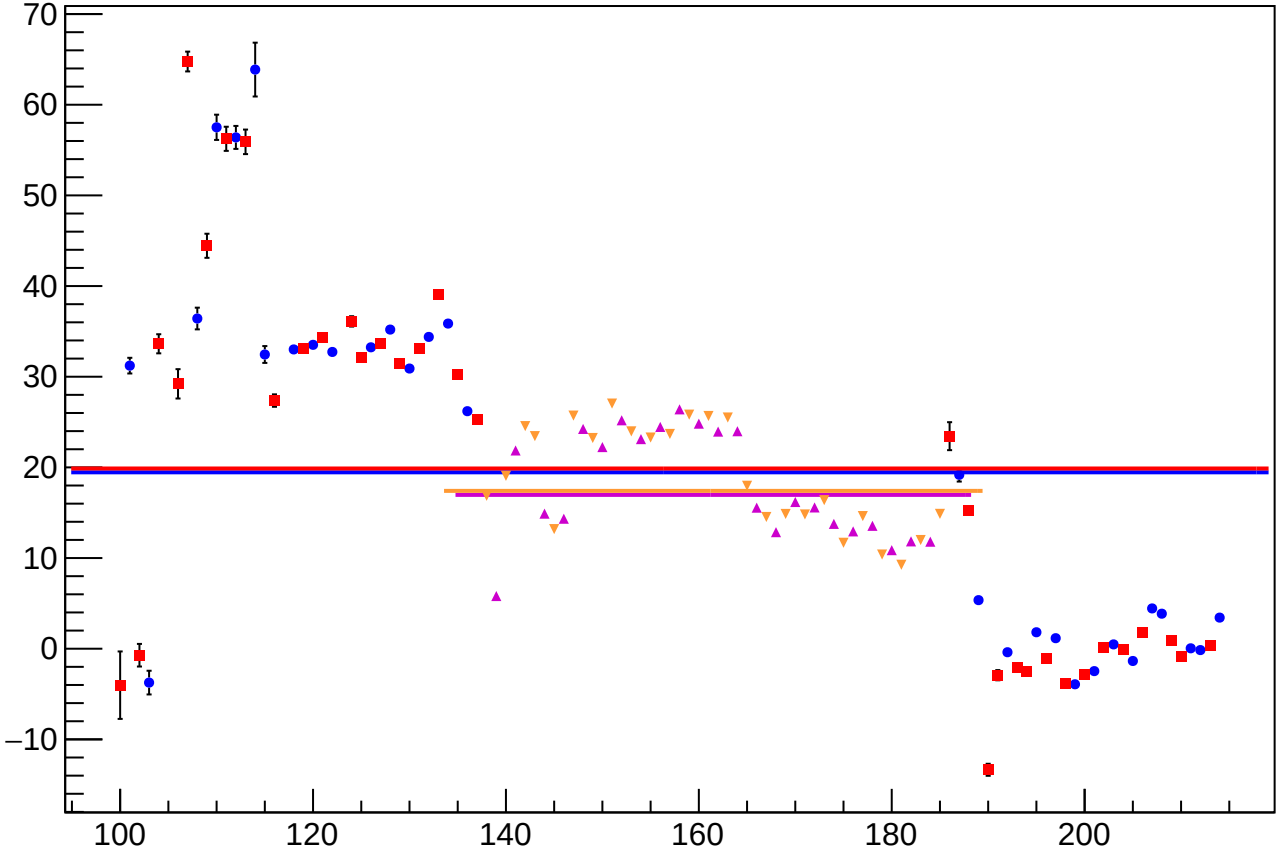
Right: -5.526+/-0.033 χ^2/NDF: 22283.8/63

In: -5.197+/-0.024 χ^2/NDF:24674.4/52

Out: -5.312+/-0.024 χ^2/NDF:26281.1/58

All: -5.256+/-0.017 χ^2/NDF: 50966.9/111

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

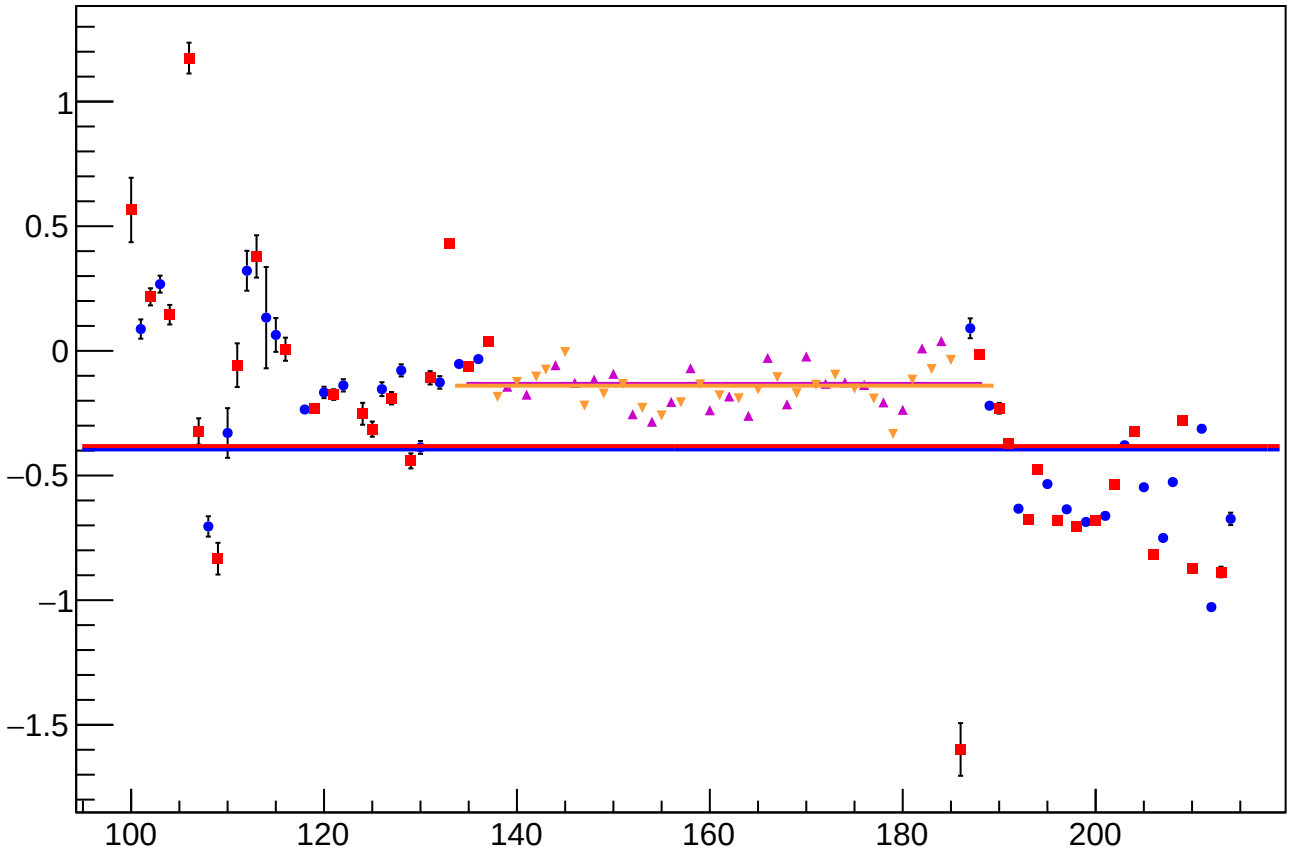
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 19.669+/-0.044 χ^2/NDF: 139972.1/63

In: 17.310+/-0.023 χ^2/NDF:104475.7/52

Out: 17.744+/-0.023 χ^2/NDF:128792.9/58

All: 17.532+/-0.016 χ^2/NDF: 233447.0/111



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

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

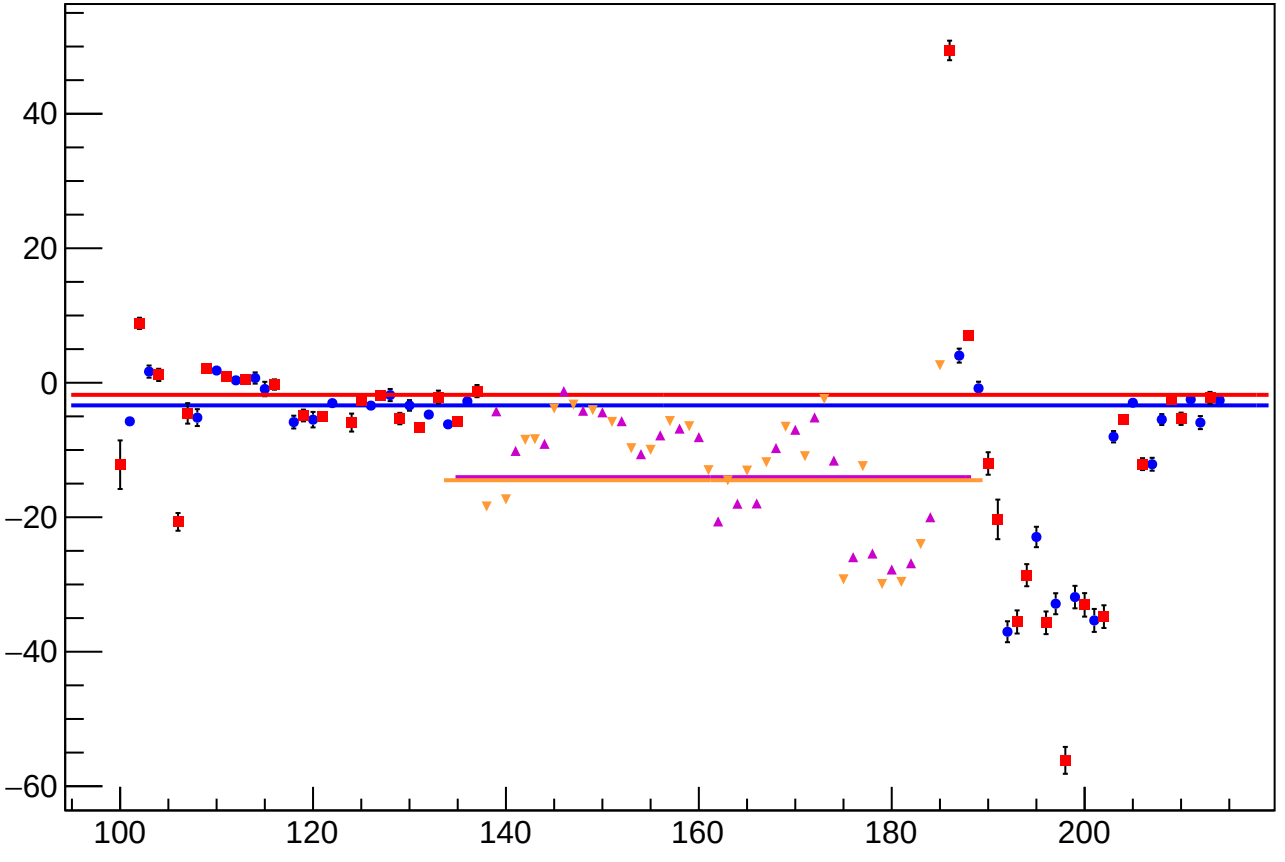
Right: -0.388+/-0.002 χ^2/NDF: 23876.4/63

In: -0.167+/-0.001 χ^2/NDF:22500.1/52

Out: -0.171+/-0.001 χ^2/NDF:24732.0/58

All: -0.169+/-0.001 χ^2/NDF: 47242.7/111

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

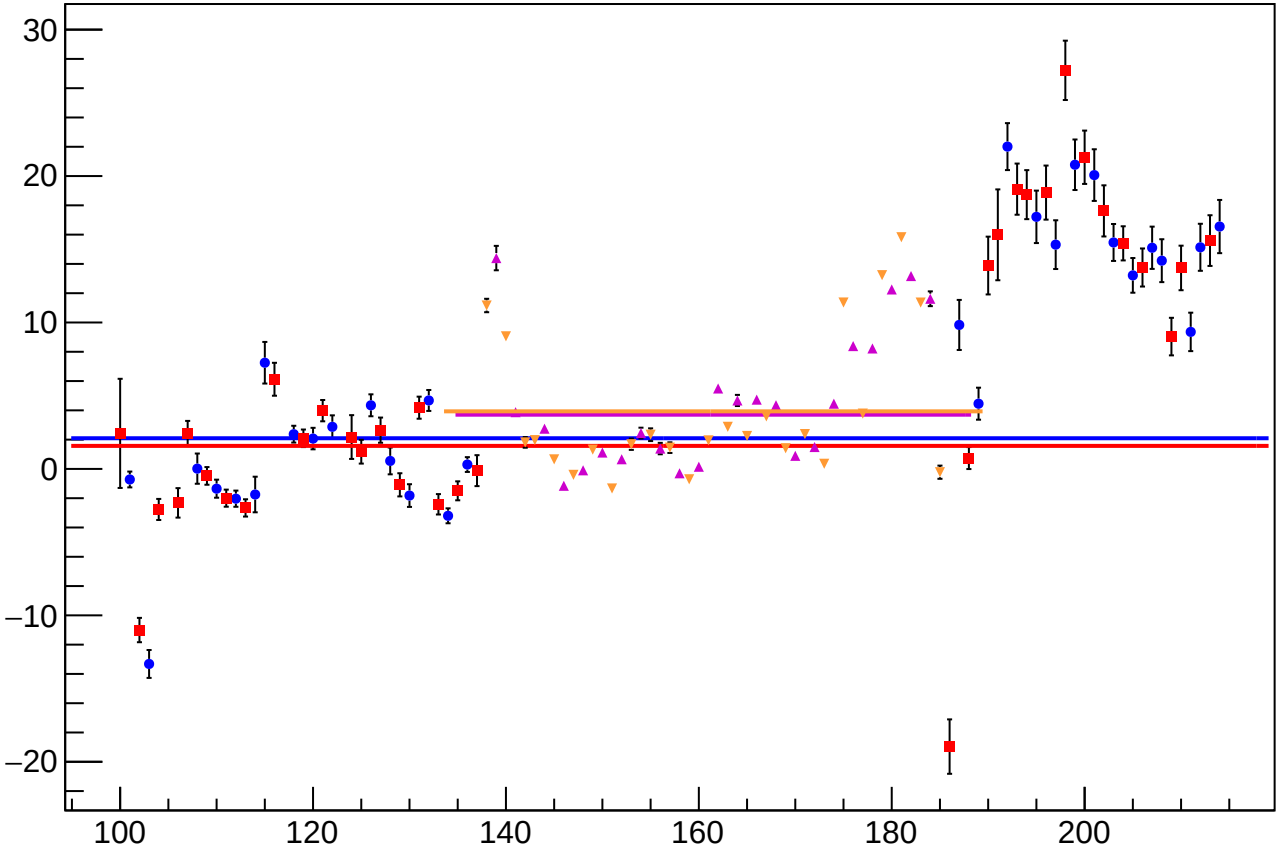
Right: -2.549+/-0.093 χ^2/NDF: 7335.9/63

In: -11.427+/-0.067 χ^2/NDF:20420.4/52

Out: -11.317+/-0.065 χ^2/NDF:29498.2/58

All: -11.370+/-0.046 χ^2/NDF: 49920.0/111

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

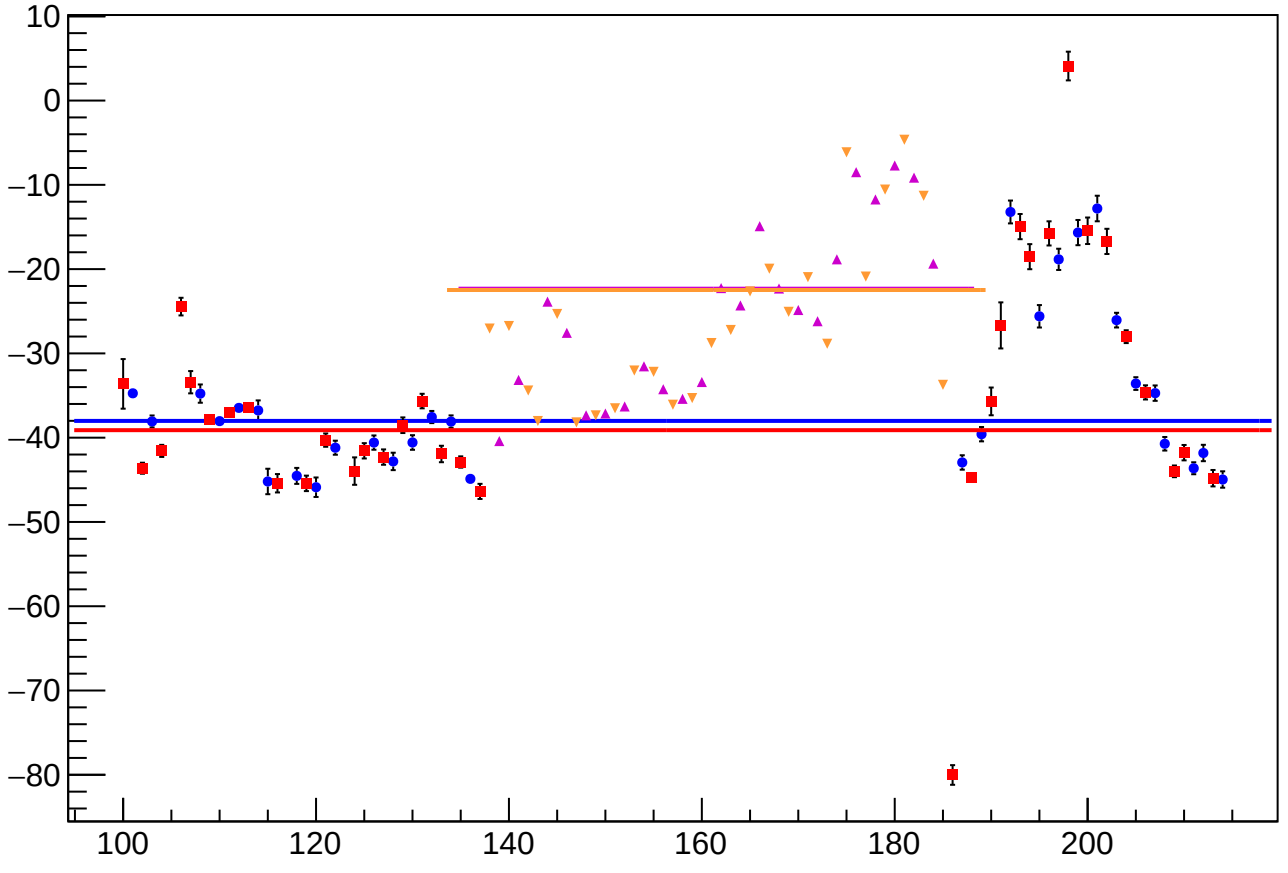
Right: 1.837+/-0.113 χ^2/NDF: 3349.6/63

In: 3.505+/-0.056 χ^2/NDF:6499.1/52

Out: 3.660+/-0.054 χ^2/NDF:8894.5/58

All: 3.584+/-0.039 χ^2/NDF: 15397.6/111

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

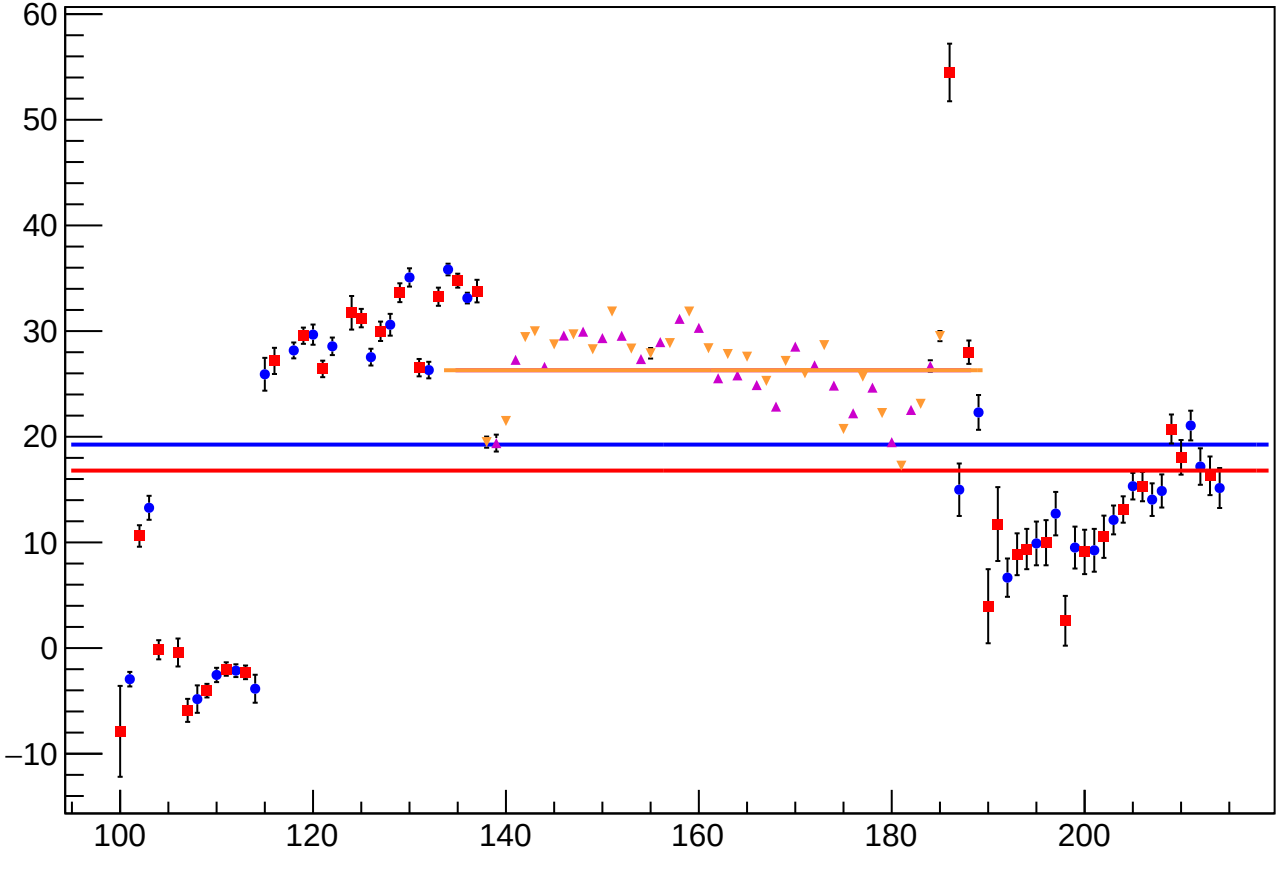
Right: -38.567+/-0.104 χ^2/NDF: 6203.9/63

In: -25.659+/-0.068 χ^2/NDF:28102.3/52

Out: -25.954+/-0.067 χ^2/NDF:34891.2/58

All: -25.810+/-0.048 χ^2/NDF: 63003.1/111

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

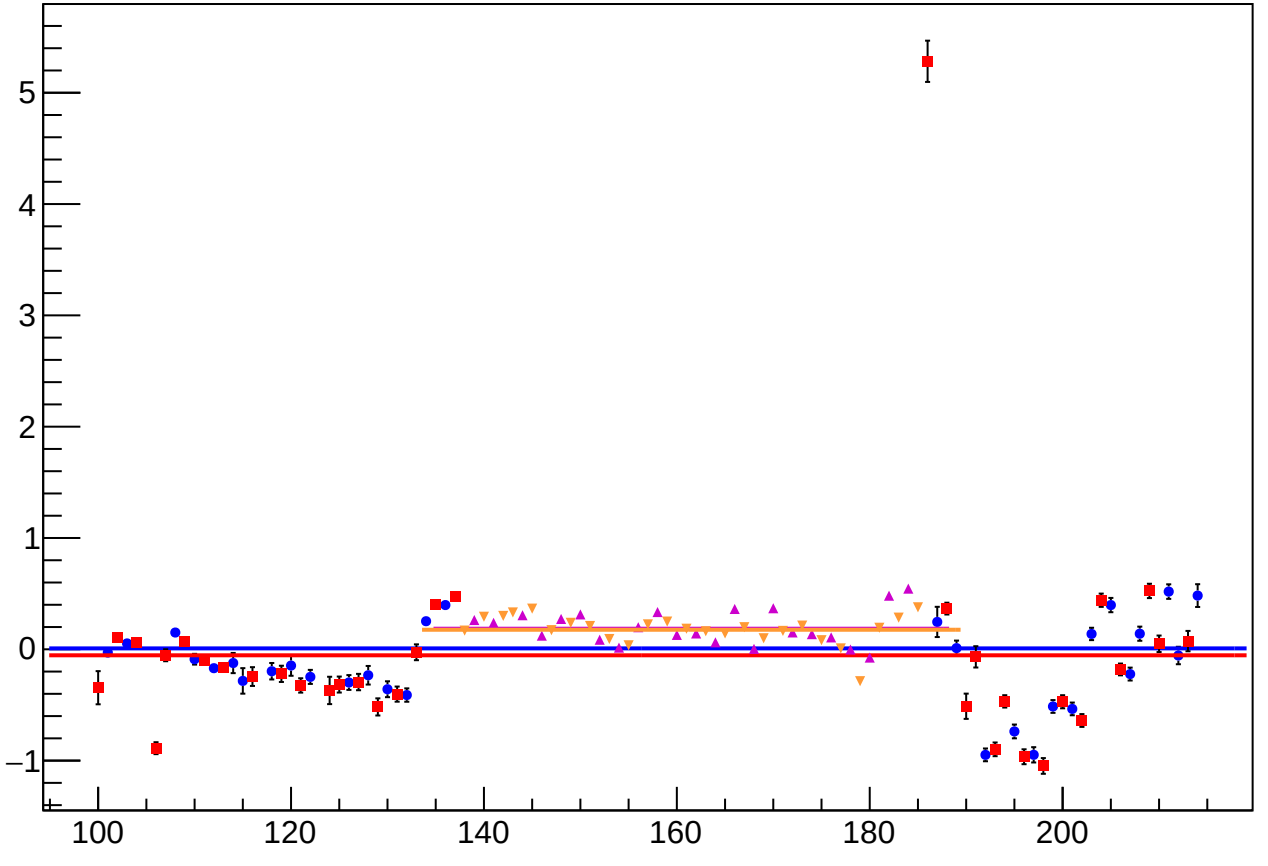
Right: 18.055+/-0.128 χ^2/NDF: 14163.5/63

In: 25.434+/-0.062 χ^2/NDF:10448.3/52

Out: 25.226+/-0.061 χ^2/NDF:12873.6/58

All: 25.328+/-0.044 χ^2/NDF: 23327.5/111

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

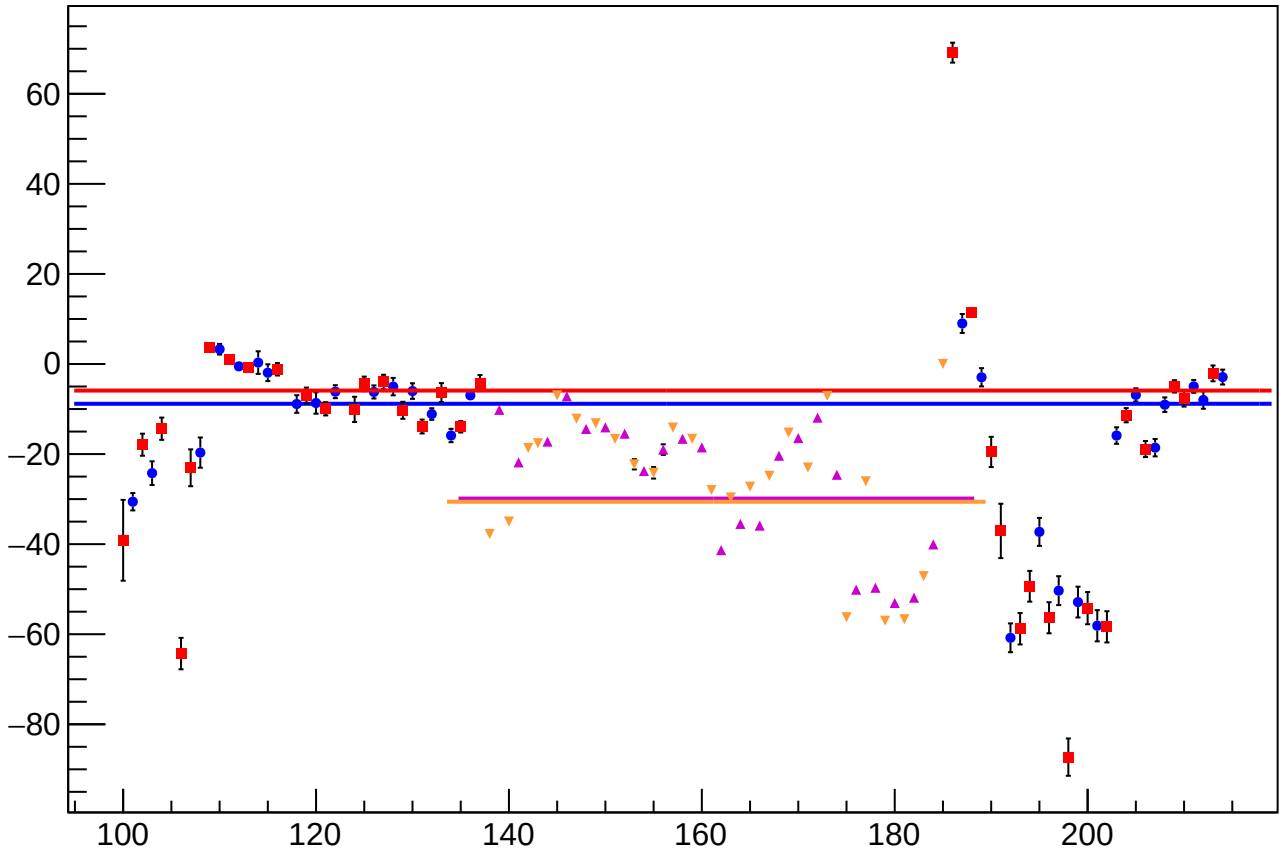
Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

Right: -0.022+/-0.006 χ^2/NDF: 4301.9/63

In: 0.167+/-0.003 χ^2/NDF:4452.2/52

Out: 0.155+/-0.003 χ^2/NDF:5208.0/58

All: 0.161+/-0.002 χ^2/NDF: 9670.0/111



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

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

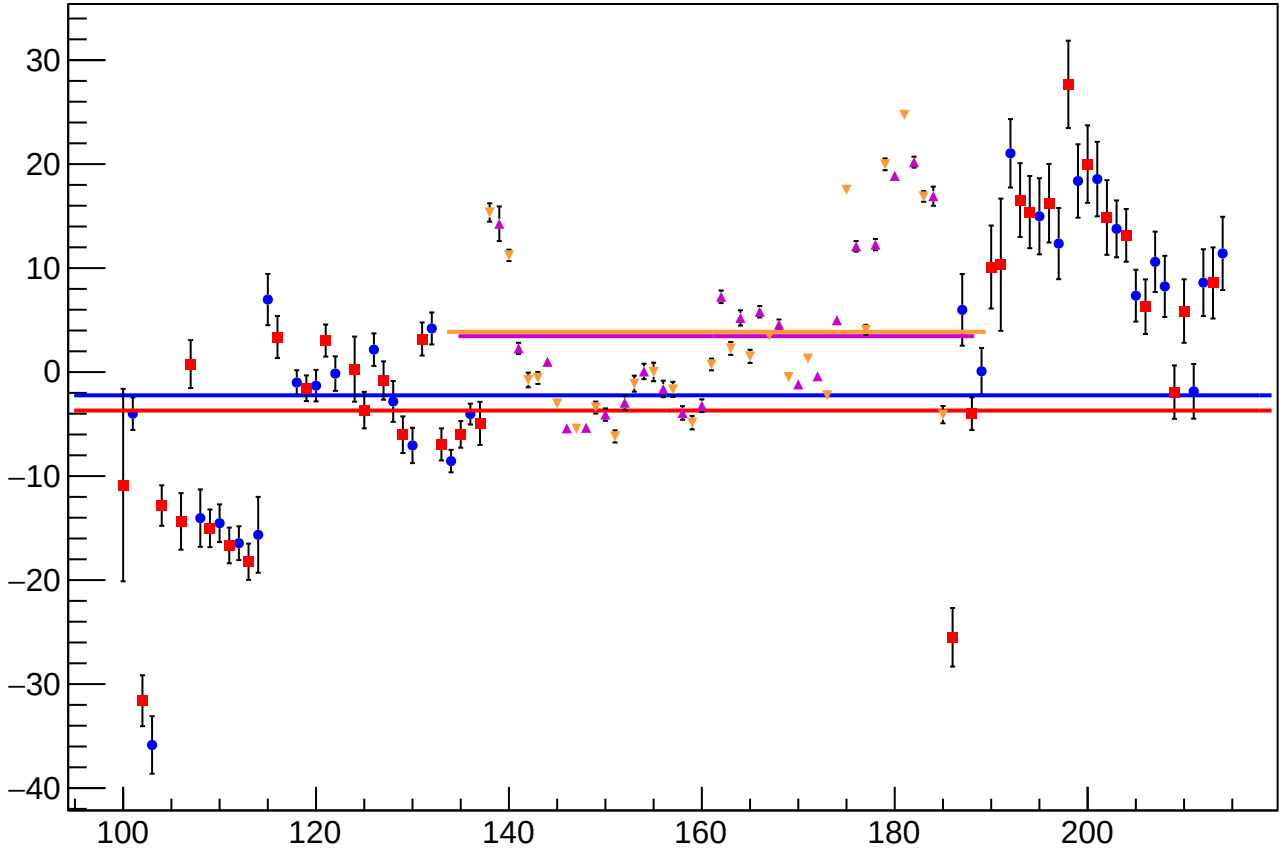
Right: -7.347+/-0.216 χ^2/NDF: 5001.0/63

In: -26.003+/-0.132 χ^2/NDF:17292.2/52

Out: -26.161+/-0.129 χ^2/NDF:24967.5/58

All: -26.084+/-0.092 χ^2/NDF: 42260.4/111

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

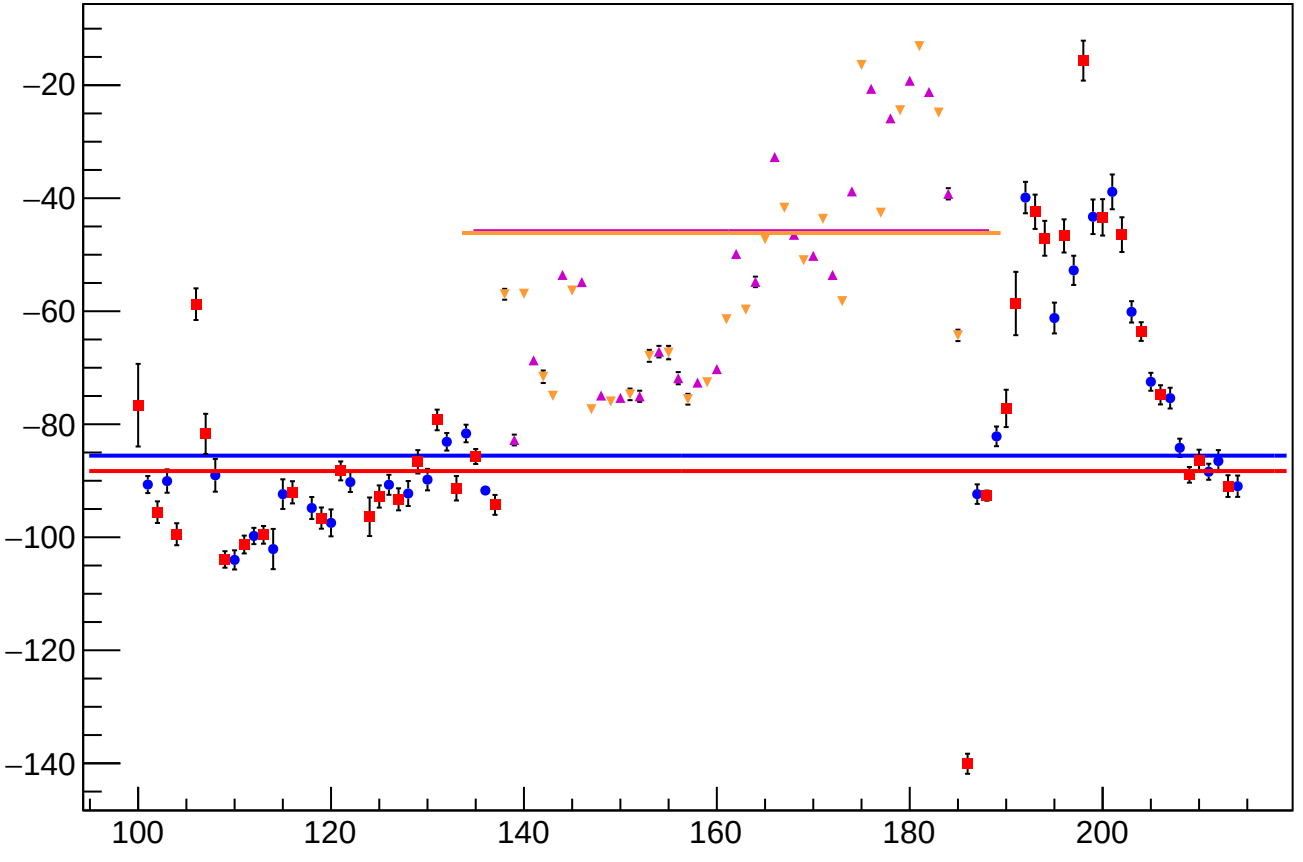
Right: -2.941+/-0.255 χ^2/NDF: 1448.5/63

In: 2.924+/-0.108 χ^2/NDF:5590.2/52

Out: 3.233+/-0.106 χ^2/NDF:7710.2/58

All: 3.081+/-0.076 χ^2/NDF: 13304.6/111

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

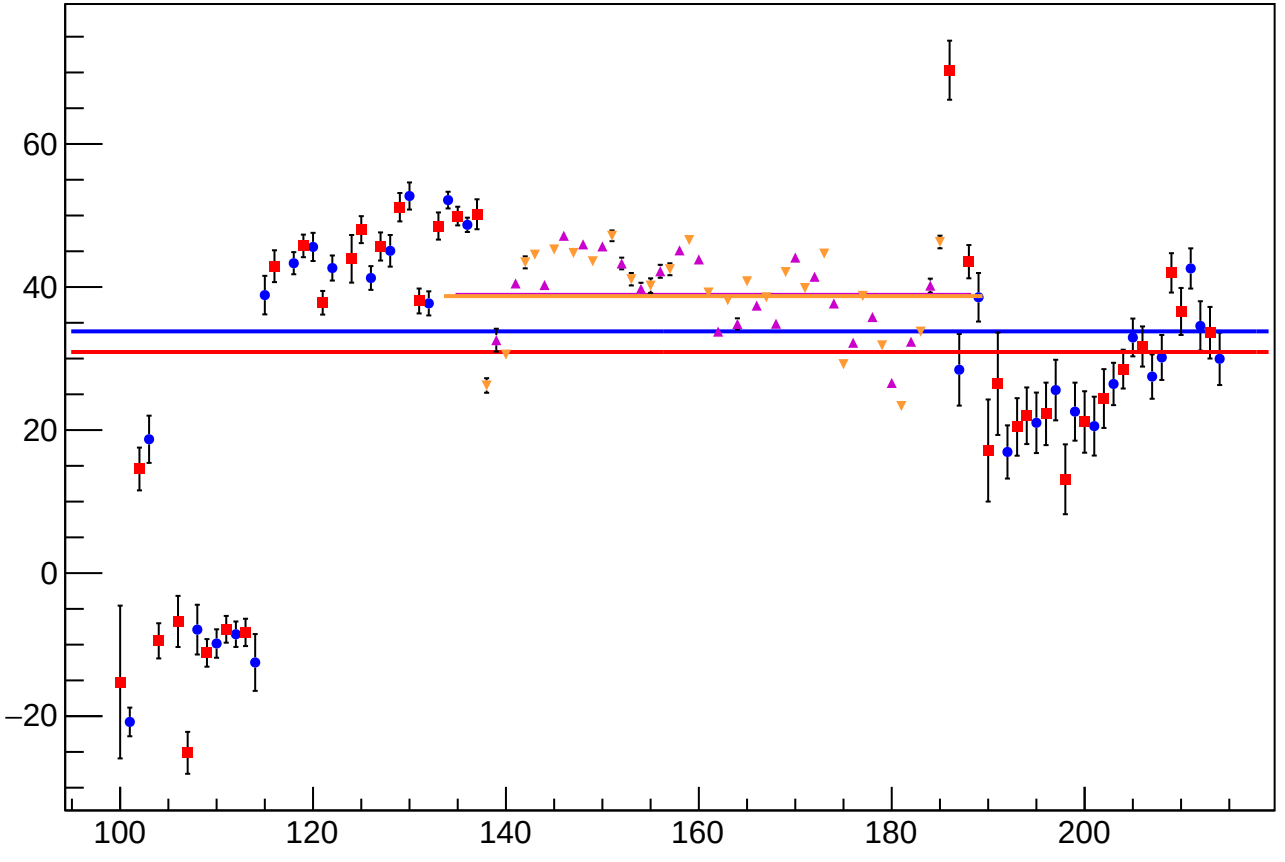
Right: -86.922+/-0.232 χ^2/NDF: 4768.2/63

In: -52.375+/-0.133 χ^2/NDF:31754.0/52

Out: -52.822+/-0.131 χ^2/NDF:38402.2/58

All: -52.603+/-0.093 χ^2/NDF: 70162.0/111

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

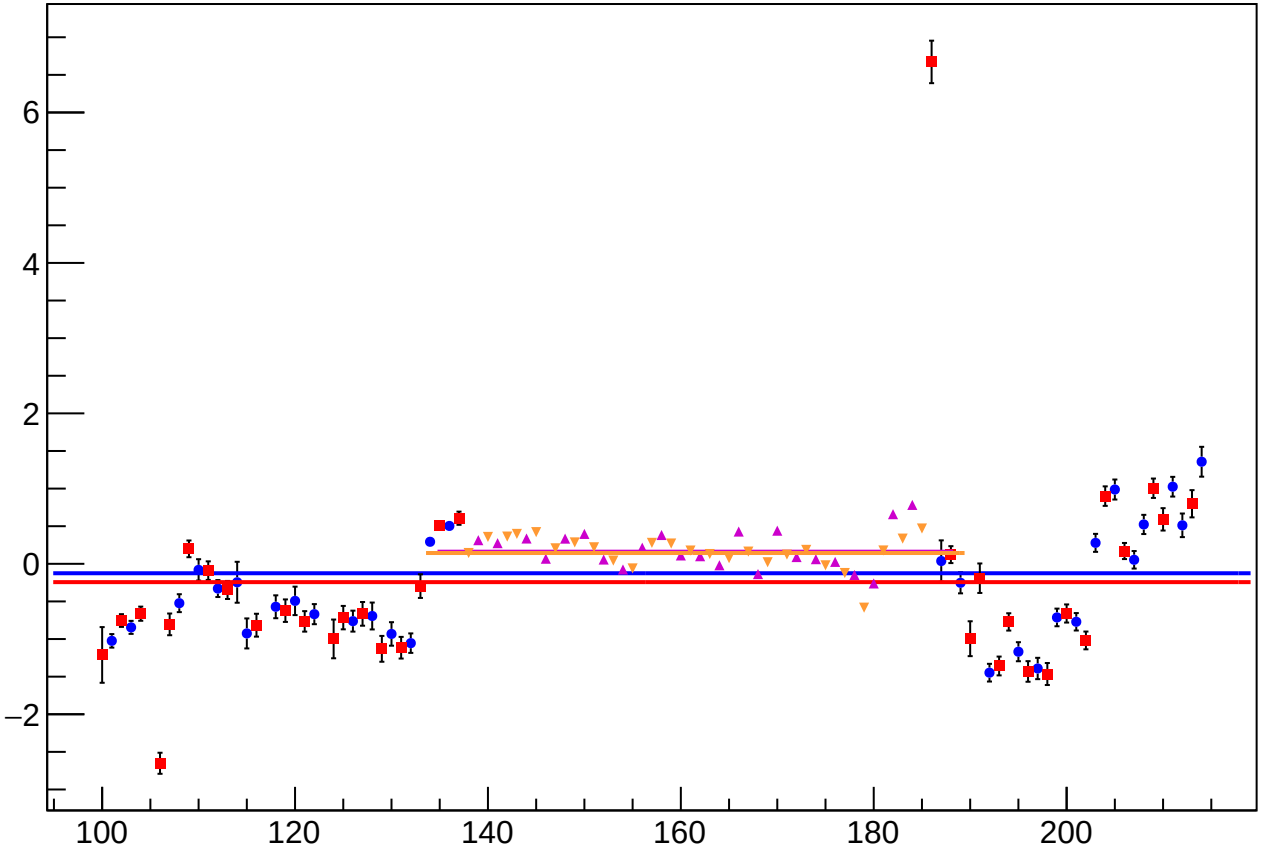
Right: 32.423+/-0.288 χ^2/NDF: 6010.9/63

In: 38.431+/-0.121 χ^2/NDF:5011.2/52

Out: 38.089+/-0.119 χ^2/NDF:6199.7/58

All: 38.257+/-0.085 χ^2/NDF: 11215.0/111

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

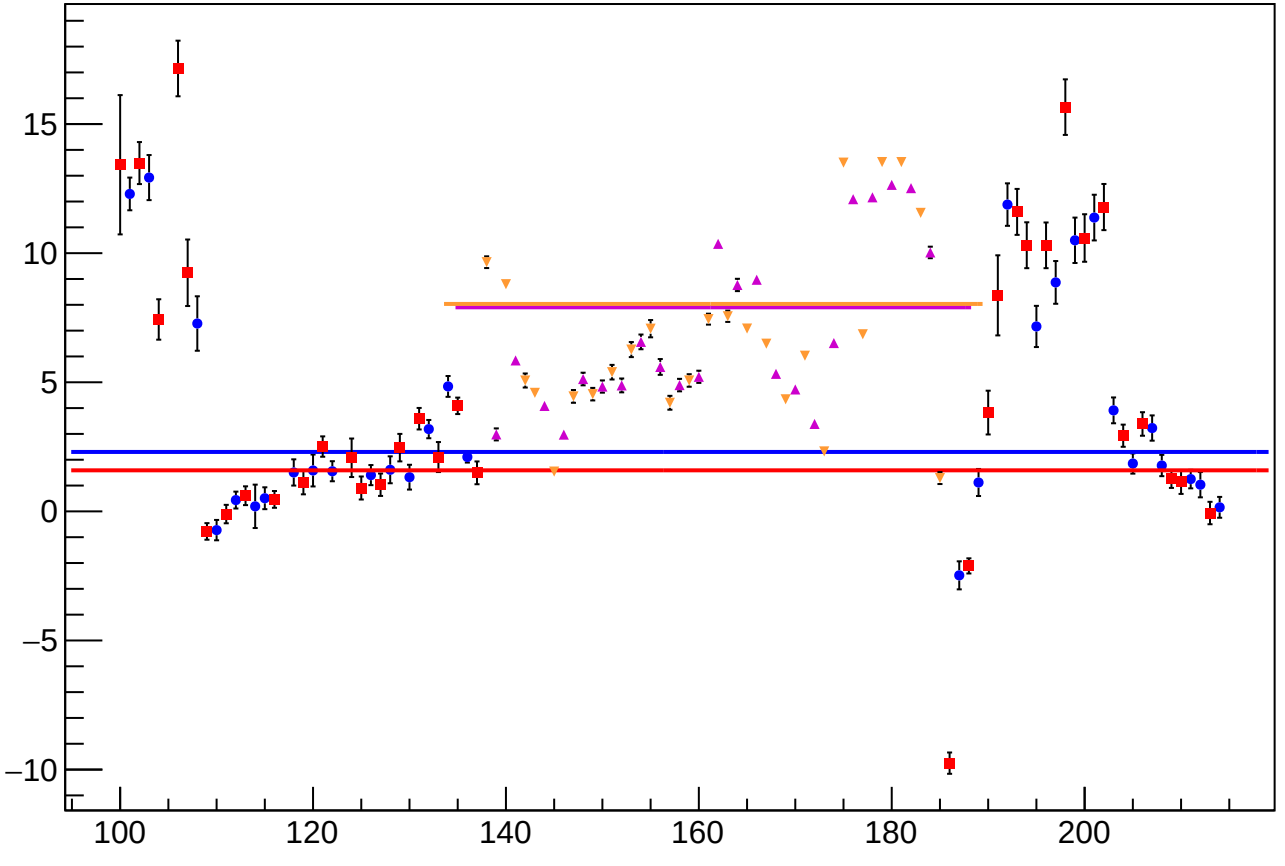
Right: -0.181+/-0.015 χ^2/NDF: 3234.4/63

In: 0.140+/-0.005 χ^2/NDF:3332.2/52

Out: 0.118+/-0.005 χ^2/NDF:3752.2/58

All: 0.129+/-0.004 χ^2/NDF: 7092.1/111

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

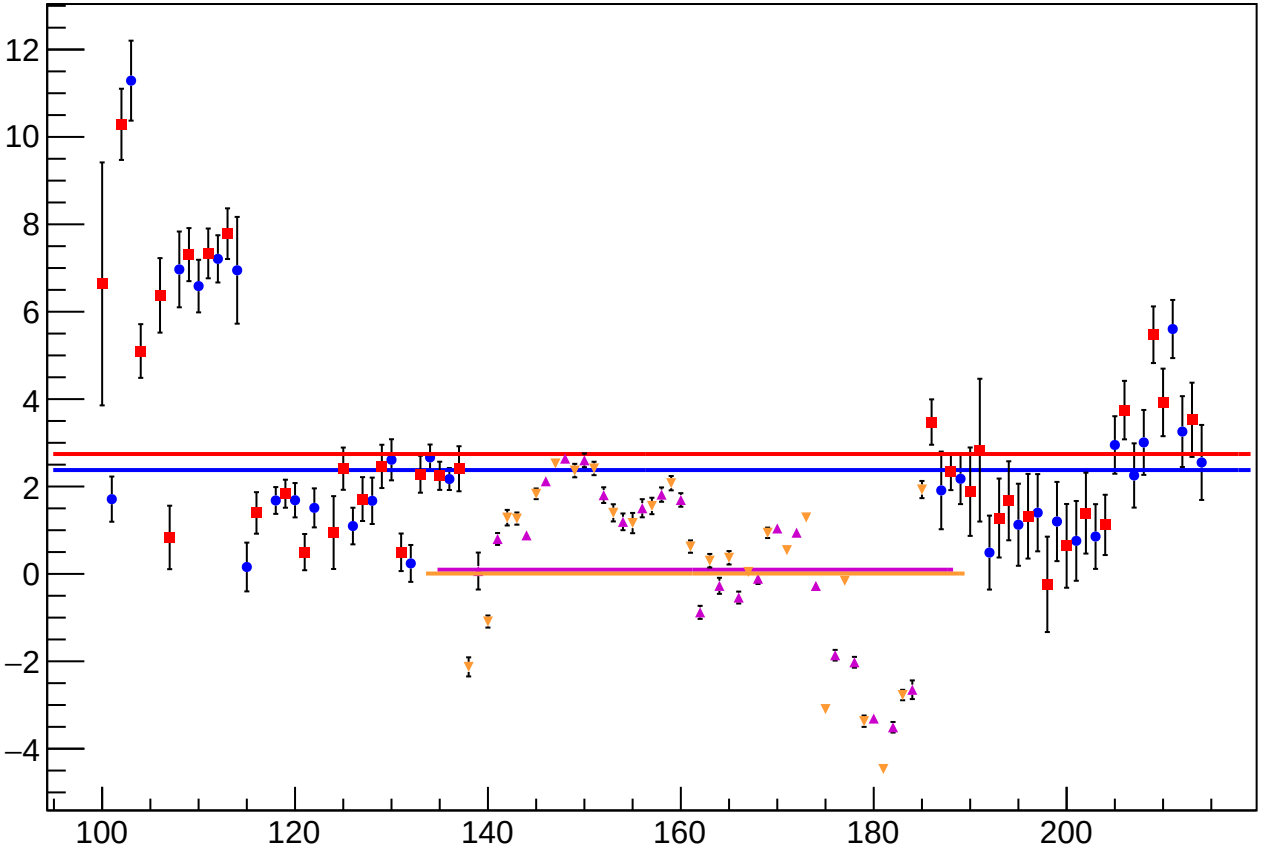
Right: 1.944+/-0.059 χ^2/NDF: 3634.7/63

In: 7.033+/-0.033 χ^2/NDF:14992.0/52

Out: 7.076+/-0.032 χ^2/NDF:21472.0/58

All: 7.055+/-0.023 χ^2/NDF: 36464.8/111

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

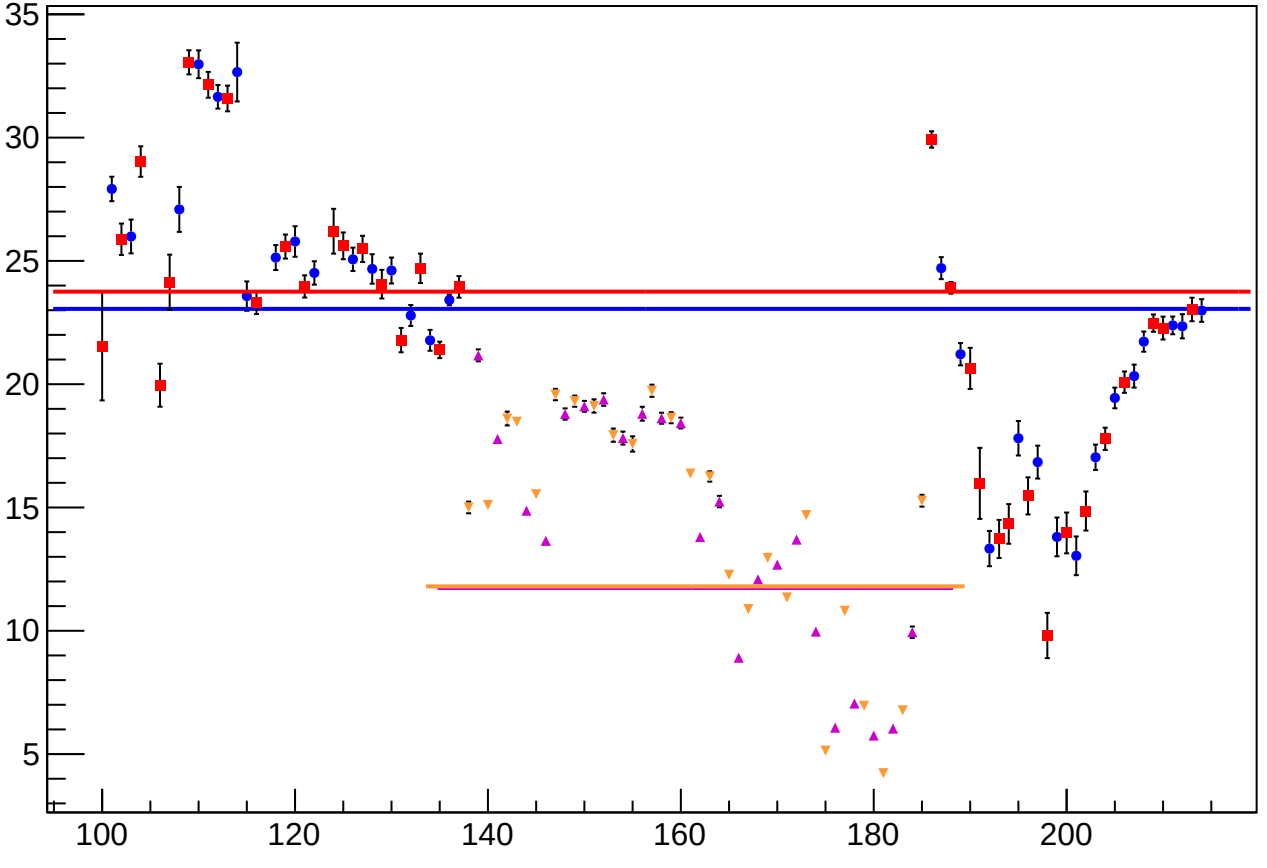
Right: 2.554+/-0.069 χ^2/NDF: 848.8/63

In: 0.277+/-0.027 χ^2/NDF:5330.9/52

Out: 0.204+/-0.026 χ^2/NDF:6931.7/58

All: 0.239+/-0.019 χ^2/NDF: 12266.4/111

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

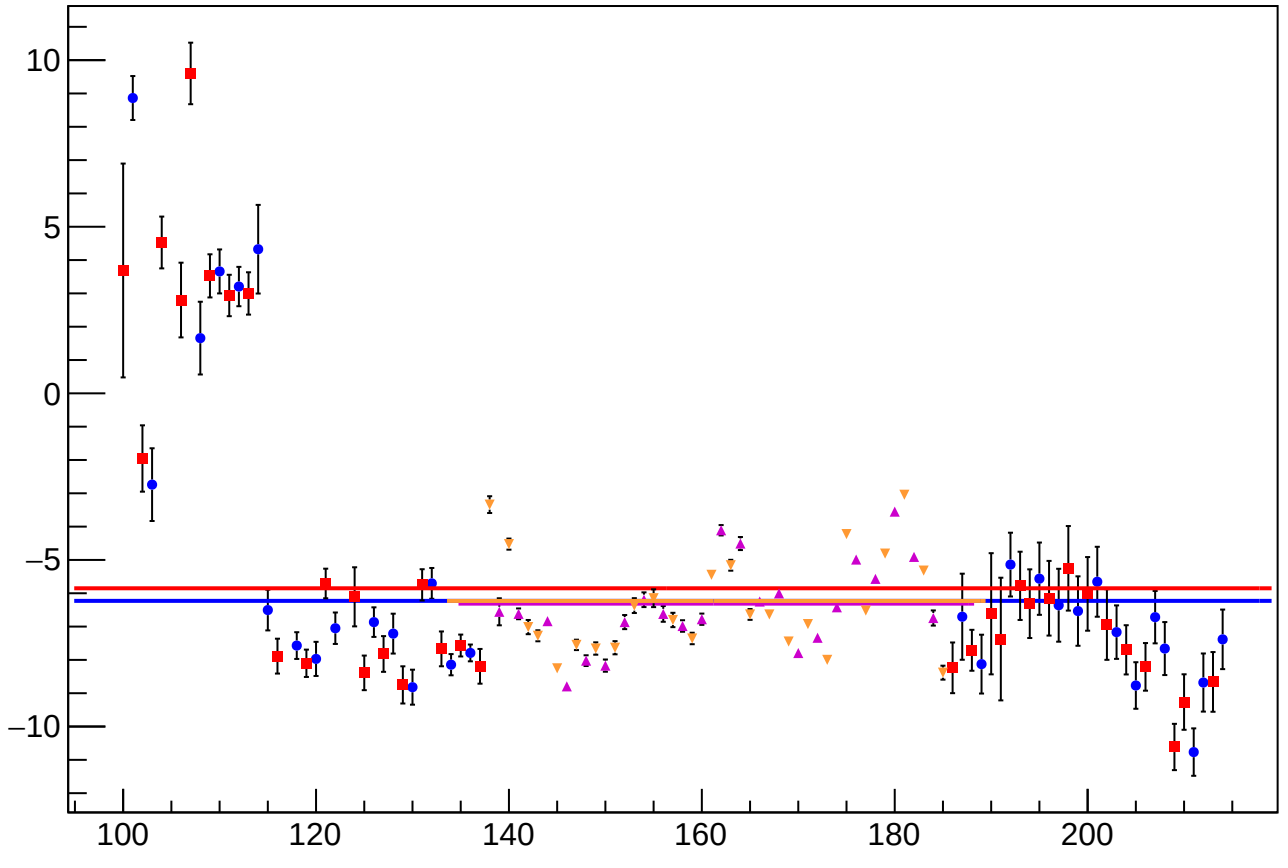
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 23.407+/-0.062 χ^2/NDF: 4525.8/63

In: 13.336+/-0.033 χ^2/NDF:33977.2/52

Out: 13.437+/-0.032 χ^2/NDF:40228.3/58

All: 13.388+/-0.023 χ^2/NDF: 74210.3/111



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

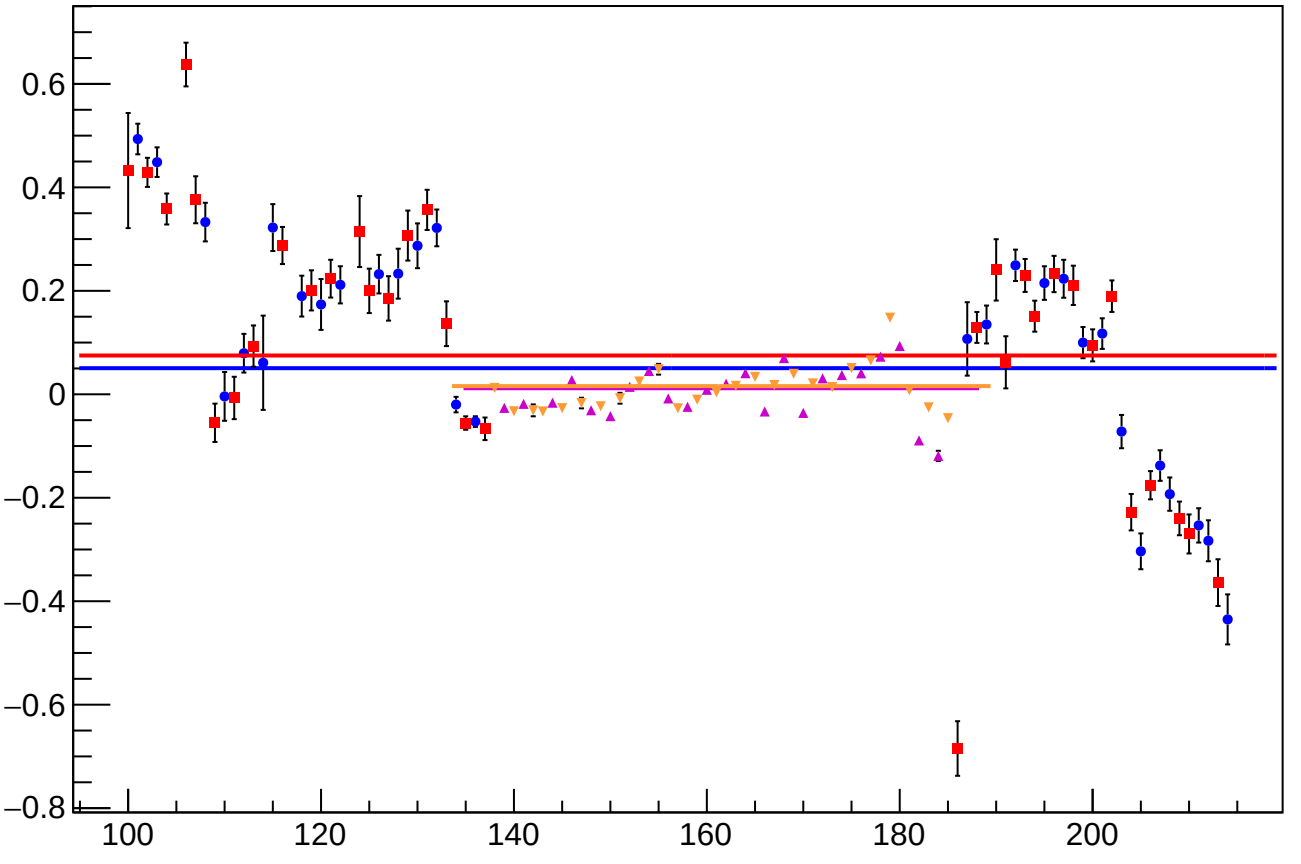
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -6.049+/-0.078 χ^2/NDF: 2768.7/63

In: -6.305+/-0.030 χ^2/NDF:3365.9/52

Out: -6.204+/-0.030 χ^2/NDF:3888.2/58

All: -6.254+/-0.021 χ^2/NDF: 7259.7/111



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

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

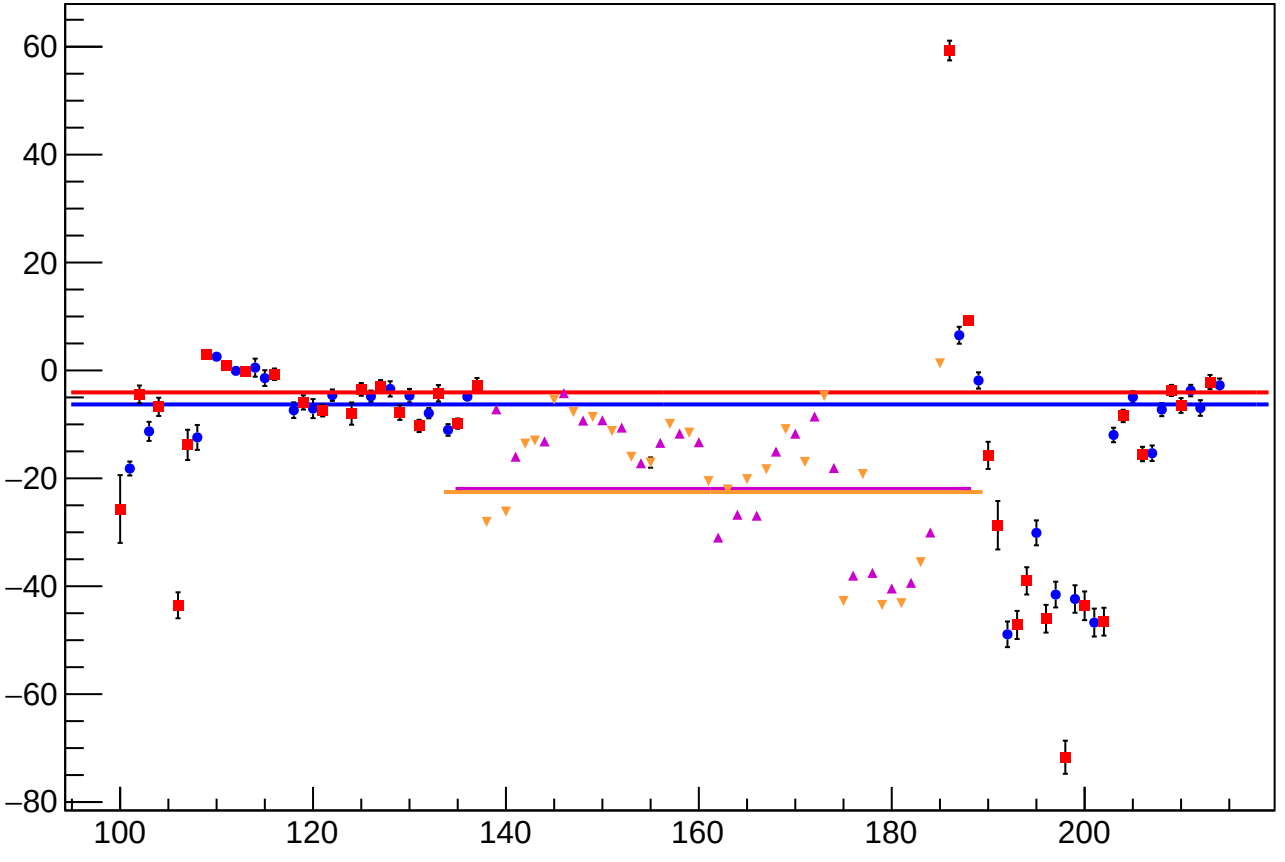
Right: 0.062+/-0.004 χ^2/NDF: 2919.3/63

In: 0.014+/-0.001 χ^2/NDF:2723.4/52

Out: 0.019+/-0.001 χ^2/NDF:2568.2/58

All: 0.017+/-0.001 χ^2/NDF: 5298.1/111

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

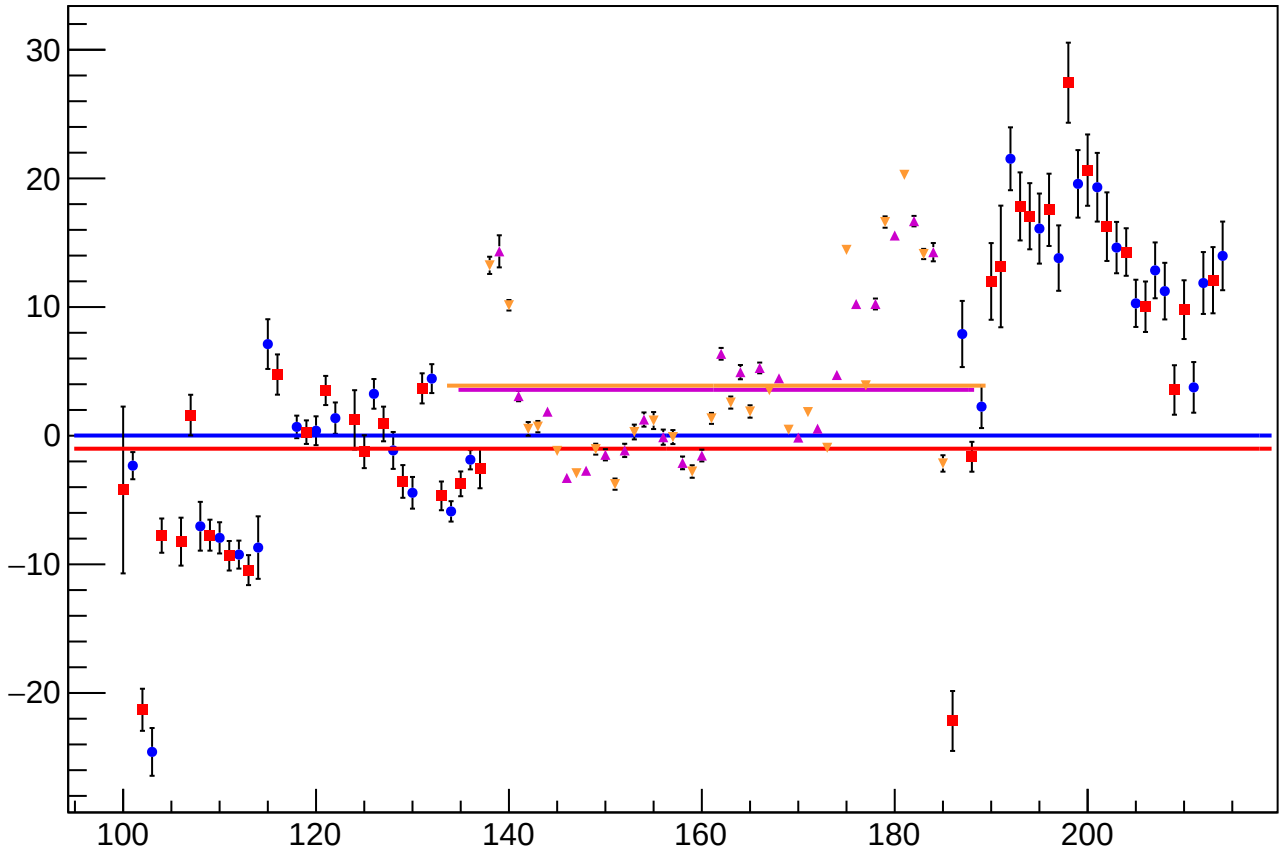
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -5.163+/-0.156 χ^2/NDF: 5581.3/63

In: -18.838+/-0.099 χ^2/NDF:18154.0/52

Out: -18.911+/-0.097 χ^2/NDF:26184.9/58

All: -18.876+/-0.069 χ^2/NDF: 44339.2/111



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

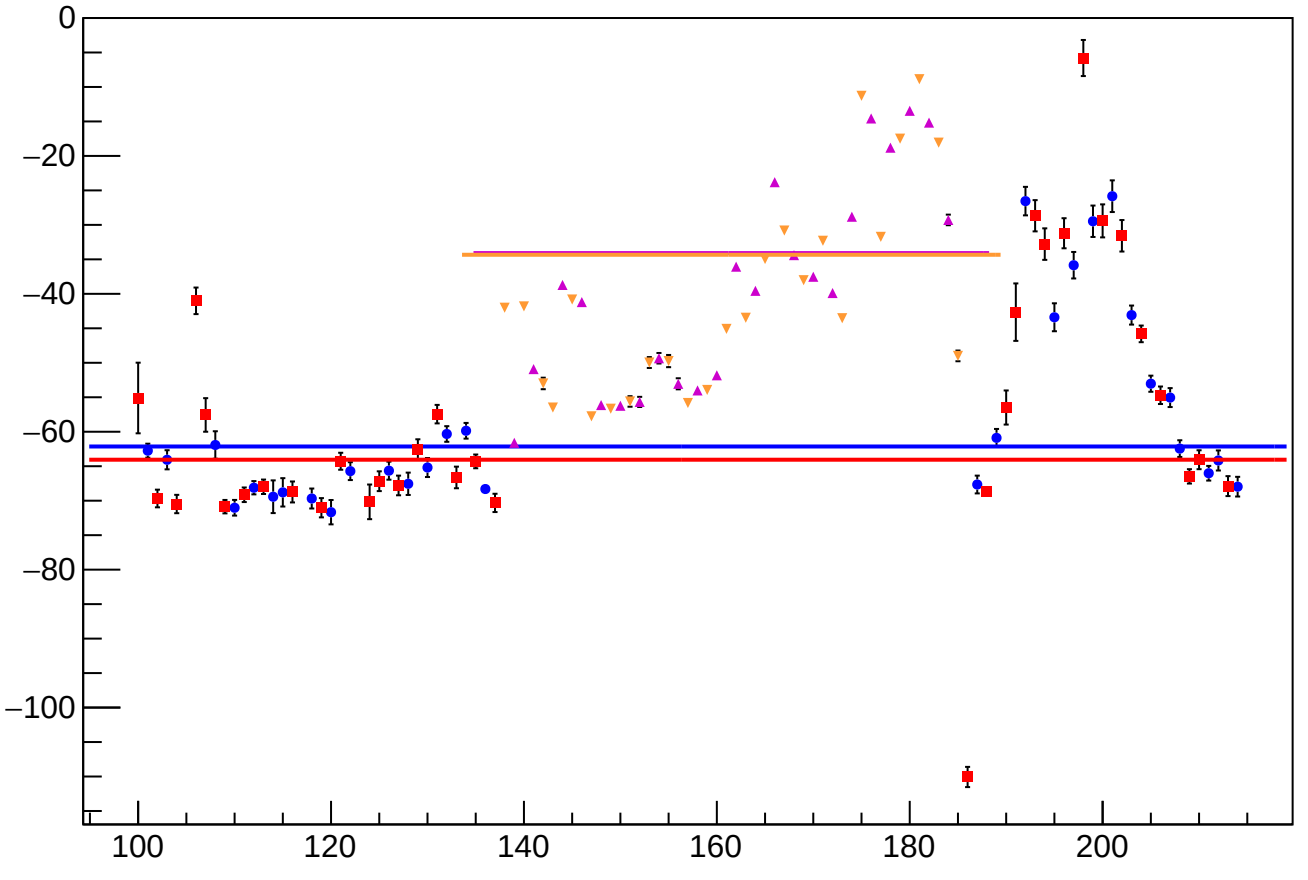
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -0.485+/-0.185 χ^2/NDF: 1922.7/63

In: 3.208+/-0.082 χ^2/NDF:5808.6/52

Out: 3.441+/-0.080 χ^2/NDF:8051.5/58

All: 3.327+/-0.057 χ^2/NDF: 13864.3/111



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

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

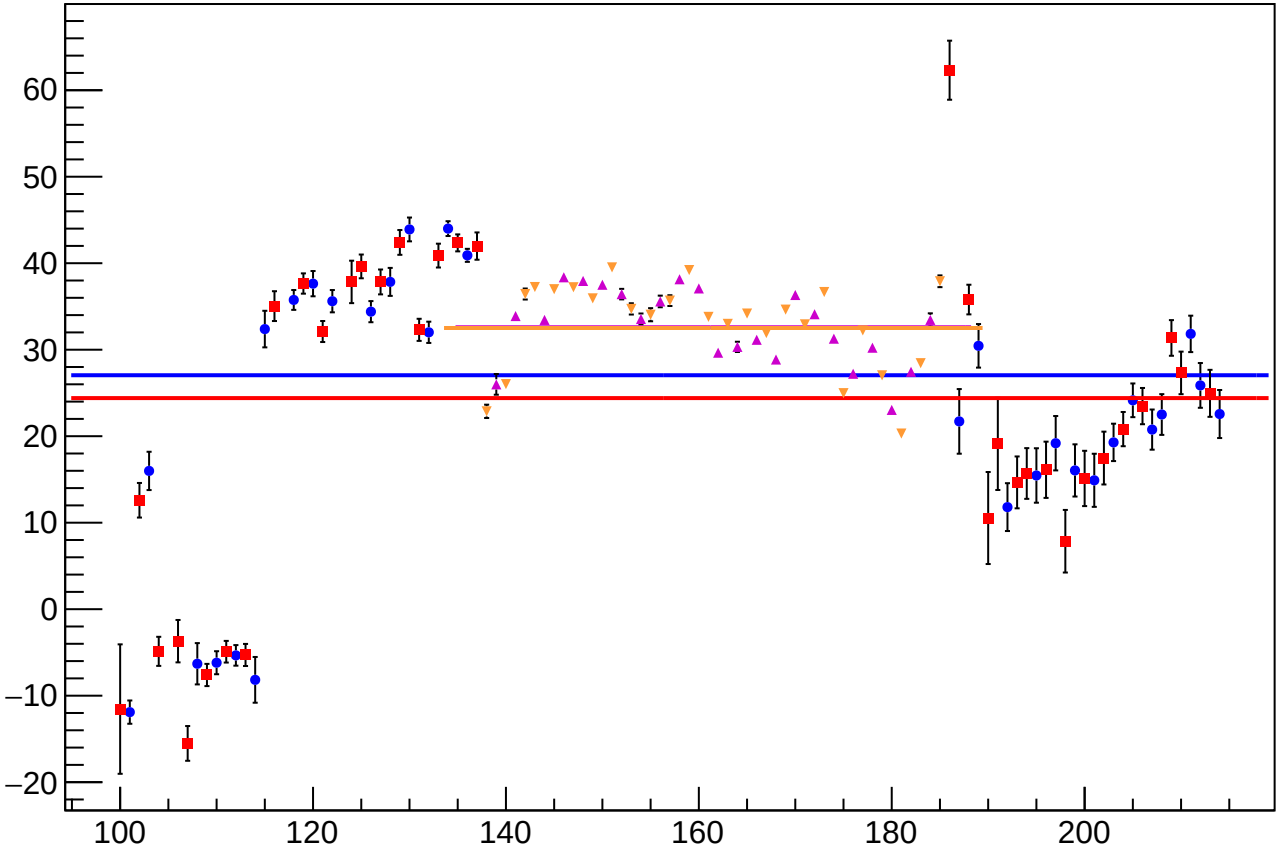
Right: -63.101+/-0.169 χ^2/NDF: 5005.0/63

In: -39.049+/-0.101 χ^2/NDF:30680.8/52

Out: -39.406+/-0.099 χ^2/NDF:37375.3/58

All: -39.231+/-0.070 χ^2/NDF: 68062.5/111

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

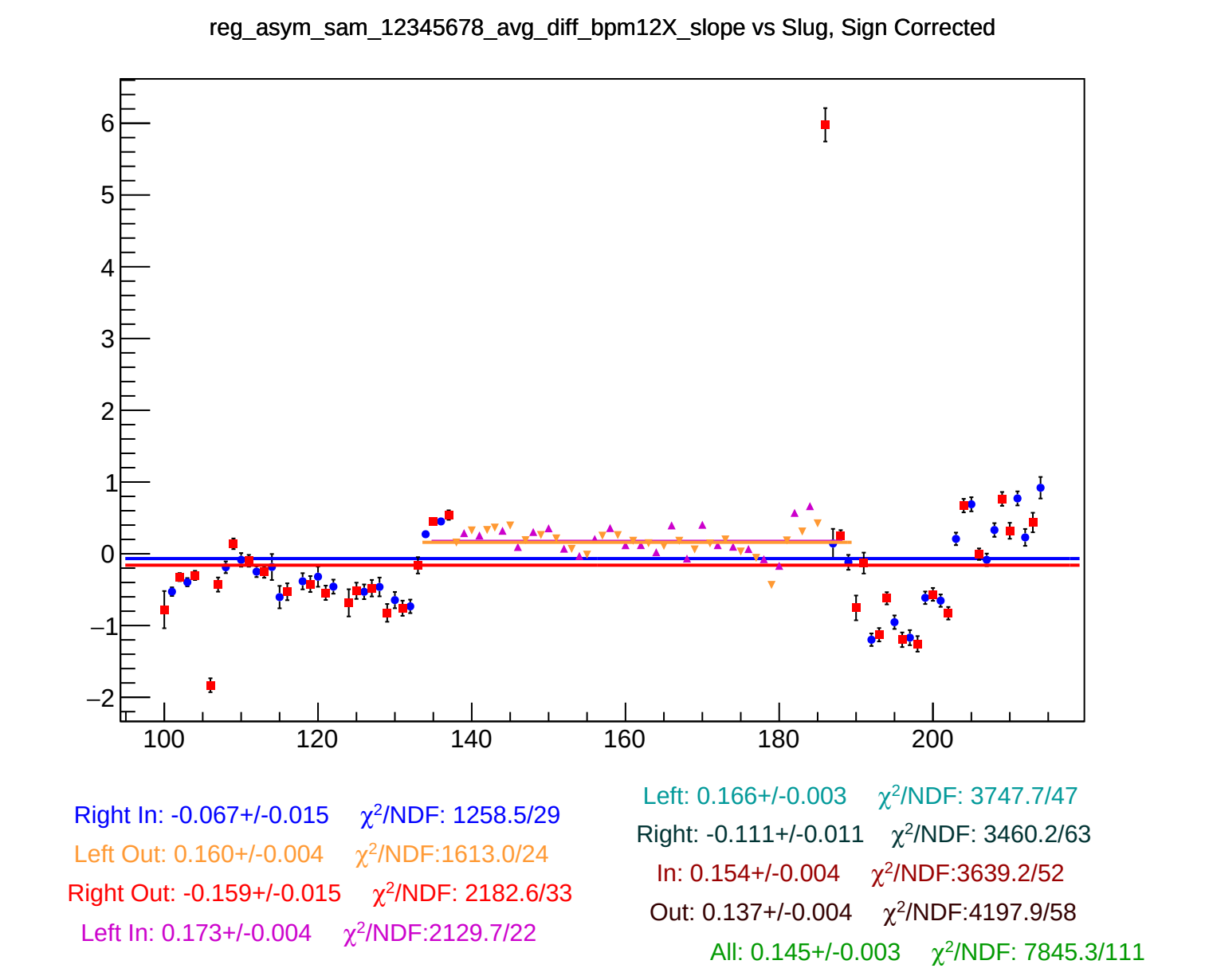
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

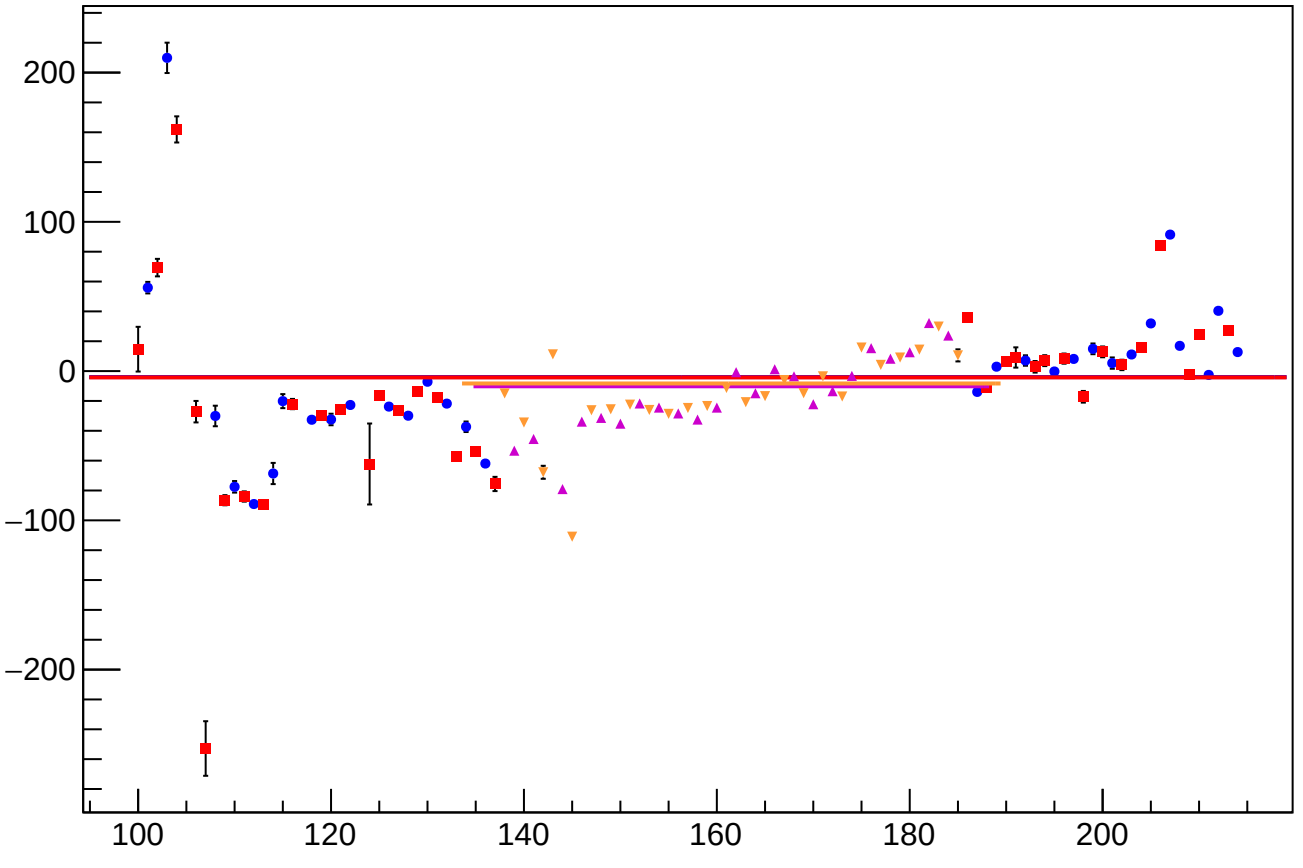
Right: 25.779+/-0.209 χ^2/NDF: 7989.8/63

In: 32.042+/-0.092 χ^2/NDF:6198.5/52

Out: 31.786+/-0.090 χ^2/NDF:7689.8/58

All: 31.912+/-0.064 χ^2/NDF: 13892.2/111


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.067+/-0.015 χ²/NDF: 1258.5/29
Left Out: 0.160+/-0.004 χ²/NDF:1613.0/24
Right Out: -0.159+/-0.015 χ²/NDF: 2182.6/33
Left In: 0.173+/-0.004 χ²/NDF:2129.7/22
Left: 0.166+/-0.003 χ²/NDF: 3747.7/47
Right: -0.111+/-0.011 χ²/NDF: 3460.2/63
In: 0.154+/-0.004 χ²/NDF:3639.2/52
Out: 0.137+/-0.004 χ²/NDF:4197.9/58
All: 0.145+/-0.003 χ²/NDF: 7845.3/111



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

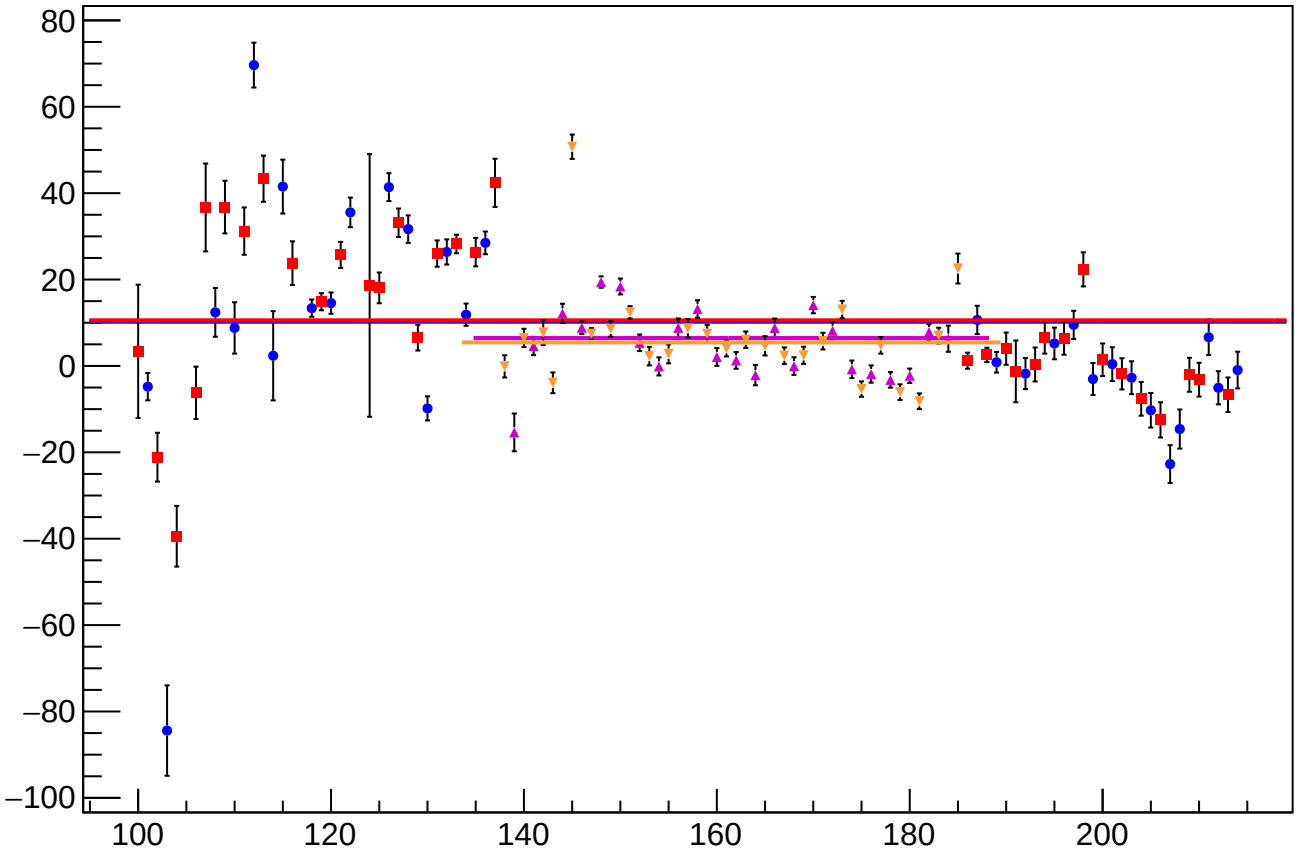
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -4.128+/-0.364 χ^2/NDF: 10779.7/63

In: -7.126+/-0.374 χ^2/NDF:7513.2/52

Out: -6.207+/-0.358 χ^2/NDF:8444.7/58

All: -6.647+/-0.259 χ^2/NDF: 15961.1/111



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

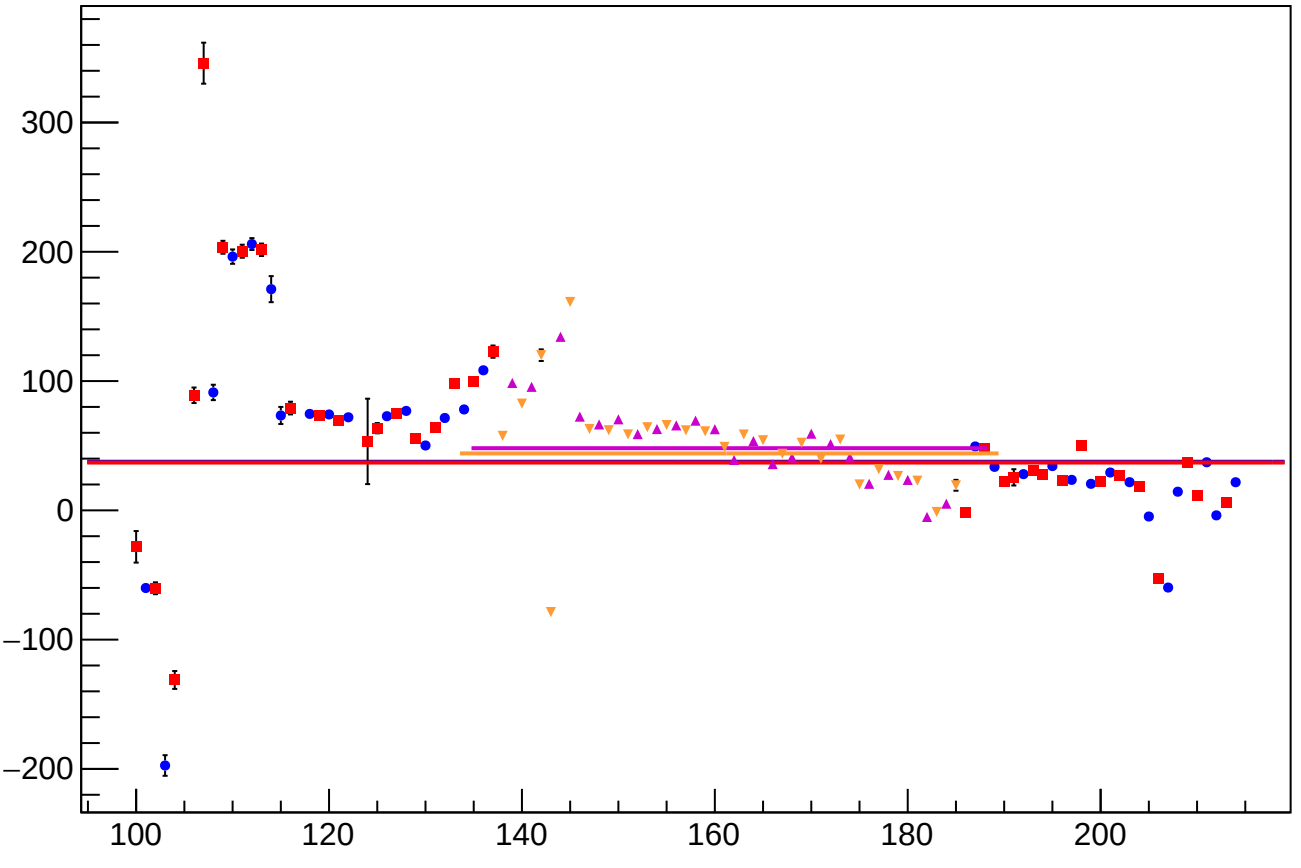
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 10.410+/-0.432 χ^2/NDF: 1377.1/63

In: 7.587+/-0.342 χ^2/NDF:1147.4/52

Out: 6.998+/-0.329 χ^2/NDF:1136.0/58

All: 7.281+/-0.237 χ^2/NDF: 2284.9/111



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

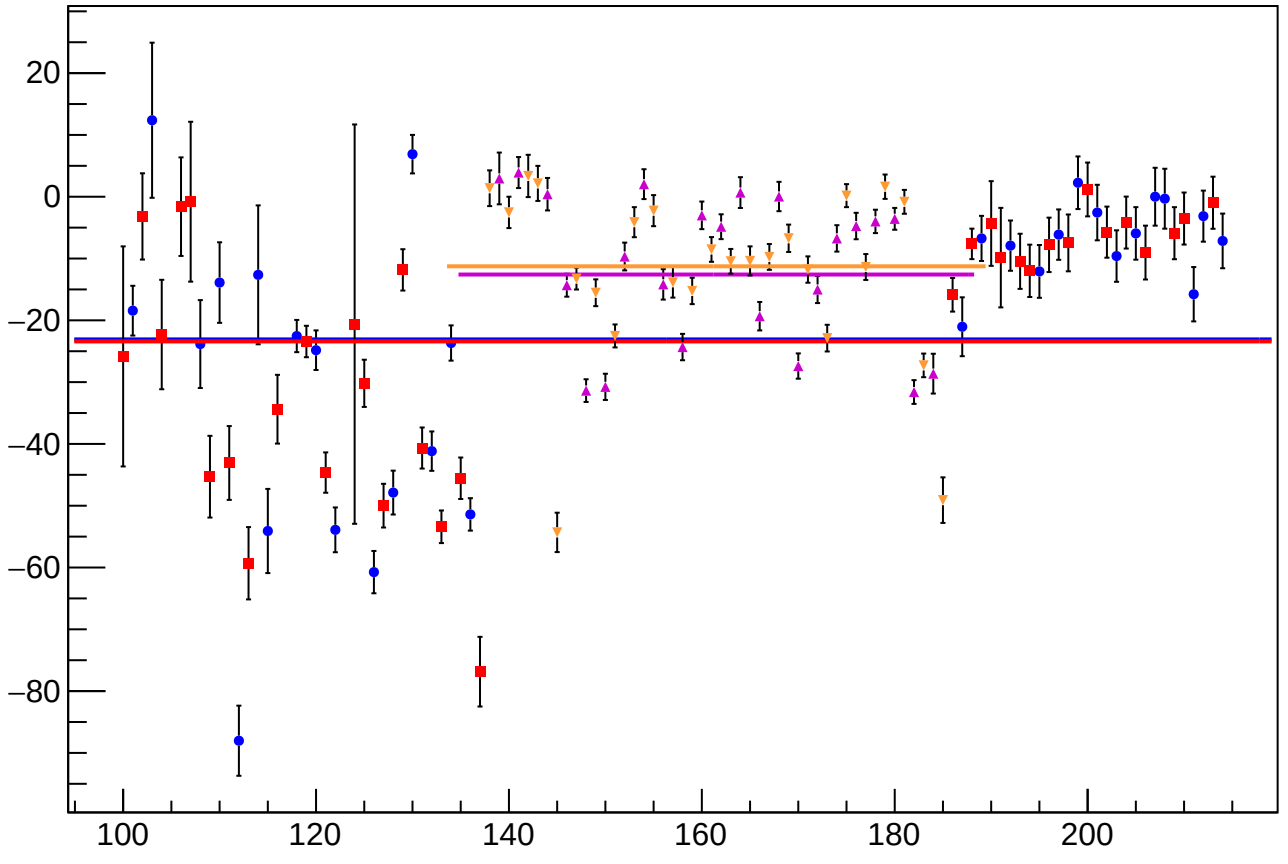
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 37.260+/-0.353 χ^2/NDF: 17595.0/63

In: 42.906+/-0.371 χ^2/NDF:11845.2/52

Out: 40.261+/-0.348 χ^2/NDF:13991.2/58

All: 41.498+/-0.254 χ^2/NDF: 25863.6/111



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

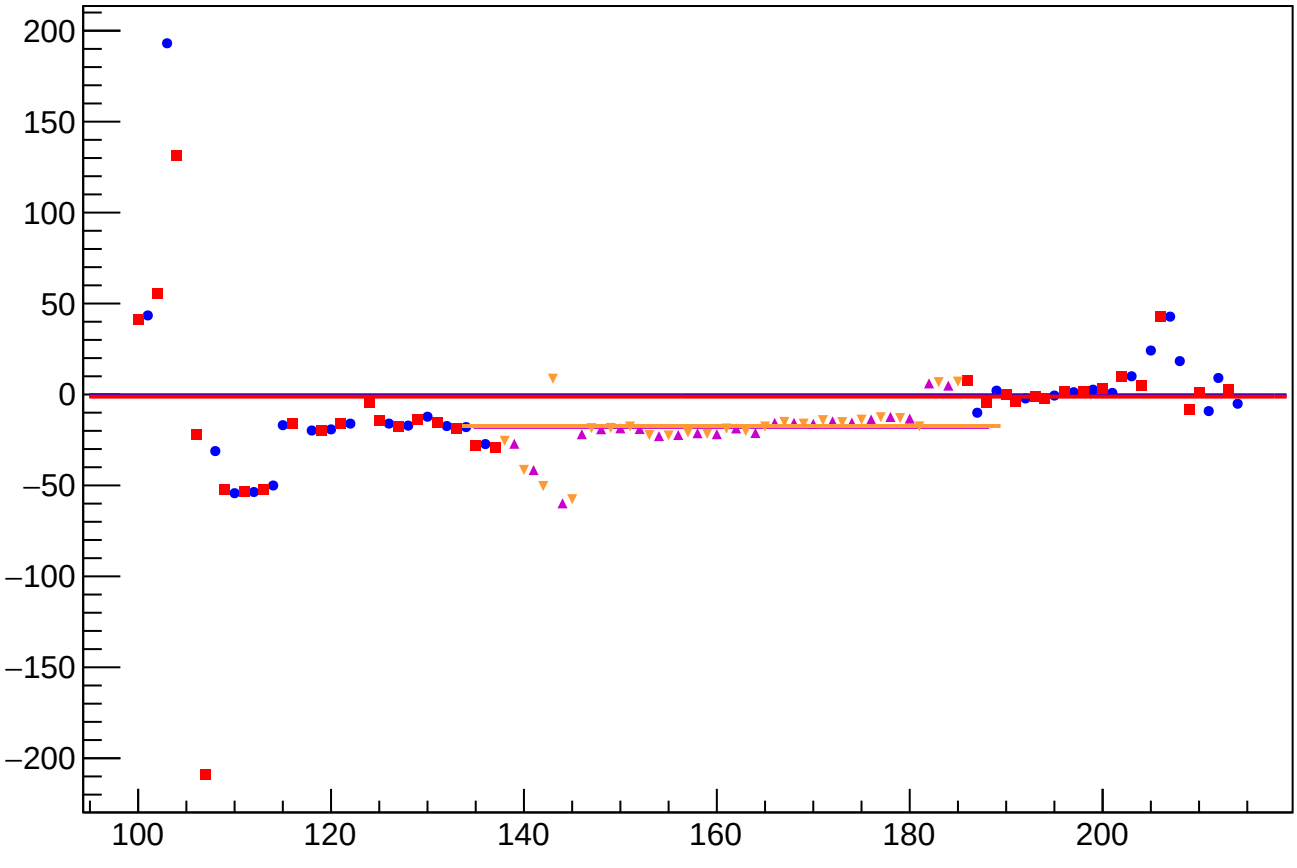
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -23.252+/-0.511 χ^2/NDF: 1609.1/63

In: -15.575+/-0.388 χ^2/NDF:1694.5/52

Out: -14.635+/-0.378 χ^2/NDF:1585.8/58

All: -15.093+/-0.271 χ^2/NDF: 3283.3/111



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

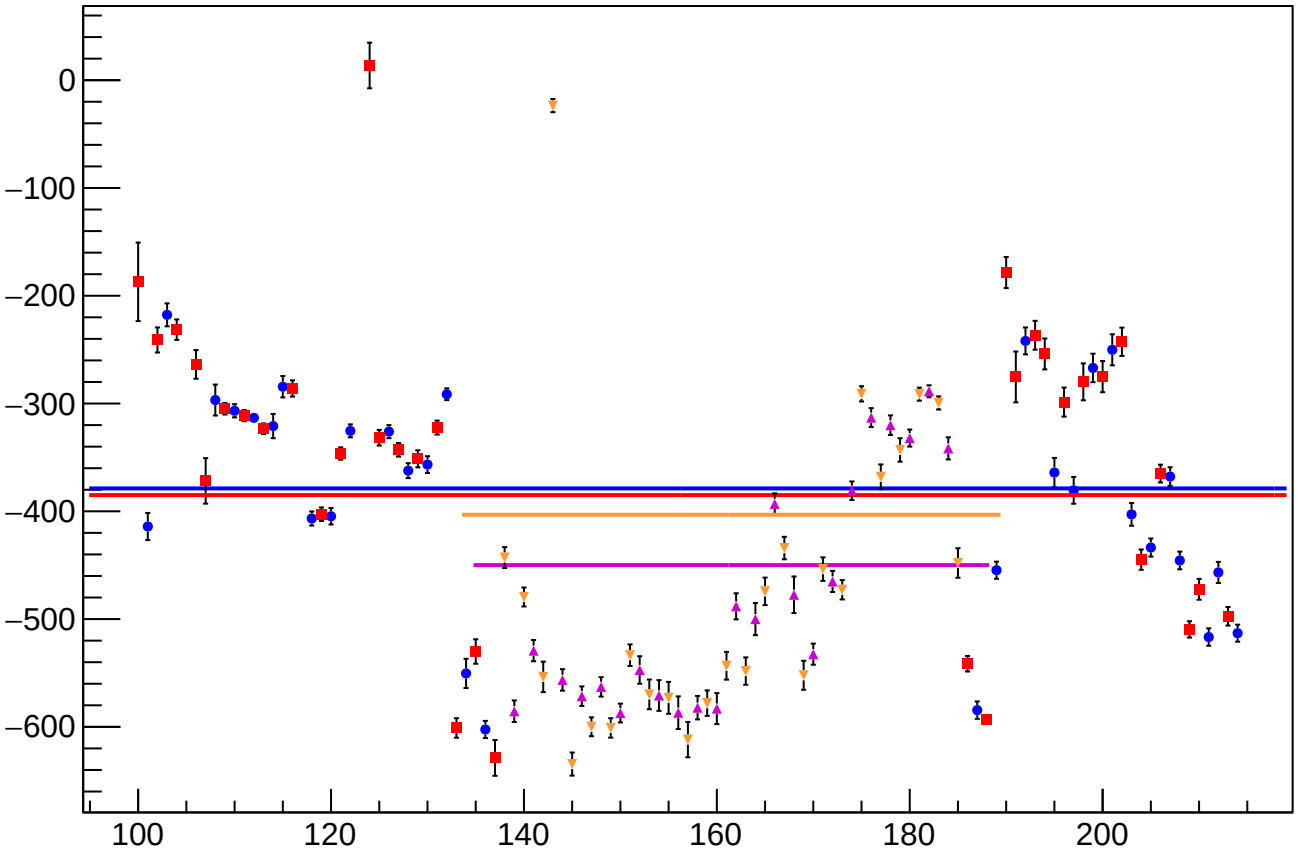
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -0.818+/-0.024 χ^2/NDF: 1219967.7/63

In: -13.301+/-0.017 χ^2/NDF:1106642.6/52

Out: -13.113+/-0.017 χ^2/NDF:1090356.9/58

All: -13.206+/-0.012 χ^2/NDF: 2197058.4/111



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

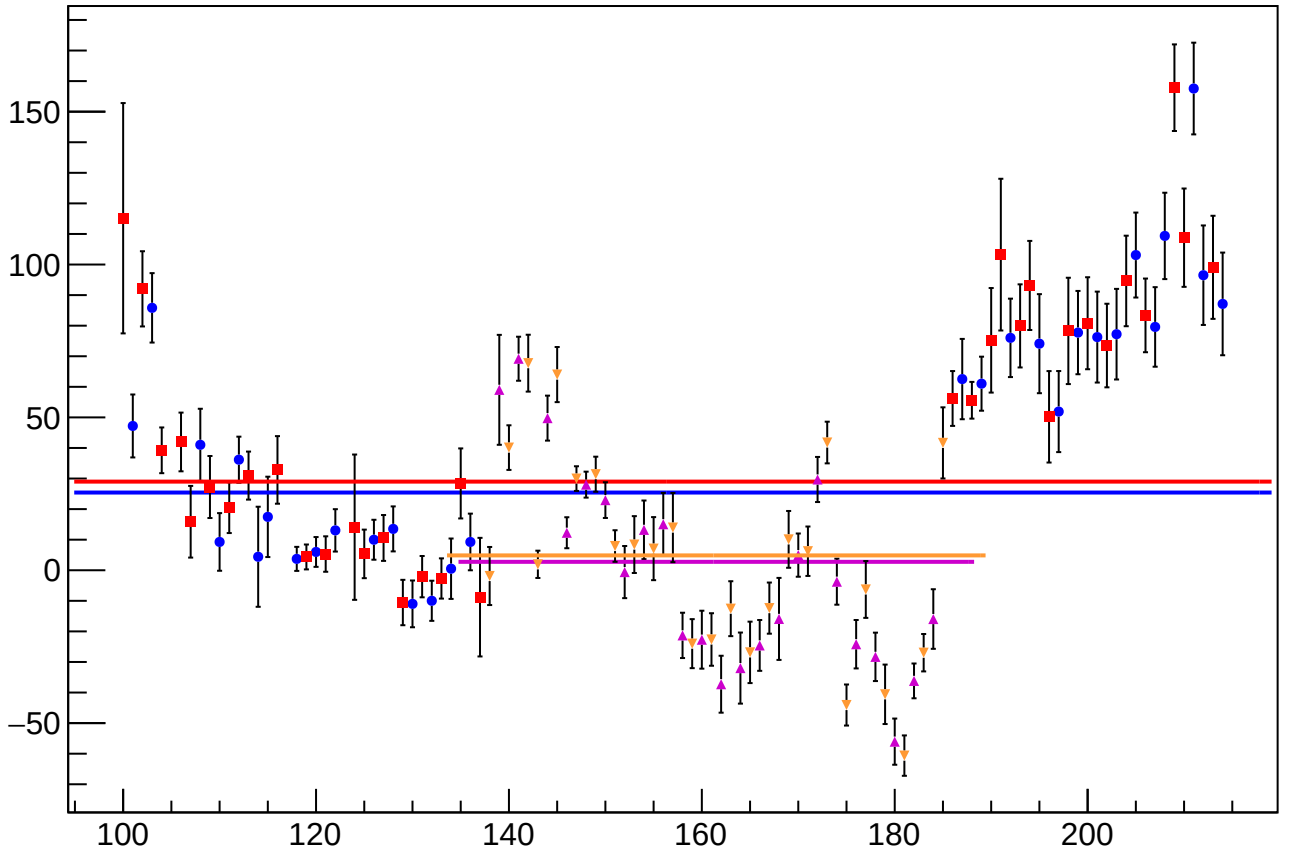
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -382.016+/-1.024 χ^2/NDF: 10834.7/63

In: -403.362+/-1.201 χ^2/NDF:7918.2/52

Out: -391.328+/-1.140 χ^2/NDF:14728.2/58

All: -397.030+/-0.827 χ^2/NDF: 22699.1/111



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

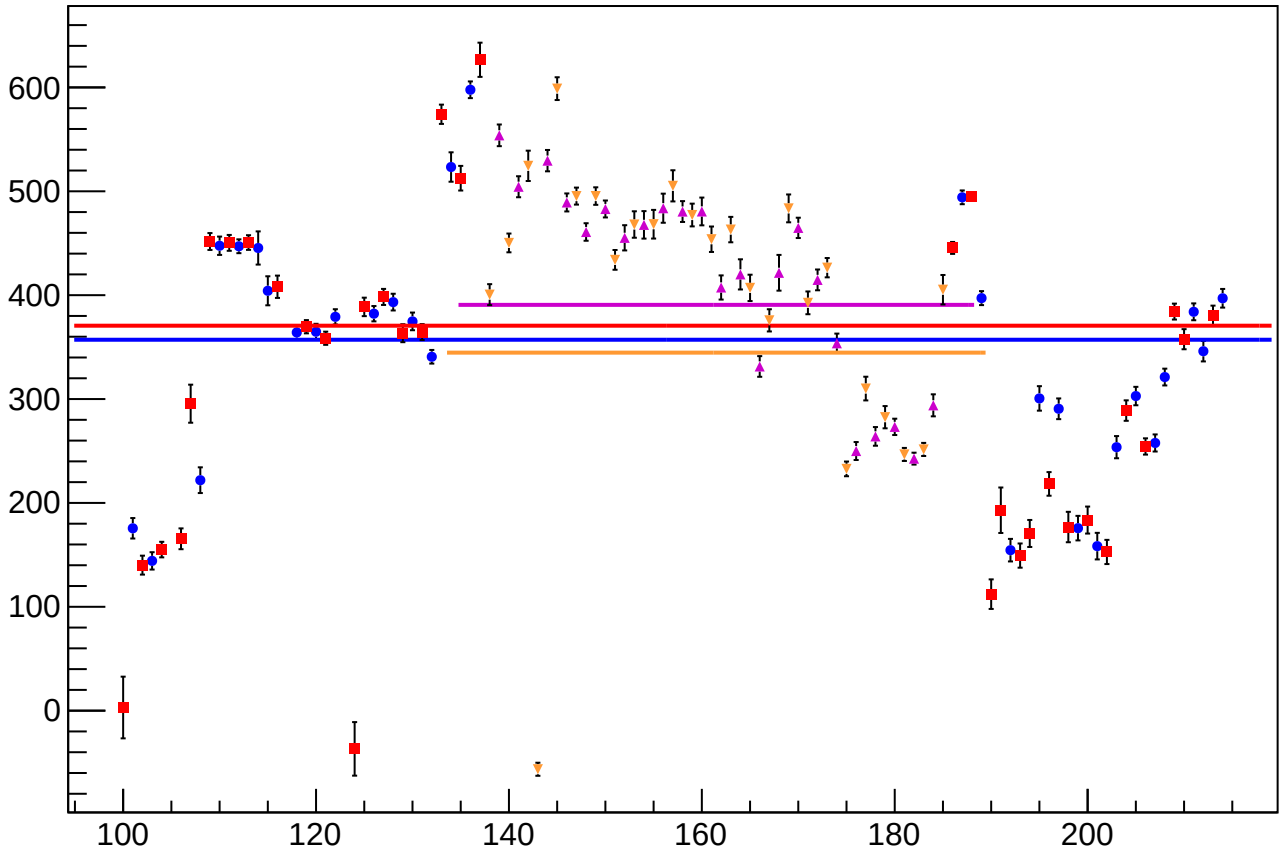
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 27.247+/-1.148 χ^2/NDF: 906.9/63

In: 13.468+/-1.129 χ^2/NDF:946.1/52

Out: 15.669+/-1.075 χ^2/NDF:1040.4/58

All: 14.622+/-0.778 χ^2/NDF: 1988.4/111



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

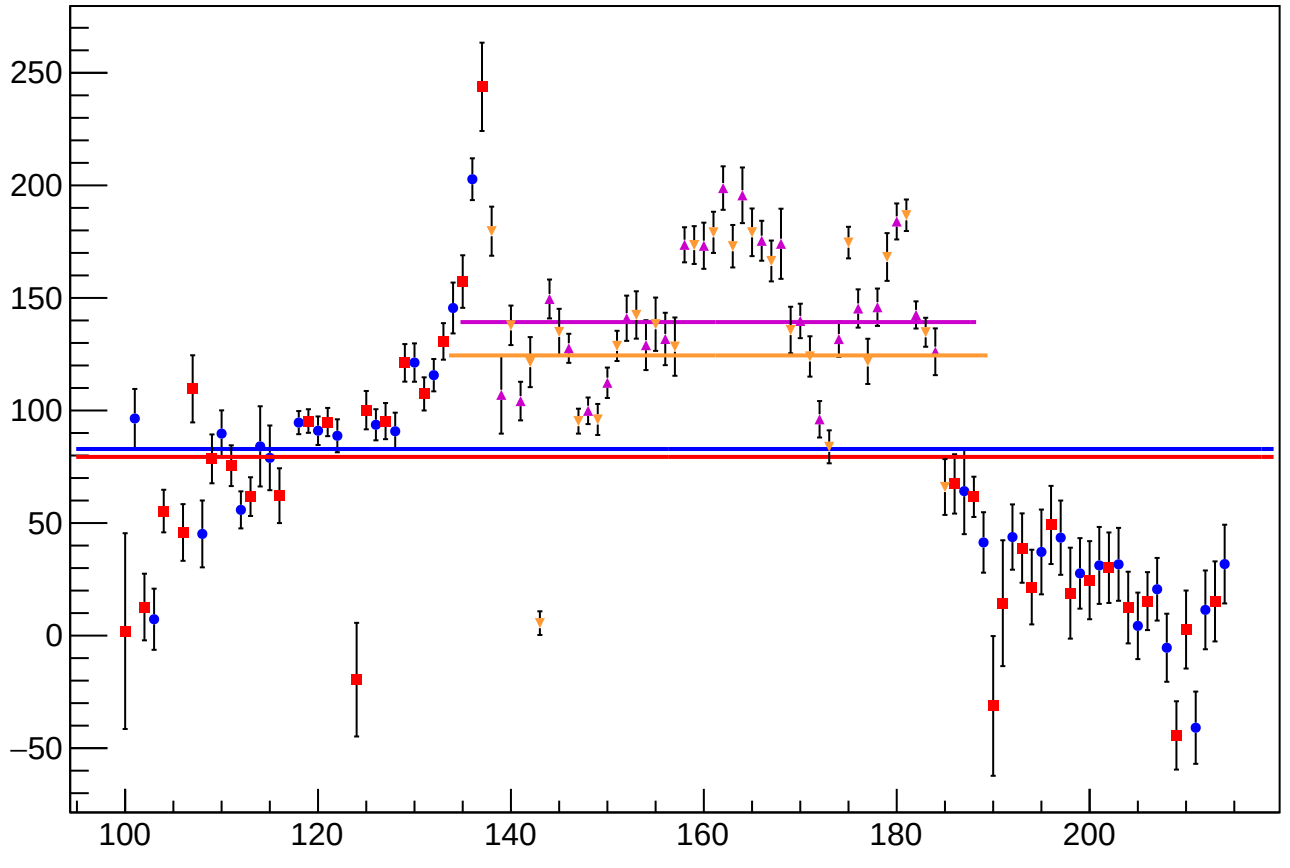
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 364.354+/-1.076 χ^2/NDF: 11463.4/63

In: 369.785+/-1.248 χ^2/NDF:7052.9/52

Out: 361.064+/-1.168 χ^2/NDF:14607.3/58

All: 365.136+/-0.852 χ^2/NDF: 21686.3/111



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

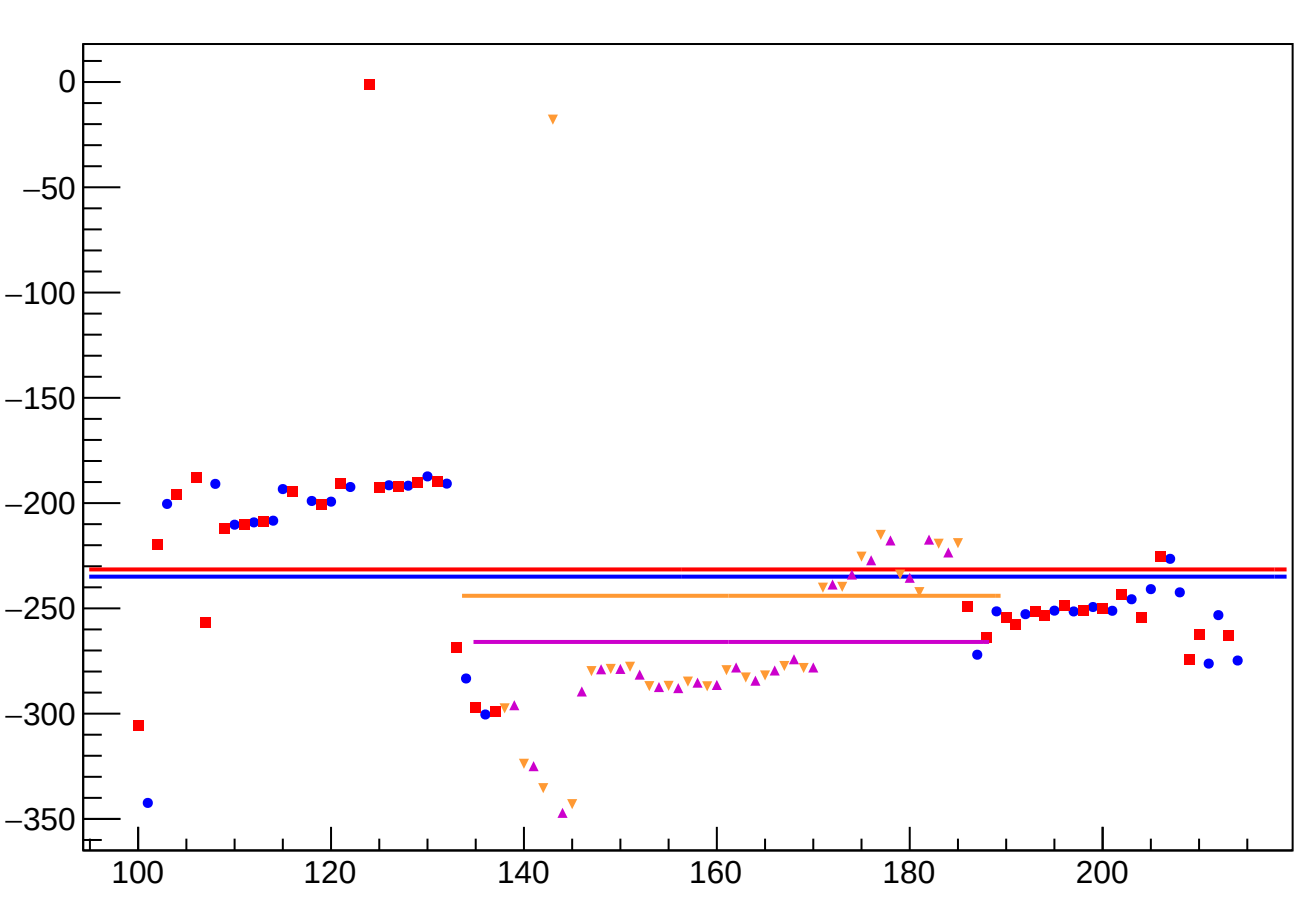
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 81.115+/-1.344 χ^2/NDF: 1026.8/63

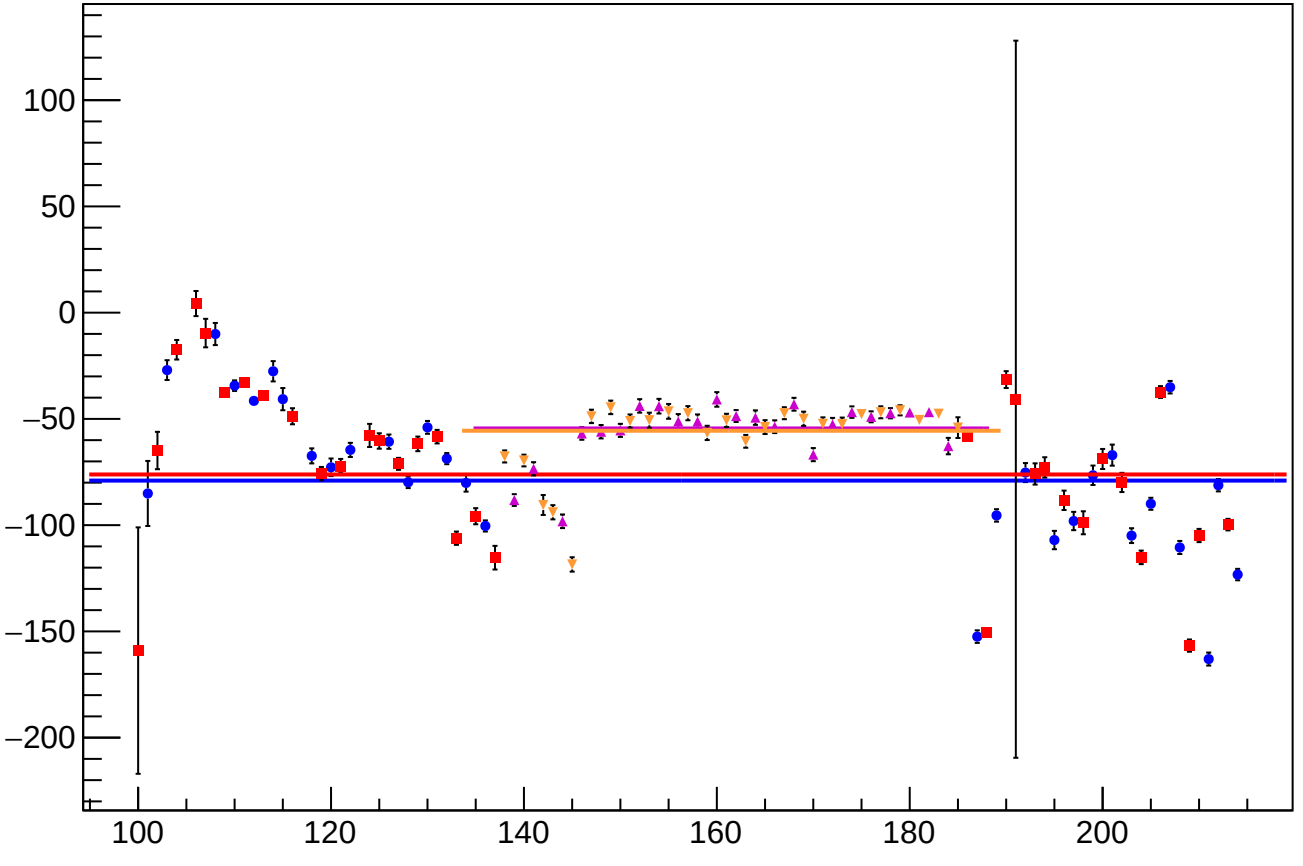
In: 113.302+/-1.299 χ^2/NDF:1255.9/52

Out: 104.763+/-1.247 χ^2/NDF:1757.0/58

All: 108.857+/-0.900 χ^2/NDF: 3035.4/111


reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
−350
100
120
140
160
180
200
Right In: -234.928+/-0.104 χ²/NDF: 141694.9/29
Left Out: -244.021+/-0.077 χ²/NDF:997959.6/24
Right Out: -231.503+/-0.100 χ²/NDF: 118045.0/33
Left In: -265.945+/-0.081 χ²/NDF:169943.2/22
Left: -254.542+/-0.056 χ²/NDF: 1206480.5/47
Right: -233.153+/-0.072 χ²/NDF: 260299.8/63
In: -254.347+/-0.064 χ²/NDF:367149.5/52
Out: -239.363+/-0.061 χ²/NDF:1125754.2/58
All: -246.565+/-0.044 χ²/NDF: 1521643.7/11

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

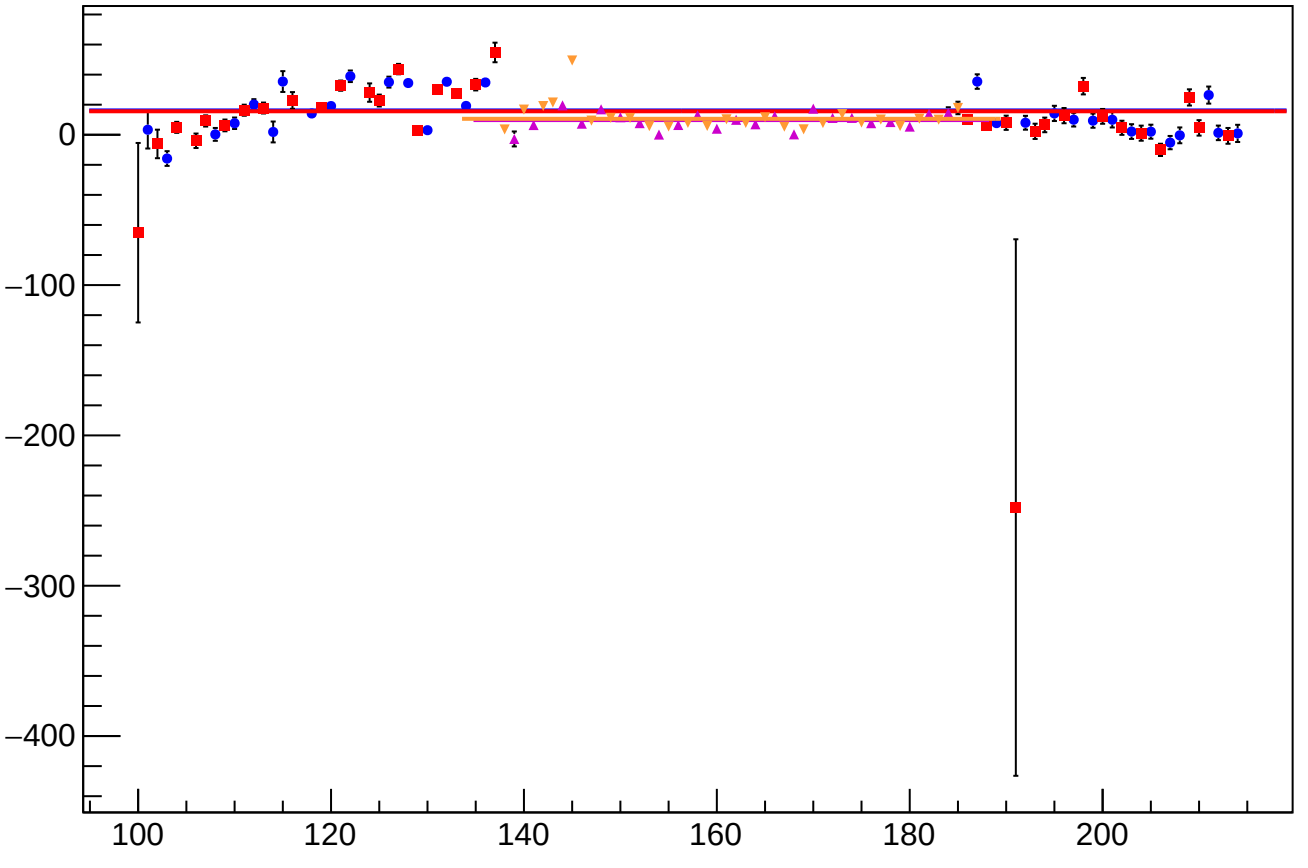
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -77.484+/-0.412 χ^2/NDF: 8591.7/63

In: -66.766+/-0.429 χ^2/NDF:4764.4/52

Out: -66.361+/-0.407 χ^2/NDF:6458.4/58

All: -66.553+/-0.295 χ^2/NDF: 11223.3/111



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

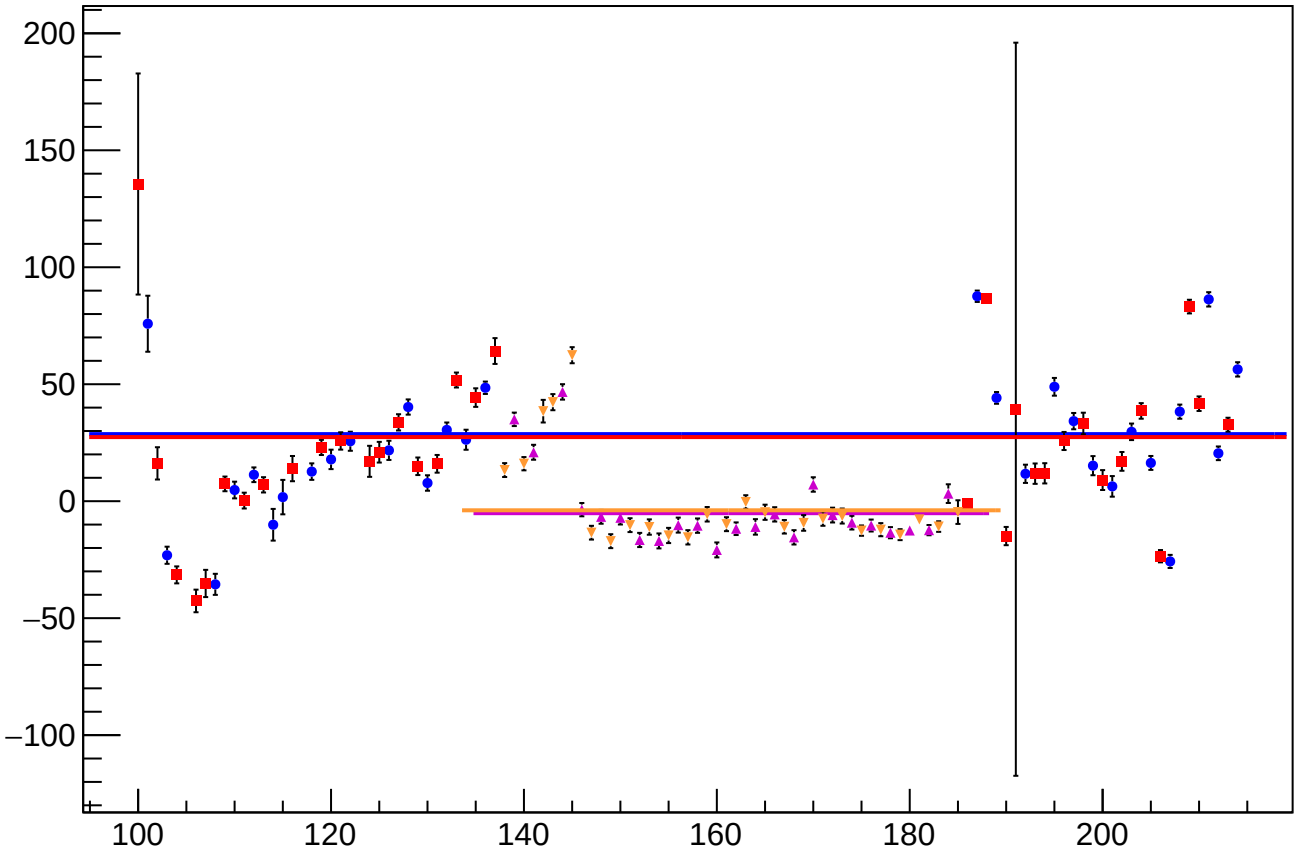
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 15.881+/-0.486 χ^2/NDF: 746.7/63

In: 11.689+/-0.391 χ^2/NDF:545.5/52

Out: 12.183+/-0.372 χ^2/NDF:672.9/58

All: 11.948+/-0.269 χ^2/NDF: 1219.2/111



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

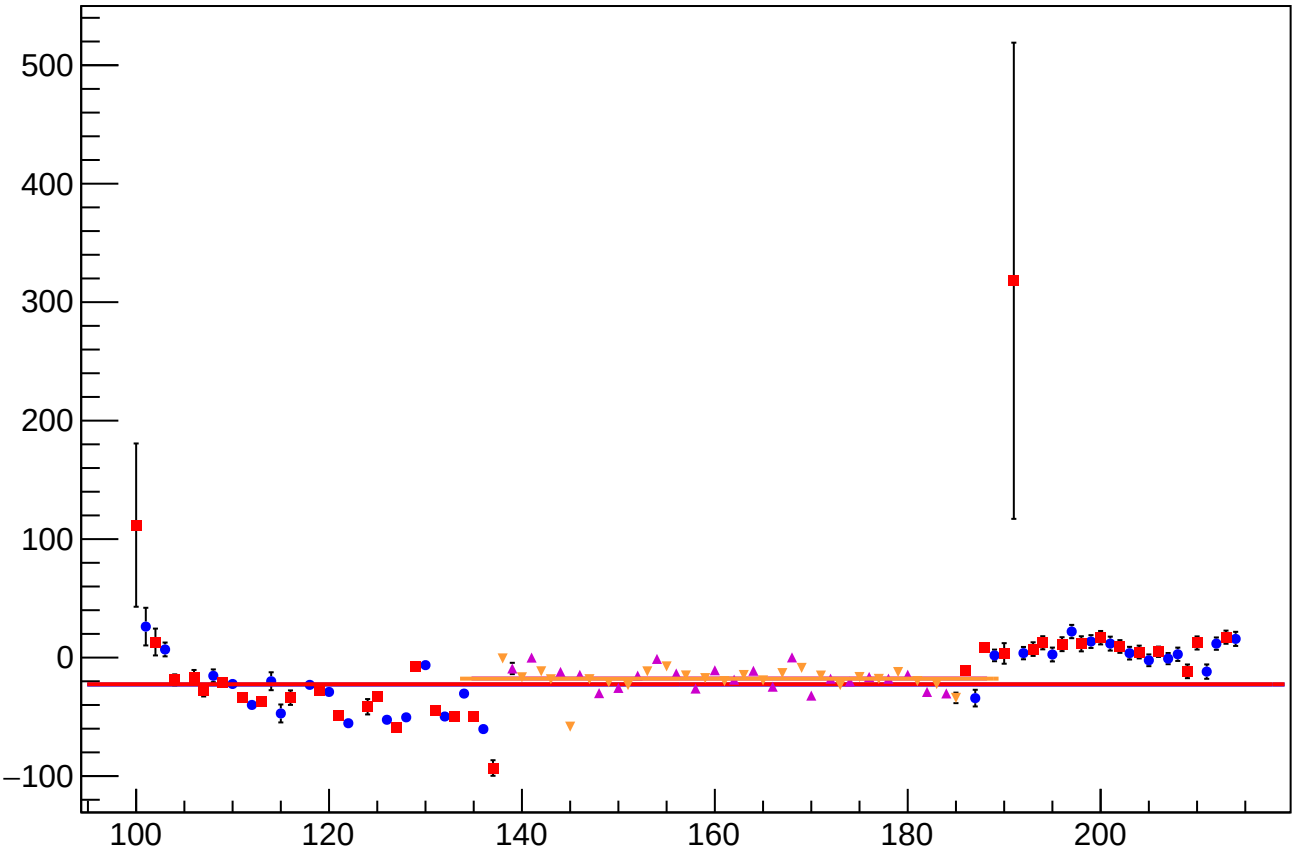
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 27.969+/-0.421 χ^2/NDF: 6323.7/63

In: 10.906+/-0.435 χ^2/NDF:4396.9/52

Out: 12.286+/-0.407 χ^2/NDF:6410.9/58

All: 11.642+/-0.297 χ^2/NDF: 10813.1/111



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

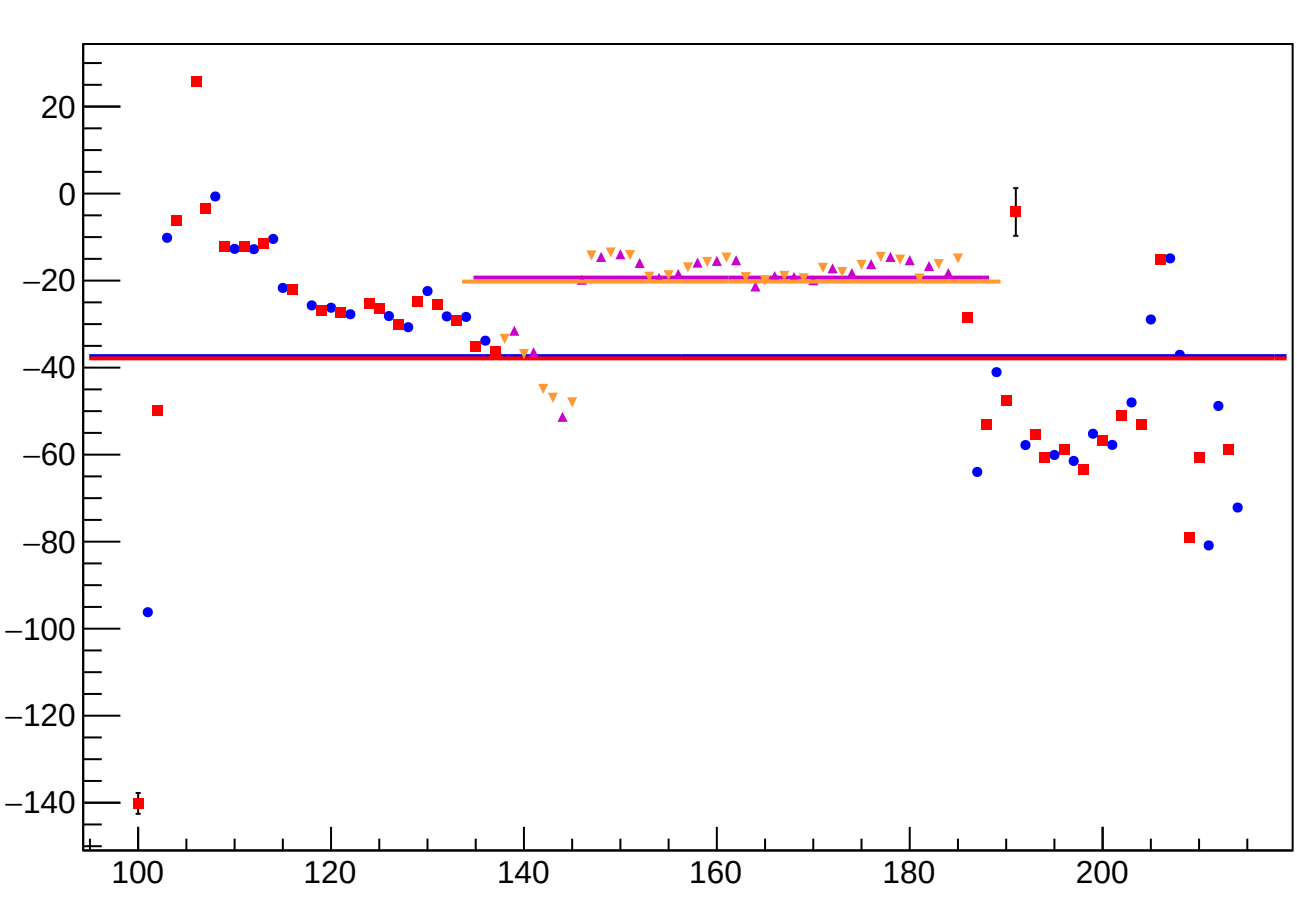
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -22.625+/-0.568 χ^2/NDF: 1880.1/63

In: -19.138+/-0.443 χ^2/NDF:1198.5/52

Out: -19.166+/-0.427 χ^2/NDF:1272.0/58

All: -19.152+/-0.307 χ^2/NDF: 2470.5/111



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

Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

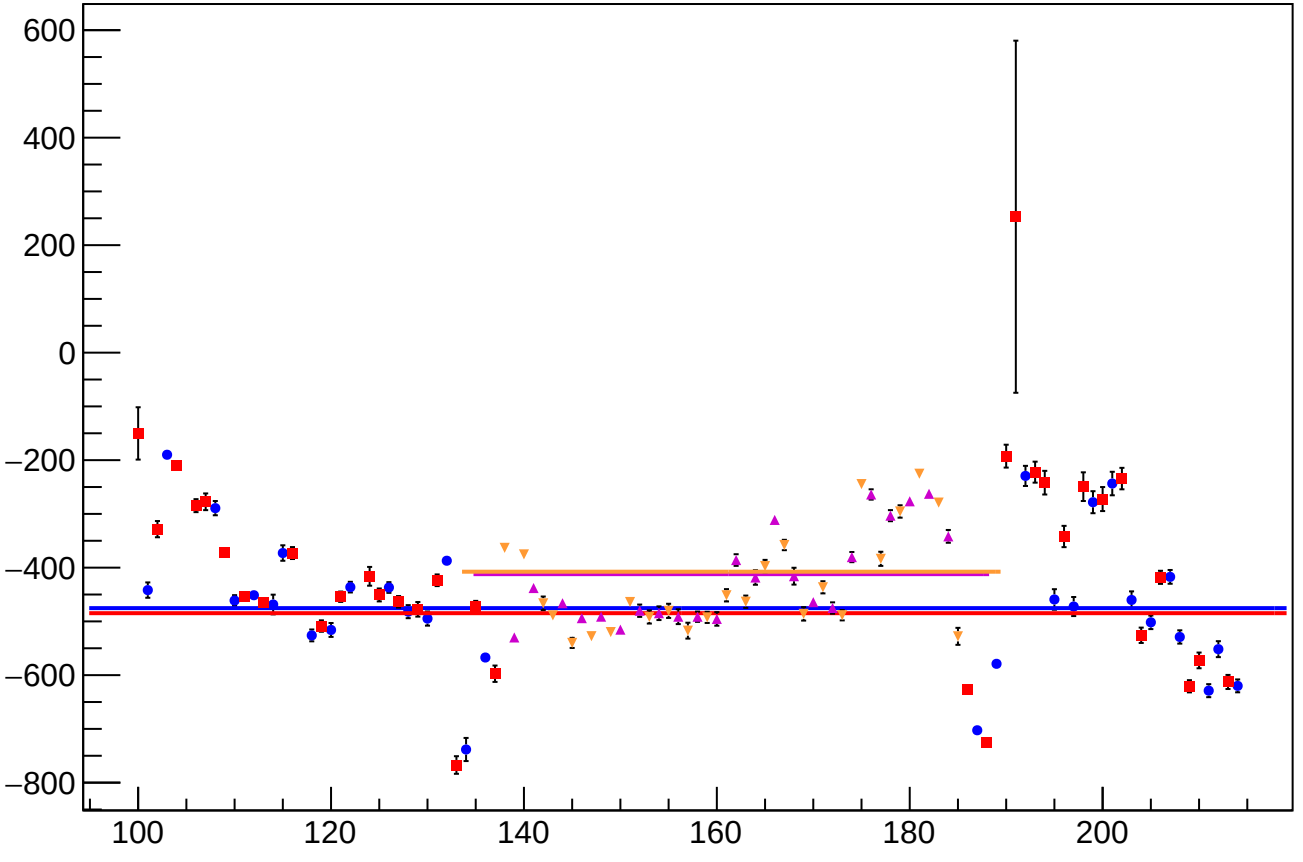
Right: -37.620+/-0.028 χ^2/NDF: 583567.2/63

In: -23.931+/-0.020 χ^2/NDF:499459.9/52

Out: -24.717+/-0.020 χ^2/NDF:630222.5/58

All: -24.331+/-0.014 χ^2/NDF: 1130460.8/111

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

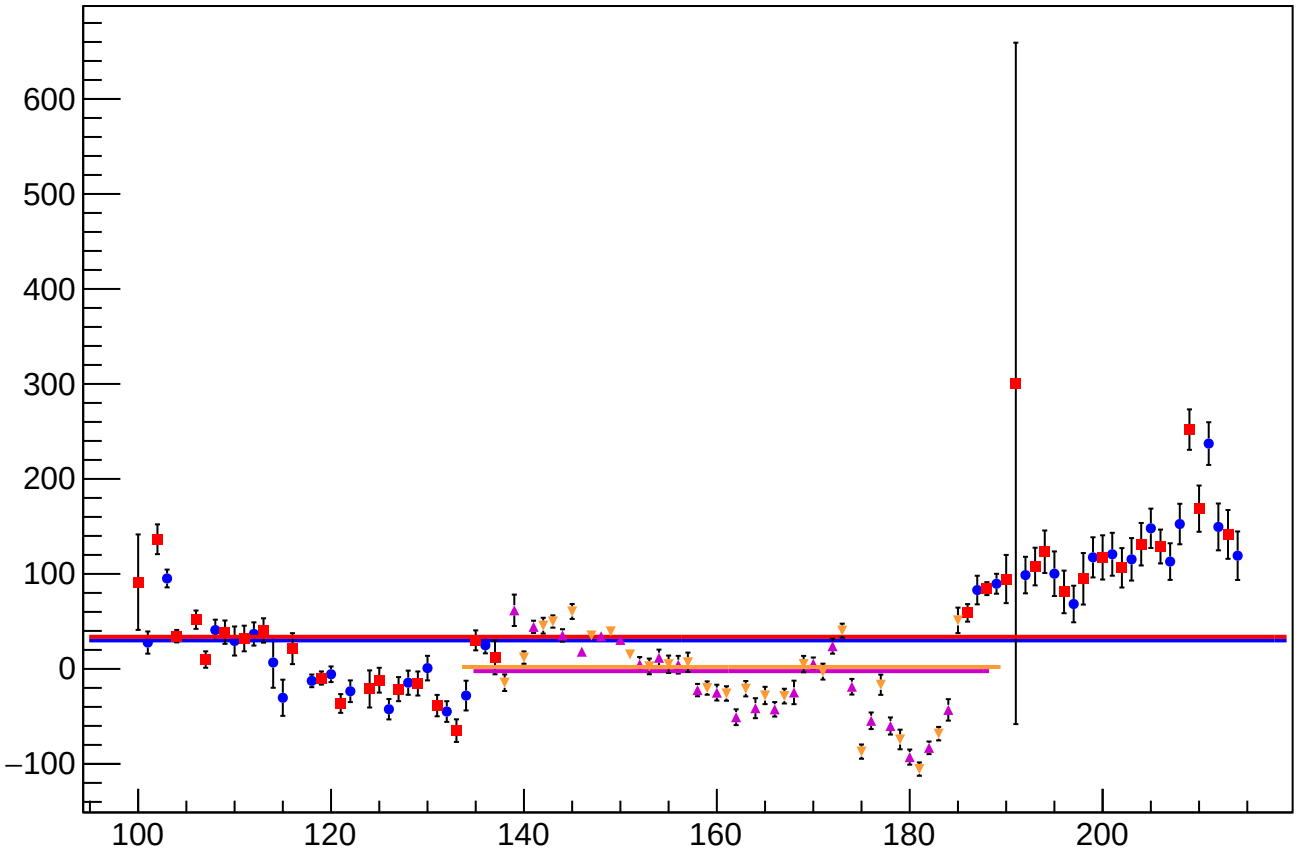
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -480.460+/-1.447 χ^2/NDF: 9635.9/63

In: -441.570+/-1.467 χ^2/NDF:5862.9/52

Out: -446.020+/-1.382 χ^2/NDF:10059.1/58

All: -443.929+/-1.006 χ^2/NDF: 15926.9/111



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

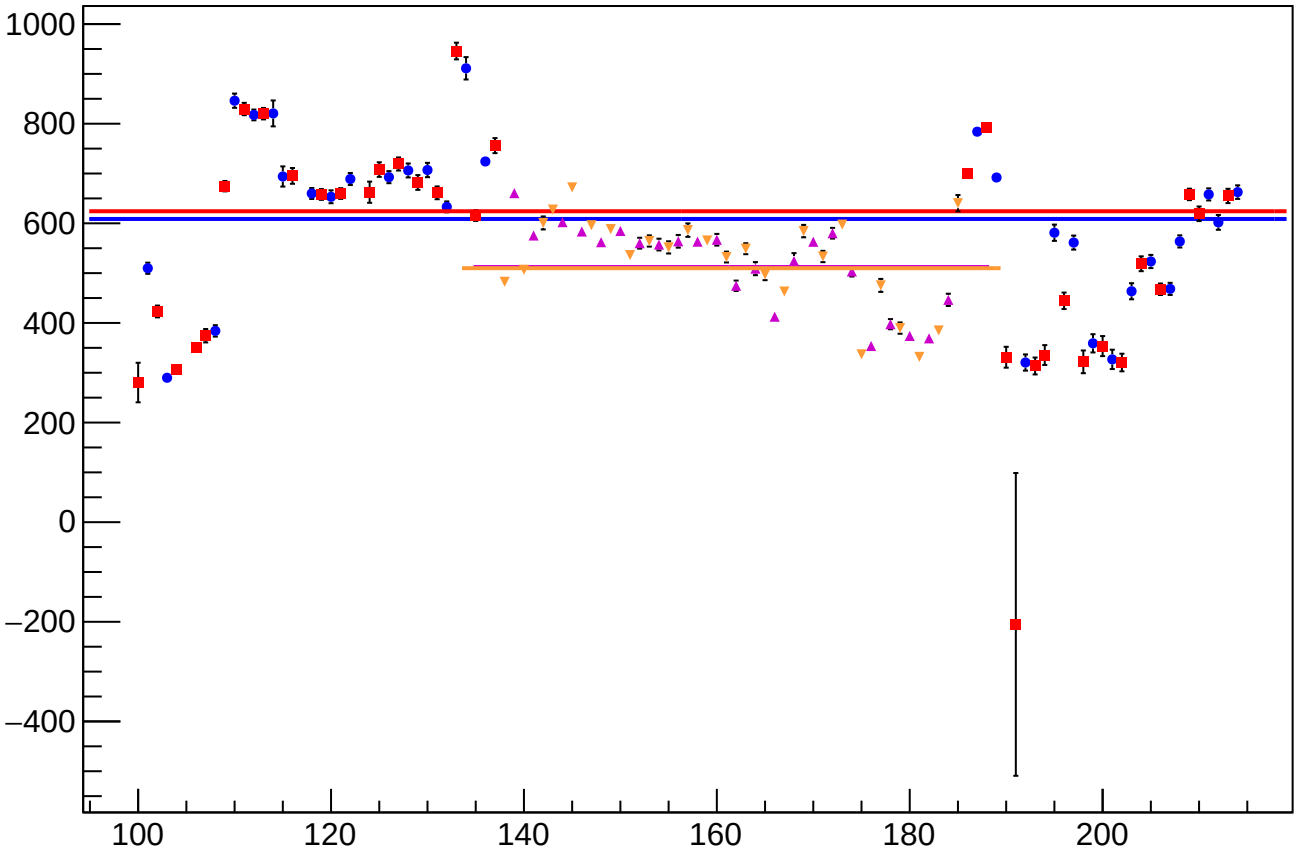
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 32.093+/-1.613 χ^2/NDF: 1237.8/63

In: 6.575+/-1.261 χ^2/NDF:1454.7/52

Out: 11.561+/-1.193 χ^2/NDF:1706.4/58

All: 9.206+/-0.867 χ^2/NDF: 3169.3/111



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

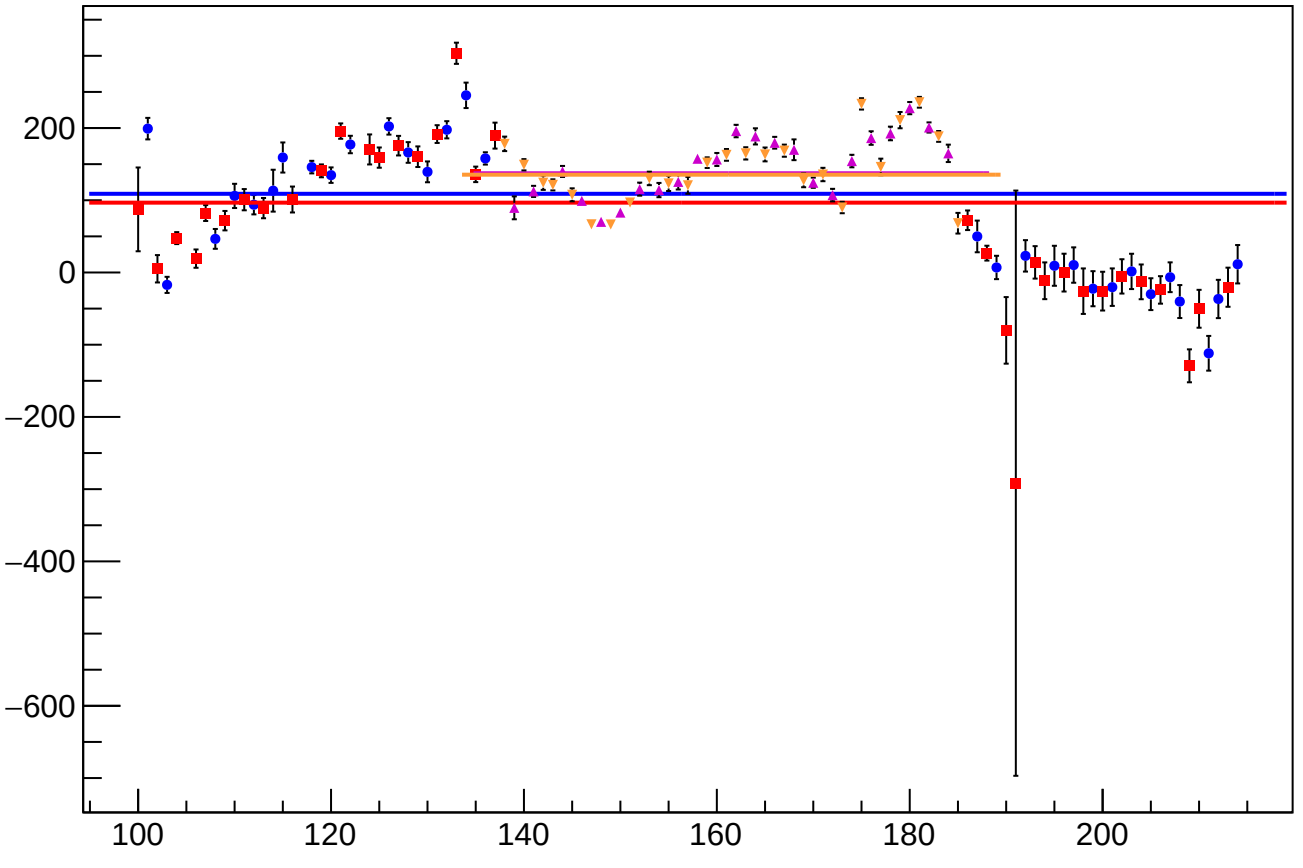
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 617.481+/-1.439 χ^2/NDF: 14409.6/63

In: 556.059+/-1.466 χ^2/NDF:8721.8/52

Out: 567.620+/-1.362 χ^2/NDF:13244.1/58

All: 562.263+/-0.998 χ^2/NDF: 21999.3/111



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

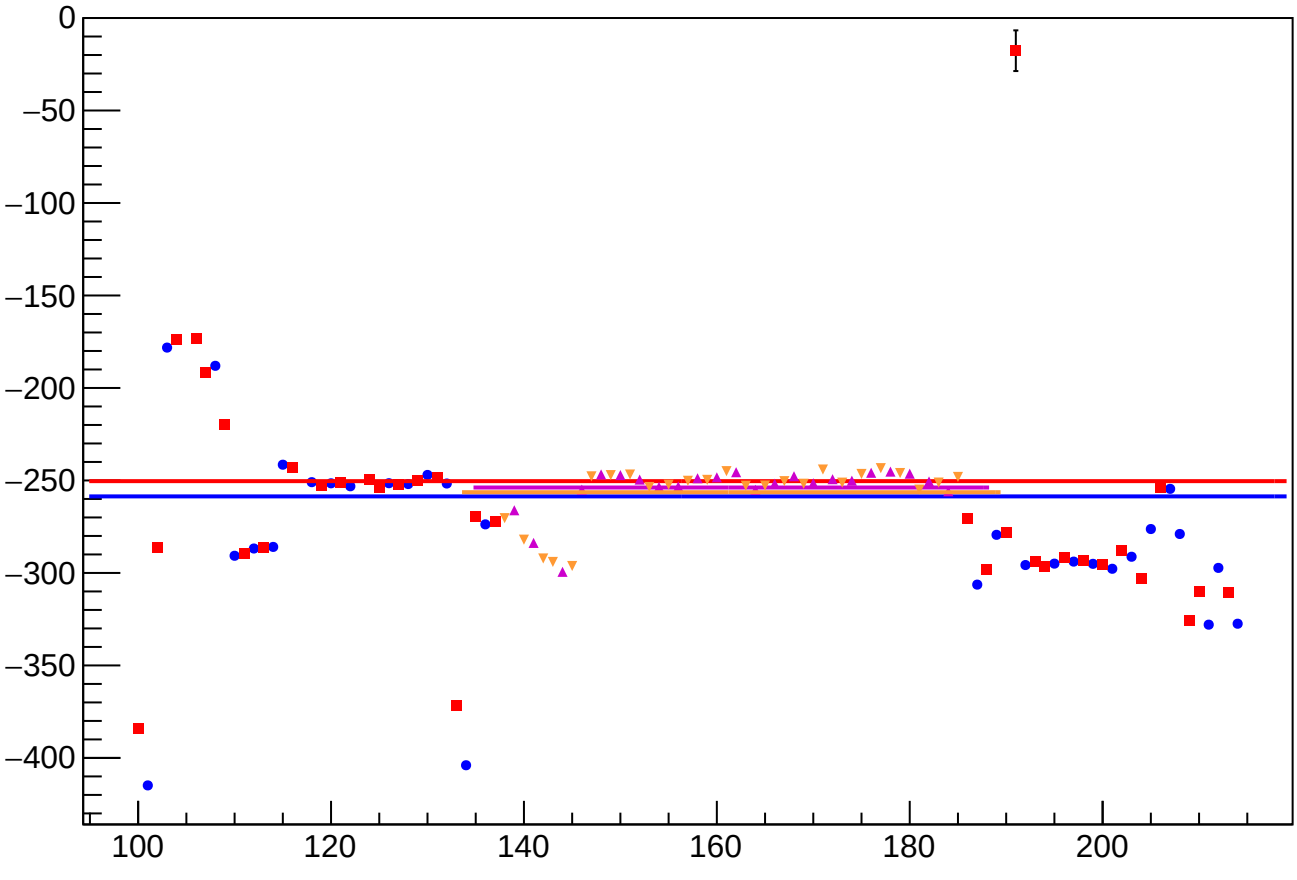
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 102.393+/-1.911 χ^2/NDF: 1872.7/63

In: 129.708+/-1.455 χ^2/NDF:1672.6/52

Out: 124.382+/-1.394 χ^2/NDF:2051.3/58

All: 126.932+/-1.007 χ^2/NDF: 3730.8/111



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

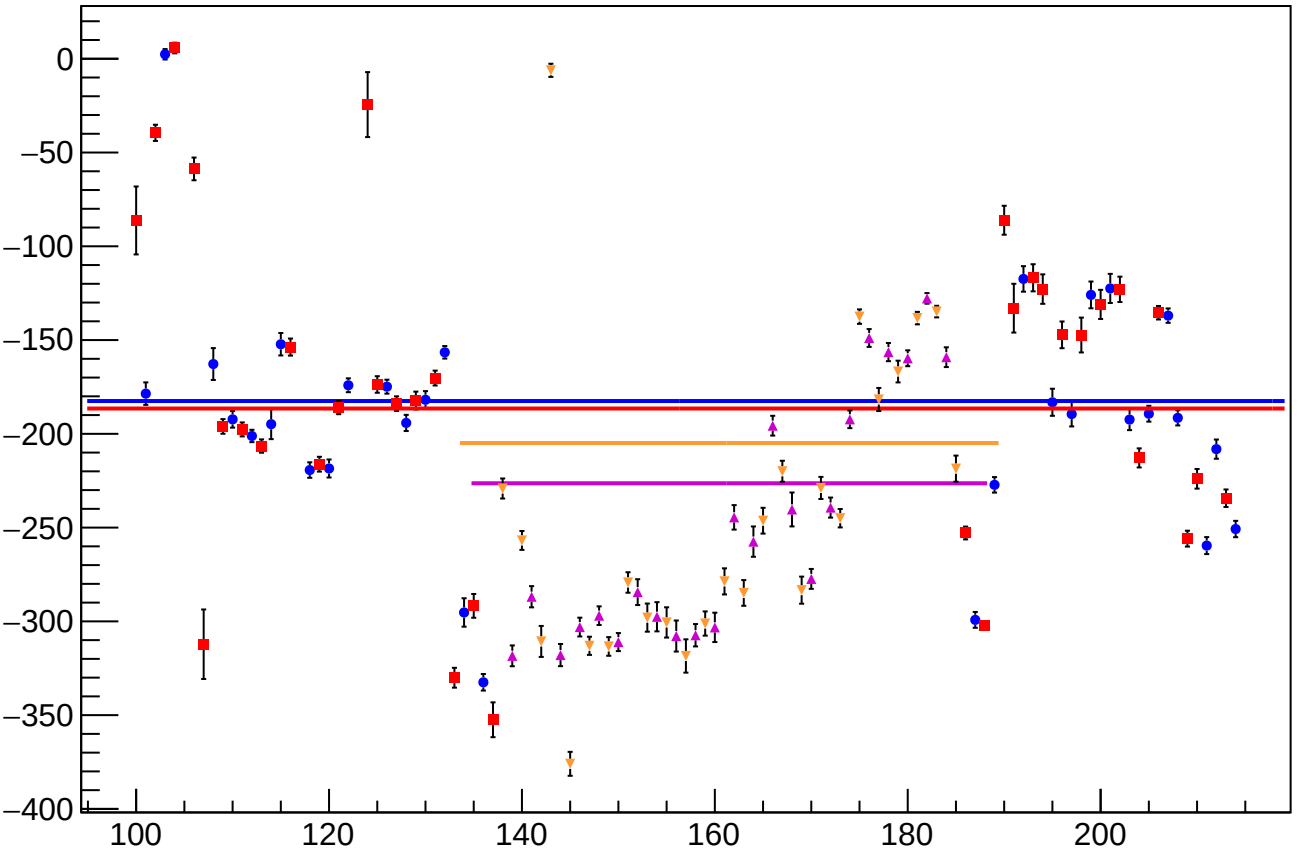
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -254.337+/-0.093 χ^2/NDF: 366097.3/63

In: -255.032+/-0.067 χ^2/NDF:230893.9/52

Out: -254.770+/-0.066 χ^2/NDF:199367.9/58

All: -254.899+/-0.047 χ^2/NDF: 430269.5/111



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

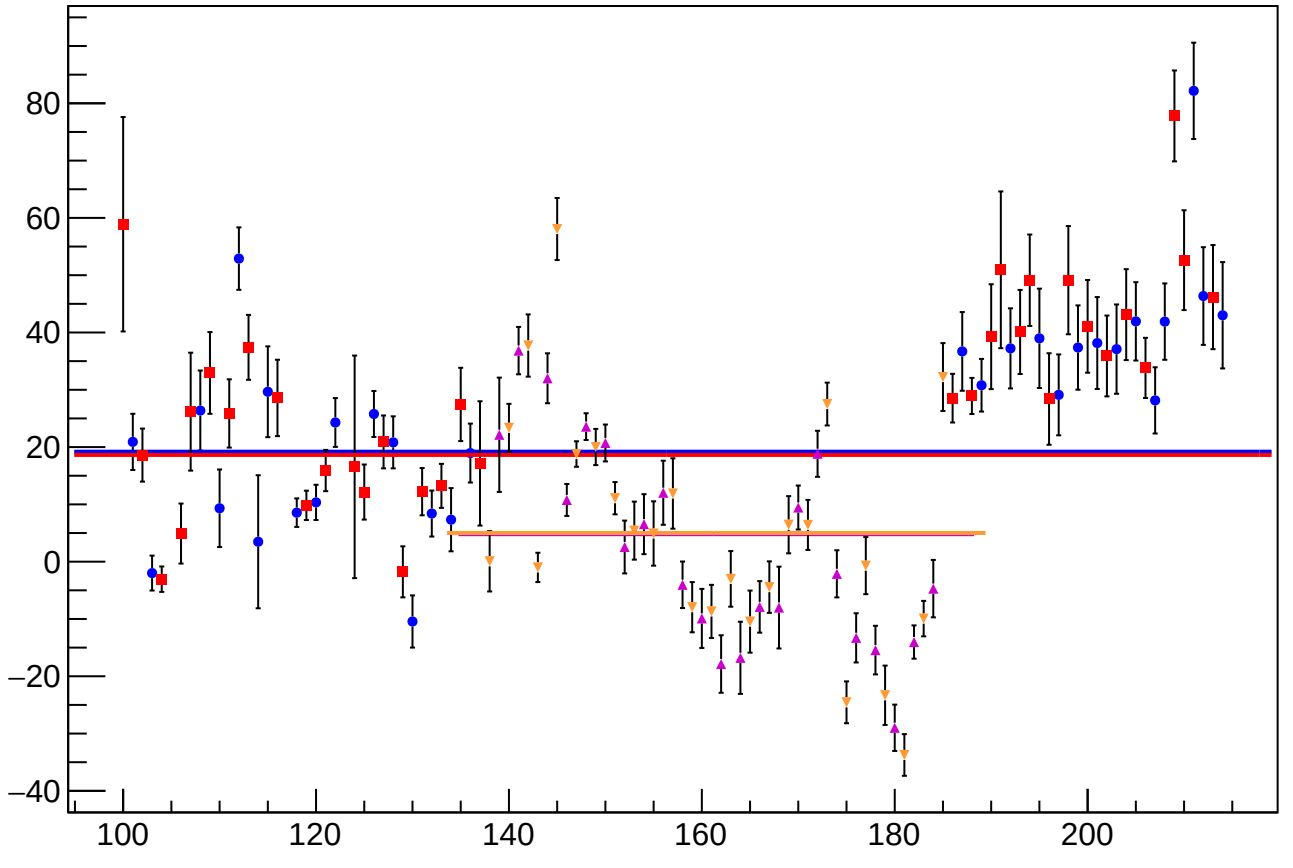
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -184.602+/-0.576 χ^2/NDF: 19924.3/63

In: -198.449+/-0.666 χ^2/NDF:13110.5/52

Out: -193.185+/-0.634 χ^2/NDF:20044.4/58

All: -195.688+/-0.459 χ^2/NDF: 33187.7/111



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

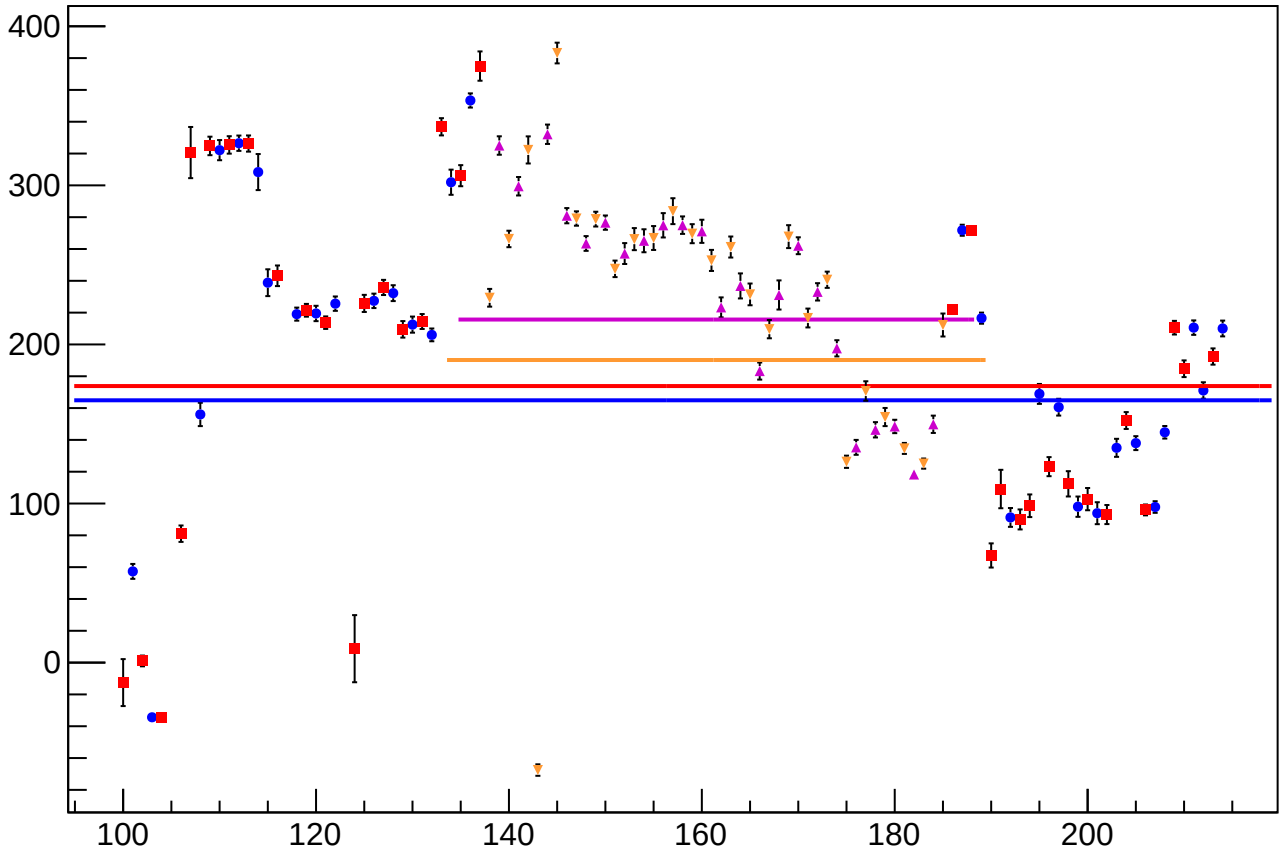
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 18.894+/-0.640 χ^2/NDF: 661.9/63

In: 11.299+/-0.627 χ^2/NDF:877.1/52

Out: 11.124+/-0.589 χ^2/NDF:1022.5/58

All: 11.206+/-0.429 χ^2/NDF: 1899.6/111



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

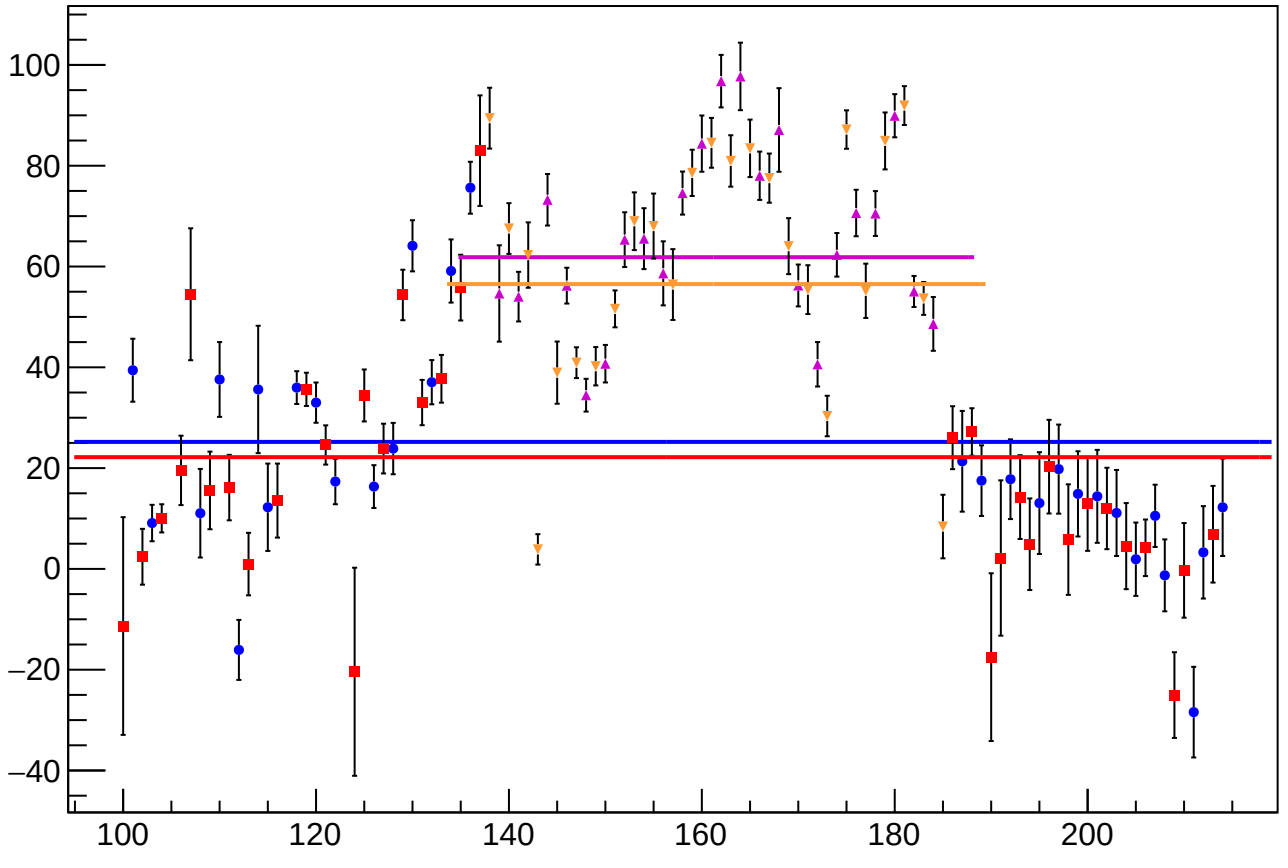
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 169.716+/-0.570 χ^2/NDF: 37645.4/63

In: 183.594+/-0.667 χ^2/NDF:21354.9/52

Out: 179.624+/-0.624 χ^2/NDF:31005.4/58

All: 181.477+/-0.456 χ^2/NDF: 52379.2/111



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

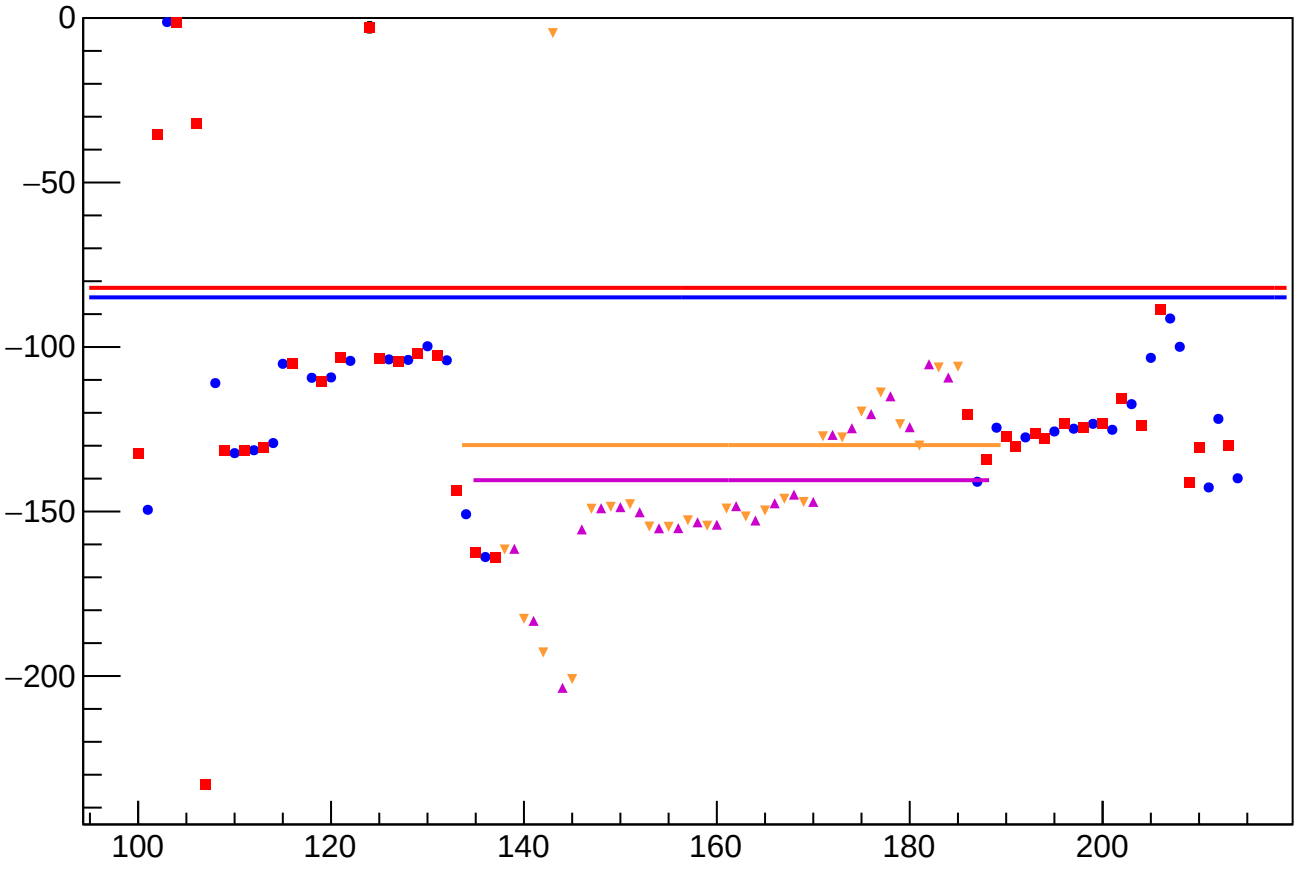
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 23.628+/-0.755 χ^2/NDF: 650.4/63

In: 45.795+/-0.721 χ^2/NDF:1334.4/52

Out: 41.747+/-0.686 χ^2/NDF:1681.7/58

All: 43.672+/-0.497 χ^2/NDF: 3032.7/111



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

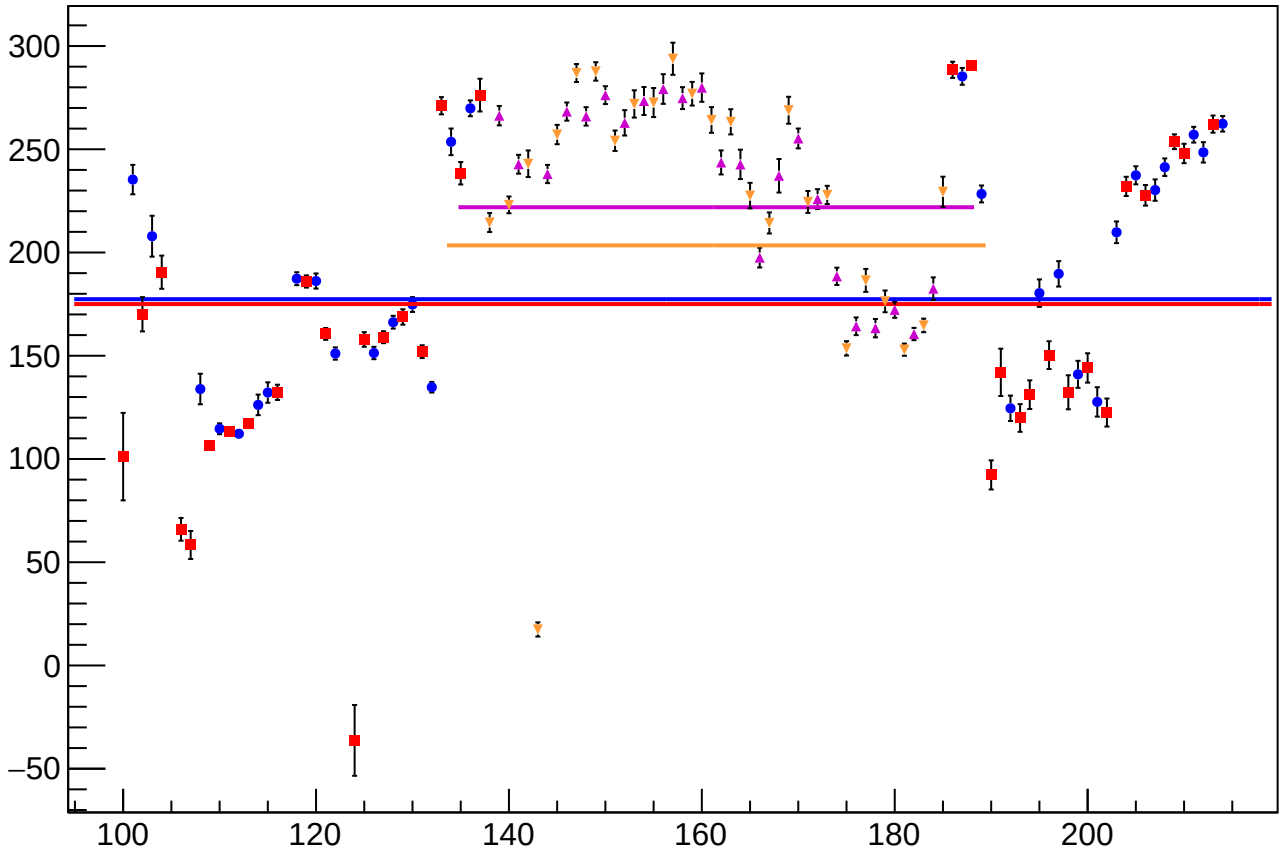
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -83.416+/-0.035 χ^2/NDF: 2644635.6/63

In: -116.605+/-0.033 χ^2/NDF:2290333.5/52

Out: -109.400+/-0.032 χ^2/NDF:2876843.3/58

All: -112.884+/-0.023 χ^2/NDF: 5191823.6/11



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

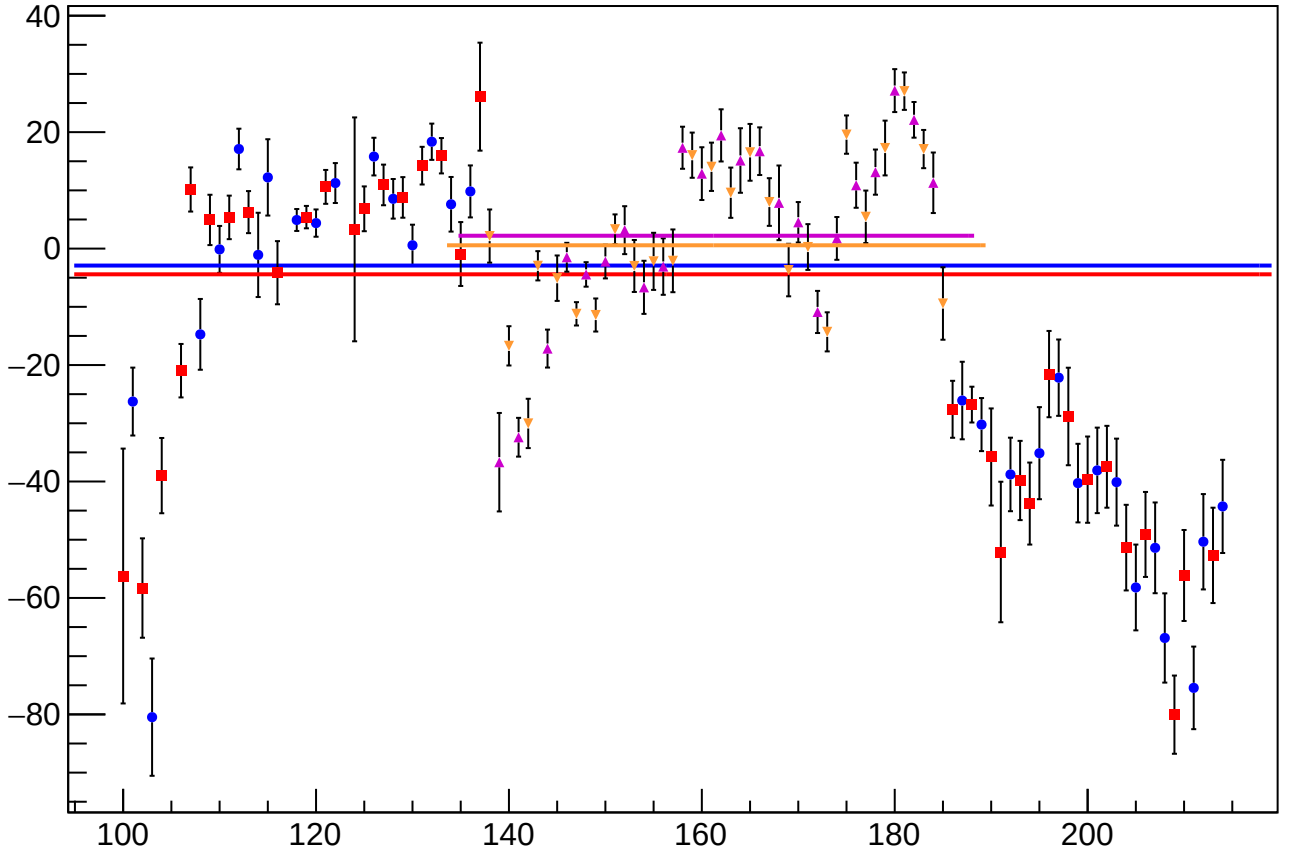
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 176.138+/-0.495 χ^2/NDF: 15436.2/63

In: 192.569+/-0.585 χ^2/NDF:9004.9/52

Out: 184.630+/-0.554 χ^2/NDF:15792.7/58

All: 188.380+/-0.402 χ^2/NDF: 24894.6/111



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

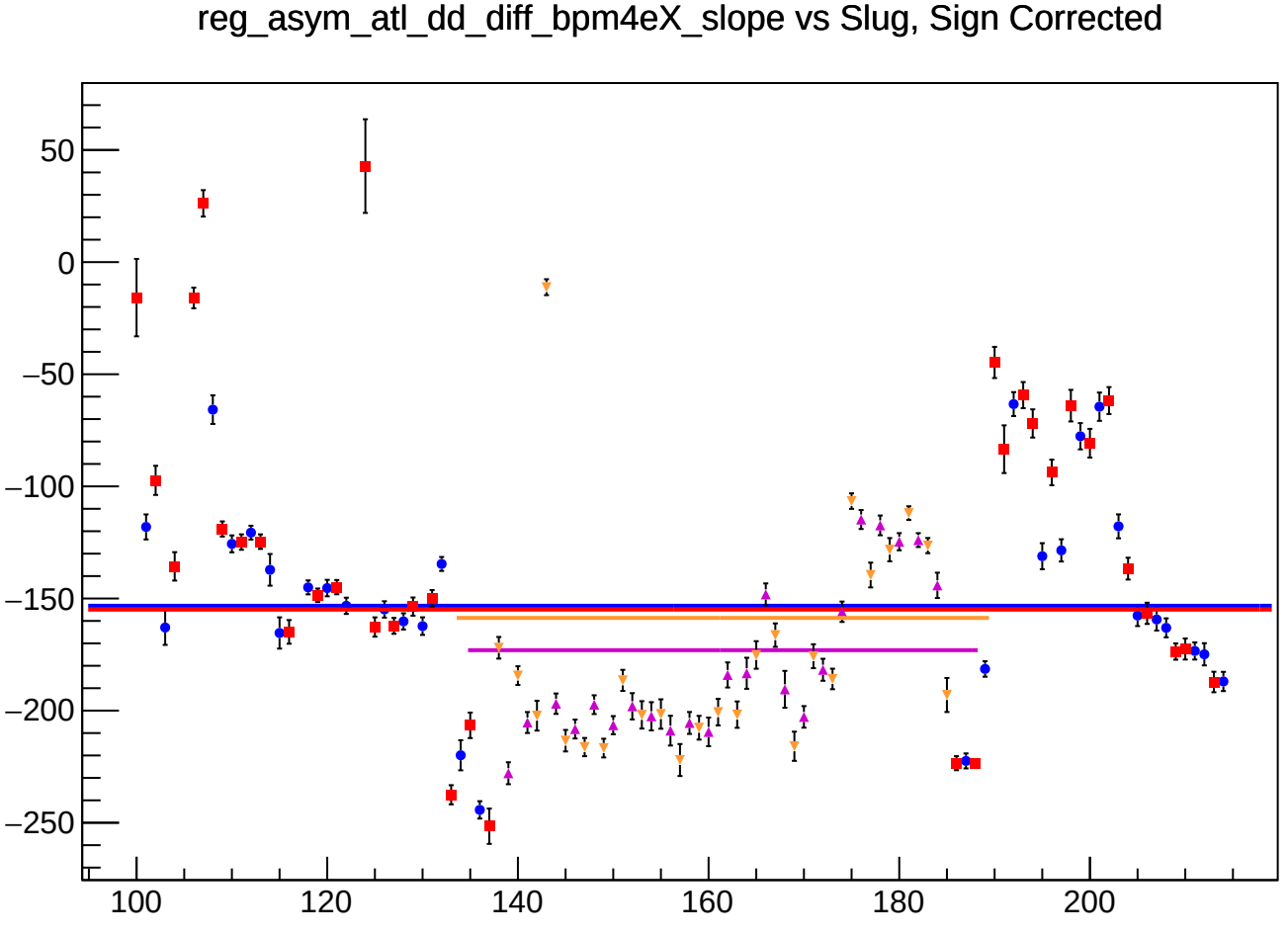
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -3.683+/-0.559 χ^2/NDF: 1595.2/63

In: -0.218+/-0.551 χ^2/NDF:1160.7/52

Out: -1.704+/-0.528 χ^2/NDF:1179.9/58

All: -0.993+/-0.381 χ^2/NDF: 2344.5/111



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

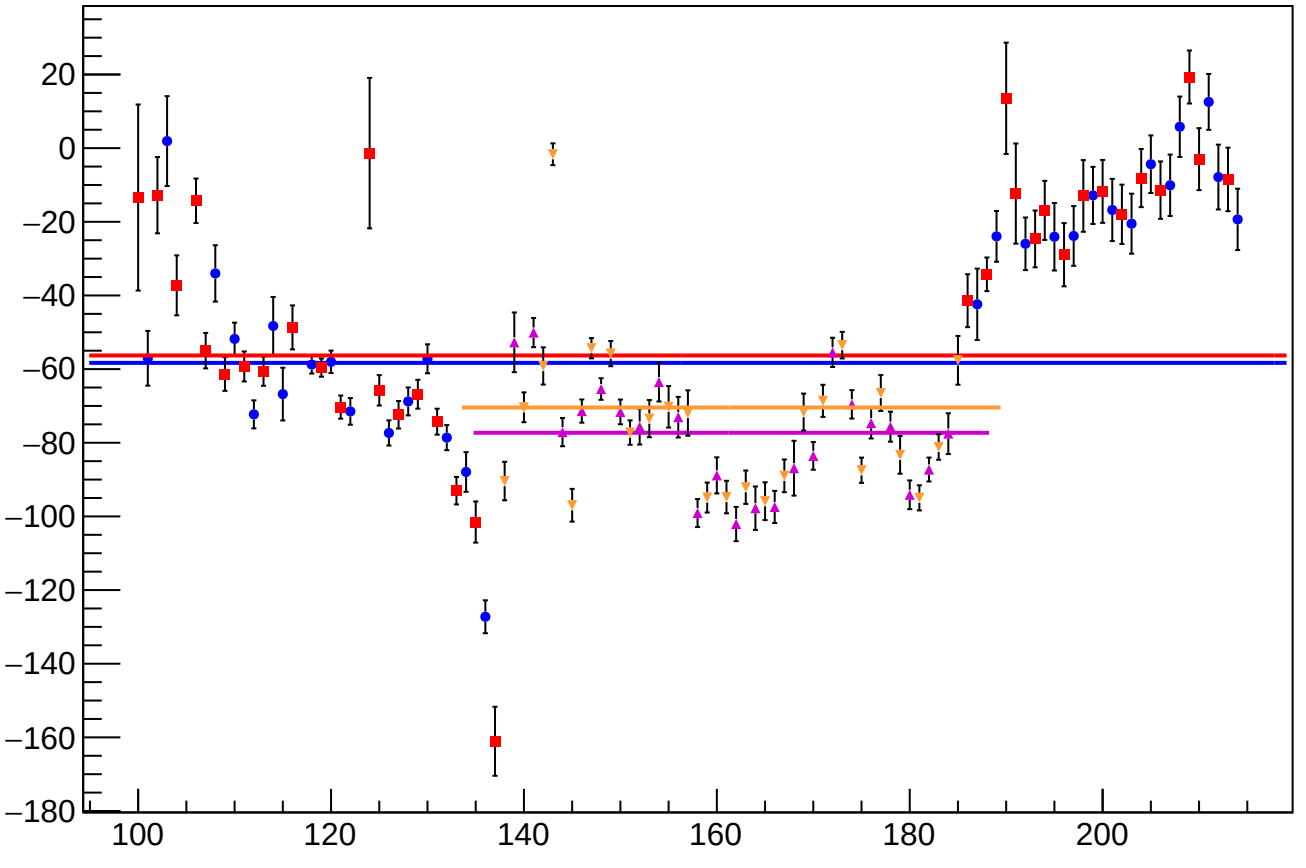
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -154.164+/-0.534 χ^2/NDF: 8964.9/63

In: -160.831+/-0.616 χ^2/NDF:4093.0/52

Out: -156.331+/-0.579 χ^2/NDF:10014.5/58

All: -158.438+/-0.422 χ^2/NDF: 14135.8/111



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

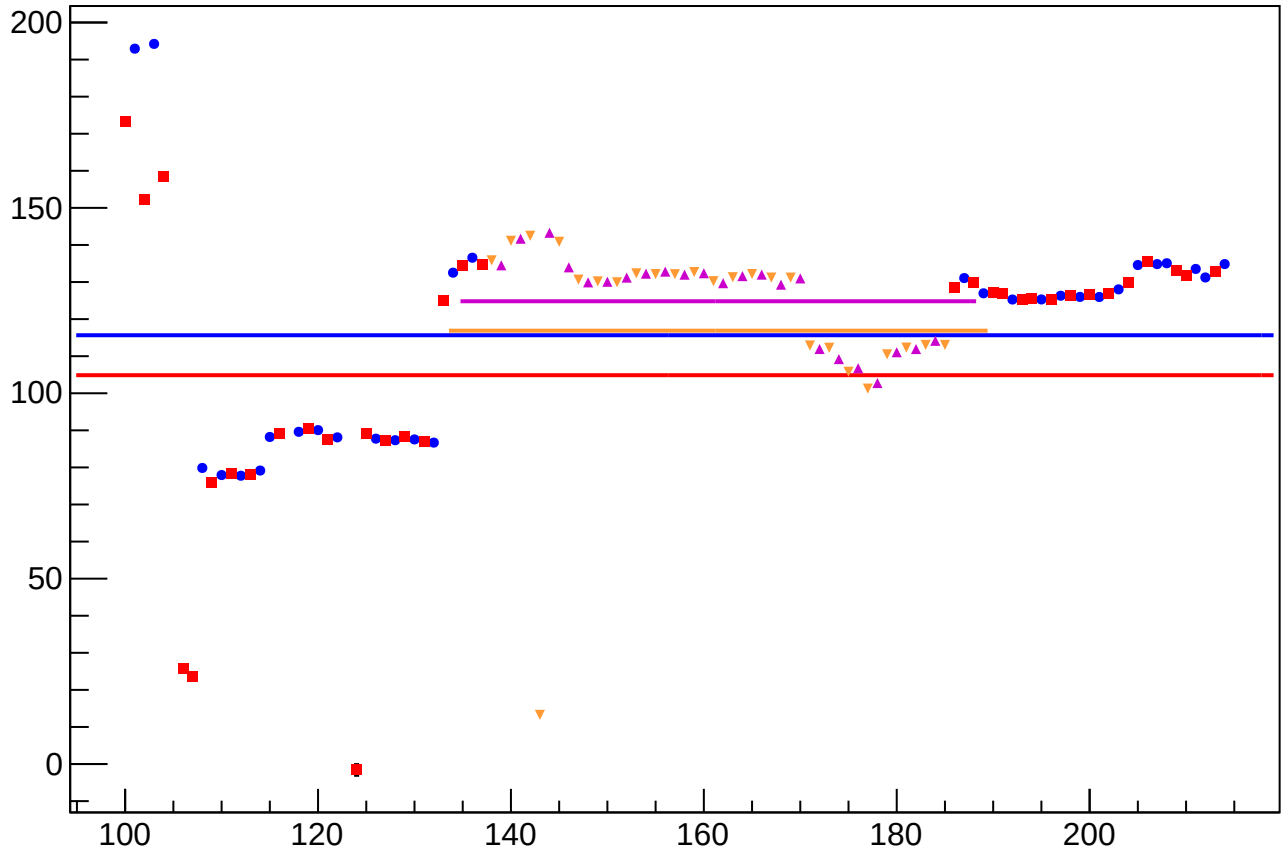
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -57.284+/-0.653 χ^2/NDF: 1738.2/63

In: -68.496+/-0.634 χ^2/NDF:1329.5/52

Out: -64.120+/-0.611 χ^2/NDF:1917.1/58

All: -66.226+/-0.440 χ^2/NDF: 3271.2/111



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

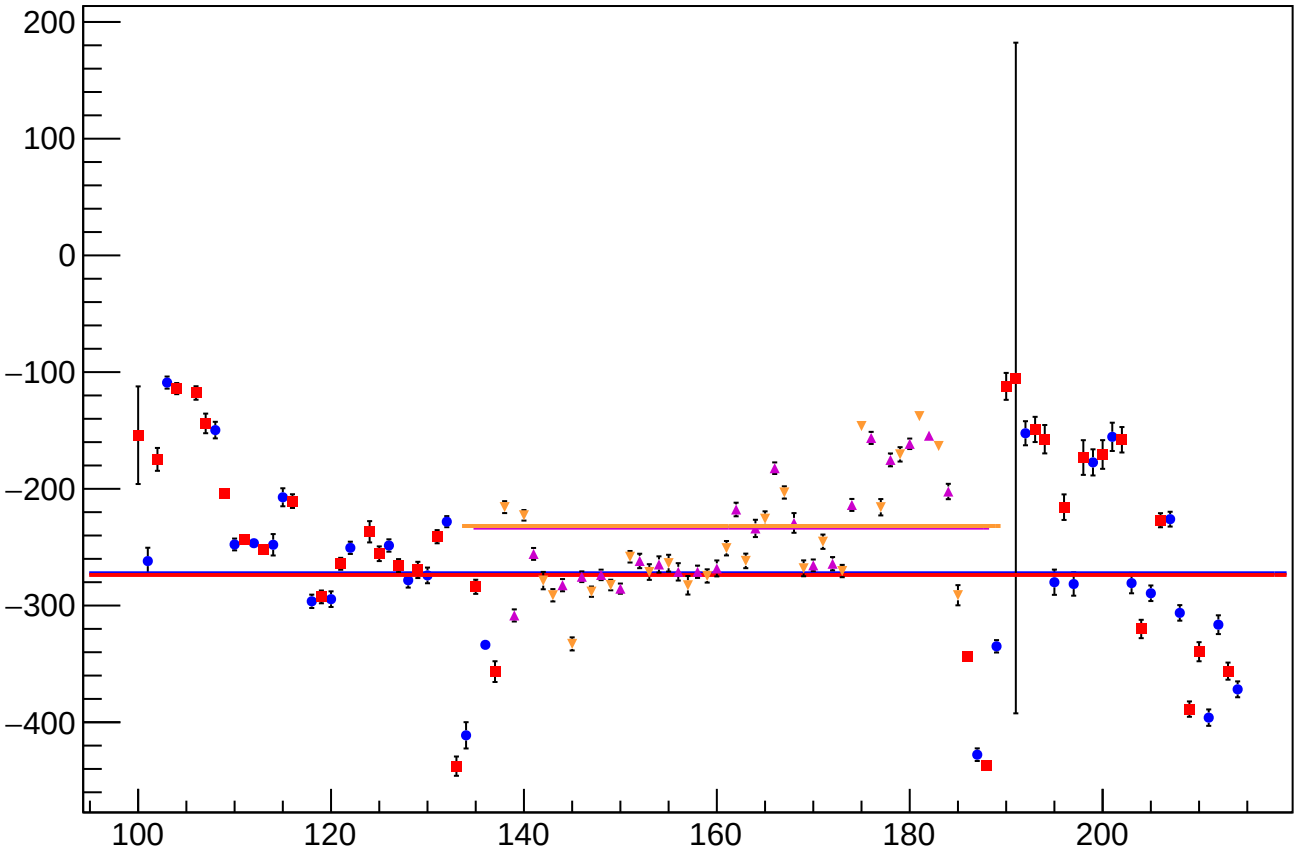
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 109.908+/-0.036 χ^2/NDF: 847154.7/63

In: 121.577+/-0.032 χ^2/NDF:394888.0/52

Out: 112.444+/-0.030 χ^2/NDF:1197503.9/58

All: 116.808+/-0.022 χ^2/NDF: 1635956.2/11



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

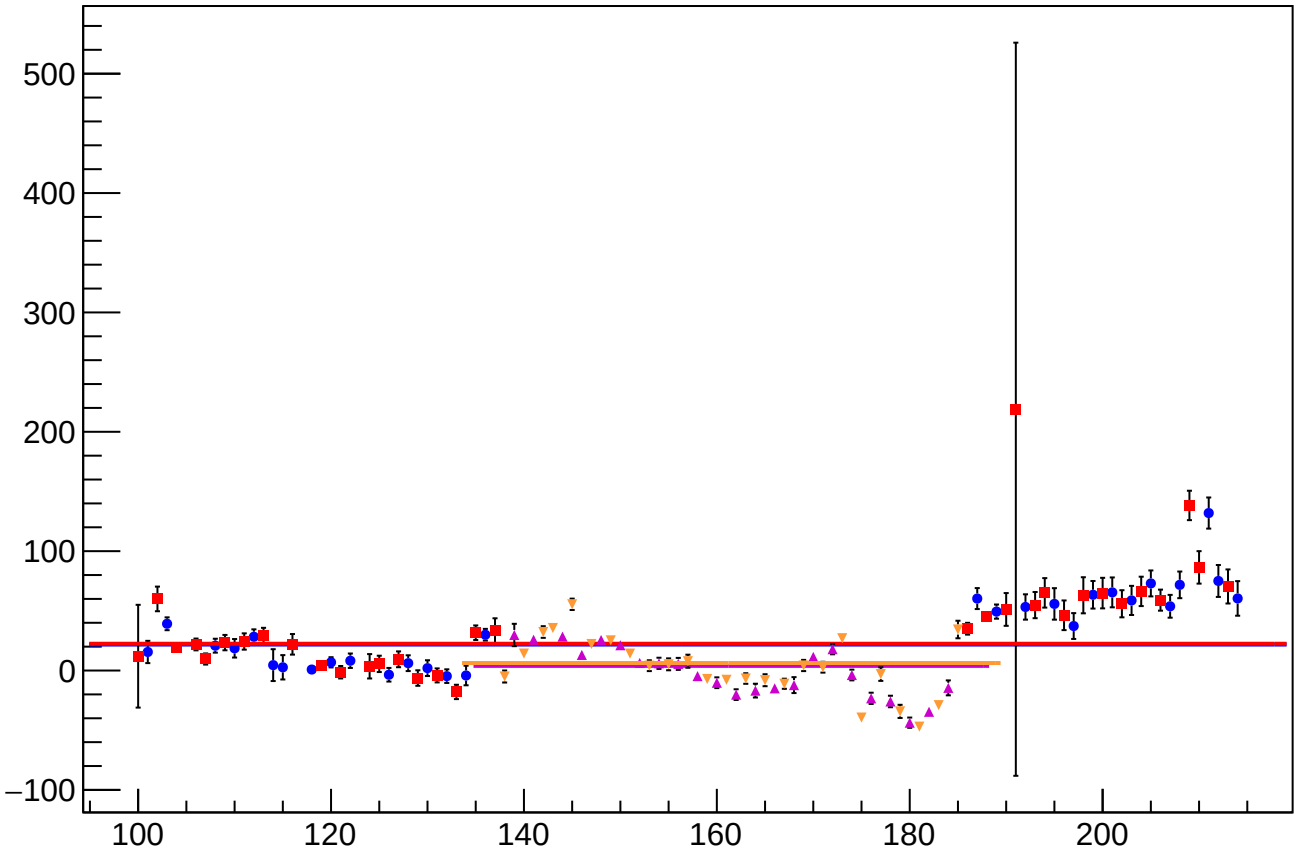
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -273.149+/-0.783 χ^2/NDF: 11902.8/63

In: -251.820+/-0.803 χ^2/NDF:6523.9/52

Out: -253.261+/-0.756 χ^2/NDF:11483.3/58

All: -252.585+/-0.550 χ^2/NDF: 18008.9/111



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

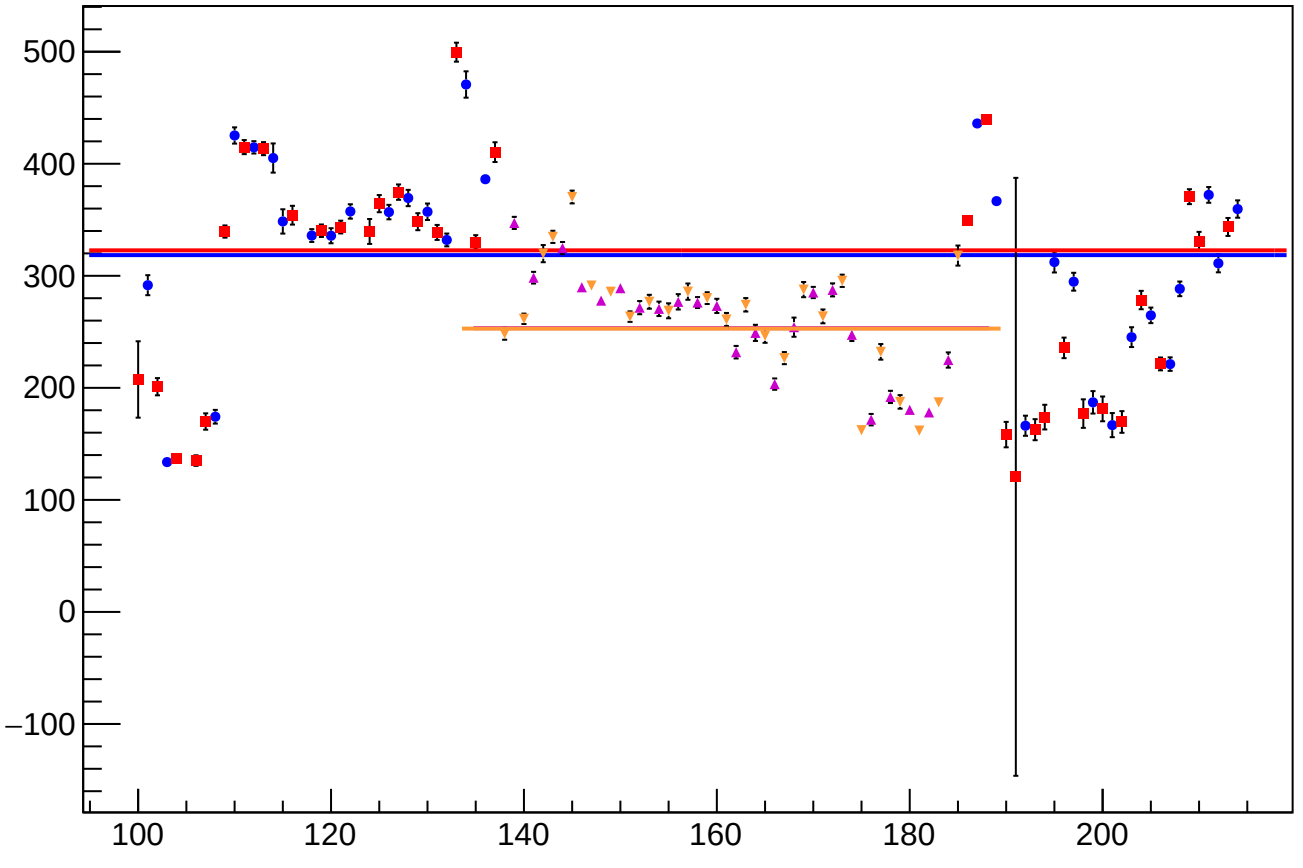
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 22.139+/-0.874 χ^2/NDF: 799.7/63

In: 8.972+/-0.693 χ^2/NDF:1165.8/52

Out: 11.285+/-0.656 χ^2/NDF:1420.3/58

All: 10.192+/-0.476 χ^2/NDF: 2592.0/111



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

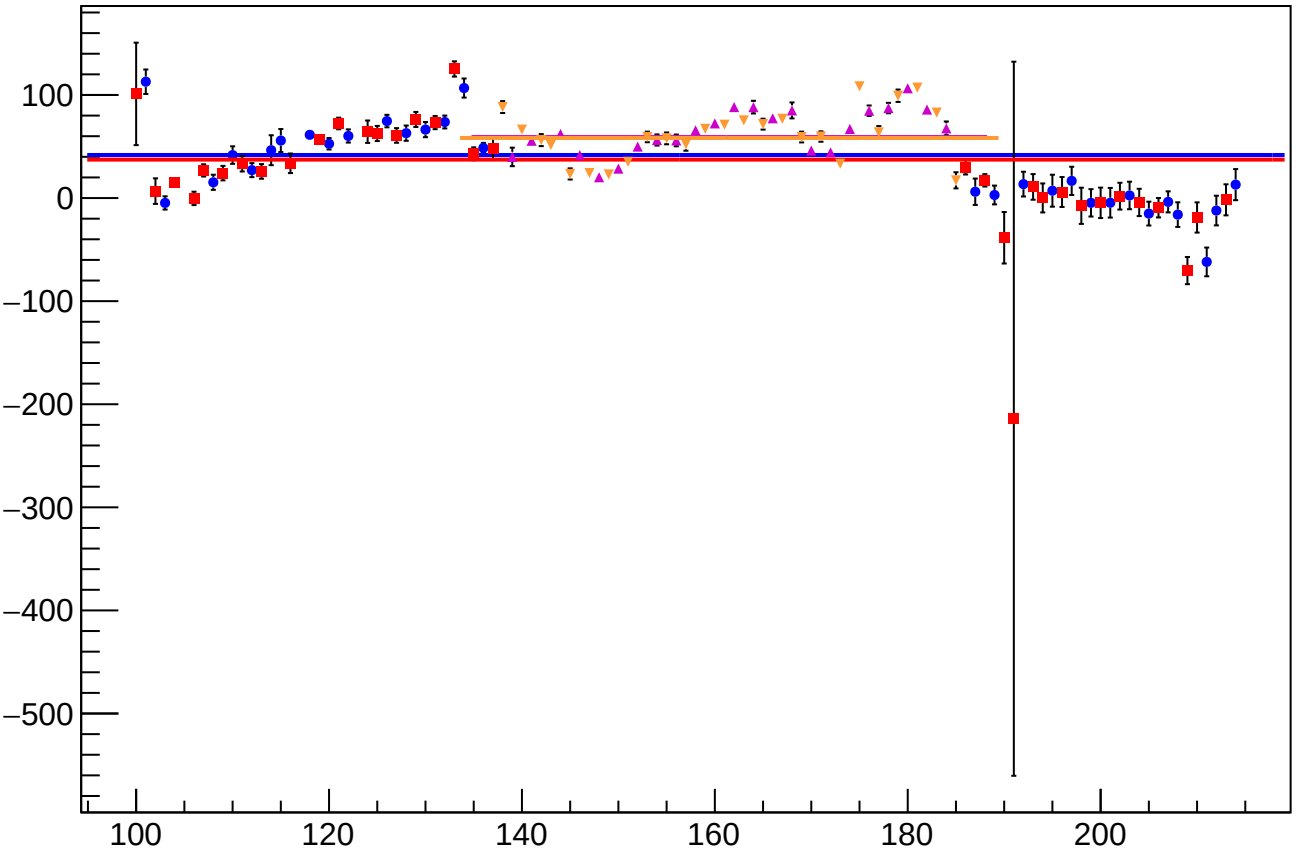
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 320.867+/-0.792 χ^2/NDF: 15934.8/63

In: 282.812+/-0.808 χ^2/NDF:9446.5/52

Out: 288.350+/-0.751 χ^2/NDF:14893.9/58

All: 285.785+/-0.550 χ^2/NDF: 24365.6/111



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

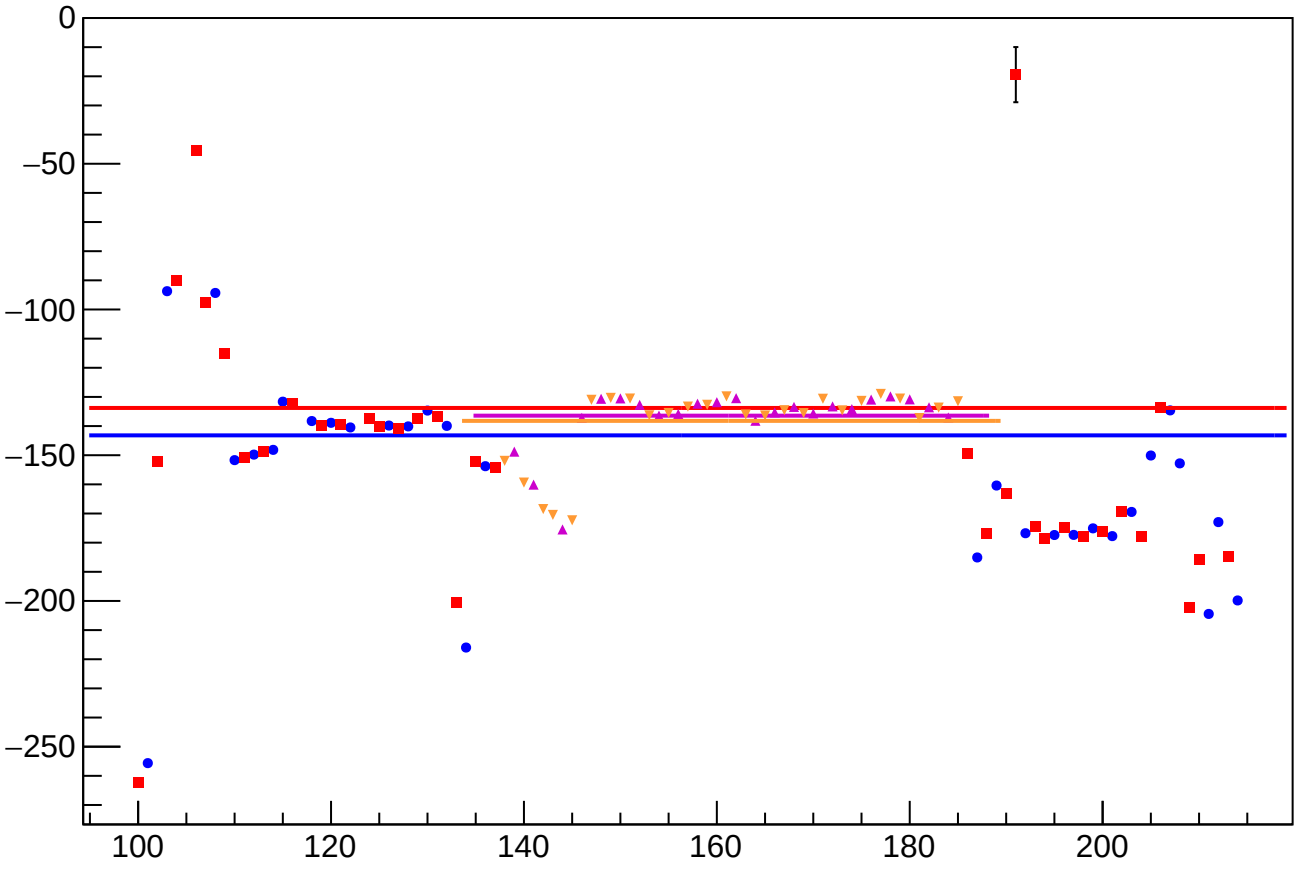
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 39.383+/-1.032 χ^2/NDF: 1023.7/63

In: 54.338+/-0.798 χ^2/NDF:1203.6/52

Out: 52.107+/-0.765 χ^2/NDF:1549.6/58

All: 53.176+/-0.552 χ^2/NDF: 2757.3/111



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

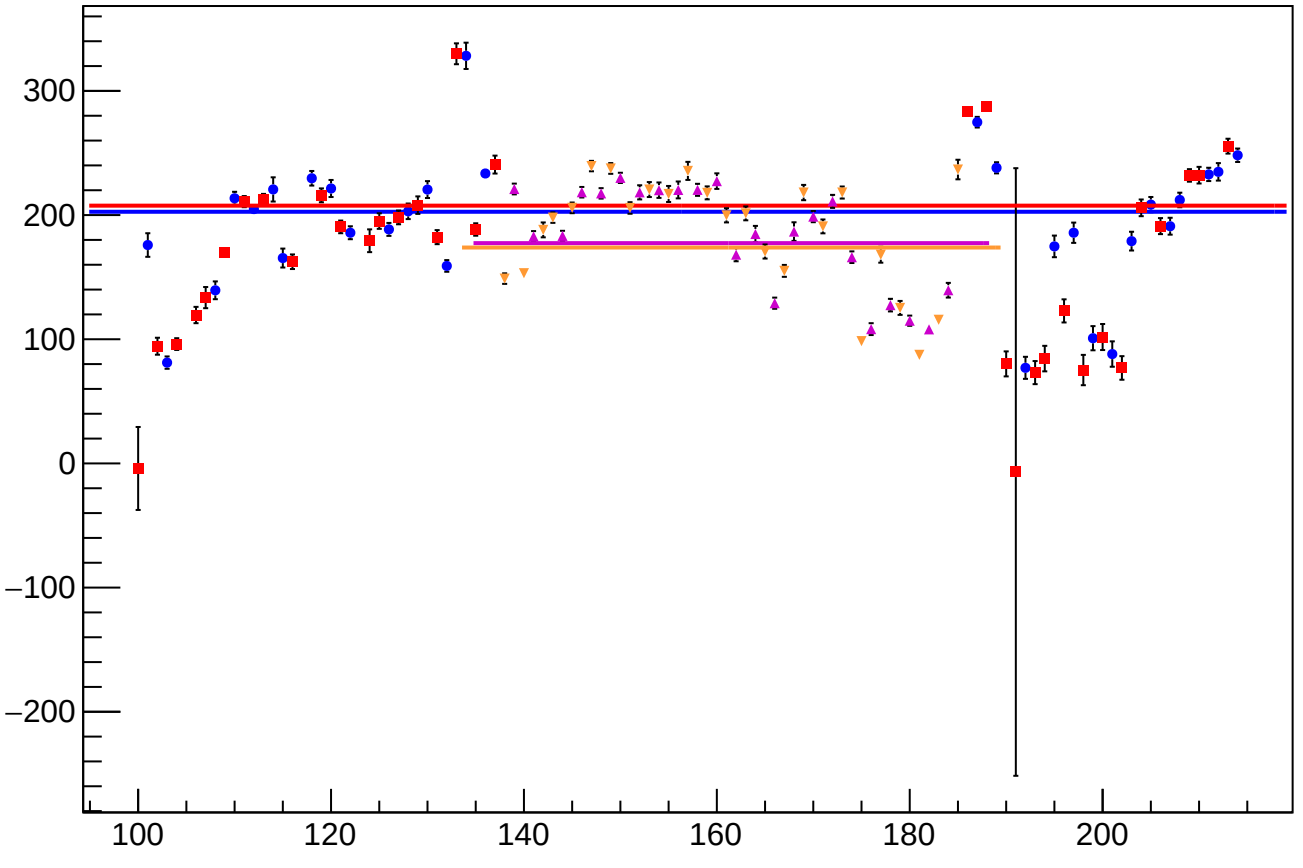
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -138.235+/-0.051 χ^2/NDF: 616696.9/63

In: -138.123+/-0.037 χ^2/NDF:307675.9/52

Out: -137.030+/-0.036 χ^2/NDF:441310.8/58

All: -137.566+/-0.026 χ^2/NDF: 749429.5/111



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

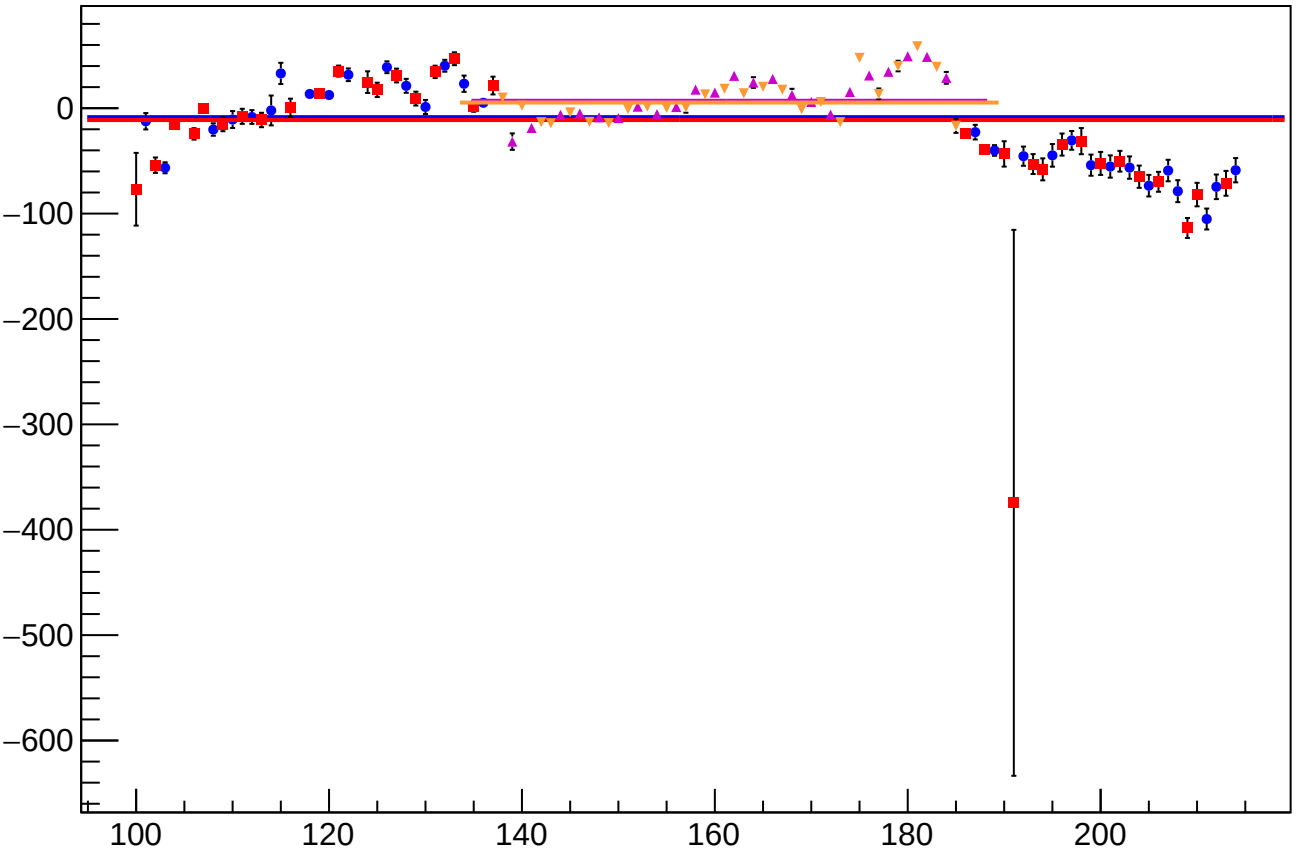
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 205.370+/-0.727 χ^2/NDF: 6324.2/63

In: 188.986+/-0.733 χ^2/NDF:4264.1/52

Out: 190.397+/-0.687 χ^2/NDF:7537.2/58

All: 189.737+/-0.501 χ^2/NDF: 11803.2/111



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

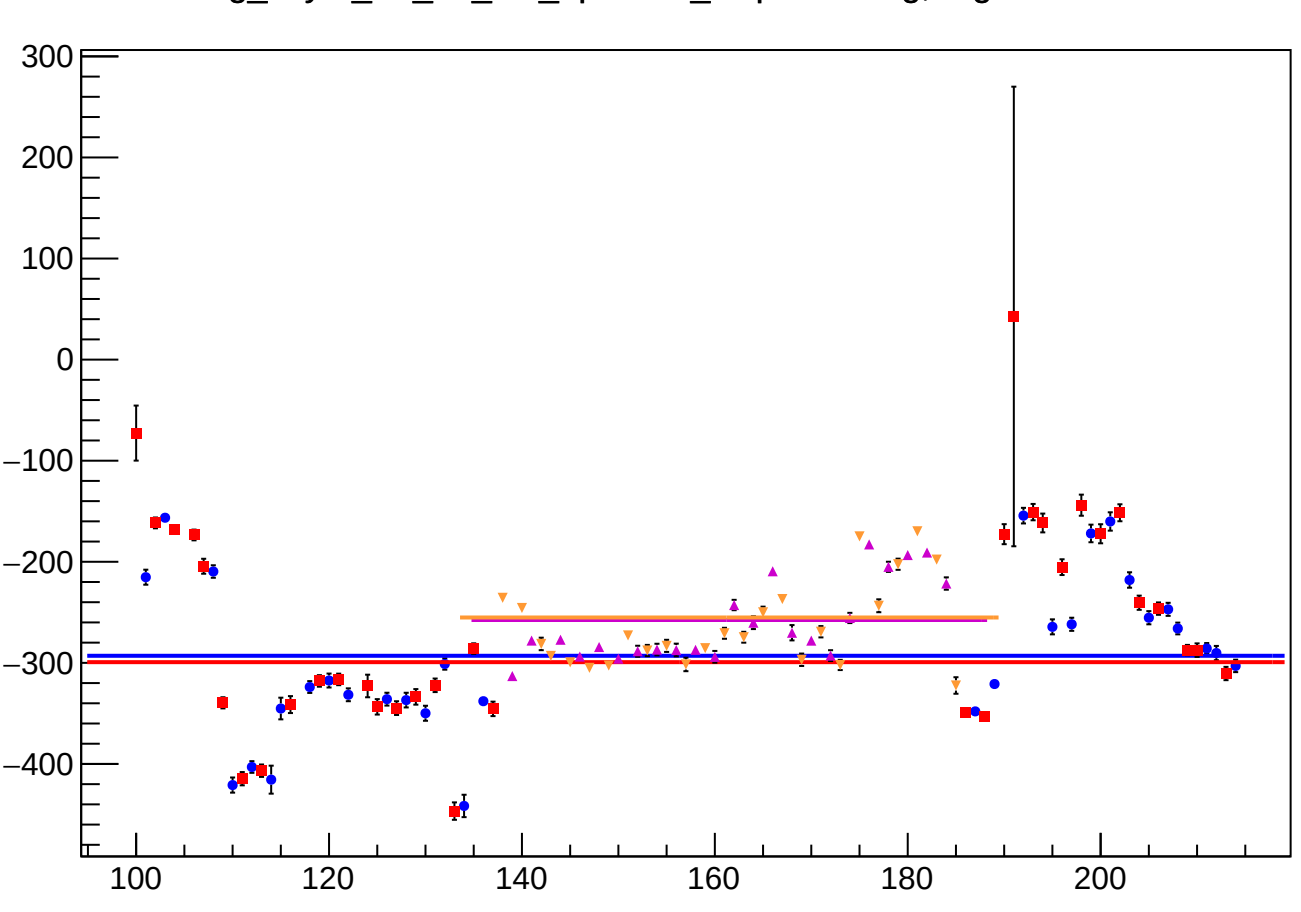
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -9.998+/-0.829 χ^2/NDF: 1656.8/63

In: 2.949+/-0.636 χ^2/NDF:1629.0/52

Out: 0.590+/-0.600 χ^2/NDF:1818.0/58

All: 1.701+/-0.436 χ^2/NDF: 3454.3/111



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

Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

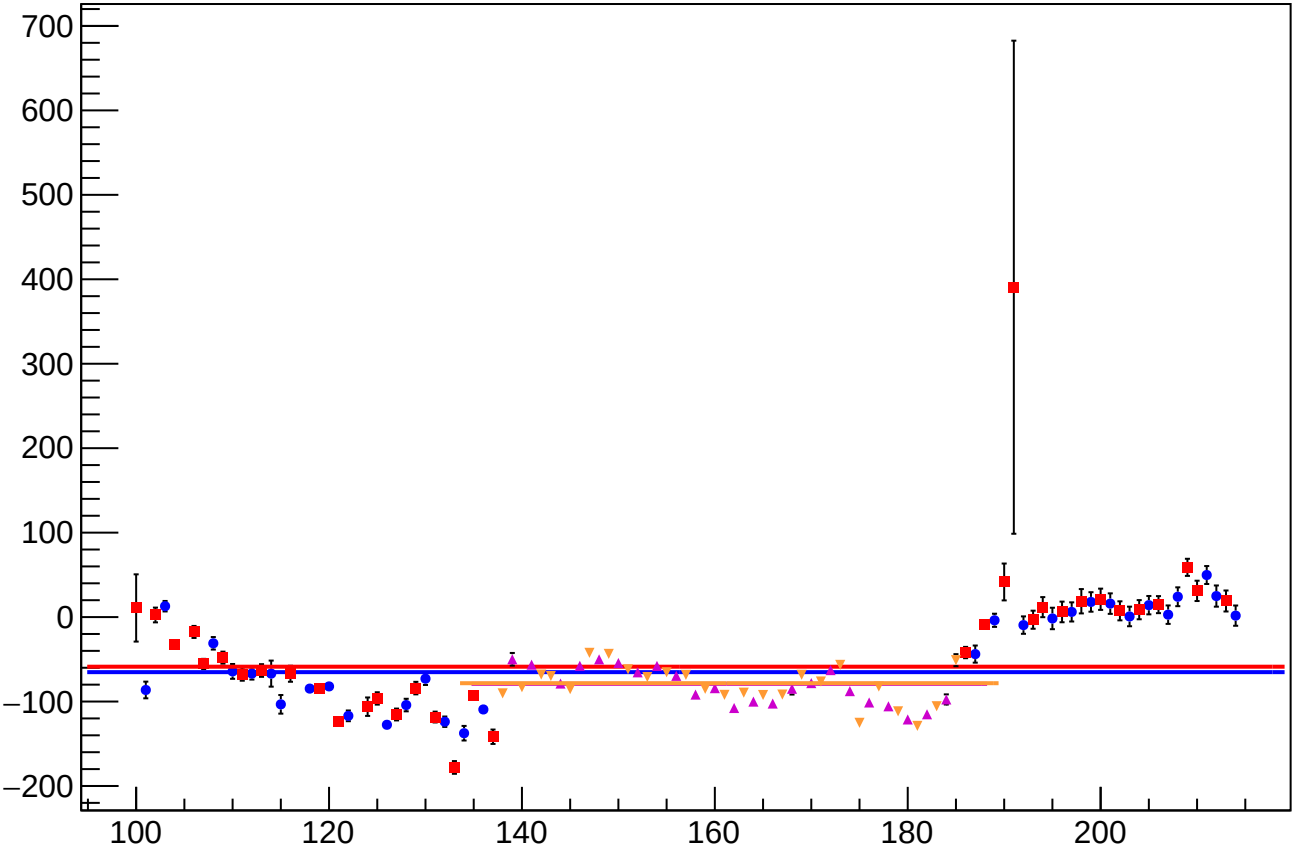
Right: -296.579+/-0.718 χ^2/NDF: 10839.5/63

In: -273.484+/-0.731 χ^2/NDF:6493.8/52

Out: -277.298+/-0.675 χ^2/NDF:10130.8/58

All: -275.543+/-0.496 χ^2/NDF: 16639.3/111

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

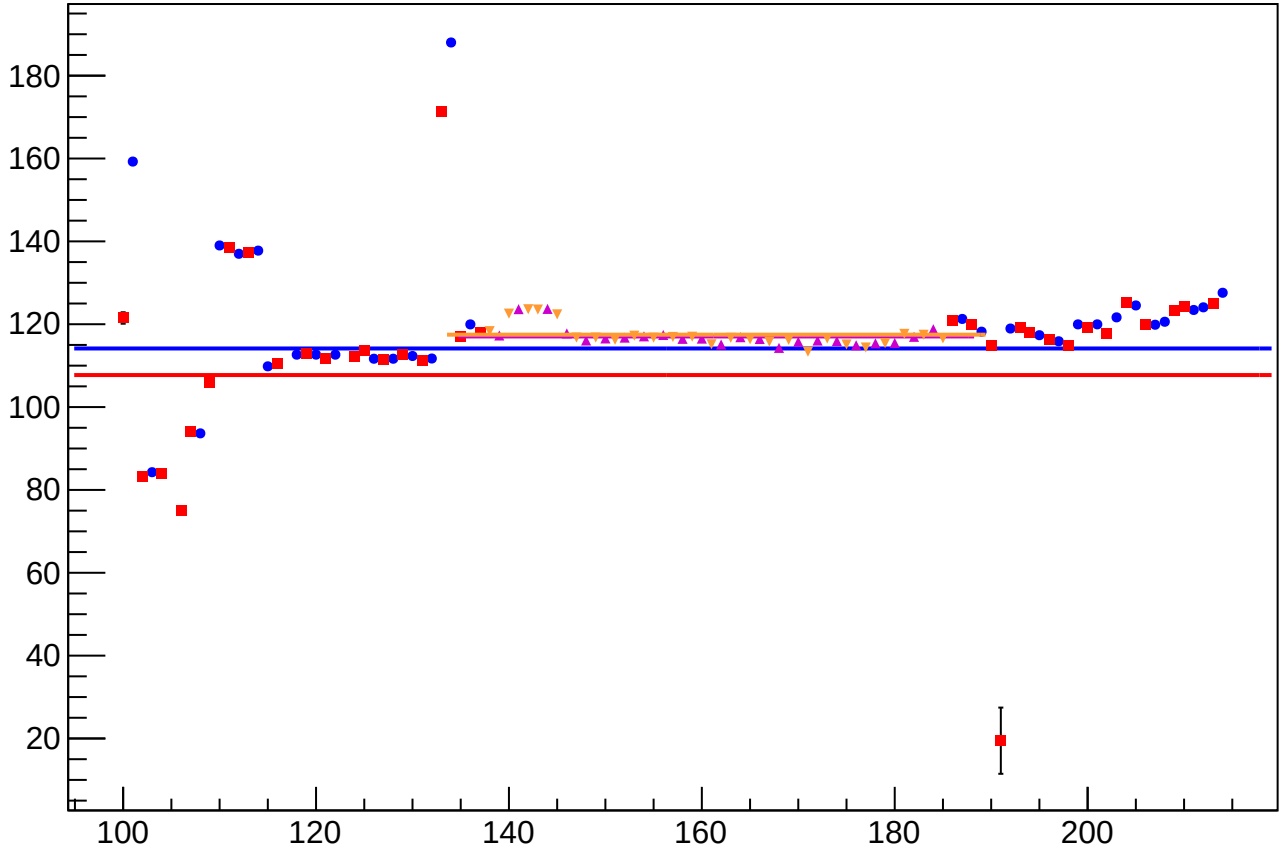
Right: -61.742+/-0.981 χ^2/NDF: 2887.7/63

In: -75.483+/-0.731 χ^2/NDF:2120.3/52

Out: -72.985+/-0.699 χ^2/NDF:2551.2/58

All: -74.178+/-0.505 χ^2/NDF: 4677.7/111

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

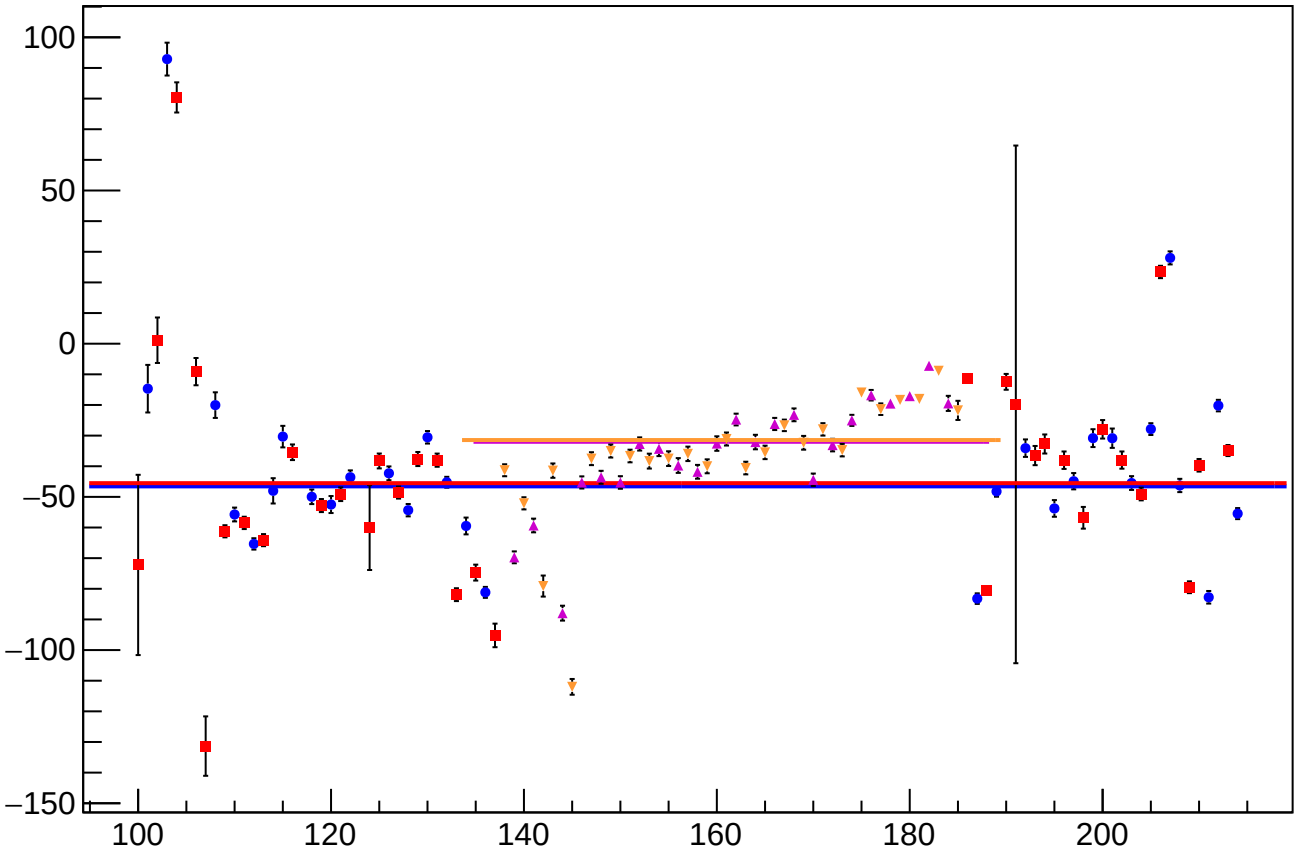
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 110.755+/-0.047 χ^2/NDF: 175104.8/63

In: 116.342+/-0.034 χ^2/NDF:93250.8/52

Out: 114.960+/-0.033 χ^2/NDF:103612.2/58

All: 115.633+/-0.023 χ^2/NDF: 197730.9/111



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

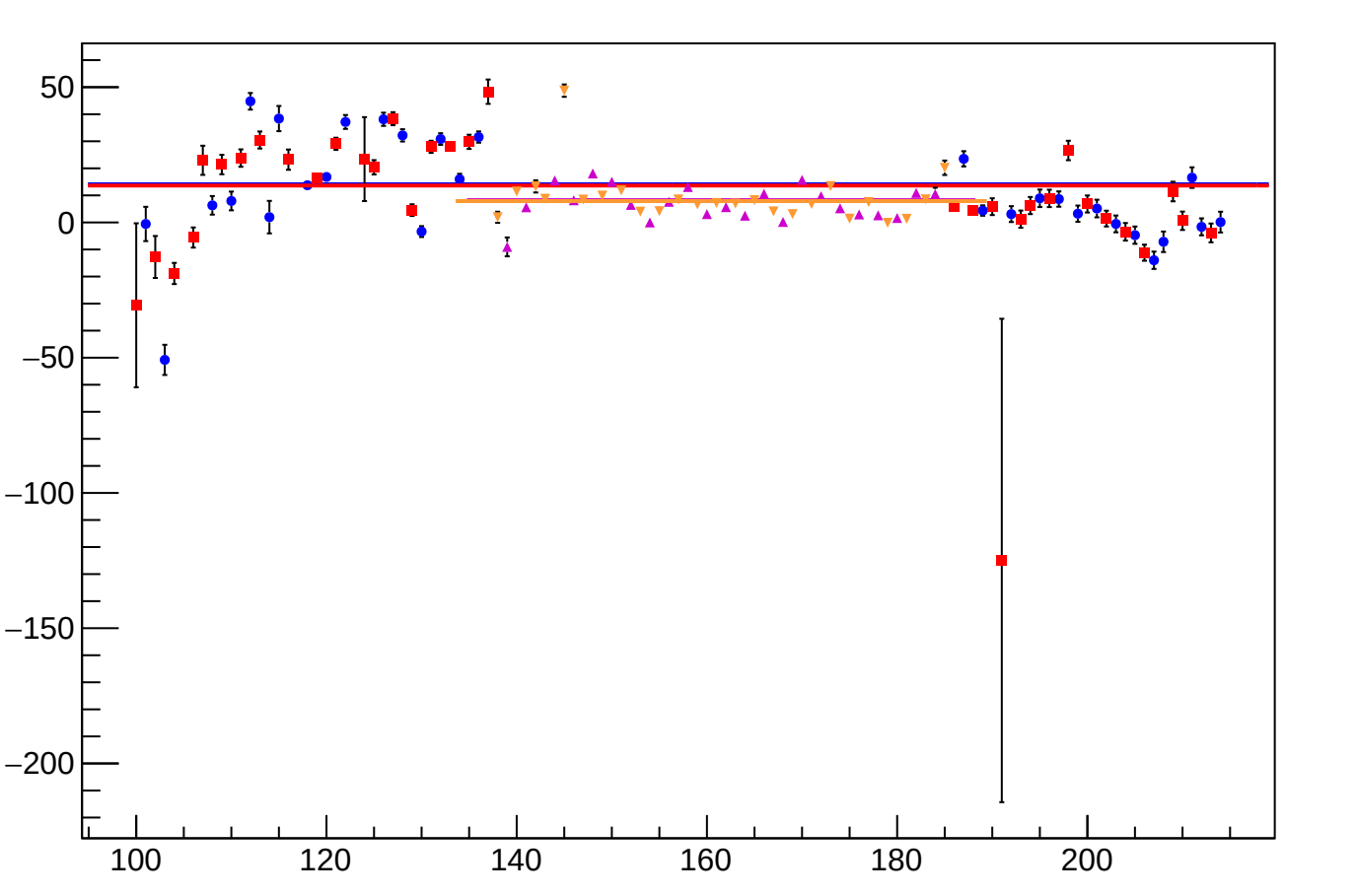
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

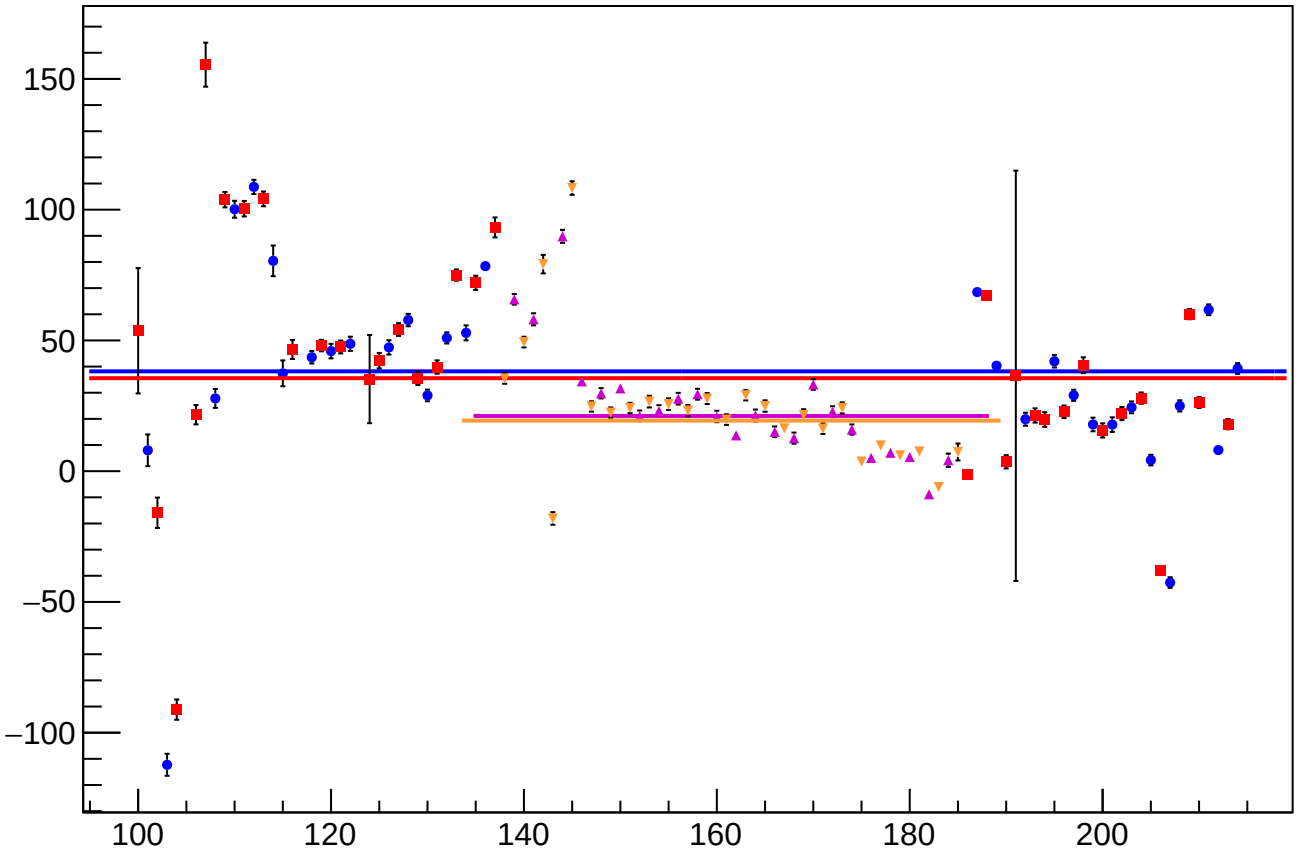
Right: -46.003+/-0.284 χ^2/NDF: 9483.9/63

In: -39.121+/-0.293 χ^2/NDF:6269.5/52

Out: -38.718+/-0.277 χ^2/NDF:8377.1/58

All: -38.909+/-0.201 χ^2/NDF: 14647.6/111


reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: 14.116+/-0.487 χ²/NDF: 1012.9/29
Left Out: 7.897+/-0.304 χ²/NDF:490.5/24
Right Out: 13.640+/-0.454 χ²/NDF: 855.0/33
Left In: 8.223+/-0.316 χ²/NDF:338.8/22
Left: 8.054+/-0.219 χ²/NDF: 829.9/47
Right: 13.861+/-0.332 χ²/NDF: 1868.4/63
In: 9.964+/-0.265 χ²/NDF:1454.8/52
Out: 9.674+/-0.253 χ²/NDF:1456.1/58
All: 9.813+/-0.183 χ²/NDF: 2911.4/111



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

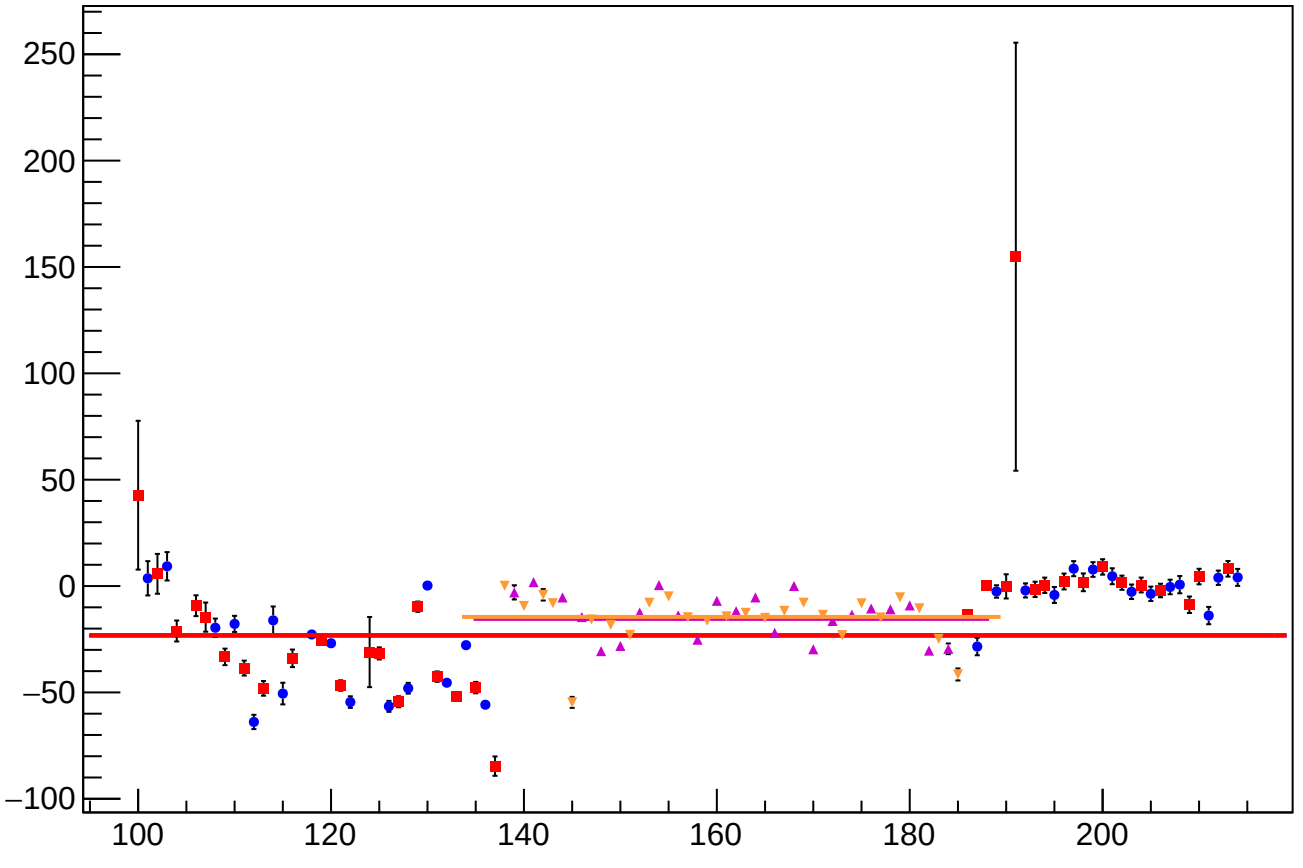
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 36.694+/-0.281 χ^2/NDF: 15444.2/63

In: 29.212+/-0.293 χ^2/NDF:9403.2/52

Out: 27.930+/-0.271 χ^2/NDF:12939.2/58

All: 28.520+/-0.199 χ^2/NDF: 22352.6/111



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

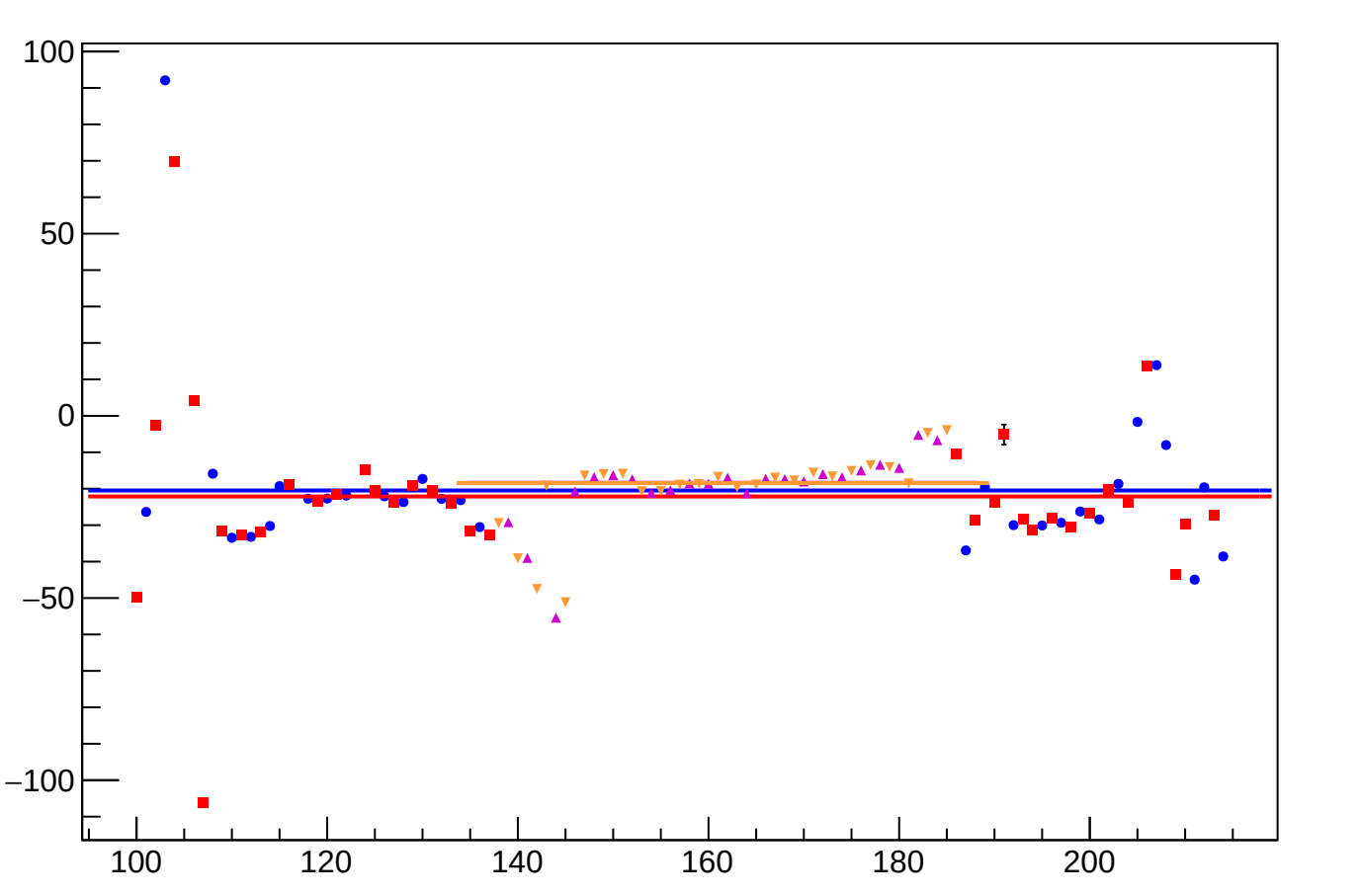
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -23.172+/-0.392 χ^2/NDF: 3315.3/63

In: -17.658+/-0.301 χ^2/NDF:2597.3/52

Out: -16.928+/-0.291 χ^2/NDF:2472.9/58

All: -17.281+/-0.209 χ^2/NDF: 5073.2/111



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

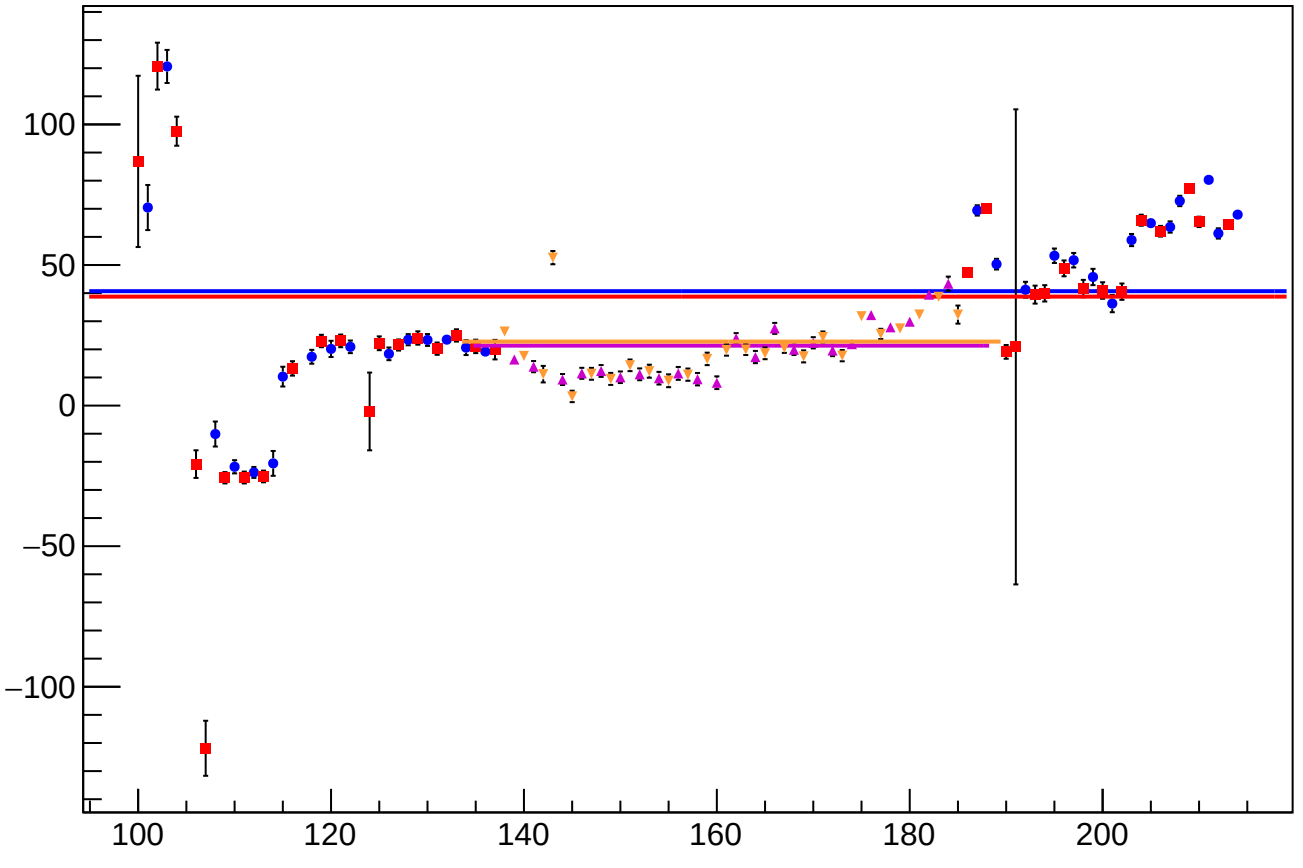
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -21.314+/-0.019 χ^2/NDF: 1065190.7/63

In: -18.903+/-0.014 χ^2/NDF:833923.9/52

Out: -19.358+/-0.013 χ^2/NDF:793229.3/58

All: -19.134+/-0.010 χ^2/NDF: 1627715.5/111



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

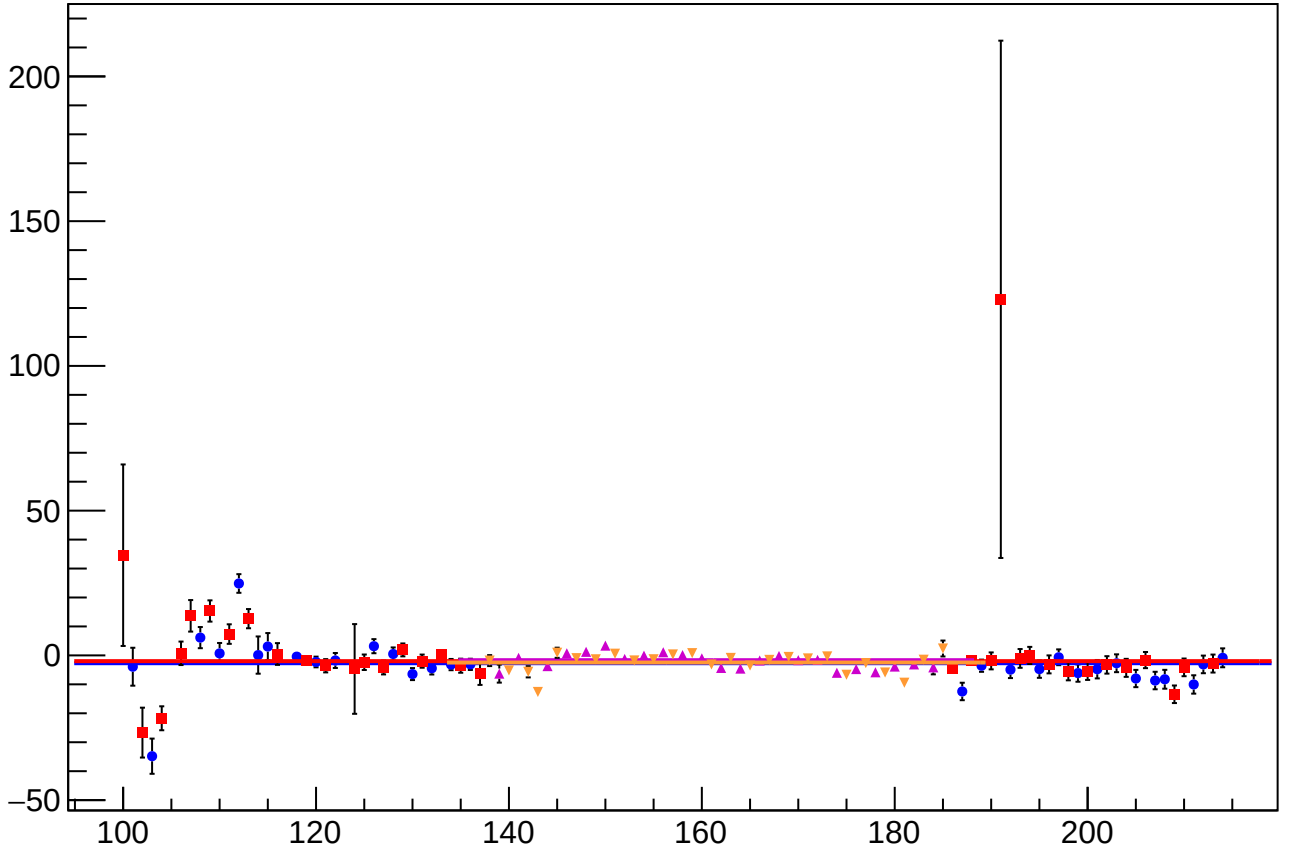
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 39.681+/-0.282 χ^2/NDF: 11622.1/63

In: 30.635+/-0.283 χ^2/NDF:6952.6/52

Out: 30.610+/-0.273 χ^2/NDF:8036.1/58

All: 30.622+/-0.197 χ^2/NDF: 14988.8/111



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

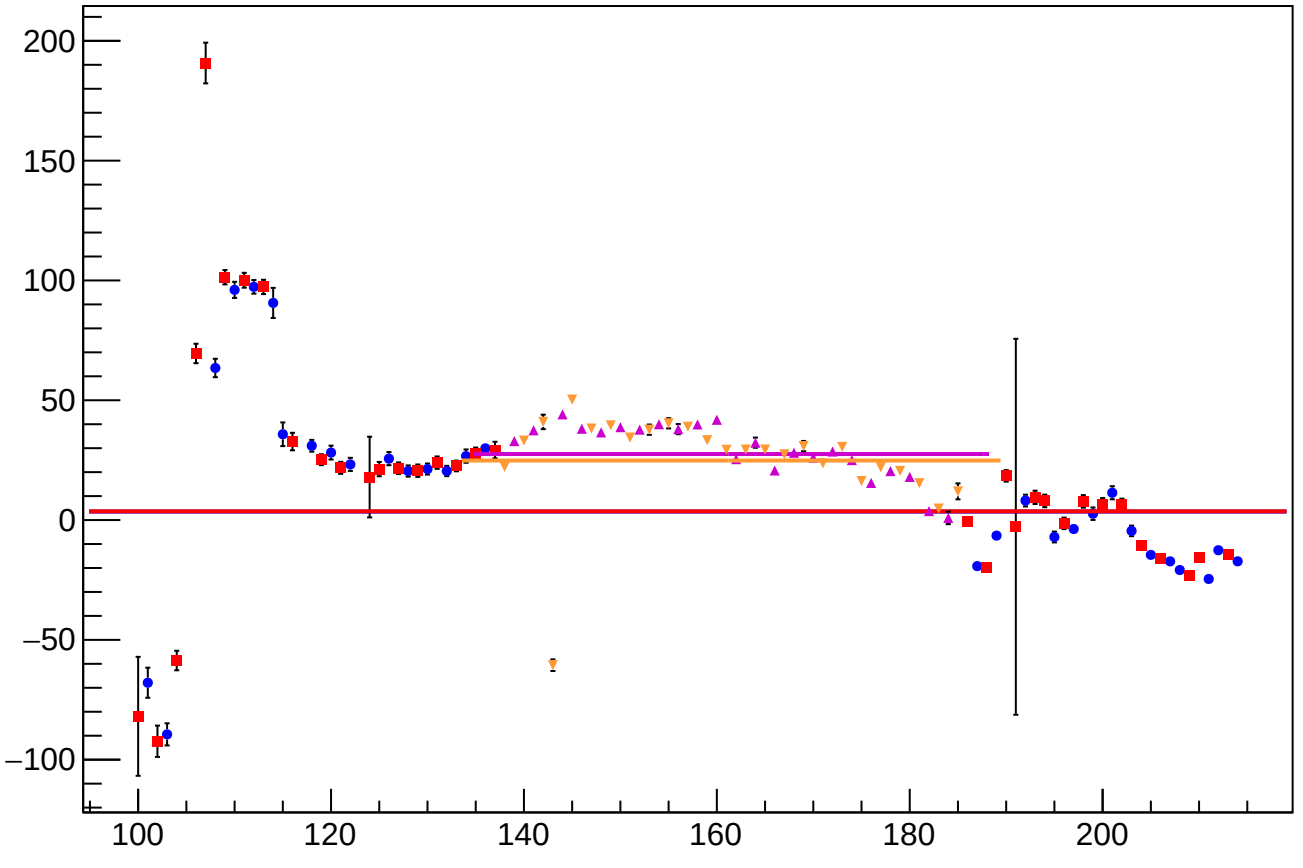
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.329+/-0.336 χ^2/NDF: 276.5/63

In: -1.952+/-0.258 χ^2/NDF:227.1/52

Out: -2.332+/-0.248 χ^2/NDF:239.2/58

All: -2.149+/-0.179 χ^2/NDF: 467.5/111



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

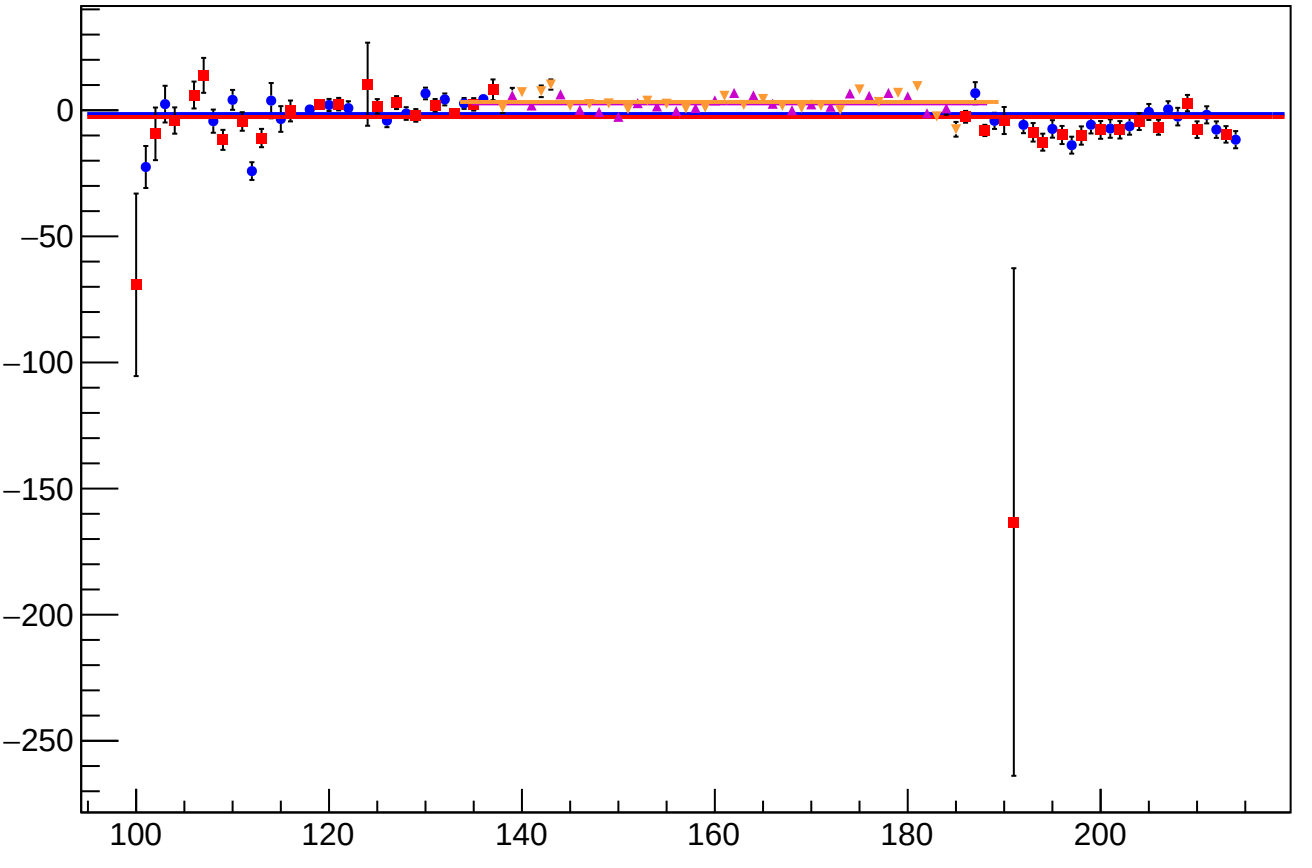
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 3.600+/-0.282 χ^2/NDF: 11162.0/63

In: 16.387+/-0.284 χ^2/NDF:7511.6/52

Out: 14.332+/-0.270 χ^2/NDF:9899.6/58

All: 15.304+/-0.196 χ^2/NDF: 17438.7/111



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

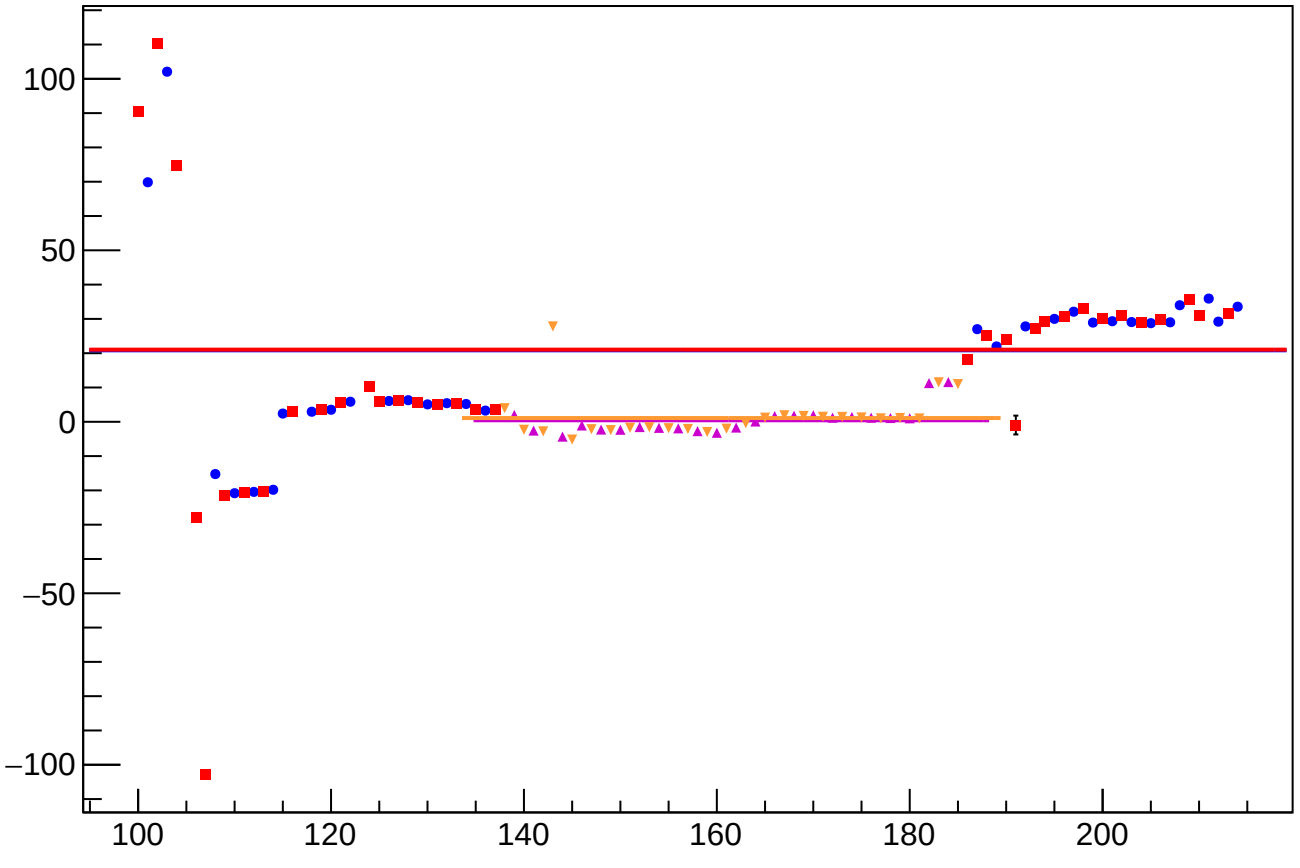
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -2.103+/-0.392 χ^2/NDF: 232.2/63

In: 1.567+/-0.292 χ^2/NDF:245.7/52

Out: 1.708+/-0.284 χ^2/NDF:293.0/58

All: 1.639+/-0.203 χ^2/NDF: 538.9/111



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

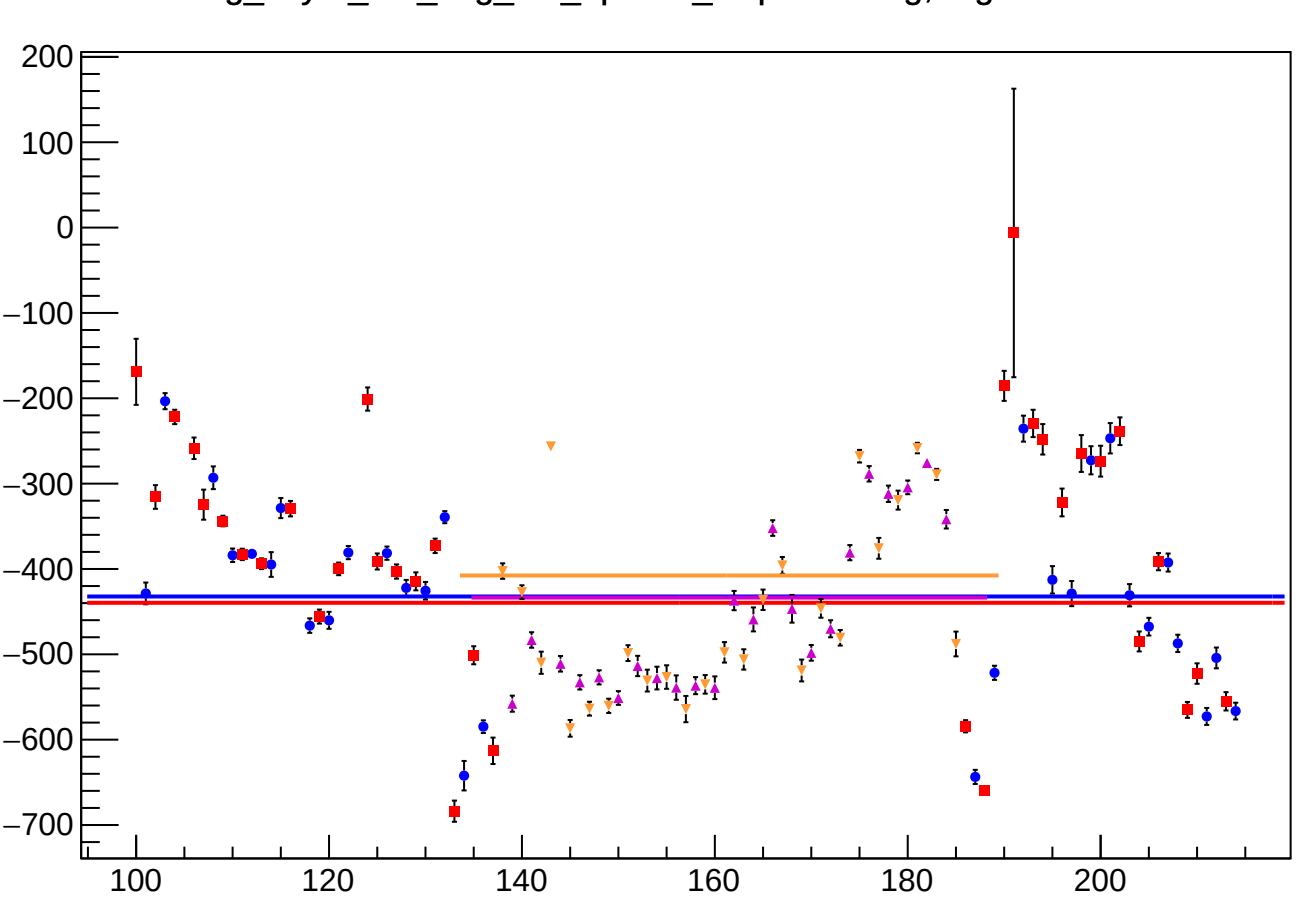
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

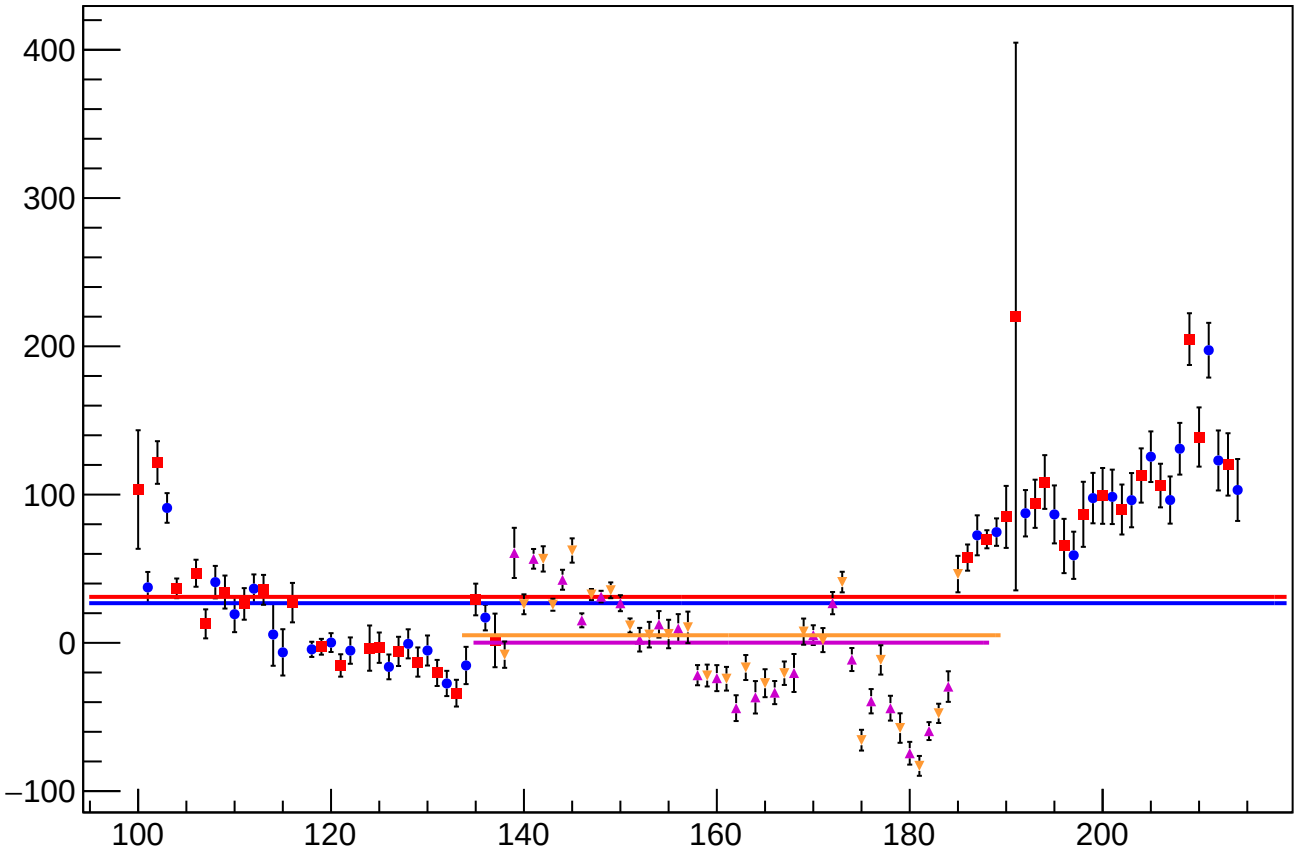
Right: 20.942+/-0.019 χ^2/NDF: 1144781.3/63

In: 5.422+/-0.013 χ^2/NDF:1001676.4/52

Out: 5.829+/-0.013 χ^2/NDF:1200671.4/58

All: 5.628+/-0.009 χ^2/NDF: 2202834.9/111


reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
200
100
0
−100
−200
−300
−400
−500
−600
−700
100
120
140
160
180
200
Right In: -432.236+/-1.797 χ²/NDF: 3359.2/29
Left Out: -407.620+/-1.868 χ²/NDF:4005.6/24
Right Out: -439.618+/-1.666 χ²/NDF: 6719.4/33
Left In: -433.529+/-1.993 χ²/NDF:2724.5/22
Left: -419.735+/-1.363 χ²/NDF: 6820.1/47
Right: -436.206+/-1.222 χ²/NDF: 10087.7/63
In: -432.816+/-1.334 χ²/NDF:6084.0/52
Out: -425.444+/-1.243 χ²/NDF:10888.5/58
All: -428.869+/-0.910 χ²/NDF: 16988.8/111



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

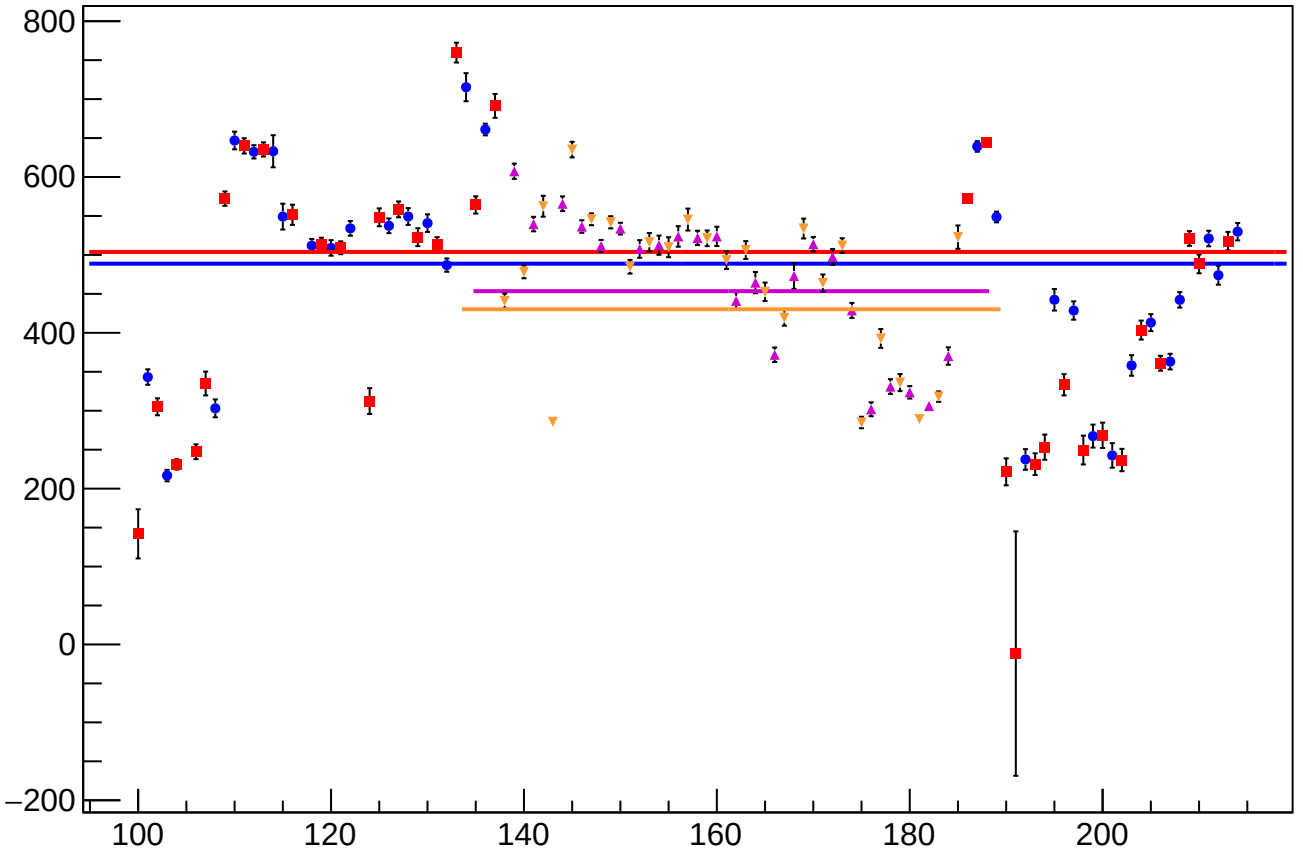
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 29.010+/-1.369 χ^2/NDF: 1126.5/63

In: 9.639+/-1.194 χ^2/NDF:1221.9/52

Out: 14.178+/-1.112 χ^2/NDF:1397.5/58

All: 12.071+/-0.814 χ^2/NDF: 2627.1/111



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

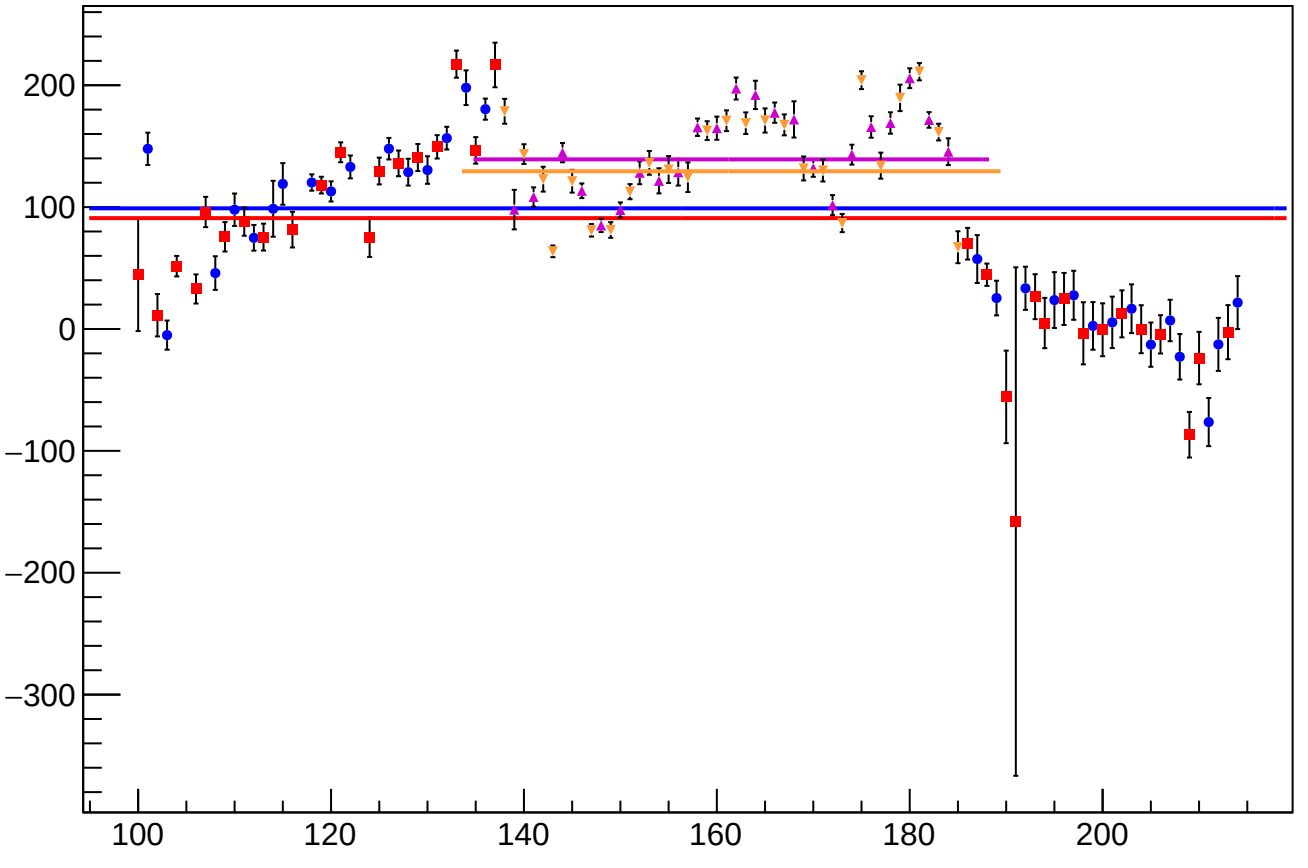
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 497.085+/-1.244 χ^2/NDF: 13050.9/63

In: 472.163+/-1.354 χ^2/NDF:7529.8/52

Out: 470.933+/-1.244 χ^2/NDF:12343.1/58

All: 471.496+/-0.916 χ^2/NDF: 19873.3/111



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

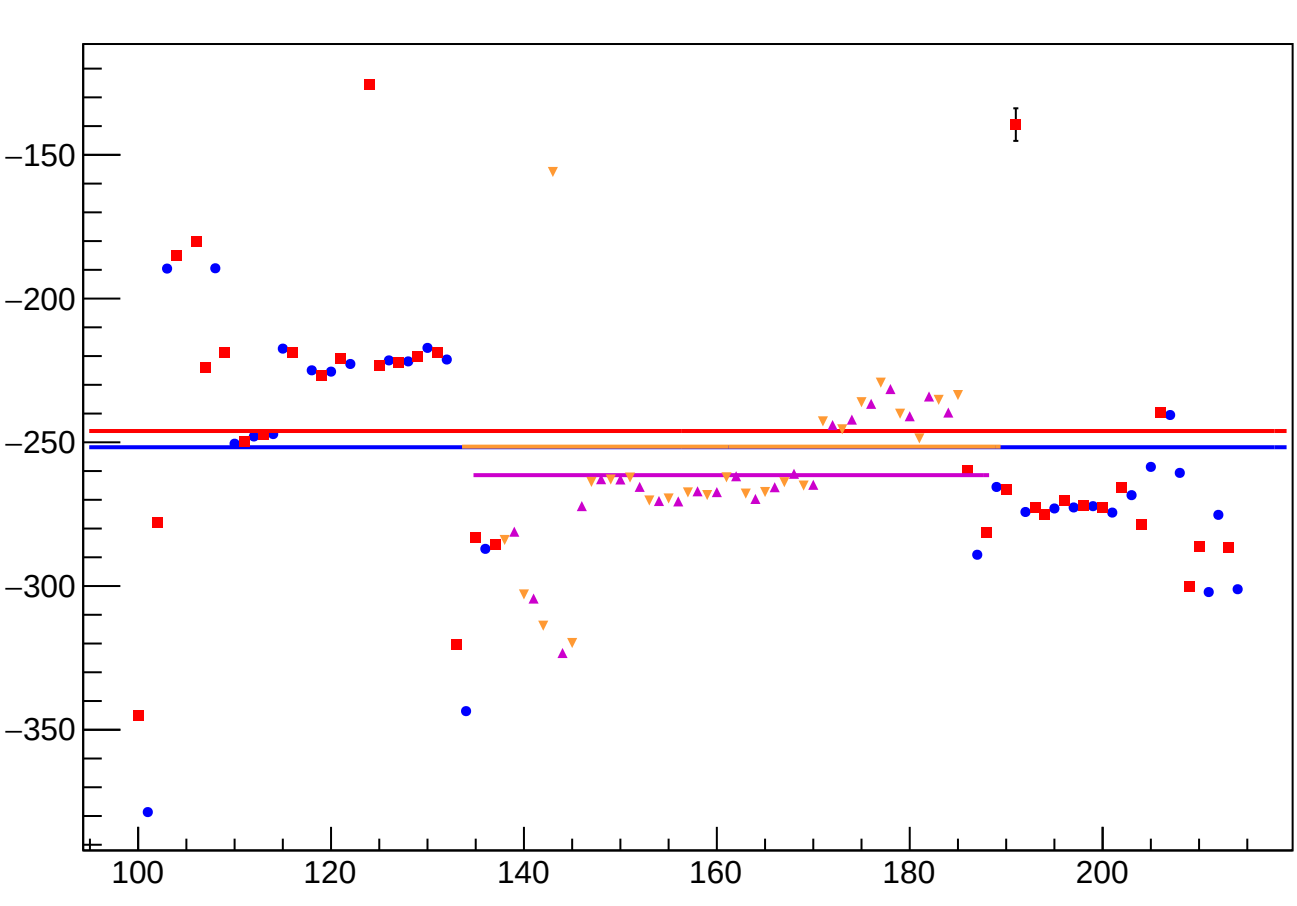
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 94.800+/-1.614 χ^2/NDF: 1469.8/63

In: 125.194+/-1.377 χ^2/NDF:1341.5/52

Out: 116.451+/-1.297 χ^2/NDF:1760.2/58

All: 120.561+/-0.944 χ^2/NDF: 3123.0/111



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

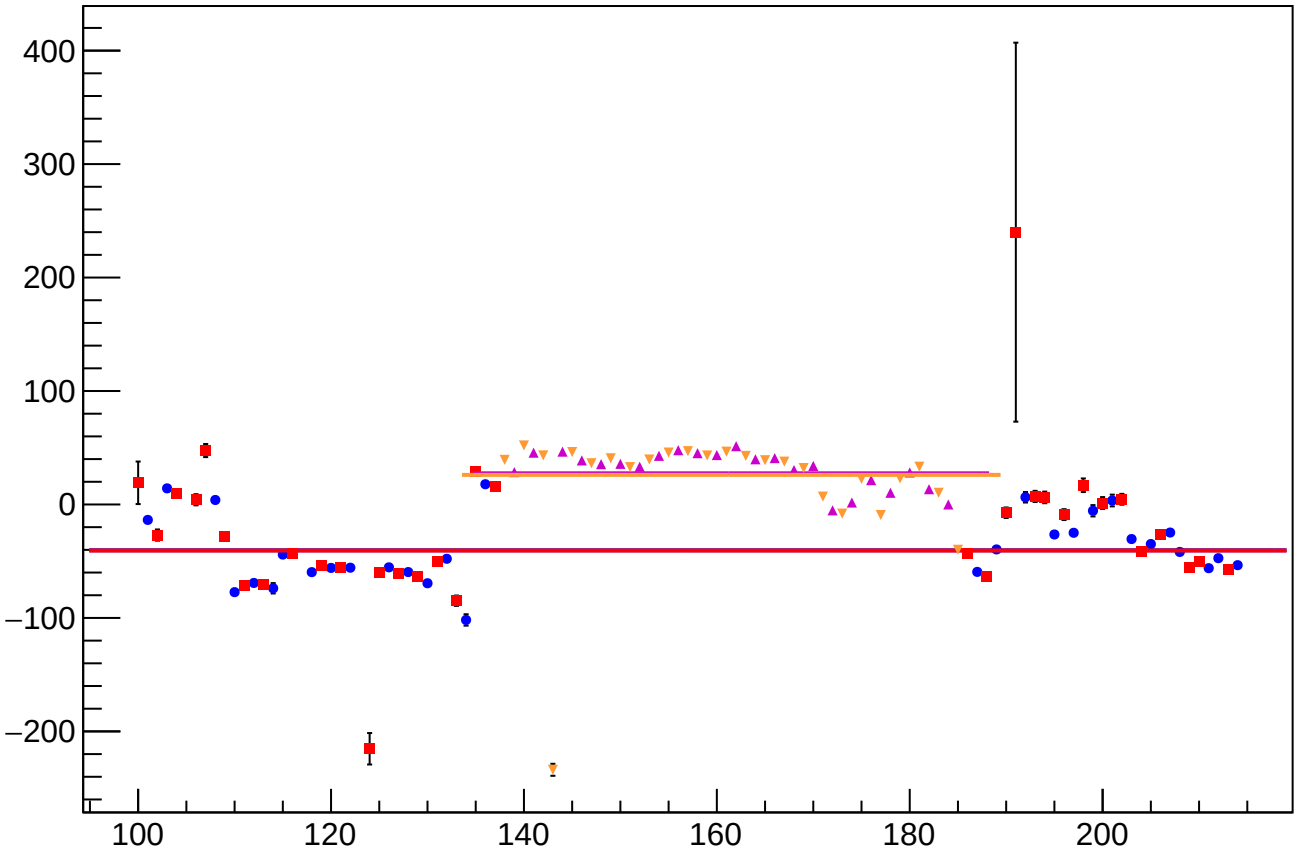
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -248.802+/-0.083 χ^2/NDF: 274813.4/63

In: -258.506+/-0.065 χ^2/NDF:228212.8/52

Out: -249.898+/-0.063 χ^2/NDF:376163.7/58

All: -254.030+/-0.045 χ^2/NDF: 613459.7/111



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

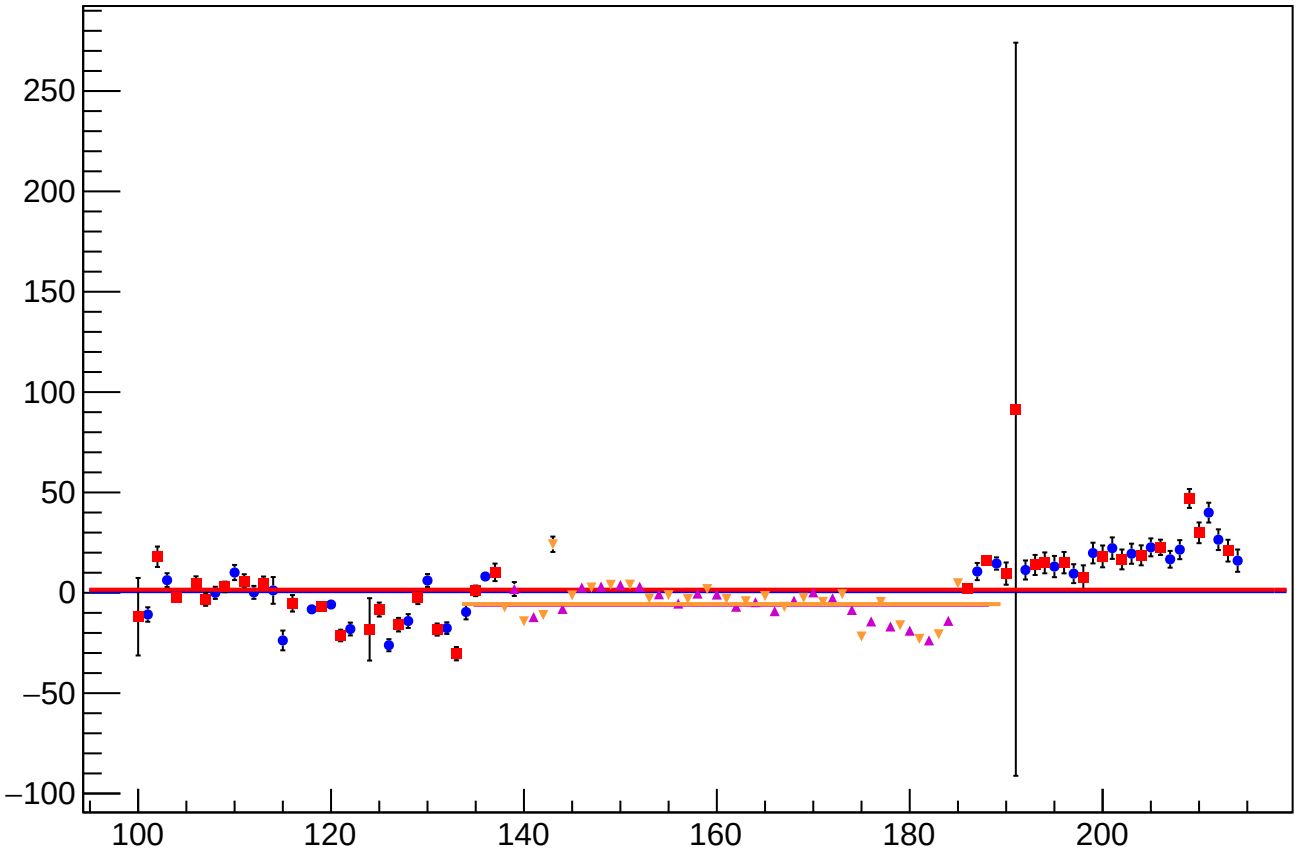
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -40.490+/-0.373 χ^2/NDF: 6165.8/63

In: 4.415+/-0.322 χ^2/NDF:14412.2/52

Out: 1.354+/-0.309 χ^2/NDF:18989.4/58

All: 2.824+/-0.223 χ^2/NDF: 33448.7/111



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

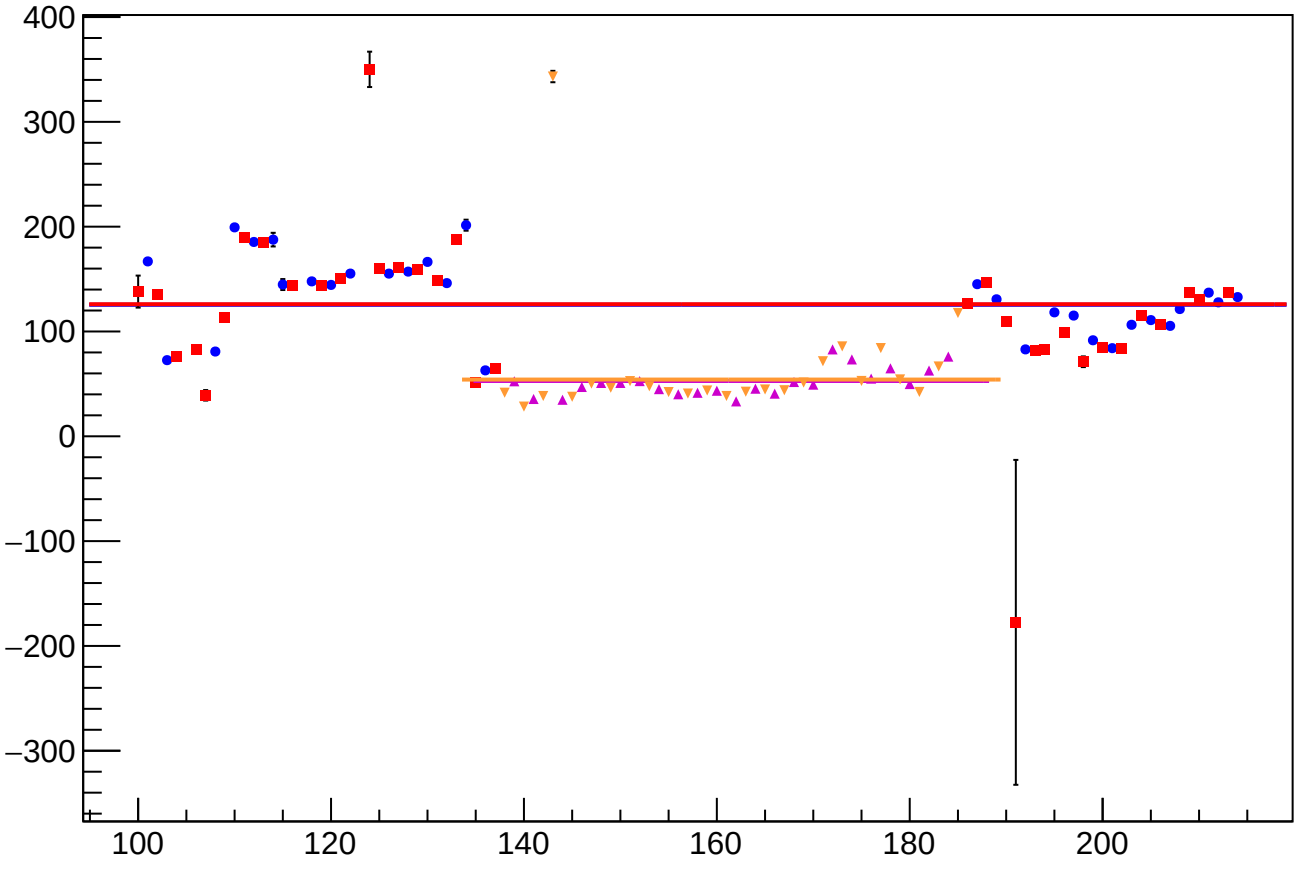
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: 1.207+/-0.439 χ^2/NDF: 1054.1/63

In: -4.670+/-0.278 χ^2/NDF:1308.3/52

Out: -4.183+/-0.270 χ^2/NDF:1554.0/58

All: -4.419+/-0.194 χ^2/NDF: 2863.8/111



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

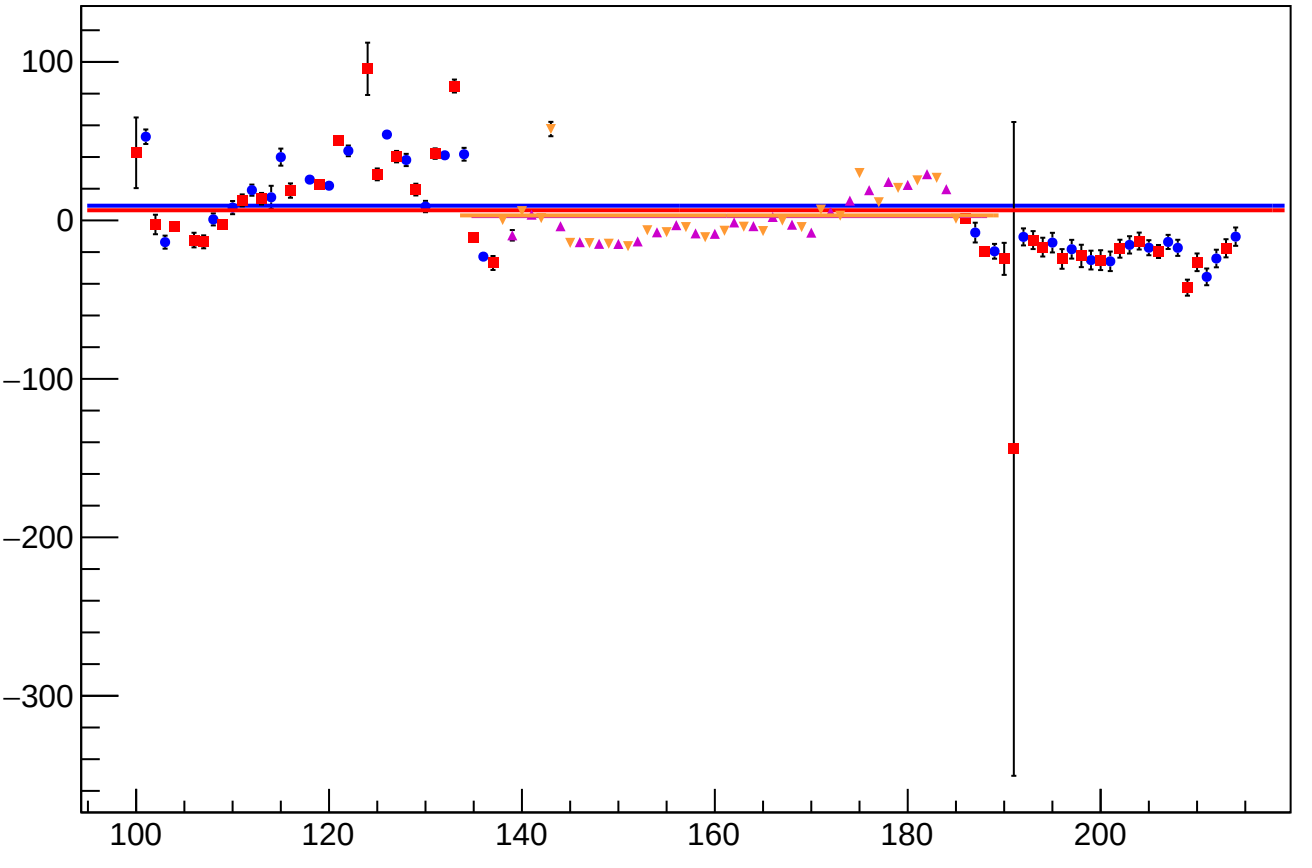
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 125.769+/-0.380 χ^2/NDF: 8597.7/63

In: 76.304+/-0.323 χ^2/NDF:16203.7/52

Out: 80.303+/-0.309 χ^2/NDF:21595.5/58

All: 78.393+/-0.223 χ^2/NDF: 37879.2/111



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

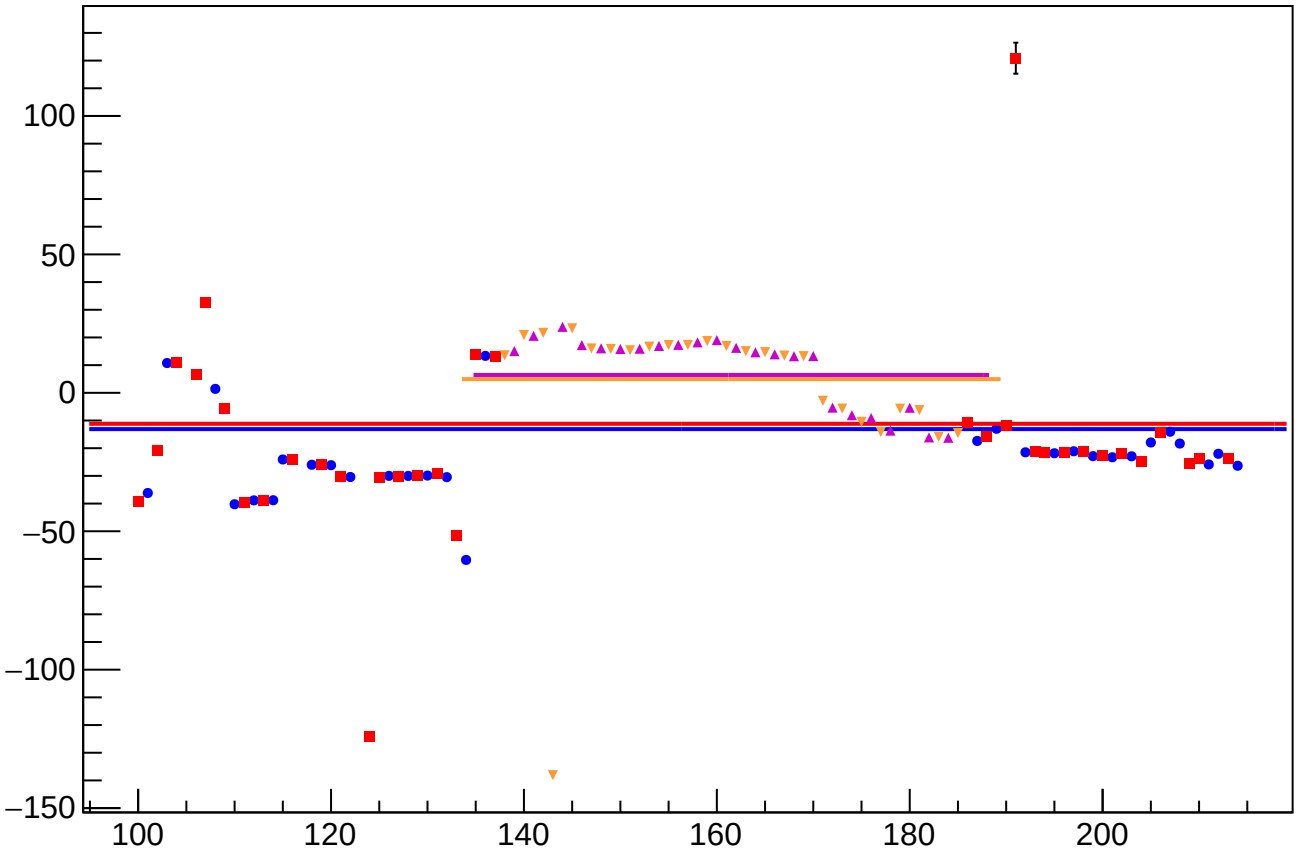
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 7.789+/-0.512 χ^2/NDF: 2847.7/63

In: 3.907+/-0.314 χ^2/NDF:3171.9/52

Out: 3.758+/-0.307 χ^2/NDF:3497.1/58

All: 3.831+/-0.219 χ^2/NDF: 6669.1/111



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

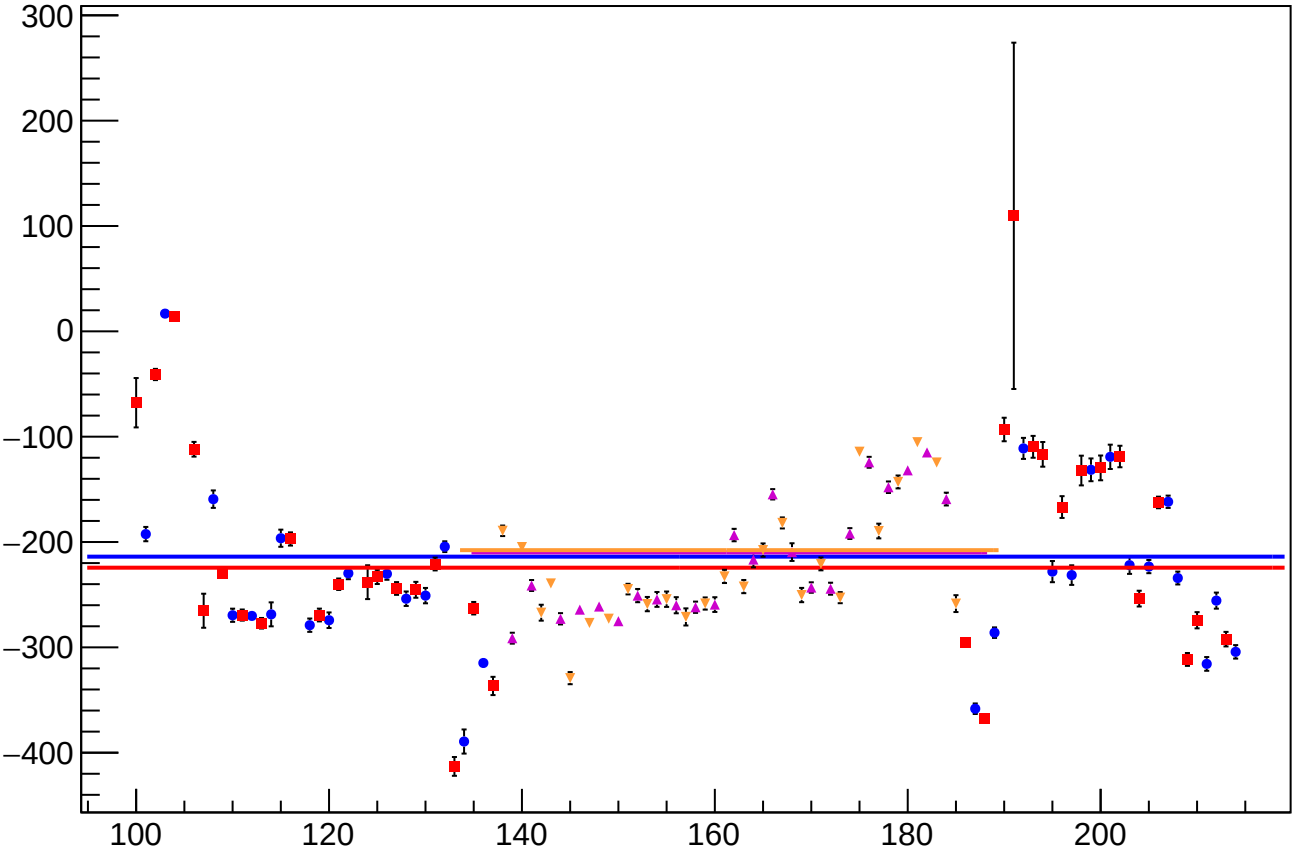
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -12.145+/-0.025 χ^2/NDF: 586309.1/63

In: 3.315+/-0.014 χ^2/NDF:1292140.6/52

Out: 2.381+/-0.014 χ^2/NDF:1597683.1/58

All: 2.844+/-0.010 χ^2/NDF: 2892044.0/111



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

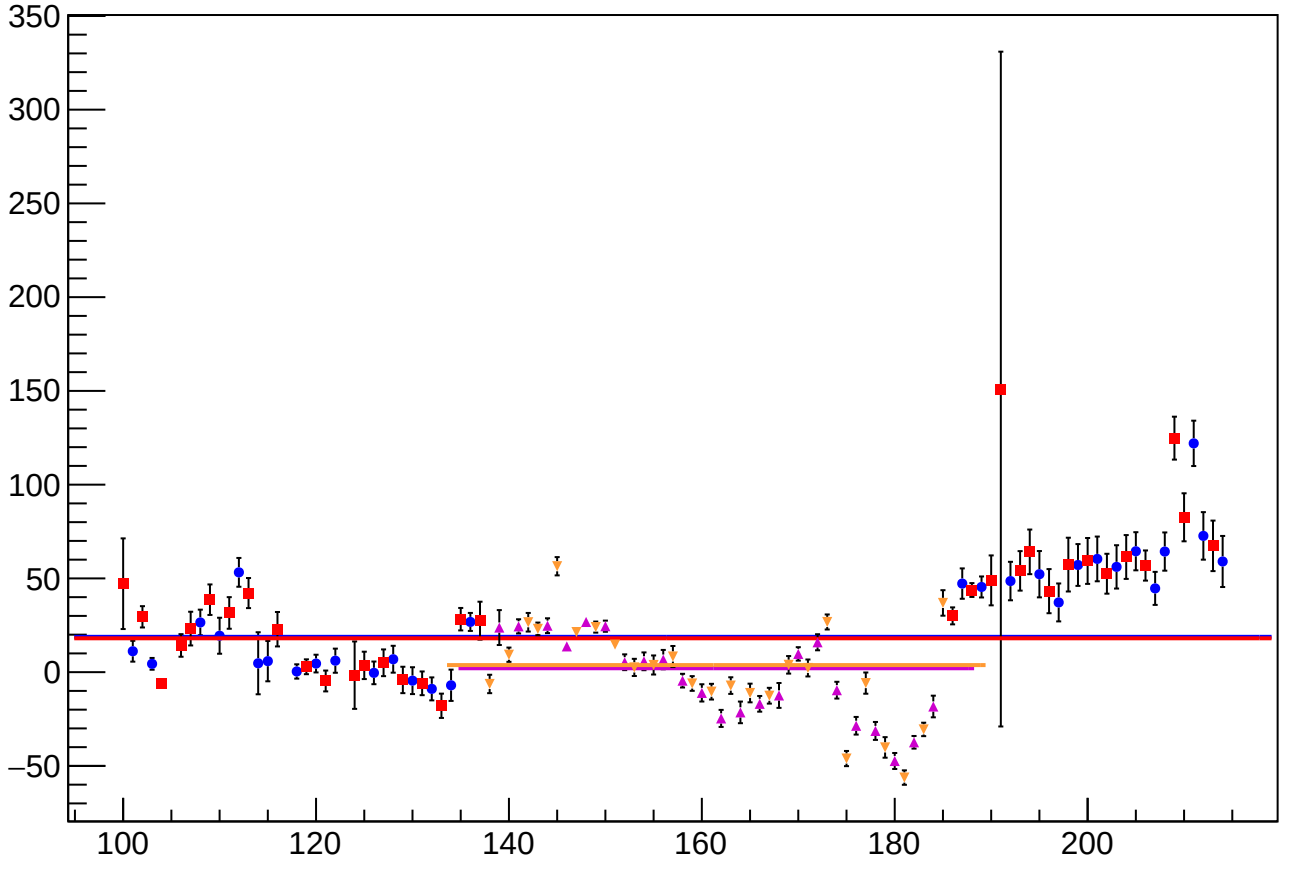
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -219.506+/-0.769 χ^2/NDF: 22036.6/63

In: -211.834+/-0.788 χ^2/NDF:12344.7/52

Out: -216.212+/-0.749 χ^2/NDF:16274.2/58

All: -214.133+/-0.543 χ^2/NDF: 28635.1/111



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

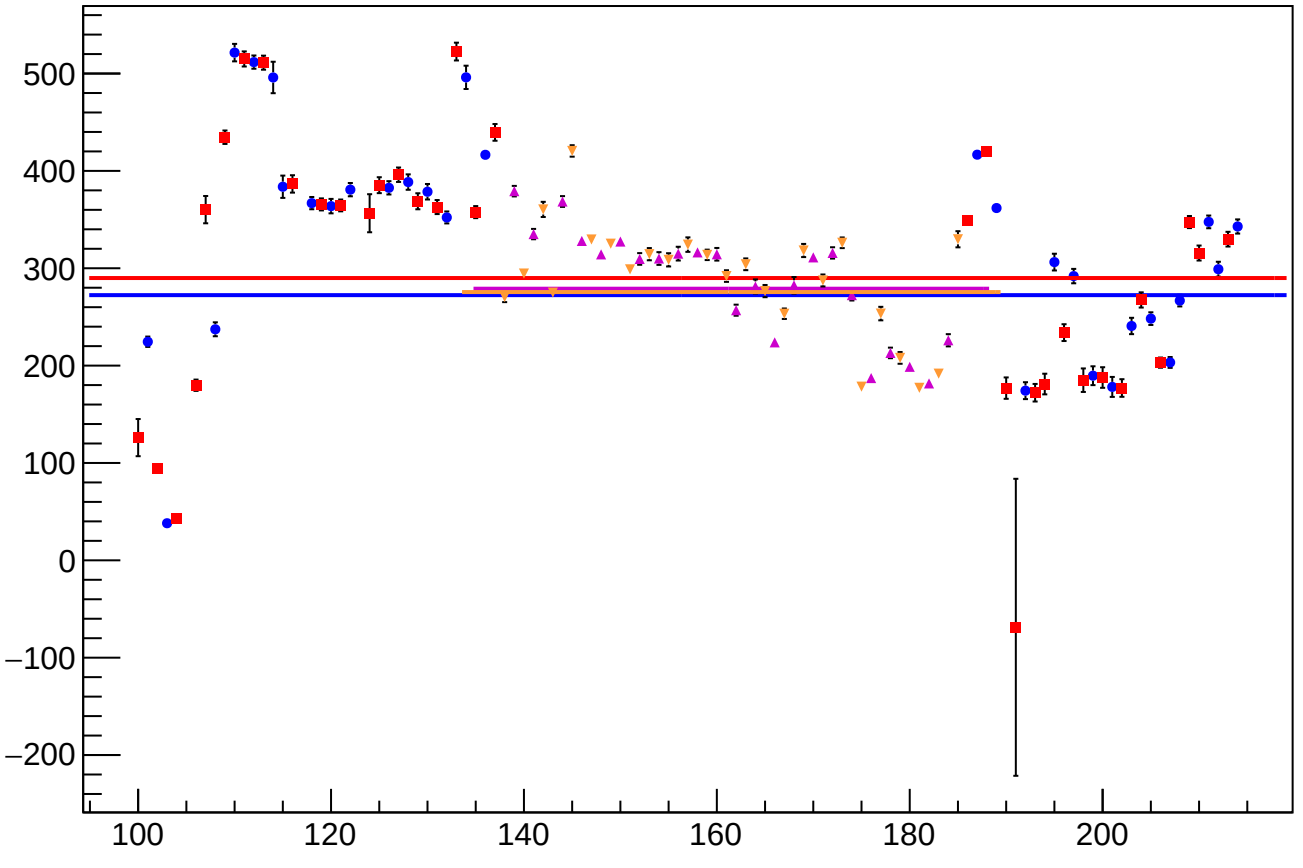
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 18.412+/-0.849 χ^2/NDF: 883.9/63

In: 7.065+/-0.687 χ^2/NDF:1270.1/52

Out: 8.336+/-0.649 χ^2/NDF:1585.4/58

All: 7.736+/-0.472 χ^2/NDF: 2857.4/111



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

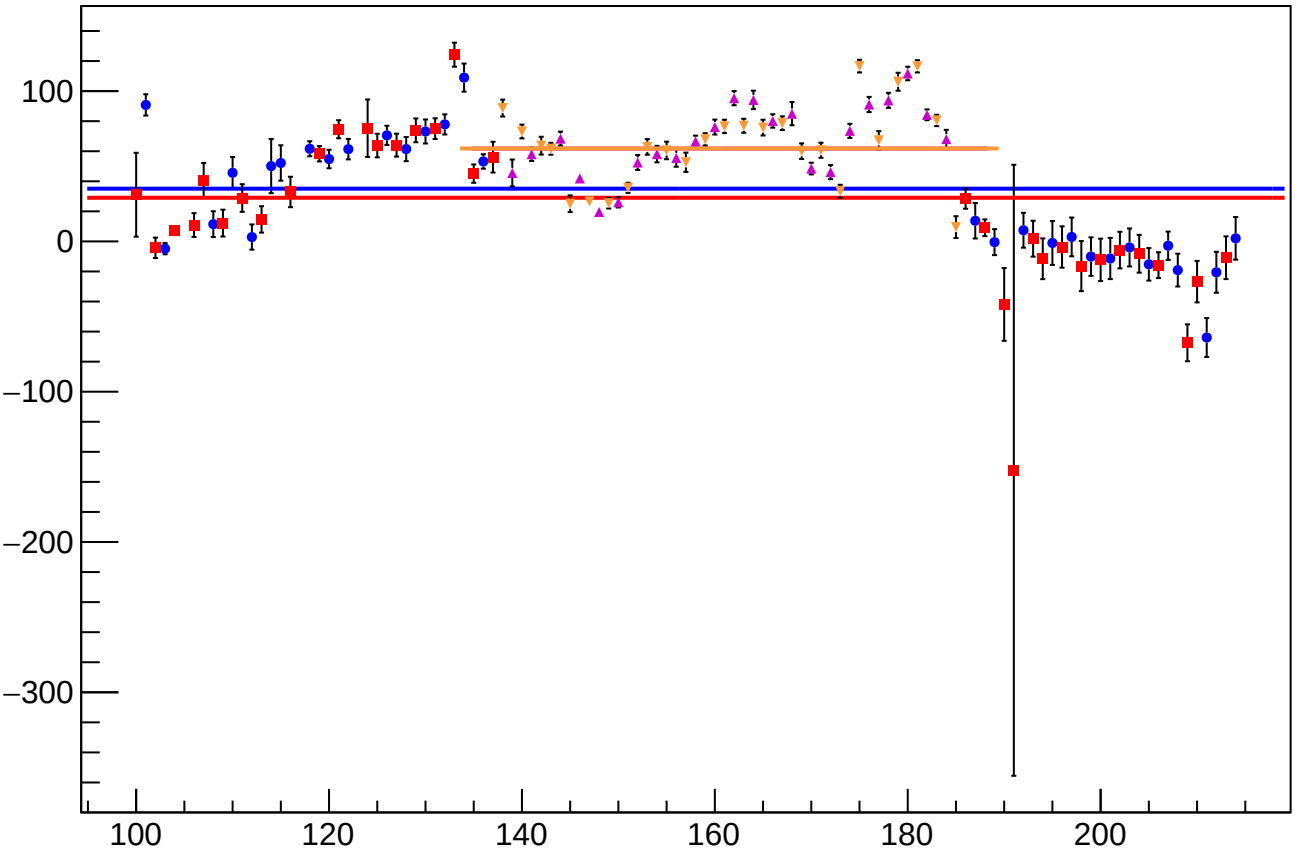
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 282.054+/-0.734 χ^2/NDF: 40434.8/63

In: 275.704+/-0.772 χ^2/NDF:21134.9/52

Out: 283.254+/-0.724 χ^2/NDF:25712.9/58

All: 279.722+/-0.528 χ^2/NDF: 46898.7/111



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

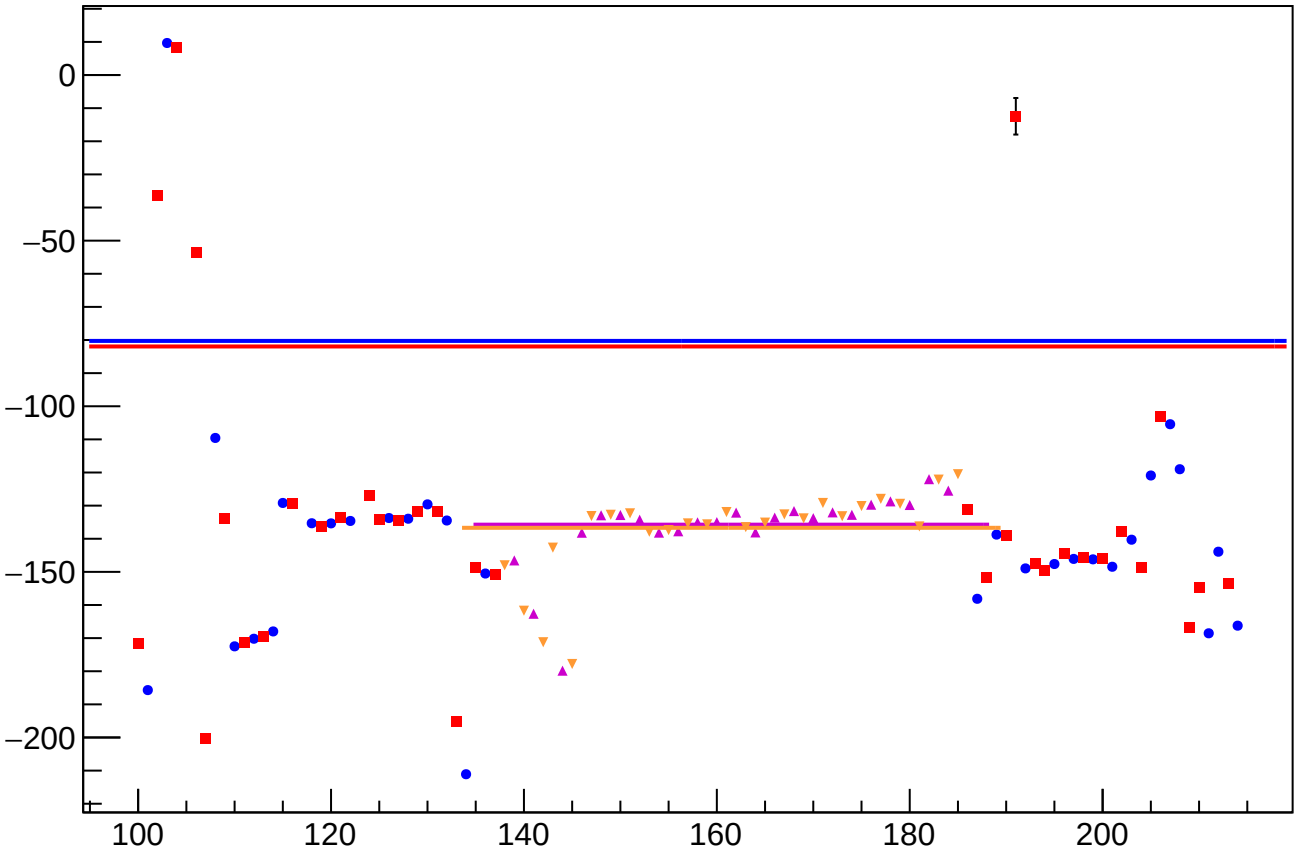
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 31.883+/-1.010 χ^2/NDF: 1306.1/63

In: 54.064+/-0.792 χ^2/NDF:1621.6/52

Out: 52.002+/-0.760 χ^2/NDF:1994.9/58

All: 52.990+/-0.548 χ^2/NDF: 3620.0/111



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

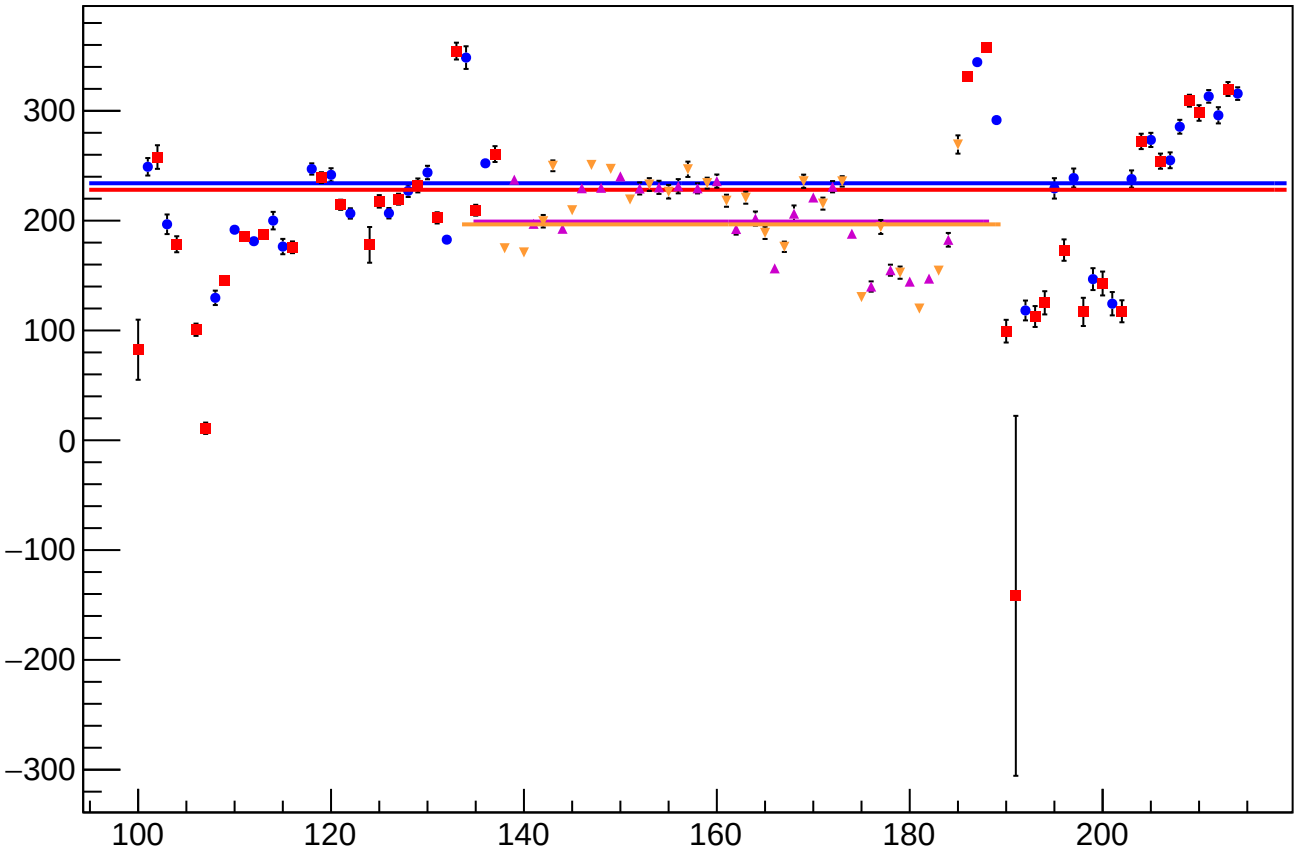
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -81.105+/-0.044 χ^2/NDF: 2833412.0/63

In: -117.917+/-0.035 χ^2/NDF:2173857.6/52

Out: -119.524+/-0.035 χ^2/NDF:1868361.4/58

All: -118.727+/-0.025 χ^2/NDF: 4043265.4/11



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

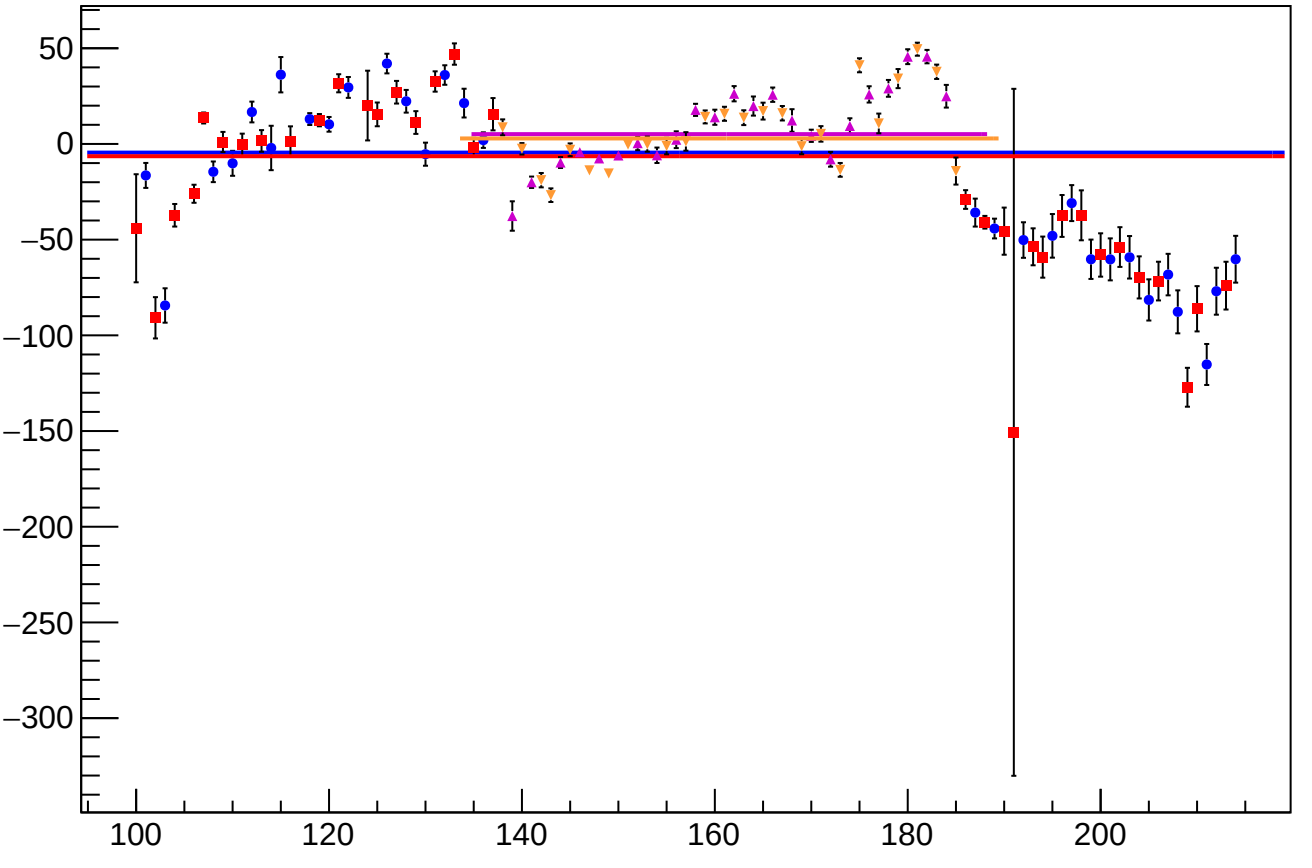
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 230.763+/-0.701 χ^2/NDF: 11524.9/63

In: 215.311+/-0.713 χ^2/NDF:4662.8/52

Out: 212.415+/-0.668 χ^2/NDF:11365.7/58

All: 213.769+/-0.487 χ^2/NDF: 16037.3/111



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

Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

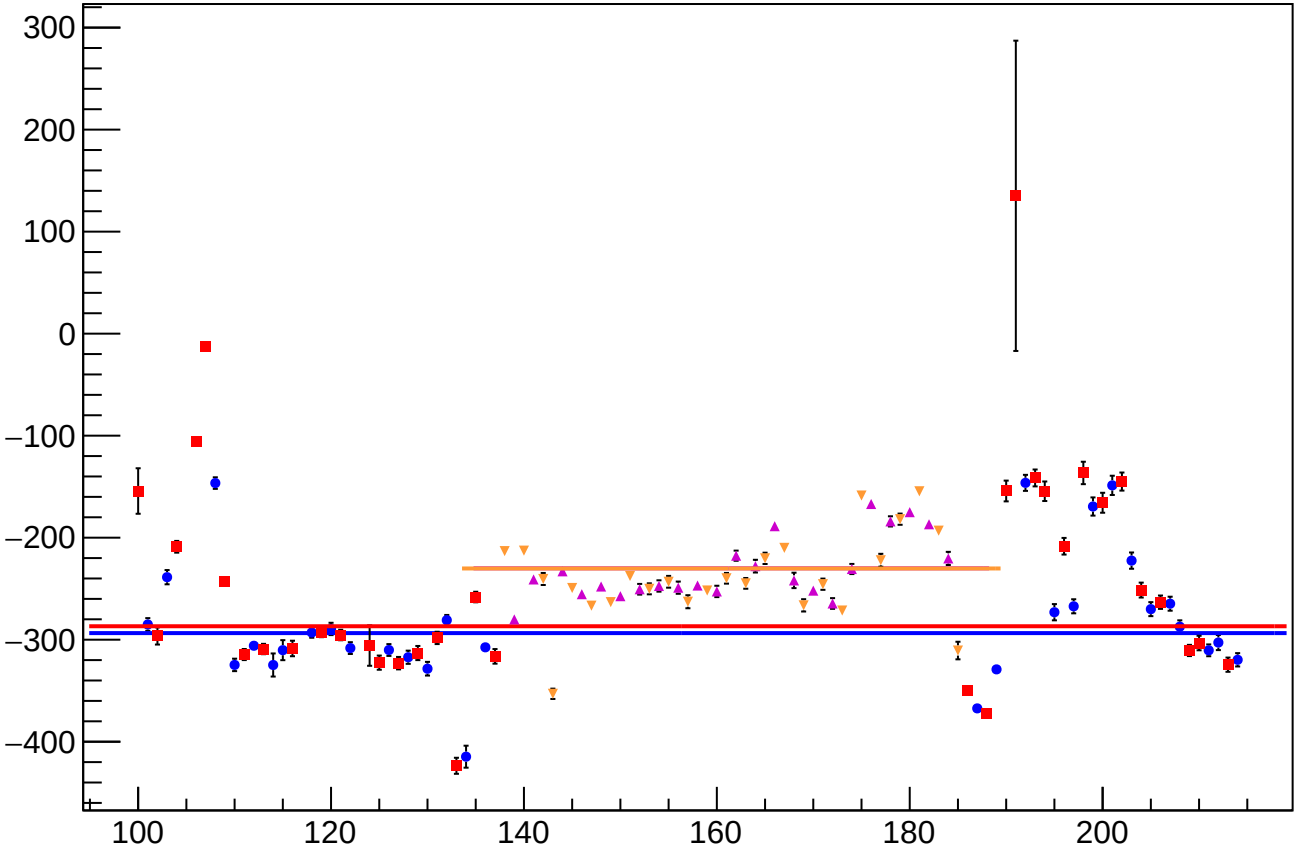
Right: -5.571+/-0.785 χ^2/NDF: 1900.5/63

In: 2.506+/-0.613 χ^2/NDF:1571.9/52

Out: 0.072+/-0.579 χ^2/NDF:1811.7/58

All: 1.221+/-0.421 χ^2/NDF: 3391.9/111

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

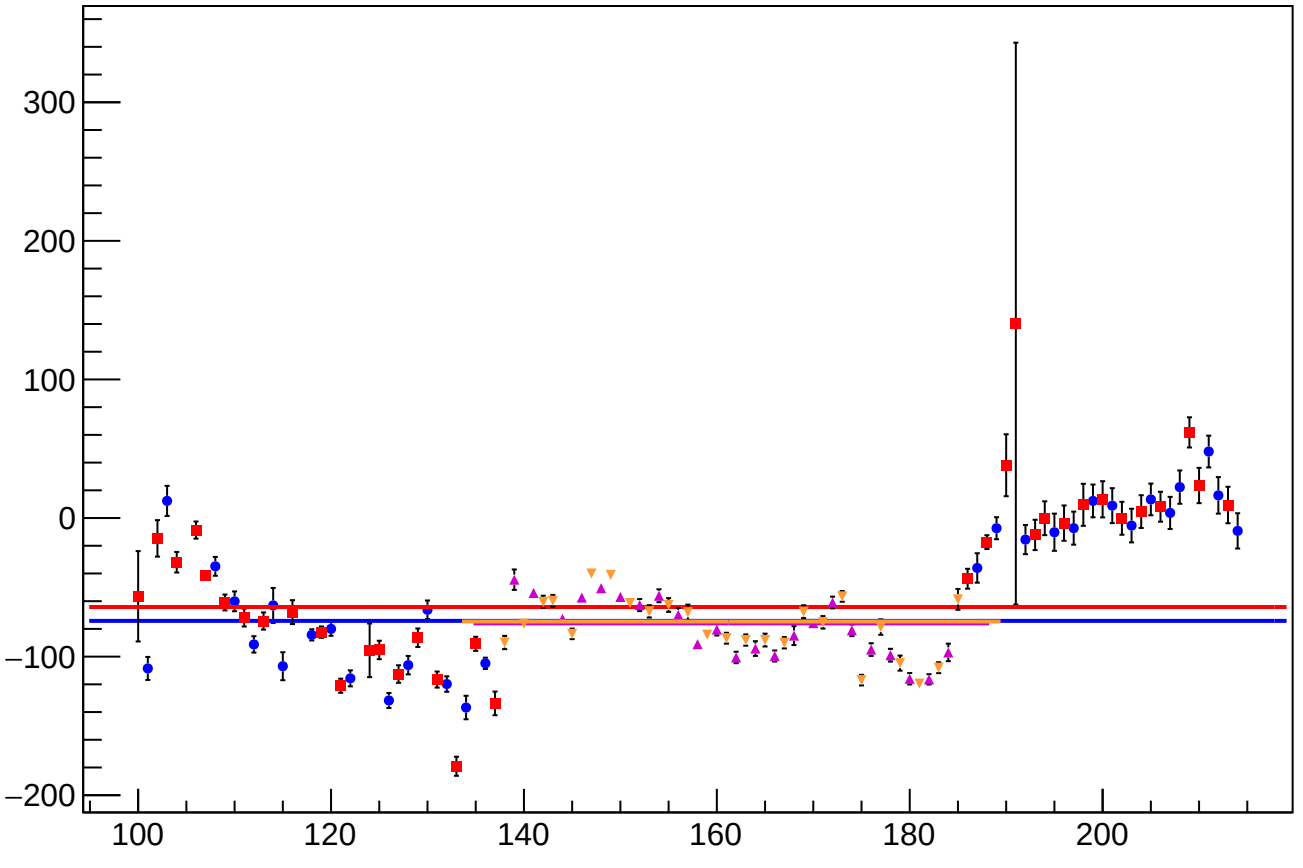
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -289.721+/-0.718 χ^2/NDF: 12403.8/63

In: -257.754+/-0.721 χ^2/NDF:5406.4/52

Out: -258.100+/-0.669 χ^2/NDF:13950.1/58

All: -257.940+/-0.490 χ^2/NDF: 19356.6/111



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

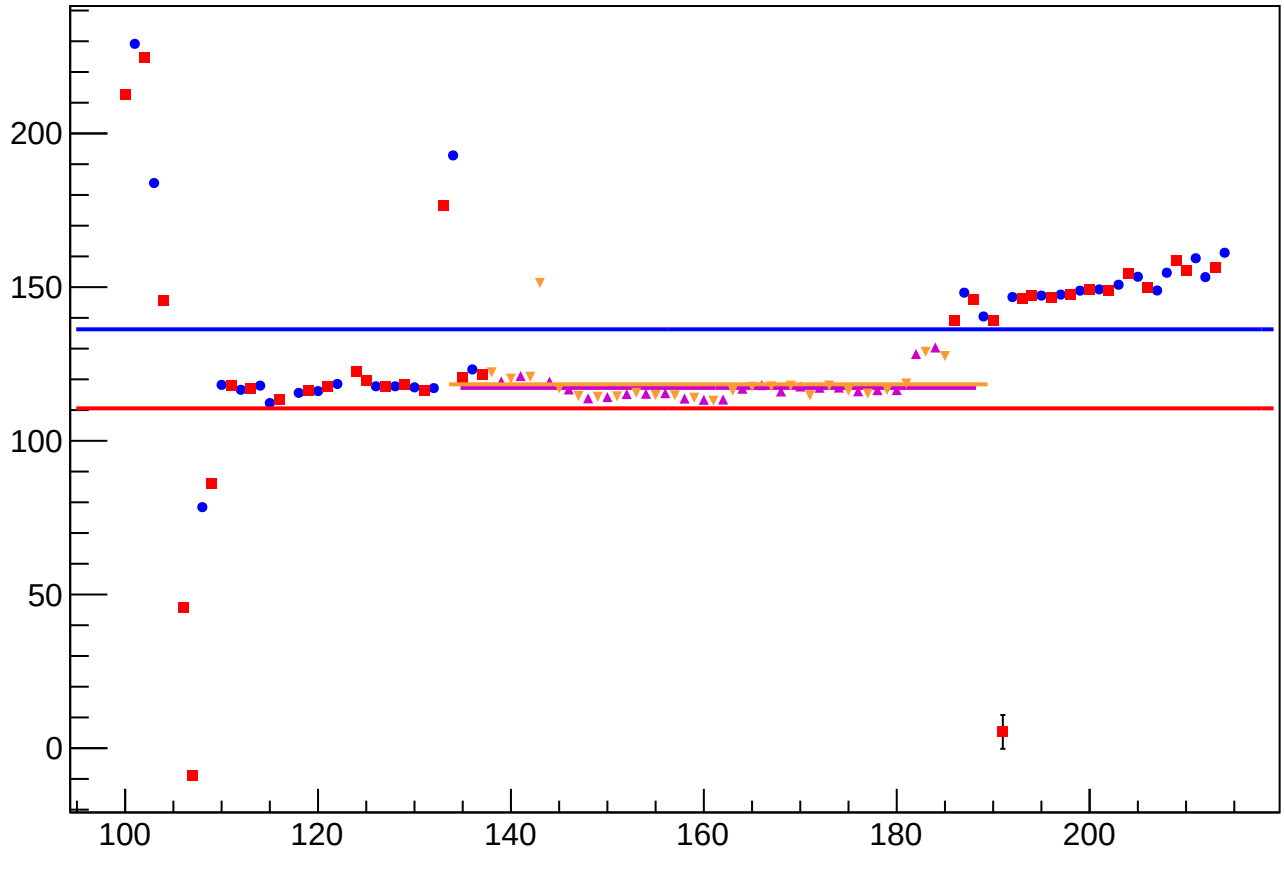
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -68.789+/-0.928 χ^2/NDF: 2611.3/63

In: -75.541+/-0.706 χ^2/NDF:1812.2/52

Out: -71.643+/-0.676 χ^2/NDF:2297.4/58

All: -73.506+/-0.488 χ^2/NDF: 4125.5/111



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

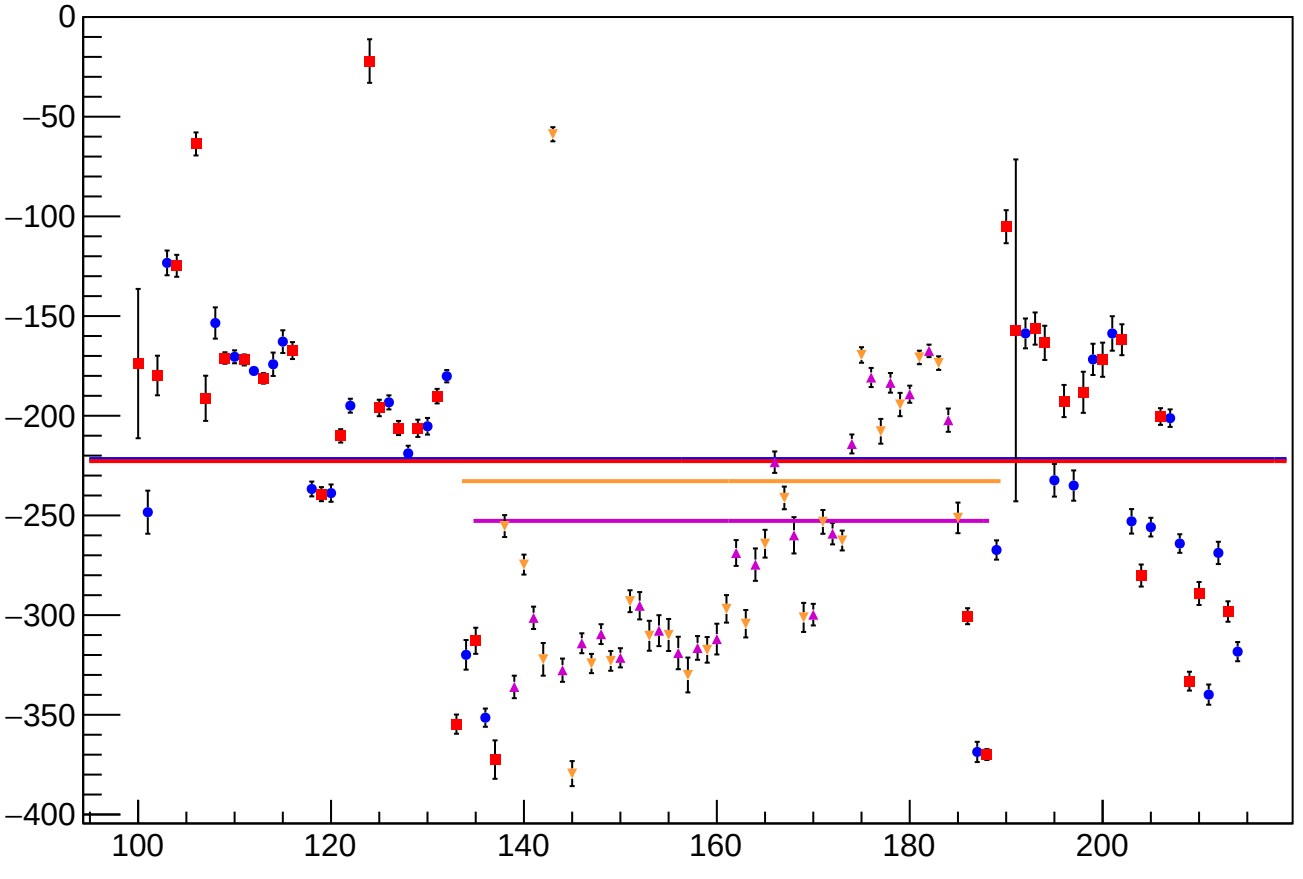
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 122.180+/-0.048 χ^2/NDF: 1058419.1/63

In: 121.407+/-0.033 χ^2/NDF:271242.4/52

Out: 116.418+/-0.032 χ^2/NDF:827640.1/58

All: 118.839+/-0.023 χ^2/NDF: 1110490.7/11



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

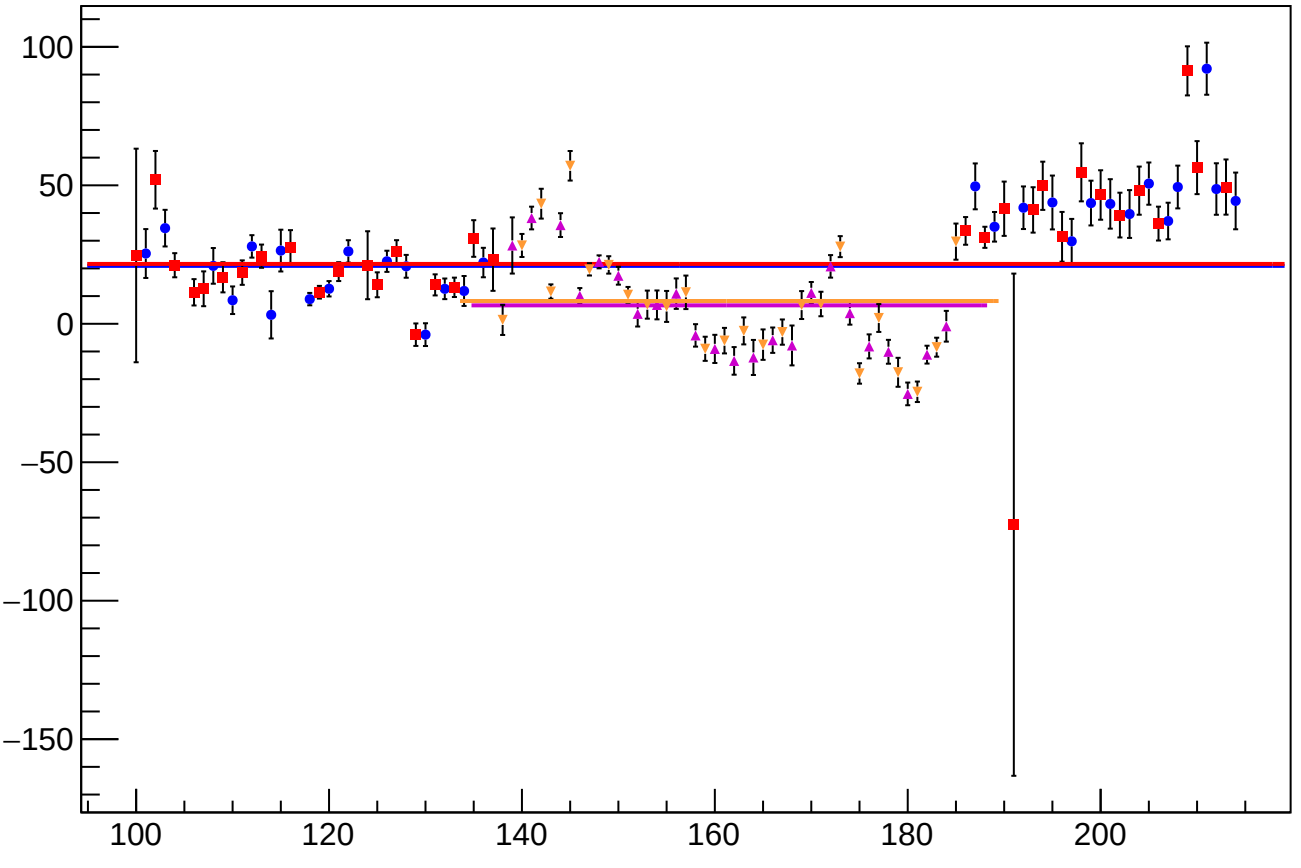
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -222.262+/-0.582 χ^2/NDF: 13346.9/63

In: -232.851+/-0.677 χ^2/NDF:8102.3/52

Out: -226.356+/-0.643 χ^2/NDF:14460.4/58

All: -229.434+/-0.466 χ^2/NDF: 22611.1/111



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

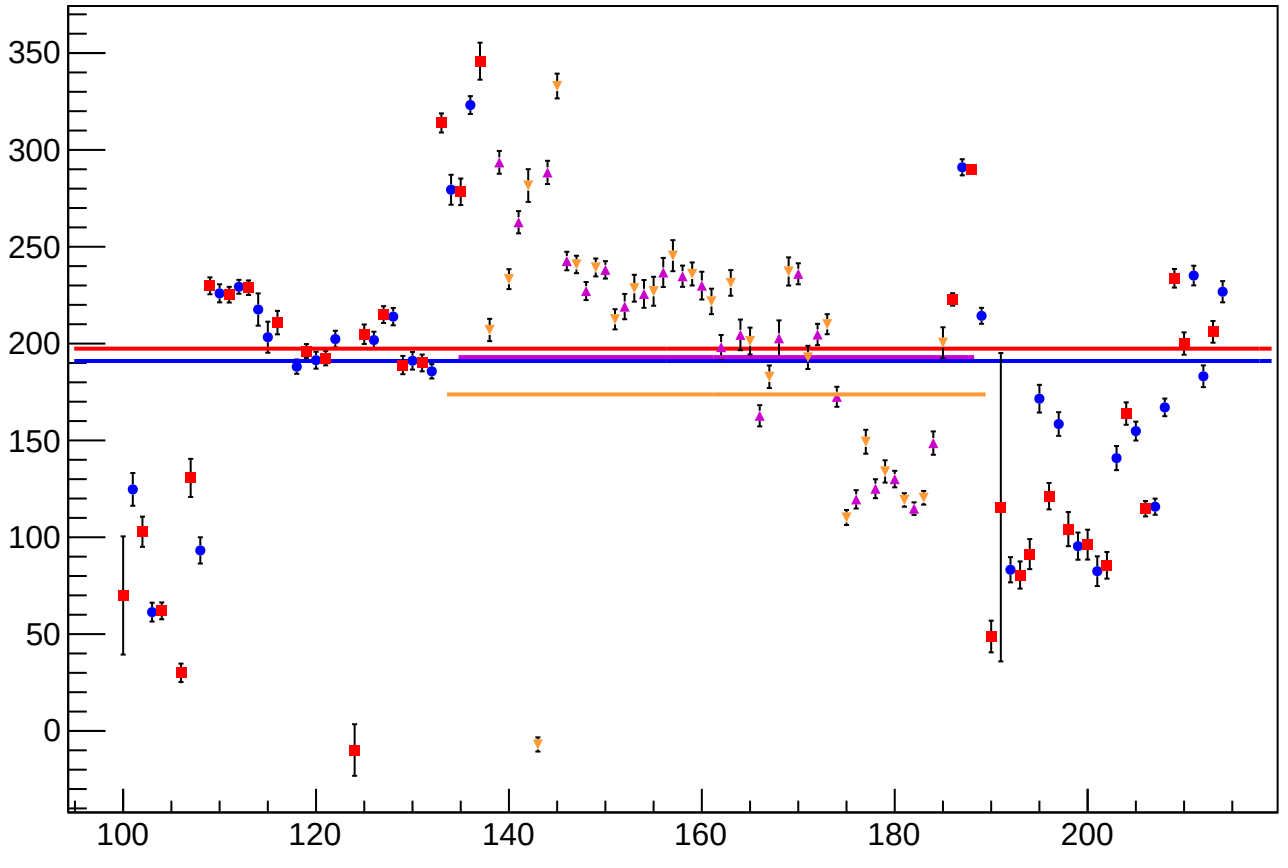
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 21.275+/-0.654 χ^2/NDF: 509.5/63

In: 13.147+/-0.634 χ^2/NDF:741.1/52

Out: 14.065+/-0.603 χ^2/NDF:827.9/58

All: 13.629+/-0.437 χ^2/NDF: 1570.1/111



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

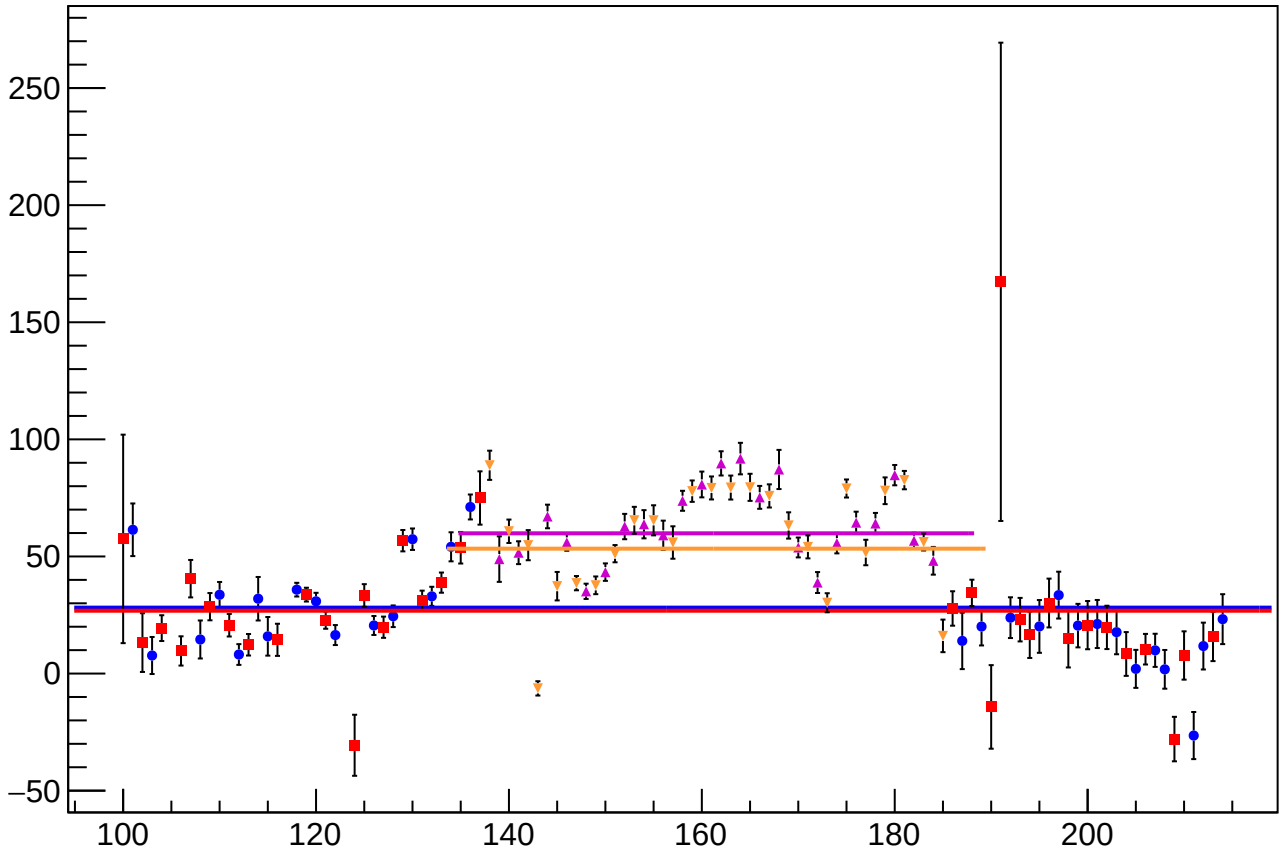
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 194.422+/-0.622 χ^2/NDF: 11685.8/63

In: 191.814+/-0.708 χ^2/NDF:6561.7/52

Out: 188.215+/-0.666 χ^2/NDF:13172.0/58

All: 189.903+/-0.485 χ^2/NDF: 19747.5/111



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

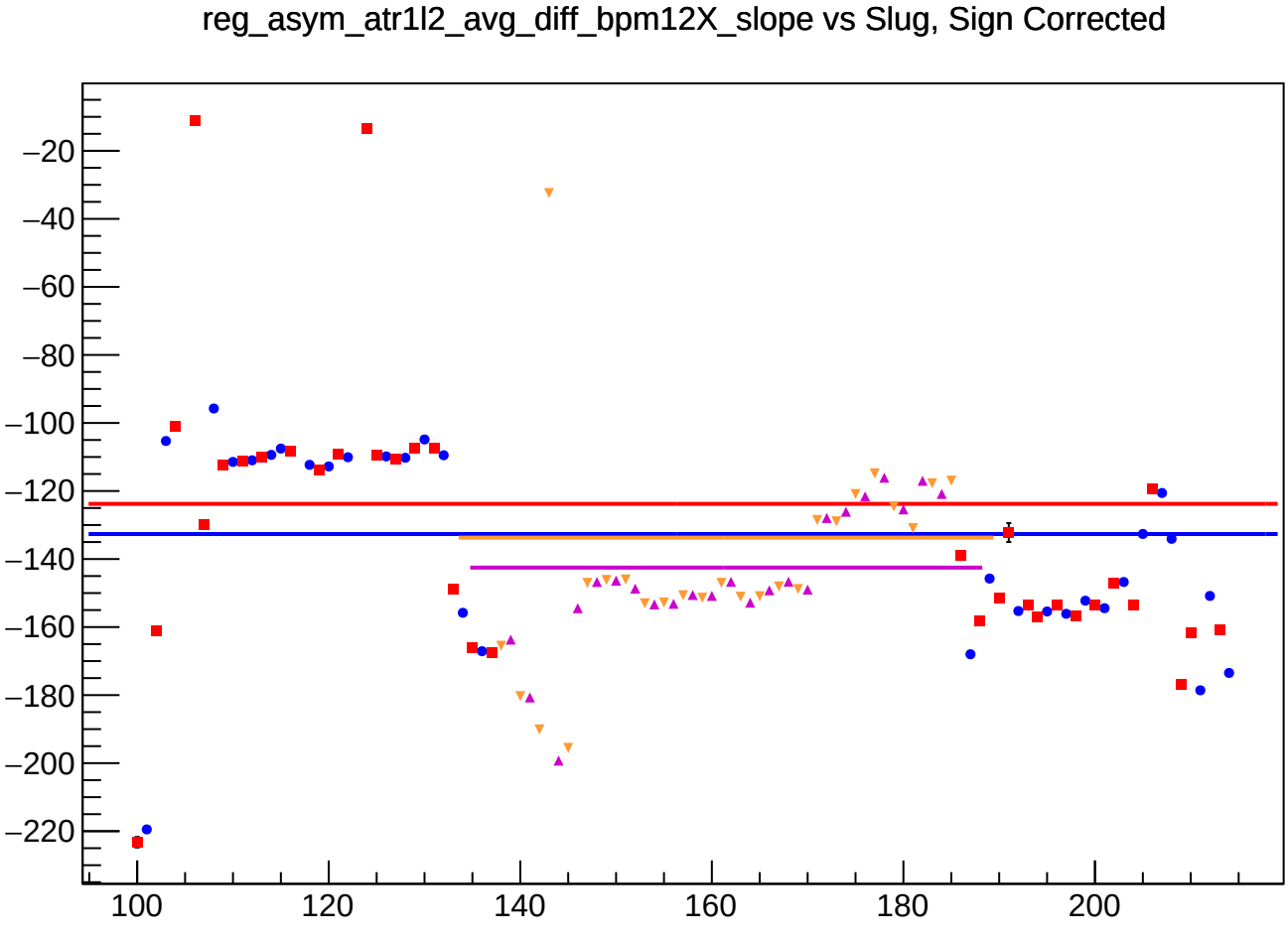
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 27.479+/-0.764 χ^2/NDF: 457.4/63

In: 45.768+/-0.728 χ^2/NDF:972.1/52

Out: 42.035+/-0.698 χ^2/NDF:1336.6/58

All: 43.823+/-0.504 χ^2/NDF: 2322.3/111



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

Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

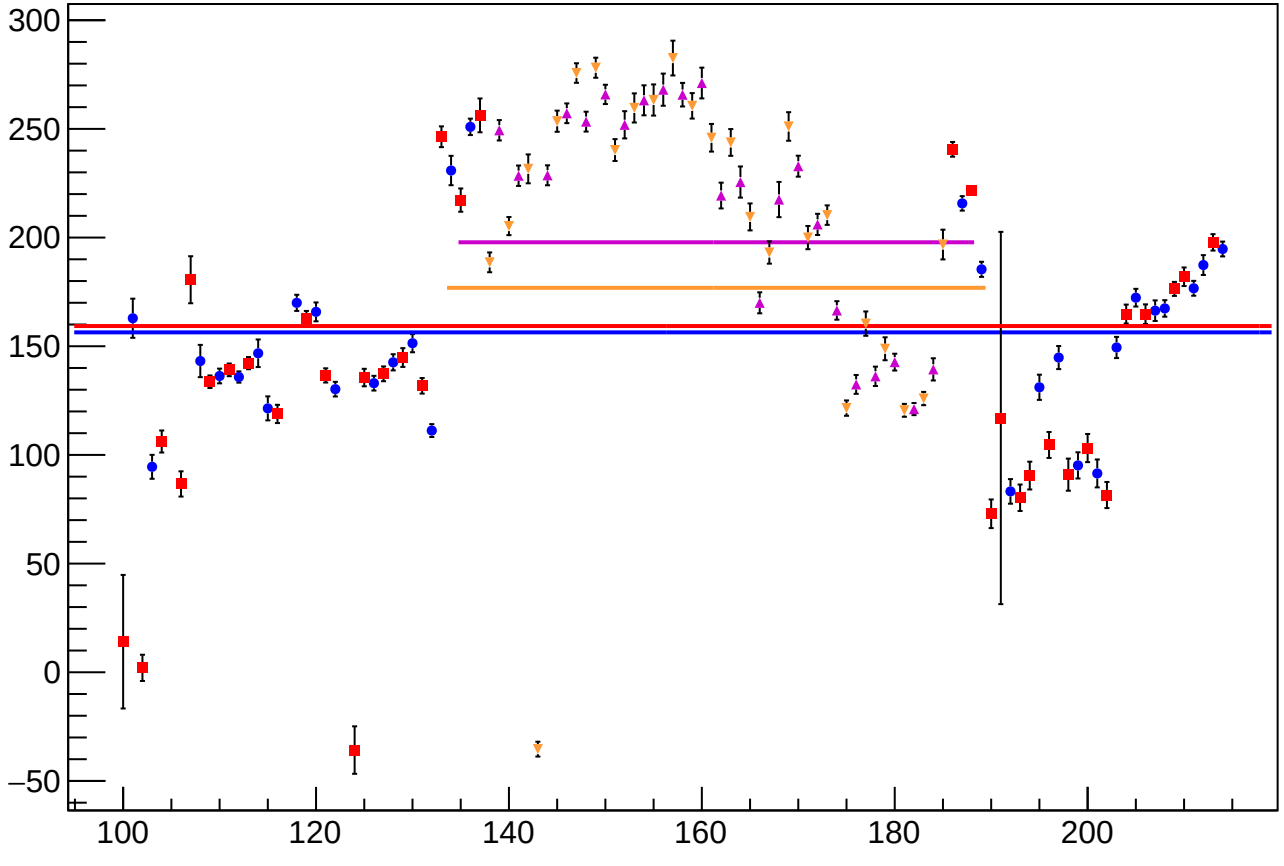
Right: -128.035+/-0.042 χ^2/NDF: 725482.4/63

In: -139.017+/-0.036 χ^2/NDF:387510.5/52

Out: -130.170+/-0.034 χ^2/NDF:1217658.8/58

All: -134.427+/-0.025 χ^2/NDF: 1637067.1/11

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

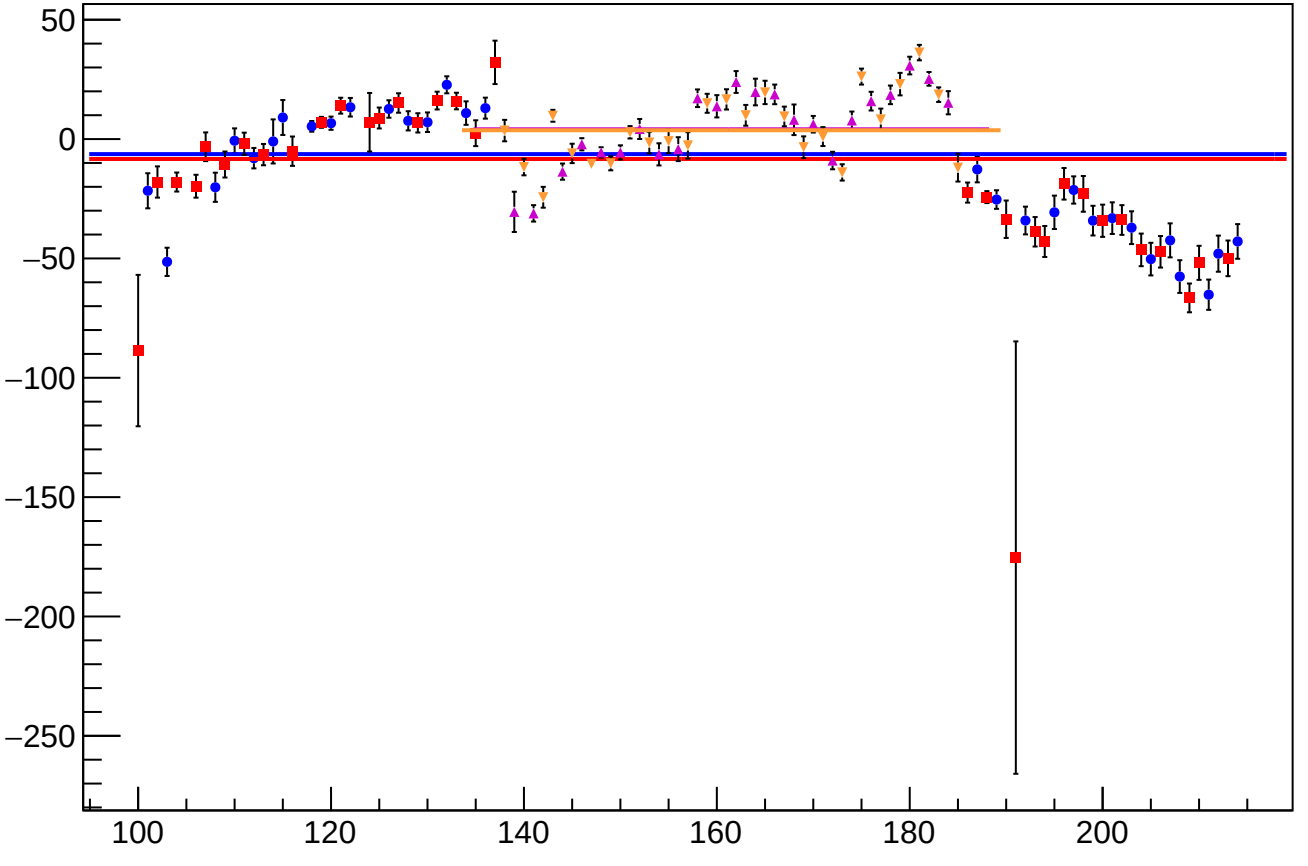
Right: 157.930+/-0.518 χ^2/NDF: 7600.2/63

In: 171.338+/-0.604 χ^2/NDF:6464.4/52

Out: 165.538+/-0.570 χ^2/NDF:12822.9/58

All: 168.271+/-0.415 χ^2/NDF: 19336.0/111

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

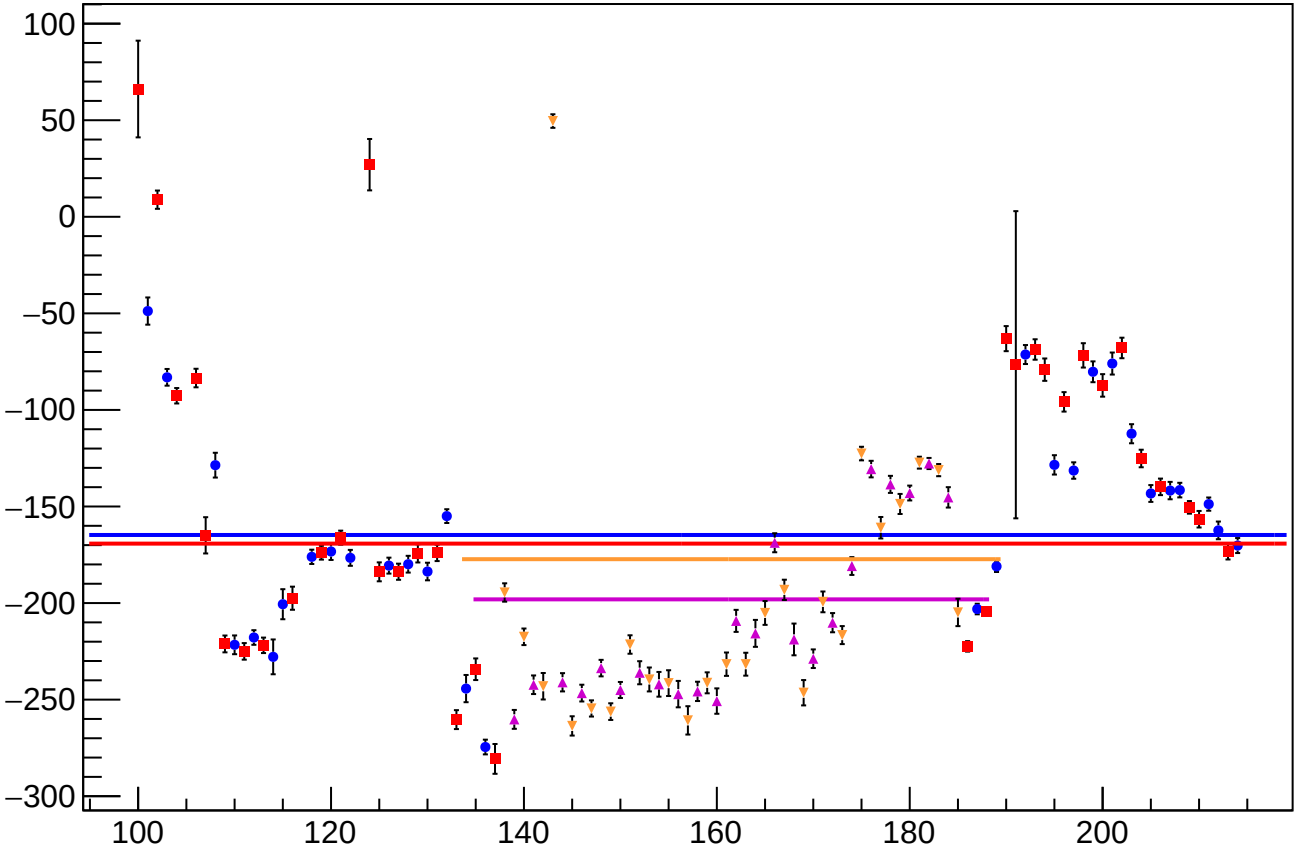
Right: -7.364+/-0.599 χ^2/NDF: 1363.6/63

In: -0.483+/-0.575 χ^2/NDF:1163.9/52

Out: -1.504+/-0.545 χ^2/NDF:1197.3/58

All: -1.021+/-0.395 χ^2/NDF: 2362.9/111

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

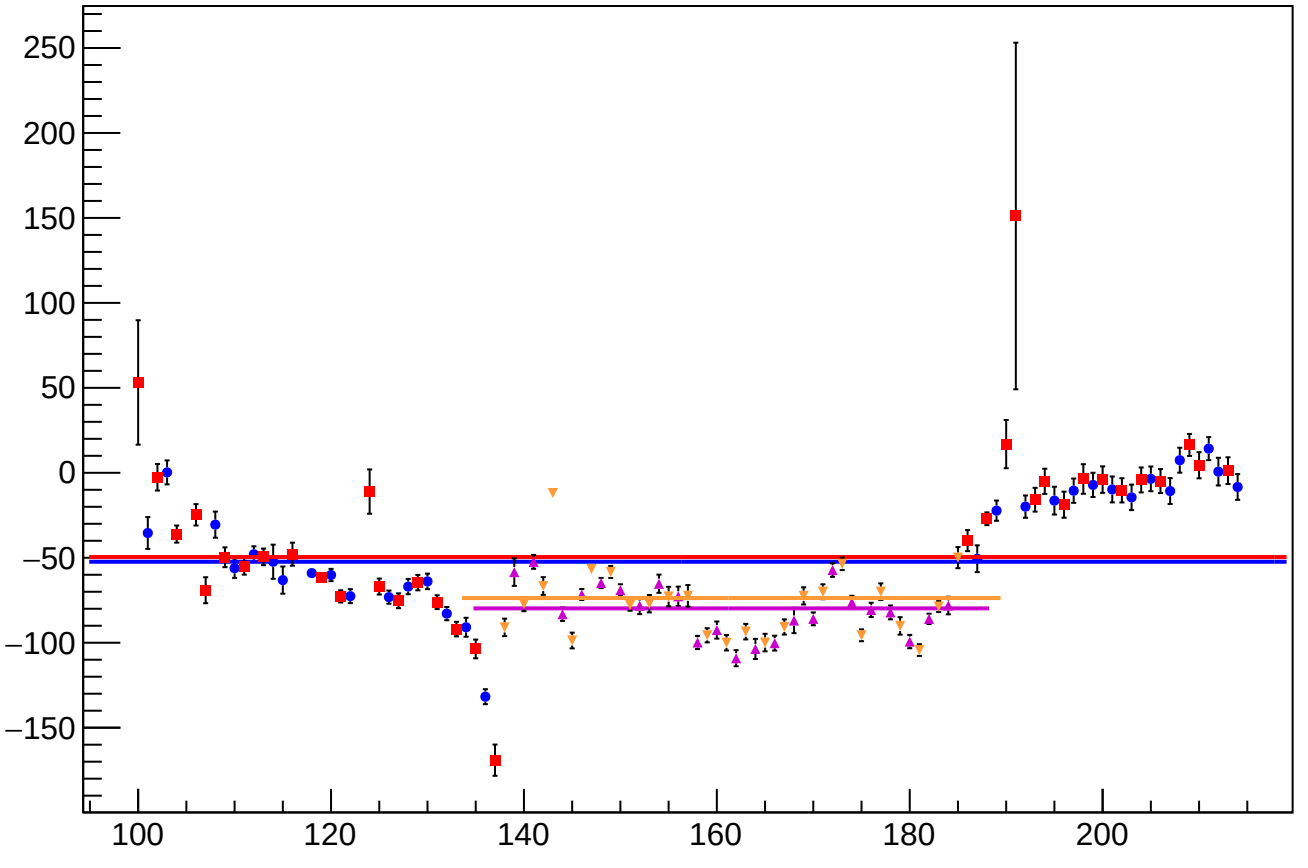
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -167.200+/-0.529 χ^2/NDF: 10219.0/63

In: -177.488+/-0.618 χ^2/NDF:6580.7/52

Out: -172.109+/-0.572 χ^2/NDF:13779.1/58

All: -174.591+/-0.420 χ^2/NDF: 20400.6/111



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

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

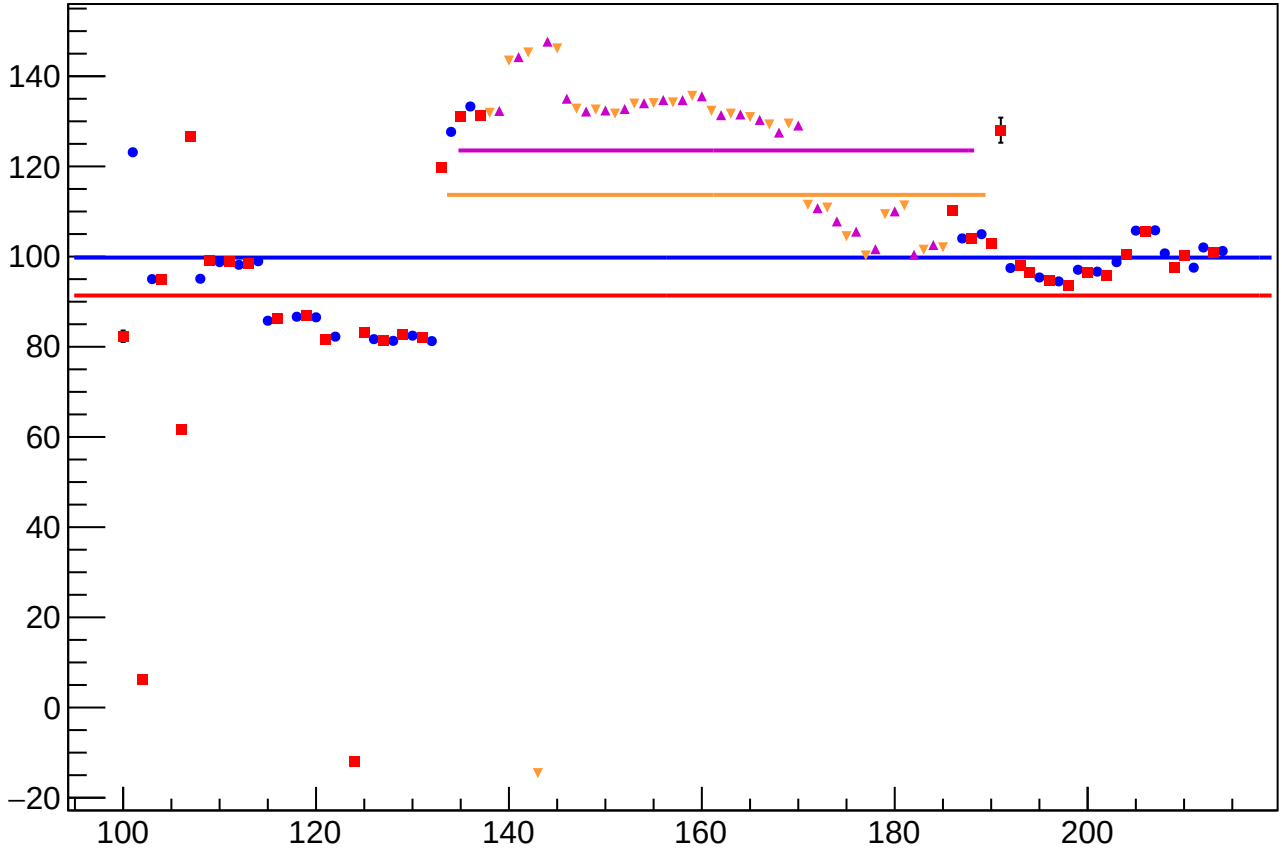
Right: -50.919+/-0.704 χ^2/NDF: 2214.7/63

In: -68.014+/-0.661 χ^2/NDF:1798.0/52

Out: -63.663+/-0.633 χ^2/NDF:2304.8/58

All: -65.747+/-0.457 χ^2/NDF: 4125.4/111

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

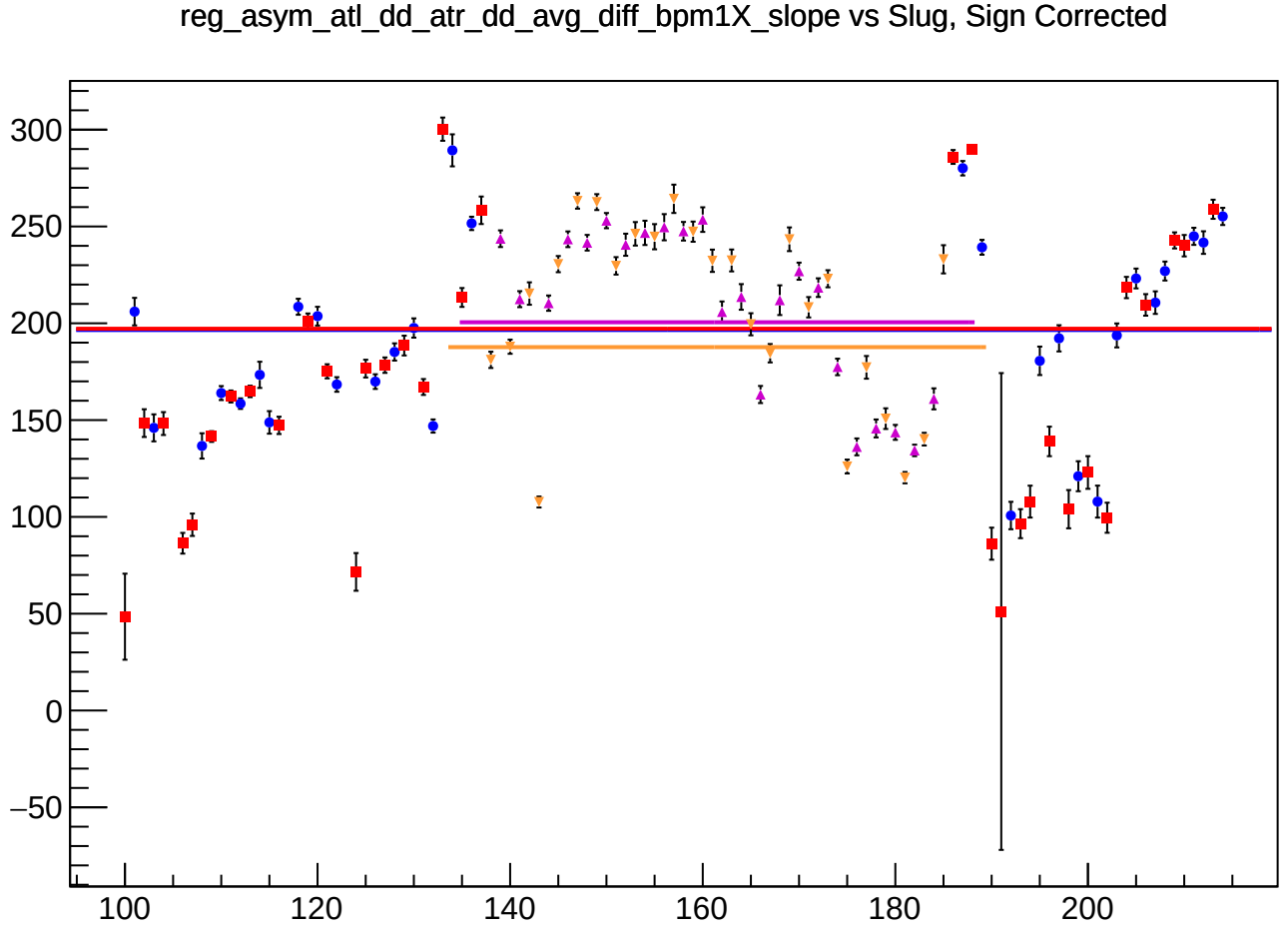
Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

Right: 95.353+/-0.036 χ^2/NDF: 373416.0/63

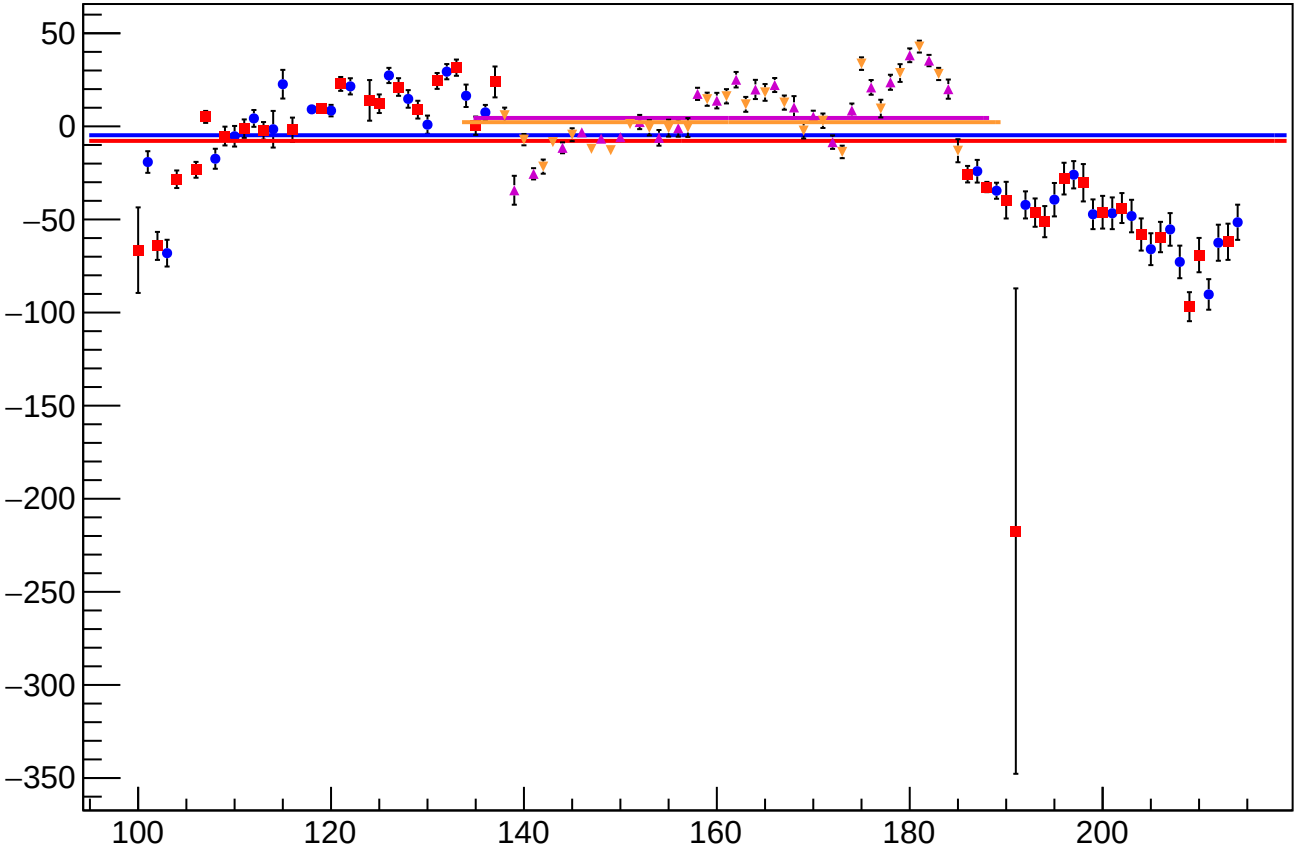
In: 114.808+/-0.032 χ^2/NDF:336899.4/52

Out: 105.264+/-0.030 χ^2/NDF:1380367.9/58

All: 109.844+/-0.022 χ^2/NDF: 1764986.1/111


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: 196.525+/-0.864 χ²/NDF: 2650.8/29
Left Out: 187.681+/-0.898 χ²/NDF:3528.3/24
Right Out: 197.179+/-0.792 χ²/NDF: 6371.3/33
Left In: 200.521+/-0.955 χ²/NDF:2111.4/22
Left: 193.703+/-0.654 χ²/NDF: 5735.7/47
Right: 196.880+/-0.584 χ²/NDF: 9022.4/63
In: 198.324+/-0.641 χ²/NDF:4771.8/52
Out: 193.022+/-0.594 χ²/NDF:9962.6/58
All: 195.472+/-0.436 χ²/NDF: 14771.2/111

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

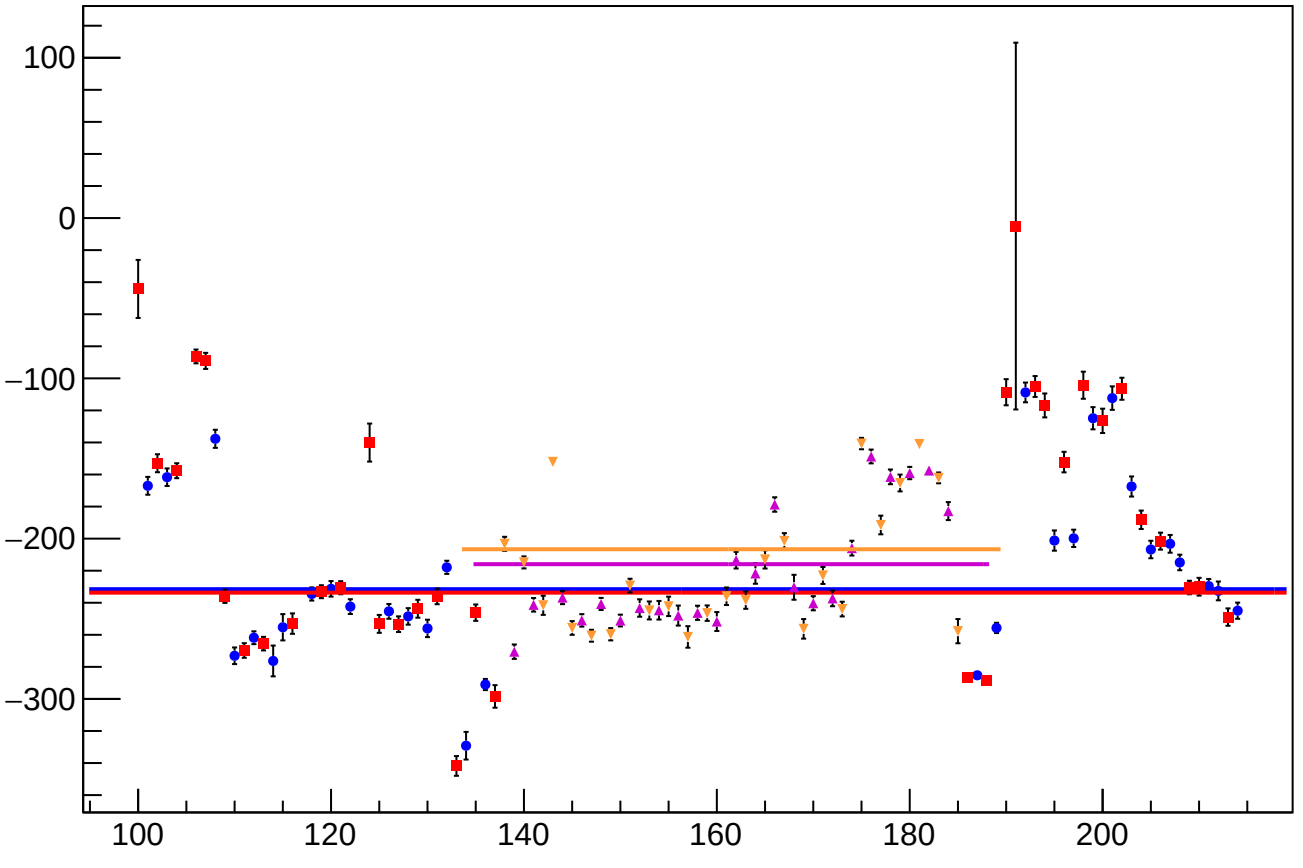
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

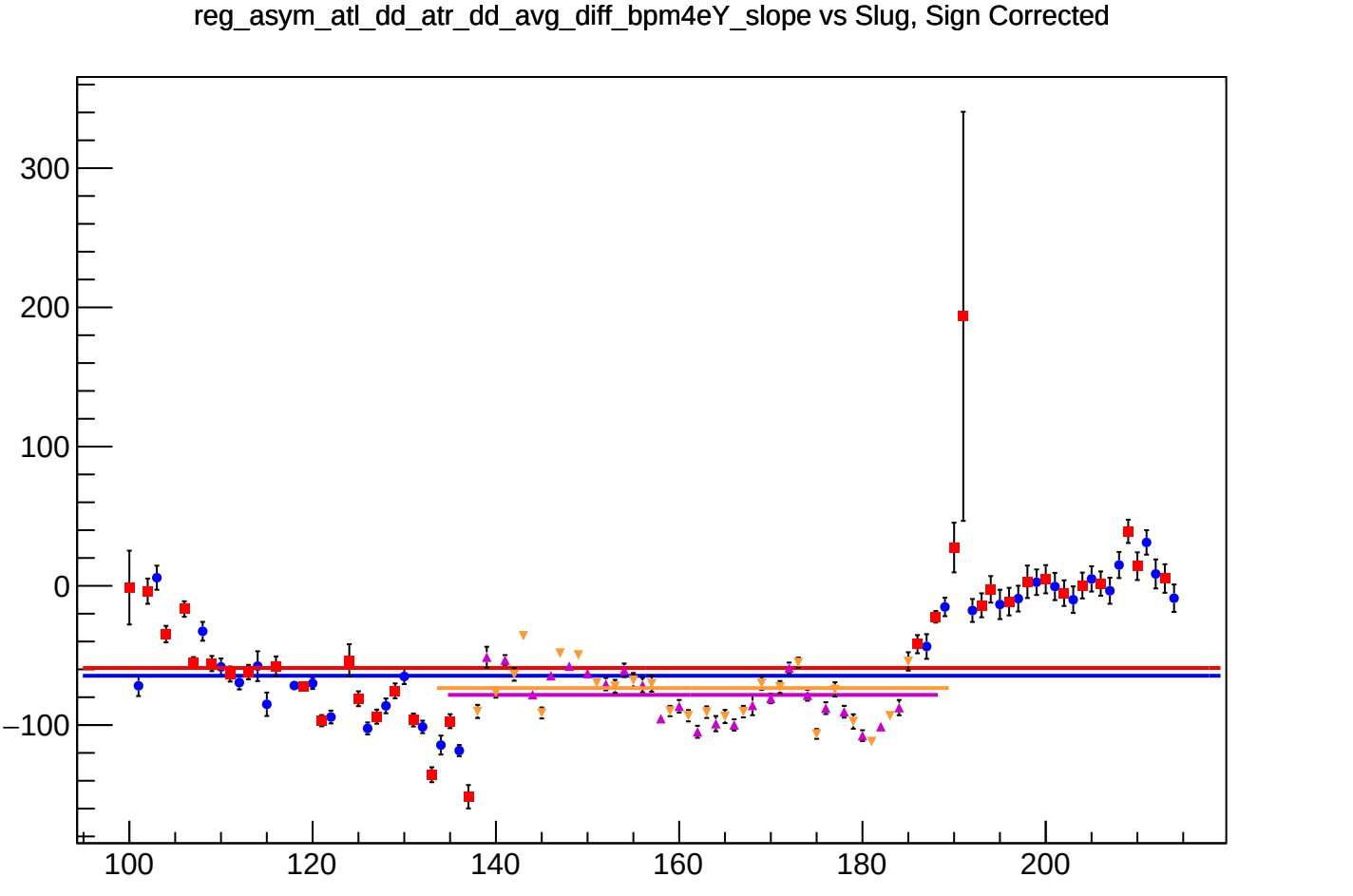
Right: -6.400+/-0.661 χ^2/NDF: 1812.9/63

In: 1.262+/-0.576 χ^2/NDF:1467.7/52

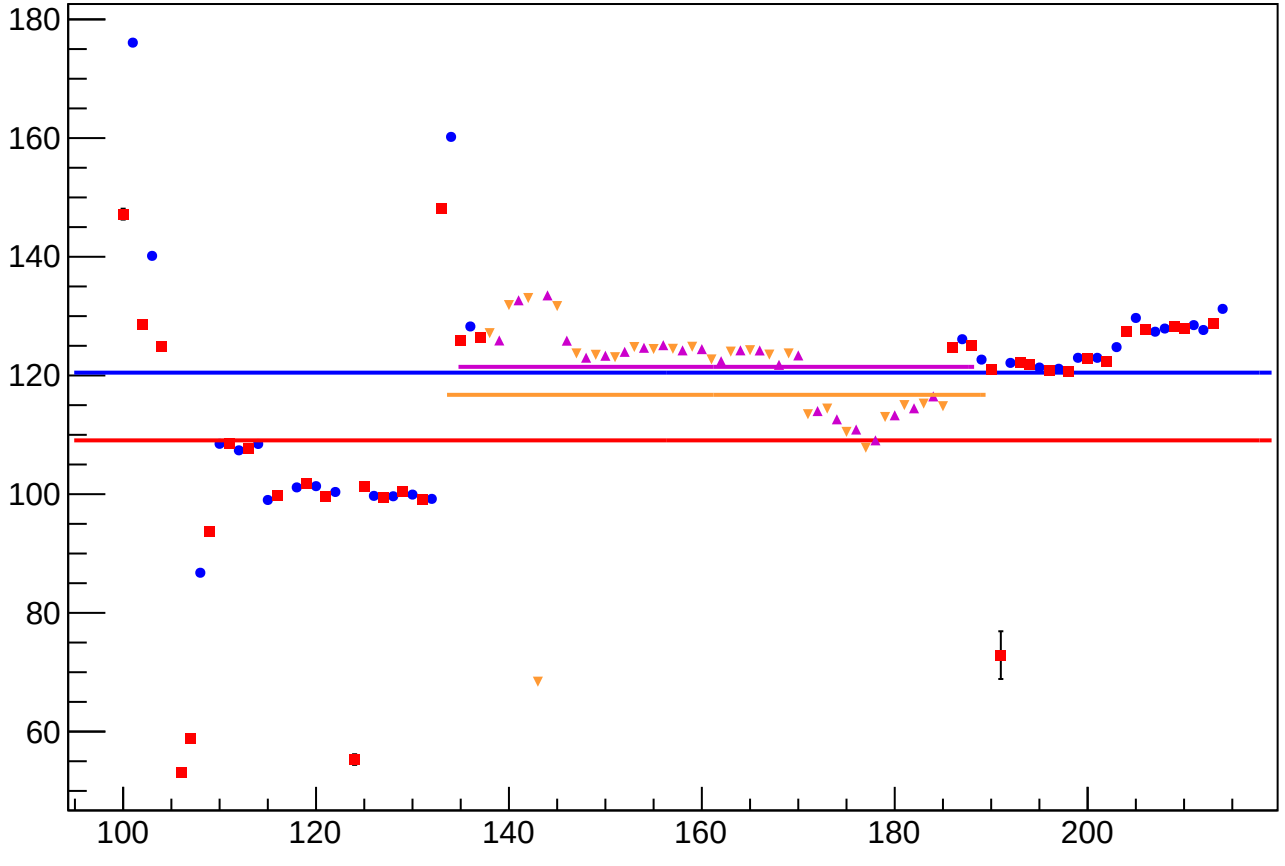
Out: -1.291+/-0.535 χ^2/NDF:1627.5/58

All: -0.108+/-0.392 χ^2/NDF: 3105.8/111


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
200
Right In: -231.527+/-0.903 χ²/NDF: 2690.5/29
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -233.692+/-0.800 χ²/NDF: 6668.3/33
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -232.740+/-0.599 χ²/NDF: 9362.0/63
In: -224.096+/-0.653 χ²/NDF:4544.6/52
Out: -221.669+/-0.596 χ²/NDF:9645.1/58
All: -222.772+/-0.440 χ²/NDF: 14197.2/111


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
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
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -61.632+/-0.780 χ²/NDF: 2569.8/63
In: -73.639+/-0.663 χ²/NDF:1733.9/52
Out: -68.548+/-0.624 χ²/NDF:2319.1/58
All: -70.938+/-0.455 χ²/NDF: 4084.2/111

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

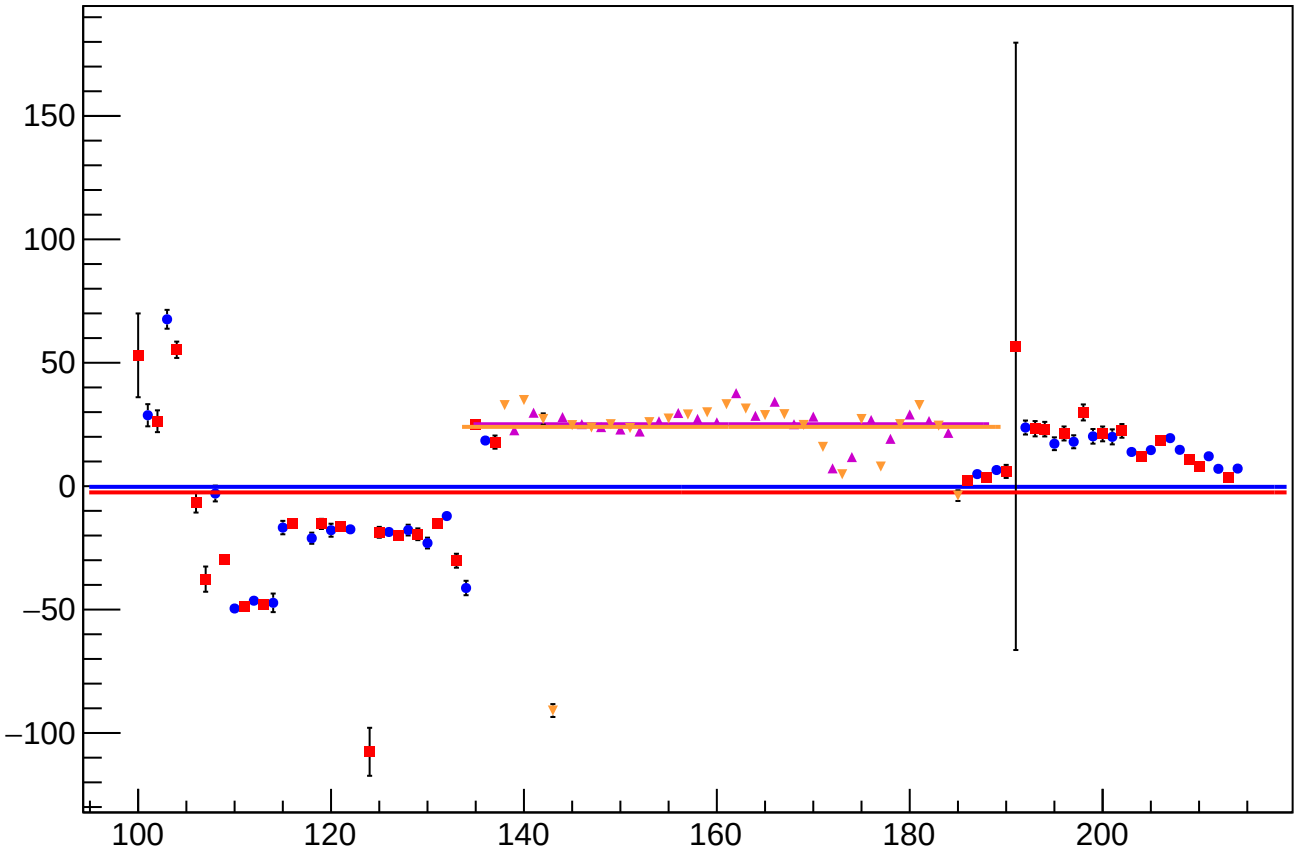
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.298+/-0.040 χ^2/NDF: 332960.8/63

In: 121.181+/-0.032 χ^2/NDF:128450.3/52

Out: 114.449+/-0.030 χ^2/NDF:431045.2/58

All: 117.639+/-0.022 χ^2/NDF: 583364.7/111



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

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

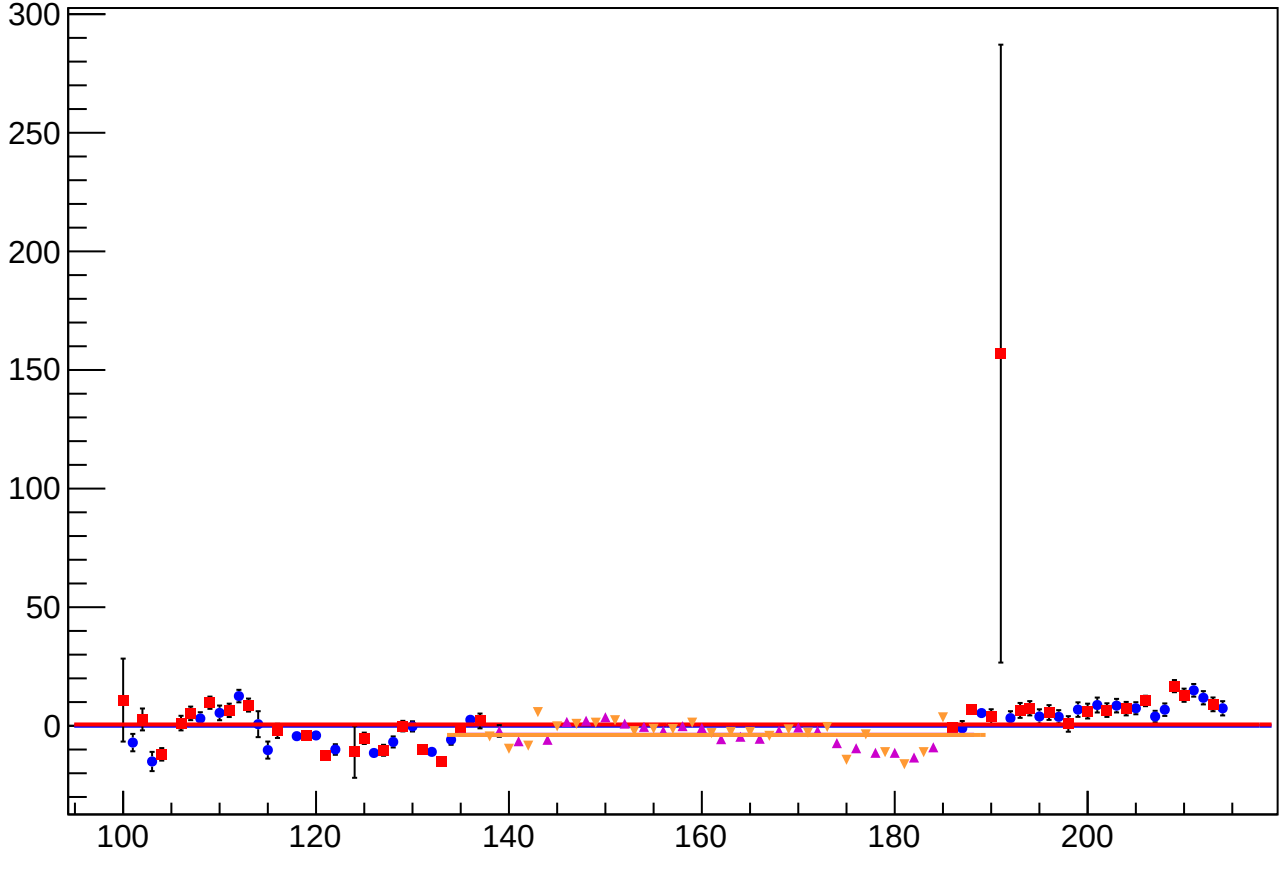
Right: -1.439+/-0.254 χ^2/NDF: 7613.1/63

In: 15.429+/-0.226 χ^2/NDF:7169.4/52

Out: 13.689+/-0.220 χ^2/NDF:10142.1/58

All: 14.537+/-0.158 χ^2/NDF: 17341.9/111

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

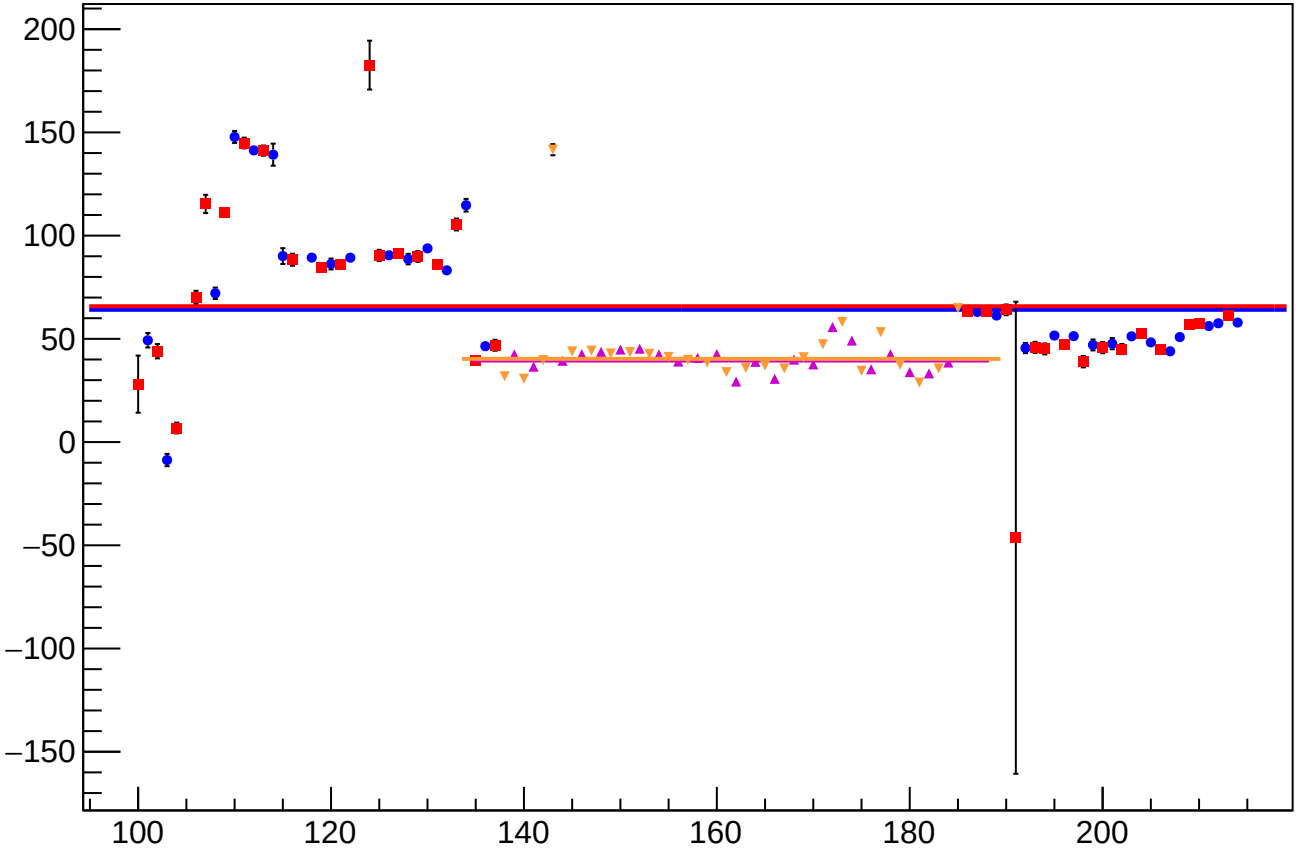
Right: 0.307+/-0.307 χ^2/NDF: 630.2/63

In: -3.001+/-0.199 χ^2/NDF:843.4/52

Out: -2.936+/-0.194 χ^2/NDF:1089.2/58

All: -2.968+/-0.139 χ^2/NDF: 1932.7/111

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

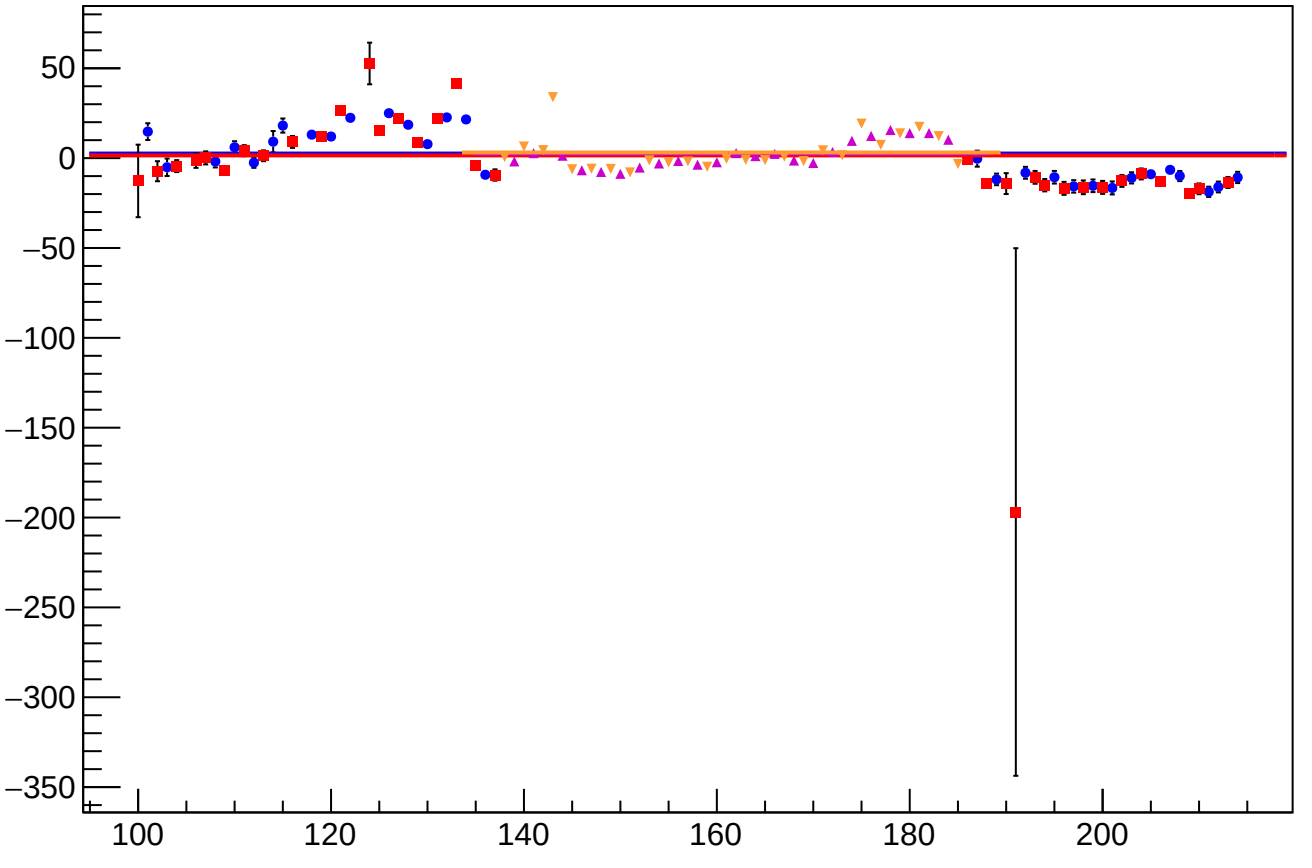
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.993+/-0.257 χ^2/NDF: 9520.6/63

In: 48.458+/-0.227 χ^2/NDF:7821.6/52

Out: 50.185+/-0.219 χ^2/NDF:10221.1/58

All: 49.351+/-0.158 χ^2/NDF: 18072.7/111



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

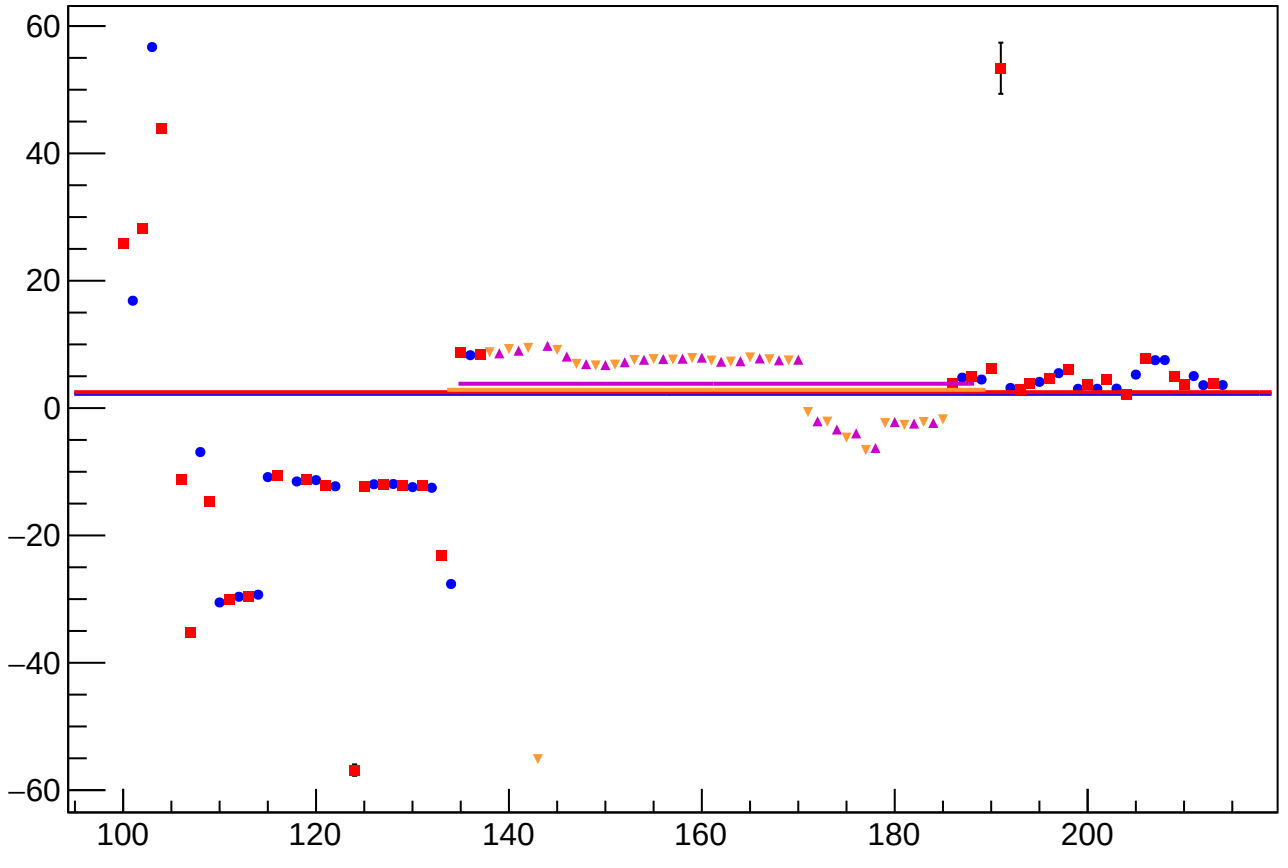
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 2.031+/-0.355 χ^2/NDF: 1851.0/63

In: 2.525+/-0.225 χ^2/NDF:1790.9/52

Out: 2.827+/-0.220 χ^2/NDF:2301.7/58

All: 2.679+/-0.157 χ^2/NDF: 4093.5/111



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

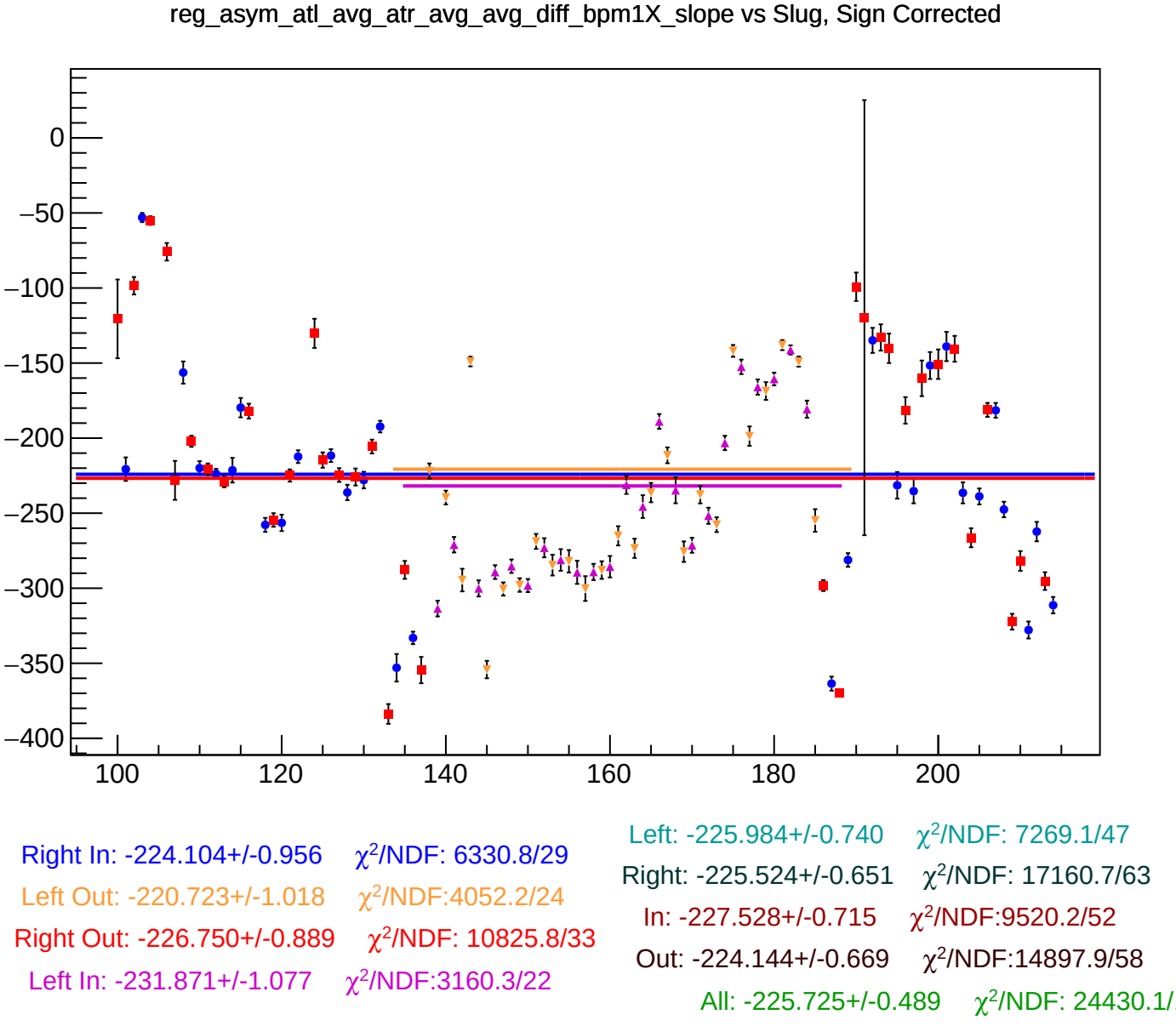
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 2.369+/-0.017 χ^2/NDF: 713817.1/63

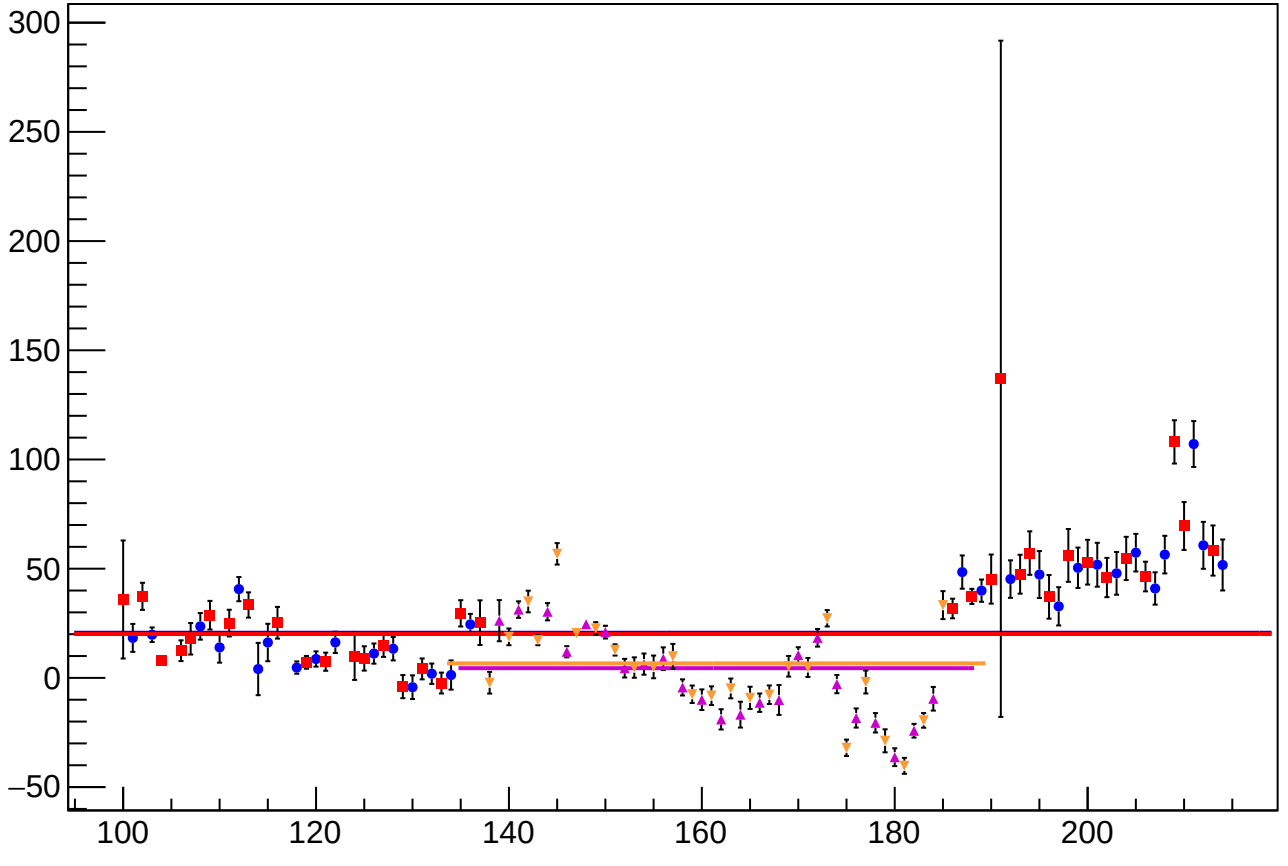
In: 3.542+/-0.010 χ^2/NDF:619865.1/52

Out: 2.805+/-0.010 χ^2/NDF:843285.5/58

All: 3.171+/-0.007 χ^2/NDF: 1465852.2/111


reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
−350
−400
100
120
140
160
180
200
Right In: -224.104+/-0.956 χ²/NDF: 6330.8/29
Left Out: -220.723+/-1.018 χ²/NDF:4052.2/24
Right Out: -226.750+/-0.889 χ²/NDF: 10825.8/33
Left In: -231.871+/-1.077 χ²/NDF:3160.3/22
Left: -225.984+/-0.740 χ²/NDF: 7269.1/47
Right: -225.524+/-0.651 χ²/NDF: 17160.7/63
In: -227.528+/-0.715 χ²/NDF:9520.2/52
Out: -224.144+/-0.669 χ²/NDF:14897.9/58
All: -225.725+/-0.489 χ²/NDF: 24430.1/111

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

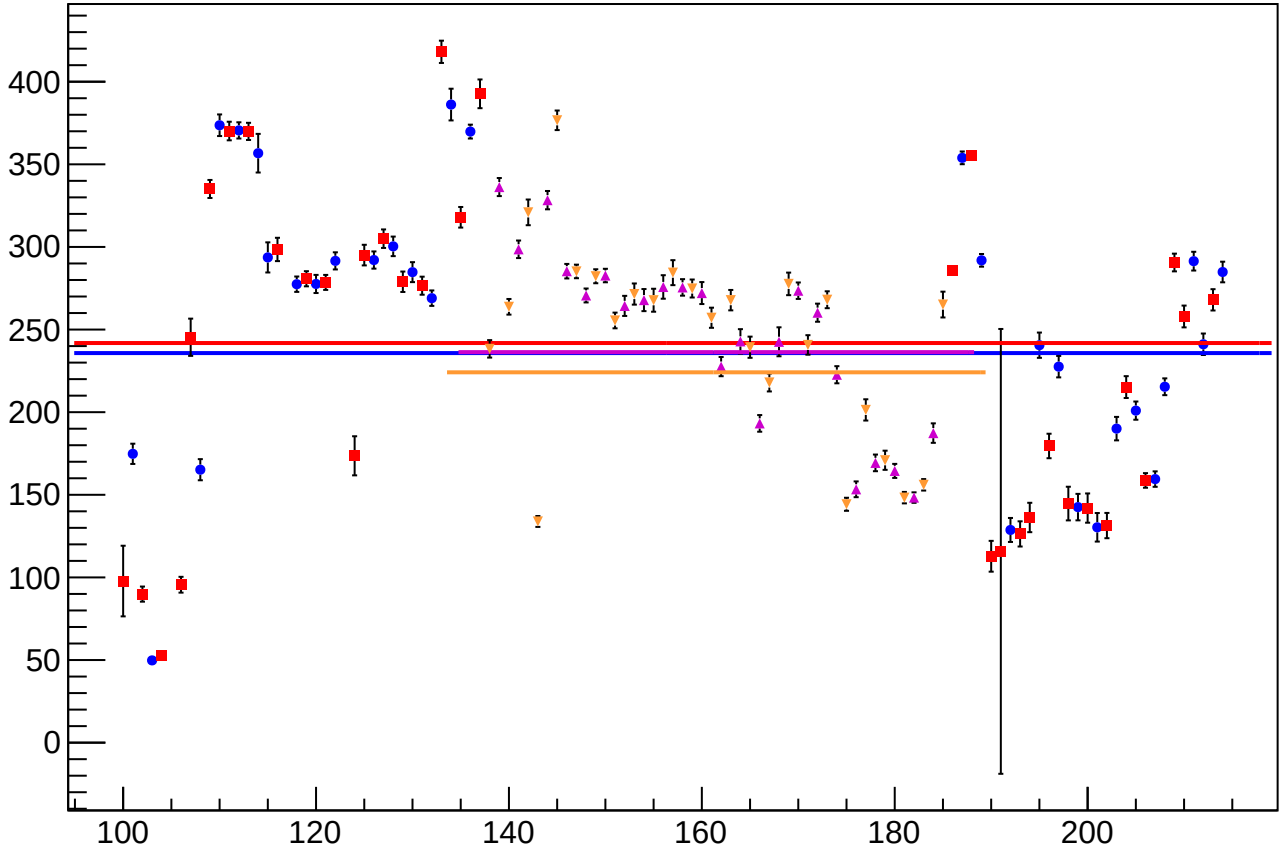
Right: 20.350+/-0.718 χ^2/NDF: 683.6/63

In: 10.377+/-0.643 χ^2/NDF:1031.4/52

Out: 11.669+/-0.595 χ^2/NDF:1221.1/58

All: 11.073+/-0.437 χ^2/NDF: 2254.7/111

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

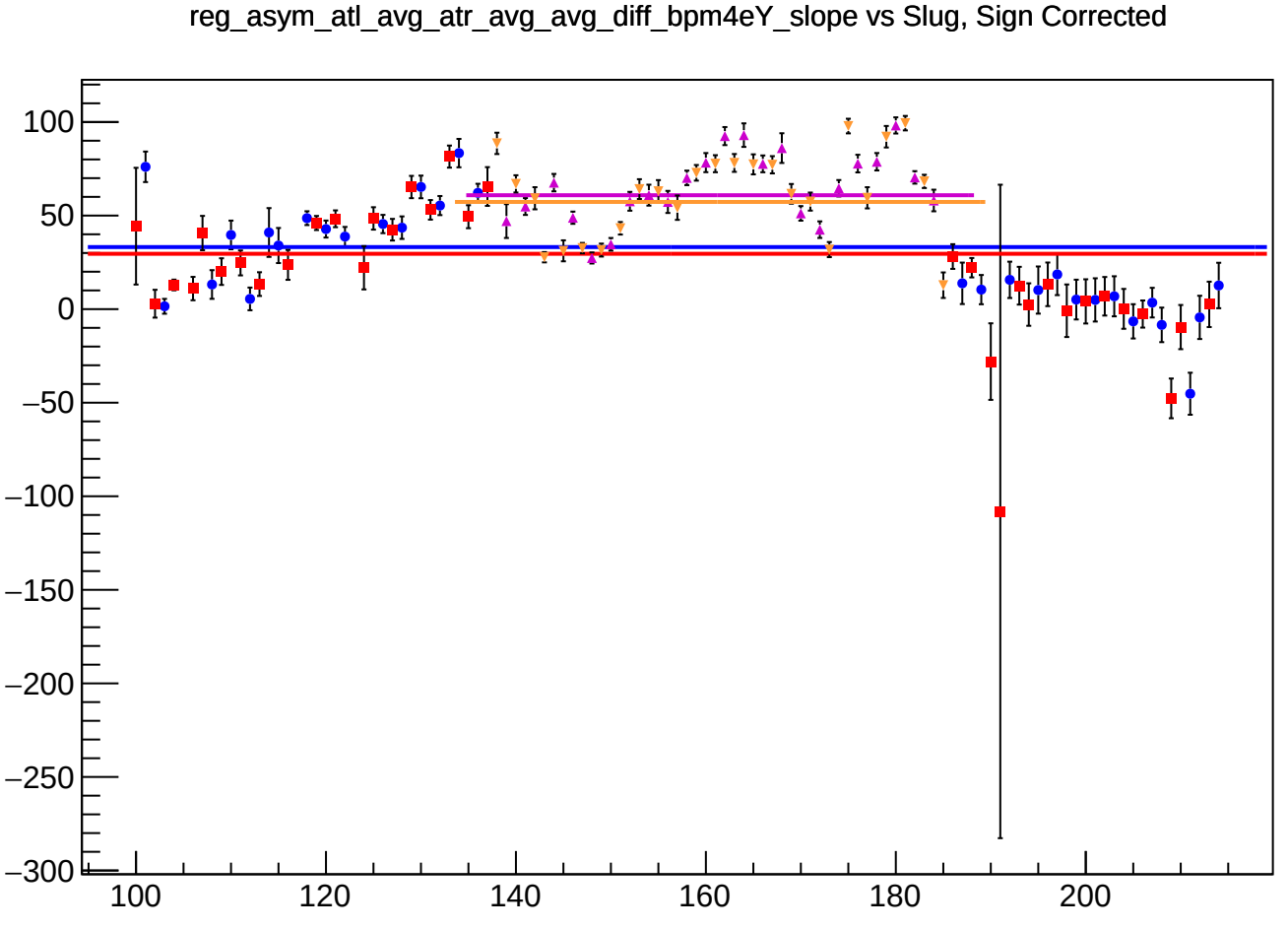
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 239.127+/-0.646 χ^2/NDF: 28678.2/63

In: 236.027+/-0.716 χ^2/NDF:14571.0/52

Out: 234.334+/-0.660 χ^2/NDF:21221.3/58

All: 235.112+/-0.485 χ^2/NDF: 35795.3/111



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

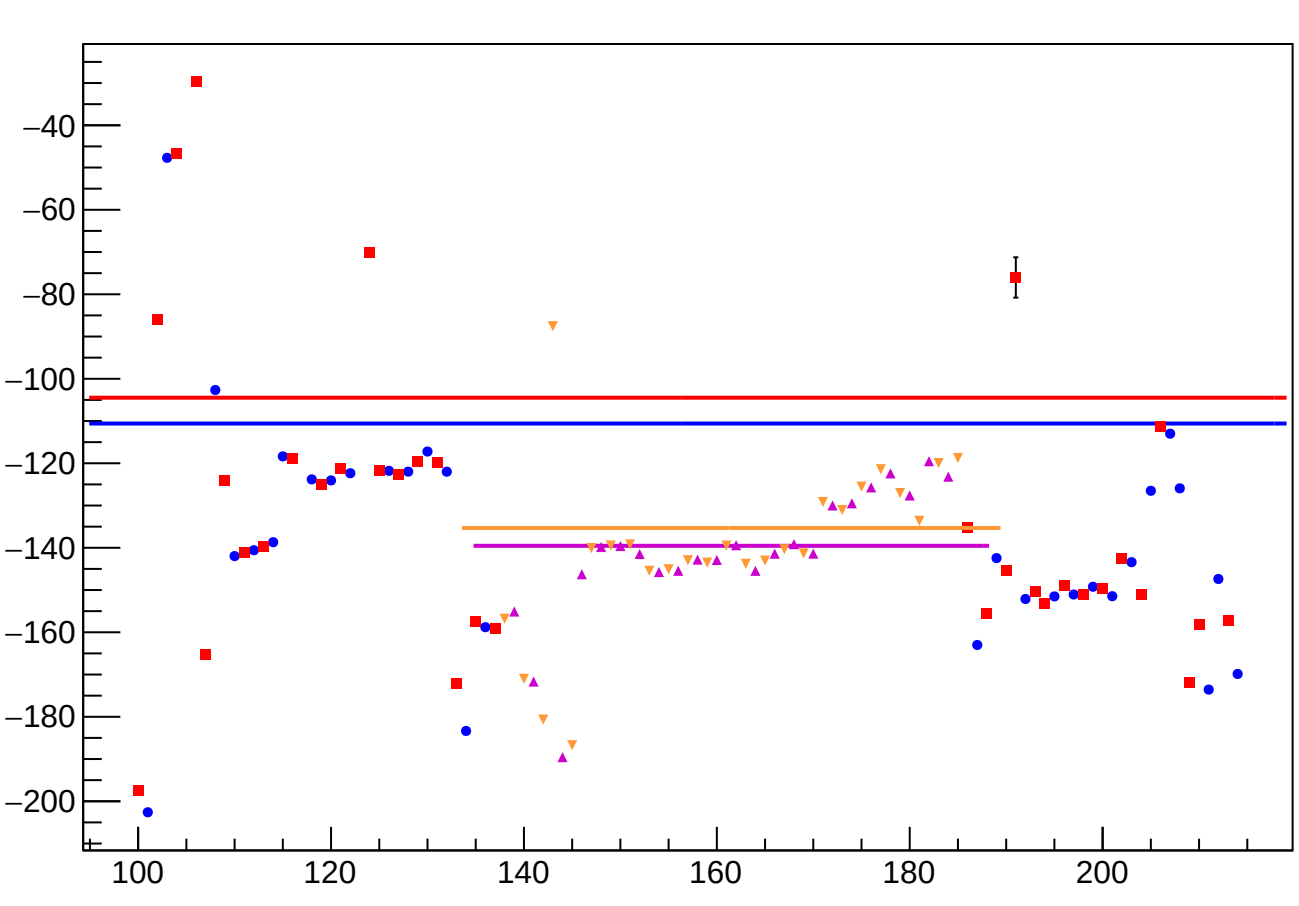
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 31.265+/-0.850 χ^2/NDF: 844.5/63

In: 51.026+/-0.741 χ^2/NDF:1208.8/52

Out: 47.399+/-0.696 χ^2/NDF:1538.0/58

All: 49.101+/-0.507 χ^2/NDF: 2759.6/111



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

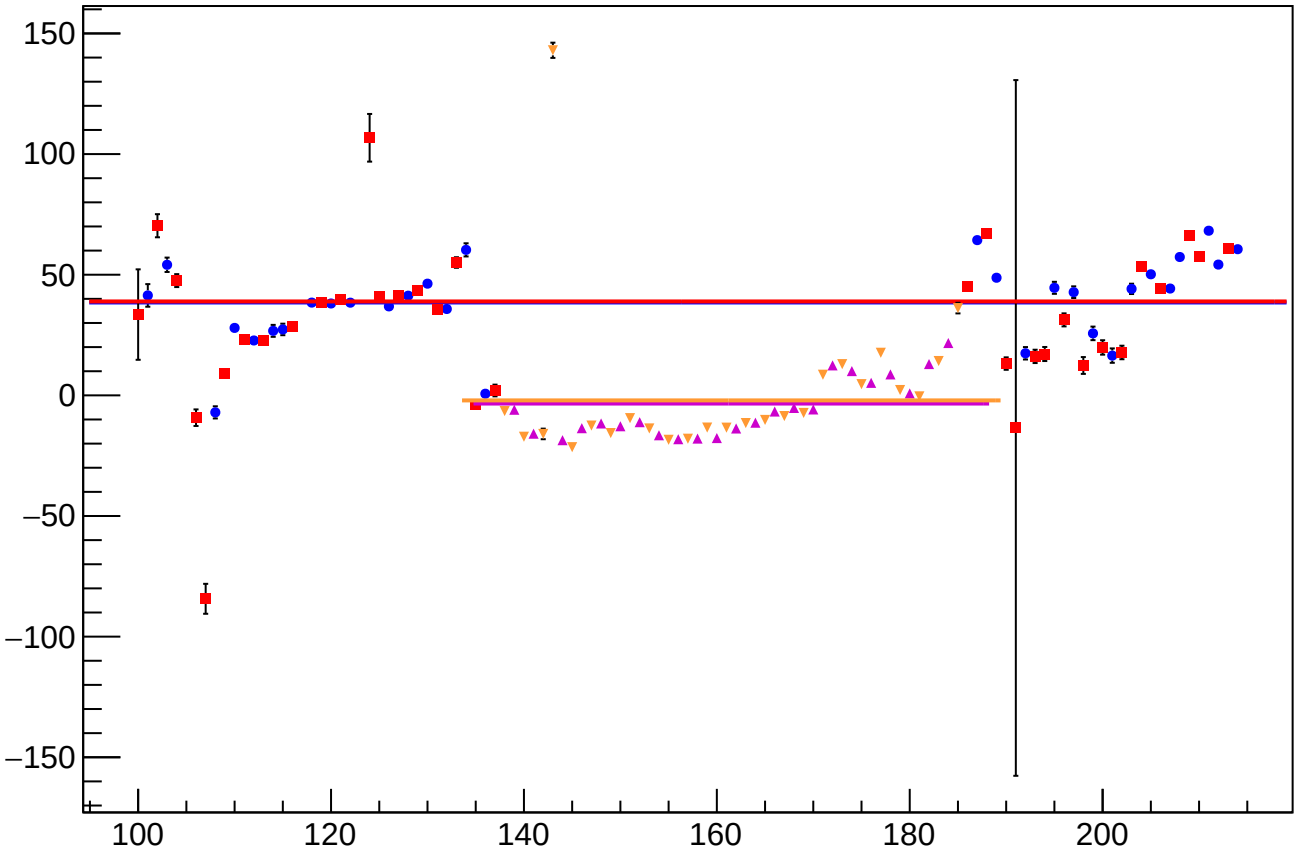
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -107.428+/-0.040 χ^2/NDF: 1455616.4/63

In: -129.416+/-0.034 χ^2/NDF:972688.0/52

Out: -124.571+/-0.033 χ^2/NDF:1220563.4/58

All: -126.906+/-0.024 χ^2/NDF: 2203793.2/11



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

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

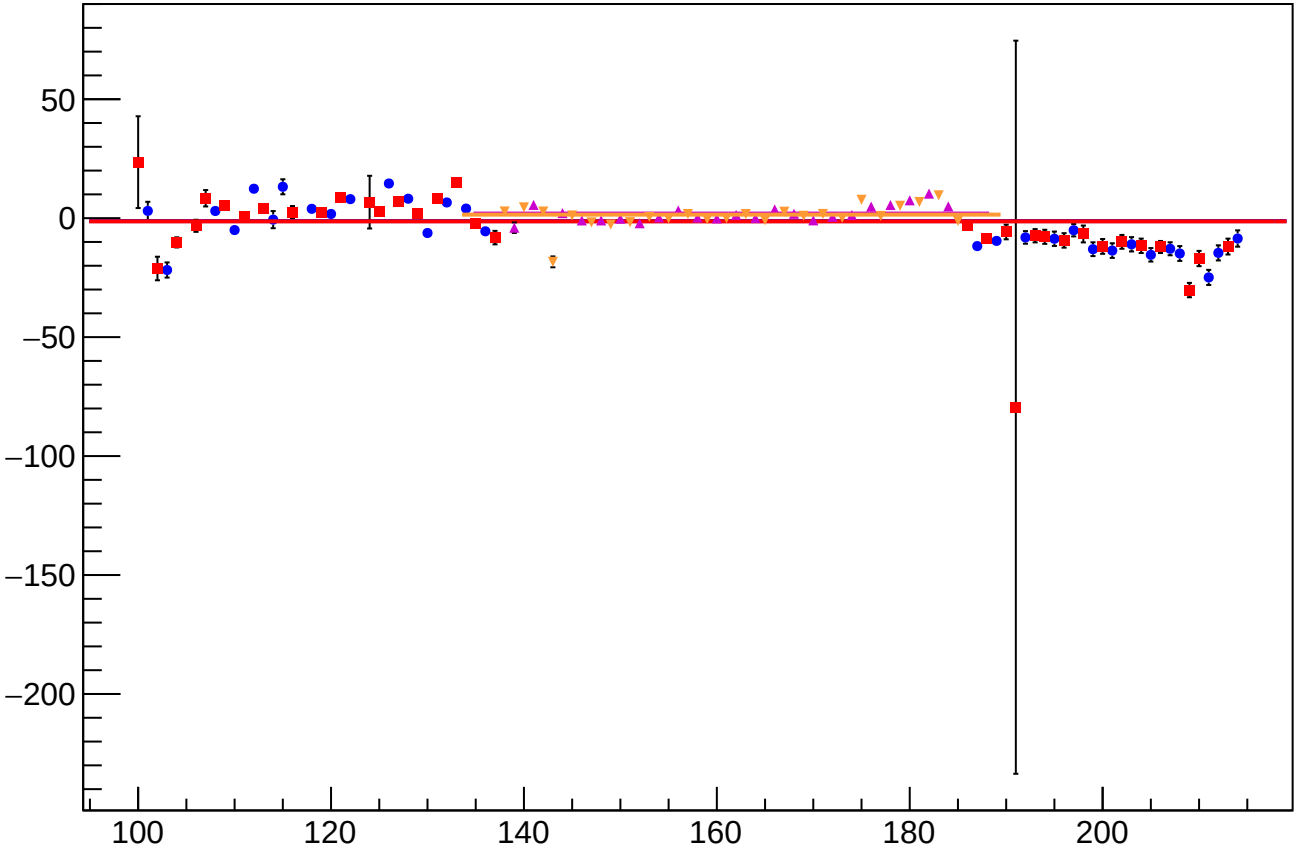
Right: 38.730+/-0.217 χ^2/NDF: 8479.0/63

In: 13.952+/-0.208 χ^2/NDF:14790.7/52

Out: 16.436+/-0.198 χ^2/NDF:20190.0/58

All: 15.257+/-0.143 χ^2/NDF: 35055.9/111

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

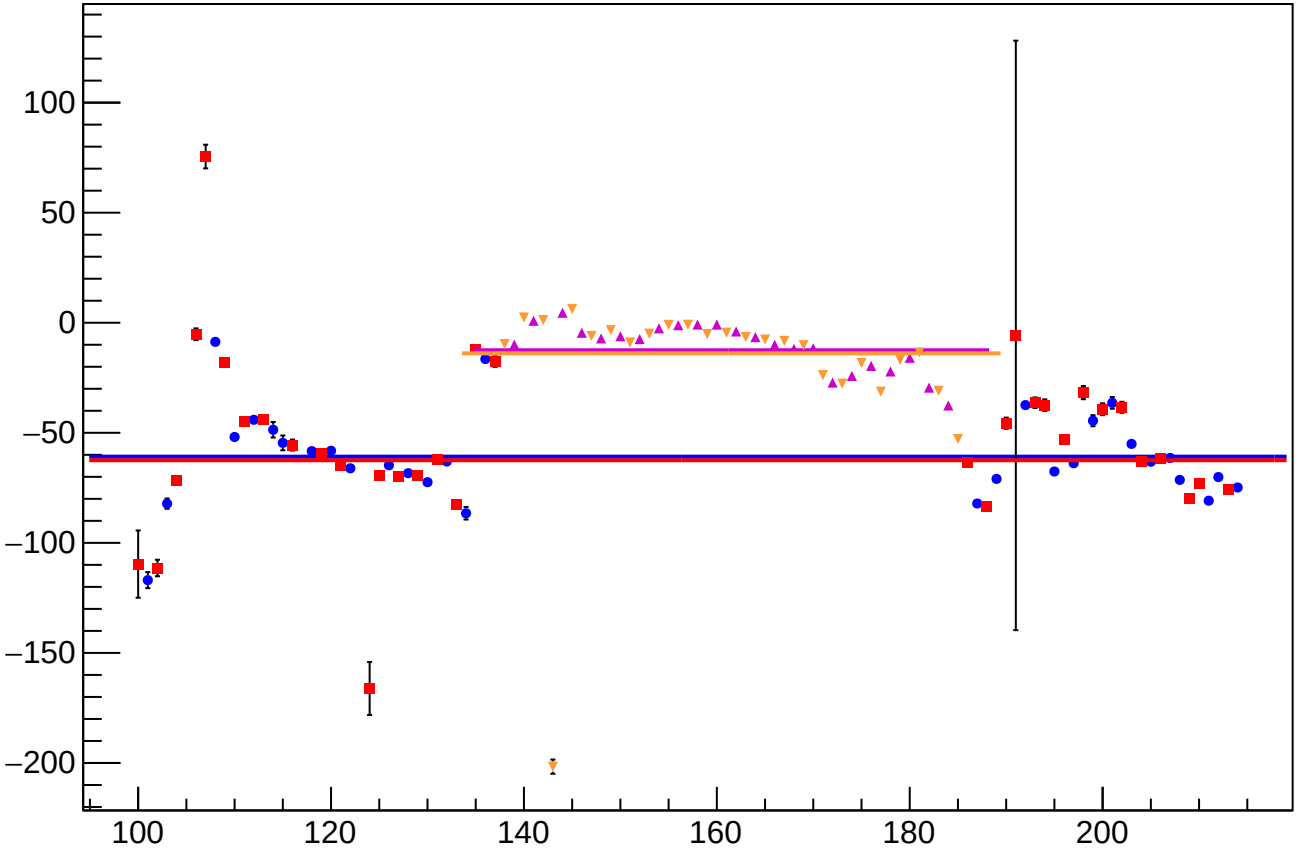
Right: -1.289+/-0.256 χ^2/NDF: 1130.0/63

In: 1.171+/-0.183 χ^2/NDF:886.6/52

Out: 0.772+/-0.177 χ^2/NDF:915.4/58

All: 0.964+/-0.127 χ^2/NDF: 1804.4/111

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

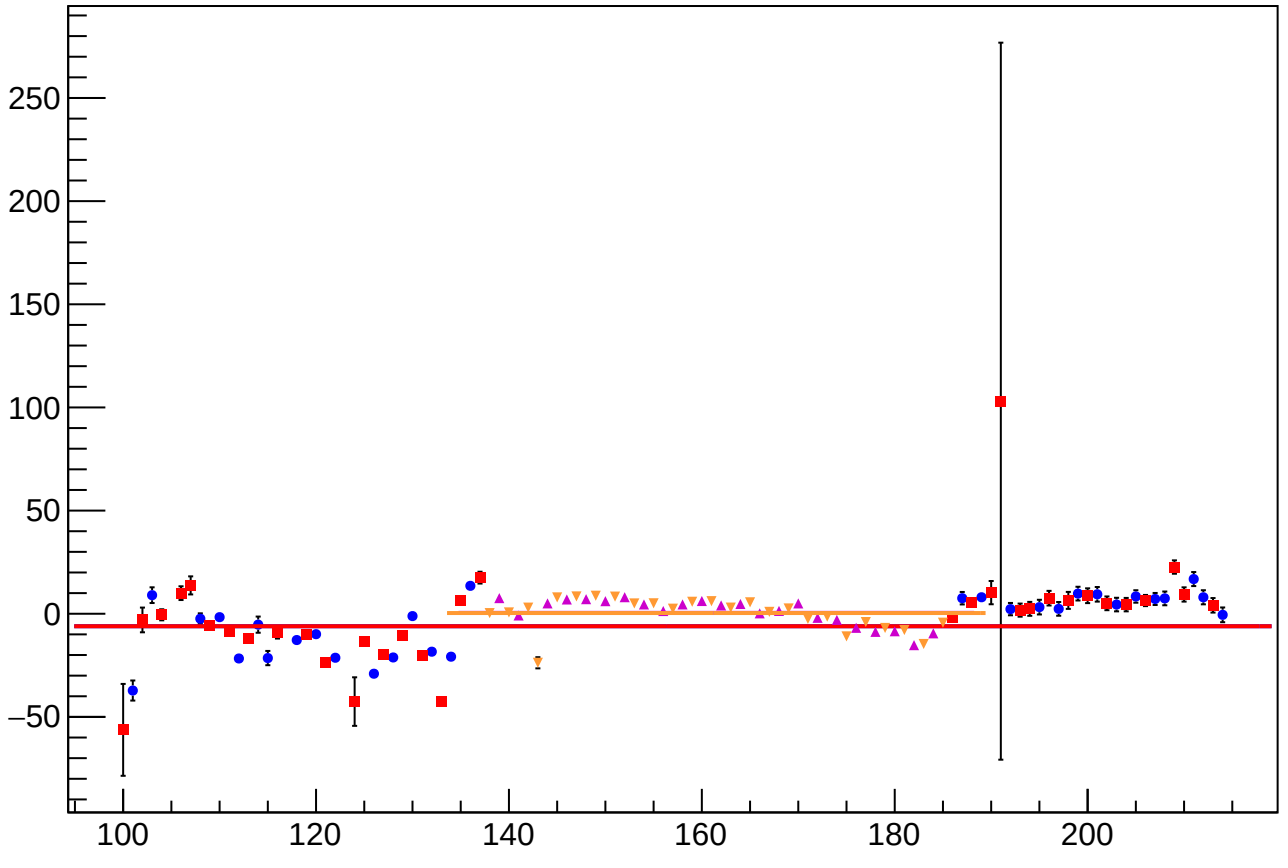
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

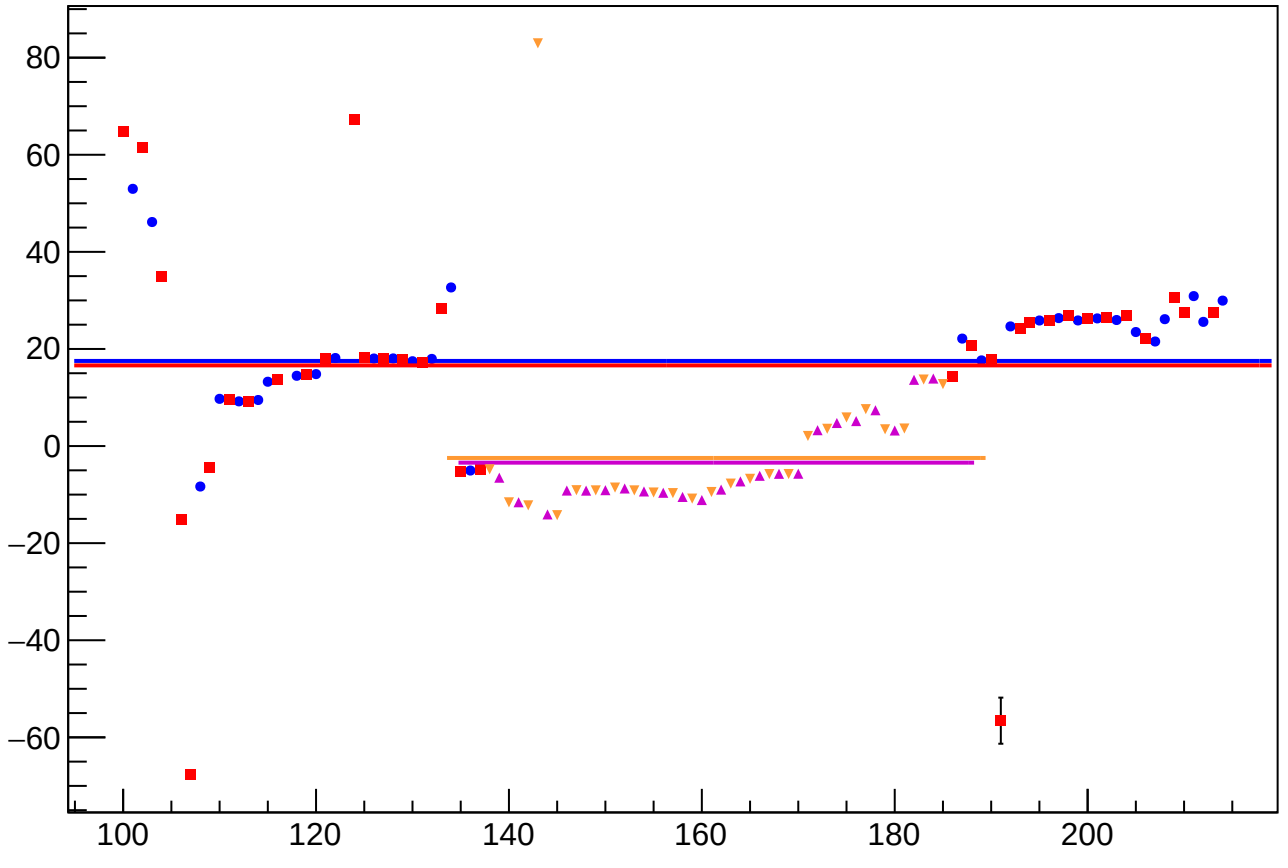
Right: -61.765+/-0.219 χ^2/NDF: 9313.8/63

In: -31.476+/-0.209 χ^2/NDF:17765.7/52

Out: -35.926+/-0.196 χ^2/NDF:26061.6/58

All: -33.851+/-0.143 χ^2/NDF: 44068.3/111


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: -6.049+/-0.434 χ²/NDF: 1003.9/29
Left Out: 0.345+/-0.231 χ²/NDF:921.9/24
Right Out: -6.060+/-0.421 χ²/NDF: 1050.0/33
Left In: 0.433+/-0.237 χ²/NDF:782.1/22
Left: 0.388+/-0.165 χ²/NDF: 1704.0/47
Right: -6.055+/-0.302 χ²/NDF: 2053.9/63
In: -1.055+/-0.208 χ²/NDF:1958.2/52
Out: -1.140+/-0.203 χ²/NDF:2149.7/58
All: -1.099+/-0.145 χ²/NDF: 4108.0/111



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

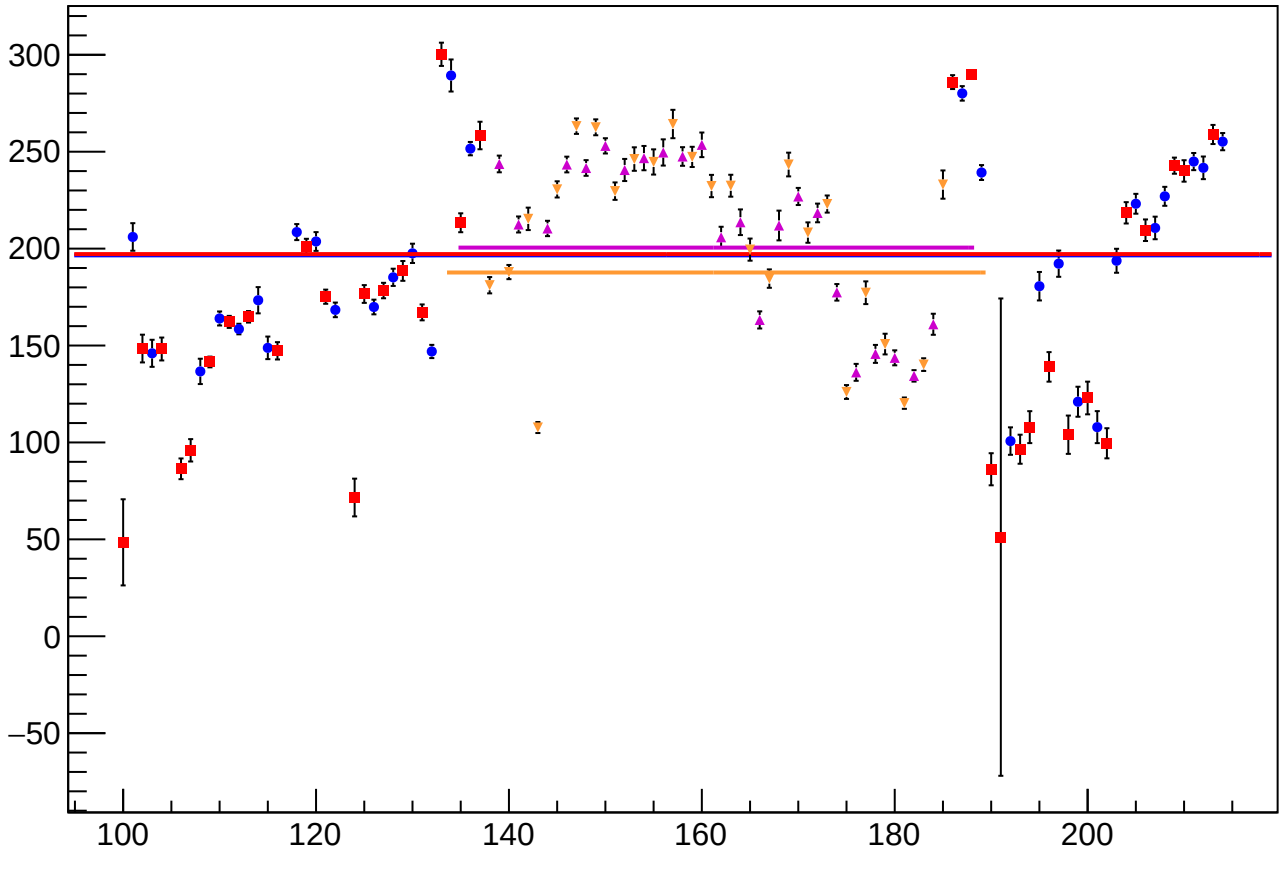
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 17.073+/-0.015 χ^2/NDF: 1028641.7/63

In: 0.458+/-0.009 χ^2/NDF:1744216.5/52

Out: 1.055+/-0.009 χ^2/NDF:2161164.2/58

All: 0.759+/-0.007 χ^2/NDF: 3907396.7/111



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

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

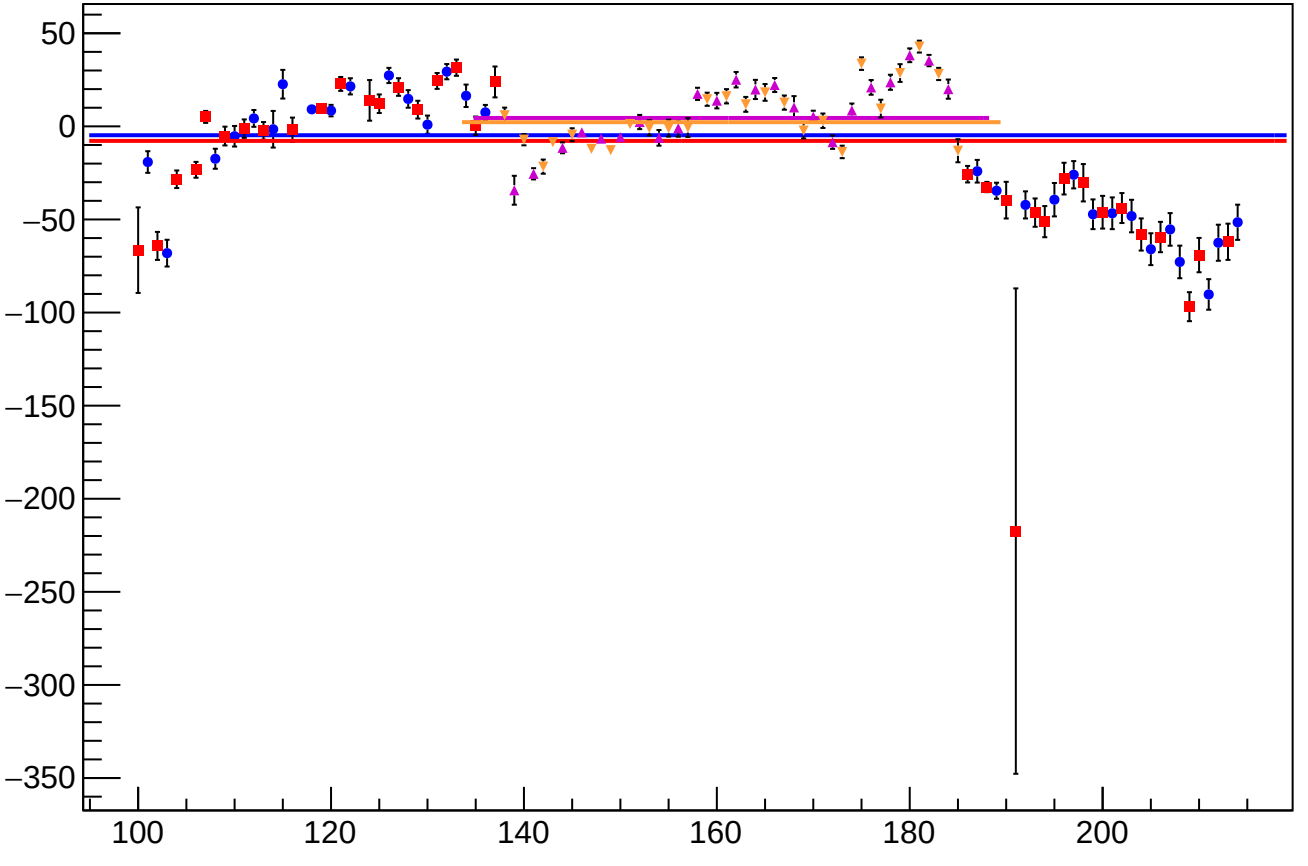
Right: 196.880+/-0.584 χ^2/NDF: 9022.4/63

In: 198.324+/-0.641 χ^2/NDF:4771.8/52

Out: 193.022+/-0.594 χ^2/NDF:9962.6/58

All: 195.472+/-0.436 χ^2/NDF: 14771.2/111

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

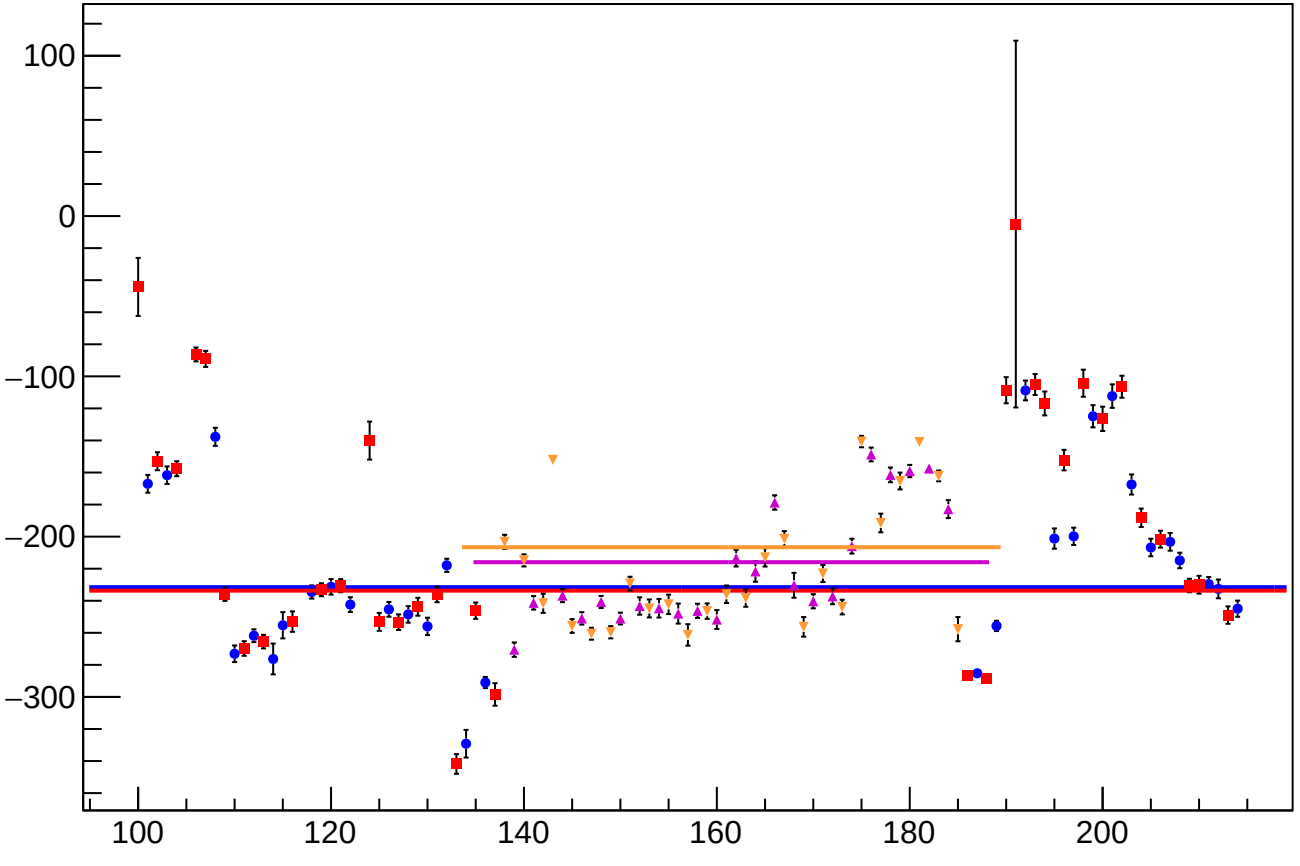
Right: -6.400+/-0.661 χ^2/NDF: 1812.9/63

In: 1.262+/-0.576 χ^2/NDF:1467.7/52

Out: -1.291+/-0.535 χ^2/NDF:1627.5/58

All: -0.108+/-0.392 χ^2/NDF: 3105.8/111

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

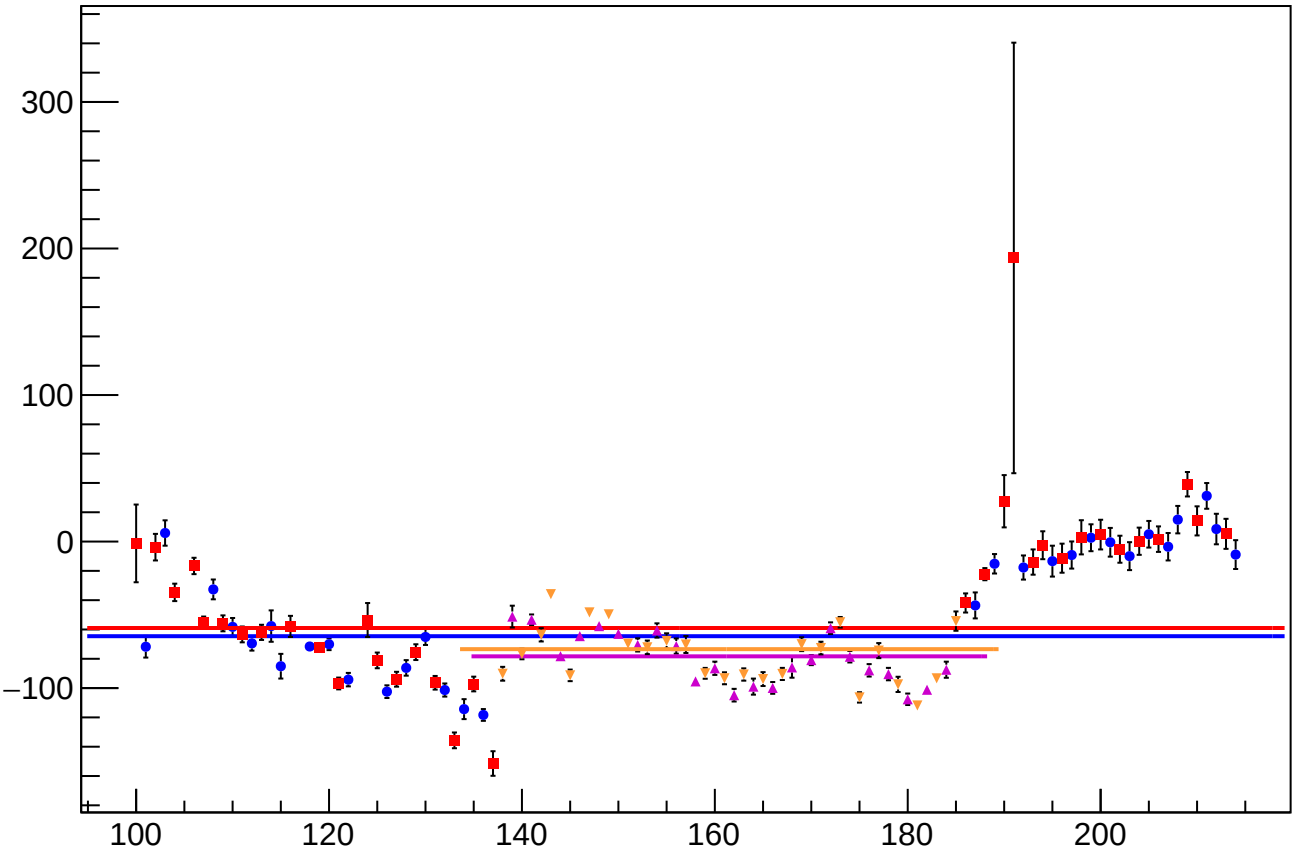
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.740+/-0.599 χ^2/NDF: 9362.0/63

In: -224.096+/-0.653 χ^2/NDF:4544.6/52

Out: -221.669+/-0.596 χ^2/NDF:9645.1/58

All: -222.772+/-0.440 χ^2/NDF: 14197.2/111



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

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

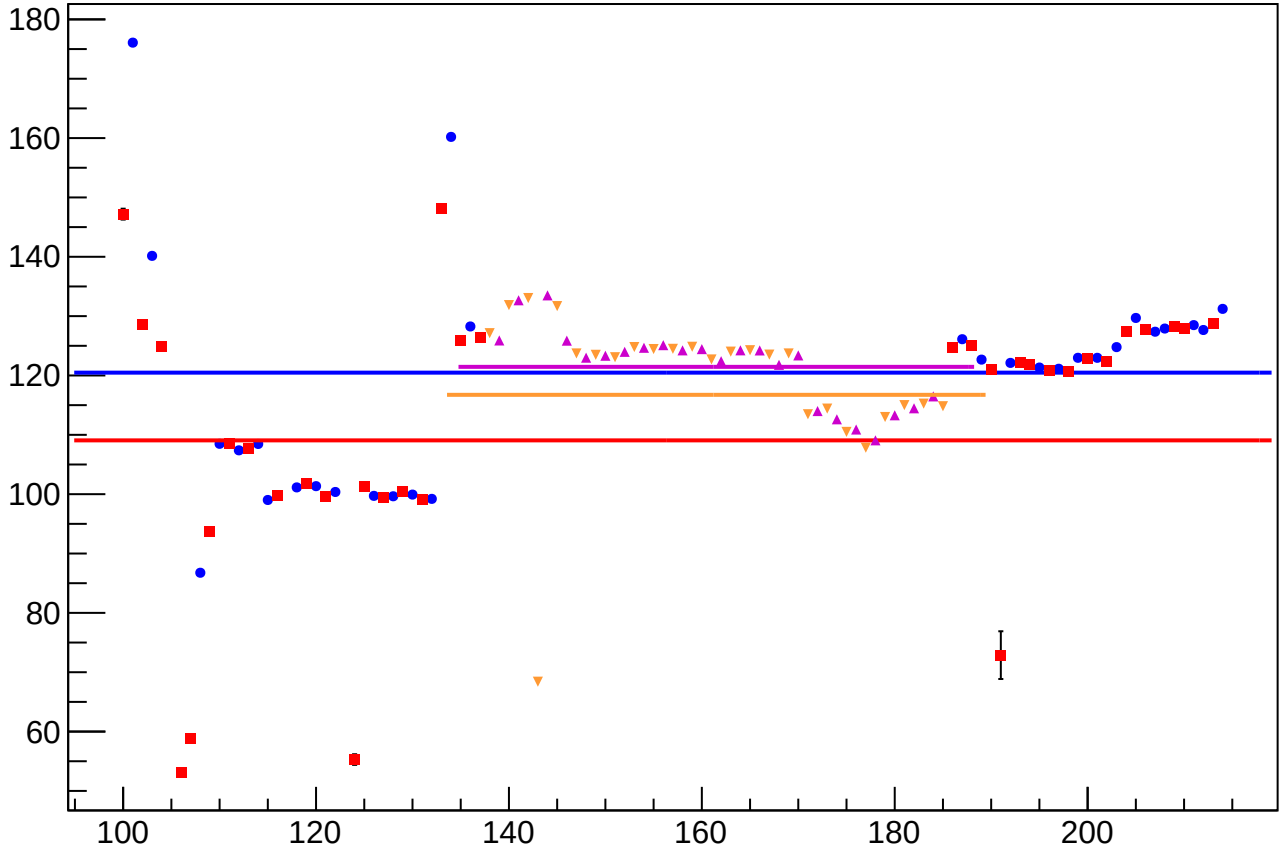
Right: -61.632+/-0.780 χ^2/NDF: 2569.8/63

In: -73.639+/-0.663 χ^2/NDF:1733.9/52

Out: -68.548+/-0.624 χ^2/NDF:2319.1/58

All: -70.938+/-0.455 χ^2/NDF: 4084.2/111

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

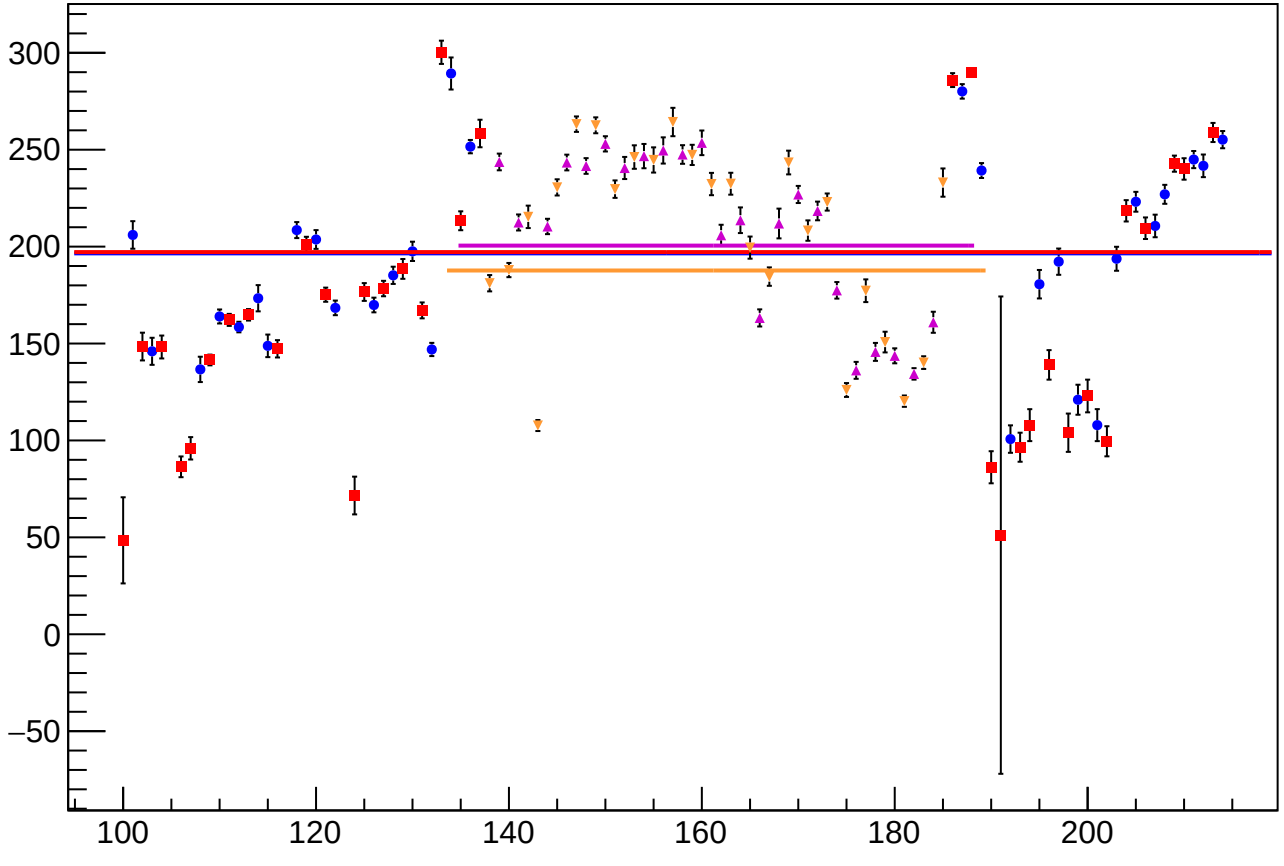
Right: 114.298+/-0.040 χ^2/NDF: 332960.8/63

In: 121.181+/-0.032 χ^2/NDF:128450.3/52

Out: 114.449+/-0.030 χ^2/NDF:431045.2/58

All: 117.639+/-0.022 χ^2/NDF: 583364.7/111

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

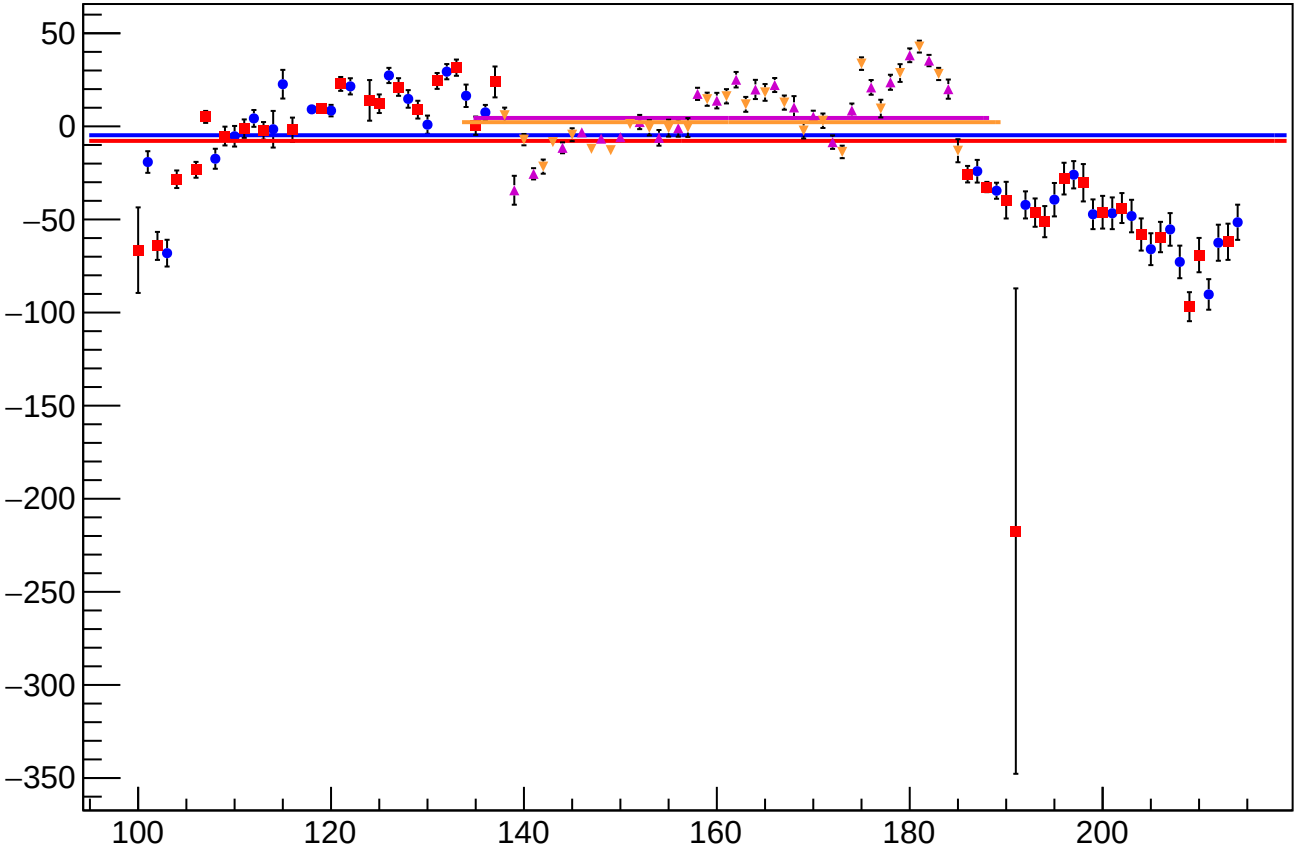
Right: 196.880+/-0.584 χ^2/NDF: 9022.4/63

In: 198.324+/-0.641 χ^2/NDF:4771.8/52

Out: 193.022+/-0.594 χ^2/NDF:9962.6/58

All: 195.472+/-0.436 χ^2/NDF: 14771.2/111

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

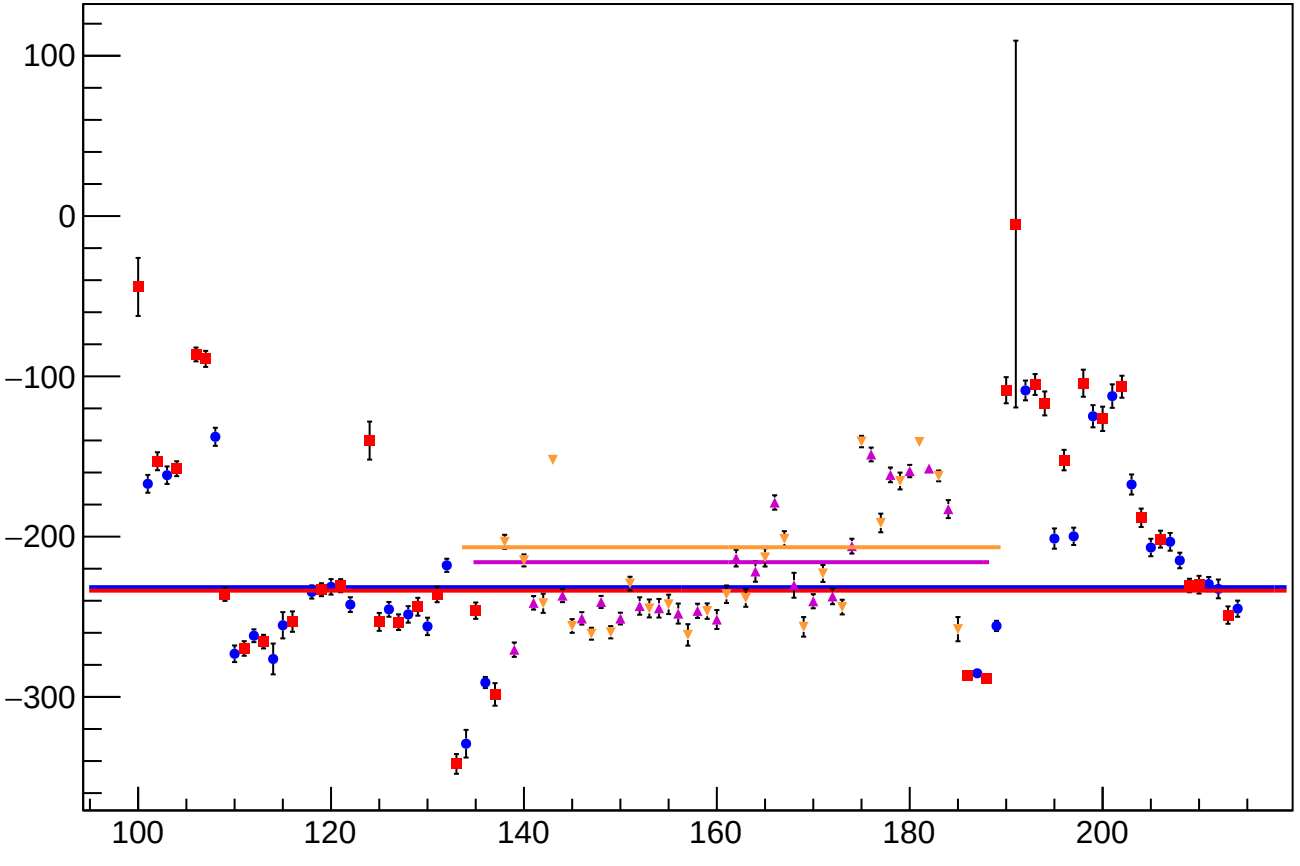
Right: -6.400+/-0.661 χ^2/NDF: 1812.9/63

In: 1.262+/-0.576 χ^2/NDF:1467.7/52

Out: -1.291+/-0.535 χ^2/NDF:1627.5/58

All: -0.108+/-0.392 χ^2/NDF: 3105.8/111

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

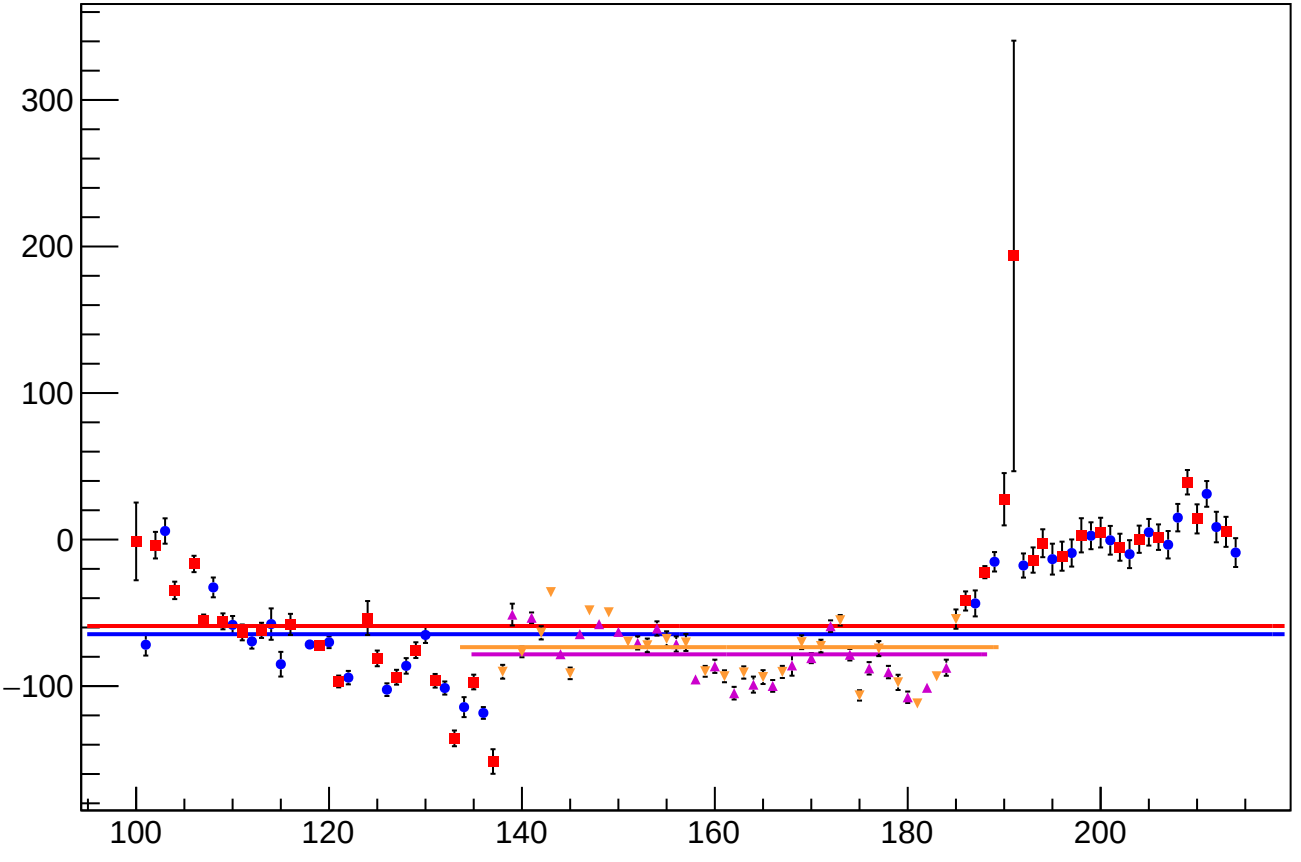
Right: -232.740+/-0.599 χ^2/NDF: 9362.0/63

In: -224.096+/-0.653 χ^2/NDF:4544.6/52

Out: -221.669+/-0.596 χ^2/NDF:9645.1/58

All: -222.772+/-0.440 χ^2/NDF: 14197.2/111

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

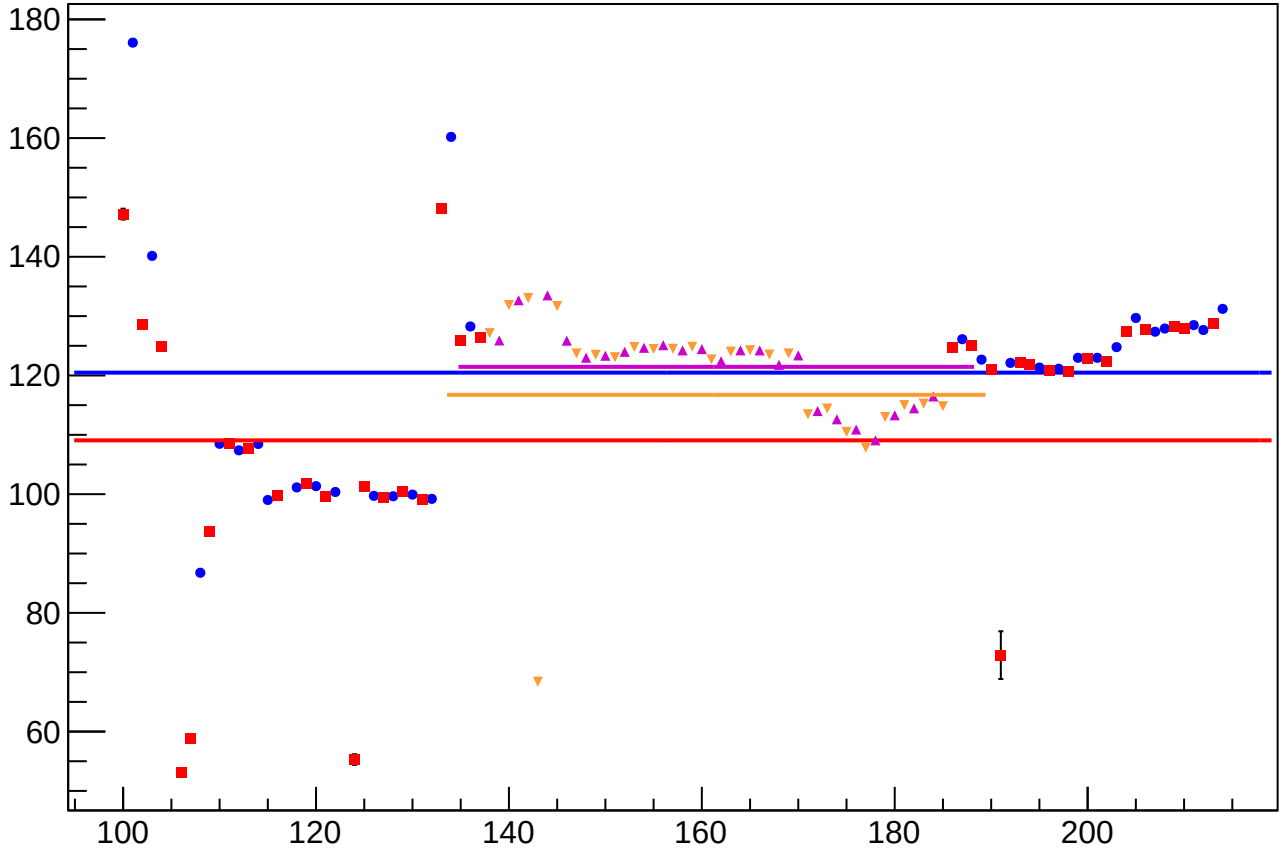
Right: -61.632+/-0.780 χ^2/NDF: 2569.8/63

In: -73.639+/-0.663 χ^2/NDF:1733.9/52

Out: -68.548+/-0.624 χ^2/NDF:2319.1/58

All: -70.938+/-0.455 χ^2/NDF: 4084.2/111

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

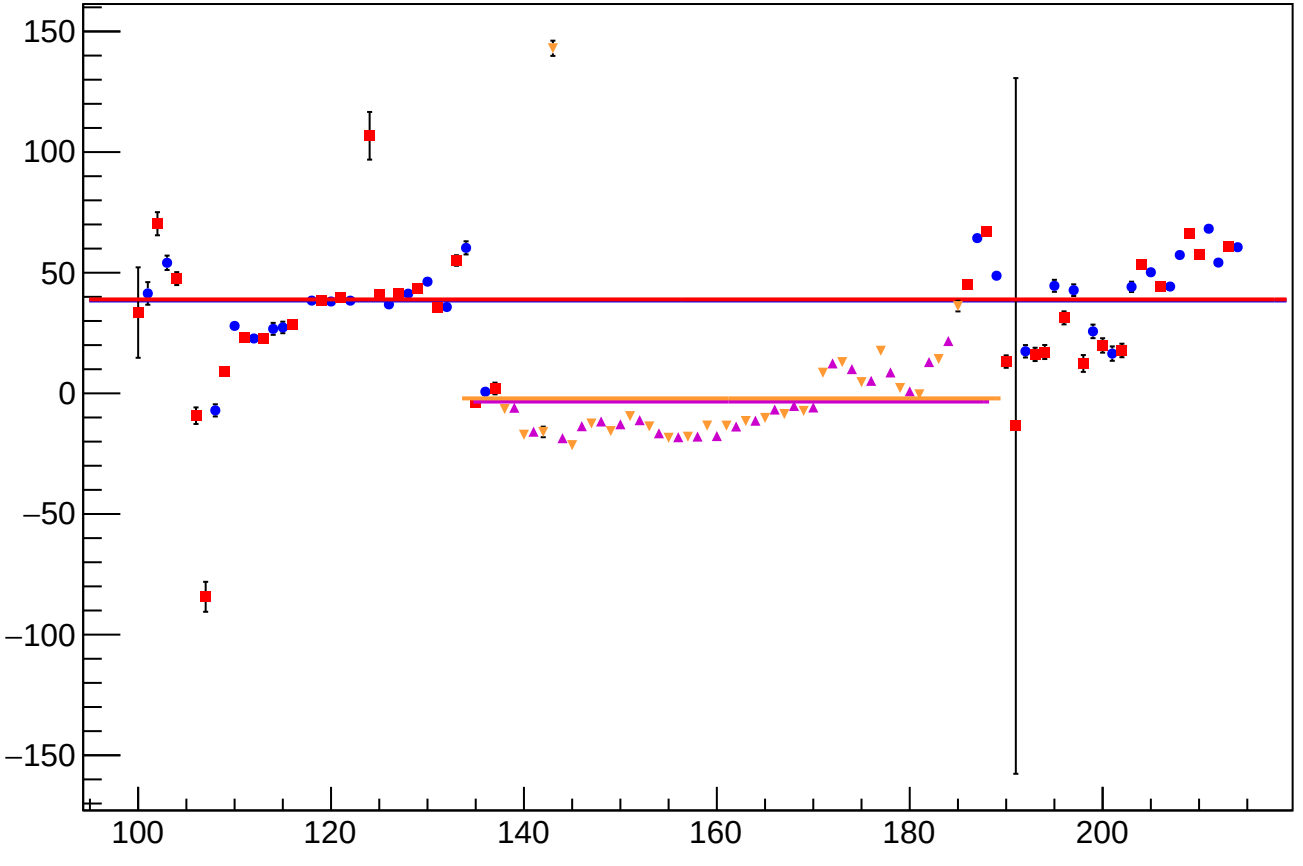
Right: 114.298+/-0.040 χ^2/NDF: 332960.8/63

In: 121.181+/-0.032 χ^2/NDF:128450.3/52

Out: 114.449+/-0.030 χ^2/NDF:431045.2/58

All: 117.639+/-0.022 χ^2/NDF: 583364.7/111

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

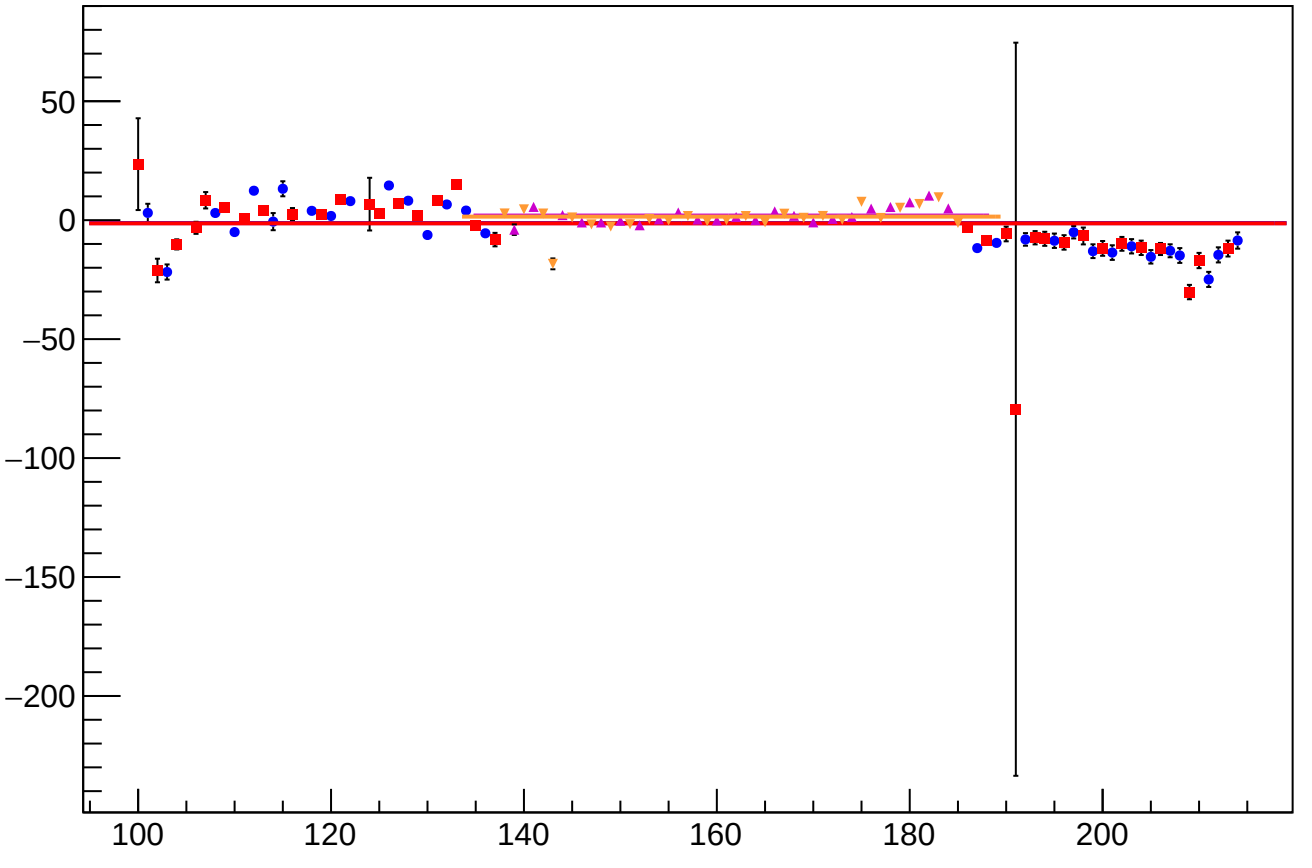
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 38.730+/-0.217 χ^2/NDF: 8479.0/63

In: 13.952+/-0.208 χ^2/NDF:14790.7/52

Out: 16.436+/-0.198 χ^2/NDF:20190.0/58

All: 15.257+/-0.143 χ^2/NDF: 35055.9/111



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

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

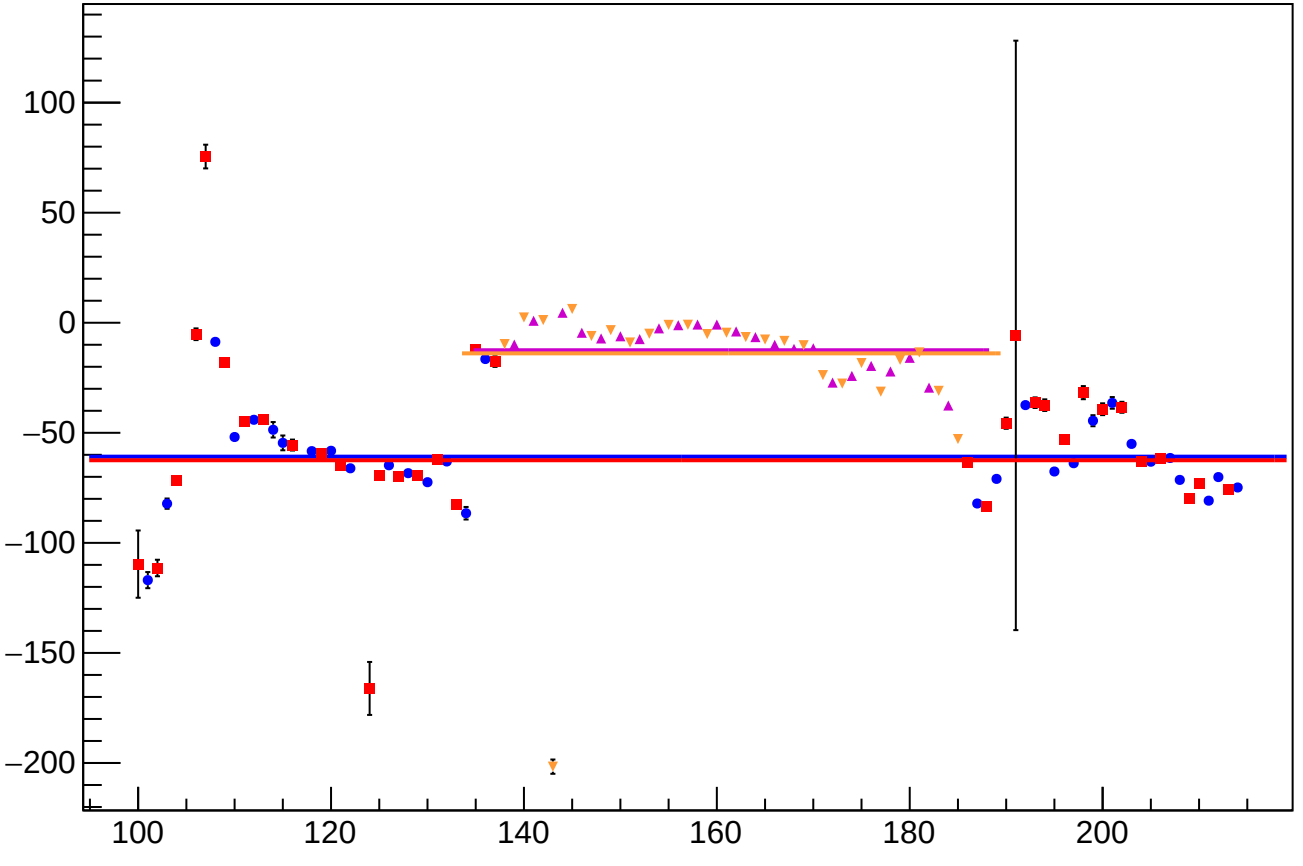
Right: -1.289+/-0.256 χ^2/NDF: 1130.0/63

In: 1.171+/-0.183 χ^2/NDF:886.6/52

Out: 0.772+/-0.177 χ^2/NDF:915.4/58

All: 0.964+/-0.127 χ^2/NDF: 1804.4/111

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

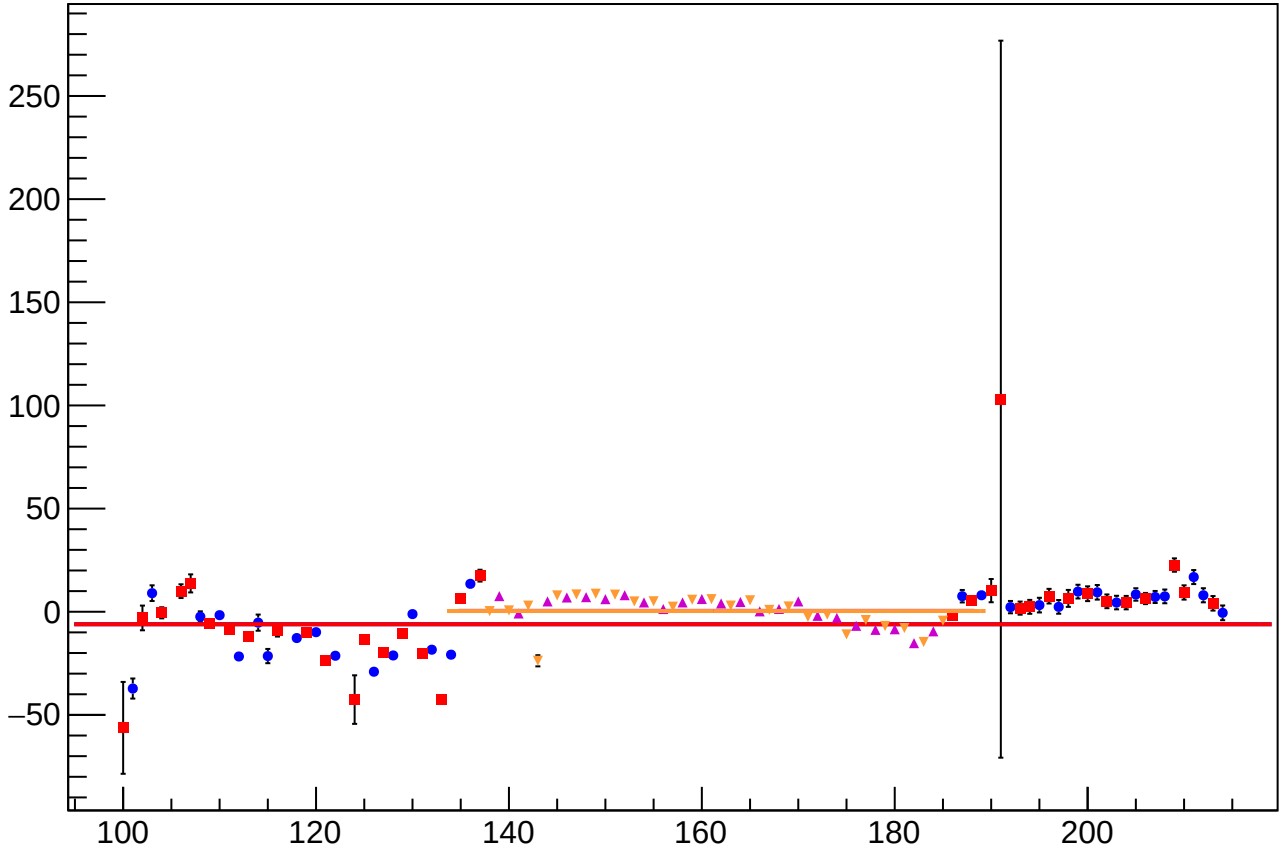
Right: -61.765+/-0.219 χ^2/NDF: 9313.8/63

In: -31.476+/-0.209 χ^2/NDF:17765.7/52

Out: -35.926+/-0.196 χ^2/NDF:26061.6/58

All: -33.851+/-0.143 χ^2/NDF: 44068.3/111

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

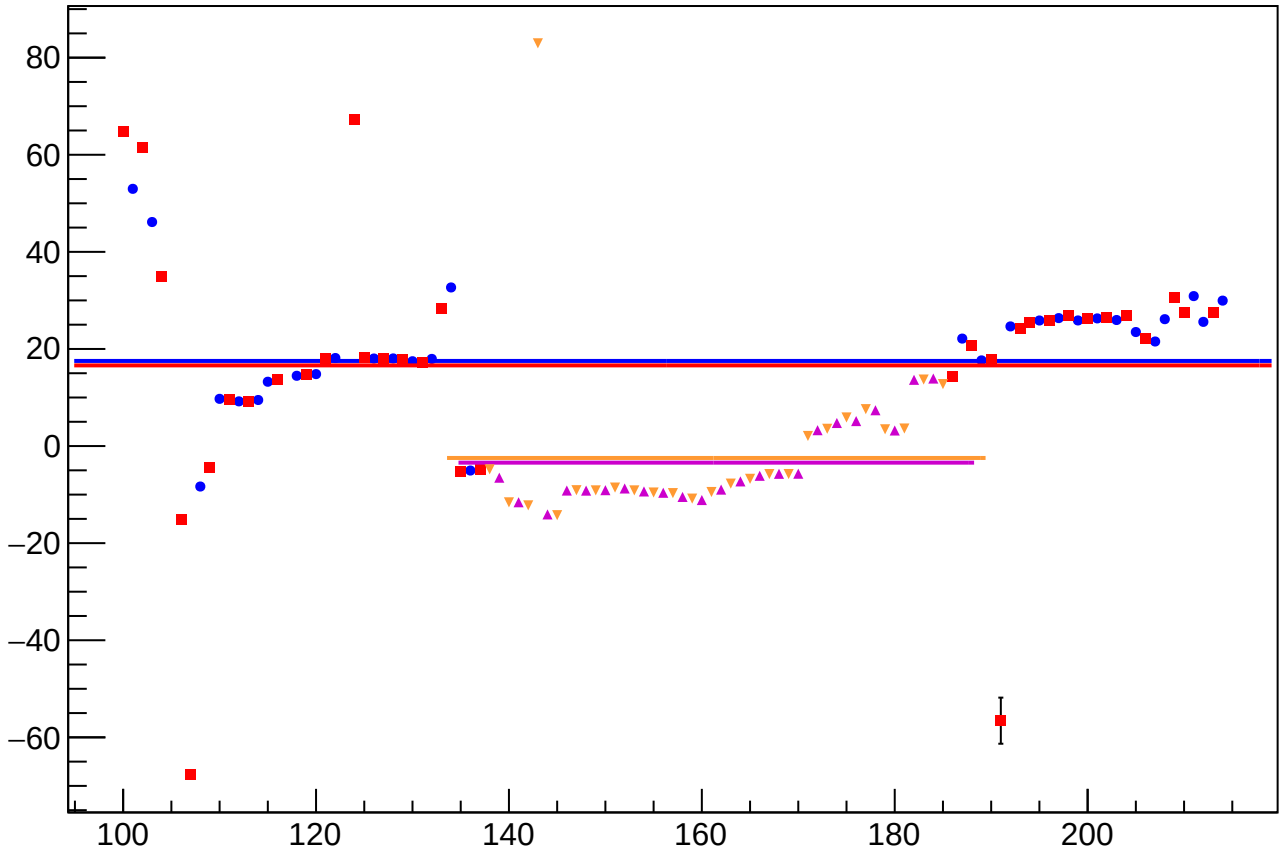
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -6.055+/-0.302 χ^2/NDF: 2053.9/63

In: -1.055+/-0.208 χ^2/NDF:1958.2/52

Out: -1.140+/-0.203 χ^2/NDF:2149.7/58

All: -1.099+/-0.145 χ^2/NDF: 4108.0/111



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

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

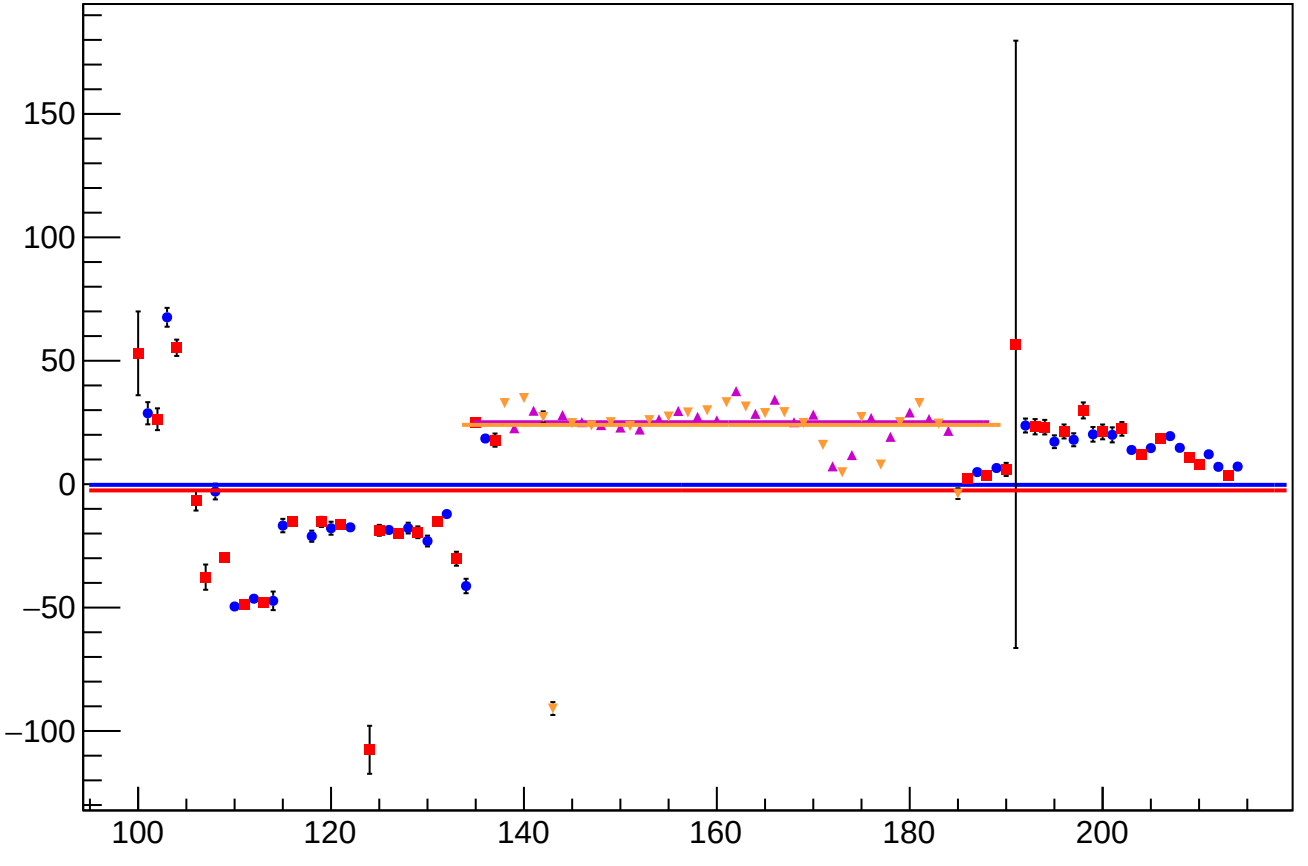
Right: 17.073+/-0.015 χ^2/NDF: 1028641.7/63

In: 0.458+/-0.009 χ^2/NDF:1744216.5/52

Out: 1.055+/-0.009 χ^2/NDF:2161164.2/58

All: 0.759+/-0.007 χ^2/NDF: 3907396.7/111

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

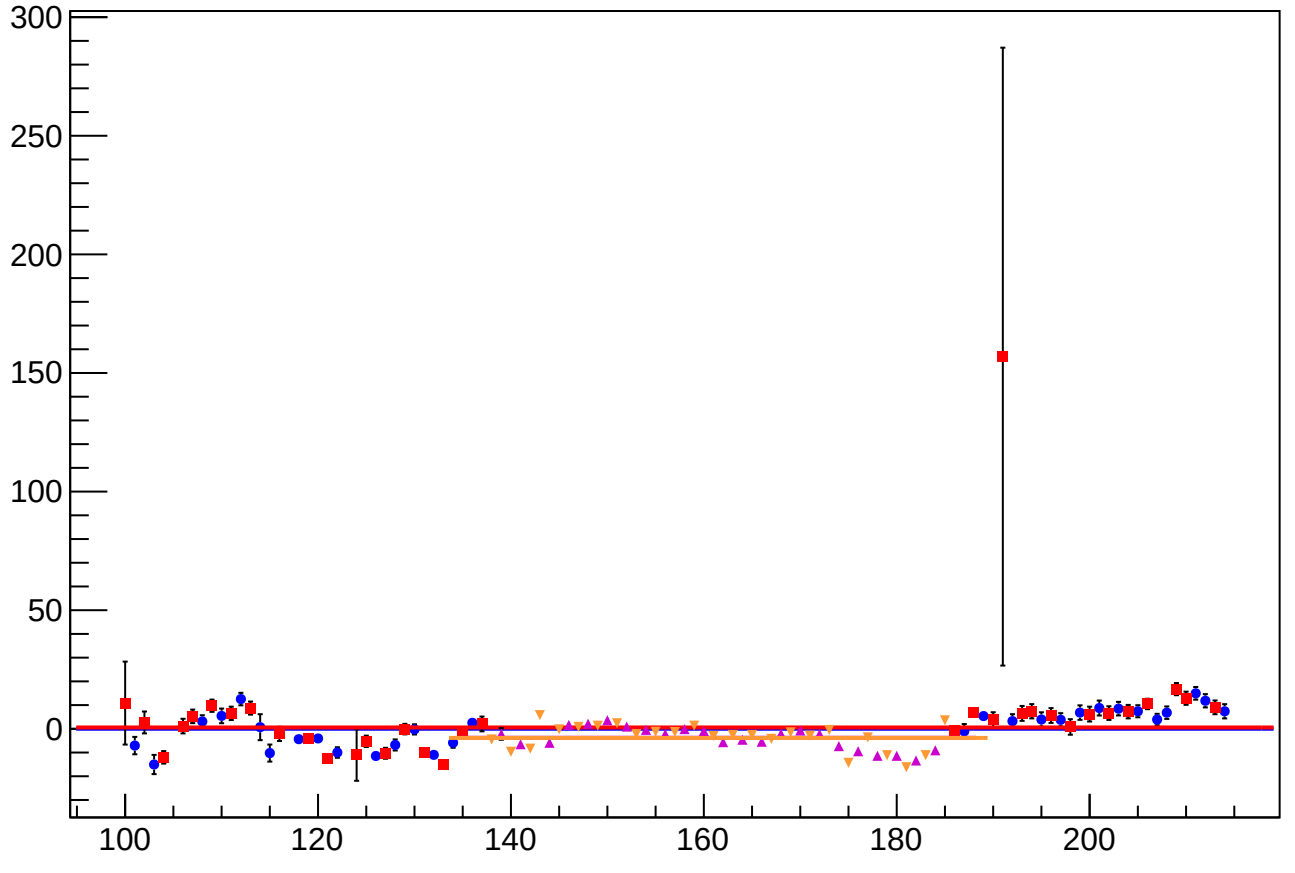
Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

Right: -1.439+/-0.254 χ^2/NDF: 7613.1/63

In: 15.429+/-0.226 χ^2/NDF:7169.4/52

Out: 13.689+/-0.220 χ^2/NDF:10142.1/58

All: 14.537+/-0.158 χ^2/NDF: 17341.9/111



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

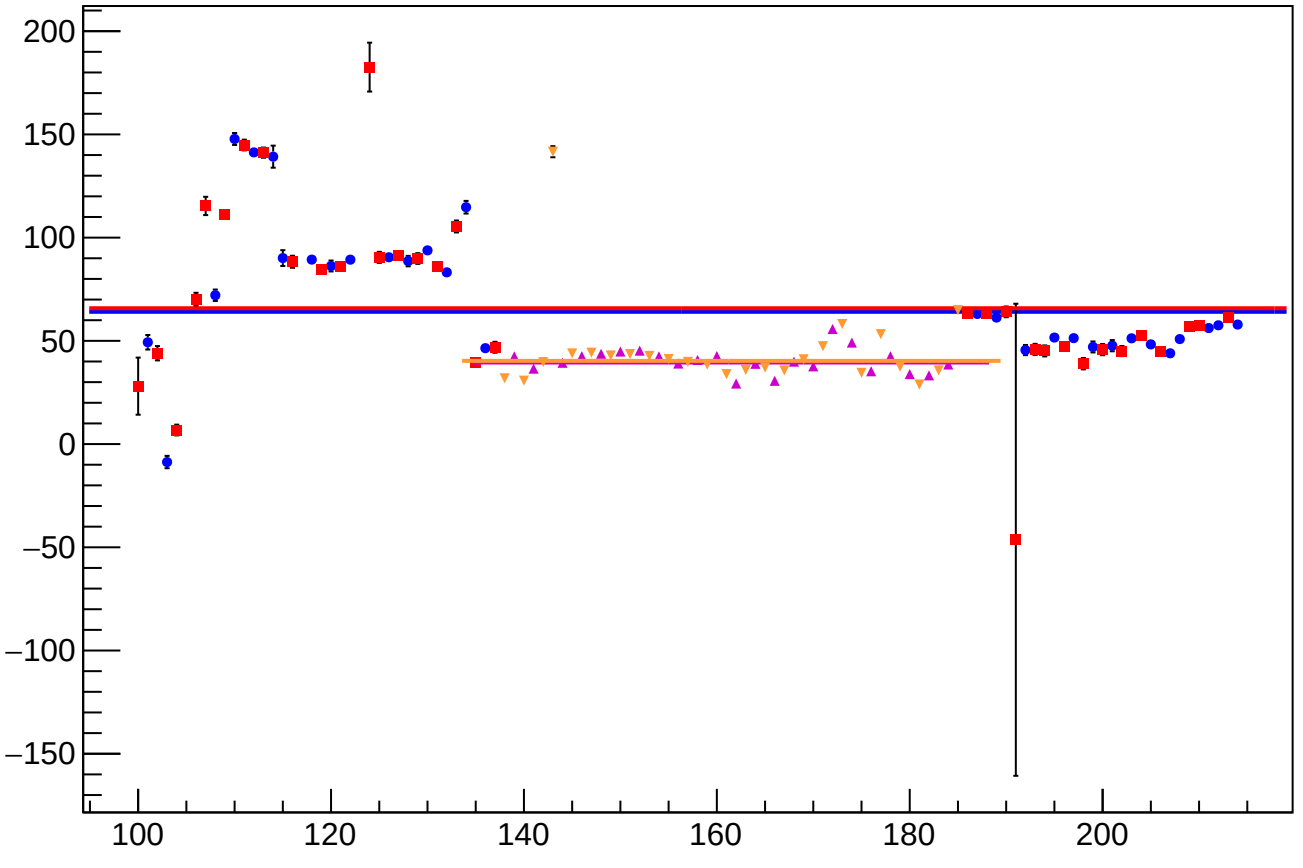
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.307+/-0.307 χ^2/NDF: 630.2/63

In: -3.001+/-0.199 χ^2/NDF:843.4/52

Out: -2.936+/-0.194 χ^2/NDF:1089.2/58

All: -2.968+/-0.139 χ^2/NDF: 1932.7/111



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

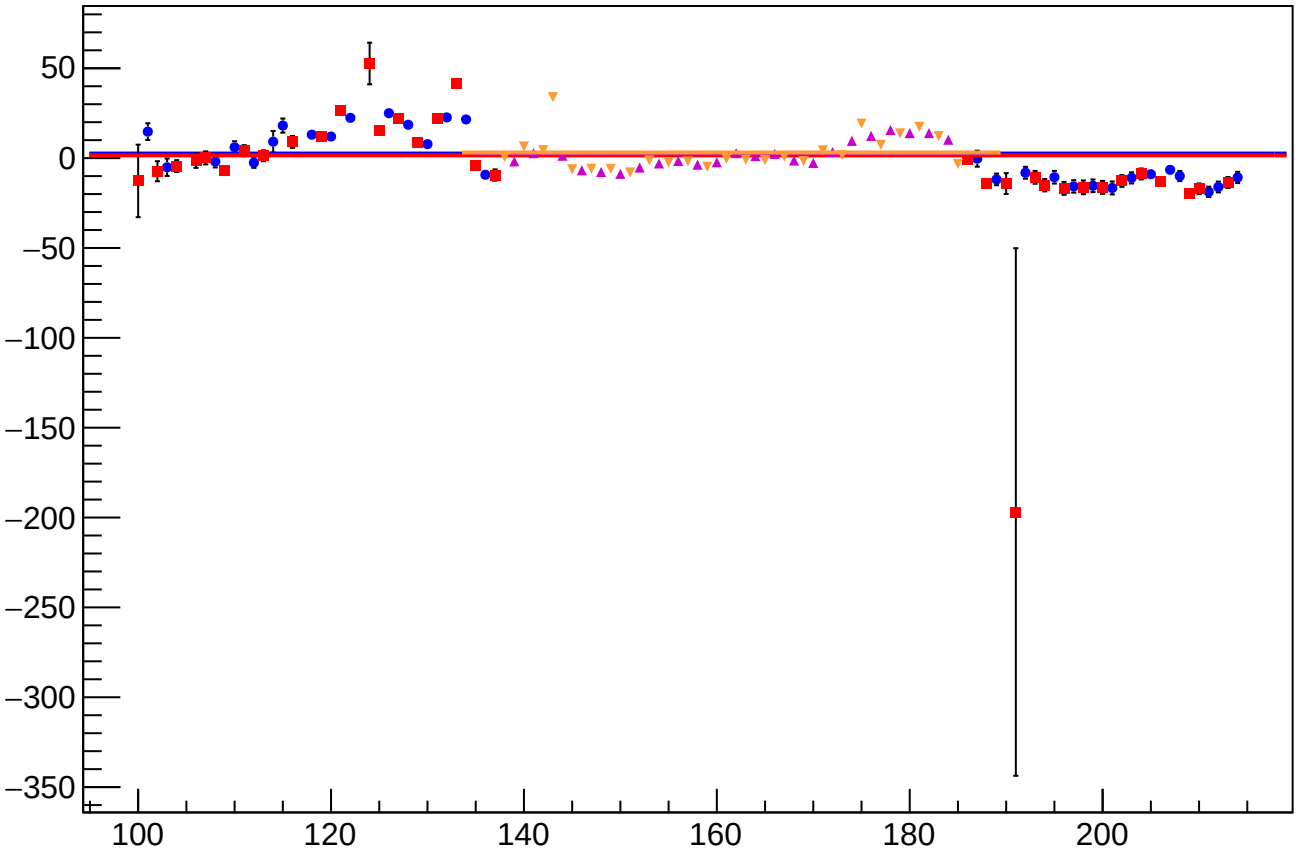
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.993+/-0.257 χ^2/NDF: 9520.6/63

In: 48.458+/-0.227 χ^2/NDF:7821.6/52

Out: 50.185+/-0.219 χ^2/NDF:10221.1/58

All: 49.351+/-0.158 χ^2/NDF: 18072.7/111



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

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

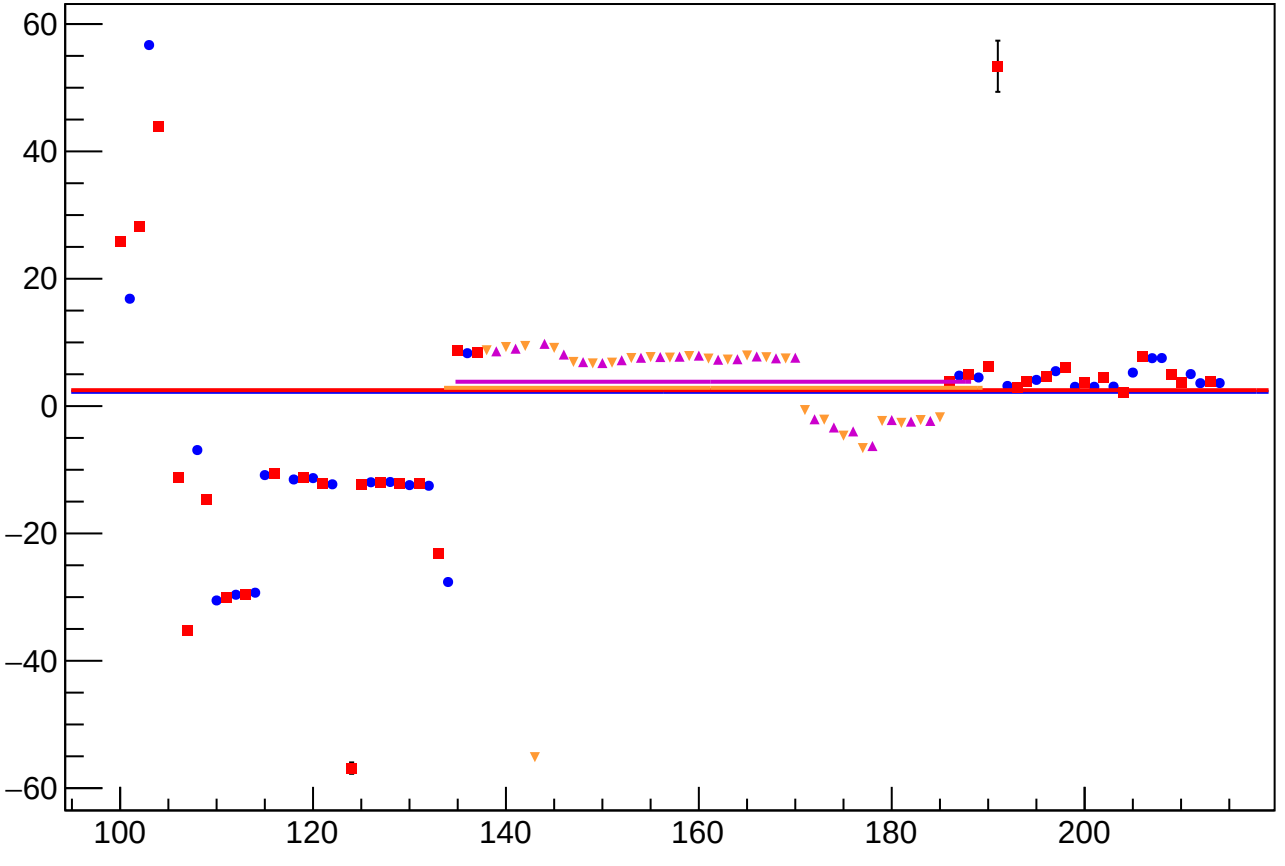
Right: 2.031+/-0.355 χ^2/NDF: 1851.0/63

In: 2.525+/-0.225 χ^2/NDF:1790.9/52

Out: 2.827+/-0.220 χ^2/NDF:2301.7/58

All: 2.679+/-0.157 χ^2/NDF: 4093.5/111

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

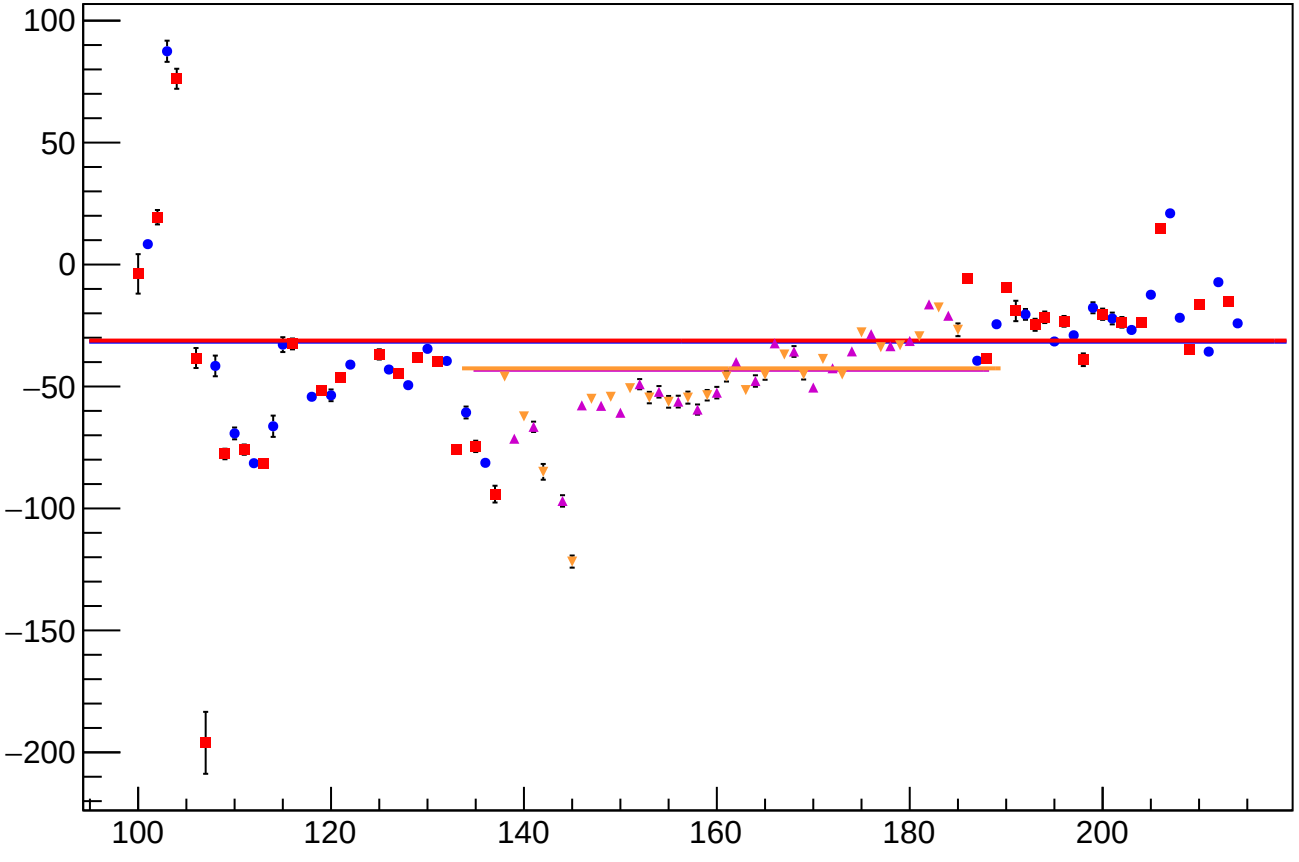
Right: 2.369+/-0.017 χ^2/NDF: 713817.1/63

In: 3.542+/-0.010 χ^2/NDF:619865.1/52

Out: 2.805+/-0.010 χ^2/NDF:843285.5/58

All: 3.171+/-0.007 χ^2/NDF: 1465852.2/111

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

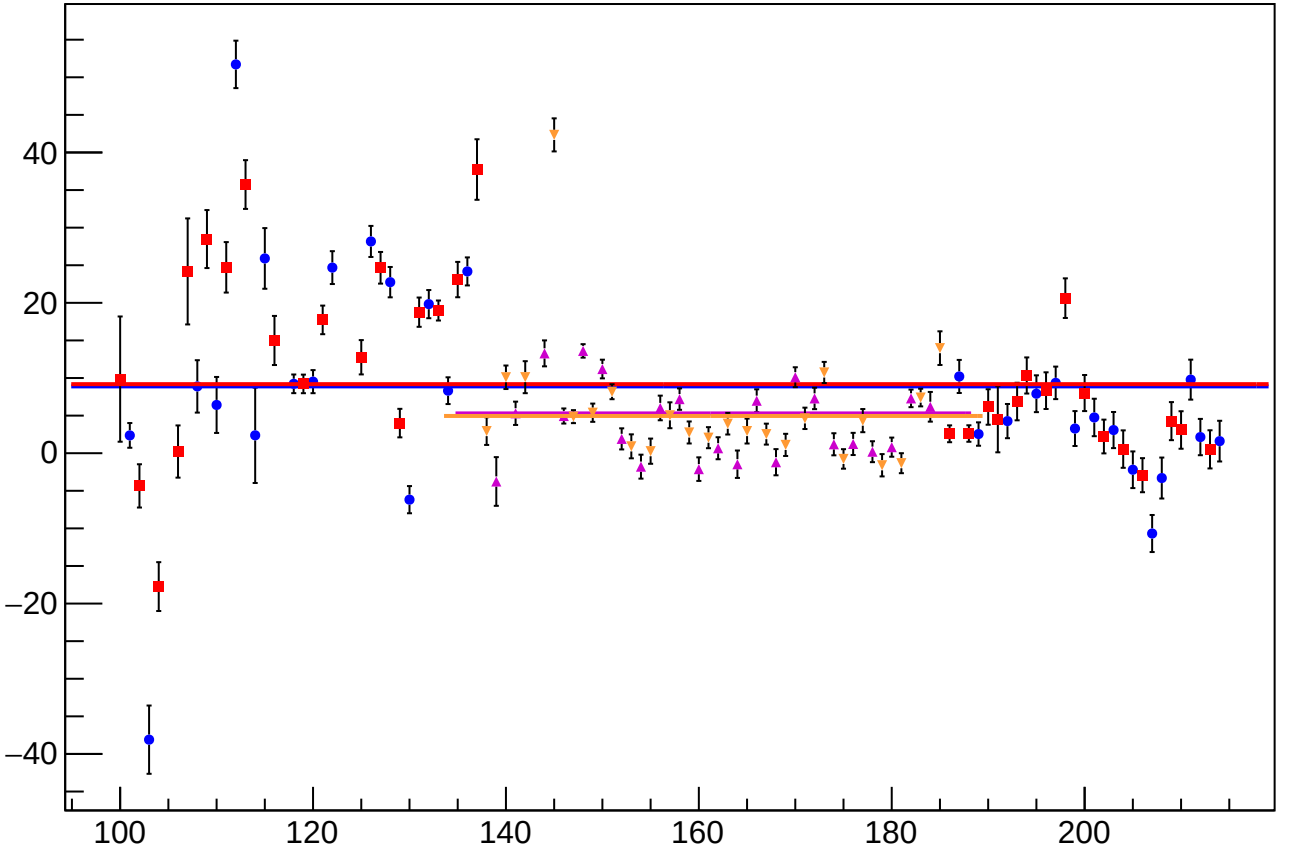
Right: -31.384+/-0.231 χ^2/NDF: 11858.5/62

In: -36.689+/-0.253 χ^2/NDF:8070.5/52

Out: -35.856+/-0.243 χ^2/NDF:9365.4/56

All: -36.255+/-0.175 χ^2/NDF: 17441.5/109

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

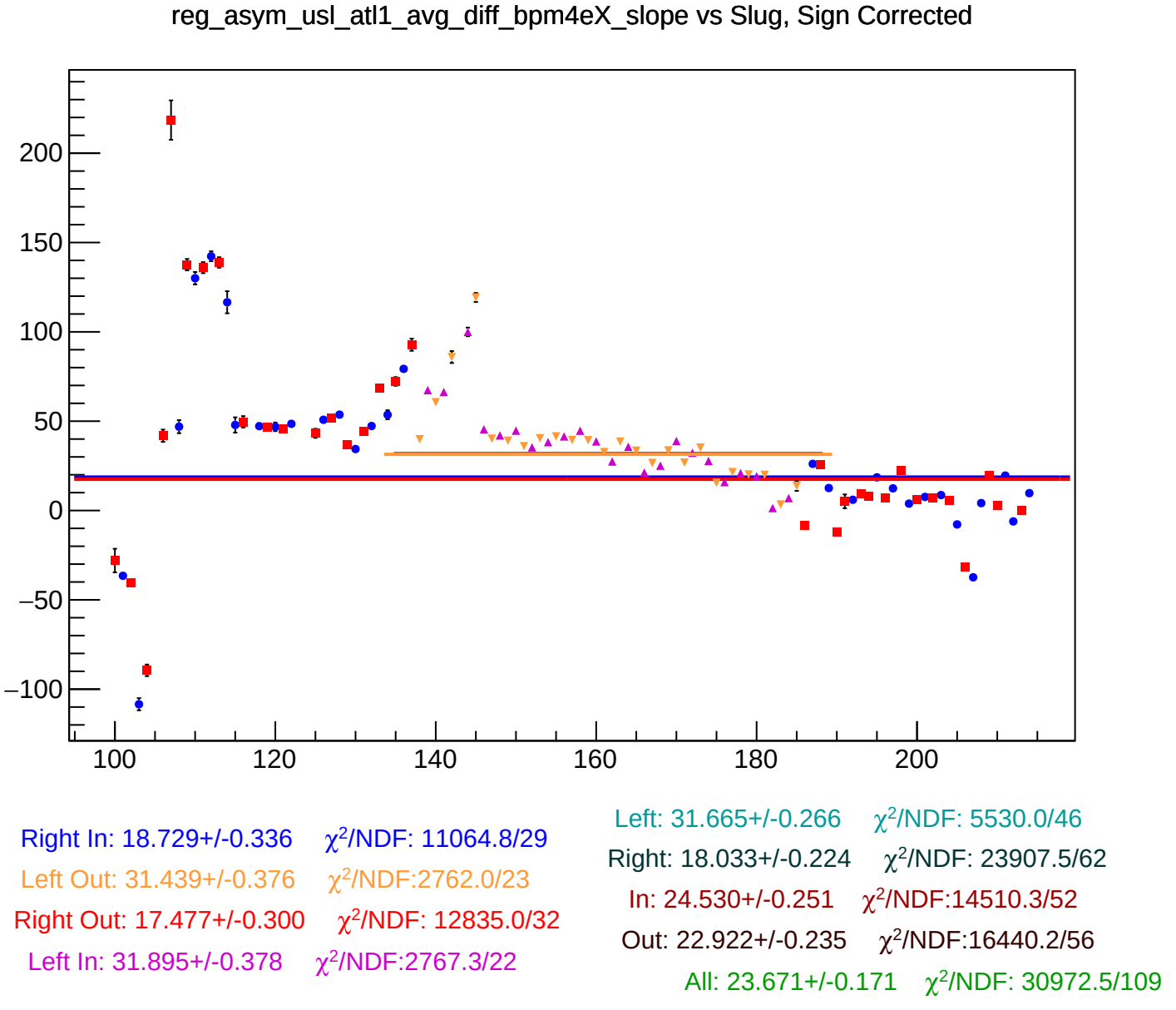
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 9.044+/-0.273 χ^2/NDF: 1470.7/62

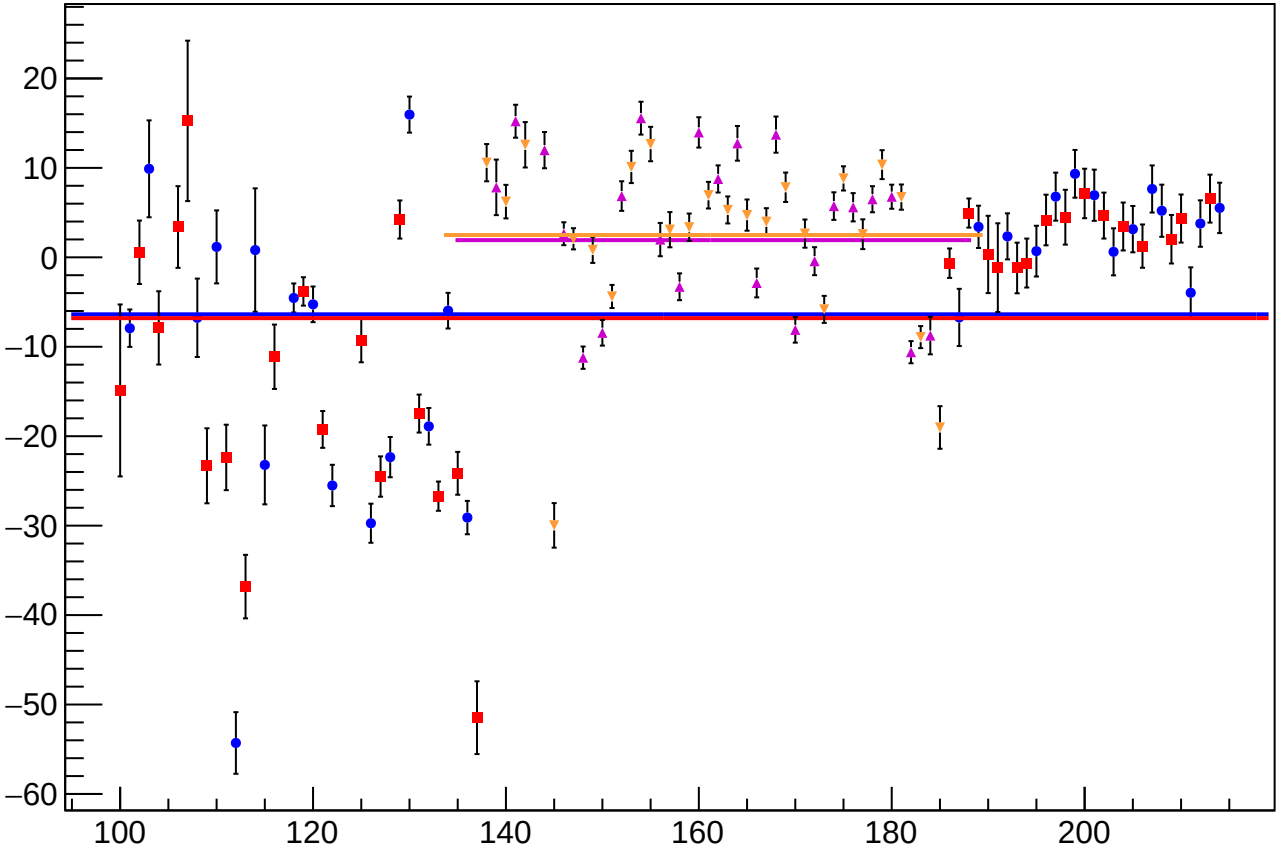
In: 6.567+/-0.236 χ^2/NDF:1178.1/52

Out: 6.522+/-0.229 χ^2/NDF:1160.4/56

All: 6.544+/-0.164 χ^2/NDF: 2338.5/109


reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 18.729+/-0.336 χ²/NDF: 11064.8/29
Left Out: 31.439+/-0.376 χ²/NDF:2762.0/23
Right Out: 17.477+/-0.300 χ²/NDF: 12835.0/32
Left In: 31.895+/-0.378 χ²/NDF:2767.3/22
Left: 31.665+/-0.266 χ²/NDF: 5530.0/46
Right: 18.033+/-0.224 χ²/NDF: 23907.5/62
In: 24.530+/-0.251 χ²/NDF:14510.3/52
Out: 22.922+/-0.235 χ²/NDF:16440.2/56
All: 23.671+/-0.171 χ²/NDF: 30972.5/109

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

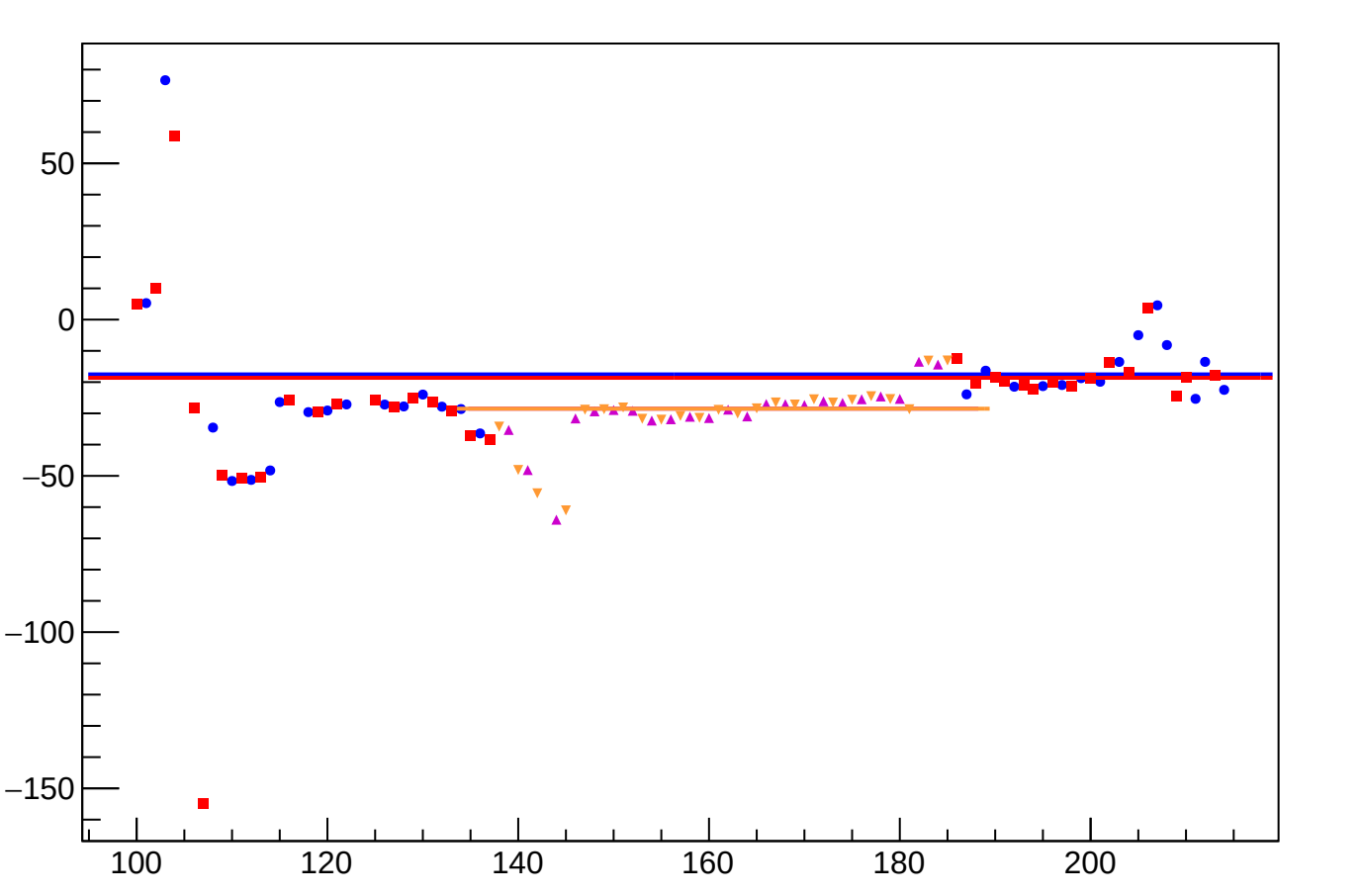
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -6.592+/-0.323 χ^2/NDF: 1809.0/62

In: -0.904+/-0.270 χ^2/NDF:1870.3/52

Out: -0.690+/-0.265 χ^2/NDF:1665.6/56

All: -0.795+/-0.189 χ^2/NDF: 3536.2/109



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

Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

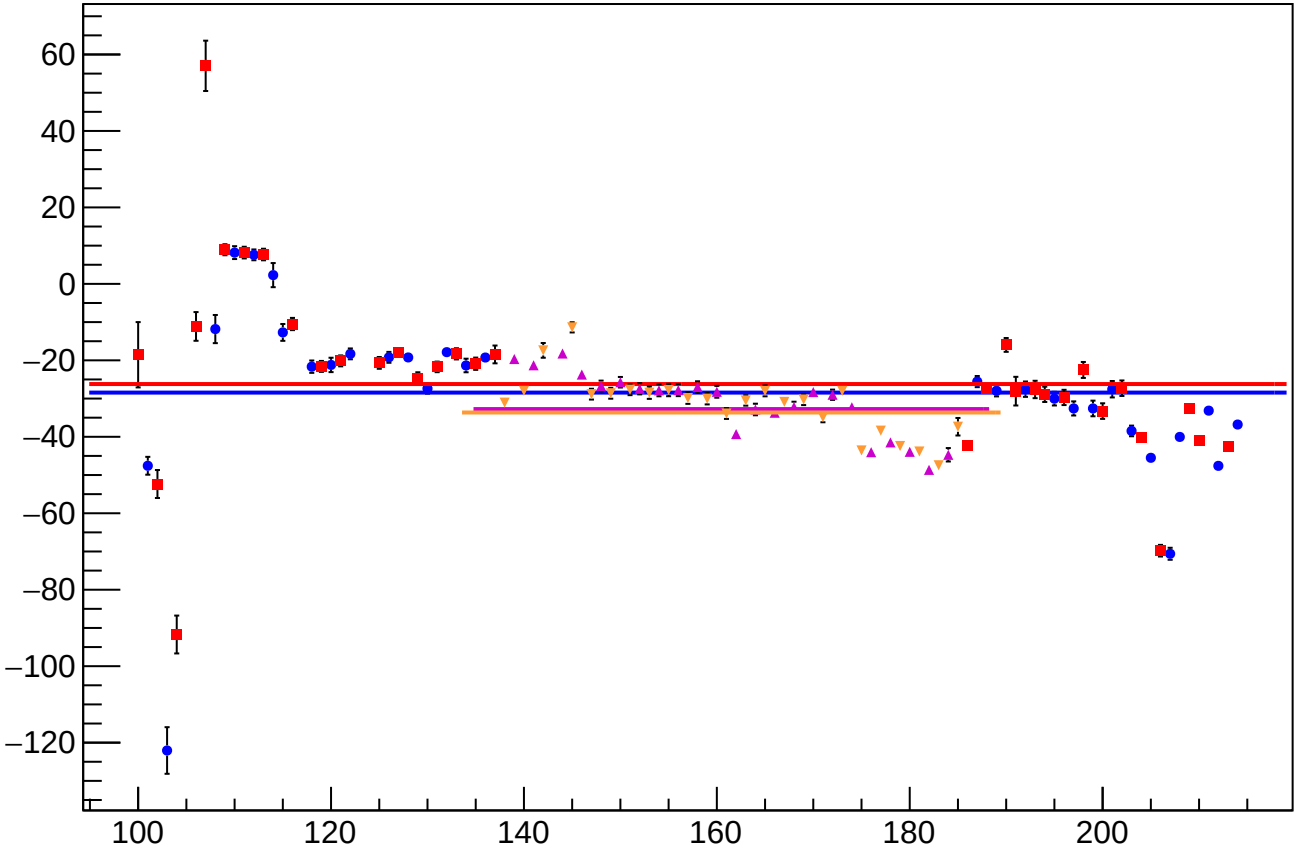
Right: -18.087+/-0.015 χ^2/NDF: 1358977.9/62

In: -24.983+/-0.012 χ^2/NDF:1195639.7/52

Out: -25.261+/-0.012 χ^2/NDF:1106738.1/56

All: -25.124+/-0.009 χ^2/NDF: 2302638.7/109

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

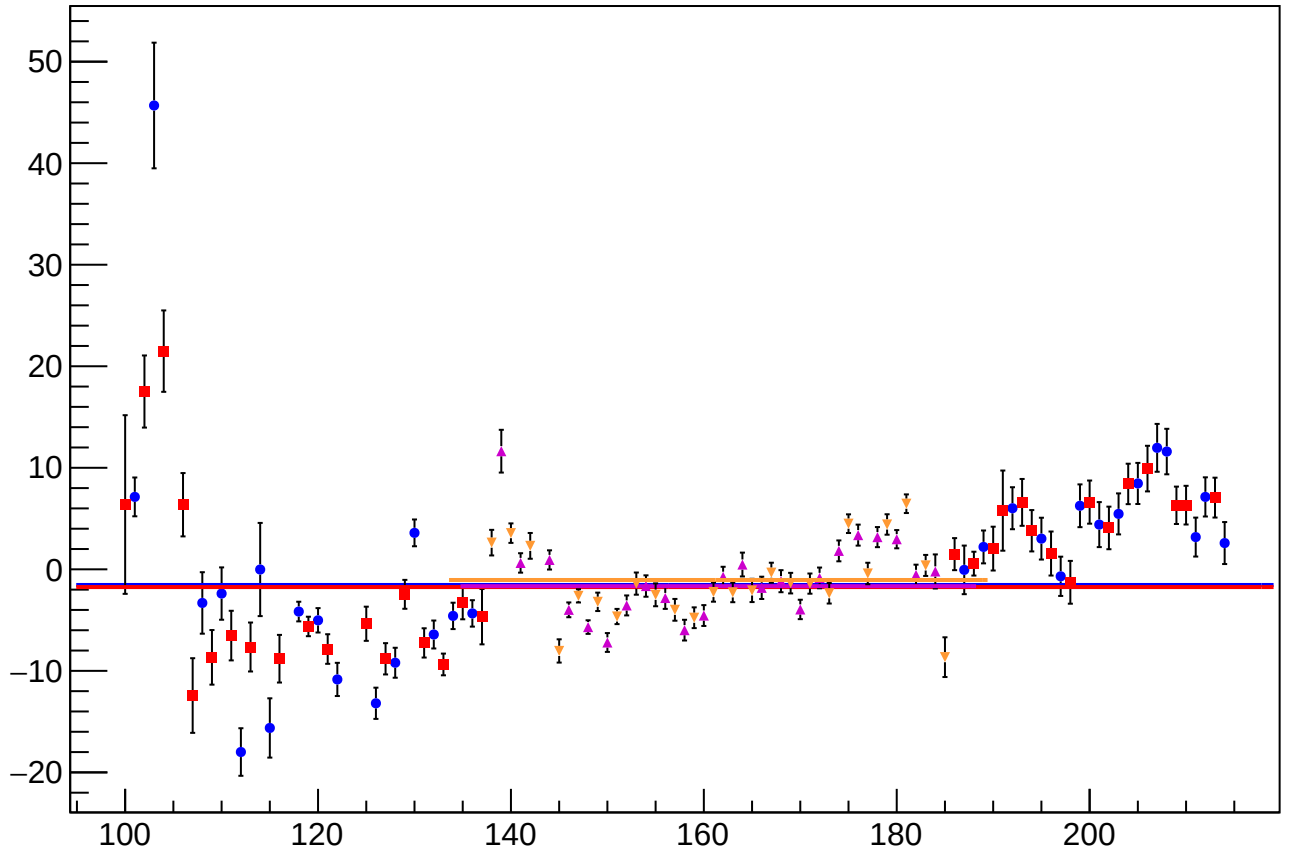
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -27.307+/-0.192 χ^2/NDF: 7310.9/62

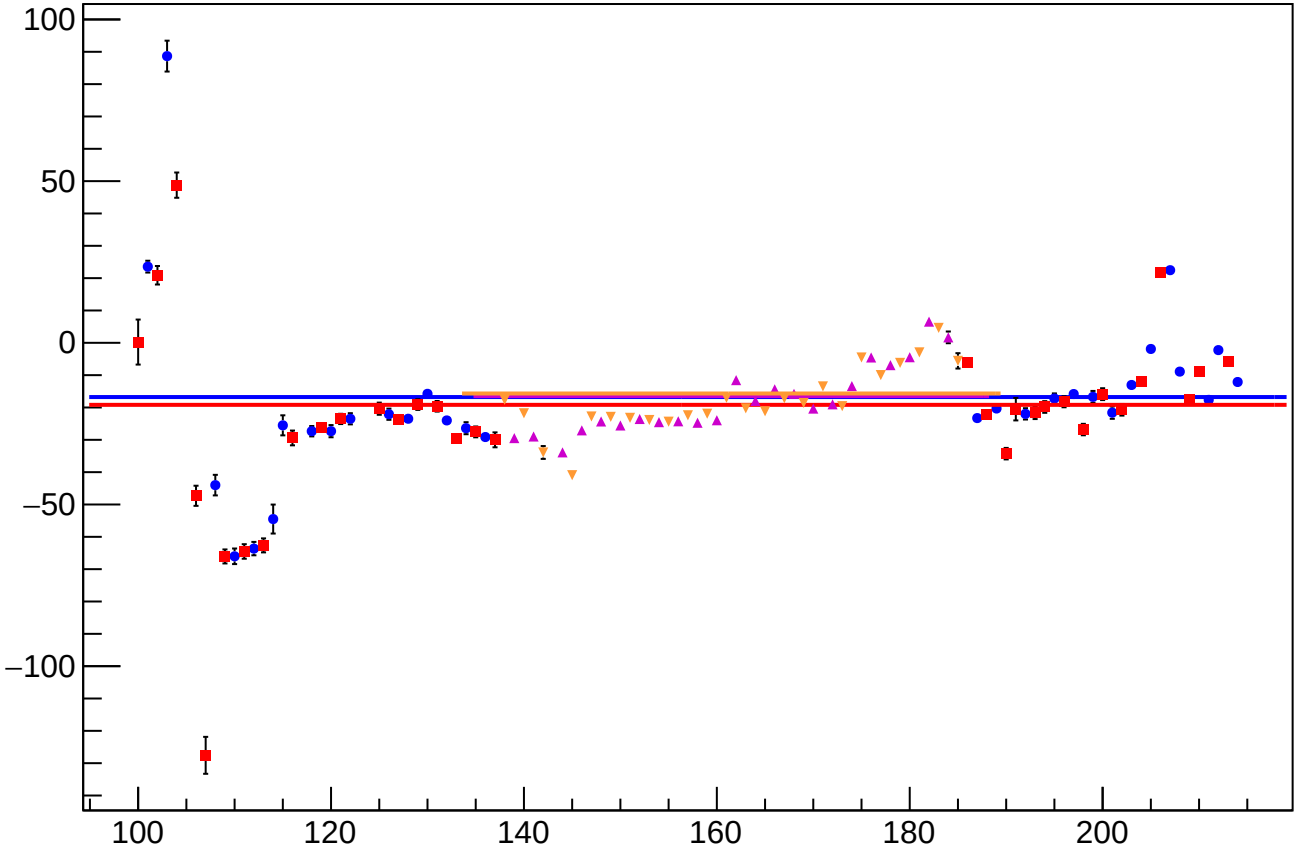
In: -30.629+/-0.191 χ^2/NDF:4659.7/52

Out: -29.993+/-0.189 χ^2/NDF:5290.0/56

All: -30.307+/-0.135 χ^2/NDF: 9955.3/109


reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -1.541+/-0.323 χ²/NDF: 501.3/29
Left Out: -1.050+/-0.203 χ²/NDF:289.4/23
Right Out: -1.747+/-0.321 χ²/NDF: 402.8/32
Left In: -1.659+/-0.207 χ²/NDF:264.4/22
Left: -1.349+/-0.145 χ²/NDF: 558.2/46
Right: -1.645+/-0.228 χ²/NDF: 904.3/62
In: -1.624+/-0.174 χ²/NDF:765.7/52
Out: -1.249+/-0.172 χ²/NDF:695.6/56
All: -1.434+/-0.122 χ²/NDF: 1463.7/109

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

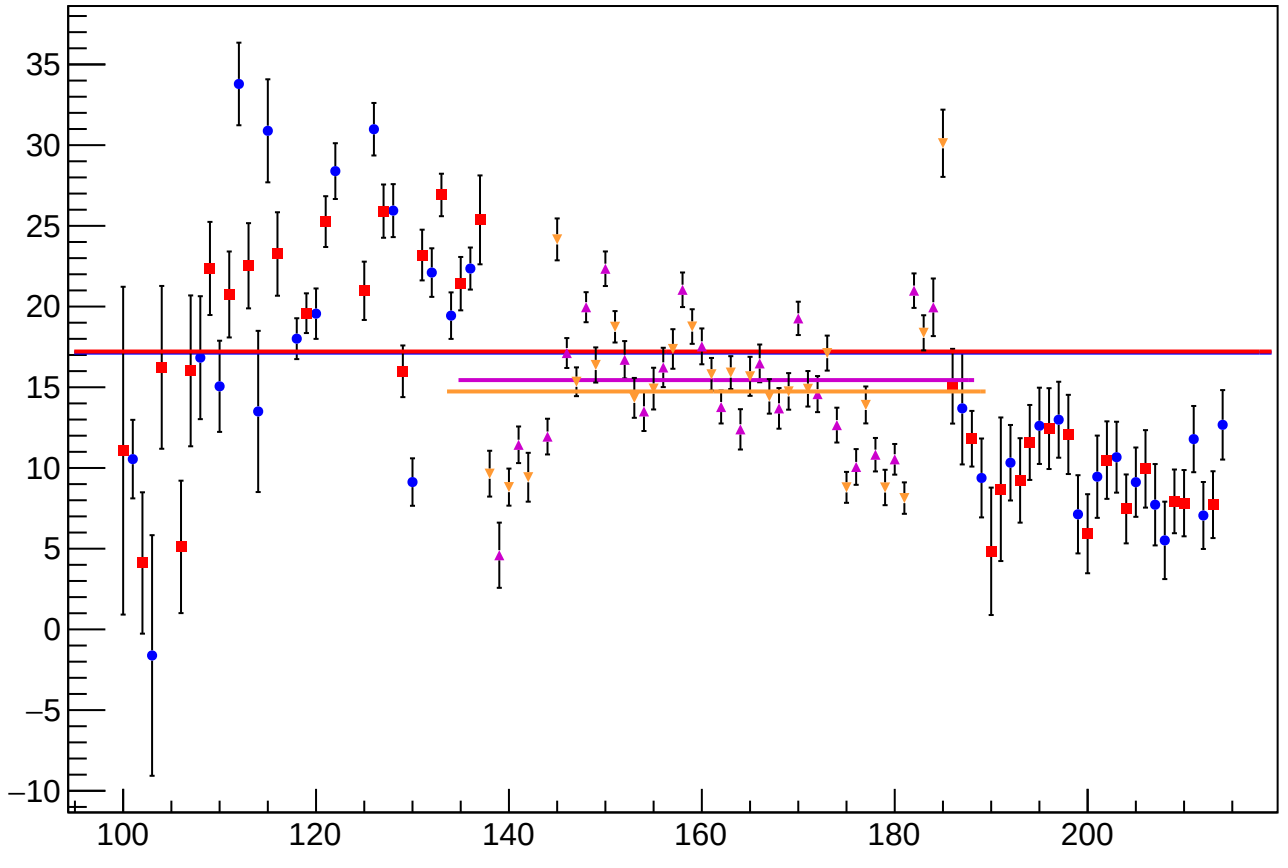
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -18.018+/-0.196 χ^2/NDF: 7213.5/62

In: -16.617+/-0.193 χ^2/NDF:5149.9/52

Out: -17.369+/-0.189 χ^2/NDF:5330.6/56

All: -17.001+/-0.135 χ^2/NDF: 10488.3/109



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

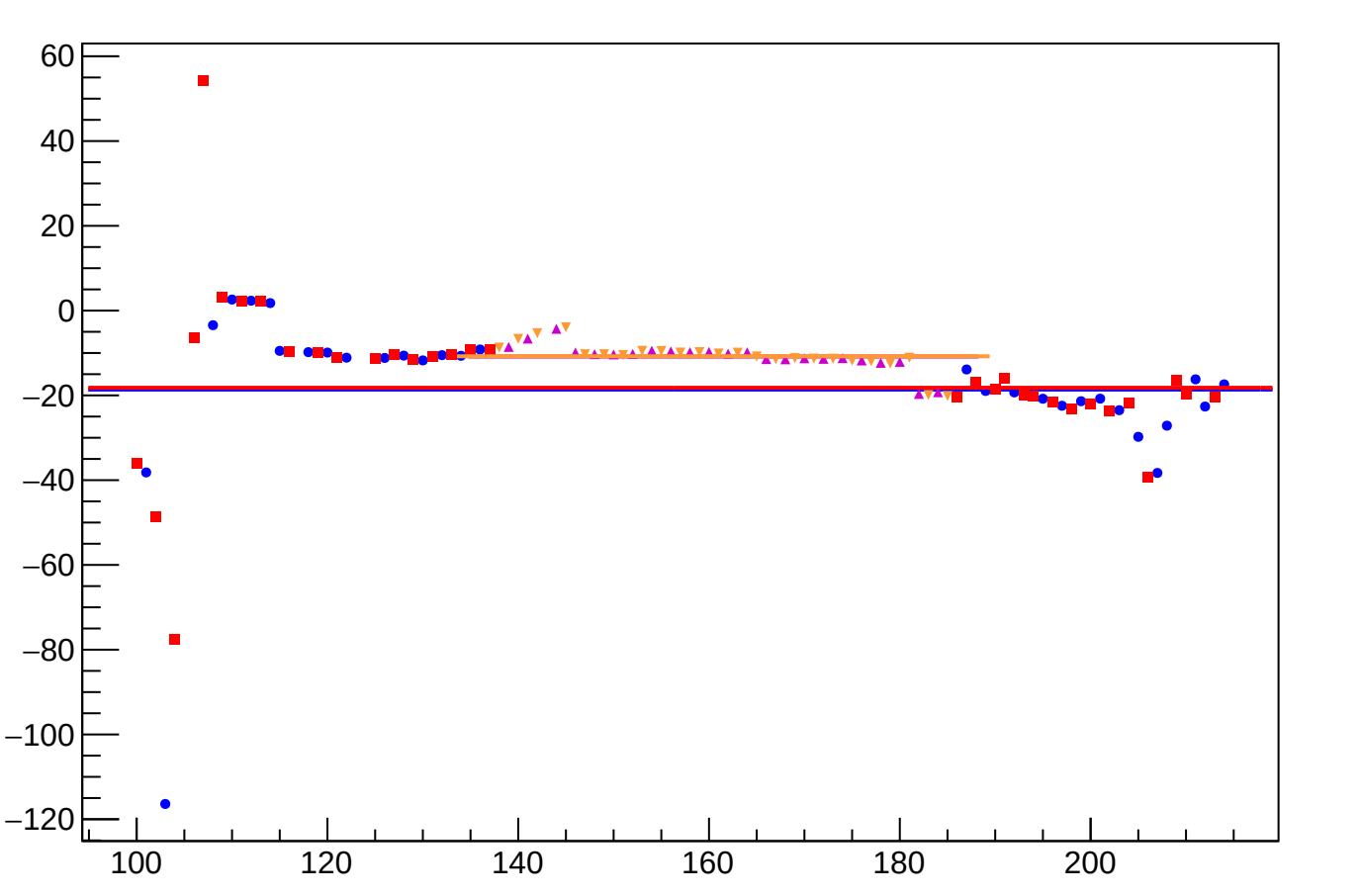
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 17.180+/-0.263 χ^2/NDF: 778.4/62

In: 15.928+/-0.197 χ^2/NDF:734.1/52

Out: 15.415+/-0.196 χ^2/NDF:712.5/56

All: 15.670+/-0.139 χ^2/NDF: 1450.1/109



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

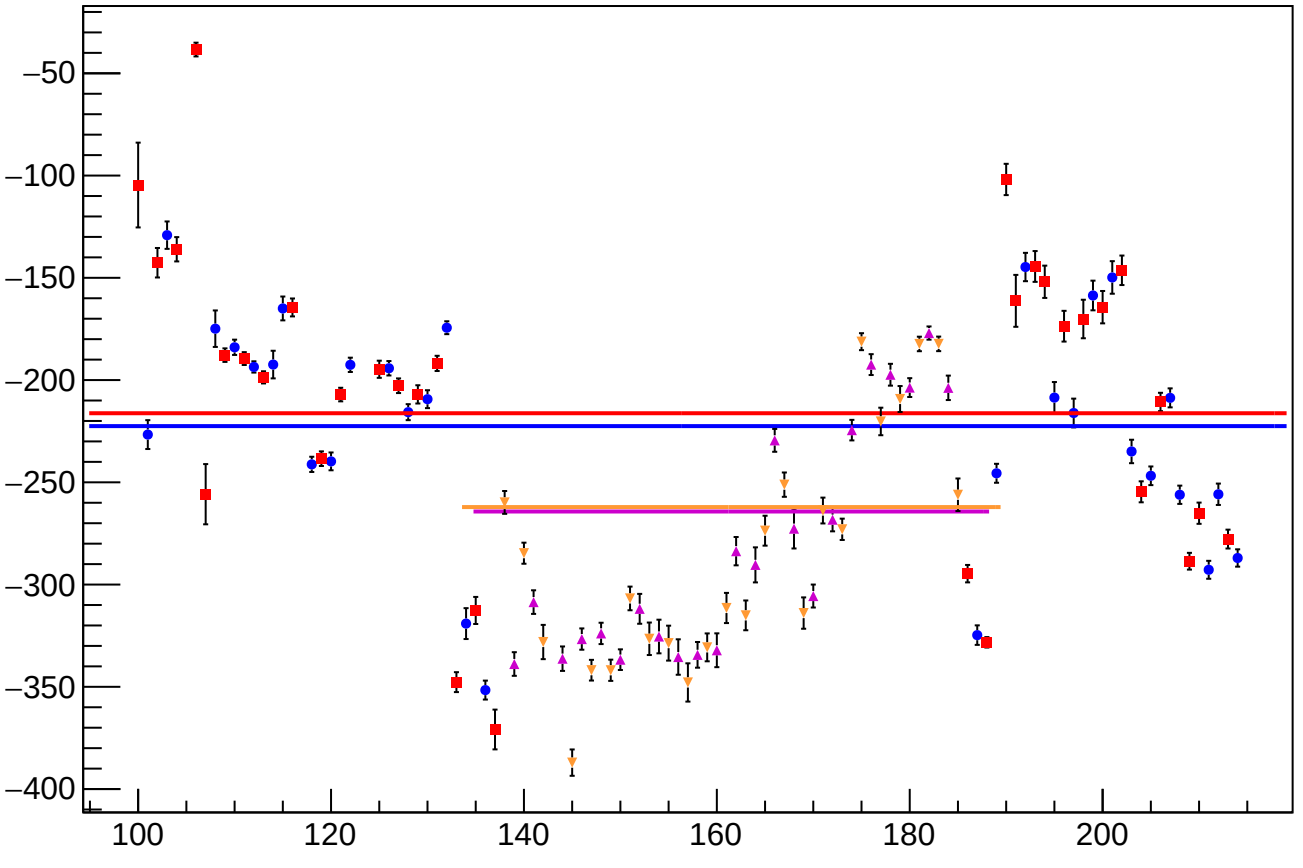
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -18.414+/-0.013 χ^2/NDF: 889850.9/62

In: -12.744+/-0.009 χ^2/NDF:670352.9/52

Out: -12.589+/-0.009 χ^2/NDF:645164.2/56

All: -12.667+/-0.006 χ^2/NDF: 1315667.3/109



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

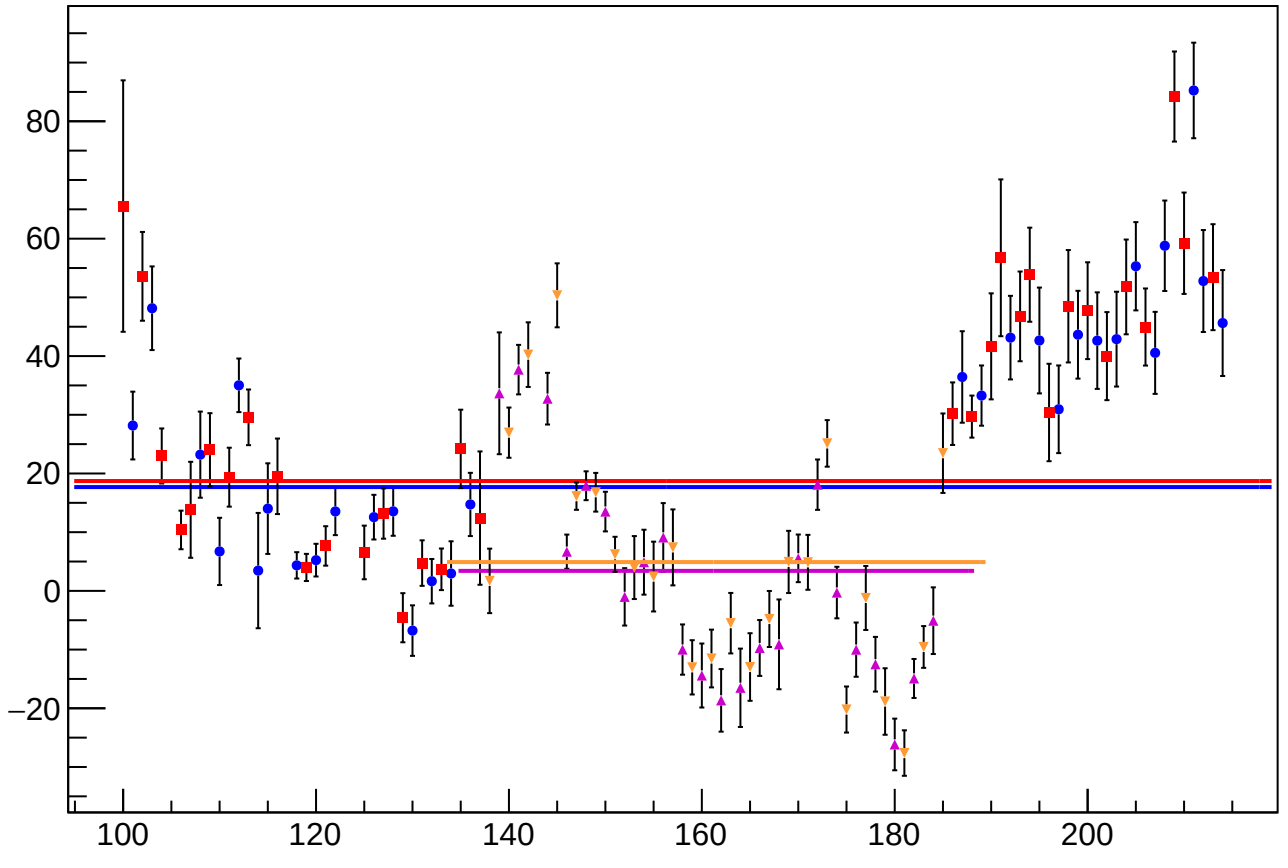
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -219.174+/-0.583 χ^2/NDF: 11607.4/62

In: -236.708+/-0.691 χ^2/NDF:6883.0/52

Out: -230.678+/-0.662 χ^2/NDF:12257.7/56

All: -233.563+/-0.478 χ^2/NDF: 19180.4/109



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

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

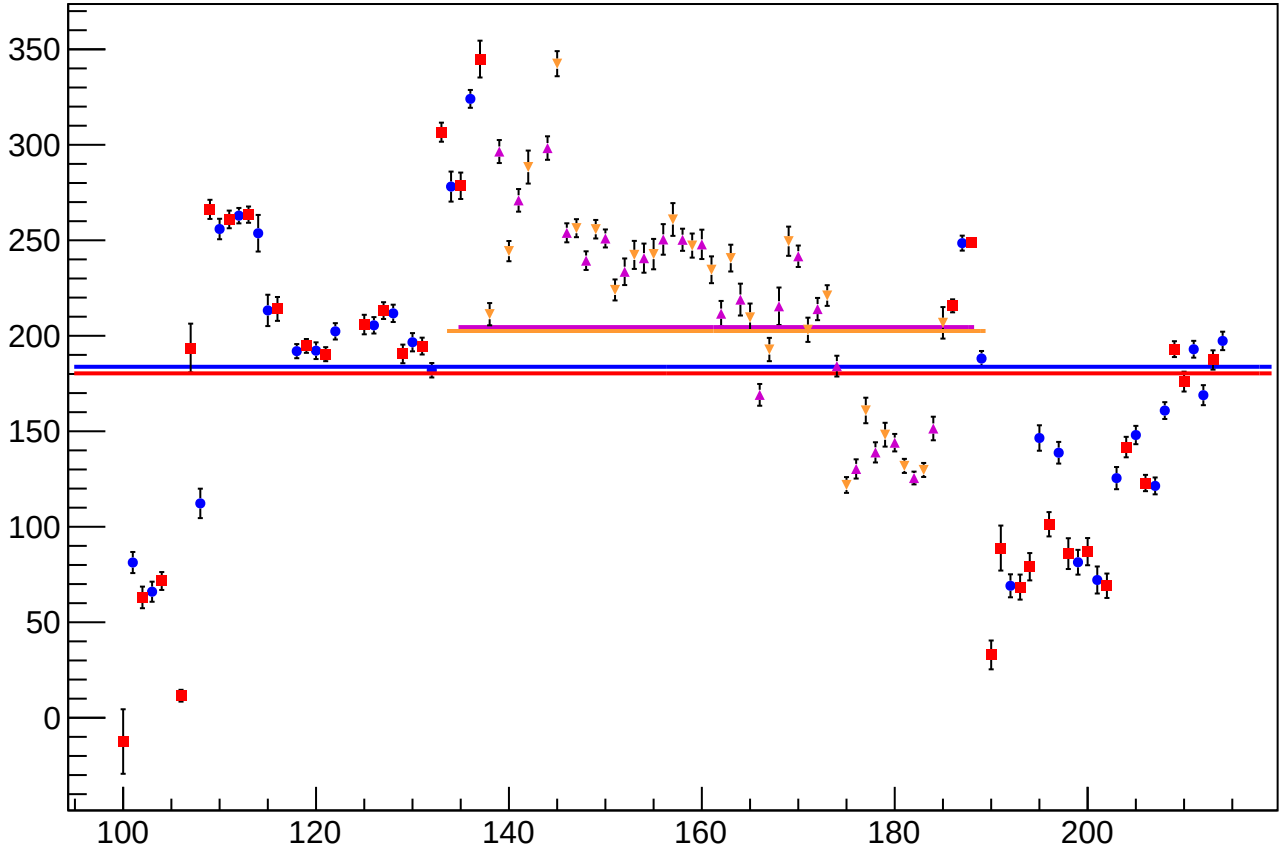
Right: 18.219+/-0.652 χ^2/NDF: 787.3/62

In: 10.233+/-0.651 χ^2/NDF:841.5/52

Out: 11.668+/-0.633 χ^2/NDF:916.3/56

All: 10.970+/-0.454 χ^2/NDF: 1760.3/109

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

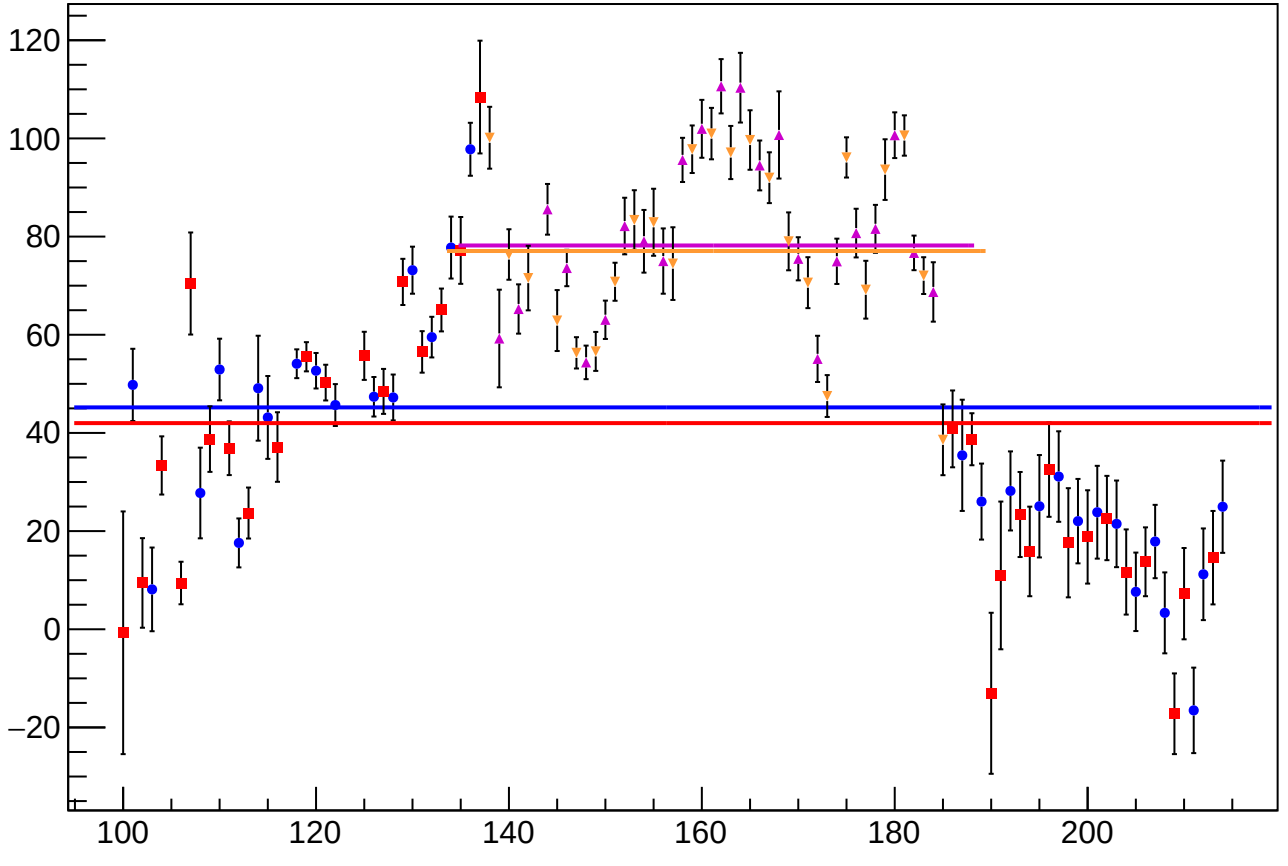
Right: 181.897+/-0.610 χ^2/NDF: 13845.8/62

In: 191.473+/-0.716 χ^2/NDF:6819.7/52

Out: 187.693+/-0.676 χ^2/NDF:12132.7/56

All: 189.472+/-0.492 χ^2/NDF: 18967.1/109

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

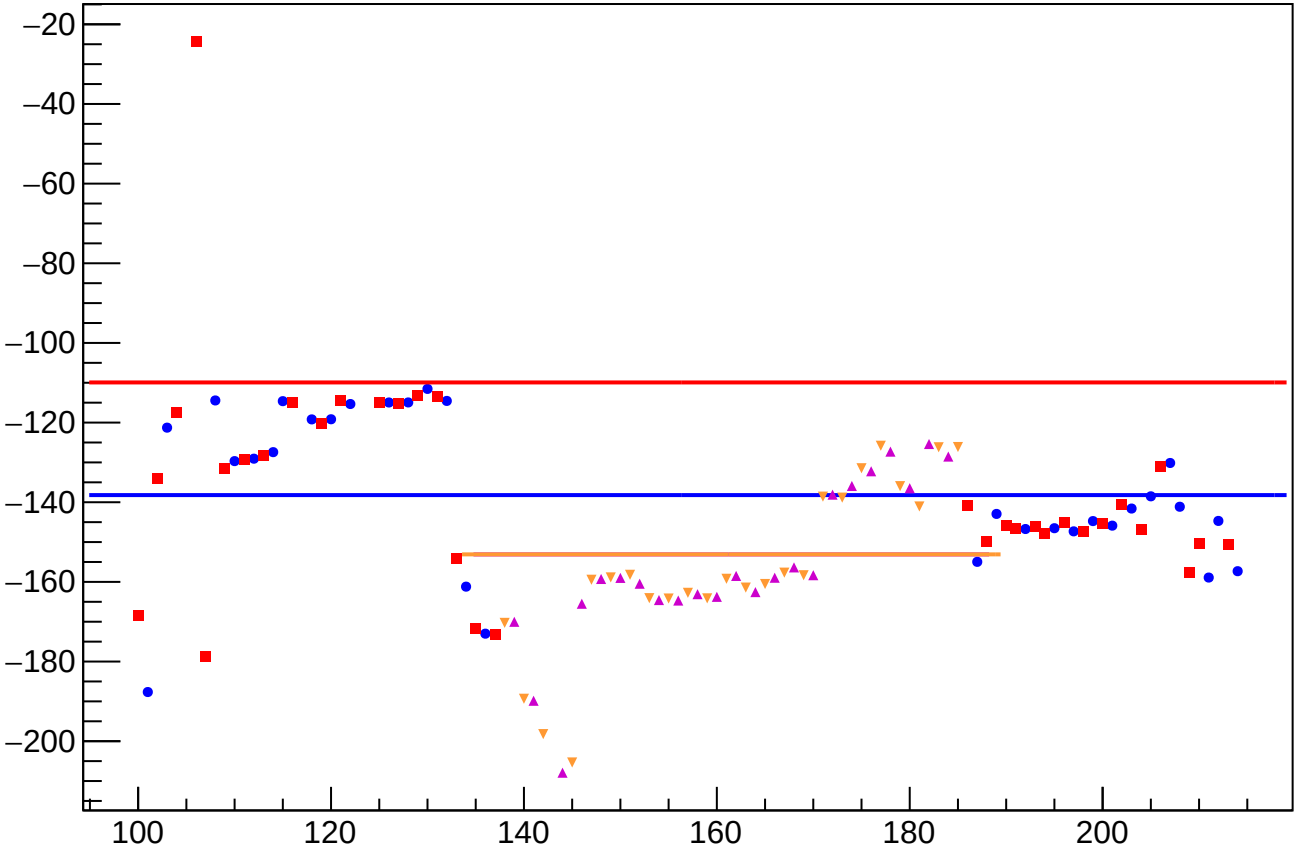
Right: 43.558+/-0.765 χ^2/NDF: 824.4/62

In: 62.800+/-0.749 χ^2/NDF:1118.3/52

Out: 60.404+/-0.736 χ^2/NDF:1294.8/56

All: 61.580+/-0.525 χ^2/NDF: 2418.2/109

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

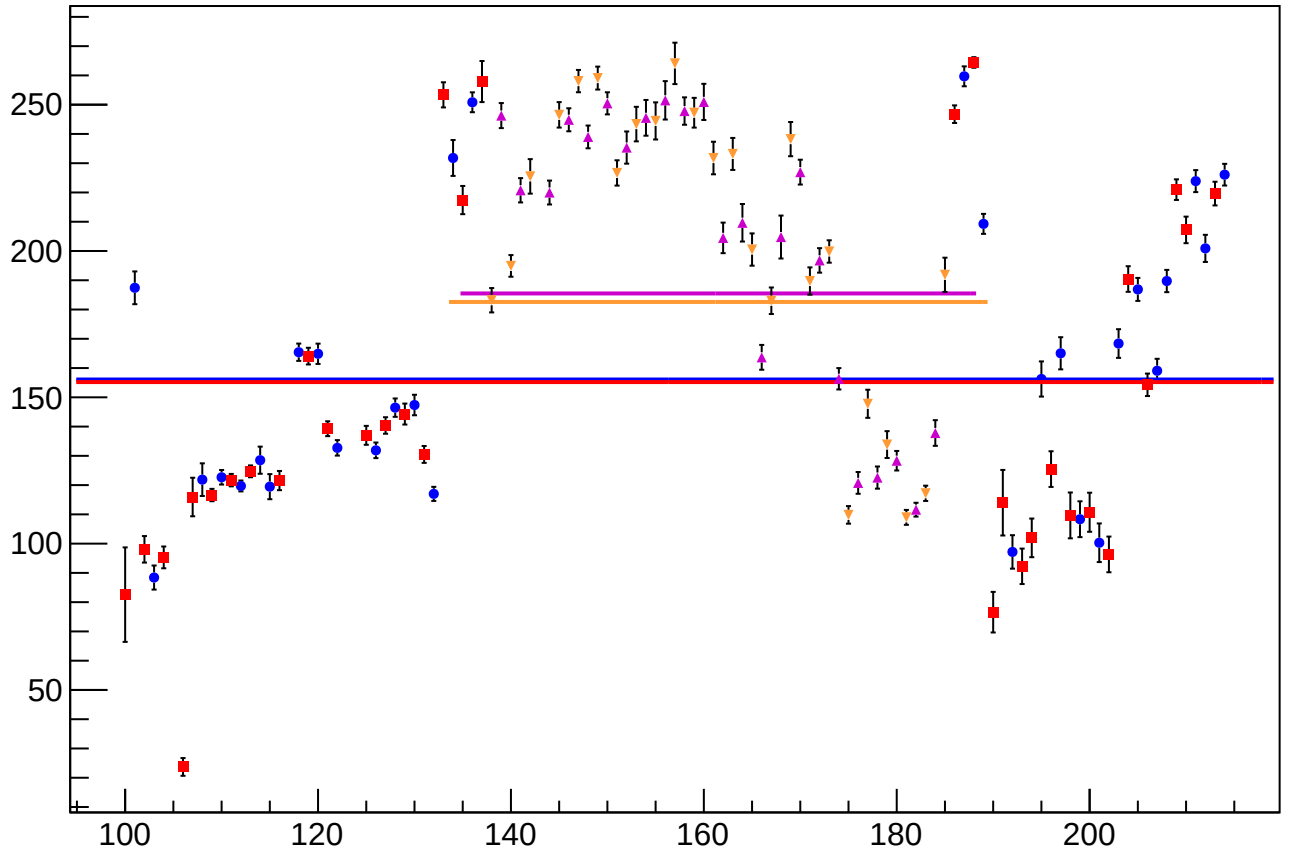
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -121.892+/-0.039 χ^2/NDF: 1257893.0/62

In: -147.420+/-0.037 χ^2/NDF:313809.1/52

Out: -133.247+/-0.034 χ^2/NDF:1585490.1/56

All: -139.898+/-0.025 χ^2/NDF: 1978545.3/10



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

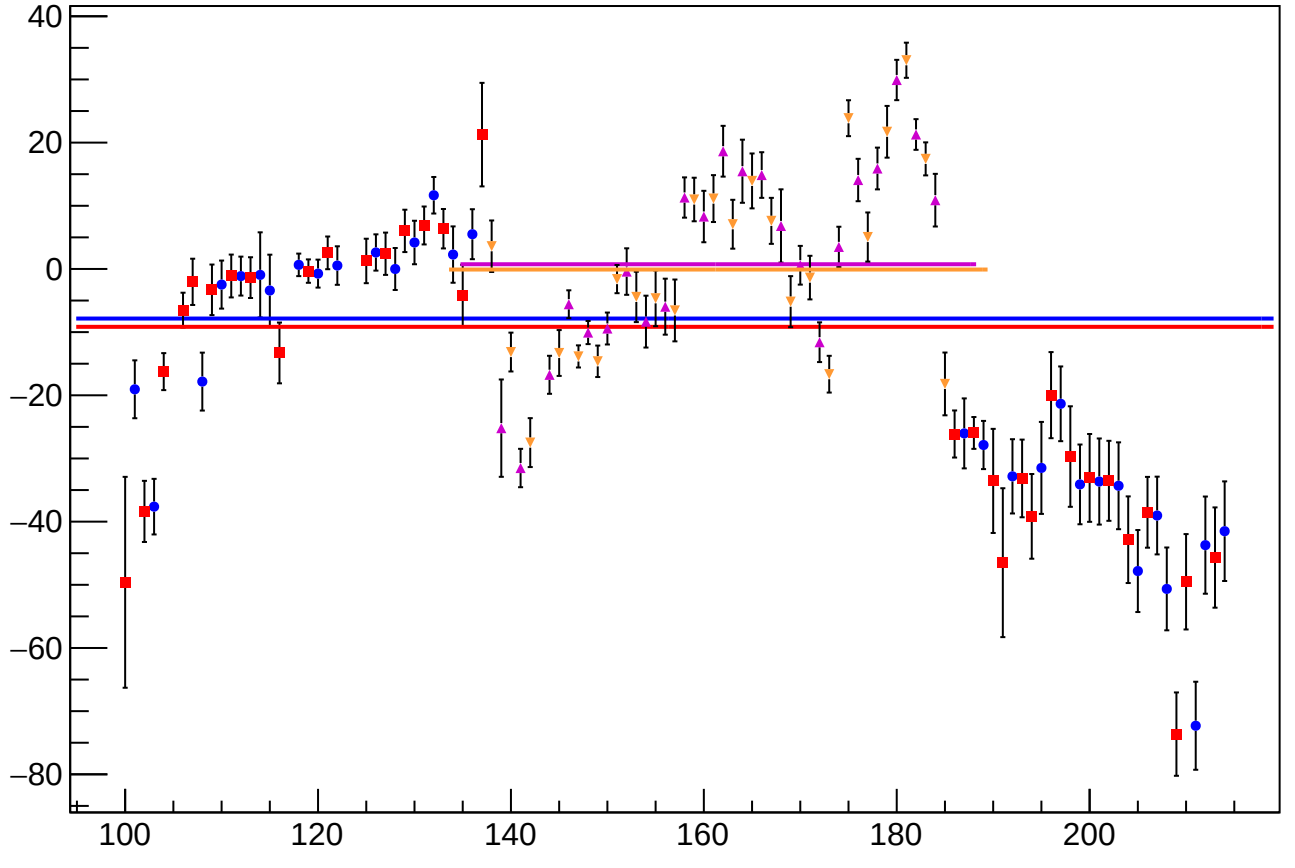
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 155.613+/-0.442 χ^2/NDF: 14969.6/62

In: 166.593+/-0.522 χ^2/NDF:9279.4/52

Out: 164.146+/-0.495 χ^2/NDF:15067.9/56

All: 165.305+/-0.359 χ^2/NDF: 24358.9/109



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

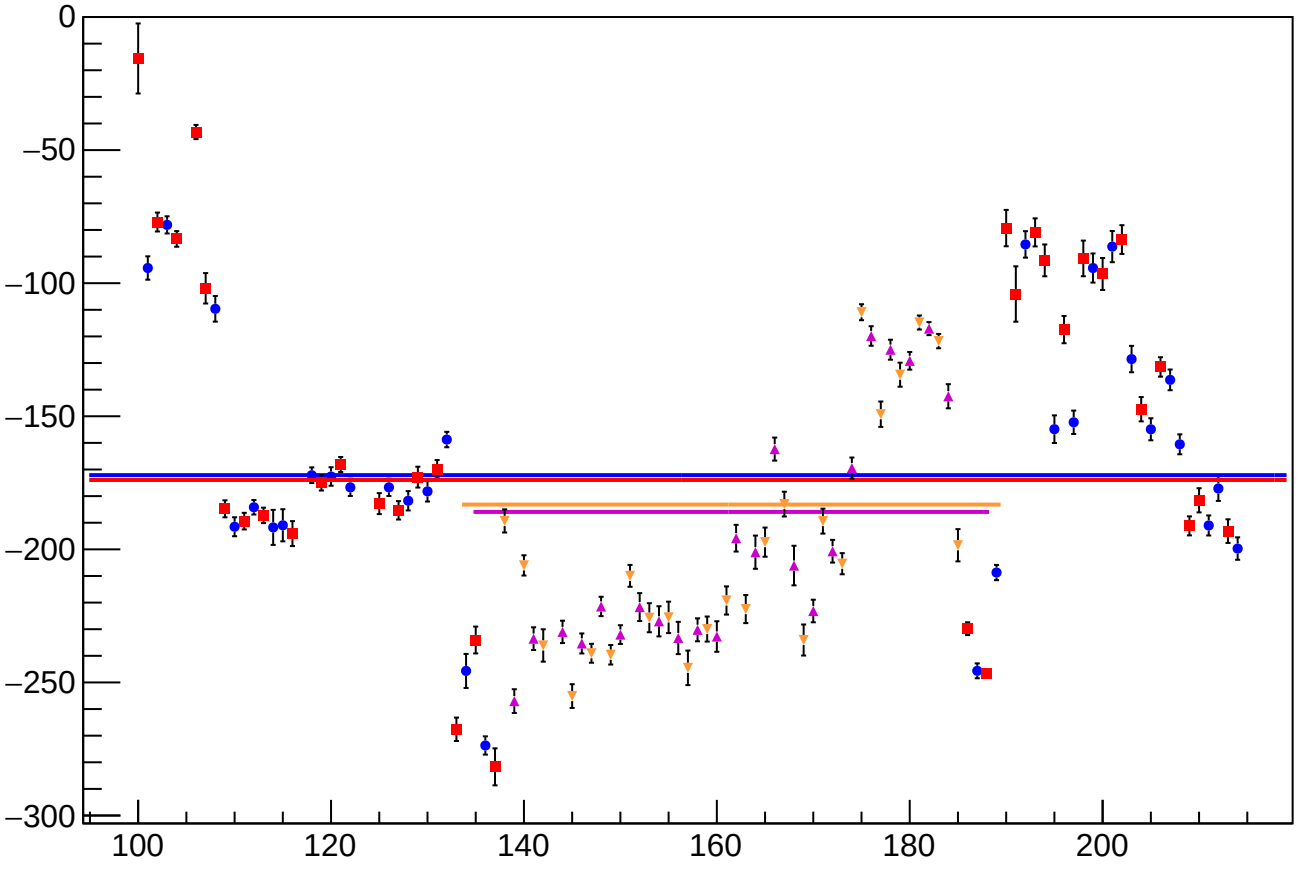
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -8.541+/-0.498 χ^2/NDF: 1122.4/62

In: -3.183+/-0.490 χ^2/NDF:1123.1/52

Out: -4.411+/-0.474 χ^2/NDF:1218.4/56

All: -3.818+/-0.341 χ^2/NDF: 2344.8/109



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

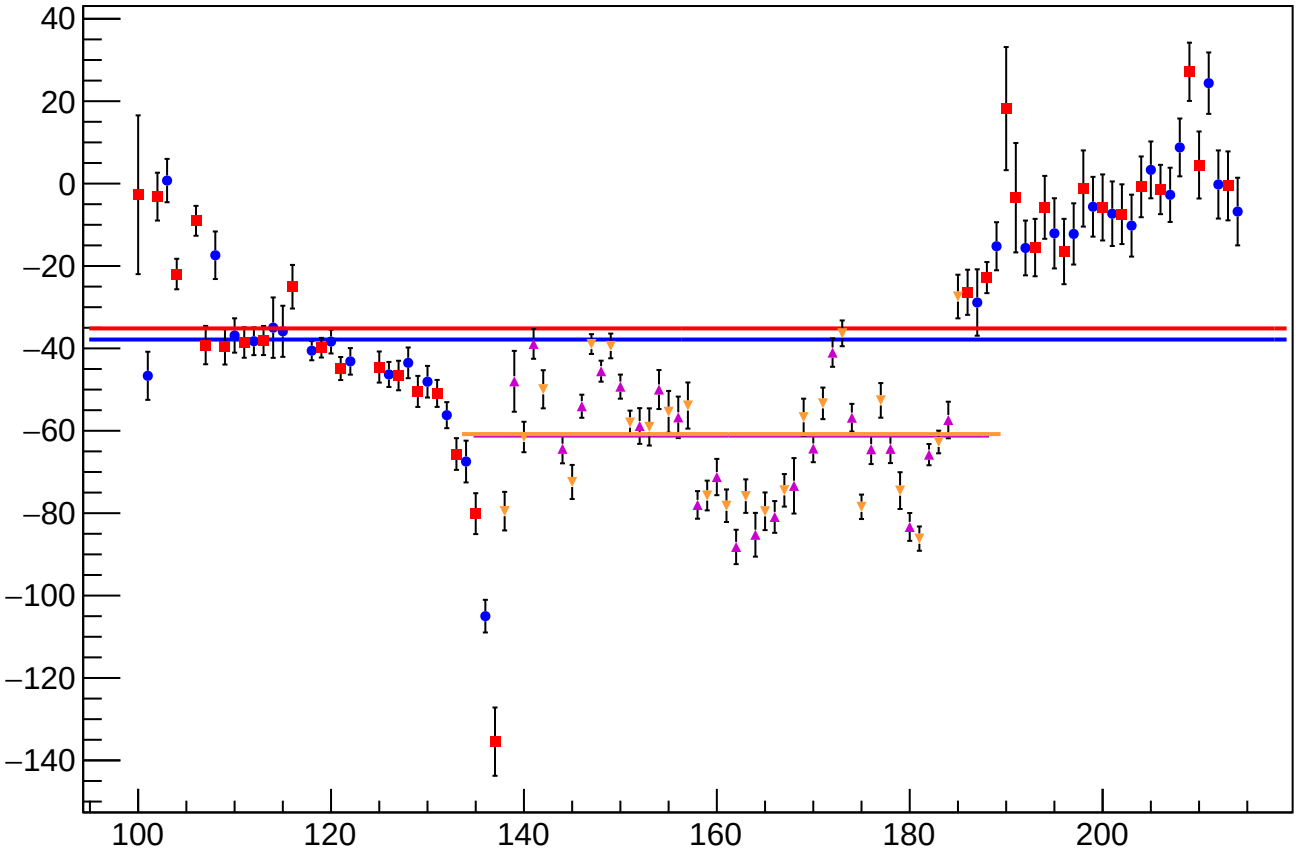
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -173.123+/-0.465 χ^2/NDF: 14354.6/62

In: -177.529+/-0.543 χ^2/NDF:7643.4/52

Out: -177.119+/-0.506 χ^2/NDF:13479.9/56

All: -177.310+/-0.370 χ^2/NDF: 21123.7/109



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

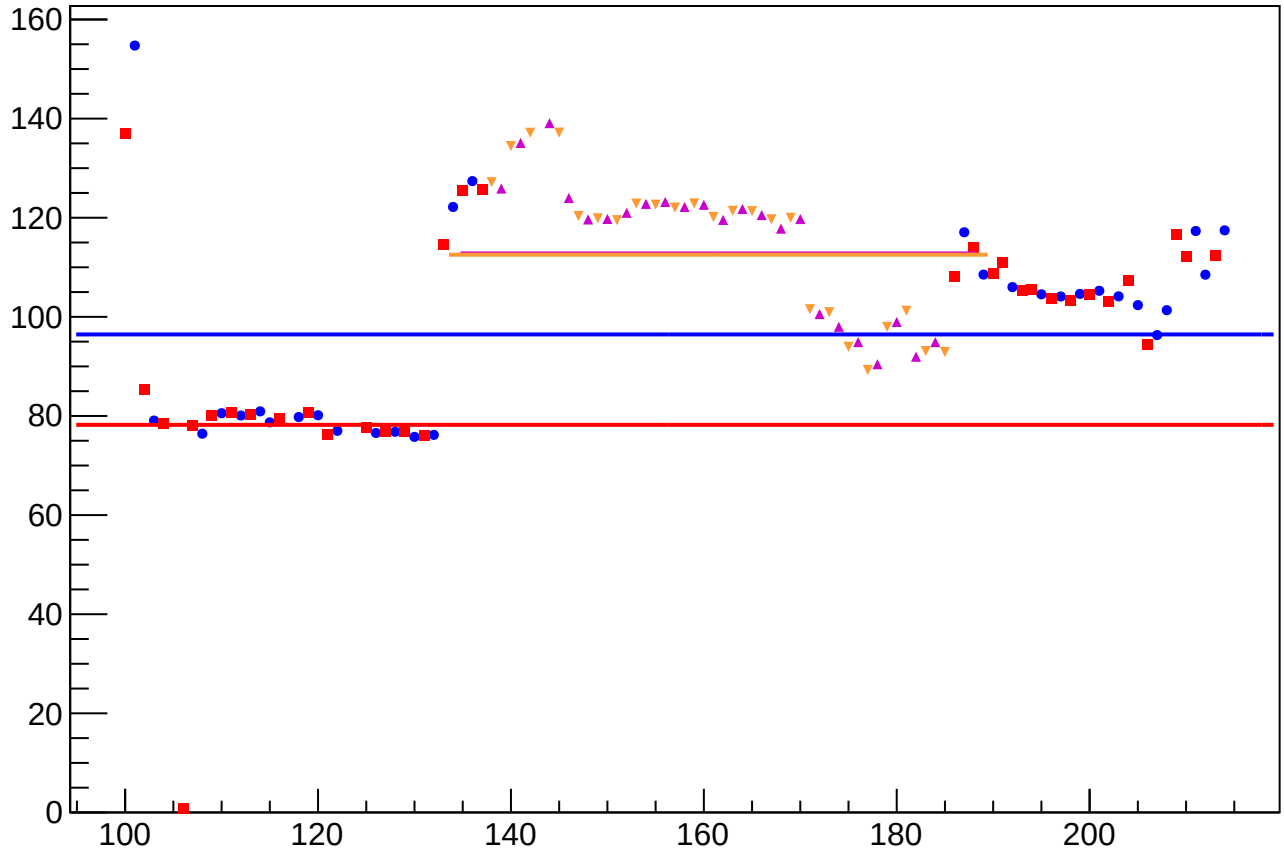
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -36.448+/-0.585 χ^2/NDF: 1502.2/62

In: -50.787+/-0.564 χ^2/NDF:1495.0/52

Out: -49.004+/-0.550 χ^2/NDF:1755.1/56

All: -49.874+/-0.394 χ^2/NDF: 3255.2/109



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

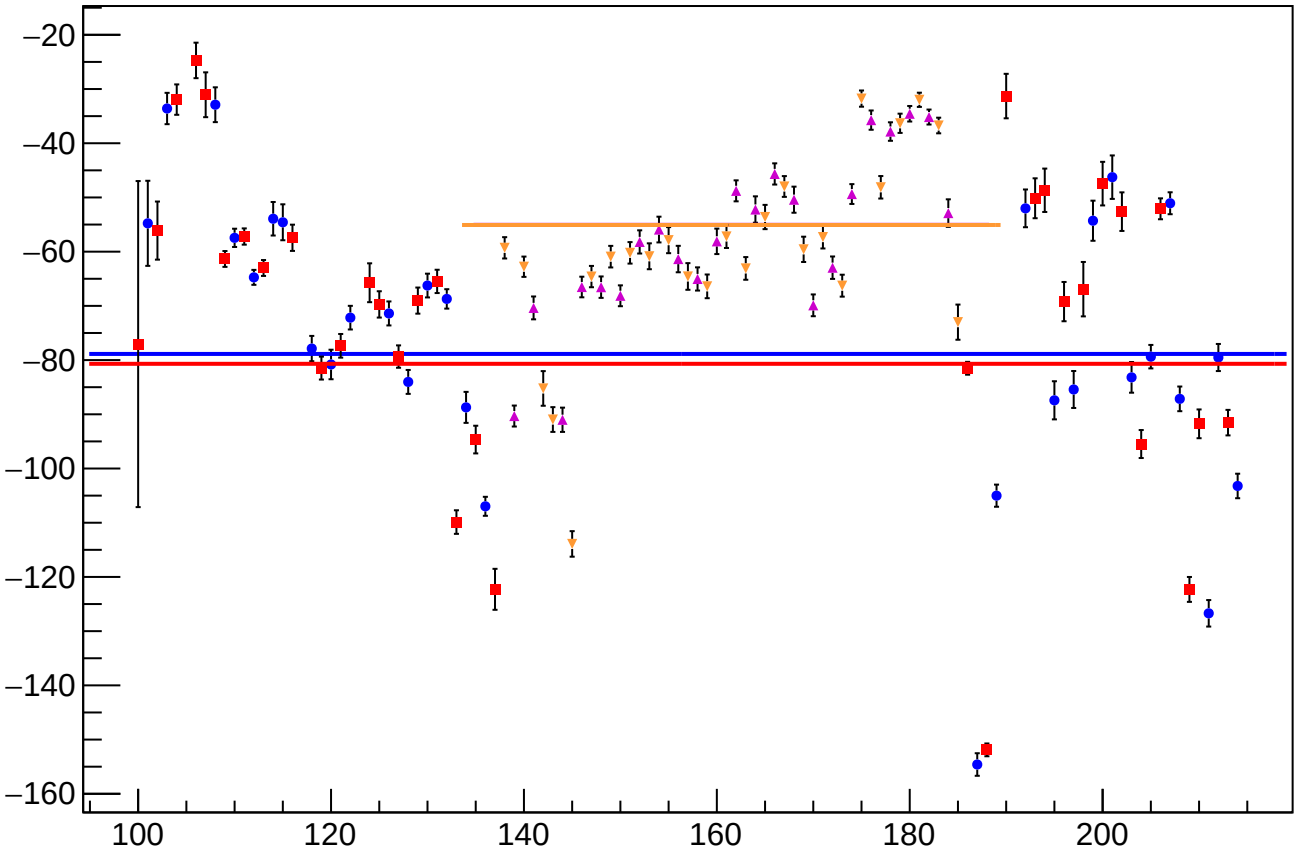
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 86.169+/-0.030 χ^2/NDF: 1193001.2/62

In: 106.870+/-0.027 χ^2/NDF:443556.1/52

Out: 97.929+/-0.026 χ^2/NDF:1506723.7/56

All: 102.186+/-0.019 χ^2/NDF: 2005694.9/109



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

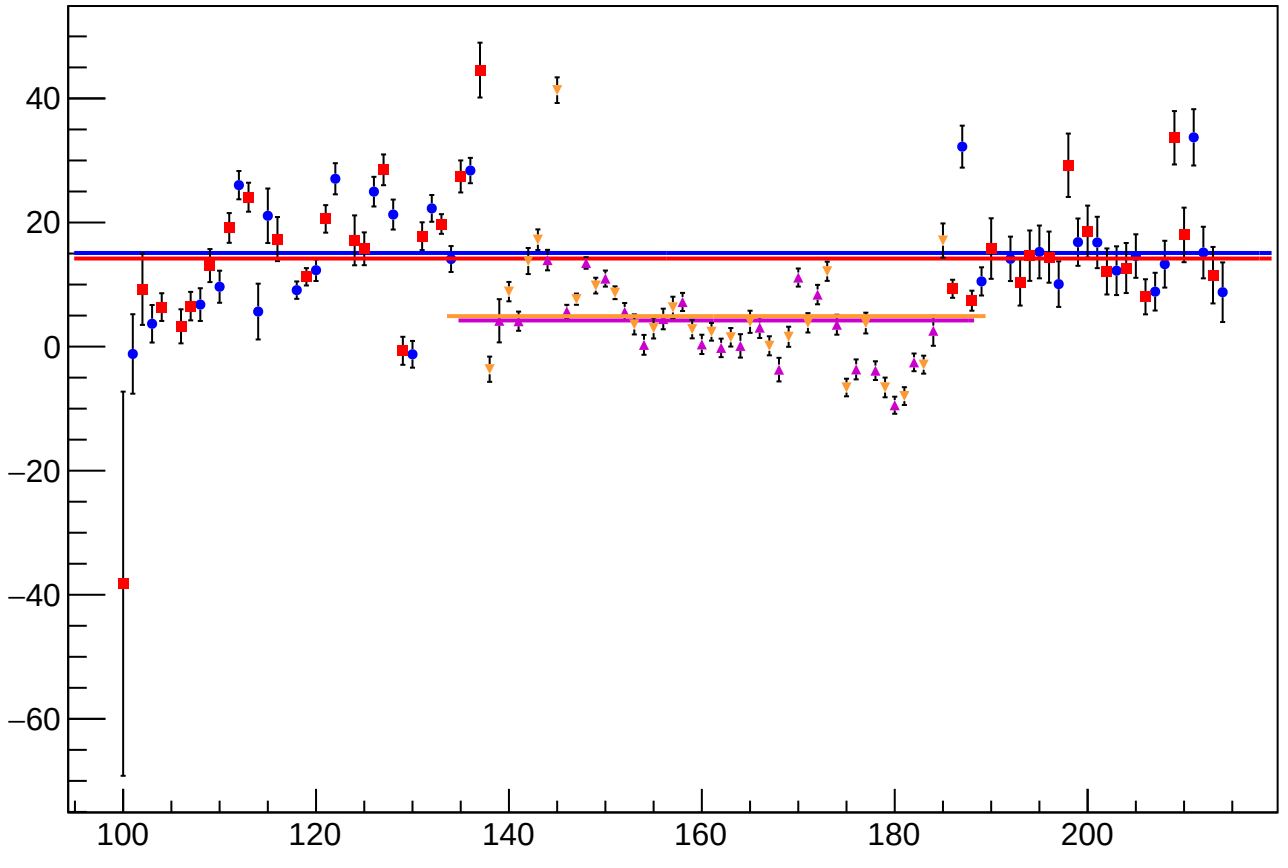
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -79.857+/-0.291 χ^2/NDF: 10138.3/62

In: -66.360+/-0.297 χ^2/NDF:6717.1/52

Out: -68.071+/-0.281 χ^2/NDF:10628.9/57

All: -67.263+/-0.204 χ^2/NDF: 17363.5/110



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

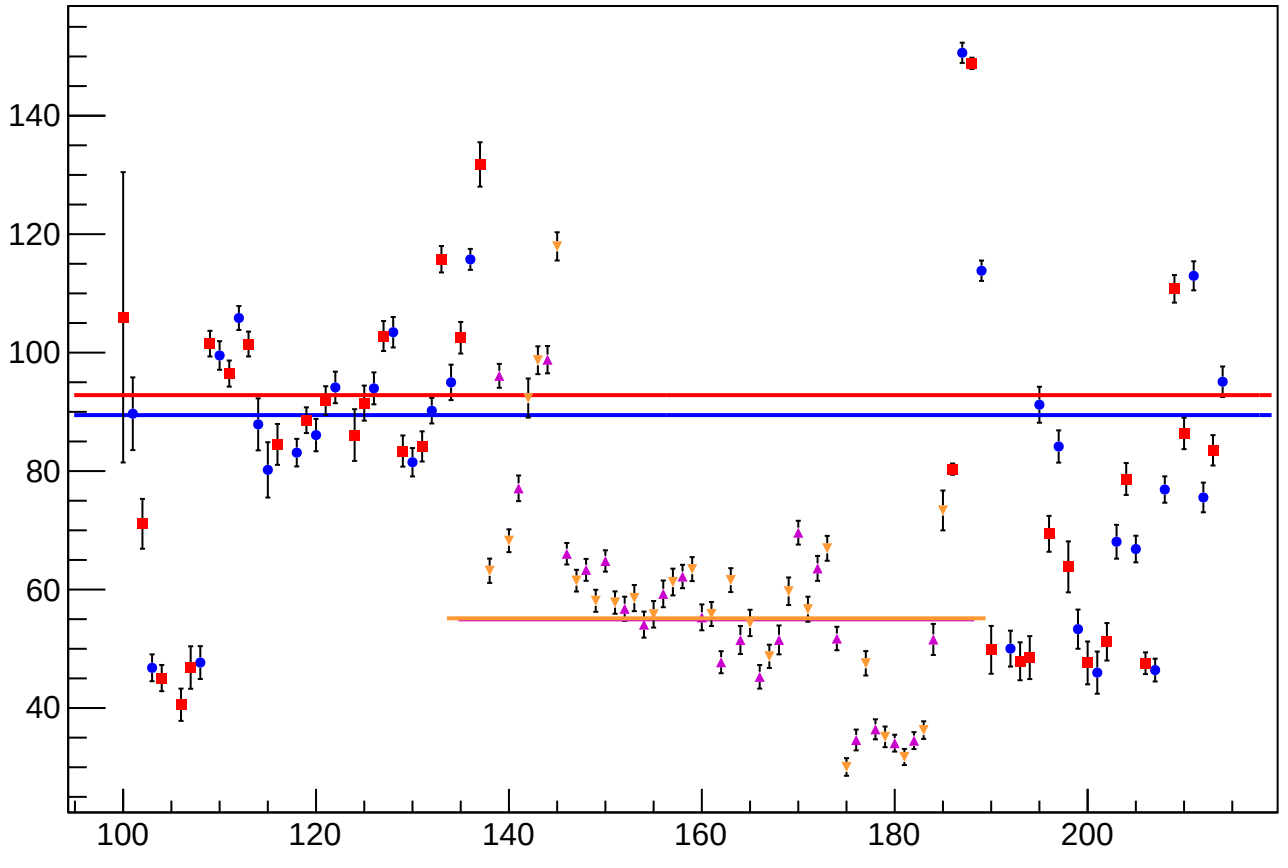
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.607+/-0.336 χ^2/NDF: 611.1/62

In: 7.297+/-0.264 χ^2/NDF:1056.8/52

Out: 7.732+/-0.251 χ^2/NDF:1341.4/57

All: 7.526+/-0.182 χ^2/NDF: 2399.6/110



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

Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

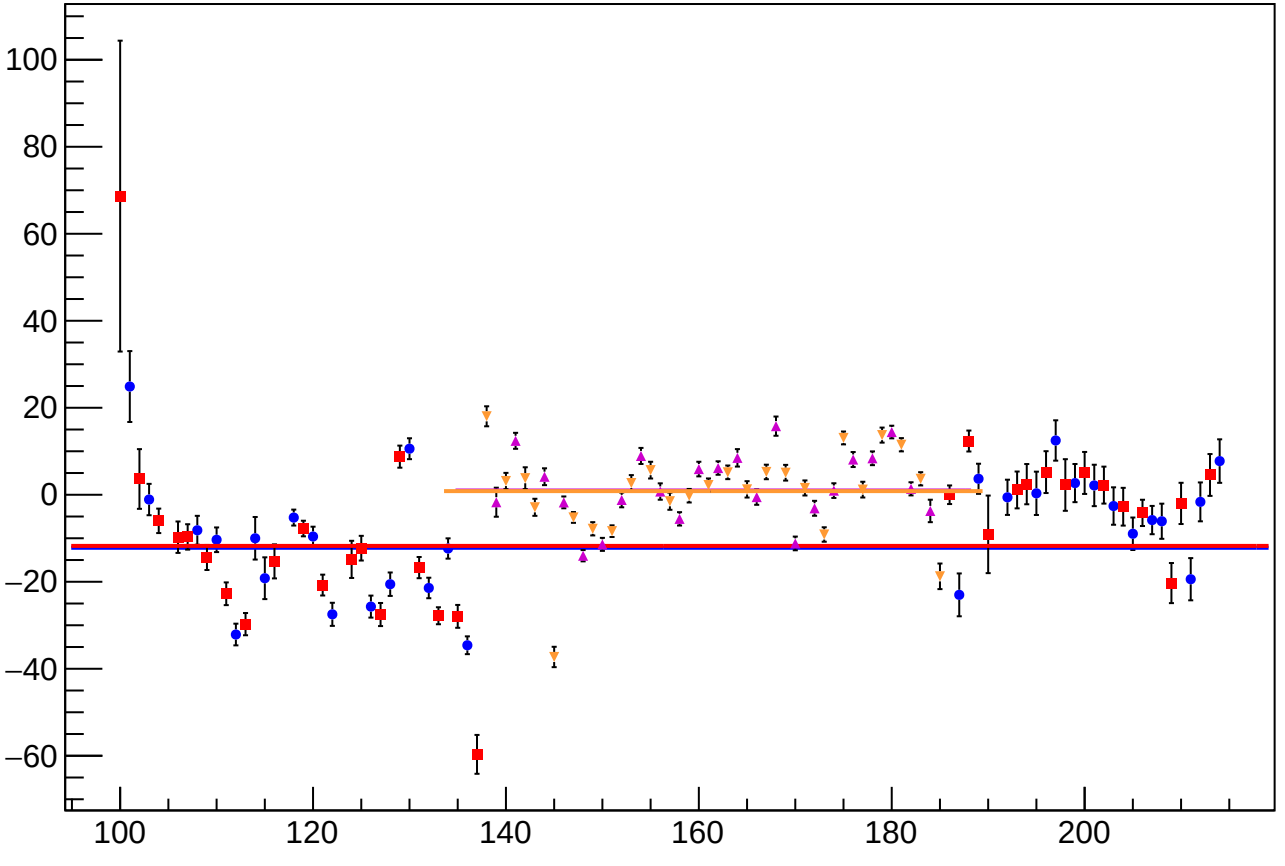
Right: 91.353+/-0.298 χ^2/NDF: 10331.6/62

In: 70.377+/-0.302 χ^2/NDF:8697.9/52

Out: 73.974+/-0.281 χ^2/NDF:13358.6/57

All: 72.305+/-0.206 χ^2/NDF: 22132.7/110

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

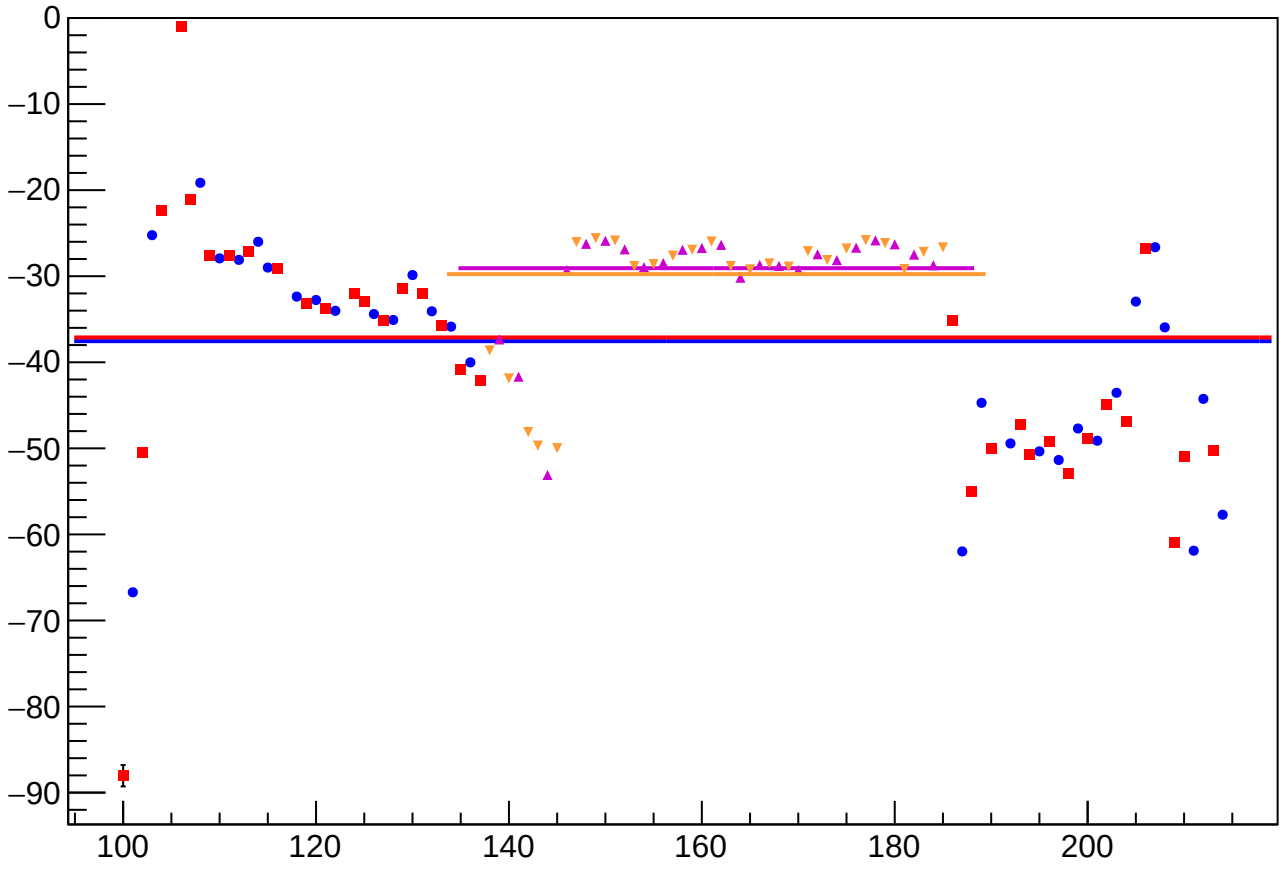
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -11.958+/-0.394 χ^2/NDF: 1184.7/62

In: -2.643+/-0.301 χ^2/NDF:1475.8/52

Out: -2.748+/-0.290 χ^2/NDF:1750.6/57

All: -2.697+/-0.209 χ^2/NDF: 3226.5/110



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

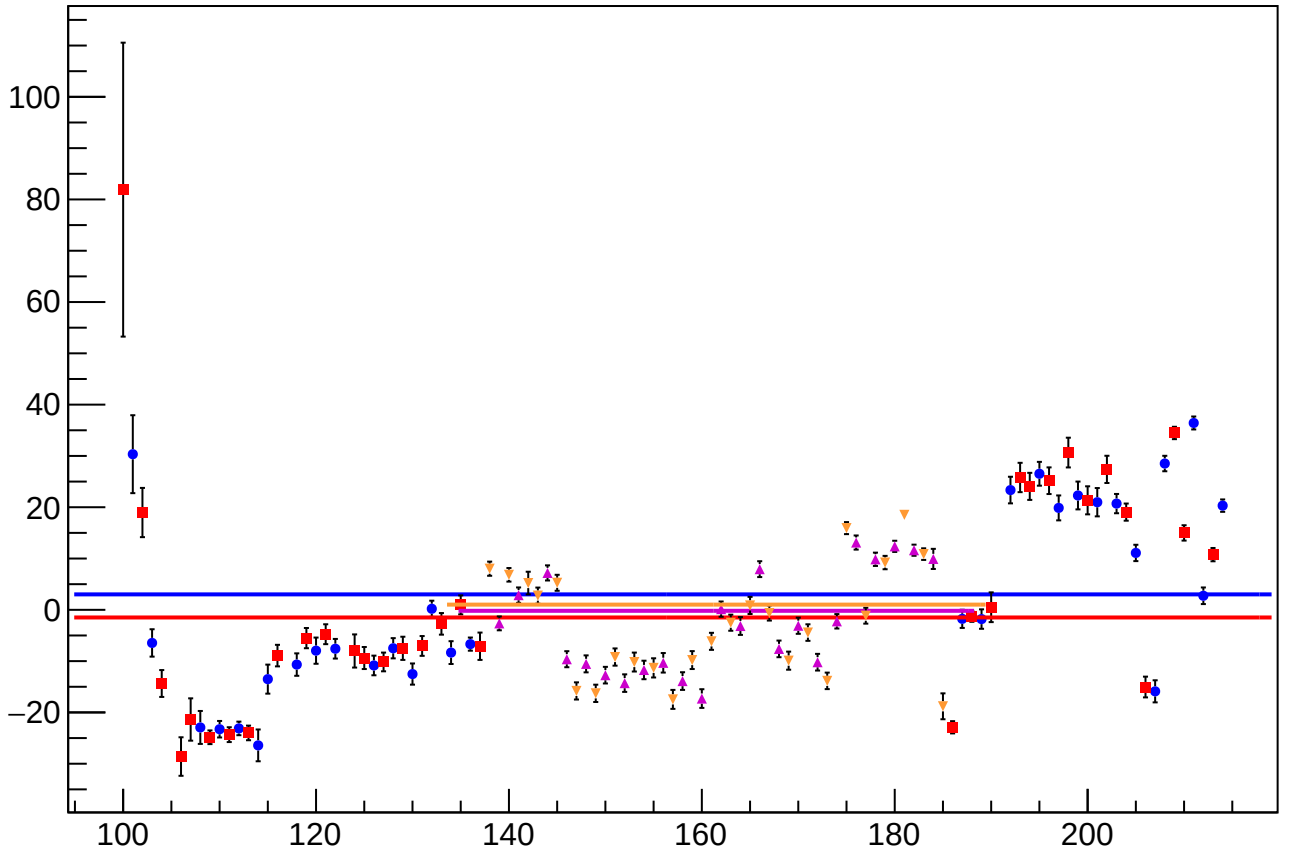
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -37.326+/-0.020 χ^2/NDF: 371047.9/62

In: -31.059+/-0.014 χ^2/NDF:307309.1/52

Out: -31.489+/-0.014 χ^2/NDF:449073.2/57

All: -31.277+/-0.010 χ^2/NDF: 756873.0/110



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

Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

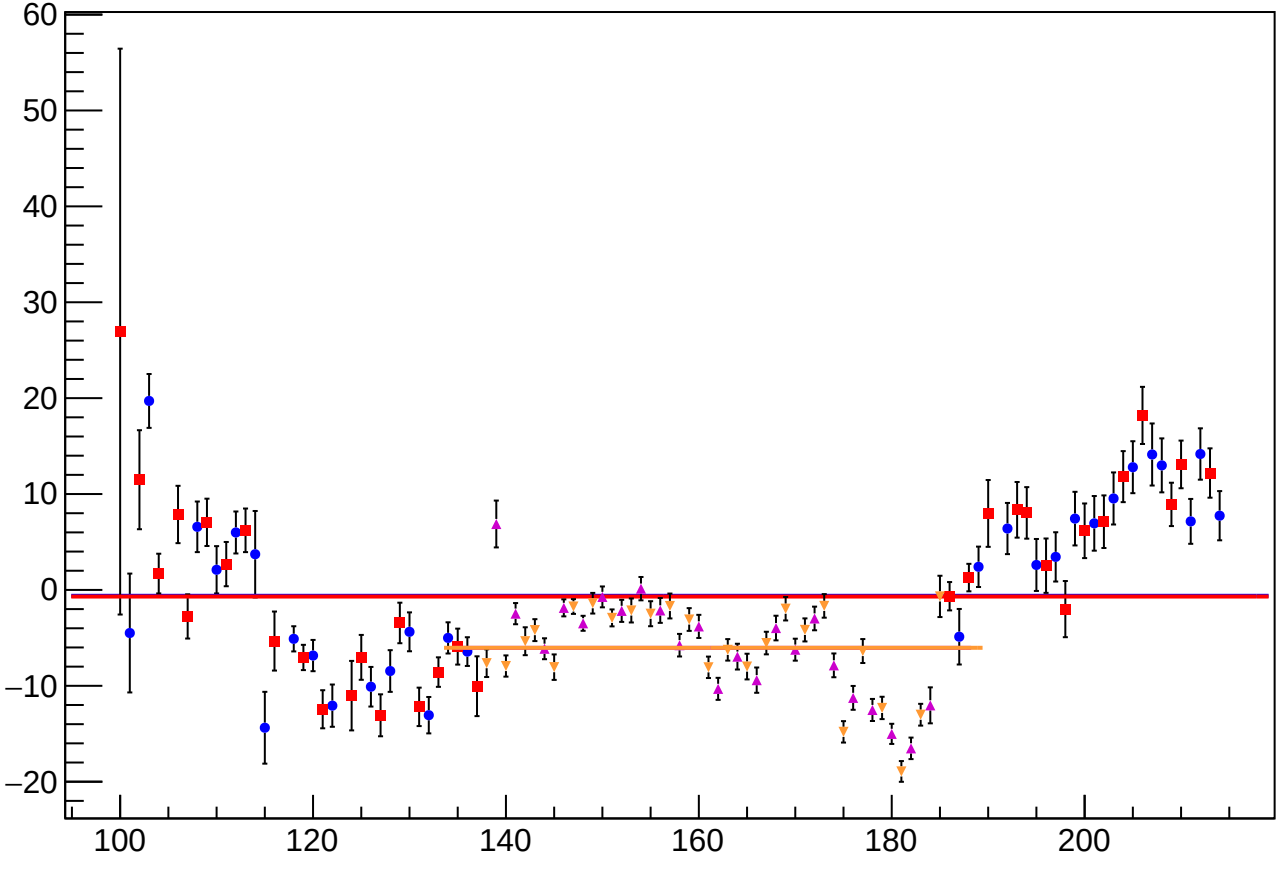
Right: 0.656+/-0.238 χ^2/NDF: 6208.4/62

In: 1.266+/-0.232 χ^2/NDF:3917.2/52

Out: -0.144+/-0.223 χ^2/NDF:4598.0/57

All: 0.534+/-0.161 χ^2/NDF: 8534.3/110

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

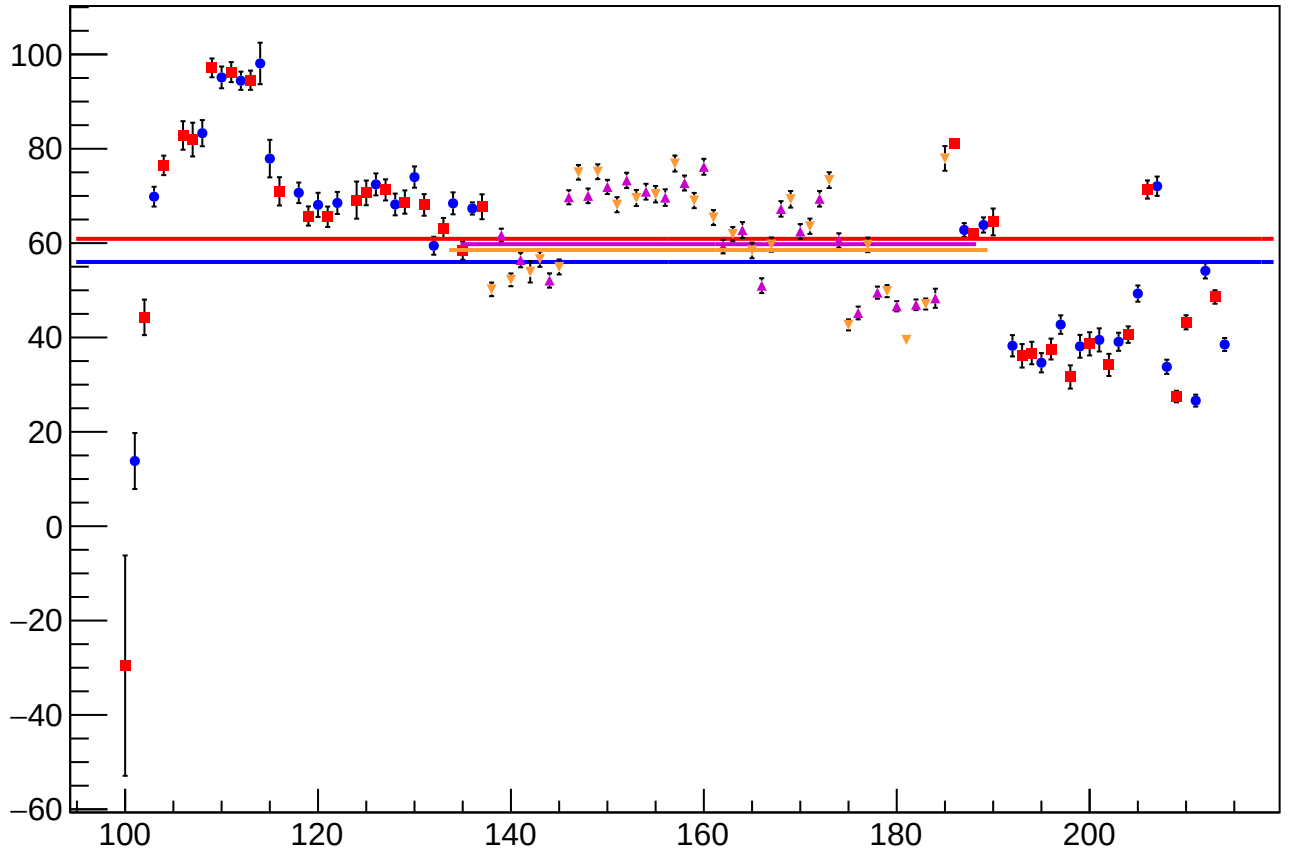
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -0.653+/-0.288 χ^2/NDF: 809.8/62

In: -4.672+/-0.210 χ^2/NDF:928.8/52

Out: -4.663+/-0.201 χ^2/NDF:953.3/57

All: -4.667+/-0.145 χ^2/NDF: 1882.0/110



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

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

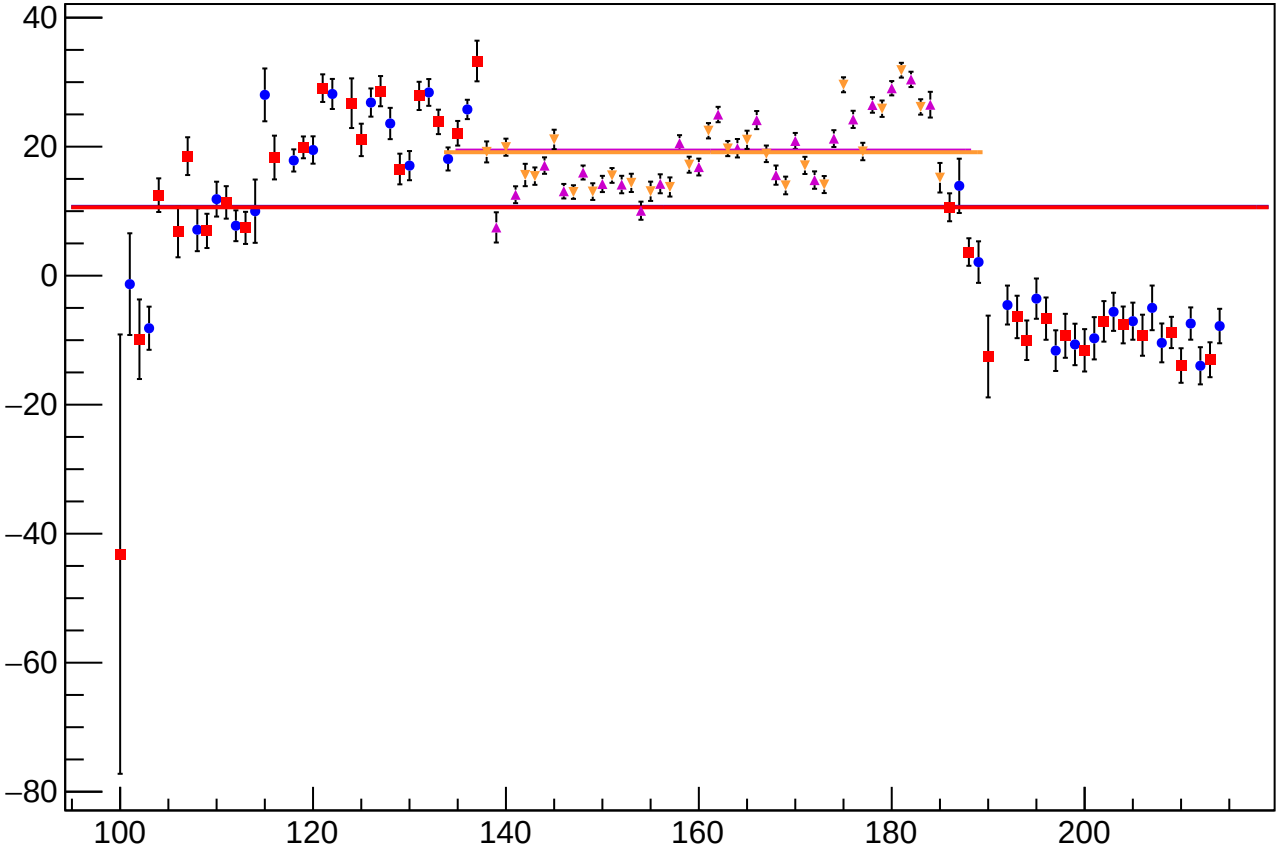
Right: 58.641+/-0.243 χ^2/NDF: 6265.5/62

In: 58.145+/-0.235 χ^2/NDF:3911.6/52

Out: 59.618+/-0.223 χ^2/NDF:4863.5/57

All: 58.918+/-0.162 χ^2/NDF: 8795.7/110

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

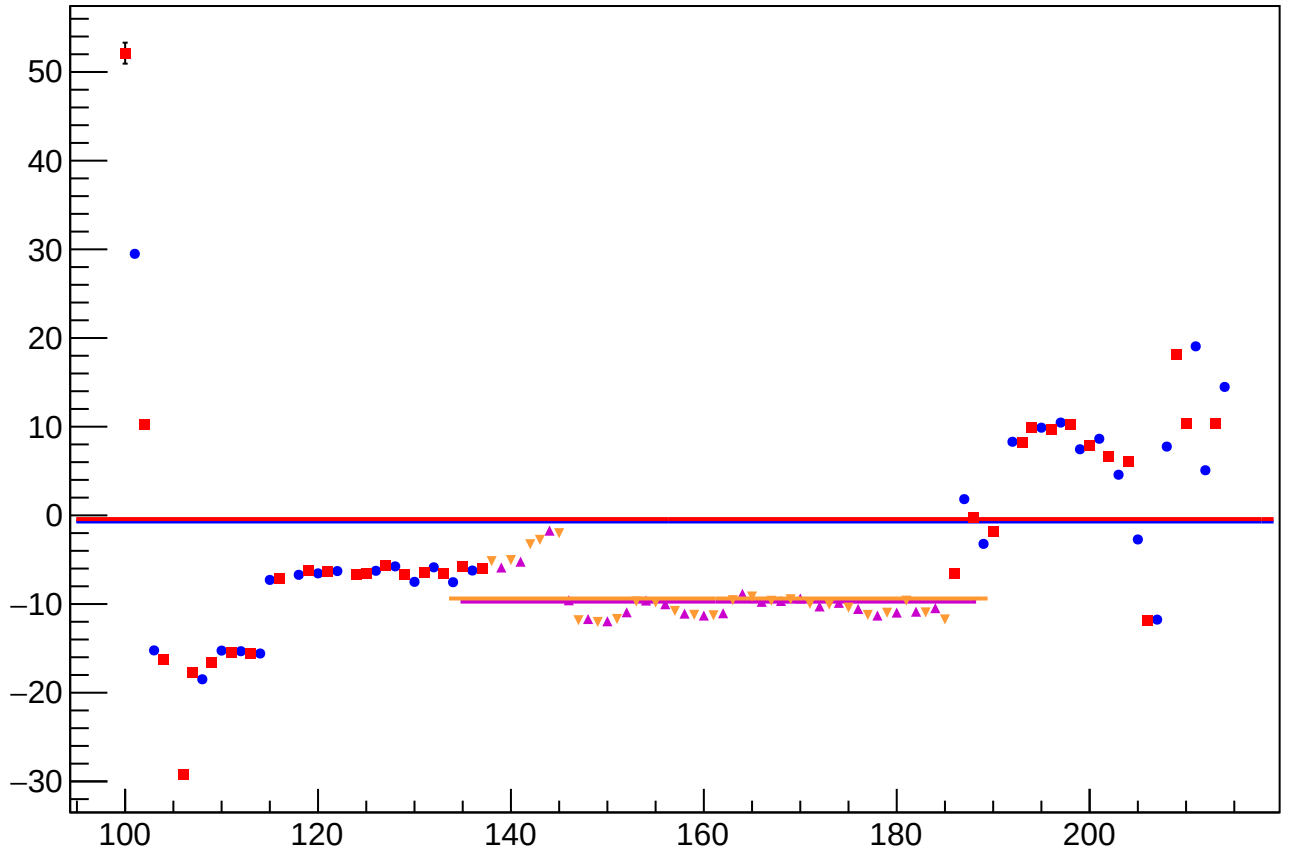
Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

Right: 10.636+/-0.333 χ^2/NDF: 1900.1/62

In: 17.221+/-0.237 χ^2/NDF:1646.8/52

Out: 17.061+/-0.230 χ^2/NDF:1661.8/57

All: 17.138+/-0.165 χ^2/NDF: 3308.8/110



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

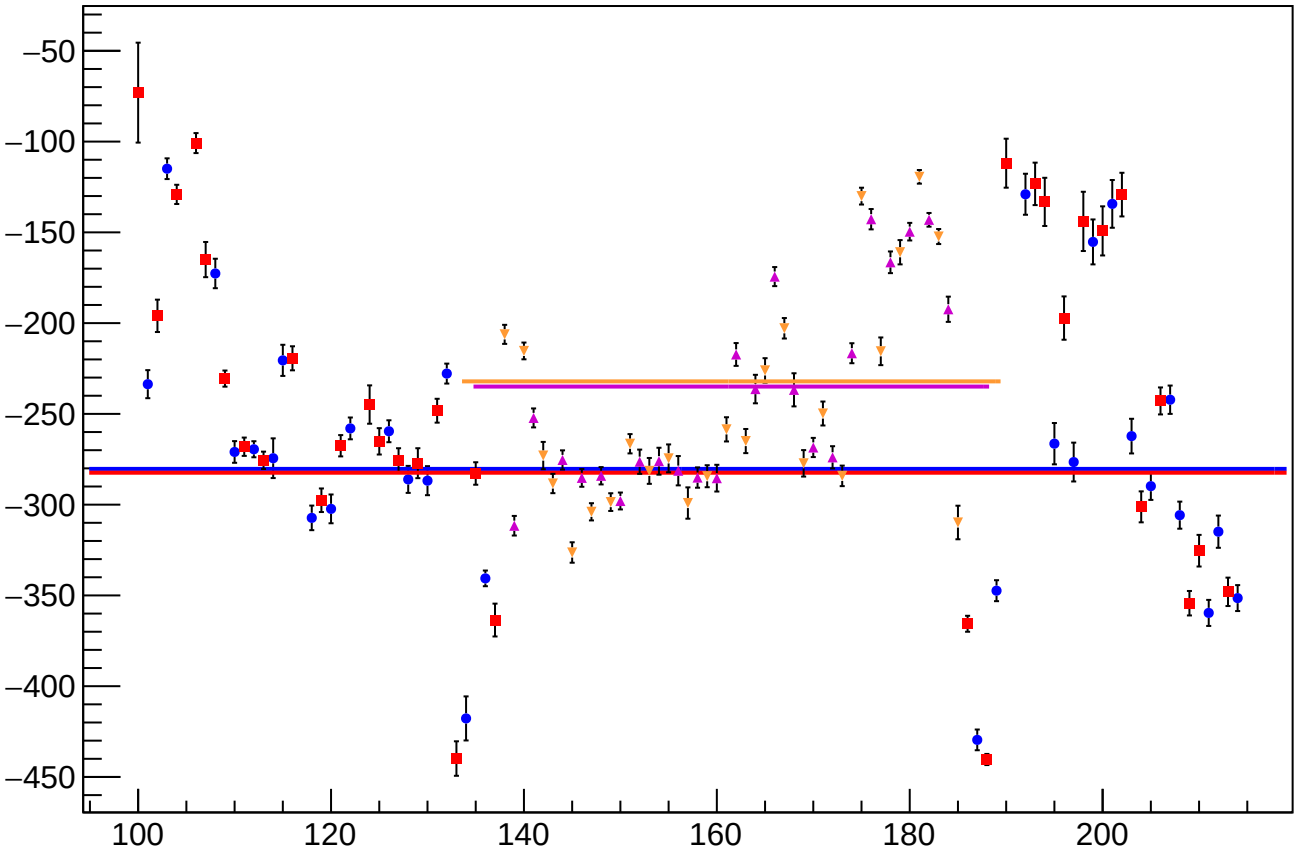
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -0.555+/-0.016 χ^2/NDF: 445125.0/62

In: -7.696+/-0.011 χ^2/NDF:363243.4/52

Out: -7.426+/-0.011 χ^2/NDF:412321.4/57

All: -7.559+/-0.007 χ^2/NDF: 775891.5/110



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

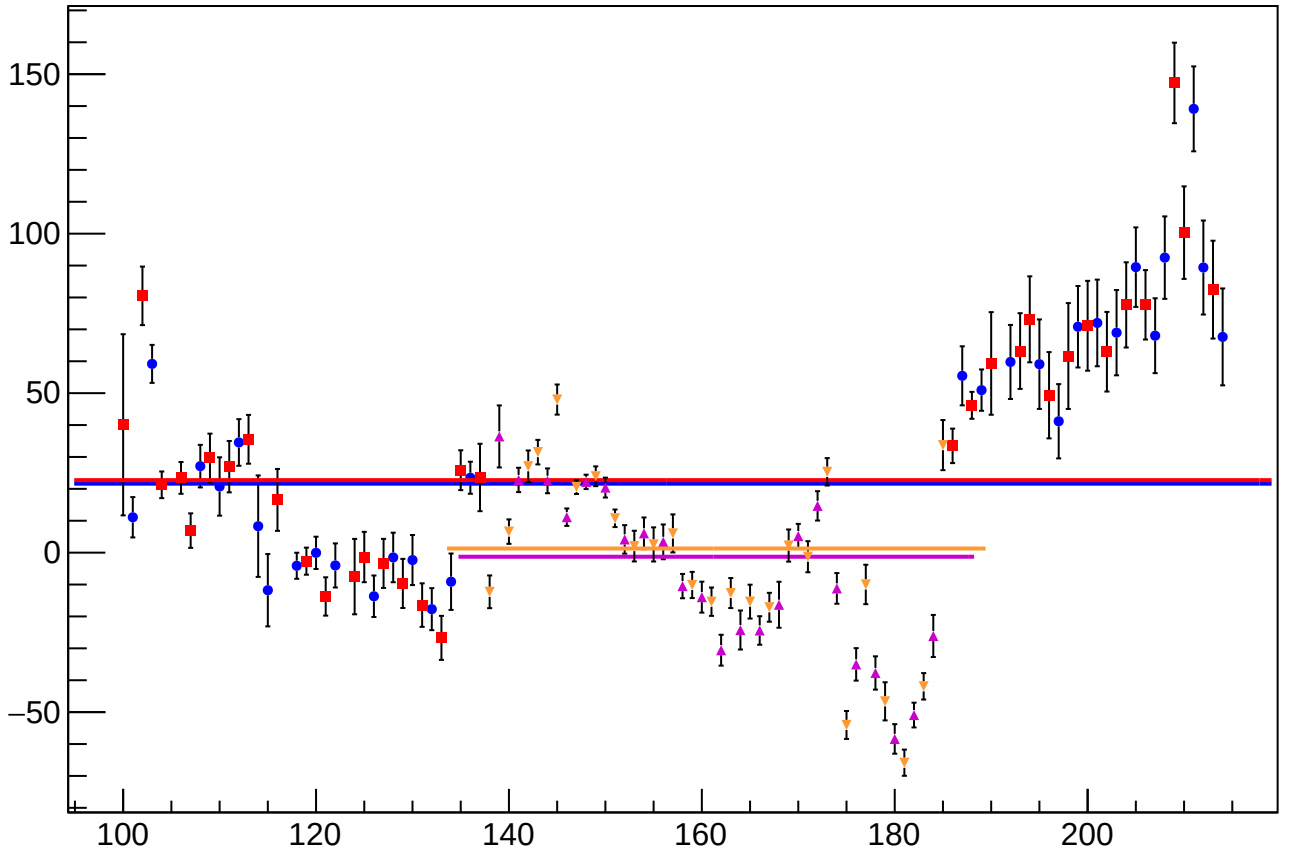
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -281.457+/-0.870 χ^2/NDF: 10059.3/62

In: -255.431+/-0.871 χ^2/NDF:6218.4/52

Out: -256.549+/-0.819 χ^2/NDF:11193.5/57

All: -256.024+/-0.597 χ^2/NDF: 17412.7/110



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

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

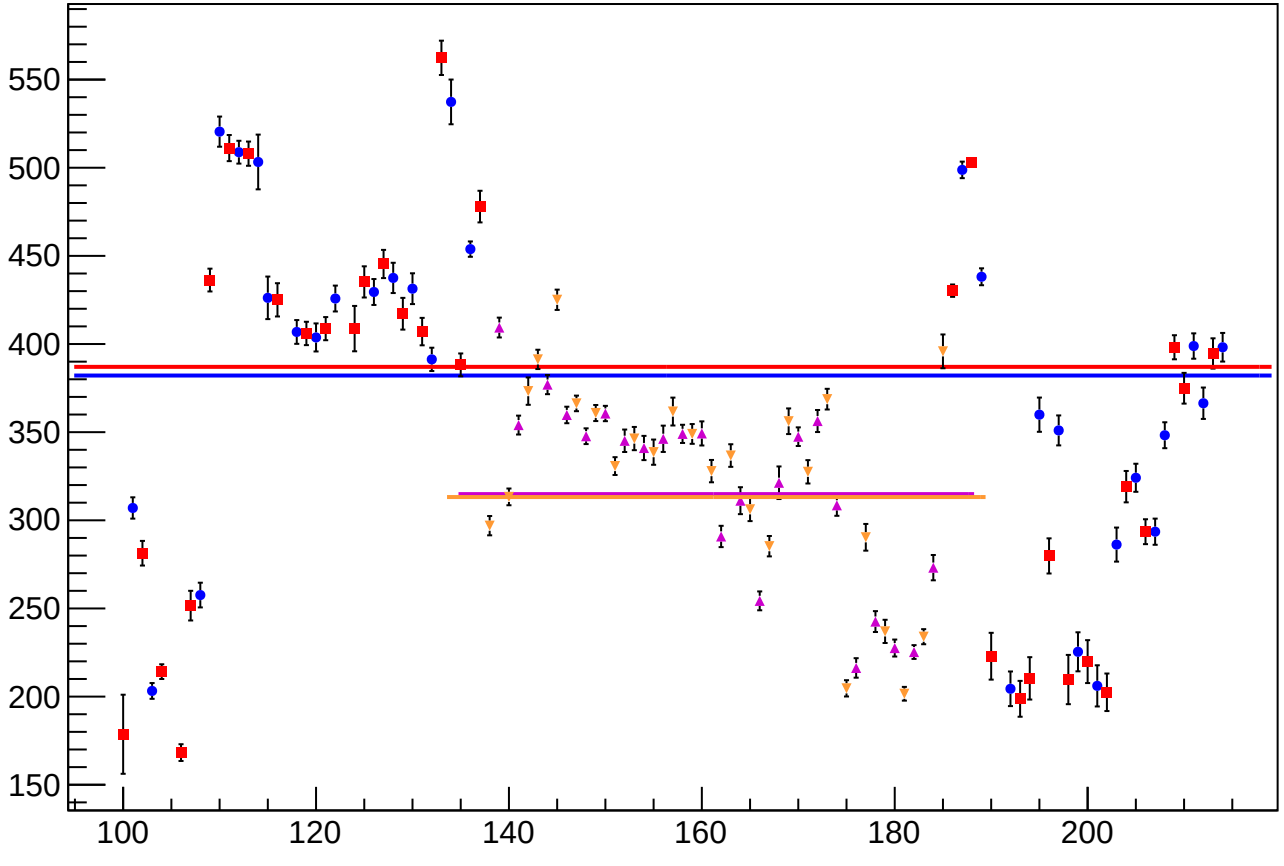
Right: 22.232+/-0.973 χ^2/NDF: 1038.8/62

In: 4.782+/-0.745 χ^2/NDF:1497.6/52

Out: 7.480+/-0.706 χ^2/NDF:1774.8/57

All: 6.203+/-0.512 χ^2/NDF: 3279.3/110

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

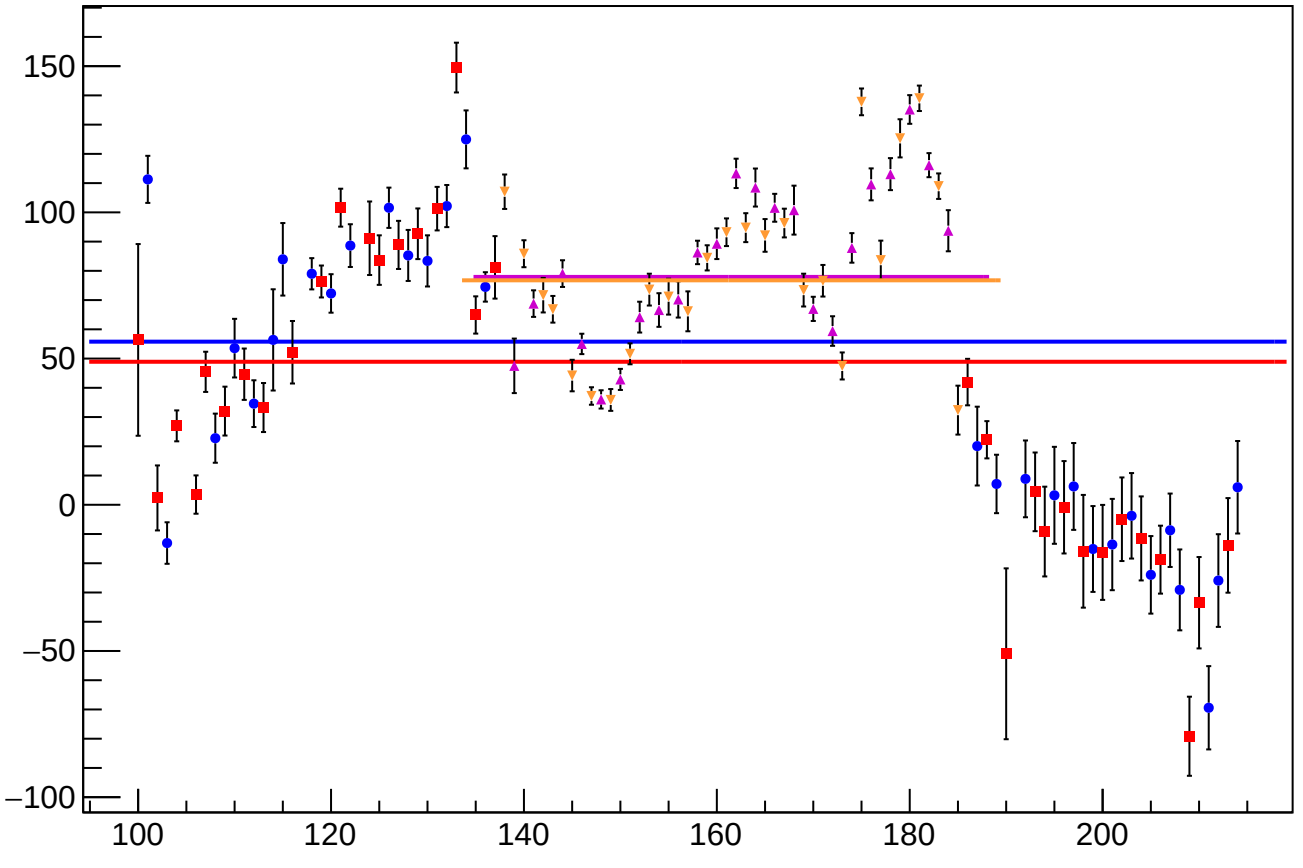
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 384.902+/-0.868 χ^2/NDF: 14942.7/62

In: 344.355+/-0.870 χ^2/NDF:9133.3/52

Out: 349.439+/-0.809 χ^2/NDF:14918.4/57

All: 347.082+/-0.593 χ^2/NDF: 24070.0/110



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

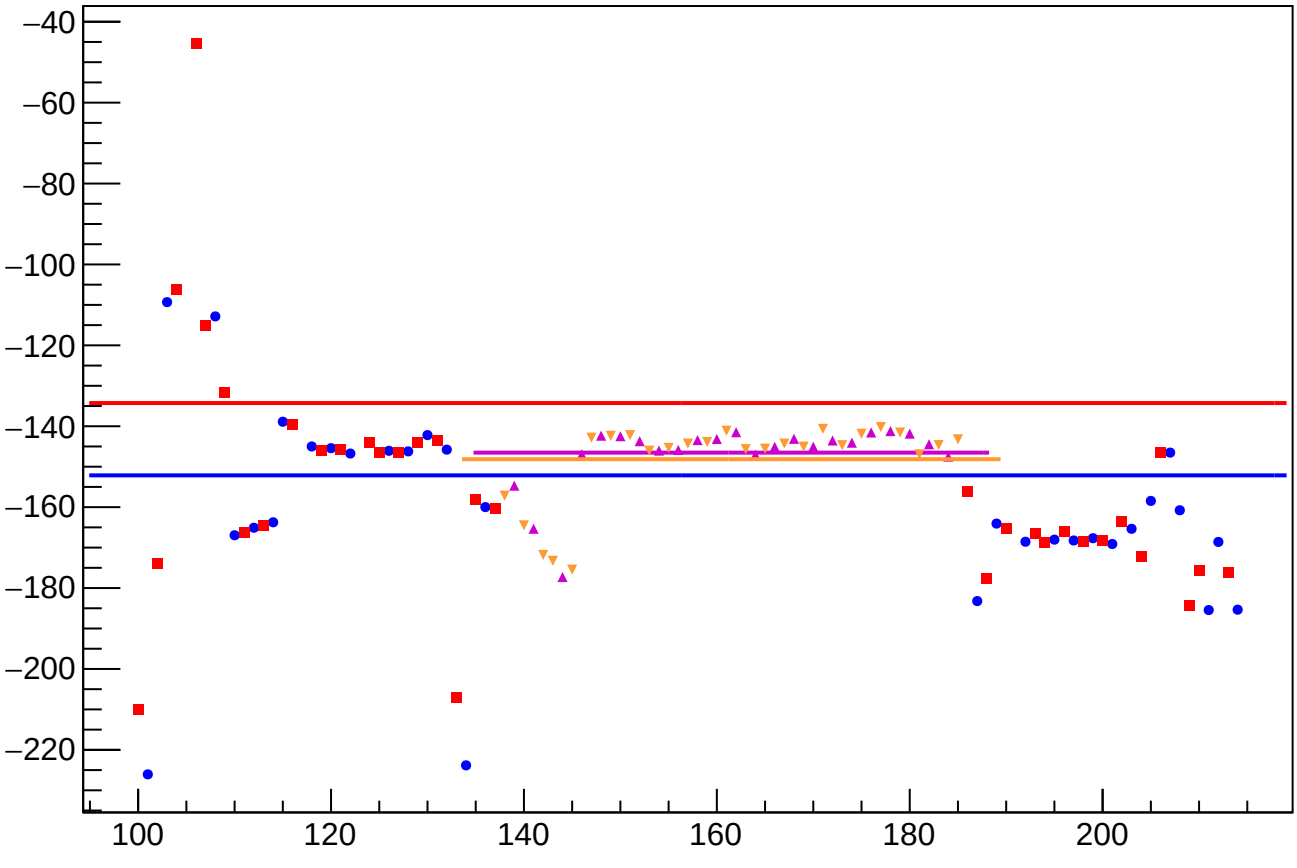
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 52.109+/-1.152 χ^2/NDF: 1486.4/62

In: 72.198+/-0.858 χ^2/NDF:1634.0/52

Out: 69.141+/-0.824 χ^2/NDF:2017.3/57

All: 70.607+/-0.594 χ^2/NDF: 3657.9/110



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

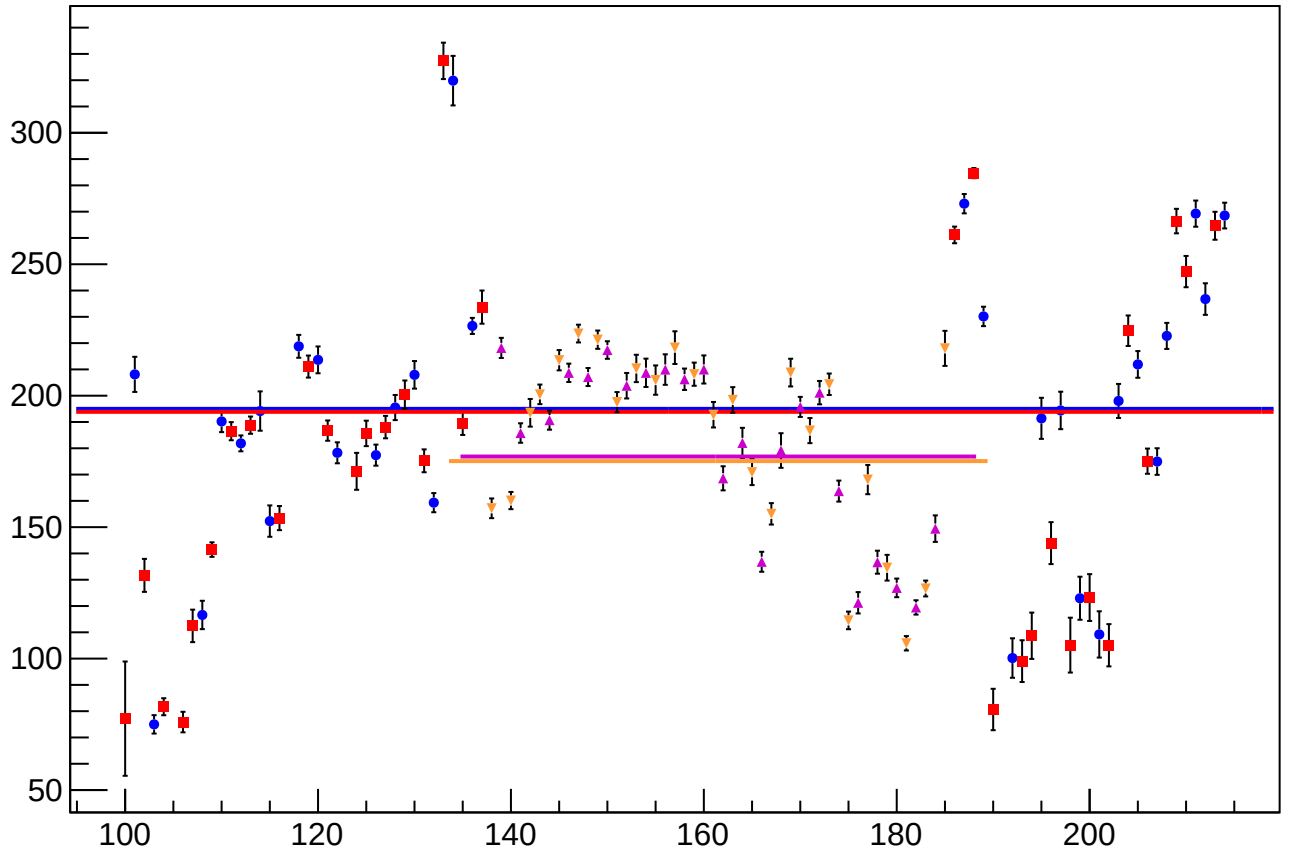
Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

Right: -142.455+/-0.055 χ^2/NDF: 538682.6/62

In: -147.875+/-0.040 χ^2/NDF:184057.9/52

Out: -144.418+/-0.039 χ^2/NDF:435385.3/57

All: -146.096+/-0.028 χ^2/NDF: 623346.6/110



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

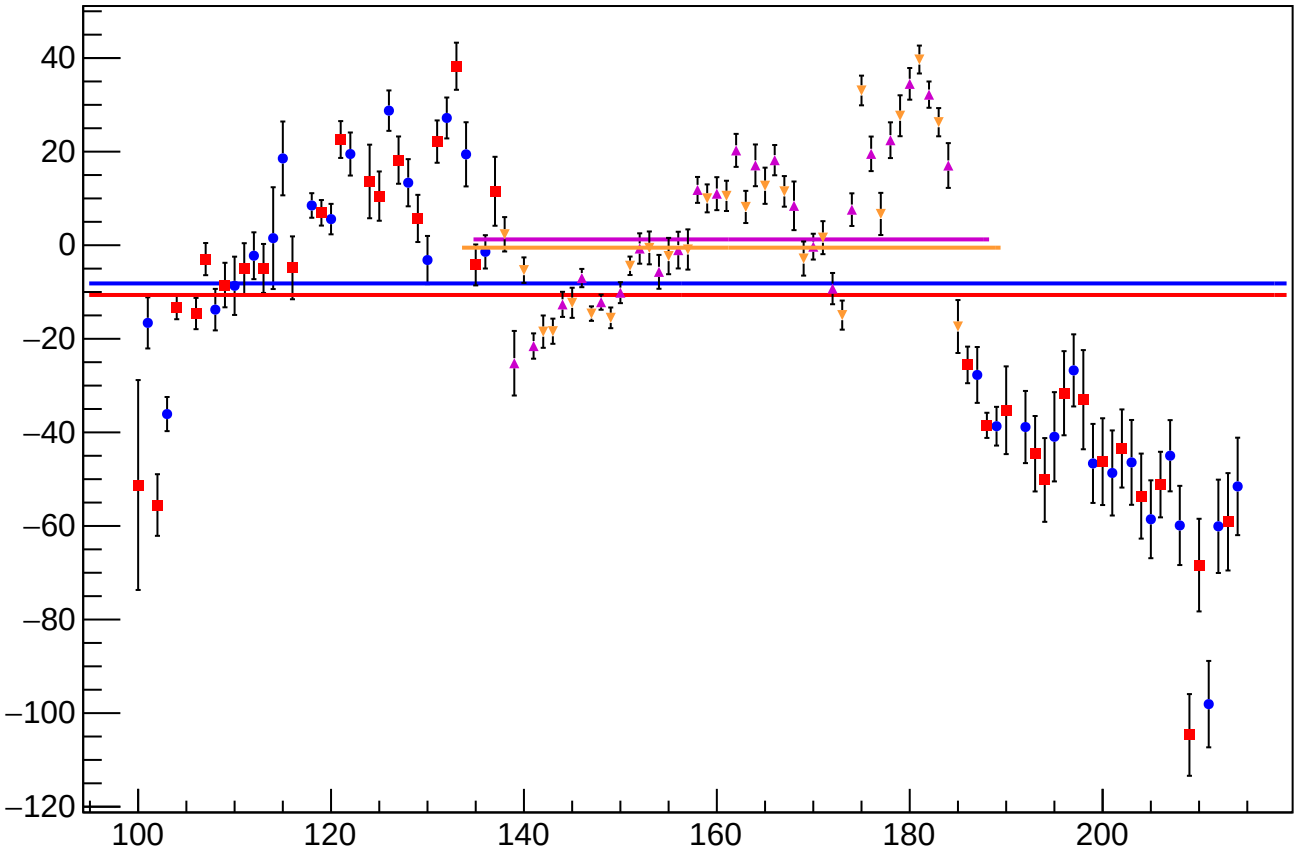
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 194.370+/-0.580 χ^2/NDF: 10613.2/62

In: 185.697+/-0.606 χ^2/NDF:5331.9/52

Out: 184.994+/-0.566 χ^2/NDF:9828.6/57

All: 185.321+/-0.414 χ^2/NDF: 15161.3/110



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

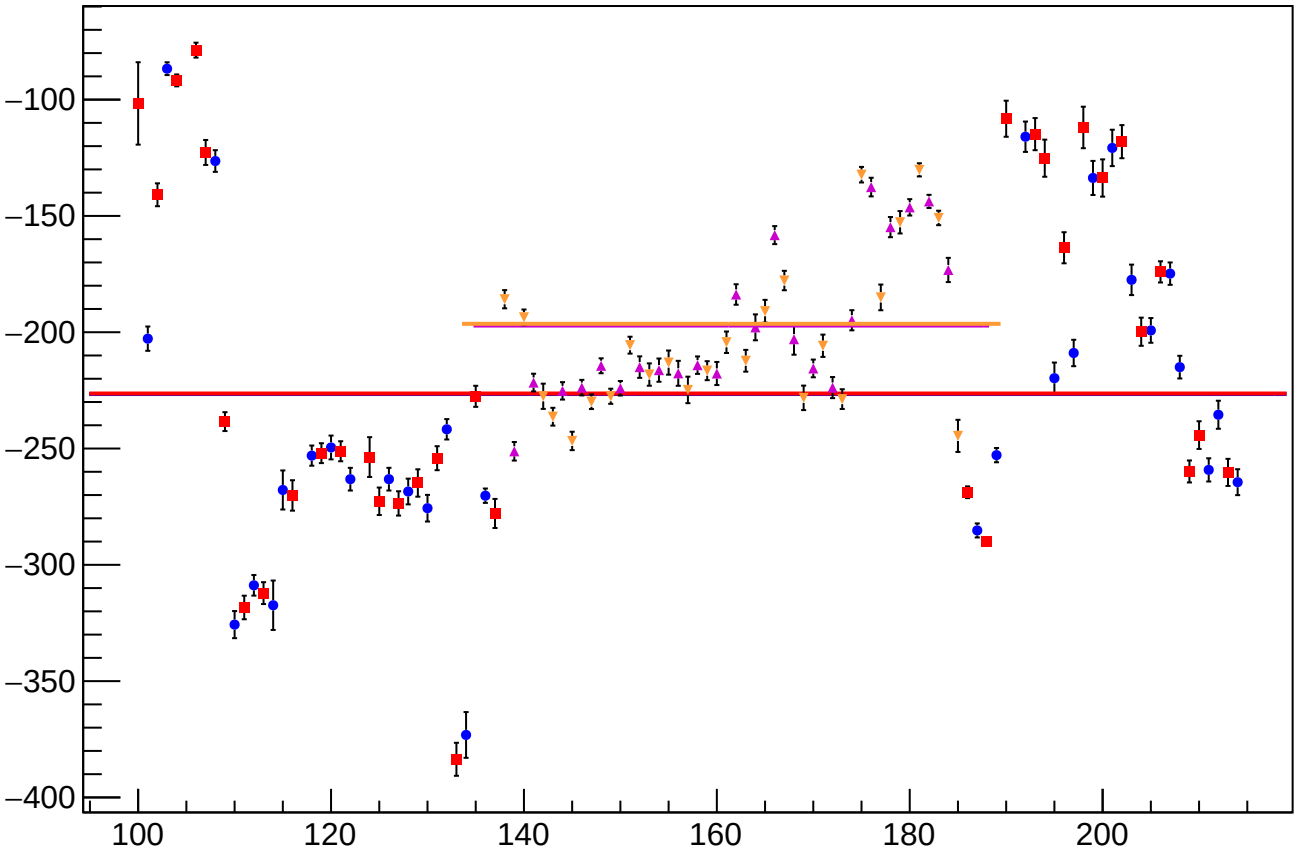
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -9.537+/-0.646 χ^2/NDF: 1578.7/62

In: -1.525+/-0.525 χ^2/NDF:1428.8/52

Out: -3.804+/-0.494 χ^2/NDF:1649.8/57

All: -2.736+/-0.360 χ^2/NDF: 3088.7/110



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

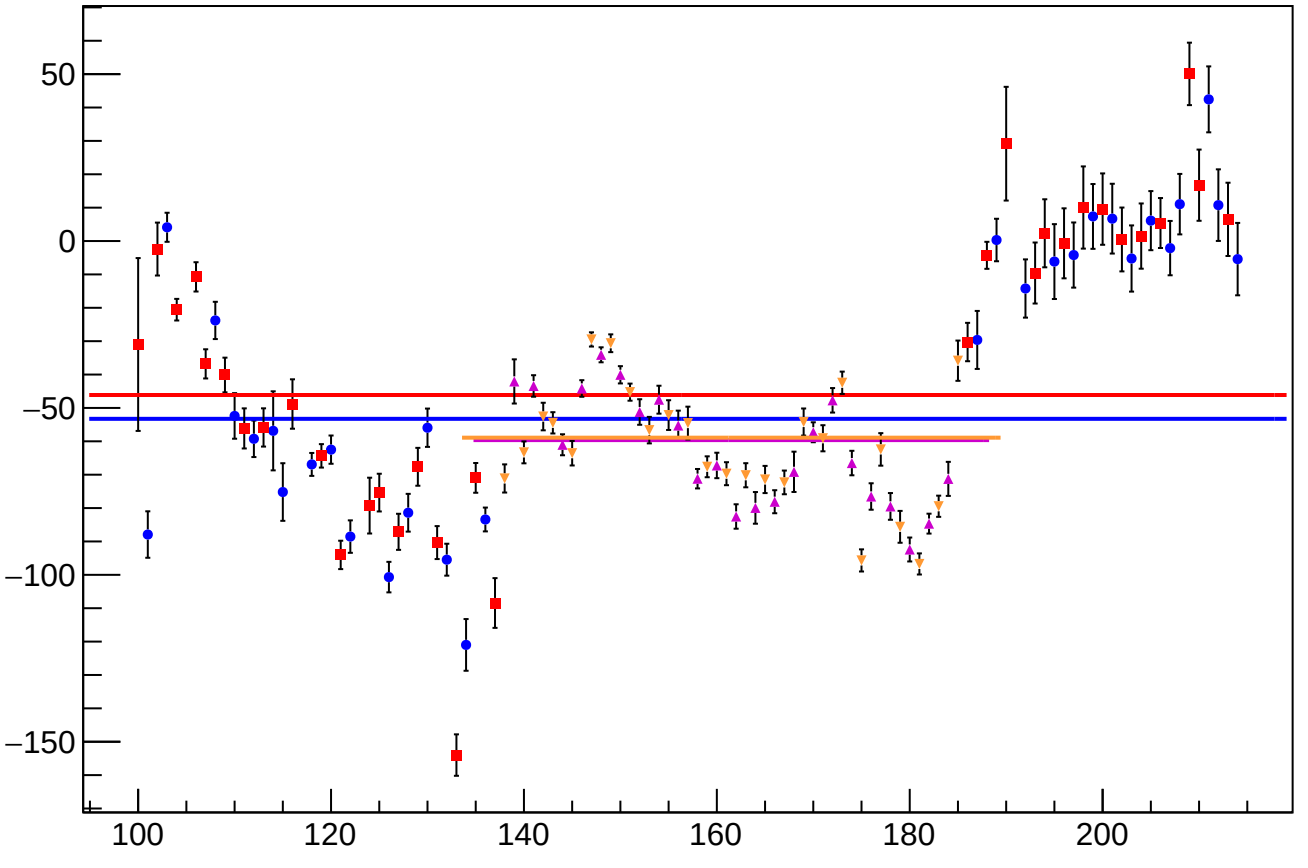
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -226.447+/-0.576 χ^2/NDF: 16578.0/62

In: -211.136+/-0.606 χ^2/NDF:8117.1/52

Out: -212.370+/-0.557 χ^2/NDF:13369.2/57

All: -211.805+/-0.410 χ^2/NDF: 21488.6/110



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

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

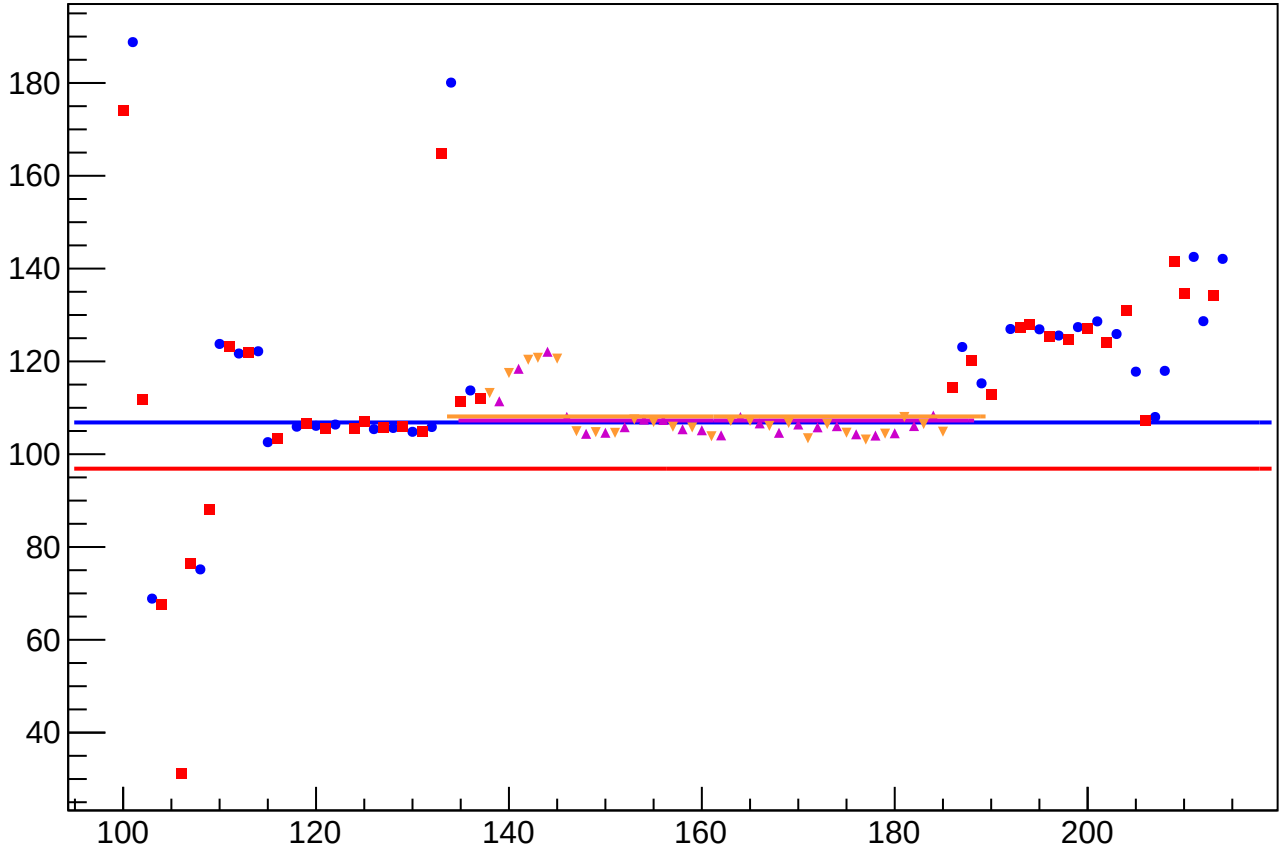
Right: -49.395+/-0.767 χ^2/NDF: 2626.5/62

In: -57.810+/-0.607 χ^2/NDF:1805.7/52

Out: -54.973+/-0.578 χ^2/NDF:2305.6/57

All: -56.323+/-0.418 χ^2/NDF: 4122.8/110

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

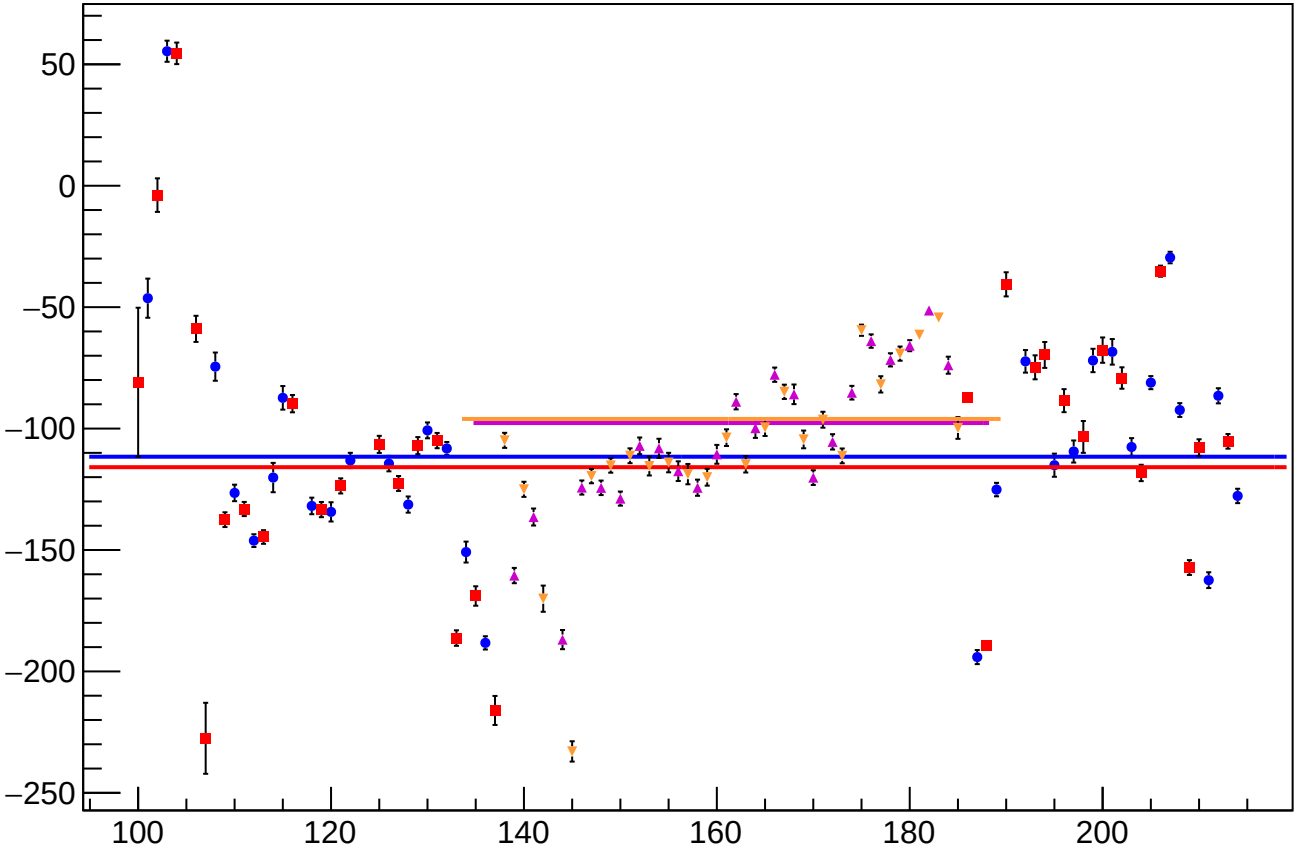
Right: 101.495+/-0.037 χ^2/NDF: 712489.6/62

In: 107.152+/-0.028 χ^2/NDF:302363.8/52

Out: 104.817+/-0.027 χ^2/NDF:470687.0/57

All: 105.950+/-0.020 χ^2/NDF: 776614.7/110

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

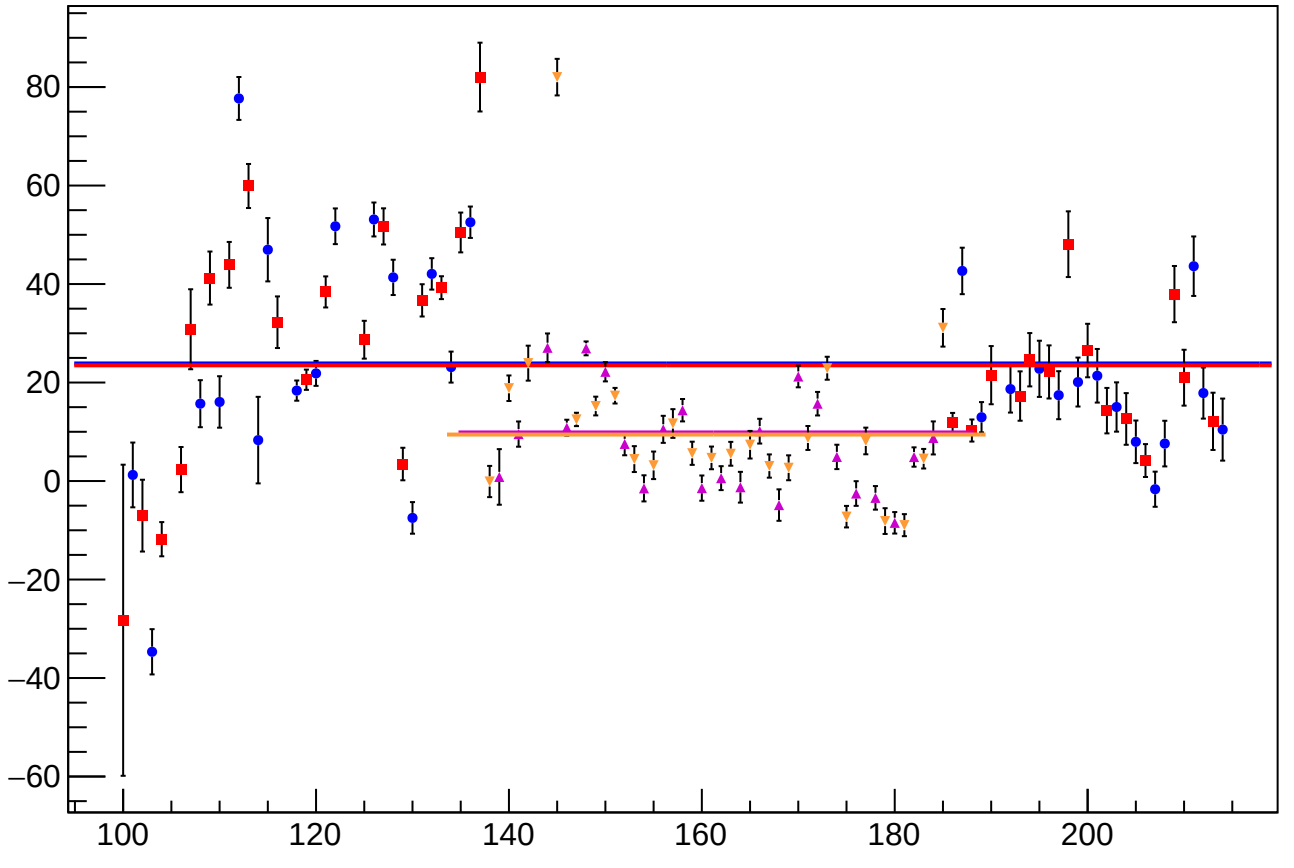
Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

Right: -113.881+/-0.428 χ^2/NDF: 13072.4/61

In: -104.788+/-0.447 χ^2/NDF:8413.1/52

Out: -106.741+/-0.431 χ^2/NDF:10814.9/55

All: -105.800+/-0.310 χ^2/NDF: 19237.9/108



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

Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

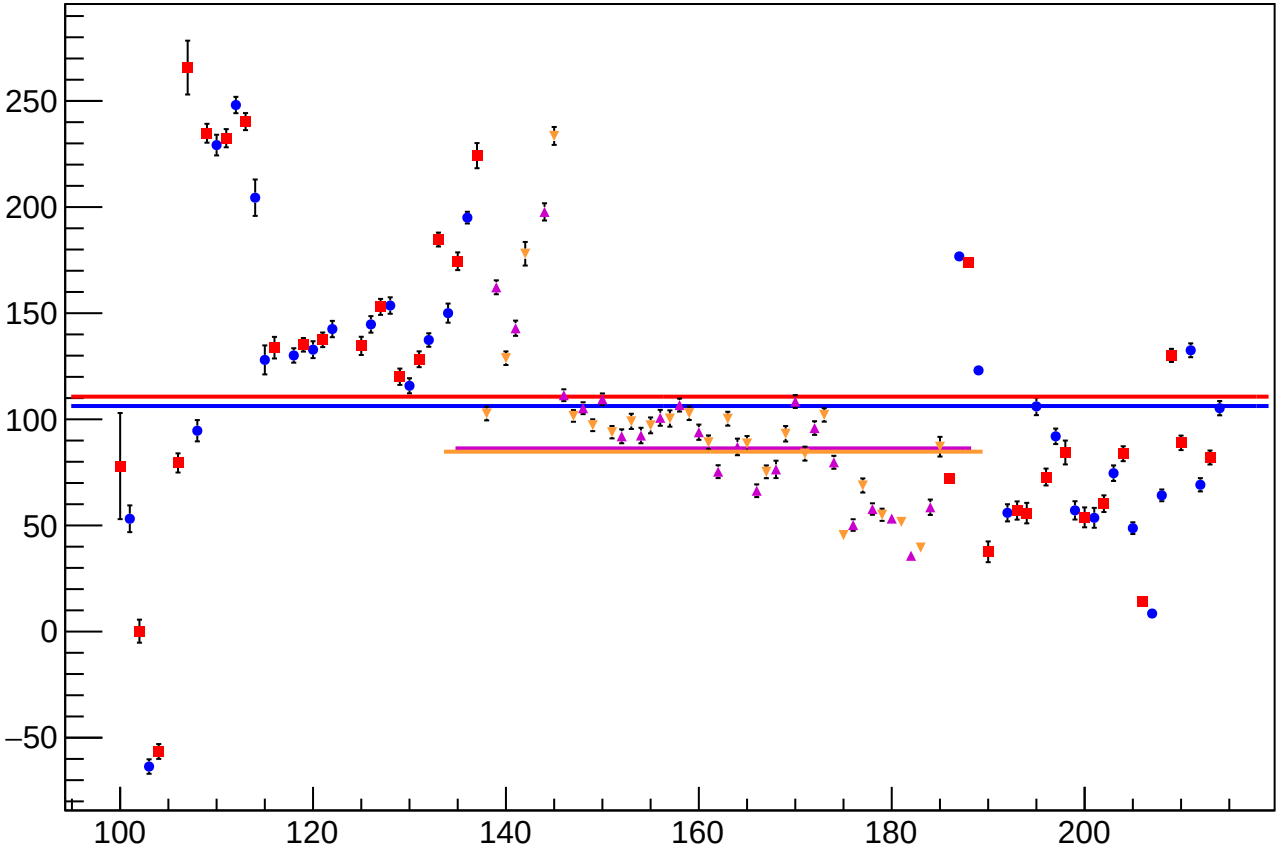
Right: 23.672+/-0.495 χ^2/NDF: 1528.8/61

In: 14.239+/-0.404 χ^2/NDF:1593.1/52

Out: 14.085+/-0.391 χ^2/NDF:1702.0/55

All: 14.159+/-0.281 χ^2/NDF: 3295.2/108

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

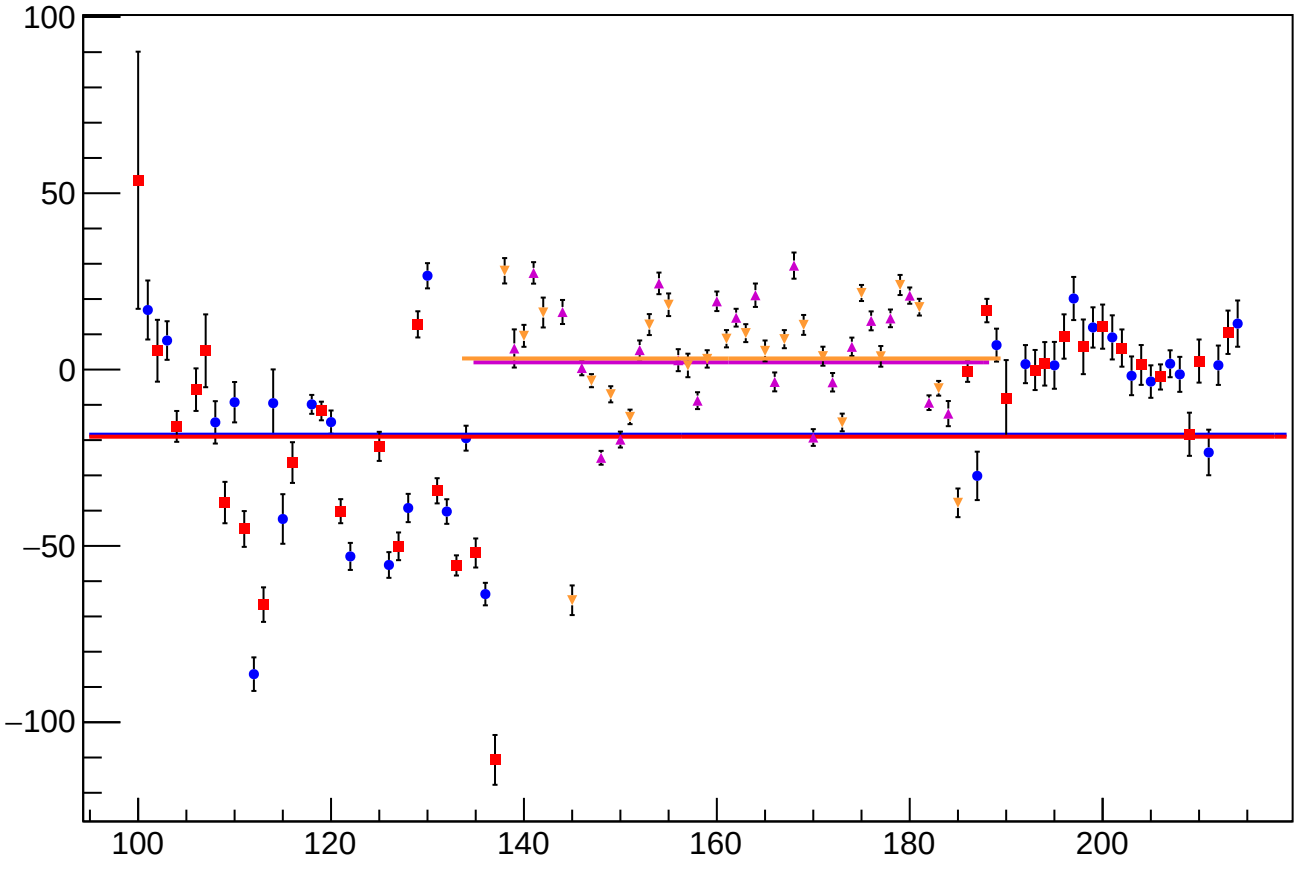
Right: 108.715+/-0.425 χ^2/NDF: 23800.5/61

In: 96.210+/-0.448 χ^2/NDF:14164.5/52

Out: 98.999+/-0.422 χ^2/NDF:17300.6/55

All: 97.688+/-0.307 χ^2/NDF: 31485.7/108

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

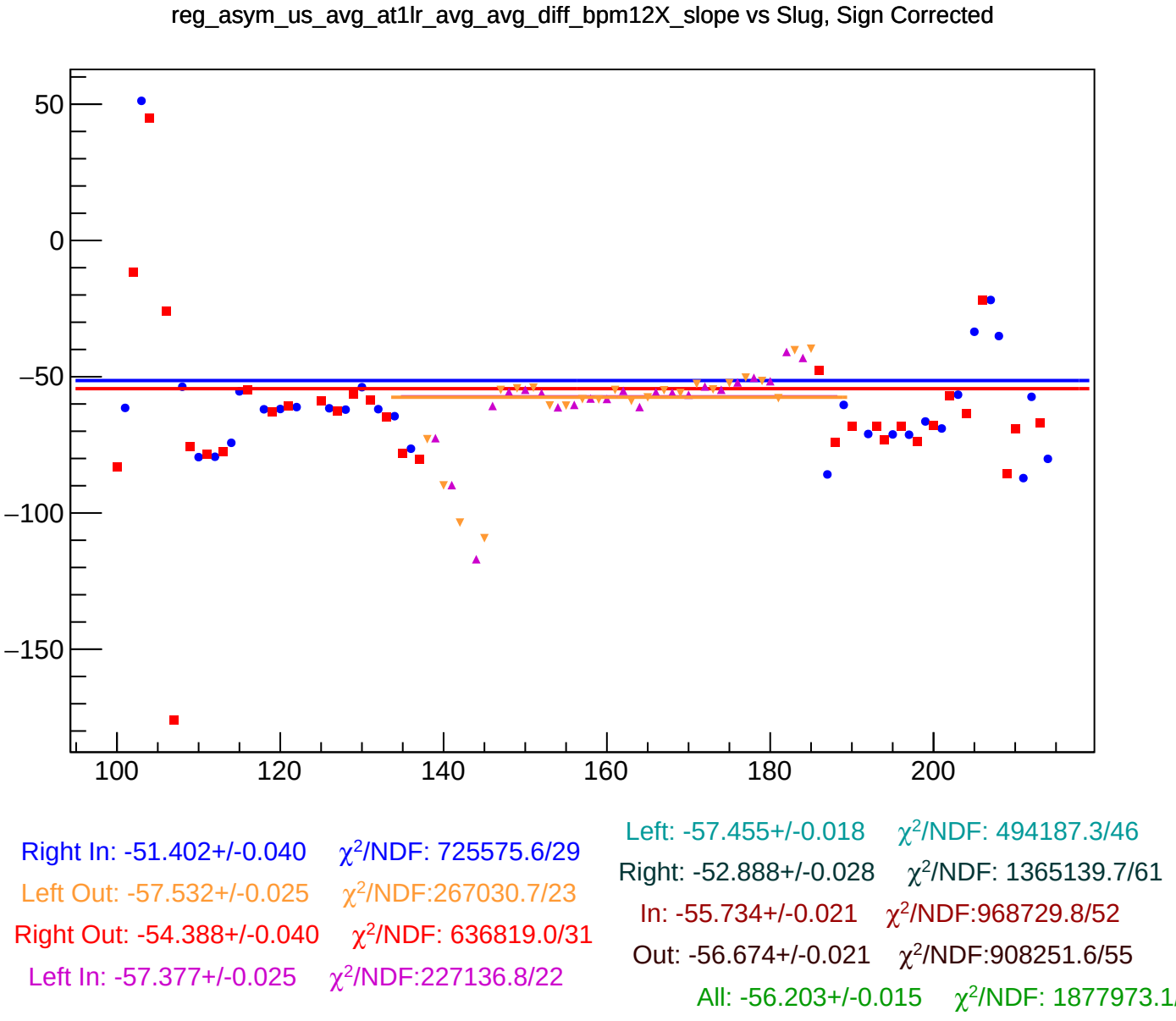
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -18.751+/-0.583 χ^2/NDF: 2199.1/61

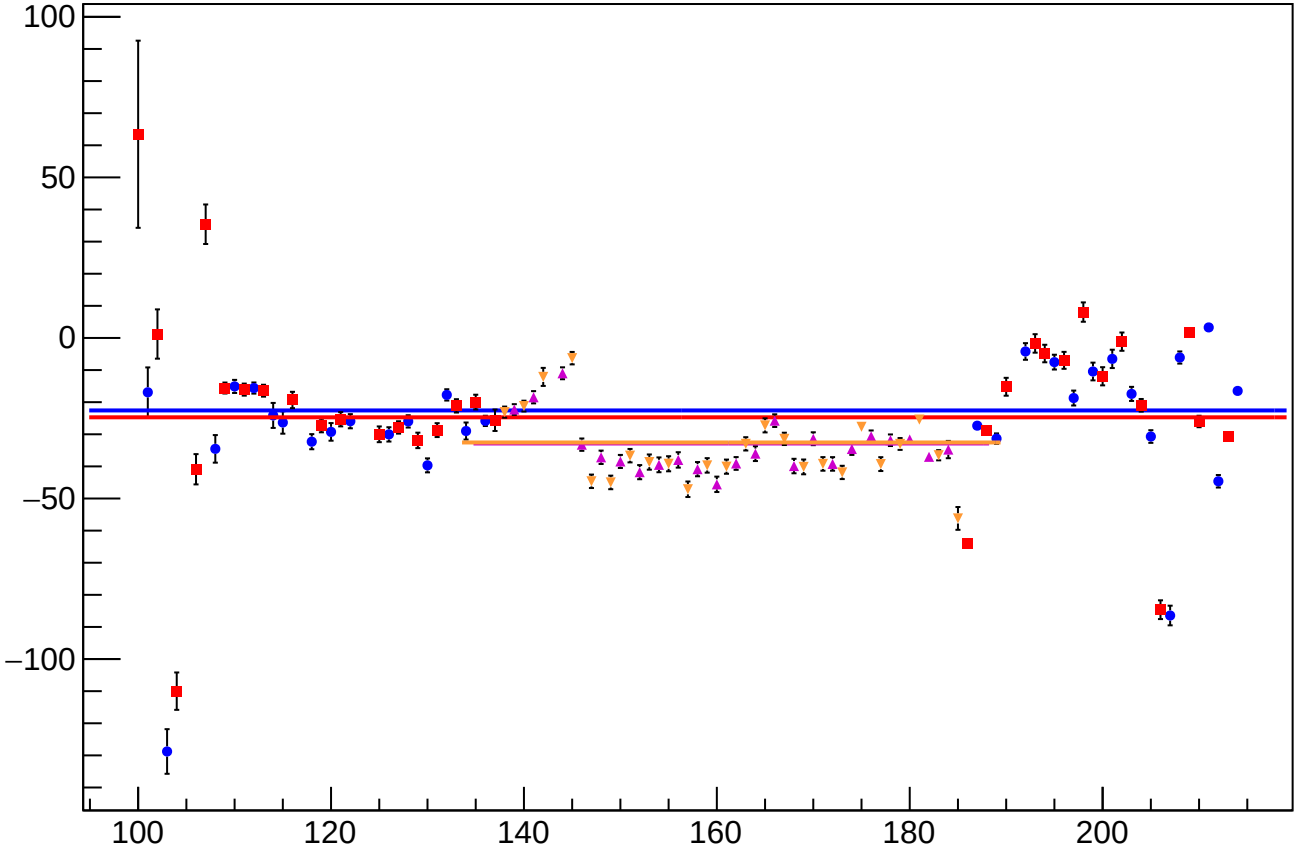
In: -4.167+/-0.460 χ^2/NDF:2390.5/52

Out: -3.692+/-0.452 χ^2/NDF:2406.4/55

All: -3.926+/-0.322 χ^2/NDF: 4797.5/108


reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: -51.402+/-0.040 χ²/NDF: 725575.6/29
Left Out: -57.532+/-0.025 χ²/NDF:267030.7/23
Right Out: -54.388+/-0.040 χ²/NDF: 636819.0/31
Left In: -57.377+/-0.025 χ²/NDF:227136.8/22
Left: -57.455+/-0.018 χ²/NDF: 494187.3/46
Right: -52.888+/-0.028 χ²/NDF: 1365139.7/61
In: -55.734+/-0.021 χ²/NDF:968729.8/52
Out: -56.674+/-0.021 χ²/NDF:908251.6/55
All: -56.203+/-0.015 χ²/NDF: 1877973.1/108

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

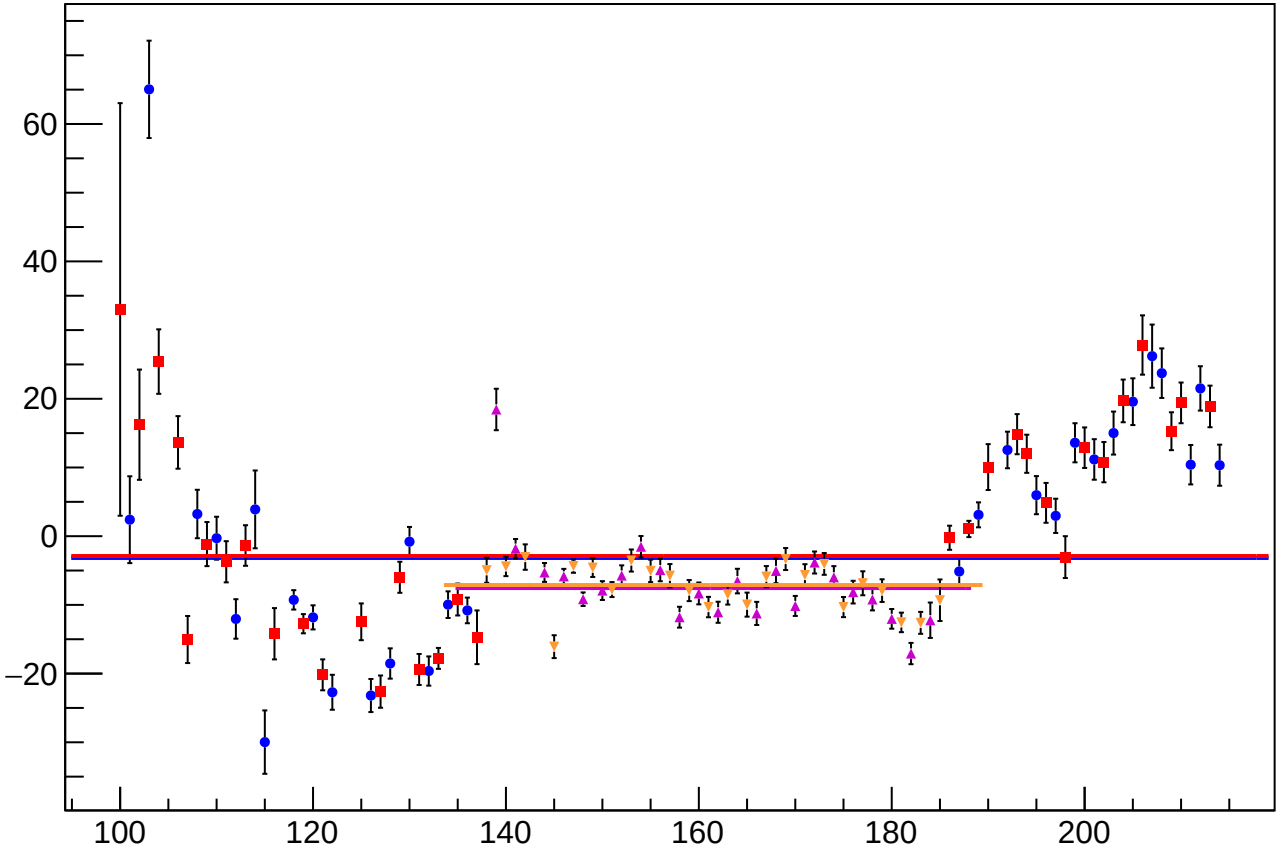
Right: -23.703+/-0.269 χ^2/NDF: 3936.6/61

In: -27.455+/-0.283 χ^2/NDF:2240.3/52

Out: -28.261+/-0.274 χ^2/NDF:3189.8/55

All: -27.872+/-0.197 χ^2/NDF: 5434.3/108

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

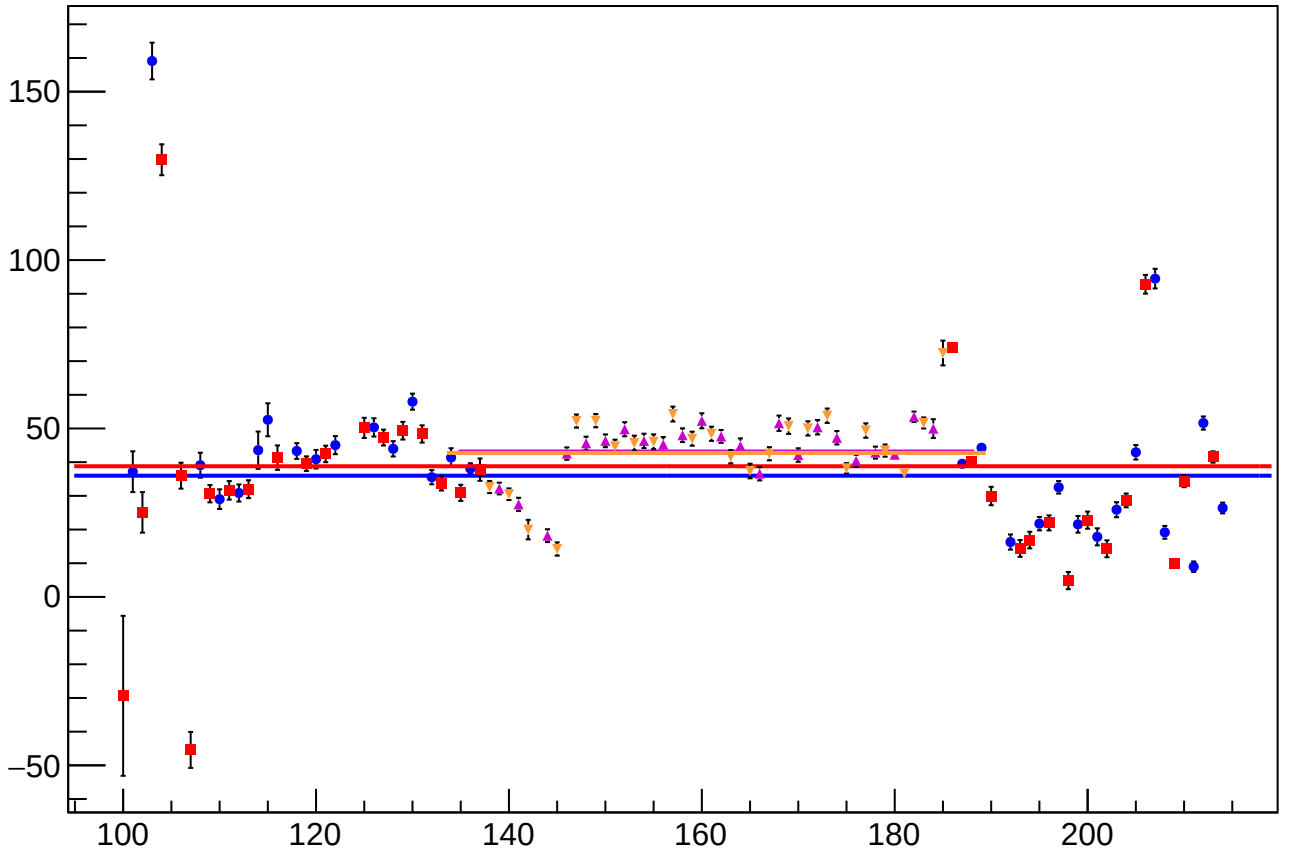
Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

Right: -3.019+/-0.322 χ^2/NDF: 1702.4/61

In: -6.178+/-0.261 χ^2/NDF:1111.2/52

Out: -5.733+/-0.254 χ^2/NDF:1021.4/55

All: -5.949+/-0.182 χ^2/NDF: 2134.1/108



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

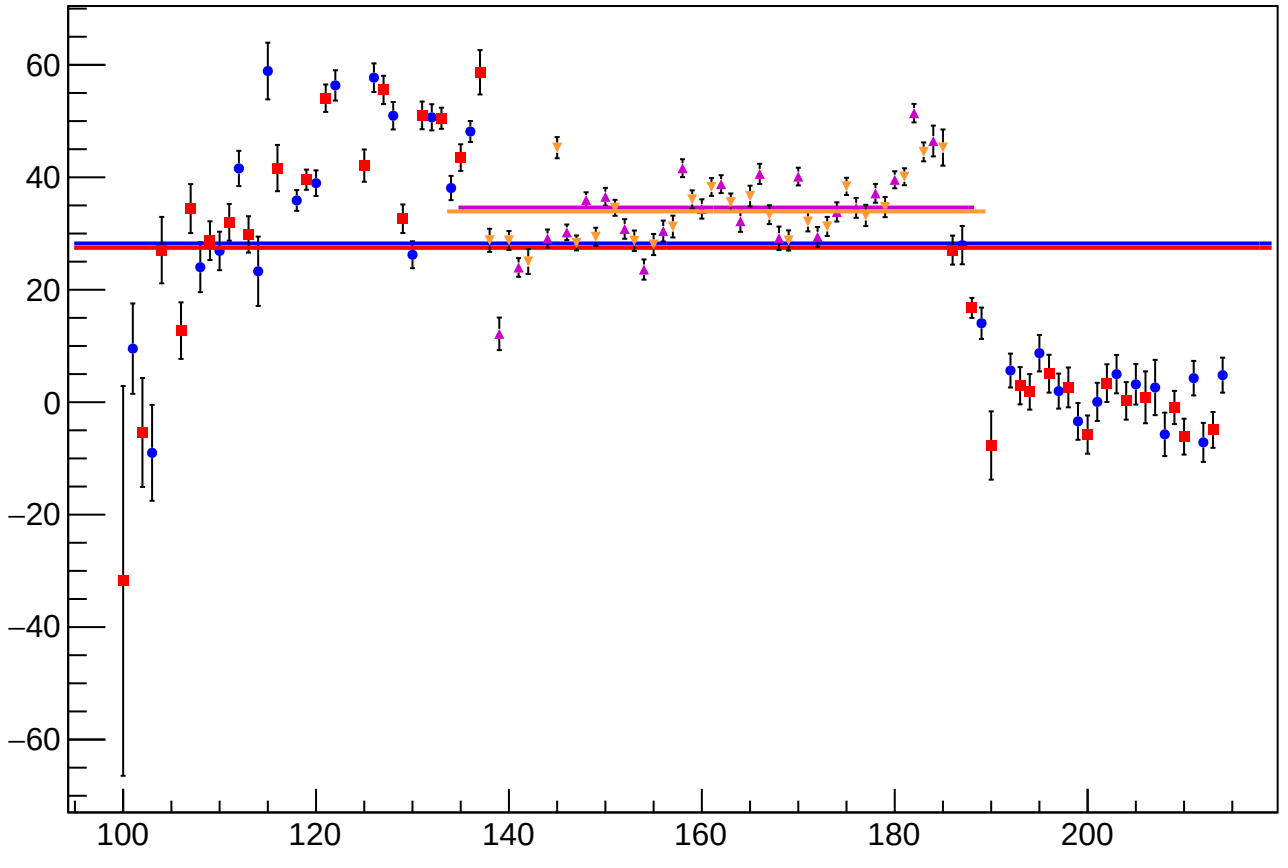
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 37.521+/-0.267 χ^2/NDF: 4971.8/61

In: 39.477+/-0.284 χ^2/NDF:2442.6/52

Out: 40.552+/-0.269 χ^2/NDF:3759.4/55

All: 40.044+/-0.195 χ^2/NDF: 6209.6/108



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

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

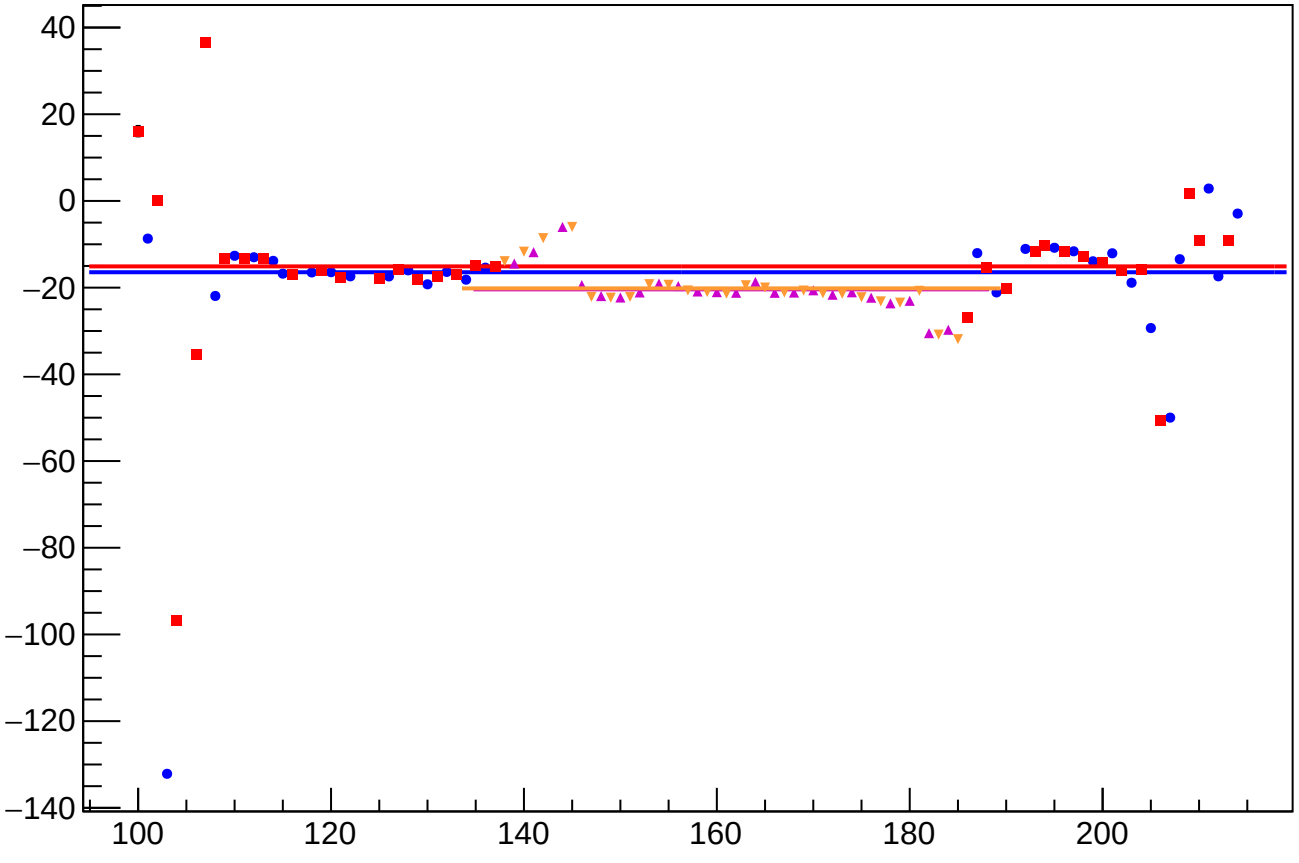
Right: 27.836+/-0.379 χ^2/NDF: 2999.8/61

In: 32.694+/-0.298 χ^2/NDF:1924.2/52

Out: 31.963+/-0.293 χ^2/NDF:1867.8/55

All: 32.323+/-0.209 χ^2/NDF: 3795.1/108

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

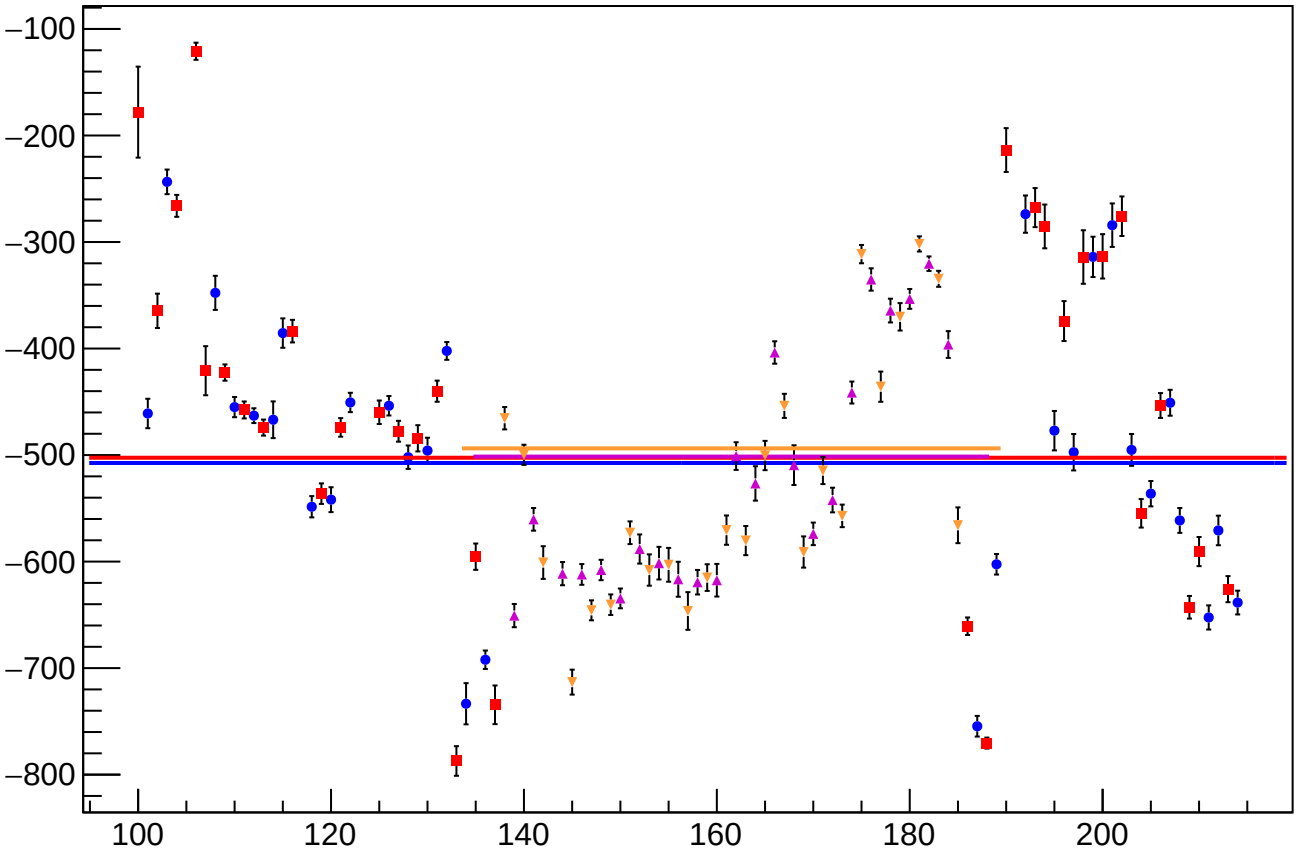
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -15.762+/-0.018 χ^2/NDF: 607654.7/61

In: -19.343+/-0.014 χ^2/NDF:428335.4/52

Out: -18.793+/-0.013 χ^2/NDF:403942.8/55

All: -19.067+/-0.010 χ^2/NDF: 833108.5/108



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

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

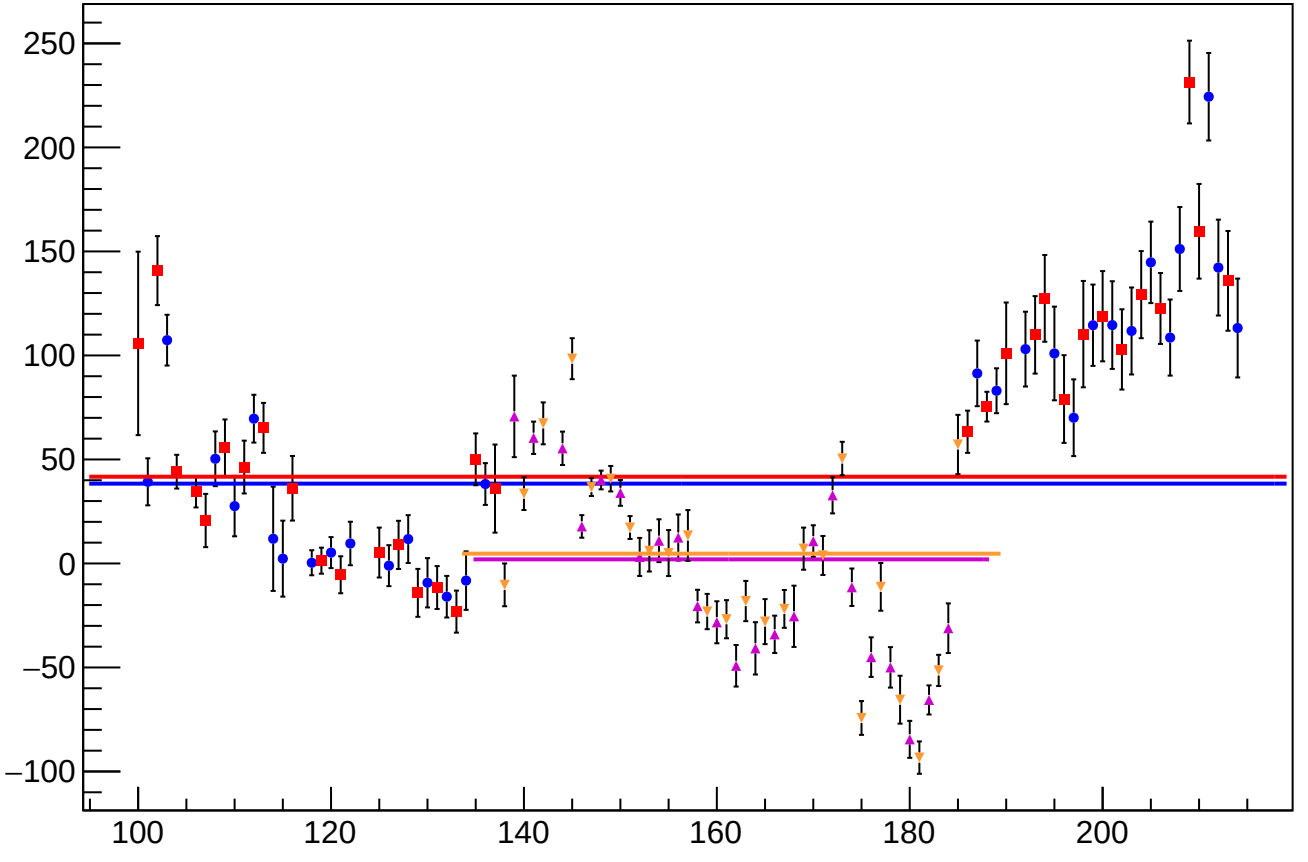
Right: -504.763+/-1.421 χ^2/NDF: 11313.3/61

In: -504.705+/-1.552 χ^2/NDF:5857.0/52

Out: -498.870+/-1.477 χ^2/NDF:11305.0/55

All: -501.644+/-1.070 χ^2/NDF: 17169.4/108

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

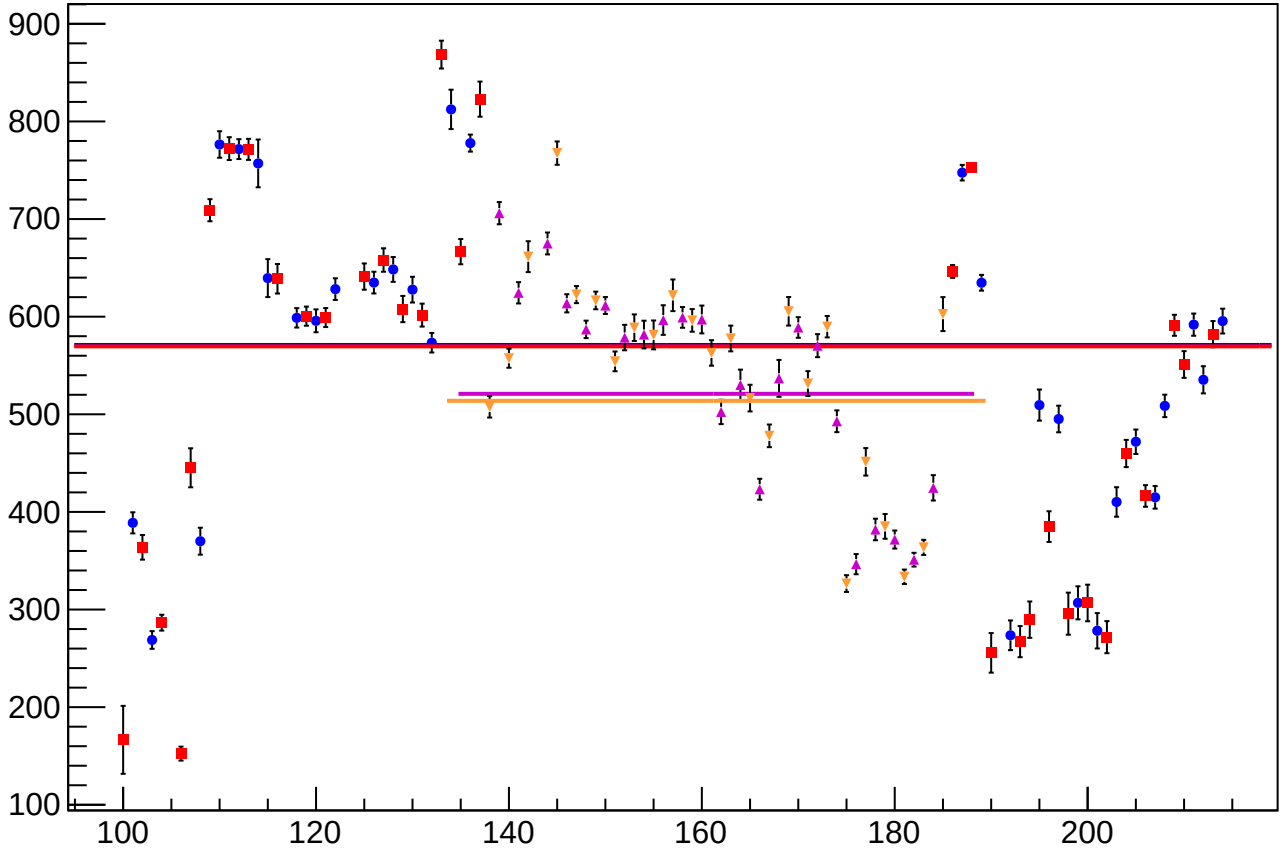
Right: 40.151+/-1.593 χ^2/NDF: 963.5/61

In: 14.805+/-1.386 χ^2/NDF:1186.1/52

Out: 18.660+/-1.338 χ^2/NDF:1354.5/55

All: 16.800+/-0.963 χ^2/NDF: 2544.6/108

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

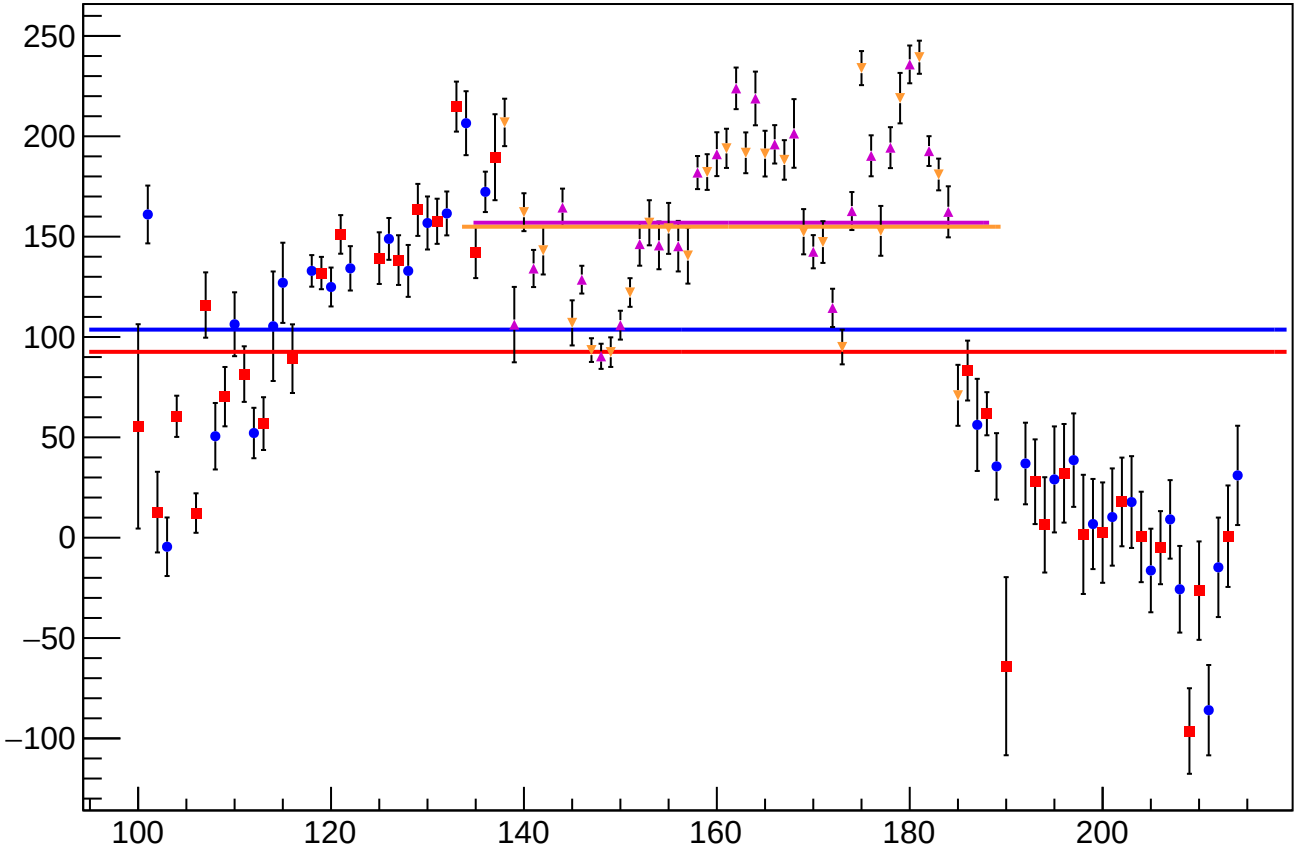
Right: 570.238+/-1.441 χ^2/NDF: 15688.4/61

In: 547.296+/-1.572 χ^2/NDF:7709.7/52

Out: 546.317+/-1.471 χ^2/NDF:13758.8/55

All: 546.774+/-1.074 χ^2/NDF: 21468.7/108

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

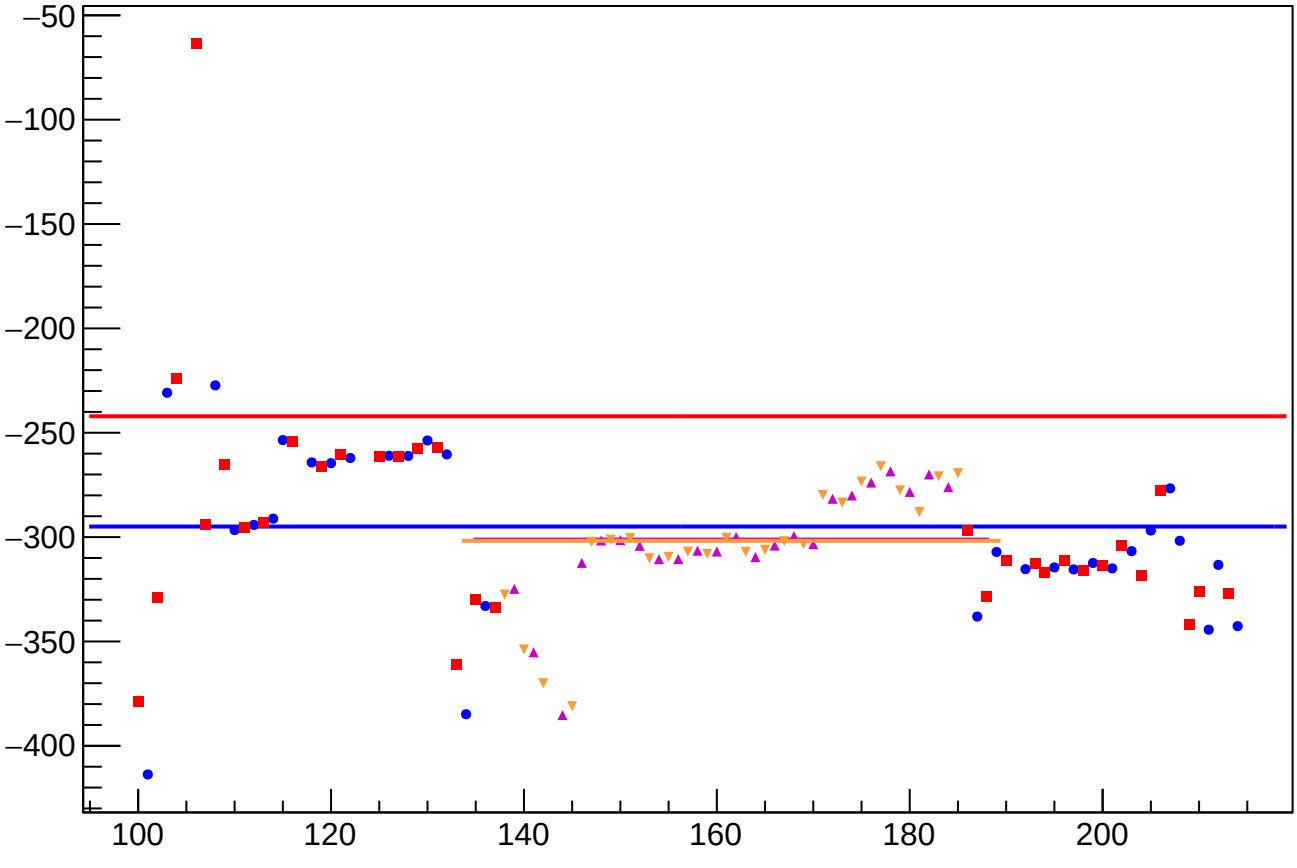
Right: 97.888+/-1.883 χ^2/NDF: 1213.1/61

In: 138.654+/-1.597 χ^2/NDF:1266.0/52

Out: 132.505+/-1.563 χ^2/NDF:1607.9/55

All: 135.511+/-1.117 χ^2/NDF: 2881.5/108

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

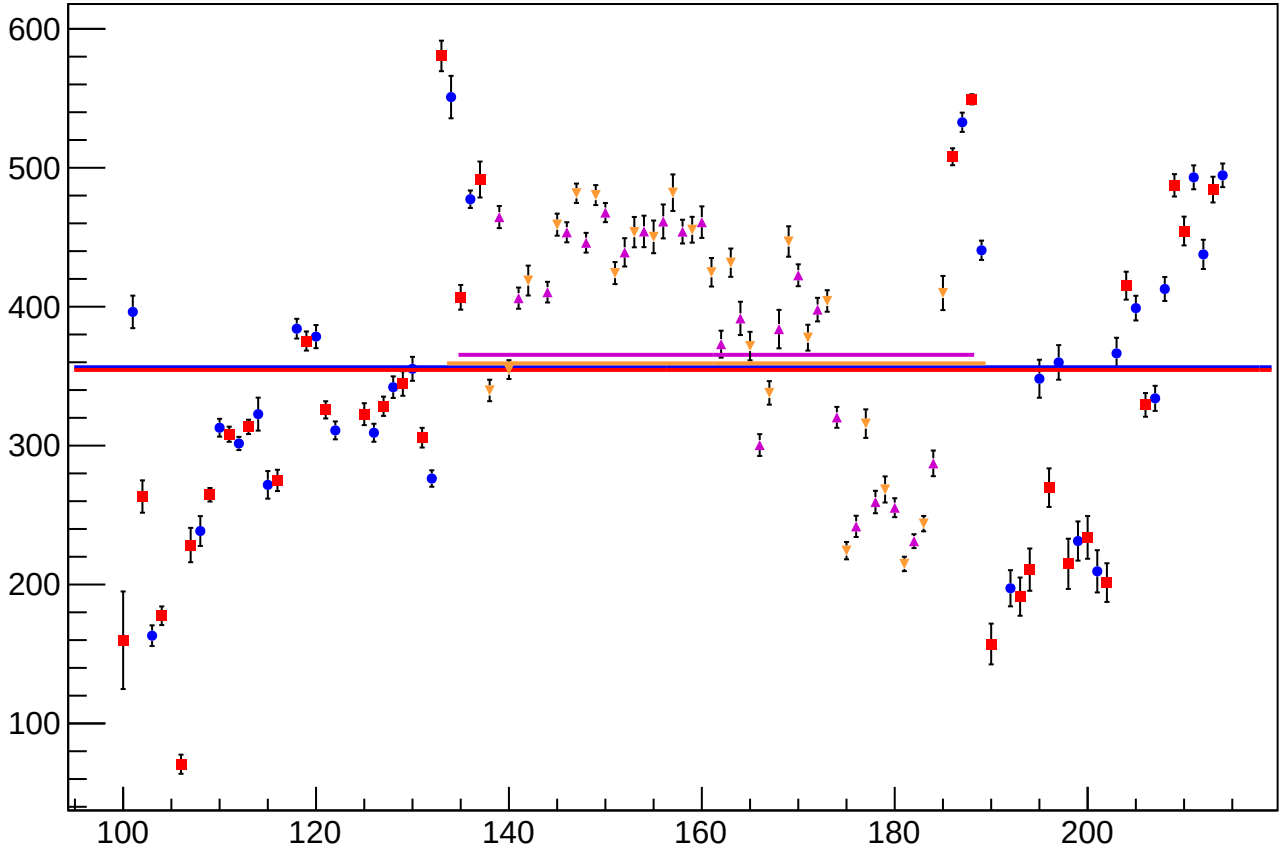
Right: -265.193+/-0.092 χ^2/NDF: 903139.0/61

In: -299.327+/-0.076 χ^2/NDF:194263.1/52

Out: -280.559+/-0.073 χ^2/NDF:944336.4/55

All: -289.611+/-0.052 χ^2/NDF: 1170581.8/10

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

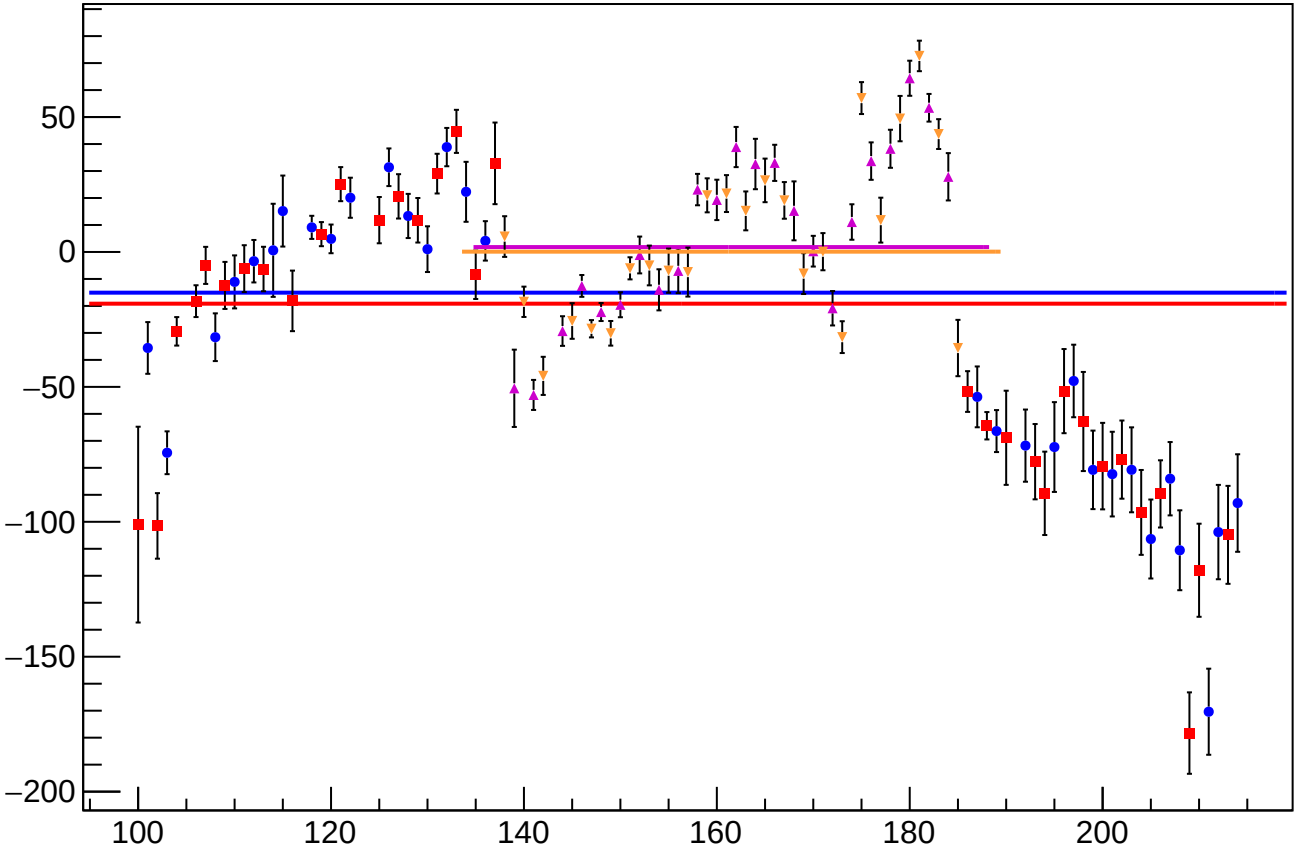
Right: 355.364+/-1.017 χ^2/NDF: 12306.2/61

In: 360.359+/-1.125 χ^2/NDF:6428.3/52

Out: 356.381+/-1.066 χ^2/NDF:11824.8/55

All: 358.263+/-0.774 χ^2/NDF: 18259.6/108

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

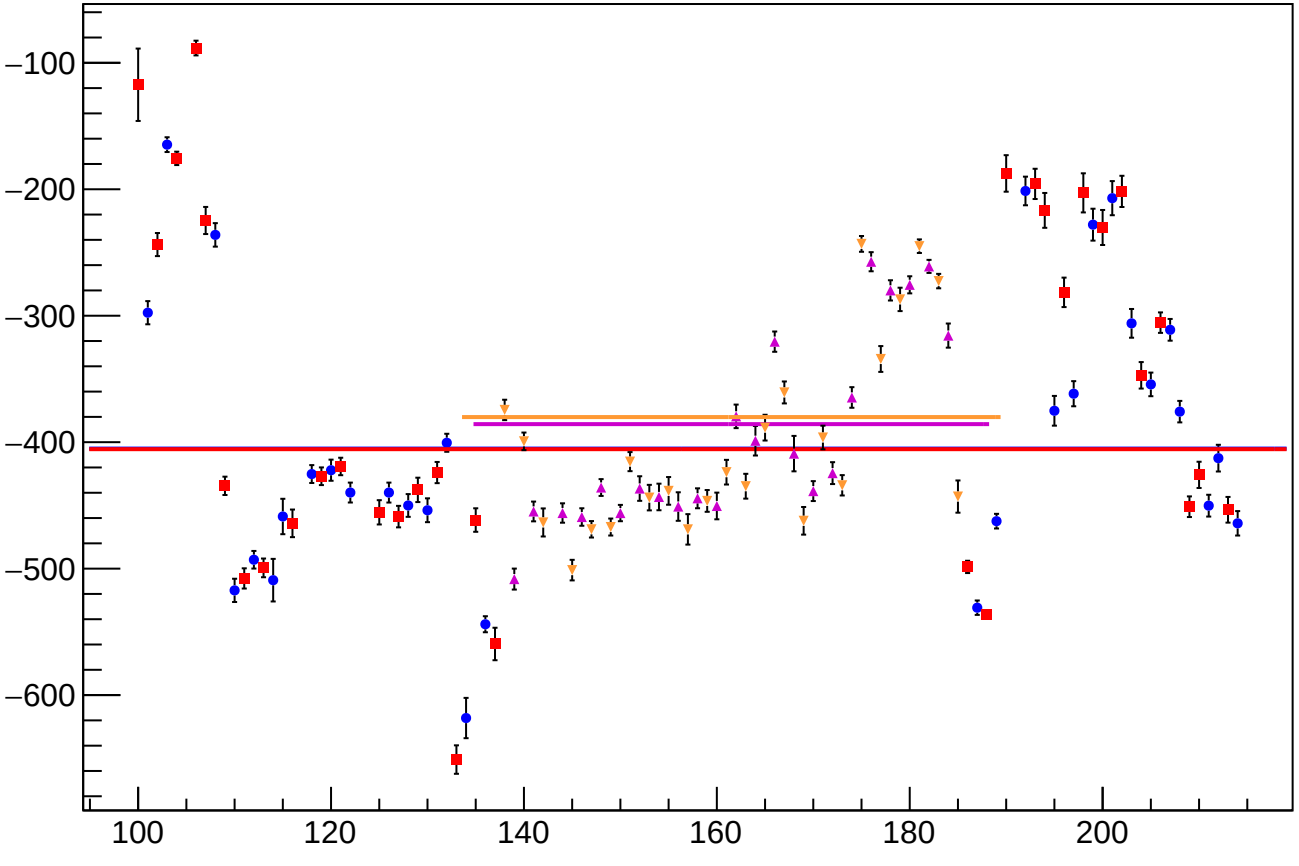
Right: -17.286+/-1.137 χ^2/NDF: 1397.1/61

In: -4.333+/-1.011 χ^2/NDF:1311.0/52

Out: -7.476+/-0.971 χ^2/NDF:1456.6/55

All: -5.968+/-0.700 χ^2/NDF: 2772.7/108

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

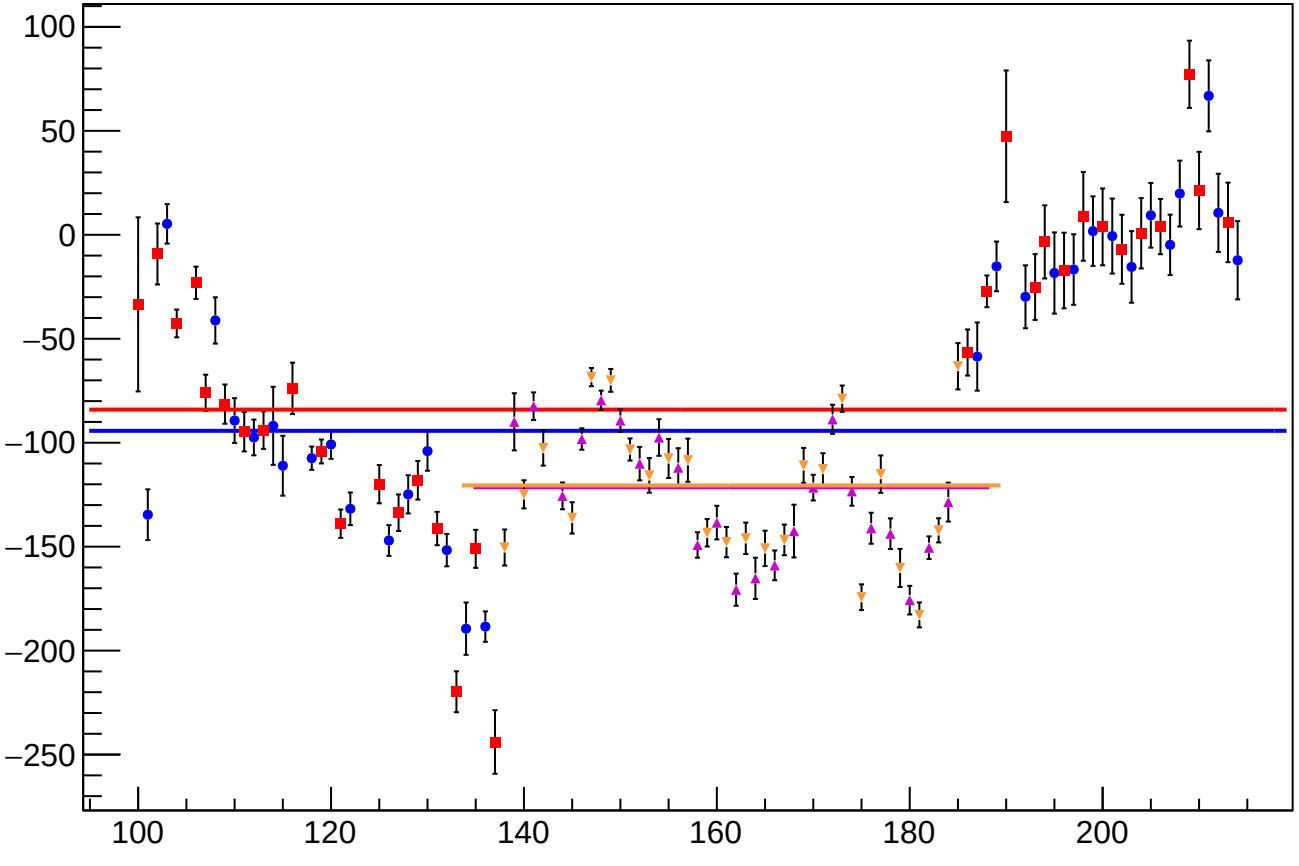
Right: -405.331+/-1.036 χ^2/NDF: 15646.2/61

In: -396.083+/-1.143 χ^2/NDF:7364.0/52

Out: -395.197+/-1.065 χ^2/NDF:13470.4/55

All: -395.609+/-0.779 χ^2/NDF: 20834.7/108

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

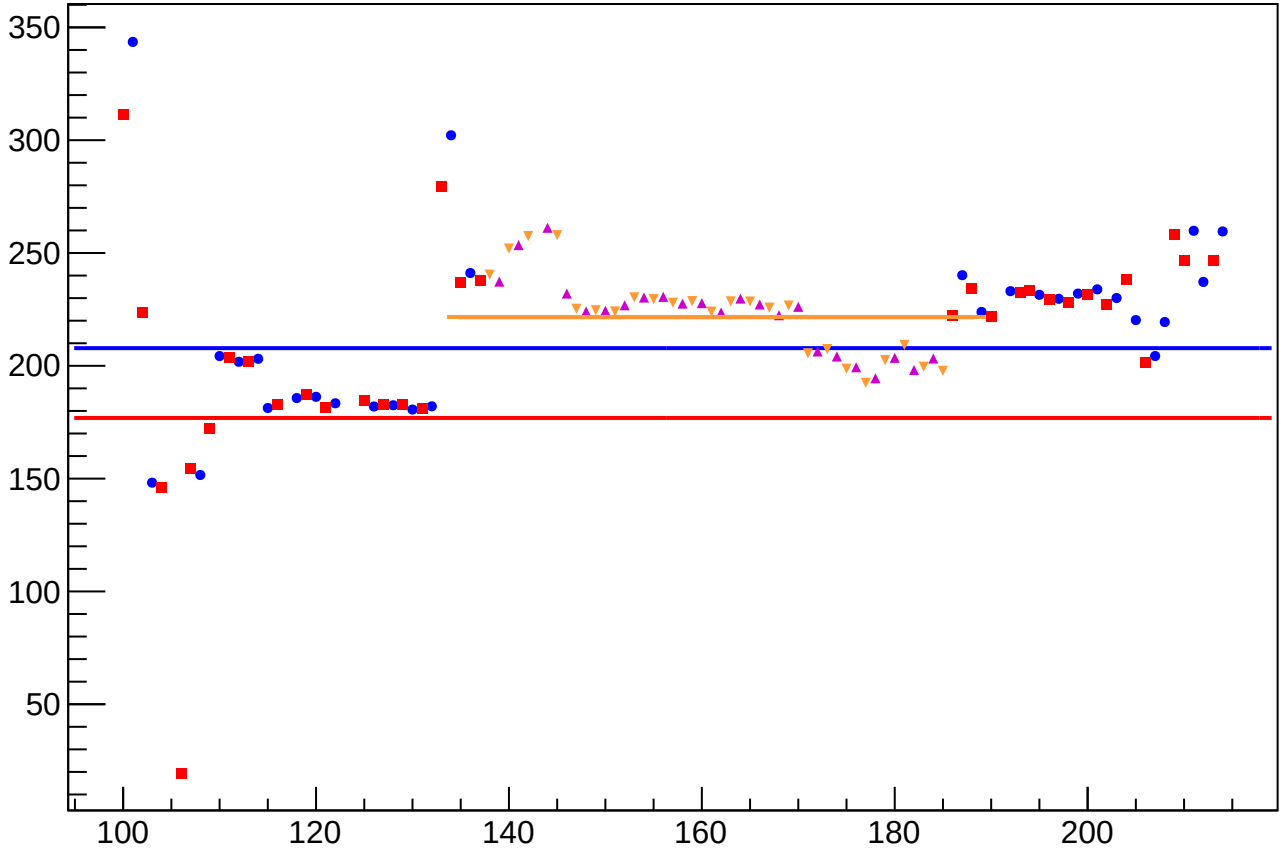
Right: -88.888+/-1.344 χ^2/NDF: 2073.1/61

In: -111.833+/-1.165 χ^2/NDF:1529.2/52

Out: -106.827+/-1.134 χ^2/NDF:1940.8/55

All: -109.261+/-0.813 χ^2/NDF: 3479.5/108

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

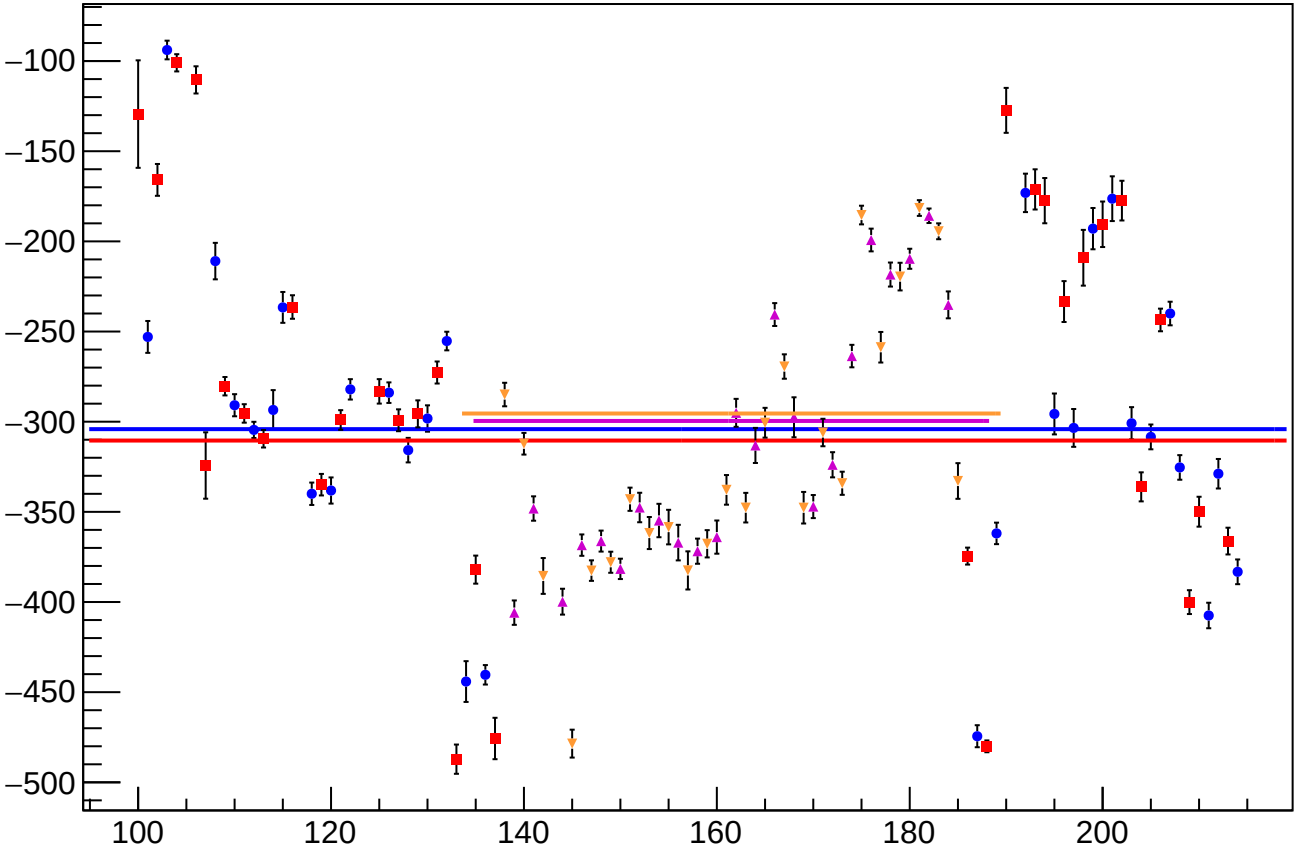
Right: 190.892+/-0.067 χ^2/NDF: 937712.1/61

In: 217.351+/-0.055 χ^2/NDF:285263.5/52

Out: 205.877+/-0.054 χ^2/NDF:900810.5/55

All: 211.461+/-0.038 χ^2/NDF: 1208330.6/108

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

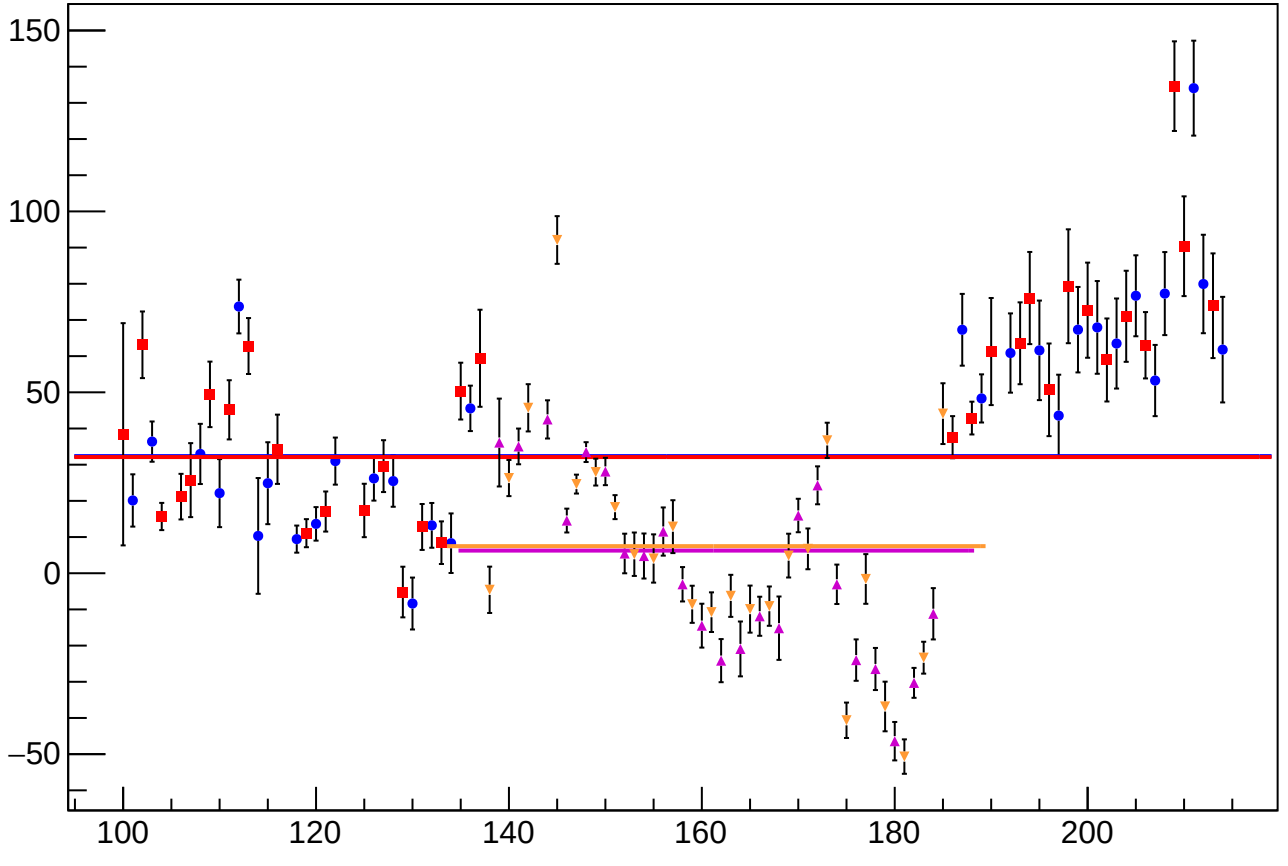
Right: -307.493+/-0.873 χ^2/NDF: 12510.7/61

In: -302.065+/-0.942 χ^2/NDF:7466.5/52

Out: -304.084+/-0.908 χ^2/NDF:11421.6/55

All: -303.111+/-0.654 χ^2/NDF: 18890.4/108

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

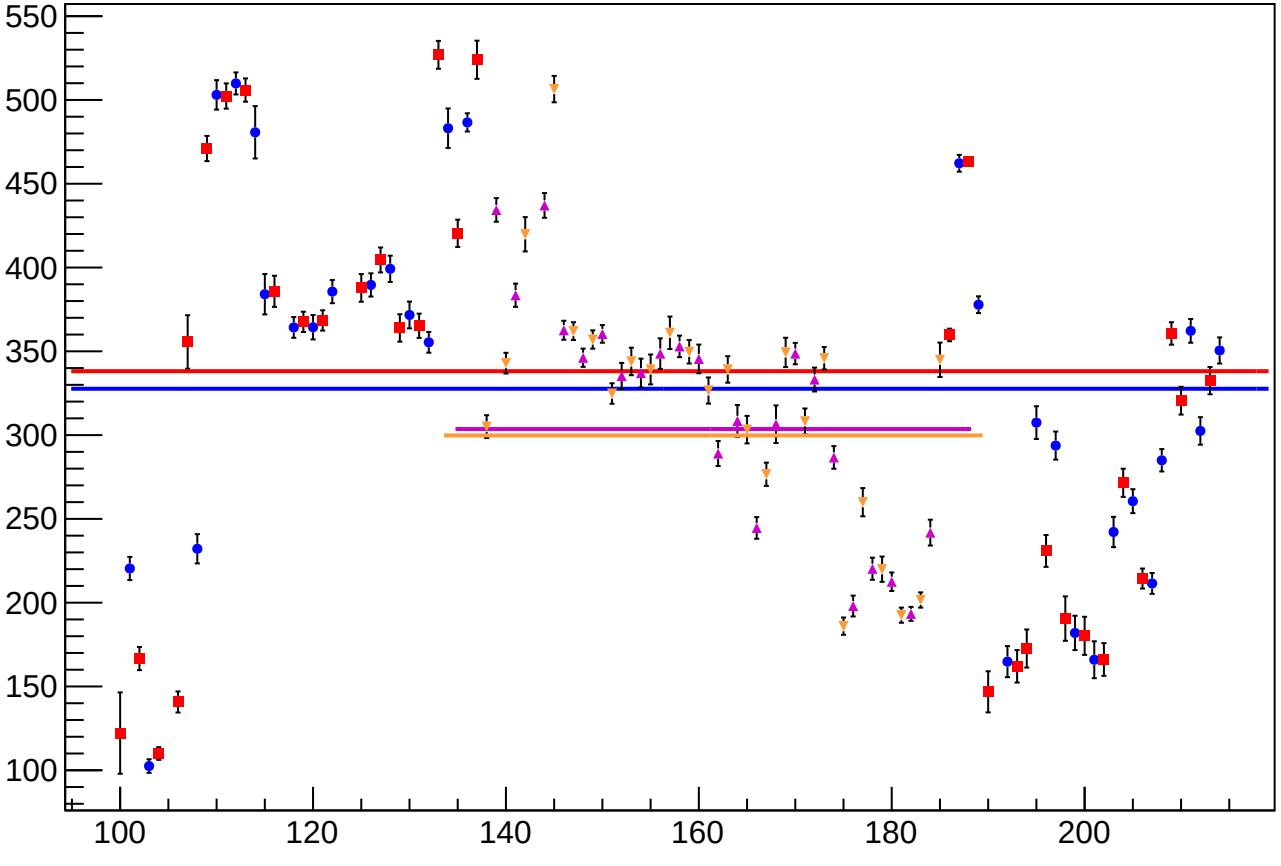
Right: 32.230+/-0.973 χ^2/NDF: 645.5/61

In: 15.436+/-0.841 χ^2/NDF:1092.4/52

Out: 16.666+/-0.815 χ^2/NDF:1283.7/55

All: 16.071+/-0.586 χ^2/NDF: 2377.2/108

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

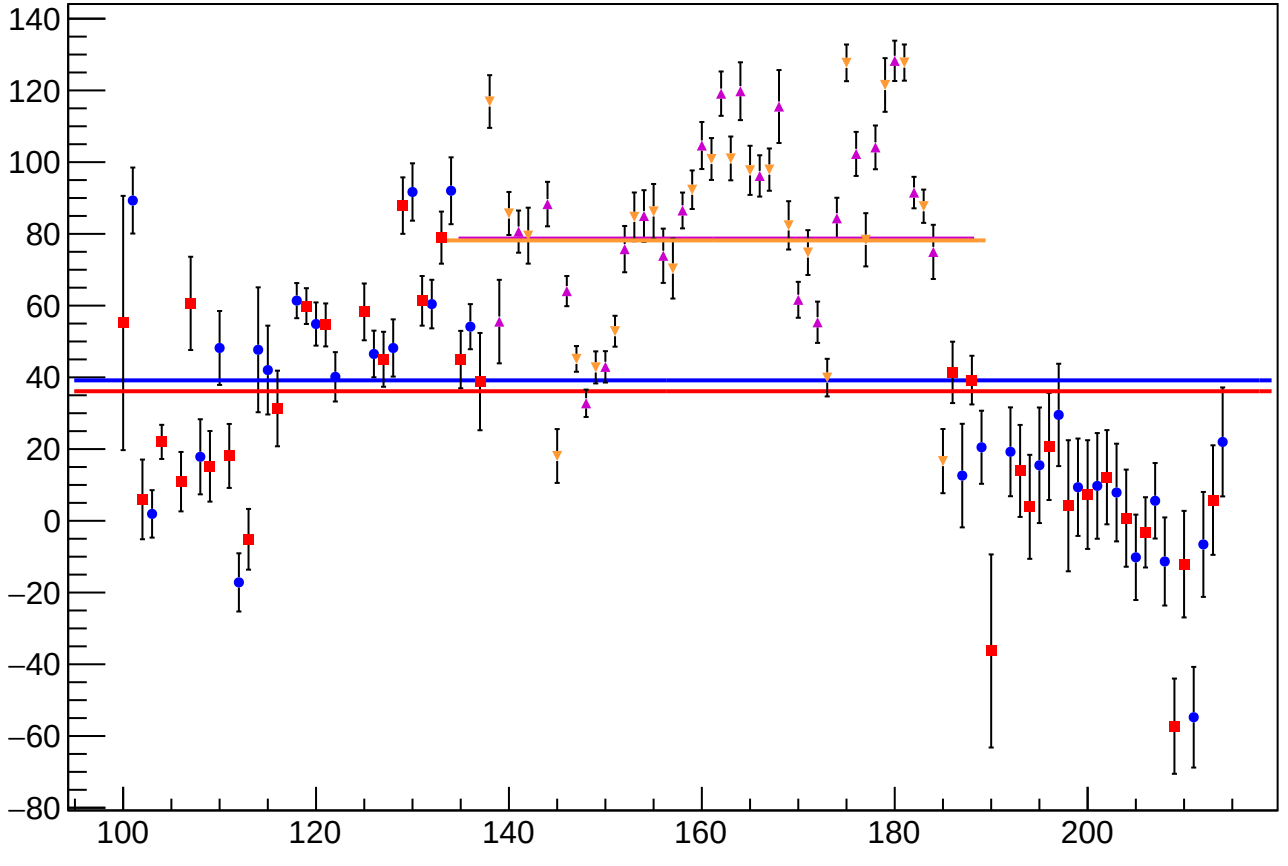
Right: 333.407+/-0.874 χ^2/NDF: 20450.3/61

In: 316.399+/-0.947 χ^2/NDF:11290.2/52

Out: 321.968+/-0.897 χ^2/NDF:15678.2/55

All: 319.334+/-0.651 χ^2/NDF: 26986.6/108

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

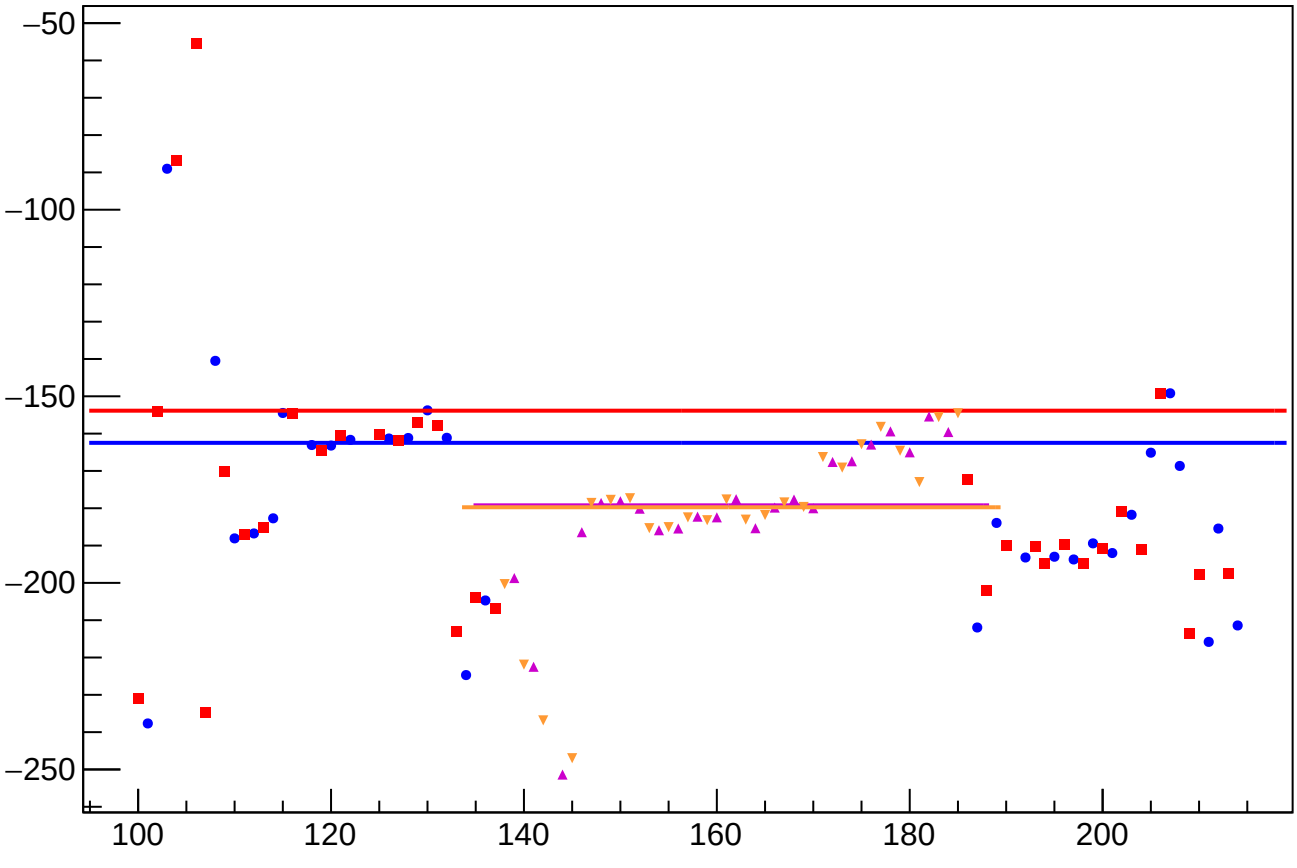
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 37.586+/-1.149 χ^2/NDF: 672.9/61

In: 65.168+/-0.969 χ^2/NDF:1224.6/52

Out: 63.234+/-0.951 χ^2/NDF:1420.8/55

All: 64.183+/-0.679 χ^2/NDF: 2647.4/108



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

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

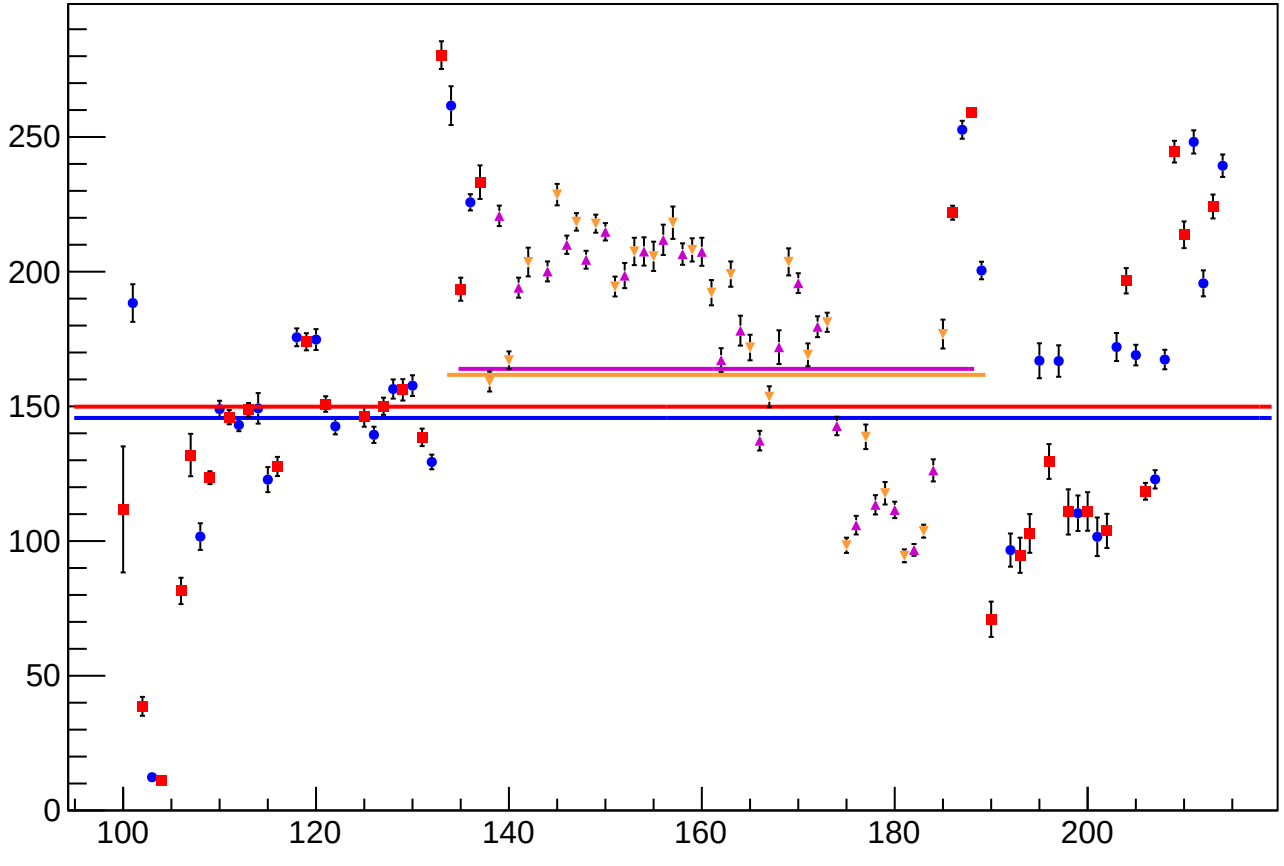
Right: -158.014+/-0.056 χ^2/NDF: 758101.4/61

In: -173.917+/-0.045 χ^2/NDF:459889.1/52

Out: -171.049+/-0.045 χ^2/NDF:642173.6/55

All: -172.476+/-0.032 χ^2/NDF: 1104099.1/10

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

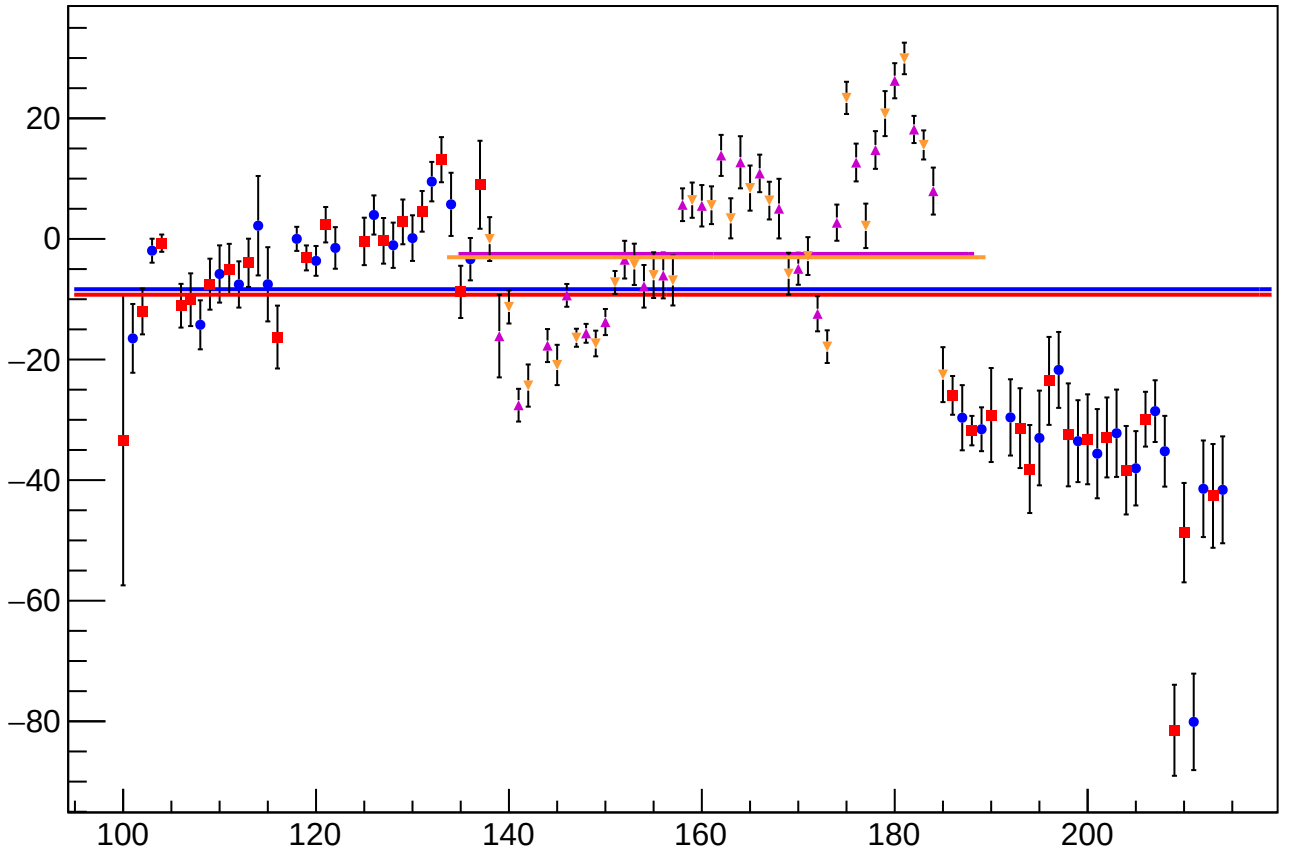
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 147.942+/-0.455 χ^2/NDF: 23851.6/61

In: 153.404+/-0.507 χ^2/NDF:13133.2/52

Out: 154.506+/-0.485 χ^2/NDF:18077.2/55

All: 153.979+/-0.350 χ^2/NDF: 31212.9/108



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

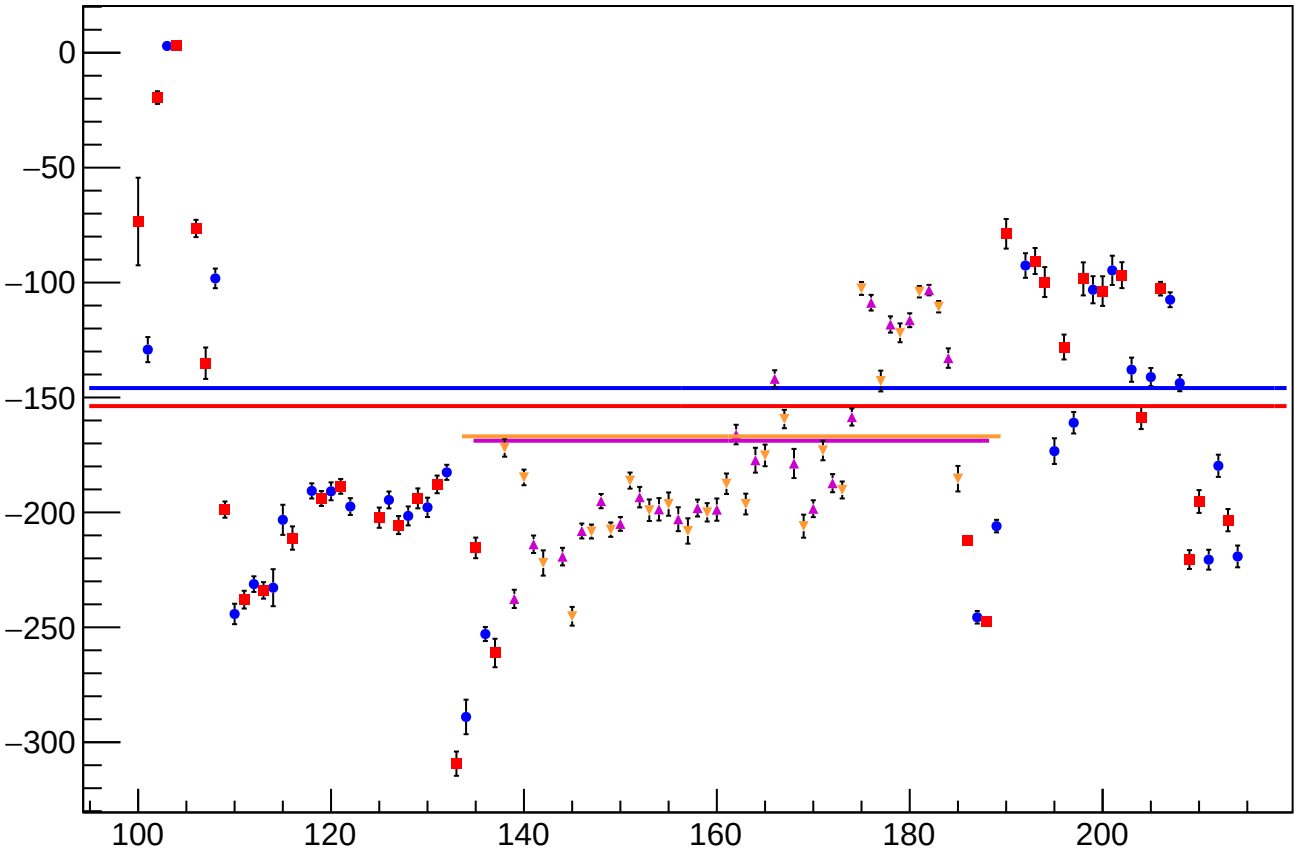
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -8.838+/-0.499 χ^2/NDF: 888.5/61

In: -4.742+/-0.460 χ^2/NDF:996.4/52

Out: -5.666+/-0.439 χ^2/NDF:1195.7/55

All: -5.226+/-0.318 χ^2/NDF: 2194.2/108



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

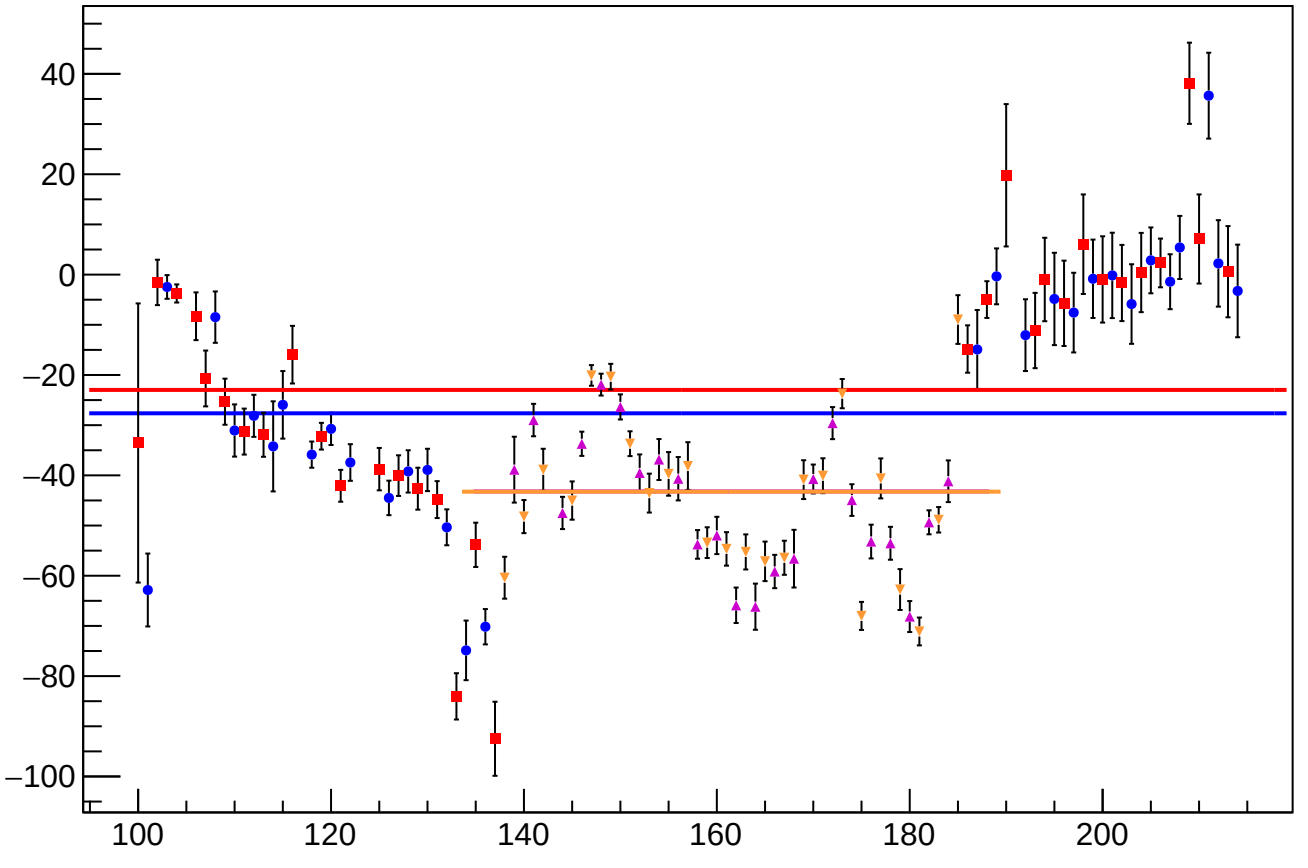
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -150.206+/-0.448 χ^2/NDF: 42428.2/61

In: -155.685+/-0.505 χ^2/NDF:21426.5/52

Out: -158.766+/-0.476 χ^2/NDF:27765.9/55

All: -157.316+/-0.346 χ^2/NDF: 49212.1/108



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

Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

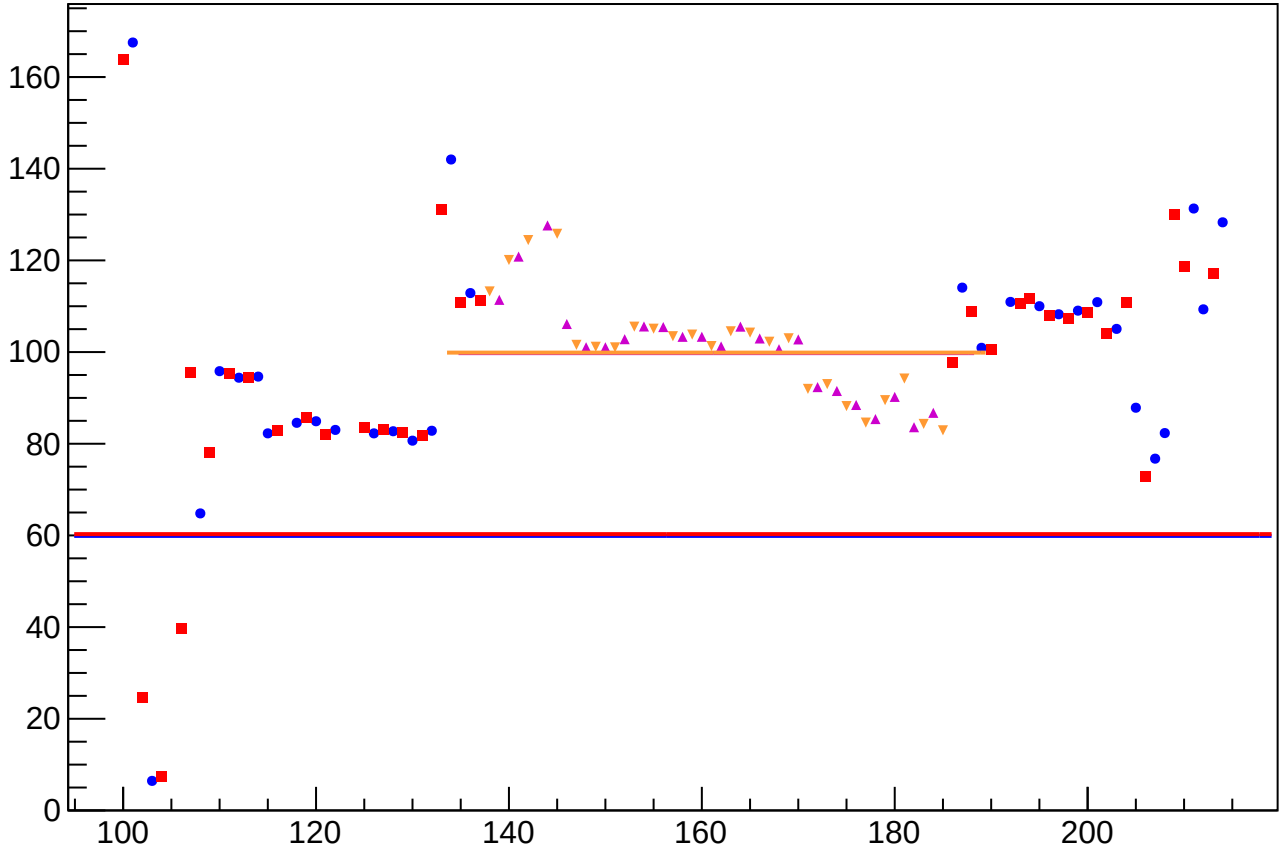
Right: -25.146+/-0.592 χ^2/NDF: 1482.8/61

In: -37.385+/-0.530 χ^2/NDF:1286.1/52

Out: -35.095+/-0.513 χ^2/NDF:1774.2/55

All: -36.204+/-0.369 χ^2/NDF: 3069.9/108

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

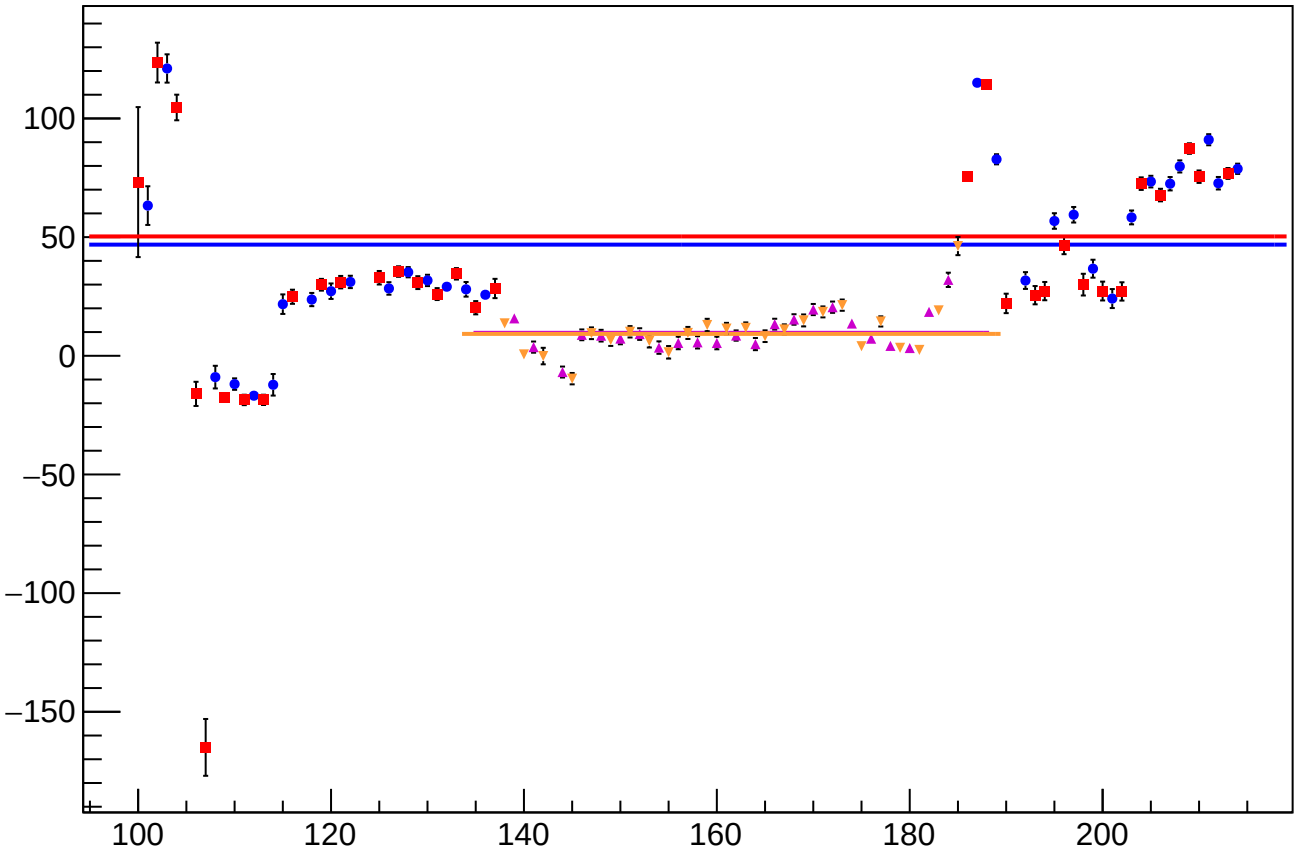
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 60.093+/-0.027 χ^2/NDF: 2931010.9/61

In: 84.300+/-0.024 χ^2/NDF:2343864.4/52

Out: 84.259+/-0.024 χ^2/NDF:2138393.3/55

All: 84.279+/-0.017 χ^2/NDF: 4482259.2/108



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

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

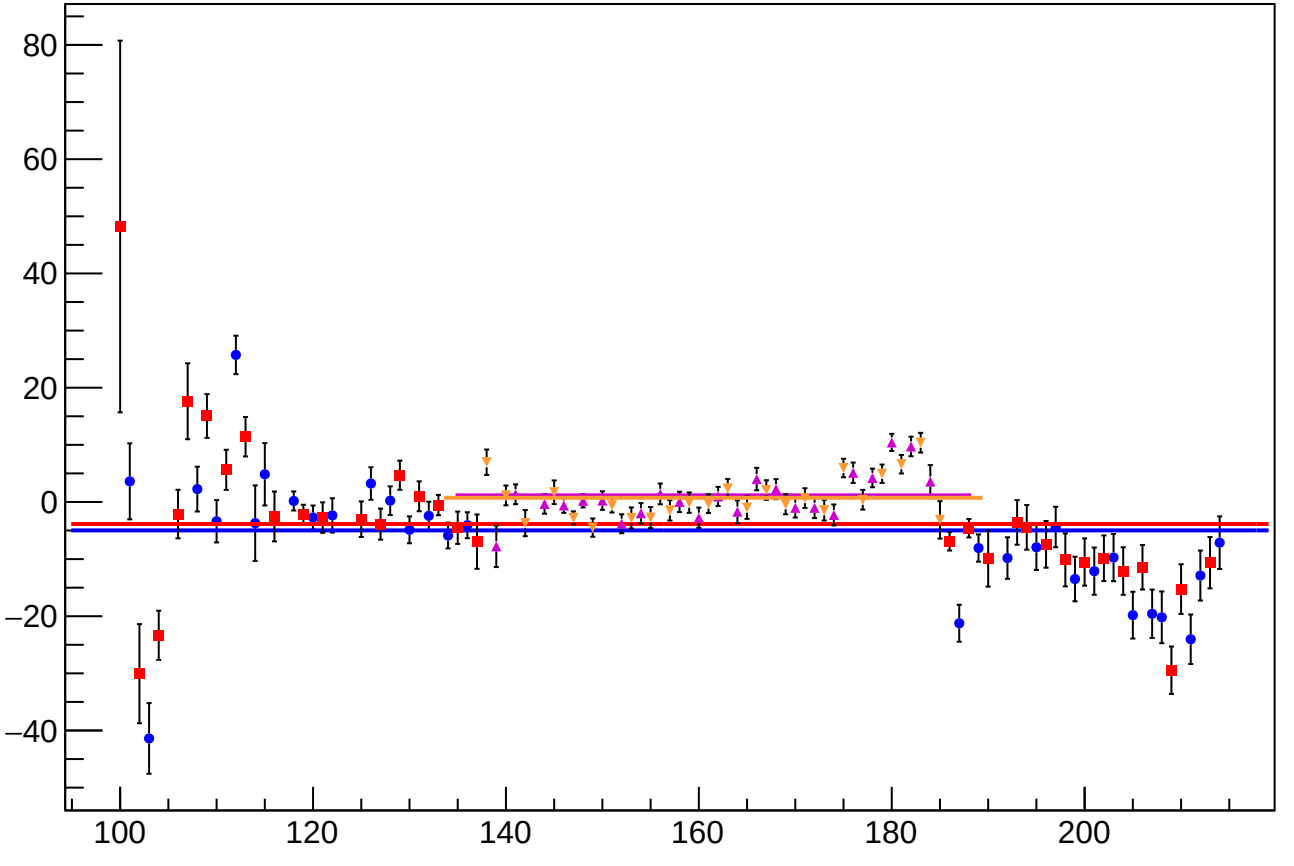
Right: 48.693+/-0.337 χ^2/NDF: 13759.2/61

In: 27.017+/-0.338 χ^2/NDF:8420.5/52

Out: 29.613+/-0.324 χ^2/NDF:12919.7/55

All: 28.369+/-0.234 χ^2/NDF: 21371.0/108

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

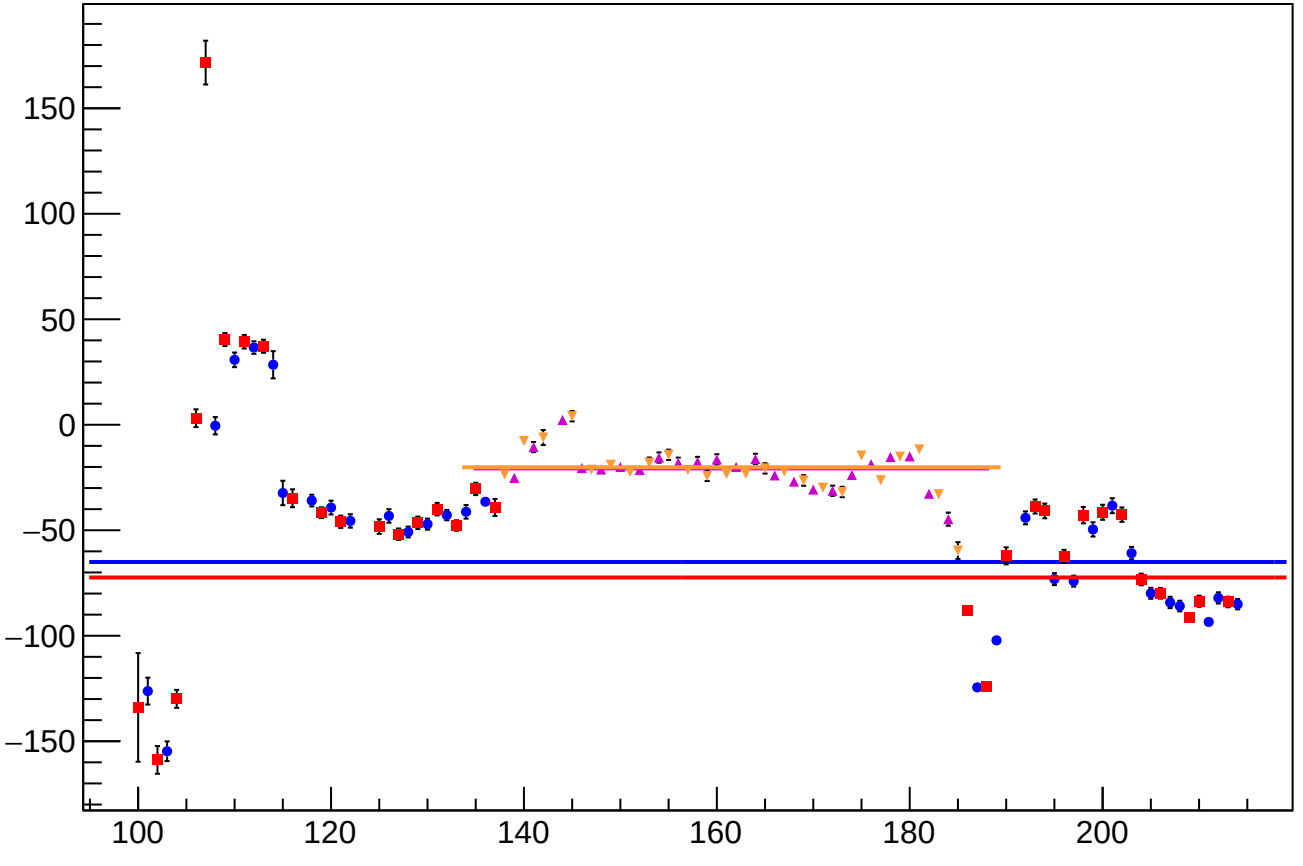
Right: -4.383+/-0.394 χ^2/NDF: 432.8/61

In: -0.558+/-0.303 χ^2/NDF:441.9/52

Out: -0.619+/-0.294 χ^2/NDF:342.0/55

All: -0.590+/-0.211 χ^2/NDF: 783.9/108

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

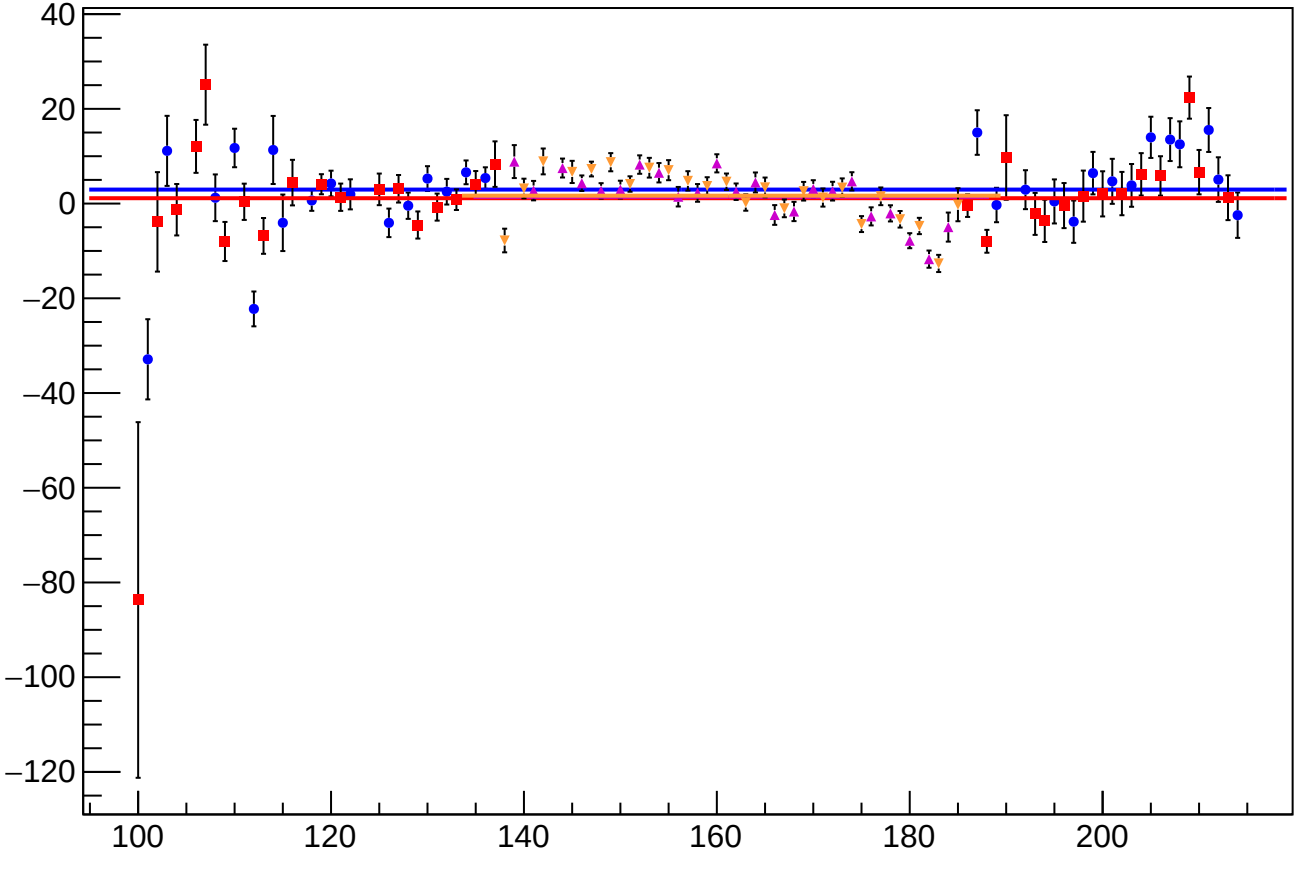
Right: -69.151+/-0.336 χ^2/NDF: 15771.2/61

In: -40.616+/-0.340 χ^2/NDF:10404.0/52

Out: -46.464+/-0.319 χ^2/NDF:16916.3/55

All: -43.725+/-0.232 χ^2/NDF: 27477.9/108

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

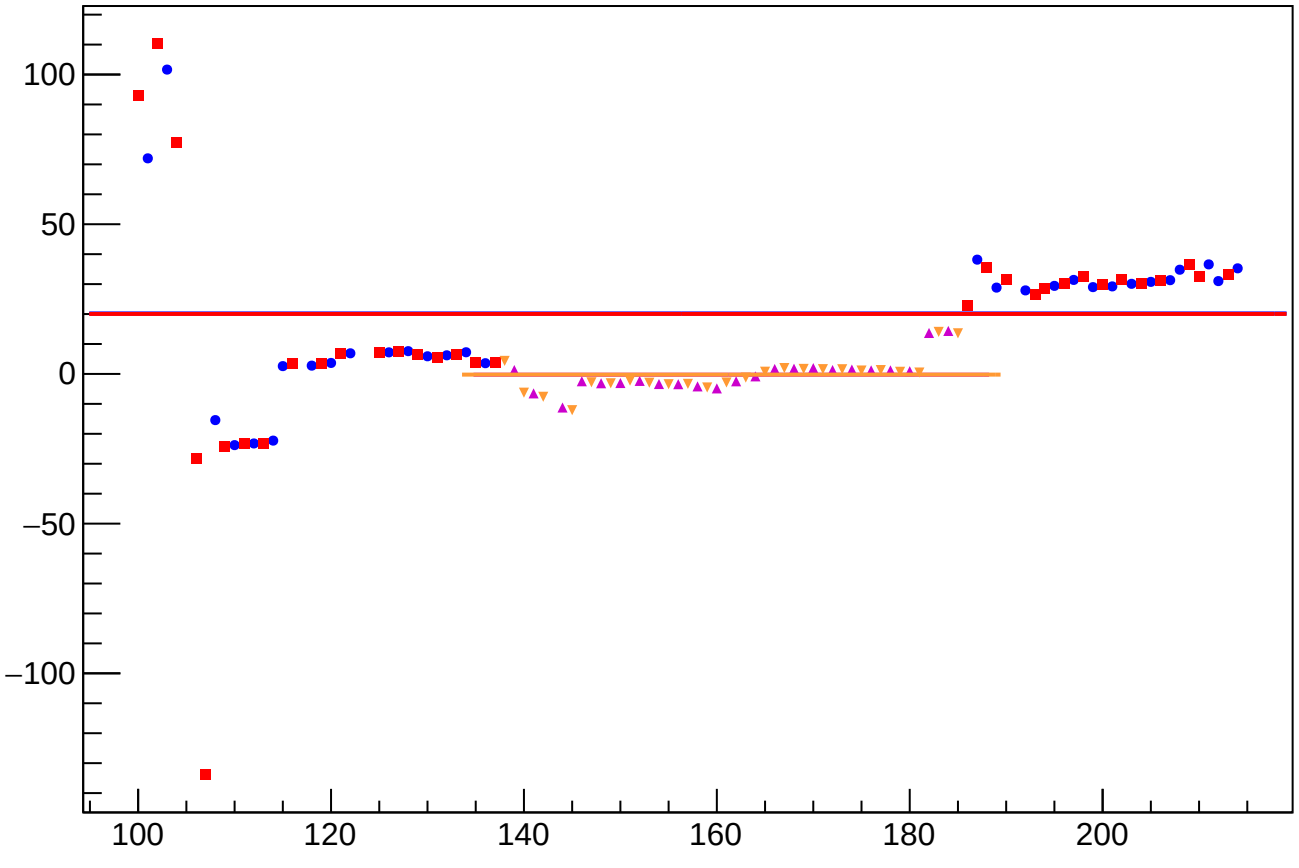
Right: 2.022+/-0.464 χ^2/NDF: 207.0/61

In: 1.839+/-0.344 χ^2/NDF:288.0/52

Out: 1.525+/-0.337 χ^2/NDF:260.2/55

All: 1.678+/-0.241 χ^2/NDF: 548.7/108

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

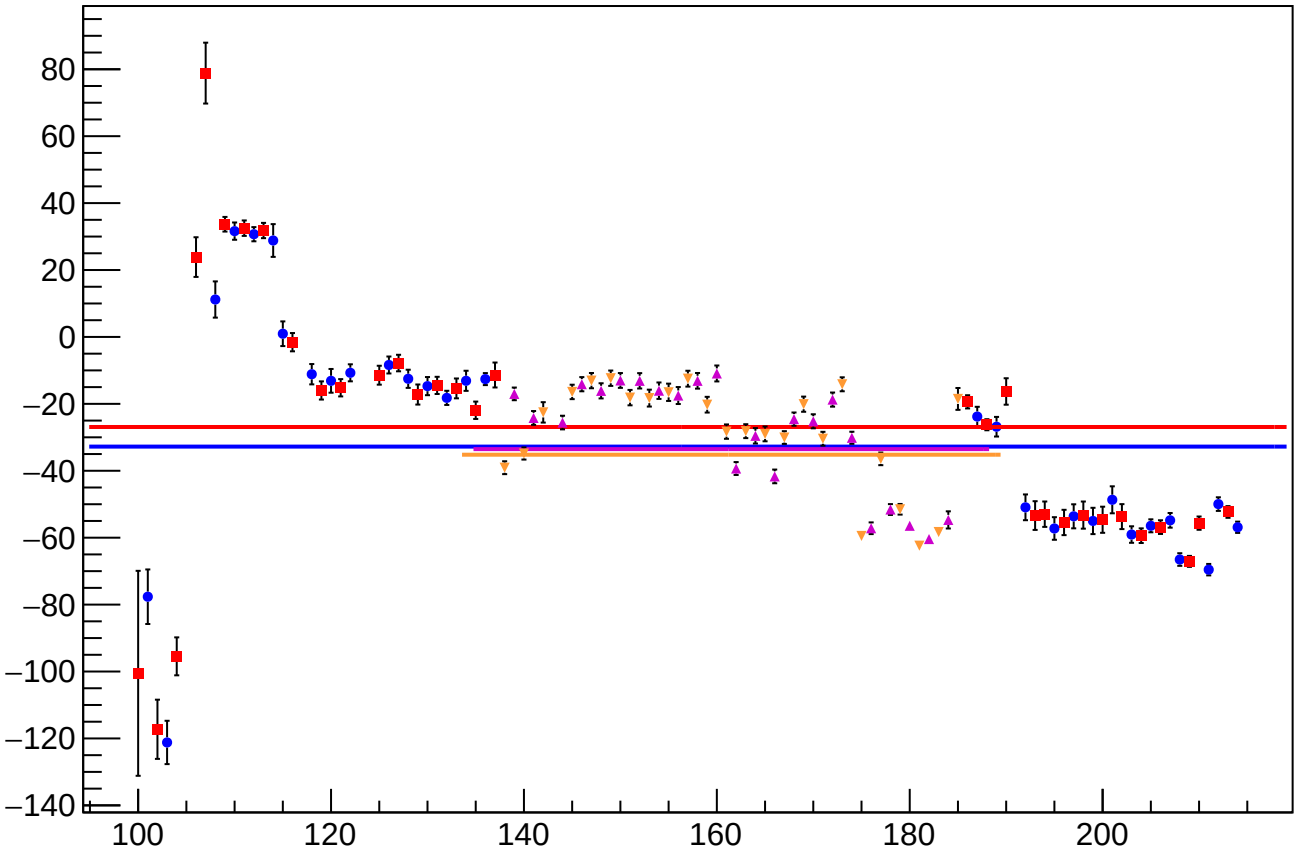
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 20.118+/-0.023 χ^2/NDF: 1035067.6/61

In: 4.328+/-0.016 χ^2/NDF:804407.5/52

Out: 4.279+/-0.016 χ^2/NDF:977204.6/55

All: 4.303+/-0.011 χ^2/NDF: 1781617.1/108



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

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

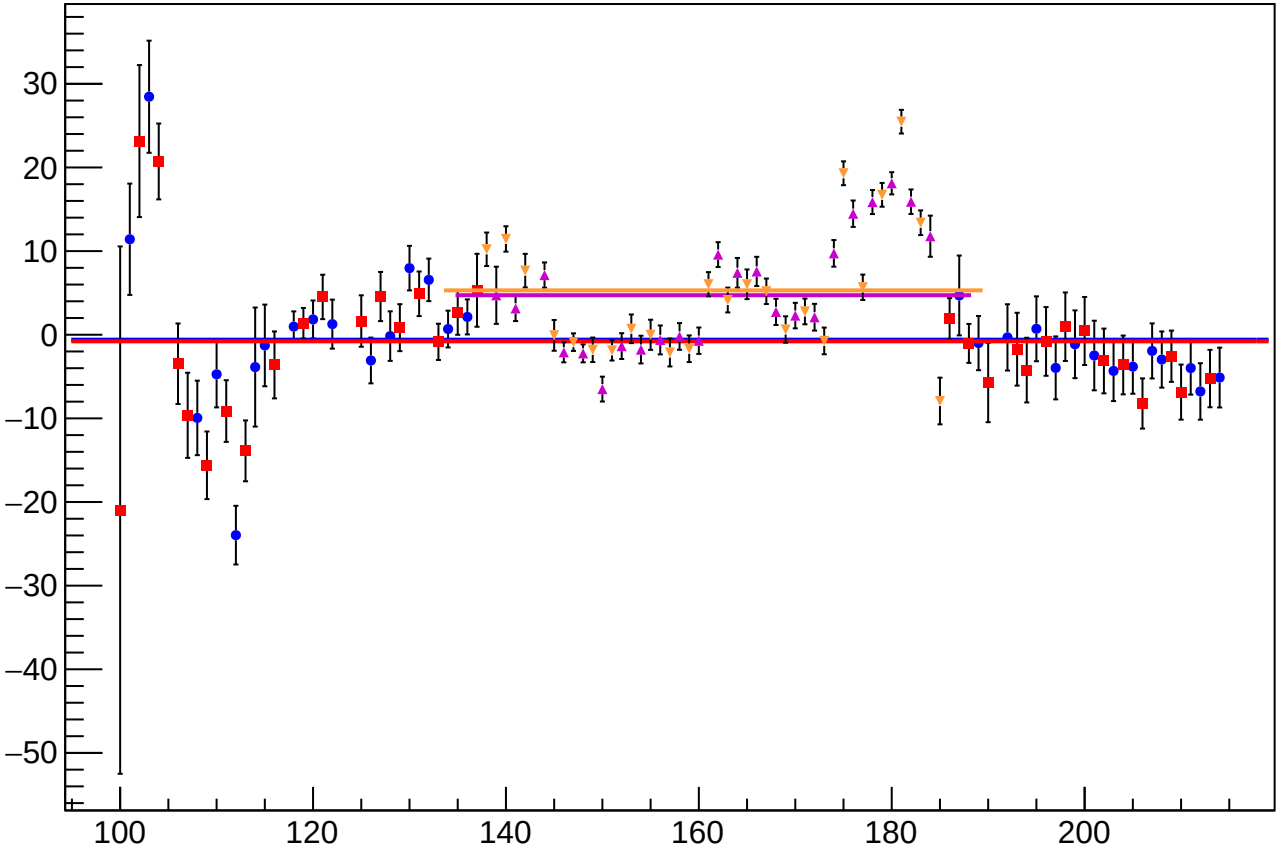
Right: -29.834+/-0.336 χ^2/NDF: 8881.9/61

In: -33.204+/-0.312 χ^2/NDF:6009.8/52

Out: -31.669+/-0.309 χ^2/NDF:6629.8/55

All: -32.429+/-0.220 χ^2/NDF: 12651.8/108

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

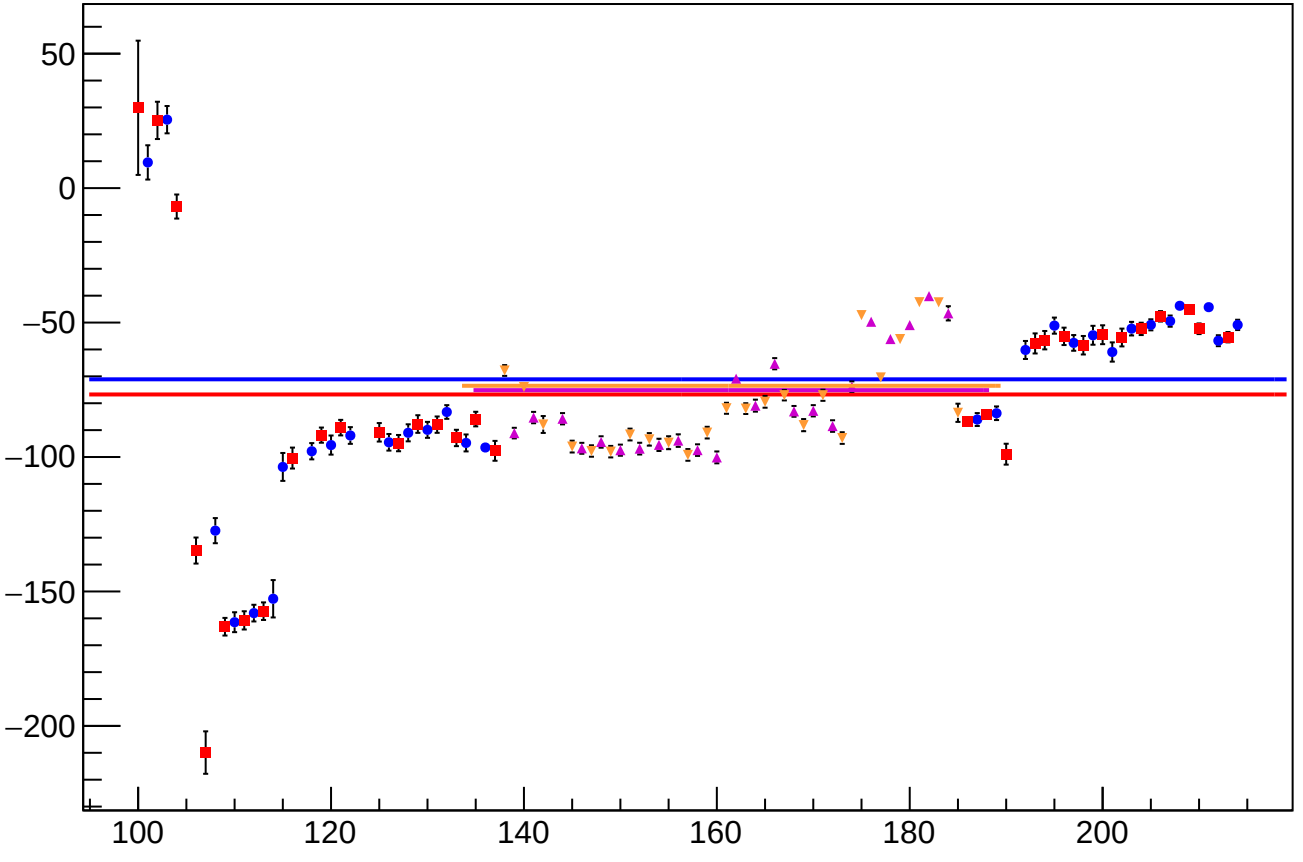
Right: -0.689+/-0.410 χ^2/NDF: 205.9/61

In: 3.481+/-0.281 χ^2/NDF:667.0/52

Out: 3.912+/-0.277 χ^2/NDF:809.1/55

All: 3.700+/-0.197 χ^2/NDF: 1477.3/108

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

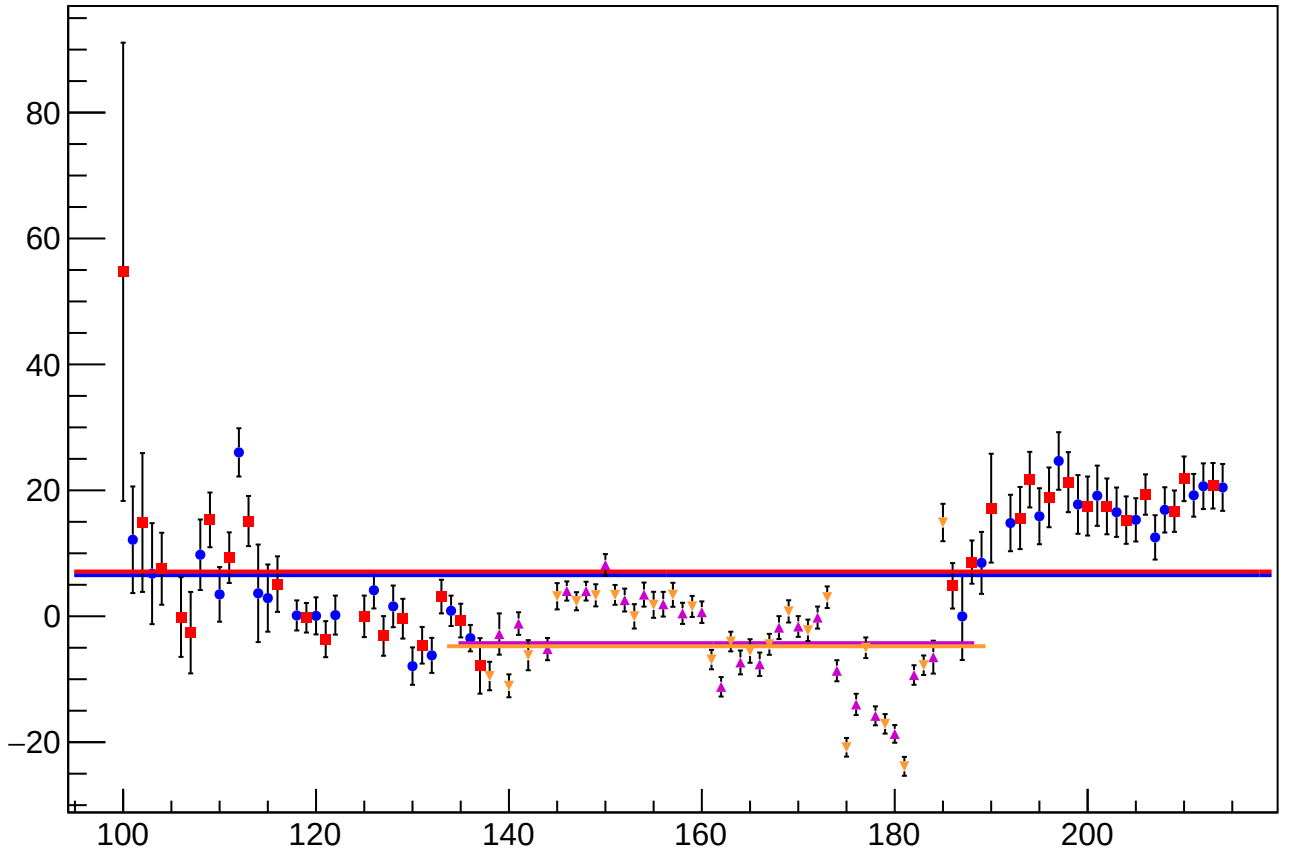
Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

Right: -73.997+/-0.345 χ^2/NDF: 8273.5/61

In: -73.494+/-0.316 χ^2/NDF:6260.4/52

Out: -74.845+/-0.310 χ^2/NDF:6766.1/55

All: -74.181+/-0.221 χ^2/NDF: 13035.8/108



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

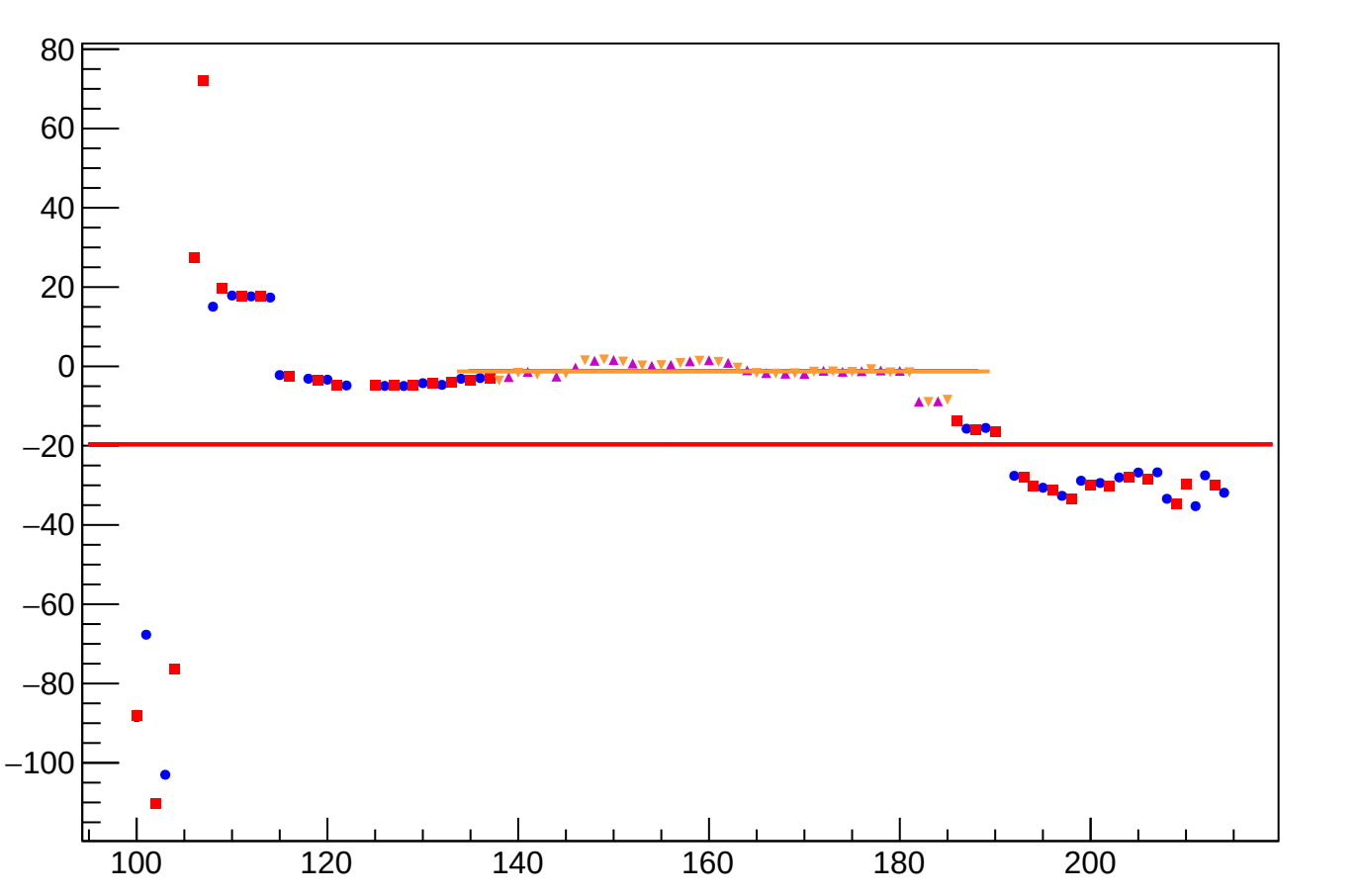
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 6.811+/-0.468 χ^2/NDF: 422.4/61

In: -1.766+/-0.316 χ^2/NDF:857.1/52

Out: -2.160+/-0.313 χ^2/NDF:1019.7/55

All: -1.964+/-0.223 χ^2/NDF: 1877.6/108



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

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

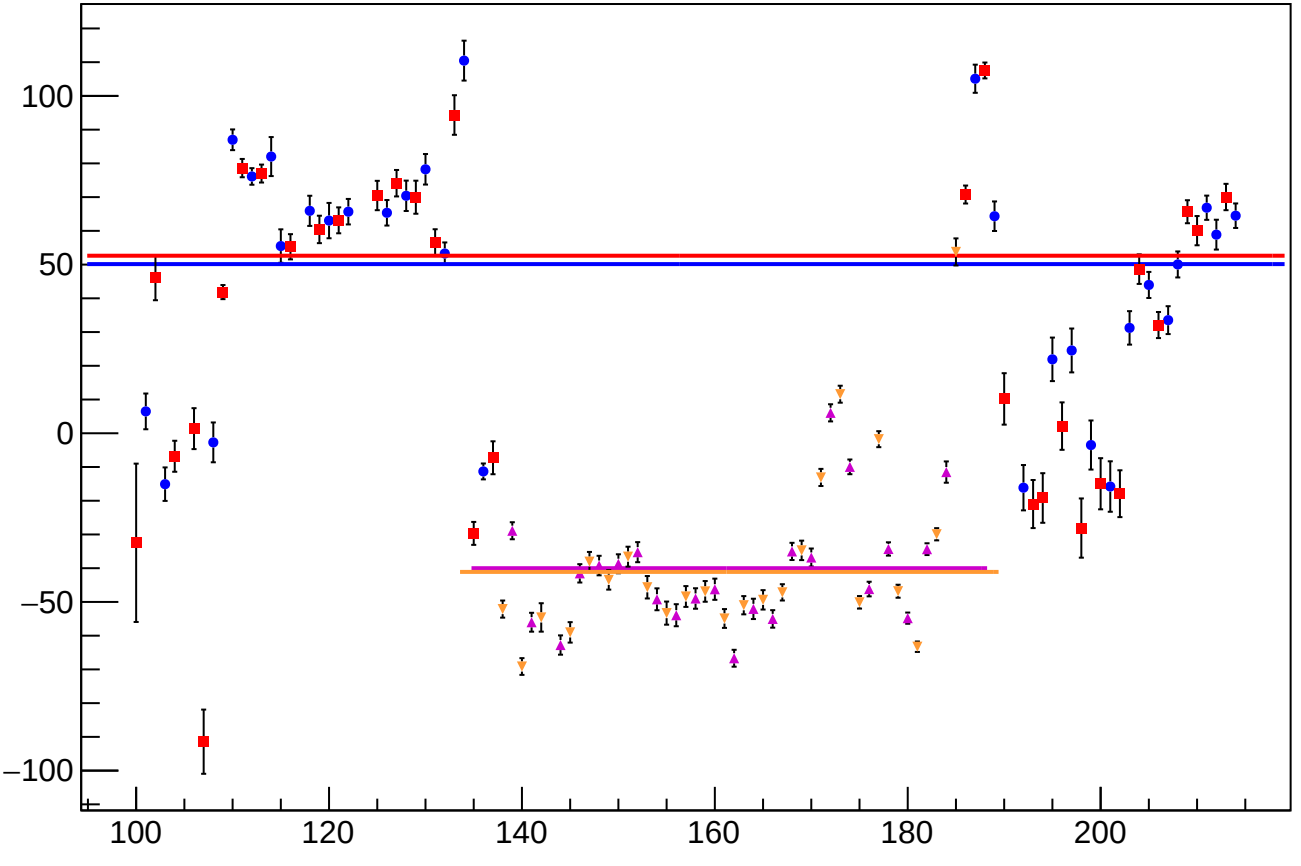
Right: -19.673+/-0.023 χ^2/NDF: 875437.7/61

In: -4.939+/-0.014 χ^2/NDF:691989.6/52

Out: -4.822+/-0.014 χ^2/NDF:766360.1/55

All: -4.880+/-0.010 χ^2/NDF: 1458383.4/108

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

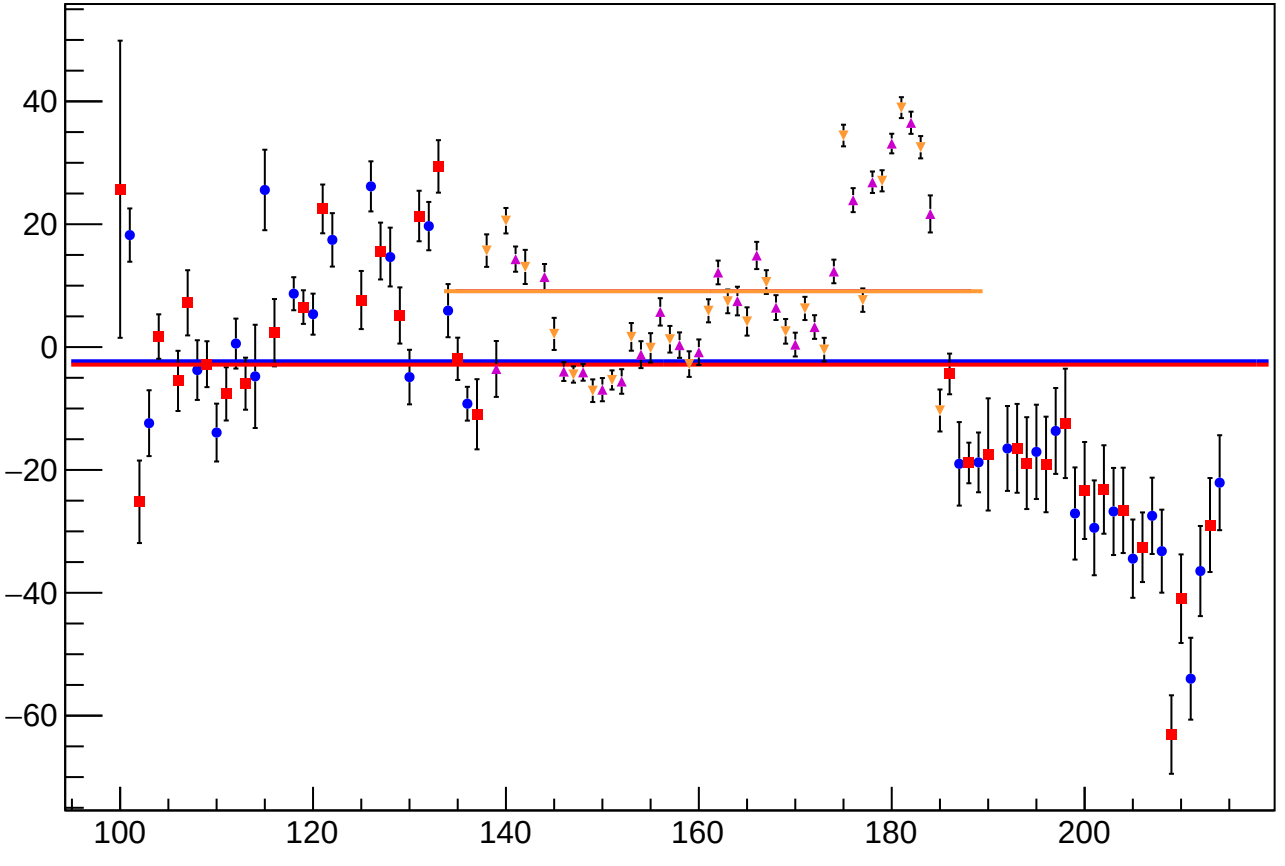
Right: 51.469+/-0.520 χ^2/NDF: 4784.6/61

In: -10.983+/-0.432 χ^2/NDF:12574.1/52

Out: -8.755+/-0.419 χ^2/NDF:16026.3/55

All: -9.835+/-0.301 χ^2/NDF: 28614.2/108

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

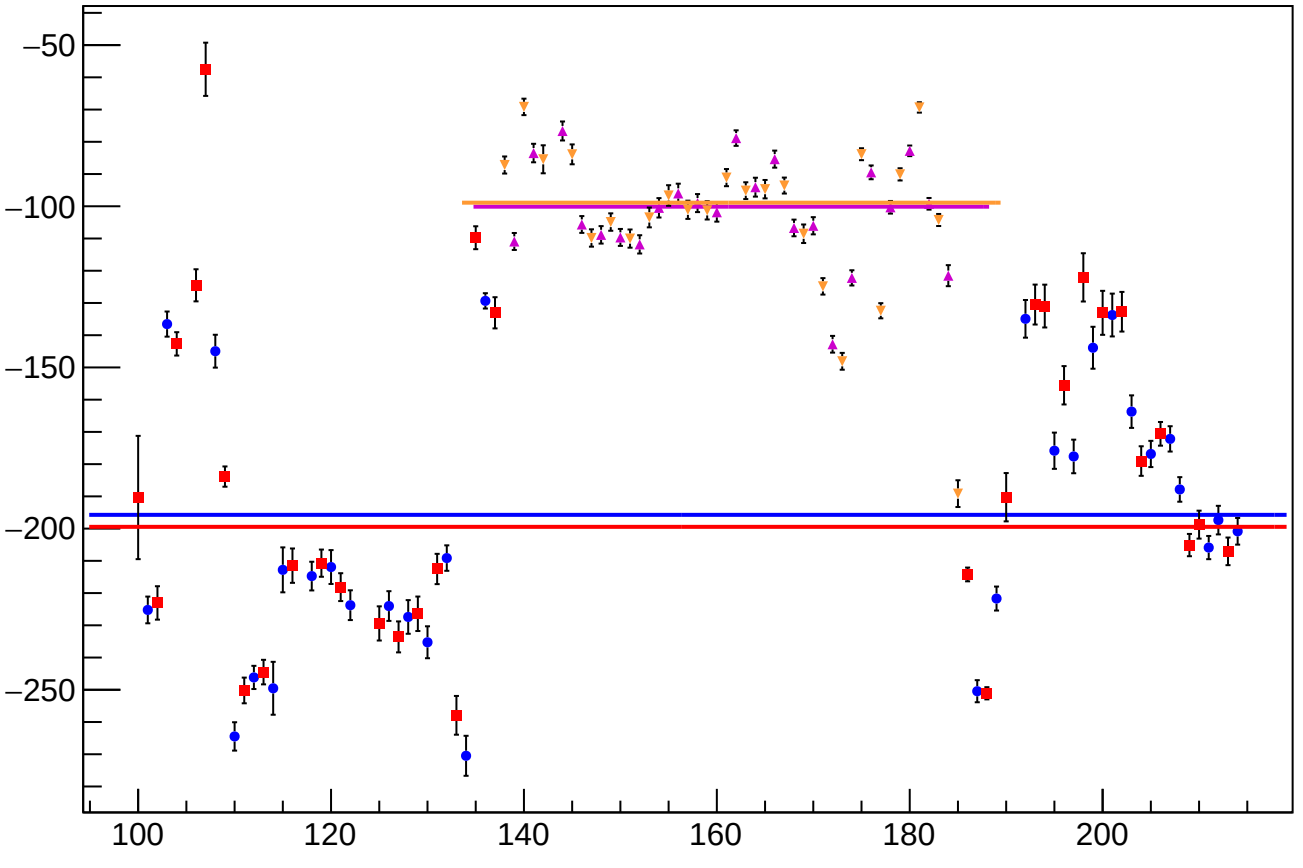
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: -2.593+/-0.617 χ^2/NDF: 823.6/61

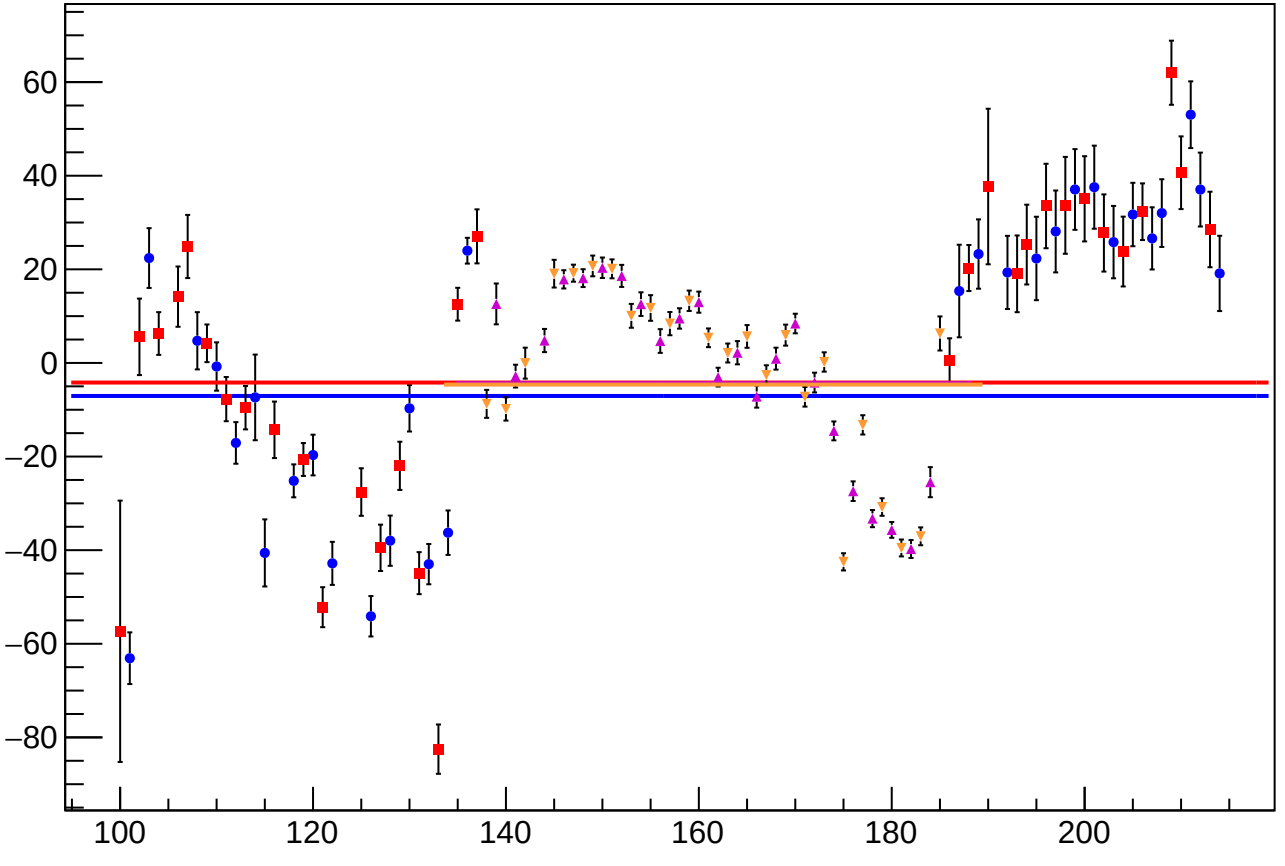
In: 7.124+/-0.372 χ^2/NDF:1598.8/52

Out: 6.940+/-0.363 χ^2/NDF:1826.4/55

All: 7.030+/-0.260 χ^2/NDF: 3425.4/108


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -195.731+/-0.797 χ²/NDF: 2708.2/29
Left Out: -98.883+/-0.514 χ²/NDF:1824.5/23
Right Out: -199.452+/-0.739 χ²/NDF: 3663.8/31
Left In: -100.127+/-0.520 χ²/NDF:823.2/22
Left: -99.498+/-0.366 χ²/NDF: 2650.6/46
Right: -197.731+/-0.542 χ²/NDF: 6383.7/61
In: -128.665+/-0.436 χ²/NDF:13618.2/52
Out: -131.656+/-0.422 χ²/NDF:17956.8/55
All: -130.207+/-0.303 χ²/NDF: 31599.4/108

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

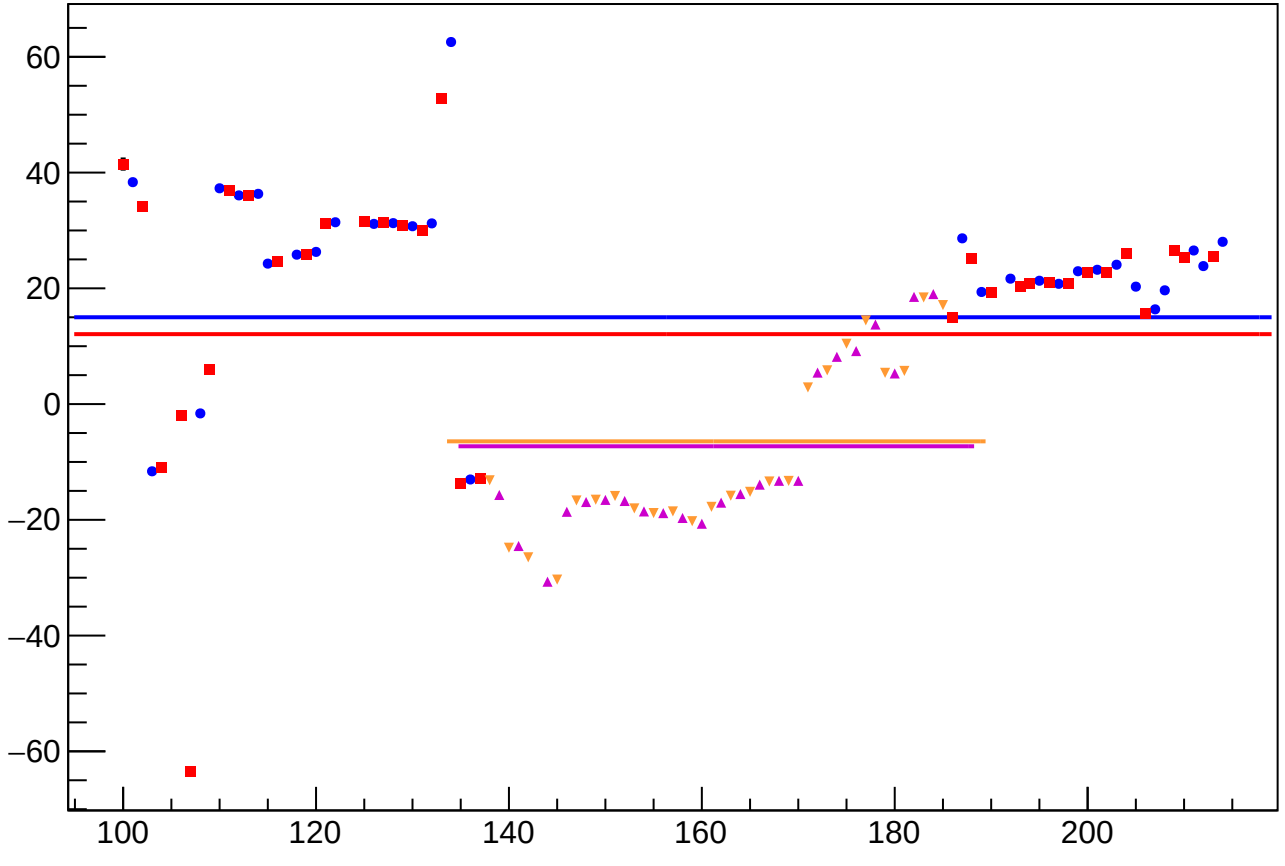
Right: -5.598+/-0.711 χ^2/NDF: 1916.6/61

In: -4.791+/-0.418 χ^2/NDF:2829.2/52

Out: -4.545+/-0.411 χ^2/NDF:3021.9/55

All: -4.666+/-0.293 χ^2/NDF: 5851.3/108

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

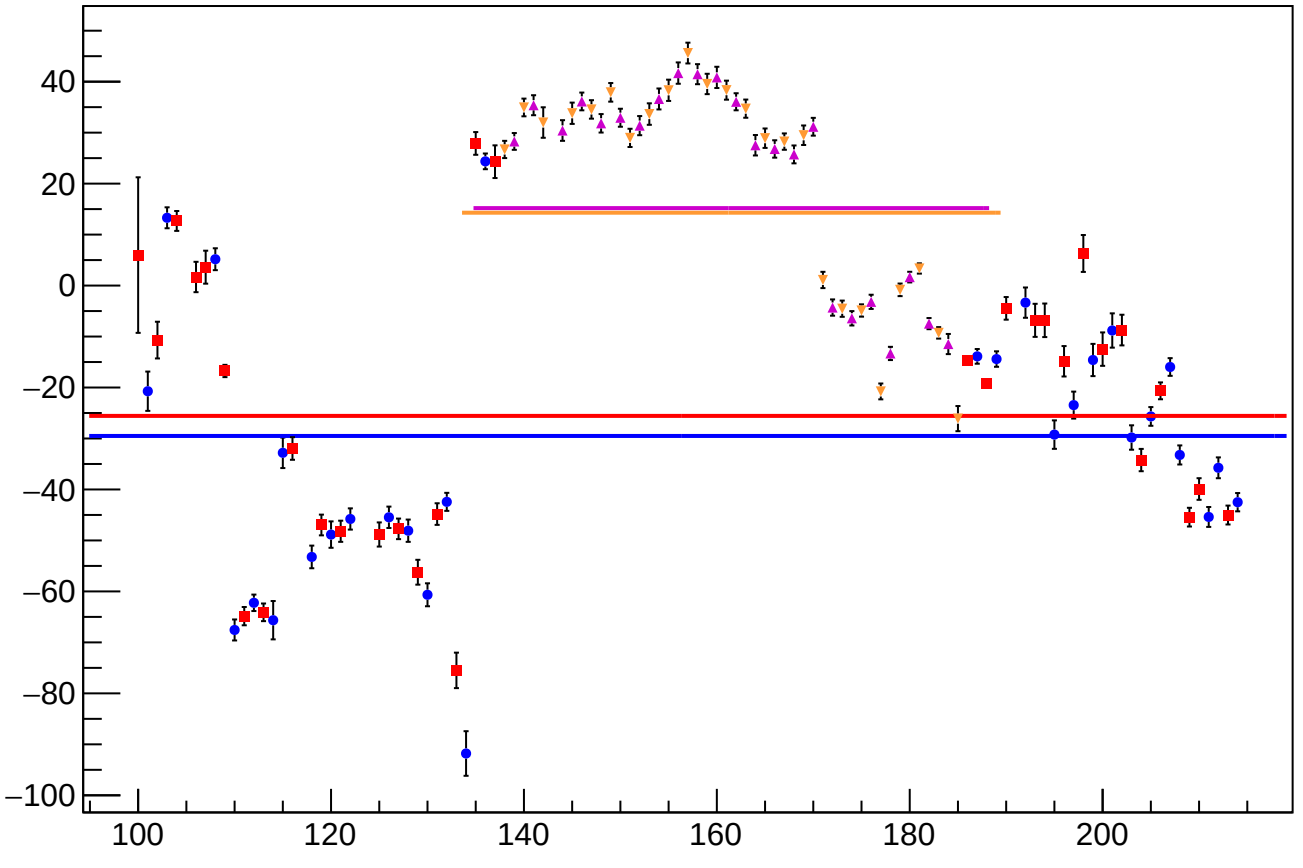
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

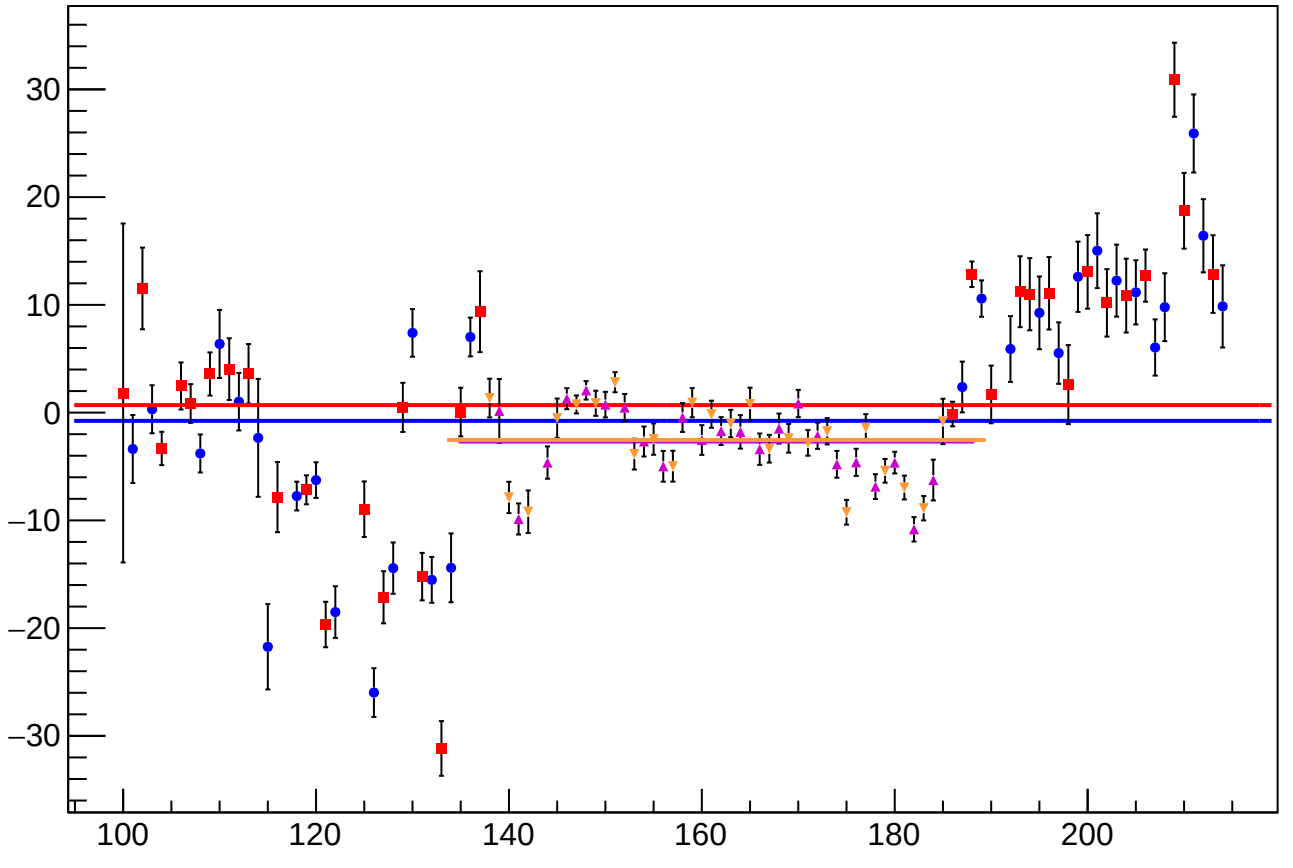
Right: 13.538+/-0.035 χ^2/NDF: 362788.1/61

In: -4.063+/-0.019 χ^2/NDF:841272.5/52

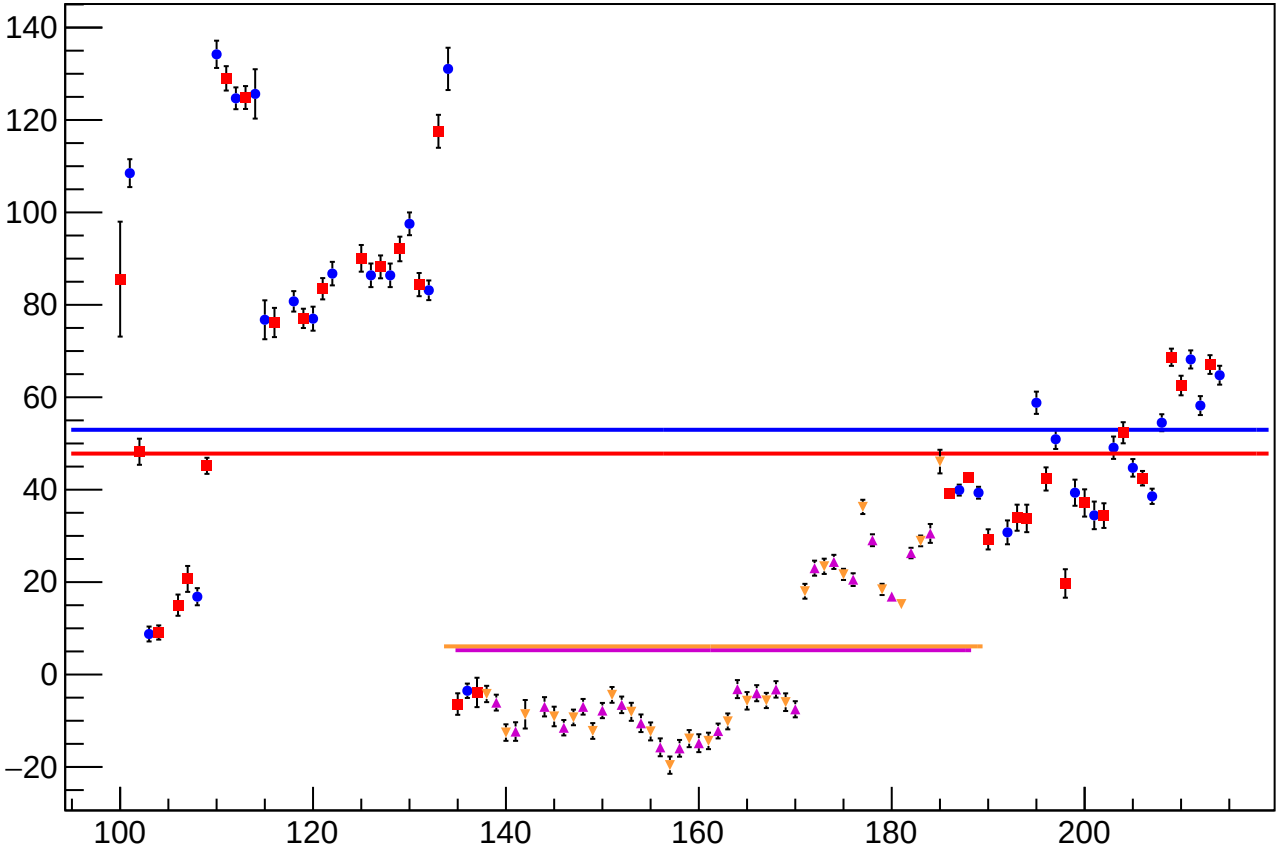
Out: -3.761+/-0.019 χ^2/NDF:800990.7/55

All: -3.911+/-0.013 χ^2/NDF: 1642393.6/108


reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -29.502+/-0.386 χ²/NDF: 4133.2/29
Left Out: 14.295+/-0.335 χ²/NDF:3726.3/23
Right Out: -25.567+/-0.344 χ²/NDF: 4101.6/31
Left In: 15.194+/-0.339 χ²/NDF:3406.6/22
Left: 14.739+/-0.239 χ²/NDF: 7136.5/46
Right: -27.308+/-0.257 χ²/NDF: 8292.8/61
In: -4.311+/-0.255 χ²/NDF:15107.4/52
Out: -5.138+/-0.240 χ²/NDF:14722.3/55
All: -4.750+/-0.175 χ²/NDF: 29835.2/108


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
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
Left: -2.608+/-0.185 χ²/NDF: 380.6/46
Right: 0.046+/-0.300 χ²/NDF: 1375.7/61
In: -2.185+/-0.228 χ²/NDF:821.7/52
Out: -1.590+/-0.218 χ²/NDF:987.7/55
All: -1.874+/-0.157 χ²/NDF: 1813.0/108

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

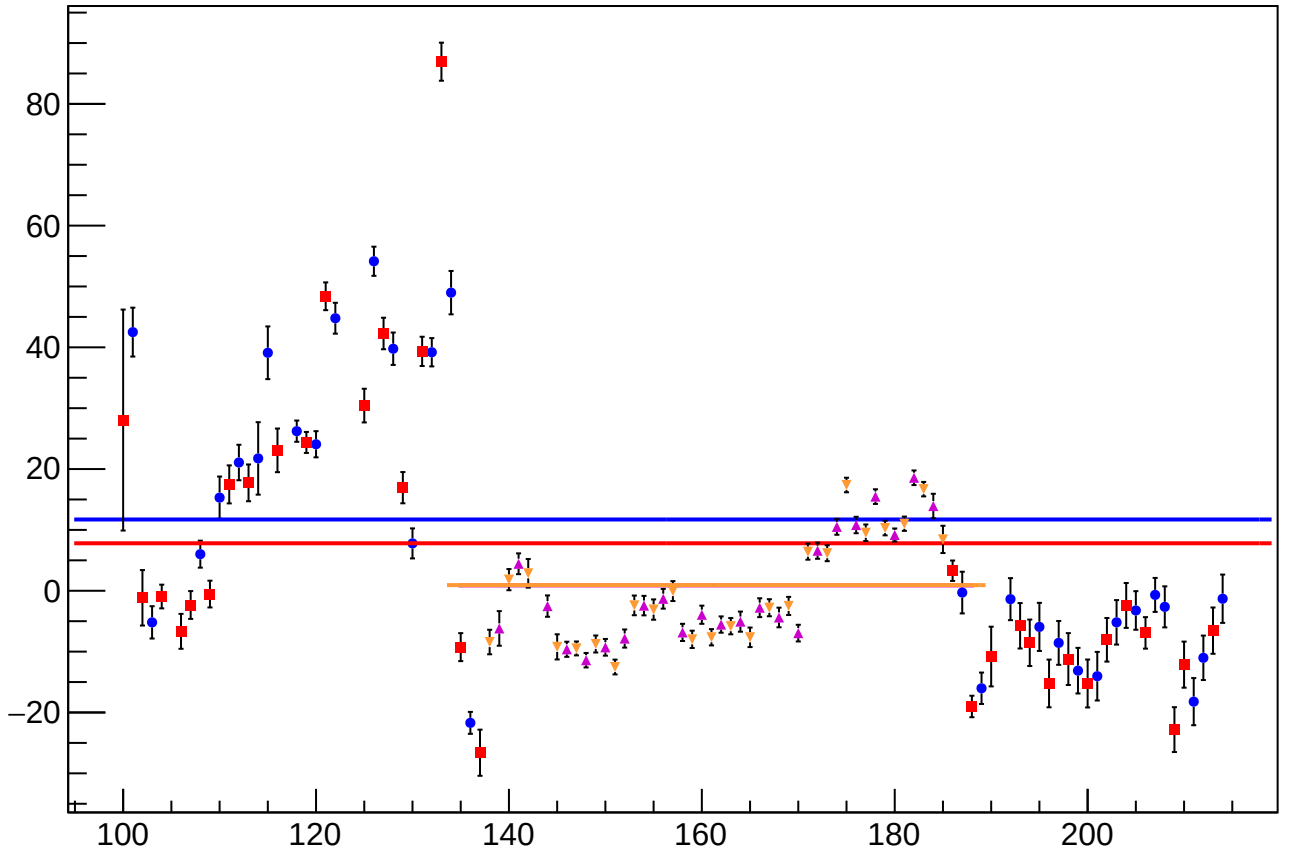
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 49.993+/-0.250 χ^2/NDF: 13191.9/61

In: 25.991+/-0.253 χ^2/NDF:18019.3/52

Out: 27.194+/-0.234 χ^2/NDF:16964.3/55

All: 26.640+/-0.172 χ^2/NDF: 34995.8/108



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

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

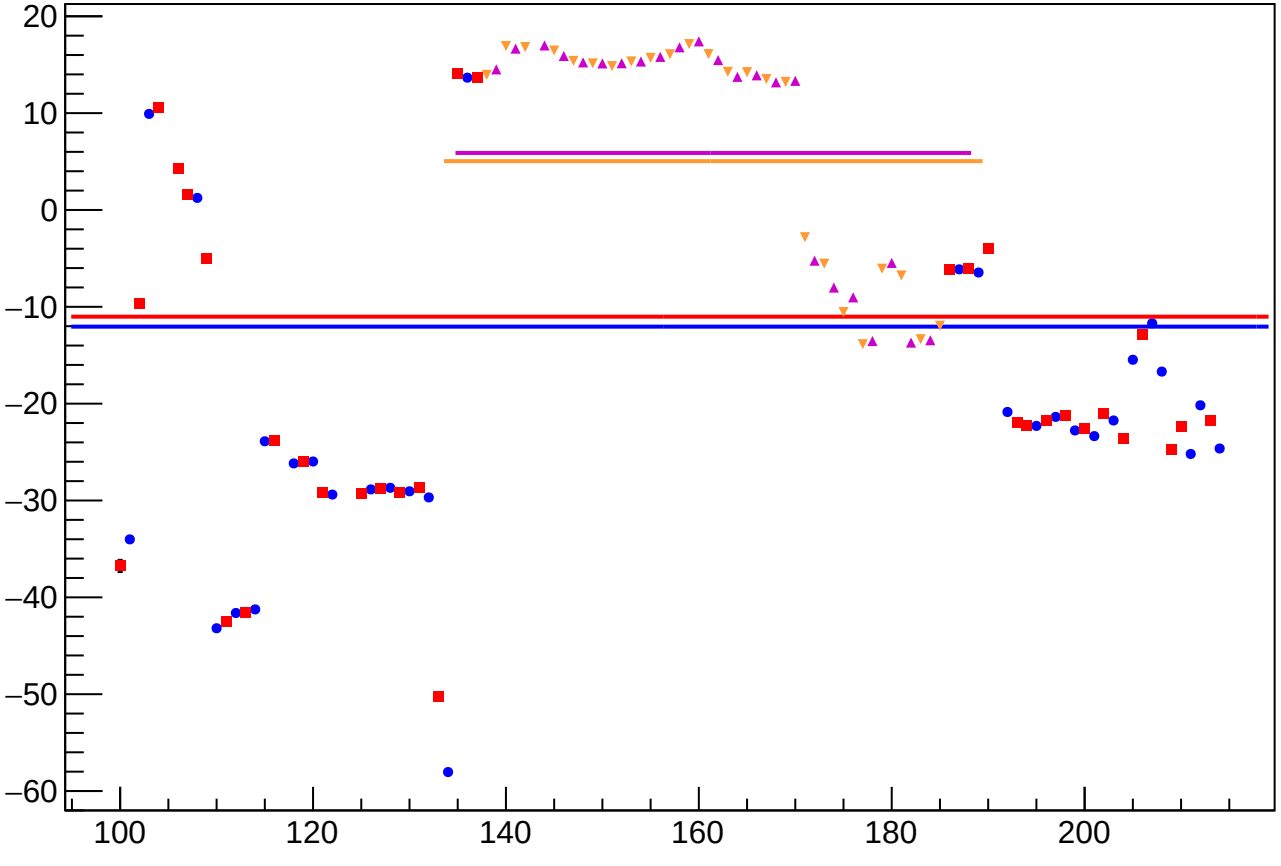
Right: 9.622+/-0.358 χ^2/NDF: 4234.5/61

In: 3.509+/-0.259 χ^2/NDF:3251.5/52

Out: 2.731+/-0.251 χ^2/NDF:3469.2/55

All: 3.108+/-0.180 χ^2/NDF: 6725.3/108

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

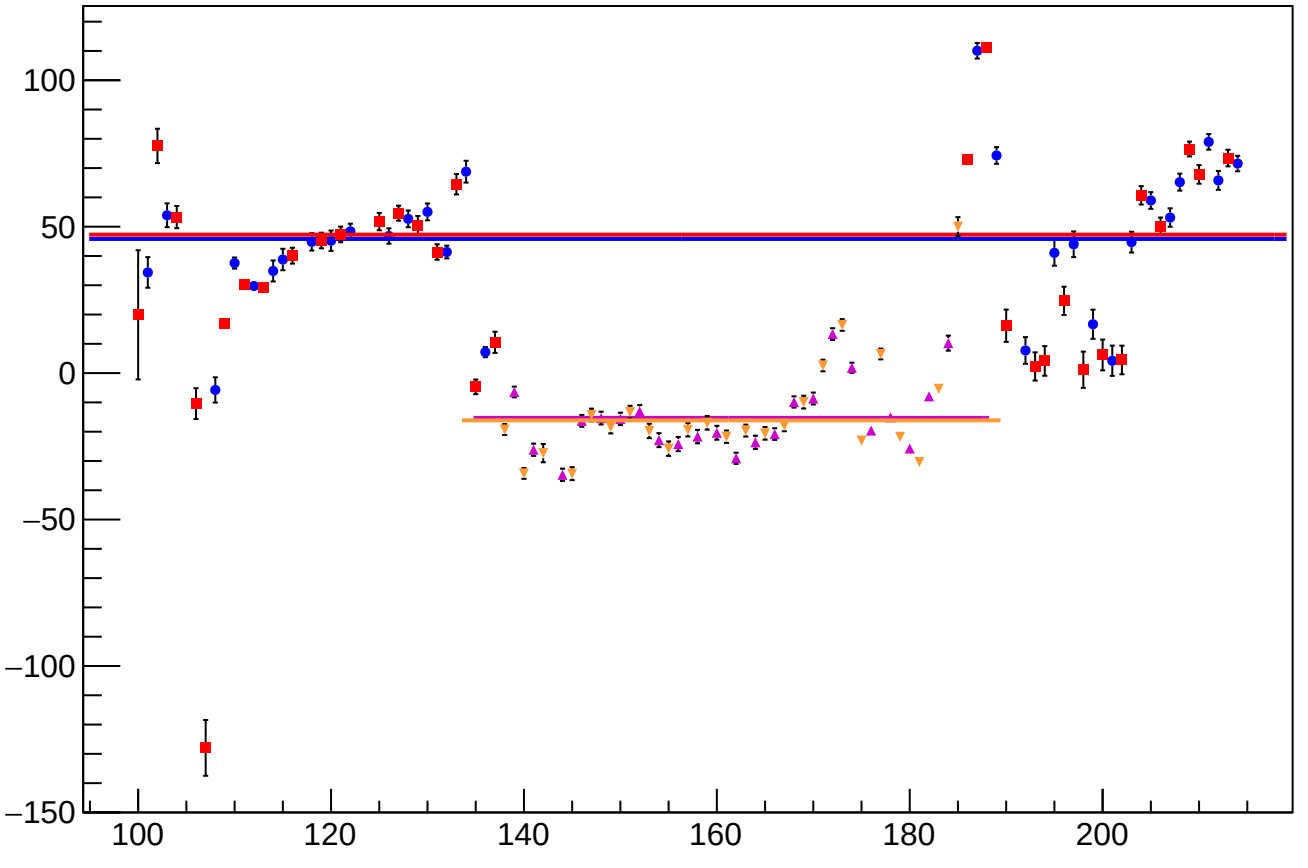
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -11.519+/-0.017 χ^2/NDF: 924188.3/61

In: 1.774+/-0.012 χ^2/NDF:1774171.6/52

Out: 1.257+/-0.011 χ^2/NDF:1633972.5/55

All: 1.512+/-0.008 χ^2/NDF: 3409158.0/108



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

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

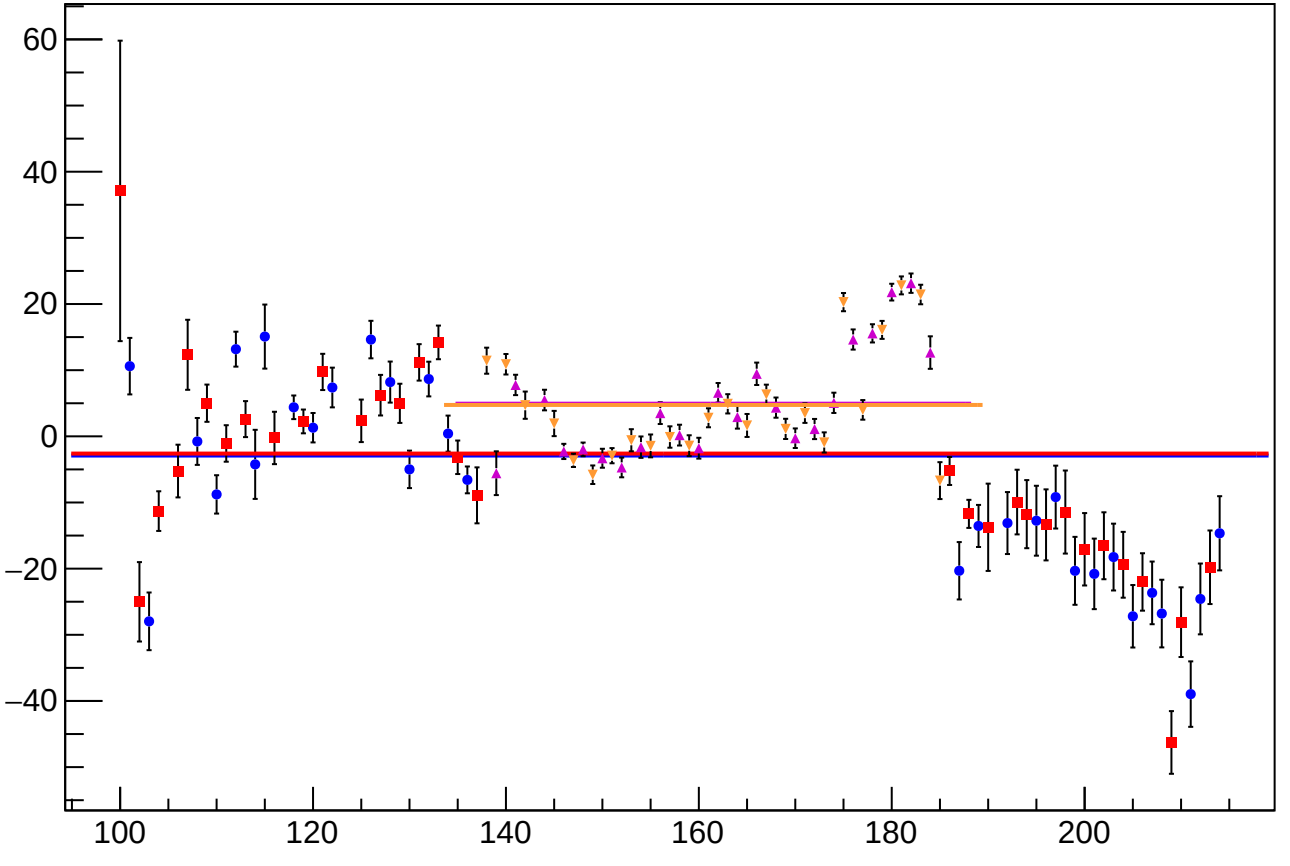
Right: 46.593+/-0.359 χ^2/NDF: 6436.5/61

In: 7.332+/-0.320 χ^2/NDF:11316.4/52

Out: 9.008+/-0.309 χ^2/NDF:15814.2/55

All: 8.199+/-0.222 χ^2/NDF: 27144.8/108

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

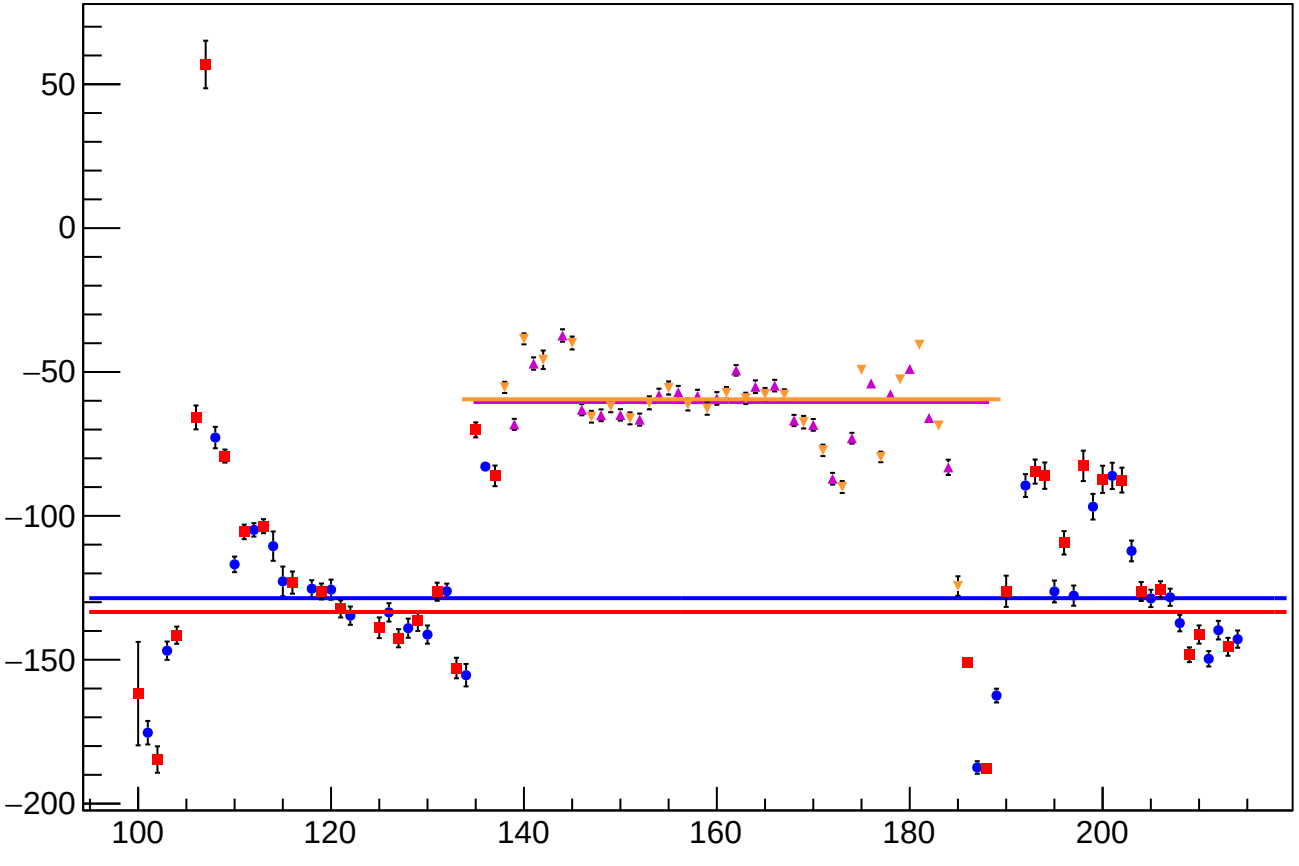
Right: -2.749+/-0.426 χ^2/NDF: 776.6/61

In: 3.316+/-0.279 χ^2/NDF:1234.9/52

Out: 3.196+/-0.272 χ^2/NDF:1274.4/55

All: 3.254+/-0.195 χ^2/NDF: 2509.4/108

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

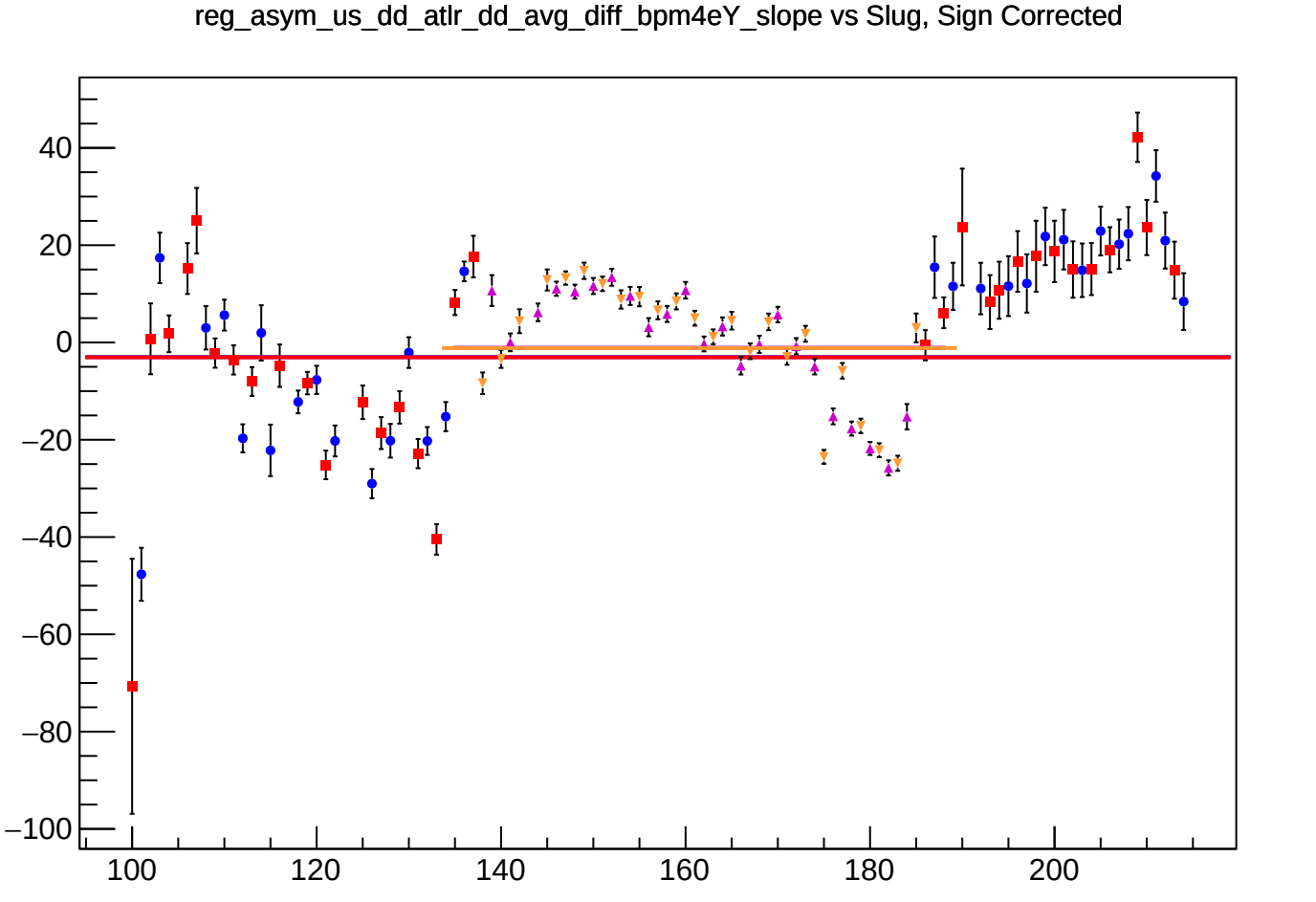
Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

Right: -131.223+/-0.377 χ^2/NDF: 7996.1/61

In: -83.513+/-0.325 χ^2/NDF:13095.5/52

Out: -87.166+/-0.312 χ^2/NDF:19881.2/55

All: -85.412+/-0.225 χ^2/NDF: 33042.5/108



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

Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

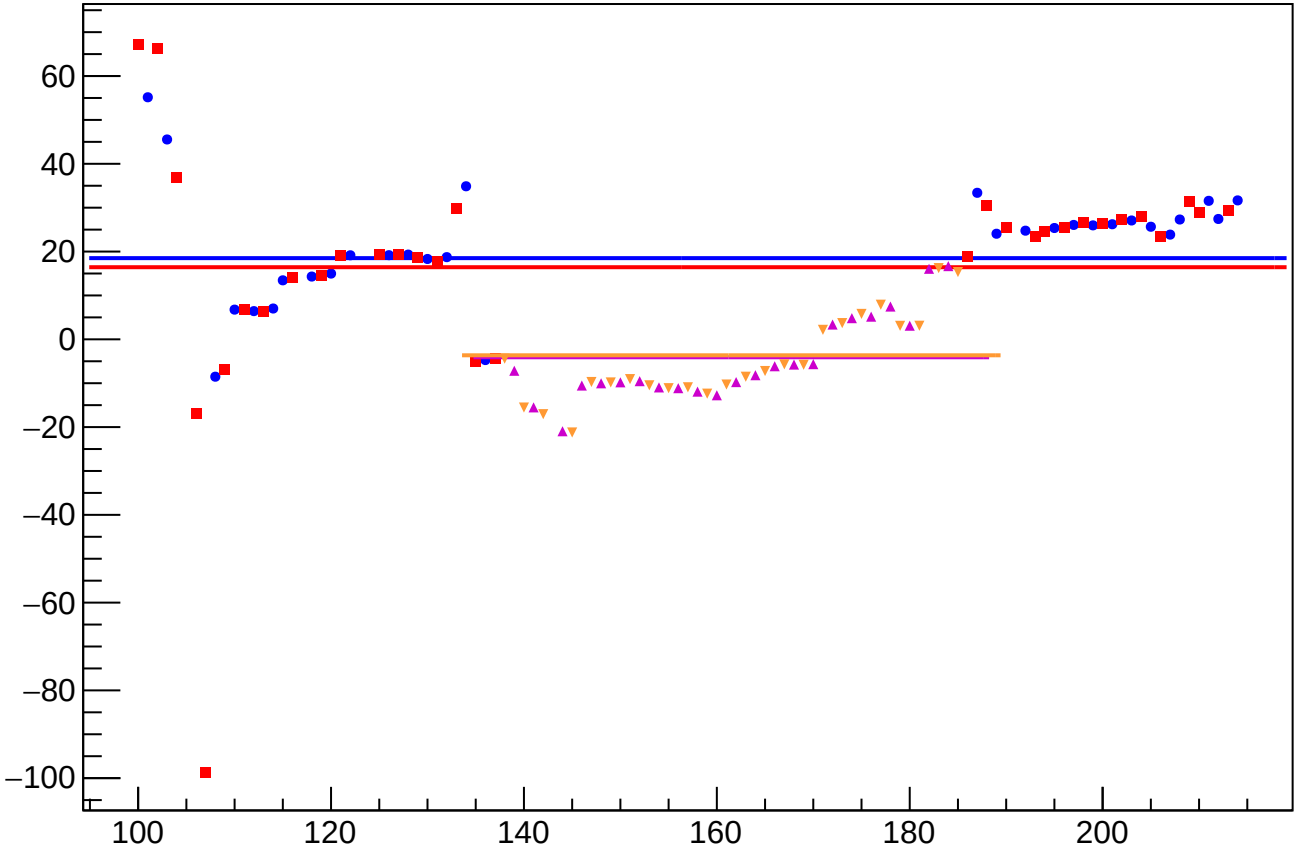
Right: -3.027+/-0.493 χ^2/NDF: 1214.3/61

In: -1.469+/-0.314 χ^2/NDF:1798.7/52

Out: -1.522+/-0.309 χ^2/NDF:1888.0/55

All: -1.496+/-0.221 χ^2/NDF: 3686.7/108

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

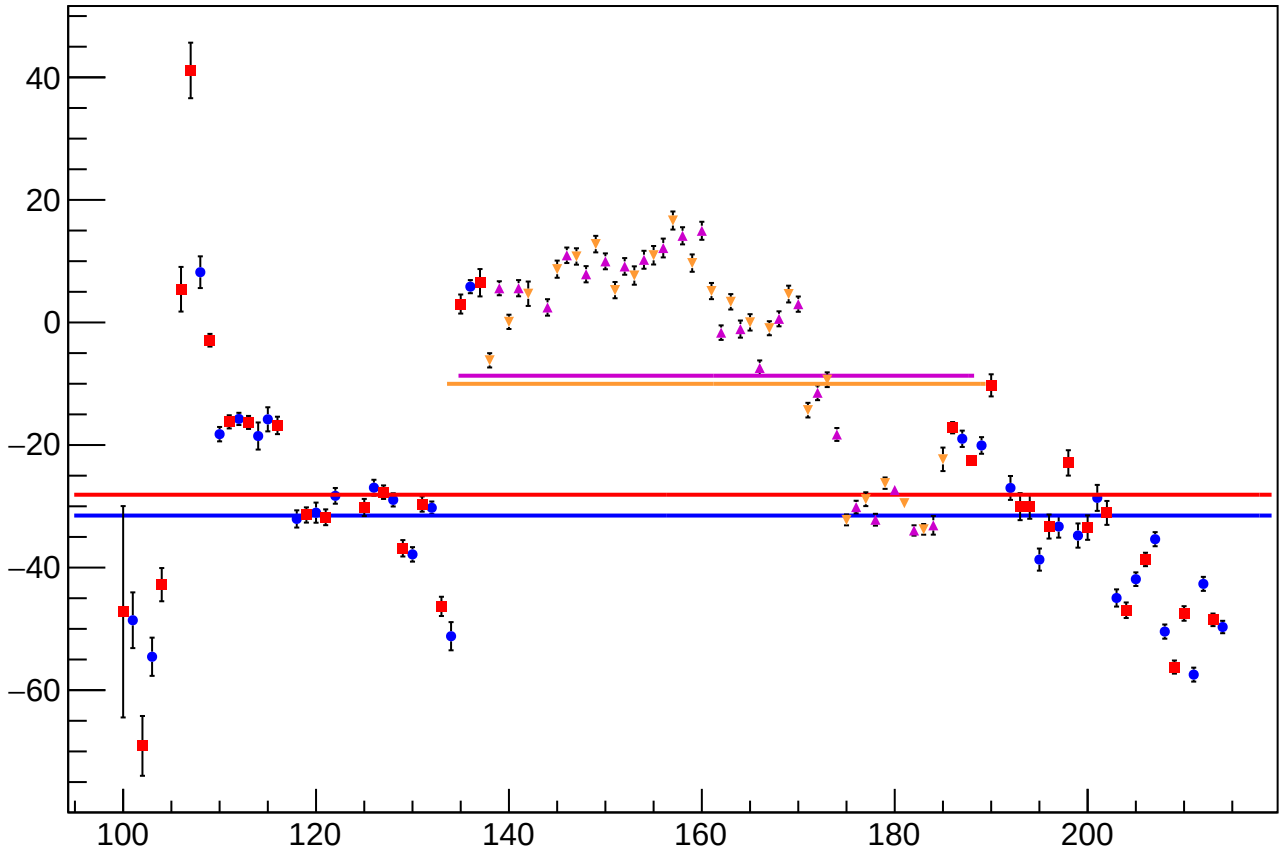
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 17.480+/-0.025 χ^2/NDF: 571152.8/61

In: -0.426+/-0.014 χ^2/NDF:894109.3/52

Out: -0.467+/-0.014 χ^2/NDF:964520.1/55

All: -0.446+/-0.010 χ^2/NDF: 1858633.5/108



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

Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

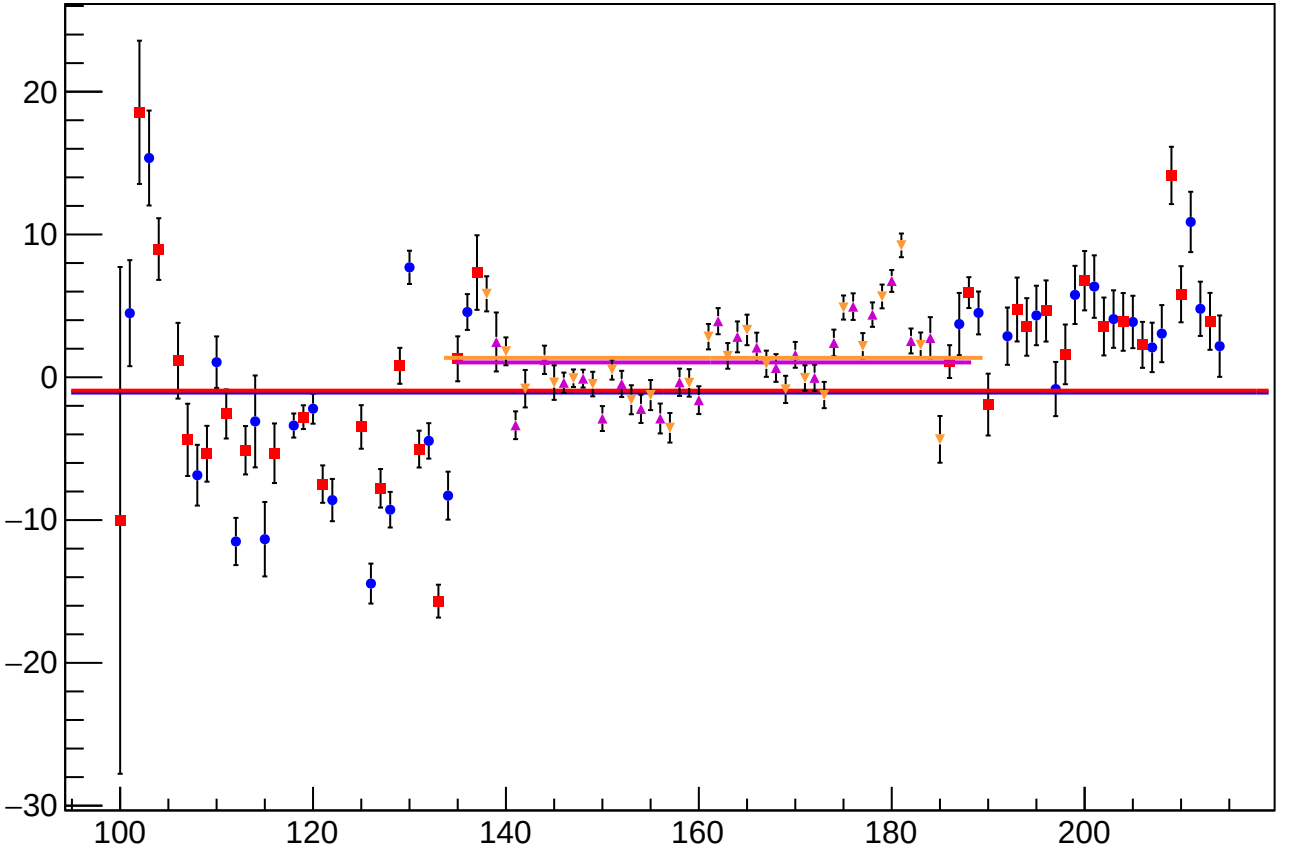
Right: -29.759+/-0.175 χ^2/NDF: 7933.3/61

In: -19.967+/-0.176 χ^2/NDF:12917.1/52

Out: -19.104+/-0.172 χ^2/NDF:11872.7/55

All: -19.526+/-0.123 χ^2/NDF: 24802.0/108

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

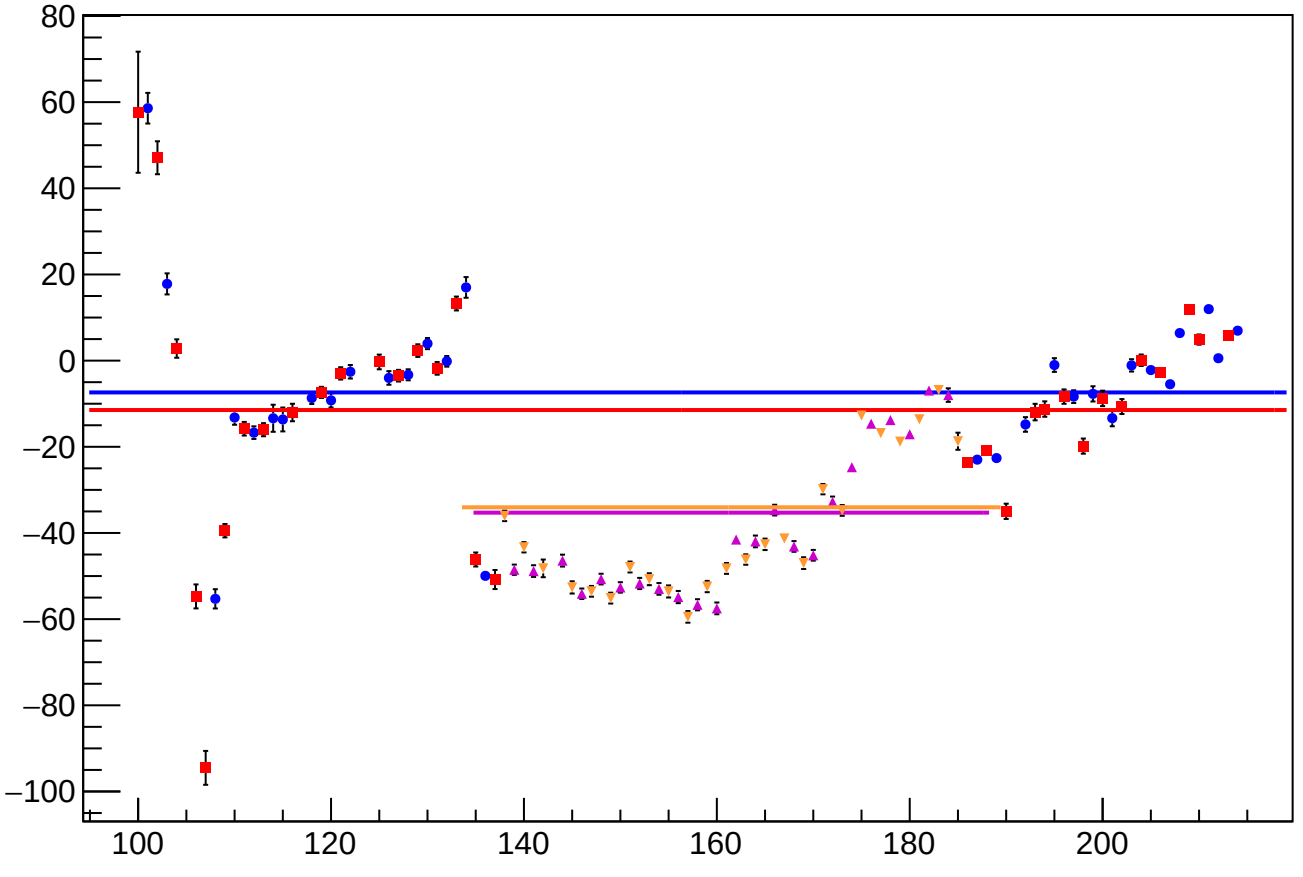
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -1.002+/-0.208 χ^2/NDF: 947.9/61

In: 0.418+/-0.162 χ^2/NDF:711.9/52

Out: 0.680+/-0.158 χ^2/NDF:751.9/55

All: 0.552+/-0.113 χ^2/NDF: 1465.2/108



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

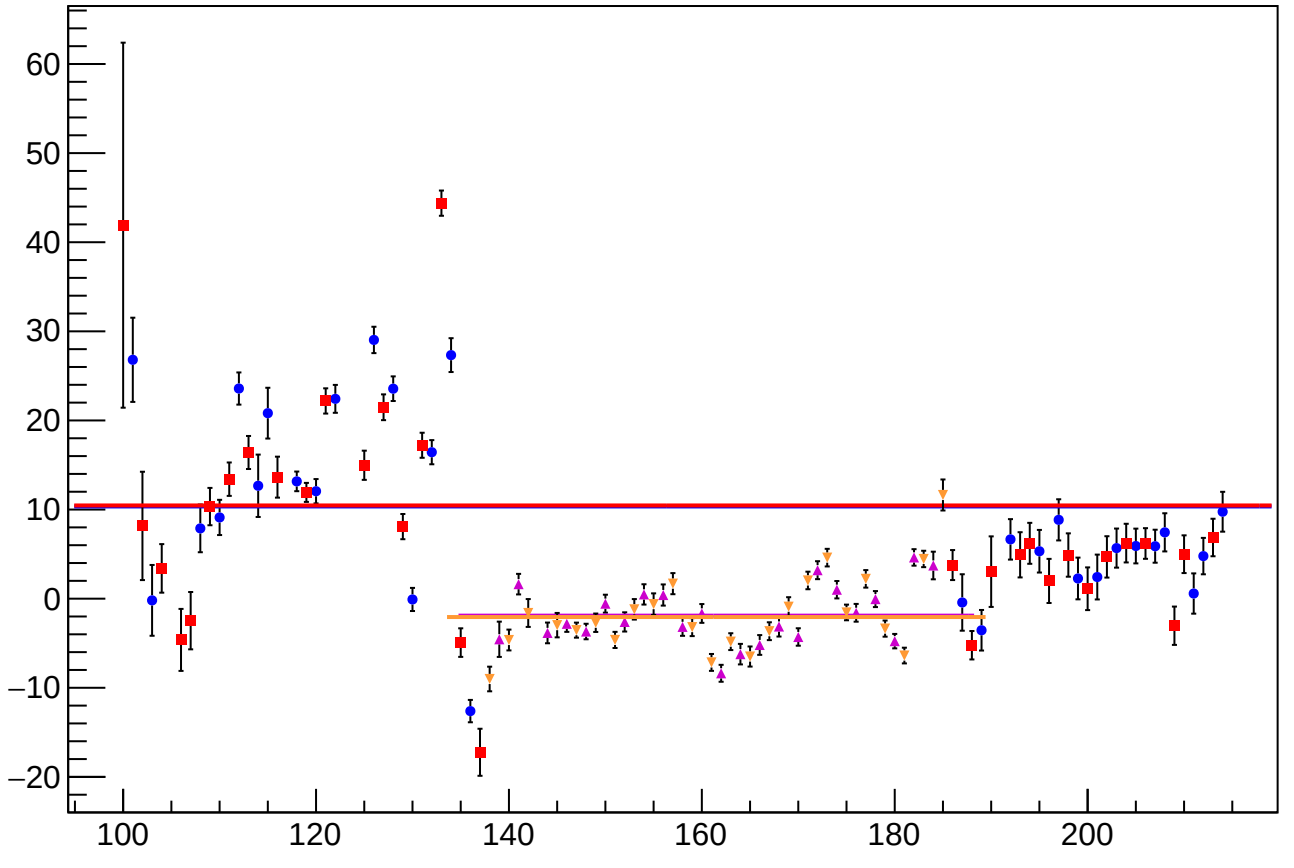
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

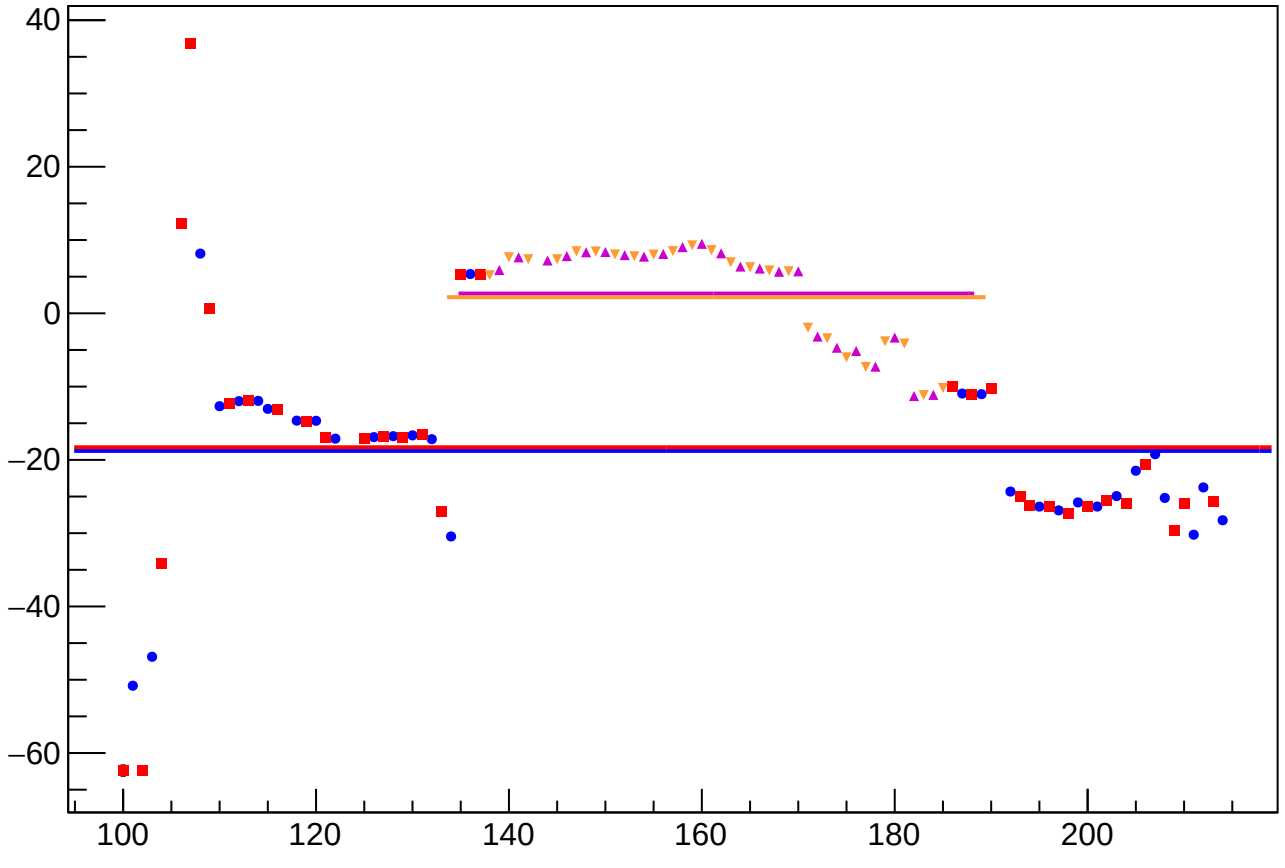
Right: -9.542+/-0.180 χ^2/NDF: 8317.3/61

In: -22.253+/-0.179 χ^2/NDF:14889.9/52

Out: -22.972+/-0.173 χ^2/NDF:13545.3/55

All: -22.625+/-0.125 χ^2/NDF: 28443.6/108


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
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
Left: -1.985+/-0.151 χ²/NDF: 554.7/46
Right: 10.405+/-0.241 χ²/NDF: 2247.0/61
In: 1.614+/-0.183 χ²/NDF:2172.7/52
Out: 1.453+/-0.180 χ²/NDF:2528.6/55
All: 1.532+/-0.128 χ²/NDF: 4701.7/108



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

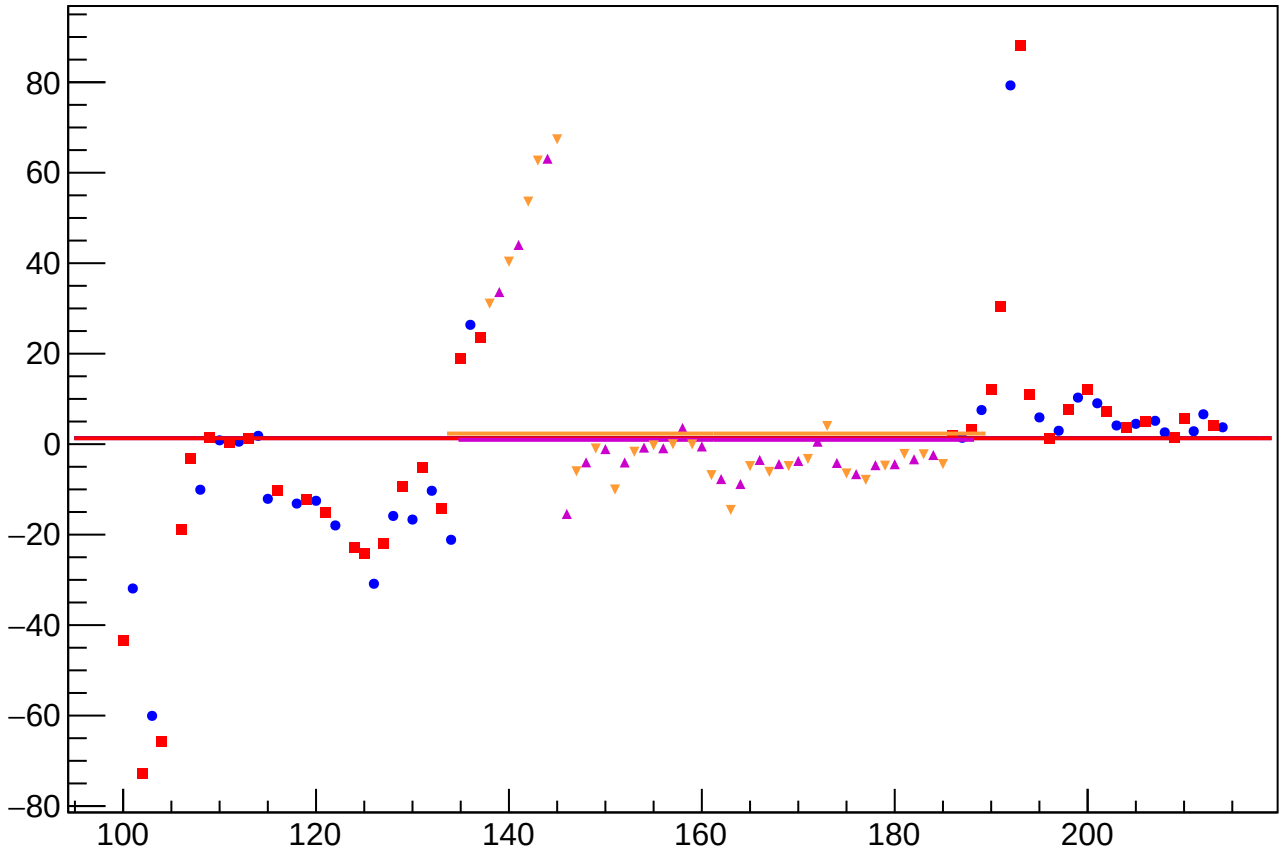
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -18.527+/-0.012 χ^2/NDF: 1137823.3/61

In: -2.454+/-0.008 χ^2/NDF:2237791.2/52

Out: -2.656+/-0.008 χ^2/NDF:2220488.9/55

All: -2.555+/-0.006 χ^2/NDF: 4458575.1/108



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

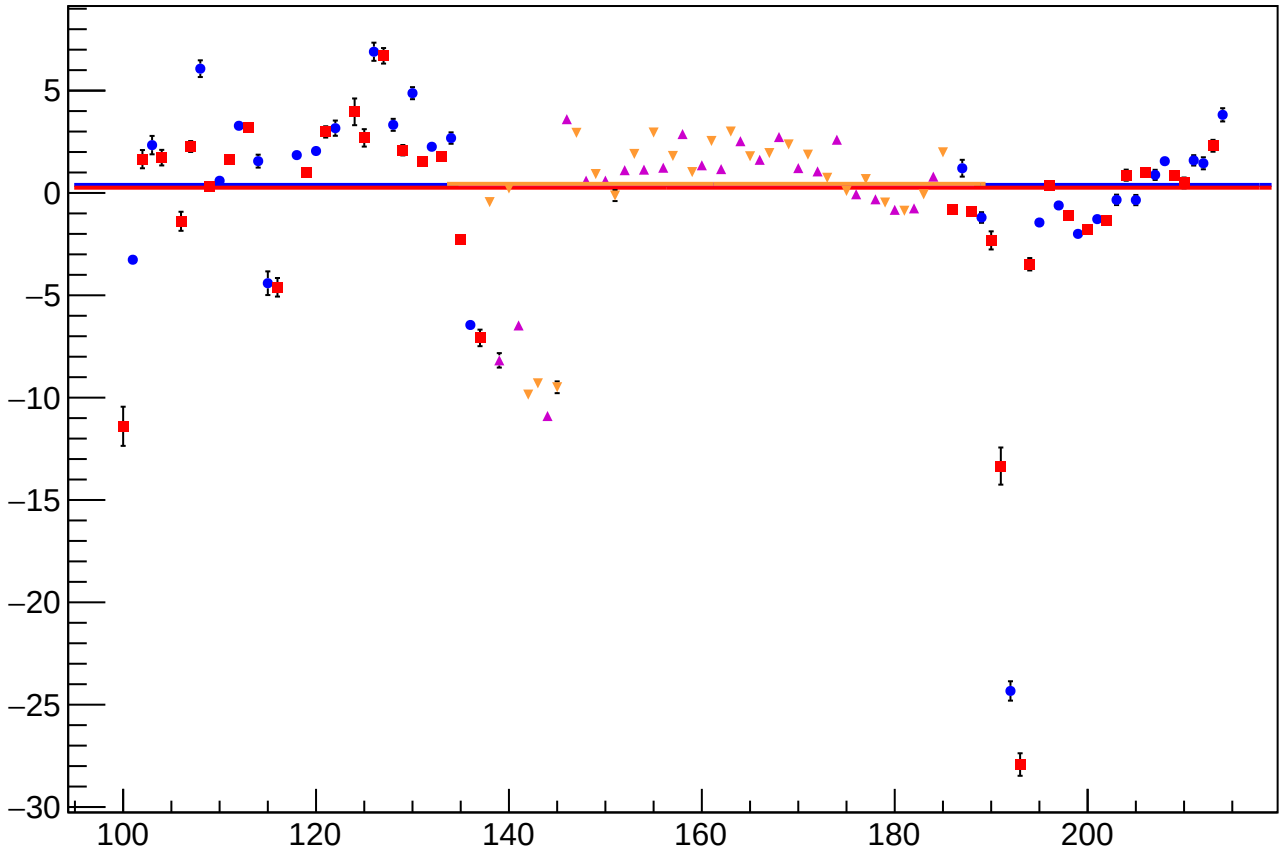
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 1.319+/-0.024 χ^2/NDF: 242838.7/63

In: 1.167+/-0.027 χ^2/NDF:253586.6/52

Out: 1.717+/-0.025 χ^2/NDF:299207.2/58

All: 1.456+/-0.018 χ^2/NDF: 553016.4/111



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

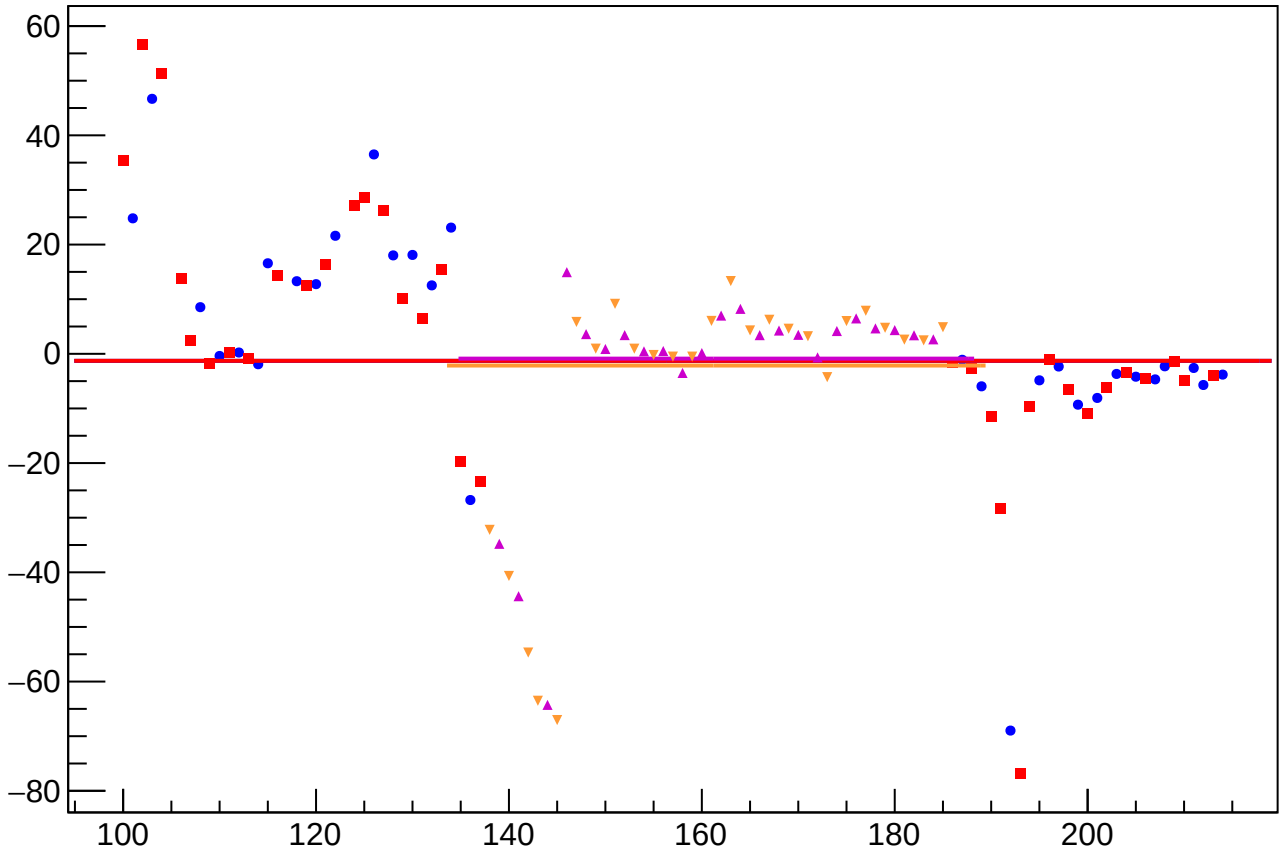
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.322+/-0.031 χ^2/NDF: 11175.2/63

In: 0.416+/-0.026 χ^2/NDF:13121.2/52

Out: 0.376+/-0.026 χ^2/NDF:12208.6/58

All: 0.396+/-0.018 χ^2/NDF: 25330.9/111



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

Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

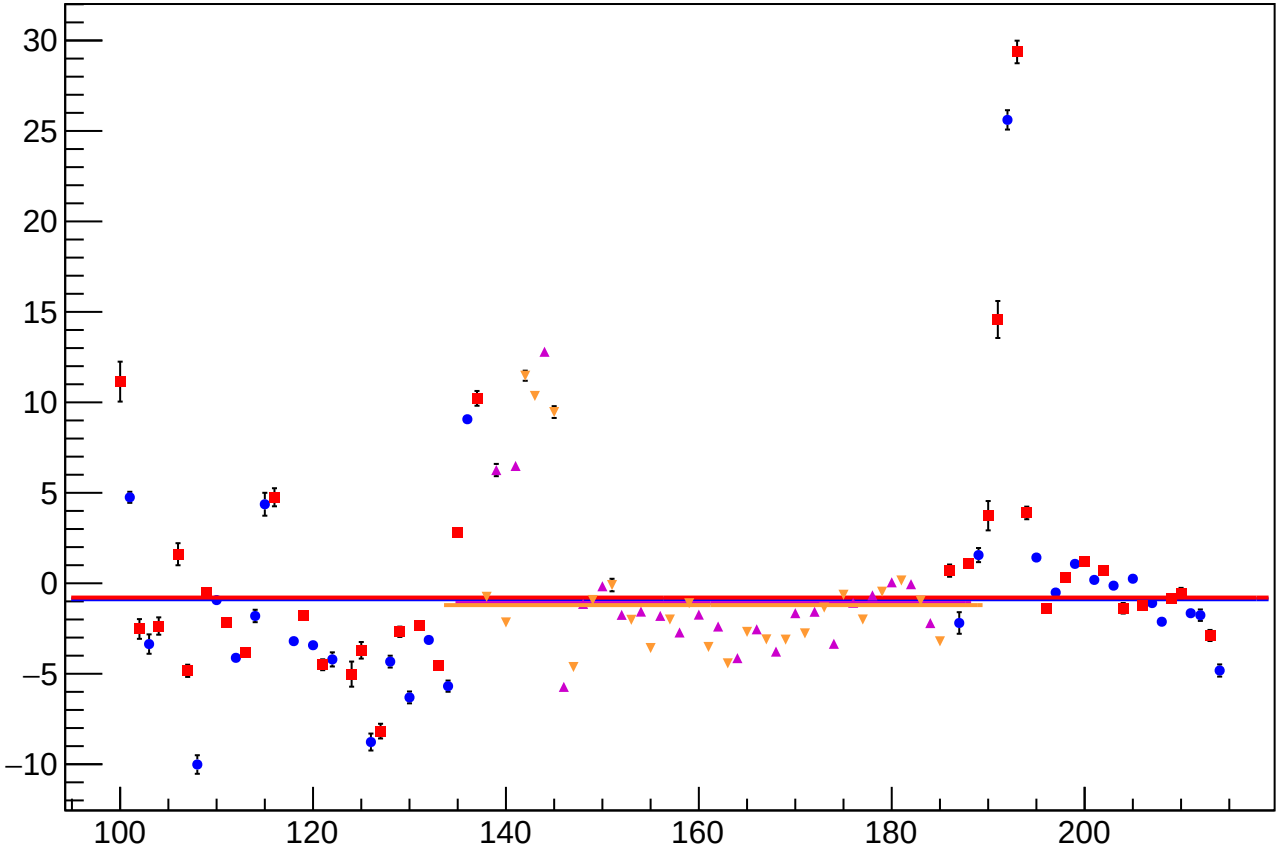
Right: -1.285+/-0.025 χ^2/NDF: 239243.8/63

In: -1.099+/-0.027 χ^2/NDF:248671.6/52

Out: -1.645+/-0.026 χ^2/NDF:291364.2/58

All: -1.380+/-0.019 χ^2/NDF: 540246.7/111

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



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

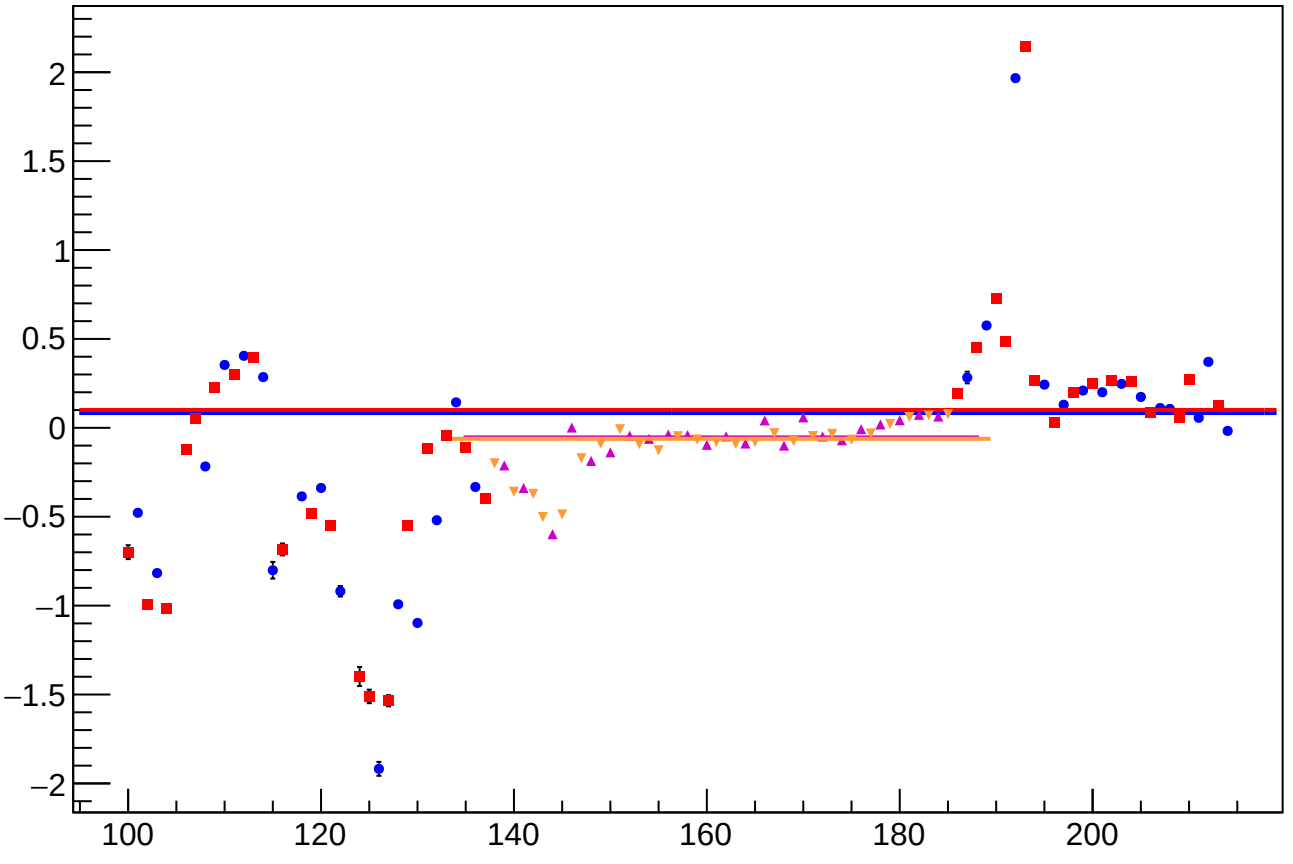
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.833+/-0.036 χ^2/NDF: 13175.4/63

In: -1.027+/-0.029 χ^2/NDF:14554.7/52

Out: -1.059+/-0.029 χ^2/NDF:12709.1/58

All: -1.043+/-0.021 χ^2/NDF: 27264.5/111



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

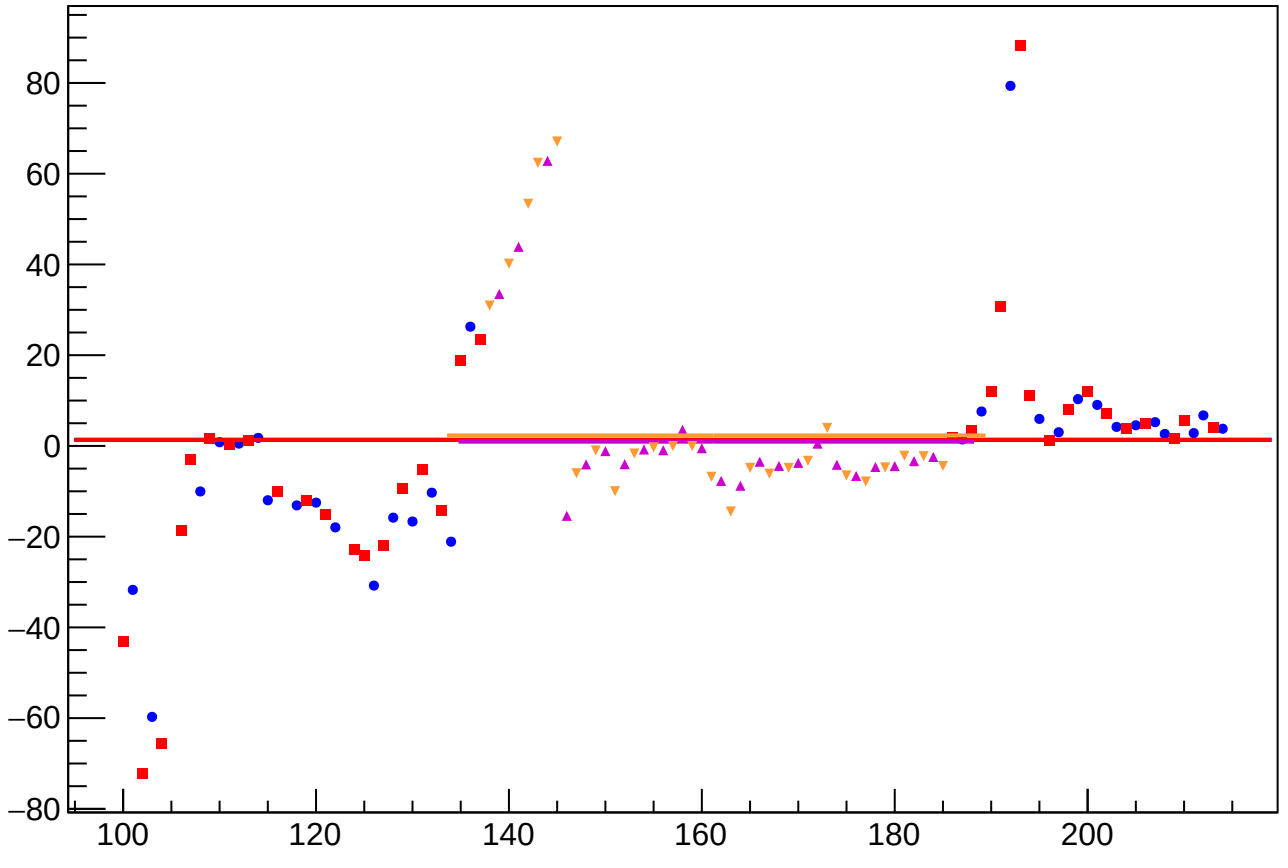
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.092+/-0.002 χ^2/NDF: 69318.6/63

In: -0.013+/-0.001 χ^2/NDF:41985.3/52

Out: -0.008+/-0.001 χ^2/NDF:44031.7/58

All: -0.011+/-0.001 χ^2/NDF: 86025.6/111



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

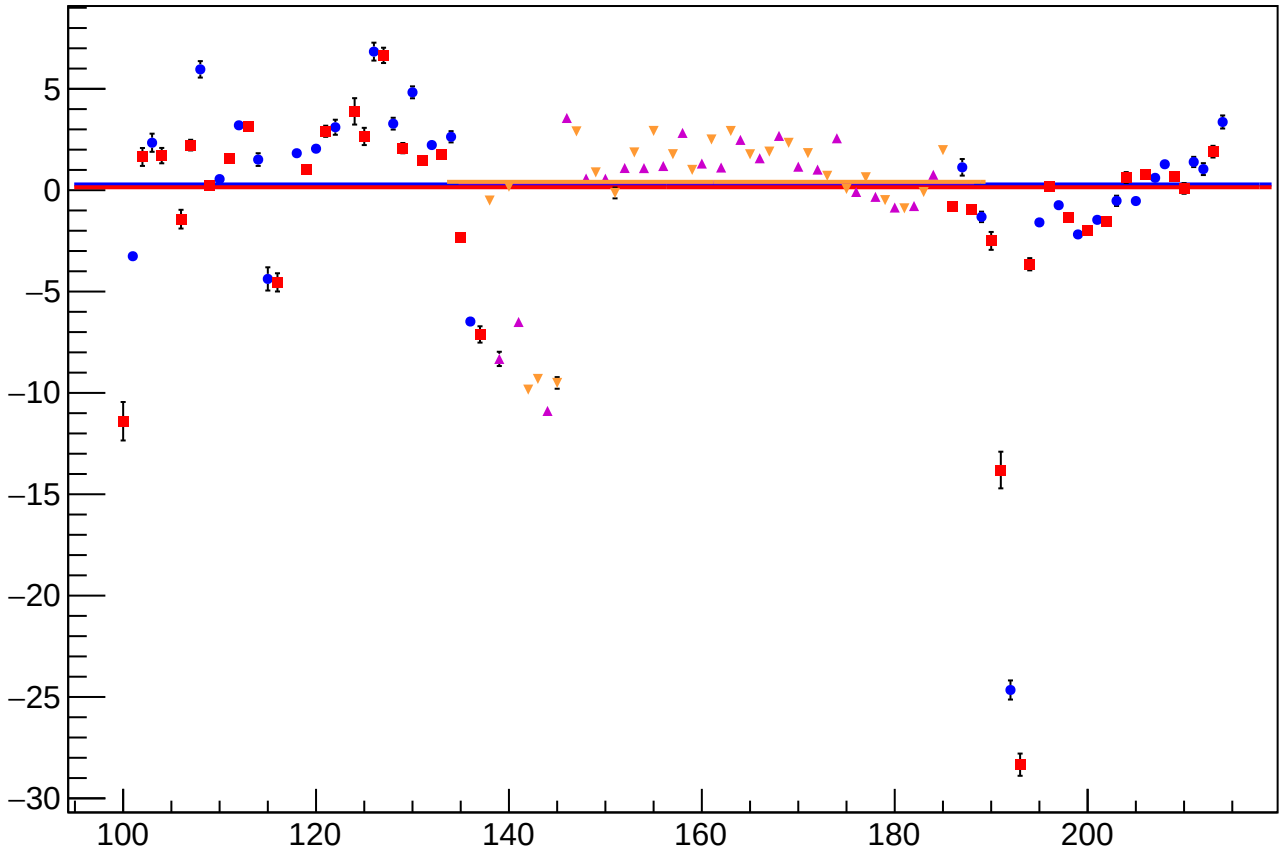
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 1.341+/-0.024 χ^2/NDF: 243987.3/63

In: 1.170+/-0.027 χ^2/NDF:254031.8/52

Out: 1.720+/-0.025 χ^2/NDF:299537.2/58

All: 1.459+/-0.018 χ^2/NDF: 553794.3/111



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

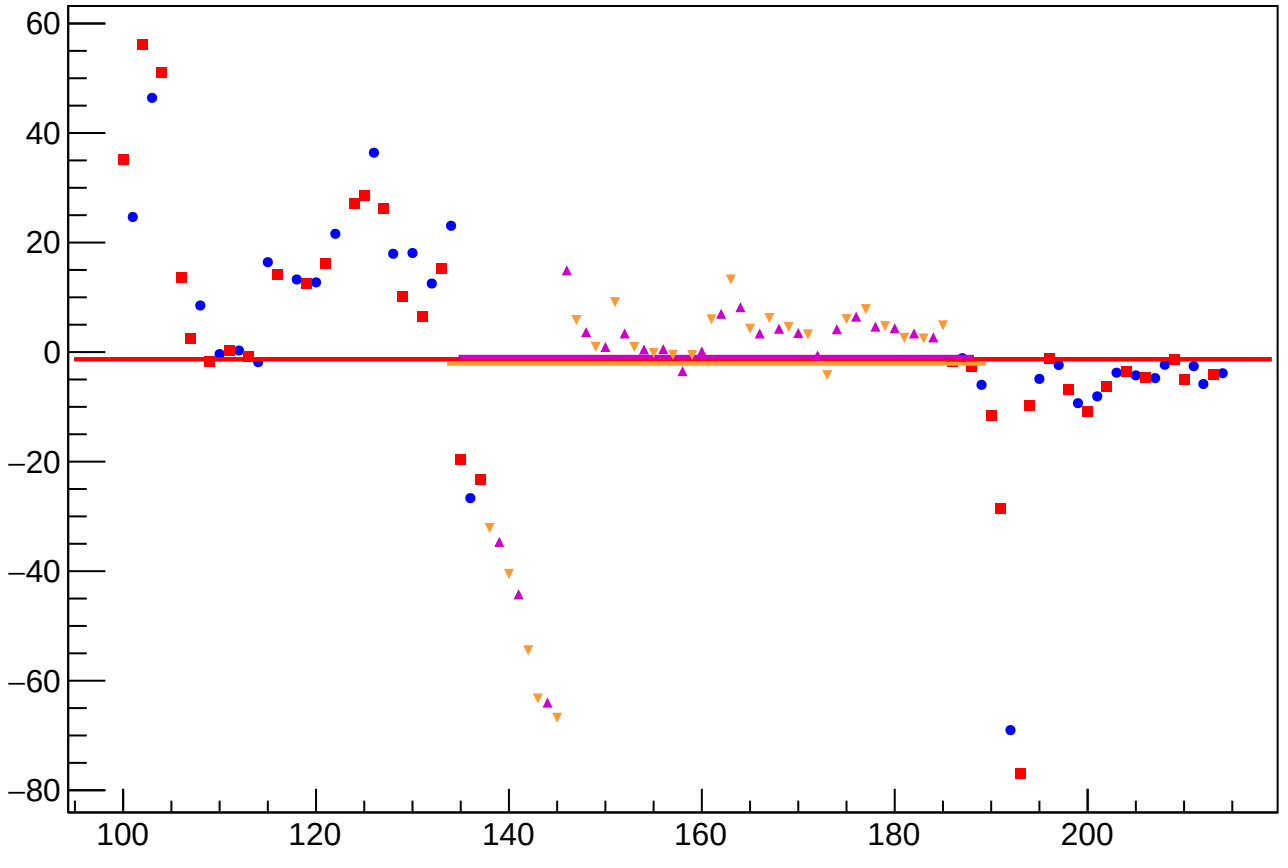
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.211+/-0.031 χ^2/NDF: 11415.2/63

In: 0.354+/-0.026 χ^2/NDF:13229.4/52

Out: 0.314+/-0.026 χ^2/NDF:12371.2/58

All: 0.334+/-0.018 χ^2/NDF: 25601.8/111



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

Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

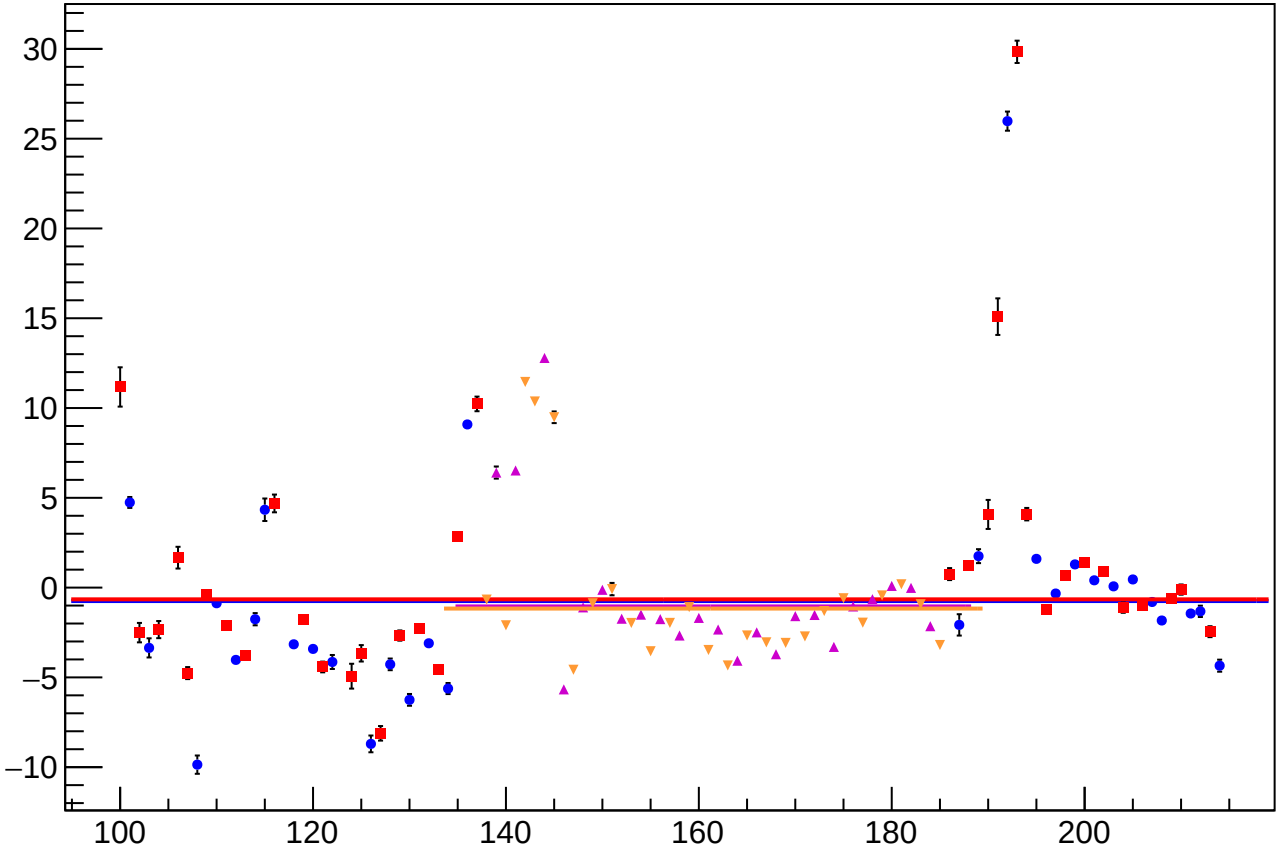
Right: -1.313+/-0.025 χ^2/NDF: 240307.6/63

In: -1.103+/-0.027 χ^2/NDF:249075.1/52

Out: -1.651+/-0.026 χ^2/NDF:291666.2/58

All: -1.385+/-0.019 χ^2/NDF: 540955.6/111

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



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

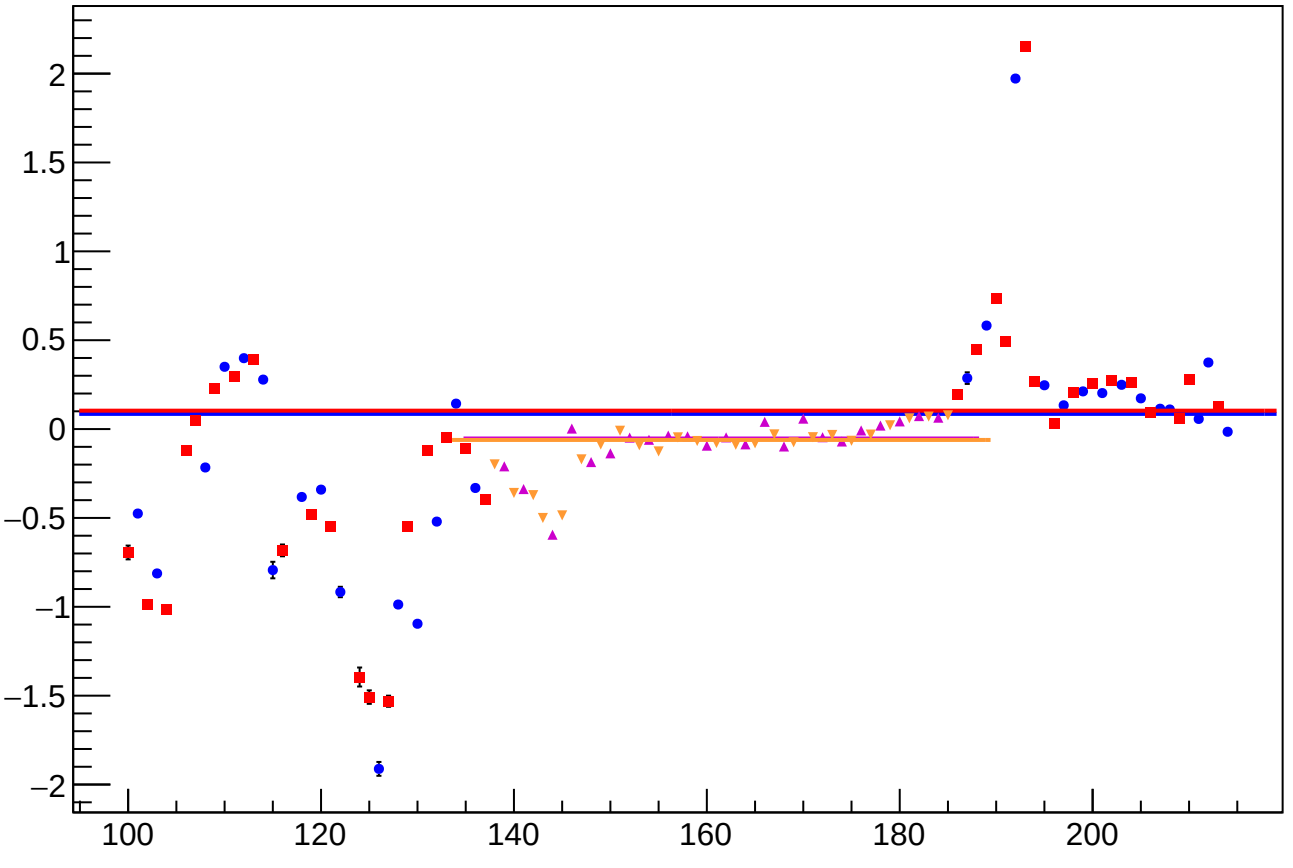
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.699+/-0.035 χ^2/NDF: 13399.7/63

In: -0.954+/-0.029 χ^2/NDF:14656.9/52

Out: -0.987+/-0.029 χ^2/NDF:12877.4/58

All: -0.970+/-0.020 χ^2/NDF: 27534.9/111



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

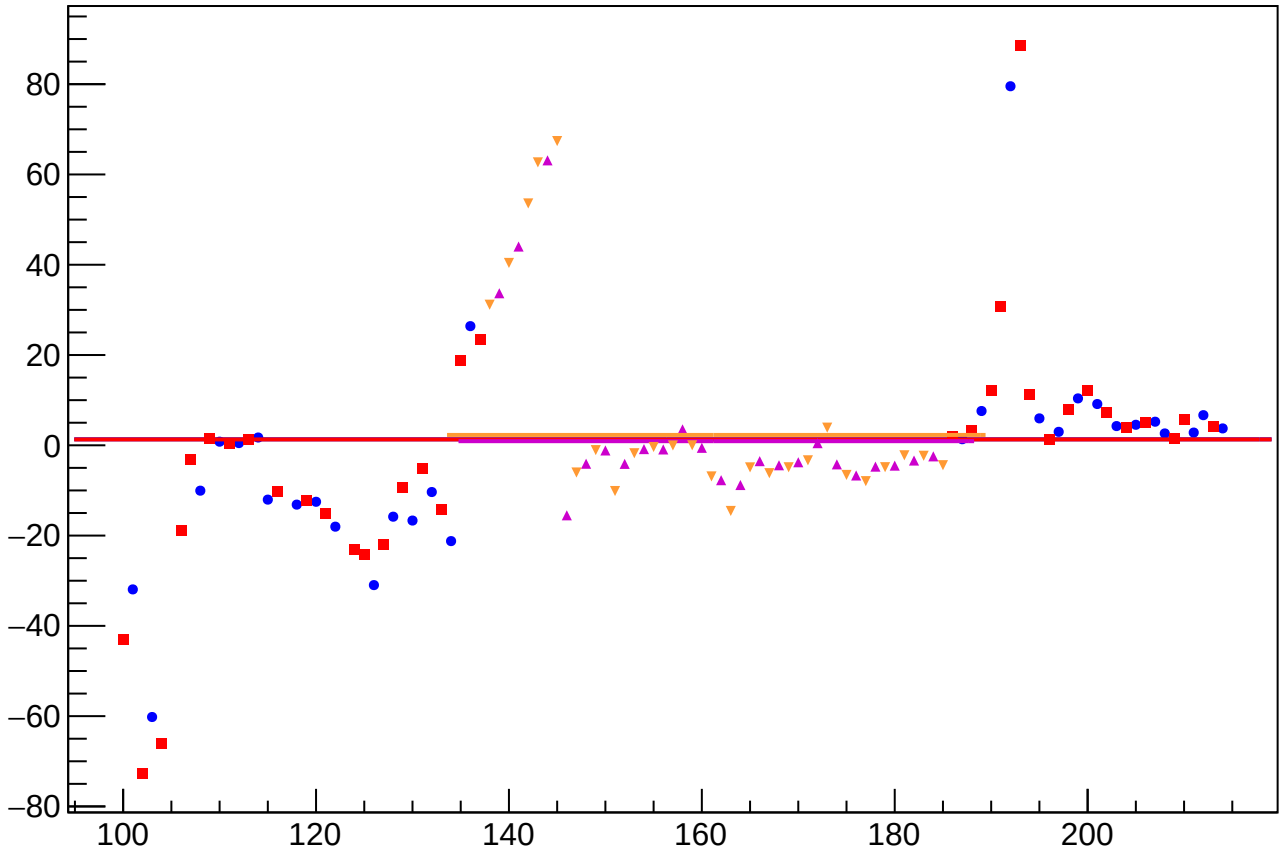
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.095+/-0.002 χ^2/NDF: 69913.4/63

In: -0.012+/-0.001 χ^2/NDF:42312.5/52

Out: -0.006+/-0.001 χ^2/NDF:44497.9/58

All: -0.009+/-0.001 χ^2/NDF: 86819.3/111



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

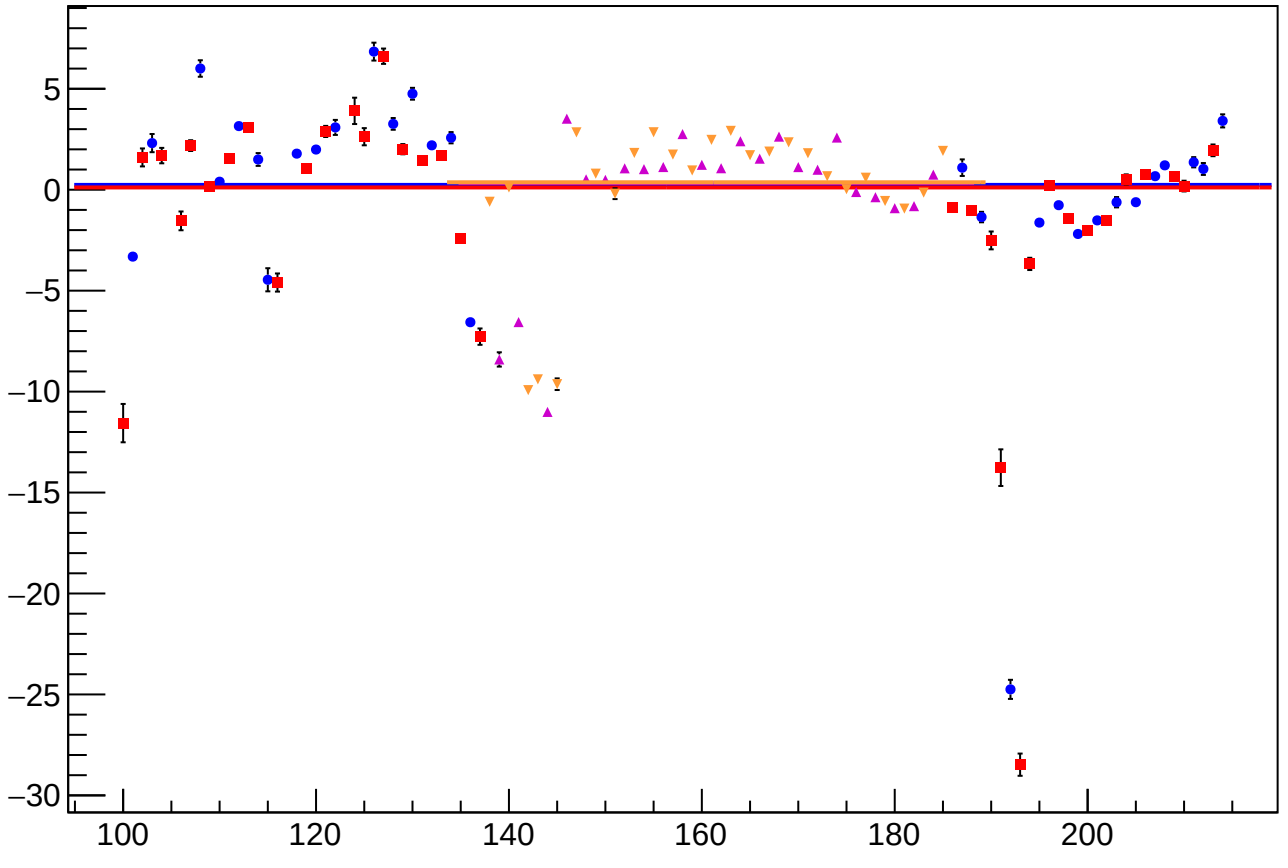
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 1.313+/-0.024 χ^2/NDF: 244007.7/63

In: 1.142+/-0.027 χ^2/NDF:254217.3/52

Out: 1.696+/-0.025 χ^2/NDF:299977.8/58

All: 1.433+/-0.018 χ^2/NDF: 554420.7/111



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

Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

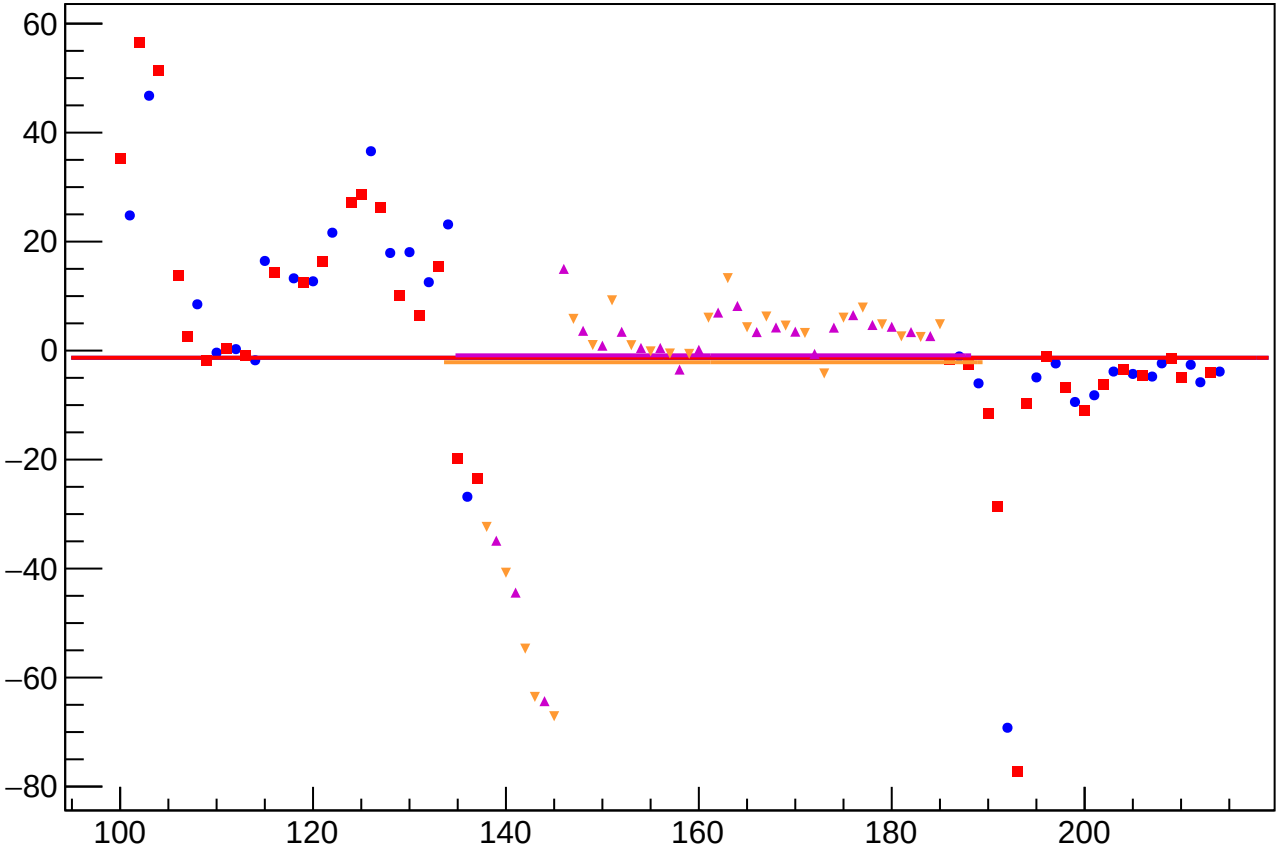
Right: 0.173+/-0.031 χ^2/NDF: 11403.1/63

In: 0.304+/-0.026 χ^2/NDF:13200.1/52

Out: 0.273+/-0.026 χ^2/NDF:12386.6/58

All: 0.289+/-0.018 χ^2/NDF: 25587.5/111

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

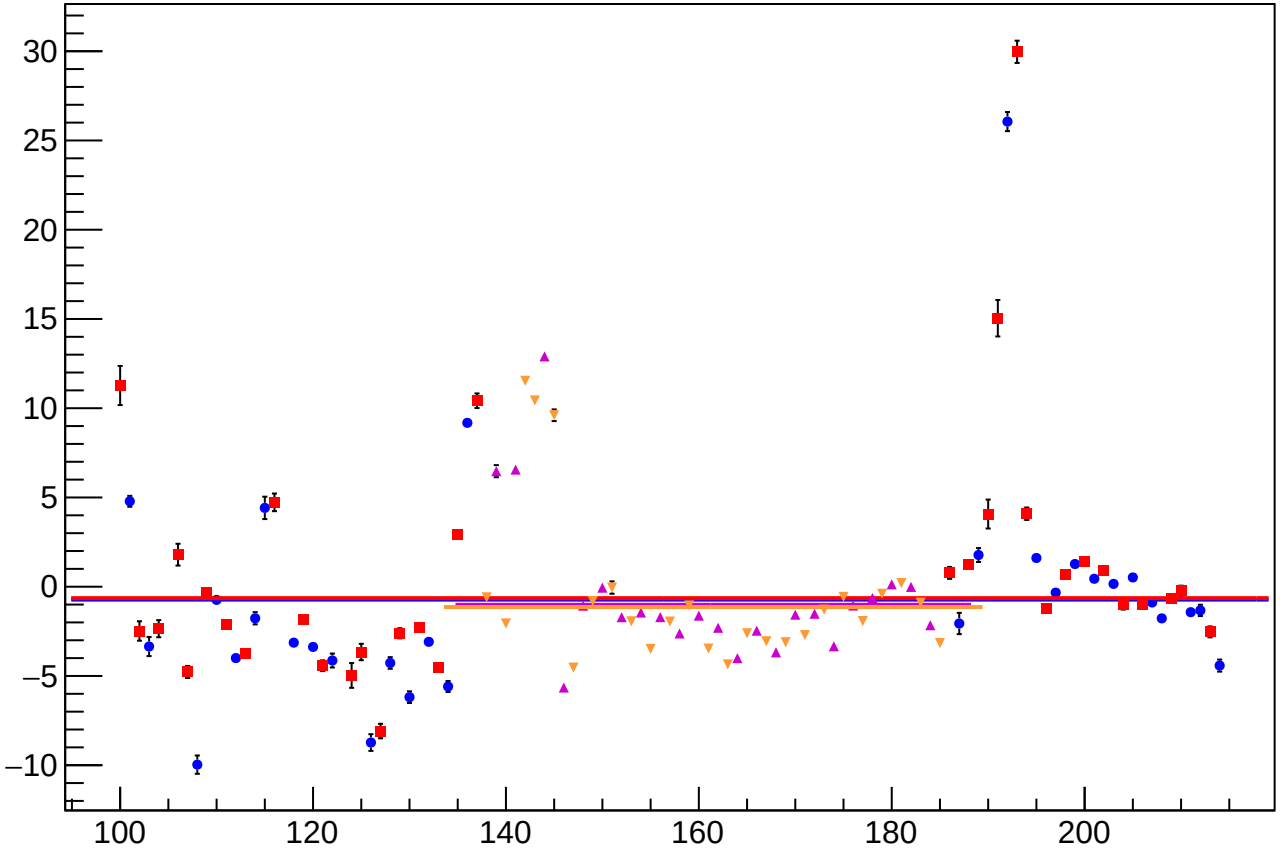
Right: -1.314+/-0.025 χ^2/NDF: 240378.7/63

In: -1.109+/-0.027 χ^2/NDF:249287.9/52

Out: -1.658+/-0.026 χ^2/NDF:292130.4/58

All: -1.392+/-0.019 χ^2/NDF: 541631.3/111

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



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

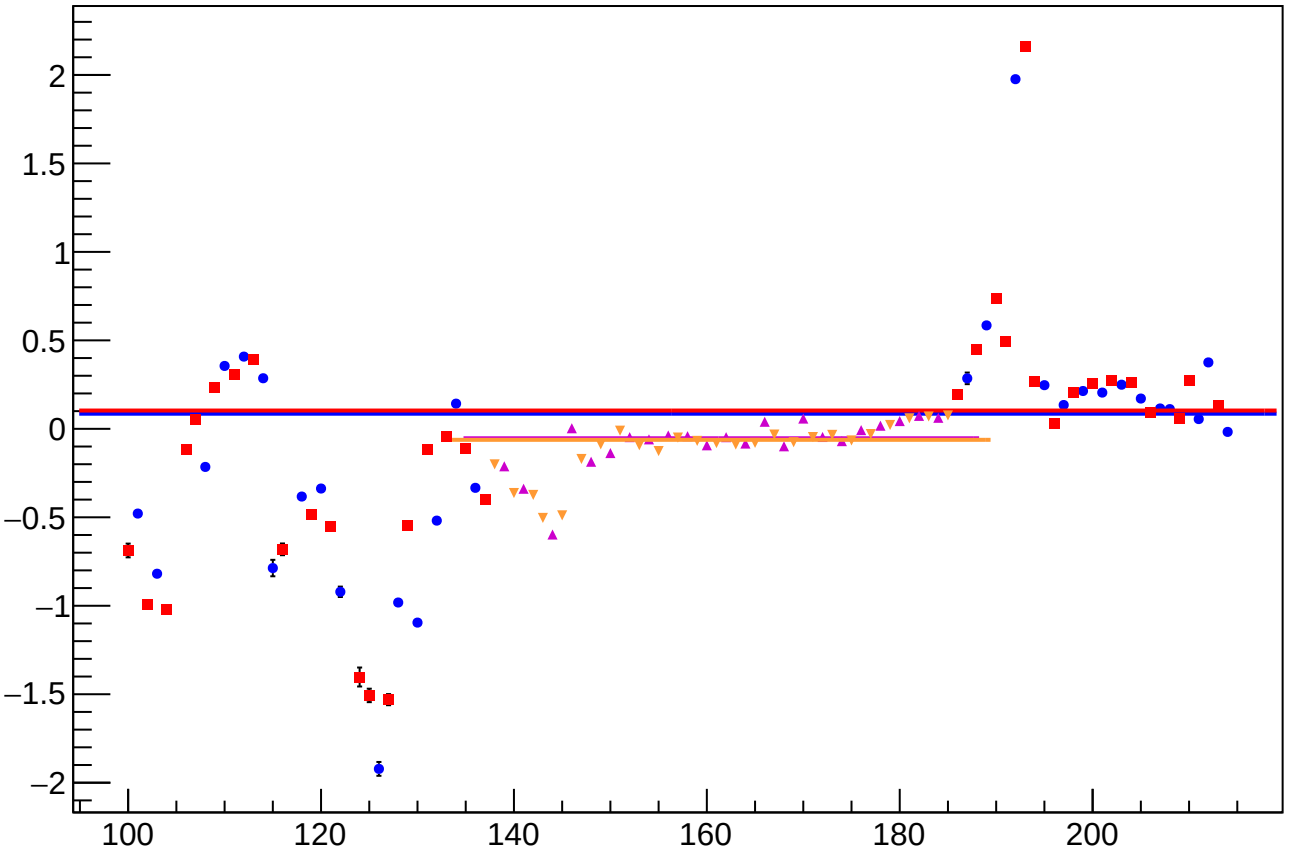
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.679+/-0.036 χ^2/NDF: 13405.0/63

In: -0.922+/-0.029 χ^2/NDF:14641.3/52

Out: -0.964+/-0.029 χ^2/NDF:12900.8/58

All: -0.943+/-0.021 χ^2/NDF: 27543.2/111



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

Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

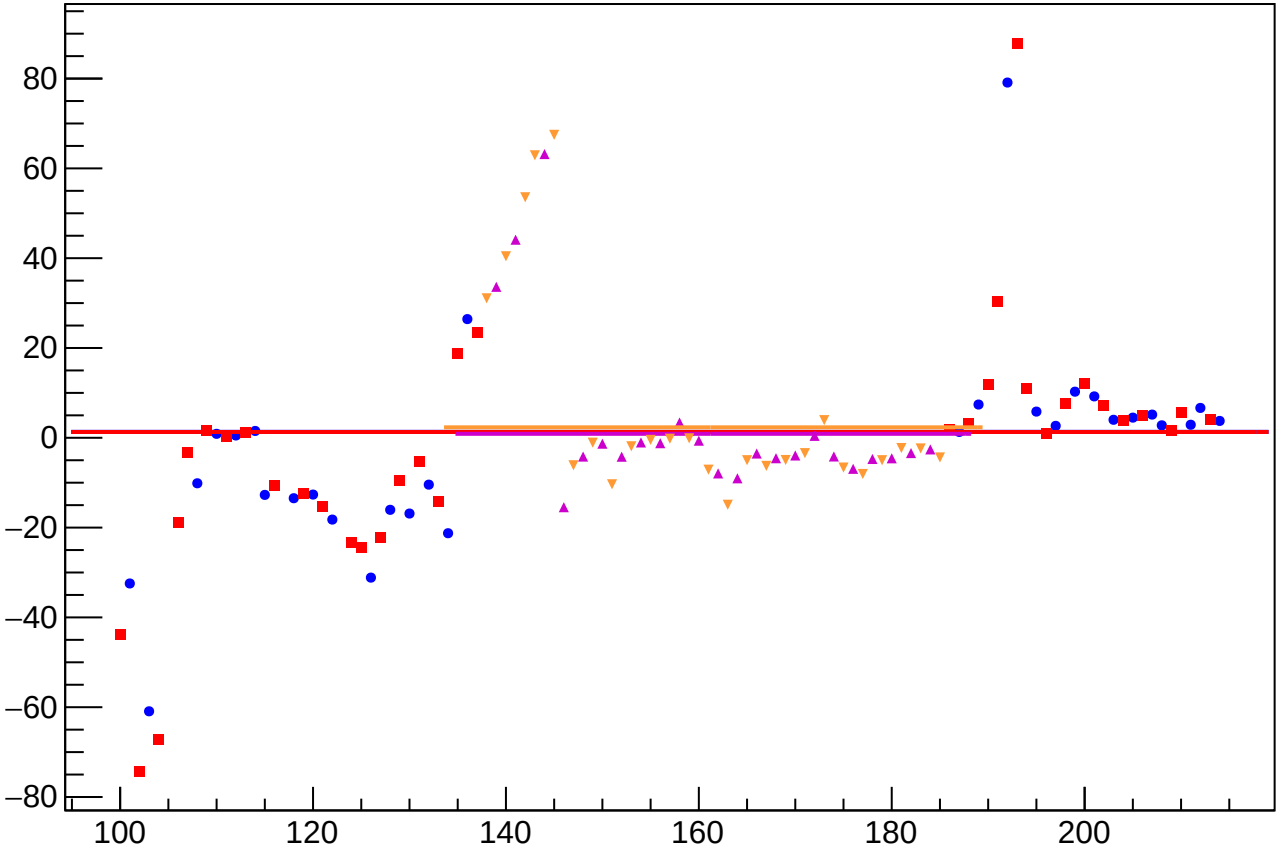
Right: 0.095+/-0.002 χ^2/NDF: 69860.0/63

In: -0.012+/-0.001 χ^2/NDF:42275.5/52

Out: -0.007+/-0.001 χ^2/NDF:44458.3/58

All: -0.010+/-0.001 χ^2/NDF: 86741.1/111

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

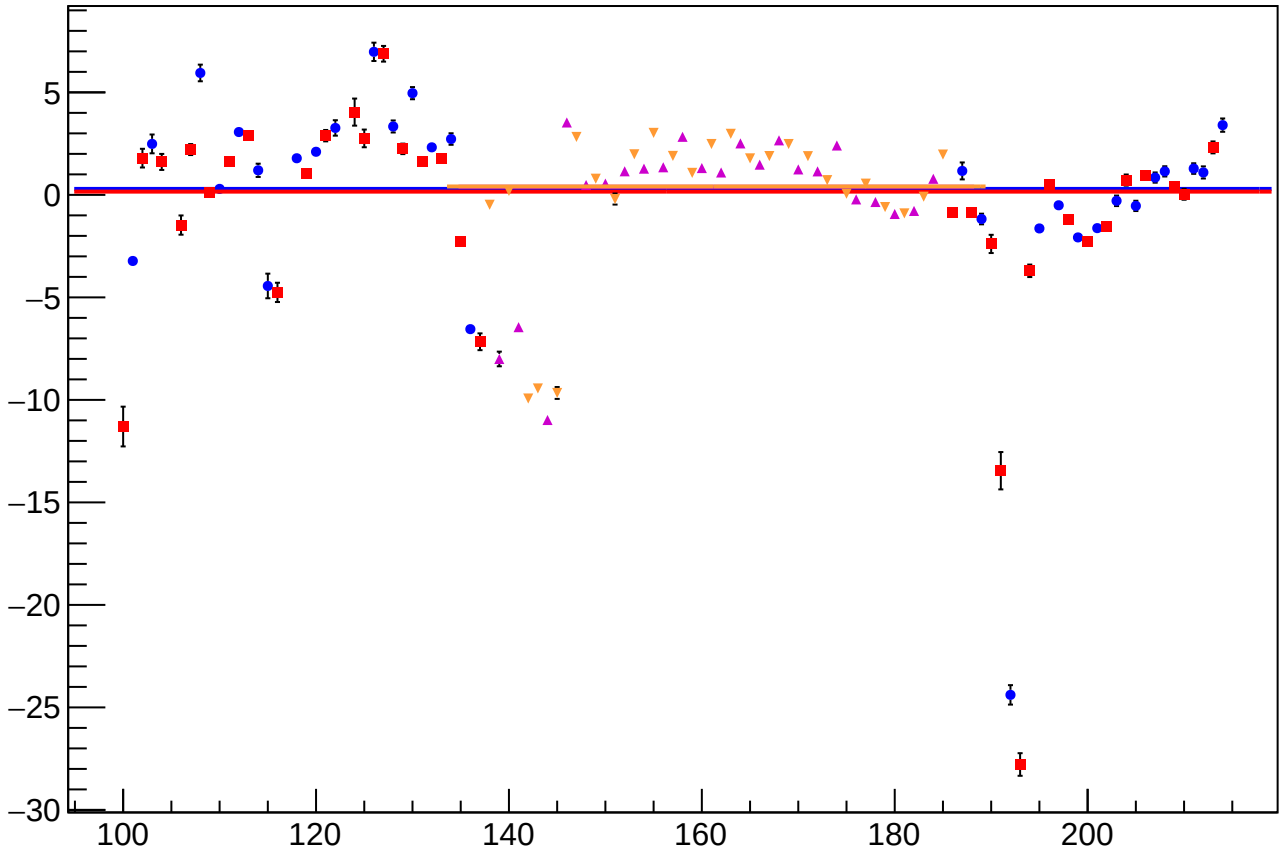
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 1.310+/-0.025 χ^2/NDF: 240511.5/63

In: 1.131+/-0.027 χ^2/NDF:250211.2/52

Out: 1.705+/-0.026 χ^2/NDF:295810.3/58

All: 1.432+/-0.019 χ^2/NDF: 546256.5/111



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

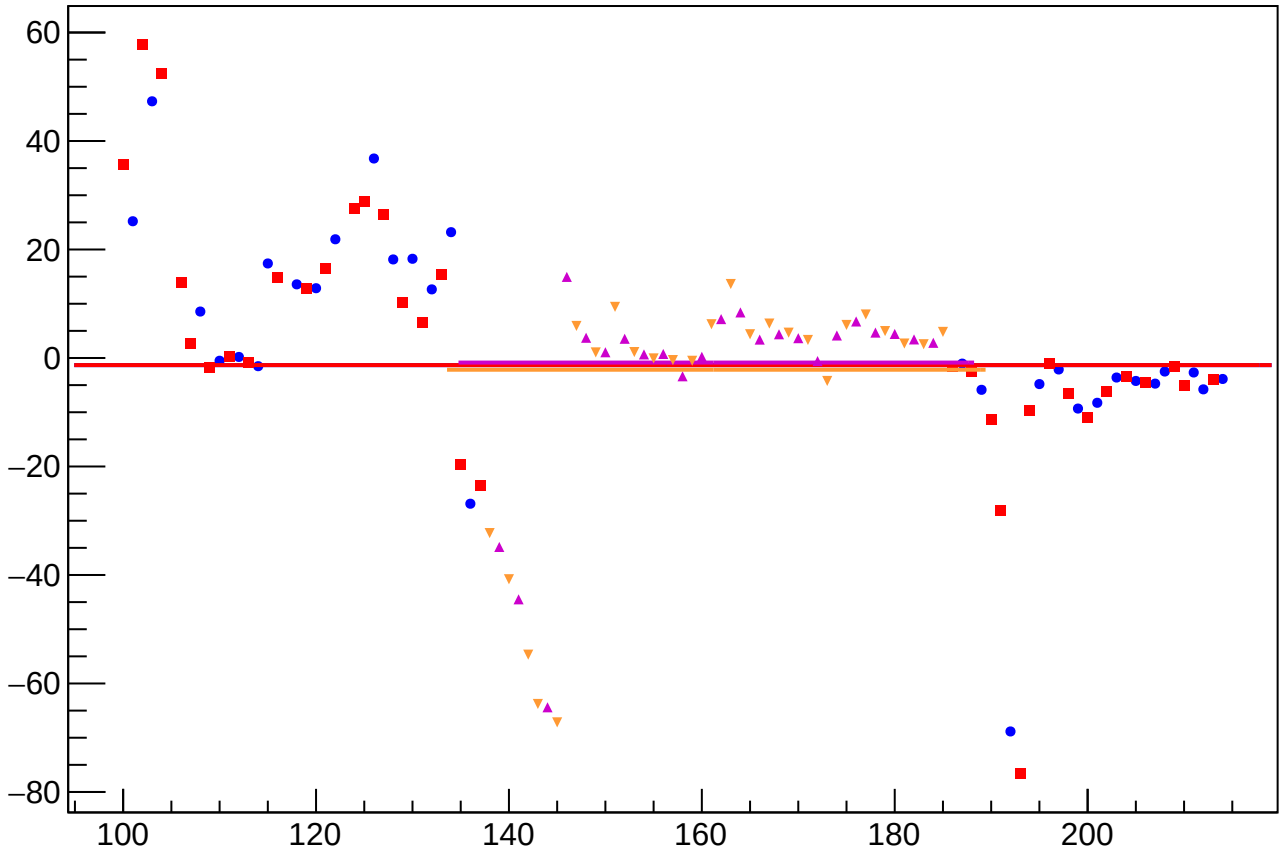
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.222+/-0.031 χ^2/NDF: 11051.4/63

In: 0.361+/-0.026 χ^2/NDF:12866.9/52

Out: 0.316+/-0.026 χ^2/NDF:12184.5/58

All: 0.339+/-0.019 χ^2/NDF: 25052.9/111



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

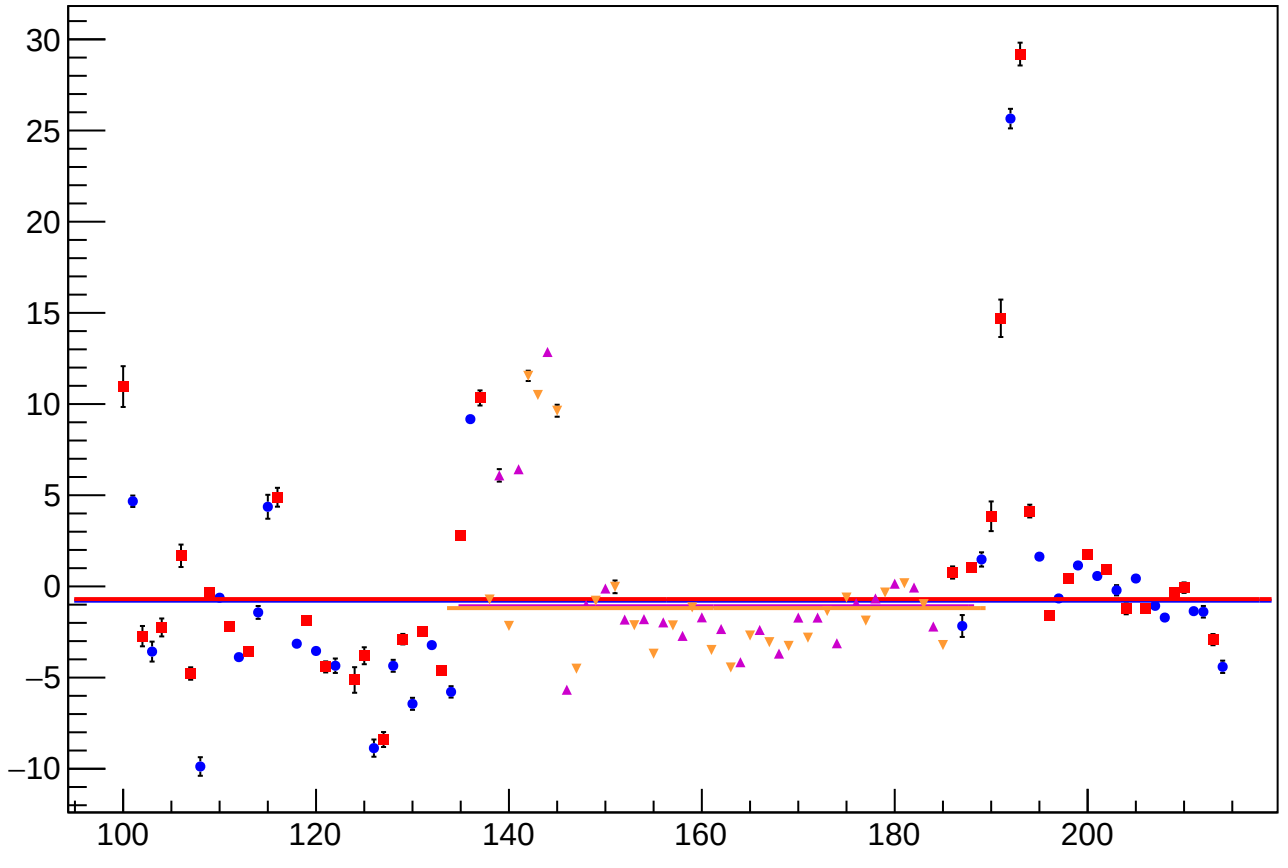
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -1.314+/-0.026 χ^2/NDF: 236931.5/63

In: -1.097+/-0.027 χ^2/NDF:245349.9/52

Out: -1.667+/-0.027 χ^2/NDF:288033.7/58

All: -1.391+/-0.019 χ^2/NDF: 533606.5/111



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

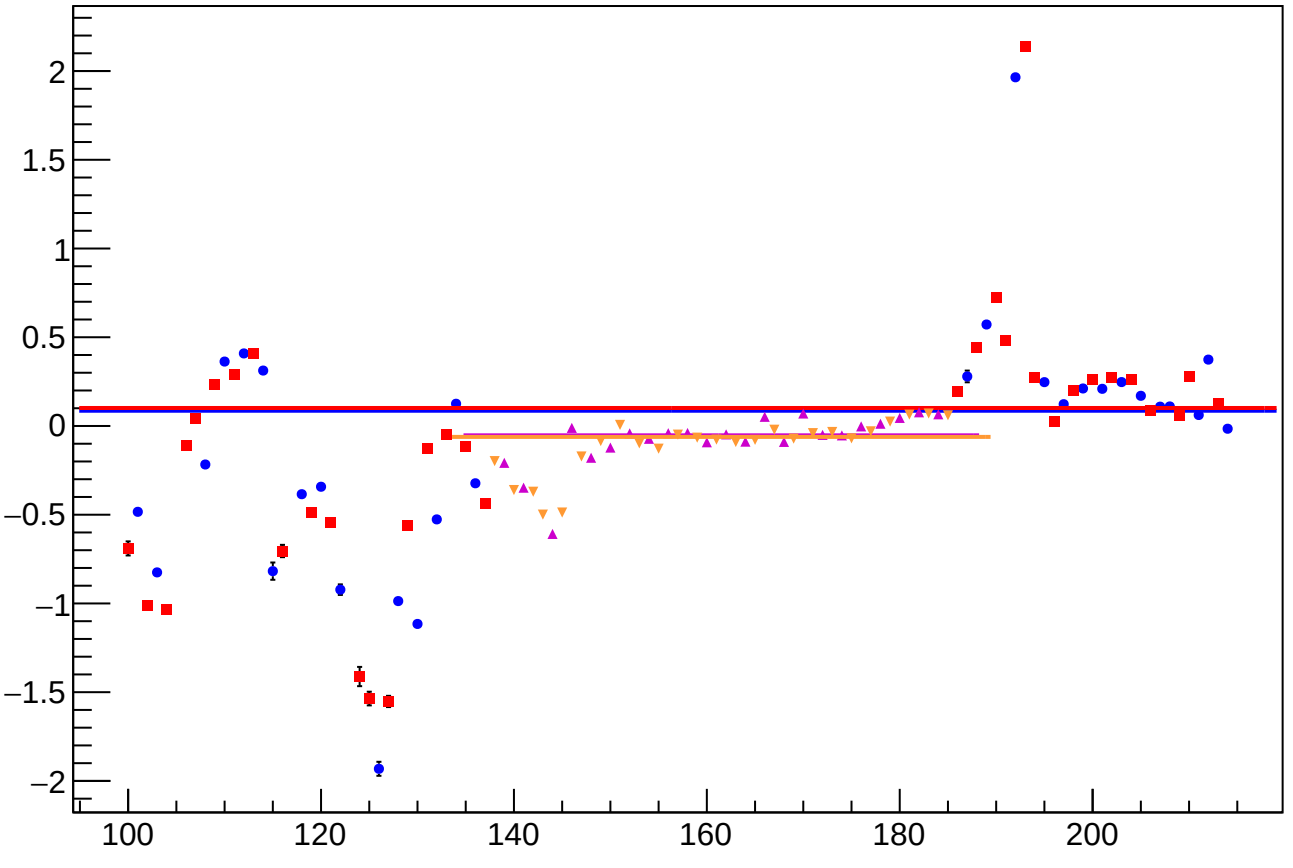
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.737+/-0.036 χ^2/NDF: 13064.8/63

In: -0.992+/-0.029 χ^2/NDF:14283.7/52

Out: -1.015+/-0.030 χ^2/NDF:12703.3/58

All: -1.003+/-0.021 χ^2/NDF: 26987.3/111



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

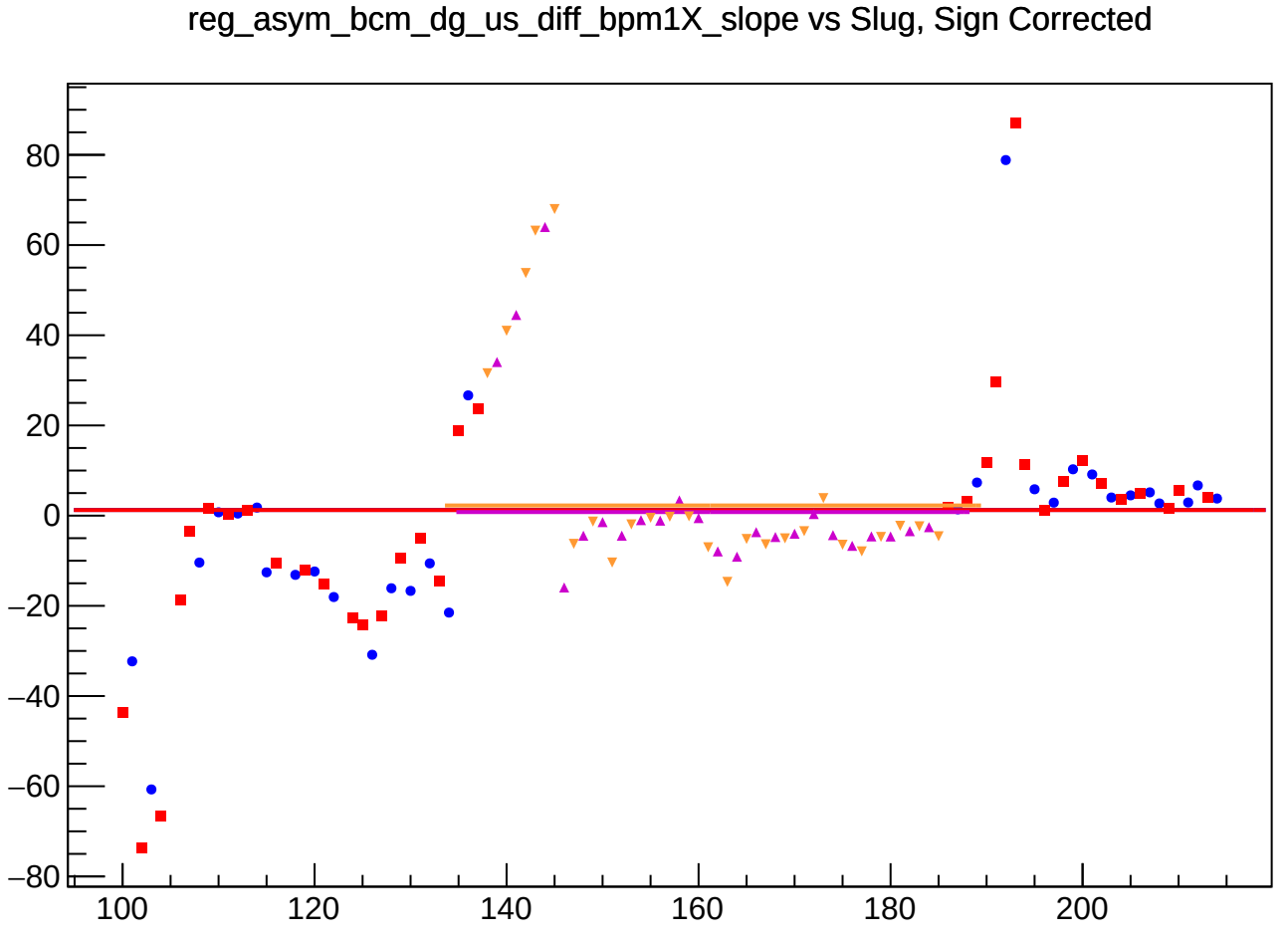
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.094+/-0.002 χ^2/NDF: 68681.7/63

In: -0.011+/-0.001 χ^2/NDF:41506.4/52

Out: -0.007+/-0.001 χ^2/NDF:43657.1/58

All: -0.009+/-0.001 χ^2/NDF: 85168.5/111



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

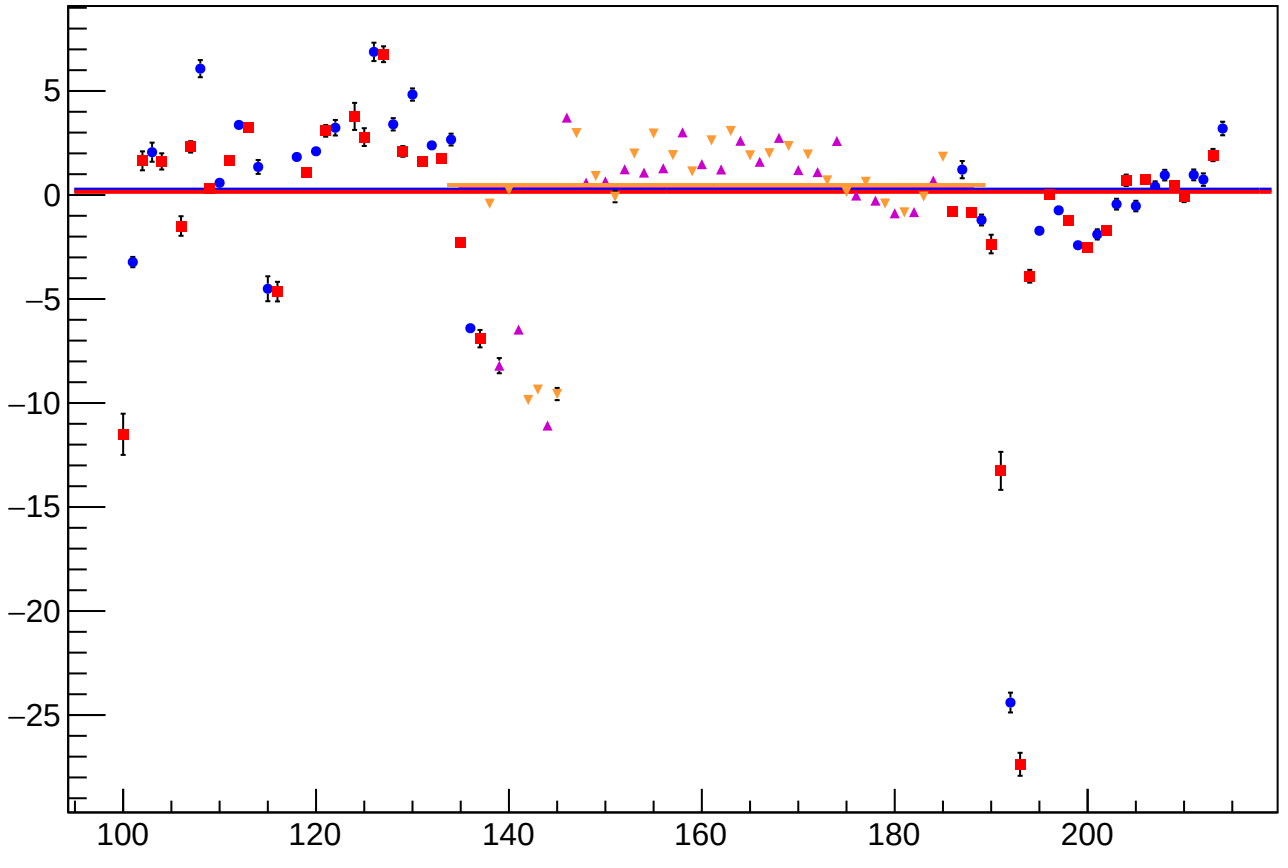
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 1.251+/-0.025 χ^2/NDF: 236697.2/63

In: 1.055+/-0.027 χ^2/NDF:246975.0/52

Out: 1.645+/-0.026 χ^2/NDF:290654.4/58

All: 1.364+/-0.019 χ^2/NDF: 537870.2/111



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

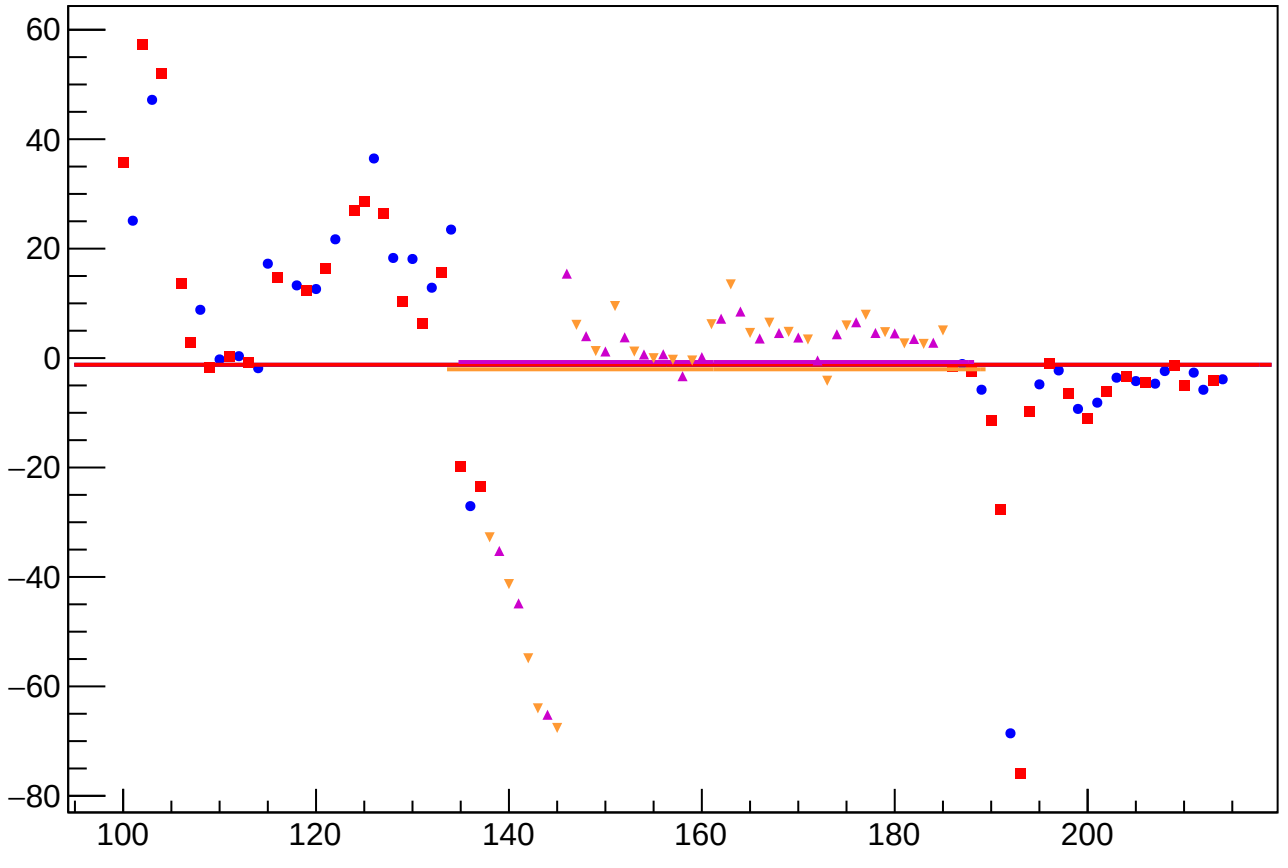
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.202+/-0.032 χ^2/NDF: 10899.7/63

In: 0.379+/-0.026 χ^2/NDF:12788.8/52

Out: 0.357+/-0.027 χ^2/NDF:11855.4/58

All: 0.368+/-0.019 χ^2/NDF: 24644.5/111



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

Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

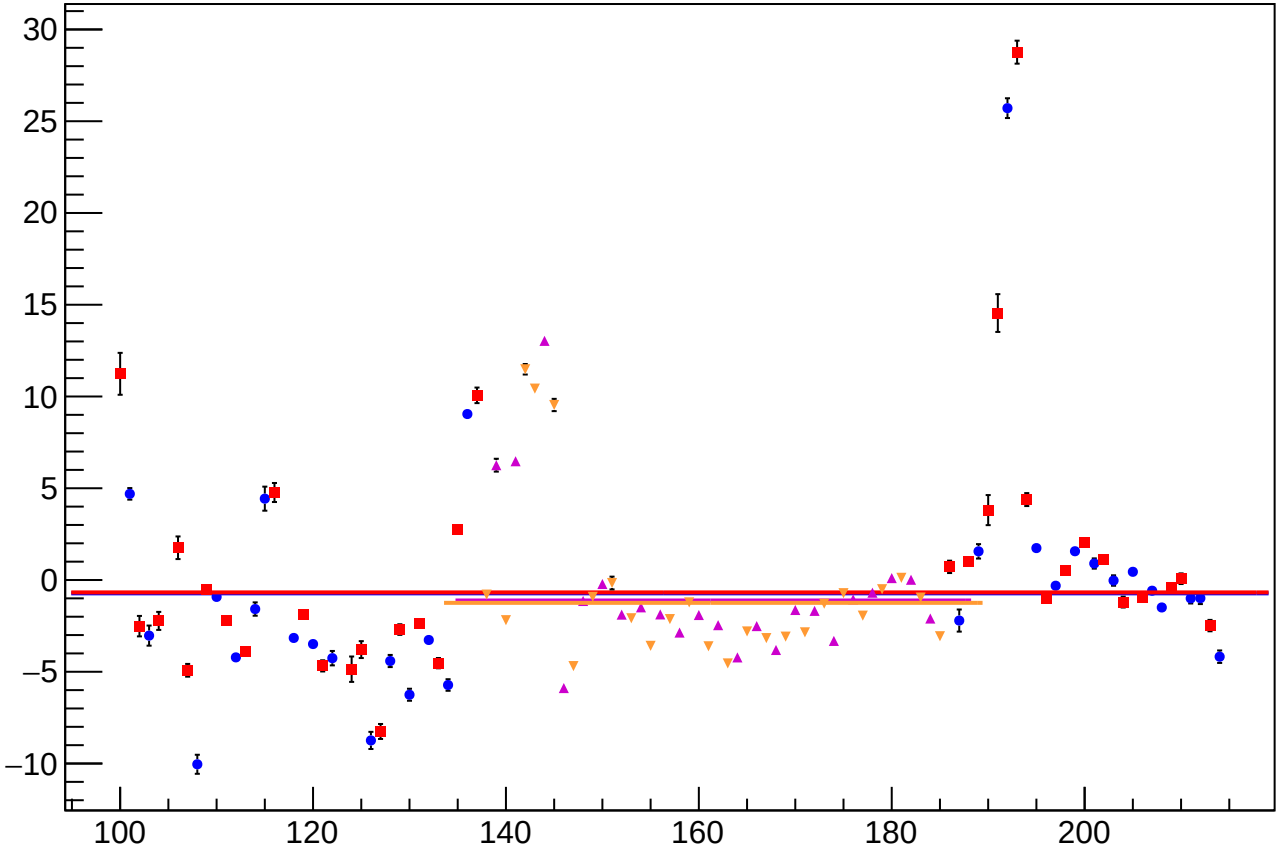
Right: -1.222+/-0.026 χ^2/NDF: 233119.9/63

In: -0.992+/-0.028 χ^2/NDF:242068.3/52

Out: -1.567+/-0.027 χ^2/NDF:282912.1/58

All: -1.288+/-0.019 χ^2/NDF: 525202.2/111

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



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

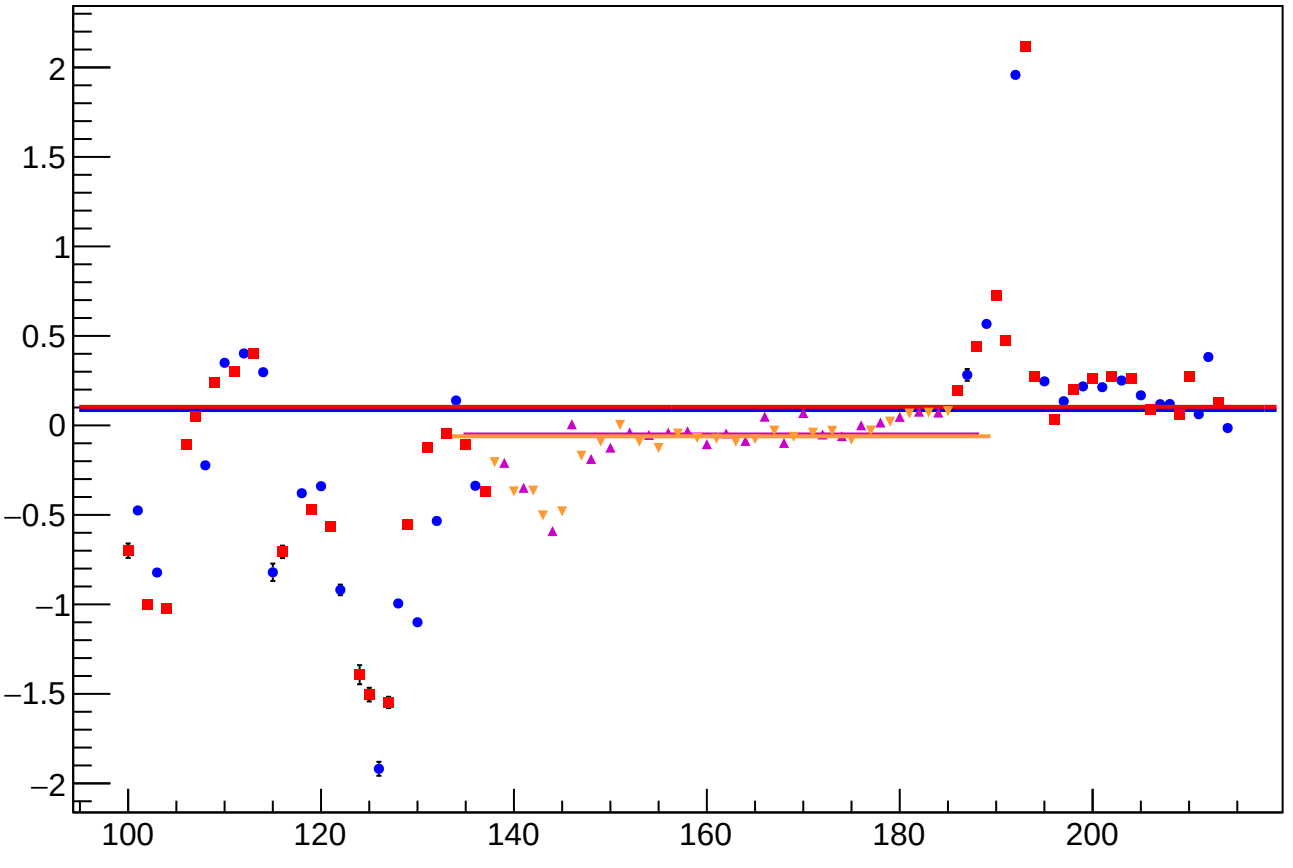
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.700+/-0.037 χ^2/NDF: 12786.3/63

In: -0.994+/-0.030 χ^2/NDF:14165.8/52

Out: -1.044+/-0.030 χ^2/NDF:12347.9/58

All: -1.019+/-0.021 χ^2/NDF: 26515.1/111



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

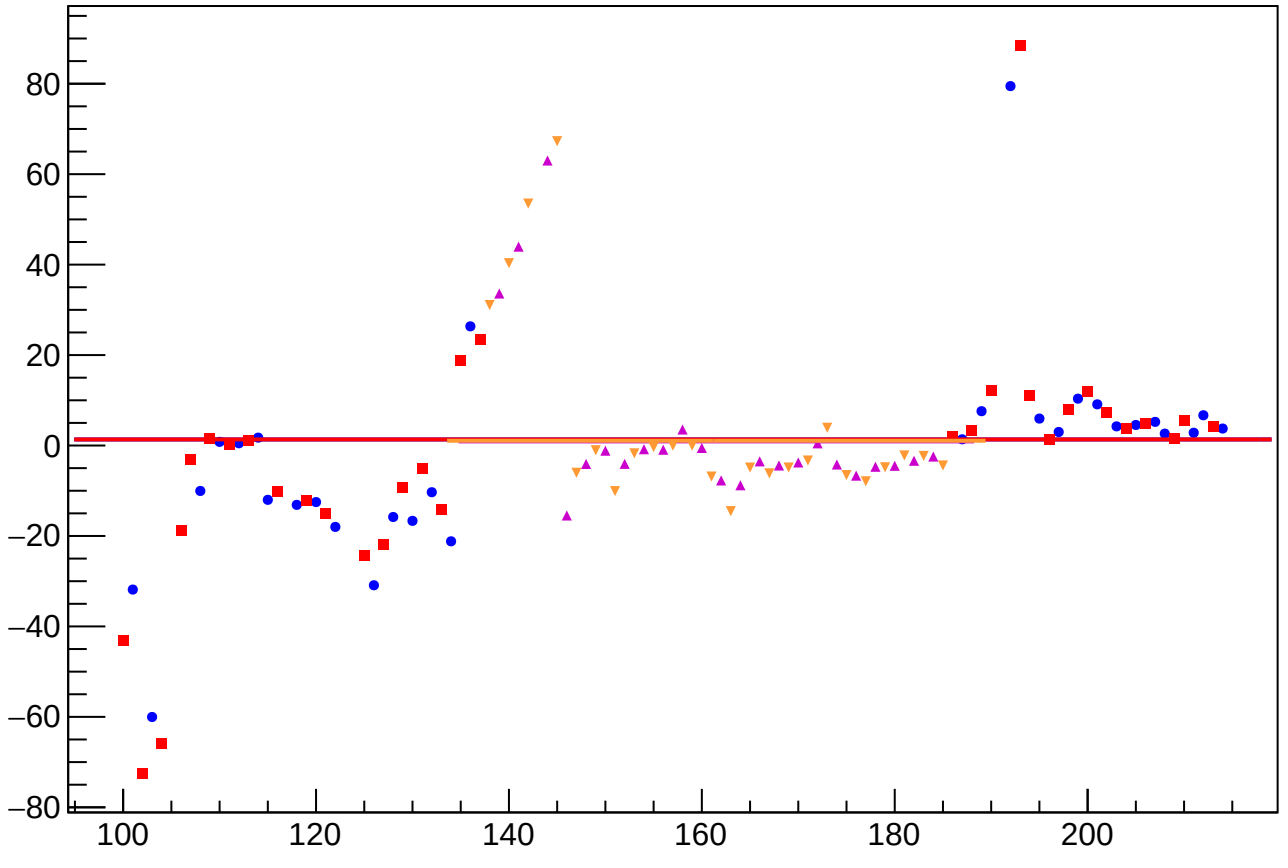
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: 0.095+/-0.002 χ^2/NDF: 67431.3/63

In: -0.010+/-0.001 χ^2/NDF:40902.3/52

Out: -0.006+/-0.001 χ^2/NDF:42618.8/58

All: -0.008+/-0.001 χ^2/NDF: 83524.8/111



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

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

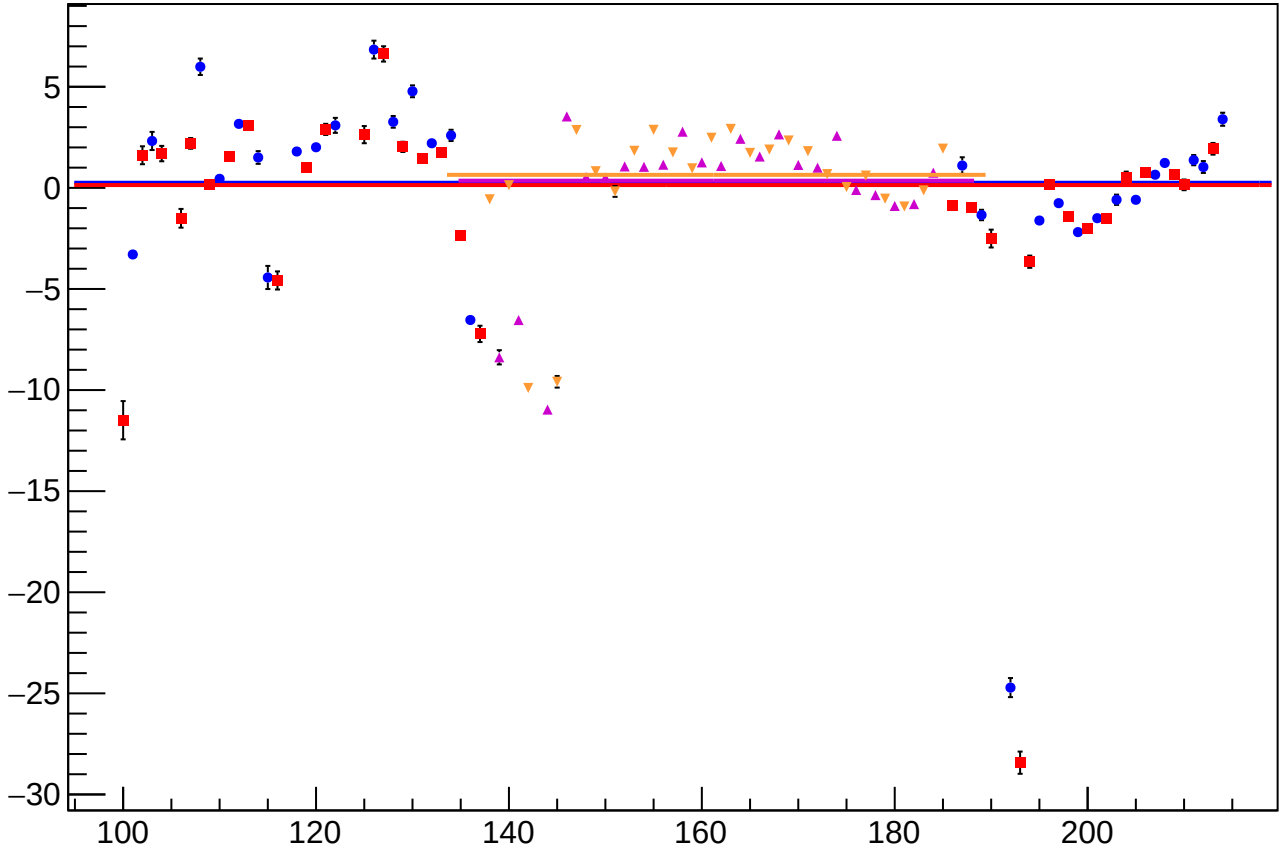
Right: 1.343+/-0.024 χ^2/NDF: 241507.7/61

In: 1.150+/-0.027 χ^2/NDF:254670.3/52

Out: 1.231+/-0.025 χ^2/NDF:250771.4/55

All: 1.192+/-0.018 χ^2/NDF: 505446.5/108

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

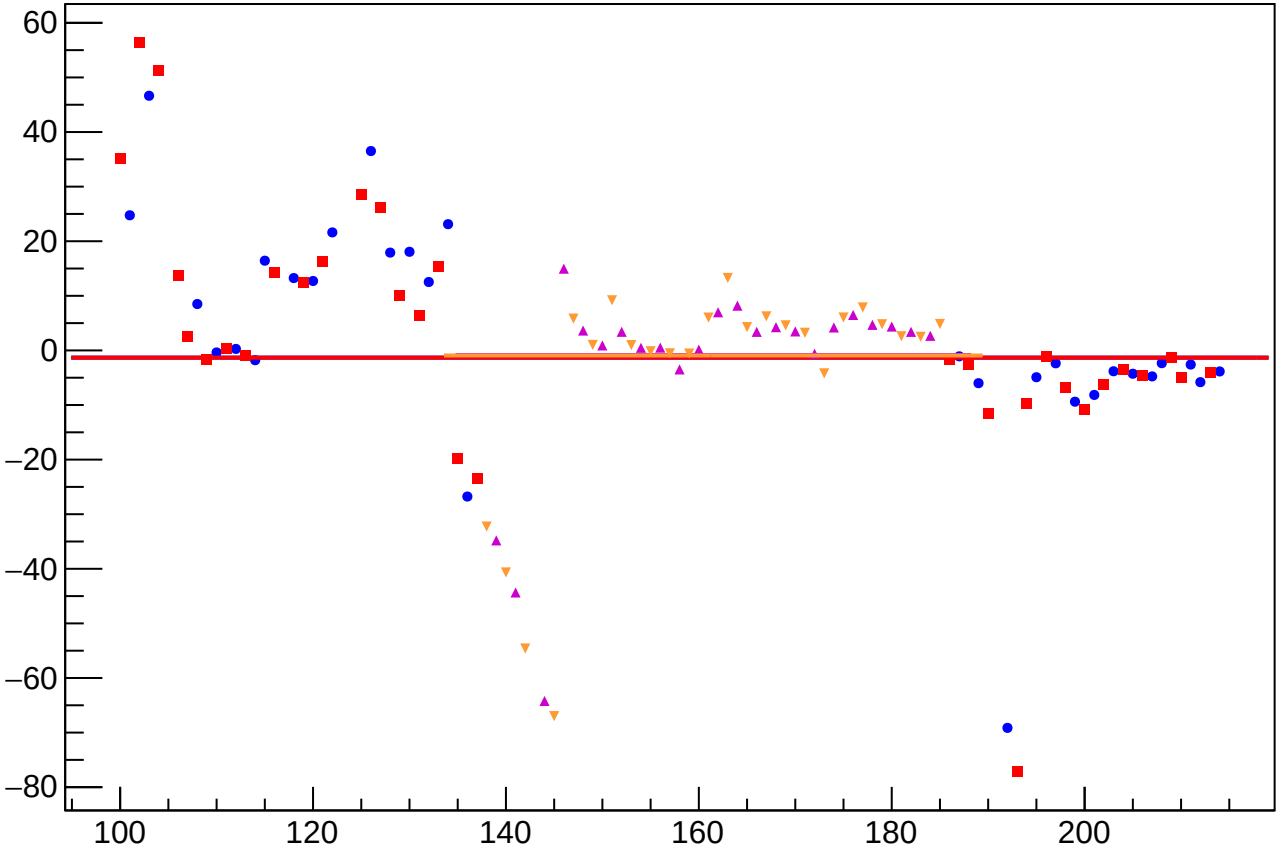
Right: 0.194+/-0.031 χ^2/NDF: 11158.2/61

In: 0.322+/-0.026 χ^2/NDF:13237.8/52

Out: 0.454+/-0.026 χ^2/NDF:9835.5/55

All: 0.386+/-0.018 χ^2/NDF: 23086.4/108

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

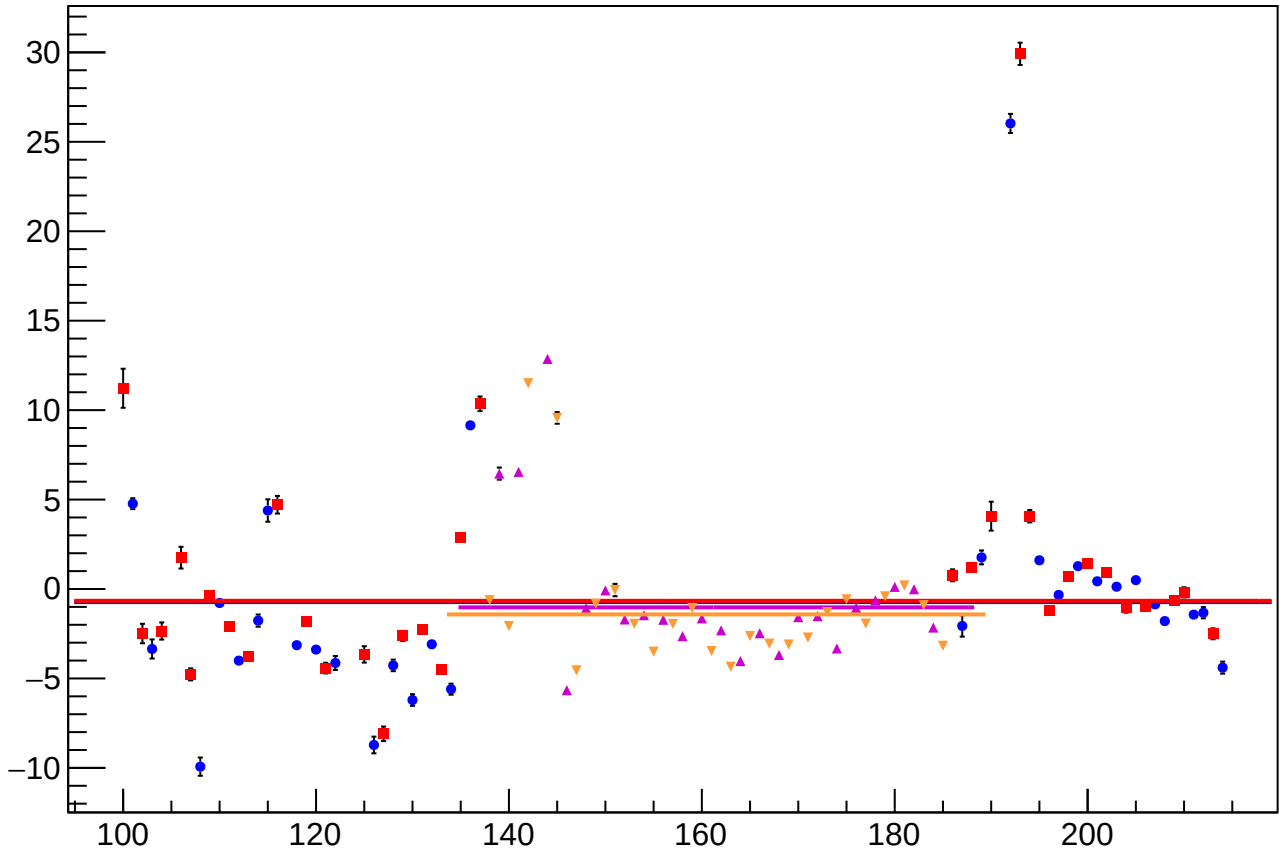
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: -1.326+/-0.025 χ^2/NDF: 237983.7/61

In: -1.105+/-0.027 χ^2/NDF:249720.0/52

Out: -1.161+/-0.026 χ^2/NDF:244257.4/55

All: -1.134+/-0.019 χ^2/NDF: 493979.7/108



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

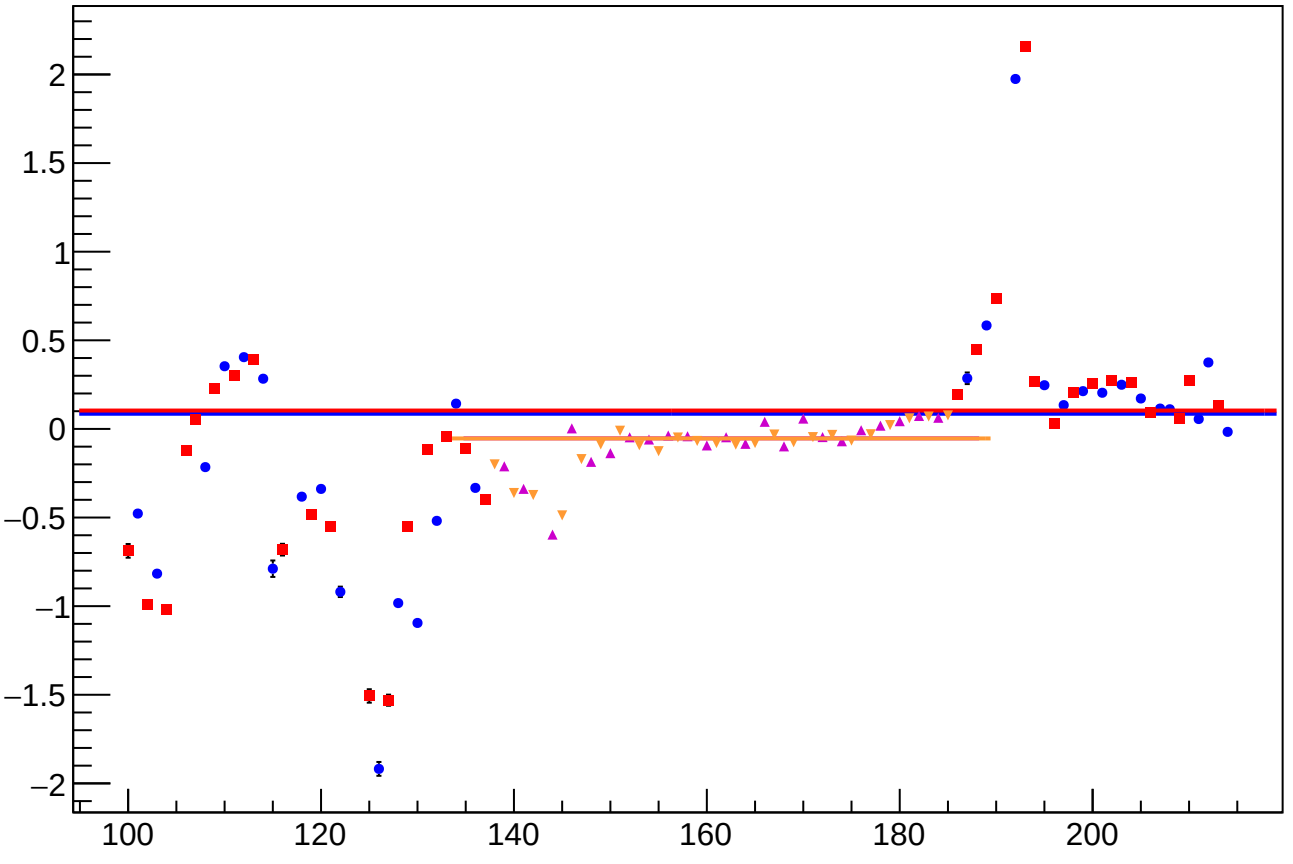
Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

Right: -0.694+/-0.036 χ^2/NDF: 13154.3/61

In: -0.933+/-0.029 χ^2/NDF:14678.0/52

Out: -1.150+/-0.029 χ^2/NDF:10340.0/55

All: -1.039+/-0.021 χ^2/NDF: 25045.8/108



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

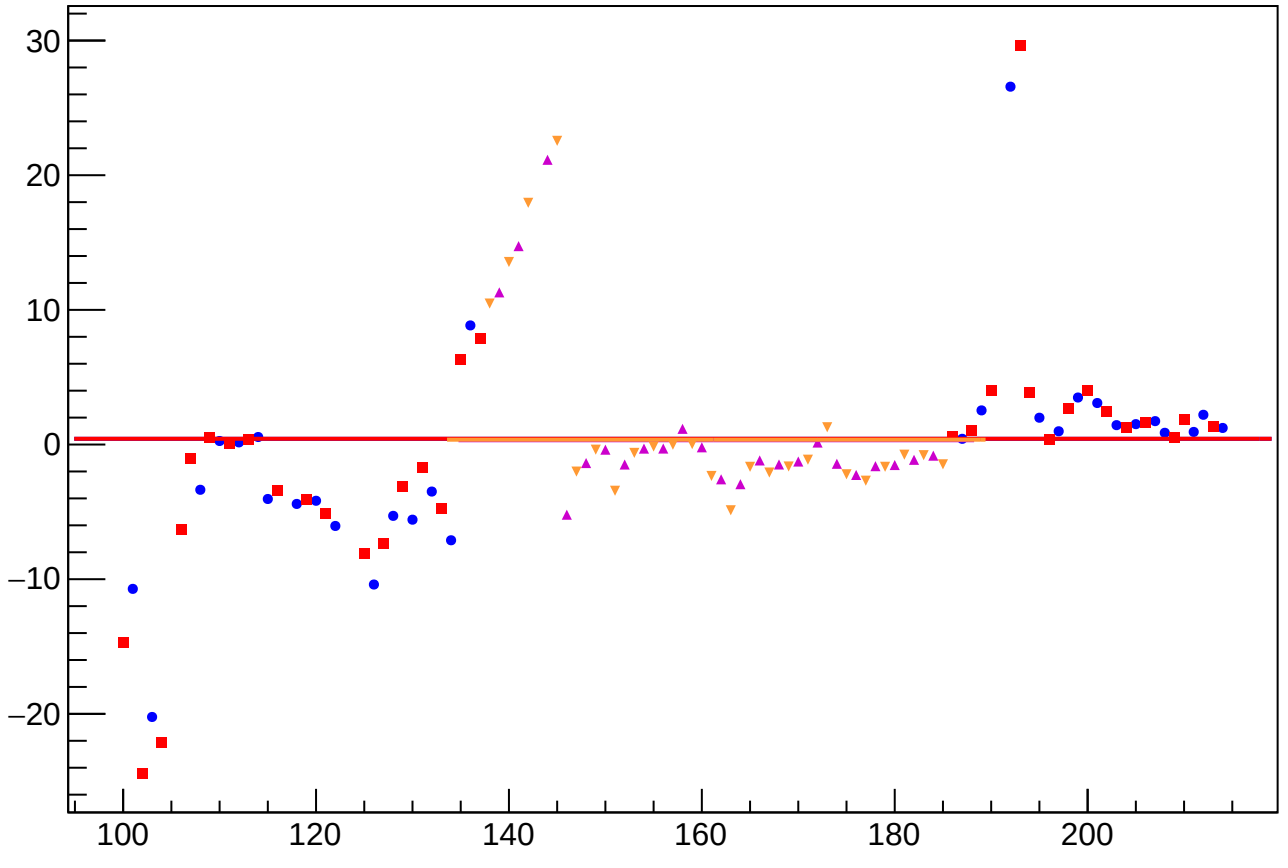
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: 0.095+/-0.002 χ^2/NDF: 69016.1/61

In: -0.012+/-0.001 χ^2/NDF:42377.0/52

Out: -0.001+/-0.001 χ^2/NDF:41798.1/55

All: -0.007+/-0.001 χ^2/NDF: 84211.0/108



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

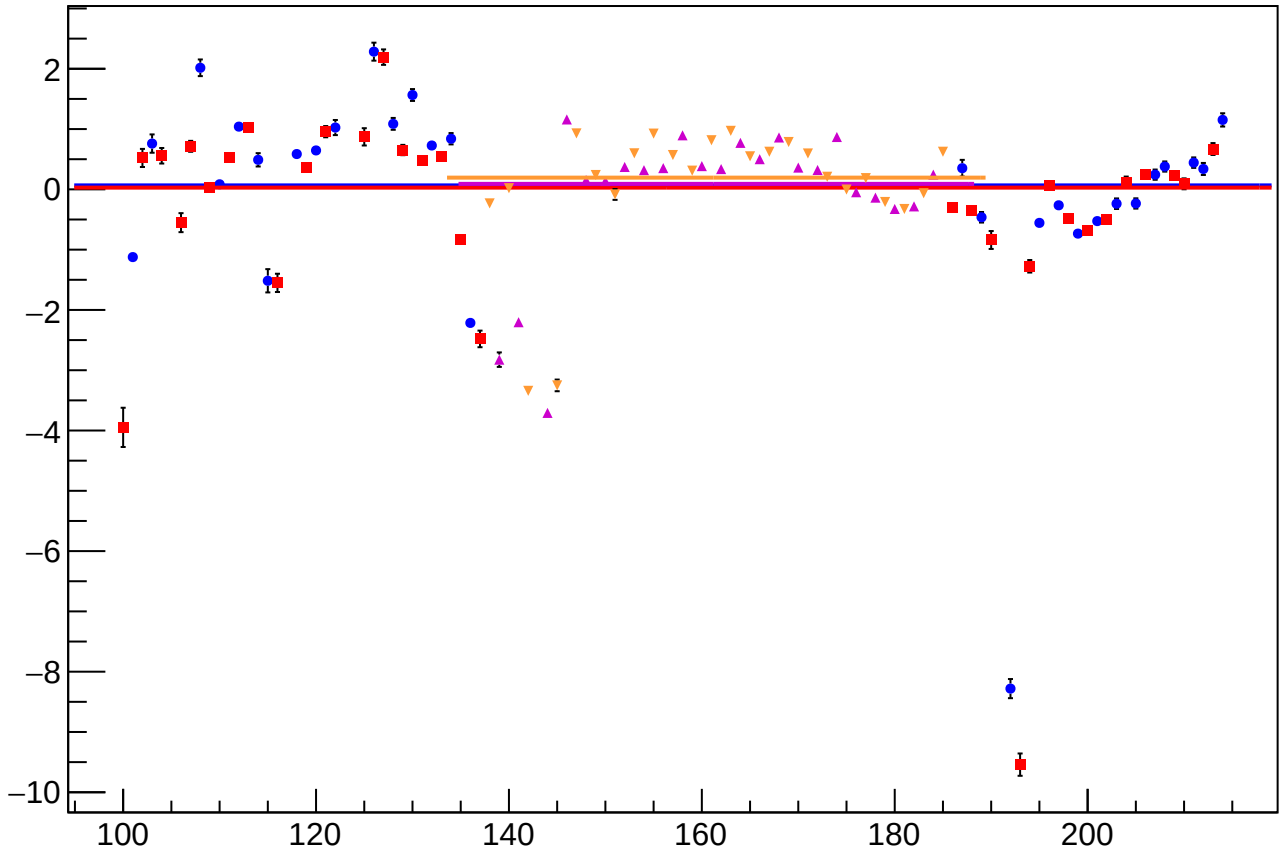
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.426+/-0.008 χ^2/NDF: 237489.2/61

In: 0.376+/-0.009 χ^2/NDF:249938.2/52

Out: 0.401+/-0.009 χ^2/NDF:246653.2/55

All: 0.389+/-0.006 χ^2/NDF: 496595.5/108



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

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

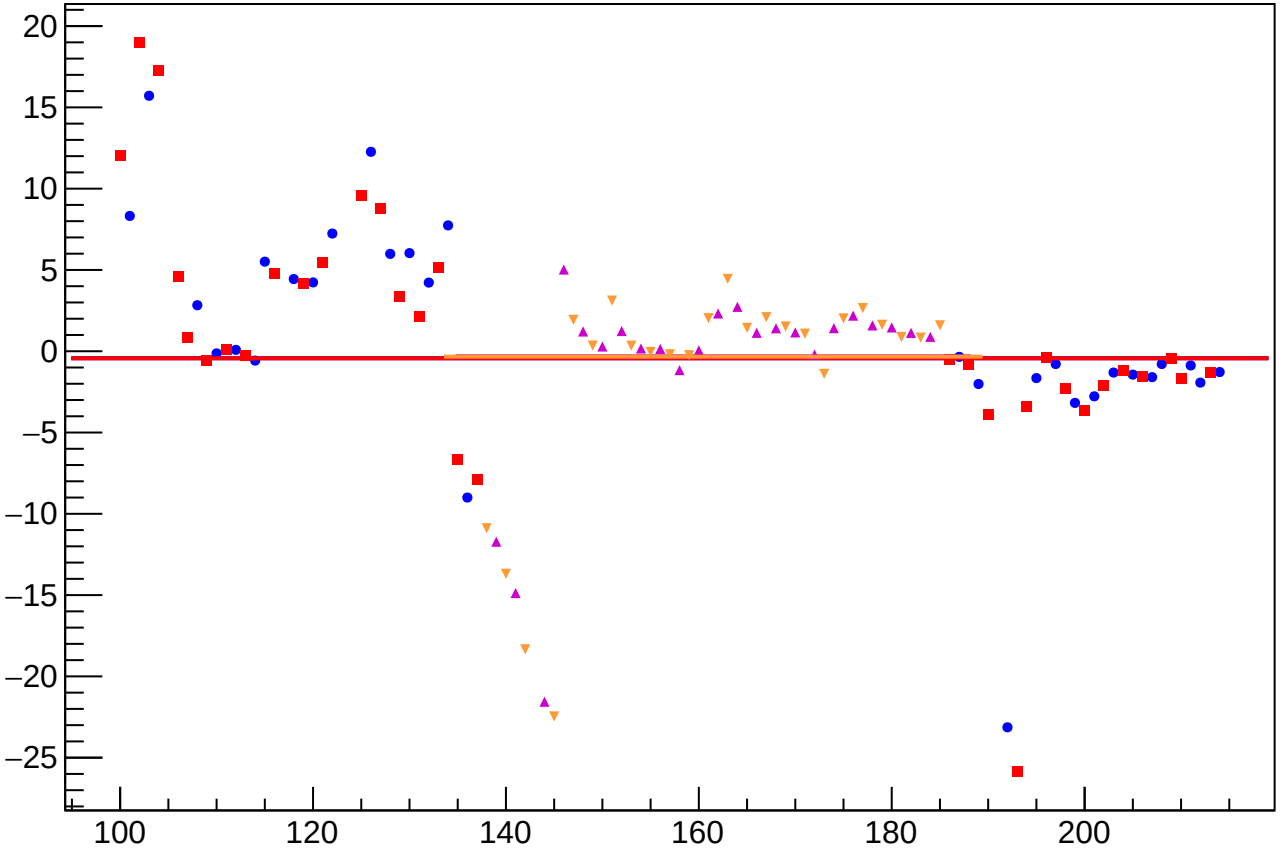
Right: 0.046+/-0.011 χ^2/NDF: 10944.8/61

In: 0.083+/-0.009 χ^2/NDF:12931.0/52

Out: 0.132+/-0.009 χ^2/NDF:9674.1/55

All: 0.107+/-0.006 χ^2/NDF: 22620.7/108

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

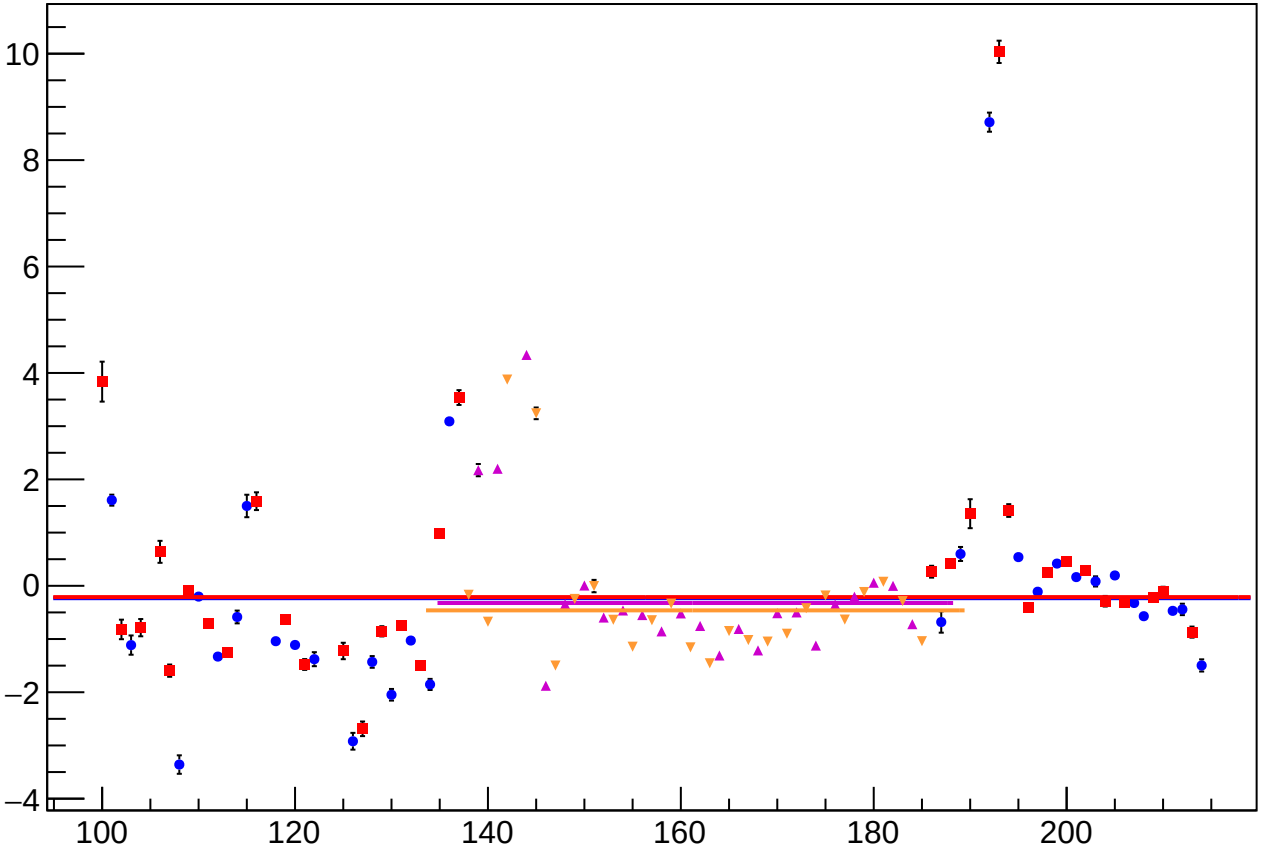
Right: -0.433+/-0.009 χ^2/NDF: 234091.5/61

In: -0.375+/-0.009 χ^2/NDF:245137.5/52

Out: -0.392+/-0.009 χ^2/NDF:240257.7/55

All: -0.384+/-0.006 χ^2/NDF: 485396.9/108

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

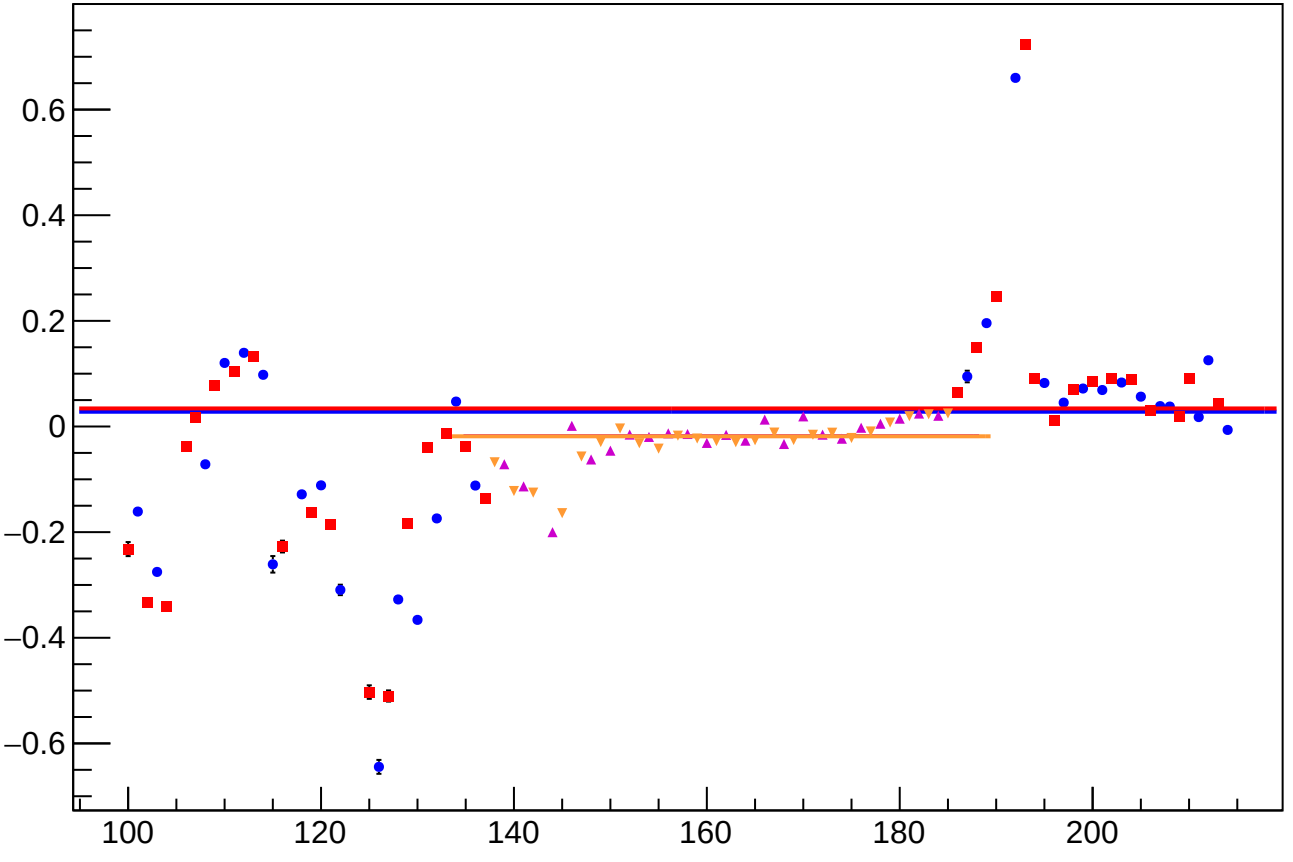
Right: -0.222+/-0.012 χ^2/NDF: 12907.1/61

In: -0.295+/-0.010 χ^2/NDF:14355.0/52

Out: -0.374+/-0.010 χ^2/NDF:10171.4/55

All: -0.333+/-0.007 χ^2/NDF: 24557.8/108

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

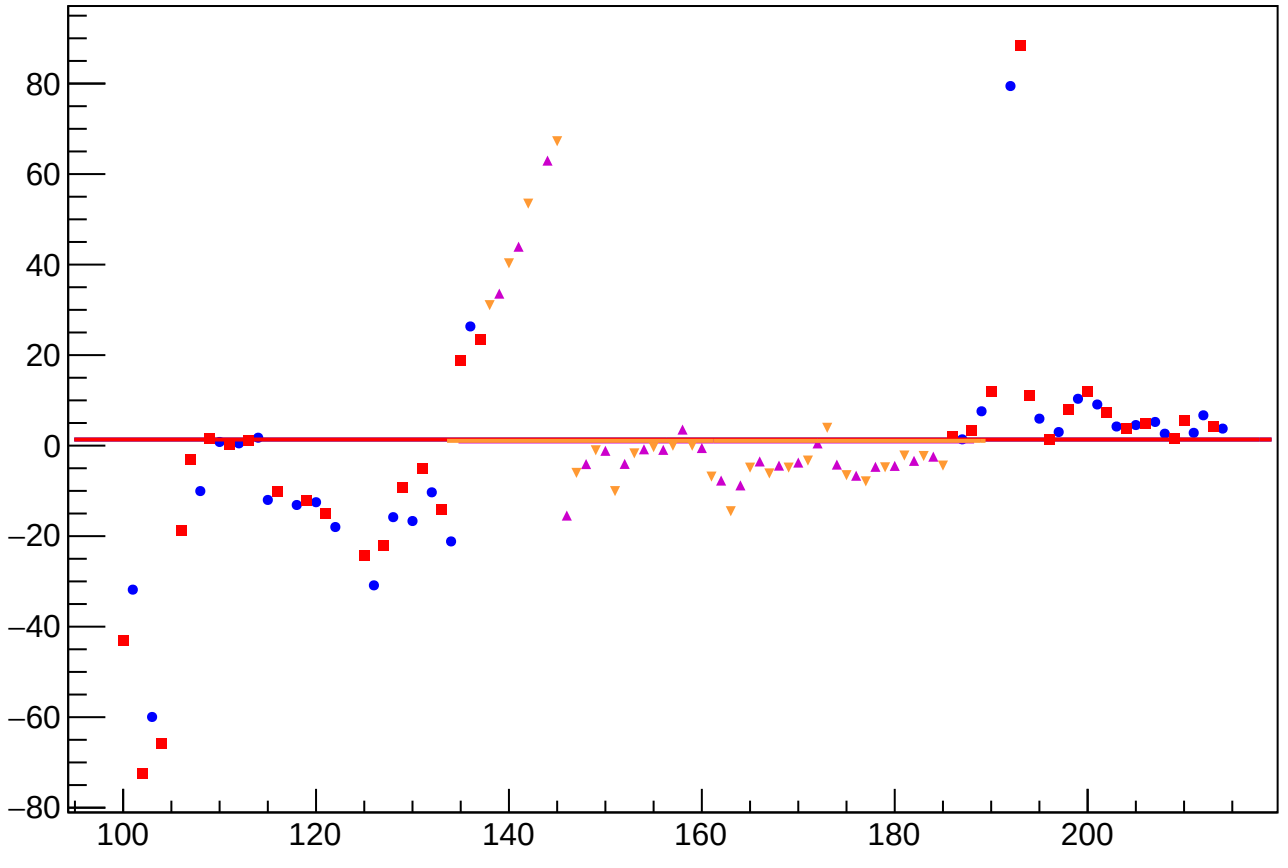
Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

Right: 0.031+/-0.001 χ^2/NDF: 67792.2/61

In: -0.004+/-0.000 χ^2/NDF:41475.3/52

Out: -0.001+/-0.000 χ^2/NDF:40903.9/55

All: -0.003+/-0.000 χ^2/NDF: 82408.0/108



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

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

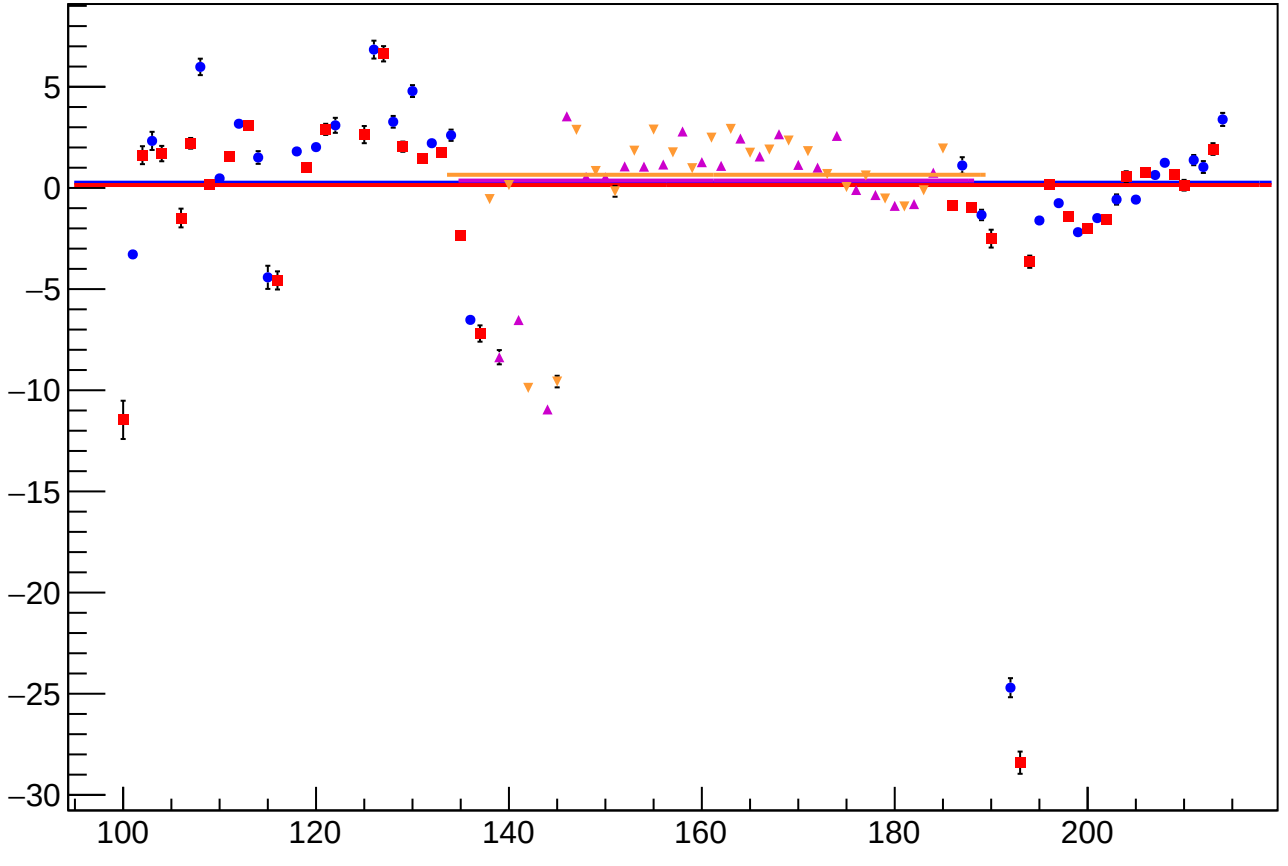
Right: 1.349+/-0.024 χ^2/NDF: 241557.1/61

In: 1.154+/-0.027 χ^2/NDF:254704.7/52

Out: 1.235+/-0.025 χ^2/NDF:250775.7/55

All: 1.197+/-0.018 χ^2/NDF: 505485.3/108

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

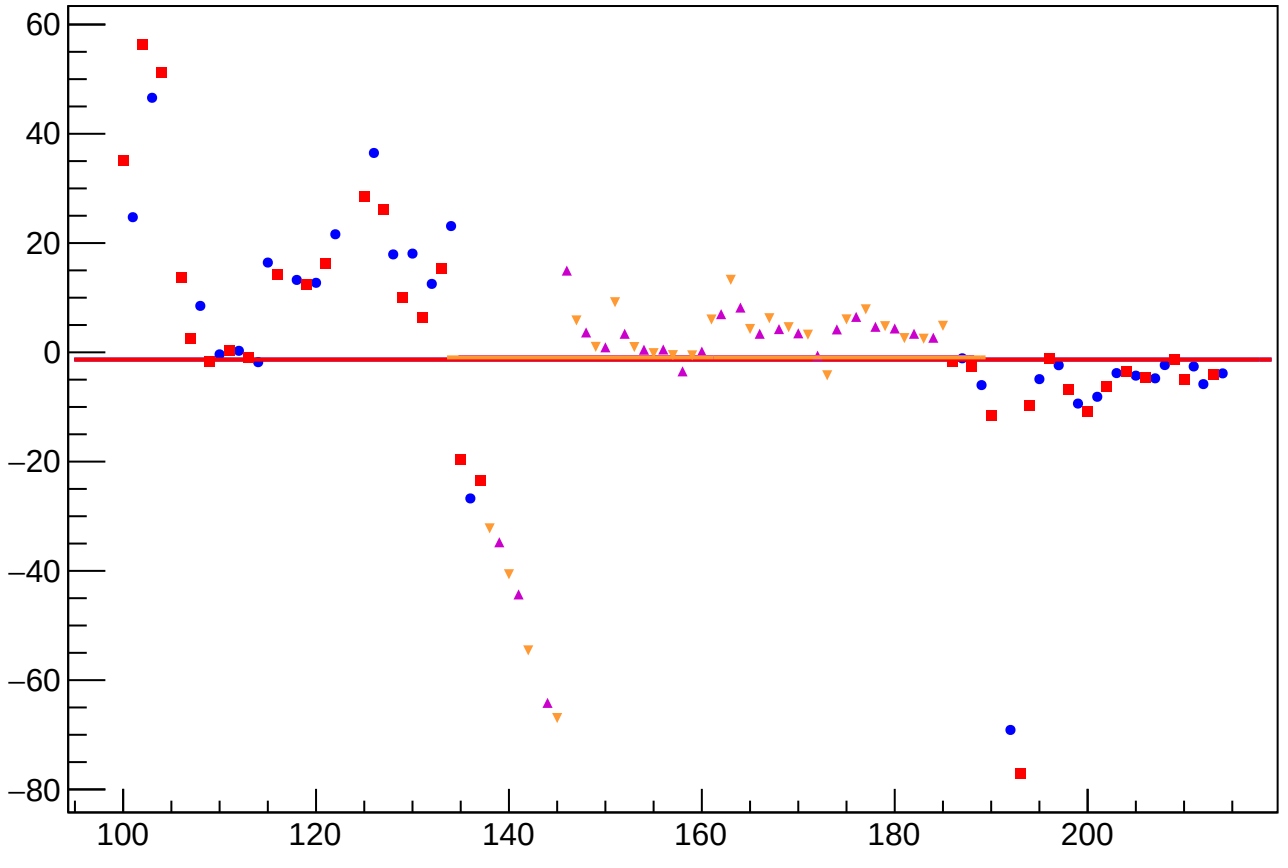
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.200+/-0.031 χ^2/NDF: 11162.3/61

In: 0.330+/-0.026 χ^2/NDF:13246.3/52

Out: 0.461+/-0.026 χ^2/NDF:9835.2/55

All: 0.394+/-0.018 χ^2/NDF: 23094.2/108



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

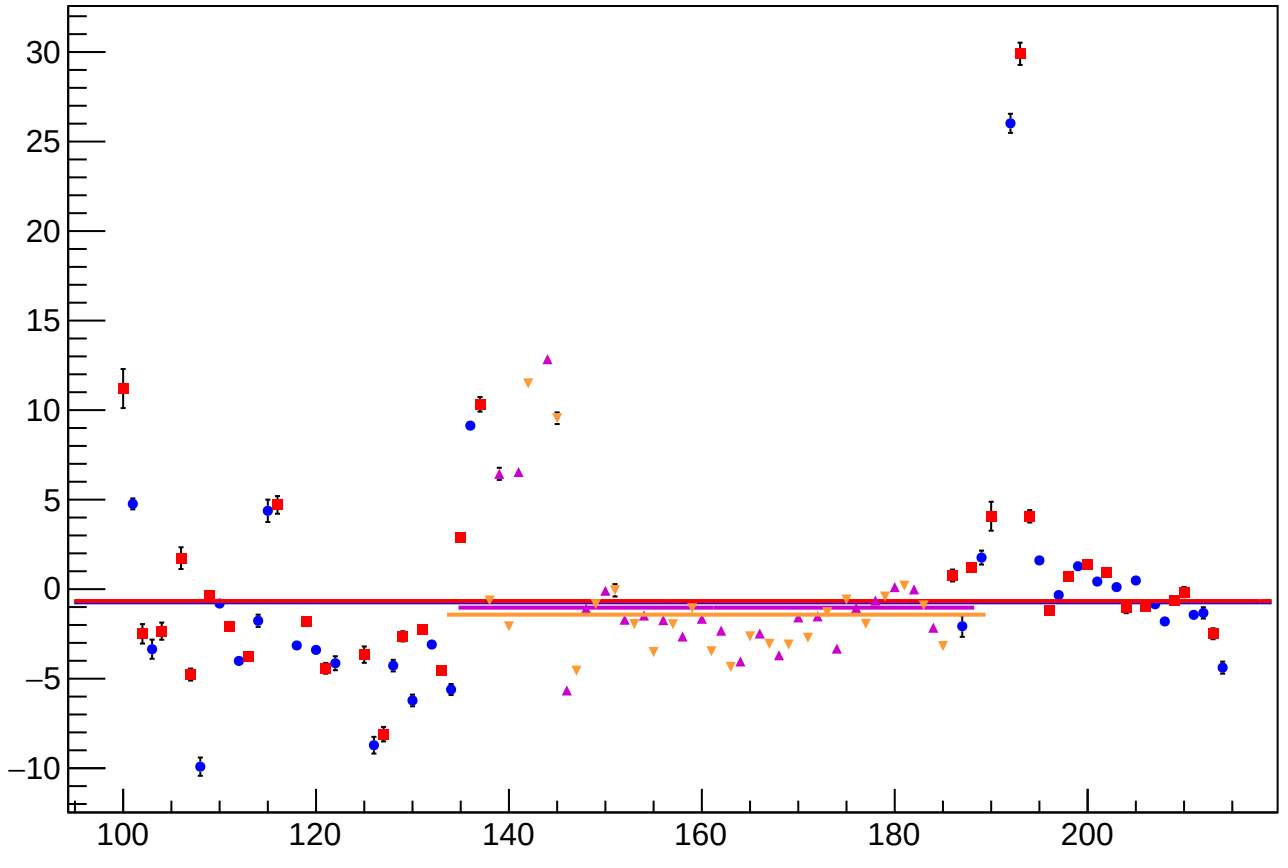
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: -1.326+/-0.025 χ^2/NDF: 238023.8/61

In: -1.104+/-0.027 χ^2/NDF:249748.3/52

Out: -1.161+/-0.026 χ^2/NDF:244258.3/55

All: -1.133+/-0.019 χ^2/NDF: 494008.8/108



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

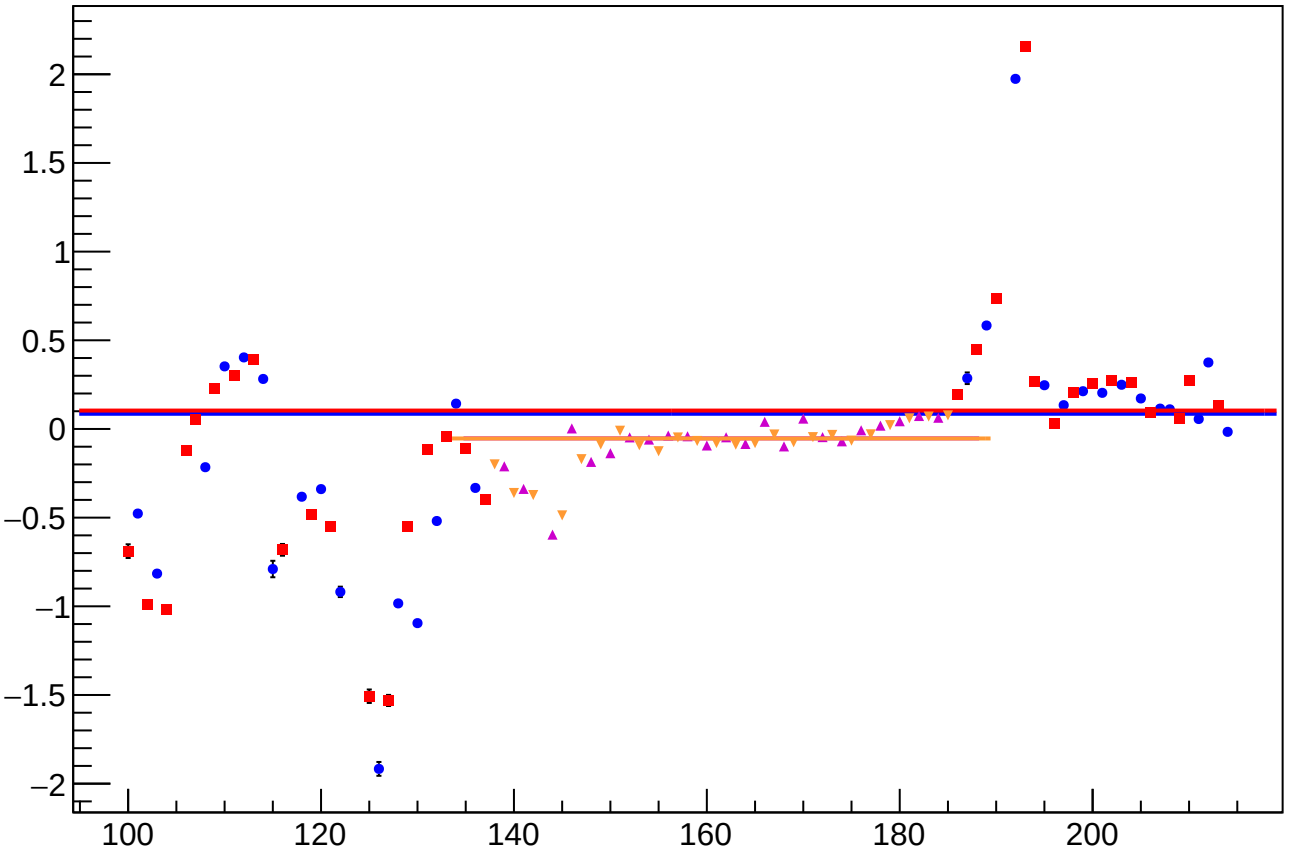
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -0.697+/-0.036 χ^2/NDF: 13156.3/61

In: -0.939+/-0.029 χ^2/NDF:14684.6/52

Out: -1.154+/-0.029 χ^2/NDF:10338.6/55

All: -1.044+/-0.021 χ^2/NDF: 25050.6/108



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

Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

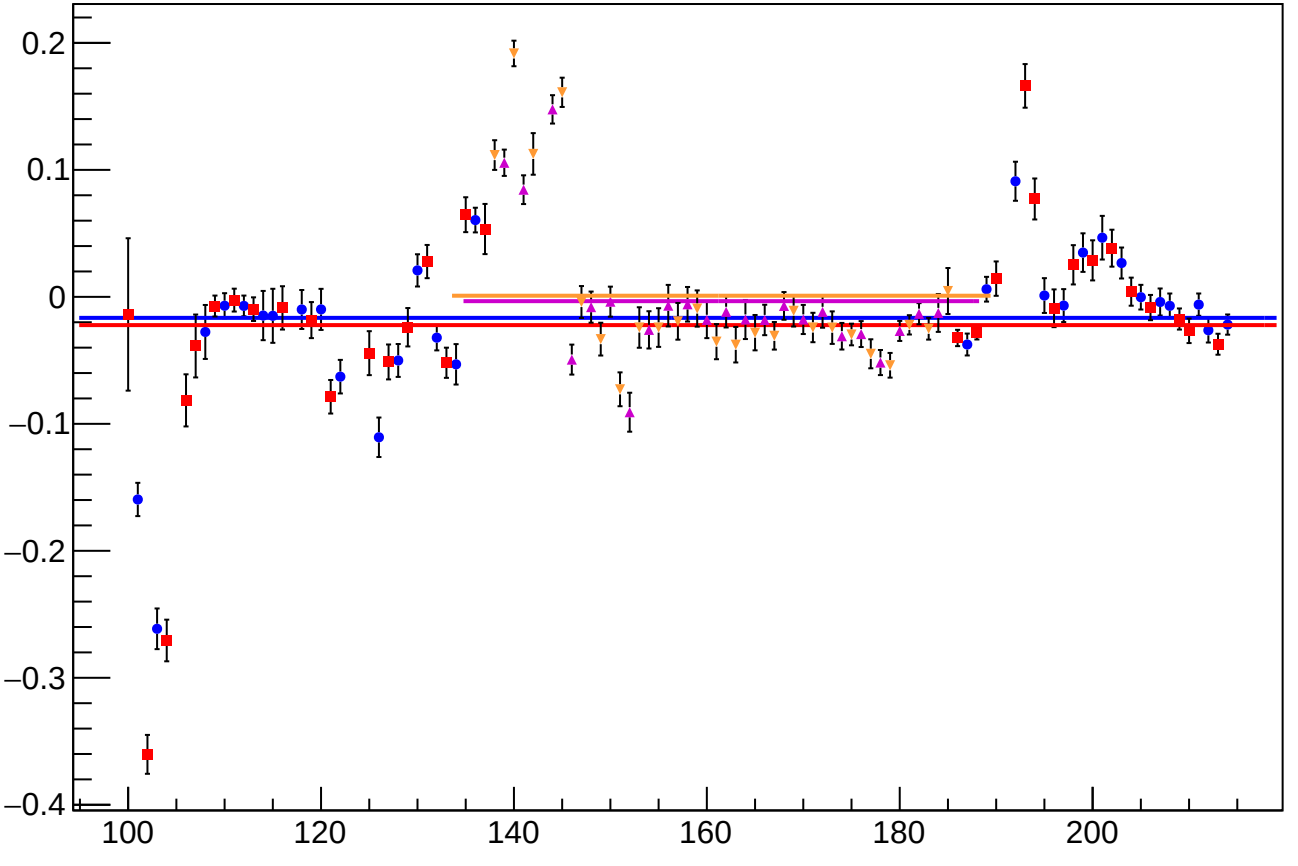
Right: 0.095+/-0.002 χ^2/NDF: 69040.3/61

In: -0.012+/-0.001 χ^2/NDF:42394.5/52

Out: -0.001+/-0.001 χ^2/NDF:41816.7/55

All: -0.007+/-0.001 χ^2/NDF: 84247.7/108

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

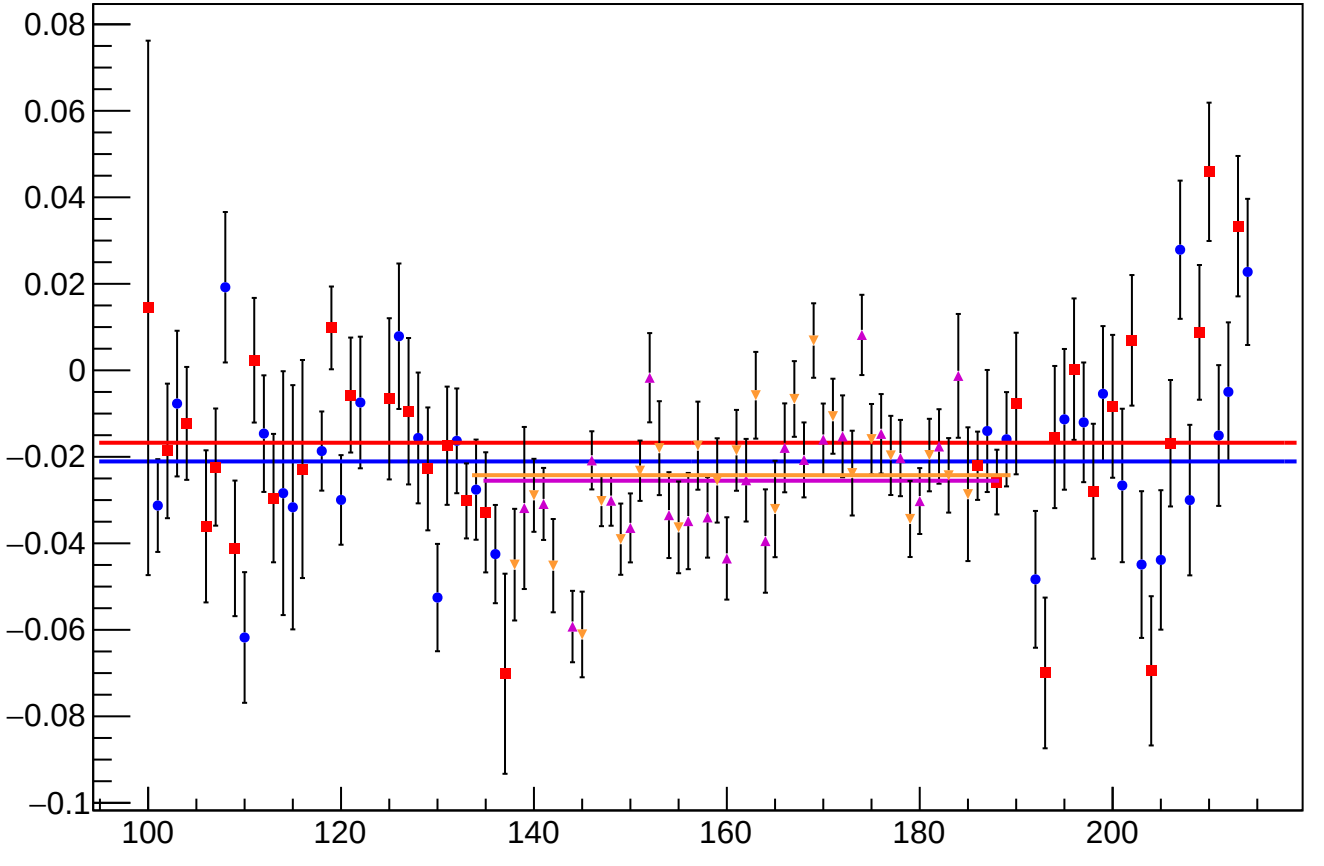
Right: -0.020+/-0.001 χ^2/NDF: 1656.9/61

In: -0.011+/-0.002 χ^2/NDF:1073.1/52

Out: -0.013+/-0.002 χ^2/NDF:1959.0/55

All: -0.012+/-0.001 χ^2/NDF: 3032.9/108

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

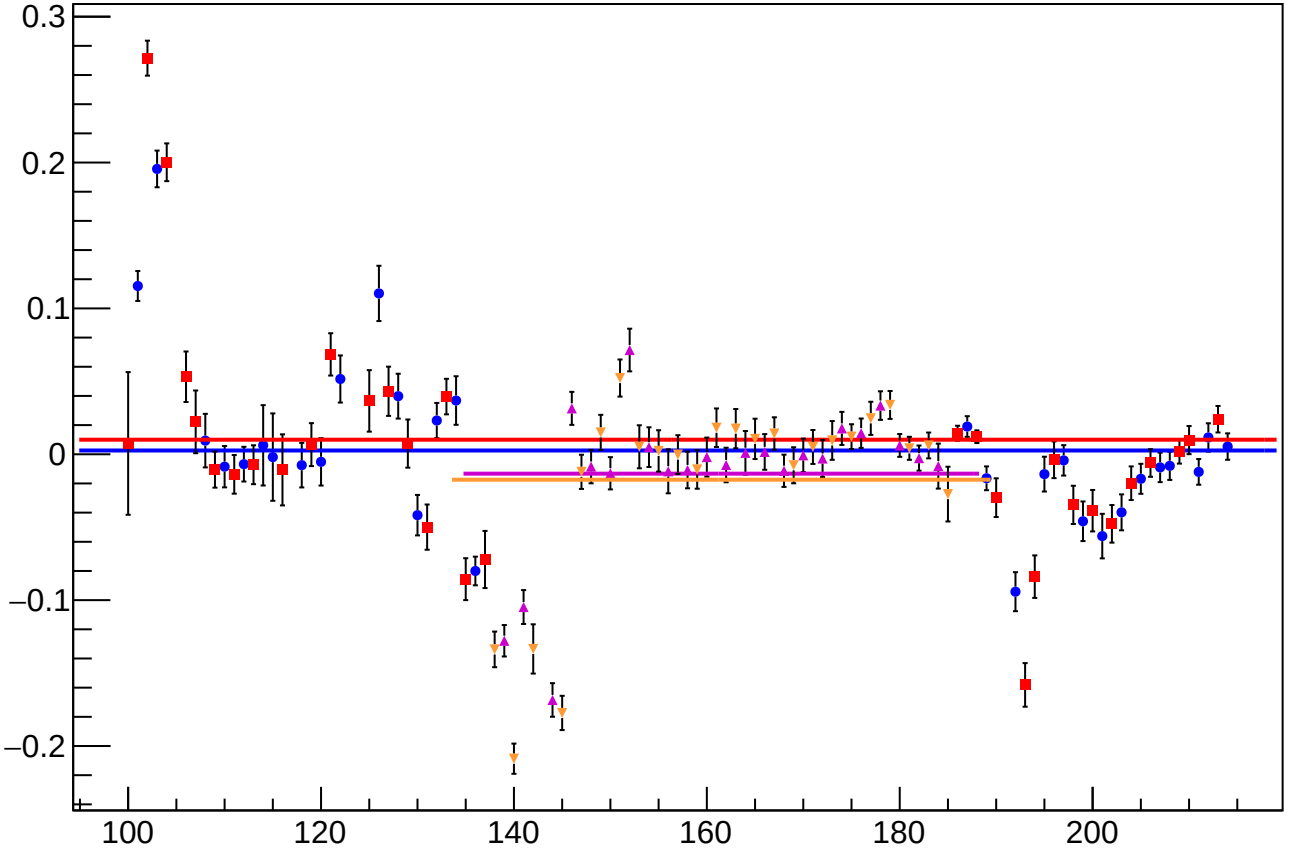
Right: -0.019+/-0.002 χ^2/NDF: 135.7/61

In: -0.024+/-0.002 χ^2/NDF:113.5/52

Out: -0.022+/-0.001 χ^2/NDF:137.4/55

All: -0.023+/-0.001 χ^2/NDF: 252.3/108

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.003+/-0.002 χ^2/NDF: 608.9/29

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.010+/-0.002 χ^2/NDF: 1046.4/31

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

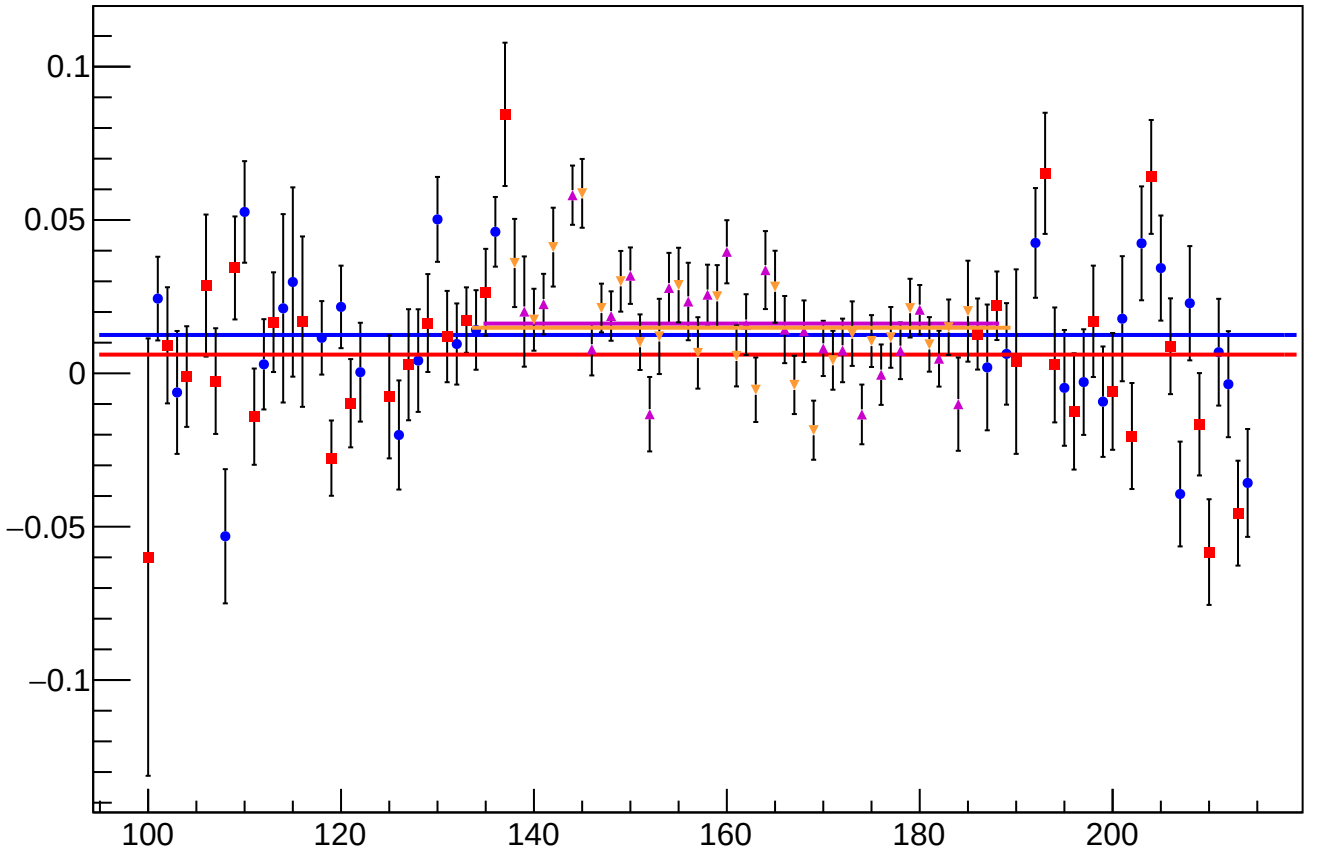
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.007+/-0.001 χ^2/NDF: 1661.8/61

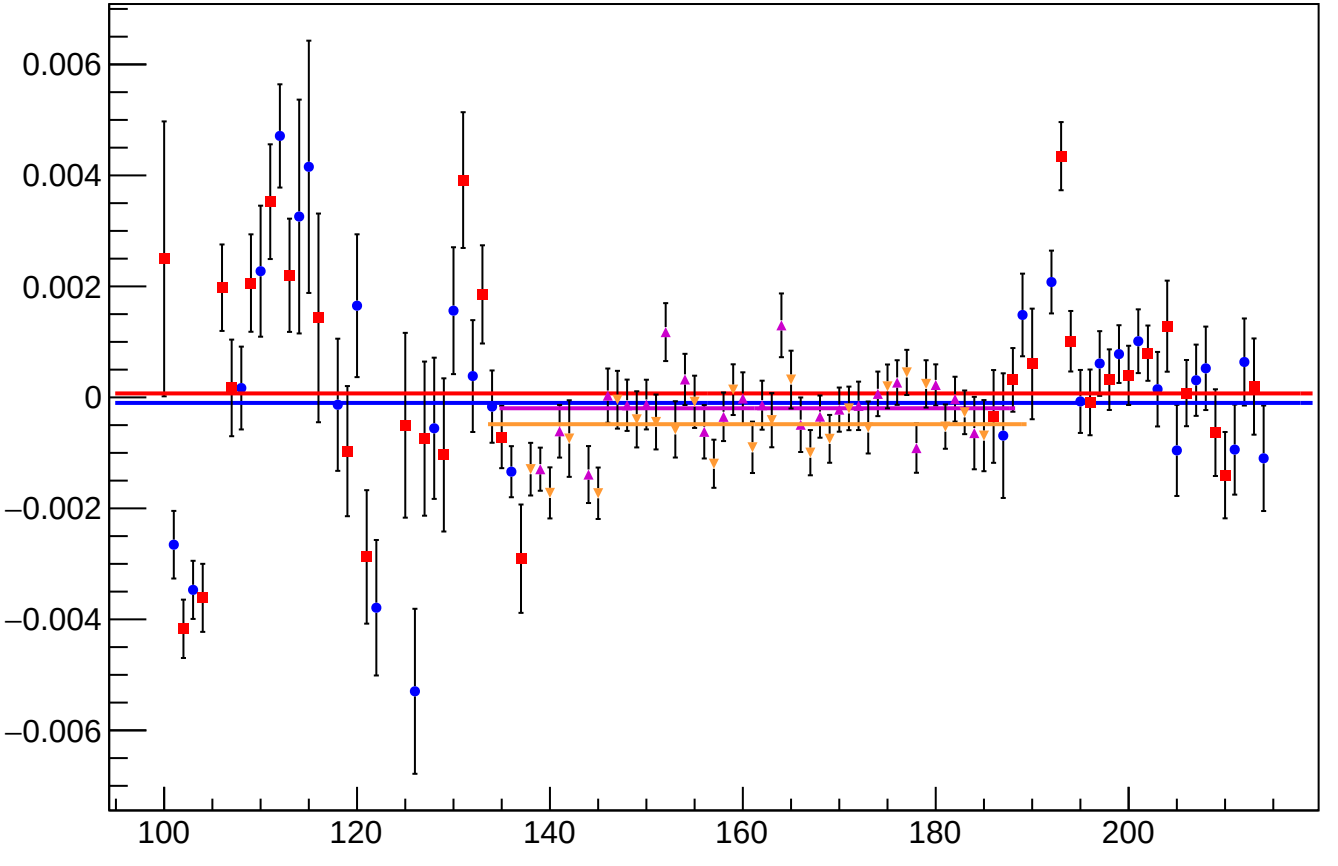
In: -0.005+/-0.002 χ^2/NDF:1092.0/52

Out: -0.001+/-0.002 χ^2/NDF:1937.6/55

All: -0.003+/-0.001 χ^2/NDF: 3032.0/108


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.013+/-0.003 χ²/NDF: 66.8/29
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.006+/-0.003 χ²/NDF: 81.8/31
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.009+/-0.002 χ²/NDF: 150.9/61
In: 0.015+/-0.002 χ²/NDF:125.8/52
Out: 0.012+/-0.002 χ²/NDF:139.7/55
All: 0.013+/-0.001 χ²/NDF: 267.2/108

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

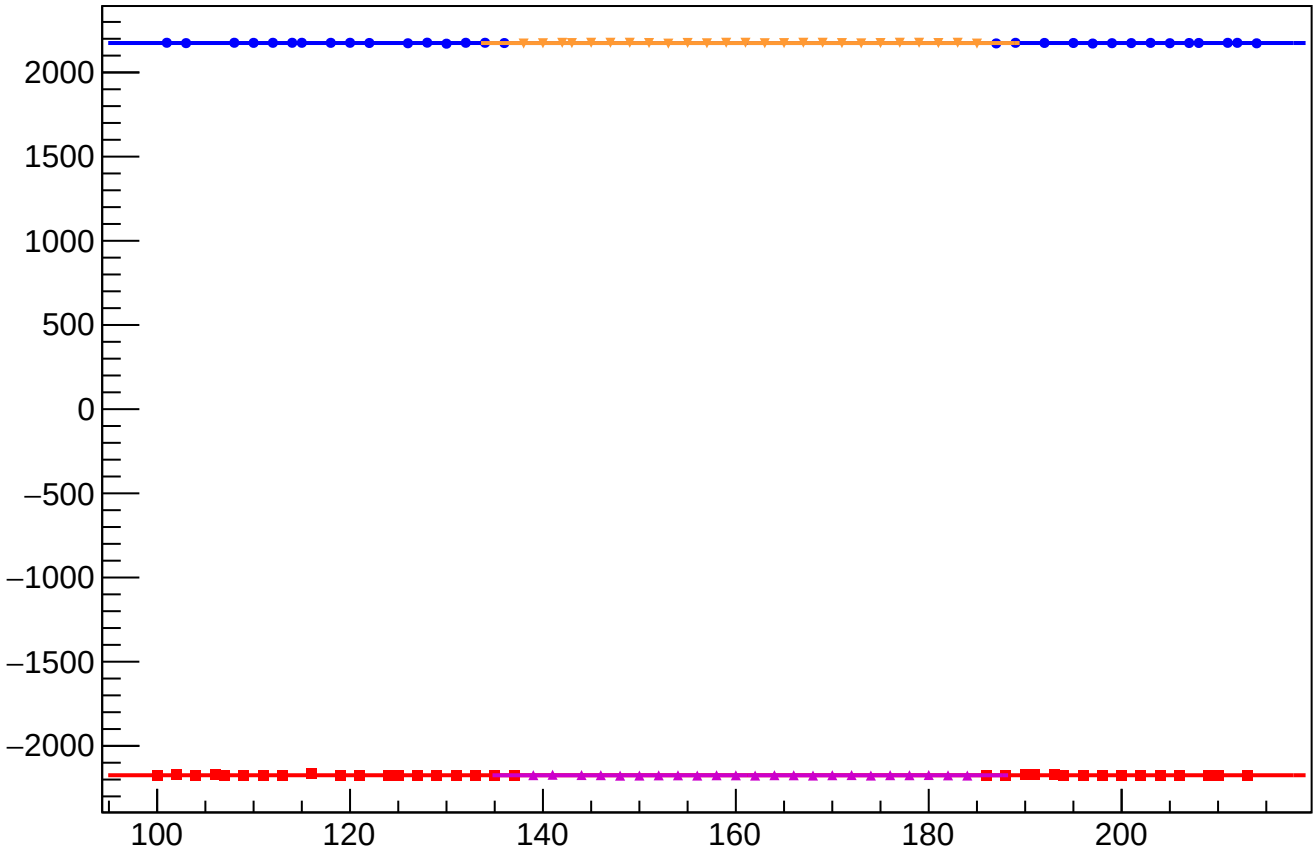
Right: -0.000+/-0.000 χ^2/NDF: 386.7/61

In: -0.000+/-0.000 χ^2/NDF:199.5/52

Out: -0.000+/-0.000 χ^2/NDF:276.3/55

All: -0.000+/-0.000 χ^2/NDF: 477.4/108

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.789+/-0.000 χ^2/NDF: 3670443958025847492586083905961984.0/29

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517l2.0/24

Right Out: -2174.376+/-0.000 χ^2/NDF: 10208363710973137032566068880605184.0/33

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638l5729152.0/22

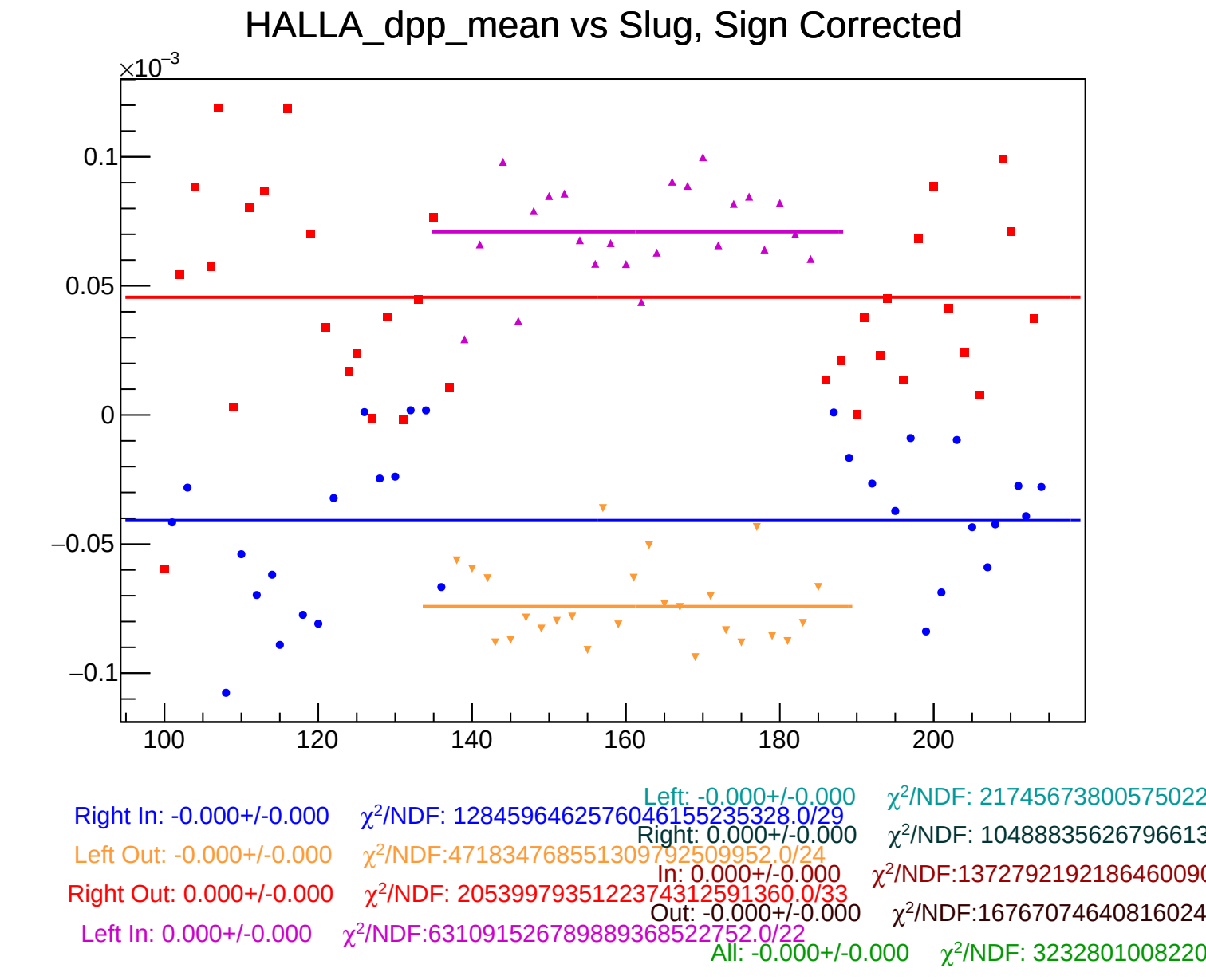
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -43.524+/-0.000 χ^2/NDF: 180993007816794

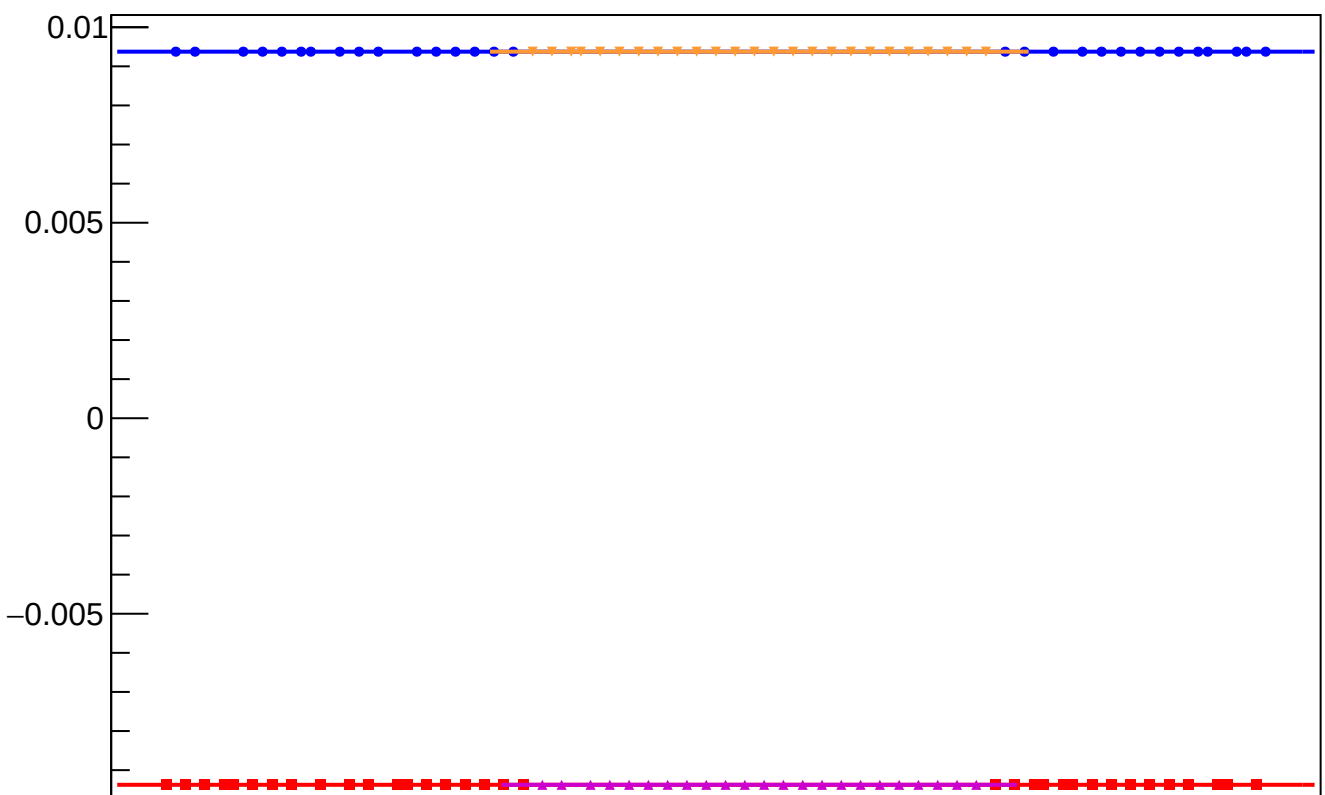
In: -17.142+/-0.000 χ^2/NDF:17884853842628355

Out: 35.727+/-0.000 χ^2/NDF:18771822078255304

All: 9.937+/-0.000 χ^2/NDF: 3666209042119


HALLA_dpp_mean vs Slug, Sign Corrected
×10^−3
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 1284596462576046155235328.0/29
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: 0.000+/-0.000 χ²/NDF: 205399793512237431259136 0.0/33
Left In: 0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
Left: -0.000+/-0.000 χ²/NDF: 21745673800575022
Right: 0.000+/-0.000 χ²/NDF: 1048883562679661
In: 0.000+/-0.000 χ²/NDF:137279219218646090
Out: -0.000+/-0.000 χ²/NDF:16767074640816024
All: -0.000+/-0.000 χ²/NDF: 3232801008220

MQ171LM_mean vs Slug, Sign Corrected



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

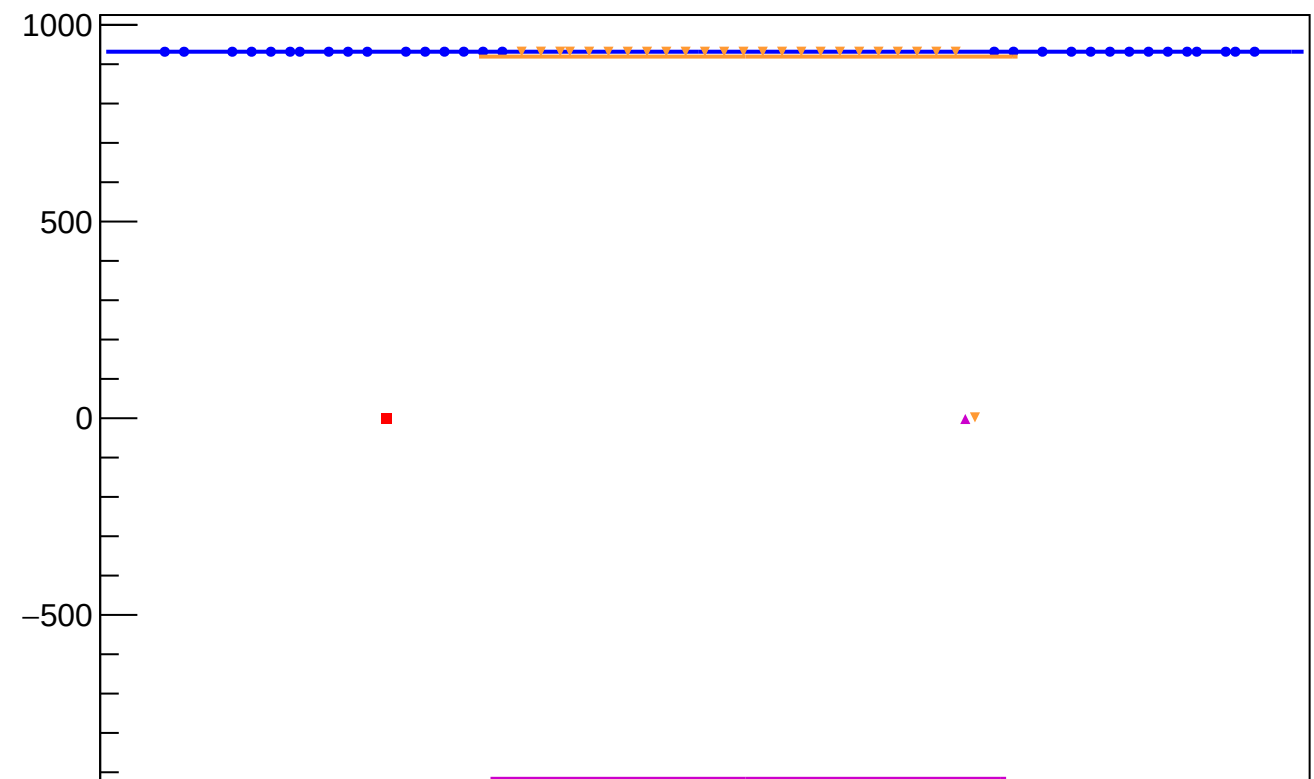
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 33639710923217460

In: -0.000+/-0.000 χ^2/NDF:332381428476995425

Out: 0.000+/-0.000 χ^2/NDF:348920159437168366

All: 0.000+/-0.000 χ^2/NDF: 68140212861150



Right In: 931.778+/-0.000 χ^2/NDF: 342139398287248267717532817817 6.0/29

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -924.622+/-0.000 χ^2/NDF: 1292226813844385539688097512272429 0560.0/33

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

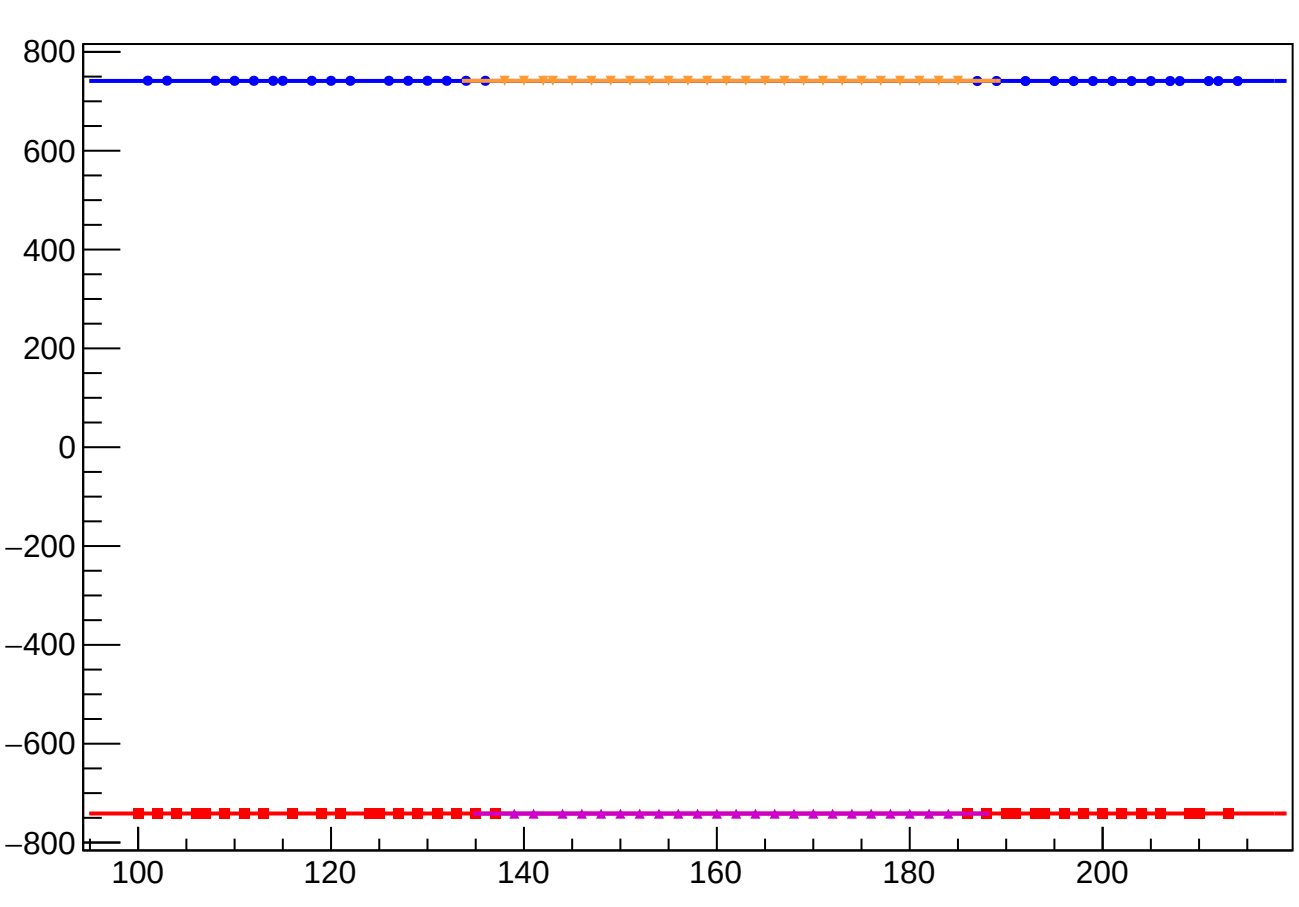
Left: 27.548+/-0.000 χ^2/NDF: 335355180821936 32

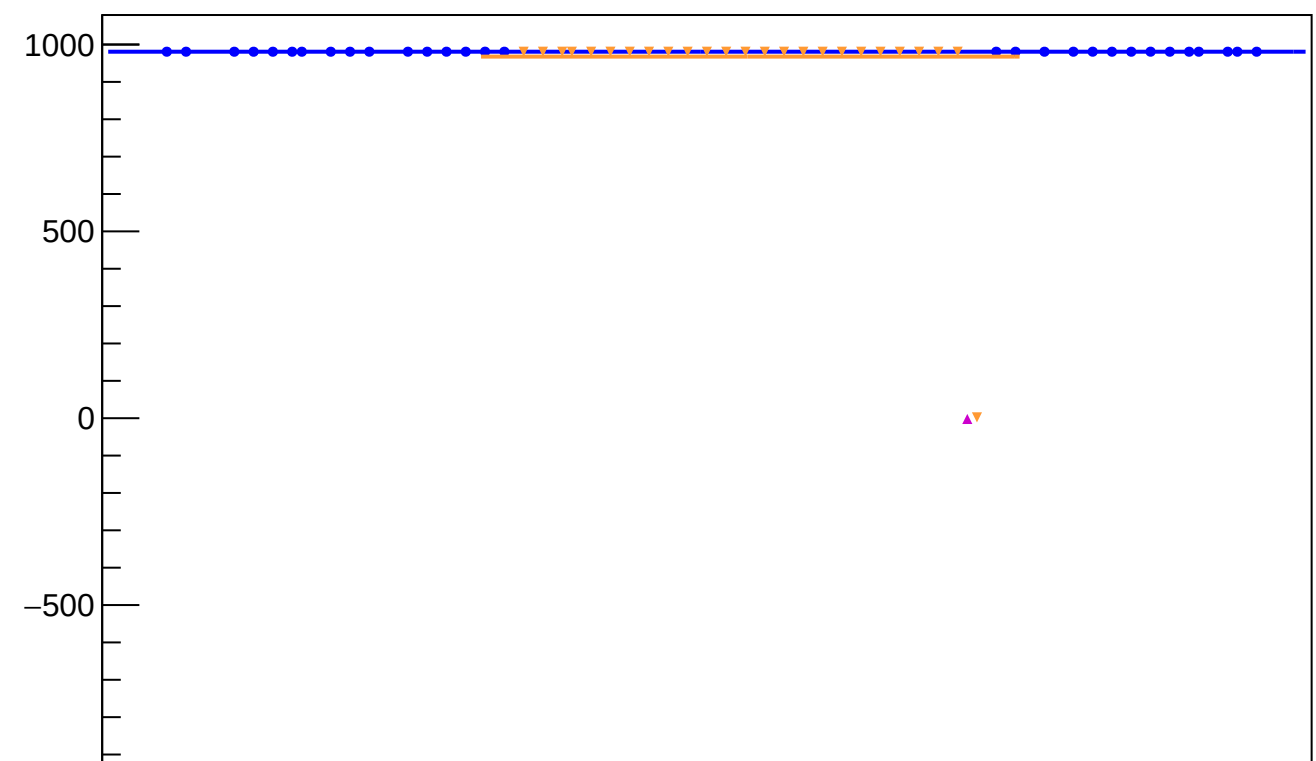
Right: -15.088+/-0.000 χ^2/NDF: 33104833988403 15

In: 0.231+/-0.000 χ^2/NDF:3256657191368332561

Out: 12.454+/-0.000 χ^2/NDF:34106115409140270

All: 6.491+/-0.000 χ^2/NDF: 6667558168166 1


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: 741.245+/-0.000 χ²/NDF: 13585837609485932225898886044057 6.0/29
Left Out: 741.513+/-0.000 χ²/NDF:2519763107681262962318896005 12.0/24
Right Out: -741.253+/-0.000 χ²/NDF: 14139317929638977581820596872 8064.0/33
Left In: -741.513+/-0.000 χ²/NDF:23470398303008542318589588 2752.0/22
Left: 21.165+/-0.000 χ²/NDF: 2155819118342563
Right: -14.910+/-0.000 χ²/NDF: 210299639317835
In: -6.014+/-0.000 χ²/NDF:207861848050190271
Out: 12.265+/-0.000 χ²/NDF:2182071830658125
All: 3.348+/-0.000 χ²/NDF: 4261337582374



Right In: 980.803+/-0.000 χ^2/NDF: 19295301452646745841970834309120.0/29

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

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

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

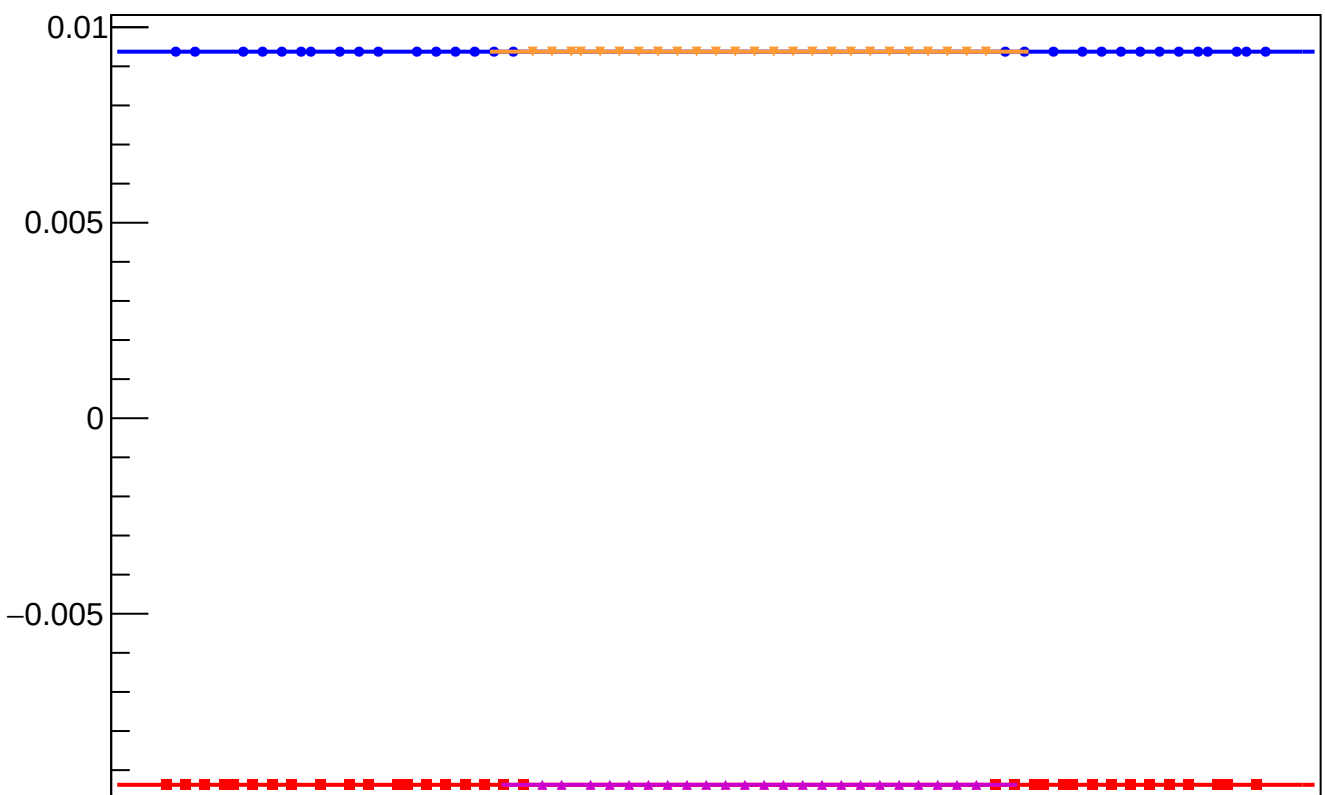
Right: -19.711+/-0.000 χ^2/NDF: 368182436251328

In: 0.258+/-0.000 χ^2/NDF:360825942749520485 4

Out: 9.395+/-0.000 χ^2/NDF:37934521828375040 0

All: 4.938+/-0.000 χ^2/NDF: 7401873345439 4

MQ172RM_mean vs Slug, Sign Corrected



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

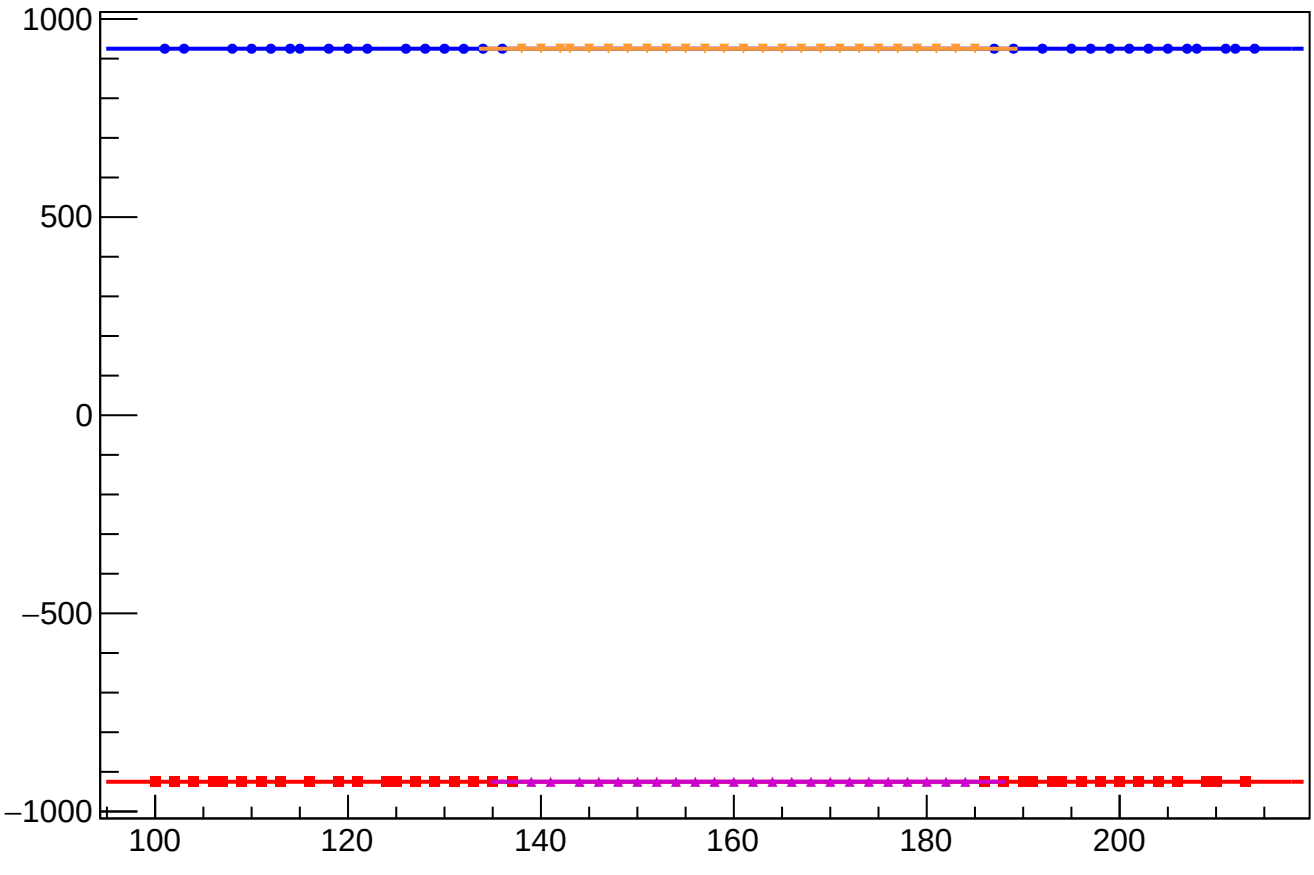
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

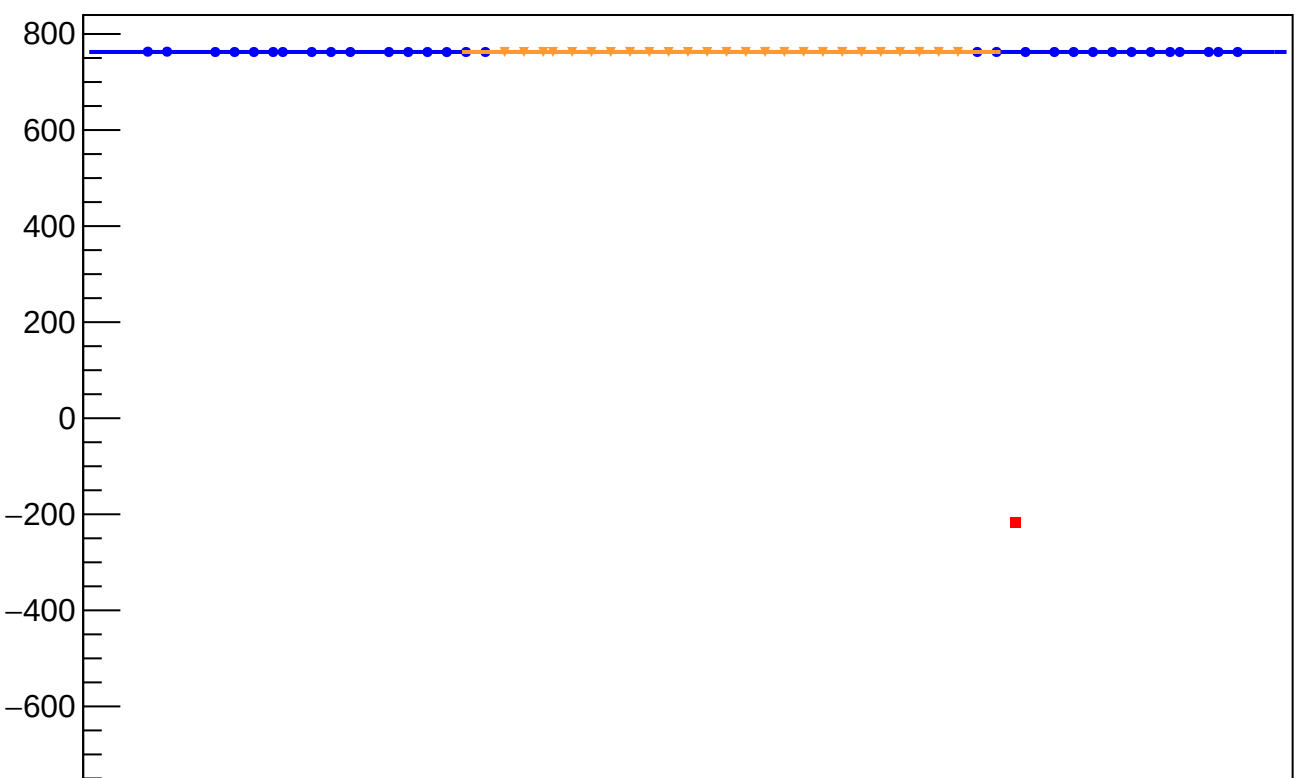
Right: -0.000+/-0.000 χ^2/NDF: 33639710923217460

In: -0.000+/-0.000 χ^2/NDF:332381428476995425

Out: 0.000+/-0.000 χ^2/NDF:348920159437168366

All: 0.000+/-0.000 χ^2/NDF: 68140212861150


HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 924.996+/-0.000 χ²/NDF: 376846676711474772853307054489 6.0/29
Left Out: 924.983+/-0.000 χ²/NDF:1161112698344246137667167715328.0/24
Right Out: -924.996+/-0.000 χ²/NDF: 19854411443177646692396192235 52.0/33
Left In: -924.983+/-0.000 χ²/NDF:92827030718158770136834847539 2.0/22
Left: 26.401+/-0.000 χ²/NDF: 3354615142636374
Right: -18.602+/-0.000 χ²/NDF: 3274836313380089
In: -7.331+/-0.000 χ²/NDF:32356963979836985 6
Out: 15.134+/-0.000 χ²/NDF:3396702325580067 0
All: 4.176+/-0.000 χ²/NDF: 6633763417113



Right In: 762.569+/-0.000 χ^2/NDF: 554549085927778968441121480376 32.0/29

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -755.591+/-0.000 χ^2/NDF: 7344181242626248421268235447082942464.0/33

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

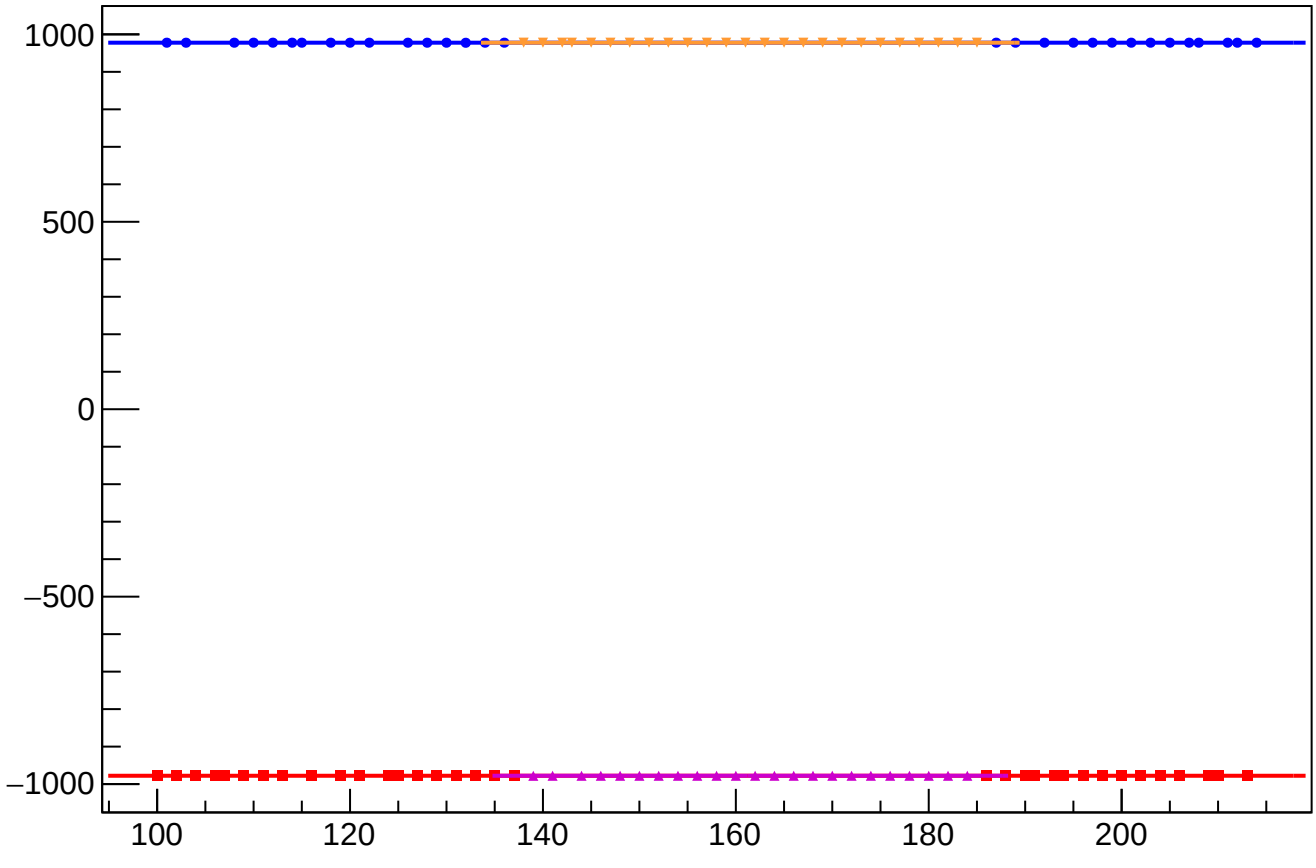
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -11.776+/-0.000 χ^2/NDF: 2212730711544810

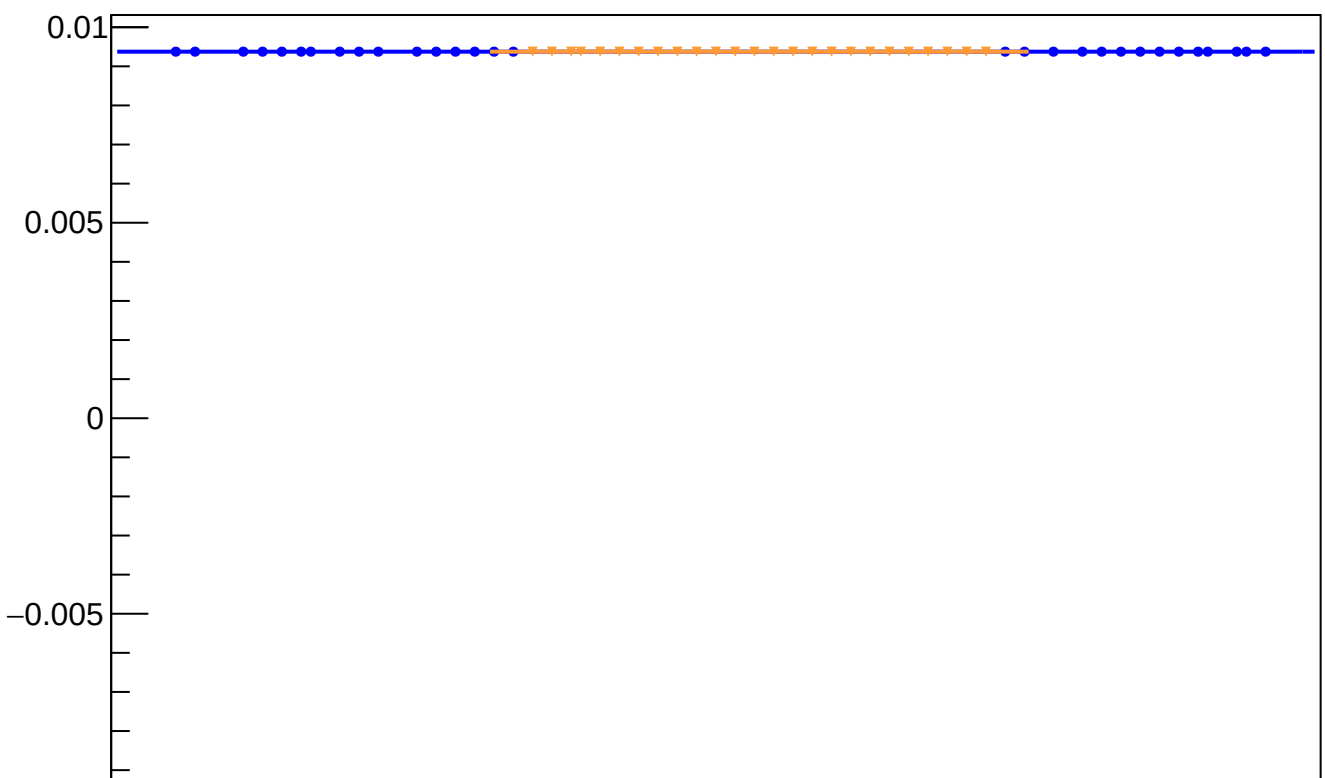
In: -6.024+/-0.000 χ^2/NDF:219899174911641178

Out: 15.888+/-0.000 χ^2/NDF:22946791352049477

All: 5.199+/-0.000 χ^2/NDF: 4494600957679 6


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
Left: 27.908+/-0.000 χ²/NDF: 37481642757083146
Right In: 977.760+/-0.000 χ²/NDF: 22236161806118250266972504719360/29
Right: -19.661+/-0.000 χ²/NDF: 365909285206383
Left Out: 977.738+/-0.000 χ²/NDF:1178407872566336572325000904704.0/24
In: -7.743+/-0.000 χ²/NDF:361532993929802840
Right Out: -977.758+/-0.000 χ²/NDF: 2862573103418433026441355460608.0/33
Out: 15.994+/-0.000 χ²/NDF:37952209360436983
Left In: -977.735+/-0.000 χ²/NDF:109676643760541725462707254067 2.0/22
All: 4.415+/-0.000 χ²/NDF: 7411642373251

hesDipole_current_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

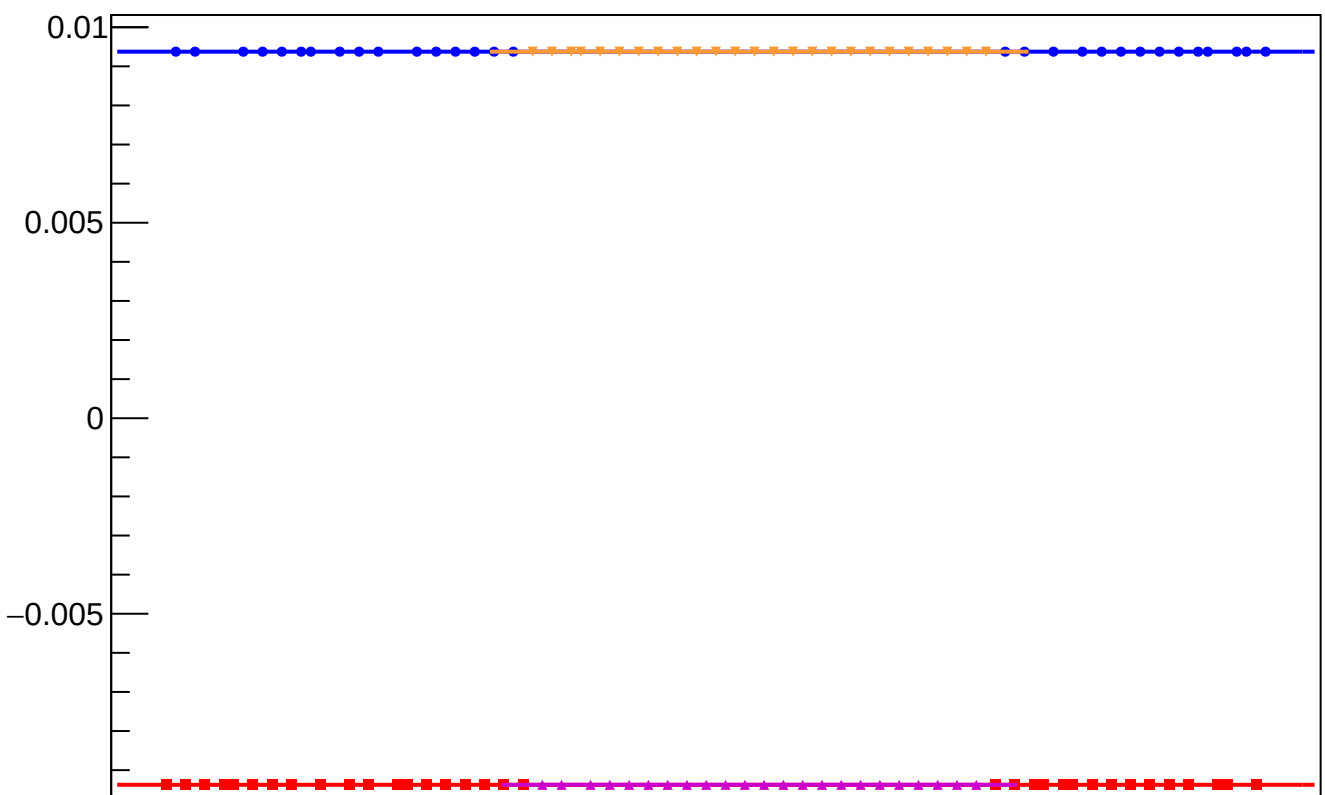
Right: -0.000+/-0.000 χ^2/NDF: 33639710923217460

In: -0.000+/-0.000 χ^2/NDF:332381428476995425

Out: 0.000+/-0.000 χ^2/NDF:348920159437168366

All: 0.000+/-0.000 χ^2/NDF: 68140212861150

MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

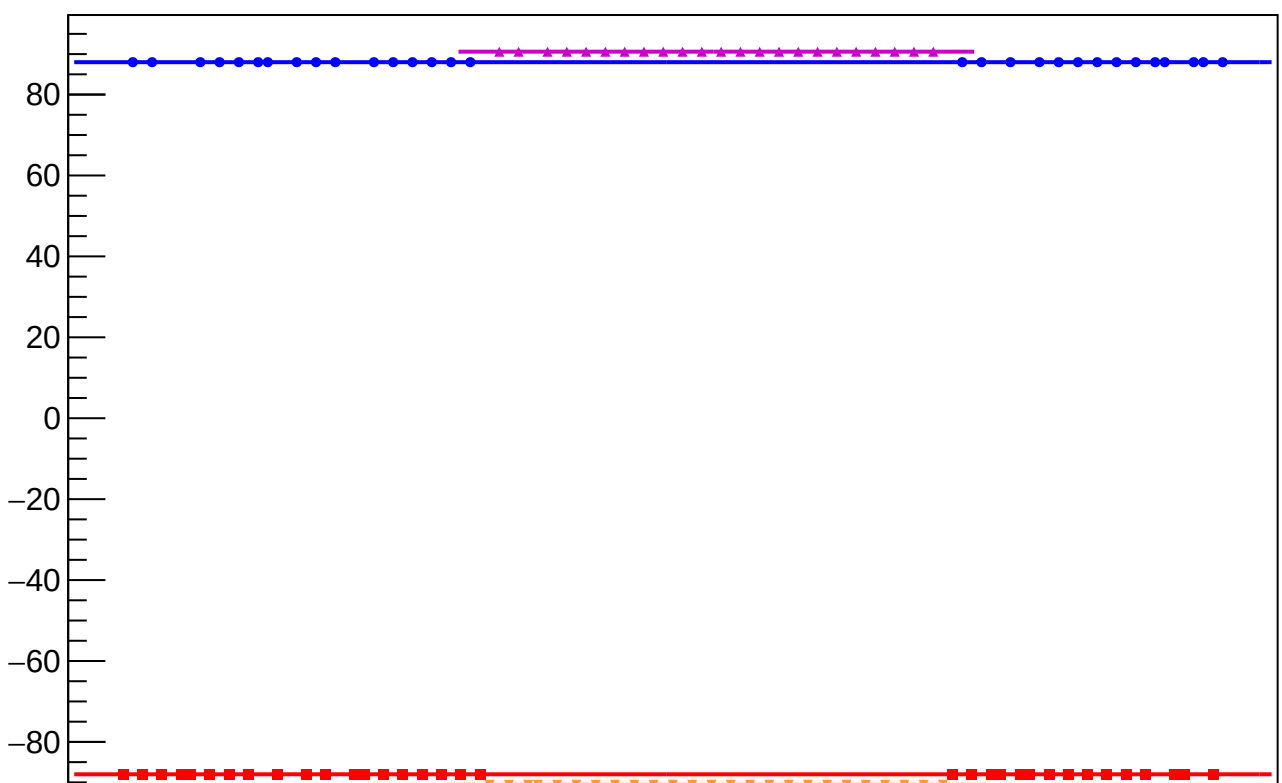
Right: -0.000+/-0.000 χ^2/NDF: 33639710923217460

In: -0.000+/-0.000 χ^2/NDF:332381428476995425

Out: 0.000+/-0.000 χ^2/NDF:348920159437168366

All: 0.000+/-0.000 χ^2/NDF: 681402128611500

VWienAngle_mean vs Slug, Sign Corrected



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: 7662537552162403584855297228 8.0/33

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

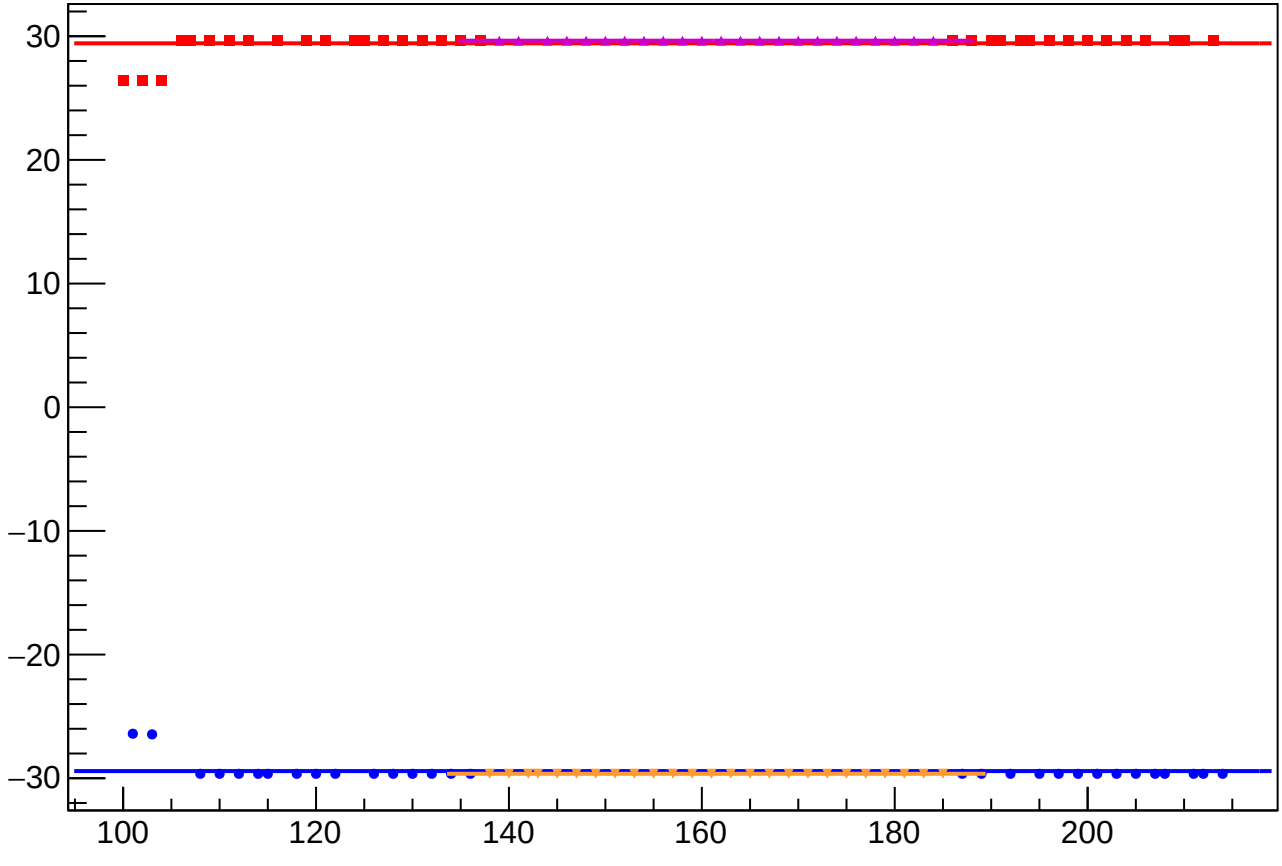
Right: -1.770+/-0.000 χ^2/NDF: 2964061432716193

In: 89.310+/-0.000 χ^2/NDF:638426616776712122

Out: -89.322+/-0.000 χ^2/NDF:6696565751364315

All: -2.183+/-0.000 χ^2/NDF: 6182476893320

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.421+/-0.000 χ^2/NDF: 12326106089552239514860631202201600.0/29

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.427+/-0.000 χ^2/NDF: 126474310783410160495987058016256O.0/33

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

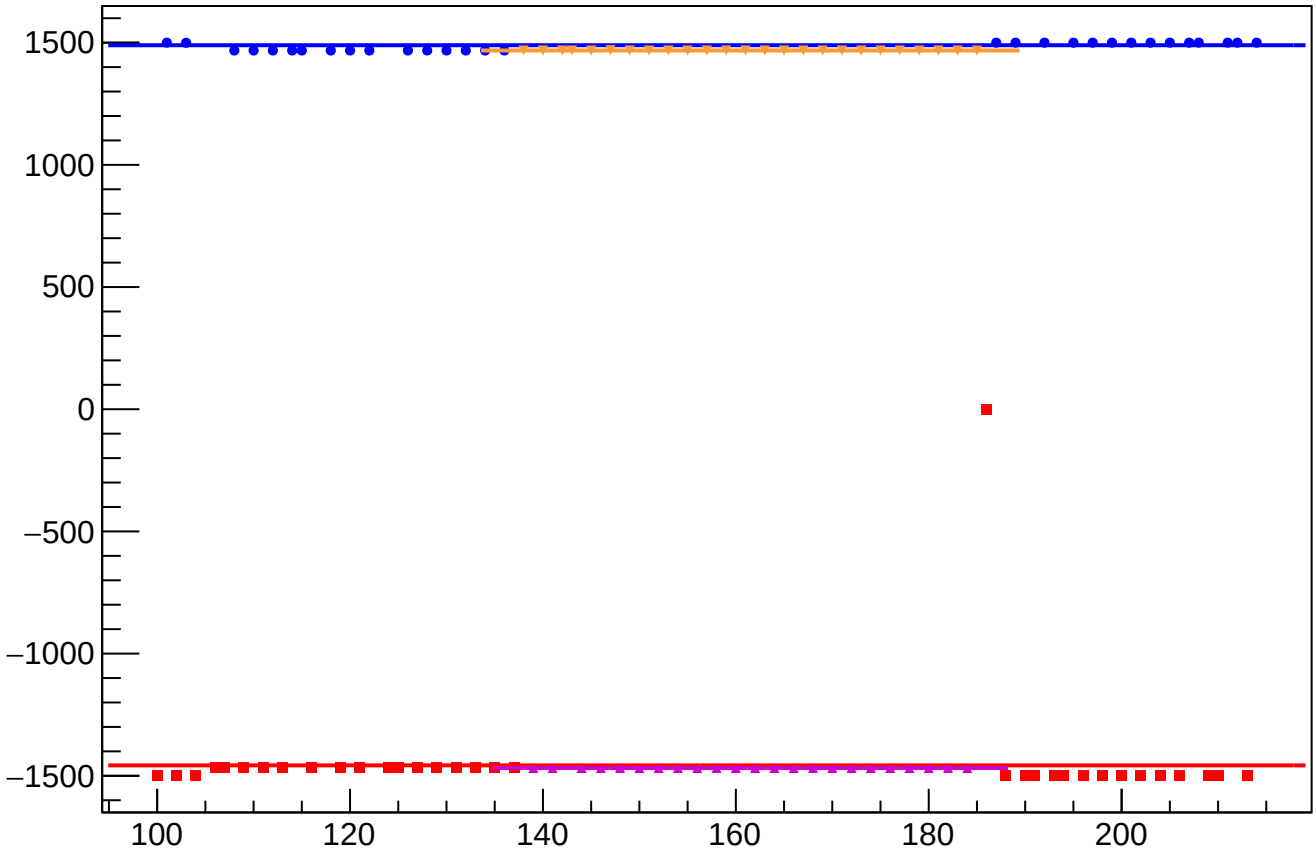
Right: 0.594+/-0.000 χ^2/NDF: 33162034166200831

In: 0.344+/-0.000 χ^2/NDF:3299239003116669678

Out: -0.590+/-0.000 χ^2/NDF:34639991632797193

All: -0.135+/-0.000 χ^2/NDF: 6764929275597

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1489.520+/-0.000 χ^2/NDF: 42251263033028906766522588247307O592.0/29

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1457.348+/-0.000 χ^2/NDF: 915959501565299641383480478583299768320/33

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

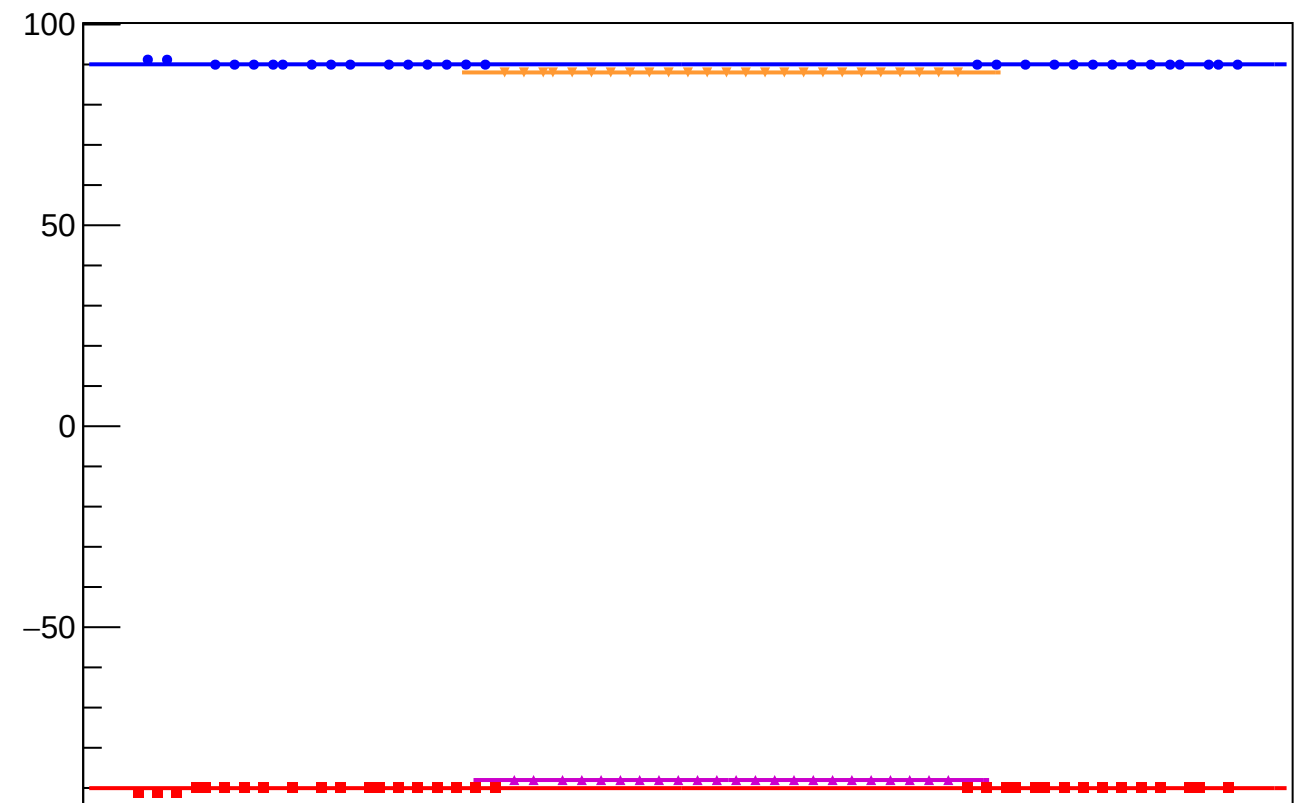
Right: -13.544+/-0.000 χ^2/NDF: 840144604834770

In: -0.967+/-0.000 χ^2/NDF:827008540001650316

Out: 29.294+/-0.000 χ^2/NDF:8585229829343589

All: 14.532+/-0.000 χ^2/NDF: 1685708901683

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.044+/-0.000 χ^2/NDF: 1804379903927645894011533320519 68.0/29

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.041+/-0.000 χ^2/NDF: 1852489142857406545983255473029 12.0/33

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238 48

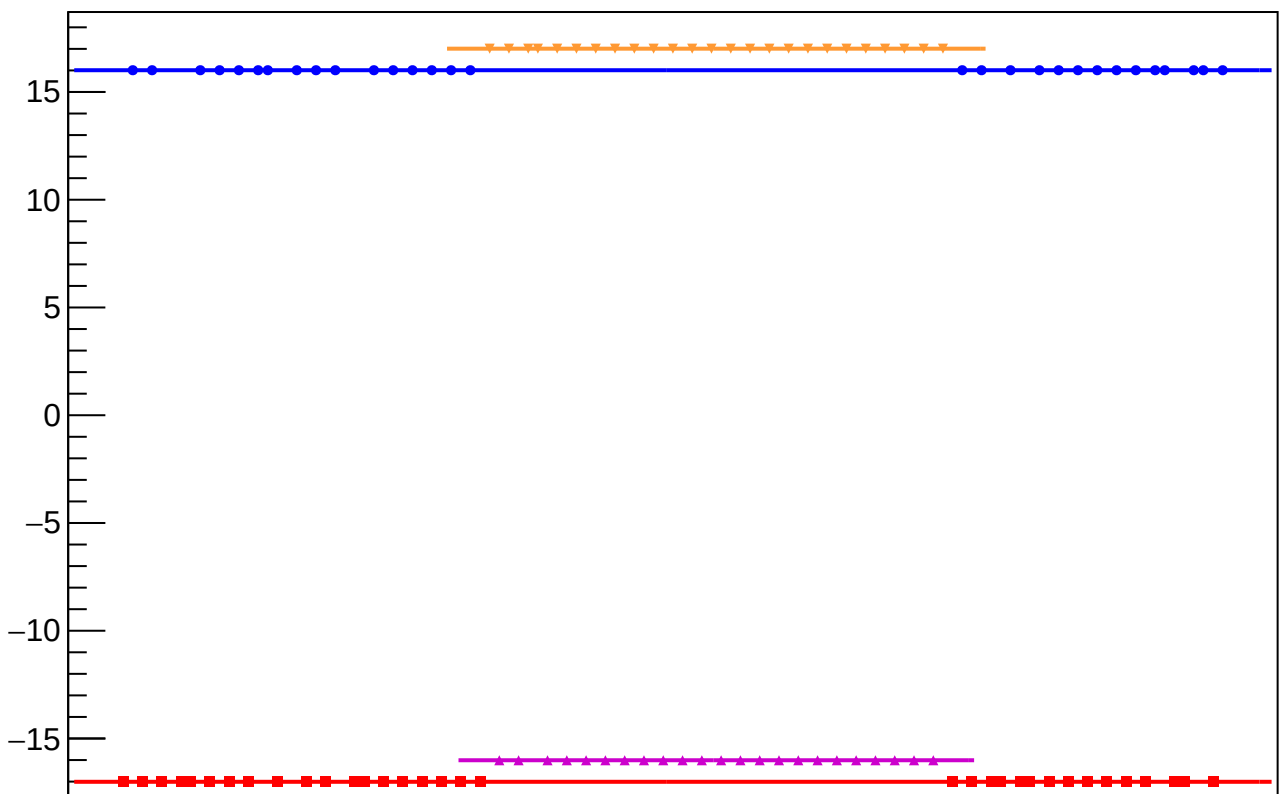
Right: -1.810+/-0.000 χ^2/NDF: 3103194575438731 5

In: 0.305+/-0.000 χ^2/NDF:2997716816864987421

Out: 0.447+/-0.000 χ^2/NDF:31467924852663564 7

All: 0.378+/-0.000 χ^2/NDF: 6144513199623 2

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 982524285573478337216512.0/29

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525 76.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 21123547750939981172965376.0/33

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 991588108006867686

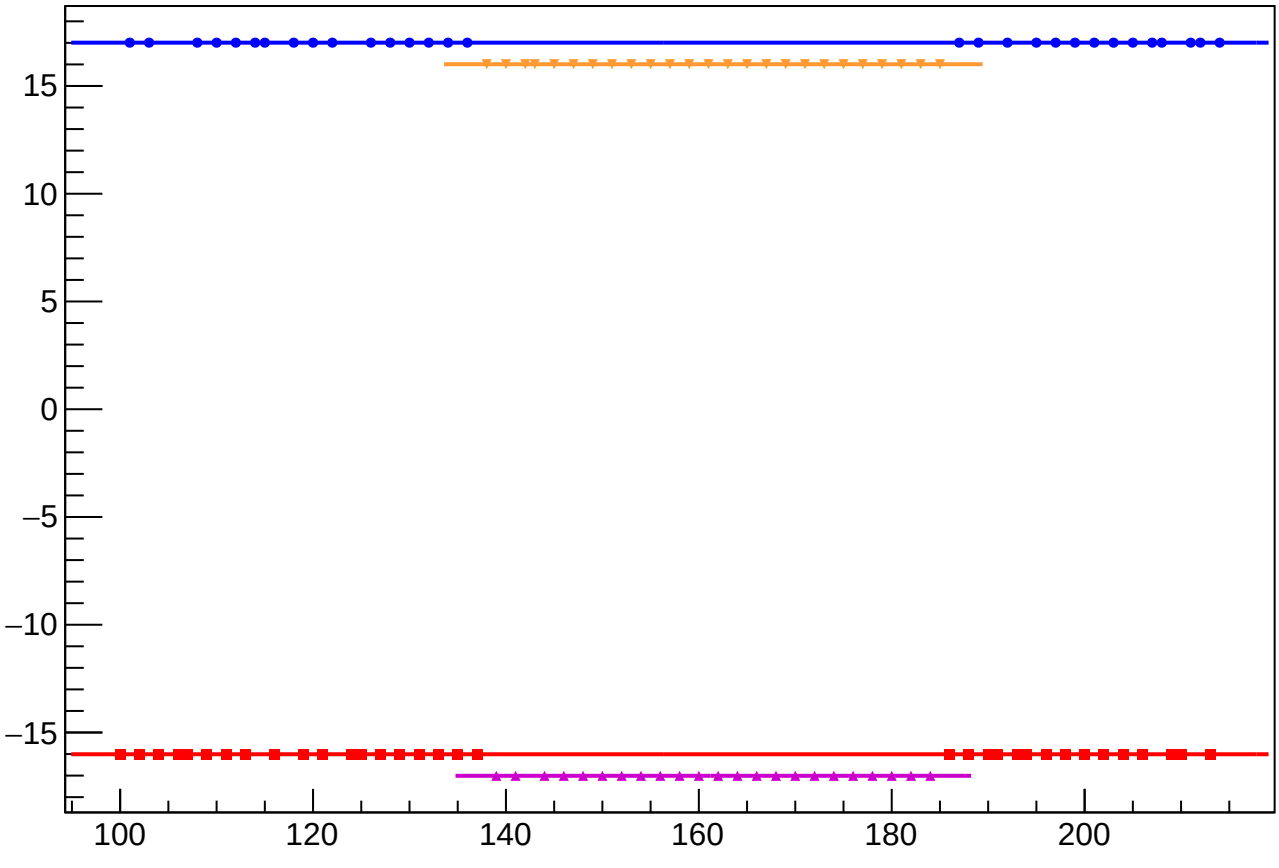
Right: -0.704+/-0.000 χ^2/NDF: 10137608051106718

In: 0.302+/-0.000 χ^2/NDF:923888966837459065

Out: -0.050+/-0.000 χ^2/NDF:10863707356547065

All: 0.122+/-0.000 χ^2/NDF: 20104872814422

IGL1I00OD16_16_mean vs Slug, Sign Corrected



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

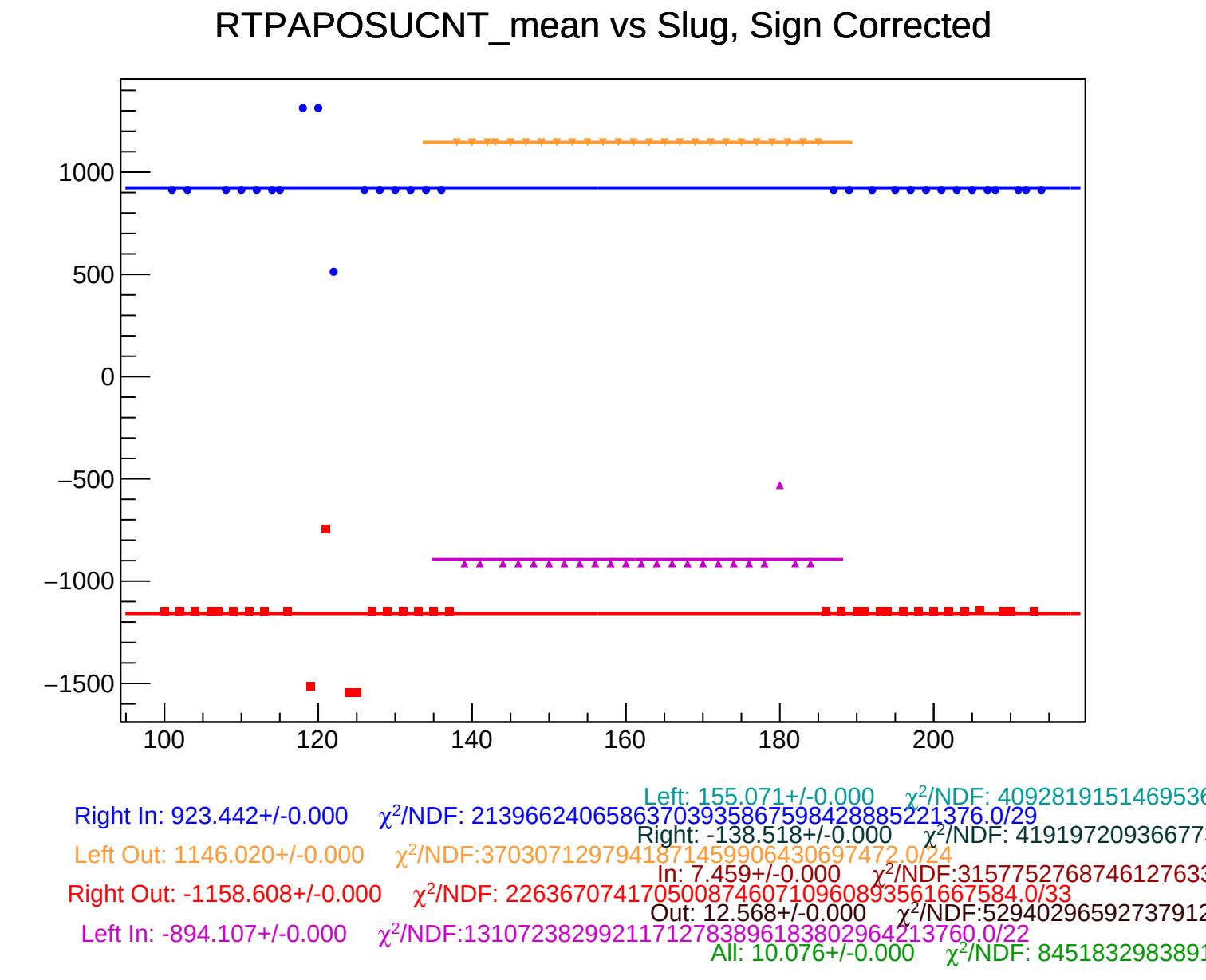
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: 0.034+/-0.000 χ^2/NDF: 10324493067808011

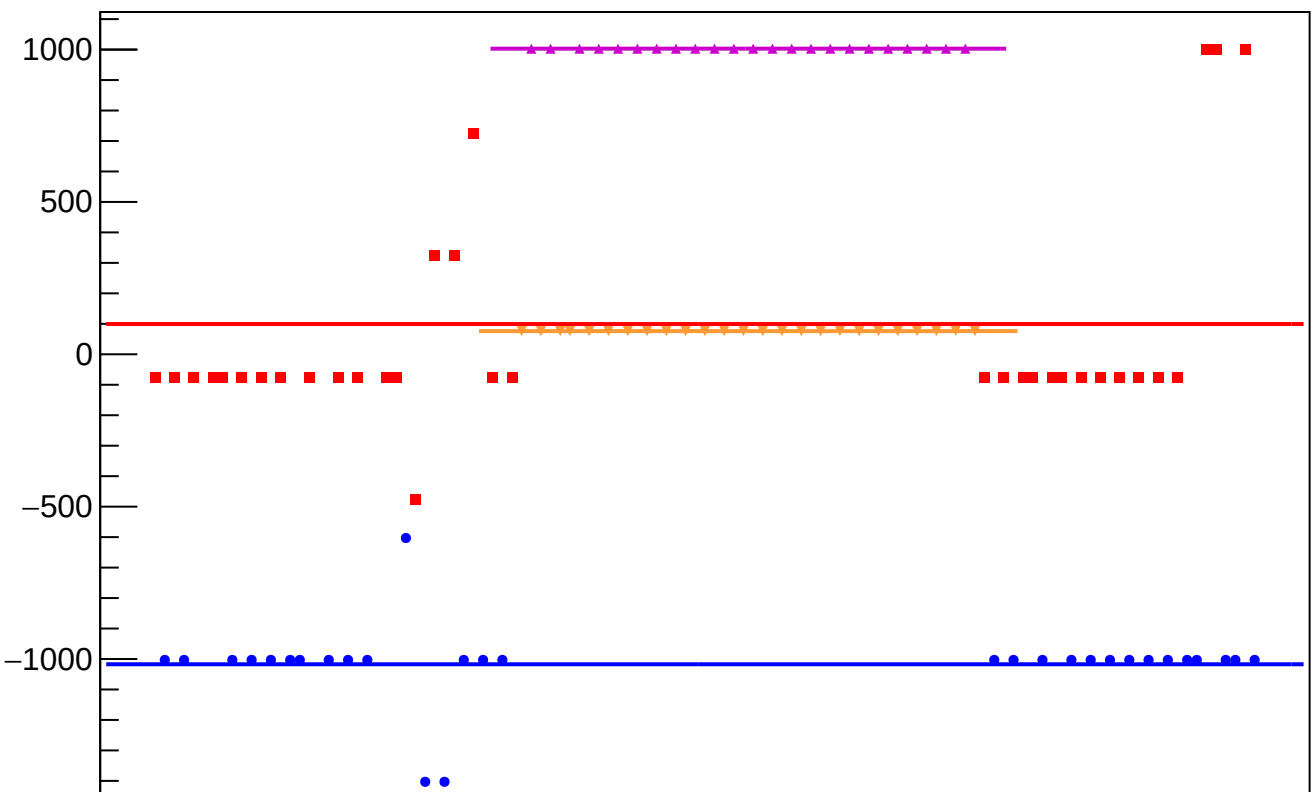
In: -0.083+/-0.000 χ^2/NDF:10710324835188731

Out: 0.175+/-0.000 χ^2/NDF:10099578525911827

All: 0.050+/-0.000 χ^2/NDF: 2081116788792


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 923.442+/-0.000 χ²/NDF: 213966240658637039358675984288885221376.0/29
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974720/24
Right Out: -1158.608+/-0.000 χ²/NDF: 22636707417050087460710960893561667584.0/33
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137600/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -138.518+/-0.000 χ²/NDF: 41919720936677
In: 7.459+/-0.000 χ²/NDF:3157752768746127633
Out: 12.568+/-0.000 χ²/NDF:52940296592737912
All: 10.076+/-0.000 χ²/NDF: 8451832983891

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1017.274+/-0.000 χ^2/NDF: 2345683486312024523980986706751494553 6.0/29

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

Right Out: 99.307+/-0.000 χ^2/NDF: 3031673959987561291438831341718900572 16.0/33

Left In: 1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

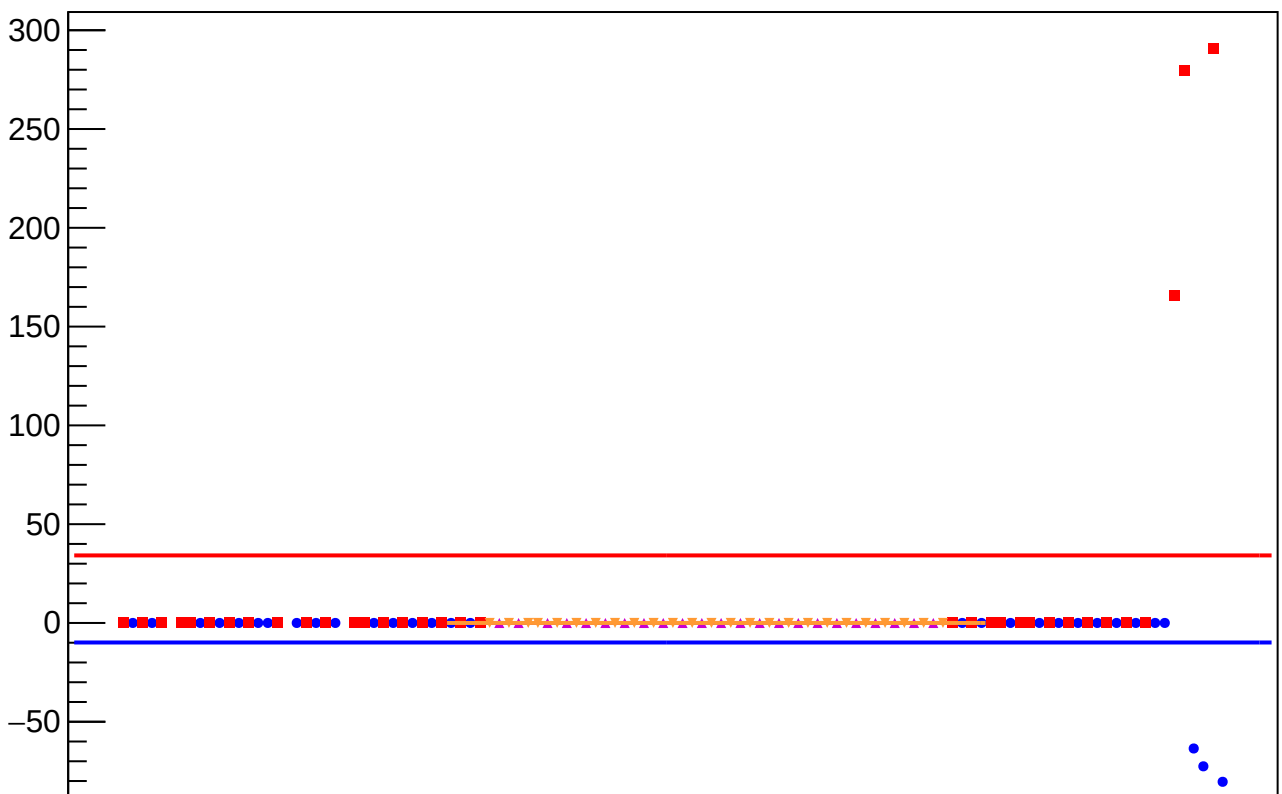
Right: -447.757+/-0.000 χ^2/NDF: 15195967950535

In: 0.870+/-0.000 χ^2/NDF:3882241761707546362

Out: 87.489+/-0.000 χ^2/NDF:3037041727077188

All: 45.236+/-0.000 χ^2/NDF: 420047972637

RTPPITA1CNT_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466230

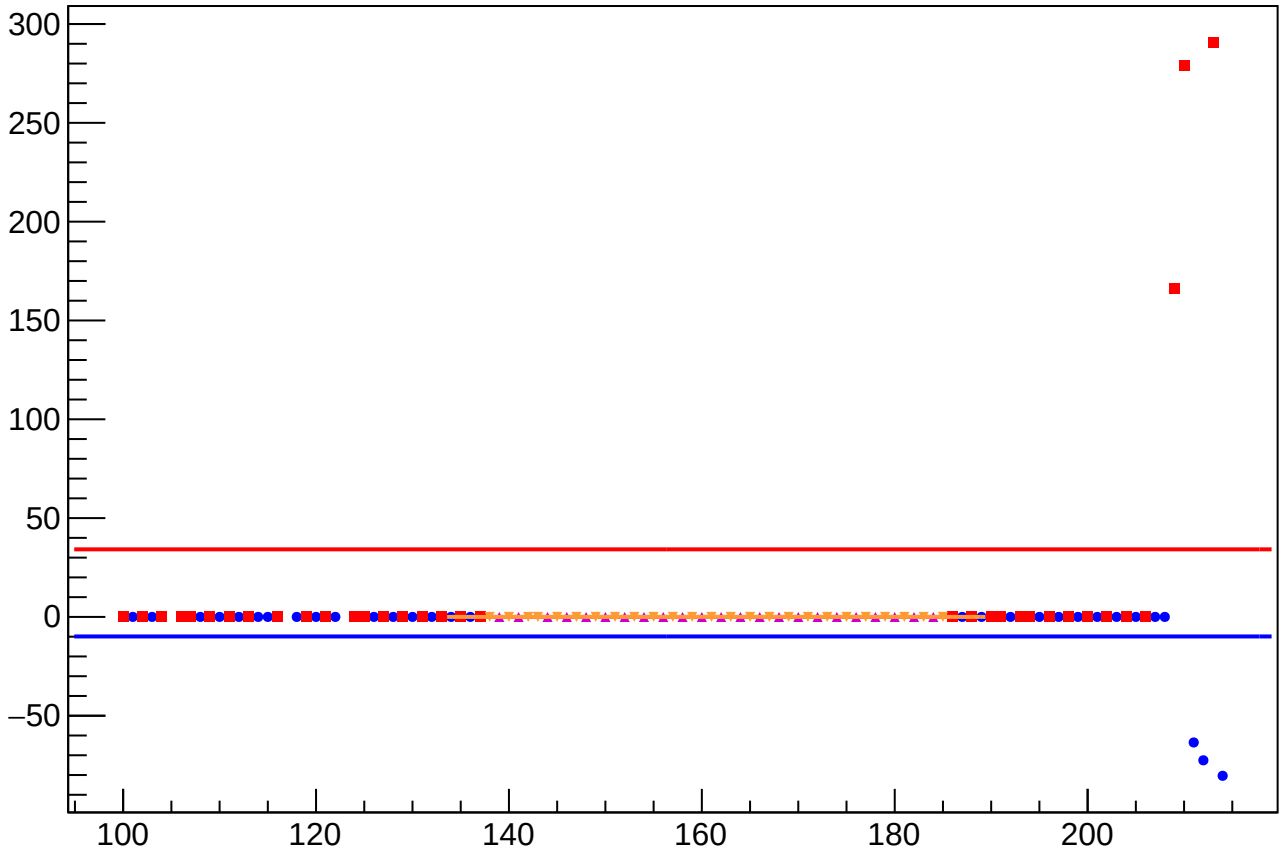
Right: 12.594+/-0.000 χ^2/NDF: 1806076566266287

In: -4.907+/-0.000 χ^2/NDF:126615175958756705

Out: 16.817+/-0.000 χ^2/NDF:16187794962684116

All: 6.220+/-0.000 χ^2/NDF: 18368125883600

RTPPITA2CNT_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466230

Right: 12.599+/-0.000 χ^2/NDF: 1806135263822398

In: -4.907+/-0.000 χ^2/NDF:126615175958756705

Out: 16.822+/-0.000 χ^2/NDF:16188205358608415

All: 6.223+/-0.000 χ^2/NDF: 18368979428488