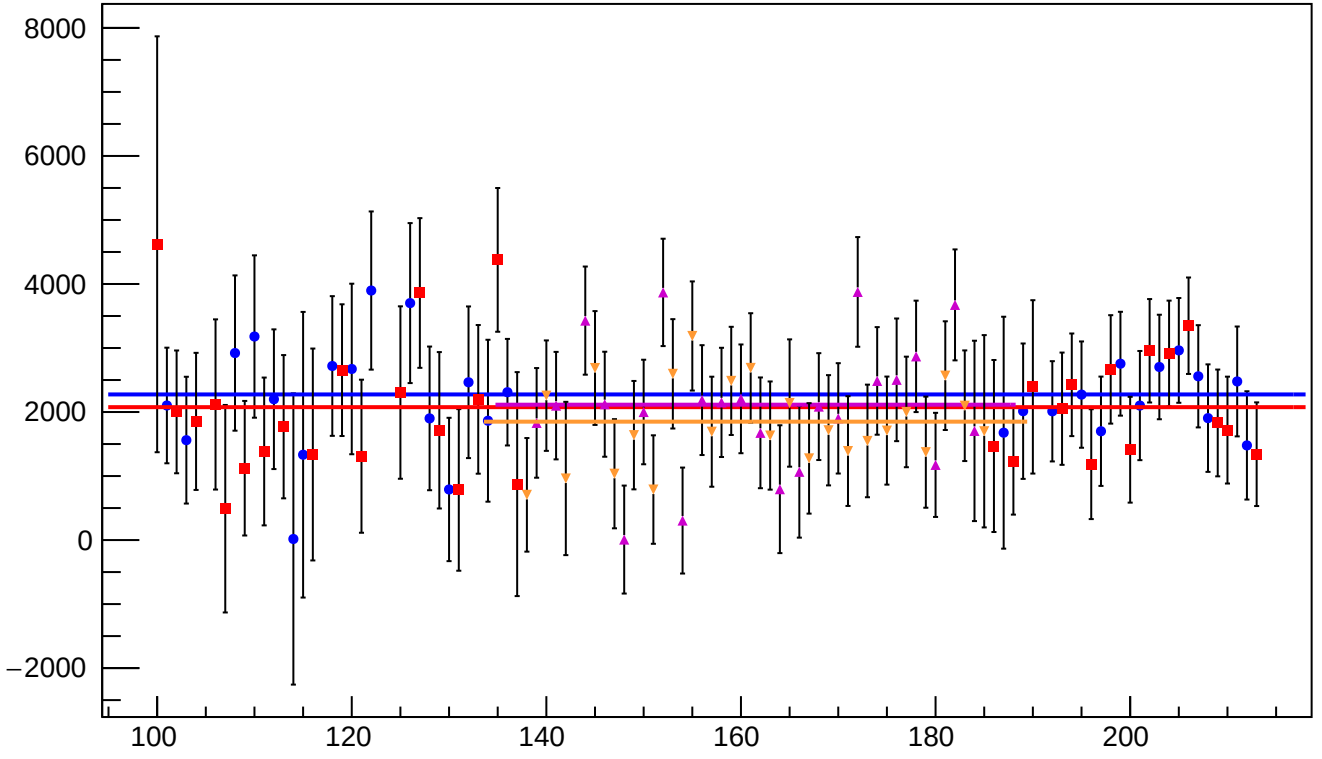
reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2274.759+/-185.249 χ^2/NDF: 11.2/28

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

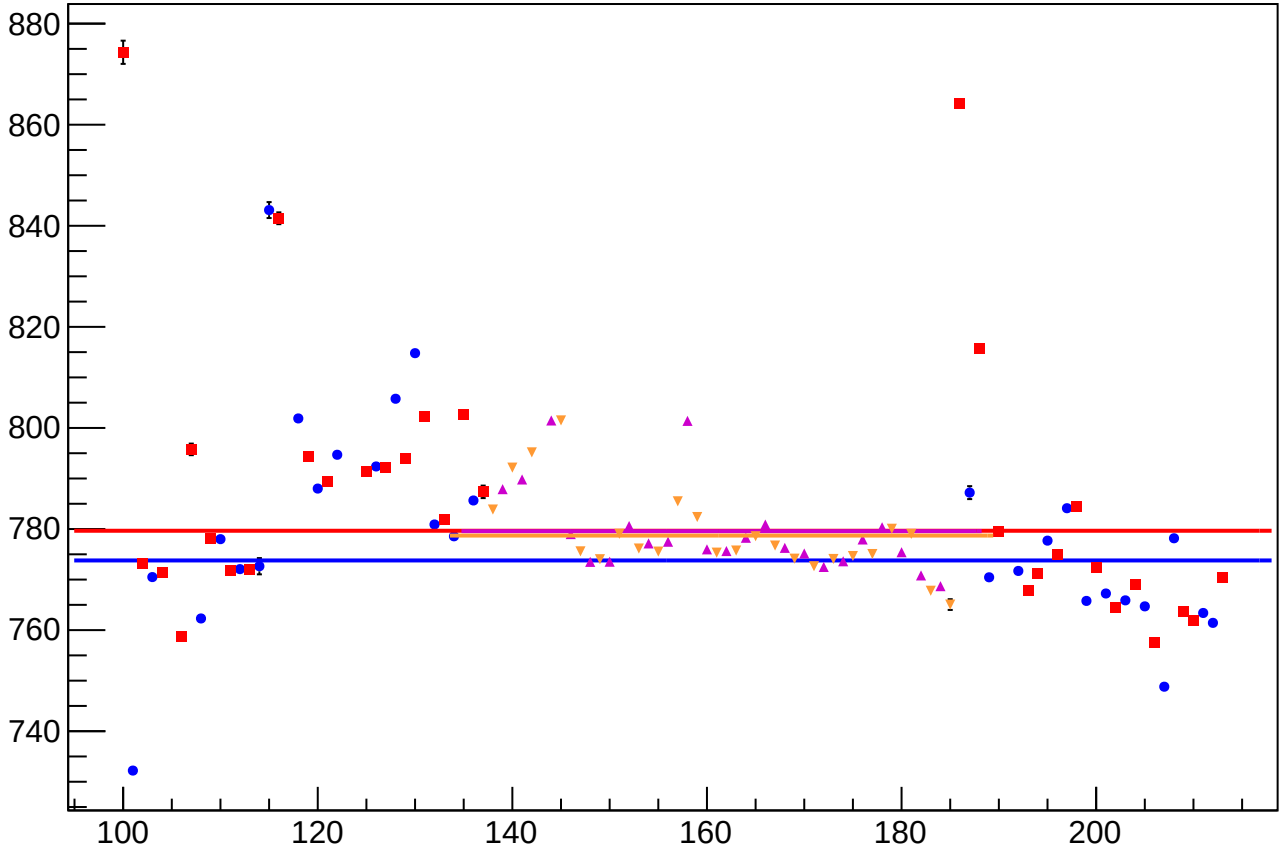
Right: 2172.809+/-129.292 χ^2/NDF: 33.6/60

In: 2193.194+/-129.837 χ^2/NDF:42.6/51

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

All: 2076.171+/-91.054 χ^2/NDF: 79.7/107

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 773.784+/-0.131 χ^2/NDF: 17746.0/28

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

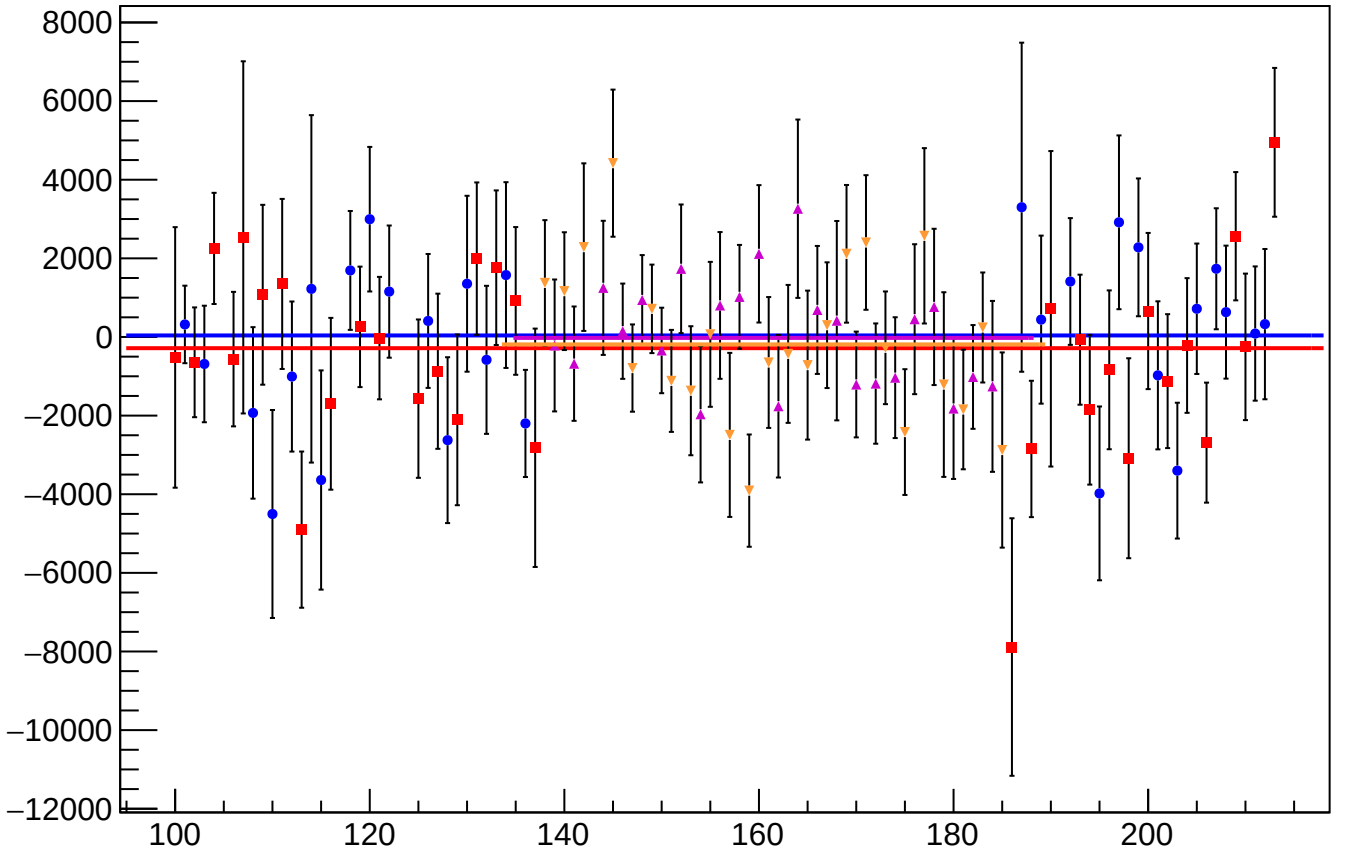
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 776.797+/-0.091 χ^2/NDF: 44288.3/60

In: 776.730+/-0.092 χ^2/NDF:22913.2/51

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

All: 777.977+/-0.064 χ^2/NDF: 52204.3/107



Right In: 38.807+/-334.975 χ^2/NDF: 29.4/28

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

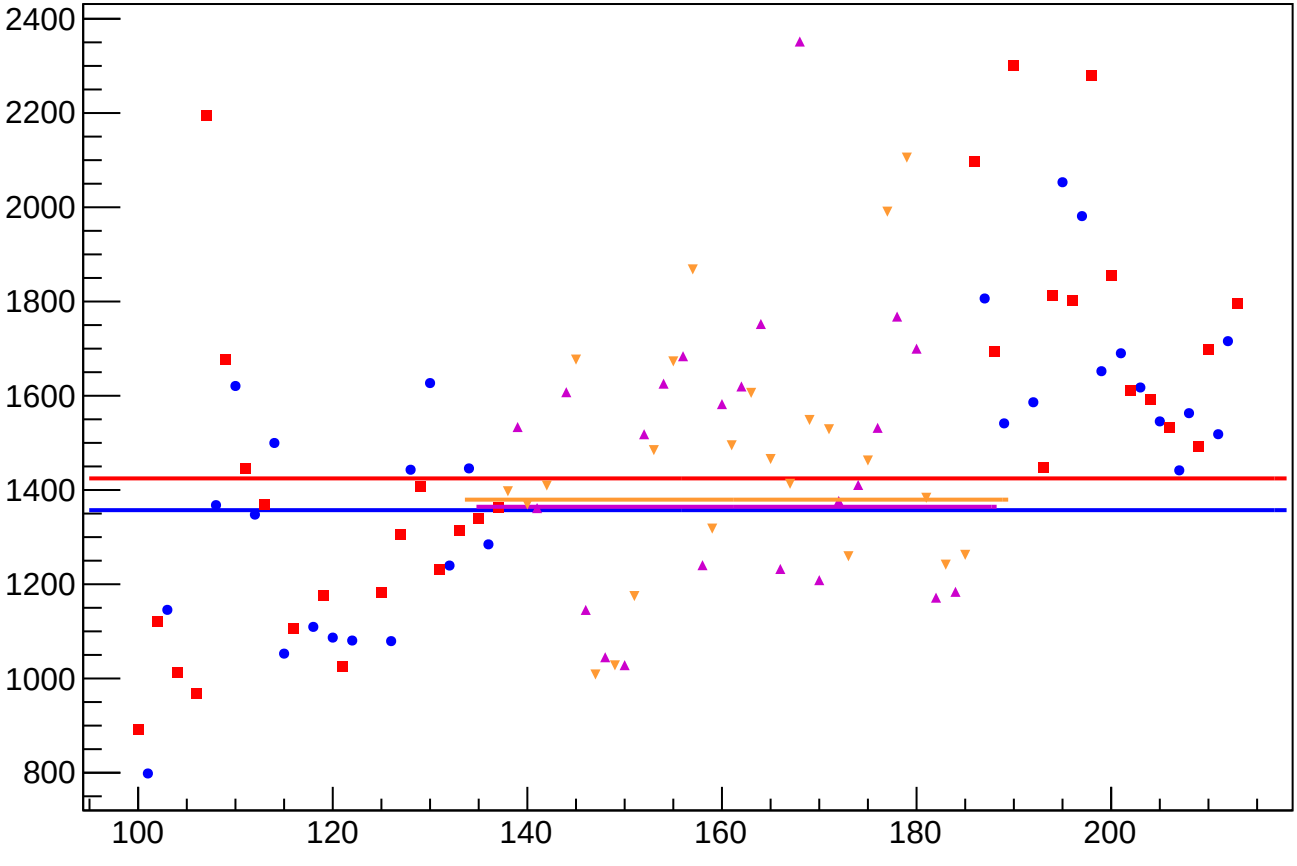
Right: -120.841+/-238.459 χ^2/NDF: 68.5/60

In: 6.661+/-233.555 χ^2/NDF:42.9/51

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

All: -113.138+/-165.930 χ^2/NDF: 111.7/107

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1357.228+/-0.237 χ^2/NDF: 1732168.9/28

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

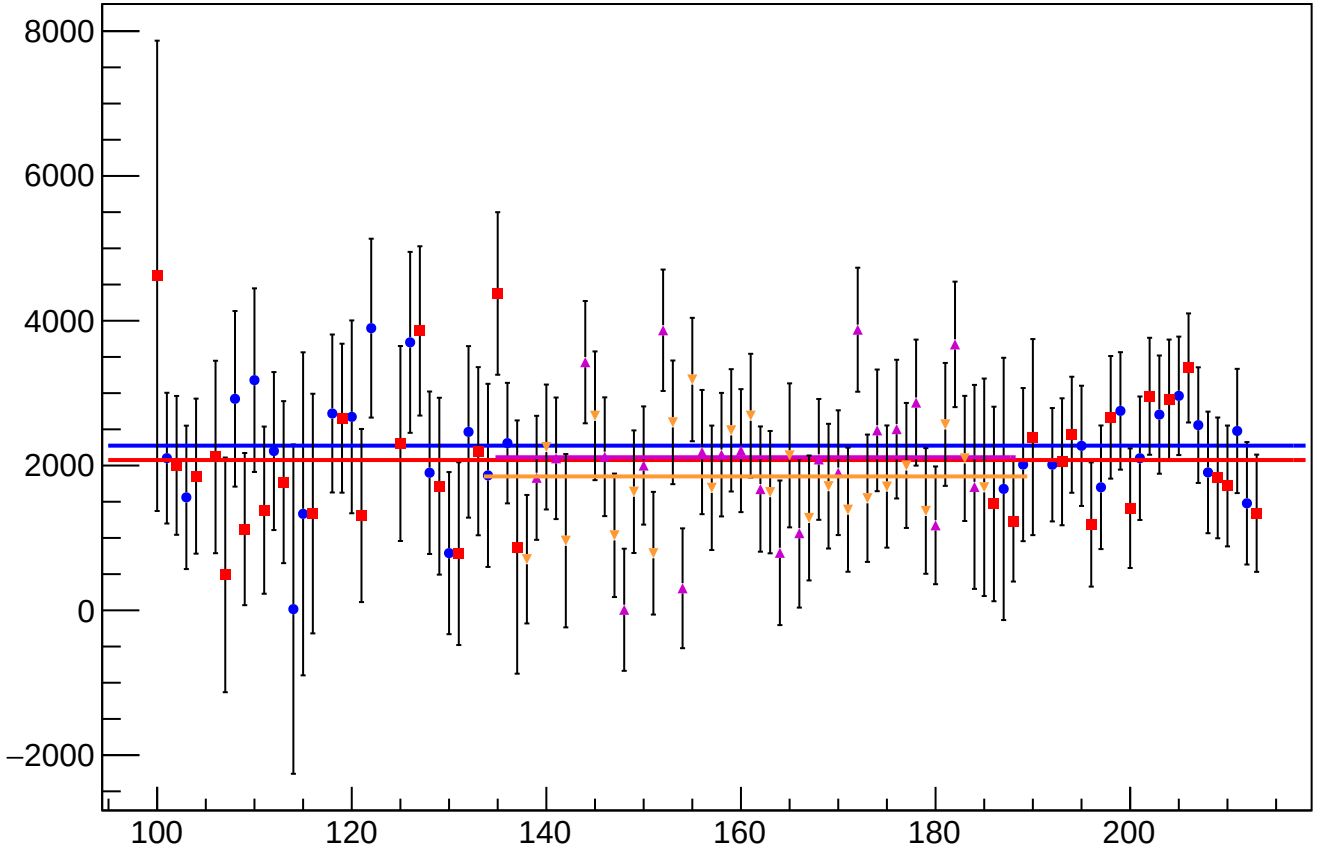
Right: 1390.464+/-0.169 χ^2/NDF: 3488351.3/60

In: 1360.920+/-0.165 χ^2/NDF:3044941.0/51

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

All: 1380.904+/-0.117 χ^2/NDF: 5967493.1/10

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2274.759+/-185.249 χ^2/NDF: 11.2/28

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

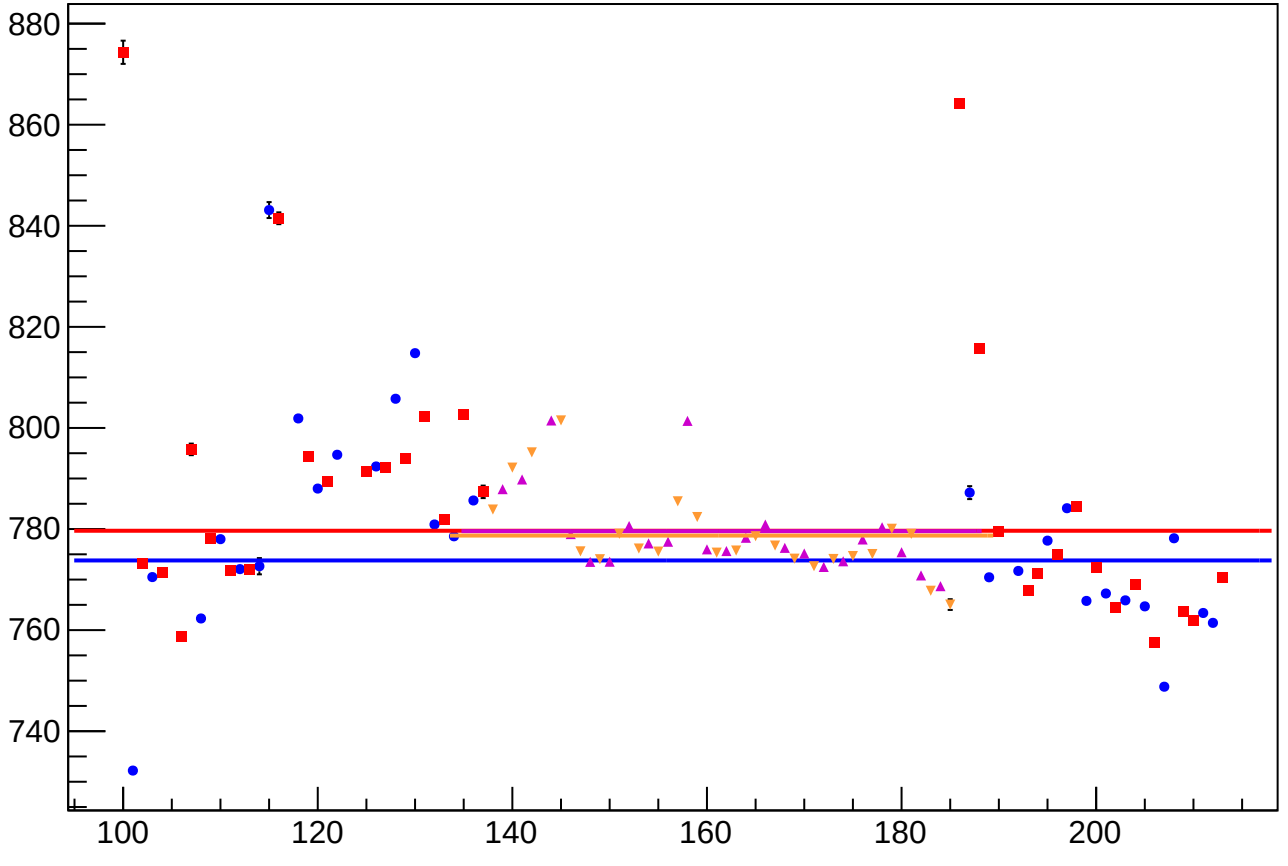
Right: 2172.809+/-129.292 χ^2/NDF: 33.6/60

In: 2193.194+/-129.837 χ^2/NDF:42.6/51

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

All: 2076.171+/-91.054 χ^2/NDF: 79.7/107

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 773.784+/-0.131 χ^2/NDF: 17746.0/28

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

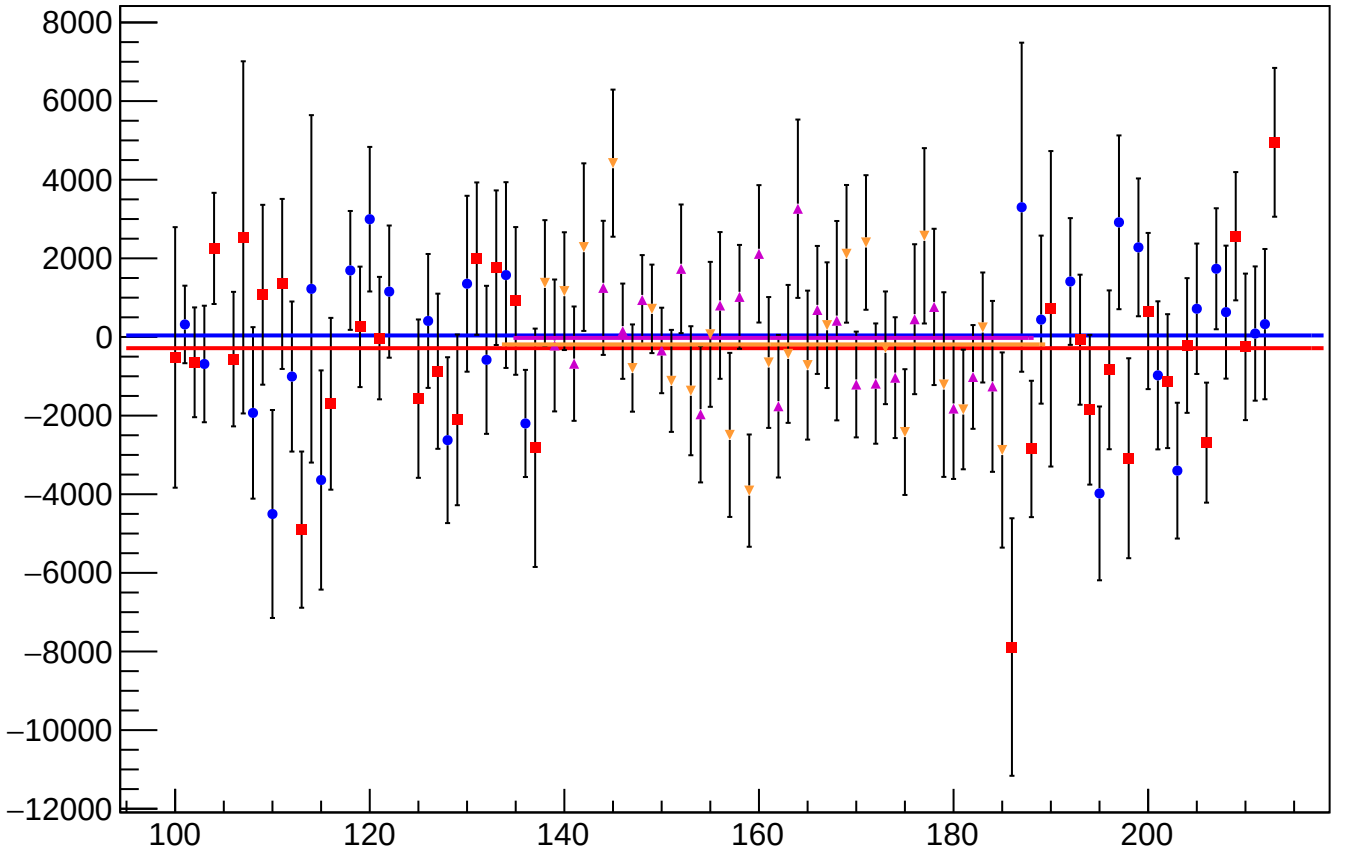
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 776.797+/-0.091 χ^2/NDF: 44288.3/60

In: 776.730+/-0.092 χ^2/NDF:22913.2/51

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

All: 777.977+/-0.064 χ^2/NDF: 52204.3/107



Right In: 38.807+/-334.975 χ^2/NDF: 29.4/28

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

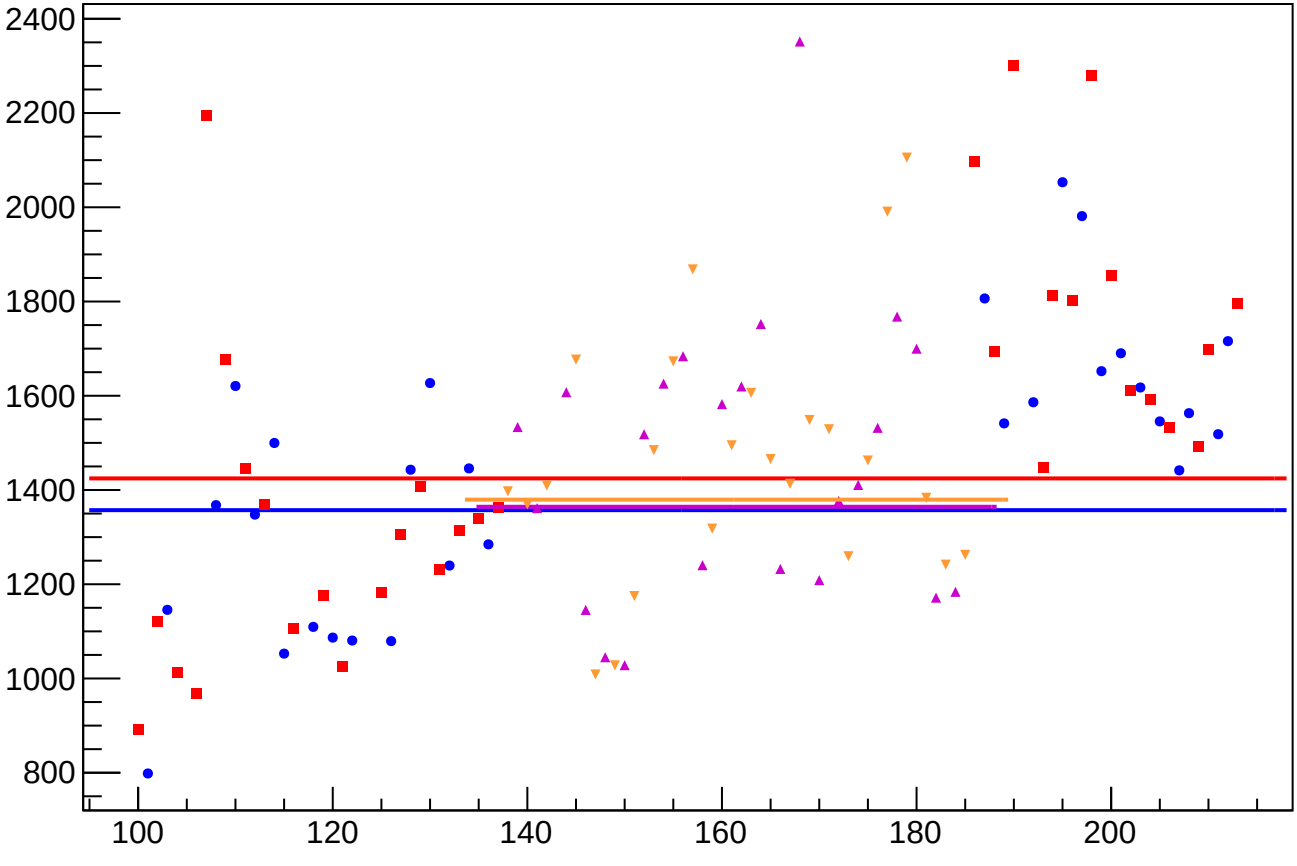
Right: -120.841+/-238.459 χ^2/NDF: 68.5/60

In: 6.661+/-233.555 χ^2/NDF:42.9/51

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

All: -113.138+/-165.930 χ^2/NDF: 111.7/107

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1357.228+/-0.237 χ^2/NDF: 1732168.9/28

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

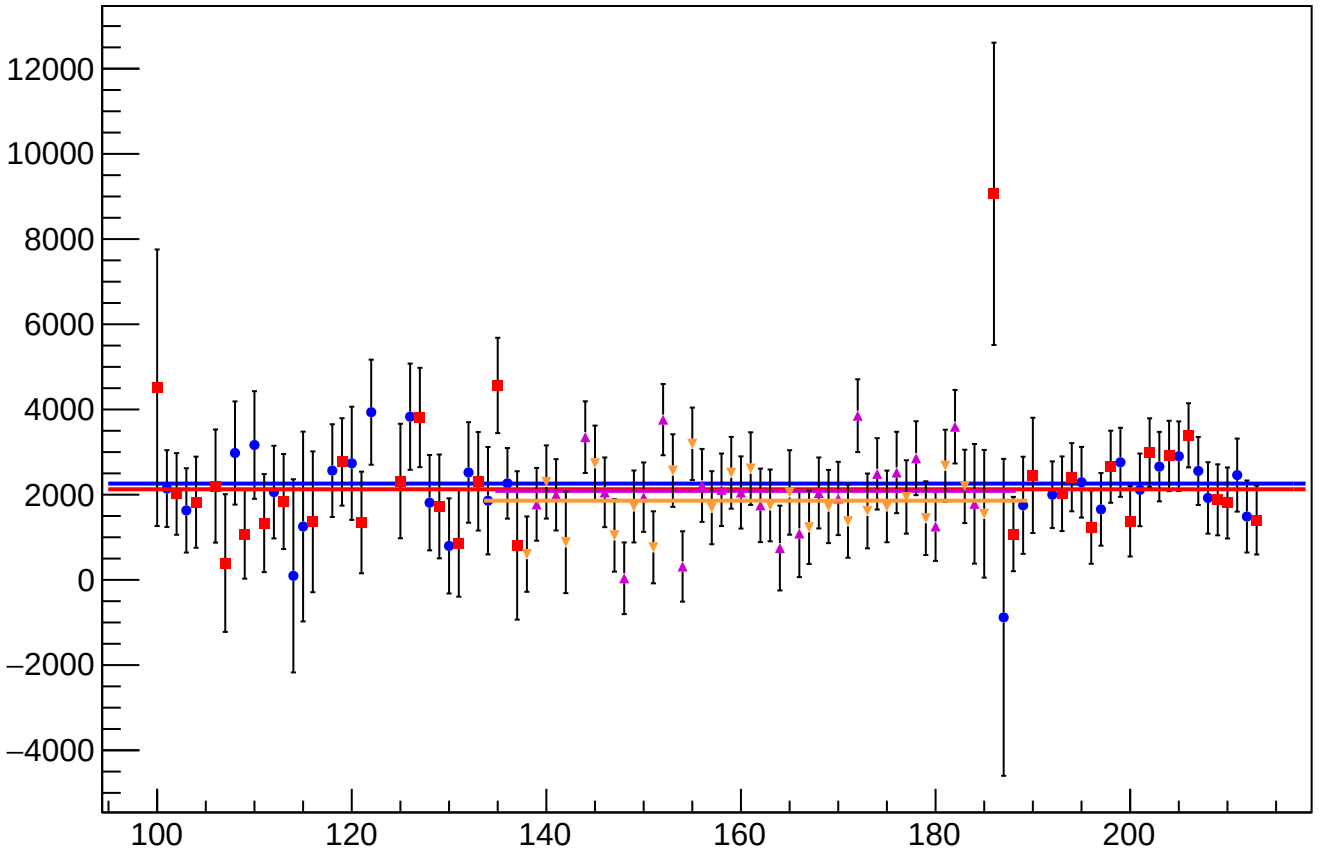
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1390.464+/-0.169 χ^2/NDF: 3488351.3/60

In: 1360.920+/-0.165 χ^2/NDF:3044941.0/51

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

All: 1380.904+/-0.117 χ^2/NDF: 5967493.1/10



Right In: 2260.255+/-186.112 χ^2/NDF: 12.1/28

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

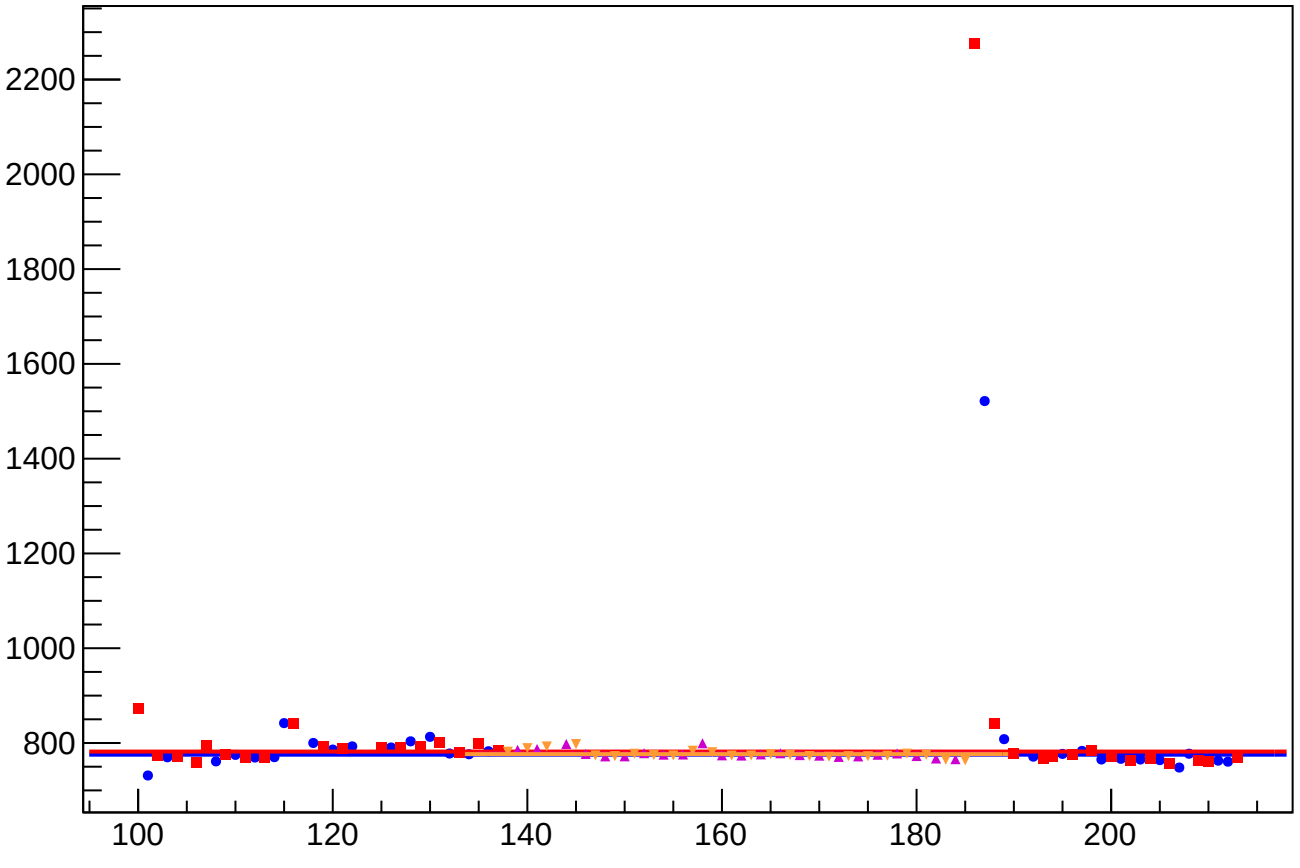
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2192.417+/-130.160 χ^2/NDF: 38.9/60

In: 2172.742+/-129.948 χ^2/NDF:42.1/51

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

All: 2081.135+/-91.226 χ^2/NDF: 84.3/107



Right In: 775.360+/-0.132 χ^2/NDF: 99474.1/28

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

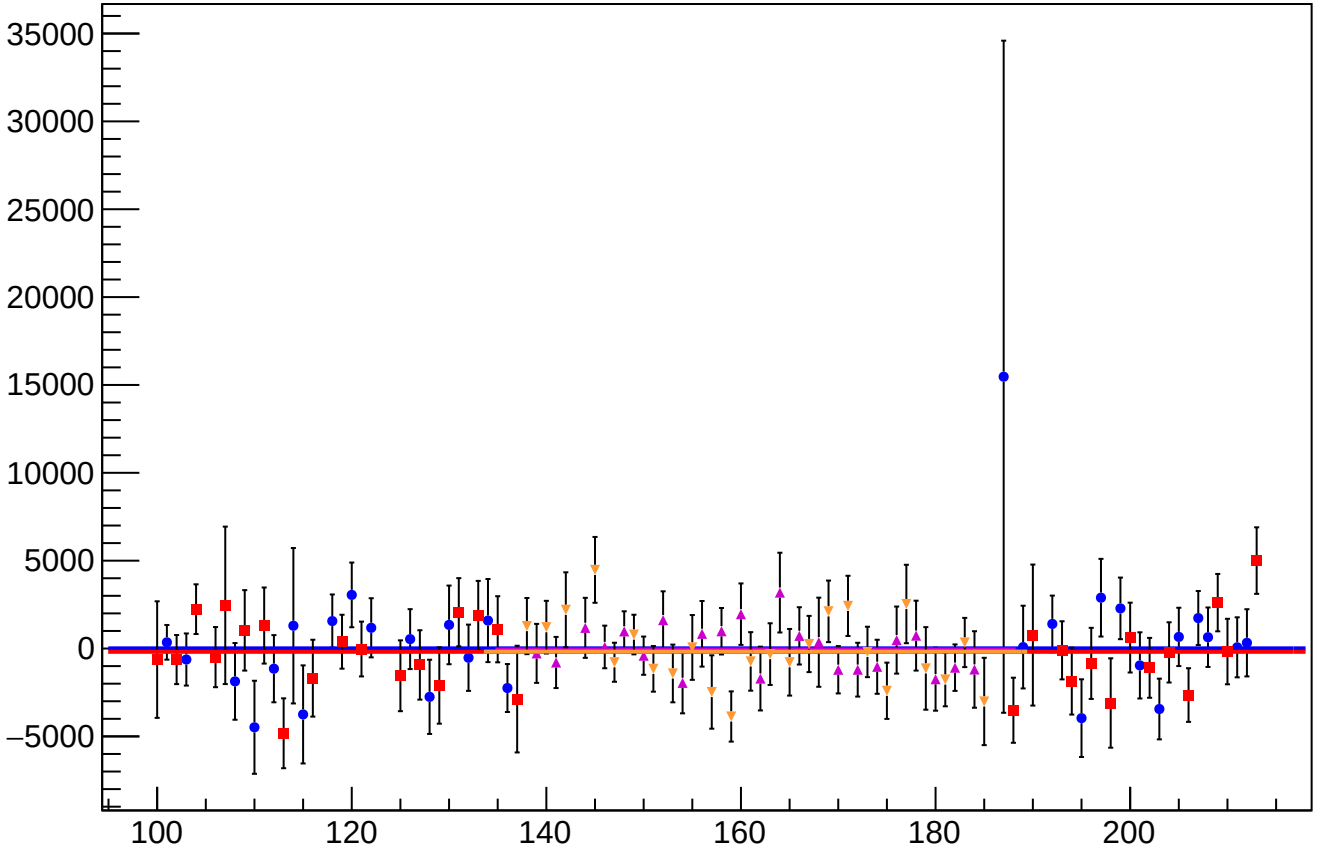
Right: 778.724+/-0.092 χ^2/NDF: 479810.9/60

In: 776.412+/-0.092 χ^2/NDF:103660.9/51

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

All: 777.829+/-0.065 χ^2/NDF: 487220.4/107

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: 10.336+/-336.959 χ^2/NDF: 29.7/28

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

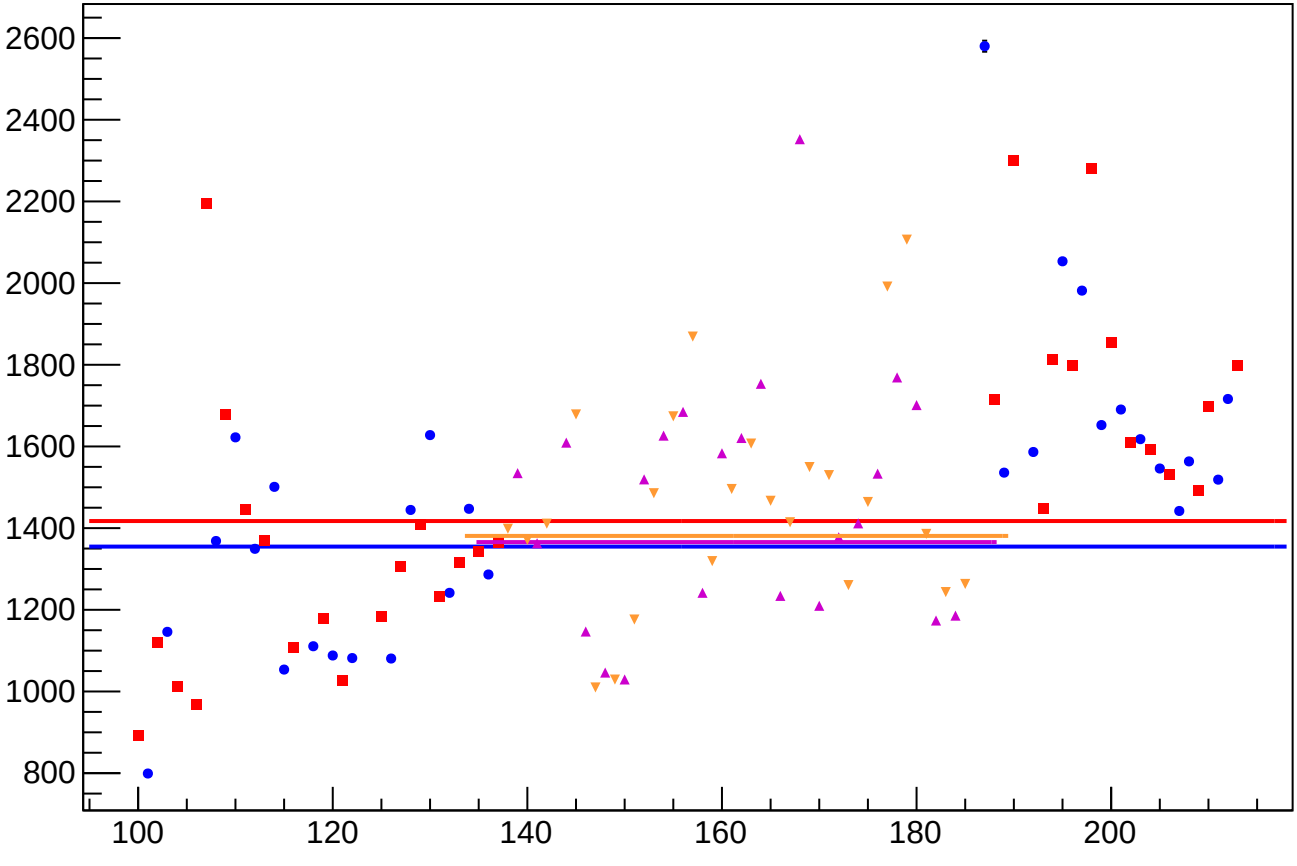
Right: -86.669+/-240.168 χ^2/NDF: 64.2/59

In: -22.274+/-234.341 χ^2/NDF:42.7/51

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

All: -100.605+/-166.586 χ^2/NDF: 106.9/106

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1354.791+/-0.238 χ^2/NDF: 1709149.5/28

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

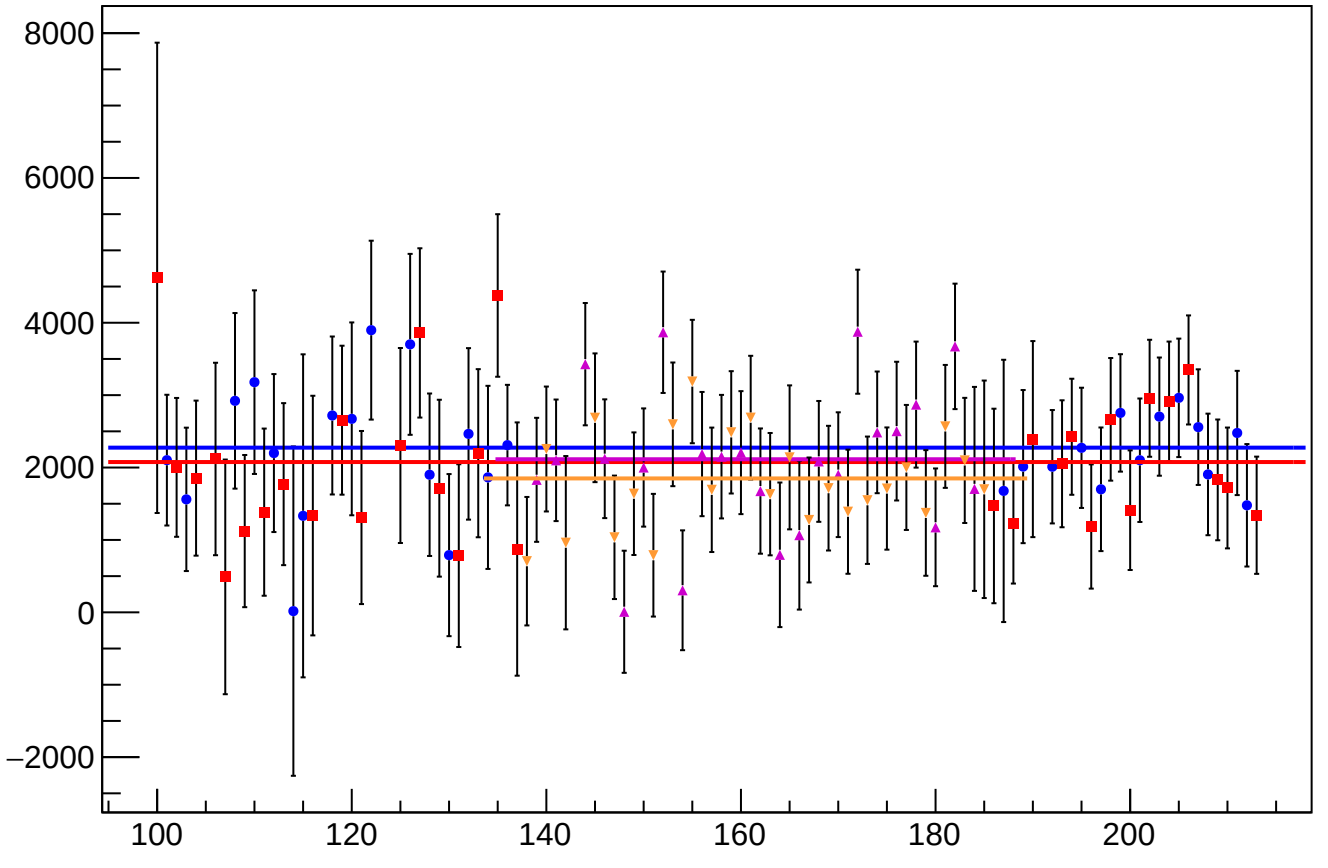
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1385.578+/-0.170 χ^2/NDF: 3368149.1/59

In: 1360.481+/-0.166 χ^2/NDF:3019116.5/51

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

All: 1379.227+/-0.118 χ^2/NDF: 5837287.8/10



Right In: 2274.759+/-185.249 χ^2/NDF: 11.2/28

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

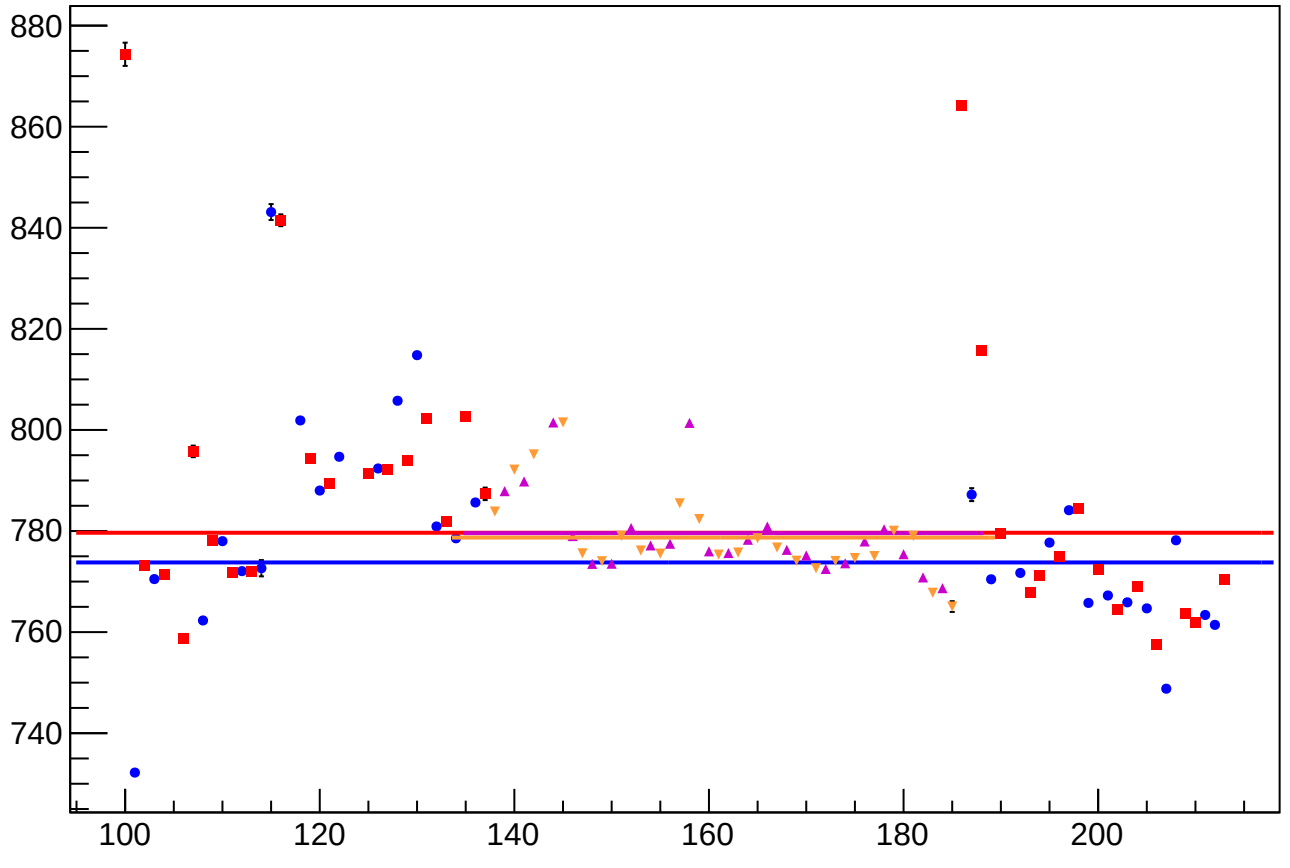
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2172.809+/-129.292 χ^2/NDF: 33.6/60

In: 2193.194+/-129.837 χ^2/NDF:42.6/51

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

All: 2076.171+/-91.054 χ^2/NDF: 79.7/107



Right In: 773.784+/-0.131 χ^2/NDF: 17746.0/28

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

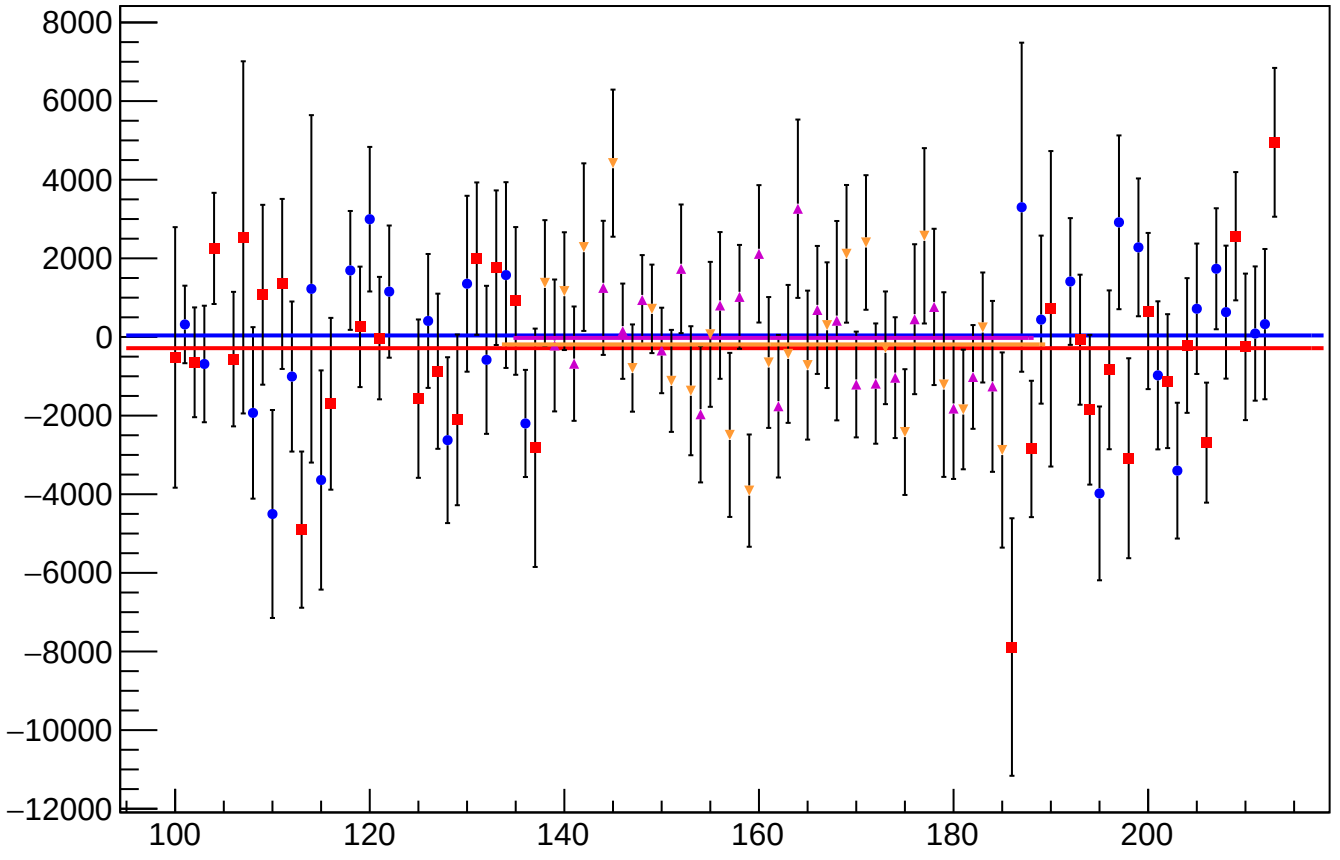
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 776.797+/-0.091 χ^2/NDF: 44288.3/60

In: 776.730+/-0.092 χ^2/NDF:22913.2/51

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

All: 777.977+/-0.064 χ^2/NDF: 52204.3/107



Right In: 38.807+/-334.975 χ^2/NDF: 29.4/28

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

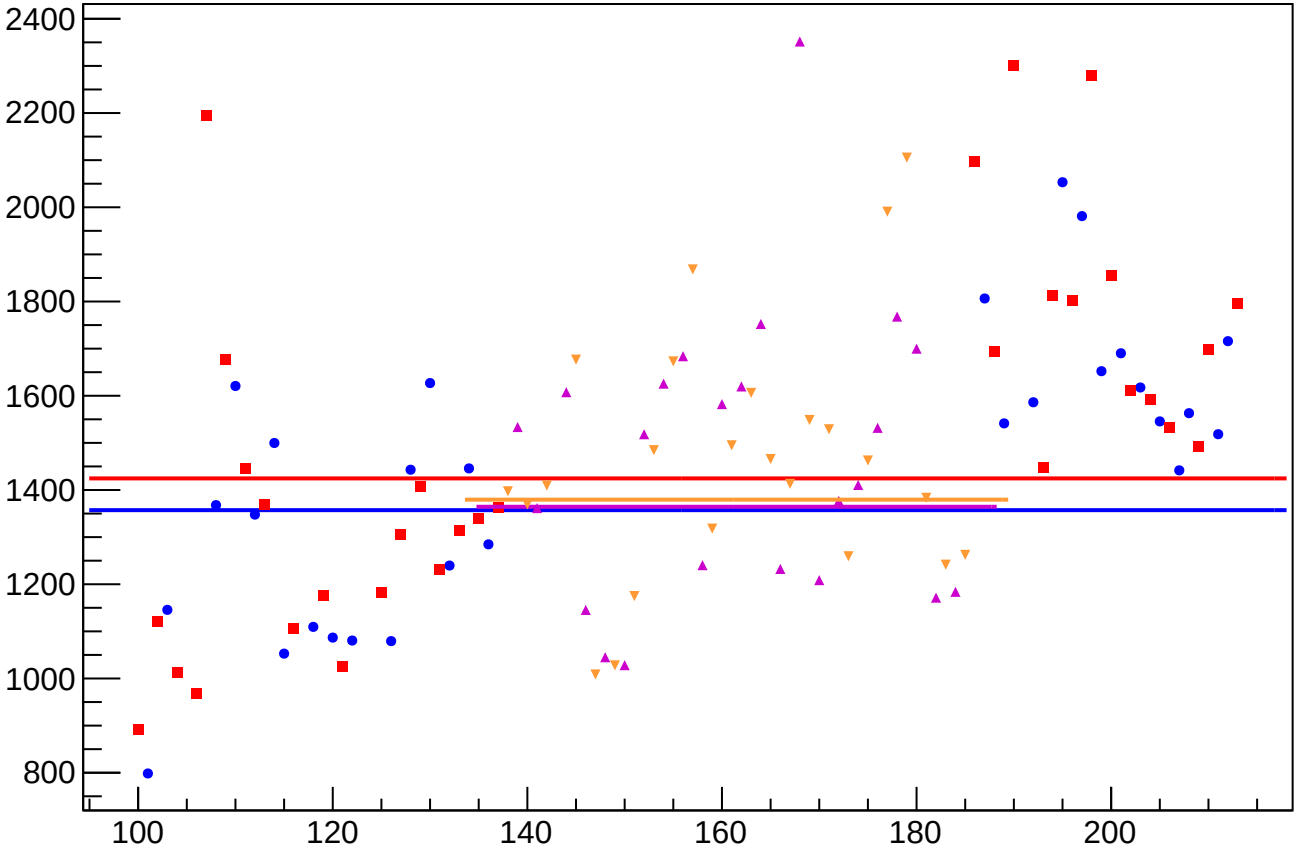
Right: -120.841+/-238.459 χ^2/NDF: 68.5/60

In: 6.661+/-233.555 χ^2/NDF:42.9/51

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

All: -113.138+/-165.930 χ^2/NDF: 111.7/107

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1357.228+/-0.237 χ^2/NDF: 1732168.9/28

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

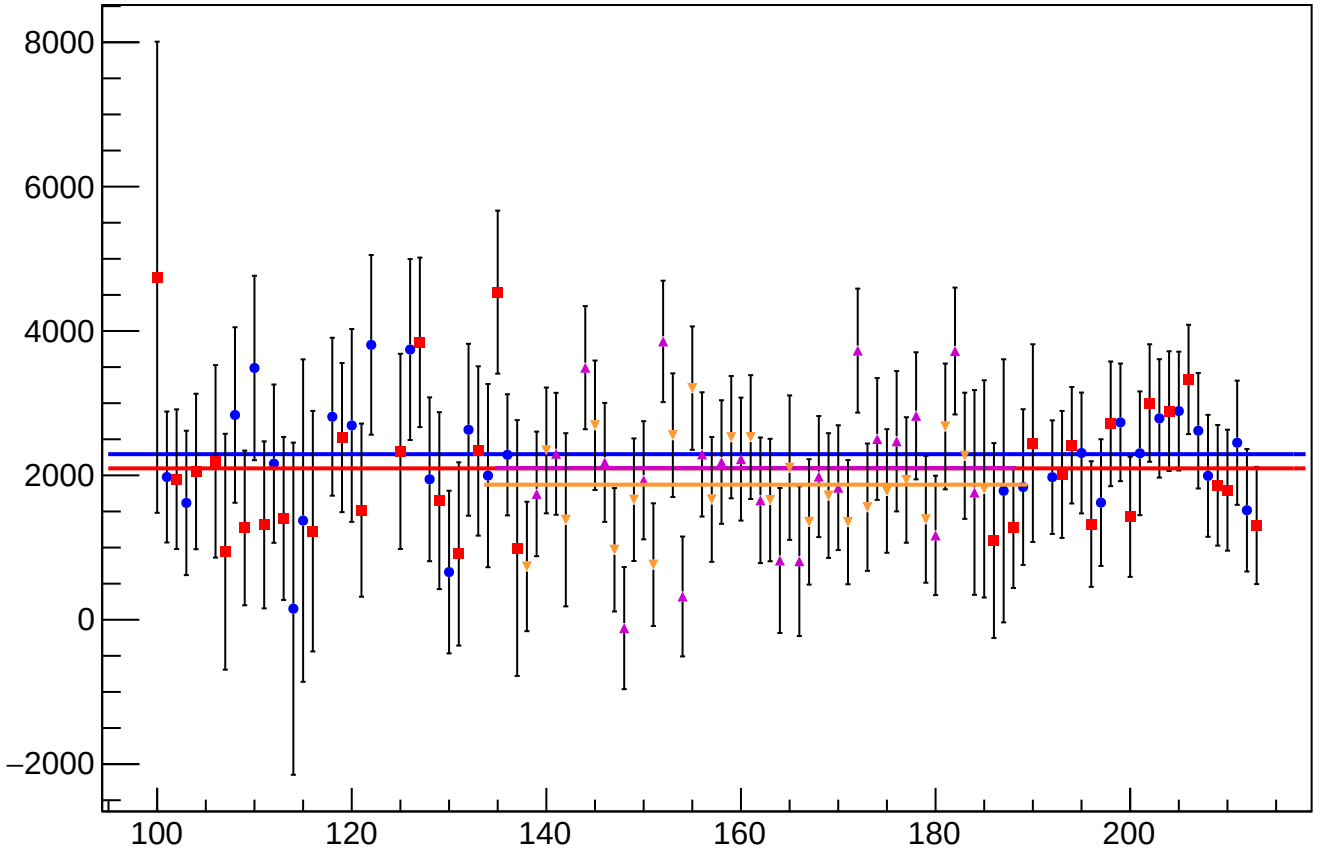
Right: 1390.464+/-0.169 χ^2/NDF: 3488351.3/60

In: 1360.920+/-0.165 χ^2/NDF:3044941.0/51

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

All: 1380.904+/-0.117 χ^2/NDF: 5967493.1/10

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2293.666+/-186.501 χ^2/NDF: 11.5/28

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

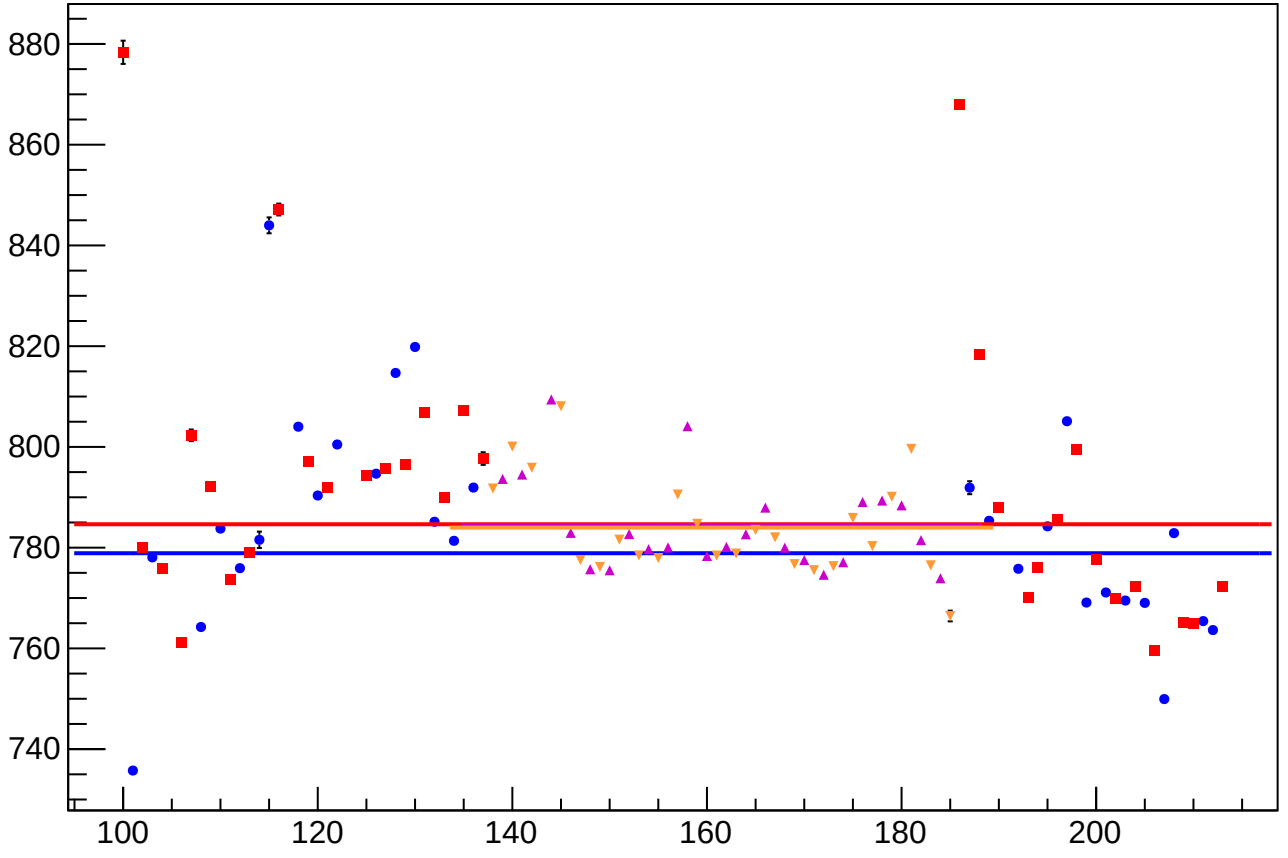
Right: 2192.802+/-130.156 χ^2/NDF: 33.4/60

In: 2195.626+/-130.686 χ^2/NDF:43.8/51

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

All: 2088.305+/-91.658 χ^2/NDF: 79.7/107

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 778.894+/-0.132 χ^2/NDF: 20733.9/28

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

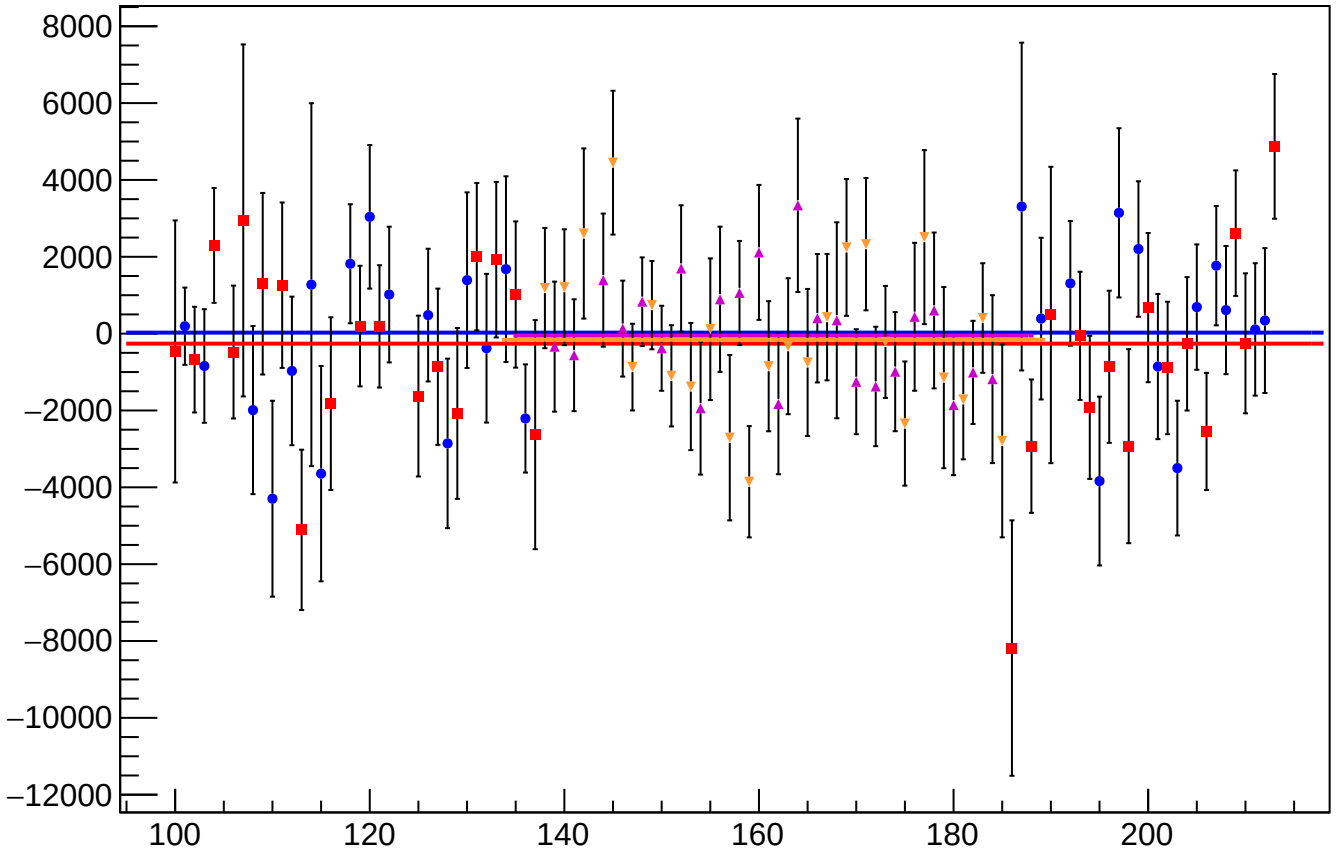
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 781.845+/-0.092 χ^2/NDF: 48289.6/60

In: 781.733+/-0.092 χ^2/NDF:26572.3/51

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

All: 783.045+/-0.065 χ^2/NDF: 58489.9/107



Right In: 26.066+/-338.678 χ^2/NDF: 29.3/28

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

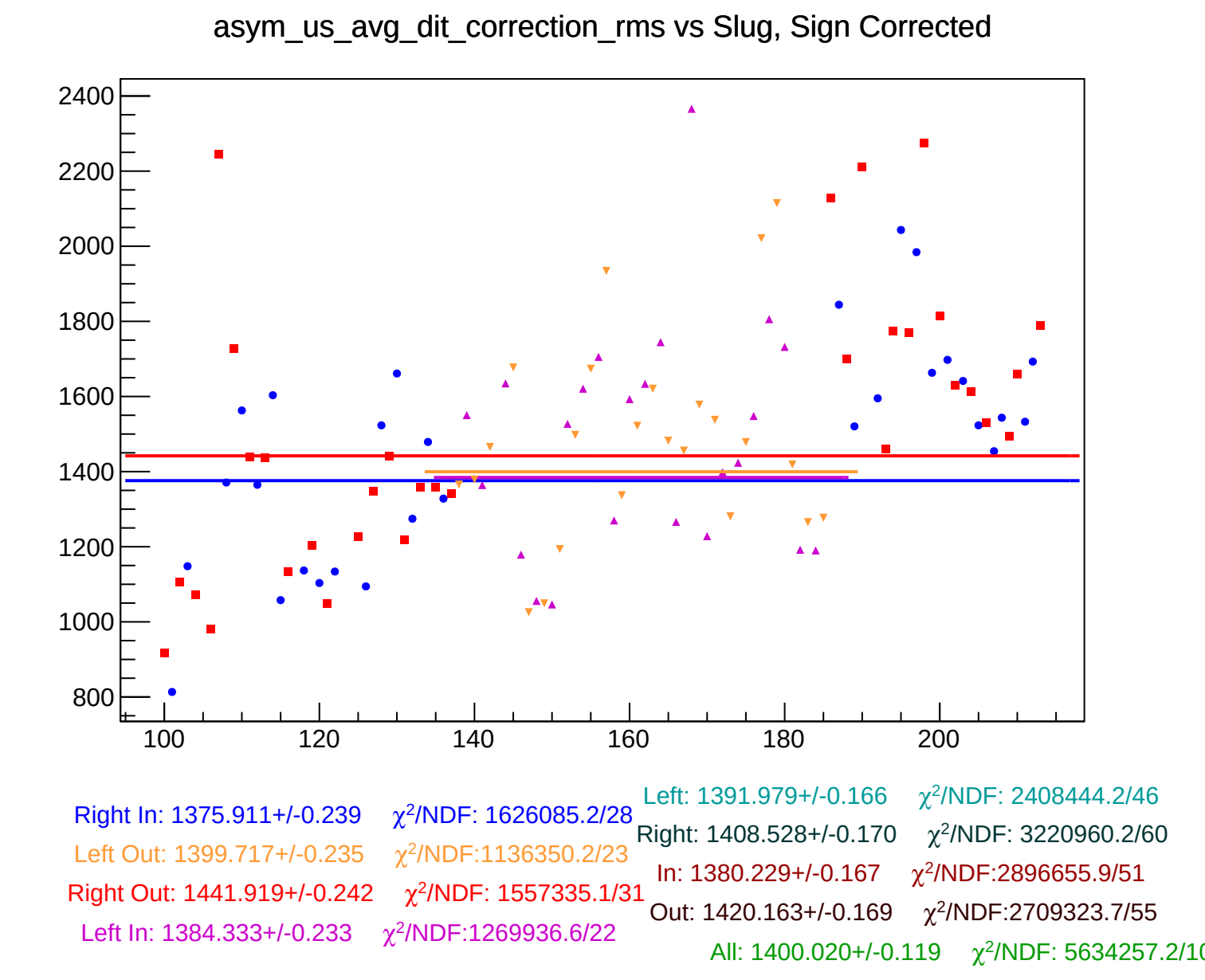
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

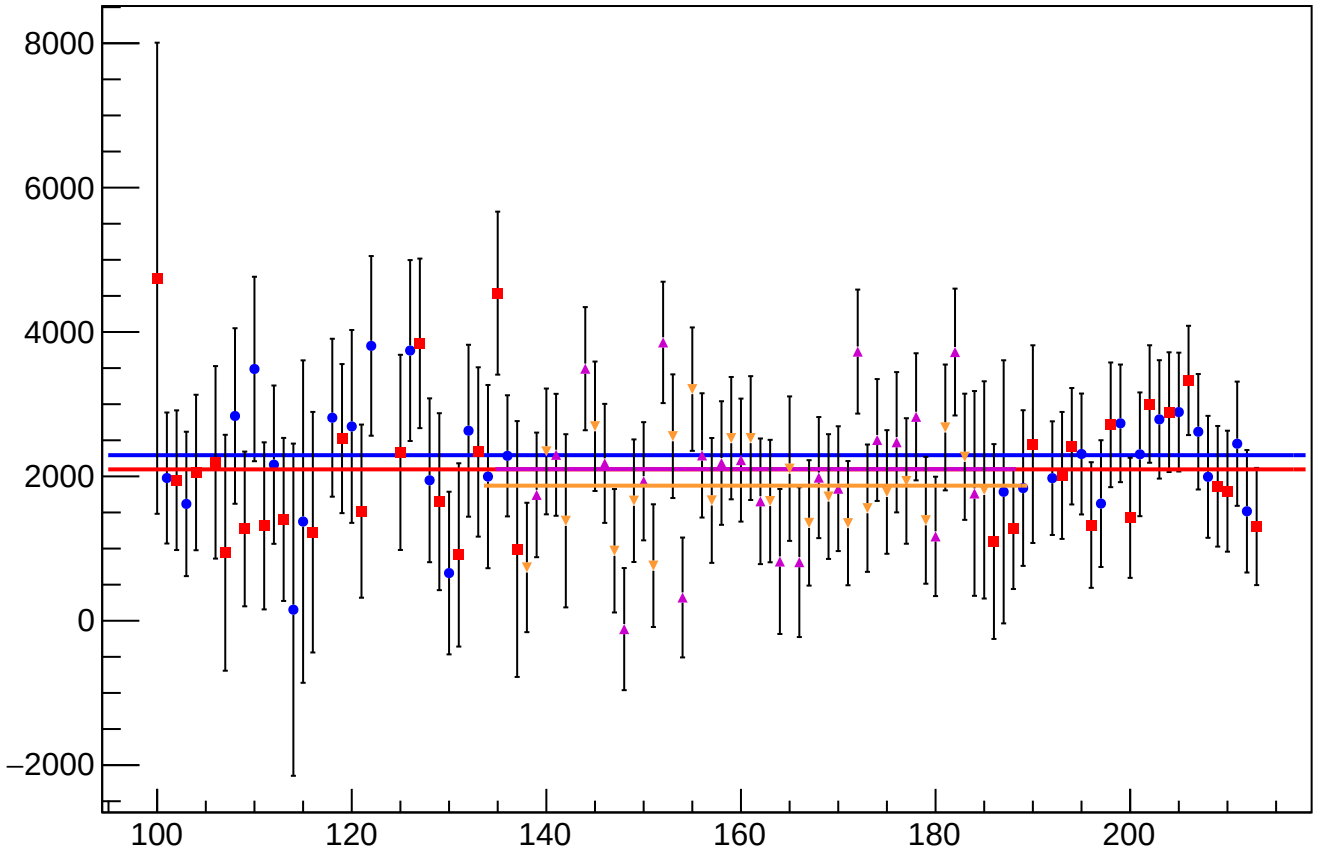
Right: -115.751+/-240.883 χ^2/NDF: 68.2/60

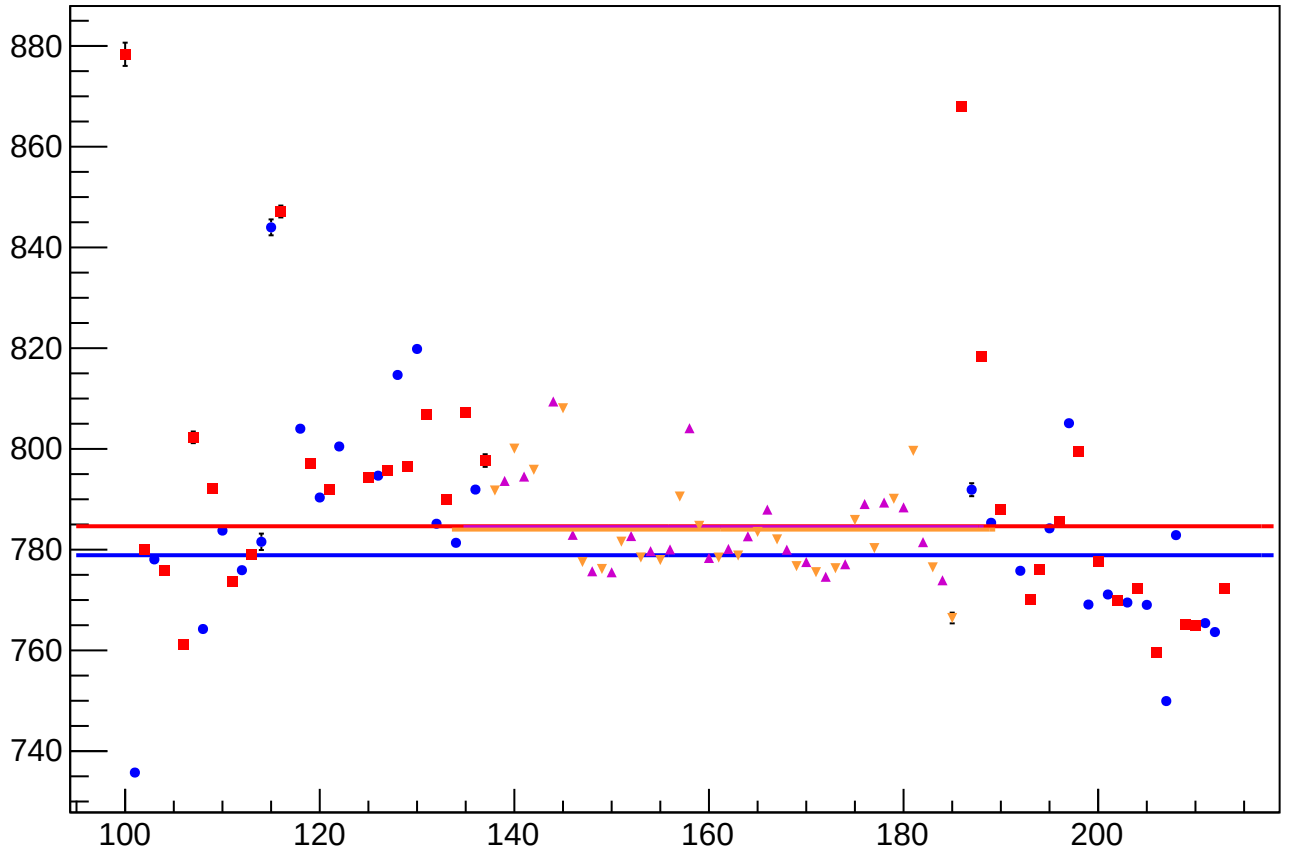
In: -13.943+/-236.429 χ^2/NDF:42.7/51

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

All: -110.380+/-167.913 χ^2/NDF: 110.8/107


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 1375.911+/-0.239 χ²/NDF: 1626085.2/28
Left Out: 1399.717+/-0.235 χ²/NDF:1136350.2/23
Right Out: 1441.919+/-0.242 χ²/NDF: 1557335.1/31
Left In: 1384.333+/-0.233 χ²/NDF:1269936.6/22
Left: 1391.979+/-0.166 χ²/NDF: 2408444.2/46
Right: 1408.528+/-0.170 χ²/NDF: 3220960.2/60
In: 1380.229+/-0.167 χ²/NDF:2896655.9/51
Out: 1420.163+/-0.169 χ²/NDF:2709323.7/55
All: 1400.020+/-0.119 χ²/NDF: 5634257.2/10


eigen_dit_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 2293.666+/-186.501 χ²/NDF: 11.5/28
Left Out: 1871.455+/-181.976 χ²/NDF:12.5/23
Right Out: 2097.034+/-181.728 χ²/NDF: 21.3/31
Left In: 2101.047+/-183.179 χ²/NDF:31.8/22
Left: 1985.495+/-129.100 χ²/NDF: 45.0/46
Right: 2192.802+/-130.156 χ²/NDF: 33.4/60
In: 2195.626+/-130.686 χ²/NDF:43.8/51
Out: 1984.398+/-128.589 χ²/NDF:34.6/55
All: 2088.304+/-91.658 χ²/NDF: 79.7/107



Right In: 778.894+/-0.132 χ^2/NDF: 20733.8/28

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

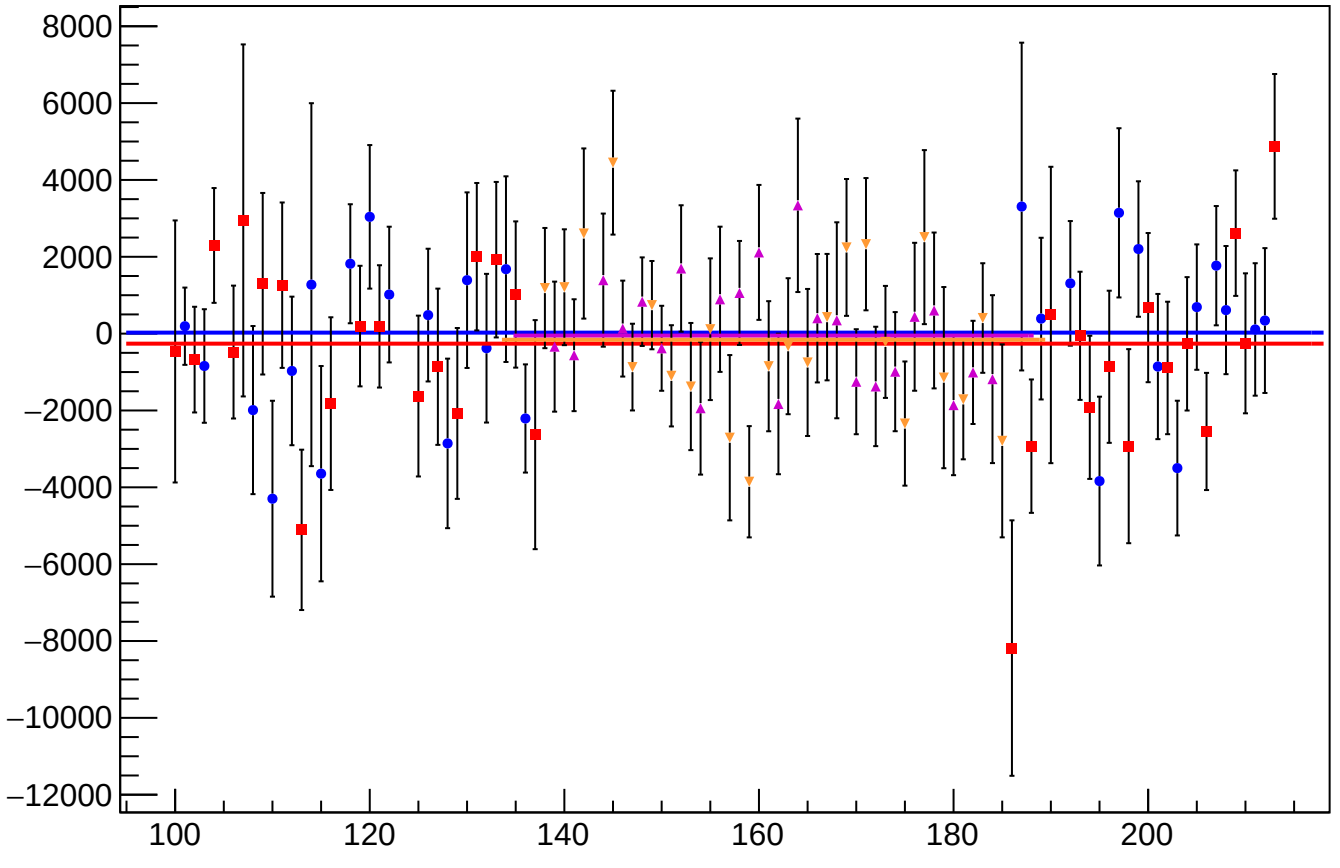
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 781.844+/-0.092 χ^2/NDF: 48289.4/60

In: 781.733+/-0.092 χ^2/NDF:26572.3/51

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

All: 783.045+/-0.065 χ^2/NDF: 58489.7/107



Right In: 26.066+/-338.678 χ^2/NDF: 29.3/28

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

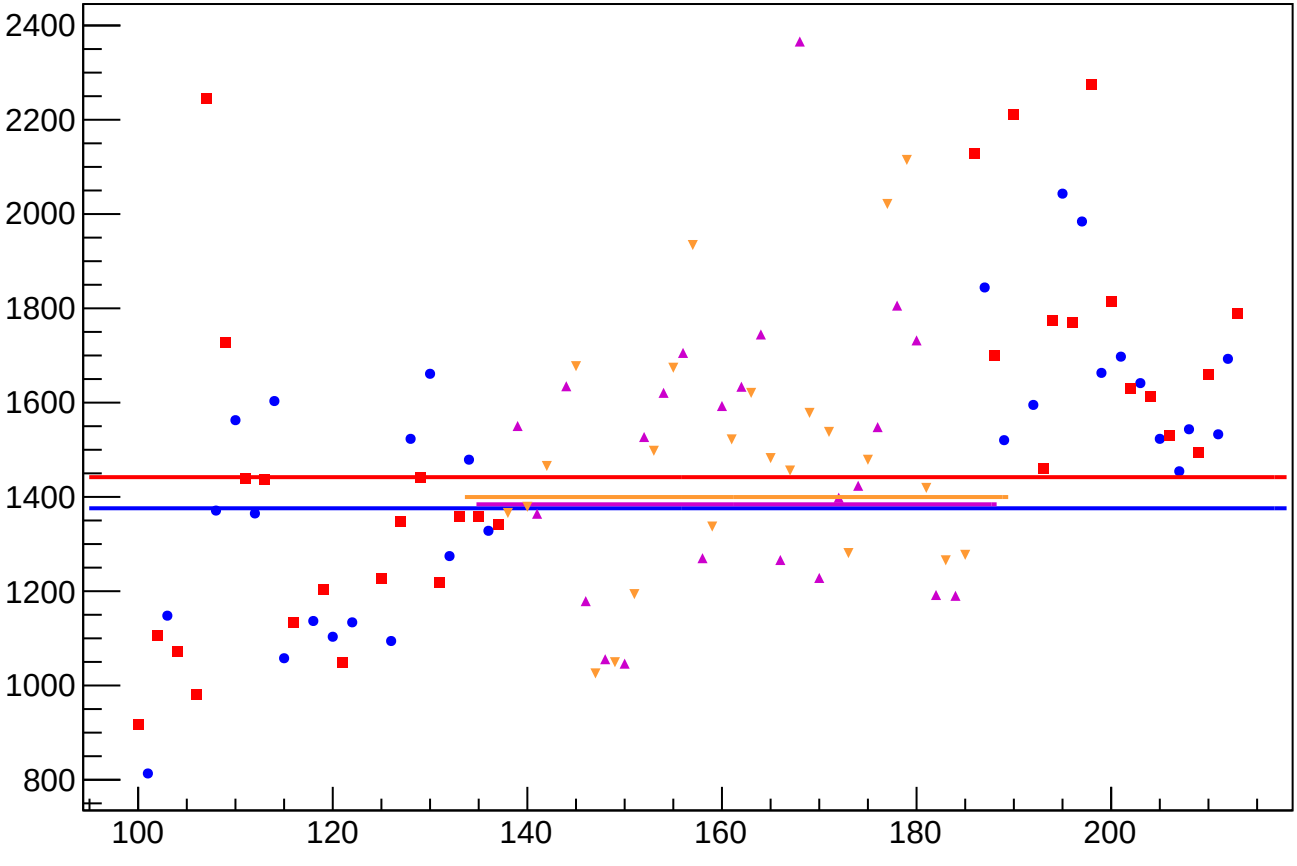
Right: -115.750+/-240.882 χ^2/NDF: 68.2/60

In: -13.943+/-236.429 χ^2/NDF:42.7/51

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

All: -110.380+/-167.913 χ^2/NDF: 110.8/107

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1375.910+/-0.239 χ^2/NDF: 1626104.9/28

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

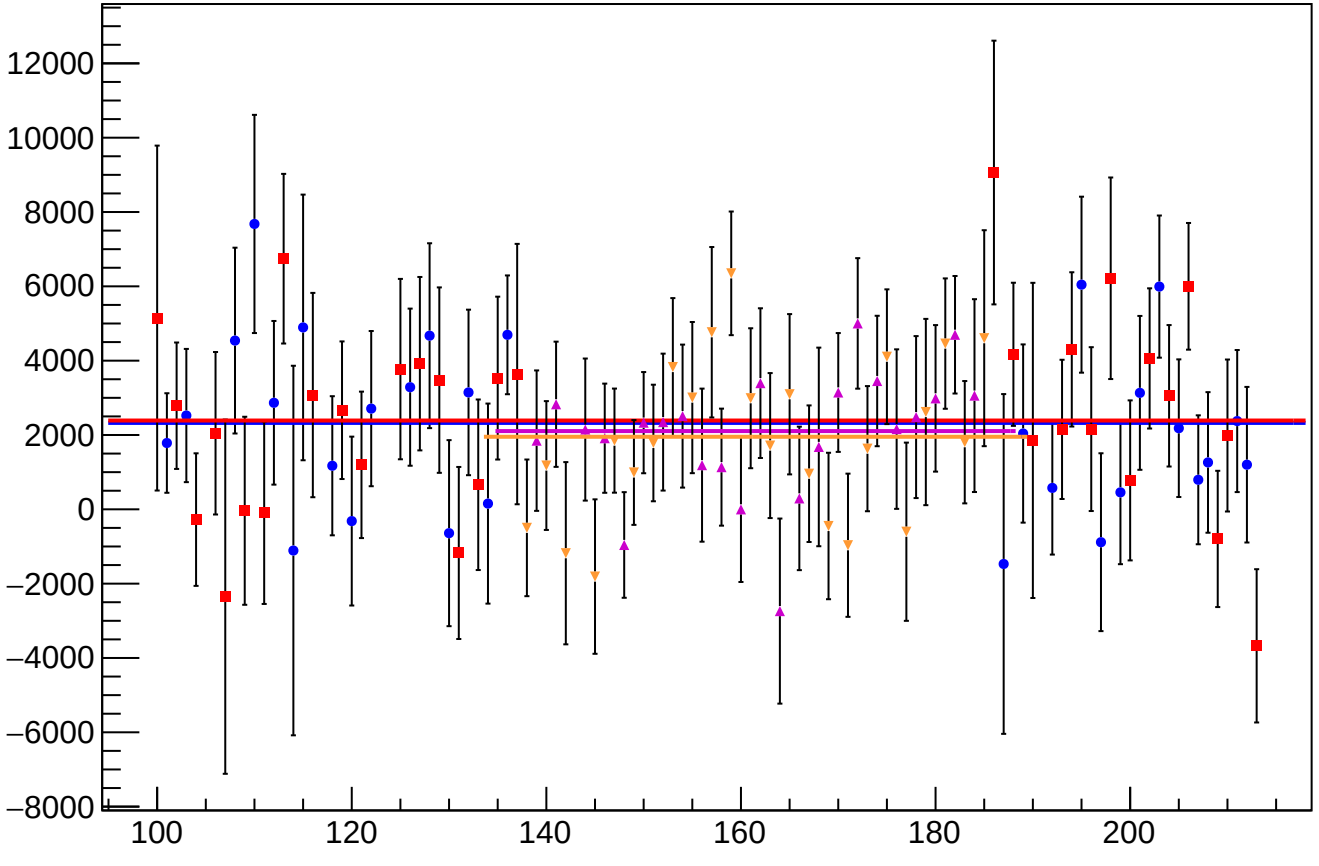
Right: 1408.526+/-0.170 χ^2/NDF: 3221000.7/60

In: 1380.230+/-0.167 χ^2/NDF:2896676.7/51

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

All: 1400.021+/-0.119 χ^2/NDF: 5634296.9/10

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2325.287+/-391.644 χ^2/NDF: 24.7/28

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

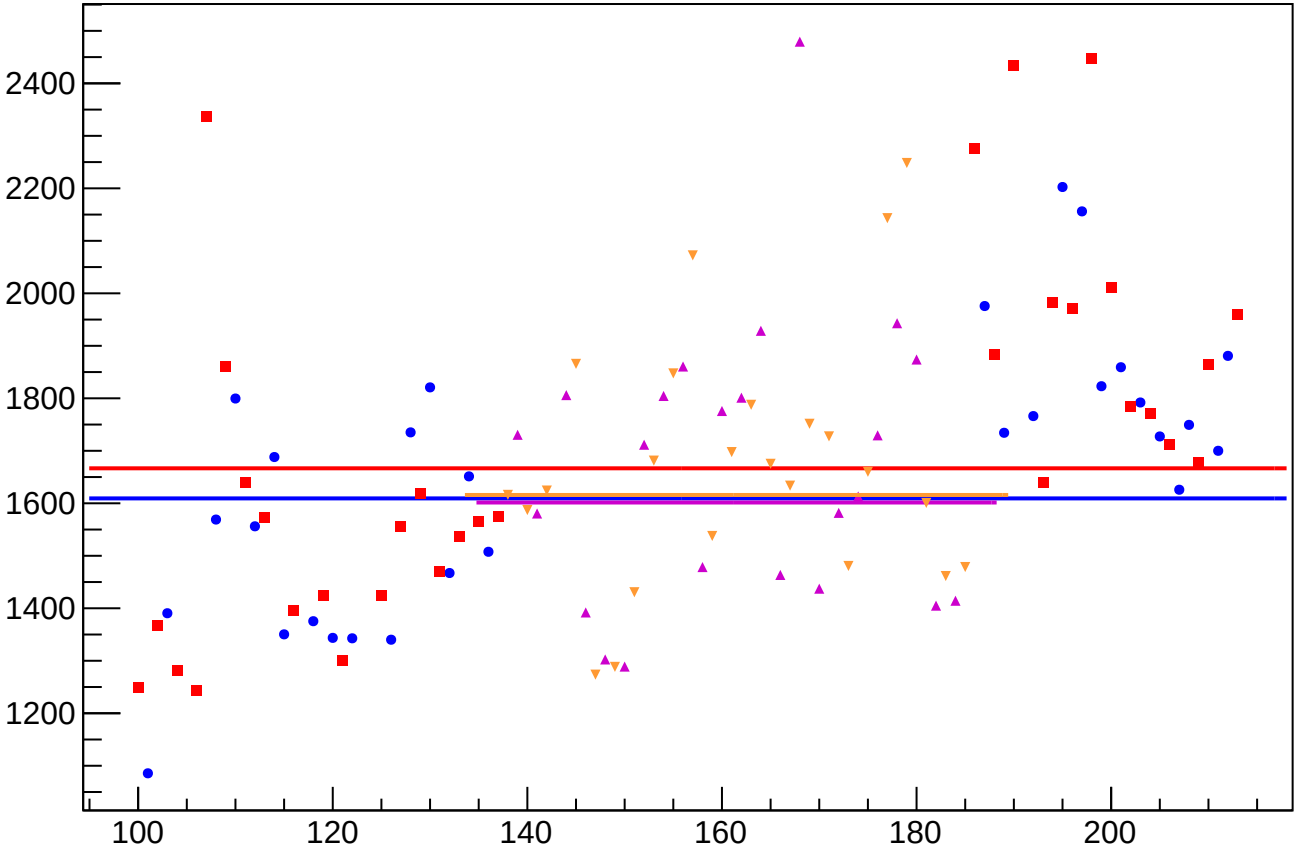
Right: 2357.304+/-277.260 χ^2/NDF: 63.6/60

In: 2211.759+/-272.373 χ^2/NDF:43.4/51

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

All: 2187.939+/-192.865 χ^2/NDF: 110.3/107

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1609.317+/-0.277 χ^2/NDF: 909242.3/28

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

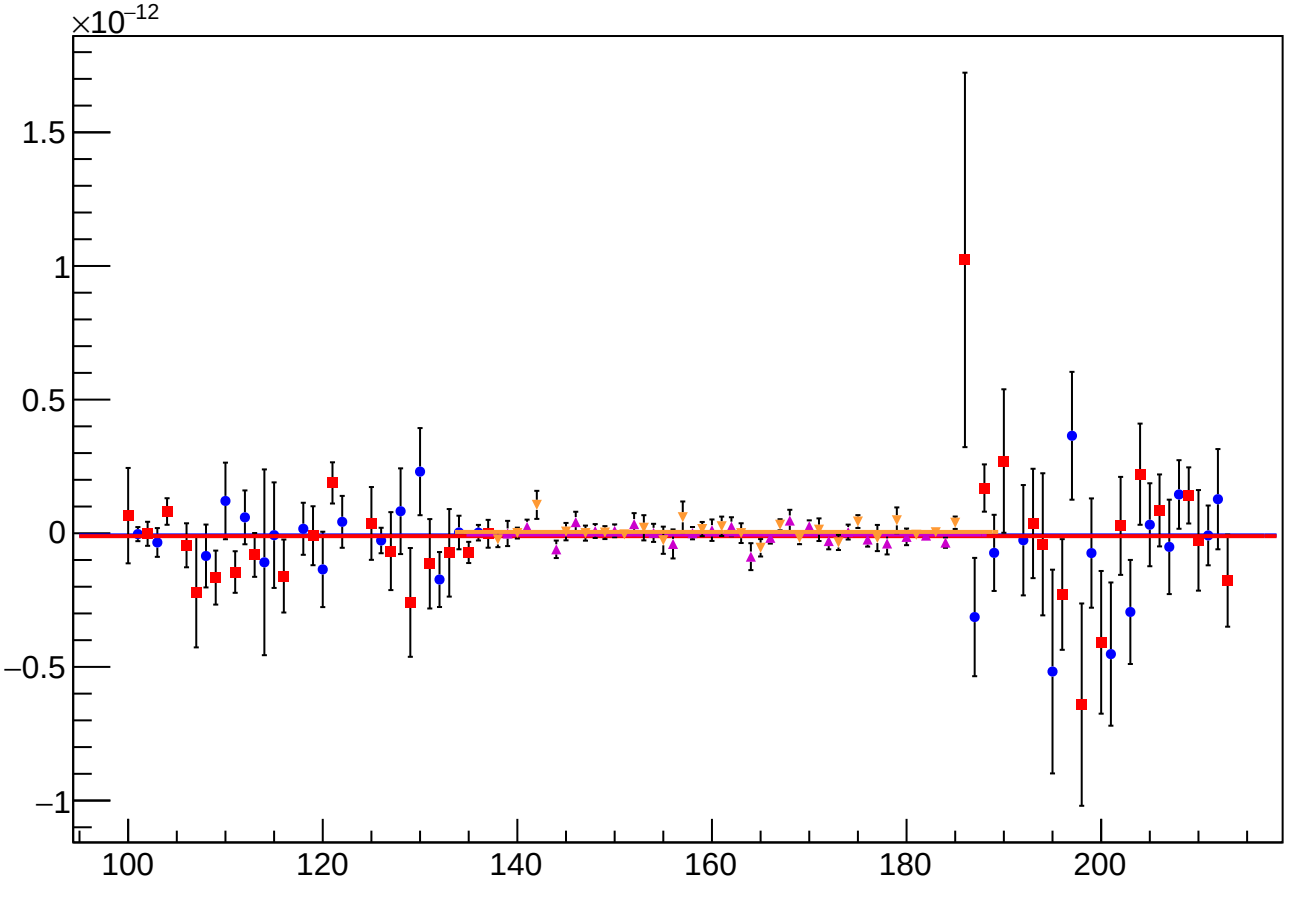
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1637.911+/-0.196 χ^2/NDF: 1930422.8/60

In: 1605.279+/-0.193 χ^2/NDF:1703376.6/51

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

All: 1622.810+/-0.136 χ^2/NDF: 3431424.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.0/28

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

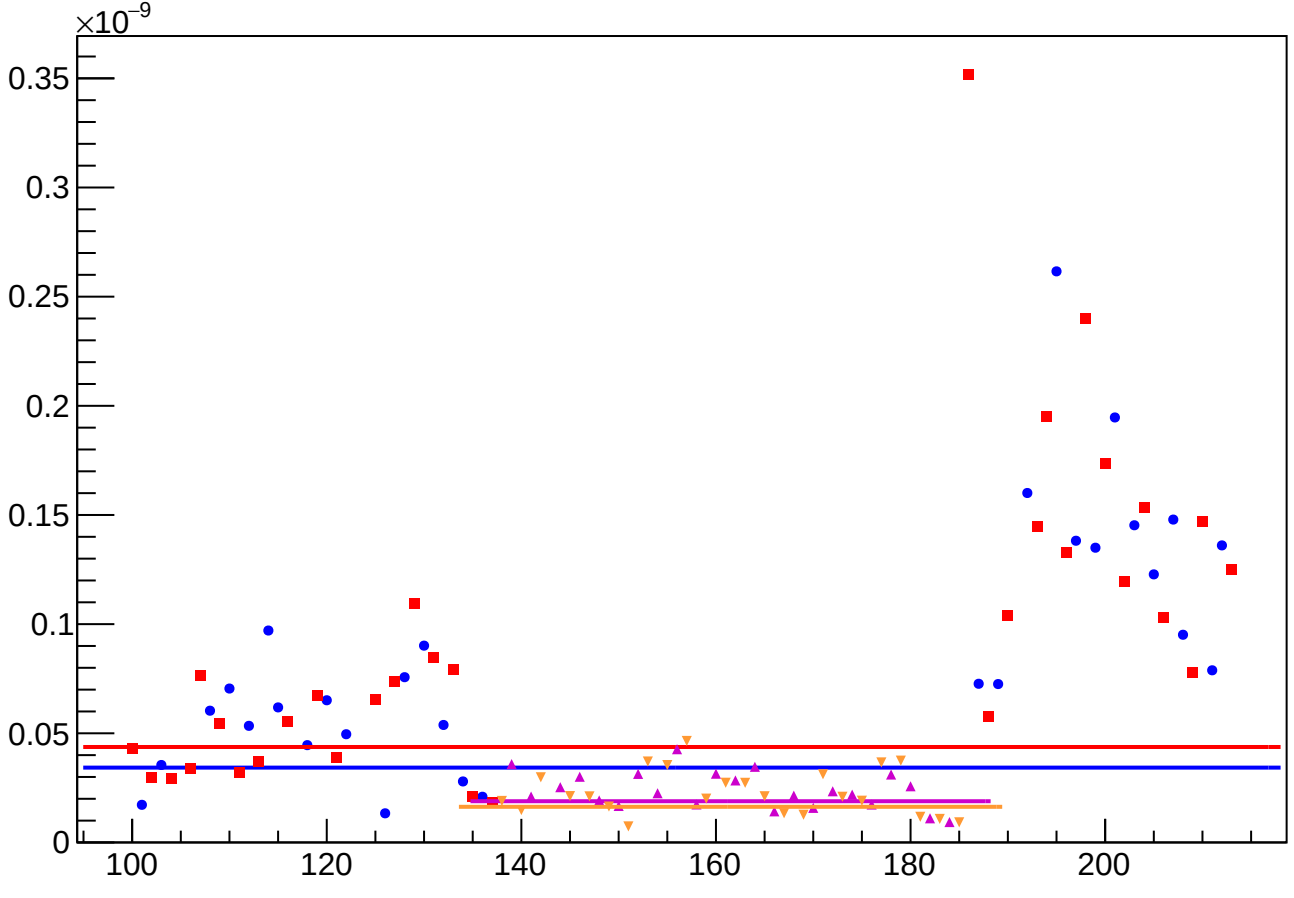
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 64.2/60

In: -0.000+/-0.000 χ^2/NDF:41.4/51

Out: 0.000+/-0.000 χ^2/NDF:64.0/55

All: -0.000+/-0.000 χ^2/NDF: 106.8/107



Right In: 0.000+/-0.000 χ^2/NDF: 9395335.8/28

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

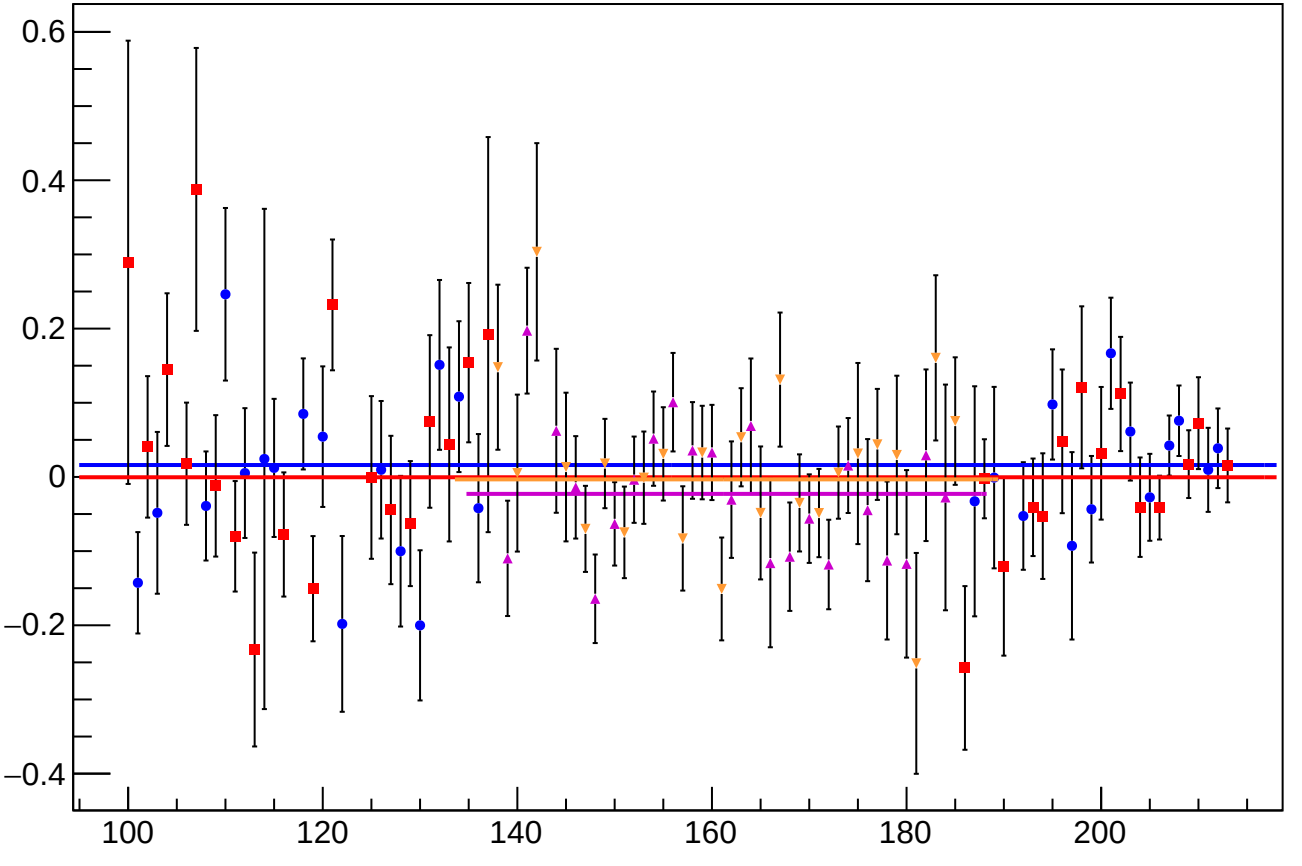
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

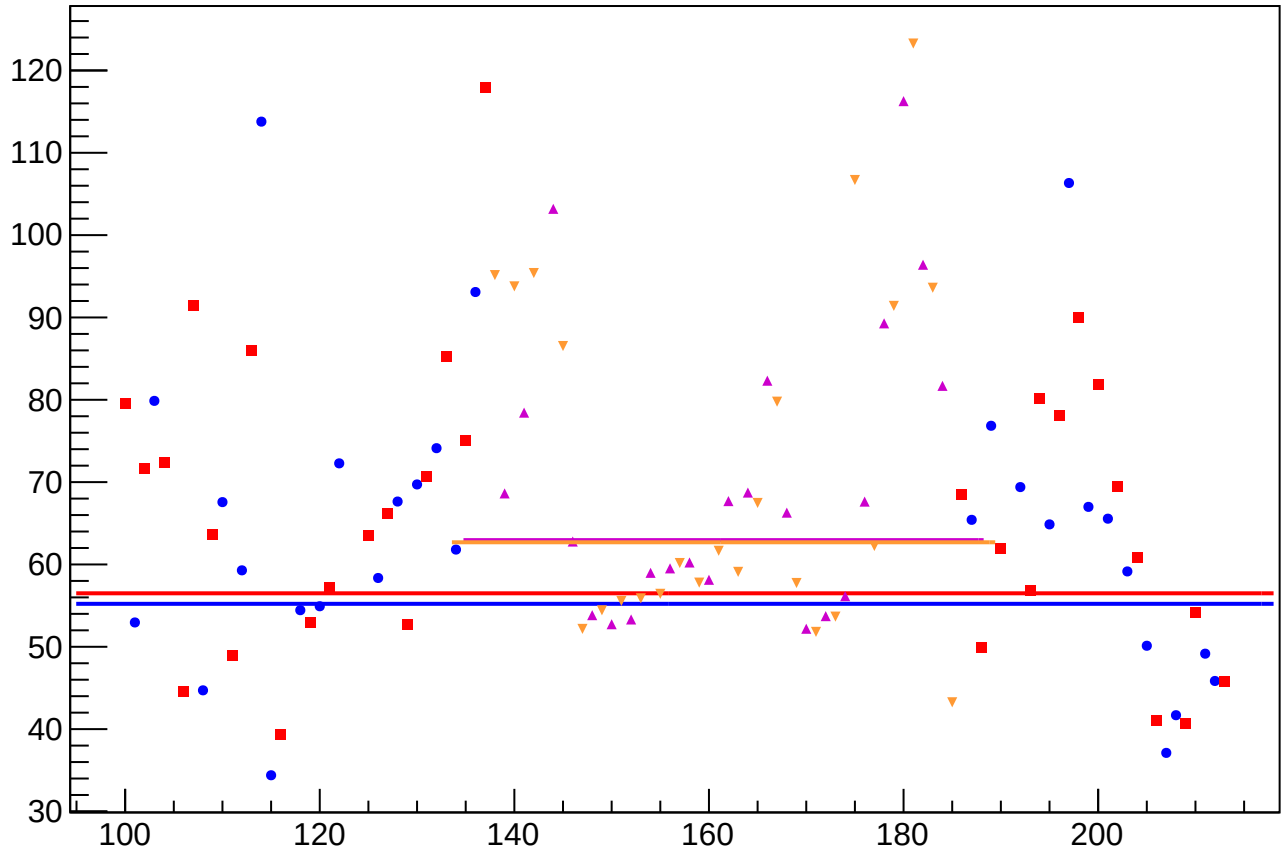
Right: 0.000+/-0.000 χ^2/NDF: 17791799.2/60

In: 0.000+/-0.000 χ^2/NDF:14600405.9/51

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

All: 0.000+/-0.000 χ^2/NDF: 31877761.1/107


asym_us_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.016+/-0.014 χ²/NDF: 33.8/28
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.000+/-0.014 χ²/NDF: 41.6/31
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: 0.008+/-0.010 χ²/NDF: 76.1/60
In: -0.002+/-0.011 χ²/NDF:66.2/51
Out: -0.002+/-0.010 χ²/NDF:67.5/55
All: -0.002+/-0.007 χ²/NDF: 133.7/107



Right In: 55.219+/-0.010 χ^2/NDF: 2065475.8/28

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

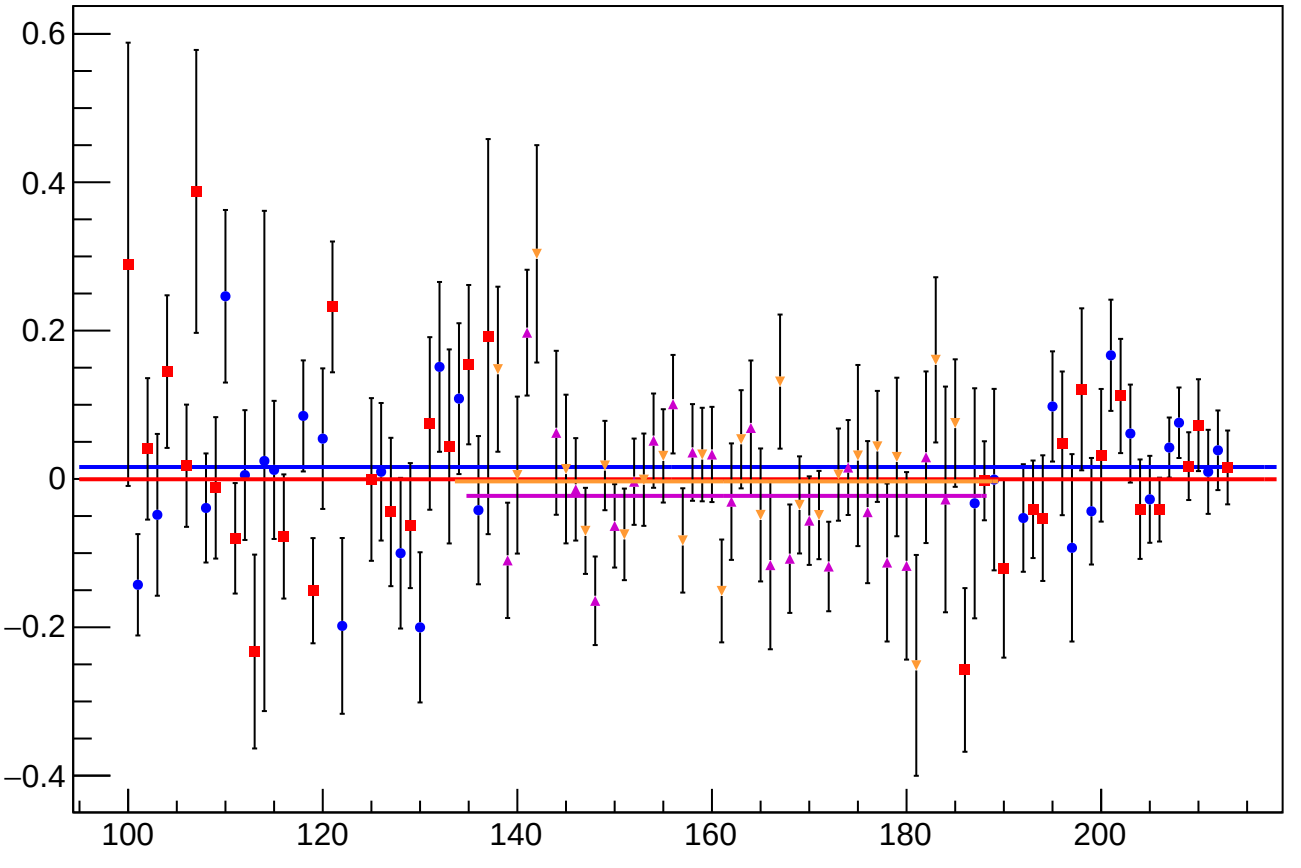
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

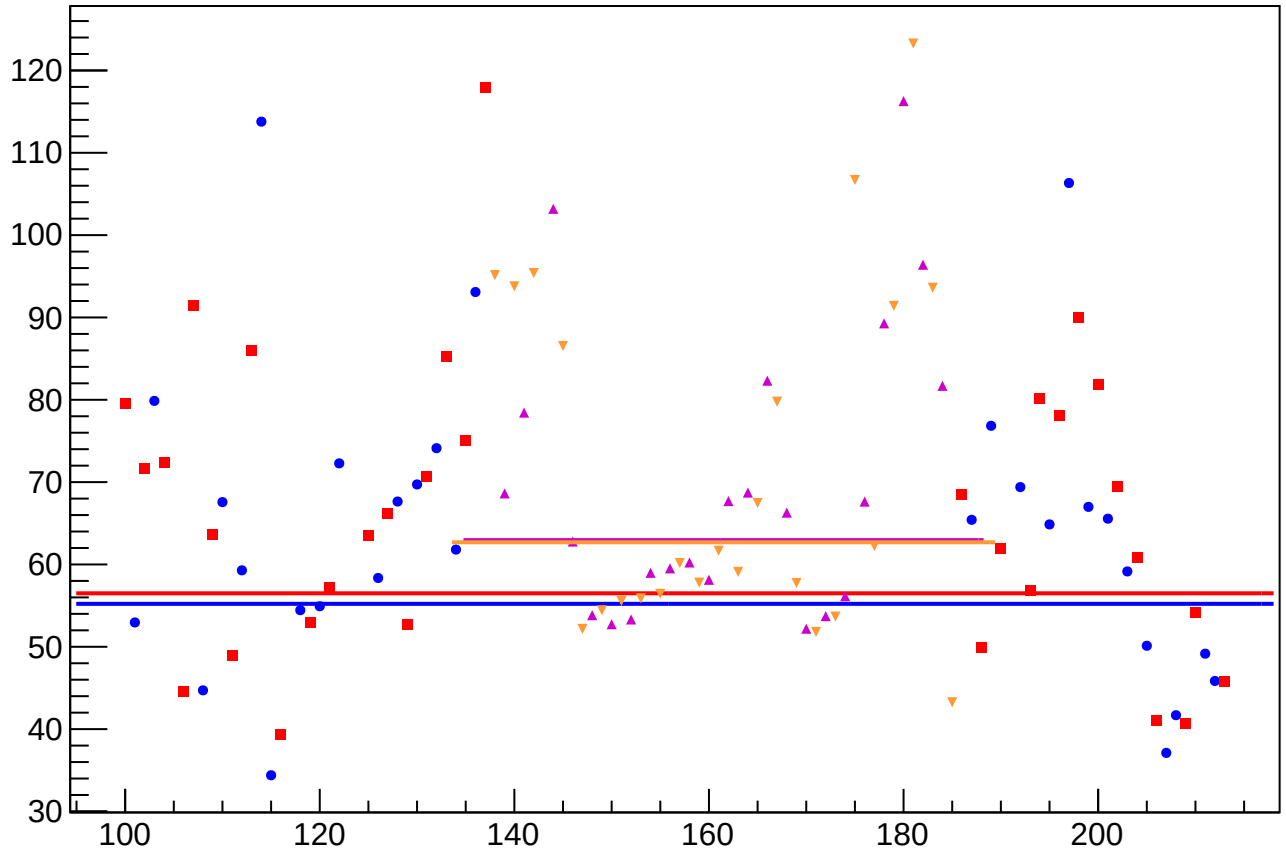
Right: 55.866+/-0.007 χ^2/NDF: 4160669.6/60

In: 58.773+/-0.007 χ^2/NDF:3765516.4/51

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

All: 59.041+/-0.005 χ^2/NDF: 7969696.2/107


asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.016+/-0.014 χ²/NDF: 33.8/28
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.000+/-0.014 χ²/NDF: 41.6/31
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: 0.008+/-0.010 χ²/NDF: 76.1/60
In: -0.002+/-0.011 χ²/NDF:66.2/51
Out: -0.002+/-0.010 χ²/NDF:67.5/55
All: -0.002+/-0.007 χ²/NDF: 133.7/107



Right In: 55.219+/-0.010 χ^2/NDF: 2065475.8/28

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

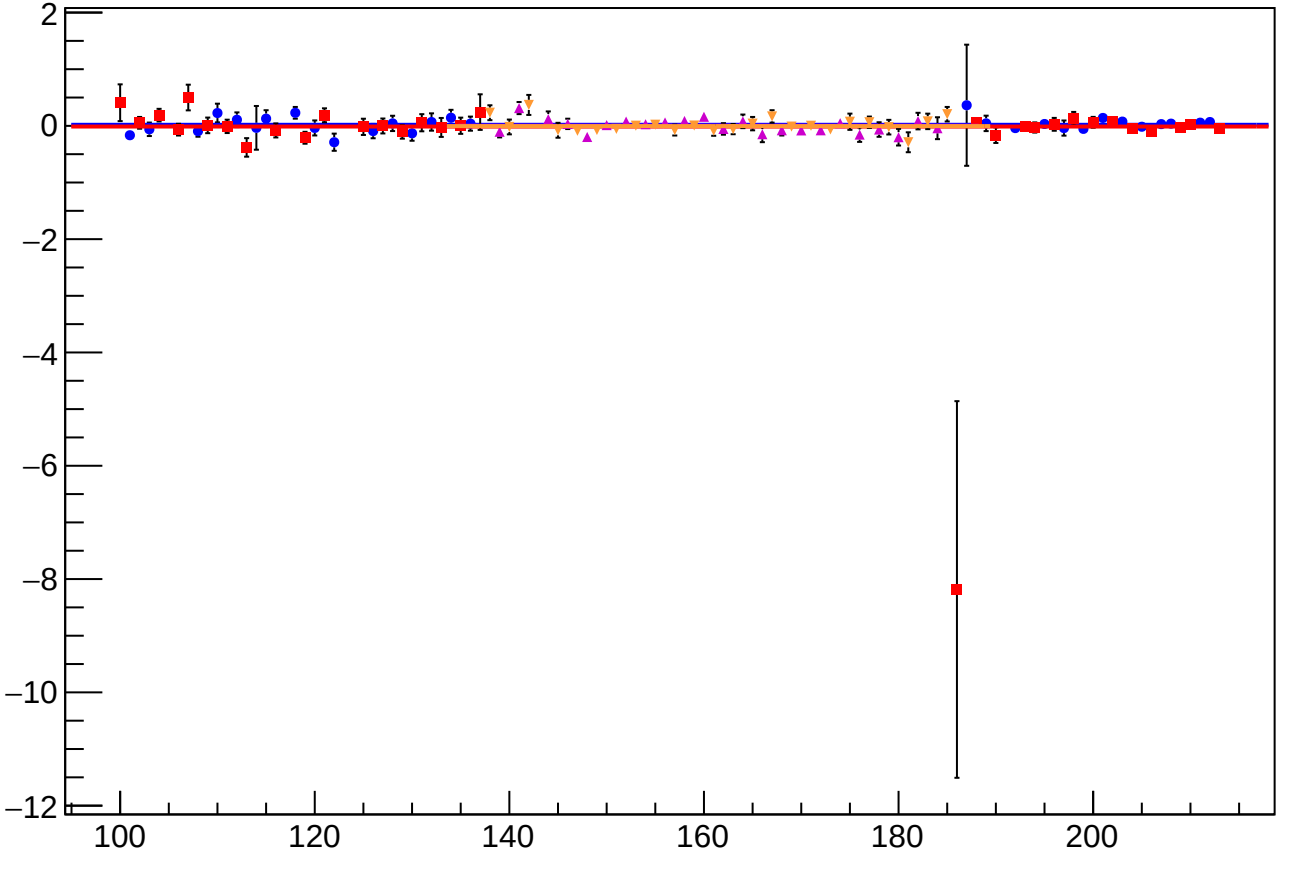
Right: 55.866+/-0.007 χ^2/NDF: 4160669.6/60

In: 58.773+/-0.007 χ^2/NDF:3765516.4/51

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

All: 59.041+/-0.005 χ^2/NDF: 7969696.2/107

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.018 χ^2/NDF: 26.7/28

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

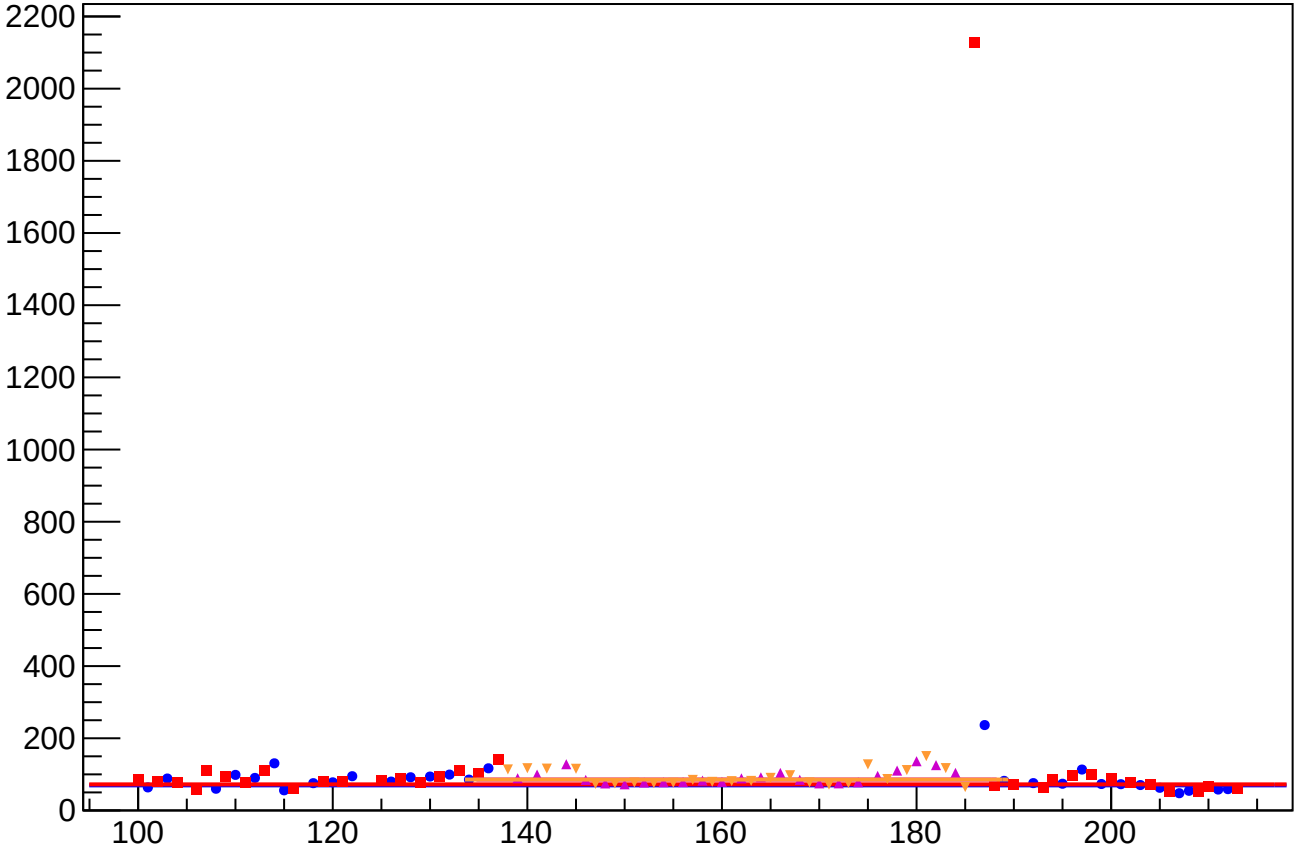
Right: 0.003+/-0.013 χ^2/NDF: 67.1/60

In: 0.012+/-0.013 χ^2/NDF:57.6/51

Out: -0.009+/-0.014 χ^2/NDF:60.4/55

All: 0.001+/-0.010 χ^2/NDF: 119.1/107

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.501+/-0.013 χ^2/NDF: 1765726.0/28

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

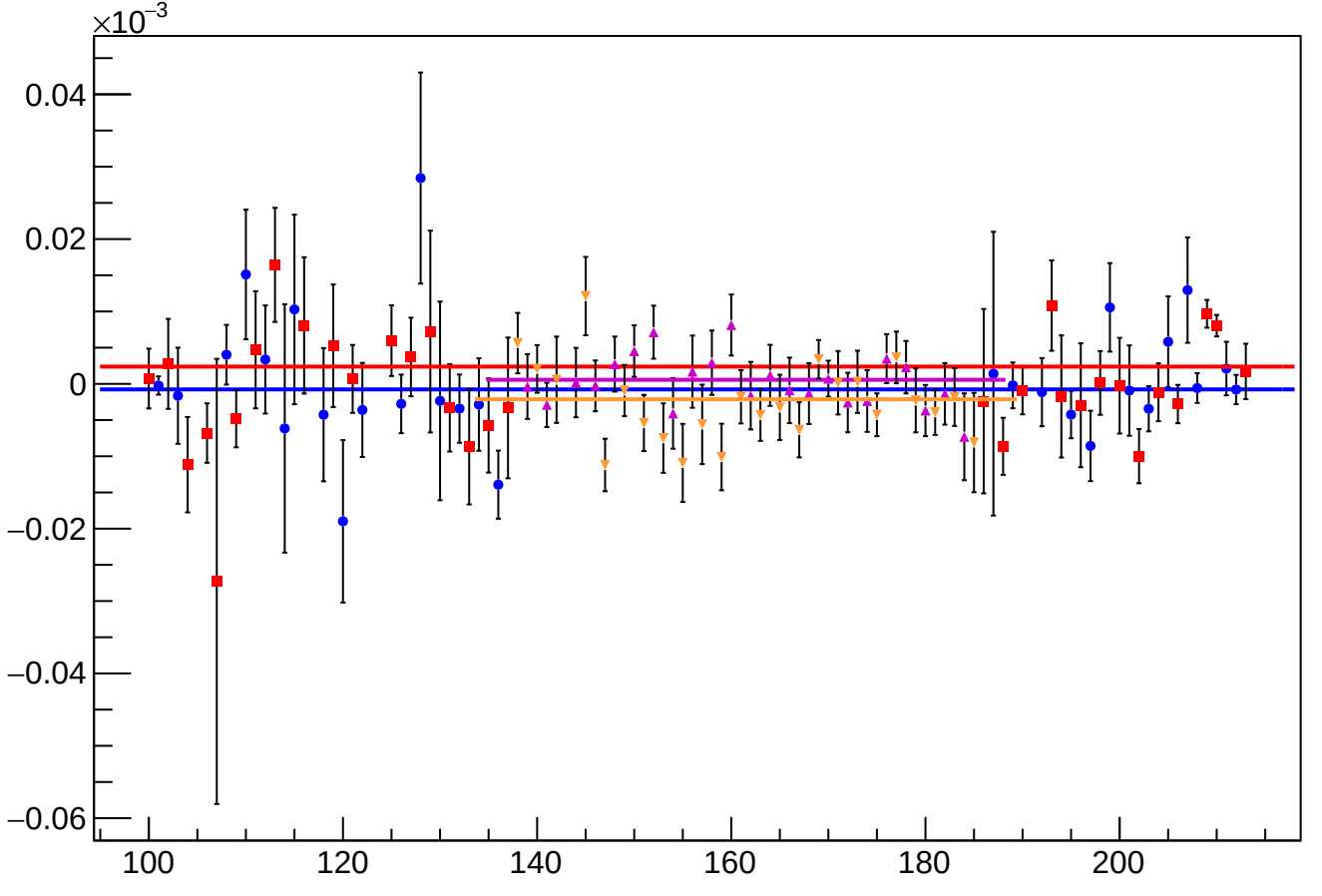
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 70.884+/-0.009 χ^2/NDF: 4100192.5/60

In: 76.362+/-0.010 χ^2/NDF:3466578.2/51

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

All: 77.170+/-0.007 χ^2/NDF: 7623114.4/107



Right In: -0.000+/-0.000 χ^2/NDF: 34.5/28

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

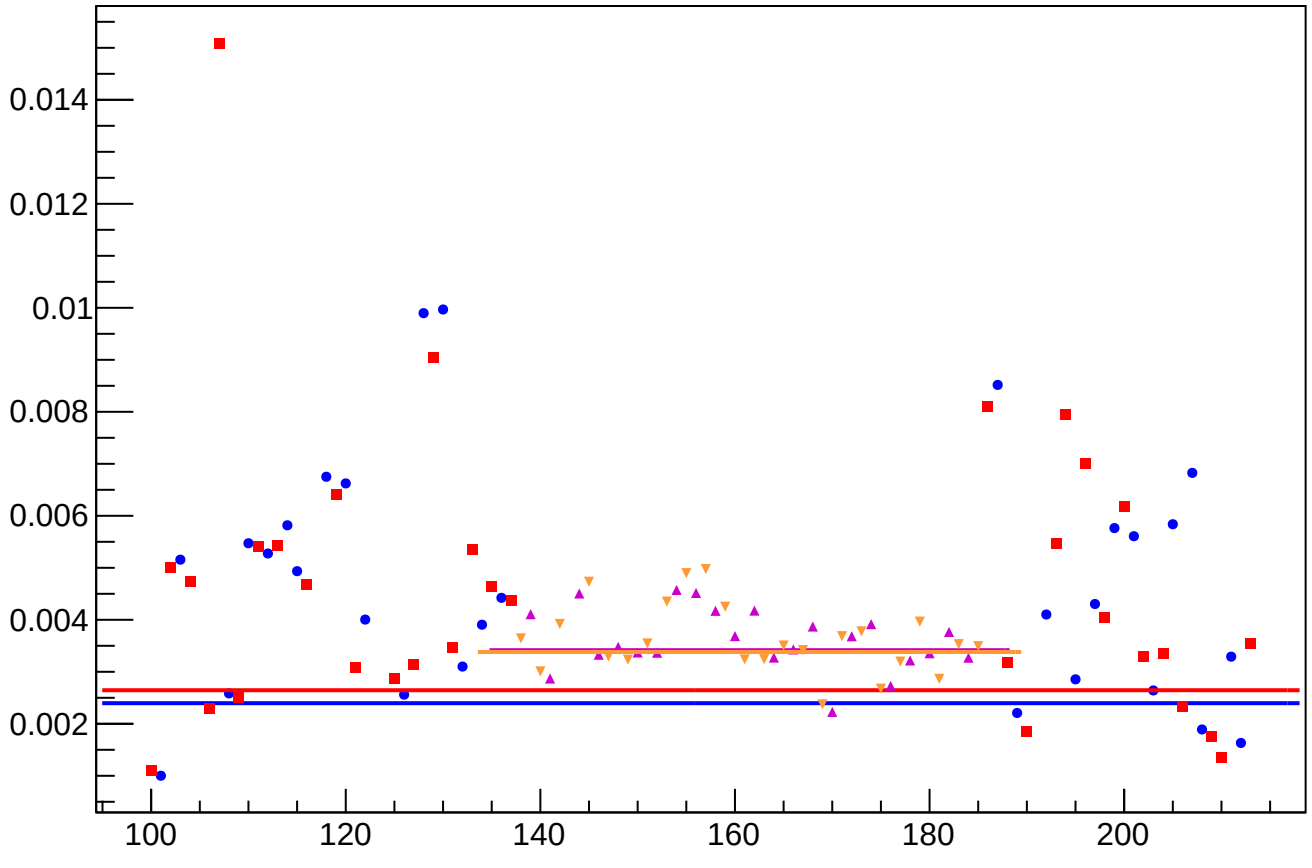
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: 0.000+/-0.000 χ^2/NDF: 123.6/60

In: -0.000+/-0.000 χ^2/NDF:52.6/51

Out: 0.000+/-0.000 χ^2/NDF:134.0/55

All: 0.000+/-0.000 χ^2/NDF: 187.2/107



Right In: 0.002+/-0.000 χ^2/NDF: 9854572.0/28

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

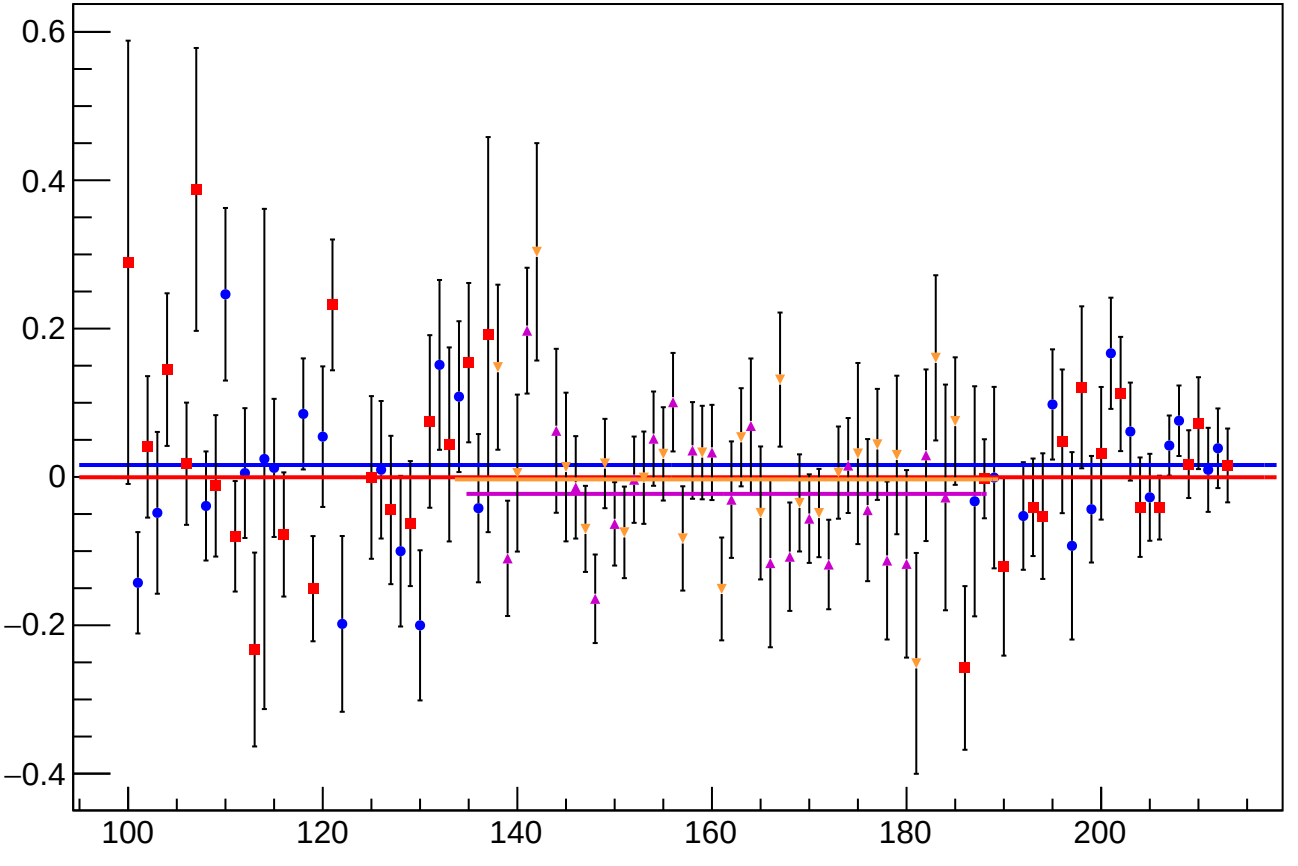
Right: 0.003+/-0.000 χ^2/NDF: 18268669.7/60

In: 0.003+/-0.000 χ^2/NDF:12818663.4/51

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

All: 0.003+/-0.000 χ^2/NDF: 23292561.3/107

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.014 χ^2/NDF: 33.8/28

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

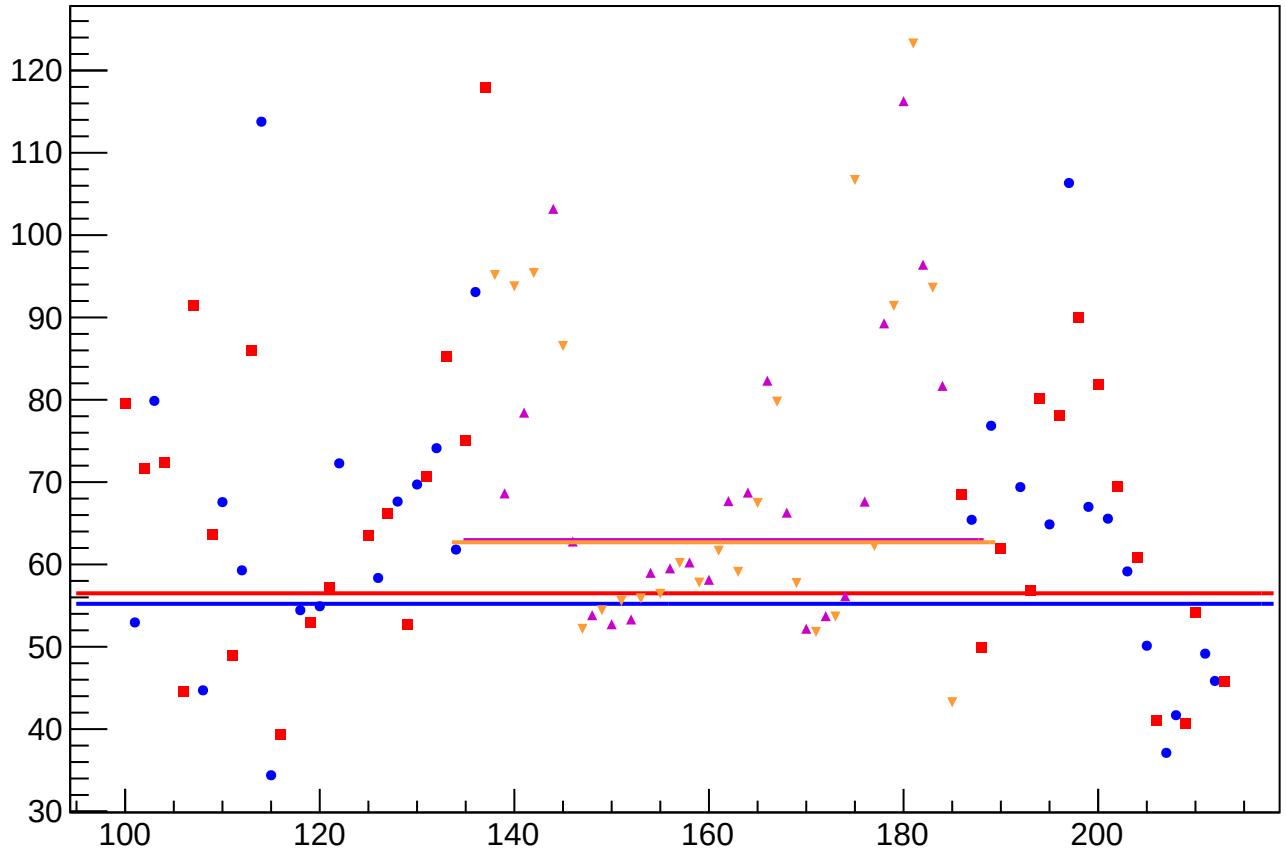
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.008+/-0.010 χ^2/NDF: 76.1/60

In: -0.002+/-0.011 χ^2/NDF:66.2/51

Out: -0.002+/-0.010 χ^2/NDF:67.5/55

All: -0.002+/-0.007 χ^2/NDF: 133.7/107



Right In: 55.219+/-0.010 χ^2/NDF: 2065340.4/28

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

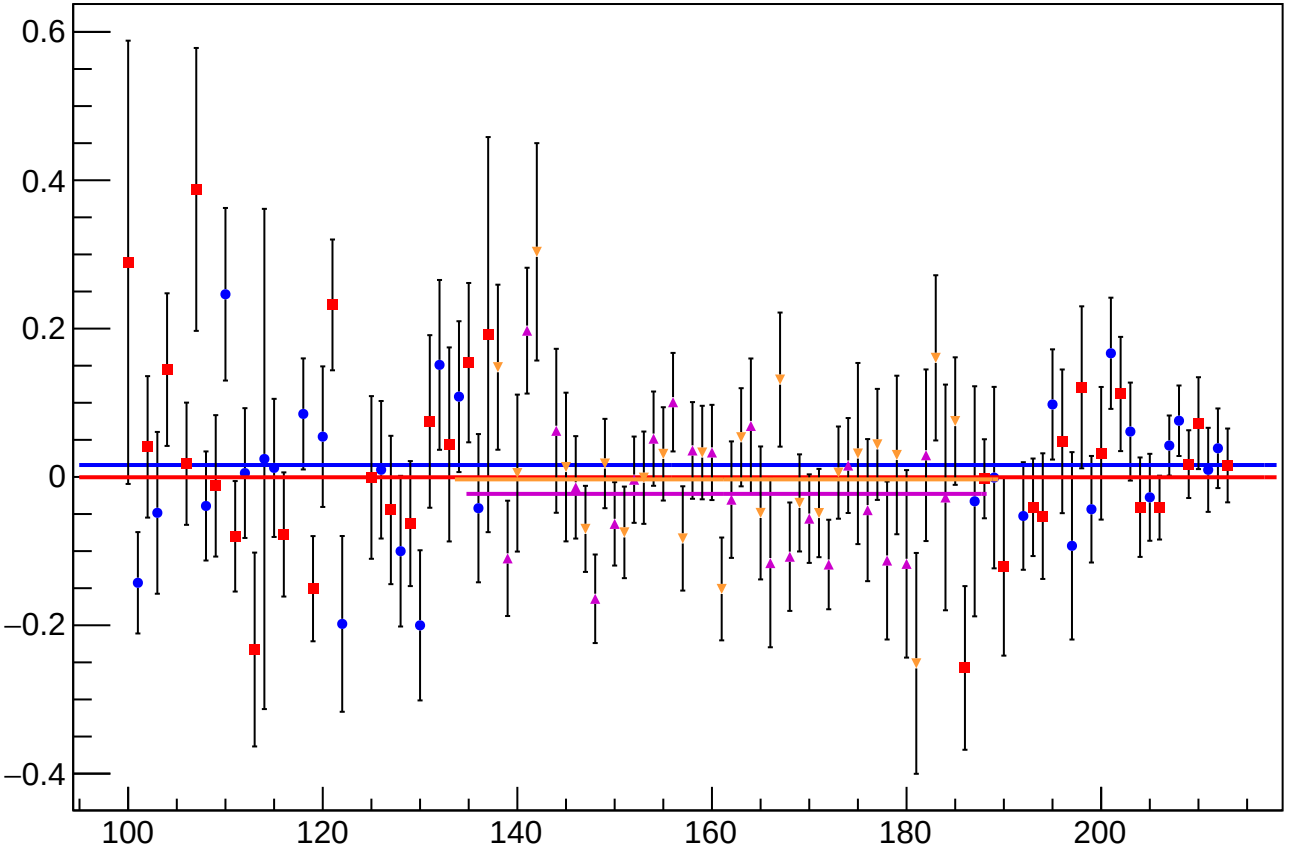
Right: 55.866+/-0.007 χ^2/NDF: 4160348.8/60

In: 58.773+/-0.007 χ^2/NDF:3765366.7/51

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

All: 59.041+/-0.005 χ^2/NDF: 7969384.9/107

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.014 χ^2/NDF: 33.8/28

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

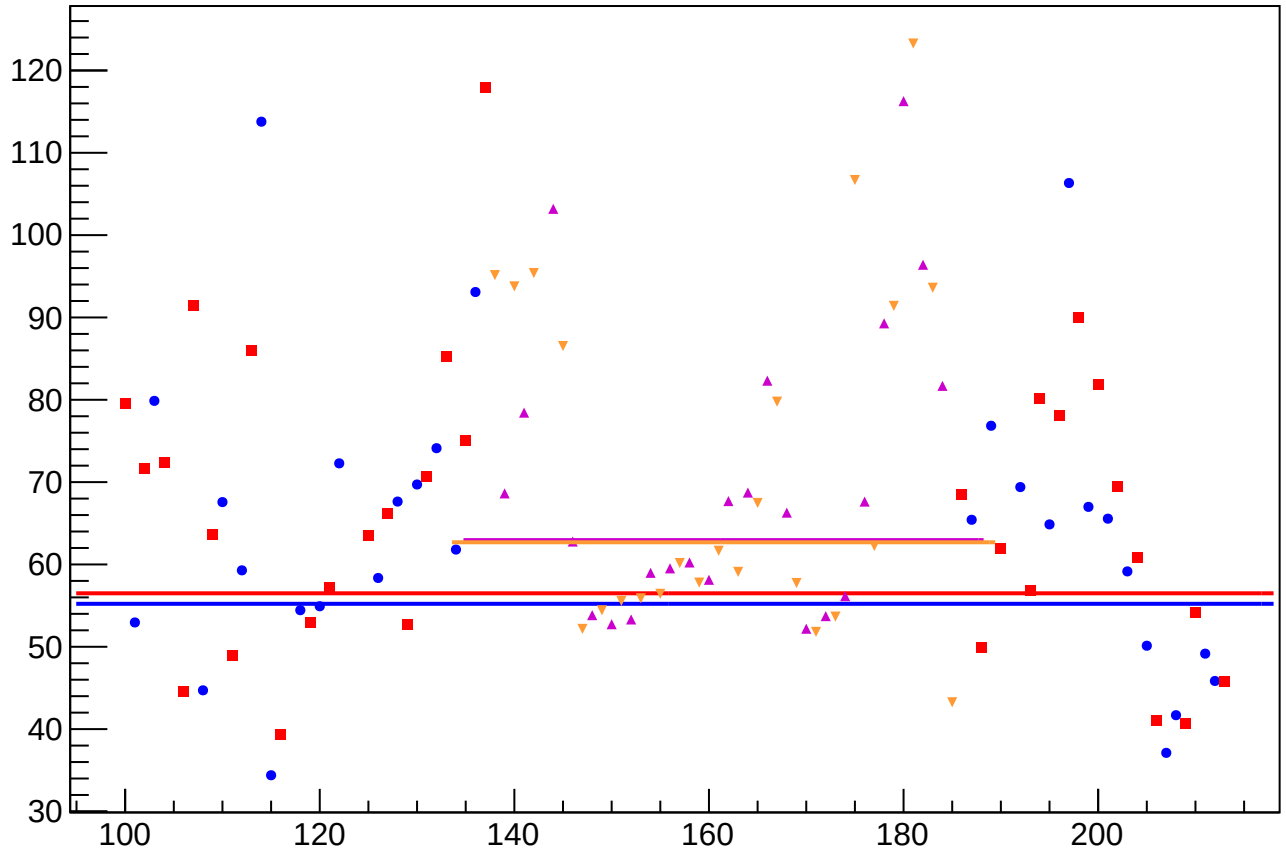
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.008+/-0.010 χ^2/NDF: 76.1/60

In: -0.002+/-0.011 χ^2/NDF:66.2/51

Out: -0.002+/-0.010 χ^2/NDF:67.5/55

All: -0.002+/-0.007 χ^2/NDF: 133.7/107



Right In: 55.219+/-0.010 χ^2/NDF: 2065340.4/28

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

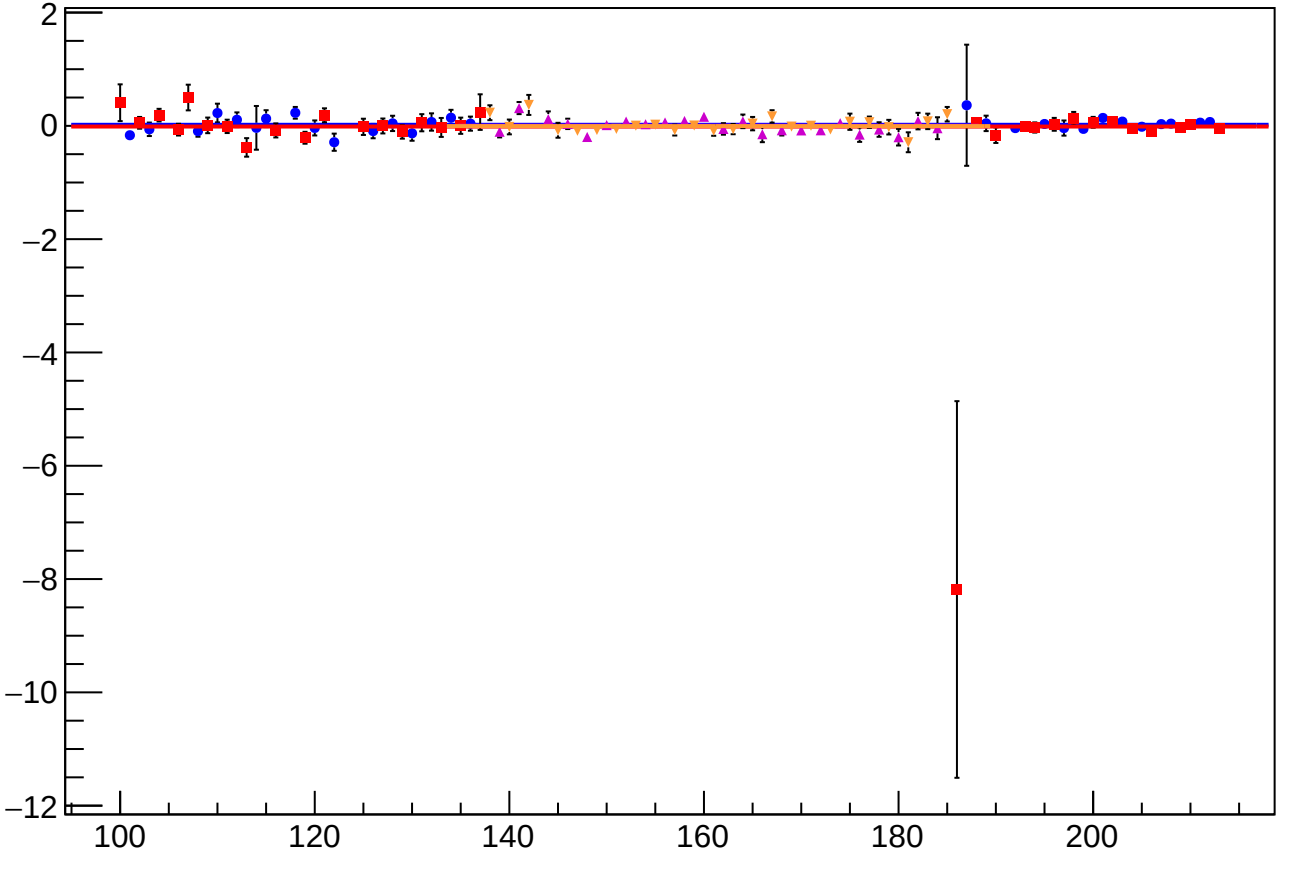
Right: 55.866+/-0.007 χ^2/NDF: 4160348.8/60

In: 58.773+/-0.007 χ^2/NDF:3765366.7/51

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

All: 59.041+/-0.005 χ^2/NDF: 7969384.9/107

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.018 χ^2/NDF: 26.7/28

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

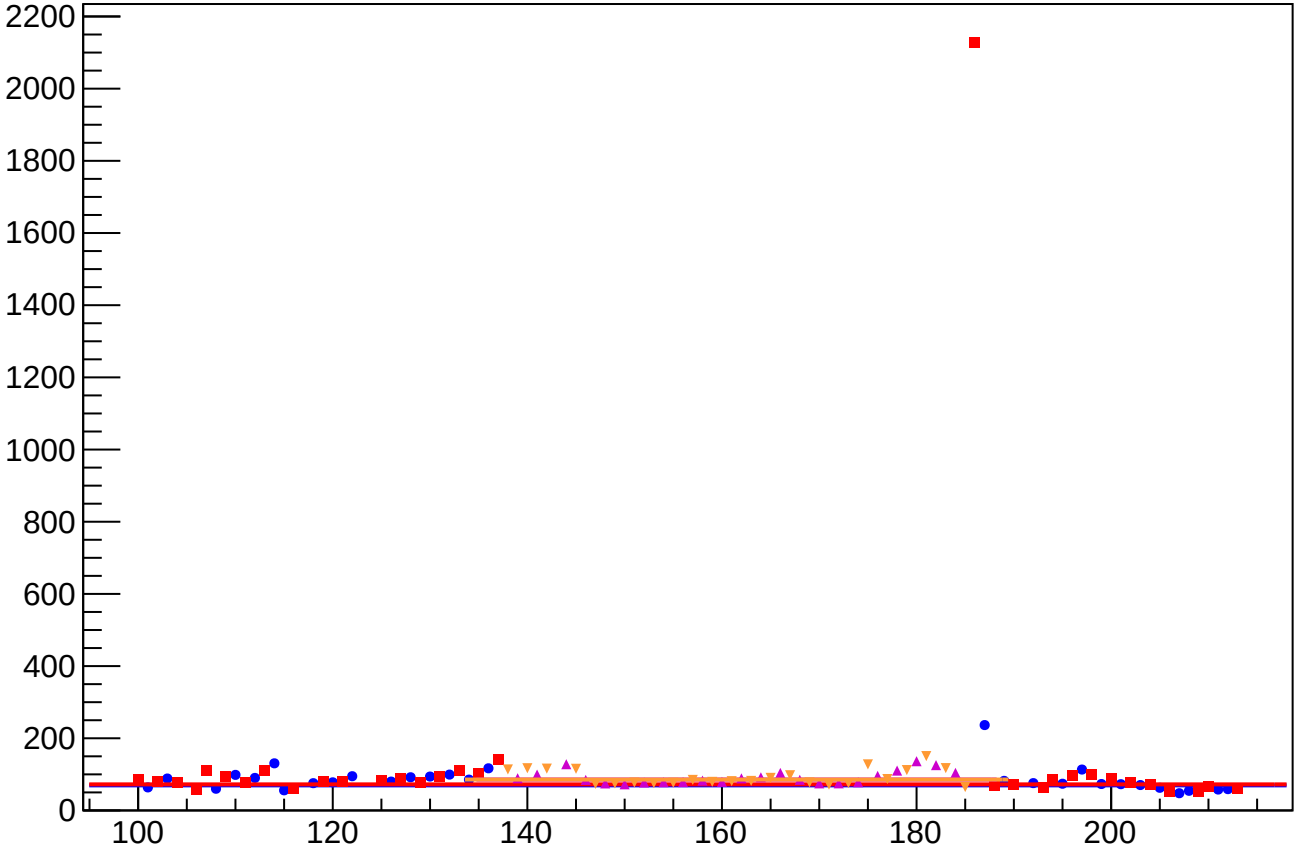
Right: 0.003+/-0.013 χ^2/NDF: 67.1/60

In: 0.012+/-0.013 χ^2/NDF:57.6/51

Out: -0.009+/-0.014 χ^2/NDF:60.4/55

All: 0.001+/-0.010 χ^2/NDF: 119.1/107

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.501+/-0.013 χ^2/NDF: 1765598.2/28

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

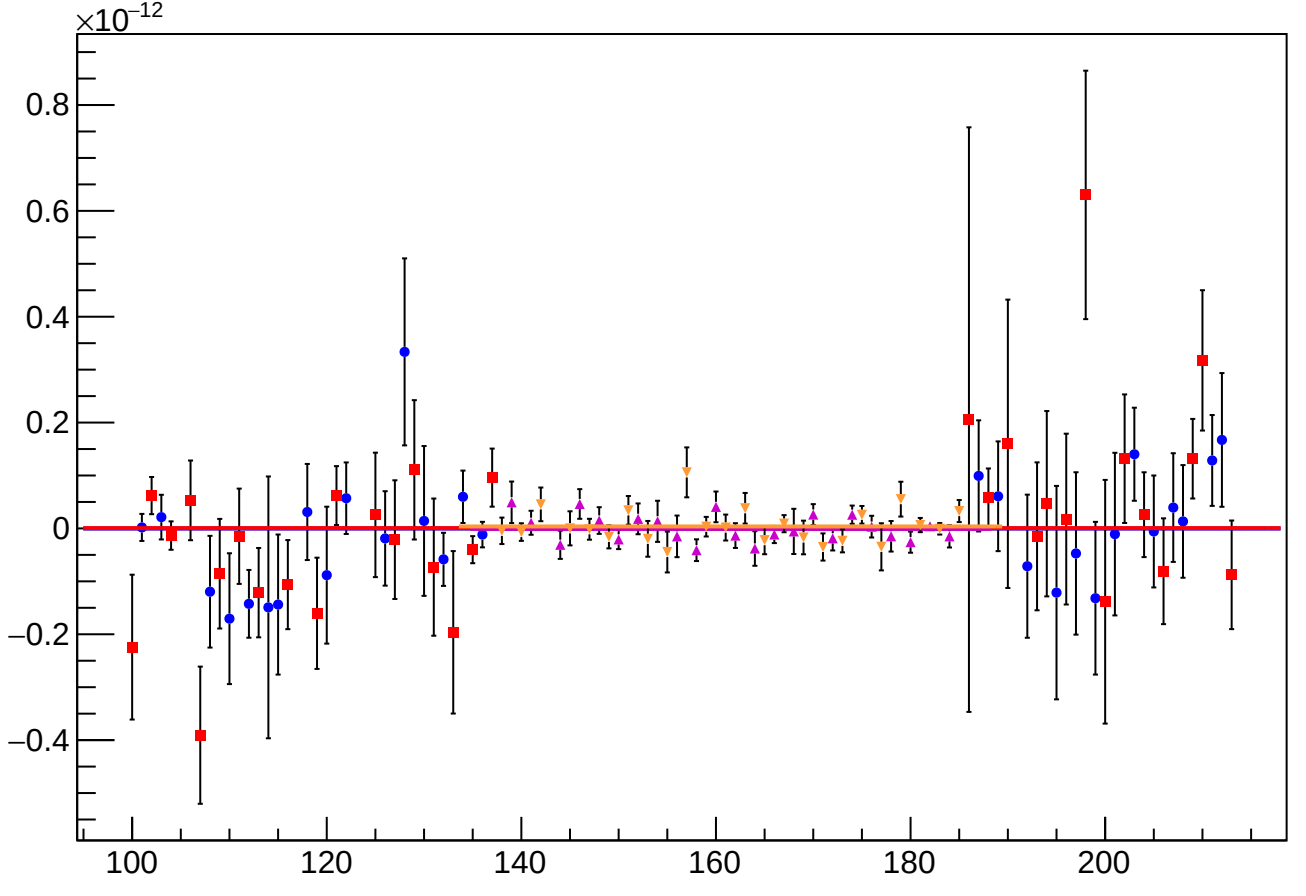
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 70.884+/-0.009 χ^2/NDF: 4099956.9/60

In: 76.362+/-0.010 χ^2/NDF:3466439.6/51

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

All: 77.170+/-0.007 χ^2/NDF: 7622894.1/107



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/28

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

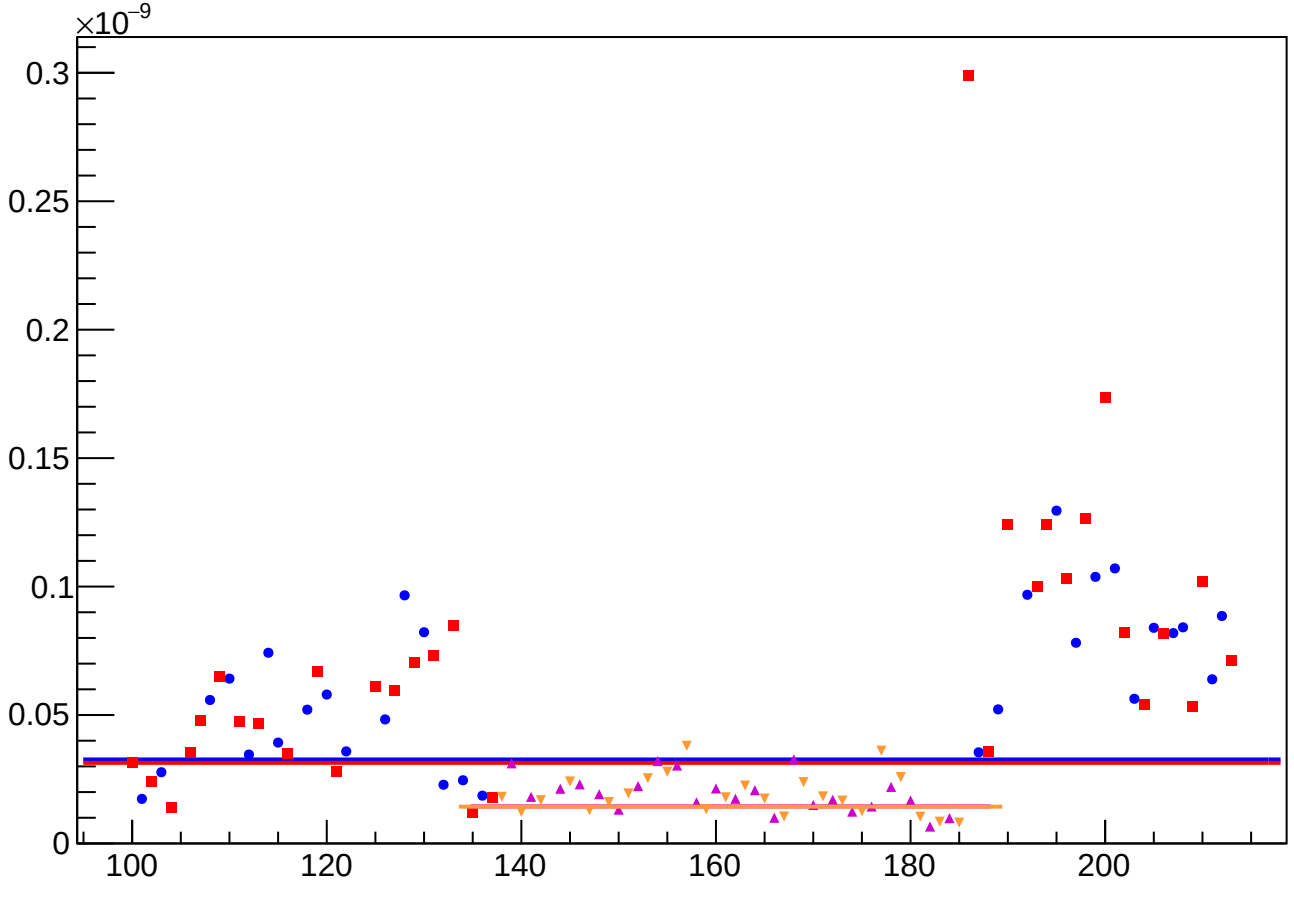
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: 0.000+/-0.000 χ^2/NDF: 80.0/60

In: -0.000+/-0.000 χ^2/NDF:51.1/51

Out: 0.000+/-0.000 χ^2/NDF:77.6/55

All: 0.000+/-0.000 χ^2/NDF: 129.2/107



Right In: 0.000+/-0.000 χ^2/NDF: 6900356.1/28

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

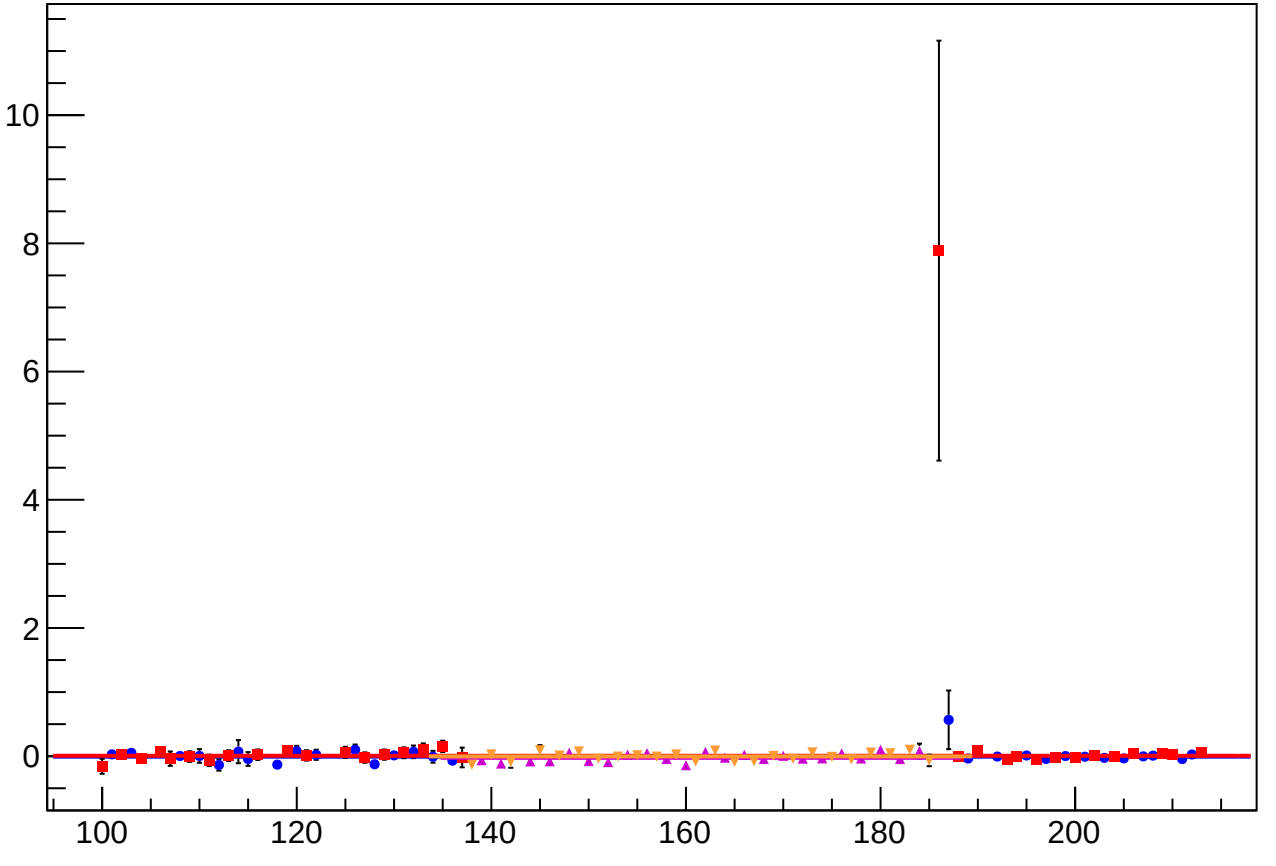
Right: 0.000+/-0.000 χ^2/NDF: 15900198.4/60

In: 0.000+/-0.000 χ^2/NDF:15106908.9/51

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

All: 0.000+/-0.000 χ^2/NDF: 31178544.9/107

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.008 χ^2/NDF: 23.4/28

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

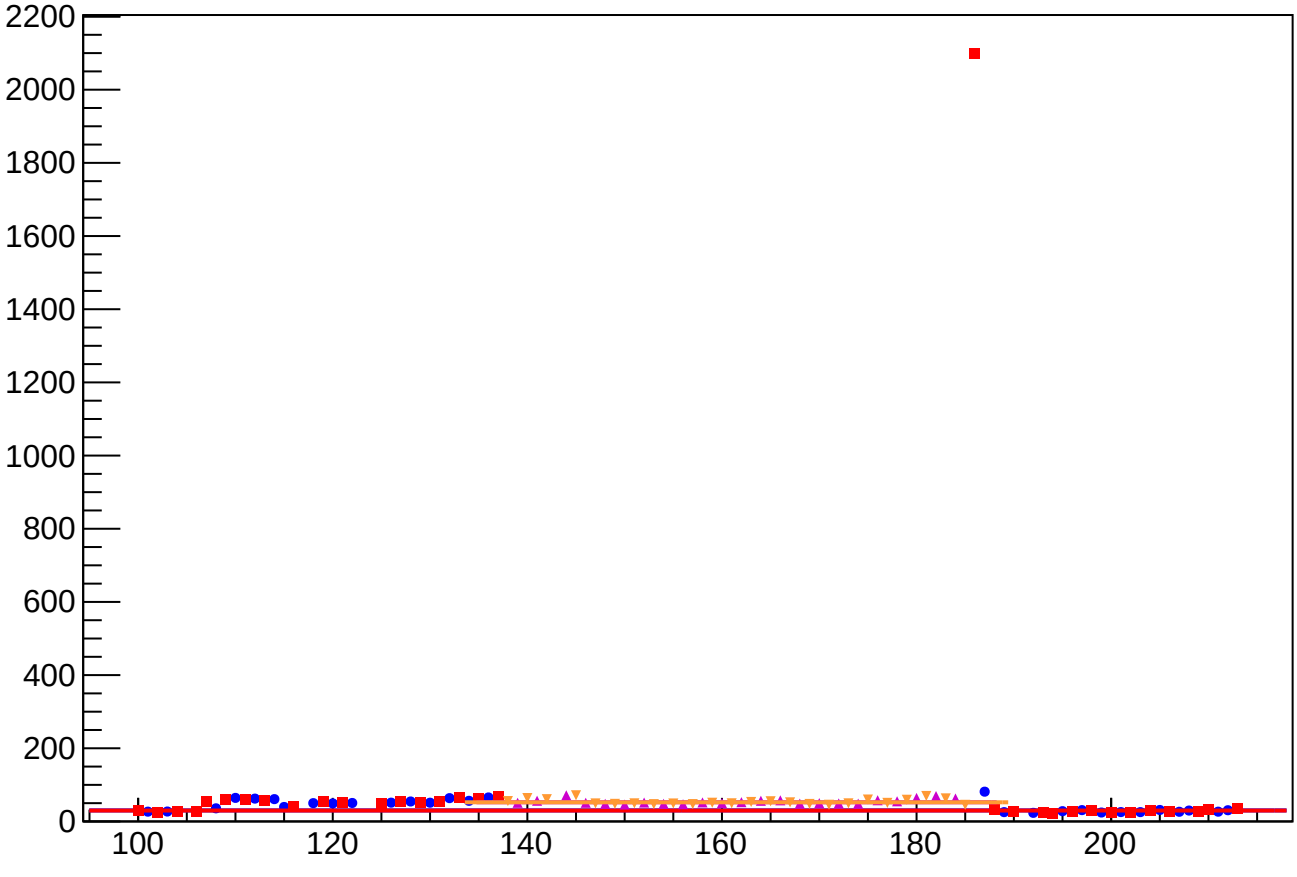
Right: -0.000+/-0.005 χ^2/NDF: 61.3/60

In: -0.012+/-0.007 χ^2/NDF:49.2/51

Out: 0.004+/-0.006 χ^2/NDF:59.9/55

All: -0.004+/-0.005 χ^2/NDF: 112.2/107

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.182+/-0.006 χ^2/NDF: 2863862.2/28

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

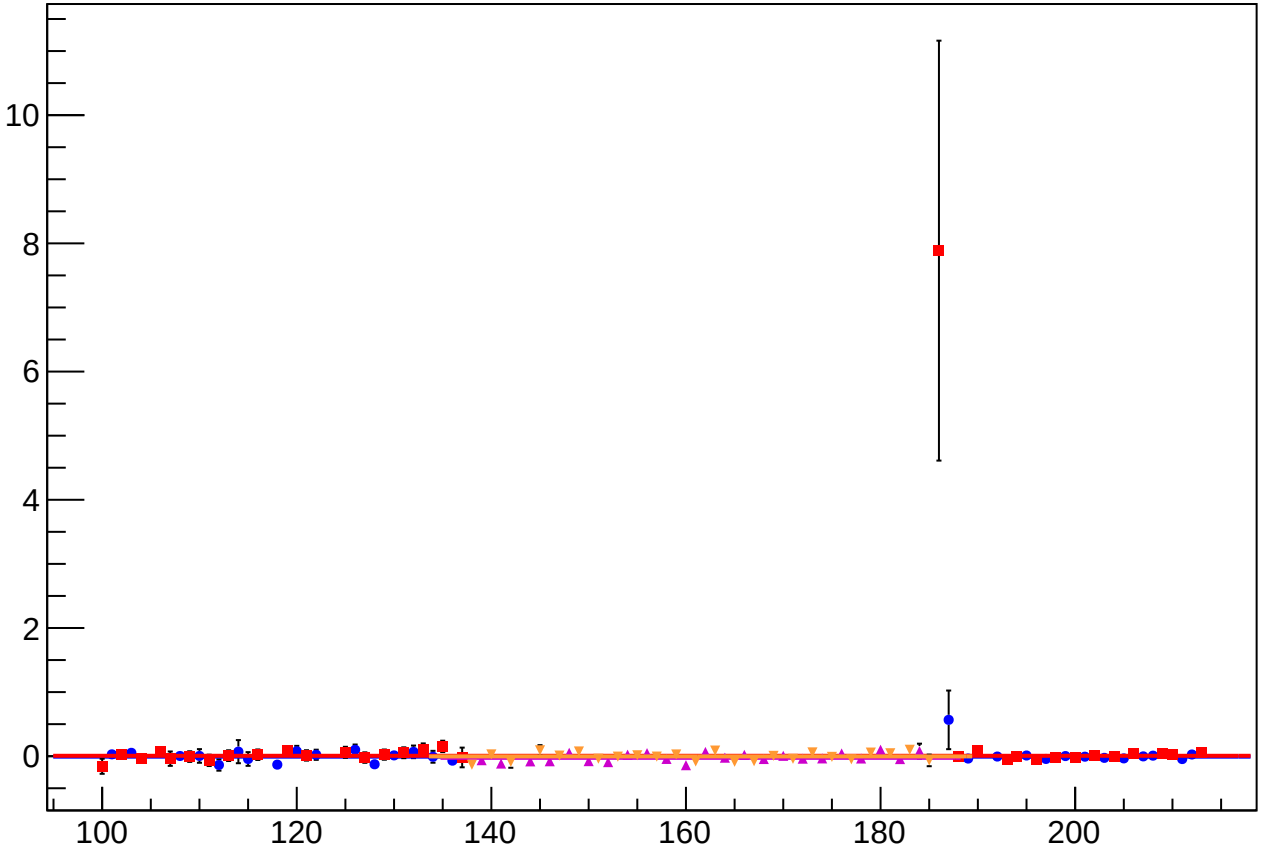
Right: 30.003+/-0.004 χ^2/NDF: 6741752.2/60

In: 36.457+/-0.005 χ^2/NDF:7875550.9/51

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

All: 36.187+/-0.003 χ^2/NDF: 17080025.4/107

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.008 χ^2/NDF: 23.4/28

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

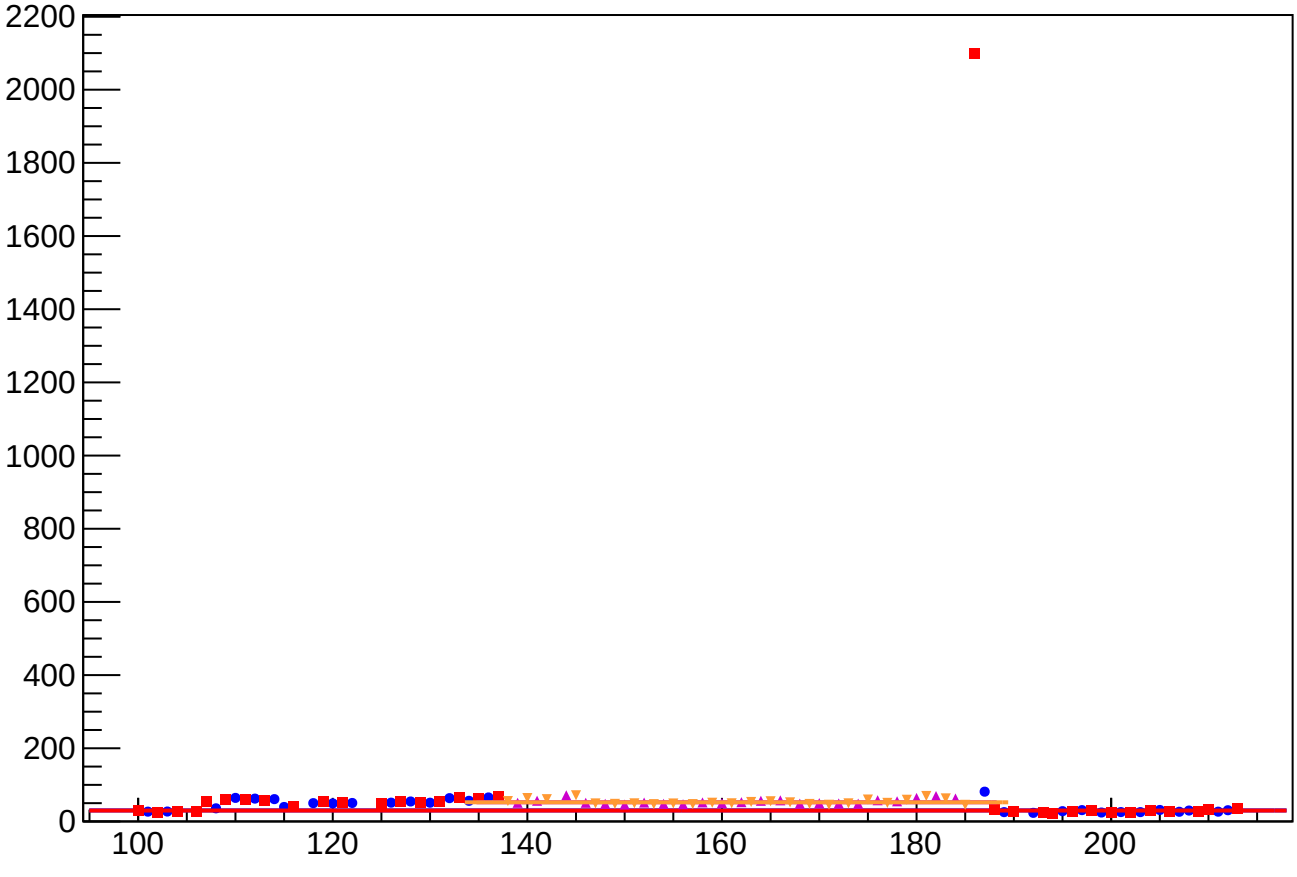
Right: -0.000+/-0.005 χ^2/NDF: 61.3/60

In: -0.012+/-0.007 χ^2/NDF:49.2/51

Out: 0.004+/-0.006 χ^2/NDF:59.9/55

All: -0.004+/-0.005 χ^2/NDF: 112.2/107

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.182+/-0.006 χ^2/NDF: 2863862.2/28

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

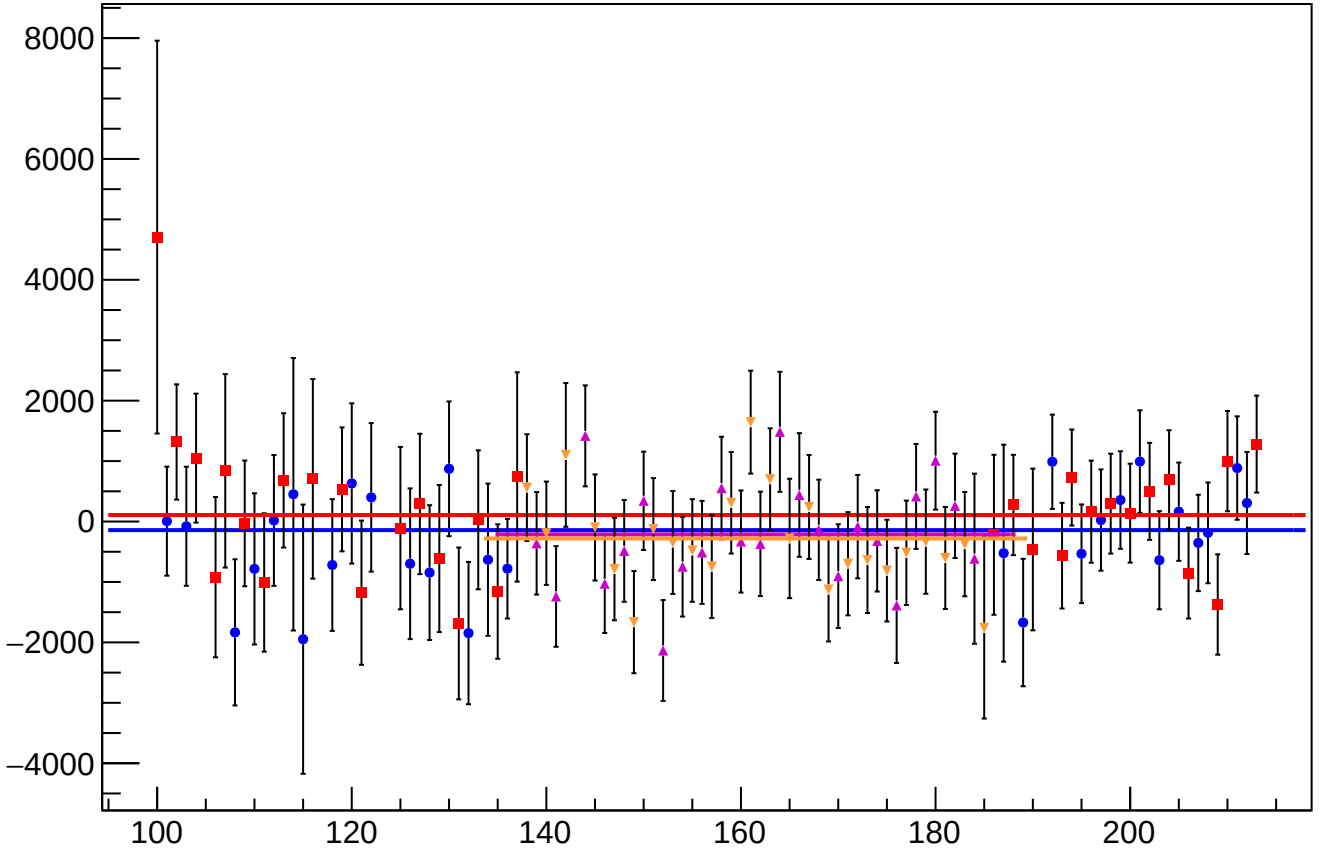
Right: 30.003+/-0.004 χ^2/NDF: 6741752.2/60

In: 36.457+/-0.005 χ^2/NDF:7875550.9/51

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

All: 36.187+/-0.003 χ^2/NDF: 17080025.4/107

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -142.190+/-184.155 χ^2/NDF: 17.1/28

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

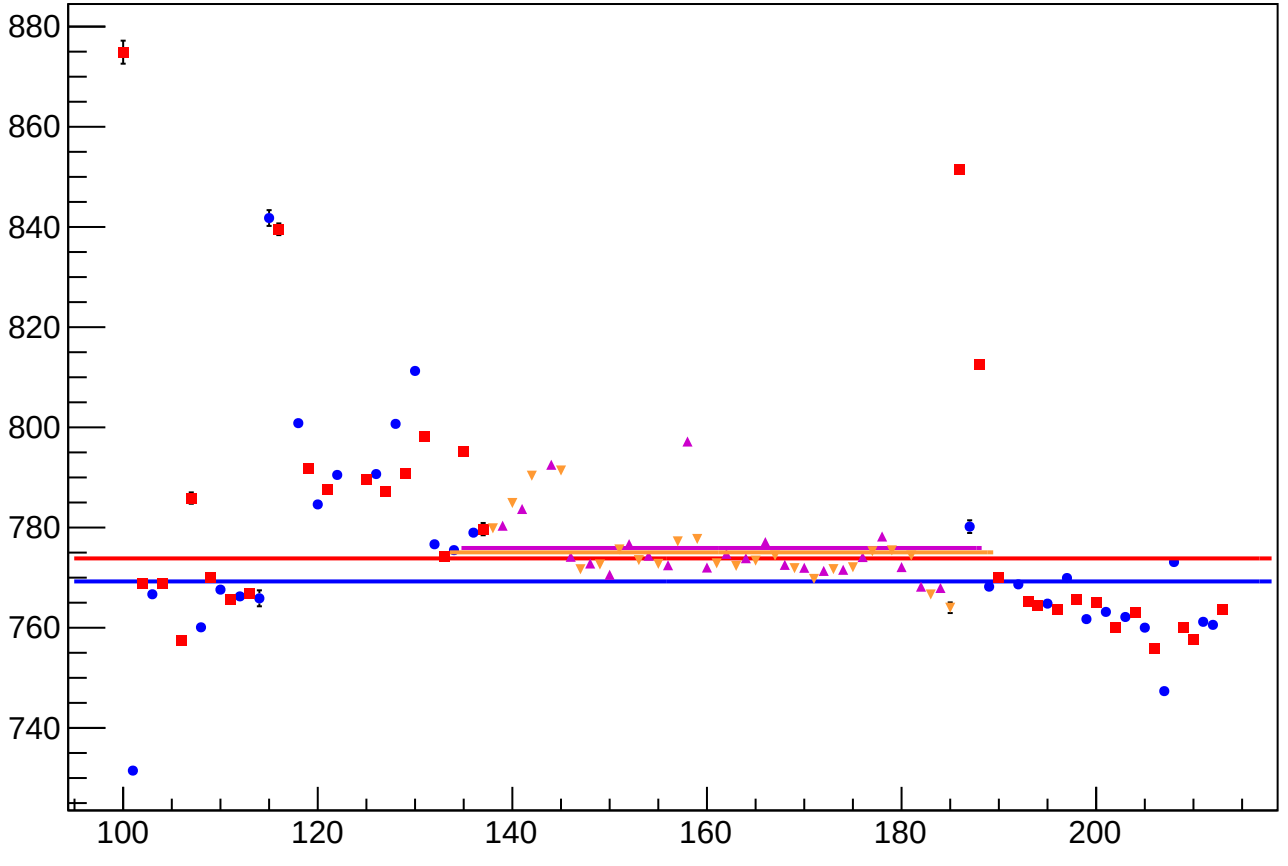
Right: -13.853+/-128.423 χ^2/NDF: 40.2/60

In: -178.390+/-129.148 χ^2/NDF:39.5/51

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

All: -131.199+/-90.533 χ^2/NDF: 80.4/107

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 769.244+/-0.130 χ^2/NDF: 16522.8/28

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

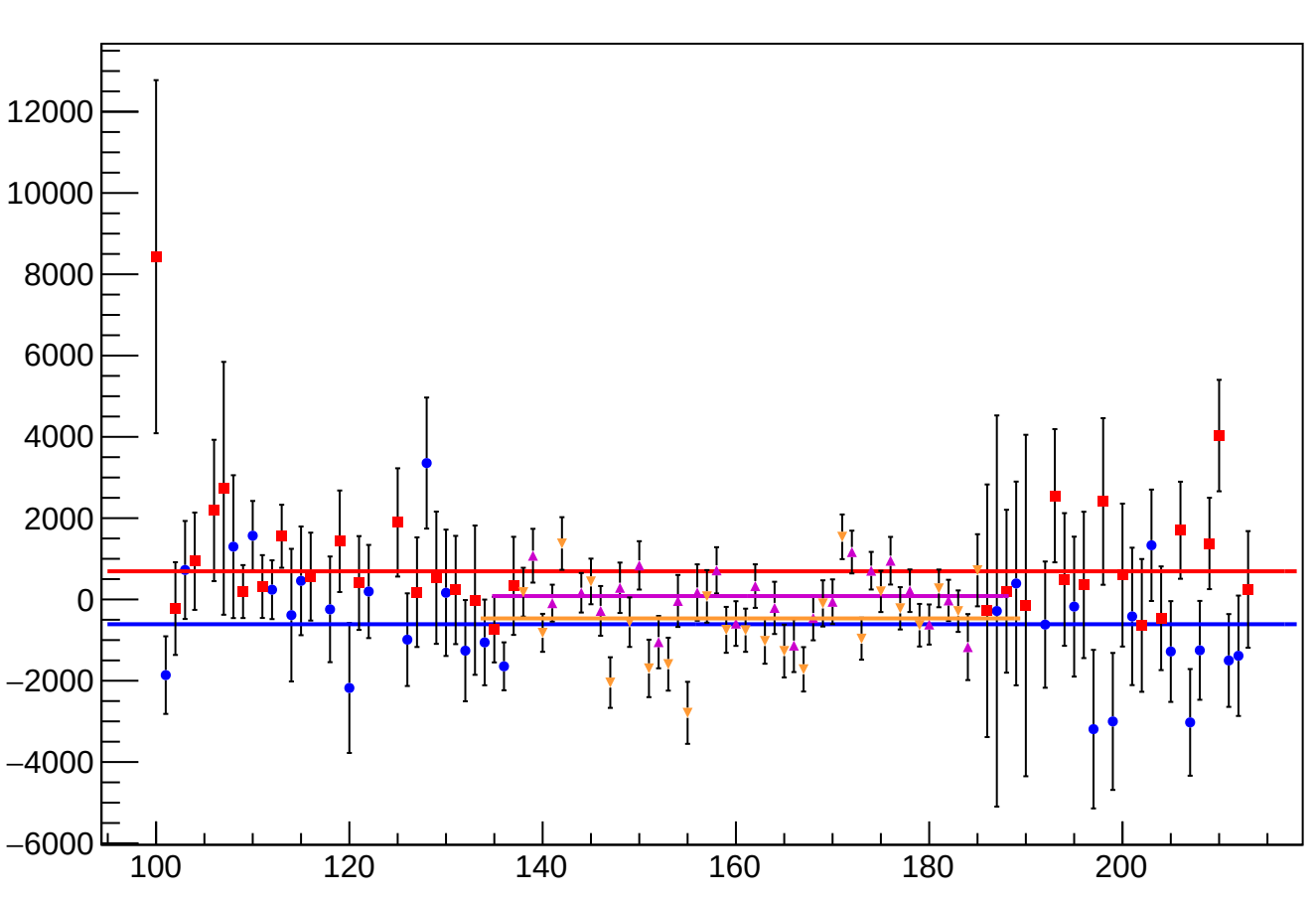
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 771.605+/-0.091 χ^2/NDF: 42488.1/60

In: 772.638+/-0.091 χ^2/NDF:20832.1/51

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

All: 773.555+/-0.064 χ^2/NDF: 48353.1/107



Right In: -609.858+/-225.635 χ^2/NDF: 35.0/28

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

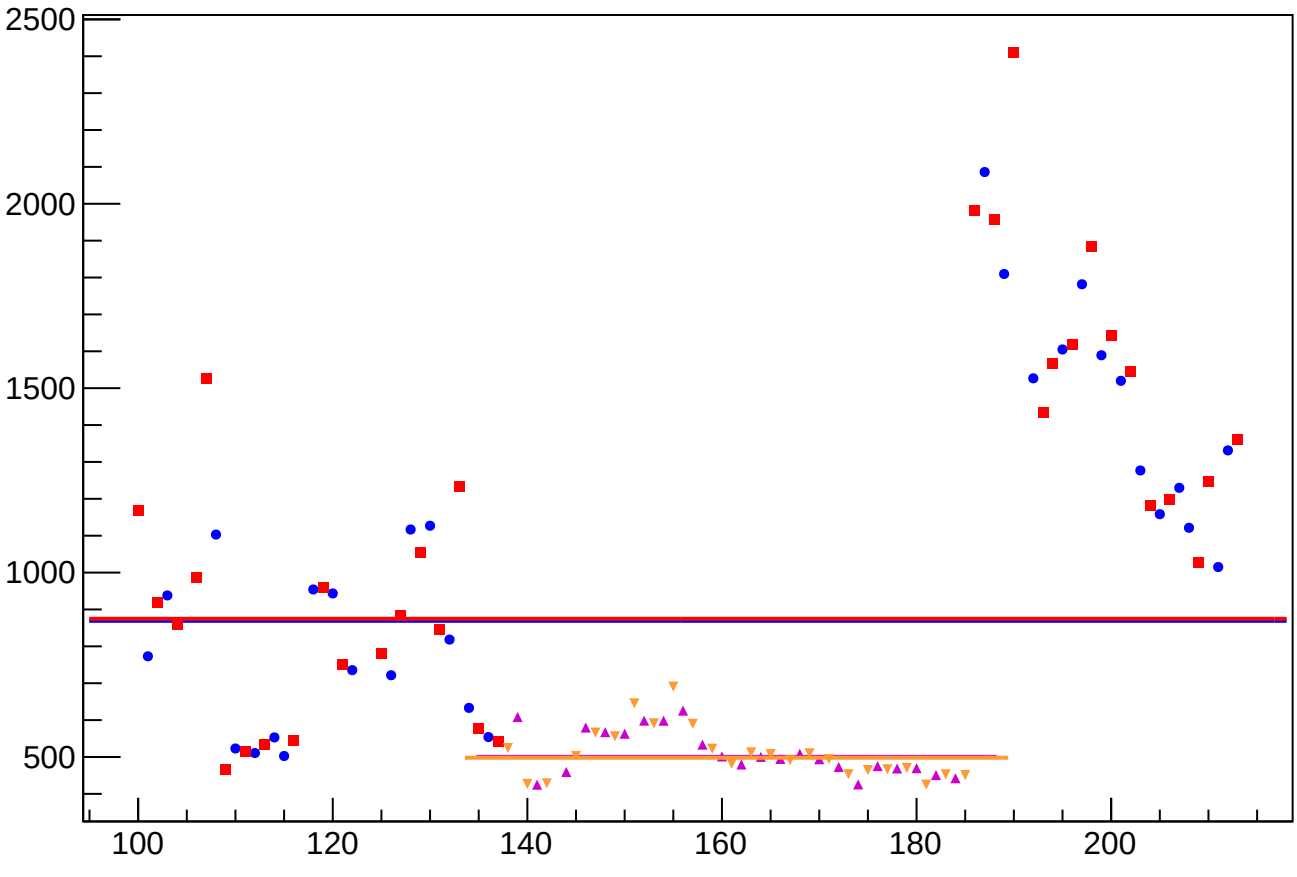
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 47.151+/-158.836 χ^2/NDF: 74.6/60

In: -65.297+/-104.430 χ^2/NDF:70.5/51

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

All: -142.808+/-73.501 χ^2/NDF: 180.0/107



Right In: 869.244+/-0.160 χ^2/NDF: 4941365.5/28

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

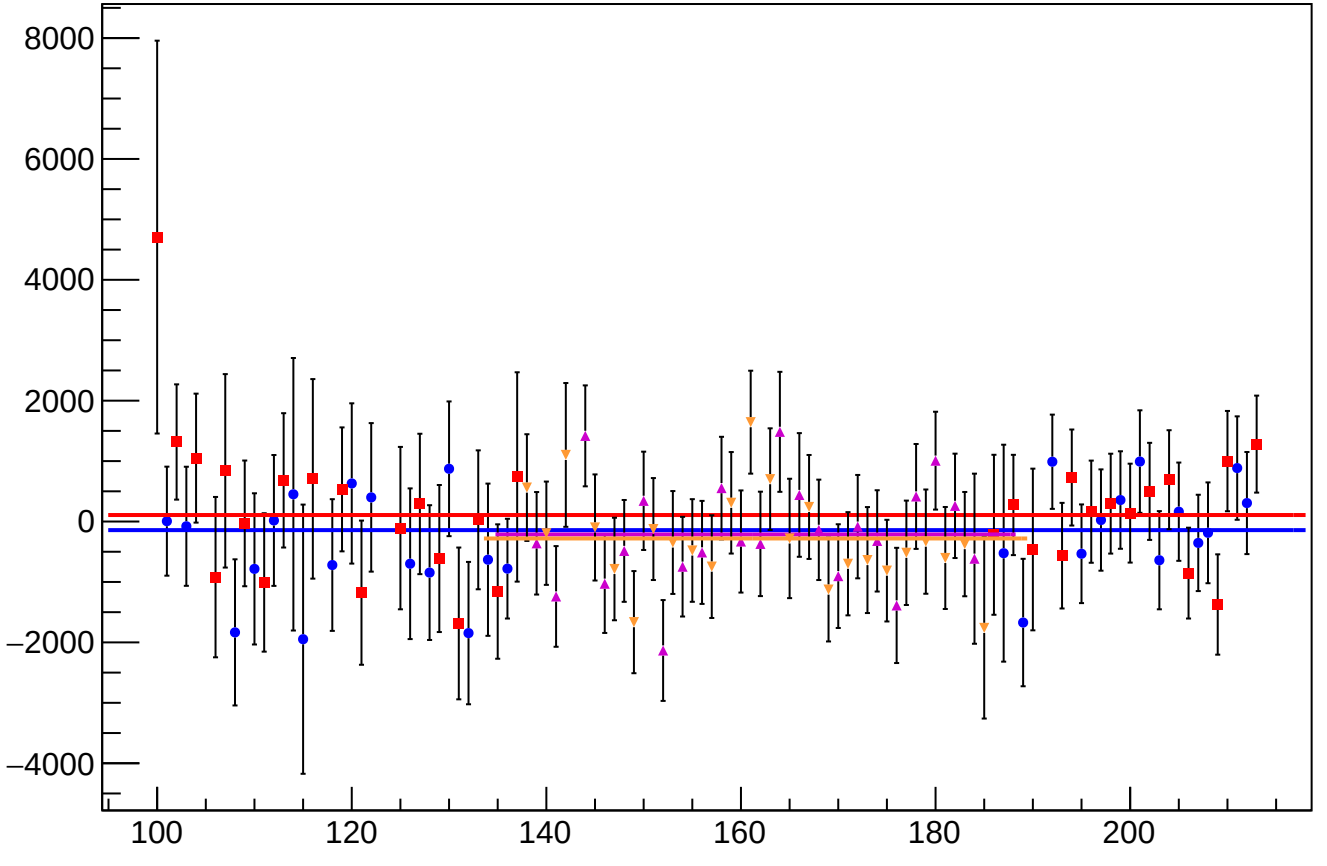
Right: 871.964+/-0.112 χ^2/NDF: 11326502.6/60

In: 579.337+/-0.074 χ^2/NDF:9620485.2/51

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

All: 578.964+/-0.052 χ^2/NDF: 20991355.4/10

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -142.190+/-184.155 χ^2/NDF: 17.1/28

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

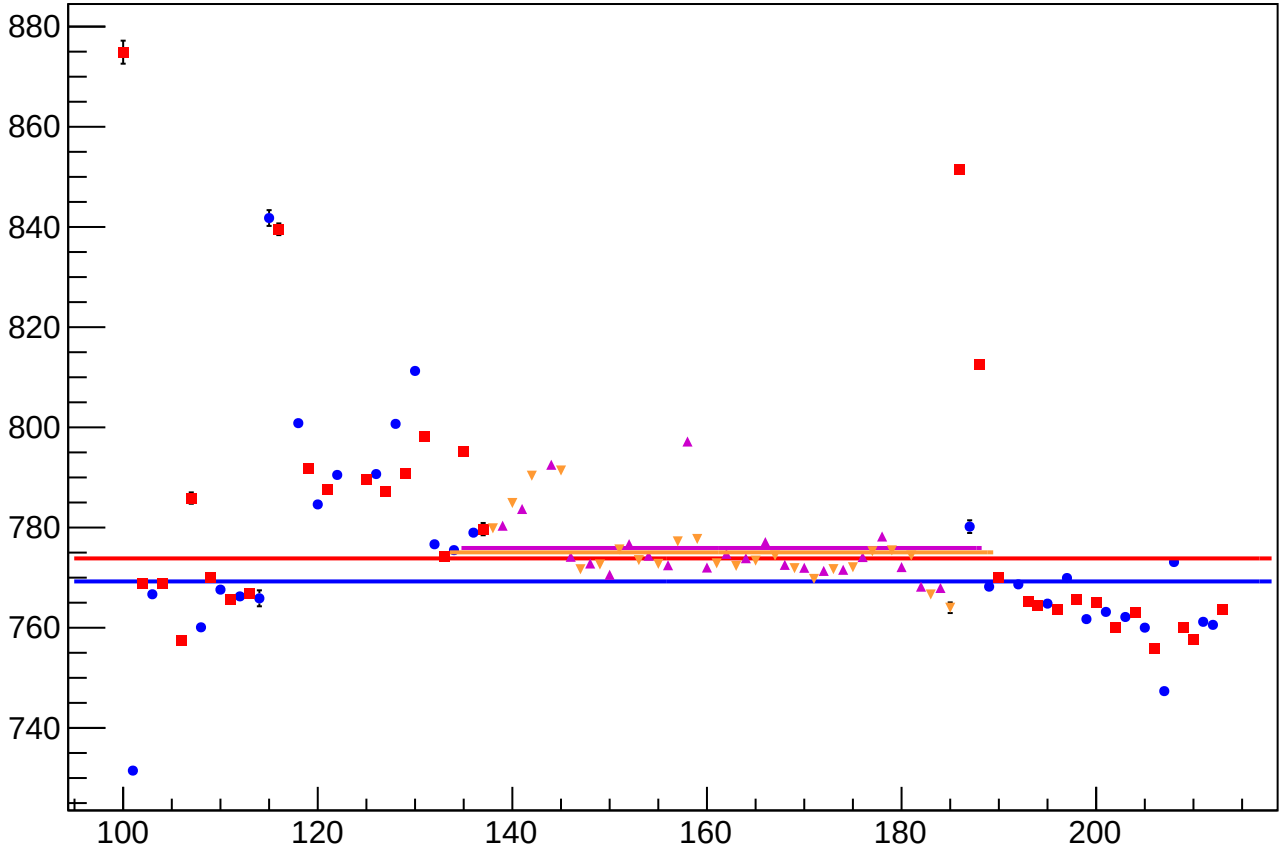
Right: -13.853+/-128.423 χ^2/NDF: 40.2/60

In: -178.390+/-129.148 χ^2/NDF:39.5/51

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

All: -131.199+/-90.533 χ^2/NDF: 80.4/107

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 769.244+/-0.130 χ^2/NDF: 16522.8/28

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

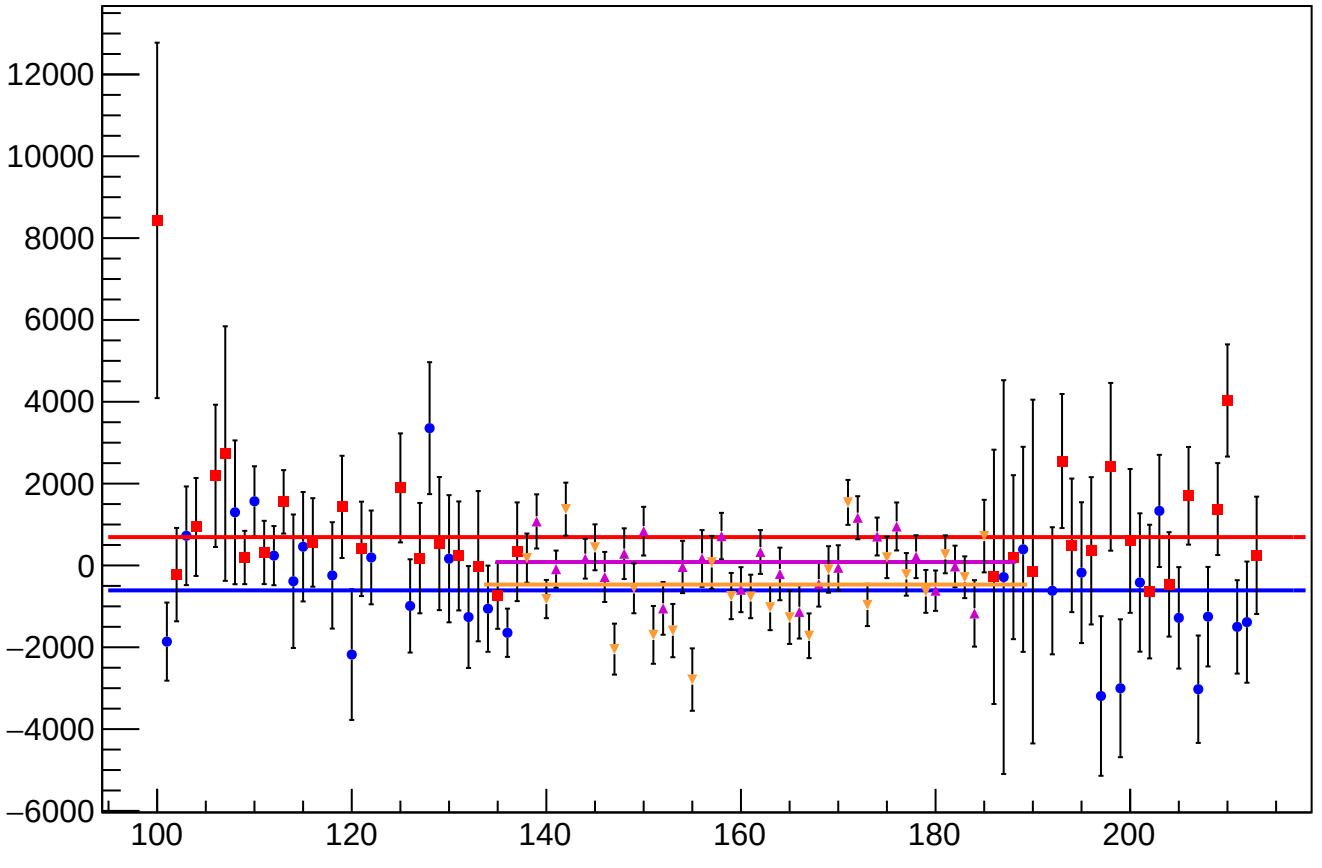
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

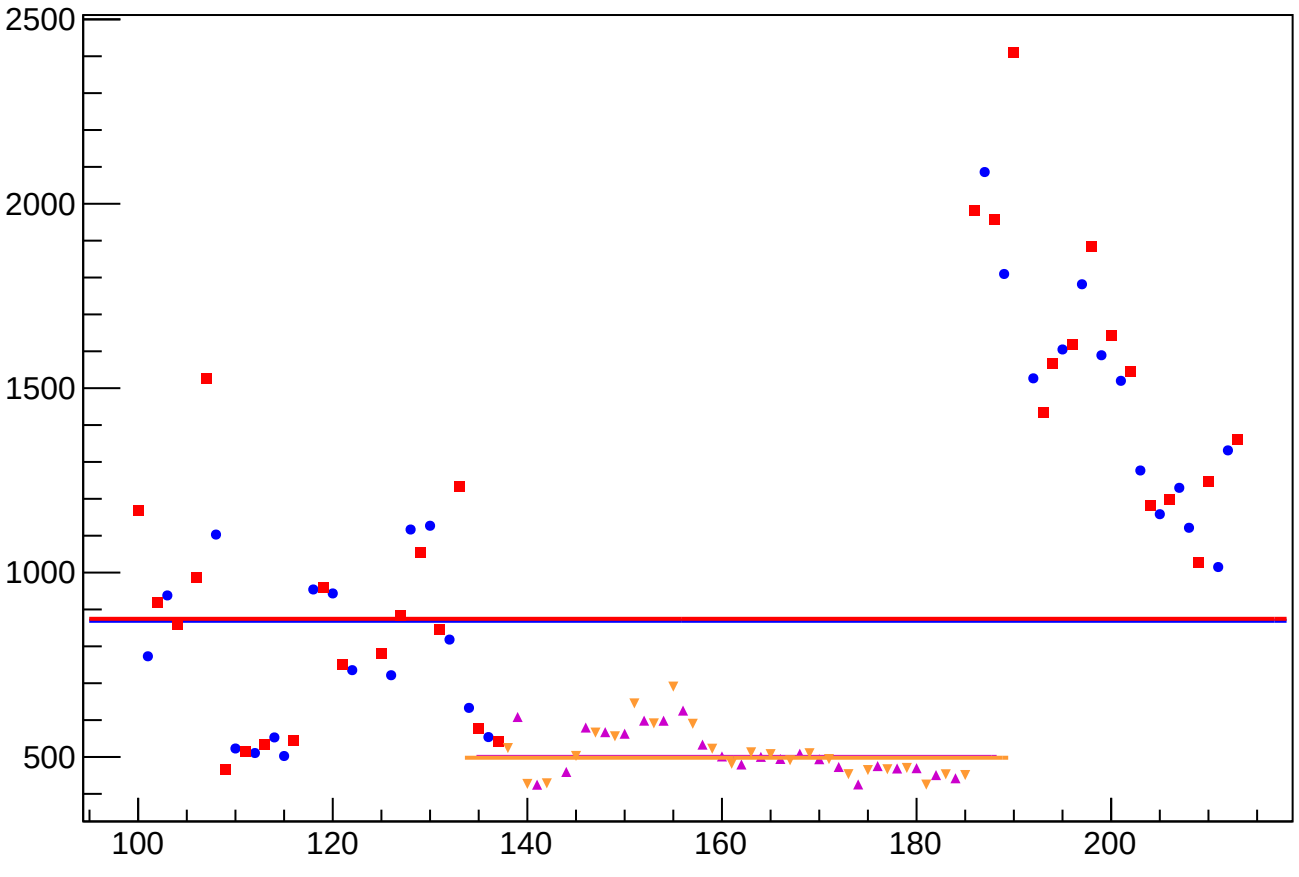
Right: 771.605+/-0.091 χ^2/NDF: 42488.1/60

In: 772.638+/-0.091 χ^2/NDF:20832.1/51

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

All: 773.555+/-0.064 χ^2/NDF: 48353.1/107


asym_us_dd_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -609.858+/-225.635 χ²/NDF: 35.0/28
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 692.562+/-223.634 χ²/NDF: 22.8/31
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 47.151+/-158.836 χ²/NDF: 74.6/60
In: -65.297+/-104.430 χ²/NDF:70.5/51
Out: -218.898+/-103.469 χ²/NDF:108.4/55
All: -142.808+/-73.501 χ²/NDF: 180.0/107



Right In: 869.244+/-0.160 χ^2/NDF: 4941365.5/28

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

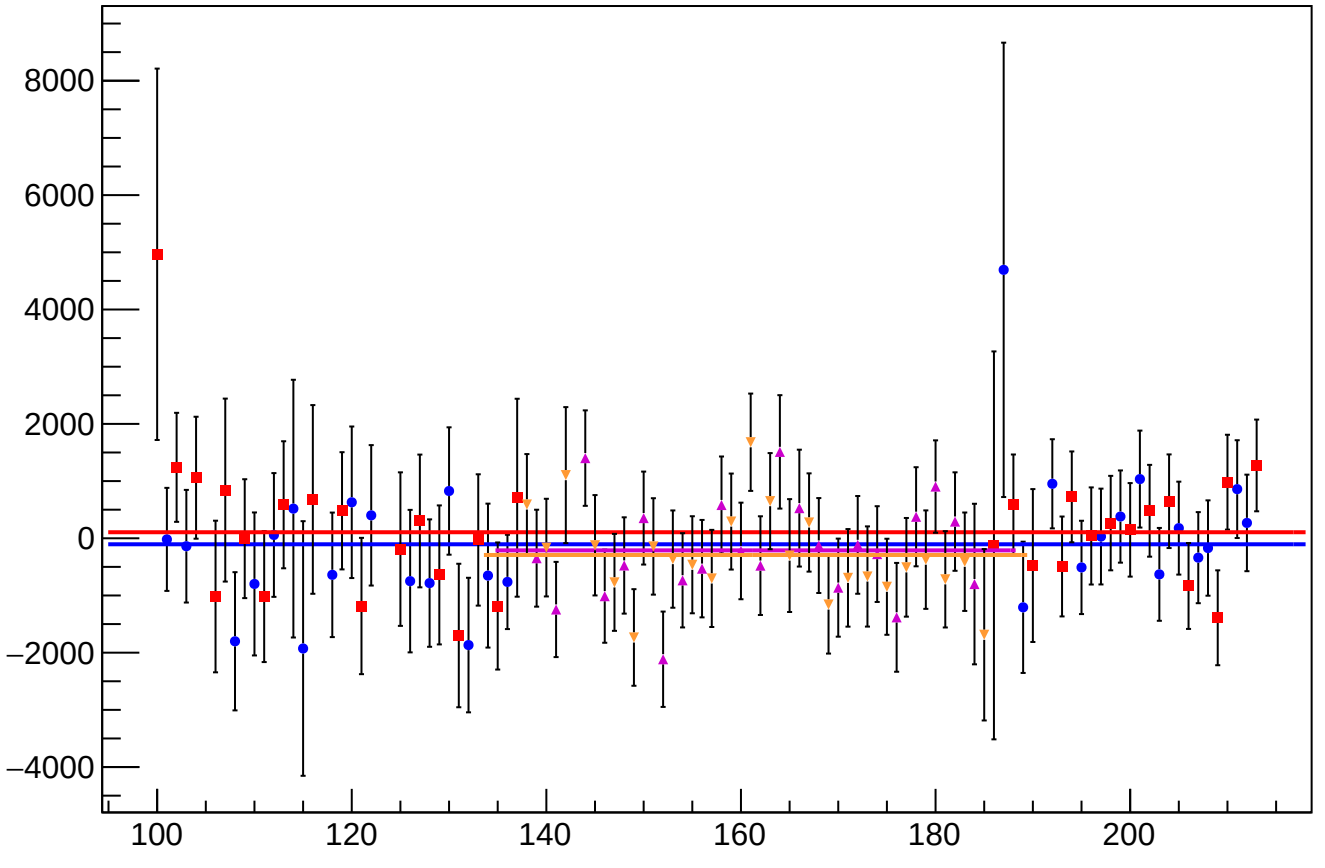
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 871.964+/-0.112 χ^2/NDF: 11326502.6/60

In: 579.337+/-0.074 χ^2/NDF:9620485.2/51

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

All: 578.964+/-0.052 χ^2/NDF: 20991355.4/10



Right In: -104.832+/-185.219 χ^2/NDF: 17.0/28

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

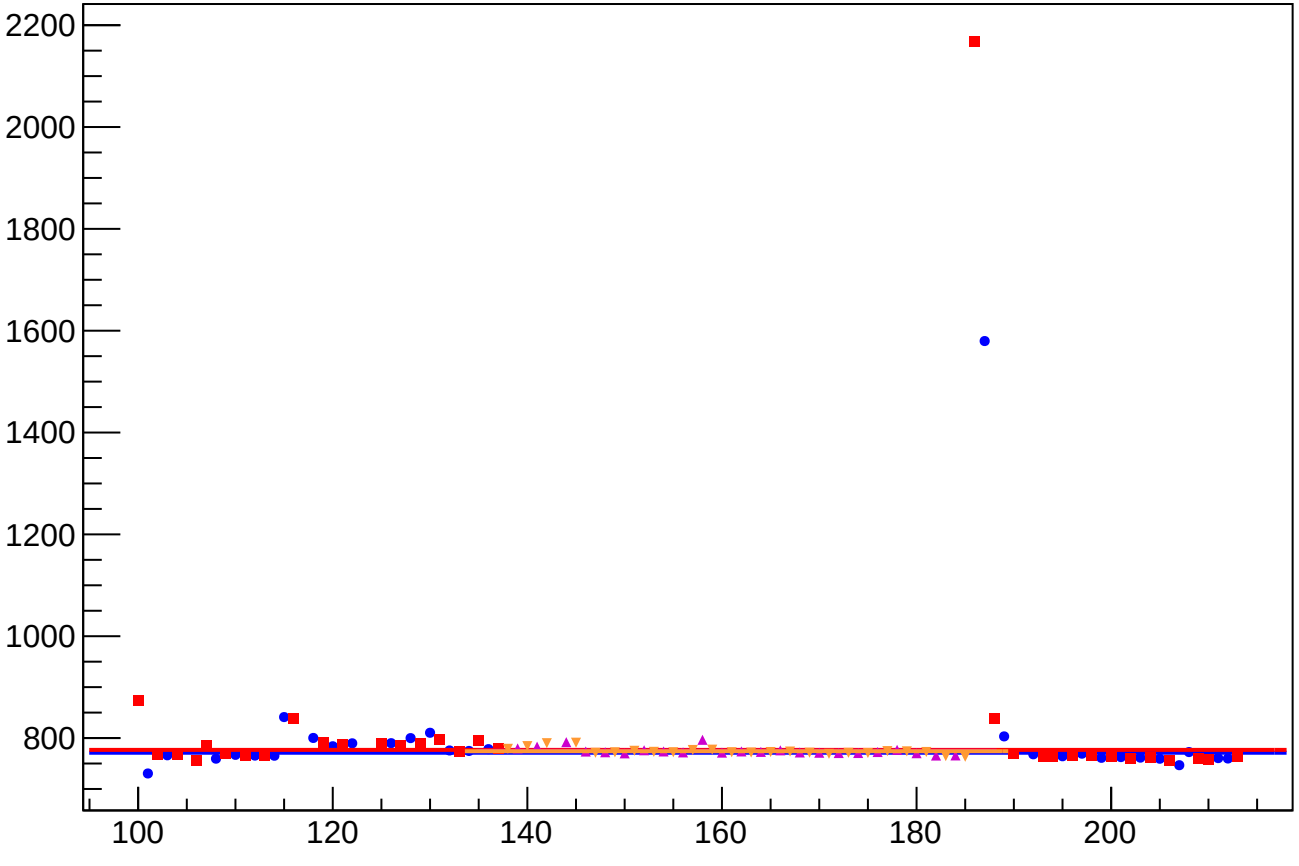
Right: 2.953+/-129.418 χ^2/NDF: 39.9/60

In: -159.276+/-129.434 χ^2/NDF:39.2/51

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

All: -126.392+/-90.825 χ^2/NDF: 80.7/107

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 771.161+/-0.131 χ^2/NDF: 101290.0/28

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

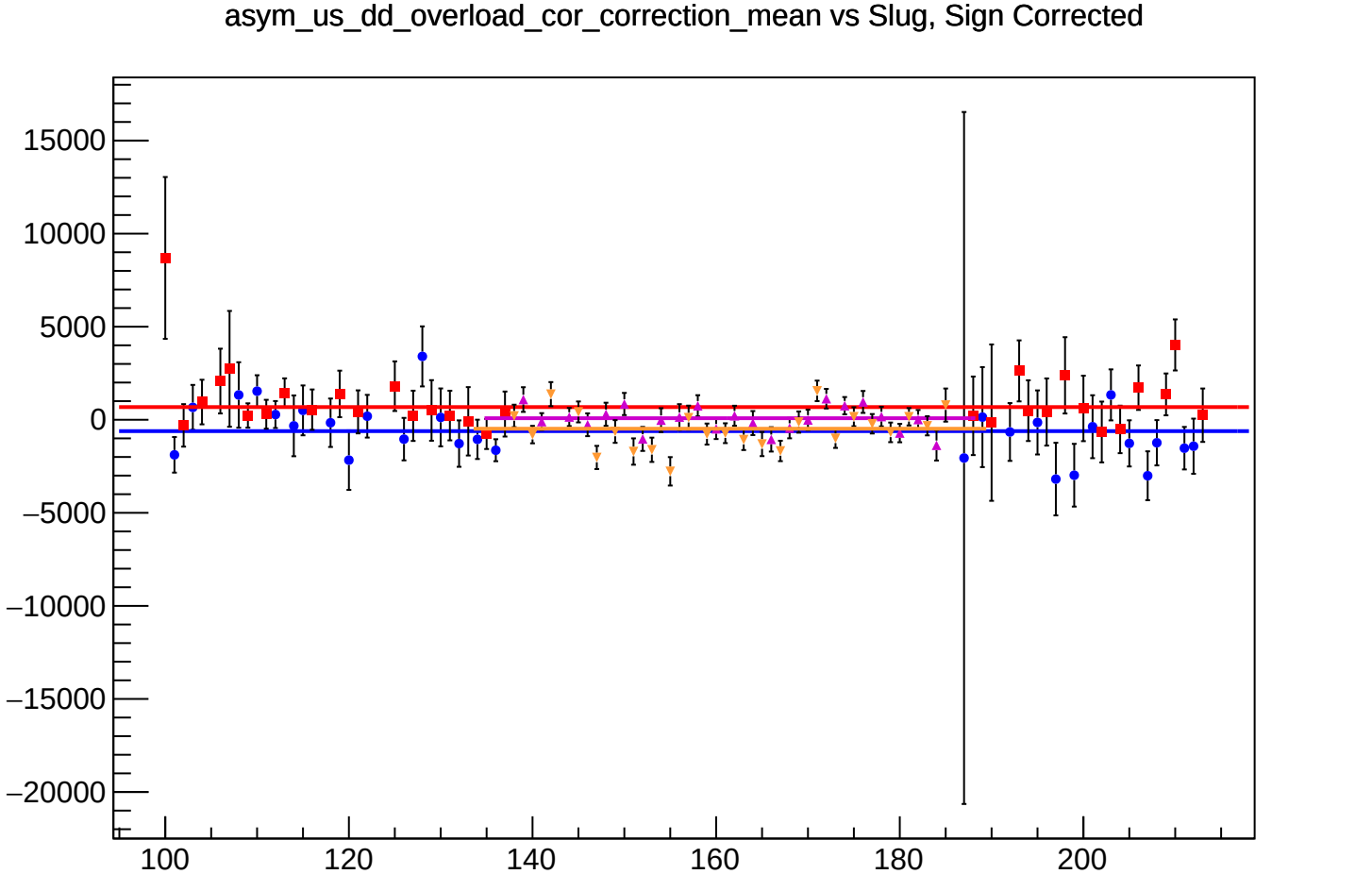
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

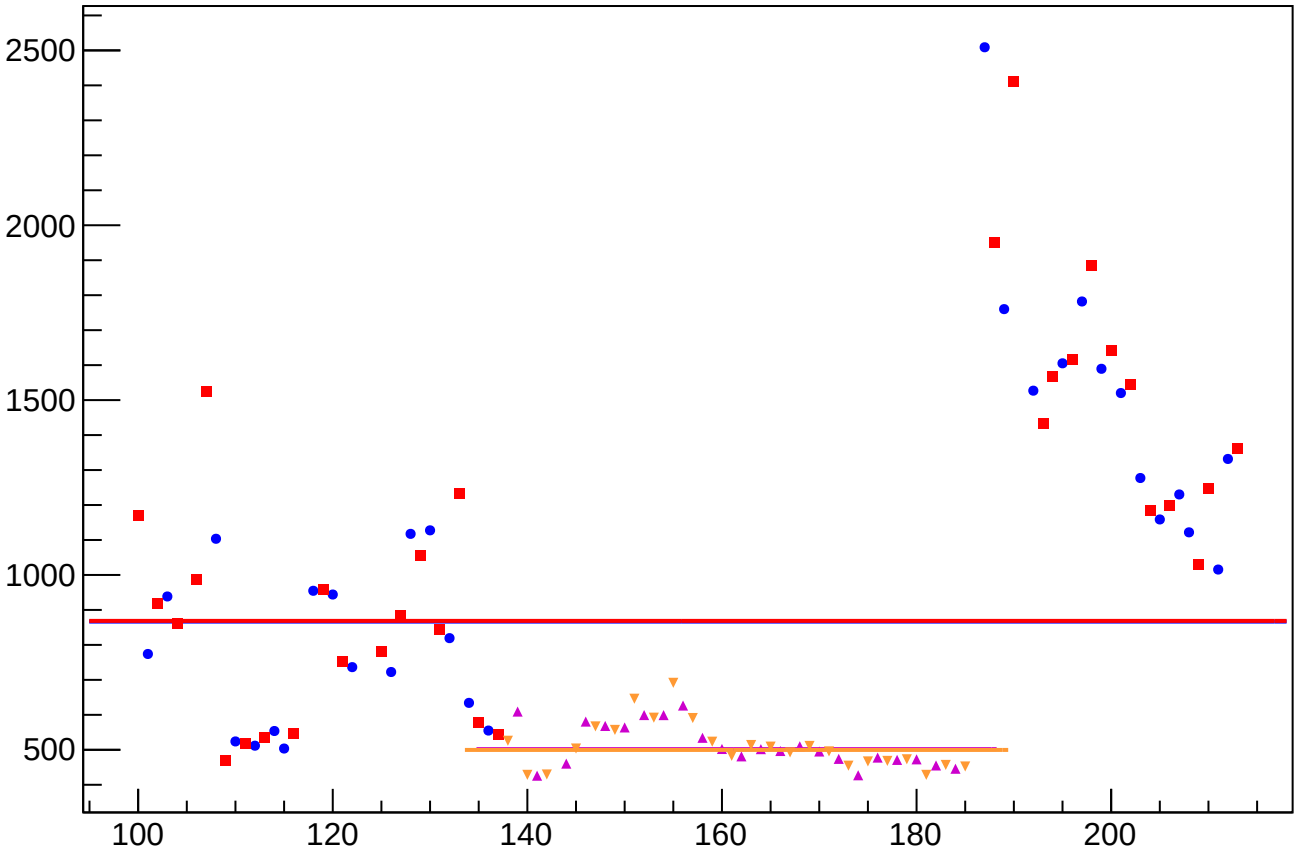
Right: 774.021+/-0.092 χ^2/NDF: 464419.0/60

In: 773.120+/-0.092 χ^2/NDF:104875.3/51

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

All: 774.296+/-0.064 χ^2/NDF: 469667.5/107


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: -610.258+/-226.239 χ²/NDF: 35.0/28
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: 40.143+/-159.400 χ²/NDF: 74.1/59
In: -65.489+/-104.759 χ²/NDF:70.6/51
Out: -232.898+/-103.831 χ²/NDF:107.3/54
All: -149.939+/-73.746 χ²/NDF: 179.2/106



Right In: 866.672+/-0.160 χ^2/NDF: 4751553.2/28

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

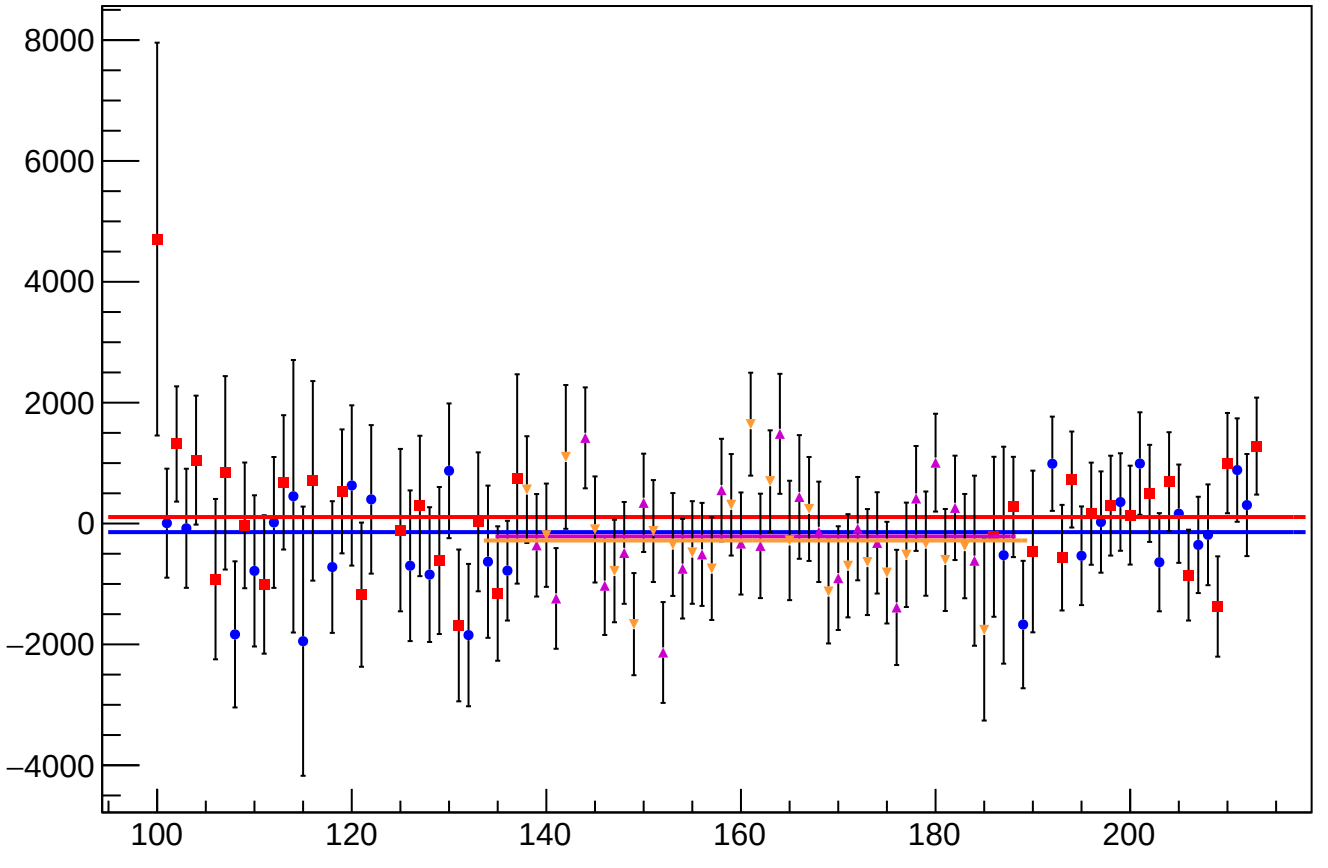
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 867.669+/-0.113 χ^2/NDF: 10792526.4/59

In: 580.211+/-0.074 χ^2/NDF:9300616.6/51

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

All: 579.354+/-0.052 χ^2/NDF: 20101731.4/10



Right In: -142.190+/-184.155 χ^2/NDF: 17.1/28

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

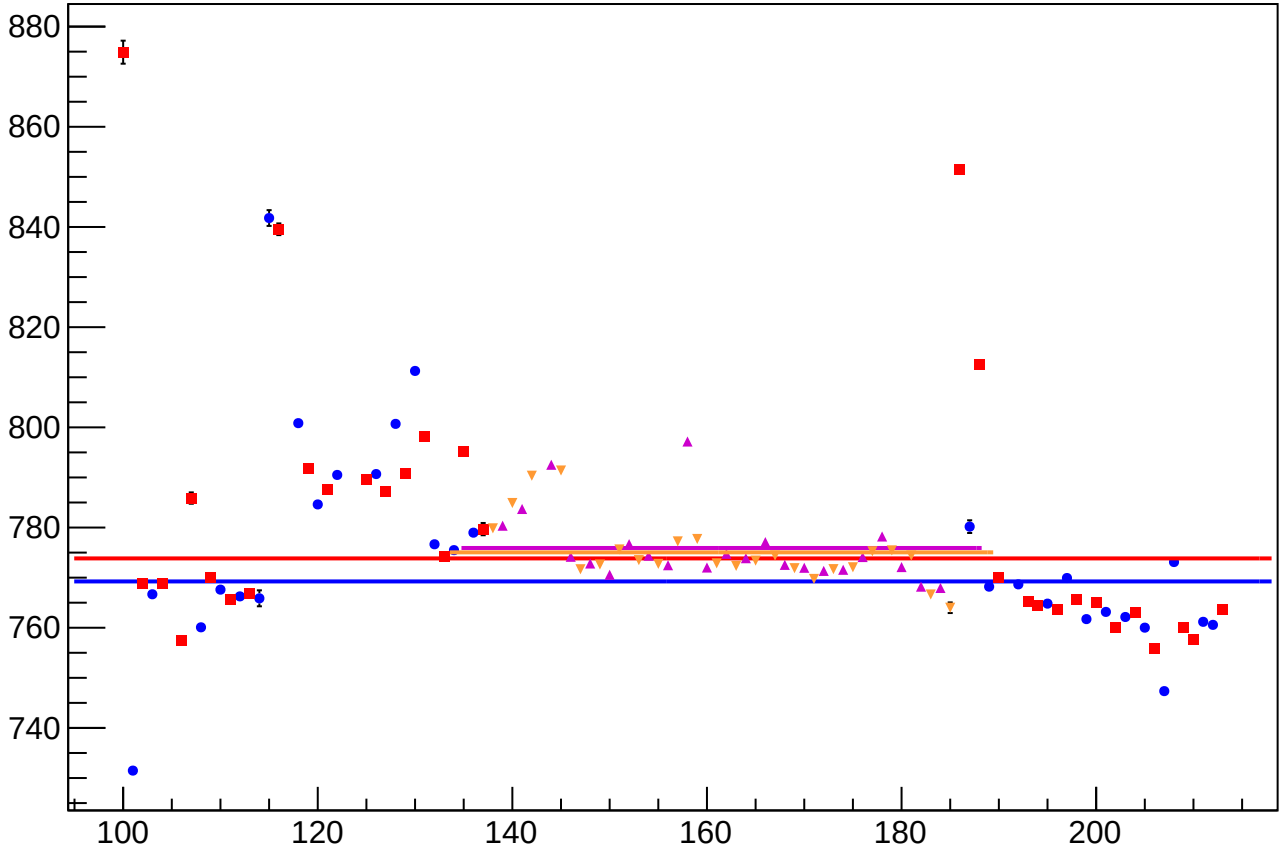
Right: -13.853+/-128.423 χ^2/NDF: 40.2/60

In: -178.390+/-129.148 χ^2/NDF:39.5/51

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

All: -131.199+/-90.533 χ^2/NDF: 80.4/107

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 769.244+/-0.130 χ^2/NDF: 16522.8/28

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

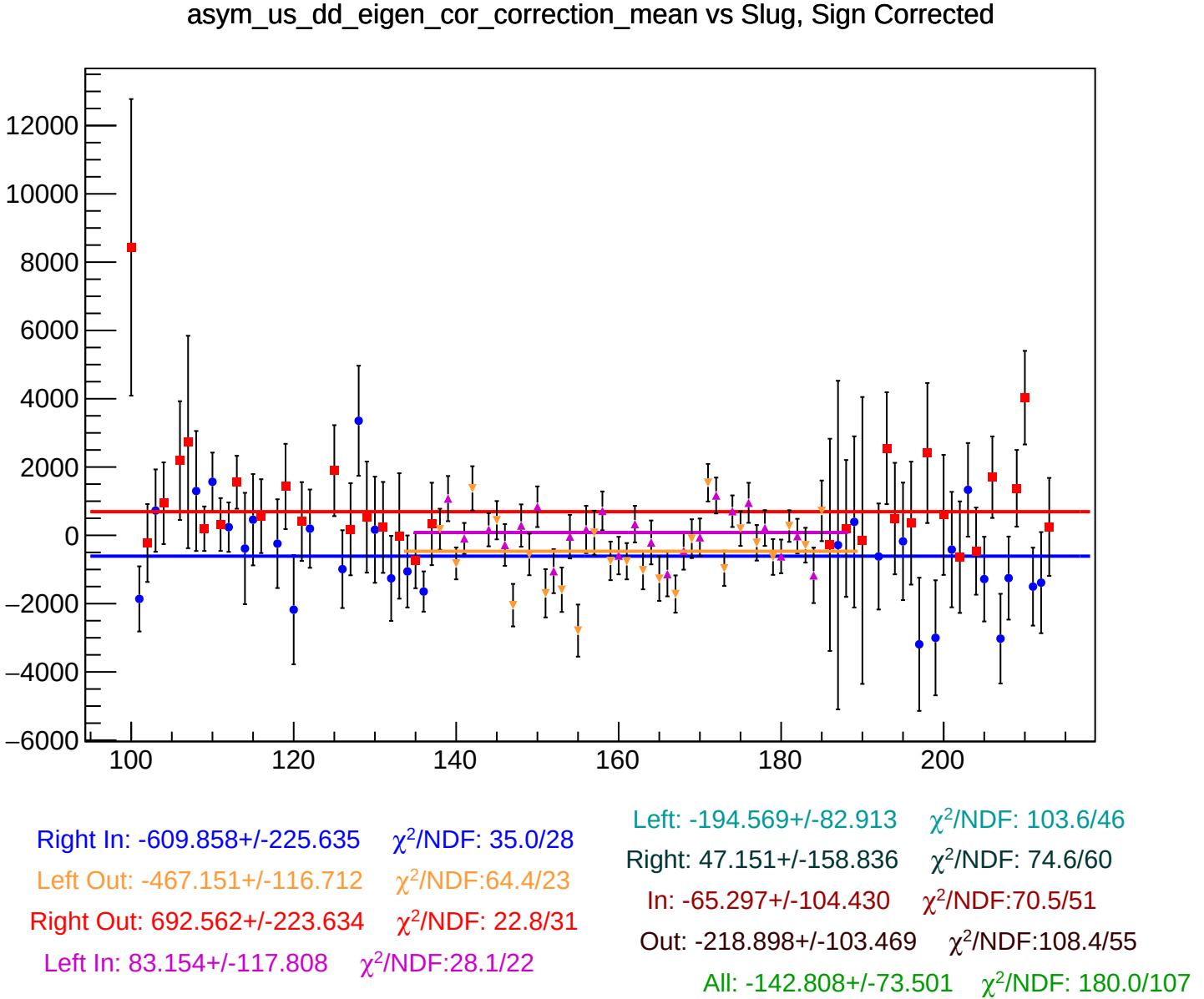
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

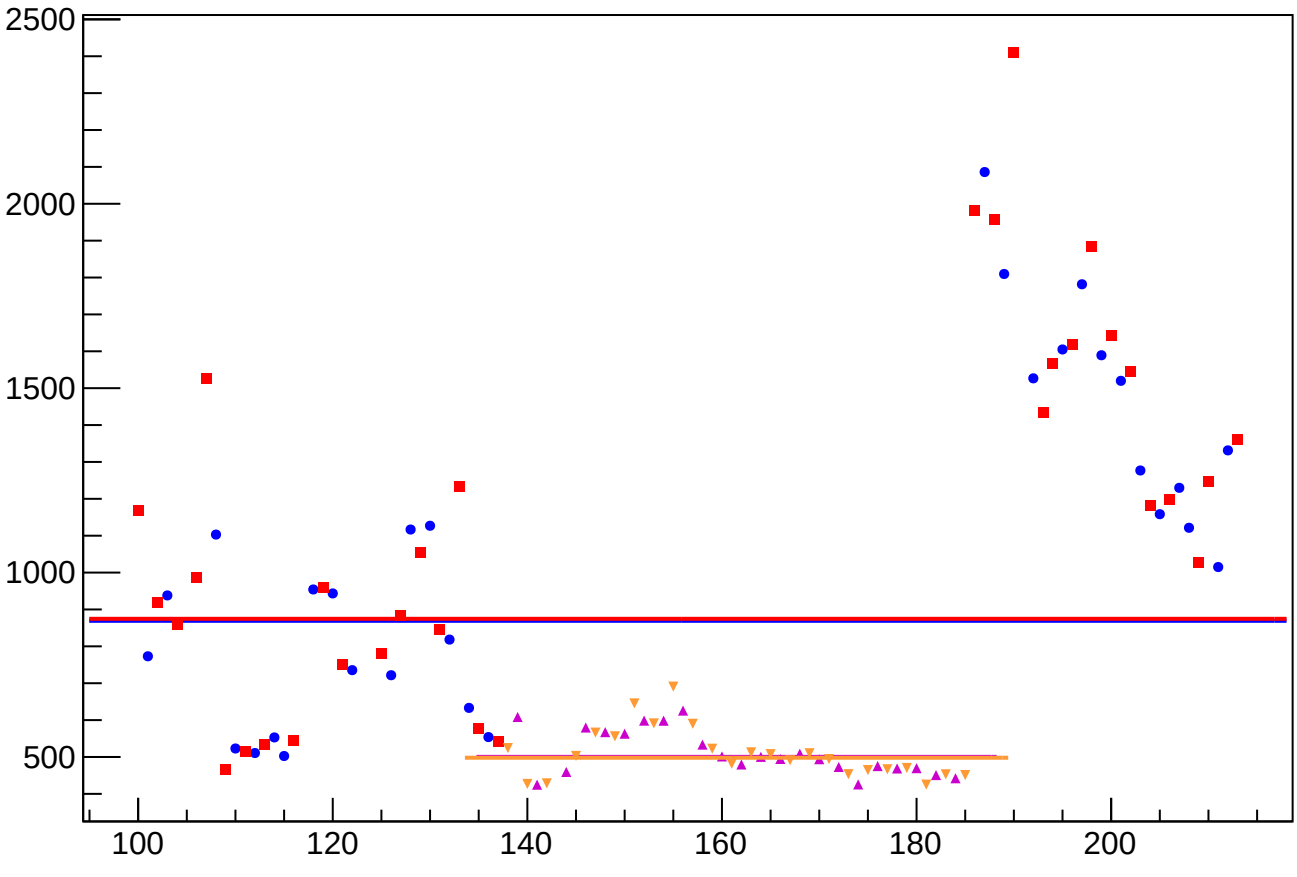
Right: 771.605+/-0.091 χ^2/NDF: 42488.1/60

In: 772.638+/-0.091 χ^2/NDF:20832.1/51

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

All: 773.555+/-0.064 χ^2/NDF: 48353.1/107


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -609.858+/-225.635 χ²/NDF: 35.0/28
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 692.562+/-223.634 χ²/NDF: 22.8/31
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 47.151+/-158.836 χ²/NDF: 74.6/60
In: -65.297+/-104.430 χ²/NDF:70.5/51
Out: -218.898+/-103.469 χ²/NDF:108.4/55
All: -142.808+/-73.501 χ²/NDF: 180.0/107



Right In: 869.244+/-0.160 χ^2/NDF: 4941365.5/28

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

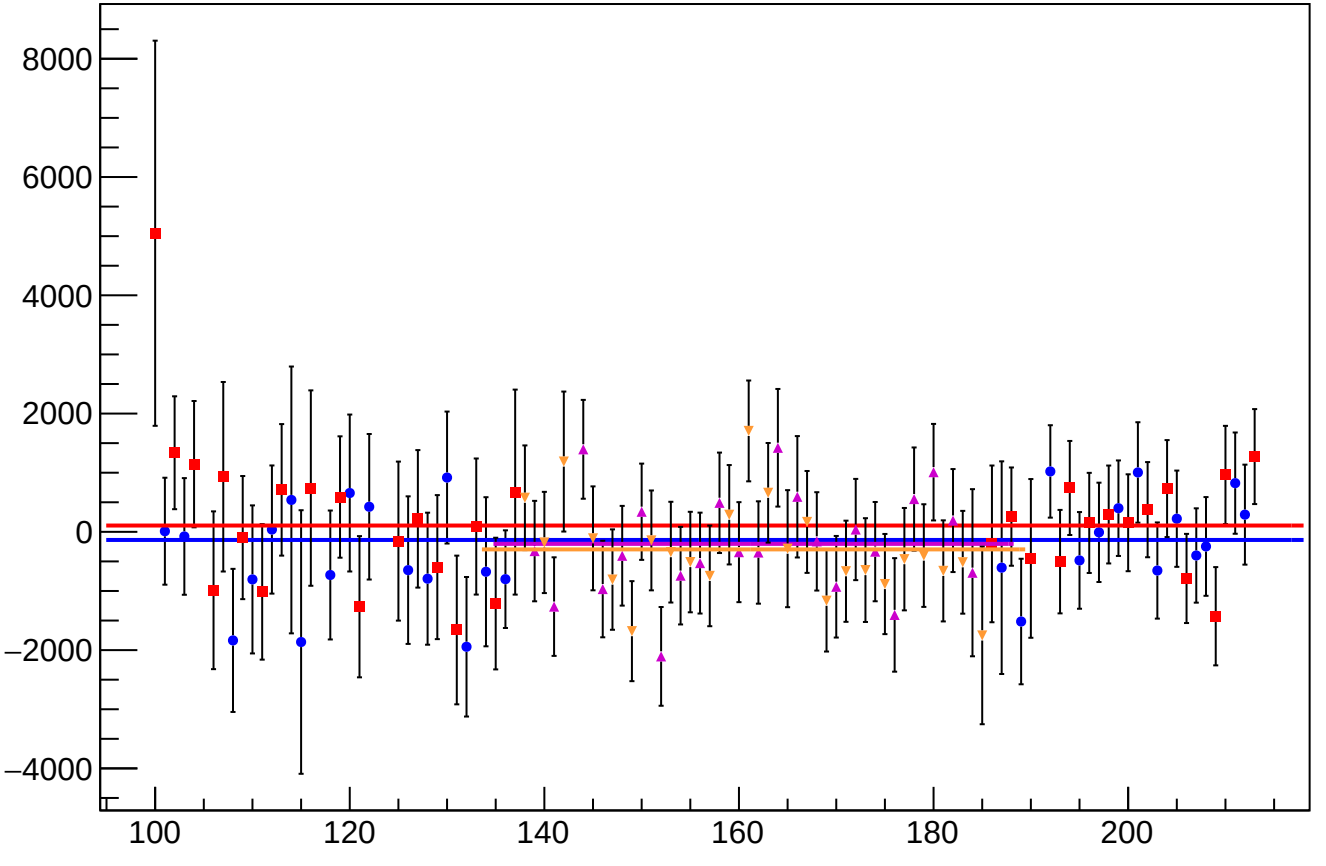
Right: 871.964+/-0.112 χ^2/NDF: 11326502.6/60

In: 579.337+/-0.074 χ^2/NDF:9620485.2/51

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

All: 578.964+/-0.052 χ^2/NDF: 20991355.4/10

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -137.161+/-184.381 χ^2/NDF: 17.1/28

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

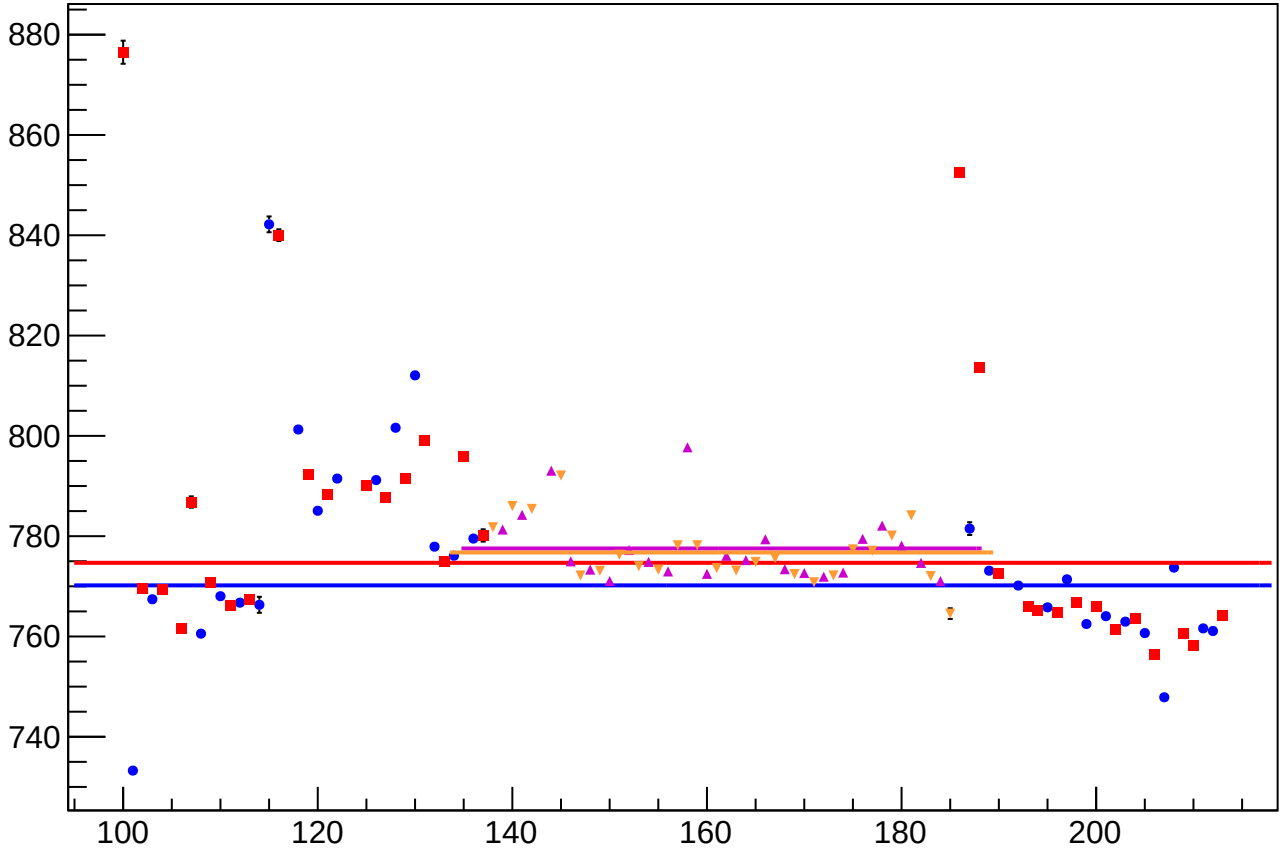
Right: -11.867+/-128.579 χ^2/NDF: 40.8/60

In: -170.762+/-129.364 χ^2/NDF:39.3/51

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

All: -131.735+/-90.687 χ^2/NDF: 81.5/107

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 770.188+/-0.130 χ^2/NDF: 16335.8/28

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

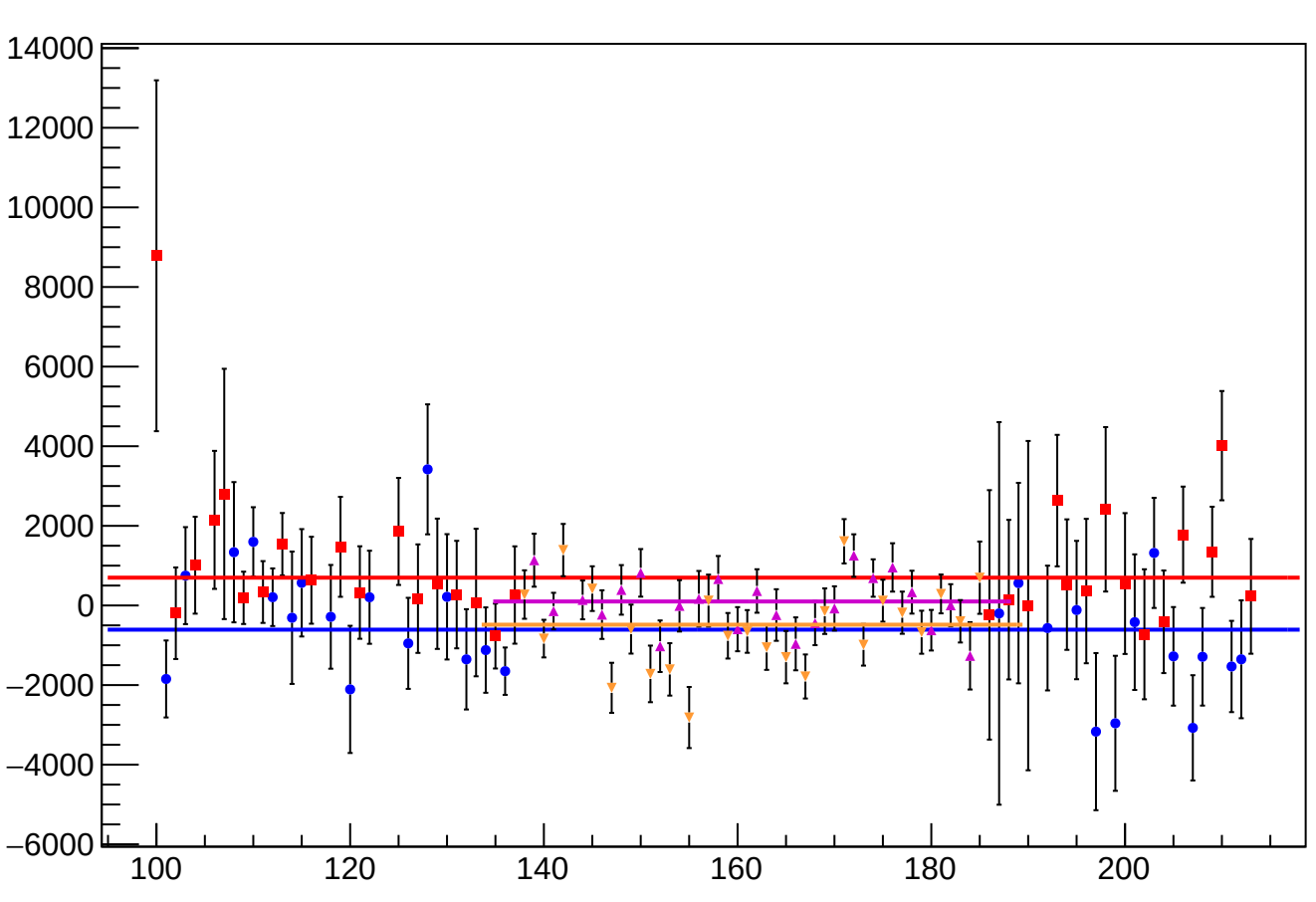
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 772.500+/-0.091 χ^2/NDF: 42178.4/60

In: 773.926+/-0.091 χ^2/NDF:20705.2/51

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

All: 774.836+/-0.064 χ^2/NDF: 48087.9/107



Right In: -608.019+/-227.596 χ^2/NDF: 35.0/28

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

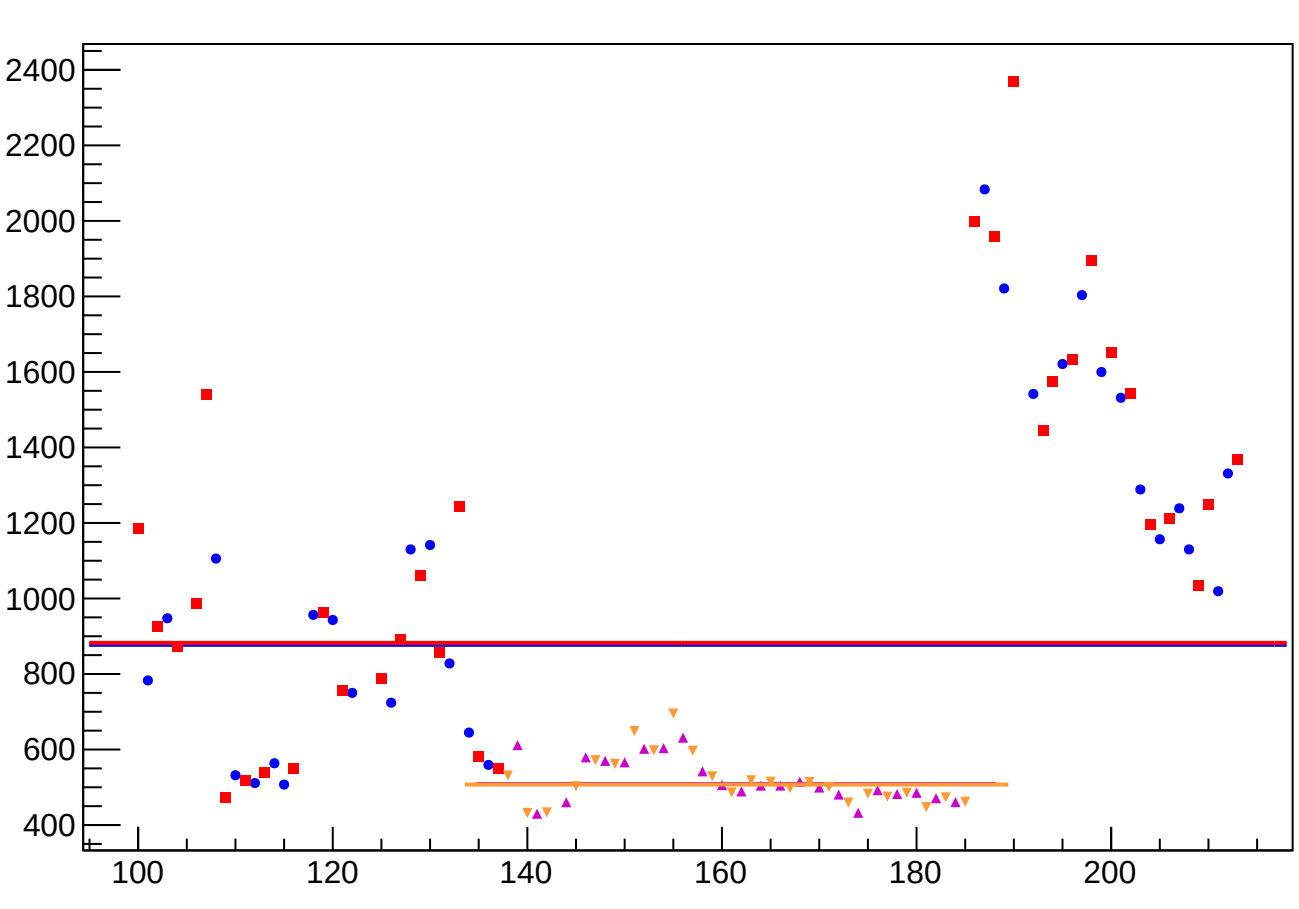
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 51.291+/-160.173 χ^2/NDF: 74.6/60

In: -53.372+/-105.925 χ^2/NDF:70.0/51

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

All: -140.450+/-74.609 χ^2/NDF: 180.9/107



Right In: 877.280+/-0.161 χ^2/NDF: 4914018.7/28

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

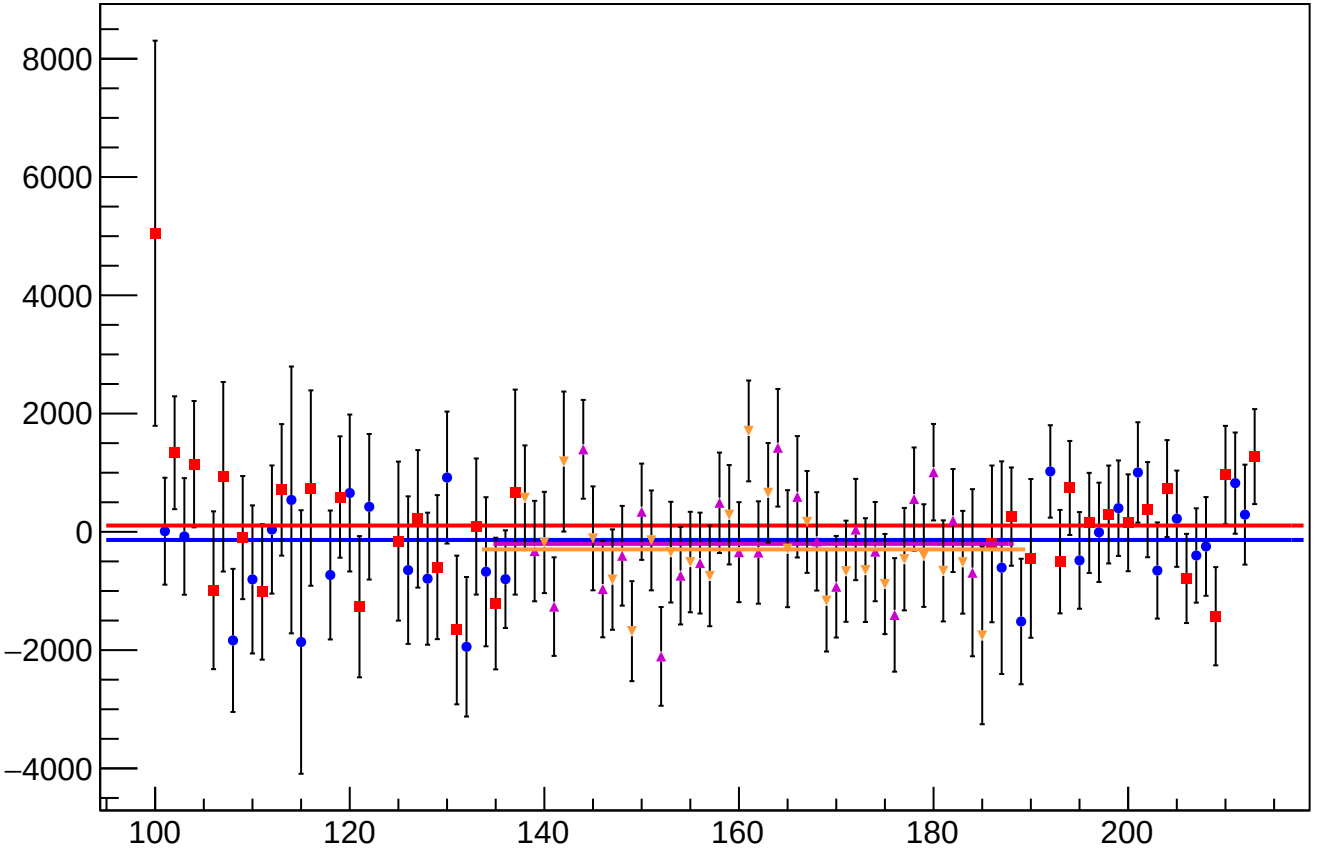
Right: 879.927+/-0.113 χ^2/NDF: 11251552.4/60

In: 588.488+/-0.075 χ^2/NDF:9456931.0/51

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

All: 588.677+/-0.053 χ^2/NDF: 20603228.4/10

eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -137.161+/-184.381 χ^2/NDF: 17.1/28

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

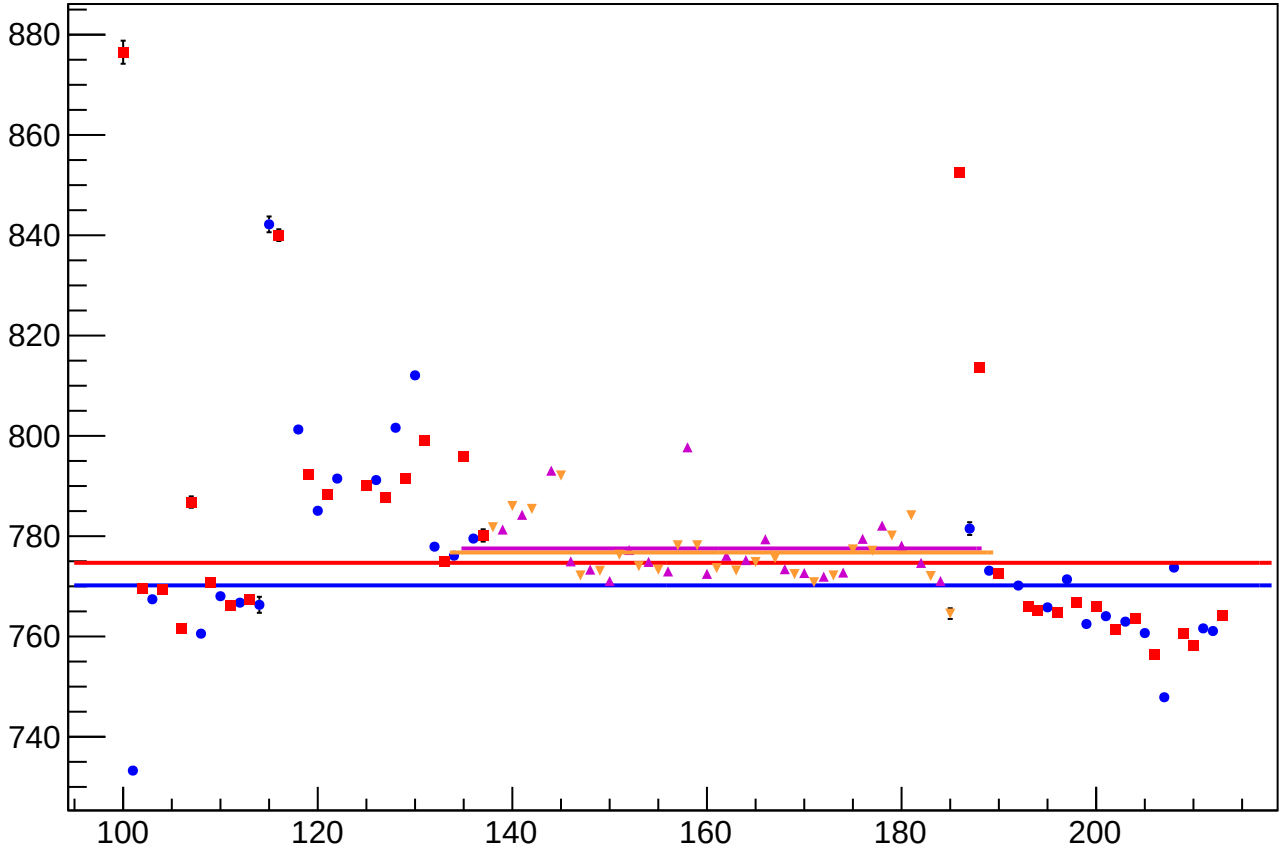
Right: -11.867+/-128.579 χ^2/NDF: 40.8/60

In: -170.762+/-129.364 χ^2/NDF:39.3/51

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

All: -131.735+/-90.687 χ^2/NDF: 81.5/107

eigen_dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 770.188+/-0.130 χ^2/NDF: 16335.7/28

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

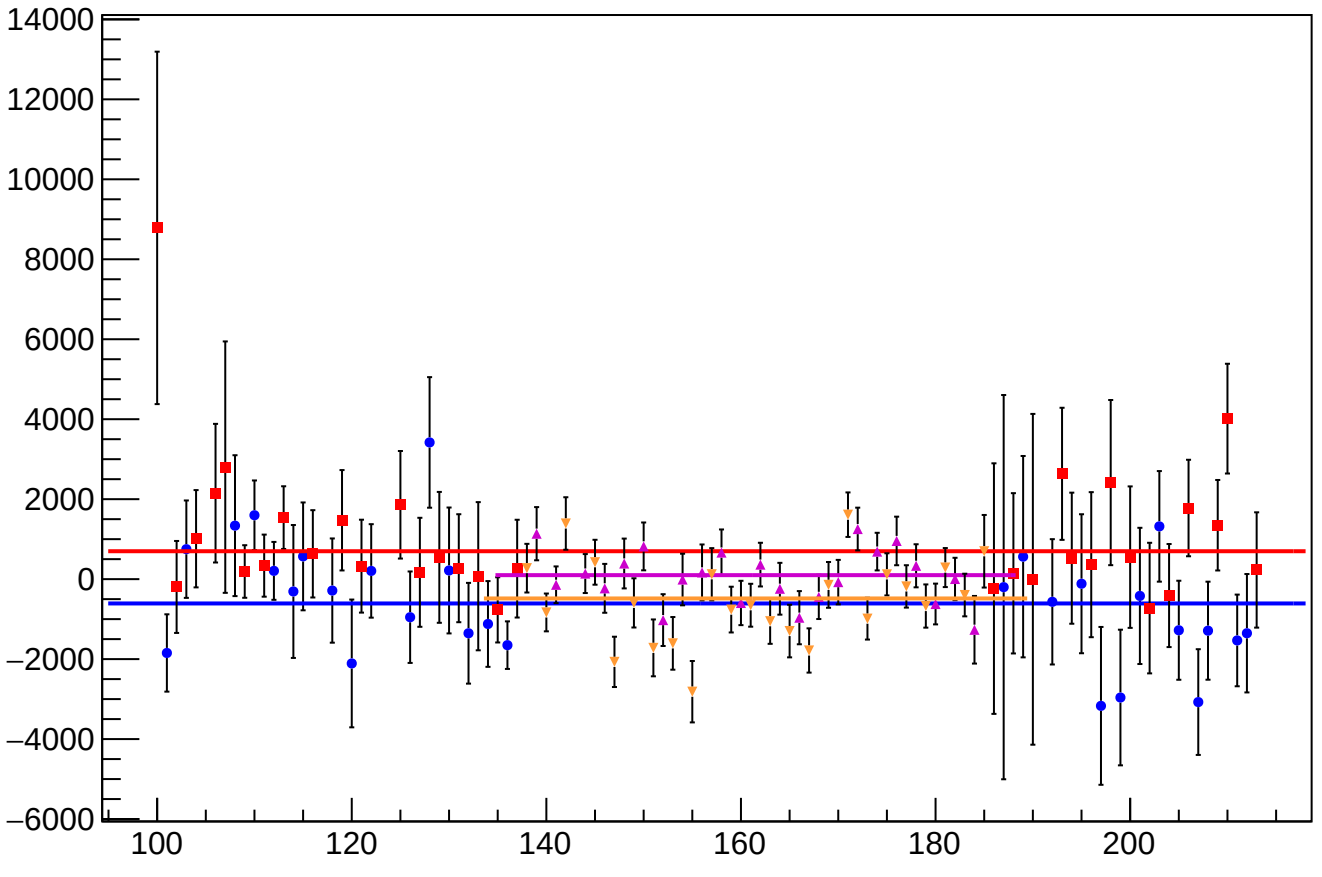
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 772.500+/-0.091 χ^2/NDF: 42178.4/60

In: 773.926+/-0.091 χ^2/NDF:20705.2/51

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

All: 774.836+/-0.064 χ^2/NDF: 48087.8/107



Right In: -608.013+/-227.595 χ^2/NDF: 35.0/28

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

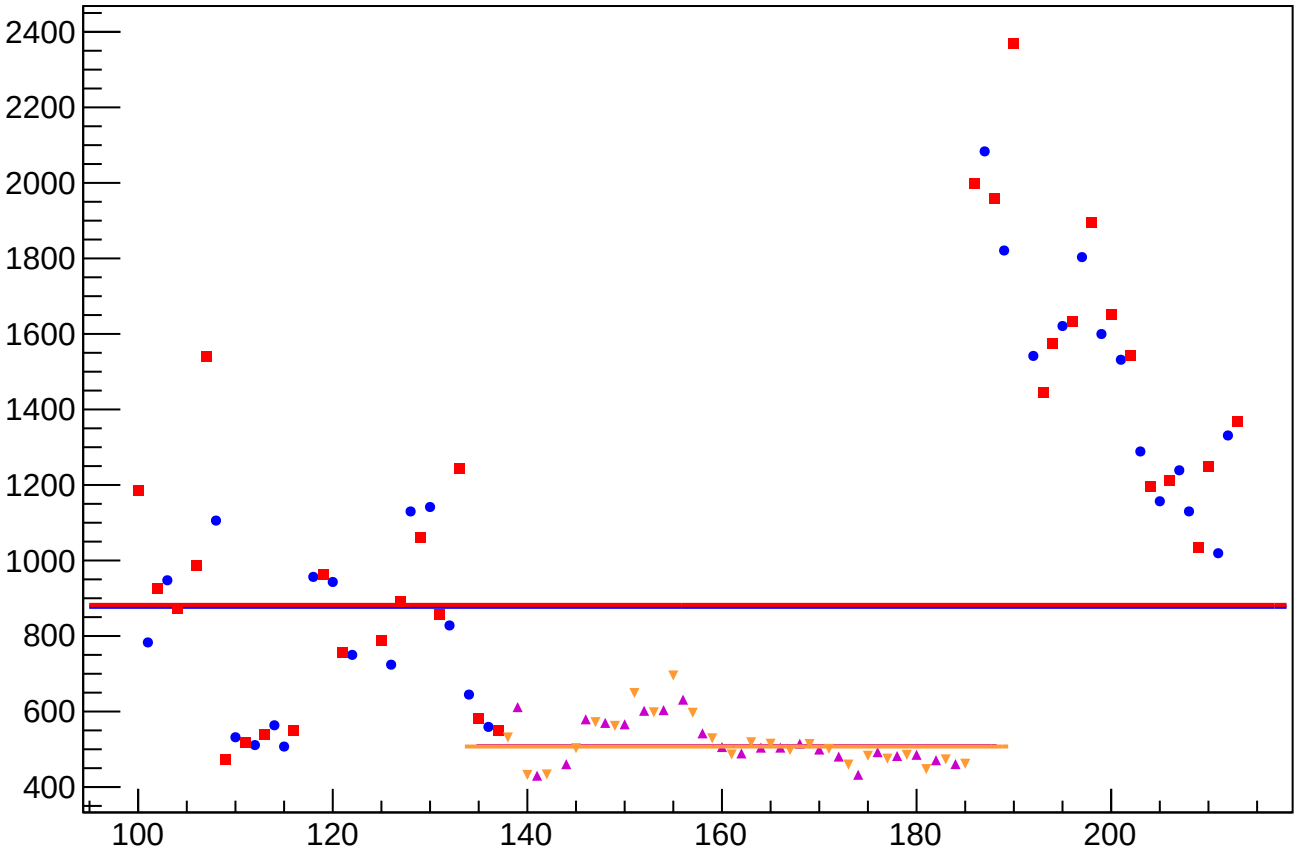
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 51.293+/-160.173 χ^2/NDF: 74.6/60

In: -53.372+/-105.925 χ^2/NDF:70.0/51

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

All: -140.449+/-74.609 χ^2/NDF: 180.9/107



Right In: 877.277+/-0.161 χ^2/NDF: 4914084.4/28

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

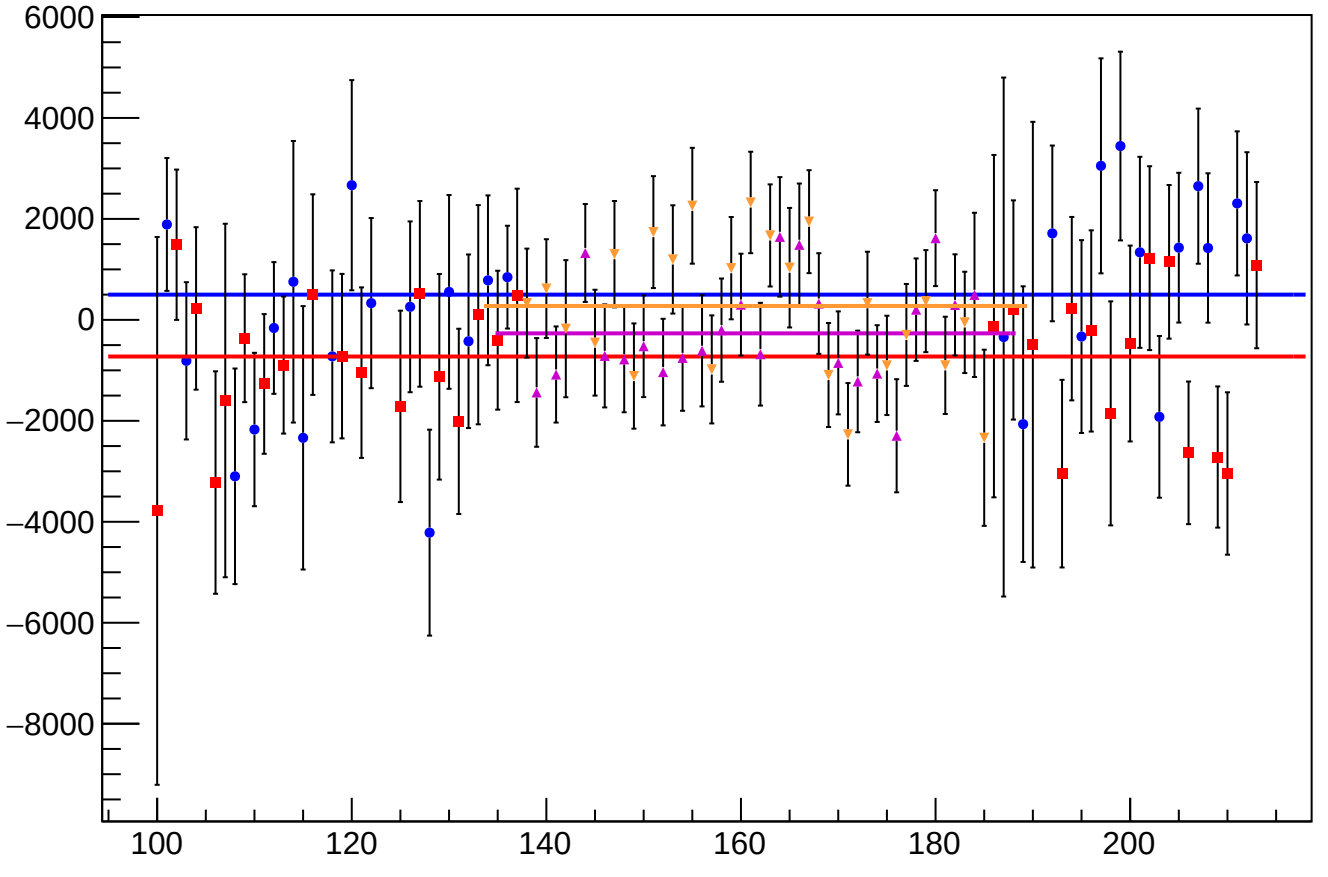
Right: 879.924+/-0.113 χ^2/NDF: 11251688.0/60

In: 588.488+/-0.075 χ^2/NDF:9456953.8/51

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

All: 588.677+/-0.053 χ^2/NDF: 20603264.9/10

asym_us_dd_mean vs Slug, Sign Corrected



Right In: 499.853+/-315.106 χ^2/NDF: 29.4/28

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

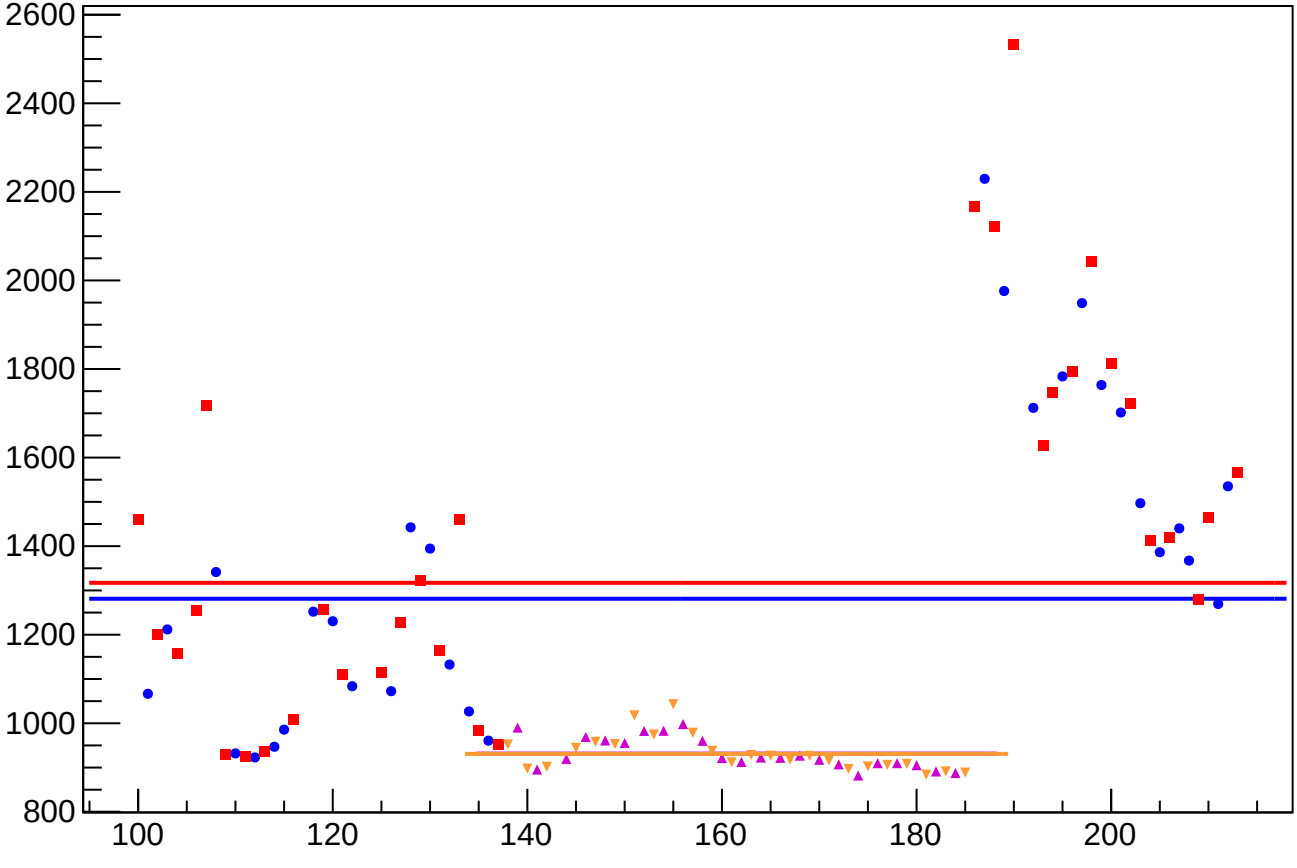
Right: -113.067+/-222.831 χ^2/NDF: 55.8/60

In: -19.297+/-179.103 χ^2/NDF:54.7/51

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

All: -32.427+/-126.371 χ^2/NDF: 114.1/107

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1281.243+/-0.223 χ^2/NDF: 1713833.7/28

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

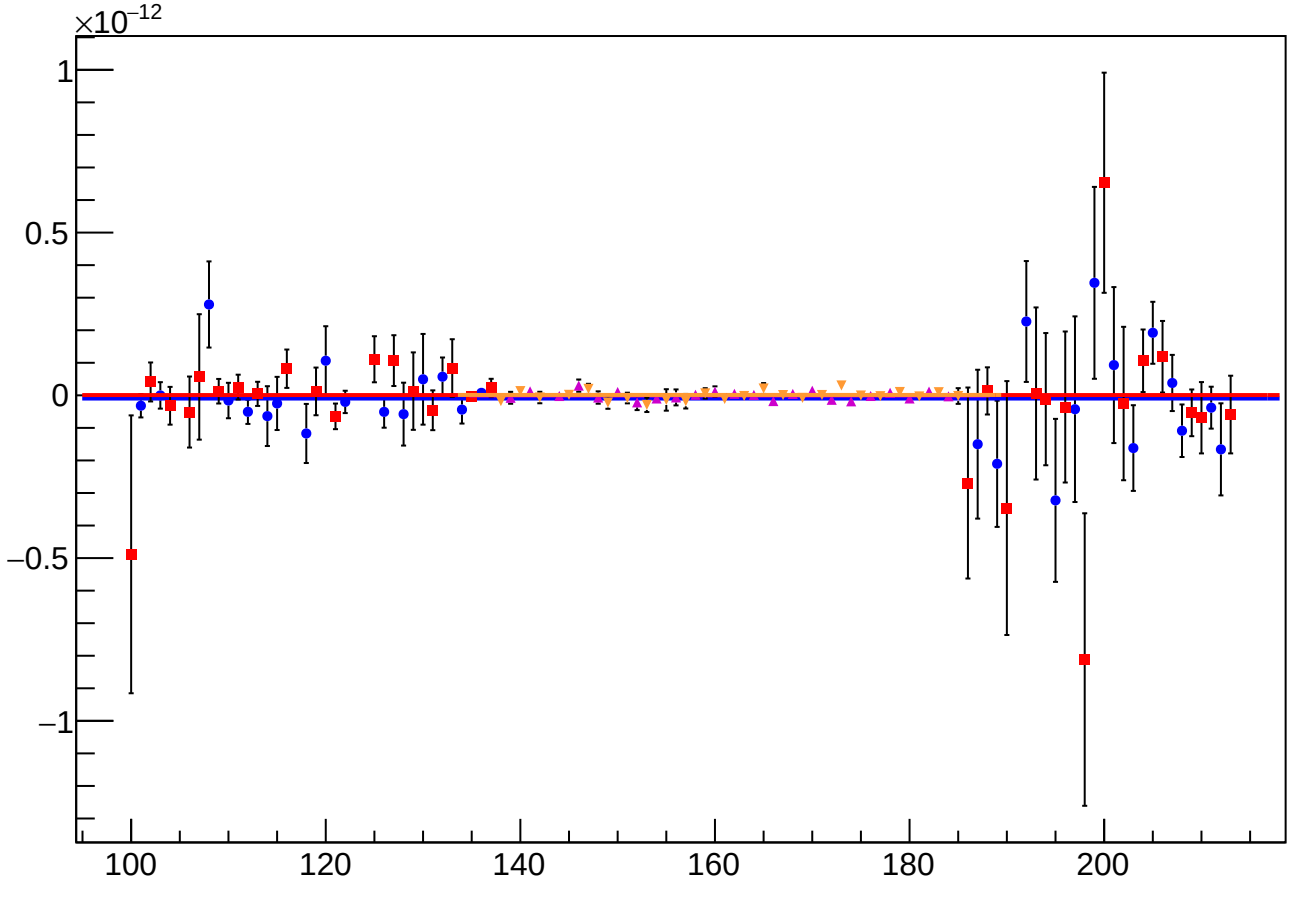
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1299.235+/-0.158 χ^2/NDF: 3962473.5/60

In: 1044.532+/-0.127 χ^2/NDF:3430025.8/51

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

All: 1049.595+/-0.089 χ^2/NDF: 7773624.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/28

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

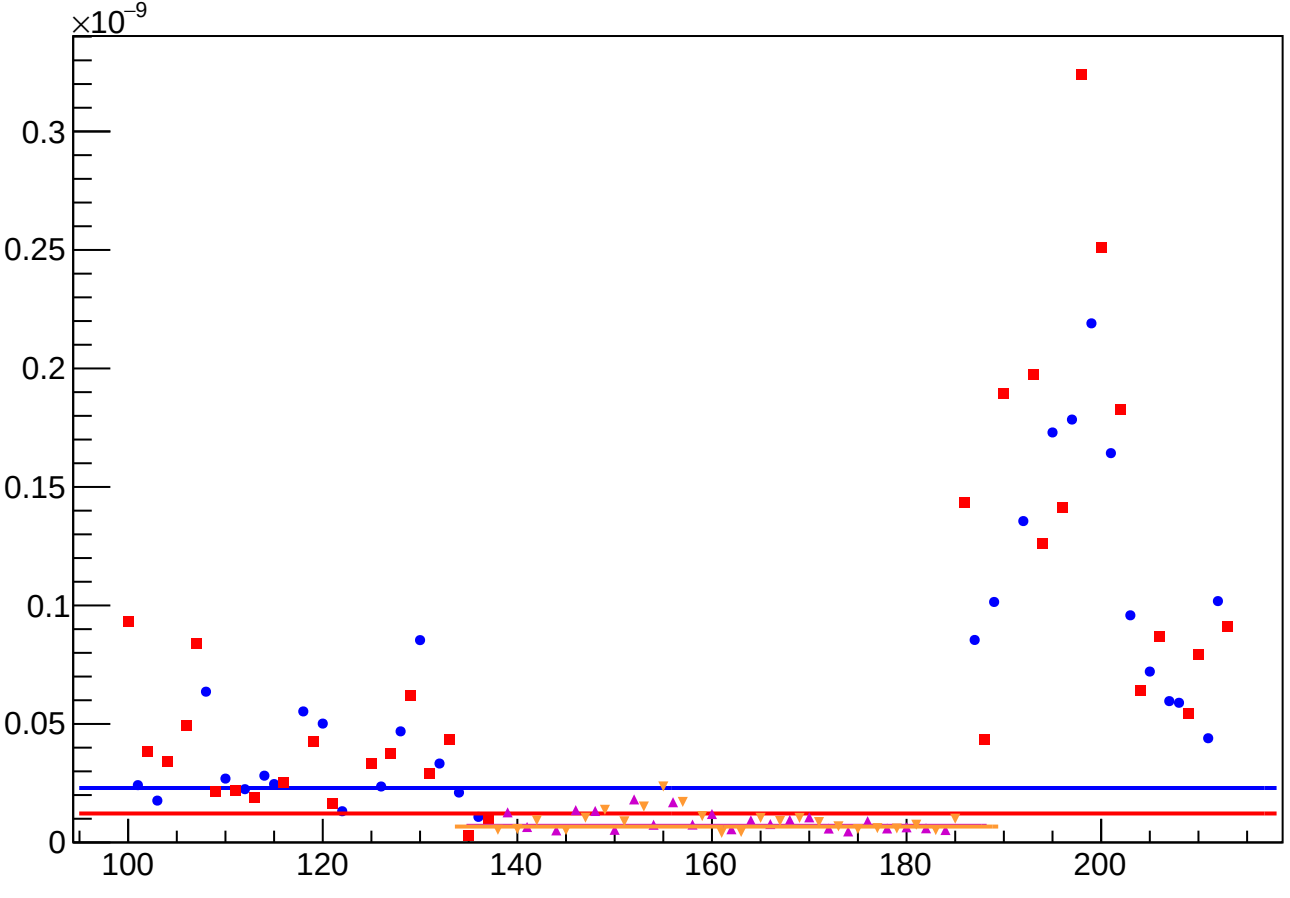
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 56.6/60

In: -0.000+/-0.000 χ^2/NDF:52.2/51

Out: 0.000+/-0.000 χ^2/NDF:52.3/55

All: 0.000+/-0.000 χ^2/NDF: 104.9/107



Right In: 0.000+/-0.000 χ^2/NDF: 9503510.0/28

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

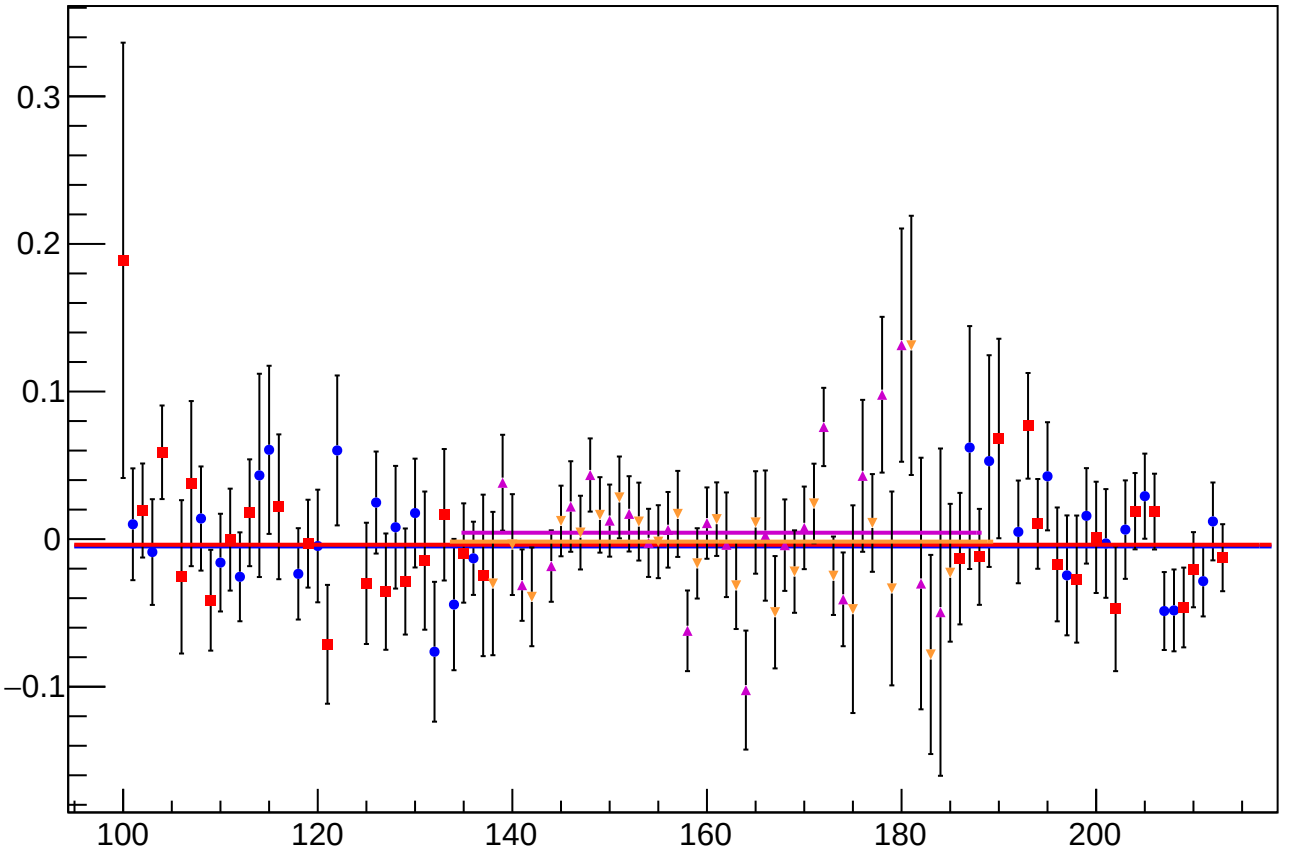
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 26783137.5/60

In: 0.000+/-0.000 χ^2/NDF:16960607.5/51

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

All: 0.000+/-0.000 χ^2/NDF: 36775997.2/107



Right In: -0.005+/-0.006 χ^2/NDF: 21.0/28

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

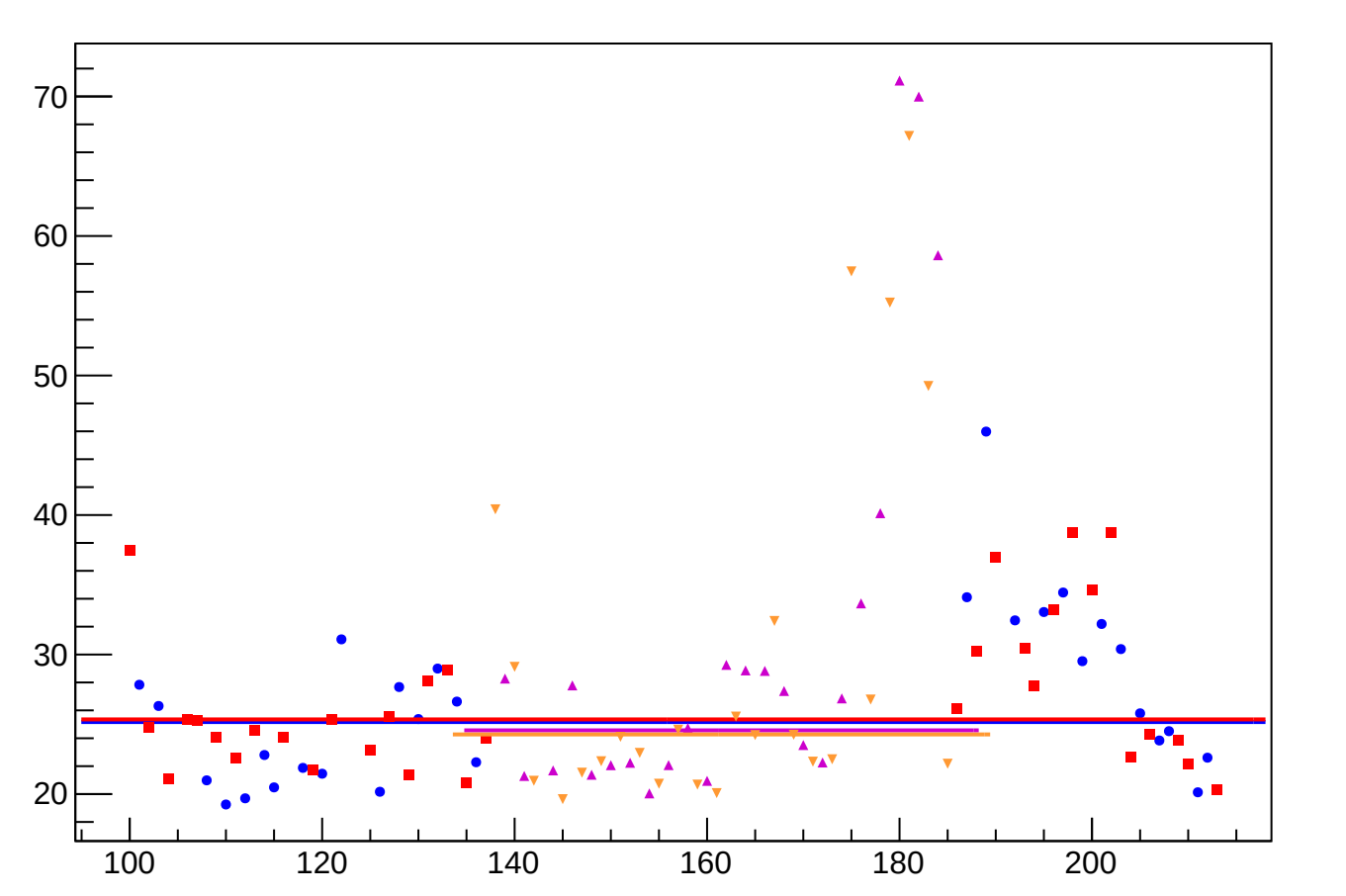
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.005 χ^2/NDF: 47.1/60

In: -0.000+/-0.005 χ^2/NDF:58.6/51

Out: -0.003+/-0.004 χ^2/NDF:40.8/55

All: -0.002+/-0.003 χ^2/NDF: 99.5/107



Right In: 25.163+/-0.005 χ^2/NDF: 1095621.6/28

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

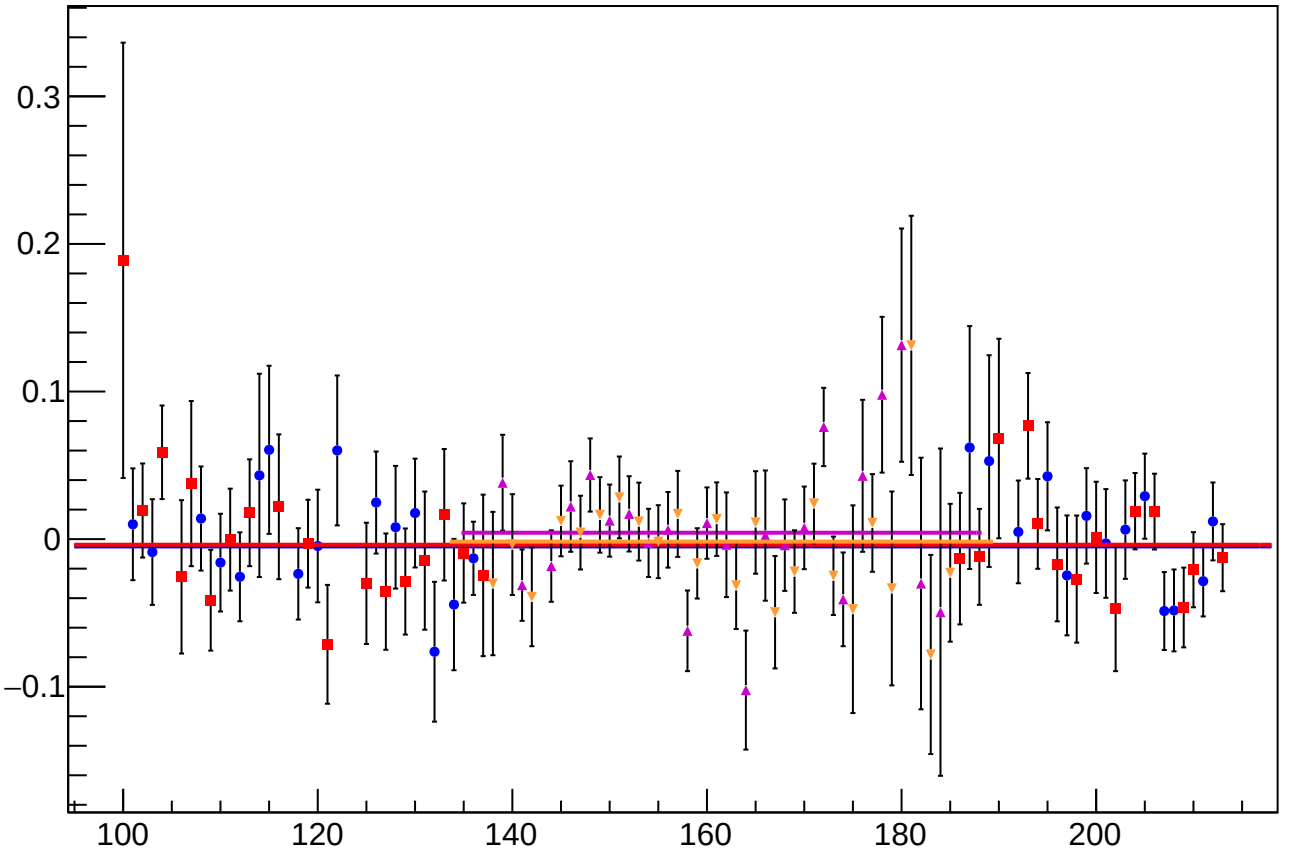
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 25.260+/-0.003 χ^2/NDF: 2200045.3/60

In: 24.860+/-0.003 χ^2/NDF:3237185.0/51

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

All: 24.839+/-0.002 χ^2/NDF: 6680610.3/107



Right In: -0.005+/-0.006 χ^2/NDF: 21.0/28

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

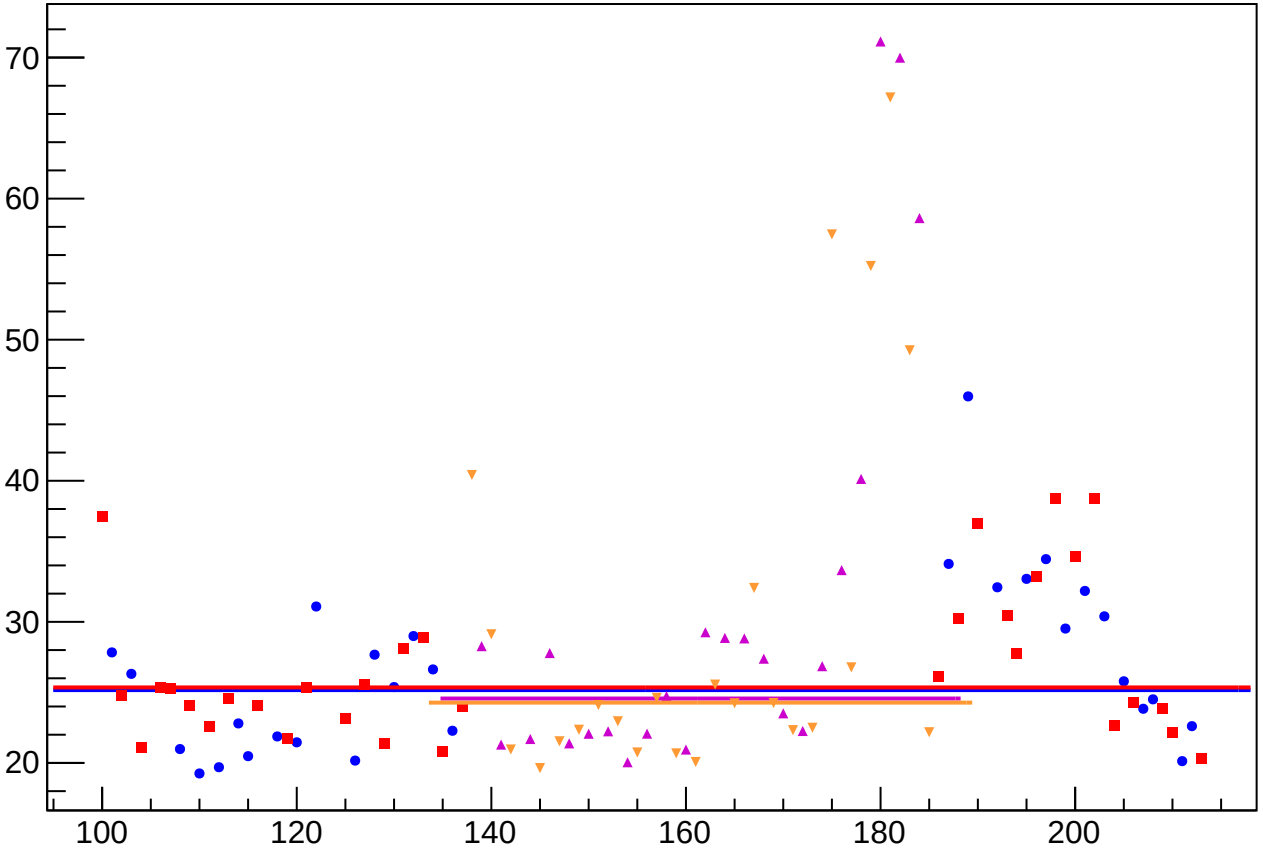
Right: -0.004+/-0.005 χ^2/NDF: 47.1/60

In: -0.000+/-0.005 χ^2/NDF:58.6/51

Out: -0.003+/-0.004 χ^2/NDF:40.8/55

All: -0.002+/-0.003 χ^2/NDF: 99.5/107

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.163+/-0.005 χ^2/NDF: 1095621.6/28

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

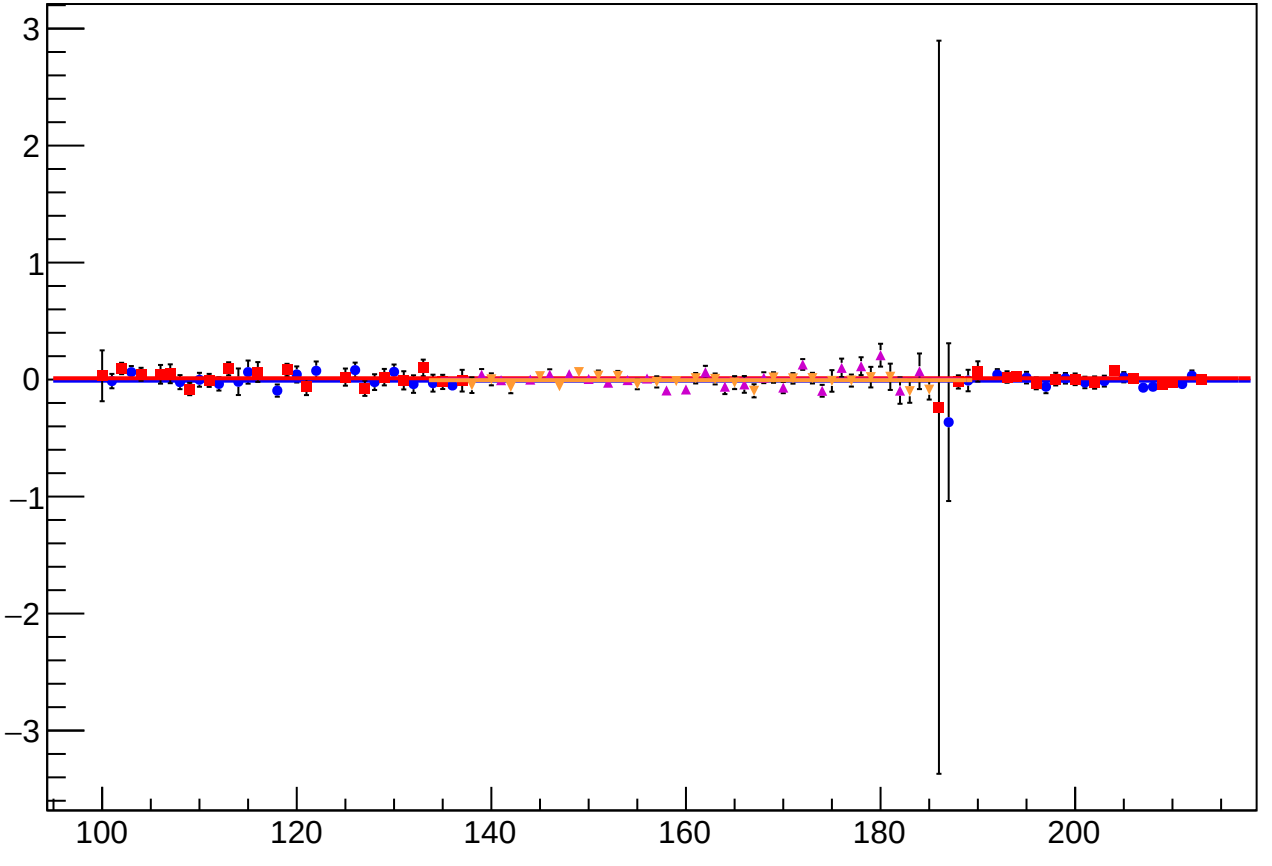
Right: 25.260+/-0.003 χ^2/NDF: 2200045.3/60

In: 24.860+/-0.003 χ^2/NDF:3237185.0/51

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

All: 24.839+/-0.002 χ^2/NDF: 6680610.3/107

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.010 χ^2/NDF: 20.1/28

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

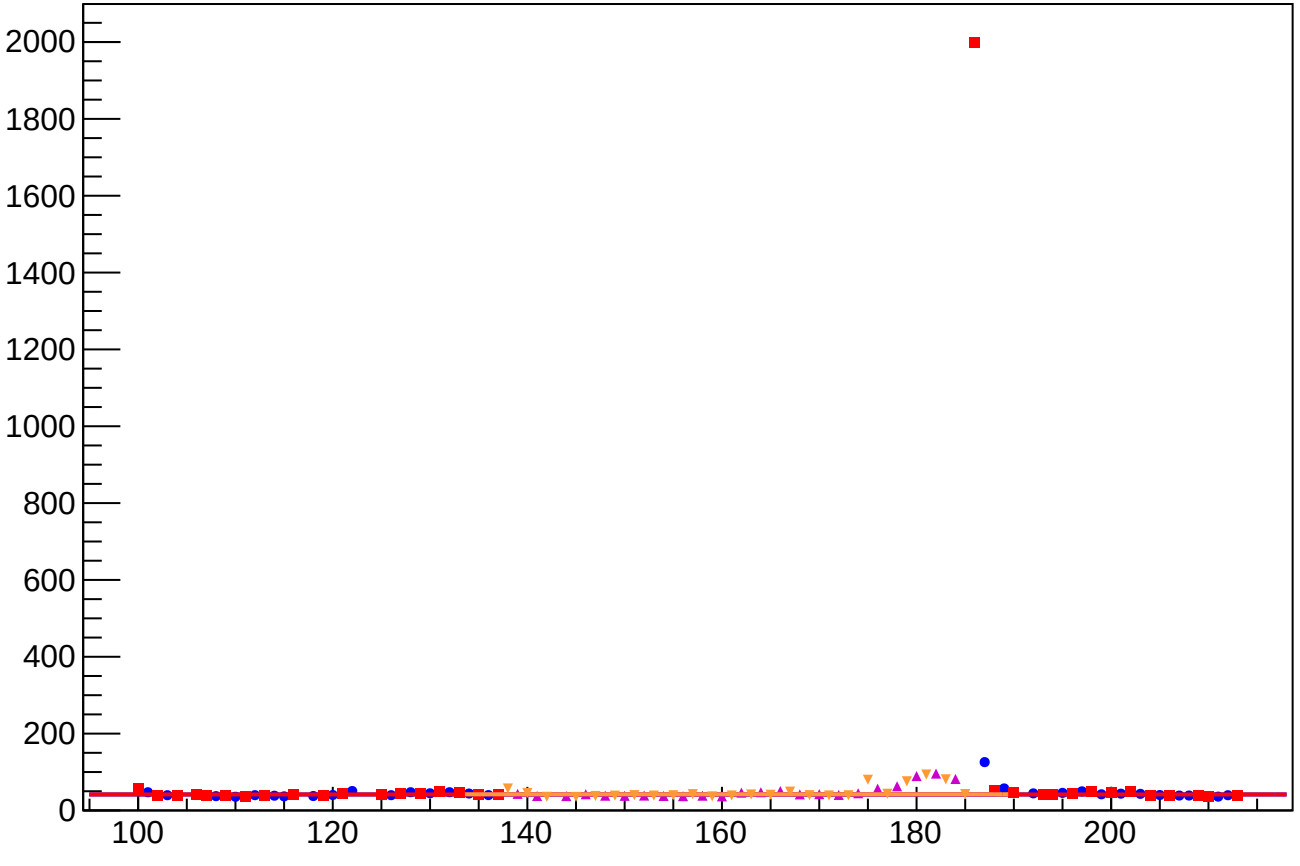
Right: 0.001+/-0.007 χ^2/NDF: 45.2/60

In: -0.005+/-0.007 χ^2/NDF:58.4/51

Out: 0.003+/-0.007 χ^2/NDF:38.2/55

All: -0.001+/-0.005 χ^2/NDF: 97.2/107

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.595+/-0.007 χ^2/NDF: 356891.8/28

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

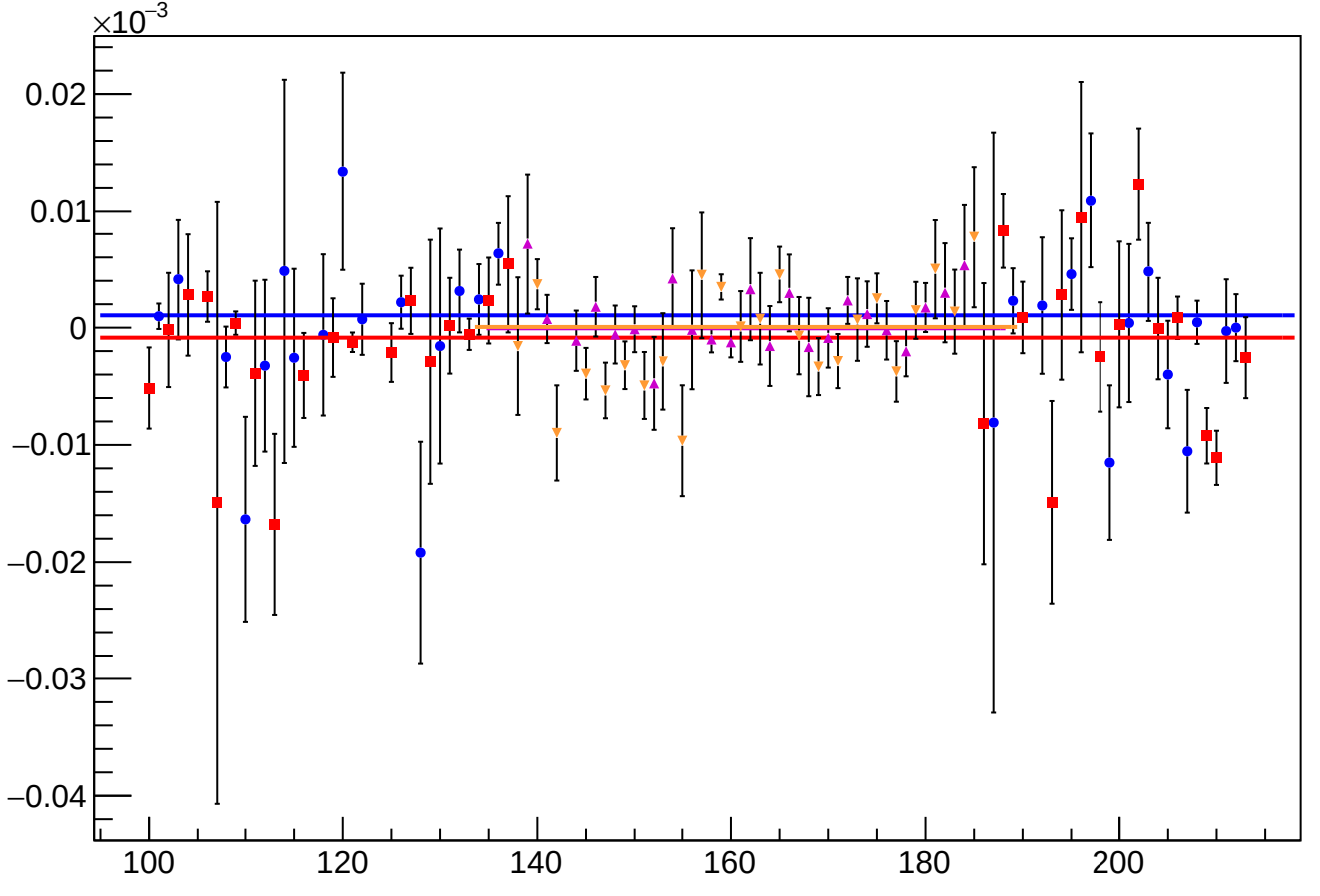
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 41.622+/-0.005 χ^2/NDF: 1476011.7/60

In: 41.834+/-0.005 χ^2/NDF:1902574.5/51

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

All: 41.847+/-0.004 χ^2/NDF: 4739593.0/107



Right In: 0.000+/-0.000 χ^2/NDF: 33.9/28

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

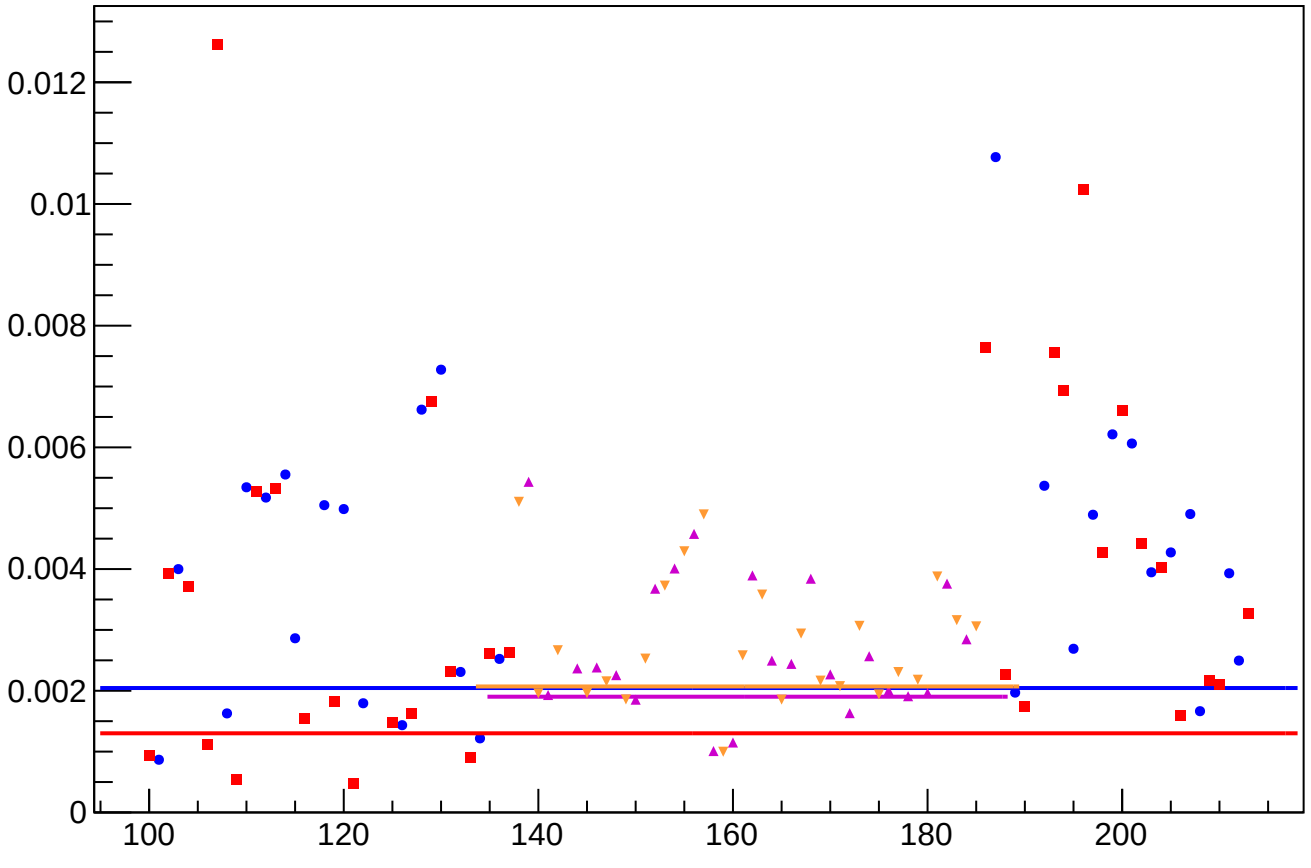
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: -0.000+/-0.000 χ^2/NDF: 109.6/60

In: 0.000+/-0.000 χ^2/NDF:48.9/51

Out: -0.000+/-0.000 χ^2/NDF:122.7/55

All: -0.000+/-0.000 χ^2/NDF: 174.4/107



Right In: 0.002+/-0.000 χ^2/NDF: 10447579.0/28

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

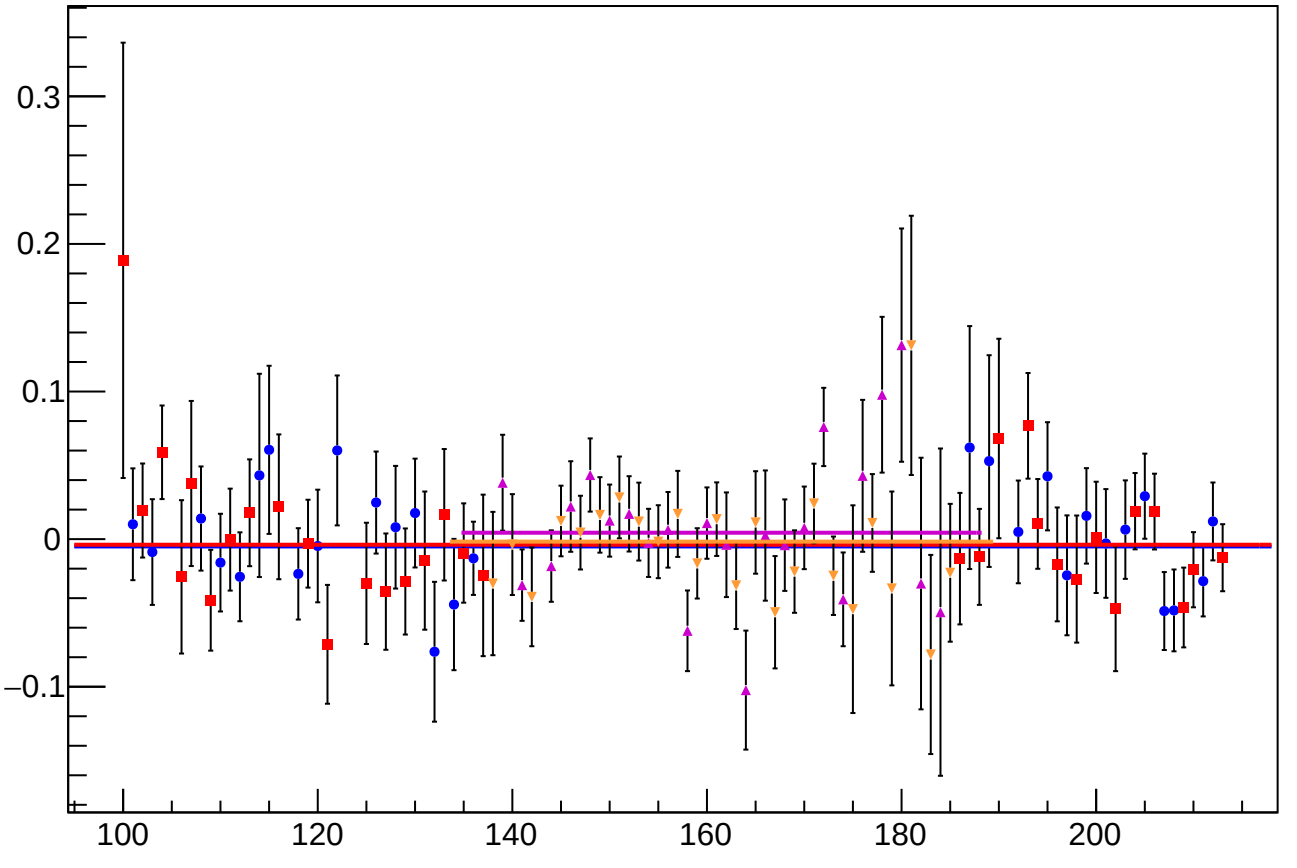
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.002+/-0.000 χ^2/NDF: 28384214.7/60

In: 0.002+/-0.000 χ^2/NDF:16450234.2/51

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

All: 0.002+/-0.000 χ^2/NDF: 41110487.9/107



Right In: -0.005+/-0.006 χ^2/NDF: 21.0/28

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

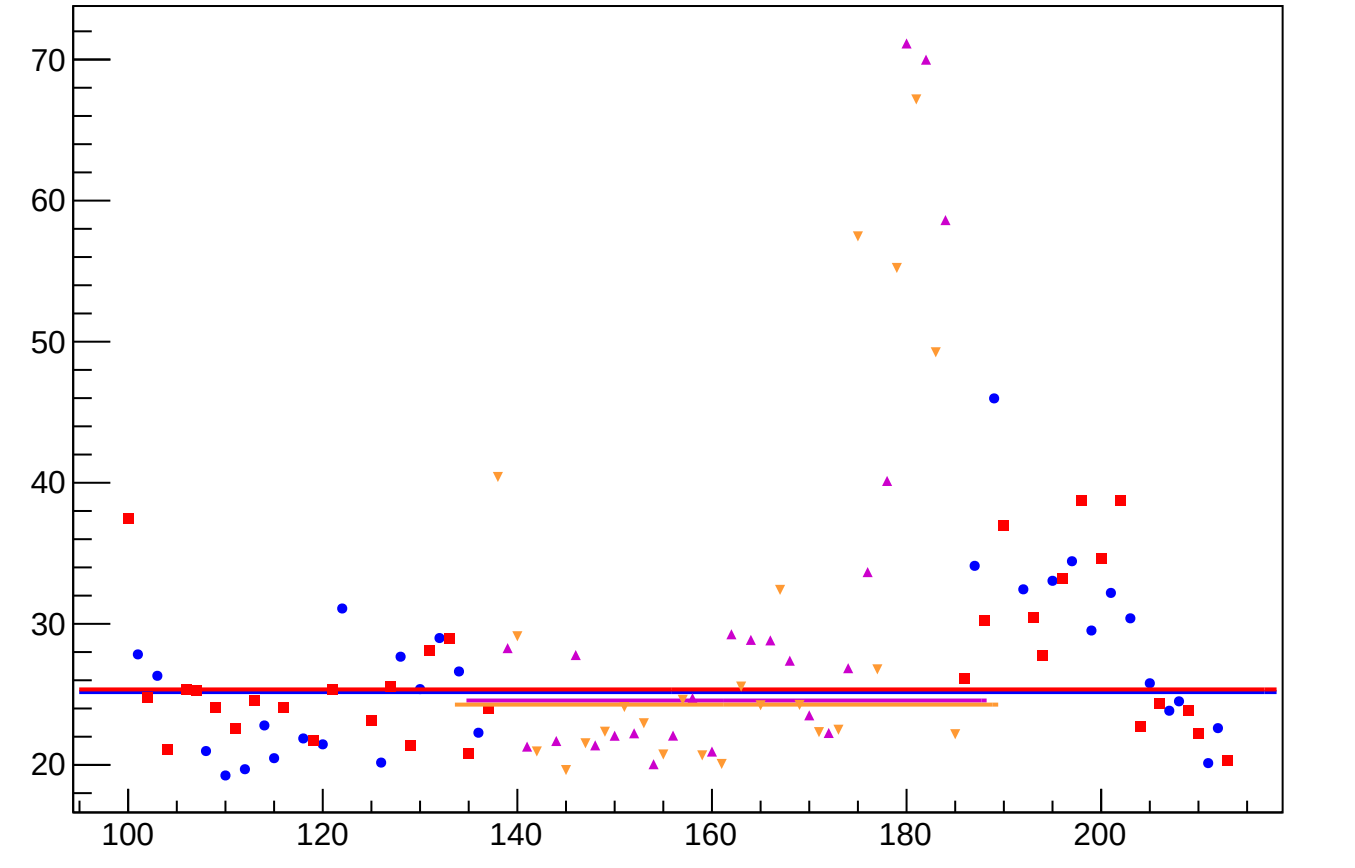
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.005 χ^2/NDF: 47.1/60

In: -0.000+/-0.005 χ^2/NDF:58.6/51

Out: -0.003+/-0.004 χ^2/NDF:40.8/55

All: -0.002+/-0.003 χ^2/NDF: 99.5/107



Right In: 25.162+/-0.005 χ^2/NDF: 1095552.4/28

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

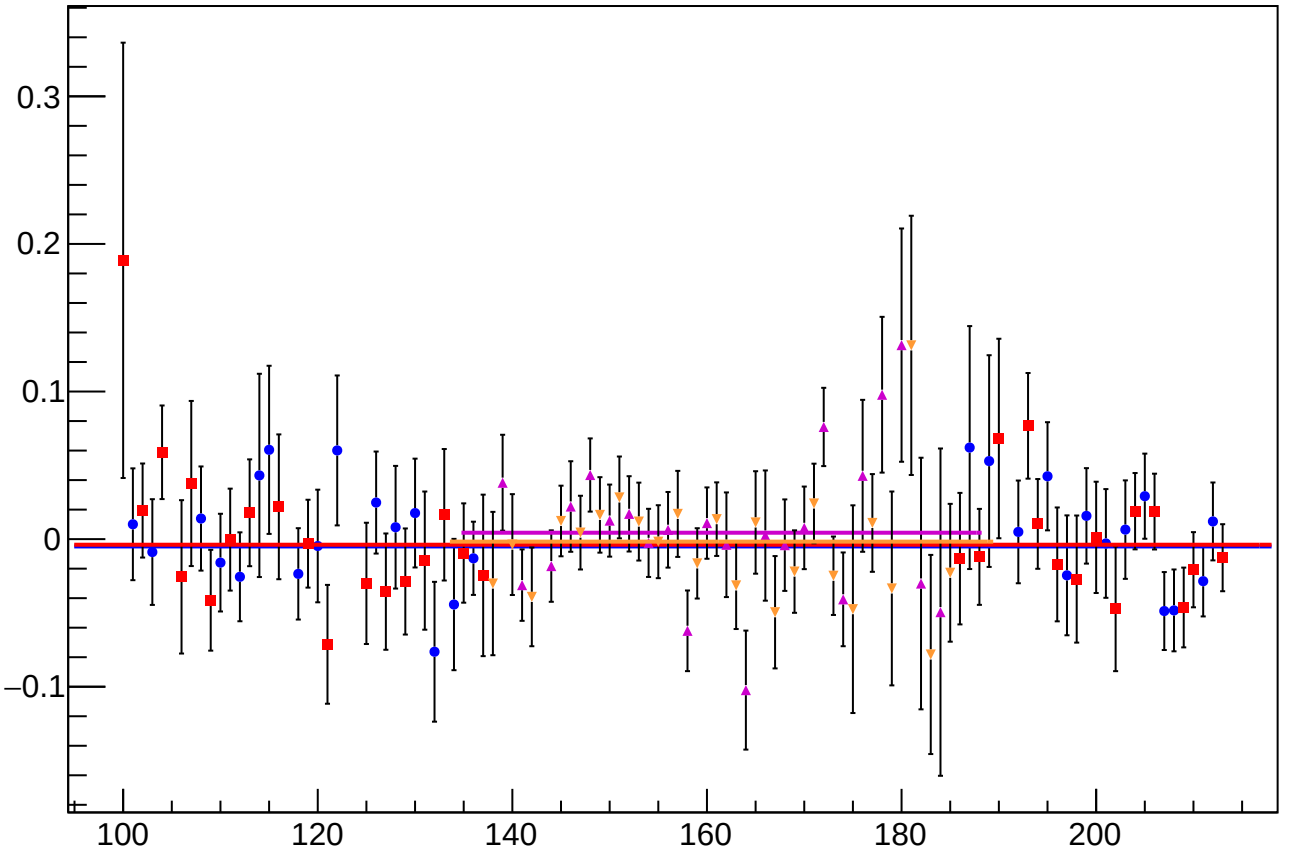
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 25.260+/-0.003 χ^2/NDF: 2199884.4/60

In: 24.860+/-0.003 χ^2/NDF:3236965.4/51

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

All: 24.839+/-0.002 χ^2/NDF: 6680312.1/107



Right In: -0.005+/-0.006 χ^2/NDF: 21.0/28

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

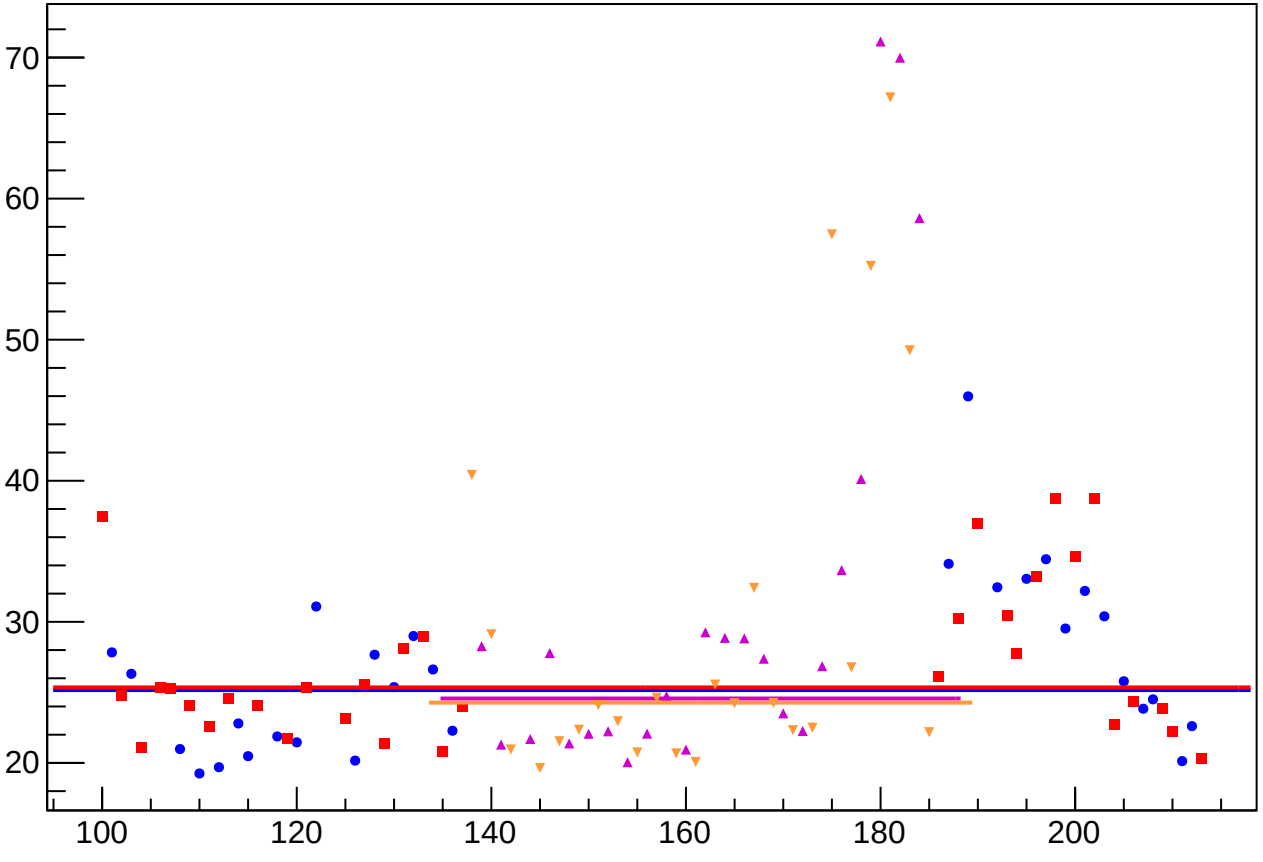
Right: -0.004+/-0.005 χ^2/NDF: 47.1/60

In: -0.000+/-0.005 χ^2/NDF:58.6/51

Out: -0.003+/-0.004 χ^2/NDF:40.8/55

All: -0.002+/-0.003 χ^2/NDF: 99.5/107

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.162+/-0.005 χ^2/NDF: 1095552.4/28

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

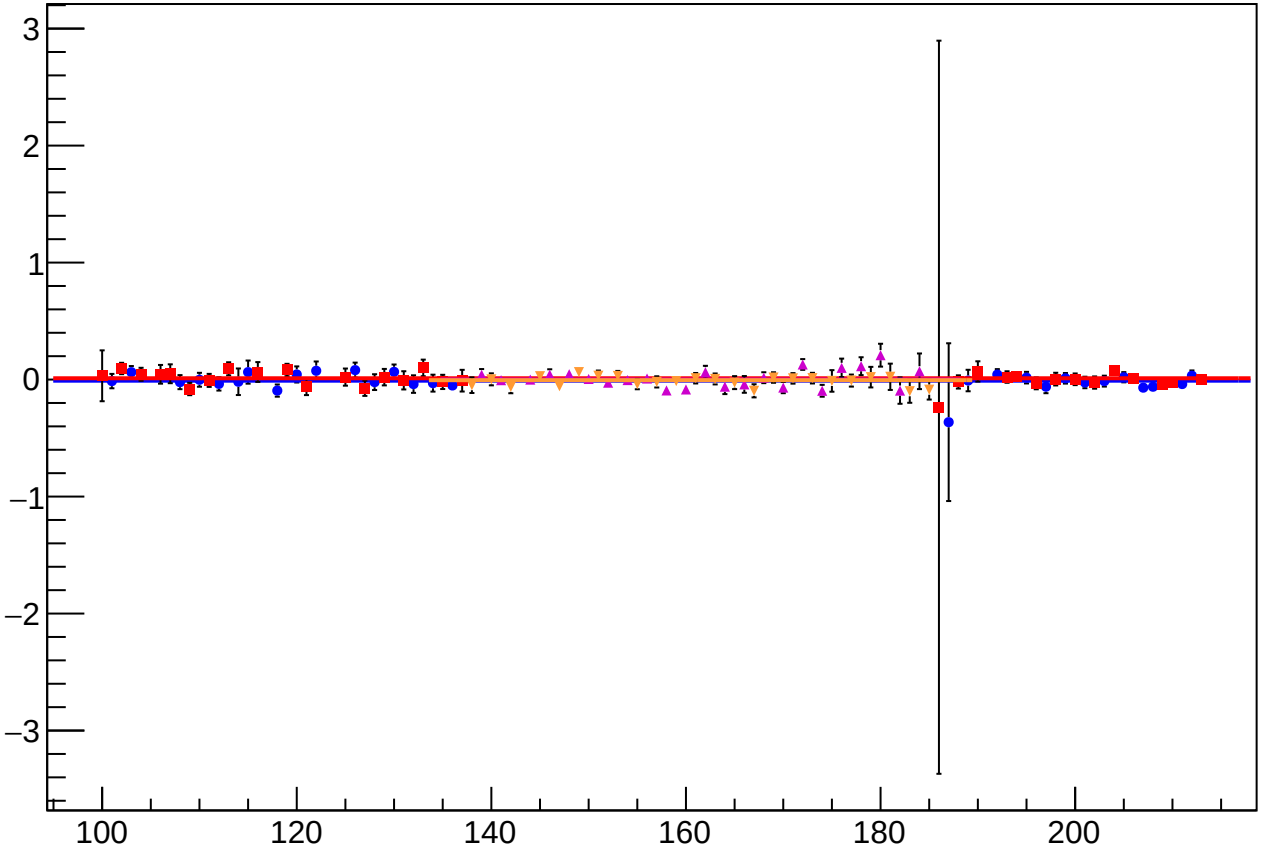
Right: 25.260+/-0.003 χ^2/NDF: 2199884.4/60

In: 24.860+/-0.003 χ^2/NDF:3236965.4/51

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

All: 24.839+/-0.002 χ^2/NDF: 6680312.1/107

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.010 χ^2/NDF: 20.1/28

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

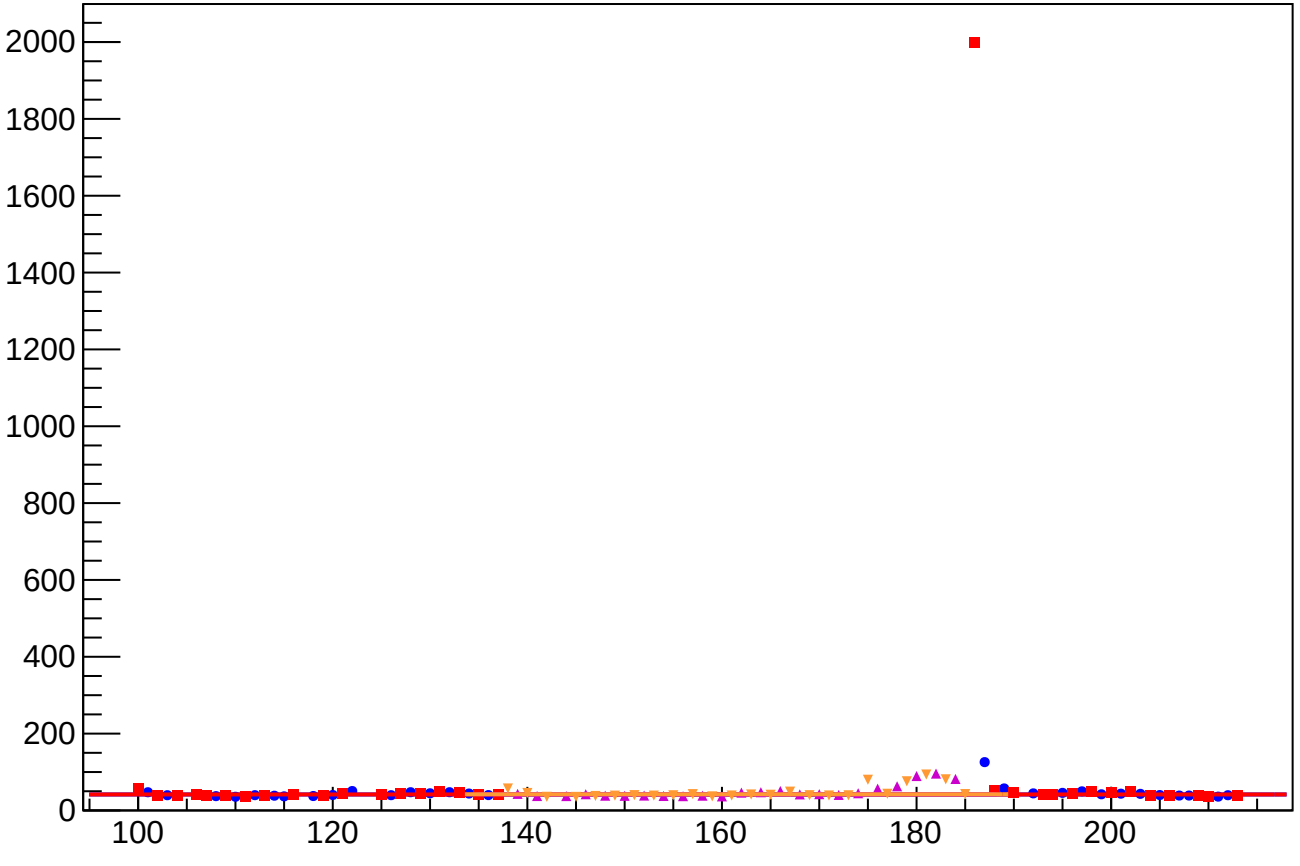
Right: 0.001+/-0.007 χ^2/NDF: 45.2/60

In: -0.005+/-0.007 χ^2/NDF:58.4/51

Out: 0.003+/-0.007 χ^2/NDF:38.2/55

All: -0.001+/-0.005 χ^2/NDF: 97.2/107

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.595+/-0.007 χ^2/NDF: 356837.2/28

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

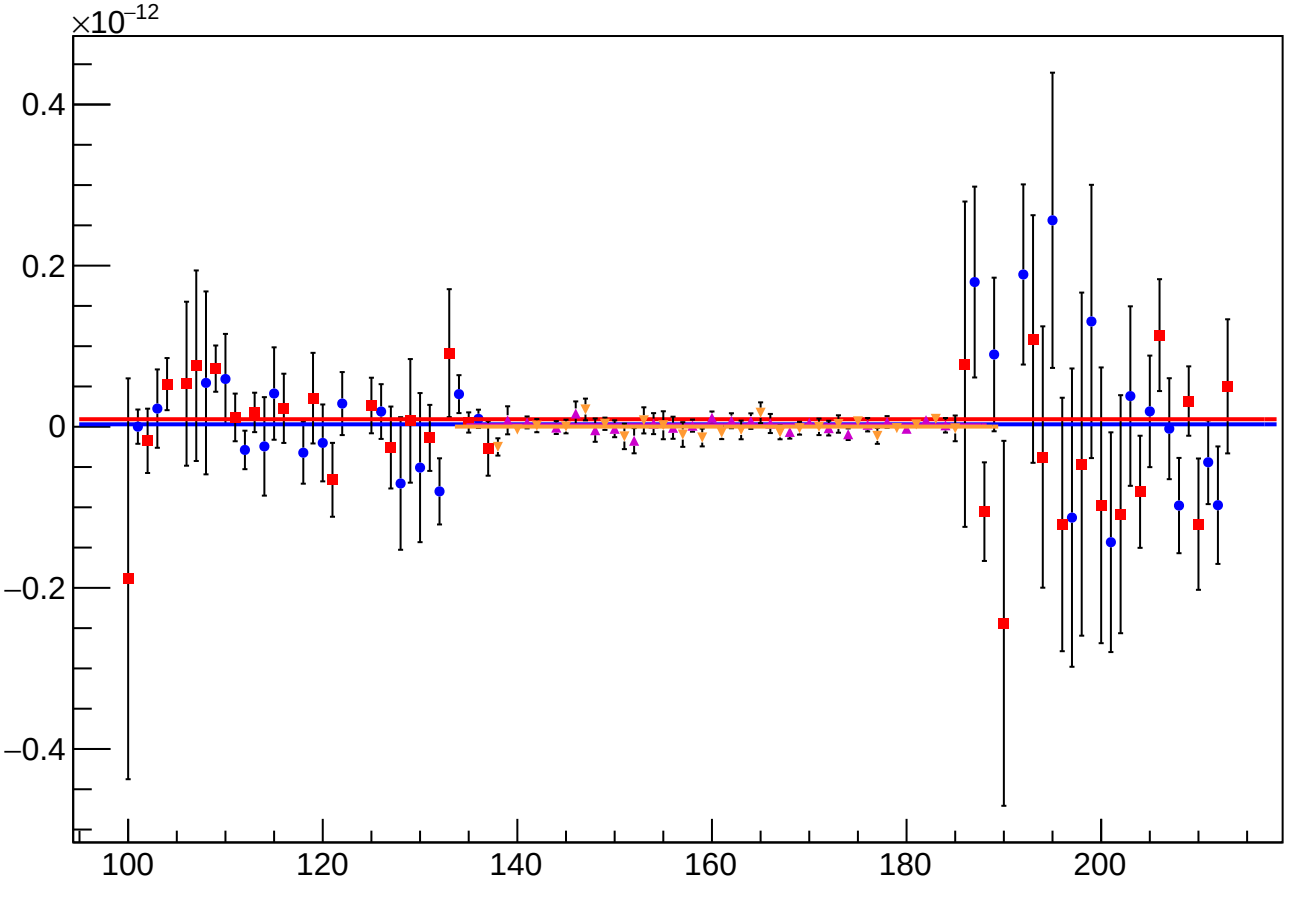
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 41.622+/-0.005 χ^2/NDF: 1475945.5/60

In: 41.834+/-0.005 χ^2/NDF:1902496.8/51

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

All: 41.847+/-0.004 χ^2/NDF: 4739494.0/107



Right In: 0.000+/-0.000 χ^2/NDF: 29.3/28

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

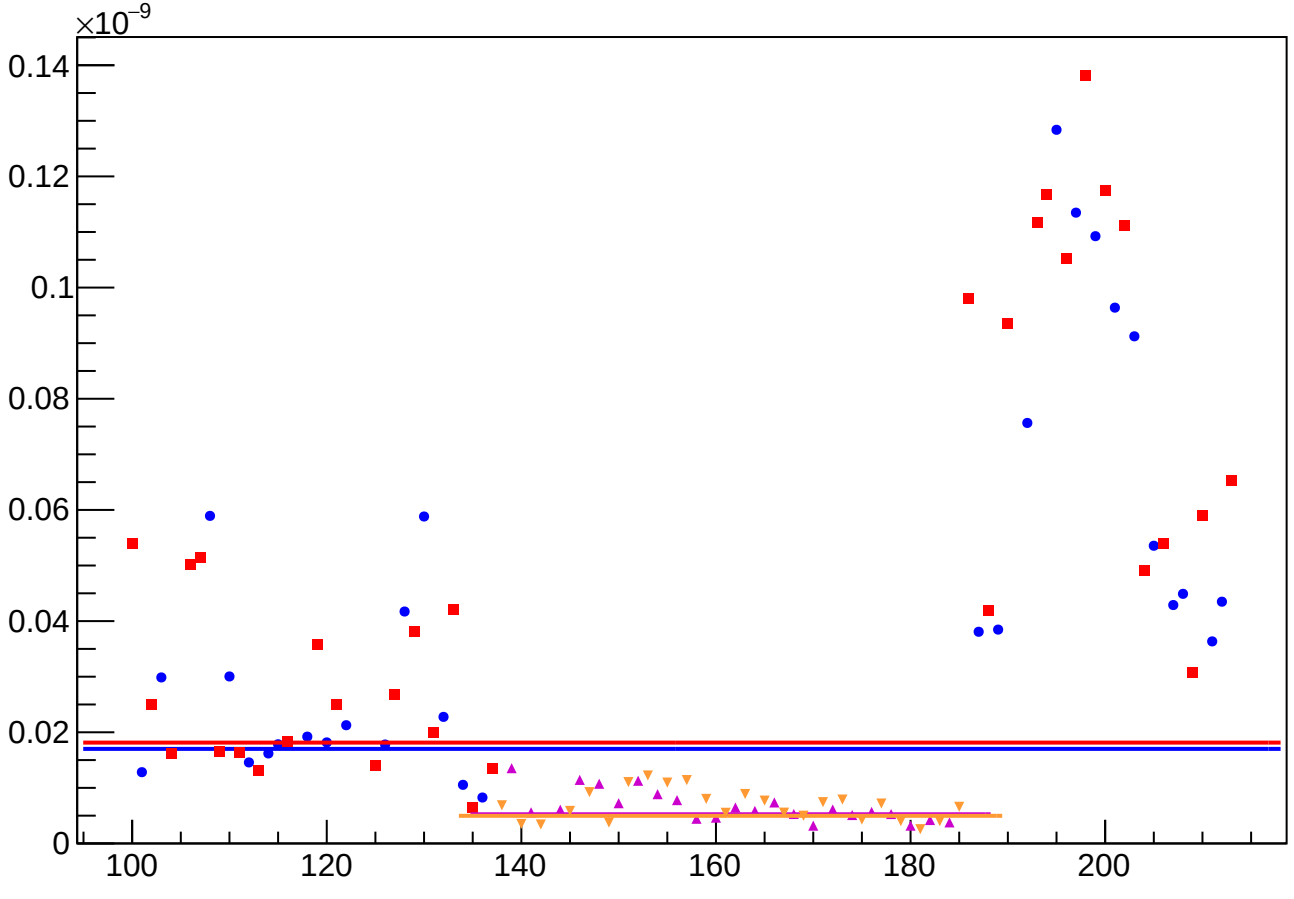
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 58.5/60

In: 0.000+/-0.000 χ^2/NDF:41.1/51

Out: 0.000+/-0.000 χ^2/NDF:51.5/55

All: 0.000+/-0.000 χ^2/NDF: 92.9/107



Right In: 0.000+/-0.000 χ^2/NDF: 8649515.6/28

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

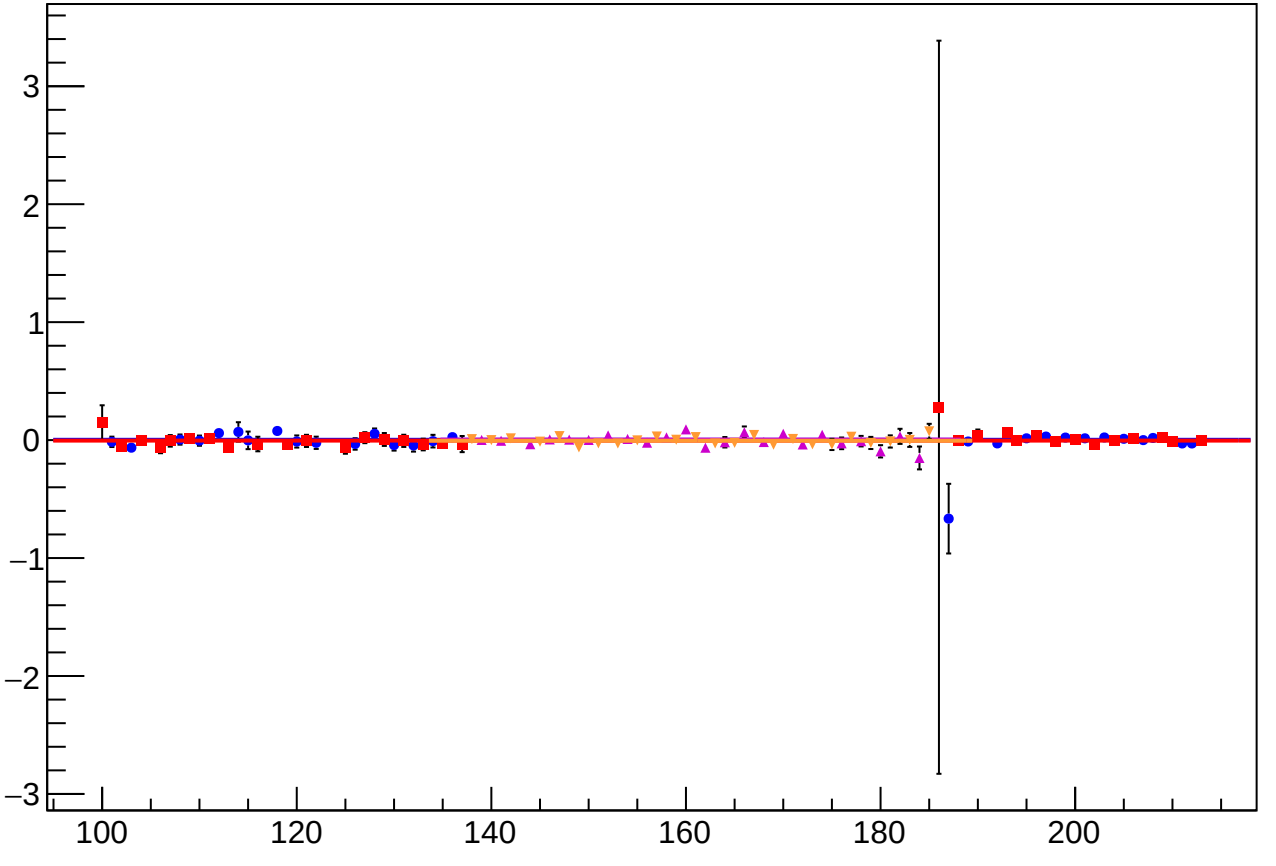
Right: 0.000+/-0.000 χ^2/NDF: 18924930.6/60

In: 0.000+/-0.000 χ^2/NDF:16528815.8/51

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

All: 0.000+/-0.000 χ^2/NDF: 36381824.7/107

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 26.6/28

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

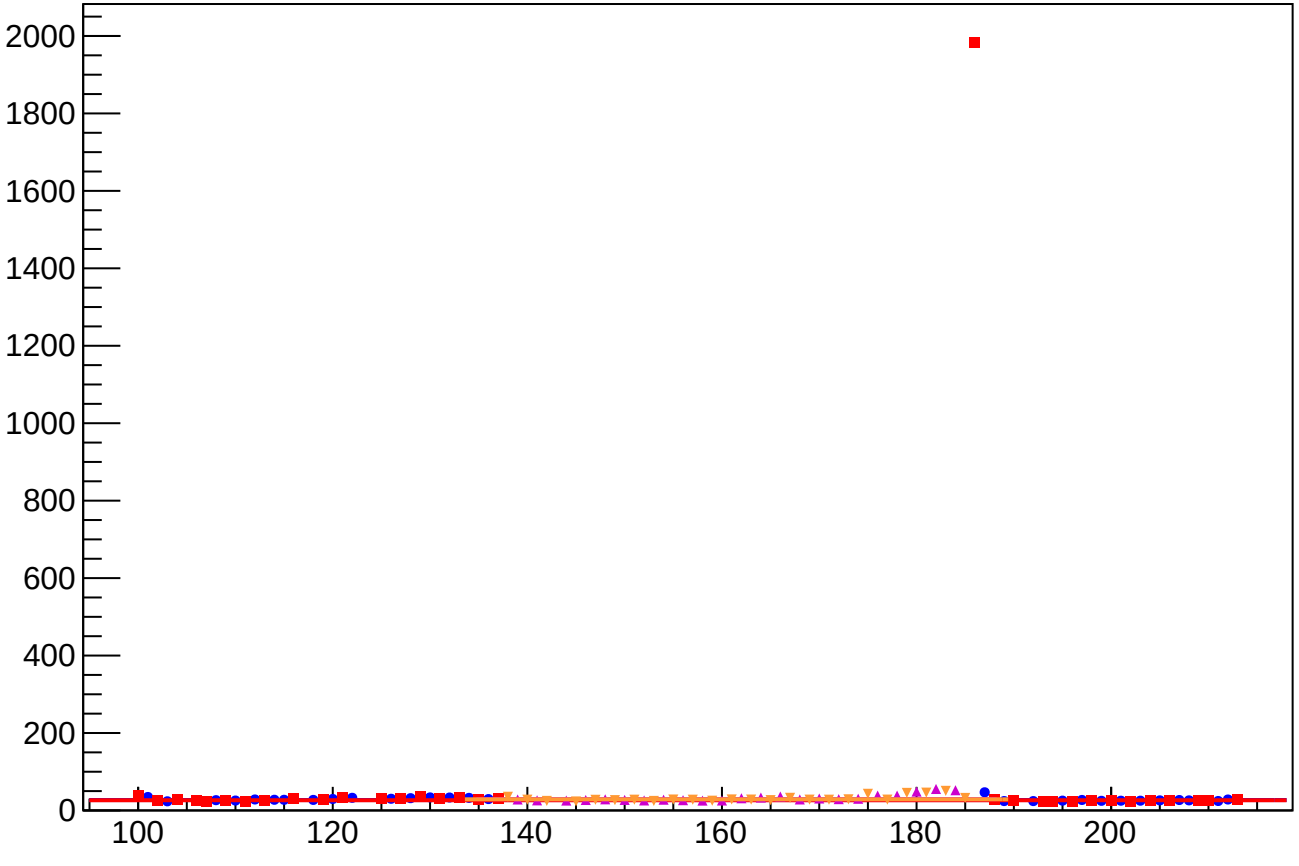
Right: -0.001+/-0.005 χ^2/NDF: 50.7/60

In: 0.003+/-0.005 χ^2/NDF:57.9/51

Out: -0.005+/-0.005 χ^2/NDF:40.3/55

All: -0.001+/-0.003 χ^2/NDF: 99.5/107

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.899+/-0.005 χ^2/NDF: 350055.2/28

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

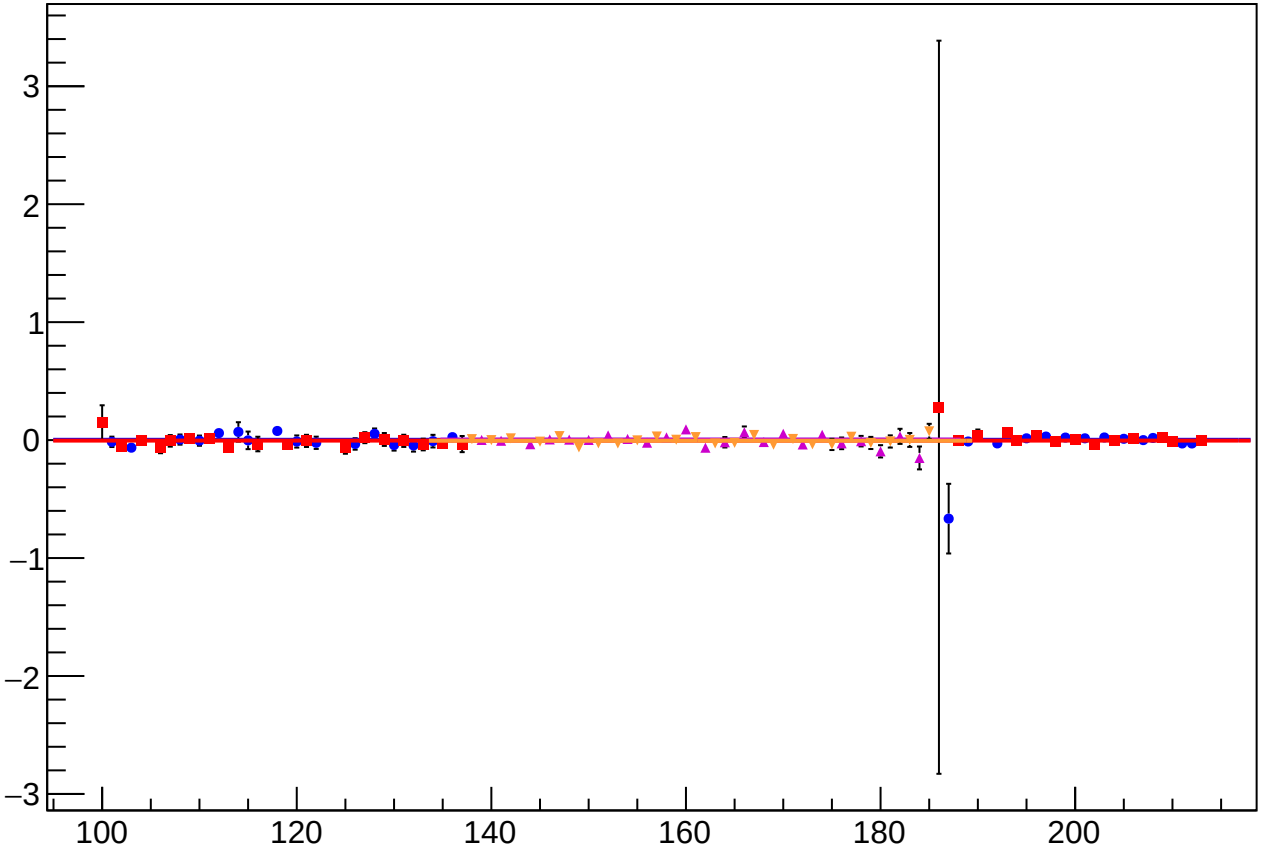
Right: 26.637+/-0.003 χ^2/NDF: 1472074.1/60

In: 28.003+/-0.003 χ^2/NDF:1604866.2/51

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

All: 27.736+/-0.002 χ^2/NDF: 4027154.4/107

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 26.6/28

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

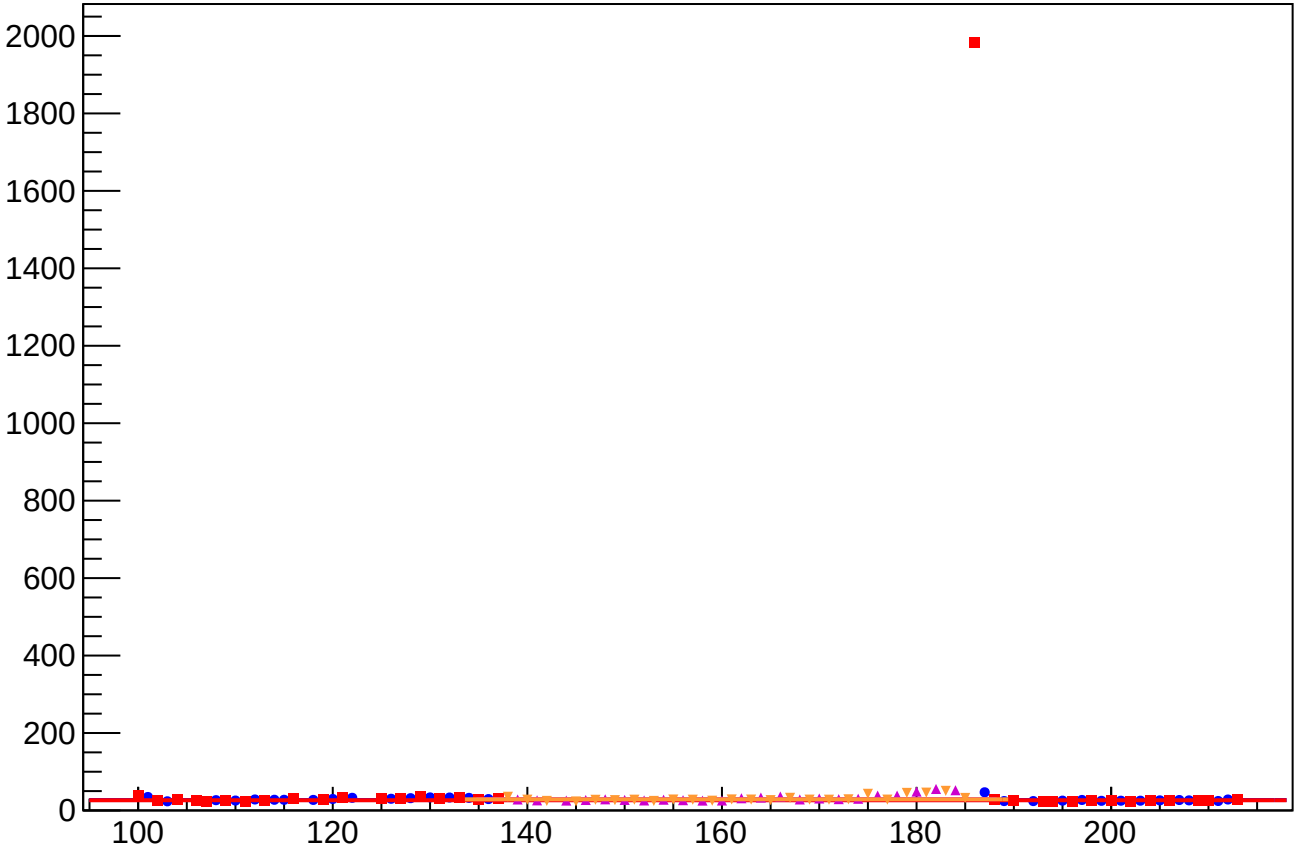
Right: -0.001+/-0.005 χ^2/NDF: 50.7/60

In: 0.003+/-0.005 χ^2/NDF:57.9/51

Out: -0.005+/-0.005 χ^2/NDF:40.3/55

All: -0.001+/-0.003 χ^2/NDF: 99.5/107

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.899+/-0.005 χ^2/NDF: 350055.2/28

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

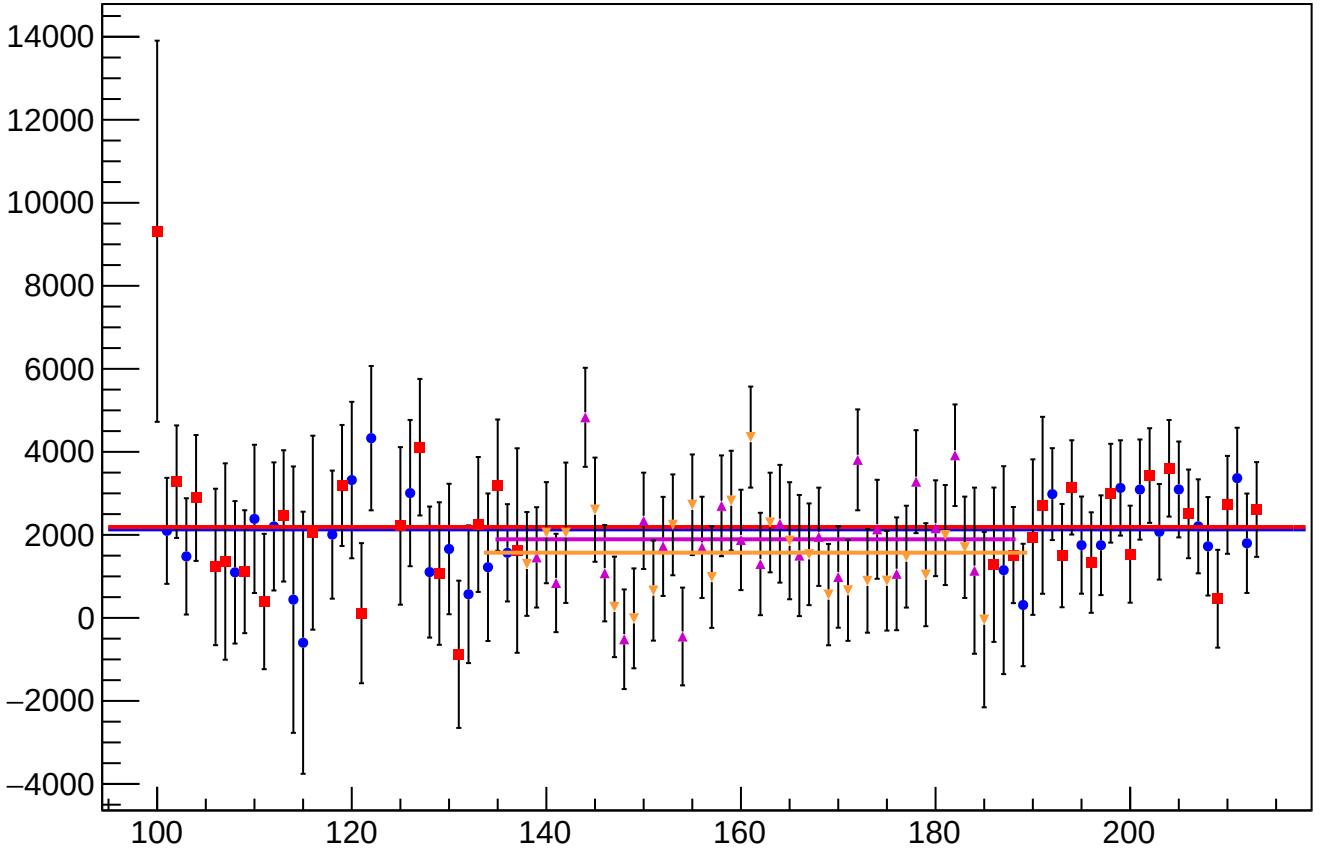
Right: 26.637+/-0.003 χ^2/NDF: 1472074.1/60

In: 28.003+/-0.003 χ^2/NDF:1604866.2/51

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

All: 27.736+/-0.002 χ^2/NDF: 4027154.4/107

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 2132.993+/-261.397 χ^2/NDF: 11.6/28

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

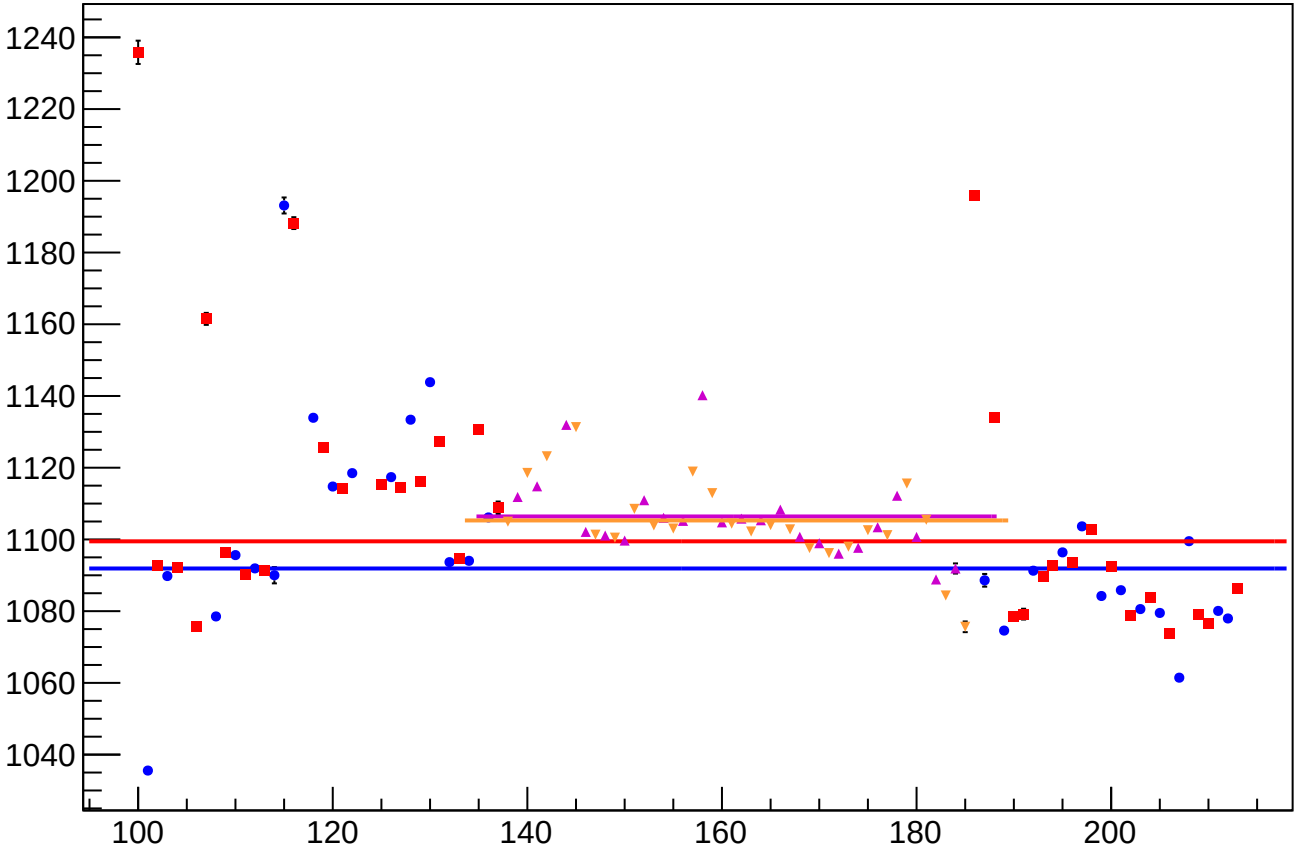
Right: 2162.095+/-181.733 χ^2/NDF: 32.4/61

In: 2011.760+/-183.745 χ^2/NDF:36.1/51

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

All: 1946.939+/-128.610 χ^2/NDF: 75.5/108

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1091.898+/-0.185 χ^2/NDF: 15668.7/28

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

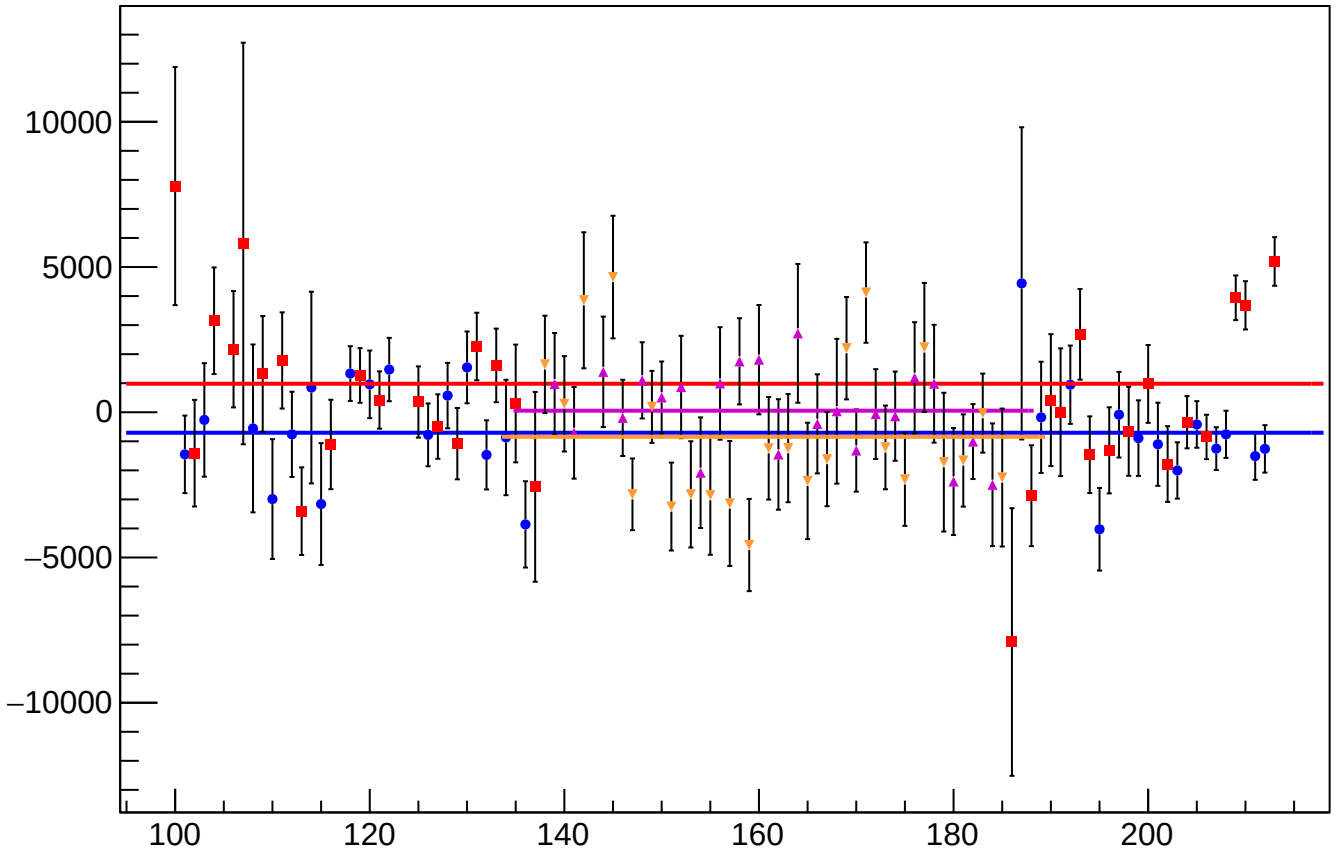
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1095.811+/-0.129 χ^2/NDF: 37439.8/61

In: 1099.237+/-0.130 χ^2/NDF:22561.3/51

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

All: 1100.820+/-0.091 χ^2/NDF: 47440.2/108



Right In: -704.929+/-222.197 χ^2/NDF: 35.6/28

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

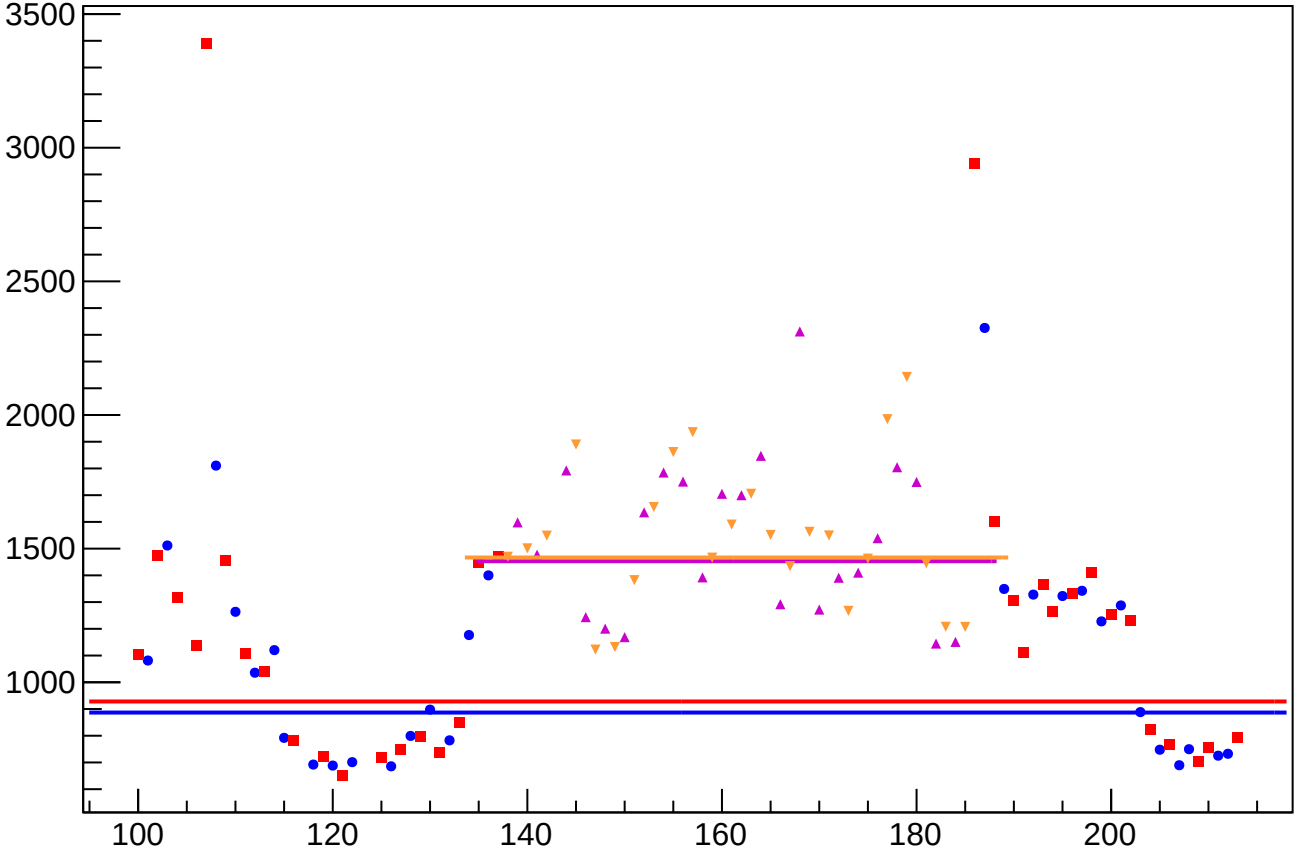
Right: 127.075+/-158.187 χ^2/NDF: 169.4/61

In: -483.195+/-186.958 χ^2/NDF:52.0/51

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

All: -25.942+/-132.913 χ^2/NDF: 233.2/108

asym_usl_reg_correction_rms vs Slug, Sign Corrected



Right In: 886.712+/-0.157 χ^2/NDF: 2690767.7/28

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

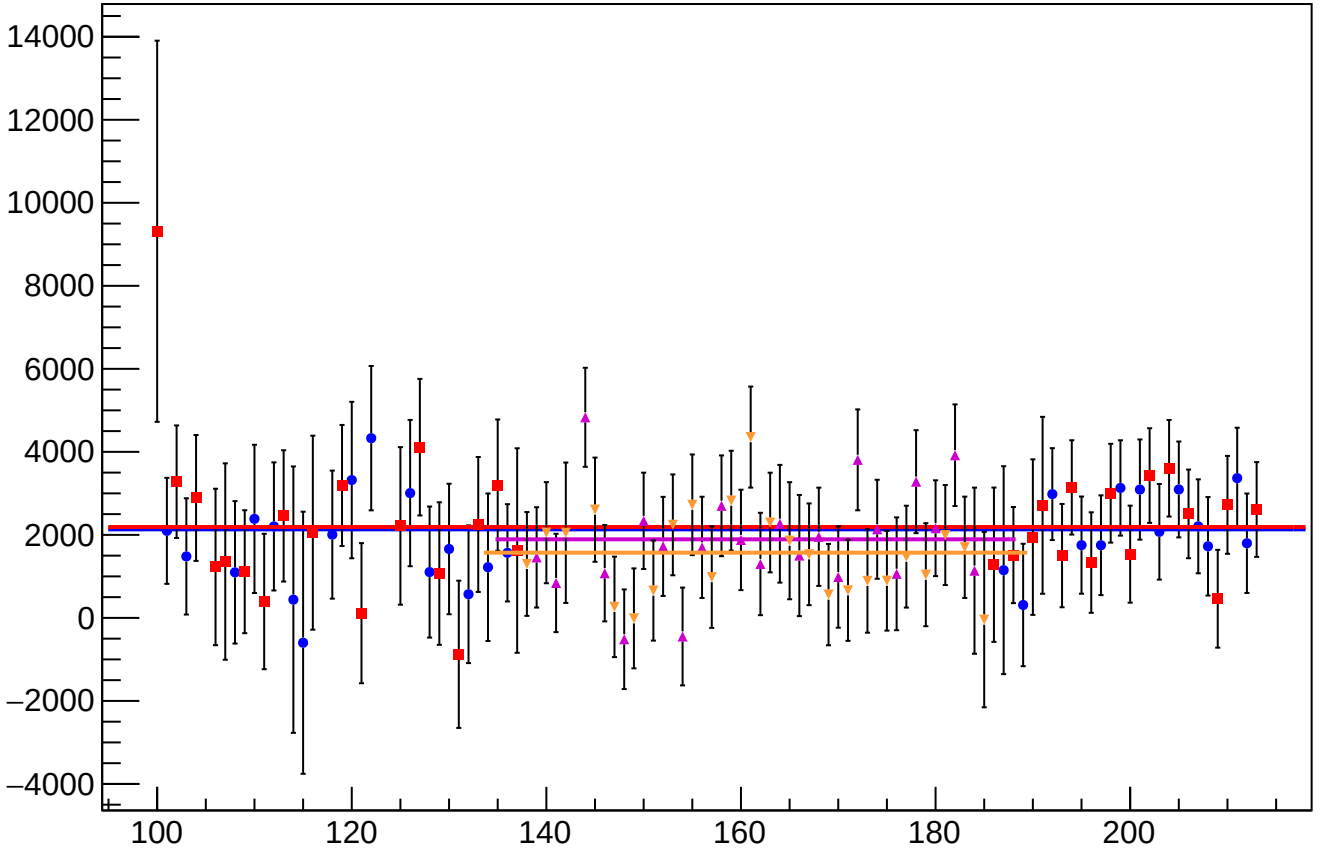
Right: 907.138+/-0.112 χ^2/NDF: 6133466.2/61

In: 1052.082+/-0.132 χ^2/NDF:7613780.6/51

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

All: 1069.657+/-0.094 χ^2/NDF: 15487865.0/1

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2132.993+/-261.397 χ^2/NDF: 11.6/28

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

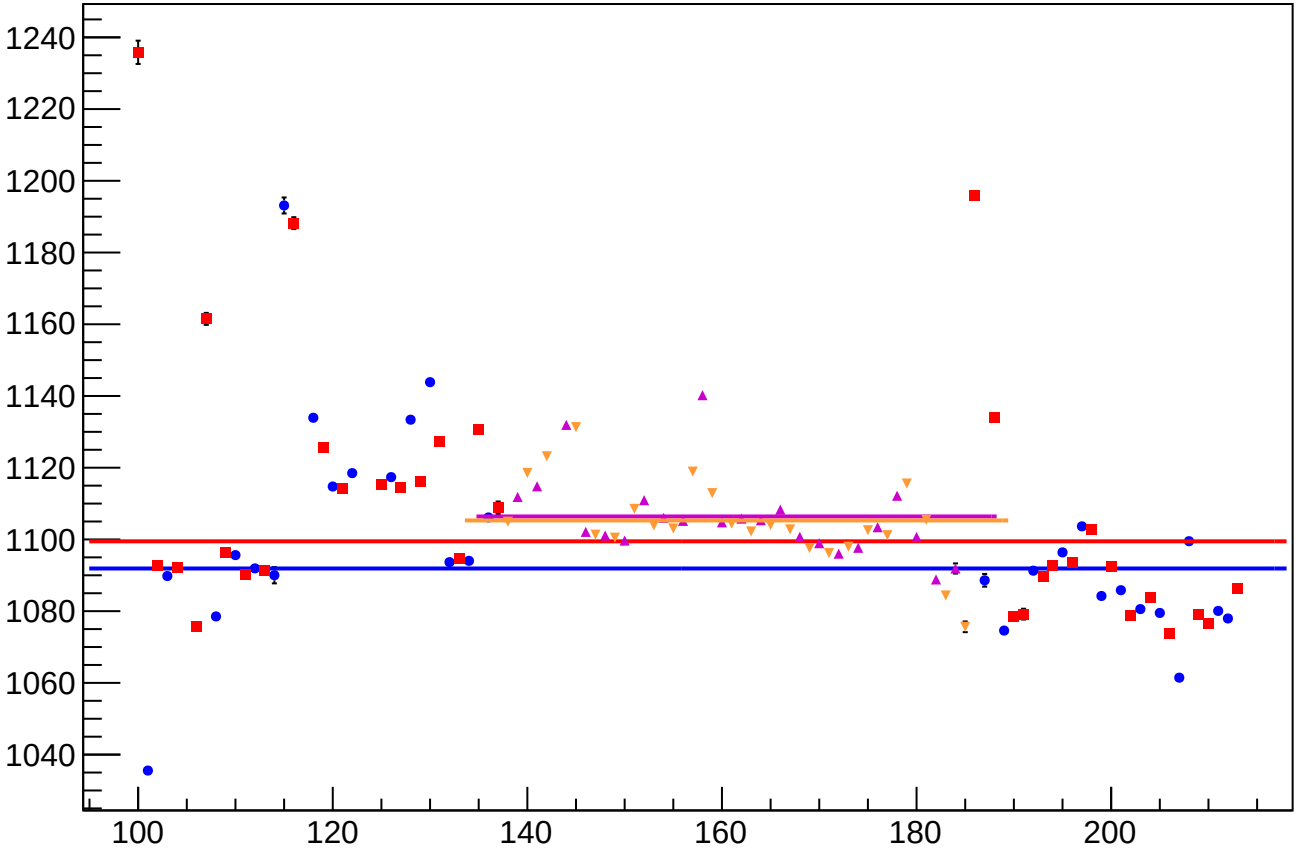
Right: 2162.092+/-181.733 χ^2/NDF: 32.4/61

In: 2011.760+/-183.745 χ^2/NDF:36.1/51

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

All: 1946.937+/-128.610 χ^2/NDF: 75.5/108

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1091.898+/-0.185 χ^2/NDF: 15668.7/28

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

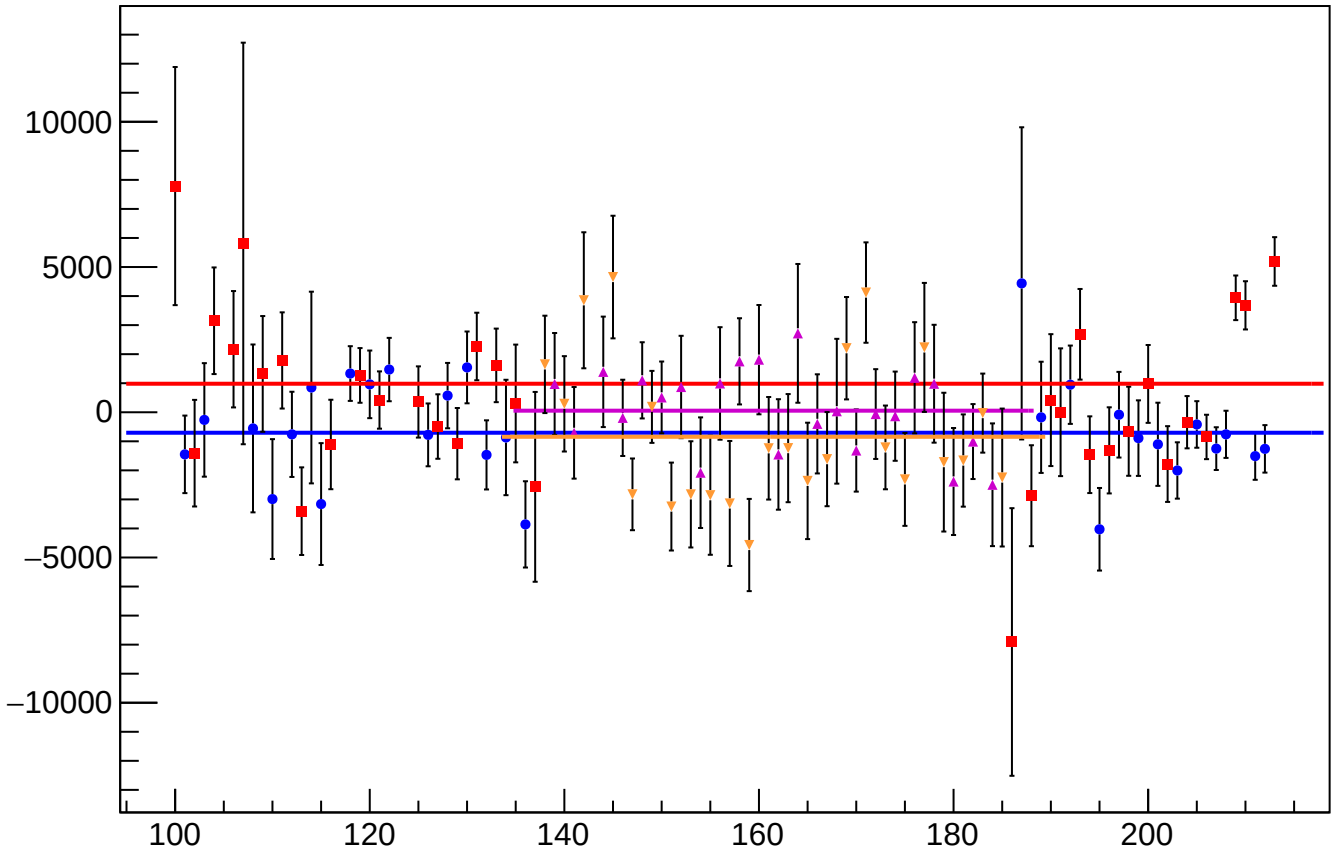
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1095.811+/-0.129 χ^2/NDF: 37439.8/61

In: 1099.237+/-0.130 χ^2/NDF:22561.3/51

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

All: 1100.820+/-0.091 χ^2/NDF: 47440.2/108



Right In: -704.929+/-222.197 χ^2/NDF: 35.6/28

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

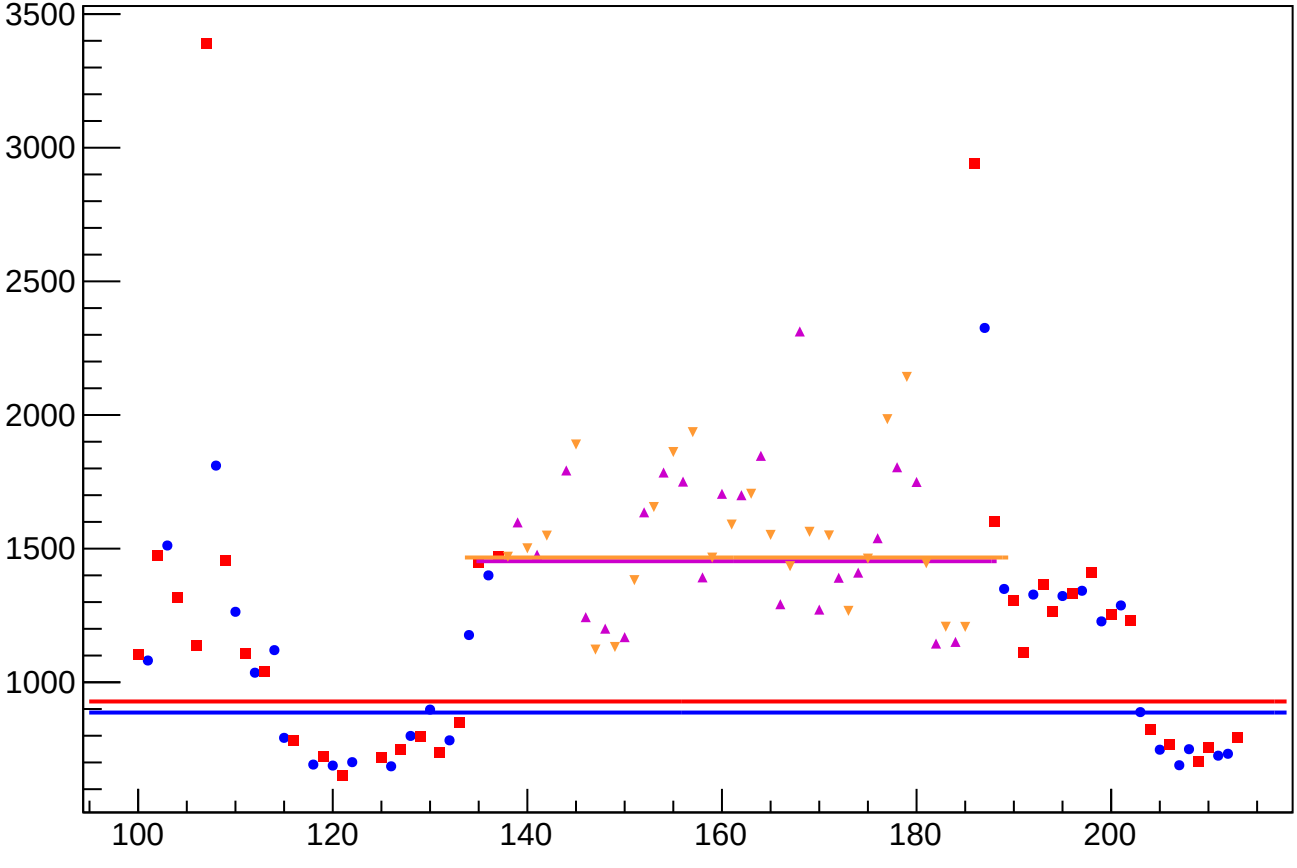
Right: 127.075+/-158.187 χ^2/NDF: 169.4/61

In: -483.195+/-186.958 χ^2/NDF:52.0/51

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

All: -25.942+/-132.913 χ^2/NDF: 233.2/108

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 886.712+/-0.157 χ^2/NDF: 2690767.7/28

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

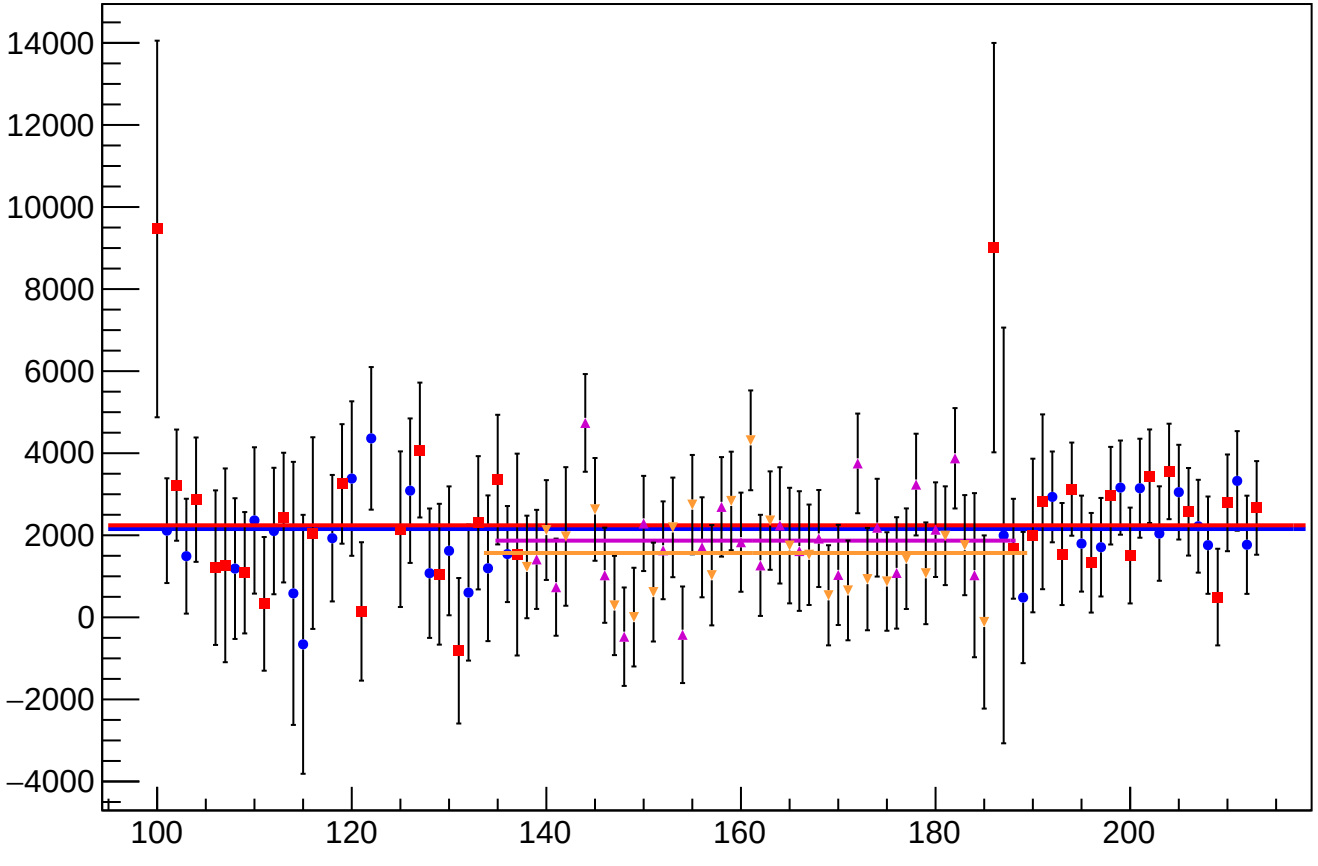
Right: 907.138+/-0.112 χ^2/NDF: 6133464.4/61

In: 1052.082+/-0.132 χ^2/NDF:7613780.6/51

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

All: 1069.657+/-0.094 χ^2/NDF: 15487864.6/1

overload_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2152.551+/-262.927 χ^2/NDF: 11.0/28

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

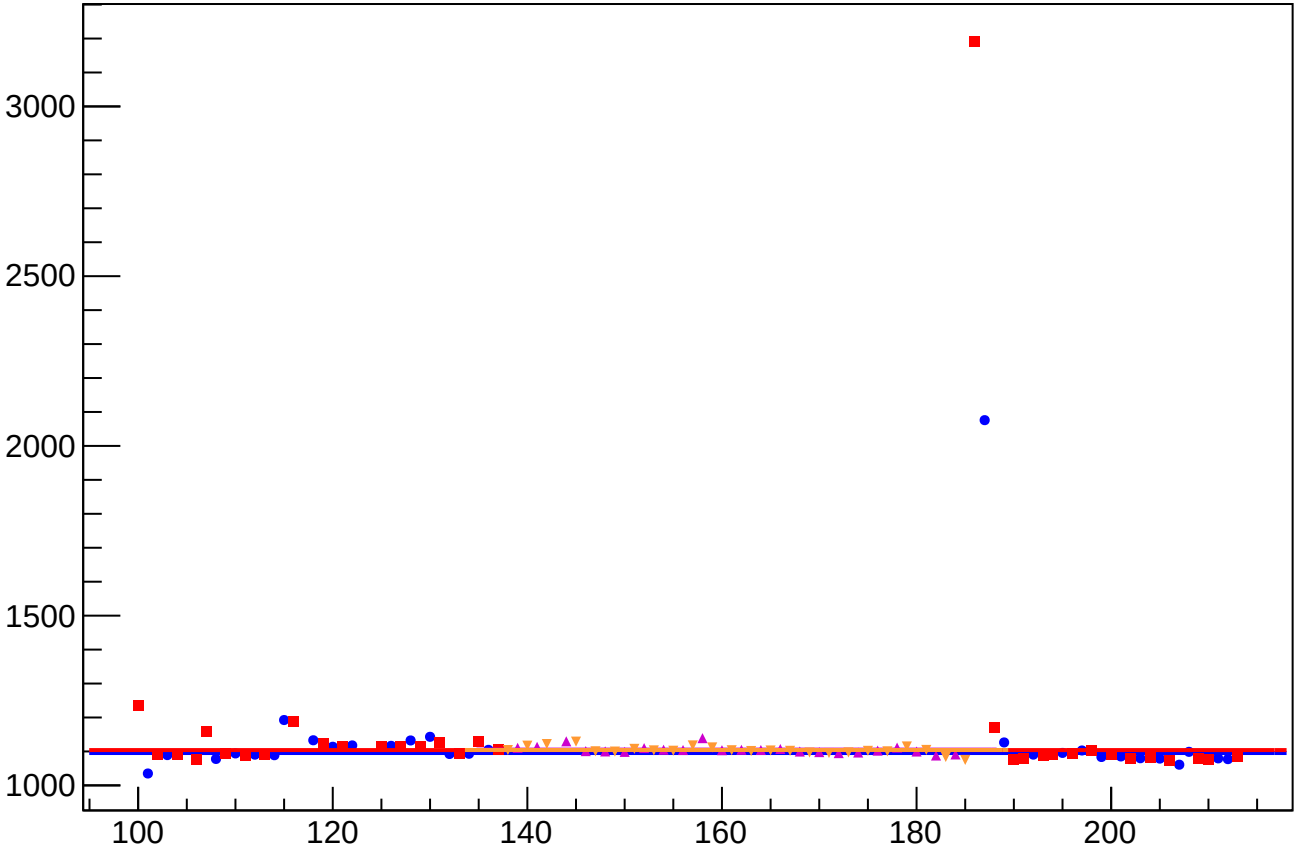
Right: 2199.194+/-183.173 χ^2/NDF: 33.4/61

In: 2008.323+/-184.187 χ^2/NDF:35.0/51

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

All: 1956.873+/-129.057 χ^2/NDF: 76.4/108

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1095.336+/-0.186 χ^2/NDF: 91295.1/28

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

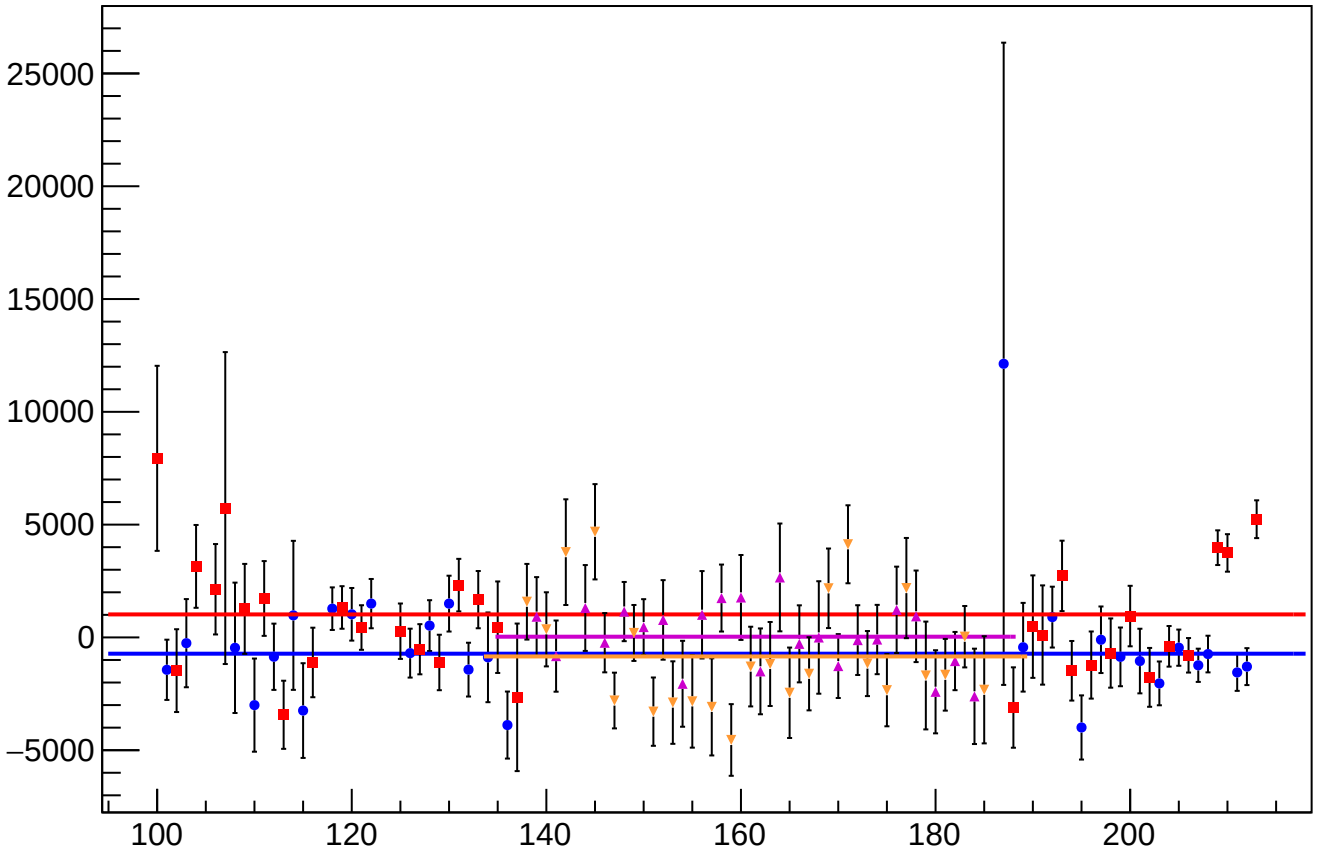
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1099.799+/-0.130 χ^2/NDF: 463867.2/61

In: 1100.451+/-0.130 χ^2/NDF:96442.8/51

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

All: 1102.325+/-0.091 χ^2/NDF: 471301.9/108



Right In: -721.684+/-222.705 χ^2/NDF: 35.2/28

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

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

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

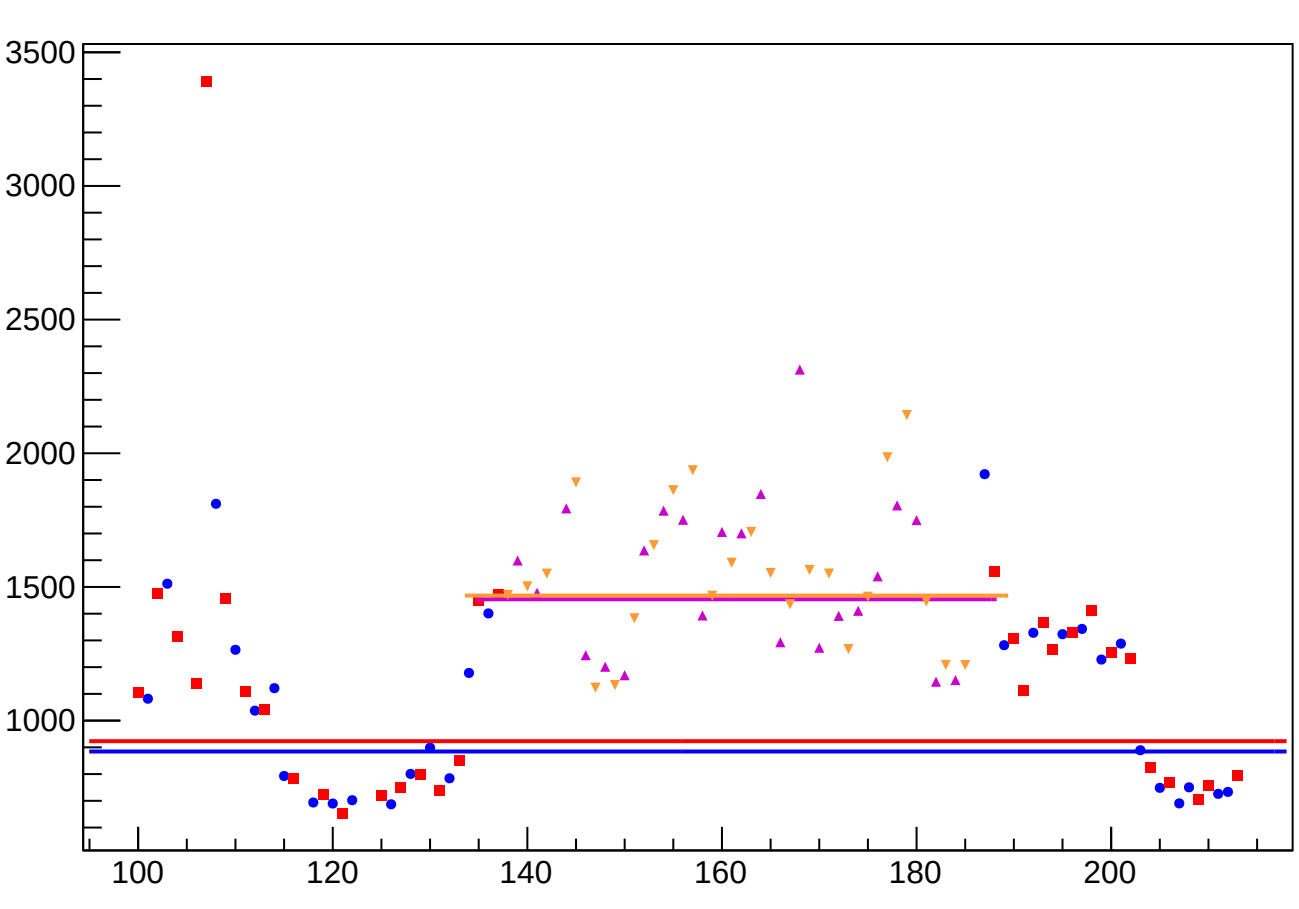
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: 136.702+/-158.590 χ^2/NDF: 169.0/60

In: -501.225+/-187.291 χ^2/NDF:51.6/51

Out: 466.485+/-189.398 χ^2/NDF:167.9/55

All: -22.781+/-133.173 χ^2/NDF: 232.7/107



Right In: 884.476+/-0.157 χ^2/NDF: 2514521.9/28

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

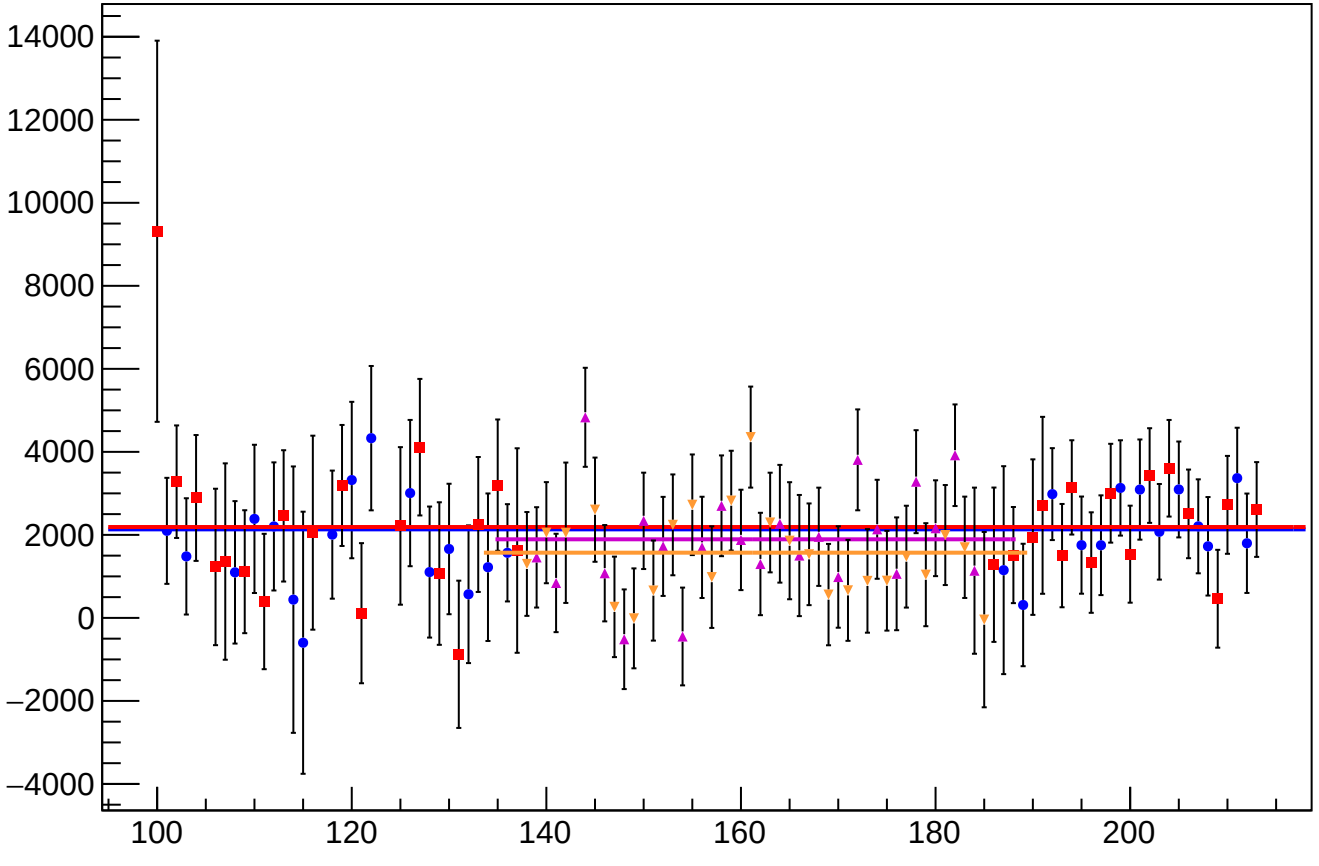
Right: 903.501+/-0.112 χ^2/NDF: 5507566.4/60

In: 1051.154+/-0.132 χ^2/NDF:7469296.4/51

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

All: 1067.800+/-0.094 χ^2/NDF: 14959422.4/1

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2132.993+/-261.397 χ^2/NDF: 11.6/28

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

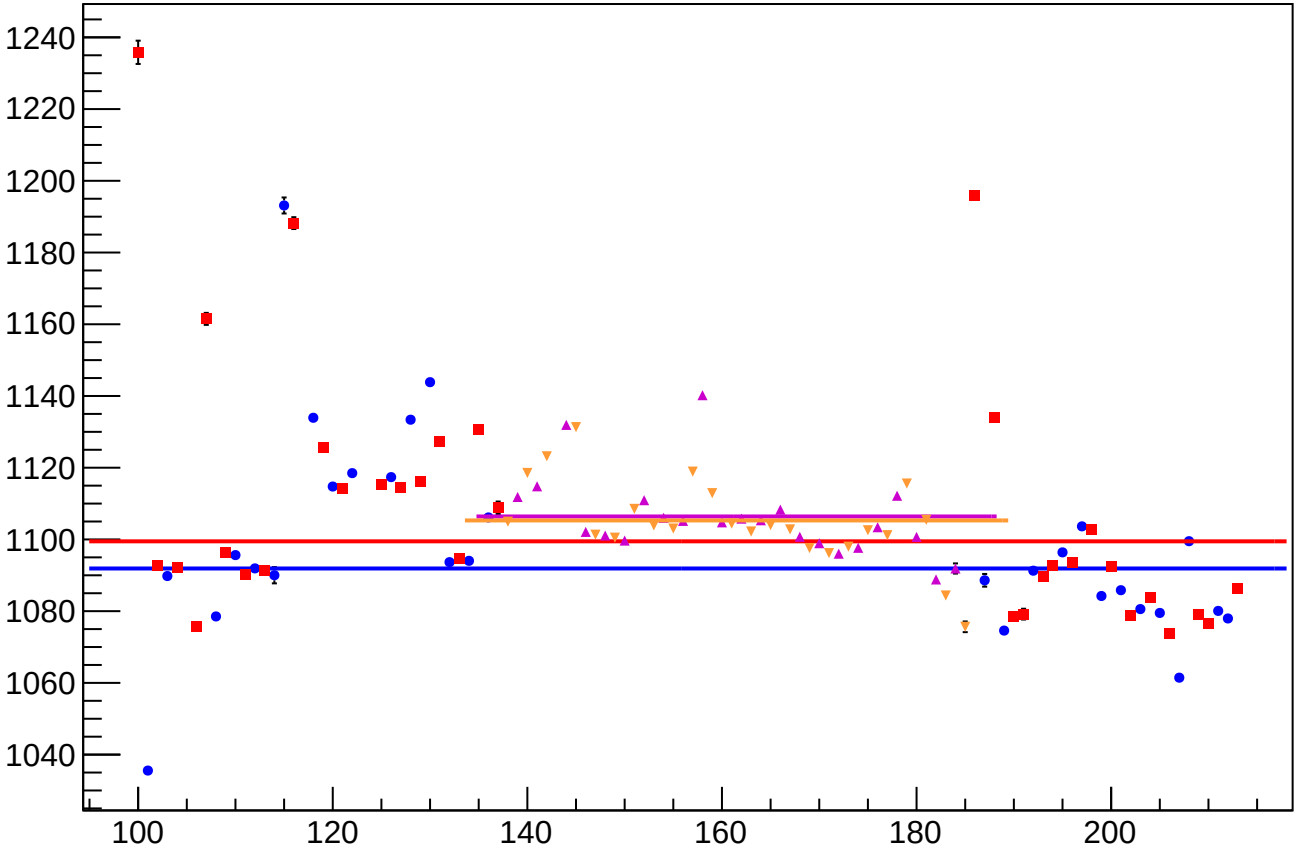
Right: 2162.092+/-181.733 χ^2/NDF: 32.4/61

In: 2011.760+/-183.745 χ^2/NDF:36.1/51

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

All: 1946.937+/-128.610 χ^2/NDF: 75.5/108

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1091.898+/-0.185 χ^2/NDF: 15668.7/28

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

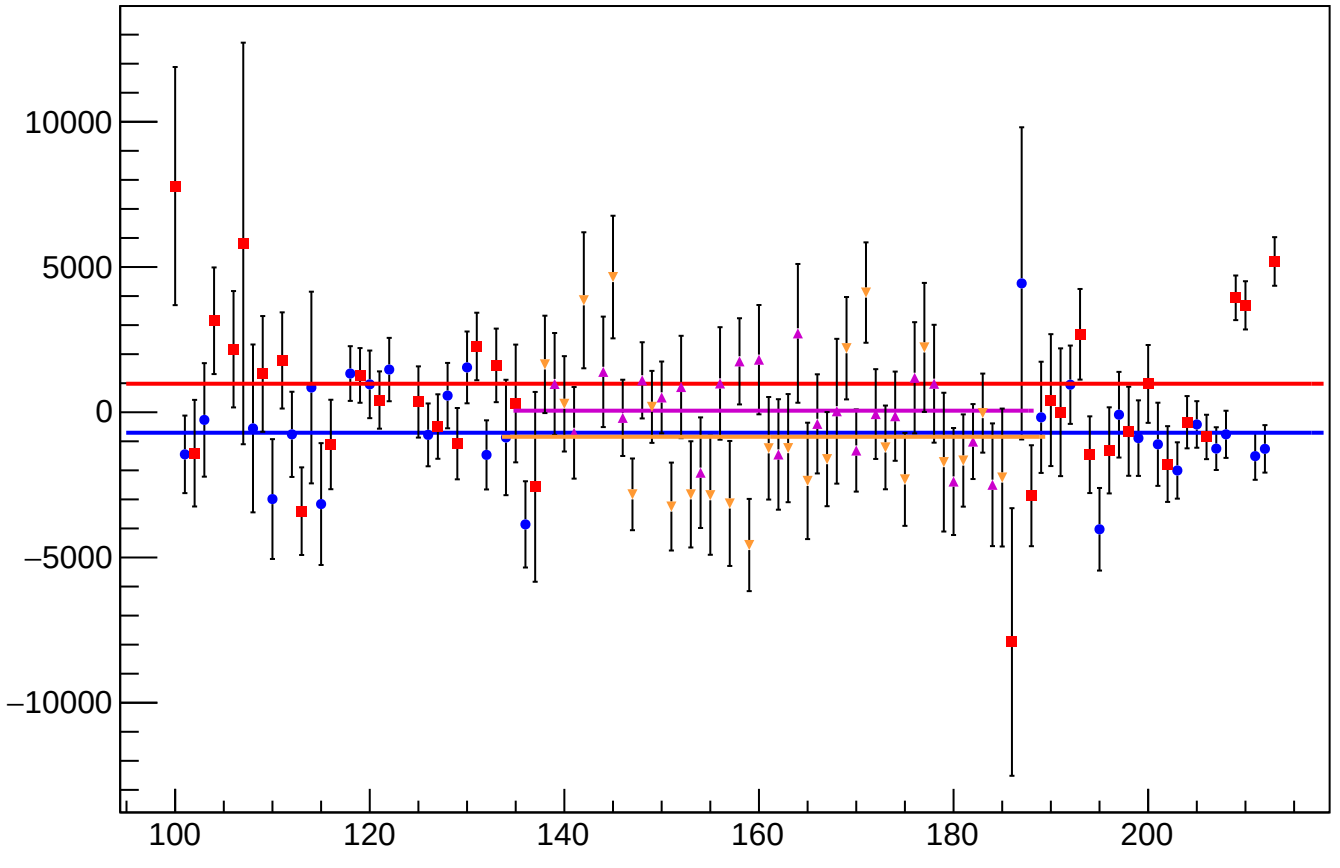
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1095.811+/-0.129 χ^2/NDF: 37439.8/61

In: 1099.237+/-0.130 χ^2/NDF:22561.3/51

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

All: 1100.820+/-0.091 χ^2/NDF: 47440.2/108



Right In: -704.929+/-222.197 χ^2/NDF: 35.6/28

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

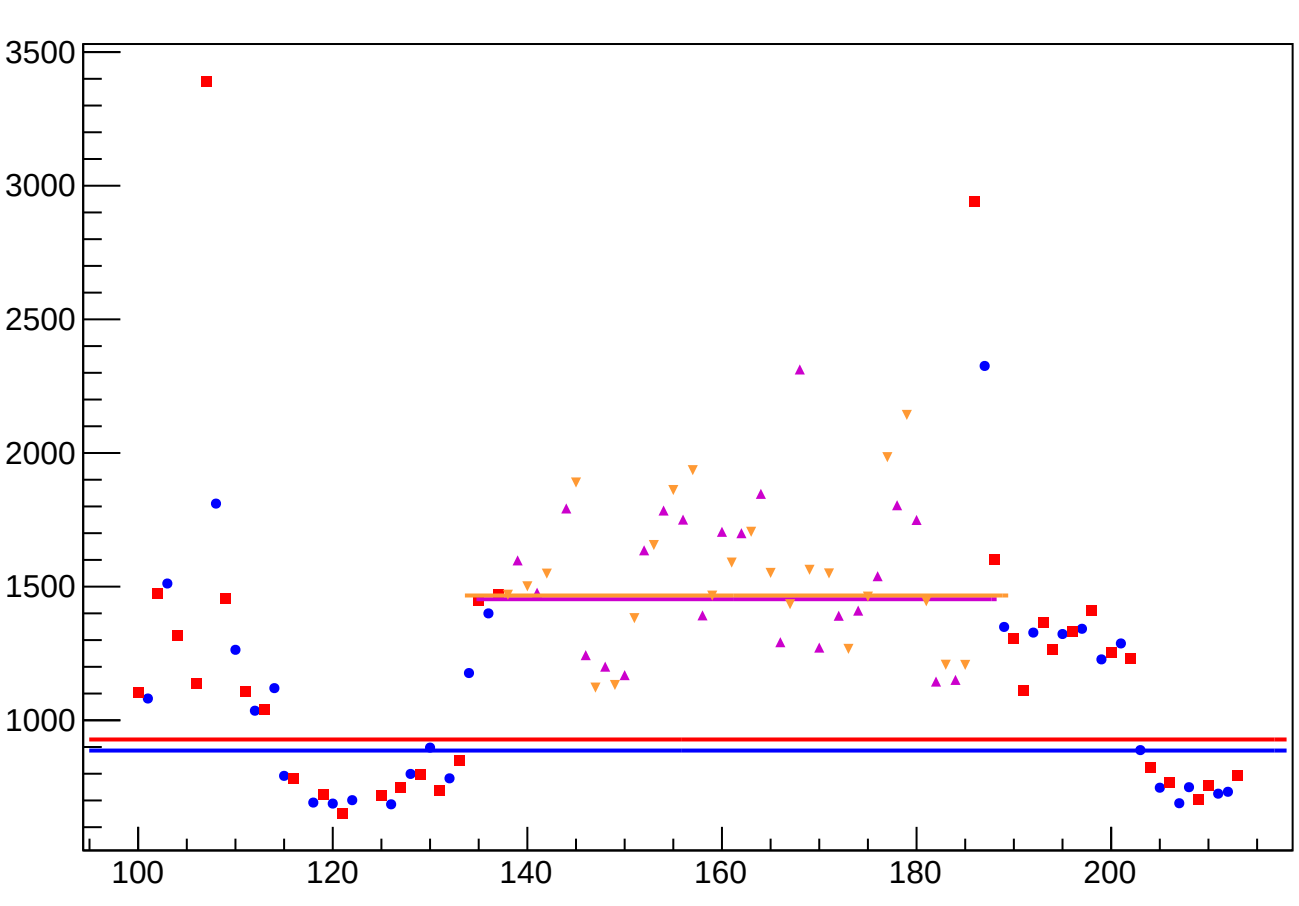
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 127.075+/-158.187 χ^2/NDF: 169.4/61

In: -483.195+/-186.958 χ^2/NDF:52.0/51

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

All: -25.942+/-132.913 χ^2/NDF: 233.2/108



Right In: 886.712+/-0.157 χ^2/NDF: 2690767.7/28

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

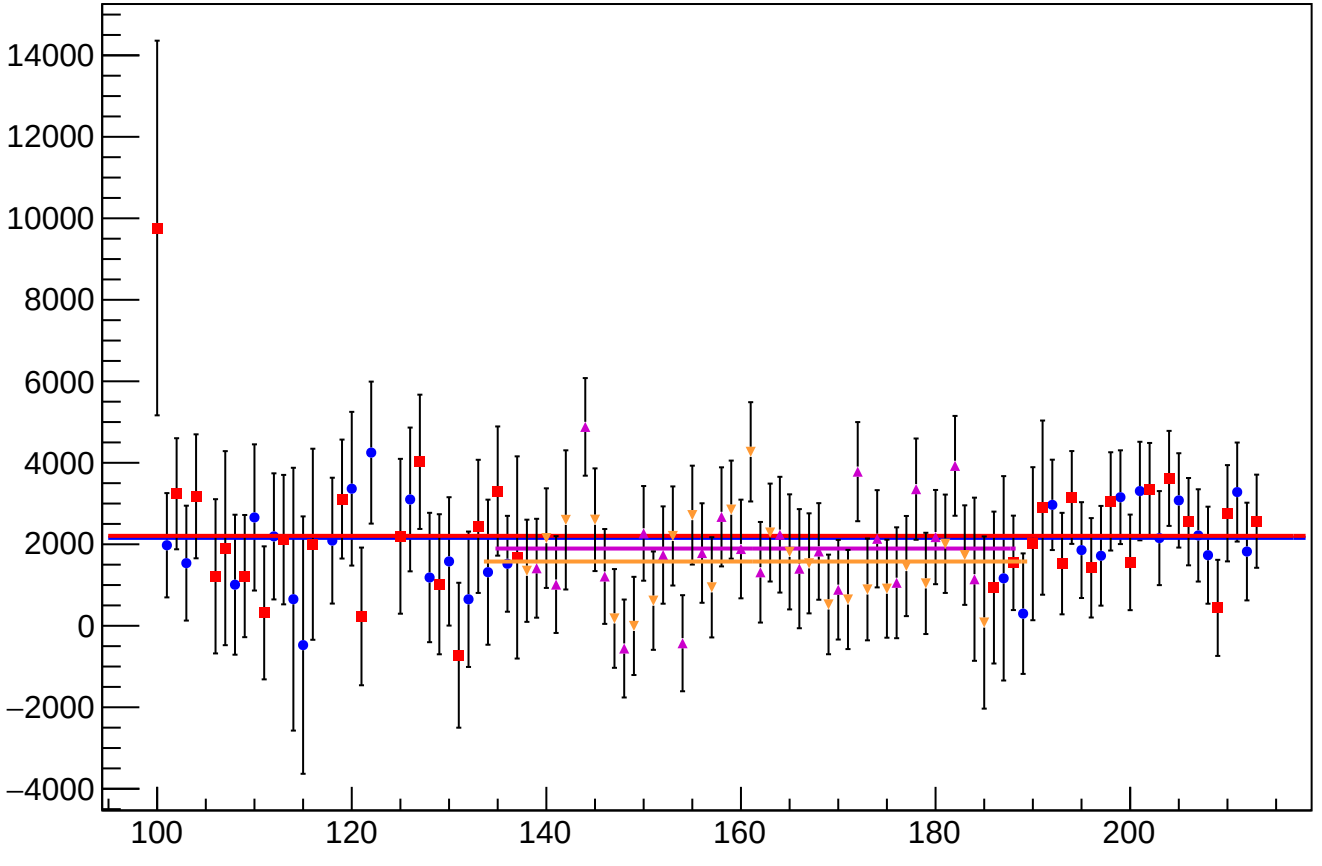
Right: 907.138+/-0.112 χ^2/NDF: 6133464.4/61

In: 1052.082+/-0.132 χ^2/NDF:7613780.6/51

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

All: 1069.657+/-0.094 χ^2/NDF: 15487864.6/1

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2157.598+/-262.221 χ^2/NDF: 11.5/28

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

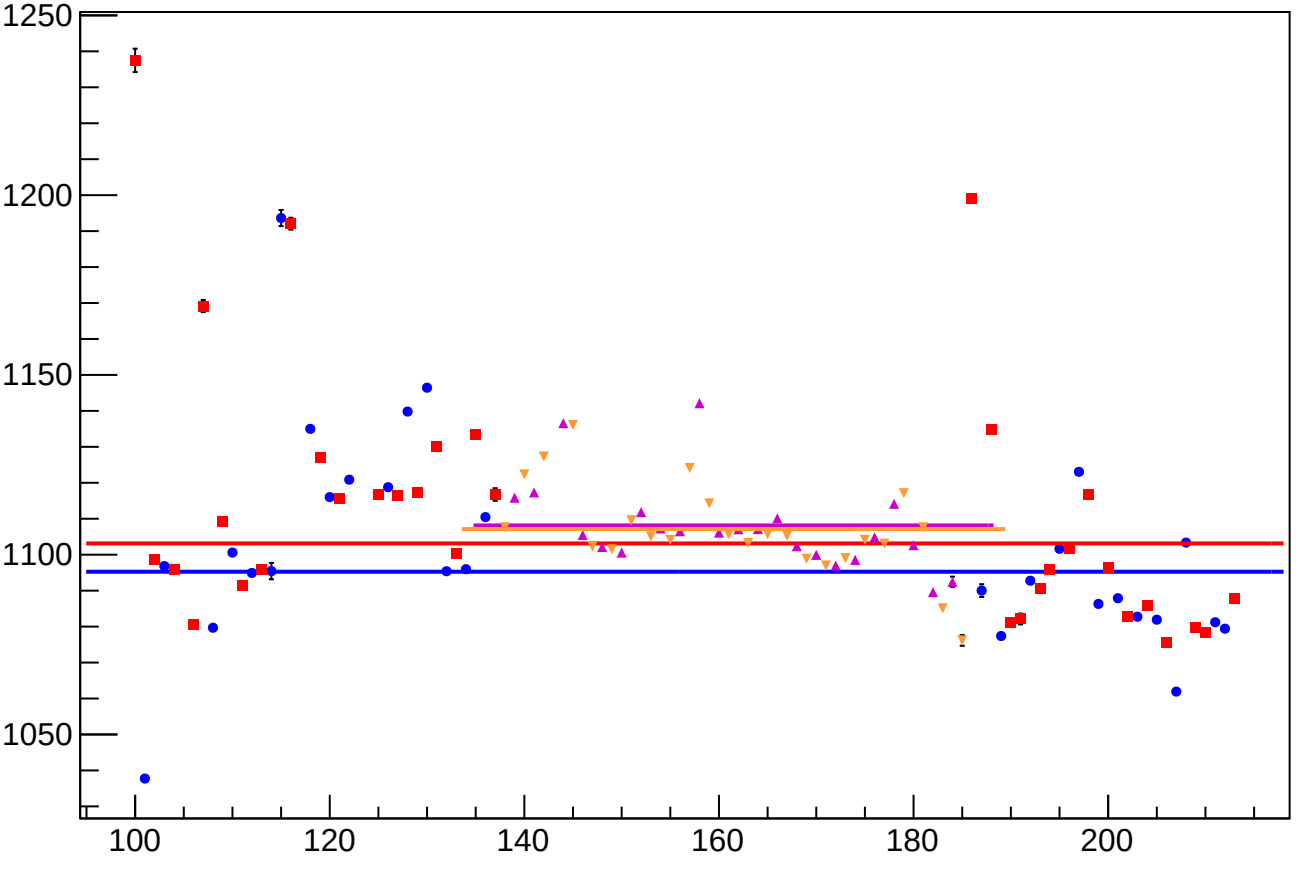
Right: 2183.302+/-182.338 χ^2/NDF: 32.2/61

In: 2024.827+/-184.179 χ^2/NDF:36.1/51

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

All: 1959.356+/-128.934 χ^2/NDF: 75.6/108

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1095.264+/-0.185 χ^2/NDF: 17077.3/28

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

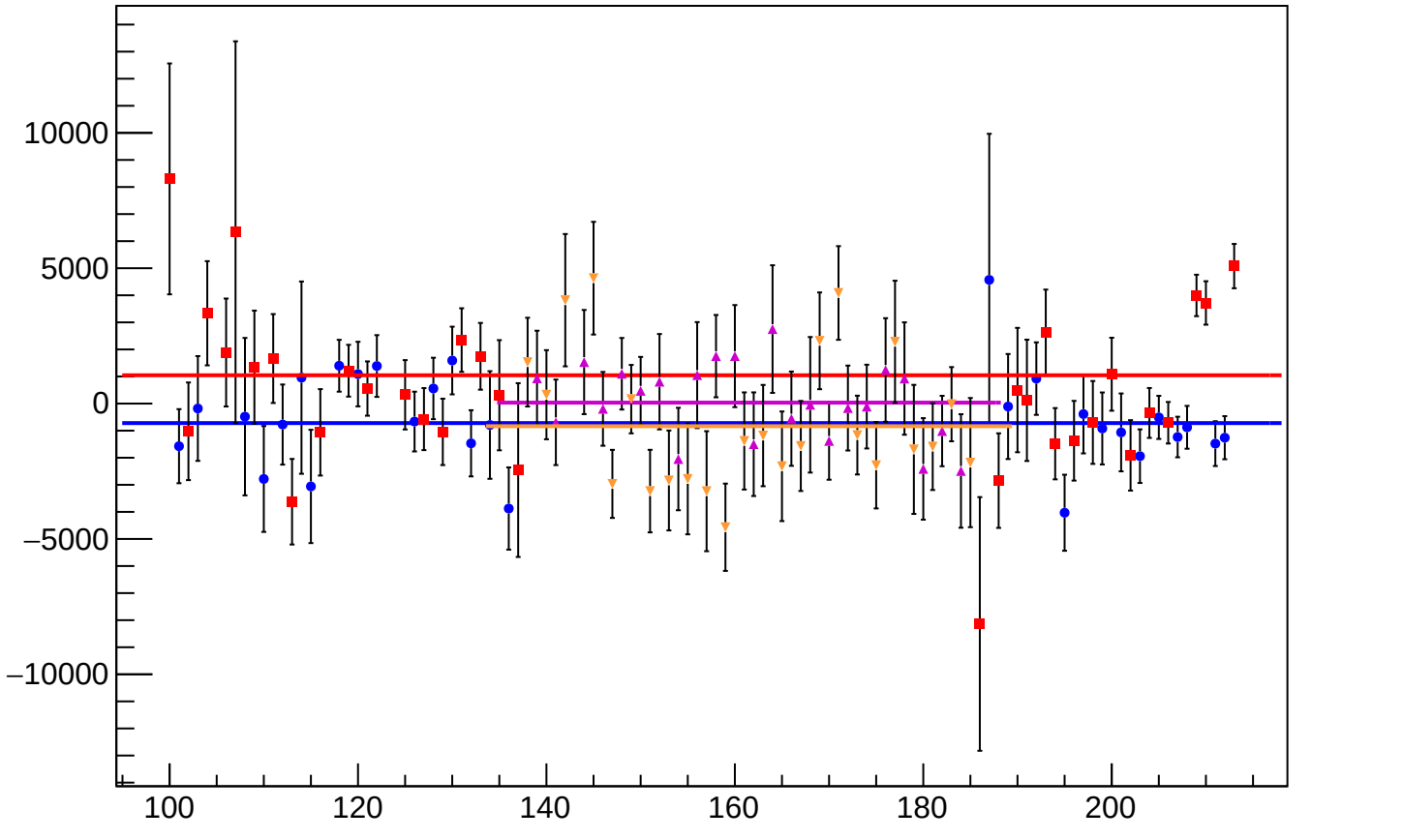
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1099.327+/-0.129 χ^2/NDF: 39222.2/61

In: 1101.790+/-0.130 χ^2/NDF:23713.3/51

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

All: 1103.480+/-0.091 χ^2/NDF: 49286.8/108



Right In: -719.942+/-223.564 χ^2/NDF: 34.7/28

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

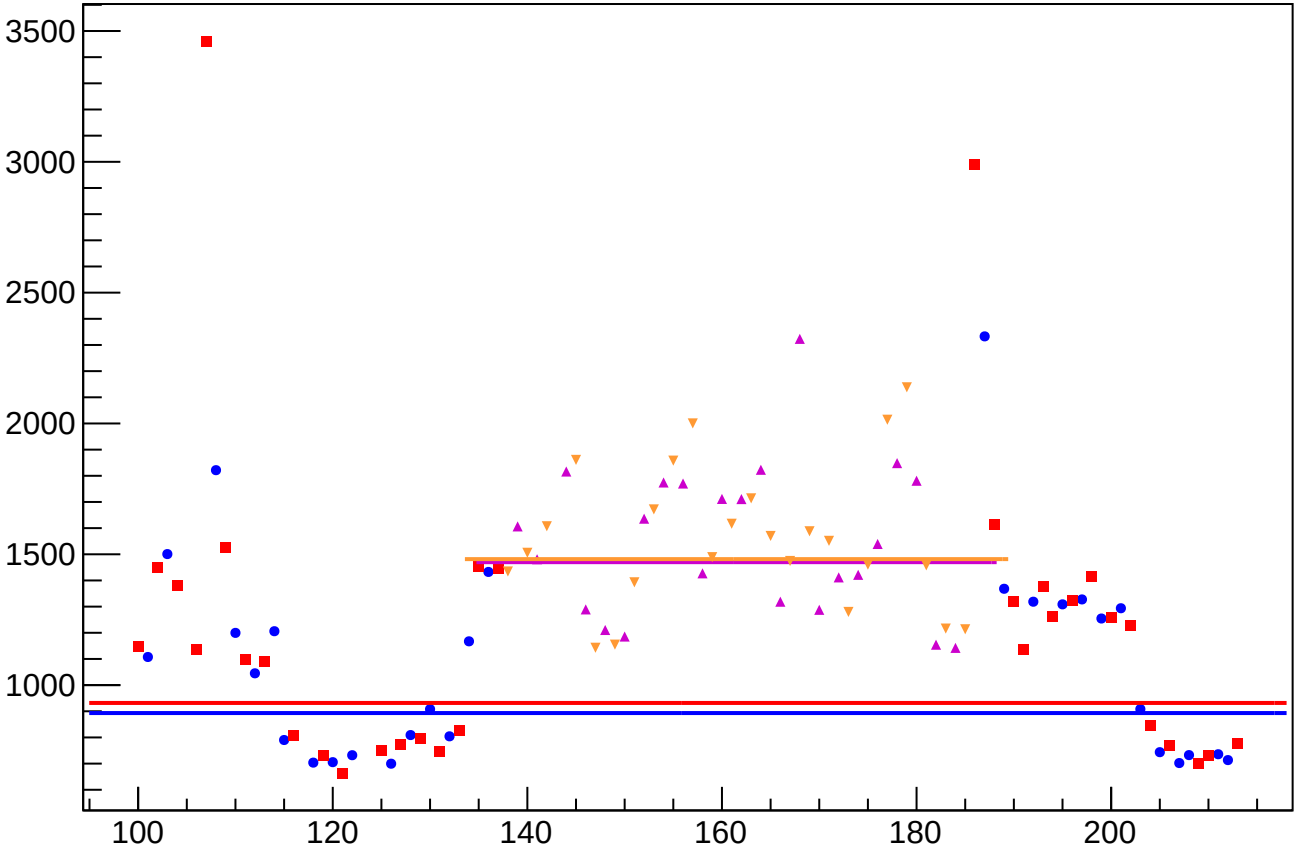
Right: 152.793+/-159.005 χ^2/NDF: 171.5/61

In: -500.704+/-188.351 χ^2/NDF:51.2/51

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

All: -8.248+/-133.788 χ^2/NDF: 234.8/108

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 893.224+/-0.158 χ^2/NDF: 2661161.8/28

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

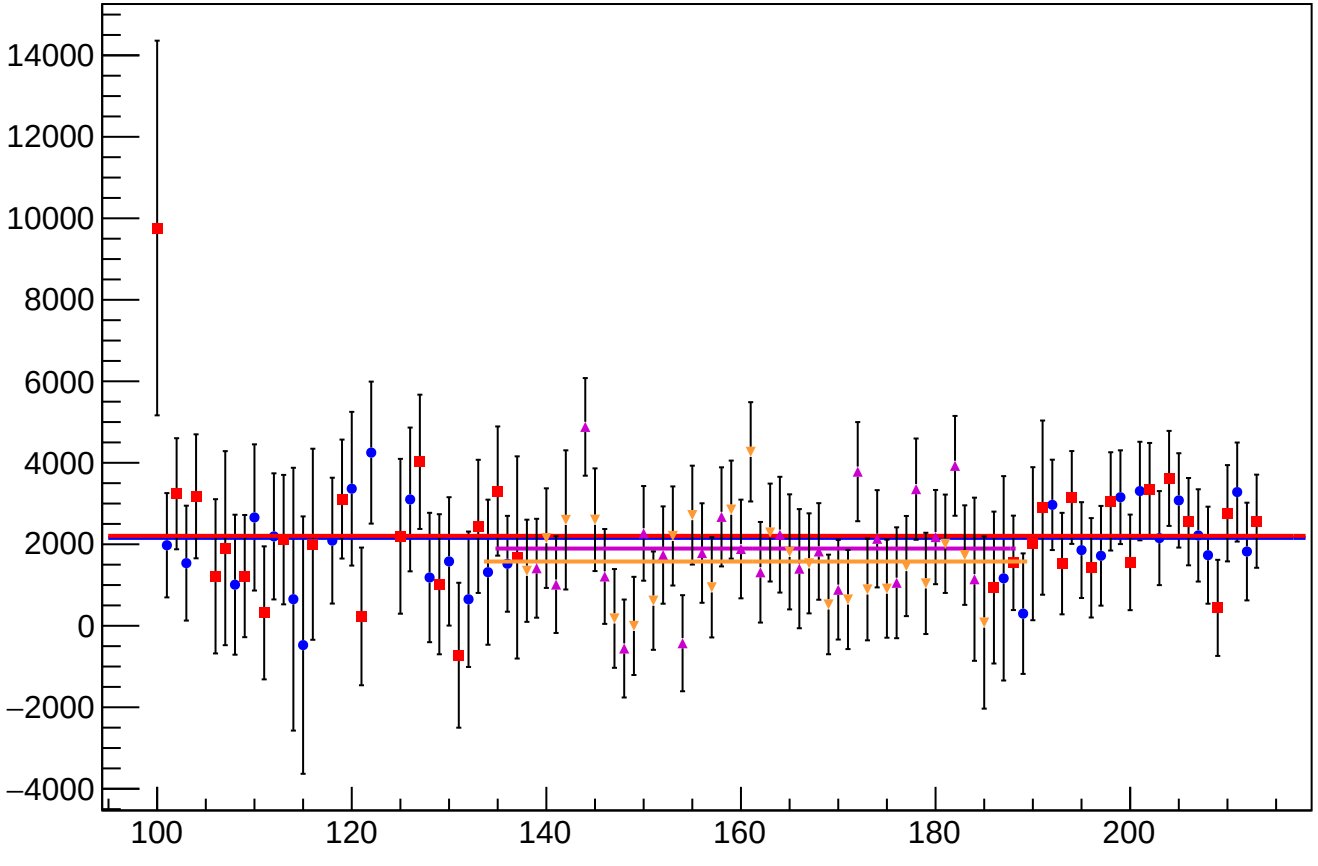
Right: 912.305+/-0.112 χ^2/NDF: 6143094.0/61

In: 1060.580+/-0.133 χ^2/NDF:7618153.7/51

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

All: 1076.834+/-0.095 χ^2/NDF: 15589555.2/1

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2157.598+/-262.221 χ^2/NDF: 11.5/28

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

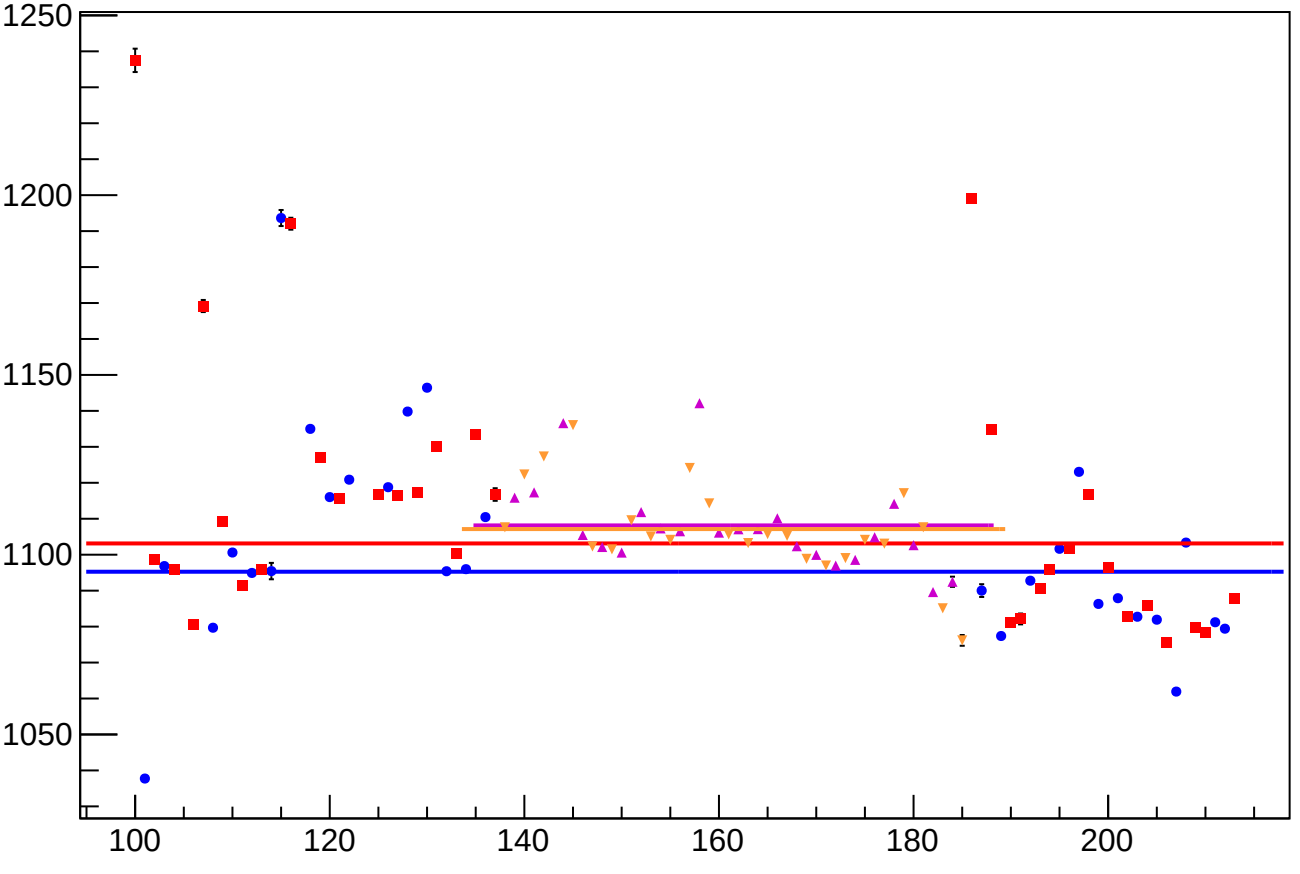
Right: 2183.301+/-182.338 χ^2/NDF: 32.2/61

In: 2024.828+/-184.179 χ^2/NDF:36.1/51

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

All: 1959.356+/-128.934 χ^2/NDF: 75.6/108

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1095.264+/-0.185 χ^2/NDF: 17077.3/28

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

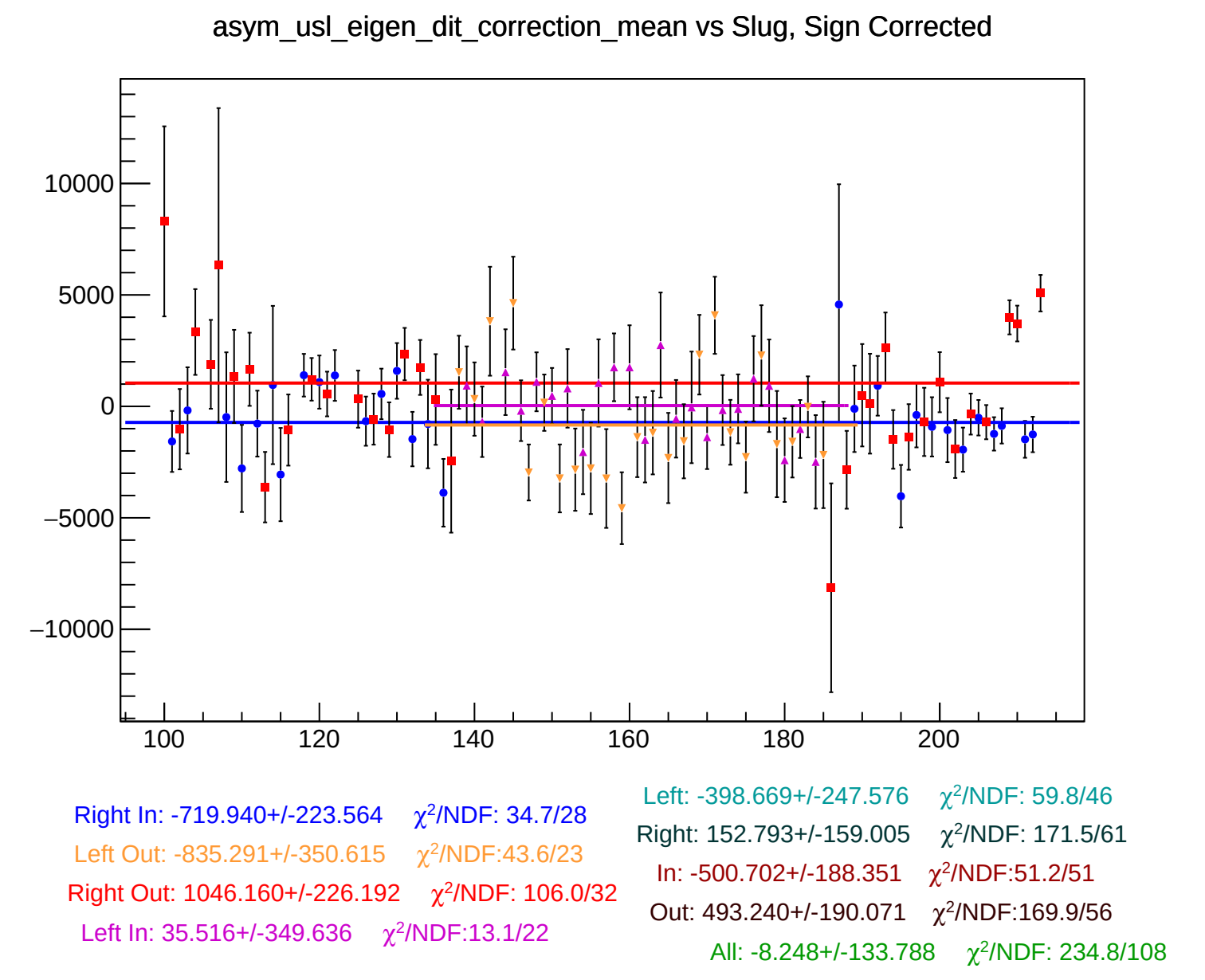
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

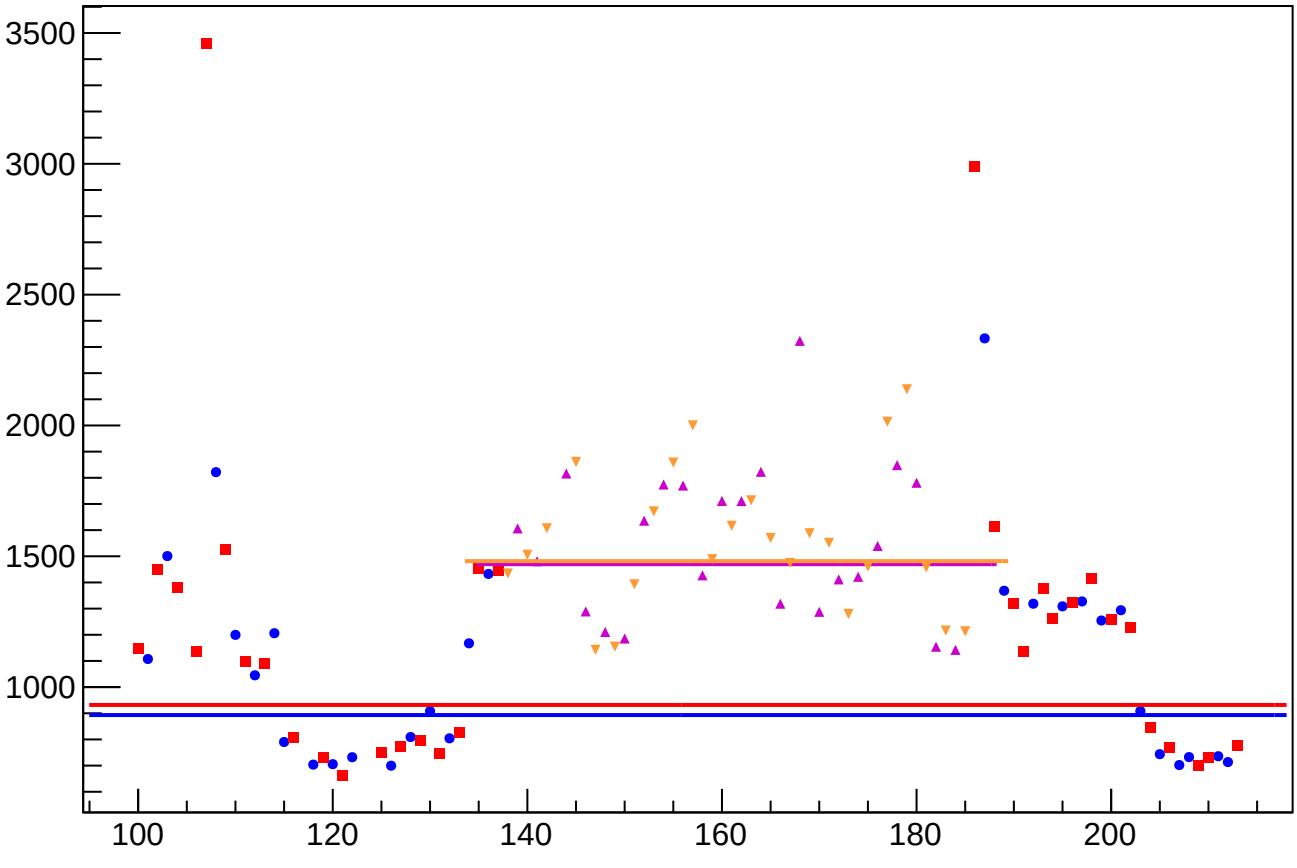
Right: 1099.327+/-0.129 χ^2/NDF: 39222.1/61

In: 1101.790+/-0.130 χ^2/NDF:23713.3/51

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

All: 1103.480+/-0.091 χ^2/NDF: 49286.7/108


asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -719.940+/-223.564 χ²/NDF: 34.7/28
Left Out: -835.291+/-350.615 χ²/NDF:43.6/23
Right Out: 1046.160+/-226.192 χ²/NDF: 106.0/32
Left In: 35.516+/-349.636 χ²/NDF:13.1/22
Left: -398.669+/-247.576 χ²/NDF: 59.8/46
Right: 152.793+/-159.005 χ²/NDF: 171.5/61
In: -500.702+/-188.351 χ²/NDF:51.2/51
Out: 493.240+/-190.071 χ²/NDF:169.9/56
All: -8.248+/-133.788 χ²/NDF: 234.8/108



Right In: 893.223+/-0.158 χ^2/NDF: 2661163.9/28

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

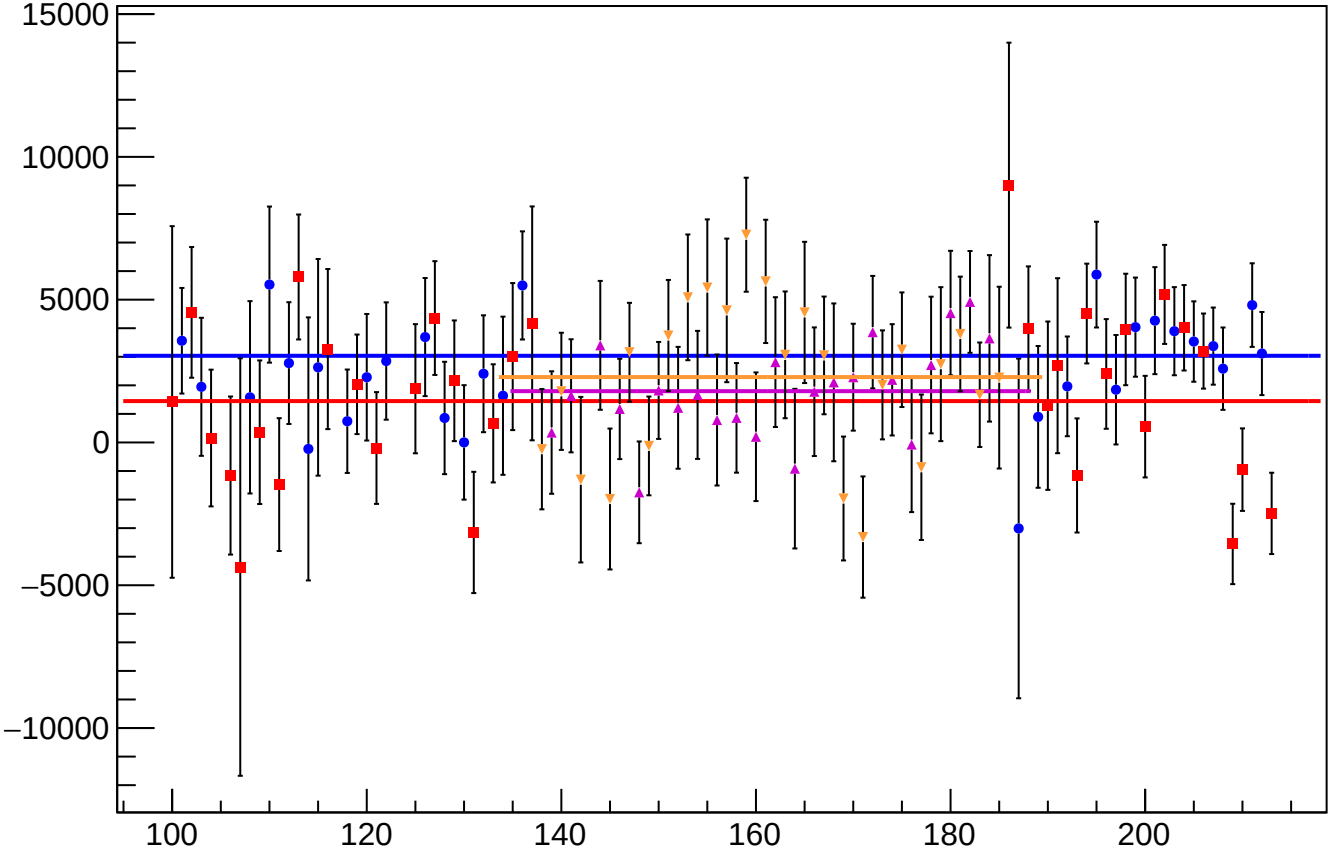
Right: 912.304+/-0.112 χ^2/NDF: 6143098.0/61

In: 1060.580+/-0.133 χ^2/NDF:7618176.0/51

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

All: 1076.833+/-0.095 χ^2/NDF: 15589599.7/1

asym_usl_mean vs Slug, Sign Corrected



Right In: 3034.529+/-359.216 χ^2/NDF: 16.9/28

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

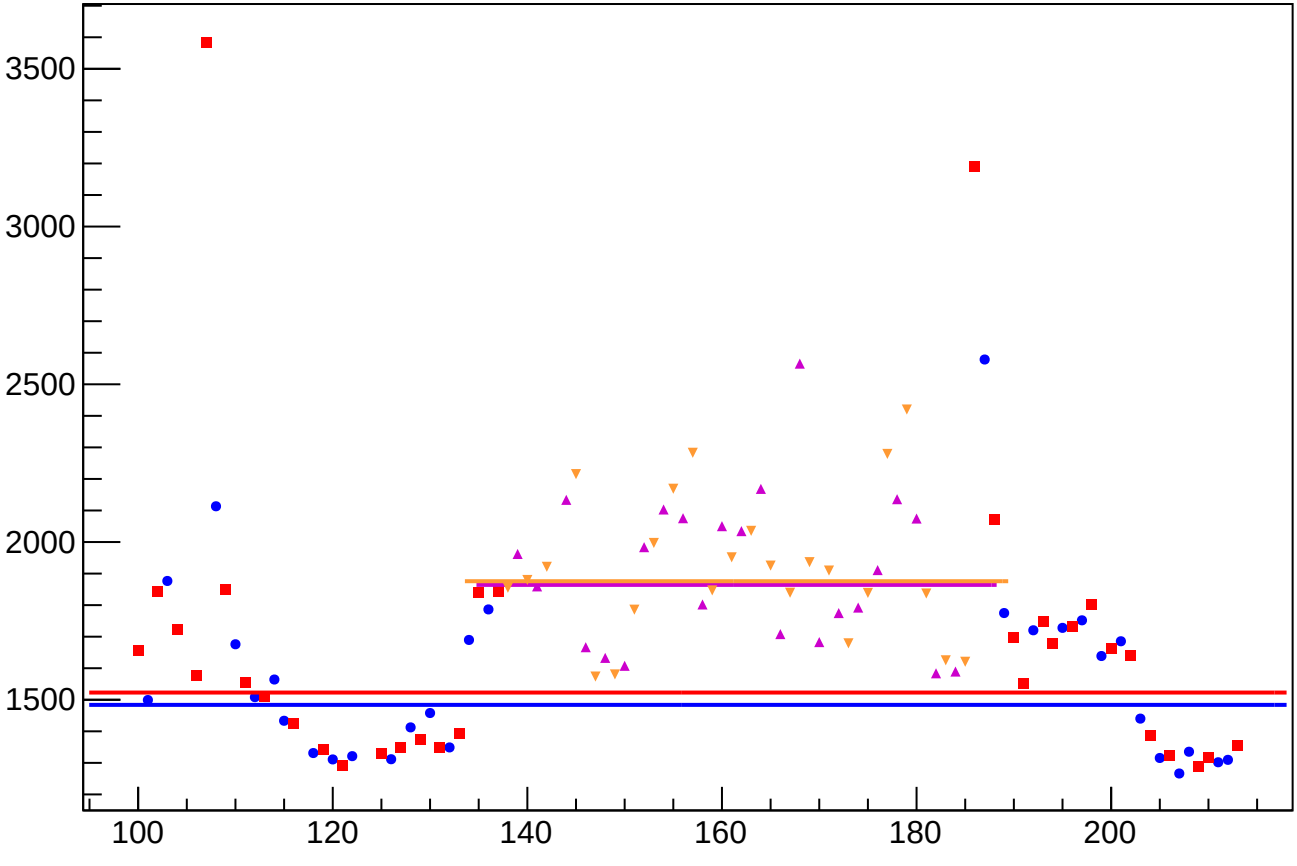
Right: 2234.895+/-252.907 χ^2/NDF: 88.4/61

In: 2538.151+/-278.043 χ^2/NDF:36.0/51

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

All: 2158.347+/-196.113 χ^2/NDF: 139.6/108

asym_usl_rms vs Slug, Sign Corrected



Right In: 1483.830+/-0.254 χ^2/NDF: 668310.4/28

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

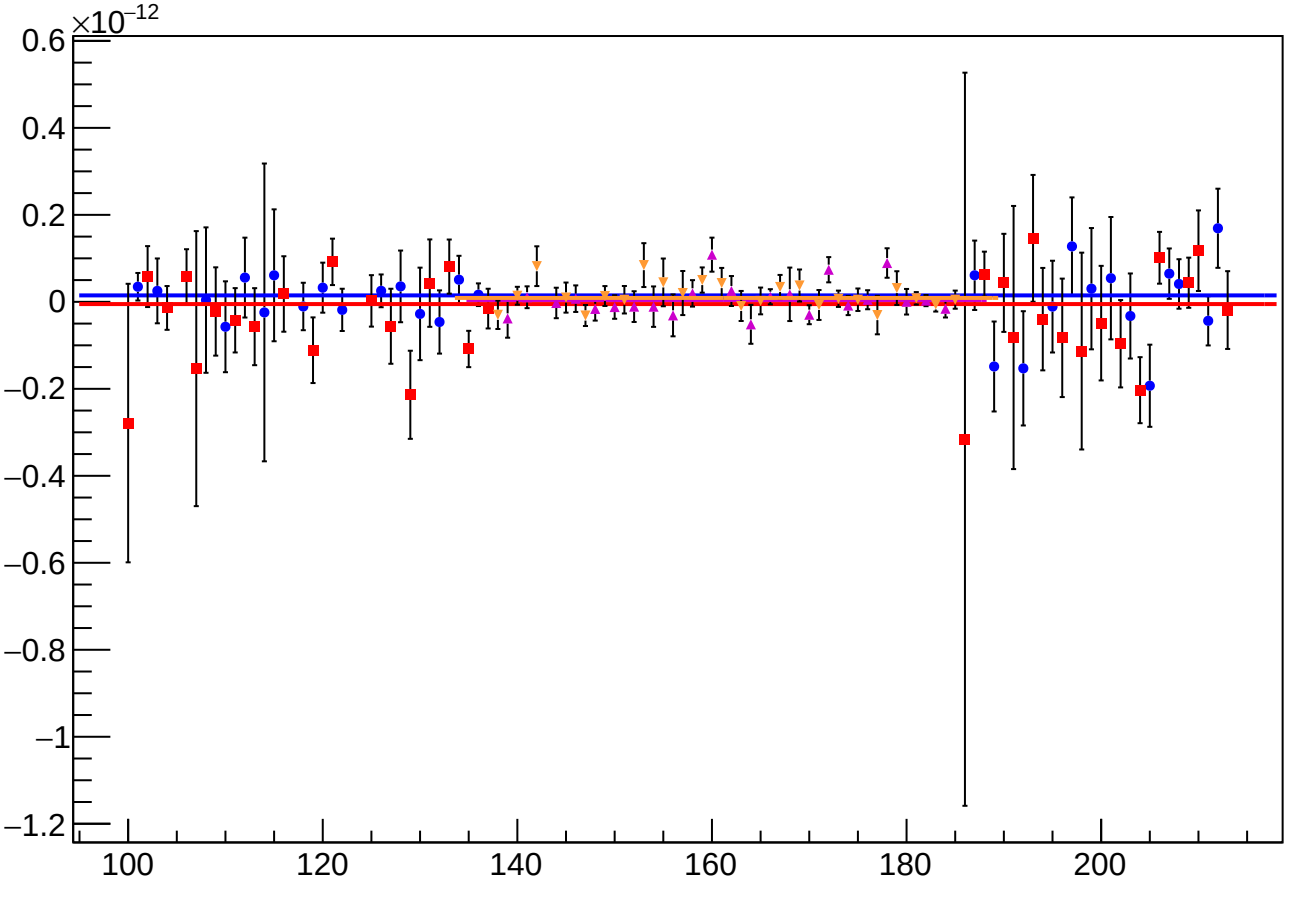
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1503.535+/-0.179 χ^2/NDF: 1754089.7/61

In: 1636.297+/-0.197 χ^2/NDF:2077700.7/51

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

All: 1649.640+/-0.139 χ^2/NDF: 4412093.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/28

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

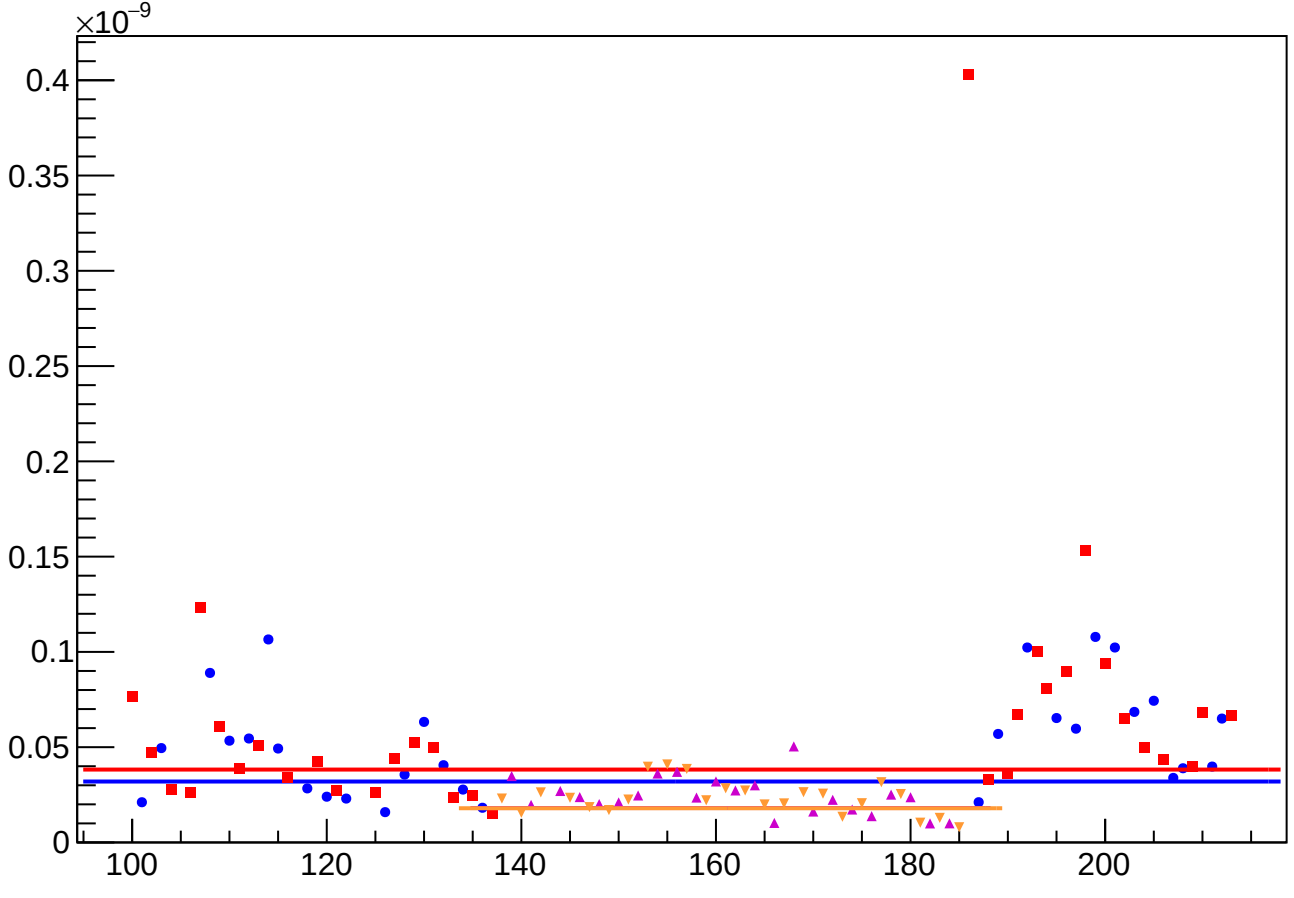
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 59.3/61

In: 0.000+/-0.000 χ^2/NDF:47.8/51

Out: 0.000+/-0.000 χ^2/NDF:56.5/56

All: 0.000+/-0.000 χ^2/NDF: 104.3/108



Right In: 0.000+/-0.000 χ^2/NDF: 5314072.4/28

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

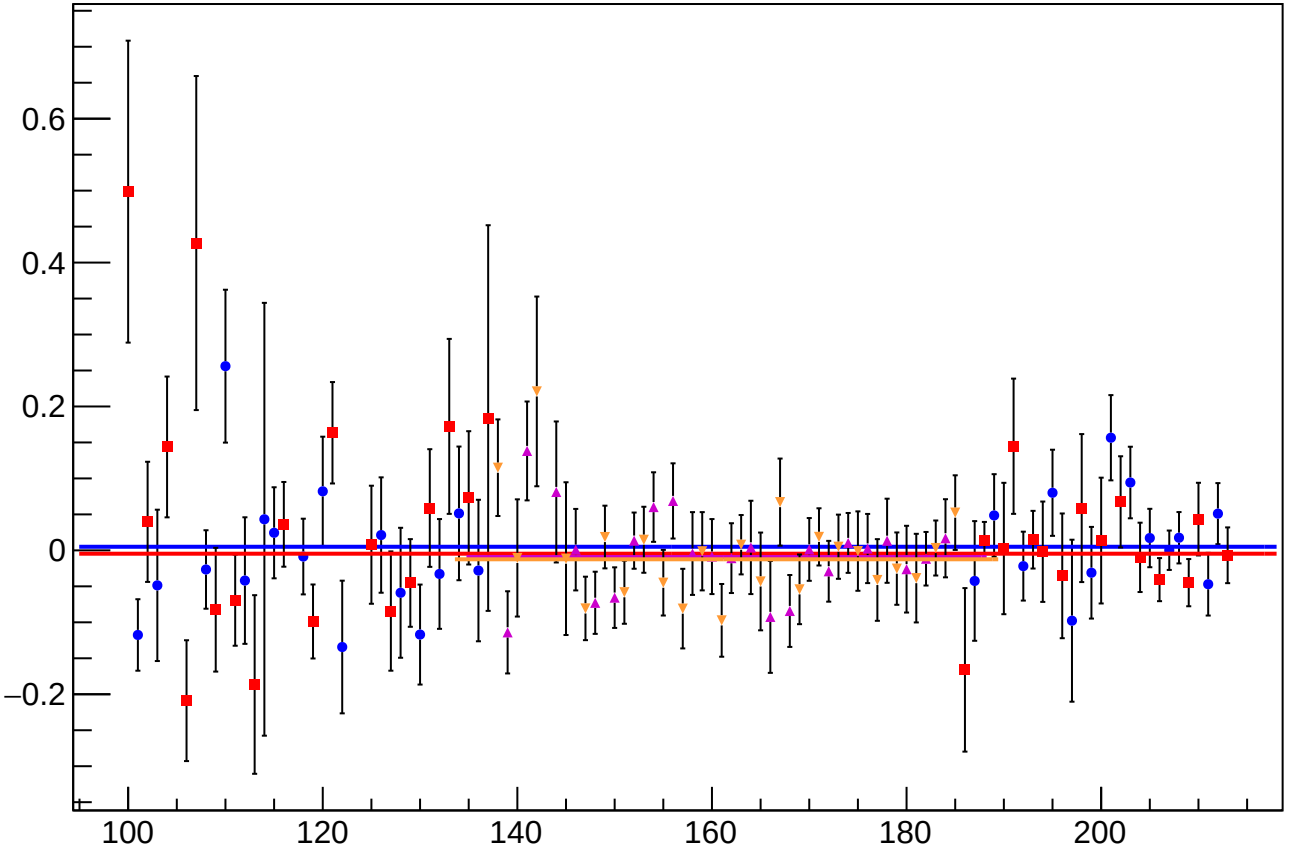
Right: 0.000+/-0.000 χ^2/NDF: 9973675.1/61

In: 0.000+/-0.000 χ^2/NDF:11810388.5/51

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

All: 0.000+/-0.000 χ^2/NDF: 23711136.7/108

asym_usl_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.011 χ^2/NDF: 36.8/28

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

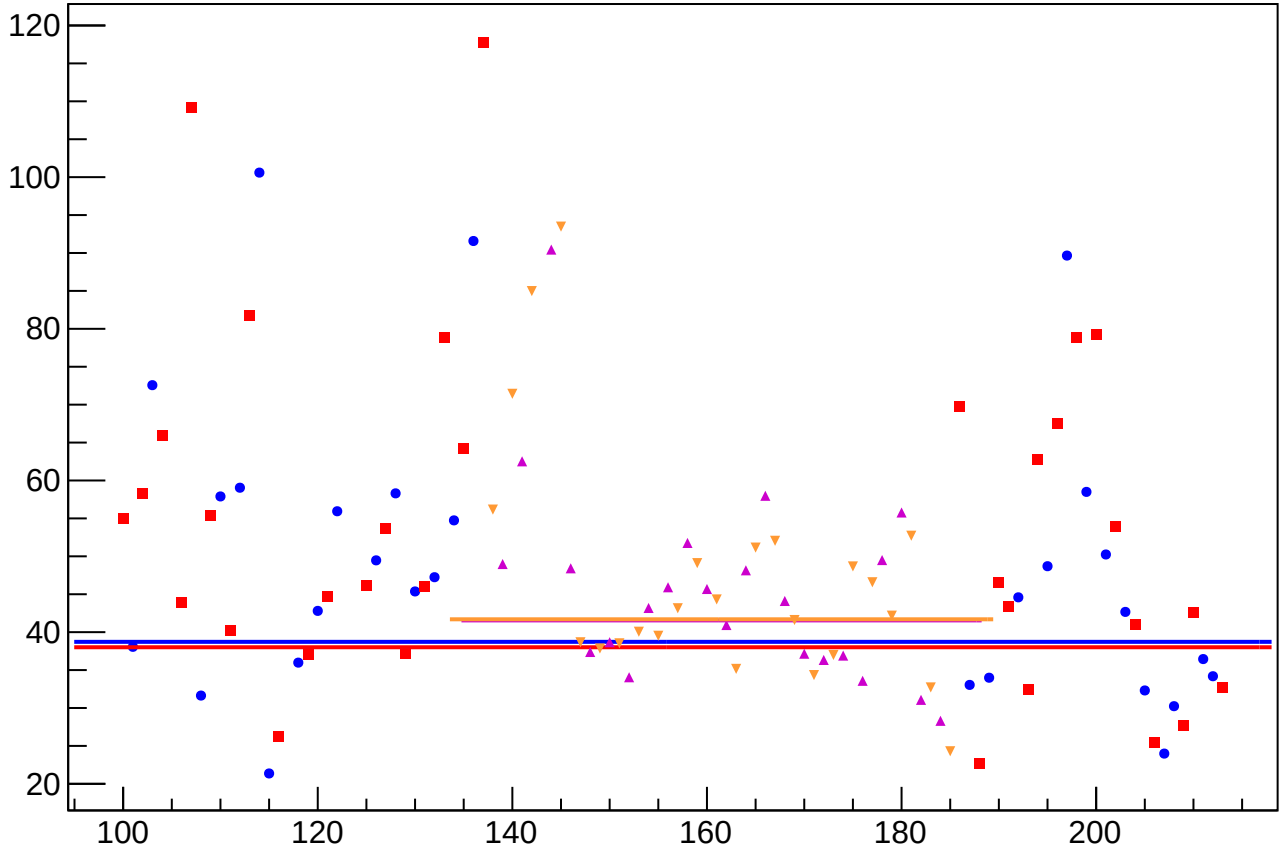
Right: 0.000+/-0.007 χ^2/NDF: 84.8/61

In: -0.002+/-0.007 χ^2/NDF:59.7/51

Out: -0.008+/-0.007 χ^2/NDF:69.7/56

All: -0.005+/-0.005 χ^2/NDF: 129.7/108

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.723+/-0.008 χ^2/NDF: 3109107.4/28

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

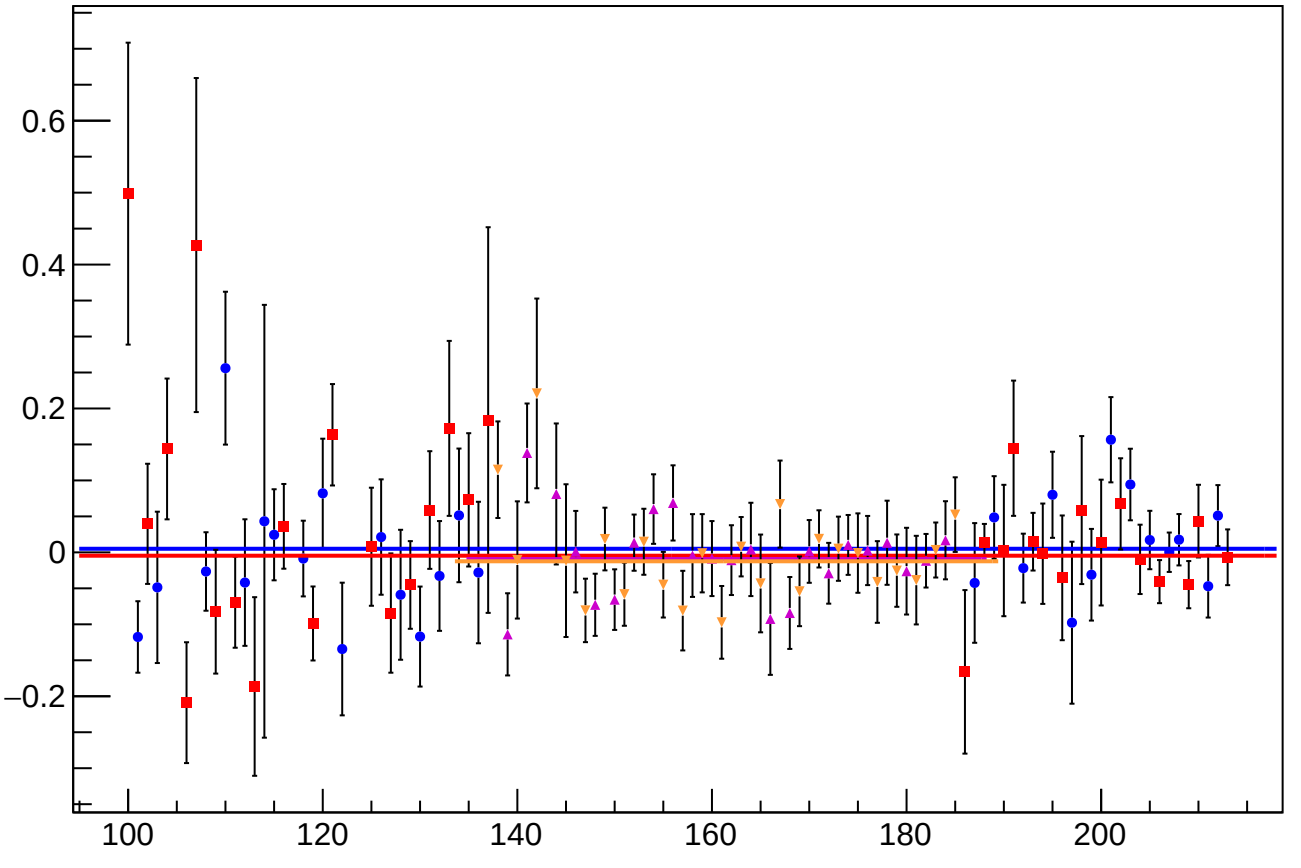
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 38.355+/-0.005 χ^2/NDF: 7580681.4/61

In: 40.159+/-0.005 χ^2/NDF:4793765.4/51

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

All: 39.988+/-0.004 χ^2/NDF: 11209953.1/108



Right In: 0.005+/-0.011 χ^2/NDF: 36.8/28

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

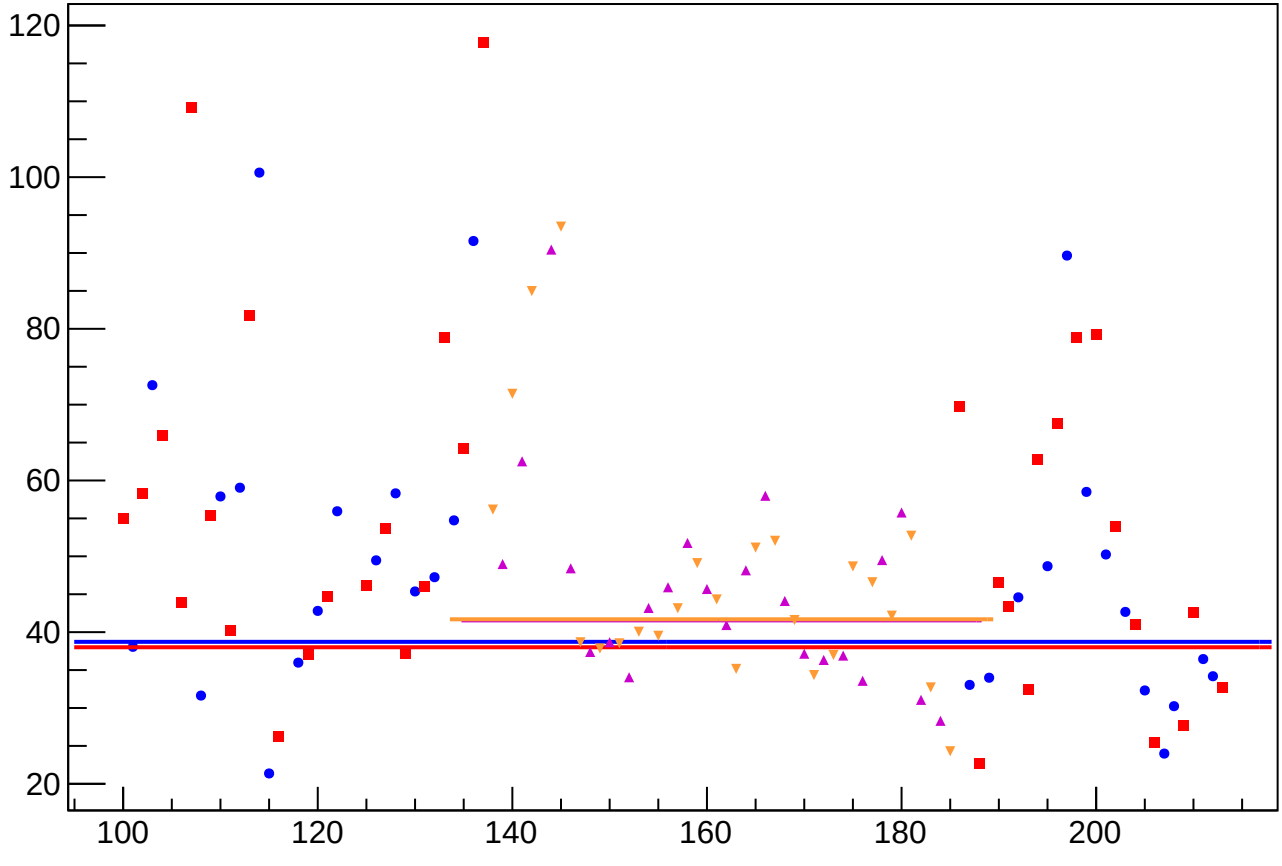
Right: 0.000+/-0.007 χ^2/NDF: 84.8/61

In: -0.002+/-0.007 χ^2/NDF:59.7/51

Out: -0.008+/-0.007 χ^2/NDF:69.7/56

All: -0.005+/-0.005 χ^2/NDF: 129.7/108

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.723+/-0.008 χ^2/NDF: 3109107.4/28

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

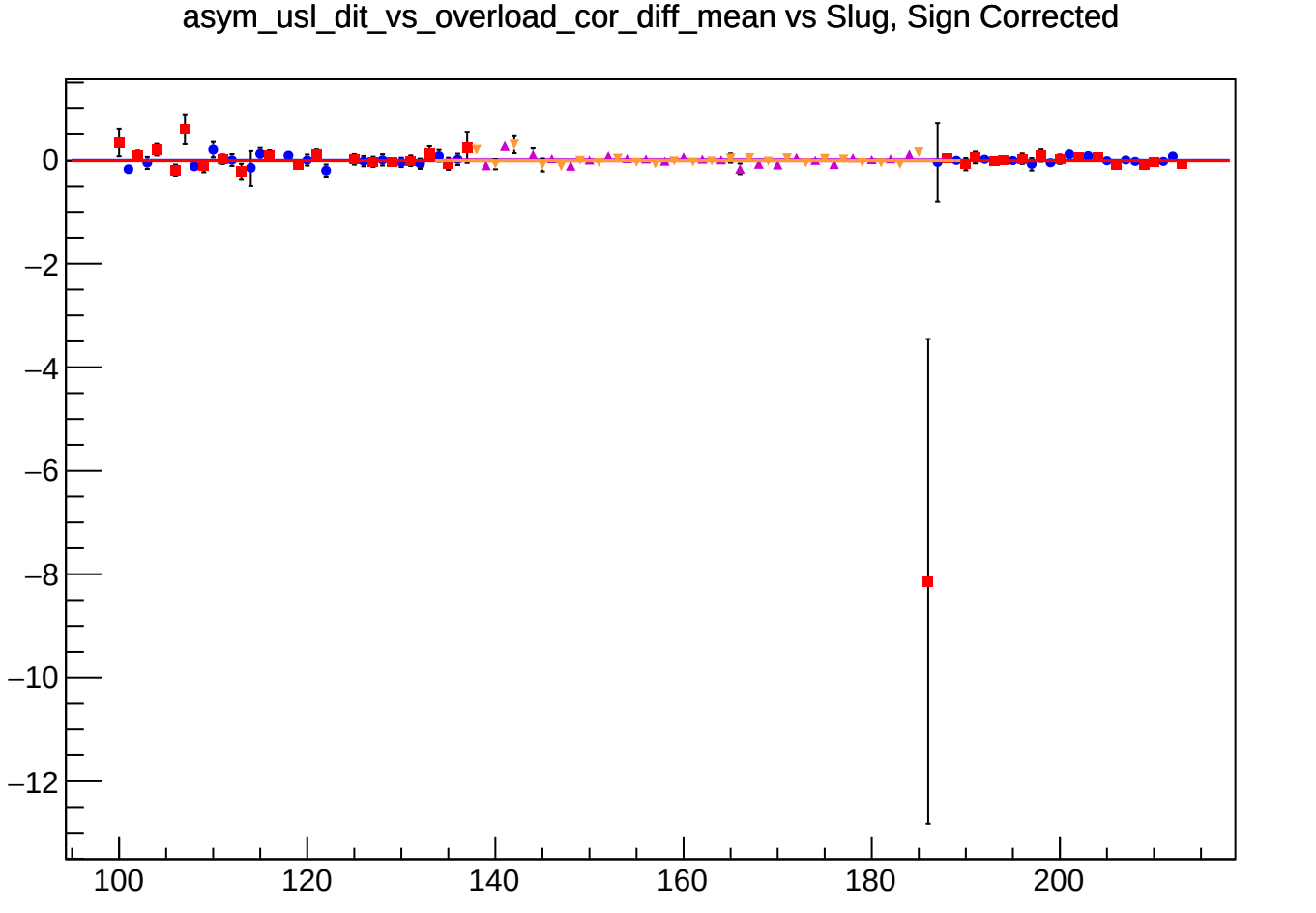
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 38.355+/-0.005 χ^2/NDF: 7580681.4/61

In: 40.159+/-0.005 χ^2/NDF:4793765.4/51

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

All: 39.988+/-0.004 χ^2/NDF: 11209953.1/108



Right In: -0.002+/-0.015 χ^2/NDF: 26.5/28

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

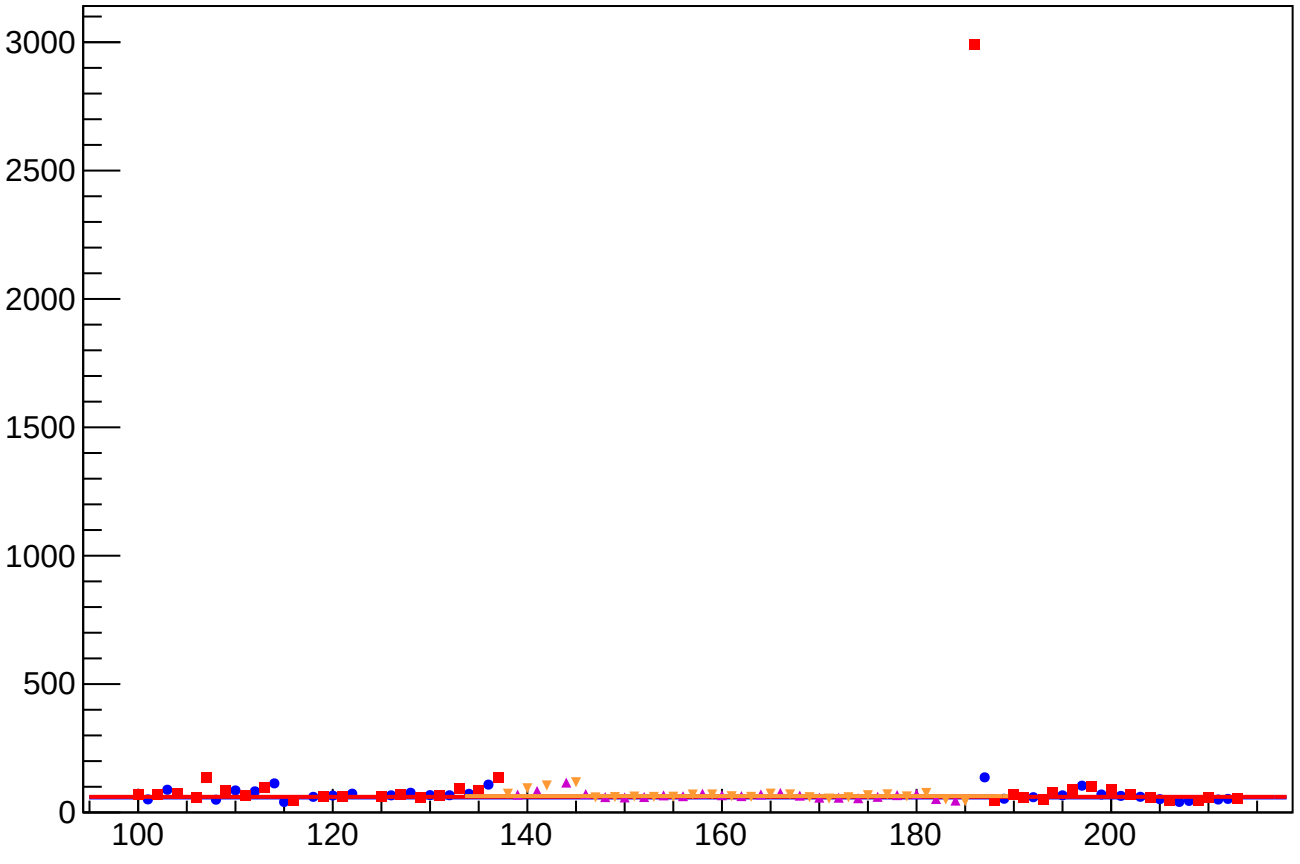
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.005+/-0.011 χ^2/NDF: 63.7/61

In: 0.003+/-0.011 χ^2/NDF:54.9/51

Out: -0.007+/-0.011 χ^2/NDF:60.8/56

All: -0.002+/-0.008 χ^2/NDF: 116.1/108



Right In: 58.376+/-0.011 χ^2/NDF: 1844383.8/28

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

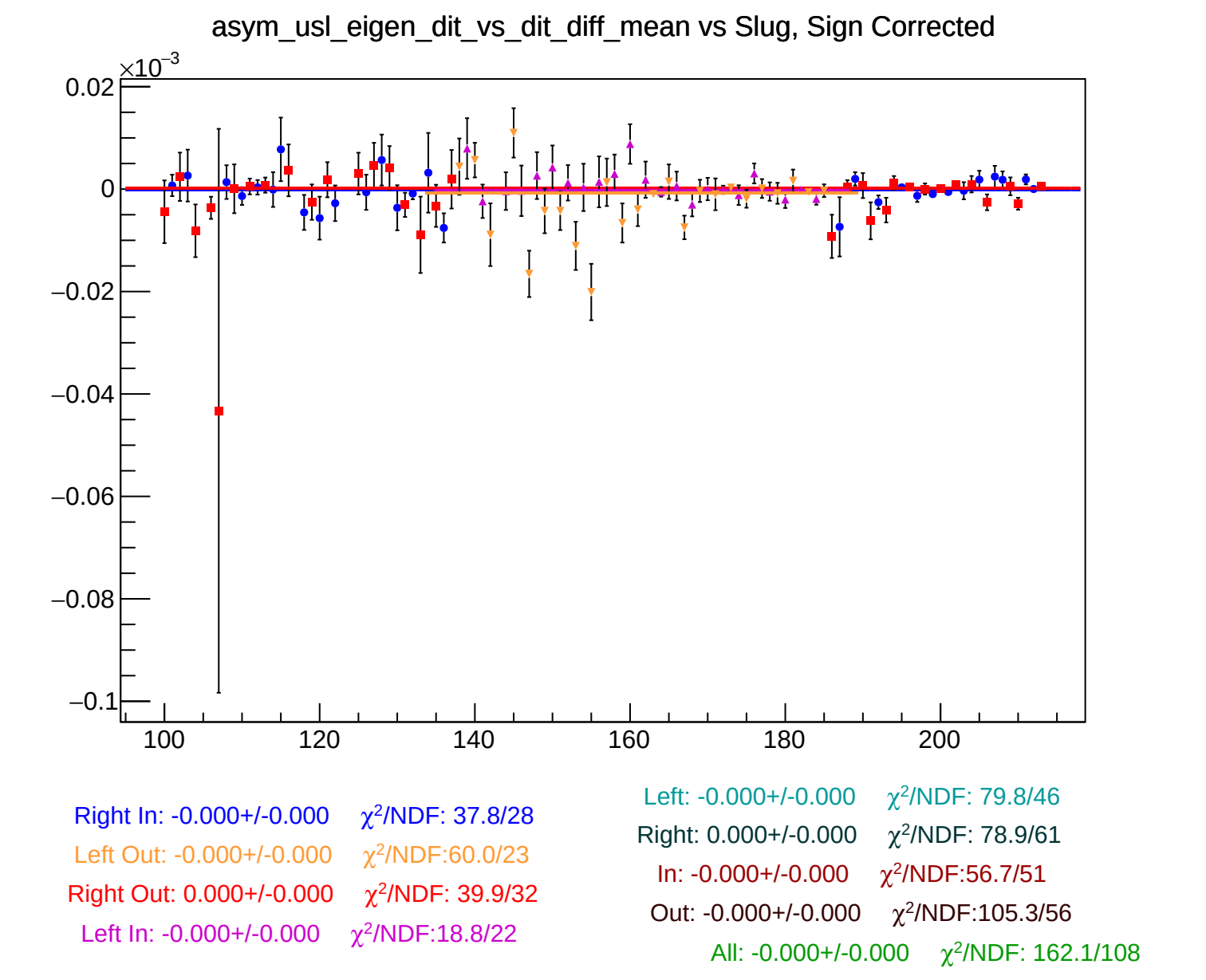
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

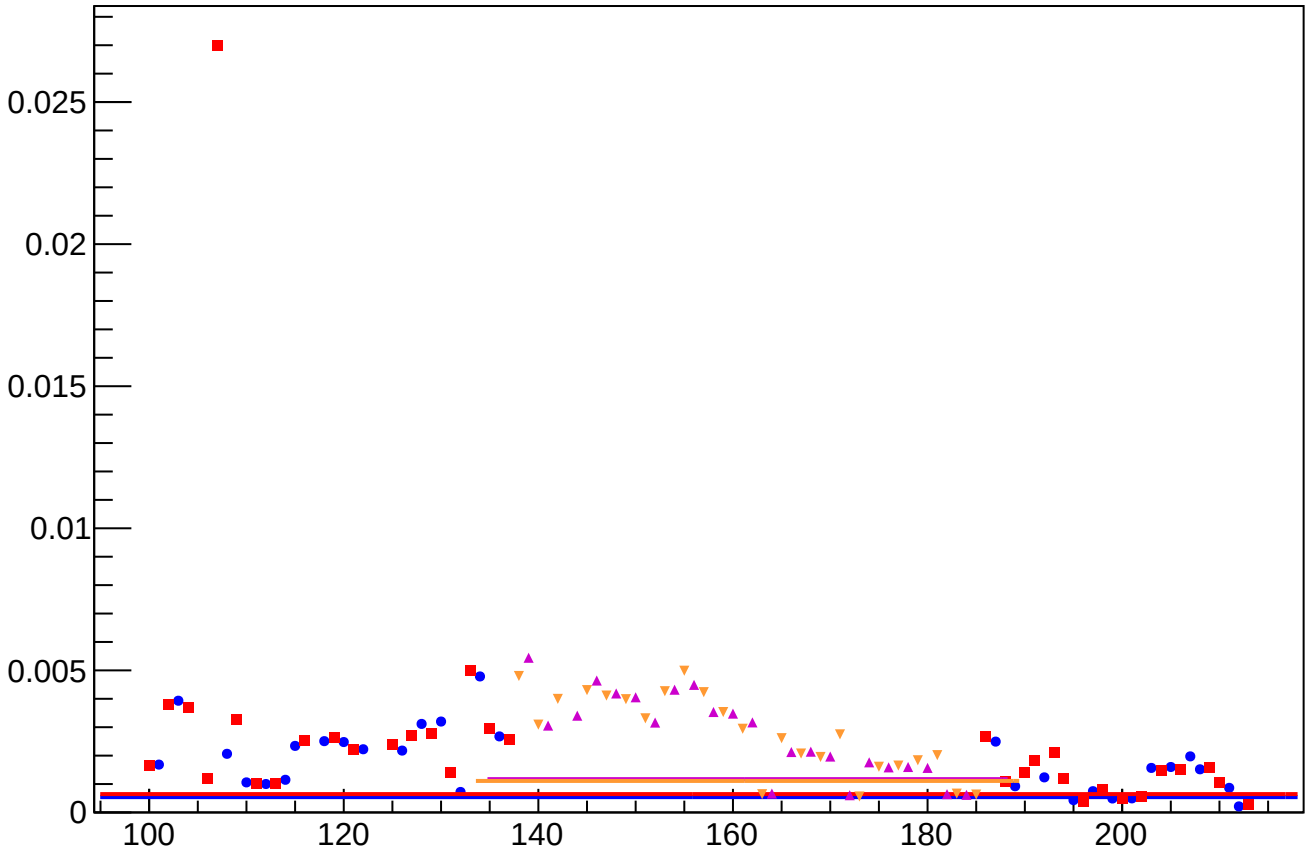
Right: 59.597+/-0.008 χ^2/NDF: 4615901.4/61

In: 61.148+/-0.008 χ^2/NDF:2819387.8/51

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

All: 61.722+/-0.005 χ^2/NDF: 6691572.0/108


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: 37.8/28
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: 78.9/61
In: -0.000+/-0.000 χ²/NDF:56.7/51
Out: -0.000+/-0.000 χ²/NDF:105.3/56
All: -0.000+/-0.000 χ²/NDF: 162.1/108



Right In: 0.001+/-0.000 χ^2/NDF: 14821810.3/28

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

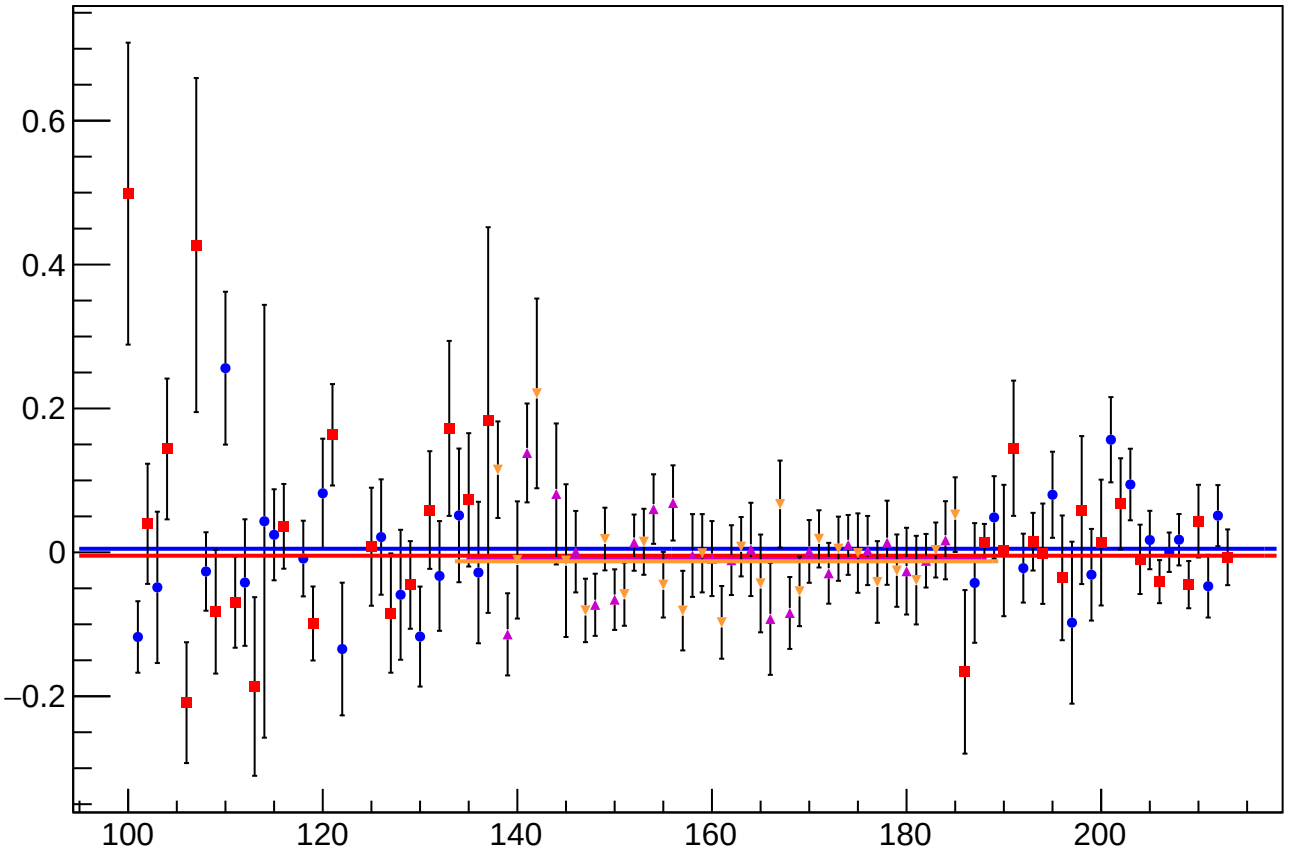
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 29735572.9/61

In: 0.001+/-0.000 χ^2/NDF:34037632.7/51

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

All: 0.001+/-0.000 χ^2/NDF: 66859670.4/108



Right In: 0.005+/-0.011 χ^2/NDF: 36.8/28

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

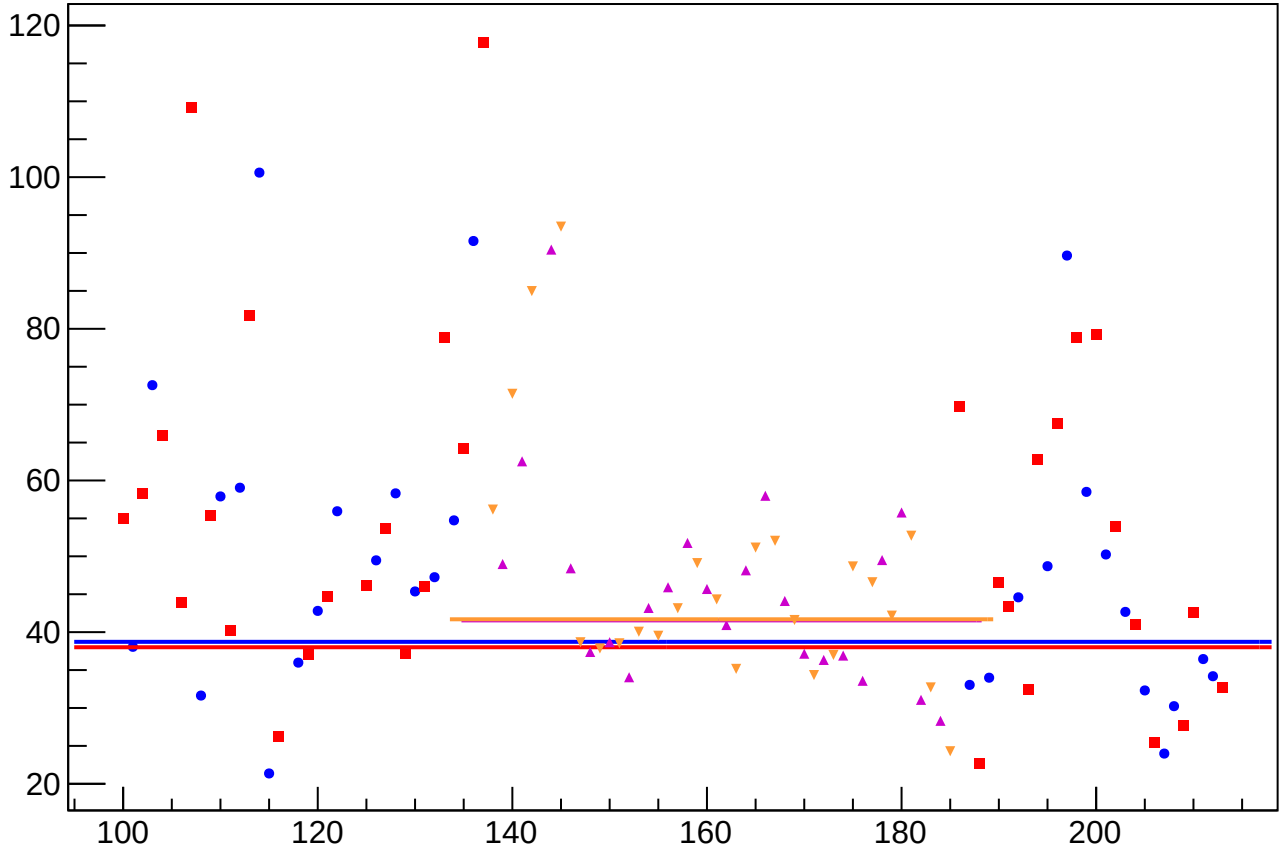
Right: 0.000+/-0.007 χ^2/NDF: 84.8/61

In: -0.002+/-0.007 χ^2/NDF:59.7/51

Out: -0.008+/-0.007 χ^2/NDF:69.7/56

All: -0.005+/-0.005 χ^2/NDF: 129.7/108

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.722+/-0.008 χ^2/NDF: 3109090.7/28

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

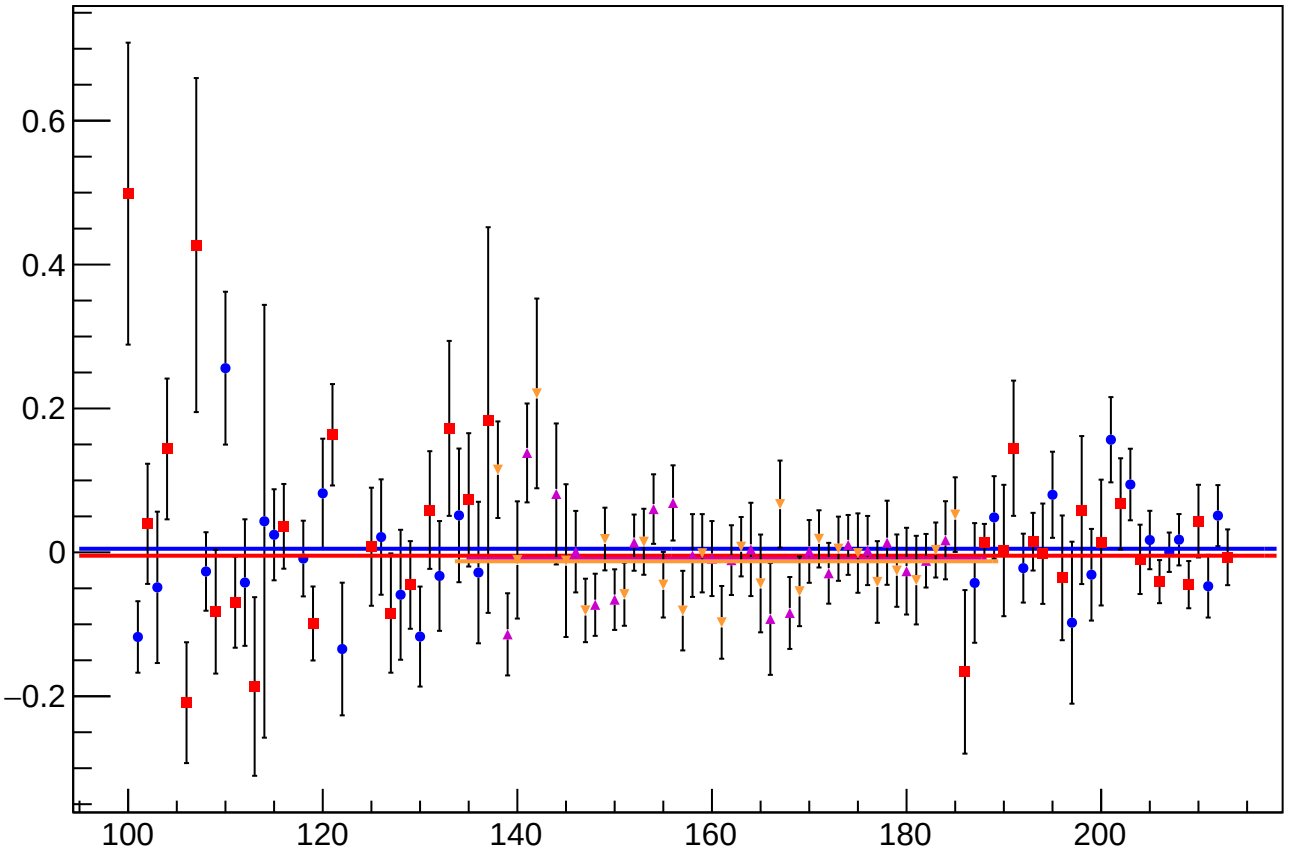
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 38.355+/-0.005 χ^2/NDF: 7580544.6/61

In: 40.159+/-0.005 χ^2/NDF:4793734.0/51

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

All: 39.988+/-0.004 χ^2/NDF: 11209776.2/108



Right In: 0.005+/-0.011 χ^2/NDF: 36.8/28

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

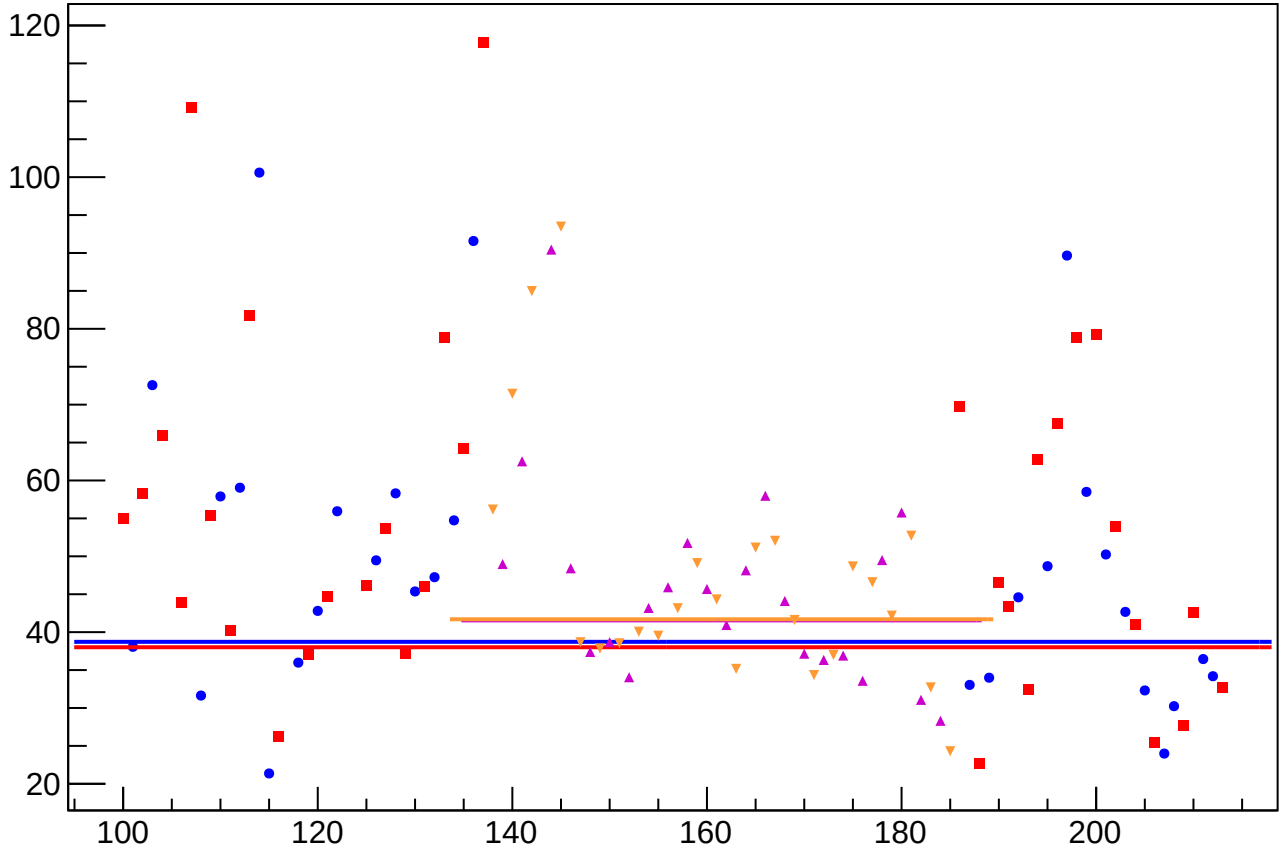
Right: 0.000+/-0.007 χ^2/NDF: 84.8/61

In: -0.002+/-0.007 χ^2/NDF:59.7/51

Out: -0.008+/-0.007 χ^2/NDF:69.7/56

All: -0.005+/-0.005 χ^2/NDF: 129.7/108

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.722+/-0.008 χ^2/NDF: 3109090.7/28

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

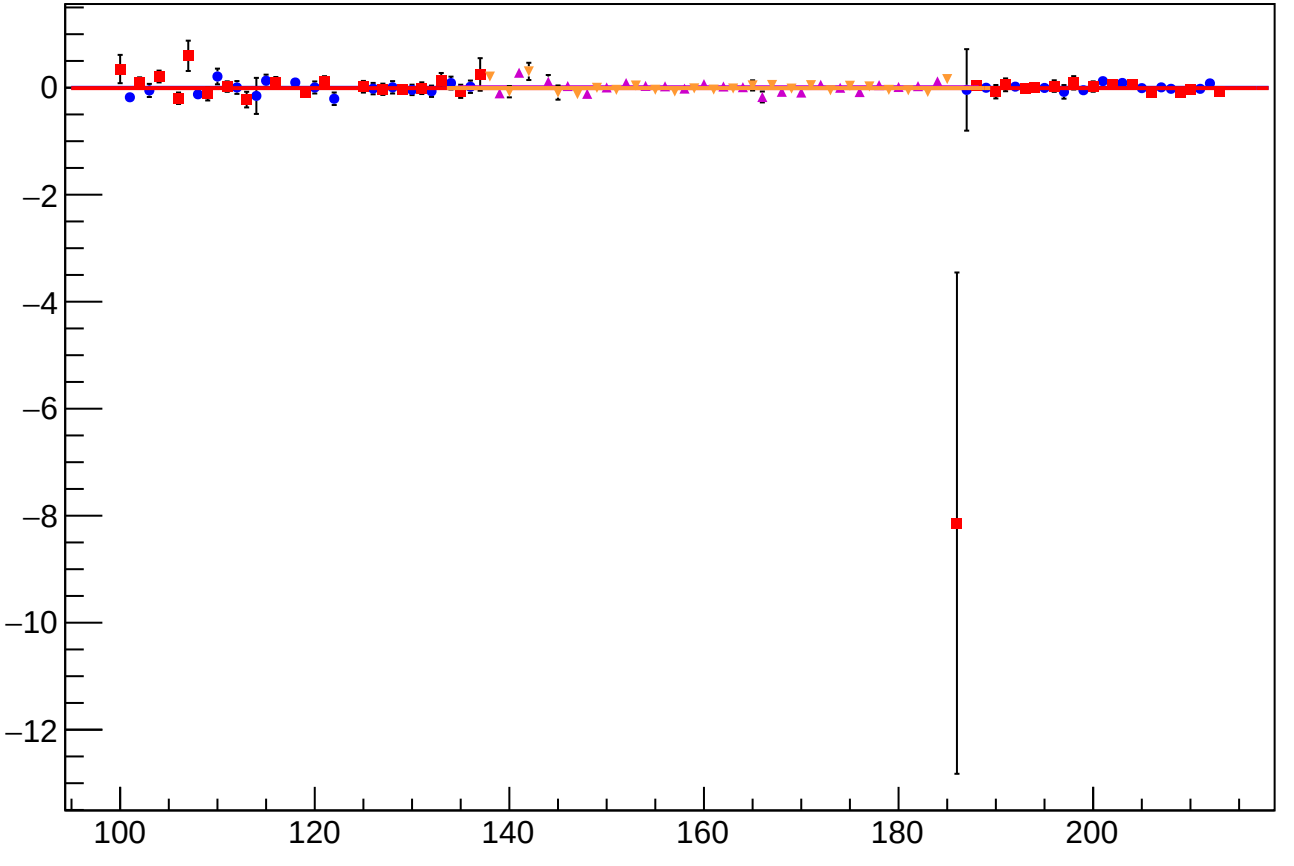
Right: 38.355+/-0.005 χ^2/NDF: 7580544.6/61

In: 40.159+/-0.005 χ^2/NDF:4793734.0/51

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

All: 39.988+/-0.004 χ^2/NDF: 11209776.2/108

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.015 χ^2/NDF: 26.5/28

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

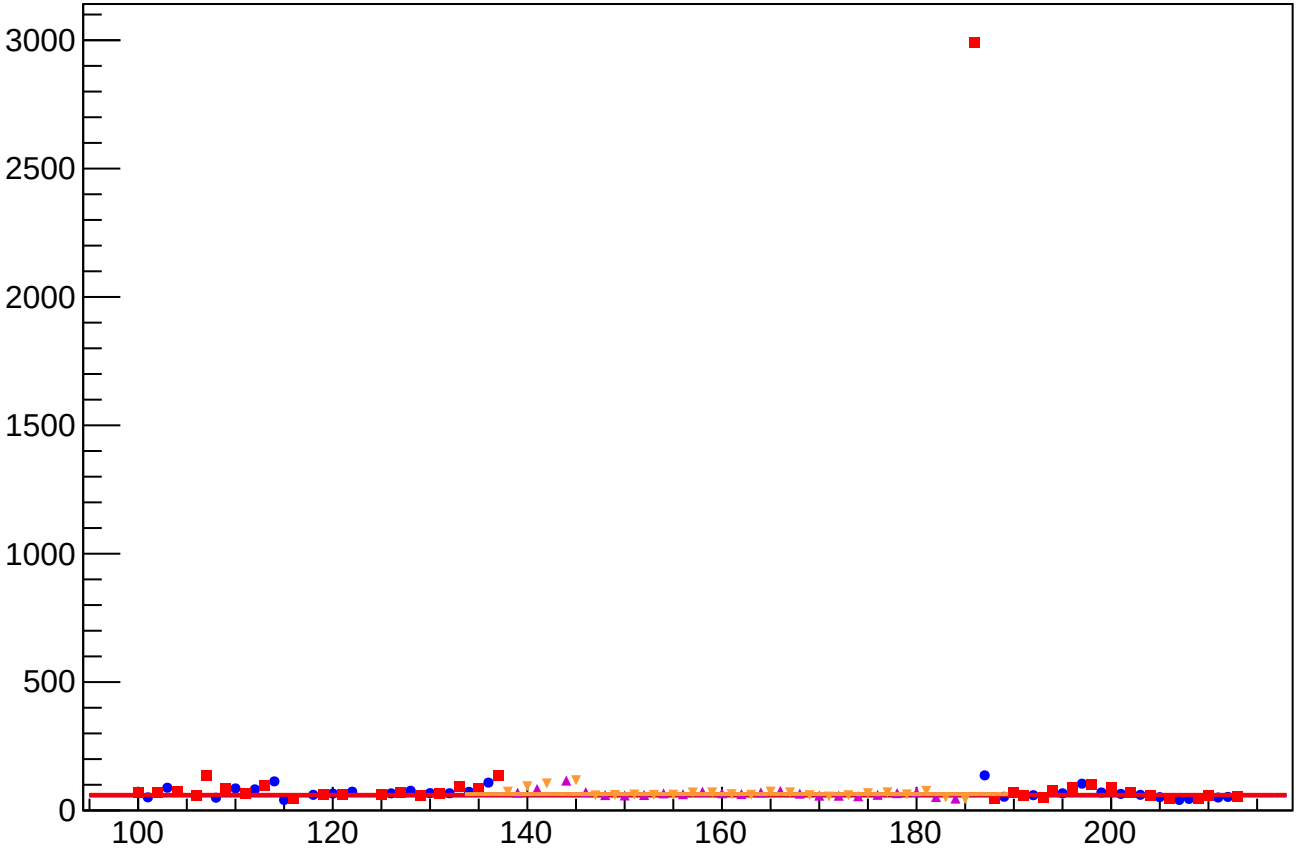
Right: -0.005+/-0.011 χ^2/NDF: 63.7/61

In: 0.003+/-0.011 χ^2/NDF:54.9/51

Out: -0.007+/-0.011 χ^2/NDF:60.8/56

All: -0.002+/-0.008 χ^2/NDF: 116.1/108

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.376+/-0.011 χ^2/NDF: 1844376.6/28

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

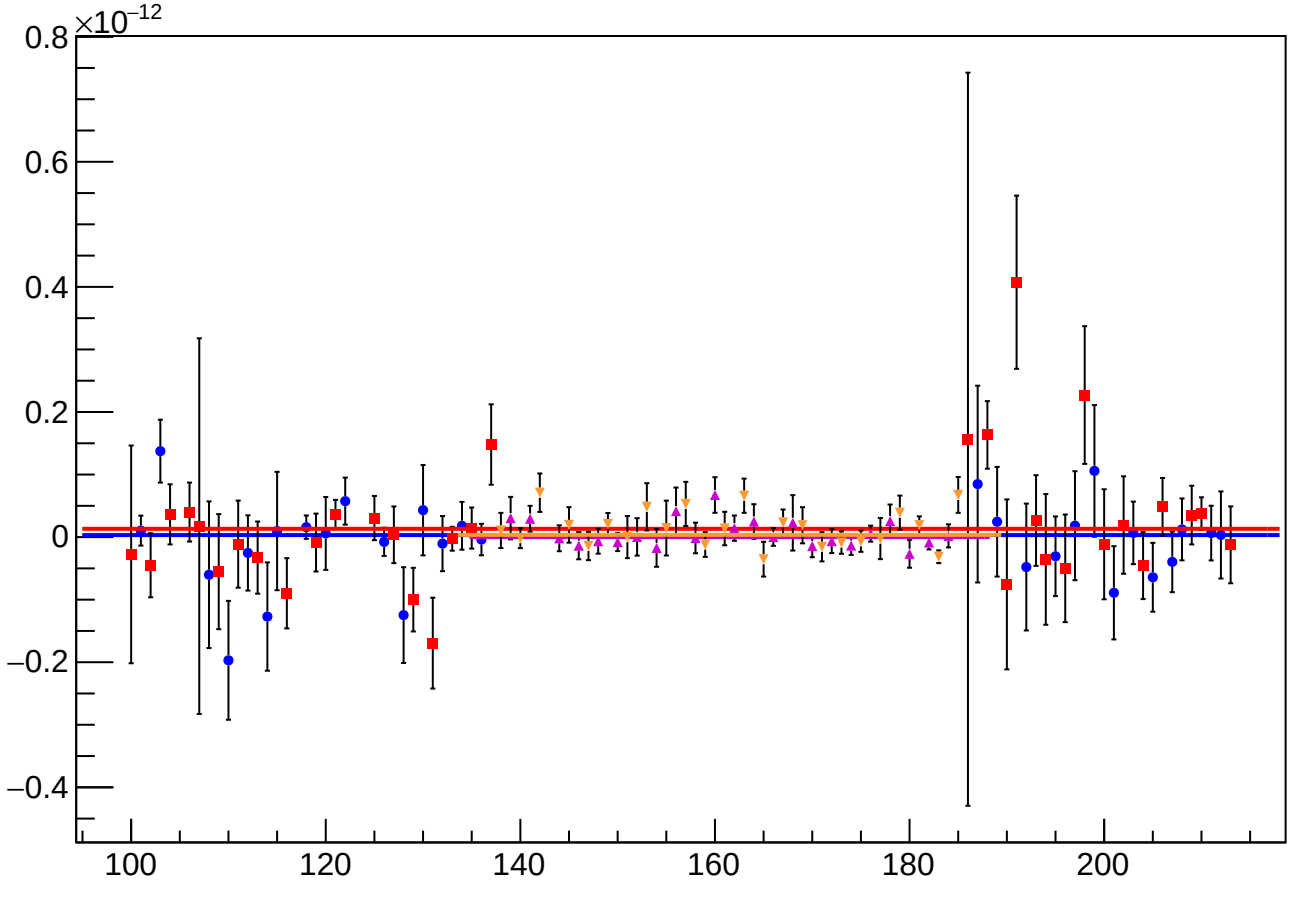
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 59.597+/-0.008 χ^2/NDF: 4615864.4/61

In: 61.148+/-0.008 χ^2/NDF:2819390.1/51

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

All: 61.722+/-0.005 χ^2/NDF: 6691539.2/108



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/28

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

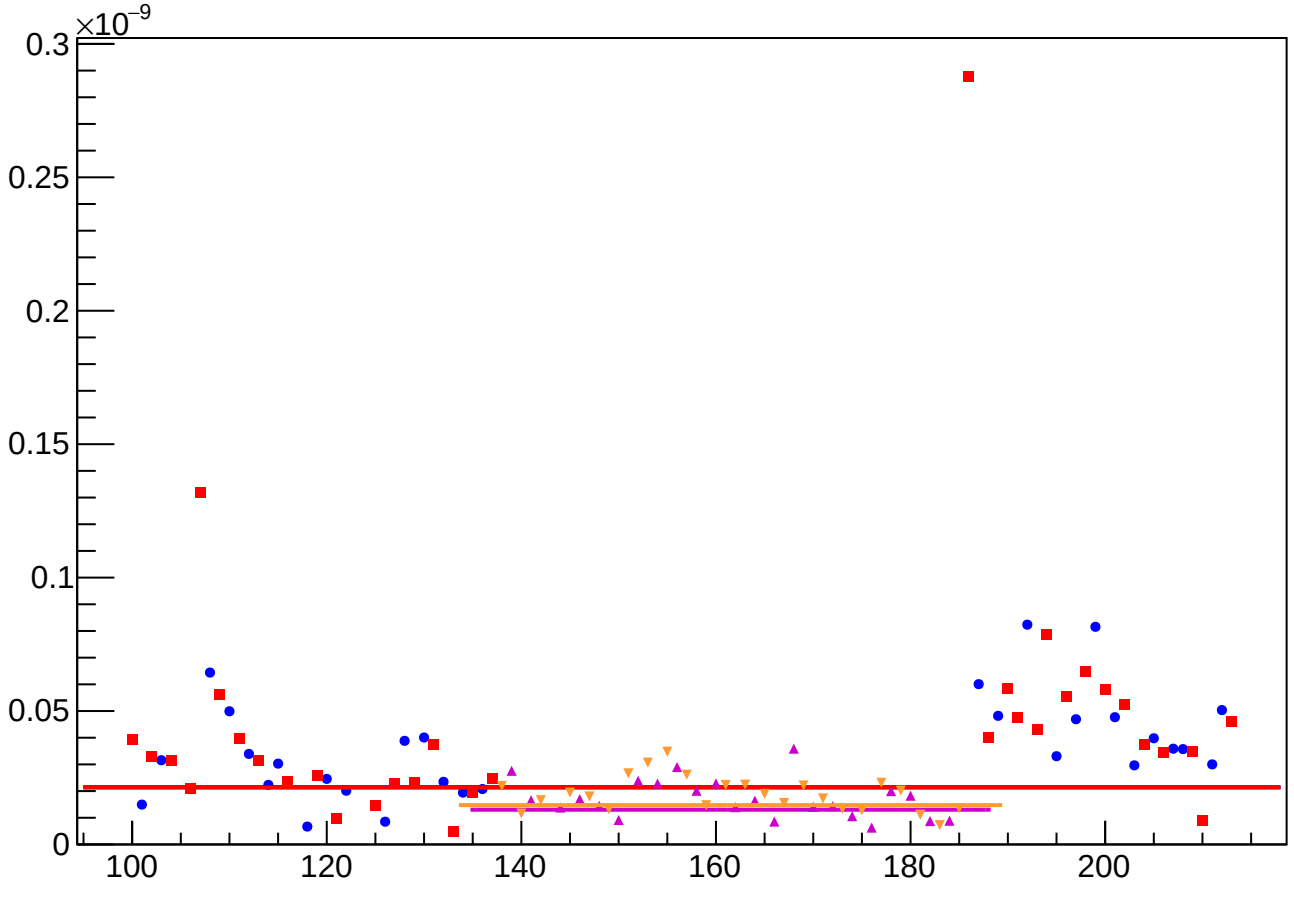
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 75.6/61

In: 0.000+/-0.000 χ^2/NDF:43.6/51

Out: 0.000+/-0.000 χ^2/NDF:90.2/56

All: 0.000+/-0.000 χ^2/NDF: 134.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 6142584.0/28

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

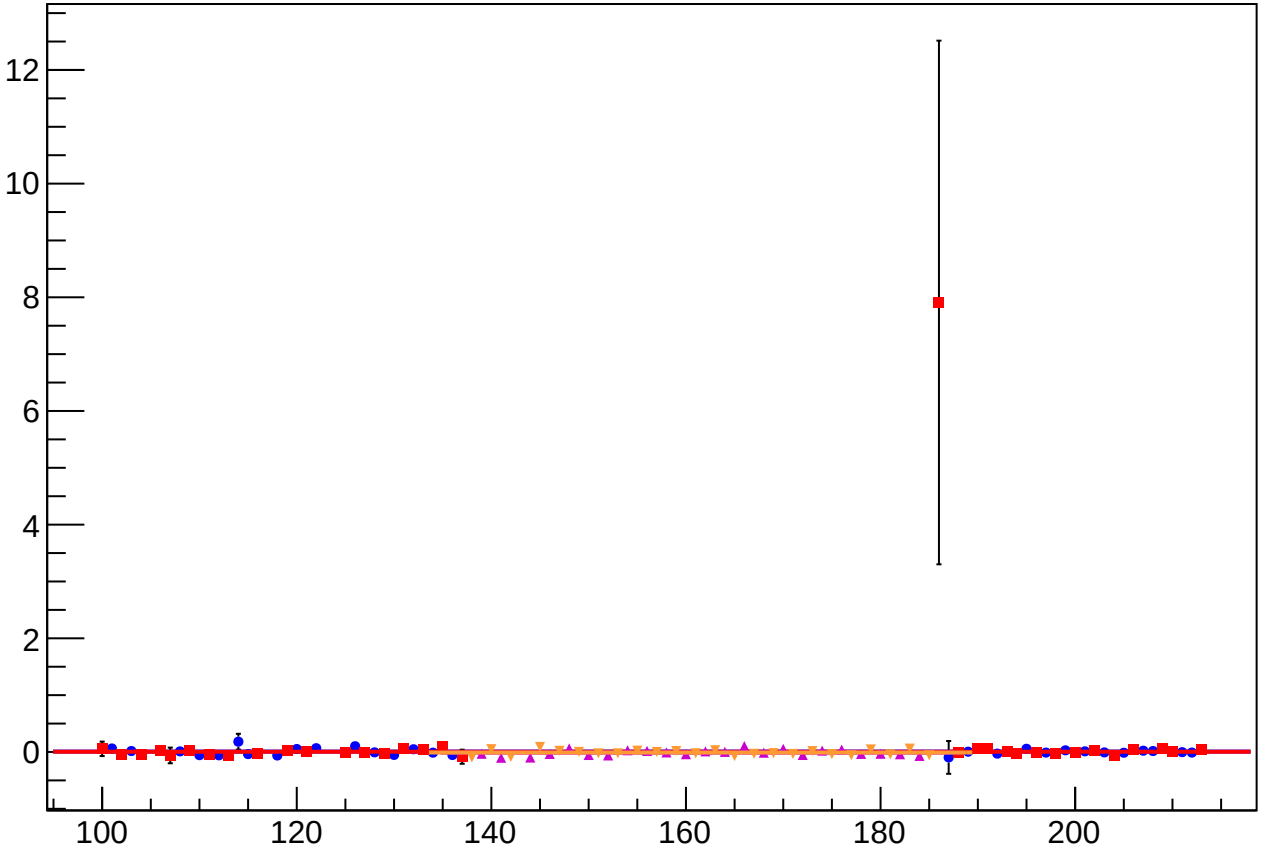
Right: 0.000+/-0.000 χ^2/NDF: 13544581.5/61

In: 0.000+/-0.000 χ^2/NDF:11790051.4/51

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

All: 0.000+/-0.000 χ^2/NDF: 23870592.3/108

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.008 χ^2/NDF: 19.9/28

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

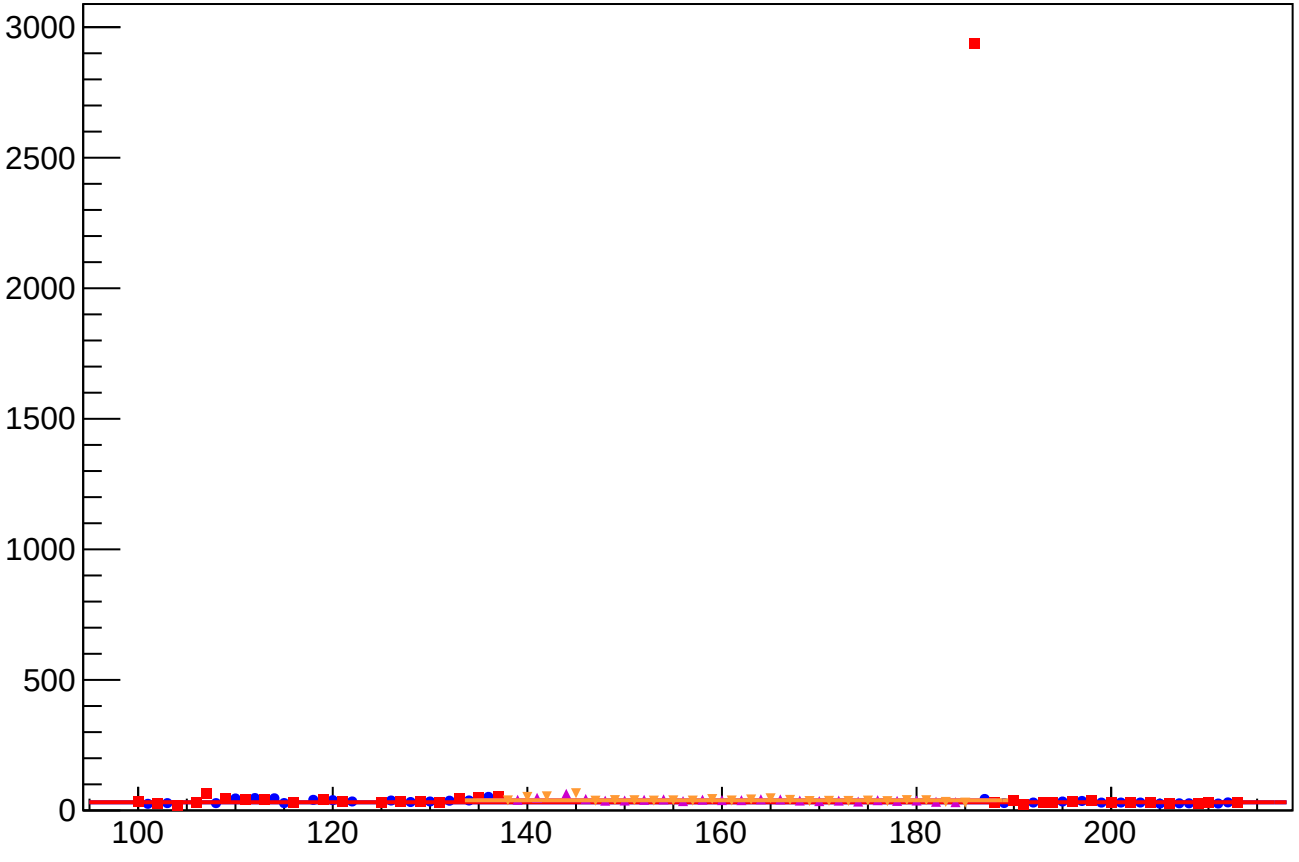
Right: 0.006+/-0.006 χ^2/NDF: 49.4/61

In: -0.000+/-0.006 χ^2/NDF:45.4/51

Out: -0.001+/-0.006 χ^2/NDF:50.2/56

All: -0.001+/-0.004 χ^2/NDF: 95.6/108

asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.093+/-0.006 χ^2/NDF: 962162.3/28

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

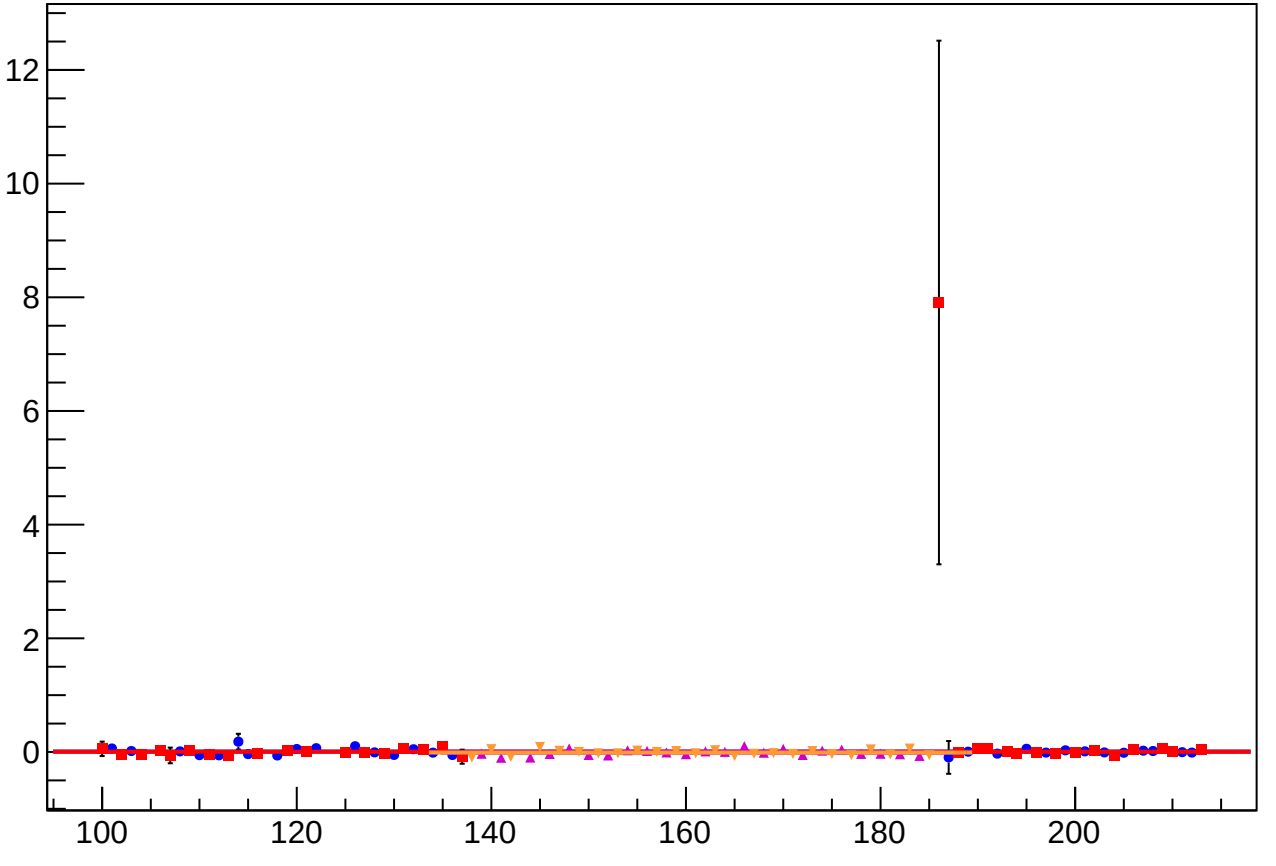
Right: 31.269+/-0.004 χ^2/NDF: 2950408.5/61

In: 34.402+/-0.004 χ^2/NDF:2329173.6/51

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

All: 34.440+/-0.003 χ^2/NDF: 5696621.8/108

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.008 χ^2/NDF: 19.9/28

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

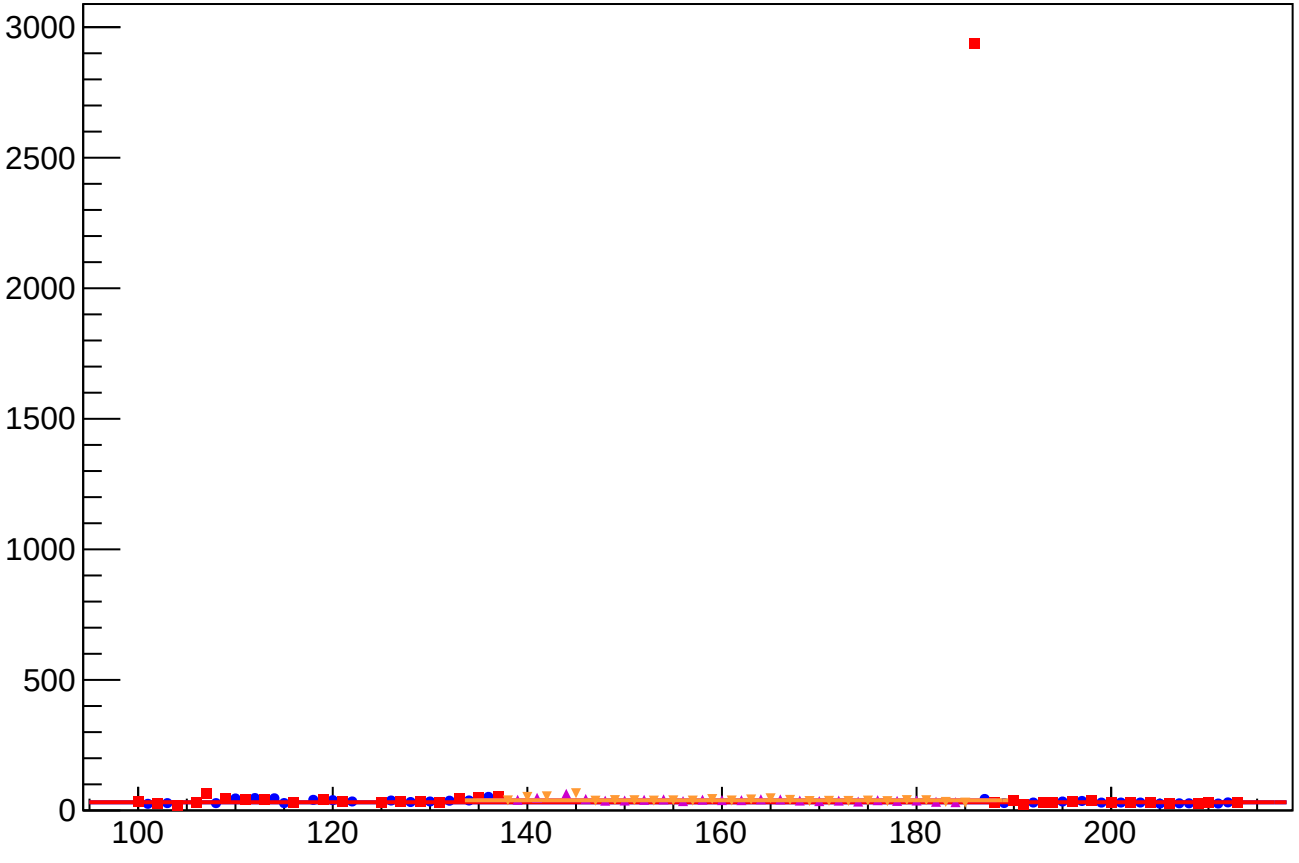
Right: 0.006+/-0.006 χ^2/NDF: 49.4/61

In: -0.000+/-0.006 χ^2/NDF:45.4/51

Out: -0.001+/-0.006 χ^2/NDF:50.2/56

All: -0.001+/-0.004 χ^2/NDF: 95.6/108

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.093+/-0.006 χ^2/NDF: 962162.3/28

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

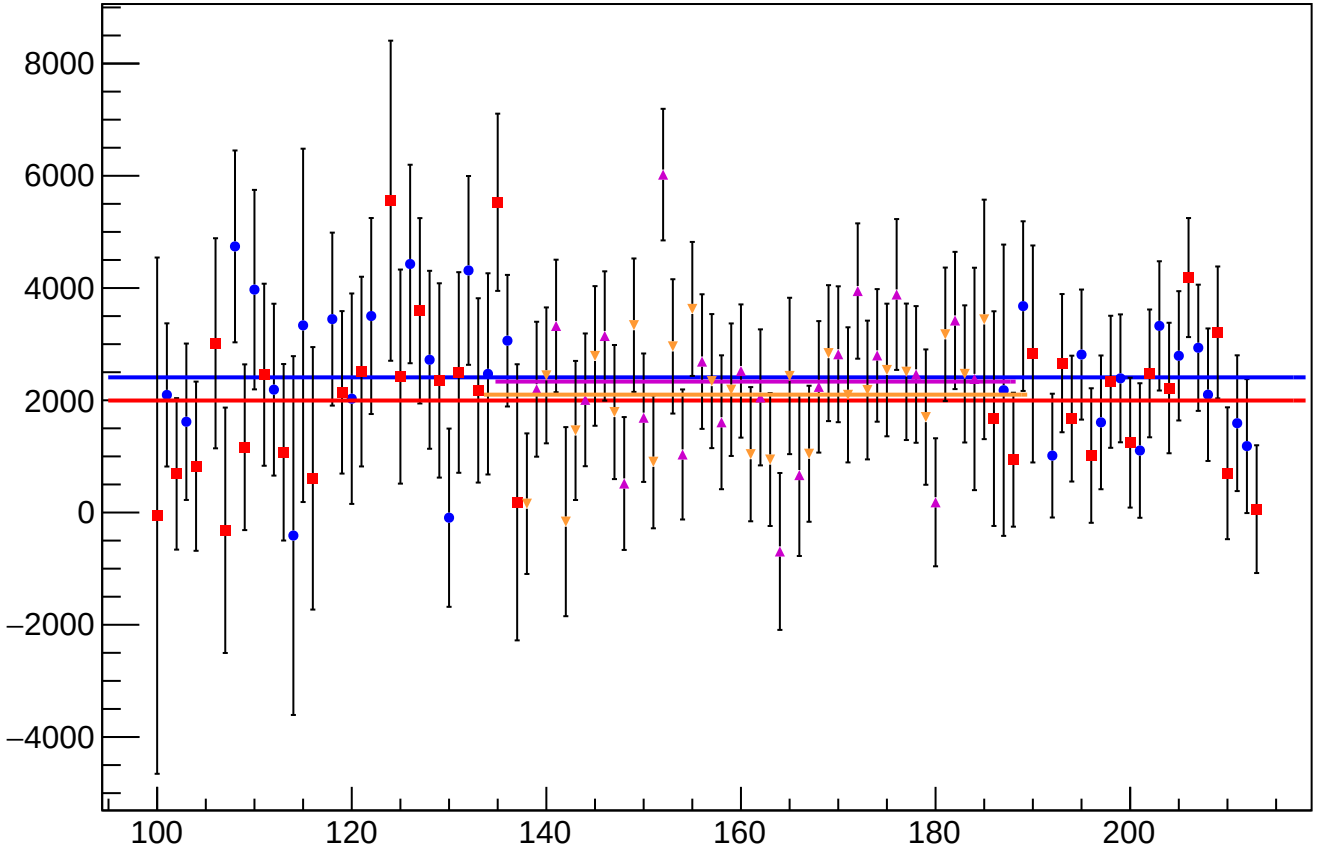
Right: 31.269+/-0.004 χ^2/NDF: 2950408.5/61

In: 34.402+/-0.004 χ^2/NDF:2329173.6/51

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

All: 34.440+/-0.003 χ^2/NDF: 5696621.8/108

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2408.597+/-261.015 χ^2/NDF: 16.8/28

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

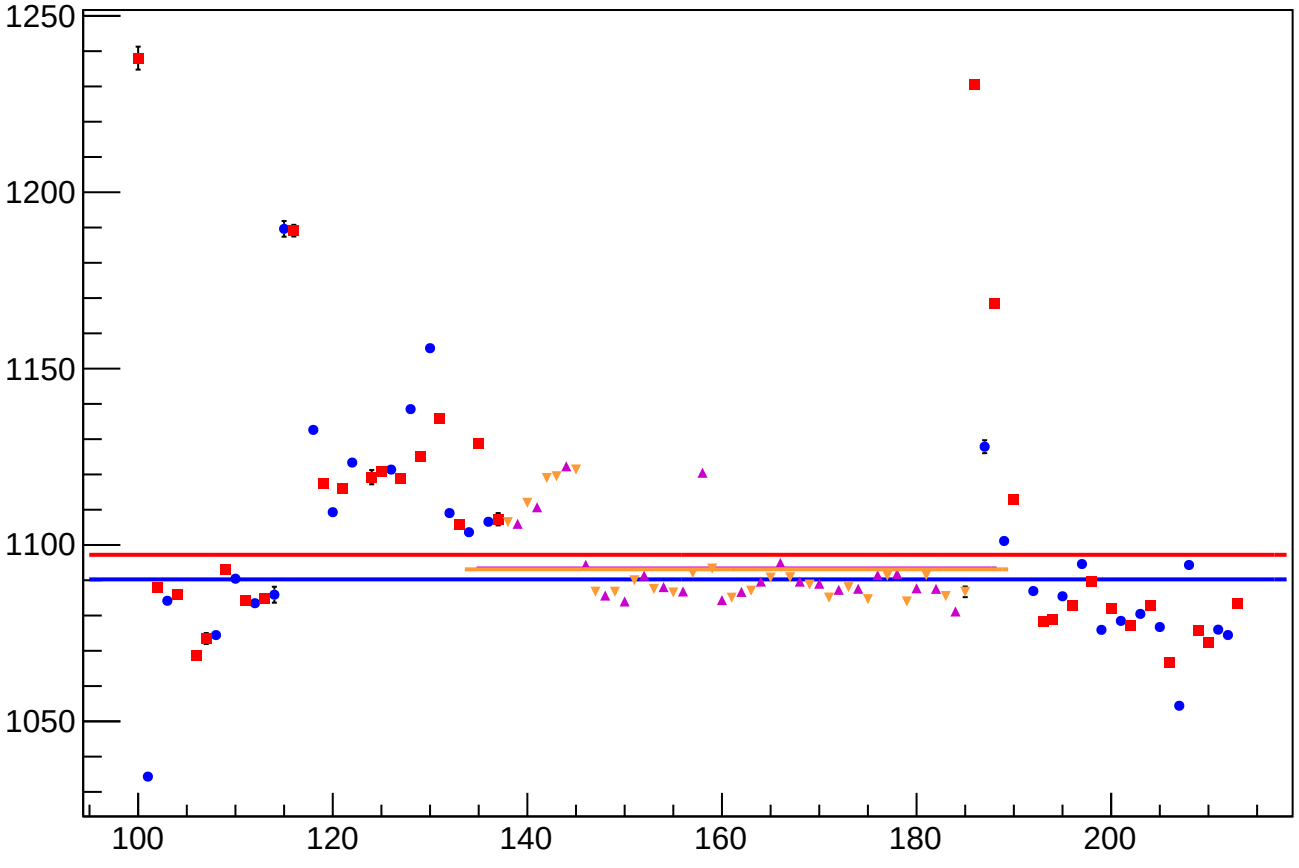
Right: 2195.825+/-181.683 χ^2/NDF: 42.9/61

In: 2369.936+/-182.506 χ^2/NDF:46.3/51

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

All: 2204.820+/-127.145 χ^2/NDF: 86.6/109

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1090.248+/-0.185 χ^2/NDF: 19367.7/28

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

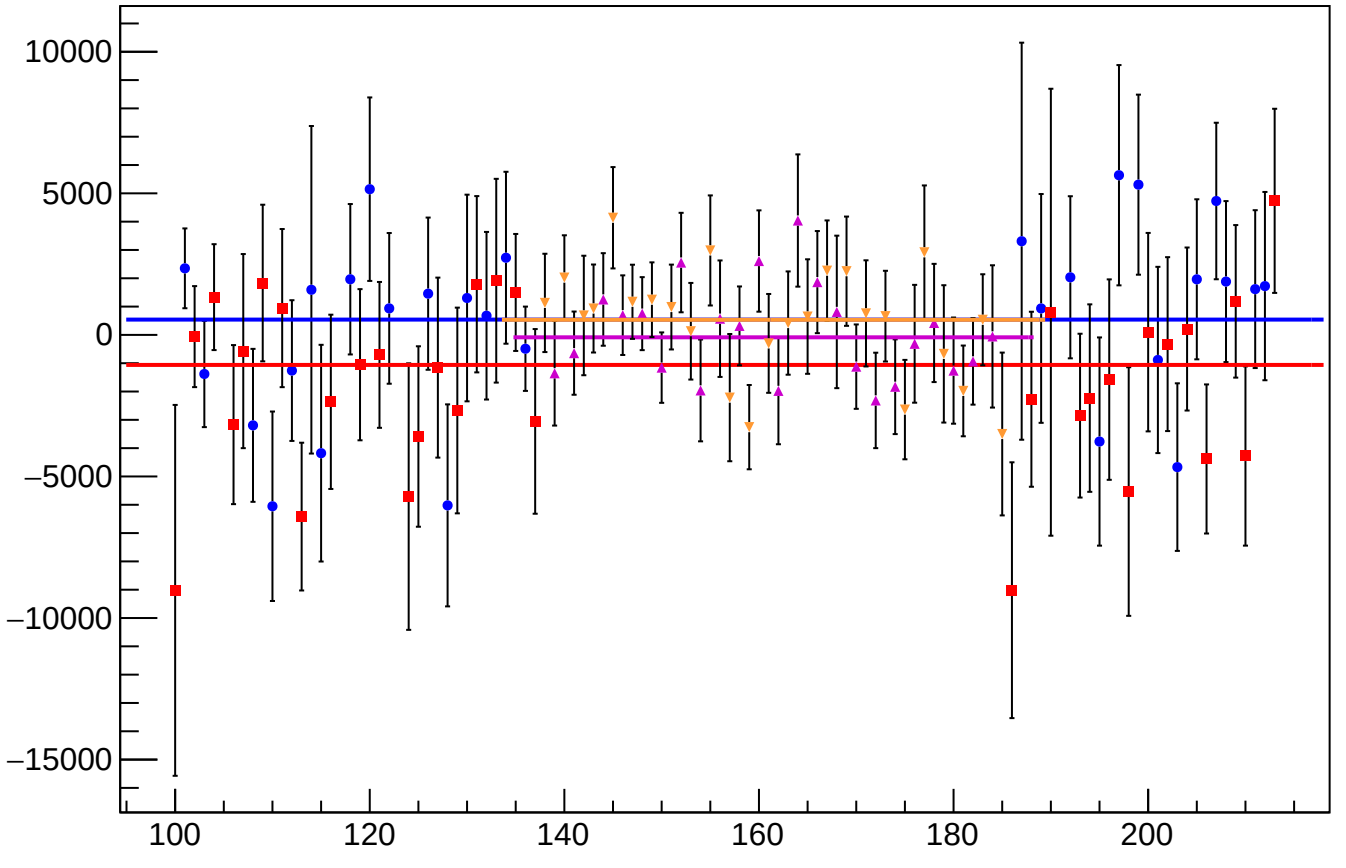
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1093.842+/-0.128 χ^2/NDF: 53130.1/61

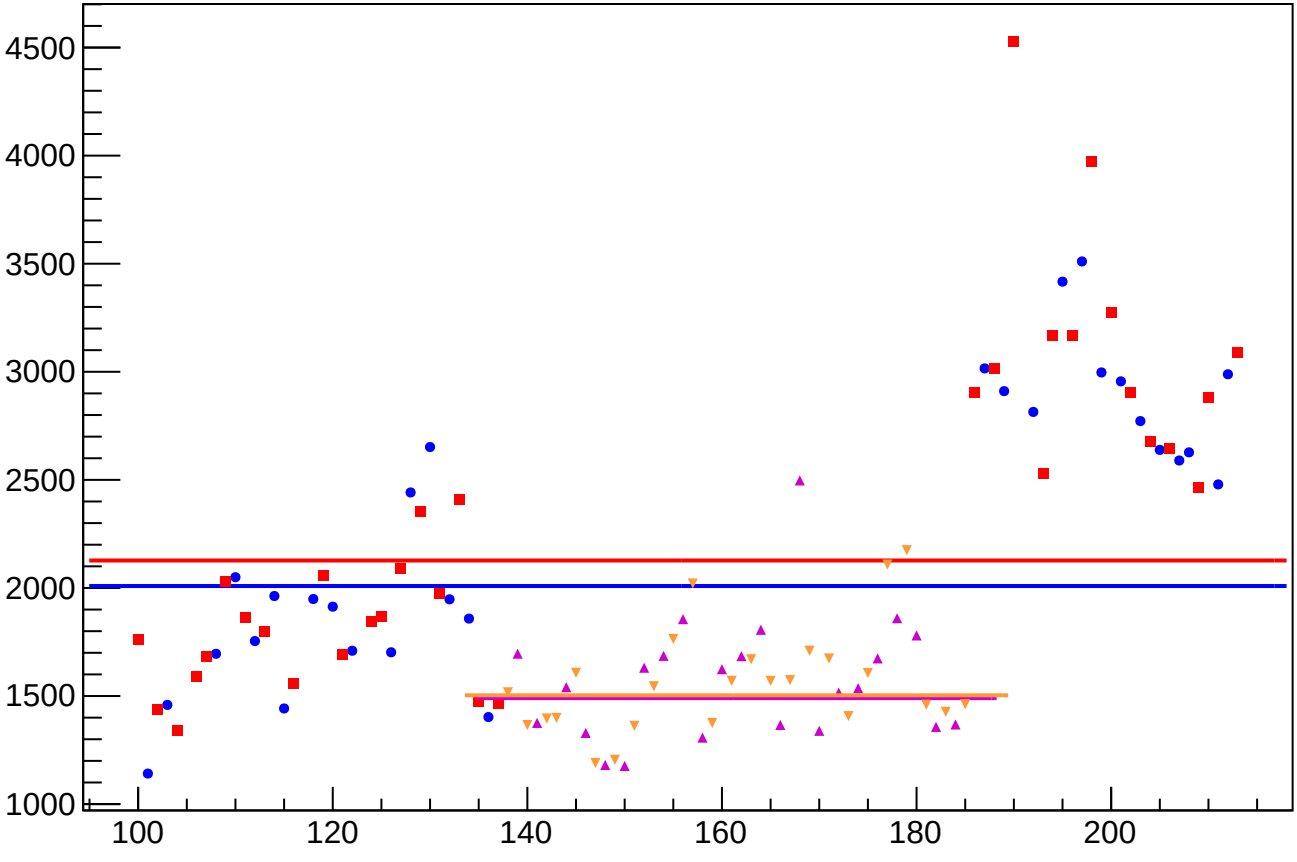
In: 1091.828+/-0.129 χ^2/NDF:23236.7/51

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

All: 1093.523+/-0.090 χ^2/NDF: 60852.0/109


asym_usr_reg_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 540.618+/-508.622 χ²/NDF: 29.6/28
Left Out: 532.982+/-347.223 χ²/NDF:26.4/24
Right Out: -1060.495+/-515.618 χ²/NDF: 27.0/32
Left In: -85.329+/-353.933 χ²/NDF:18.1/22
Left: 229.744+/-247.862 χ²/NDF: 46.1/47
Right: -249.003+/-362.098 χ²/NDF: 61.4/61
In: 118.886+/-290.516 χ²/NDF:48.6/51
Out: 35.822+/-288.007 χ²/NDF:60.0/57
All: 76.994+/-204.533 χ²/NDF: 108.7/109

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 2008.873+/-0.360 χ^2/NDF: 3399348.6/28

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

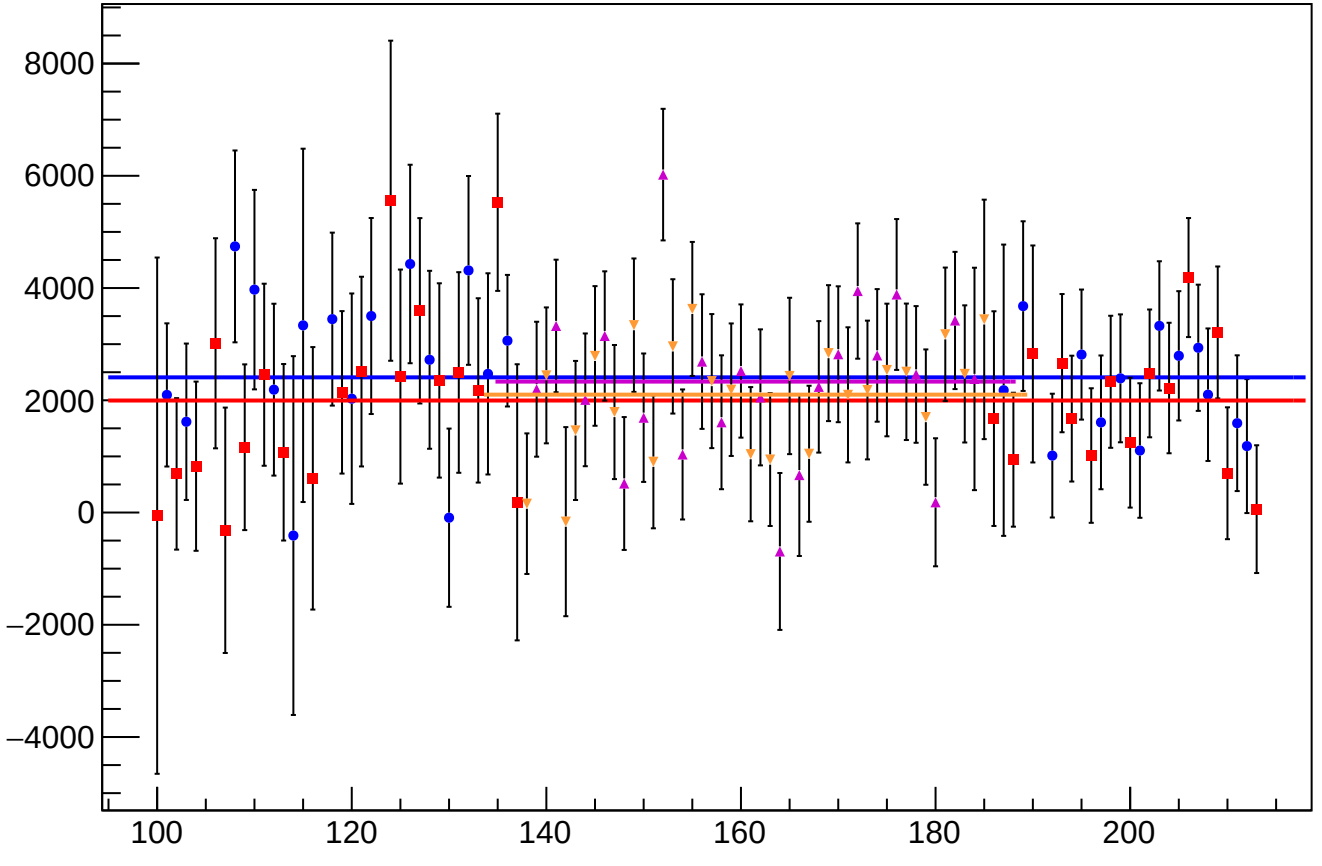
Right: 2067.128+/-0.256 χ^2/NDF: 6710882.6/61

In: 1659.494+/-0.205 χ^2/NDF:5768231.6/51

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

All: 1678.907+/-0.145 χ^2/NDF: 11856377.6/

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2408.597+/-261.015 χ^2/NDF: 16.8/28

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

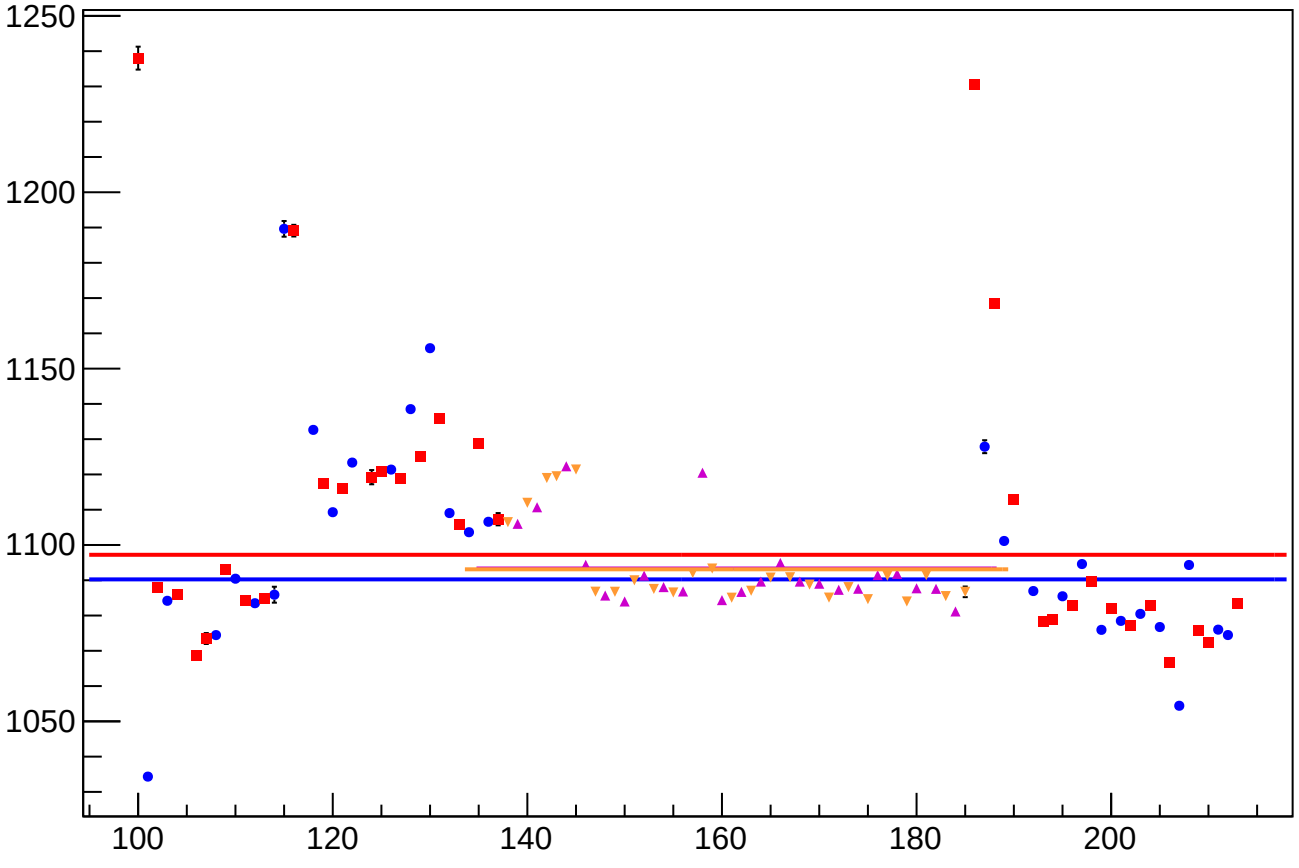
Right: 2195.825+/-181.683 χ^2/NDF: 42.9/61

In: 2369.936+/-182.506 χ^2/NDF:46.3/51

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

All: 2204.820+/-127.145 χ^2/NDF: 86.6/109

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1090.248+/-0.185 χ^2/NDF: 19367.7/28

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

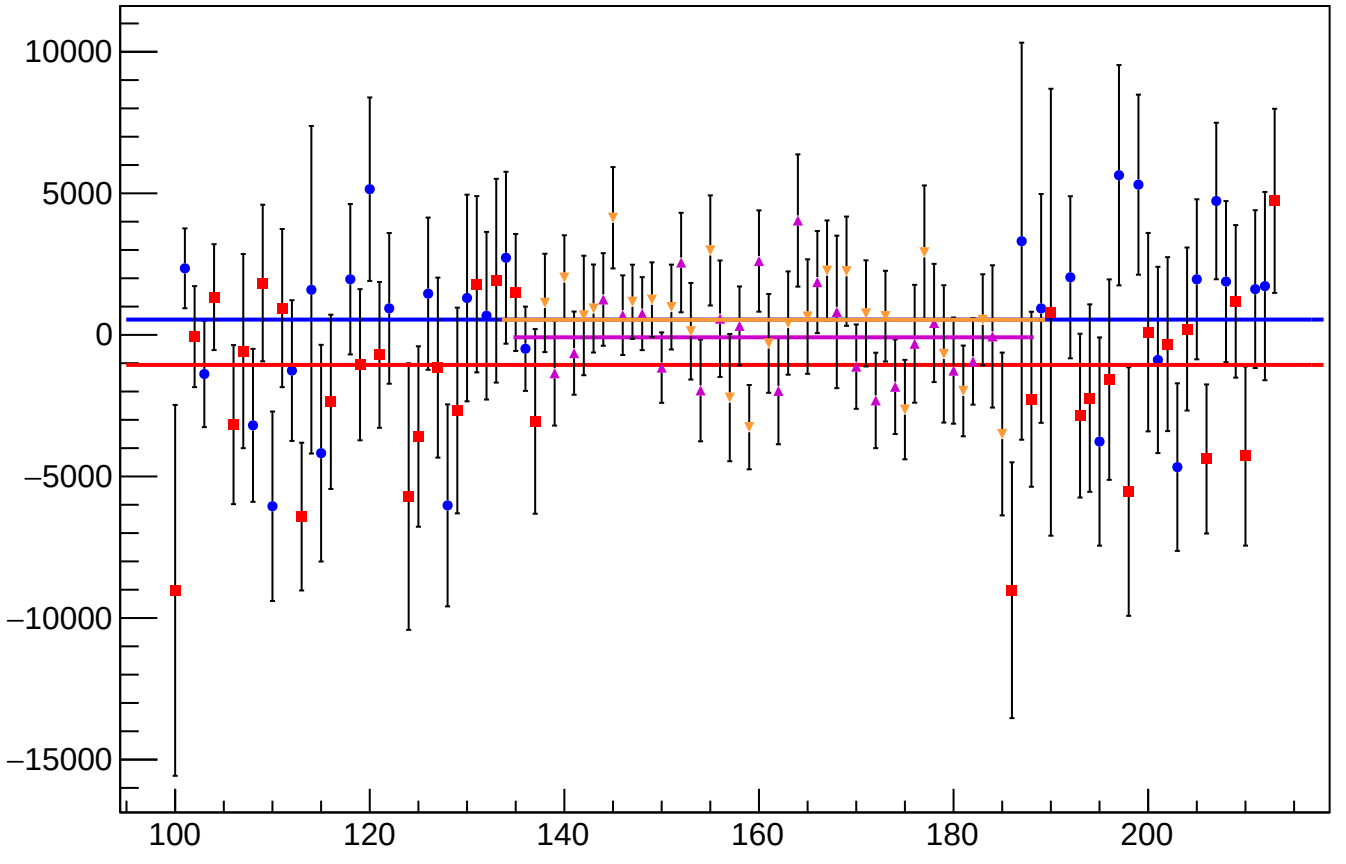
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1093.842+/-0.128 χ^2/NDF: 53130.1/61

In: 1091.828+/-0.129 χ^2/NDF:23236.7/51

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

All: 1093.523+/-0.090 χ^2/NDF: 60852.0/109



Right In: 540.618+/-508.622 χ^2/NDF: 29.6/28

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

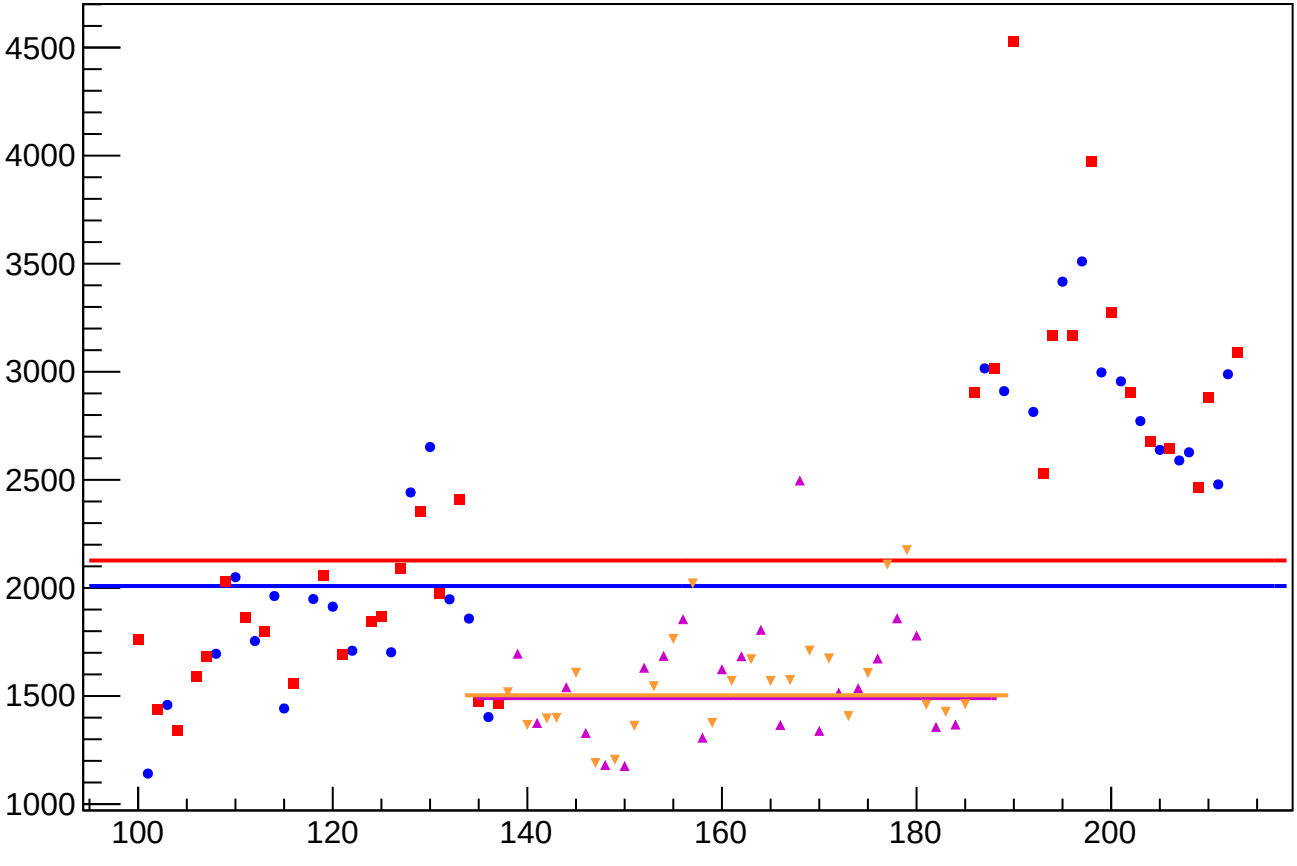
Right: -249.003+/-362.098 χ^2/NDF: 61.4/61

In: 118.886+/-290.516 χ^2/NDF:48.6/51

Out: 35.822+/-288.007 χ^2/NDF:60.0/57

All: 76.994+/-204.533 χ^2/NDF: 108.7/109

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 2008.873+/-0.360 χ^2/NDF: 3399348.6/28

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

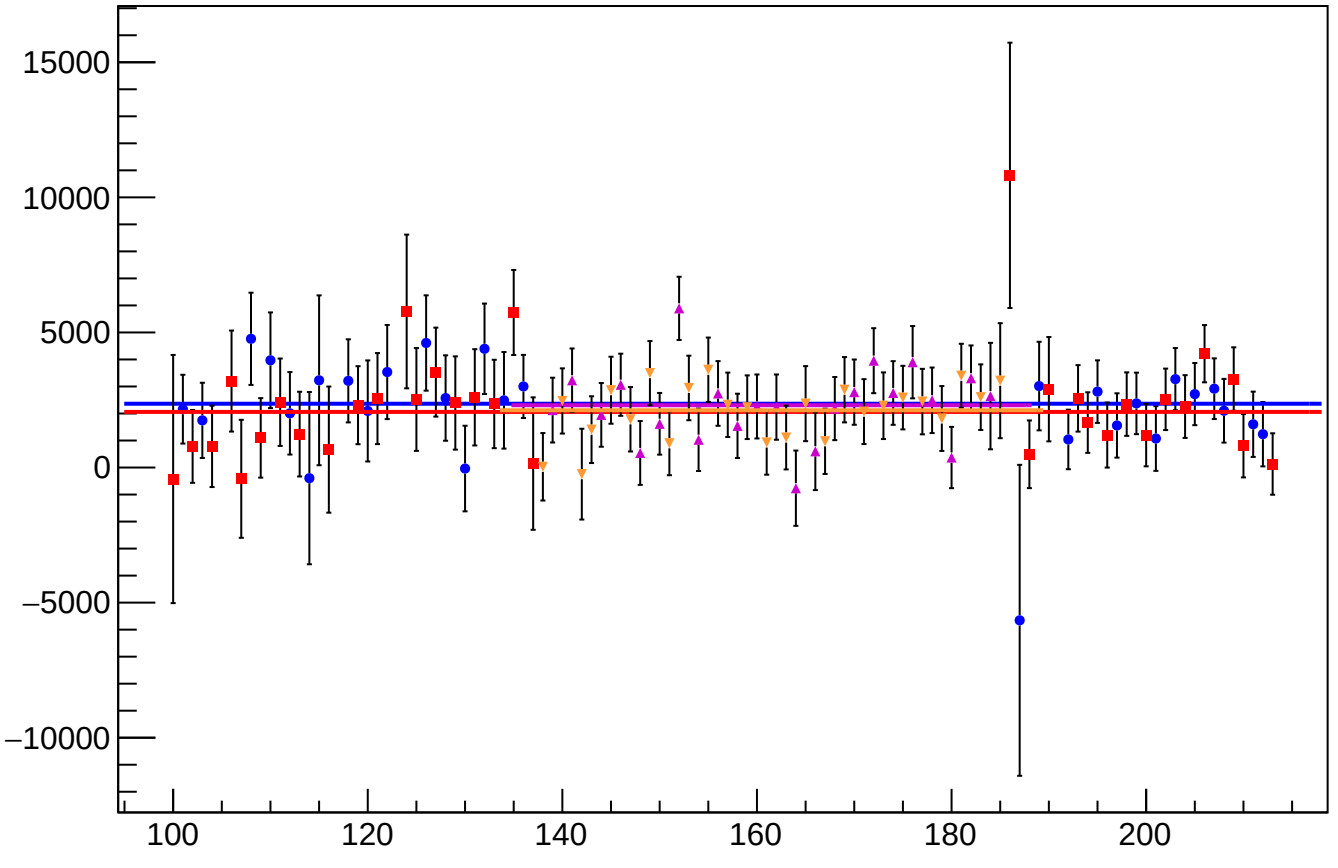
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2067.128+/-0.256 χ^2/NDF: 6710882.6/61

In: 1659.494+/-0.205 χ^2/NDF:5768231.6/51

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

All: 1678.907+/-0.145 χ^2/NDF: 11856377.6/1



Right In: 2361.634+/-262.217 χ^2/NDF: 18.0/28

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

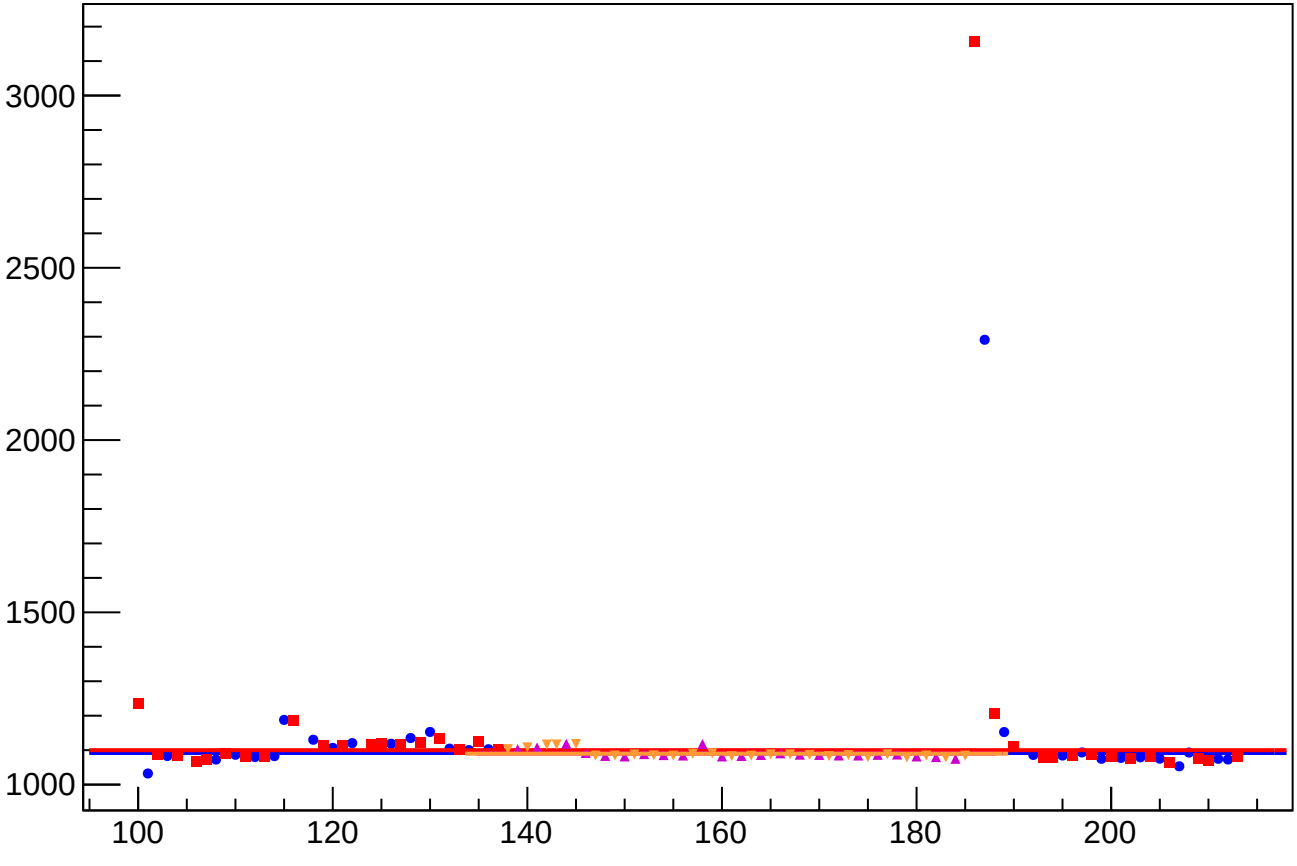
Right: 2206.039+/-182.861 χ^2/NDF: 48.1/61

In: 2332.683+/-182.625 χ^2/NDF:46.5/51

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

All: 2208.143+/-127.345 χ^2/NDF: 91.9/109

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1091.781+/-0.185 χ^2/NDF: 108288.4/28

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

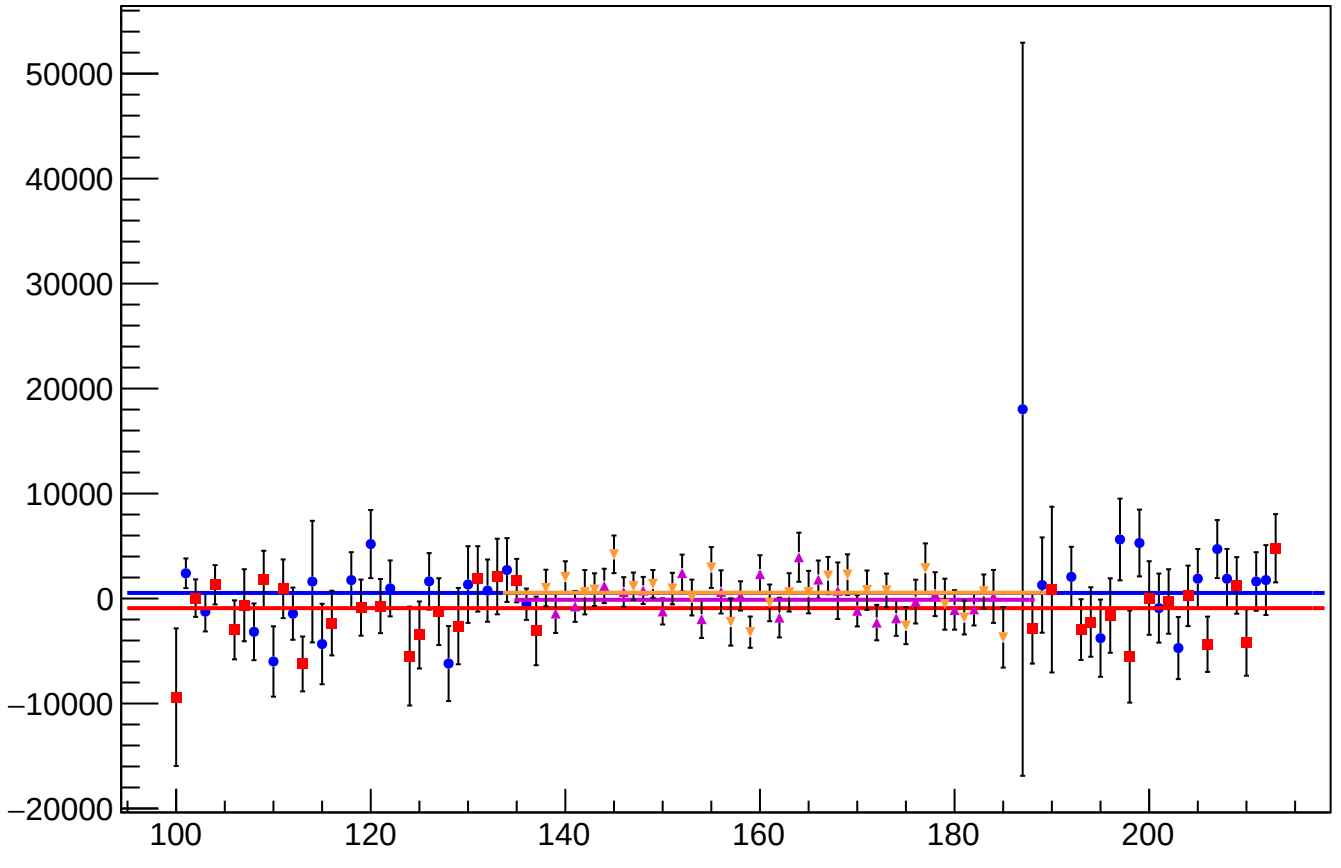
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1095.973+/-0.129 χ^2/NDF: 491548.3/61

In: 1090.845+/-0.129 χ^2/NDF:112233.8/51

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

All: 1092.820+/-0.090 χ^2/NDF: 500657.3/109



Right In: 530.426+/-511.222 χ^2/NDF: 30.0/28

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

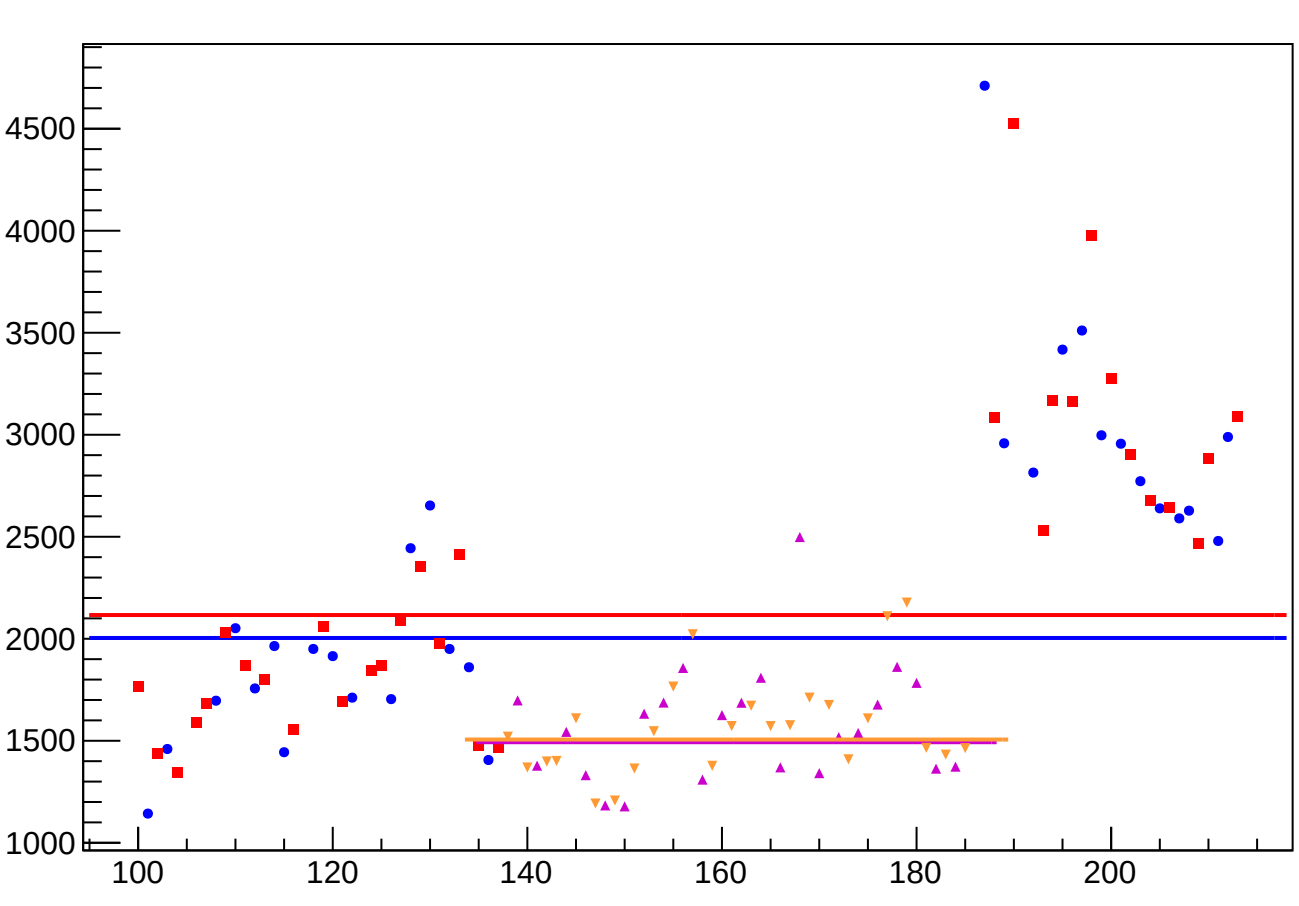
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -180.120+/-364.695 χ^2/NDF: 57.9/60

In: 90.276+/-291.336 χ^2/NDF:48.2/51

Out: 99.819+/-289.174 χ^2/NDF:55.7/56

All: 95.083+/-205.237 χ^2/NDF: 103.9/108



Right In: 2003.940+/-0.361 χ^2/NDF: 3346185.8/28

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

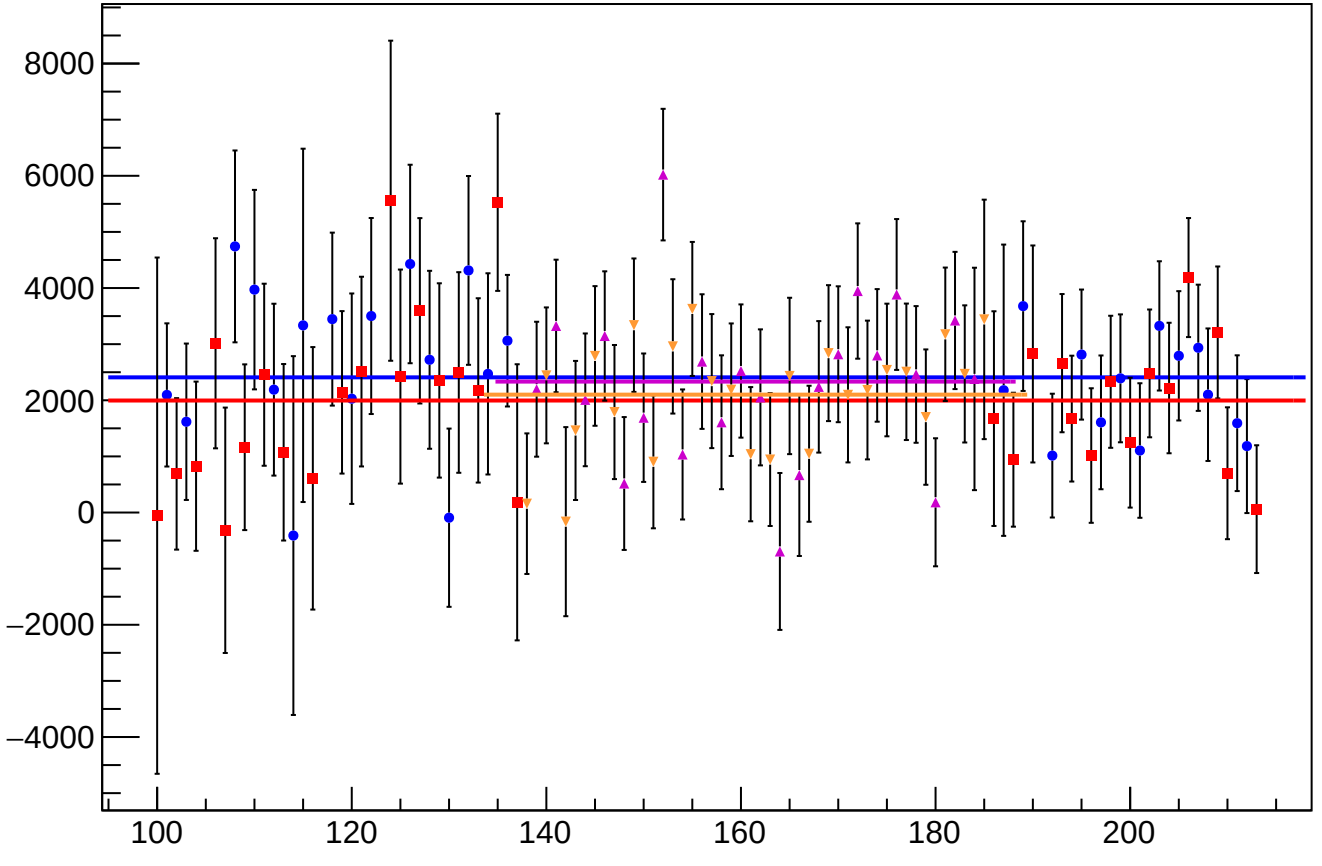
Right: 2059.130+/-0.258 χ^2/NDF: 6580199.9/60

In: 1658.919+/-0.206 χ^2/NDF:5659653.9/51

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

All: 1676.849+/-0.145 χ^2/NDF: 11558421.0/1

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2408.597+/-261.015 χ^2/NDF: 16.8/28

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

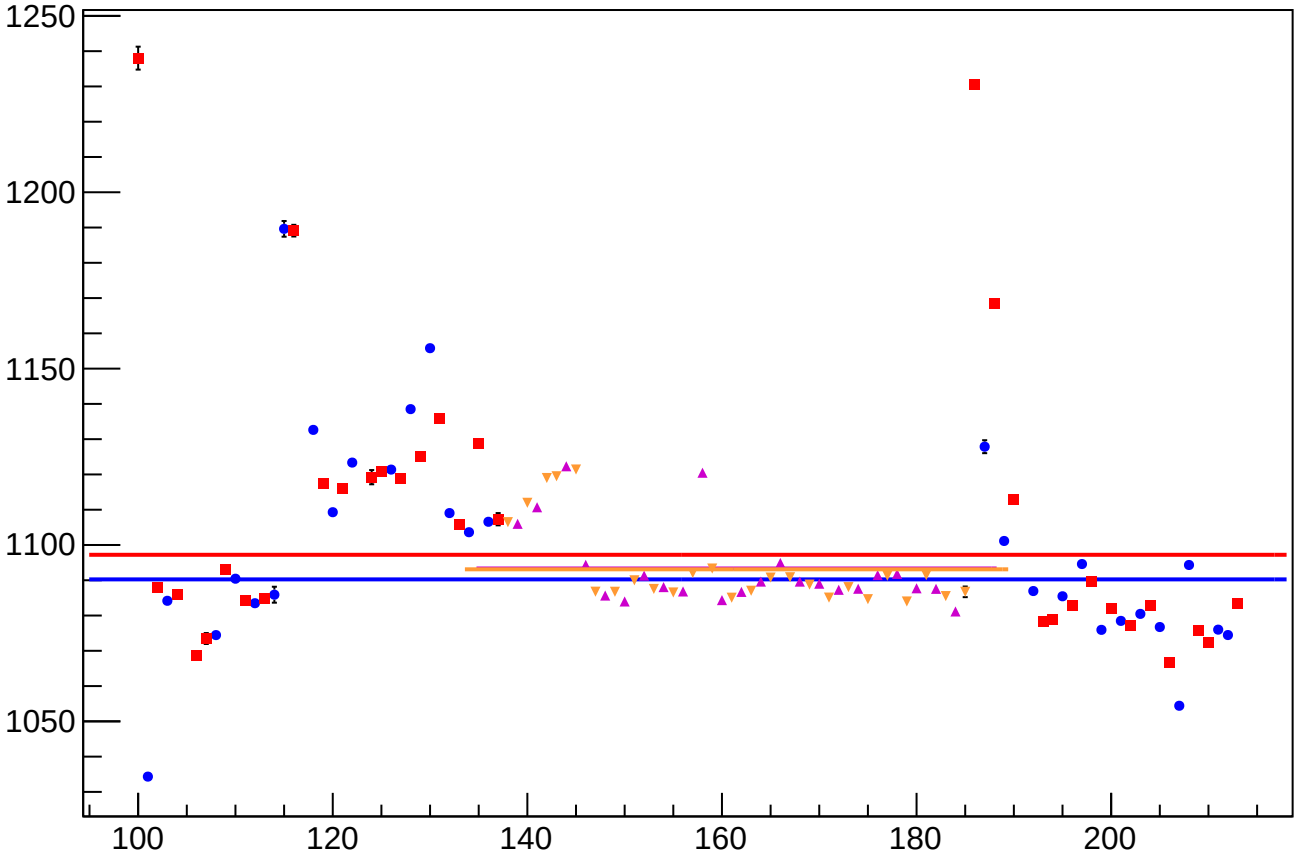
Right: 2195.825+/-181.683 χ^2/NDF: 42.9/61

In: 2369.936+/-182.506 χ^2/NDF:46.3/51

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

All: 2204.820+/-127.145 χ^2/NDF: 86.6/109

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1090.248+/-0.185 χ^2/NDF: 19367.7/28

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

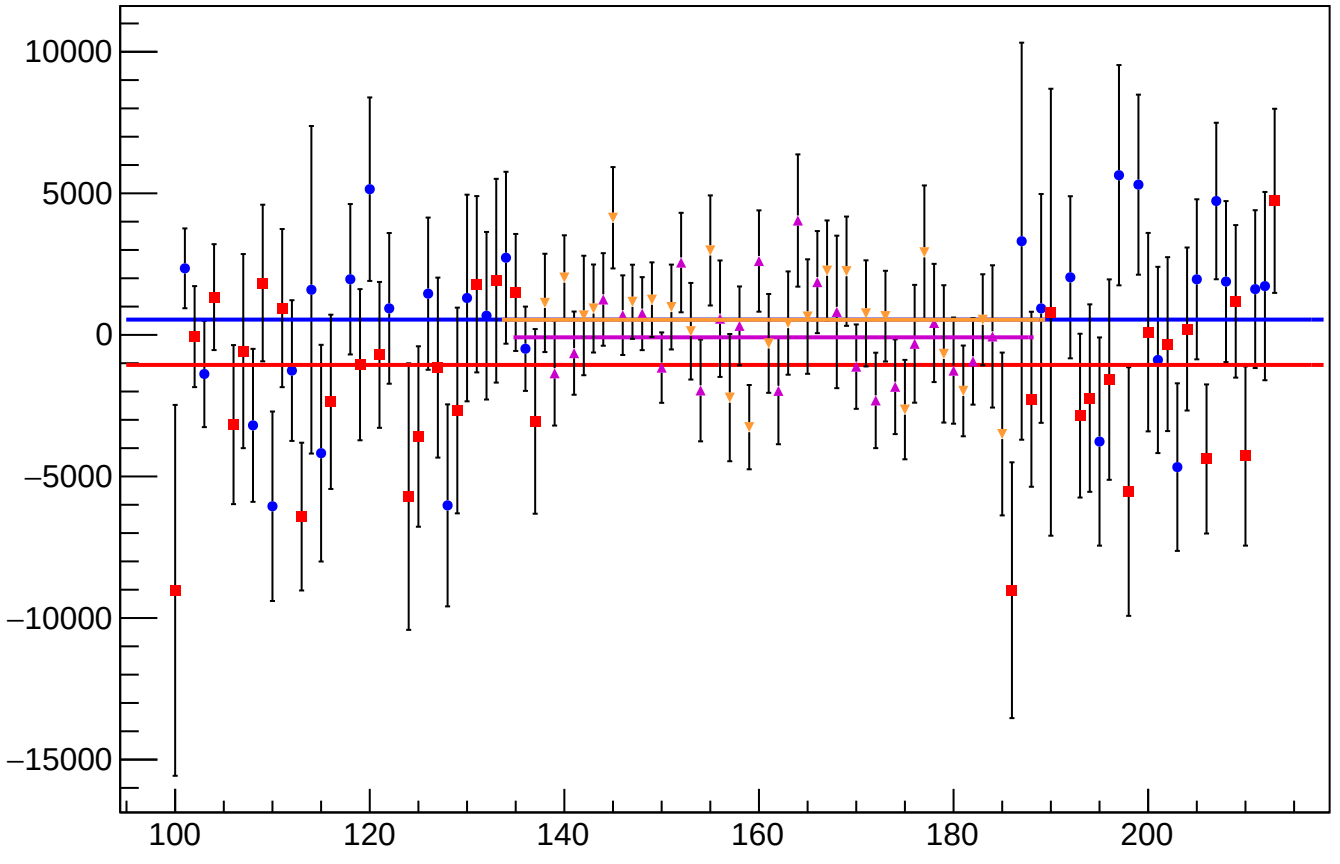
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1093.842+/-0.128 χ^2/NDF: 53130.1/61

In: 1091.828+/-0.129 χ^2/NDF:23236.7/51

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

All: 1093.523+/-0.090 χ^2/NDF: 60852.0/109



Right In: 540.618+/-508.622 χ^2/NDF: 29.6/28

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

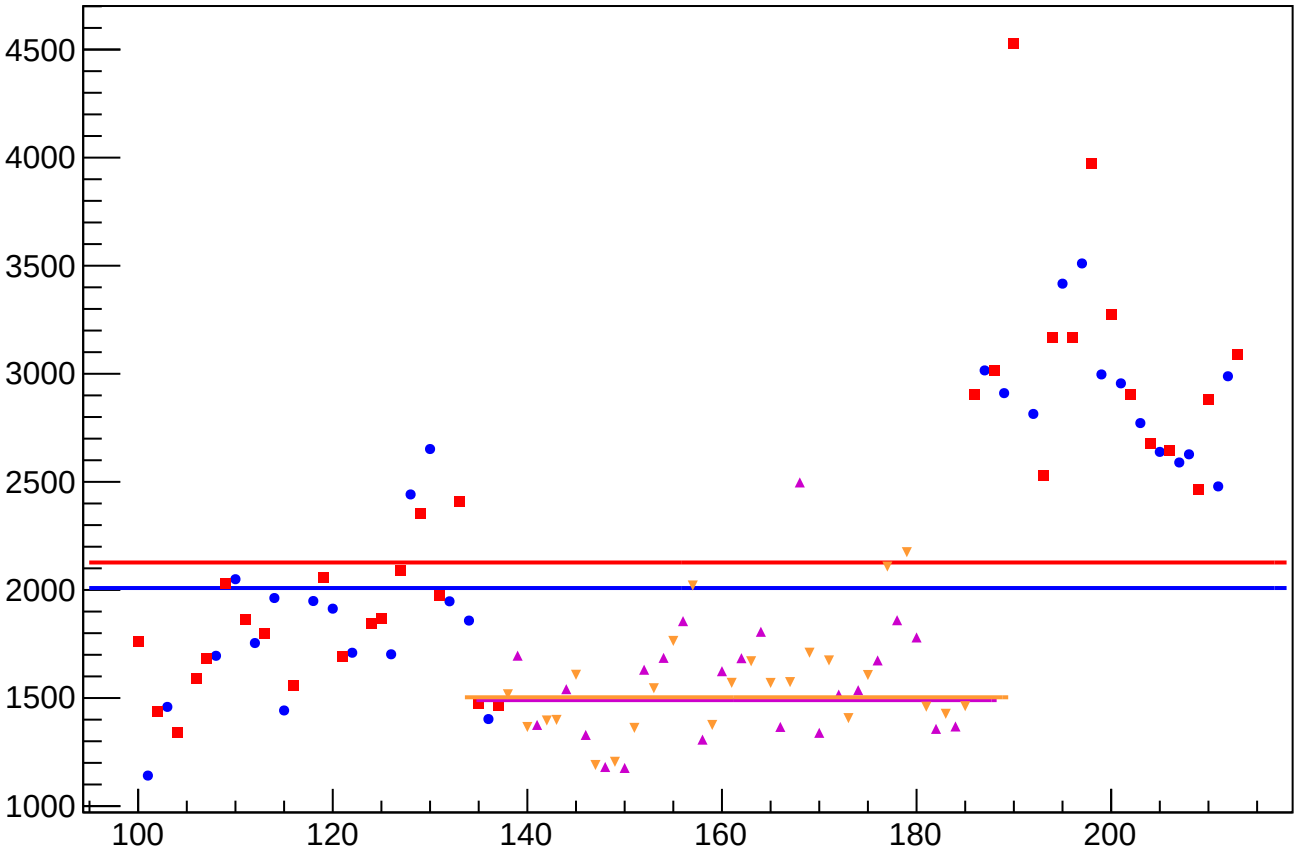
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -249.003+/-362.098 χ^2/NDF: 61.4/61

In: 118.886+/-290.516 χ^2/NDF:48.6/51

Out: 35.822+/-288.007 χ^2/NDF:60.0/57

All: 76.994+/-204.533 χ^2/NDF: 108.7/109



Right In: 2008.873+/-0.360 χ^2/NDF: 3399348.6/28

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

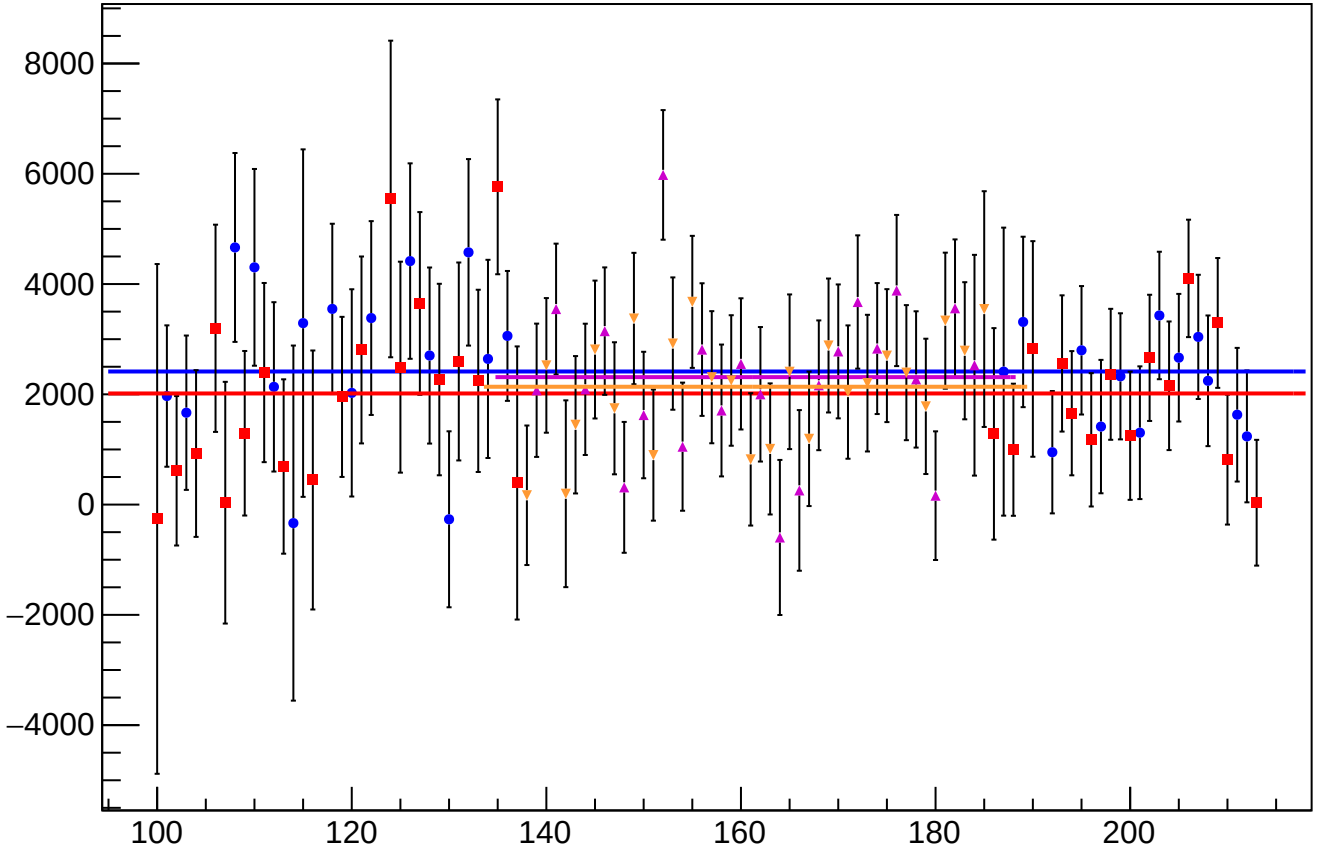
Right: 2067.128+/-0.256 χ^2/NDF: 6710882.6/61

In: 1659.494+/-0.205 χ^2/NDF:5768231.6/51

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

All: 1678.907+/-0.145 χ^2/NDF: 11856377.6/

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2414.028+/-262.330 χ^2/NDF: 17.3/28

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

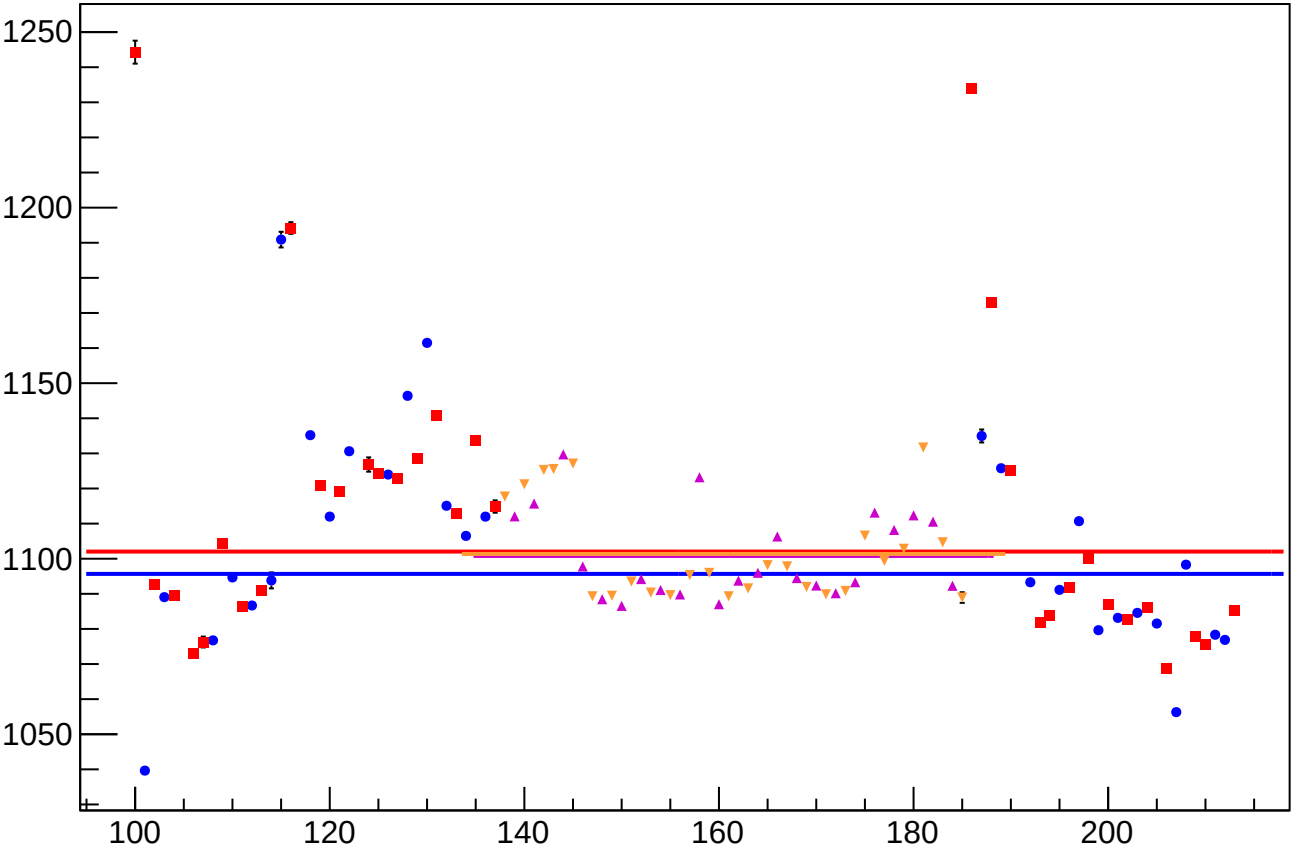
Right: 2208.535+/-182.550 χ^2/NDF: 43.7/61

In: 2361.852+/-183.595 χ^2/NDF:47.3/51

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

All: 2215.449+/-127.912 χ^2/NDF: 87.8/109

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1095.673+/-0.185 χ^2/NDF: 20910.3/28

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

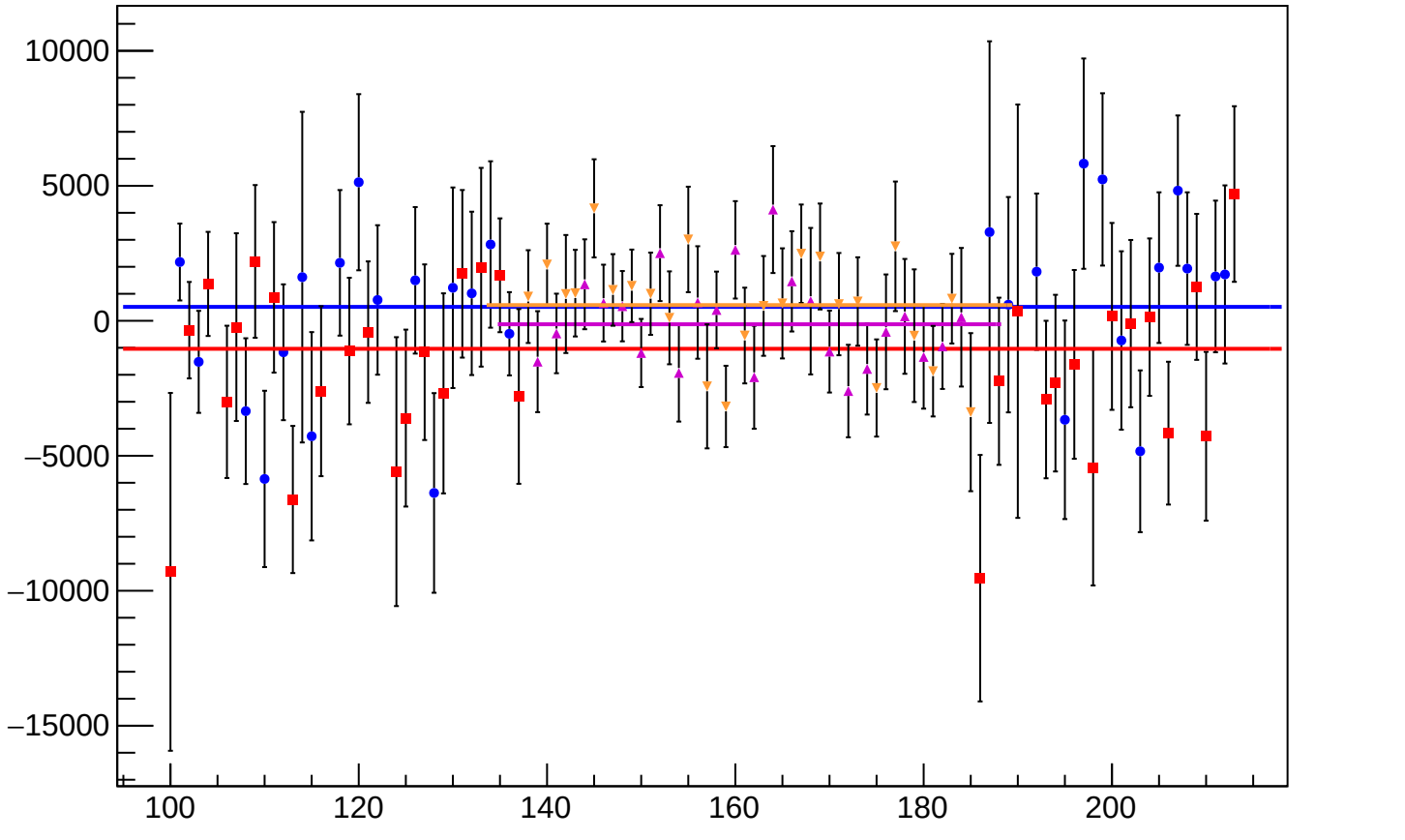
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1098.952+/-0.129 χ^2/NDF: 54858.6/61

In: 1098.285+/-0.130 χ^2/NDF:25940.6/51

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

All: 1100.036+/-0.090 χ^2/NDF: 65594.2/109



Right In: 514.768+/-514.360 χ^2/NDF: 29.7/28

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

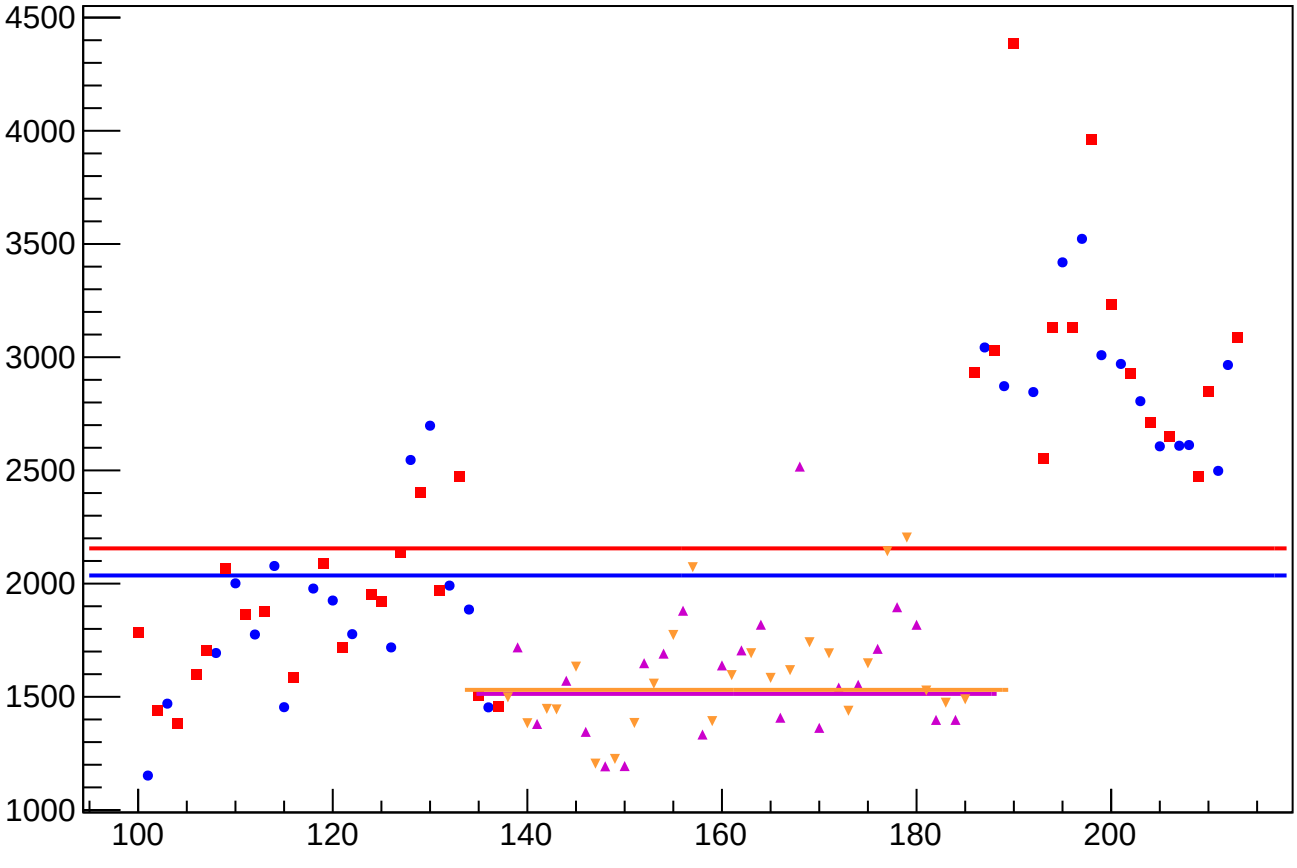
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -251.004+/-366.150 χ^2/NDF: 61.2/61

In: 82.135+/-294.458 χ^2/NDF:48.6/51

Out: 71.688+/-292.519 χ^2/NDF:59.1/57

All: 76.877+/-207.524 χ^2/NDF: 107.6/109



Right In: 2035.961+/-0.364 χ^2/NDF: 3291769.6/28

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

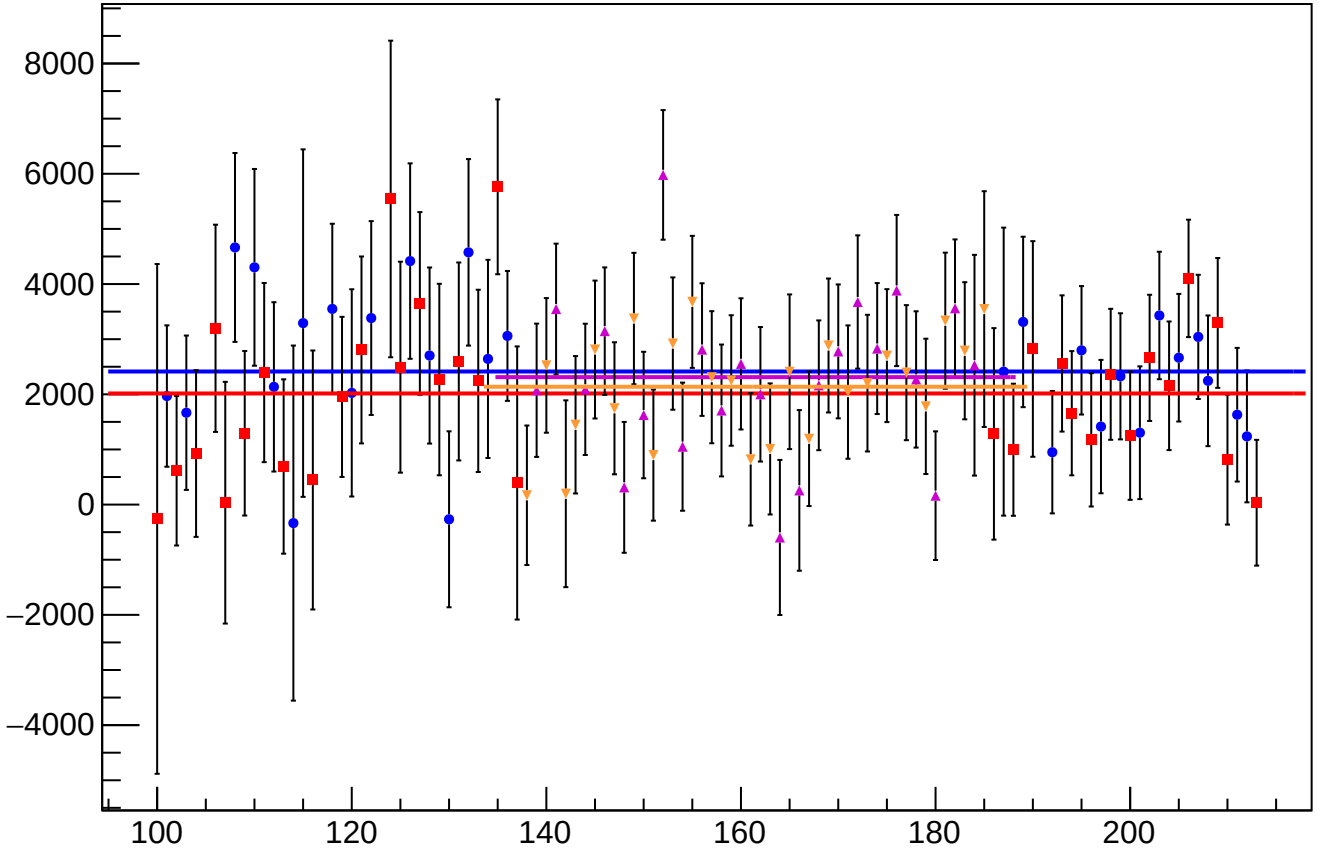
Right: 2094.985+/-0.259 χ^2/NDF: 6451840.2/61

In: 1684.352+/-0.208 χ^2/NDF:5639000.2/51

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

All: 1706.061+/-0.147 χ^2/NDF: 11531489.4/

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2414.029+/-262.330 χ^2/NDF: 17.3/28

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

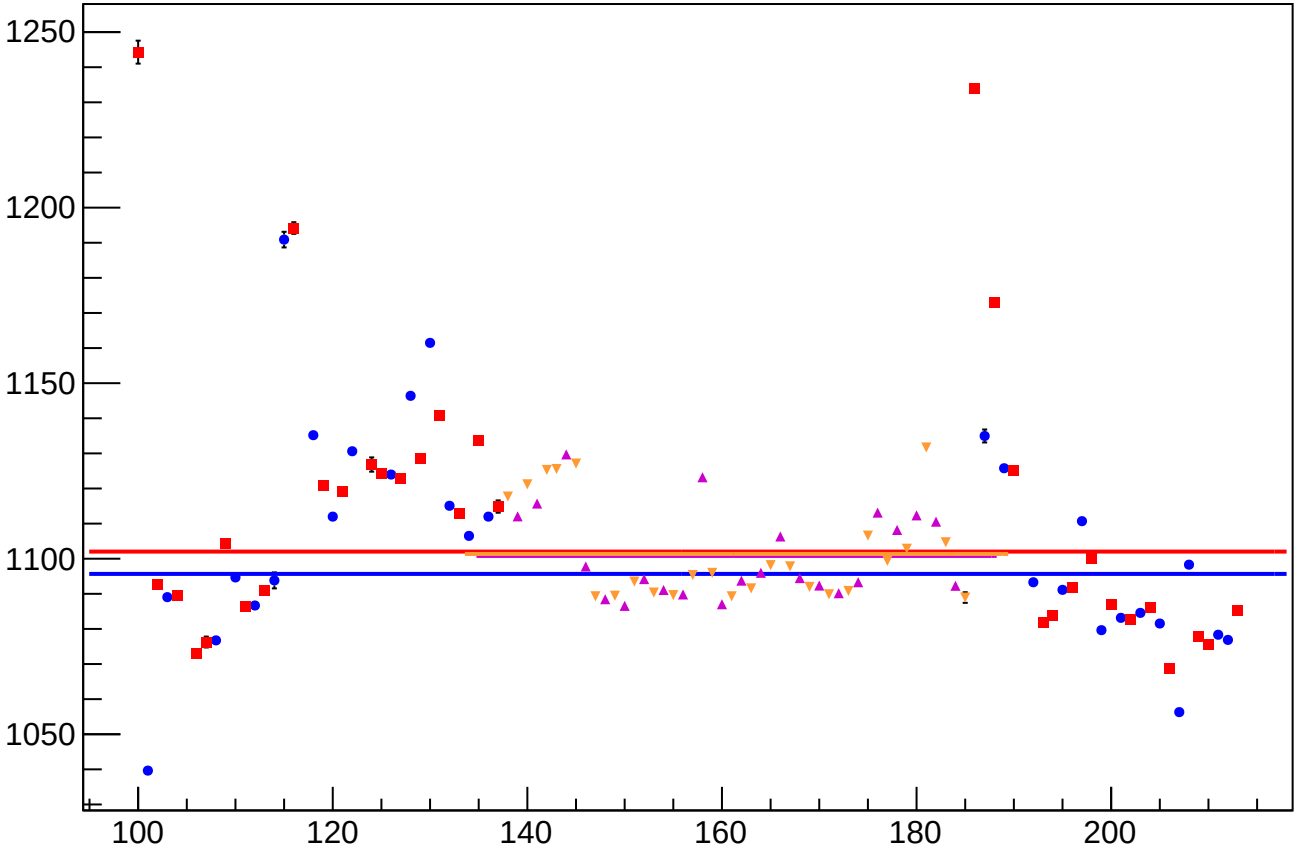
Right: 2208.535+/-182.550 χ^2/NDF: 43.7/61

In: 2361.852+/-183.595 χ^2/NDF:47.3/51

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

All: 2215.449+/-127.912 χ^2/NDF: 87.8/109

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1095.673+/-0.185 χ^2/NDF: 20910.2/28

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

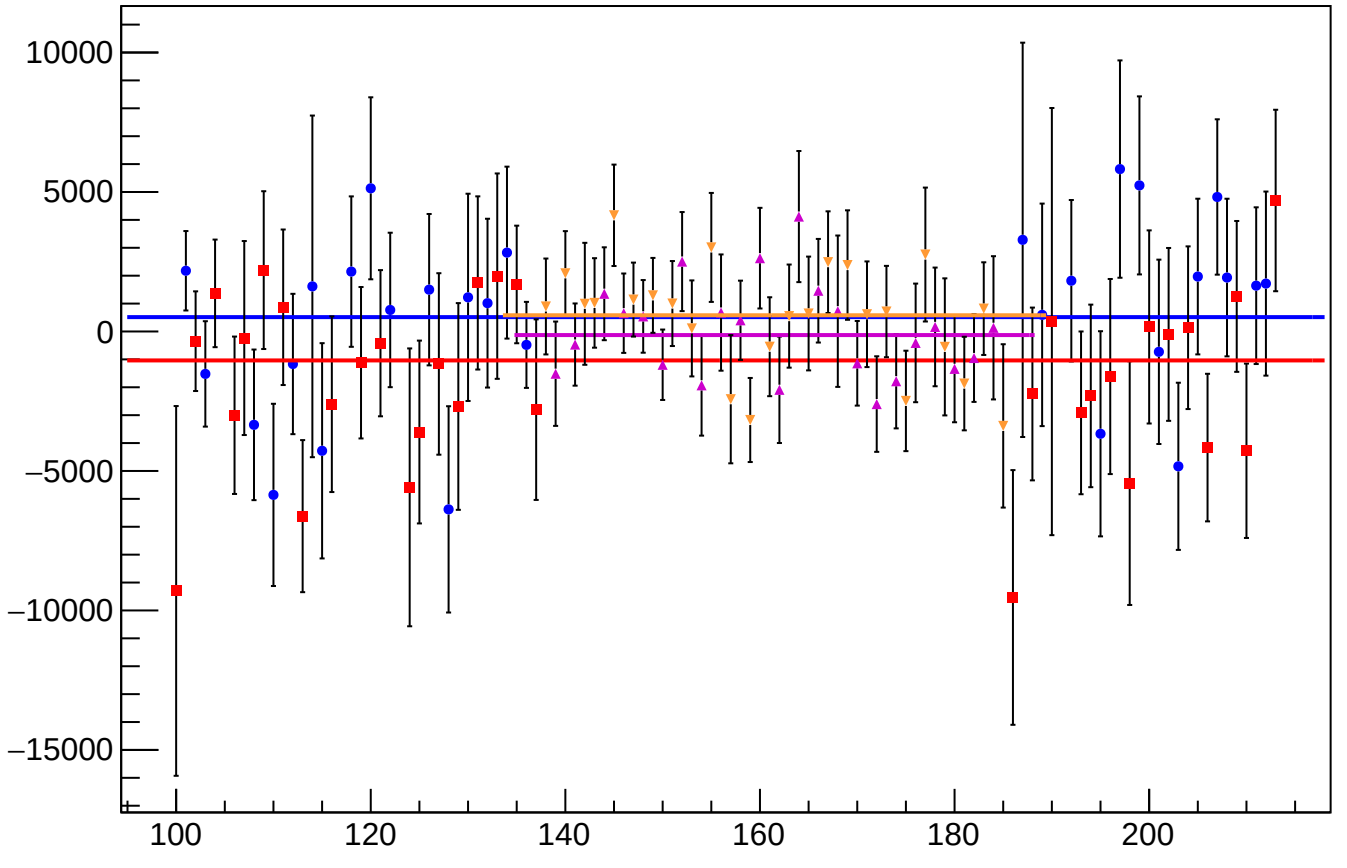
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1098.952+/-0.129 χ^2/NDF: 54858.4/61

In: 1098.285+/-0.130 χ^2/NDF:25940.5/51

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

All: 1100.036+/-0.090 χ^2/NDF: 65593.9/109



Right In: 514.764+/-514.360 χ^2/NDF: 29.7/28

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

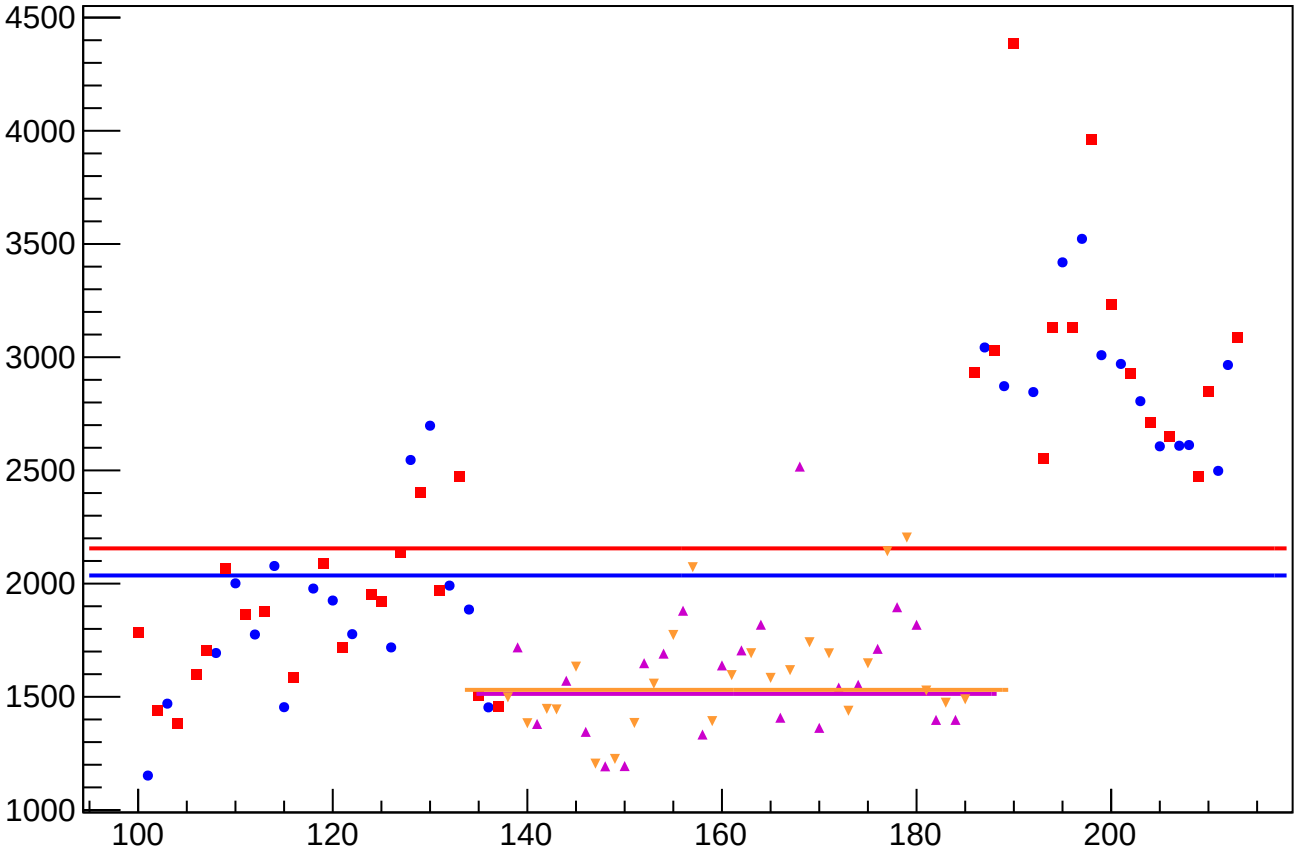
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -251.006+/-366.150 χ^2/NDF: 61.2/61

In: 82.134+/-294.458 χ^2/NDF:48.6/51

Out: 71.685+/-292.519 χ^2/NDF:59.1/57

All: 76.875+/-207.524 χ^2/NDF: 107.6/109



Right In: 2035.959+/-0.364 χ^2/NDF: 3291780.0/28

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

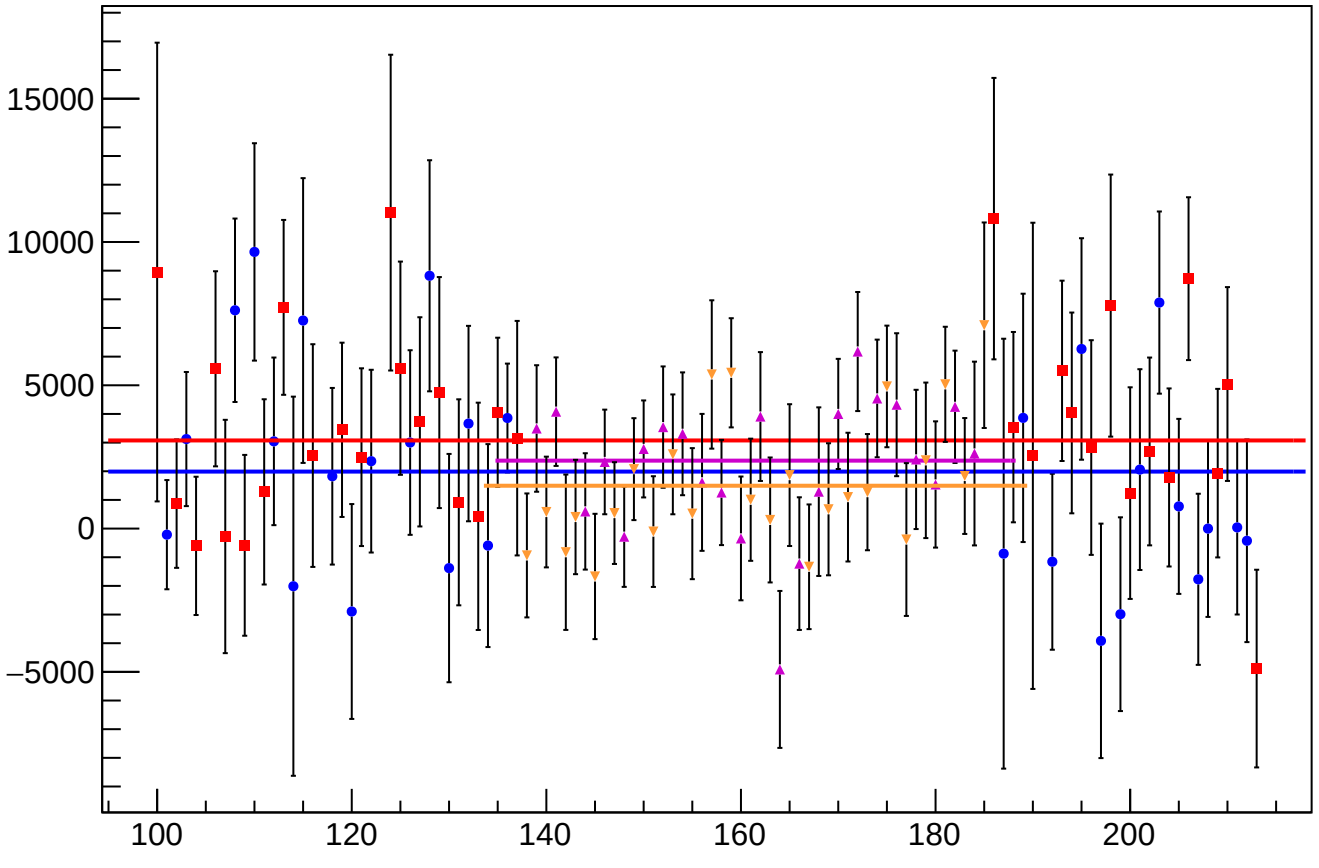
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 2094.983+/-0.259 χ^2/NDF: 6451851.3/61

In: 1684.355+/-0.208 χ^2/NDF:5638987.4/51

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

All: 1706.064+/-0.147 χ^2/NDF: 11531447.1/1



Right In: 1988.775+/-594.503 χ^2/NDF: 30.9/28

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

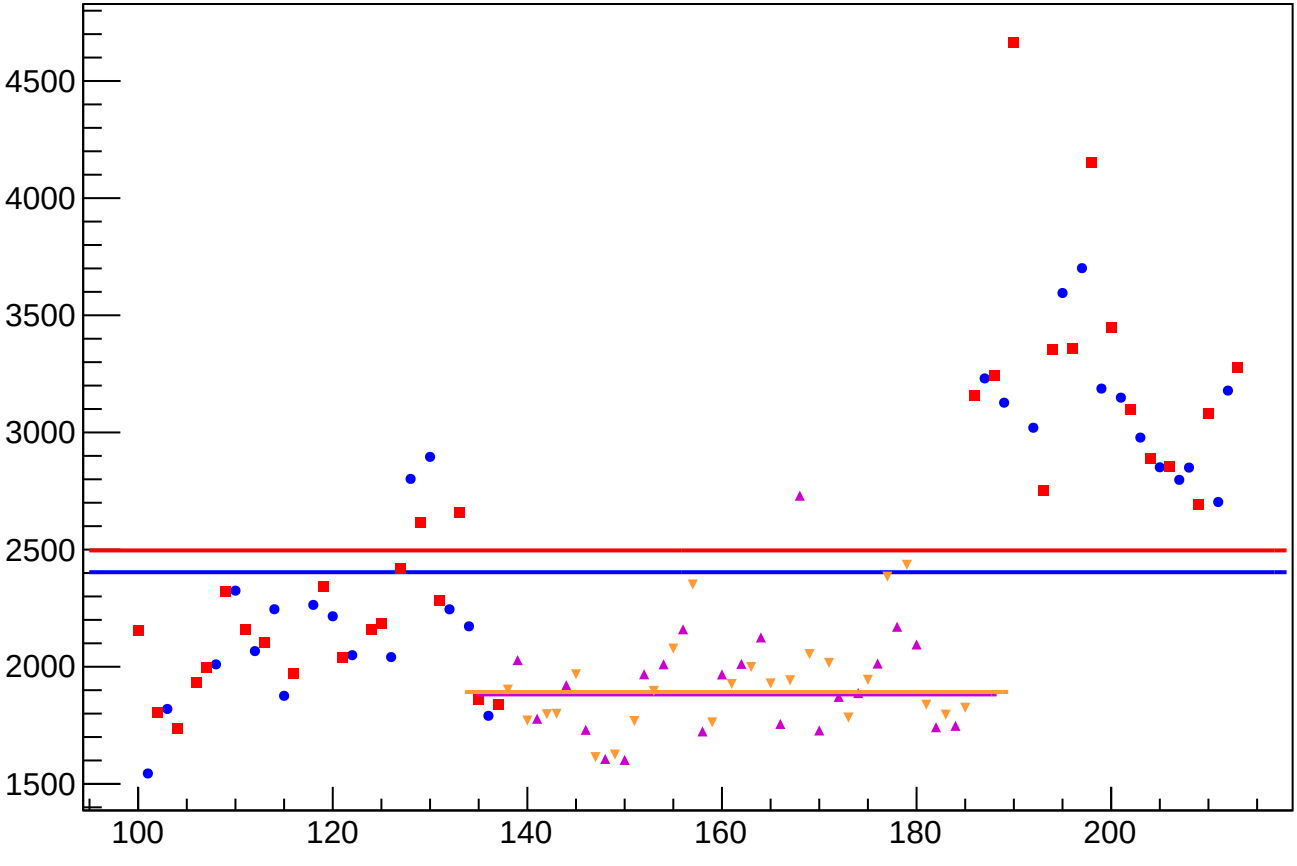
Right: 2532.507+/-420.152 χ^2/NDF: 59.7/61

In: 2234.359+/-355.199 χ^2/NDF:54.8/51

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

All: 2137.655+/-249.297 χ^2/NDF: 110.6/109

asym_usr_rms vs Slug, Sign Corrected



Right In: 2403.515+/-0.420 χ^2/NDF: 1993607.2/28

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

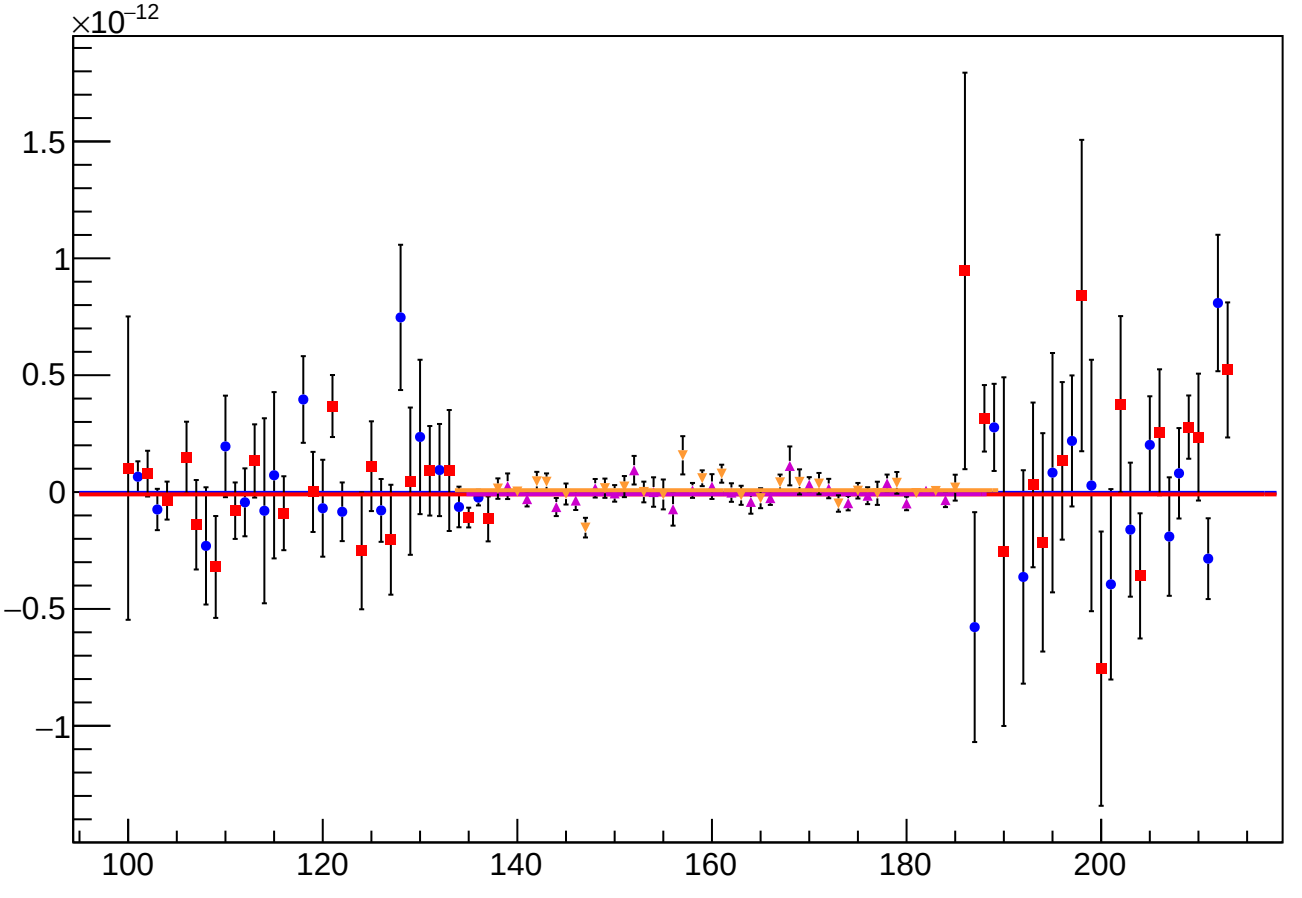
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2450.041+/-0.297 χ^2/NDF: 4063795.0/61

In: 2068.097+/-0.251 χ^2/NDF:3446334.8/51

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

All: 2085.303+/-0.176 χ^2/NDF: 7242843.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 34.7/28

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

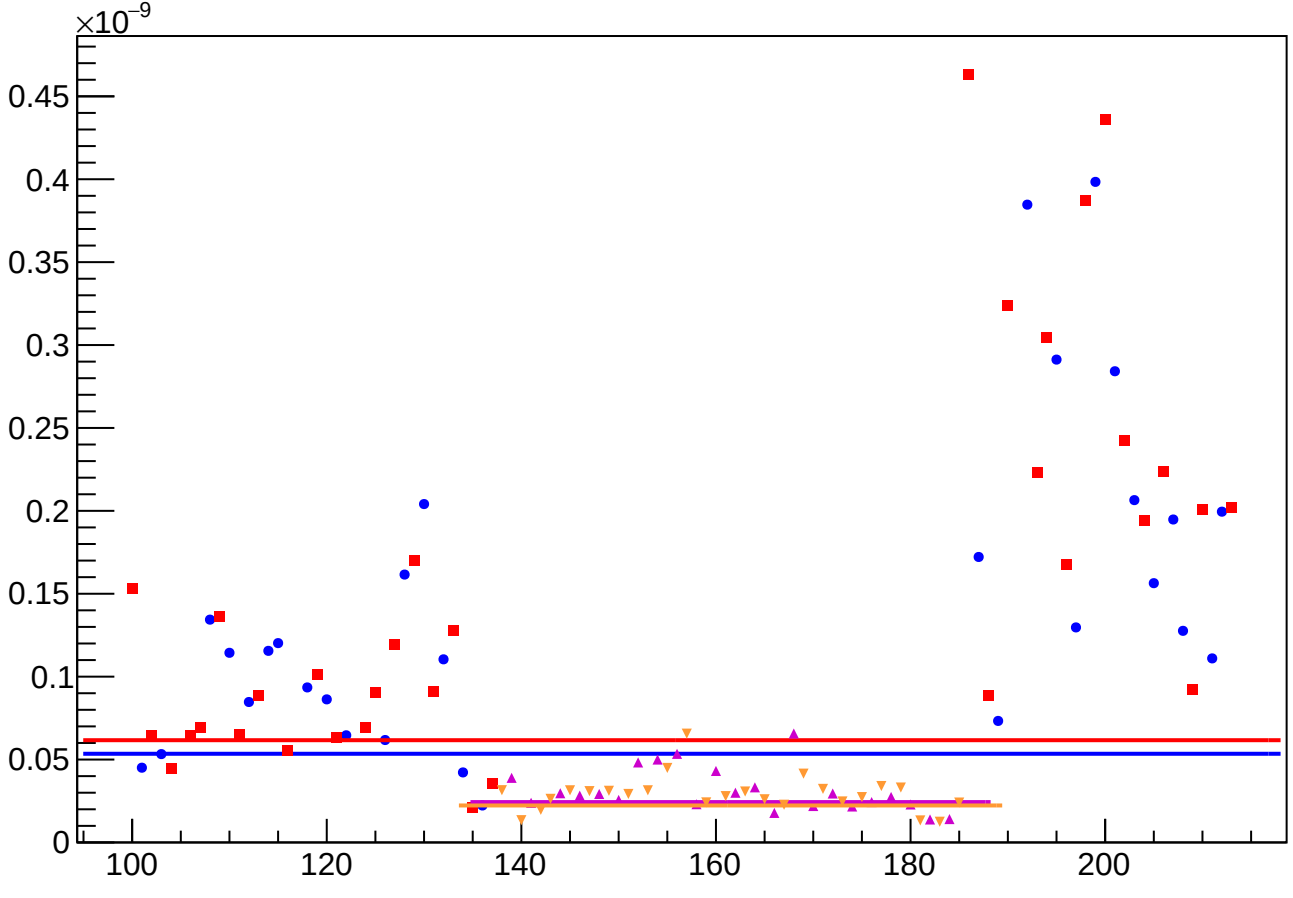
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 80.6/61

In: -0.000+/-0.000 χ^2/NDF:53.8/51

Out: 0.000+/-0.000 χ^2/NDF:78.7/57

All: -0.000+/-0.000 χ^2/NDF: 135.0/109



Right In: 0.000+/-0.000 χ^2/NDF: 9297230.7/28

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

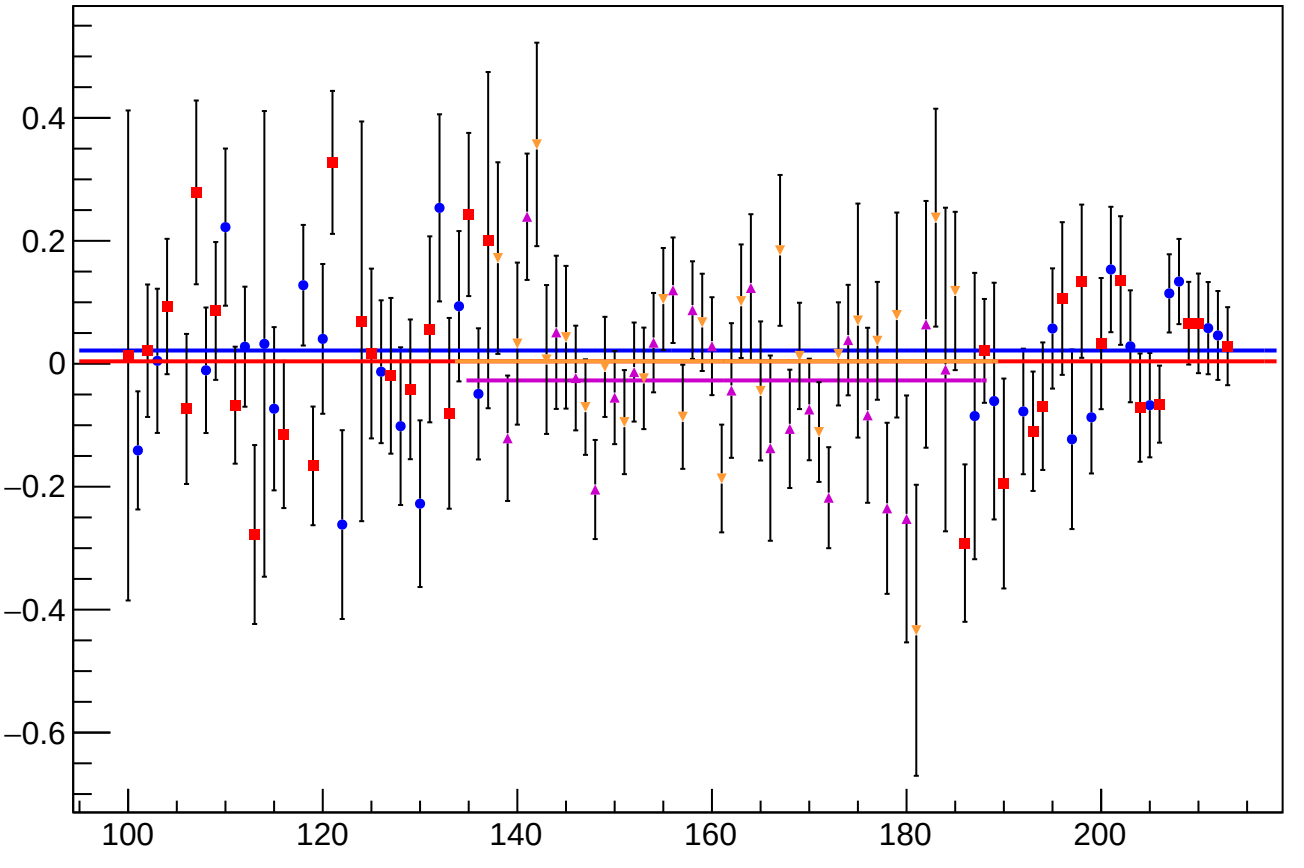
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 18489275.4/61

In: 0.000+/-0.000 χ^2/NDF:15311400.8/51

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

All: 0.000+/-0.000 χ^2/NDF: 32625713.8/109



Right In: 0.022+/-0.019 χ^2/NDF: 29.8/28

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

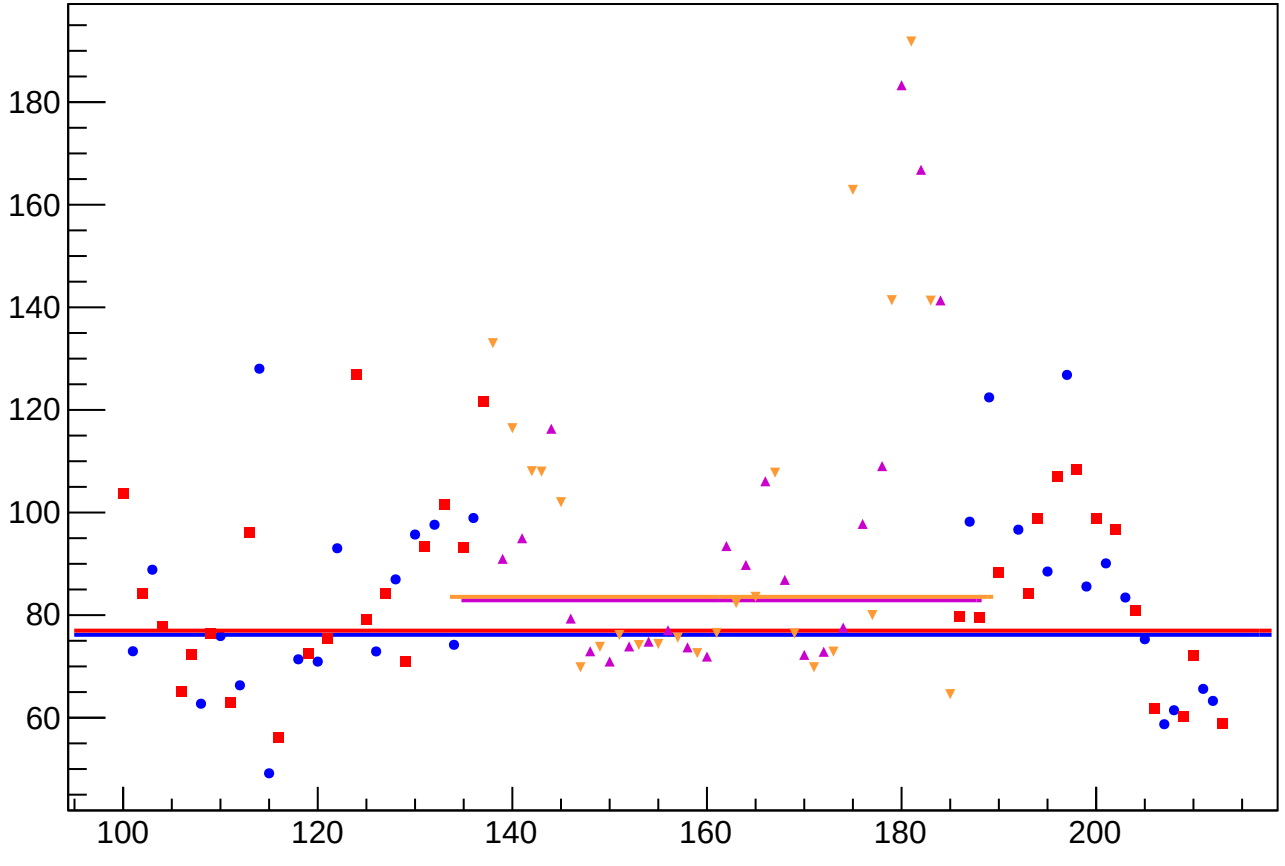
Right: 0.012+/-0.013 χ^2/NDF: 71.4/61

In: -0.001+/-0.014 χ^2/NDF:64.7/51

Out: 0.004+/-0.014 χ^2/NDF:69.3/57

All: 0.001+/-0.010 χ^2/NDF: 134.1/109

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 76.167+/-0.014 χ^2/NDF: 1322860.0/28

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

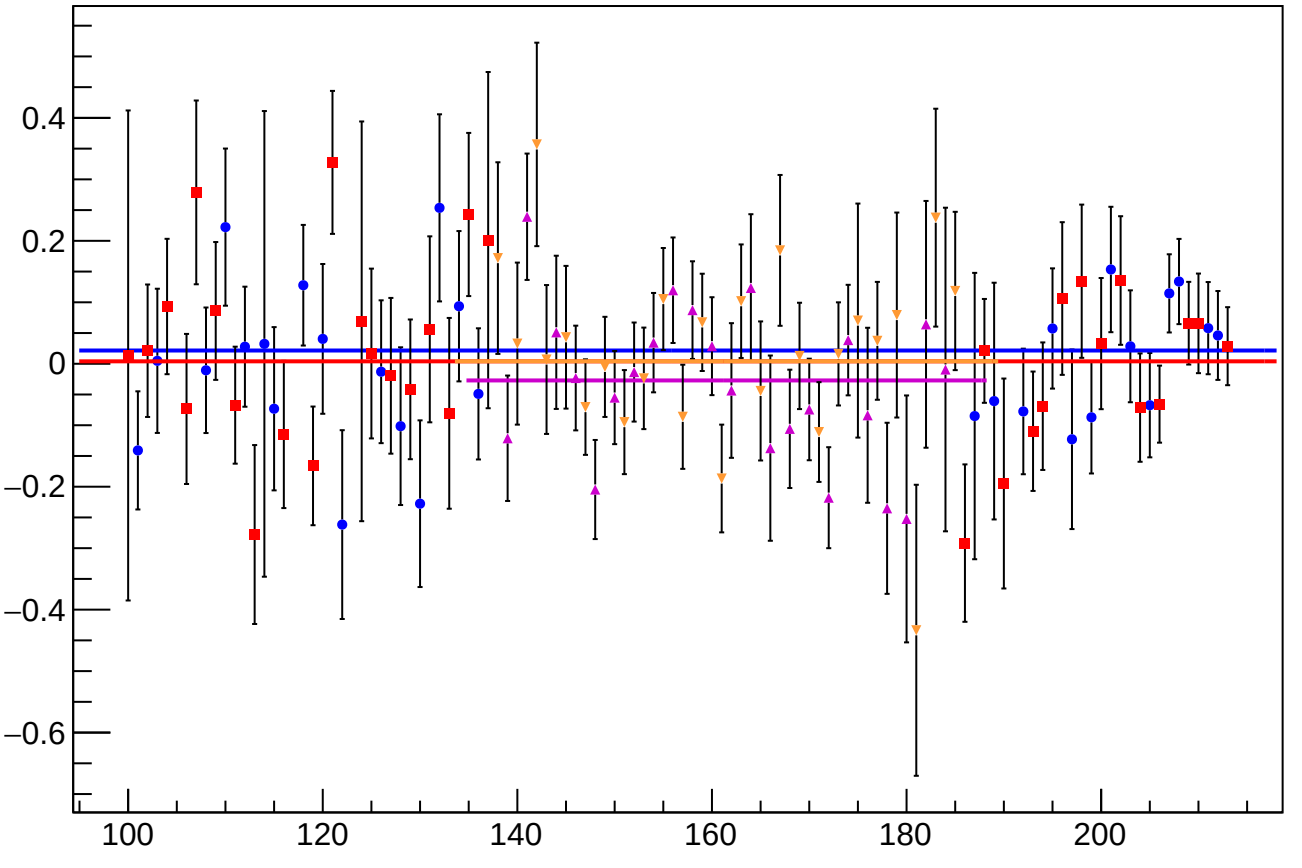
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 76.585+/-0.009 χ^2/NDF: 2648812.5/61

In: 79.309+/-0.010 χ^2/NDF:3009912.4/51

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

All: 79.657+/-0.007 χ^2/NDF: 6623650.5/109



Right In: 0.022+/-0.019 χ^2/NDF: 29.8/28

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

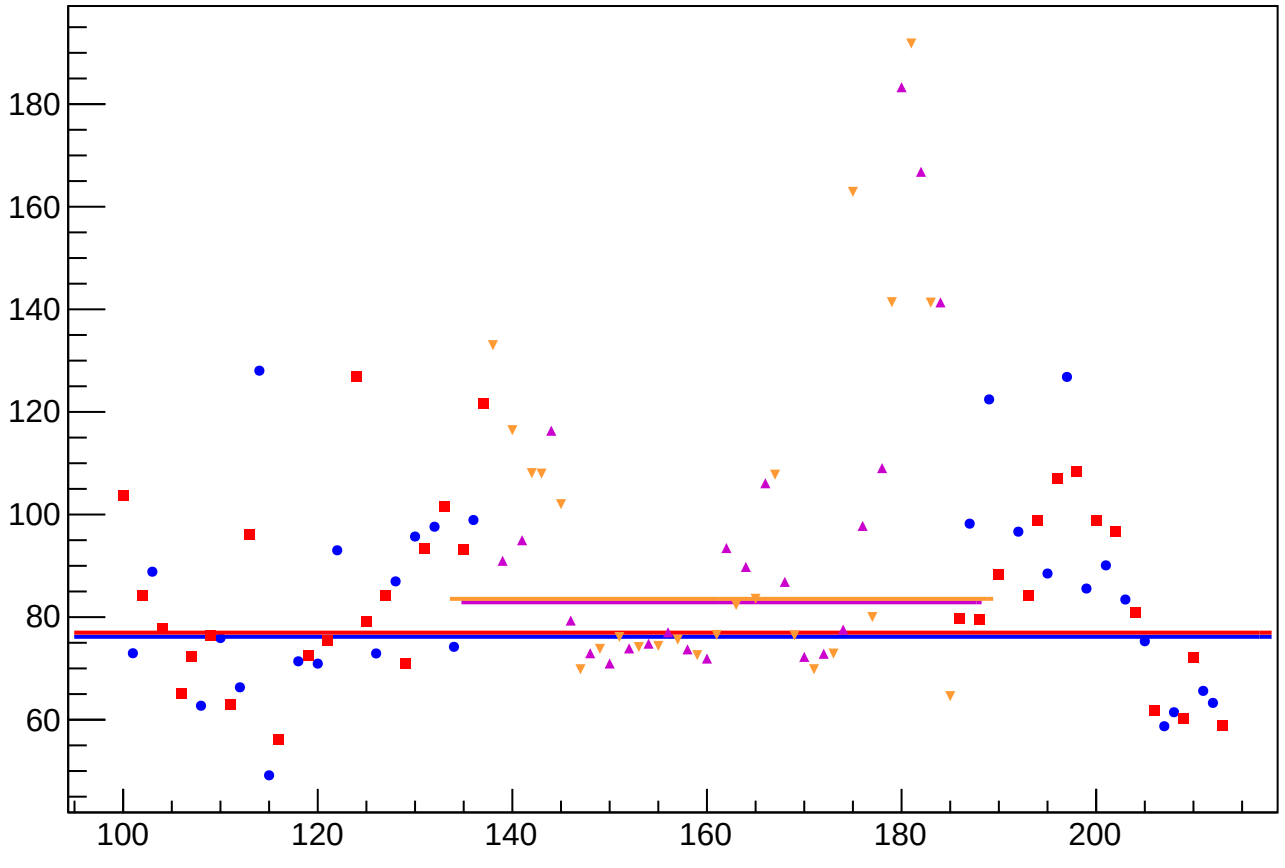
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.012+/-0.013 χ^2/NDF: 71.4/61

In: -0.001+/-0.014 χ^2/NDF:64.7/51

Out: 0.004+/-0.014 χ^2/NDF:69.3/57

All: 0.001+/-0.010 χ^2/NDF: 134.1/109



Right In: 76.167+/-0.014 χ^2/NDF: 1322860.0/28

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

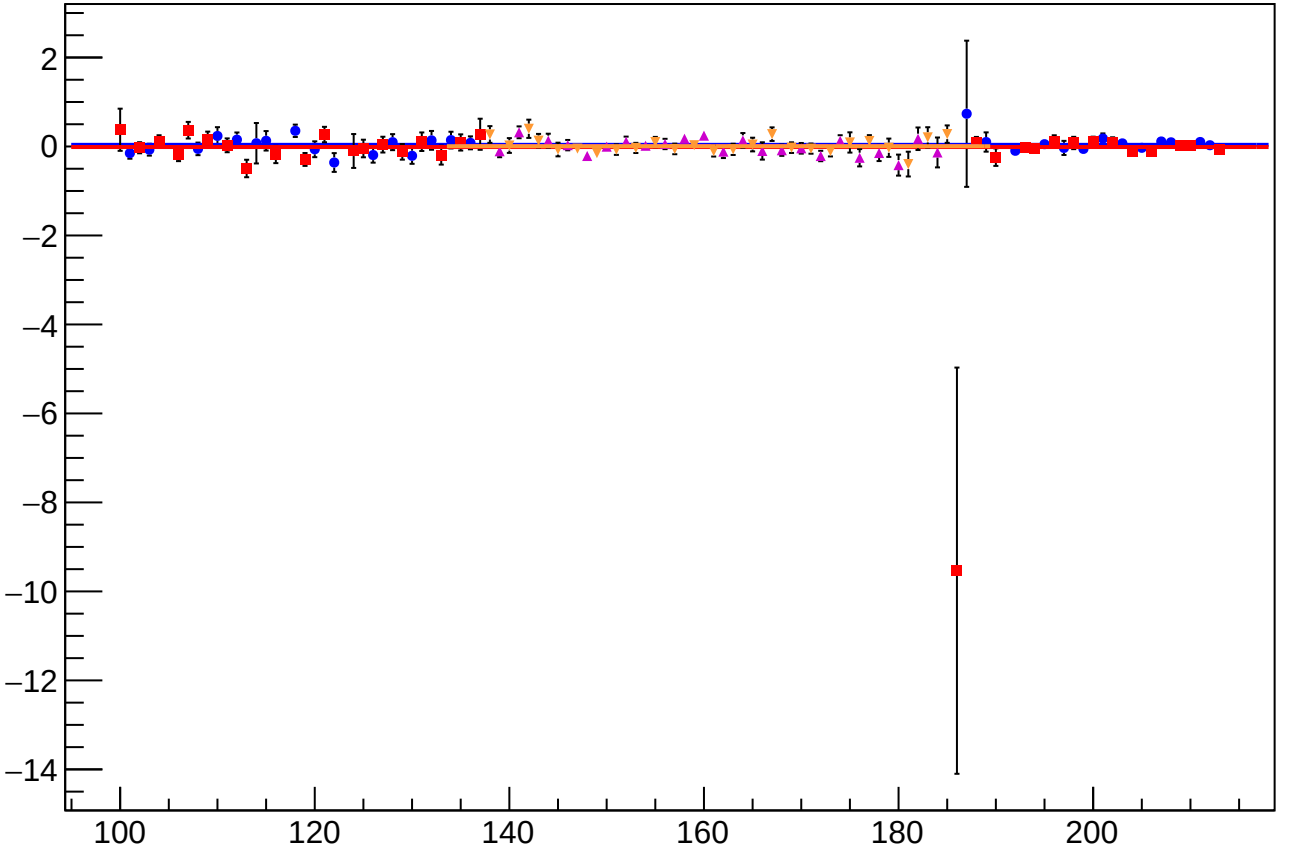
Right: 76.585+/-0.009 χ^2/NDF: 2648812.5/61

In: 79.309+/-0.010 χ^2/NDF:3009912.4/51

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

All: 79.657+/-0.007 χ^2/NDF: 6623650.5/109

asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.025 χ^2/NDF: 24.8/28

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

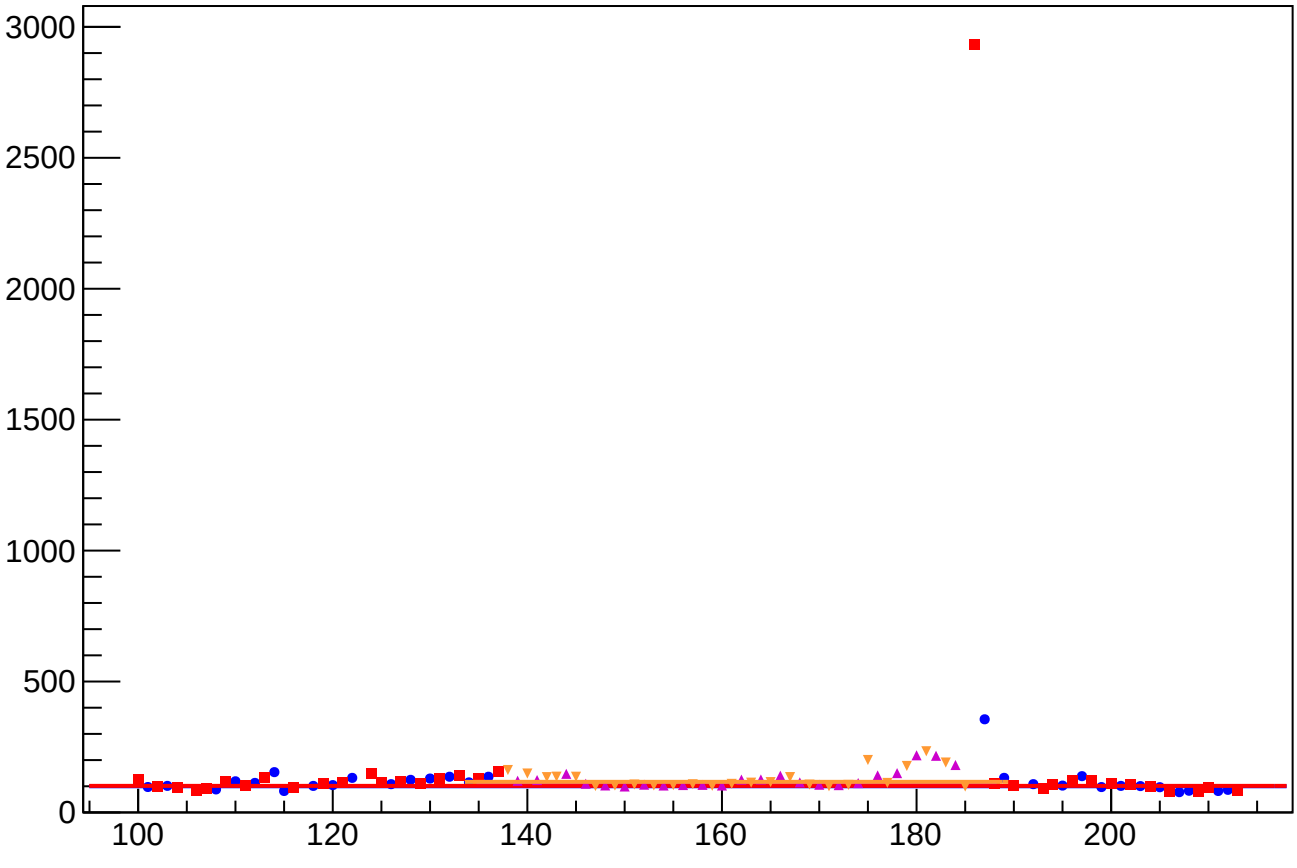
Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

Right: 0.012+/-0.017 χ^2/NDF: 63.2/61

In: 0.025+/-0.019 χ^2/NDF:56.7/51

Out: -0.004+/-0.018 χ^2/NDF:57.9/57

All: 0.010+/-0.013 χ^2/NDF: 115.8/109



Right In: 99.993+/-0.018 χ^2/NDF: 982325.1/28

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

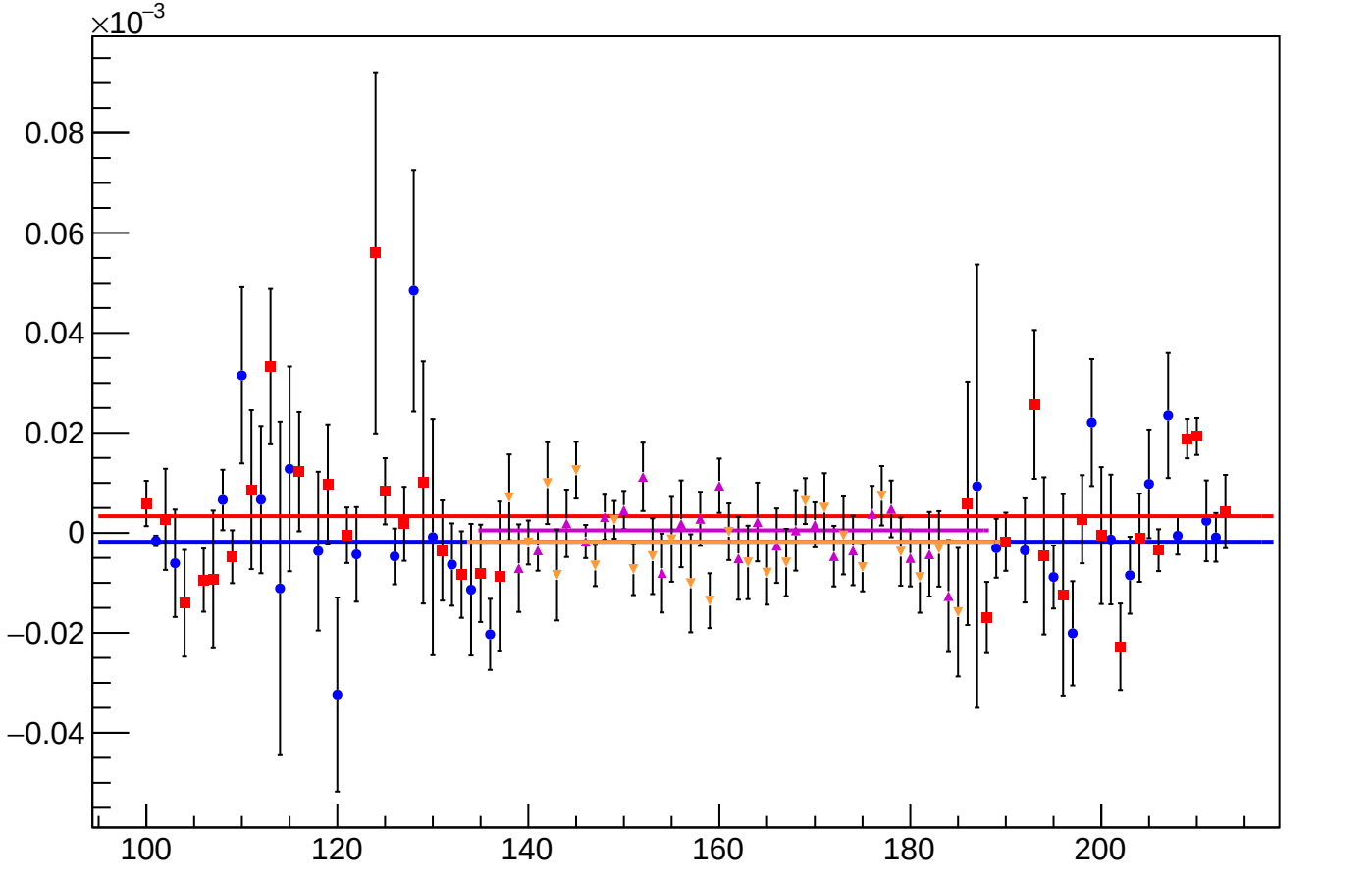
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 100.765+/-0.012 χ^2/NDF: 2612889.4/61

In: 106.978+/-0.013 χ^2/NDF:2568894.3/51

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

All: 107.608+/-0.009 χ^2/NDF: 6142883.6/109



Right In: -0.000+/-0.000 χ^2/NDF: 35.8/28

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

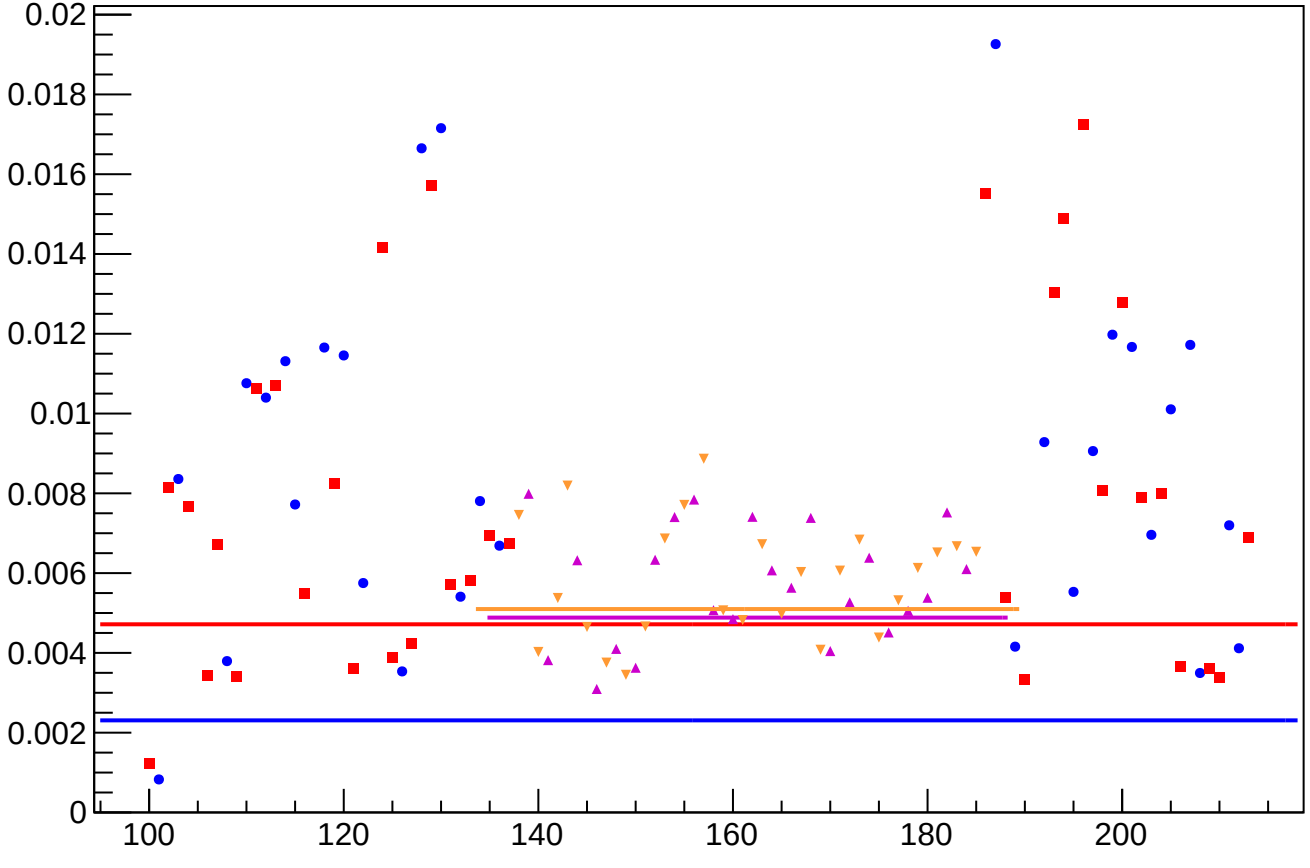
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 127.0/61

In: -0.000+/-0.000 χ^2/NDF:53.7/51

Out: 0.000+/-0.000 χ^2/NDF:120.0/57

All: -0.000+/-0.000 χ^2/NDF: 175.6/109



Right In: 0.002+/-0.000 χ^2/NDF: 19545873.6/28

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

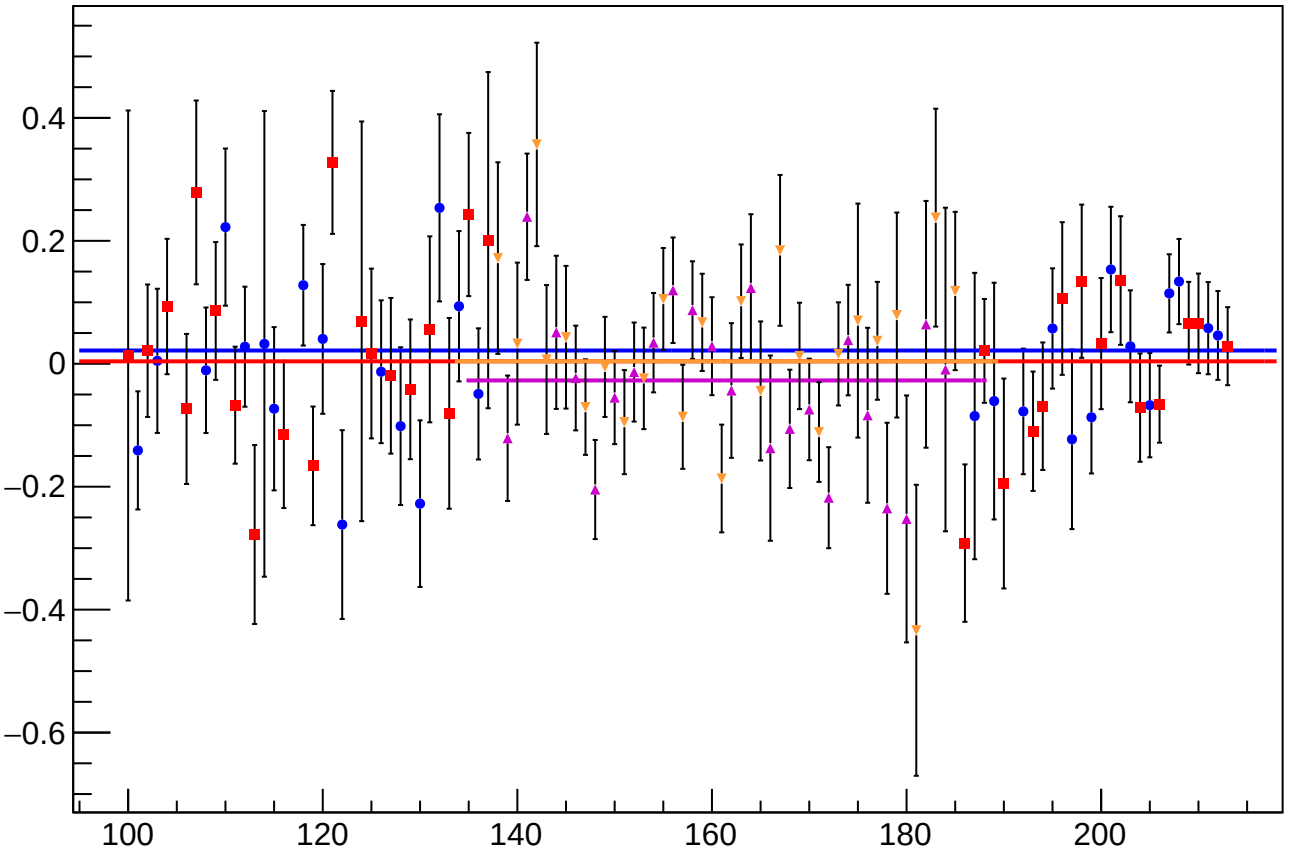
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 32696070.6/61

In: 0.003+/-0.000 χ^2/NDF:28311629.8/51

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

All: 0.004+/-0.000 χ^2/NDF: 43783945.4/109



Right In: 0.022+/-0.019 χ^2/NDF: 29.8/28

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

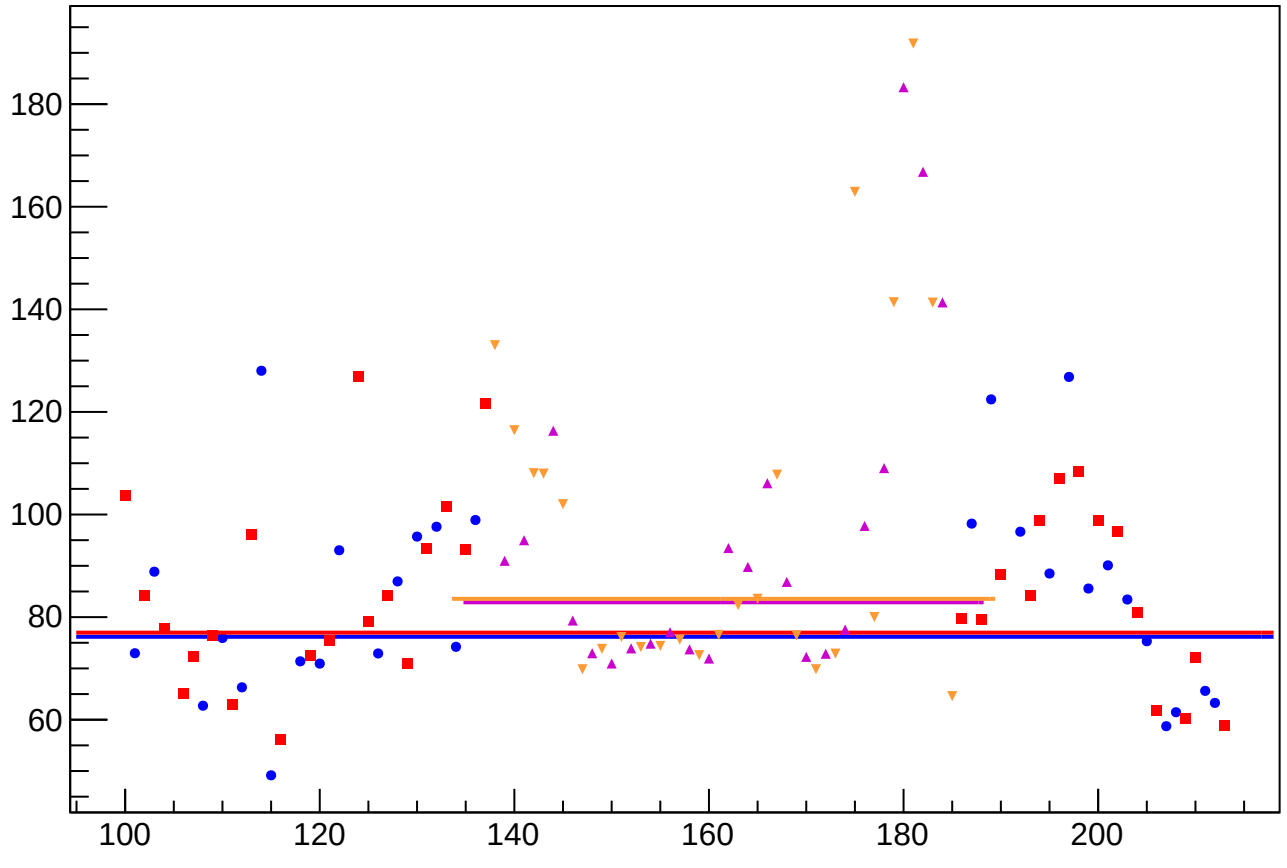
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.012+/-0.013 χ^2/NDF: 71.4/61

In: -0.001+/-0.014 χ^2/NDF:64.7/51

Out: 0.004+/-0.014 χ^2/NDF:69.3/57

All: 0.001+/-0.010 χ^2/NDF: 134.1/109



Right In: 76.167+/-0.014 χ^2/NDF: 1322771.4/28

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

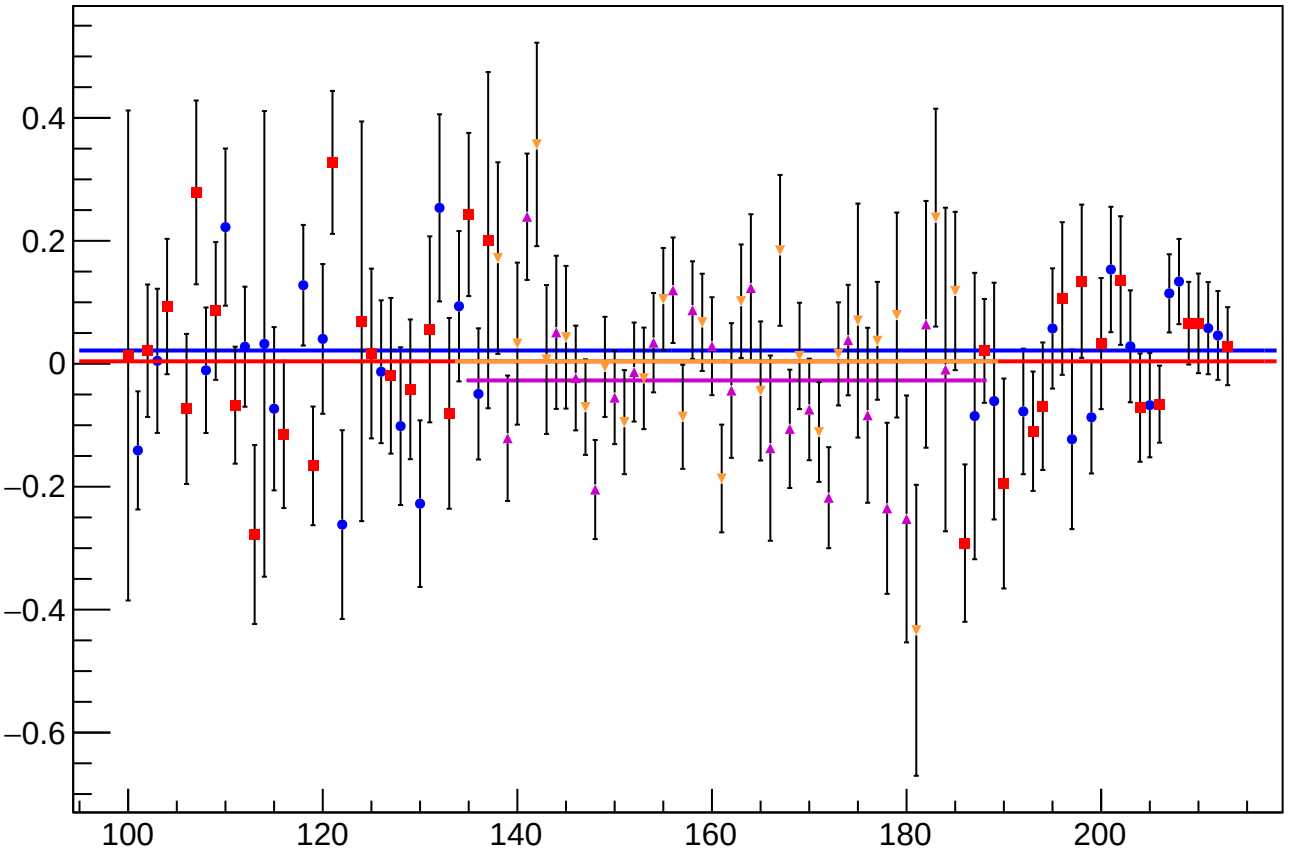
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 76.585+/-0.009 χ^2/NDF: 2648652.5/61

In: 79.309+/-0.010 χ^2/NDF:3009813.4/51

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

All: 79.657+/-0.007 χ^2/NDF: 6623511.5/109



Right In: 0.022+/-0.019 χ^2/NDF: 29.8/28

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

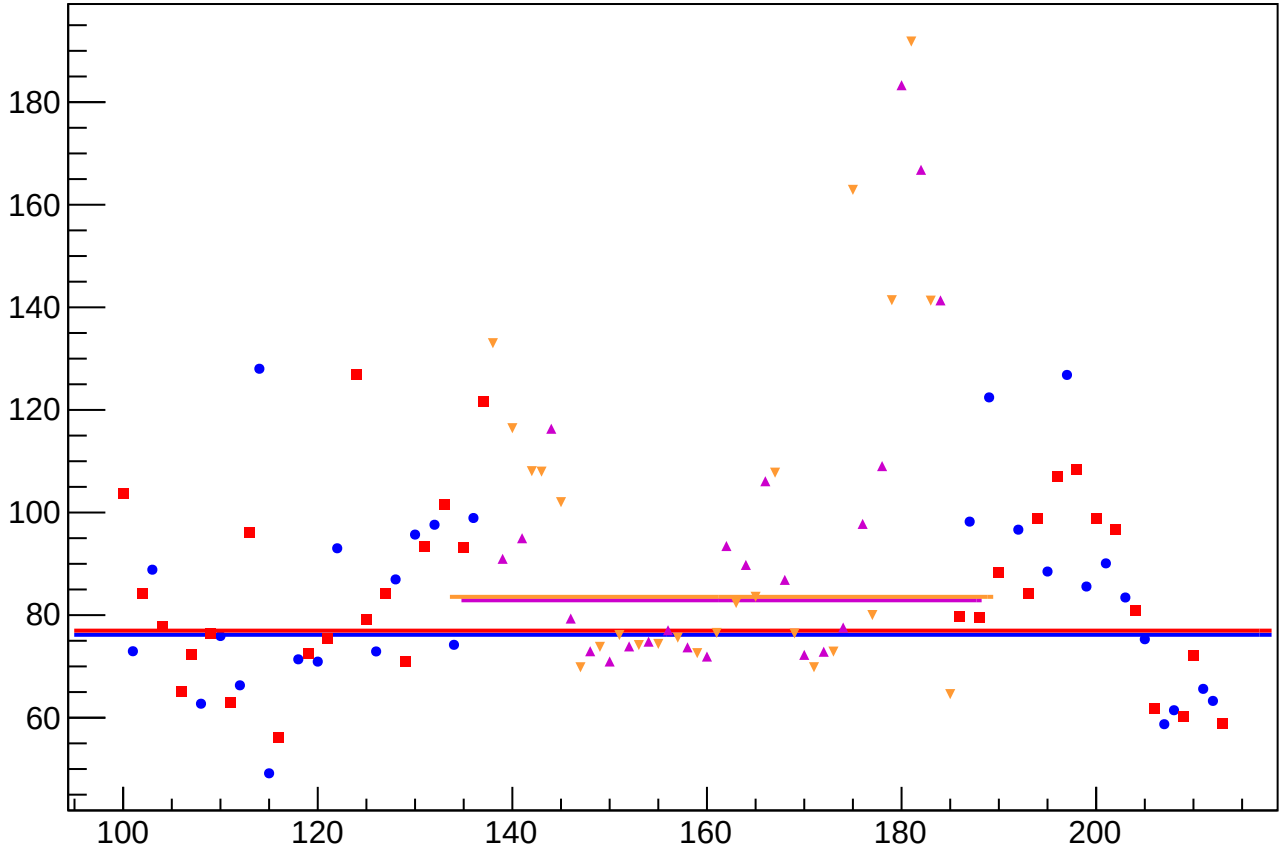
Right: 0.012+/-0.013 χ^2/NDF: 71.4/61

In: -0.001+/-0.014 χ^2/NDF:64.7/51

Out: 0.004+/-0.014 χ^2/NDF:69.3/57

All: 0.001+/-0.010 χ^2/NDF: 134.1/109

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 76.167+/-0.014 χ^2/NDF: 1322771.4/28

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

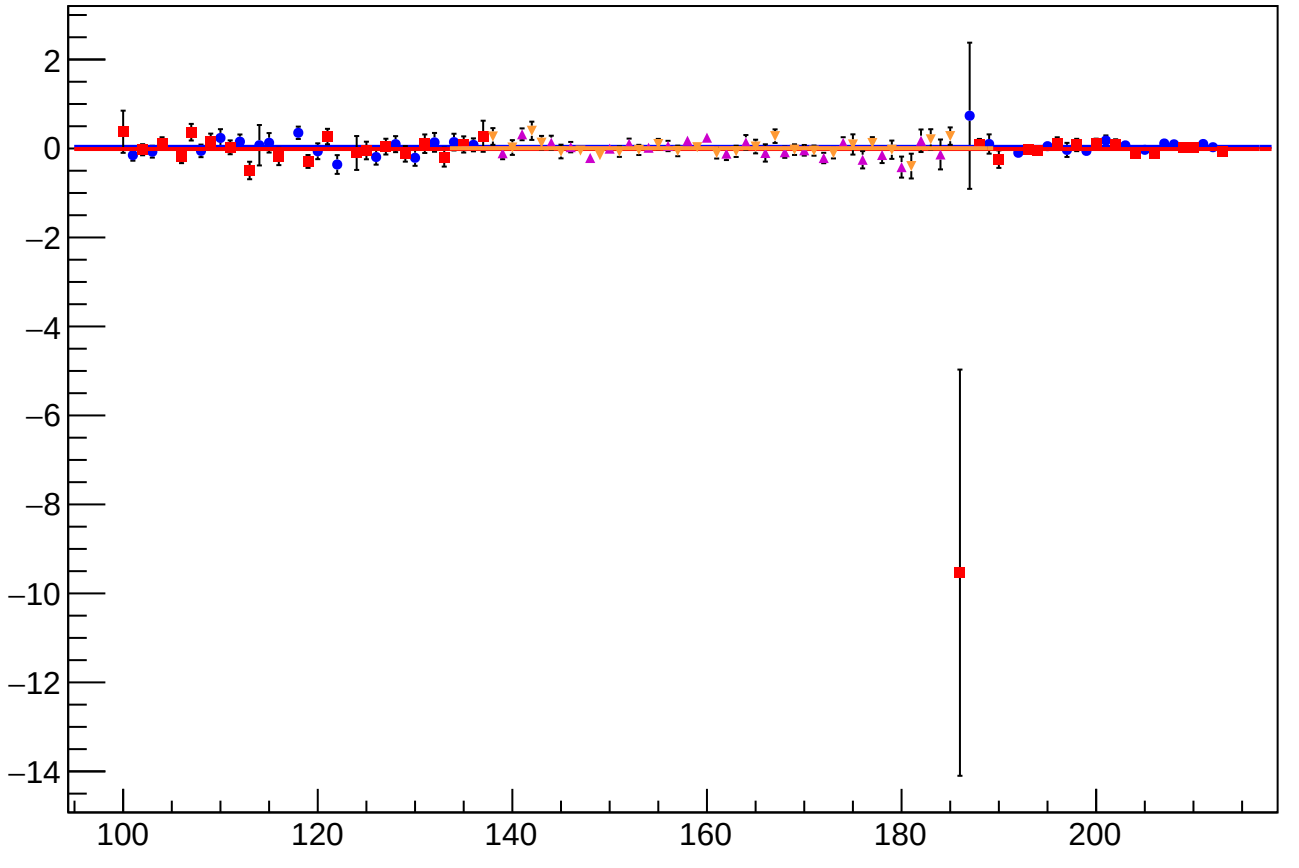
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 76.585+/-0.009 χ^2/NDF: 2648652.5/61

In: 79.309+/-0.010 χ^2/NDF:3009813.4/51

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

All: 79.657+/-0.007 χ^2/NDF: 6623511.5/109



Right In: 0.037+/-0.025 χ^2/NDF: 24.8/28

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

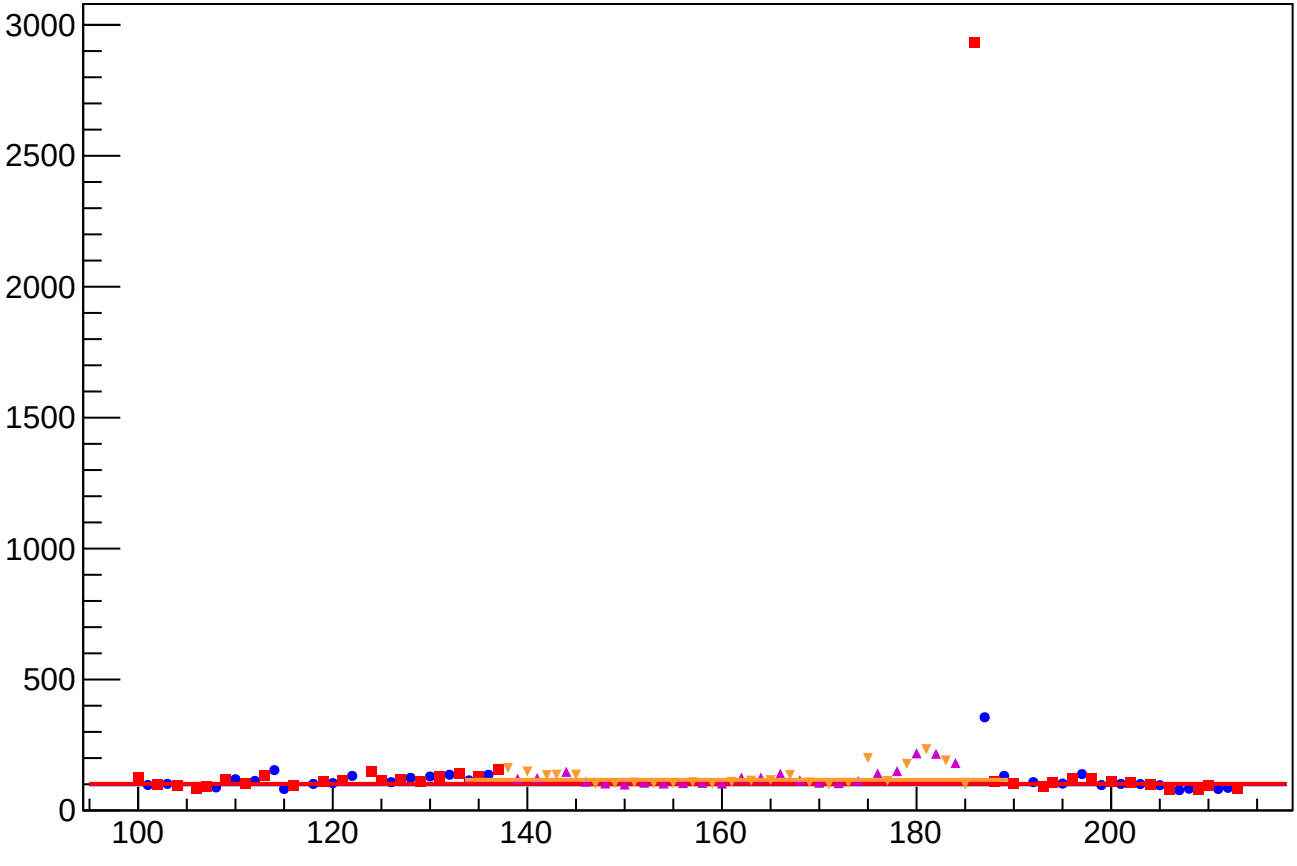
Right: 0.012+/-0.017 χ^2/NDF: 63.2/61

In: 0.025+/-0.019 χ^2/NDF:56.7/51

Out: -0.004+/-0.018 χ^2/NDF:57.9/57

All: 0.010+/-0.013 χ^2/NDF: 115.8/109

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 99.993+/-0.018 χ^2/NDF: 982212.7/28

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

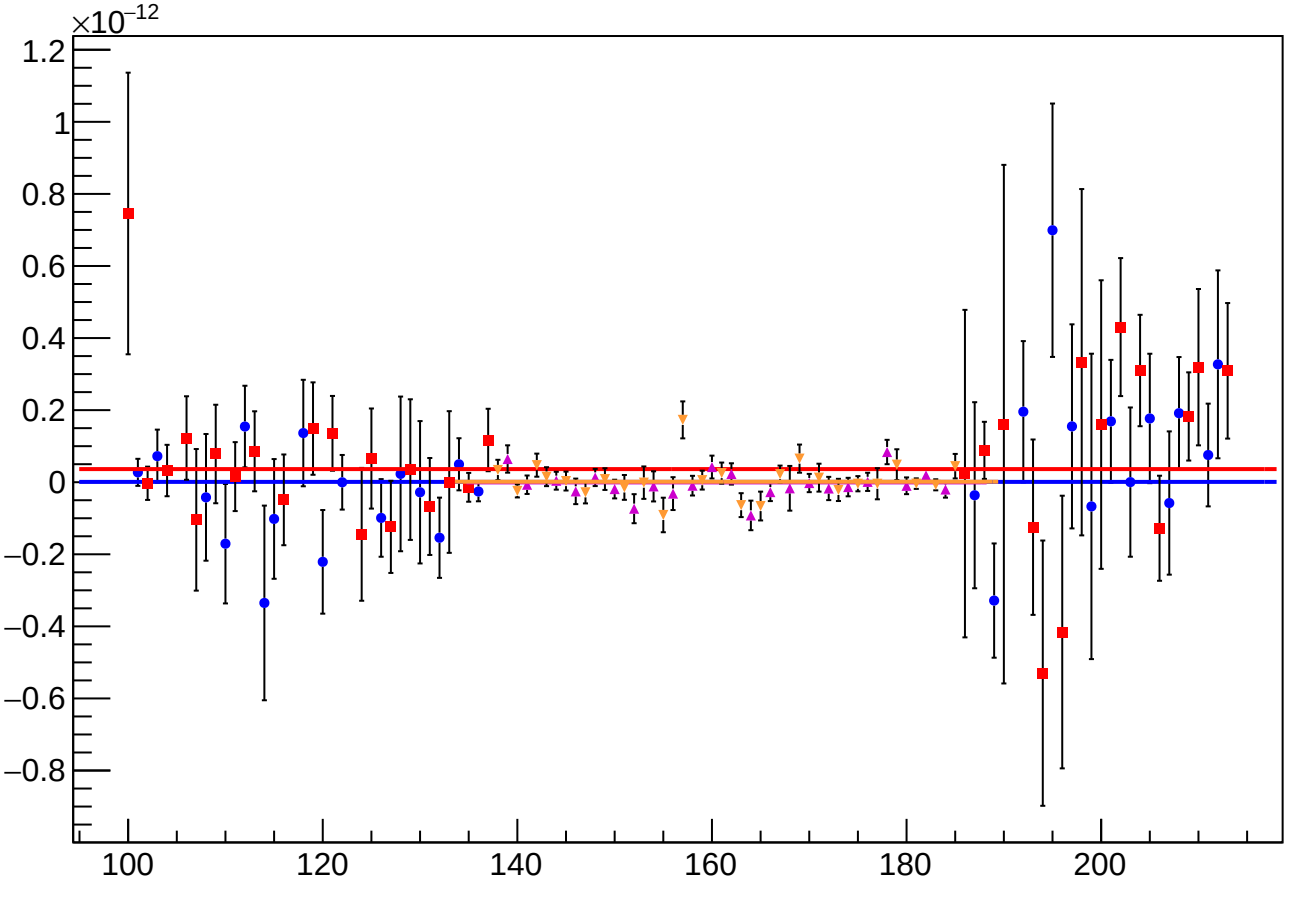
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 100.765+/-0.012 χ^2/NDF: 2612705.0/61

In: 106.978+/-0.013 χ^2/NDF:2568772.7/51

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

All: 107.608+/-0.009 χ^2/NDF: 6142713.3/109



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/28

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

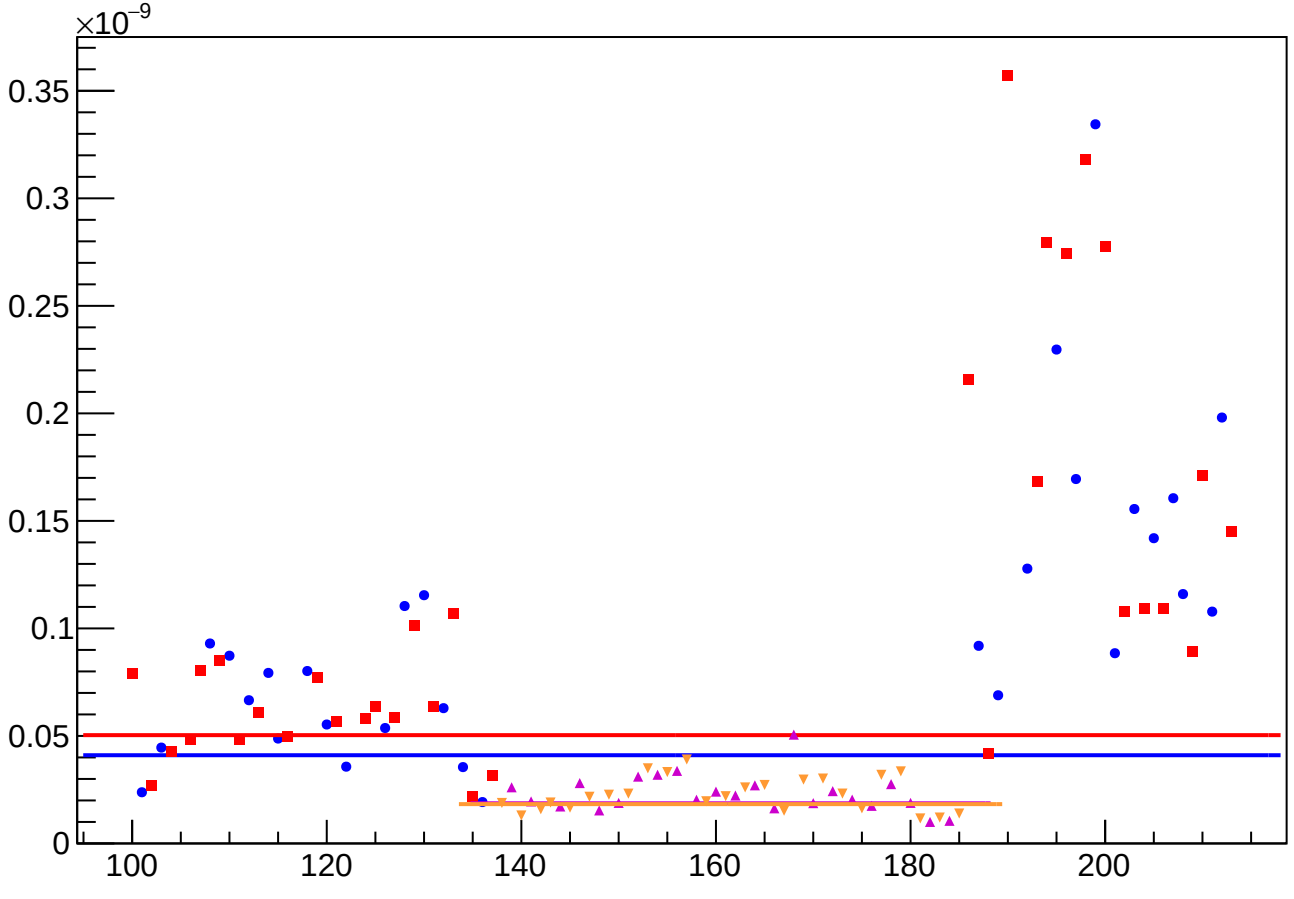
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 62.9/61

In: -0.000+/-0.000 χ^2/NDF:55.5/51

Out: 0.000+/-0.000 χ^2/NDF:71.9/57

All: 0.000+/-0.000 χ^2/NDF: 127.8/109



Right In: 0.000+/-0.000 χ^2/NDF: 9190639.2/28

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

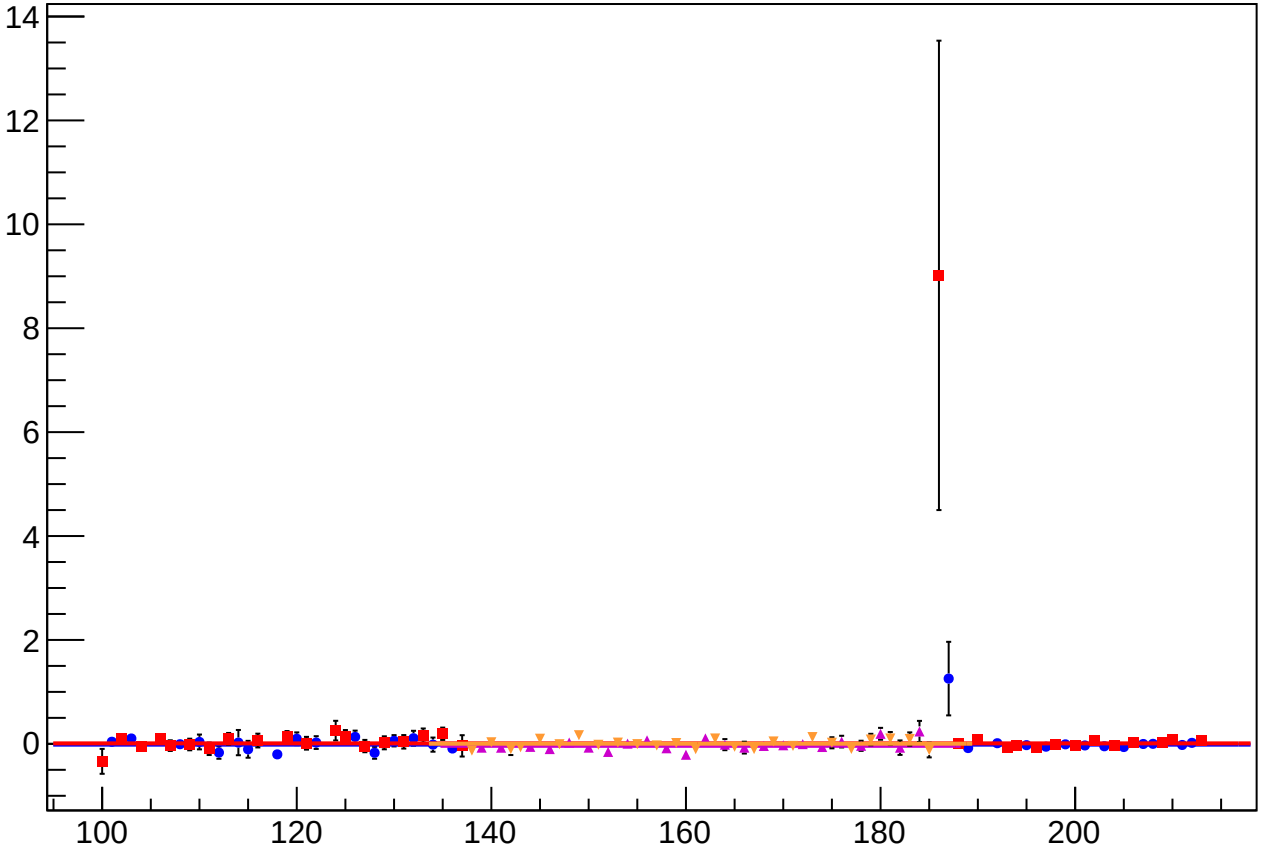
Right: 0.000+/-0.000 χ^2/NDF: 17765538.3/61

In: 0.000+/-0.000 χ^2/NDF:15195724.2/51

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

All: 0.000+/-0.000 χ^2/NDF: 31655792.5/109

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 24.4/28

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

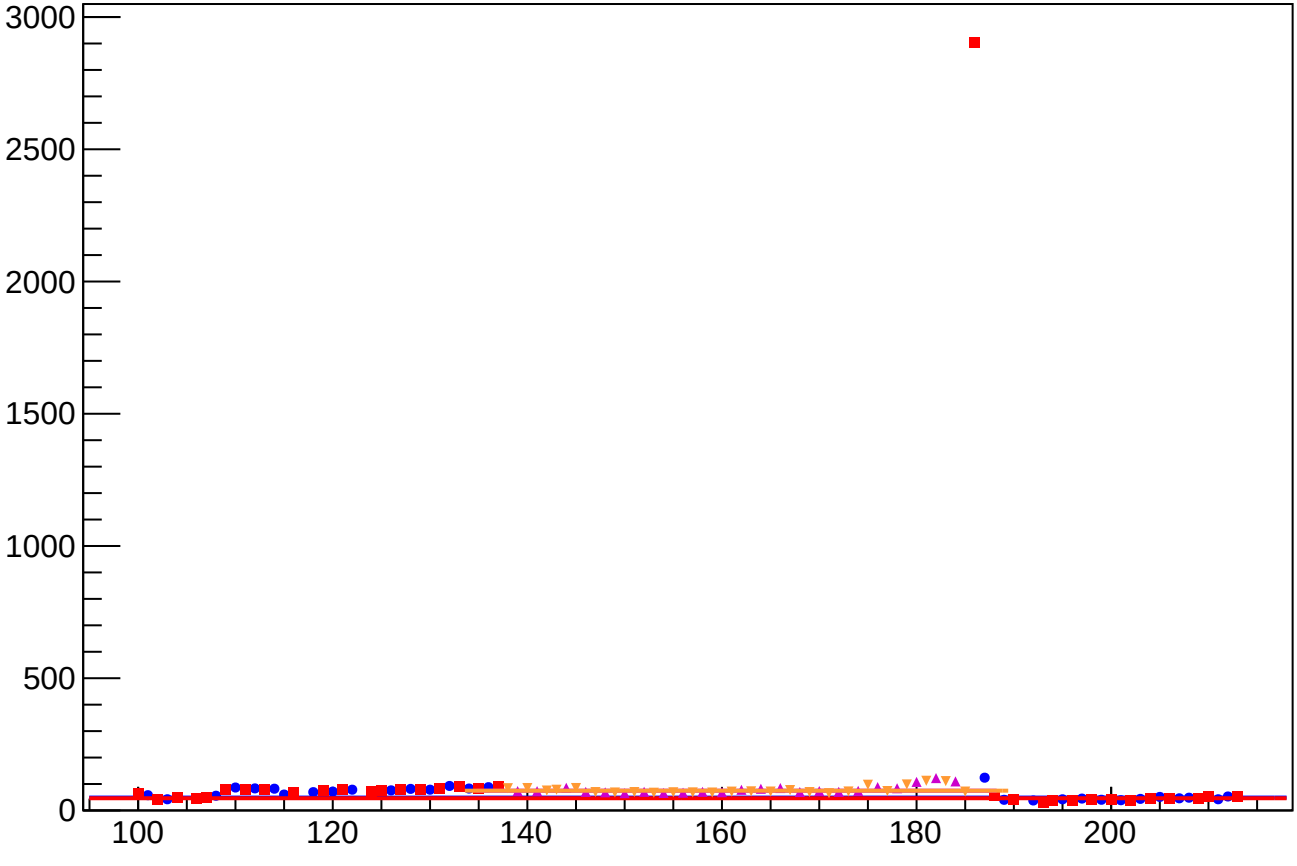
Right: -0.002+/-0.008 χ^2/NDF: 65.8/61

In: -0.023+/-0.010 χ^2/NDF:47.1/51

Out: 0.007+/-0.010 χ^2/NDF:61.0/57

All: -0.007+/-0.007 χ^2/NDF: 112.6/109

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.716+/-0.009 χ^2/NDF: 2292497.3/28

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

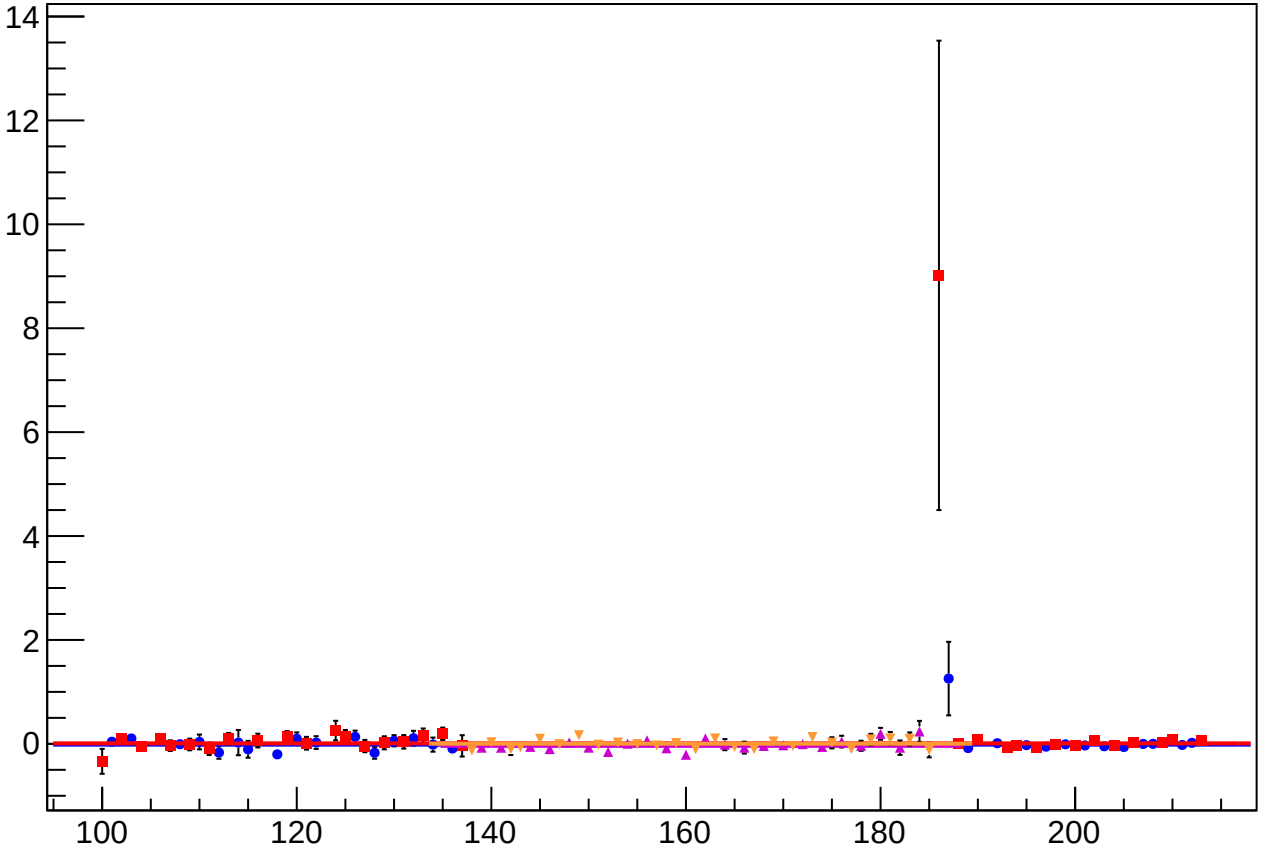
Right: 47.358+/-0.006 χ^2/NDF: 6008758.4/61

In: 57.180+/-0.007 χ^2/NDF:5828694.5/51

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

All: 56.015+/-0.005 χ^2/NDF: 14015671.7/109

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 24.4/28

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

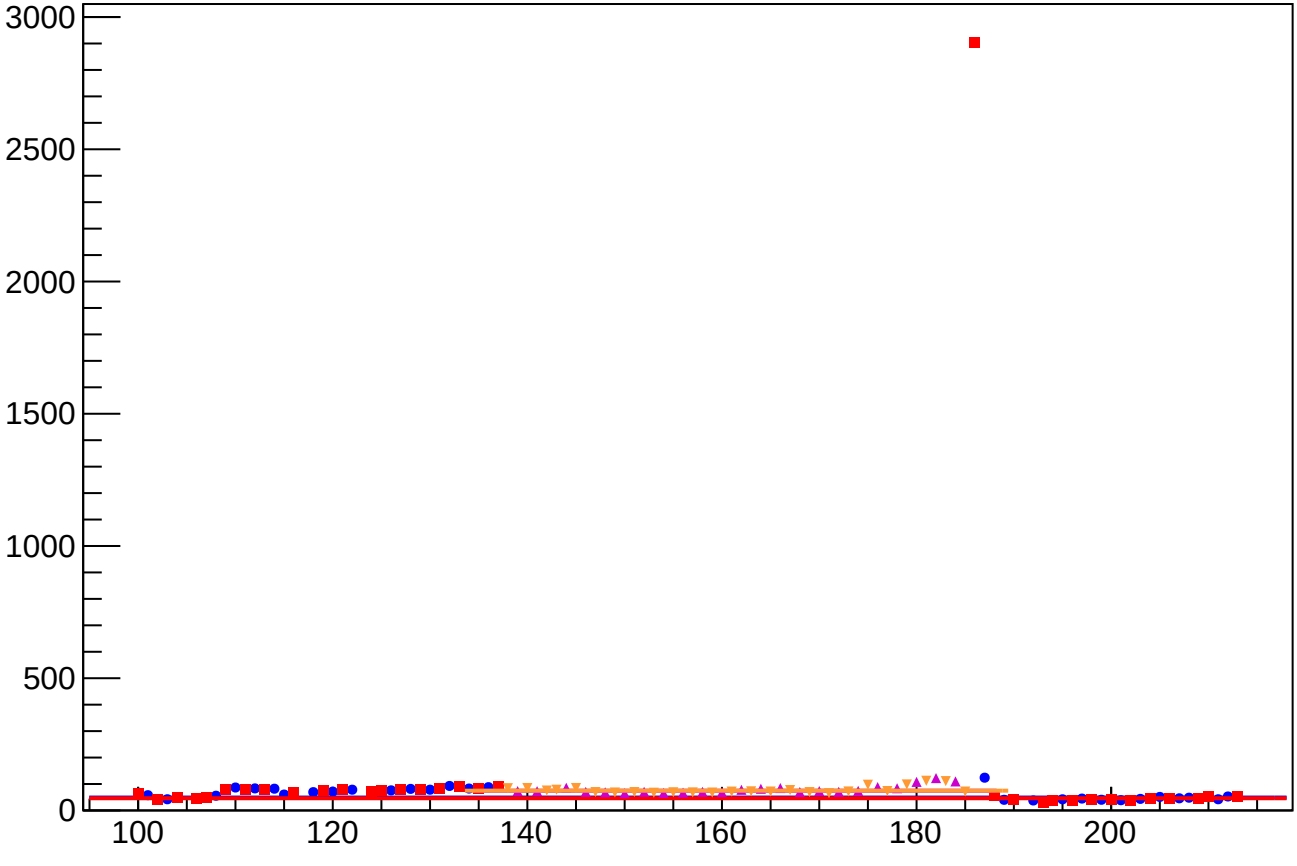
Right: -0.002+/-0.008 χ^2/NDF: 65.8/61

In: -0.023+/-0.010 χ^2/NDF:47.1/51

Out: 0.007+/-0.010 χ^2/NDF:61.0/57

All: -0.007+/-0.007 χ^2/NDF: 112.6/109

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.716+/-0.009 χ^2/NDF: 2292497.3/28

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

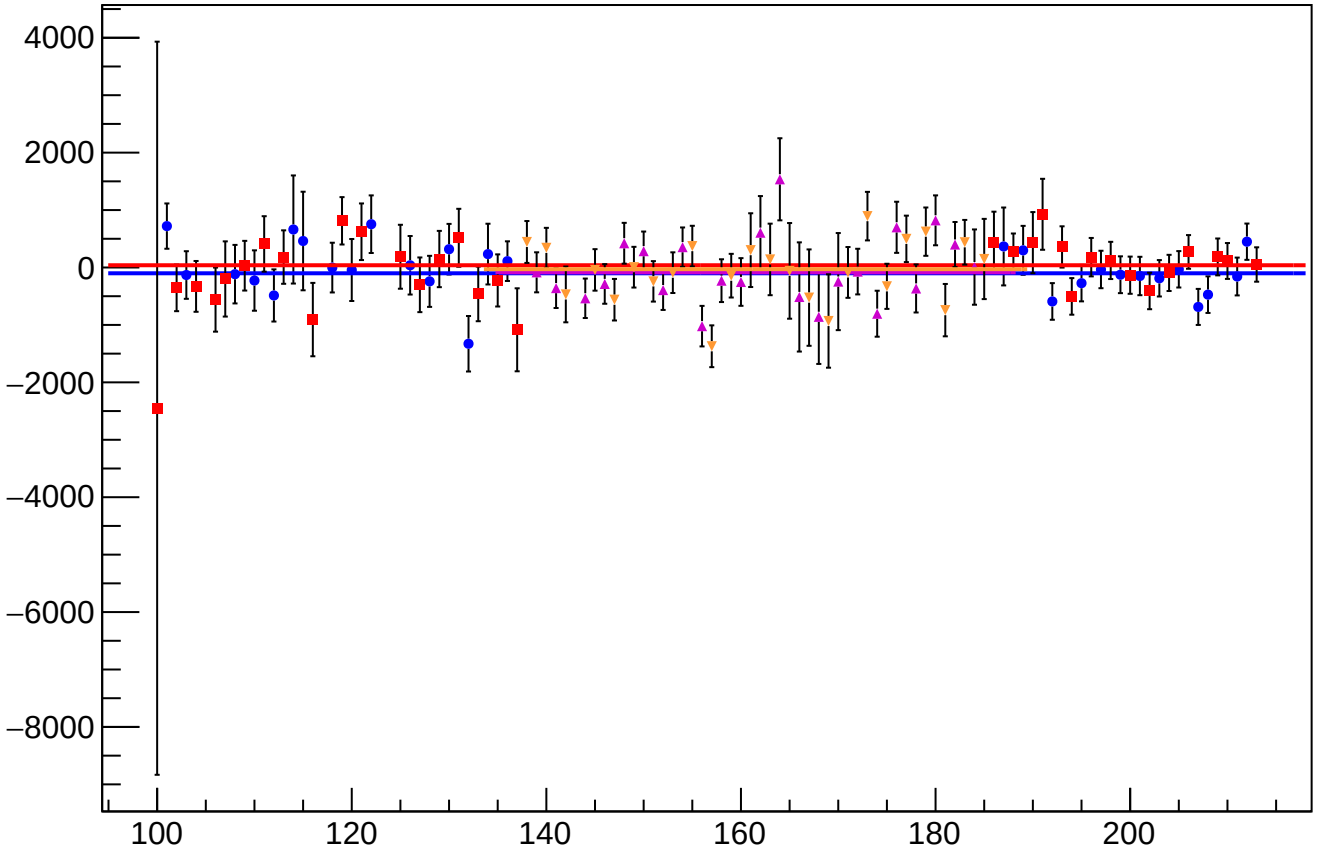
Right: 47.358+/-0.006 χ^2/NDF: 6008758.4/61

In: 57.180+/-0.007 χ^2/NDF:5828694.5/51

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

All: 56.015+/-0.005 χ^2/NDF: 14015671.7/109

asym_dsl_mean vs Slug, Sign Corrected



Right In: -100.806+/-73.558 χ^2/NDF: 29.6/28

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 39.151+/-70.963 χ^2/NDF: 27.3/32

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

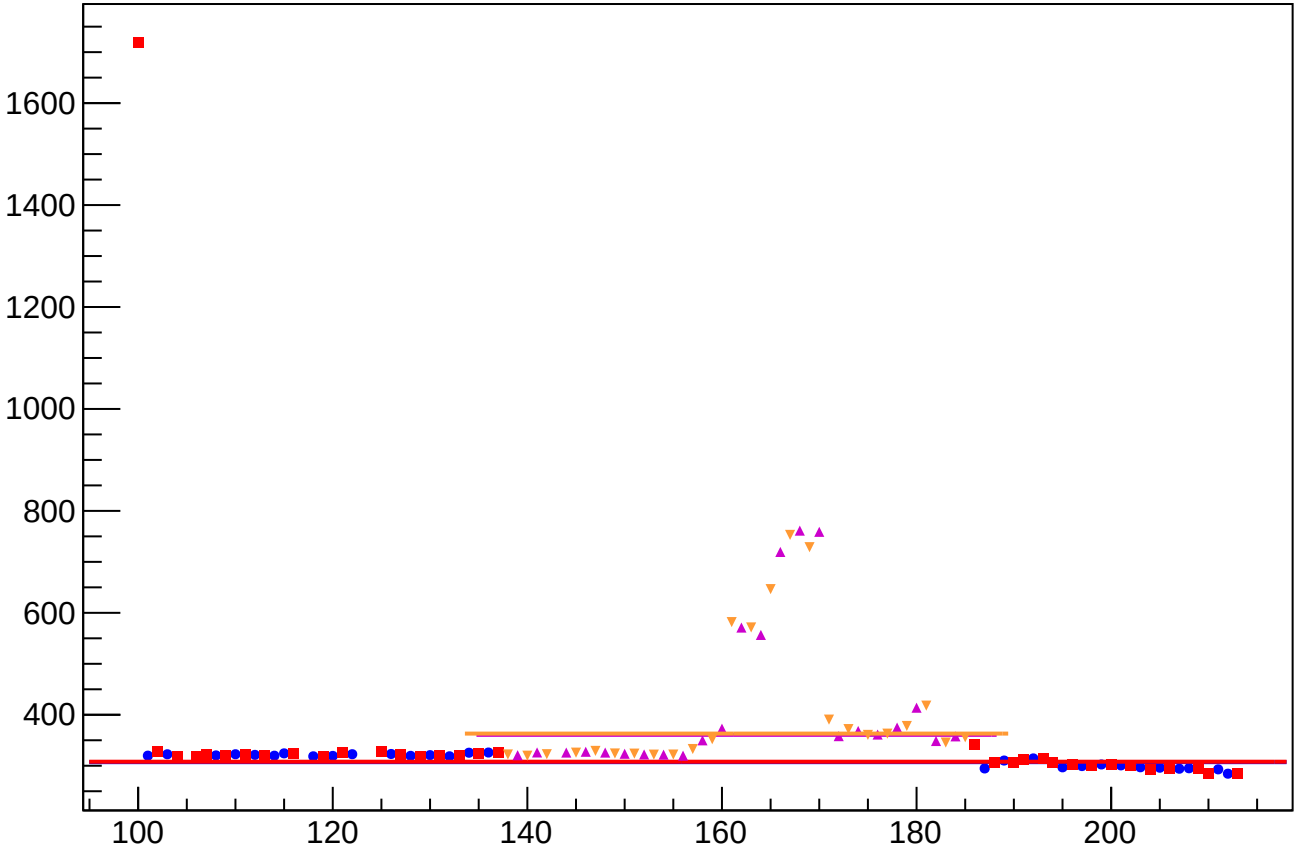
Right: -28.314+/-51.071 χ^2/NDF: 58.8/61

In: -93.633+/-56.030 χ^2/NDF:65.4/51

Out: 11.608+/-54.870 χ^2/NDF:64.2/56

All: -39.913+/-39.203 χ^2/NDF: 131.5/108

asym_dsl_rms vs Slug, Sign Corrected



Right In: 307.024+/-0.052 χ^2/NDF: 61115.7/28

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

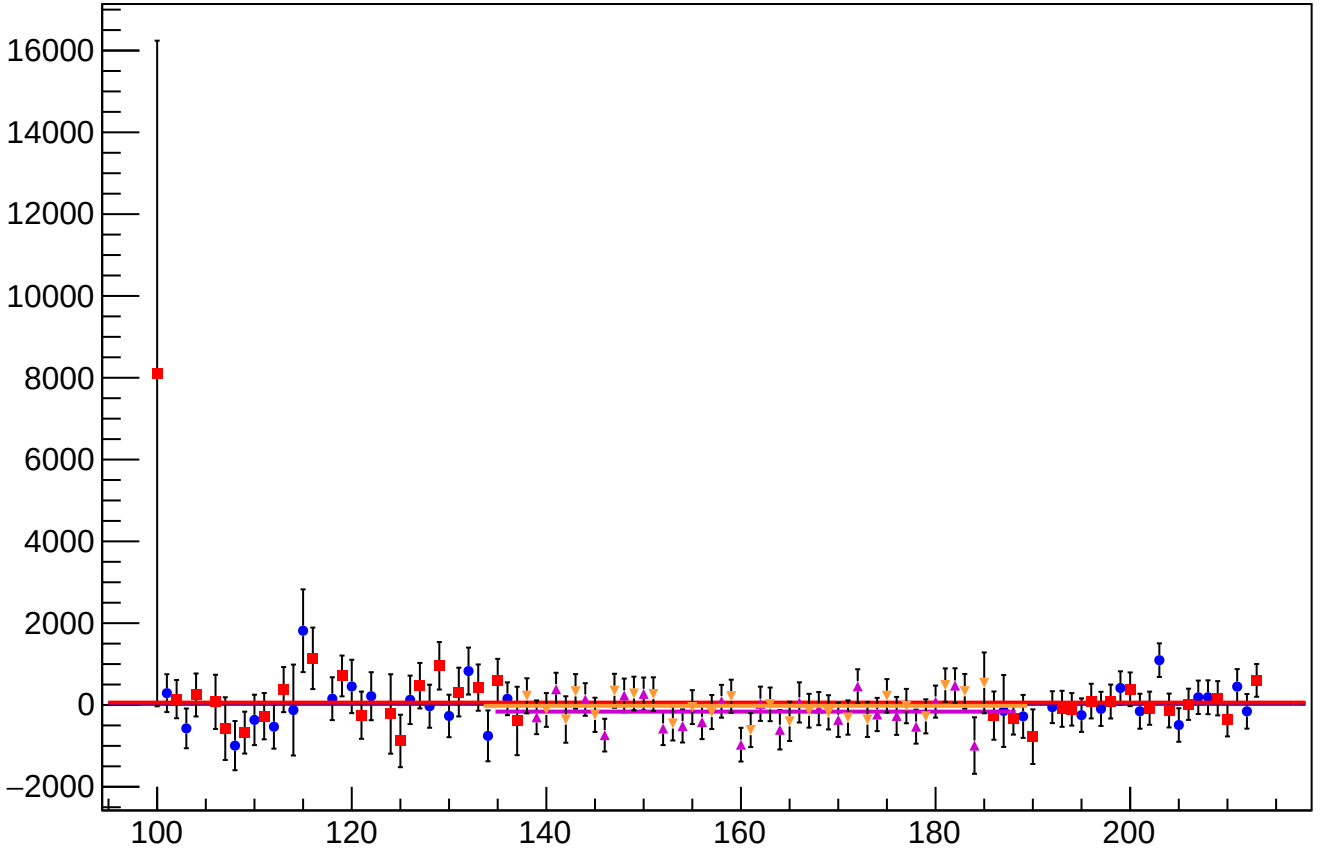
Right: 307.487+/-0.036 χ^2/NDF: 234828.3/61

In: 329.509+/-0.040 χ^2/NDF:2323964.6/51

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

All: 329.810+/-0.028 χ^2/NDF: 4779150.9/108

asym_dsr_mean vs Slug, Sign Corrected



Right In: 29.053+/-91.299 χ^2/NDF: 25.8/28

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

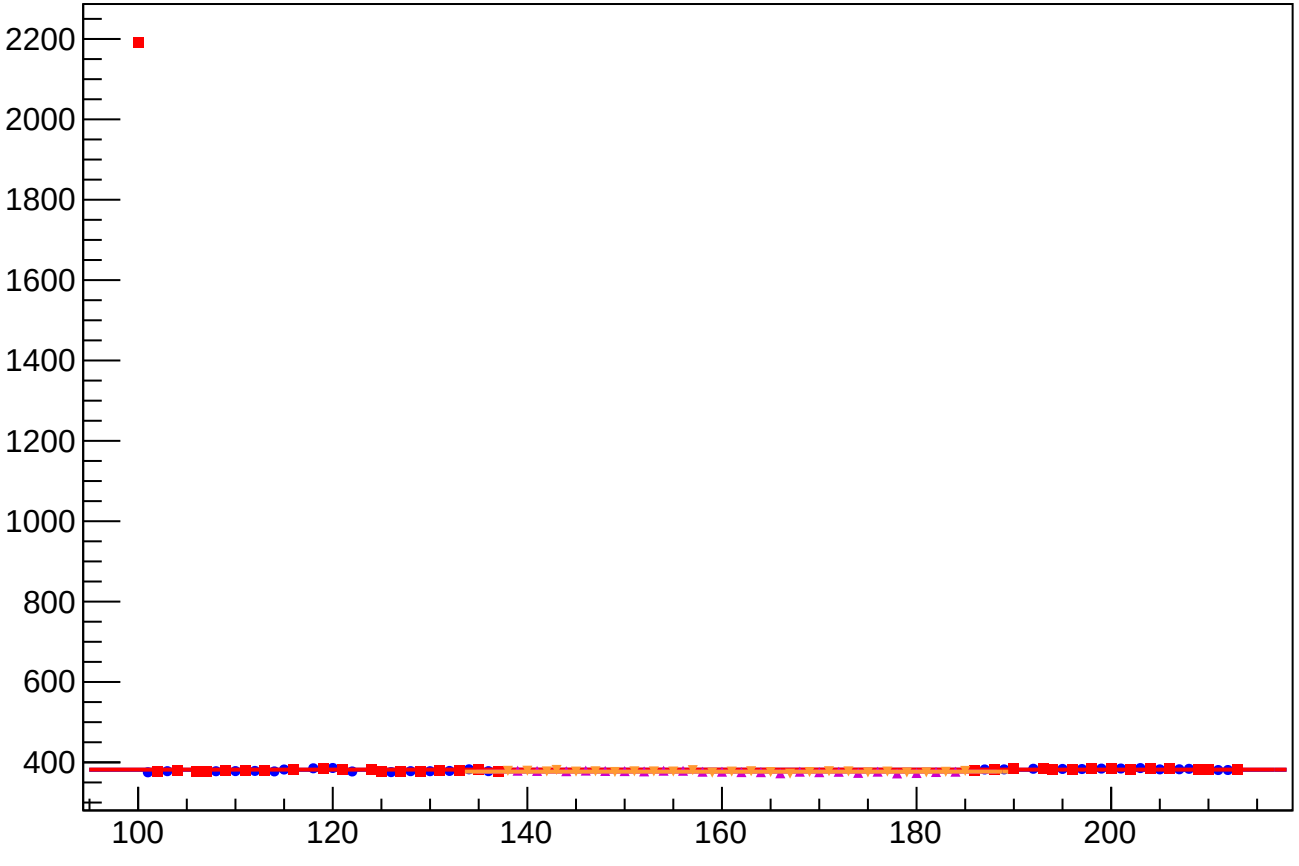
Right: 44.190+/-63.418 χ^2/NDF: 48.5/61

In: -70.511+/-63.356 χ^2/NDF:49.9/51

Out: 17.463+/-61.420 χ^2/NDF:35.7/57

All: -25.159+/-44.099 χ^2/NDF: 86.5/109

asym_dsr_rms vs Slug, Sign Corrected



Right In: 381.462+/-0.065 χ^2/NDF: 2247.6/28

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

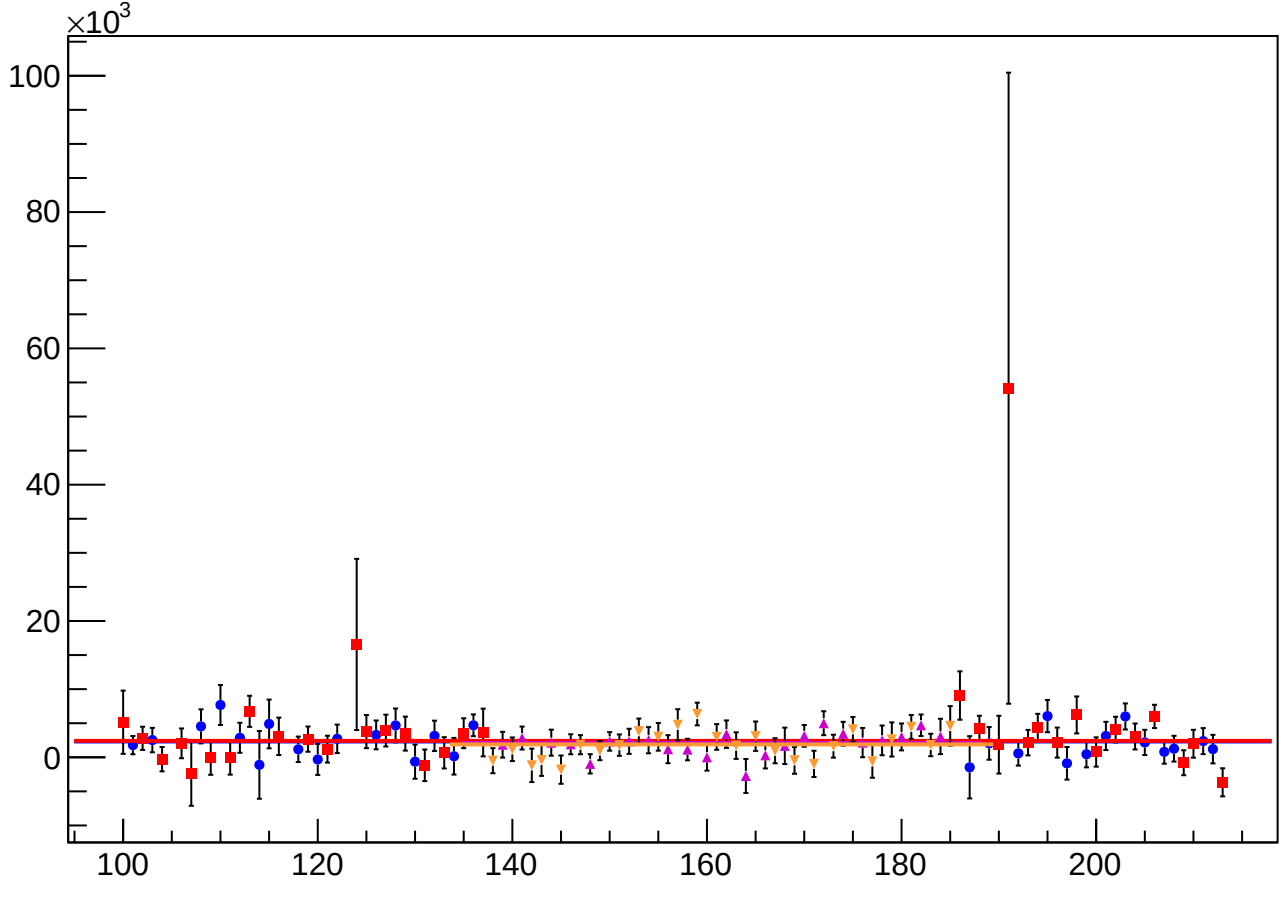
Right: 381.717+/-0.045 χ^2/NDF: 102973.2/61

In: 379.069+/-0.045 χ^2/NDF:5971.9/51

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

All: 379.217+/-0.031 χ^2/NDF: 111124.0/109

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2325.287+/-391.644 χ^2/NDF: 24.7/28

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

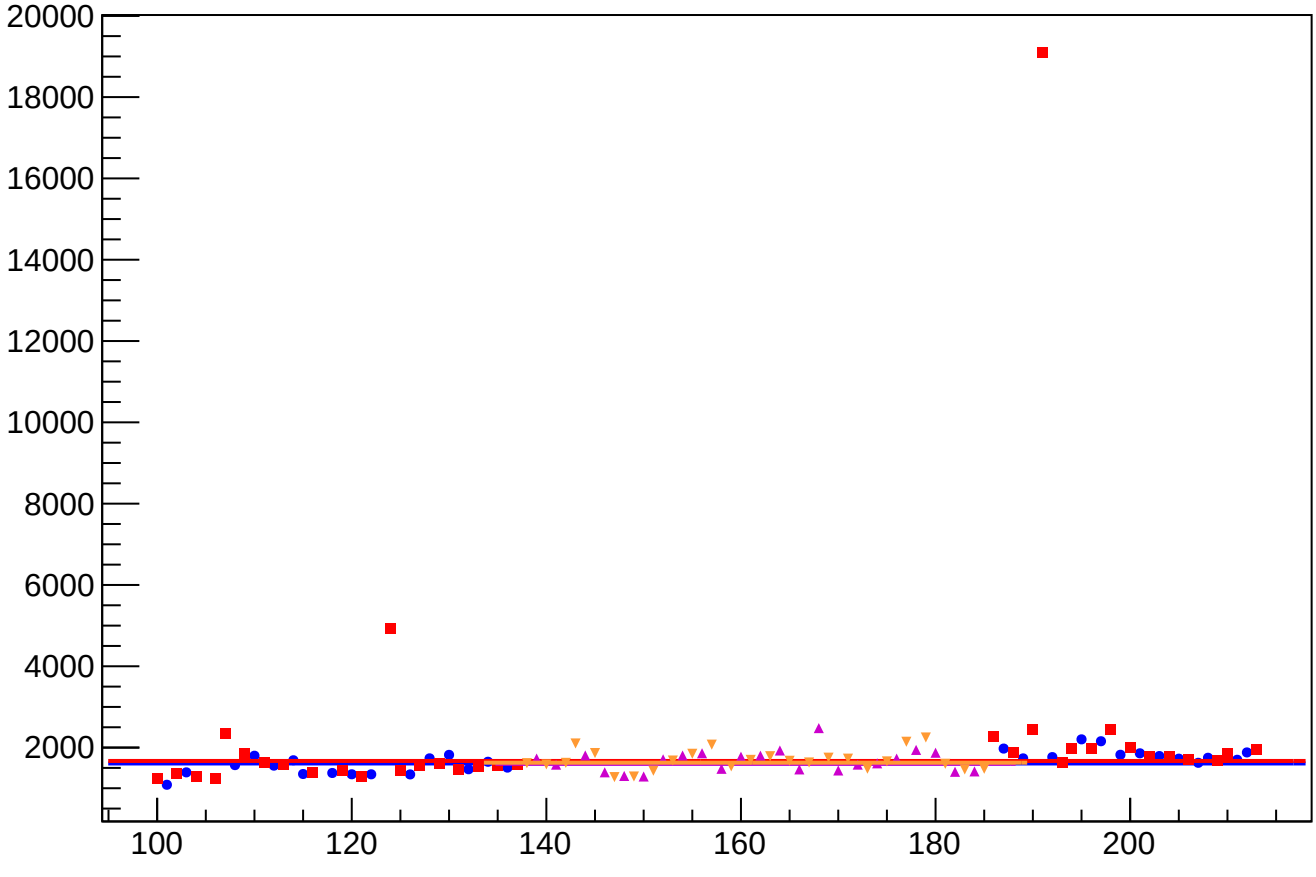
Right: 2366.083+/-277.187 χ^2/NDF: 66.1/62

In: 2211.759+/-272.373 χ^2/NDF:43.4/51

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

All: 2174.545+/-192.182 χ^2/NDF: 114.2/110

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1609.317+/-0.277 χ^2/NDF: 909242.3/28

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

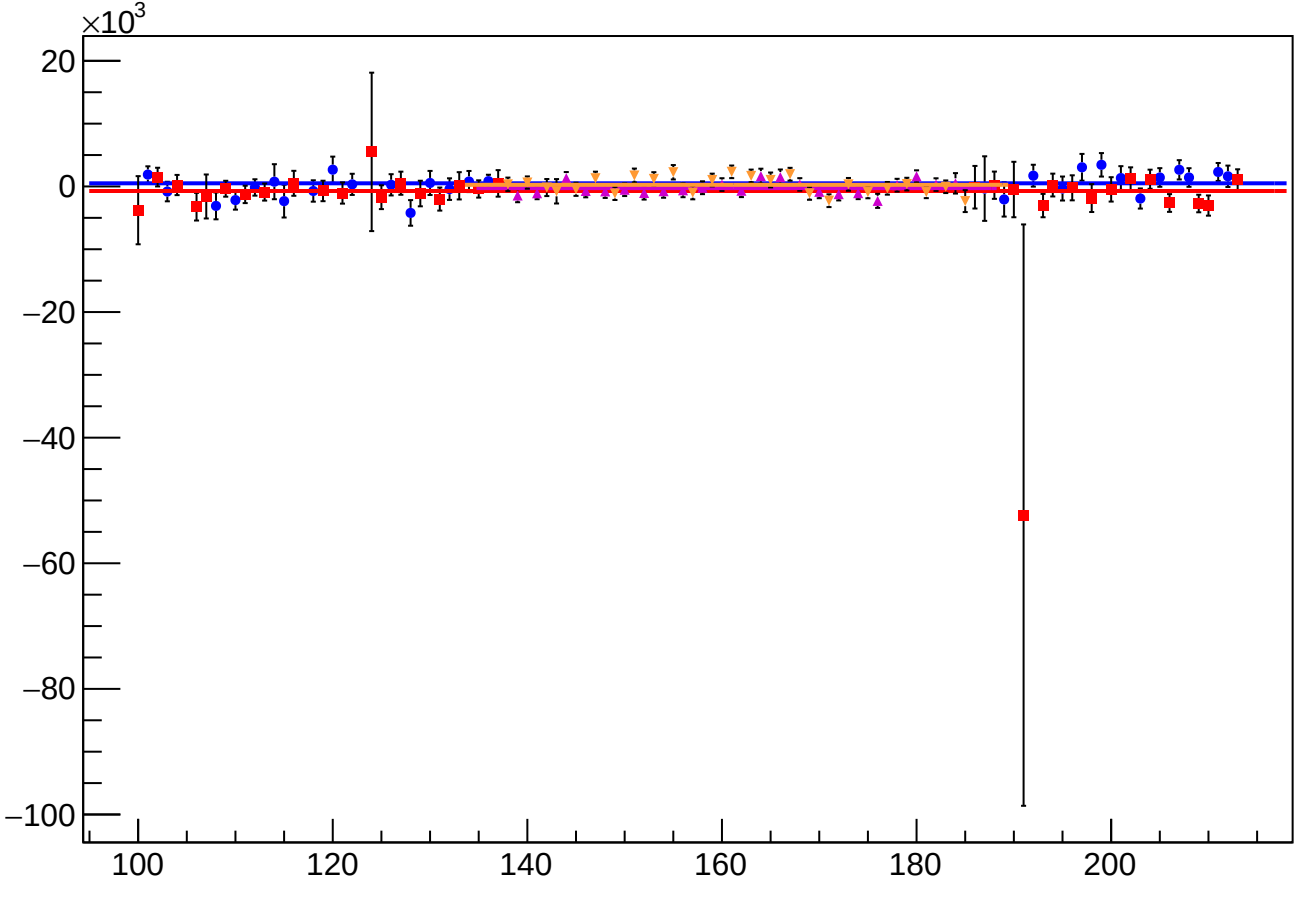
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1640.146+/-0.196 χ^2/NDF: 2354433.4/62

In: 1605.279+/-0.193 χ^2/NDF:1703376.6/51

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

All: 1627.151+/-0.136 χ^2/NDF: 3940833.0/11



Right In: 499.853+/-315.106 χ^2/NDF: 29.4/28

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

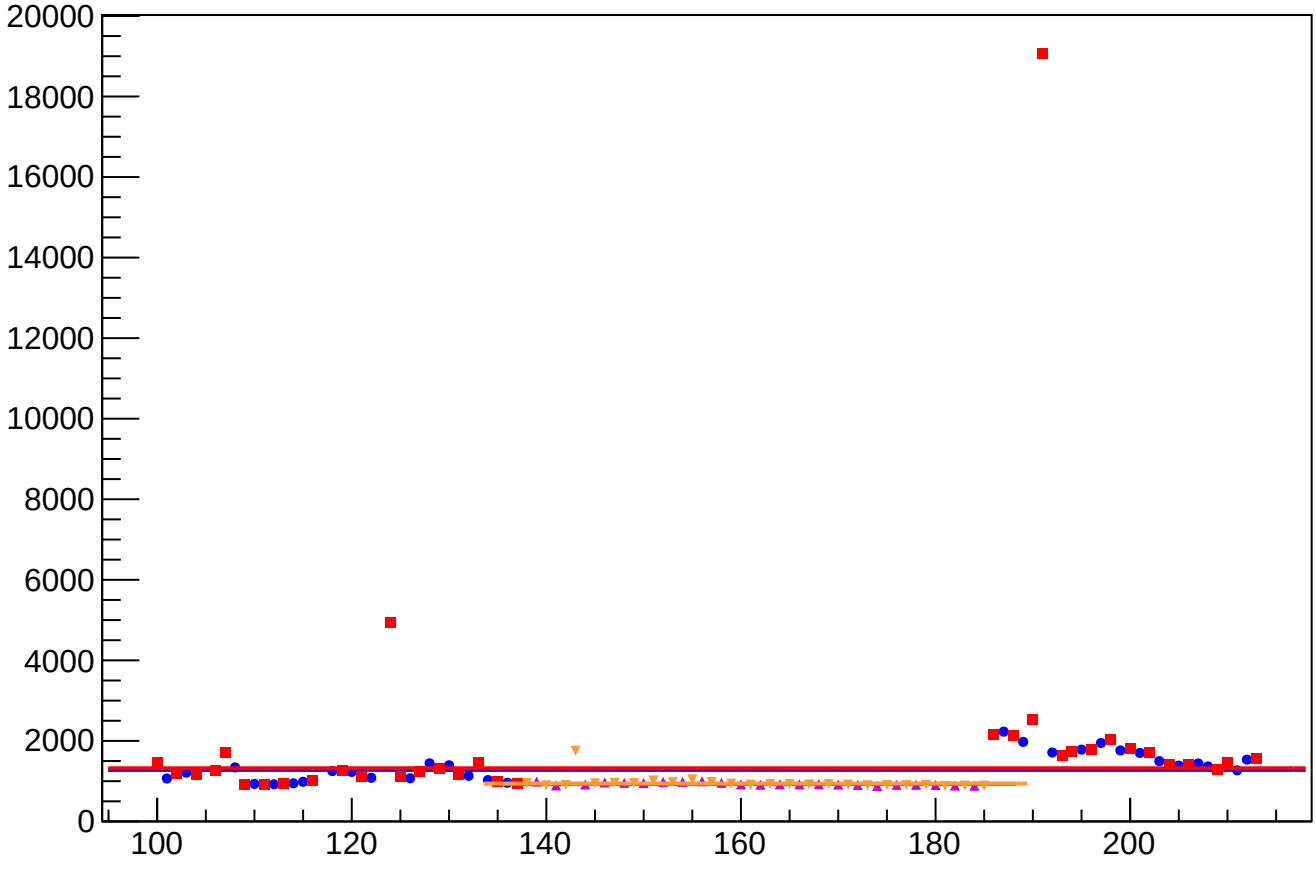
Right: -112.525+/-222.793 χ^2/NDF: 57.3/62

In: -19.297+/-179.103 χ^2/NDF:54.7/51

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

All: -35.371+/-126.098 χ^2/NDF: 115.7/110

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1281.243+/-0.223 χ^2/NDF: 1713833.7/28

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

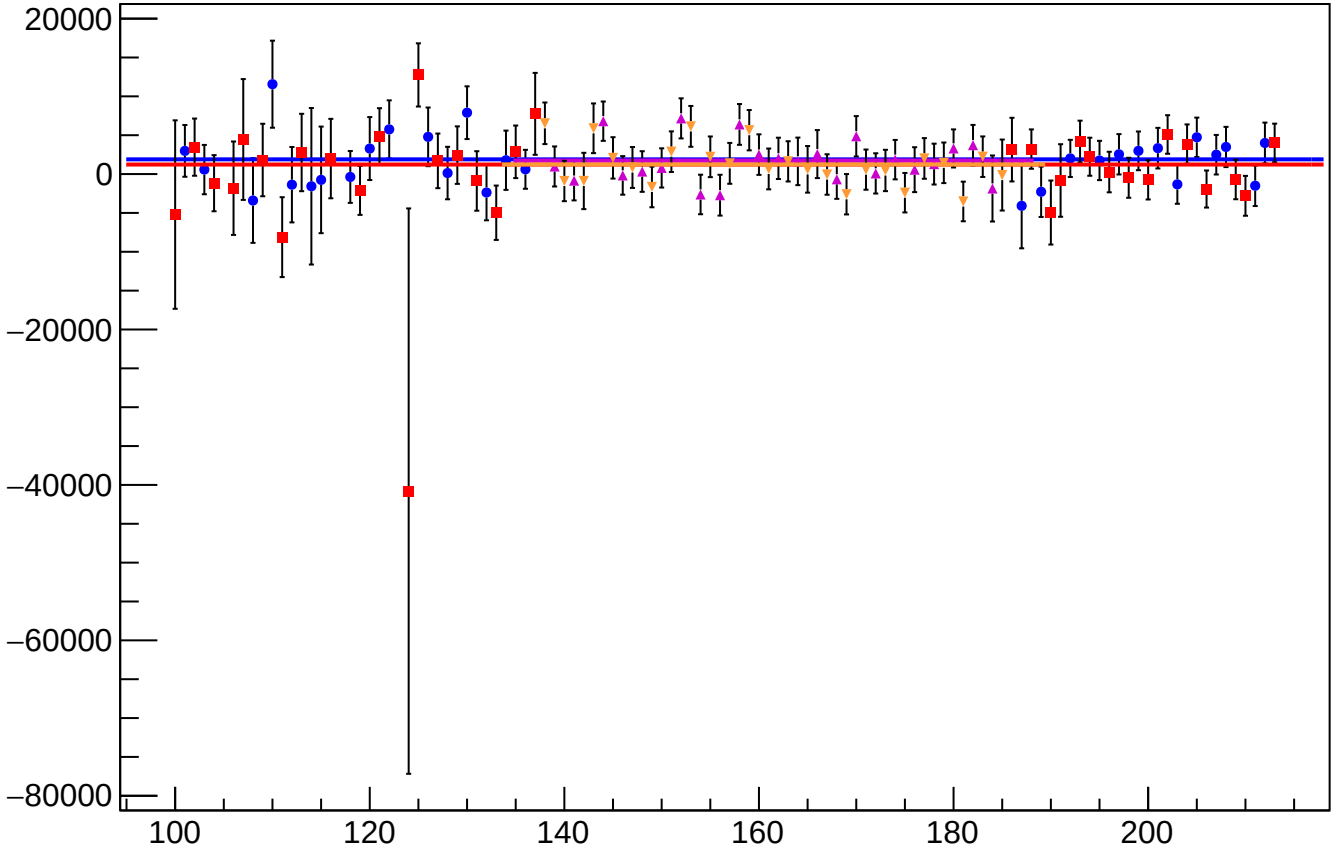
Right: 1300.790+/-0.158 χ^2/NDF: 4427997.8/62

In: 1044.532+/-0.127 χ^2/NDF:3430025.8/51

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

All: 1053.093+/-0.089 χ^2/NDF: 8533795.3/11

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1894.150+/-584.240 χ^2/NDF: 21.3/28

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

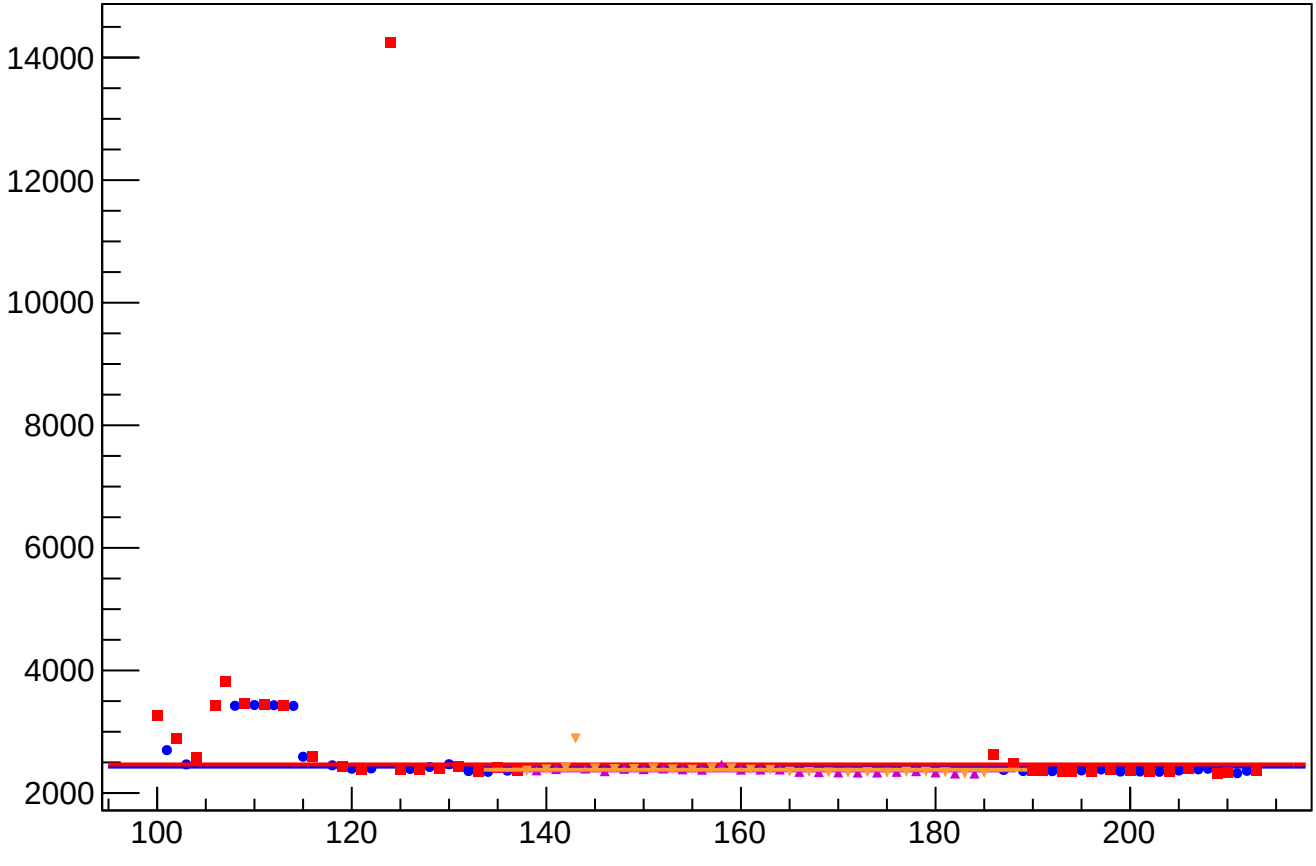
Right: 1551.845+/-408.078 χ^2/NDF: 59.2/62

In: 1813.791+/-401.718 χ^2/NDF:45.8/51

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

All: 1515.426+/-280.772 χ^2/NDF: 107.9/110

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2431.277+/-0.413 χ^2/NDF: 272166.8/28

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

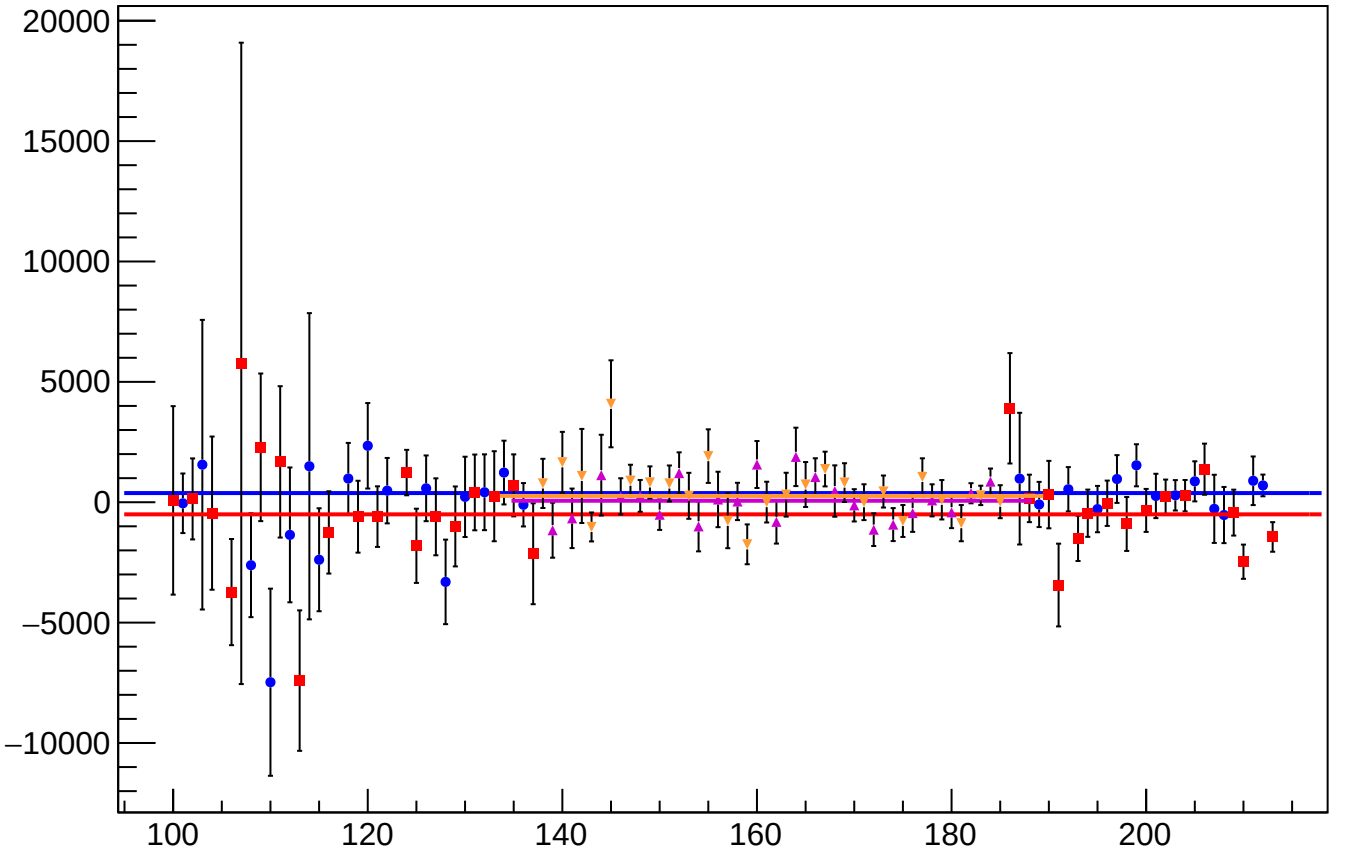
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2449.295+/-0.289 χ^2/NDF: 926219.9/62

In: 2398.646+/-0.284 χ^2/NDF:291034.4/51

Out: 2421.629+/-0.278 χ^2/NDF:731461.0/58

All: 2410.402+/-0.199 χ^2/NDF: 1025844.0/11



Right In: 380.866+/-203.327 χ^2/NDF: 19.7/28

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

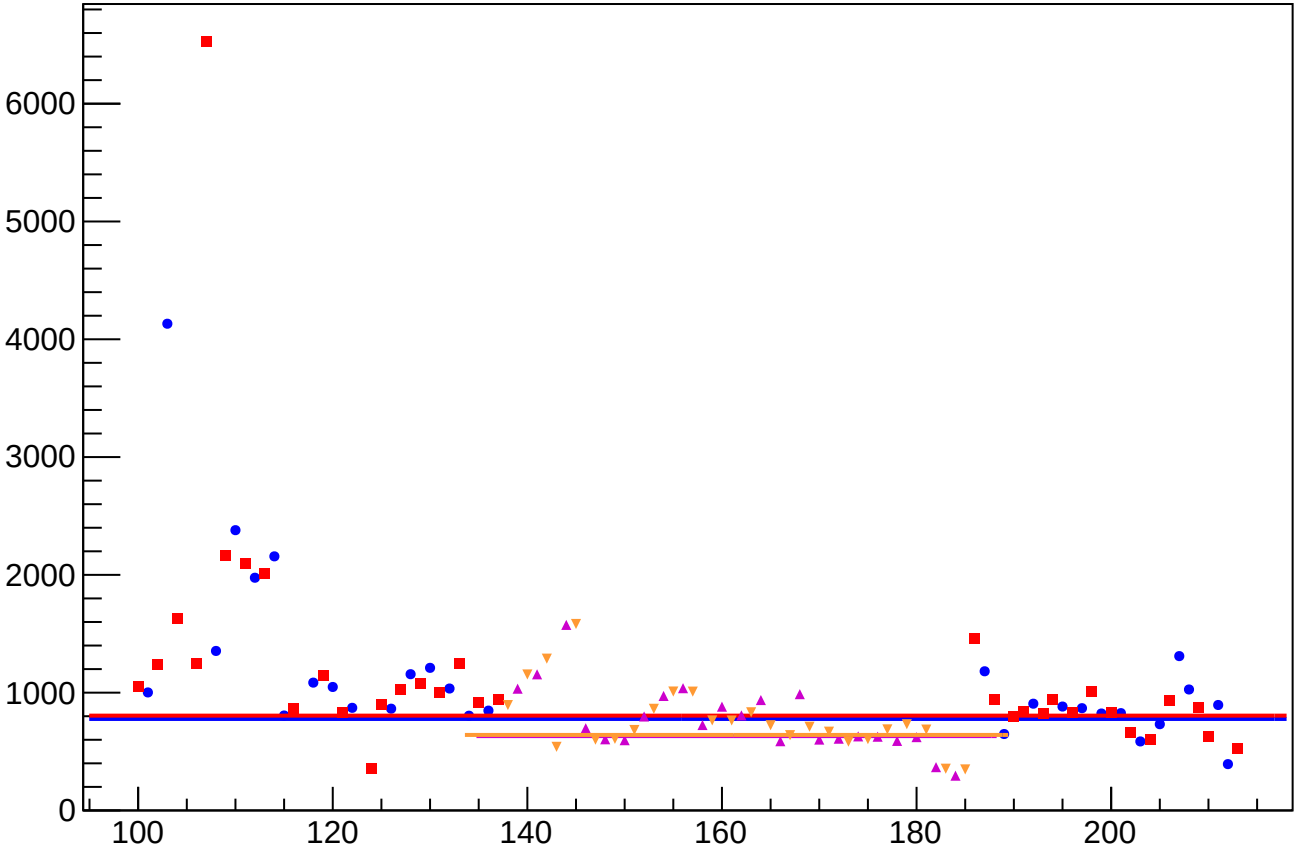
Right: -65.356+/-143.082 χ^2/NDF: 69.6/62

In: 181.452+/-124.461 χ^2/NDF:43.2/51

Out: -20.415+/-122.335 χ^2/NDF:80.6/58

All: 78.780+/-87.246 χ^2/NDF: 125.1/110

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 776.818+/-0.144 χ^2/NDF: 4290686.2/28

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

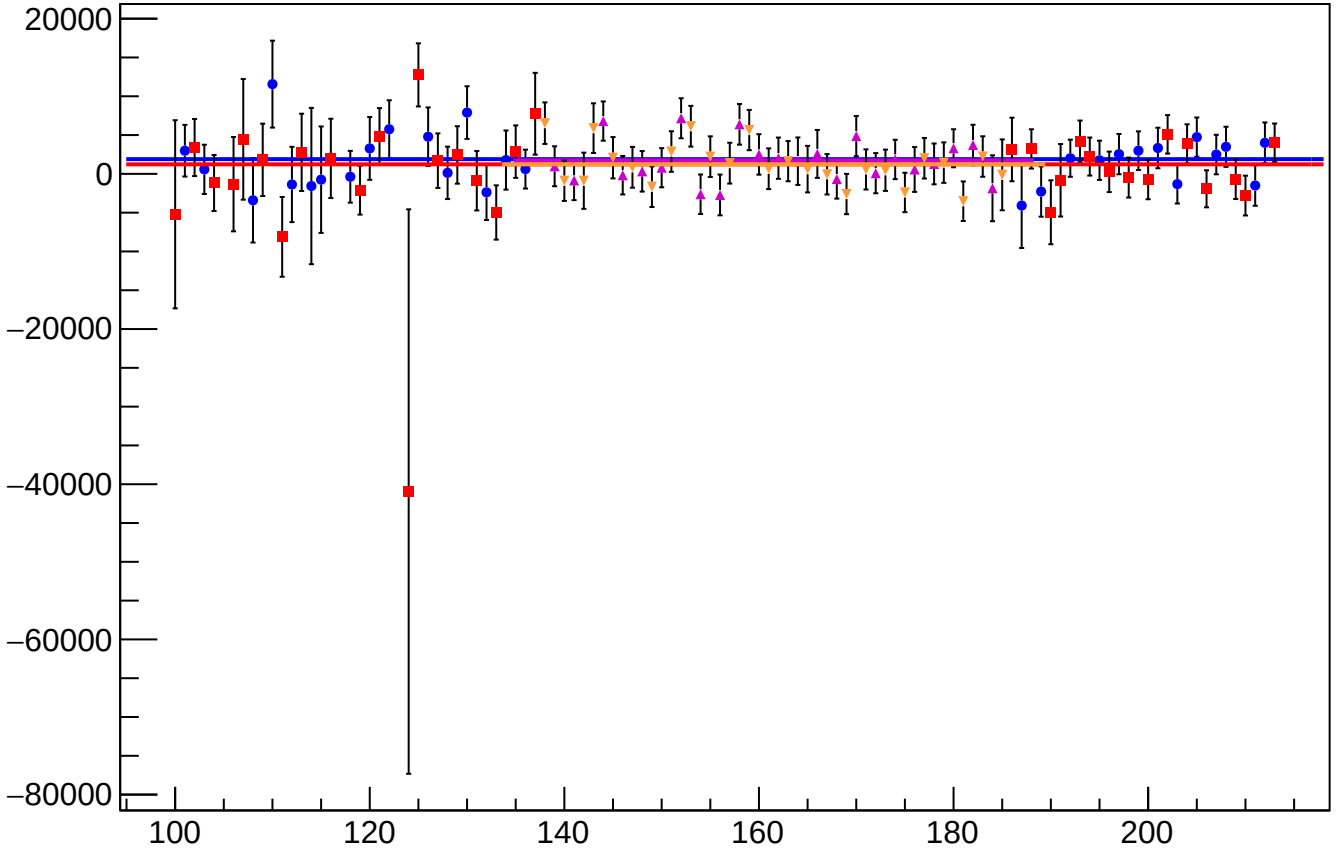
Right: 791.031+/-0.101 χ^2/NDF: 8094398.6/62

In: 685.761+/-0.088 χ^2/NDF:8907589.1/51

Out: 701.609+/-0.087 χ^2/NDF:8094257.4/58

All: 693.822+/-0.062 χ^2/NDF: 17018338.4/11

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1894.405+/-584.240 χ^2/NDF: 21.3/28

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

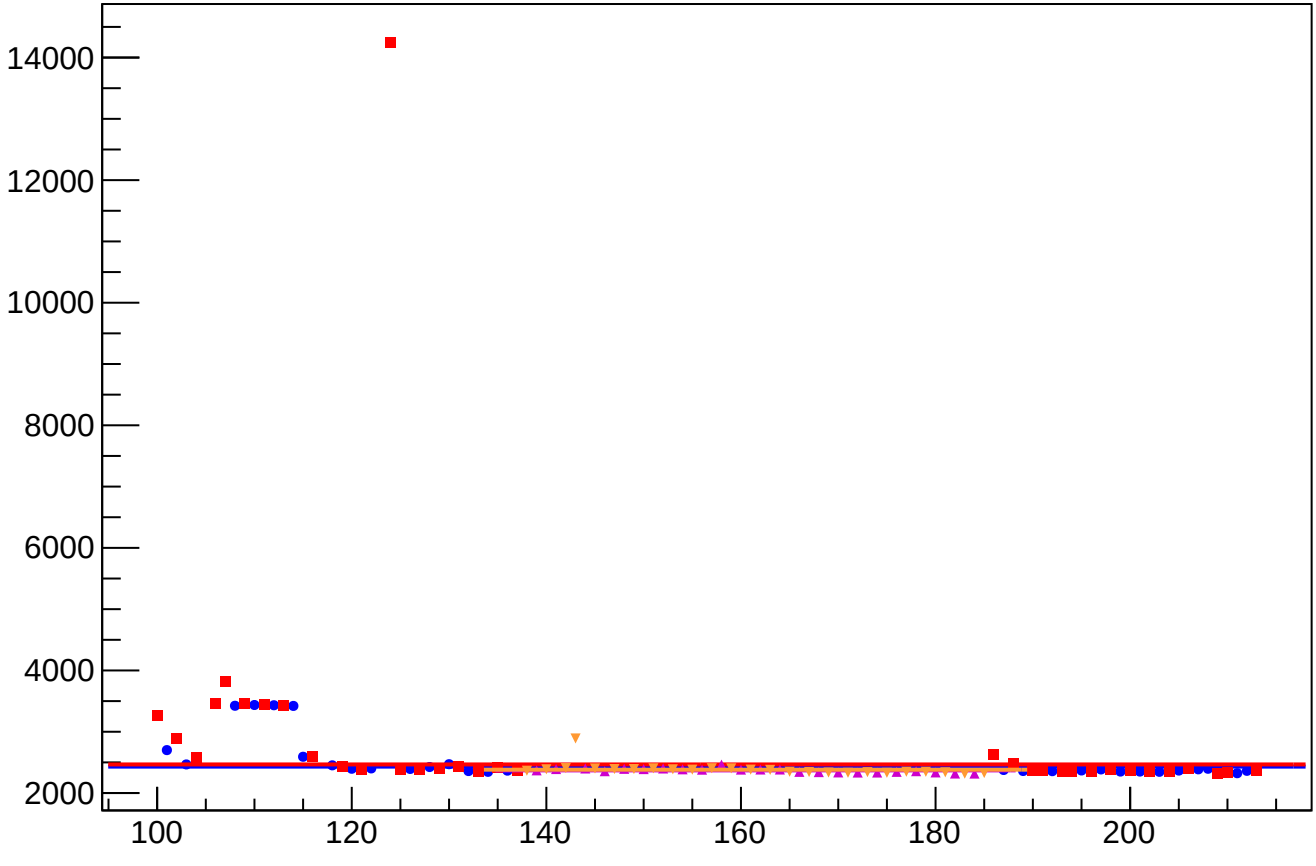
Right: 1553.661+/-408.099 χ^2/NDF: 59.1/62

In: 1813.940+/-401.718 χ^2/NDF:45.8/51

Out: 1231.999+/-392.602 χ^2/NDF:61.0/58

All: 1516.292+/-280.779 χ^2/NDF: 107.8/110

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2431.277+/-0.413 χ^2/NDF: 272166.8/28

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

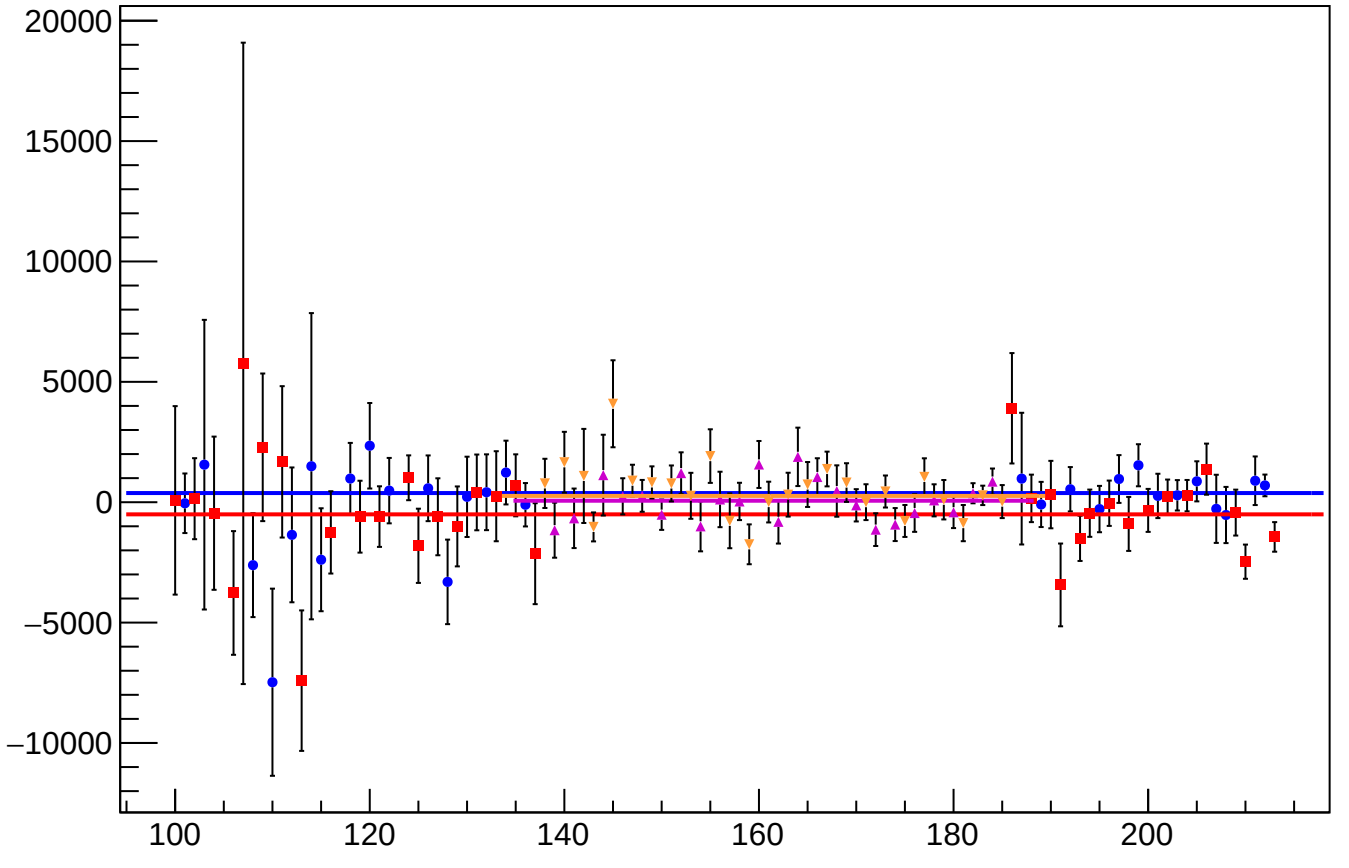
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2449.370+/-0.289 χ^2/NDF: 929203.6/62

In: 2398.646+/-0.284 χ^2/NDF:291034.4/51

Out: 2421.696+/-0.278 χ^2/NDF:734493.3/58

All: 2410.435+/-0.199 χ^2/NDF: 1028895.6/11



Right In: 380.831+/-203.329 χ^2/NDF: 19.7/28

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

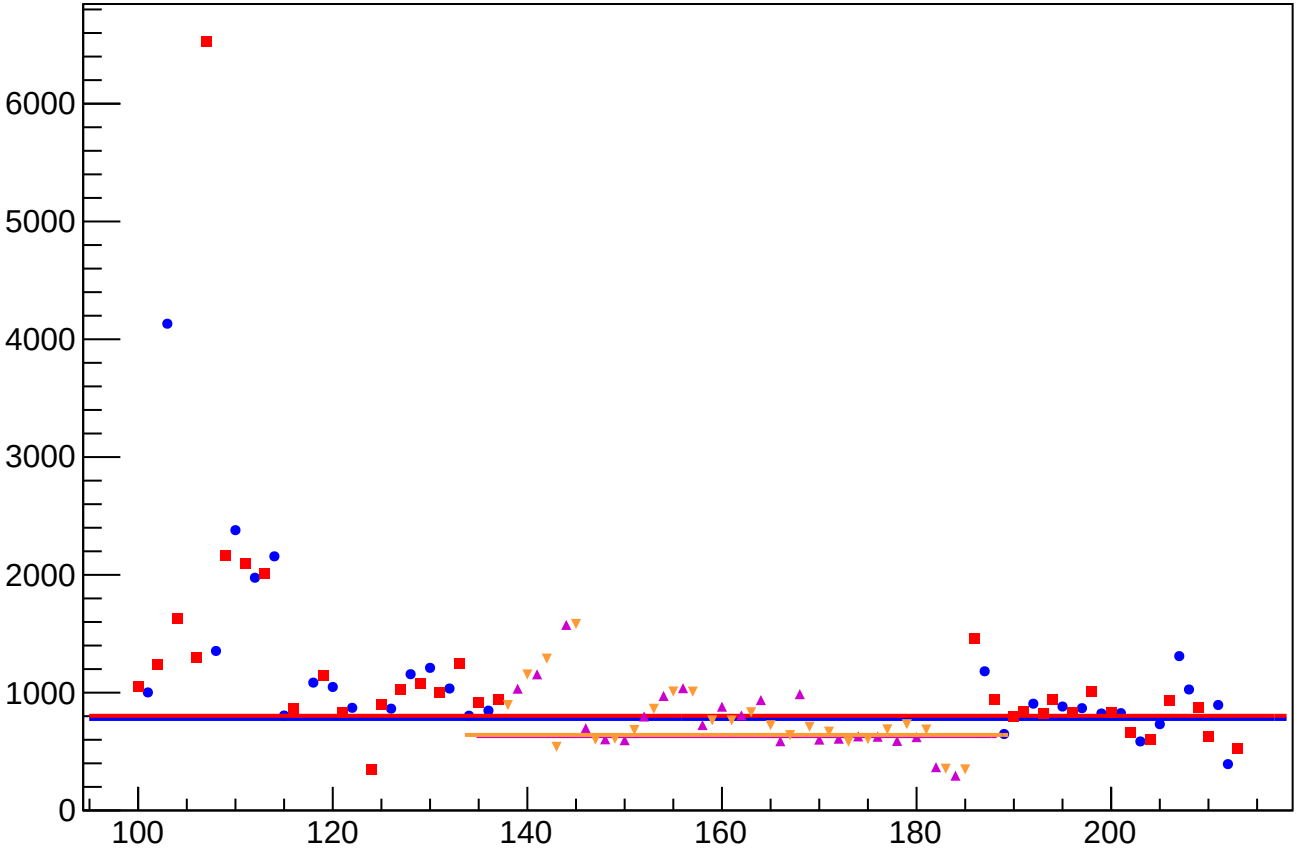
Right: -65.613+/-143.117 χ^2/NDF: 68.3/62

In: 181.447+/-124.461 χ^2/NDF:43.2/51

Out: -20.398+/-122.358 χ^2/NDF:79.3/58

All: 78.805+/-87.254 χ^2/NDF: 123.9/110

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 776.833+/-0.144 χ^2/NDF: 4290289.3/28

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

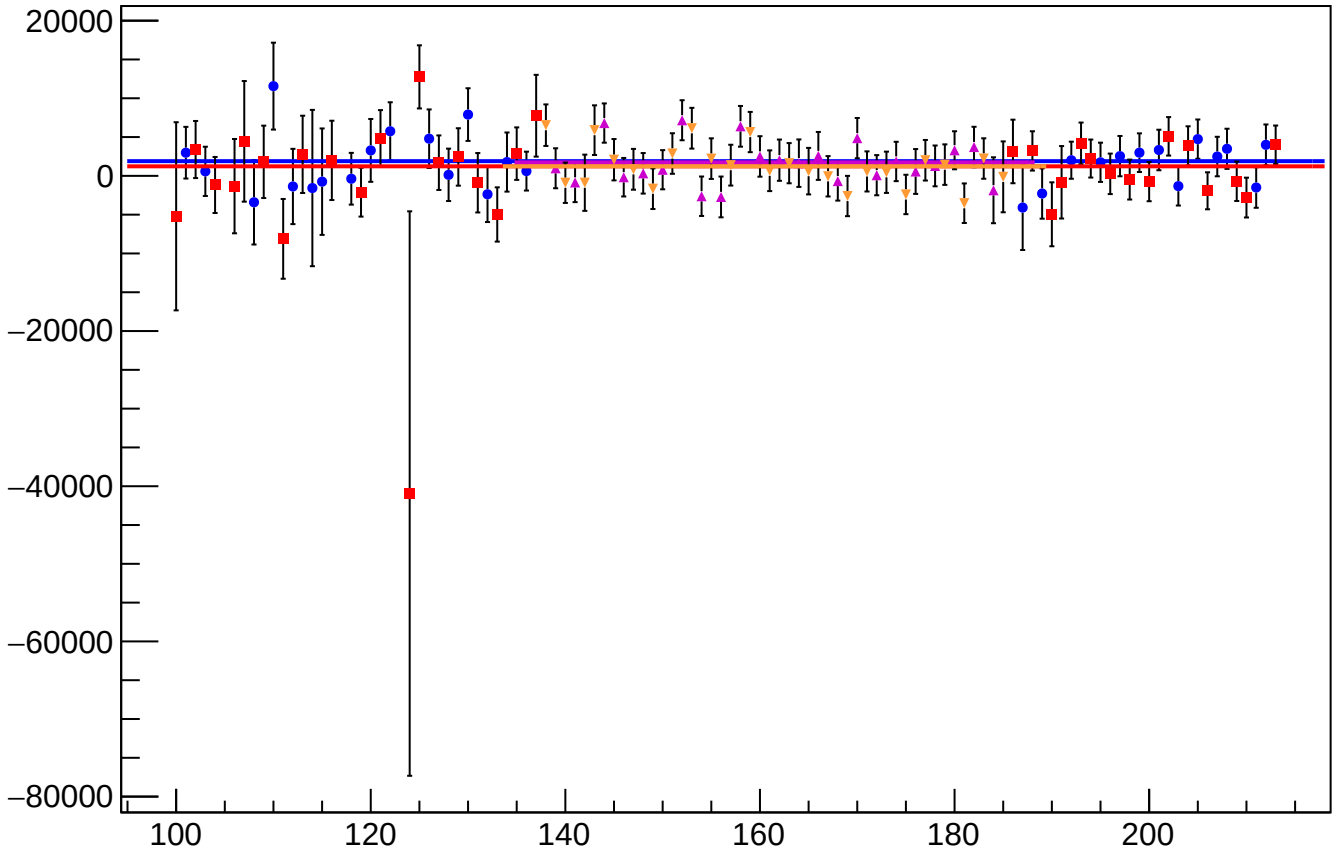
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 790.300+/-0.101 χ^2/NDF: 8106225.6/62

In: 685.764+/-0.088 χ^2/NDF:8907459.0/51

Out: 701.047+/-0.087 χ^2/NDF:8092834.6/58

All: 693.536+/-0.062 χ^2/NDF: 17015628.2/11



Right In: 1894.405+/-584.240 χ^2/NDF: 21.3/28

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

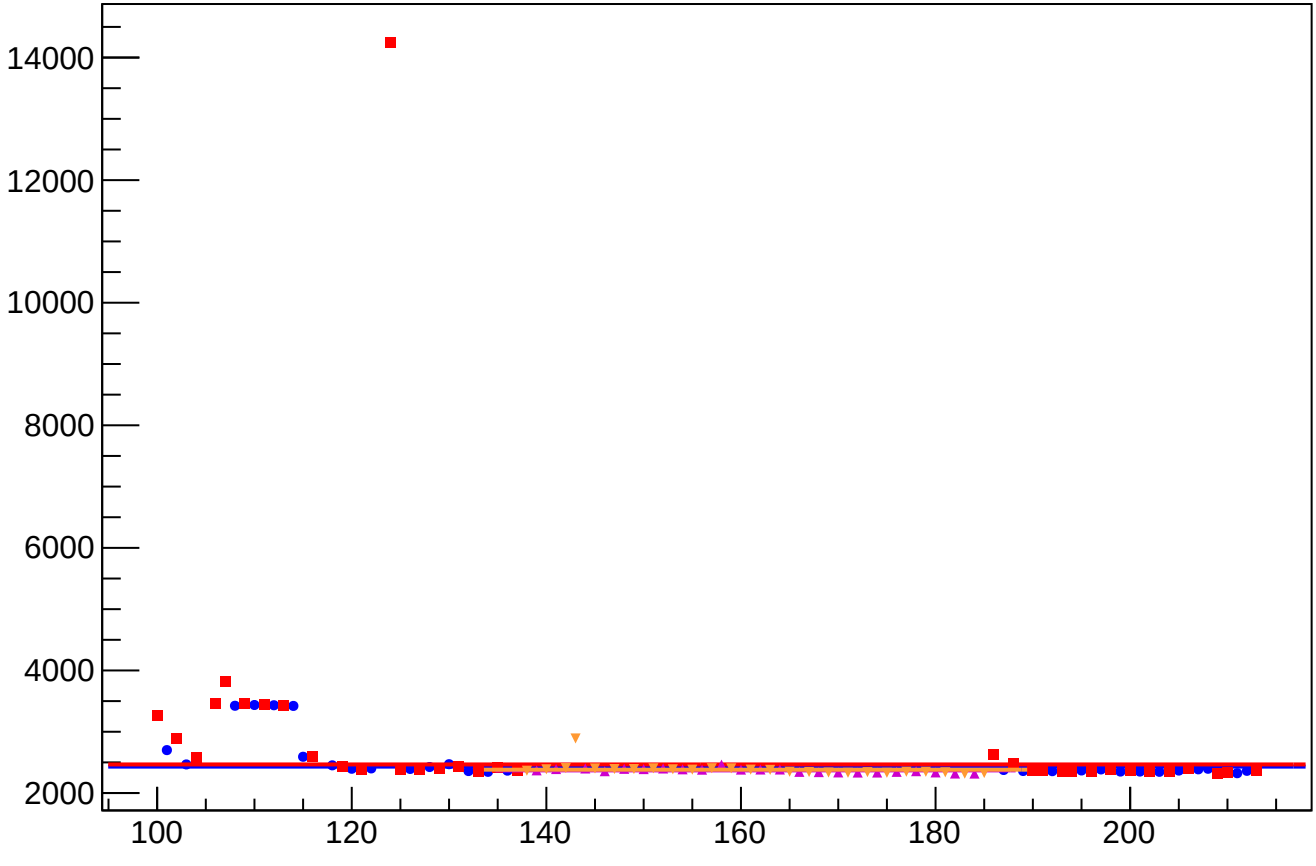
Right: 1553.661+/-408.099 χ^2/NDF: 59.1/62

In: 1813.940+/-401.718 χ^2/NDF:45.8/51

Out: 1231.999+/-392.602 χ^2/NDF:61.0/58

All: 1516.292+/-280.779 χ^2/NDF: 107.8/110

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2431.277+/-0.413 χ^2/NDF: 272166.8/28

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

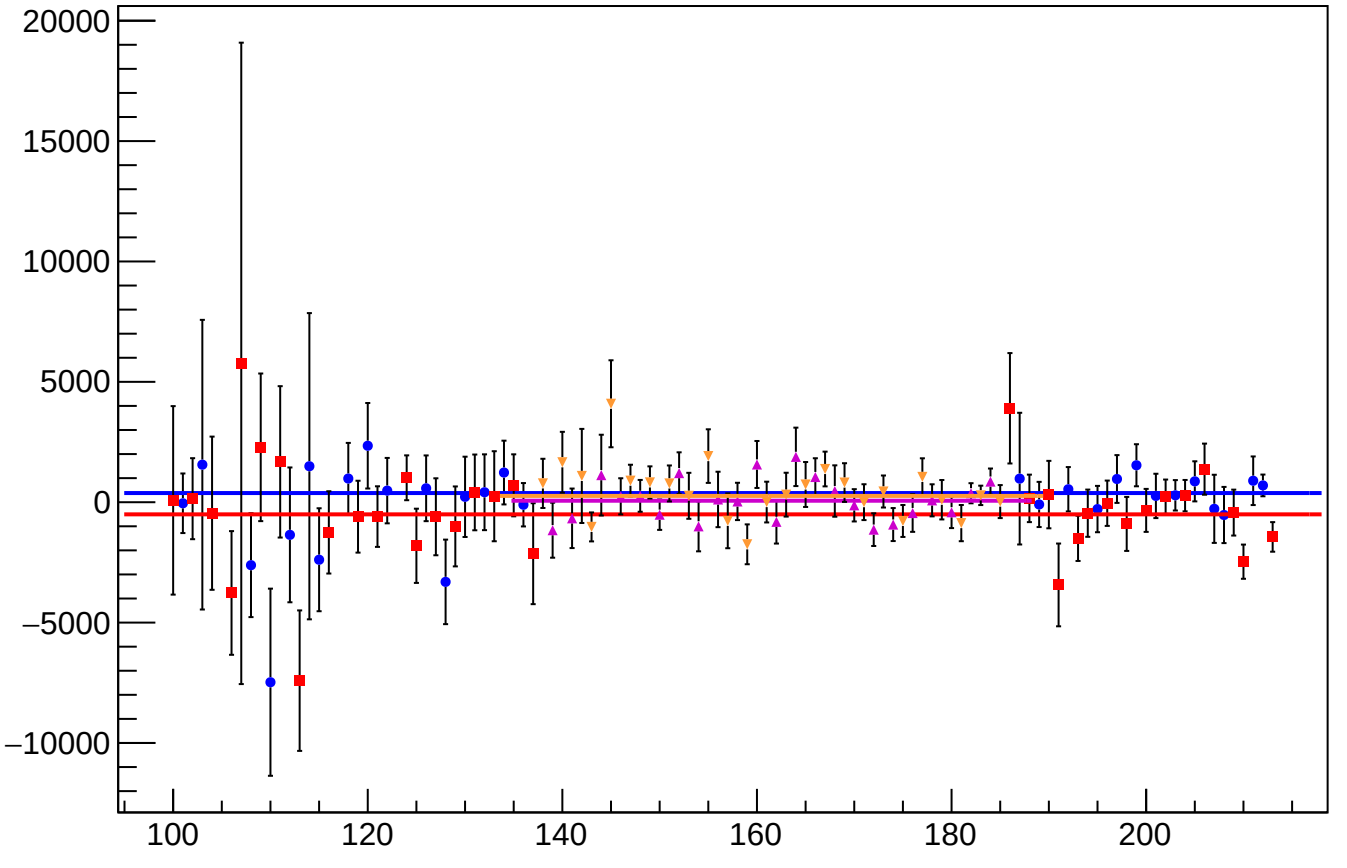
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2449.370+/-0.289 χ^2/NDF: 929203.6/62

In: 2398.646+/-0.284 χ^2/NDF:291034.4/51

Out: 2421.696+/-0.278 χ^2/NDF:734493.3/58

All: 2410.435+/-0.199 χ^2/NDF: 1028895.6/11



Right In: 380.831+/-203.329 χ^2/NDF: 19.7/28

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

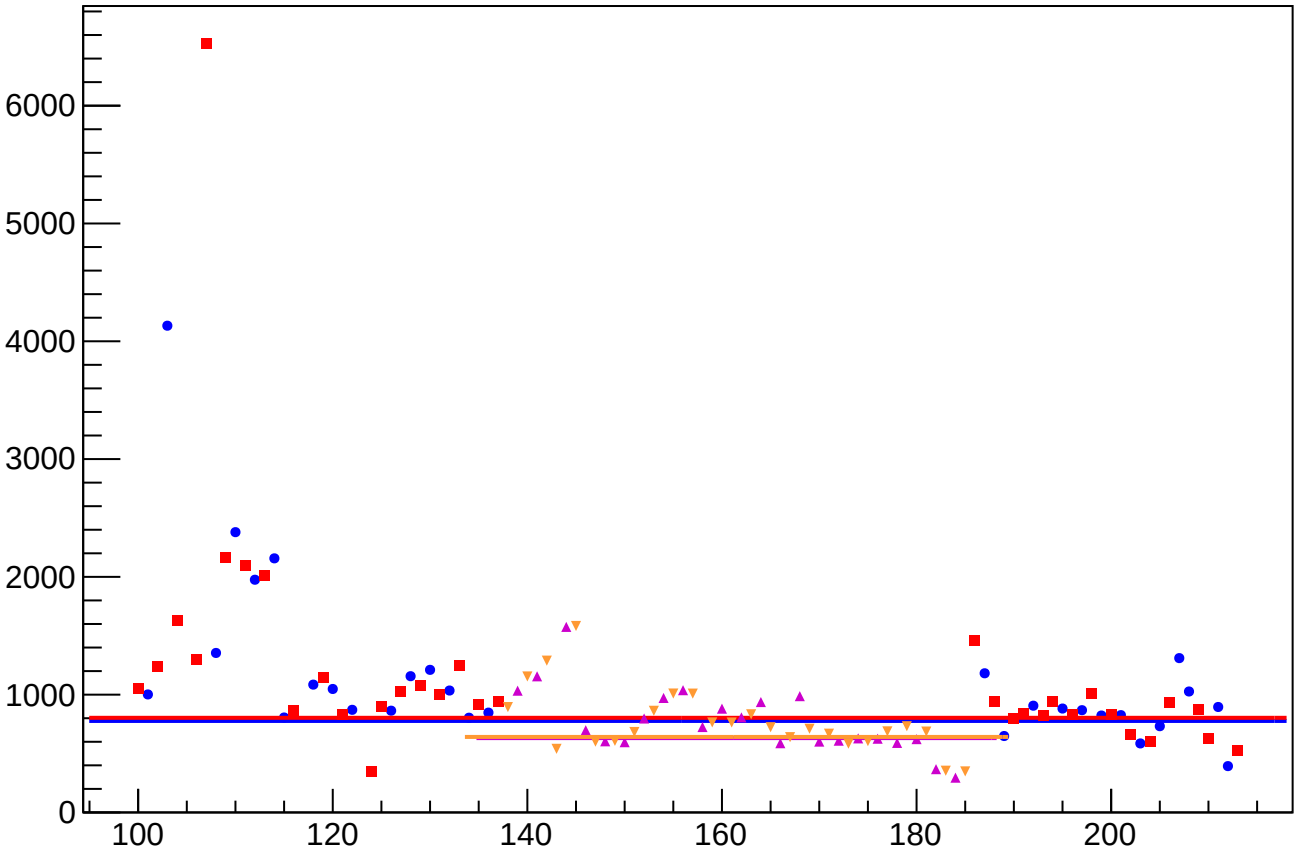
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -65.613+/-143.117 χ^2/NDF: 68.3/62

In: 181.447+/-124.461 χ^2/NDF:43.2/51

Out: -20.398+/-122.358 χ^2/NDF:79.3/58

All: 78.805+/-87.254 χ^2/NDF: 123.9/110



Right In: 776.833+/-0.144 χ^2/NDF: 4290289.3/28

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

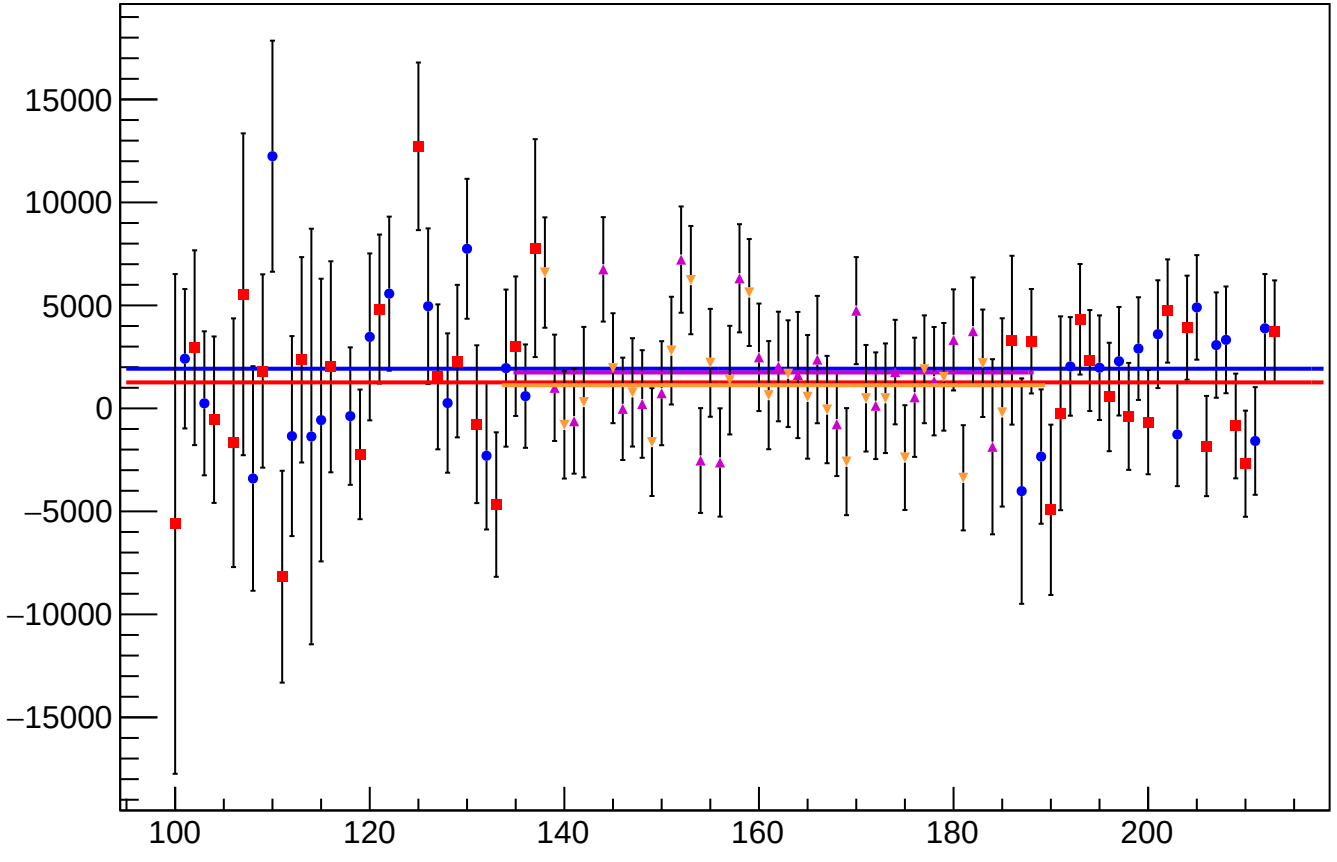
Right: 790.300+/-0.101 χ^2/NDF: 8106225.6/62

In: 685.764+/-0.088 χ^2/NDF:8907459.0/51

Out: 701.047+/-0.087 χ^2/NDF:8092834.6/58

All: 693.536+/-0.062 χ^2/NDF: 17015628.2/11

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1926.444+/-587.787 χ^2/NDF: 21.7/28

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

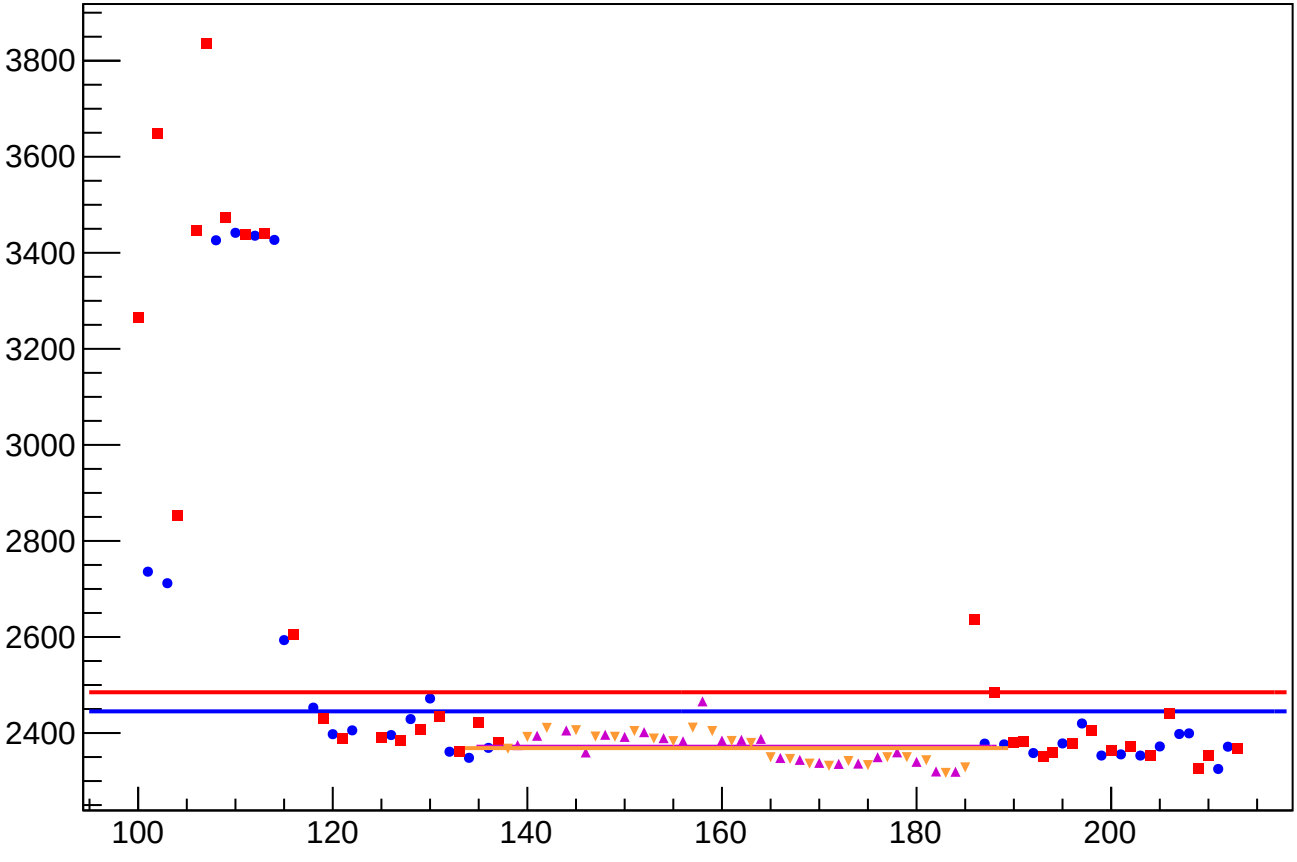
Right: 1588.042+/-411.663 χ^2/NDF: 56.5/61

In: 1828.889+/-403.058 χ^2/NDF:45.5/51

Out: 1190.646+/-397.960 χ^2/NDF:55.4/56

All: 1505.705+/-283.185 χ^2/NDF: 102.2/108

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2445.115+/-0.416 χ^2/NDF: 284589.7/28

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

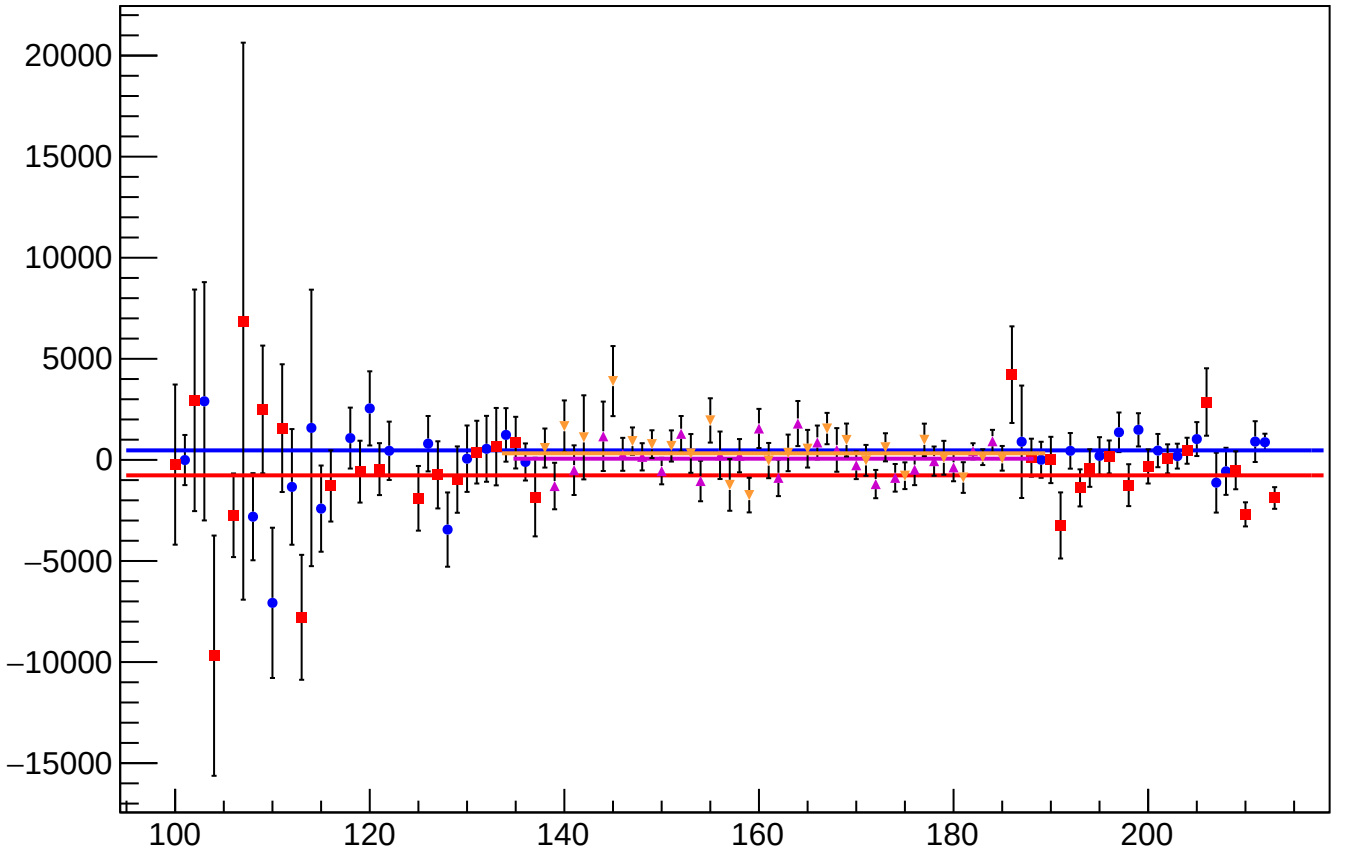
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2465.378+/-0.291 χ^2/NDF: 840370.5/61

In: 2406.124+/-0.285 χ^2/NDF:308254.7/51

Out: 2423.952+/-0.281 χ^2/NDF:599304.3/56

All: 2415.152+/-0.200 χ^2/NDF: 909540.3/108



Right In: 470.774+/-197.619 χ^2/NDF: 22.3/28

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -764.819+/-198.055 χ^2/NDF: 49.2/32

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

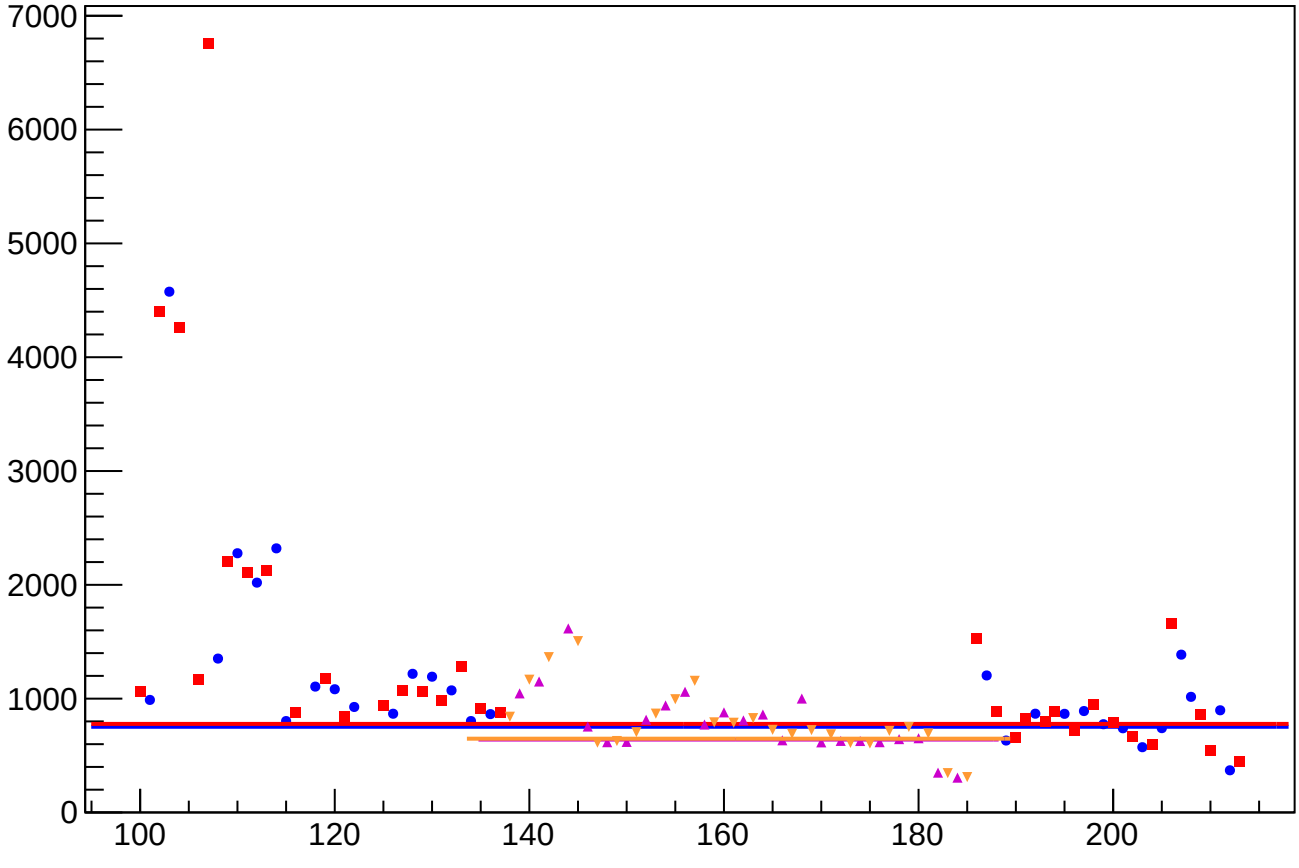
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -145.662+/-139.891 χ^2/NDF: 91.0/61

In: 222.012+/-124.197 χ^2/NDF:47.6/51

Out: -104.932+/-124.480 χ^2/NDF:94.3/56

All: 58.912+/-87.920 χ^2/NDF: 145.4/108



Right In: 752.927+/-0.140 χ^2/NDF: 5028766.7/28

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

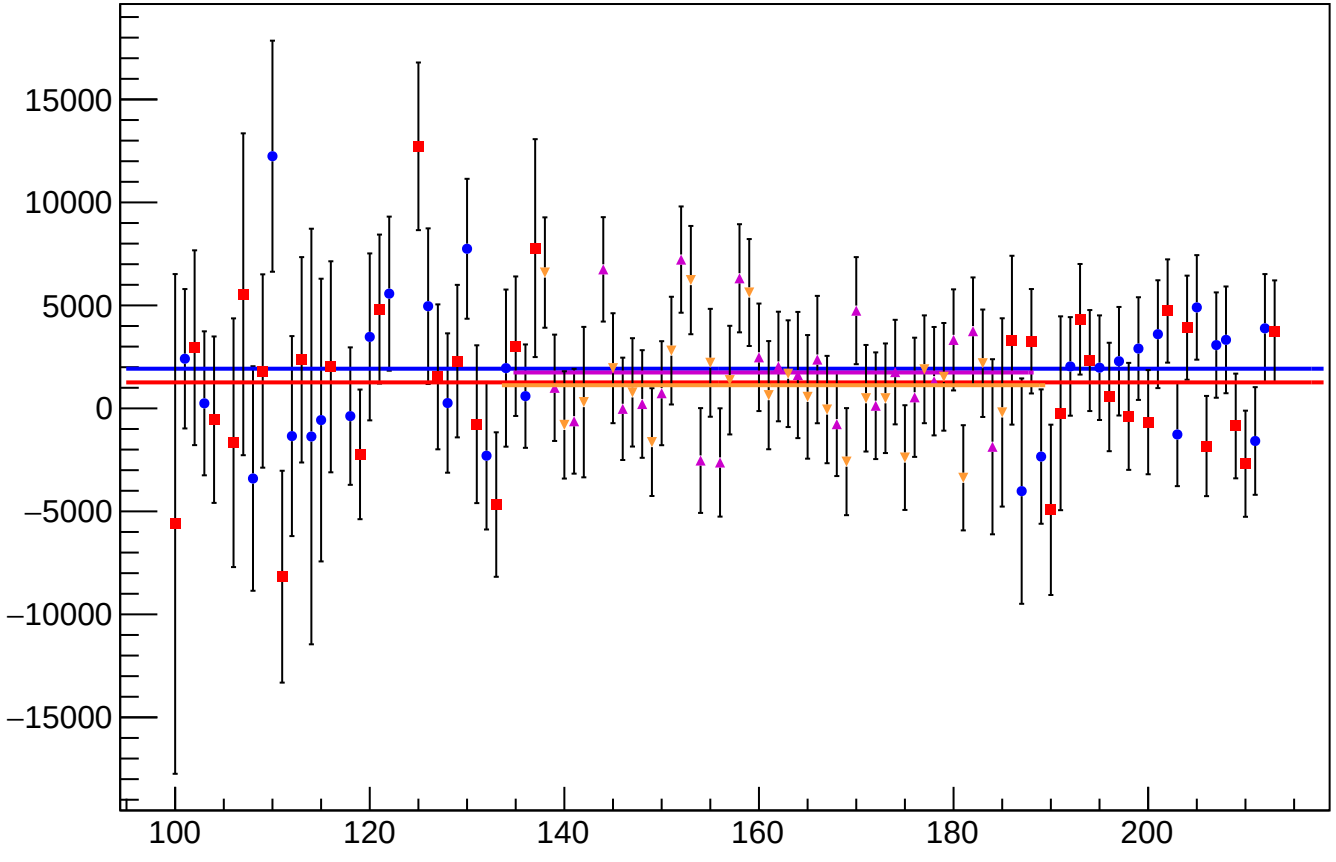
Right: 765.438+/-0.099 χ^2/NDF: 10908210.1/61

In: 684.858+/-0.088 χ^2/NDF:9549714.7/51

Out: 699.416+/-0.088 χ^2/NDF:10270883.4/56

All: 692.120+/-0.062 χ^2/NDF: 19834306.3/10

eigen_dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1926.441+/-587.787 χ^2/NDF: 21.7/28

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

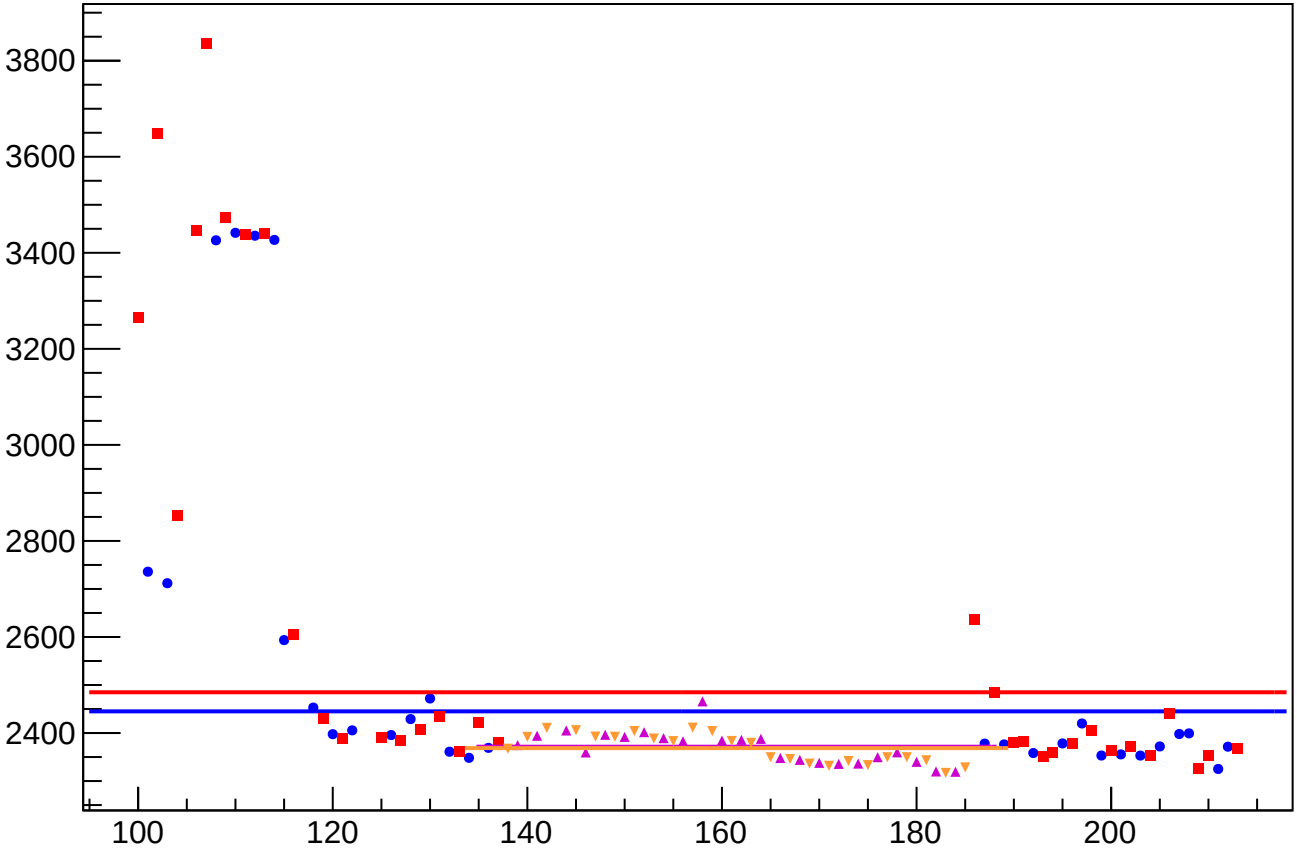
Right: 1588.040+/-411.663 χ^2/NDF: 56.5/61

In: 1828.888+/-403.058 χ^2/NDF:45.5/51

Out: 1190.646+/-397.960 χ^2/NDF:55.4/56

All: 1505.705+/-283.185 χ^2/NDF: 102.2/108

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2445.115+/-0.416 χ^2/NDF: 284589.3/28

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

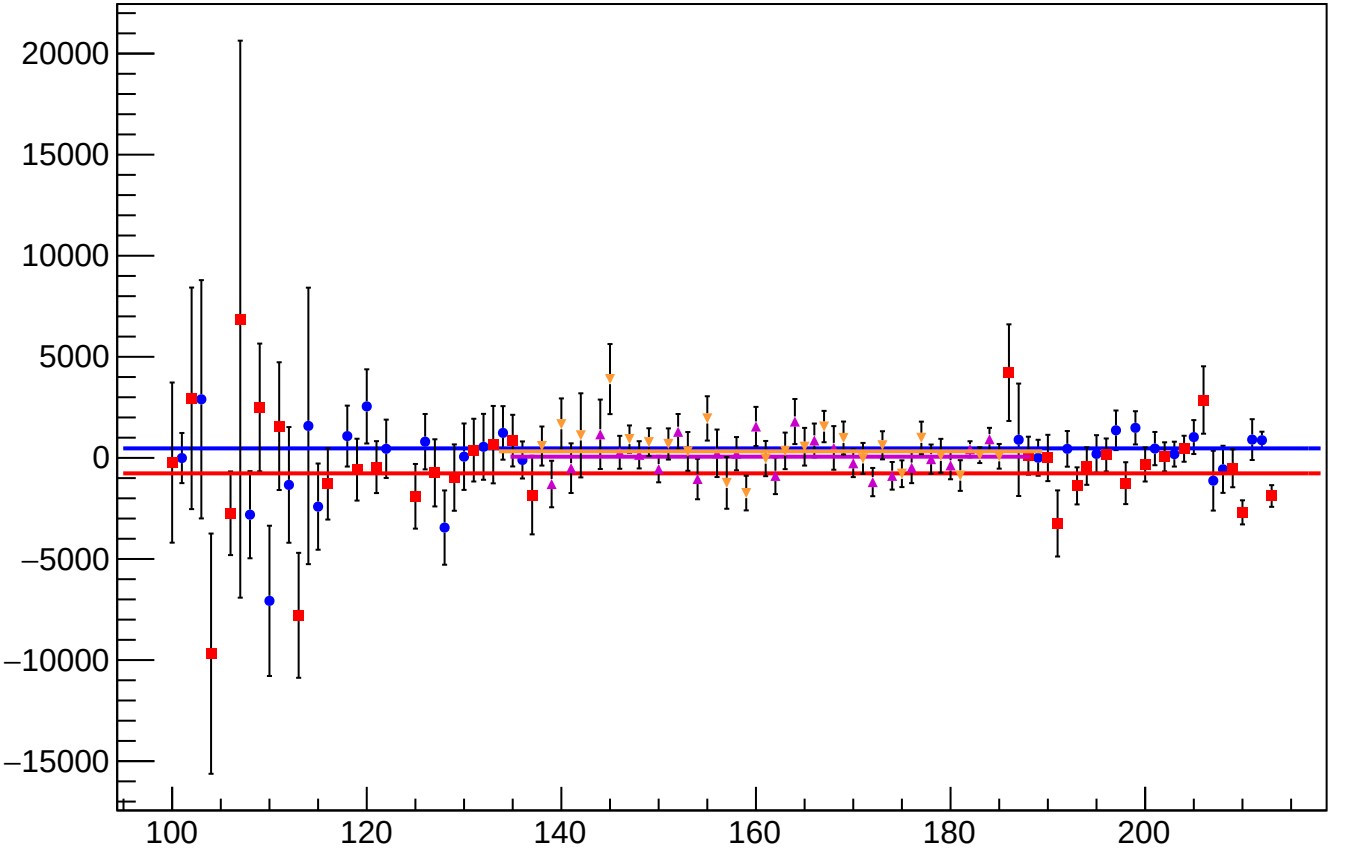
Right: 2465.378+/-0.291 χ^2/NDF: 840369.1/61

In: 2406.124+/-0.285 χ^2/NDF:308254.2/51

Out: 2423.952+/-0.281 χ^2/NDF:599303.3/56

All: 2415.152+/-0.200 χ^2/NDF: 909538.8/108

asym_atl1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 470.773+/-197.619 χ^2/NDF: 22.3/28

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

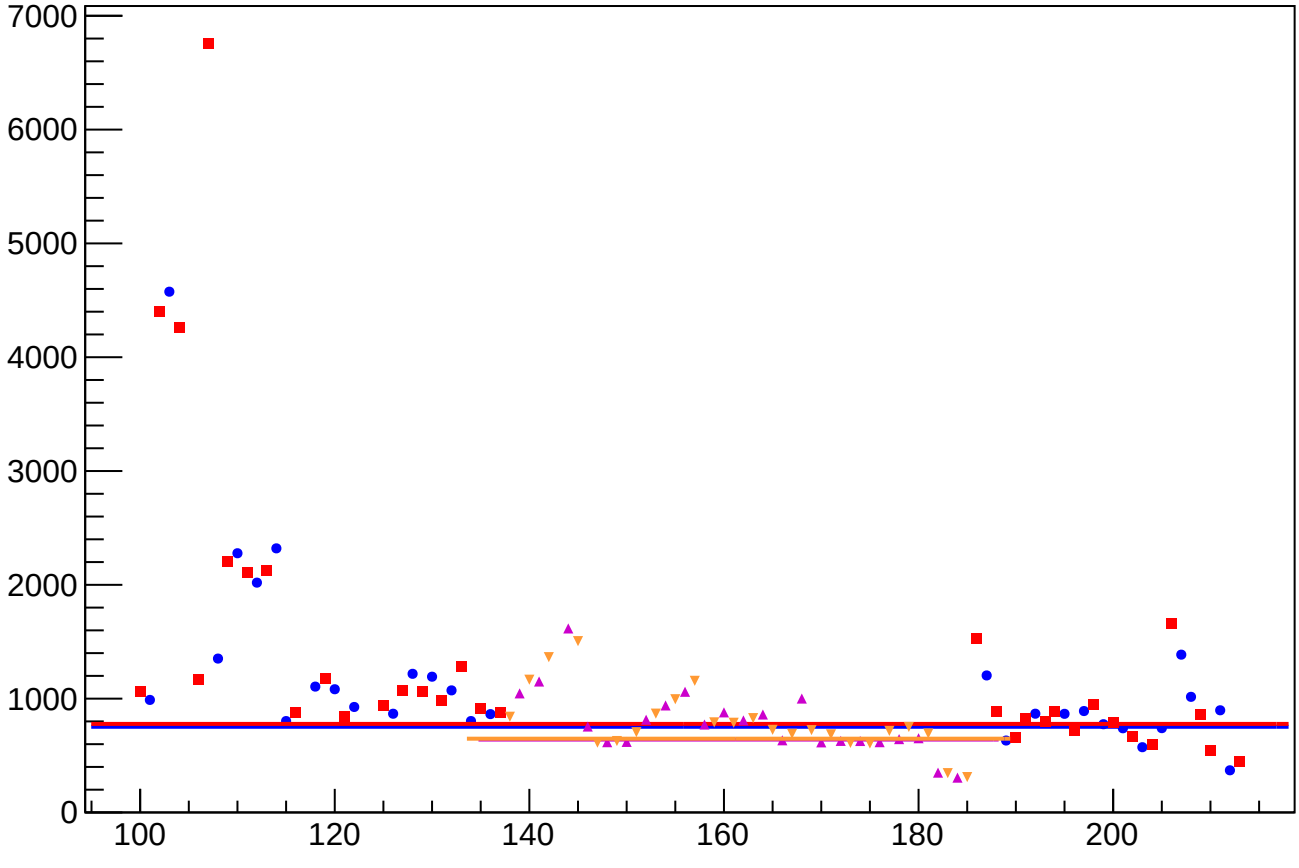
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -145.662+/-139.891 χ^2/NDF: 91.0/61

In: 222.013+/-124.197 χ^2/NDF:47.6/51

Out: -104.933+/-124.480 χ^2/NDF:94.3/56

All: 58.912+/-87.920 χ^2/NDF: 145.4/108



Right In: 752.926+/-0.140 χ^2/NDF: 5028773.7/28

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

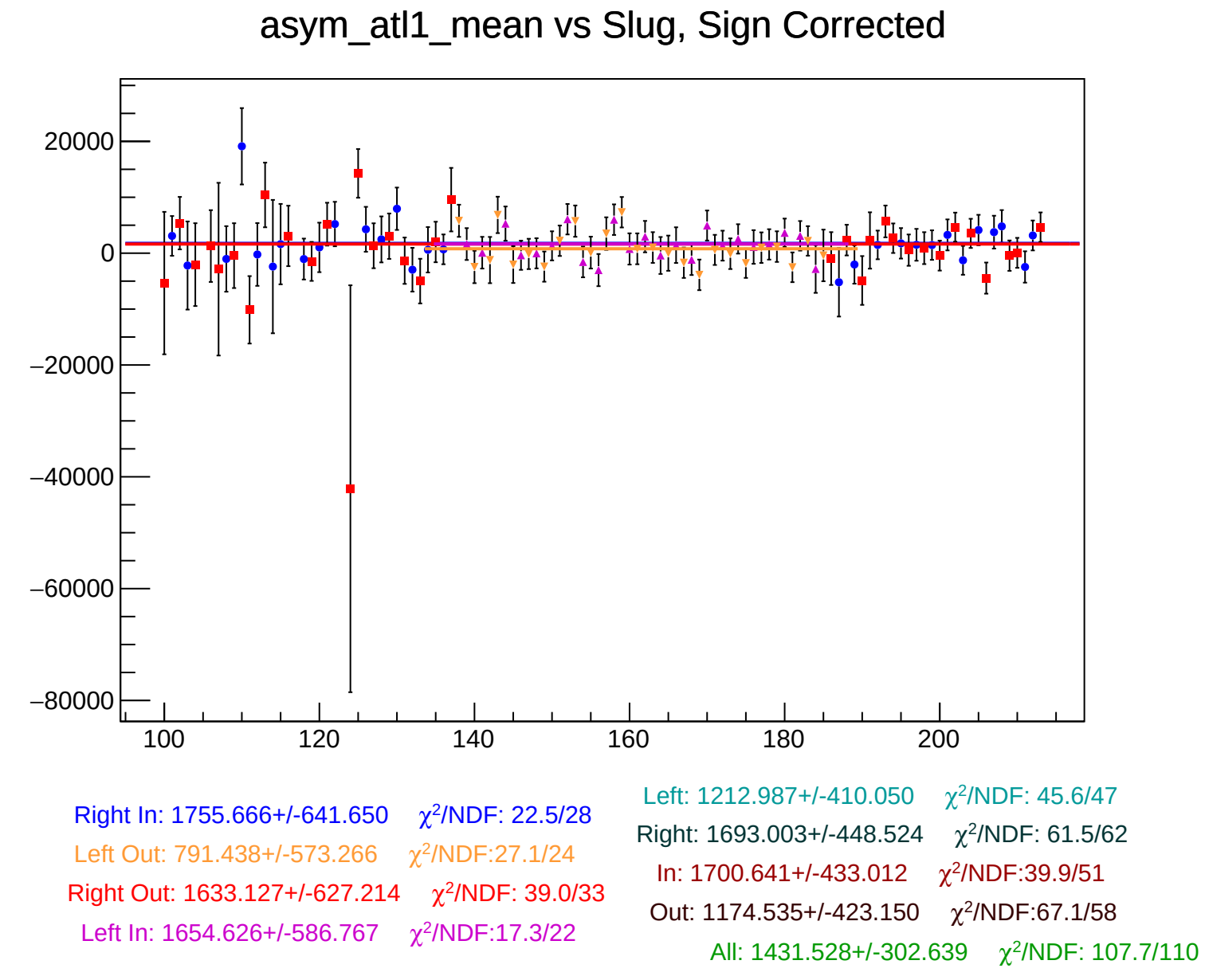
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 765.437+/-0.099 χ^2/NDF: 10908226.9/61

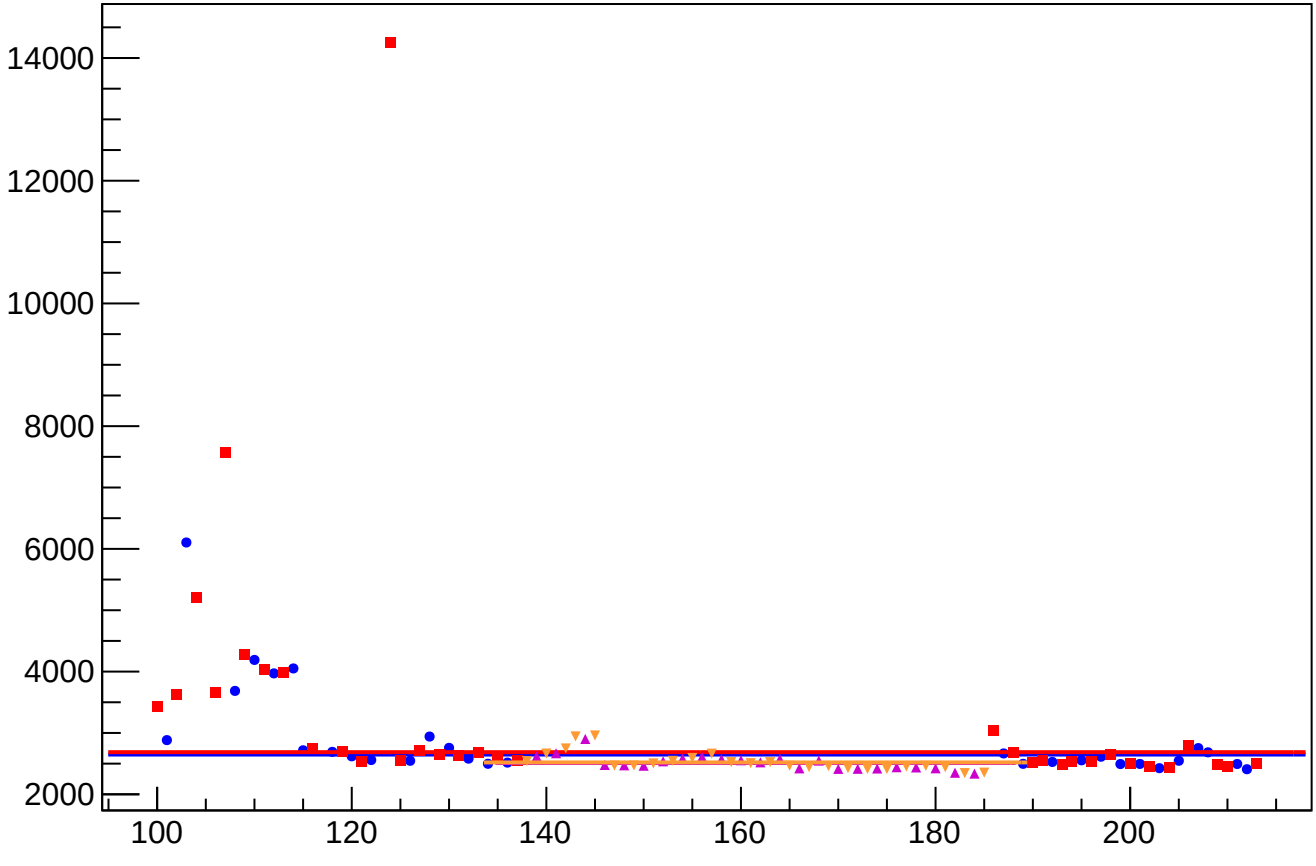
In: 684.858+/-0.088 χ^2/NDF:9549726.4/51

Out: 699.416+/-0.088 χ^2/NDF:10270892.2/56

All: 692.121+/-0.062 χ^2/NDF: 19834327.0/10


asym_atl1_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: 1755.666+/-641.650 χ²/NDF: 22.5/28
Left Out: 791.438+/-573.266 χ²/NDF:27.1/24
Right Out: 1633.127+/-627.214 χ²/NDF: 39.0/33
Left In: 1654.626+/-586.767 χ²/NDF:17.3/22
Left: 1212.987+/-410.050 χ²/NDF: 45.6/47
Right: 1693.003+/-448.524 χ²/NDF: 61.5/62
In: 1700.641+/-433.012 χ²/NDF:39.9/51
Out: 1174.535+/-423.150 χ²/NDF:67.1/58
All: 1431.528+/-302.639 χ²/NDF: 107.7/110

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2648.266+/-0.454 χ^2/NDF: 785834.3/28

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

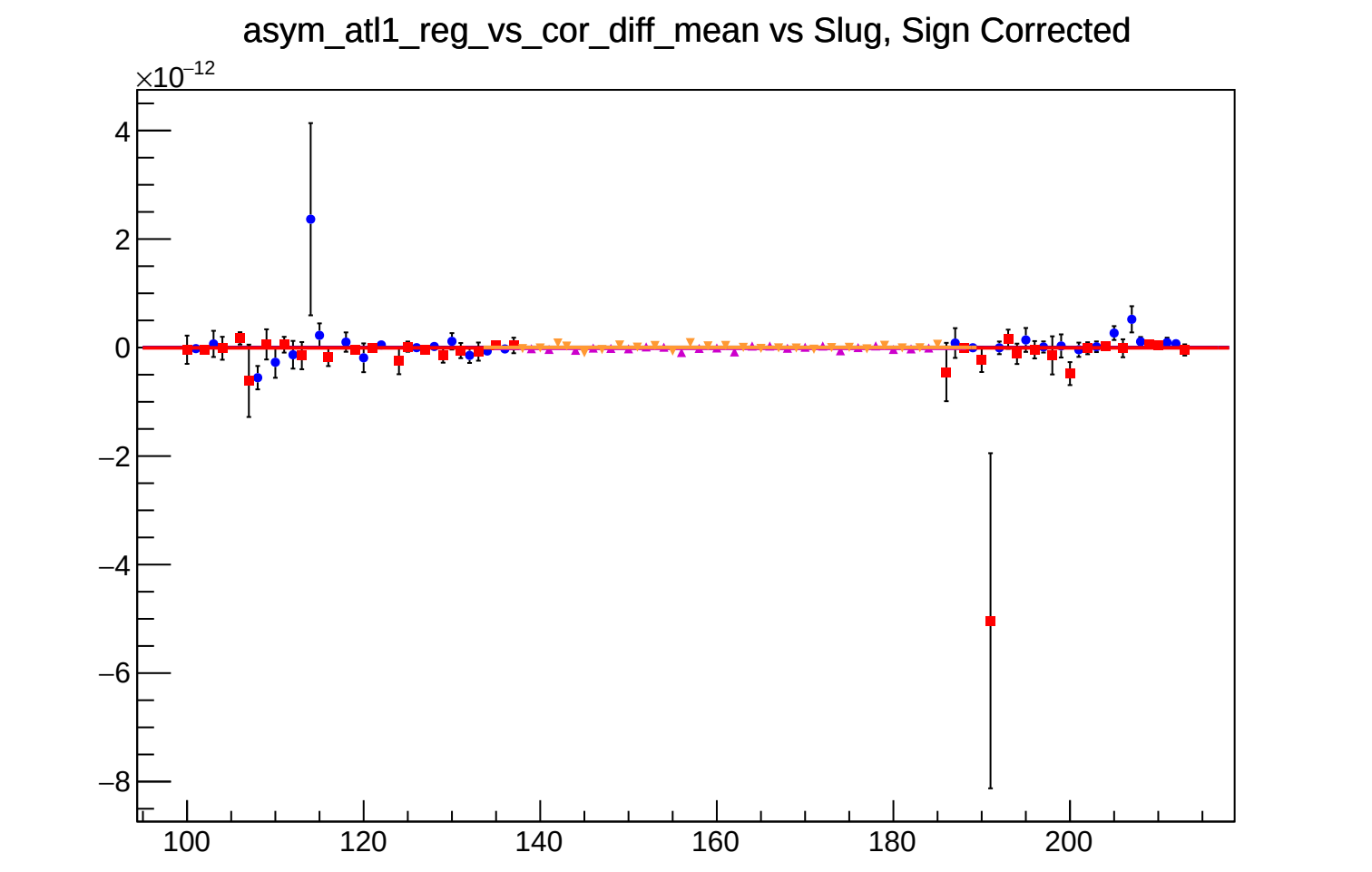
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2667.948+/-0.317 χ^2/NDF: 2037593.0/62

In: 2573.053+/-0.306 χ^2/NDF:910066.5/51

Out: 2595.635+/-0.299 χ^2/NDF:1440756.2/58

All: 2584.604+/-0.214 χ^2/NDF: 2353605.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 30.3/28

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

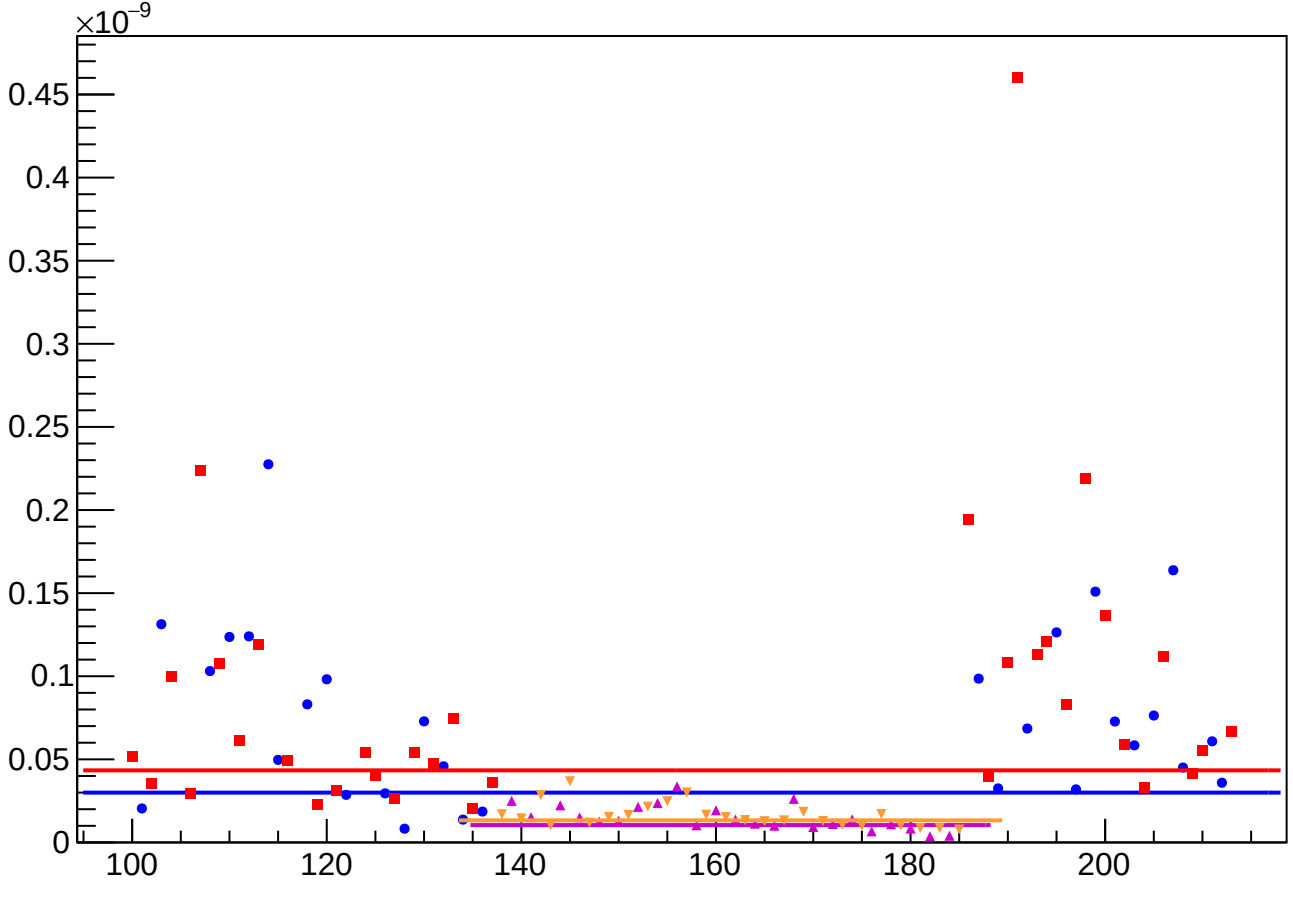
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 51.2/62

In: -0.000+/-0.000 χ^2/NDF:63.4/51

Out: 0.000+/-0.000 χ^2/NDF:49.9/58

All: -0.000+/-0.000 χ^2/NDF: 117.5/110



Right In: 0.000+/-0.000 χ^2/NDF: 5710822.0/28

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

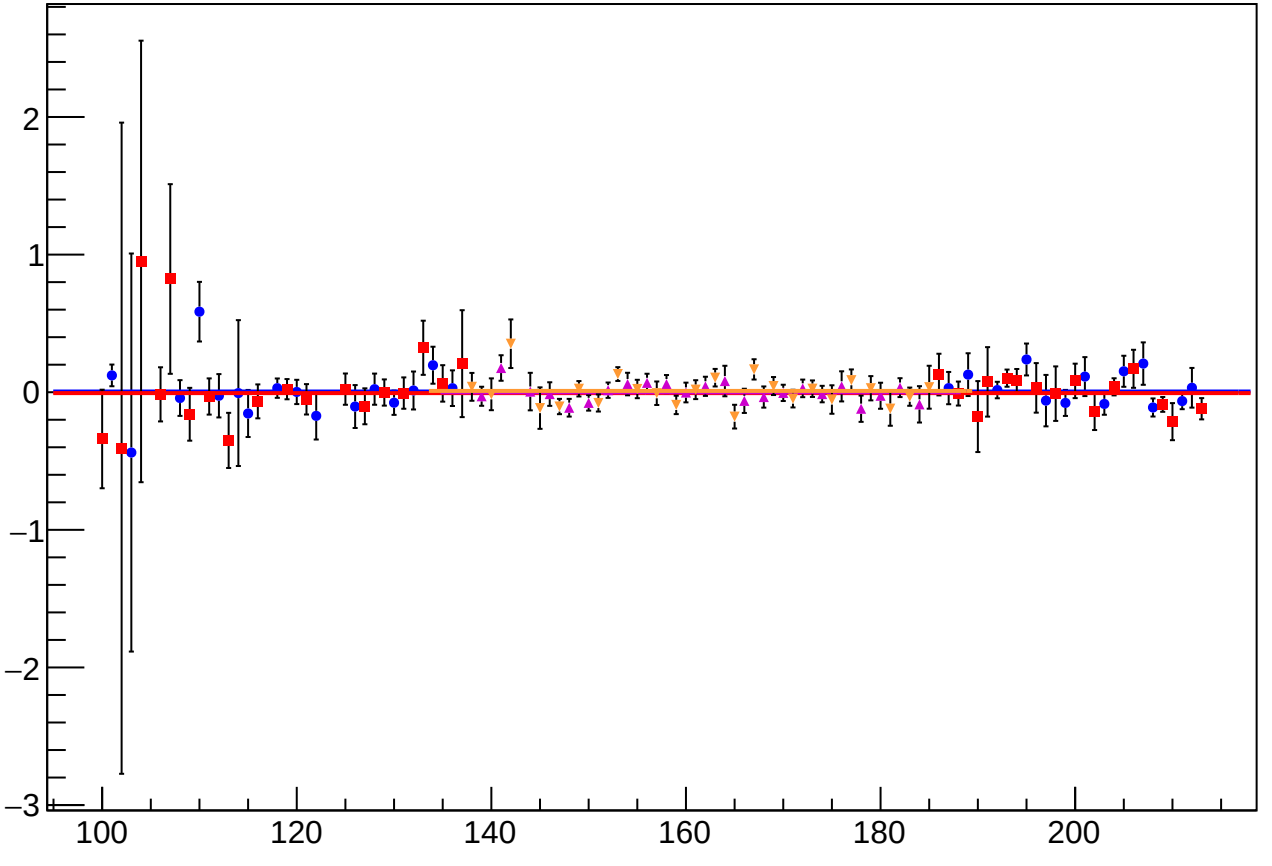
Right: 0.000+/-0.000 χ^2/NDF: 10461791.1/62

In: 0.000+/-0.000 χ^2/NDF:11673064.3/51

Out: 0.000+/-0.000 χ^2/NDF:10546712.1/58

All: 0.000+/-0.000 χ^2/NDF: 22678593.2/110

asym_atl1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.020 χ^2/NDF: 30.6/28

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

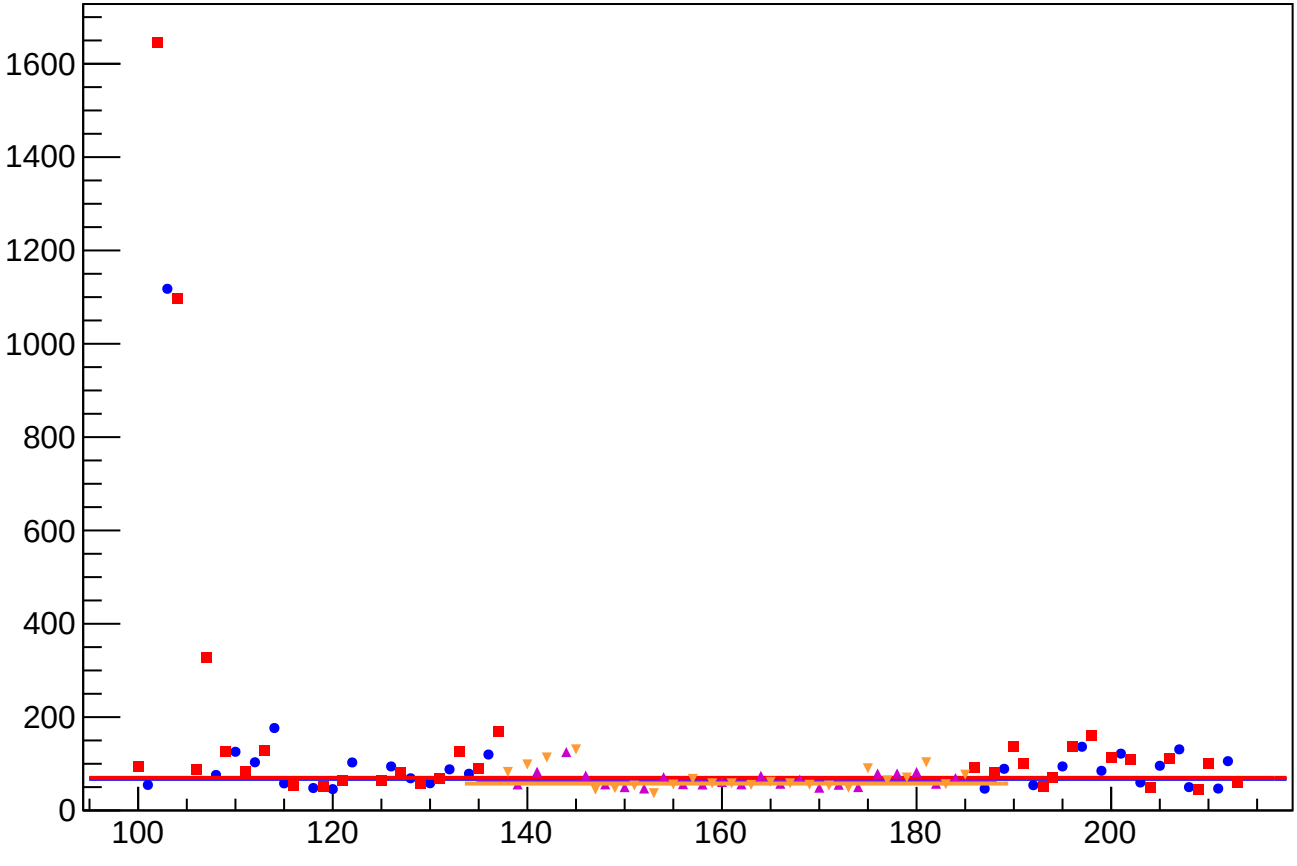
Right: -0.001+/-0.014 χ^2/NDF: 57.9/61

In: 0.002+/-0.012 χ^2/NDF:46.3/51

Out: 0.004+/-0.012 χ^2/NDF:62.2/56

All: 0.003+/-0.009 χ^2/NDF: 108.5/108

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.817+/-0.014 χ^2/NDF: 4231574.7/28

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

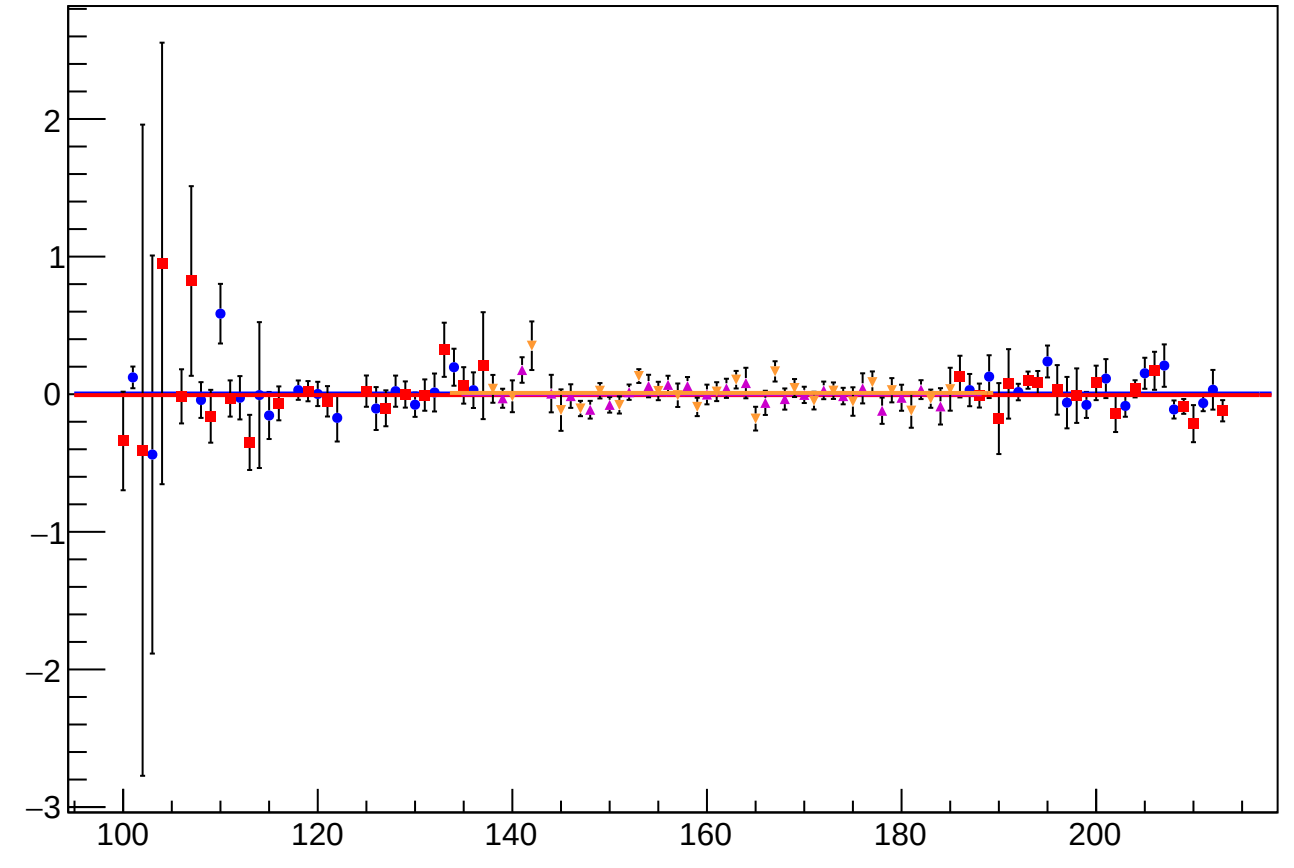
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 68.823+/-0.010 χ^2/NDF: 9671411.4/61

In: 62.904+/-0.009 χ^2/NDF:5777067.3/51

Out: 62.115+/-0.008 χ^2/NDF:8126117.6/56

All: 62.505+/-0.006 χ^2/NDF: 13907453.7/108



Right In: 0.005+/-0.020 χ^2/NDF: 30.6/28

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

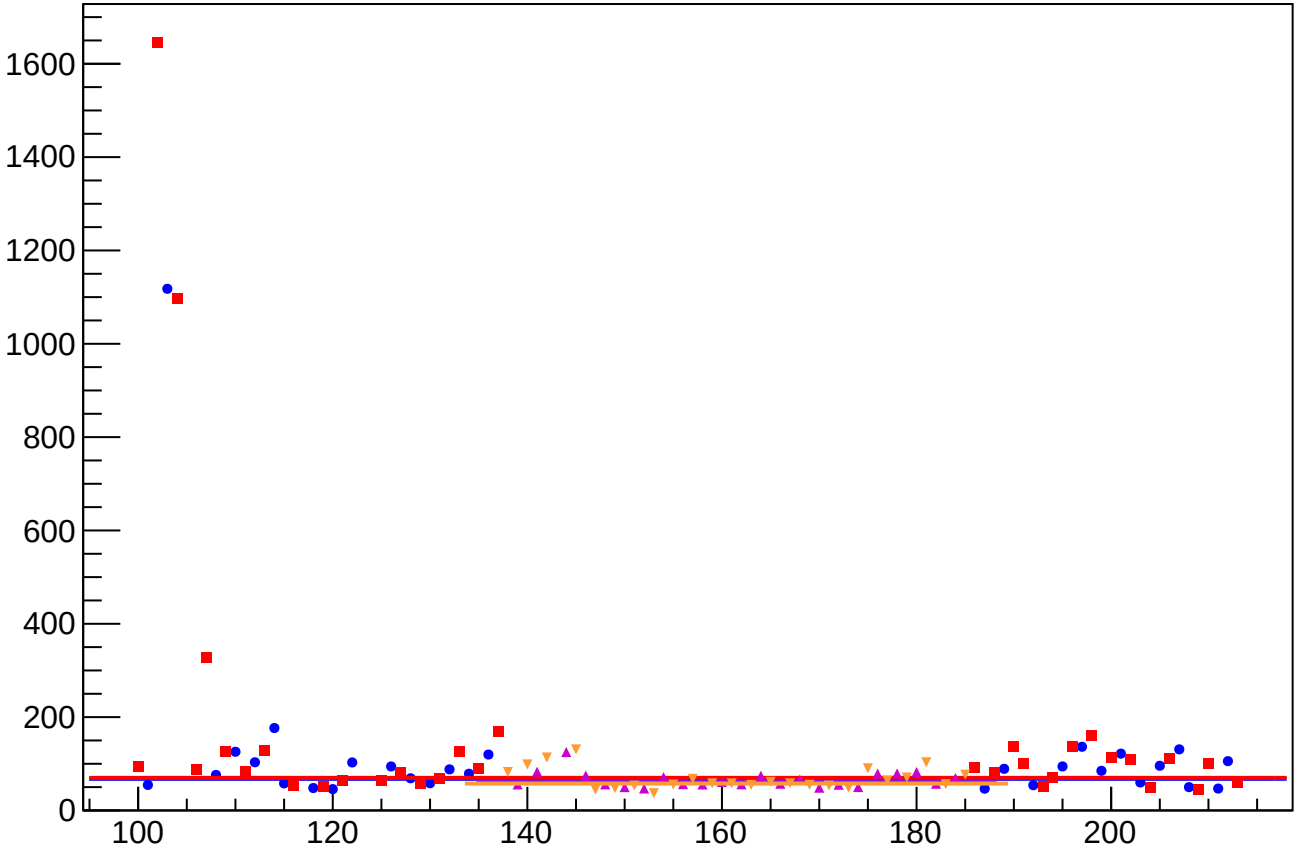
Right: -0.001+/-0.014 χ^2/NDF: 57.9/61

In: 0.002+/-0.012 χ^2/NDF:46.3/51

Out: 0.004+/-0.012 χ^2/NDF:62.2/56

All: 0.003+/-0.009 χ^2/NDF: 108.5/108

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.817+/-0.014 χ^2/NDF: 4231574.7/28

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

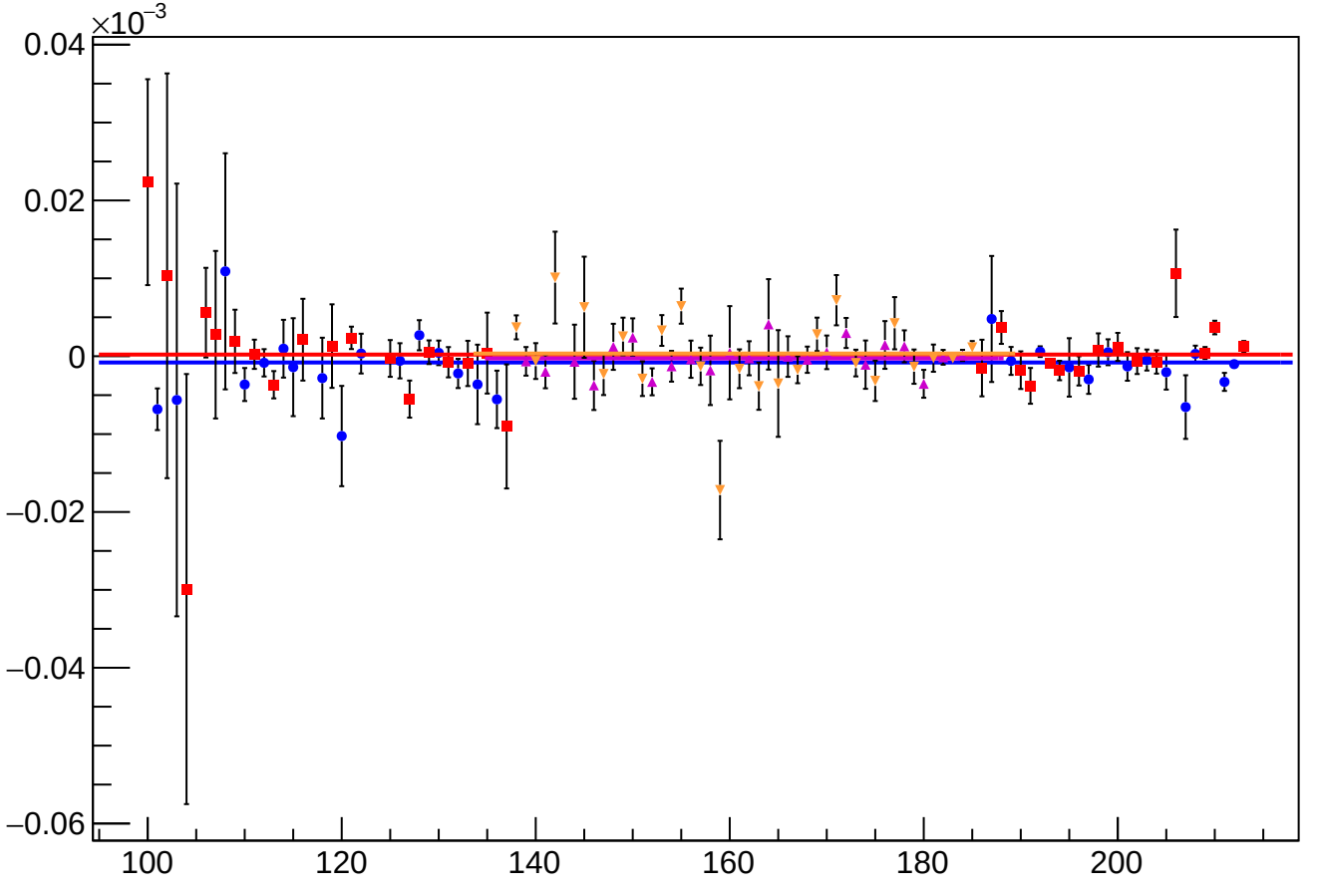
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 68.823+/-0.010 χ^2/NDF: 9671411.4/61

In: 62.904+/-0.009 χ^2/NDF:5777067.3/51

Out: 62.115+/-0.008 χ^2/NDF:8126117.6/56

All: 62.505+/-0.006 χ^2/NDF: 13907453.7/108



Right In: -0.000+/-0.000 χ^2/NDF: 31.5/28

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

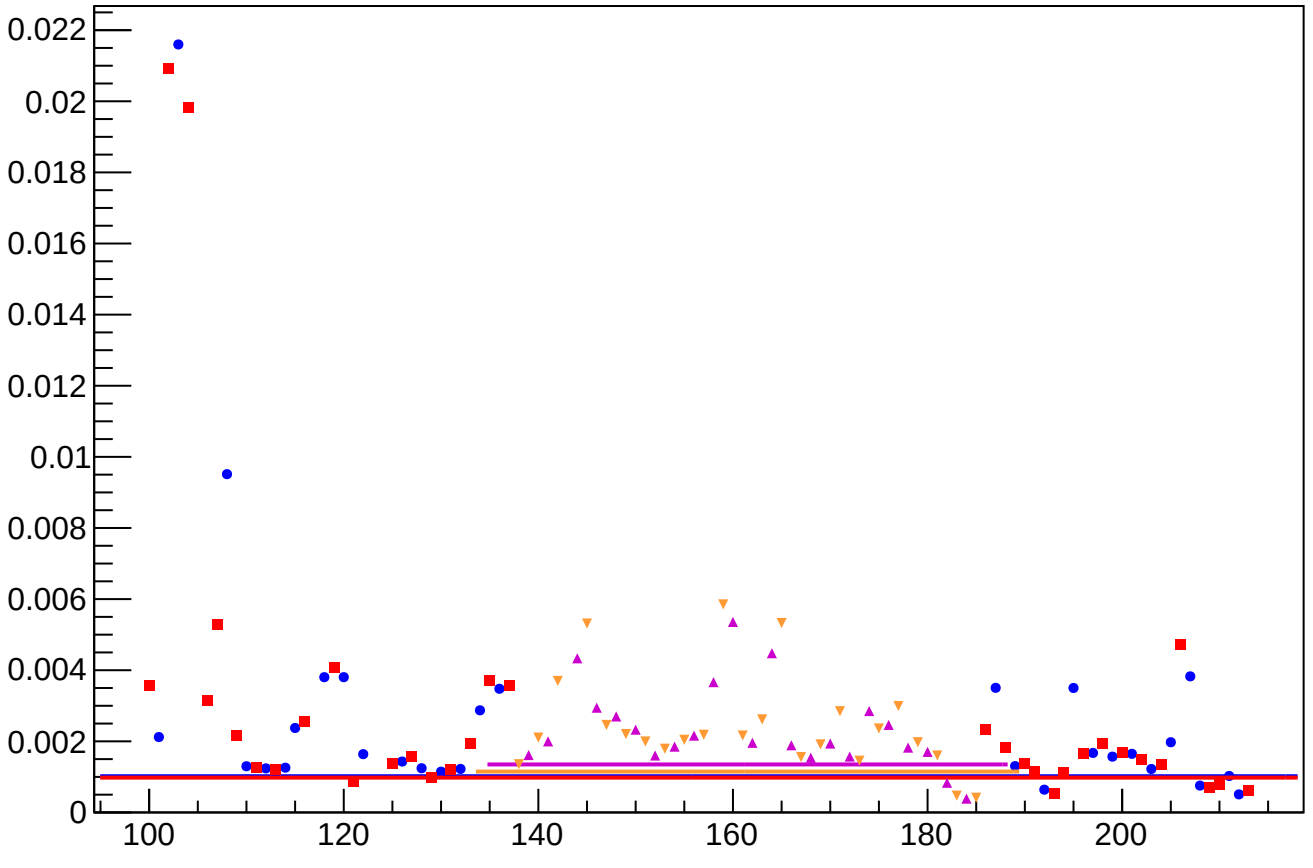
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

Right: -0.000+/-0.000 χ^2/NDF: 94.1/61

In: -0.000+/-0.000 χ^2/NDF:47.5/51

Out: 0.000+/-0.000 χ^2/NDF:103.3/56

All: -0.000+/-0.000 χ^2/NDF: 158.3/108



Right In: 0.001+/-0.000 χ^2/NDF: 10014459.8/28

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

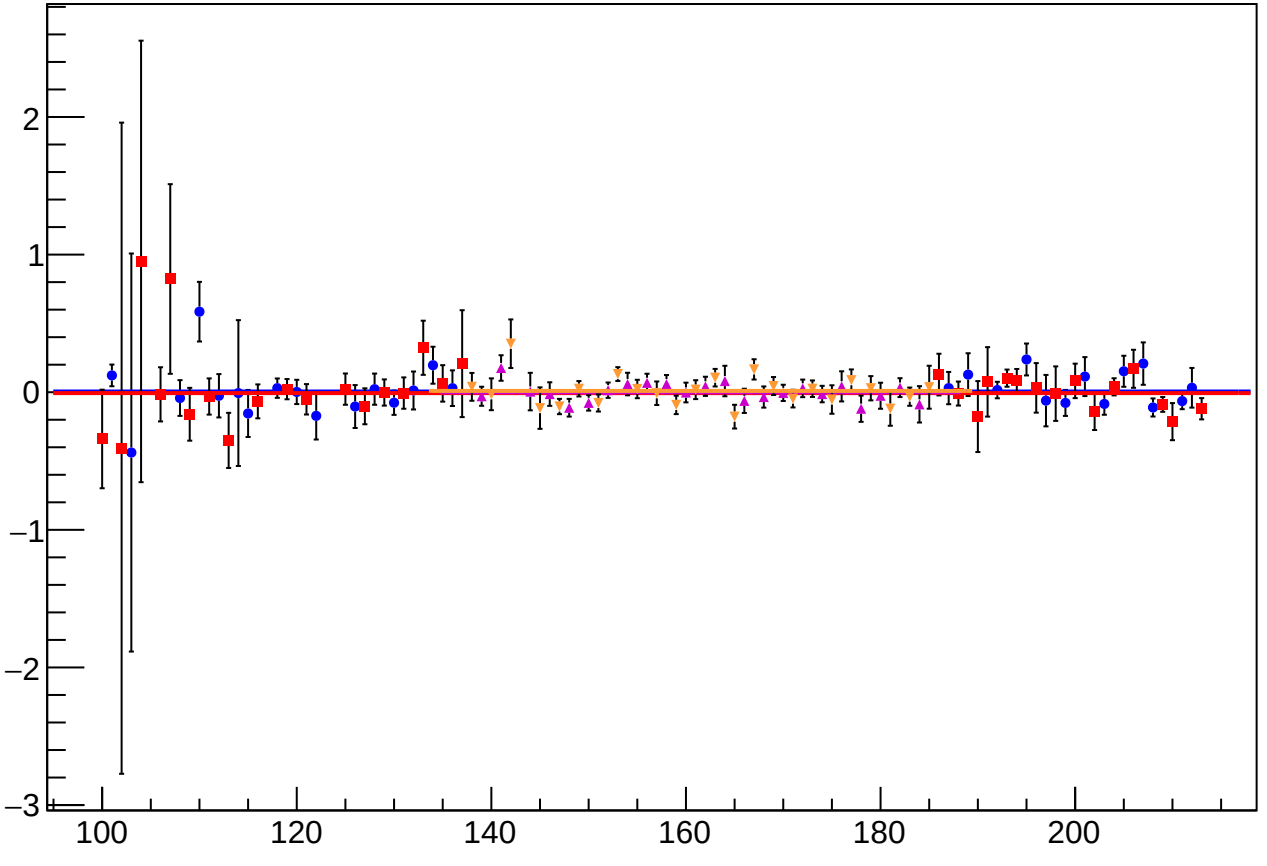
Right: 0.001+/-0.000 χ^2/NDF: 19893774.4/61

In: 0.001+/-0.000 χ^2/NDF:21190489.4/51

Out: 0.001+/-0.000 χ^2/NDF:23403702.5/56

All: 0.001+/-0.000 χ^2/NDF: 44782621.6/108

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.020 χ^2/NDF: 30.6/28

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

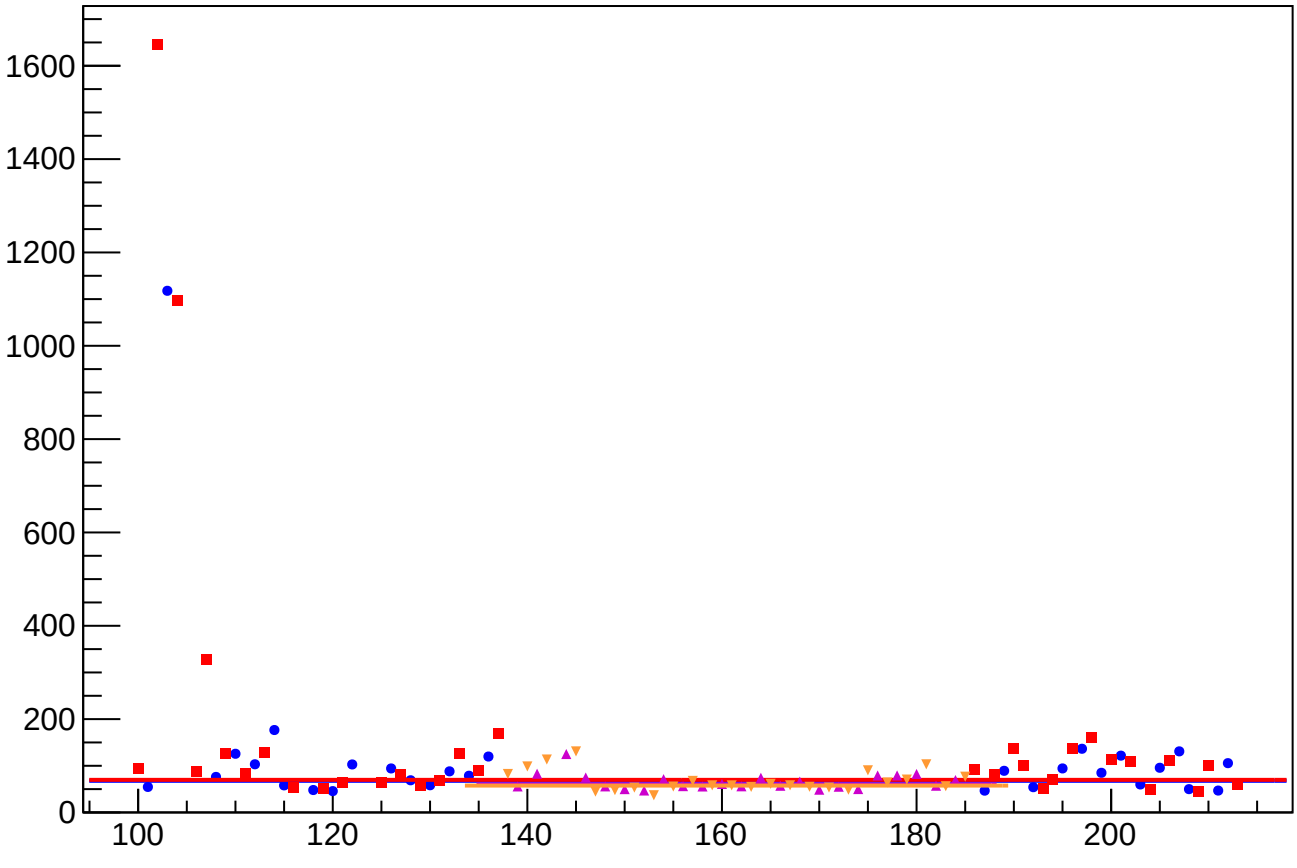
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.001+/-0.014 χ^2/NDF: 57.9/61

In: 0.002+/-0.012 χ^2/NDF:46.3/51

Out: 0.004+/-0.012 χ^2/NDF:62.2/56

All: 0.003+/-0.009 χ^2/NDF: 108.5/108



Right In: 67.817+/-0.014 χ^2/NDF: 4231719.5/28

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

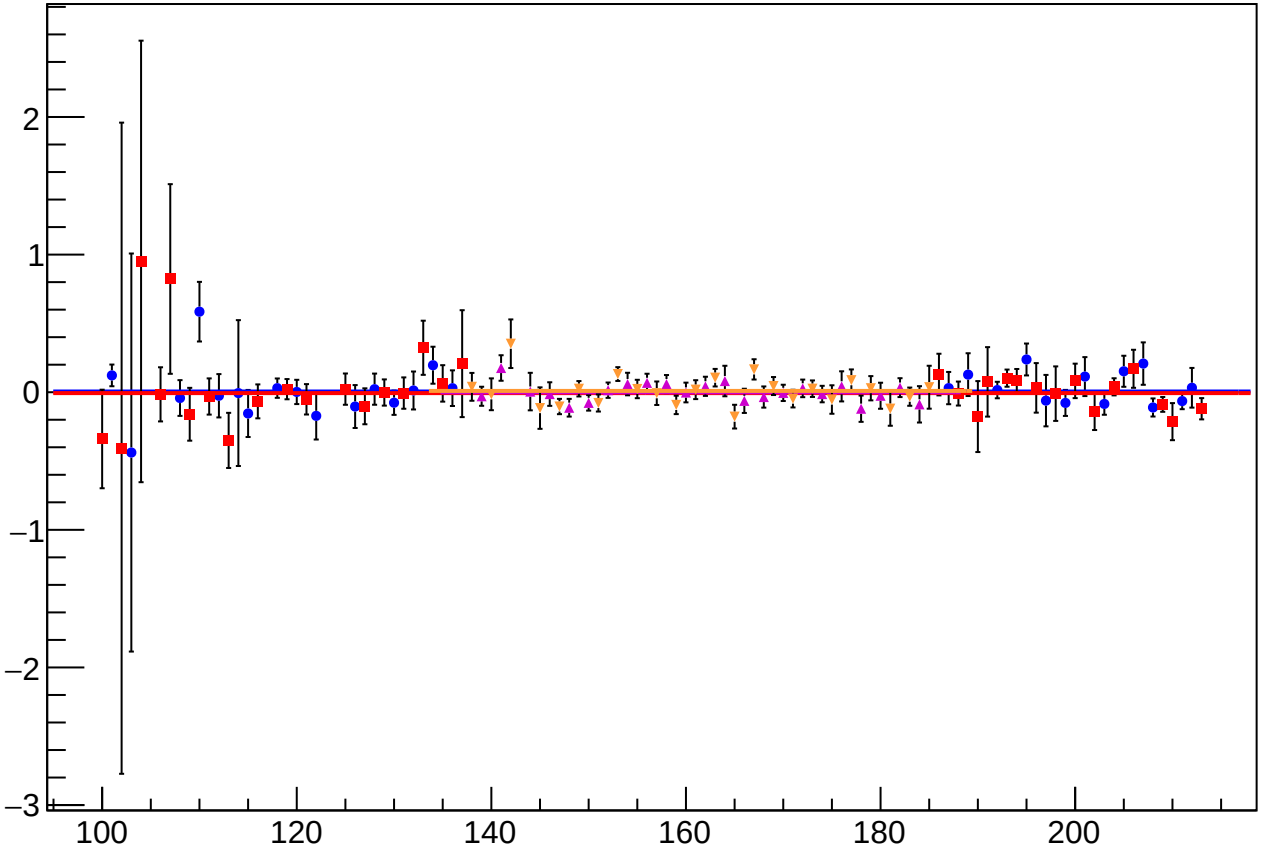
Right: 68.822+/-0.010 χ^2/NDF: 9671646.4/61

In: 62.904+/-0.009 χ^2/NDF:5777163.9/51

Out: 62.115+/-0.008 χ^2/NDF:8126258.4/56

All: 62.505+/-0.006 χ^2/NDF: 13907691.3/108

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.020 χ^2/NDF: 30.6/28

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

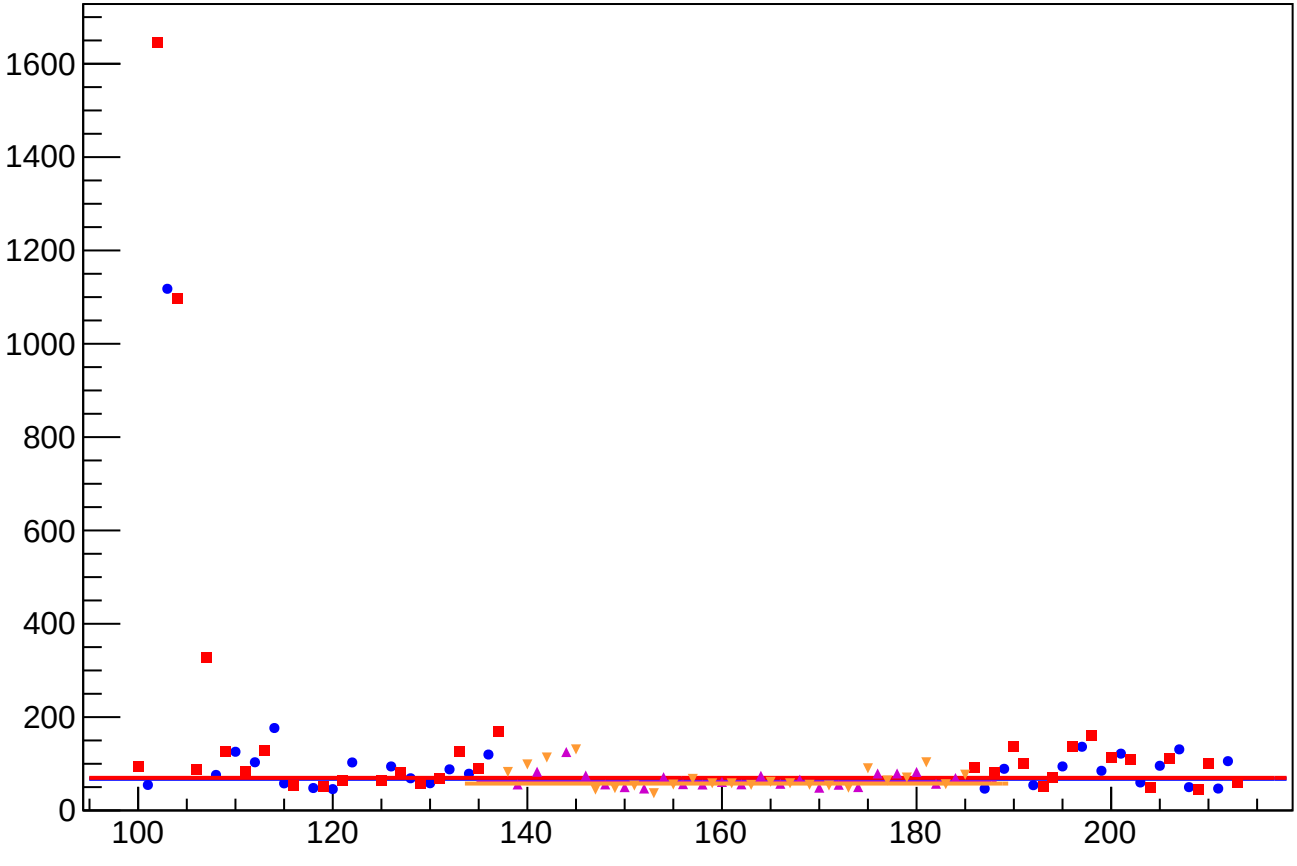
Right: -0.001+/-0.014 χ^2/NDF: 57.9/61

In: 0.002+/-0.012 χ^2/NDF:46.3/51

Out: 0.004+/-0.012 χ^2/NDF:62.2/56

All: 0.003+/-0.009 χ^2/NDF: 108.5/108

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.817+/-0.014 χ^2/NDF: 4231719.5/28

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

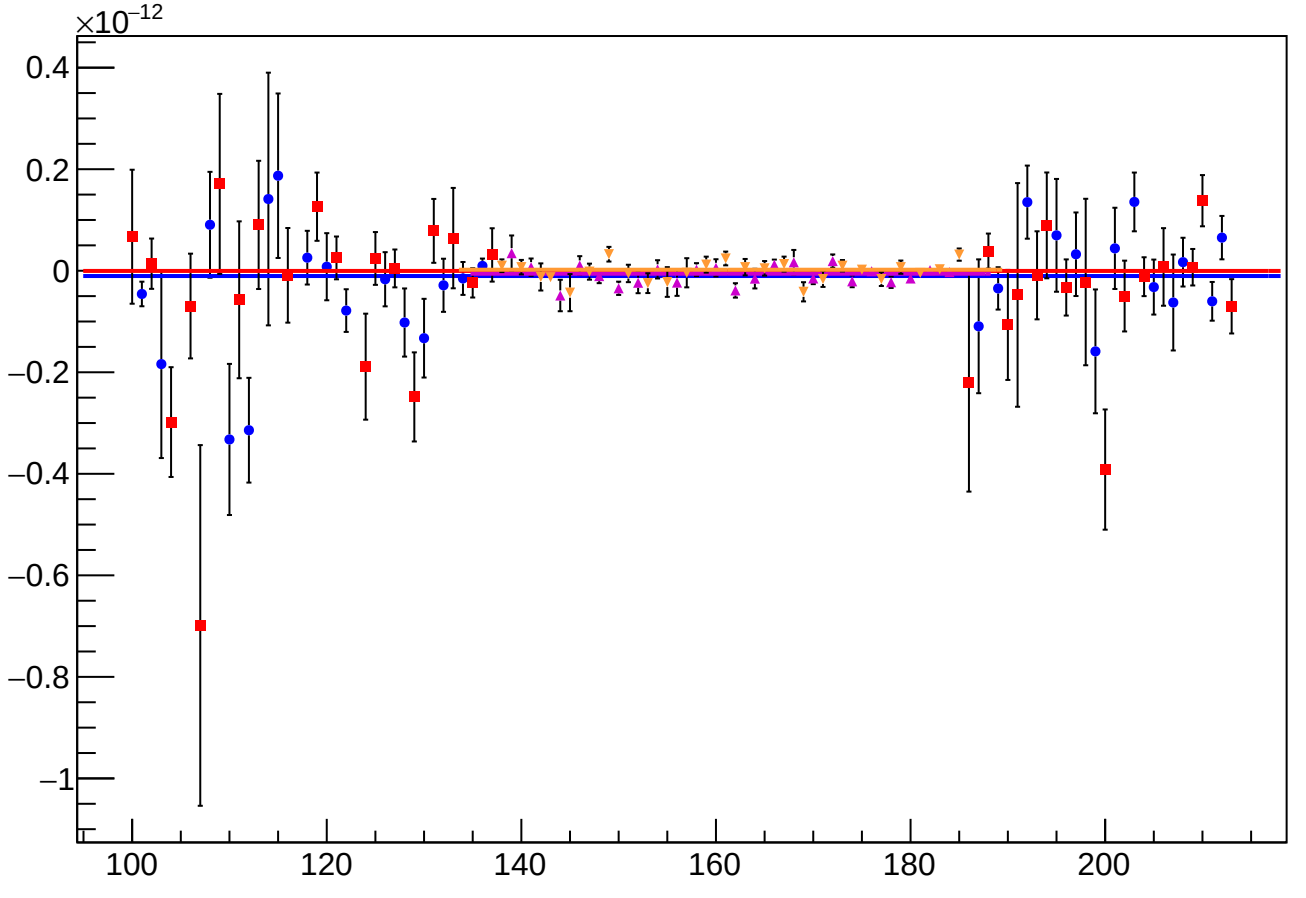
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 68.822+/-0.010 χ^2/NDF: 9671646.4/61

In: 62.904+/-0.009 χ^2/NDF:5777163.9/51

Out: 62.115+/-0.008 χ^2/NDF:8126258.4/56

All: 62.505+/-0.006 χ^2/NDF: 13907691.3/108



Right In: -0.000+/-0.000 χ^2/NDF: 48.5/28

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

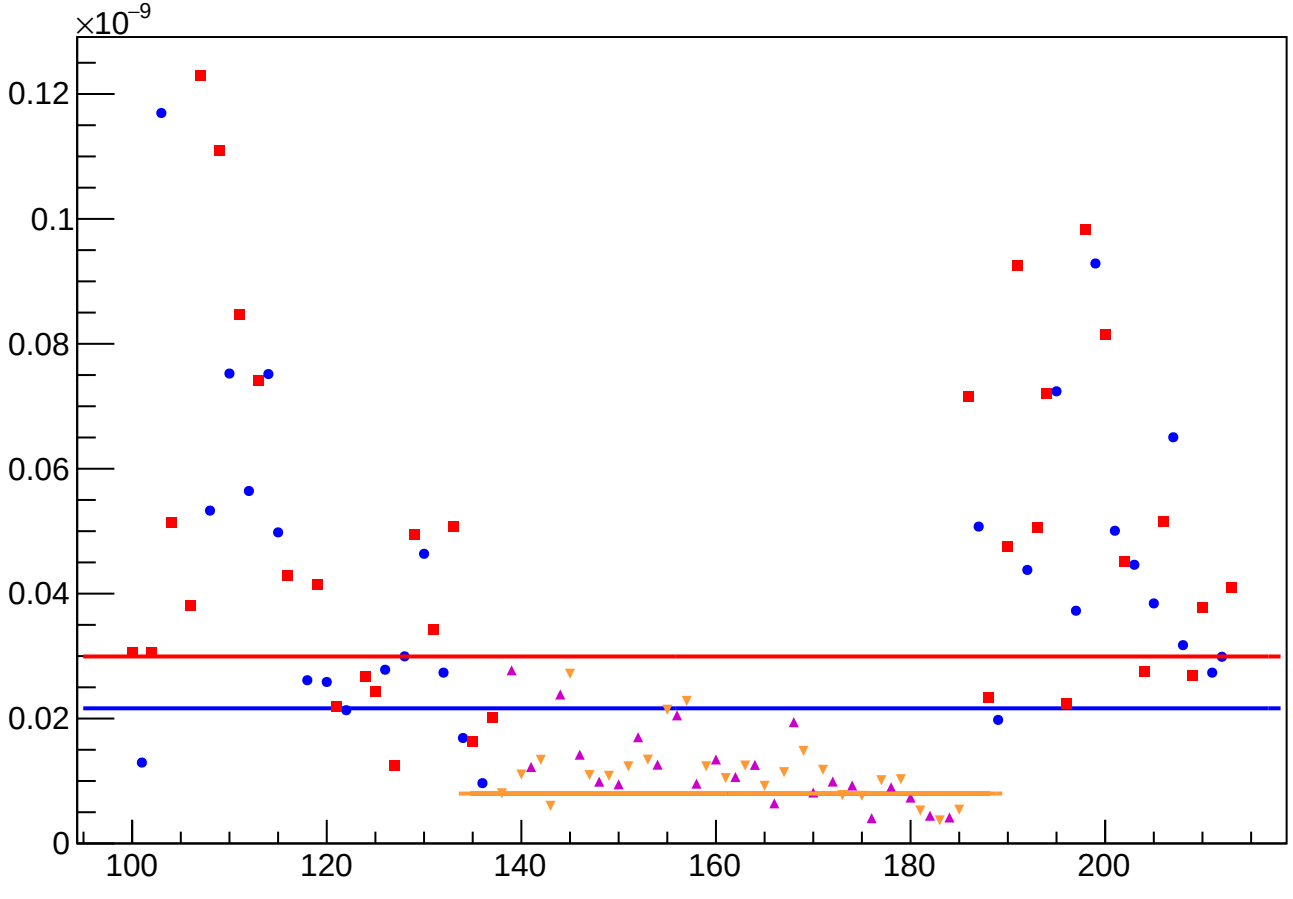
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 106.5/62

In: -0.000+/-0.000 χ^2/NDF:81.3/51

Out: 0.000+/-0.000 χ^2/NDF:89.5/58

All: -0.000+/-0.000 χ^2/NDF: 176.4/110



Right In: 0.000+/-0.000 χ^2/NDF: 6191878.2/28

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

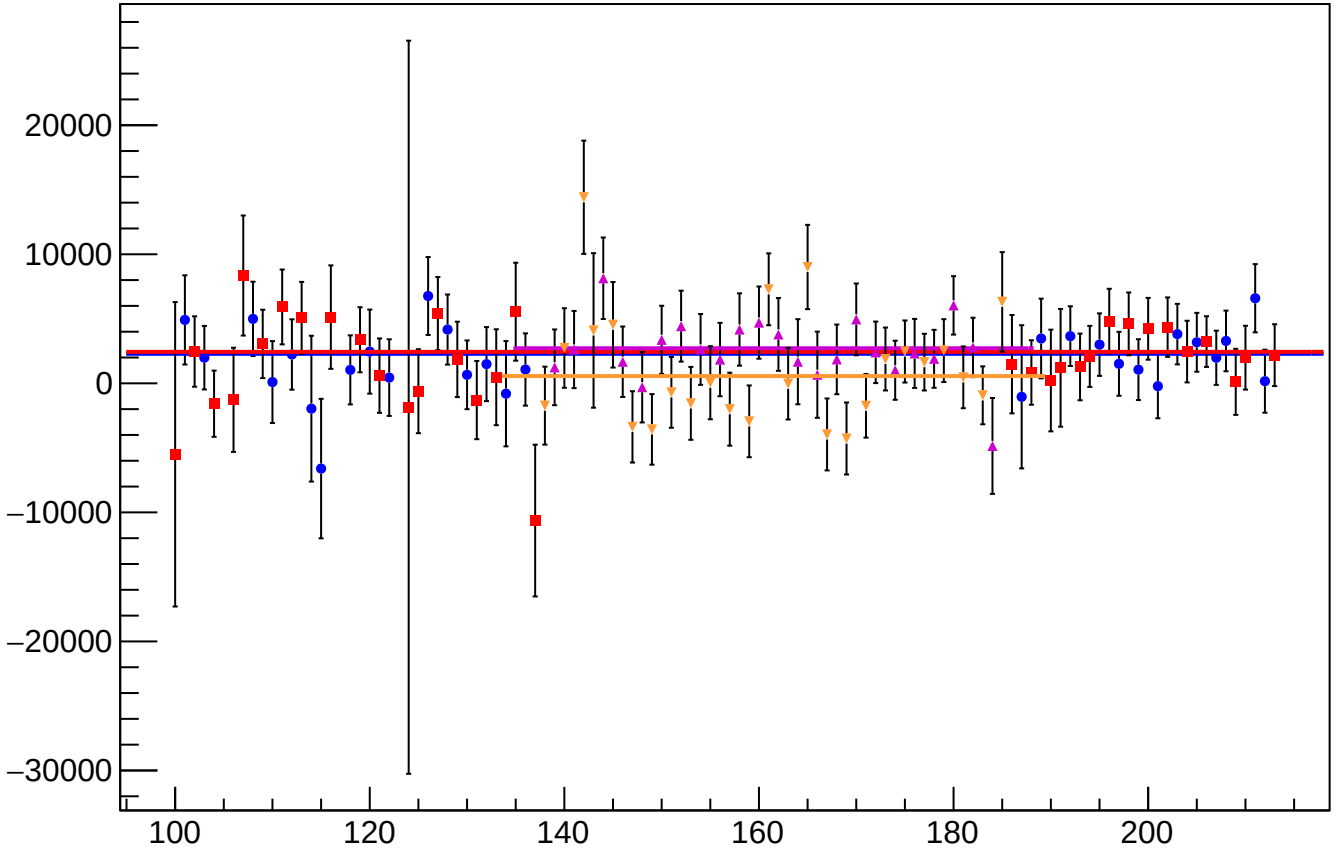
Right: 0.000+/-0.000 χ^2/NDF: 11408592.3/62

In: 0.000+/-0.000 χ^2/NDF:16074121.9/51

Out: 0.000+/-0.000 χ^2/NDF:17676816.4/58

All: 0.000+/-0.000 χ^2/NDF: 33751199.3/110

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2289.417+/-512.783 χ^2/NDF: 16.2/28

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

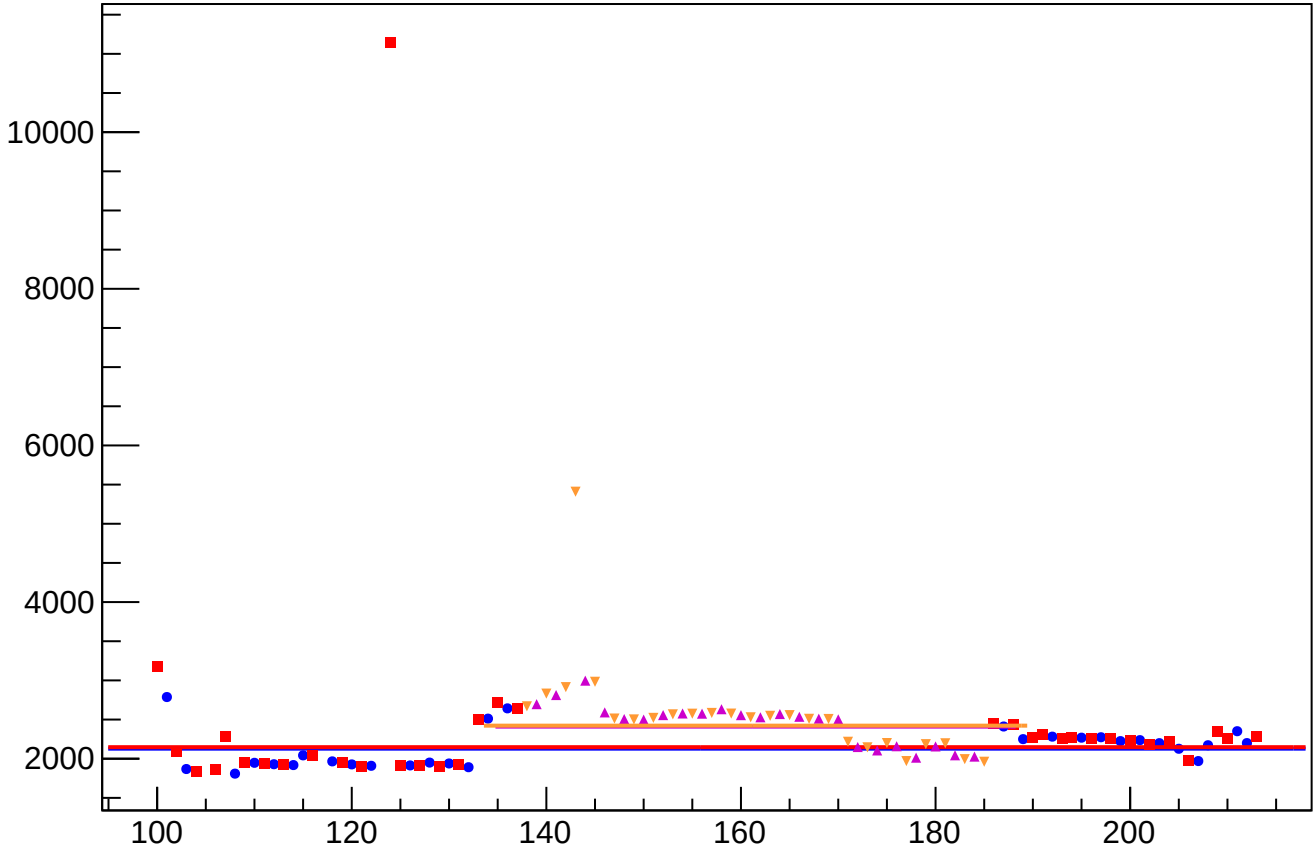
Right: 2367.254+/-357.149 χ^2/NDF: 39.6/62

In: 2481.731+/-380.078 χ^2/NDF:30.8/51

Out: 1607.239+/-371.231 χ^2/NDF:73.6/58

All: 2034.188+/-265.573 χ^2/NDF: 107.1/110

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2128.470+/-0.363 χ^2/NDF: 361004.6/28

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

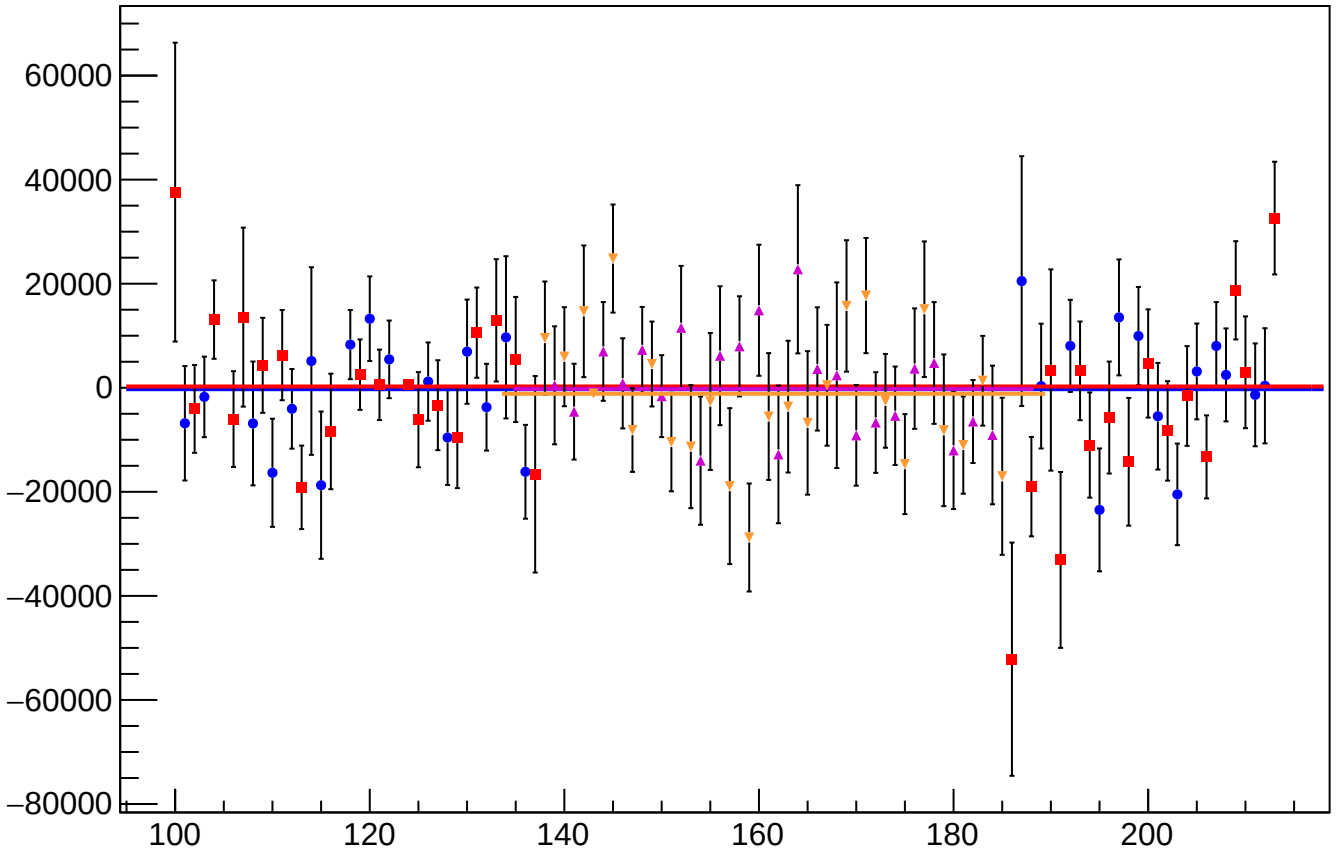
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2138.154+/-0.253 χ^2/NDF: 912621.4/62

In: 2255.250+/-0.269 χ^2/NDF:1060674.9/51

Out: 2269.239+/-0.262 χ^2/NDF:1773736.1/58

All: 2262.409+/-0.188 χ^2/NDF: 2835797.6/11



Right In: -274.236+/-1775.222 χ^2/NDF: 29.4/28

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

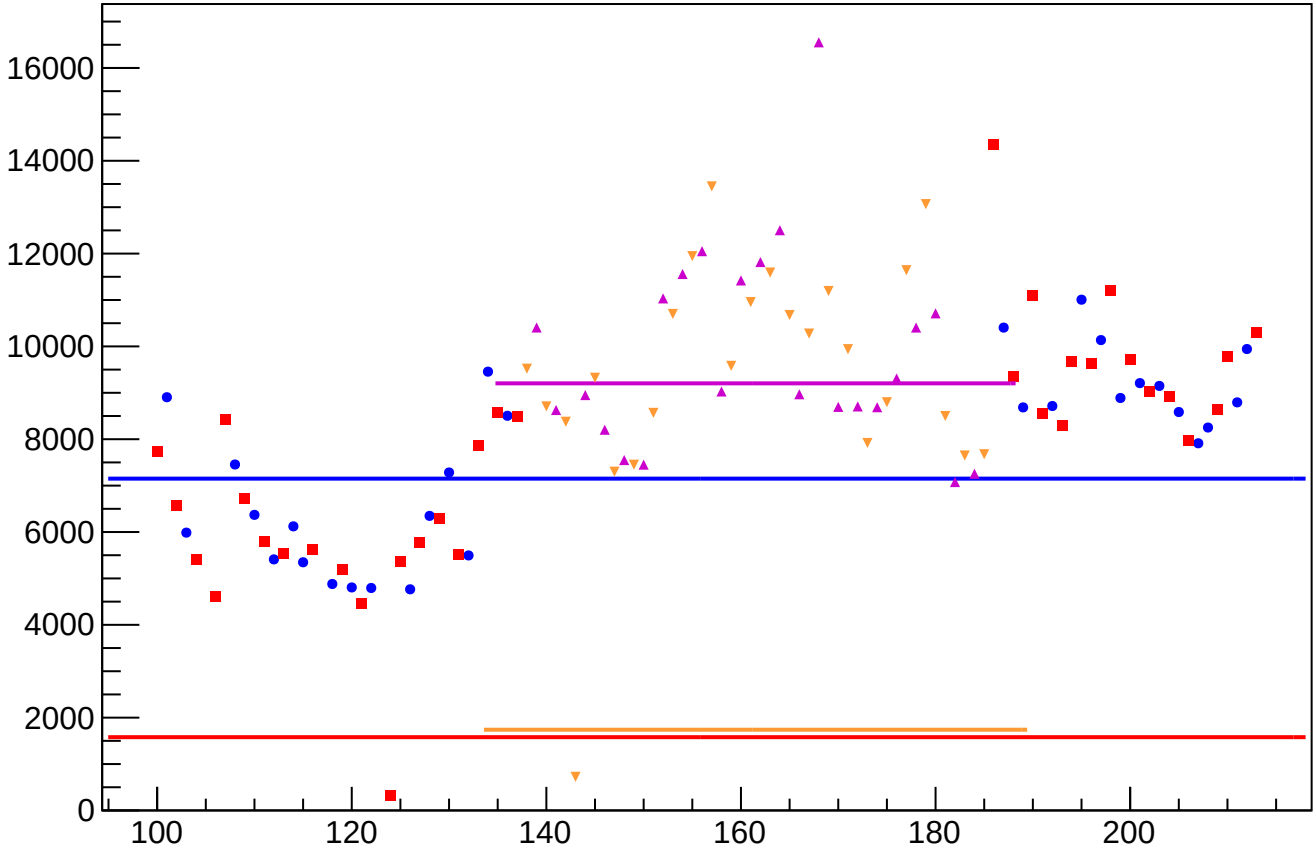
Right: 168.841+/-683.274 χ^2/NDF: 81.2/62

In: -248.699+/-1380.314 χ^2/NDF:42.8/51

Out: -439.769+/-529.552 χ^2/NDF:85.5/58

All: -415.255+/-494.415 χ^2/NDF: 128.3/110

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 7150.538+/-1.255 χ^2/NDF: 2233841.1/28

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

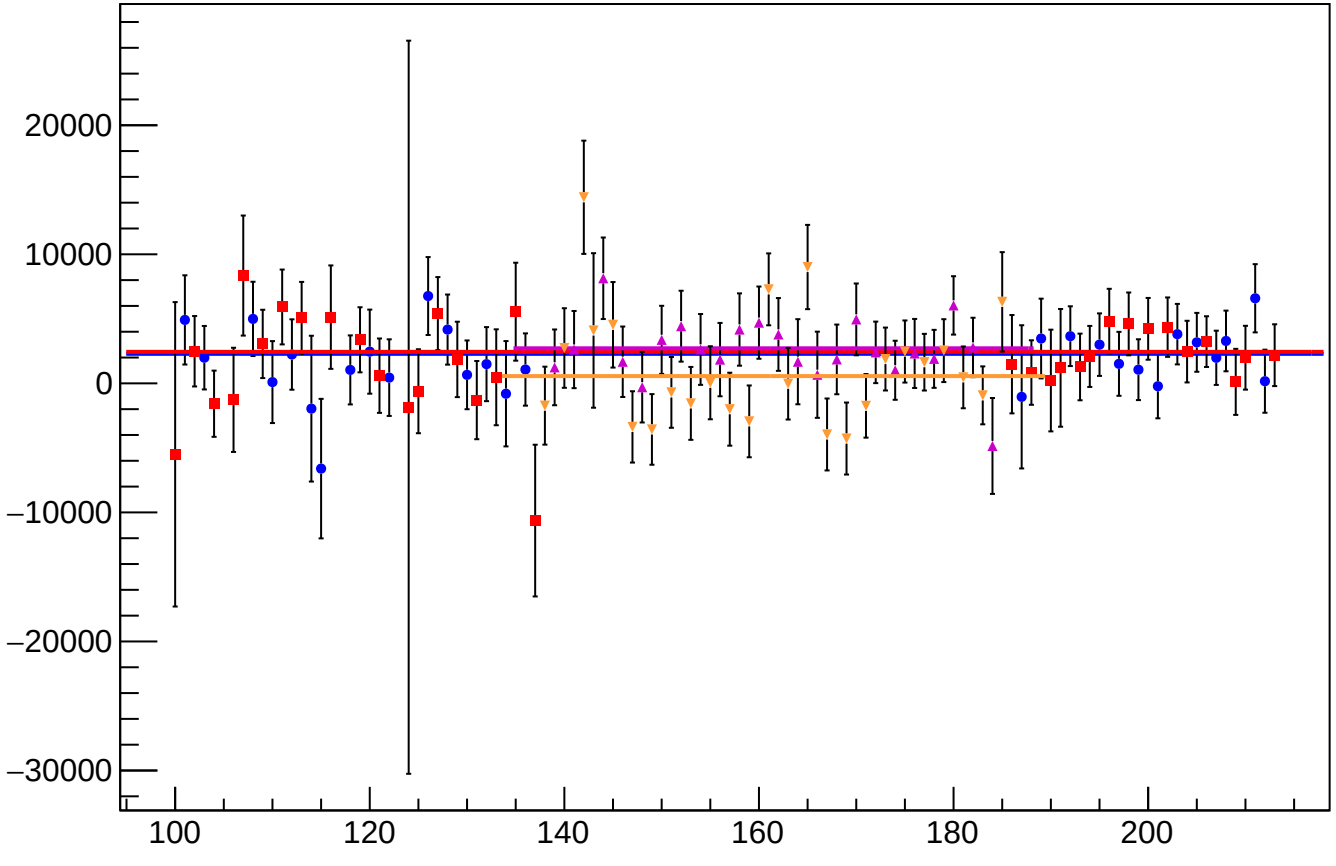
Right: 2404.536+/-0.483 χ^2/NDF: 47545055.6/62

In: 7962.432+/-0.976 χ^2/NDF:4563843.9/51

Out: 1657.557+/-0.374 χ^2/NDF:56310317.3/58

All: 2466.474+/-0.350 χ^2/NDF: 97248401.0/1

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2289.404+/-512.783 χ^2/NDF: 16.2/28

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

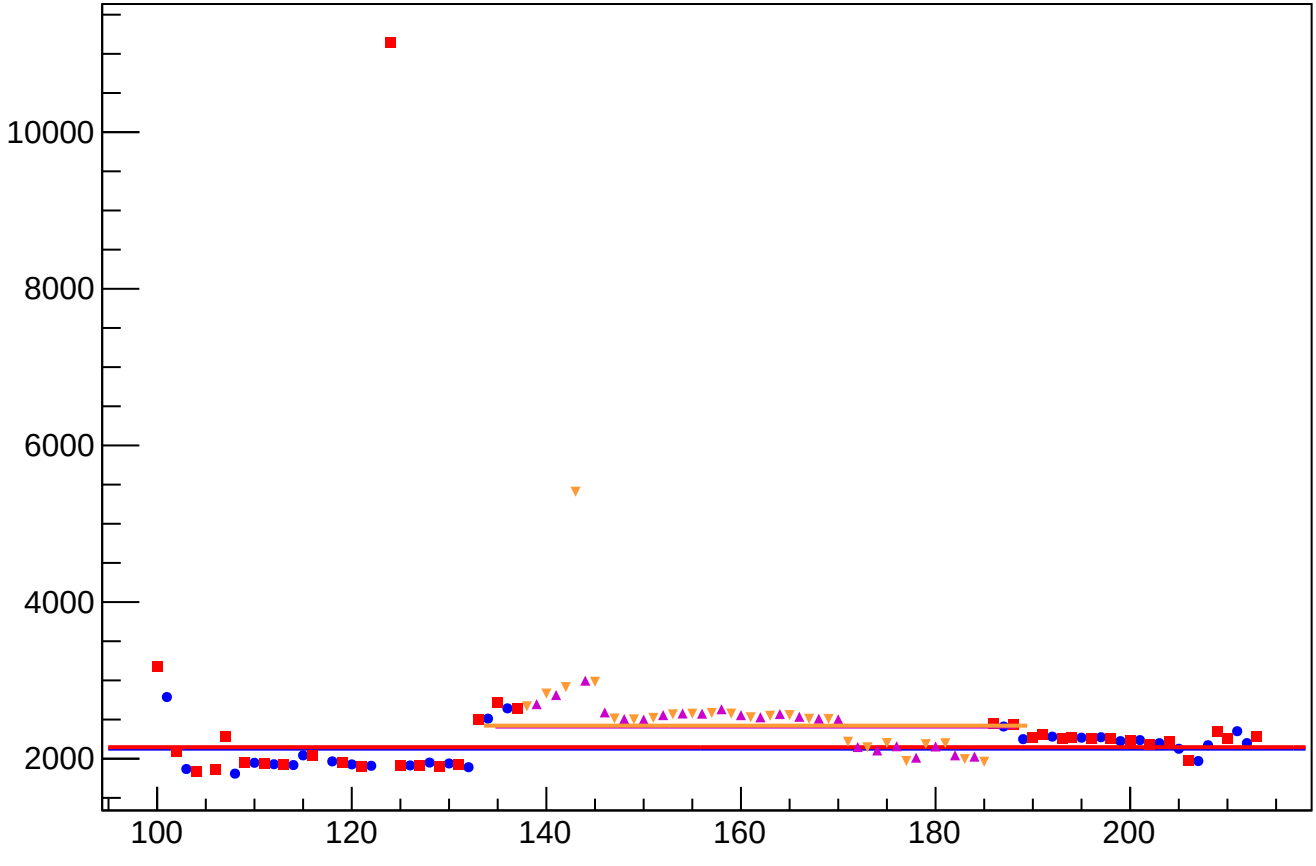
Right: 2367.655+/-357.150 χ^2/NDF: 39.6/62

In: 2481.707+/-380.078 χ^2/NDF:30.8/51

Out: 1607.677+/-371.232 χ^2/NDF:73.6/58

All: 2034.402+/-265.573 χ^2/NDF: 107.1/110

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2128.470+/-0.363 χ^2/NDF: 361004.5/28

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

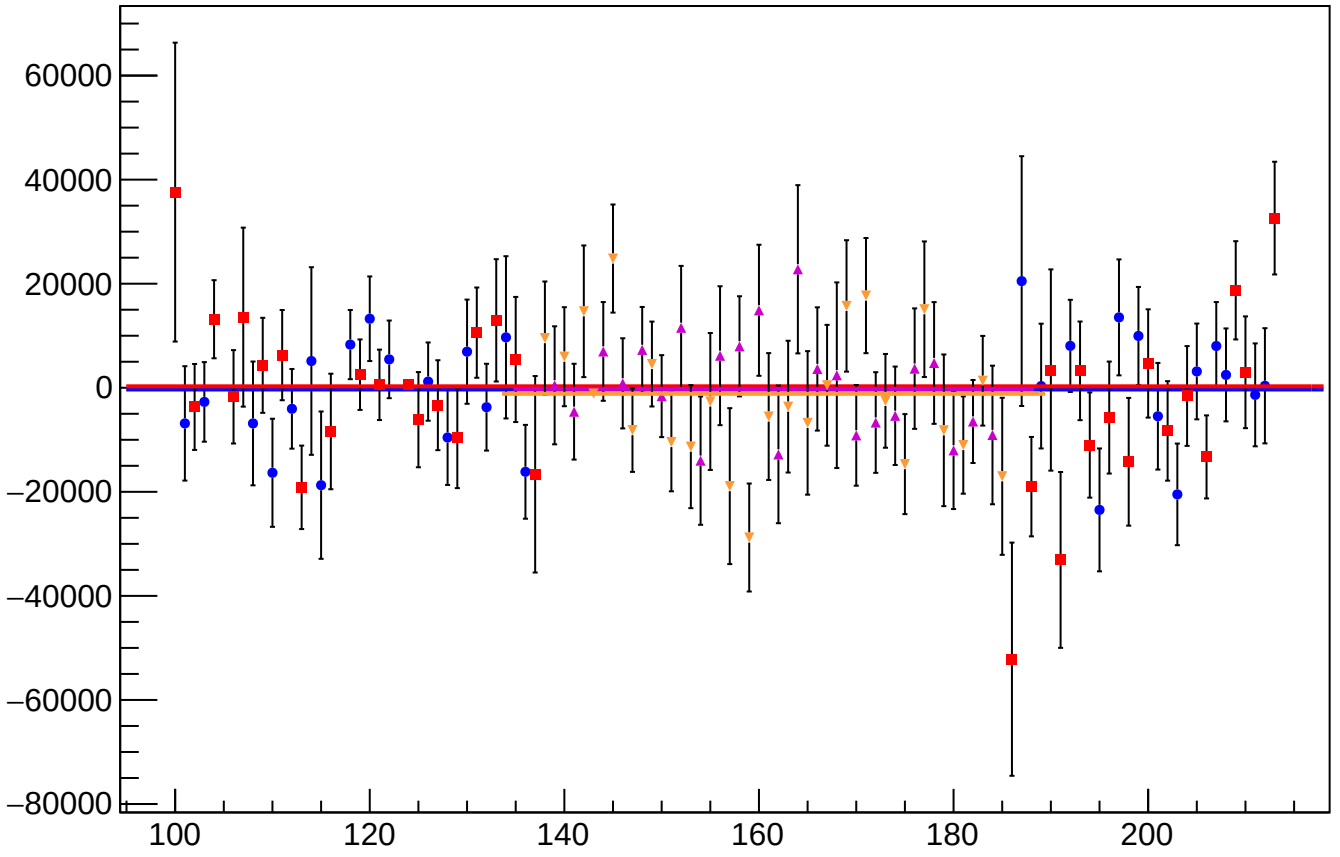
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2138.160+/-0.253 χ^2/NDF: 912614.5/62

In: 2255.250+/-0.269 χ^2/NDF:1060675.0/51

Out: 2269.245+/-0.263 χ^2/NDF:1773706.2/58

All: 2262.412+/-0.188 χ^2/NDF: 2835769.0/11



Right In: -328.241+/-1774.109 χ^2/NDF: 29.5/28

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

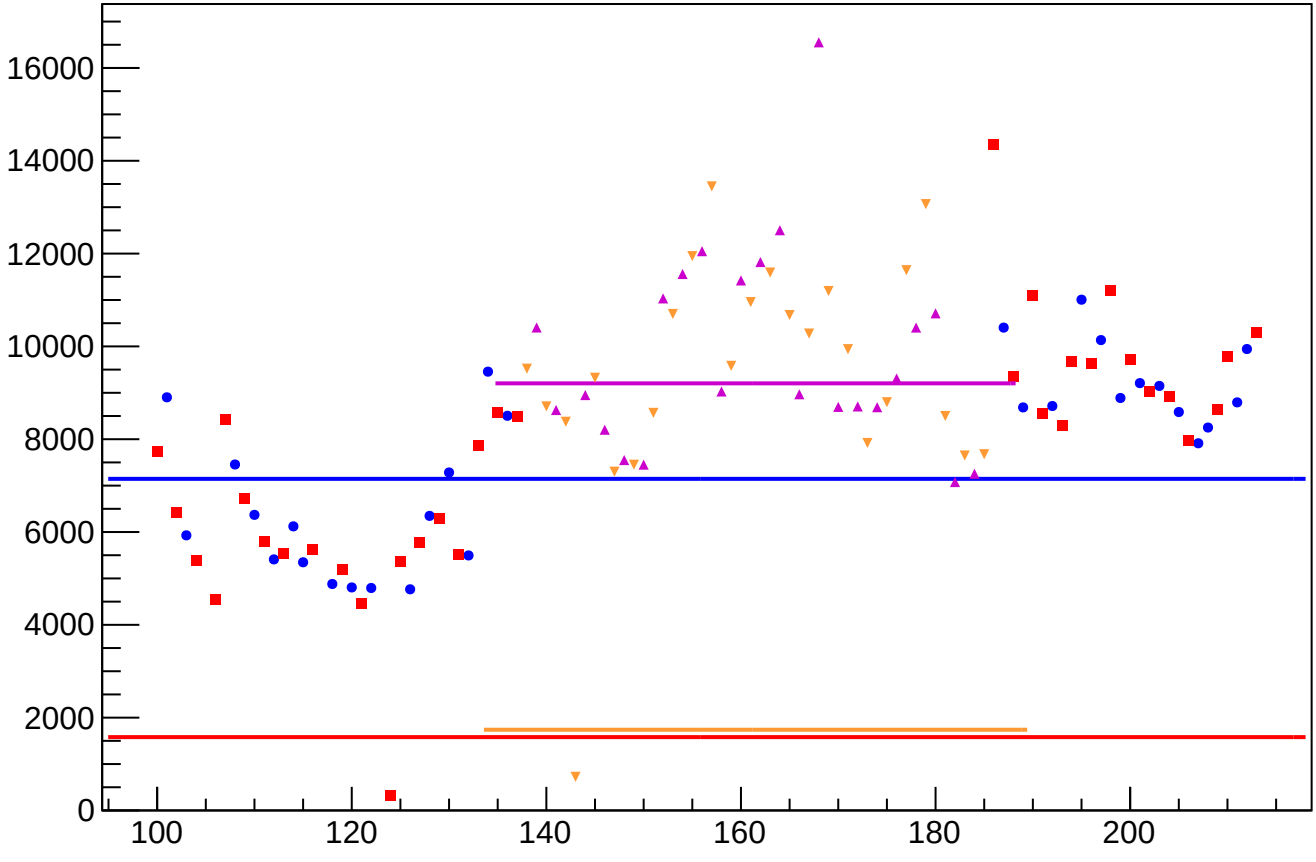
Right: 187.333+/-682.972 χ^2/NDF: 80.9/62

In: -281.324+/-1379.790 χ^2/NDF:42.9/51

Out: -423.486+/-529.418 χ^2/NDF:85.1/58

All: -405.243+/-494.283 χ^2/NDF: 128.0/110

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 7145.908+/-1.254 χ^2/NDF: 2239577.8/28

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

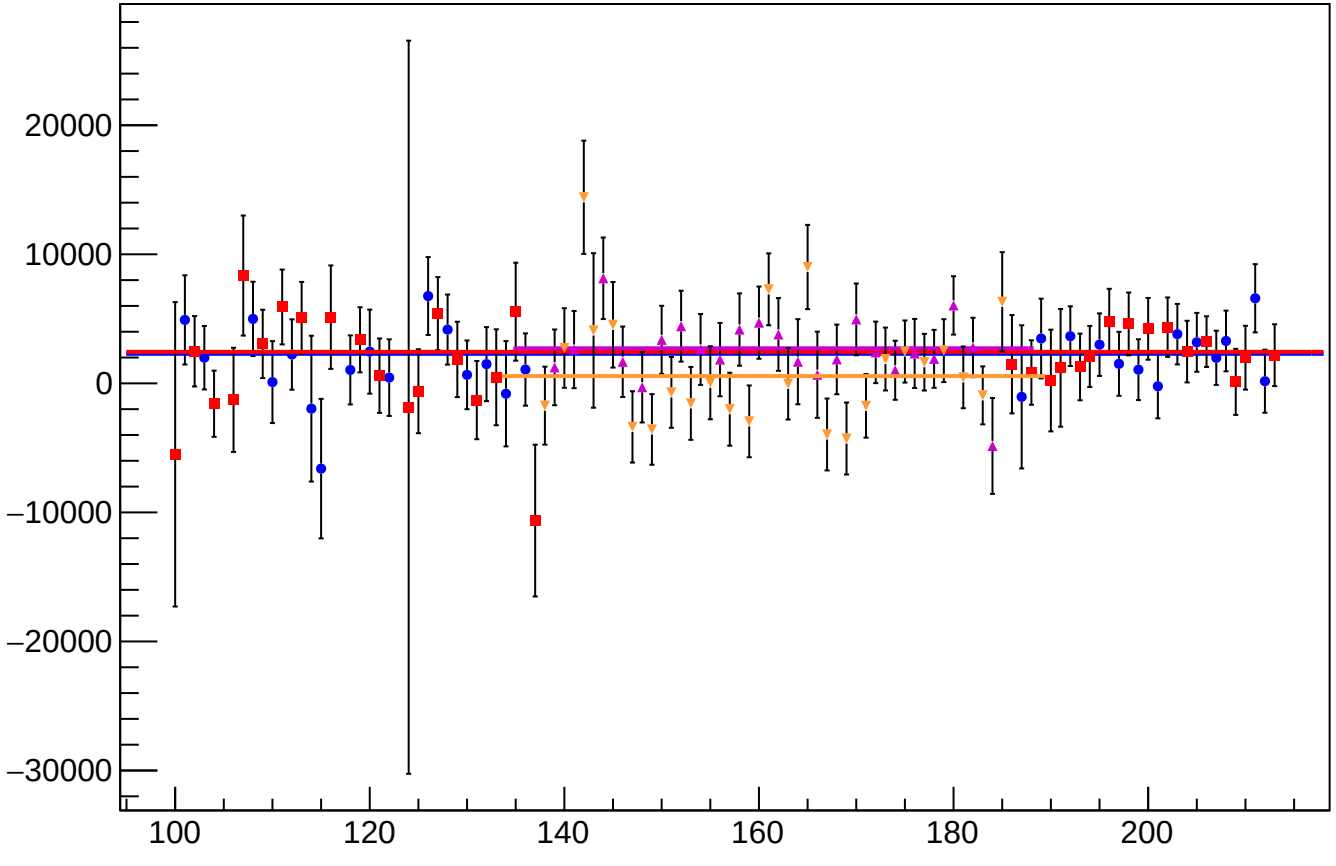
Right: 2405.106+/-0.483 χ^2/NDF: 47526388.2/62

In: 7959.012+/-0.976 χ^2/NDF:4574883.4/51

Out: 1657.988+/-0.374 χ^2/NDF:56300858.5/58

All: 2466.592+/-0.350 χ^2/NDF: 97231977.8/1

eigen_cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2289.404+/-512.783 χ^2/NDF: 16.2/28

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

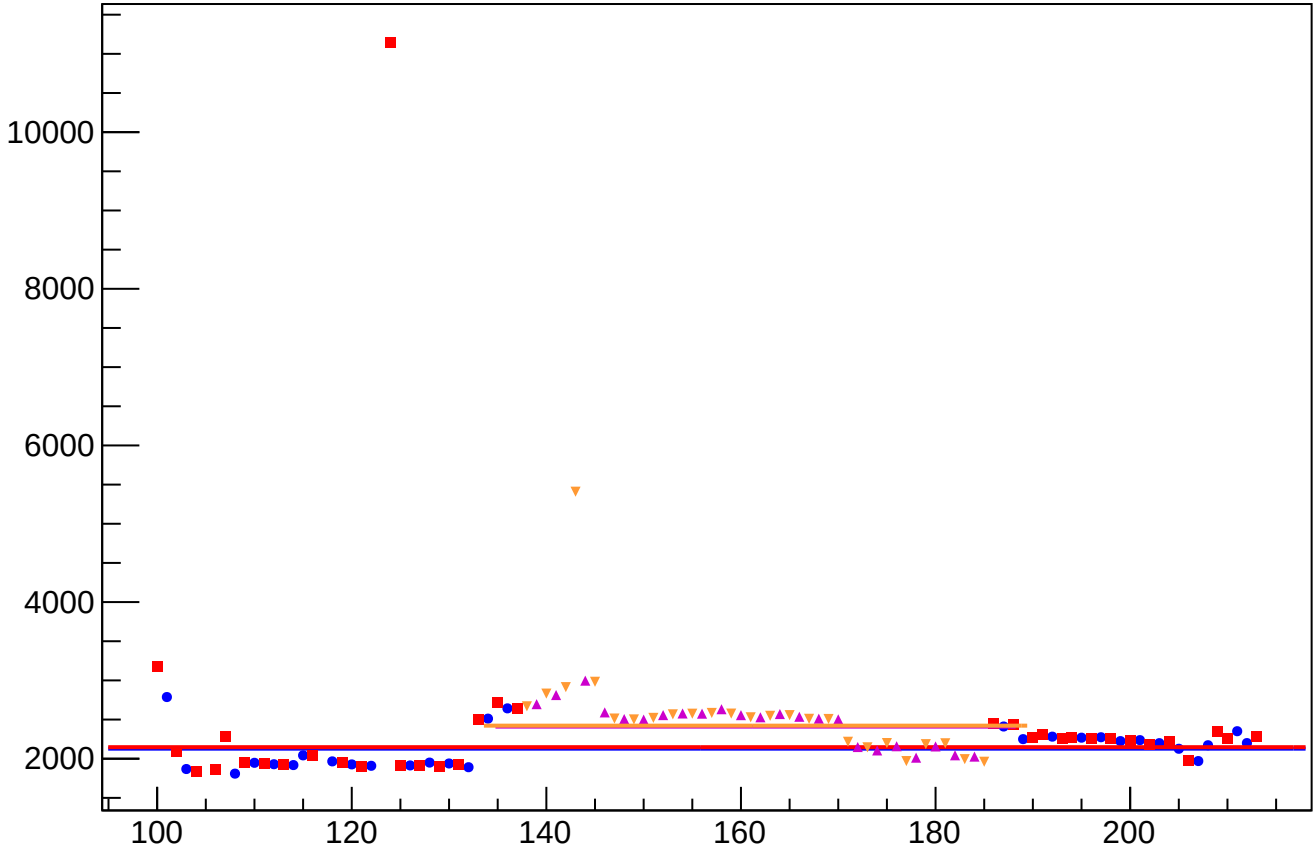
Right: 2367.655+/-357.150 χ^2/NDF: 39.6/62

In: 2481.707+/-380.078 χ^2/NDF:30.8/51

Out: 1607.677+/-371.232 χ^2/NDF:73.6/58

All: 2034.402+/-265.573 χ^2/NDF: 107.1/110

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2128.470+/-0.363 χ^2/NDF: 361004.5/28

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

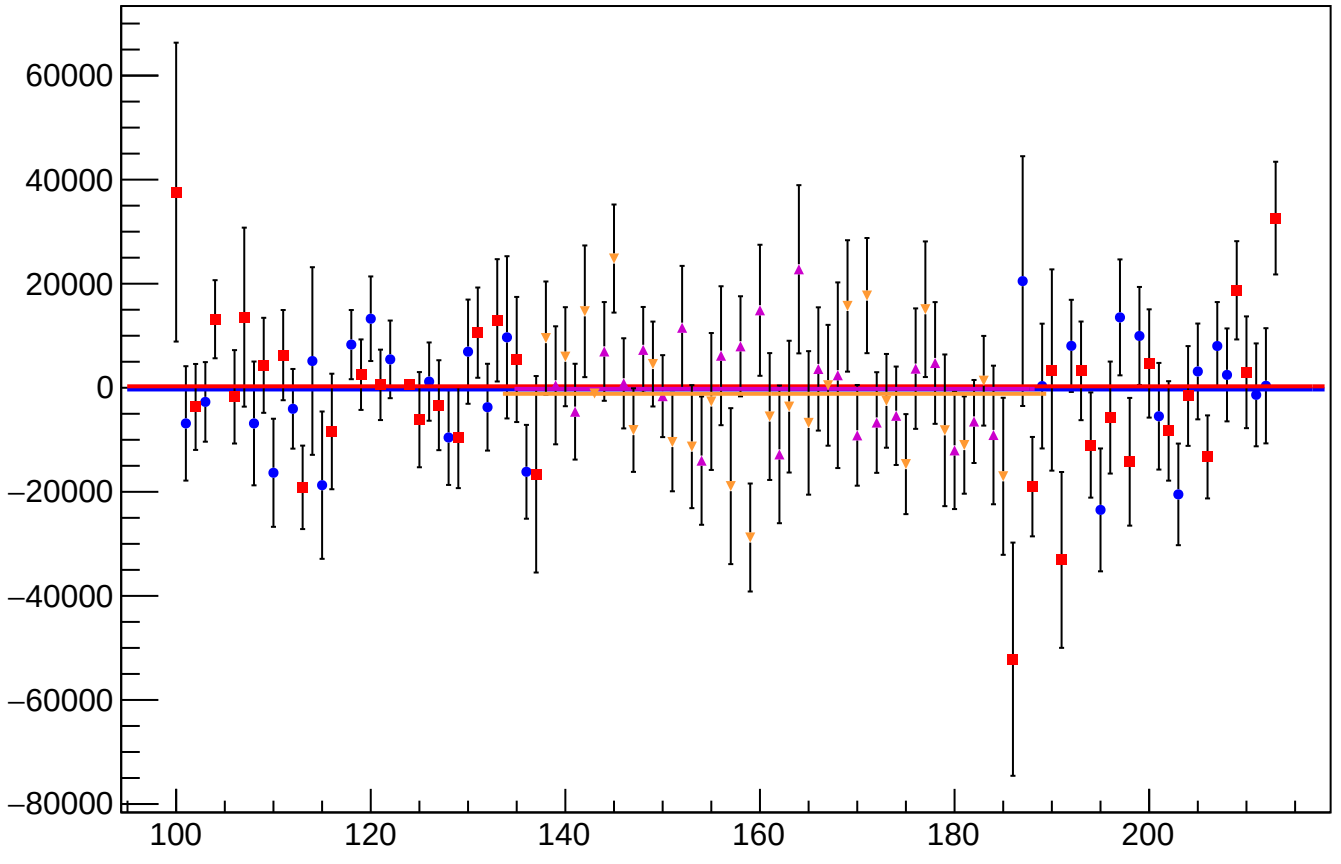
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2138.160+/-0.253 χ^2/NDF: 912614.5/62

In: 2255.250+/-0.269 χ^2/NDF:1060675.0/51

Out: 2269.245+/-0.263 χ^2/NDF:1773706.2/58

All: 2262.412+/-0.188 χ^2/NDF: 2835769.0/11



Right In: -328.241+/-1774.109 χ^2/NDF: 29.5/28

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

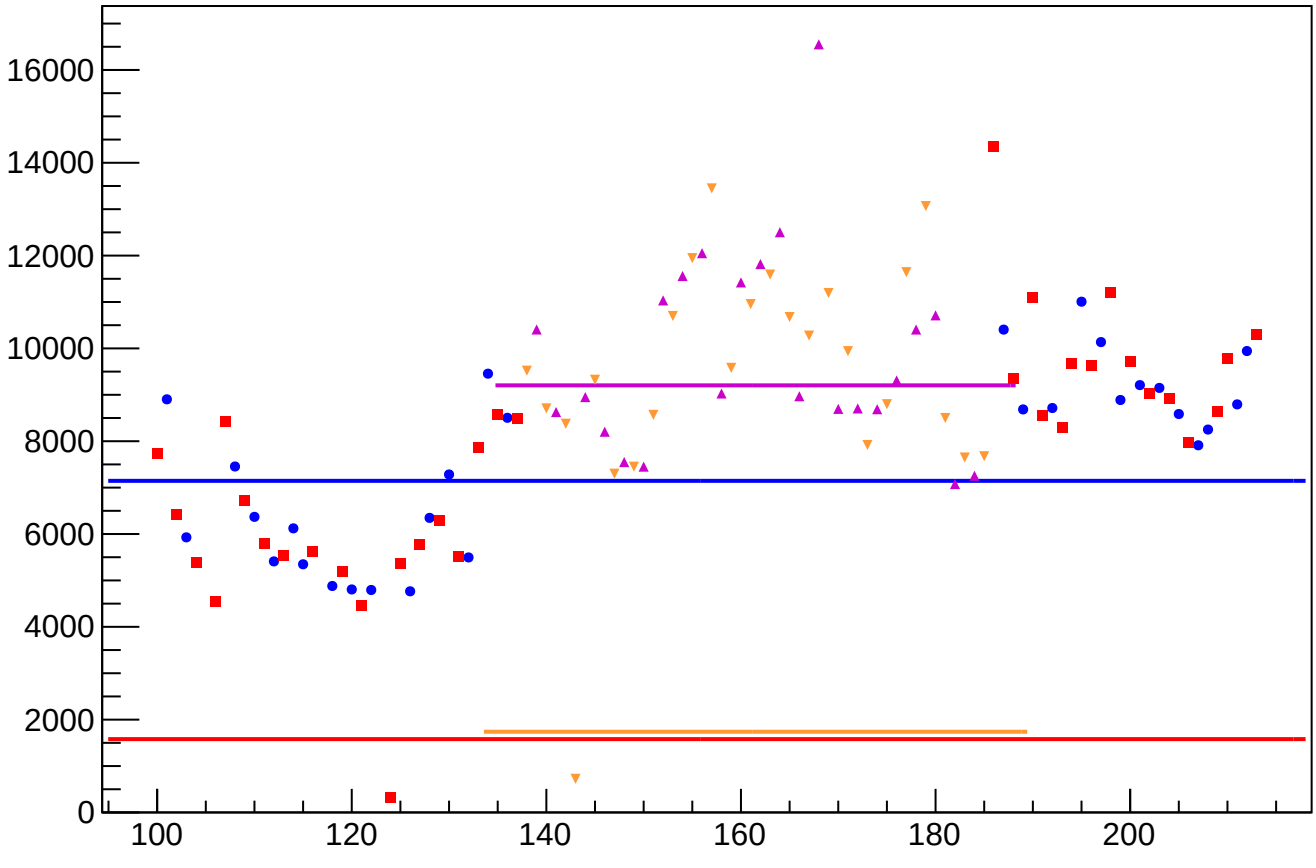
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 187.333+/-682.972 χ^2/NDF: 80.9/62

In: -281.324+/-1379.790 χ^2/NDF:42.9/51

Out: -423.486+/-529.418 χ^2/NDF:85.1/58

All: -405.243+/-494.283 χ^2/NDF: 128.0/110



Right In: 7145.908+/-1.254 χ^2/NDF: 2239577.8/28

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

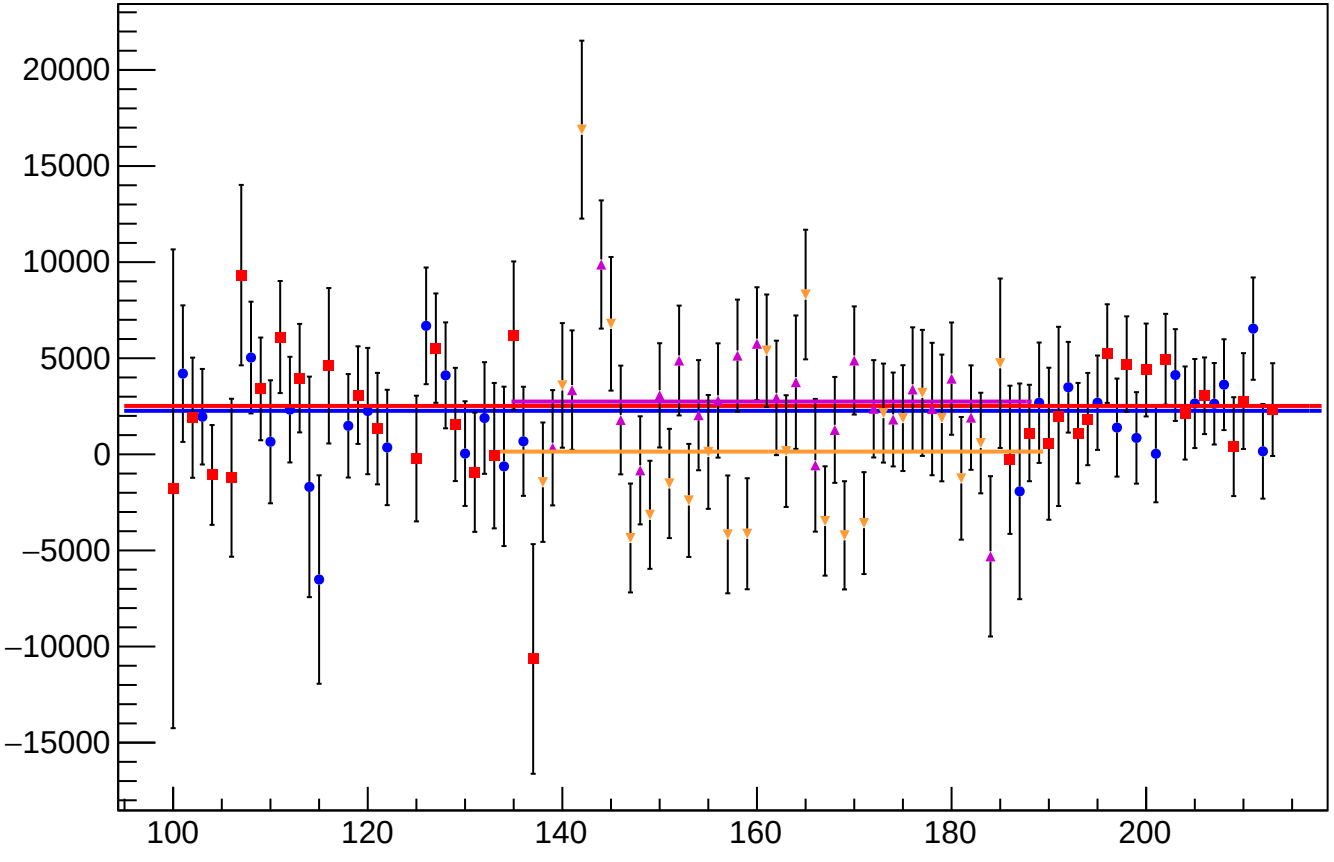
Right: 2405.106+/-0.483 χ^2/NDF: 47526388.2/62

In: 7959.012+/-0.976 χ^2/NDF:4574883.4/51

Out: 1657.988+/-0.374 χ^2/NDF:56300858.5/58

All: 2466.592+/-0.350 χ^2/NDF: 97231977.8/1

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2264.697+/-519.390 χ^2/NDF: 15.5/28

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

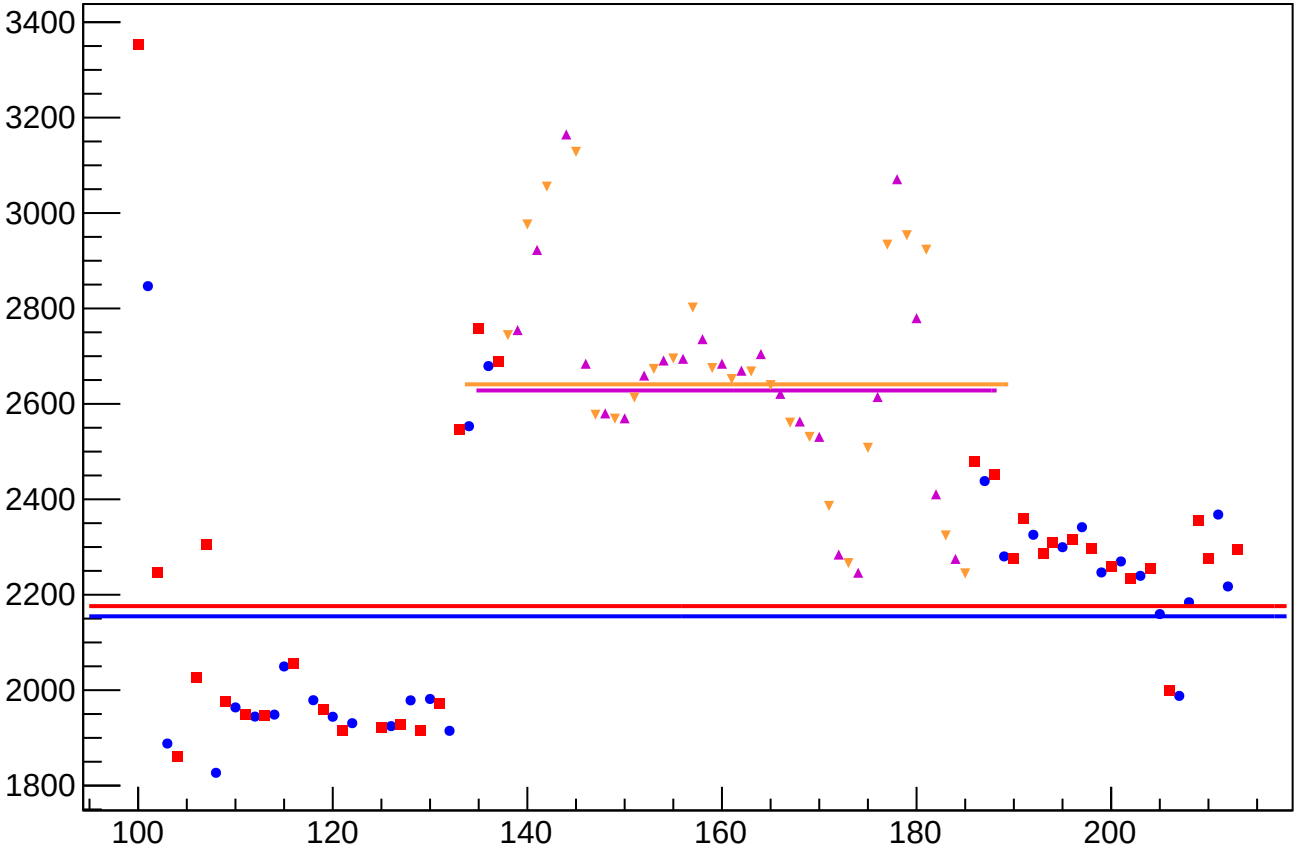
Right: 2395.160+/-362.398 χ^2/NDF: 38.2/61

In: 2464.635+/-397.113 χ^2/NDF:31.3/51

Out: 1561.220+/-390.881 χ^2/NDF:77.3/56

All: 2005.784+/-278.572 χ^2/NDF: 111.2/108

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2154.813+/-0.367 χ^2/NDF: 375532.8/28

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

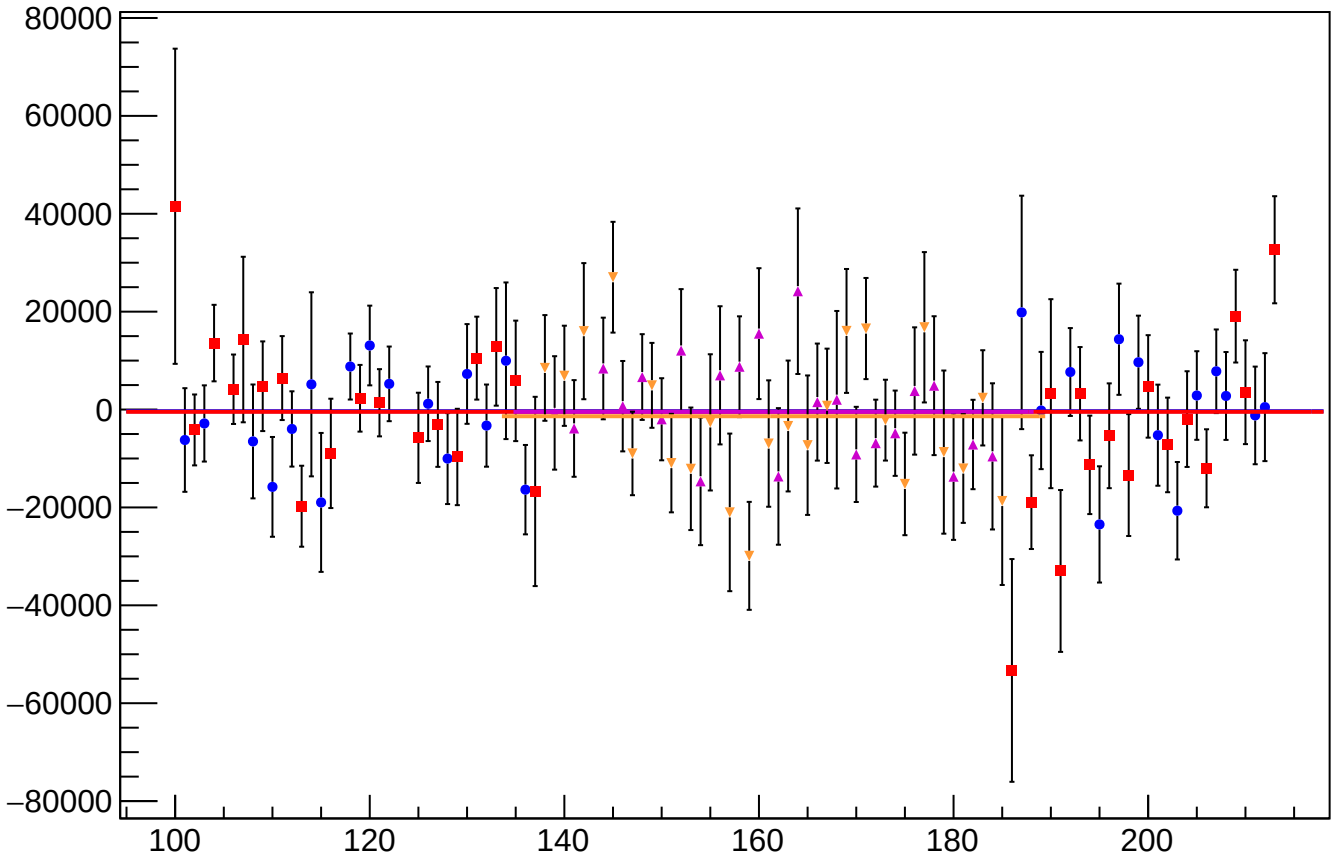
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2165.772+/-0.256 χ^2/NDF: 730511.7/61

In: 2351.434+/-0.281 χ^2/NDF:1302975.6/51

Out: 2363.340+/-0.276 χ^2/NDF:1287488.7/56

All: 2357.483+/-0.197 χ^2/NDF: 2591377.7/10



Right In: -341.890+/-1787.475 χ^2/NDF: 29.1/28

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

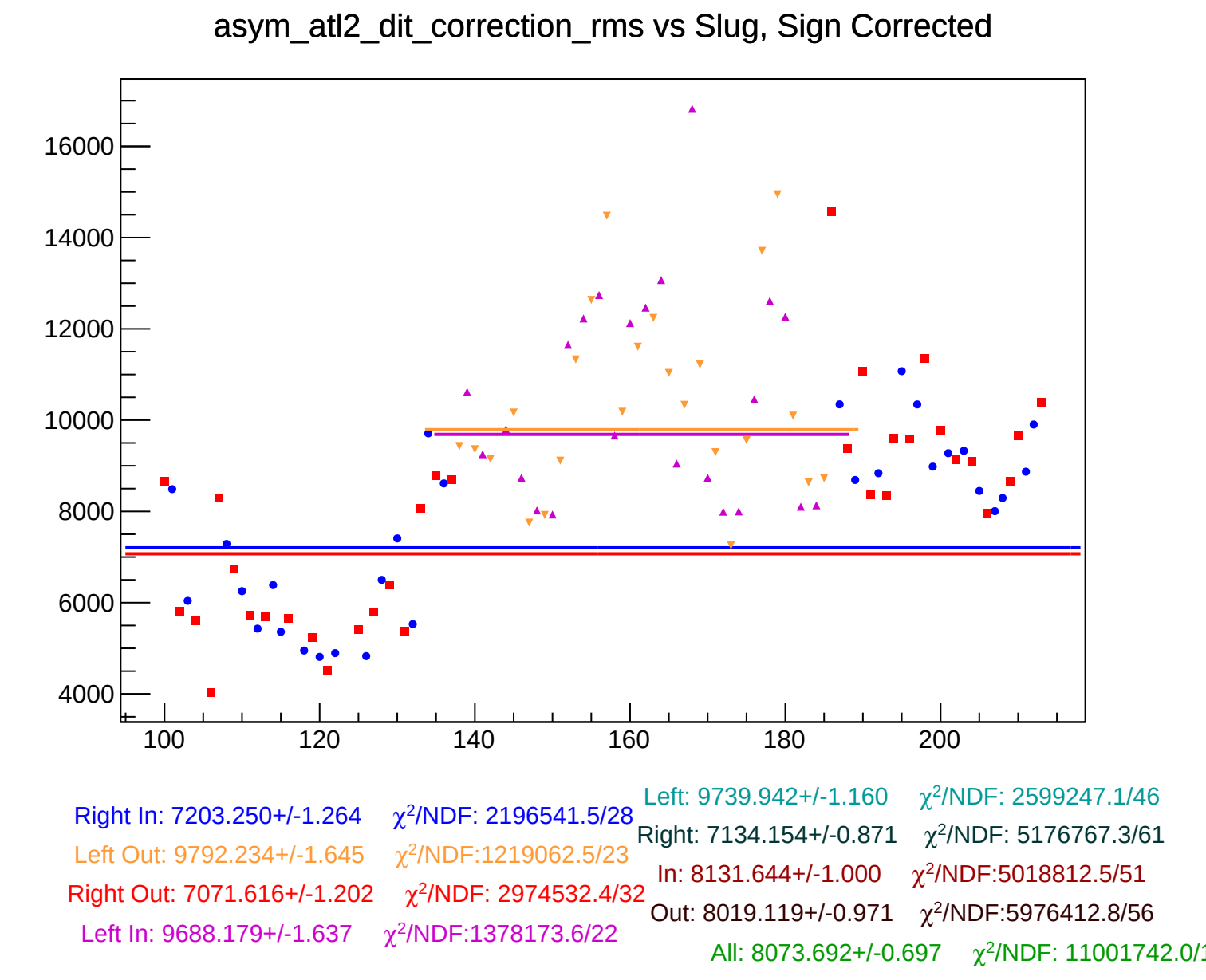
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

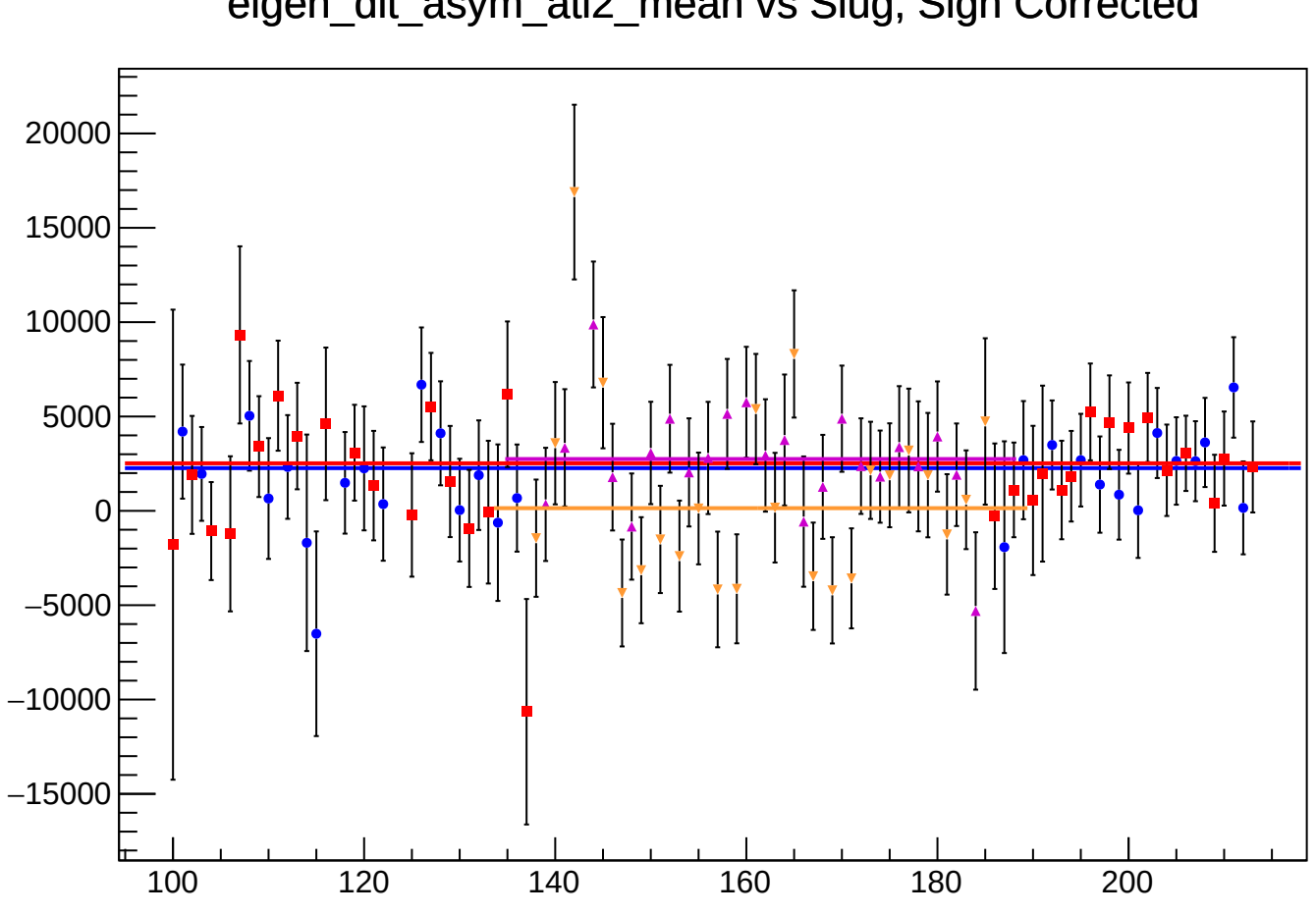
Right: -403.294+/-1232.049 χ^2/NDF: 79.9/61

In: -387.428+/-1414.693 χ^2/NDF:42.2/51

Out: -775.086+/-1372.841 χ^2/NDF:82.1/56

All: -587.076+/-985.209 χ^2/NDF: 124.3/108


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 7203.250+/-1.264 χ²/NDF: 2196541.5/28
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: 7134.154+/-0.871 χ²/NDF: 5176767.3/61
In: 8131.644+/-1.000 χ²/NDF:5018812.5/51
Out: 8019.119+/-0.971 χ²/NDF:5976412.8/56
All: 8073.692+/-0.697 χ²/NDF: 11001742.0/1



Right In: 2264.699+/-519.390 χ^2/NDF: 15.5/28

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: 2518.927+/-505.893 χ^2/NDF: 22.6/32

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

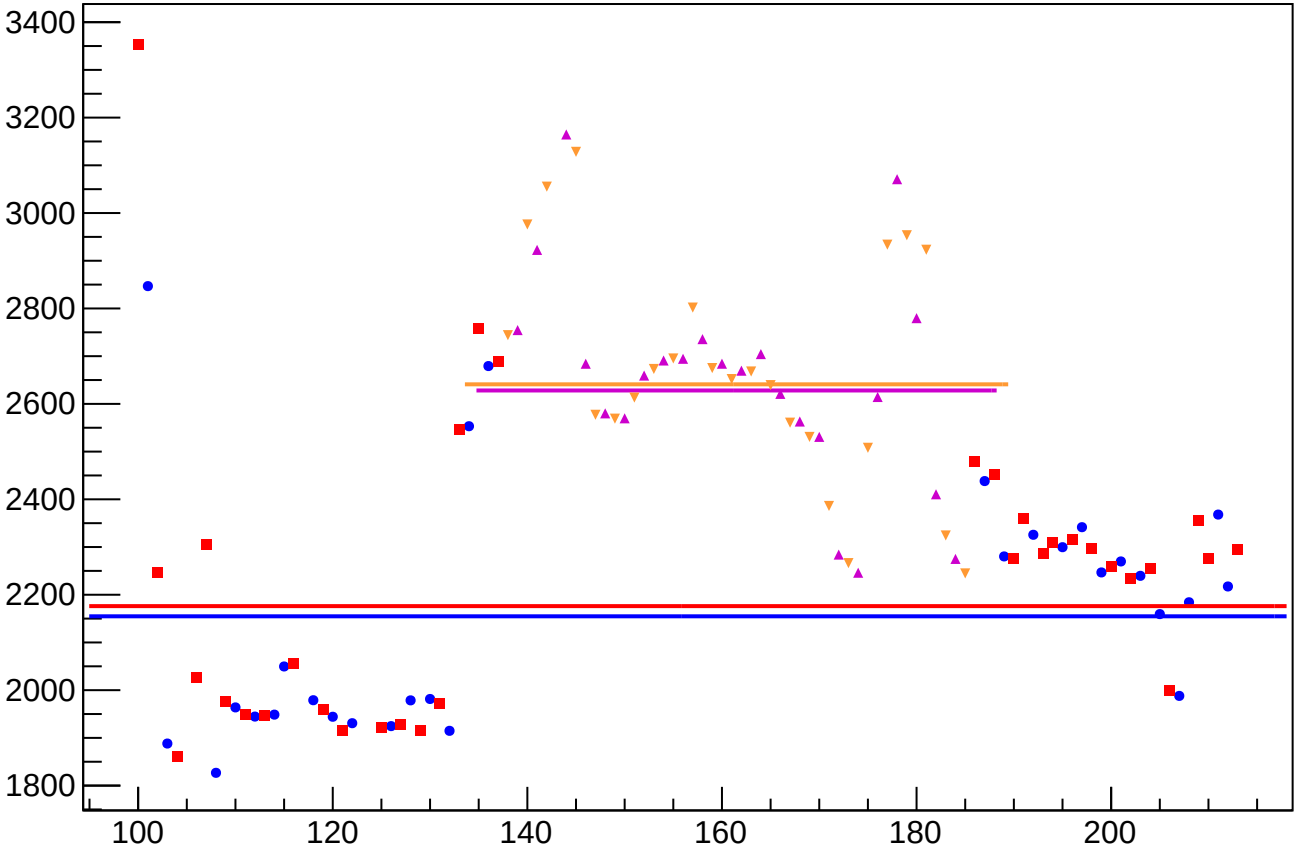
Right: 2395.159+/-362.398 χ^2/NDF: 38.2/61

In: 2464.635+/-397.113 χ^2/NDF:31.3/51

Out: 1561.216+/-390.882 χ^2/NDF:77.3/56

All: 2005.782+/-278.572 χ^2/NDF: 111.2/108

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2154.814+/-0.367 χ^2/NDF: 375532.8/28

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

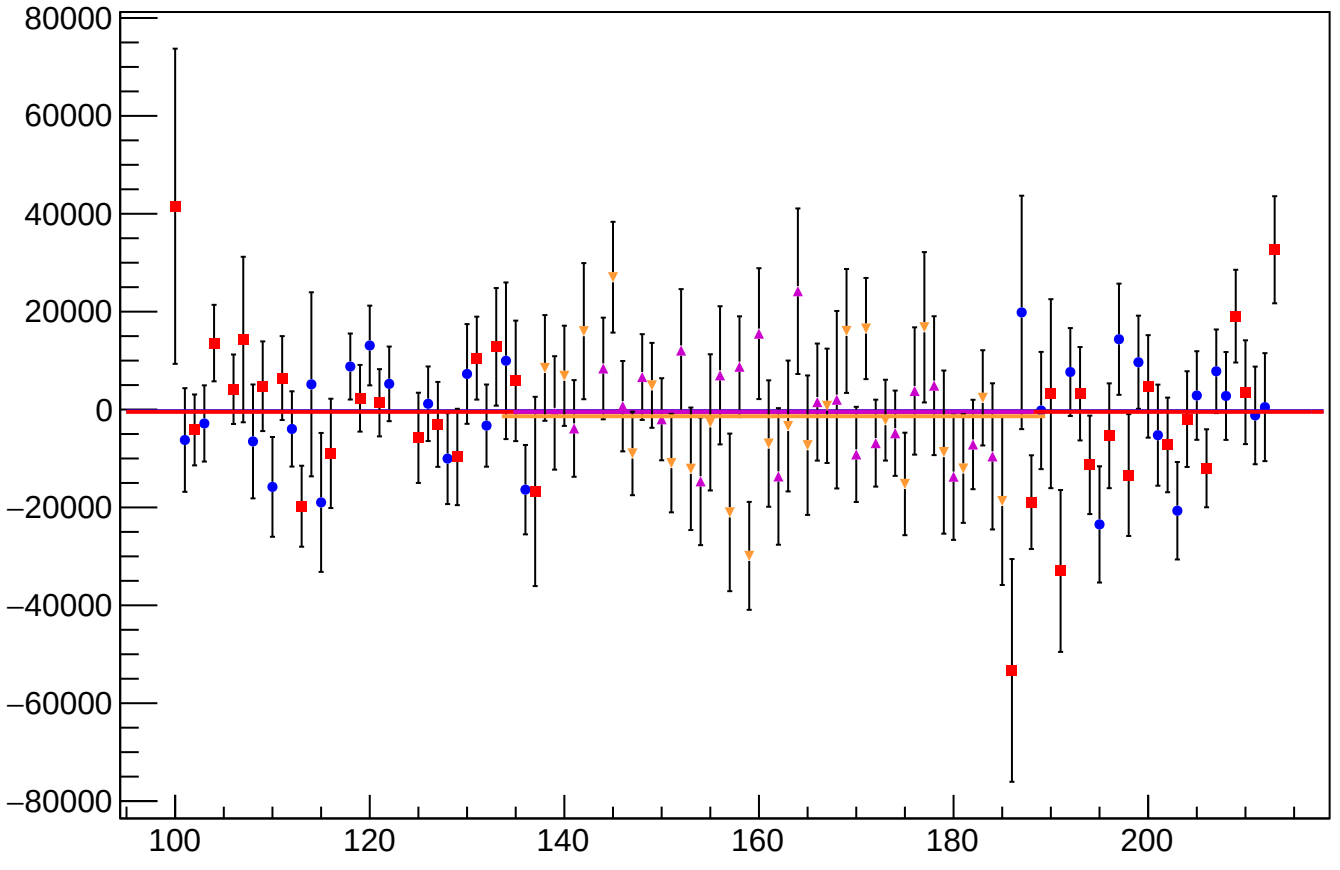
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2165.772+/-0.256 χ^2/NDF: 730512.3/61

In: 2351.435+/-0.281 χ^2/NDF:1302989.8/51

Out: 2363.340+/-0.276 χ^2/NDF:1287504.7/56

All: 2357.484+/-0.197 χ^2/NDF: 2591407.9/10



Right In: -341.884+/-1787.473 χ^2/NDF: 29.1/28

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

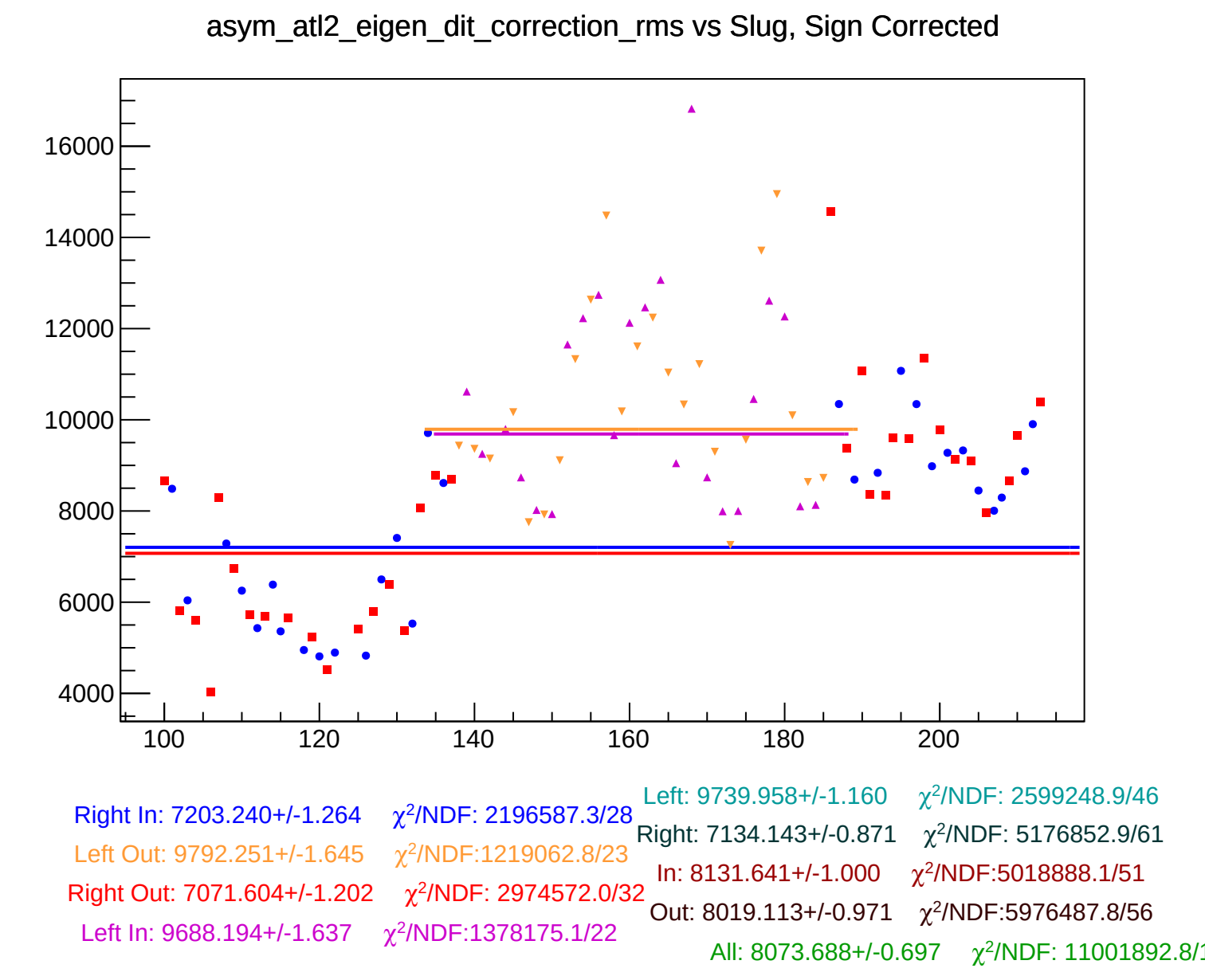
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -403.286+/-1232.047 χ^2/NDF: 79.9/61

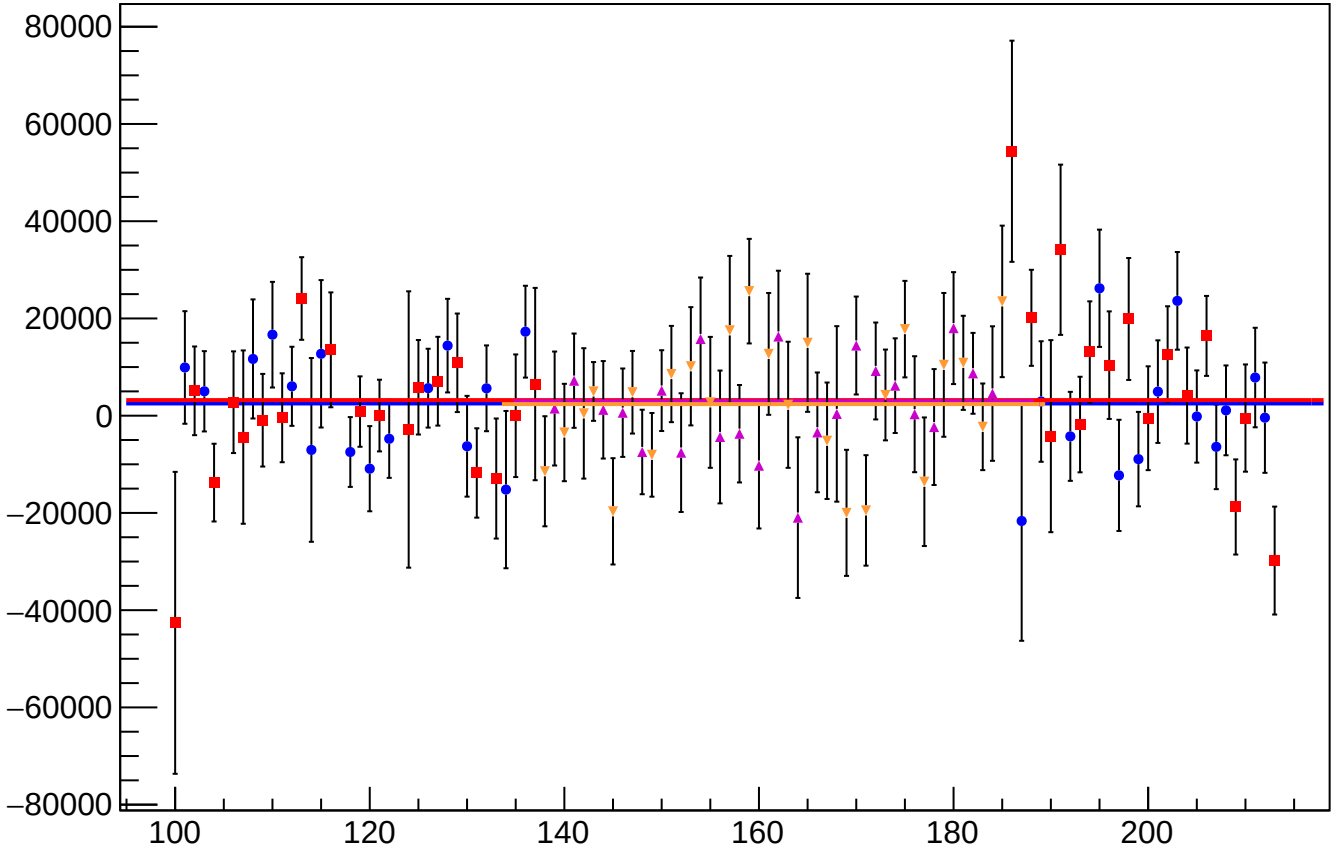
In: -387.424+/-1414.693 χ^2/NDF:42.2/51

Out: -775.083+/-1372.841 χ^2/NDF:82.1/56

All: -587.073+/-985.209 χ^2/NDF: 124.3/108


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: 7203.240+/-1.264 χ²/NDF: 2196587.3/28
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: 7134.143+/-0.871 χ²/NDF: 5176852.9/61
In: 8131.641+/-1.000 χ²/NDF:5018888.1/51
Out: 8019.113+/-0.971 χ²/NDF:5976487.8/56
All: 8073.688+/-0.697 χ²/NDF: 11001892.8/1

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2515.515+/-1863.009 χ^2/NDF: 29.3/28

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

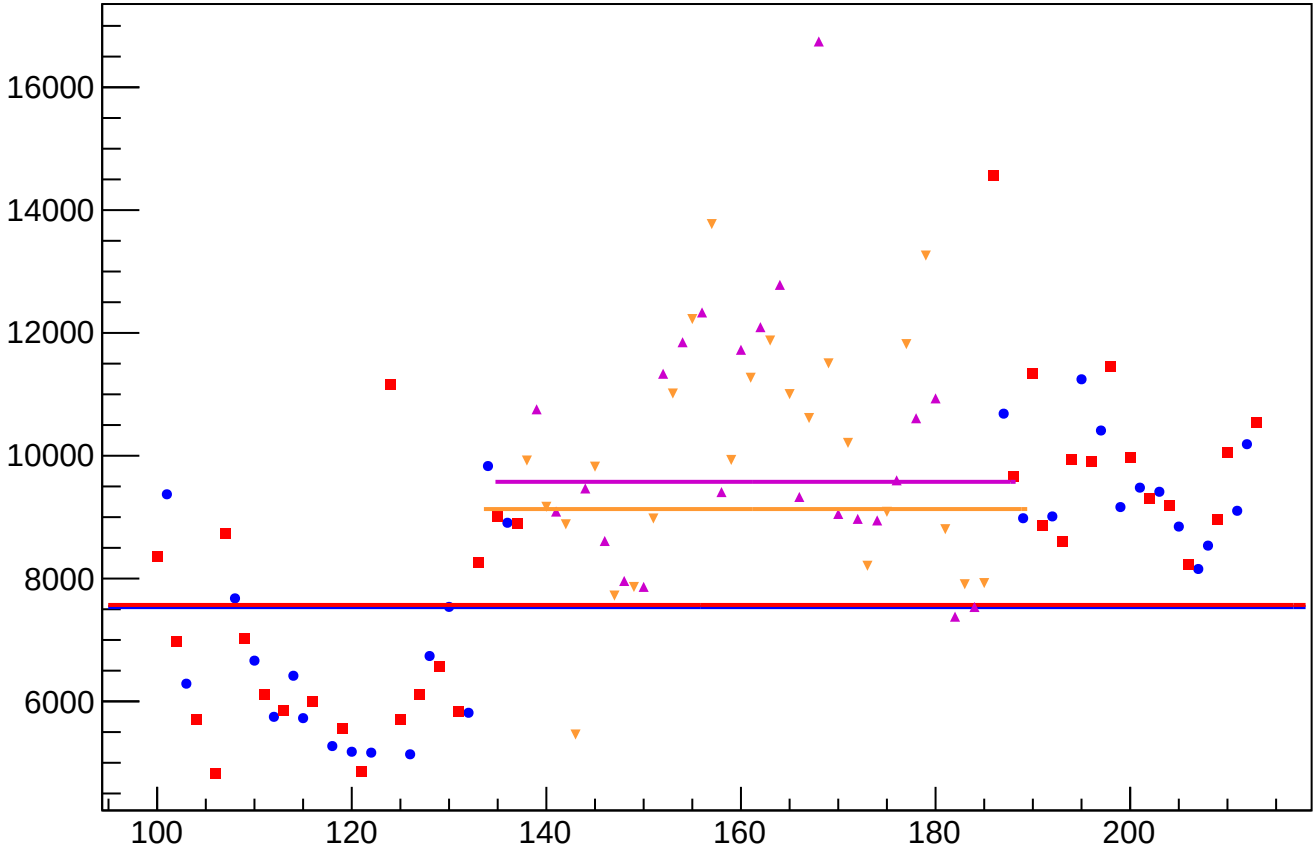
Right: 2871.935+/-1296.998 χ^2/NDF: 81.3/62

In: 2694.987+/-1442.375 χ^2/NDF:42.3/51

Out: 2865.548+/-1379.592 χ^2/NDF:81.8/58

All: 2784.060+/-996.976 χ^2/NDF: 124.1/110

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7534.796+/-1.317 χ^2/NDF: 1955971.1/28

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

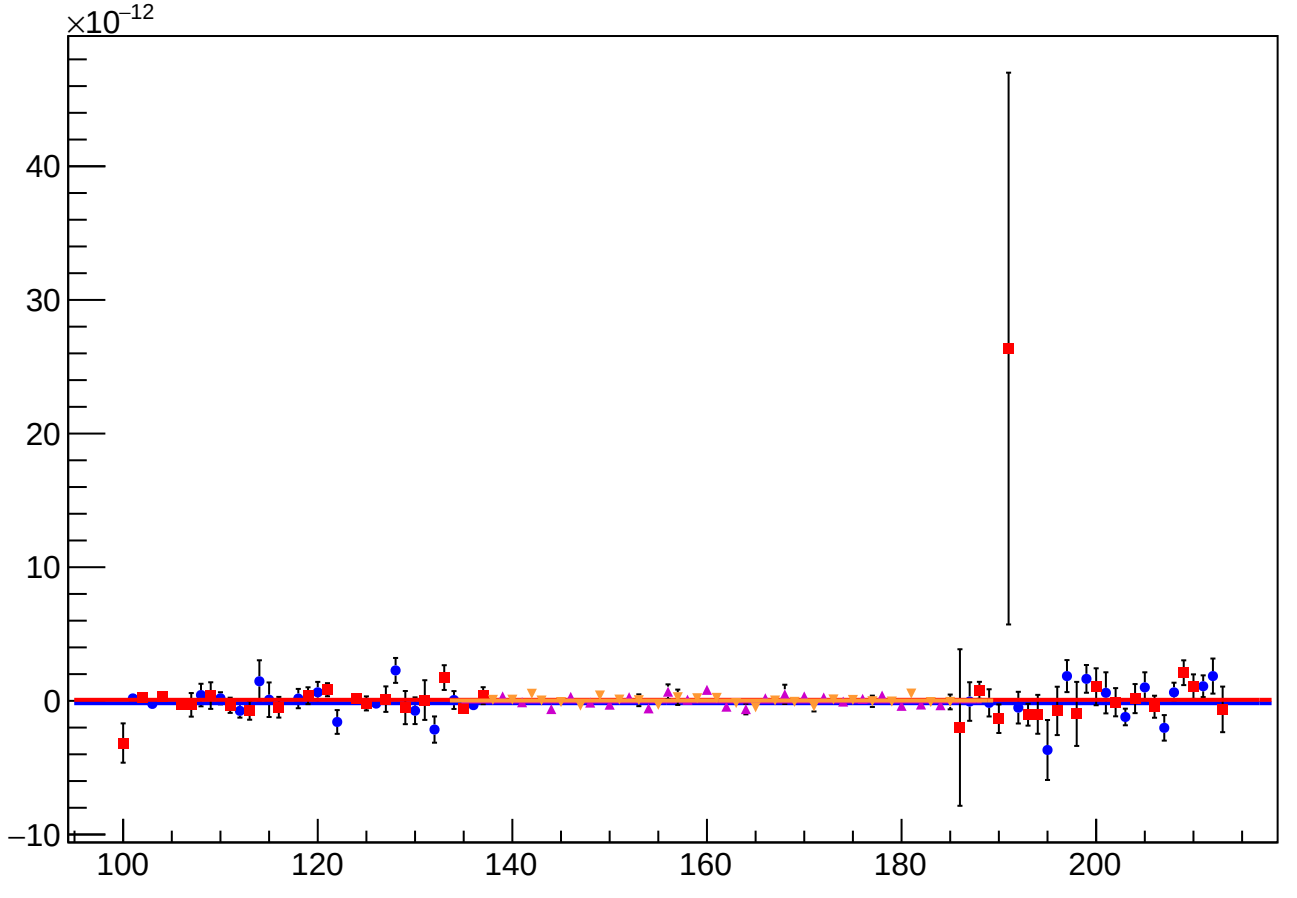
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7553.109+/-0.917 χ^2/NDF: 4393950.4/62

In: 8352.166+/-1.020 χ^2/NDF:4070816.4/51

Out: 8221.348+/-0.976 χ^2/NDF:4872049.0/58

All: 8283.848+/-0.705 χ^2/NDF: 8951456.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 43.4/28

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

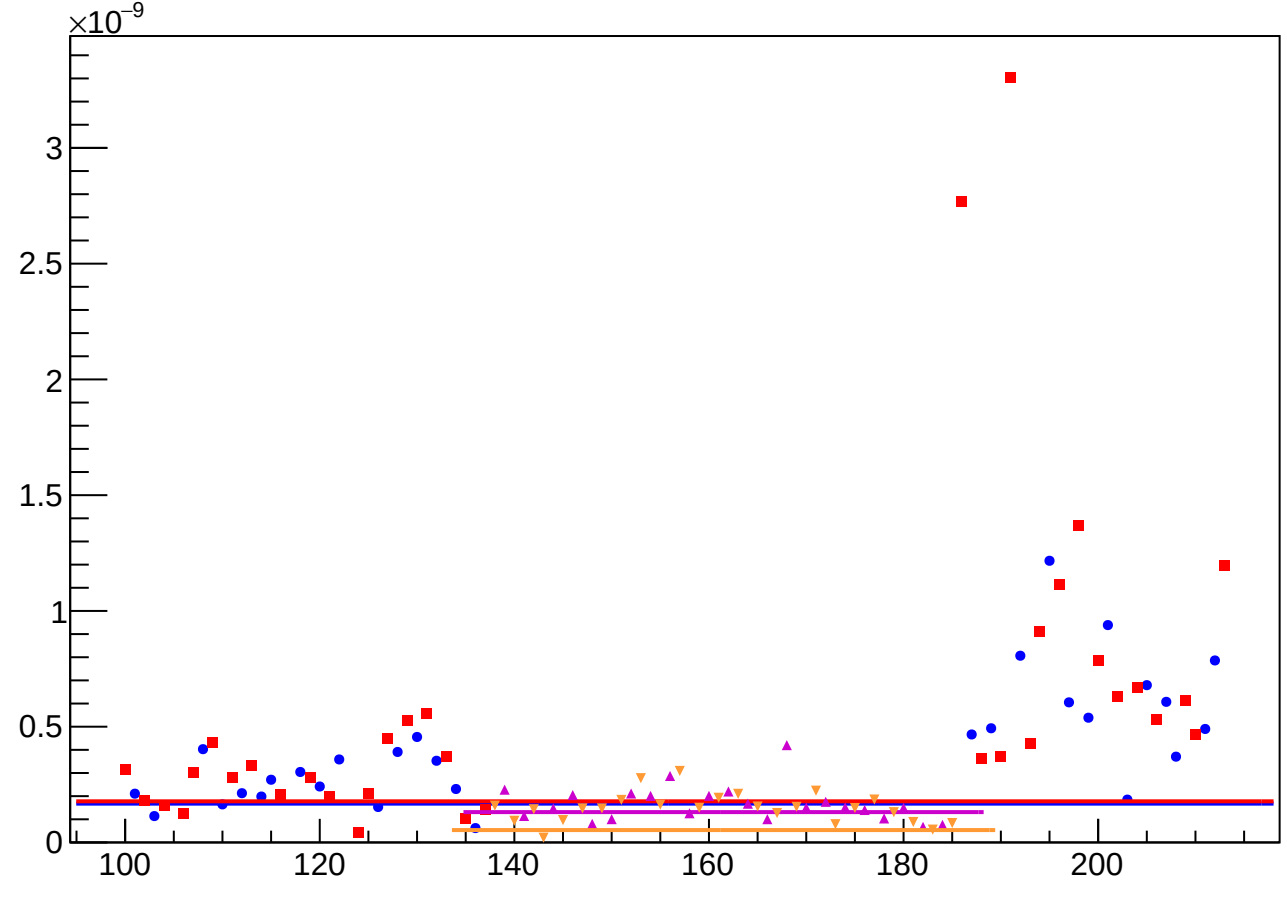
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 82.9/62

In: -0.000+/-0.000 χ^2/NDF:81.6/51

Out: 0.000+/-0.000 χ^2/NDF:53.7/58

All: -0.000+/-0.000 χ^2/NDF: 139.7/110



Right In: 0.000+/-0.000 χ^2/NDF: 6134881.1/28

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

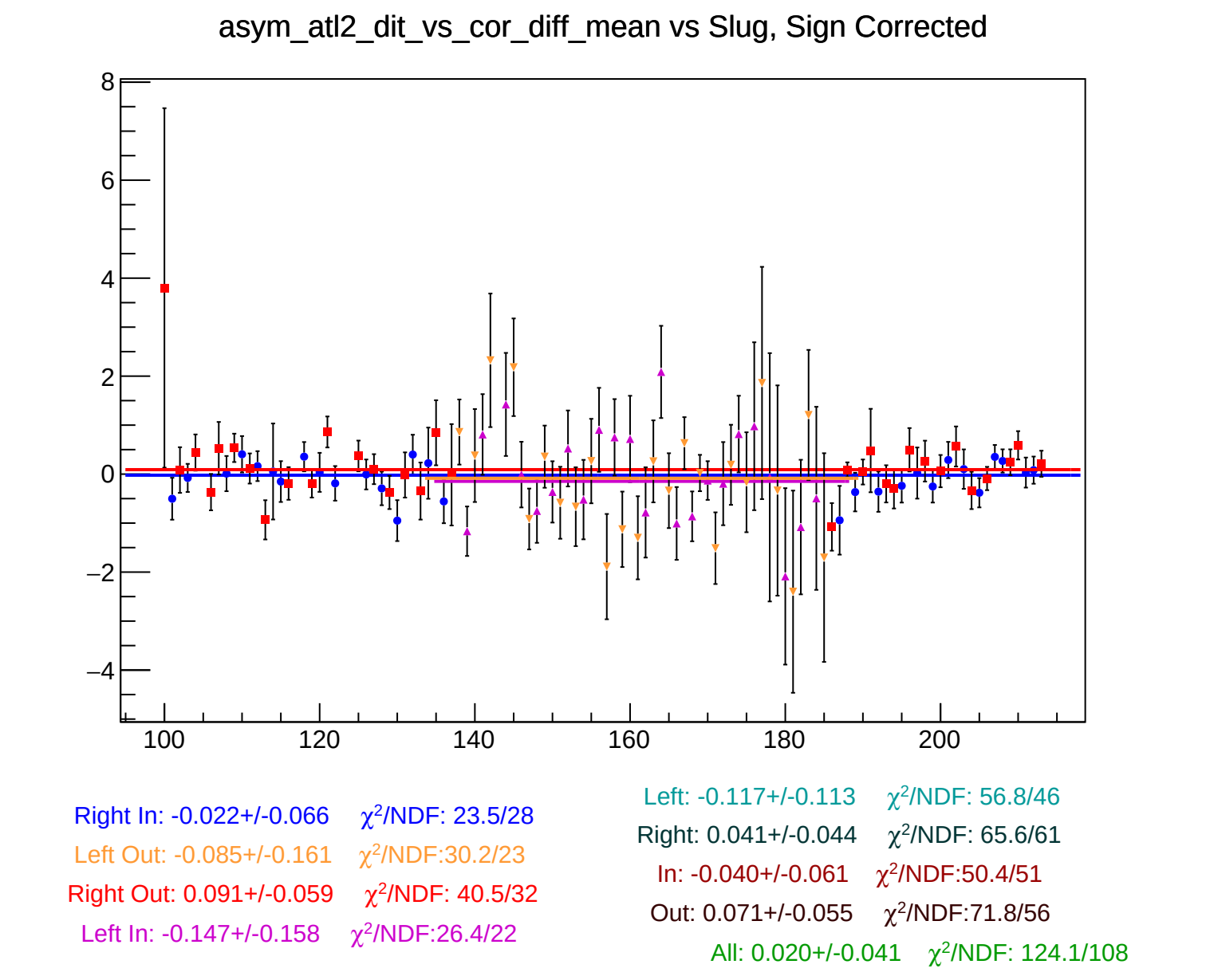
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14150764.4/62

In: 0.000+/-0.000 χ^2/NDF:8280168.0/51

Out: 0.000+/-0.000 χ^2/NDF:18634067.3/58

All: 0.000+/-0.000 χ^2/NDF: 30741965.6/110


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
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180
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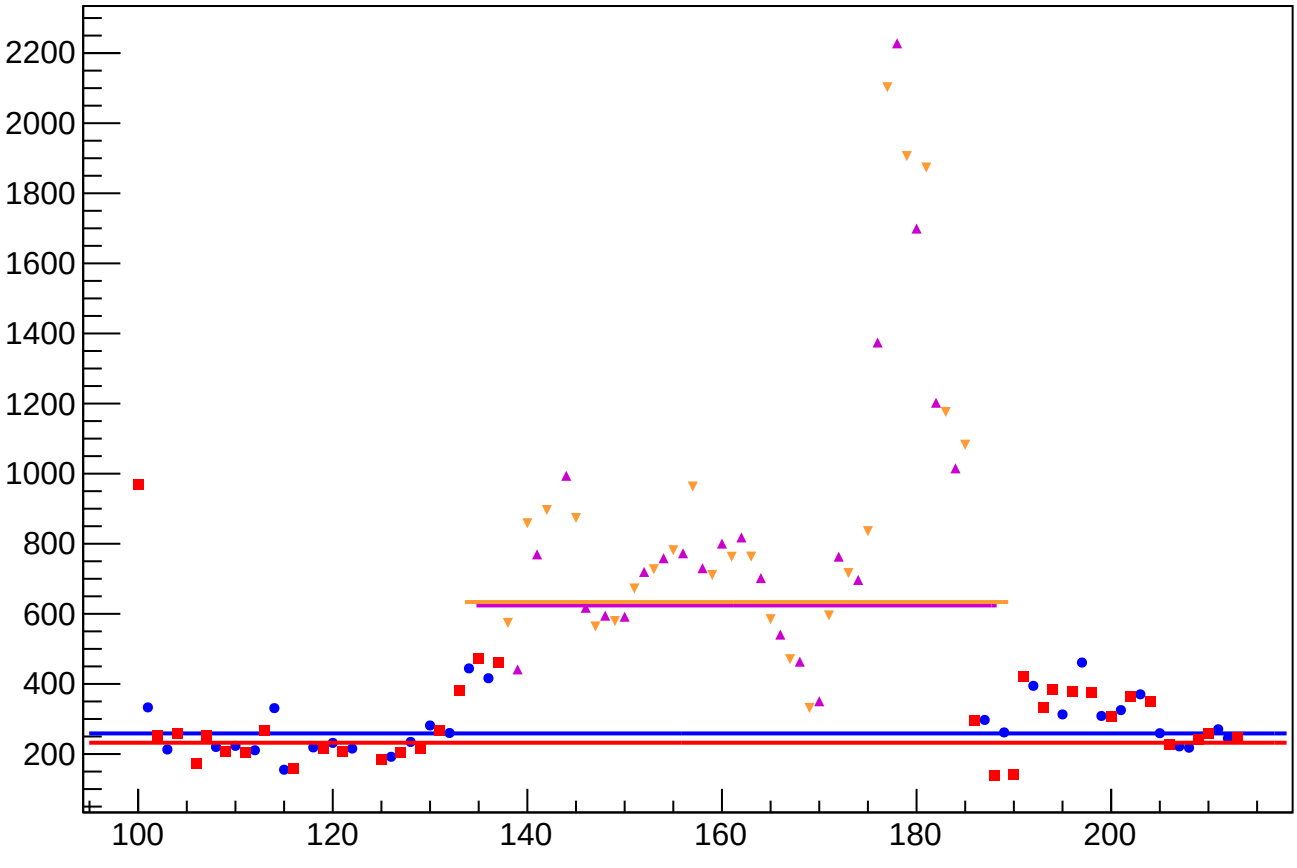
Right In: -0.022+/-0.066 χ²/NDF: 23.5/28
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.091+/-0.059 χ²/NDF: 40.5/32
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.041+/-0.044 χ²/NDF: 65.6/61
In: -0.040+/-0.061 χ²/NDF:50.4/51
Out: 0.071+/-0.055 χ²/NDF:71.8/56
All: 0.020+/-0.041 χ²/NDF: 124.1/108



Right In: 258.776+/-0.046 χ^2/NDF: 1855797.4/28

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

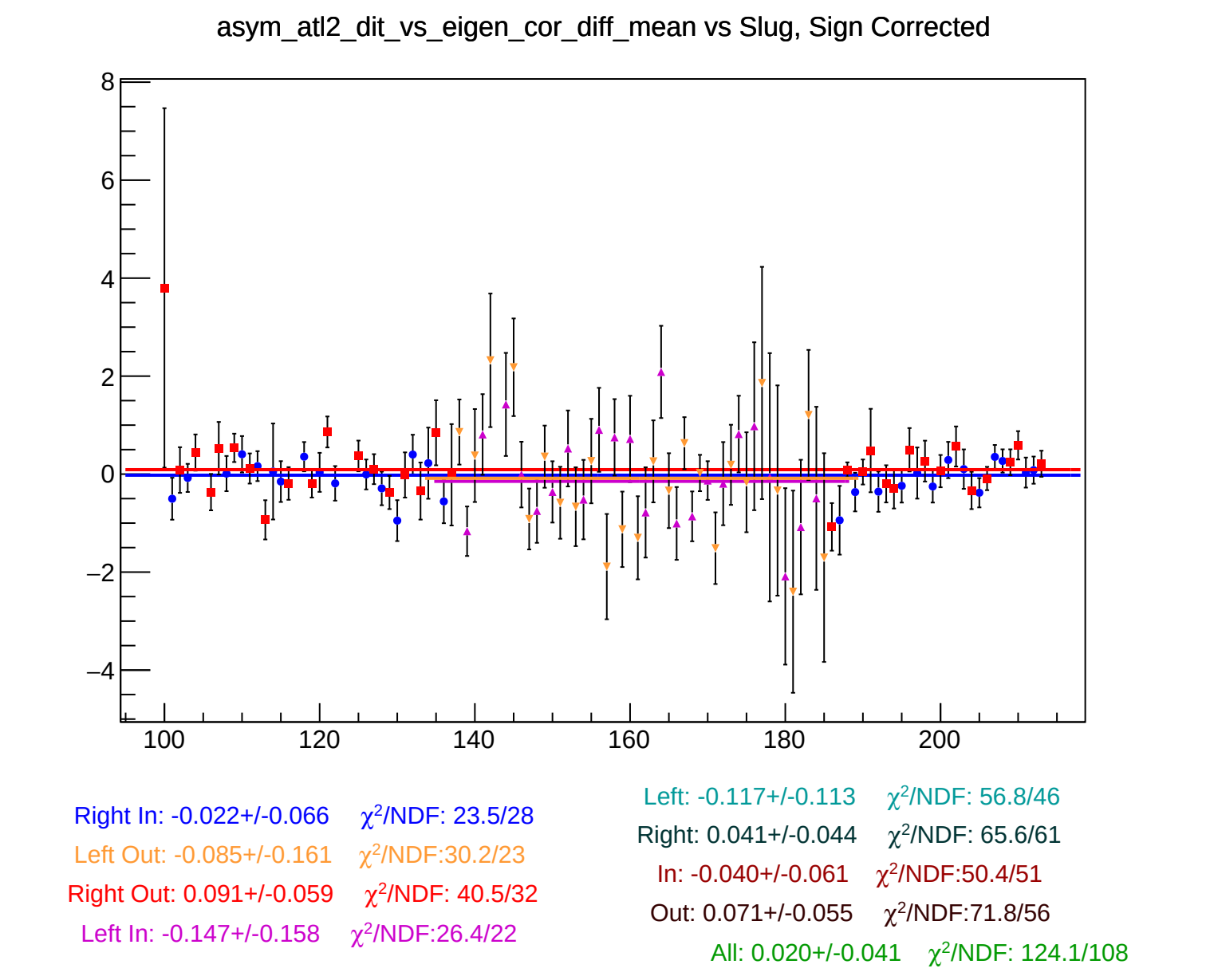
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 244.009+/-0.031 χ^2/NDF: 5476149.5/61

In: 312.322+/-0.043 χ^2/NDF:15488025.7/51

Out: 278.906+/-0.039 χ^2/NDF:19362038.1/56

All: 294.015+/-0.029 χ^2/NDF: 35183377.8/10


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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140
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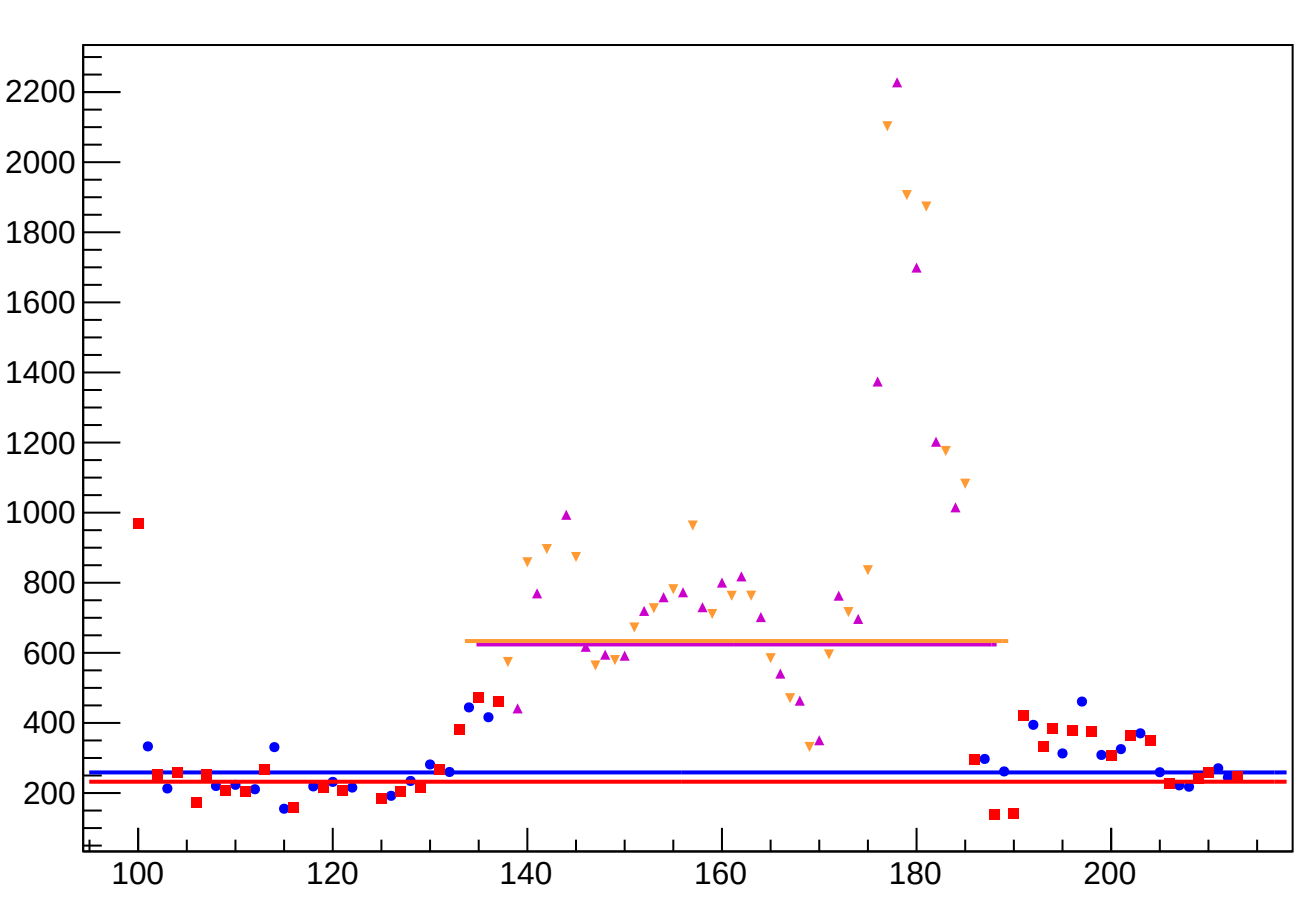
180
200
Right In: -0.022+/-0.066 χ²/NDF: 23.5/28
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.091+/-0.059 χ²/NDF: 40.5/32
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.041+/-0.044 χ²/NDF: 65.6/61
In: -0.040+/-0.061 χ²/NDF:50.4/51
Out: 0.071+/-0.055 χ²/NDF:71.8/56
All: 0.020+/-0.041 χ²/NDF: 124.1/108



Right In: 258.776+/-0.046 χ^2/NDF: 1855797.4/28

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

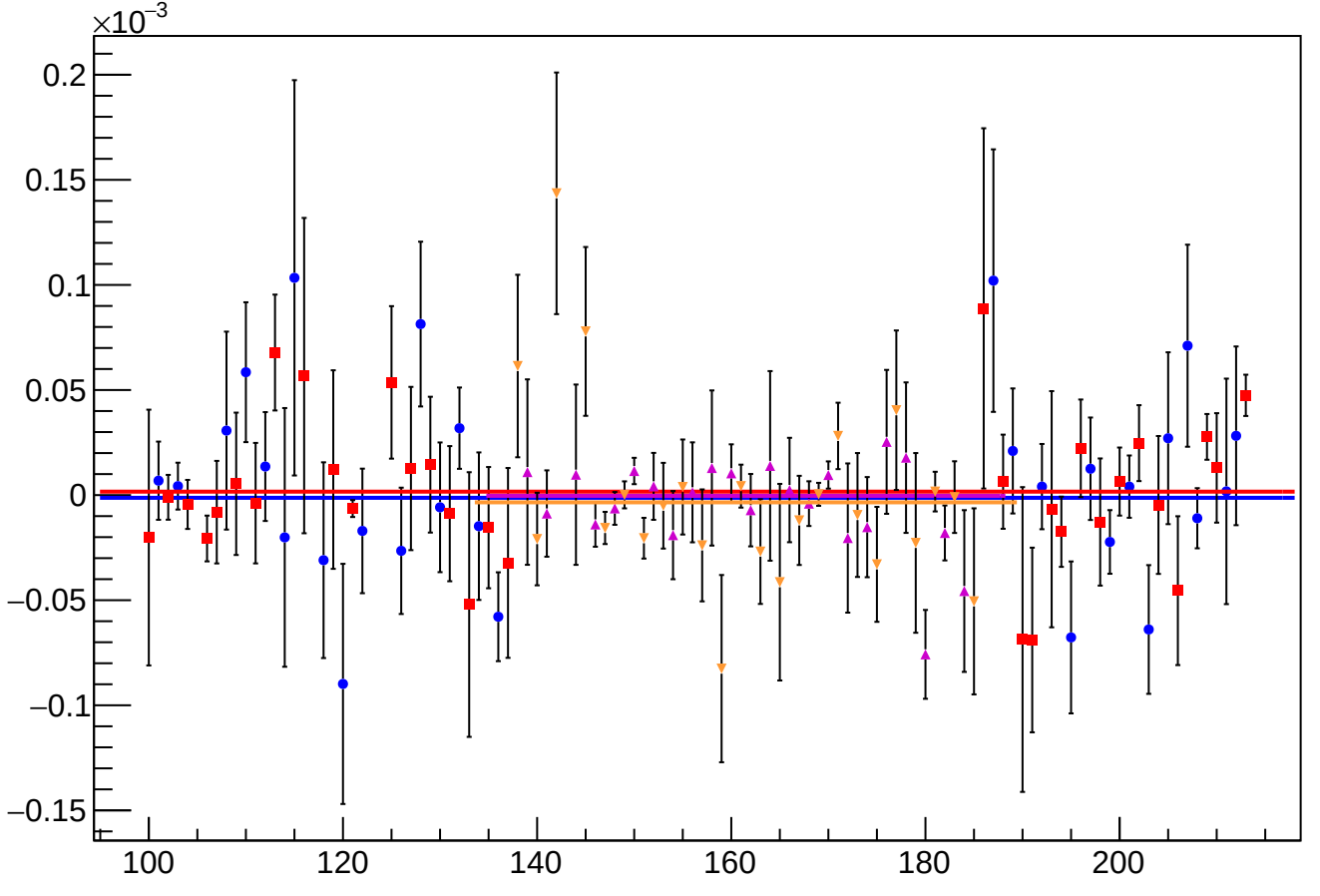
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 244.009+/-0.031 χ^2/NDF: 5476149.5/61

In: 312.322+/-0.043 χ^2/NDF:15488025.7/51

Out: 278.906+/-0.039 χ^2/NDF:19362038.1/56

All: 294.015+/-0.029 χ^2/NDF: 35183377.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.3/28

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

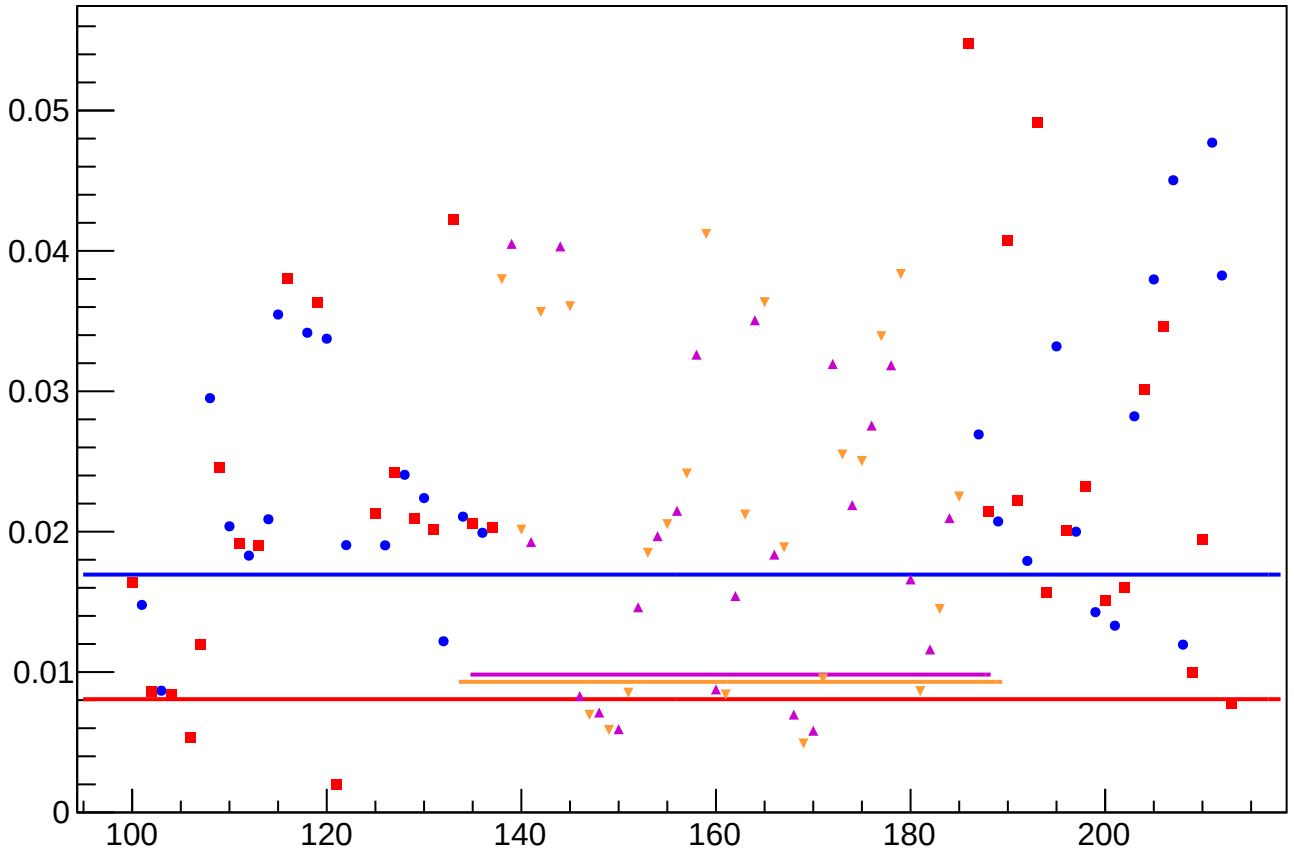
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: 0.000+/-0.000 χ^2/NDF: 99.1/61

In: -0.000+/-0.000 χ^2/NDF:69.2/51

Out: -0.000+/-0.000 χ^2/NDF:93.4/56

All: -0.000+/-0.000 χ^2/NDF: 162.7/108



Right In: 0.017+/-0.000 χ^2/NDF: 5758962.3/28

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

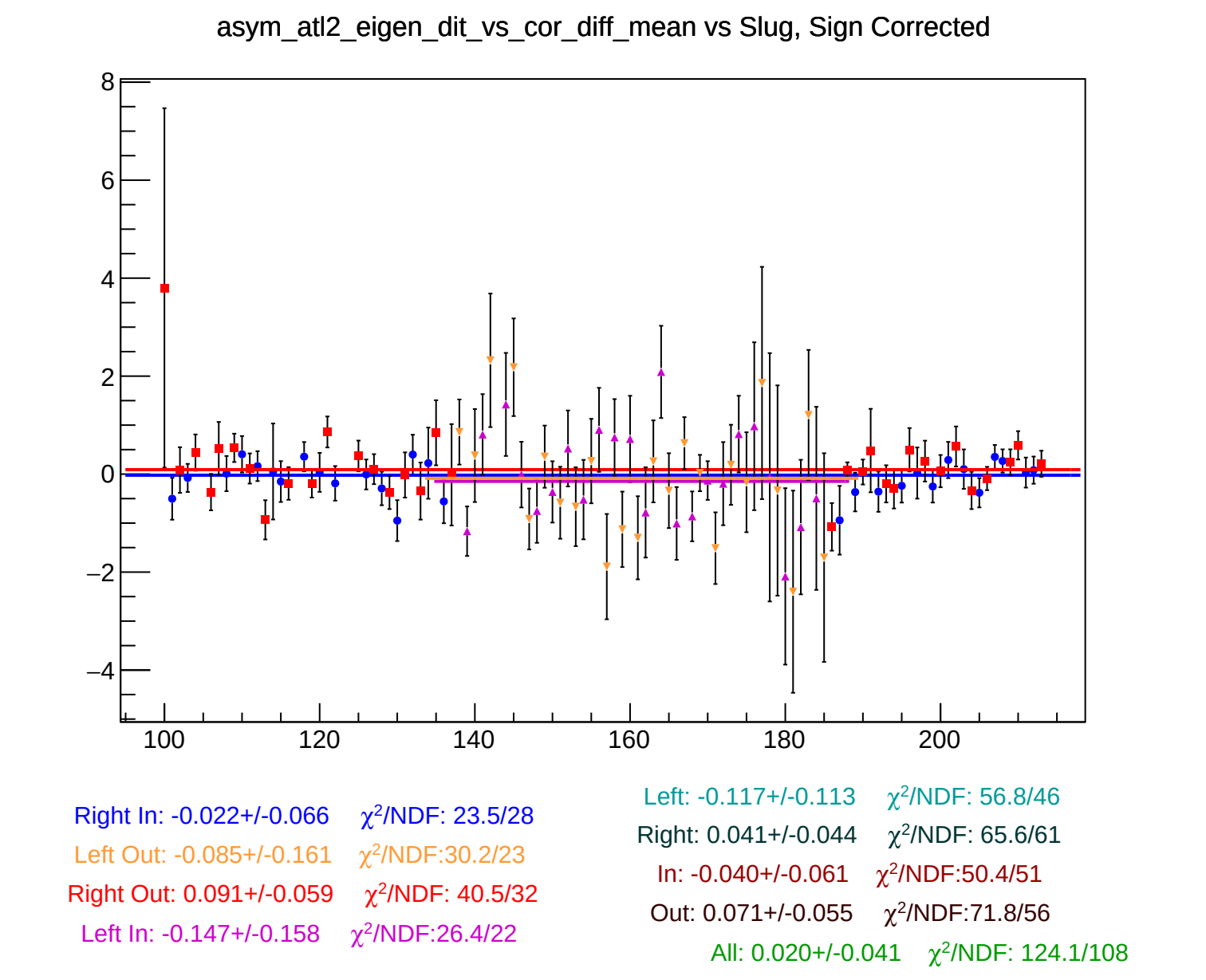
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.010+/-0.000 χ^2/NDF: 28209792.3/61

In: 0.012+/-0.000 χ^2/NDF:19521319.1/51

Out: 0.009+/-0.000 χ^2/NDF:29317634.9/56

All: 0.010+/-0.000 χ^2/NDF: 50917168.8/108


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
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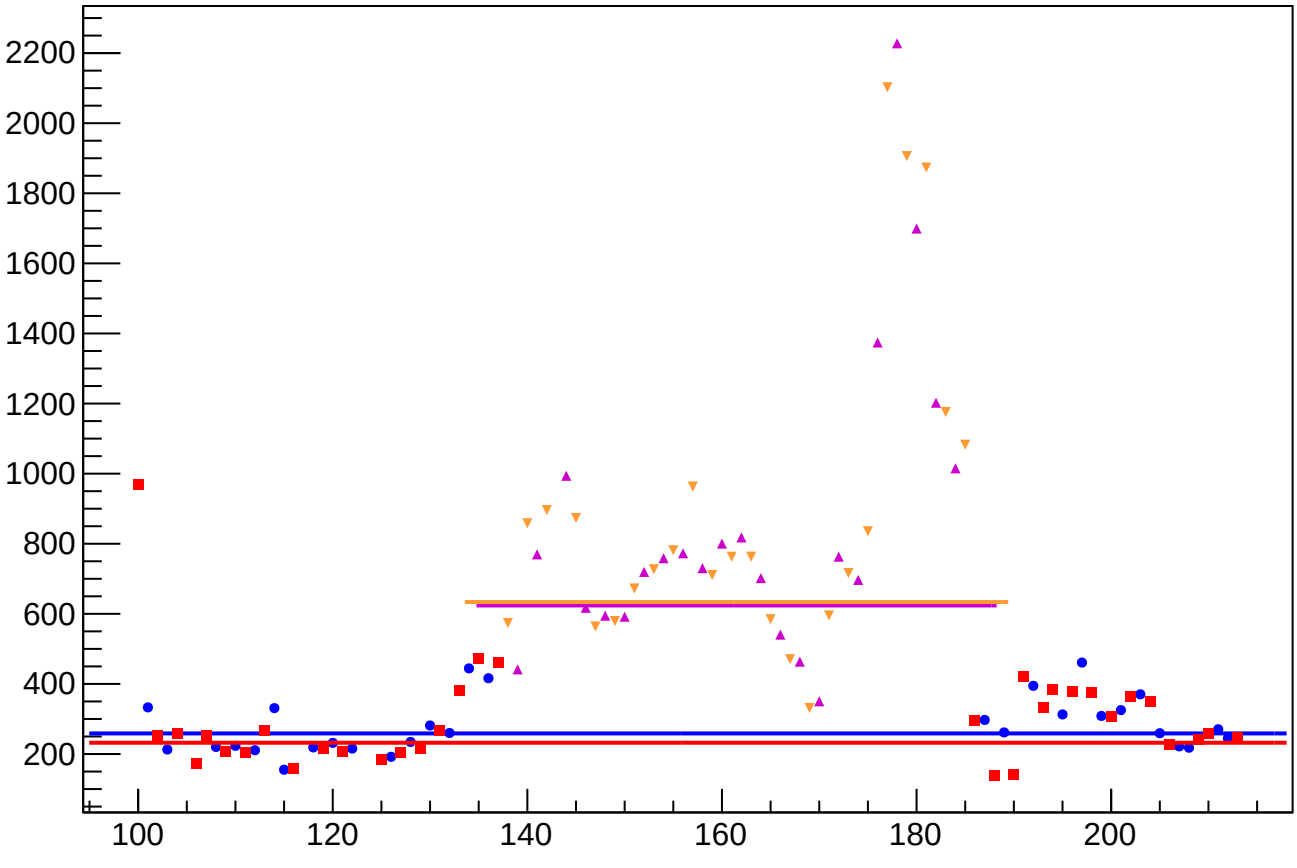
200
Right In: -0.022+/-0.066 χ²/NDF: 23.5/28
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.091+/-0.059 χ²/NDF: 40.5/32
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.041+/-0.044 χ²/NDF: 65.6/61
In: -0.040+/-0.061 χ²/NDF:50.4/51
Out: 0.071+/-0.055 χ²/NDF:71.8/56
All: 0.020+/-0.041 χ²/NDF: 124.1/108



Right In: 258.777+/-0.046 χ^2/NDF: 1855785.6/28

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

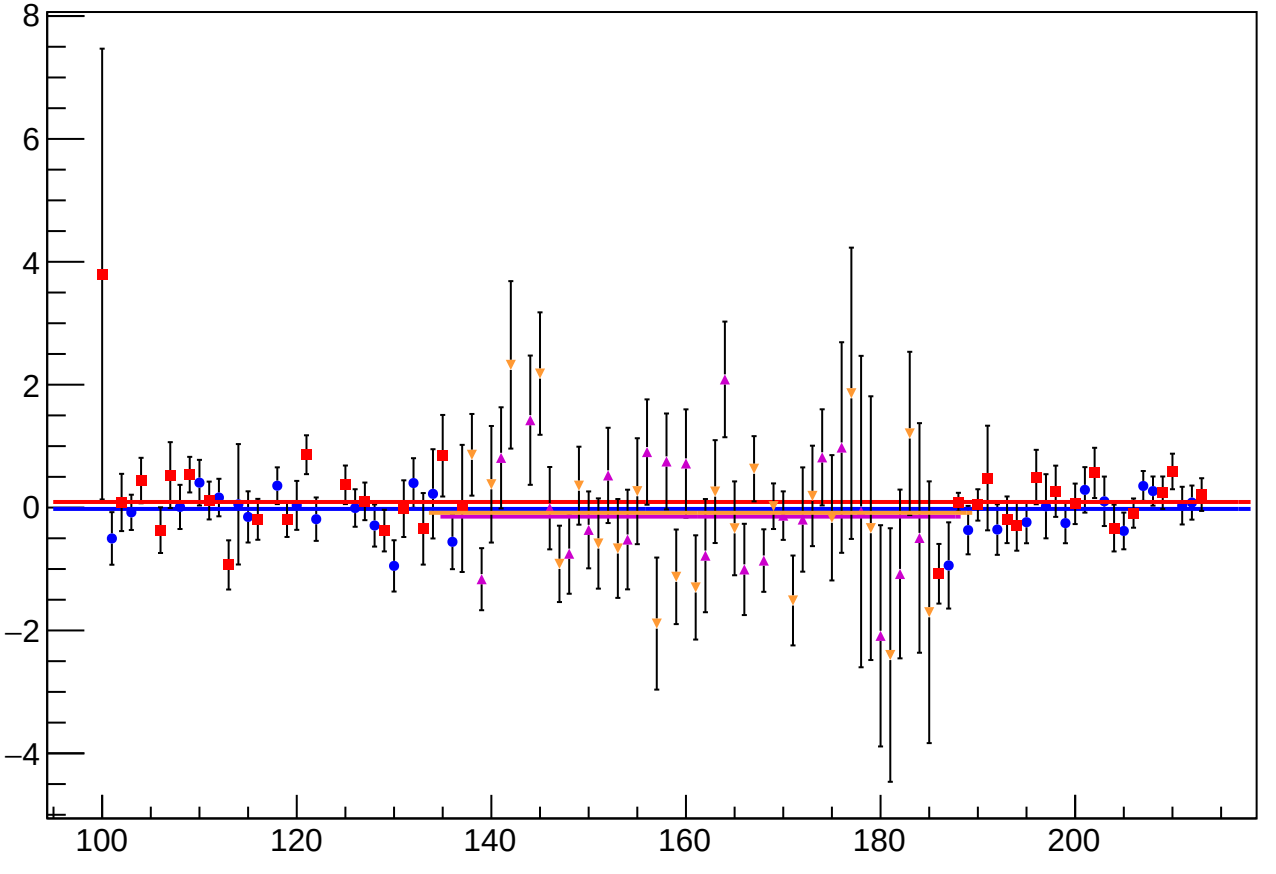
Right: 244.008+/-0.031 χ^2/NDF: 5476328.3/61

In: 312.323+/-0.043 χ^2/NDF:15488104.1/51

Out: 278.904+/-0.039 χ^2/NDF:19362460.7/56

All: 294.014+/-0.029 χ^2/NDF: 35183950.3/10

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.066 χ^2/NDF: 23.5/28

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

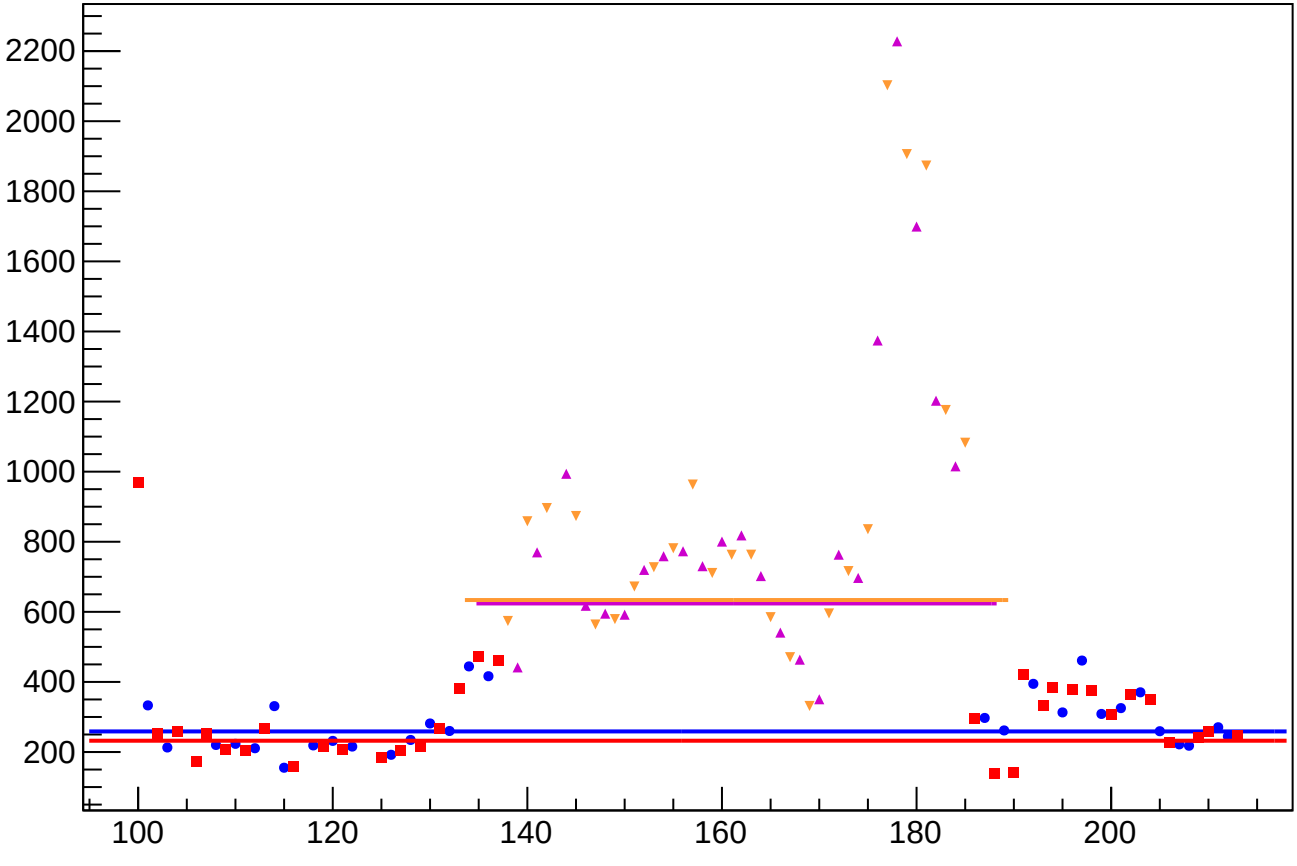
Right: 0.041+/-0.044 χ^2/NDF: 65.6/61

In: -0.040+/-0.061 χ^2/NDF:50.4/51

Out: 0.071+/-0.055 χ^2/NDF:71.8/56

All: 0.020+/-0.041 χ^2/NDF: 124.1/108

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 258.777+/-0.046 χ^2/NDF: 1855785.6/28

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

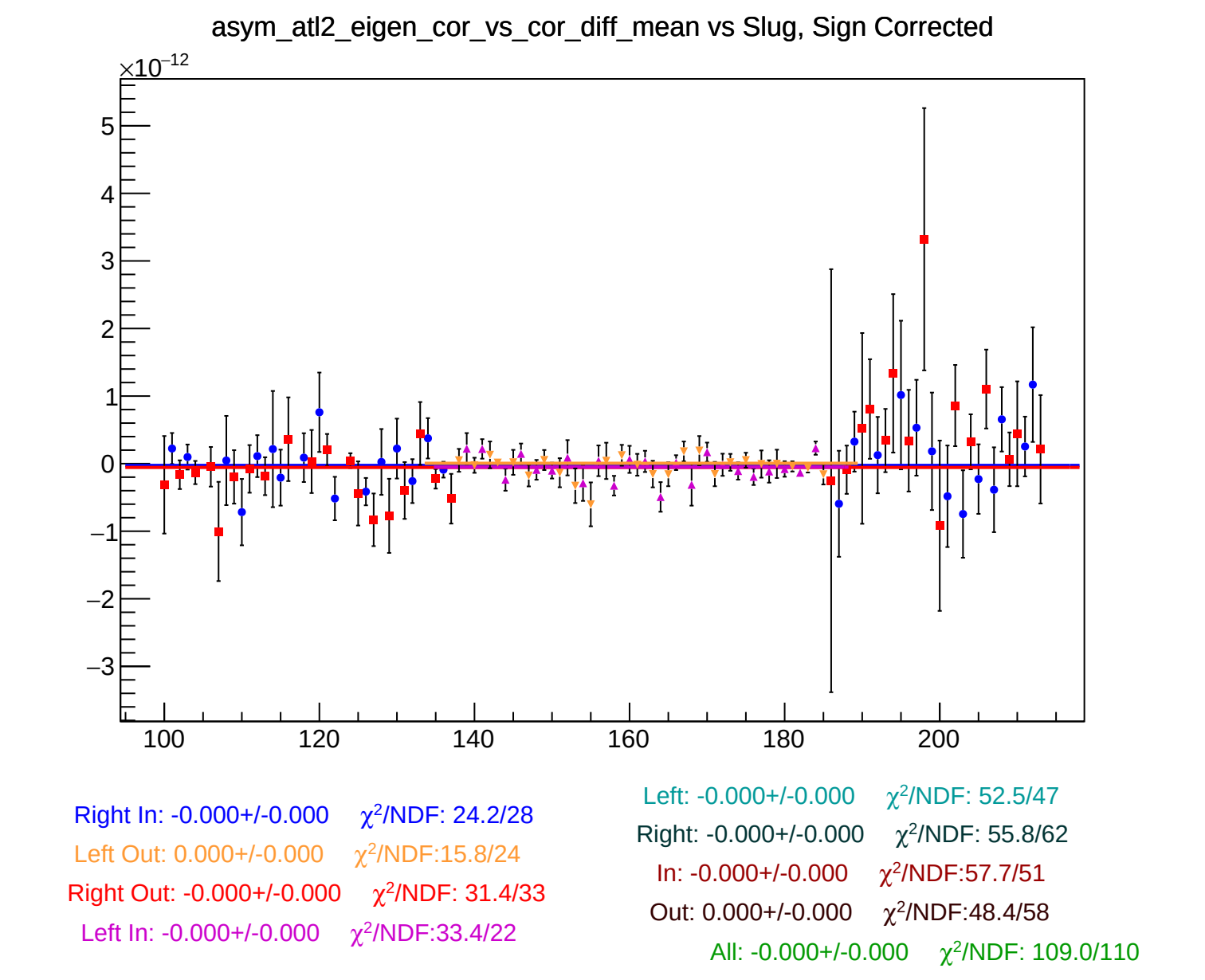
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 244.008+/-0.031 χ^2/NDF: 5476328.3/61

In: 312.323+/-0.043 χ^2/NDF:15488104.1/51

Out: 278.904+/-0.039 χ^2/NDF:19362460.7/56

All: 294.014+/-0.029 χ^2/NDF: 35183950.3/10


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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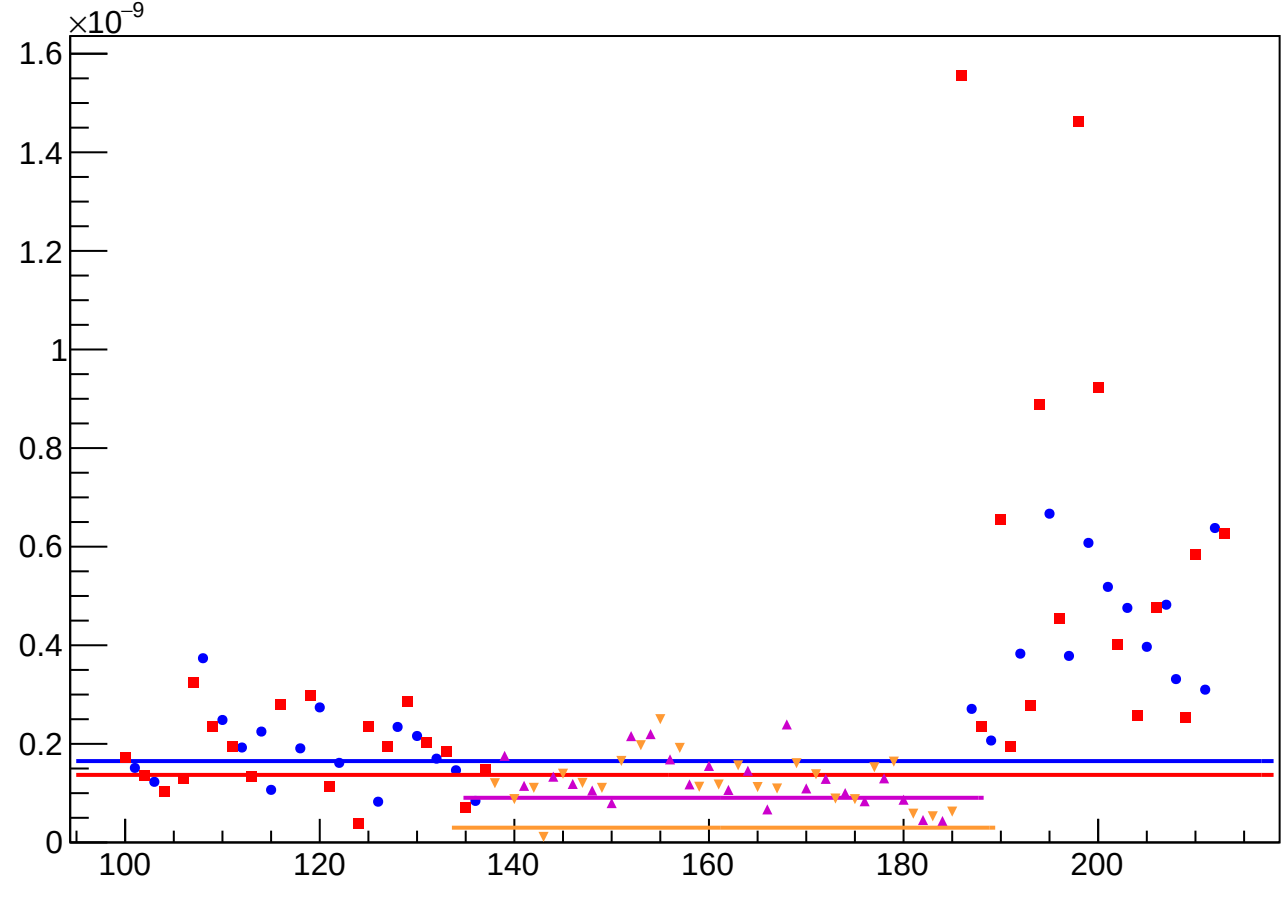
Right In: -0.000+/-0.000 χ²/NDF: 24.2/28
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.4/33
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 55.8/62
In: -0.000+/-0.000 χ²/NDF:57.7/51
Out: 0.000+/-0.000 χ²/NDF:48.4/58
All: -0.000+/-0.000 χ²/NDF: 109.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 6235761.6/28

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

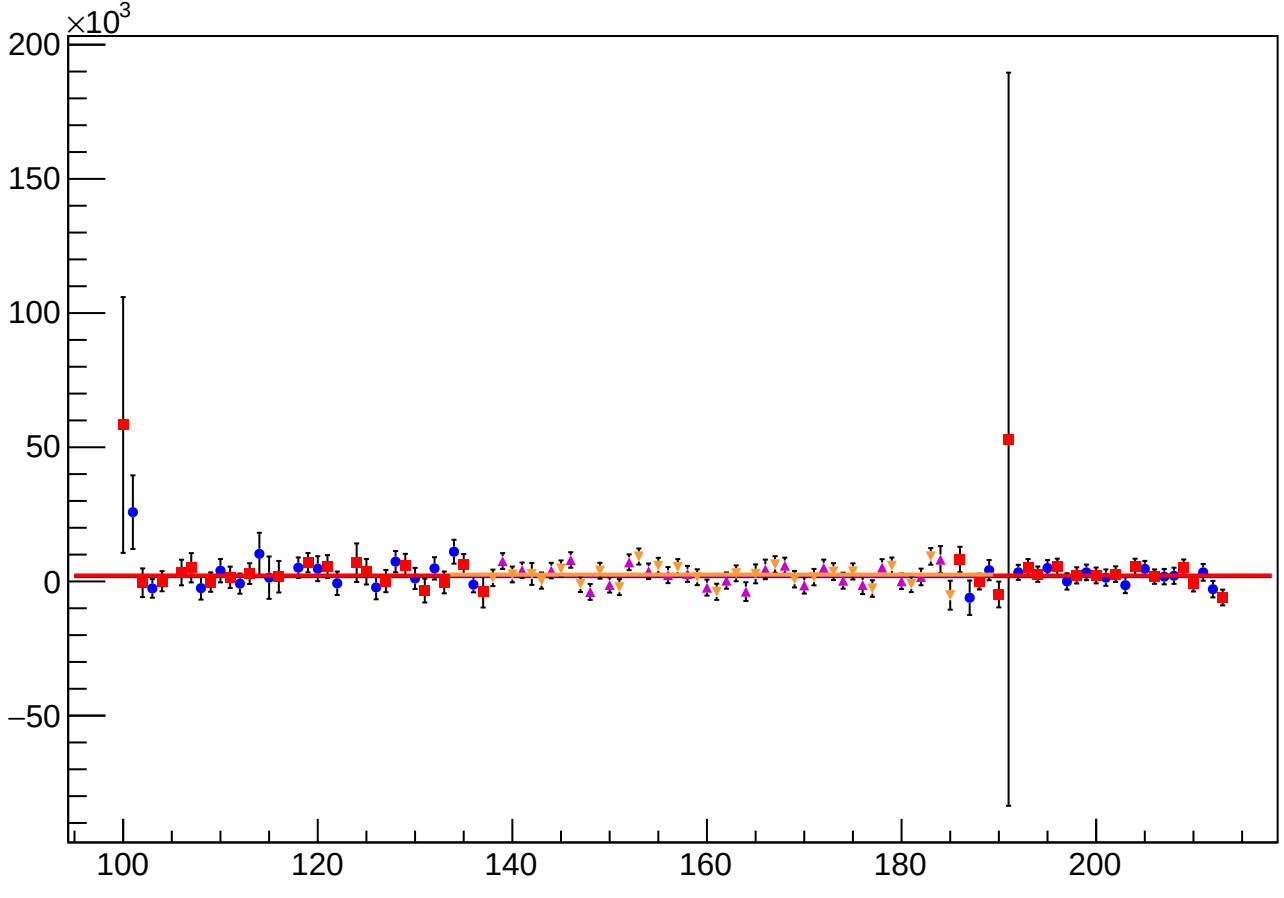
Right: 0.000+/-0.000 χ^2/NDF: 16369604.8/62

In: 0.000+/-0.000 χ^2/NDF:13311132.3/51

Out: 0.000+/-0.000 χ^2/NDF:34232429.8/58

All: 0.000+/-0.000 χ^2/NDF: 58370827.6/110

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1974.473+/-672.459 χ^2/NDF: 26.5/28

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

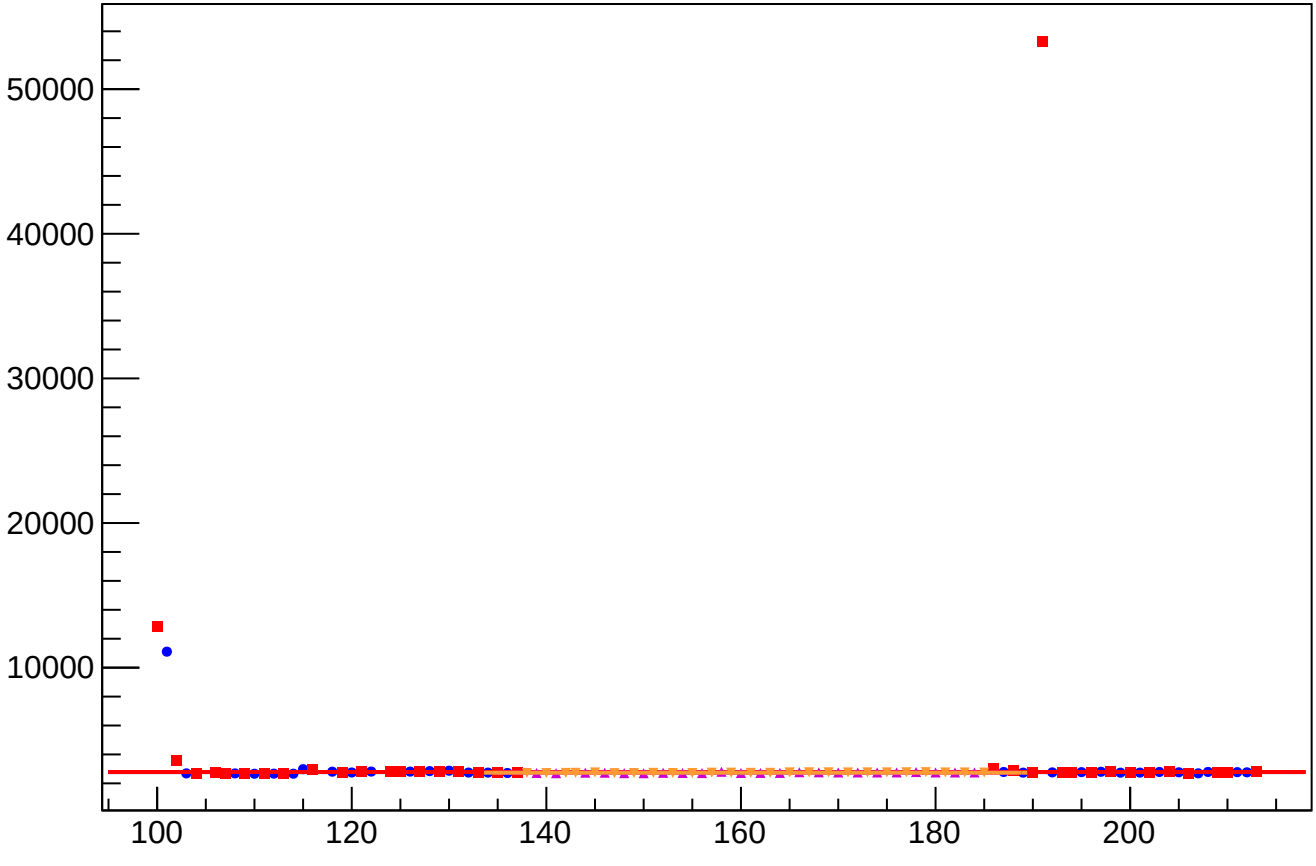
Right: 2103.243+/-466.123 χ^2/NDF: 54.9/62

In: 2202.212+/-463.495 χ^2/NDF:58.1/51

Out: 2396.134+/-448.231 χ^2/NDF:60.0/58

All: 2302.419+/-322.208 χ^2/NDF: 118.2/110

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2778.664+/-0.476 χ^2/NDF: 750516.3/28

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

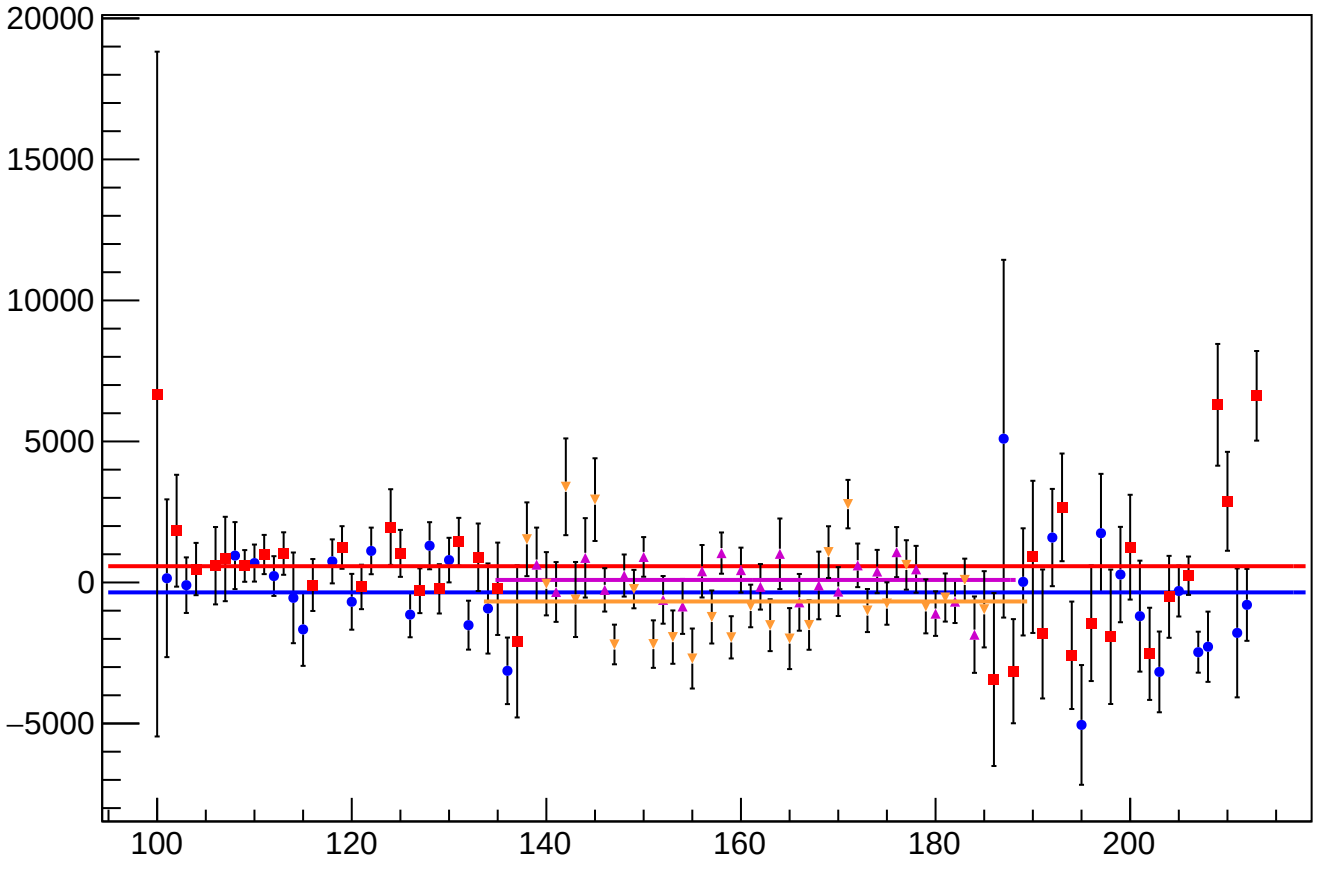
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2782.568+/-0.330 χ^2/NDF: 1232154.2/62

In: 2758.296+/-0.328 χ^2/NDF:757373.5/51

Out: 2760.895+/-0.317 χ^2/NDF:489709.1/58

All: 2759.639+/-0.228 χ^2/NDF: 1247115.1/11



Right In: -351.657+/-199.608 χ^2/NDF: 48.9/28

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

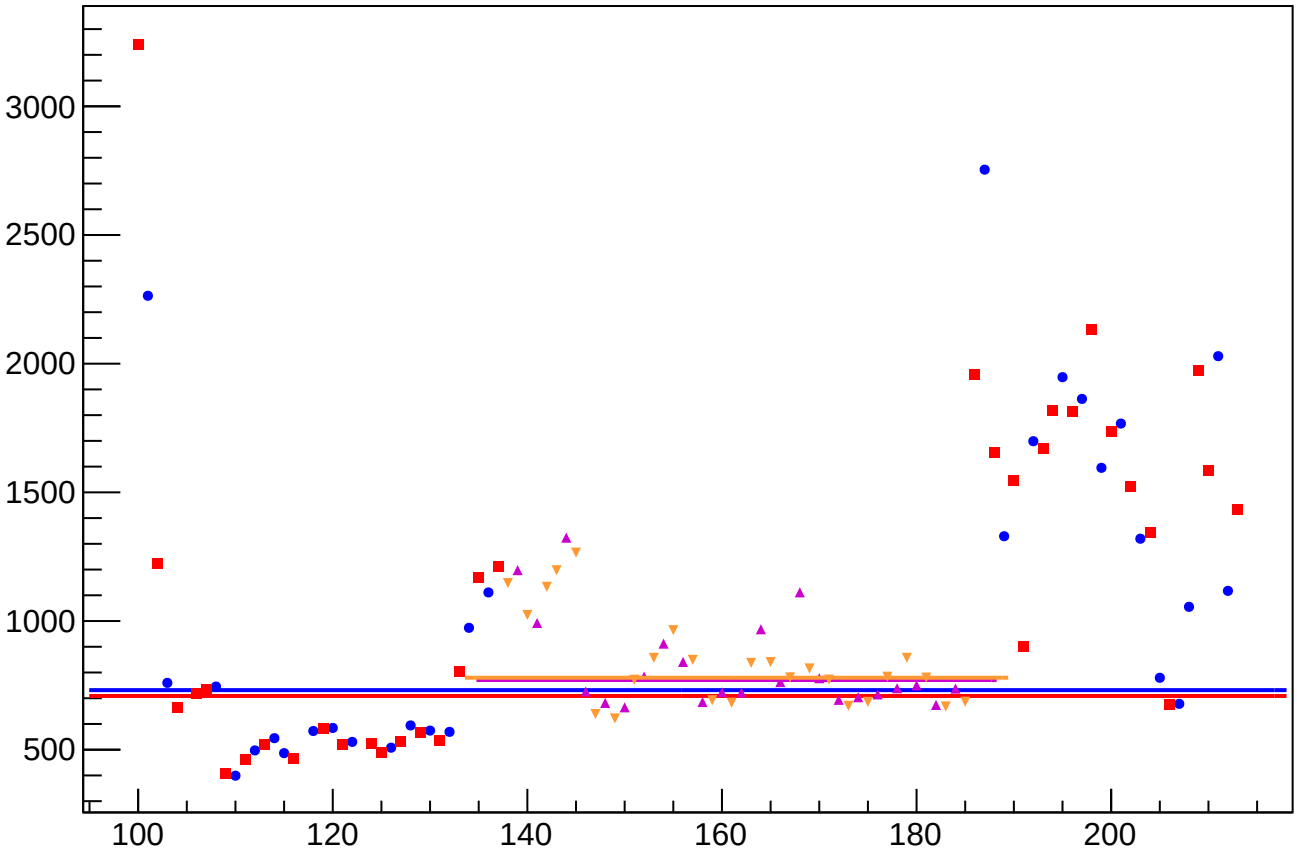
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 132.611+/-138.056 χ^2/NDF: 110.1/62

In: -112.541+/-135.087 χ^2/NDF:66.3/51

Out: -81.775+/-131.515 χ^2/NDF:130.9/58

All: -96.746+/-94.233 χ^2/NDF: 197.2/110



Right In: 731.469+/-0.141 χ^2/NDF: 6950498.0/28

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

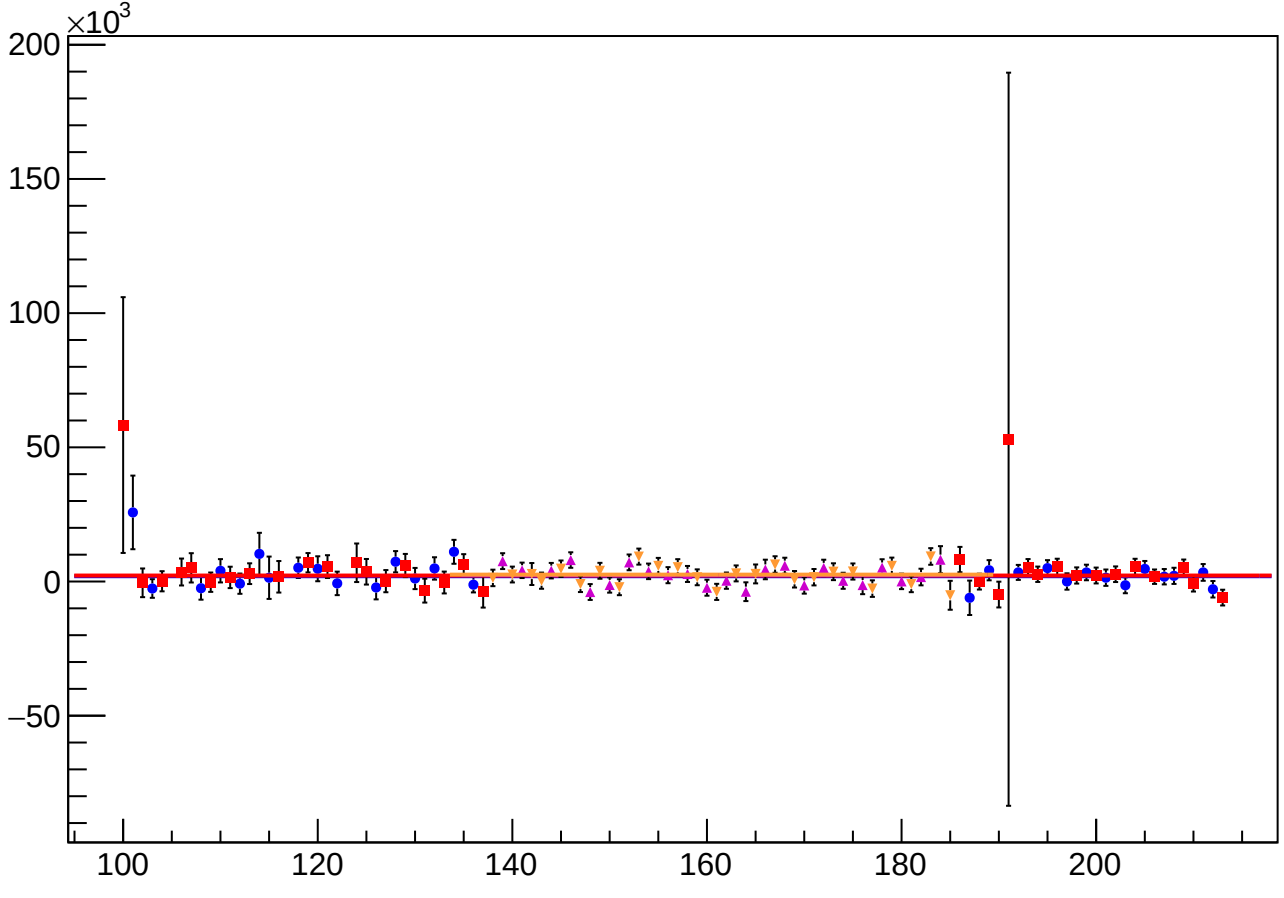
Right: 719.642+/-0.098 χ^2/NDF: 15744329.7/62

In: 752.783+/-0.096 χ^2/NDF:8068928.8/51

Out: 746.143+/-0.093 χ^2/NDF:10169093.9/58

All: 749.374+/-0.067 χ^2/NDF: 18240503.6/11

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1974.137+/-672.459 χ^2/NDF: 26.5/28

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

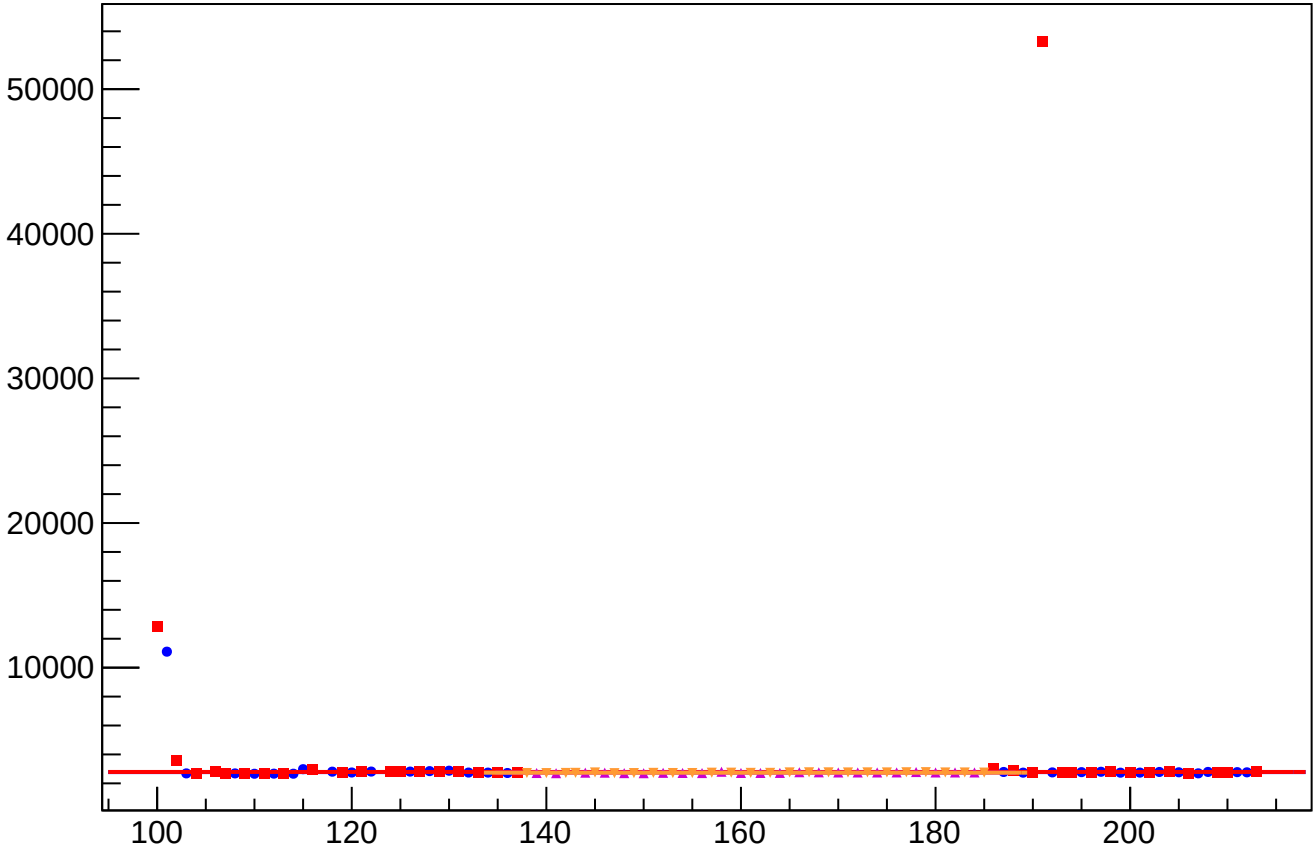
Right: 2103.988+/-466.340 χ^2/NDF: 54.9/62

In: 2202.127+/-463.495 χ^2/NDF:58.1/51

Out: 2397.204+/-448.424 χ^2/NDF:60.0/58

All: 2302.888+/-322.280 χ^2/NDF: 118.2/110

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2778.664+/-0.476 χ^2/NDF: 750515.4/28

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

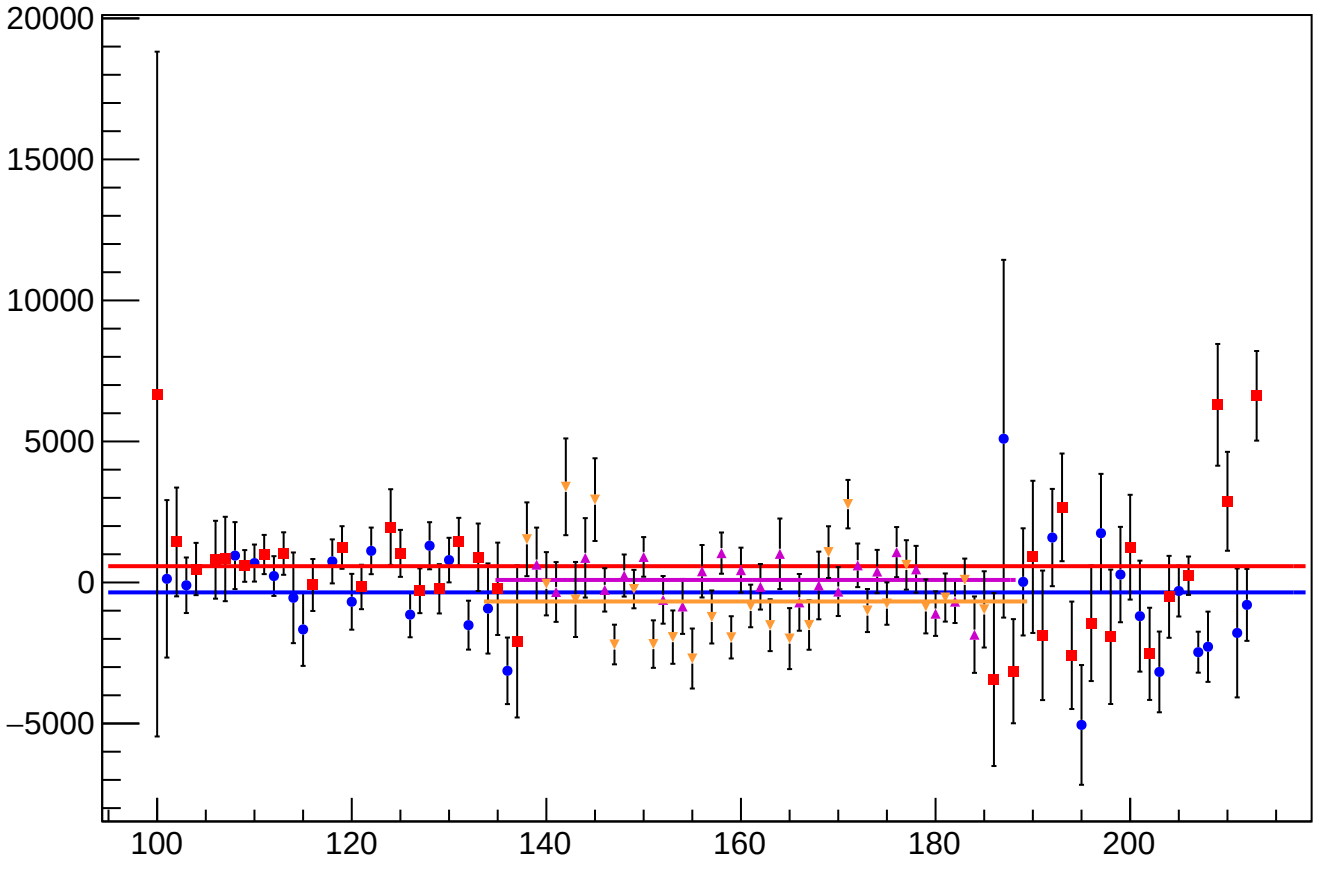
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2783.639+/-0.330 χ^2/NDF: 1232065.2/62

In: 2758.296+/-0.328 χ^2/NDF:757372.6/51

Out: 2761.867+/-0.317 χ^2/NDF:490045.3/58

All: 2760.141+/-0.228 χ^2/NDF: 1247479.2/11



Right In: -351.649+/-199.601 χ^2/NDF: 48.9/28

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

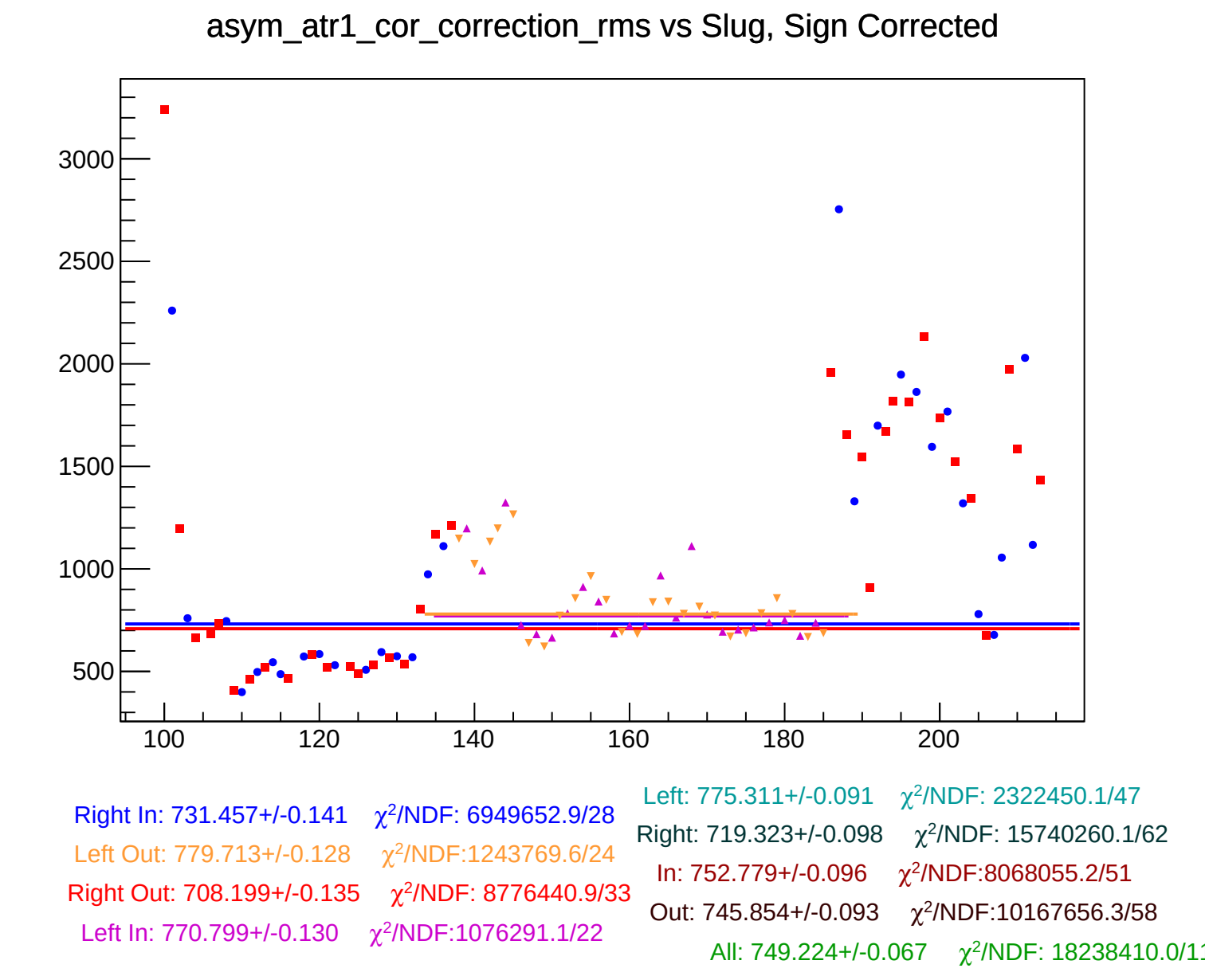
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 133.038+/-138.044 χ^2/NDF: 110.0/62

In: -112.479+/-135.085 χ^2/NDF:66.3/51

Out: -81.304+/-131.507 χ^2/NDF:130.8/58

All: -96.473+/-94.229 χ^2/NDF: 197.1/110


asym_atr1_cor_correction_rms vs Slug, Sign Corrected
3000
2500
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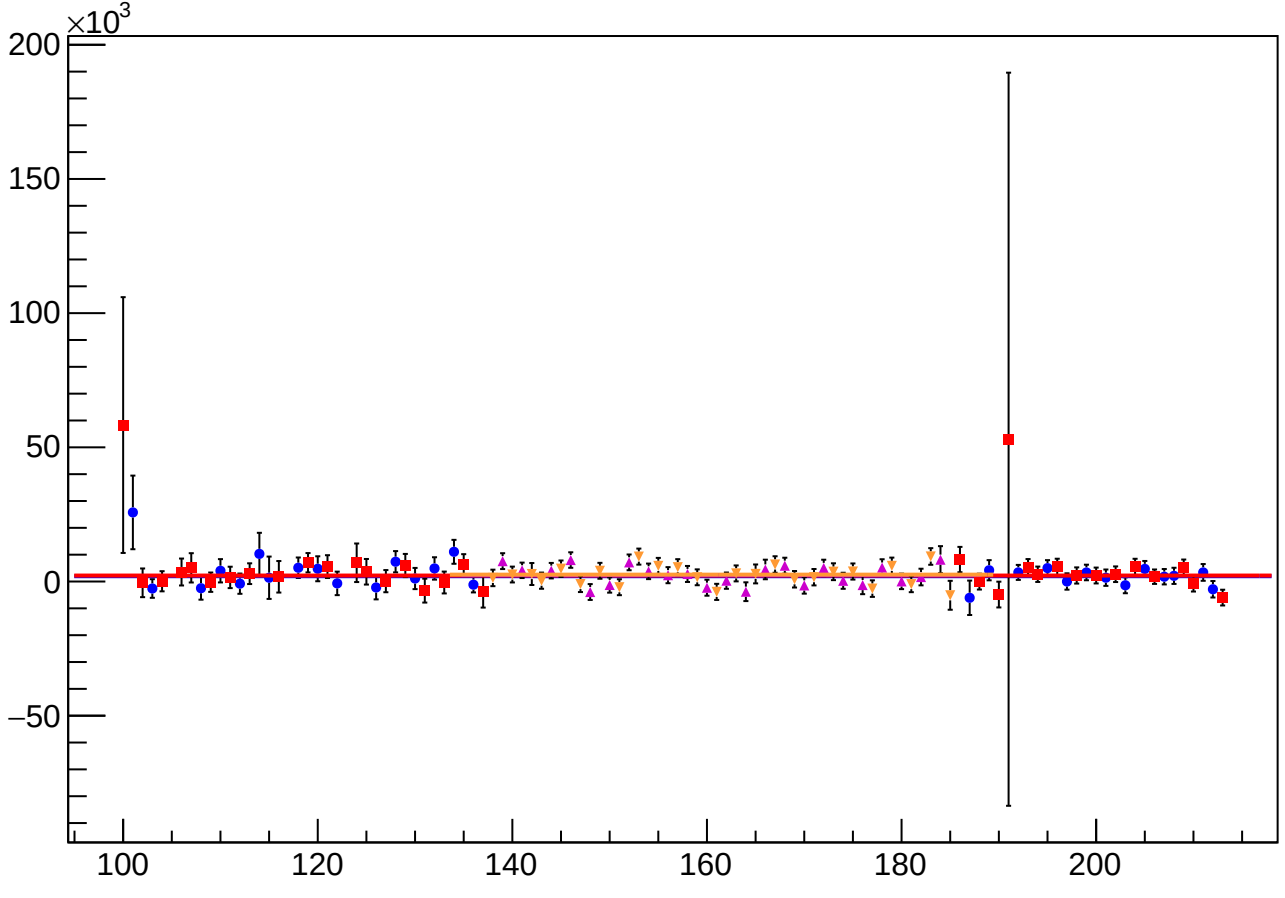
160
180
200
Right In: 731.457+/-0.141 χ²/NDF: 6949652.9/28
Left Out: 779.713+/-0.128 χ²/NDF:1243769.6/24
Right Out: 708.199+/-0.135 χ²/NDF: 8776440.9/33
Left In: 770.799+/-0.130 χ²/NDF:1076291.1/22
Left: 775.311+/-0.091 χ²/NDF: 2322450.1/47
Right: 719.323+/-0.098 χ²/NDF: 15740260.1/62
In: 752.779+/-0.096 χ²/NDF:8068055.2/51
Out: 745.854+/-0.093 χ²/NDF:10167656.3/58
All: 749.224+/-0.067 χ²/NDF: 18238410.0/11

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1974.137+/-672.459 χ^2/NDF: 26.5/28

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

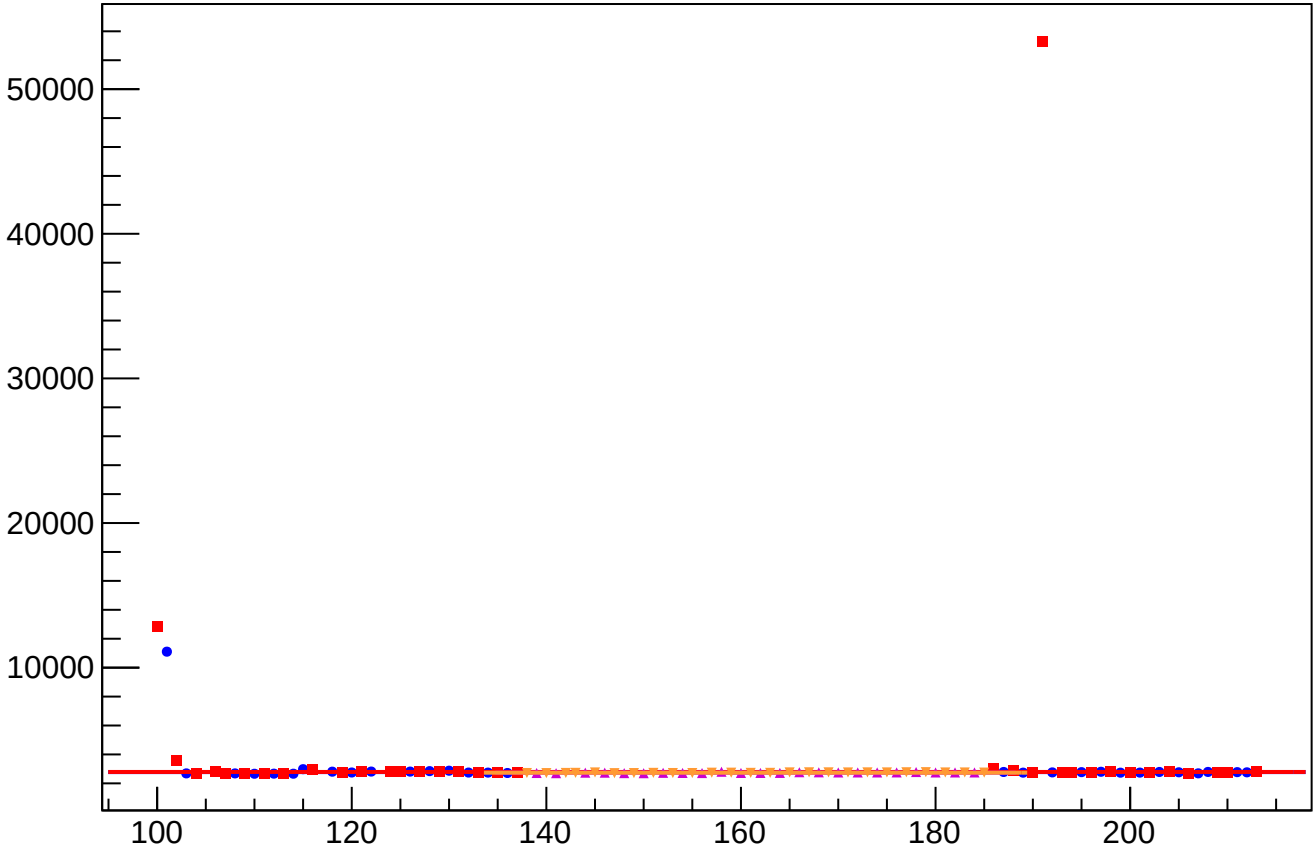
Right: 2103.988+/-466.340 χ^2/NDF: 54.9/62

In: 2202.127+/-463.495 χ^2/NDF:58.1/51

Out: 2397.204+/-448.424 χ^2/NDF:60.0/58

All: 2302.888+/-322.280 χ^2/NDF: 118.2/110

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2778.664+/-0.476 χ^2/NDF: 750515.4/28

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

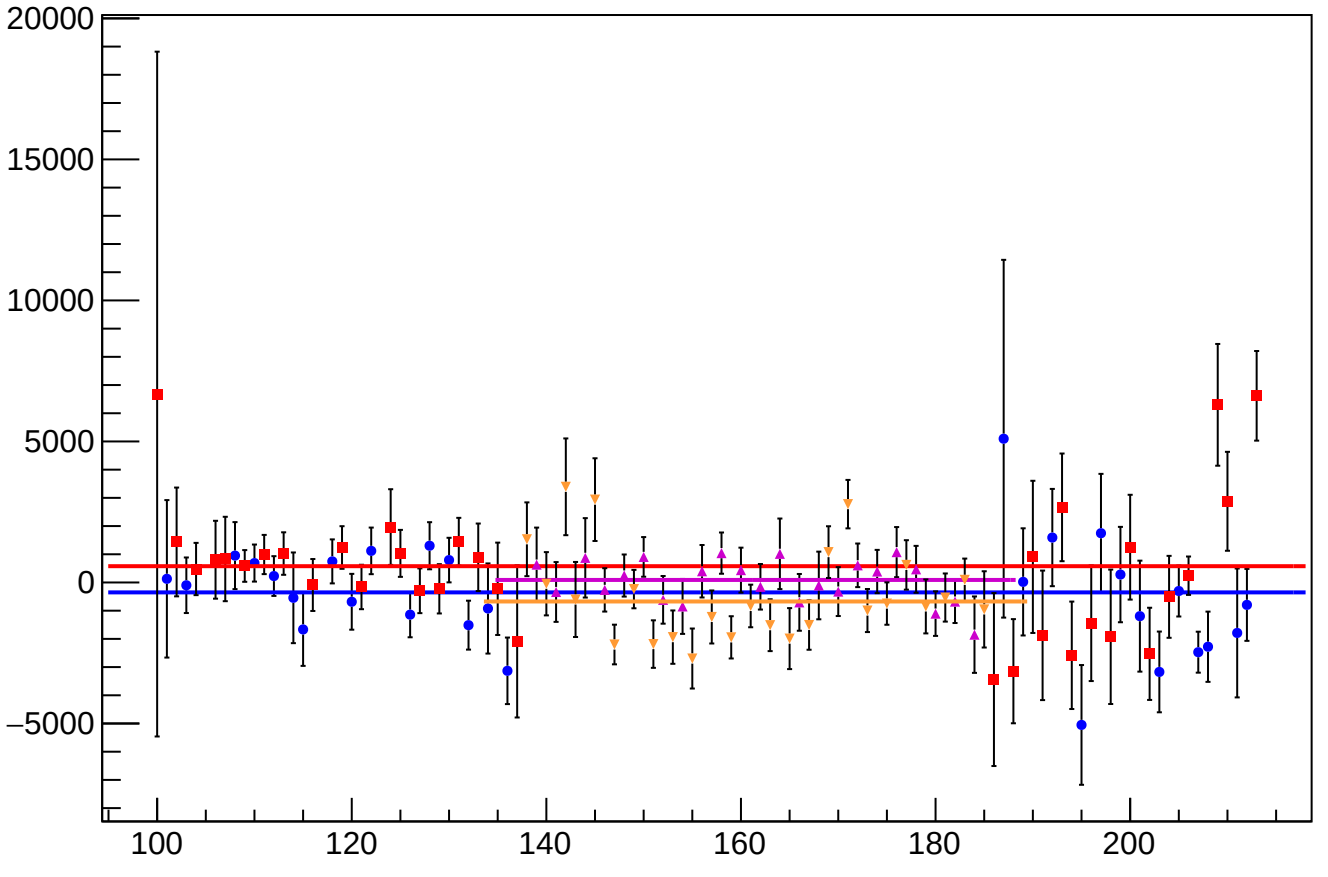
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2783.639+/-0.330 χ^2/NDF: 1232065.2/62

In: 2758.296+/-0.328 χ^2/NDF:757372.6/51

Out: 2761.867+/-0.317 χ^2/NDF:490045.3/58

All: 2760.141+/-0.228 χ^2/NDF: 1247479.2/11



Right In: -351.649+/-199.601 χ^2/NDF: 48.9/28

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

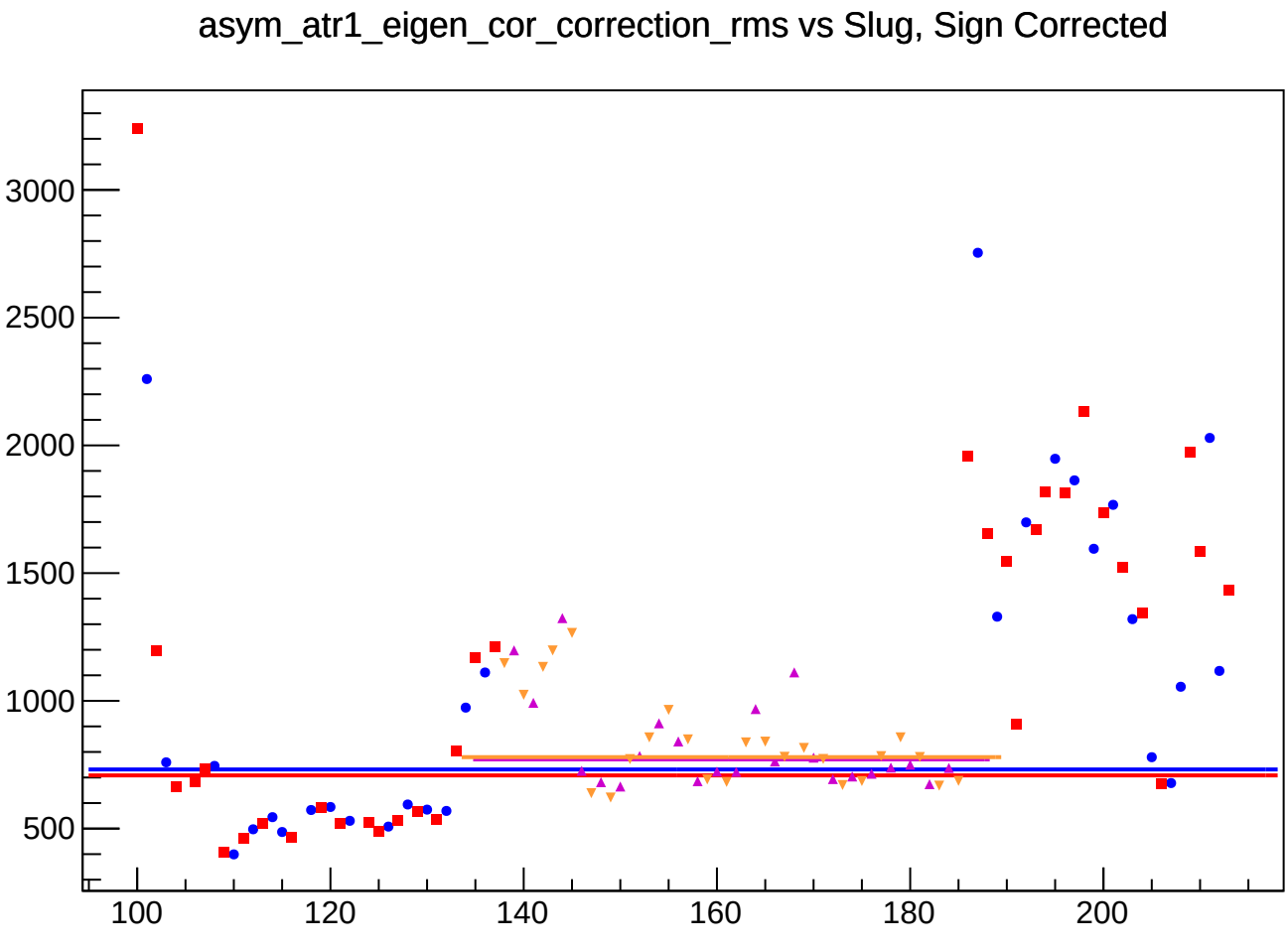
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 133.038+/-138.044 χ^2/NDF: 110.0/62

In: -112.479+/-135.085 χ^2/NDF:66.3/51

Out: -81.304+/-131.507 χ^2/NDF:130.8/58

All: -96.473+/-94.229 χ^2/NDF: 197.1/110


asym_atr1_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
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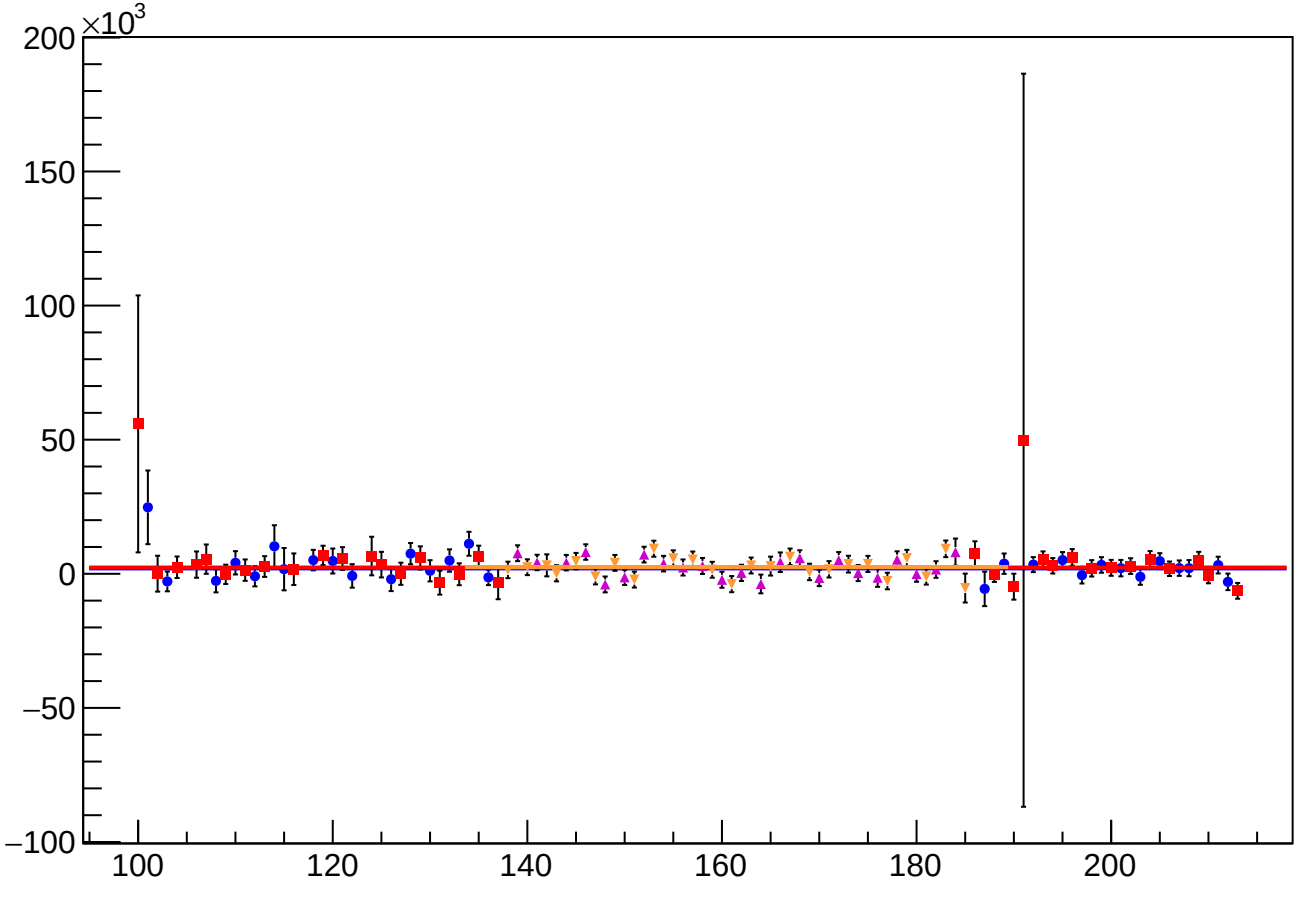
Right In: 731.457+/-0.141 χ²/NDF: 6949652.9/28
Left Out: 779.713+/-0.128 χ²/NDF:1243769.6/24
Right Out: 708.199+/-0.135 χ²/NDF: 8776440.9/33
Left In: 770.799+/-0.130 χ²/NDF:1076291.1/22
Left: 775.311+/-0.091 χ²/NDF: 2322450.1/47
Right: 719.323+/-0.098 χ²/NDF: 15740260.1/62
In: 752.779+/-0.096 χ²/NDF:8068055.2/51
Out: 745.854+/-0.093 χ²/NDF:10167656.3/58
All: 749.224+/-0.067 χ²/NDF: 18238410.0/11

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2011.289+/-676.084 χ^2/NDF: 26.4/28

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

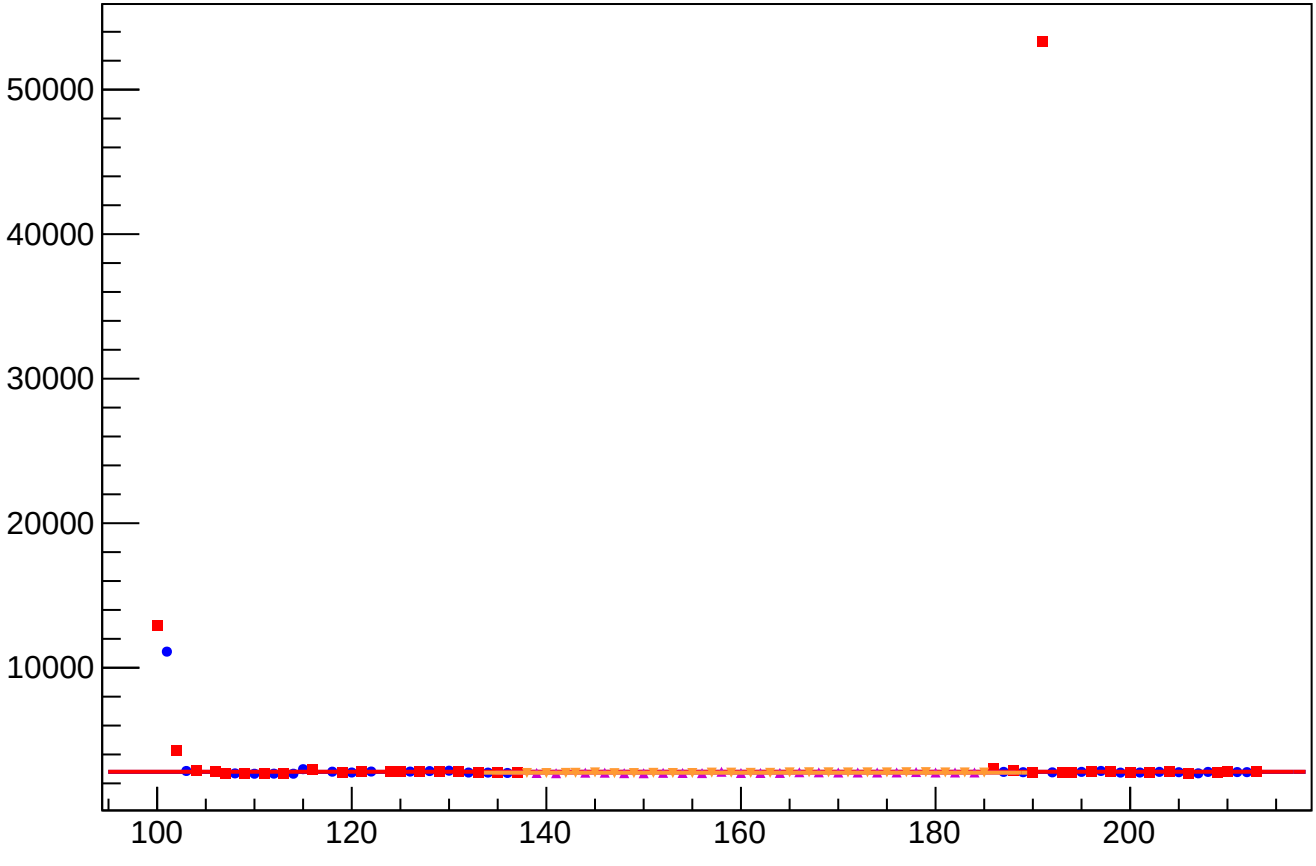
Right: 2180.910+/-469.403 χ^2/NDF: 54.6/62

In: 2219.885+/-464.814 χ^2/NDF:58.4/51

Out: 2446.761+/-450.218 χ^2/NDF:60.0/58

All: 2336.941+/-323.389 χ^2/NDF: 118.6/110

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2793.489+/-0.478 χ^2/NDF: 750173.0/28

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

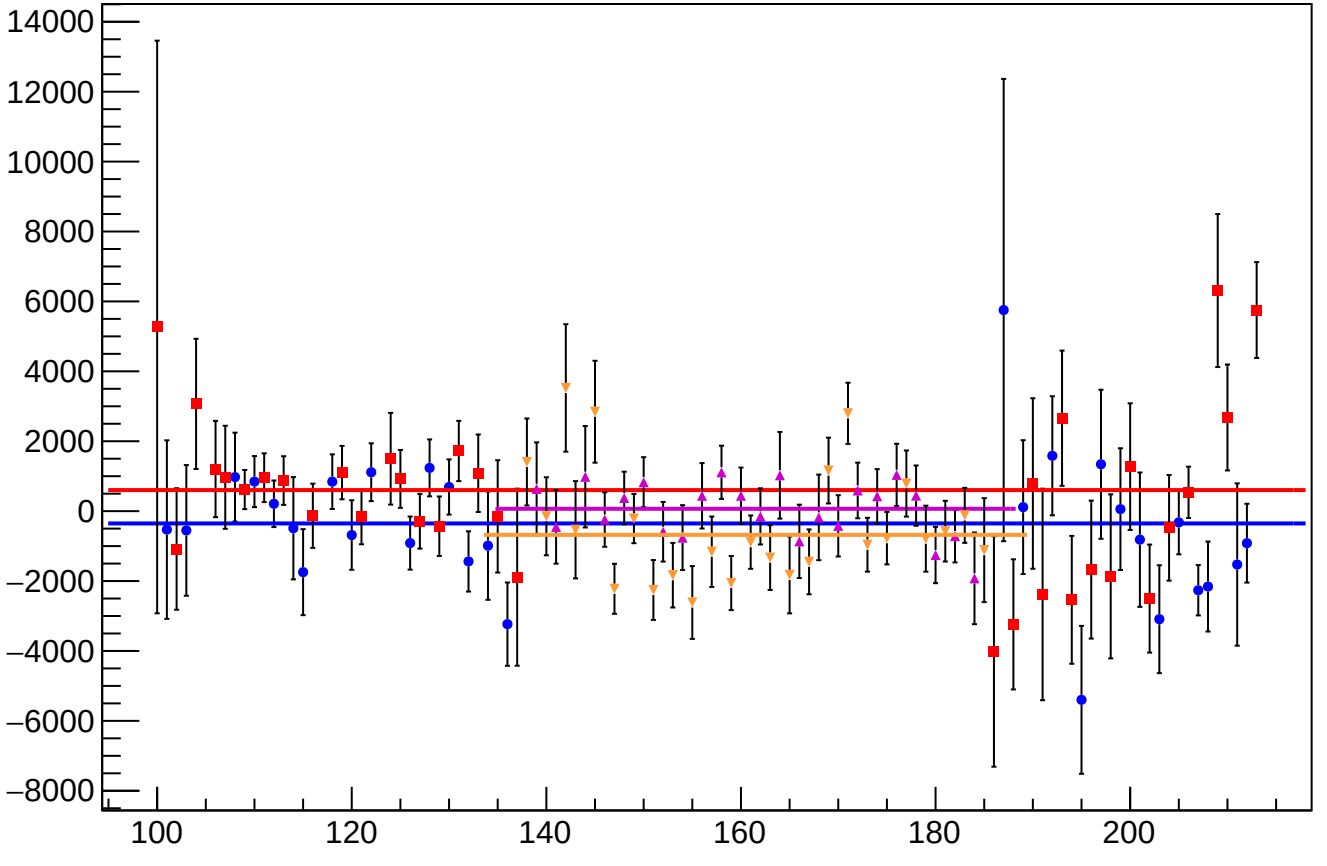
Right: 2799.080+/-0.332 χ^2/NDF: 1285383.4/62

In: 2766.016+/-0.329 χ^2/NDF:759805.3/51

Out: 2770.265+/-0.318 χ^2/NDF:547660.9/58

All: 2768.208+/-0.229 χ^2/NDF: 1307552.4/11

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: -352.037+/-201.839 χ^2/NDF: 46.4/28

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

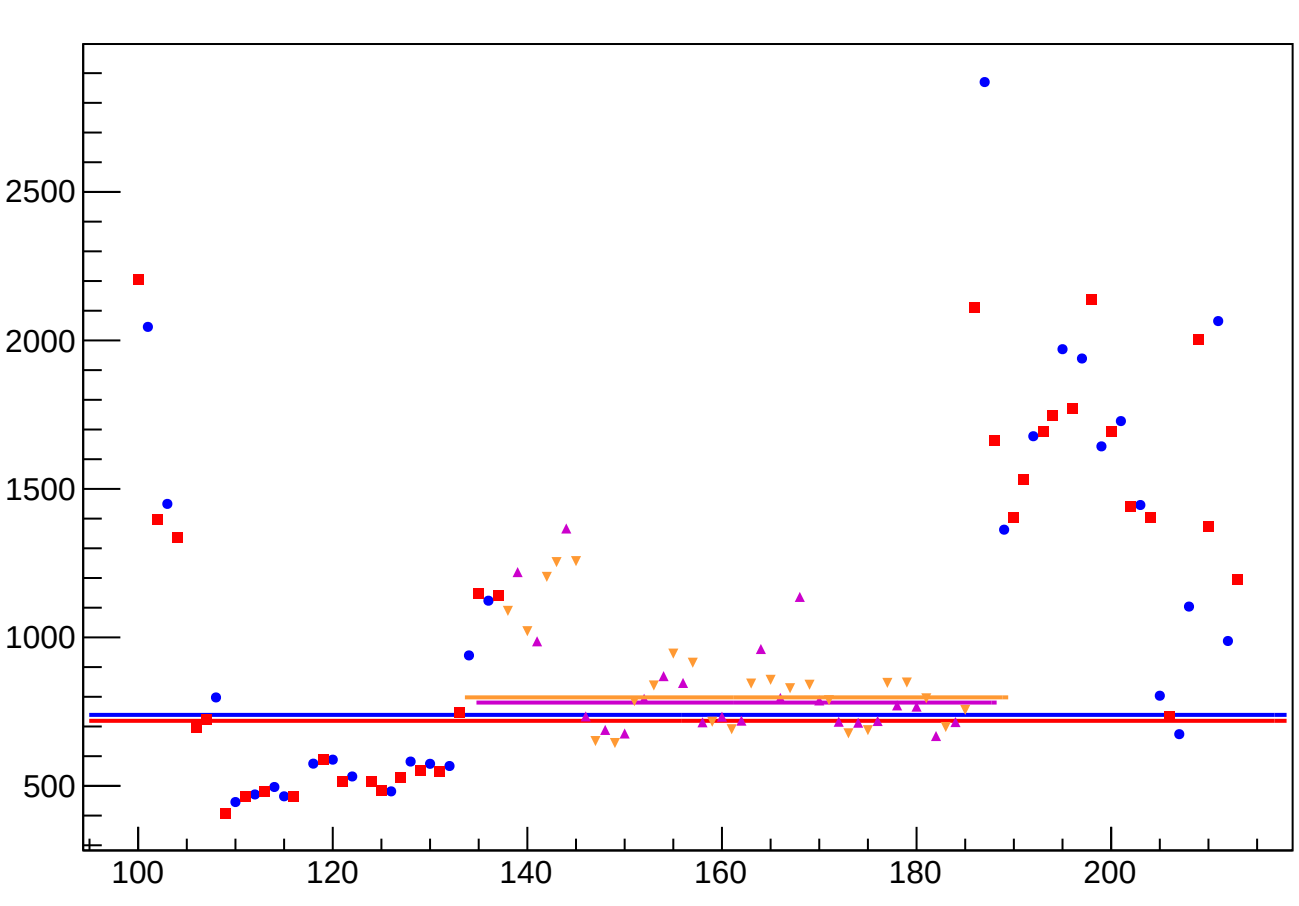
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 148.693+/-139.188 χ^2/NDF: 111.5/62

In: -124.717+/-136.554 χ^2/NDF:64.6/51

Out: -62.168+/-133.288 χ^2/NDF:132.6/58

All: -92.686+/-95.383 χ^2/NDF: 197.3/110


asym_atr1_dit_correction_rms vs Slug, Sign Corrected
2500
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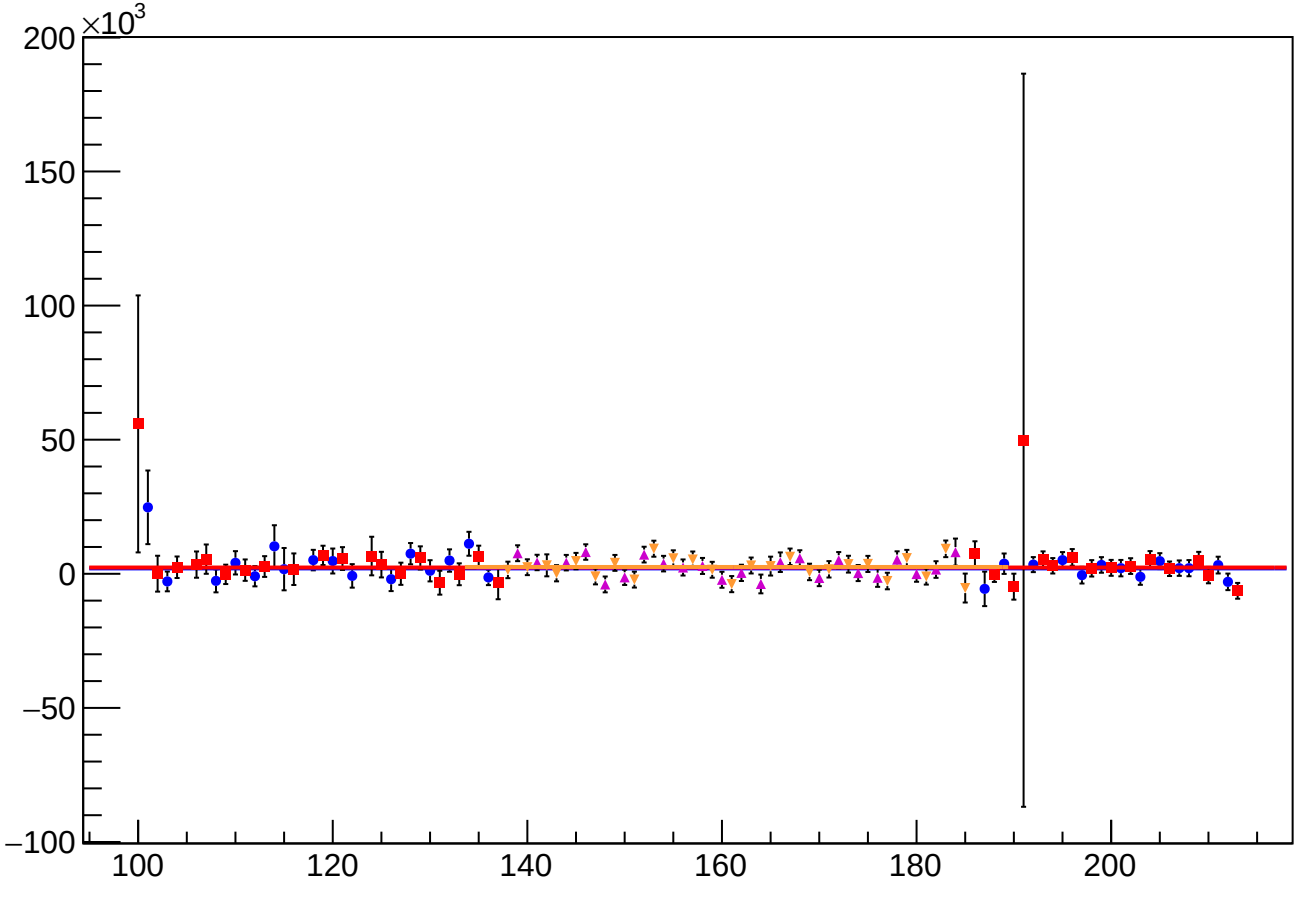
180
200
Right In: 739.091+/-0.143 χ²/NDF: 7354079.6/28
Left Out: 798.091+/-0.131 χ²/NDF:1168352.1/24
Right Out: 719.065+/-0.136 χ²/NDF: 9078888.0/33
Left In: 780.525+/-0.131 χ²/NDF:1064827.5/22
Left: 789.329+/-0.093 χ²/NDF: 2242174.0/47
Right: 728.588+/-0.098 χ²/NDF: 16443292.7/62
In: 761.560+/-0.097 χ²/NDF:8464612.6/51
Out: 760.085+/-0.094 χ²/NDF:10422747.1/58
All: 760.805+/-0.067 χ²/NDF: 18887479.2/1

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2011.289+/-676.084 χ^2/NDF: 26.4/28

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

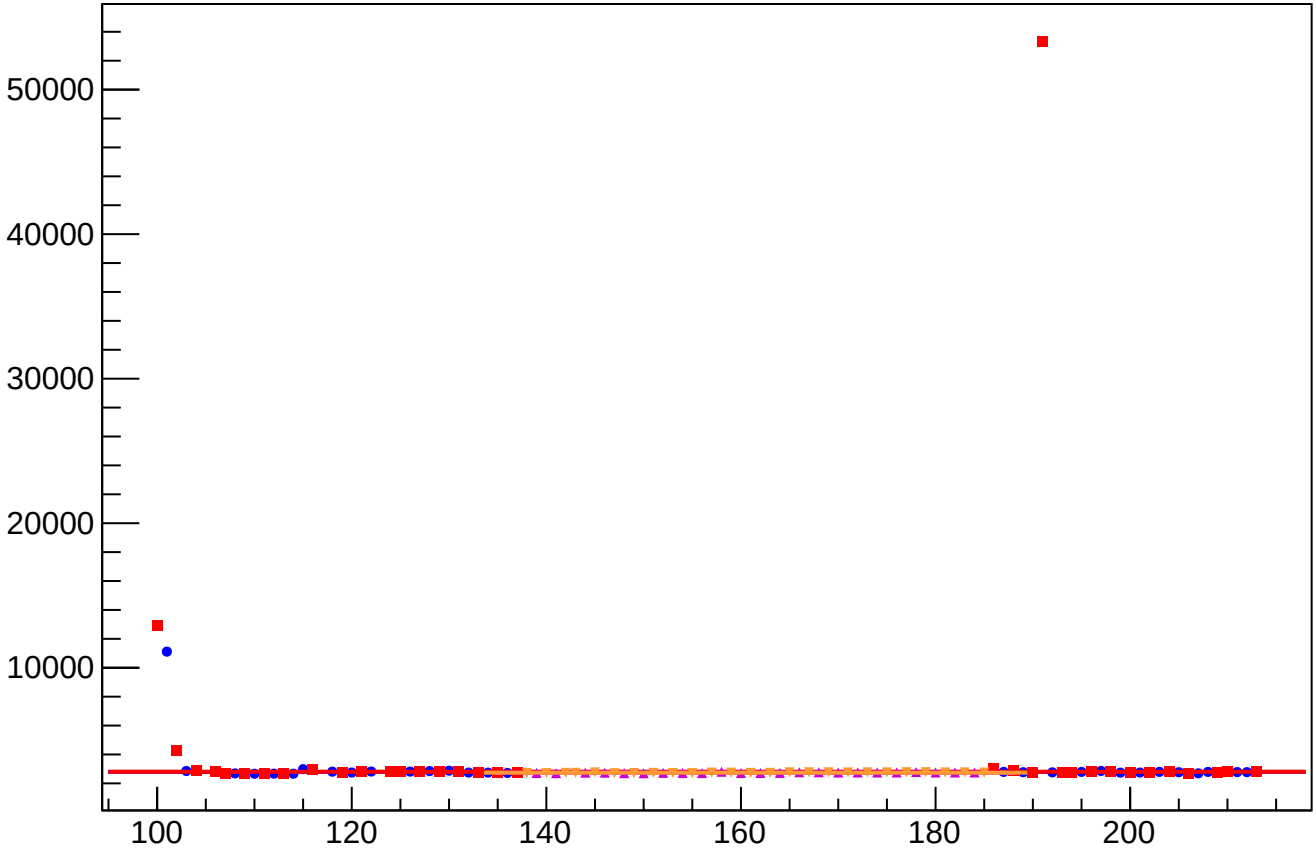
Right: 2180.908+/-469.403 χ^2/NDF: 54.6/62

In: 2219.885+/-464.814 χ^2/NDF:58.4/51

Out: 2446.760+/-450.218 χ^2/NDF:60.0/58

All: 2336.940+/-323.389 χ^2/NDF: 118.6/110

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2793.489+/-0.478 χ^2/NDF: 750172.9/28

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

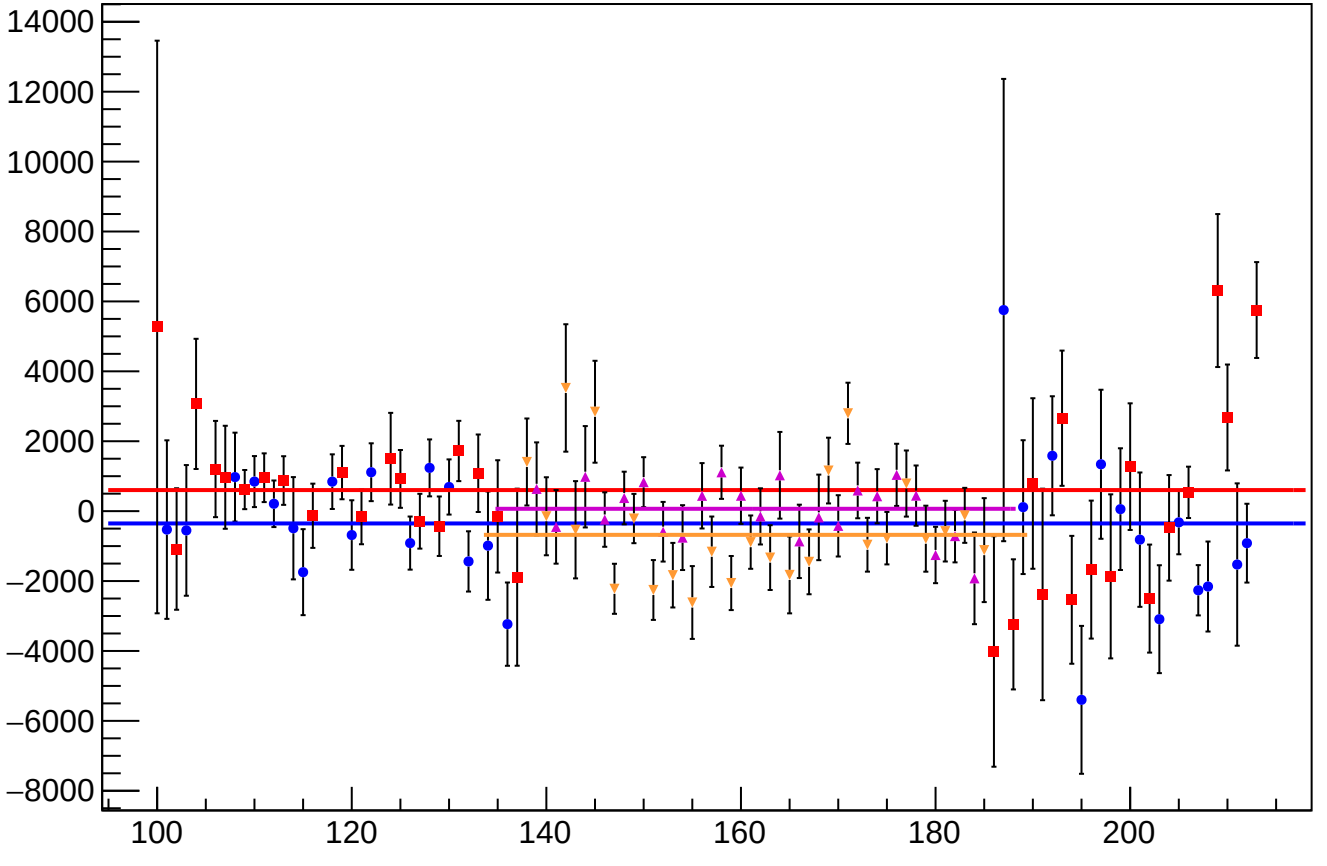
Right: 2799.080+/-0.332 χ^2/NDF: 1285383.2/62

In: 2766.016+/-0.329 χ^2/NDF:759805.2/51

Out: 2770.265+/-0.318 χ^2/NDF:547660.7/58

All: 2768.208+/-0.229 χ^2/NDF: 1307552.1/11

asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -352.037+/-201.839 χ^2/NDF: 46.4/28

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

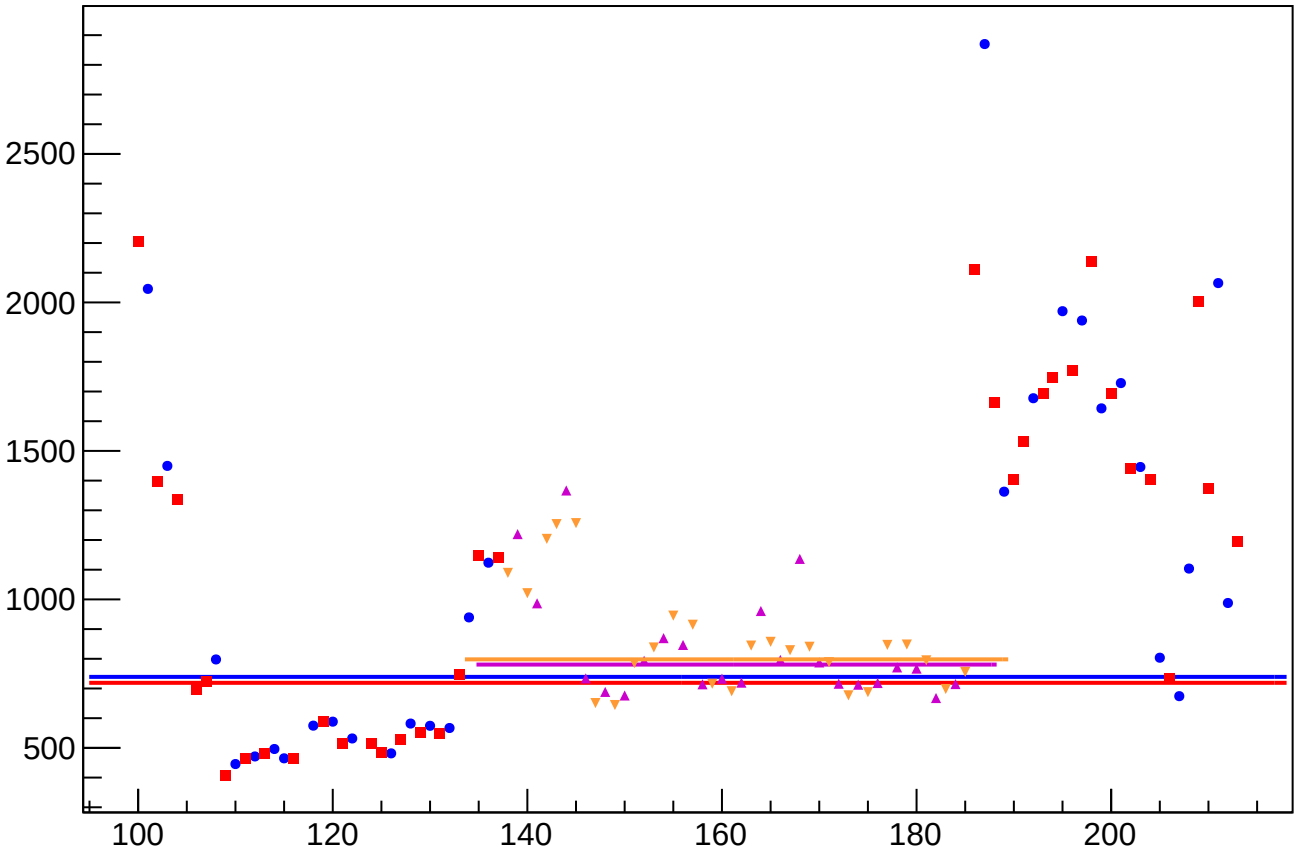
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 148.693+/-139.188 χ^2/NDF: 111.5/62

In: -124.717+/-136.554 χ^2/NDF:64.6/51

Out: -62.169+/-133.288 χ^2/NDF:132.6/58

All: -92.686+/-95.383 χ^2/NDF: 197.3/110



Right In: 739.091+/-0.143 χ^2/NDF: 7354076.6/28

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

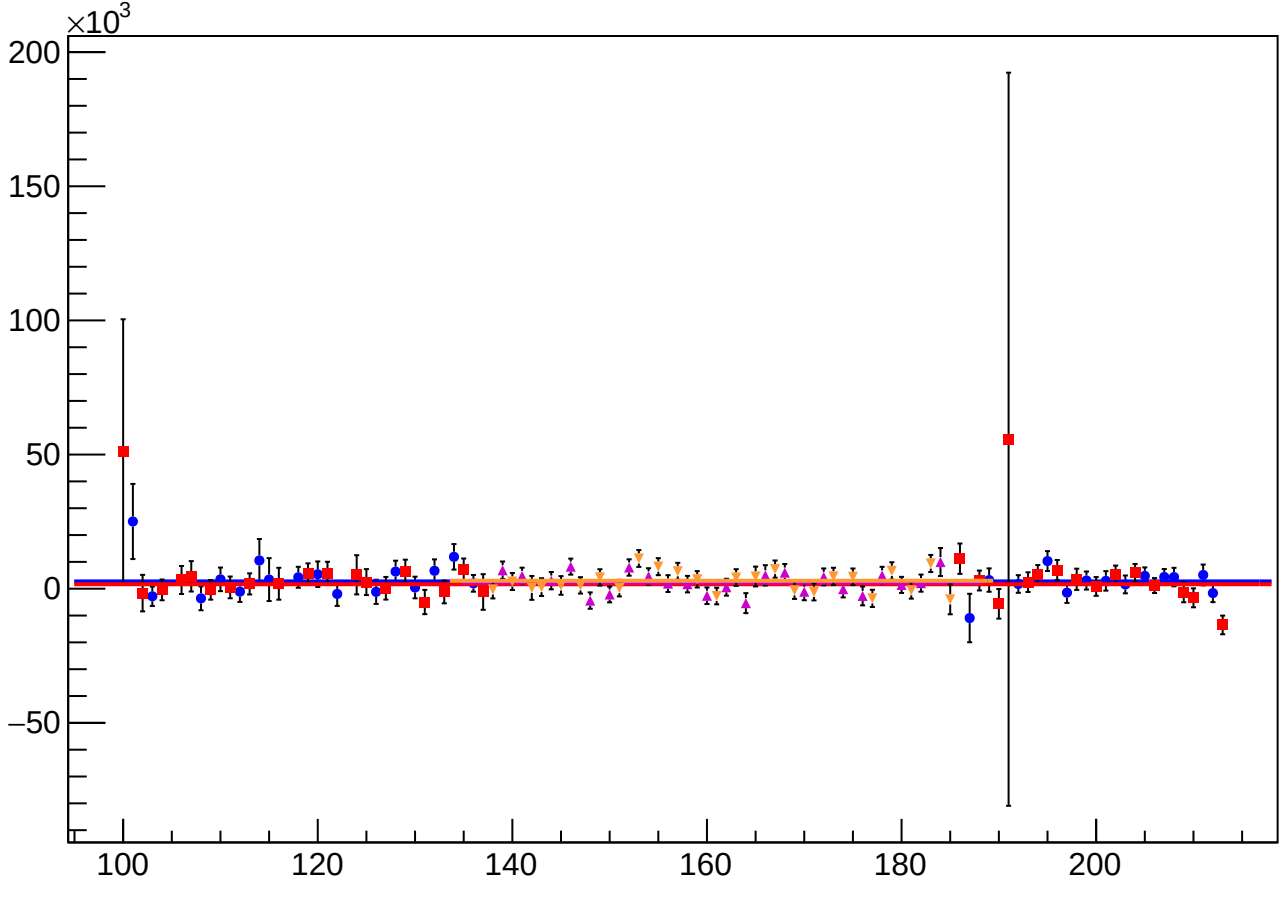
Right: 728.589+/-0.098 χ^2/NDF: 16443297.3/62

In: 761.560+/-0.097 χ^2/NDF:8464611.2/51

Out: 760.085+/-0.094 χ^2/NDF:10422755.8/58

All: 760.805+/-0.067 χ^2/NDF: 18887486.5/1

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2717.663+/-740.889 χ^2/NDF: 27.8/28

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

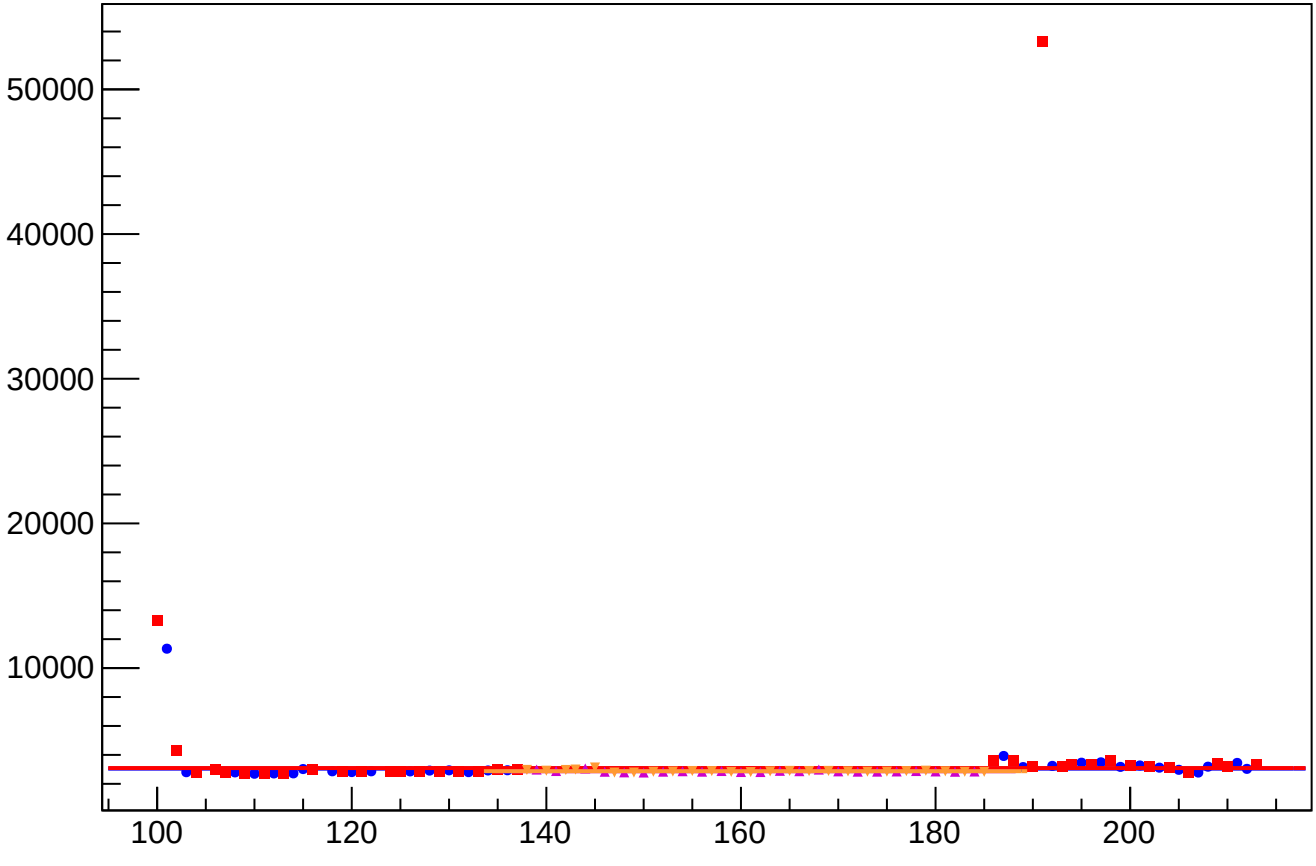
Right: 2174.448+/-517.122 χ^2/NDF: 72.0/62

In: 2453.630+/-497.072 χ^2/NDF:61.9/51

Out: 2379.314+/-484.454 χ^2/NDF:80.7/58

All: 2415.517+/-346.936 χ^2/NDF: 142.6/110

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3051.298+/-0.524 χ^2/NDF: 908784.9/28

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

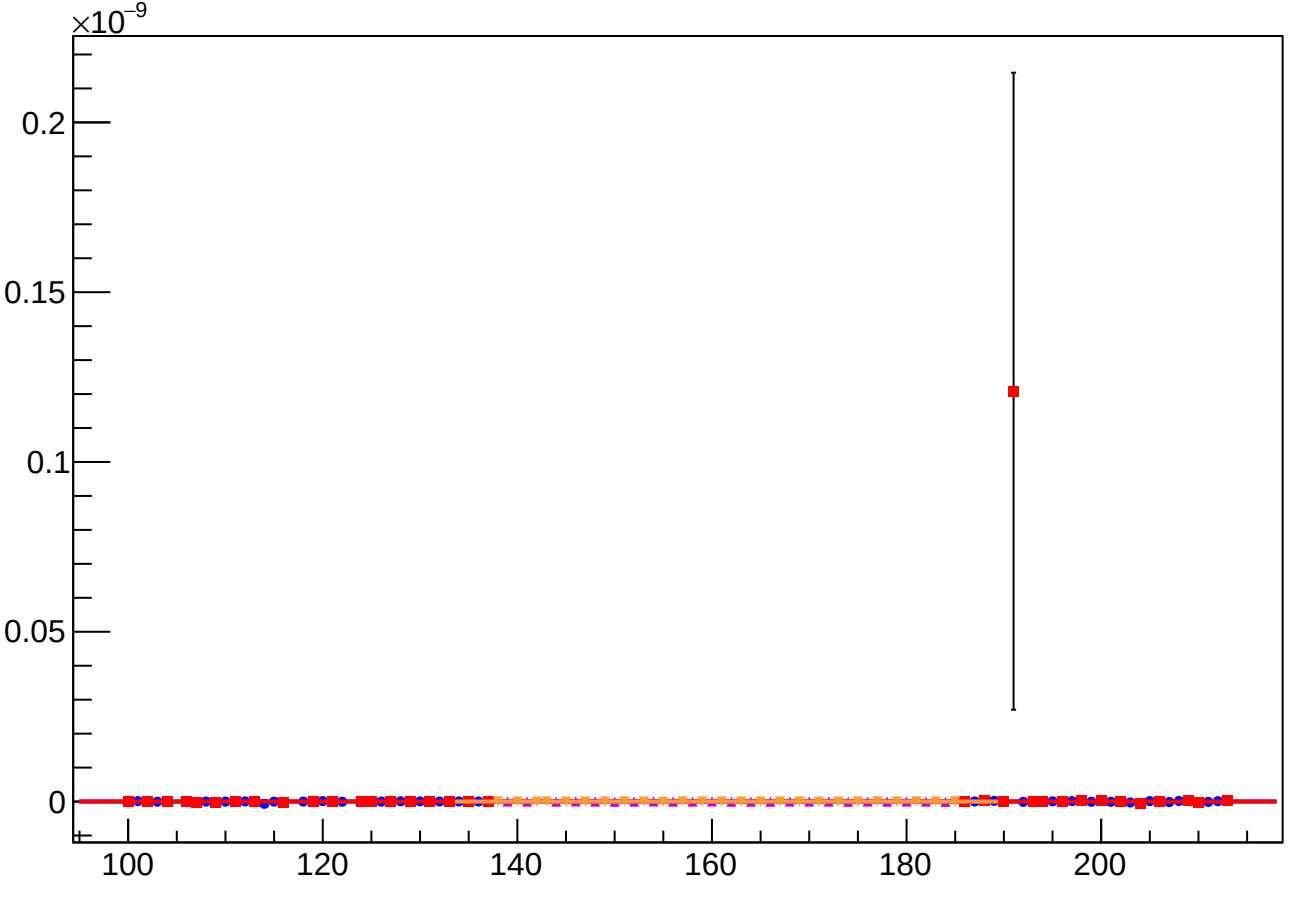
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3071.263+/-0.366 χ^2/NDF: 1673507.0/62

In: 2951.690+/-0.351 χ^2/NDF:992213.9/51

Out: 2971.835+/-0.343 χ^2/NDF:881445.4/58

All: 2962.021+/-0.245 χ^2/NDF: 1875343.8/11



Right In: 0.000+/-0.000 χ^2/NDF: 24.5/28

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

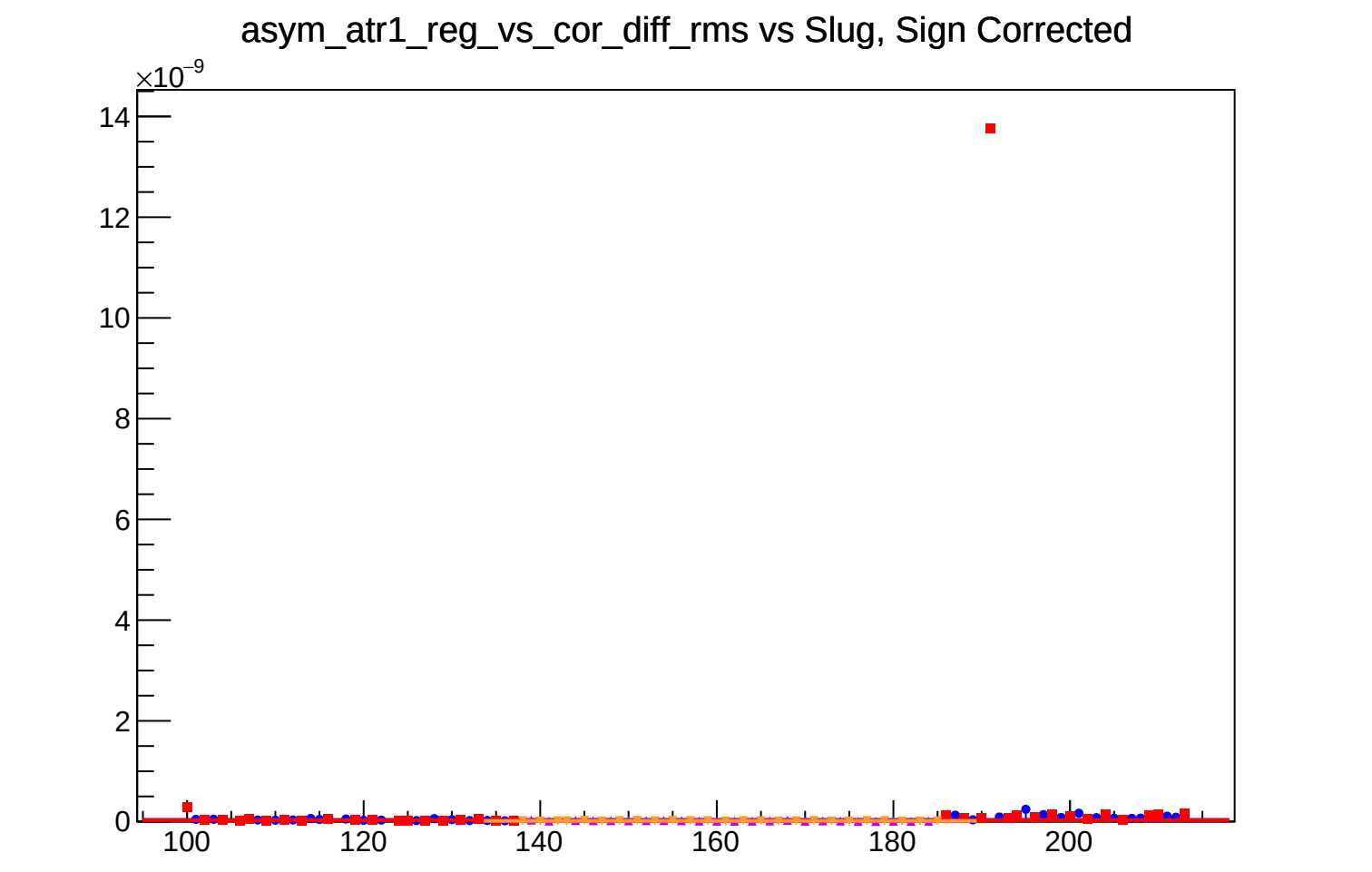
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

Right: 0.000+/-0.000 χ^2/NDF: 67.7/62

In: -0.000+/-0.000 χ^2/NDF:54.8/51

Out: 0.000+/-0.000 χ^2/NDF:58.2/58

All: -0.000+/-0.000 χ^2/NDF: 113.7/110



Right In: 0.000+/-0.000 χ^2/NDF: 4592476.3/28

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

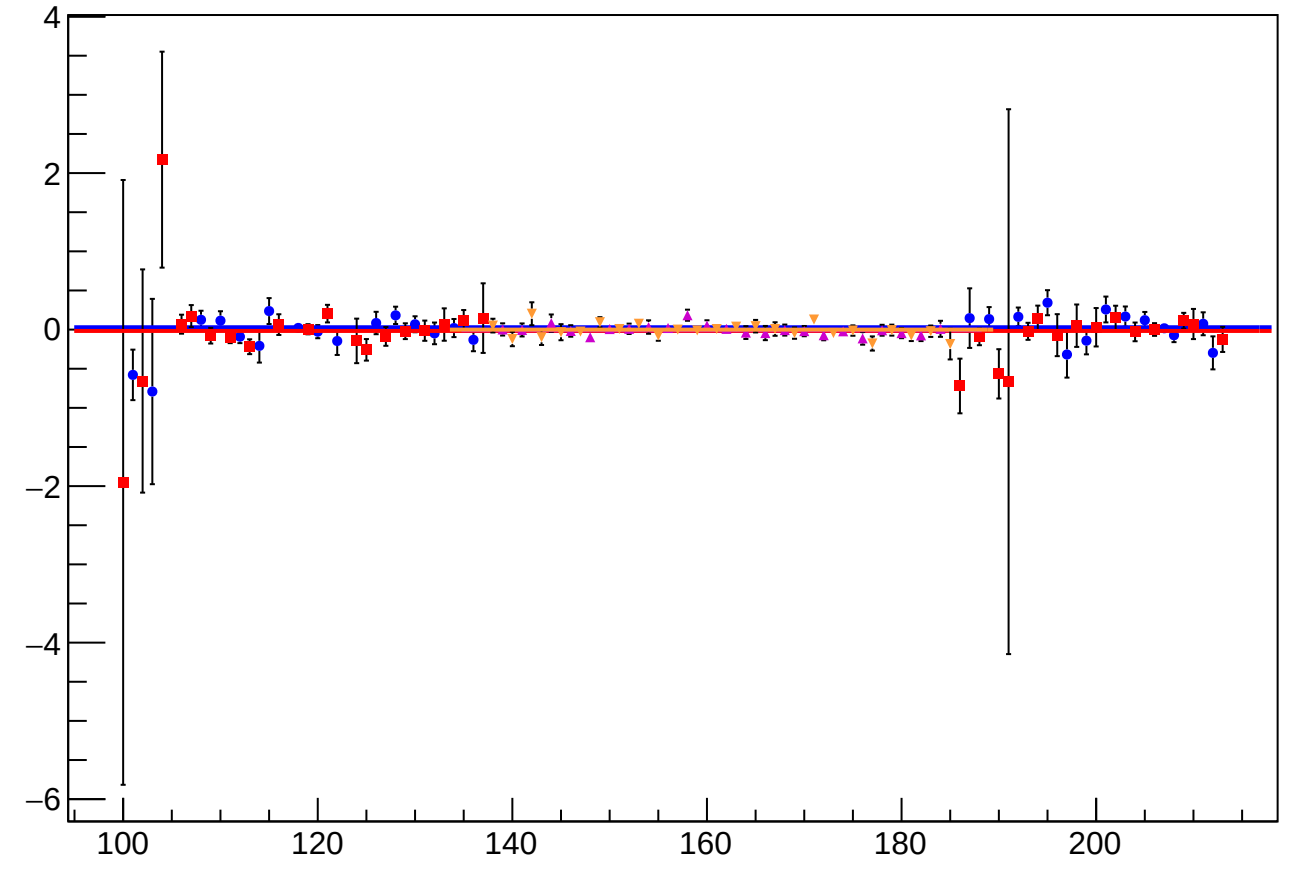
Left: 0.000+/-0.000 χ^2/NDF: 4622592.8/47

Right: 0.000+/-0.000 χ^2/NDF: 9719228.5/62

In: 0.000+/-0.000 χ^2/NDF:11386084.9/51

Out: 0.000+/-0.000 χ^2/NDF:8417366.4/58

All: 0.000+/-0.000 χ^2/NDF: 20056573.5/110



Right In: 0.030+/-0.021 χ^2/NDF: 31.0/28

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

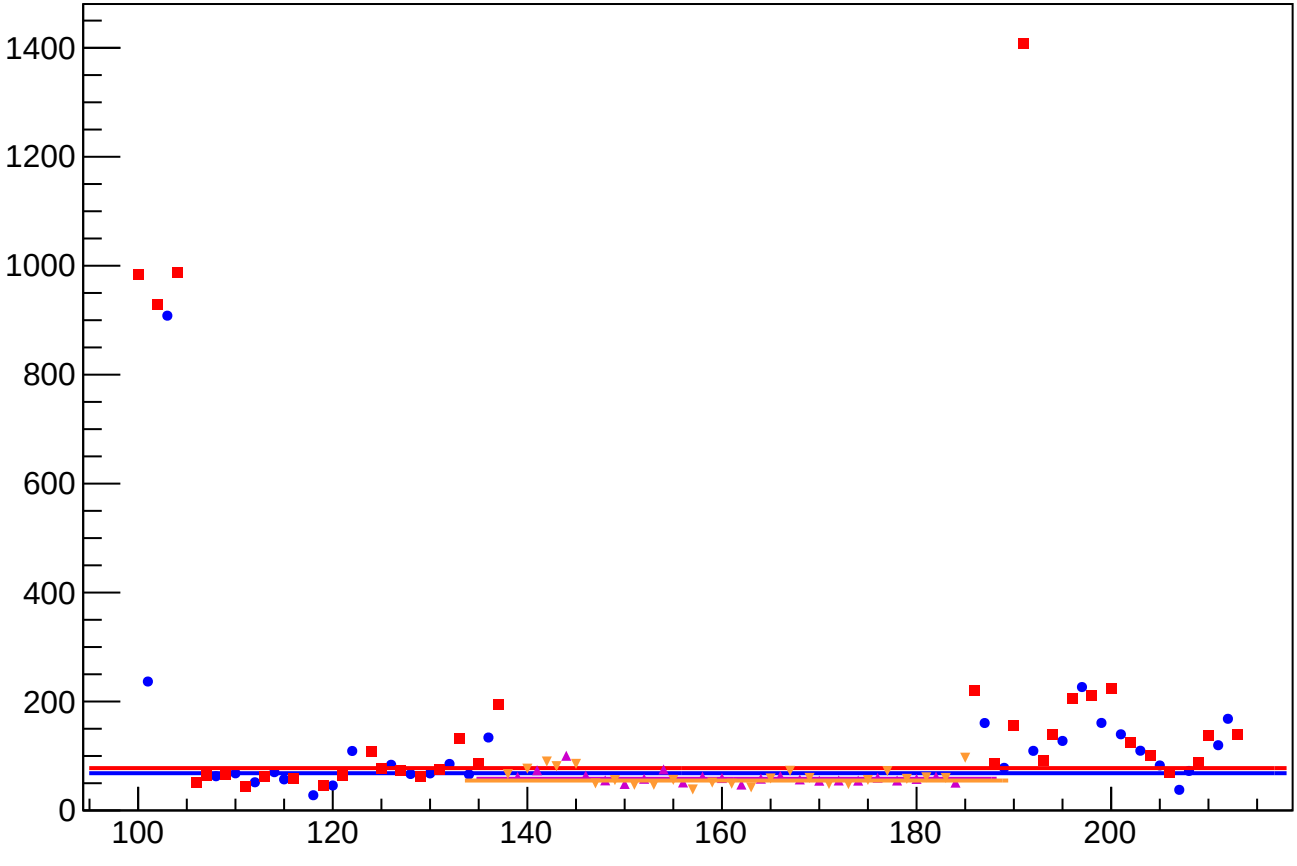
Right: 0.008+/-0.015 χ^2/NDF: 66.5/62

In: 0.004+/-0.012 χ^2/NDF:48.7/51

Out: -0.005+/-0.012 χ^2/NDF:56.2/58

All: -0.001+/-0.009 χ^2/NDF: 105.2/110

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.383+/-0.015 χ^2/NDF: 7200262.7/28

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

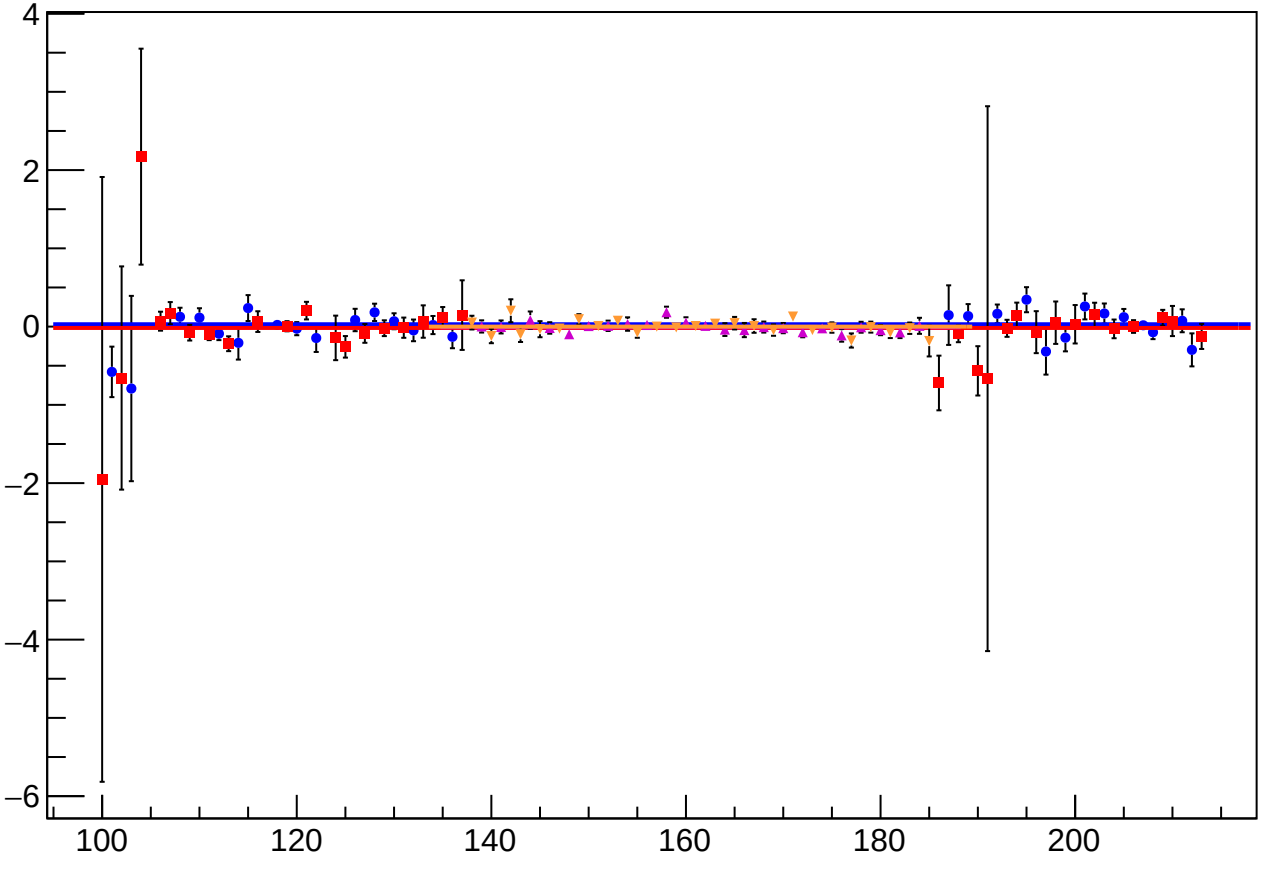
Right: 72.809+/-0.011 χ^2/NDF: 14152296.9/62

In: 61.477+/-0.009 χ^2/NDF:8168573.4/51

Out: 61.356+/-0.008 χ^2/NDF:9542741.2/58

All: 61.415+/-0.006 χ^2/NDF: 17711416.4/110

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.021 χ^2/NDF: 31.0/28

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

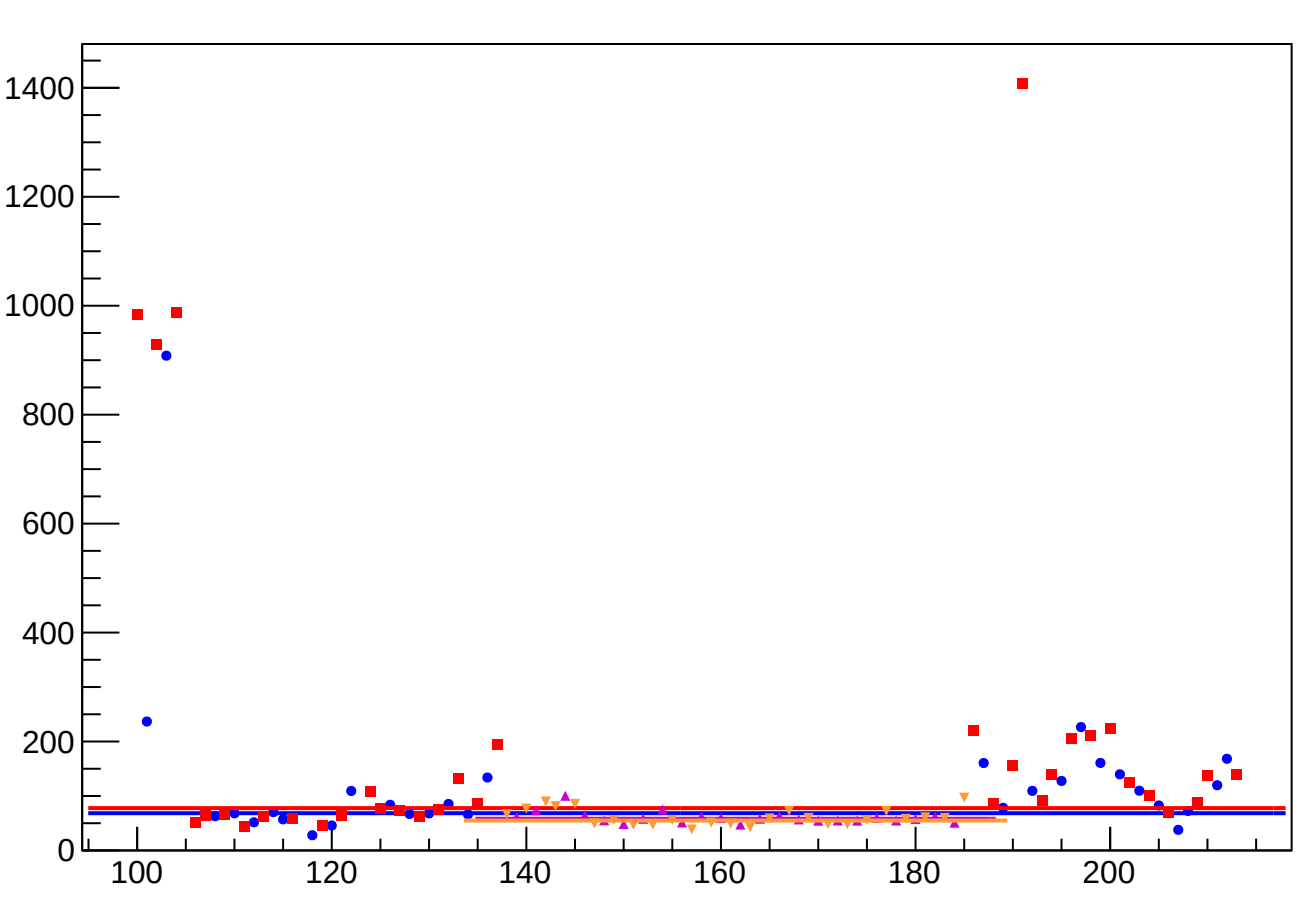
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.008+/-0.015 χ^2/NDF: 66.5/62

In: 0.004+/-0.012 χ^2/NDF:48.7/51

Out: -0.005+/-0.012 χ^2/NDF:56.2/58

All: -0.001+/-0.009 χ^2/NDF: 105.2/110



Right In: 68.383+/-0.015 χ^2/NDF: 7200262.7/28

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

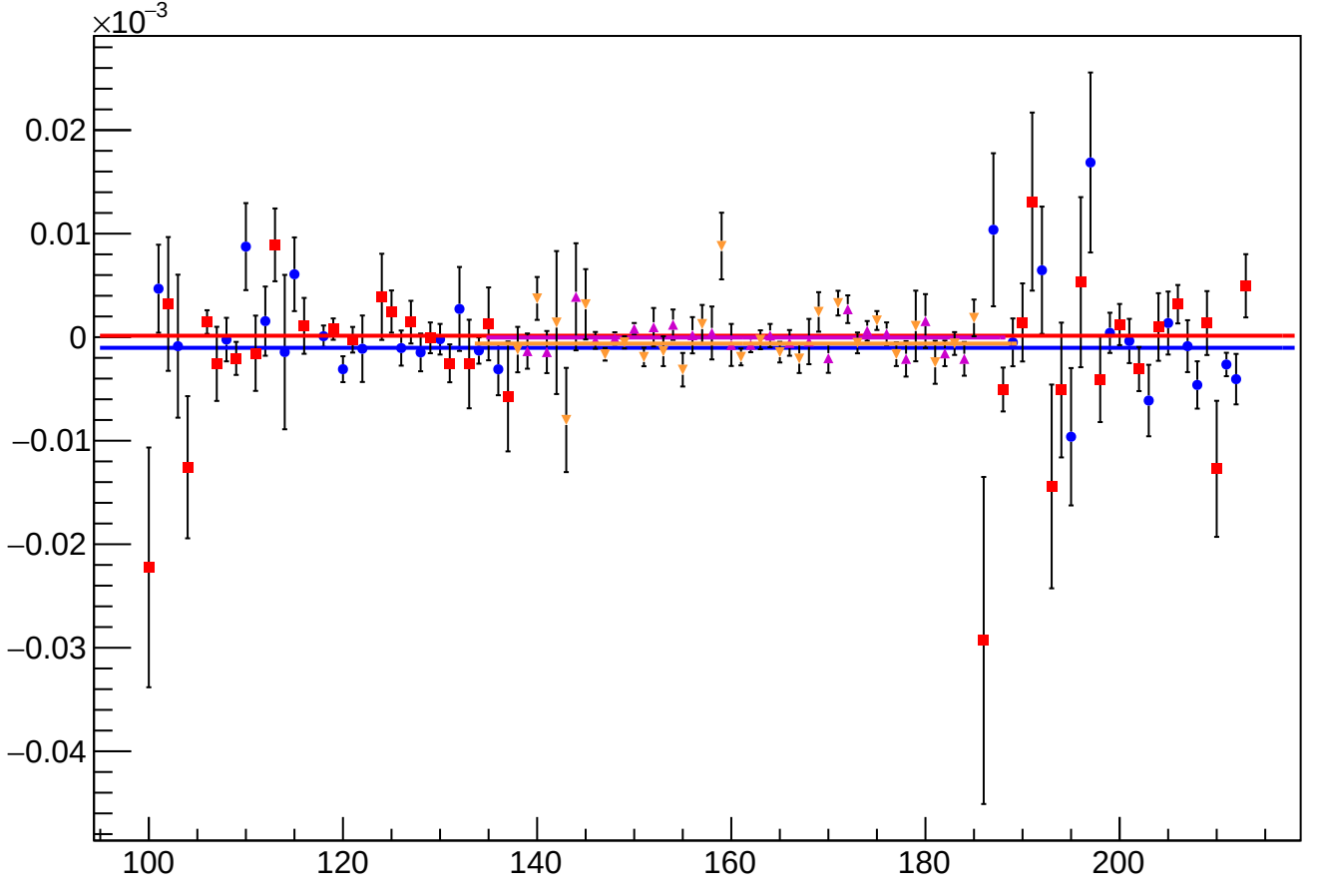
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 72.809+/-0.011 χ^2/NDF: 14152296.9/62

In: 61.477+/-0.009 χ^2/NDF:8168573.4/51

Out: 61.356+/-0.008 χ^2/NDF:9542741.2/58

All: 61.415+/-0.006 χ^2/NDF: 17711416.4/110



Right In: -0.000+/-0.000 χ^2/NDF: 37.1/28

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

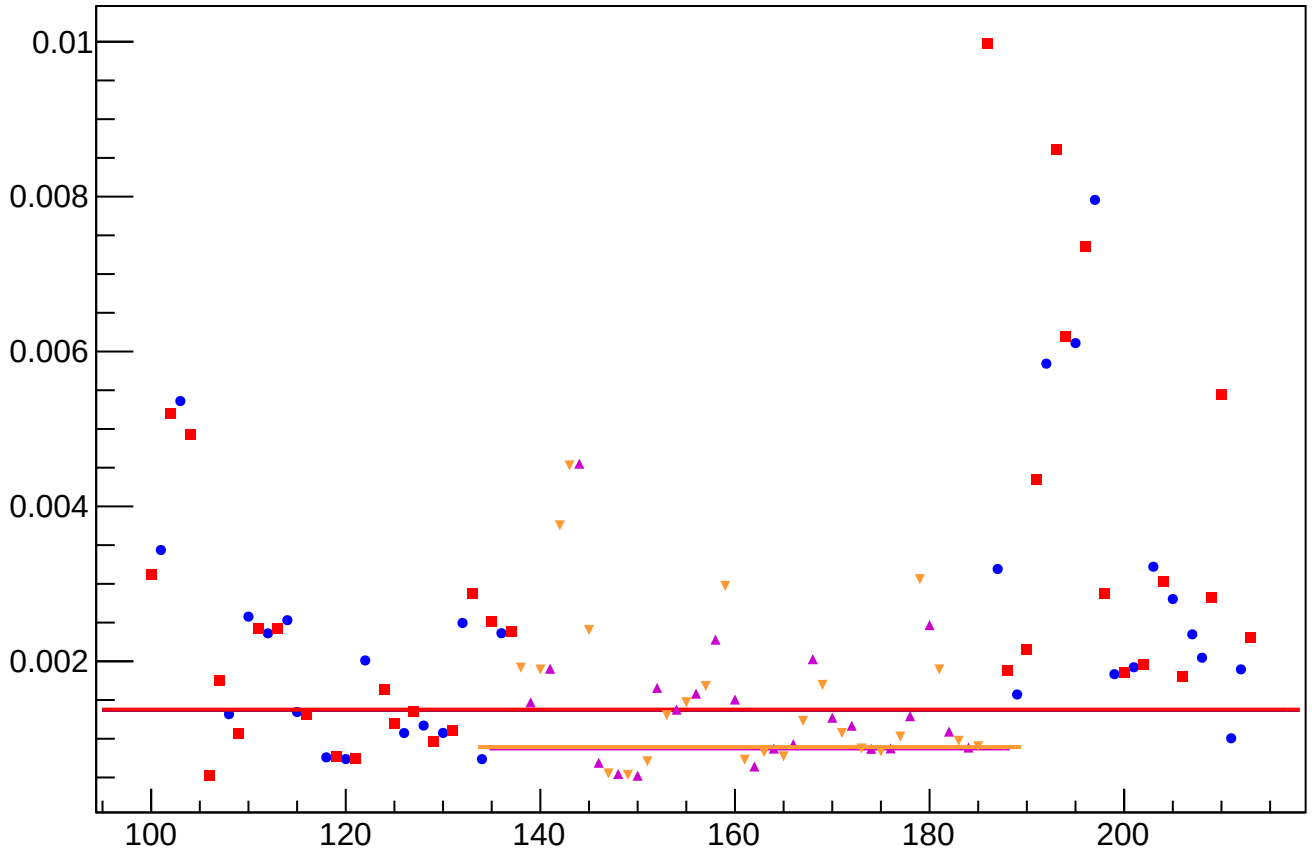
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 93.9/62

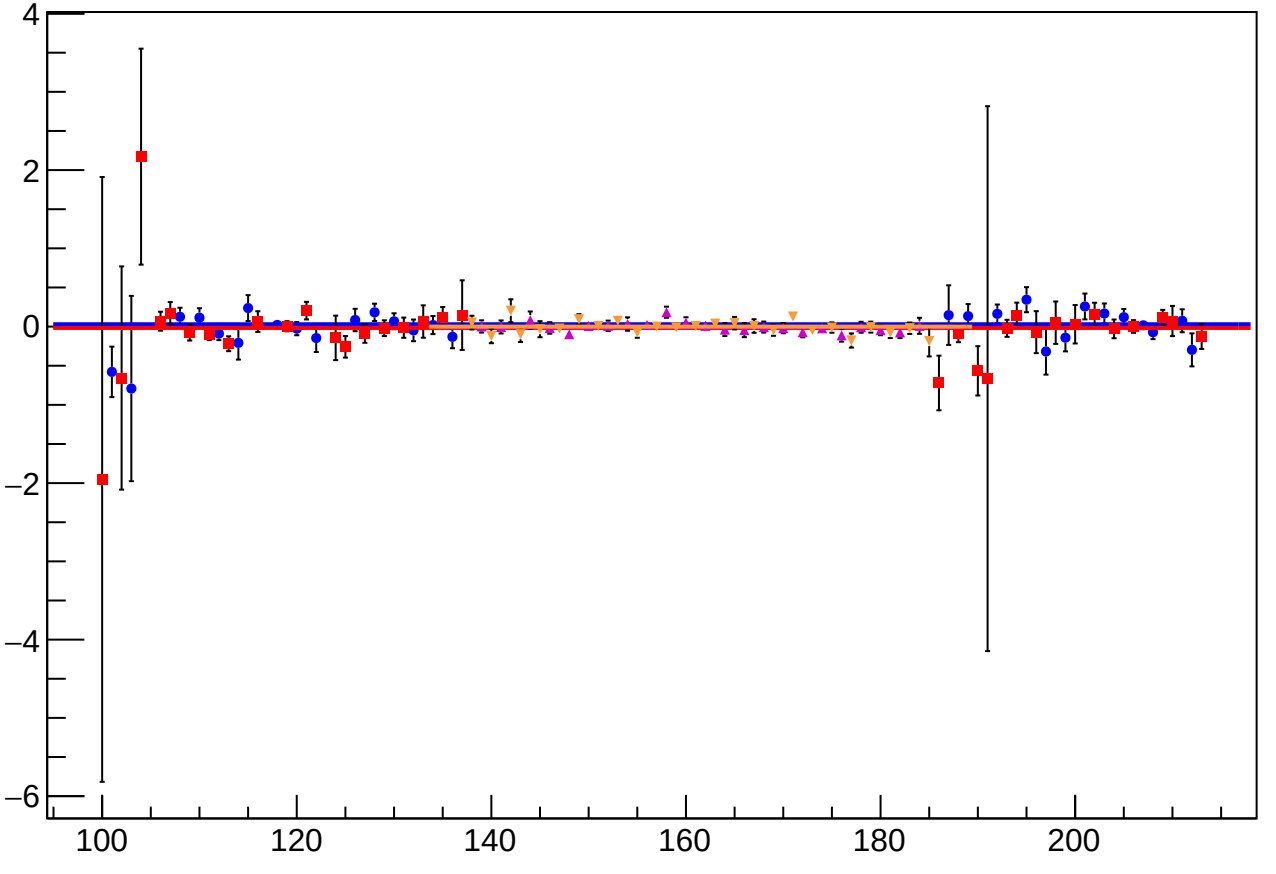
In: -0.000+/-0.000 χ^2/NDF:60.0/51

Out: -0.000+/-0.000 χ^2/NDF:108.0/58

All: -0.000+/-0.000 χ^2/NDF: 168.1/110


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: 9359229.3/28
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: 20974787.5/62
In: 0.001+/-0.000 χ²/NDF:18656982.5/51
Out: 0.001+/-0.000 χ²/NDF:21498788.0/58
All: 0.001+/-0.000 χ²/NDF: 40157264.9/110

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.021 χ^2/NDF: 31.0/28

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

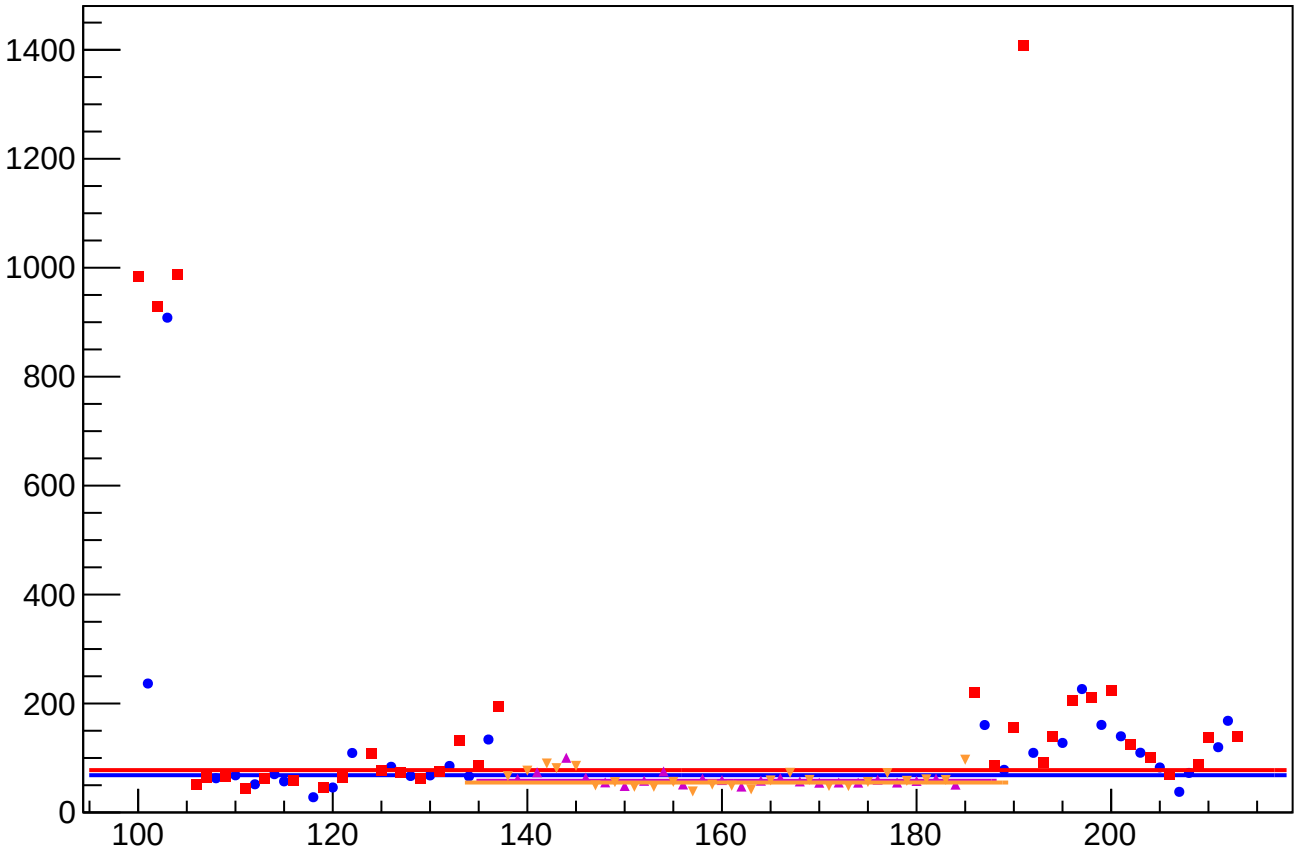
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.008+/-0.015 χ^2/NDF: 66.5/62

In: 0.004+/-0.012 χ^2/NDF:48.7/51

Out: -0.005+/-0.012 χ^2/NDF:56.2/58

All: -0.001+/-0.009 χ^2/NDF: 105.2/110



Right In: 68.382+/-0.015 χ^2/NDF: 7200537.4/28

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

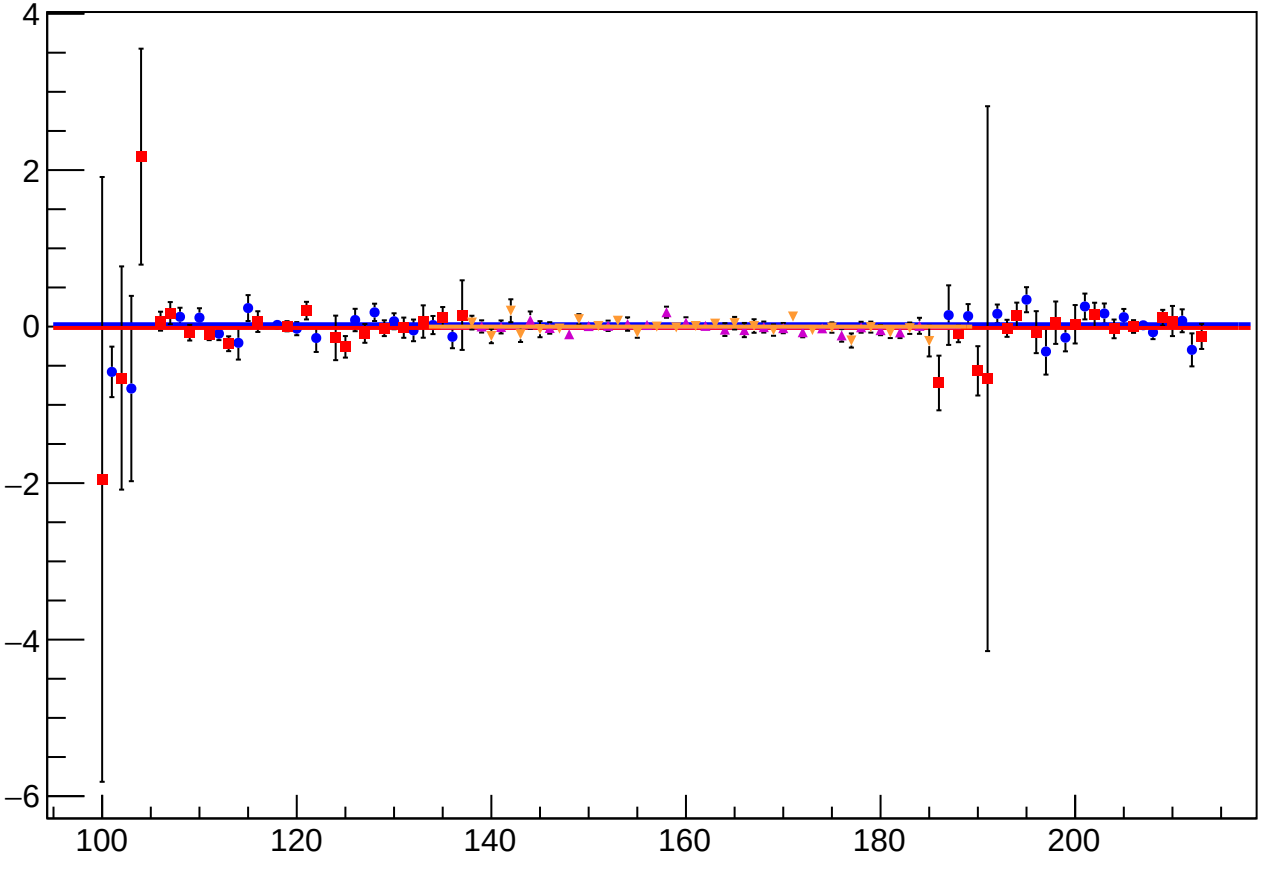
Right: 72.808+/-0.011 χ^2/NDF: 14152643.6/62

In: 61.477+/-0.009 χ^2/NDF:8168801.6/51

Out: 61.355+/-0.008 χ^2/NDF:9542887.2/58

All: 61.415+/-0.006 χ^2/NDF: 17711790.7/110

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.021 χ^2/NDF: 31.0/28

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

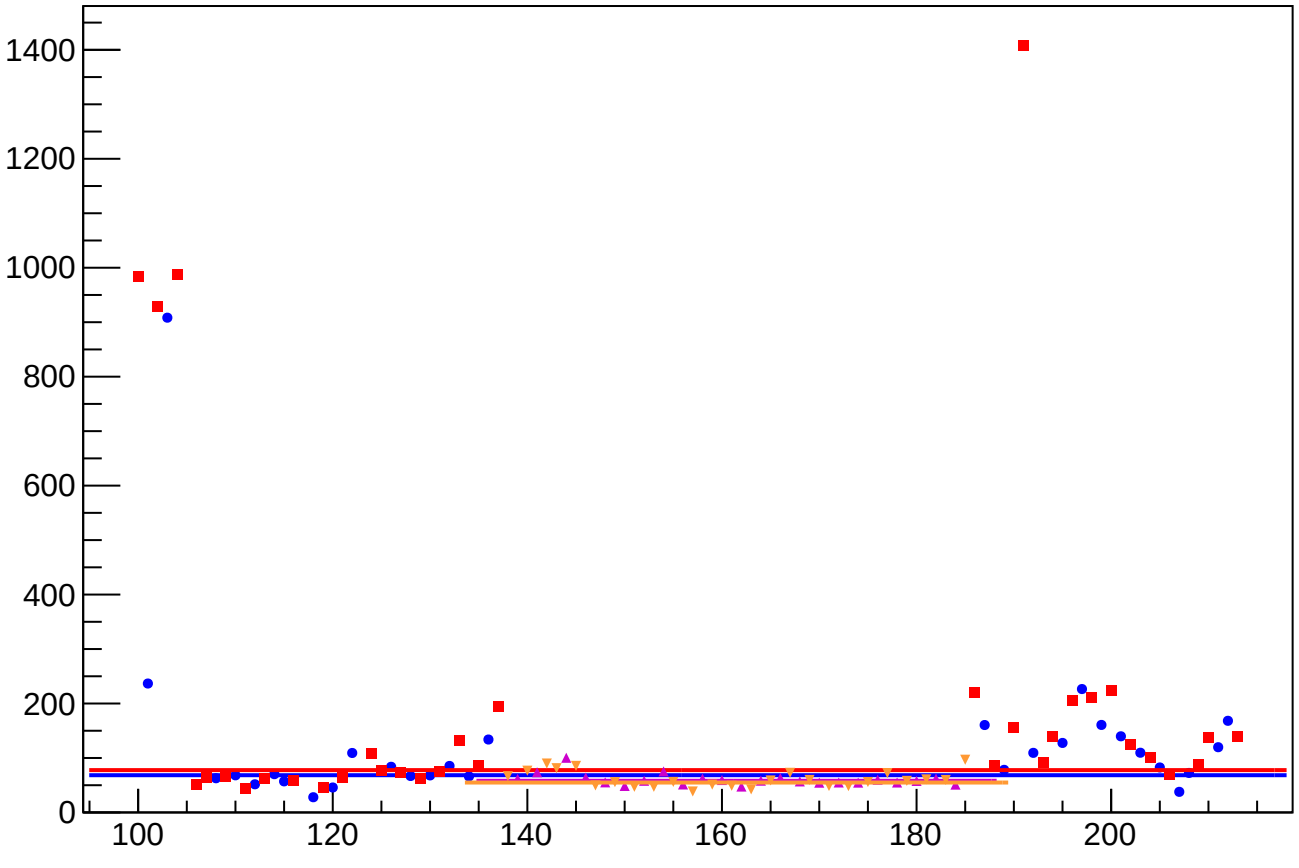
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.008+/-0.015 χ^2/NDF: 66.5/62

In: 0.004+/-0.012 χ^2/NDF:48.7/51

Out: -0.005+/-0.012 χ^2/NDF:56.2/58

All: -0.001+/-0.009 χ^2/NDF: 105.2/110



Right In: 68.382+/-0.015 χ^2/NDF: 7200537.4/28

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

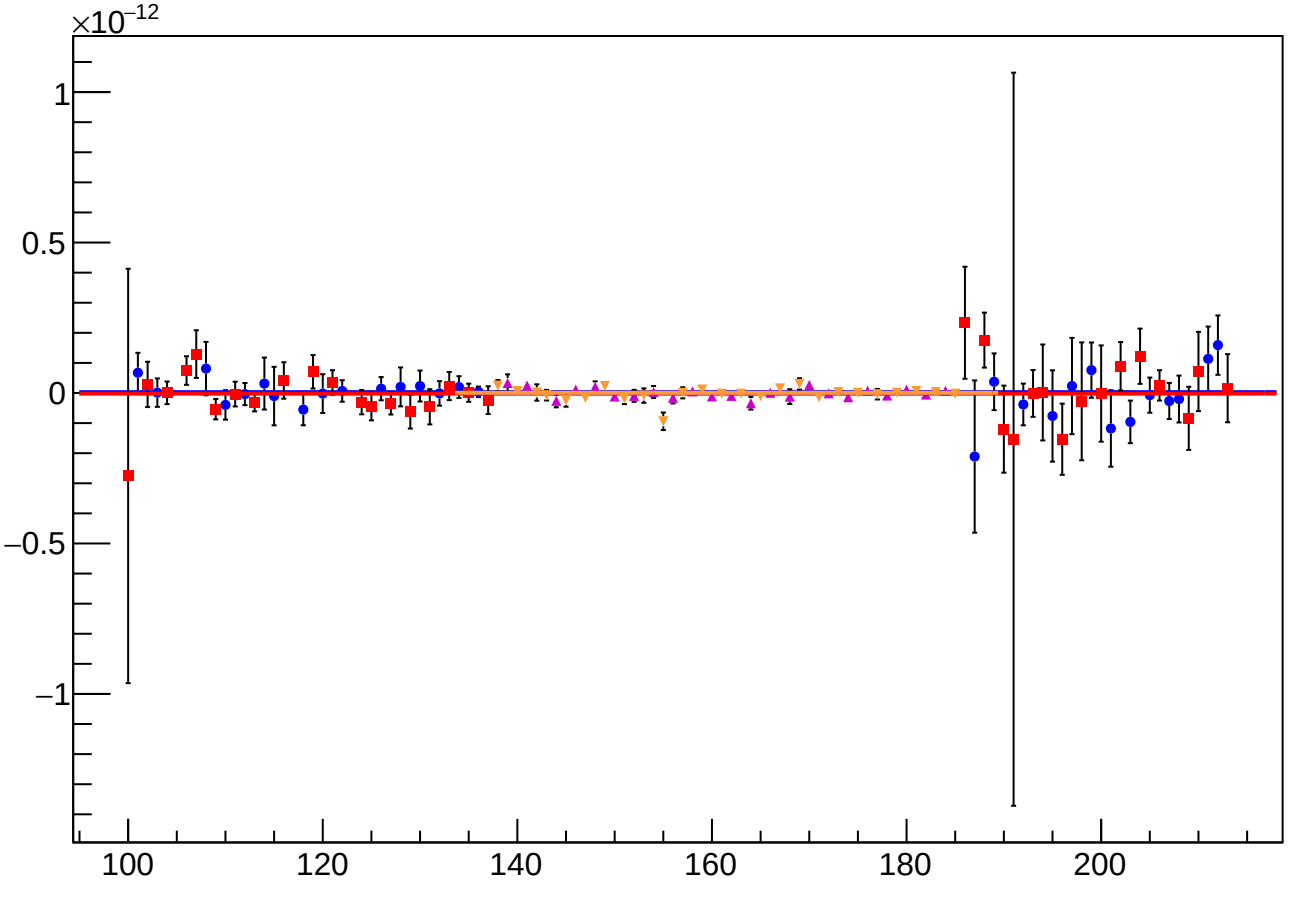
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 72.808+/-0.011 χ^2/NDF: 14152643.6/62

In: 61.477+/-0.009 χ^2/NDF:8168801.6/51

Out: 61.355+/-0.008 χ^2/NDF:9542887.2/58

All: 61.415+/-0.006 χ^2/NDF: 17711790.7/110



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/28

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

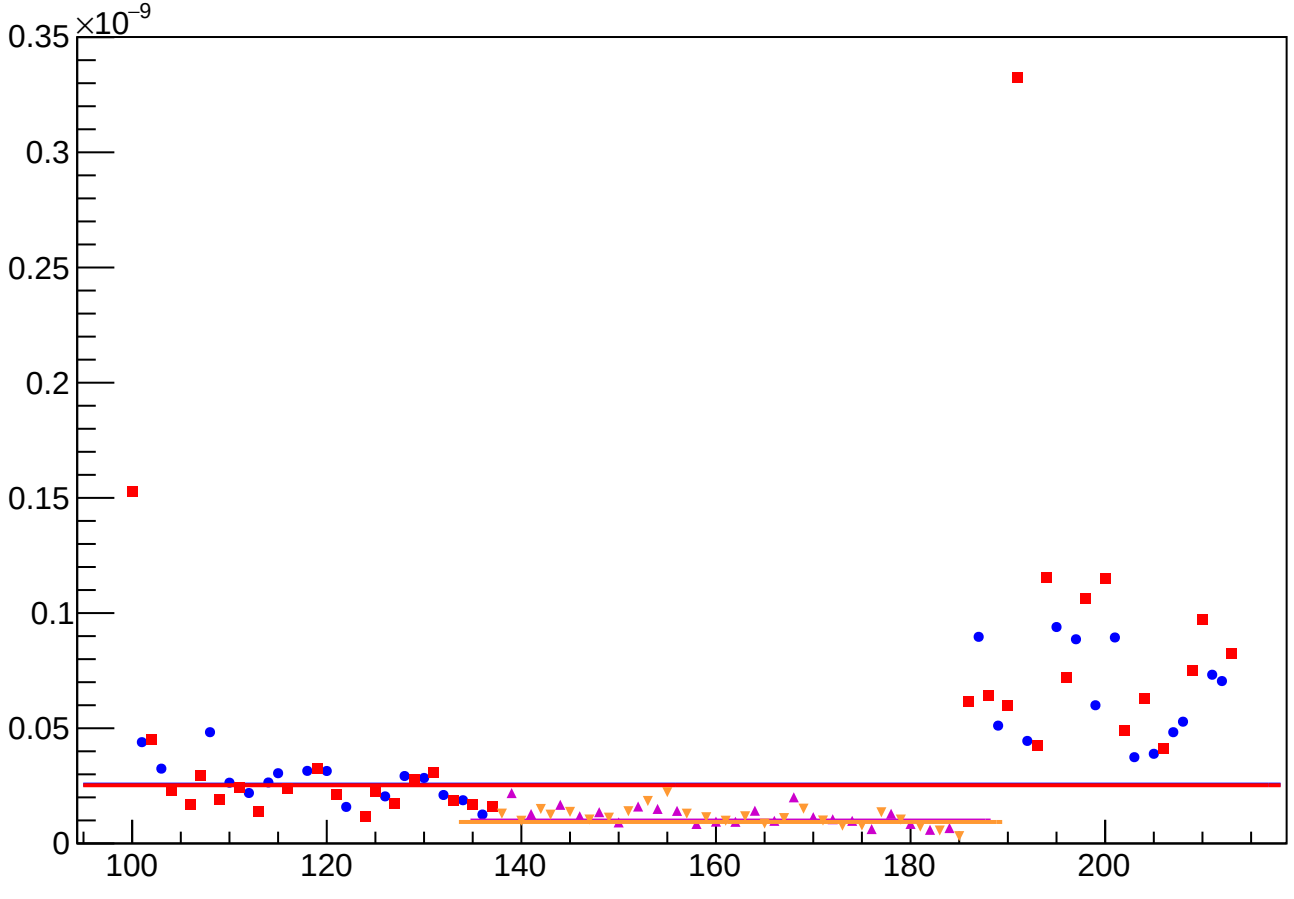
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: 0.000+/-0.000 χ^2/NDF: 41.9/62

In: 0.000+/-0.000 χ^2/NDF:33.6/51

Out: 0.000+/-0.000 χ^2/NDF:53.9/58

All: 0.000+/-0.000 χ^2/NDF: 87.5/110



Right In: 0.000+/-0.000 χ^2/NDF: 5221240.4/28

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

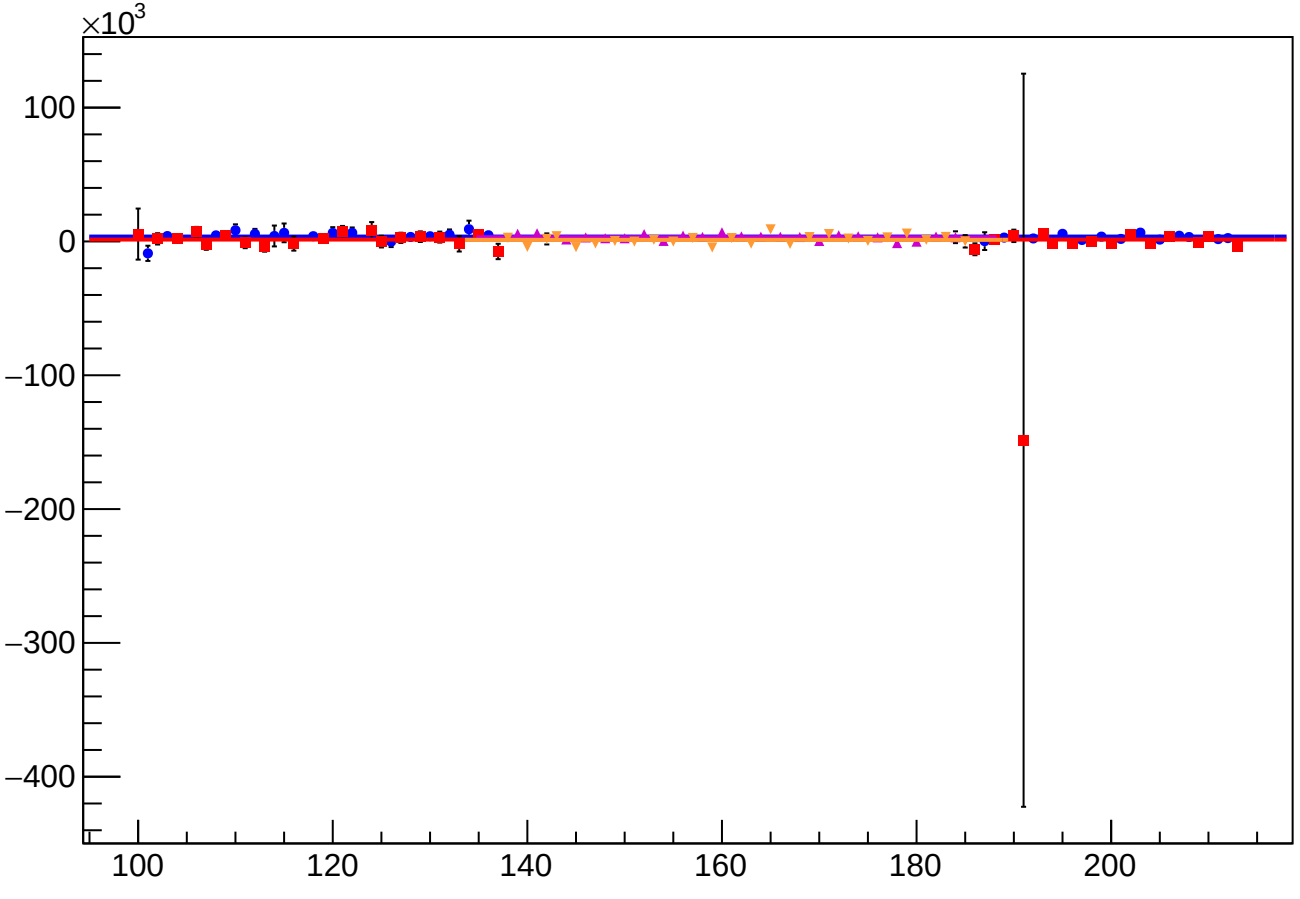
Right: 0.000+/-0.000 χ^2/NDF: 11531360.2/62

In: 0.000+/-0.000 χ^2/NDF:12777134.4/51

Out: 0.000+/-0.000 χ^2/NDF:14627246.8/58

All: 0.000+/-0.000 χ^2/NDF: 27480165.7/110

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3637.065+/-637.886 χ^2/NDF: 13.5/28

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

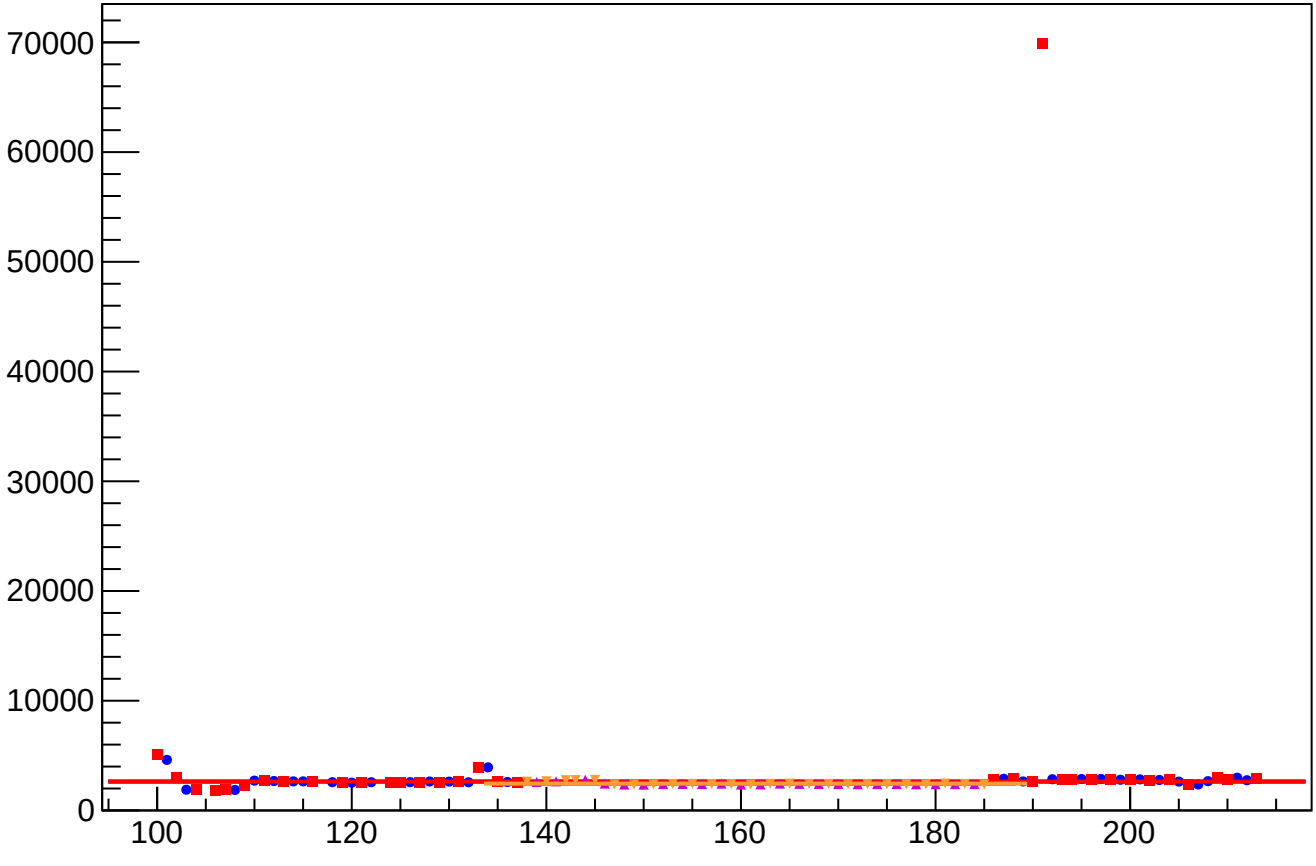
Right: 2485.583+/-443.370 χ^2/NDF: 51.3/62

In: 3364.479+/-424.709 χ^2/NDF:26.5/51

Out: 1287.757+/-413.045 χ^2/NDF:62.8/58

All: 2297.209+/-296.105 χ^2/NDF: 101.5/110

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2634.894+/-0.451 χ^2/NDF: 747920.2/28

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

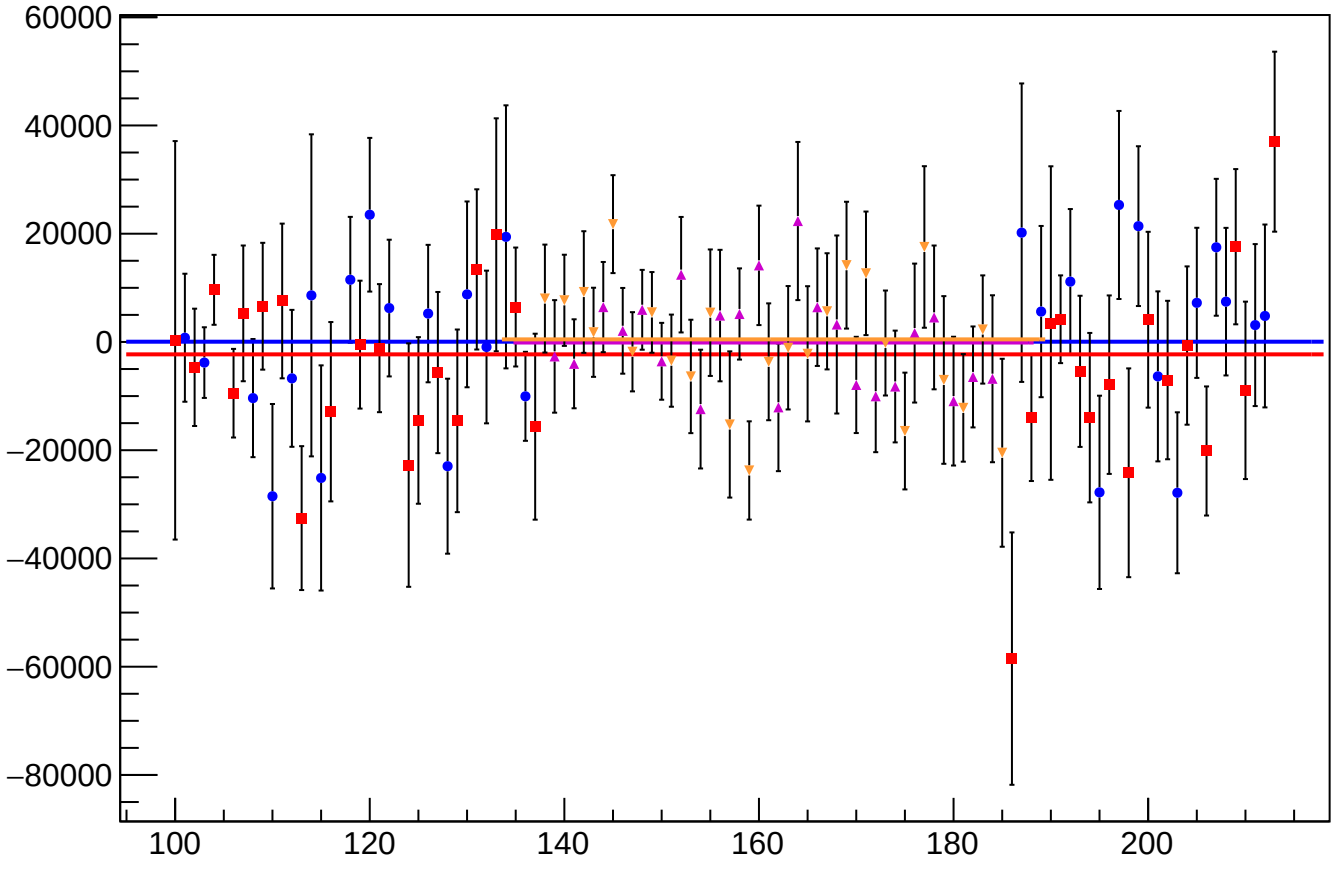
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2634.226+/-0.314 χ^2/NDF: 1551075.1/62

In: 2524.142+/-0.300 χ^2/NDF:915409.9/51

Out: 2530.062+/-0.292 χ^2/NDF:995410.9/58

All: 2527.184+/-0.209 χ^2/NDF: 1911020.5/11



Right In: 45.998+/-2492.192 χ^2/NDF: 28.7/28

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

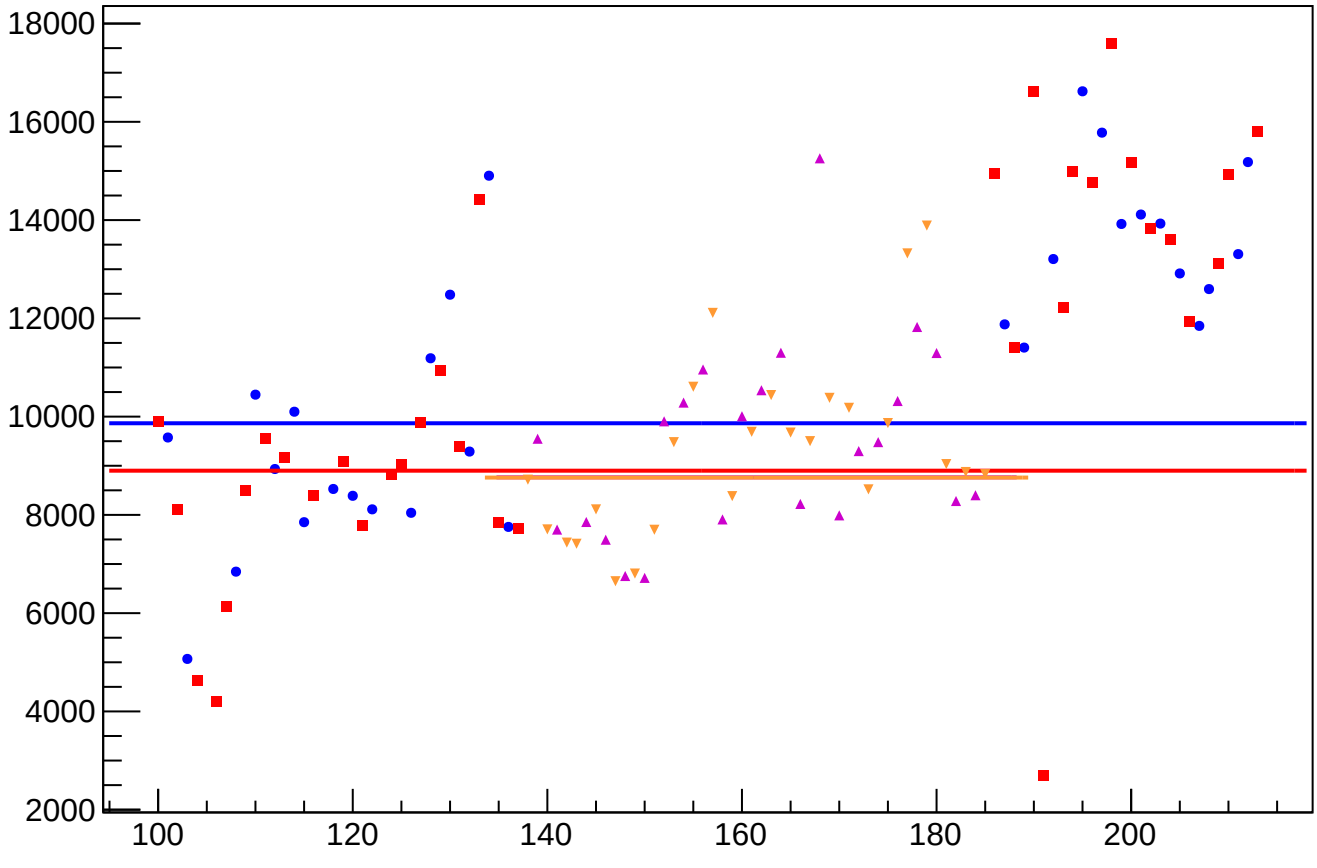
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -1237.859+/-1672.739 χ^2/NDF: 65.6/62

In: -42.595+/-1601.816 χ^2/NDF:43.2/51

Out: -764.768+/-1511.630 χ^2/NDF:64.6/58

All: -424.583+/-1099.385 χ^2/NDF: 107.9/110



Right In: 9864.945+/-1.762 χ^2/NDF: 3323375.3/28

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8899.648+/-1.596 χ^2/NDF: 6132433.8/33

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

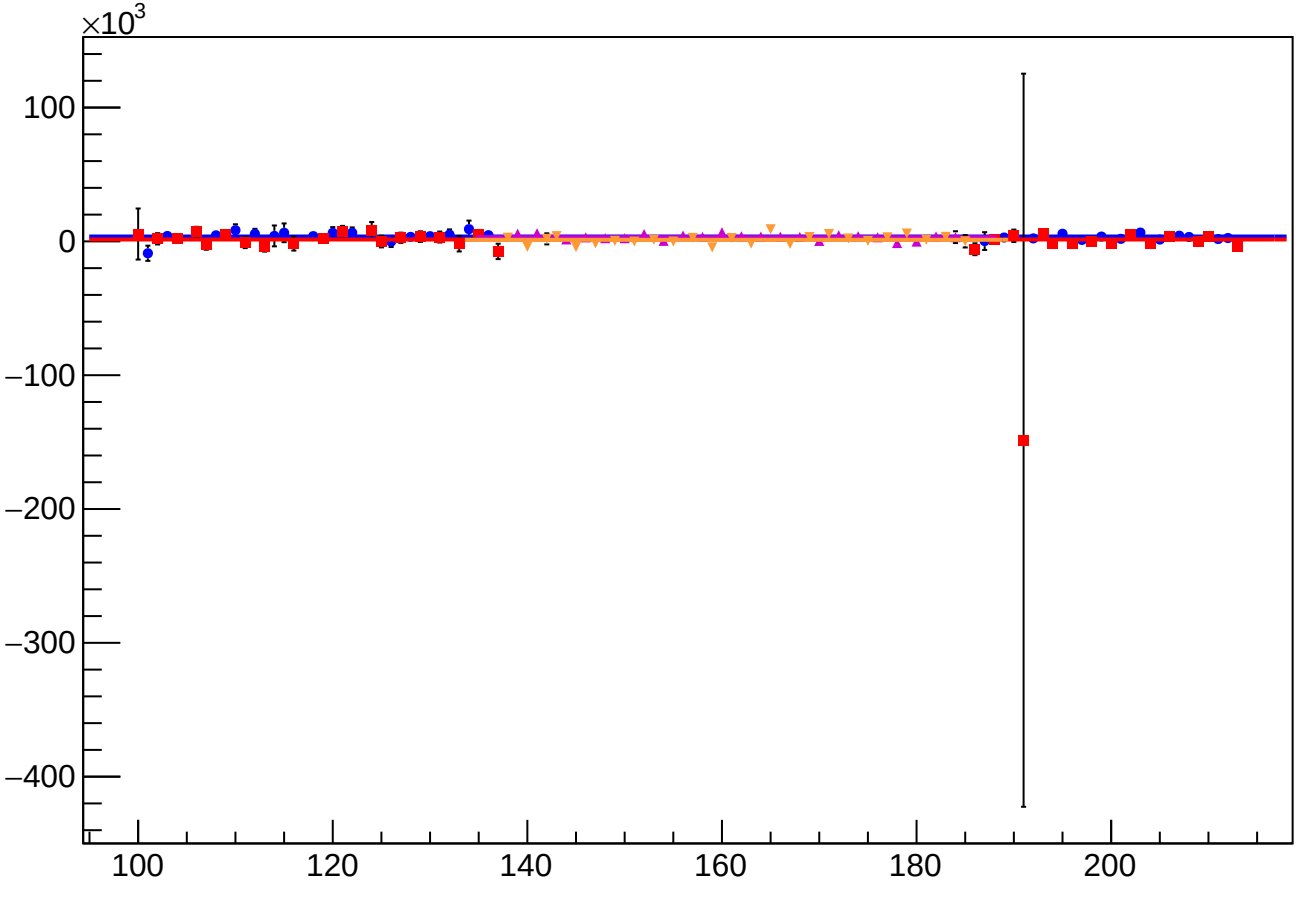
Right: 9334.512+/-1.183 χ^2/NDF: 9620685.6/62

In: 9218.889+/-1.133 χ^2/NDF:4844081.2/51

Out: 8822.466+/-1.069 χ^2/NDF:7358916.3/58

All: 9009.204+/-0.777 χ^2/NDF: 12267791.0/1

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3636.955+/-637.886 χ^2/NDF: 13.5/28

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

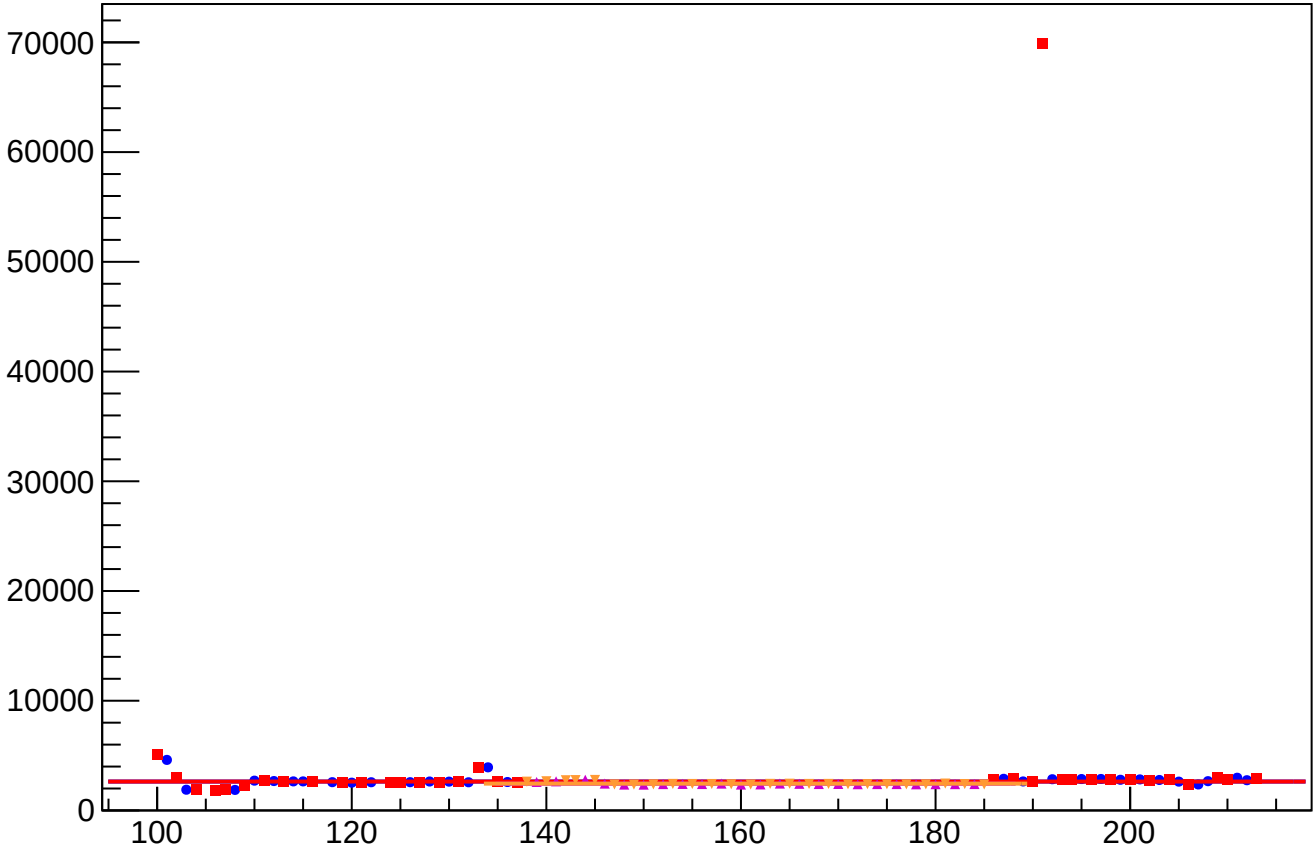
Right: 2485.718+/-443.371 χ^2/NDF: 51.4/62

In: 3364.321+/-424.709 χ^2/NDF:26.5/51

Out: 1287.822+/-413.046 χ^2/NDF:62.8/58

All: 2297.167+/-296.105 χ^2/NDF: 101.5/110

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2634.895+/-0.451 χ^2/NDF: 747917.4/28

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

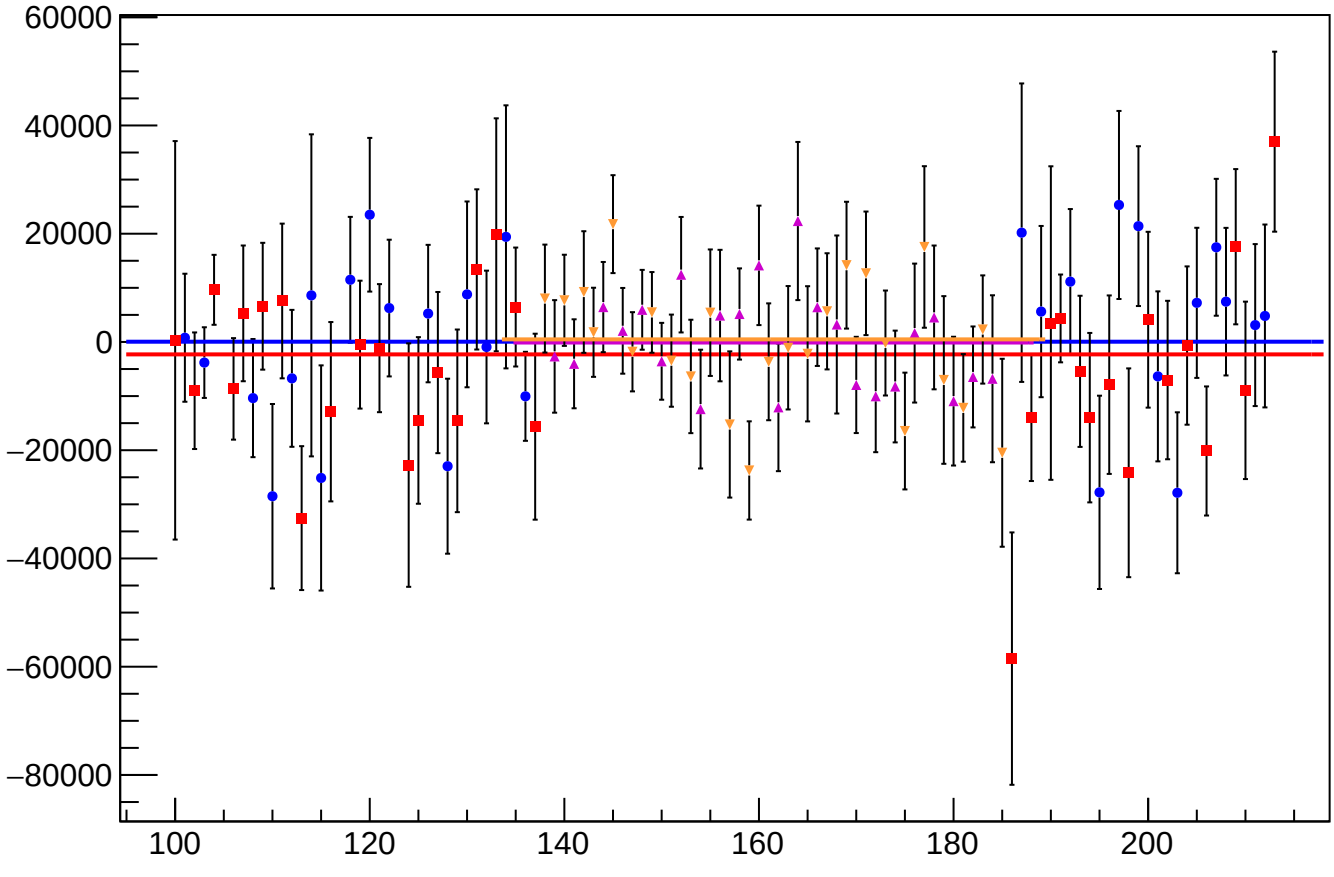
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2634.233+/-0.314 χ^2/NDF: 1550995.5/62

In: 2524.142+/-0.300 χ^2/NDF:915407.6/51

Out: 2530.067+/-0.292 χ^2/NDF:995347.0/58

All: 2527.187+/-0.209 χ^2/NDF: 1910954.6/11



Right In: 46.356+/-2492.238 χ^2/NDF: 28.7/28

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

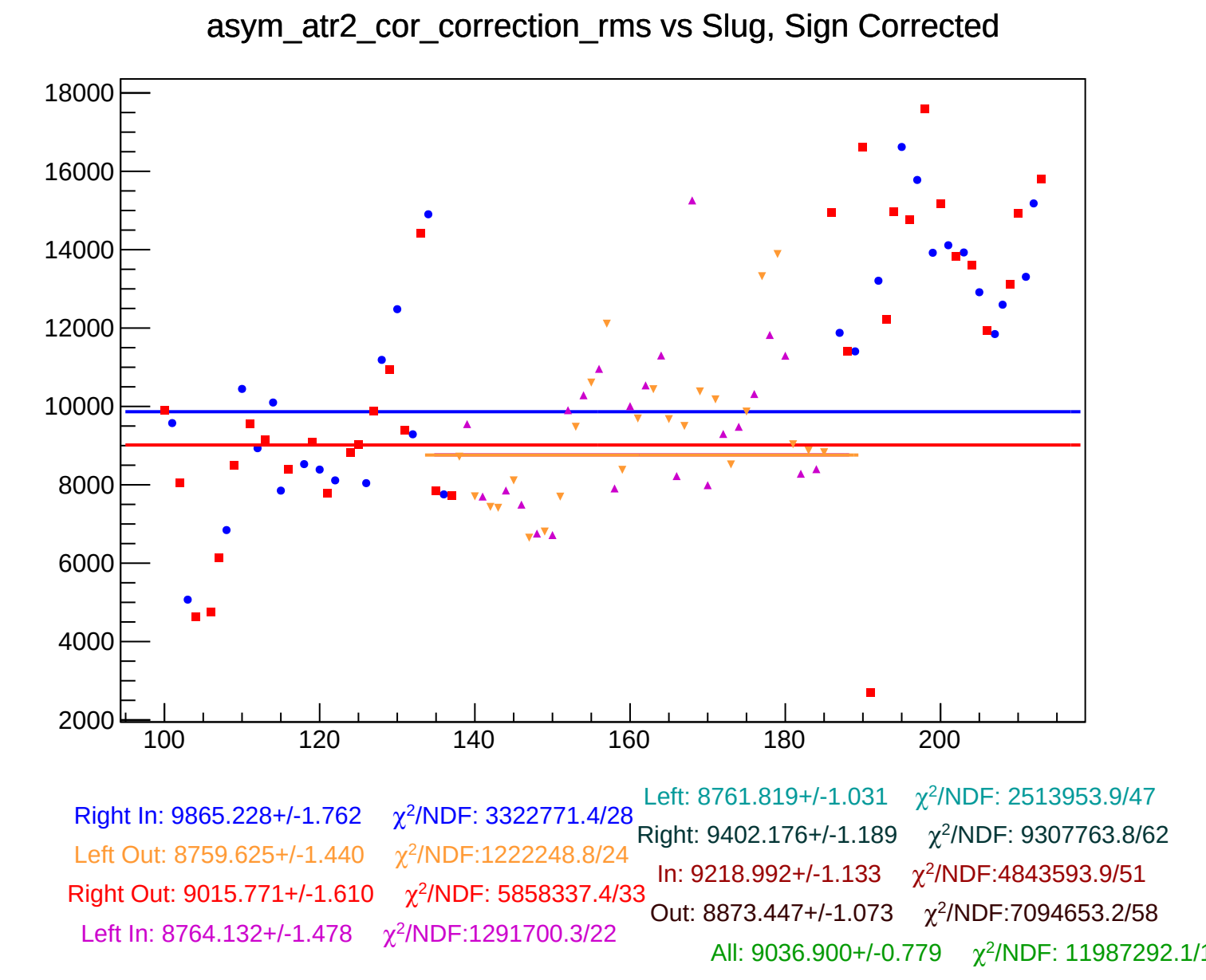
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

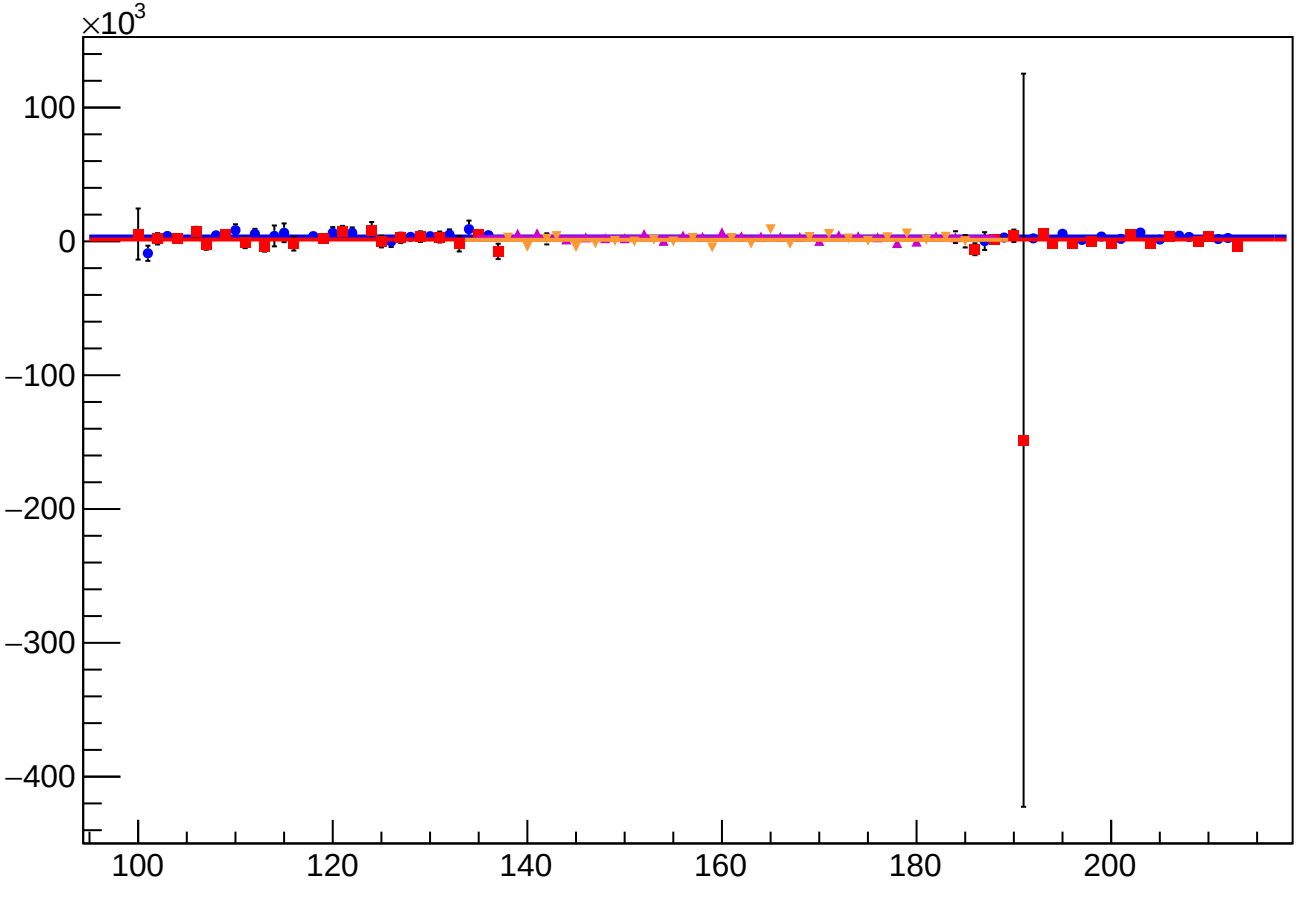
Right: -1229.919+/-1680.895 χ^2/NDF: 65.7/62

In: -42.490+/-1601.828 χ^2/NDF:43.2/51

Out: -754.639+/-1517.630 χ^2/NDF:64.7/58

All: -417.772+/-1101.690 χ^2/NDF: 108.0/110


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9865.228+/-1.762 χ²/NDF: 3322771.4/28
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 9015.771+/-1.610 χ²/NDF: 5858337.4/33
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 9402.176+/-1.189 χ²/NDF: 9307763.8/62
In: 9218.992+/-1.133 χ²/NDF:4843593.9/51
Out: 8873.447+/-1.073 χ²/NDF:7094653.2/58
All: 9036.900+/-0.779 χ²/NDF: 11987292.1/1



Right In: 3636.955+/-637.886 χ^2/NDF: 13.5/28

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

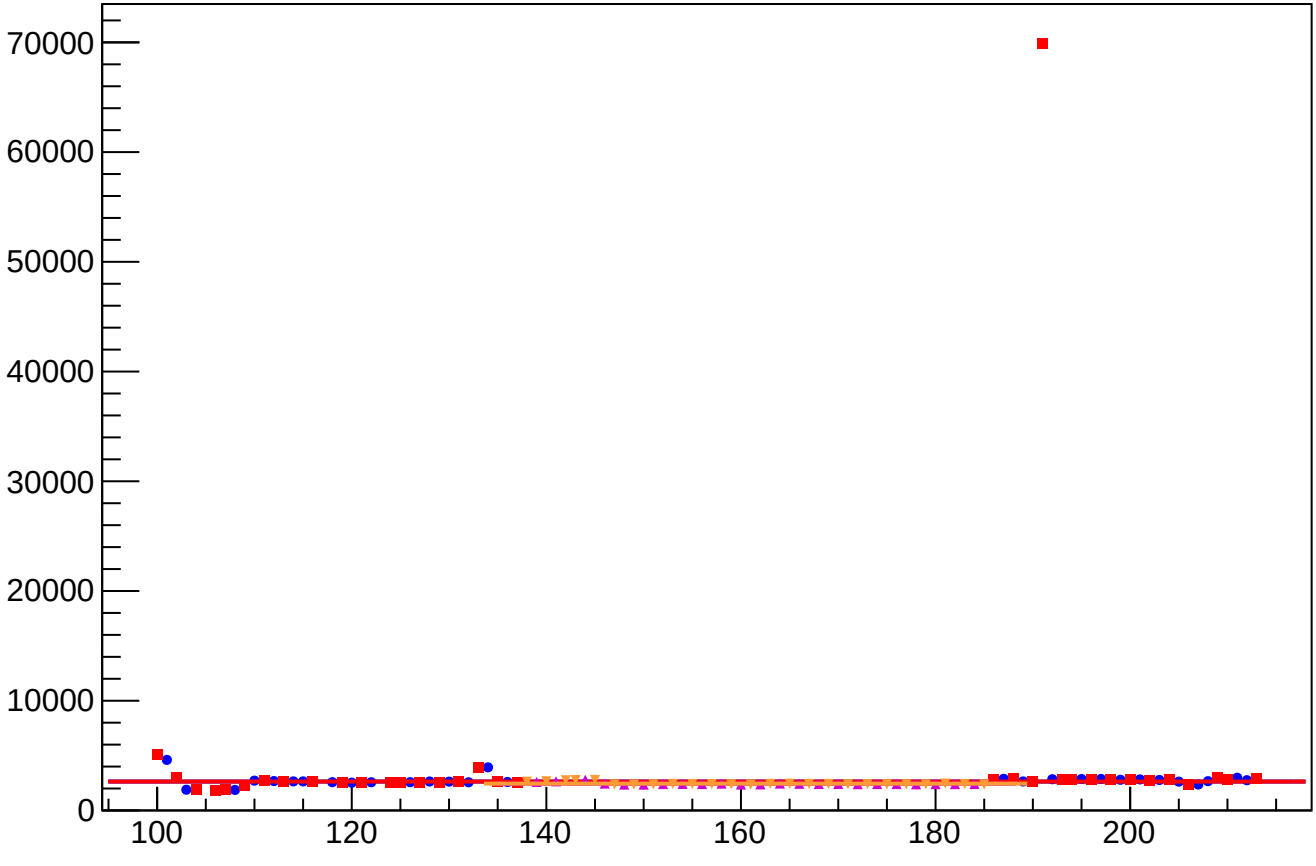
Right: 2485.718+/-443.371 χ^2/NDF: 51.4/62

In: 3364.321+/-424.709 χ^2/NDF:26.5/51

Out: 1287.822+/-413.046 χ^2/NDF:62.8/58

All: 2297.167+/-296.105 χ^2/NDF: 101.5/110

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2634.895+/-0.451 χ^2/NDF: 747917.4/28

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

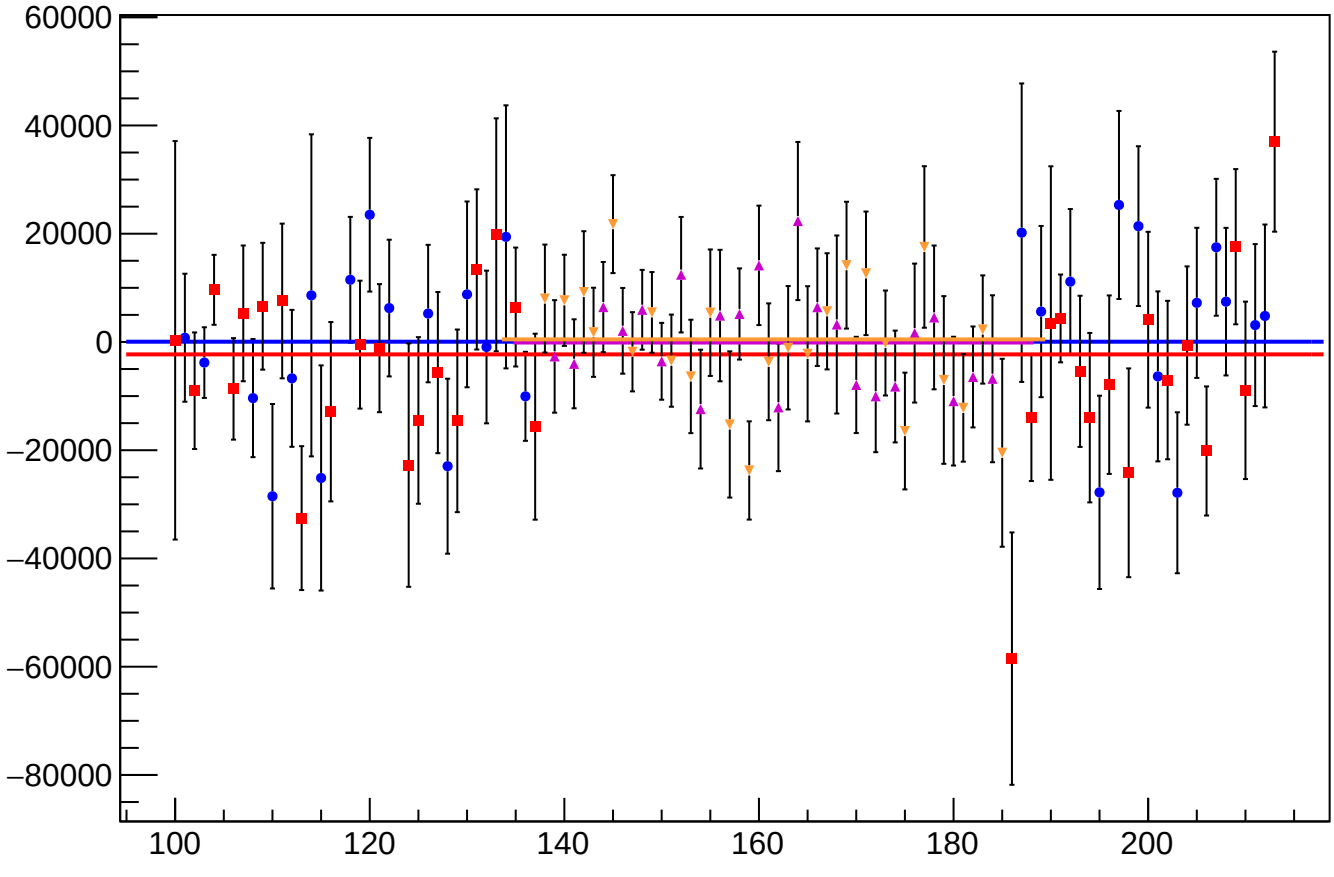
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2634.233+/-0.314 χ^2/NDF: 1550995.5/62

In: 2524.142+/-0.300 χ^2/NDF:915407.6/51

Out: 2530.067+/-0.292 χ^2/NDF:995347.0/58

All: 2527.187+/-0.209 χ^2/NDF: 1910954.6/11



Right In: 46.356+/-2492.238 χ^2/NDF: 28.7/28

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

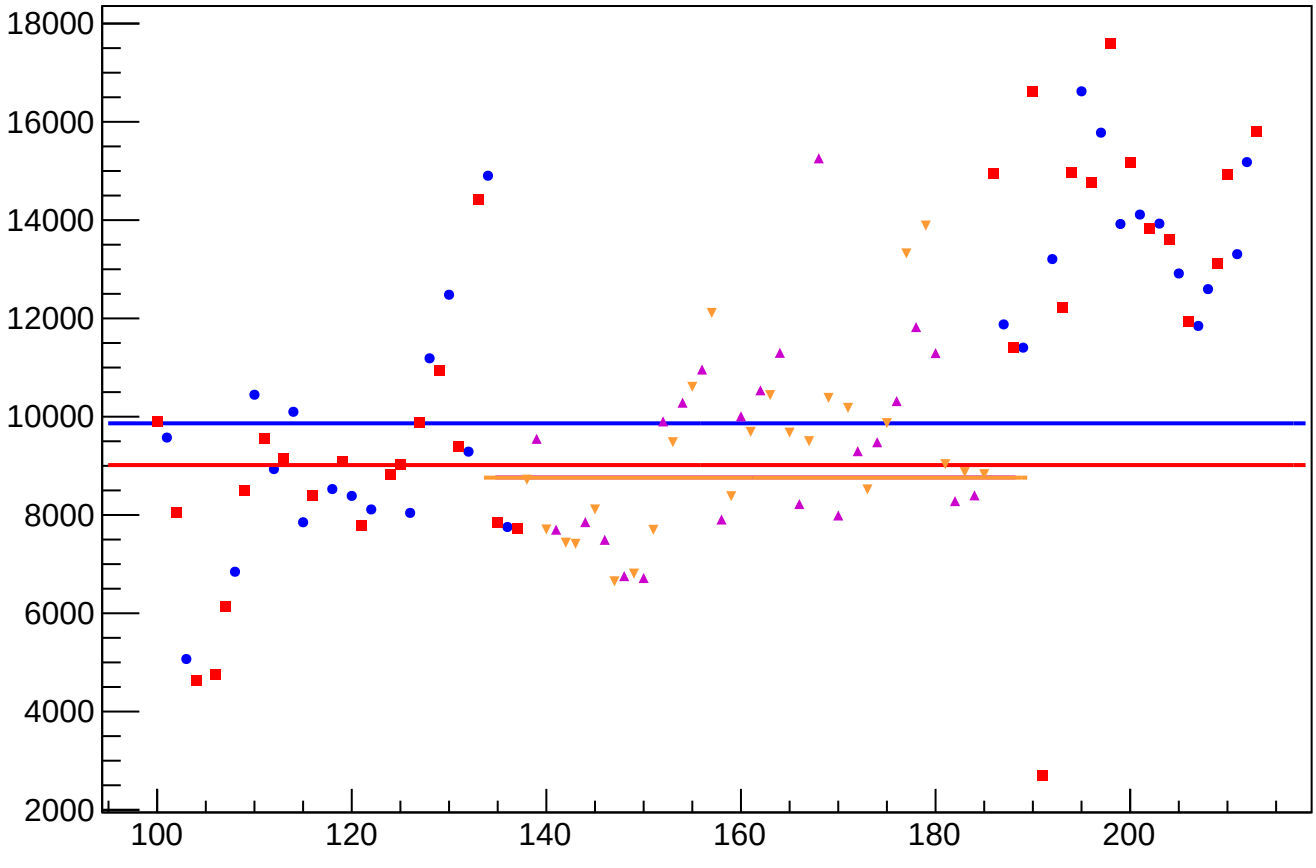
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -1229.919+/-1680.895 χ^2/NDF: 65.7/62

In: -42.490+/-1601.828 χ^2/NDF:43.2/51

Out: -754.639+/-1517.630 χ^2/NDF:64.7/58

All: -417.772+/-1101.690 χ^2/NDF: 108.0/110



Right In: 9865.228+/-1.762 χ^2/NDF: 3322771.4/28

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

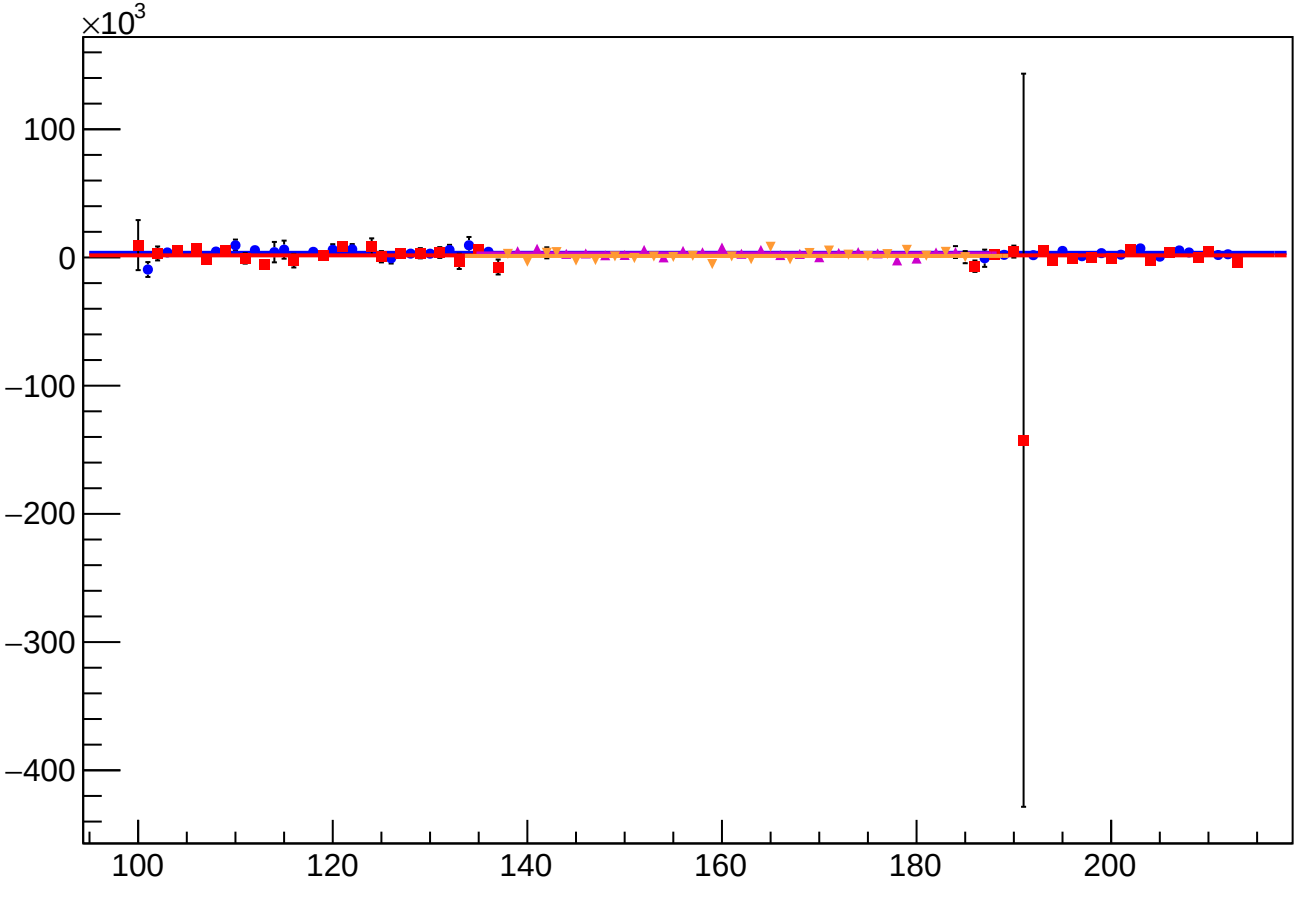
Right: 9402.176+/-1.189 χ^2/NDF: 9307763.8/62

In: 9218.992+/-1.133 χ^2/NDF:4843593.9/51

Out: 8873.447+/-1.073 χ^2/NDF:7094653.2/58

All: 9036.900+/-0.779 χ^2/NDF: 11987292.1/1

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3635.384+/-655.903 χ^2/NDF: 15.8/28

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

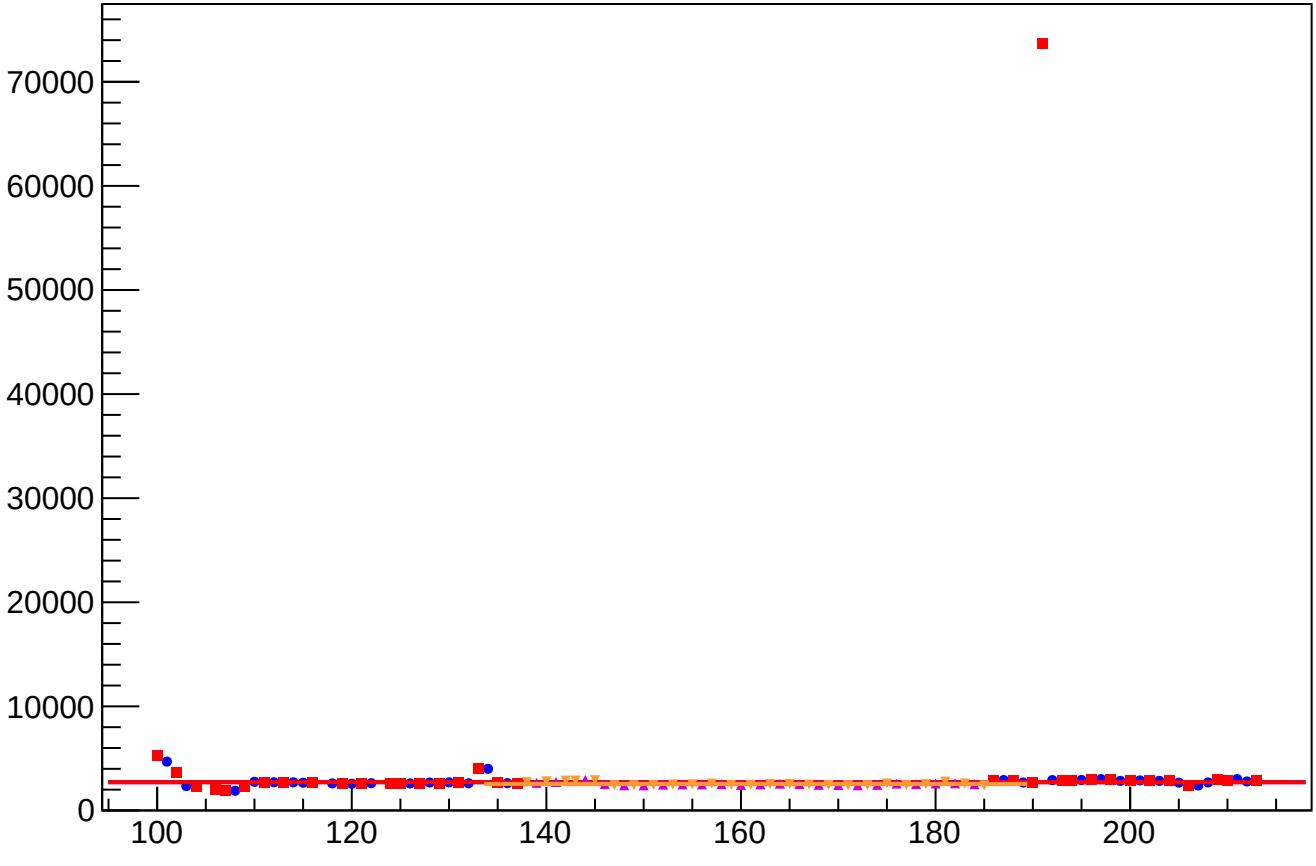
Right: 2611.113+/-456.567 χ^2/NDF: 56.3/62

In: 3368.095+/-439.515 χ^2/NDF:32.6/51

Out: 1411.028+/-428.408 χ^2/NDF:62.9/58

All: 2364.521+/-306.782 χ^2/NDF: 105.6/110

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2714.610+/-0.464 χ^2/NDF: 601063.9/28

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

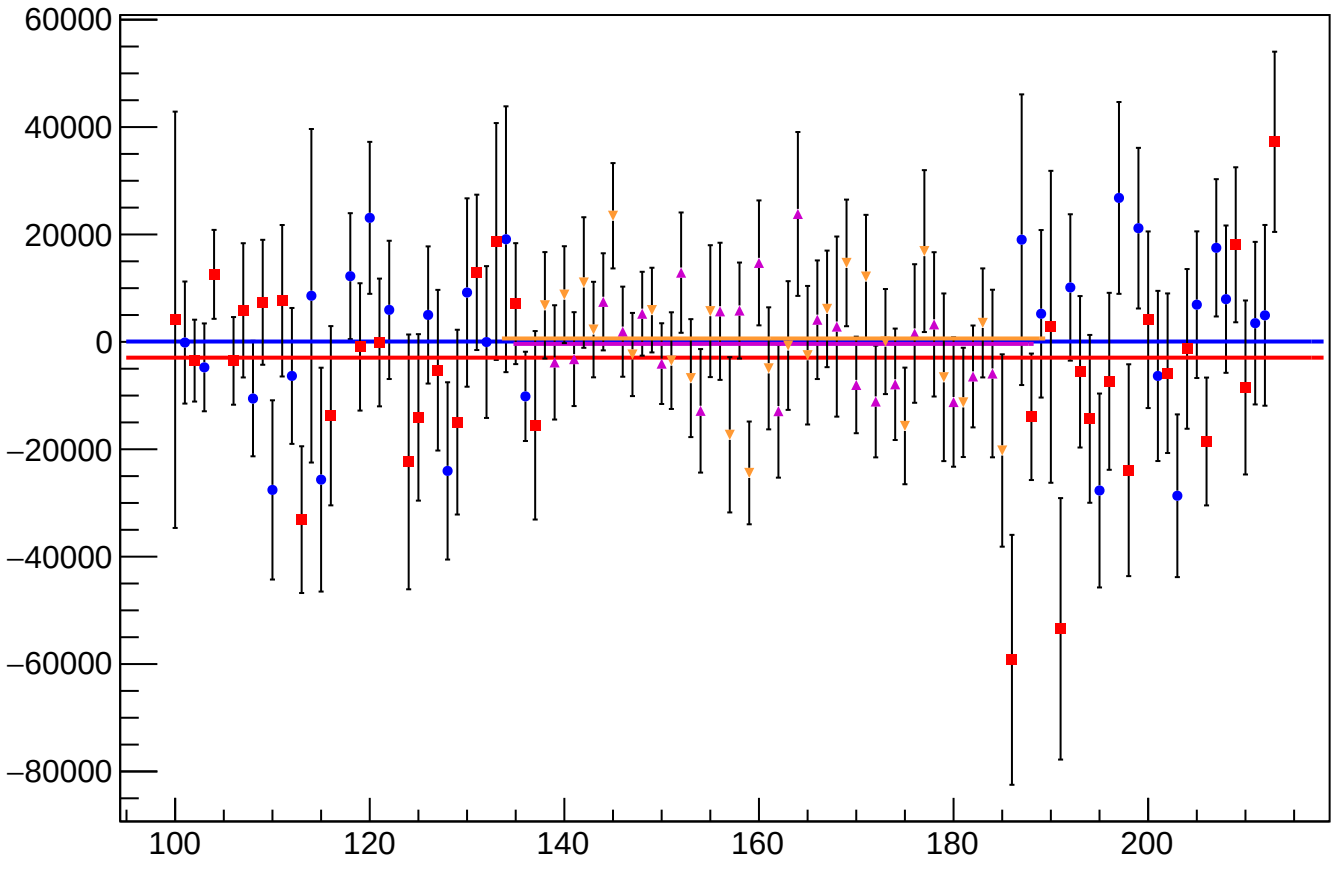
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2714.939+/-0.323 χ^2/NDF: 1297974.8/62

In: 2614.421+/-0.311 χ^2/NDF:754199.3/51

Out: 2623.463+/-0.303 χ^2/NDF:890550.1/58

All: 2619.059+/-0.217 χ^2/NDF: 1645183.5/11



Right In: 63.686+/-2569.056 χ^2/NDF: 28.6/28

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

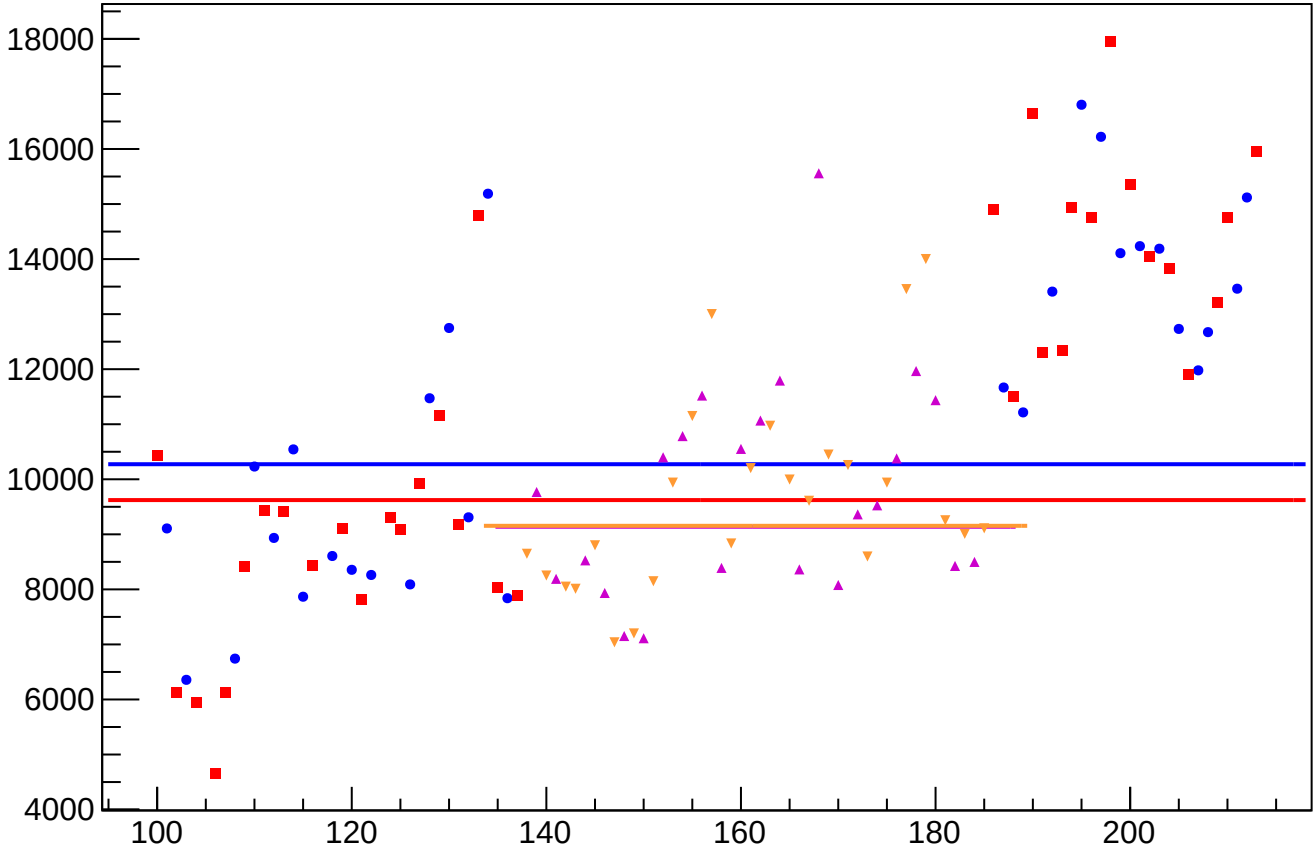
Right: -1569.624+/-1735.674 χ^2/NDF: 68.0/62

In: -193.415+/-1660.586 χ^2/NDF:42.8/51

Out: -970.989+/-1576.654 χ^2/NDF:66.6/58

All: -602.349+/-1143.384 χ^2/NDF: 109.6/110

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 10273.590+/-1.817 χ^2/NDF: 2646656.4/28

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

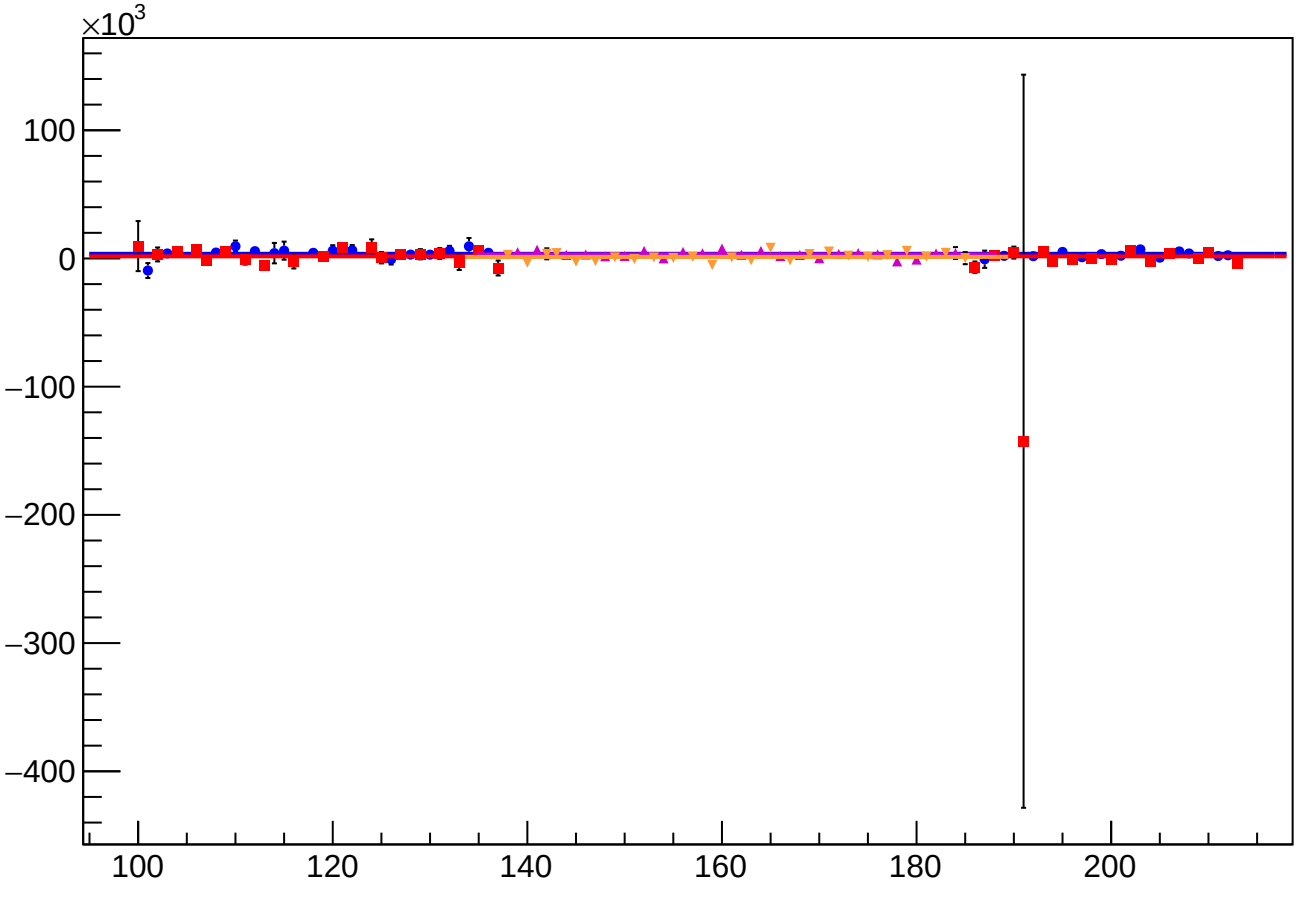
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 9919.505+/-1.227 χ^2/NDF: 7117141.3/62

In: 9612.211+/-1.174 χ^2/NDF:4047124.4/51

Out: 9364.360+/-1.115 χ^2/NDF:5516152.5/58

All: 9481.864+/-0.808 χ^2/NDF: 9586708.4/11



Right In: 3635.380+/-655.903 χ^2/NDF: 15.8/28

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

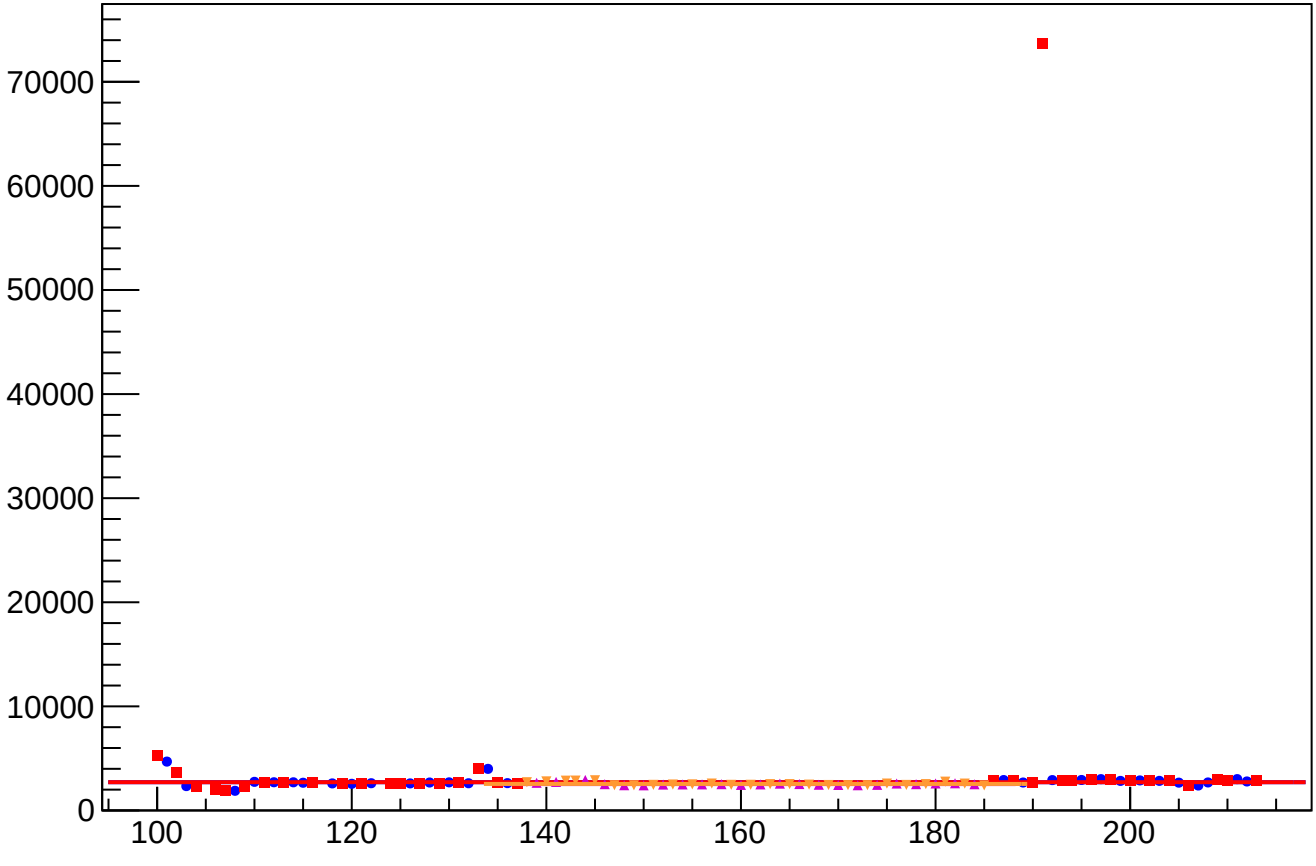
Right: 2611.112+/-456.567 χ^2/NDF: 56.3/62

In: 3368.093+/-439.515 χ^2/NDF:32.6/51

Out: 1411.023+/-428.409 χ^2/NDF:62.9/58

All: 2364.517+/-306.782 χ^2/NDF: 105.6/110

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2714.610+/-0.464 χ^2/NDF: 601064.8/28

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

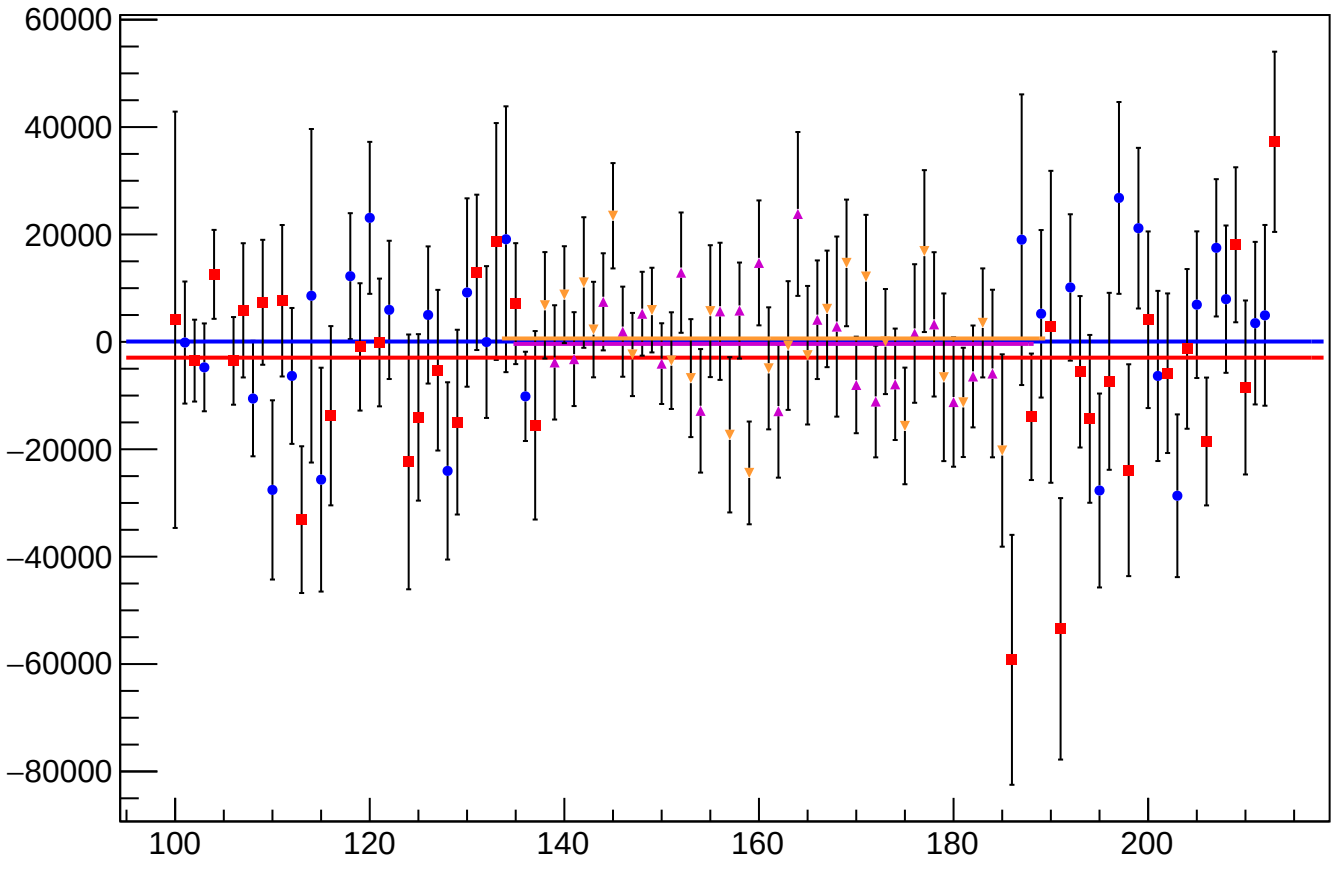
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2714.939+/-0.323 χ^2/NDF: 1297975.5/62

In: 2614.422+/-0.311 χ^2/NDF:754197.8/51

Out: 2623.464+/-0.303 χ^2/NDF:890548.4/58

All: 2619.059+/-0.217 χ^2/NDF: 1645180.3/11



Right In: 63.700+/-2569.055 χ^2/NDF: 28.6/28

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

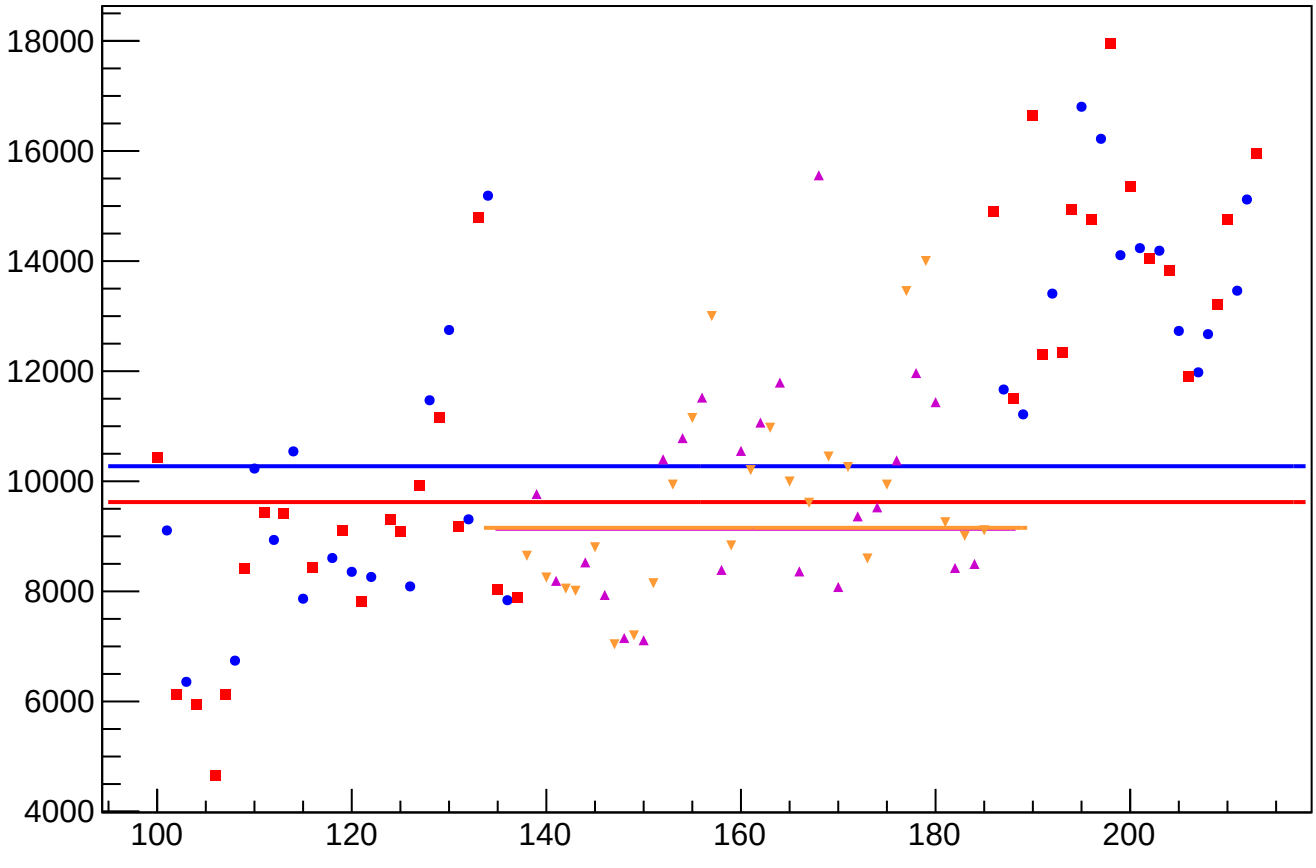
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -1569.614+/-1735.673 χ^2/NDF: 68.0/62

In: -193.412+/-1660.588 χ^2/NDF:42.8/51

Out: -970.992+/-1576.655 χ^2/NDF:66.6/58

All: -602.349+/-1143.385 χ^2/NDF: 109.6/110



Right In: 10273.584+/-1.817 χ^2/NDF: 2646672.4/28

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

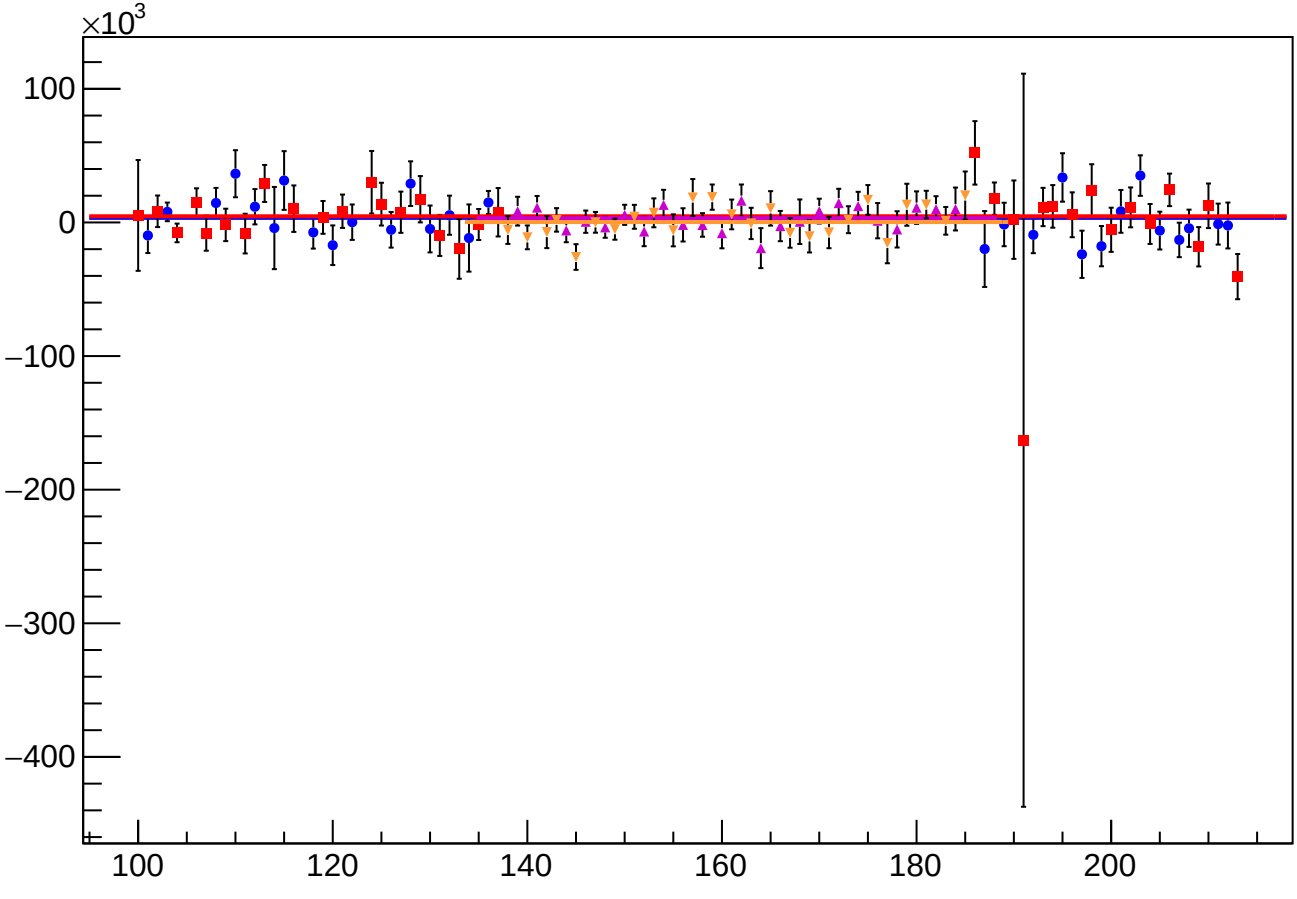
Right: 9919.497+/-1.227 χ^2/NDF: 7117180.1/62

In: 9612.218+/-1.174 χ^2/NDF:4047136.2/51

Out: 9364.364+/-1.115 χ^2/NDF:5516171.5/58

All: 9481.869+/-0.808 χ^2/NDF: 9586739.8/11

asym_atr2_mean vs Slug, Sign Corrected



Right In: 3436.197+/-2596.785 χ^2/NDF: 31.7/28

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

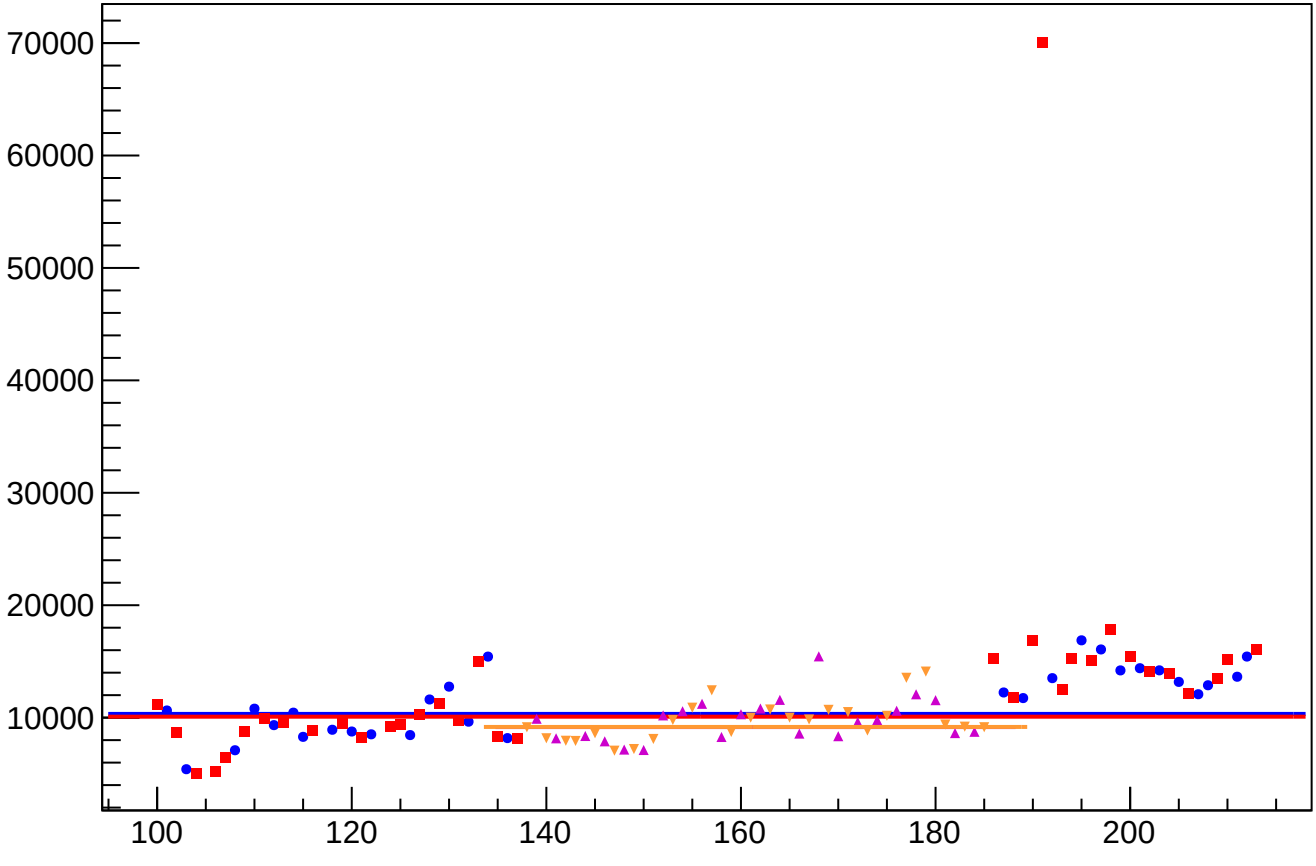
Right: 4054.372+/-1795.051 χ^2/NDF: 66.1/62

In: 3317.387+/-1669.578 χ^2/NDF:45.3/51

Out: 2122.975+/-1614.955 χ^2/NDF:62.3/58

All: 2700.323+/-1160.776 χ^2/NDF: 107.8/110

asym_atr2_rms vs Slug, Sign Corrected



Right In: 10331.409+/-1.836 χ^2/NDF: 3024817.7/28

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

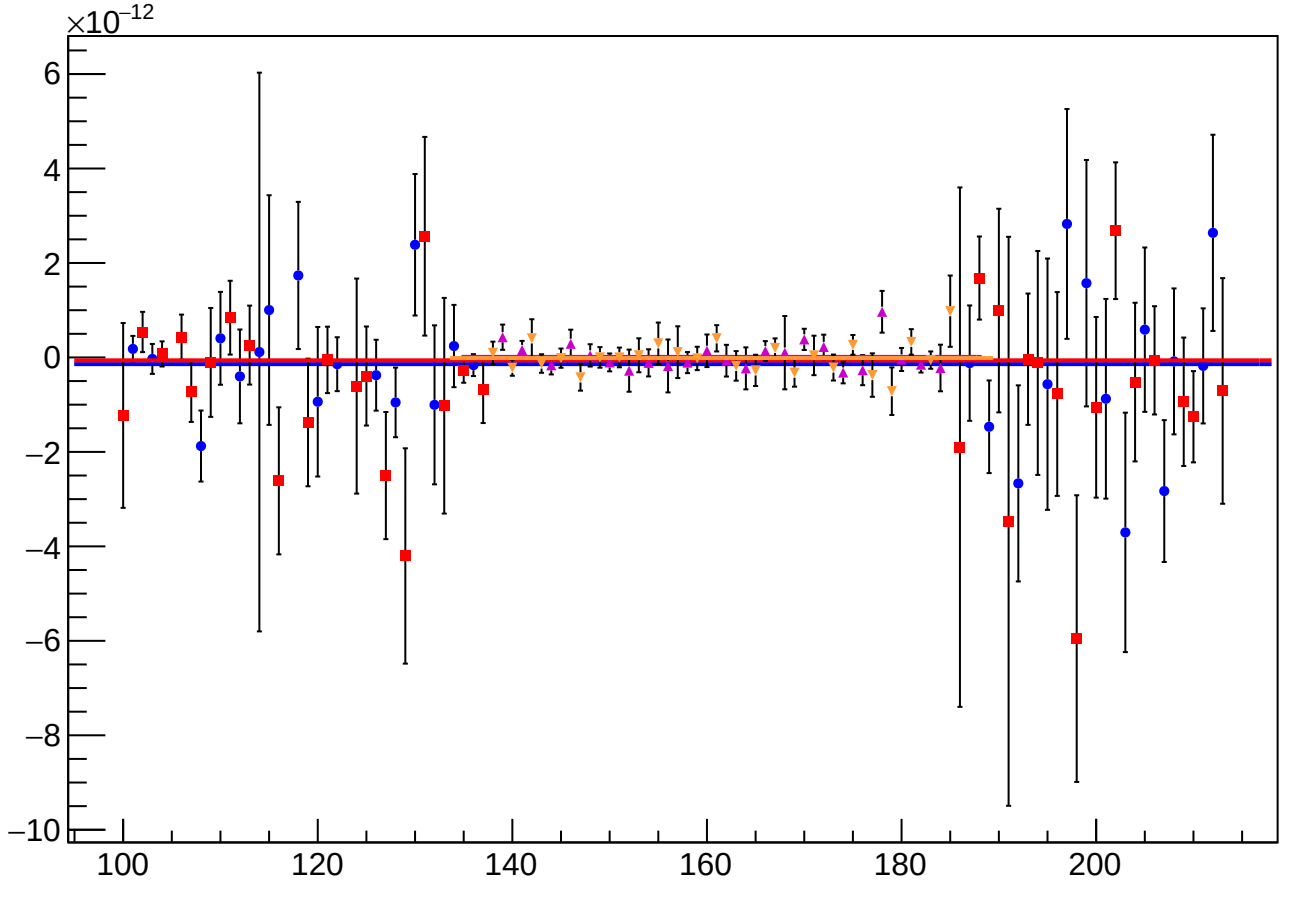
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 10202.795+/-1.269 χ^2/NDF: 7194814.4/62

In: 9645.564+/-1.181 χ^2/NDF:4390171.0/51

Out: 9558.400+/-1.142 χ^2/NDF:5373284.2/58

All: 9600.532+/-0.821 χ^2/NDF: 9766271.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/28

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

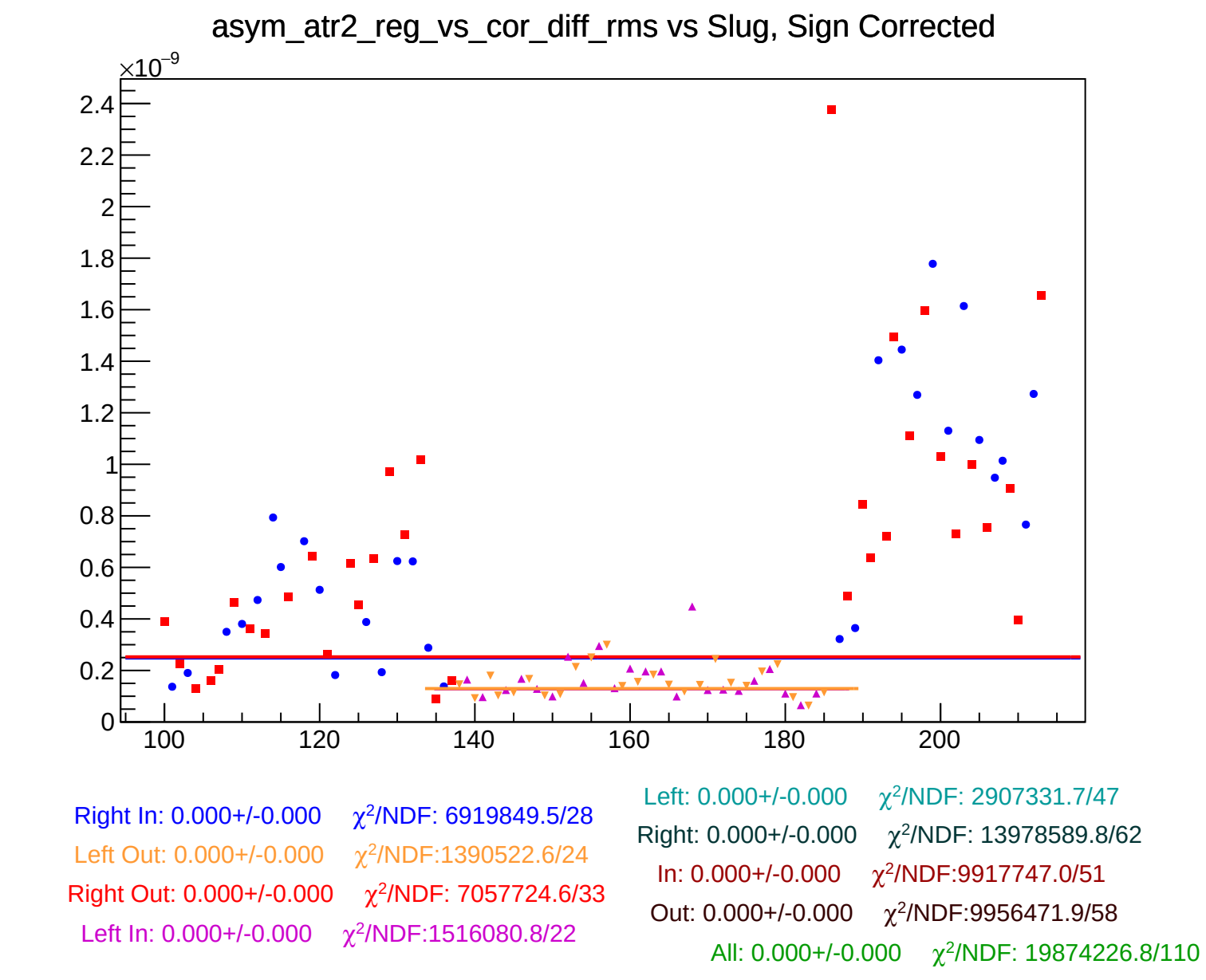
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

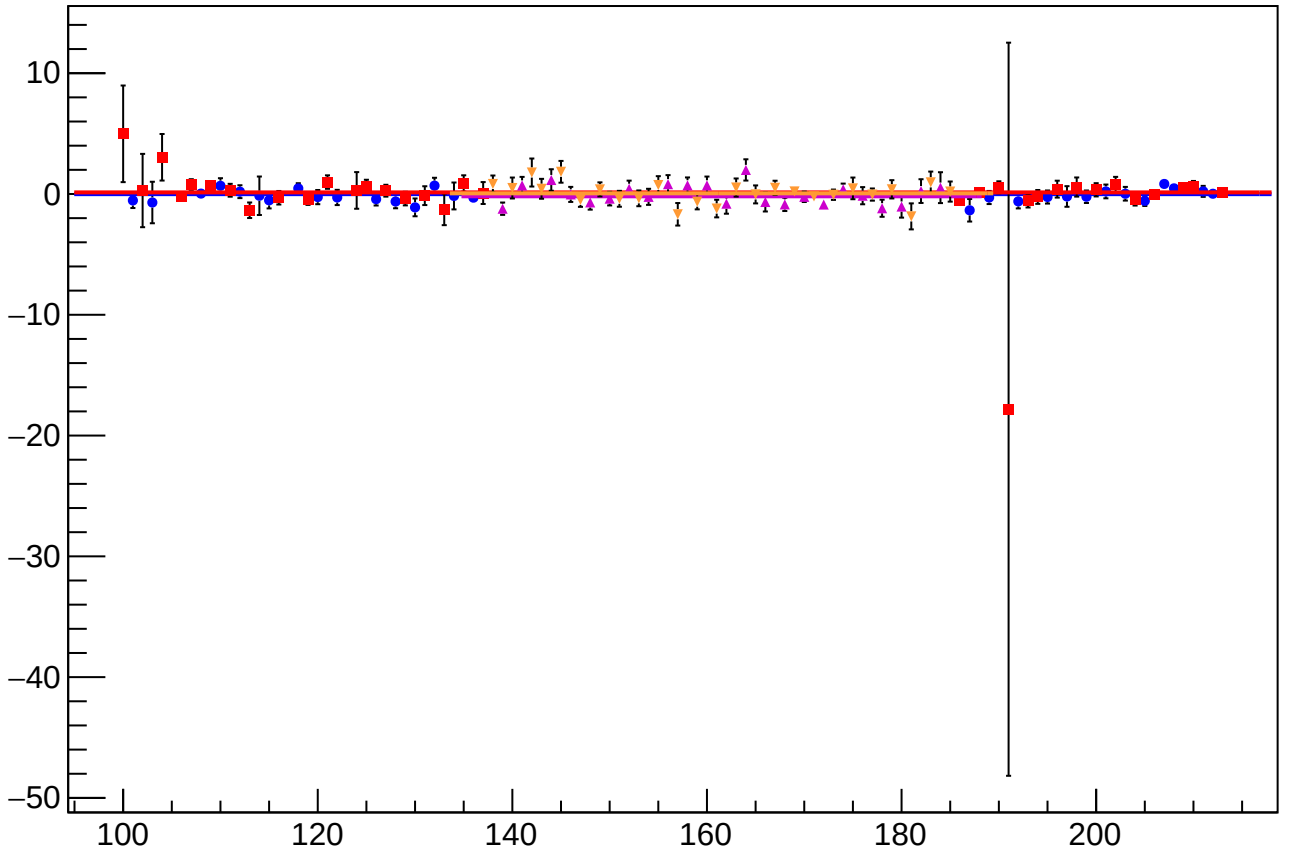
Right: -0.000+/-0.000 χ^2/NDF: 60.5/62

In: -0.000+/-0.000 χ^2/NDF:46.6/51

Out: -0.000+/-0.000 χ^2/NDF:53.6/58

All: -0.000+/-0.000 χ^2/NDF: 100.2/110


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: 6919849.5/28
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: 13978589.8/62
In: 0.000+/-0.000 χ²/NDF:9917747.0/51
Out: 0.000+/-0.000 χ²/NDF:9956471.9/58
All: 0.000+/-0.000 χ²/NDF: 19874226.8/110



Right In: -0.013+/-0.098 χ^2/NDF: 24.3/28

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

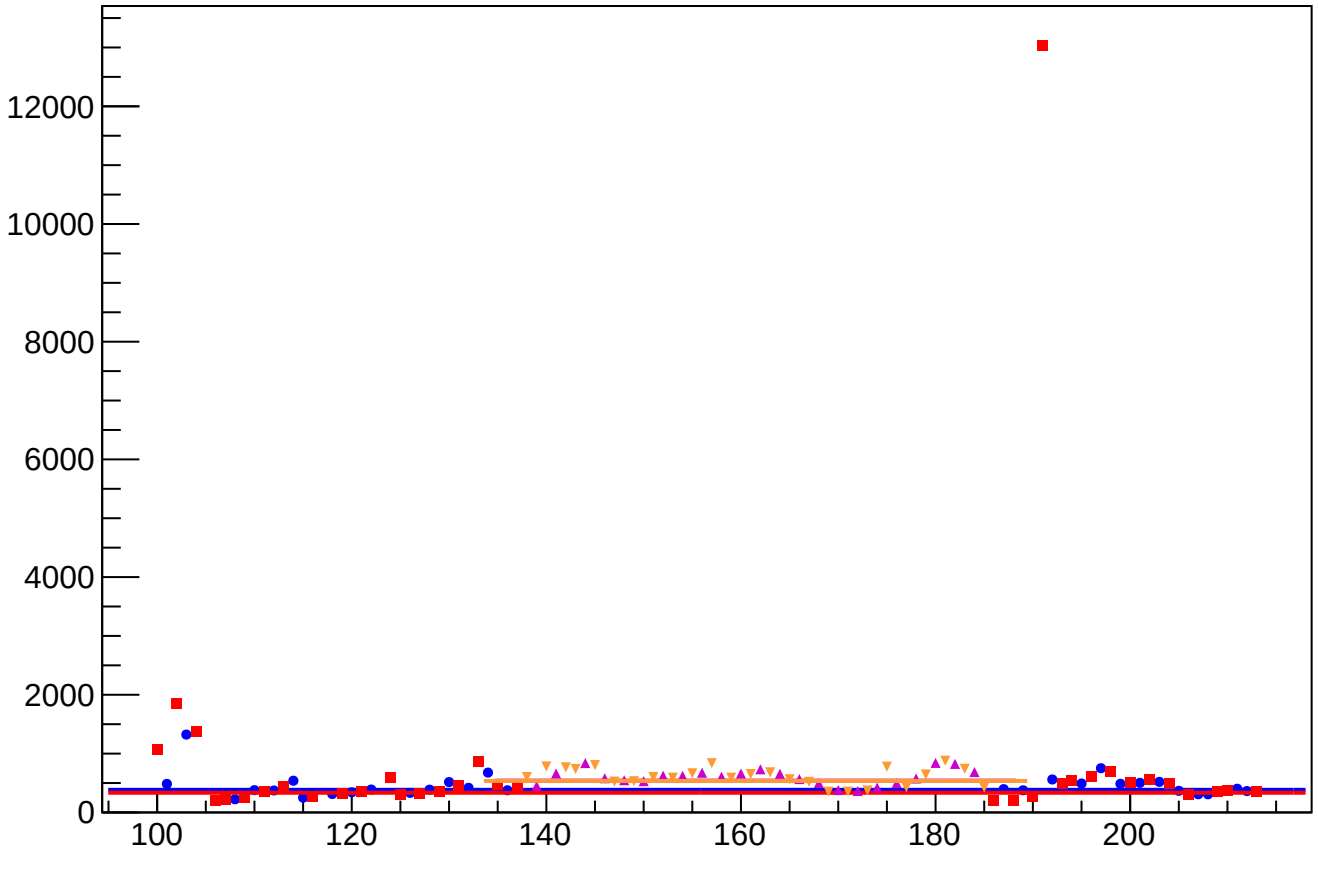
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.069+/-0.065 χ^2/NDF: 62.4/62

In: -0.075+/-0.079 χ^2/NDF:56.7/51

Out: 0.108+/-0.072 χ^2/NDF:61.7/58

All: 0.025+/-0.053 χ^2/NDF: 121.4/110



Right In: 384.613+/-0.069 χ^2/NDF: 2546816.7/28

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

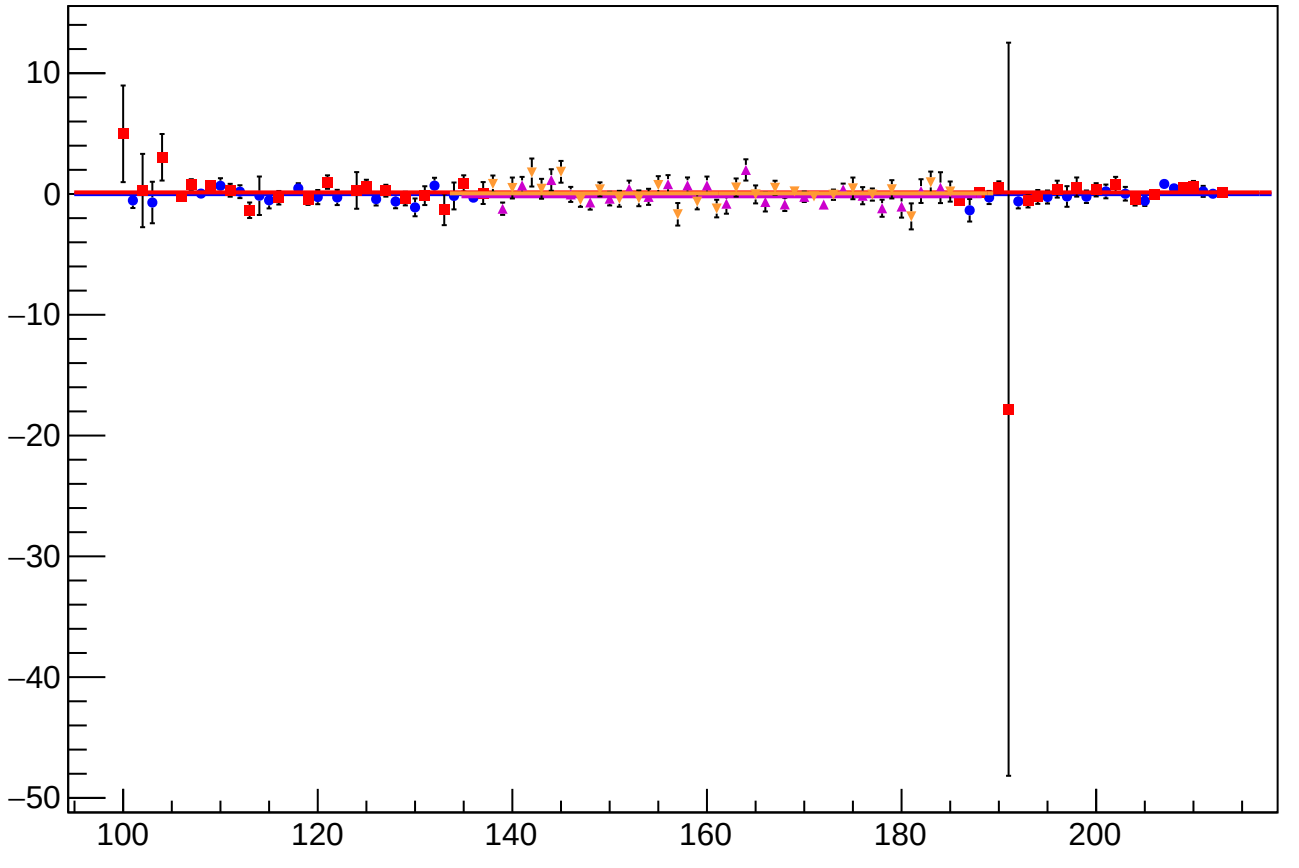
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 356.602+/-0.046 χ^2/NDF: 8344752.7/62

In: 439.576+/-0.056 χ^2/NDF:6235859.9/51

Out: 396.802+/-0.051 χ^2/NDF:11594570.5/58

All: 416.177+/-0.038 χ^2/NDF: 18151361.7/11



Right In: -0.013+/-0.098 χ^2/NDF: 24.3/28

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

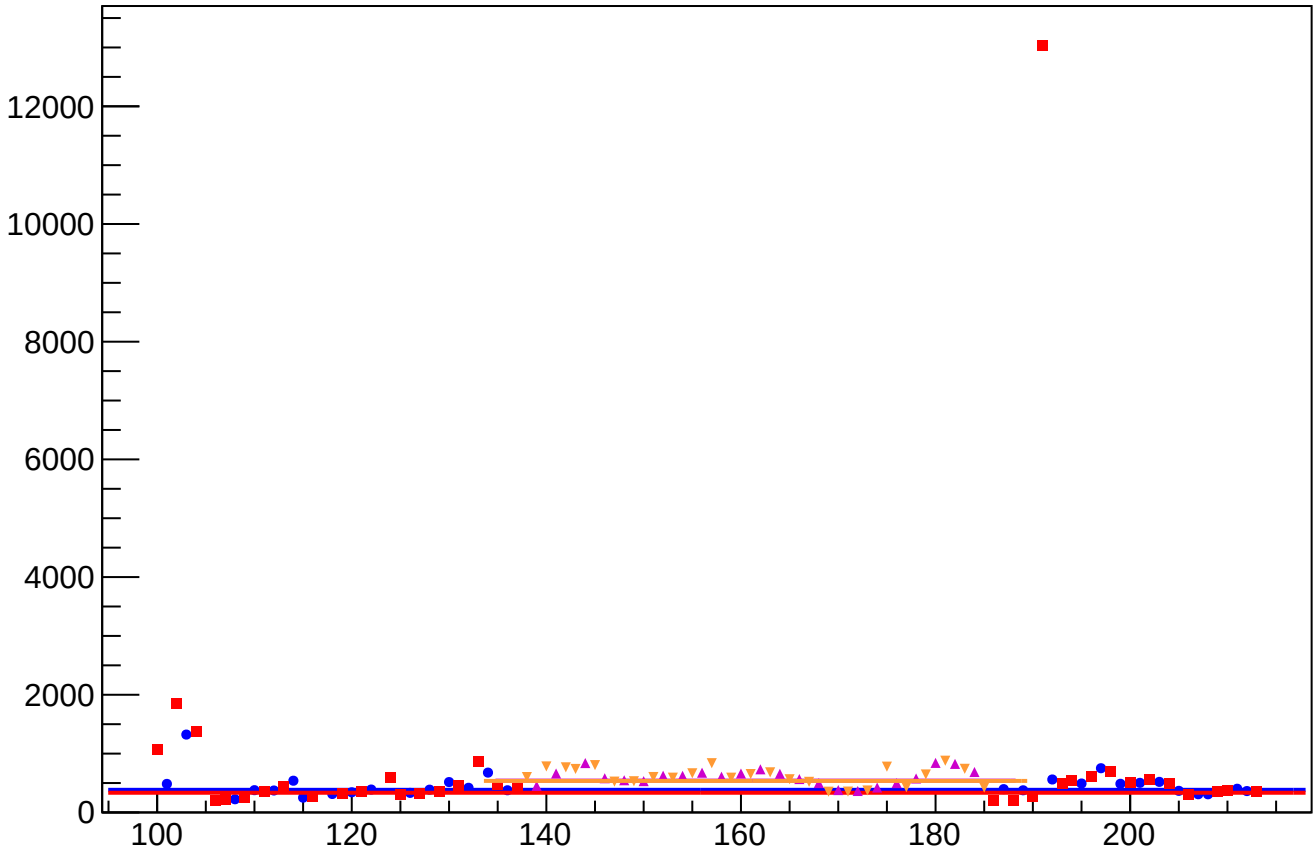
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.069+/-0.065 χ^2/NDF: 62.4/62

In: -0.075+/-0.079 χ^2/NDF:56.7/51

Out: 0.108+/-0.072 χ^2/NDF:61.7/58

All: 0.025+/-0.053 χ^2/NDF: 121.4/110



Right In: 384.613+/-0.069 χ^2/NDF: 2546816.7/28

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

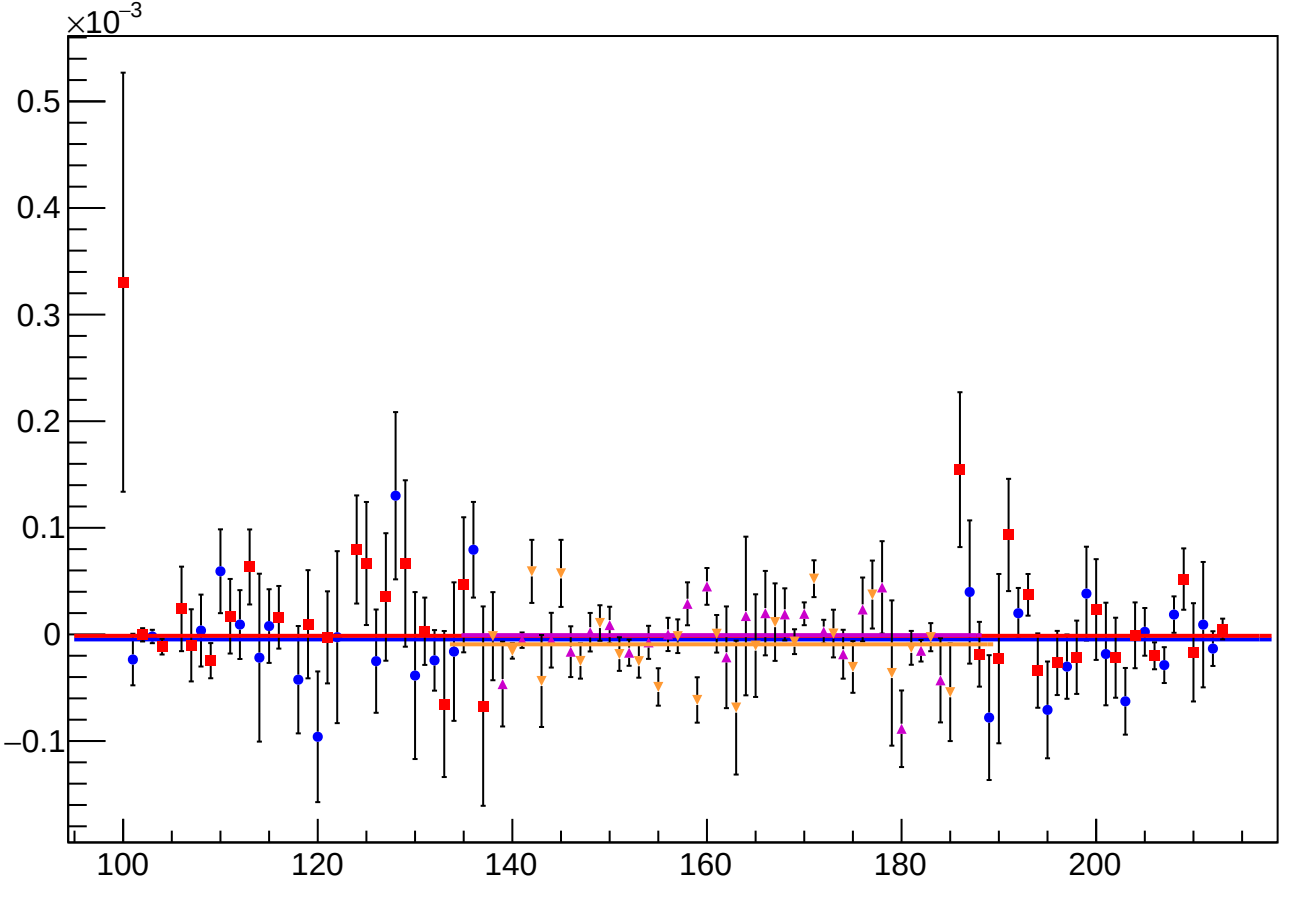
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 356.602+/-0.046 χ^2/NDF: 8344752.7/62

In: 439.576+/-0.056 χ^2/NDF:6235859.9/51

Out: 396.802+/-0.051 χ^2/NDF:11594570.5/58

All: 416.177+/-0.038 χ^2/NDF: 18151361.7/1



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/28

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.1/33

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

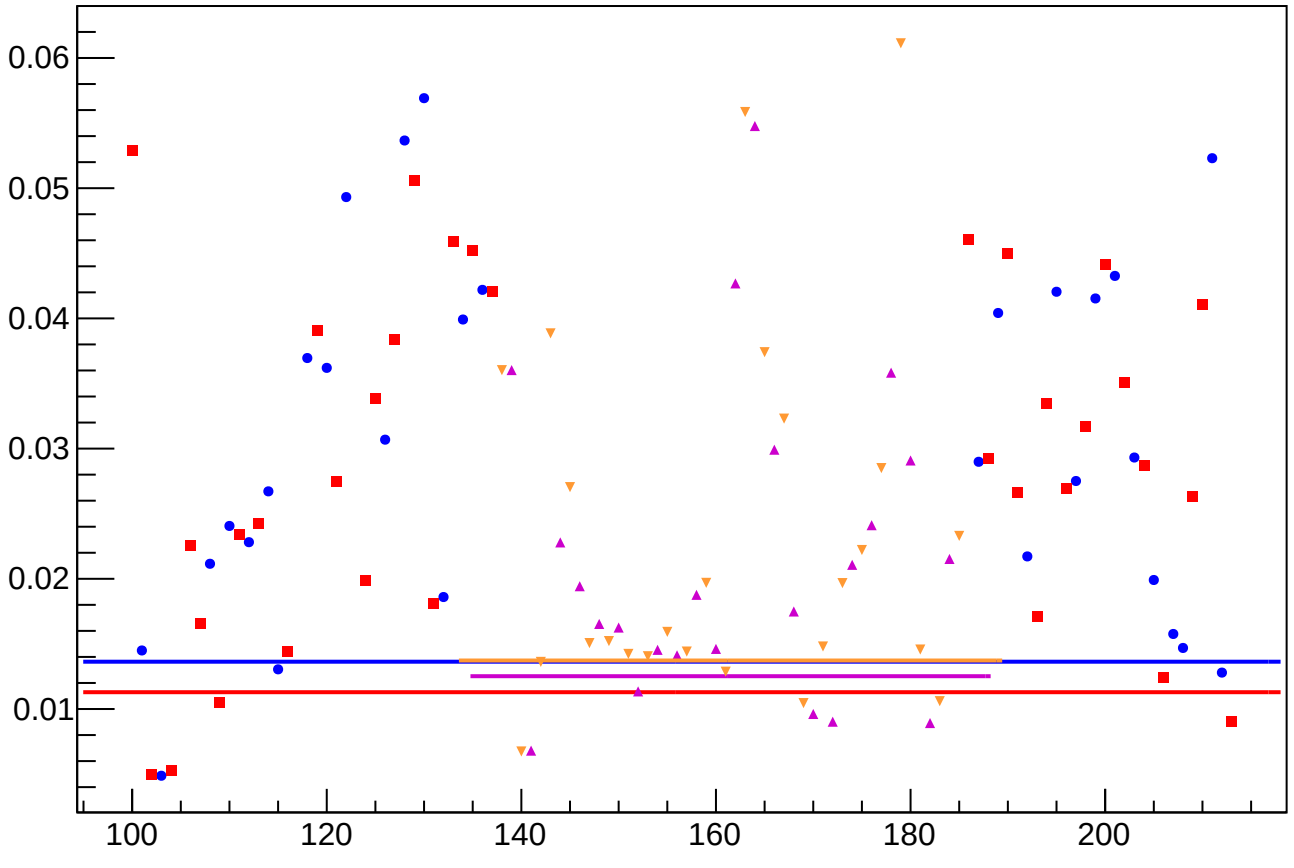
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 68.2/62

In: -0.000+/-0.000 χ^2/NDF:59.2/51

Out: -0.000+/-0.000 χ^2/NDF:86.8/58

All: -0.000+/-0.000 χ^2/NDF: 146.7/110



Right In: 0.014+/-0.000 χ^2/NDF: 13129642.4/28

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

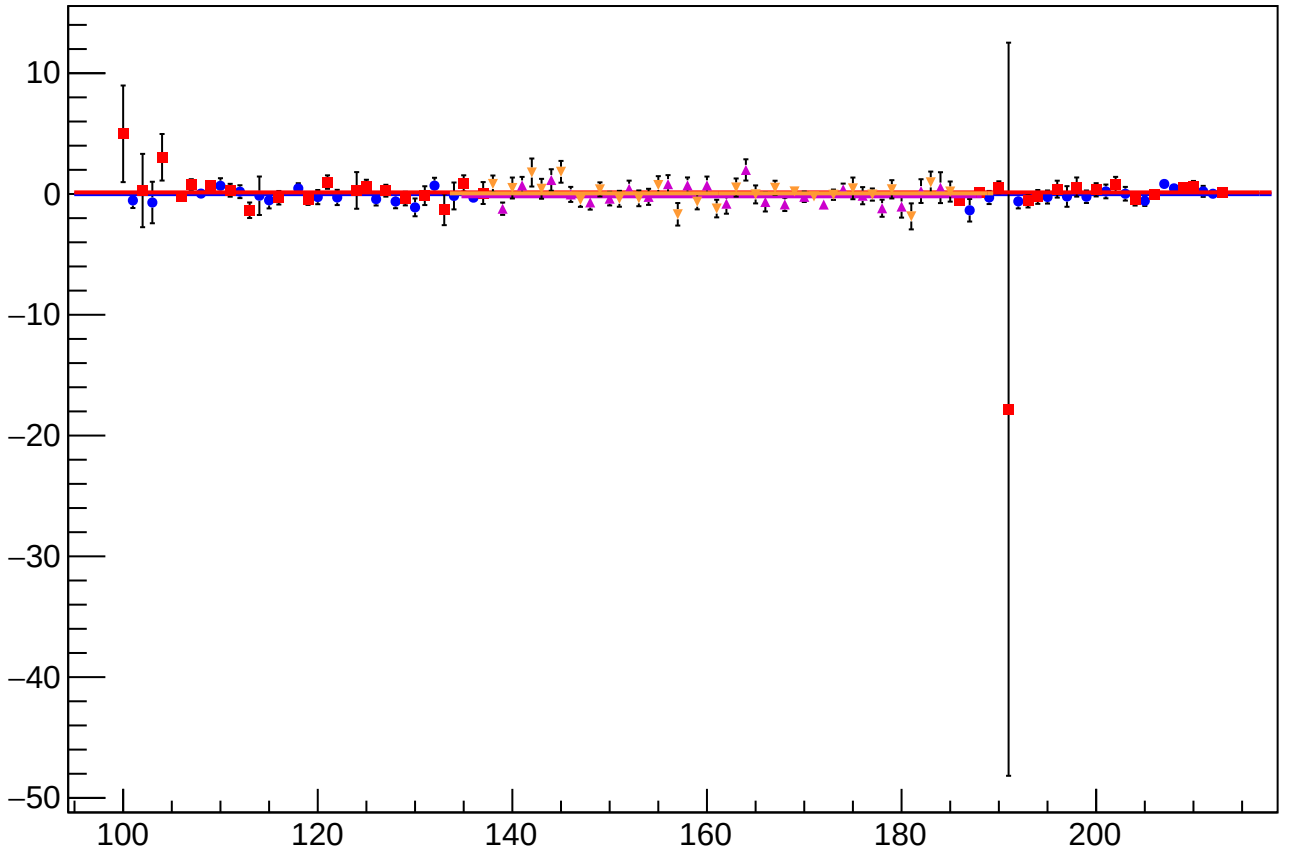
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 29090337.9/62

In: 0.013+/-0.000 χ^2/NDF:20332052.0/51

Out: 0.012+/-0.000 χ^2/NDF:23797569.2/58

All: 0.013+/-0.000 χ^2/NDF: 44165495.5/110



Right In: -0.013+/-0.098 χ^2/NDF: 24.3/28

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

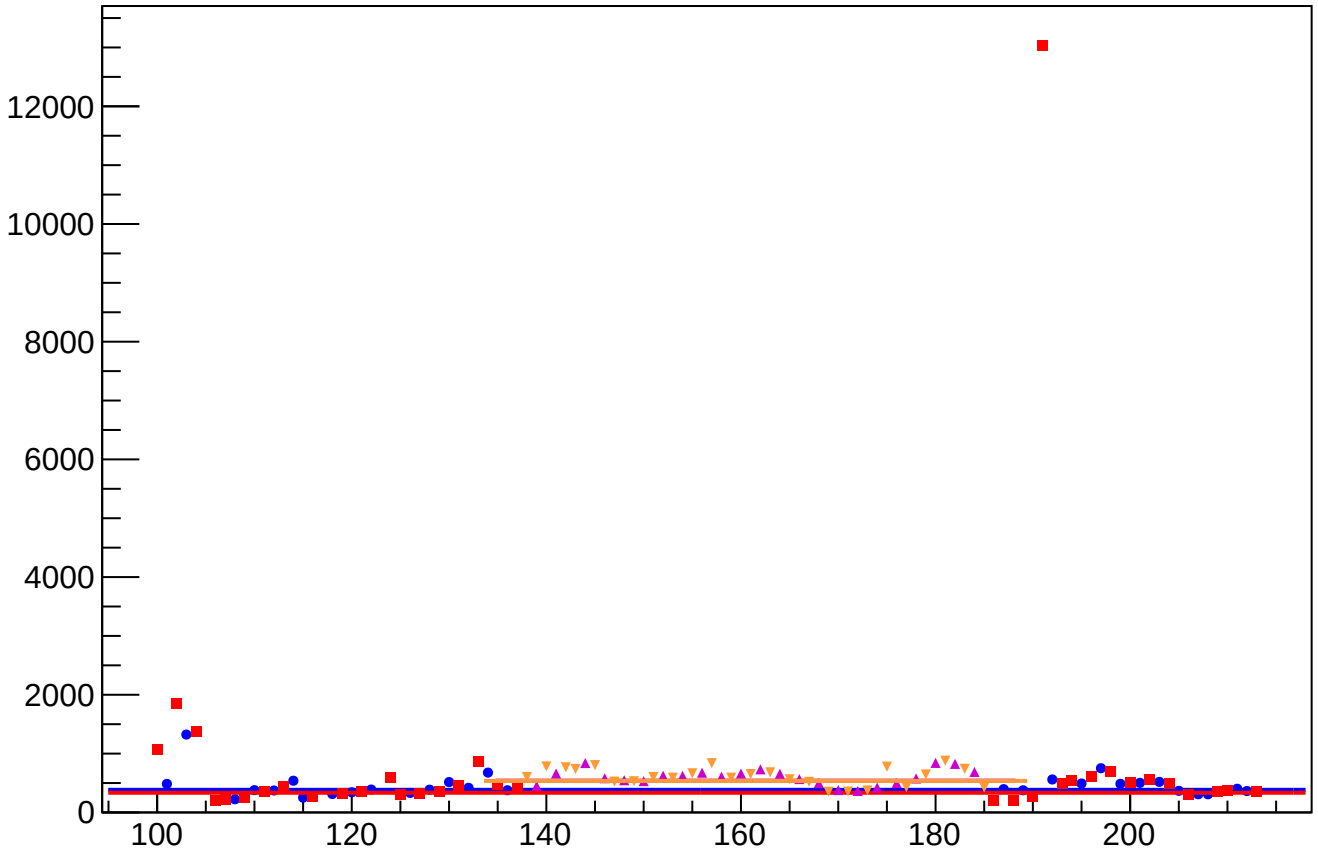
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.069+/-0.065 χ^2/NDF: 62.4/62

In: -0.075+/-0.079 χ^2/NDF:56.7/51

Out: 0.108+/-0.072 χ^2/NDF:61.7/58

All: 0.025+/-0.053 χ^2/NDF: 121.4/110



Right In: 384.611+/-0.069 χ^2/NDF: 2546849.7/28

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

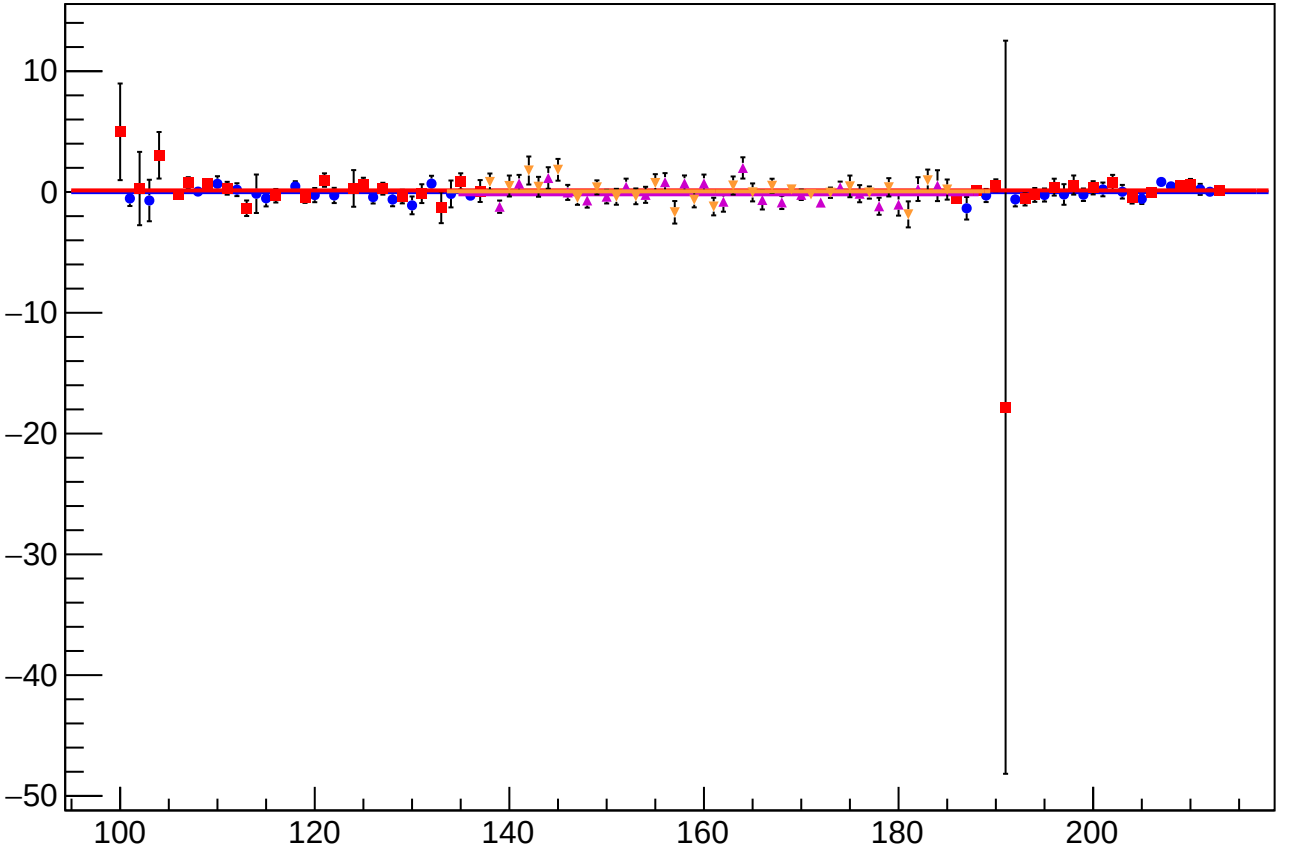
Right: 356.600+/-0.046 χ^2/NDF: 8344733.5/62

In: 439.575+/-0.056 χ^2/NDF:6236076.3/51

Out: 396.801+/-0.051 χ^2/NDF:11594751.9/58

All: 416.177+/-0.038 χ^2/NDF: 18151753.3/11

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.098 χ^2/NDF: 24.3/28

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

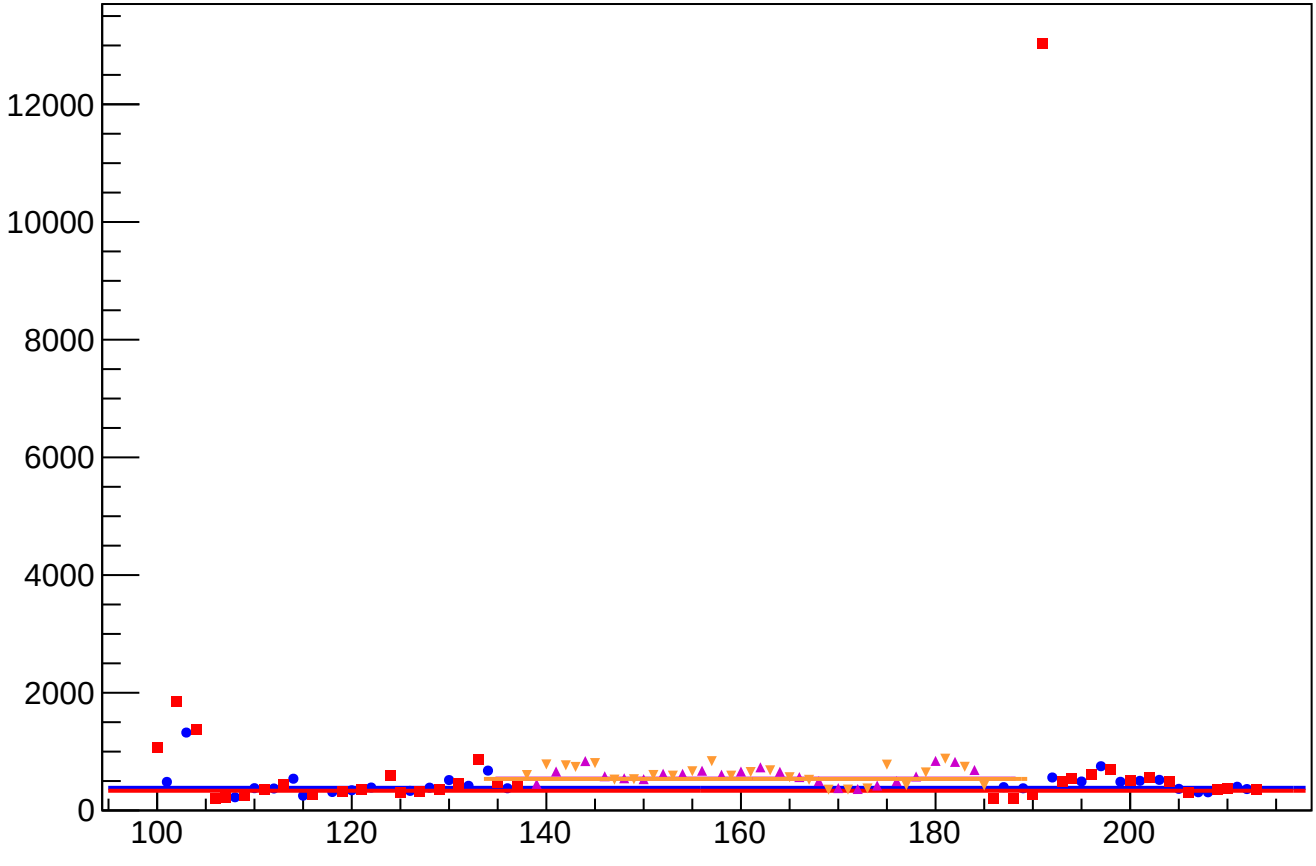
Right: 0.069+/-0.065 χ^2/NDF: 62.4/62

In: -0.075+/-0.079 χ^2/NDF:56.7/51

Out: 0.108+/-0.072 χ^2/NDF:61.7/58

All: 0.025+/-0.053 χ^2/NDF: 121.4/110

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 384.611+/-0.069 χ^2/NDF: 2546849.7/28

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

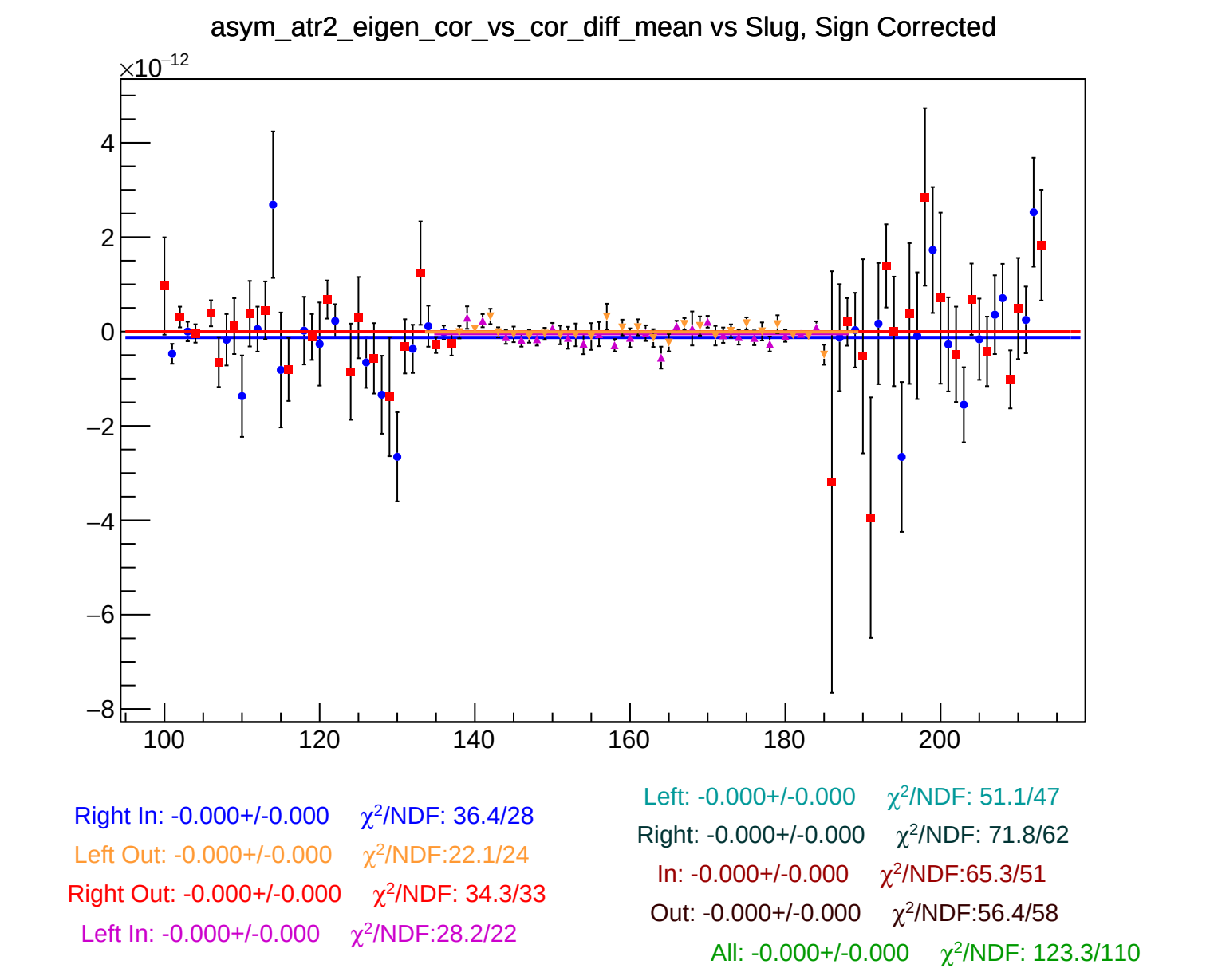
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

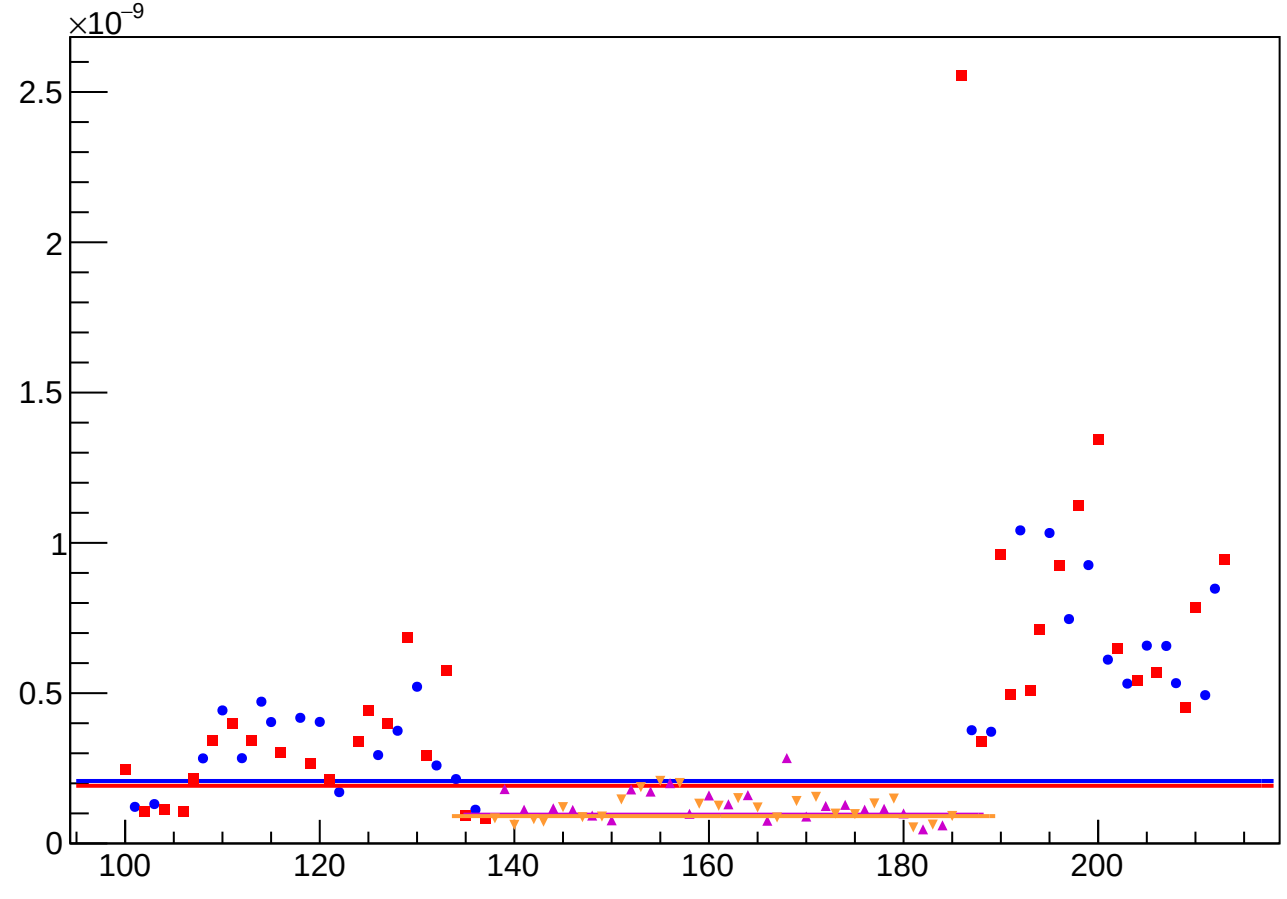
Right: 356.600+/-0.046 χ^2/NDF: 8344733.5/62

In: 439.575+/-0.056 χ^2/NDF:6236076.3/51

Out: 396.801+/-0.051 χ^2/NDF:11594751.9/58

All: 416.177+/-0.038 χ^2/NDF: 18151753.3/11


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: 36.4/28
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: 71.8/62
In: -0.000+/-0.000 χ²/NDF:65.3/51
Out: -0.000+/-0.000 χ²/NDF:56.4/58
All: -0.000+/-0.000 χ²/NDF: 123.3/110



Right In: 0.000+/-0.000 χ^2/NDF: 8063541.1/28

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

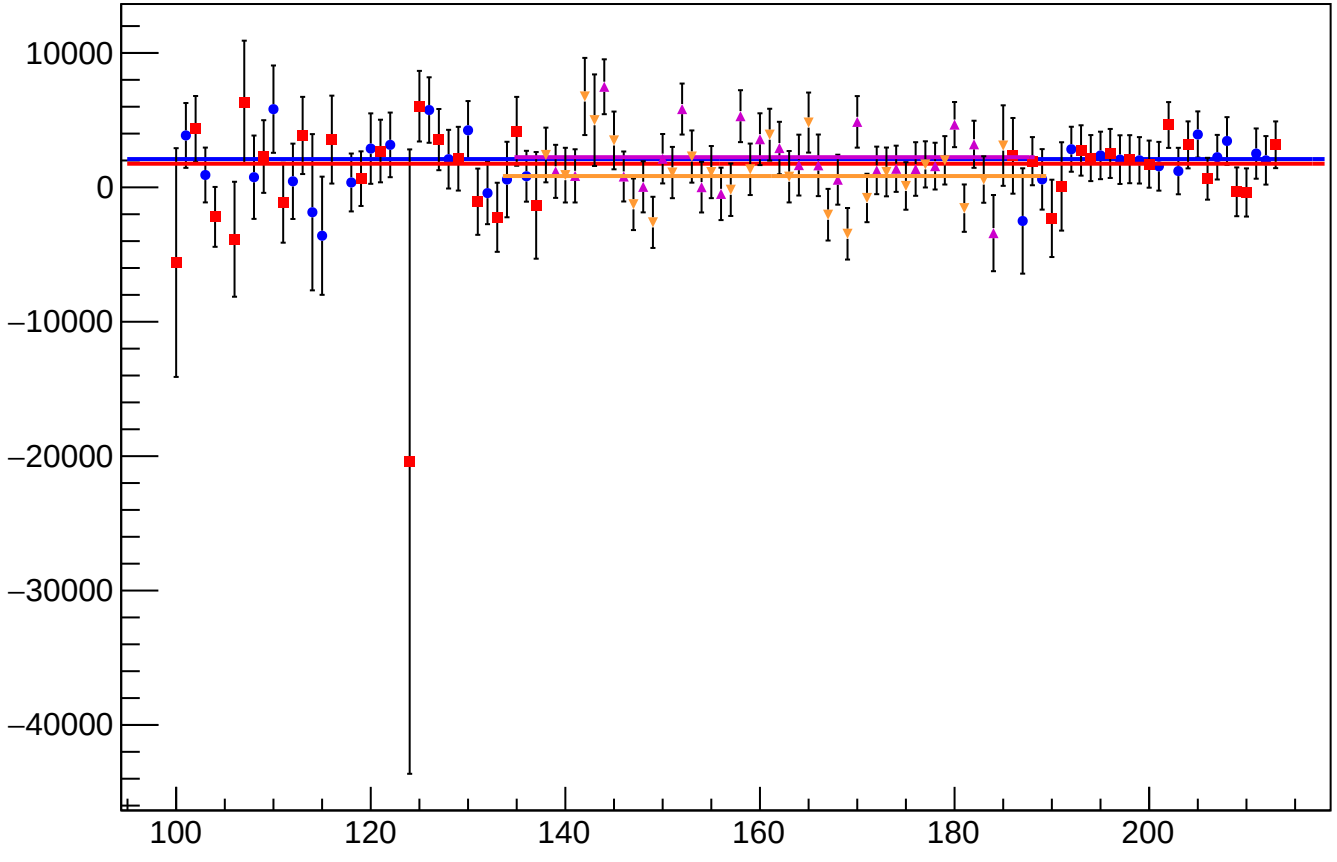
Right: 0.000+/-0.000 χ^2/NDF: 18113008.0/62

In: 0.000+/-0.000 χ^2/NDF:15227330.0/51

Out: 0.000+/-0.000 χ^2/NDF:16277562.2/58

All: 0.000+/-0.000 χ^2/NDF: 31558764.5/110

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2104.567+/-396.283 χ^2/NDF: 15.1/28

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

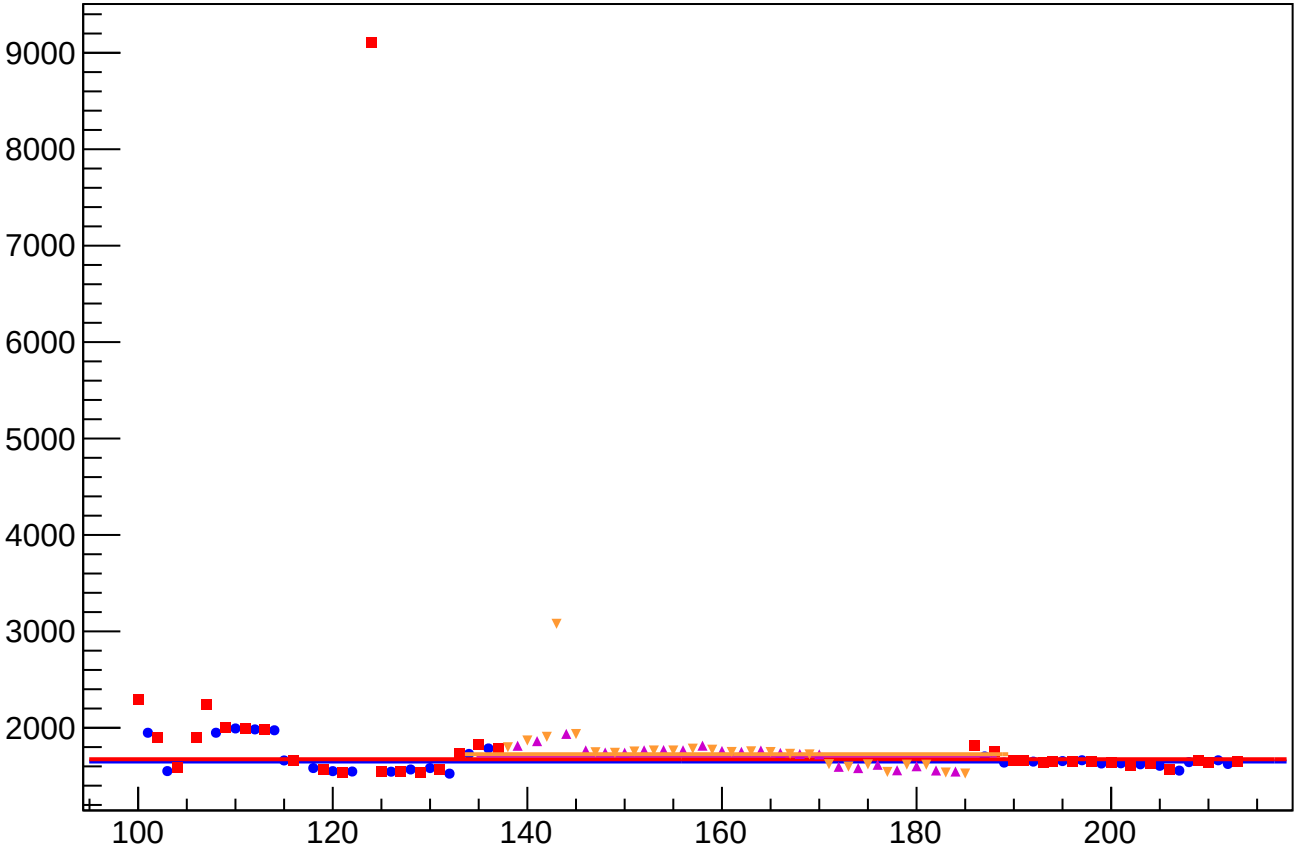
Right: 1927.631+/-276.942 χ^2/NDF: 45.3/62

In: 2174.017+/-281.782 χ^2/NDF:44.6/51

Out: 1308.664+/-276.312 χ^2/NDF:62.9/58

All: 1732.861+/-197.288 χ^2/NDF: 112.3/110

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1650.451+/-0.280 χ^2/NDF: 155364.1/28

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

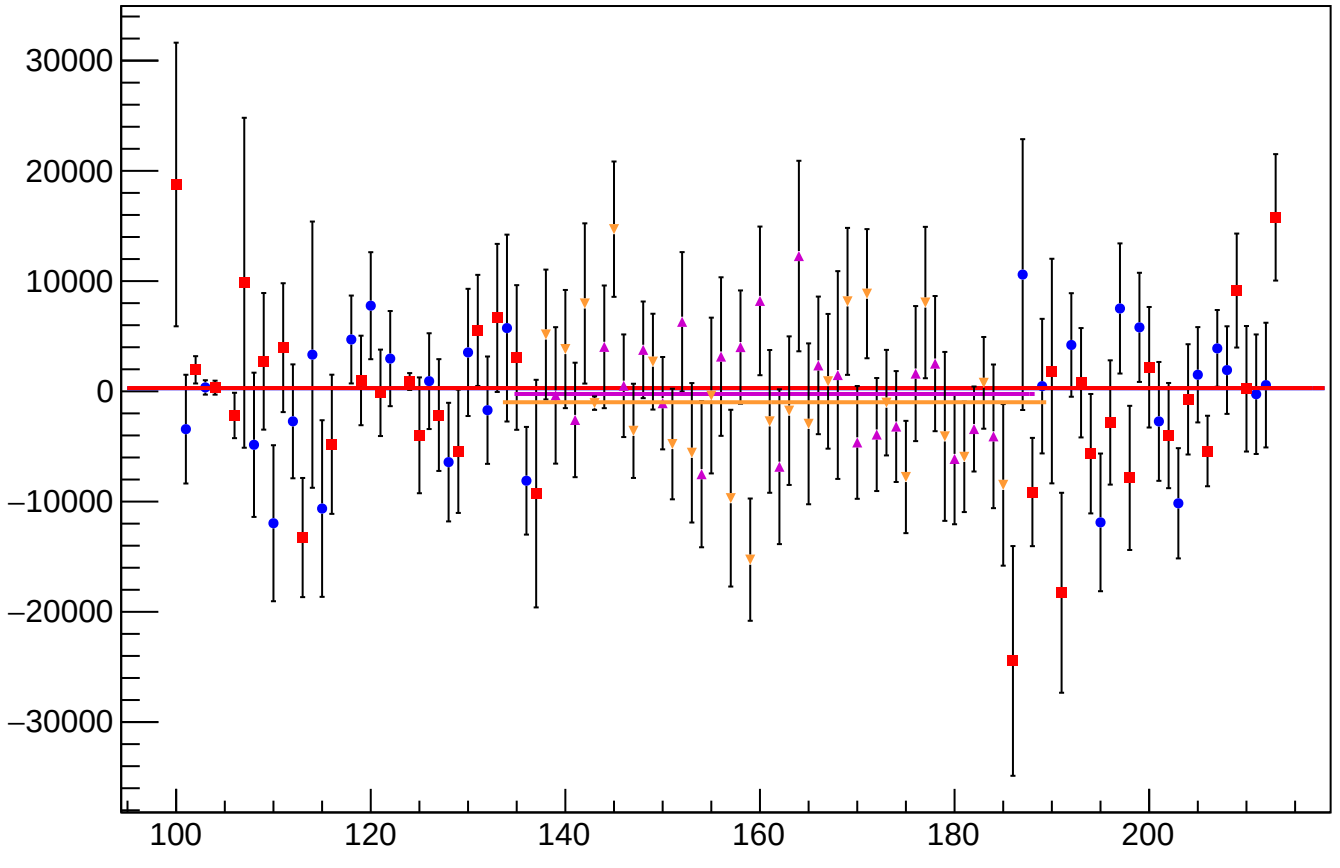
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1662.565+/-0.196 χ^2/NDF: 578225.8/62

In: 1681.452+/-0.199 χ^2/NDF:309411.1/51

Out: 1699.546+/-0.195 χ^2/NDF:891856.7/58

All: 1690.684+/-0.139 χ^2/NDF: 1205475.9/11



Right In: 277.540+/-544.720 χ^2/NDF: 29.8/28

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

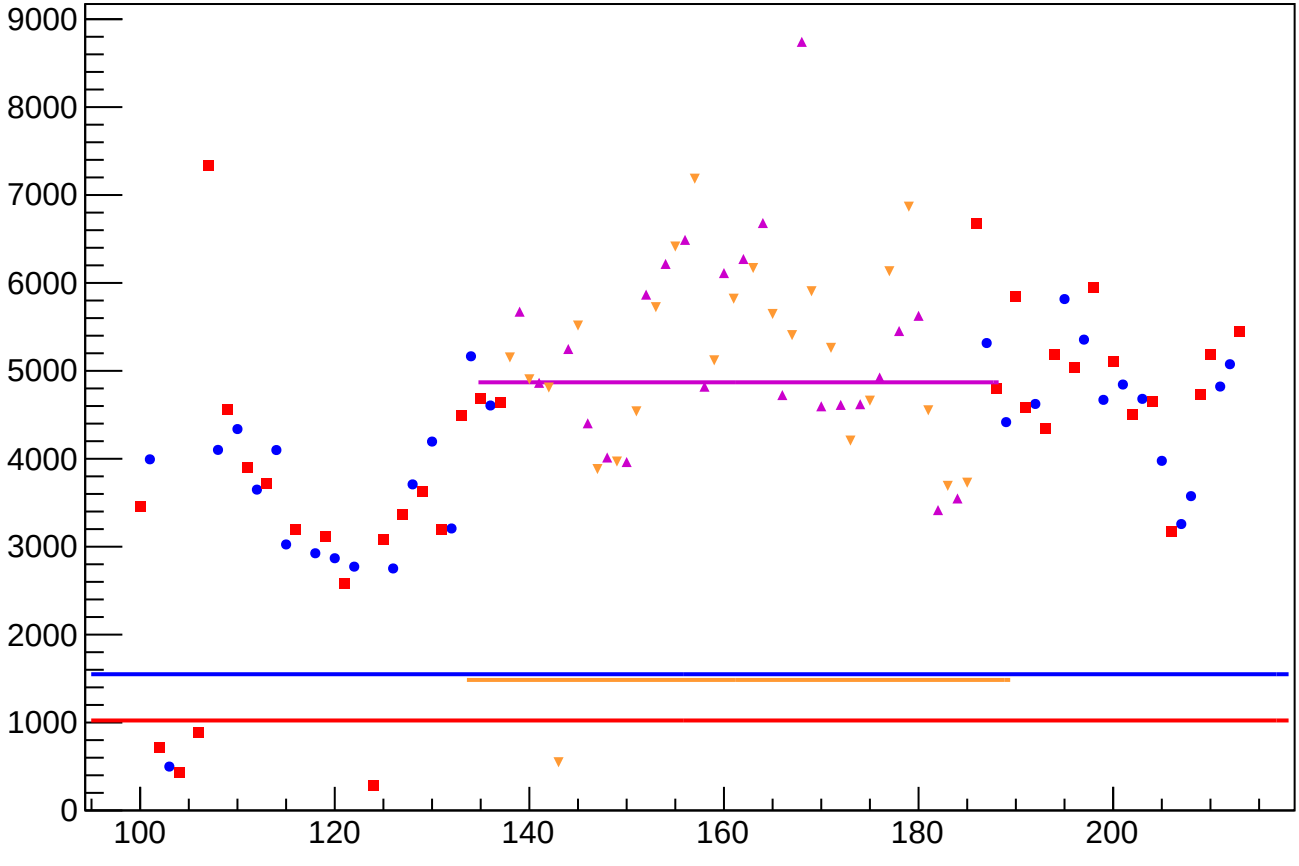
Right: 291.609+/-325.679 χ^2/NDF: 79.6/62

In: 184.774+/-493.449 χ^2/NDF:43.5/51

Out: -164.427+/-324.933 χ^2/NDF:84.3/58

All: -58.807+/-271.380 χ^2/NDF: 128.1/110

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1549.456+/-0.385 χ^2/NDF: 18293260.7/28

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

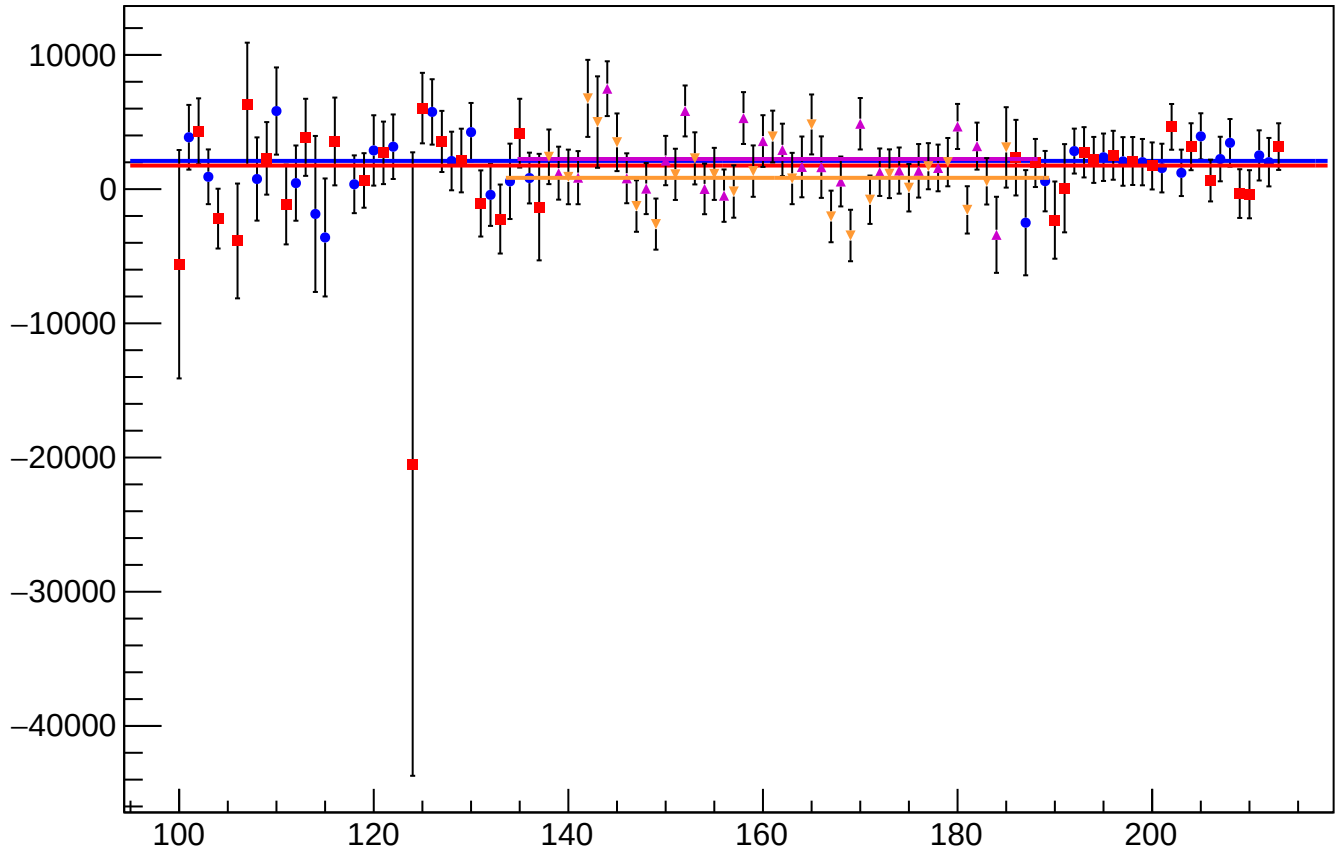
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1211.454+/-0.230 χ^2/NDF: 43547907.3/62

In: 2145.074+/-0.349 χ^2/NDF:33097249.4/51

Out: 1189.613+/-0.230 χ^2/NDF:48209724.7/58

All: 1478.604+/-0.192 χ^2/NDF: 86537434.1/1



Right In: 2104.638+/-396.283 χ^2/NDF: 15.1/28

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

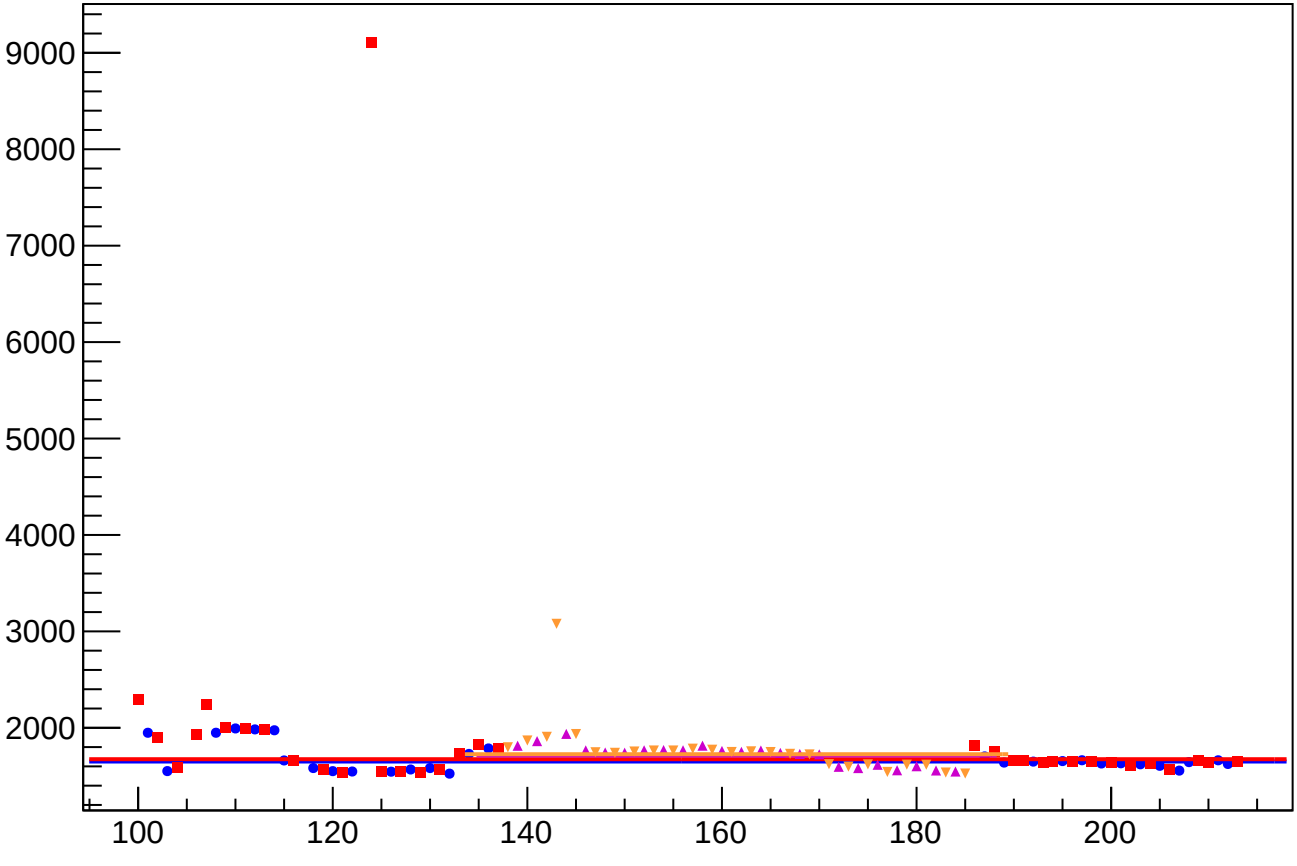
Right: 1927.219+/-276.943 χ^2/NDF: 45.2/62

In: 2174.062+/-281.782 χ^2/NDF:44.6/51

Out: 1308.214+/-276.313 χ^2/NDF:62.9/58

All: 1732.654+/-197.288 χ^2/NDF: 112.3/110

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1650.451+/-0.280 χ^2/NDF: 155364.1/28

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

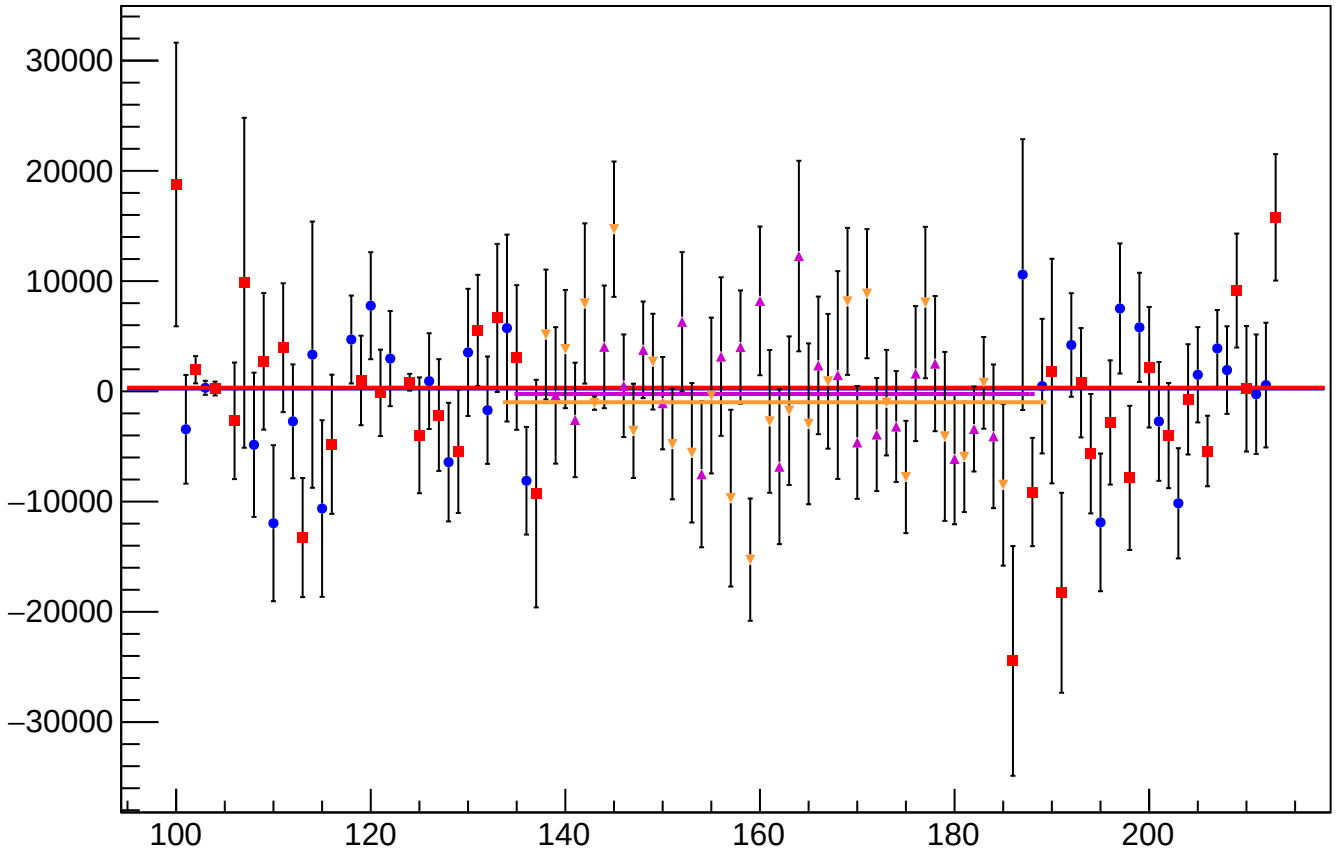
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1662.711+/-0.196 χ^2/NDF: 580411.5/62

In: 1681.452+/-0.199 χ^2/NDF:309411.2/51

Out: 1699.698+/-0.195 χ^2/NDF:893753.9/58

All: 1690.761+/-0.139 χ^2/NDF: 1207443.8/11



Right In: 255.177+/-535.112 χ^2/NDF: 29.8/28

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 330.687+/-411.395 χ^2/NDF: 48.6/33

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

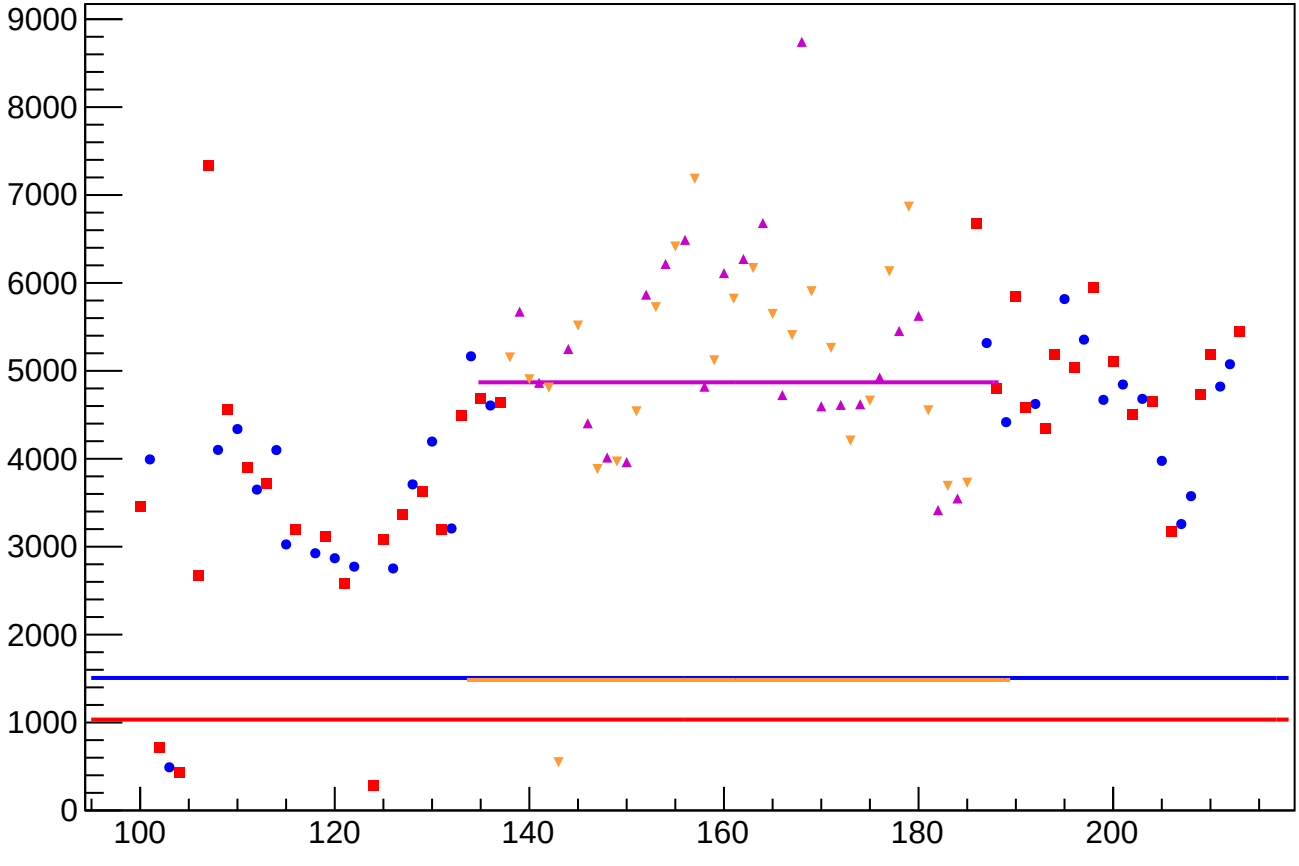
Right: 302.636+/-326.149 χ^2/NDF: 78.4/62

In: 169.003+/-486.272 χ^2/NDF:43.5/51

Out: -151.946+/-327.520 χ^2/NDF:83.2/58

All: -51.786+/-271.649 χ^2/NDF: 127.0/110

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1506.993+/-0.378 χ^2/NDF: 18634532.6/28

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

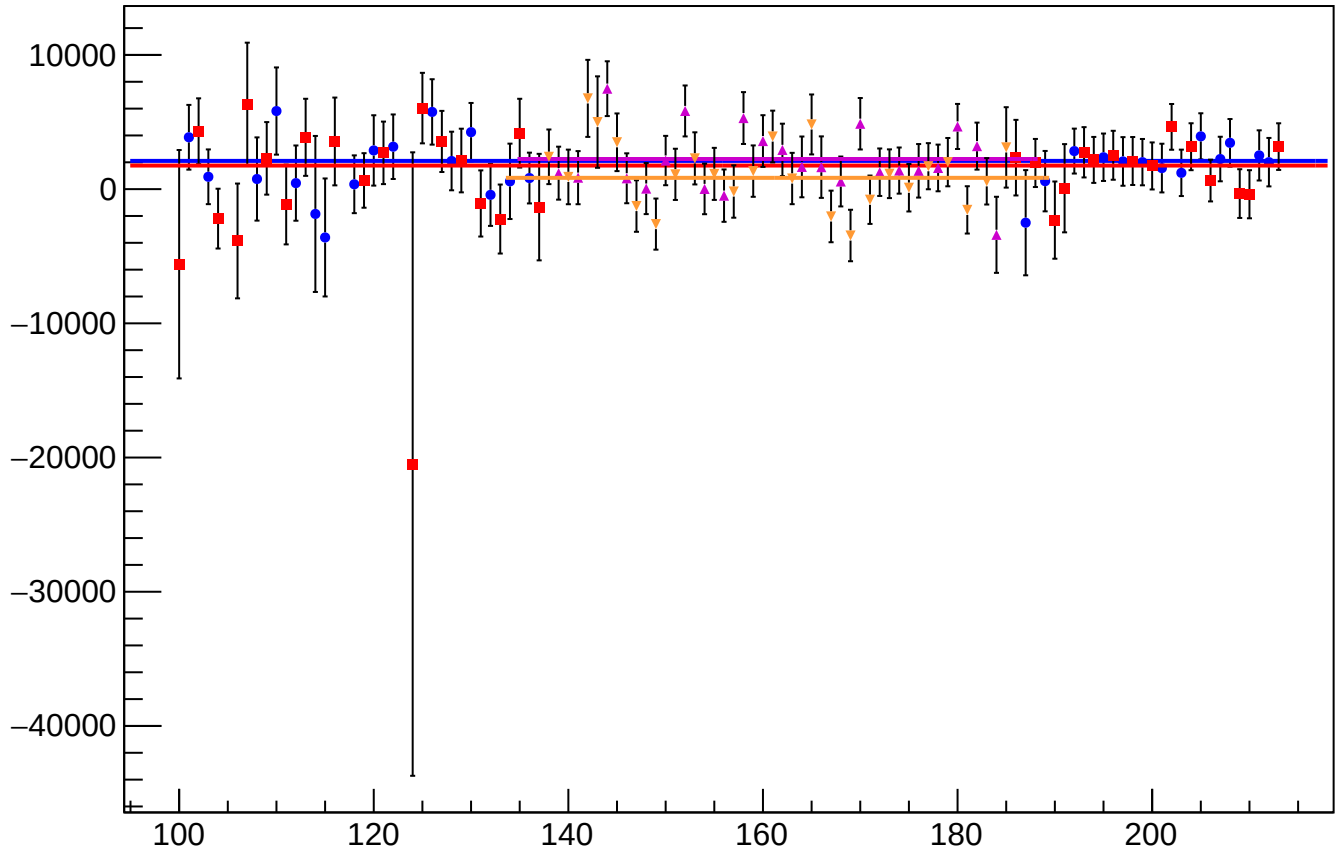
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1209.381+/-0.231 χ^2/NDF: 43906462.5/62

In: 2092.811+/-0.344 χ^2/NDF:33867947.2/51

Out: 1198.632+/-0.232 χ^2/NDF:48393422.9/58

All: 1477.682+/-0.192 χ^2/NDF: 86913600.2/1



Right In: 2104.638+/-396.283 χ^2/NDF: 15.1/28

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

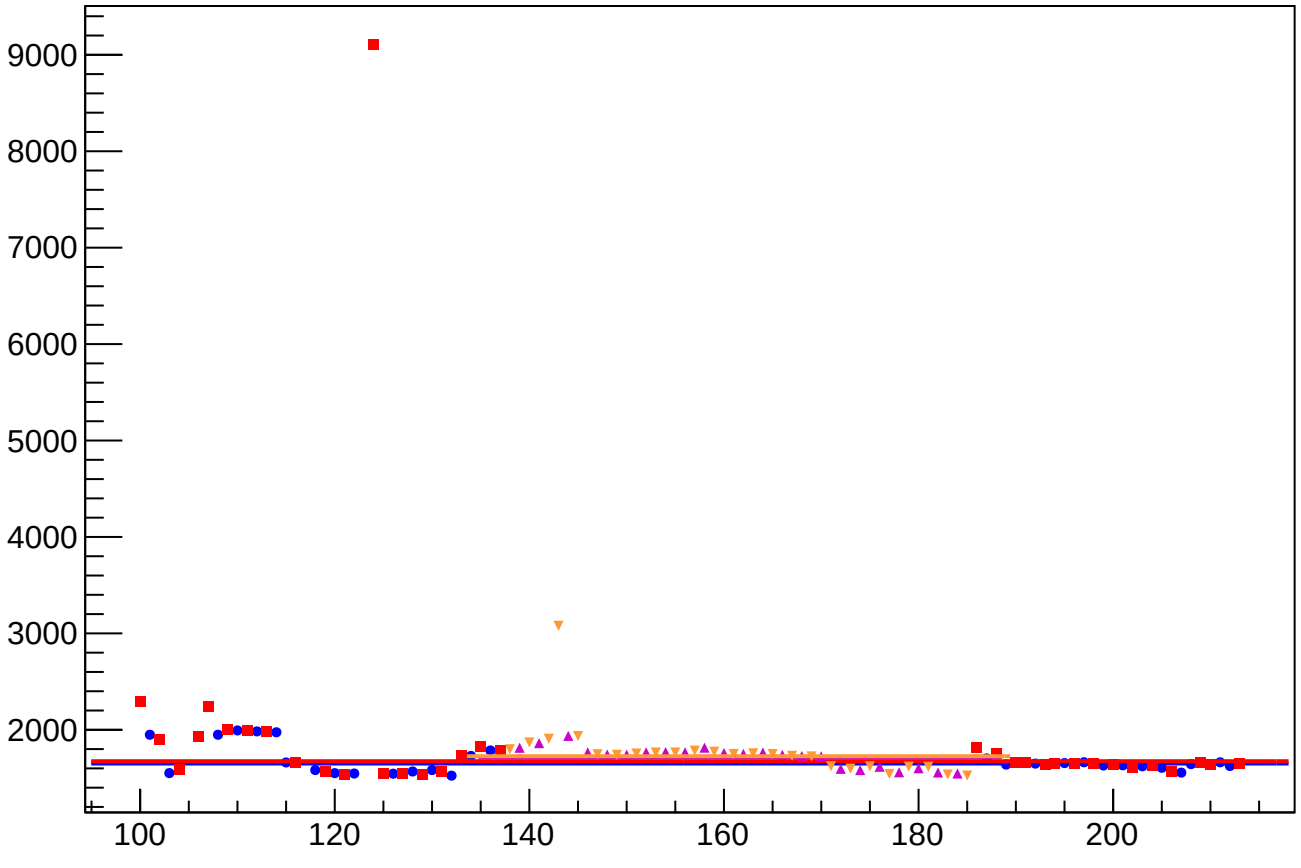
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1927.219+/-276.943 χ^2/NDF: 45.2/62

In: 2174.062+/-281.782 χ^2/NDF:44.6/51

Out: 1308.214+/-276.313 χ^2/NDF:62.9/58

All: 1732.654+/-197.288 χ^2/NDF: 112.3/110



Right In: 1650.451+/-0.280 χ^2/NDF: 155364.1/28

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

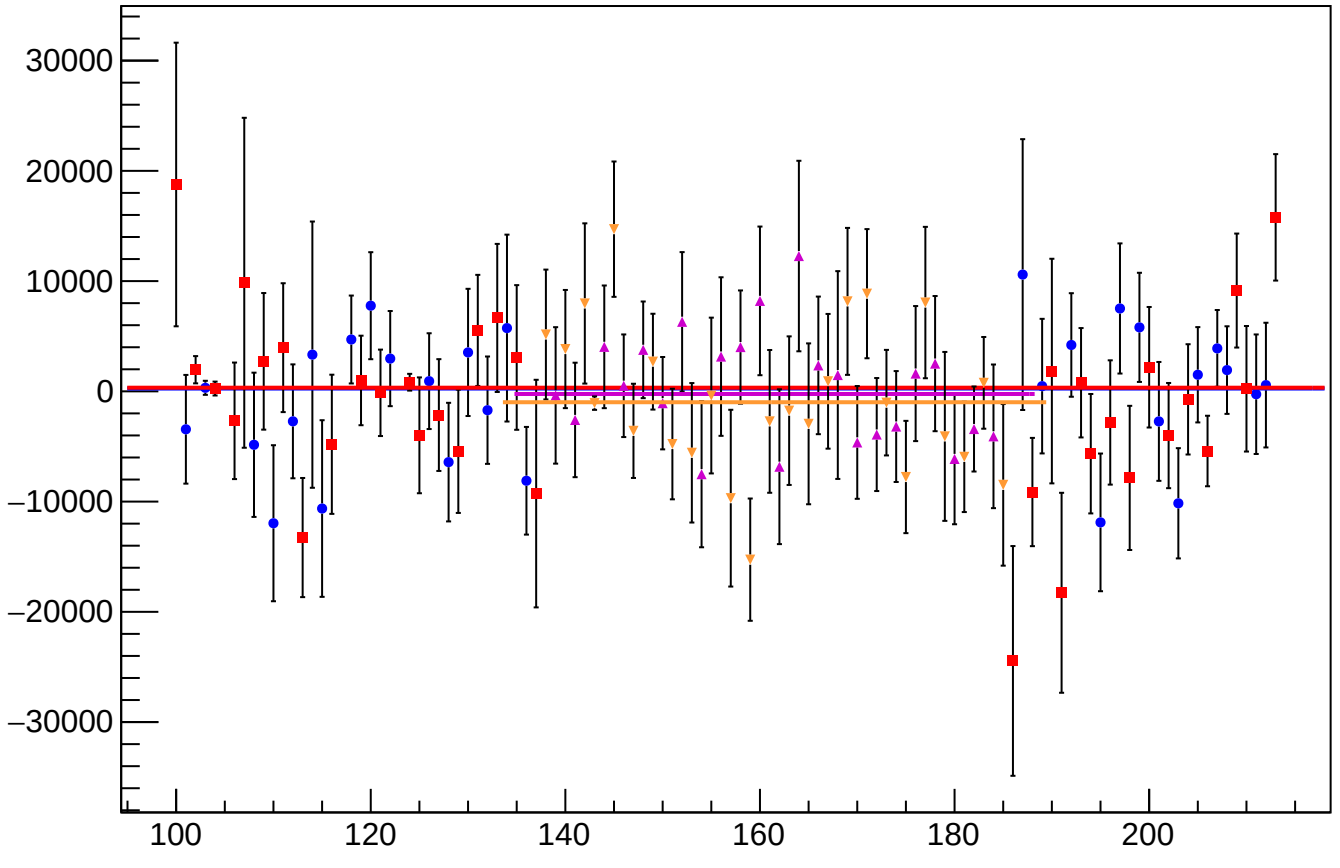
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1662.711+/-0.196 χ^2/NDF: 580411.5/62

In: 1681.452+/-0.199 χ^2/NDF:309411.2/51

Out: 1699.698+/-0.195 χ^2/NDF:893753.9/58

All: 1690.761+/-0.139 χ^2/NDF: 1207443.8/11



Right In: 255.177+/-535.112 χ^2/NDF: 29.8/28

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 330.687+/-411.395 χ^2/NDF: 48.6/33

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

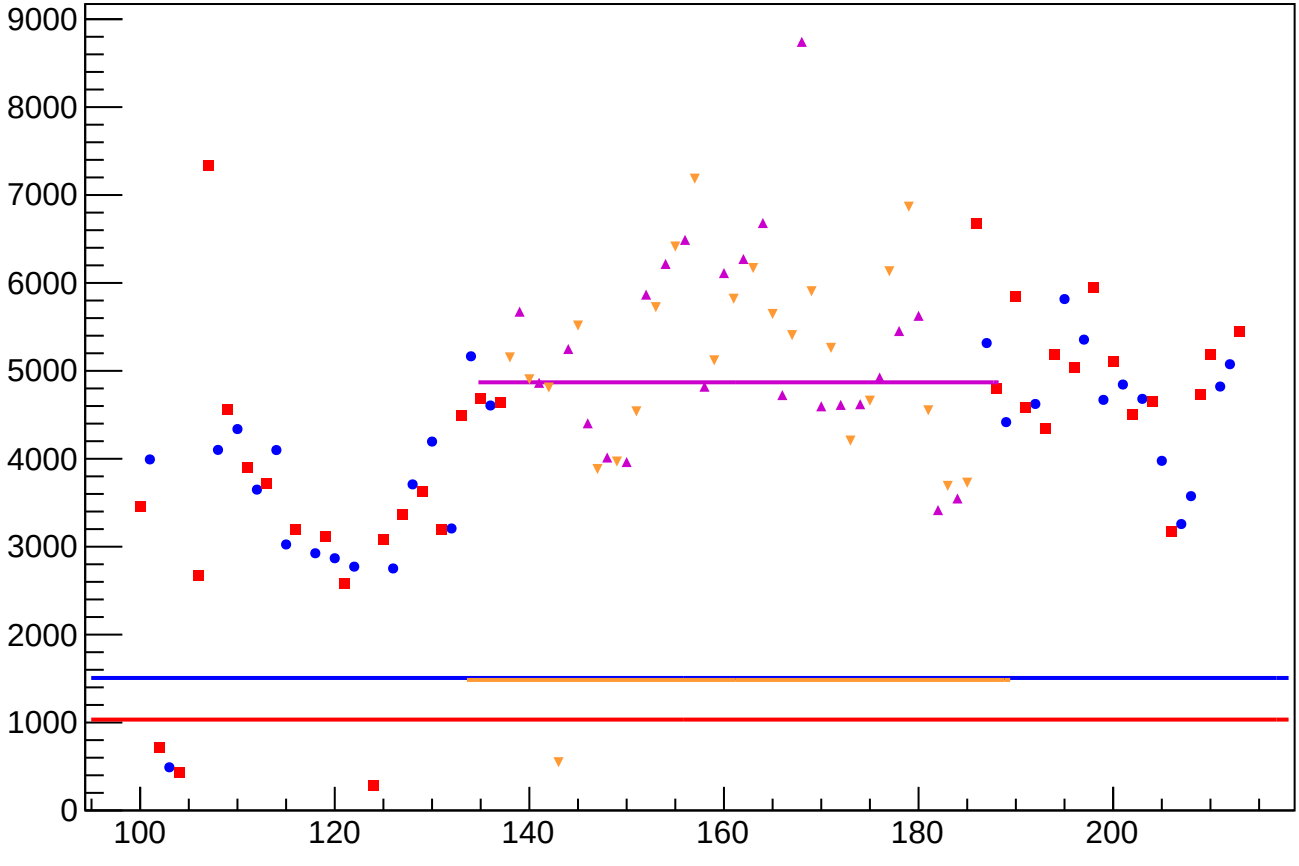
Right: 302.636+/-326.149 χ^2/NDF: 78.4/62

In: 169.003+/-486.272 χ^2/NDF:43.5/51

Out: -151.946+/-327.520 χ^2/NDF:83.2/58

All: -51.786+/-271.649 χ^2/NDF: 127.0/110

asym_atl_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1506.993+/-0.378 χ^2/NDF: 18634532.6/28

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

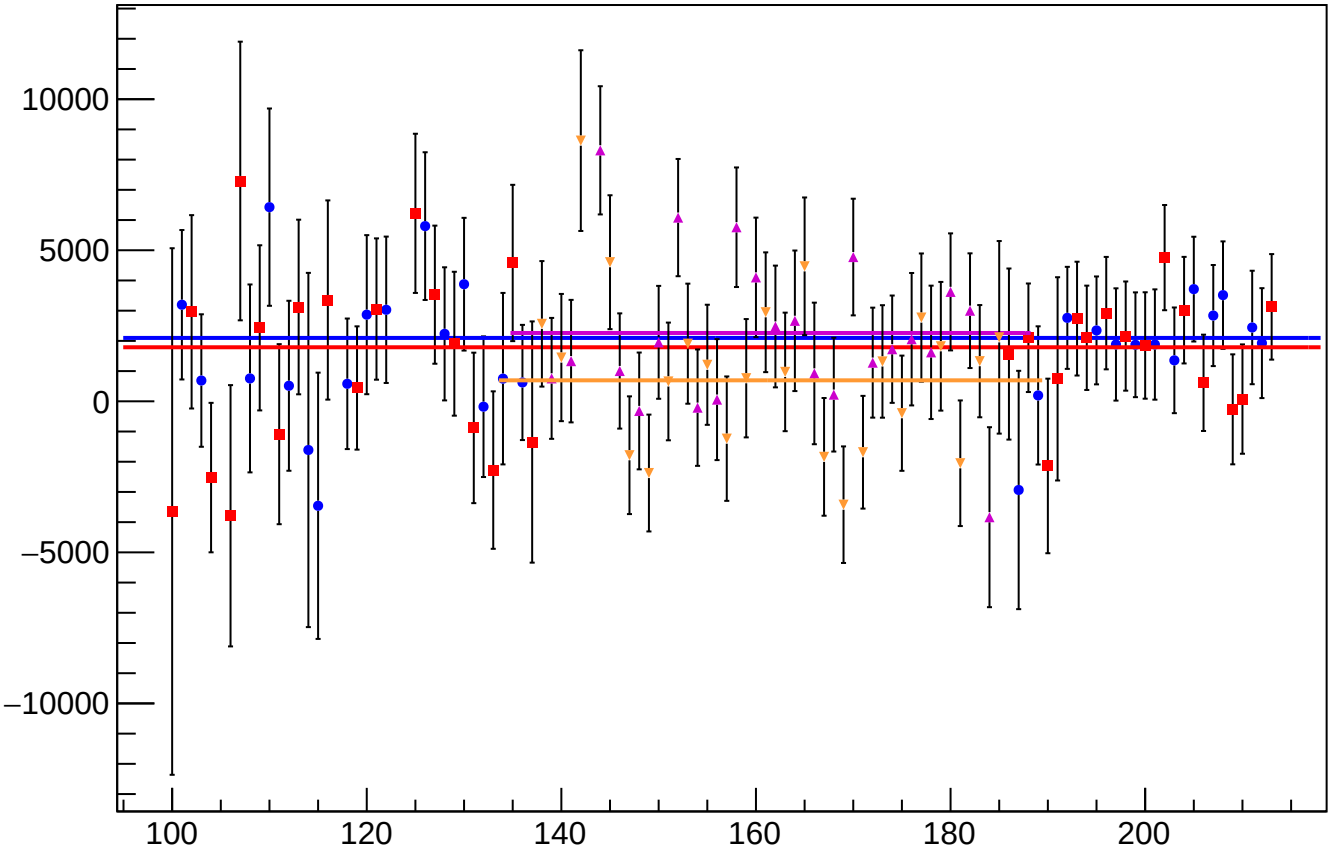
Right: 1209.381+/-0.231 χ^2/NDF: 43906462.5/62

In: 2092.811+/-0.344 χ^2/NDF:33867947.2/51

Out: 1198.632+/-0.232 χ^2/NDF:48393422.9/58

All: 1477.682+/-0.192 χ^2/NDF: 86913600.2/1

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2098.080+/-400.666 χ^2/NDF: 14.8/28

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

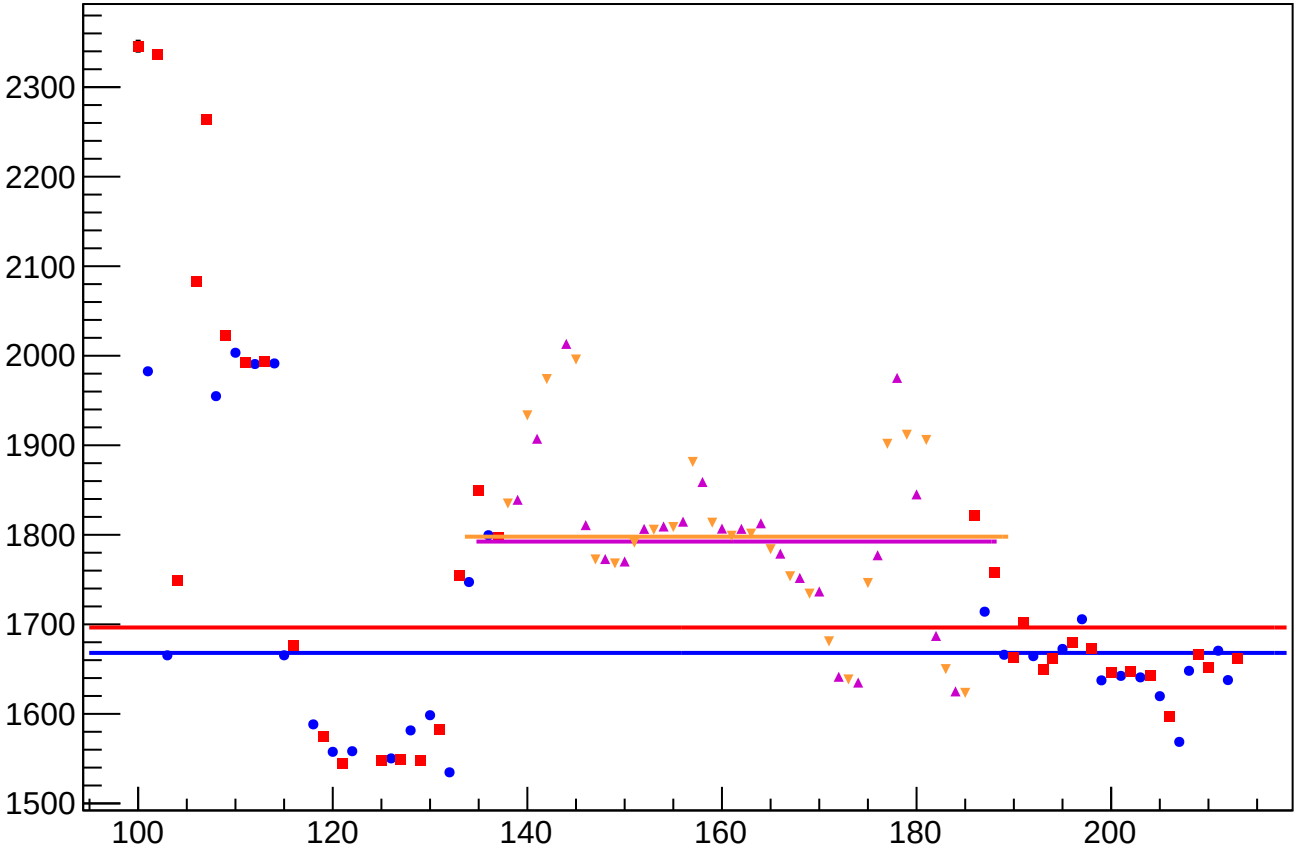
Right: 1940.718+/-280.886 χ^2/NDF: 42.0/61

In: 2176.230+/-289.637 χ^2/NDF:45.3/51

Out: 1274.017+/-286.682 χ^2/NDF:62.8/56

All: 1720.498+/-203.751 χ^2/NDF: 113.0/108

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1668.100+/-0.283 χ^2/NDF: 152601.9/28

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

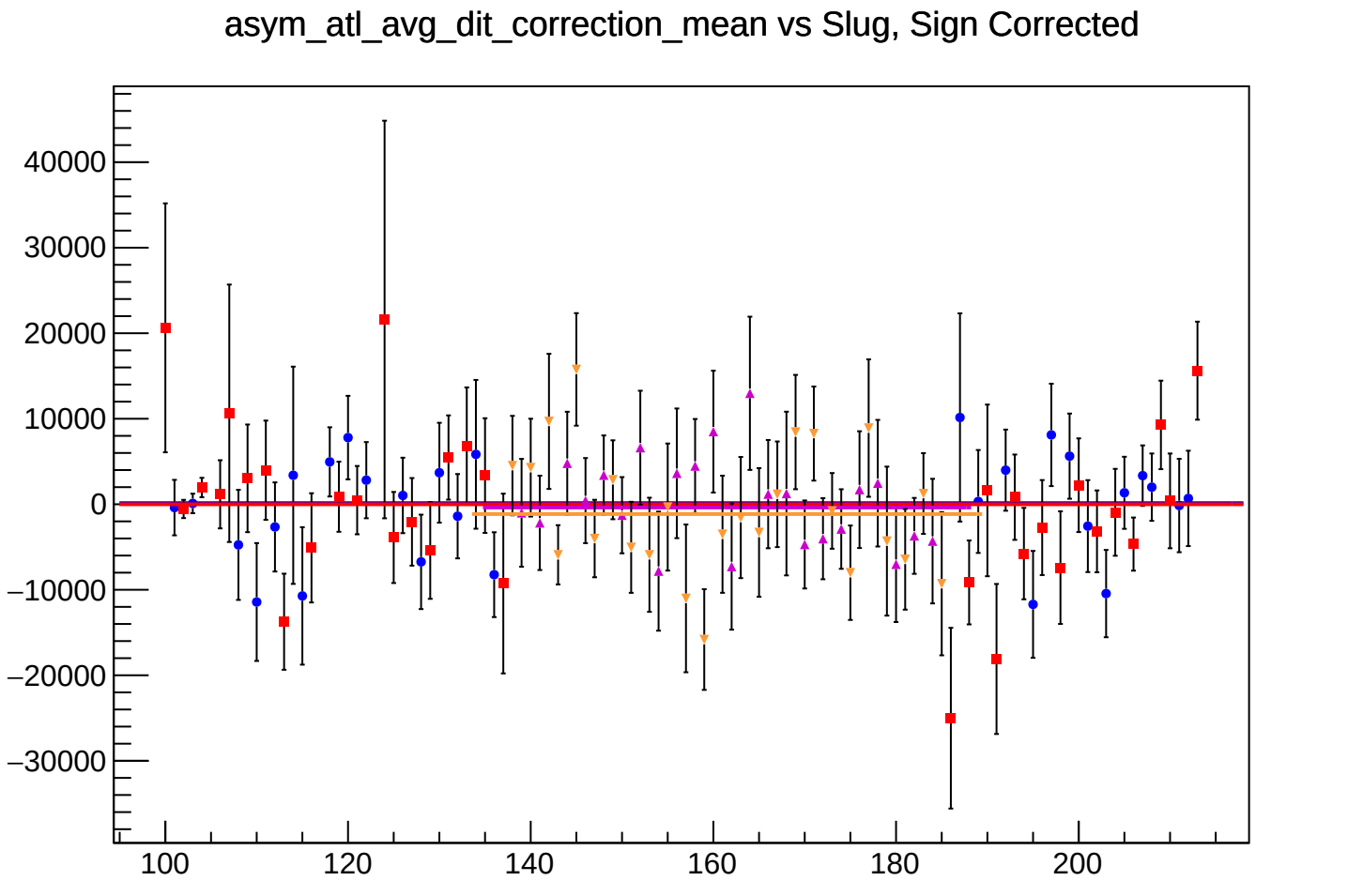
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1682.548+/-0.199 χ^2/NDF: 444418.2/61

In: 1727.469+/-0.205 χ^2/NDF:337452.1/51

Out: 1744.142+/-0.203 χ^2/NDF:447113.2/56

All: 1735.895+/-0.144 χ^2/NDF: 787914.6/108



Right In: 130.998+/-737.127 χ^2/NDF: 28.8/28

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -1.414+/-609.515 χ^2/NDF: 48.5/33

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

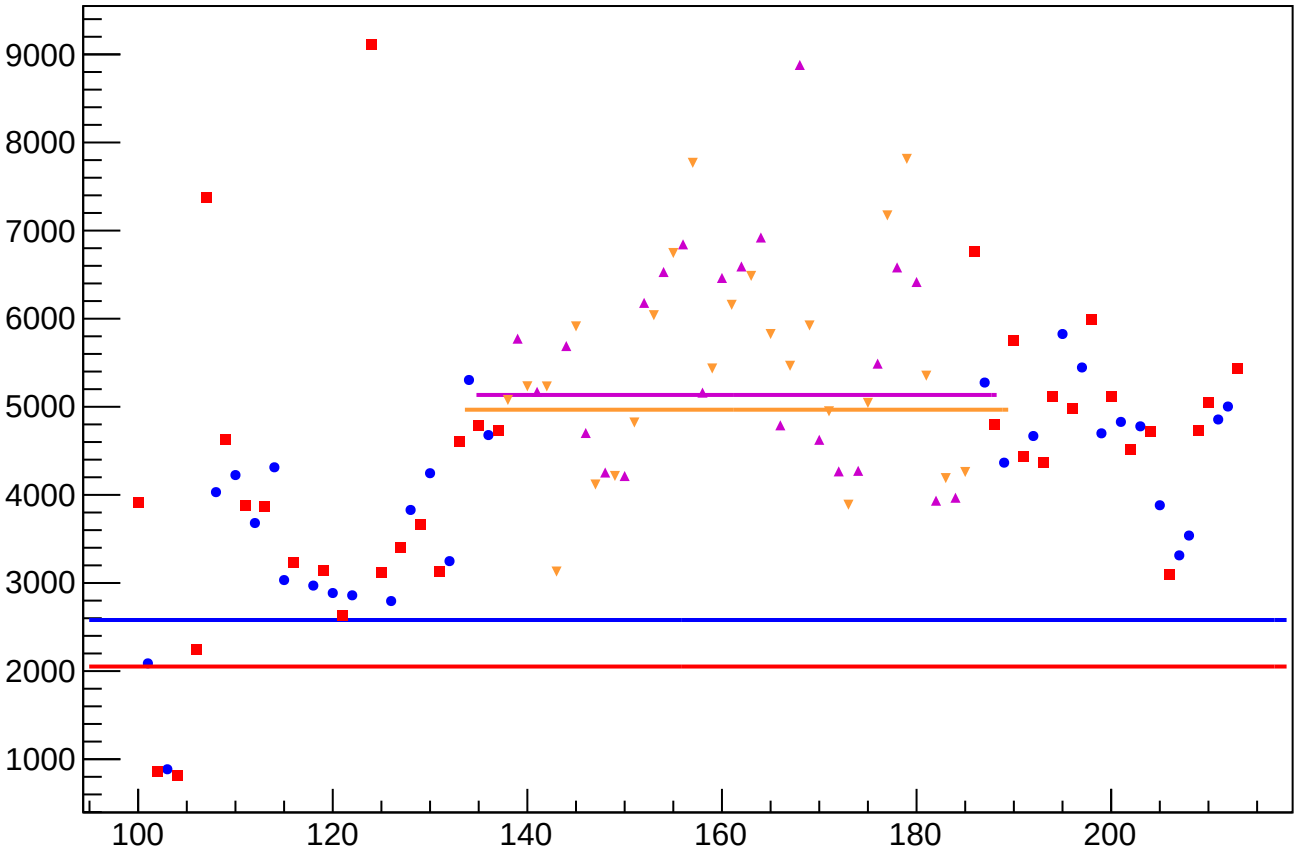
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: 52.356+/-469.730 χ^2/NDF: 77.4/62

In: -2.899+/-632.102 χ^2/NDF:42.2/51

Out: -247.224+/-540.011 χ^2/NDF:81.9/58

All: -144.140+/-410.581 χ^2/NDF: 124.1/110



Right In: 2579.906+/-0.521 χ^2/NDF: 9561302.1/28

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

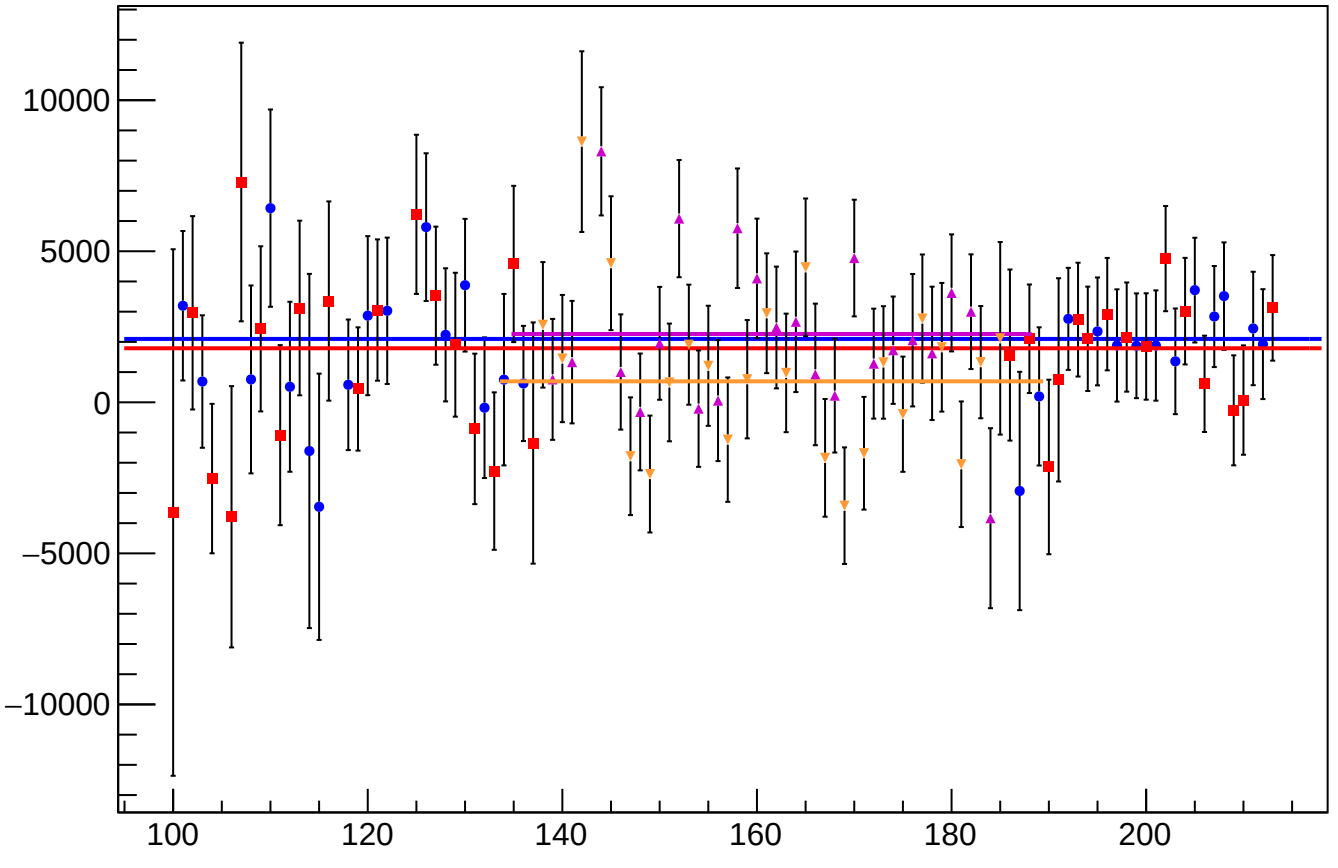
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2266.220+/-0.332 χ^2/NDF: 25336550.9/62

In: 3255.982+/-0.447 χ^2/NDF:17405402.9/51

Out: 2678.670+/-0.382 χ^2/NDF:26922028.9/58

All: 2922.246+/-0.290 χ^2/NDF: 45291857.4/1



Right In: 2098.078+/-400.666 χ^2/NDF: 14.8/28

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

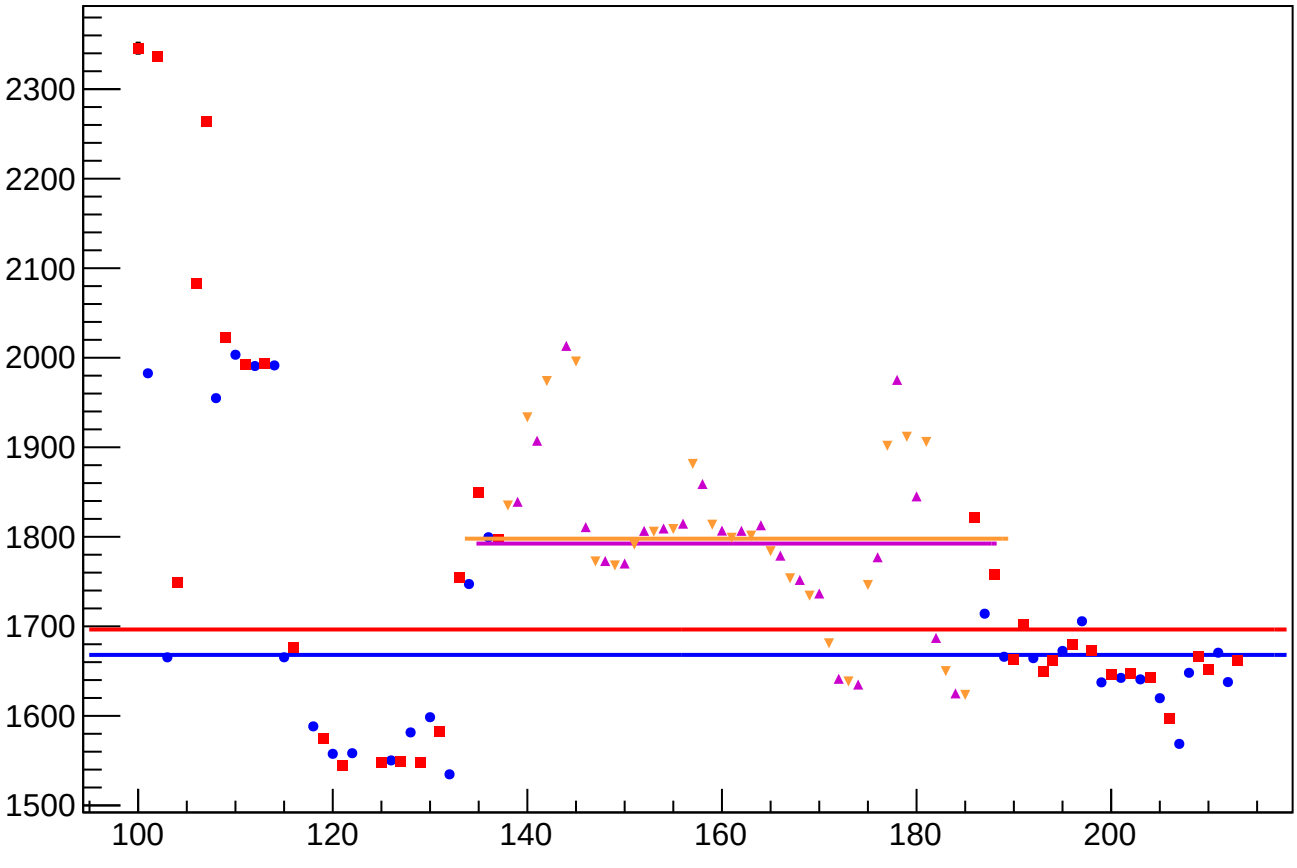
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1940.715+/-280.886 χ^2/NDF: 42.0/61

In: 2176.228+/-289.637 χ^2/NDF:45.3/51

Out: 1274.014+/-286.682 χ^2/NDF:62.8/56

All: 1720.495+/-203.751 χ^2/NDF: 113.0/108



Right In: 1668.100+/-0.283 χ^2/NDF: 152602.2/28

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

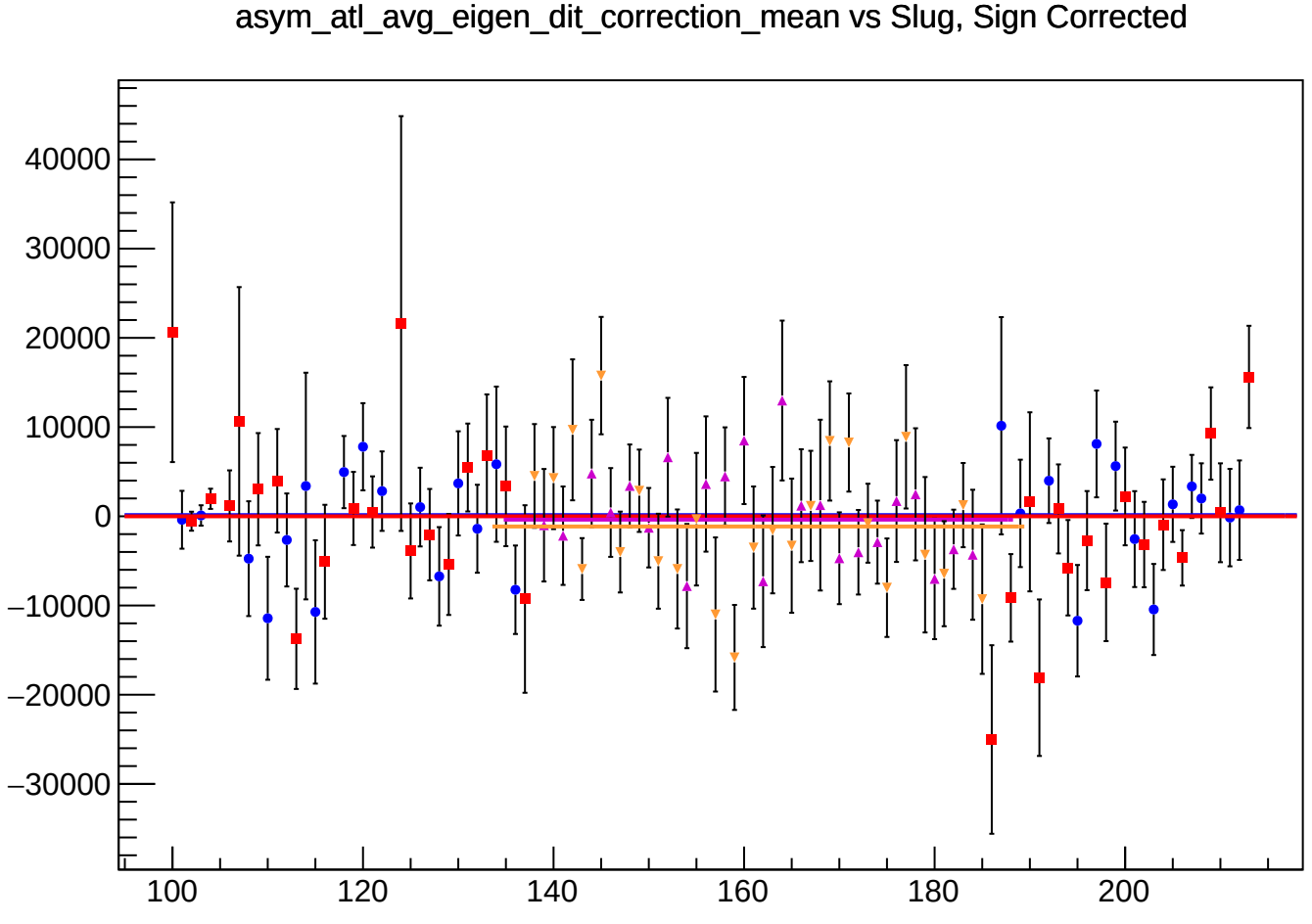
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

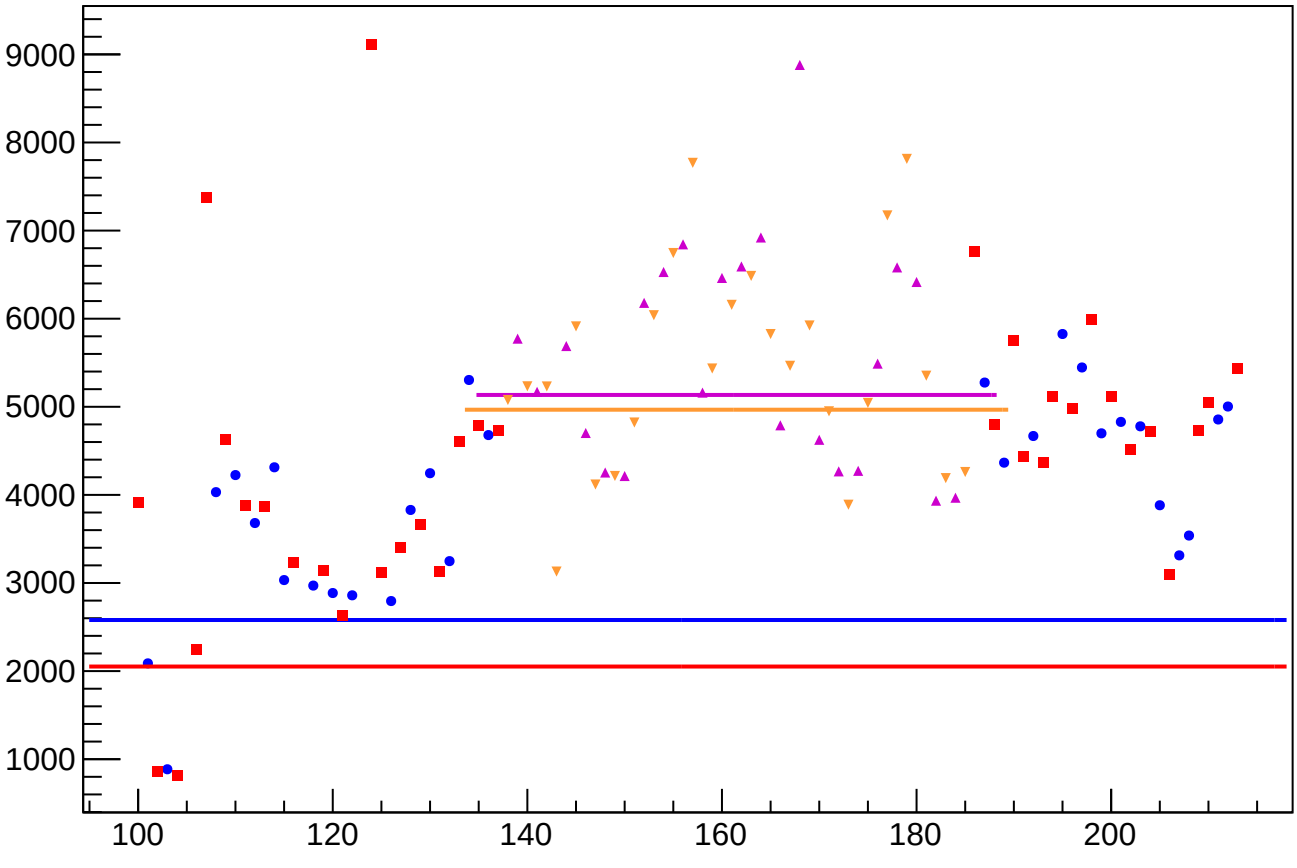
Right: 1682.548+/-0.199 χ^2/NDF: 444417.9/61

In: 1727.469+/-0.205 χ^2/NDF:337457.6/51

Out: 1744.143+/-0.203 χ^2/NDF:447117.9/56

All: 1735.895+/-0.144 χ^2/NDF: 787924.8/108


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 130.999+/-737.124 χ²/NDF: 28.8/28
Left Out: -1144.411+/-1164.460 χ²/NDF:32.6/24
Right Out: -1.408+/-609.511 χ²/NDF: 48.5/33
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: 52.359+/-469.727 χ²/NDF: 77.4/62
In: -2.897+/-632.100 χ²/NDF:42.2/51
Out: -247.219+/-540.009 χ²/NDF:81.9/58
All: -144.136+/-410.580 χ²/NDF: 124.1/110



Right In: 2579.888+/-0.521 χ^2/NDF: 9561440.2/28

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

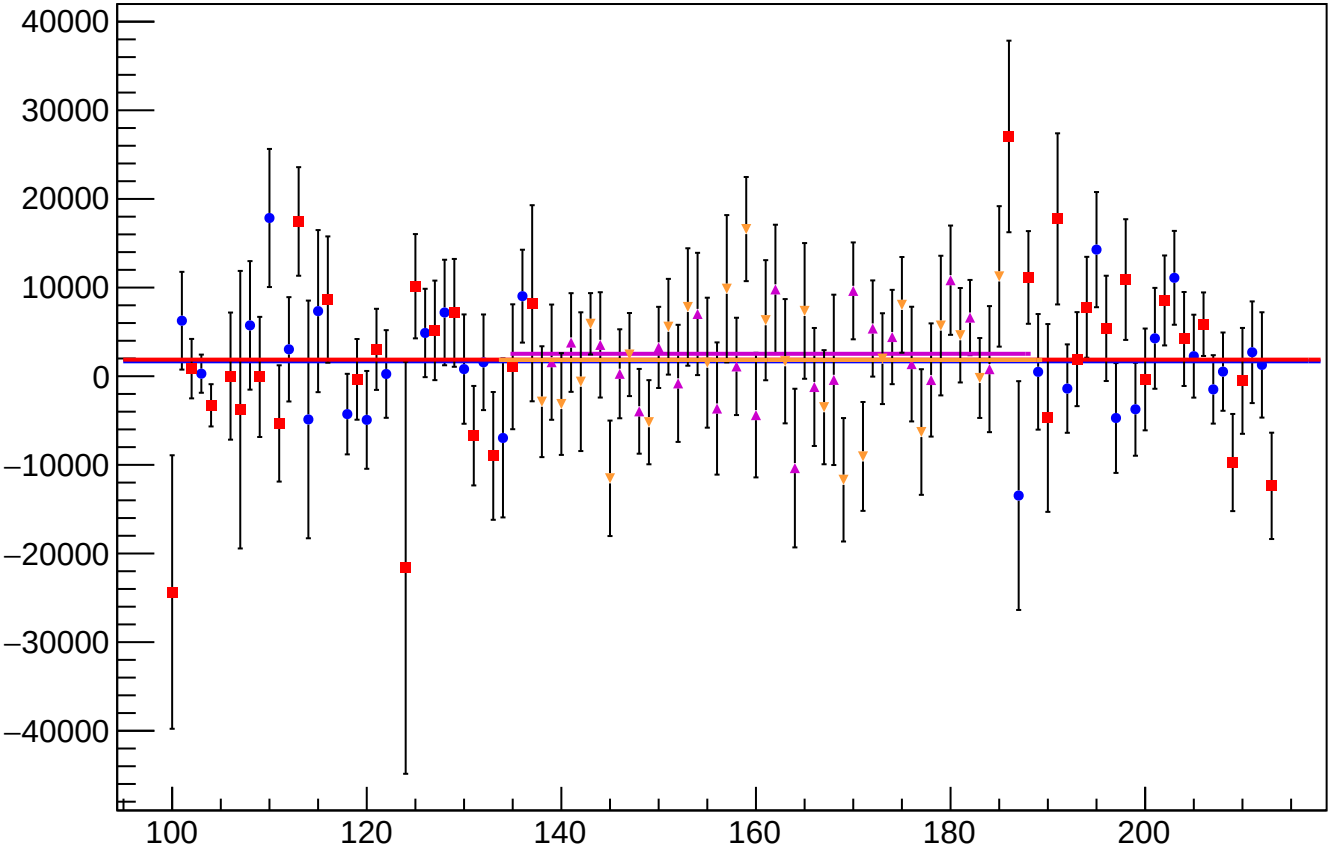
Right: 2266.202+/-0.332 χ^2/NDF: 25336844.1/62

In: 3255.966+/-0.447 χ^2/NDF:17405669.6/51

Out: 2678.650+/-0.382 χ^2/NDF:26922355.5/58

All: 2922.227+/-0.290 χ^2/NDF: 45292469.0/

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1681.027+/-964.103 χ^2/NDF: 25.7/28

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

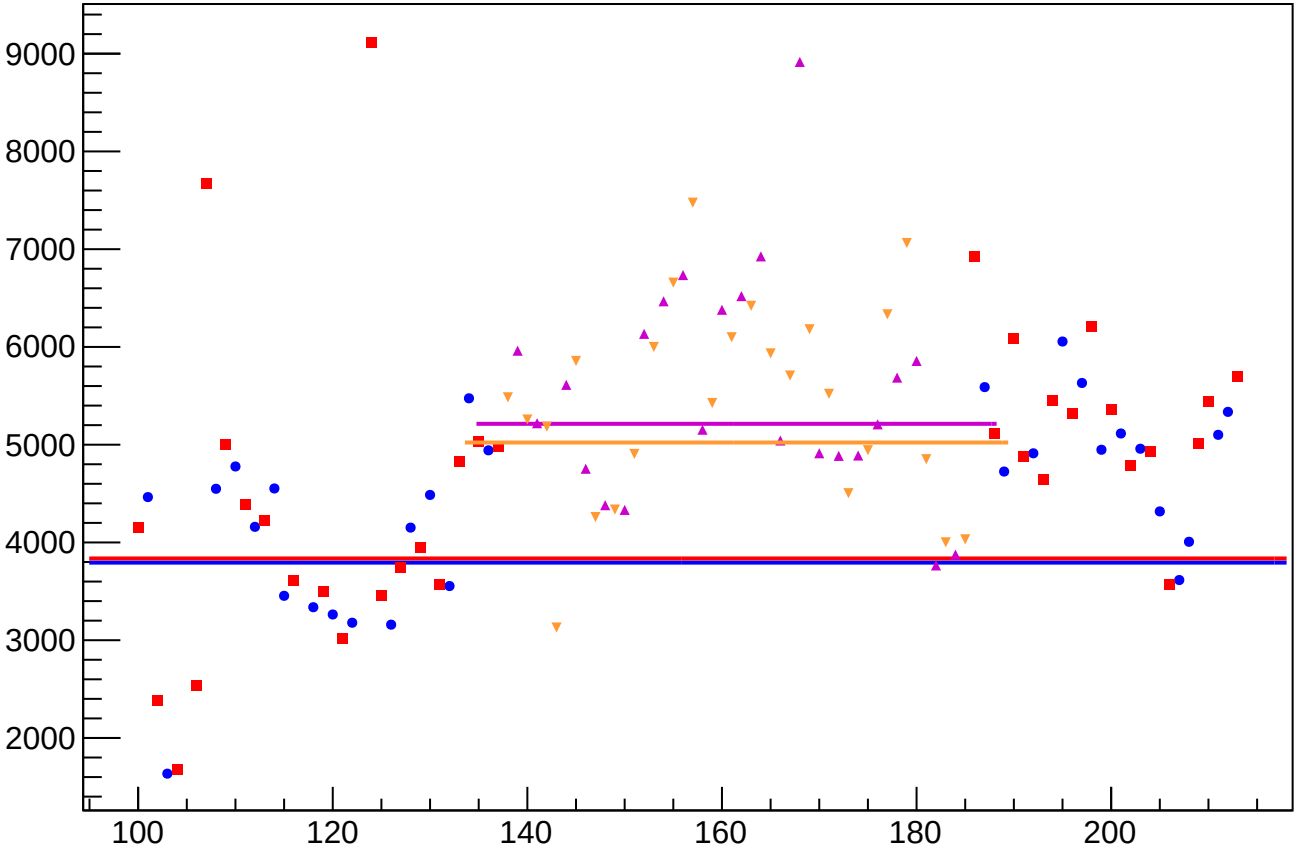
Right: 1777.400+/-677.679 χ^2/NDF: 80.0/62

In: 2000.041+/-761.589 χ^2/NDF:39.2/51

Out: 1853.496+/-739.414 χ^2/NDF:85.4/58

All: 1924.604+/-530.511 χ^2/NDF: 124.6/110

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3793.778+/-0.682 χ^2/NDF: 3587890.5/28

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

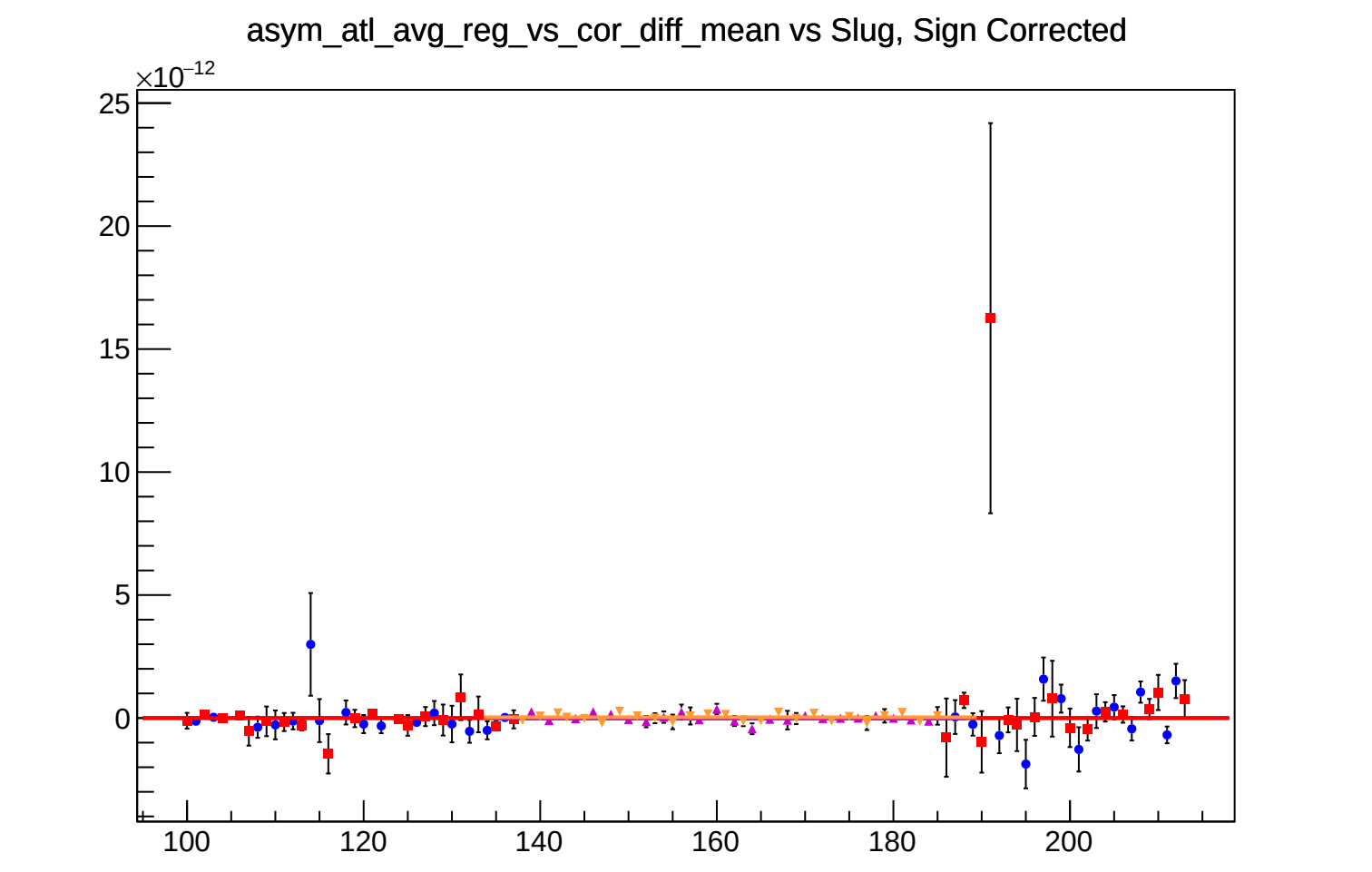
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3815.490+/-0.477 χ^2/NDF: 7970350.2/62

In: 4327.619+/-0.539 χ^2/NDF:6442019.6/51

Out: 4302.749+/-0.520 χ^2/NDF:7298935.4/58

All: 4314.747+/-0.374 χ^2/NDF: 13742058.9/1



Right In: -0.000+/-0.000 χ^2/NDF: 39.2/28

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.5/33

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

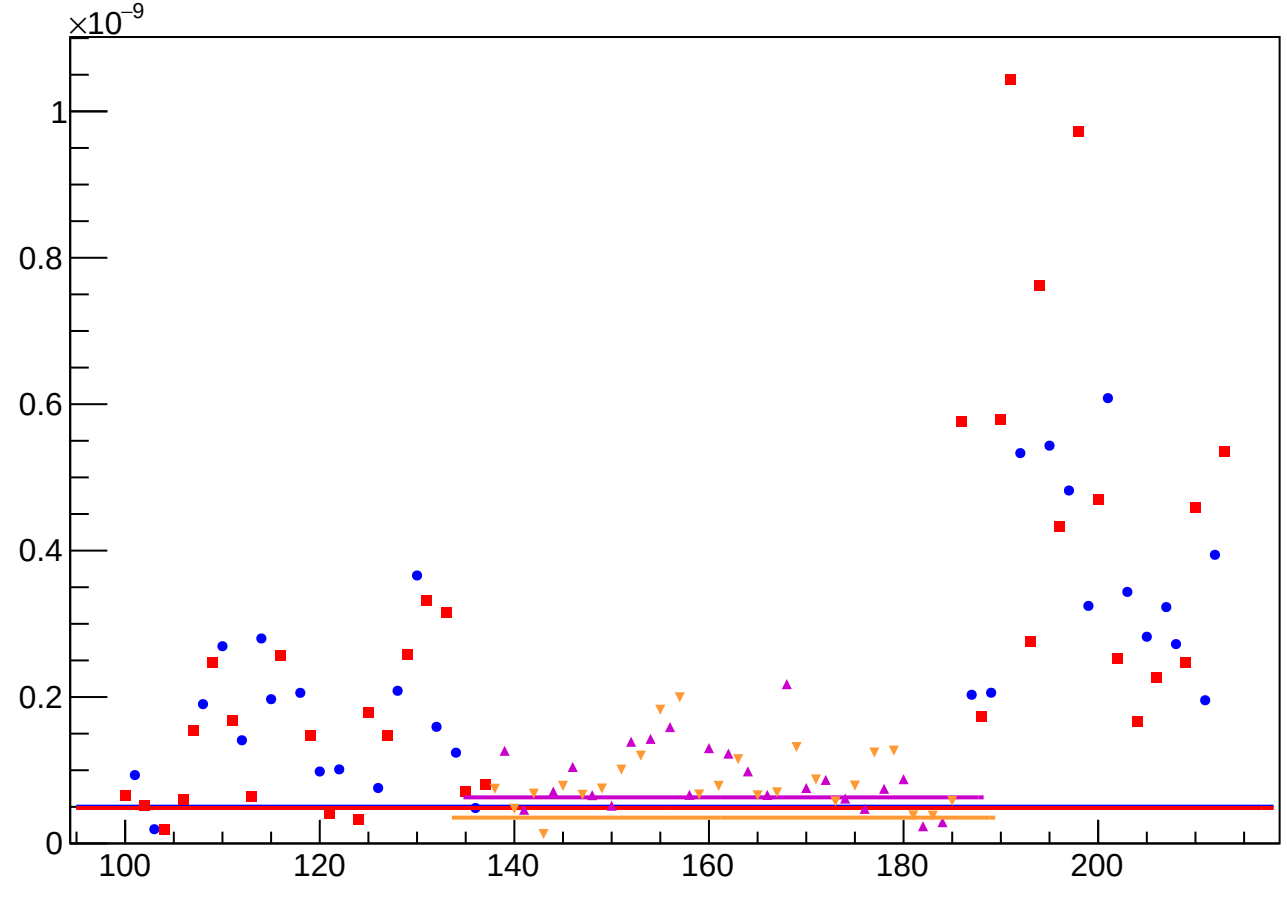
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: -0.000+/-0.000 χ^2/NDF: 70.8/62

In: -0.000+/-0.000 χ^2/NDF:58.5/51

Out: 0.000+/-0.000 χ^2/NDF:57.3/58

All: 0.000+/-0.000 χ^2/NDF: 117.5/110



Right In: 0.000+/-0.000 χ^2/NDF: 9428491.9/28

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

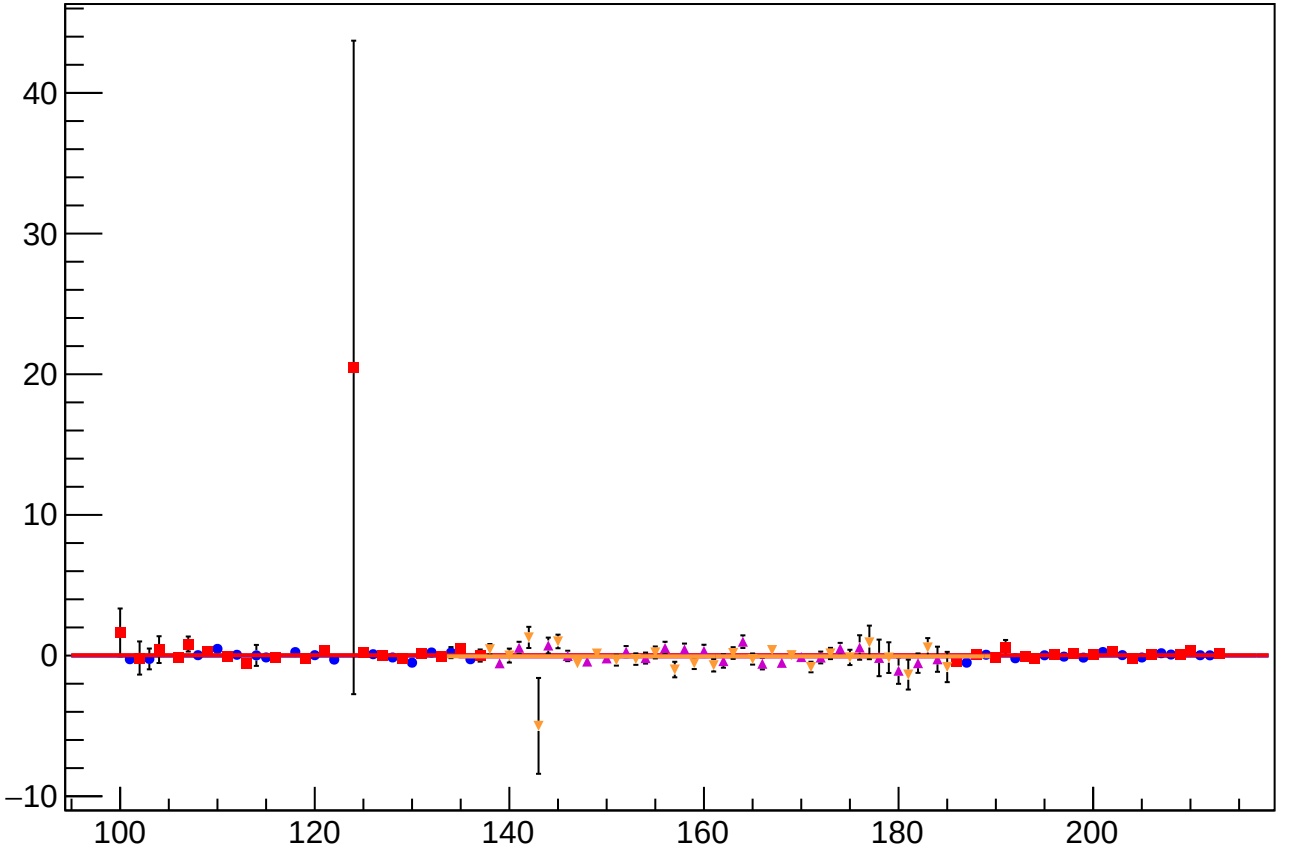
Right: 0.000+/-0.000 χ^2/NDF: 19484385.2/62

In: 0.000+/-0.000 χ^2/NDF:12536493.7/51

Out: 0.000+/-0.000 χ^2/NDF:16822361.9/58

All: 0.000+/-0.000 χ^2/NDF: 30406000.9/110

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.036 χ^2/NDF: 26.8/28

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

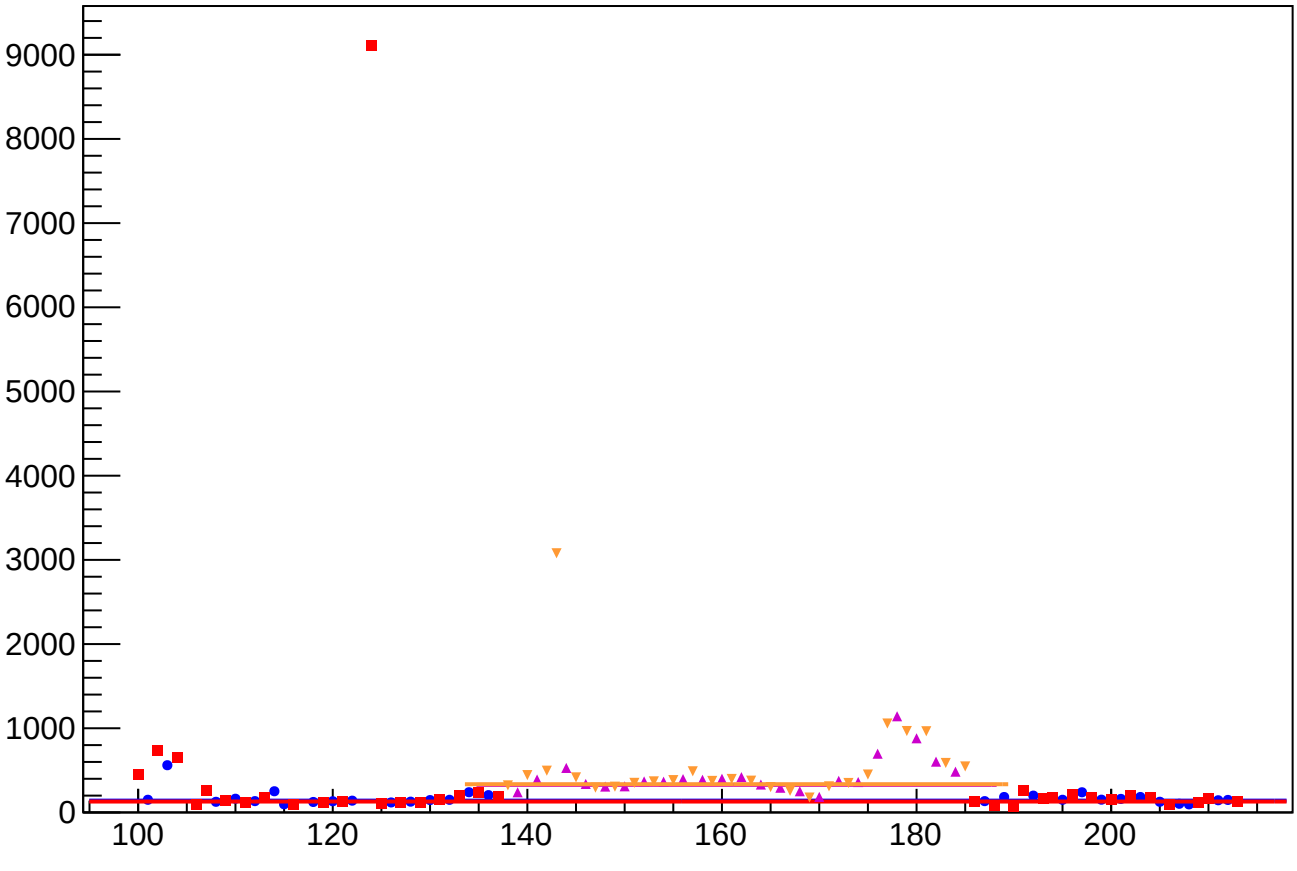
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.013+/-0.025 χ^2/NDF: 63.1/62

In: -0.012+/-0.033 χ^2/NDF:55.3/51

Out: 0.015+/-0.031 χ^2/NDF:69.8/58

All: 0.002+/-0.023 χ^2/NDF: 125.5/110



Right In: 140.553+/-0.026 χ^2/NDF: 2281596.1/28

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

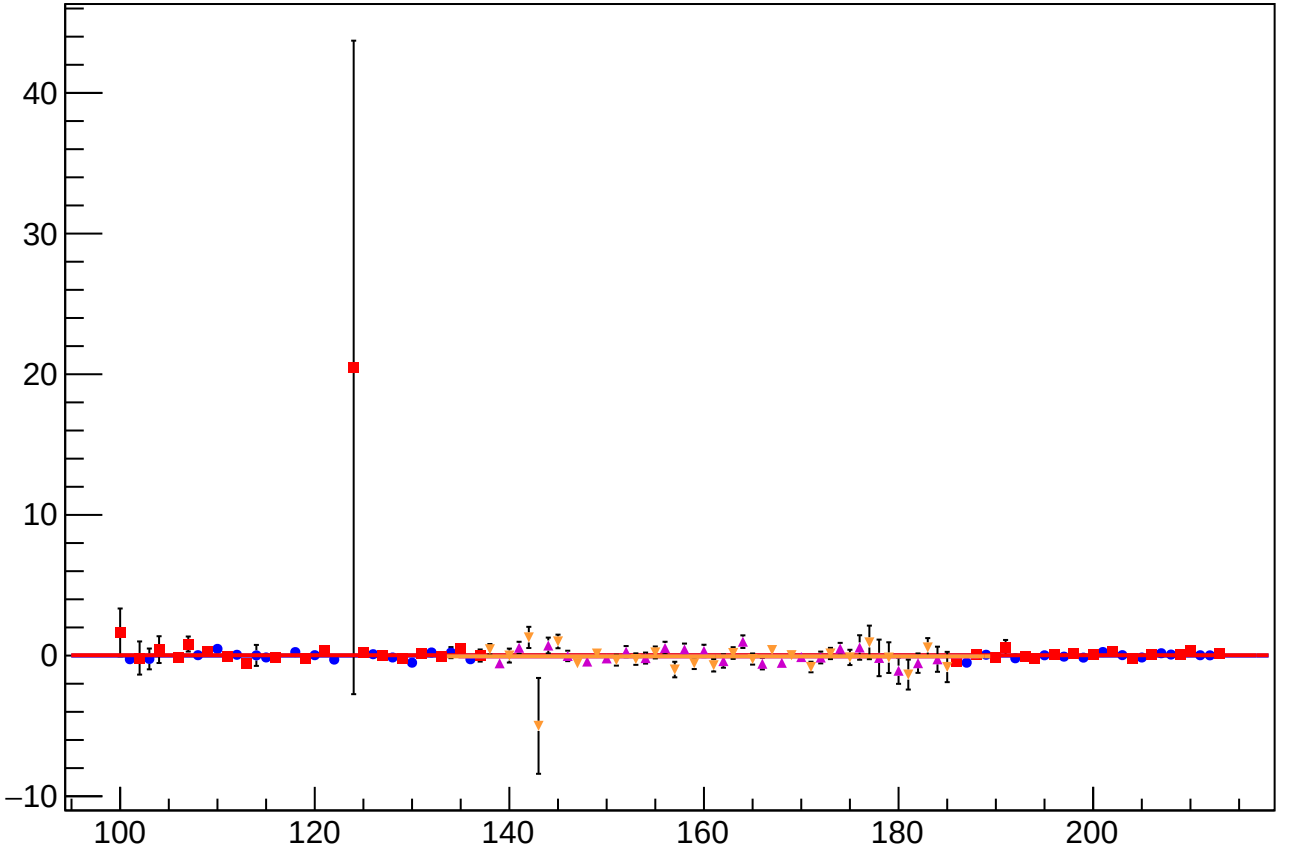
Right: 134.693+/-0.017 χ^2/NDF: 6650334.2/62

In: 171.003+/-0.024 χ^2/NDF:14989296.3/51

Out: 157.756+/-0.022 χ^2/NDF:20308493.0/58

All: 163.944+/-0.016 χ^2/NDF: 35465587.2/12

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.036 χ^2/NDF: 26.8/28

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

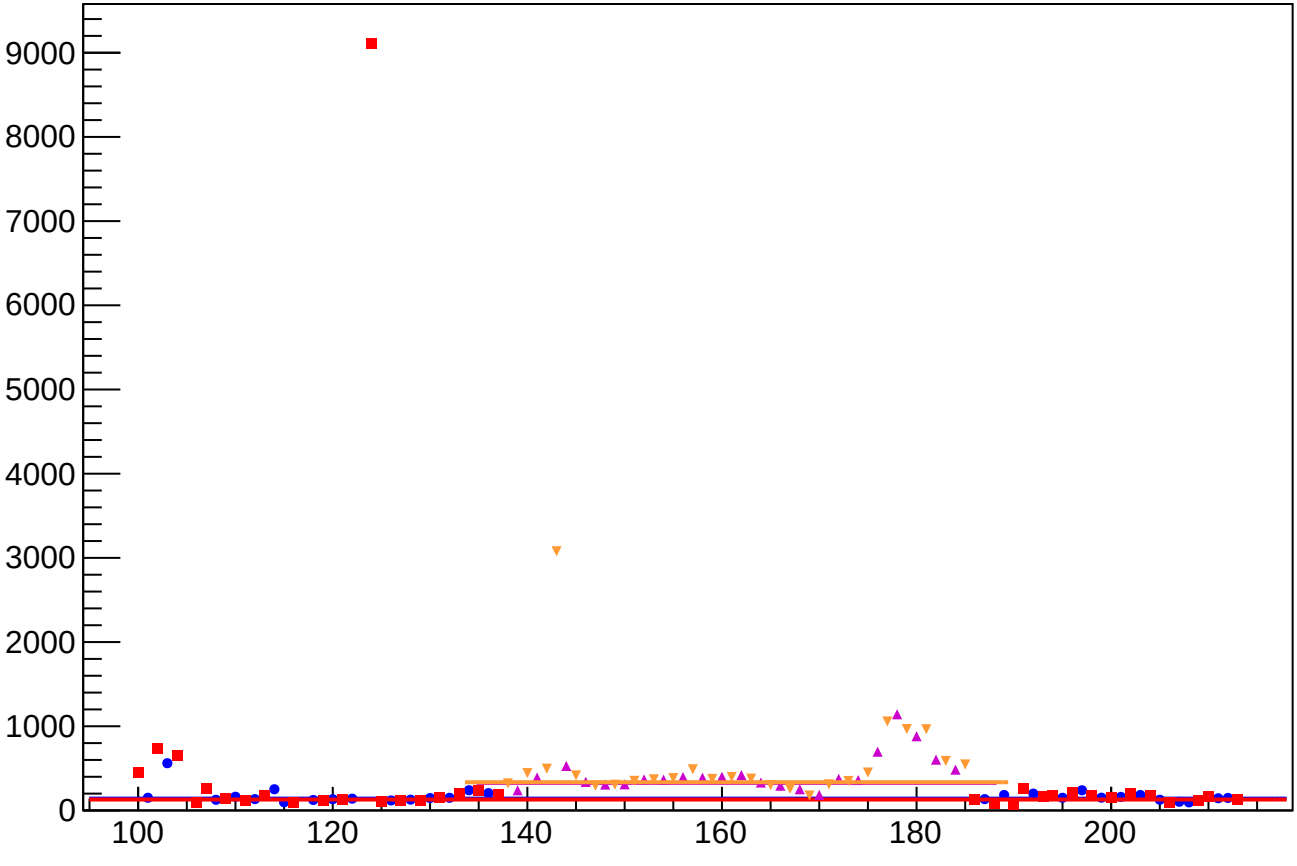
Right: 0.013+/-0.025 χ^2/NDF: 63.1/62

In: -0.012+/-0.033 χ^2/NDF:55.3/51

Out: 0.015+/-0.031 χ^2/NDF:69.8/58

All: 0.002+/-0.023 χ^2/NDF: 125.5/110

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.553+/-0.026 χ^2/NDF: 2281596.1/28

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

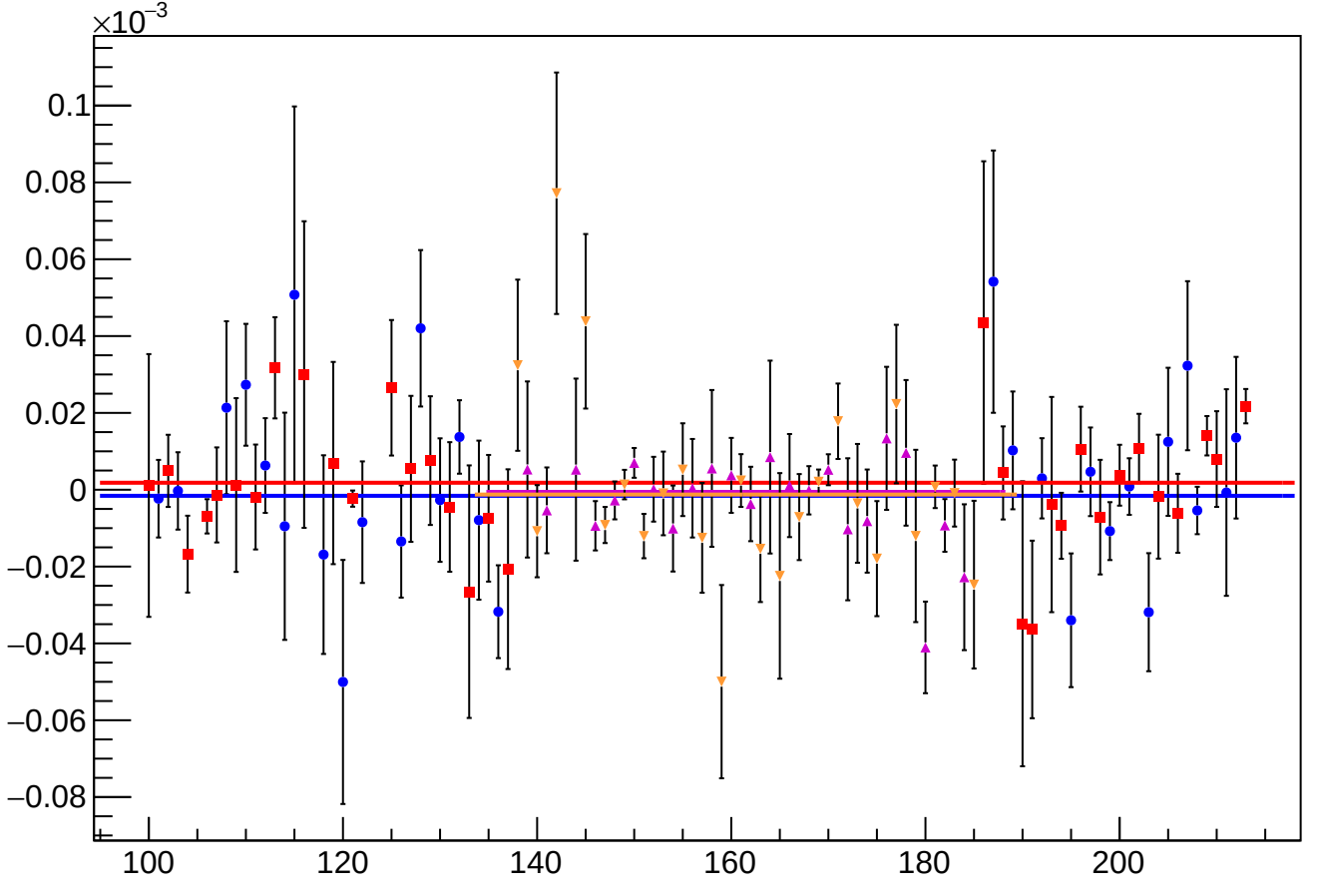
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 134.693+/-0.017 χ^2/NDF: 6650334.2/62

In: 171.003+/-0.024 χ^2/NDF:14989296.3/51

Out: 157.756+/-0.022 χ^2/NDF:20308493.0/58

All: 163.944+/-0.016 χ^2/NDF: 35465587.2/12



Right In: -0.000+/-0.000 χ^2/NDF: 39.5/28

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 56.1/32

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

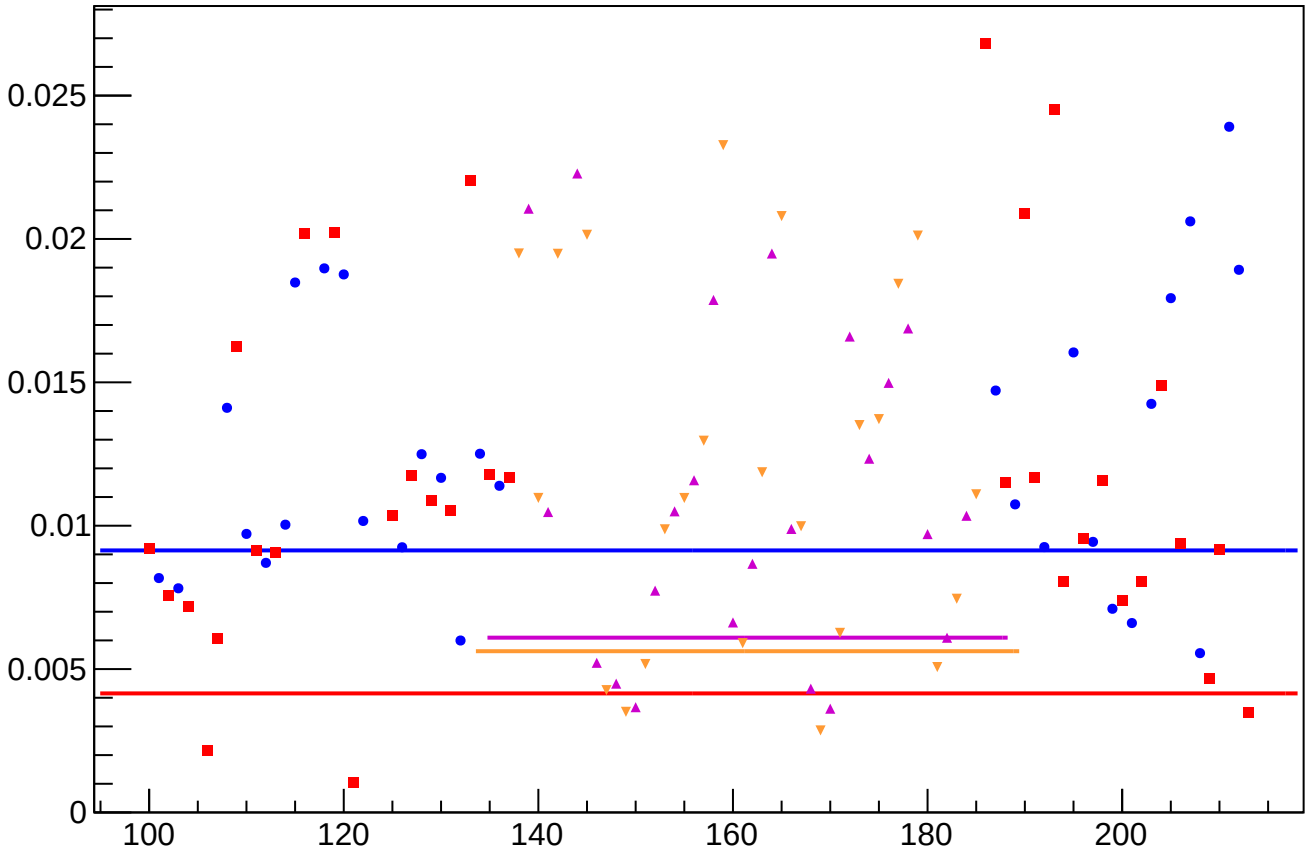
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 97.1/61

In: -0.000+/-0.000 χ^2/NDF:65.1/51

Out: 0.000+/-0.000 χ^2/NDF:93.9/56

All: -0.000+/-0.000 χ^2/NDF: 159.6/108



Right In: 0.009+/-0.000 χ^2/NDF: 4821332.6/28

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 16686372.3/32

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

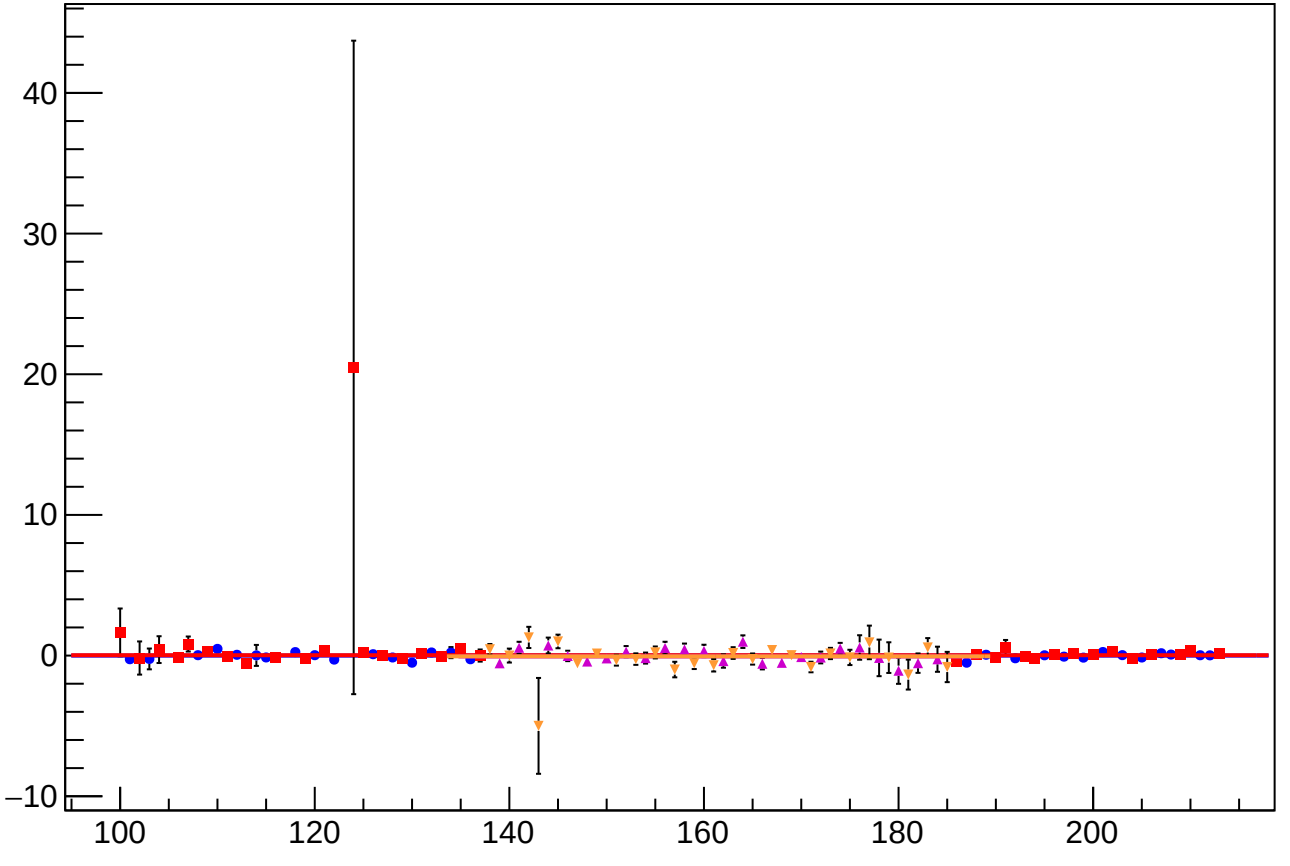
Right: 0.005+/-0.000 χ^2/NDF: 27893221.0/61

In: 0.007+/-0.000 χ^2/NDF:15718801.2/51

Out: 0.005+/-0.000 χ^2/NDF:28818240.6/56

All: 0.006+/-0.000 χ^2/NDF: 48091547.8/108

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.036 χ^2/NDF: 26.9/28

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

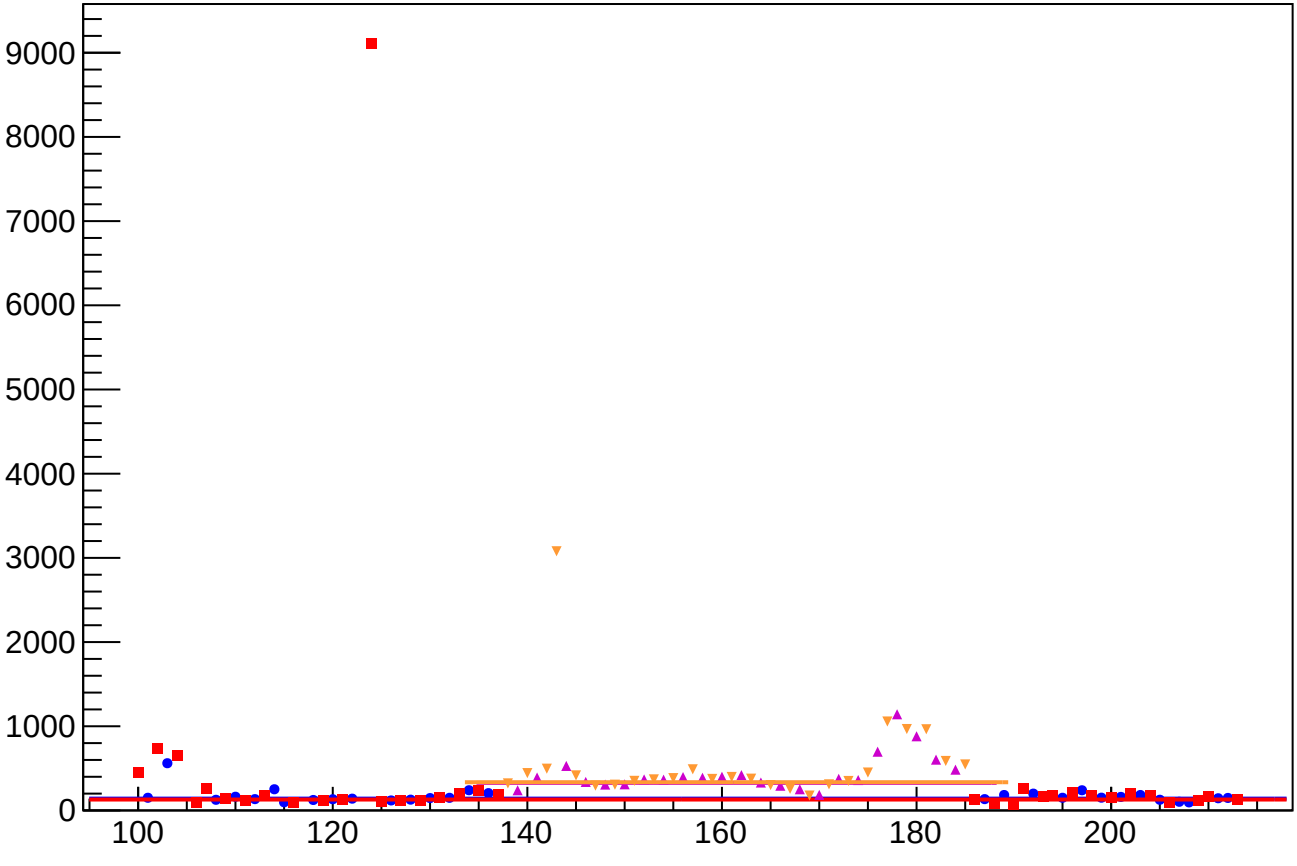
Right: 0.013+/-0.025 χ^2/NDF: 63.1/62

In: -0.012+/-0.033 χ^2/NDF:55.3/51

Out: 0.015+/-0.031 χ^2/NDF:69.8/58

All: 0.002+/-0.023 χ^2/NDF: 125.5/110

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.550+/-0.026 χ^2/NDF: 2281827.2/28

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

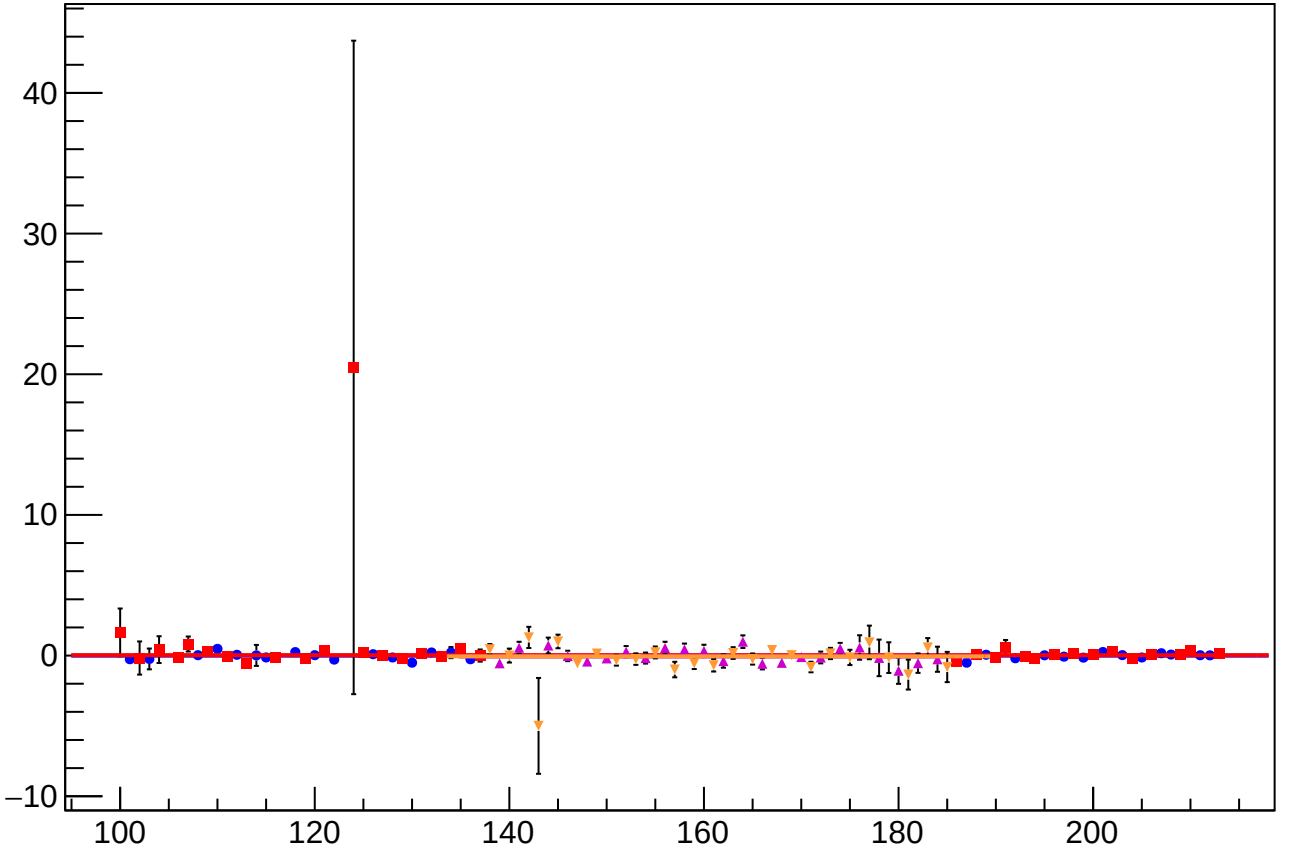
Right: 134.691+/-0.017 χ^2/NDF: 6650671.6/62

In: 170.999+/-0.024 χ^2/NDF:14990000.8/51

Out: 157.753+/-0.022 χ^2/NDF:20309017.2/58

All: 163.941+/-0.016 χ^2/NDF: 35466796.6/1

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.036 χ^2/NDF: 26.9/28

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

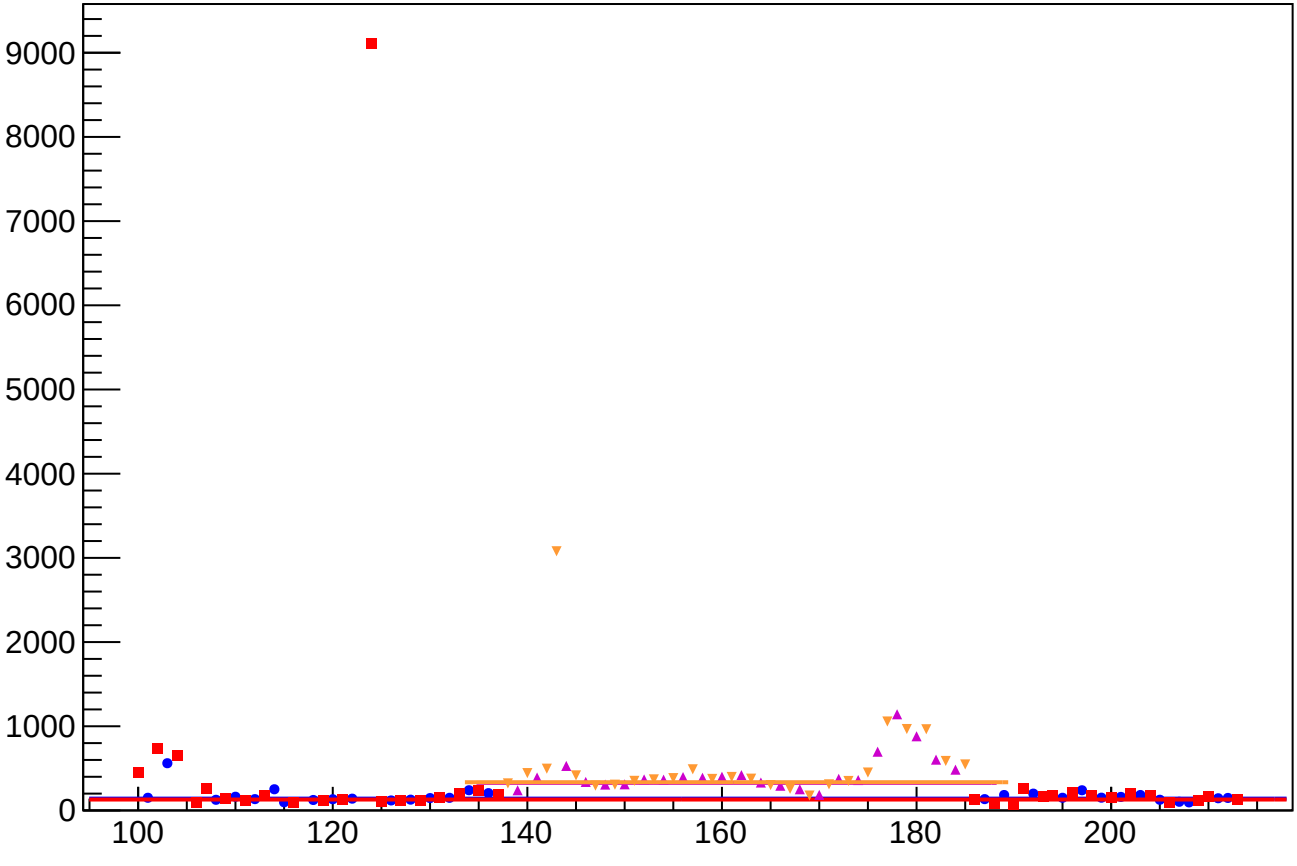
Right: 0.013+/-0.025 χ^2/NDF: 63.1/62

In: -0.012+/-0.033 χ^2/NDF:55.3/51

Out: 0.015+/-0.031 χ^2/NDF:69.8/58

All: 0.002+/-0.023 χ^2/NDF: 125.5/110

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.550+/-0.026 χ^2/NDF: 2281827.2/28

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

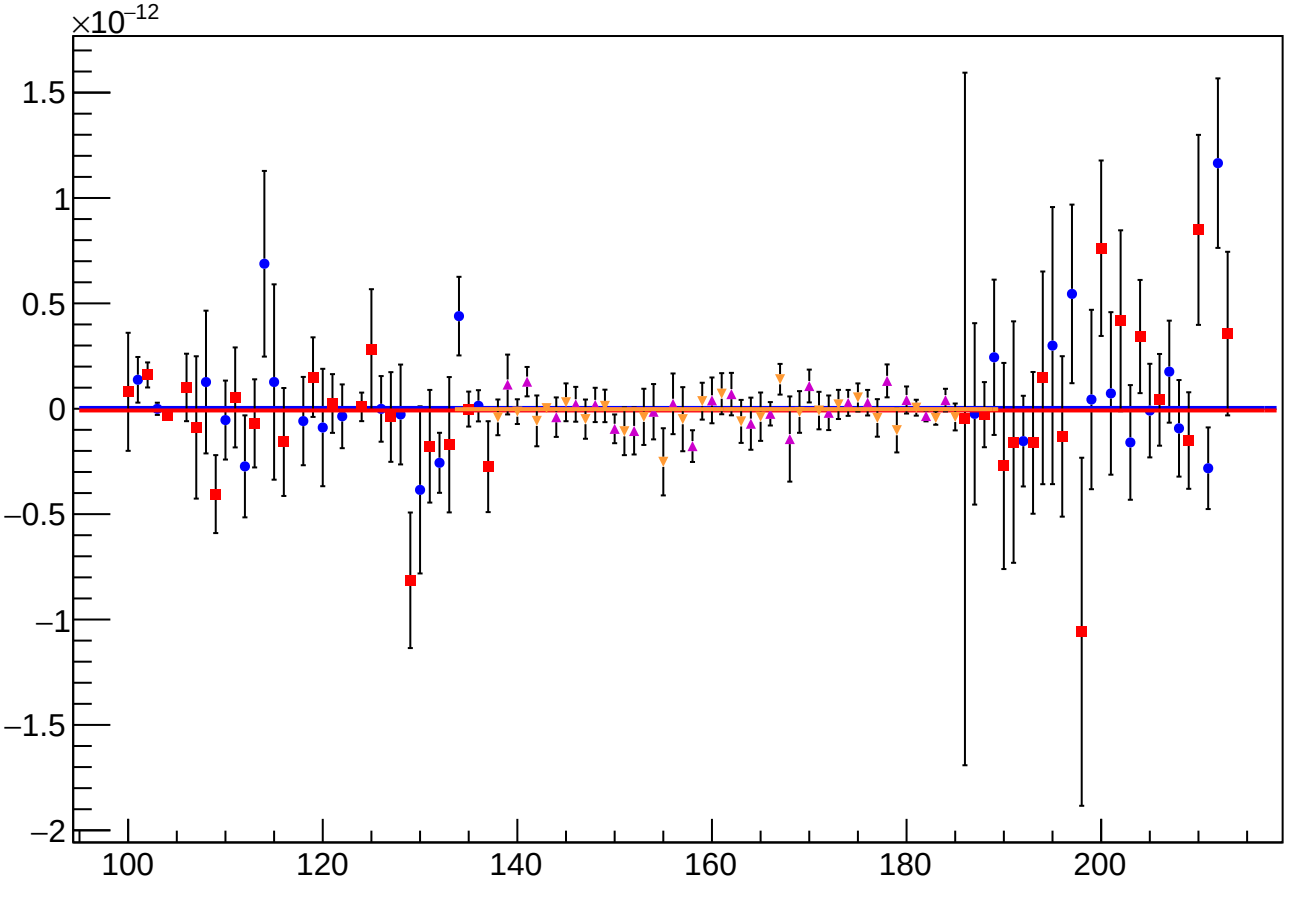
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 134.691+/-0.017 χ^2/NDF: 6650671.6/62

In: 170.999+/-0.024 χ^2/NDF:14990000.8/51

Out: 157.753+/-0.022 χ^2/NDF:20309017.2/58

All: 163.941+/-0.016 χ^2/NDF: 35466796.6/1



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/28

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

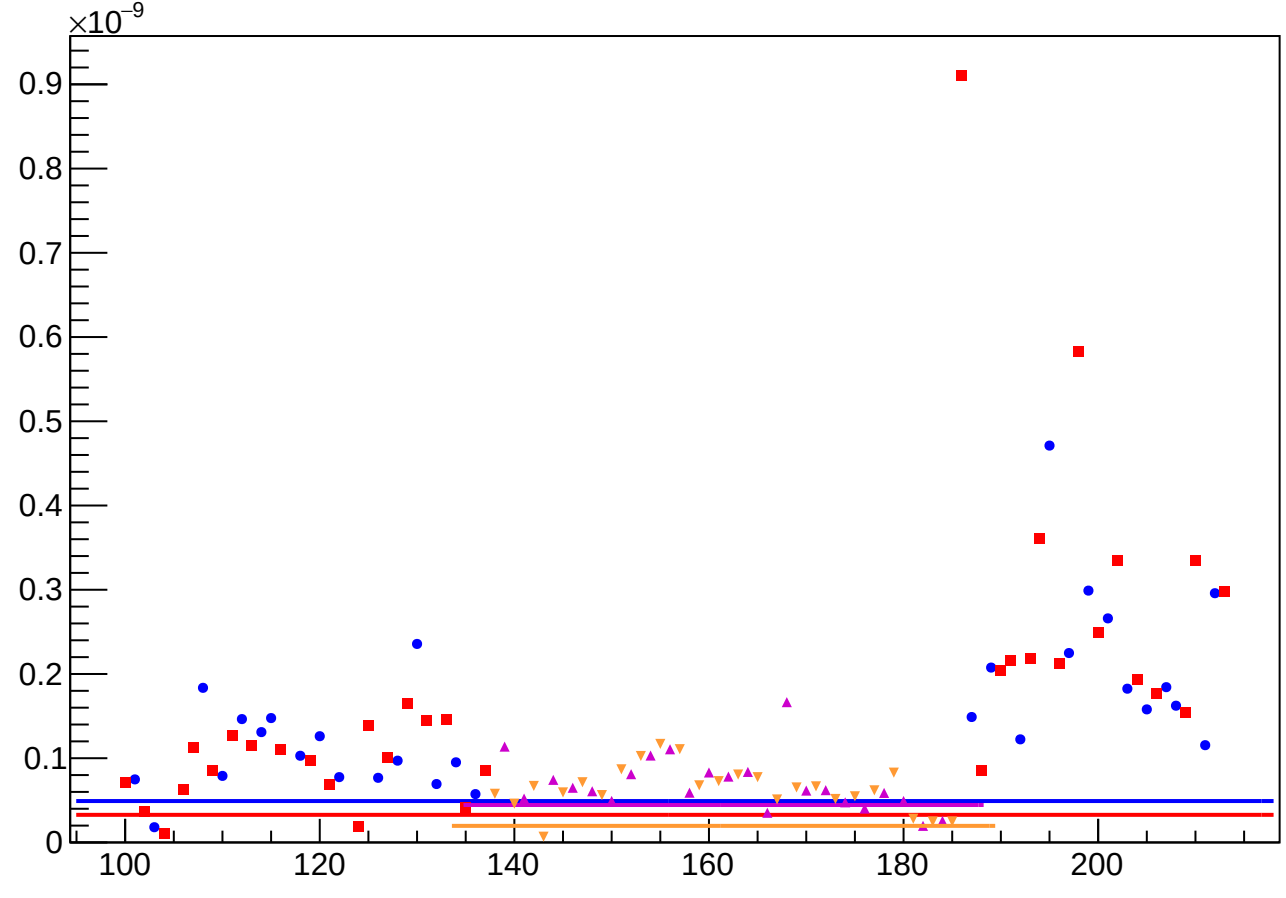
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 68.8/62

In: -0.000+/-0.000 χ^2/NDF:52.6/51

Out: -0.000+/-0.000 χ^2/NDF:52.3/58

All: -0.000+/-0.000 χ^2/NDF: 104.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 10653984.2/28

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

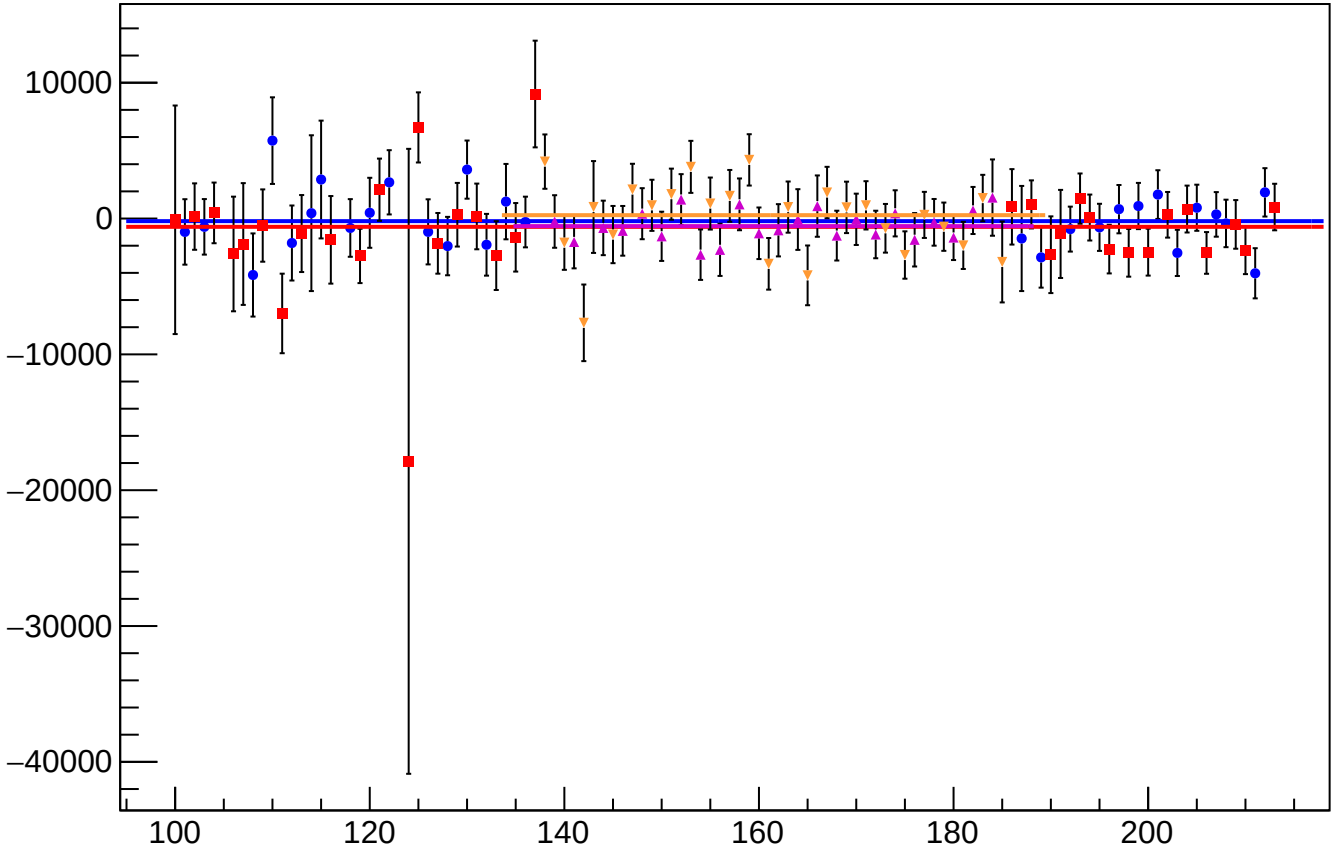
Right: 0.000+/-0.000 χ^2/NDF: 25893231.7/62

In: 0.000+/-0.000 χ^2/NDF:16634512.2/51

Out: 0.000+/-0.000 χ^2/NDF:30360953.9/58

All: 0.000+/-0.000 χ^2/NDF: 52592917.3/110

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -191.886+/-391.022 χ^2/NDF: 24.2/28

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

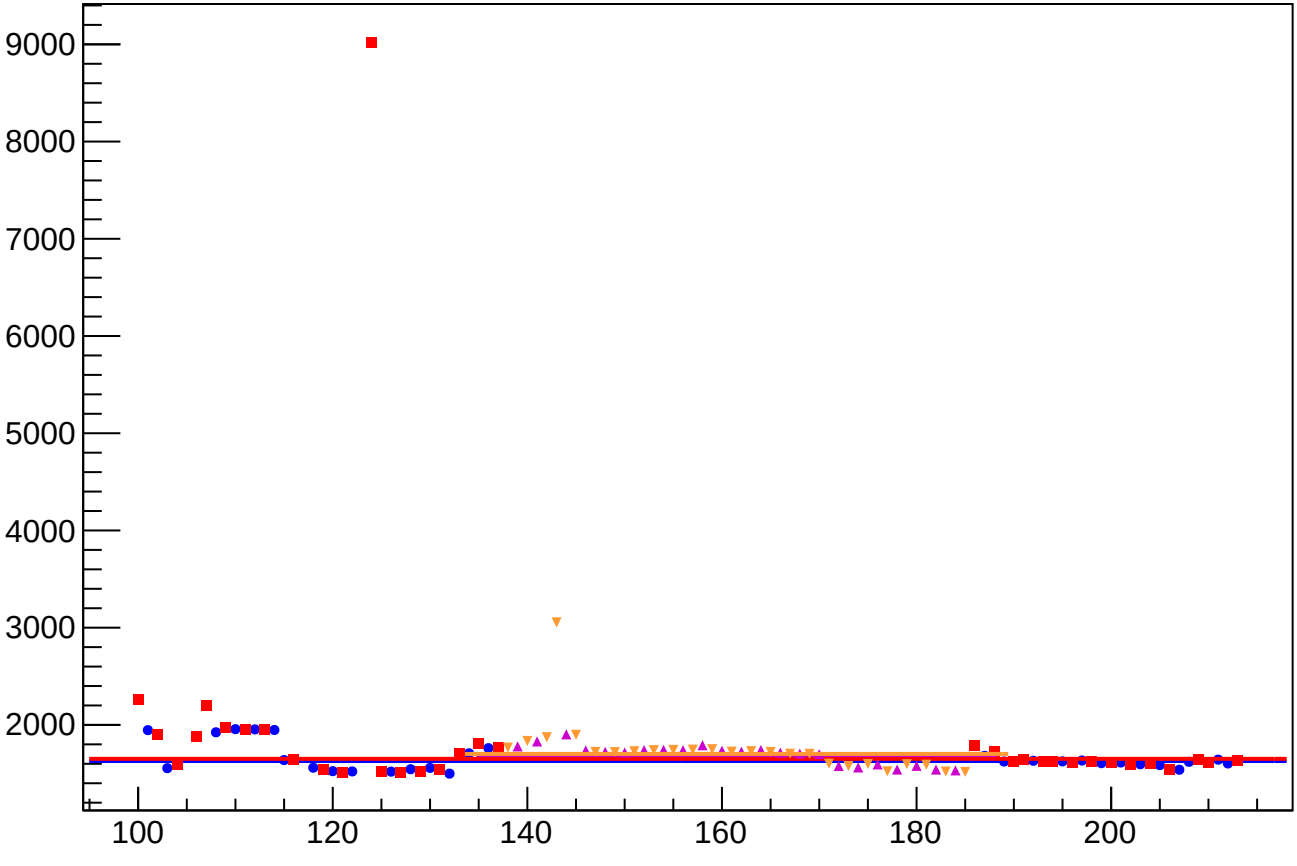
Right: -405.590+/-273.193 χ^2/NDF: 59.4/62

In: -374.025+/-277.929 χ^2/NDF:32.2/51

Out: -188.341+/-272.441 χ^2/NDF:76.6/58

All: -279.332+/-194.556 χ^2/NDF: 109.0/110

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1628.524+/-0.276 χ^2/NDF: 157651.5/28

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

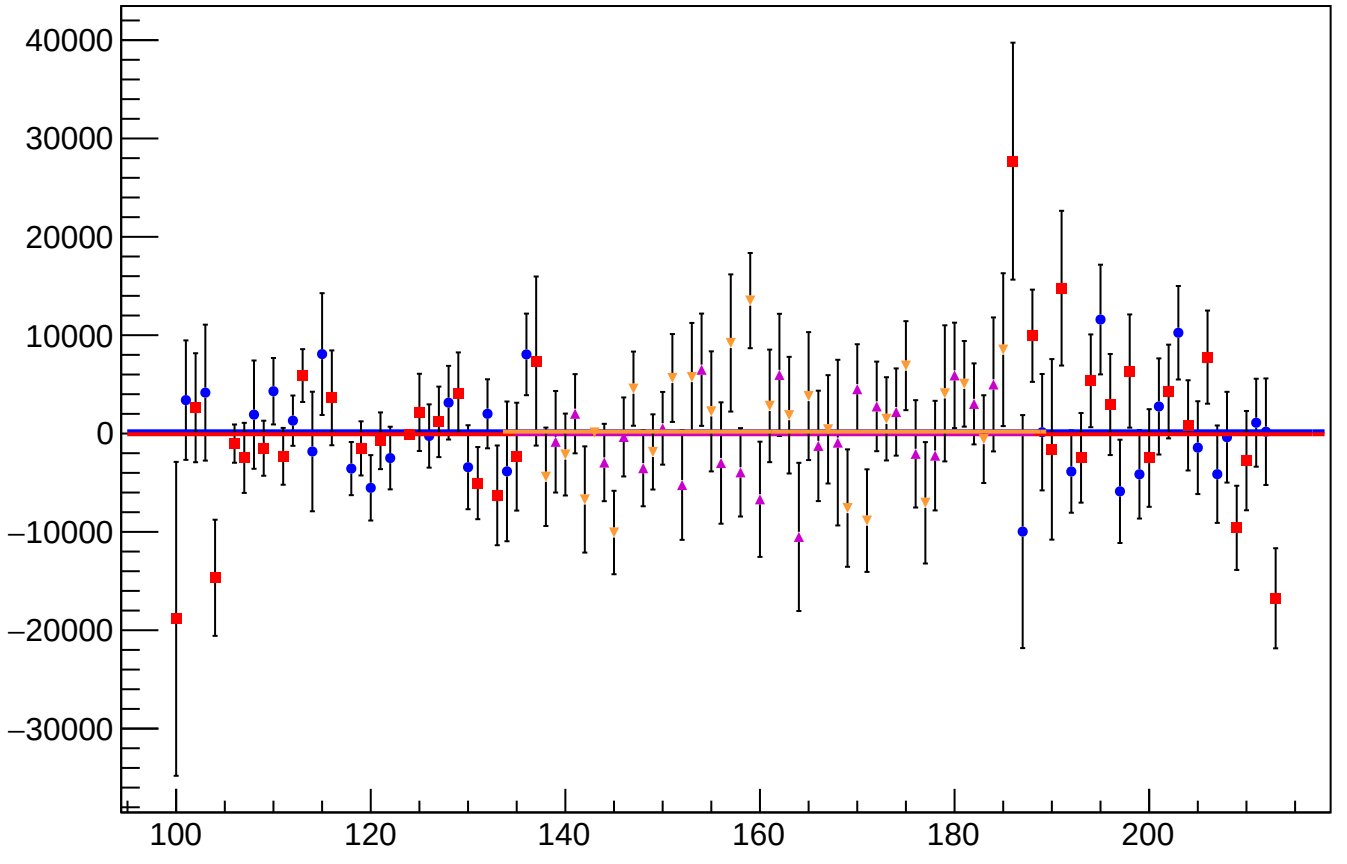
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1640.087+/-0.193 χ^2/NDF: 584019.3/62

In: 1658.575+/-0.197 χ^2/NDF:303843.6/51

Out: 1675.830+/-0.192 χ^2/NDF:892541.5/58

All: 1667.382+/-0.138 χ^2/NDF: 1200319.6/11



Right In: 225.650+/-791.558 χ^2/NDF: 29.0/28

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

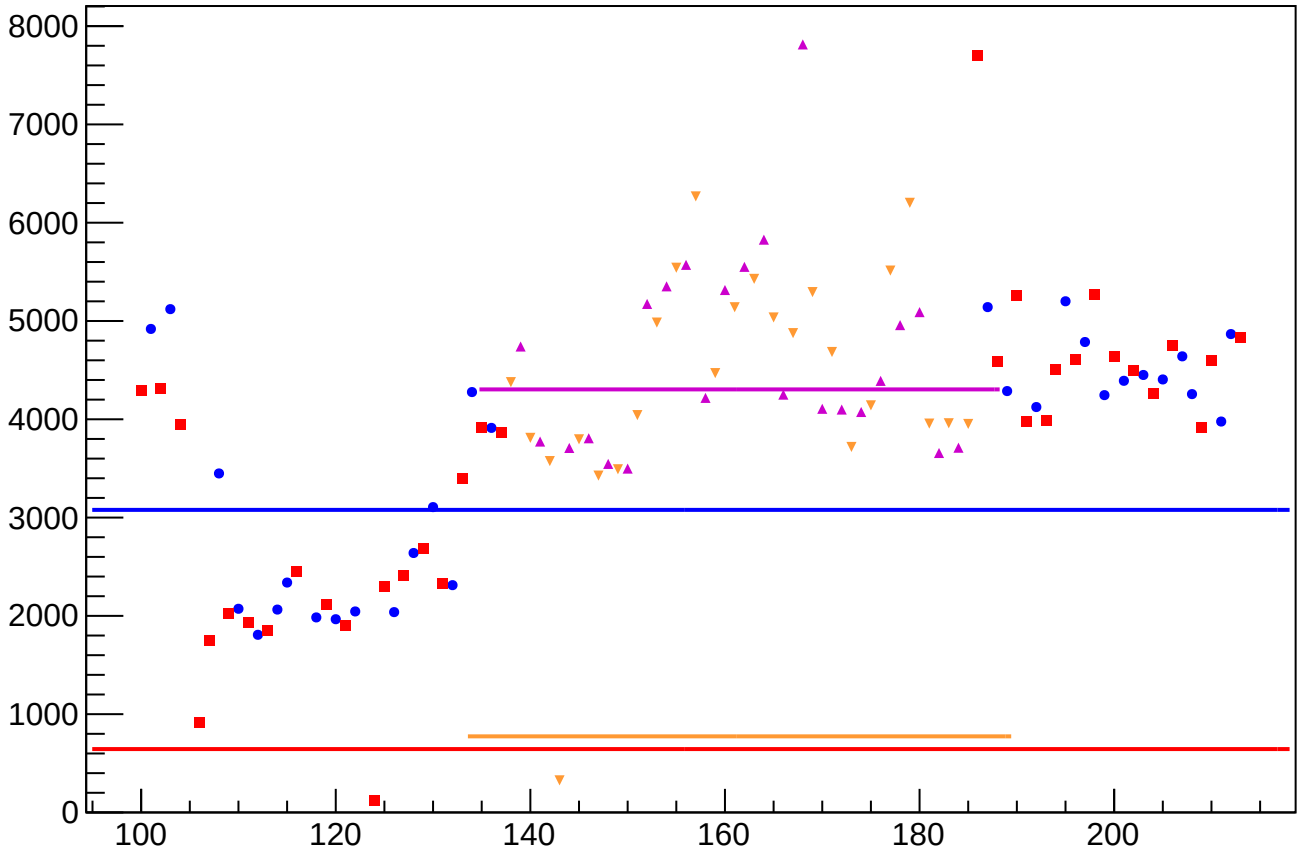
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: -30.455+/-292.484 χ^2/NDF: 86.5/62

In: 130.676+/-626.602 χ^2/NDF:42.4/51

Out: 49.893+/-231.952 χ^2/NDF:91.6/58

All: 59.628+/-217.526 χ^2/NDF: 133.9/110



Right In: 3078.333+/-0.560 χ^2/NDF: 4357367.7/28

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

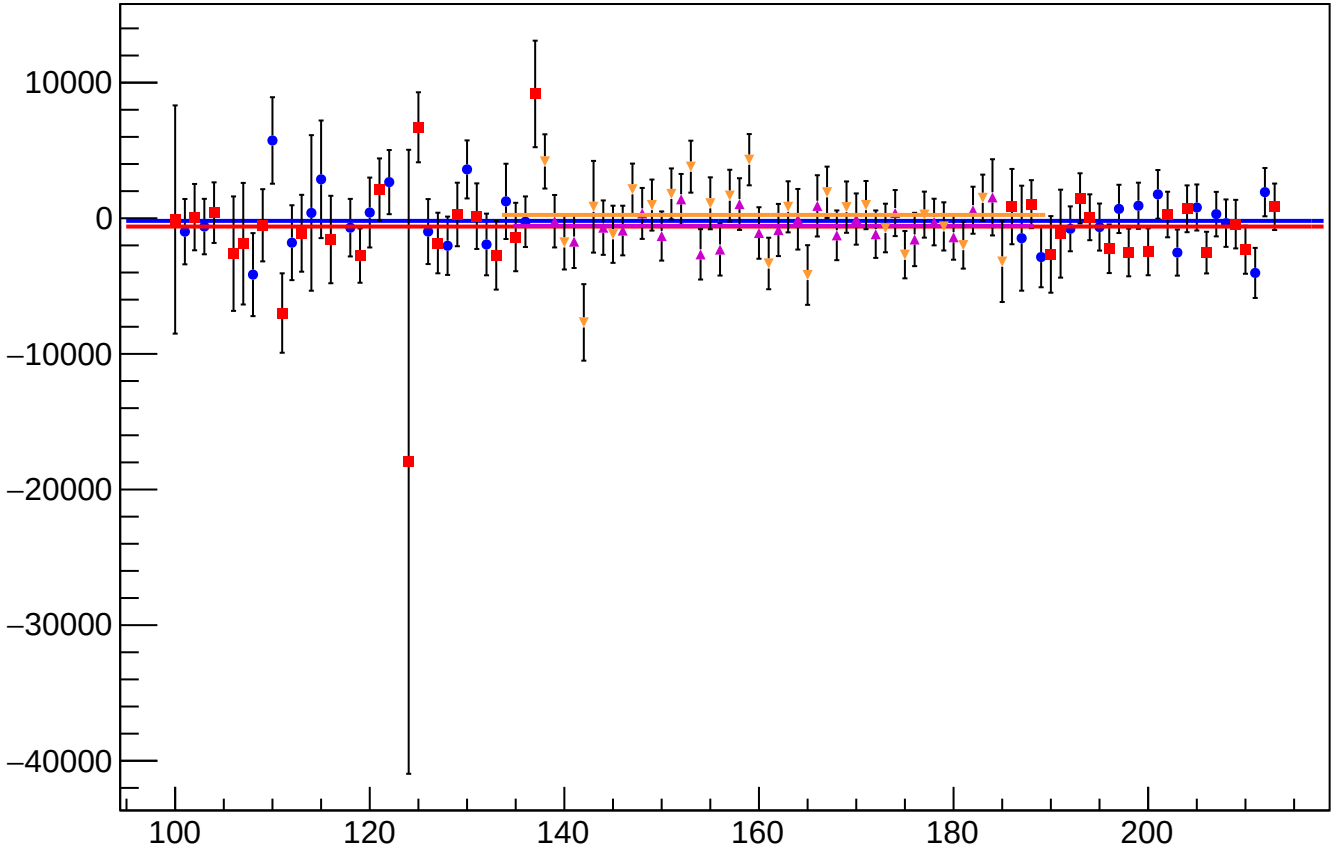
Right: 977.116+/-0.207 χ^2/NDF: 49669752.2/62

In: 3535.951+/-0.443 χ^2/NDF:7364314.3/51

Out: 703.981+/-0.164 χ^2/NDF:57230840.0/58

All: 1045.275+/-0.154 χ^2/NDF: 100524747.4

cor_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -191.822+/-391.022 χ^2/NDF: 24.2/28

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

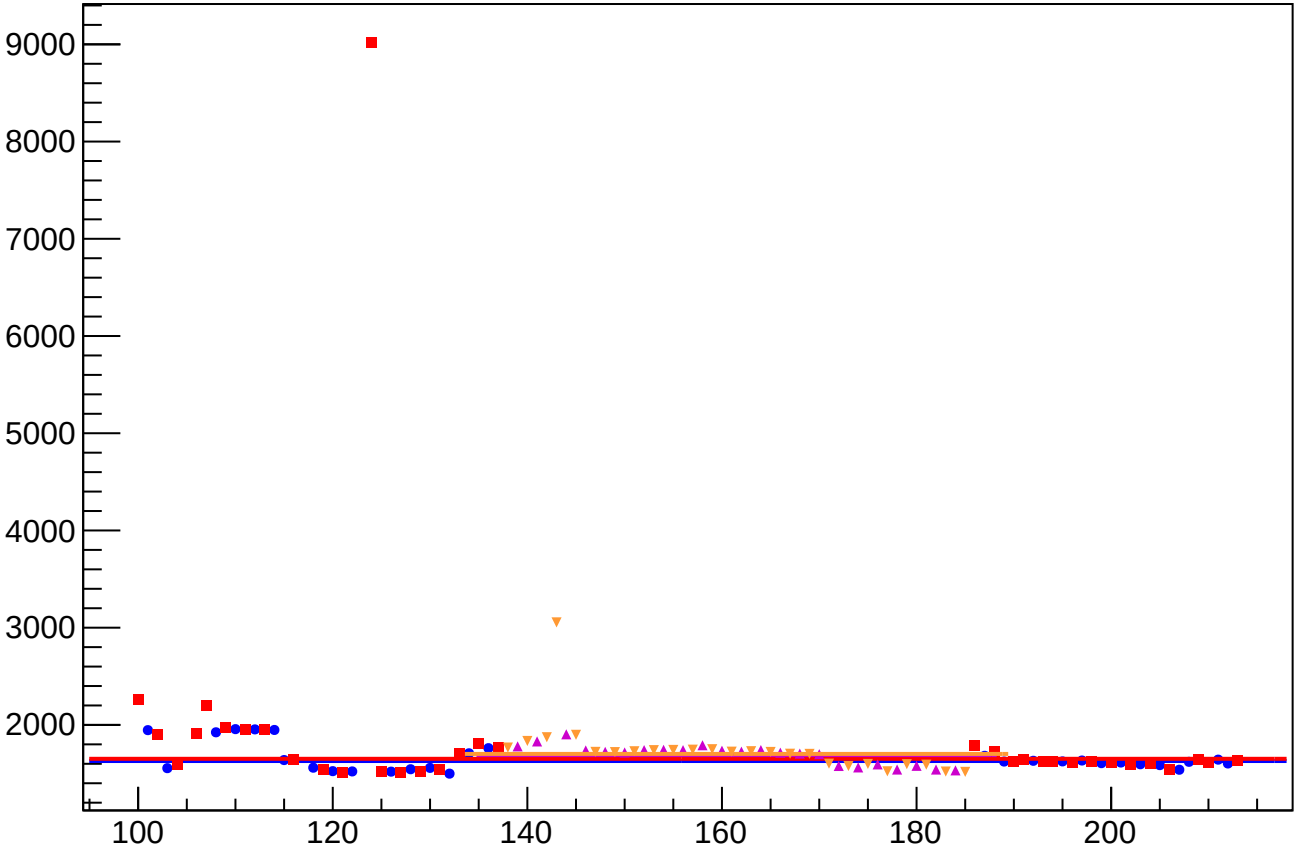
Right: -406.349+/-273.194 χ^2/NDF: 59.4/62

In: -373.975+/-277.929 χ^2/NDF:32.2/51

Out: -189.135+/-272.442 χ^2/NDF:76.6/58

All: -279.712+/-194.557 χ^2/NDF: 109.0/110

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1628.524+/-0.276 χ^2/NDF: 157651.5/28

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

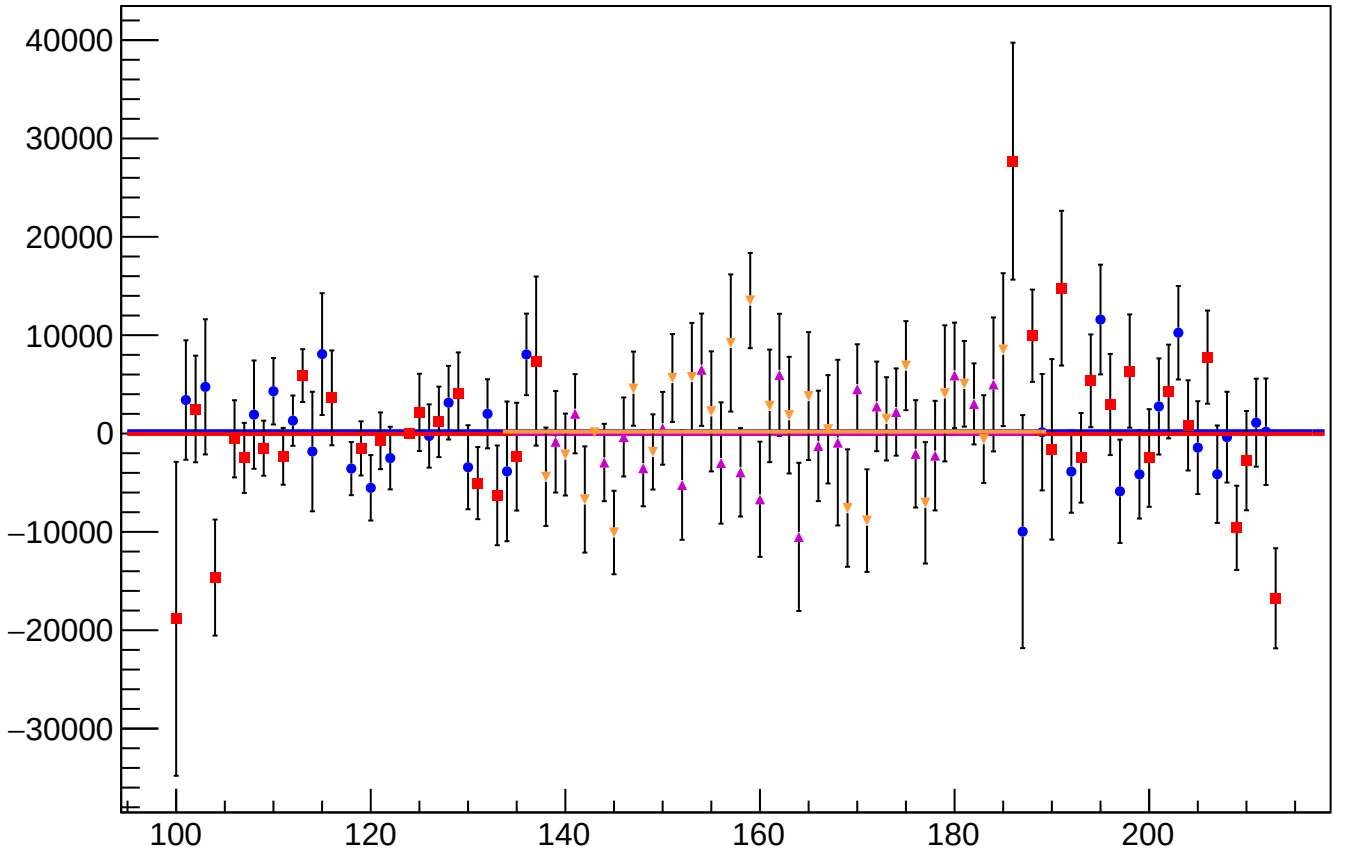
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1640.226+/-0.193 χ^2/NDF: 586208.0/62

In: 1658.575+/-0.197 χ^2/NDF:303843.7/51

Out: 1675.974+/-0.192 χ^2/NDF:894458.3/58

All: 1667.455+/-0.138 χ^2/NDF: 1202302.1/11



Right In: 234.236+/-791.492 χ^2/NDF: 29.1/28

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

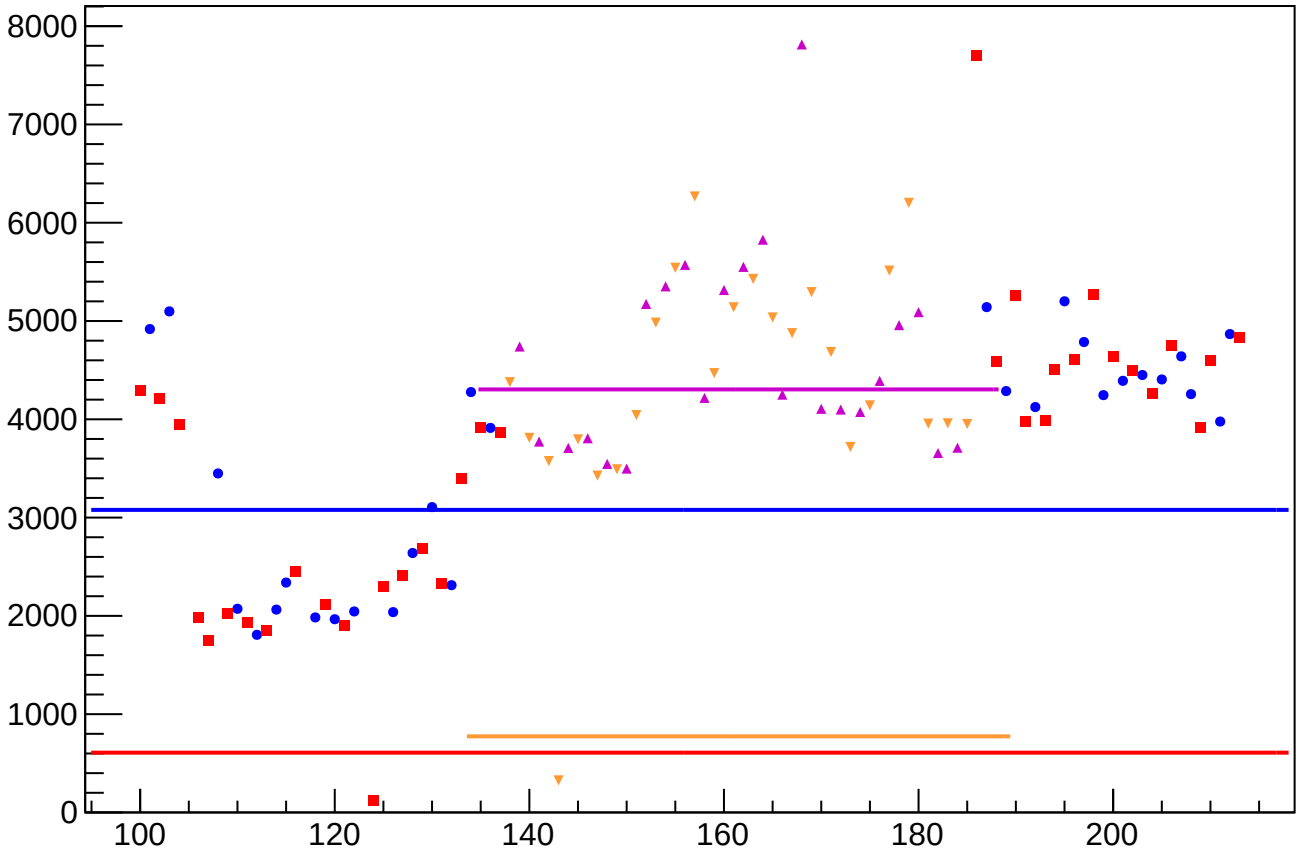
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -5.663+/-286.572 χ^2/NDF: 86.3/62

In: 136.052+/-626.569 χ^2/NDF:42.5/51

Out: 63.138+/-228.964 χ^2/NDF:91.2/58

All: 71.728+/-215.055 χ^2/NDF: 133.7/110



Right In: 3078.337+/-0.560 χ^2/NDF: 4355432.0/28

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

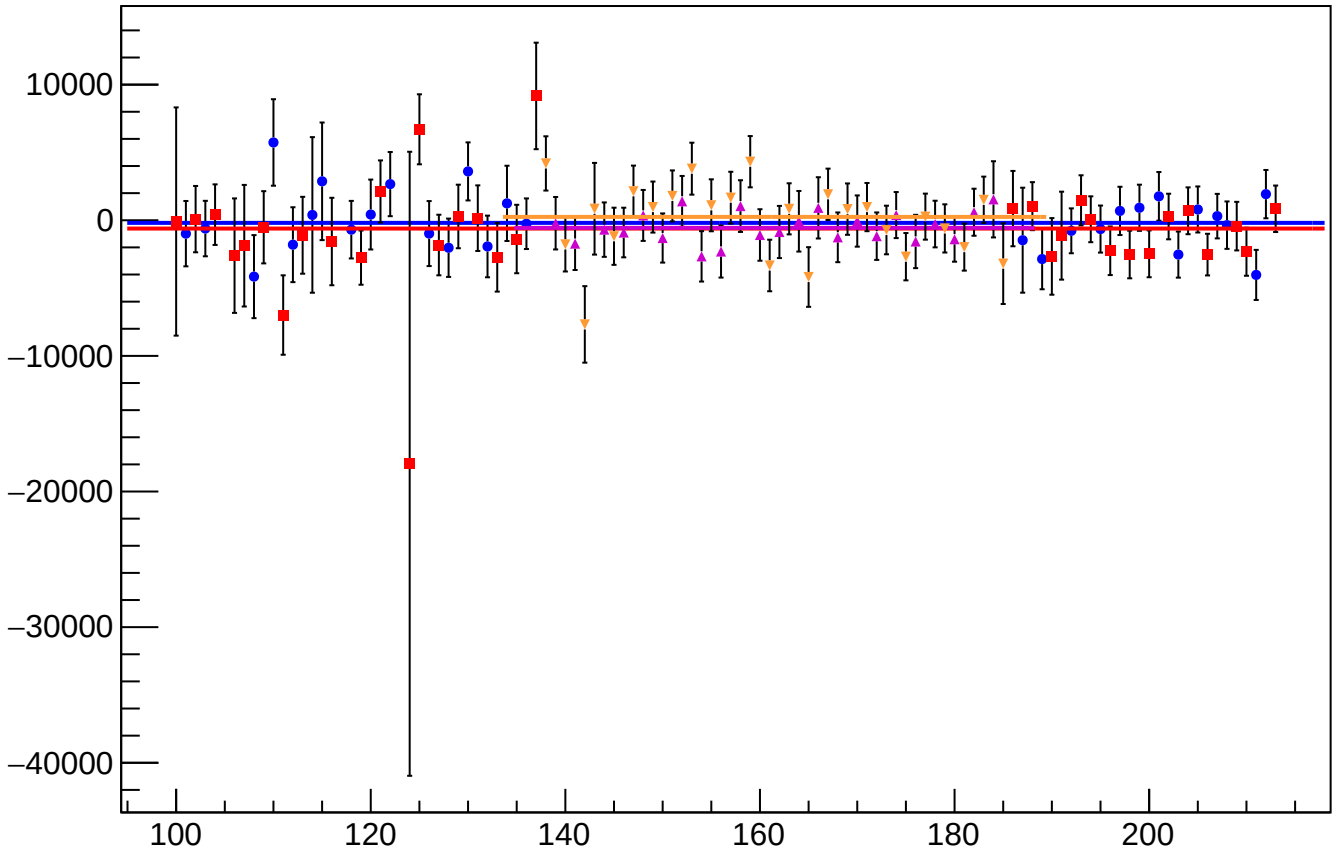
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 932.136+/-0.203 χ^2/NDF: 50899480.8/62

In: 3535.904+/-0.443 χ^2/NDF:7362458.9/51

Out: 682.176+/-0.162 χ^2/NDF:57965535.2/58

All: 1018.358+/-0.152 χ^2/NDF: 101928111.3



Right In: -191.822+/-391.022 χ^2/NDF: 24.2/28

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

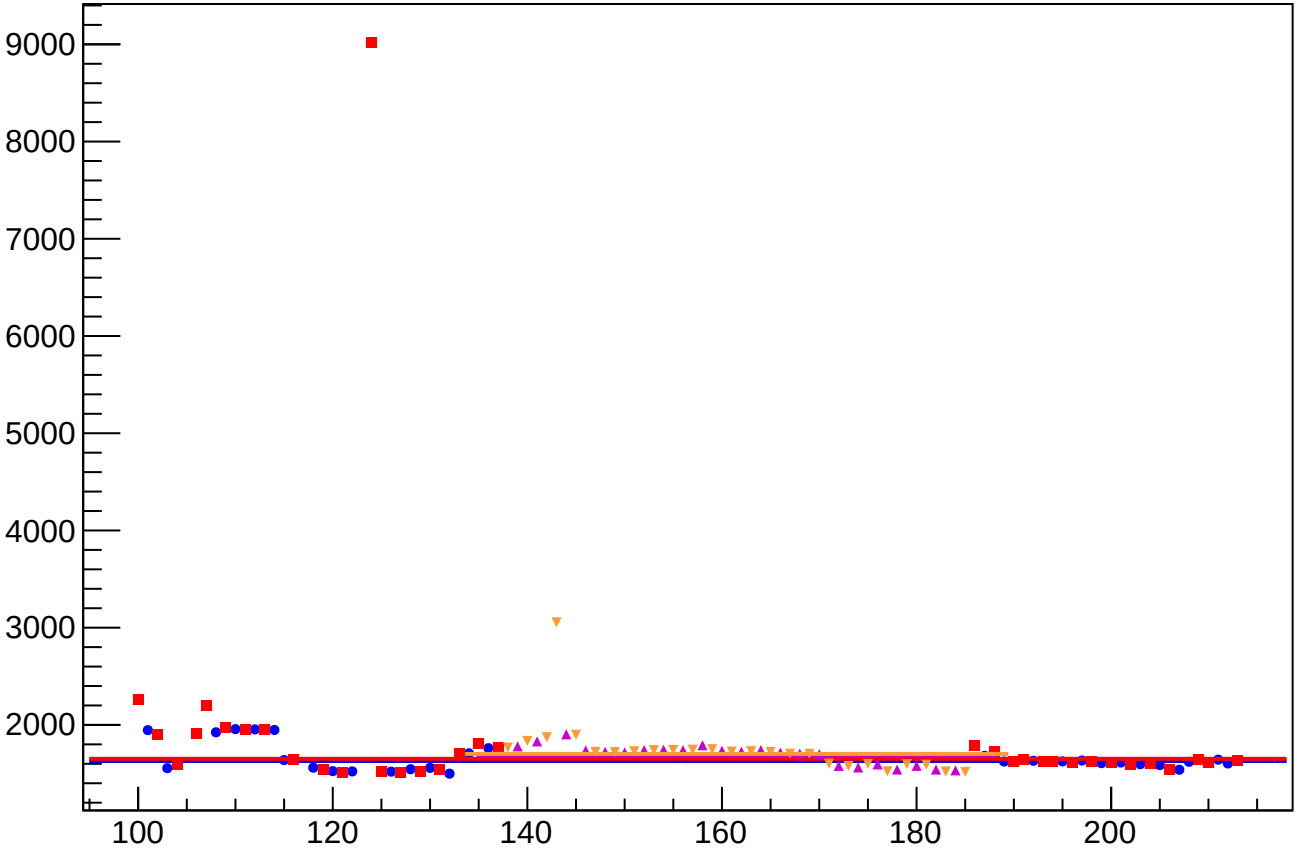
Right: -406.349+/-273.194 χ^2/NDF: 59.4/62

In: -373.975+/-277.929 χ^2/NDF:32.2/51

Out: -189.135+/-272.442 χ^2/NDF:76.6/58

All: -279.712+/-194.557 χ^2/NDF: 109.0/110

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1628.524+/-0.276 χ^2/NDF: 157651.5/28

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

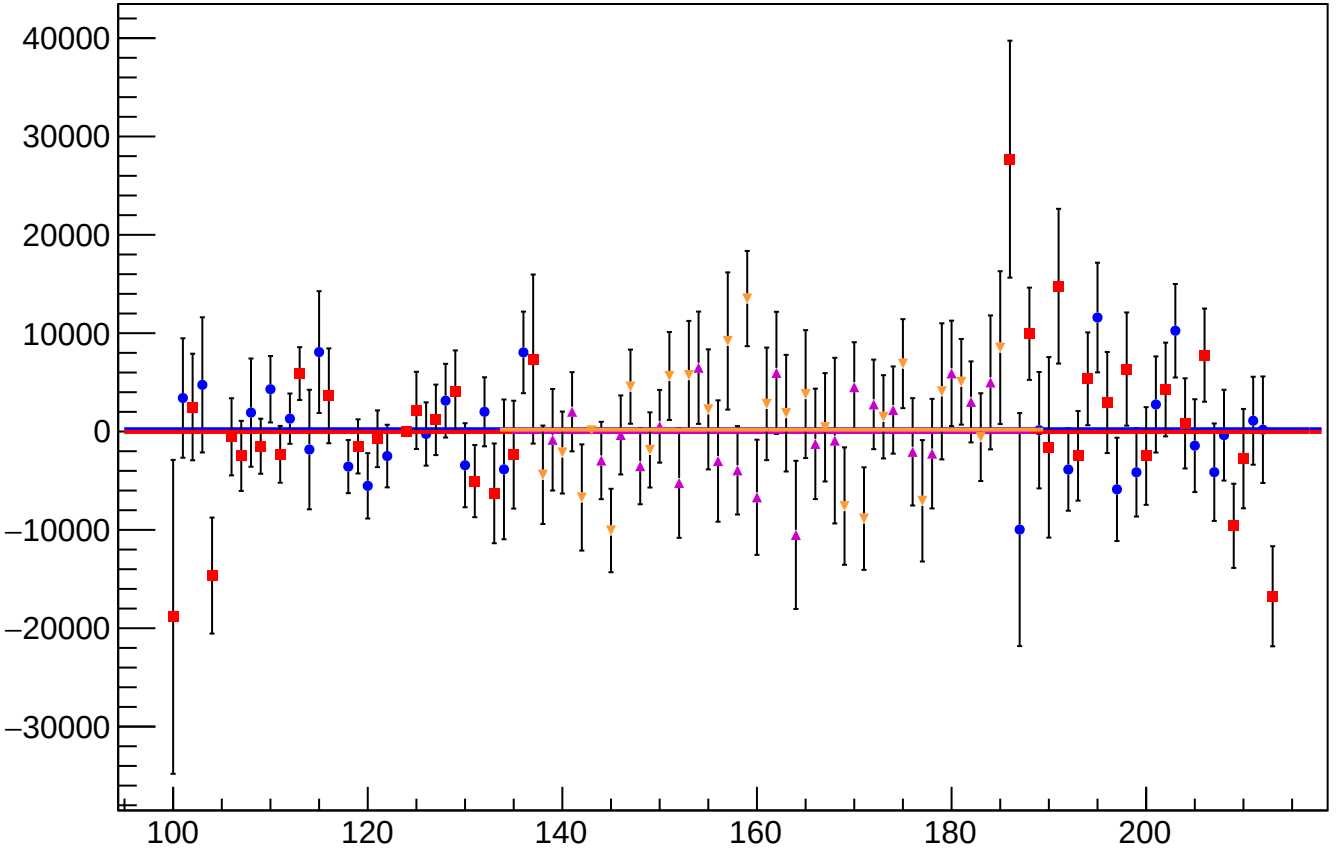
Right: 1640.226+/-0.193 χ^2/NDF: 586208.0/62

In: 1658.575+/-0.197 χ^2/NDF:303843.7/51

Out: 1675.974+/-0.192 χ^2/NDF:894458.3/58

All: 1667.455+/-0.138 χ^2/NDF: 1202302.1/11

asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 234.236+/-791.492 χ^2/NDF: 29.1/28

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

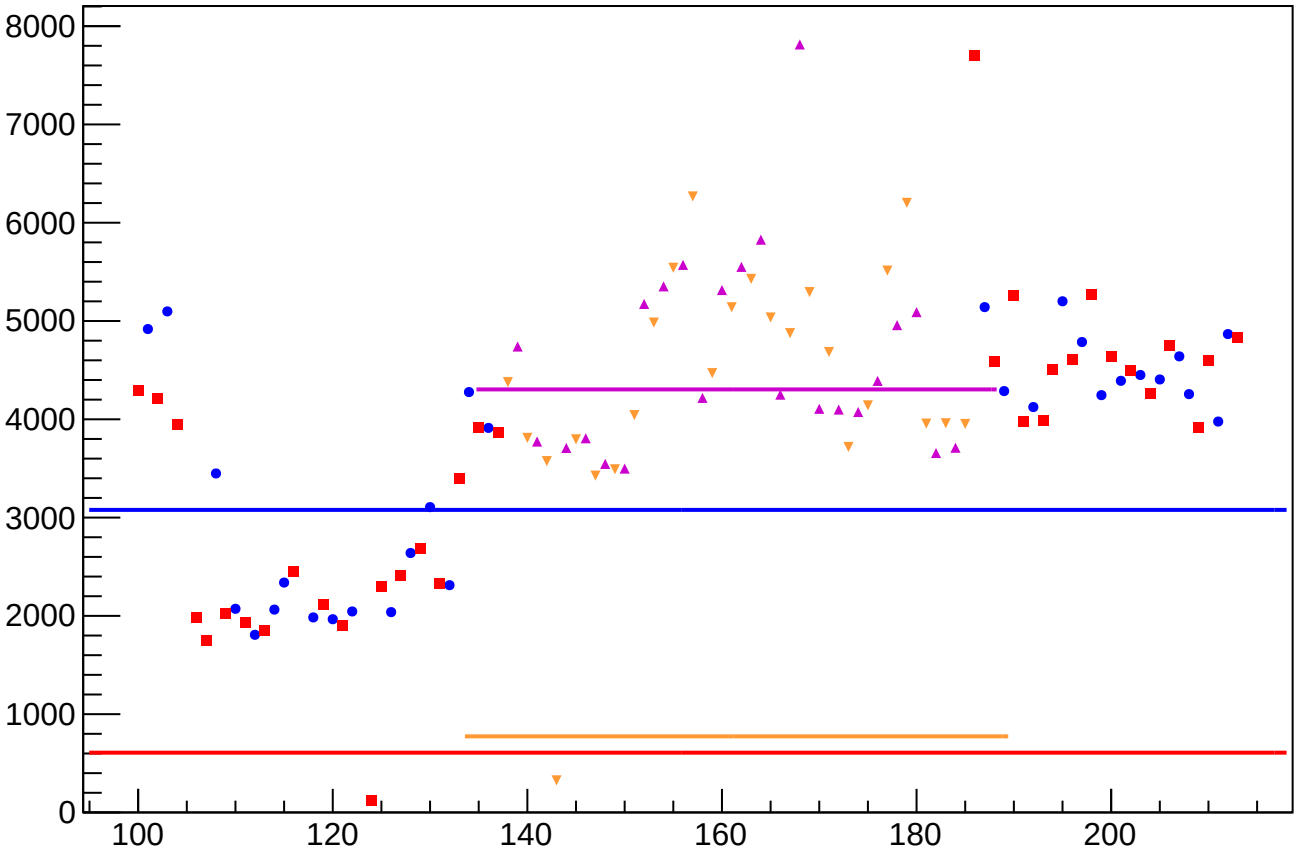
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -5.663+/-286.572 χ^2/NDF: 86.3/62

In: 136.052+/-626.569 χ^2/NDF:42.5/51

Out: 63.138+/-228.964 χ^2/NDF:91.2/58

All: 71.728+/-215.055 χ^2/NDF: 133.7/110



Right In: 3078.337+/-0.560 χ^2/NDF: 4355432.0/28

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

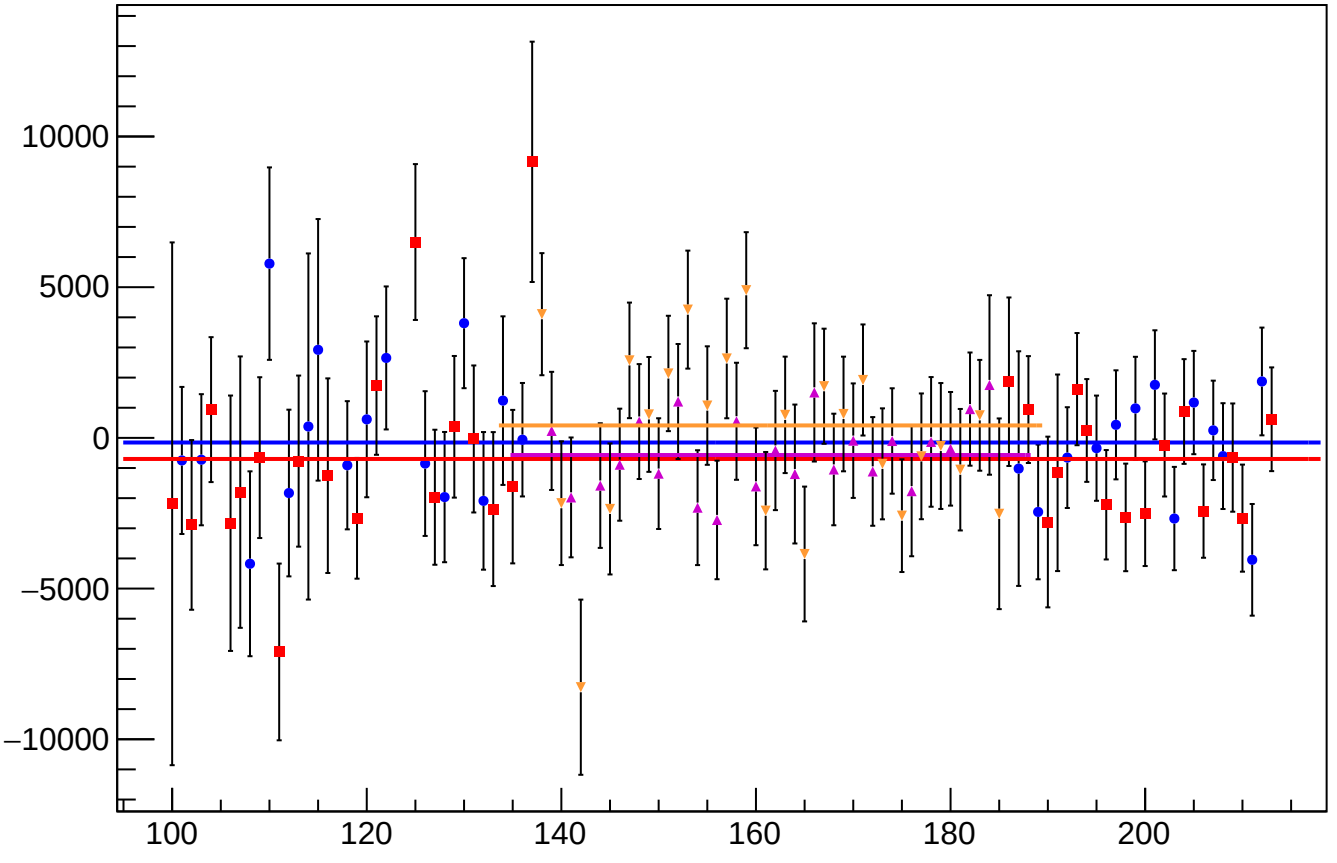
Right: 932.136+/-0.203 χ^2/NDF: 50899480.8/62

In: 3535.904+/-0.443 χ^2/NDF:7362458.9/51

Out: 682.176+/-0.162 χ^2/NDF:57965535.2/58

All: 1018.358+/-0.152 χ^2/NDF: 101928111.3

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -153.550+/-394.297 χ^2/NDF: 24.4/28

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

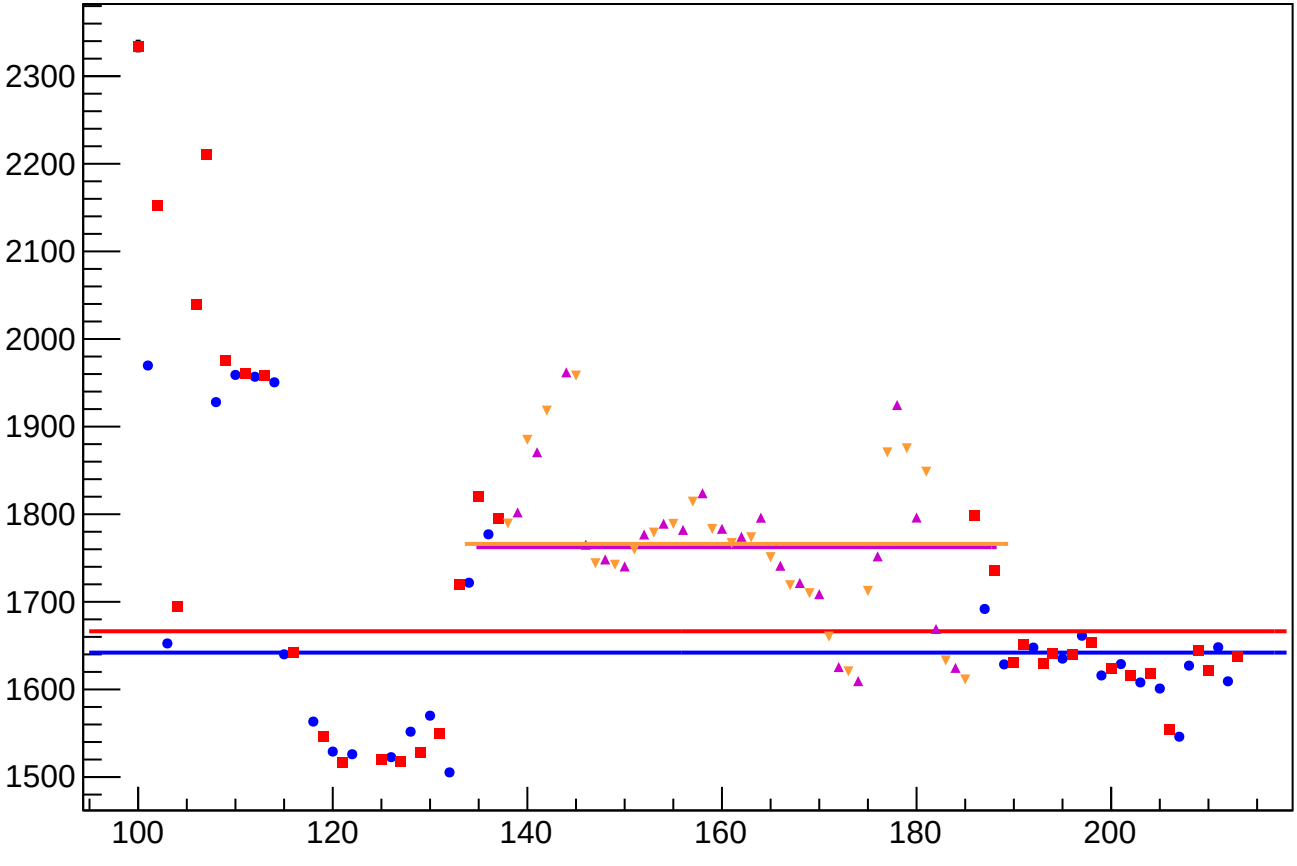
Right: -432.198+/-275.918 χ^2/NDF: 59.7/61

In: -352.047+/-284.880 χ^2/NDF:32.6/51

Out: -177.035+/-281.310 χ^2/NDF:78.3/56

All: -263.438+/-200.167 χ^2/NDF: 111.1/108

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1642.052+/-0.279 χ^2/NDF: 156792.6/28

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

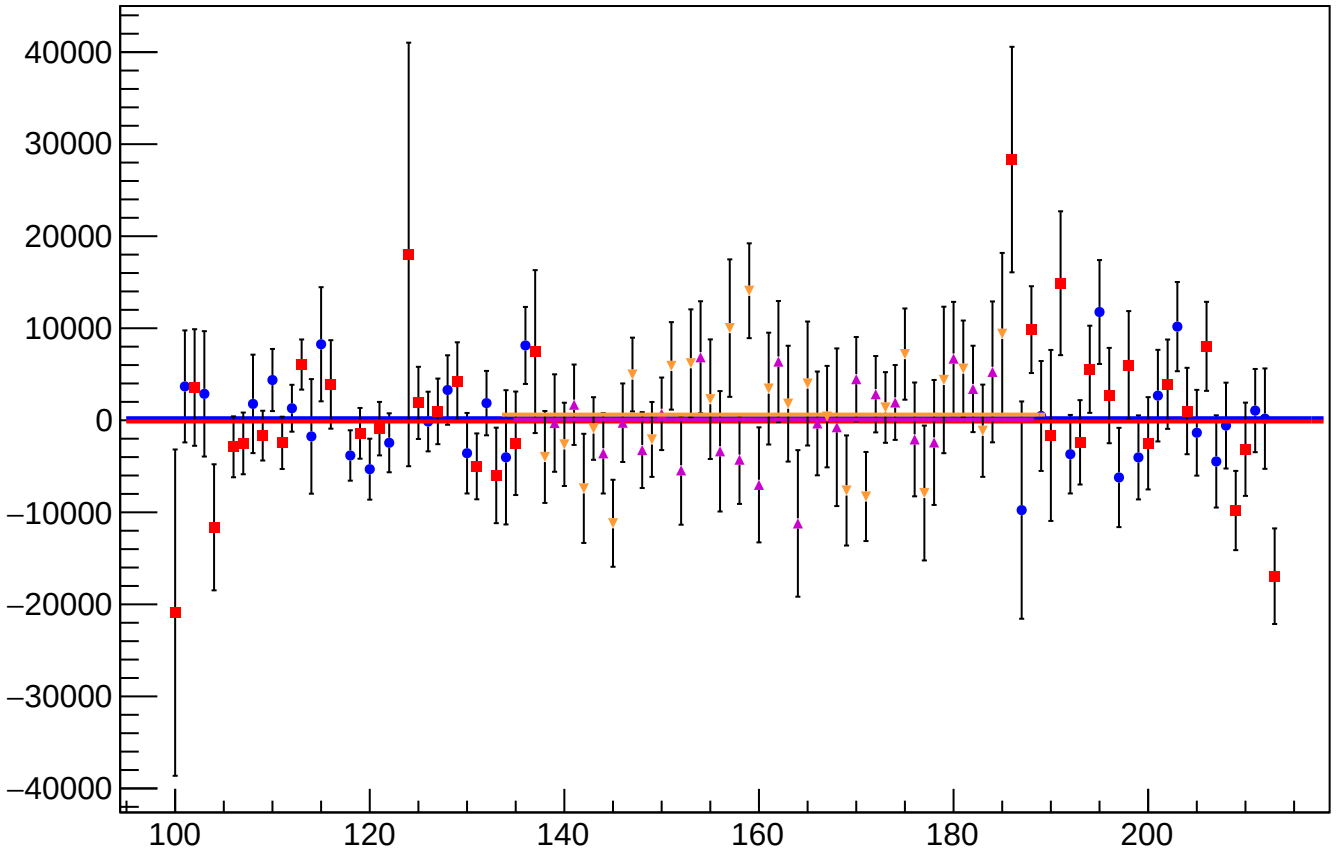
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1654.485+/-0.195 χ^2/NDF: 427800.8/61

In: 1699.580+/-0.201 χ^2/NDF:325950.3/51

Out: 1713.175+/-0.199 χ^2/NDF:413013.7/56

All: 1706.466+/-0.142 χ^2/NDF: 741271.3/108



Right In: 224.268+/-796.611 χ^2/NDF: 28.8/28

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

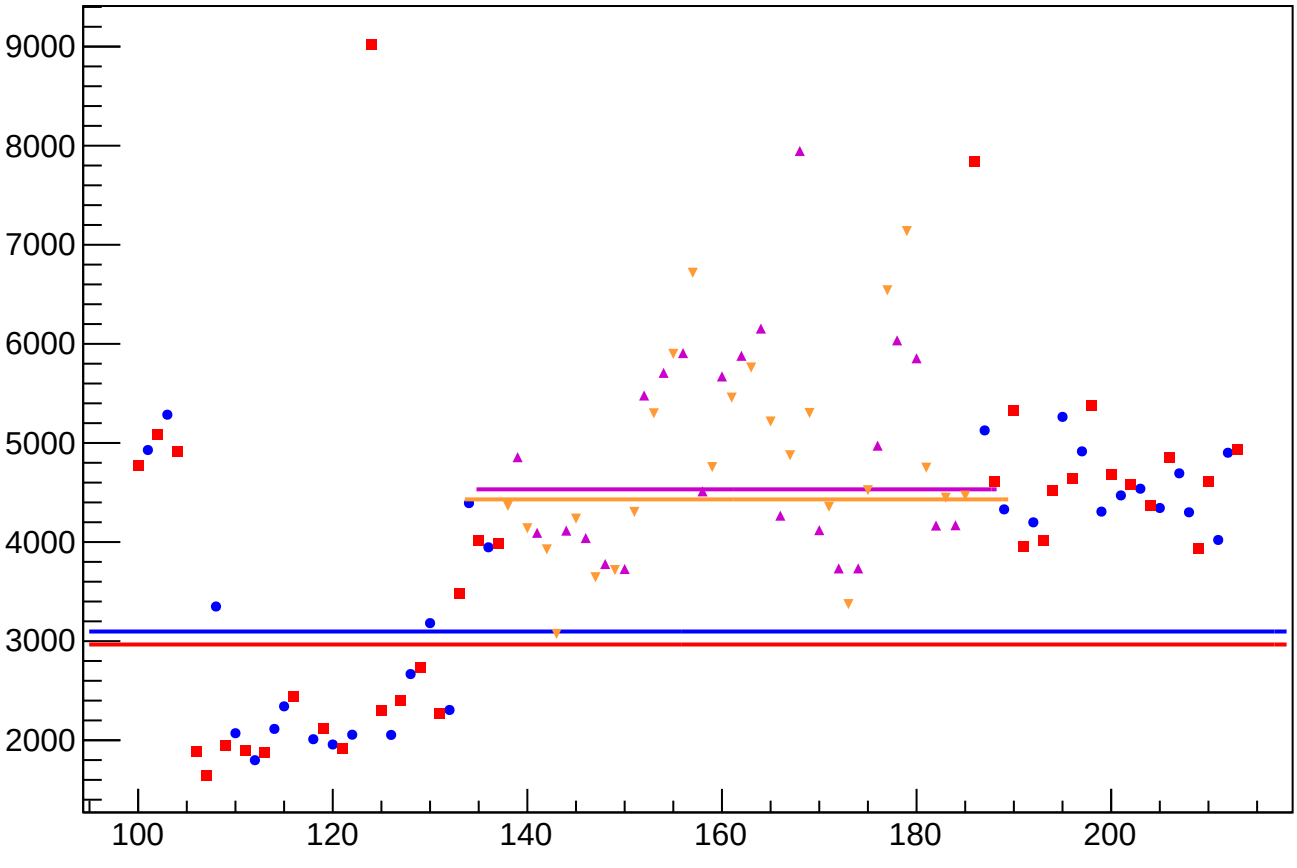
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 33.074+/-542.819 χ^2/NDF: 84.2/62

In: 175.523+/-641.607 χ^2/NDF:41.7/51

Out: 122.697+/-602.789 χ^2/NDF:88.7/58

All: 147.464+/-439.318 χ^2/NDF: 130.5/110



Right In: 3097.346+/-0.563 χ^2/NDF: 4472596.5/28

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

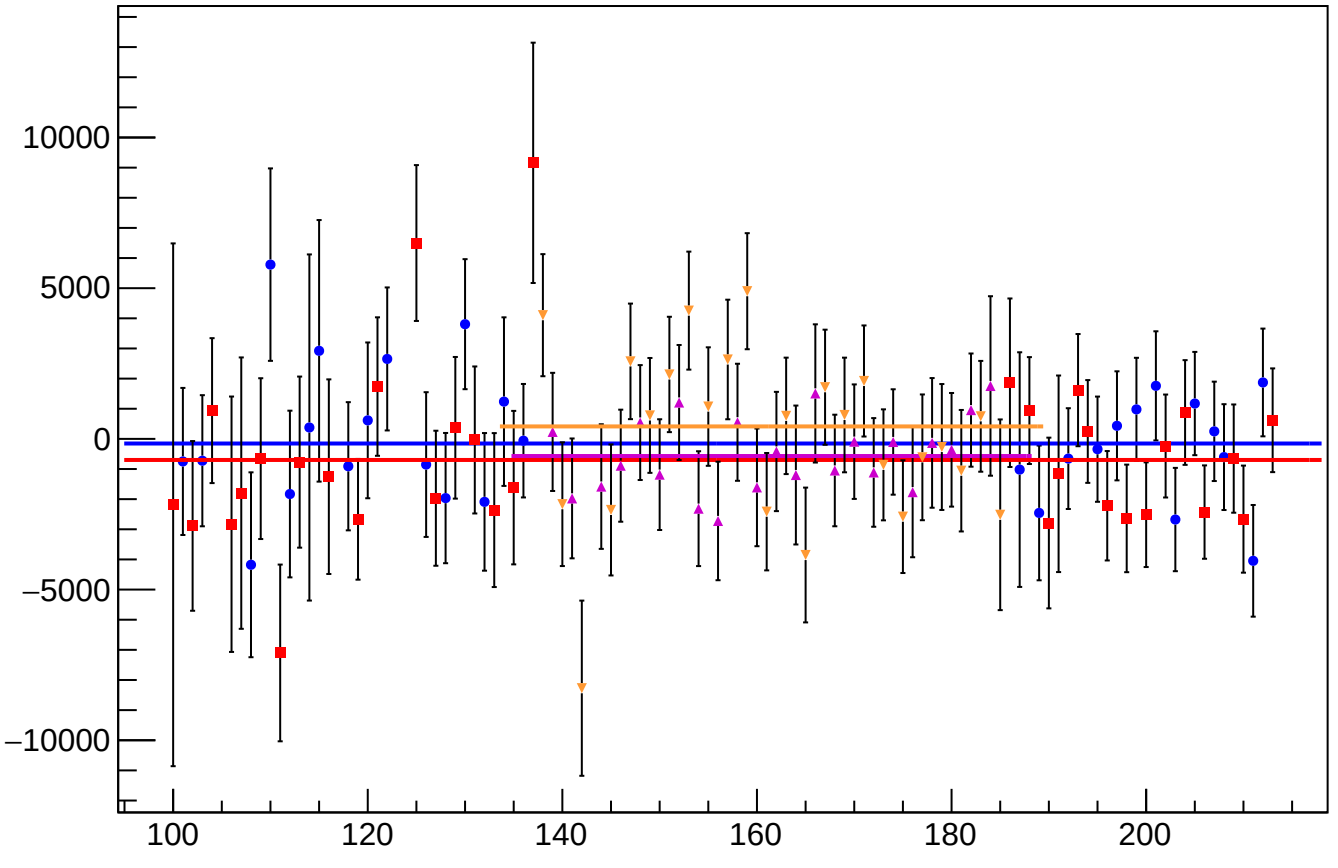
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 3027.088+/-0.384 χ^2/NDF: 10360838.7/62

In: 3601.317+/-0.454 χ^2/NDF:8127698.8/51

Out: 3463.306+/-0.426 χ^2/NDF:10119779.4/58

All: 3528.011+/-0.311 χ^2/NDF: 18296630.7/1



Right In: -153.552+/-394.297 χ^2/NDF: 24.4/28

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

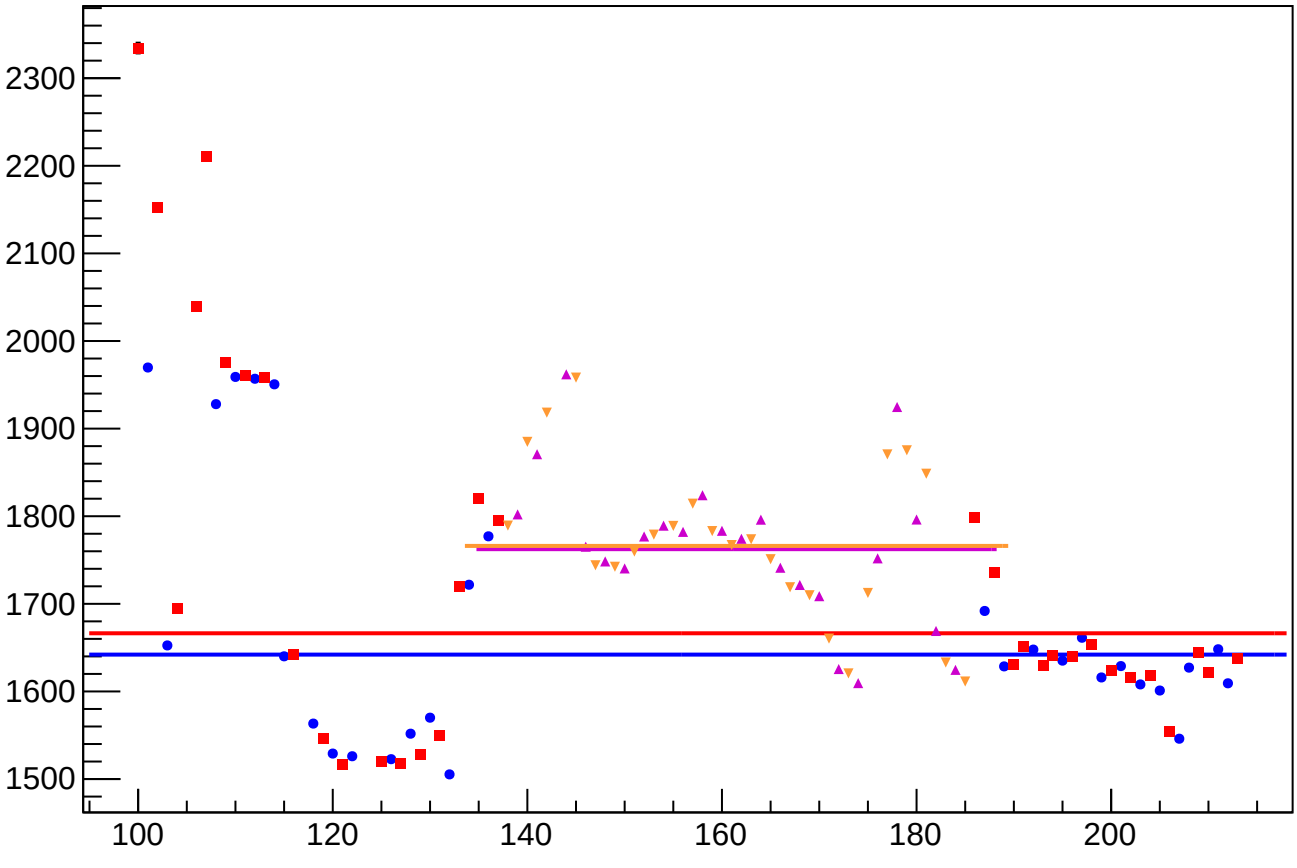
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -432.198+/-275.918 χ^2/NDF: 59.7/61

In: -352.048+/-284.880 χ^2/NDF:32.6/51

Out: -177.034+/-281.310 χ^2/NDF:78.3/56

All: -263.437+/-200.167 χ^2/NDF: 111.1/108



Right In: 1642.052+/-0.279 χ^2/NDF: 156792.6/28

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

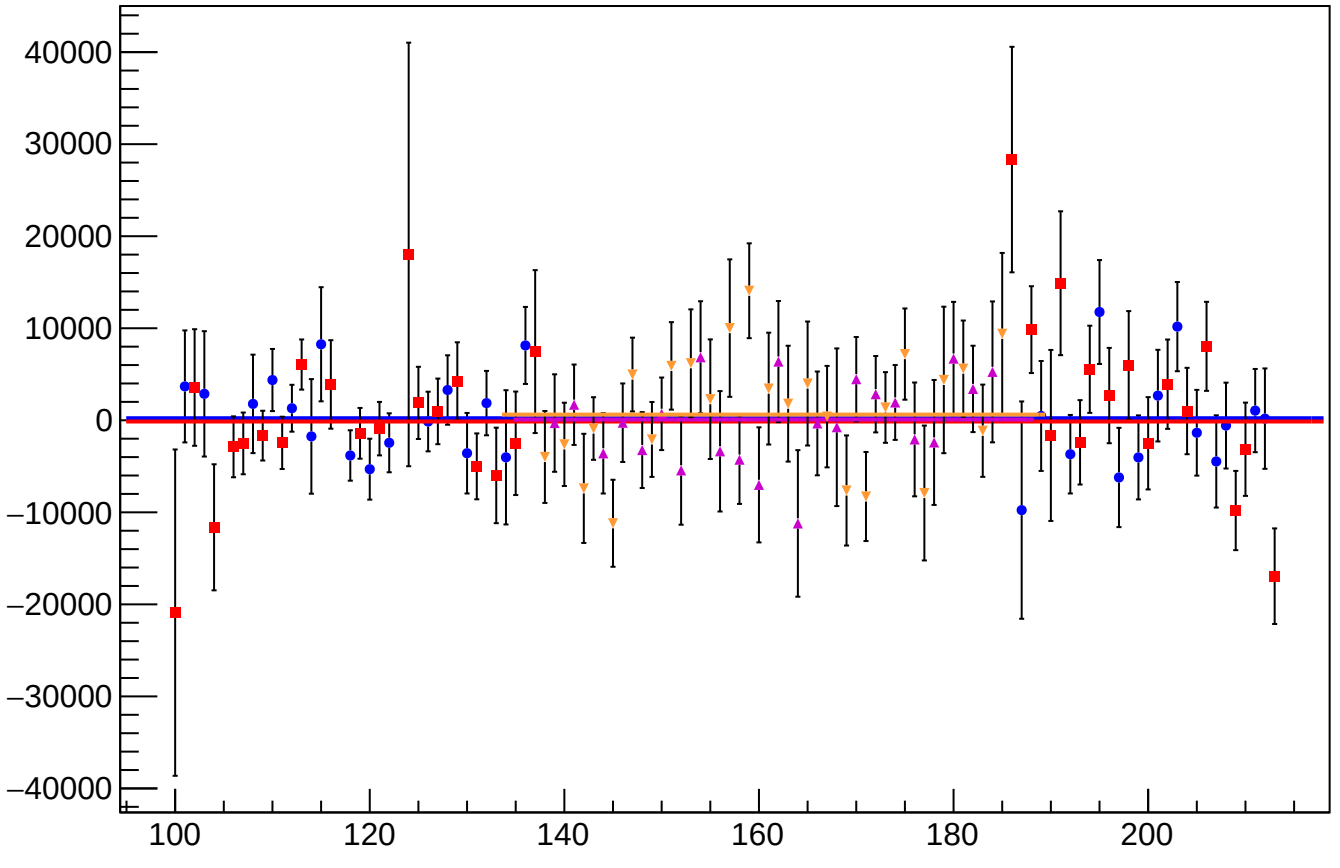
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1654.485+/-0.195 χ^2/NDF: 427799.5/61

In: 1699.581+/-0.201 χ^2/NDF:325954.2/51

Out: 1713.176+/-0.199 χ^2/NDF:413016.4/56

All: 1706.467+/-0.142 χ^2/NDF: 741277.8/108



Right In: 224.263+/-796.609 χ^2/NDF: 28.8/28

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

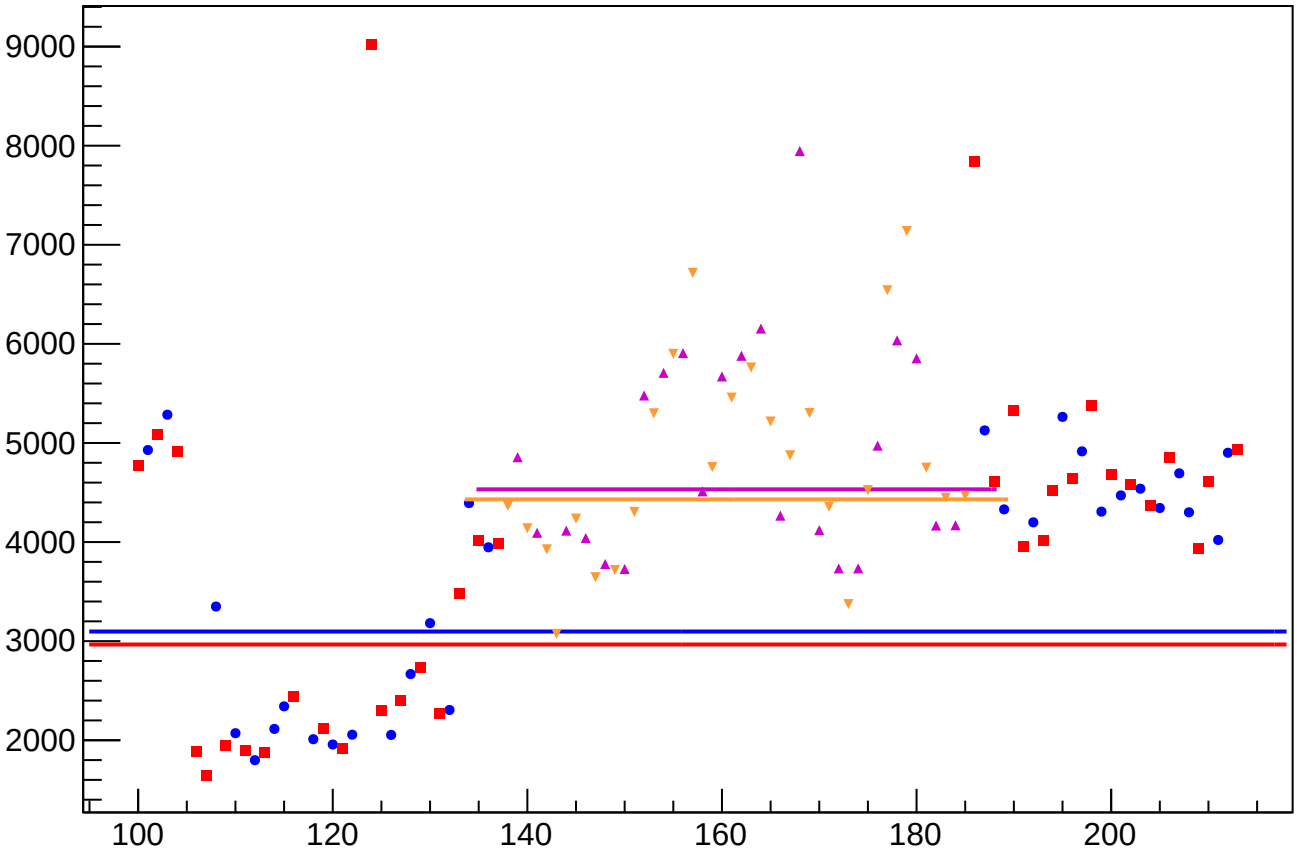
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 33.070+/-542.818 χ^2/NDF: 84.2/62

In: 175.520+/-641.606 χ^2/NDF:41.7/51

Out: 122.695+/-602.788 χ^2/NDF:88.7/58

All: 147.462+/-439.318 χ^2/NDF: 130.5/110



Right In: 3097.336+/-0.563 χ^2/NDF: 4472668.8/28

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2966.181+/-0.524 χ^2/NDF: 5859263.9/33

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

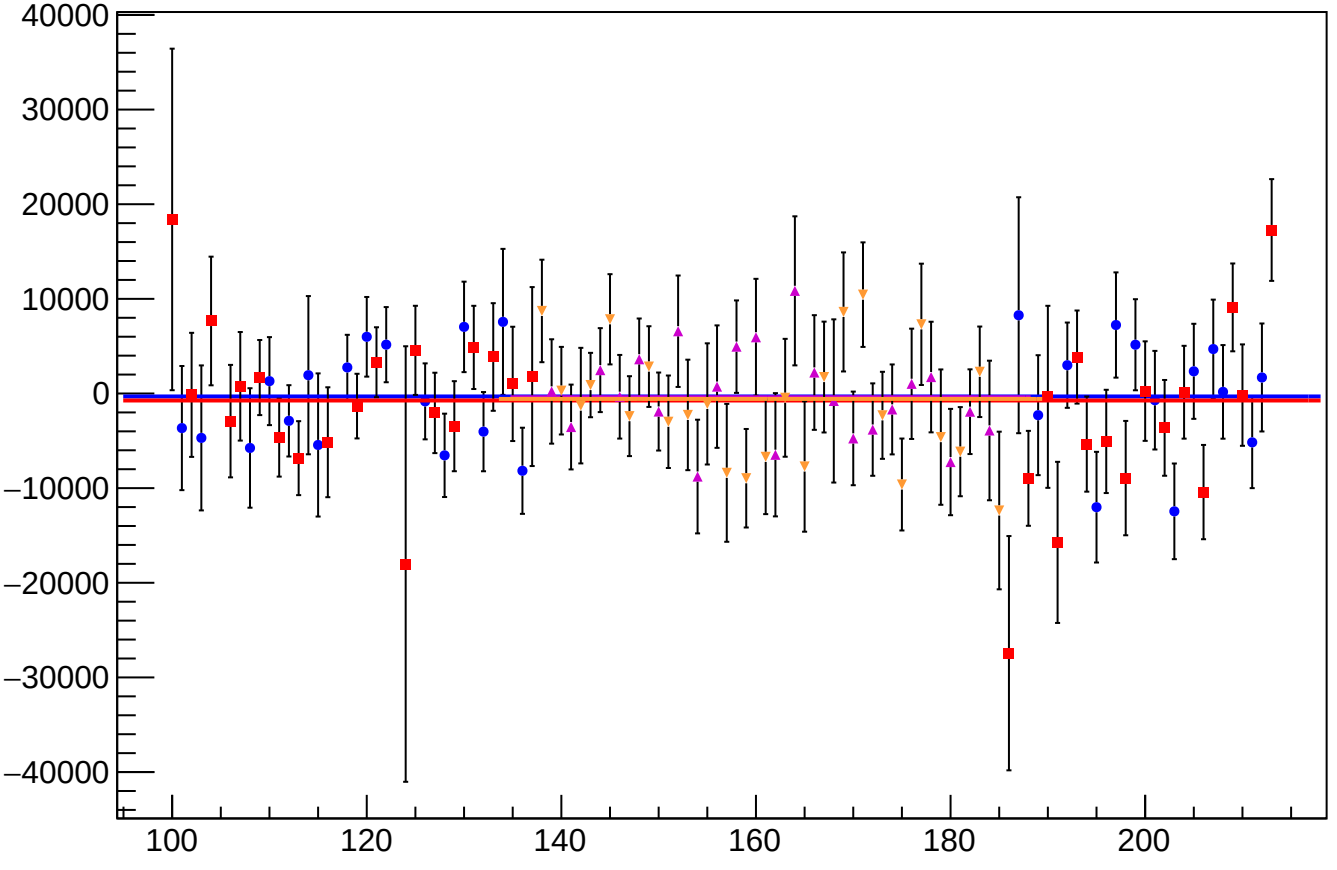
Right: 3027.079+/-0.384 χ^2/NDF: 10360973.9/62

In: 3601.311+/-0.454 χ^2/NDF:8127823.1/51

Out: 3463.300+/-0.426 χ^2/NDF:10119899.3/58

All: 3528.005+/-0.311 χ^2/NDF: 18296875.0/1

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -314.076+/-932.667 χ^2/NDF: 32.9/28

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

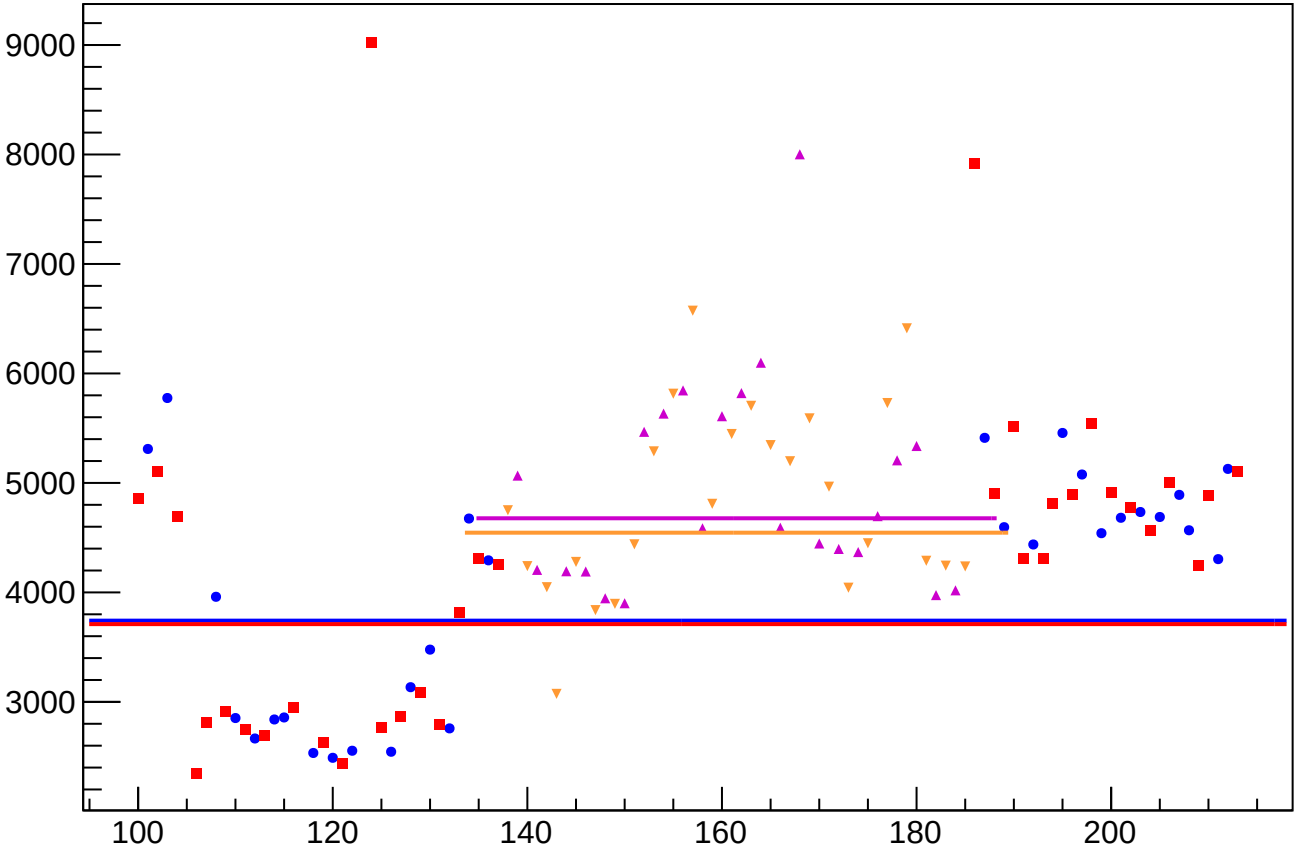
Right: -534.054+/-647.298 χ^2/NDF: 80.6/62

In: -348.993+/-713.927 χ^2/NDF:46.9/51

Out: -668.897+/-684.258 χ^2/NDF:76.4/58

All: -515.730+/-493.999 χ^2/NDF: 123.4/110

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3741.953+/-0.659 χ^2/NDF: 2511717.0/28

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

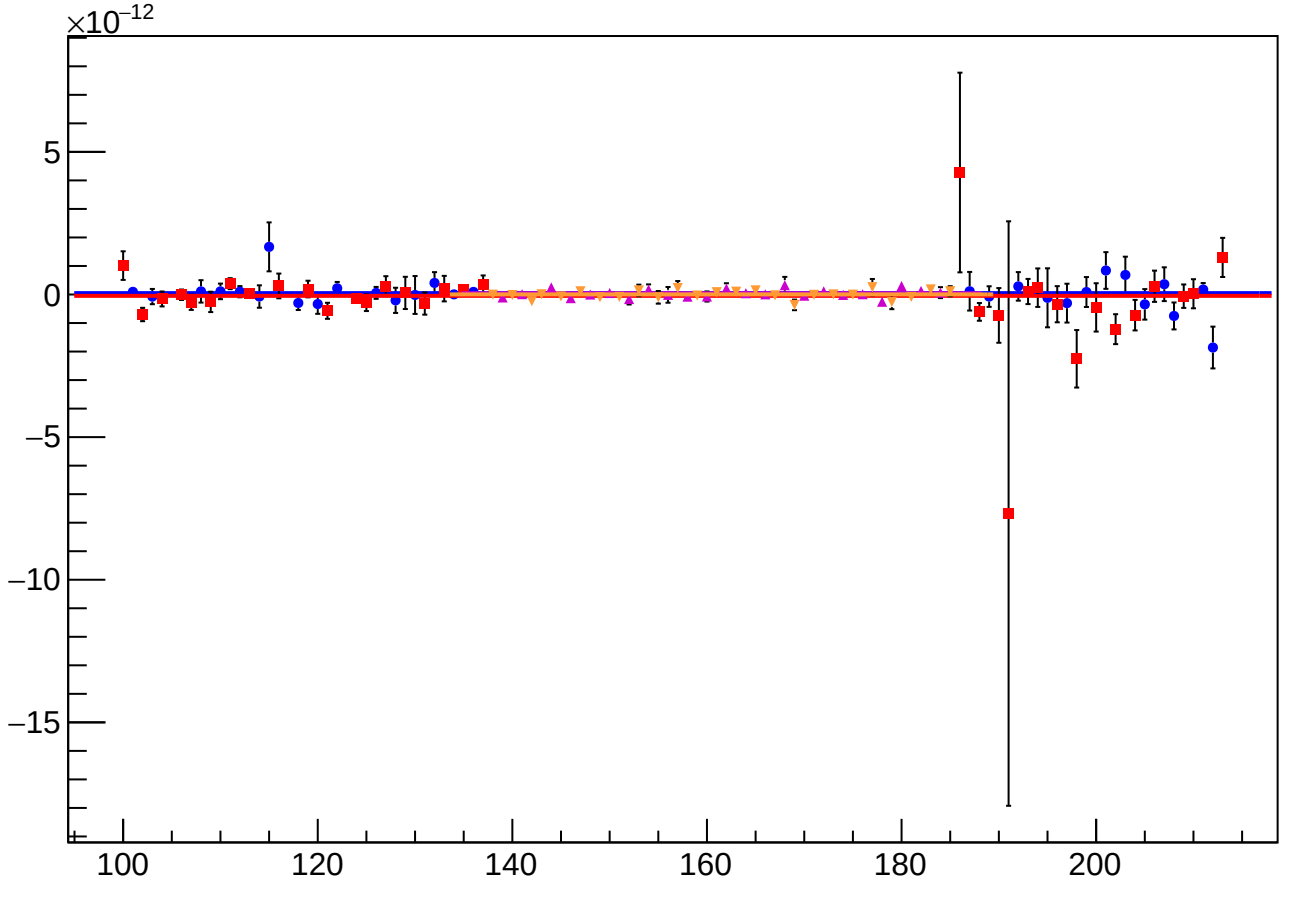
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3725.396+/-0.456 χ^2/NDF: 5571460.2/62

In: 4129.137+/-0.505 χ^2/NDF:4304038.0/51

Out: 4058.348+/-0.482 χ^2/NDF:5048413.8/58

All: 4092.071+/-0.348 χ^2/NDF: 9362747.6/11



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/28

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

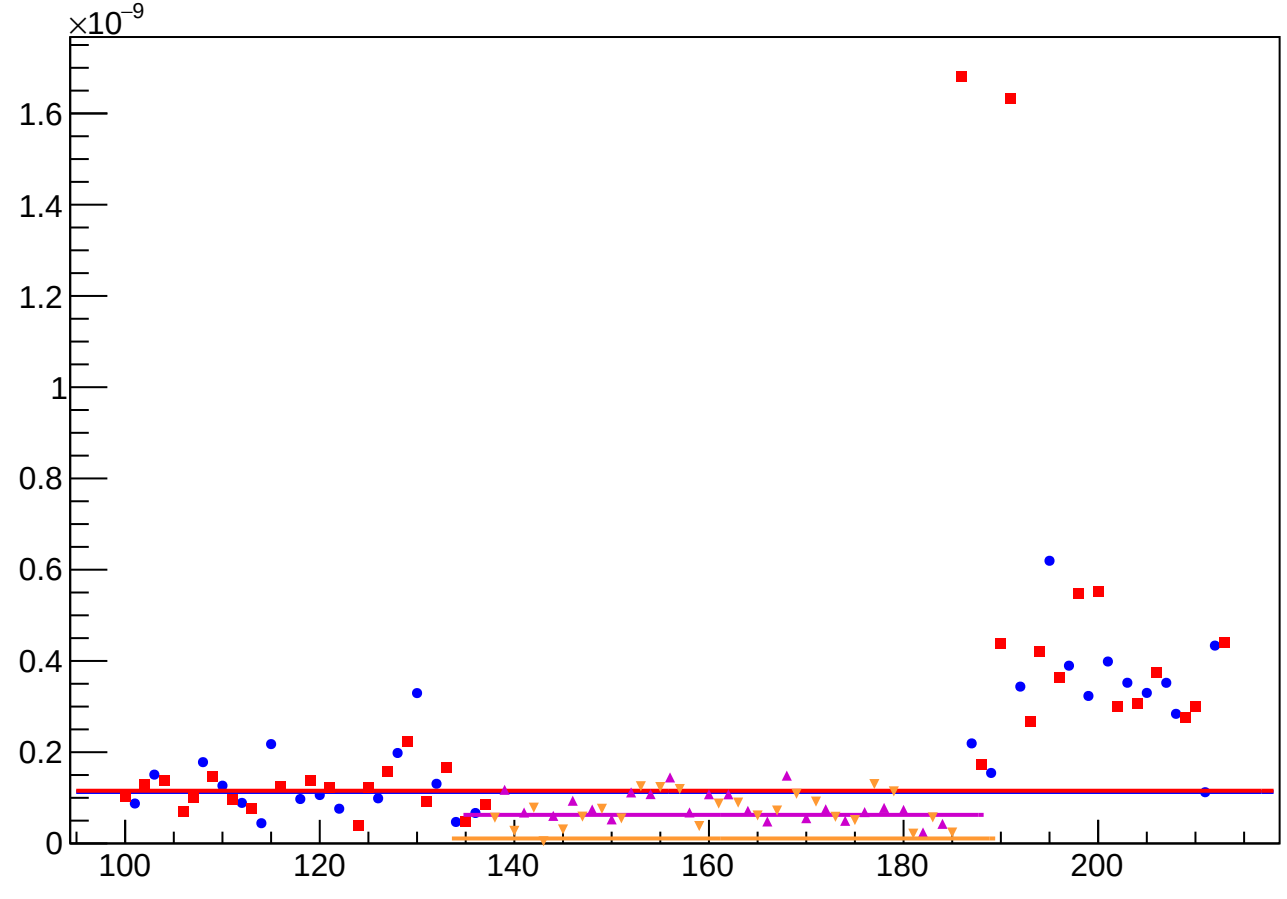
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 77.6/62

In: 0.000+/-0.000 χ^2/NDF:43.9/51

Out: 0.000+/-0.000 χ^2/NDF:71.7/58

All: 0.000+/-0.000 χ^2/NDF: 118.5/110



Right In: 0.000+/-0.000 χ^2/NDF: 4908868.5/28

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

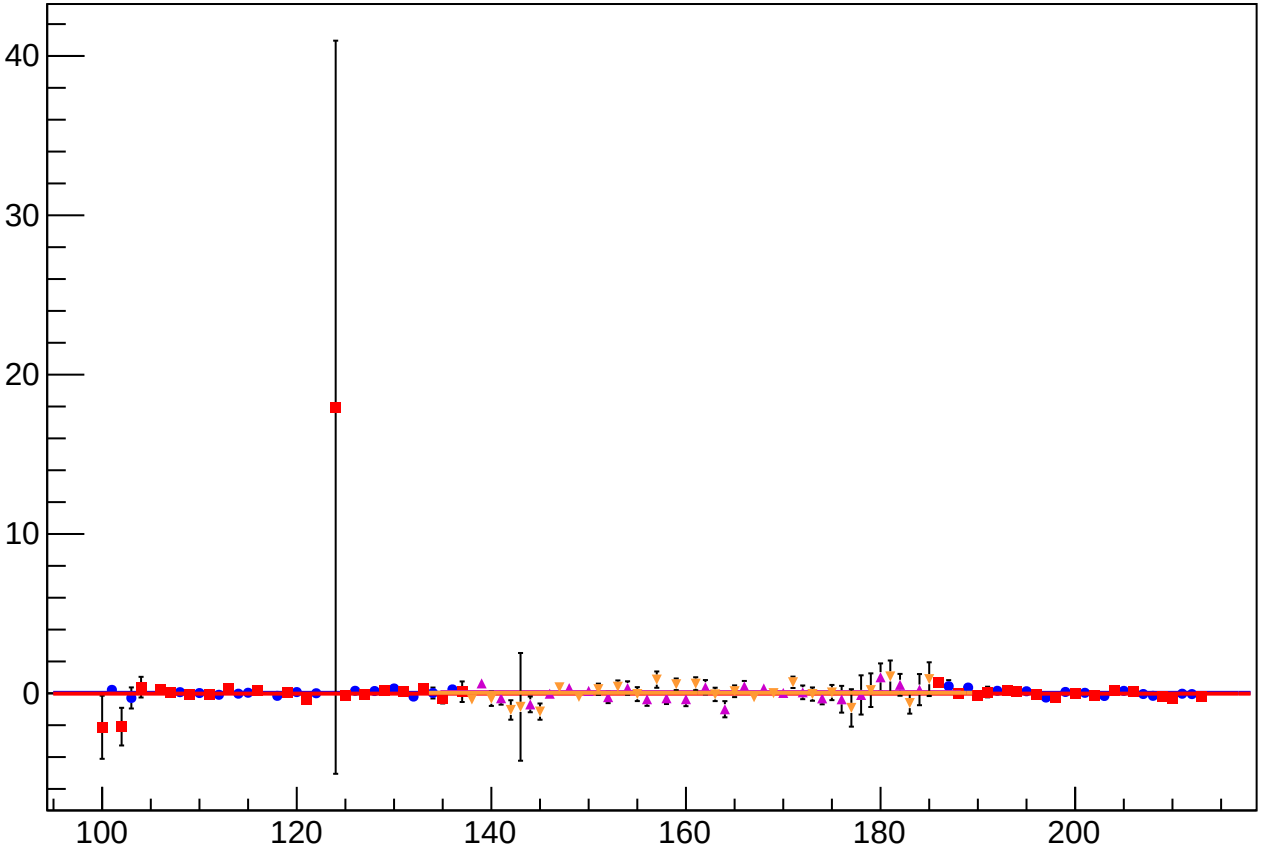
Right: 0.000+/-0.000 χ^2/NDF: 10960466.4/62

In: 0.000+/-0.000 χ^2/NDF:8492469.3/51

Out: 0.000+/-0.000 χ^2/NDF:23605487.7/58

All: 0.000+/-0.000 χ^2/NDF: 43612012.4/110

asym_atl_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.033 χ^2/NDF: 20.0/28

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

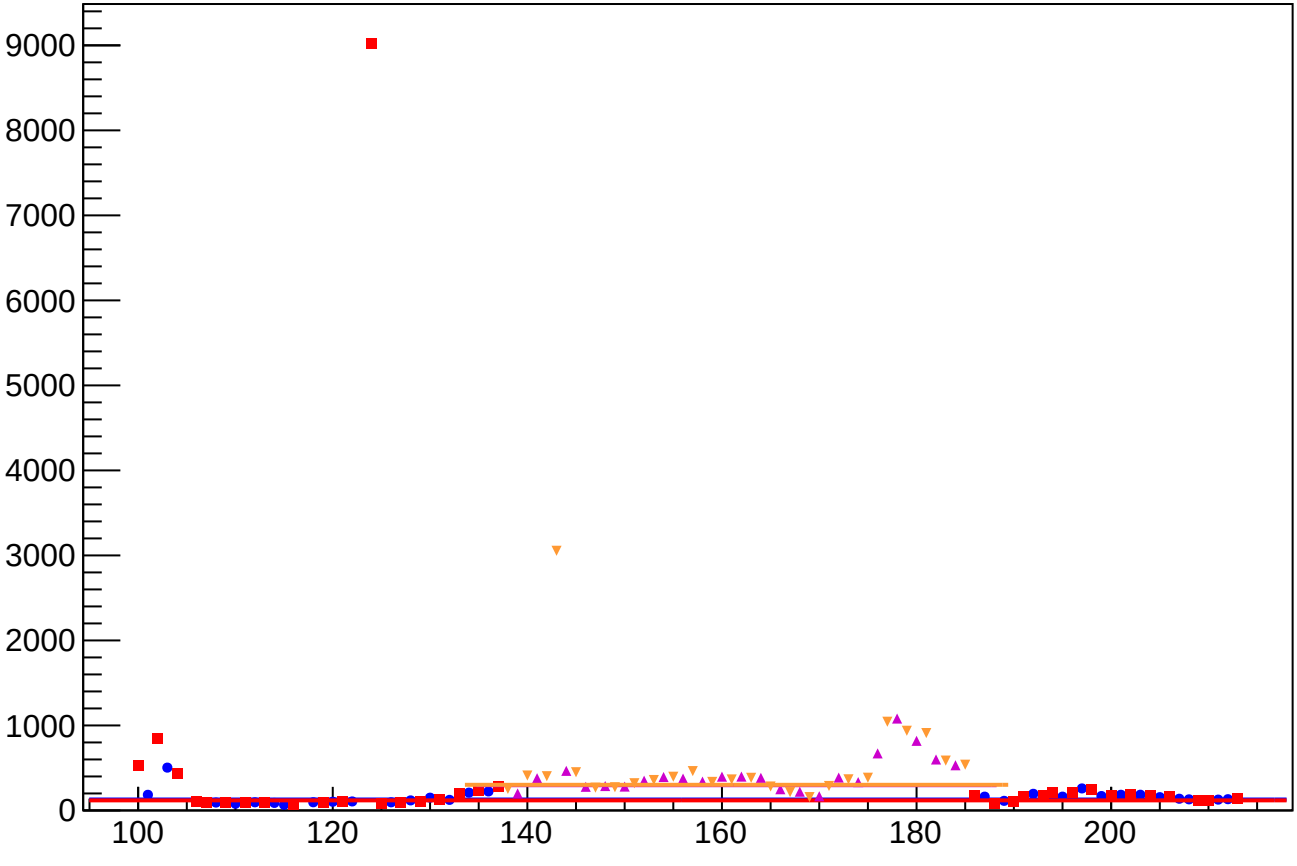
Right: 0.003+/-0.023 χ^2/NDF: 64.3/62

In: 0.038+/-0.031 χ^2/NDF:44.4/51

Out: -0.012+/-0.028 χ^2/NDF:73.2/58

All: 0.011+/-0.021 χ^2/NDF: 119.1/110

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.826+/-0.024 χ^2/NDF: 3448289.1/28

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

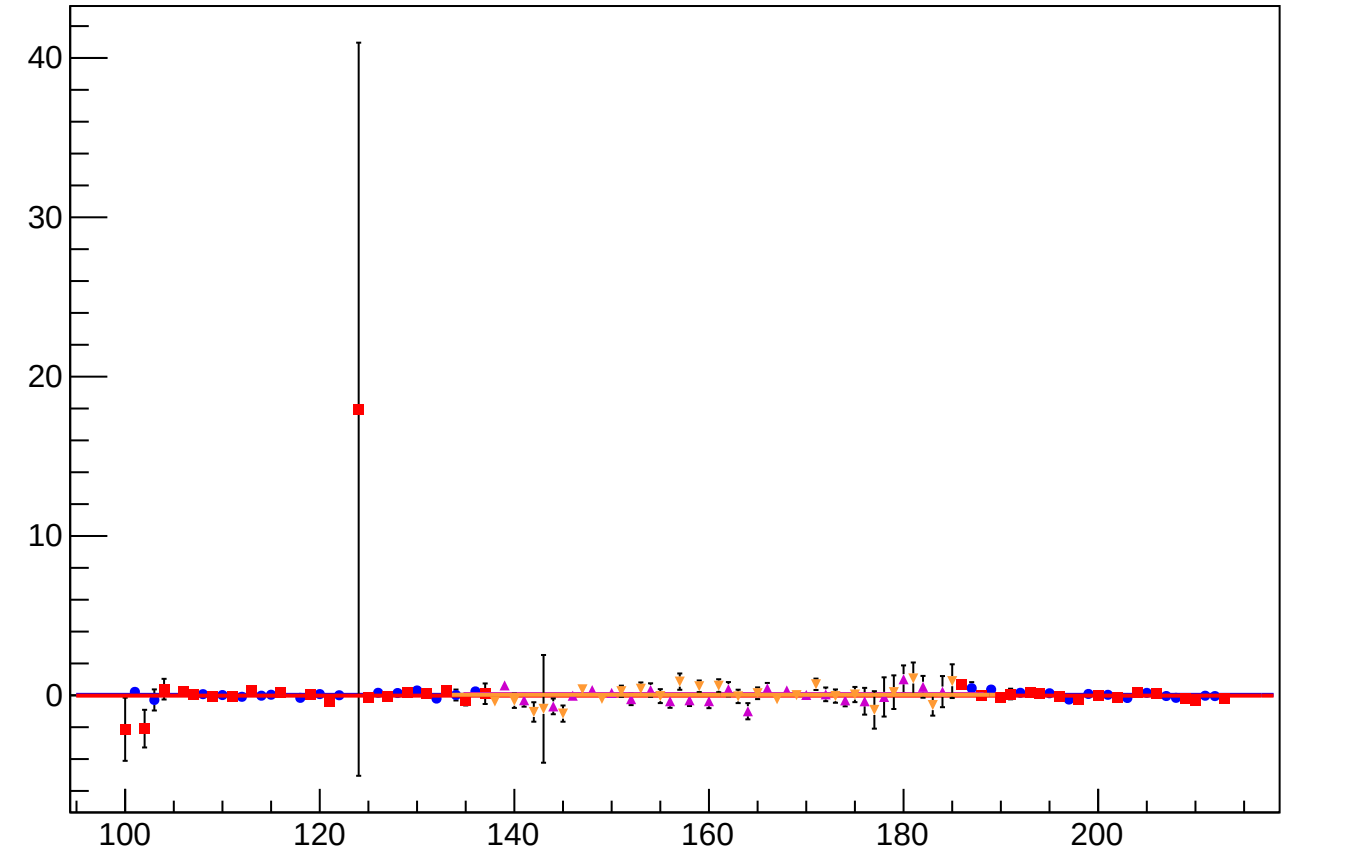
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 123.296+/-0.016 χ^2/NDF: 9014617.0/62

In: 156.172+/-0.022 χ^2/NDF:16610232.6/51

Out: 143.593+/-0.020 χ^2/NDF:21941867.8/58

All: 149.421+/-0.015 χ^2/NDF: 38734044.2/11



Right In: 0.030+/-0.033 χ^2/NDF: 20.0/28

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

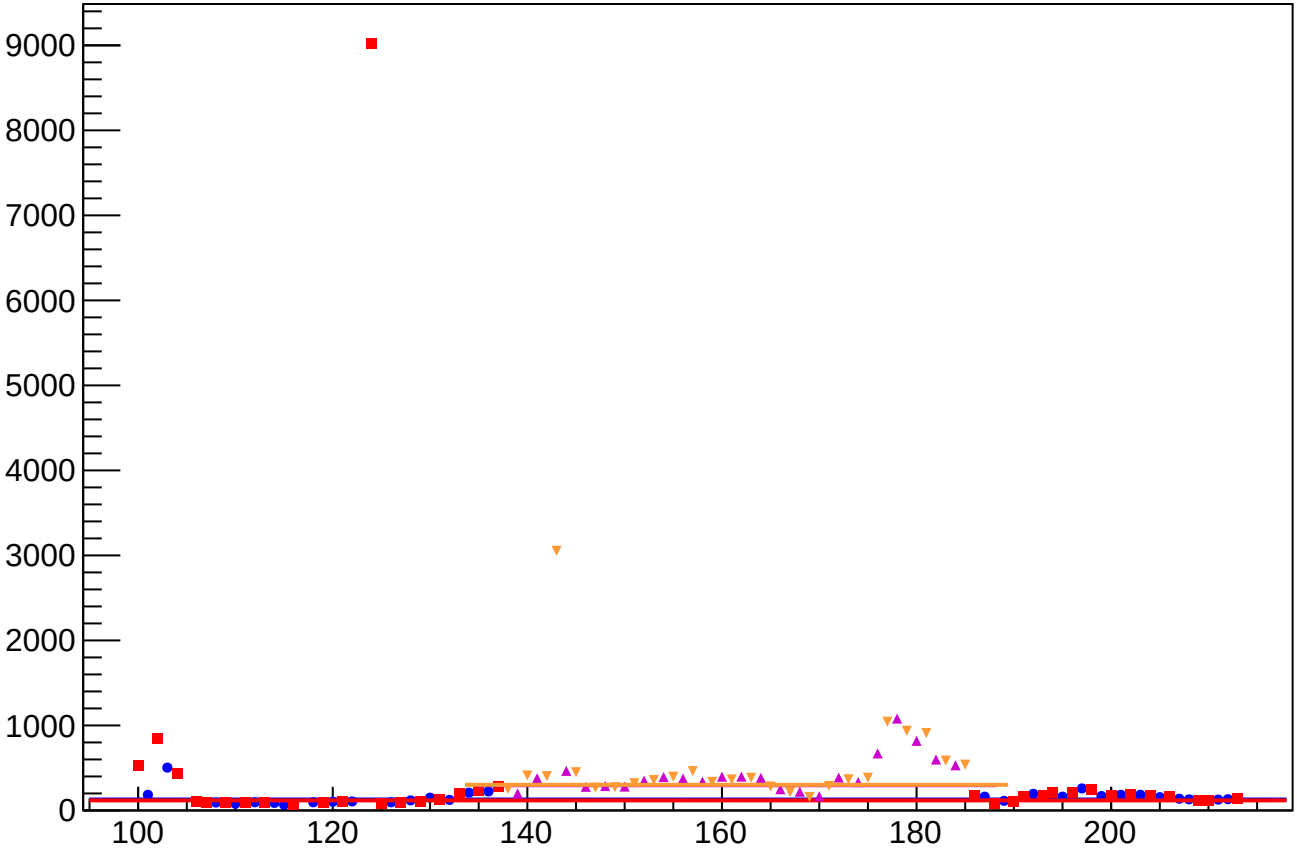
Right: 0.003+/-0.023 χ^2/NDF: 64.3/62

In: 0.038+/-0.031 χ^2/NDF:44.4/51

Out: -0.012+/-0.028 χ^2/NDF:73.2/58

All: 0.011+/-0.021 χ^2/NDF: 119.1/110

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.826+/-0.024 χ^2/NDF: 3448289.1/28

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

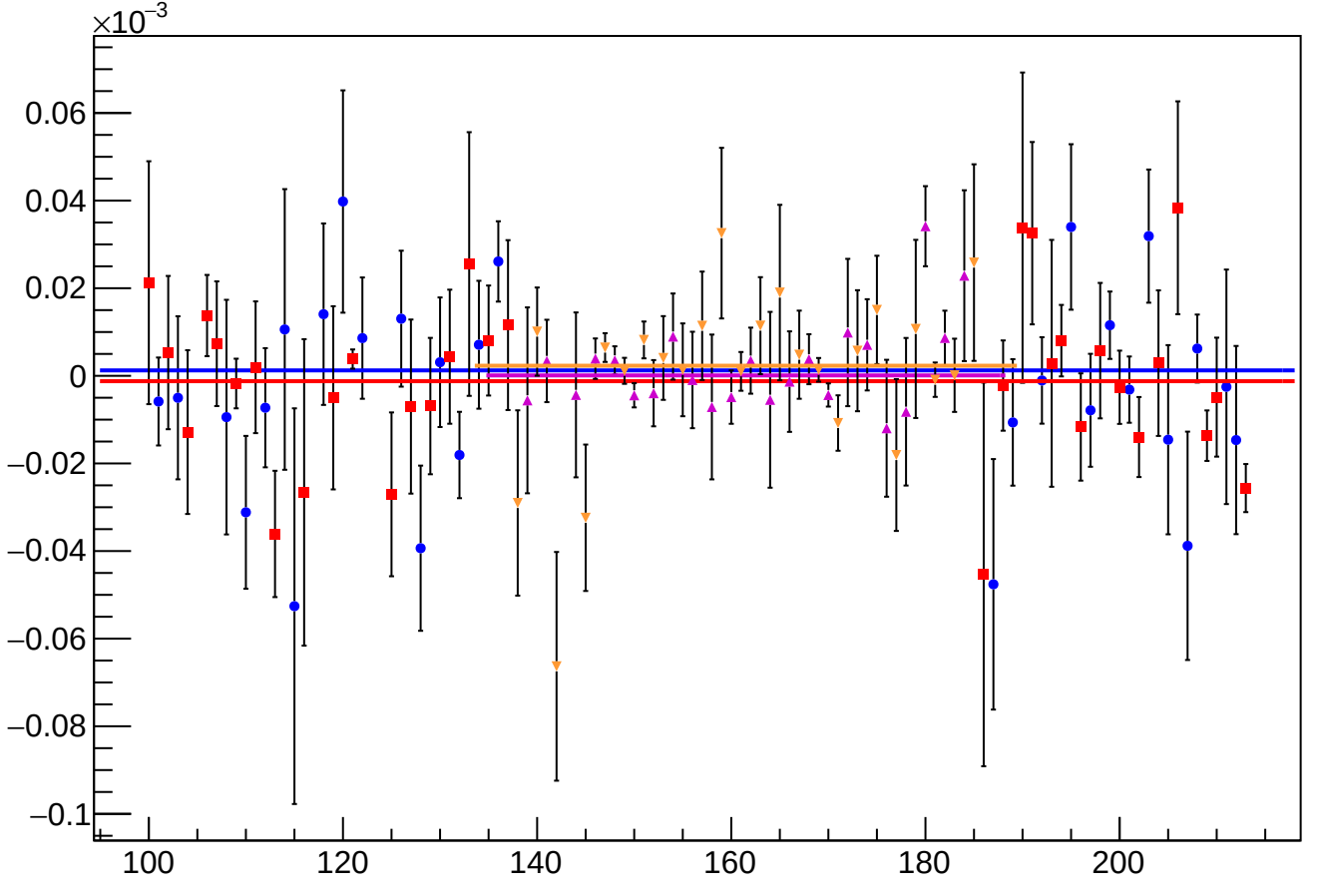
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 123.296+/-0.016 χ^2/NDF: 9014617.0/62

In: 156.172+/-0.022 χ^2/NDF:16610232.6/51

Out: 143.593+/-0.020 χ^2/NDF:21941867.8/58

All: 149.421+/-0.015 χ^2/NDF: 38734044.2/1



Right In: 0.000+/-0.000 χ^2/NDF: 42.9/28

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

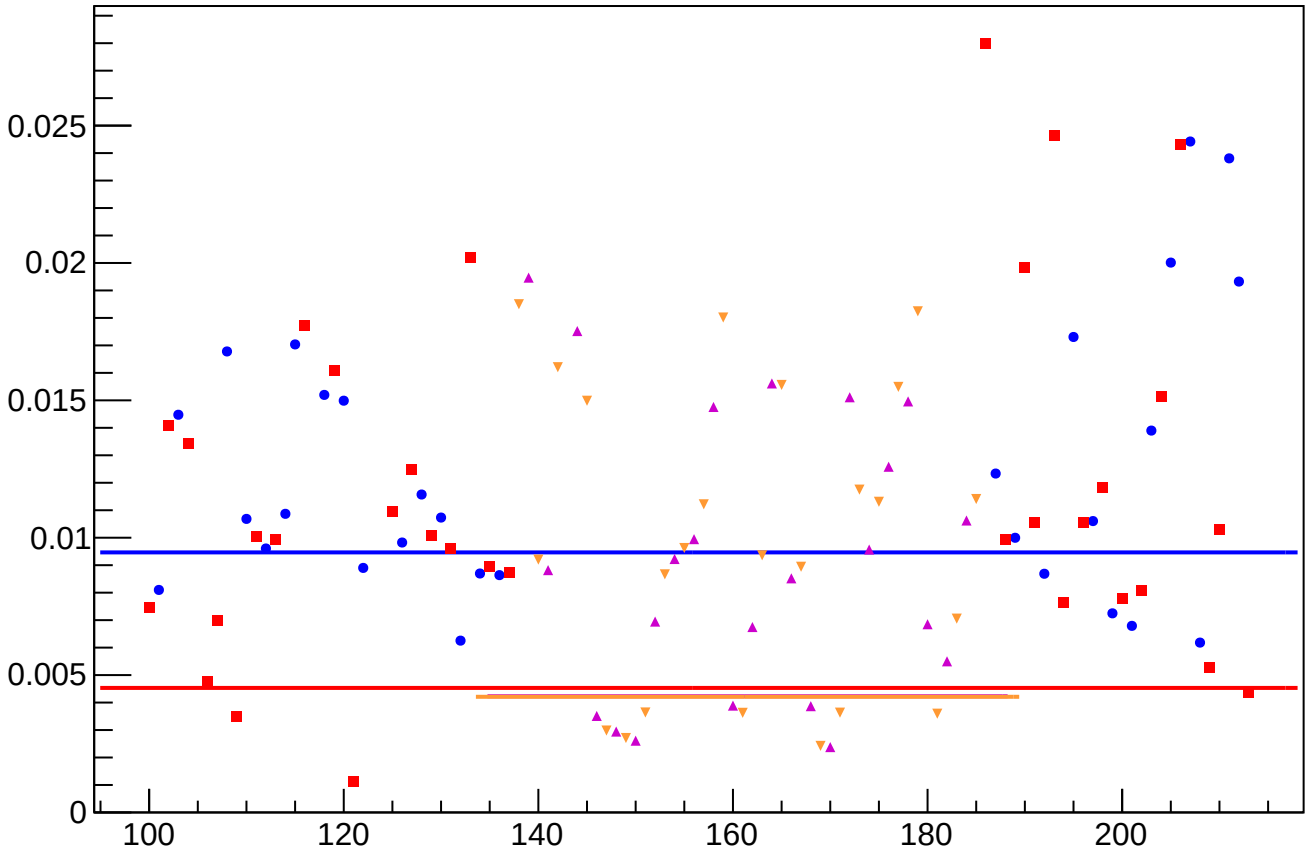
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: -0.000+/-0.000 χ^2/NDF: 99.6/61

In: 0.000+/-0.000 χ^2/NDF:72.2/51

Out: 0.000+/-0.000 χ^2/NDF:90.4/56

All: 0.000+/-0.000 χ^2/NDF: 162.7/108



Right In: 0.009+/-0.000 χ^2/NDF: 4398517.5/28

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

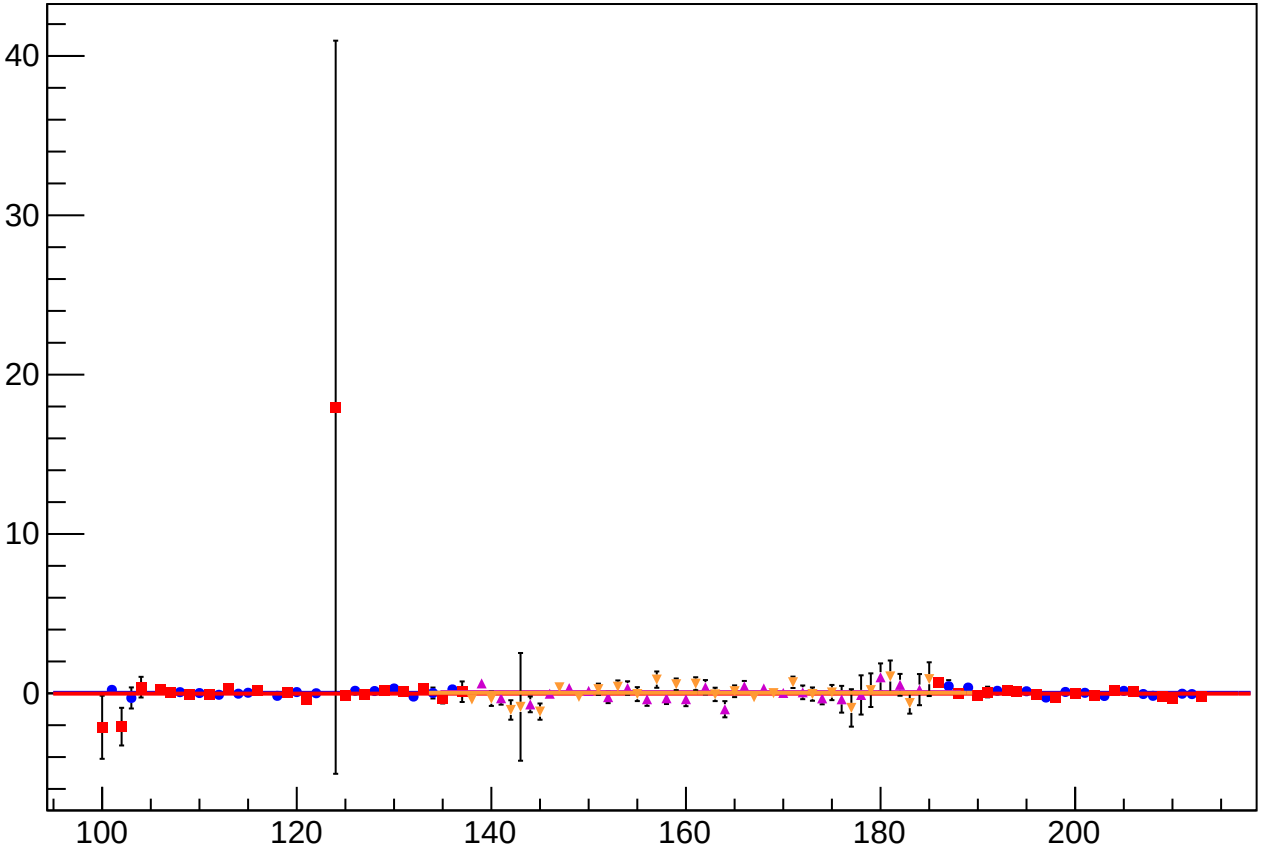
Right: 0.006+/-0.000 χ^2/NDF: 26556427.7/61

In: 0.005+/-0.000 χ^2/NDF:22389223.7/51

Out: 0.004+/-0.000 χ^2/NDF:28595462.7/56

All: 0.005+/-0.000 χ^2/NDF: 51818821.6/108

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.033 χ^2/NDF: 20.0/28

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

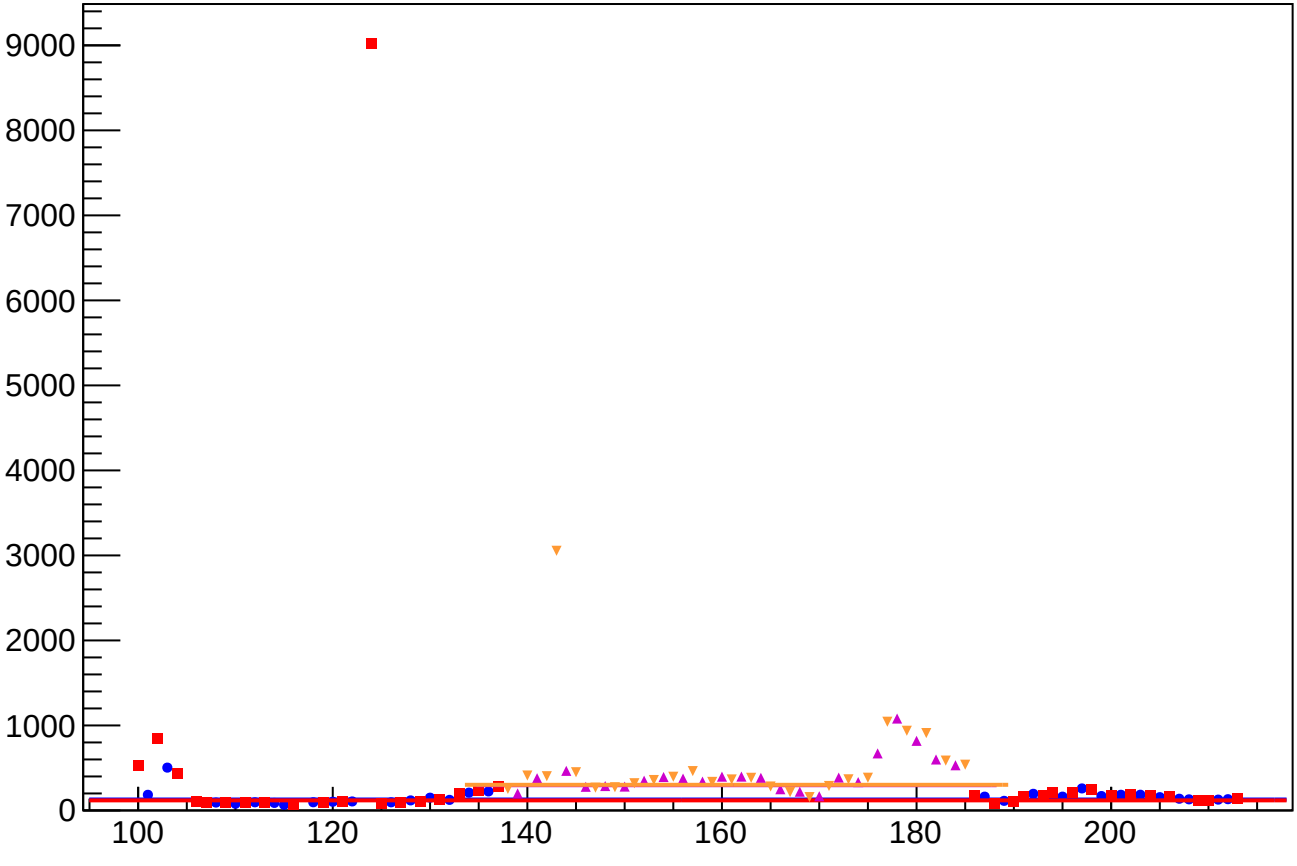
Right: 0.003+/-0.023 χ^2/NDF: 64.3/62

In: 0.038+/-0.031 χ^2/NDF:44.4/51

Out: -0.012+/-0.028 χ^2/NDF:73.2/58

All: 0.011+/-0.021 χ^2/NDF: 119.1/110

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.827+/-0.024 χ^2/NDF: 3448266.7/28

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

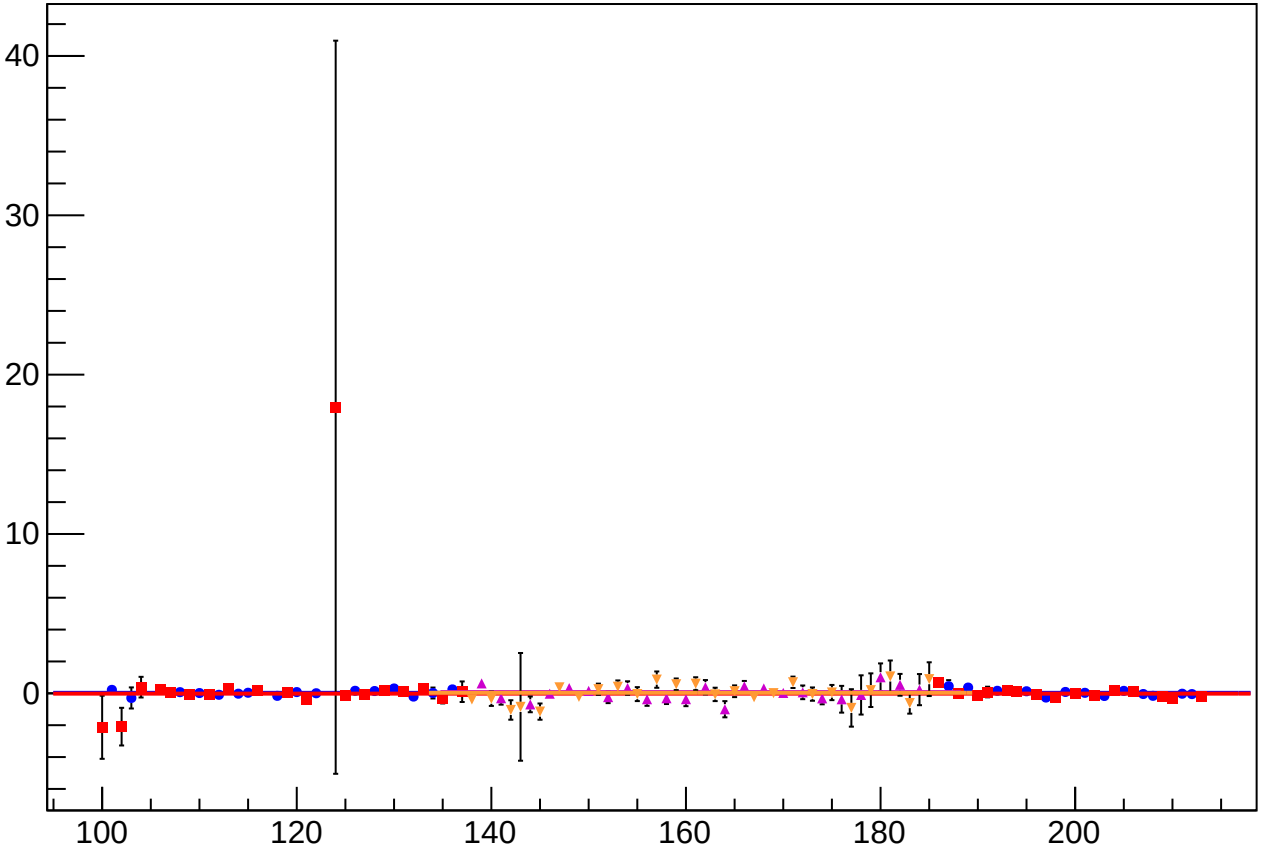
Right: 123.297+/-0.016 χ^2/NDF: 9014536.3/62

In: 156.173+/-0.022 χ^2/NDF:16610205.4/51

Out: 143.594+/-0.020 χ^2/NDF:21941832.2/58

All: 149.422+/-0.015 χ^2/NDF: 38733992.1/11

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.033 χ^2/NDF: 20.0/28

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

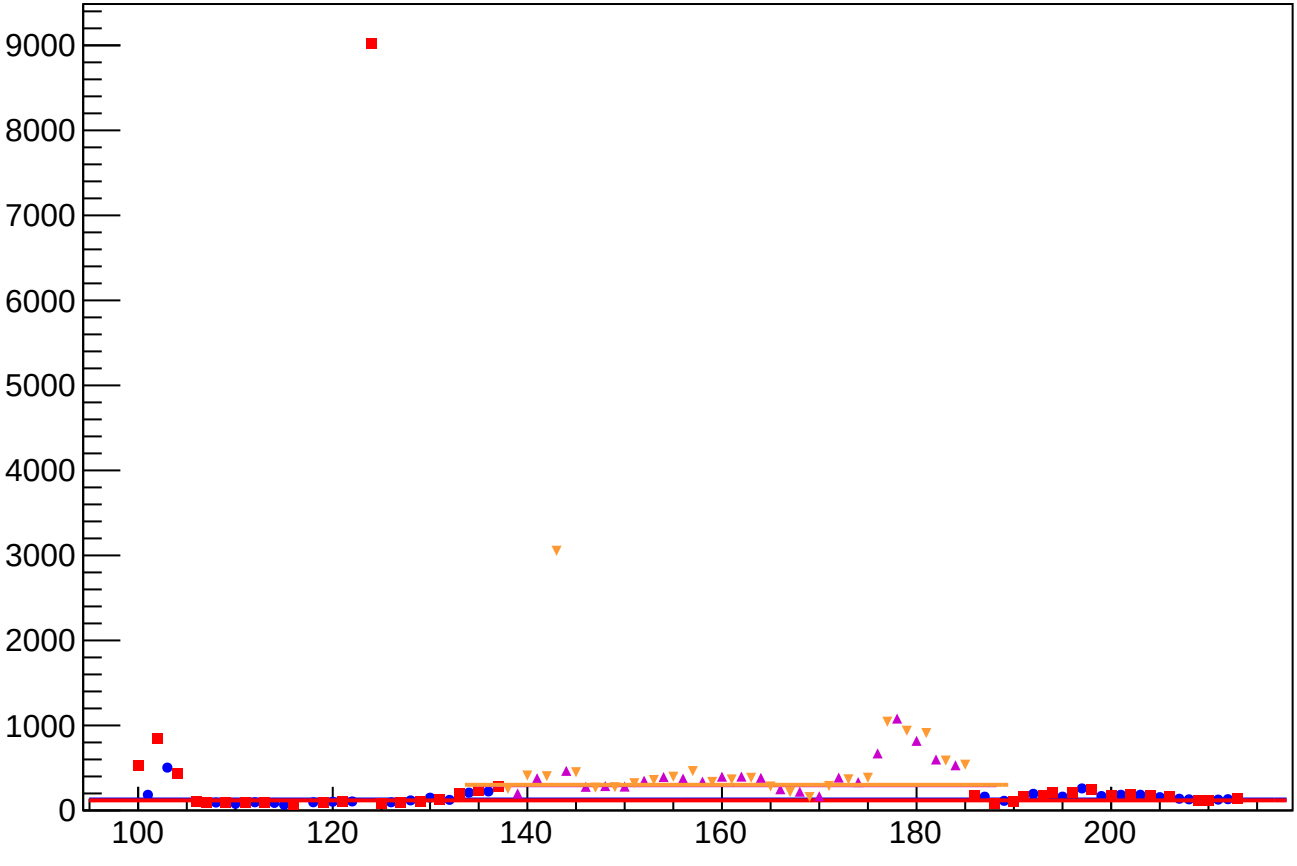
Right: 0.003+/-0.023 χ^2/NDF: 64.3/62

In: 0.038+/-0.031 χ^2/NDF:44.4/51

Out: -0.012+/-0.028 χ^2/NDF:73.2/58

All: 0.011+/-0.021 χ^2/NDF: 119.1/110

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.827+/-0.024 χ^2/NDF: 3448266.7/28

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

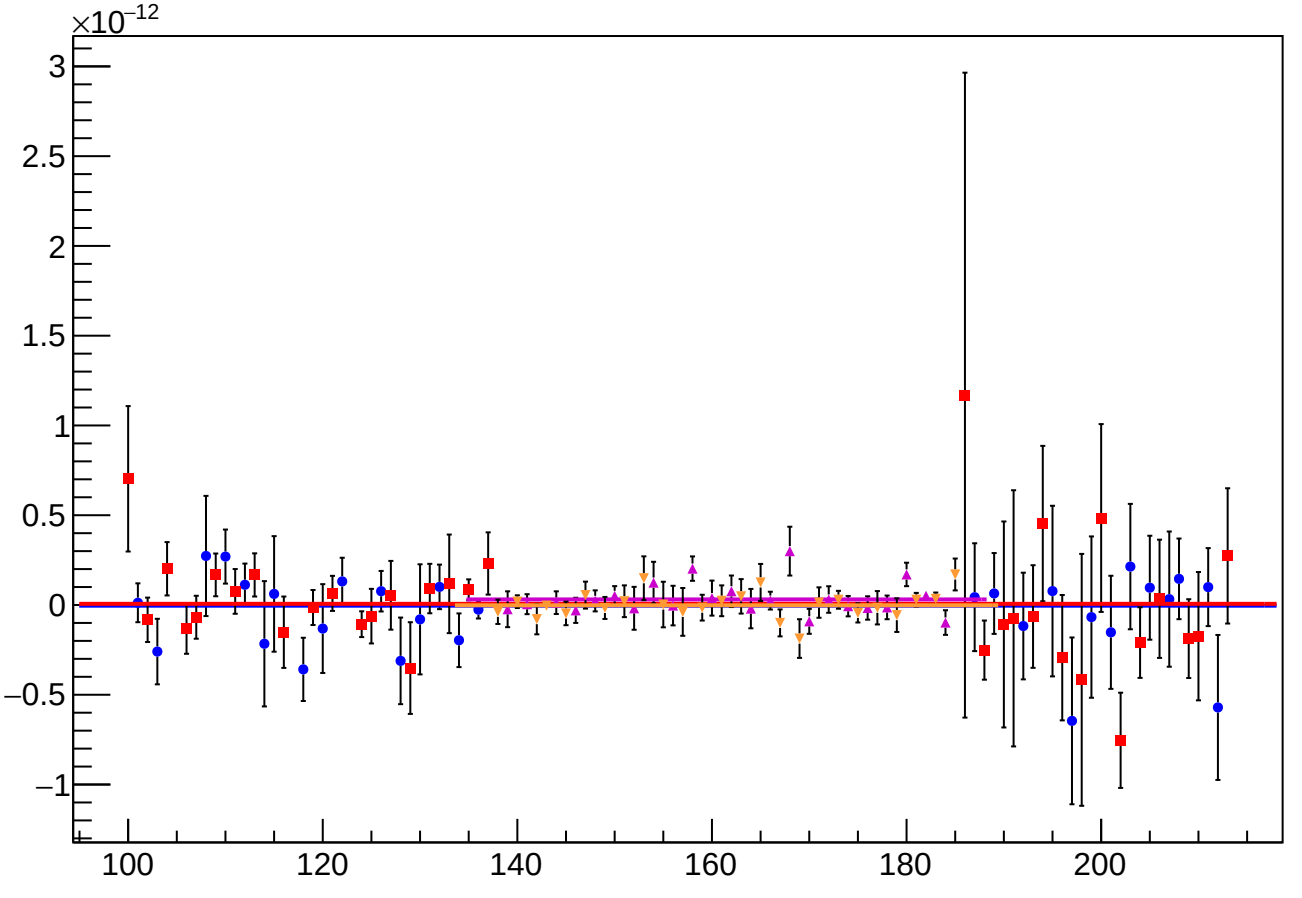
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 123.297+/-0.016 χ^2/NDF: 9014536.3/62

In: 156.173+/-0.022 χ^2/NDF:16610205.4/51

Out: 143.594+/-0.020 χ^2/NDF:21941832.2/58

All: 149.422+/-0.015 χ^2/NDF: 38733992.1/11



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/28

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

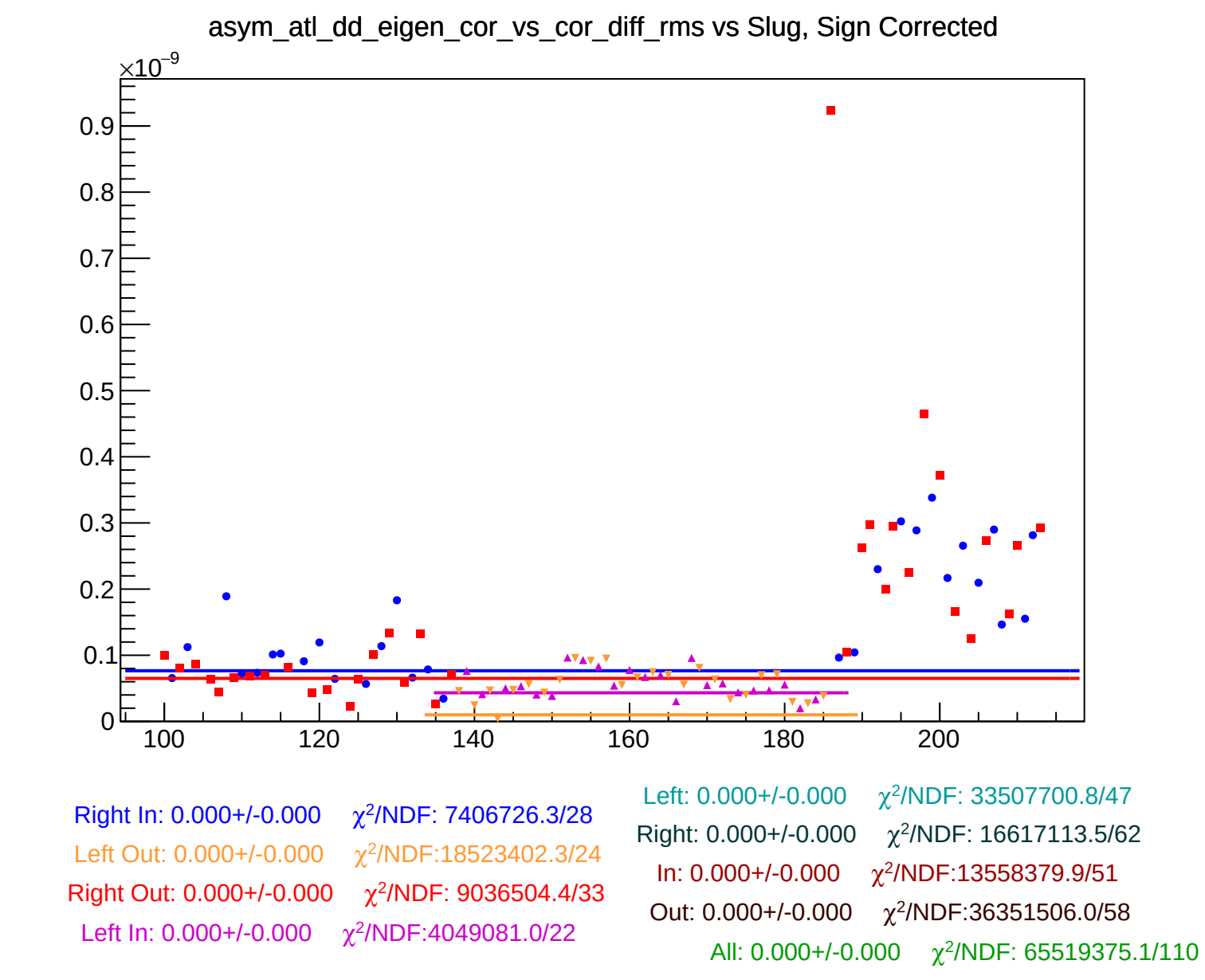
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 60.4/62

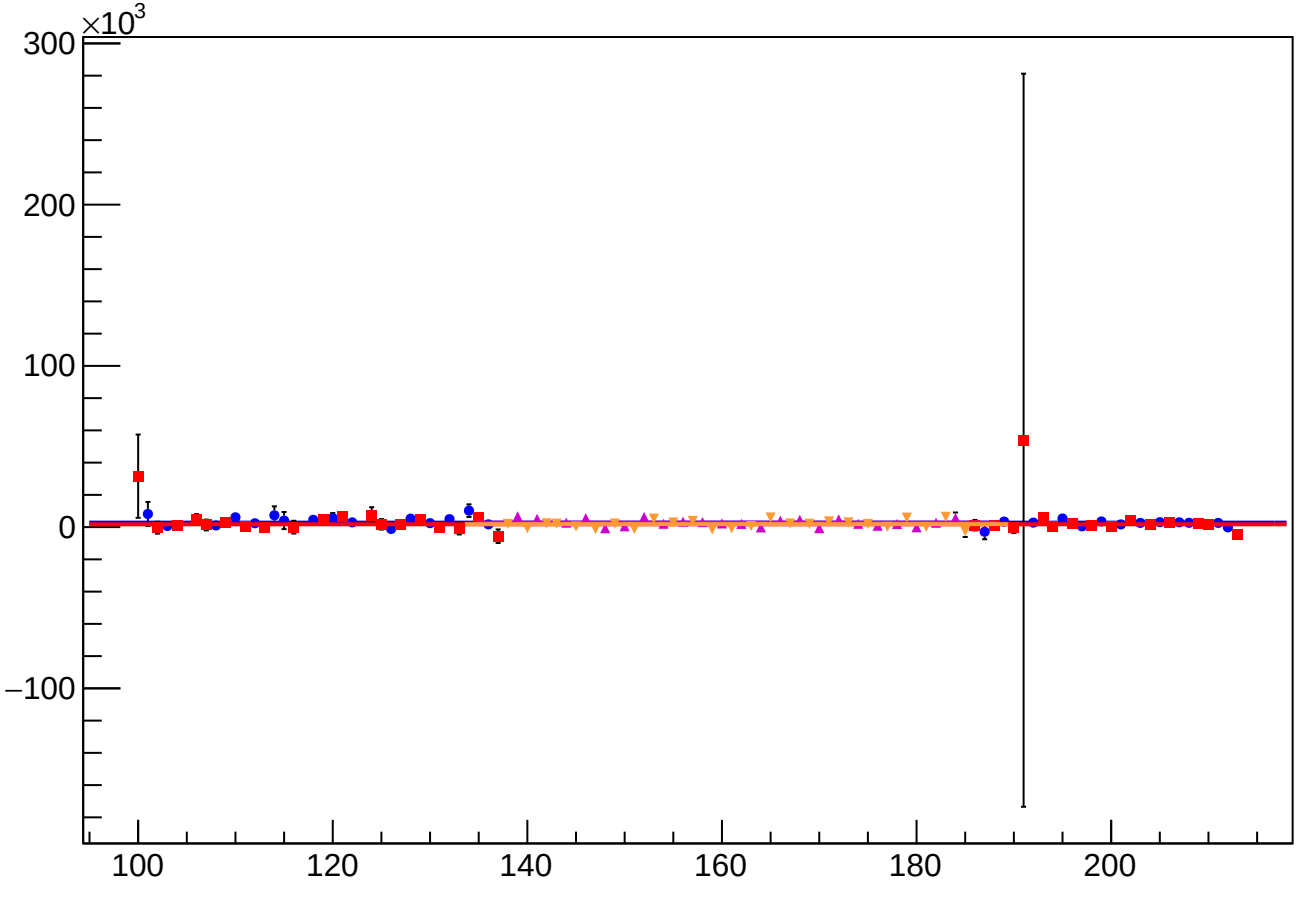
In: 0.000+/-0.000 χ^2/NDF:50.6/51

Out: -0.000+/-0.000 χ^2/NDF:55.1/58

All: 0.000+/-0.000 χ^2/NDF: 109.7/110


asym_atl_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: 7406726.3/28
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 9036504.4/33
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
Left: 0.000+/-0.000 χ²/NDF: 33507700.8/47
Right: 0.000+/-0.000 χ²/NDF: 16617113.5/62
In: 0.000+/-0.000 χ²/NDF:13558379.9/51
Out: 0.000+/-0.000 χ²/NDF:36351506.0/58
All: 0.000+/-0.000 χ²/NDF: 65519375.1/110

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2786.246+/-470.448 χ^2/NDF: 18.3/28

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

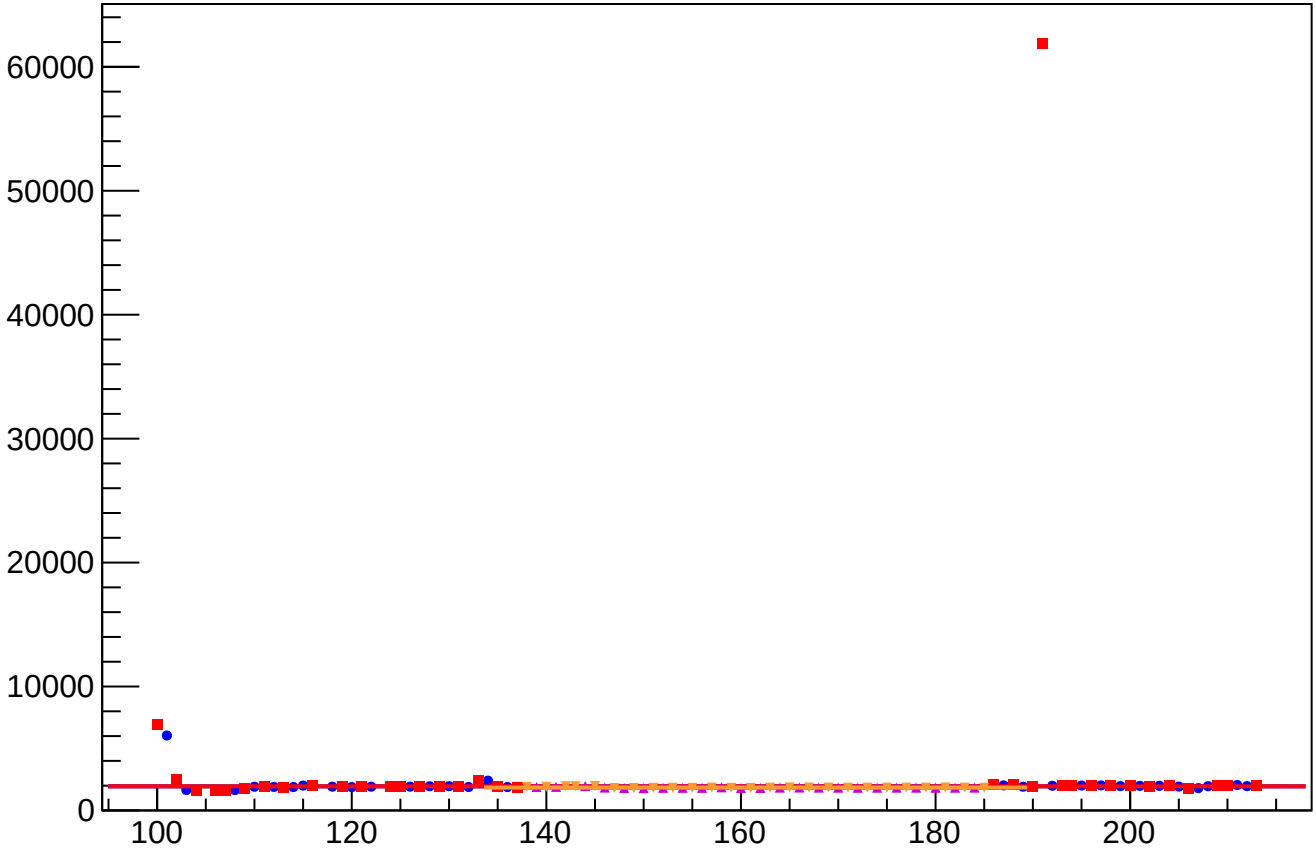
Right: 2250.489+/-326.806 χ^2/NDF: 53.6/62

In: 2780.548+/-317.743 χ^2/NDF:43.7/51

Out: 1805.381+/-308.408 χ^2/NDF:64.4/58

All: 2278.428+/-221.304 χ^2/NDF: 112.9/110

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1944.430+/-0.333 χ^2/NDF: 722932.3/28

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

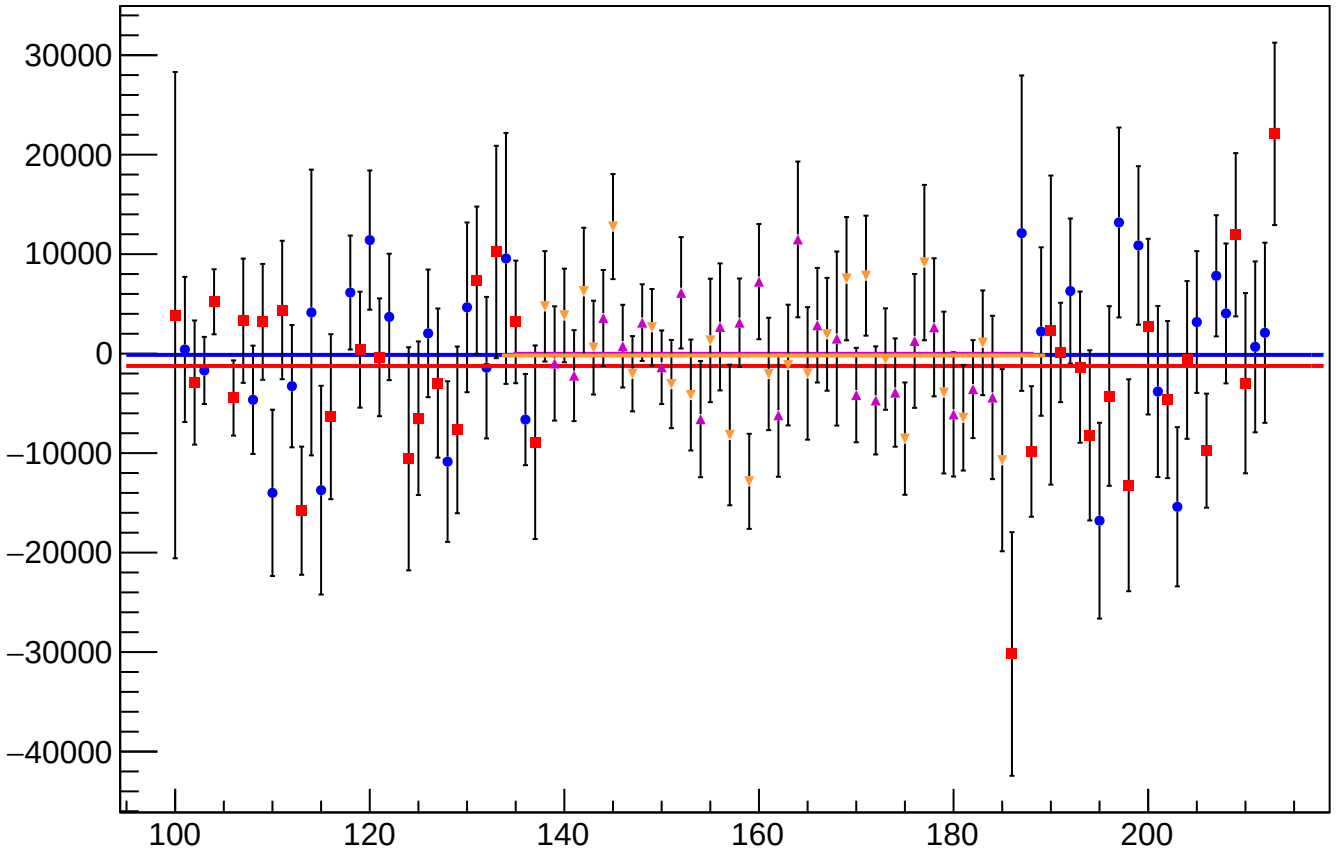
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1946.110+/-0.231 χ^2/NDF: 1147527.2/62

In: 1890.390+/-0.225 χ^2/NDF:785484.0/51

Out: 1894.281+/-0.218 χ^2/NDF:496871.1/58

All: 1892.395+/-0.156 χ^2/NDF: 1282509.6/11



Right In: -126.170+/-1298.136 χ^2/NDF: 29.1/28

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

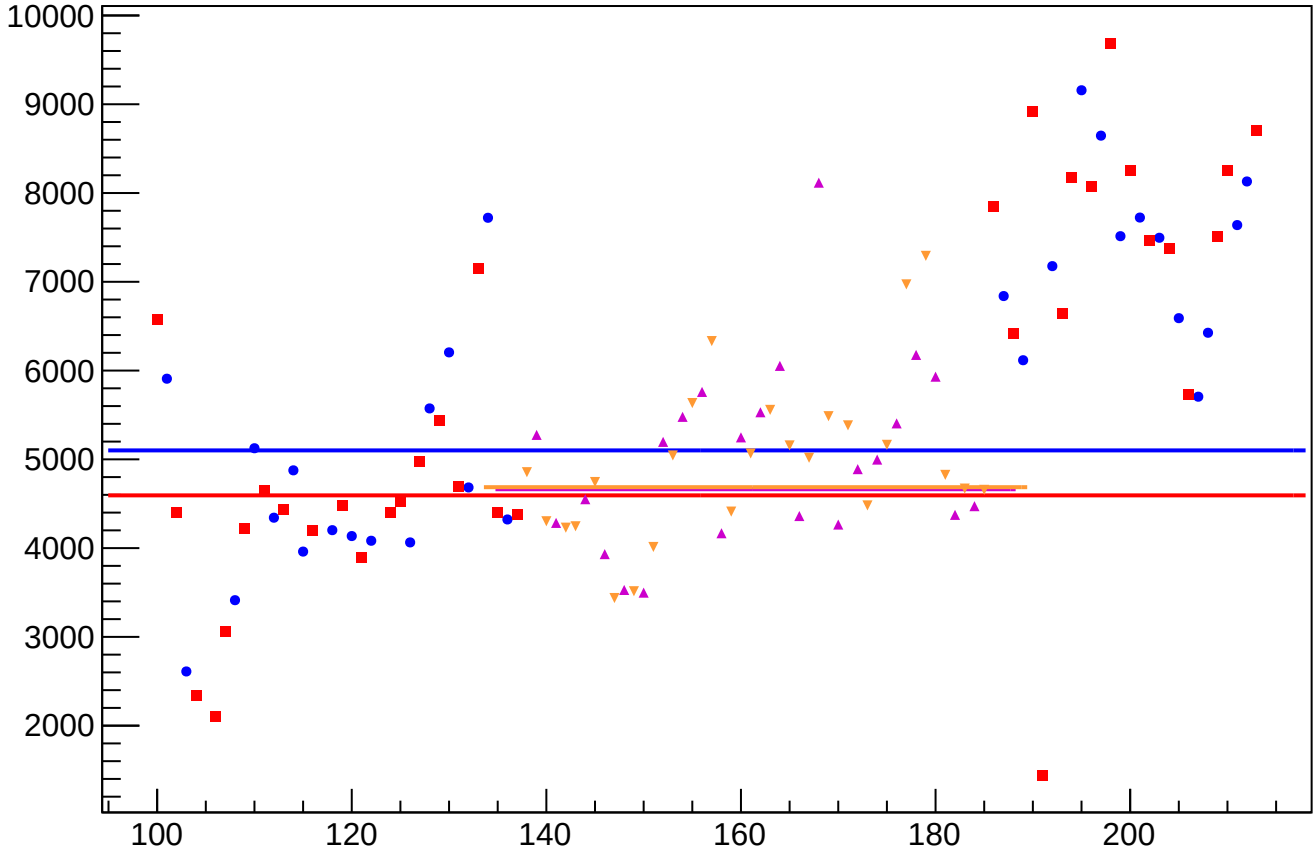
Right: -737.112+/-871.177 χ^2/NDF: 68.2/62

In: -64.610+/-844.766 χ^2/NDF:42.9/51

Out: -673.607+/-798.593 χ^2/NDF:68.0/58

All: -386.205+/-580.327 χ^2/NDF: 111.2/110

asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5100.710+/-0.918 χ^2/NDF: 3699579.7/28

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

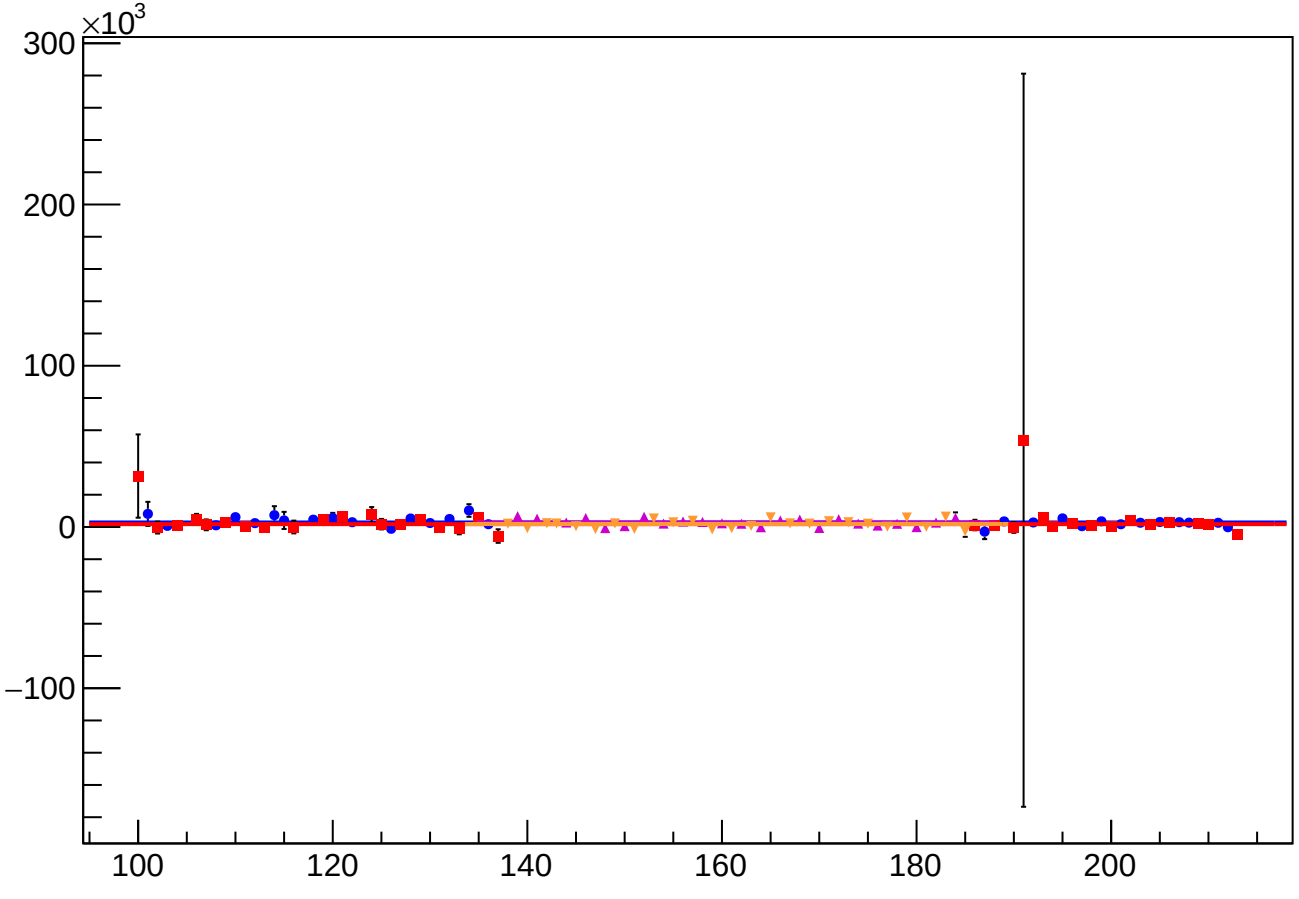
Right: 4822.318+/-0.616 χ^2/NDF: 10419945.5/62

In: 4848.518+/-0.597 χ^2/NDF:5117235.5/51

Out: 4643.792+/-0.565 χ^2/NDF:7744695.6/58

All: 4740.407+/-0.410 χ^2/NDF: 12923960.8/1

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2785.990+/-470.448 χ^2/NDF: 18.3/28

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

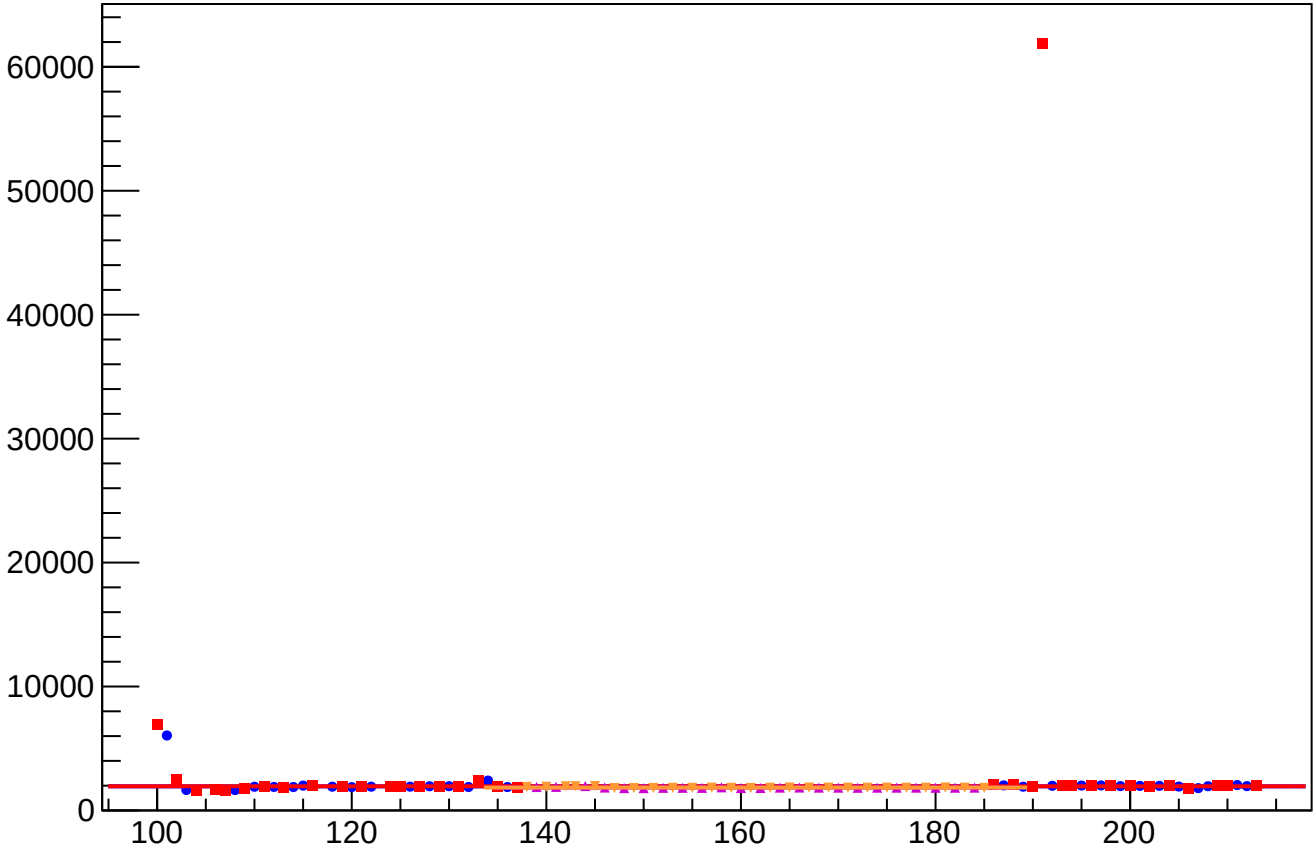
Right: 2250.614+/-326.806 χ^2/NDF: 53.6/62

In: 2780.419+/-317.743 χ^2/NDF:43.7/51

Out: 1805.542+/-308.408 χ^2/NDF:64.4/58

All: 2278.449+/-221.304 χ^2/NDF: 112.9/110

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1944.430+/-0.333 χ^2/NDF: 722931.4/28

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

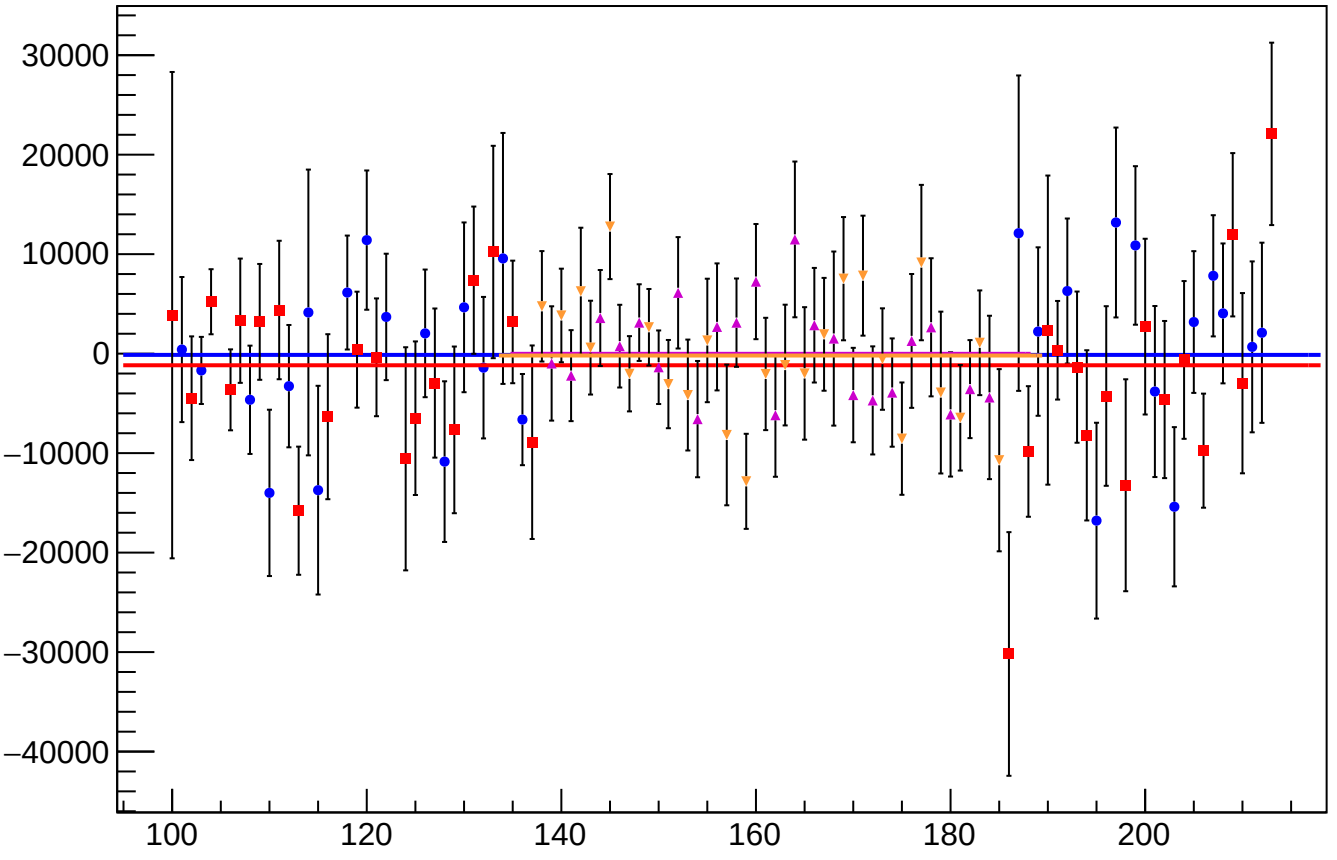
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1946.998+/-0.231 χ^2/NDF: 1139303.8/62

In: 1890.390+/-0.225 χ^2/NDF:785483.2/51

Out: 1895.036+/-0.218 χ^2/NDF:490337.2/58

All: 1892.783+/-0.156 χ^2/NDF: 1276040.6/11



Right In: -126.365+/-1298.137 χ^2/NDF: 29.1/28

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

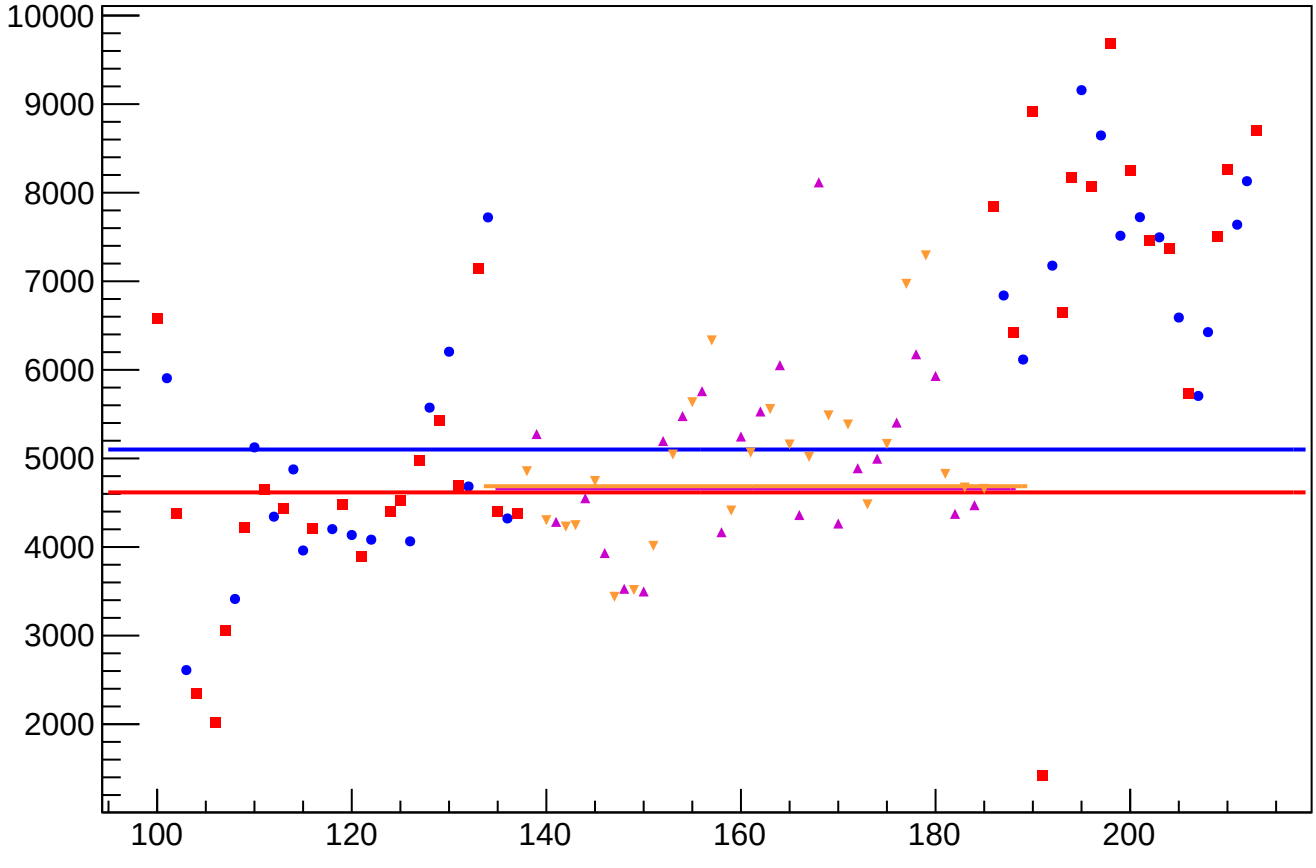
Right: -696.388+/-874.058 χ^2/NDF: 68.0/62

In: -64.715+/-844.766 χ^2/NDF:42.9/51

Out: -639.010+/-800.809 χ^2/NDF:67.8/58

All: -367.192+/-581.176 χ^2/NDF: 110.9/110

asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5100.774+/-0.918 χ^2/NDF: 3698930.9/28

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

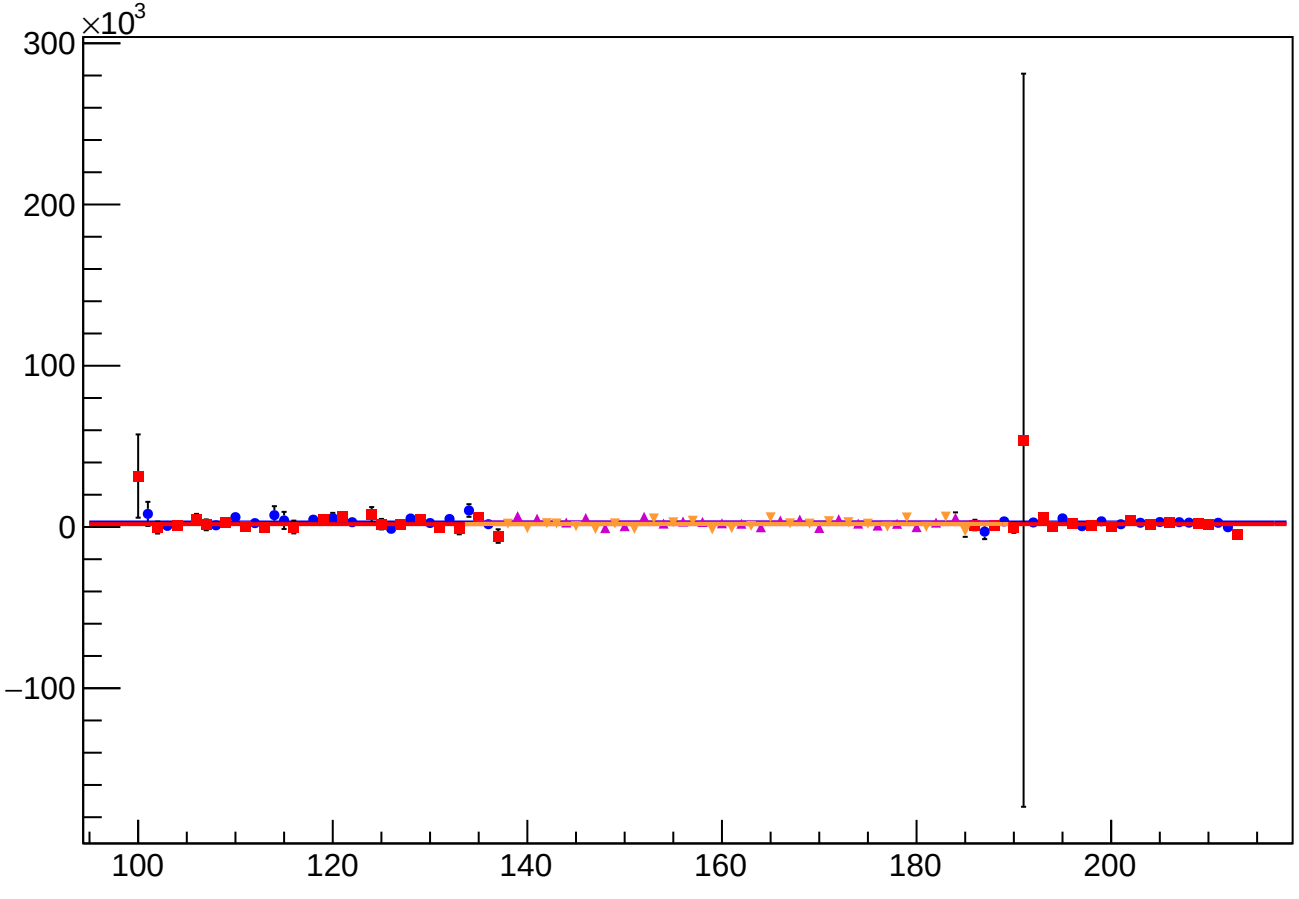
Right: 4836.073+/-0.618 χ^2/NDF: 10352104.7/62

In: 4848.546+/-0.597 χ^2/NDF:5116620.4/51

Out: 4654.318+/-0.566 χ^2/NDF:7689913.3/58

All: 4746.247+/-0.411 χ^2/NDF: 12862218.8/1

eigen_cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2785.990+/-470.448 χ^2/NDF: 18.3/28

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

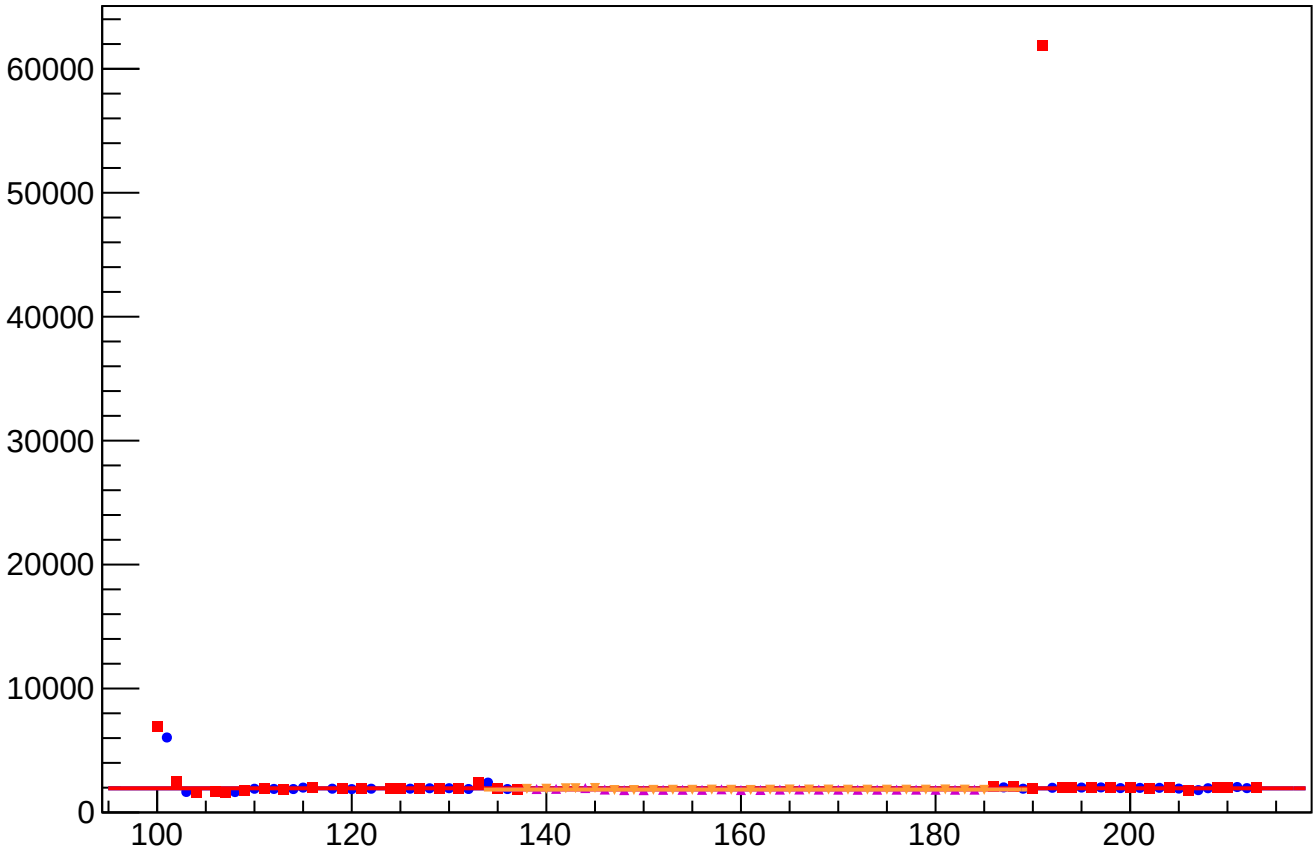
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2250.614+/-326.806 χ^2/NDF: 53.6/62

In: 2780.419+/-317.743 χ^2/NDF:43.7/51

Out: 1805.542+/-308.408 χ^2/NDF:64.4/58

All: 2278.449+/-221.304 χ^2/NDF: 112.9/110



Right In: 1944.430+/-0.333 χ^2/NDF: 722931.4/28

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

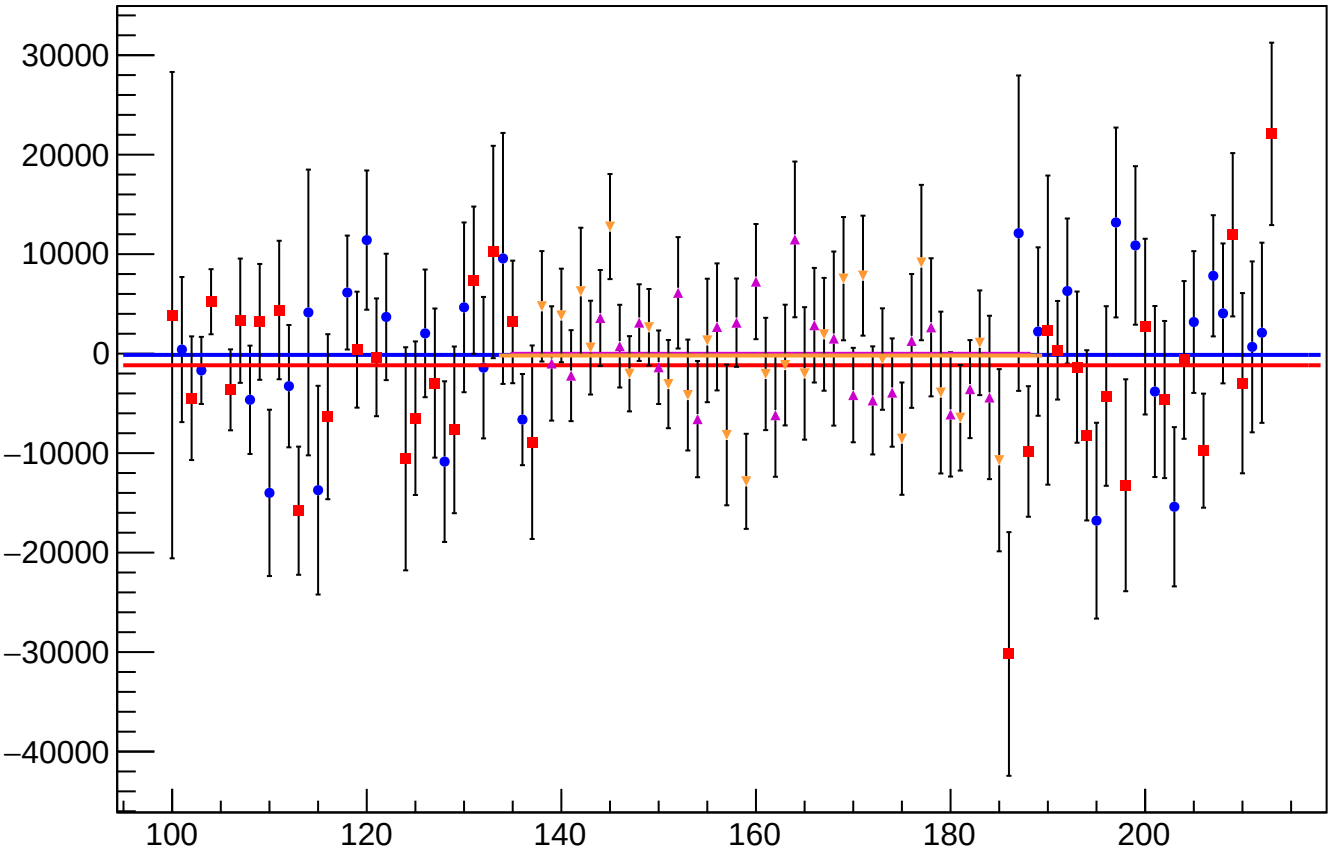
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1946.998+/-0.231 χ^2/NDF: 1139303.8/62

In: 1890.390+/-0.225 χ^2/NDF:785483.2/51

Out: 1895.036+/-0.218 χ^2/NDF:490337.2/58

All: 1892.783+/-0.156 χ^2/NDF: 1276040.6/11



Right In: -126.365+/-1298.137 χ^2/NDF: 29.1/28

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

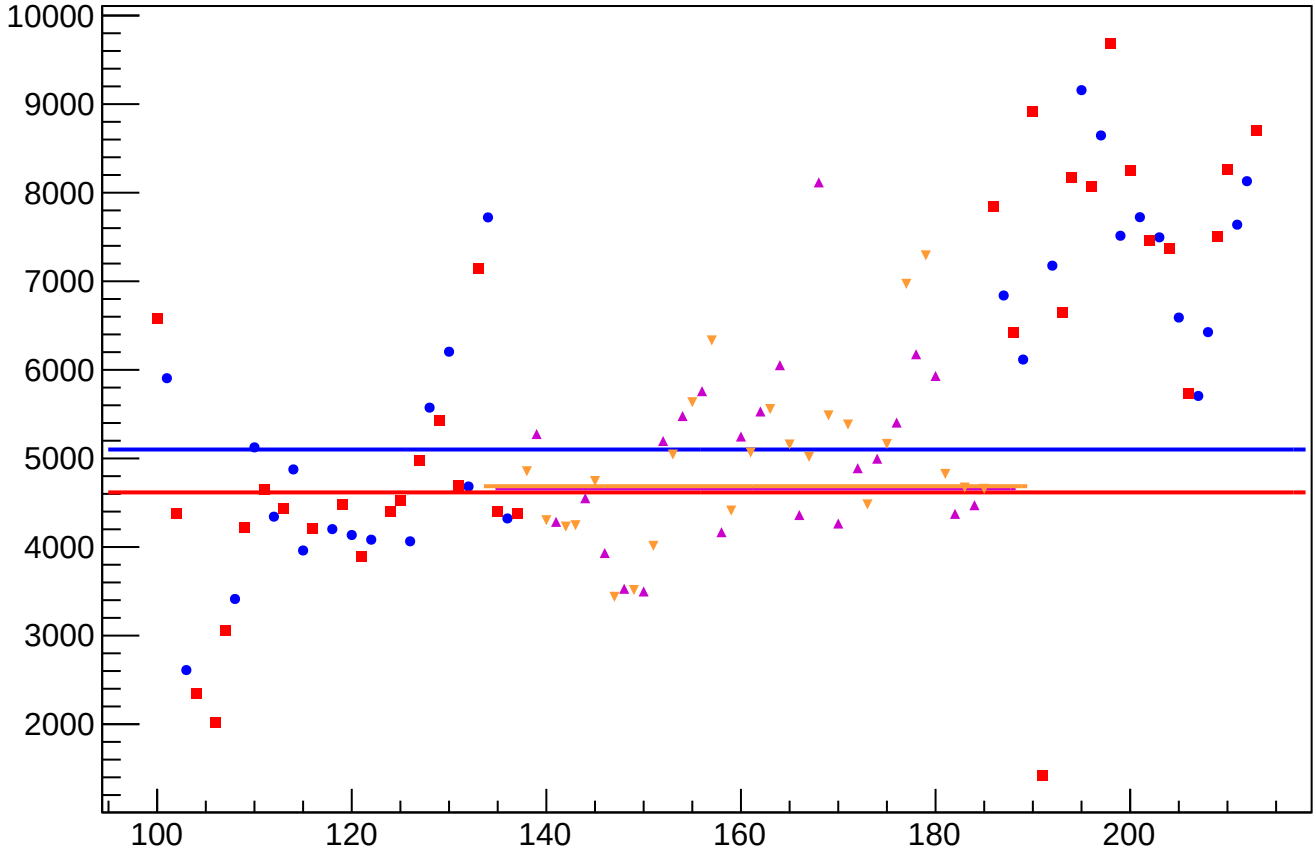
Right: -696.388+/-874.058 χ^2/NDF: 68.0/62

In: -64.715+/-844.766 χ^2/NDF:42.9/51

Out: -639.010+/-800.809 χ^2/NDF:67.8/58

All: -367.192+/-581.176 χ^2/NDF: 110.9/110

asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5100.774+/-0.918 χ^2/NDF: 3698930.9/28

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

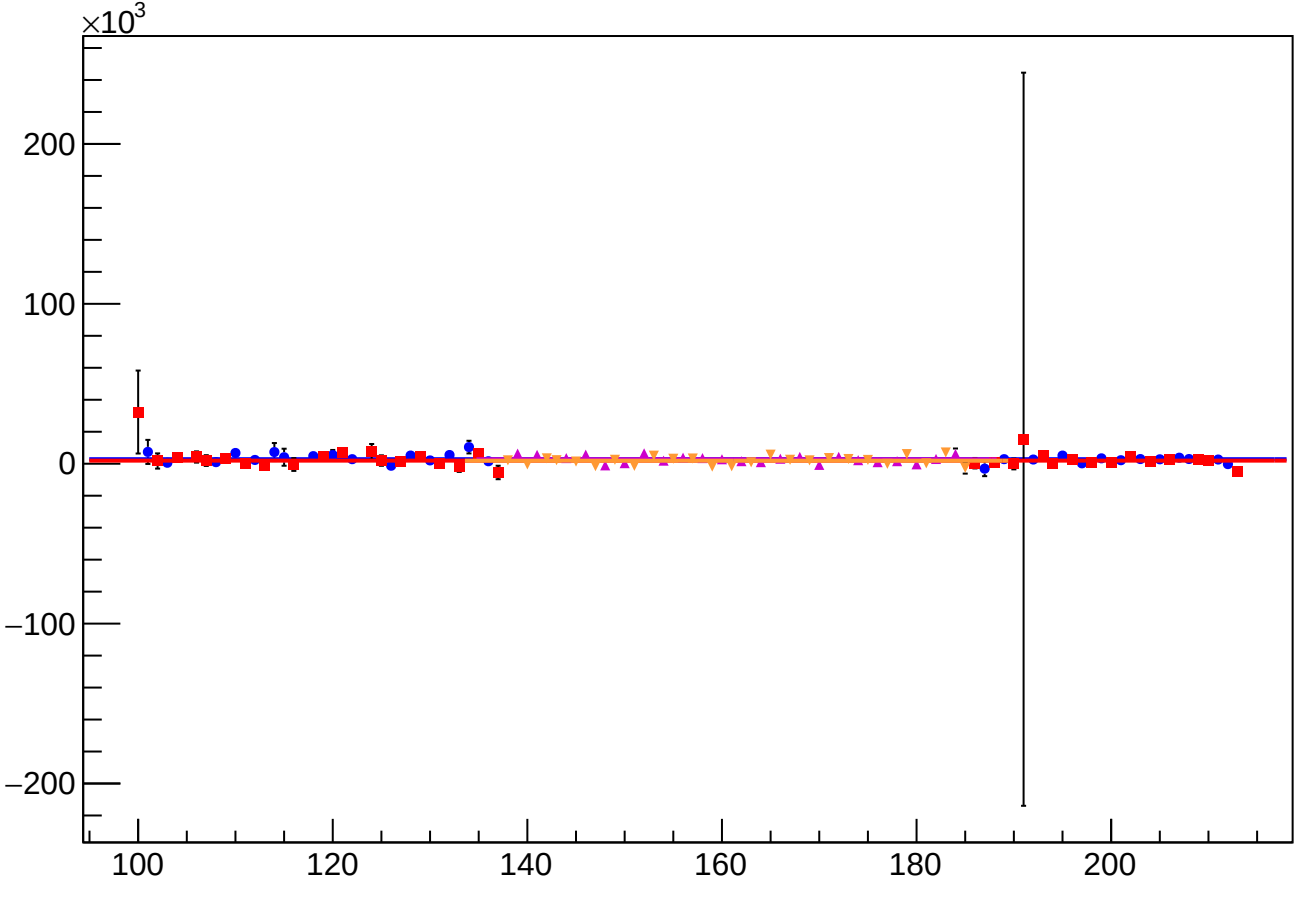
Right: 4836.073+/-0.618 χ^2/NDF: 10352104.7/62

In: 4848.546+/-0.597 χ^2/NDF:5116620.4/51

Out: 4654.318+/-0.566 χ^2/NDF:7689913.3/58

All: 4746.247+/-0.411 χ^2/NDF: 12862218.8/1

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2838.588+/-479.680 χ^2/NDF: 18.8/28

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

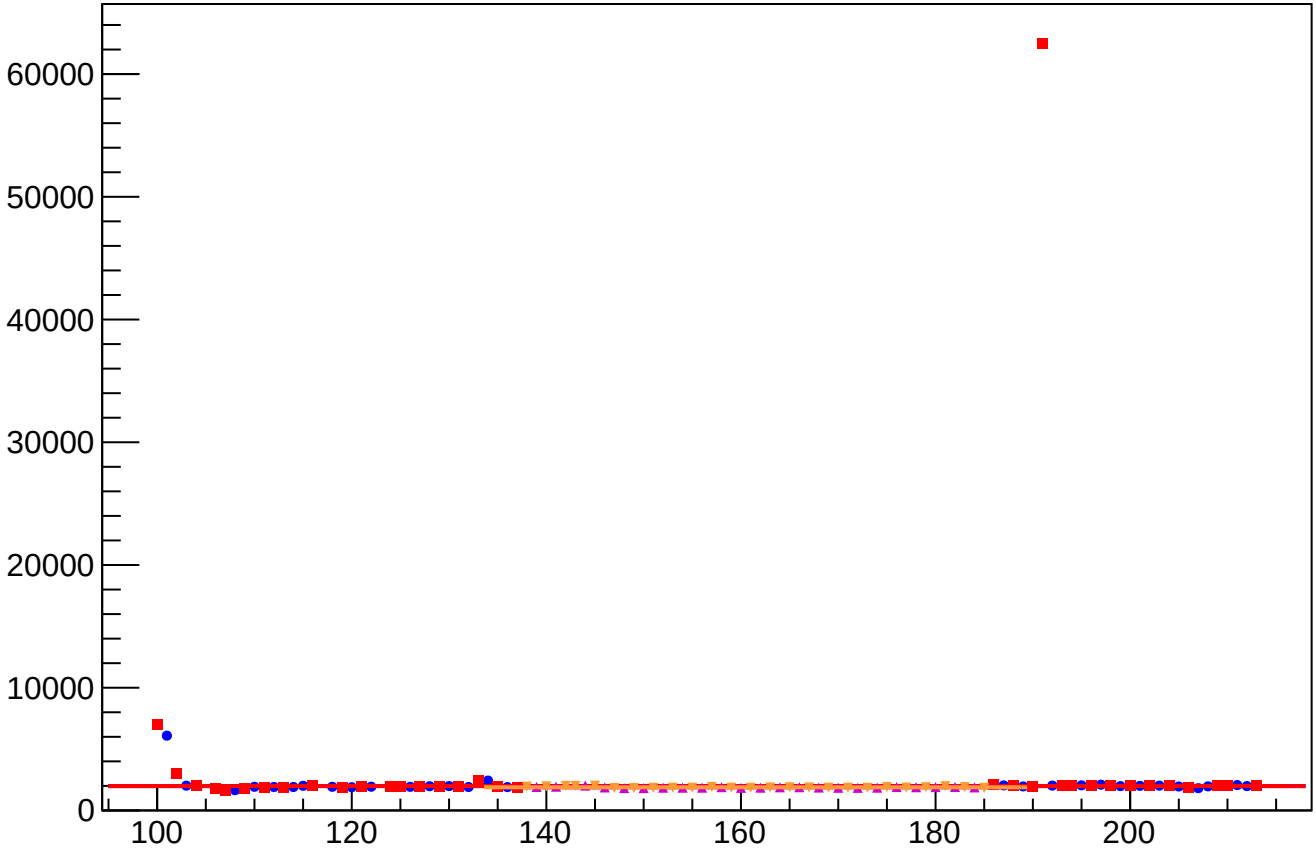
Right: 2372.564+/-333.561 χ^2/NDF: 55.0/62

In: 2816.748+/-323.942 χ^2/NDF:44.2/51

Out: 1906.399+/-315.037 χ^2/NDF:67.4/58

All: 2348.888+/-225.847 χ^2/NDF: 115.6/110

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1983.182+/-0.339 χ^2/NDF: 693308.9/28

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

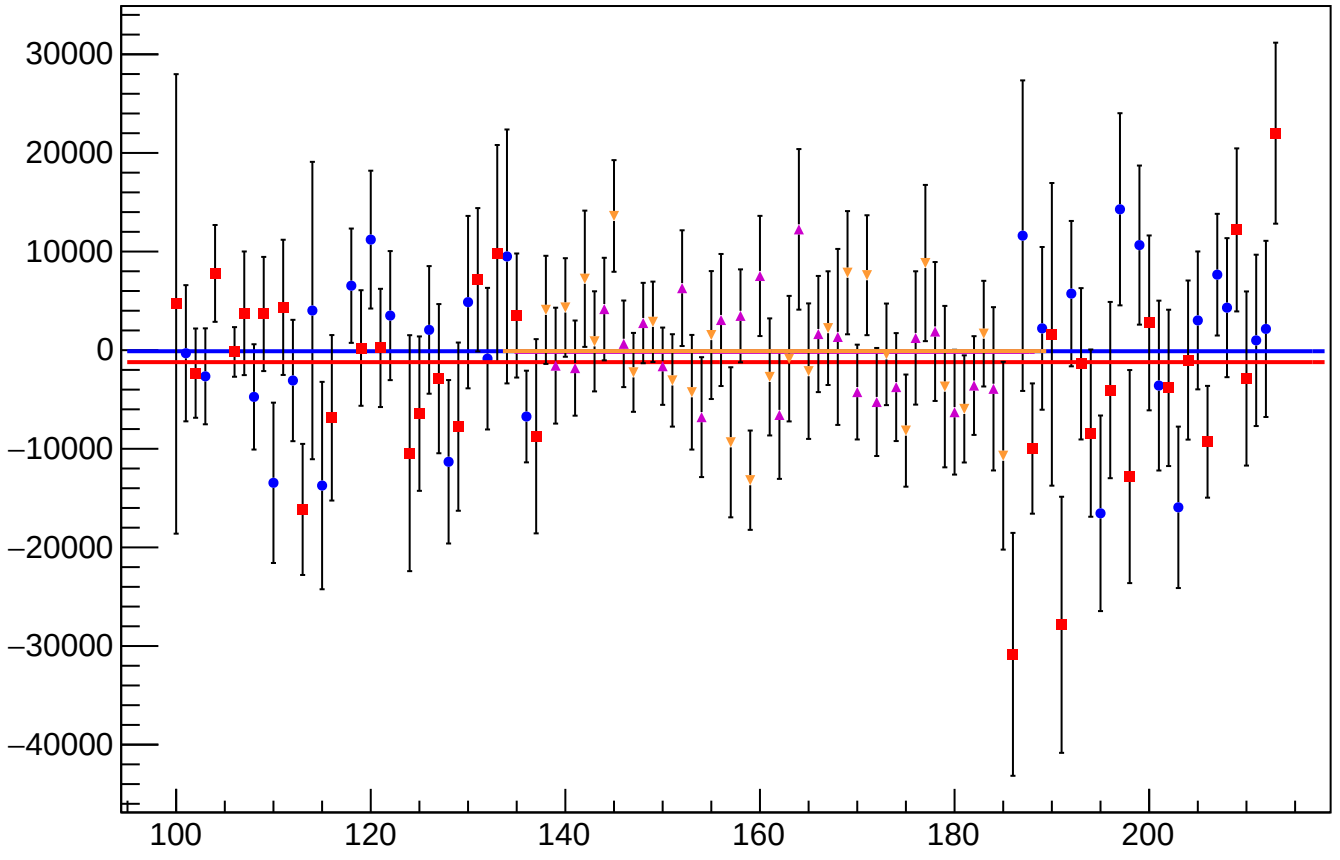
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1985.666+/-0.236 χ^2/NDF: 1129492.0/62

In: 1927.371+/-0.229 χ^2/NDF:762123.3/51

Out: 1933.835+/-0.223 χ^2/NDF:518567.6/58

All: 1930.694+/-0.160 χ^2/NDF: 1281100.2/11



Right In: -107.376+/-1355.347 χ^2/NDF: 28.9/28

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

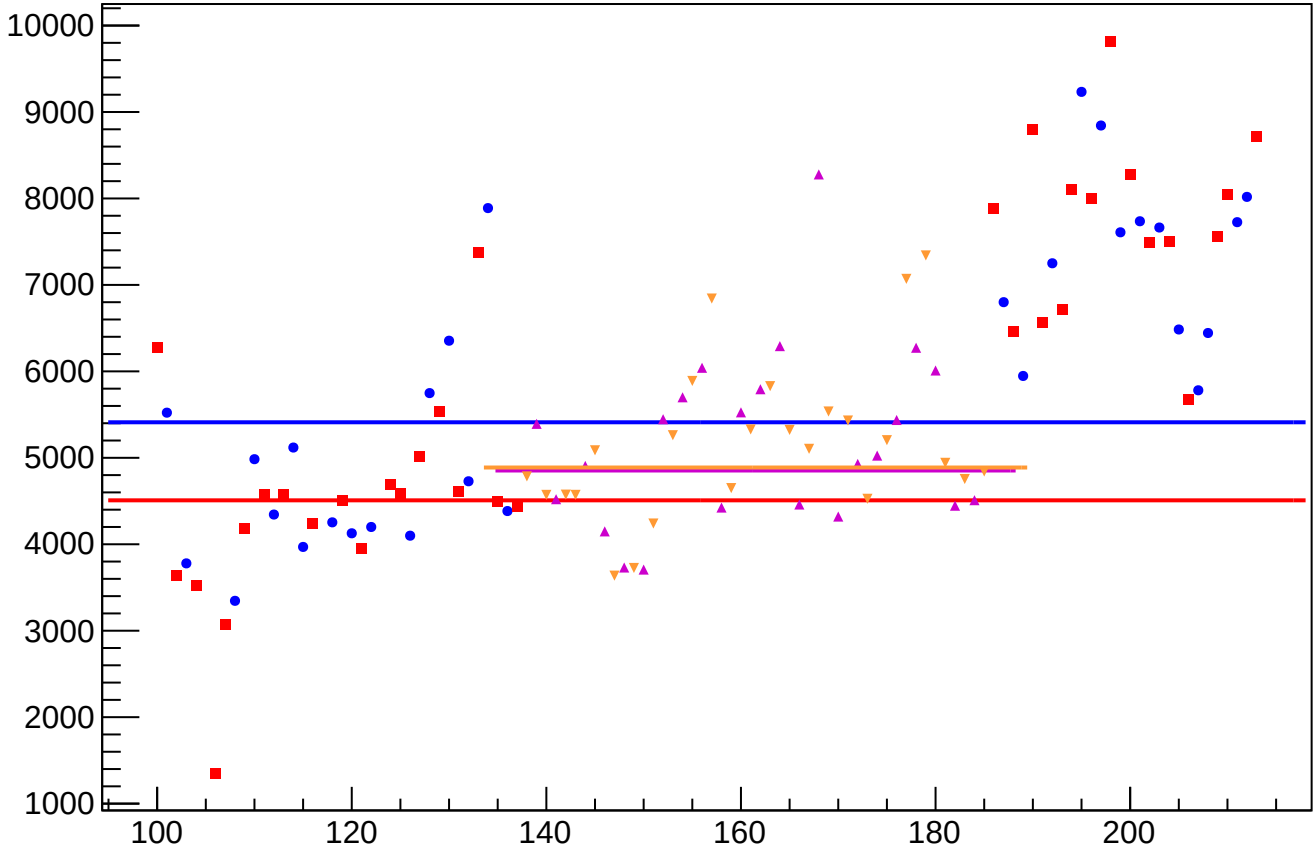
Right: -745.610+/-881.037 χ^2/NDF: 70.9/62

In: -147.758+/-879.561 χ^2/NDF:42.5/51

Out: -639.474+/-810.416 χ^2/NDF:70.2/58

All: -413.701+/-595.998 χ^2/NDF: 112.8/110

asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5411.006+/-0.958 χ^2/NDF: 2692431.6/28

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

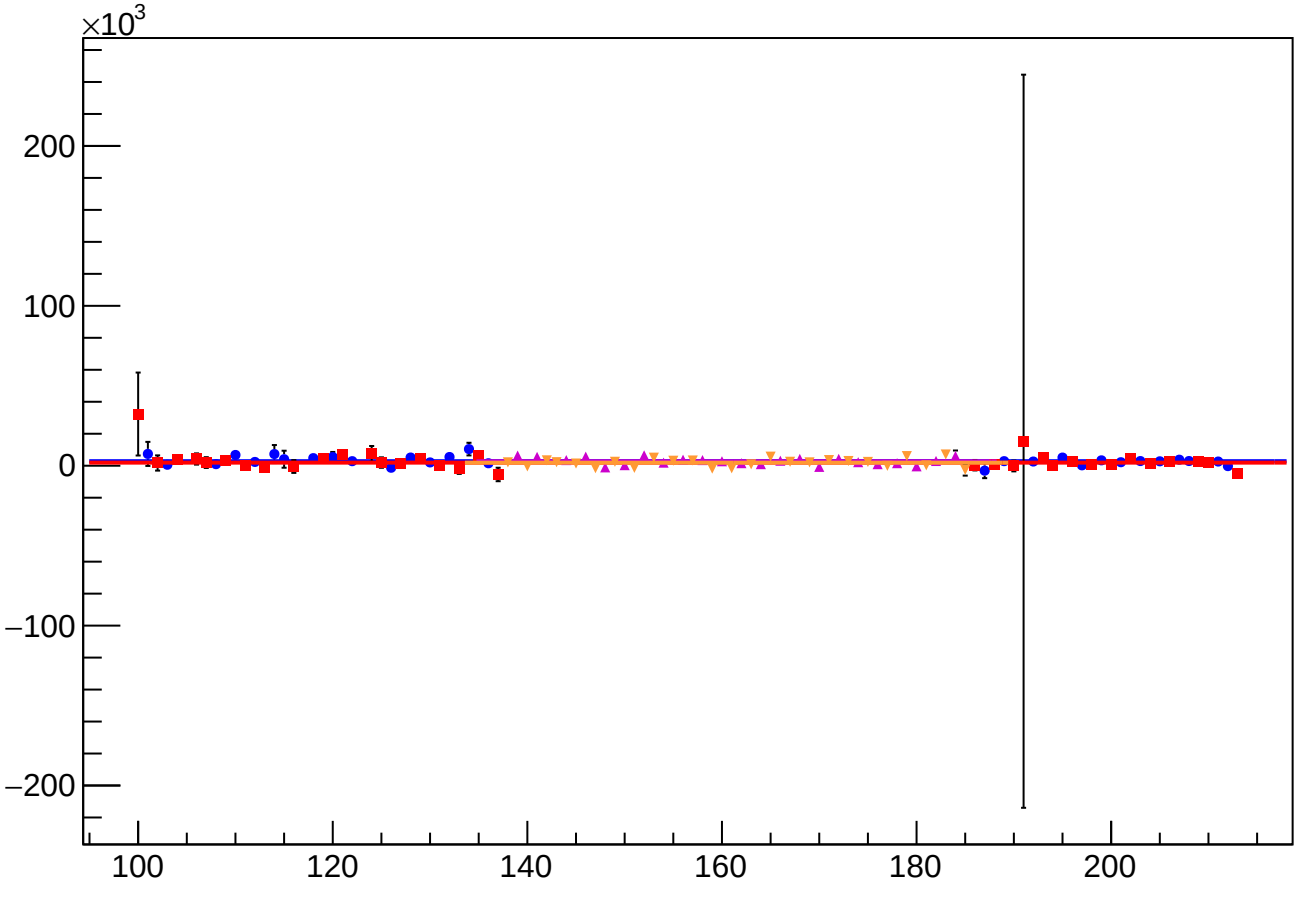
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4889.672+/-0.623 χ^2/NDF: 10700881.9/62

In: 5088.211+/-0.622 χ^2/NDF:4067048.3/51

Out: 4702.333+/-0.573 χ^2/NDF:8668969.6/58

All: 4879.510+/-0.421 χ^2/NDF: 12944214.2/1



Right In: 2838.587+/-479.680 χ^2/NDF: 18.8/28

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

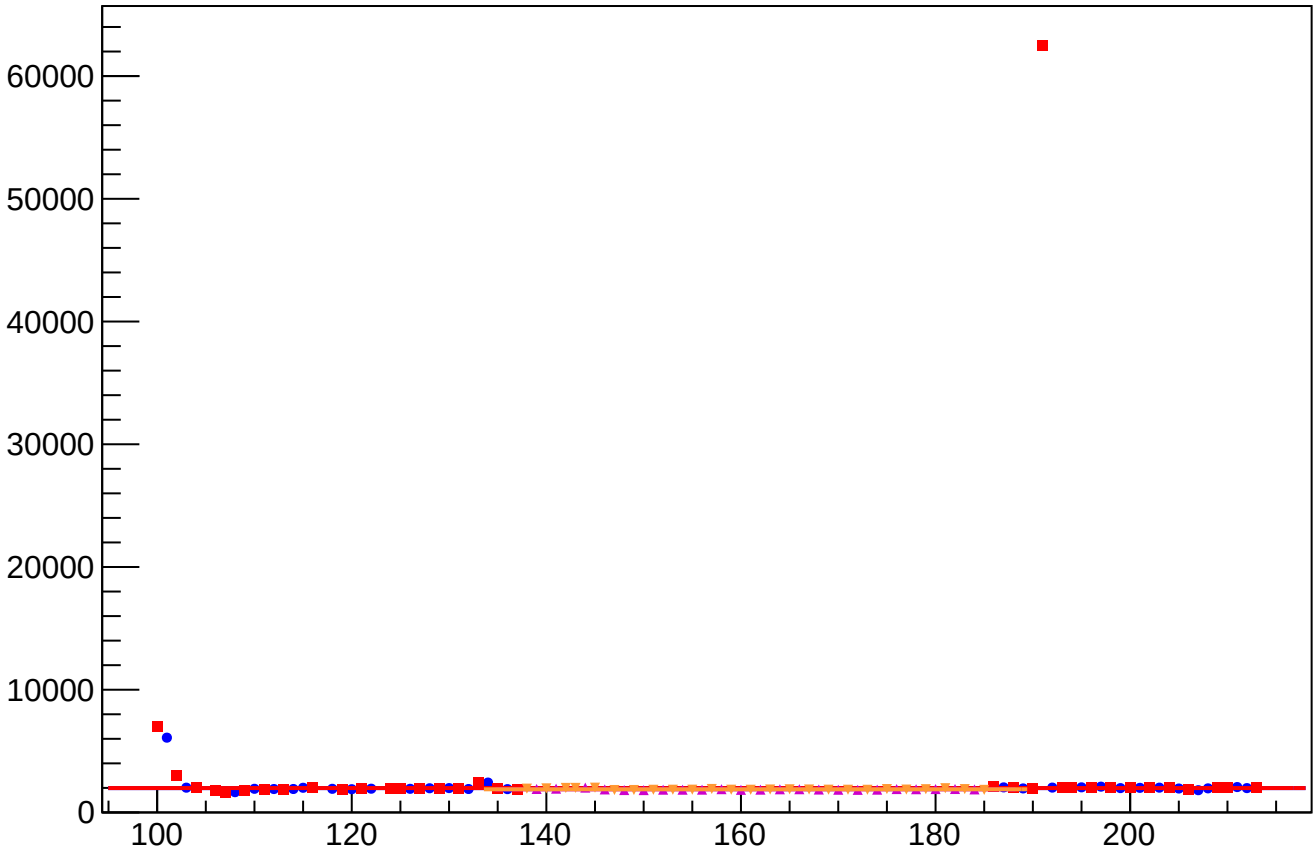
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2372.563+/-333.560 χ^2/NDF: 55.0/62

In: 2816.747+/-323.942 χ^2/NDF:44.2/51

Out: 1906.396+/-315.037 χ^2/NDF:67.4/58

All: 2348.886+/-225.847 χ^2/NDF: 115.6/110



Right In: 1983.182+/-0.339 χ^2/NDF: 693309.0/28

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

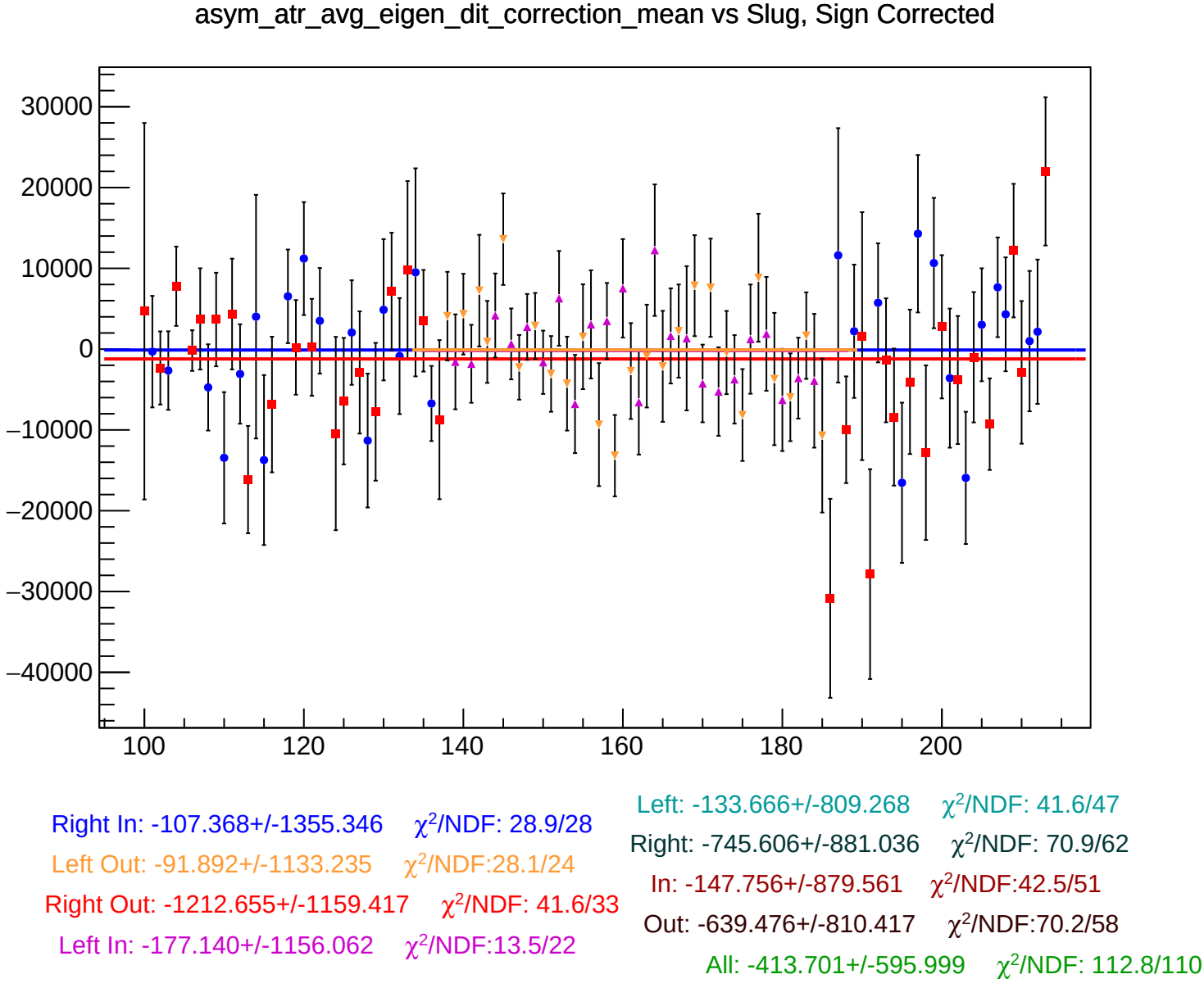
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

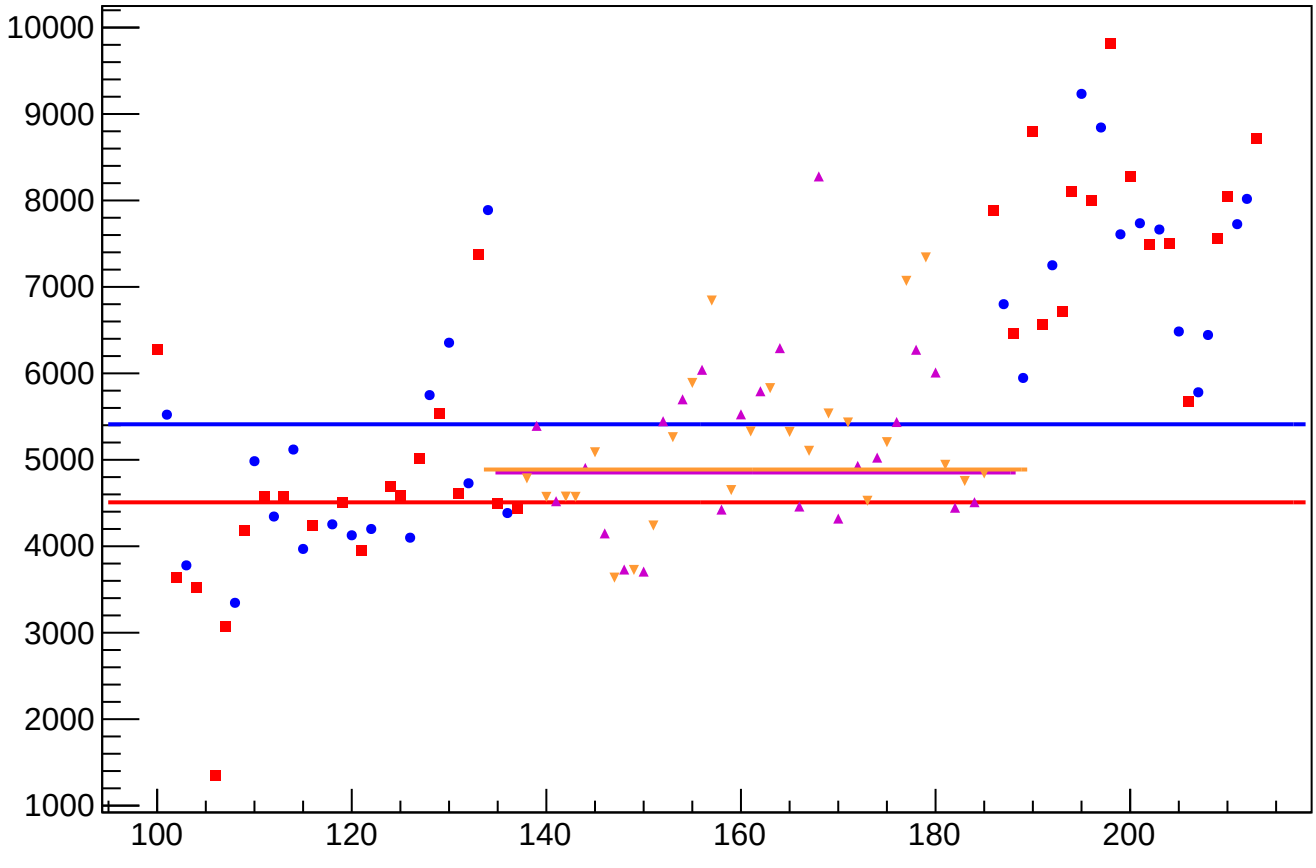
Right: 1985.666+/-0.236 χ^2/NDF: 1129491.7/62

In: 1927.371+/-0.229 χ^2/NDF:762122.6/51

Out: 1933.836+/-0.223 χ^2/NDF:518566.3/58

All: 1930.694+/-0.160 χ^2/NDF: 1281098.3/11


asym_atr_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: -107.368+/-1355.346 χ²/NDF: 28.9/28
Left Out: -91.892+/-1133.235 χ²/NDF:28.1/24
Right Out: -1212.655+/-1159.417 χ²/NDF: 41.6/33
Left In: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -133.666+/-809.268 χ²/NDF: 41.6/47
Right: -745.606+/-881.036 χ²/NDF: 70.9/62
In: -147.756+/-879.561 χ²/NDF:42.5/51
Out: -639.476+/-810.417 χ²/NDF:70.2/58
All: -413.701+/-595.999 χ²/NDF: 112.8/110



Right In: 5411.001+/-0.958 χ^2/NDF: 2692453.7/28

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

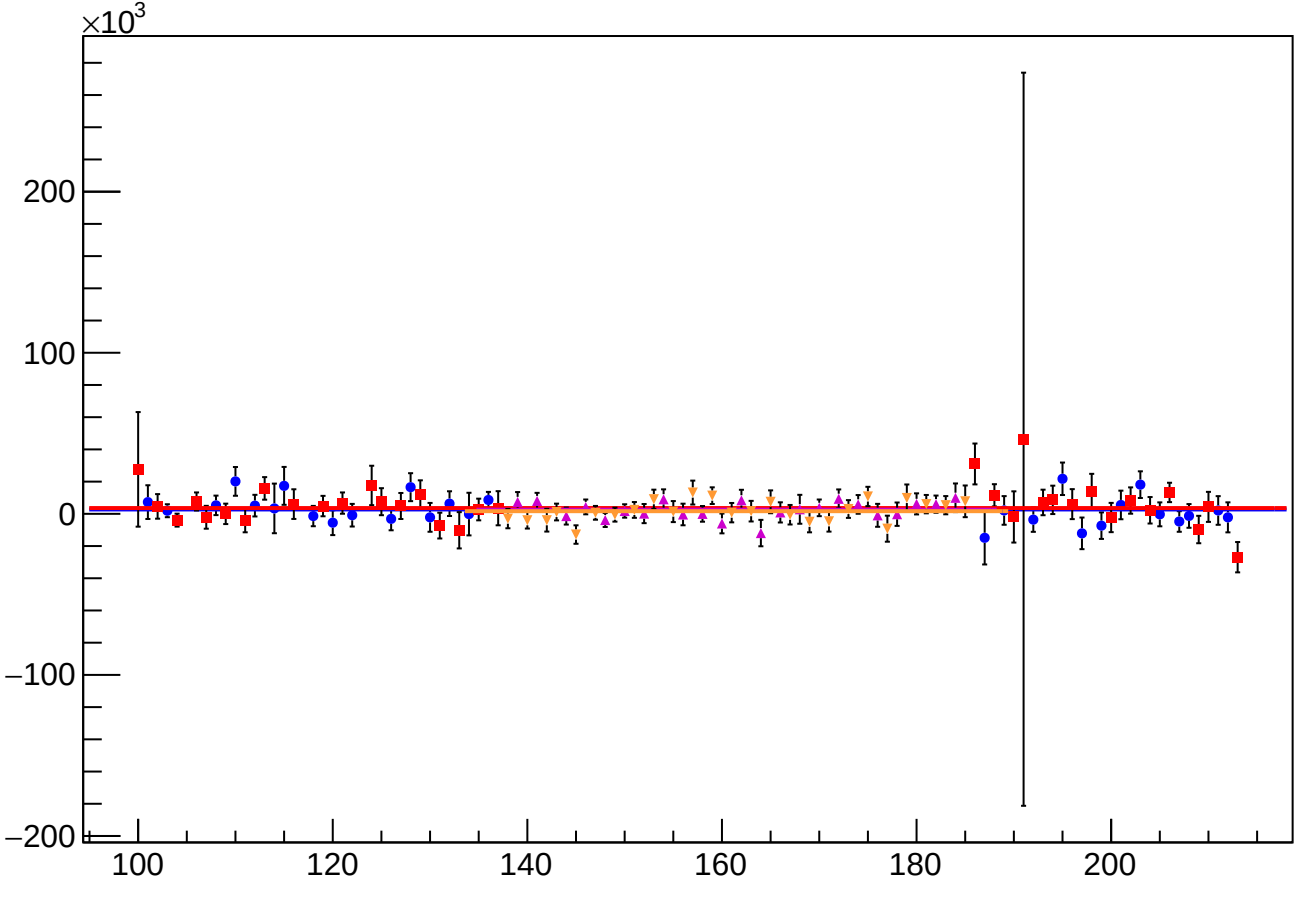
Right: 4889.665+/-0.623 χ^2/NDF: 10700952.2/62

In: 5088.214+/-0.622 χ^2/NDF:4067064.4/51

Out: 4702.332+/-0.573 χ^2/NDF:8669023.2/58

All: 4879.511+/-0.421 χ^2/NDF: 12944287.7/1

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2719.047+/-1419.680 χ^2/NDF: 27.7/28

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

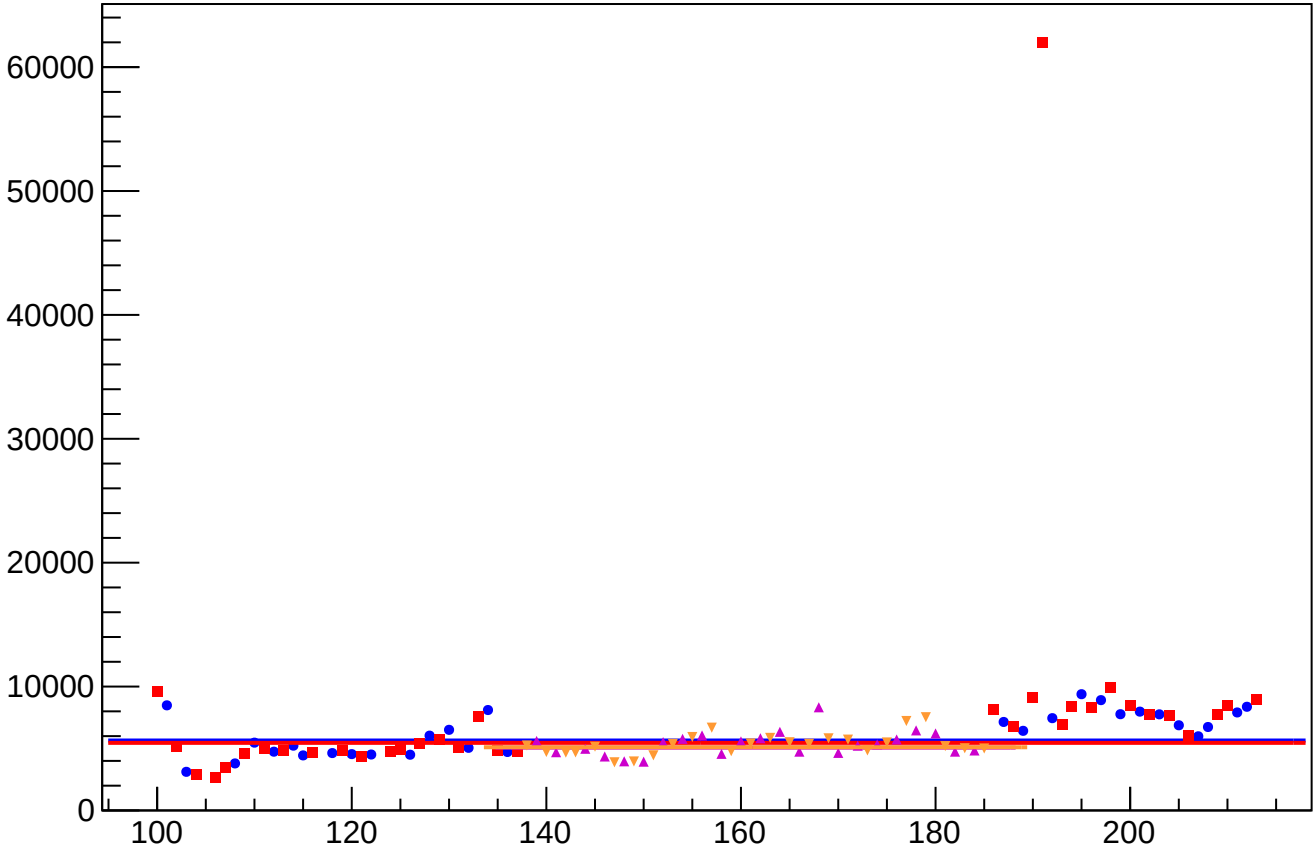
Right: 3168.743+/-980.603 χ^2/NDF: 67.5/62

In: 2628.661+/-918.445 χ^2/NDF:43.7/51

Out: 2482.786+/-889.593 χ^2/NDF:66.7/58

All: 2553.396+/-638.994 χ^2/NDF: 110.4/110

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5645.887+/-1.004 χ^2/NDF: 2997160.4/28

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

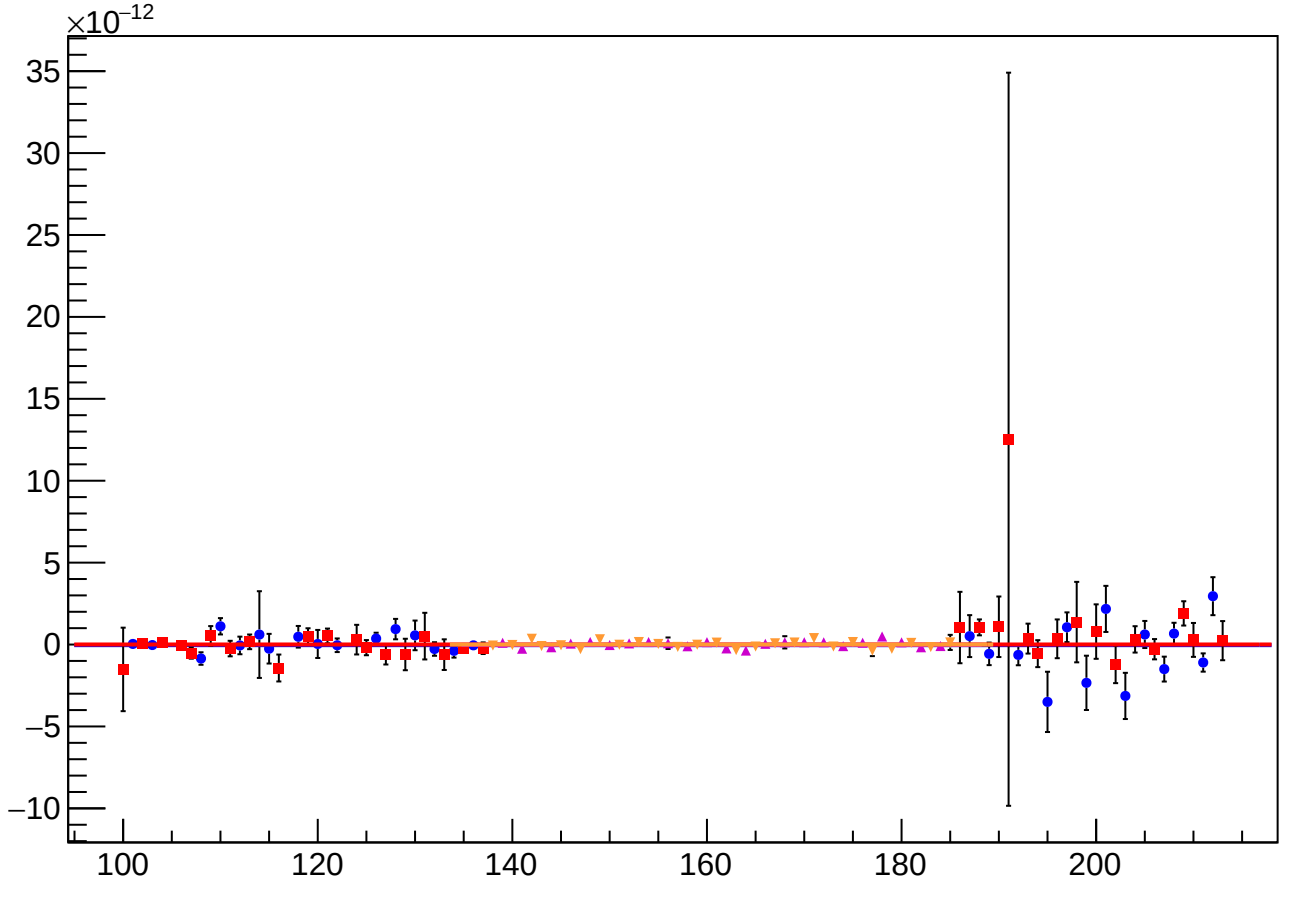
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5546.594+/-0.691 χ^2/NDF: 7276684.4/62

In: 5313.085+/-0.649 χ^2/NDF:4178088.7/51

Out: 5255.016+/-0.627 χ^2/NDF:5249454.1/58

All: 5283.052+/-0.451 χ^2/NDF: 9431677.7/11



Right In: -0.000+/-0.000 χ^2/NDF: 47.6/28

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

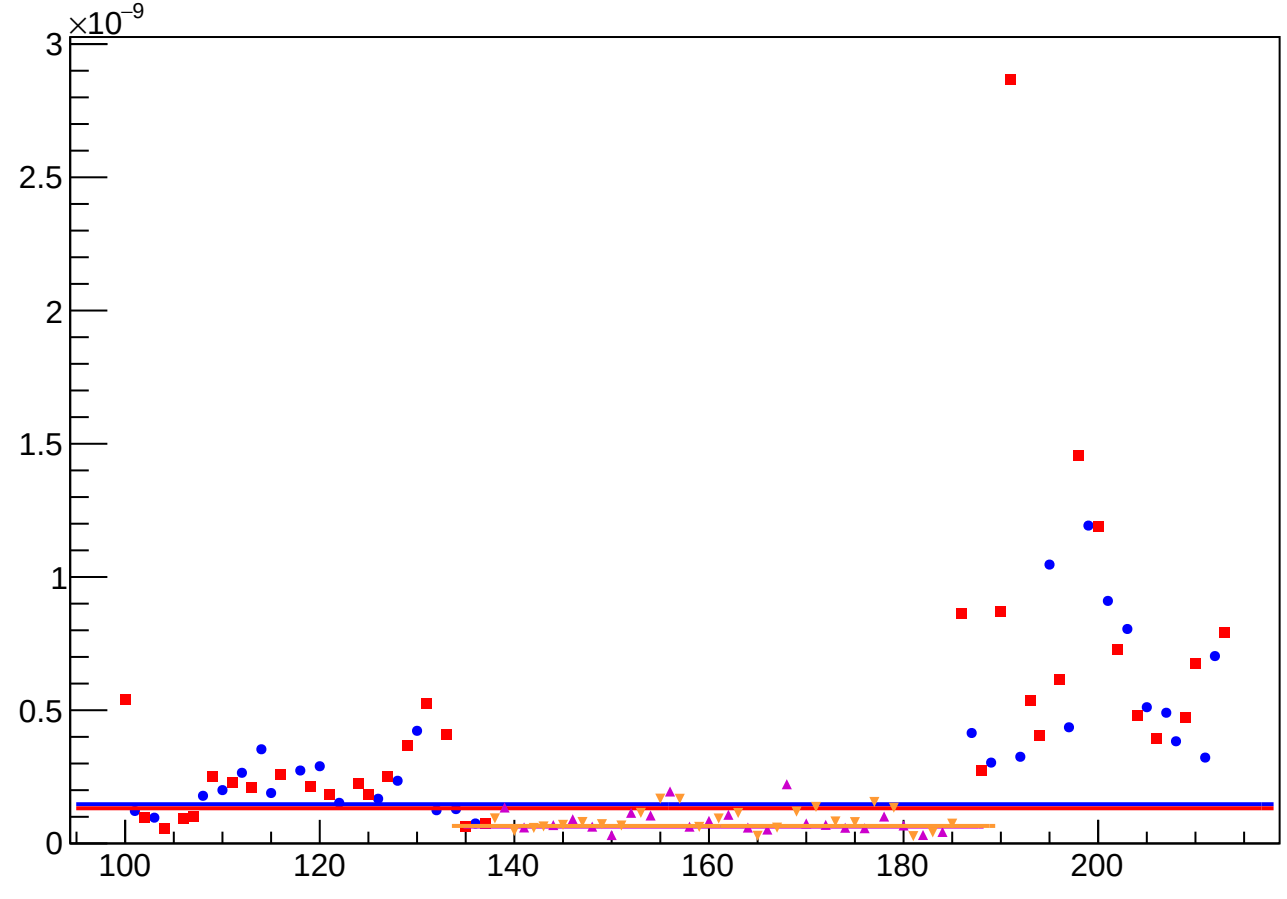
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 78.0/62

In: -0.000+/-0.000 χ^2/NDF:80.1/51

Out: 0.000+/-0.000 χ^2/NDF:63.4/58

All: -0.000+/-0.000 χ^2/NDF: 143.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 5979088.9/28

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

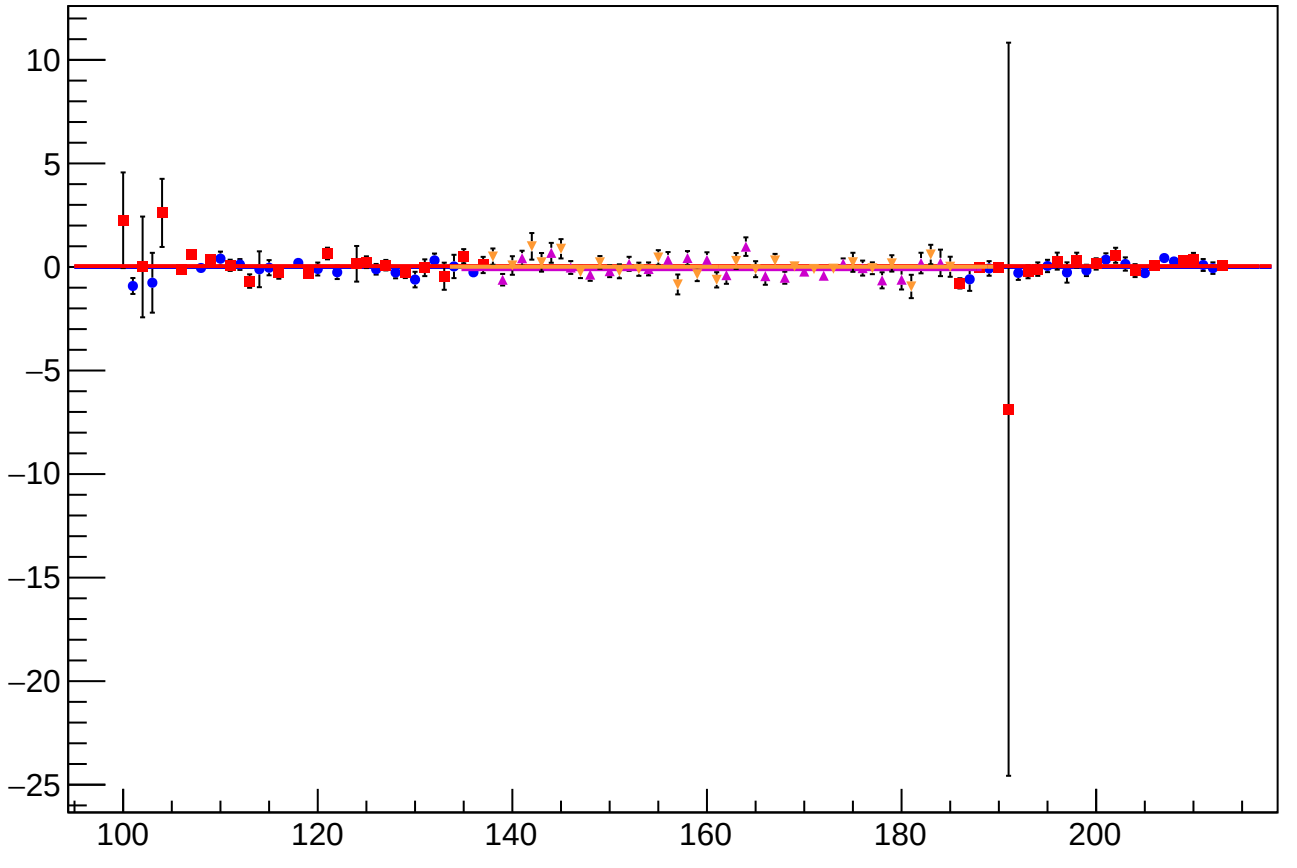
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14187755.3/62

In: 0.000+/-0.000 χ^2/NDF:10557131.8/51

Out: 0.000+/-0.000 χ^2/NDF:12201520.0/58

All: 0.000+/-0.000 χ^2/NDF: 22759632.5/110



Right In: -0.001+/-0.053 χ^2/NDF: 29.7/28

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

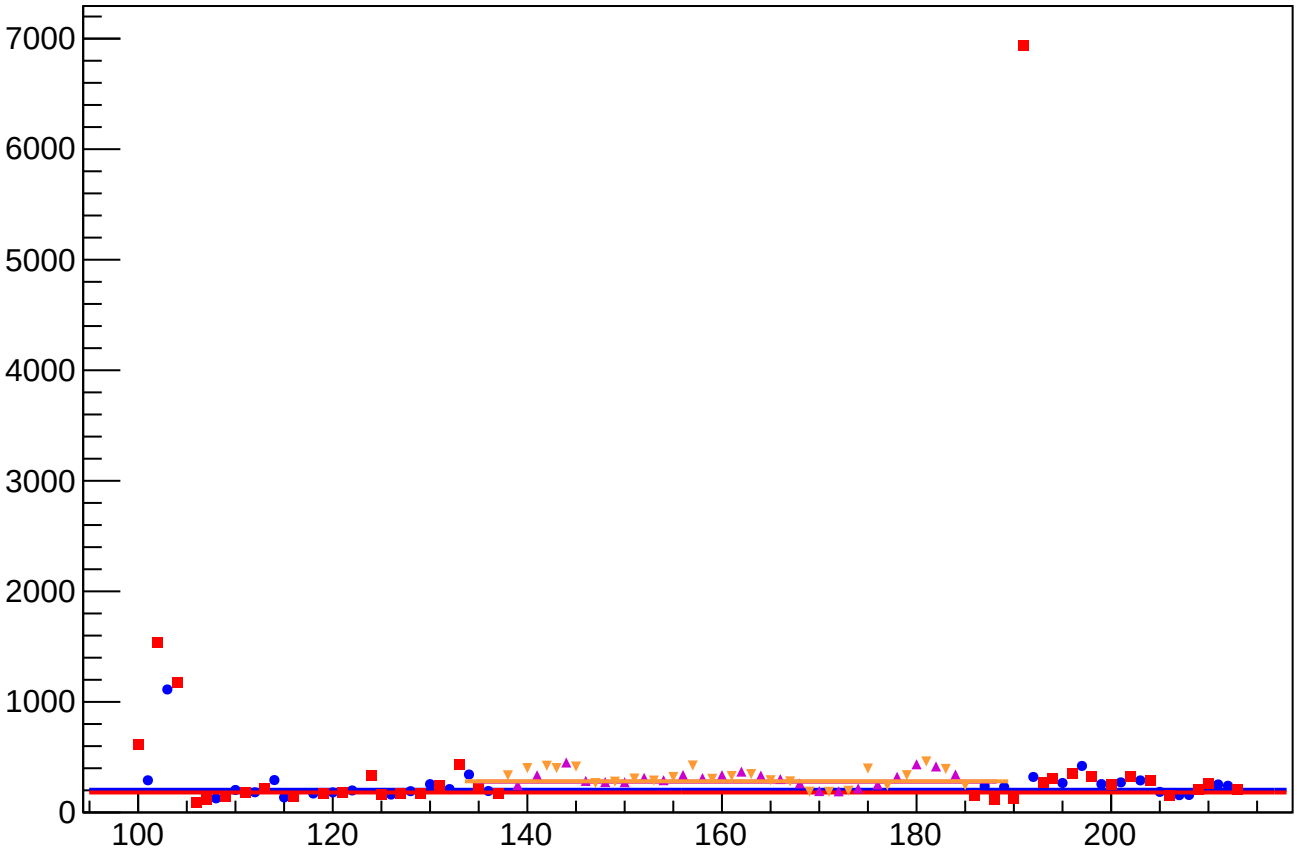
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.024+/-0.035 χ^2/NDF: 78.2/62

In: -0.040+/-0.042 χ^2/NDF:62.5/51

Out: 0.033+/-0.039 χ^2/NDF:73.5/58

All: -0.001+/-0.029 χ^2/NDF: 137.6/110



Right In: 205.241+/-0.038 χ^2/NDF: 2984452.5/28

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

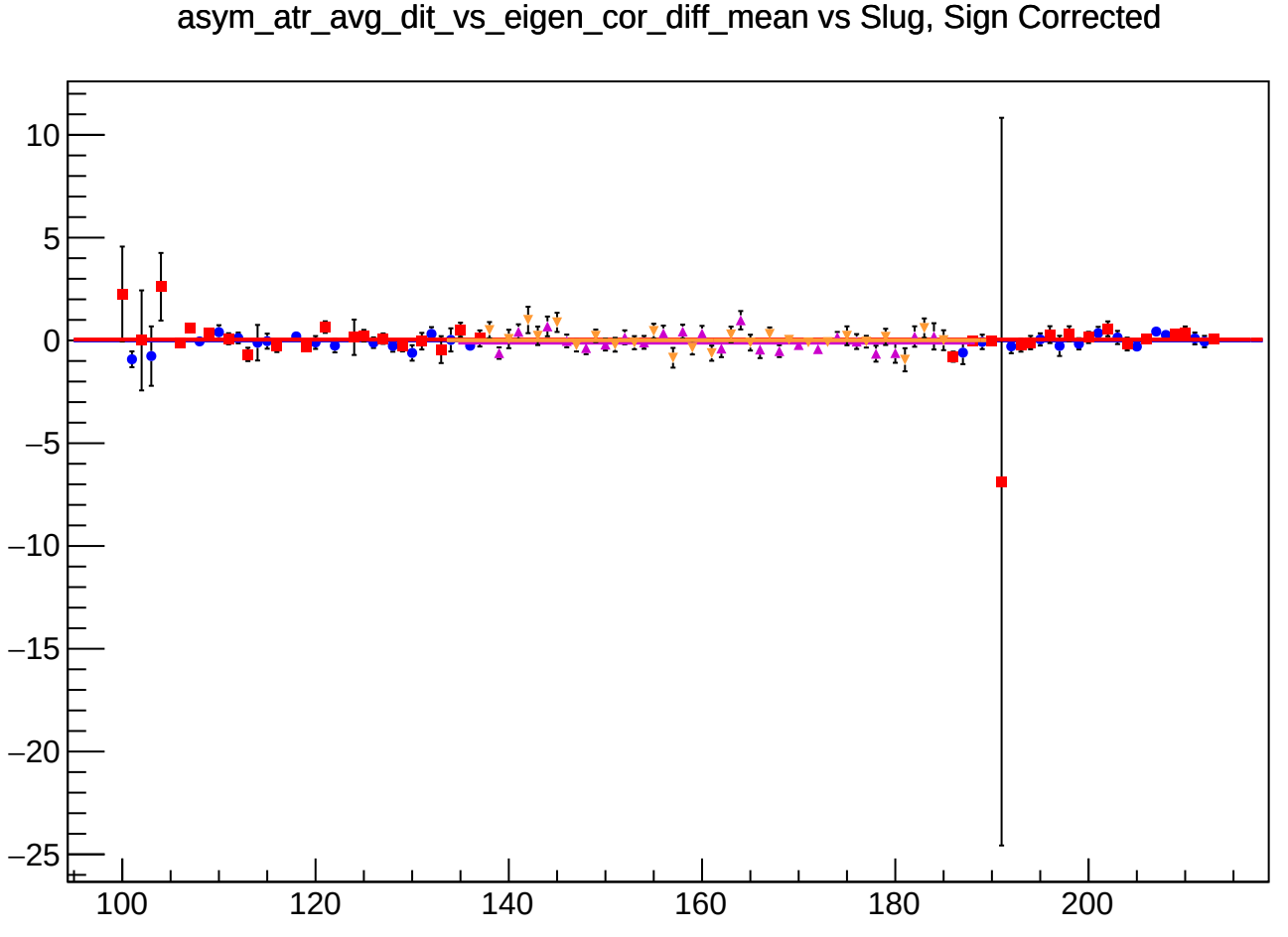
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 191.491+/-0.025 χ^2/NDF: 8904003.4/62

In: 232.905+/-0.030 χ^2/NDF:6199269.1/51

Out: 213.664+/-0.027 χ^2/NDF:11180392.7/58

All: 222.492+/-0.020 χ^2/NDF: 17604902.5/1



Right In: -0.001+/-0.053 χ^2/NDF: 29.7/28

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

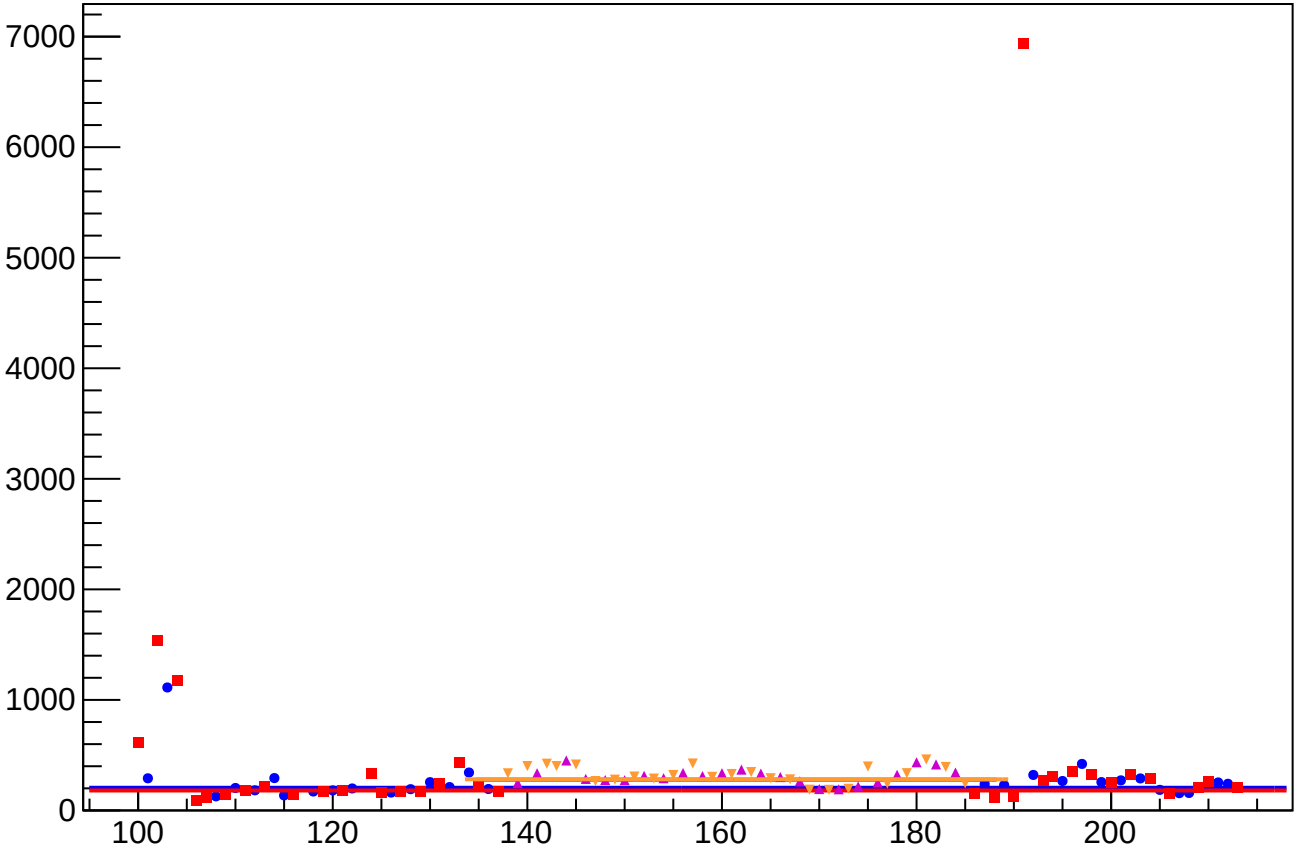
Right: 0.024+/-0.035 χ^2/NDF: 78.2/62

In: -0.040+/-0.042 χ^2/NDF:62.5/51

Out: 0.033+/-0.039 χ^2/NDF:73.5/58

All: -0.001+/-0.029 χ^2/NDF: 137.6/110

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 205.241+/-0.038 χ^2/NDF: 2984452.5/28

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

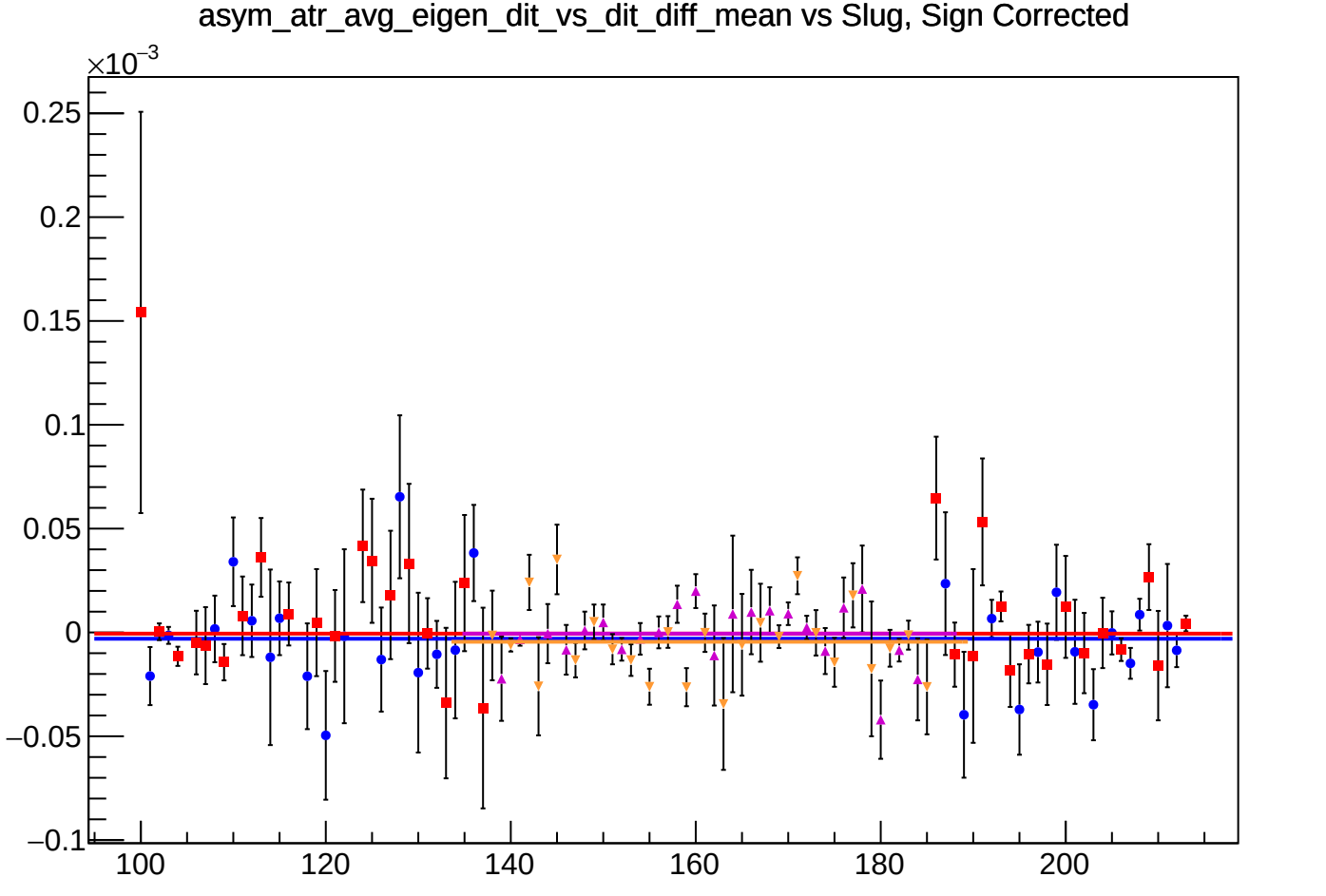
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 191.491+/-0.025 χ^2/NDF: 8904003.4/62

In: 232.905+/-0.030 χ^2/NDF:6199269.1/51

Out: 213.664+/-0.027 χ^2/NDF:11180392.7/58

All: 222.492+/-0.020 χ^2/NDF: 17604902.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 30.8/28

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

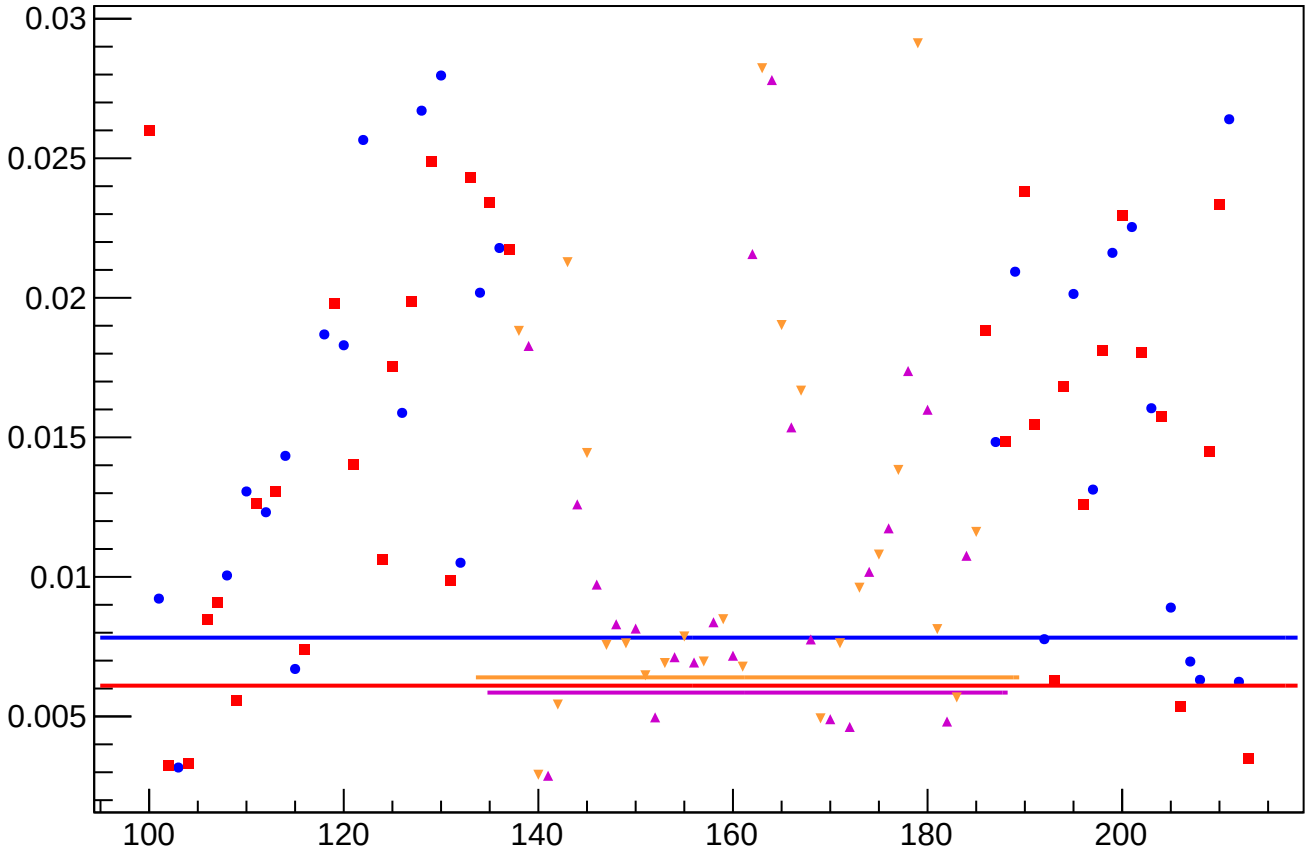
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 75.0/62

In: -0.000+/-0.000 χ^2/NDF:60.6/51

Out: -0.000+/-0.000 χ^2/NDF:92.3/58

All: -0.000+/-0.000 χ^2/NDF: 153.4/110



Right In: 0.008+/-0.000 χ^2/NDF: 10432485.5/28

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

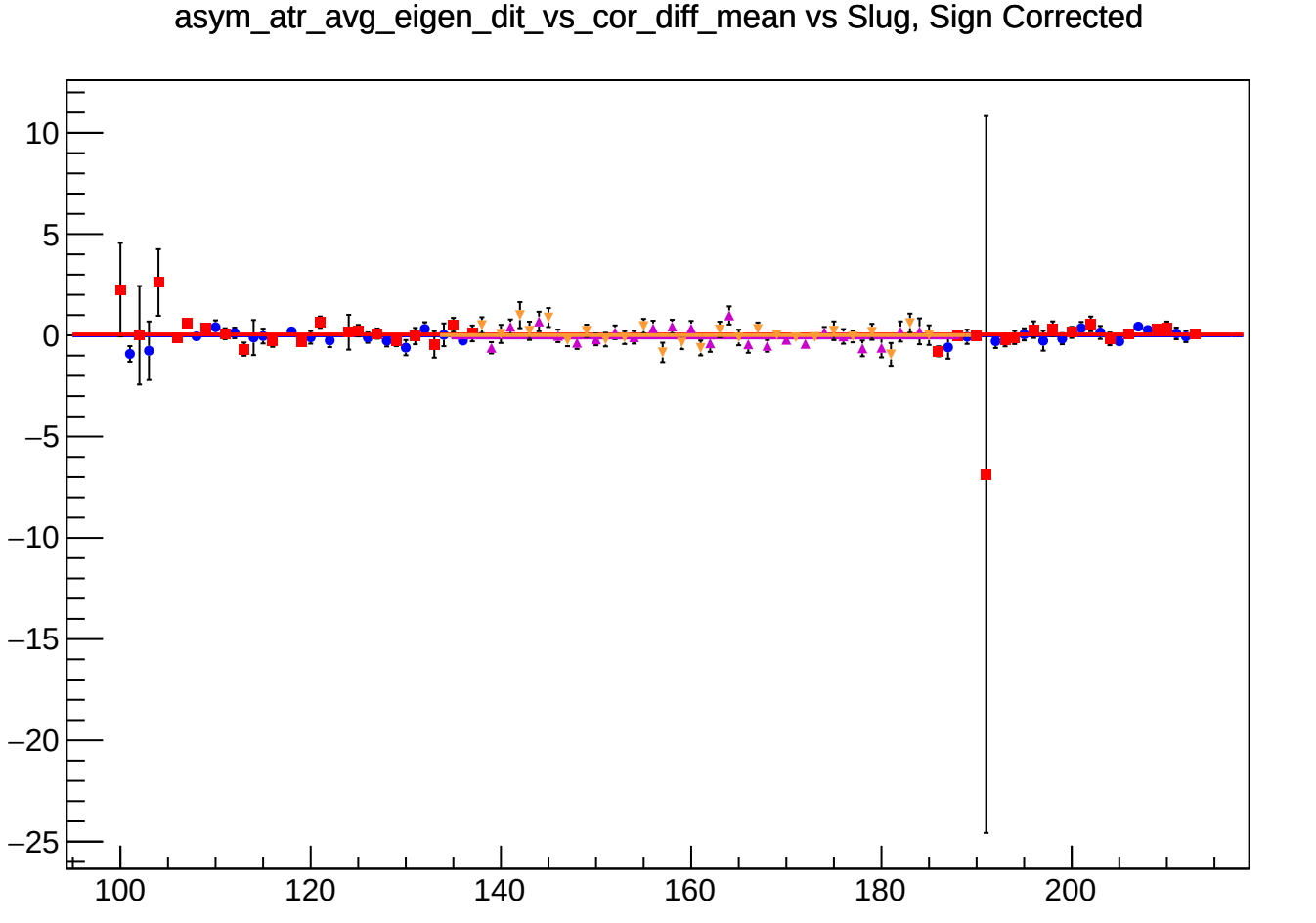
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.007+/-0.000 χ^2/NDF: 25225723.3/62

In: 0.006+/-0.000 χ^2/NDF:19518971.9/51

Out: 0.006+/-0.000 χ^2/NDF:23115274.7/58

All: 0.006+/-0.000 χ^2/NDF: 42666939.2/110



Right In: -0.001+/-0.053 χ^2/NDF: 29.7/28

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

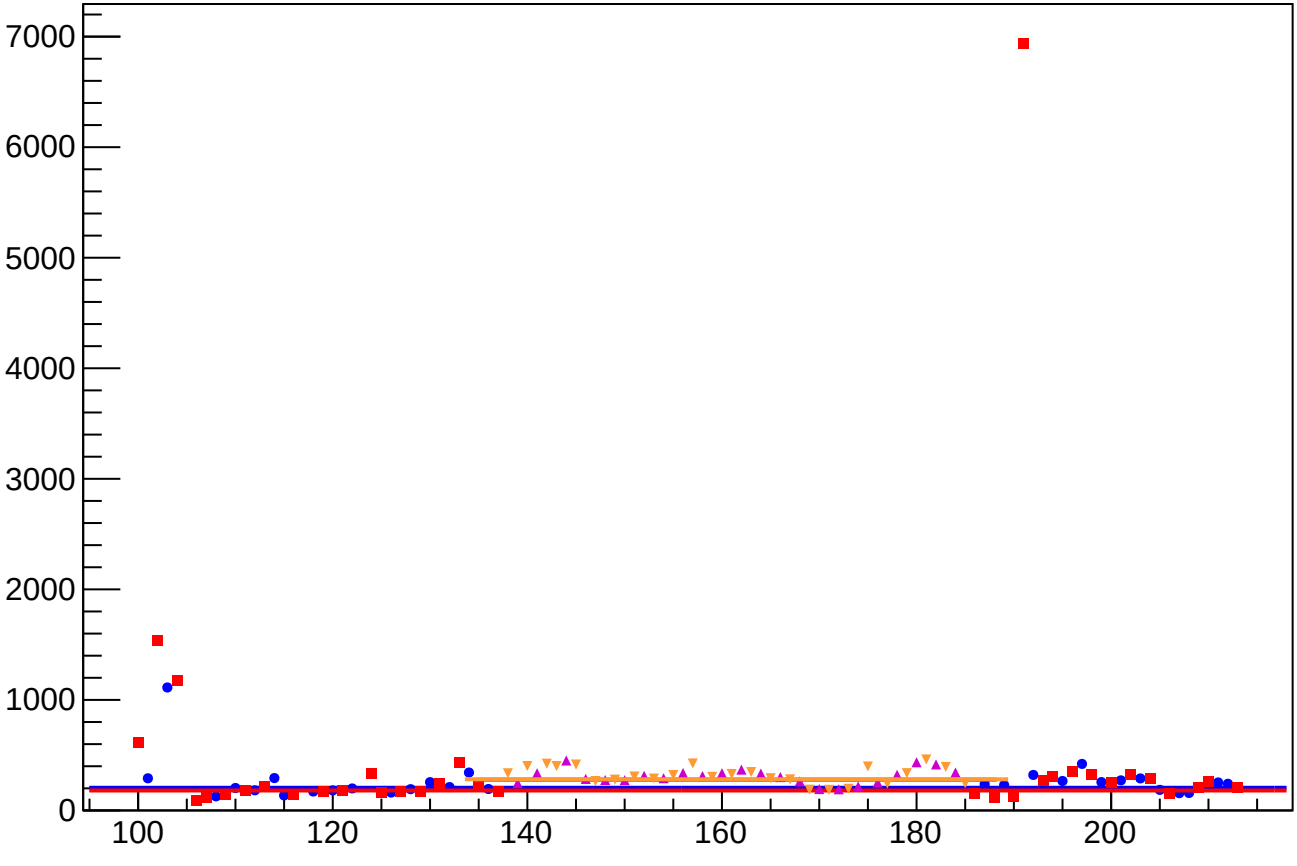
Right: 0.024+/-0.035 χ^2/NDF: 78.2/62

In: -0.040+/-0.042 χ^2/NDF:62.5/51

Out: 0.033+/-0.039 χ^2/NDF:73.5/58

All: -0.001+/-0.029 χ^2/NDF: 137.6/110

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 205.241+/-0.038 χ^2/NDF: 2984477.4/28

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

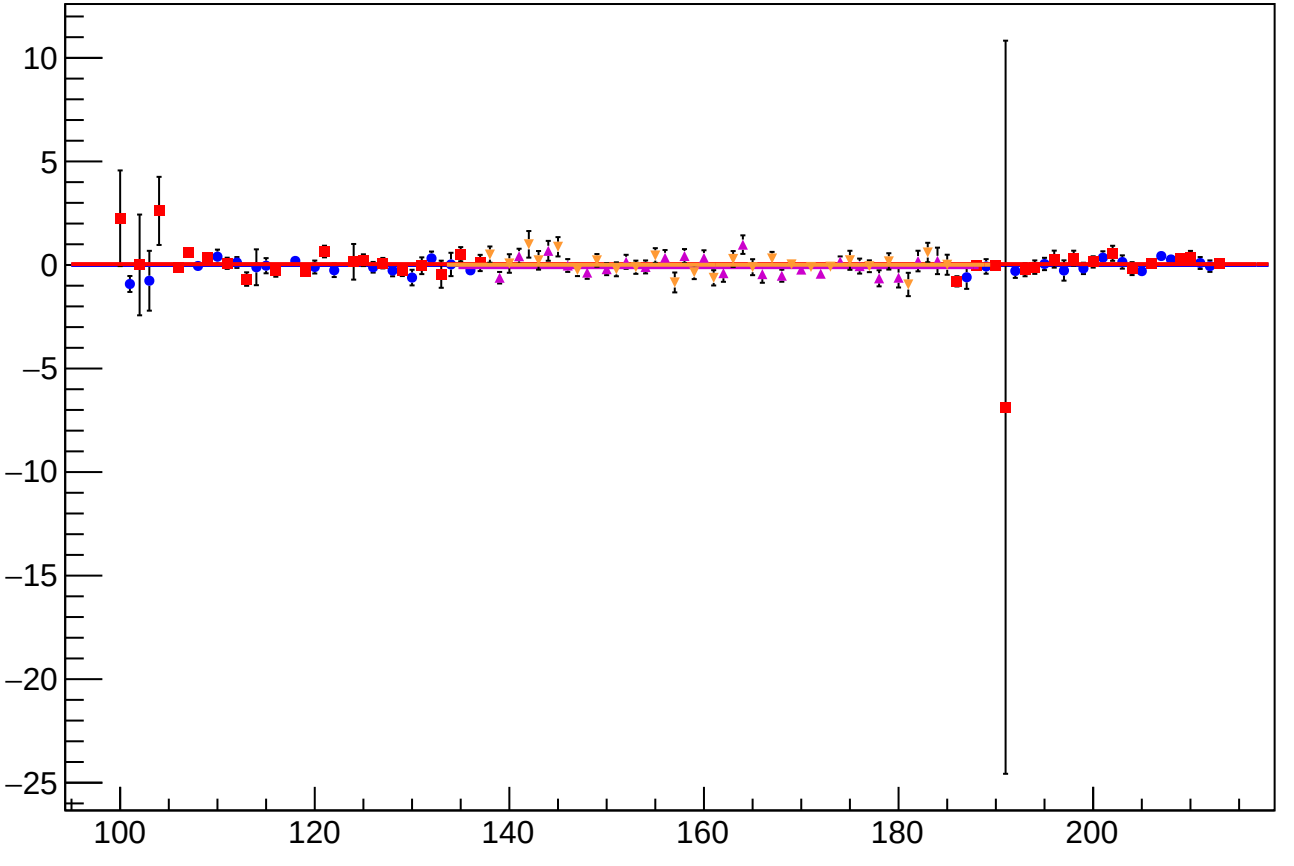
Right: 191.489+/-0.025 χ^2/NDF: 8904230.7/62

In: 232.905+/-0.030 χ^2/NDF:6199428.7/51

Out: 213.662+/-0.027 χ^2/NDF:11180912.0/58

All: 222.491+/-0.020 χ^2/NDF: 17605637.9/1

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.053 χ^2/NDF: 29.7/28

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

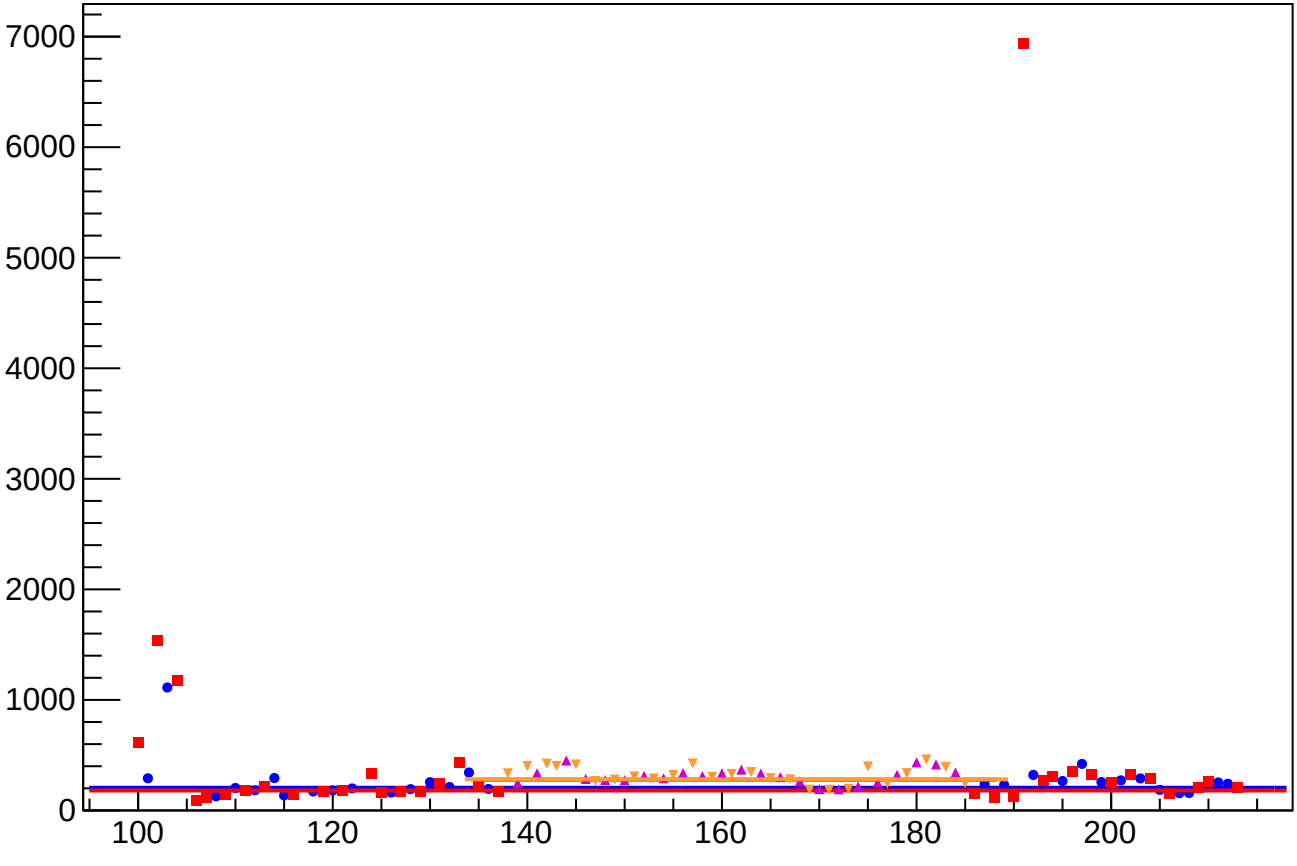
Right: 0.024+/-0.035 χ^2/NDF: 78.2/62

In: -0.040+/-0.042 χ^2/NDF:62.5/51

Out: 0.033+/-0.039 χ^2/NDF:73.5/58

All: -0.001+/-0.029 χ^2/NDF: 137.6/110

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 205.241+/-0.038 χ^2/NDF: 2984477.4/28

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

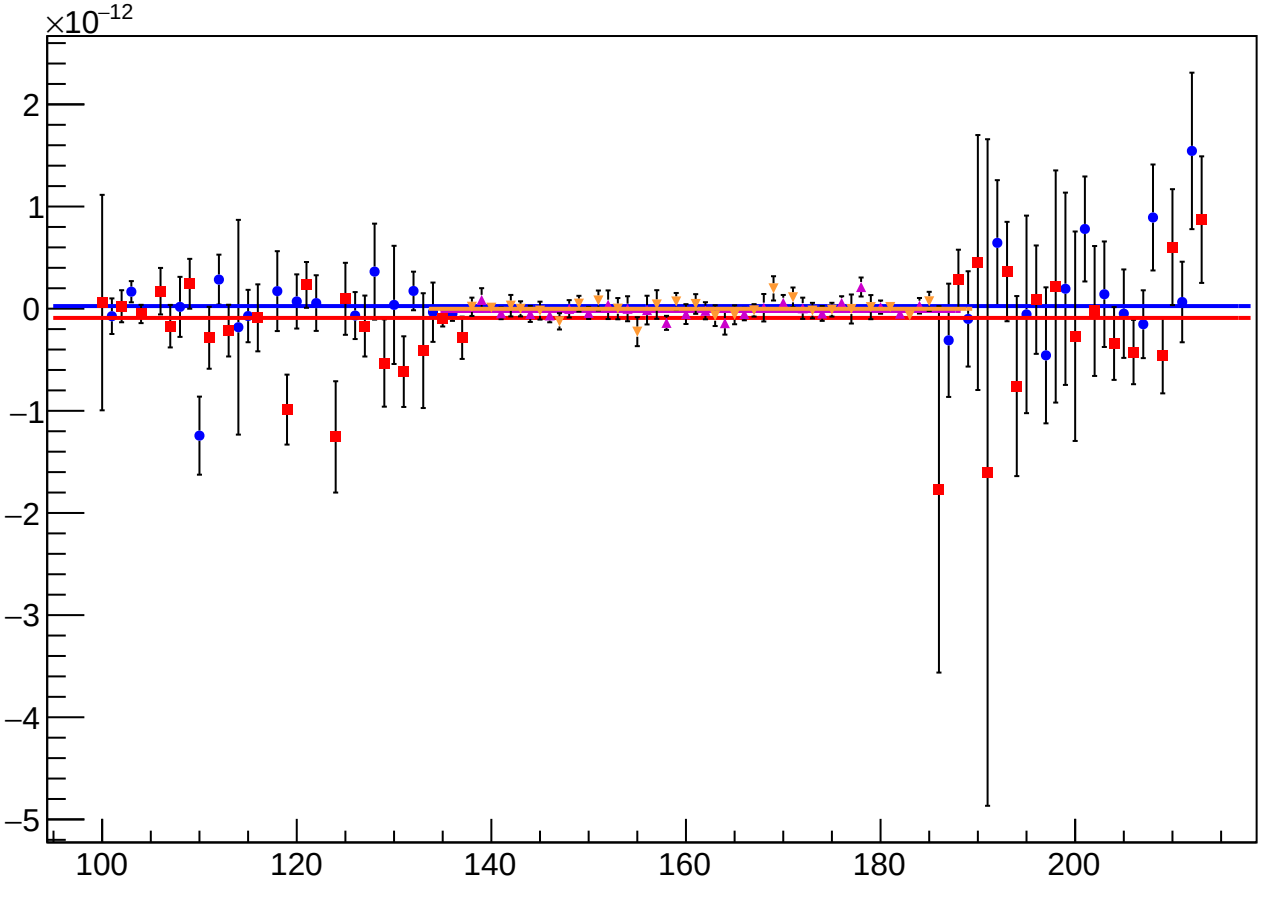
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

Right: 191.489+/-0.025 χ^2/NDF: 8904230.7/62

In: 232.905+/-0.030 χ^2/NDF:6199428.7/51

Out: 213.662+/-0.027 χ^2/NDF:11180912.0/58

All: 222.491+/-0.020 χ^2/NDF: 17605637.9/1



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/28

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/33

Left In: -0.000+/-0.000 χ^2/NDF:16.8/22

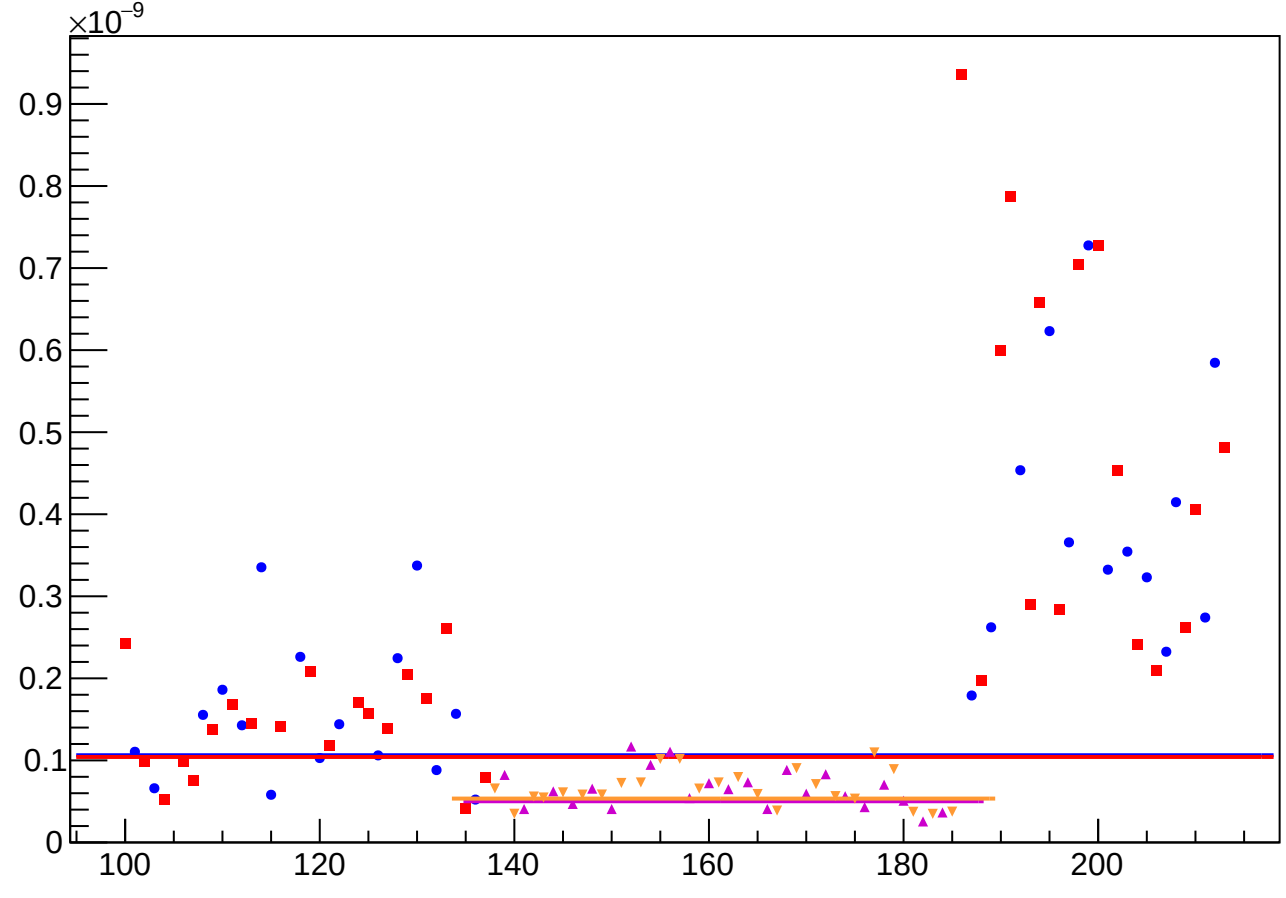
Left: -0.000+/-0.000 χ^2/NDF: 33.1/47

Right: -0.000+/-0.000 χ^2/NDF: 66.4/62

In: -0.000+/-0.000 χ^2/NDF:46.3/51

Out: -0.000+/-0.000 χ^2/NDF:53.5/58

All: -0.000+/-0.000 χ^2/NDF: 99.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 8730973.9/28

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9186508.1/33

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

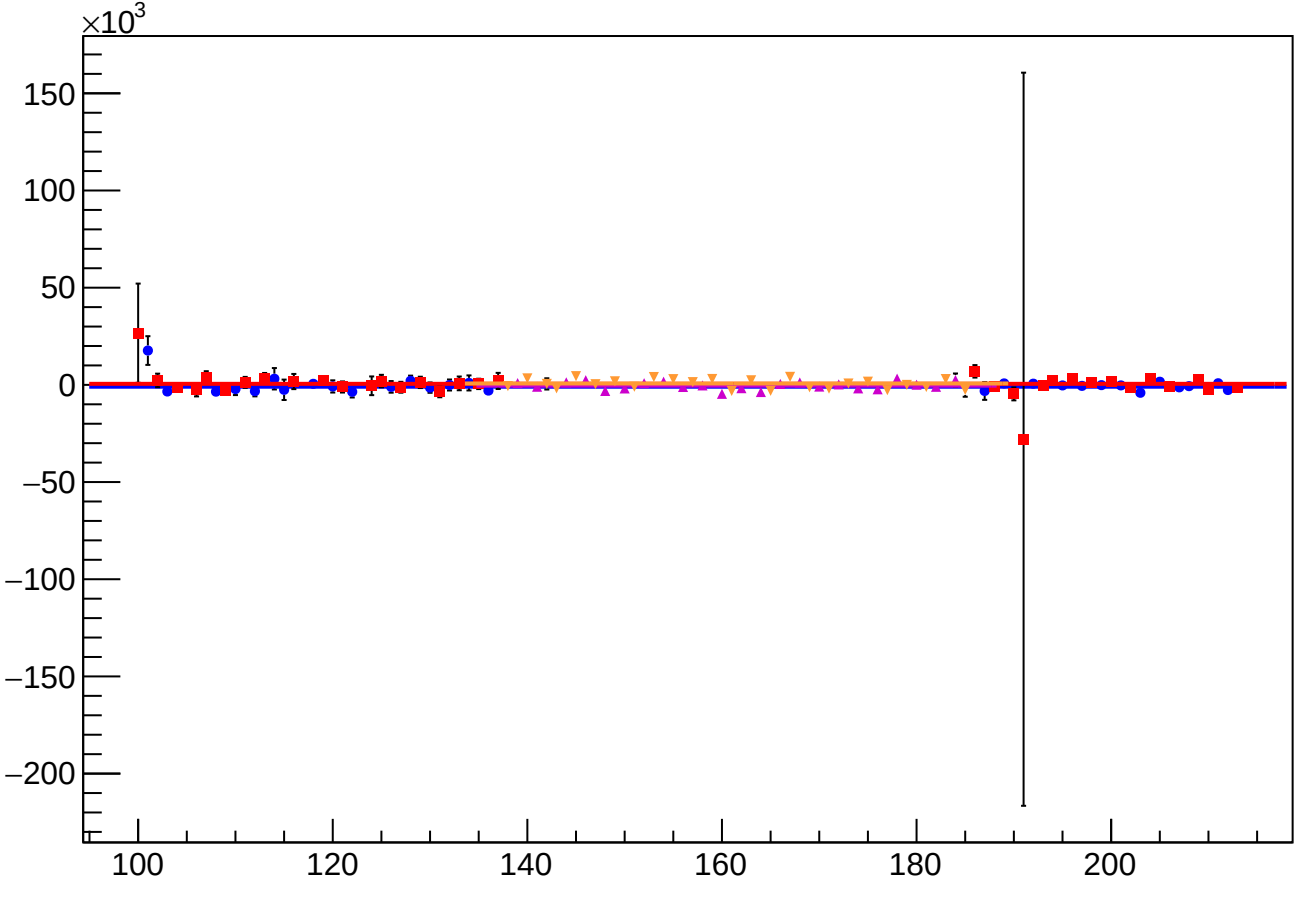
Right: 0.000+/-0.000 χ^2/NDF: 17919810.3/62

In: 0.000+/-0.000 χ^2/NDF:15061245.6/51

Out: 0.000+/-0.000 χ^2/NDF:14490510.7/58

All: 0.000+/-0.000 χ^2/NDF: 29596656.9/110

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -947.685+/-464.868 χ^2/NDF: 20.7/28

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

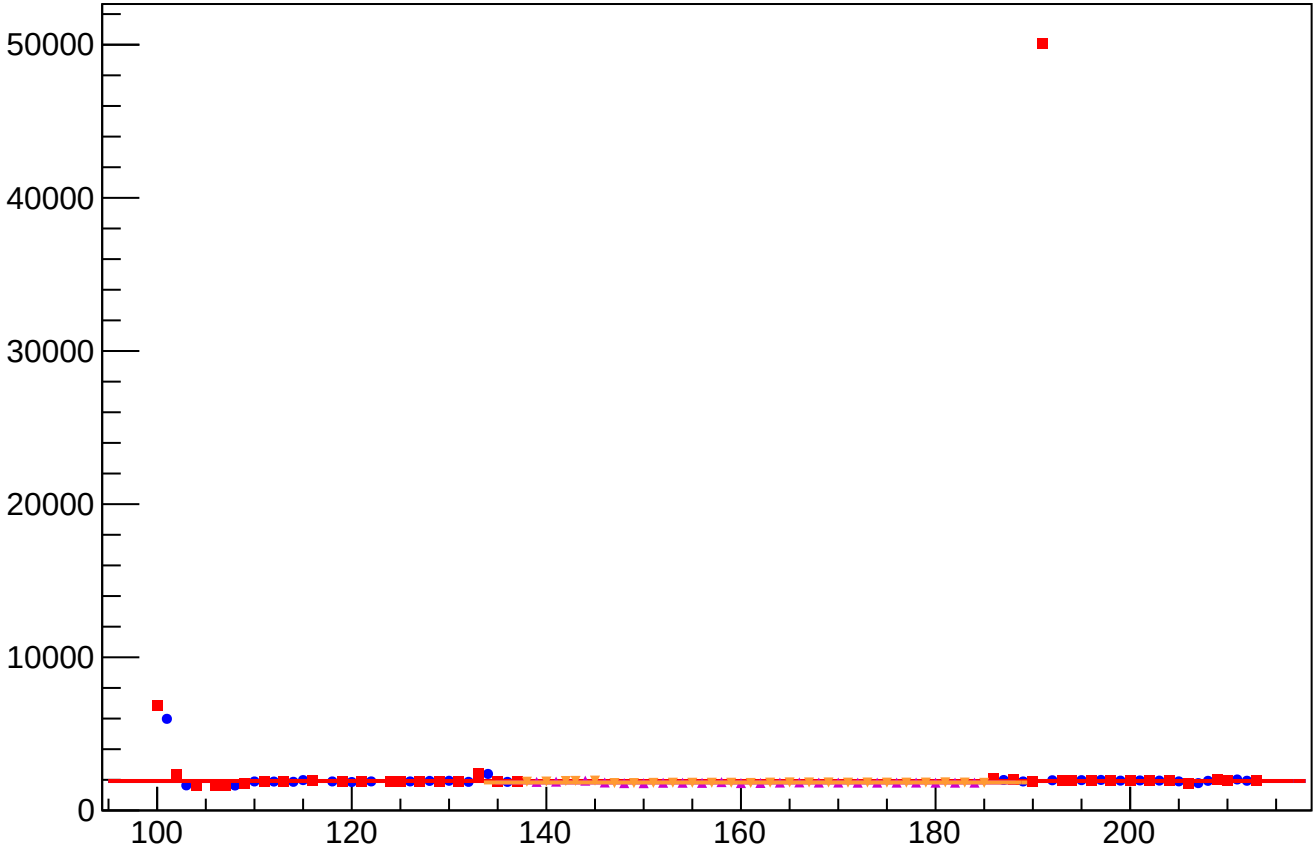
Right: -182.319+/-322.861 χ^2/NDF: 52.6/62

In: -651.838+/-314.157 χ^2/NDF:42.2/51

Out: 625.057+/-304.834 χ^2/NDF:58.6/58

All: 5.837+/-218.772 χ^2/NDF: 109.4/110

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1921.502+/-0.329 χ^2/NDF: 720894.6/28

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

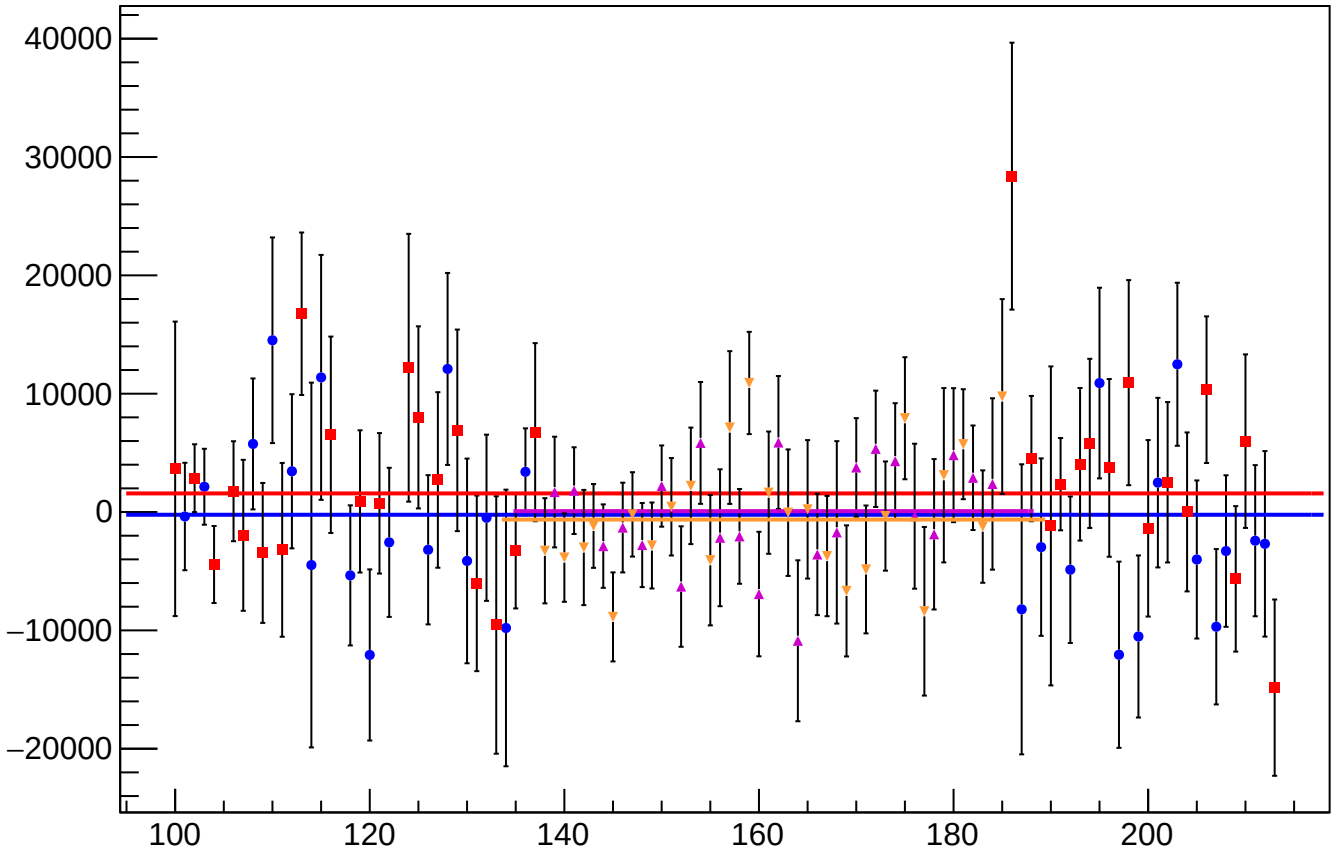
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1922.971+/-0.228 χ^2/NDF: 1113877.1/62

In: 1869.162+/-0.222 χ^2/NDF:780920.2/51

Out: 1872.651+/-0.215 χ^2/NDF:461736.4/58

All: 1870.960+/-0.155 χ^2/NDF: 1242783.8/11



Right In: -230.365+/-1185.313 χ^2/NDF: 28.1/28

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

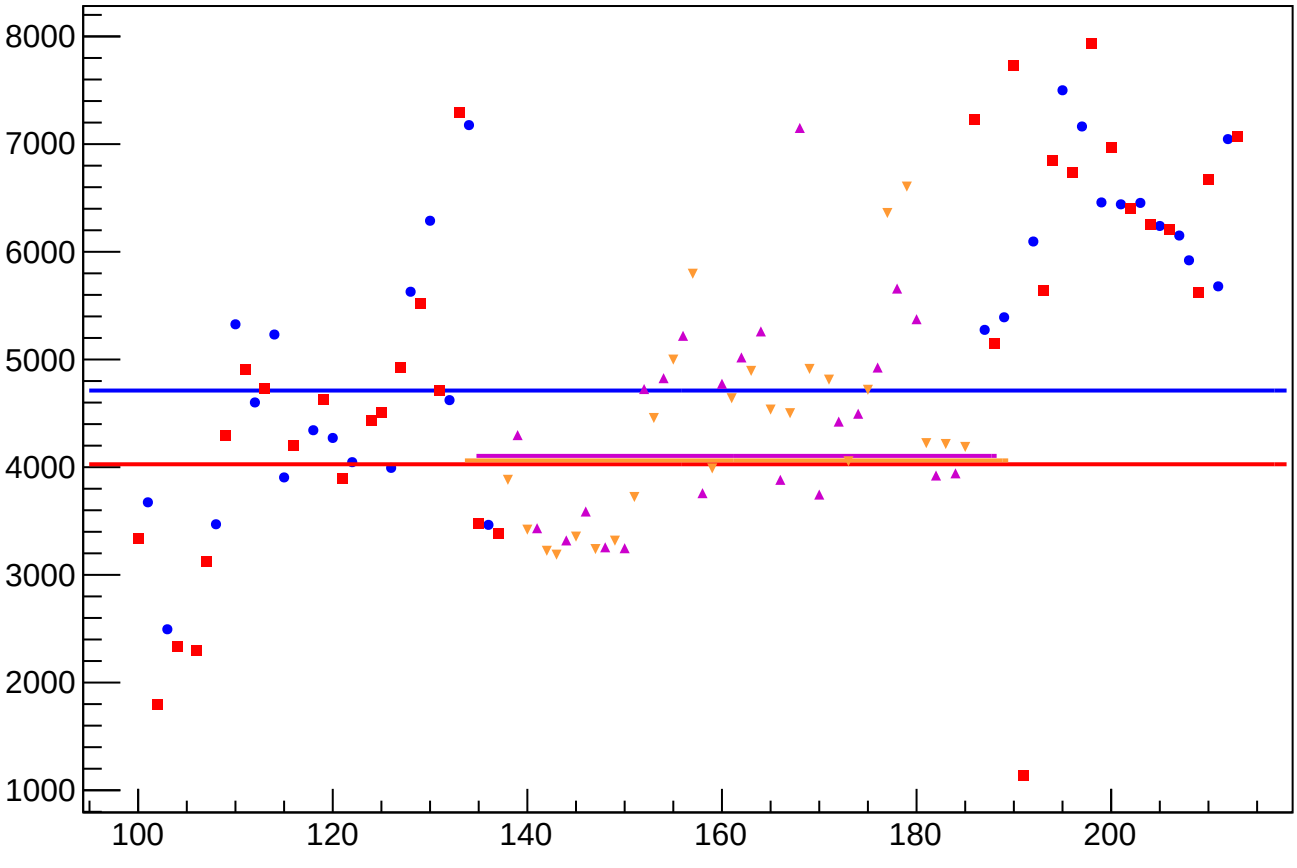
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 789.305+/-781.455 χ^2/NDF: 62.0/62

In: -48.569+/-755.395 χ^2/NDF:43.6/51

Out: 365.087+/-699.941 χ^2/NDF:61.0/58

All: 173.998+/-513.419 χ^2/NDF: 104.8/110



Right In: 4711.744+/-0.838 χ^2/NDF: 3085281.5/28

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

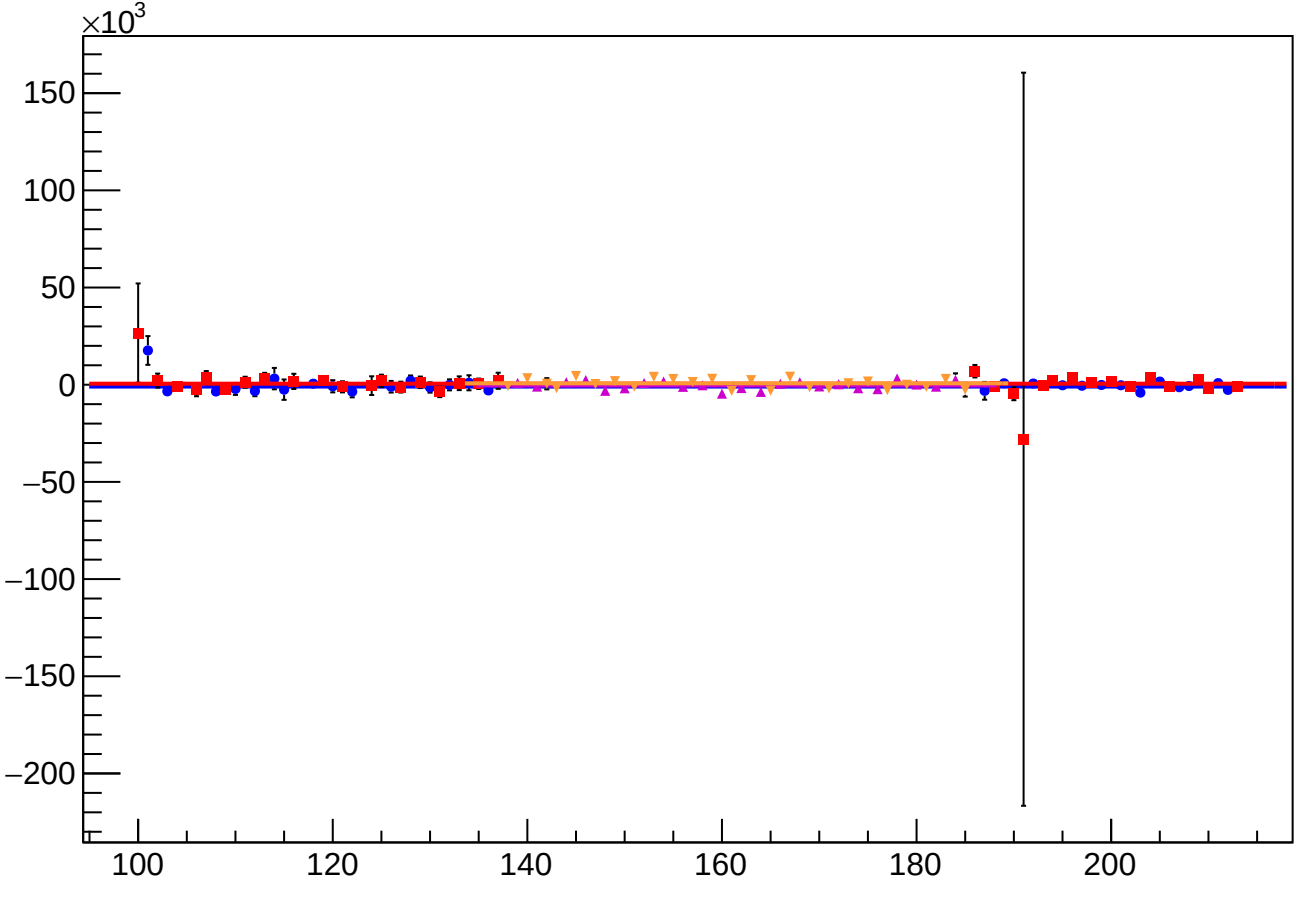
Right: 4324.698+/-0.553 χ^2/NDF: 10365301.5/62

In: 4351.460+/-0.534 χ^2/NDF:4755926.7/51

Out: 4046.790+/-0.495 χ^2/NDF:8309165.4/58

All: 4187.533+/-0.363 χ^2/NDF: 13240143.2/1

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -947.911+/-464.868 χ^2/NDF: 20.7/28

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

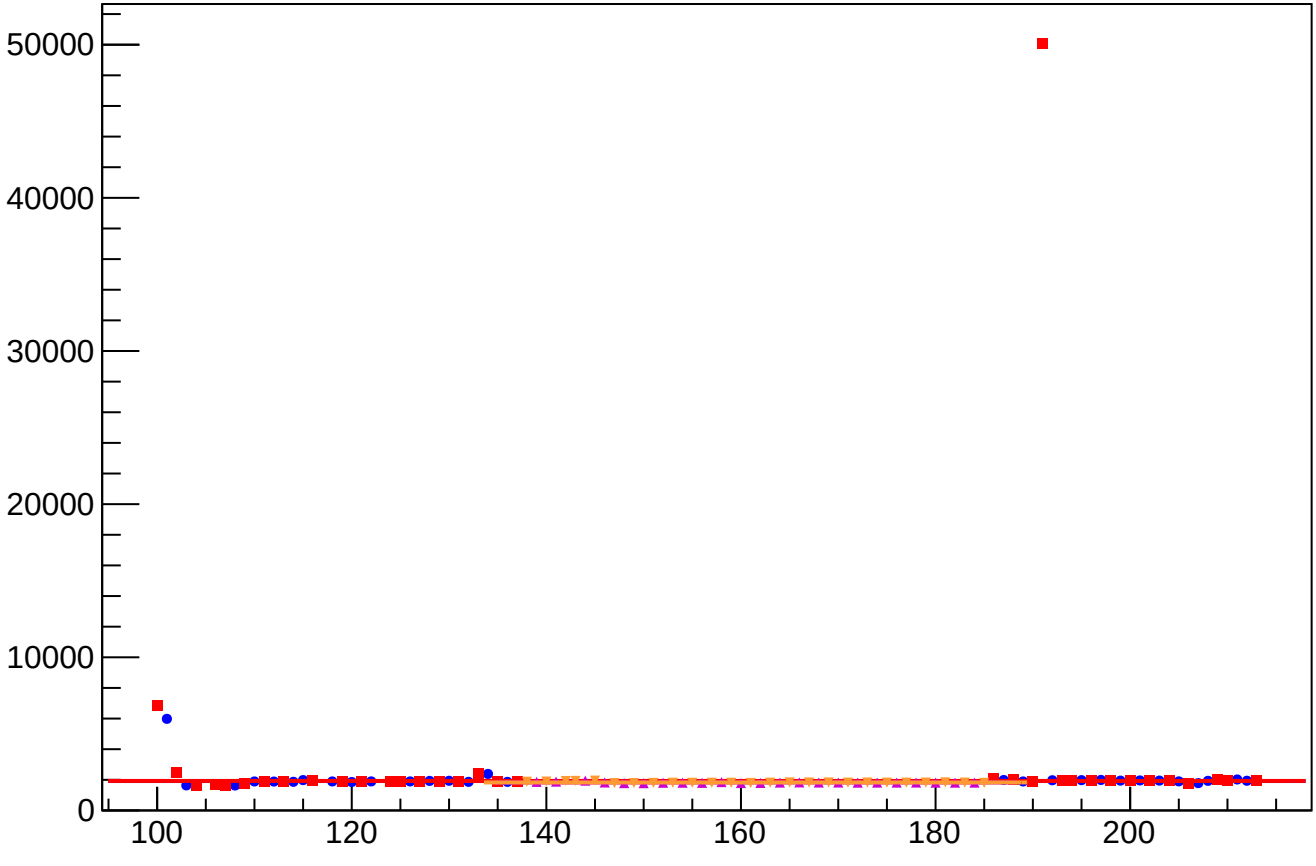
Right: -184.953+/-322.953 χ^2/NDF: 52.5/62

In: -651.852+/-314.157 χ^2/NDF:42.2/51

Out: 623.247+/-304.911 χ^2/NDF:58.6/58

All: 4.736+/-218.801 χ^2/NDF: 109.3/110

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1921.502+/-0.329 χ^2/NDF: 720894.8/28

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

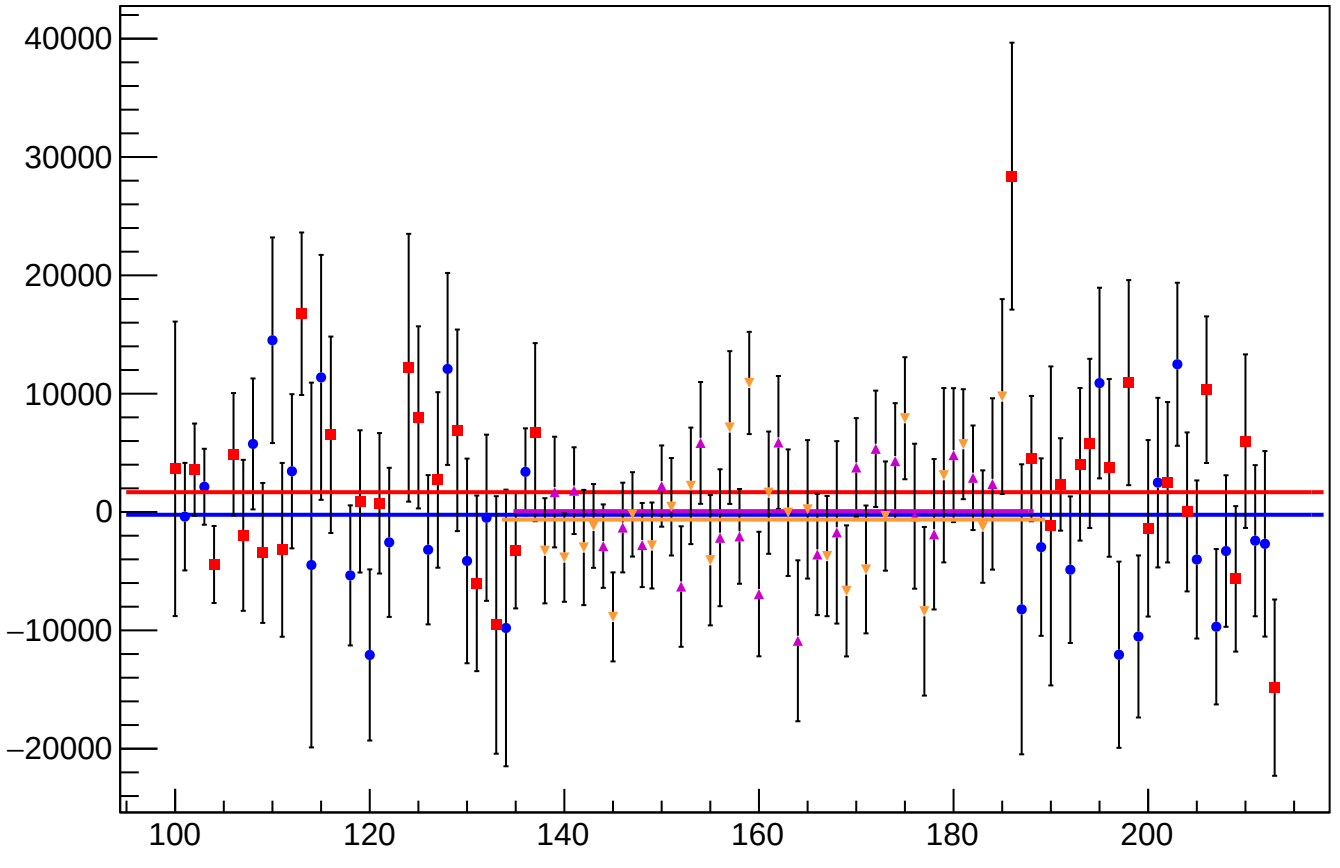
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1924.463+/-0.228 χ^2/NDF: 1120196.9/62

In: 1869.162+/-0.222 χ^2/NDF:780920.3/51

Out: 1873.921+/-0.216 χ^2/NDF:470880.8/58

All: 1871.613+/-0.155 χ^2/NDF: 1252037.5/11



Right In: -231.395+/-1185.402 χ^2/NDF: 28.1/28

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

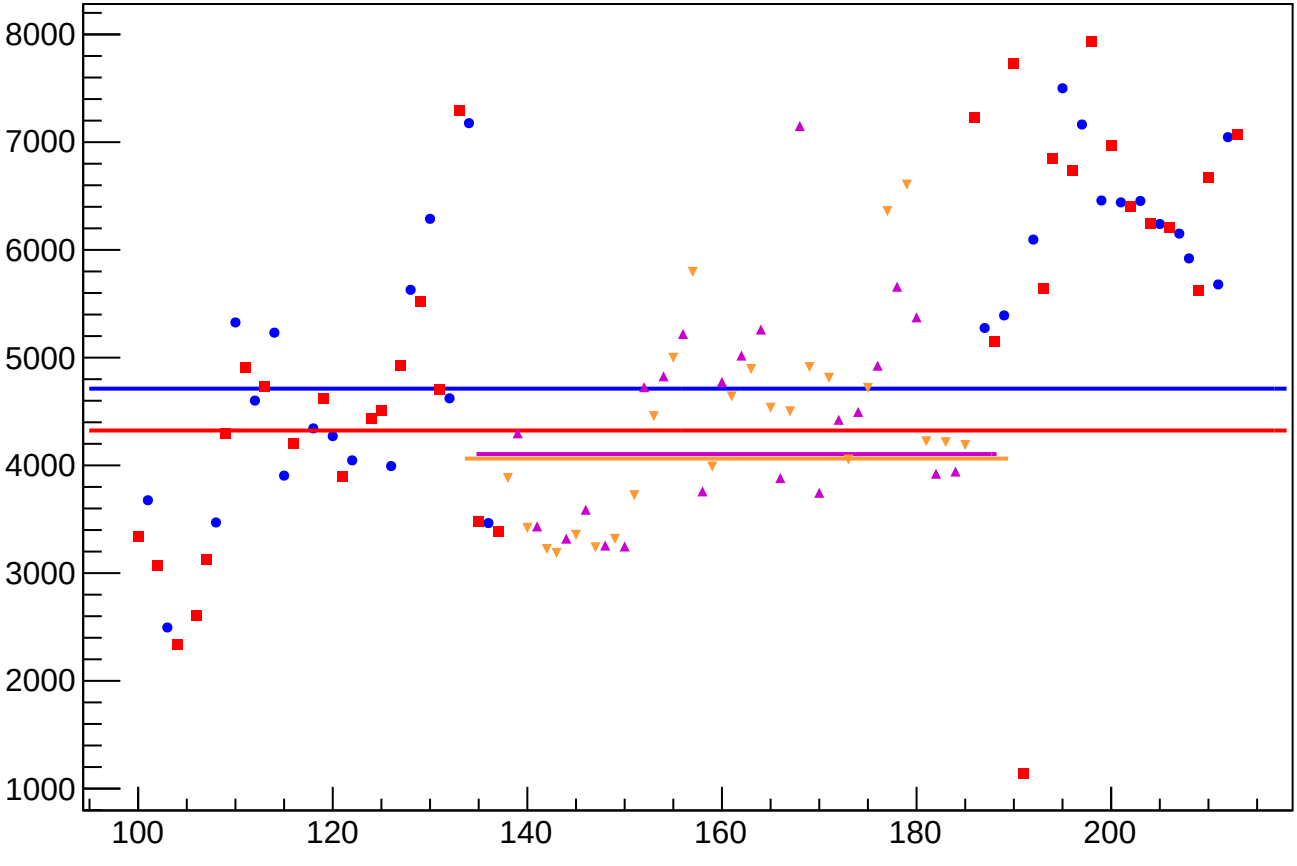
Right: 808.082+/-799.880 χ^2/NDF: 62.5/62

In: -48.961+/-755.417 χ^2/NDF:43.6/51

Out: 364.256+/-713.069 χ^2/NDF:61.6/58

All: 169.554+/-518.541 χ^2/NDF: 105.3/110

asym_atr_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 4712.213+/-0.838 χ^2/NDF: 3083801.7/28

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

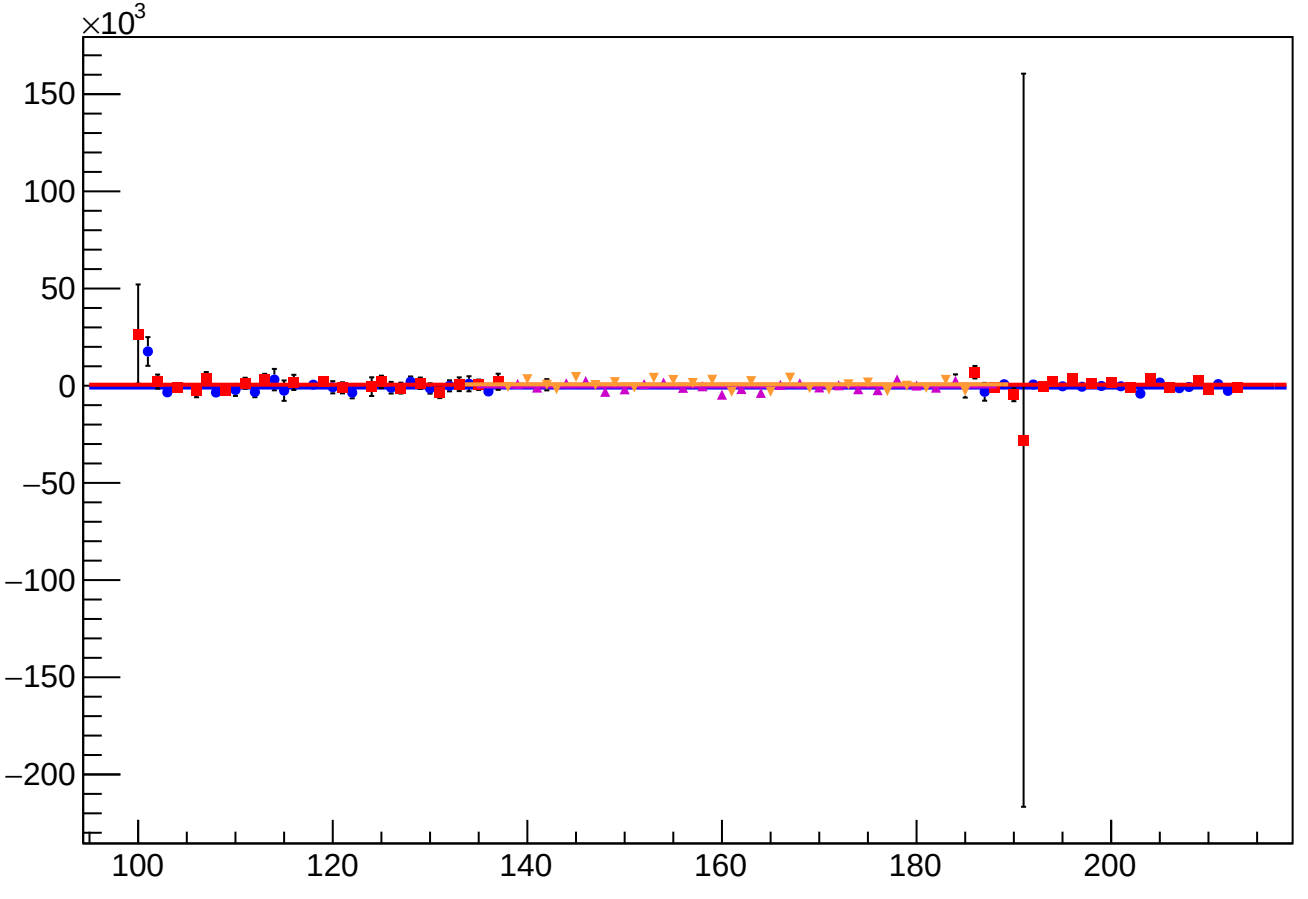
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4500.570+/-0.566 χ^2/NDF: 8676144.0/62

In: 4351.624+/-0.534 χ^2/NDF:4754917.5/51

Out: 4175.886+/-0.504 χ^2/NDF:6945873.5/58

All: 4258.691+/-0.367 χ^2/NDF: 11758029.8/1



Right In: -947.911+/-464.868 χ^2/NDF: 20.7/28

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

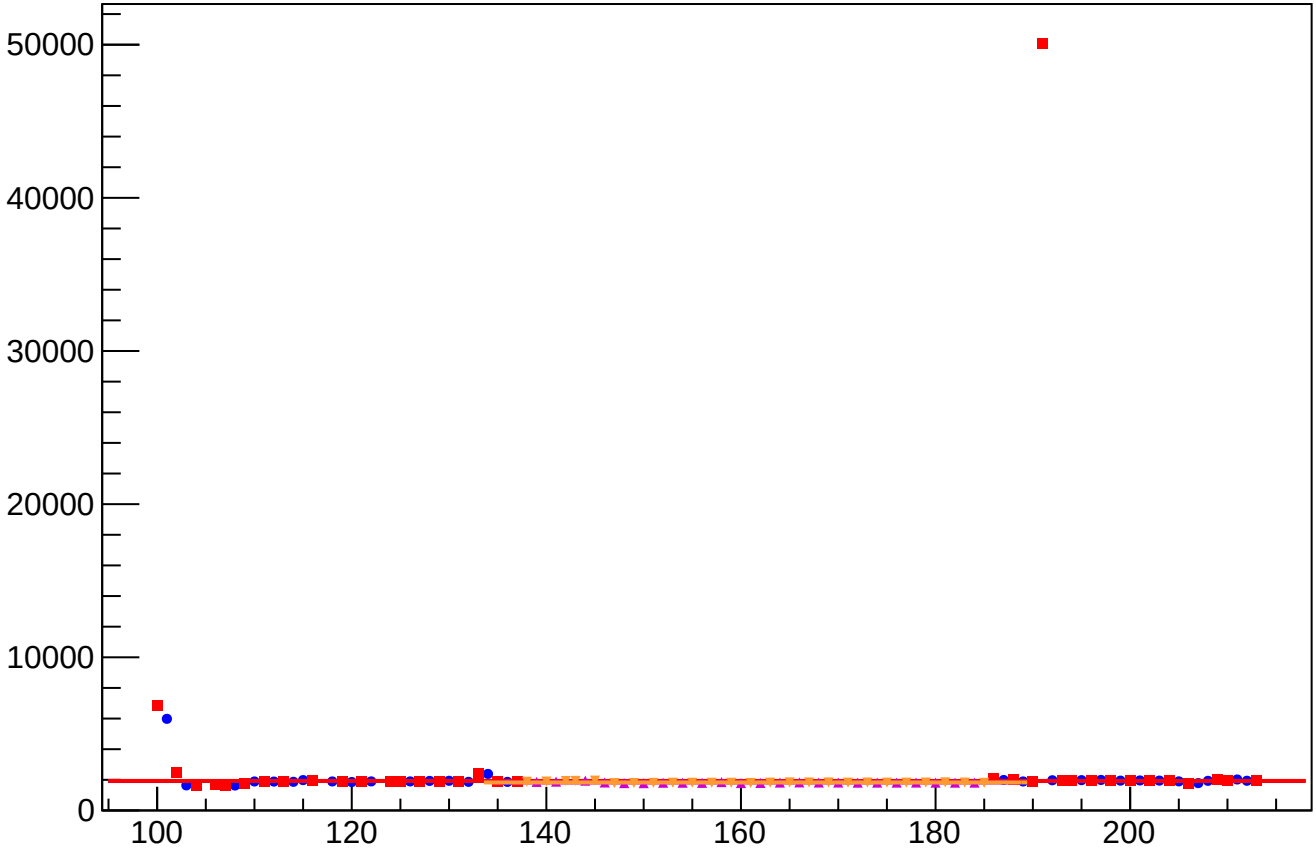
Right: -184.953+/-322.953 χ^2/NDF: 52.5/62

In: -651.852+/-314.157 χ^2/NDF:42.2/51

Out: 623.247+/-304.911 χ^2/NDF:58.6/58

All: 4.736+/-218.801 χ^2/NDF: 109.3/110

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1921.502+/-0.329 χ^2/NDF: 720894.8/28

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

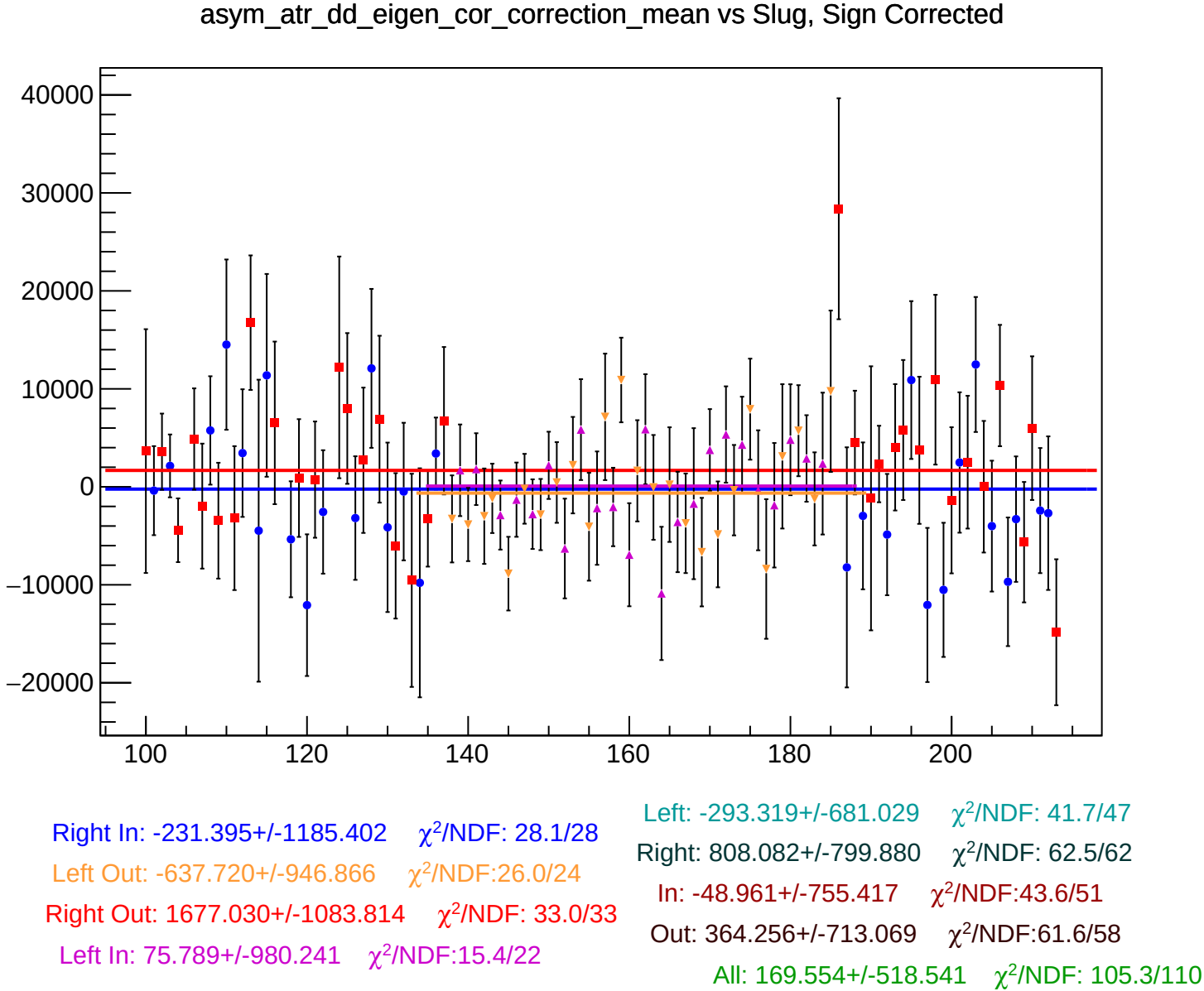
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

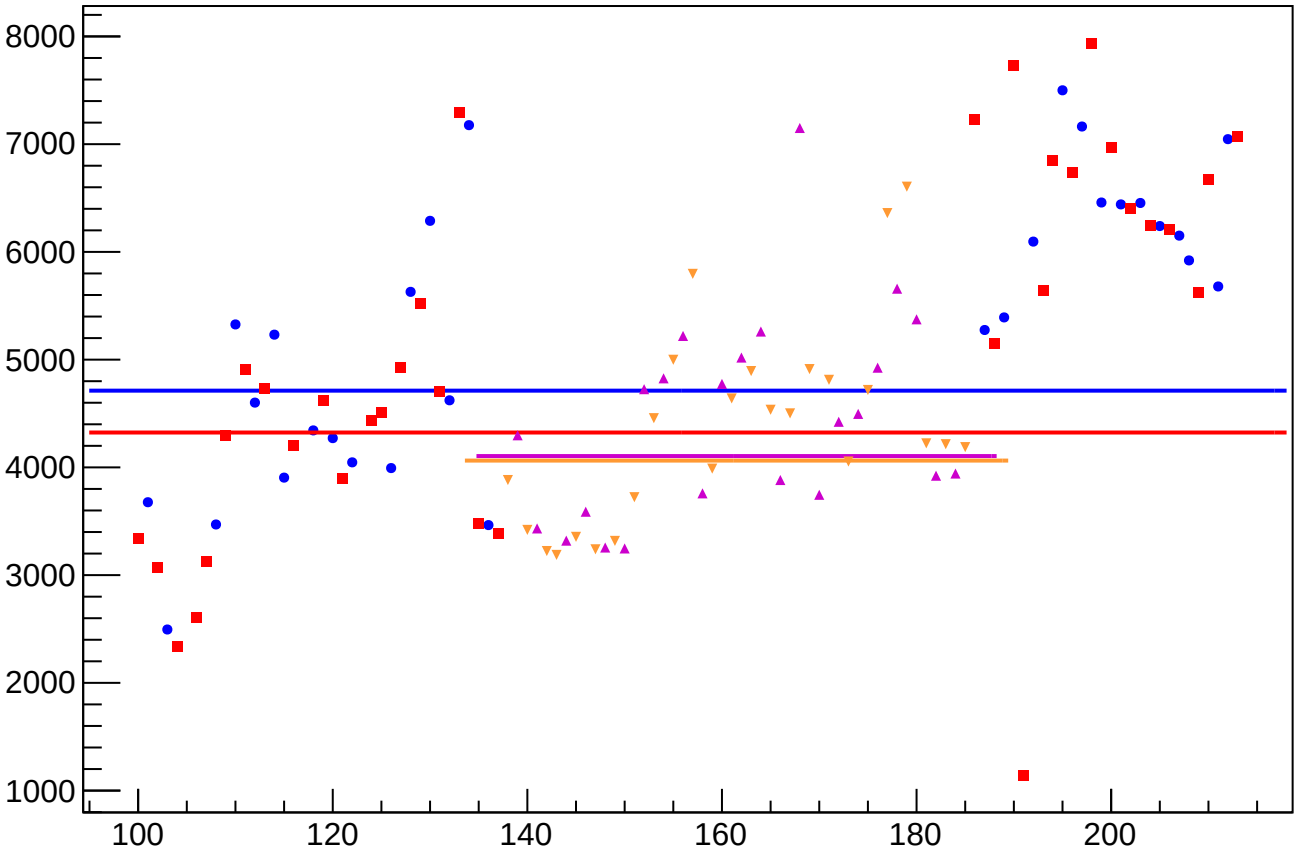
Right: 1924.463+/-0.228 χ^2/NDF: 1120196.9/62

In: 1869.162+/-0.222 χ^2/NDF:780920.3/51

Out: 1873.921+/-0.216 χ^2/NDF:470880.8/58

All: 1871.613+/-0.155 χ^2/NDF: 1252037.5/11


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -231.395+/-1185.402 χ²/NDF: 28.1/28
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: 1677.030+/-1083.814 χ²/NDF: 33.0/33
Left In: 75.789+/-980.241 χ²/NDF:15.4/22
Left: -293.319+/-681.029 χ²/NDF: 41.7/47
Right: 808.082+/-799.880 χ²/NDF: 62.5/62
In: -48.961+/-755.417 χ²/NDF:43.6/51
Out: 364.256+/-713.069 χ²/NDF:61.6/58
All: 169.554+/-518.541 χ²/NDF: 105.3/110



Right In: 4712.213+/-0.838 χ^2/NDF: 3083801.7/28

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

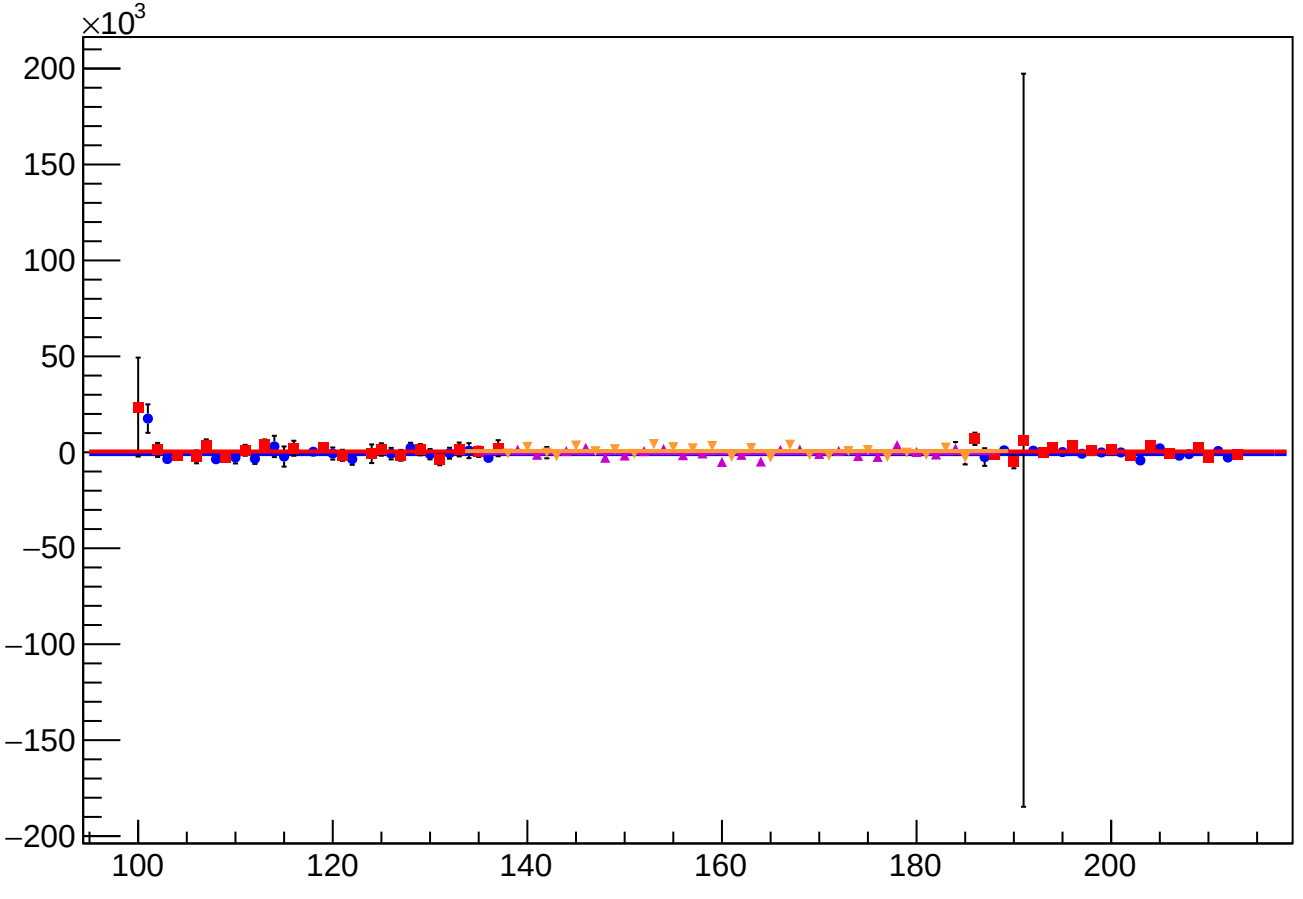
Right: 4500.570+/-0.566 χ^2/NDF: 8676144.0/62

In: 4351.624+/-0.534 χ^2/NDF:4754917.5/51

Out: 4175.886+/-0.504 χ^2/NDF:6945873.5/58

All: 4258.691+/-0.367 χ^2/NDF: 11758029.8/1

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -938.680+/-468.625 χ^2/NDF: 22.1/28

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

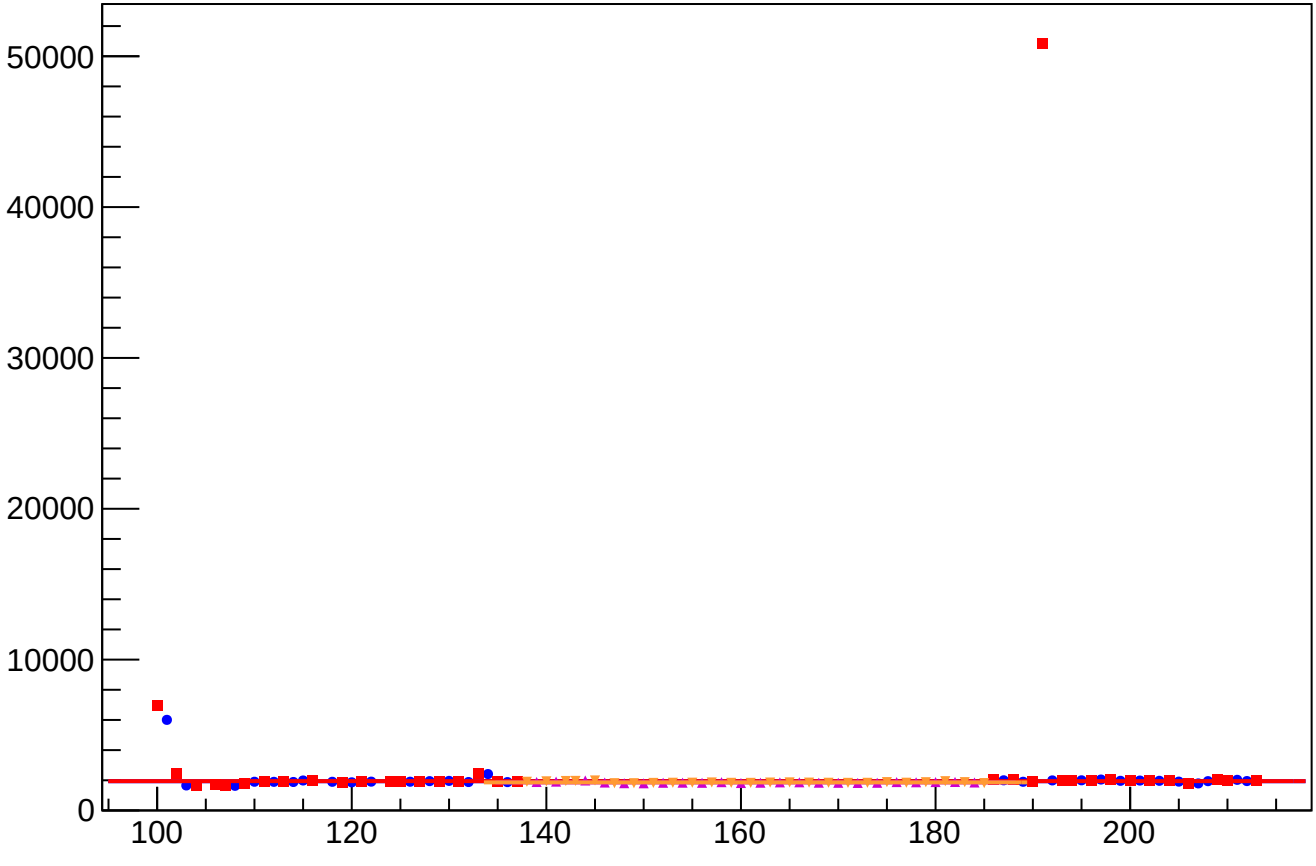
Right: -224.589+/-325.713 χ^2/NDF: 55.3/62

In: -654.470+/-318.366 χ^2/NDF:46.4/51

Out: 557.525+/-309.201 χ^2/NDF:55.9/58

All: -30.778+/-221.807 χ^2/NDF: 109.8/110

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1936.873+/-0.331 χ^2/NDF: 724056.0/28

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

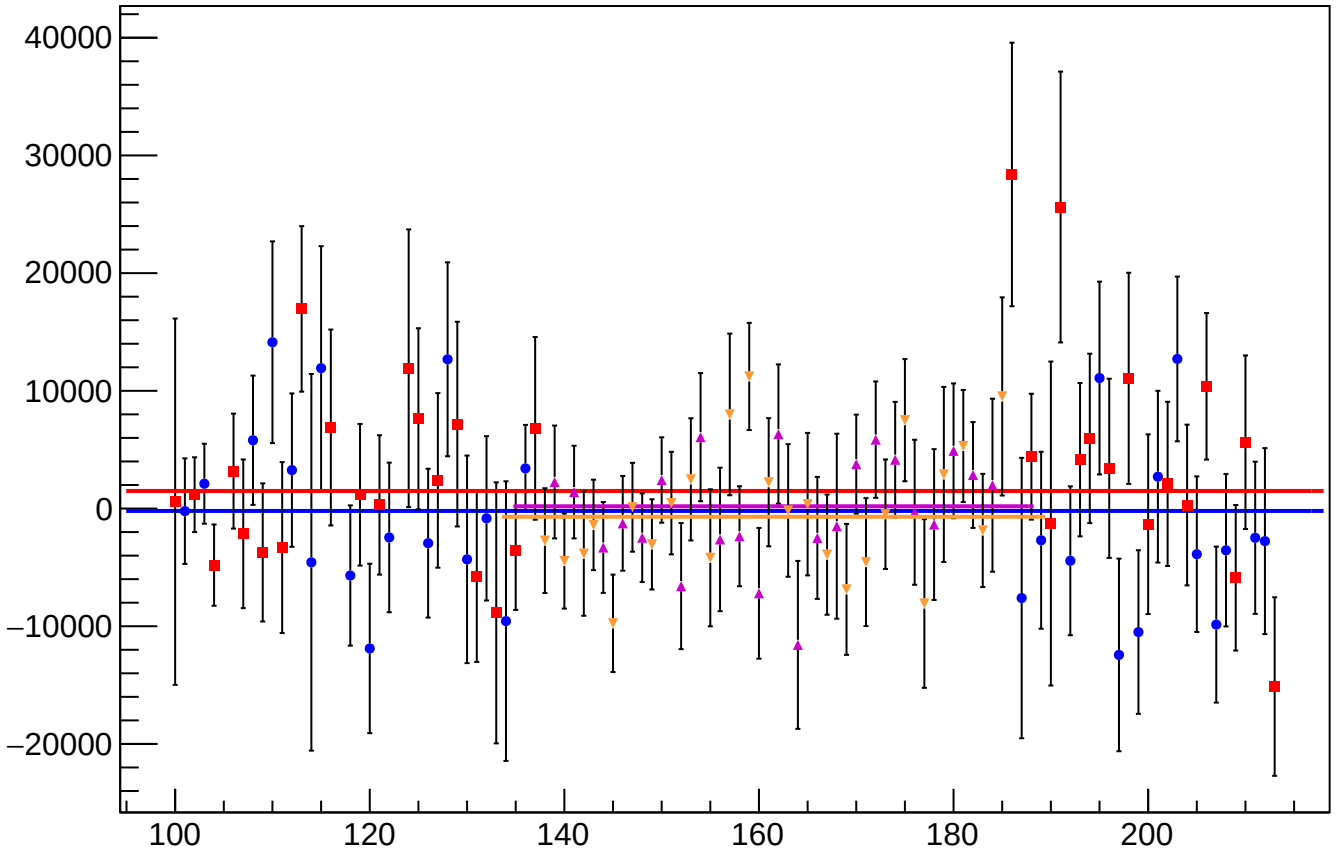
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

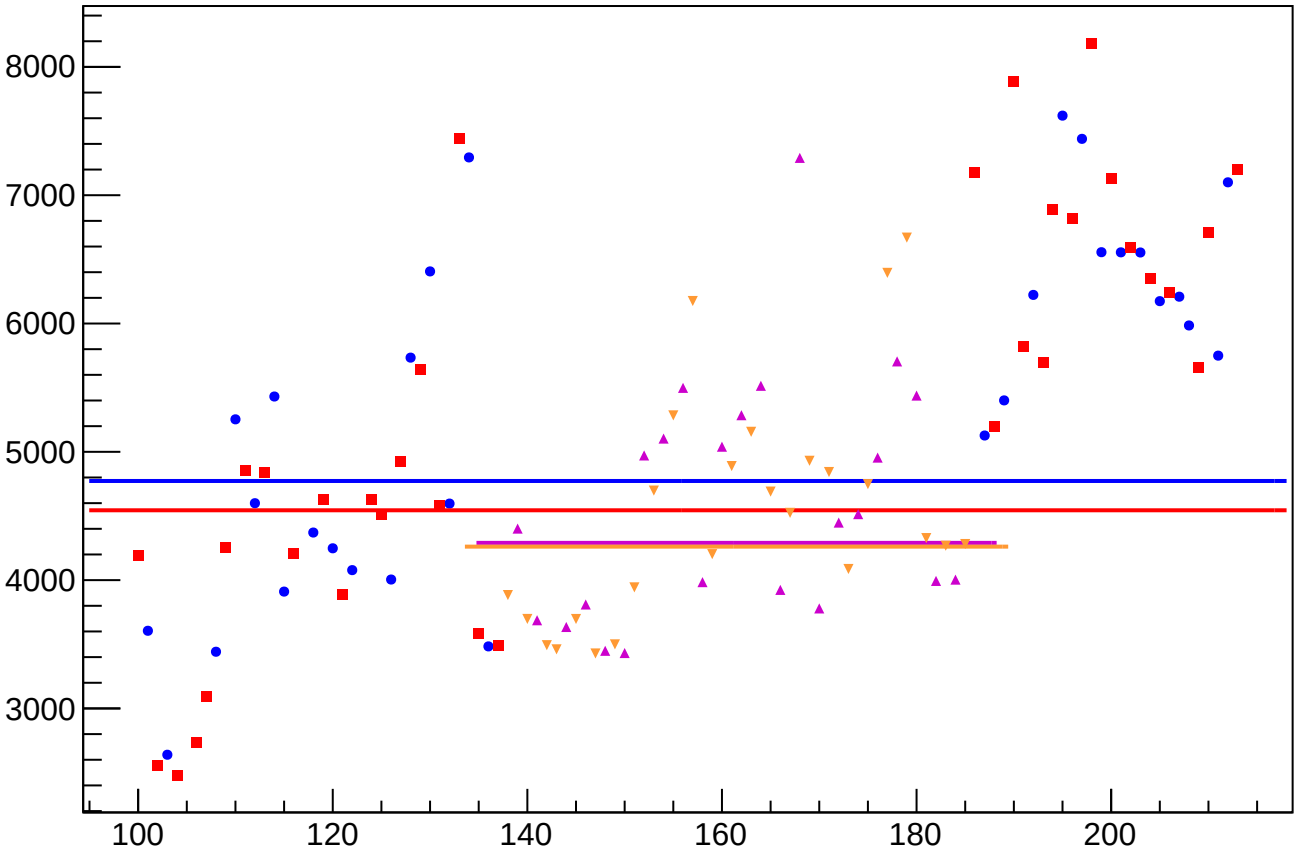
Right: 1940.569+/-0.230 χ^2/NDF: 1131958.3/62

In: 1894.220+/-0.225 χ^2/NDF:771206.9/51

Out: 1900.082+/-0.219 χ^2/NDF:468942.3/58

All: 1897.237+/-0.157 χ^2/NDF: 1240498.3/11


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -204.128+/-1199.702 χ²/NDF: 28.0/28
Left Out: -698.287+/-990.035 χ²/NDF:25.3/24
Right Out: 1492.812+/-1112.876 χ²/NDF: 36.6/33
Left In: 192.486+/-1022.469 χ²/NDF:15.2/22
Left: -267.253+/-711.250 χ²/NDF: 40.9/47
Right: 707.964+/-815.892 χ²/NDF: 65.7/62
In: 25.611+/-778.187 χ²/NDF:43.2/51
Out: 269.705+/-739.693 χ²/NDF:64.1/58
All: 153.844+/-536.134 χ²/NDF: 107.4/110



Right In: 4772.811+/-0.848 χ^2/NDF: 3000956.3/28

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

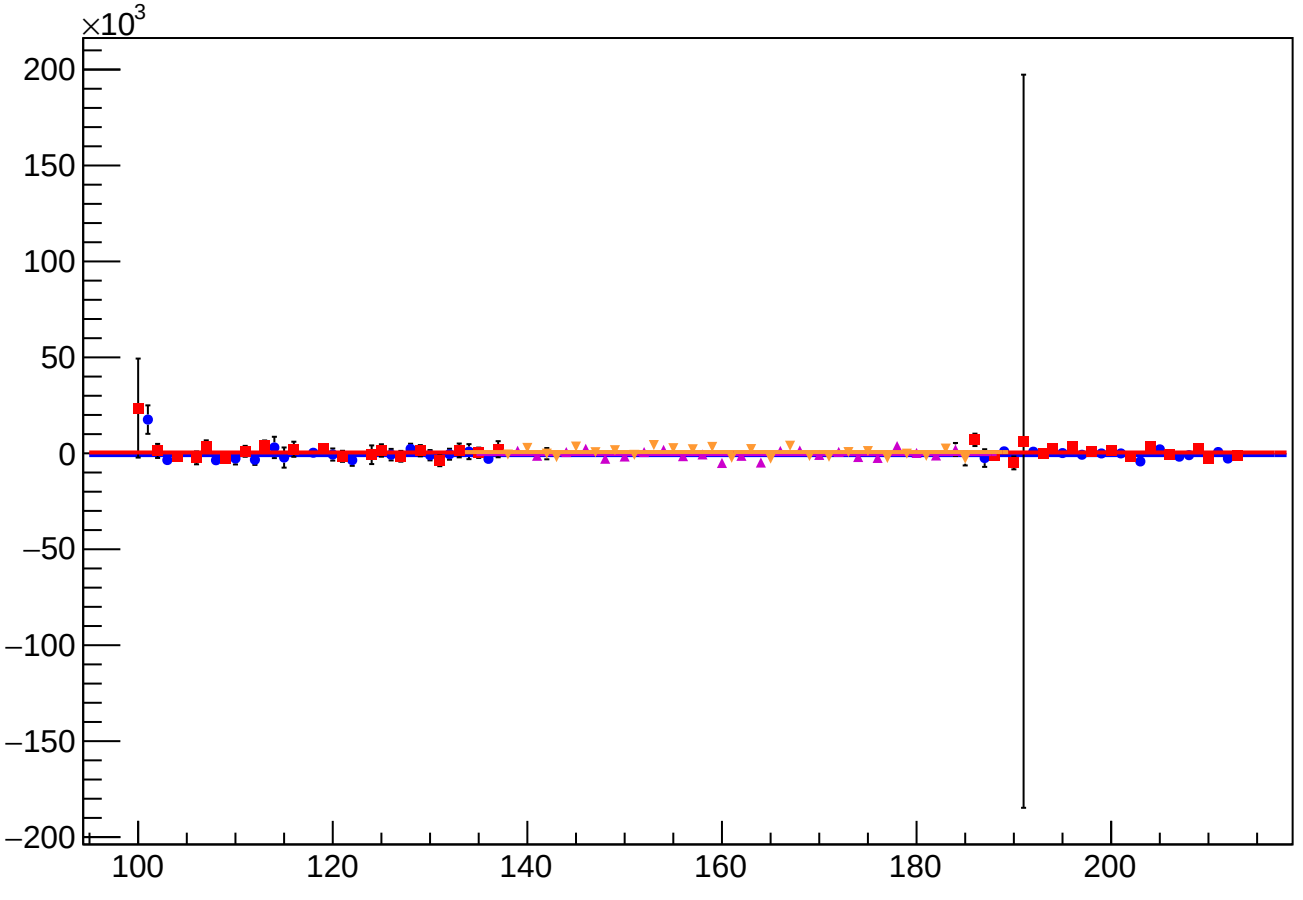
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4650.030+/-0.577 χ^2/NDF: 7486867.4/62

In: 4493.372+/-0.550 χ^2/NDF:4402243.1/51

Out: 4386.261+/-0.523 χ^2/NDF:5709823.6/58

All: 4437.102+/-0.379 χ^2/NDF: 10131972.4/1



Right In: -938.679+/-468.625 χ^2/NDF: 22.1/28

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

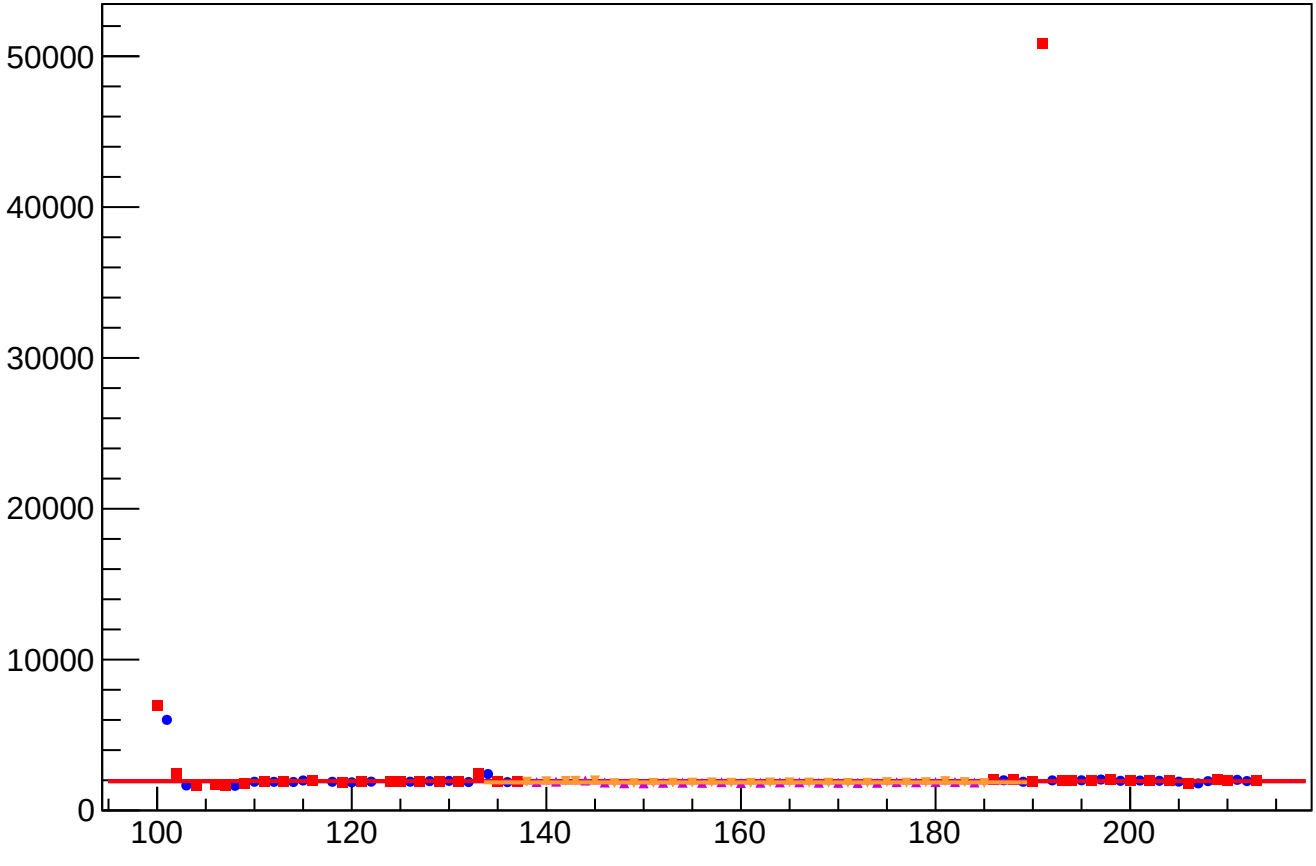
Right: -224.591+/-325.713 χ^2/NDF: 55.3/62

In: -654.470+/-318.366 χ^2/NDF:46.4/51

Out: 557.526+/-309.201 χ^2/NDF:55.9/58

All: -30.777+/-221.807 χ^2/NDF: 109.8/110

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1936.873+/-0.331 χ^2/NDF: 724055.9/28

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

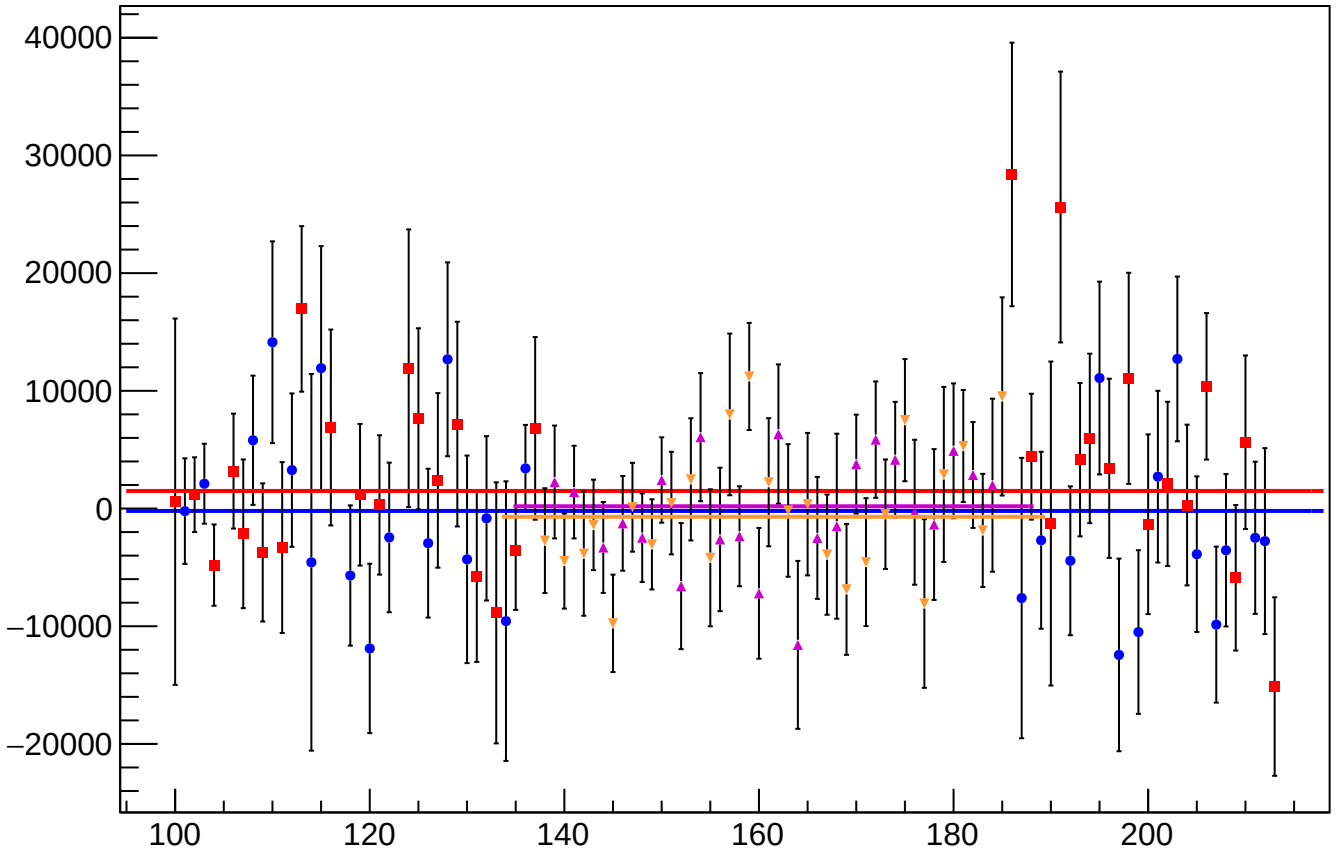
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

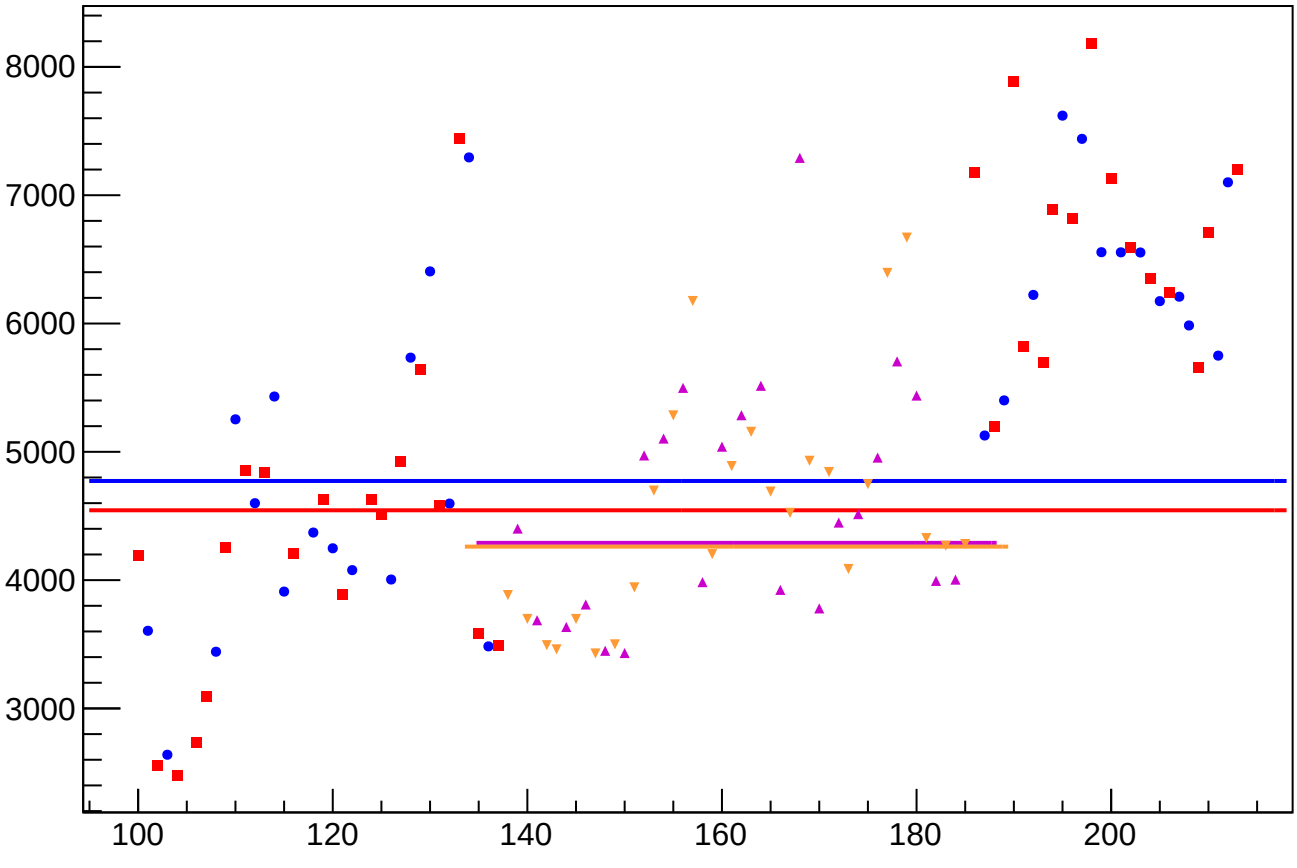
Right: 1940.570+/-0.230 χ^2/NDF: 1131958.4/62

In: 1894.220+/-0.225 χ^2/NDF:771206.2/51

Out: 1900.083+/-0.219 χ^2/NDF:468942.1/58

All: 1897.238+/-0.157 χ^2/NDF: 1240497.4/11


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -204.134+/-1199.702 χ²/NDF: 28.0/28
Left Out: -698.285+/-990.036 χ²/NDF:25.3/24
Right Out: 1492.809+/-1112.876 χ²/NDF: 36.6/33
Left In: 192.488+/-1022.471 χ²/NDF:15.2/22
Left: -267.251+/-711.252 χ²/NDF: 40.9/47
Right: 707.960+/-815.892 χ²/NDF: 65.7/62
In: 25.610+/-778.188 χ²/NDF:43.2/51
Out: 269.707+/-739.694 χ²/NDF:64.1/58
All: 153.845+/-536.135 χ²/NDF: 107.4/110



Right In: 4772.810+/-0.848 χ^2/NDF: 3000965.2/28

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

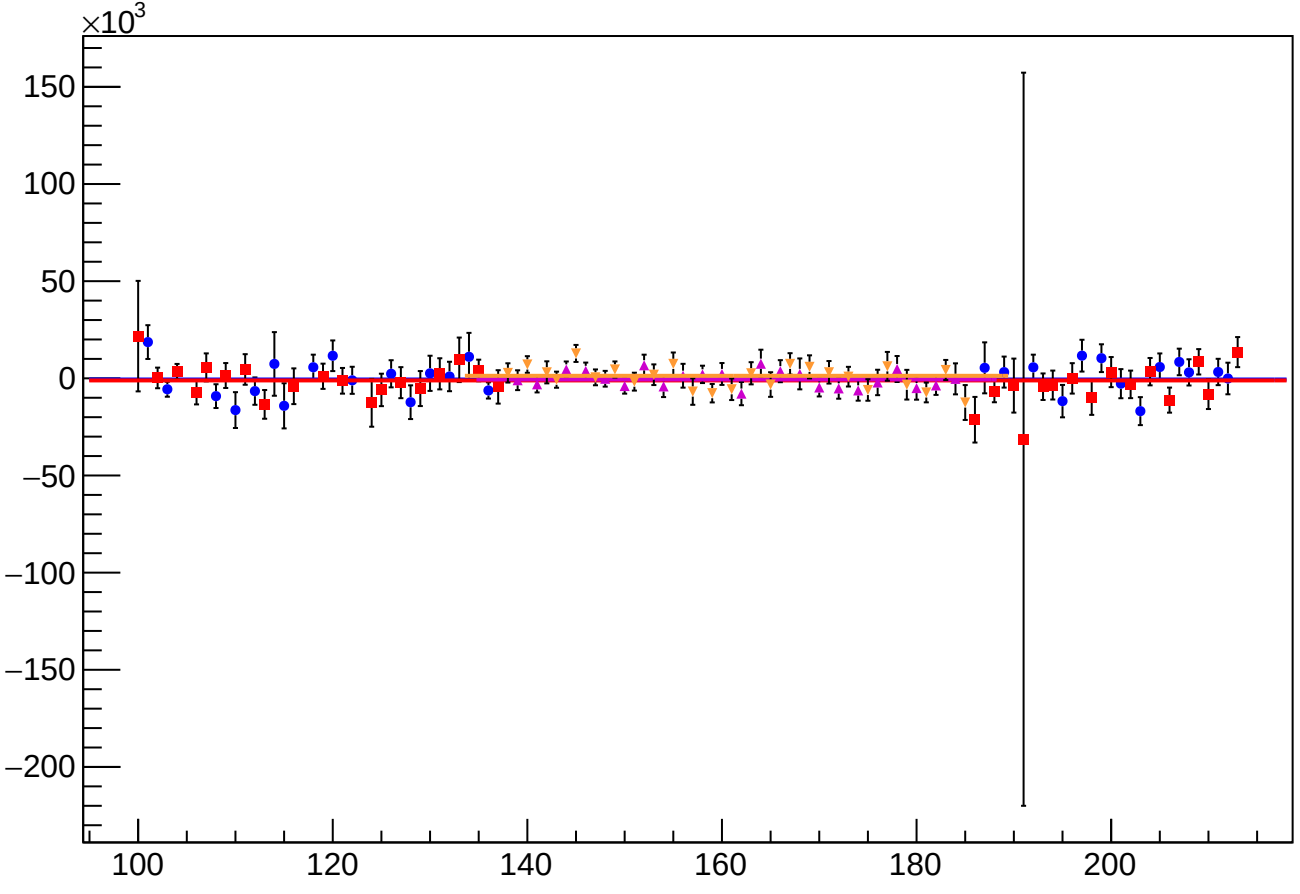
Right: 4650.028+/-0.577 χ^2/NDF: 7486884.7/62

In: 4493.376+/-0.550 χ^2/NDF:4402251.9/51

Out: 4386.264+/-0.523 χ^2/NDF:5709829.7/58

All: 4437.105+/-0.379 χ^2/NDF: 10131987.4/1

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -600.355+/-1324.584 χ^2/NDF: 38.2/28

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

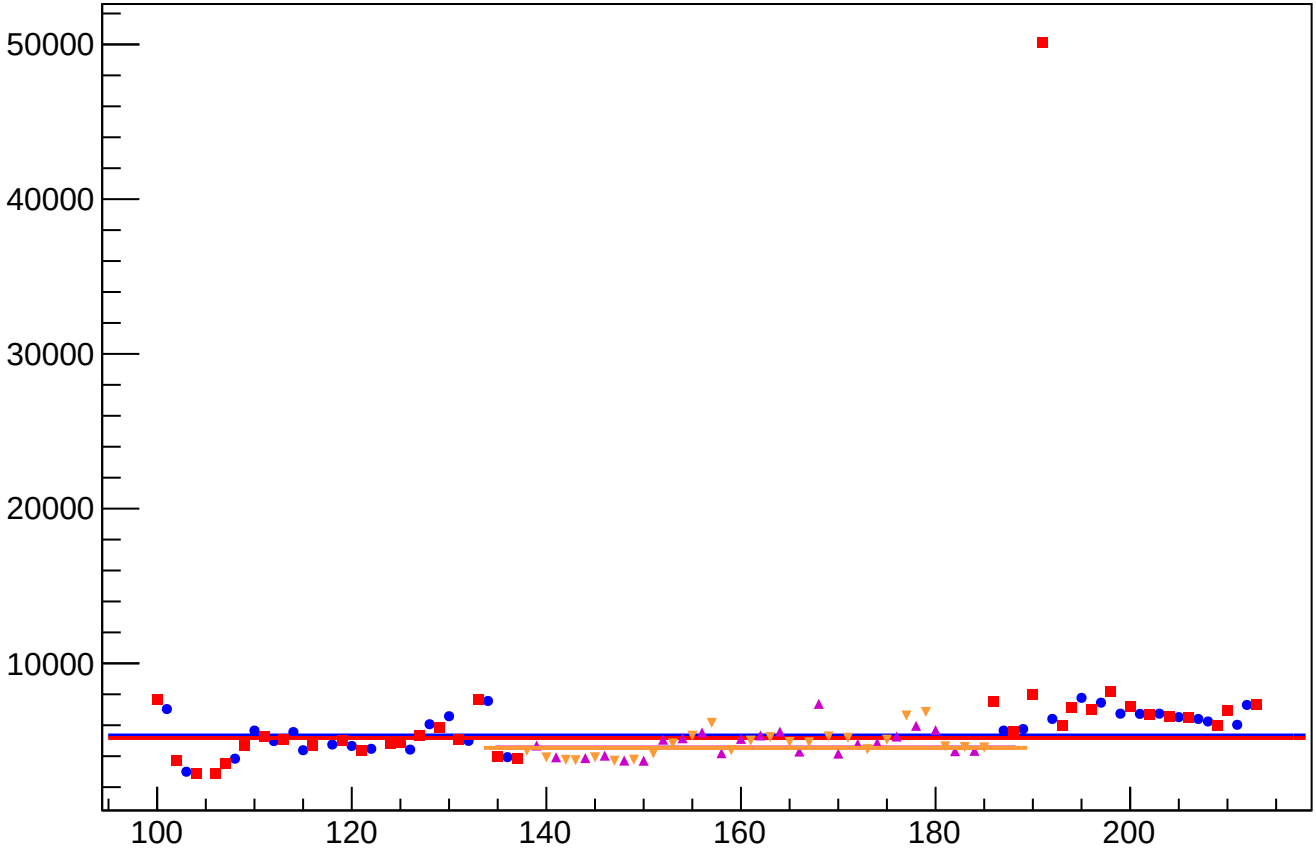
Right: -851.468+/-913.250 χ^2/NDF: 64.3/62

In: -586.014+/-838.023 χ^2/NDF:52.6/51

Out: 325.292+/-806.649 χ^2/NDF:56.6/58

All: -112.983+/-581.162 χ^2/NDF: 109.8/110

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5336.331+/-0.937 χ^2/NDF: 2269317.1/28

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 5177.332+/-0.887 χ^2/NDF: 3061985.0/33

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

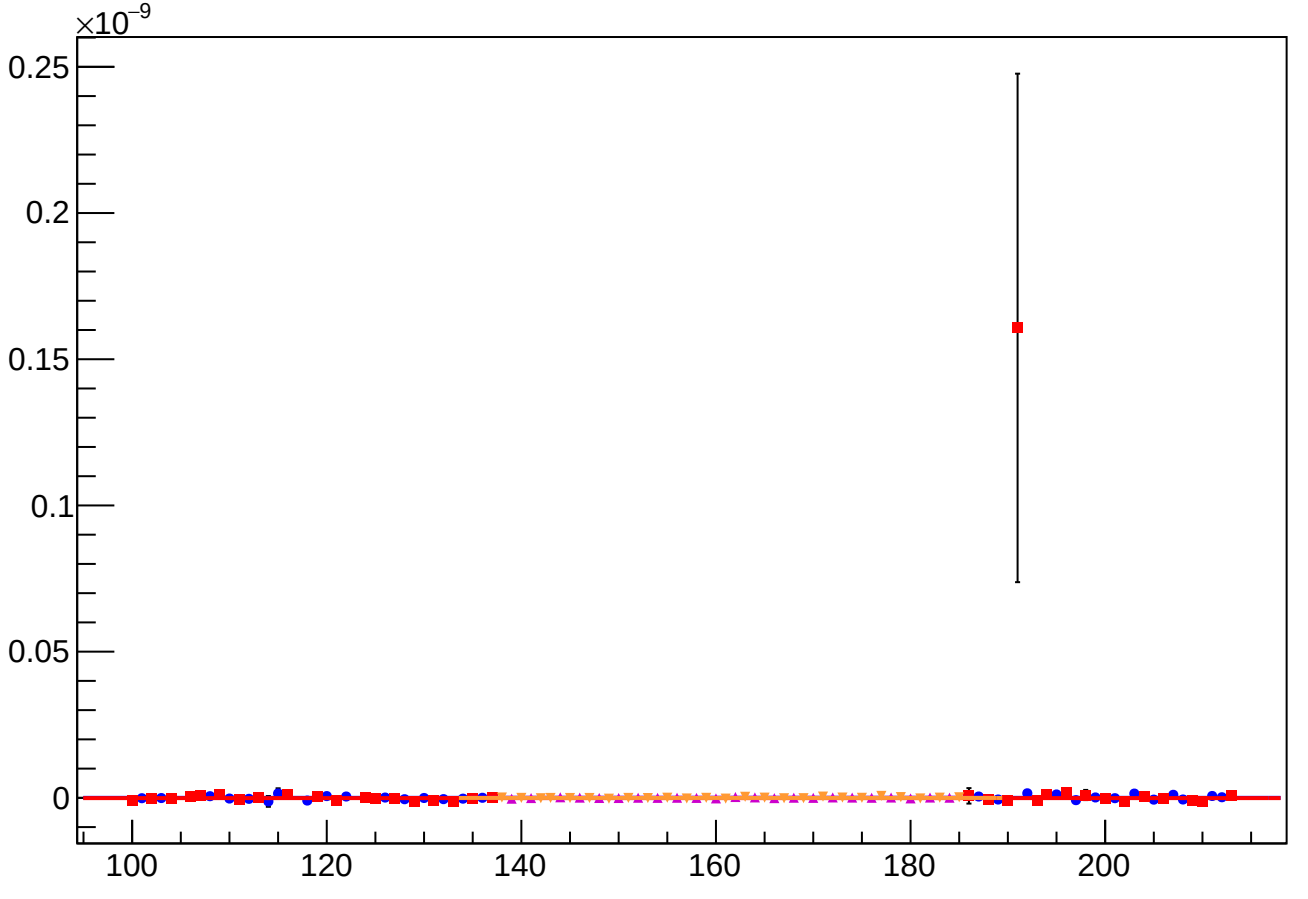
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5252.520+/-0.644 χ^2/NDF: 5346492.4/62

In: 4871.046+/-0.593 χ^2/NDF:3661003.2/51

Out: 4801.183+/-0.569 χ^2/NDF:4360492.6/58

All: 4834.711+/-0.411 χ^2/NDF: 8028725.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/28

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

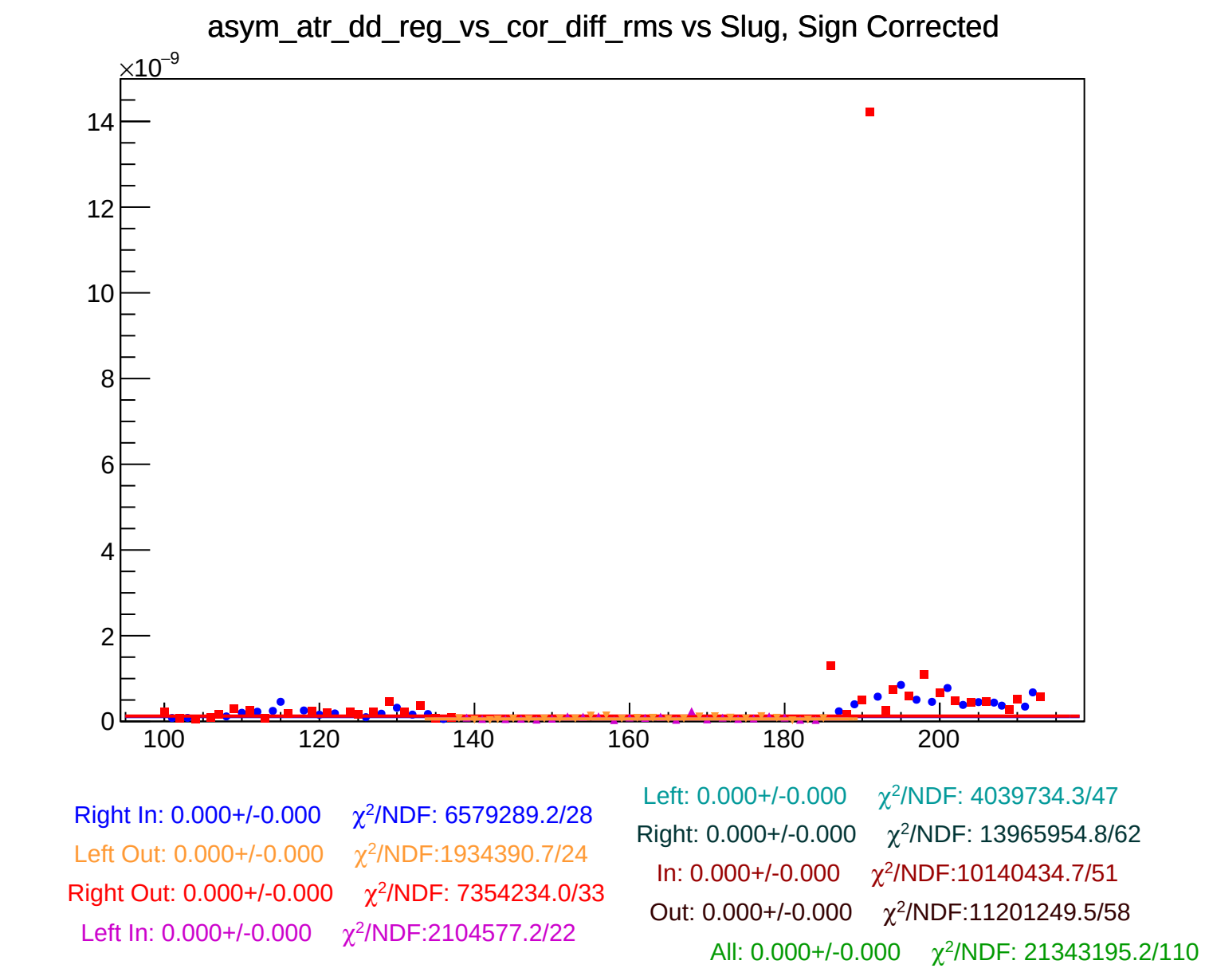
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

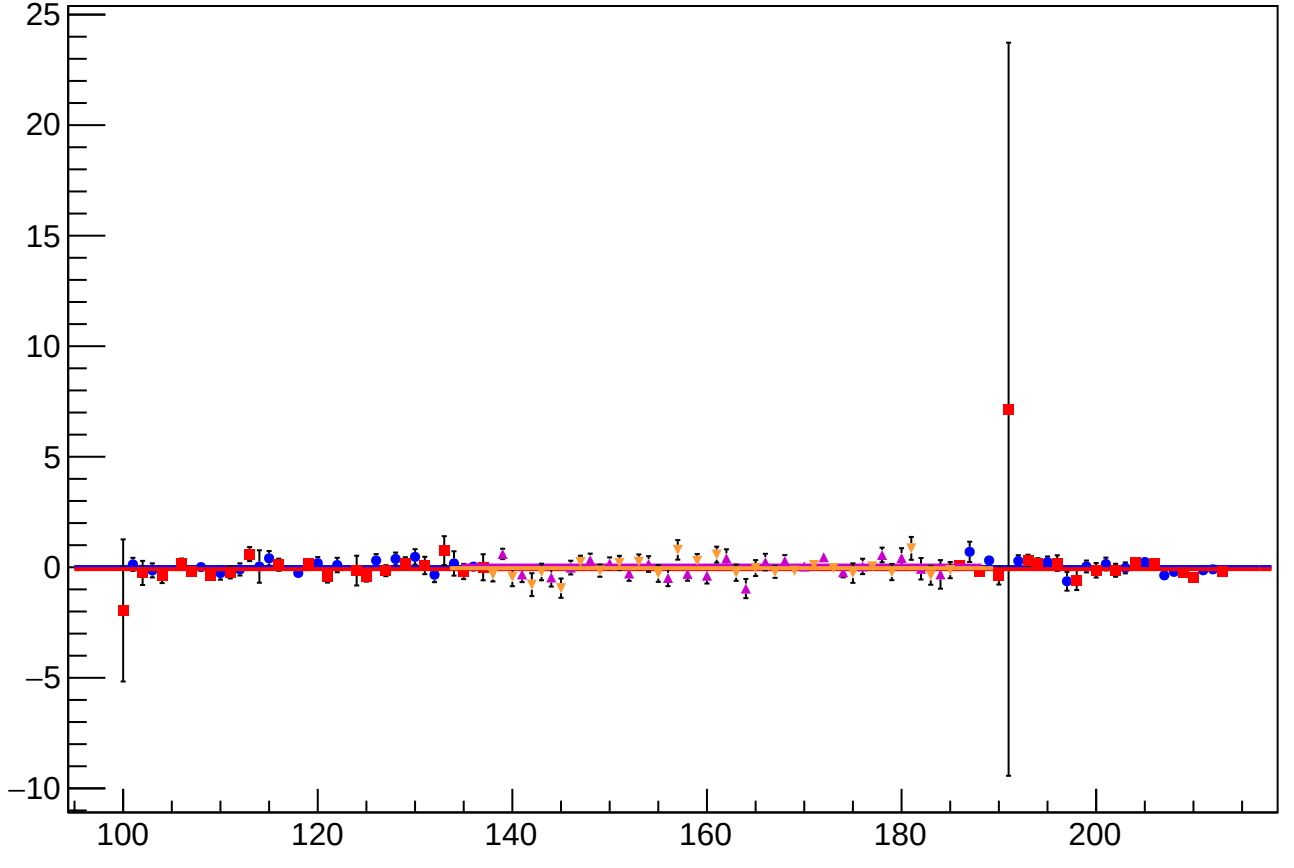
Right: -0.000+/-0.000 χ^2/NDF: 71.2/62

In: 0.000+/-0.000 χ^2/NDF:47.0/51

Out: -0.000+/-0.000 χ^2/NDF:82.4/58

All: -0.000+/-0.000 χ^2/NDF: 131.7/110


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: 6579289.2/28
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: 13965954.8/62
In: 0.000+/-0.000 χ²/NDF:10140434.7/51
Out: 0.000+/-0.000 χ²/NDF:11201249.5/58
All: 0.000+/-0.000 χ²/NDF: 21343195.2/110



Right In: 0.011+/-0.047 χ^2/NDF: 28.5/28

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

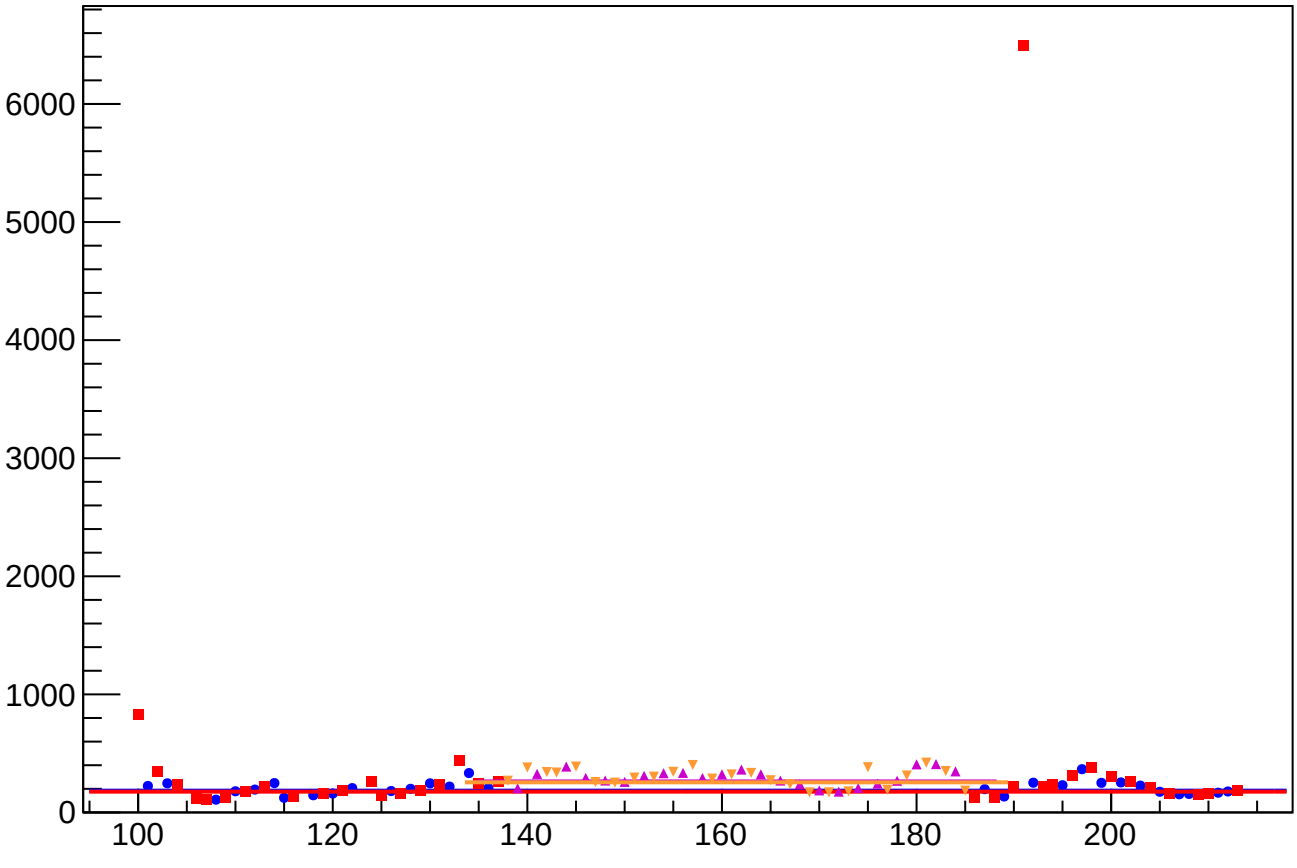
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.039+/-0.032 χ^2/NDF: 64.0/62

In: 0.034+/-0.038 χ^2/NDF:60.3/51

Out: -0.069+/-0.036 χ^2/NDF:58.1/58

All: -0.020+/-0.026 χ^2/NDF: 122.3/110



Right In: 184.604+/-0.033 χ^2/NDF: 2061263.8/28

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

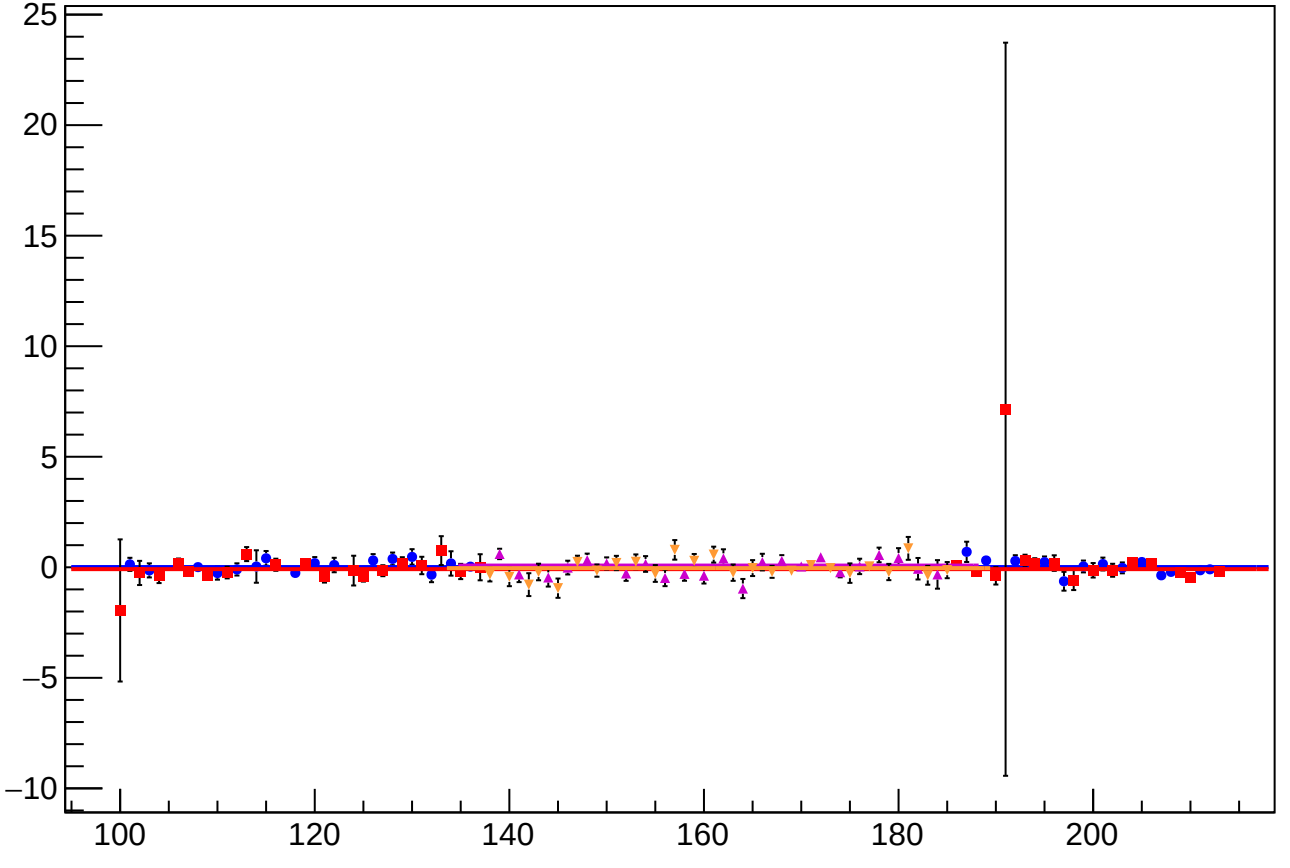
Right: 180.138+/-0.023 χ^2/NDF: 5692840.8/62

In: 211.308+/-0.027 χ^2/NDF:5998629.5/51

Out: 202.797+/-0.025 χ^2/NDF:8703292.0/58

All: 206.821+/-0.018 χ^2/NDF: 14755043.7/11

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.047 χ^2/NDF: 28.5/28

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

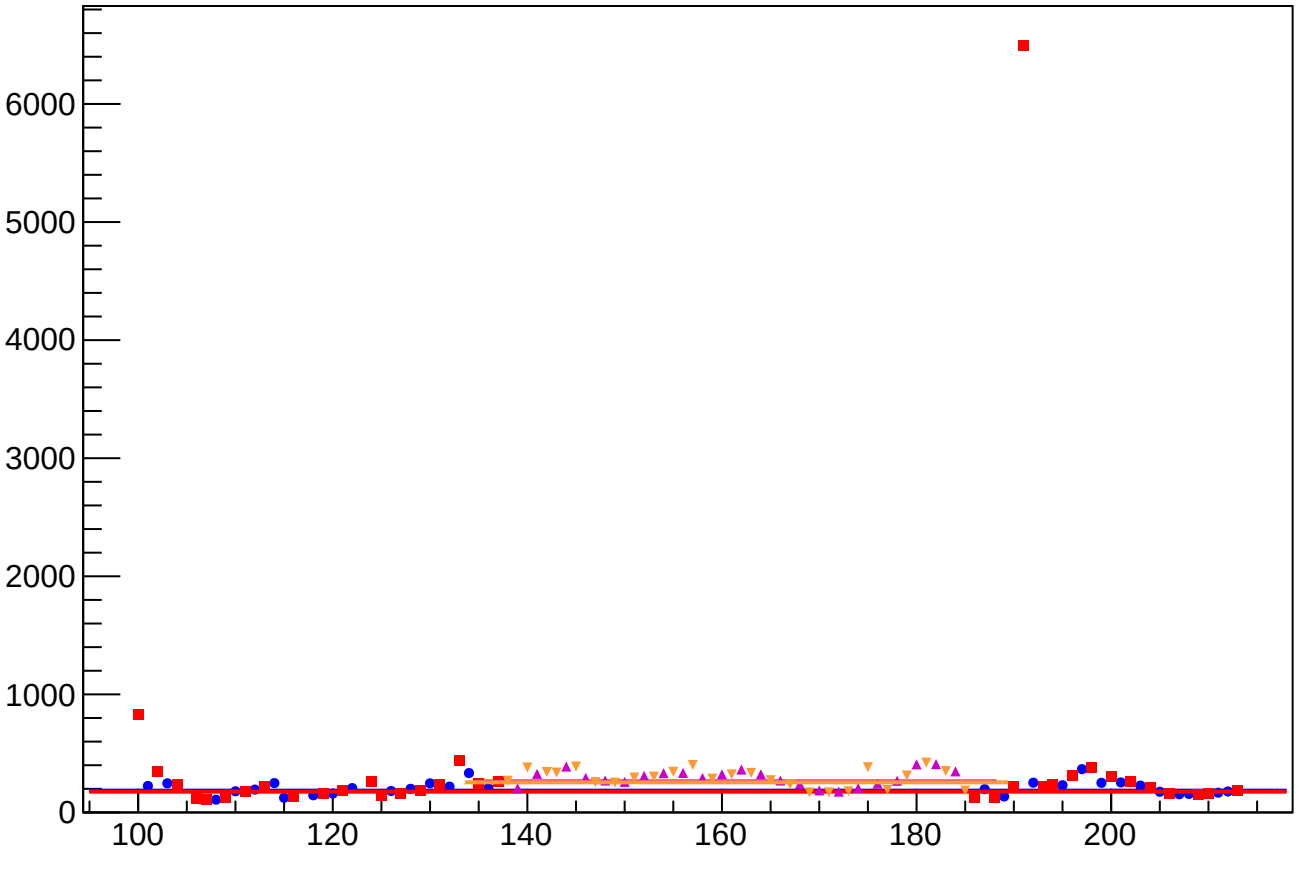
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.039+/-0.032 χ^2/NDF: 64.0/62

In: 0.034+/-0.038 χ^2/NDF:60.3/51

Out: -0.069+/-0.036 χ^2/NDF:58.1/58

All: -0.020+/-0.026 χ^2/NDF: 122.3/110



Right In: 184.604+/-0.033 χ^2/NDF: 2061263.8/28

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

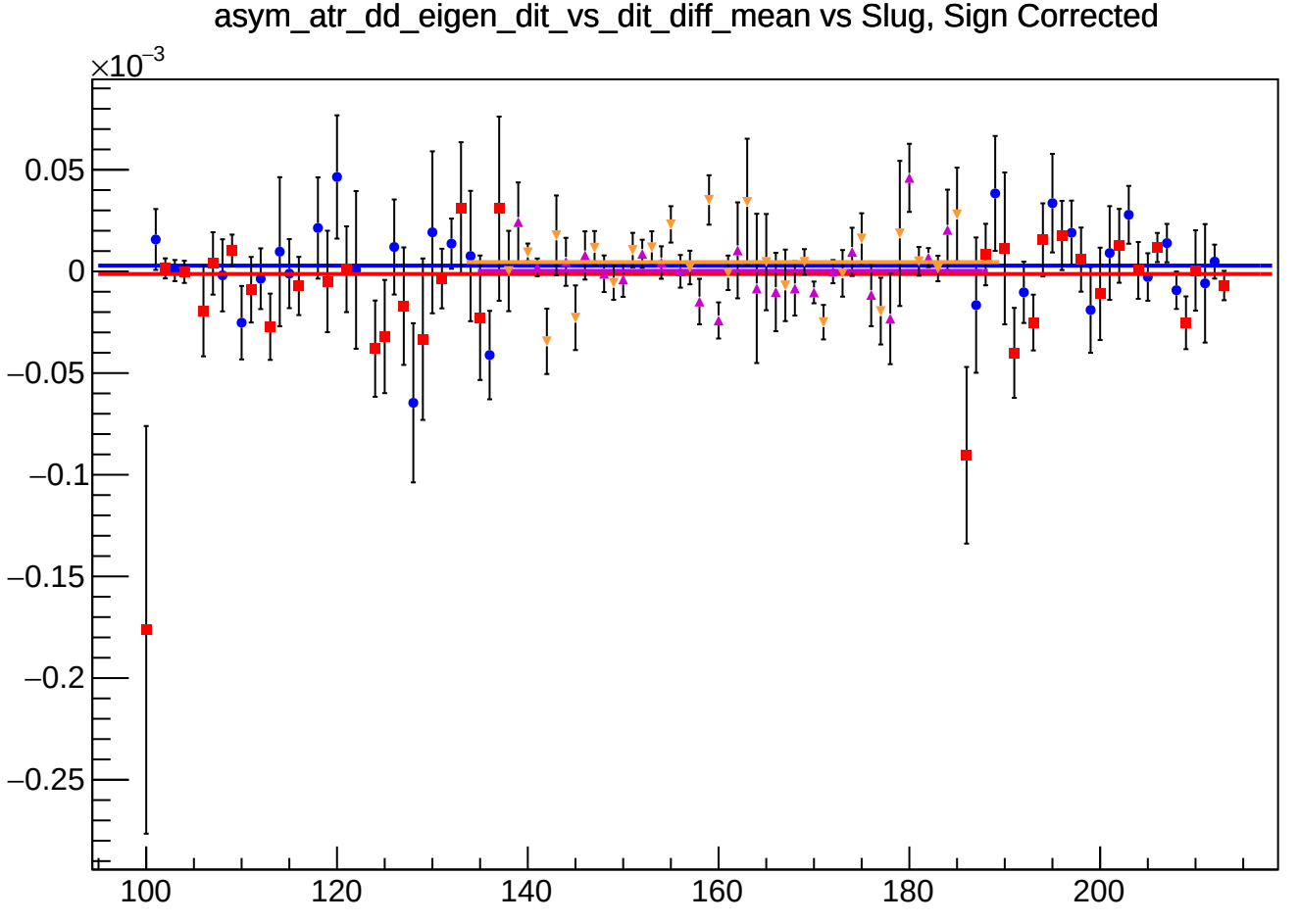
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 180.138+/-0.023 χ^2/NDF: 5692840.8/62

In: 211.308+/-0.027 χ^2/NDF:5998629.5/51

Out: 202.797+/-0.025 χ^2/NDF:8703292.0/58

All: 206.821+/-0.018 χ^2/NDF: 14755043.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 27.6/28

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

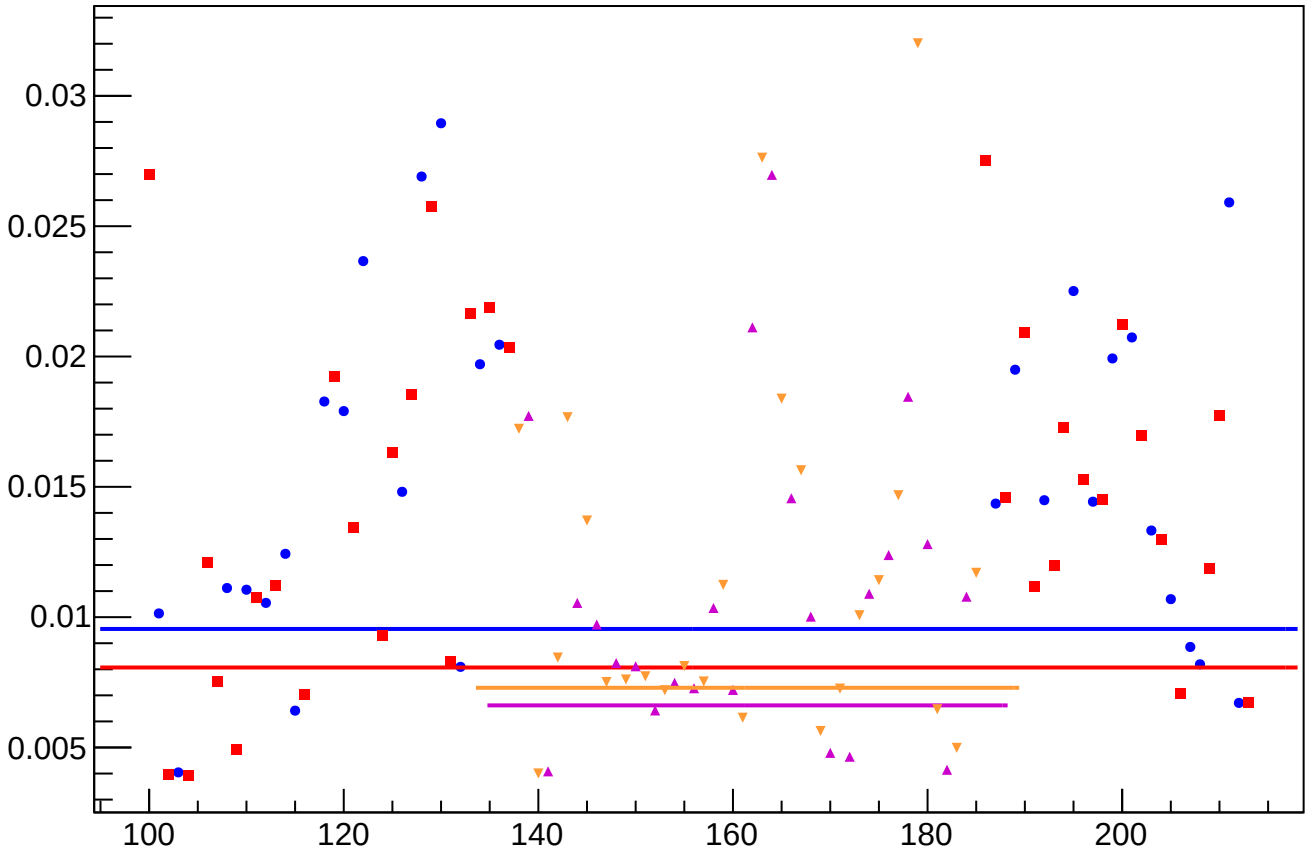
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: 0.000+/-0.000 χ^2/NDF: 66.2/62

In: 0.000+/-0.000 χ^2/NDF:59.4/51

Out: 0.000+/-0.000 χ^2/NDF:84.7/58

All: 0.000+/-0.000 χ^2/NDF: 144.4/110



Right In: 0.010+/-0.000 χ^2/NDF: 8024141.5/28

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

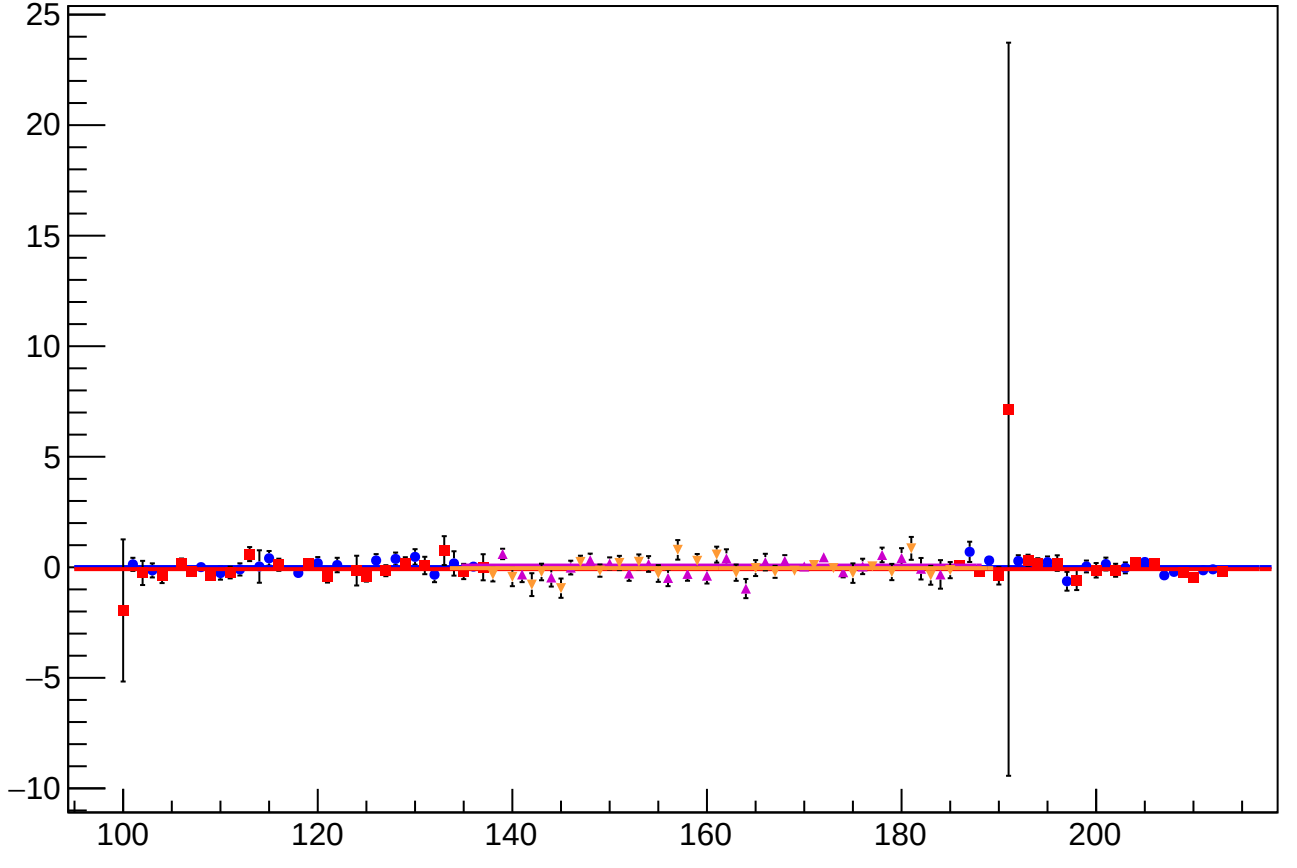
Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

Right: 0.009+/-0.000 χ^2/NDF: 18404438.8/62

In: 0.008+/-0.000 χ^2/NDF:16091449.4/51

Out: 0.008+/-0.000 χ^2/NDF:16931897.0/58

All: 0.008+/-0.000 χ^2/NDF: 33027407.0/110



Right In: 0.011+/-0.047 χ^2/NDF: 28.5/28

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

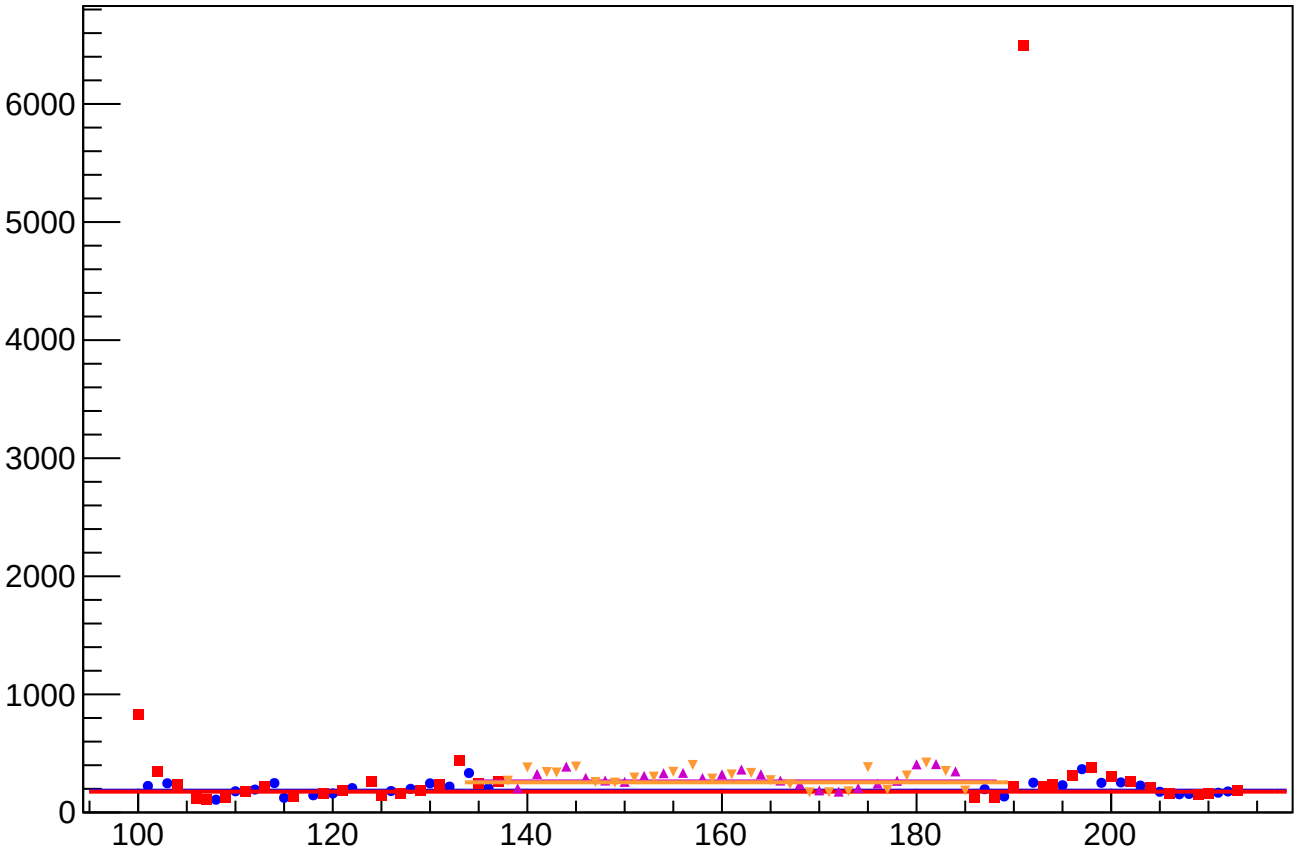
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.039+/-0.032 χ^2/NDF: 64.0/62

In: 0.034+/-0.038 χ^2/NDF:60.3/51

Out: -0.069+/-0.036 χ^2/NDF:58.1/58

All: -0.020+/-0.026 χ^2/NDF: 122.3/110



Right In: 184.604+/-0.033 χ^2/NDF: 2061241.5/28

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

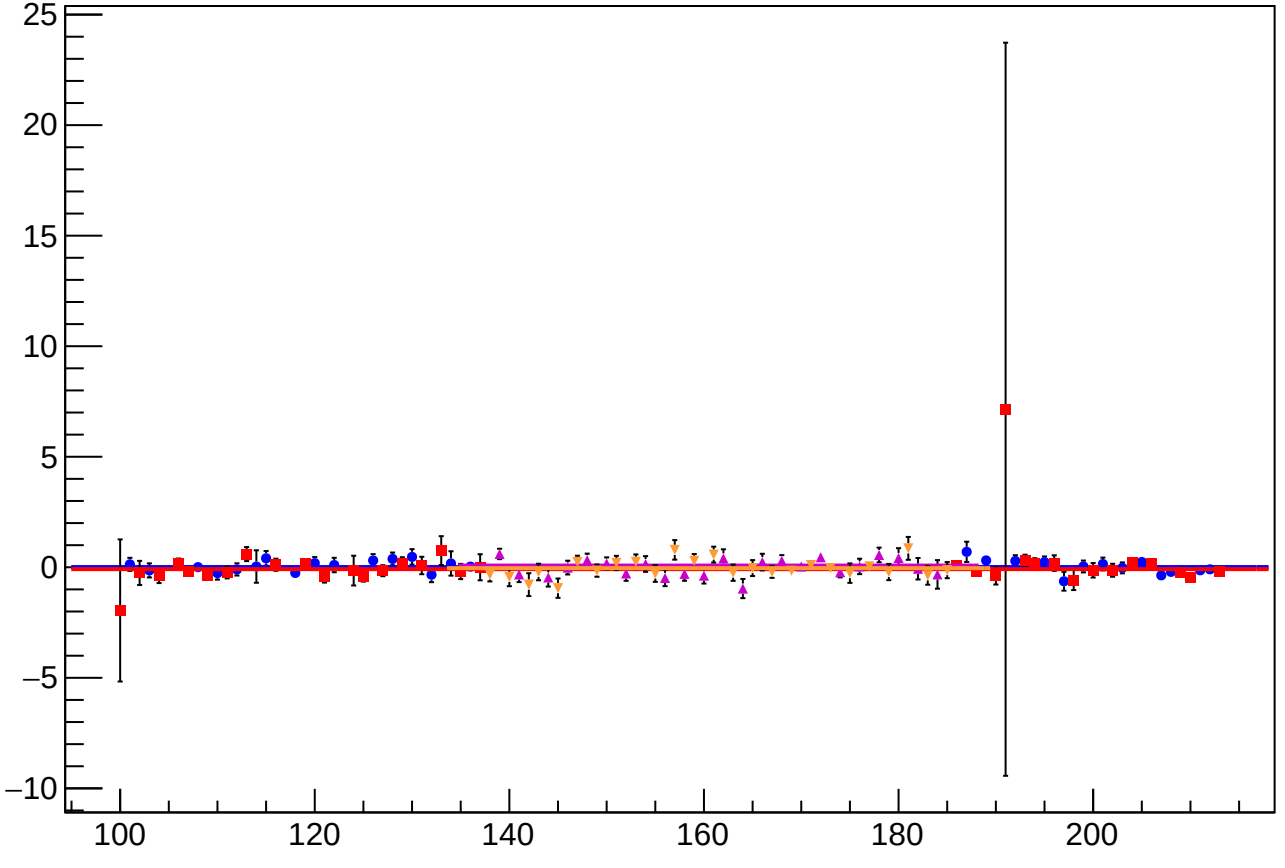
Right: 180.139+/-0.023 χ^2/NDF: 5692778.1/62

In: 211.309+/-0.027 χ^2/NDF:5998699.2/51

Out: 202.798+/-0.025 χ^2/NDF:8703376.7/58

All: 206.822+/-0.018 χ^2/NDF: 14755197.2/11

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.047 χ^2/NDF: 28.5/28

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

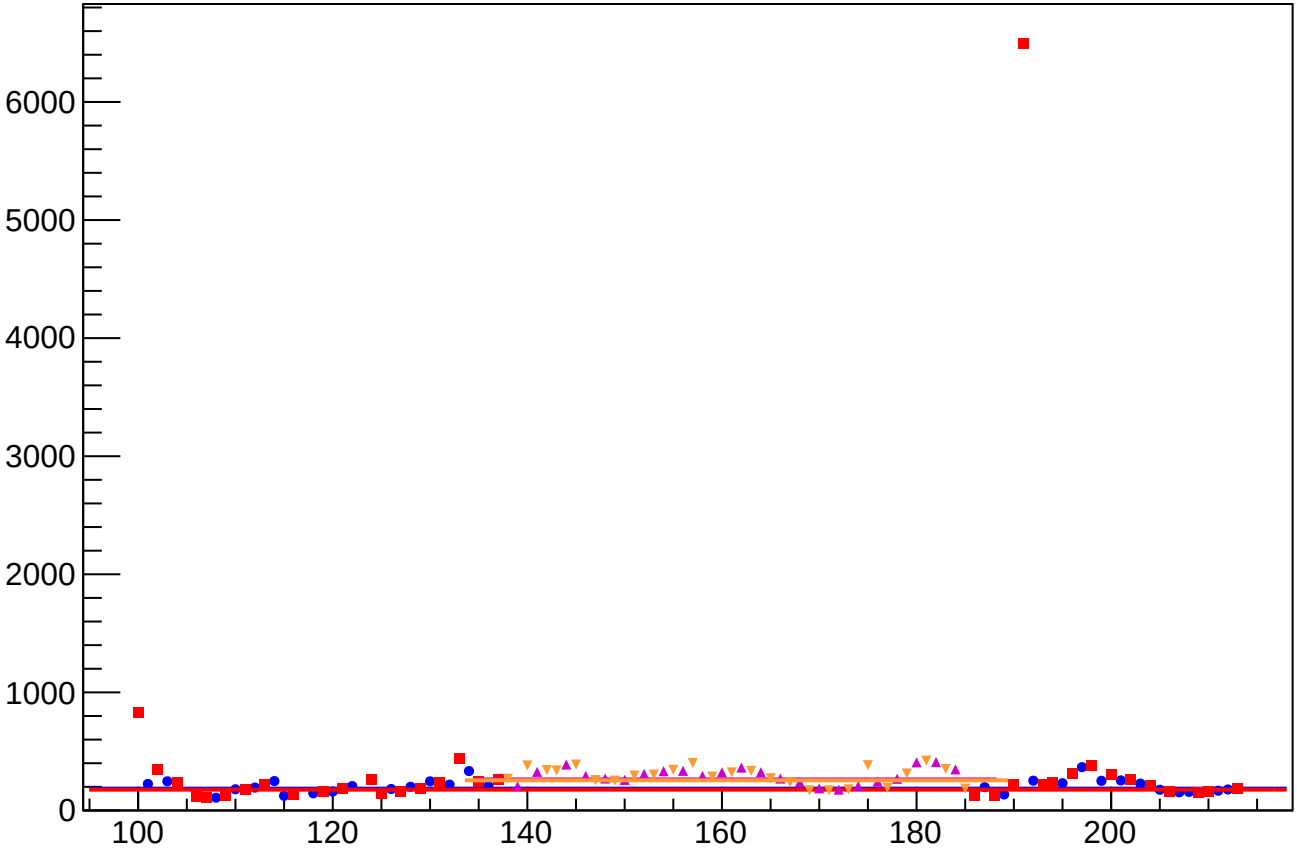
Right: -0.039+/-0.032 χ^2/NDF: 64.0/62

In: 0.034+/-0.038 χ^2/NDF:60.3/51

Out: -0.069+/-0.036 χ^2/NDF:58.1/58

All: -0.020+/-0.026 χ^2/NDF: 122.3/110

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 184.604+/-0.033 χ^2/NDF: 2061241.5/28

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

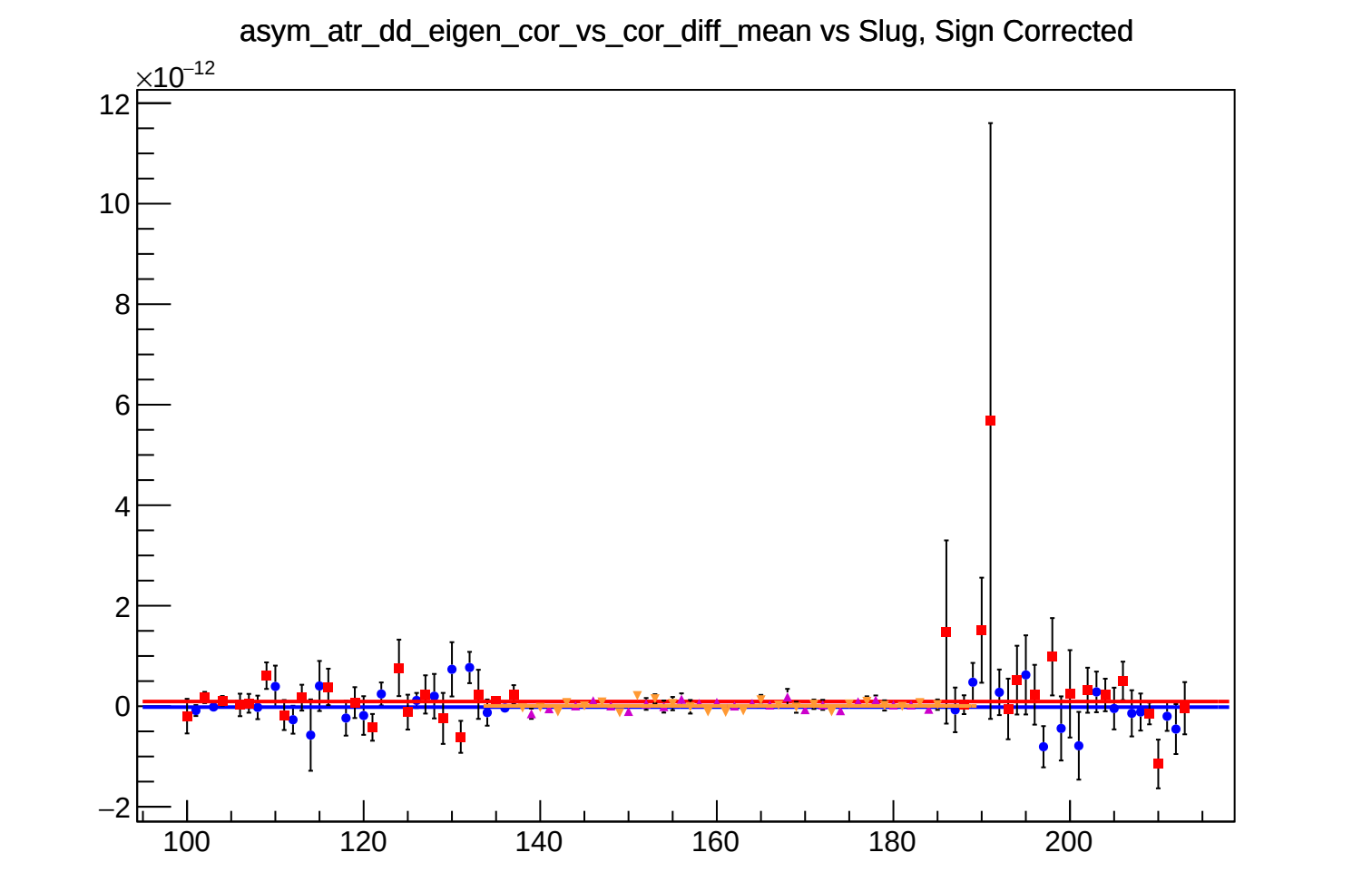
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 180.139+/-0.023 χ^2/NDF: 5692778.1/62

In: 211.309+/-0.027 χ^2/NDF:5998699.2/51

Out: 202.798+/-0.025 χ^2/NDF:8703376.7/58

All: 206.822+/-0.018 χ^2/NDF: 14755197.2/11



Right In: -0.000+/-0.000 χ^2/NDF: 25.2/28

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

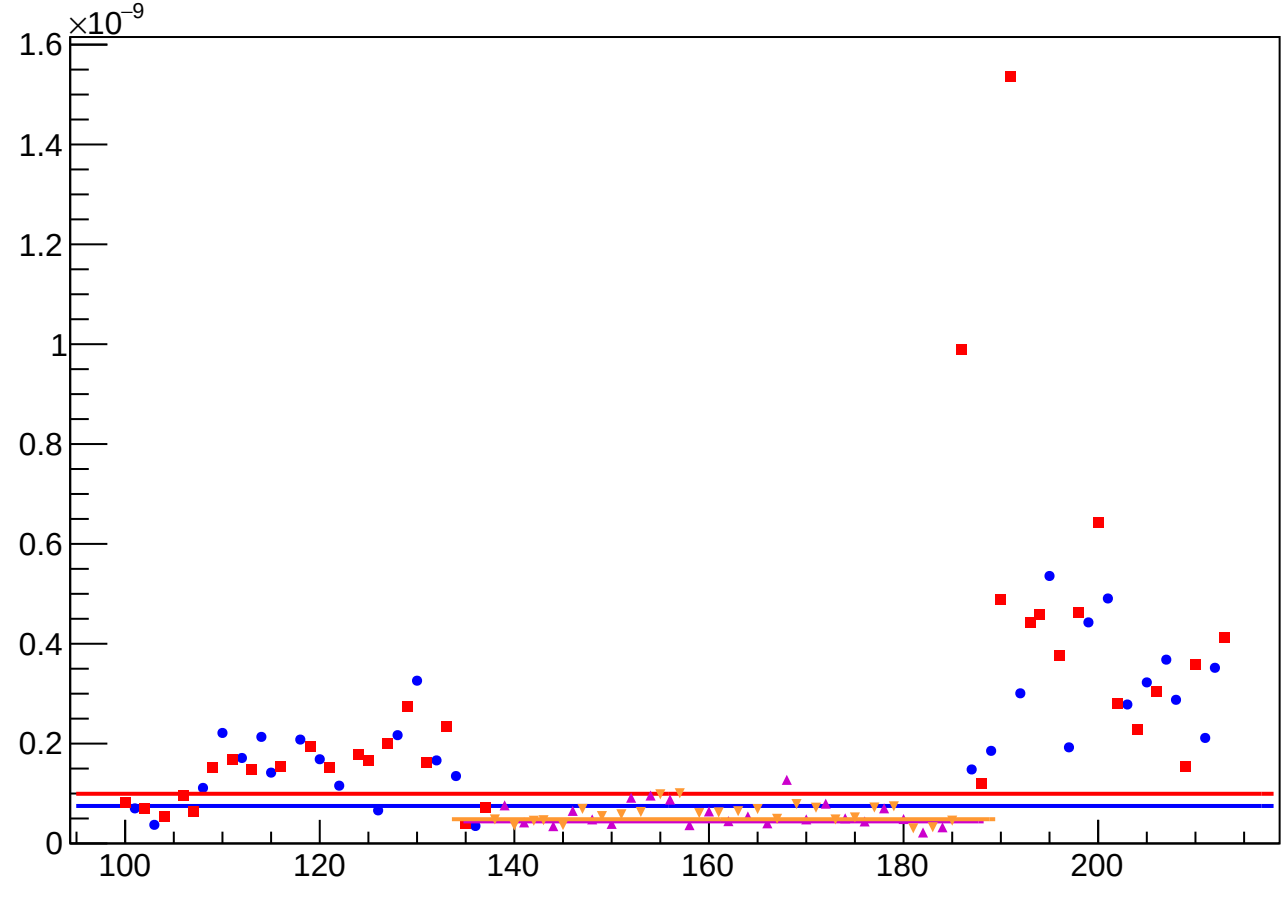
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 62.9/62

In: 0.000+/-0.000 χ^2/NDF:46.9/51

Out: 0.000+/-0.000 χ^2/NDF:68.1/58

All: 0.000+/-0.000 χ^2/NDF: 115.4/110



Right In: 0.000+/-0.000 χ^2/NDF: 10543208.2/28

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

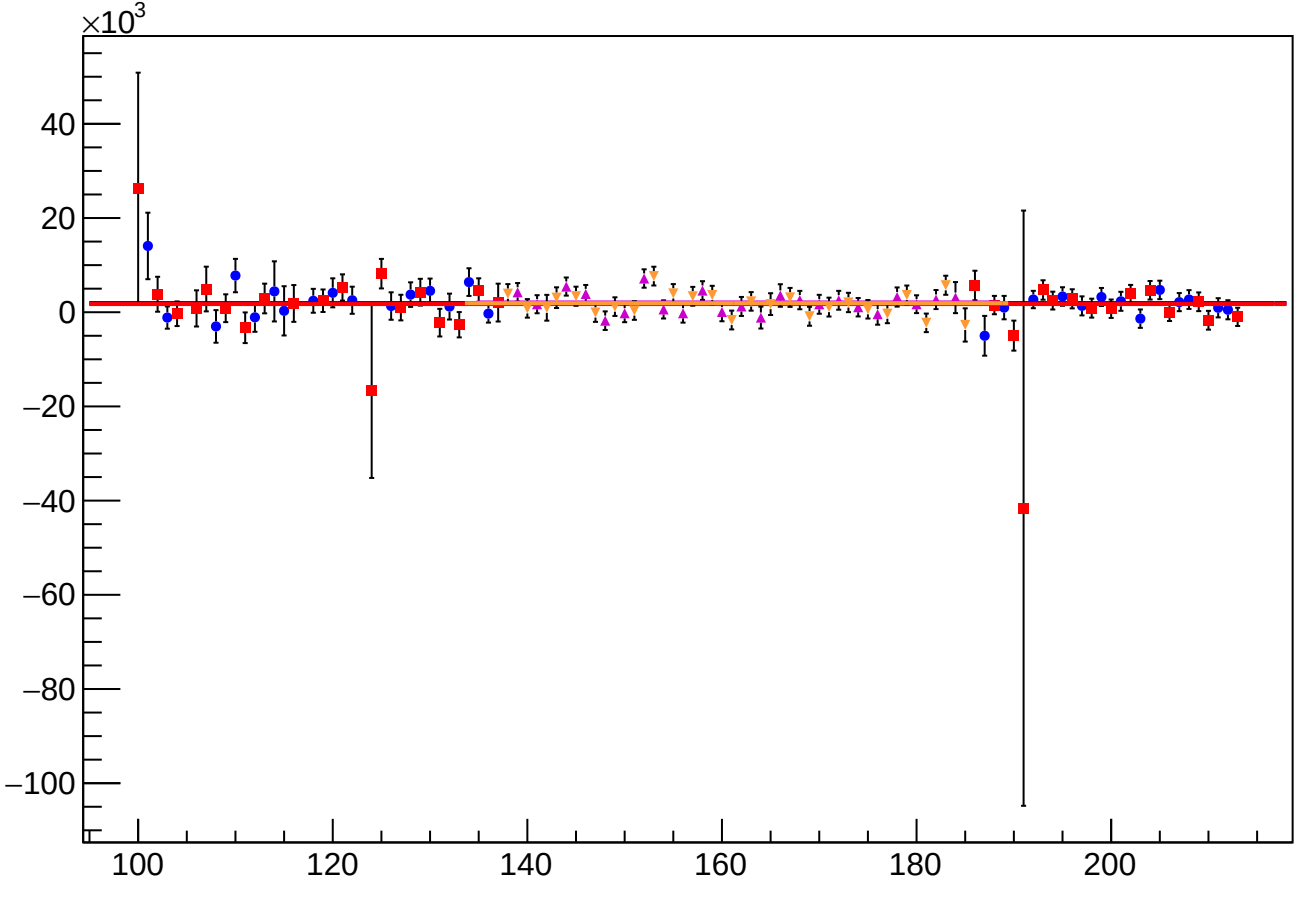
Right: 0.000+/-0.000 χ^2/NDF: 20609792.6/62

In: 0.000+/-0.000 χ^2/NDF:15596600.1/51

Out: 0.000+/-0.000 χ^2/NDF:15117509.6/58

All: 0.000+/-0.000 χ^2/NDF: 30916469.9/110

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1949.339+/-451.511 χ^2/NDF: 26.4/28

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

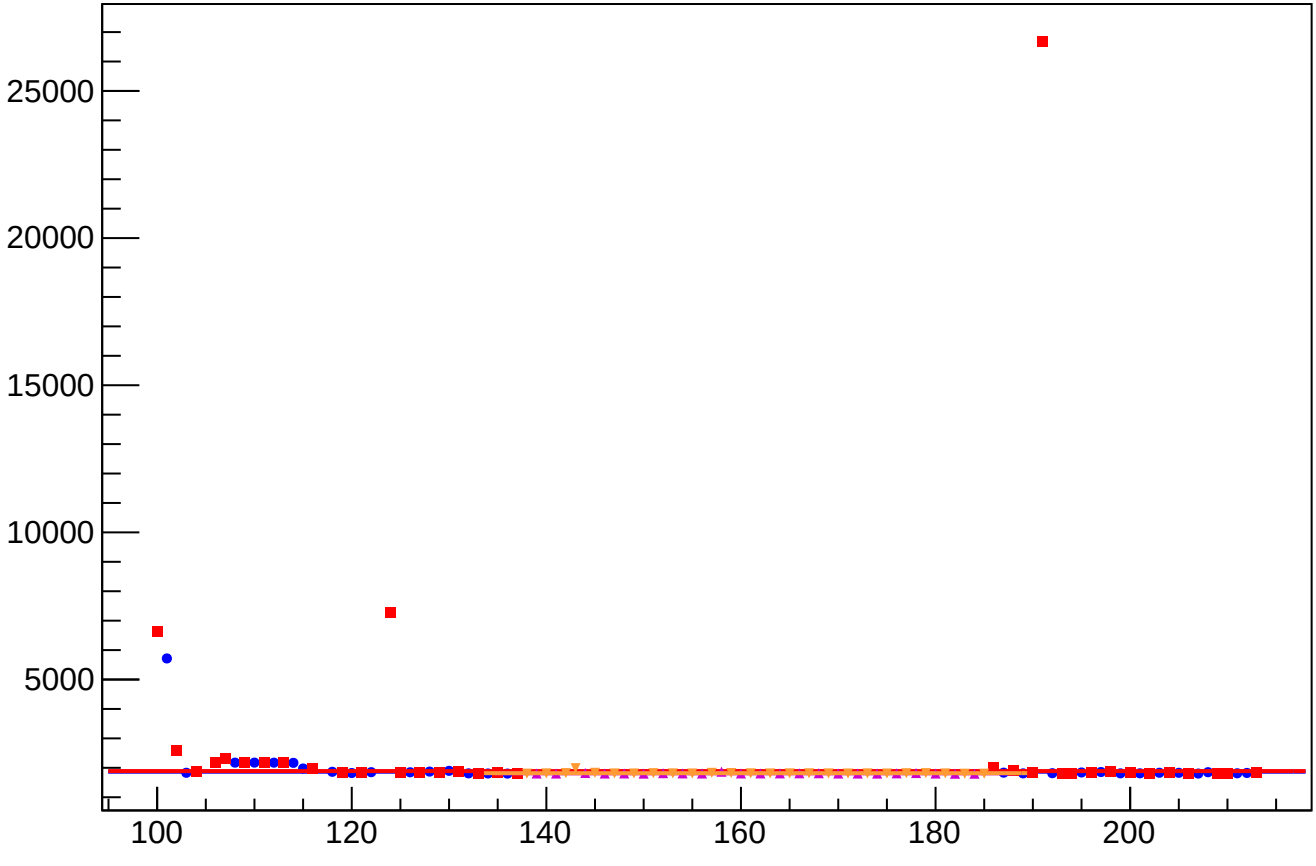
Right: 1837.465+/-314.893 χ^2/NDF: 63.9/62

In: 2015.809+/-308.772 χ^2/NDF:52.9/51

Out: 1831.938+/-300.899 χ^2/NDF:70.1/58

All: 1921.500+/-215.497 χ^2/NDF: 123.2/110

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1867.929+/-0.319 χ^2/NDF: 668065.8/28

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

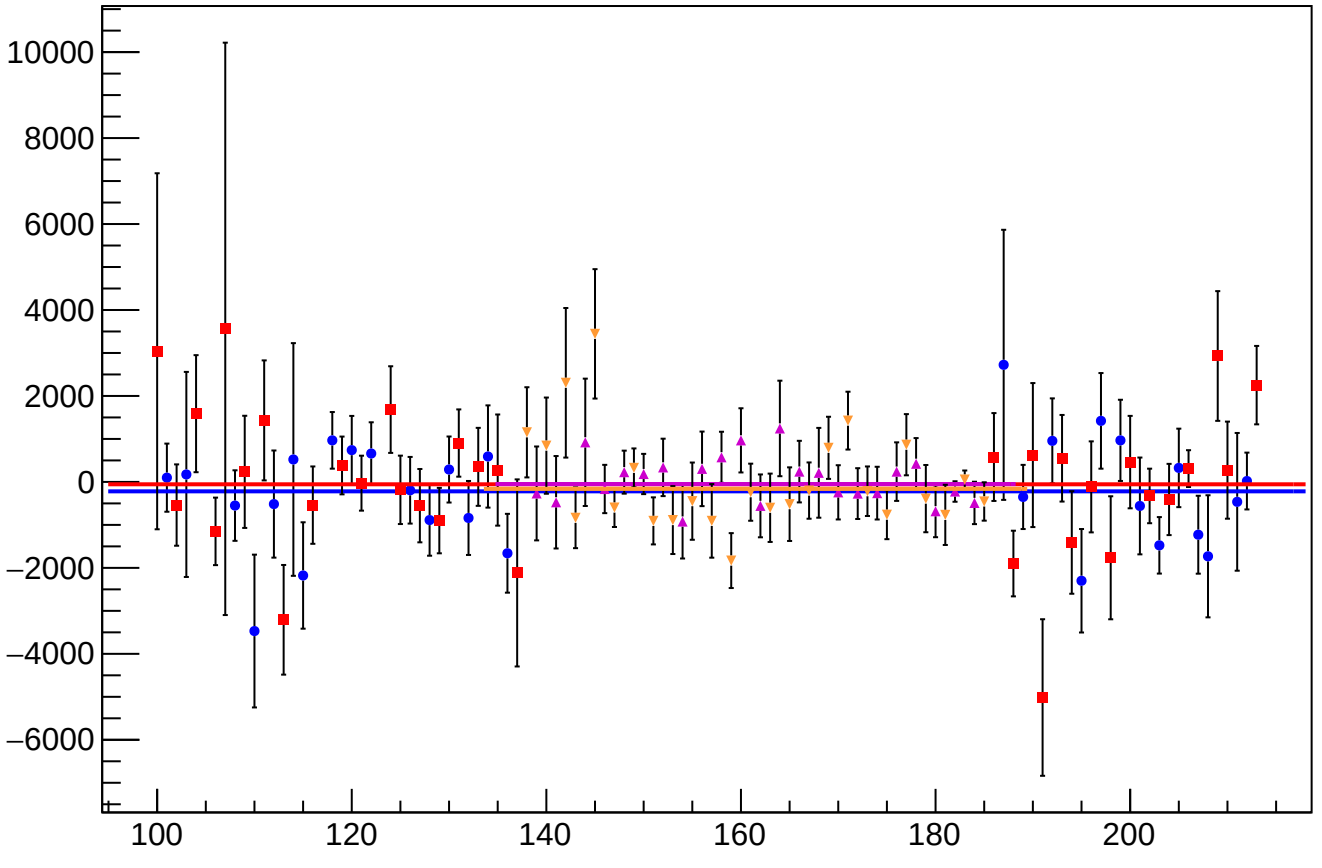
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1878.231+/-0.223 χ^2/NDF: 1411431.0/62

In: 1838.446+/-0.218 χ^2/NDF:686098.1/51

Out: 1850.570+/-0.213 χ^2/NDF:781607.1/58

All: 1844.664+/-0.152 χ^2/NDF: 1469286.6/11



Right In: -219.487+/-173.906 χ^2/NDF: 32.7/28

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

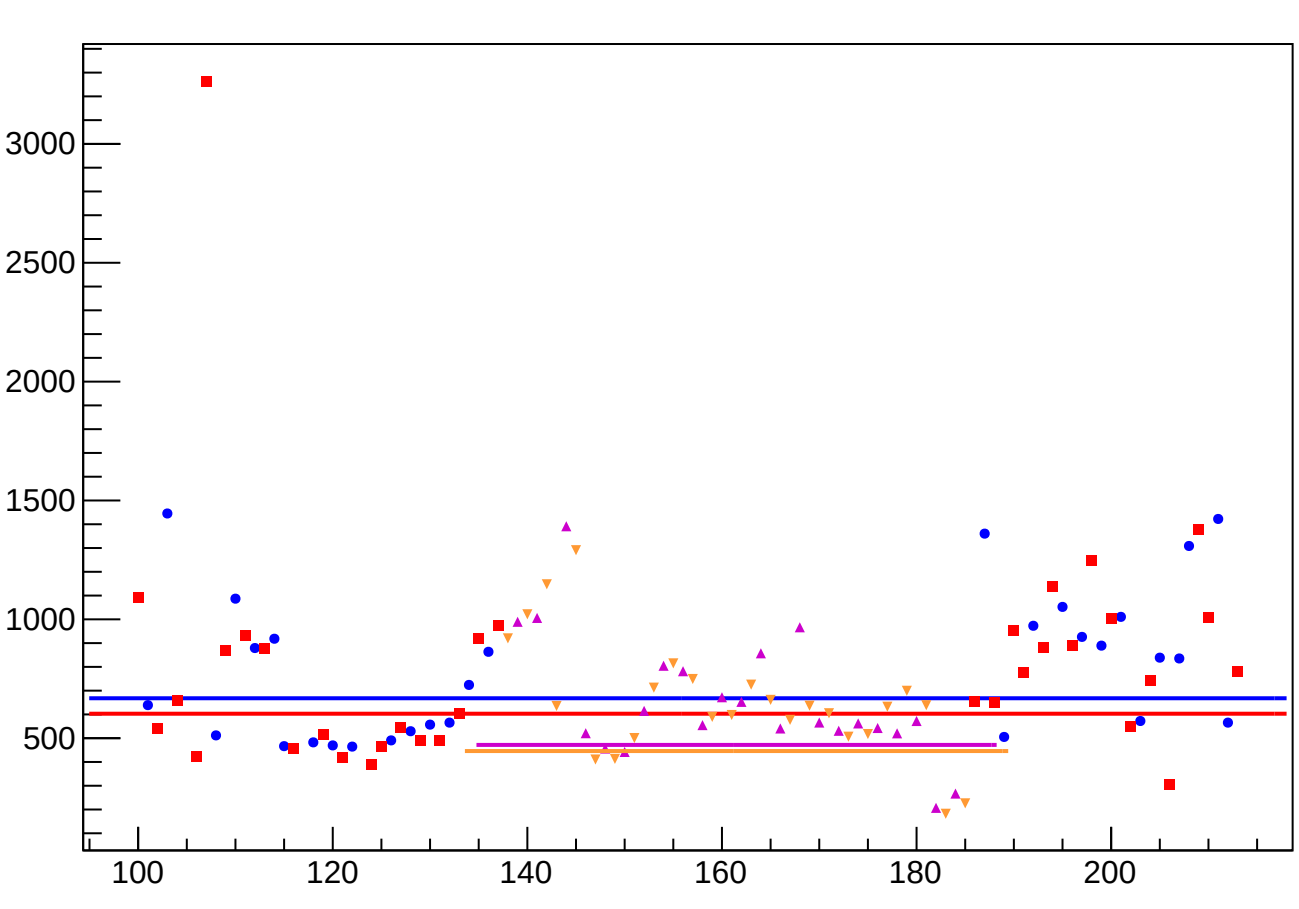
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -130.306+/-117.494 χ^2/NDF: 81.5/62

In: -105.851+/-100.253 χ^2/NDF:44.7/51

Out: -126.034+/-93.413 χ^2/NDF:85.5/58

All: -116.654+/-68.343 χ^2/NDF: 130.2/110



Right In: 668.003+/-0.123 χ^2/NDF: 3358697.5/28

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

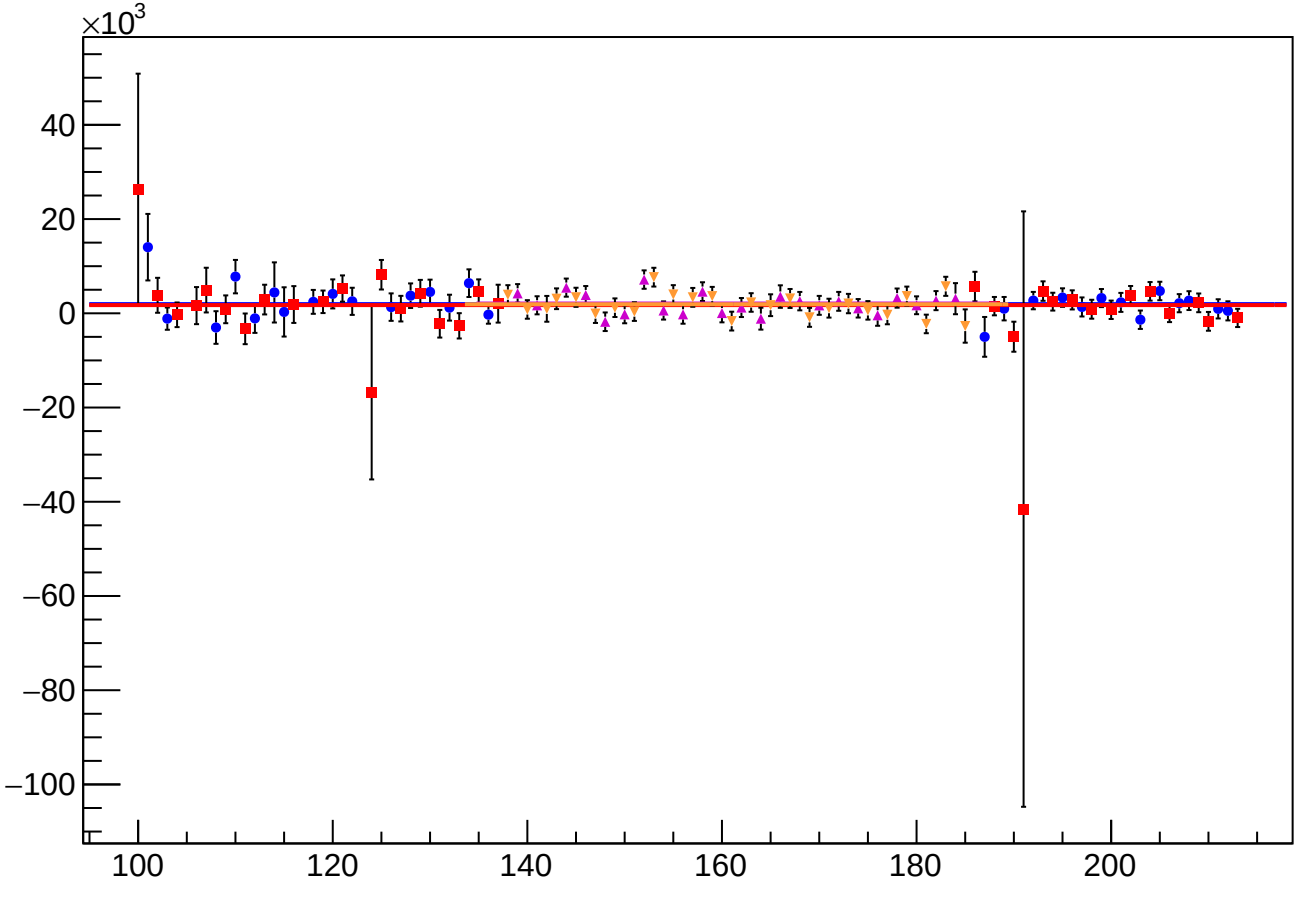
Right: 632.658+/-0.083 χ^2/NDF: 8323091.2/62

In: 536.967+/-0.071 χ^2/NDF:11473263.6/51

Out: 499.861+/-0.066 χ^2/NDF:14070333.2/58

All: 517.105+/-0.048 χ^2/NDF: 25690252.6/1

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1949.254+/-451.511 χ^2/NDF: 26.3/28

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

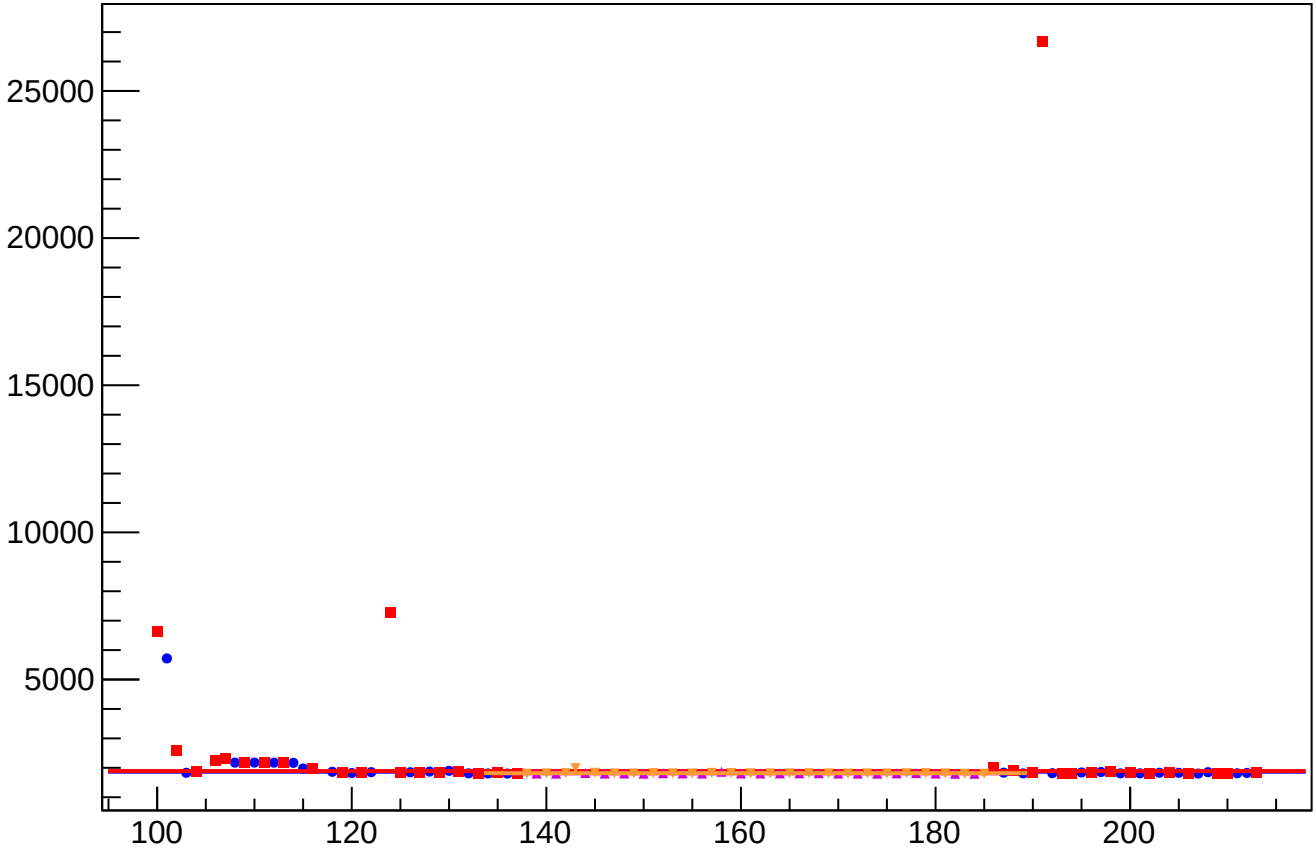
Right: 1843.066+/-314.944 χ^2/NDF: 63.9/62

In: 2015.823+/-308.772 χ^2/NDF:52.9/51

Out: 1837.070+/-300.943 χ^2/NDF:70.0/58

All: 1924.151+/-215.514 χ^2/NDF: 123.1/110

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1867.929+/-0.319 χ^2/NDF: 668065.8/28

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

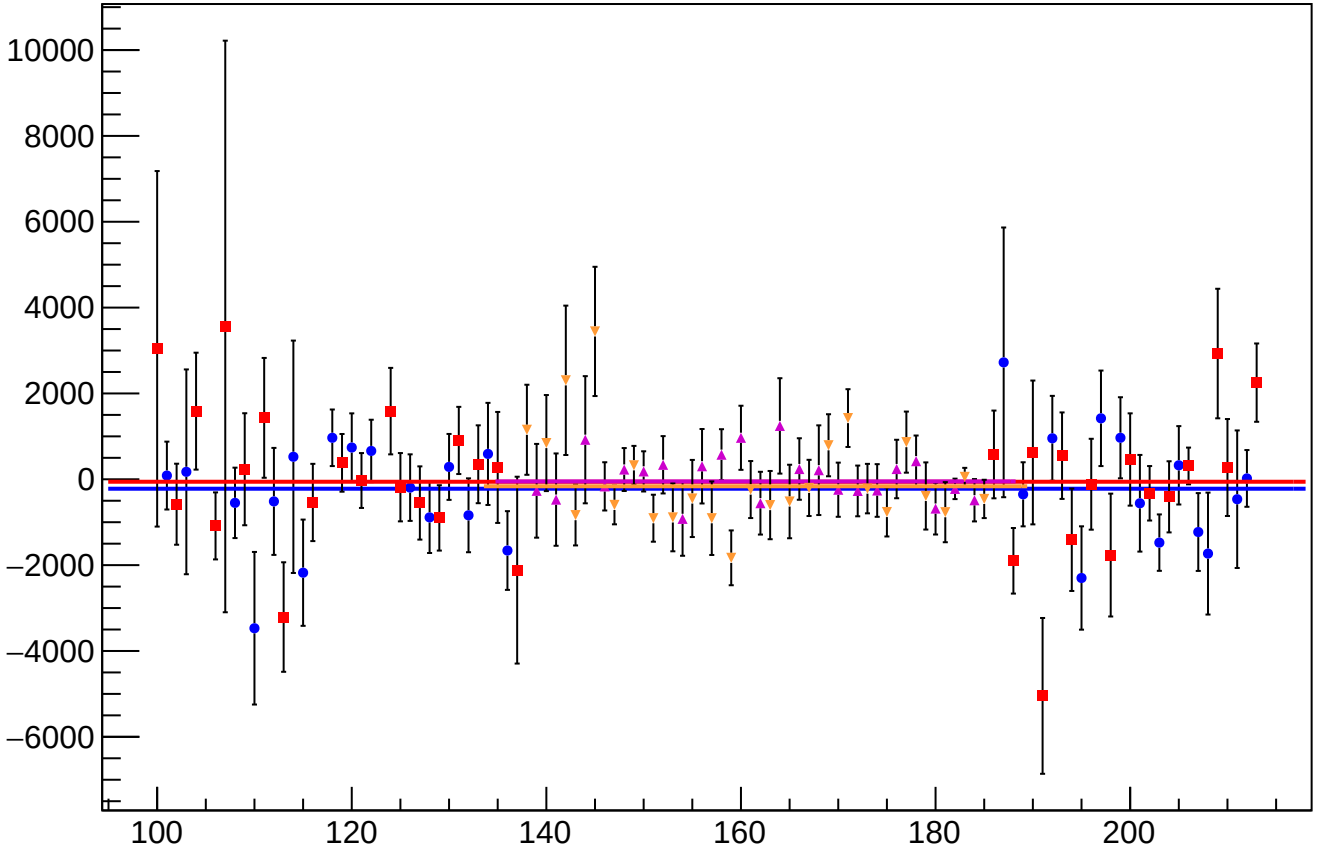
Right: 1878.455+/-0.223 χ^2/NDF: 1415242.6/62

In: 1838.446+/-0.218 χ^2/NDF:686098.0/51

Out: 1850.766+/-0.213 χ^2/NDF:785663.8/58

All: 1844.764+/-0.152 χ^2/NDF: 1473394.6/11

asym_at1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -219.954+/-173.885 χ^2/NDF: 32.7/28

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

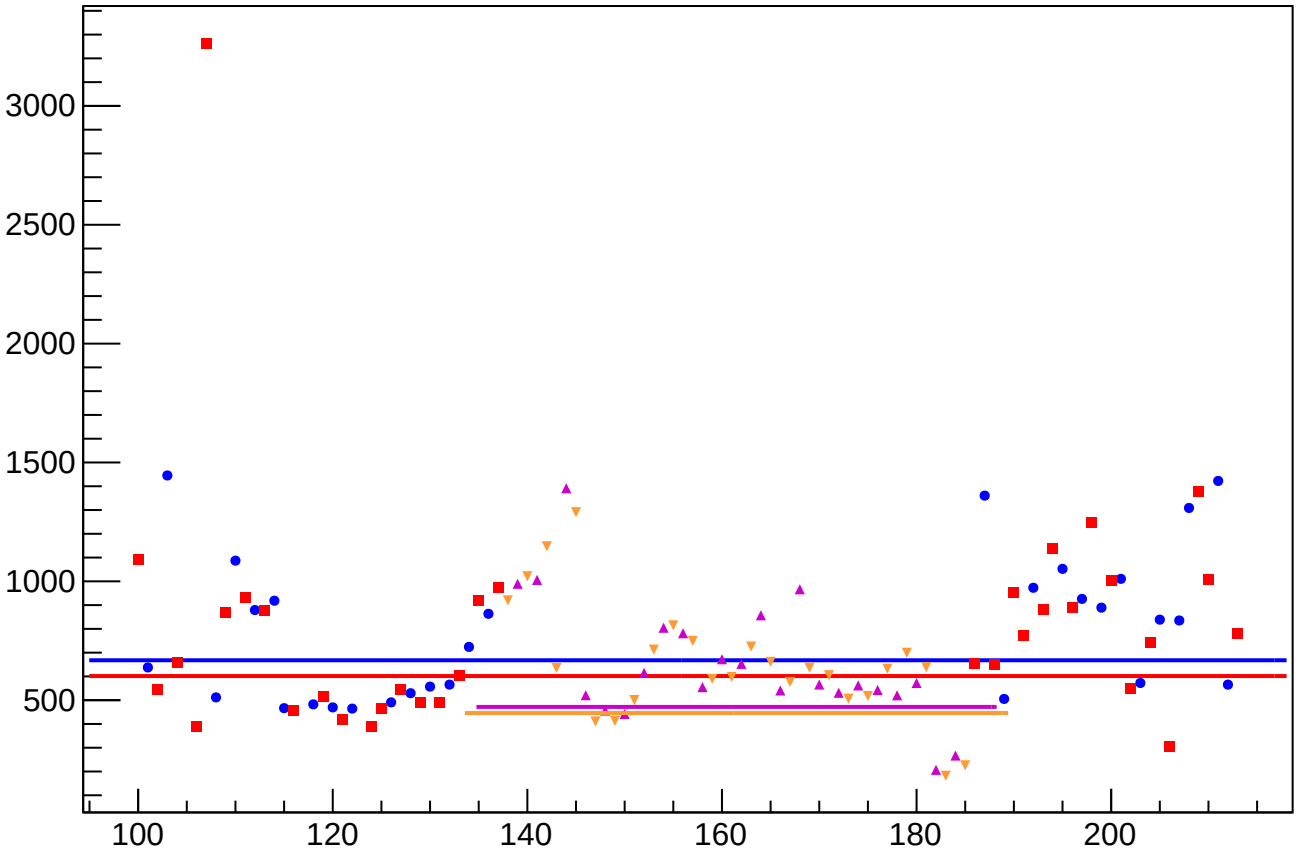
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -131.471+/-117.465 χ^2/NDF: 81.2/62

In: -106.029+/-100.250 χ^2/NDF:44.7/51

Out: -126.576+/-93.400 χ^2/NDF:85.2/58

All: -117.029+/-68.337 χ^2/NDF: 129.9/110



Right In: 667.930+/-0.123 χ^2/NDF: 3359043.2/28

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

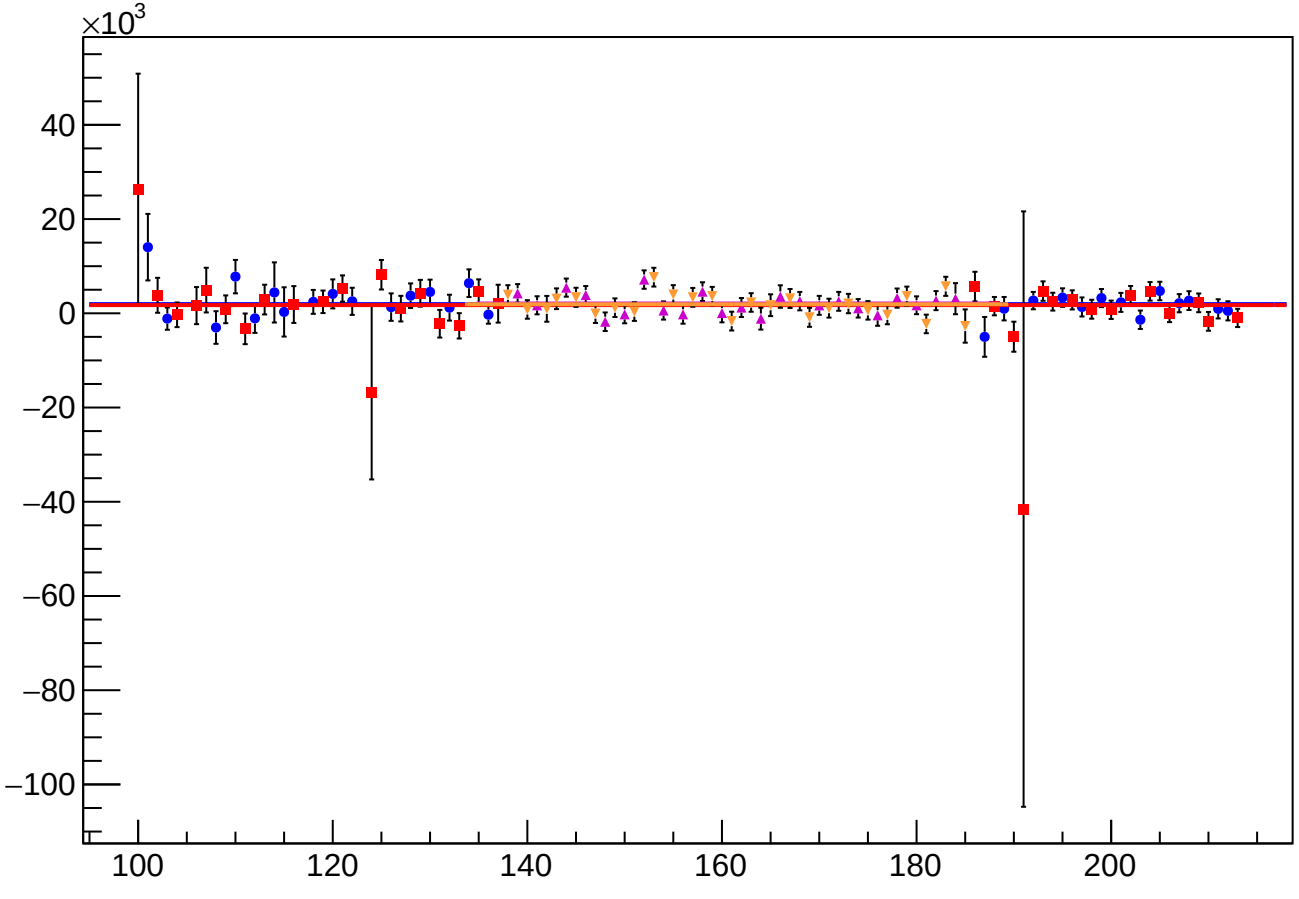
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 631.856+/-0.083 χ^2/NDF: 8373624.9/62

In: 536.963+/-0.071 χ^2/NDF:11472177.1/51

Out: 499.386+/-0.066 χ^2/NDF:14094004.0/58

All: 516.847+/-0.048 χ^2/NDF: 25716606.2/11



Right In: 1949.254+/-451.511 χ^2/NDF: 26.3/28

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

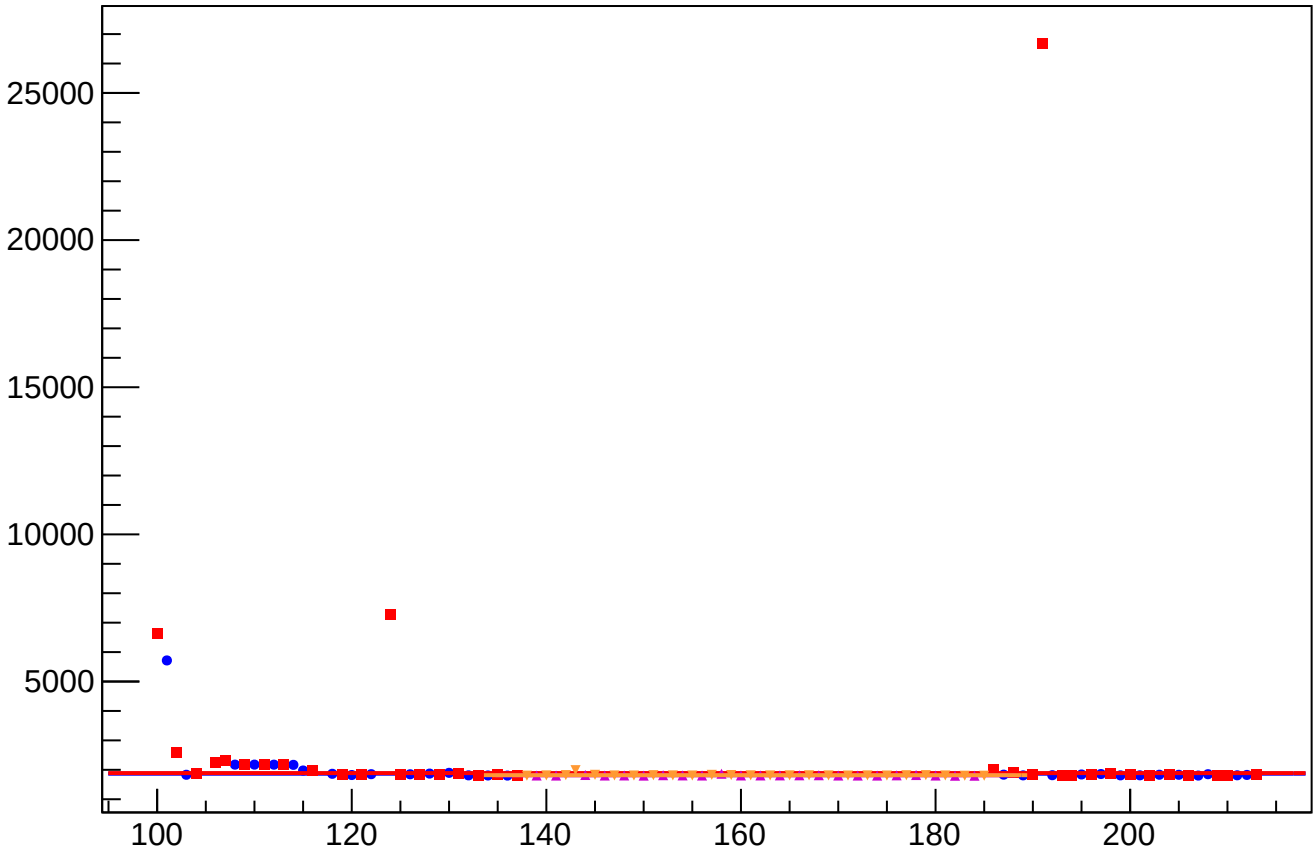
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1843.066+/-314.944 χ^2/NDF: 63.9/62

In: 2015.823+/-308.772 χ^2/NDF:52.9/51

Out: 1837.070+/-300.943 χ^2/NDF:70.0/58

All: 1924.151+/-215.514 χ^2/NDF: 123.1/110



Right In: 1867.929+/-0.319 χ^2/NDF: 668065.8/28

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

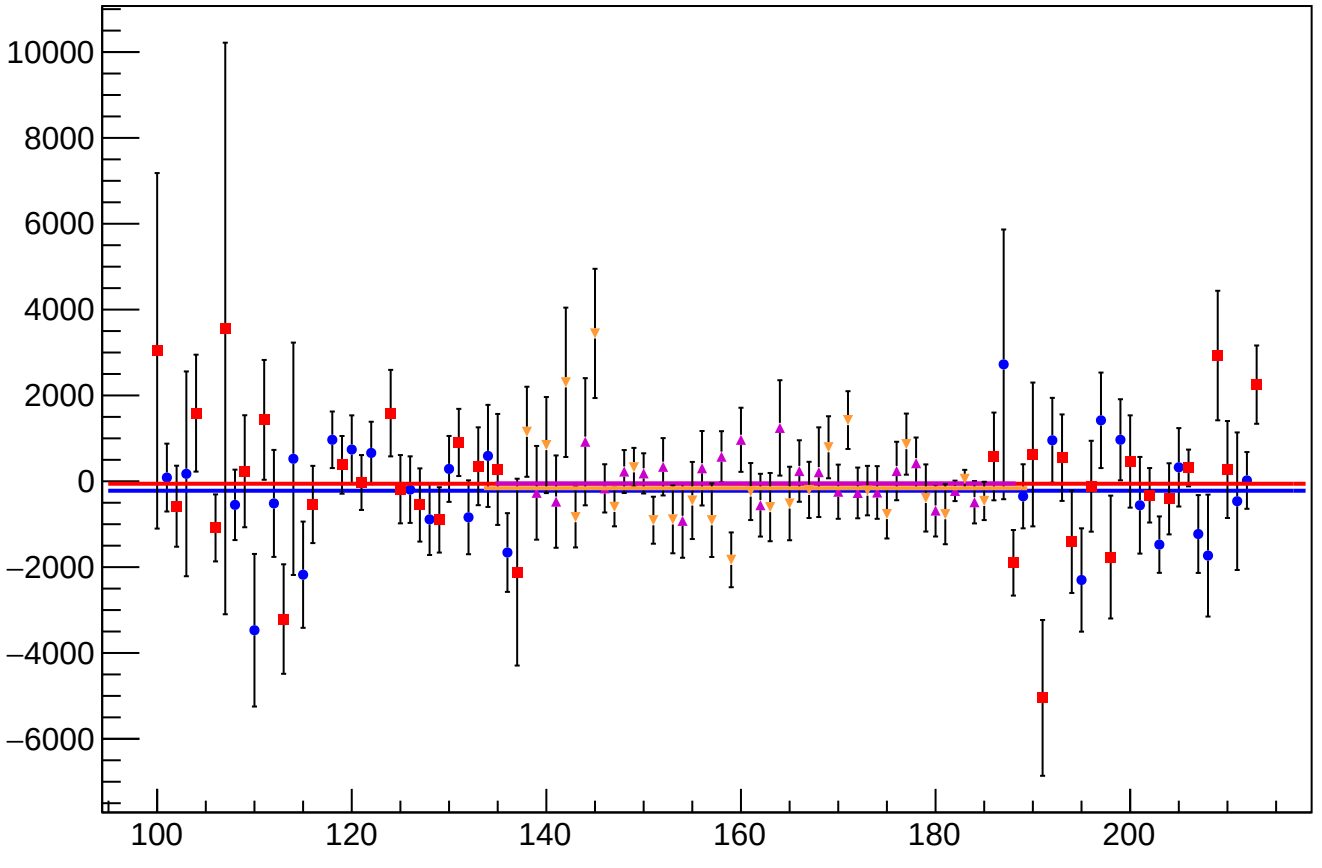
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1878.455+/-0.223 χ^2/NDF: 1415242.6/62

In: 1838.446+/-0.218 χ^2/NDF:686098.0/51

Out: 1850.766+/-0.213 χ^2/NDF:785663.8/58

All: 1844.764+/-0.152 χ^2/NDF: 1473394.6/1



Right In: -219.954+/-173.885 χ^2/NDF: 32.7/28

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

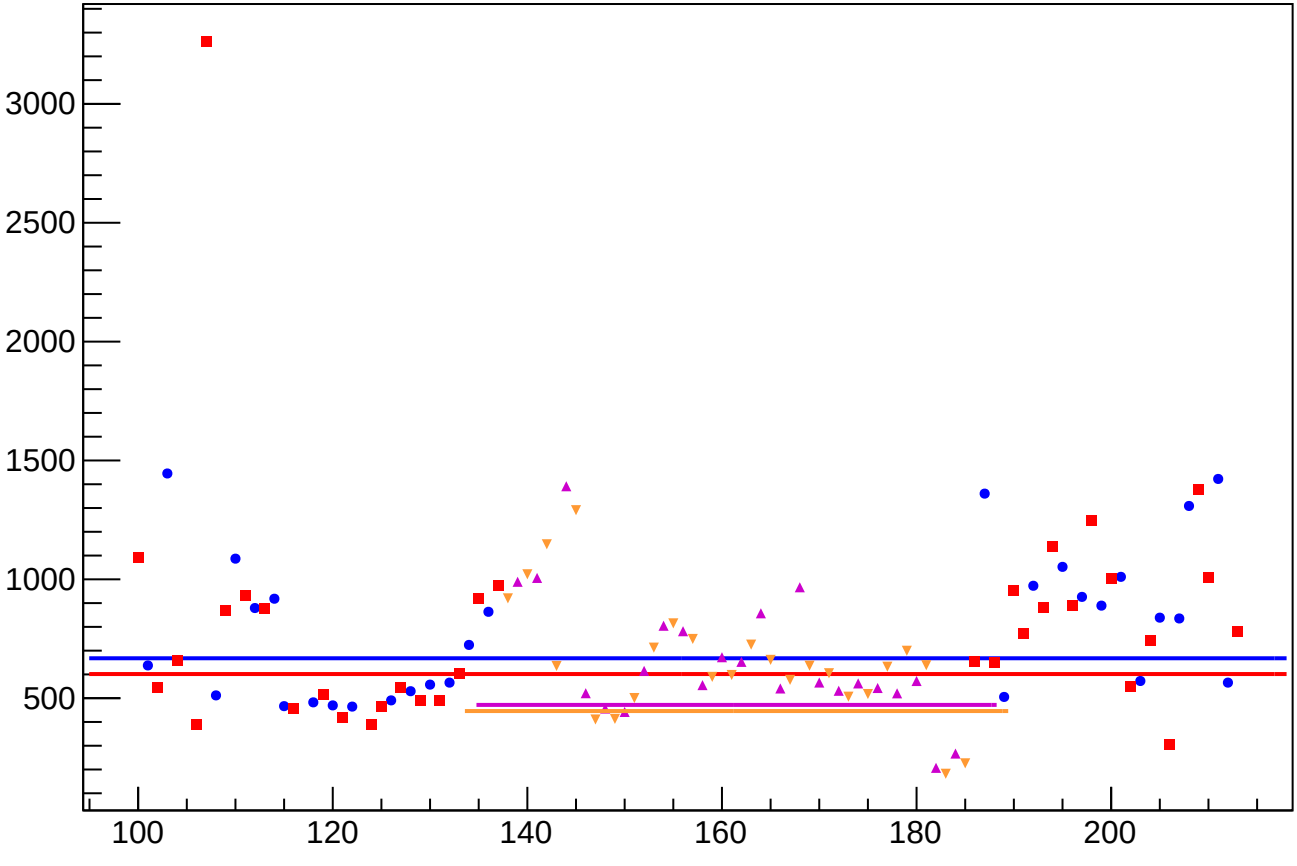
Right: -131.471+/-117.465 χ^2/NDF: 81.2/62

In: -106.029+/-100.250 χ^2/NDF:44.7/51

Out: -126.576+/-93.400 χ^2/NDF:85.2/58

All: -117.029+/-68.337 χ^2/NDF: 129.9/110

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 667.930+/-0.123 χ^2/NDF: 3359043.2/28

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

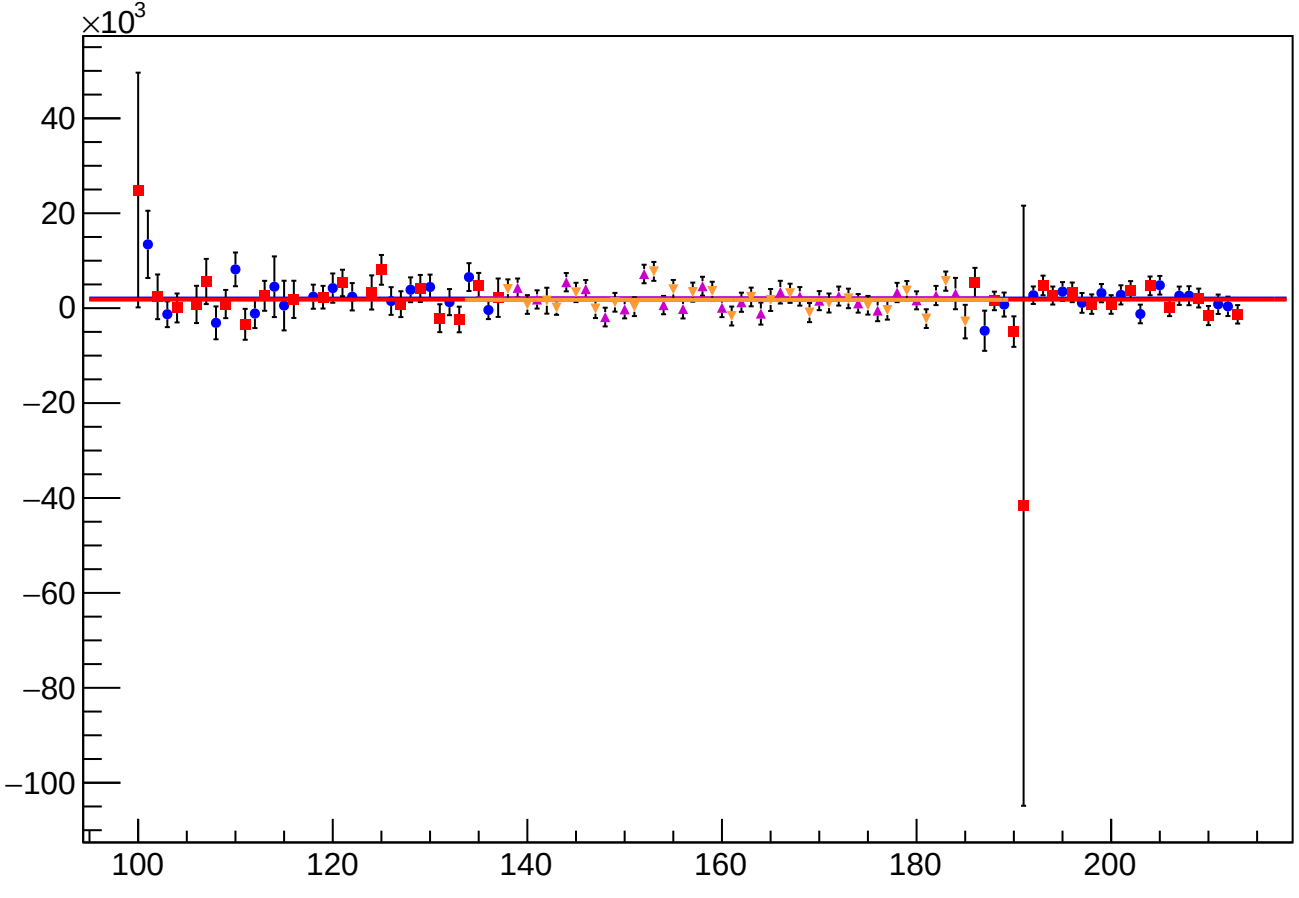
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 631.856+/-0.083 χ^2/NDF: 8373624.9/62

In: 536.963+/-0.071 χ^2/NDF:11472177.1/51

Out: 499.386+/-0.066 χ^2/NDF:14094004.0/58

All: 516.847+/-0.048 χ^2/NDF: 25716606.2/11



Right In: 2021.905+/-455.826 χ^2/NDF: 26.7/28

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

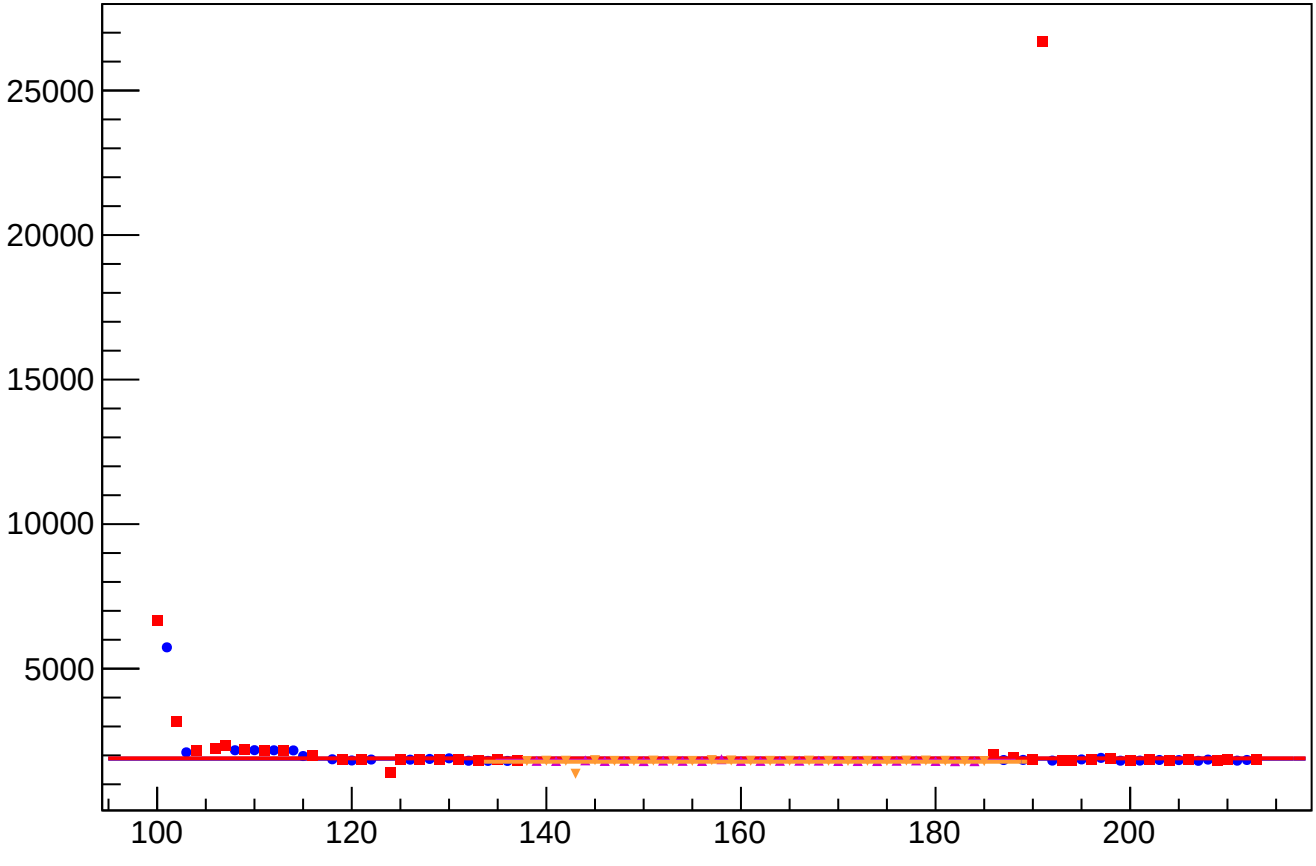
Right: 1908.593+/-317.276 χ^2/NDF: 62.4/62

In: 2049.556+/-310.317 χ^2/NDF:53.7/51

Out: 1776.794+/-298.731 χ^2/NDF:69.4/58

All: 1907.988+/-215.214 χ^2/NDF: 123.5/110

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1885.238+/-0.322 χ^2/NDF: 679415.9/28

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

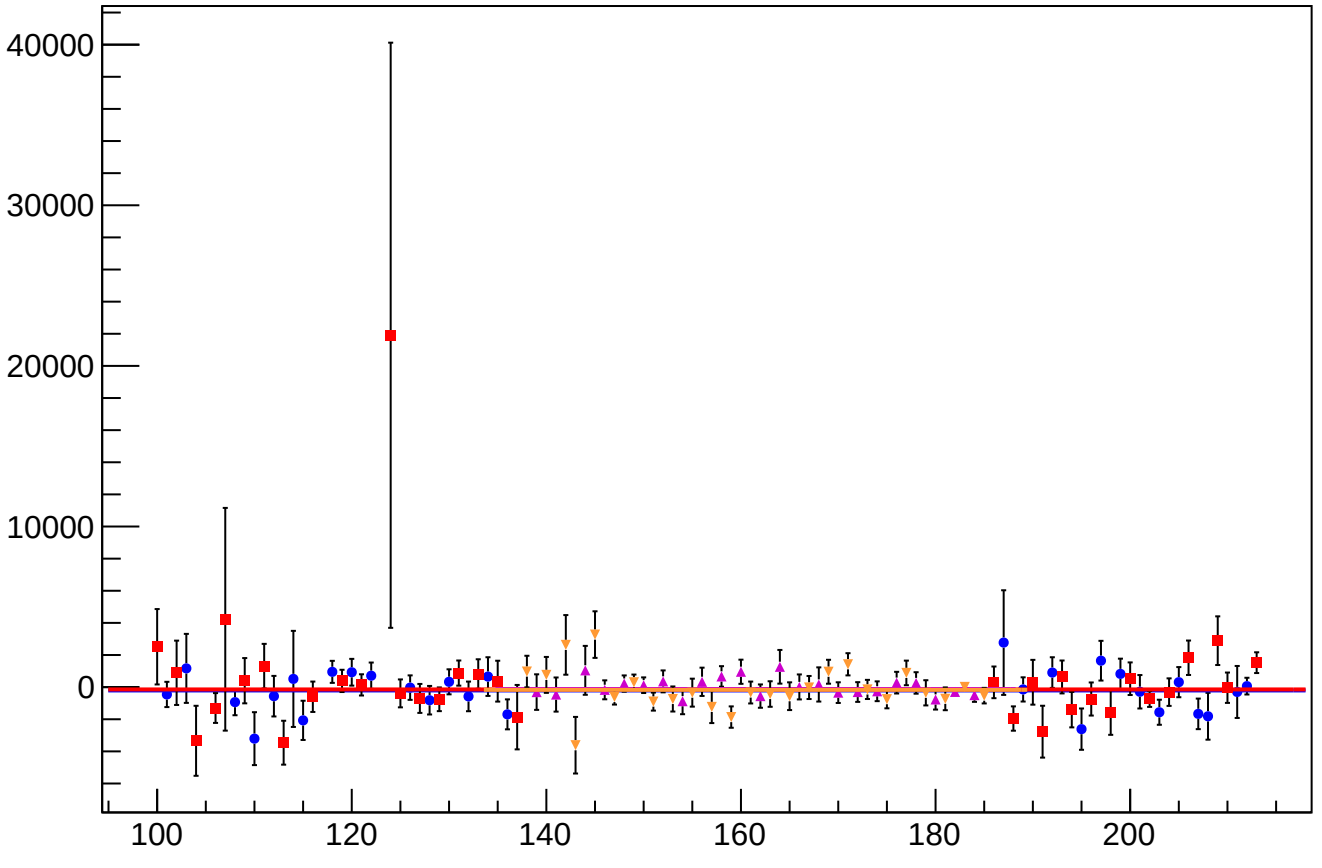
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1891.457+/-0.224 χ^2/NDF: 1378275.2/62

In: 1847.249+/-0.219 χ^2/NDF:707401.4/51

Out: 1834.104+/-0.211 χ^2/NDF:938411.3/58

All: 1840.427+/-0.152 χ^2/NDF: 1647675.3/11



Right In: -205.810+/-175.447 χ^2/NDF: 33.6/28

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

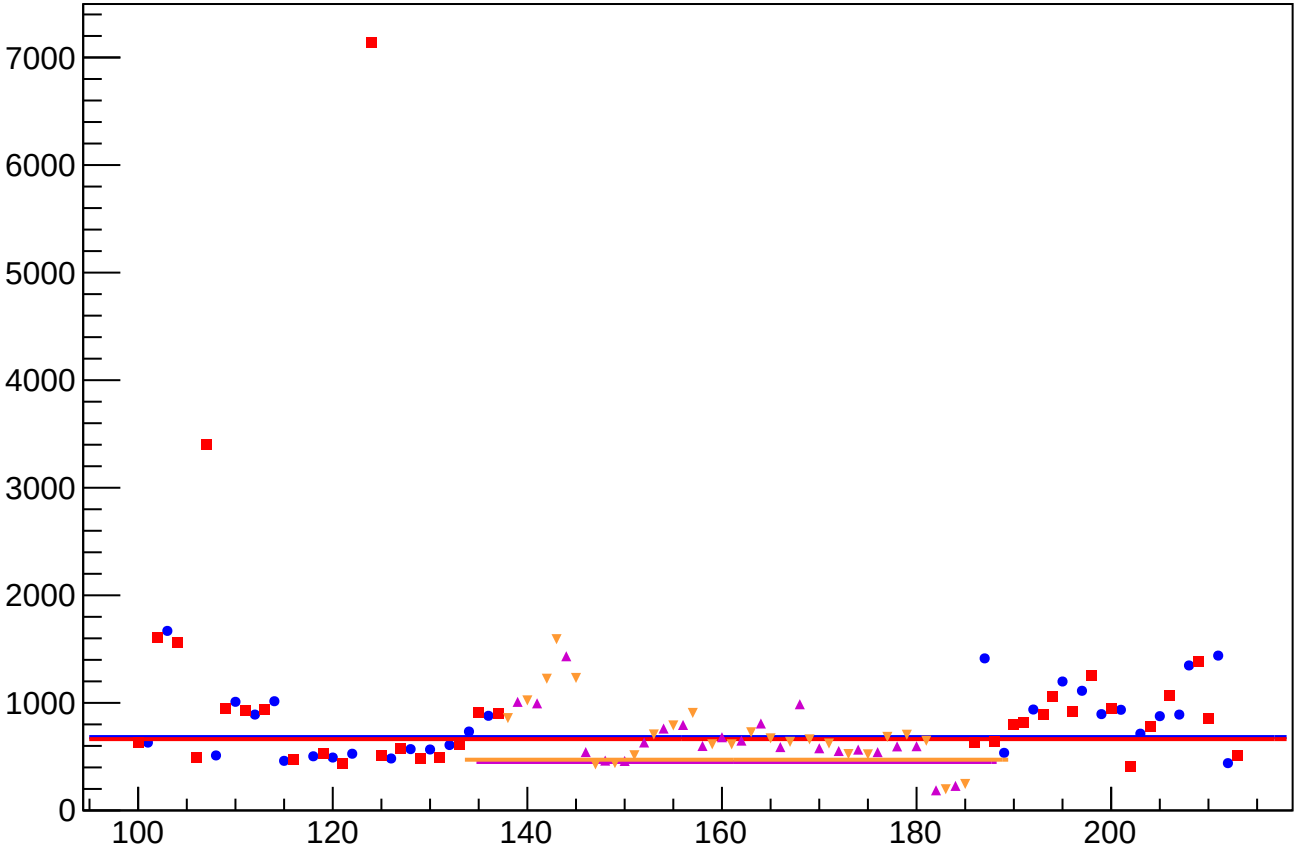
Right: -173.240+/-121.640 χ^2/NDF: 81.6/62

In: -145.375+/-98.920 χ^2/NDF:46.0/51

Out: -159.427+/-98.679 χ^2/NDF:86.3/58

All: -152.418+/-69.862 χ^2/NDF: 132.4/110

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 682.216+/-0.124 χ^2/NDF: 3951964.0/28

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

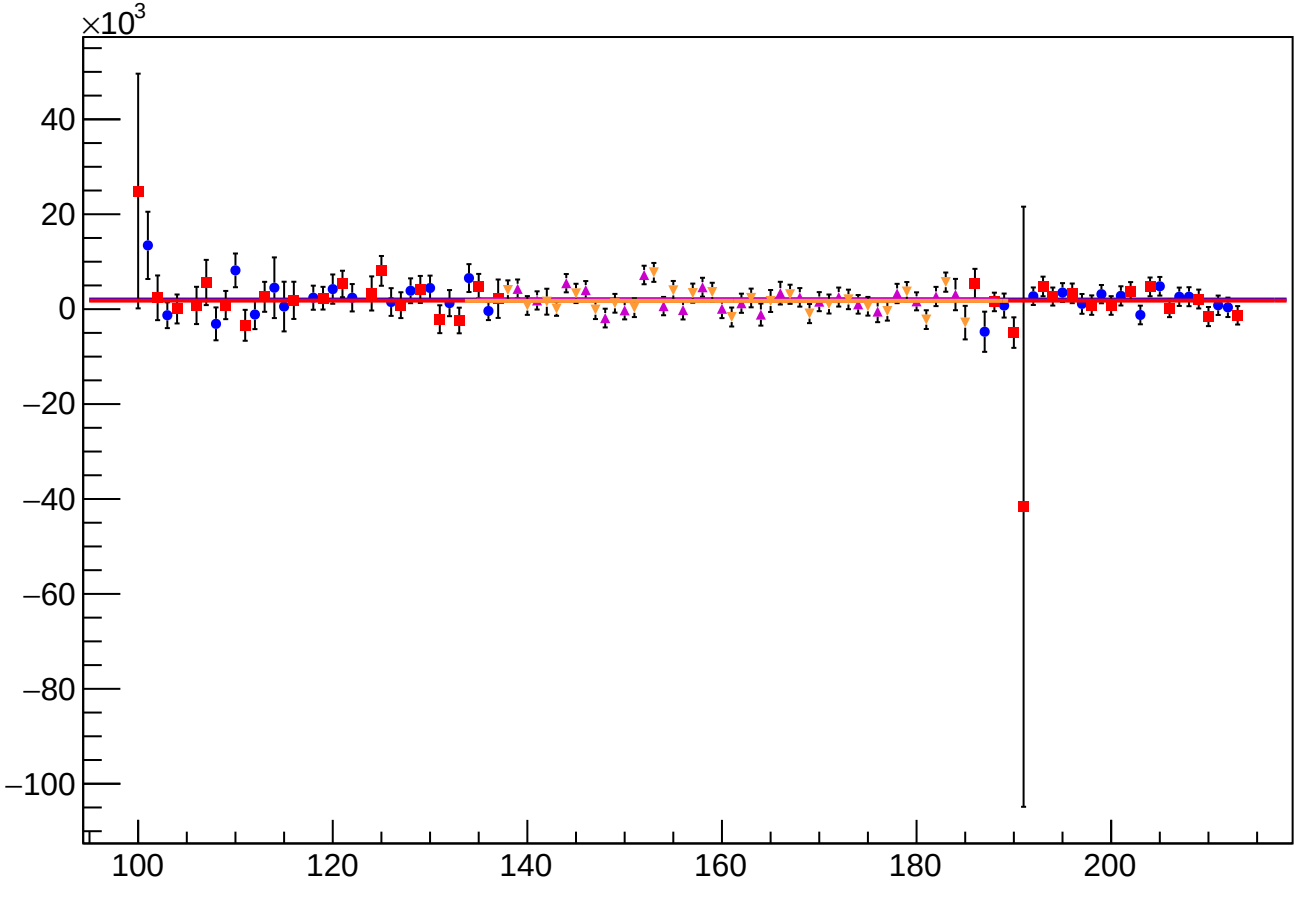
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 672.337+/-0.086 χ^2/NDF: 8963486.1/62

In: 524.263+/-0.070 χ^2/NDF:14256791.1/51

Out: 537.196+/-0.070 χ^2/NDF:14804919.6/58

All: 530.745+/-0.049 χ^2/NDF: 29078846.1/1



Right In: 2021.904+/-455.826 χ^2/NDF: 26.7/28

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

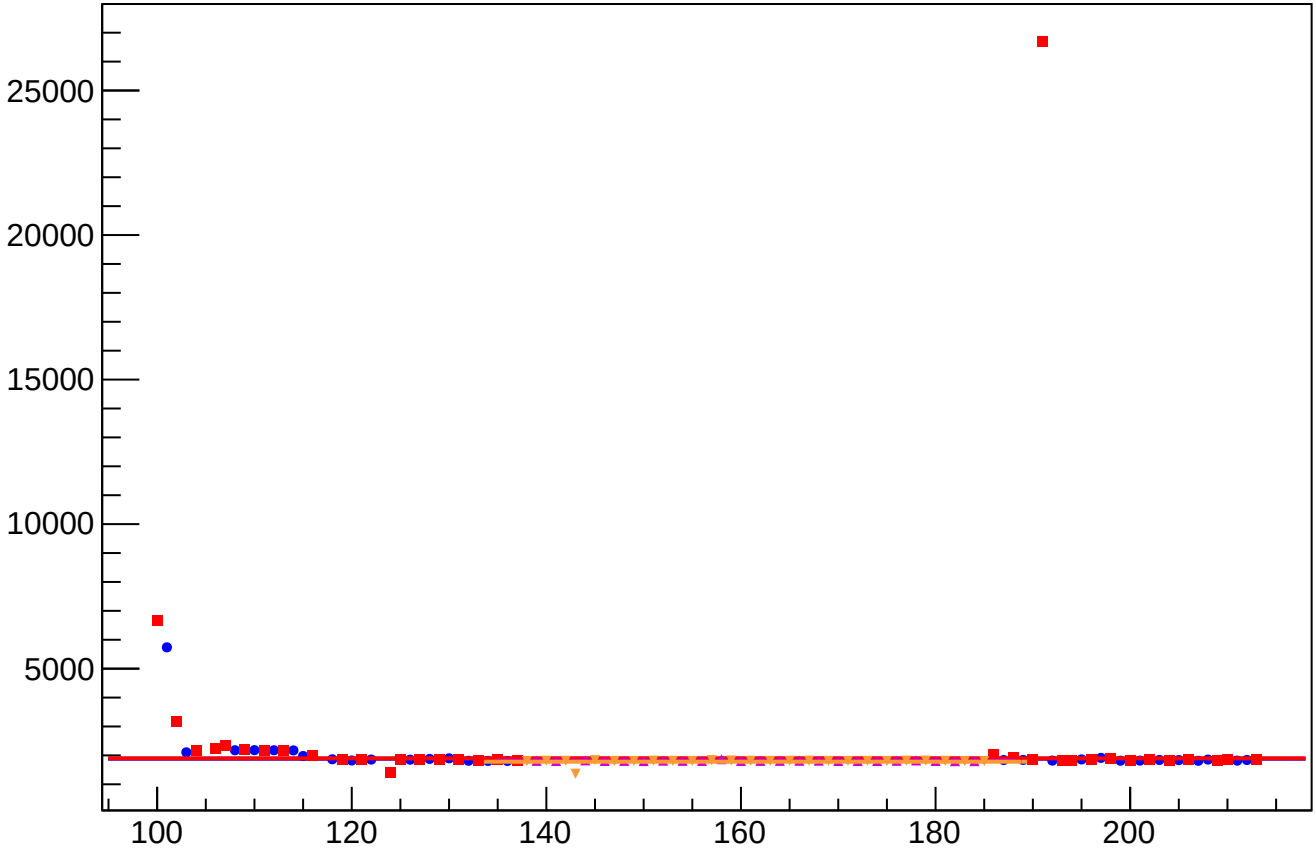
Right: 1908.591+/-317.276 χ^2/NDF: 62.4/62

In: 2049.555+/-310.317 χ^2/NDF:53.7/51

Out: 1776.794+/-298.731 χ^2/NDF:69.4/58

All: 1907.987+/-215.214 χ^2/NDF: 123.5/110

eigen_dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1885.238+/-0.322 χ^2/NDF: 679415.5/28

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

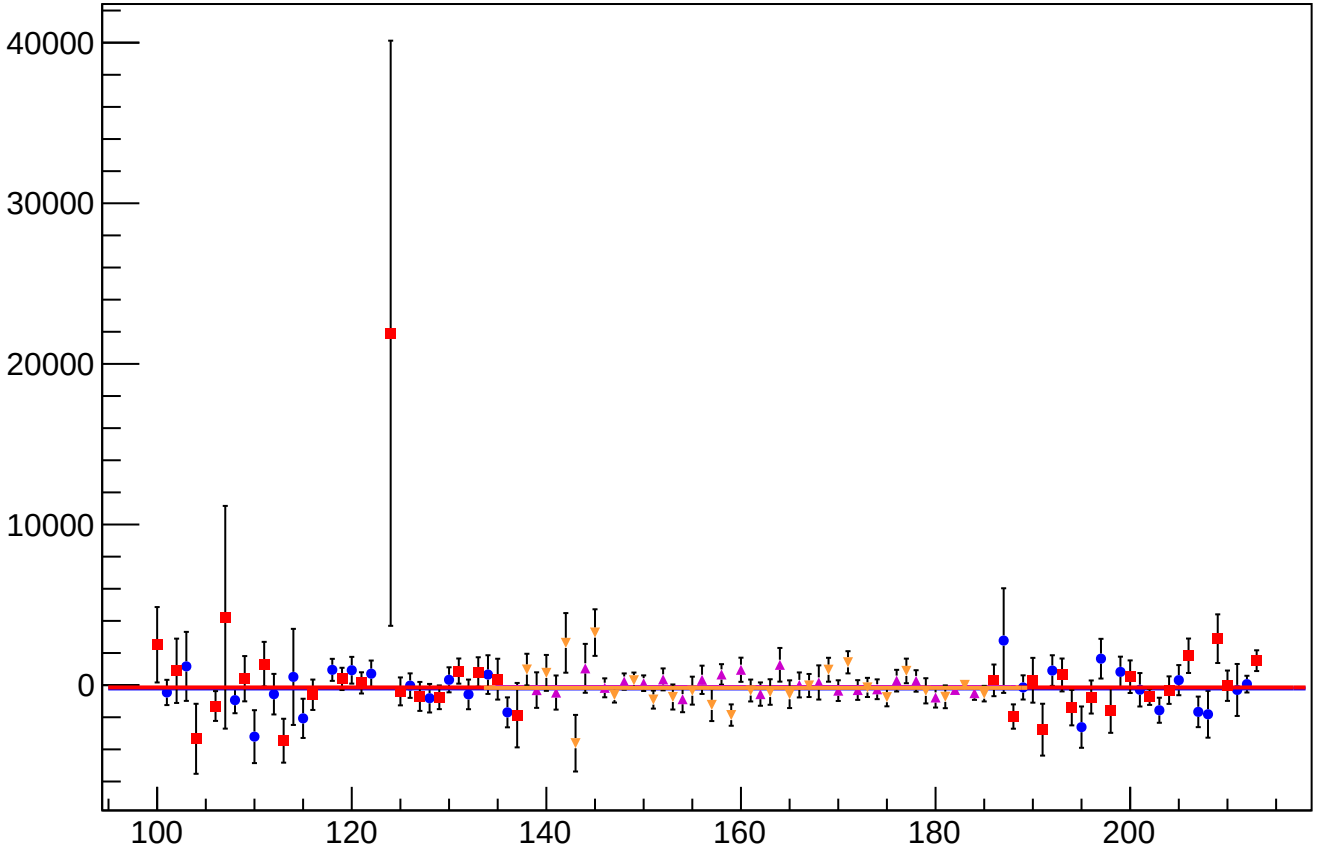
Right: 1891.457+/-0.224 χ^2/NDF: 1378273.3/62

In: 1847.249+/-0.219 χ^2/NDF:707401.0/51

Out: 1834.104+/-0.211 χ^2/NDF:938409.7/58

All: 1840.427+/-0.152 χ^2/NDF: 1647673.2/11

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -205.810+/-175.447 χ^2/NDF: 33.6/28

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

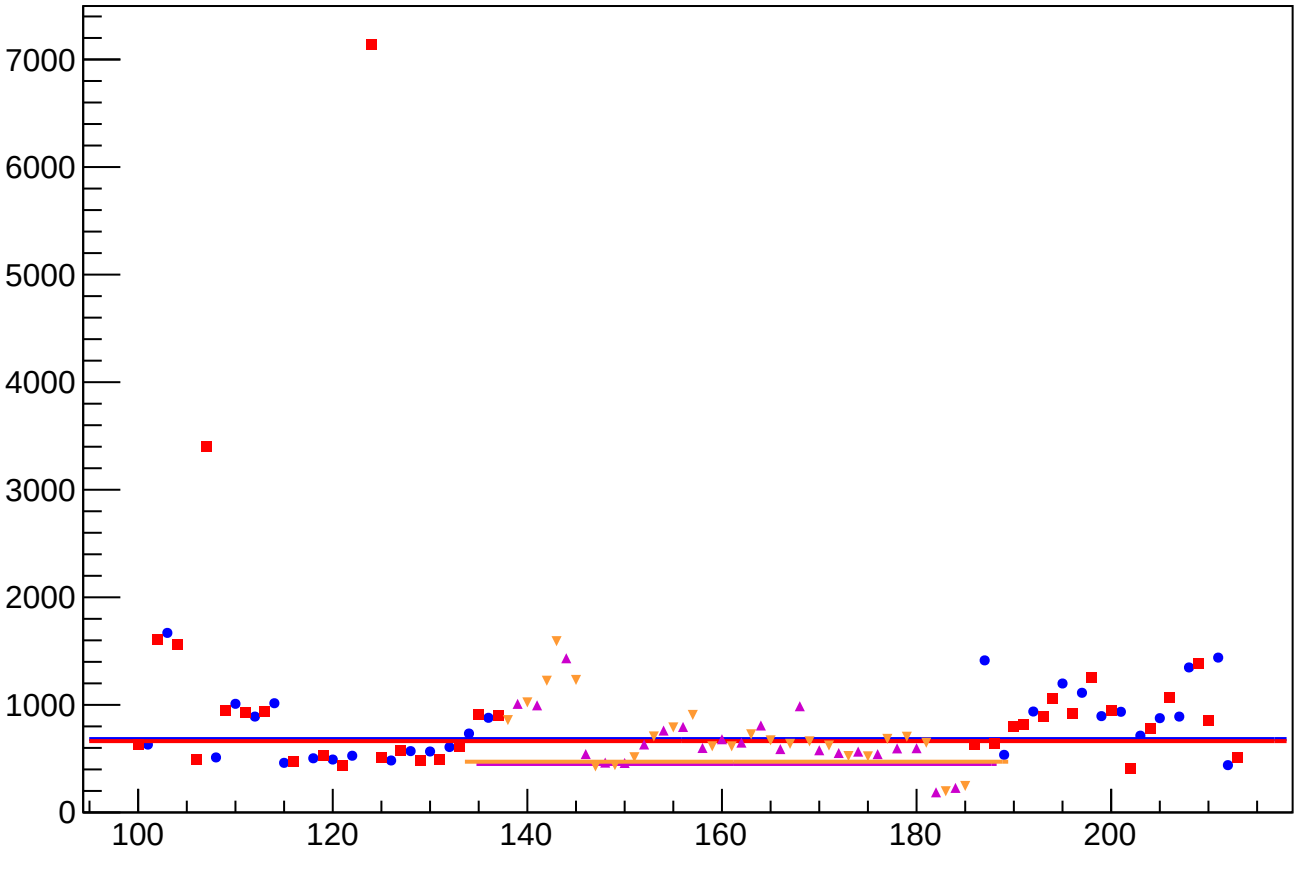
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -173.240+/-121.640 χ^2/NDF: 81.6/62

In: -145.376+/-98.920 χ^2/NDF:46.0/51

Out: -159.428+/-98.679 χ^2/NDF:86.3/58

All: -152.419+/-69.862 χ^2/NDF: 132.4/110



Right In: 682.216+/-0.124 χ^2/NDF: 3951992.5/28

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

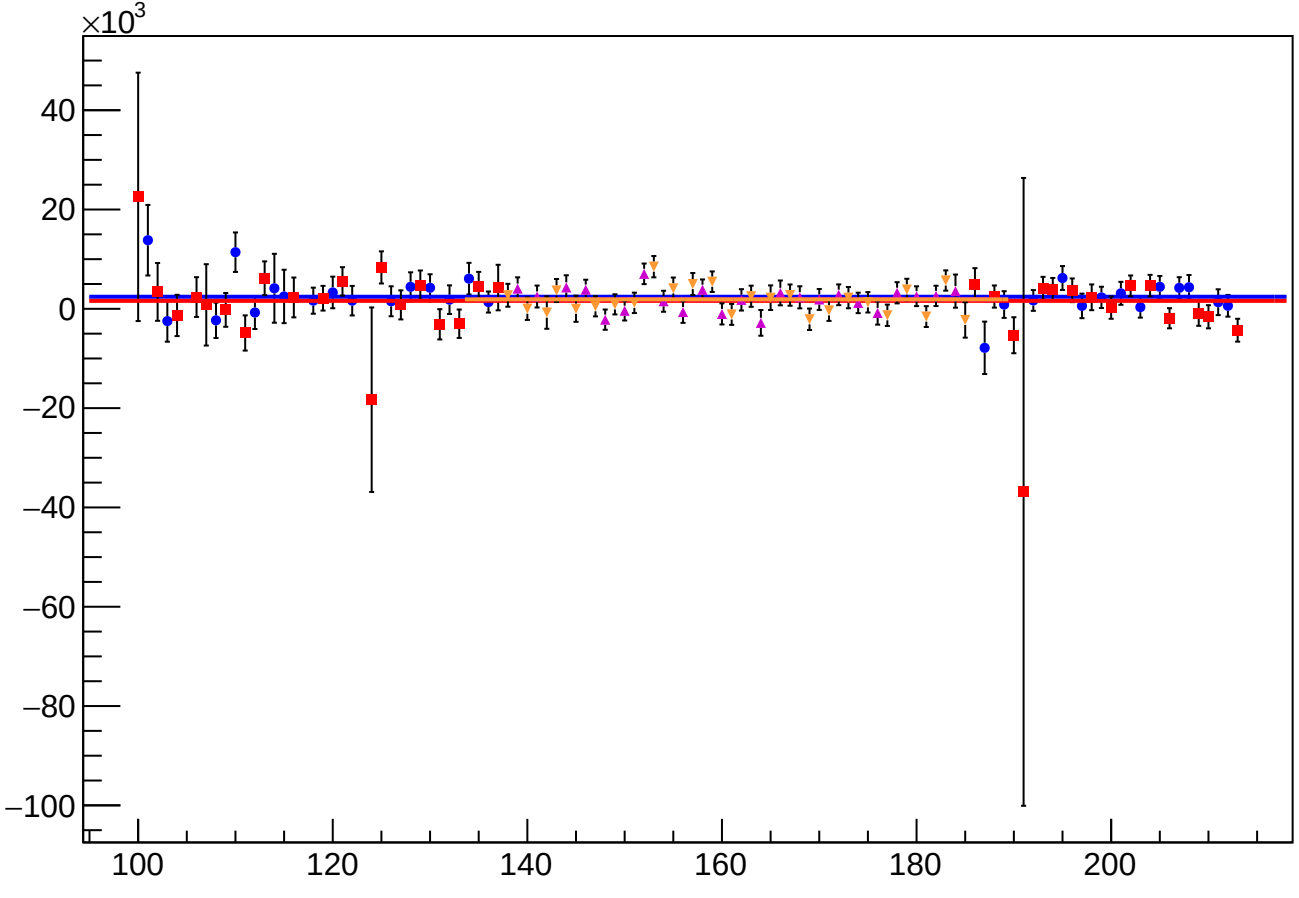
Right: 672.337+/-0.086 χ^2/NDF: 8963529.8/62

In: 524.264+/-0.070 χ^2/NDF:14256773.6/51

Out: 537.197+/-0.070 χ^2/NDF:14804921.3/58

All: 530.746+/-0.049 χ^2/NDF: 29078829.9/11

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2432.945+/-510.204 χ^2/NDF: 26.0/28

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

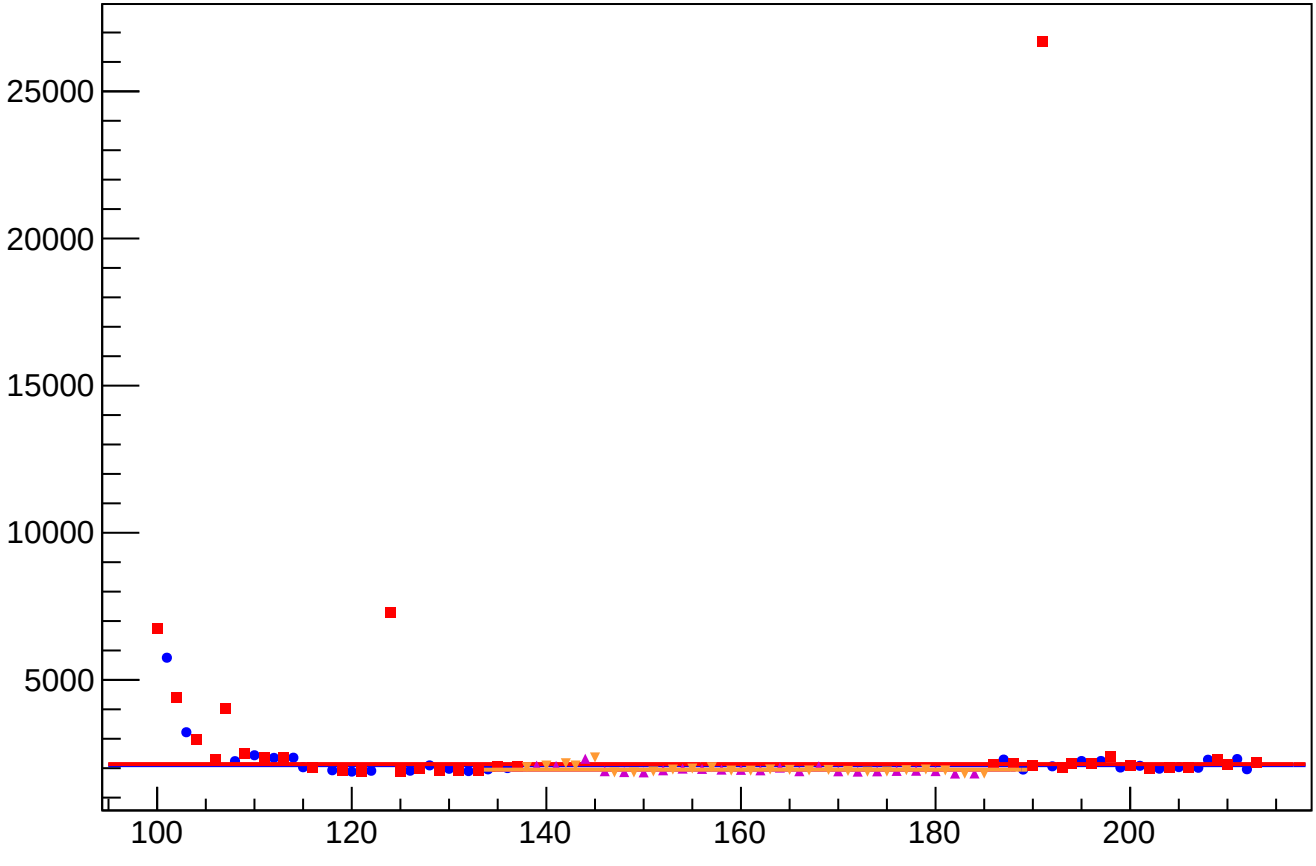
Right: 2011.918+/-357.406 χ^2/NDF: 74.4/62

In: 2150.824+/-339.530 χ^2/NDF:51.3/51

Out: 1775.005+/-332.037 χ^2/NDF:83.5/58

All: 1958.722+/-237.390 χ^2/NDF: 135.5/110

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2103.544+/-0.361 χ^2/NDF: 830549.0/28

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

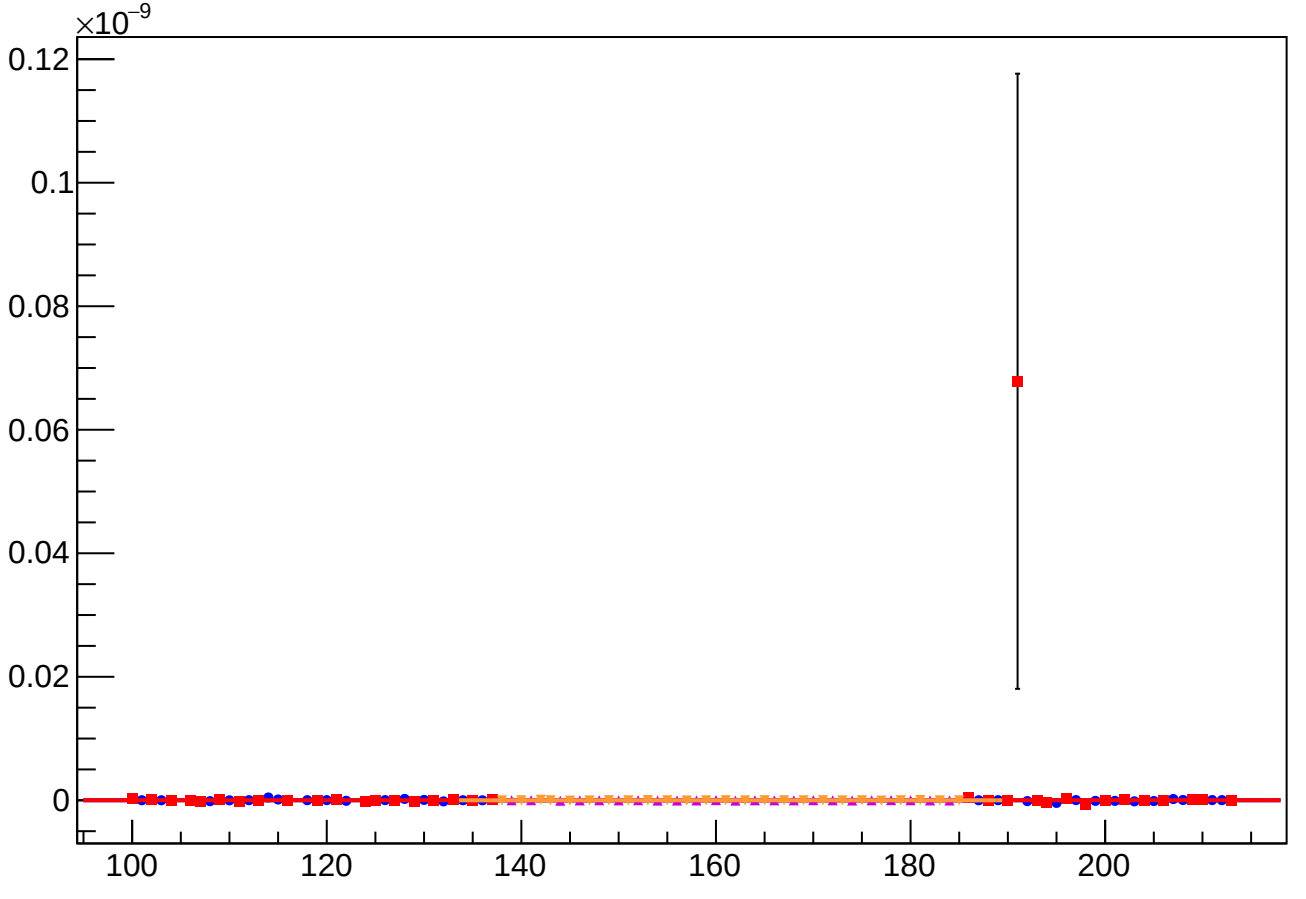
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2121.854+/-0.253 χ^2/NDF: 2022531.3/62

In: 2015.287+/-0.240 χ^2/NDF:1033922.8/51

Out: 2032.733+/-0.235 χ^2/NDF:1457619.0/58

All: 2024.204+/-0.168 χ^2/NDF: 2494240.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/28

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

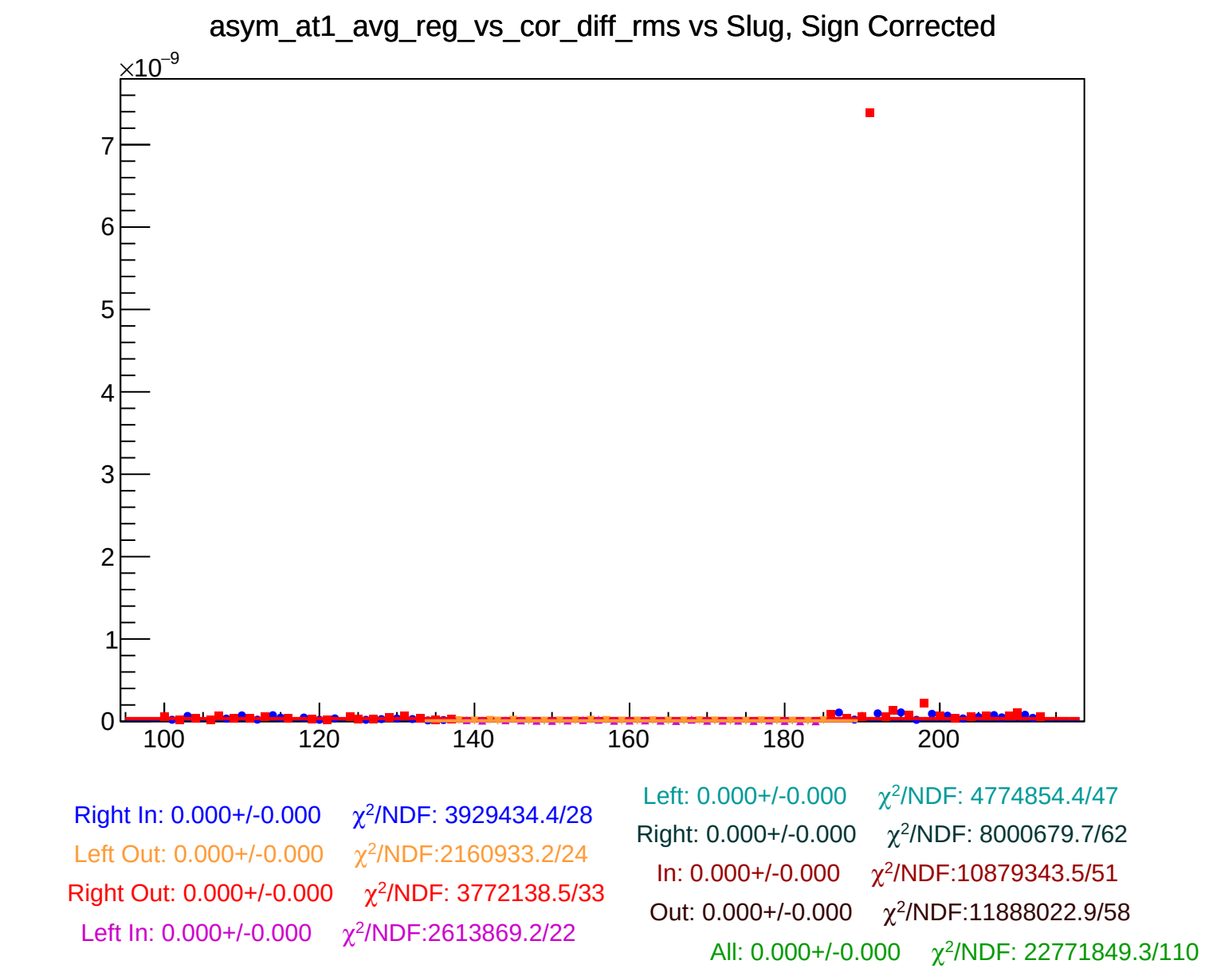
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 64.8/62

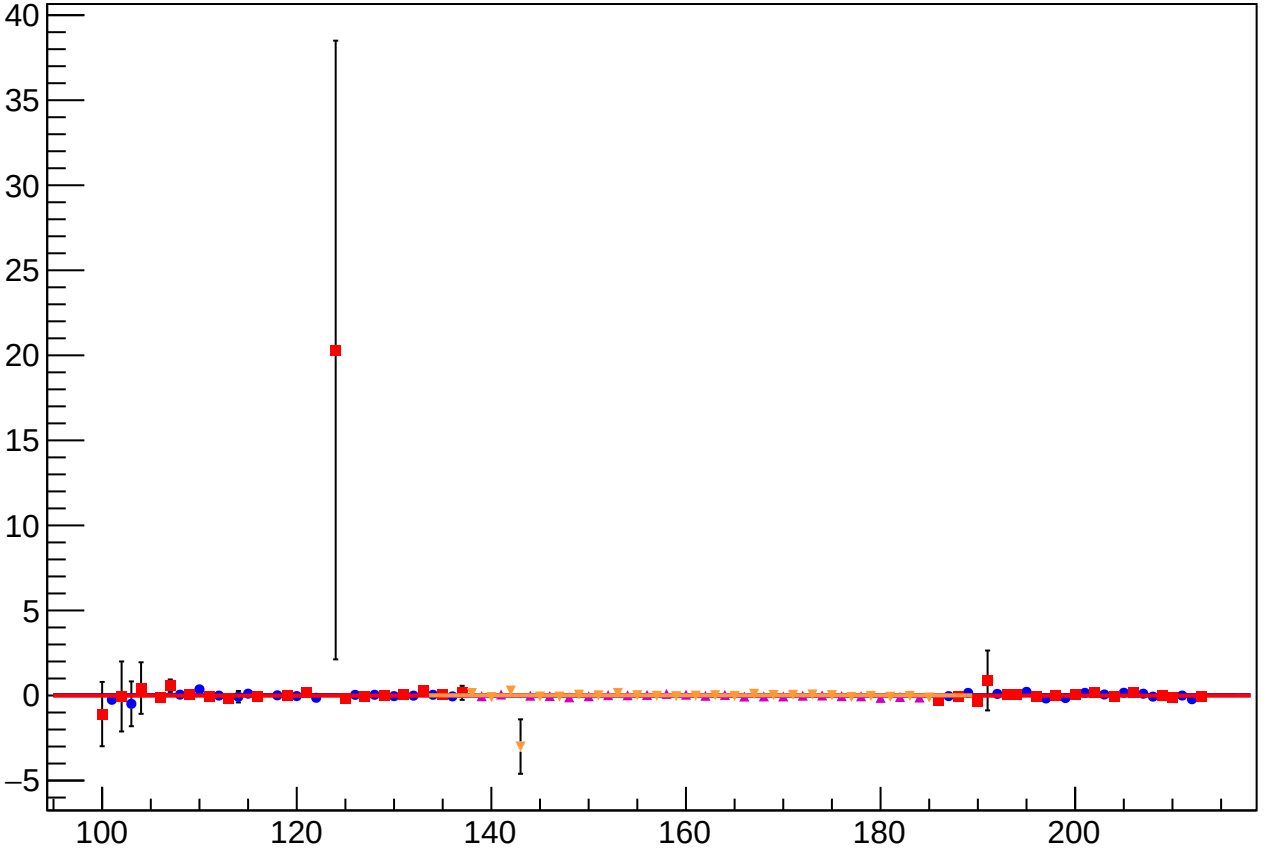
In: -0.000+/-0.000 χ^2/NDF:65.3/51

Out: 0.000+/-0.000 χ^2/NDF:60.5/58

All: -0.000+/-0.000 χ^2/NDF: 126.5/110


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: 3929434.4/28
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: 8000679.7/62
In: 0.000+/-0.000 χ²/NDF:10879343.5/51
Out: 0.000+/-0.000 χ²/NDF:11888022.9/58
All: 0.000+/-0.000 χ²/NDF: 22771849.3/110

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.020 χ^2/NDF: 25.4/28

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

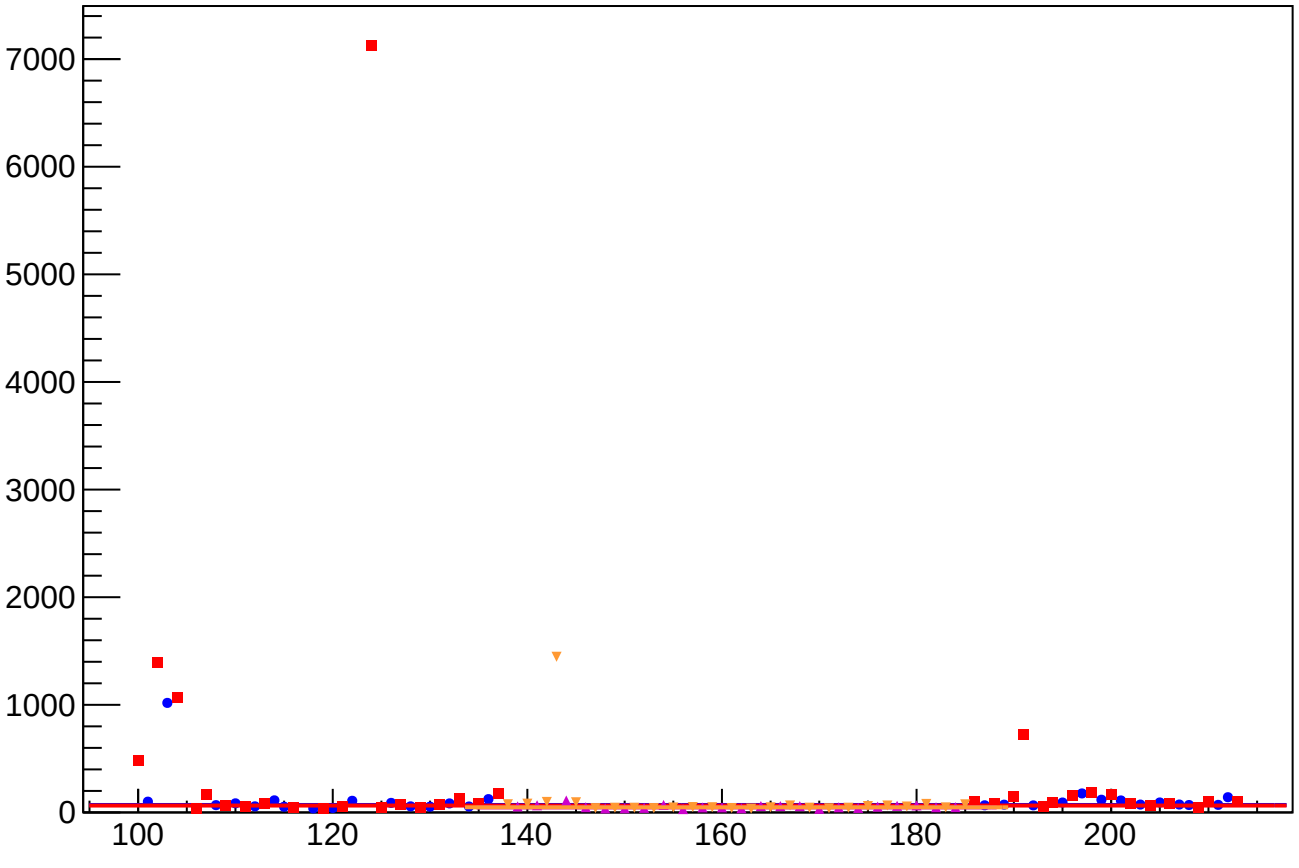
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.007+/-0.014 χ^2/NDF: 57.7/62

In: -0.007+/-0.010 χ^2/NDF:48.8/51

Out: 0.005+/-0.010 χ^2/NDF:61.4/58

All: -0.001+/-0.007 χ^2/NDF: 110.9/110



Right In: 69.437+/-0.014 χ^2/NDF: 4211771.2/28

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

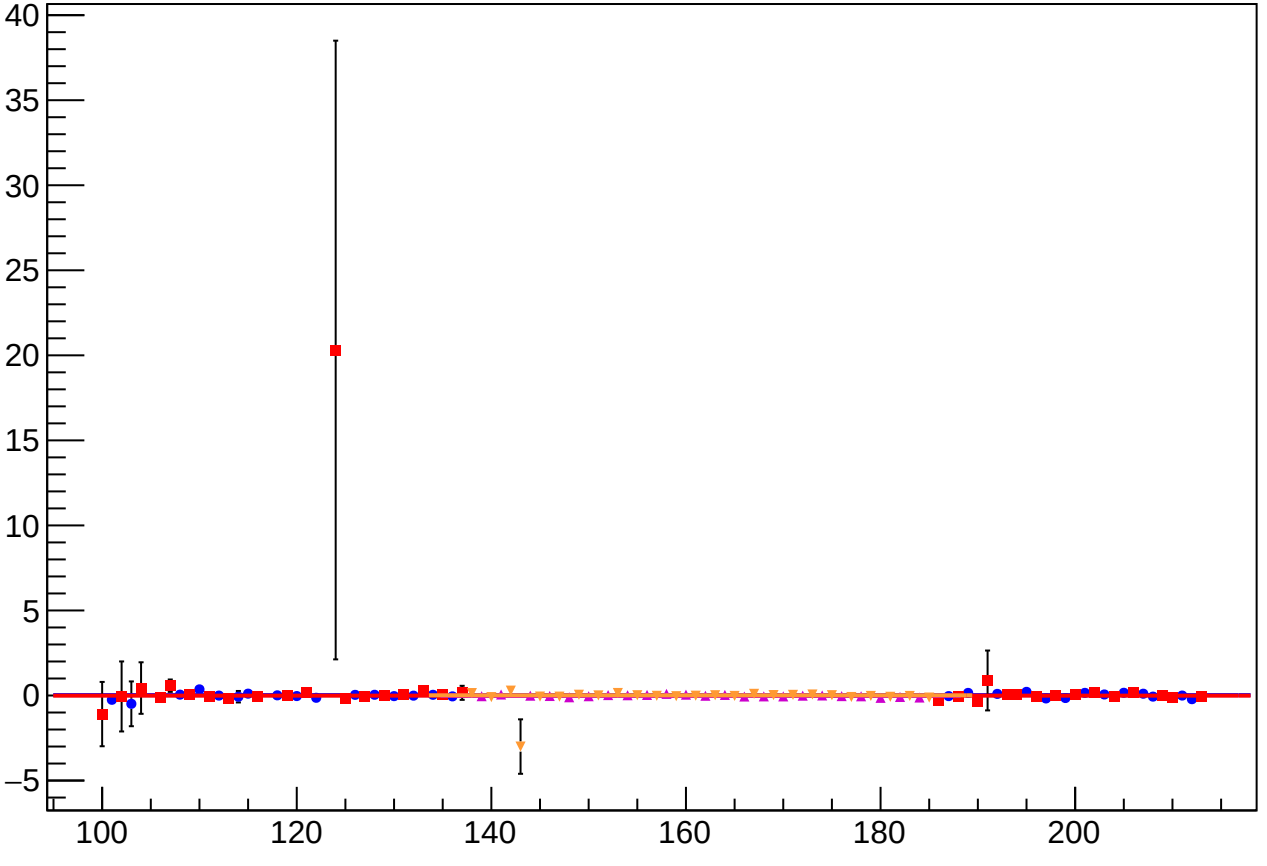
Right: 66.653+/-0.010 χ^2/NDF: 11034215.0/62

In: 53.004+/-0.007 χ^2/NDF:8037246.7/51

Out: 52.844+/-0.007 χ^2/NDF:11283489.0/58

All: 52.923+/-0.005 χ^2/NDF: 19320973.9/110

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.020 χ^2/NDF: 25.4/28

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

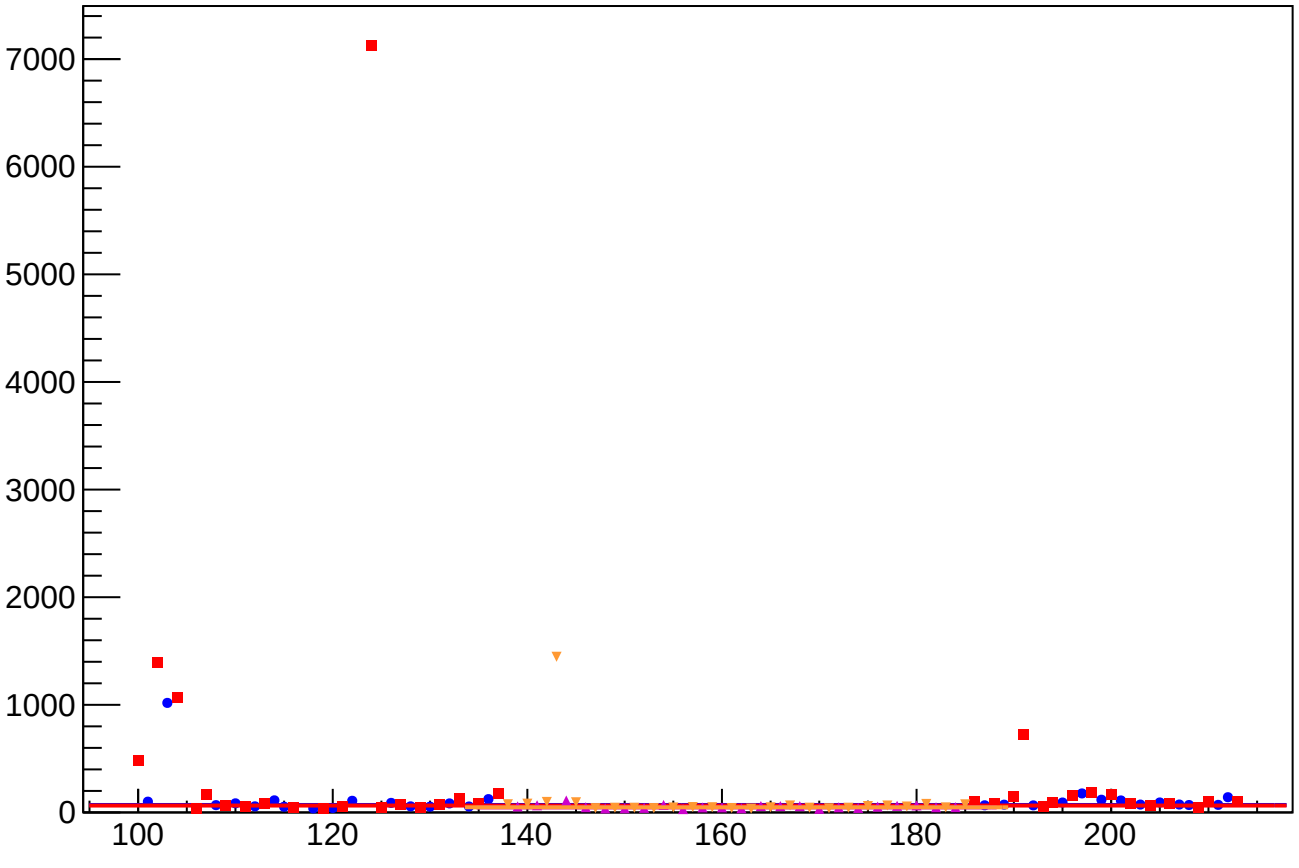
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.007+/-0.014 χ^2/NDF: 57.7/62

In: -0.007+/-0.010 χ^2/NDF:48.8/51

Out: 0.005+/-0.010 χ^2/NDF:61.4/58

All: -0.001+/-0.007 χ^2/NDF: 110.9/110



Right In: 69.437+/-0.014 χ^2/NDF: 4211771.2/28

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

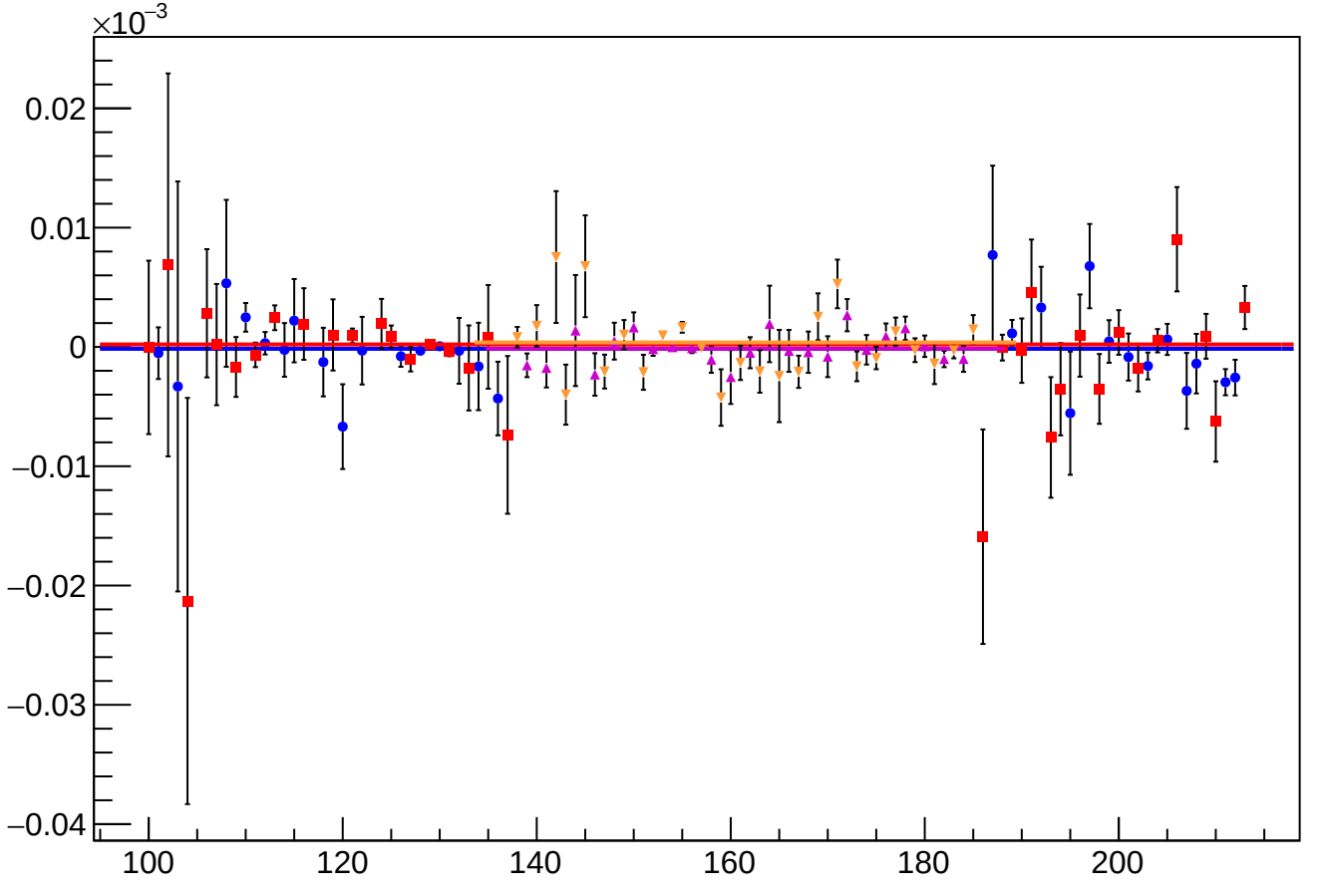
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 66.653+/-0.010 χ^2/NDF: 11034215.0/62

In: 53.004+/-0.007 χ^2/NDF:8037246.7/51

Out: 52.844+/-0.007 χ^2/NDF:11283489.0/58

All: 52.923+/-0.005 χ^2/NDF: 19320973.9/110



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/28

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

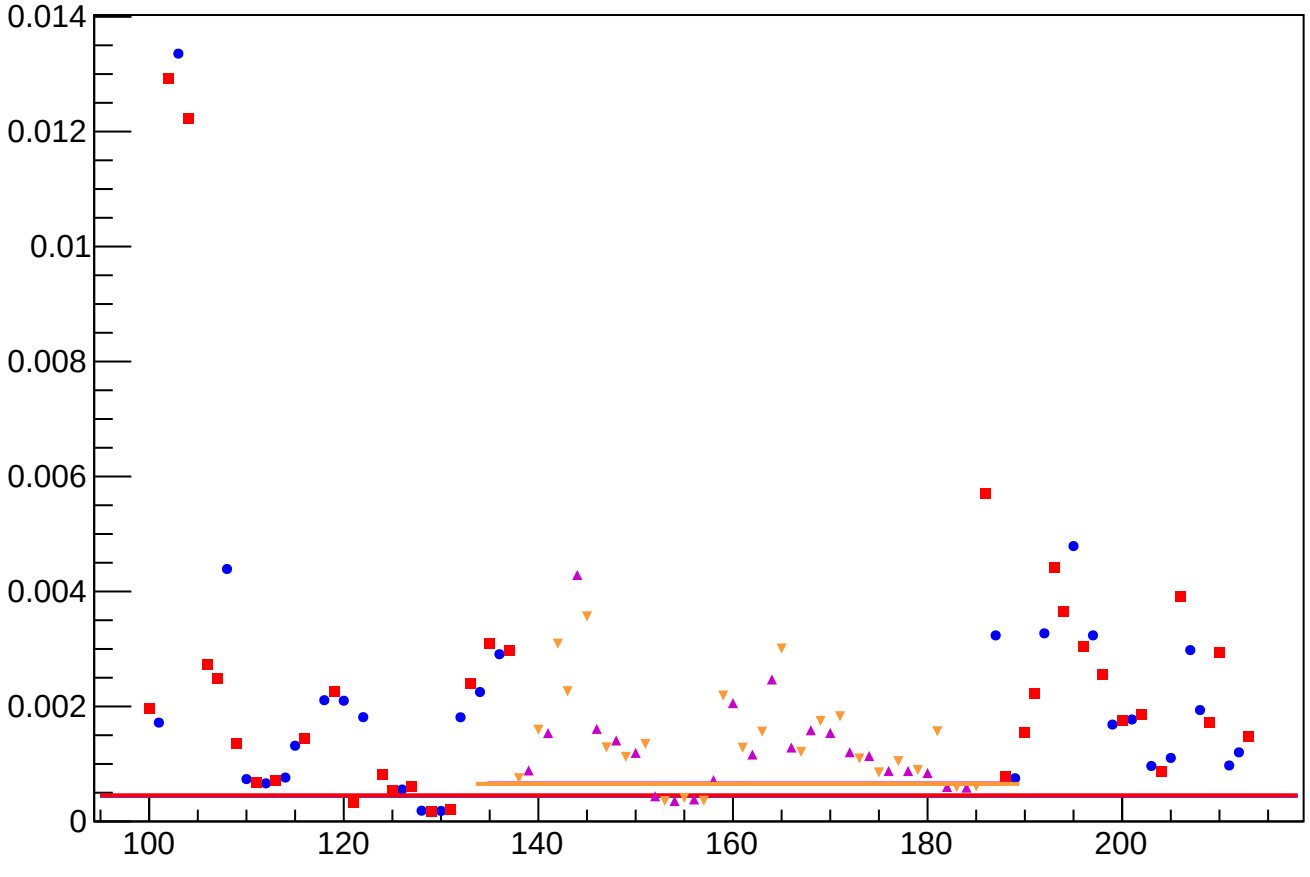
Right: 0.000+/-0.000 χ^2/NDF: 73.5/62

In: -0.000+/-0.000 χ^2/NDF:54.2/51

Out: 0.000+/-0.000 χ^2/NDF:89.3/58

All: 0.000+/-0.000 χ^2/NDF: 149.3/110

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19983407.0/28

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

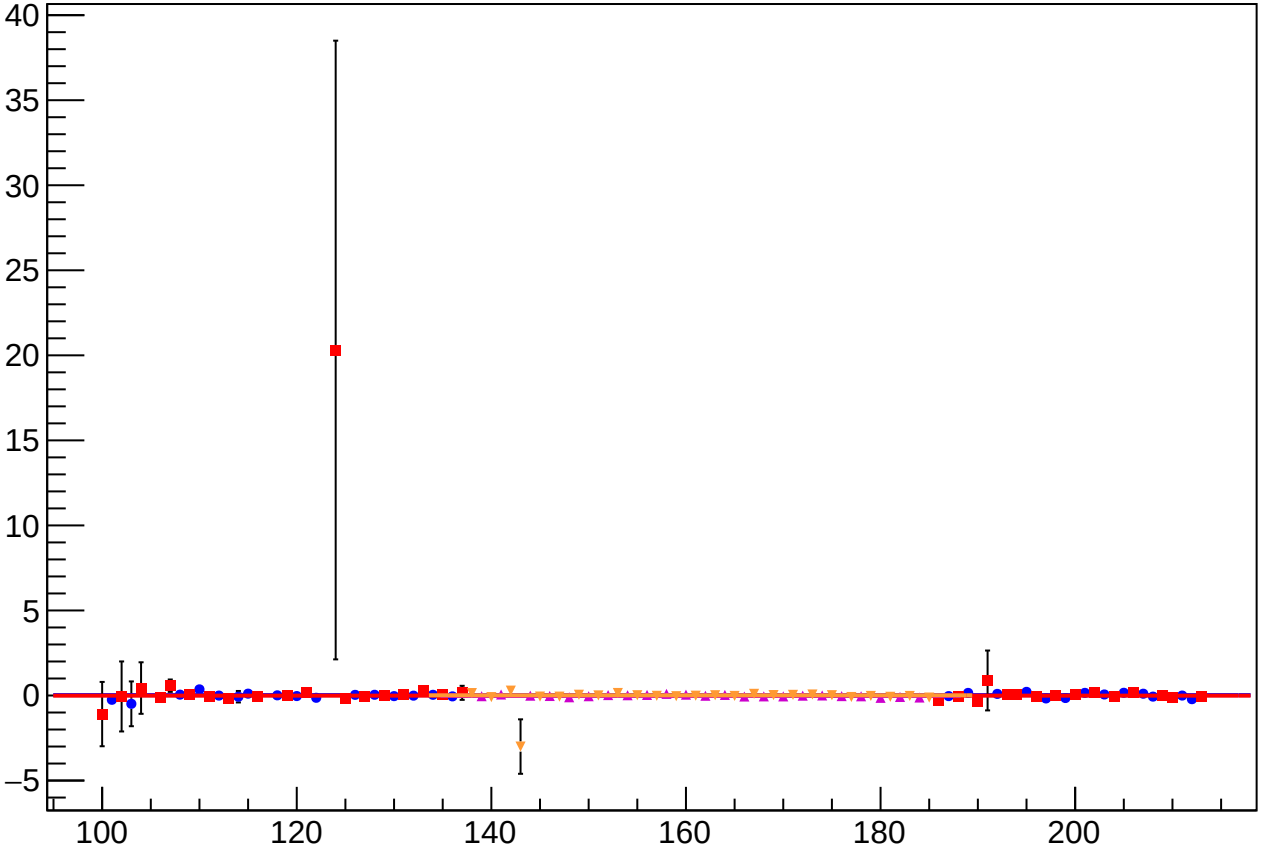
Right: 0.000+/-0.000 χ^2/NDF: 41497012.2/62

In: 0.001+/-0.000 χ^2/NDF:31034016.3/51

Out: 0.001+/-0.000 χ^2/NDF:34813081.9/58

All: 0.001+/-0.000 χ^2/NDF: 65847942.0/110

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.020 χ^2/NDF: 25.4/28

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

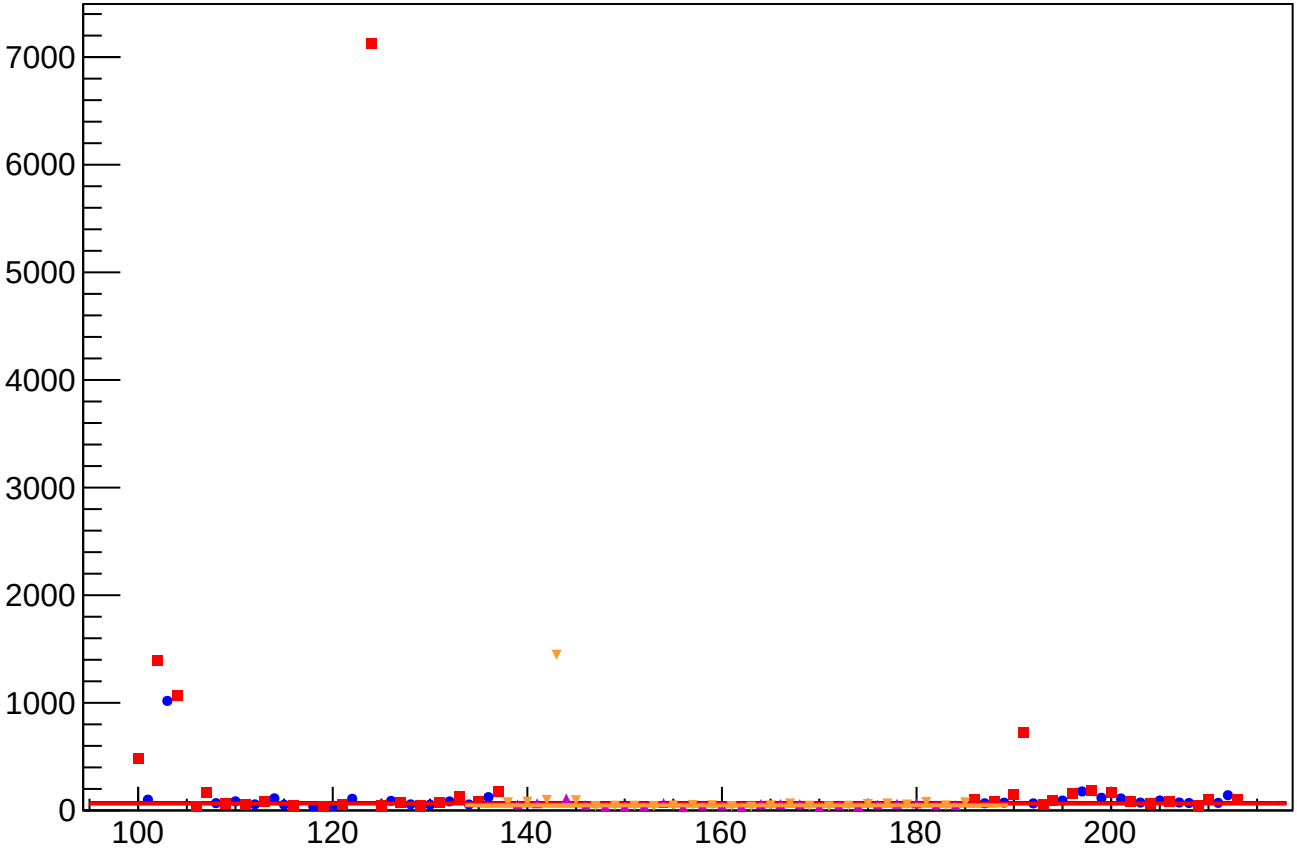
Right: 0.007+/-0.014 χ^2/NDF: 57.7/62

In: -0.007+/-0.010 χ^2/NDF:48.8/51

Out: 0.005+/-0.010 χ^2/NDF:61.4/58

All: -0.001+/-0.007 χ^2/NDF: 110.9/110

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.438+/-0.014 χ^2/NDF: 4211830.6/28

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

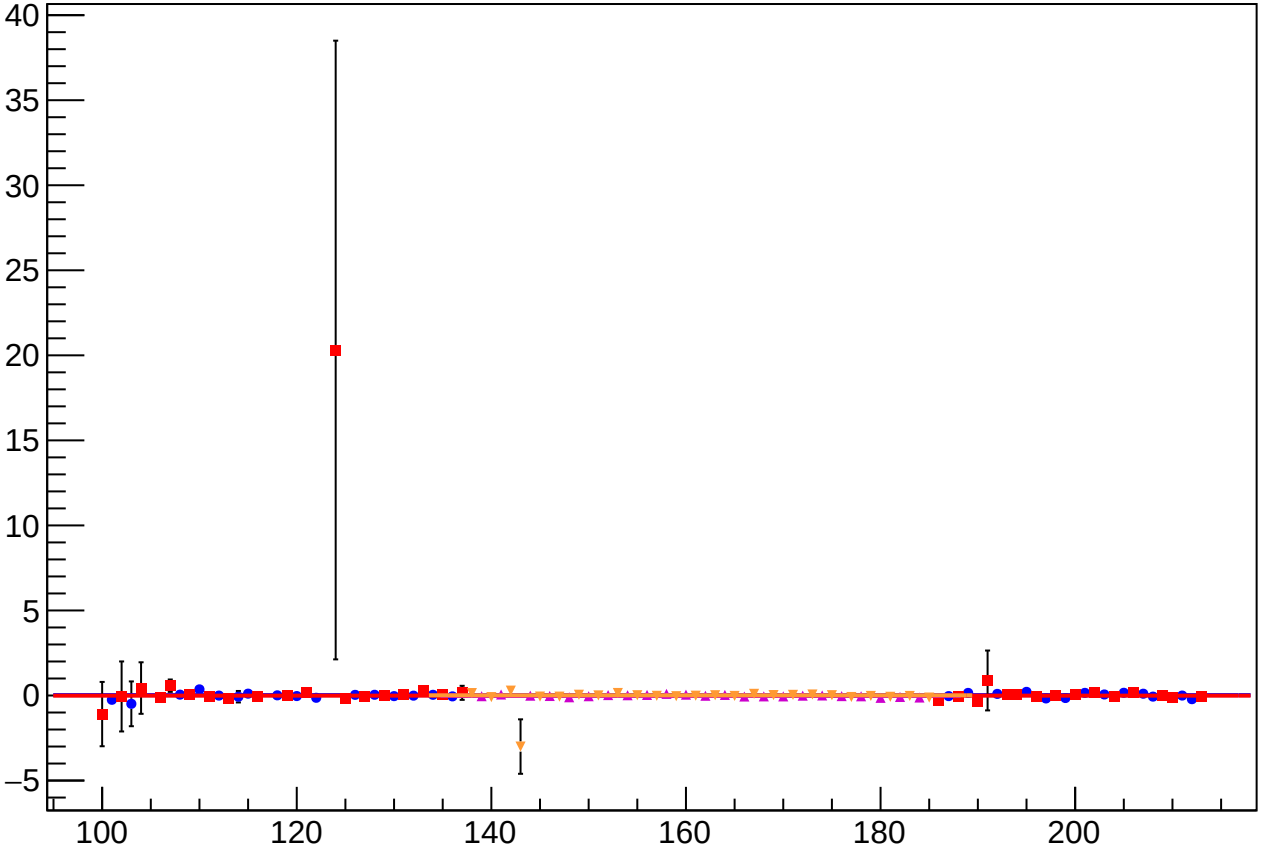
Right: 66.652+/-0.010 χ^2/NDF: 11034526.0/62

In: 53.004+/-0.007 χ^2/NDF:8037324.0/51

Out: 52.844+/-0.007 χ^2/NDF:11283560.9/58

All: 52.923+/-0.005 χ^2/NDF: 19321123.2/110

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.020 χ^2/NDF: 25.4/28

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

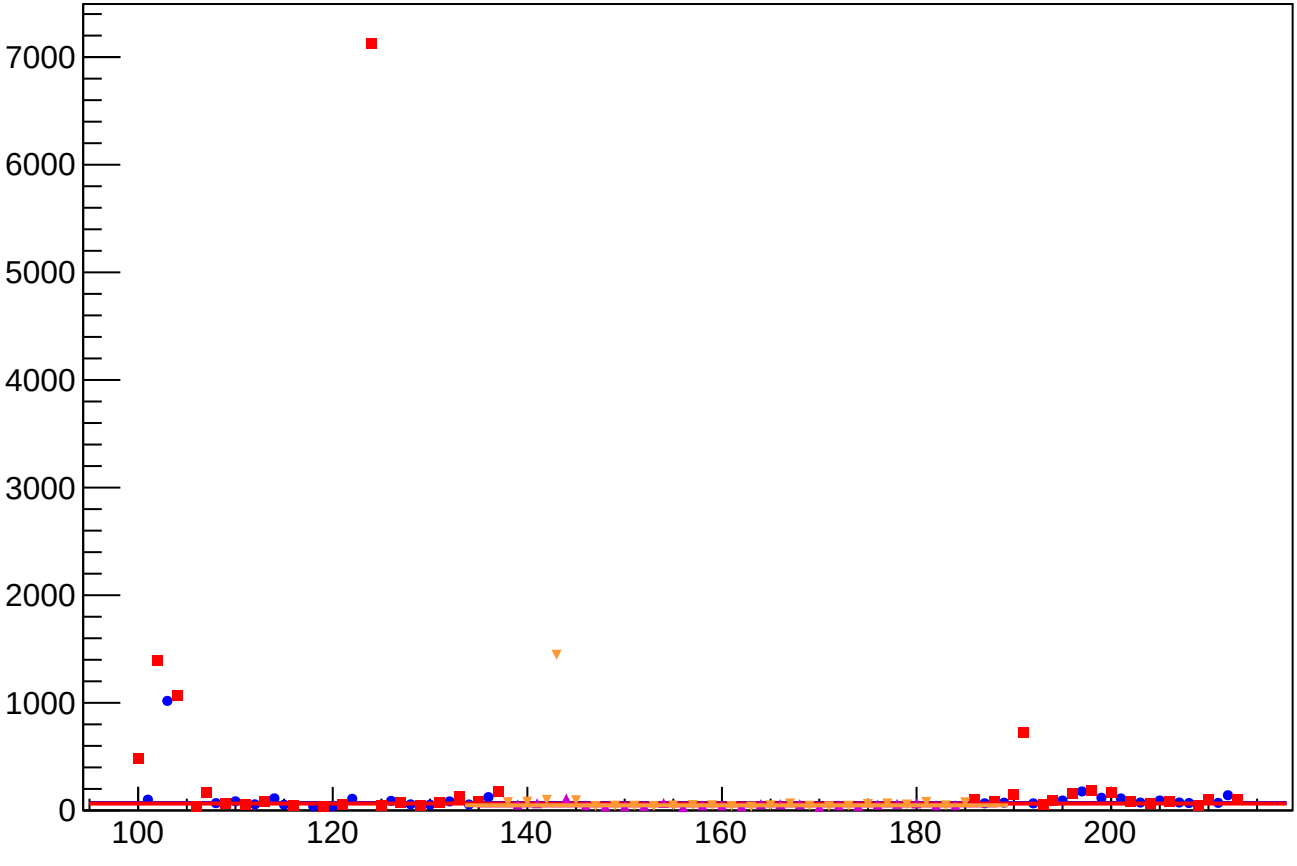
Right: 0.007+/-0.014 χ^2/NDF: 57.7/62

In: -0.007+/-0.010 χ^2/NDF:48.8/51

Out: 0.005+/-0.010 χ^2/NDF:61.4/58

All: -0.001+/-0.007 χ^2/NDF: 110.9/110

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.438+/-0.014 χ^2/NDF: 4211830.6/28

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

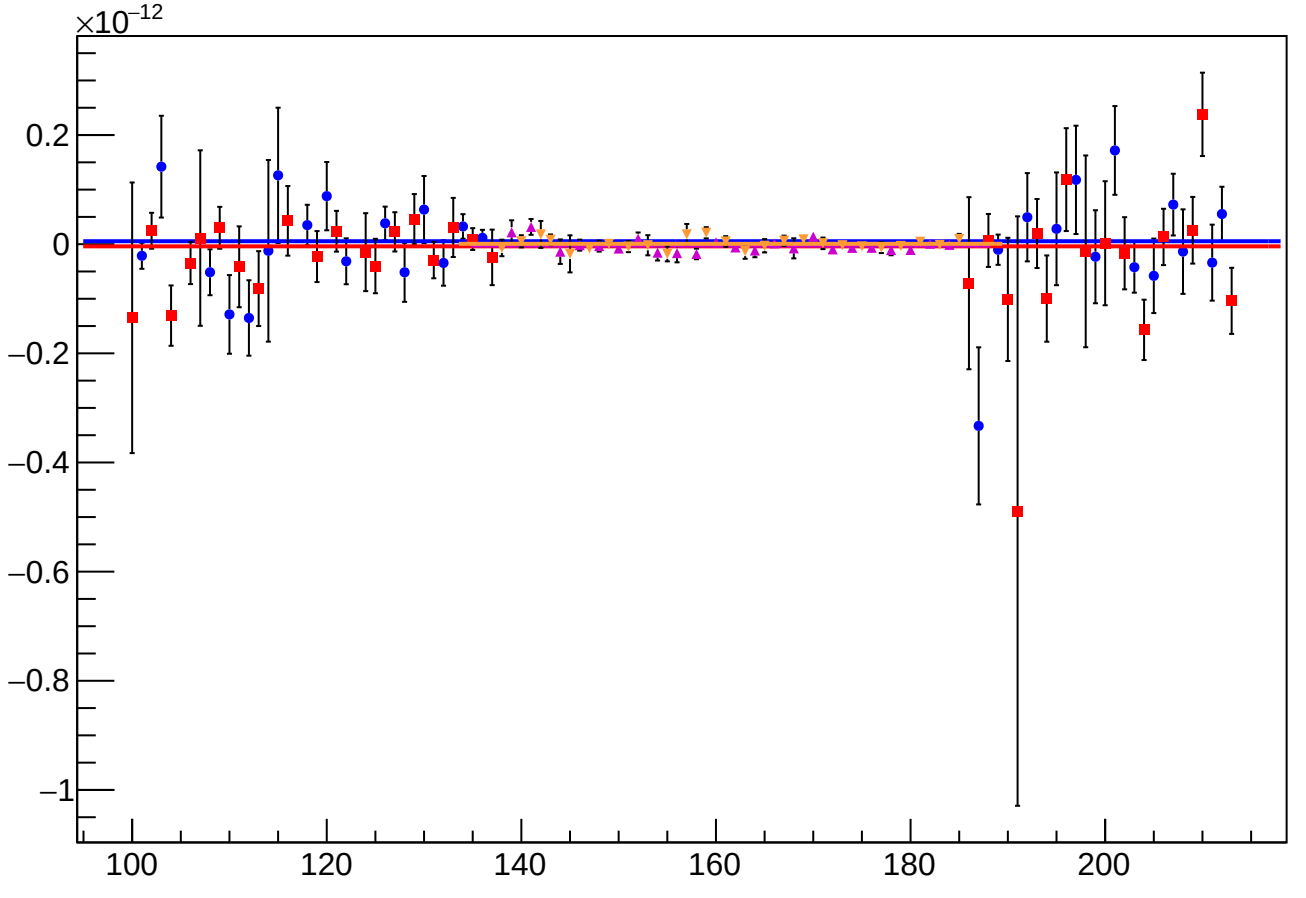
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 66.652+/-0.010 χ^2/NDF: 11034526.0/62

In: 53.004+/-0.007 χ^2/NDF:8037324.0/51

Out: 52.844+/-0.007 χ^2/NDF:11283560.9/58

All: 52.923+/-0.005 χ^2/NDF: 19321123.2/110



Right In: 0.000+/-0.000 χ^2/NDF: 39.1/28

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

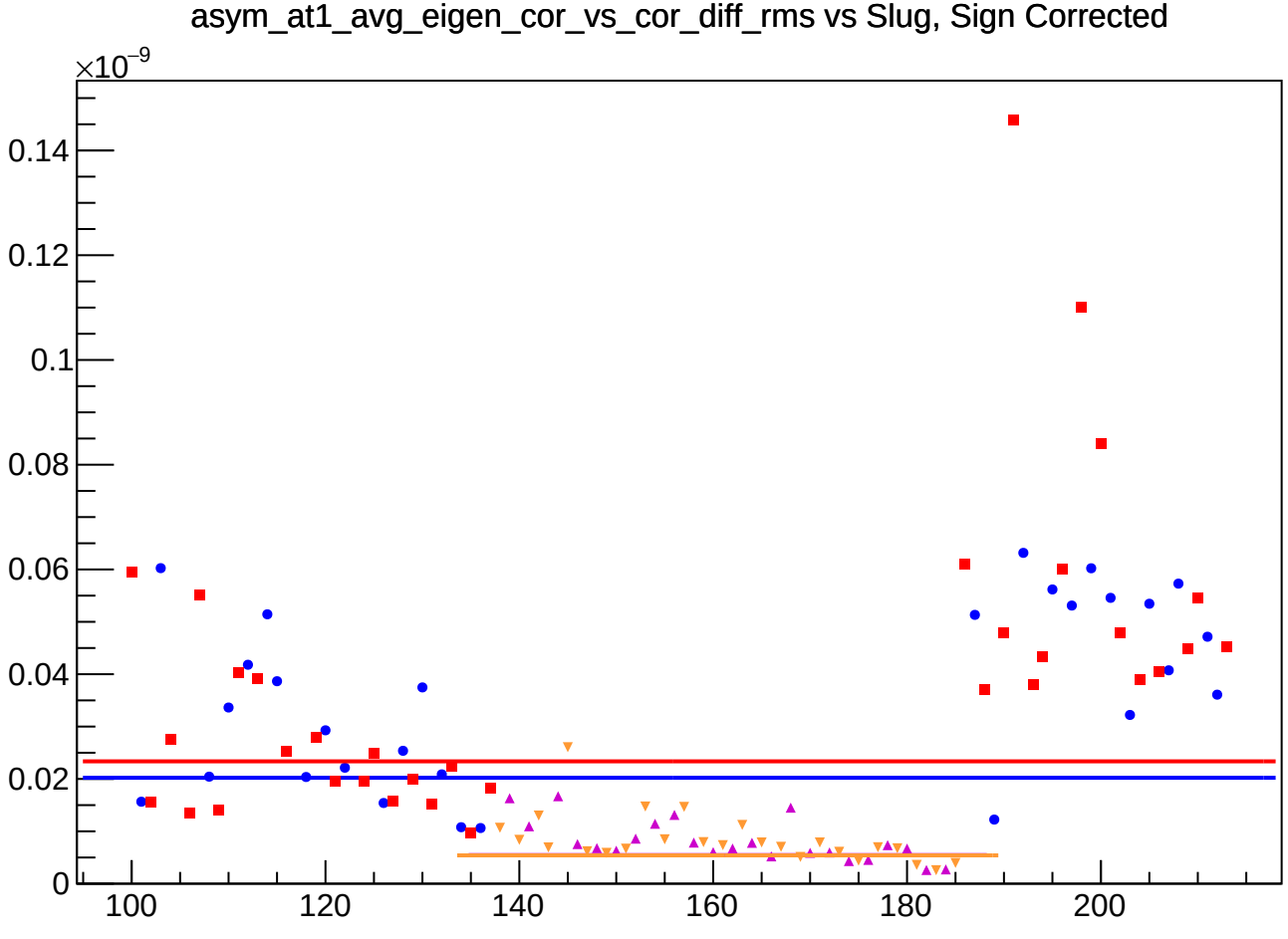
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 80.0/62

In: -0.000+/-0.000 χ^2/NDF:61.9/51

Out: 0.000+/-0.000 χ^2/NDF:55.6/58

All: -0.000+/-0.000 χ^2/NDF: 118.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 6215895.6/28

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

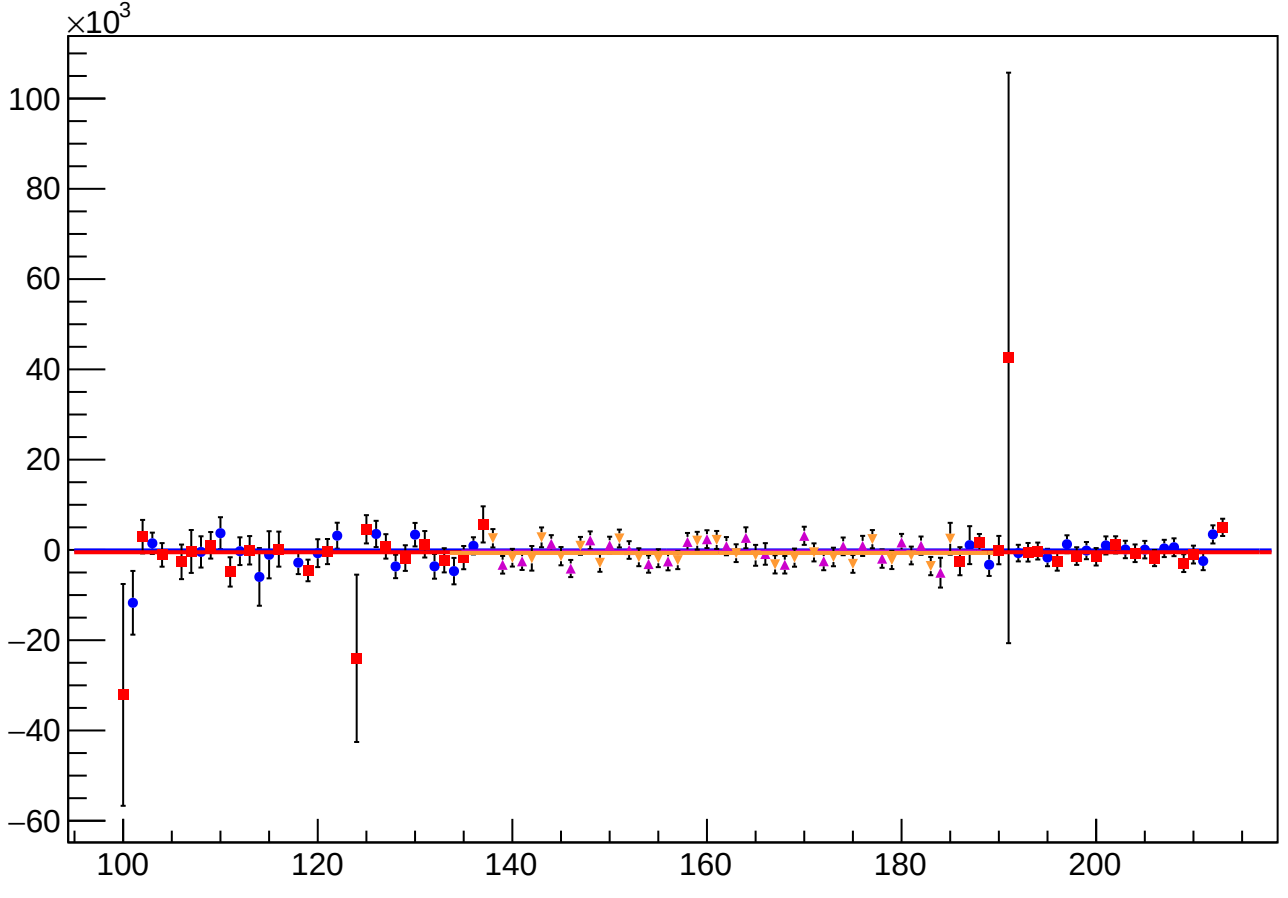
Right: 0.000+/-0.000 χ^2/NDF: 11858862.2/62

In: 0.000+/-0.000 χ^2/NDF:18204424.3/51

Out: 0.000+/-0.000 χ^2/NDF:18878696.2/58

All: 0.000+/-0.000 χ^2/NDF: 37089894.7/110

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -106.810+/-448.553 χ^2/NDF: 25.2/28

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

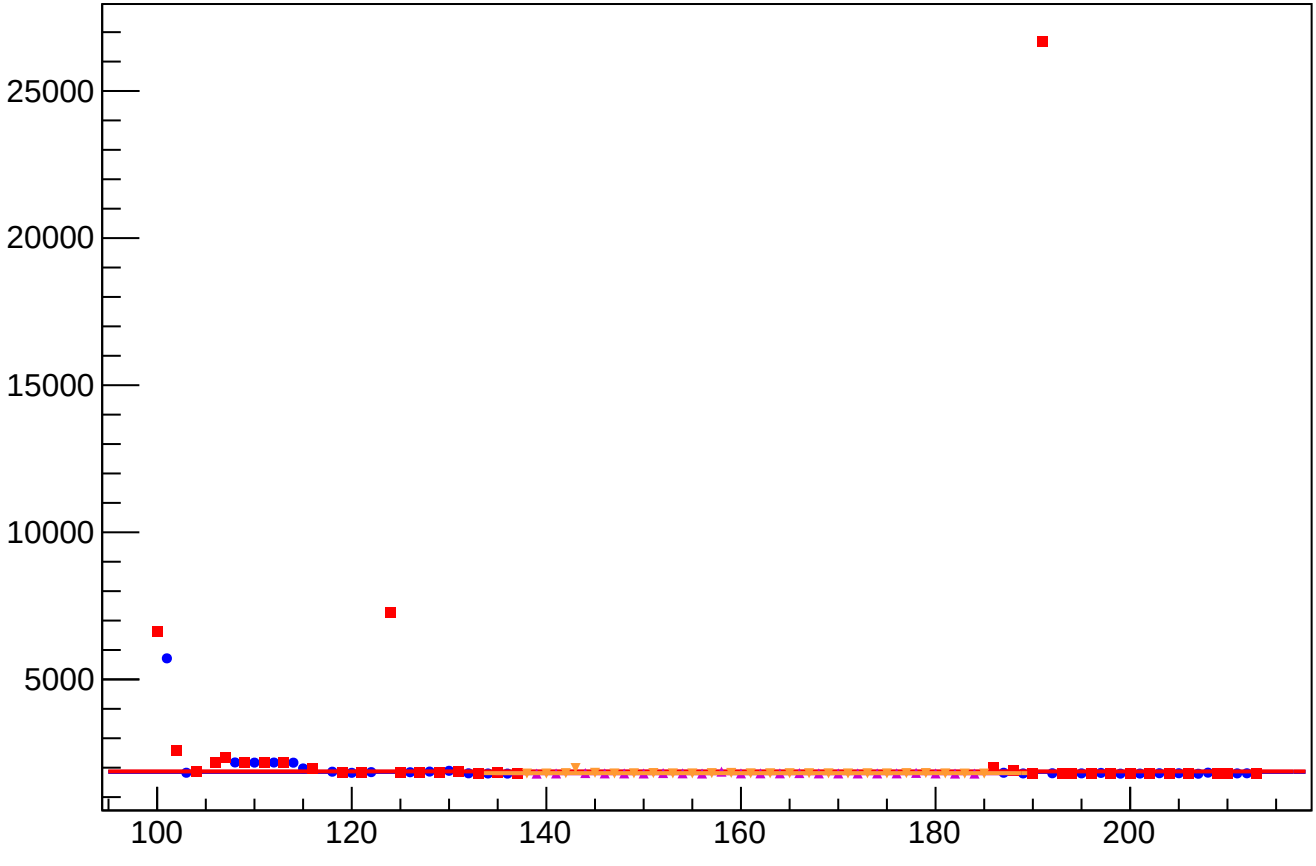
Right: -316.737+/-312.690 χ^2/NDF: 56.4/62

In: -231.875+/-307.632 χ^2/NDF:55.4/51

Out: -596.982+/-299.574 χ^2/NDF:55.5/58

All: -419.273+/-214.623 χ^2/NDF: 111.7/110

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1855.513+/-0.317 χ^2/NDF: 677074.6/28

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

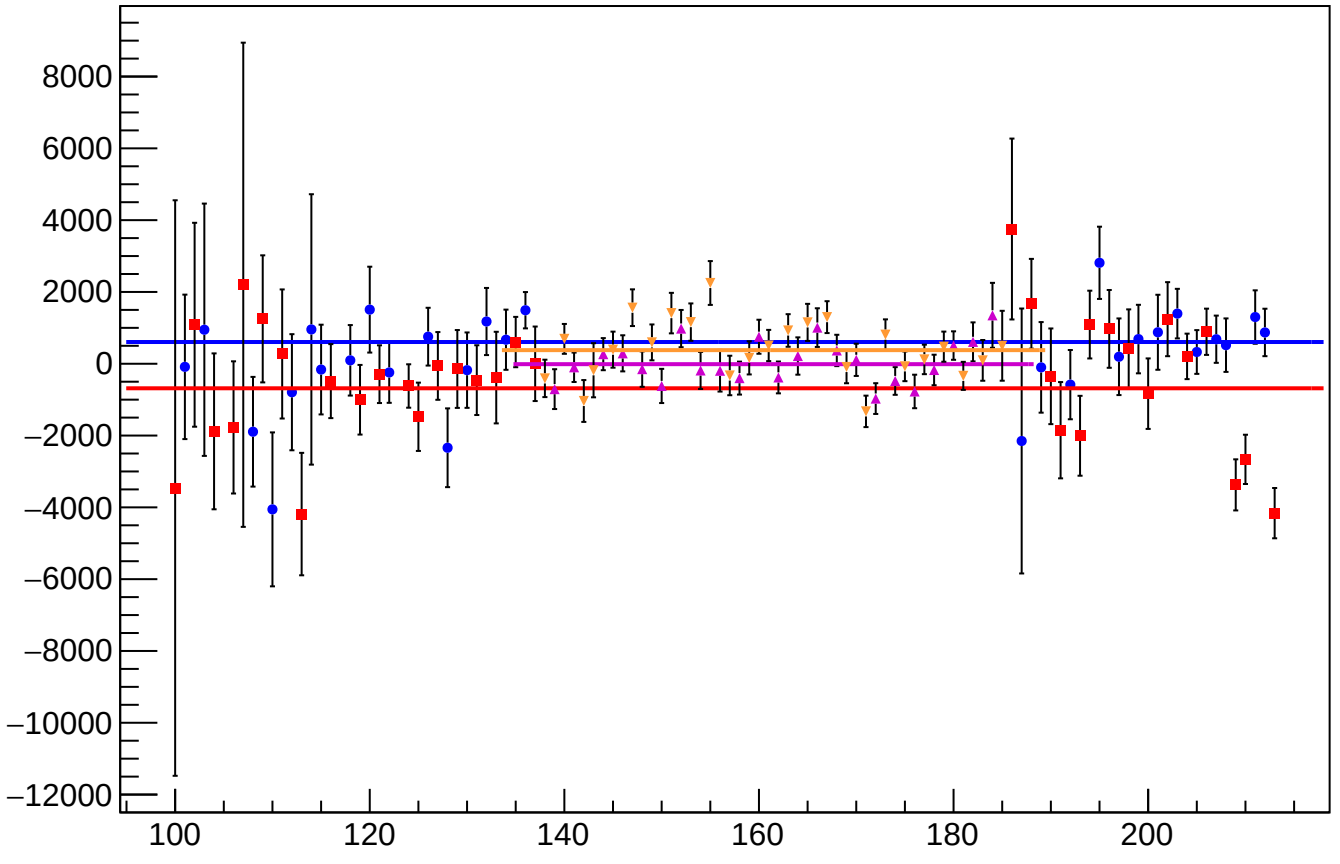
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1864.854+/-0.221 χ^2/NDF: 1433441.1/62

In: 1831.650+/-0.218 χ^2/NDF:689729.0/51

Out: 1842.390+/-0.212 χ^2/NDF:787278.0/58

All: 1837.163+/-0.152 χ^2/NDF: 1478258.2/11



Right In: 605.589+/-172.479 χ^2/NDF: 31.8/28

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

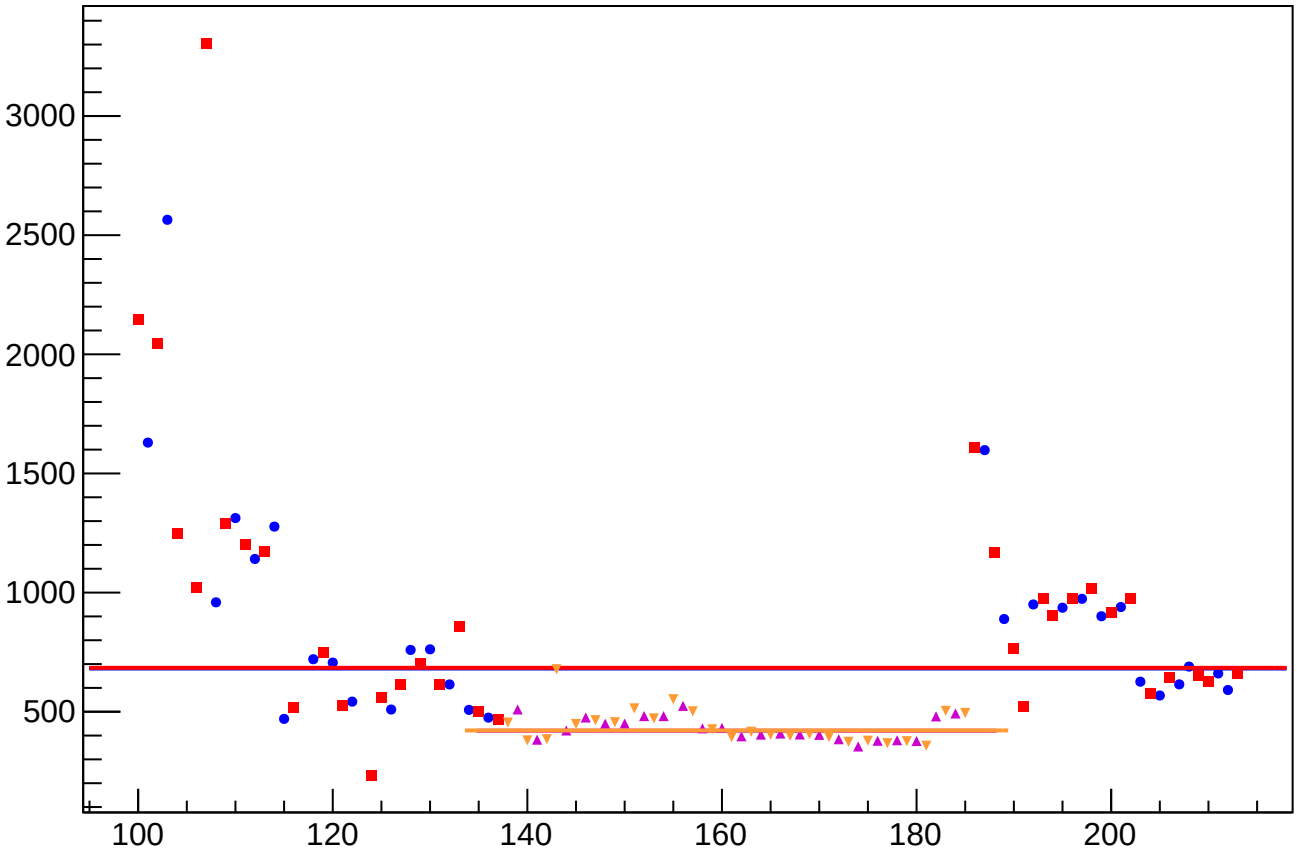
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -44.301+/-121.453 χ^2/NDF: 147.1/62

In: 141.346+/-85.846 χ^2/NDF:72.5/51

Out: 120.681+/-84.386 χ^2/NDF:178.7/58

All: 130.836+/-60.179 χ^2/NDF: 251.2/110



Right In: 681.368+/-0.122 χ^2/NDF: 3107521.4/28

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

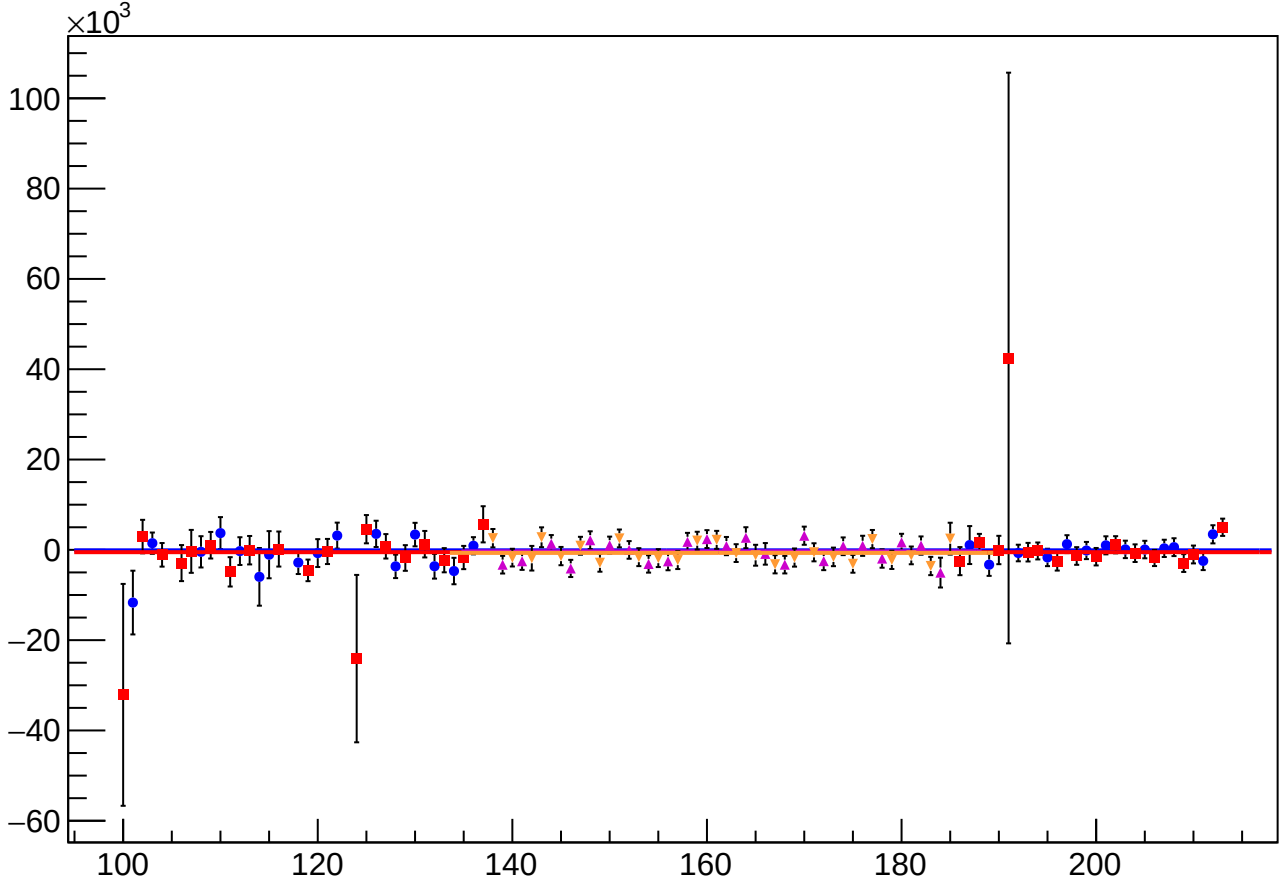
Right: 682.805+/-0.086 χ^2/NDF: 7807998.5/62

In: 484.914+/-0.061 χ^2/NDF:6969689.7/51

Out: 485.379+/-0.060 χ^2/NDF:9015323.5/58

All: 485.150+/-0.043 χ^2/NDF: 15985043.1/11

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -106.438+/-448.553 χ^2/NDF: 25.2/28

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

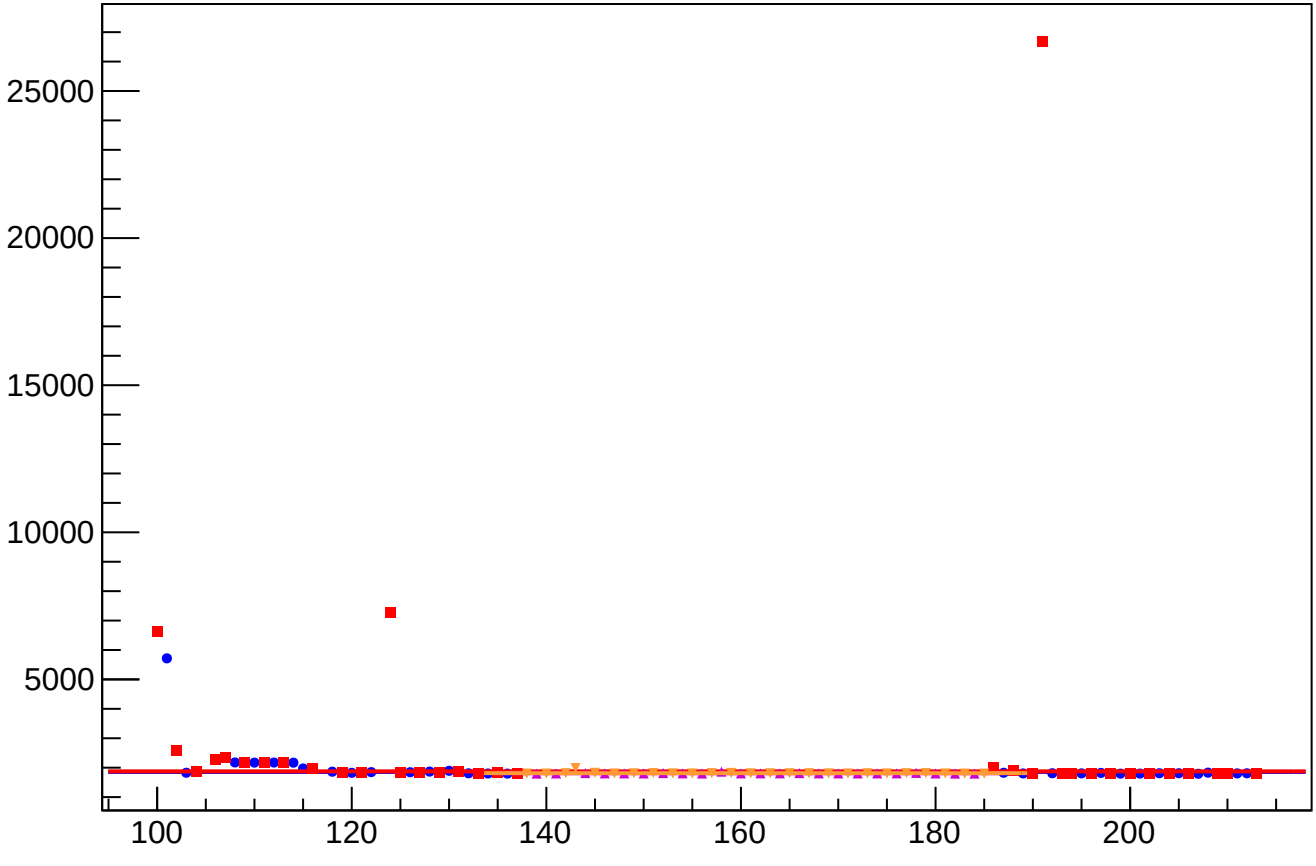
Right: -317.221+/-312.772 χ^2/NDF: 56.4/62

In: -231.723+/-307.632 χ^2/NDF:55.4/51

Out: -597.722+/-299.647 χ^2/NDF:55.6/58

All: -419.535+/-214.650 χ^2/NDF: 111.7/110

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1855.513+/-0.317 χ^2/NDF: 677074.5/28

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

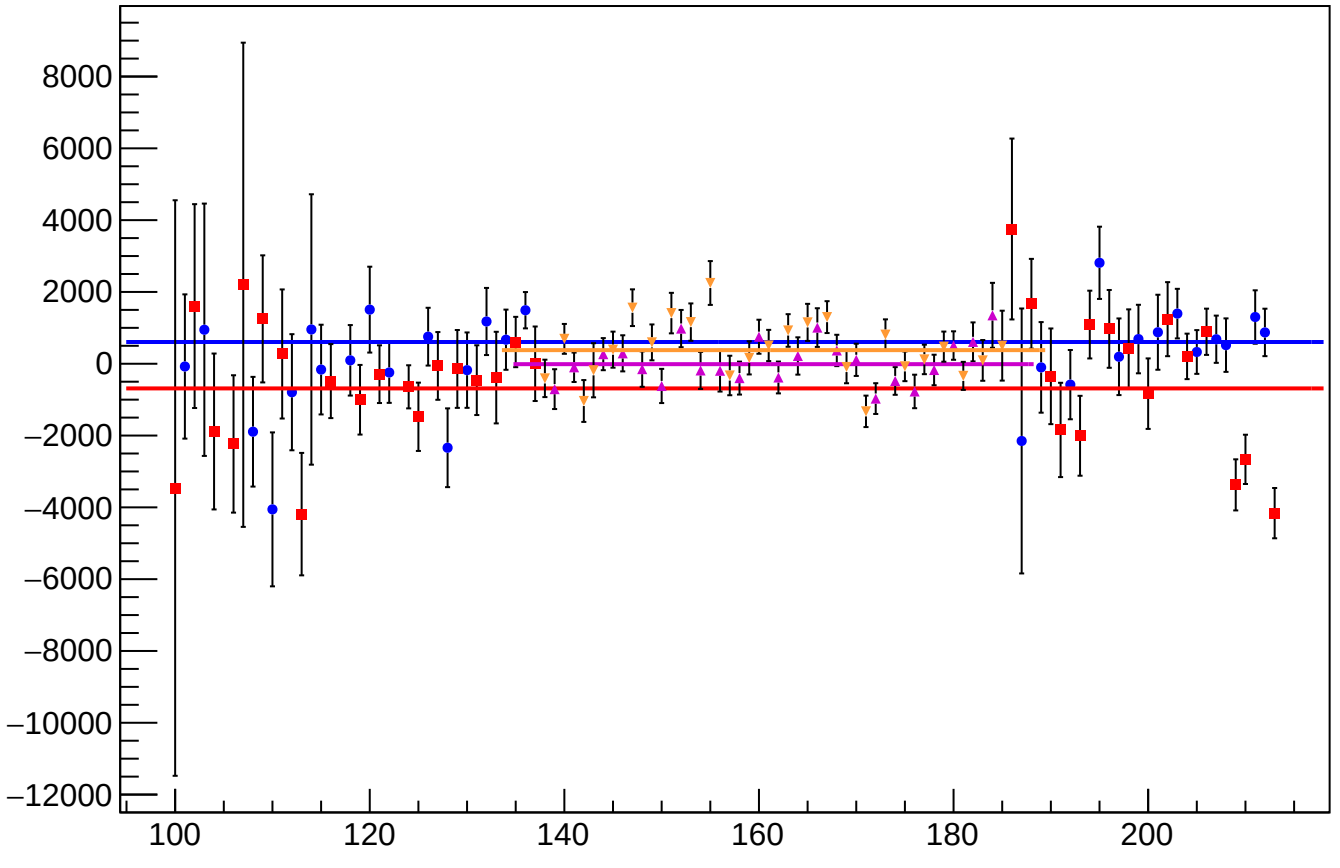
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1865.187+/-0.221 χ^2/NDF: 1439792.9/62

In: 1831.650+/-0.218 χ^2/NDF:689728.9/51

Out: 1842.685+/-0.212 χ^2/NDF:793930.9/58

All: 1837.313+/-0.152 χ^2/NDF: 1484980.4/11



Right In: 605.685+/-172.477 χ^2/NDF: 31.8/28

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

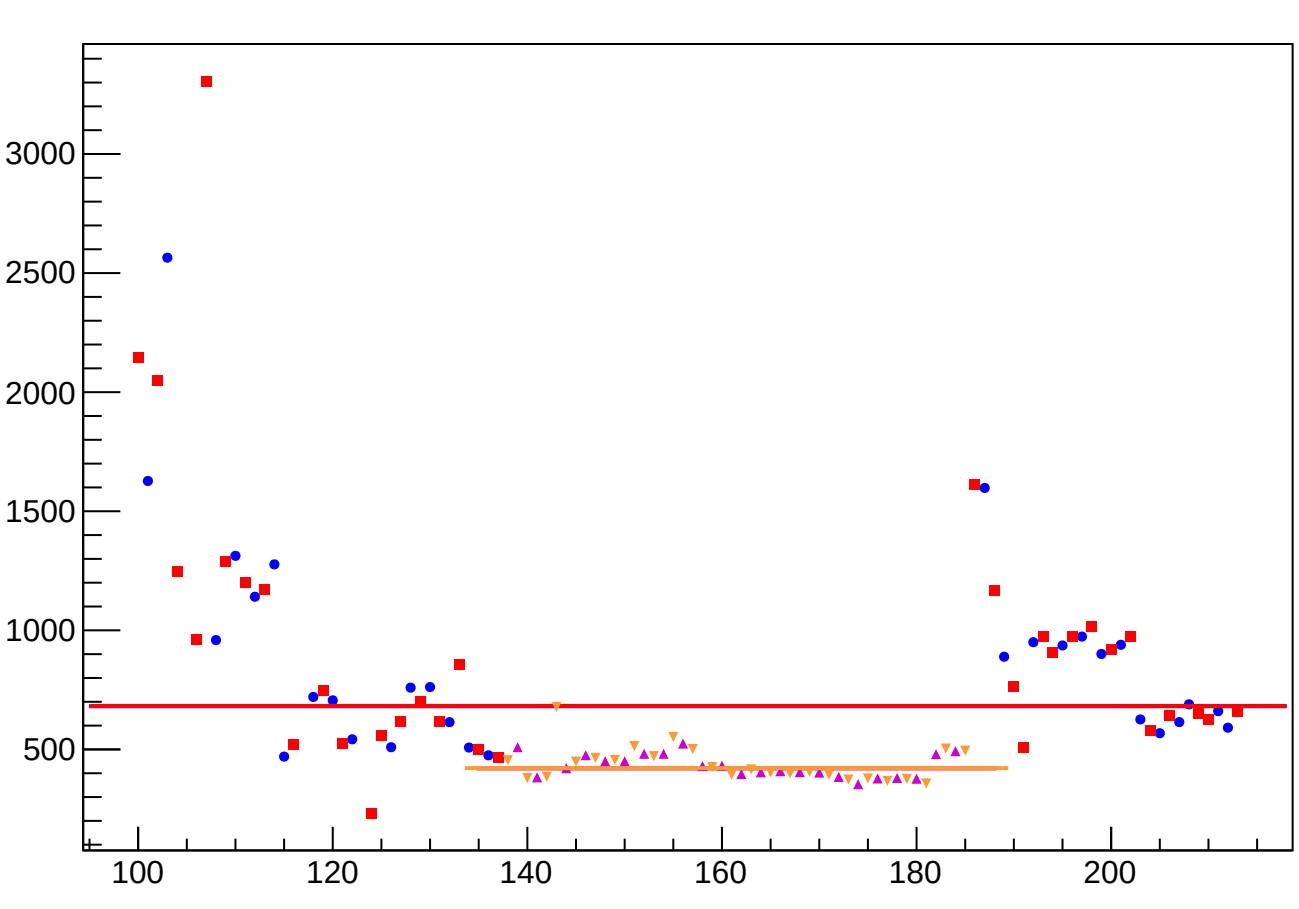
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -46.444+/-121.414 χ^2/NDF: 147.9/62

In: 141.362+/-85.845 χ^2/NDF:72.5/51

Out: 119.559+/-84.373 χ^2/NDF:179.5/58

All: 130.272+/-60.174 χ^2/NDF: 252.1/110



Right In: 681.368+/-0.122 χ^2/NDF: 3106686.6/28

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

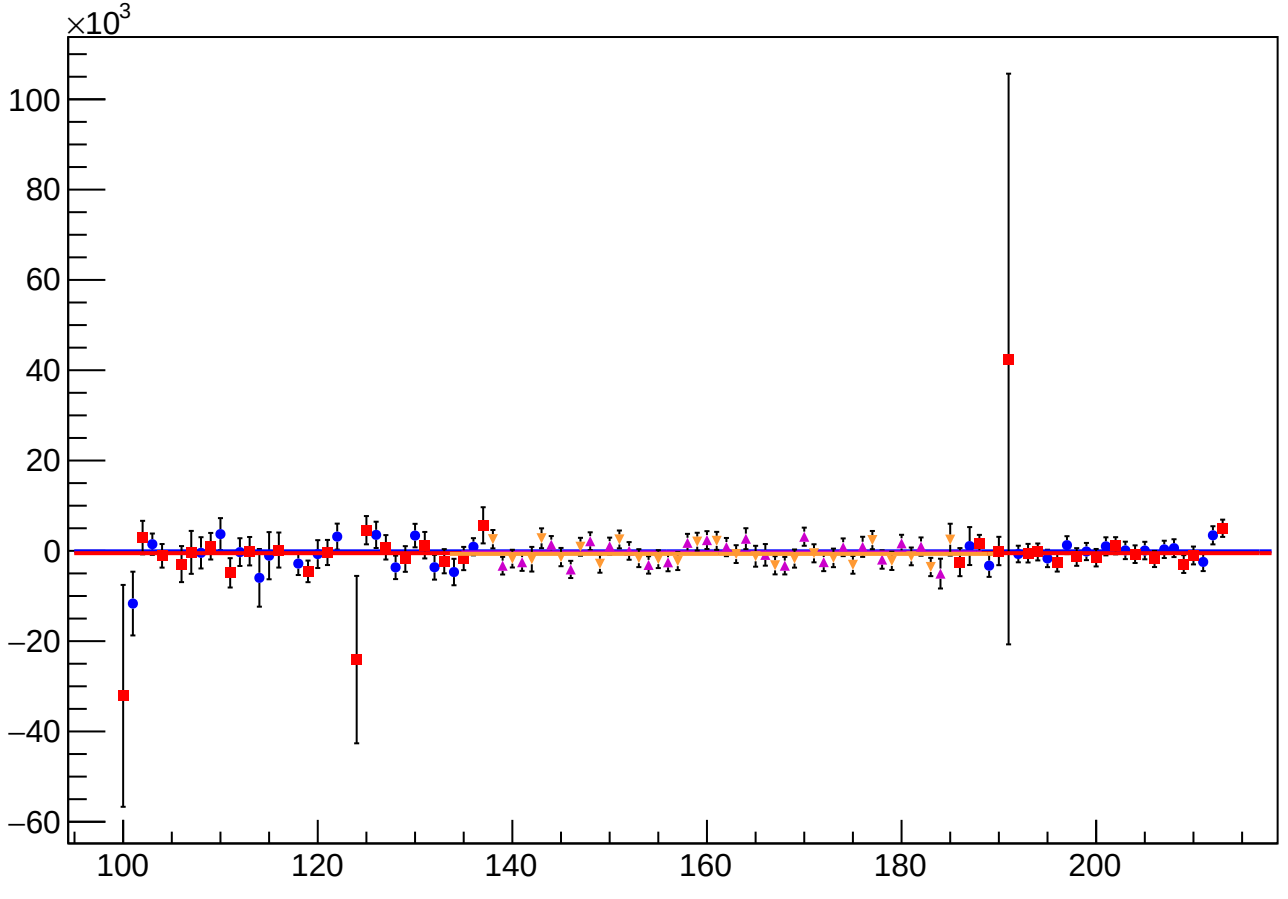
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 681.960+/-0.086 χ^2/NDF: 7815389.1/62

In: 484.911+/-0.061 χ^2/NDF:6969102.5/51

Out: 485.033+/-0.060 χ^2/NDF:8981464.7/58

All: 484.973+/-0.043 χ^2/NDF: 15950569.3/11



Right In: -106.438+/-448.553 χ^2/NDF: 25.2/28

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

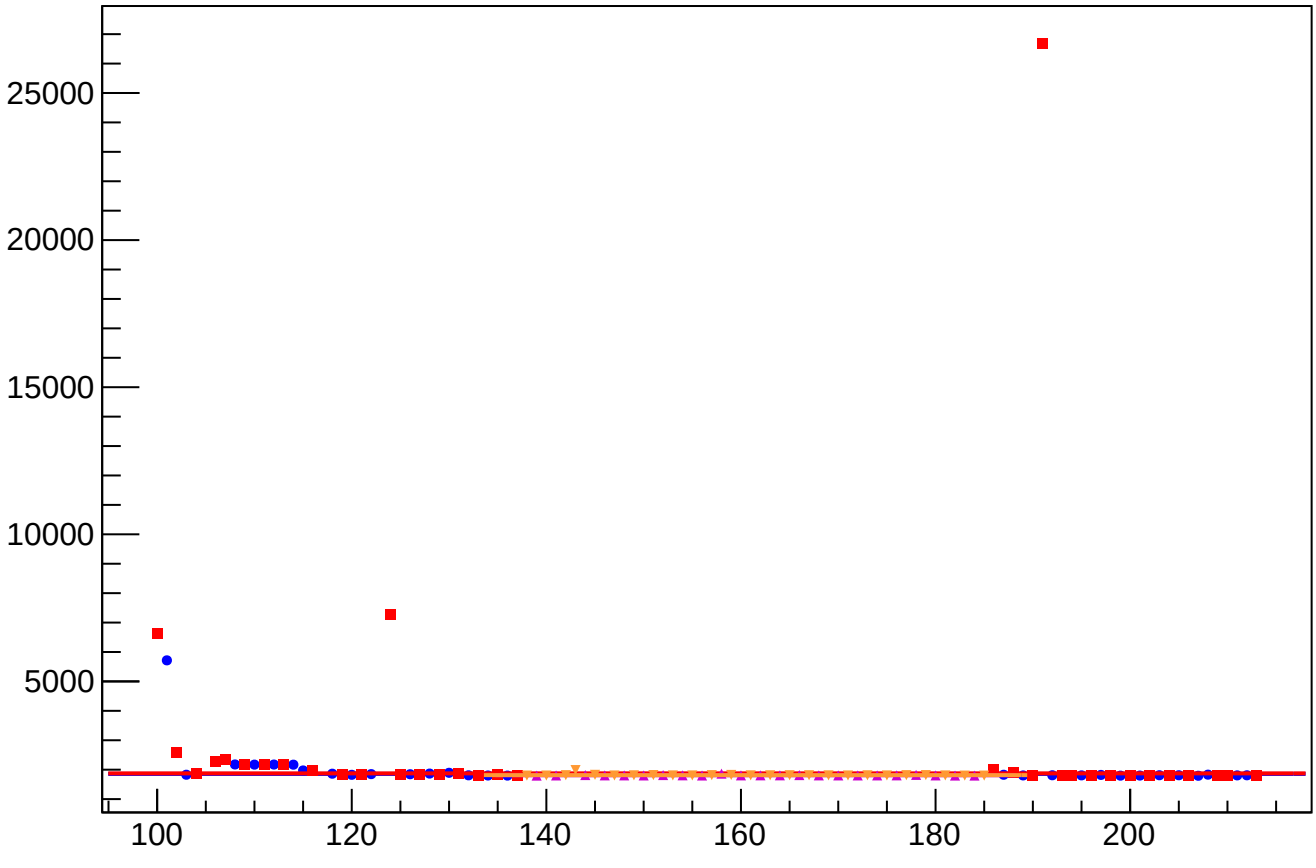
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -317.221+/-312.772 χ^2/NDF: 56.4/62

In: -231.723+/-307.632 χ^2/NDF:55.4/51

Out: -597.722+/-299.647 χ^2/NDF:55.6/58

All: -419.535+/-214.650 χ^2/NDF: 111.7/110



Right In: 1855.513+/-0.317 χ^2/NDF: 677074.5/28

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

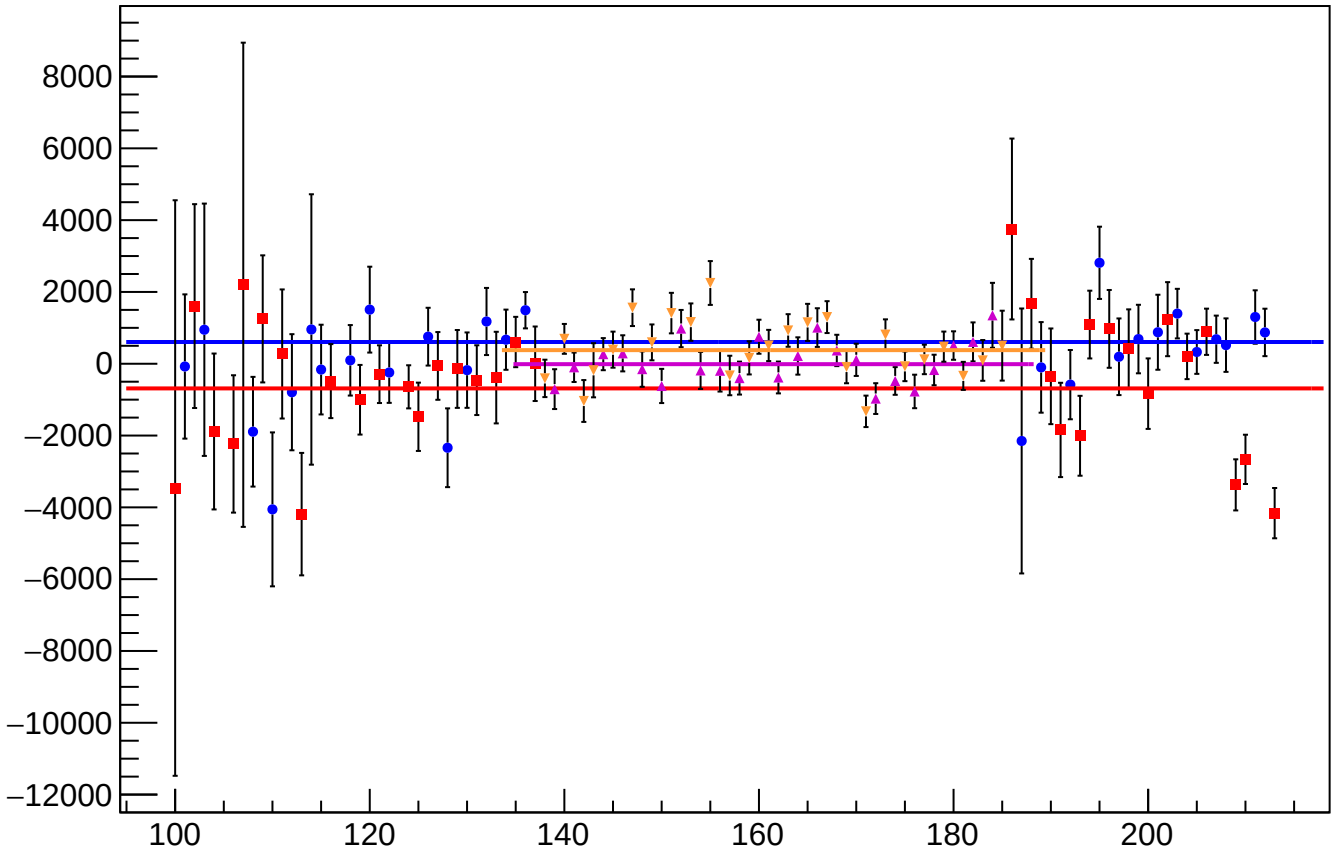
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1865.187+/-0.221 χ^2/NDF: 1439792.9/62

In: 1831.650+/-0.218 χ^2/NDF:689728.9/51

Out: 1842.685+/-0.212 χ^2/NDF:793930.9/58

All: 1837.313+/-0.152 χ^2/NDF: 1484980.4/11



Right In: 605.685+/-172.477 χ^2/NDF: 31.8/28

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

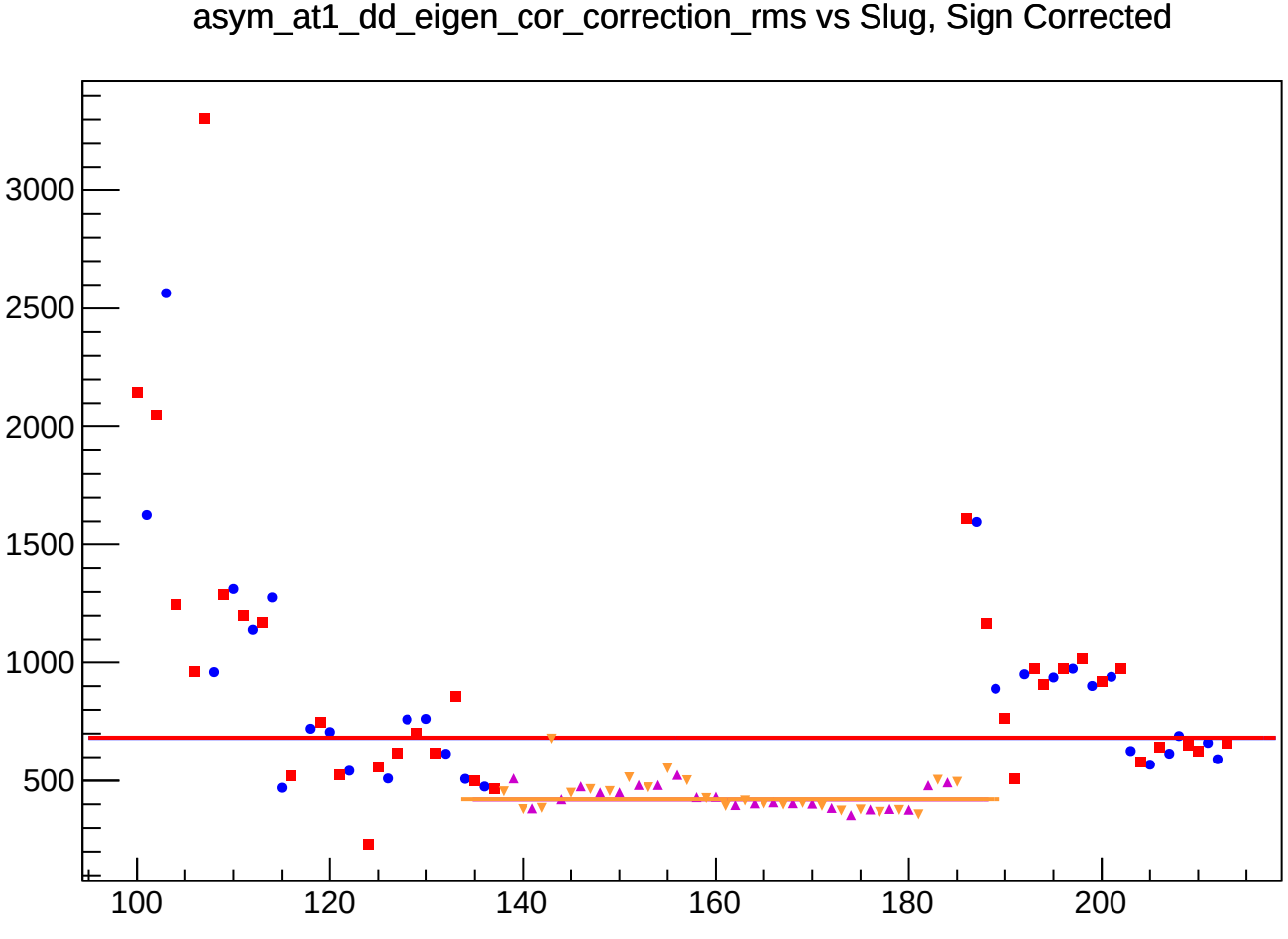
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -46.444+/-121.414 χ^2/NDF: 147.9/62

In: 141.362+/-85.845 χ^2/NDF:72.5/51

Out: 119.559+/-84.373 χ^2/NDF:179.5/58

All: 130.272+/-60.174 χ^2/NDF: 252.1/110



Right In: 681.368+/-0.122 χ^2/NDF: 3106686.6/28

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

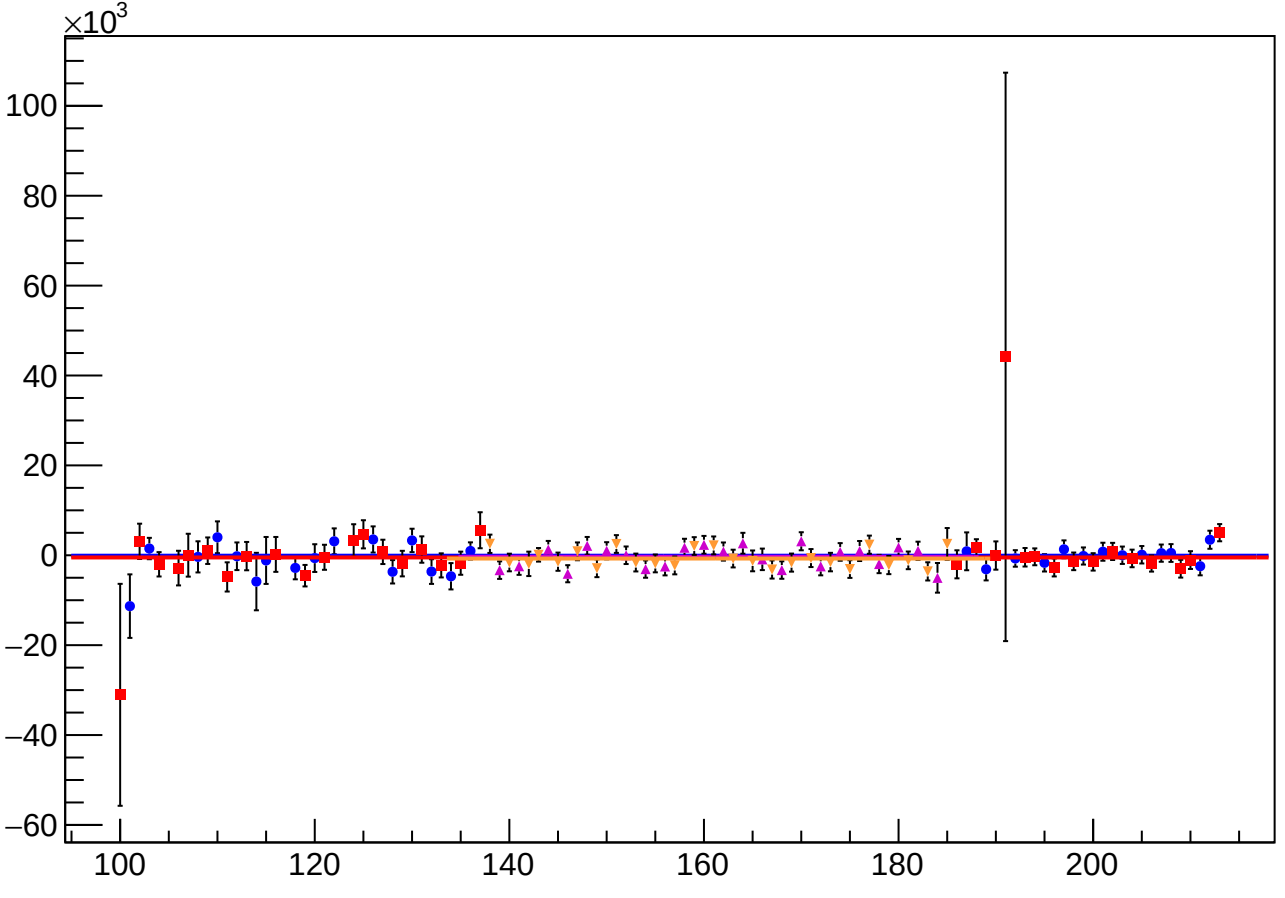
Right: 681.960+/-0.086 χ^2/NDF: 7815389.1/62

In: 484.911+/-0.061 χ^2/NDF:6969102.5/51

Out: 485.033+/-0.060 χ^2/NDF:8981464.7/58

All: 484.973+/-0.043 χ^2/NDF: 15950569.3/1

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -96.297+/-449.022 χ^2/NDF: 24.8/28

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

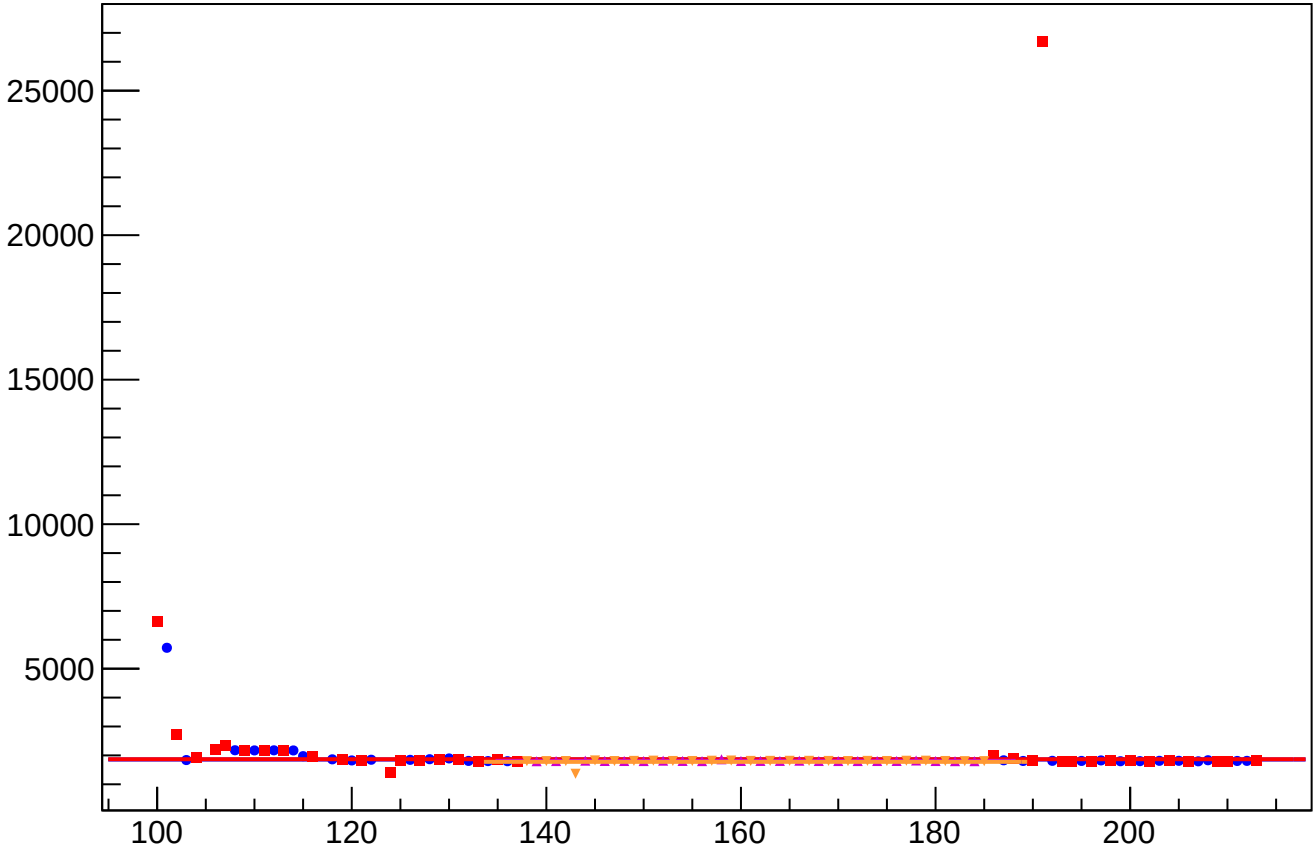
Right: -297.188+/-312.168 χ^2/NDF: 55.5/62

In: -226.103+/-307.840 χ^2/NDF:54.5/51

Out: -613.338+/-295.965 χ^2/NDF:52.7/58

All: -427.333+/-213.353 χ^2/NDF: 108.1/110

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1857.340+/-0.318 χ^2/NDF: 676855.4/28

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

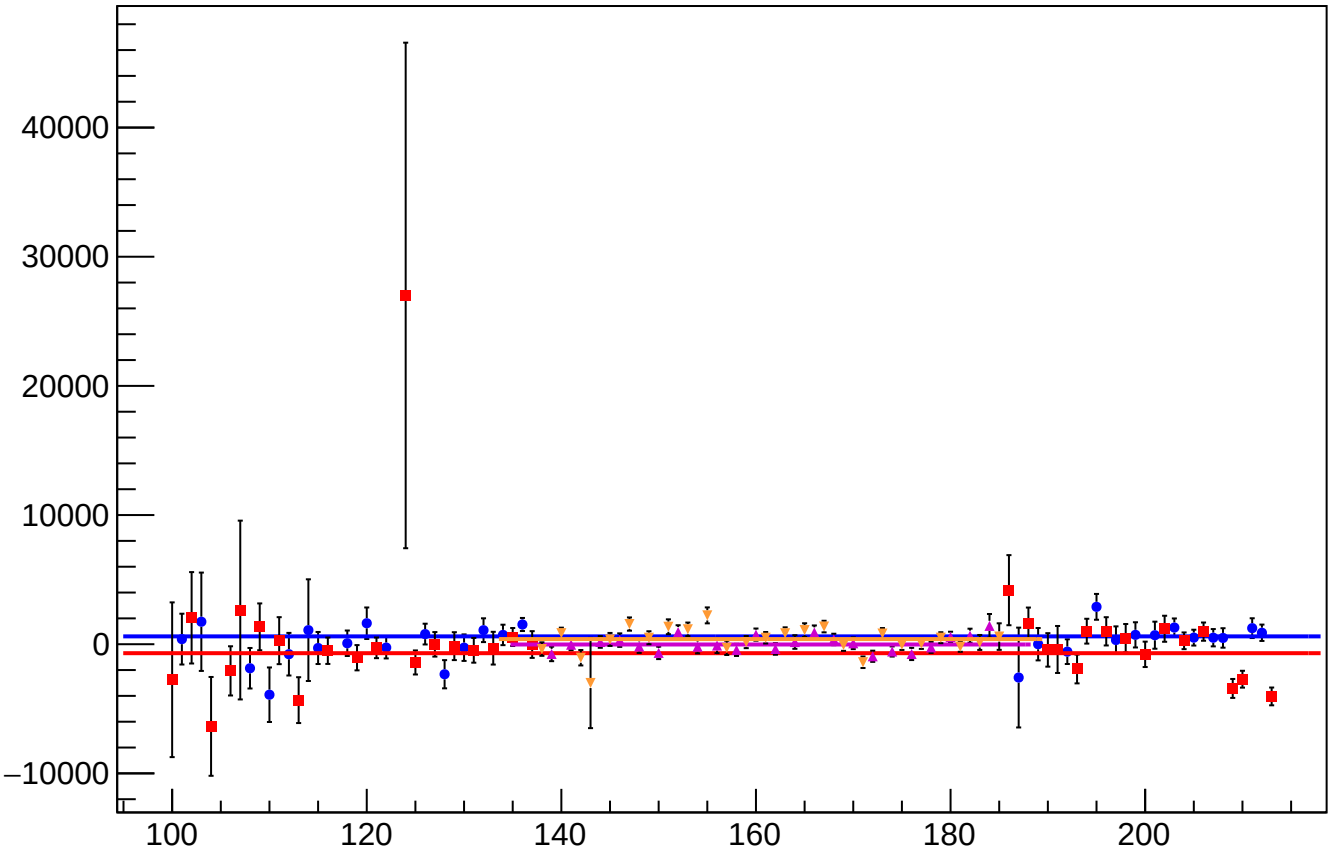
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1862.460+/-0.221 χ^2/NDF: 1313370.4/62

In: 1832.825+/-0.218 χ^2/NDF:690069.2/51

Out: 1818.765+/-0.209 χ^2/NDF:843850.3/58

All: 1825.519+/-0.151 χ^2/NDF: 1536087.5/11



Right In: 606.517+/-172.269 χ^2/NDF: 31.7/28

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

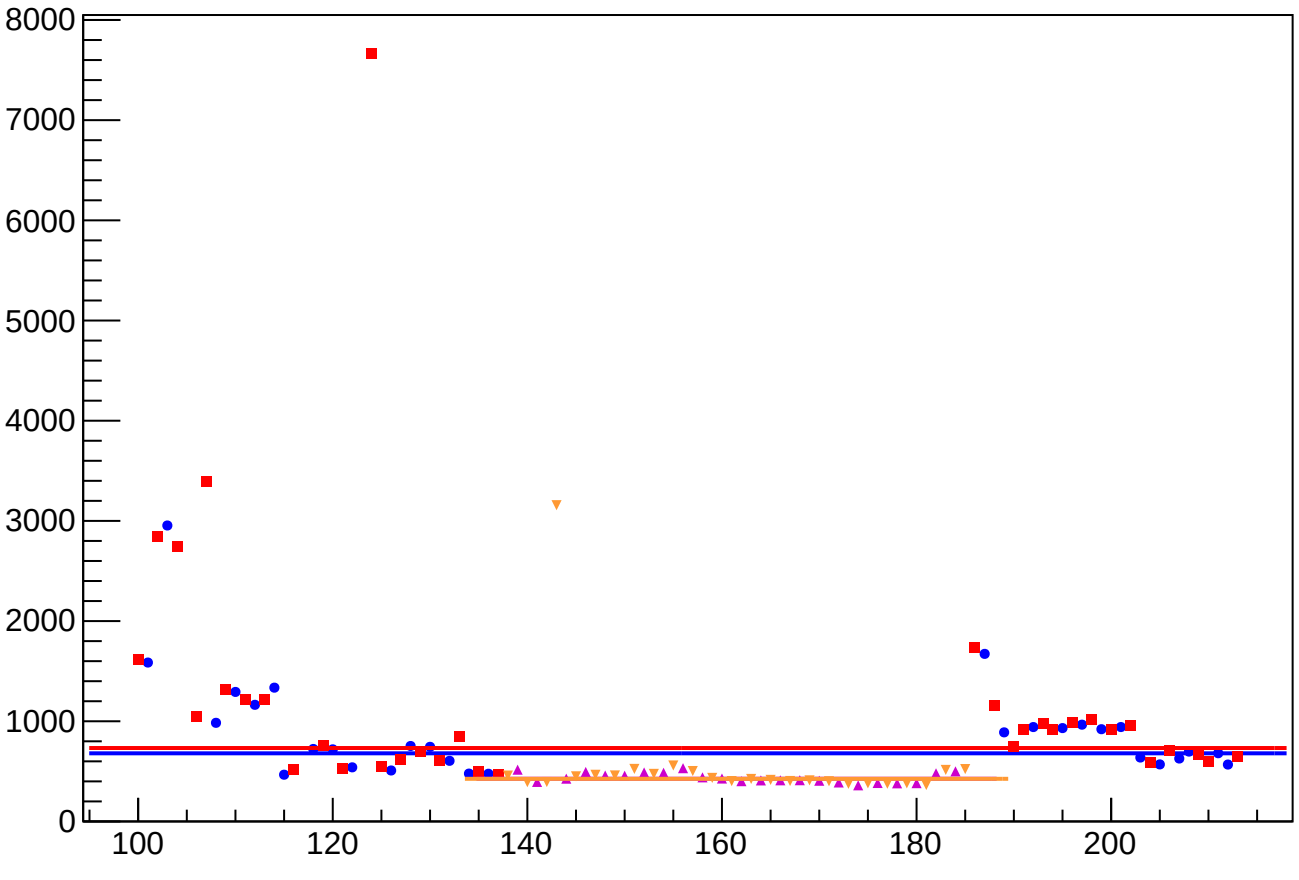
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: -14.421+/-124.553 χ^2/NDF: 148.8/62

In: 137.445+/-86.655 χ^2/NDF:72.5/51

Out: 144.451+/-86.889 χ^2/NDF:178.6/58

All: 140.939+/-61.357 χ^2/NDF: 251.0/110



Right In: 680.124+/-0.122 χ^2/NDF: 3313511.0/28

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

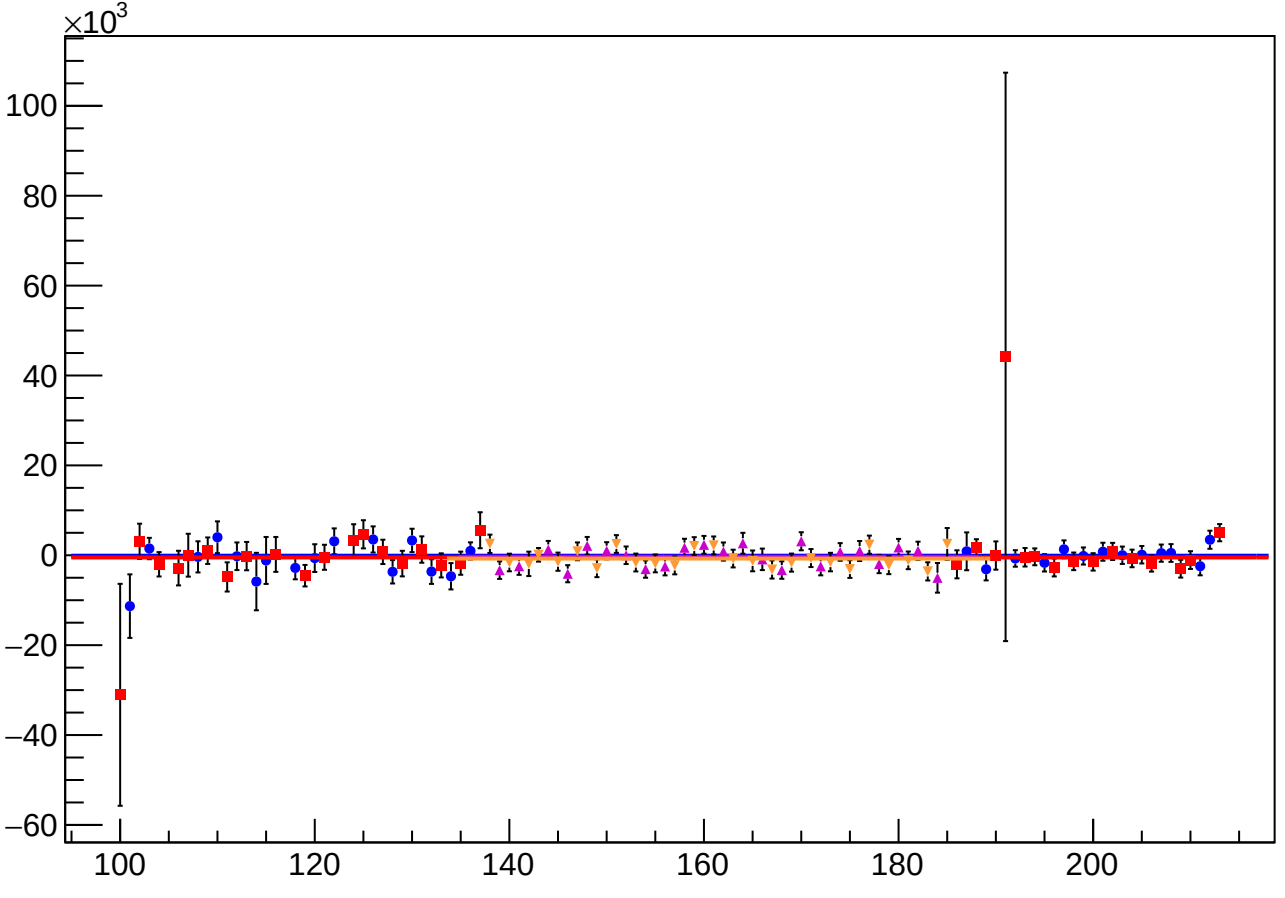
Right: 705.363+/-0.088 χ^2/NDF: 7896239.0/62

In: 490.410+/-0.061 χ^2/NDF:6976183.7/51

Out: 497.072+/-0.061 χ^2/NDF:10672013.4/58

All: 493.732+/-0.043 χ^2/NDF: 17654091.8/1

eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -96.298+/-449.022 χ^2/NDF: 24.8/28

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

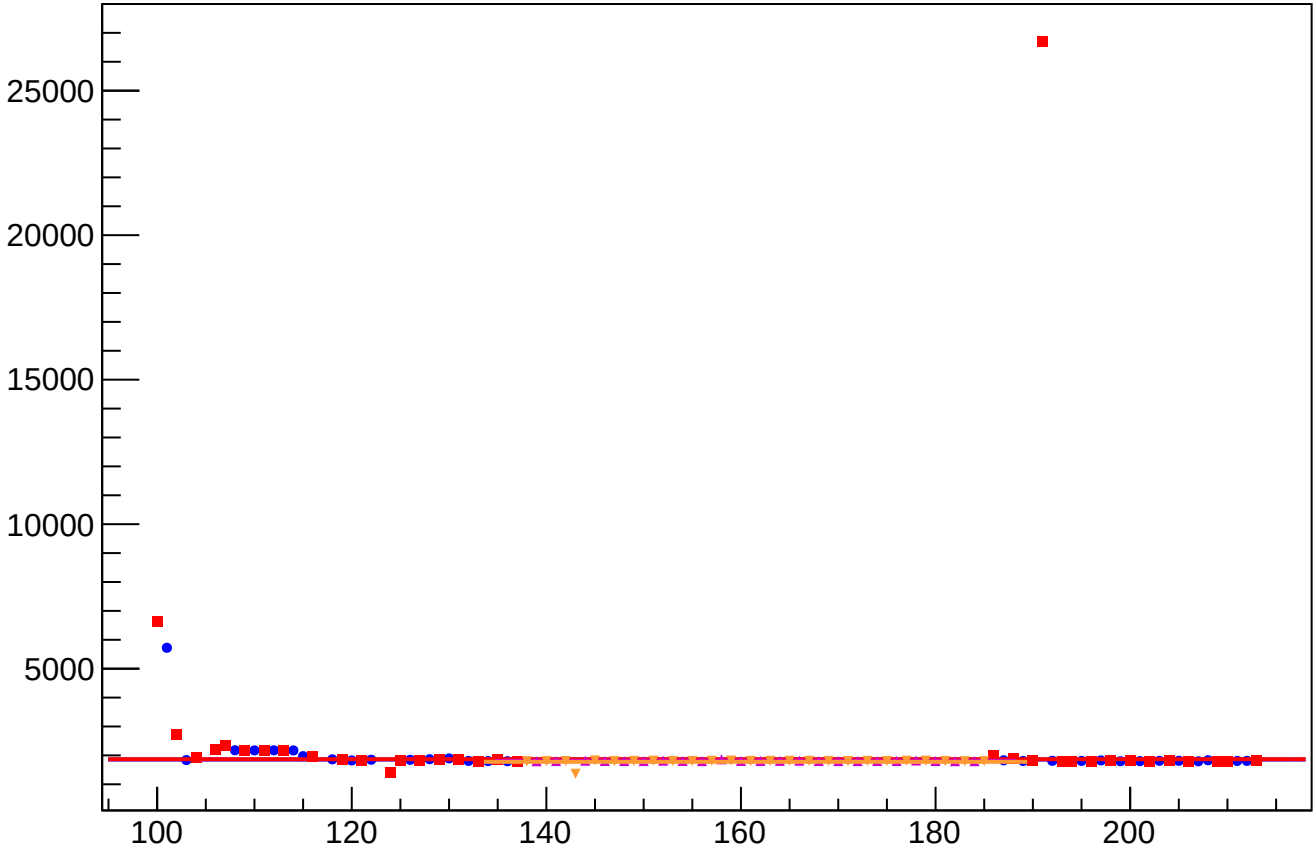
Right: -297.188+/-312.168 χ^2/NDF: 55.5/62

In: -226.104+/-307.840 χ^2/NDF:54.5/51

Out: -613.338+/-295.965 χ^2/NDF:52.7/58

All: -427.334+/-213.353 χ^2/NDF: 108.1/110

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1857.340+/-0.318 χ^2/NDF: 676855.4/28

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

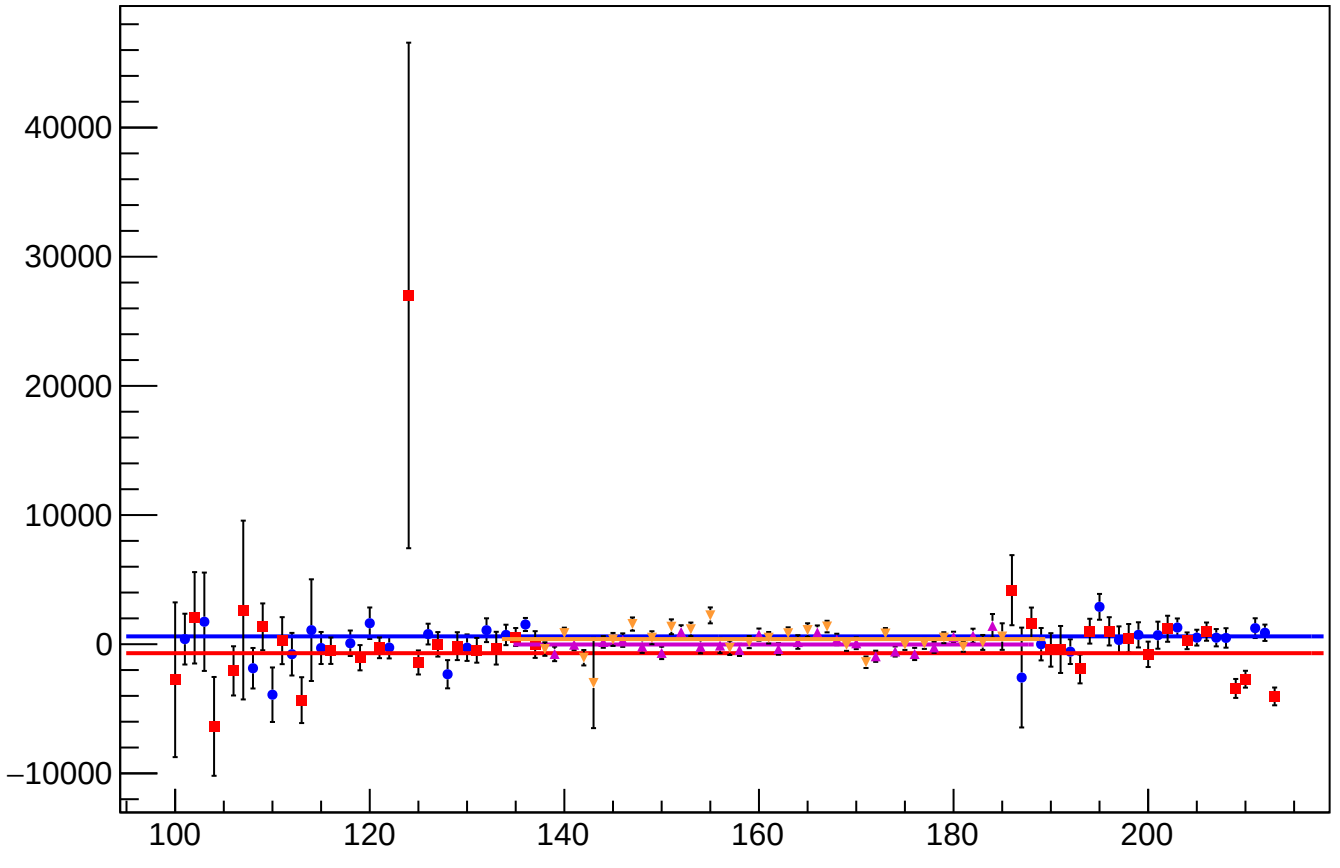
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1862.460+/-0.221 χ^2/NDF: 1313370.2/62

In: 1832.825+/-0.218 χ^2/NDF:690069.2/51

Out: 1818.765+/-0.209 χ^2/NDF:843850.1/58

All: 1825.519+/-0.151 χ^2/NDF: 1536087.3/11



Right In: 606.516+/-172.269 χ^2/NDF: 31.7/28

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

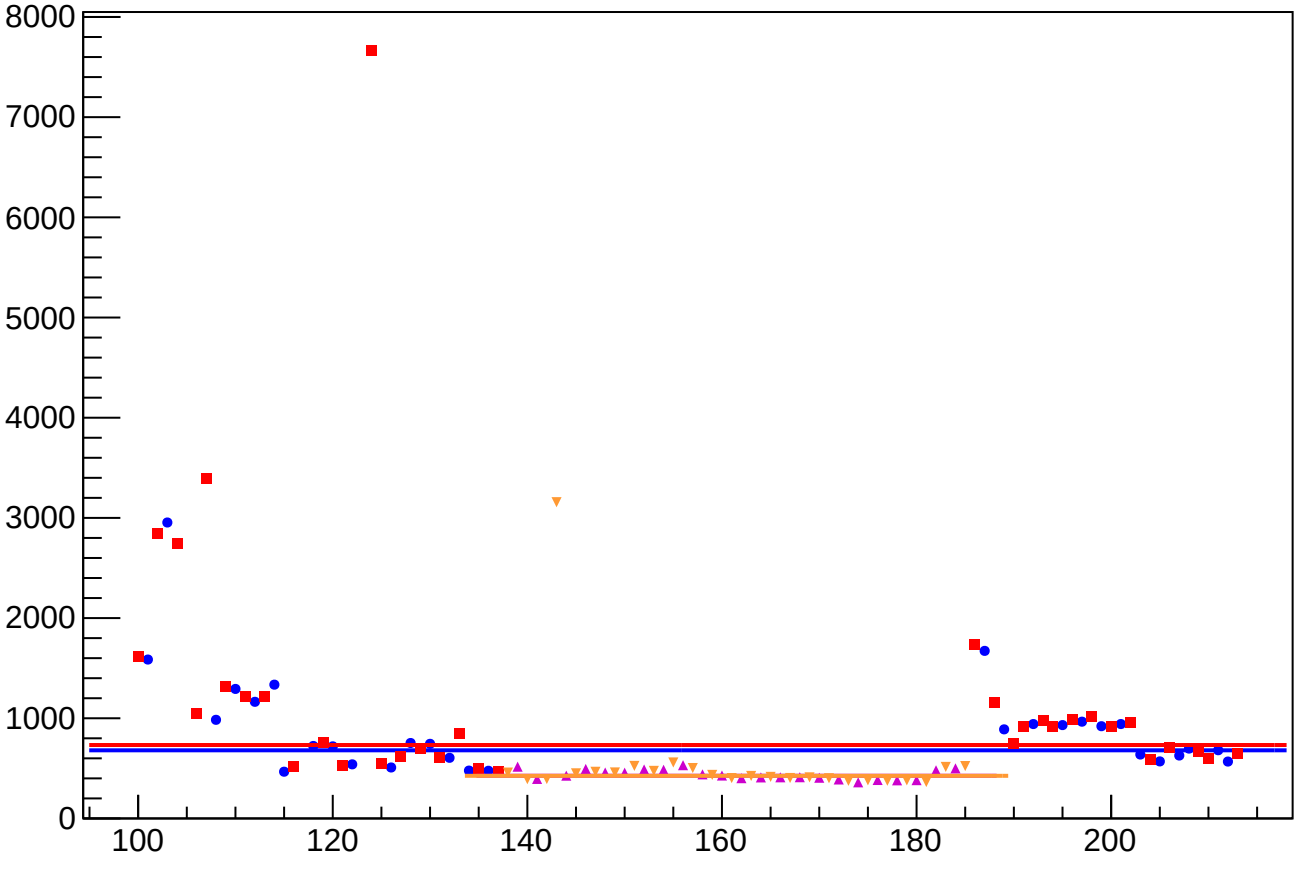
Right: -14.420+/-124.553 χ^2/NDF: 148.8/62

In: 137.445+/-86.655 χ^2/NDF:72.5/51

Out: 144.452+/-86.889 χ^2/NDF:178.6/58

All: 140.939+/-61.357 χ^2/NDF: 251.0/110

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 680.125+/-0.122 χ^2/NDF: 3313510.6/28

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

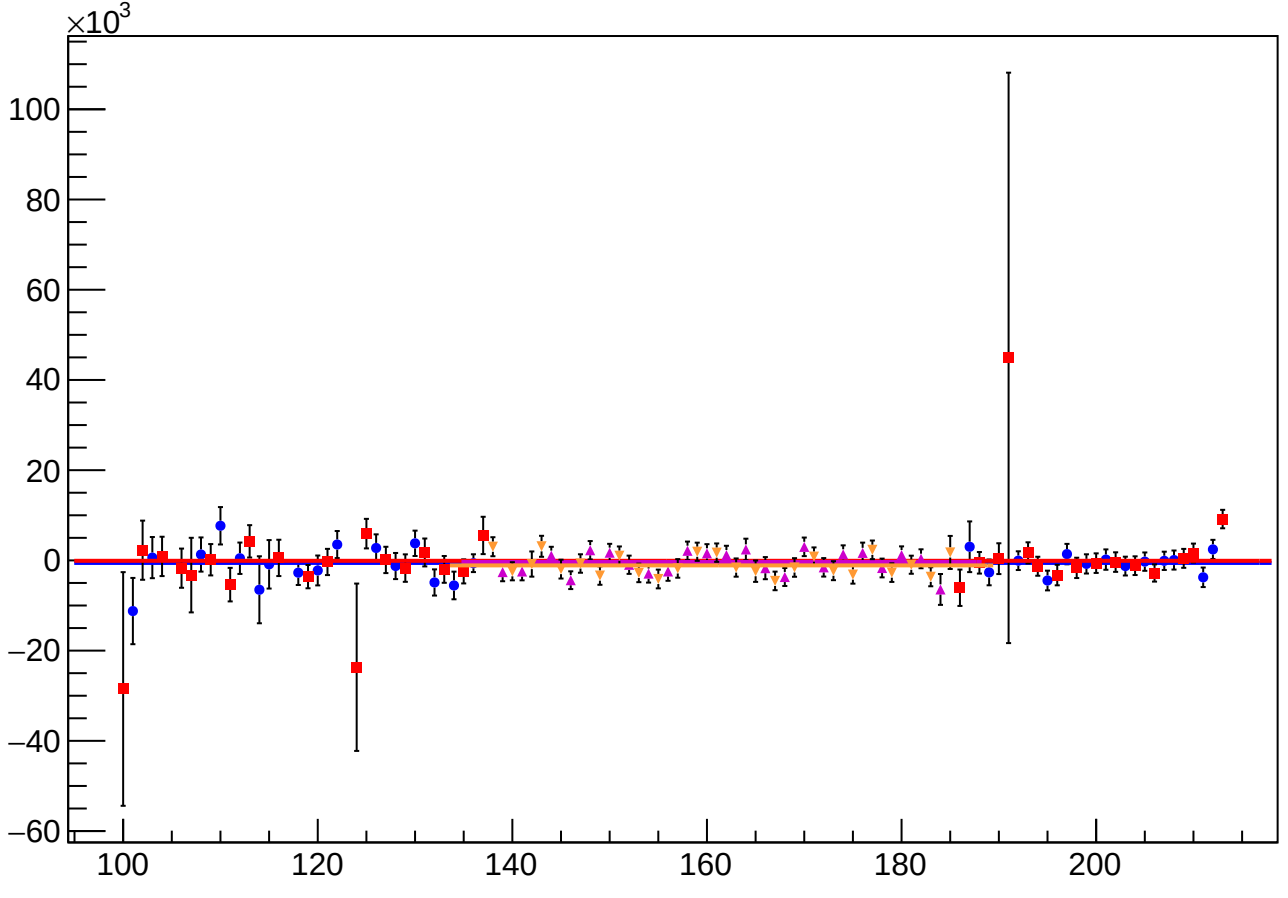
Right: 705.363+/-0.088 χ^2/NDF: 7896236.8/62

In: 490.410+/-0.061 χ^2/NDF:6976196.2/51

Out: 497.072+/-0.061 χ^2/NDF:10672032.8/58

All: 493.732+/-0.043 χ^2/NDF: 17654123.5/11

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -559.551+/-494.632 χ^2/NDF: 27.9/28

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

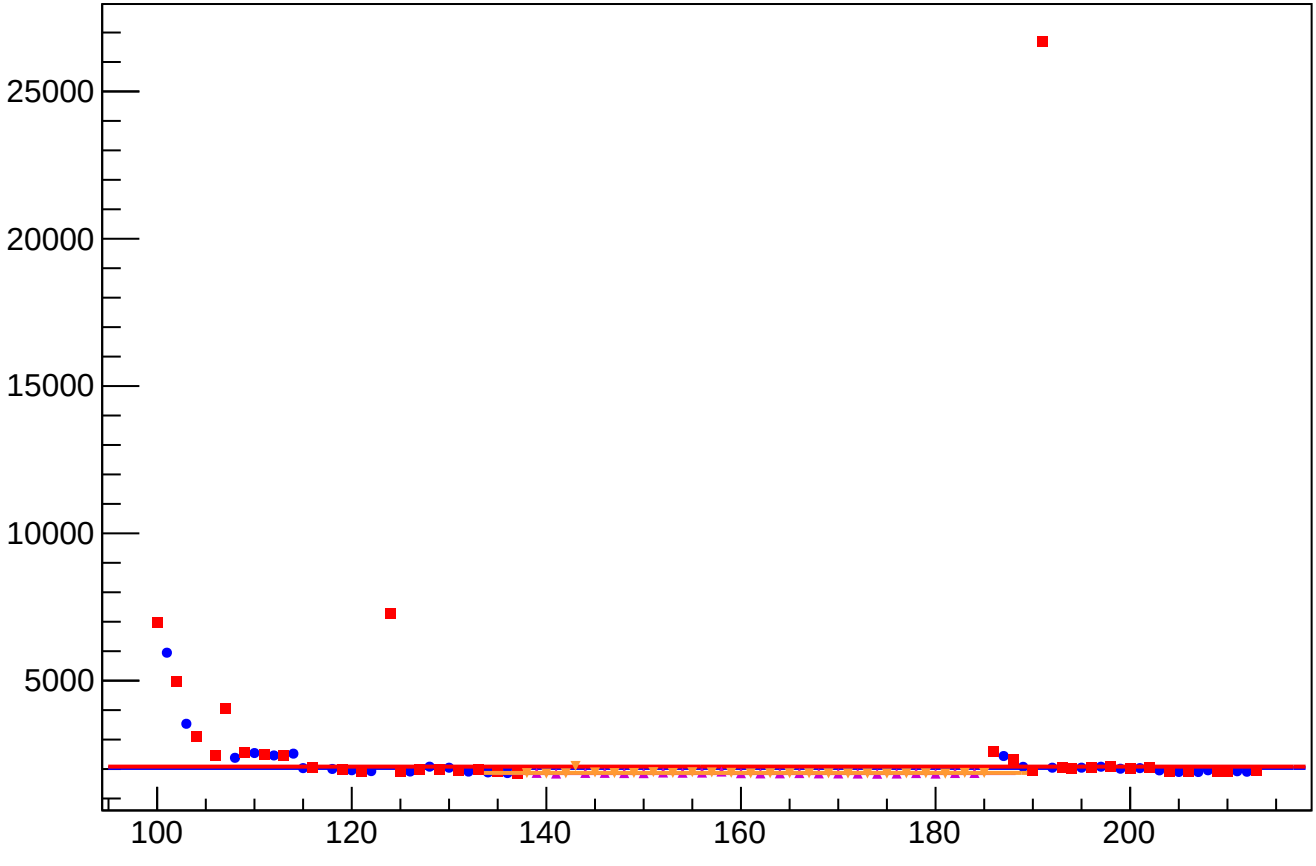
Right: -321.628+/-347.472 χ^2/NDF: 73.7/62

In: -439.648+/-326.628 χ^2/NDF:56.7/51

Out: -668.228+/-320.409 χ^2/NDF:75.8/58

All: -556.135+/-228.731 χ^2/NDF: 132.8/110

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2037.494+/-0.350 χ^2/NDF: 948220.0/28

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

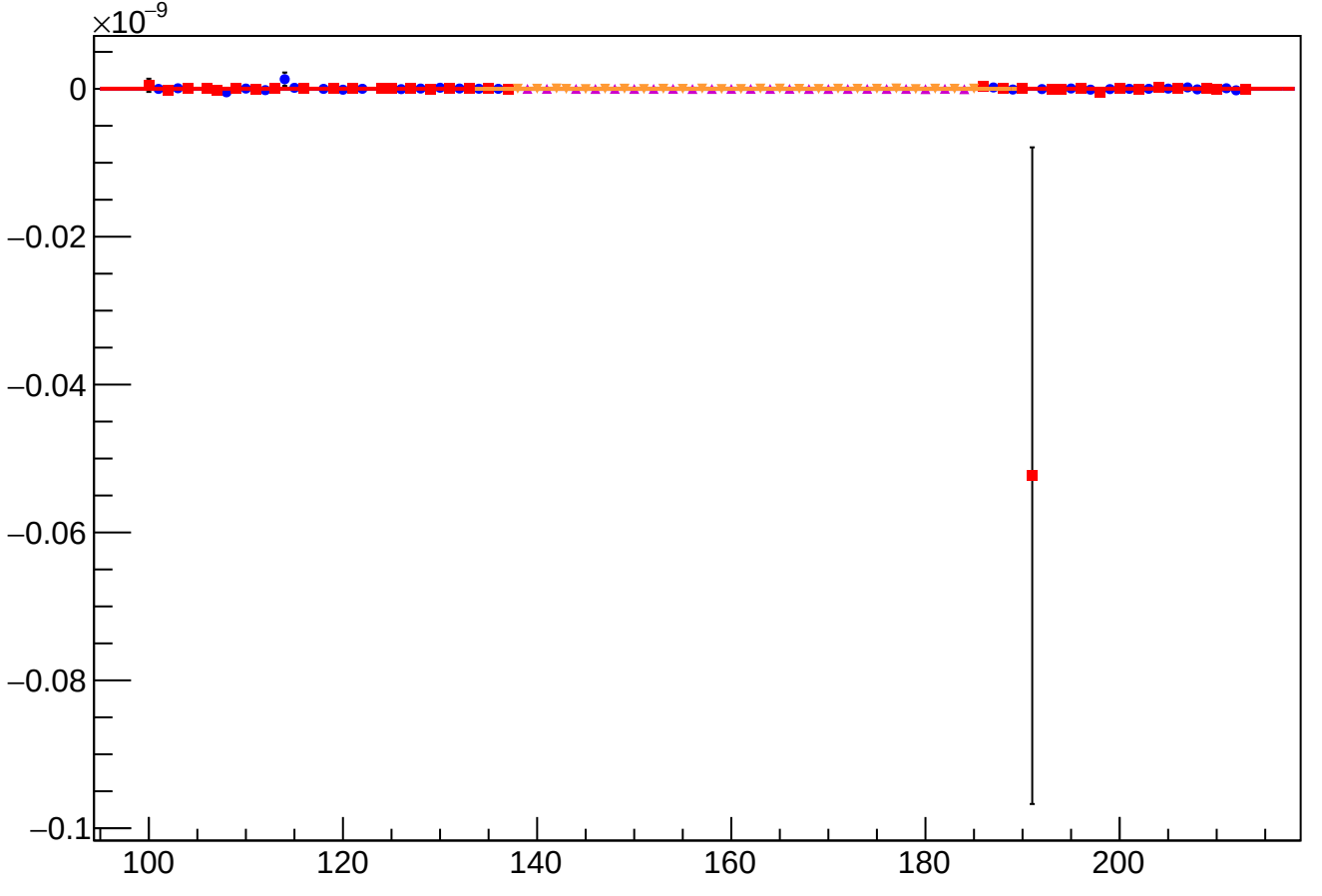
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2060.163+/-0.246 χ^2/NDF: 2360095.6/62

In: 1938.993+/-0.231 χ^2/NDF:1091577.1/51

Out: 1960.810+/-0.227 χ^2/NDF:1644239.6/58

All: 1950.111+/-0.162 χ^2/NDF: 2740363.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 36.8/28

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

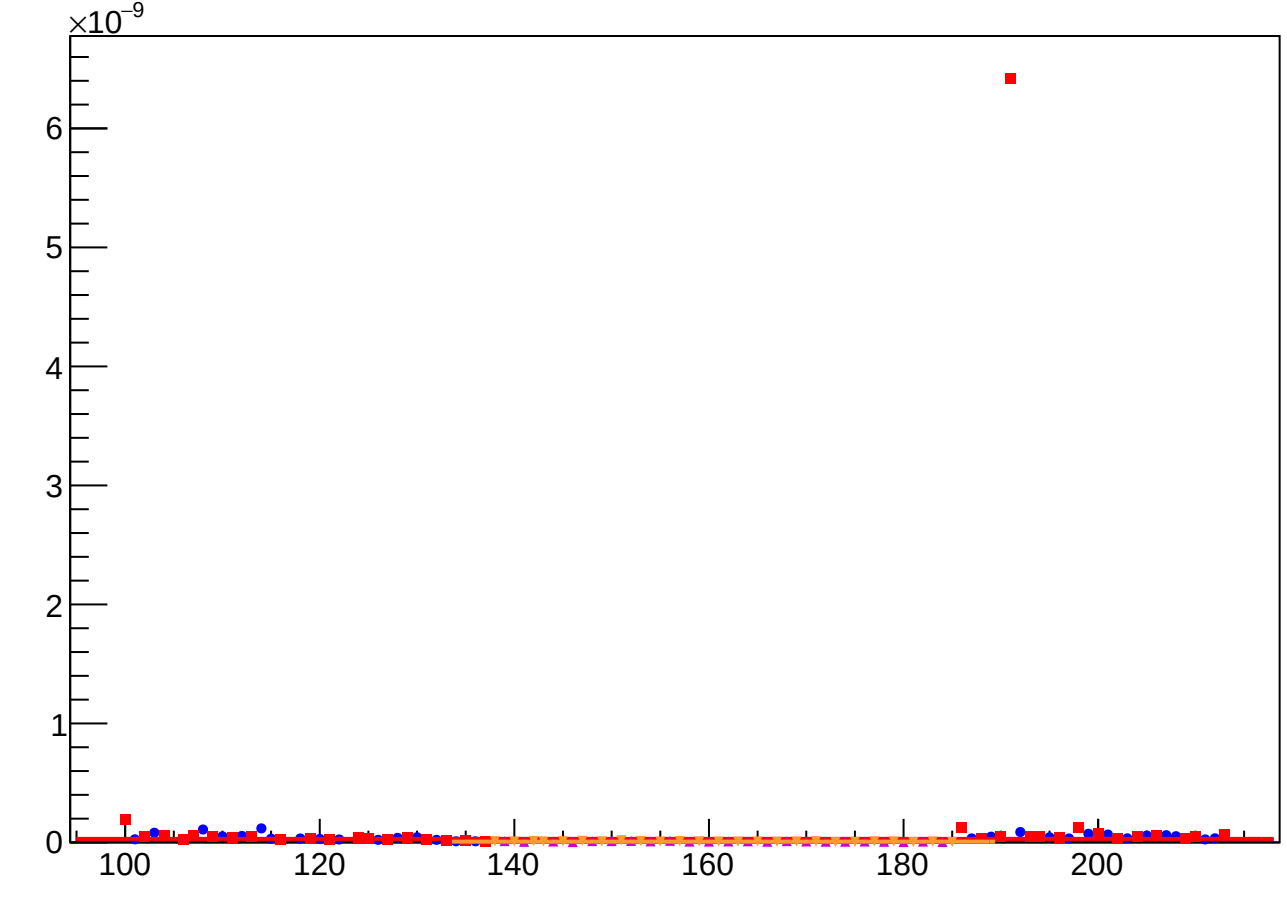
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 71.9/62

In: -0.000+/-0.000 χ^2/NDF:54.2/51

Out: 0.000+/-0.000 χ^2/NDF:77.6/58

All: -0.000+/-0.000 χ^2/NDF: 133.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 5185612.0/28

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

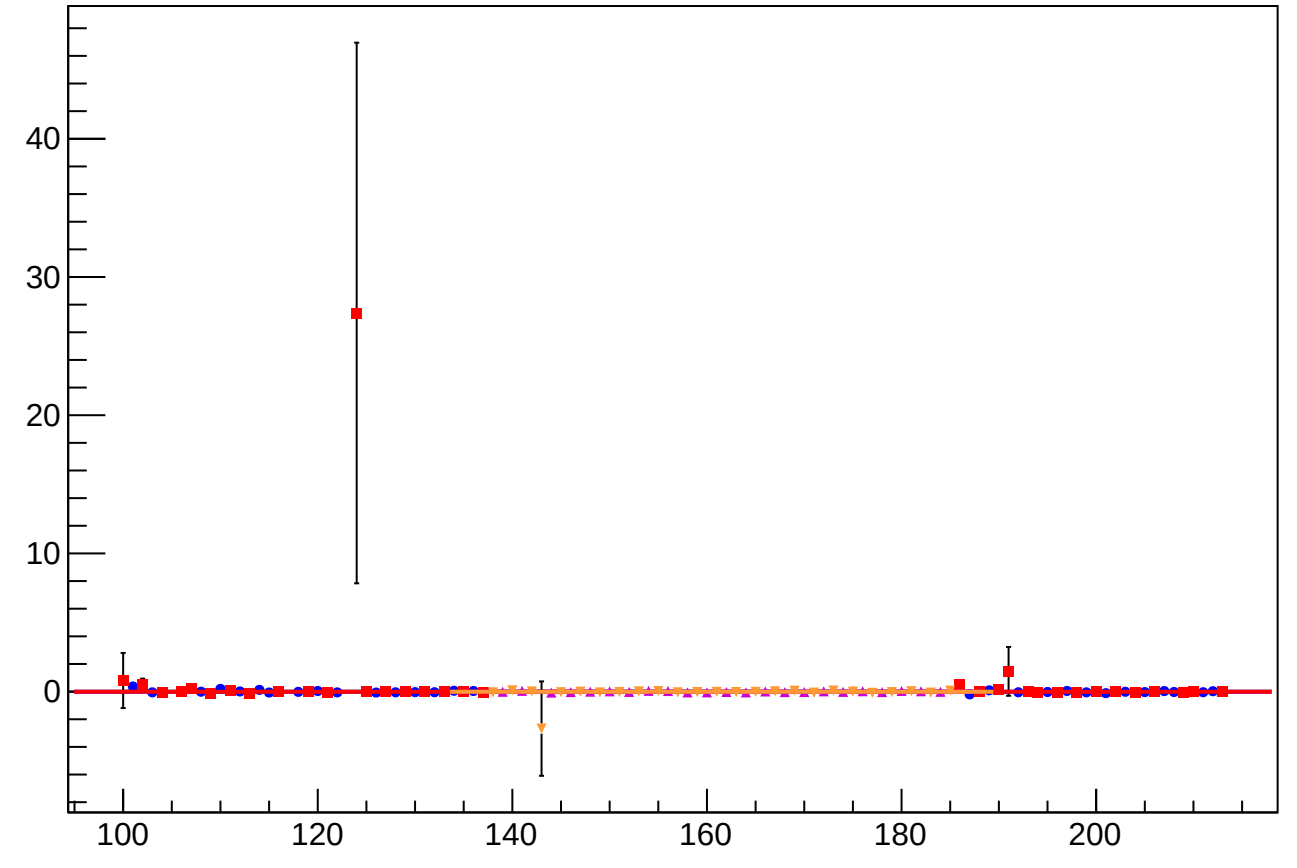
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 9424586.1/62

In: 0.000+/-0.000 χ^2/NDF:10113374.4/51

Out: 0.000+/-0.000 χ^2/NDF:11453364.6/58

All: 0.000+/-0.000 χ^2/NDF: 21566954.6/110



Right In: -0.007+/-0.011 χ^2/NDF: 29.4/28

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

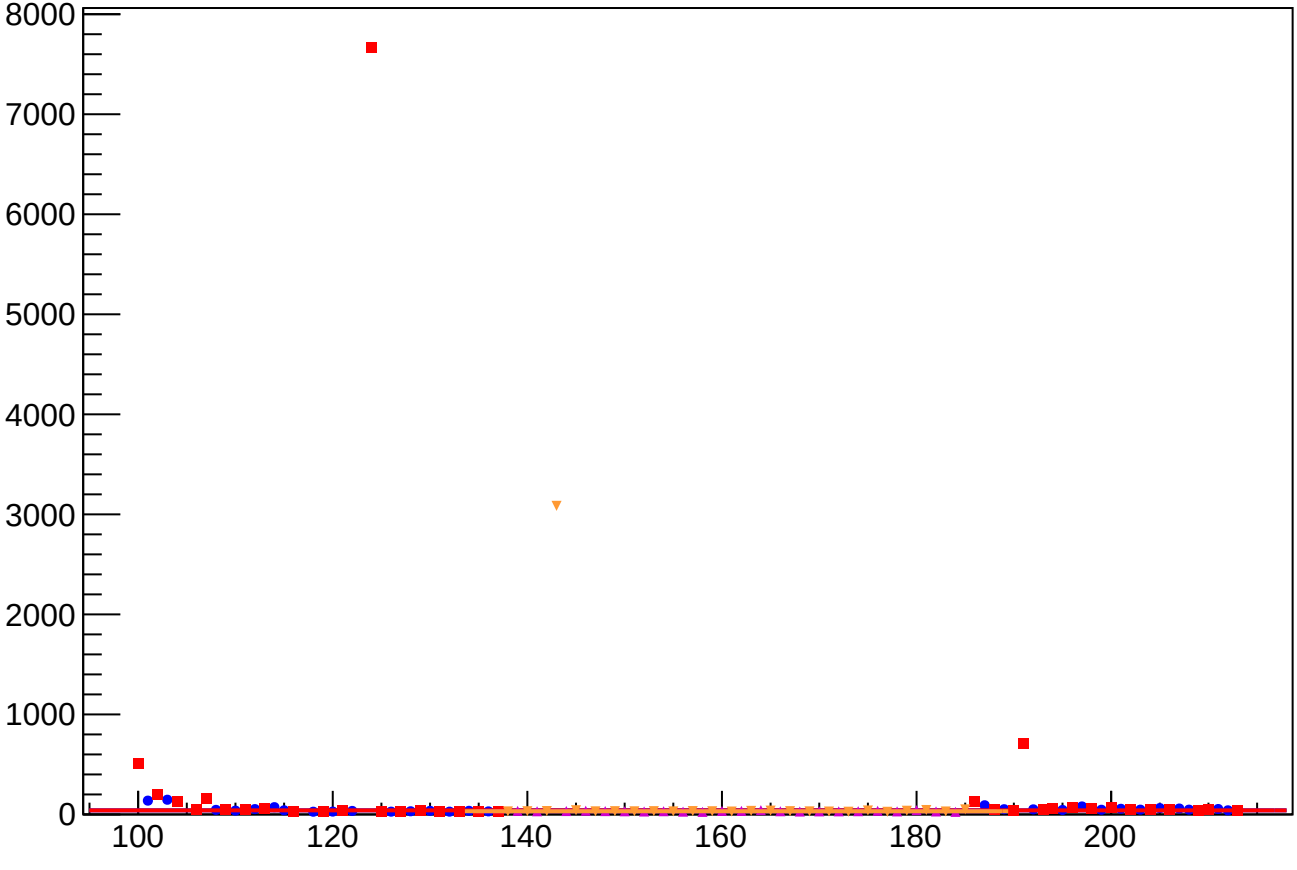
Right: -0.007+/-0.008 χ^2/NDF: 57.5/62

In: -0.005+/-0.007 χ^2/NDF:50.3/51

Out: -0.009+/-0.007 χ^2/NDF:67.7/58

All: -0.007+/-0.005 χ^2/NDF: 118.2/110

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.207+/-0.008 χ^2/NDF: 3355657.0/28

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

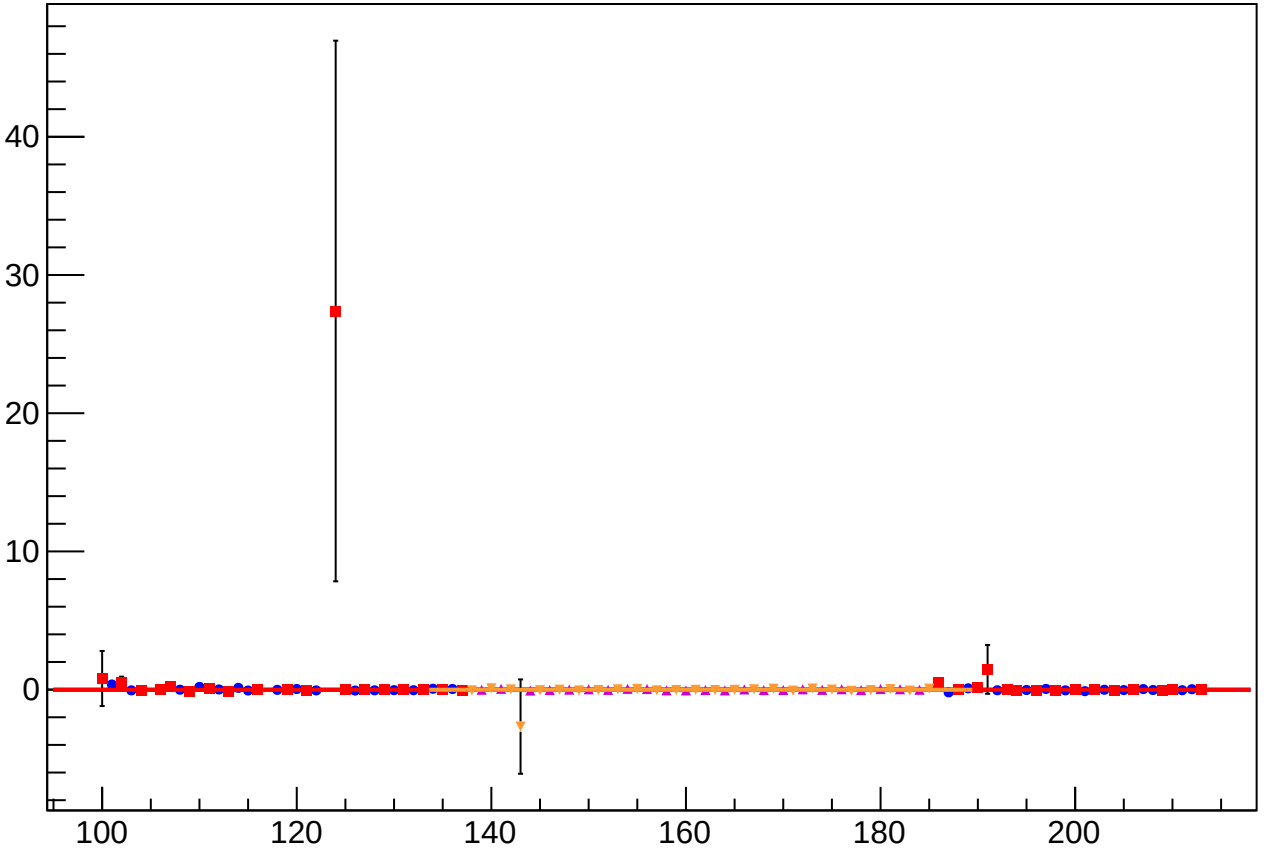
Right: 41.048+/-0.006 χ^2/NDF: 7712043.6/62

In: 35.488+/-0.005 χ^2/NDF:4566317.8/51

Out: 35.333+/-0.005 χ^2/NDF:7253812.3/58

All: 35.410+/-0.003 χ^2/NDF: 11820672.5/110

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.011 χ^2/NDF: 29.4/28

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

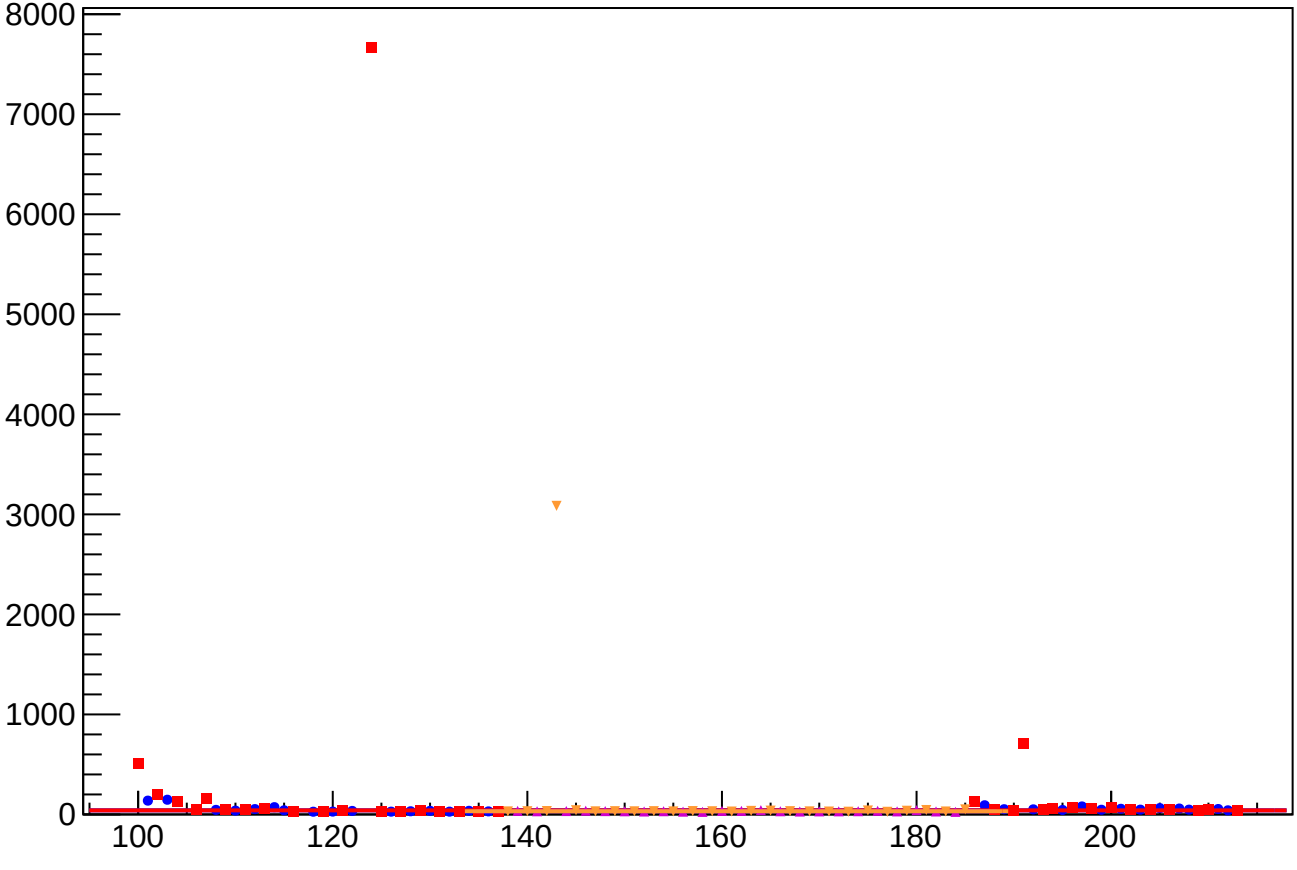
Right: -0.007+/-0.008 χ^2/NDF: 57.5/62

In: -0.005+/-0.007 χ^2/NDF:50.3/51

Out: -0.009+/-0.007 χ^2/NDF:67.7/58

All: -0.007+/-0.005 χ^2/NDF: 118.2/110

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.207+/-0.008 χ^2/NDF: 3355657.0/28

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

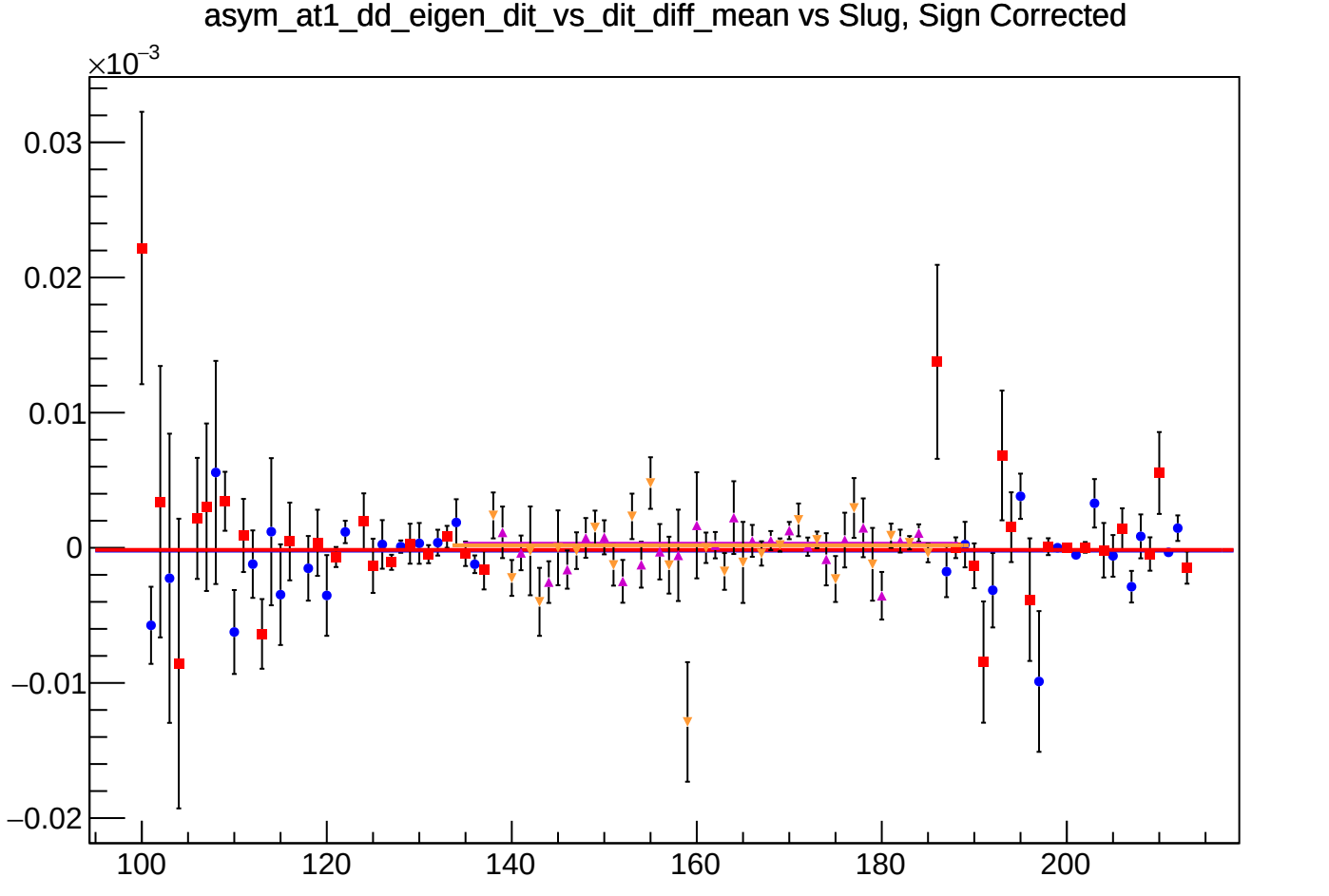
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 41.048+/-0.006 χ^2/NDF: 7712043.6/62

In: 35.488+/-0.005 χ^2/NDF:4566317.8/51

Out: 35.333+/-0.005 χ^2/NDF:7253812.3/58

All: 35.410+/-0.003 χ^2/NDF: 11820672.5/110



Right In: -0.000+/-0.000 χ^2/NDF: 43.8/28

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

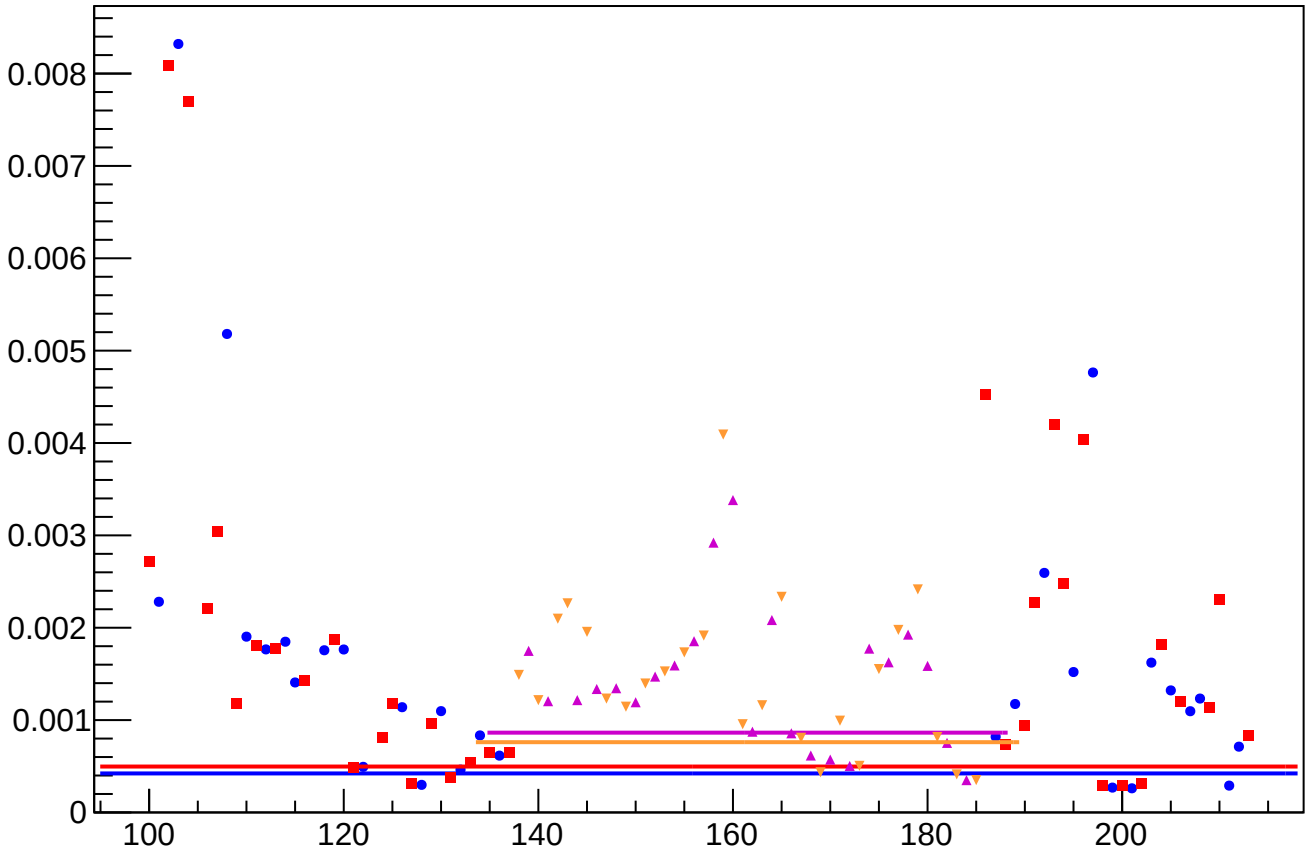
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 83.6/62

In: -0.000+/-0.000 χ^2/NDF:67.4/51

Out: -0.000+/-0.000 χ^2/NDF:78.8/58

All: -0.000+/-0.000 χ^2/NDF: 146.3/110



Right In: 0.000+/-0.000 χ^2/NDF: 14520877.6/28

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

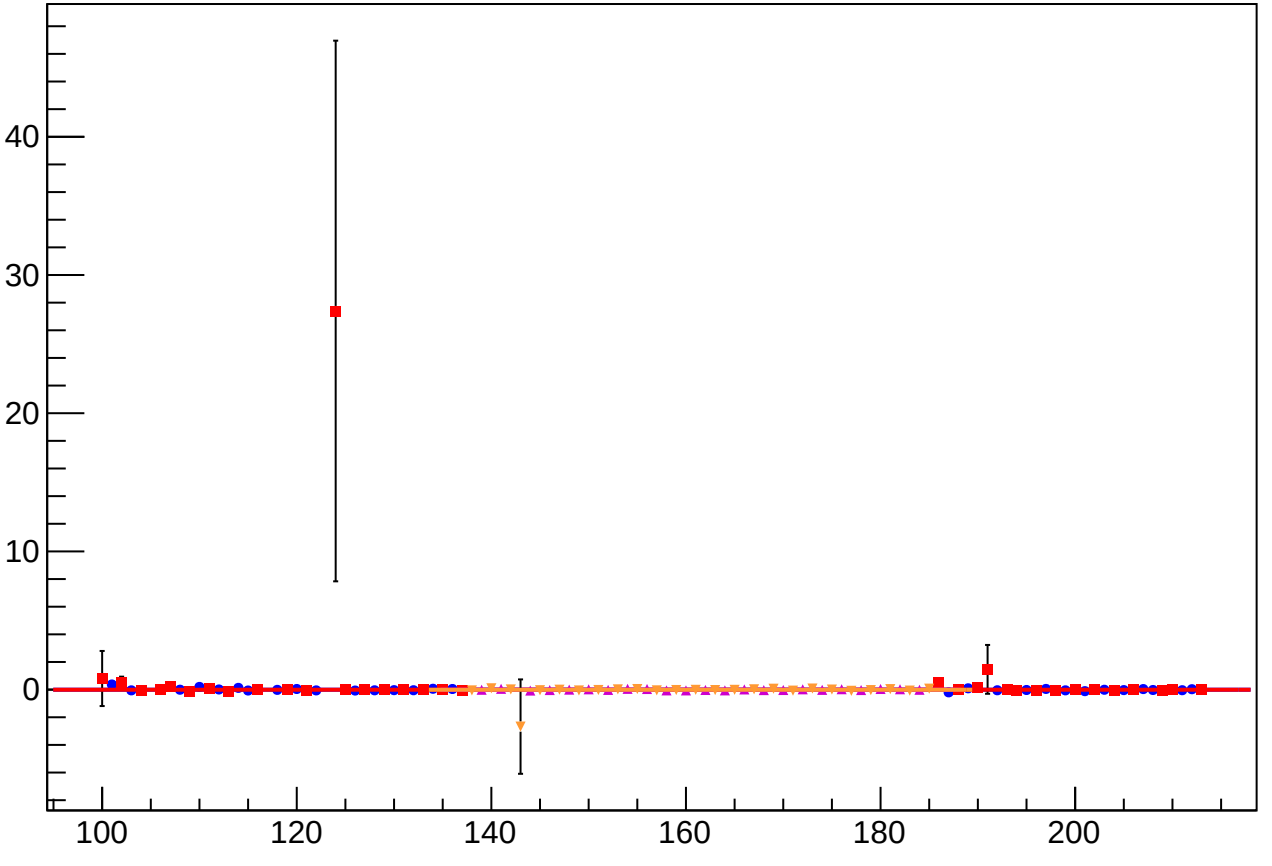
Right: 0.000+/-0.000 χ^2/NDF: 29494571.6/62

In: 0.001+/-0.000 χ^2/NDF:27975450.5/51

Out: 0.001+/-0.000 χ^2/NDF:27742362.7/58

All: 0.001+/-0.000 χ^2/NDF: 55933209.3/110

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.011 χ^2/NDF: 29.4/28

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

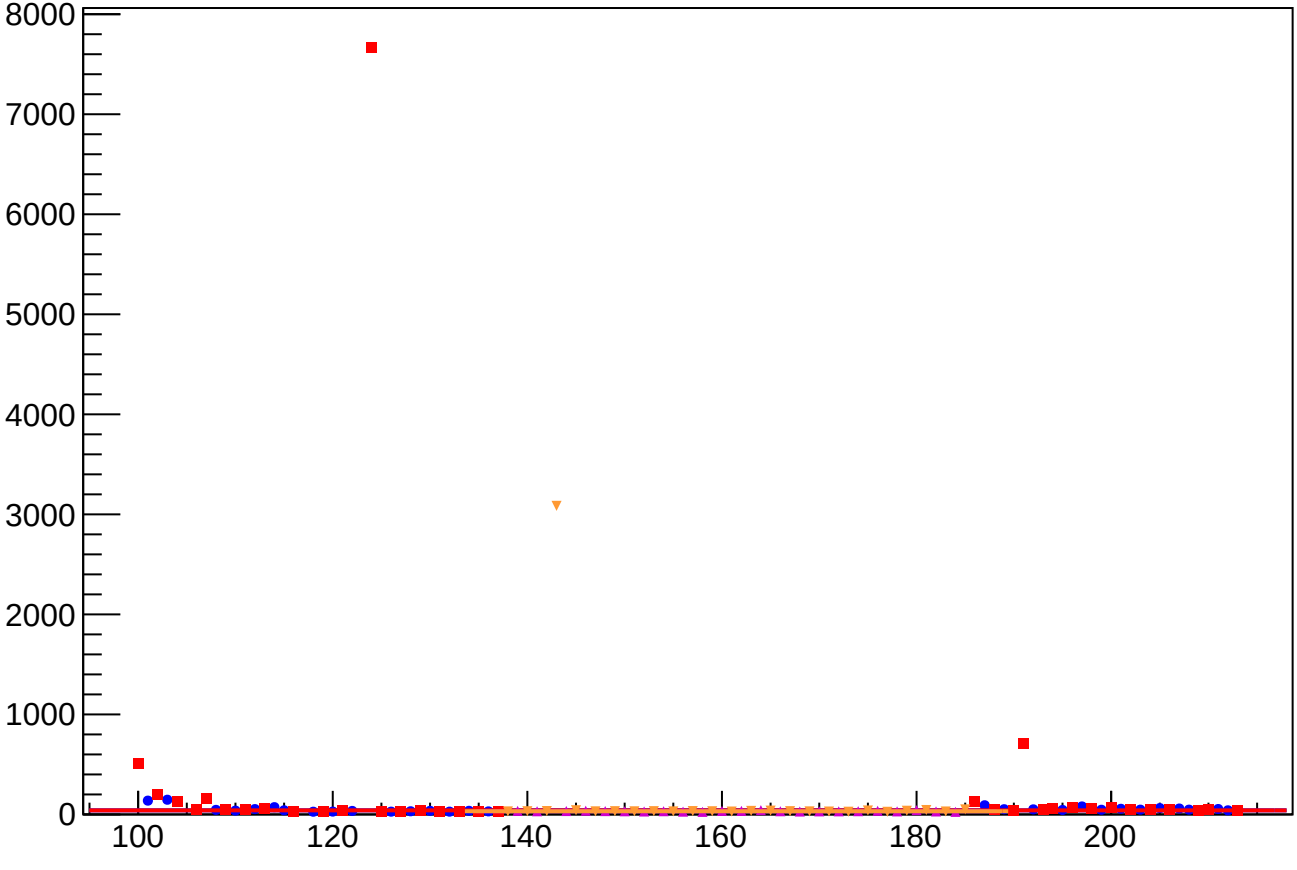
Right: -0.007+/-0.008 χ^2/NDF: 57.5/62

In: -0.005+/-0.007 χ^2/NDF:50.3/51

Out: -0.009+/-0.007 χ^2/NDF:67.7/58

All: -0.007+/-0.005 χ^2/NDF: 118.2/110

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.207+/-0.008 χ^2/NDF: 3355650.9/28

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

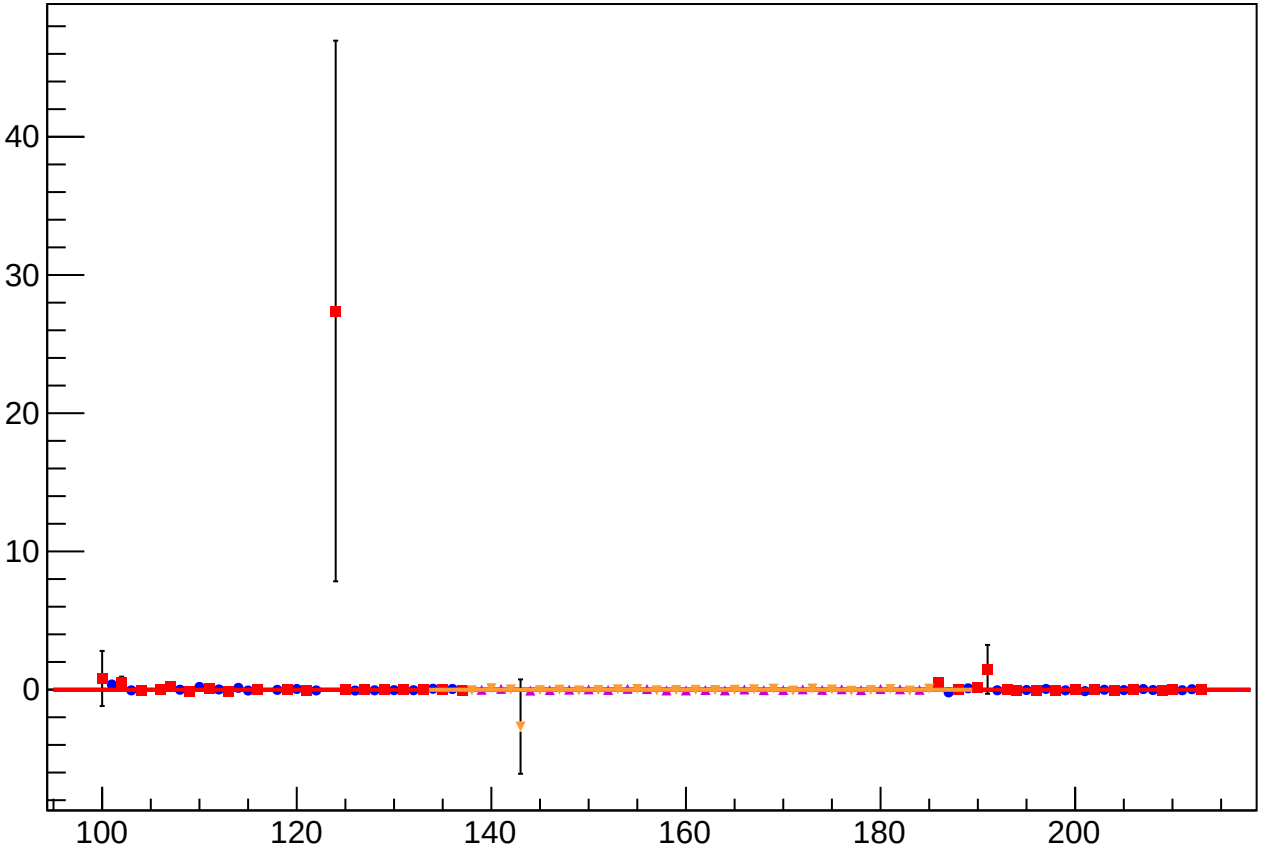
Right: 41.048+/-0.006 χ^2/NDF: 7712051.7/62

In: 35.488+/-0.005 χ^2/NDF:4566184.6/51

Out: 35.333+/-0.005 χ^2/NDF:7253890.1/58

All: 35.410+/-0.003 χ^2/NDF: 11820618.6/110

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.011 χ^2/NDF: 29.4/28

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

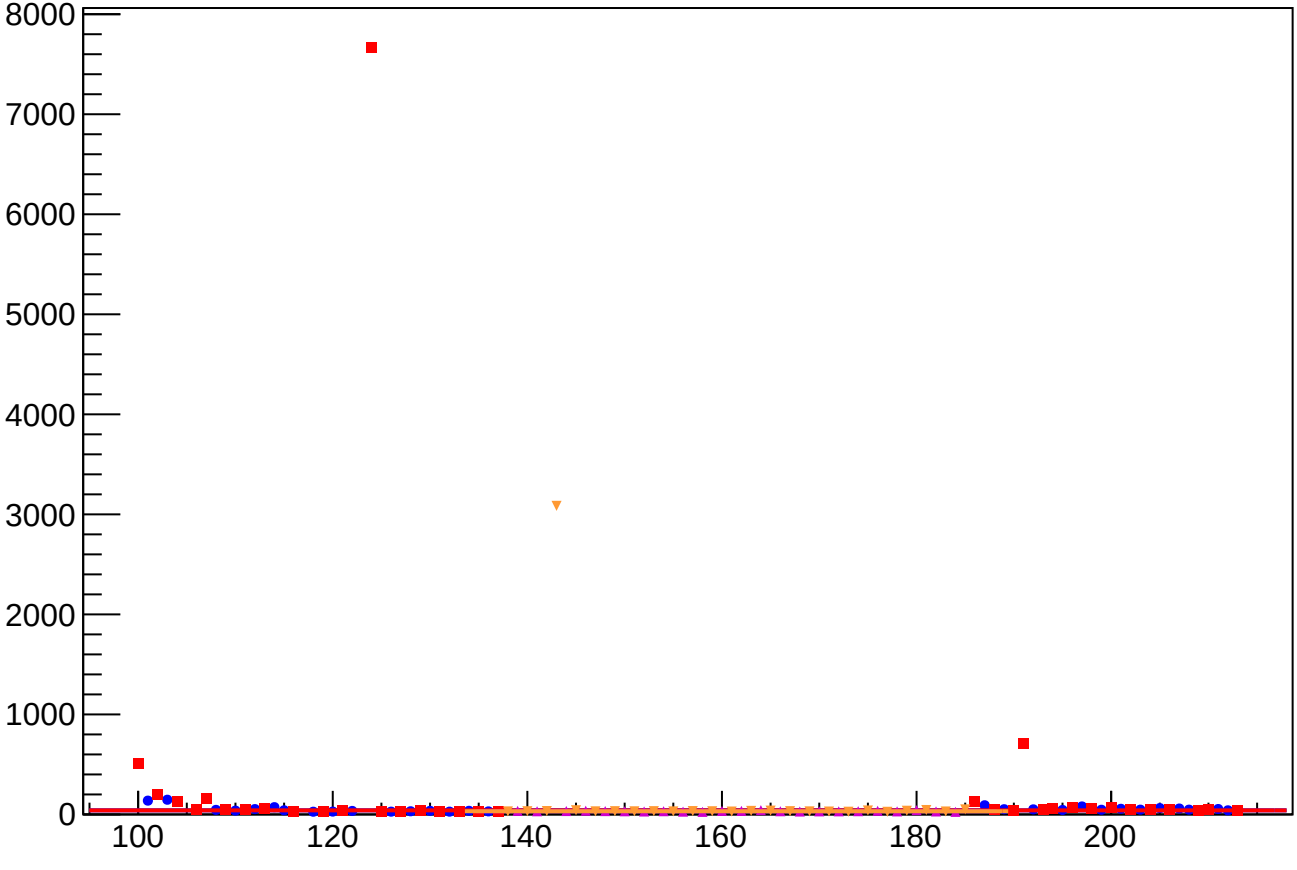
Right: -0.007+/-0.008 χ^2/NDF: 57.5/62

In: -0.005+/-0.007 χ^2/NDF:50.3/51

Out: -0.009+/-0.007 χ^2/NDF:67.7/58

All: -0.007+/-0.005 χ^2/NDF: 118.2/110

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.207+/-0.008 χ^2/NDF: 3355650.9/28

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

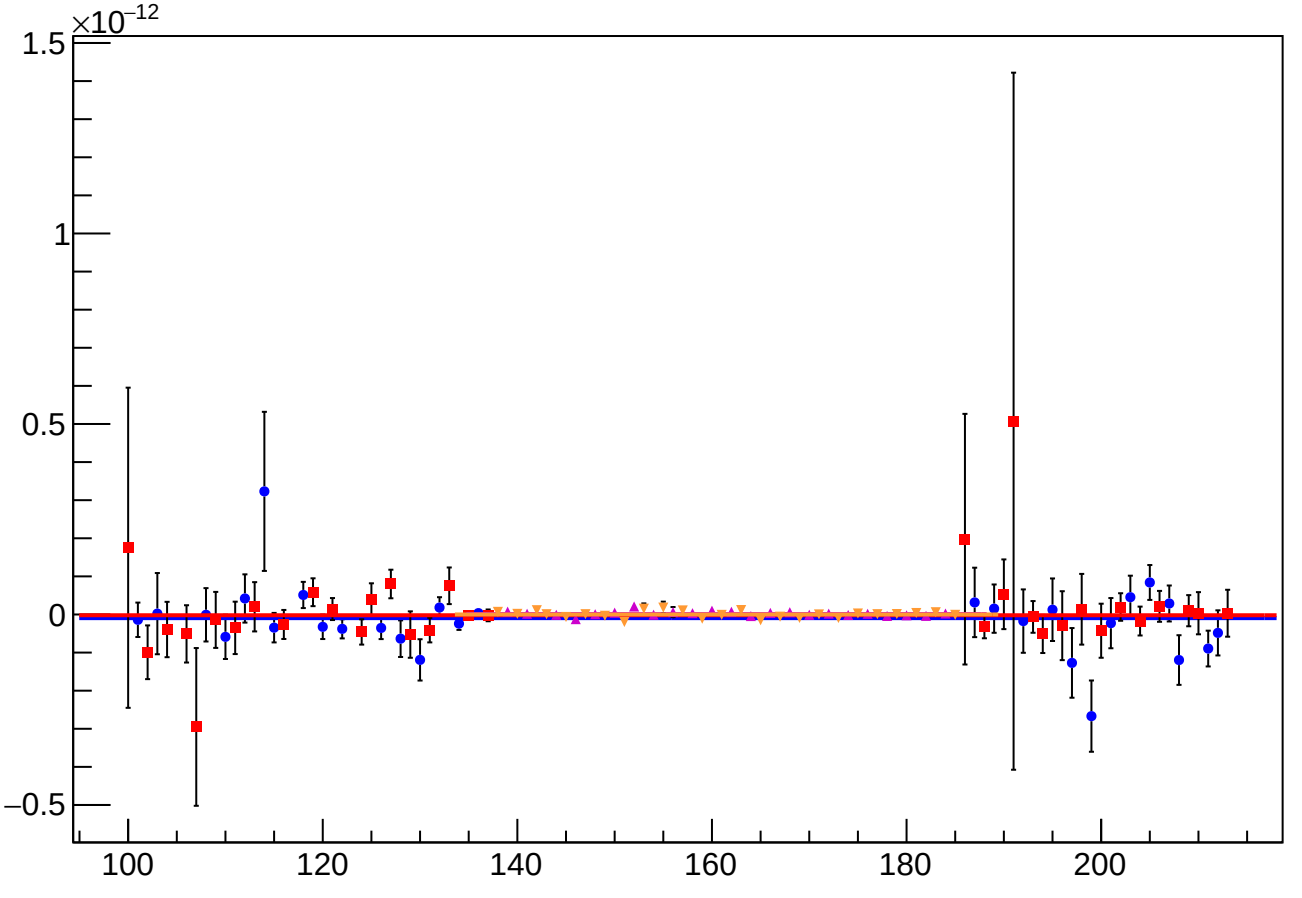
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 41.048+/-0.006 χ^2/NDF: 7712051.7/62

In: 35.488+/-0.005 χ^2/NDF:4566184.6/51

Out: 35.333+/-0.005 χ^2/NDF:7253890.1/58

All: 35.410+/-0.003 χ^2/NDF: 11820618.6/110



Right In: -0.000+/-0.000 χ^2/NDF: 41.0/28

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

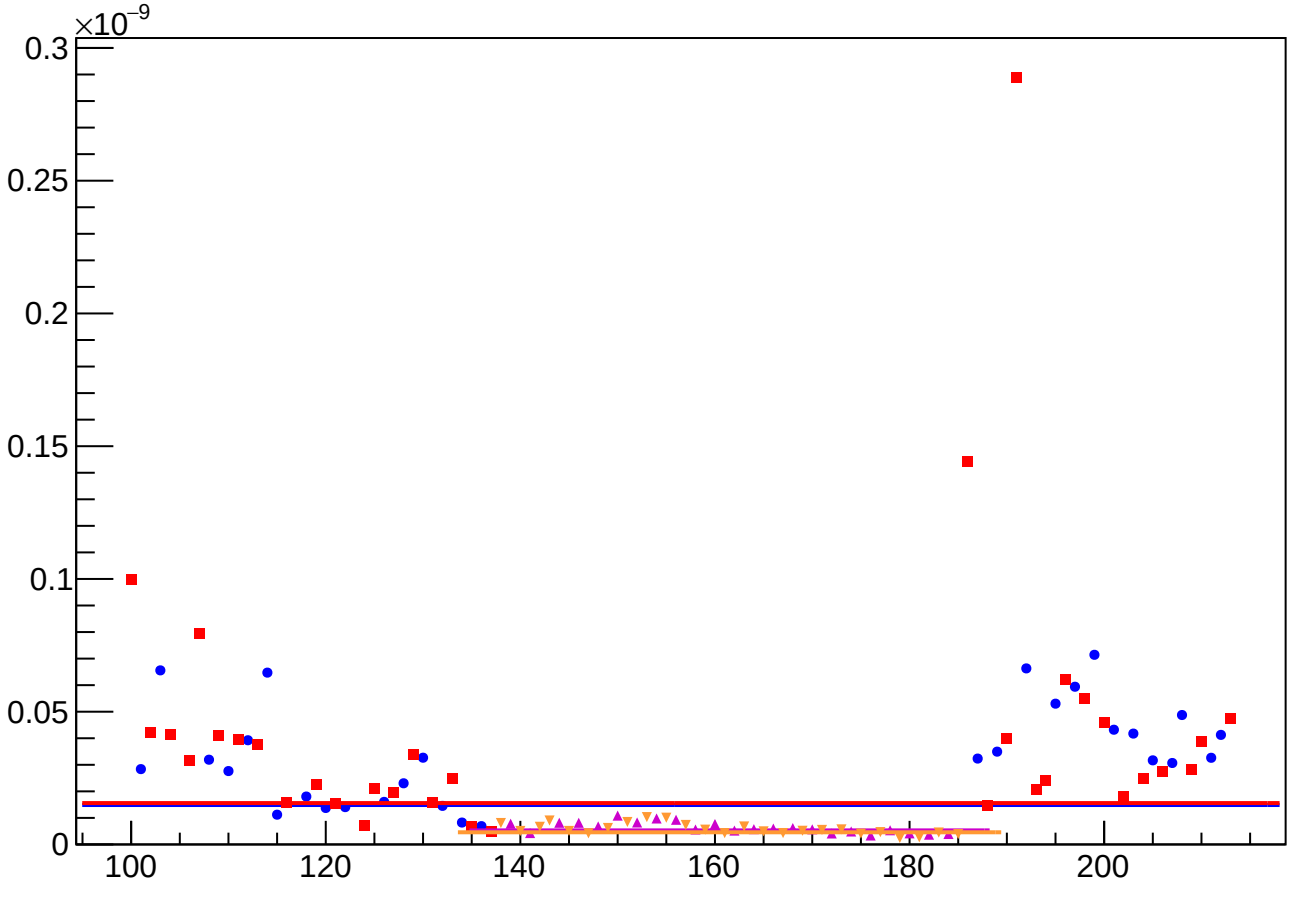
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 67.0/62

In: 0.000+/-0.000 χ^2/NDF:53.1/51

Out: -0.000+/-0.000 χ^2/NDF:46.5/58

All: 0.000+/-0.000 χ^2/NDF: 99.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 8641837.3/28

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

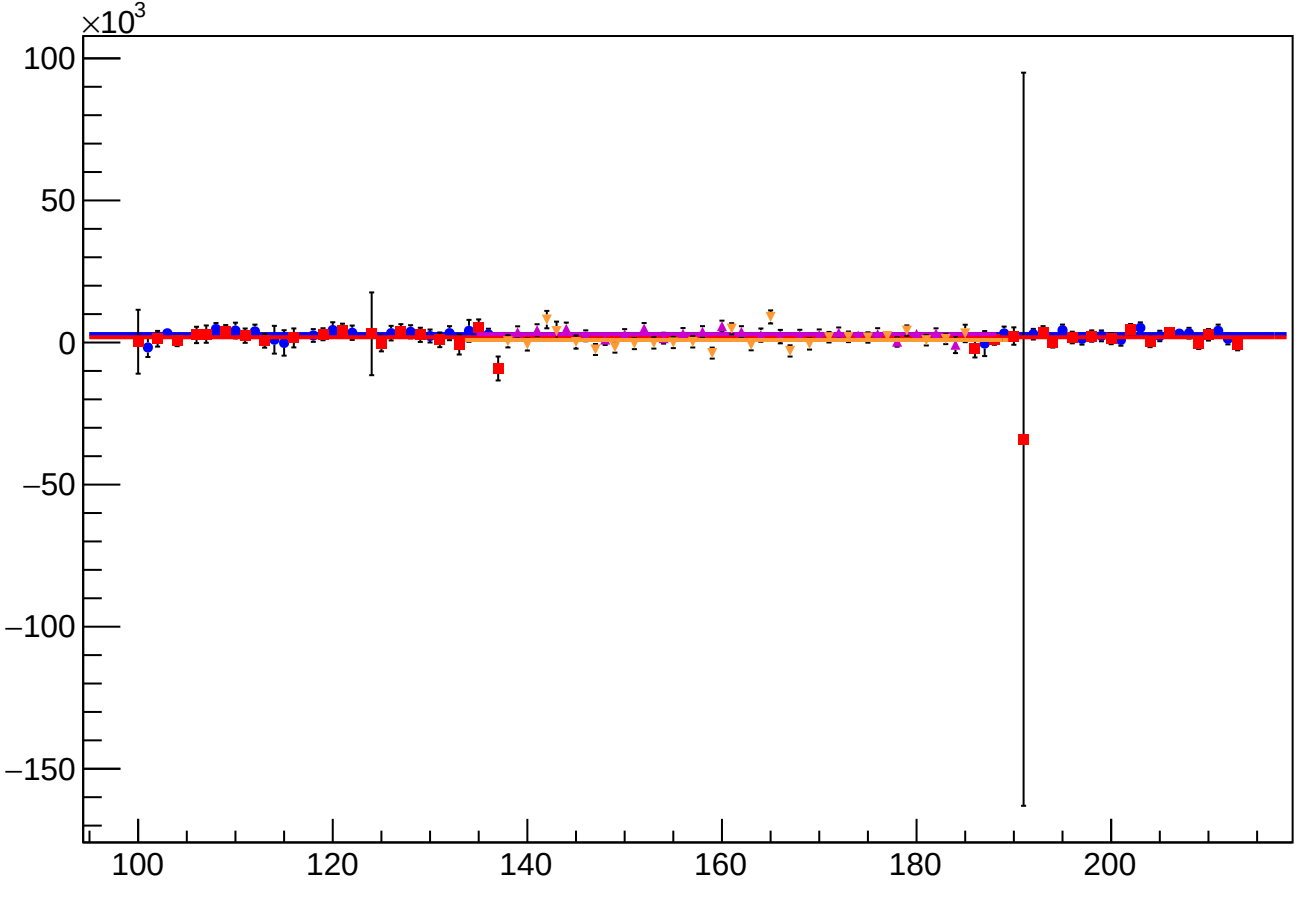
Right: 0.000+/-0.000 χ^2/NDF: 16198267.5/62

In: 0.000+/-0.000 χ^2/NDF:15595065.3/51

Out: 0.000+/-0.000 χ^2/NDF:16076294.5/58

All: 0.000+/-0.000 χ^2/NDF: 31972030.3/110

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2976.169+/-417.513 χ^2/NDF: 9.8/28

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

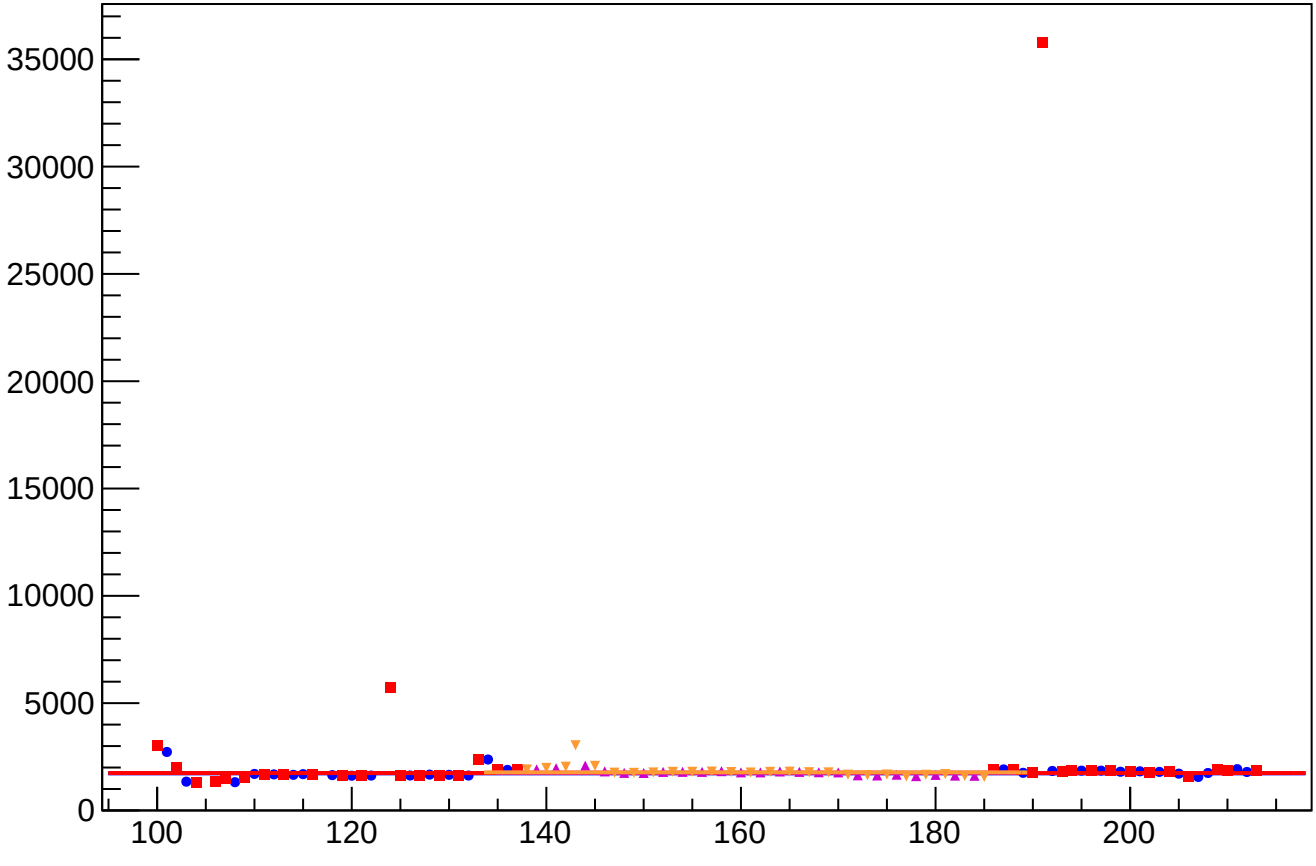
Right: 2401.235+/-291.651 χ^2/NDF: 38.5/62

In: 2959.512+/-293.283 χ^2/NDF:20.3/51

Out: 1373.731+/-287.479 χ^2/NDF:73.0/58

All: 2150.776+/-205.300 χ^2/NDF: 108.3/110

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1729.149+/-0.295 χ^2/NDF: 513406.5/28

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

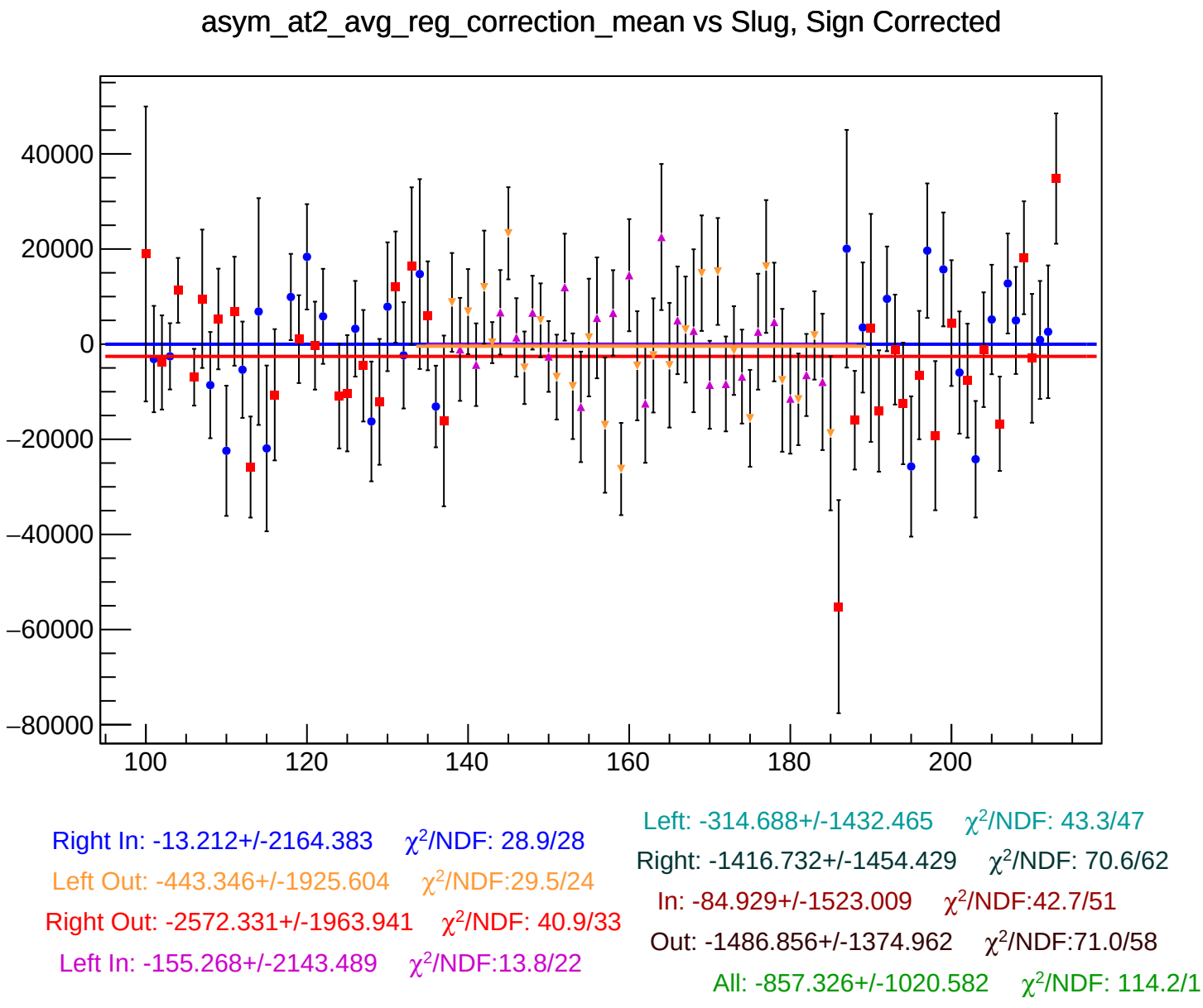
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

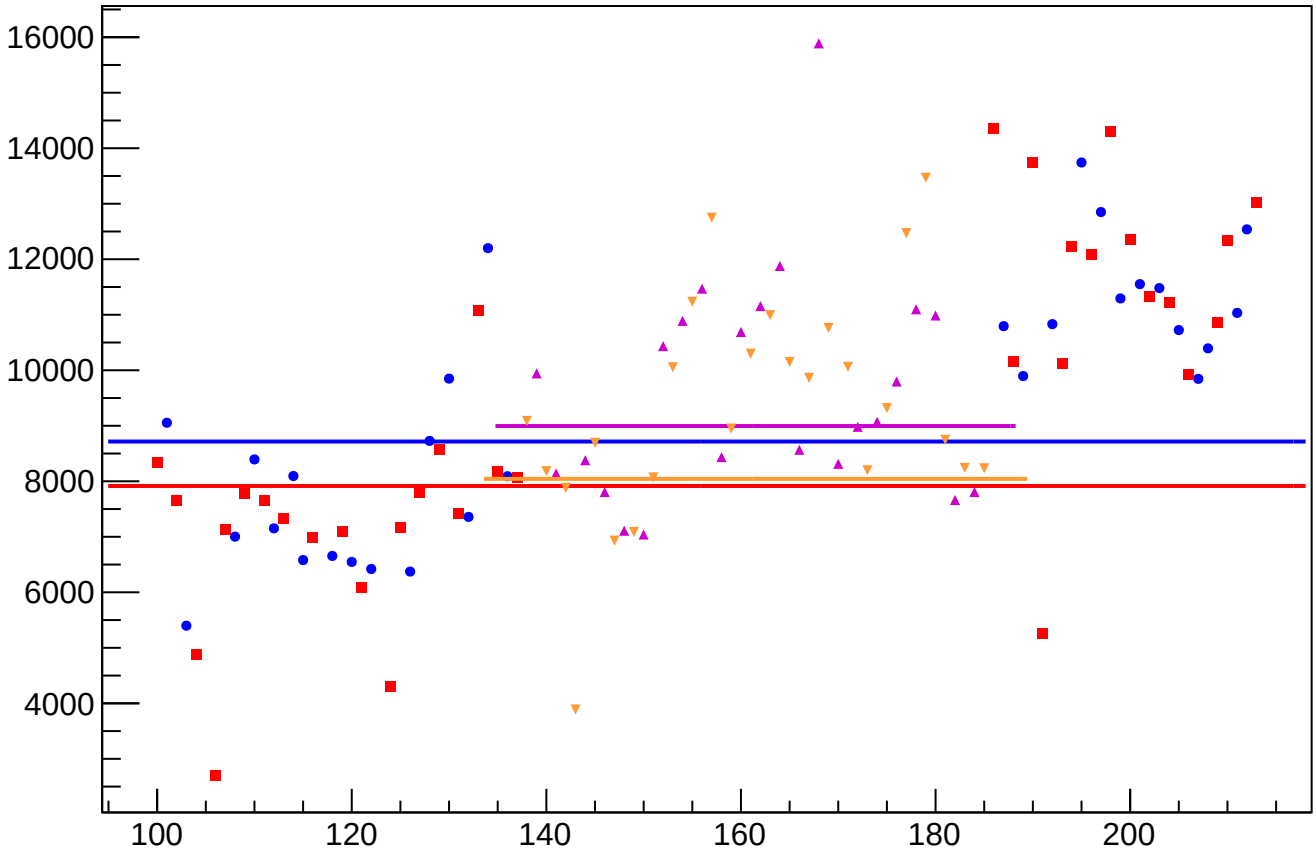
Right: 1736.058+/-0.206 χ^2/NDF: 1238181.0/62

In: 1745.329+/-0.207 χ^2/NDF:665601.9/51

Out: 1758.767+/-0.203 χ^2/NDF:1176830.0/58

All: 1752.182+/-0.145 χ^2/NDF: 1844573.4/11


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -13.212+/-2164.383 χ²/NDF: 28.9/28
Left Out: -443.346+/-1925.604 χ²/NDF:29.5/24
Right Out: -2572.331+/-1963.941 χ²/NDF: 40.9/33
Left In: -155.268+/-2143.489 χ²/NDF:13.8/22
Left: -314.688+/-1432.465 χ²/NDF: 43.3/47
Right: -1416.732+/-1454.429 χ²/NDF: 70.6/62
In: -84.929+/-1523.009 χ²/NDF:42.7/51
Out: -1486.856+/-1374.962 χ²/NDF:71.0/58
All: -857.326+/-1020.582 χ²/NDF: 114.2/110



Right In: 8716.174+/-1.530 χ^2/NDF: 2237912.2/28

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 7915.579+/-1.389 χ^2/NDF: 4867188.4/33

Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

Left: 8468.911+/-1.013 χ^2/NDF: 4788197.5/47

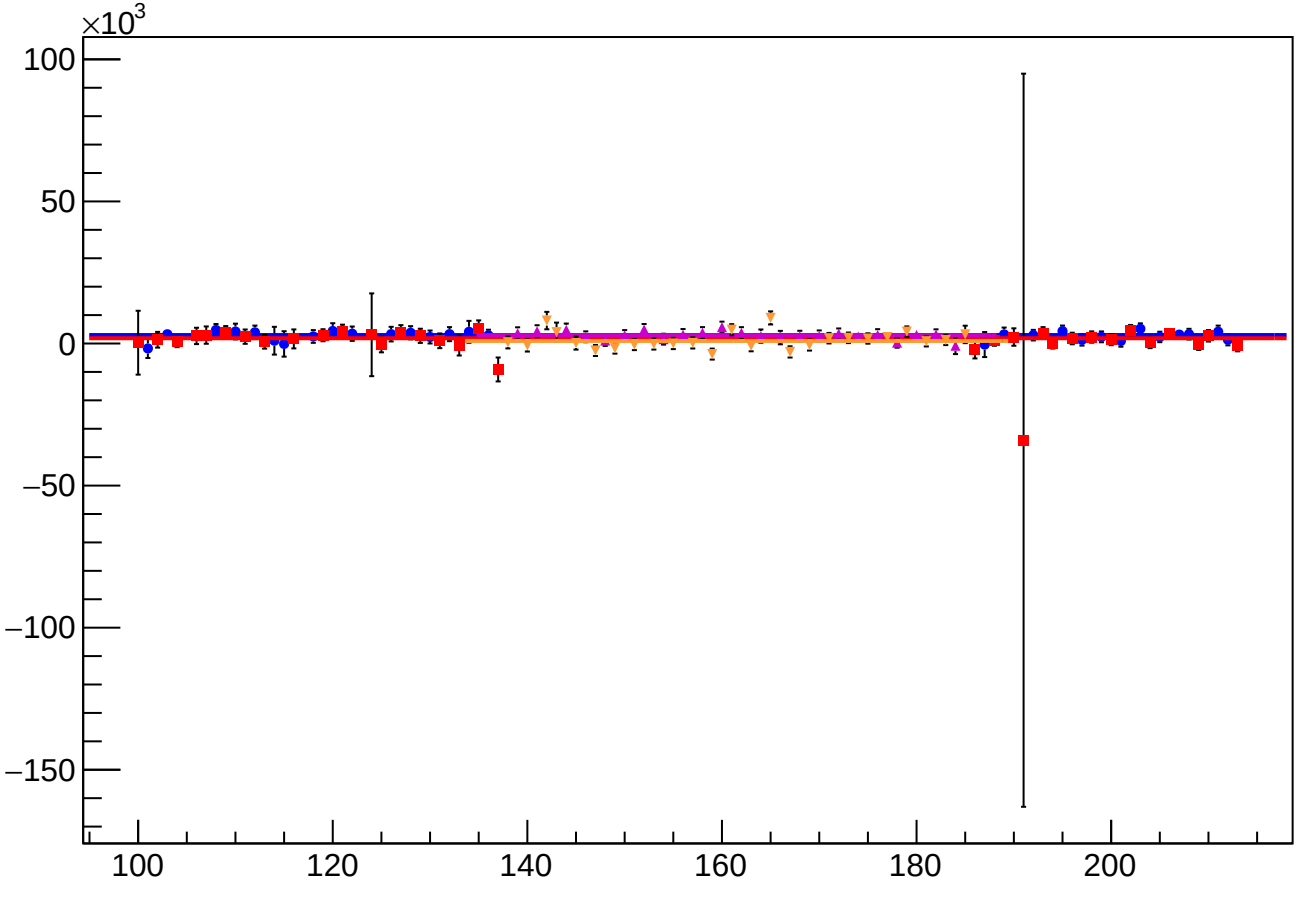
Right: 8277.096+/-1.028 χ^2/NDF: 7255178.4/62

In: 8857.255+/-1.077 χ^2/NDF:3461877.7/51

Out: 7980.970+/-0.972 χ^2/NDF:8234375.7/58

All: 8374.463+/-0.722 χ^2/NDF: 12061033.7/1

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2976.230+/-417.513 χ^2/NDF: 9.8/28

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

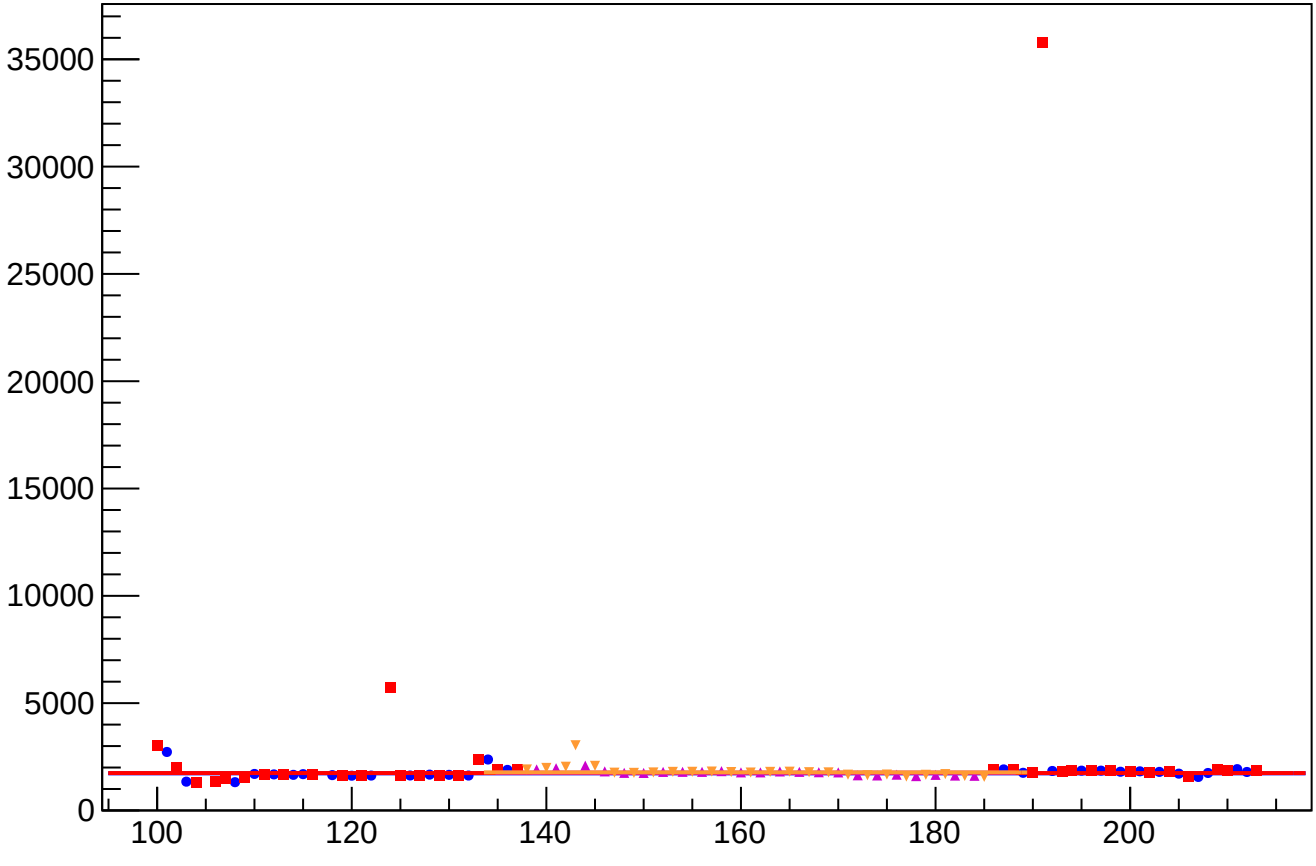
Right: 2401.244+/-291.651 χ^2/NDF: 38.5/62

In: 2959.484+/-293.283 χ^2/NDF:20.3/51

Out: 1373.671+/-287.479 χ^2/NDF:73.1/58

All: 2150.732+/-205.300 χ^2/NDF: 108.3/110

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1729.149+/-0.295 χ^2/NDF: 513406.9/28

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

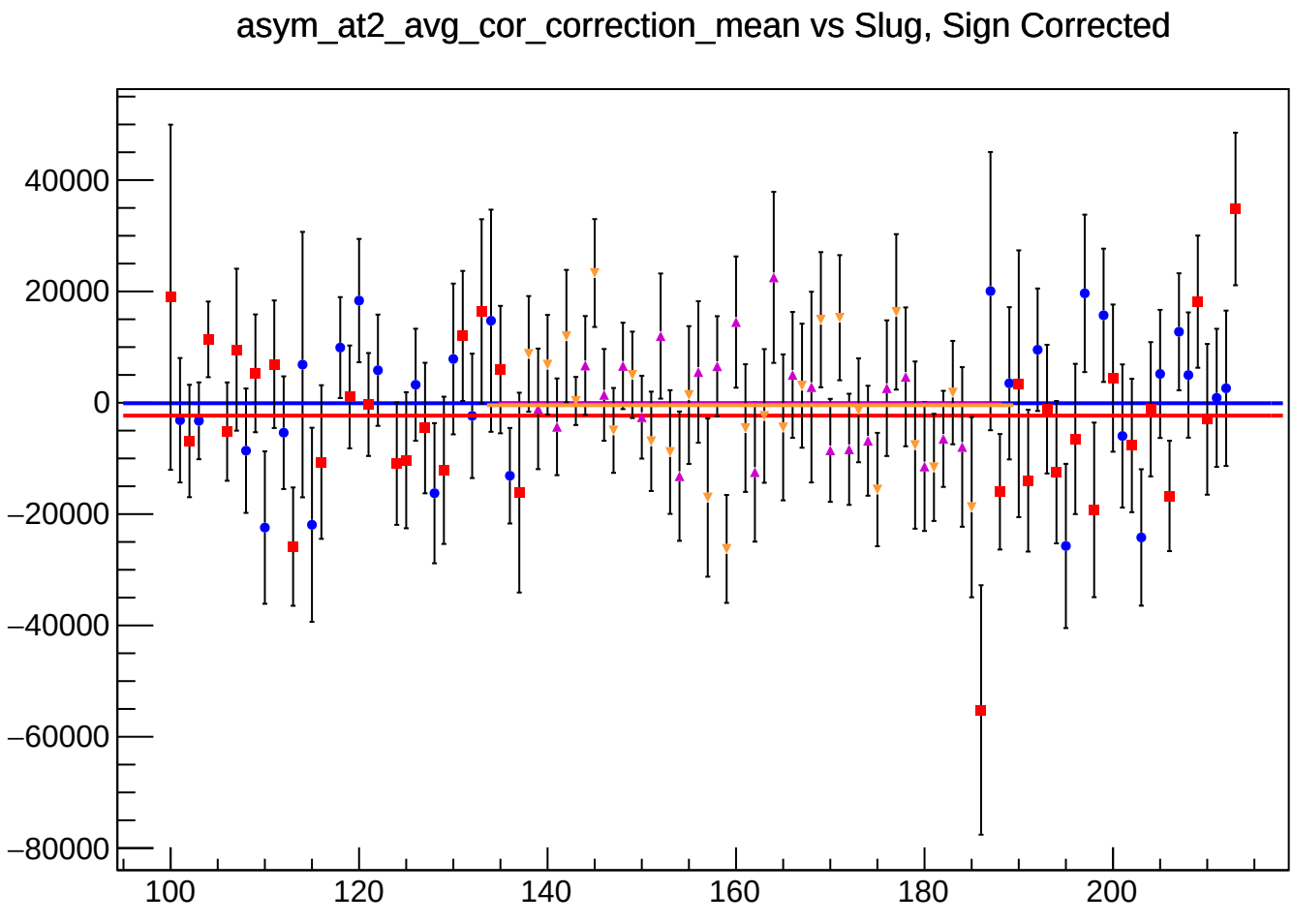
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1736.058+/-0.206 χ^2/NDF: 1238181.7/62

In: 1745.329+/-0.207 χ^2/NDF:665602.4/51

Out: 1758.767+/-0.203 χ^2/NDF:1176830.2/58

All: 1752.182+/-0.145 χ^2/NDF: 1844574.1/11



Right In: -84.088+/-2162.583 χ^2/NDF: 29.0/28

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

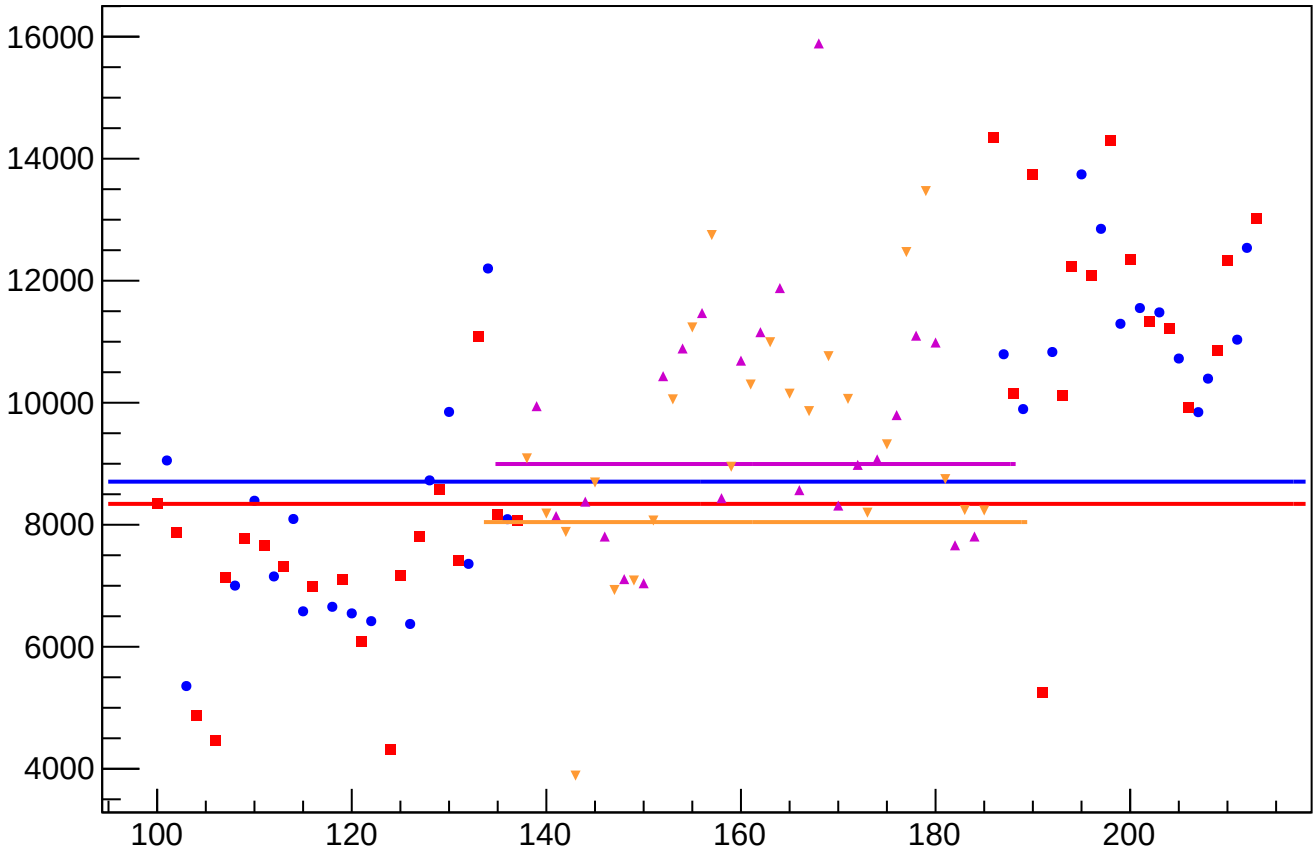
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1269.361+/-1478.353 χ^2/NDF: 70.2/62

In: -119.979+/-1522.380 χ^2/NDF:42.8/51

Out: -1329.118+/-1395.603 χ^2/NDF:70.6/58

All: -776.983+/-1028.745 χ^2/NDF: 113.7/110



Right In: 8706.496+/-1.529 χ^2/NDF: 2257513.9/28

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

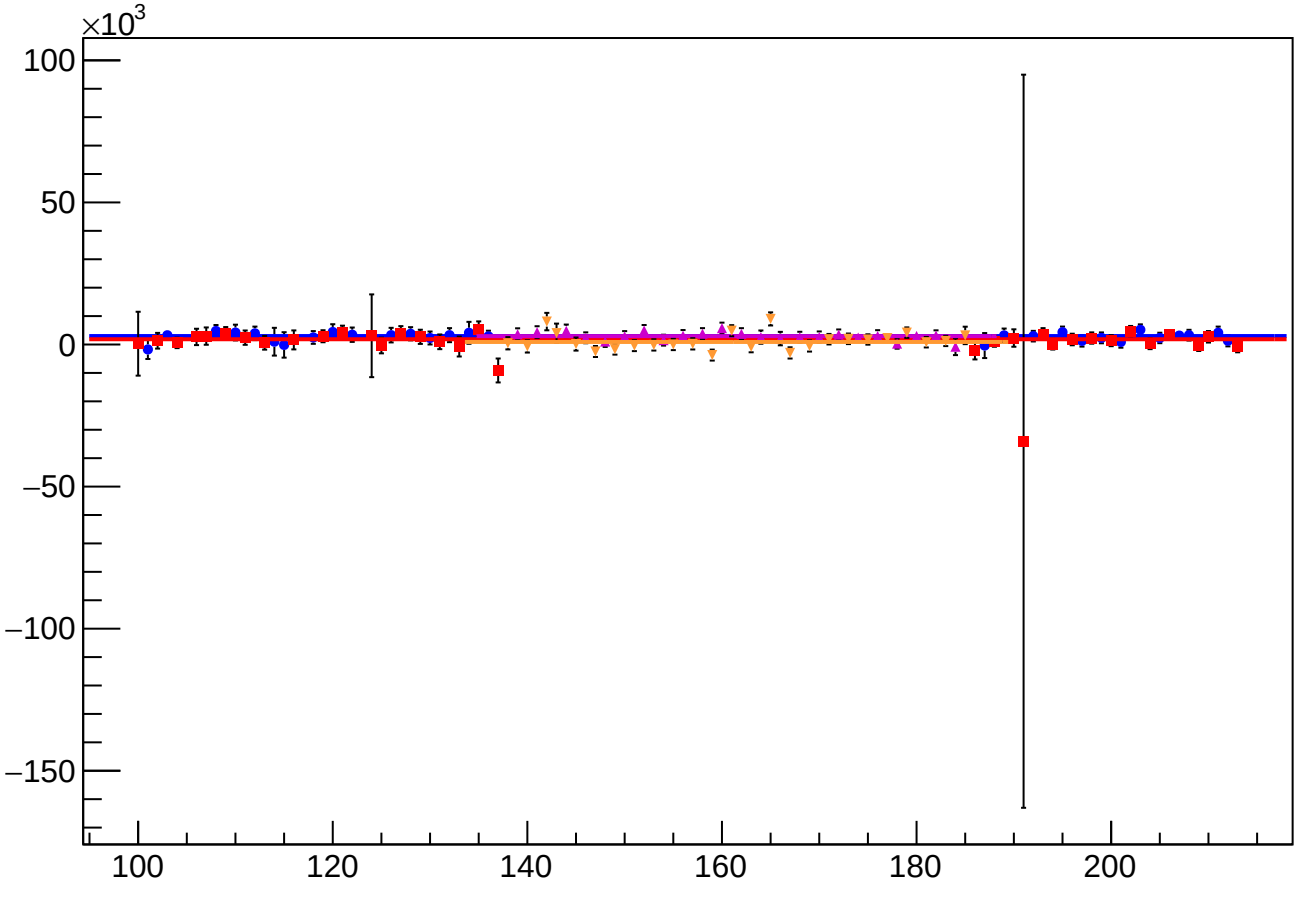
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8512.363+/-1.045 χ^2/NDF: 5846101.8/62

In: 8852.338+/-1.076 χ^2/NDF:3482685.1/51

Out: 8185.391+/-0.987 χ^2/NDF:6944023.7/58

All: 8489.942+/-0.727 χ^2/NDF: 10635281.8/1



Right In: 2976.230+/-417.513 χ^2/NDF: 9.8/28

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

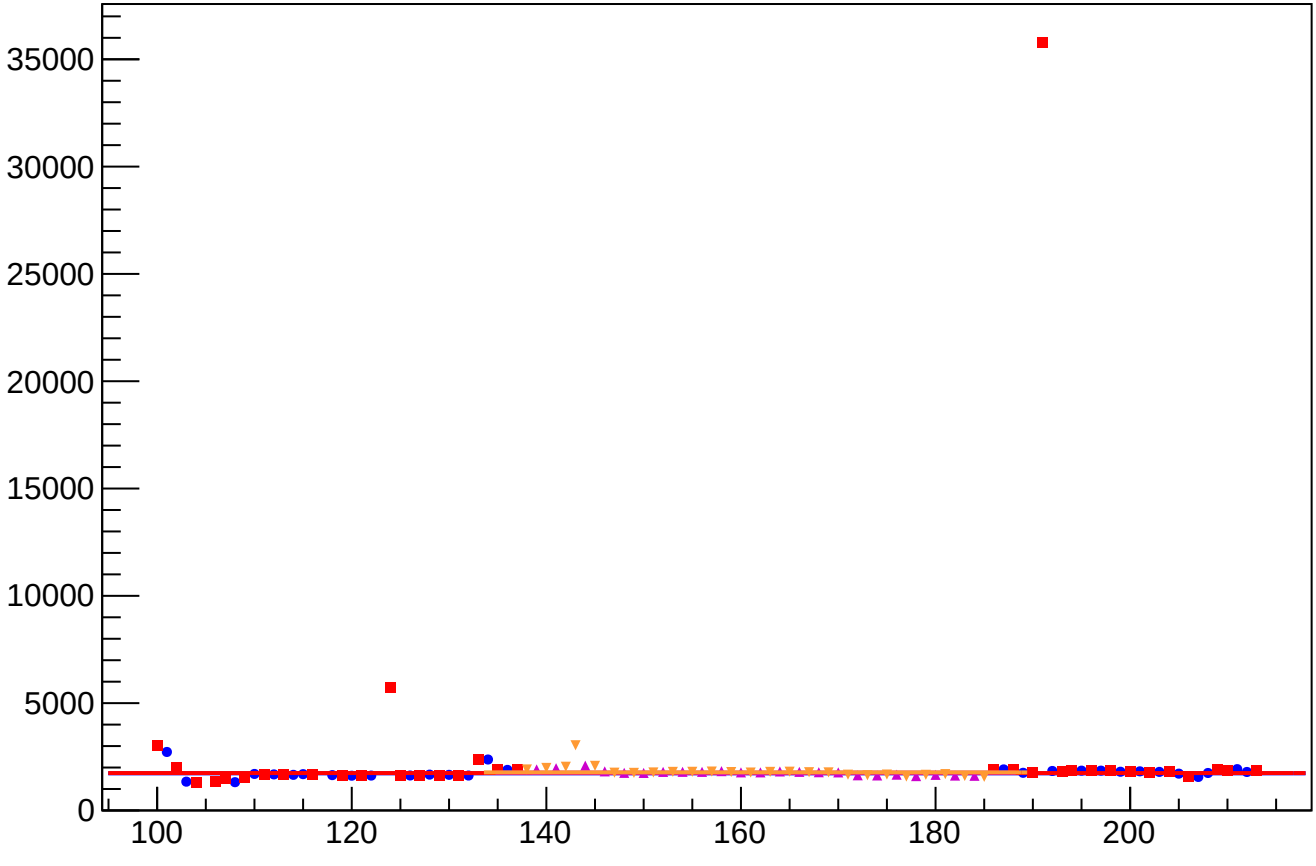
Right: 2401.244+/-291.651 χ^2/NDF: 38.5/62

In: 2959.484+/-293.283 χ^2/NDF:20.3/51

Out: 1373.671+/-287.479 χ^2/NDF:73.1/58

All: 2150.732+/-205.300 χ^2/NDF: 108.3/110

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1729.149+/-0.295 χ^2/NDF: 513406.9/28

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

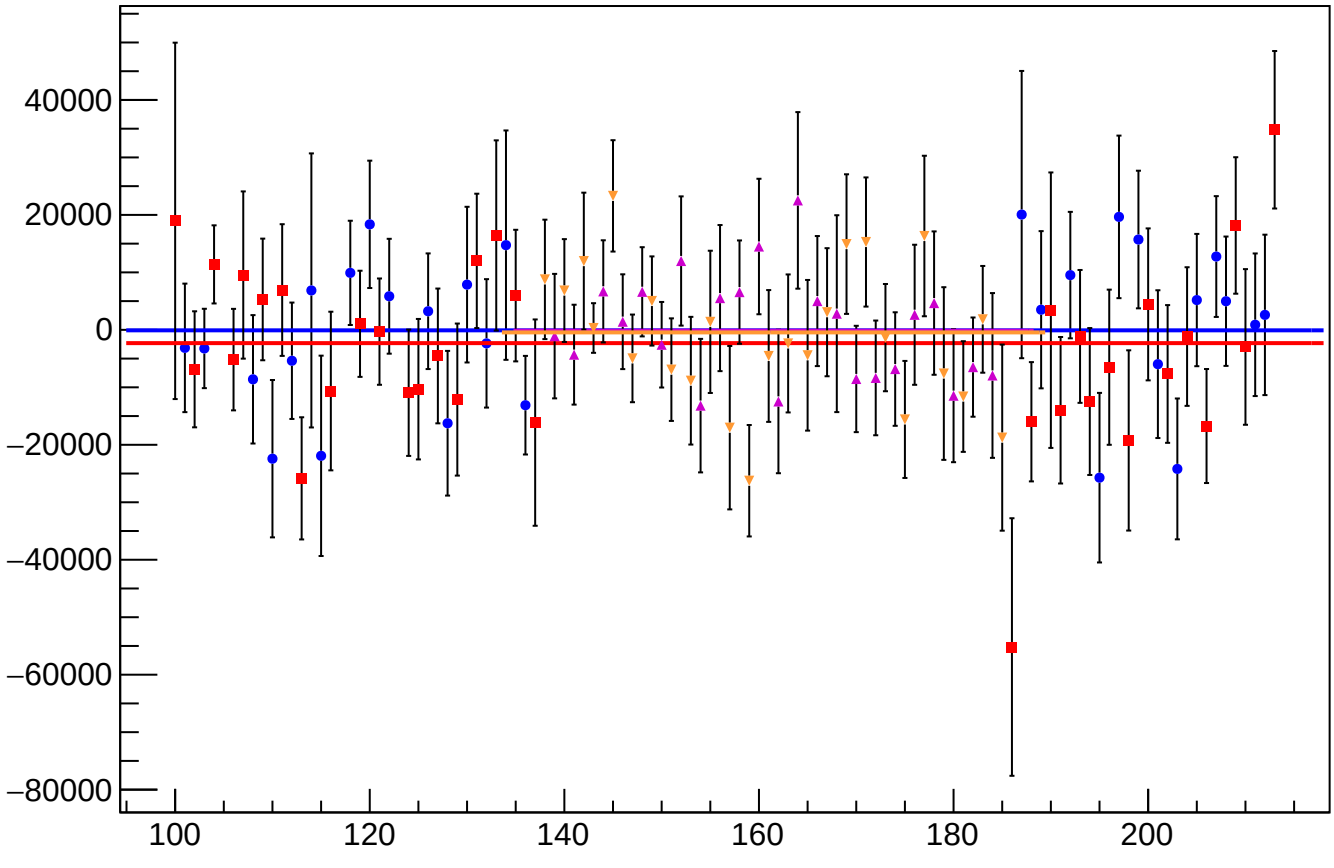
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1736.058+/-0.206 χ^2/NDF: 1238181.7/62

In: 1745.329+/-0.207 χ^2/NDF:665602.4/51

Out: 1758.767+/-0.203 χ^2/NDF:1176830.2/58

All: 1752.182+/-0.145 χ^2/NDF: 1844574.1/11



Right In: -84.088+/-2162.583 χ^2/NDF: 29.0/28

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

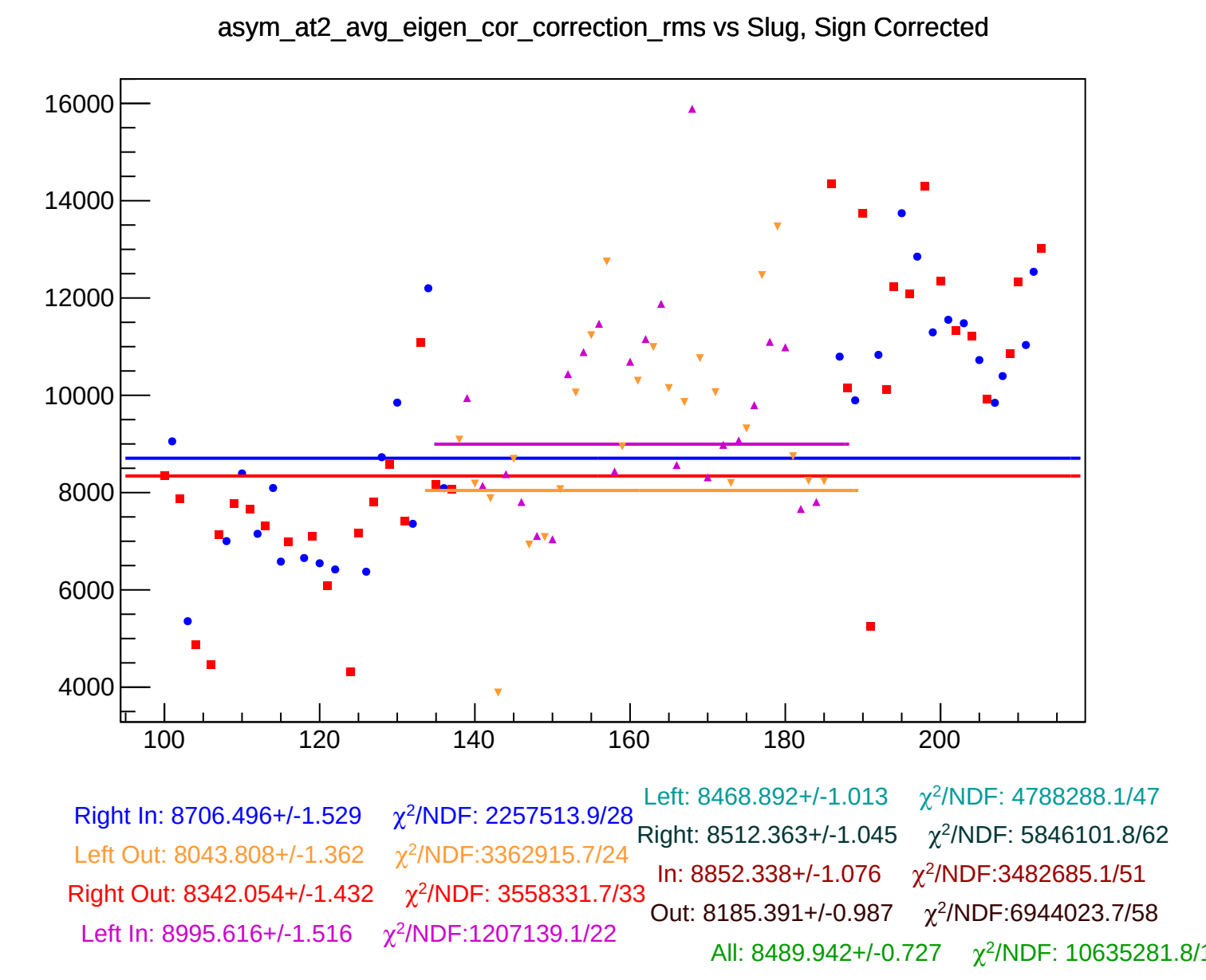
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1269.361+/-1478.353 χ^2/NDF: 70.2/62

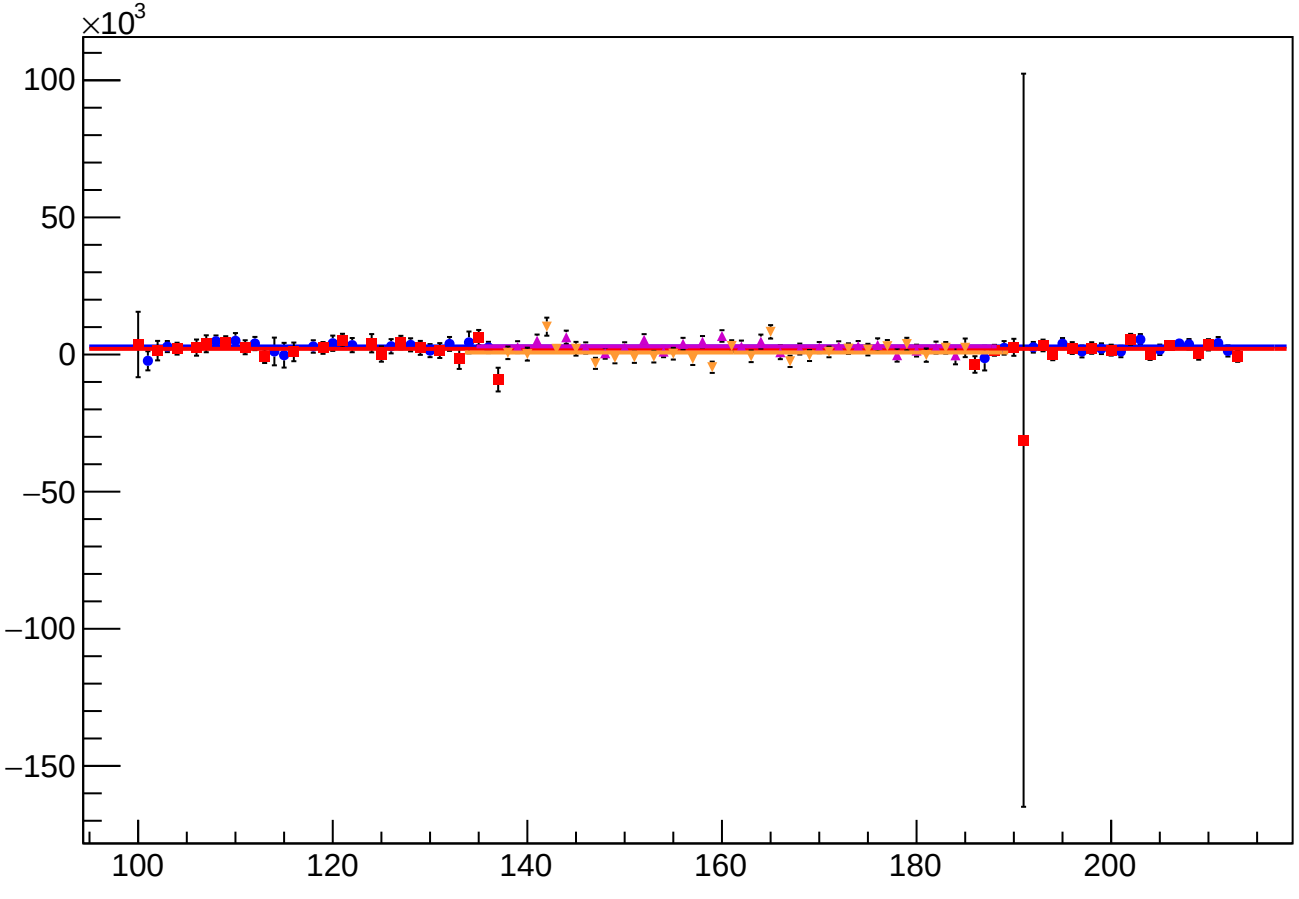
In: -119.979+/-1522.380 χ^2/NDF:42.8/51

Out: -1329.118+/-1395.603 χ^2/NDF:70.6/58

All: -776.983+/-1028.745 χ^2/NDF: 113.7/110


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8706.496+/-1.529 χ²/NDF: 2257513.9/28
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 8342.054+/-1.432 χ²/NDF: 3558331.7/33
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 8512.363+/-1.045 χ²/NDF: 5846101.8/62
In: 8852.338+/-1.076 χ²/NDF:3482685.1/51
Out: 8185.391+/-0.987 χ²/NDF:6944023.7/58
All: 8489.942+/-0.727 χ²/NDF: 10635281.8/

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2946.411+/-431.259 χ^2/NDF: 11.8/28

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

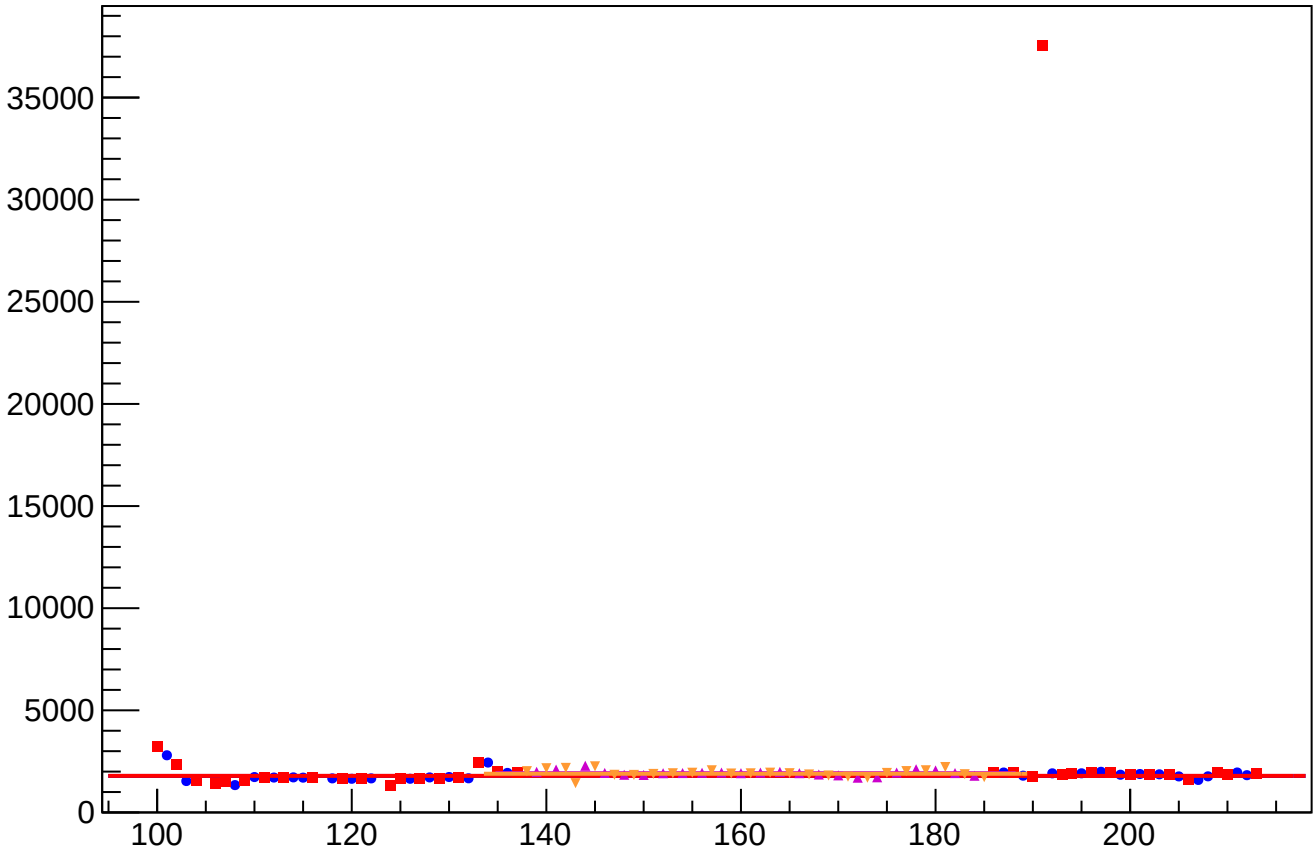
Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

Right: 2497.443+/-300.622 χ^2/NDF: 43.5/62

In: 2962.108+/-311.472 χ^2/NDF:27.4/51

Out: 1427.331+/-301.169 χ^2/NDF:76.1/58

All: 2168.916+/-216.509 χ^2/NDF: 116.1/110



Right In: 1786.463+/-0.305 χ^2/NDF: 468776.0/28

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

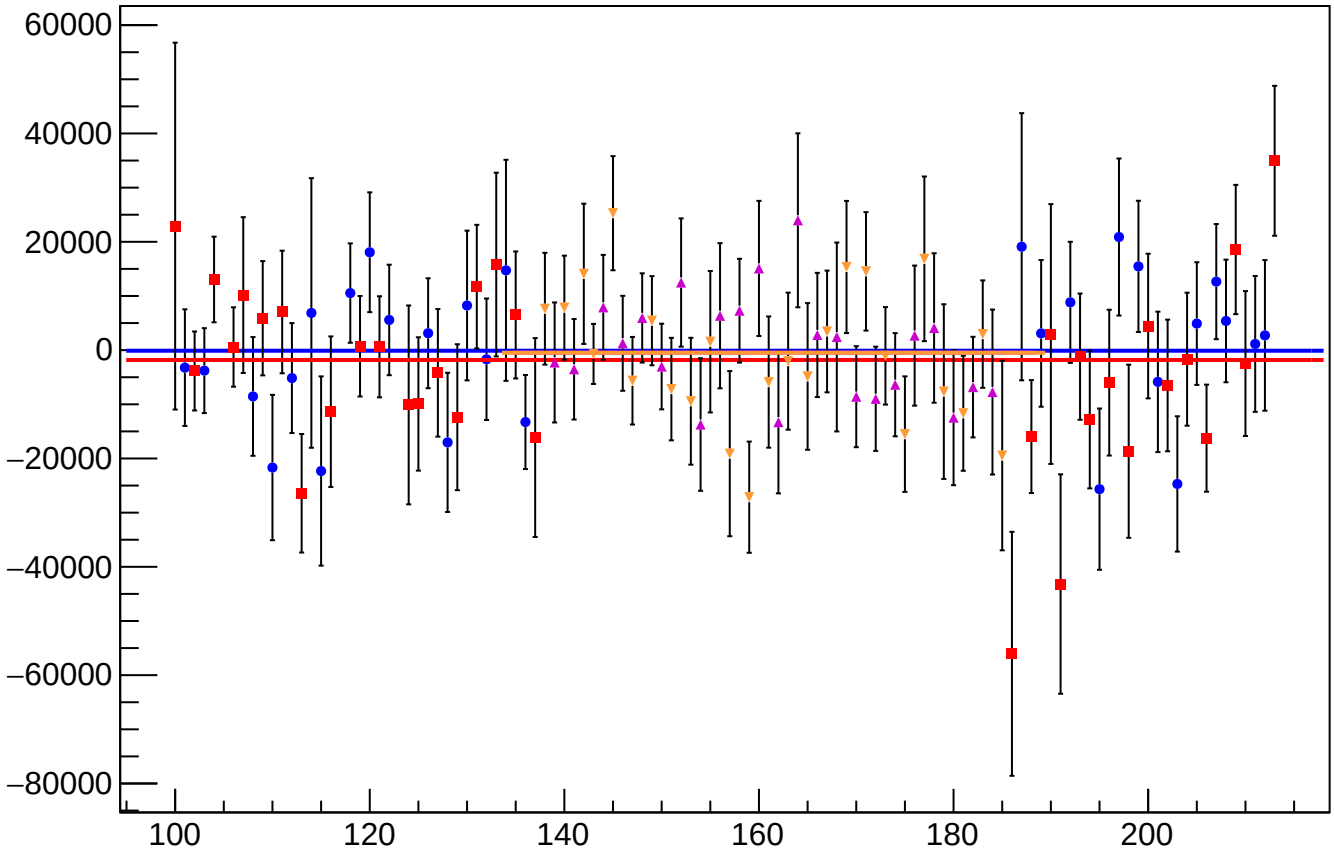
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1788.854+/-0.213 χ^2/NDF: 1053508.5/62

In: 1851.797+/-0.220 χ^2/NDF:715708.2/51

Out: 1841.239+/-0.213 χ^2/NDF:1012280.0/58

All: 1846.340+/-0.153 χ^2/NDF: 1729176.0/11



Right In: -105.090+/-2196.573 χ^2/NDF: 28.8/28

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

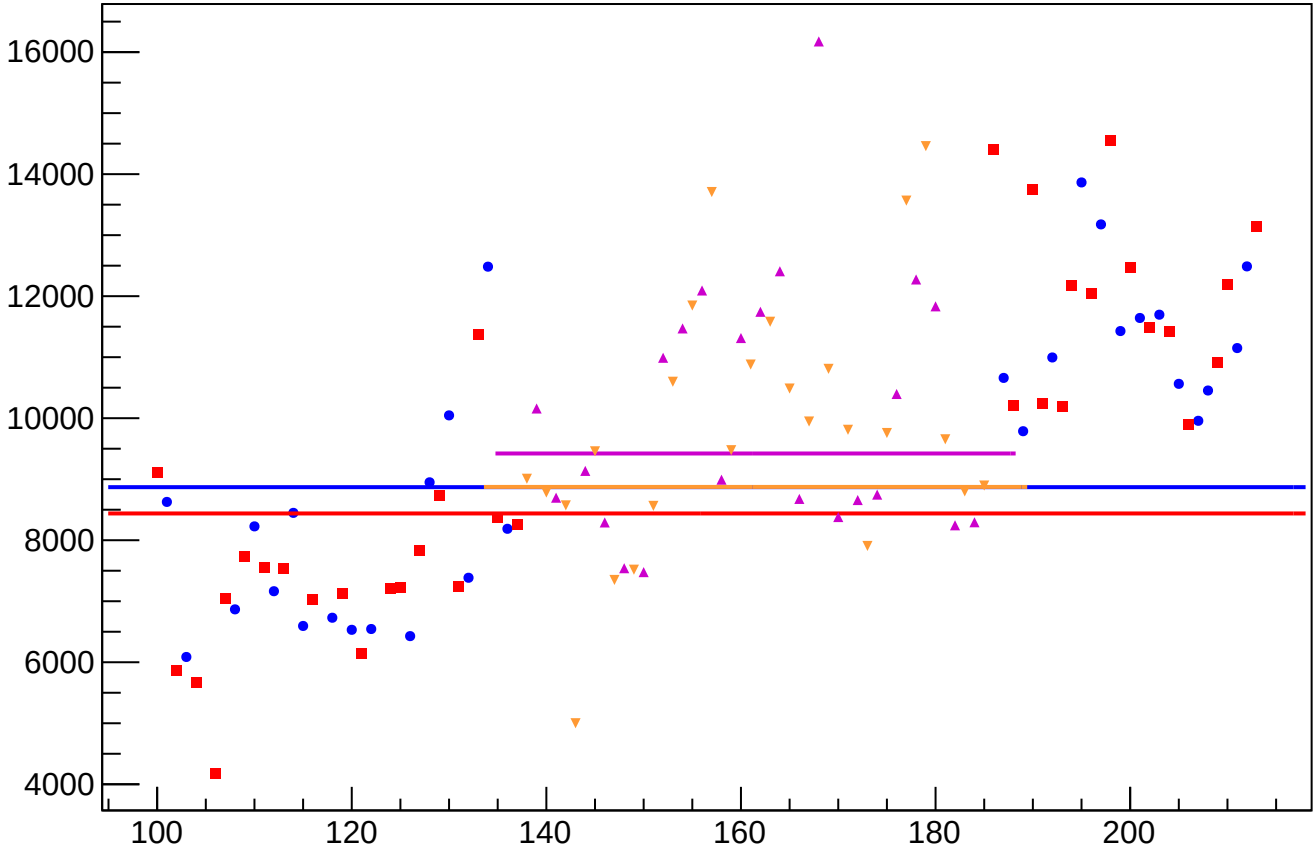
Right: -1024.356+/-1492.442 χ^2/NDF: 72.1/62

In: -267.275+/-1570.115 χ^2/NDF:42.4/51

Out: -1163.821+/-1457.409 χ^2/NDF:72.0/58

All: -748.877+/-1068.168 χ^2/NDF: 114.6/110

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8869.729+/-1.553 χ^2/NDF: 2041929.9/28

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

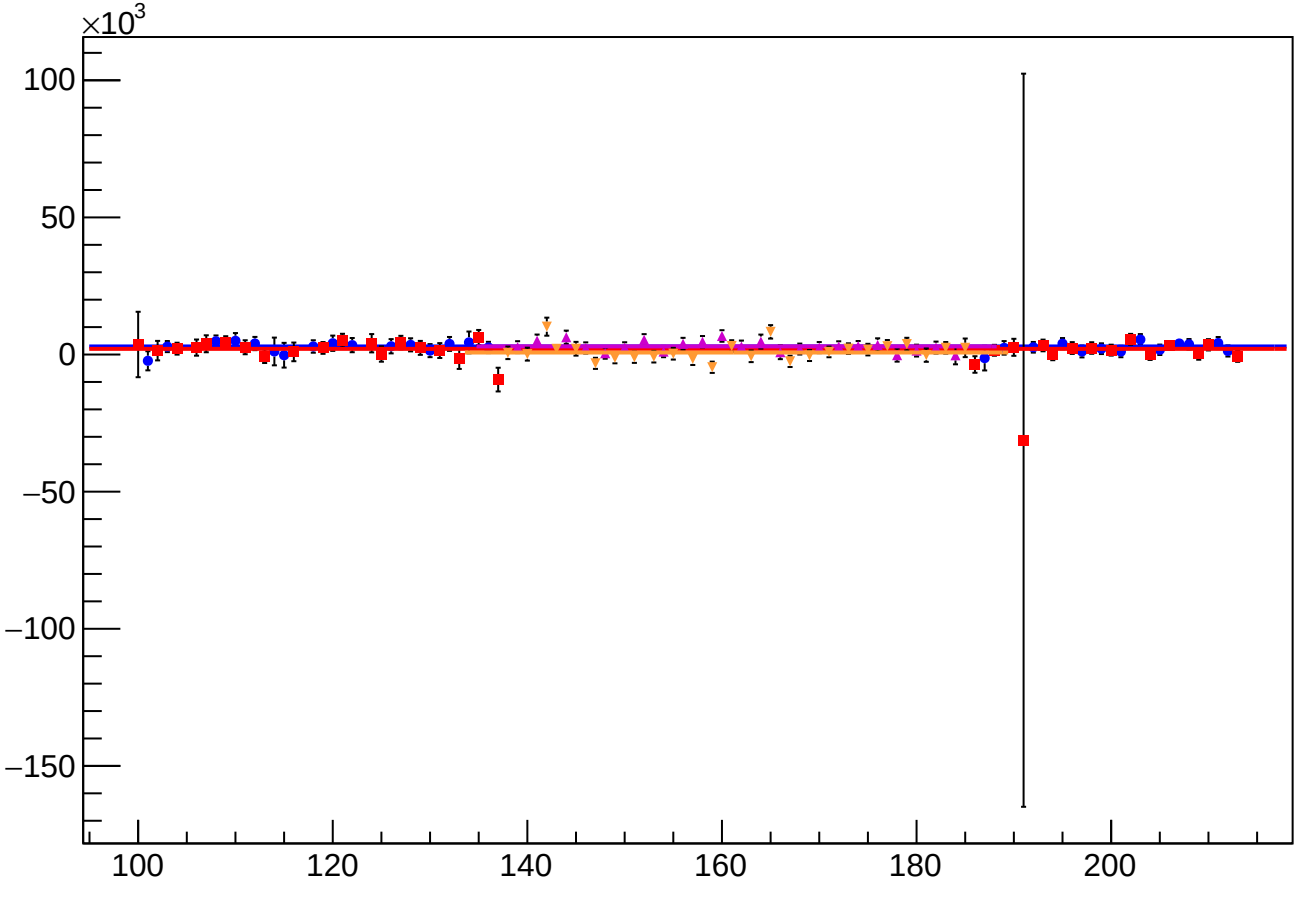
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8637.724+/-1.055 χ^2/NDF: 5519322.8/62

In: 9139.679+/-1.110 χ^2/NDF:3308543.1/51

Out: 8650.368+/-1.031 χ^2/NDF:5683671.8/58

All: 8876.833+/-0.755 χ^2/NDF: 9096555.2/11



Right In: 2946.407+/-431.259 χ^2/NDF: 11.8/28

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

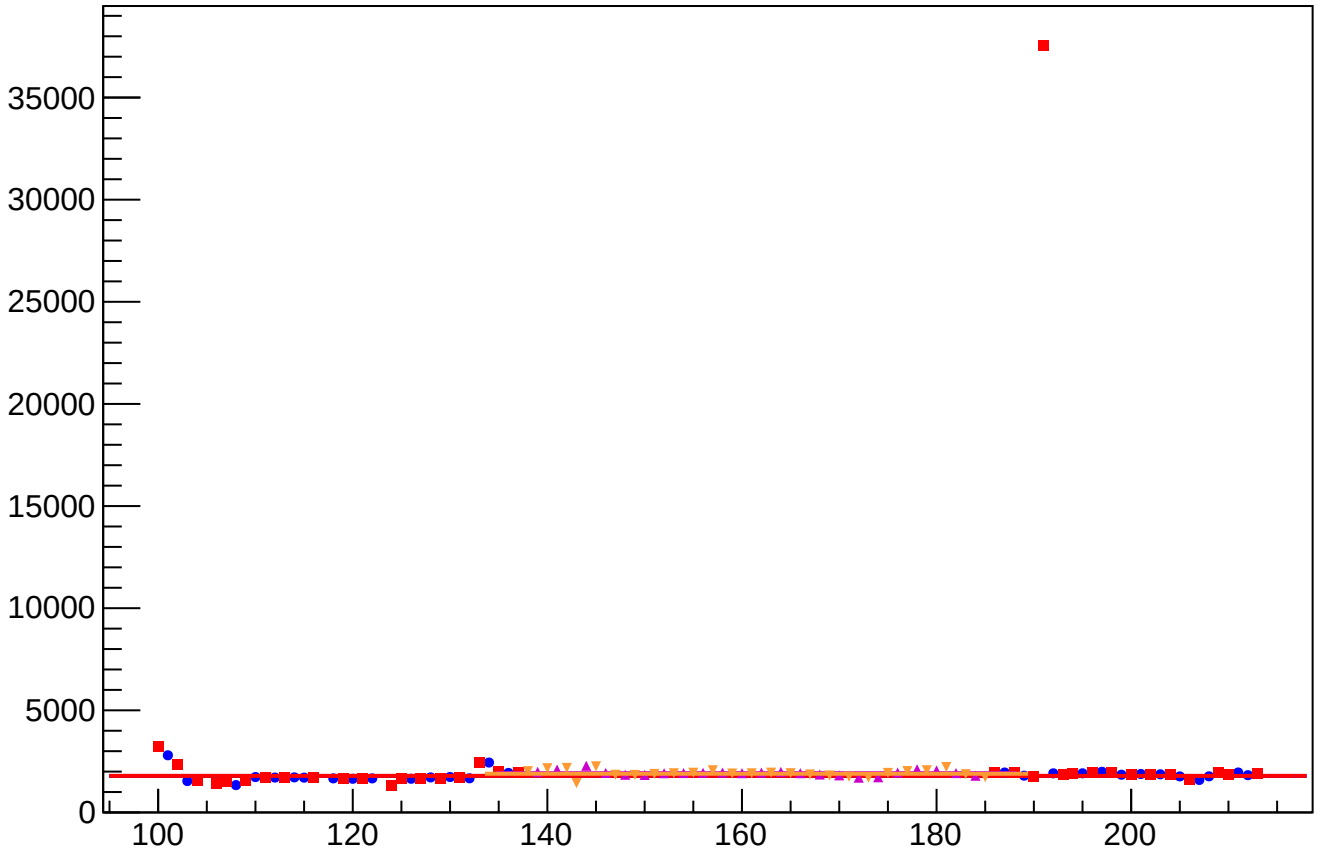
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2497.441+/-300.622 χ^2/NDF: 43.5/62

In: 2962.107+/-311.472 χ^2/NDF:27.4/51

Out: 1427.326+/-301.169 χ^2/NDF:76.1/58

All: 2168.913+/-216.509 χ^2/NDF: 116.1/110



Right In: 1786.463+/-0.305 χ^2/NDF: 468776.6/28

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

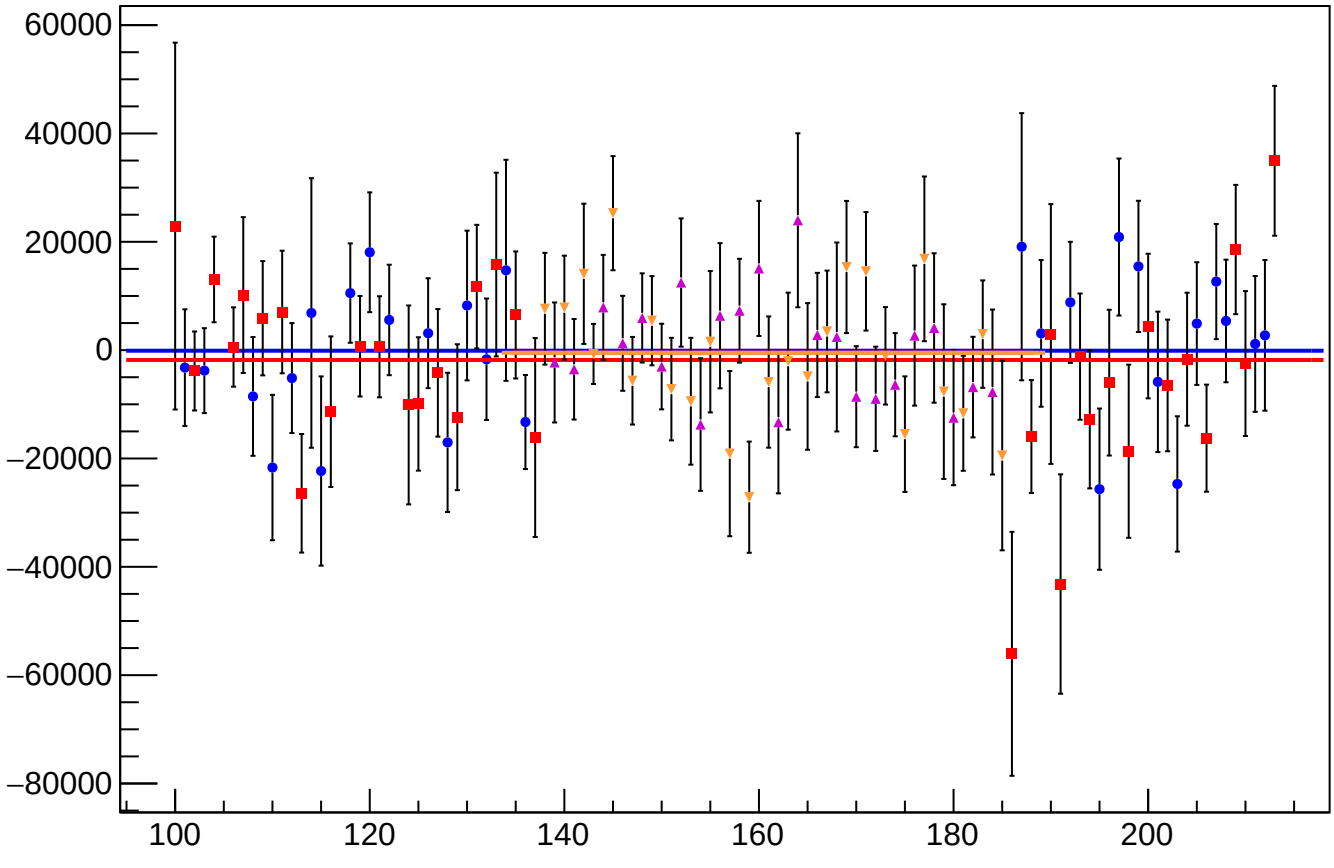
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1788.854+/-0.213 χ^2/NDF: 1053510.5/62

In: 1851.798+/-0.220 χ^2/NDF:715720.9/51

Out: 1841.240+/-0.213 χ^2/NDF:1012292.5/58

All: 1846.341+/-0.153 χ^2/NDF: 1729201.1/11



Right In: -105.084+/-2196.571 χ^2/NDF: 28.8/28

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

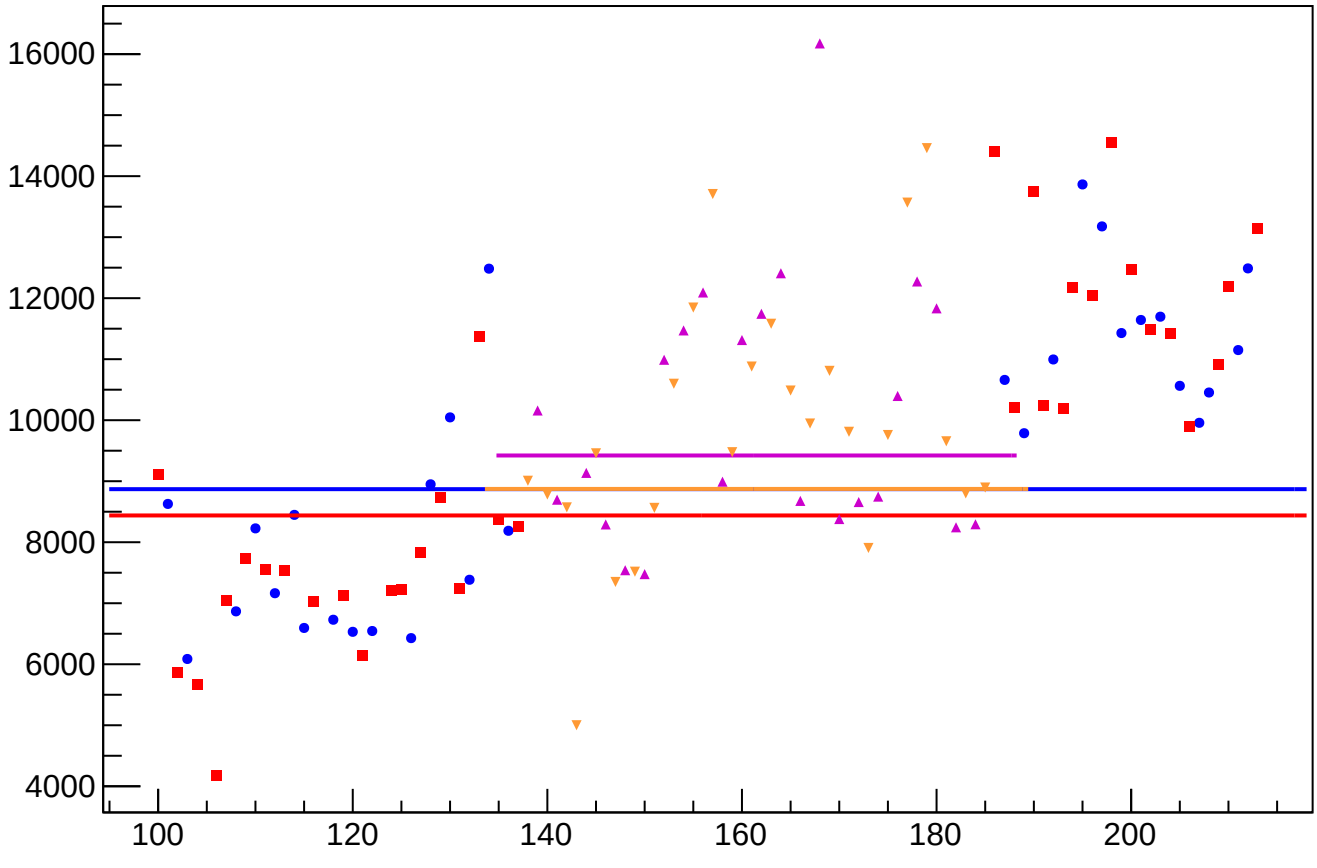
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1024.347+/-1492.441 χ^2/NDF: 72.1/62

In: -267.273+/-1570.115 χ^2/NDF:42.4/51

Out: -1163.821+/-1457.410 χ^2/NDF:72.0/58

All: -748.876+/-1068.169 χ^2/NDF: 114.6/110



Right In: 8869.719+/-1.553 χ^2/NDF: 2041961.9/28

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

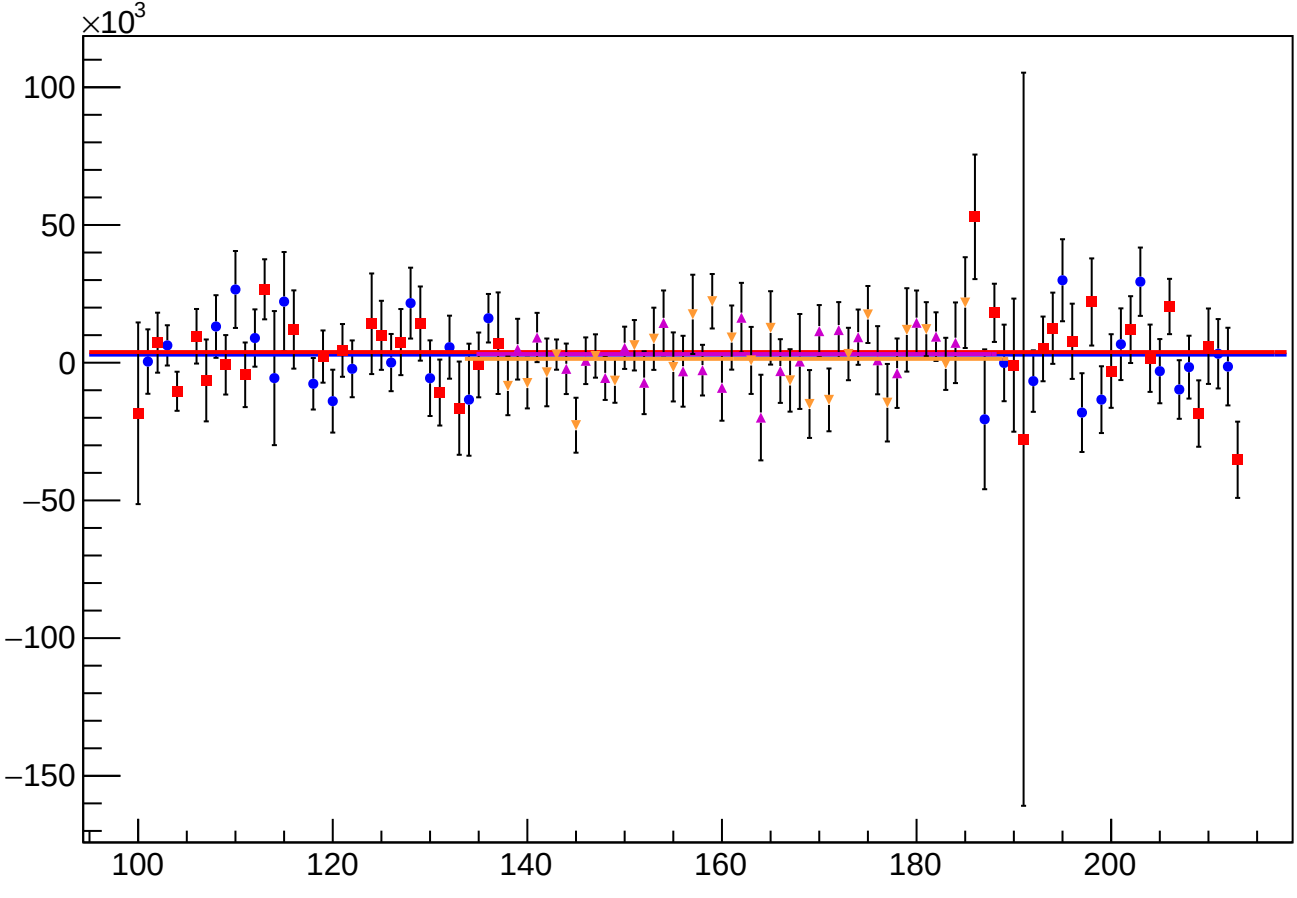
Right: 8637.714+/-1.055 χ^2/NDF: 5519384.0/62

In: 9139.680+/-1.110 χ^2/NDF:3308584.3/51

Out: 8650.369+/-1.031 χ^2/NDF:5683707.3/58

All: 8876.834+/-0.755 χ^2/NDF: 9096632.0/11

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2932.653+/-2216.640 χ^2/NDF: 30.3/28

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

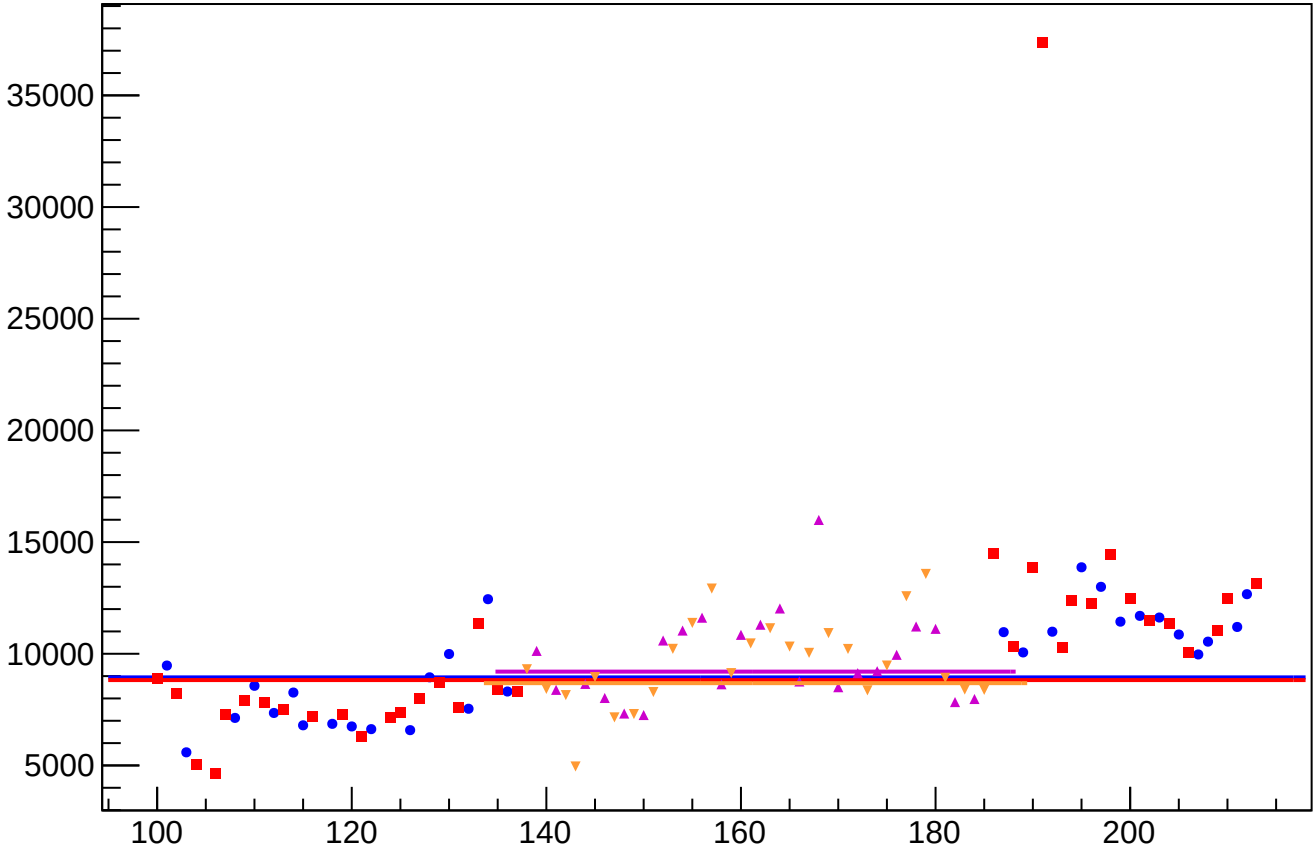
Right: 3411.834+/-1537.825 χ^2/NDF: 68.9/62

In: 3037.233+/-1557.704 χ^2/NDF:43.2/51

Out: 2576.511+/-1474.993 χ^2/NDF:66.7/58

All: 2794.316+/-1071.024 χ^2/NDF: 110.0/110

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8942.624+/-1.567 χ^2/NDF: 2099791.1/28

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

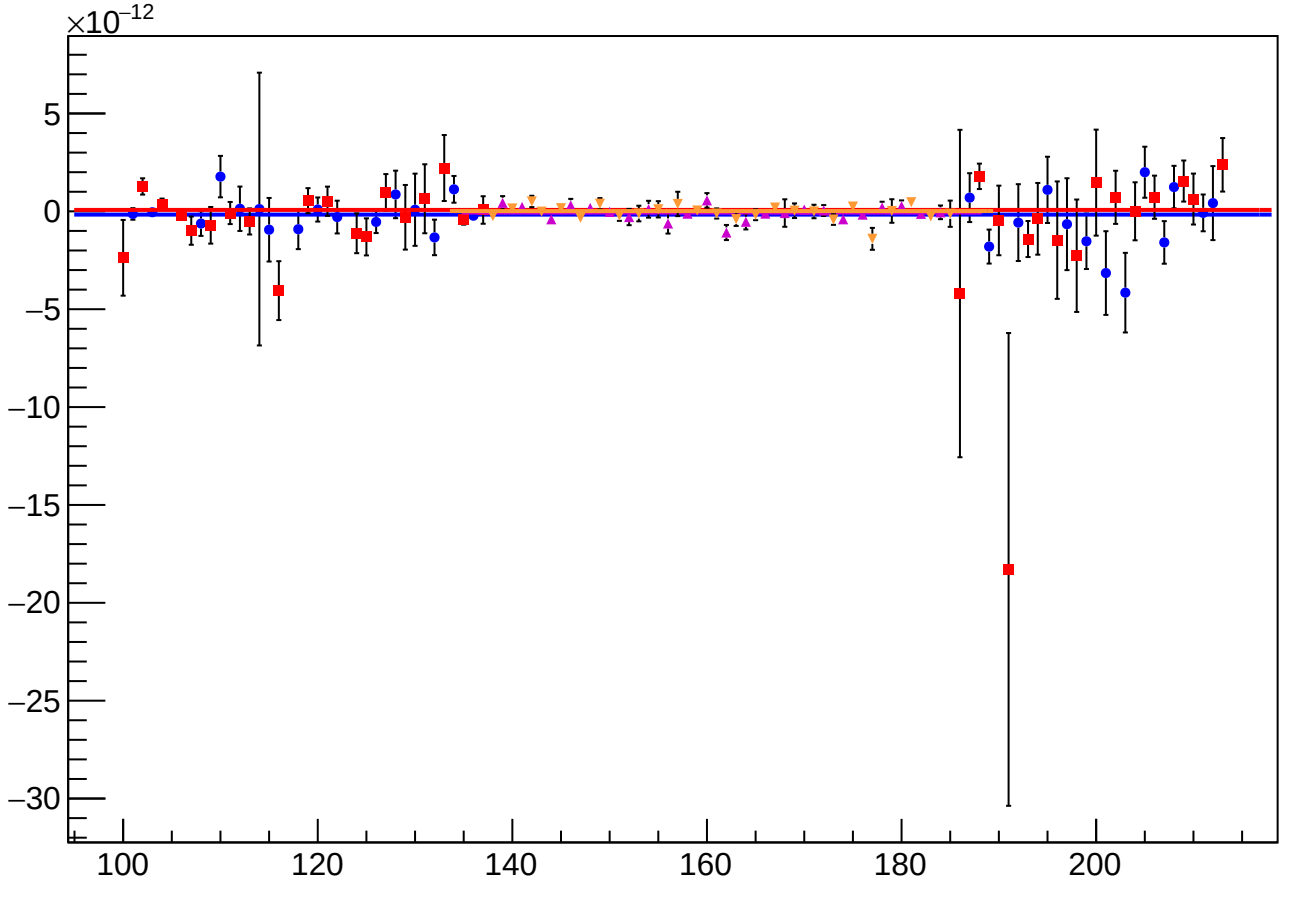
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 8880.237+/-1.087 χ^2/NDF: 5122393.7/62

In: 9073.302+/-1.101 χ^2/NDF:3242945.0/51

Out: 8750.309+/-1.043 χ^2/NDF:5075526.1/58

All: 8902.999+/-0.757 χ^2/NDF: 8363810.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/28

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

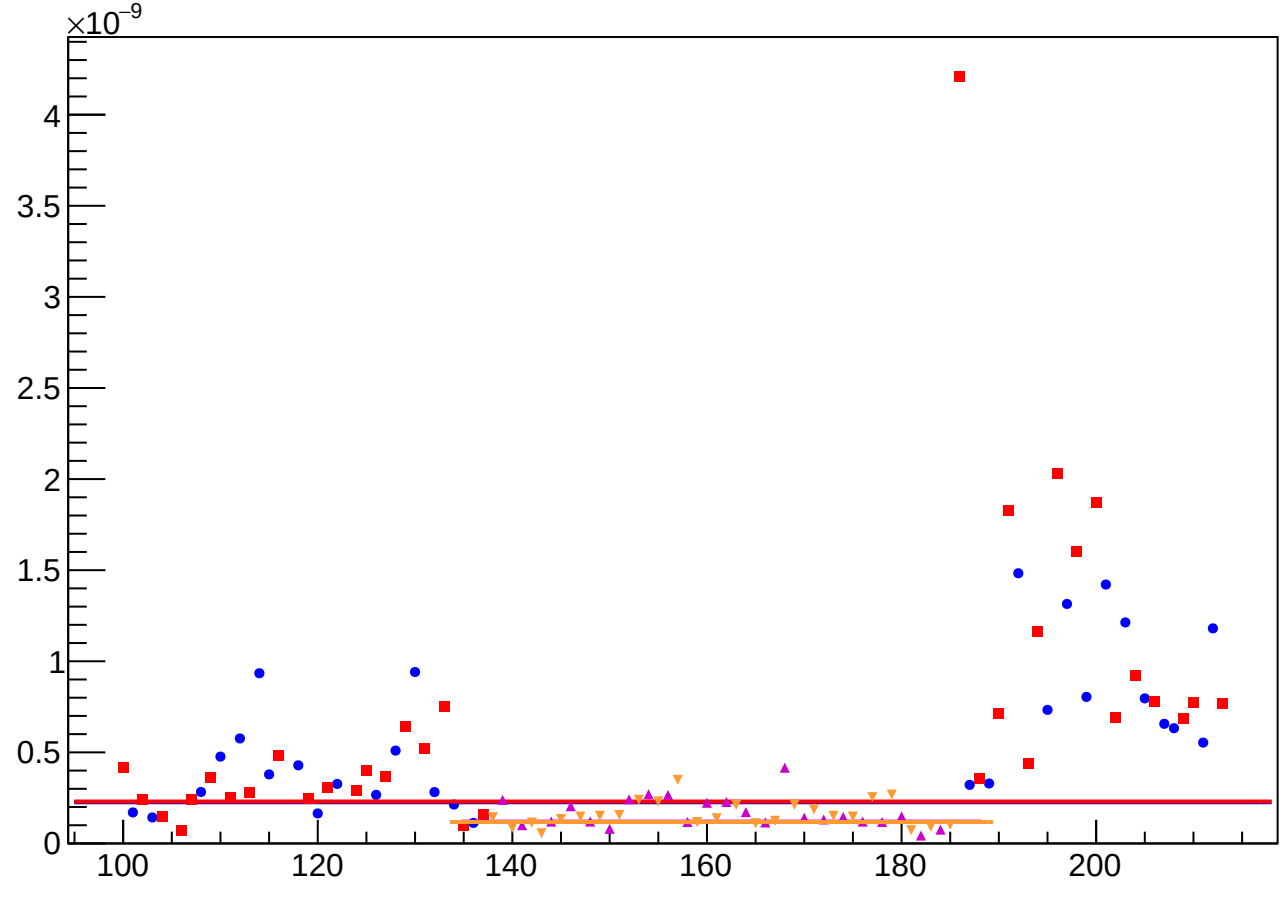
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 83.7/62

In: -0.000+/-0.000 χ^2/NDF:57.8/51

Out: 0.000+/-0.000 χ^2/NDF:81.3/58

All: -0.000+/-0.000 χ^2/NDF: 141.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 6486264.7/28

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

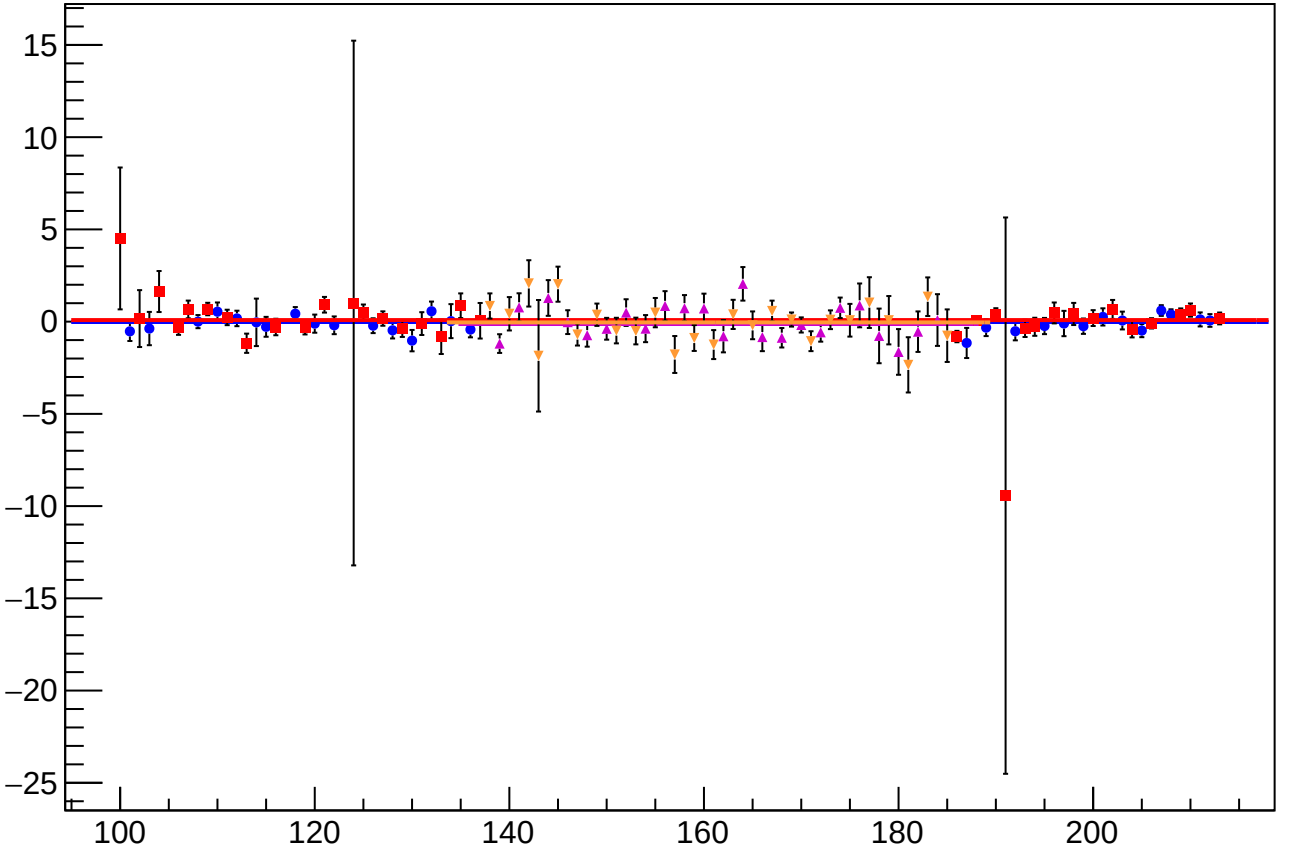
Right: 0.000+/-0.000 χ^2/NDF: 13988723.5/62

In: 0.000+/-0.000 χ^2/NDF:10584271.9/51

Out: 0.000+/-0.000 χ^2/NDF:11436032.2/58

All: 0.000+/-0.000 χ^2/NDF: 22025854.4/110

asym_at2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.082 χ^2/NDF: 23.8/28

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

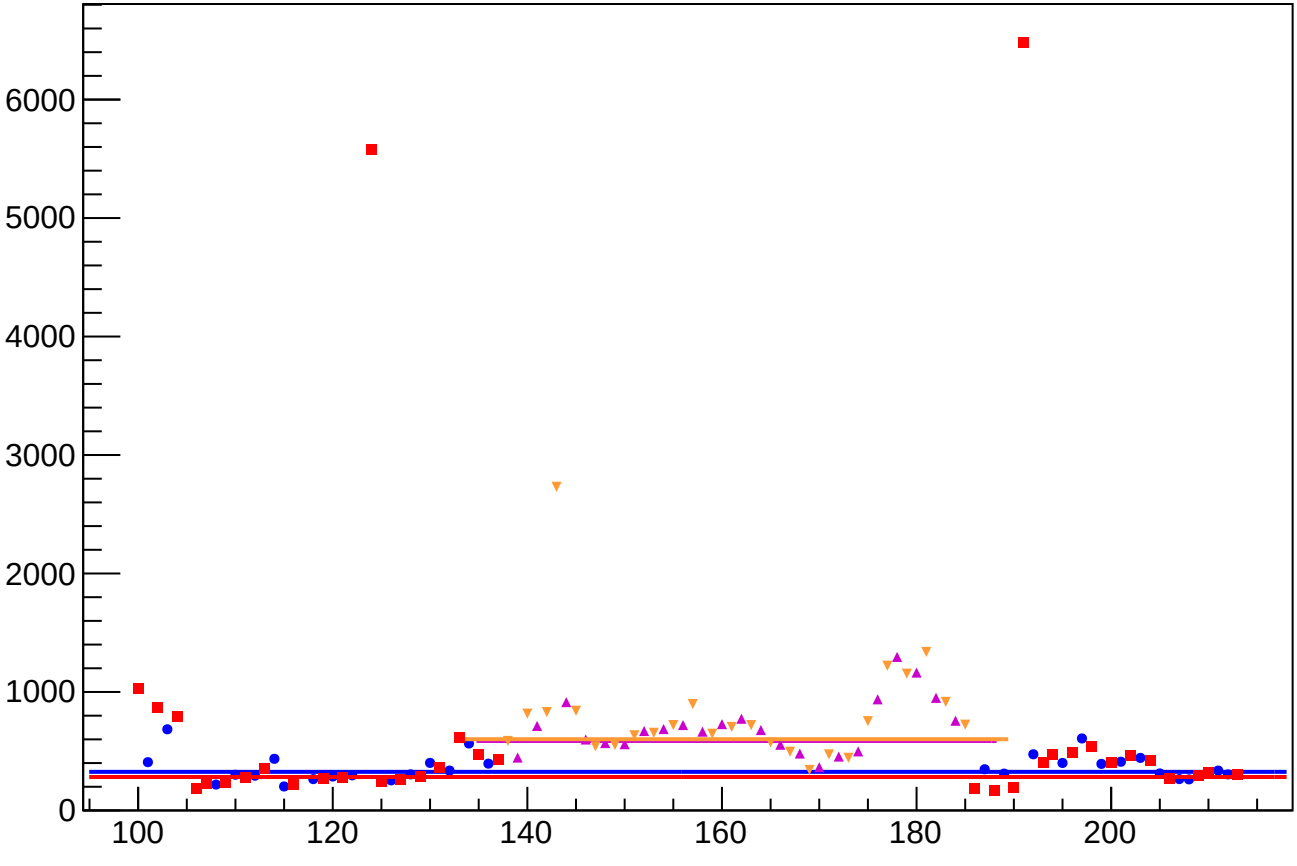
Right: 0.039+/-0.054 χ^2/NDF: 68.0/62

In: -0.045+/-0.072 χ^2/NDF:53.3/51

Out: 0.060+/-0.065 χ^2/NDF:74.0/58

All: 0.012+/-0.048 χ^2/NDF: 128.5/110

asym_at2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 325.830+/-0.058 χ^2/NDF: 2069063.5/28

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

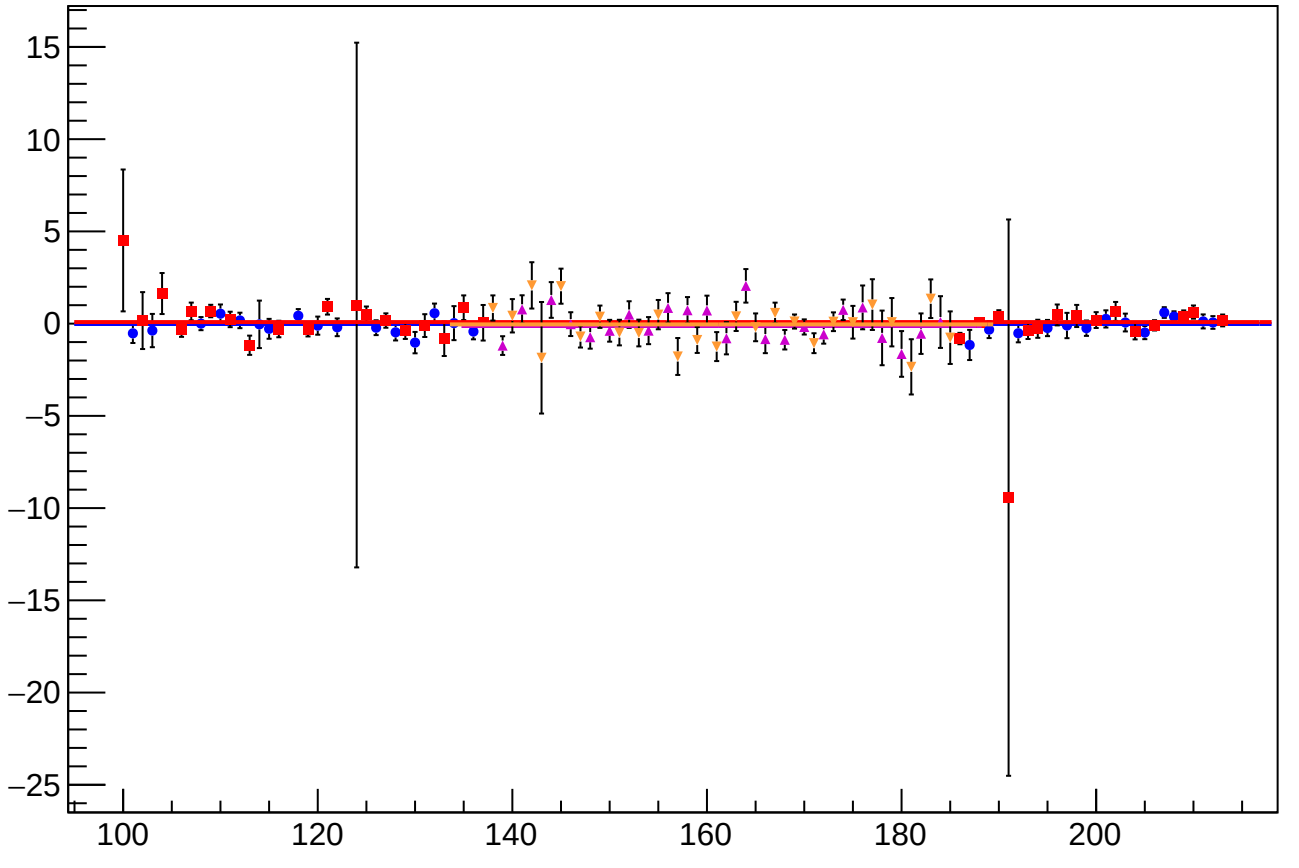
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 301.330+/-0.038 χ^2/NDF: 7402669.7/62

In: 389.495+/-0.051 χ^2/NDF:9888924.8/51

Out: 344.355+/-0.046 χ^2/NDF:17006898.6/58

All: 364.719+/-0.034 χ^2/NDF: 27330756.0/11



Right In: -0.019+/-0.082 χ^2/NDF: 23.8/28

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

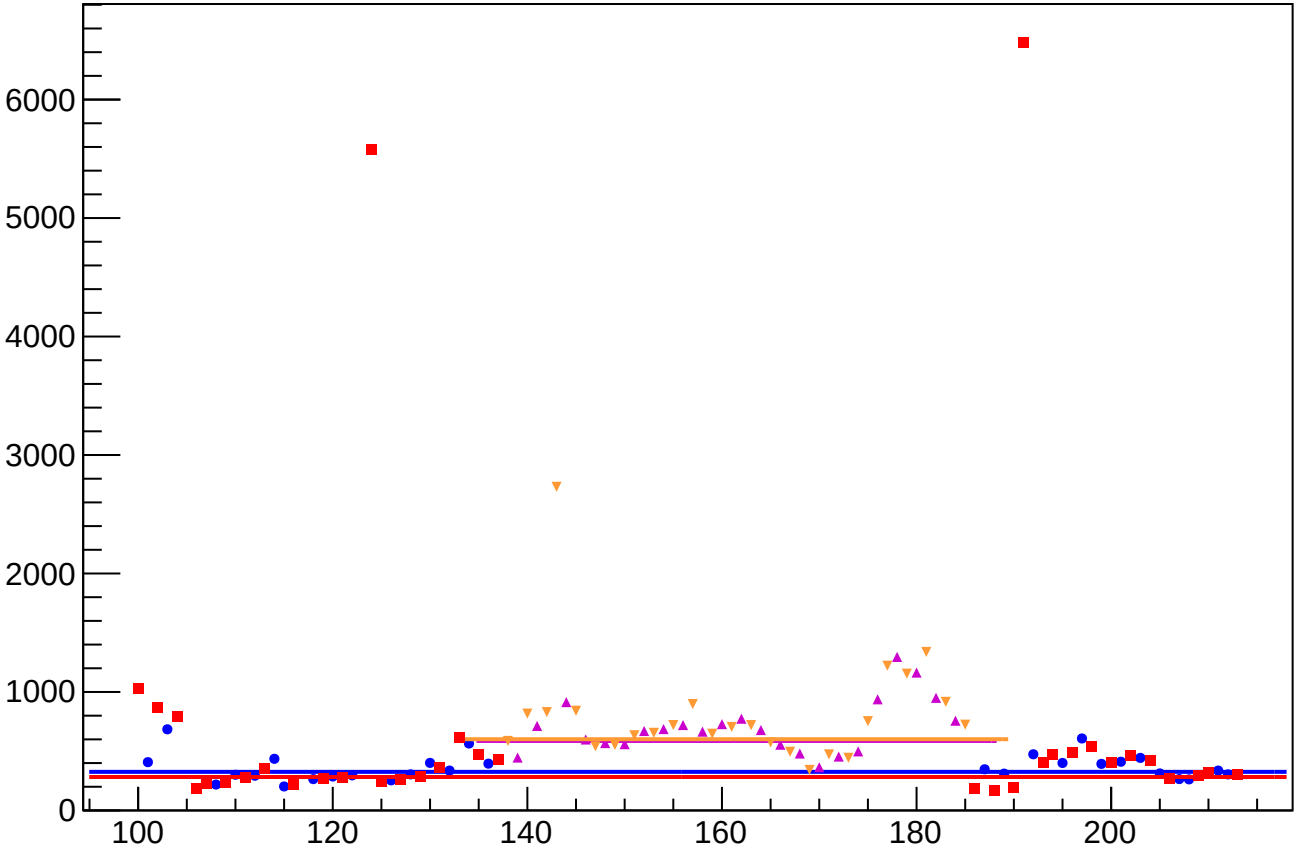
Right: 0.039+/-0.054 χ^2/NDF: 68.0/62

In: -0.045+/-0.072 χ^2/NDF:53.3/51

Out: 0.060+/-0.065 χ^2/NDF:74.0/58

All: 0.012+/-0.048 χ^2/NDF: 128.5/110

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 325.830+/-0.058 χ^2/NDF: 2069063.5/28

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

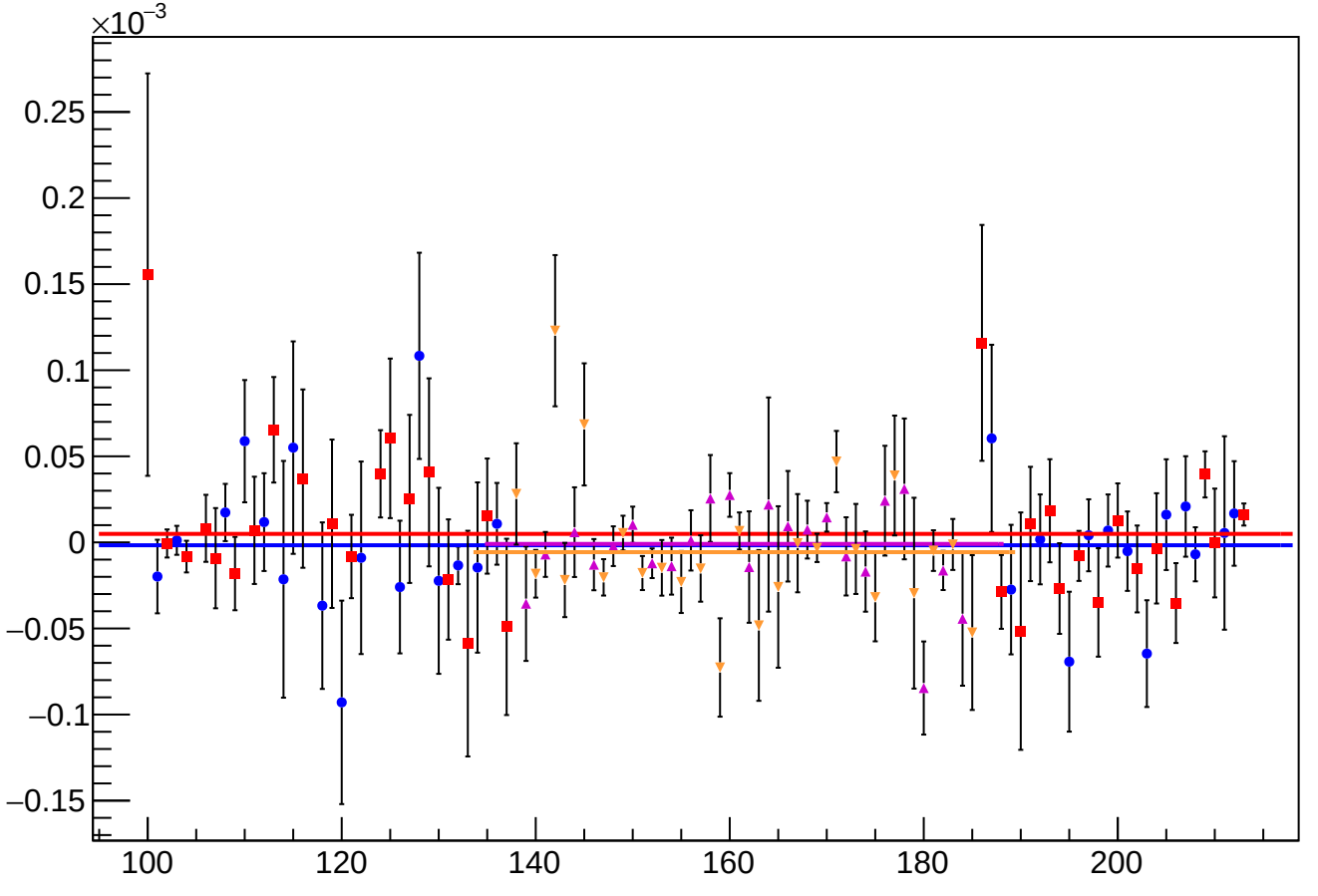
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 301.330+/-0.038 χ^2/NDF: 7402669.7/62

In: 389.495+/-0.051 χ^2/NDF:9888924.8/51

Out: 344.355+/-0.046 χ^2/NDF:17006898.6/58

All: 364.719+/-0.034 χ^2/NDF: 27330756.0/11



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/28

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.3/33

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

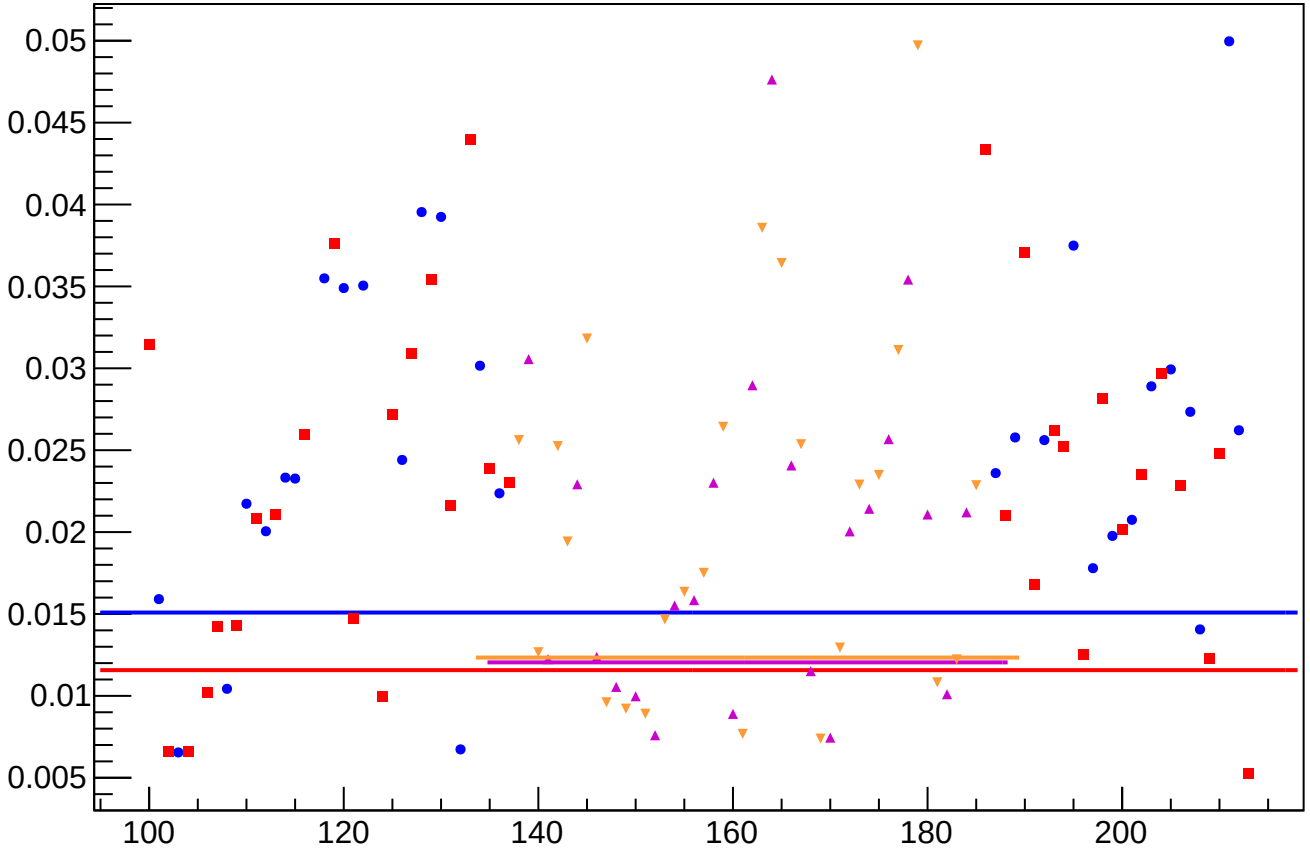
Right: 0.000+/-0.000 χ^2/NDF: 66.6/62

In: -0.000+/-0.000 χ^2/NDF:55.1/51

Out: -0.000+/-0.000 χ^2/NDF:88.1/58

All: -0.000+/-0.000 χ^2/NDF: 143.3/110

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 9263863.2/28

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 11427831.0/33

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

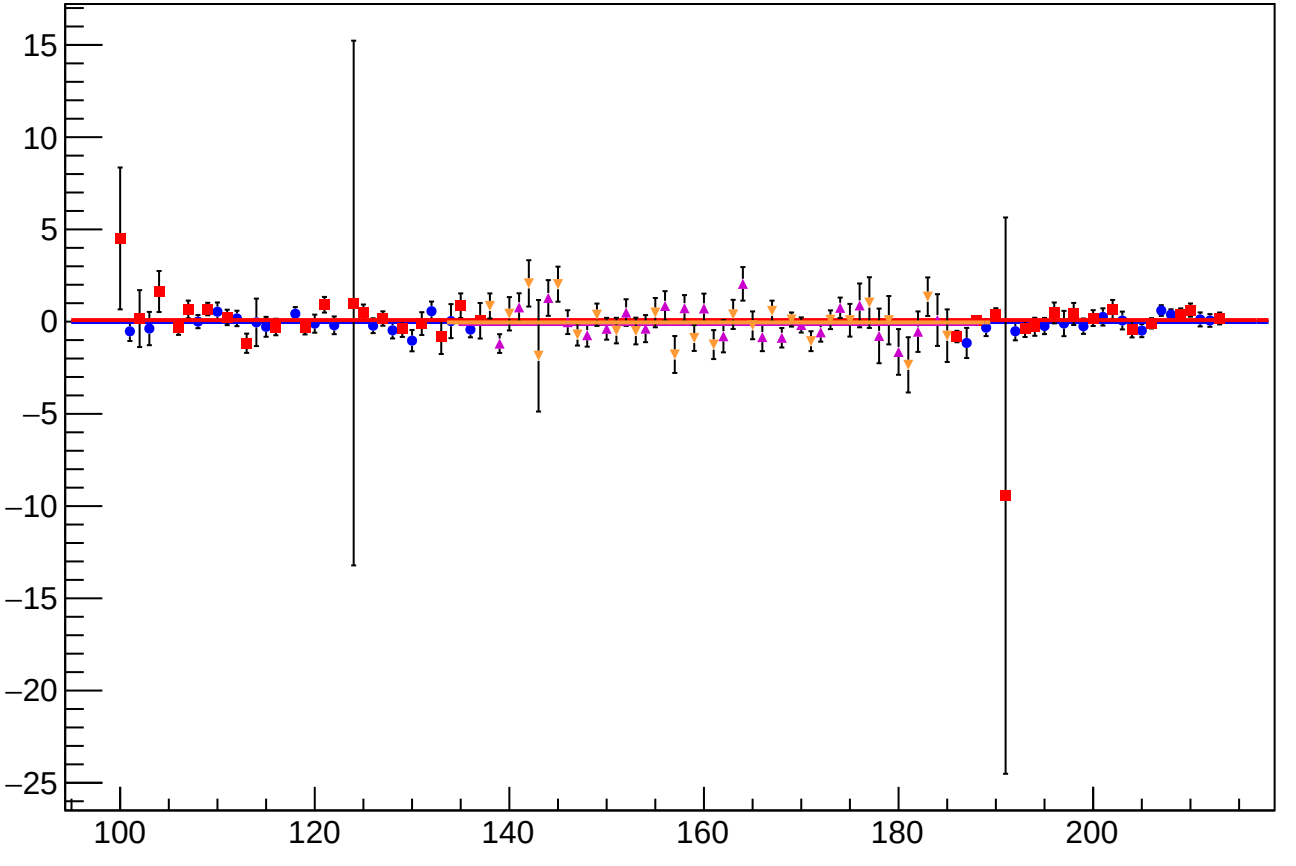
Right: 0.013+/-0.000 χ^2/NDF: 21528833.3/62

In: 0.013+/-0.000 χ^2/NDF:16271843.1/51

Out: 0.012+/-0.000 χ^2/NDF:19322289.2/58

All: 0.012+/-0.000 χ^2/NDF: 35829072.8/110

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.082 χ^2/NDF: 23.8/28

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

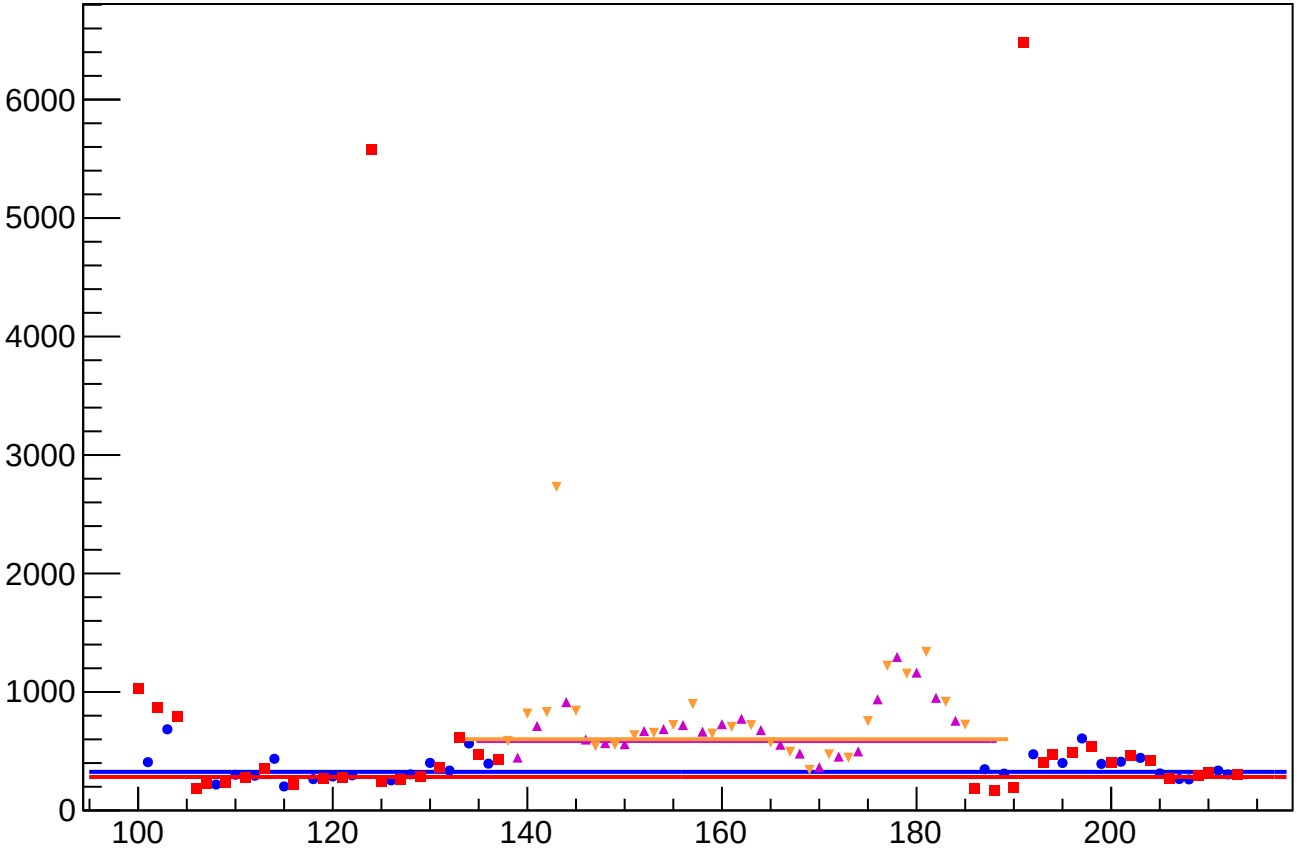
Right: 0.039+/-0.054 χ^2/NDF: 68.0/62

In: -0.045+/-0.072 χ^2/NDF:53.3/51

Out: 0.060+/-0.065 χ^2/NDF:74.0/58

All: 0.012+/-0.048 χ^2/NDF: 128.5/110

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 325.830+/-0.058 χ^2/NDF: 2069054.9/28

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

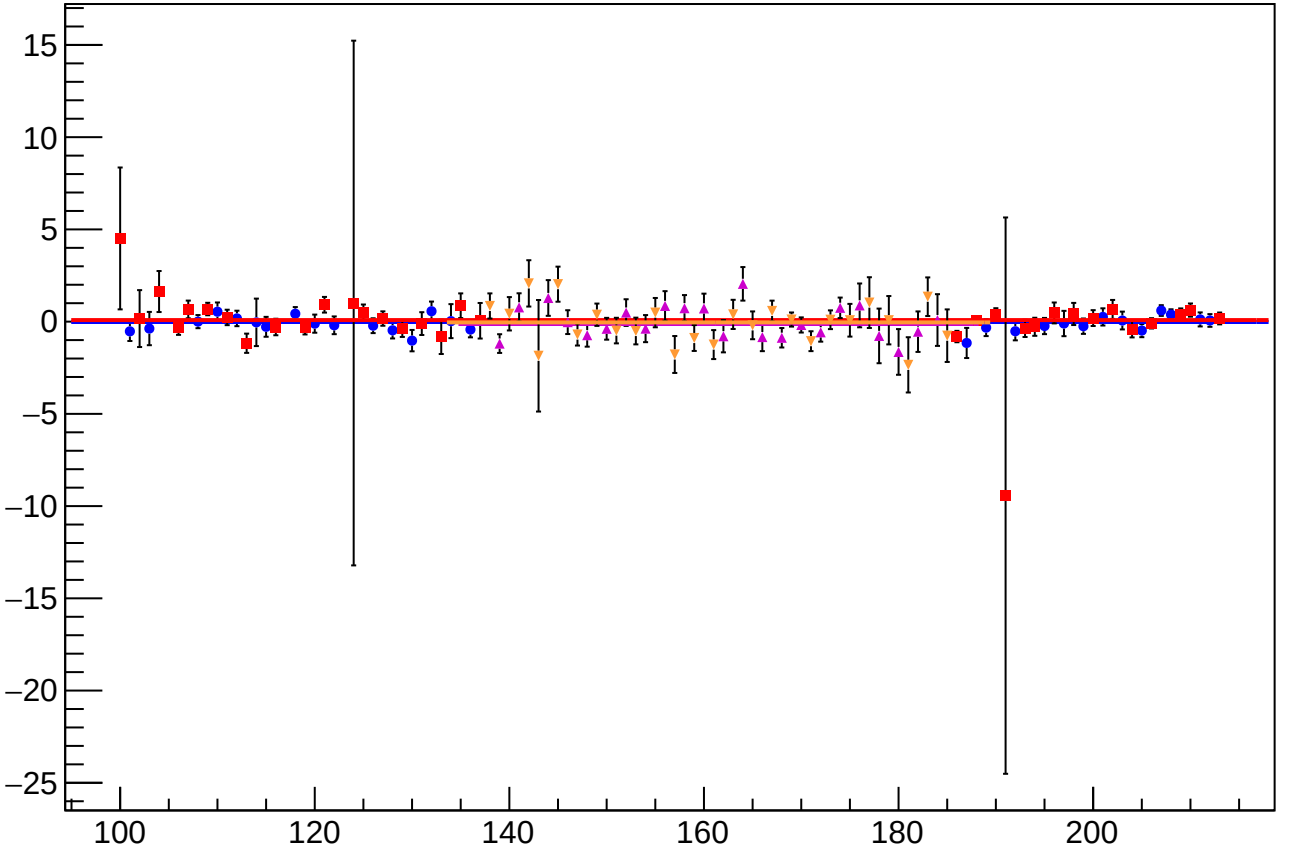
Right: 301.326+/-0.038 χ^2/NDF: 7403065.1/62

In: 389.495+/-0.051 χ^2/NDF:9889124.7/51

Out: 344.349+/-0.046 χ^2/NDF:17007729.0/58

All: 364.715+/-0.034 χ^2/NDF: 27331909.3/11

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.082 χ^2/NDF: 23.8/28

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

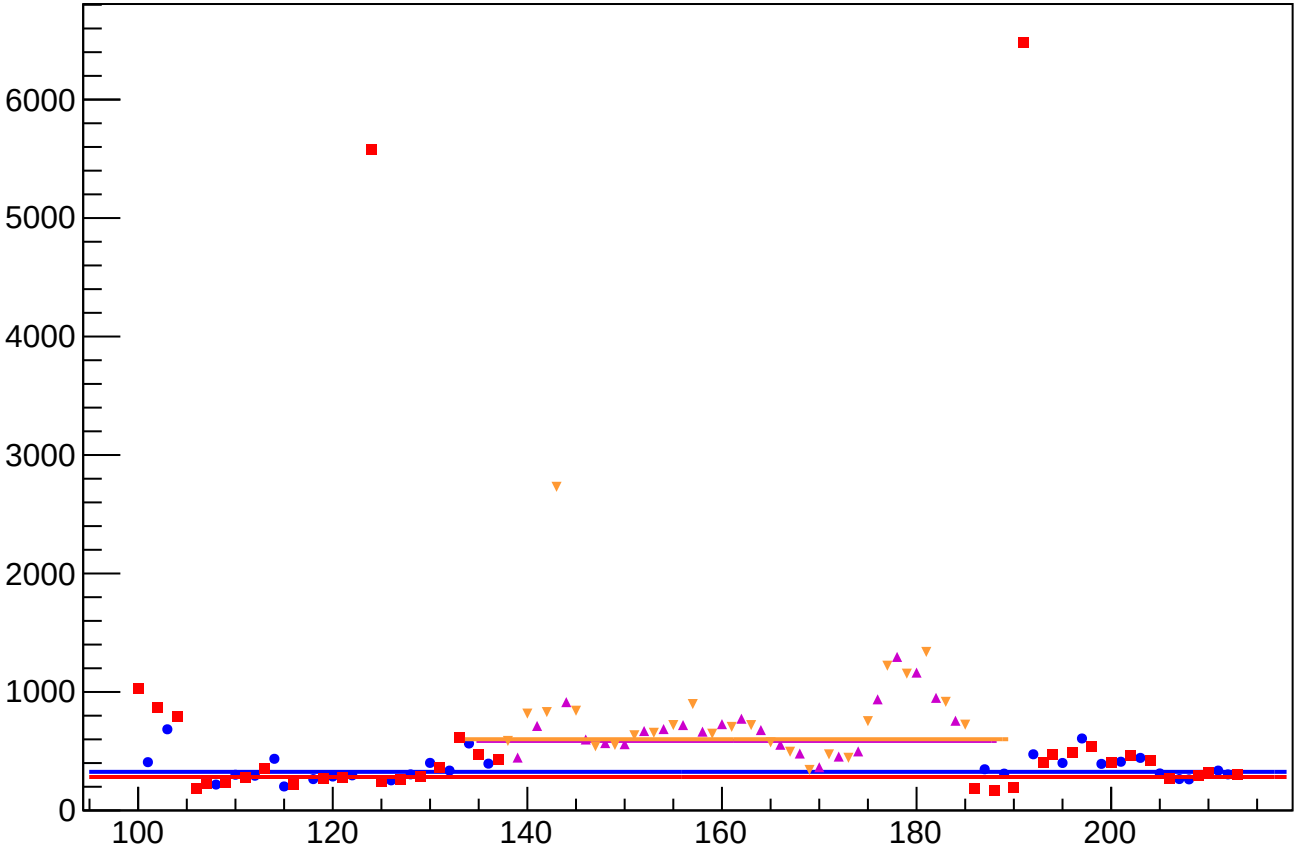
Right: 0.039+/-0.054 χ^2/NDF: 68.0/62

In: -0.045+/-0.072 χ^2/NDF:53.3/51

Out: 0.060+/-0.065 χ^2/NDF:74.0/58

All: 0.012+/-0.048 χ^2/NDF: 128.5/110

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 325.830+/-0.058 χ^2/NDF: 2069054.9/28

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

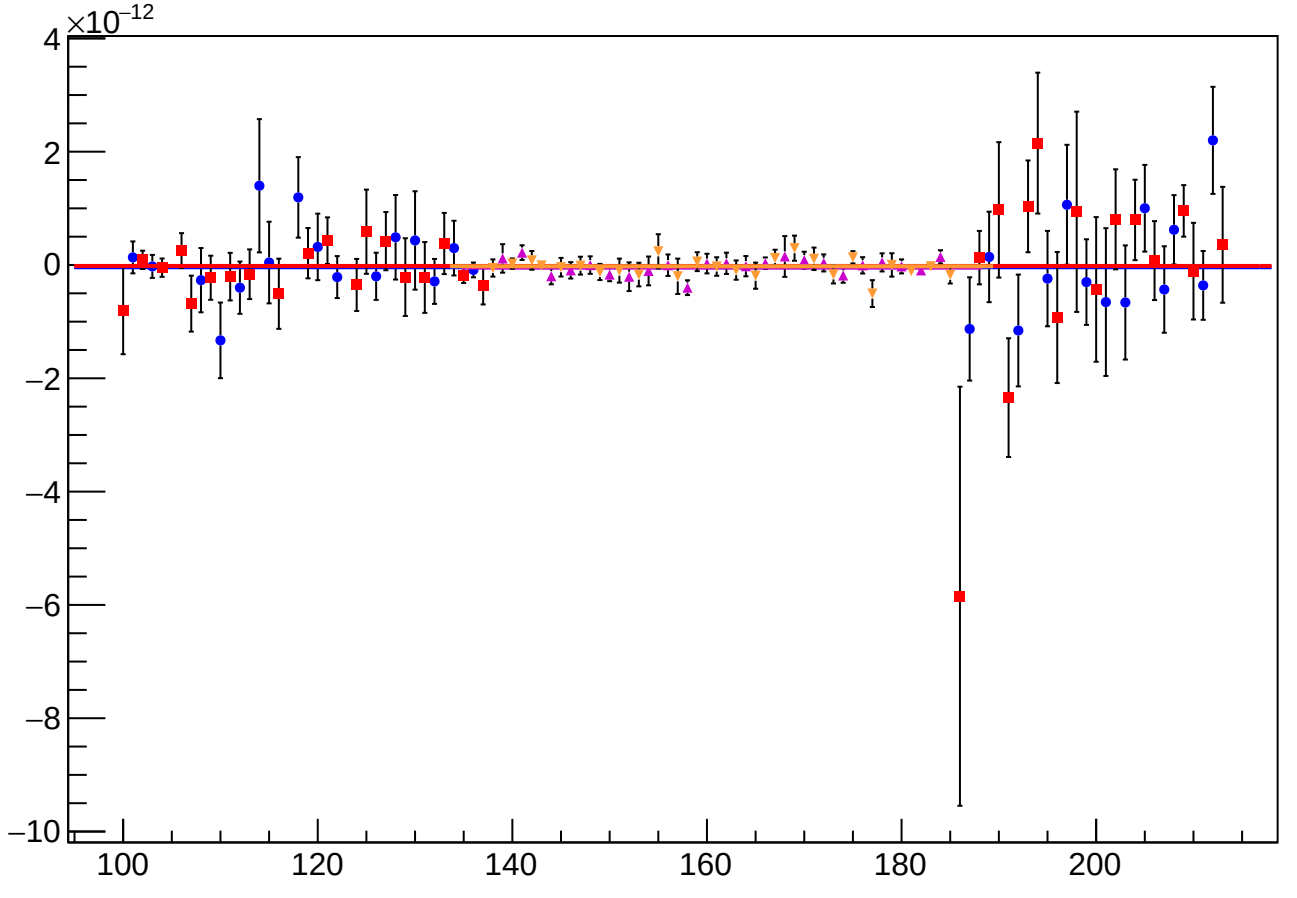
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 301.326+/-0.038 χ^2/NDF: 7403065.1/62

In: 389.495+/-0.051 χ^2/NDF:9889124.7/51

Out: 344.349+/-0.046 χ^2/NDF:17007729.0/58

All: 364.715+/-0.034 χ^2/NDF: 27331909.3/11



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/28

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

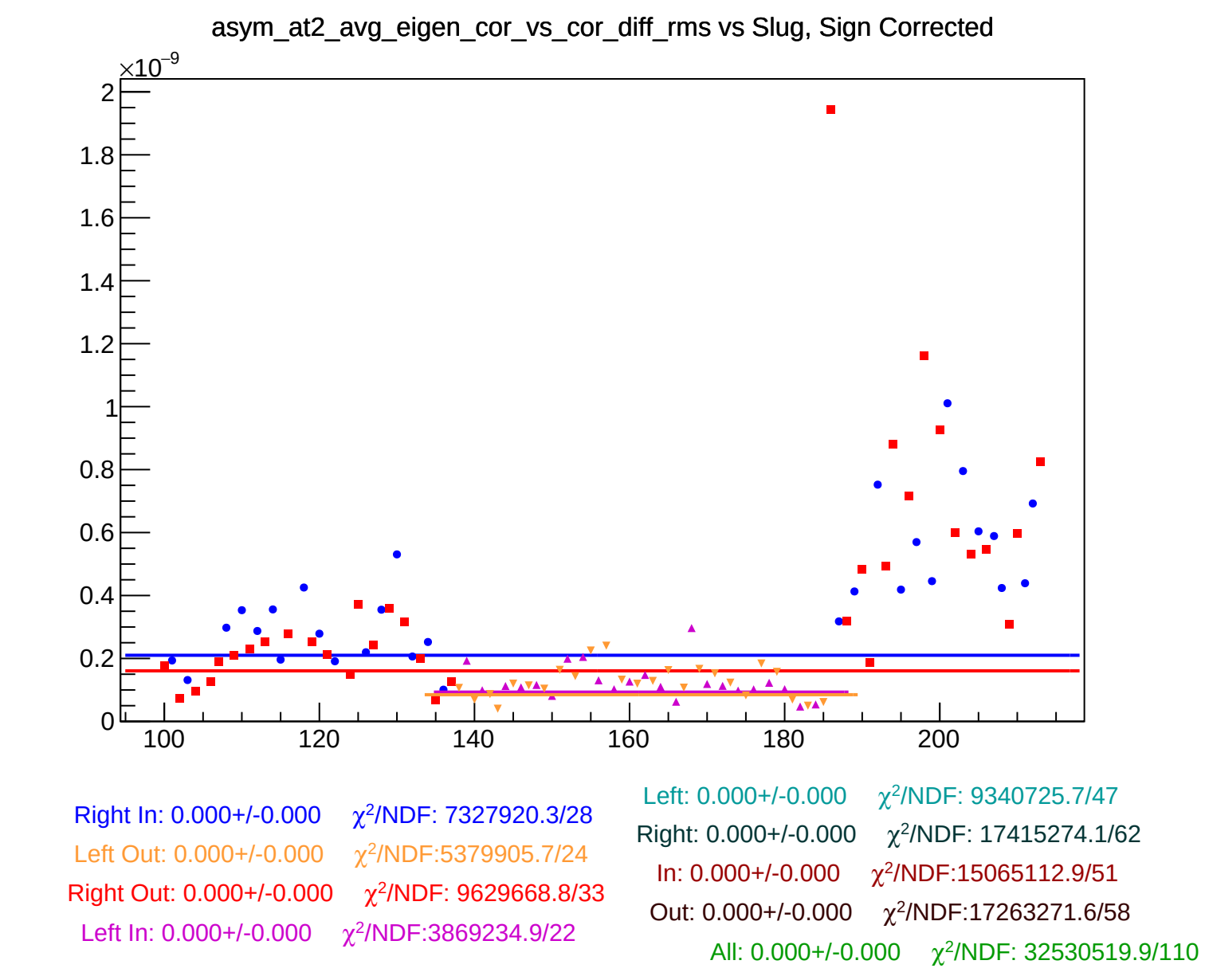
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 58.5/62

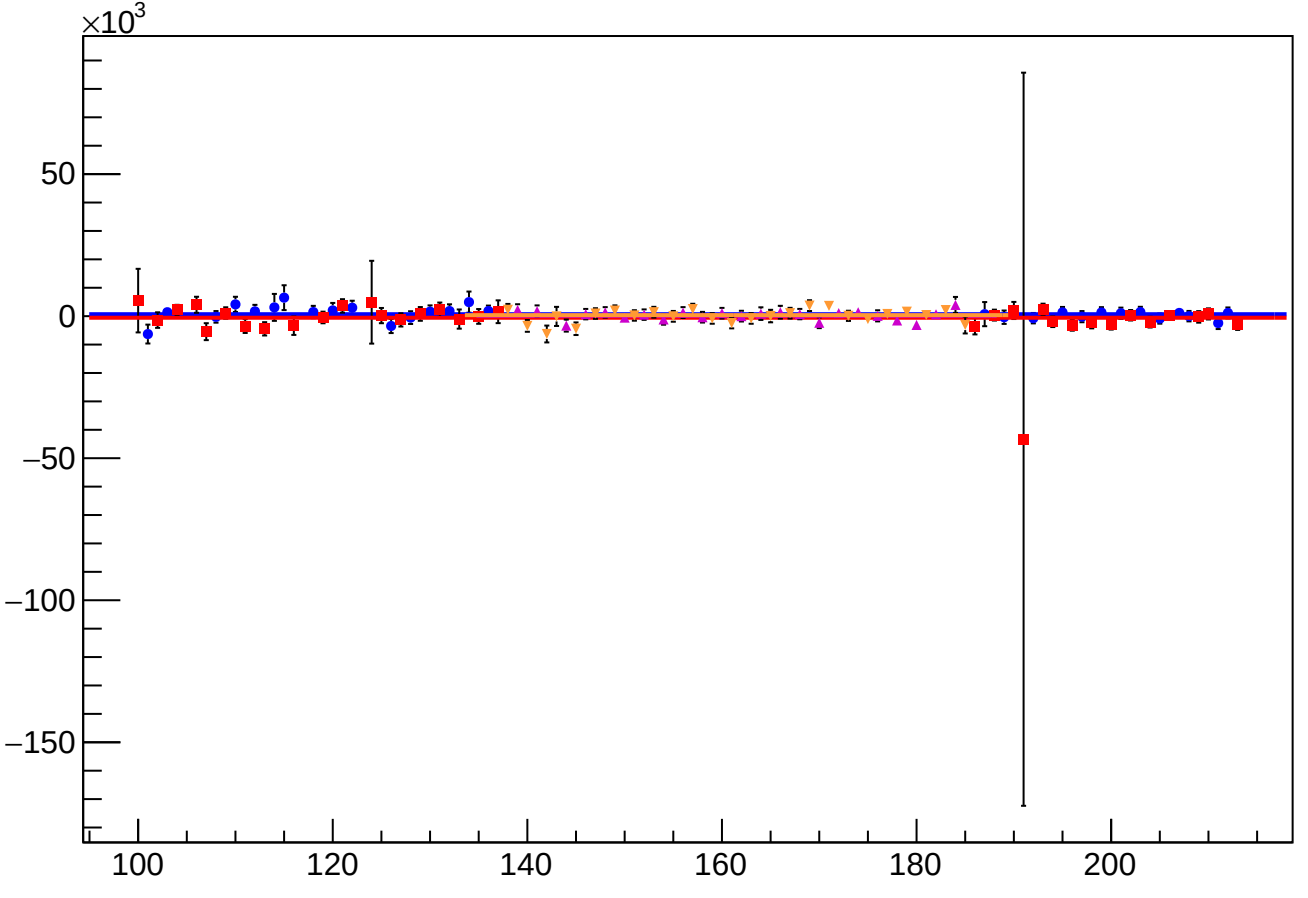
In: -0.000+/-0.000 χ^2/NDF:47.8/51

Out: -0.000+/-0.000 χ^2/NDF:49.0/58

All: -0.000+/-0.000 χ^2/NDF: 97.2/110


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: 7327920.3/28
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: 17415274.1/62
In: 0.000+/-0.000 χ²/NDF:15065112.9/51
Out: 0.000+/-0.000 χ²/NDF:17263271.6/58
All: 0.000+/-0.000 χ²/NDF: 32530519.9/110

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 692.084+/-405.864 χ^2/NDF: 19.6/28

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

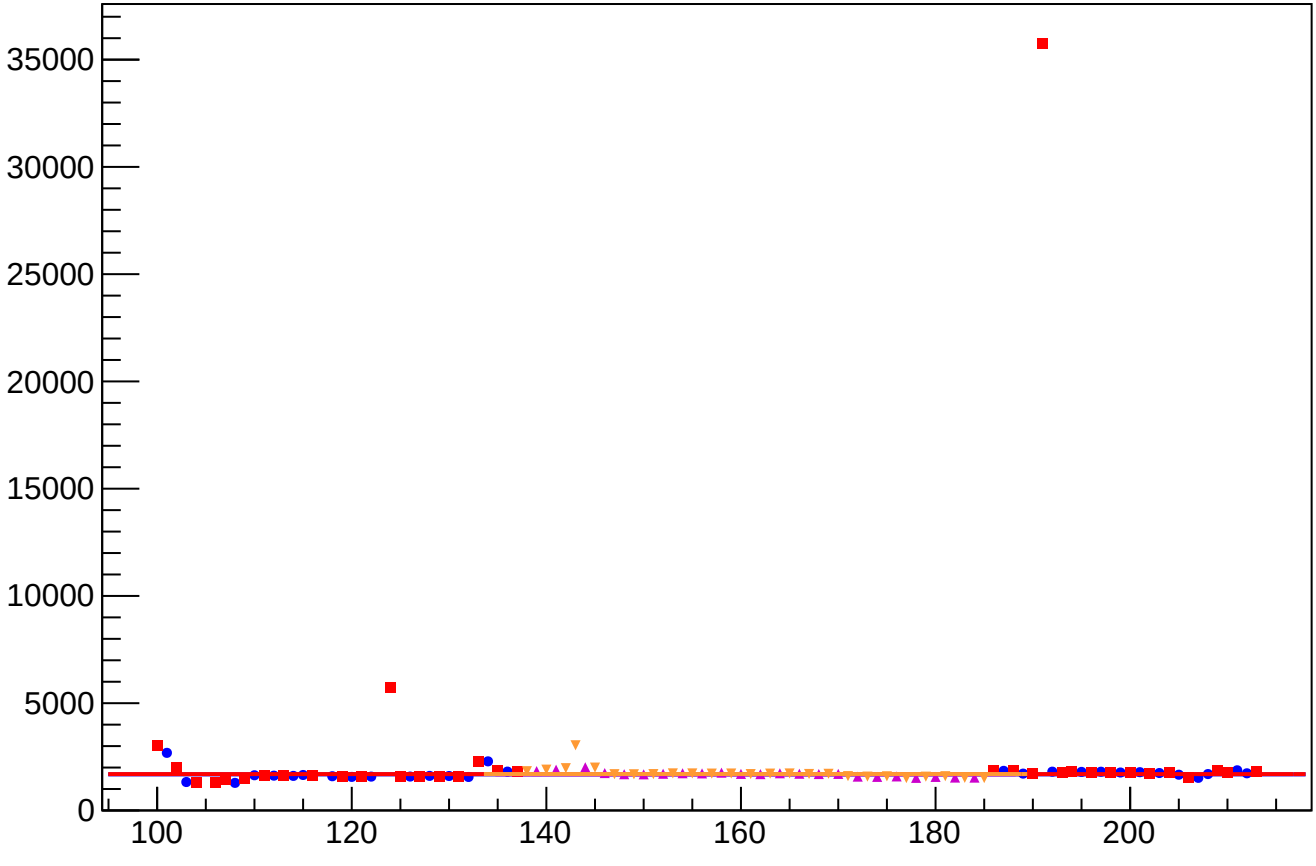
Right: 53.356+/-283.534 χ^2/NDF: 55.5/62

In: 416.797+/-282.796 χ^2/NDF:36.6/51

Out: -87.426+/-277.280 χ^2/NDF:63.3/58

All: 159.720+/-197.988 χ^2/NDF: 101.5/110

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1681.161+/-0.287 χ^2/NDF: 507599.9/28

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

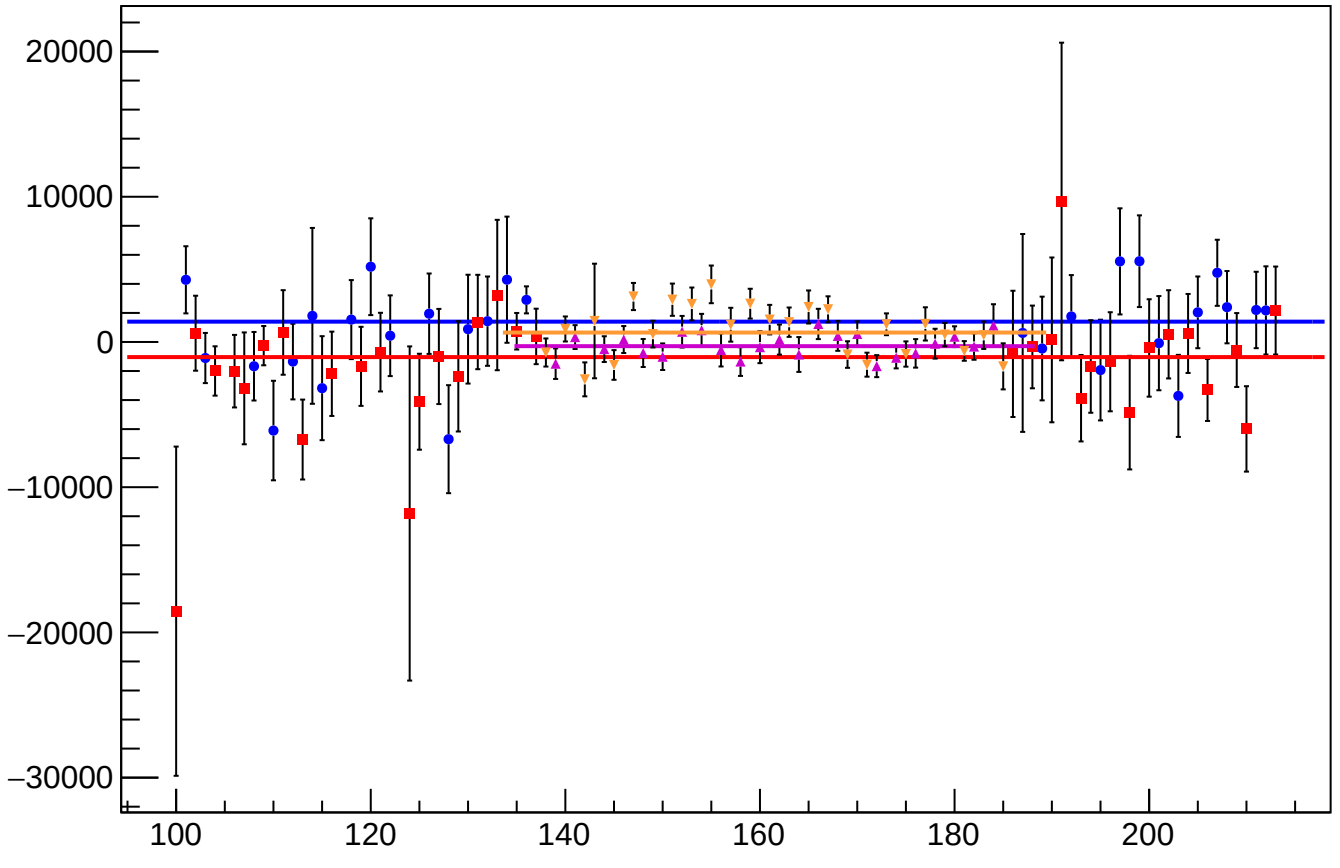
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1687.954+/-0.200 χ^2/NDF: 1229395.9/62

In: 1682.919+/-0.200 χ^2/NDF:673028.4/51

Out: 1695.994+/-0.196 χ^2/NDF:1216160.7/58

All: 1689.585+/-0.140 χ^2/NDF: 1891369.1/11



Right In: 1399.561+/-473.725 χ^2/NDF: 32.4/28

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

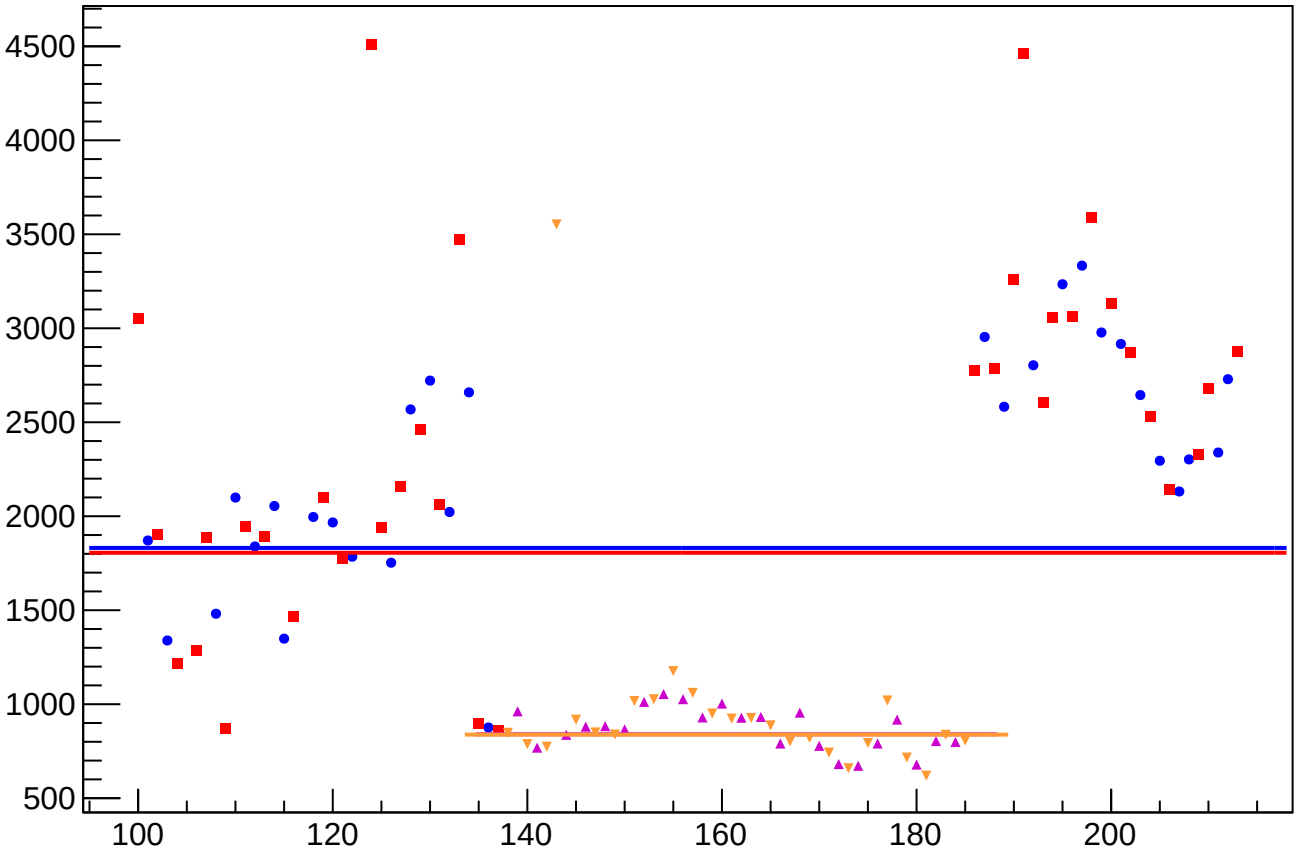
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 143.141+/-329.985 χ^2/NDF: 69.2/62

In: -36.492+/-183.073 χ^2/NDF:59.8/51

Out: 390.108+/-180.053 χ^2/NDF:100.1/58

All: 180.356+/-128.371 χ^2/NDF: 162.7/110



Right In: 1831.492+/-0.335 χ^2/NDF: 4771438.2/28

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

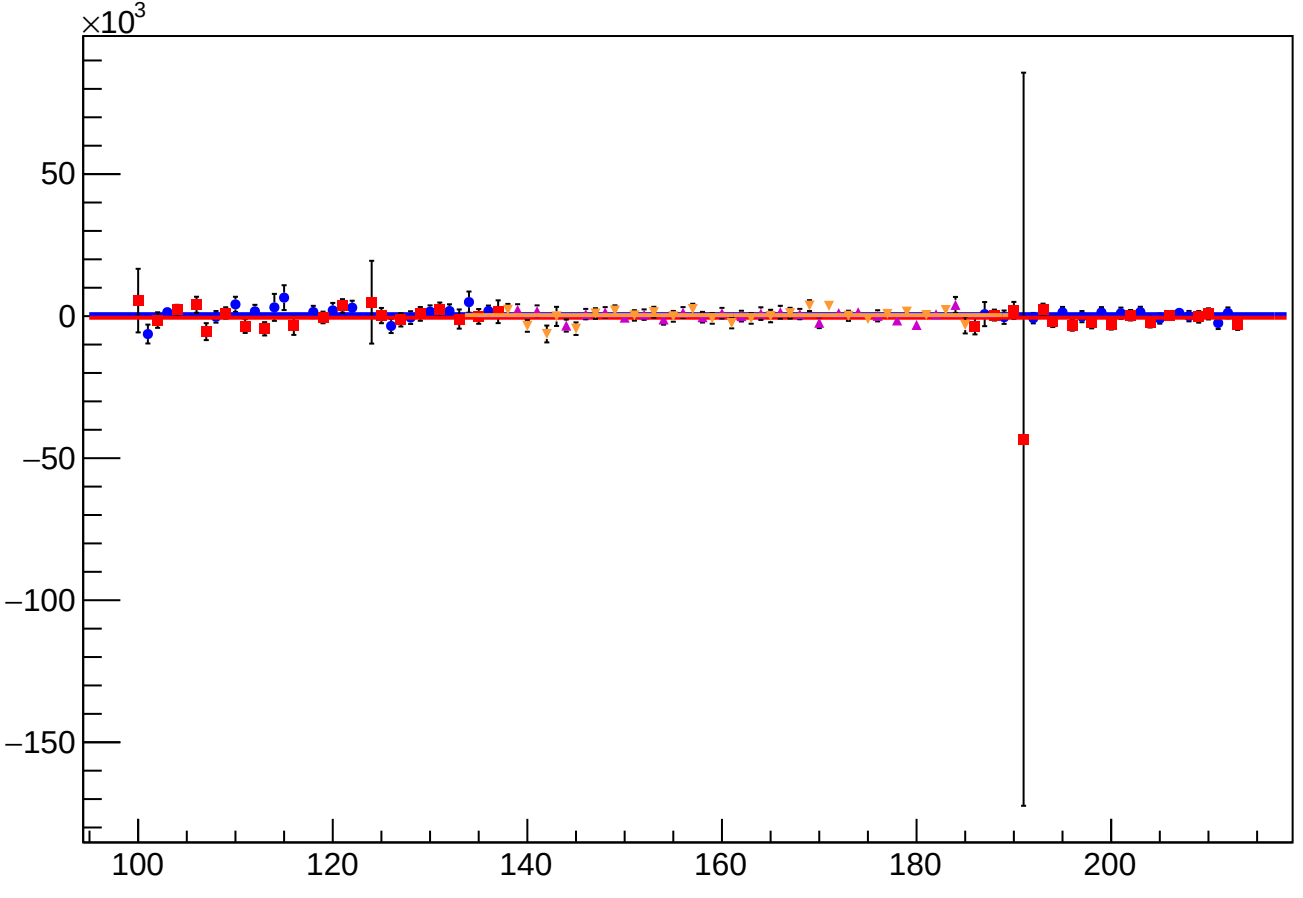
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1818.201+/-0.233 χ^2/NDF: 11080987.6/62

In: 988.056+/-0.129 χ^2/NDF:12893763.1/51

Out: 986.514+/-0.127 χ^2/NDF:15599726.4/58

All: 987.272+/-0.091 χ^2/NDF: 28493561.6/11



Right In: 692.132+/-405.864 χ^2/NDF: 19.6/28

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

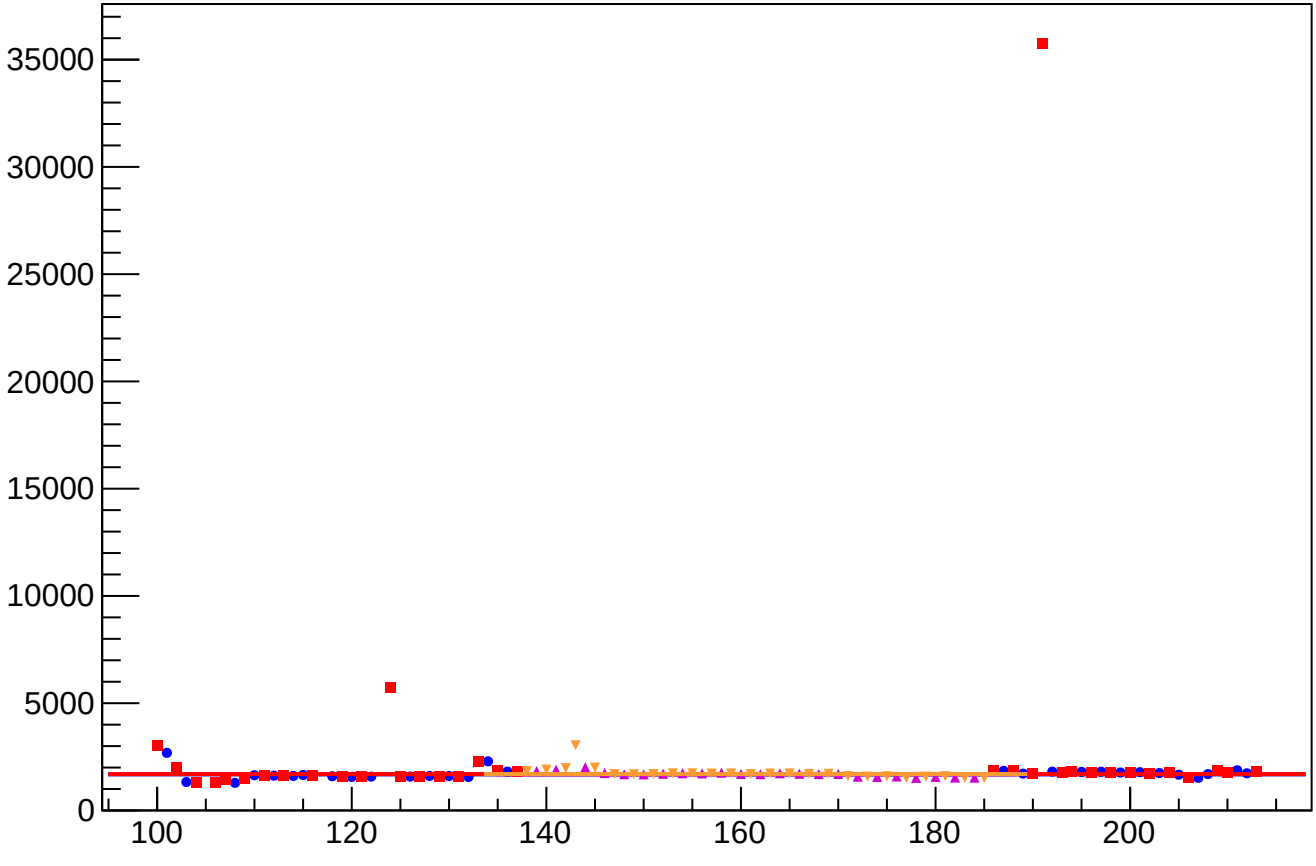
Right: 53.329+/-283.534 χ^2/NDF: 55.5/62

In: 416.772+/-282.796 χ^2/NDF:36.6/51

Out: -87.517+/-277.280 χ^2/NDF:63.3/58

All: 159.661+/-197.988 χ^2/NDF: 101.5/110

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1681.161+/-0.287 χ^2/NDF: 507600.2/28

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

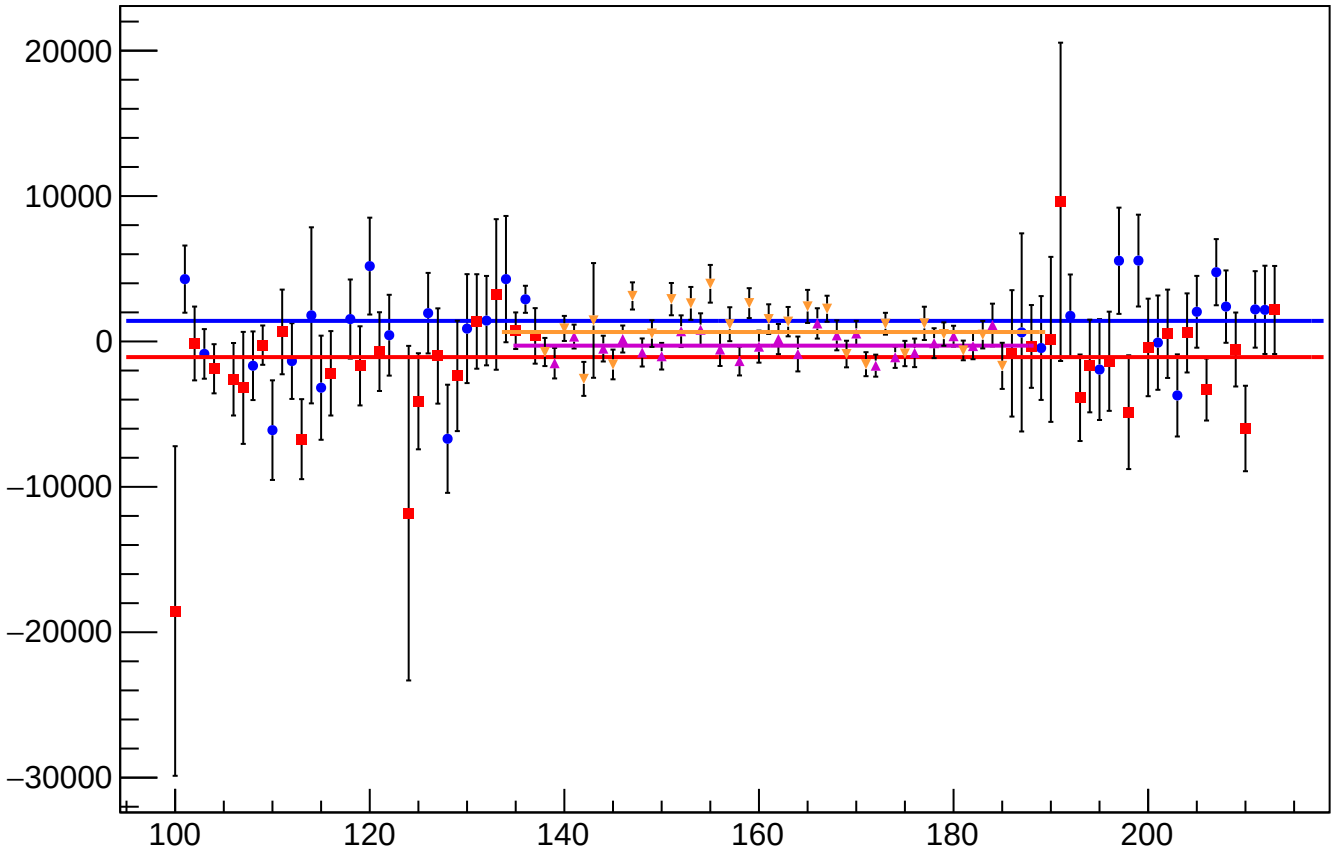
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1687.954+/-0.200 χ^2/NDF: 1229396.4/62

In: 1682.918+/-0.200 χ^2/NDF:673028.8/51

Out: 1695.994+/-0.196 χ^2/NDF:1216160.9/58

All: 1689.585+/-0.140 χ^2/NDF: 1891369.6/11



Right In: 1414.511+/-473.274 χ^2/NDF: 32.1/28

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

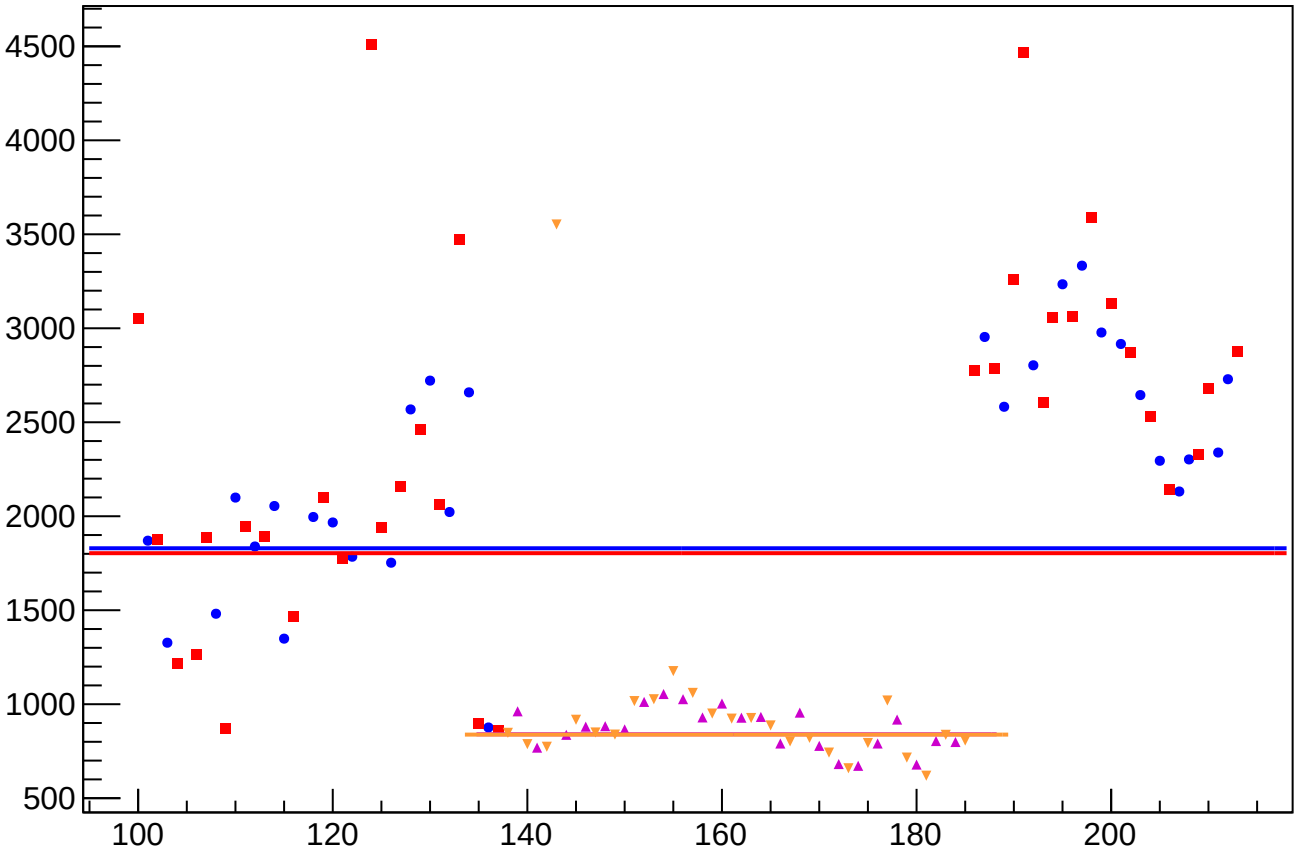
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 132.421+/-329.673 χ^2/NDF: 69.4/62

In: -33.835+/-183.047 χ^2/NDF:59.7/51

Out: 384.326+/-180.029 χ^2/NDF:100.5/58

All: 178.722+/-128.353 χ^2/NDF: 162.8/110



Right In: 1829.636+/-0.335 χ^2/NDF: 4783391.8/28

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

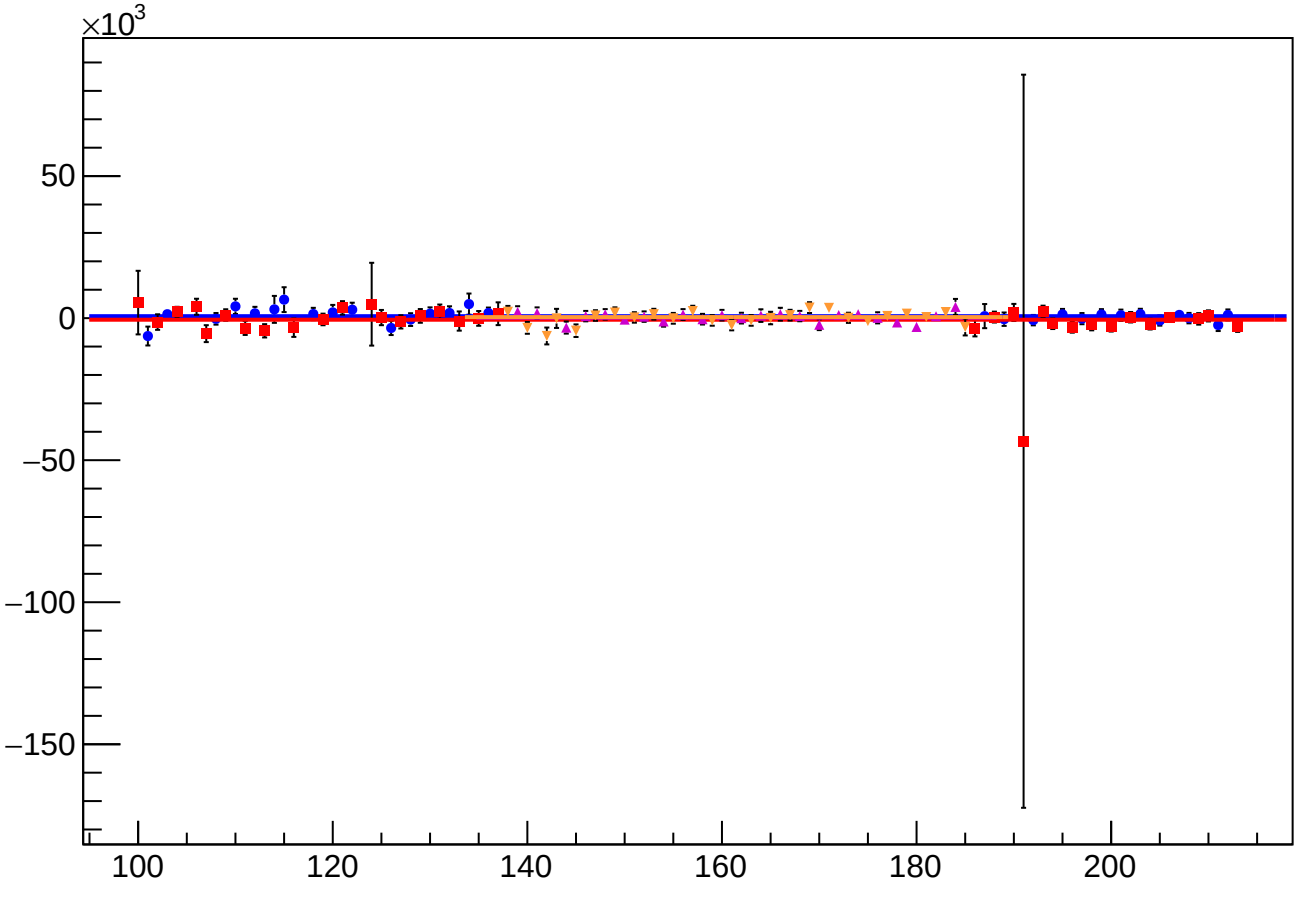
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1816.171+/-0.233 χ^2/NDF: 11103451.4/62

In: 988.020+/-0.129 χ^2/NDF:12889821.4/51

Out: 986.426+/-0.127 χ^2/NDF:15587796.7/58

All: 987.210+/-0.091 χ^2/NDF: 28477695.2/11



Right In: 692.132+/-405.864 χ^2/NDF: 19.6/28

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

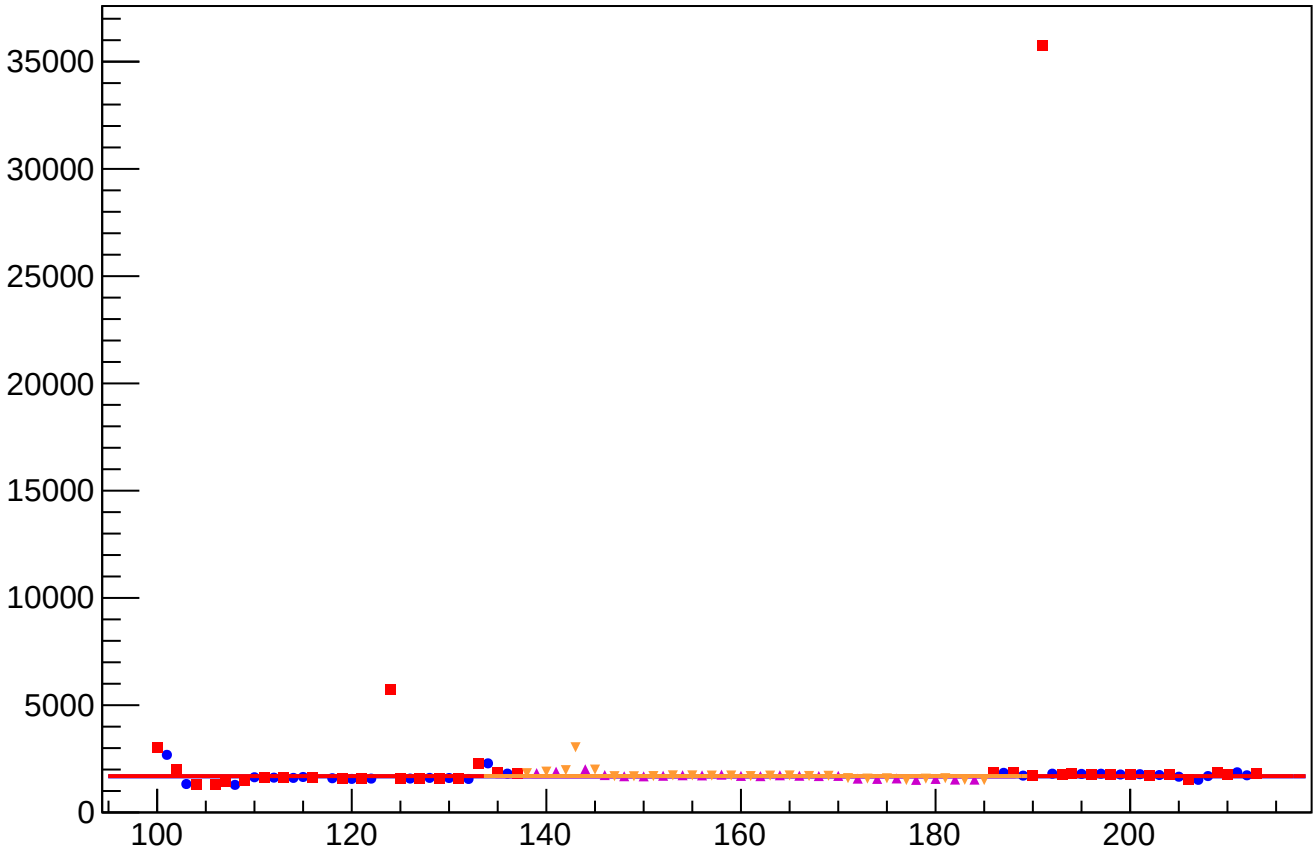
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 53.329+/-283.534 χ^2/NDF: 55.5/62

In: 416.772+/-282.796 χ^2/NDF:36.6/51

Out: -87.517+/-277.280 χ^2/NDF:63.3/58

All: 159.661+/-197.988 χ^2/NDF: 101.5/110



Right In: 1681.161+/-0.287 χ^2/NDF: 507600.2/28

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

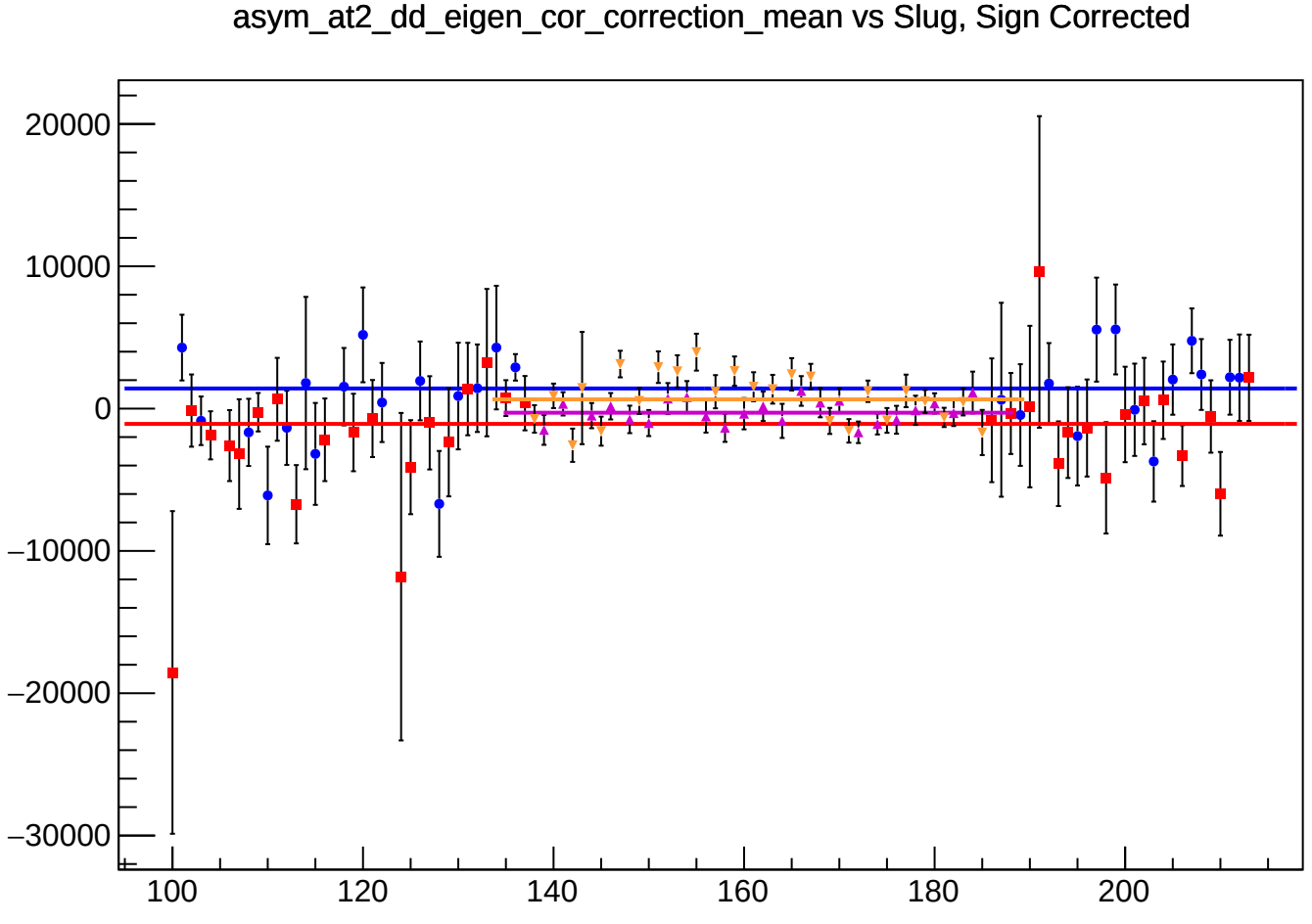
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1687.954+/-0.200 χ^2/NDF: 1229396.4/62

In: 1682.918+/-0.200 χ^2/NDF:673028.8/51

Out: 1695.994+/-0.196 χ^2/NDF:1216160.9/58

All: 1689.585+/-0.140 χ^2/NDF: 1891369.6/11



Right In: 1414.511+/-473.274 χ^2/NDF: 32.1/28

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

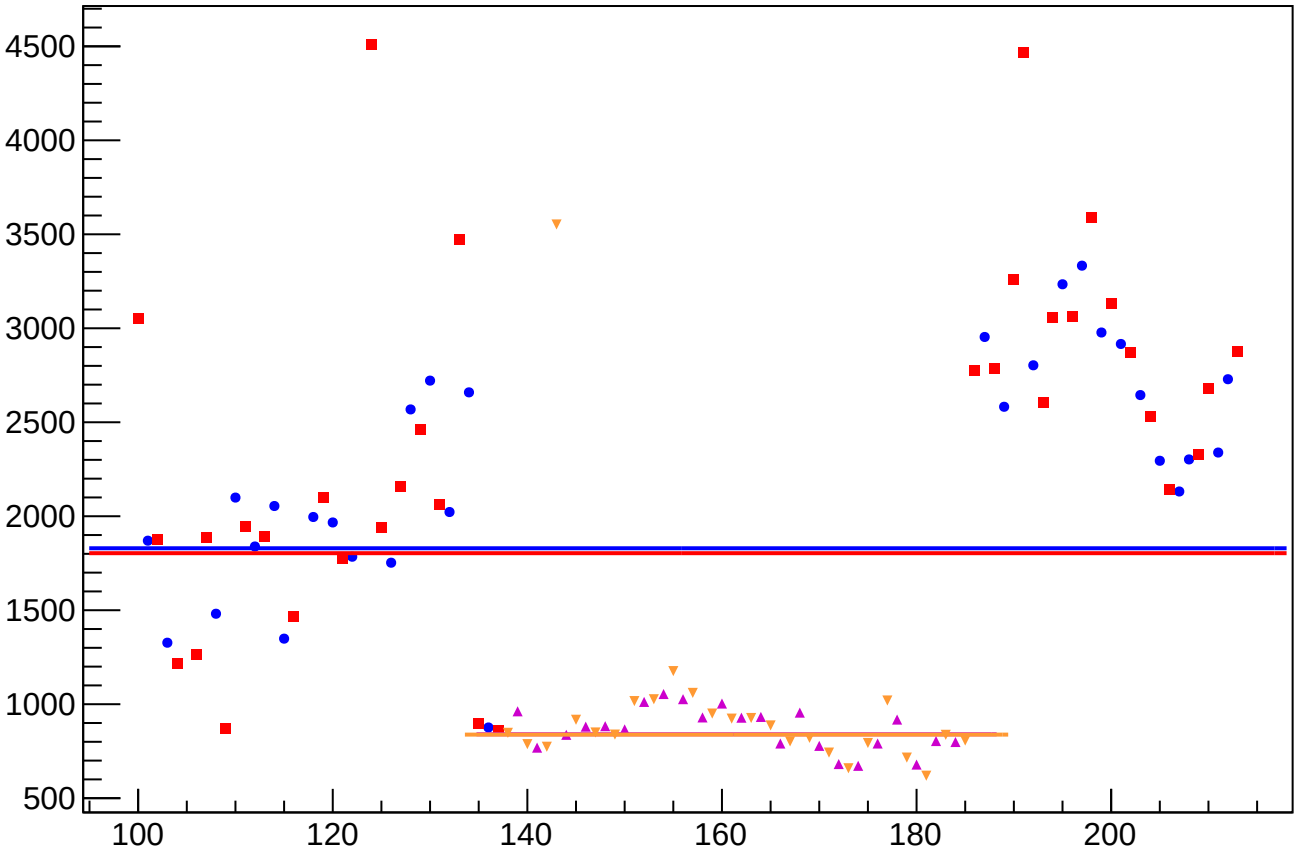
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 132.421+/-329.673 χ^2/NDF: 69.4/62

In: -33.835+/-183.047 χ^2/NDF:59.7/51

Out: 384.326+/-180.029 χ^2/NDF:100.5/58

All: 178.722+/-128.353 χ^2/NDF: 162.8/110



Right In: 1829.636+/-0.335 χ^2/NDF: 4783391.8/28

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

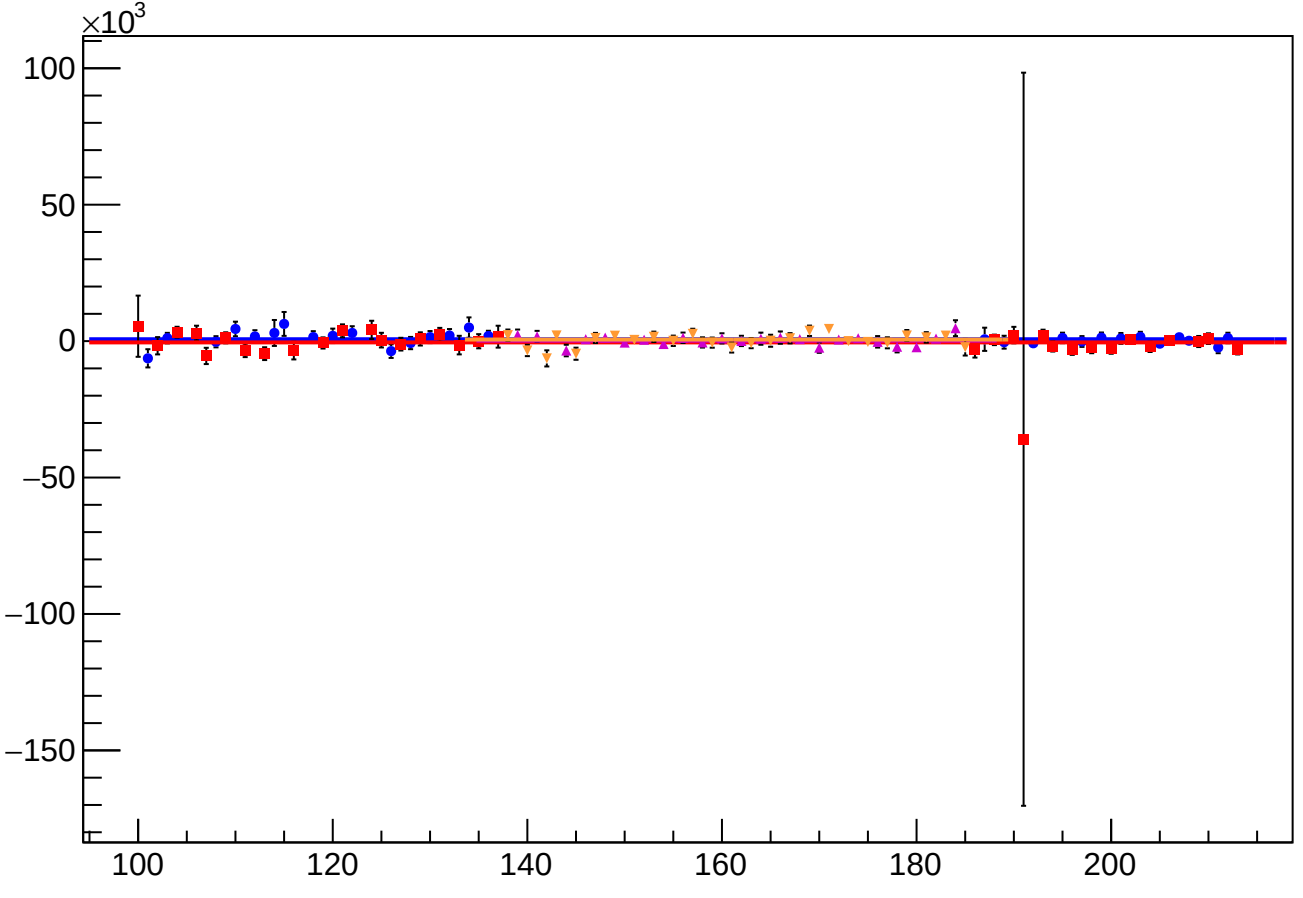
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1816.171+/-0.233 χ^2/NDF: 11103451.4/62

In: 988.020+/-0.129 χ^2/NDF:12889821.4/51

Out: 986.426+/-0.127 χ^2/NDF:15587796.7/58

All: 987.210+/-0.091 χ^2/NDF: 28477695.2/11



Right In: 686.836+/-408.686 χ^2/NDF: 20.2/28

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

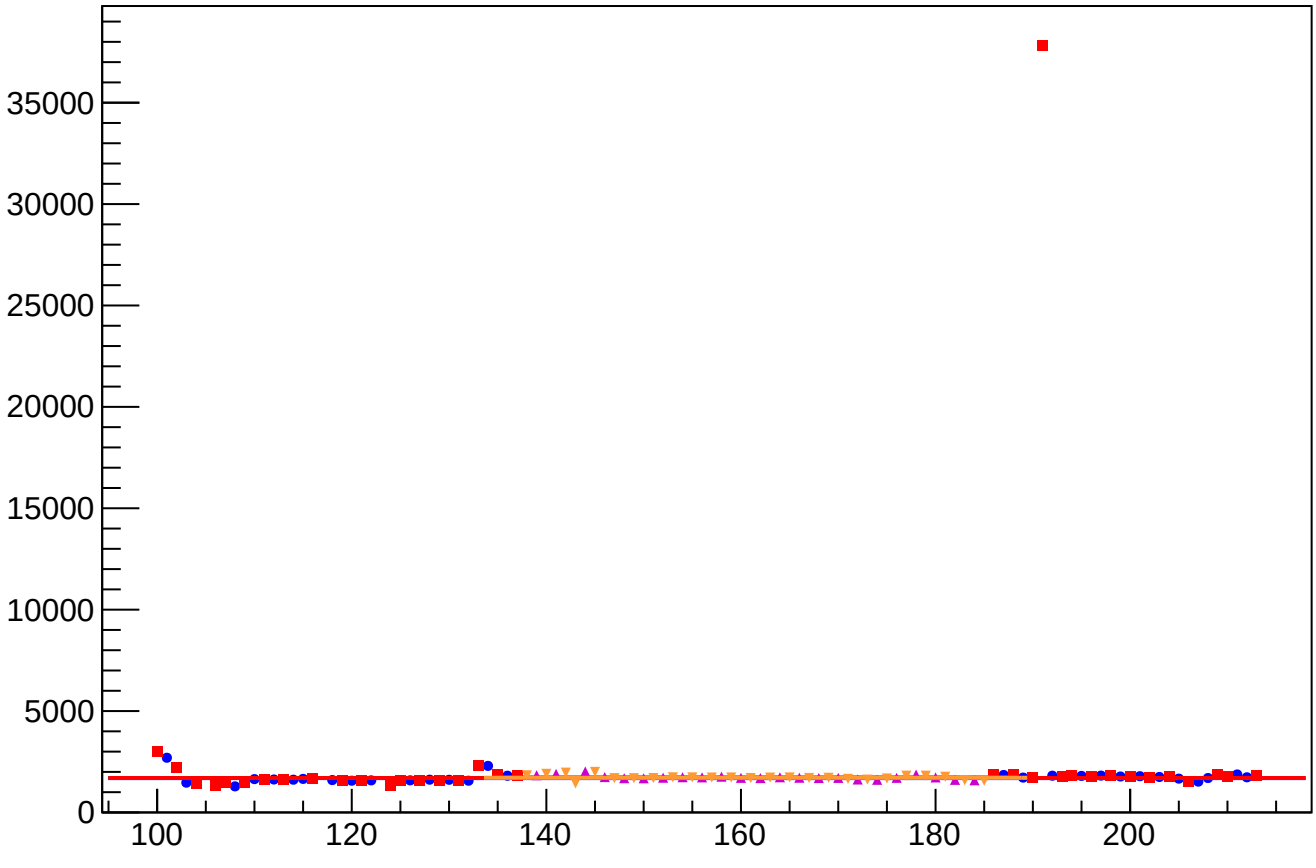
Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

Right: 91.780+/-284.676 χ^2/NDF: 57.7/62

In: 433.505+/-287.347 χ^2/NDF:35.4/51

Out: 64.950+/-278.049 χ^2/NDF:68.9/58

All: 243.168+/-199.817 χ^2/NDF: 105.1/110



Right In: 1694.243+/-0.289 χ^2/NDF: 451802.8/28

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

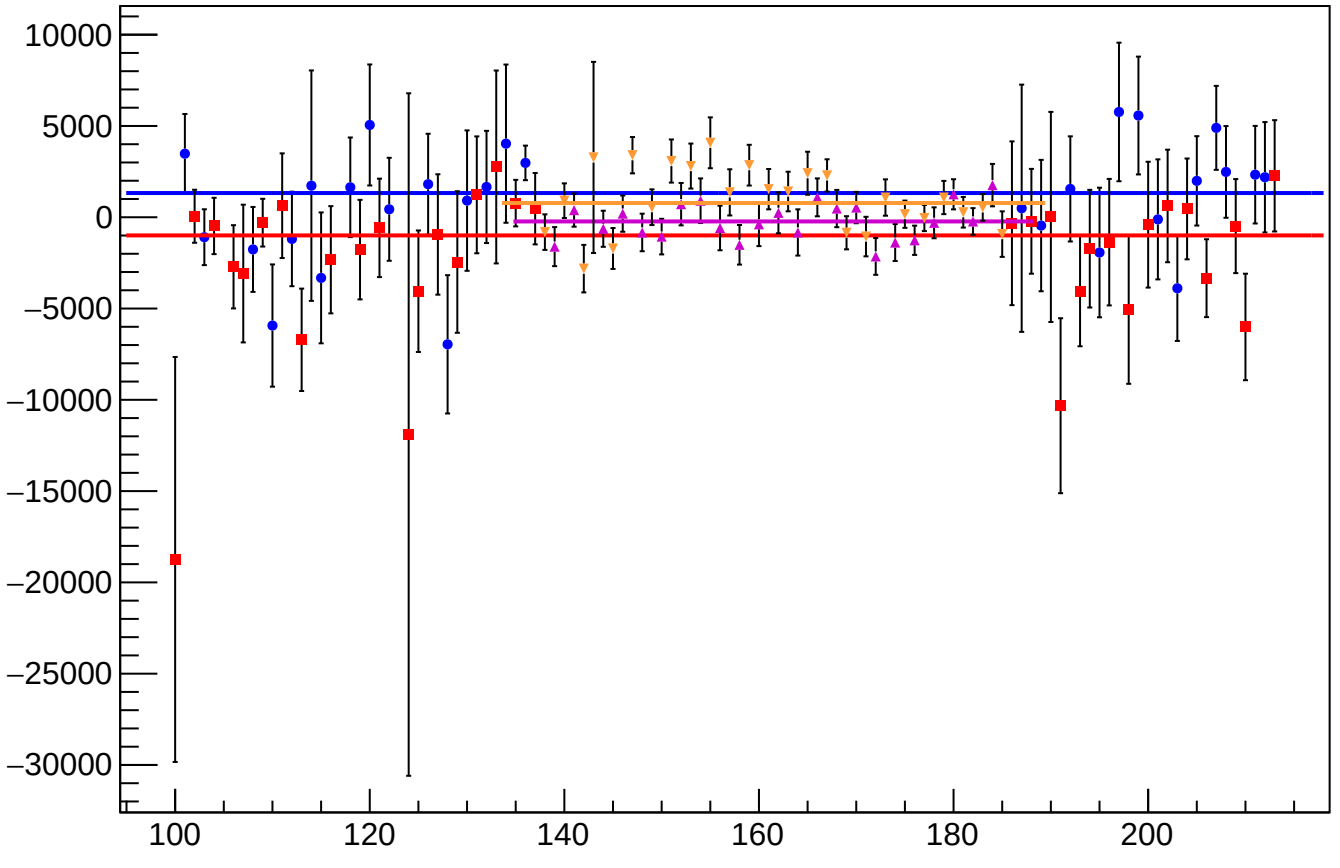
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1696.906+/-0.201 χ^2/NDF: 1032210.8/62

In: 1711.268+/-0.203 χ^2/NDF:558893.5/51

Out: 1705.673+/-0.197 χ^2/NDF:749226.9/58

All: 1708.378+/-0.141 χ^2/NDF: 1308512.0/11



Right In: 1326.281+/-471.309 χ^2/NDF: 32.8/28

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -994.981+/-440.237 χ^2/NDF: 25.9/33

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

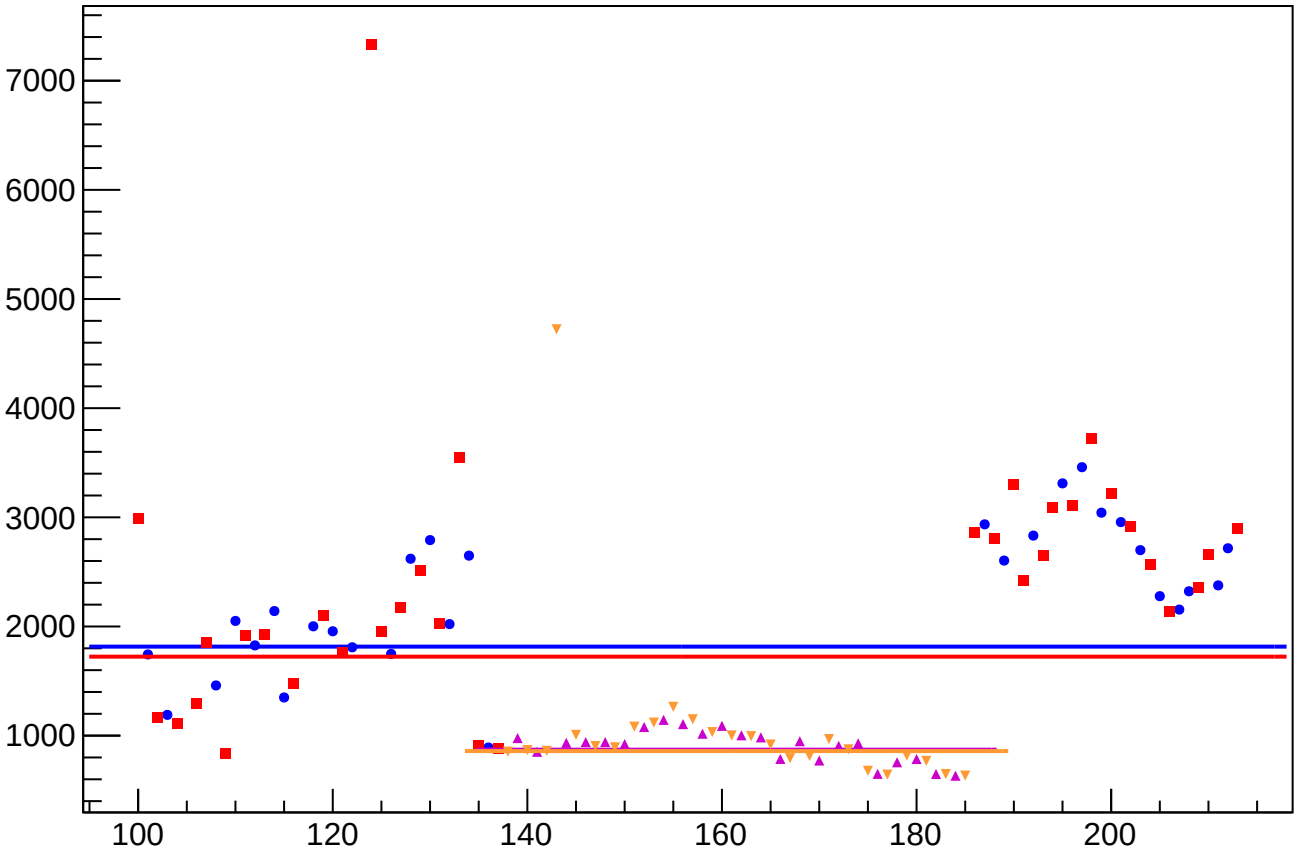
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 86.615+/-321.719 χ^2/NDF: 71.6/62

In: 21.996+/-189.298 χ^2/NDF:64.6/51

Out: 471.352+/-183.326 χ^2/NDF:93.8/58

All: 253.874+/-131.692 χ^2/NDF: 161.3/110



Right In: 1815.545+/-0.333 χ^2/NDF: 4967606.6/28

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

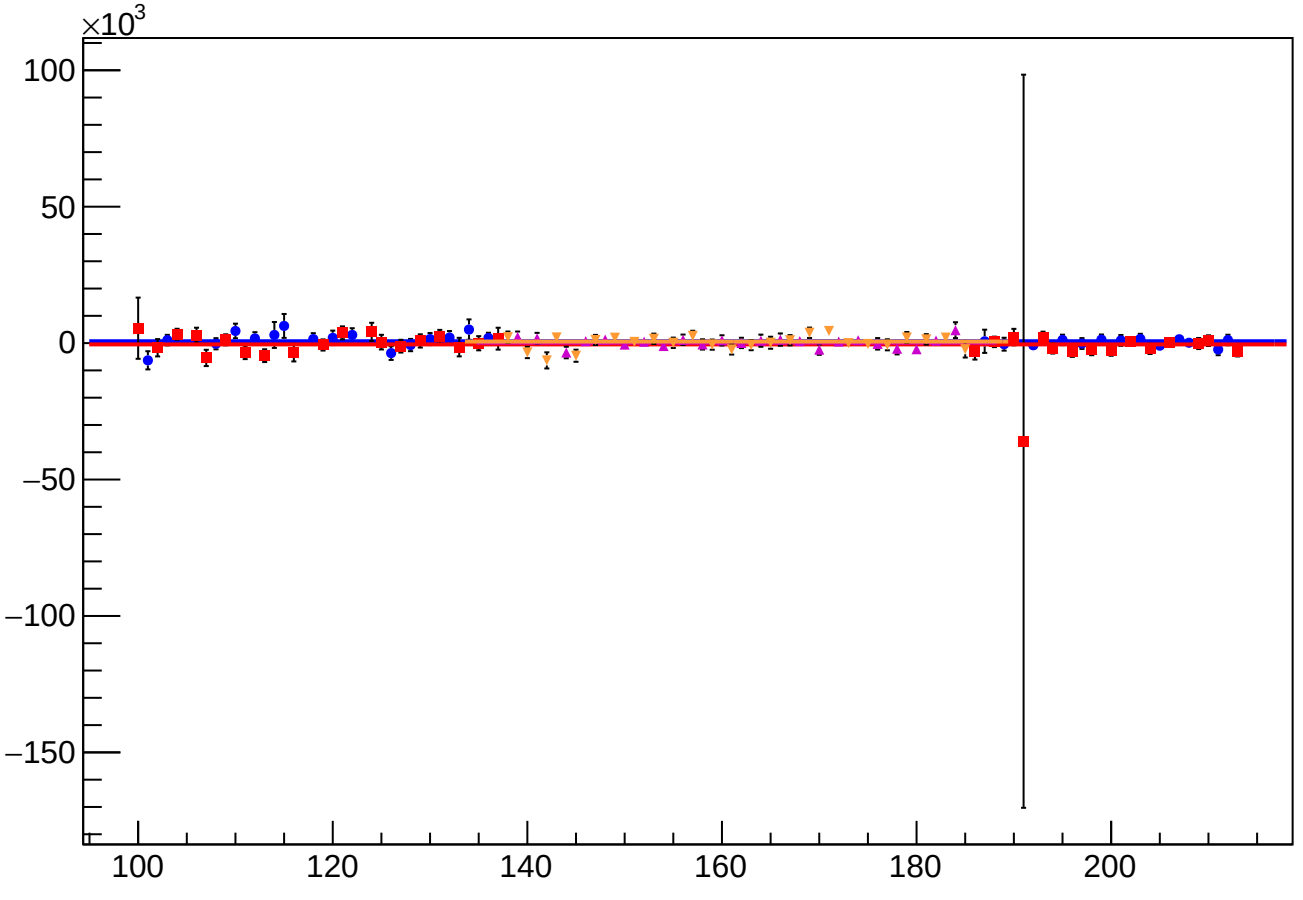
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1766.430+/-0.227 χ^2/NDF: 11978656.1/62

In: 1023.813+/-0.134 χ^2/NDF:12676363.6/51

Out: 1008.590+/-0.130 χ^2/NDF:15632271.9/58

All: 1015.958+/-0.093 χ^2/NDF: 28315309.7/1



Right In: 686.832+/-408.686 χ^2/NDF: 20.2/28

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

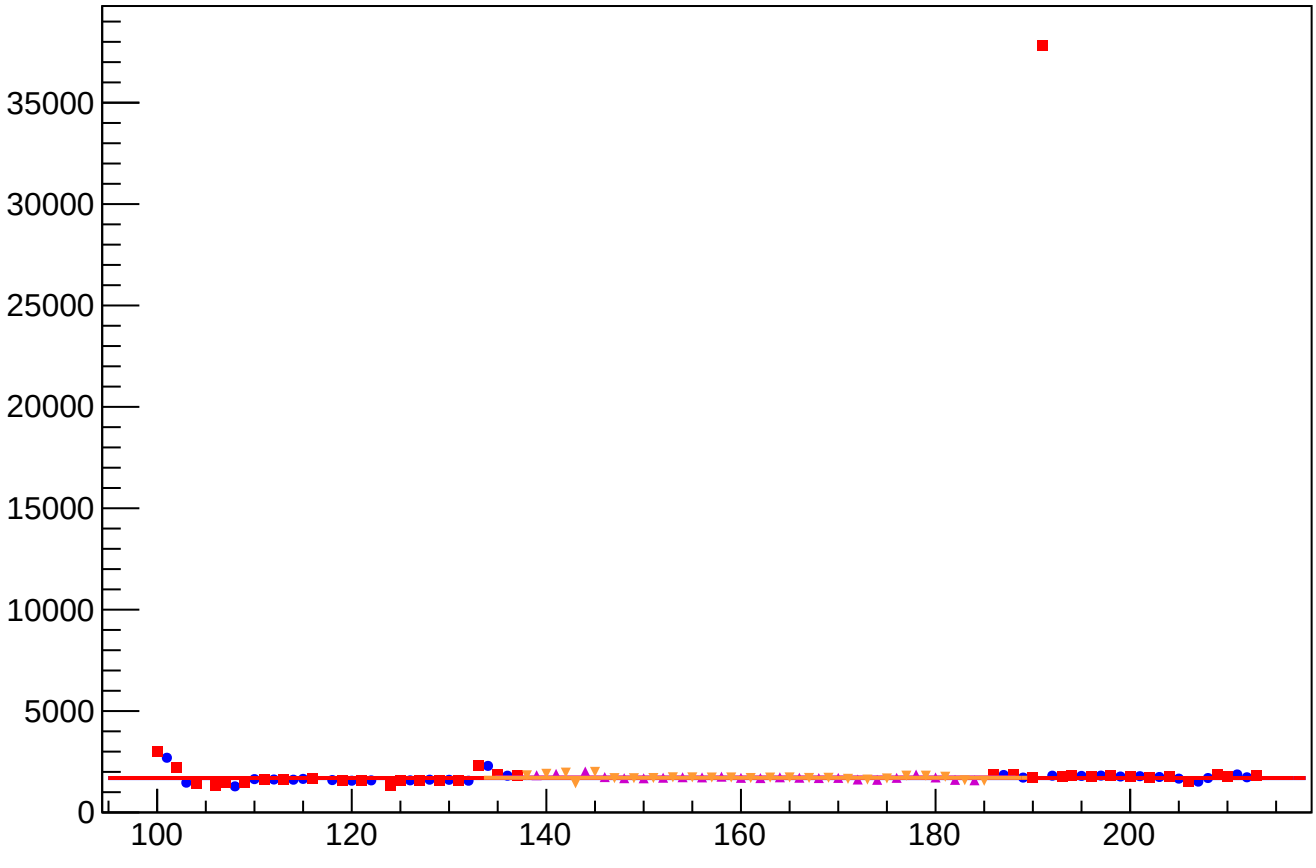
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 91.780+/-284.676 χ^2/NDF: 57.7/62

In: 433.503+/-287.347 χ^2/NDF:35.4/51

Out: 64.949+/-278.048 χ^2/NDF:68.9/58

All: 243.166+/-199.817 χ^2/NDF: 105.1/110



Right In: 1694.243+/-0.289 χ^2/NDF: 451802.7/28

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

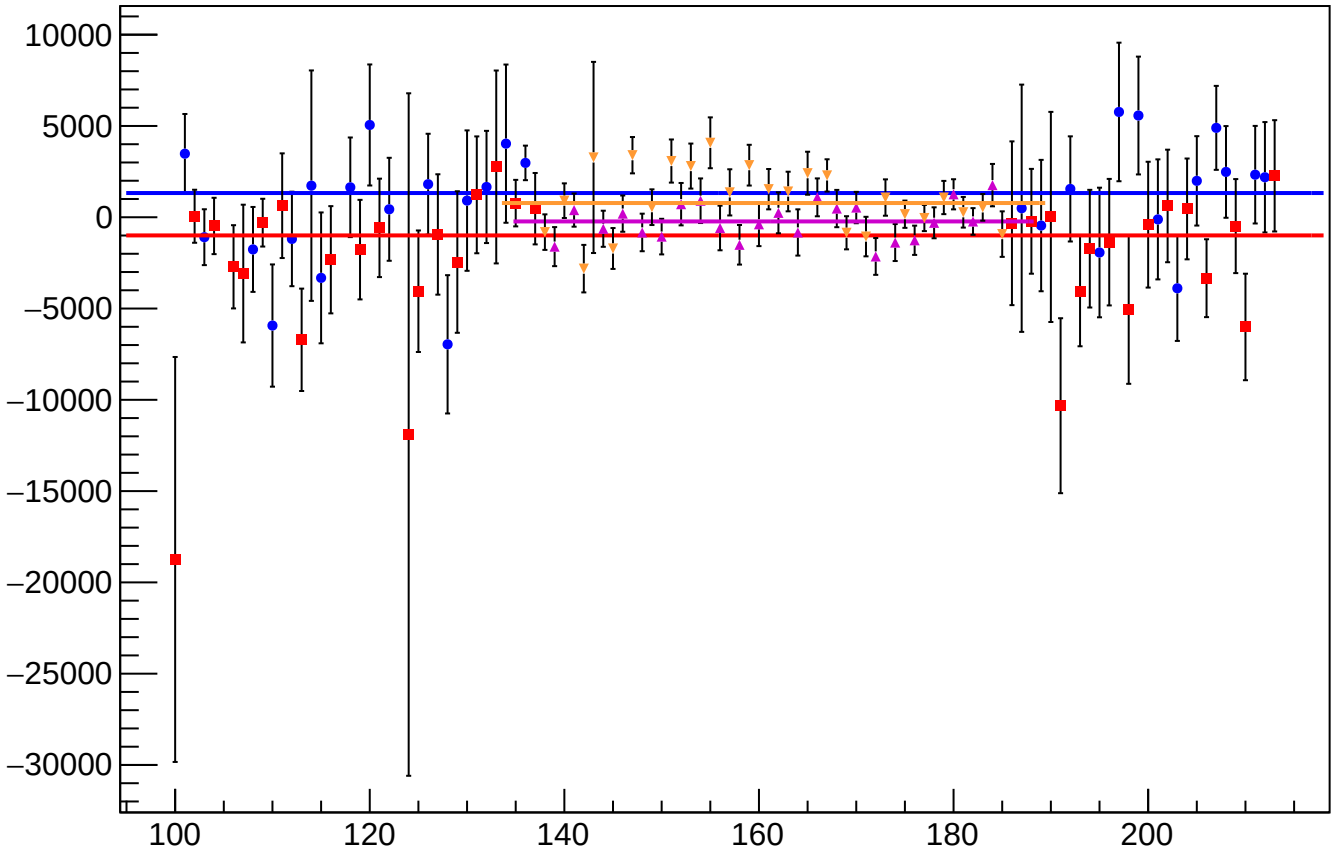
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1696.906+/-0.201 χ^2/NDF: 1032210.9/62

In: 1711.268+/-0.203 χ^2/NDF:558893.3/51

Out: 1705.673+/-0.197 χ^2/NDF:749225.8/58

All: 1708.378+/-0.141 χ^2/NDF: 1308510.6/11



Right In: 1326.277+/-471.311 χ^2/NDF: 32.8/28

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

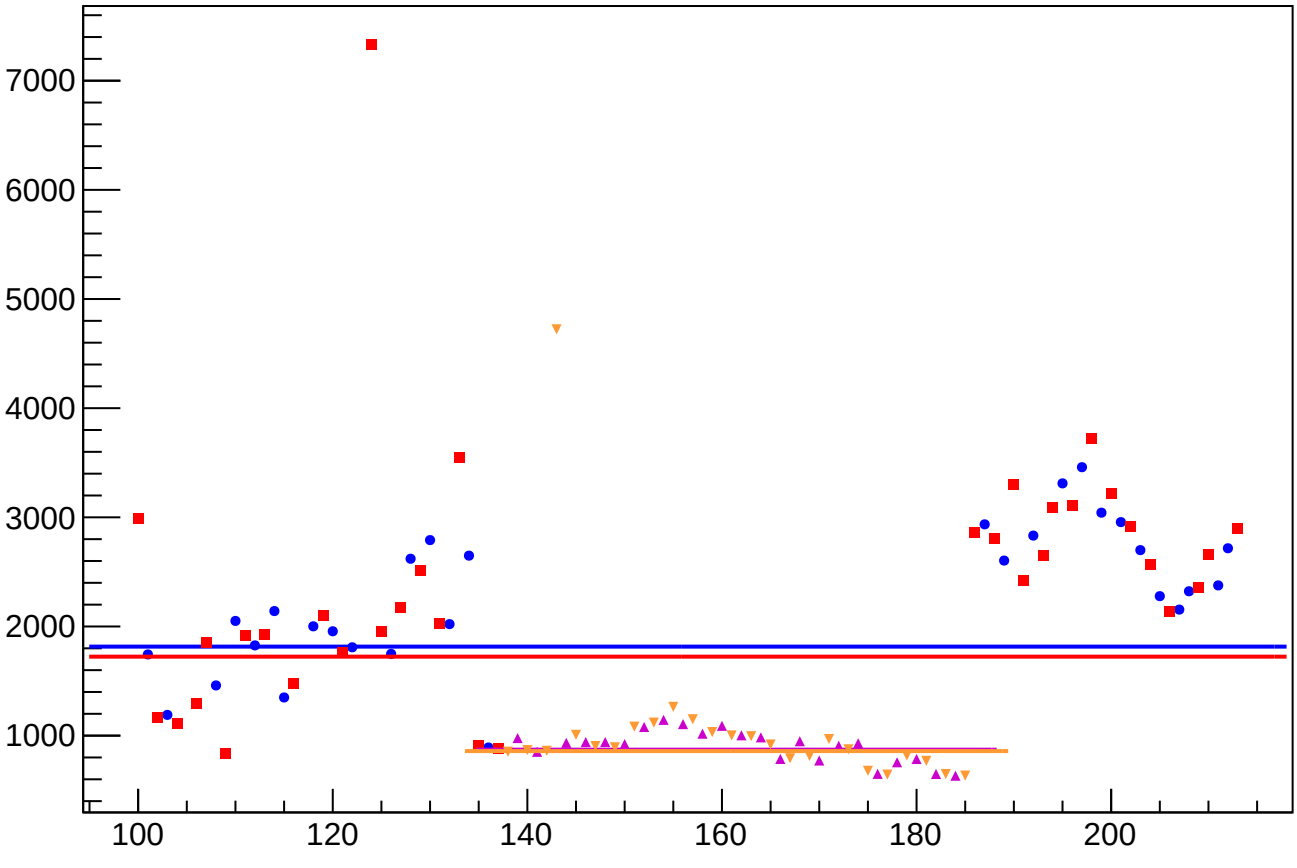
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 86.607+/-321.720 χ^2/NDF: 71.6/62

In: 21.995+/-189.298 χ^2/NDF:64.6/51

Out: 471.354+/-183.326 χ^2/NDF:93.8/58

All: 253.874+/-131.692 χ^2/NDF: 161.3/110



Right In: 1815.558+/-0.333 χ^2/NDF: 4967425.6/28

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

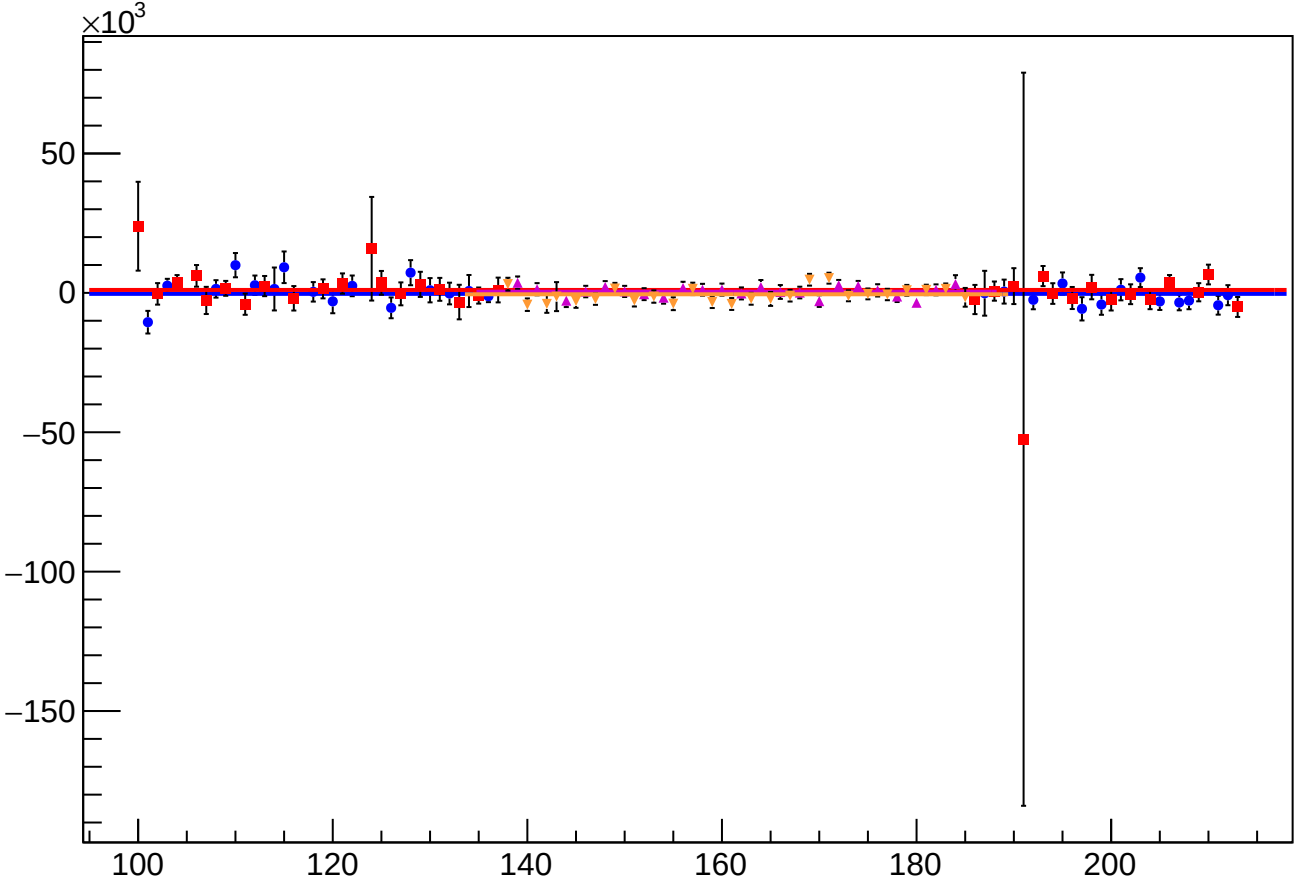
Right: 1766.443+/-0.227 χ^2/NDF: 11978310.5/62

In: 1023.813+/-0.134 χ^2/NDF:12676345.9/51

Out: 1008.591+/-0.130 χ^2/NDF:15632240.3/58

All: 1015.958+/-0.093 χ^2/NDF: 28315259.2/

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -353.531+/-671.032 χ^2/NDF: 34.5/28

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

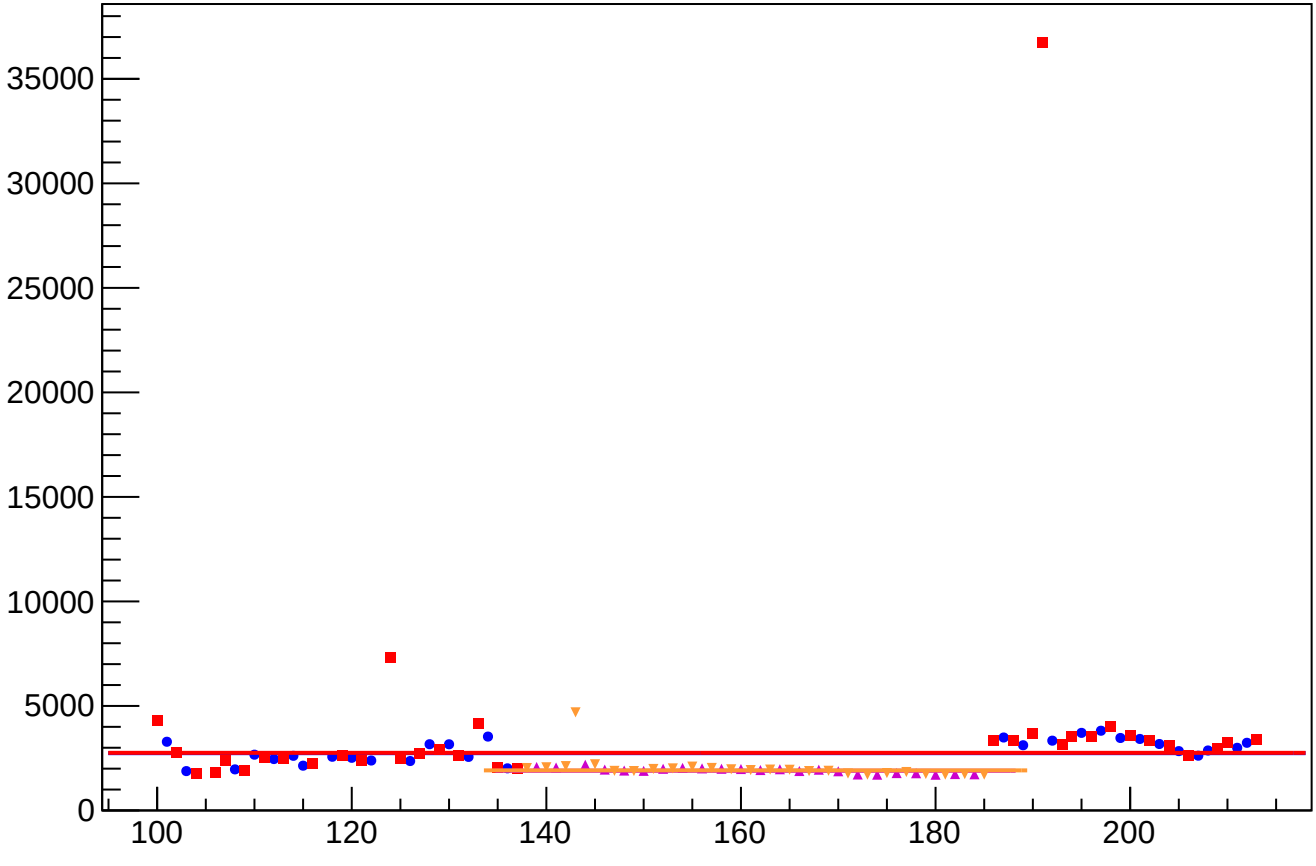
Right: 360.643+/-470.001 χ^2/NDF: 59.6/62

In: 178.011+/-370.615 χ^2/NDF:54.3/51

Out: -23.248+/-365.799 χ^2/NDF:62.6/58

All: 76.066+/-260.345 χ^2/NDF: 117.0/110

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2740.445+/-0.474 χ^2/NDF: 1376233.9/28

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

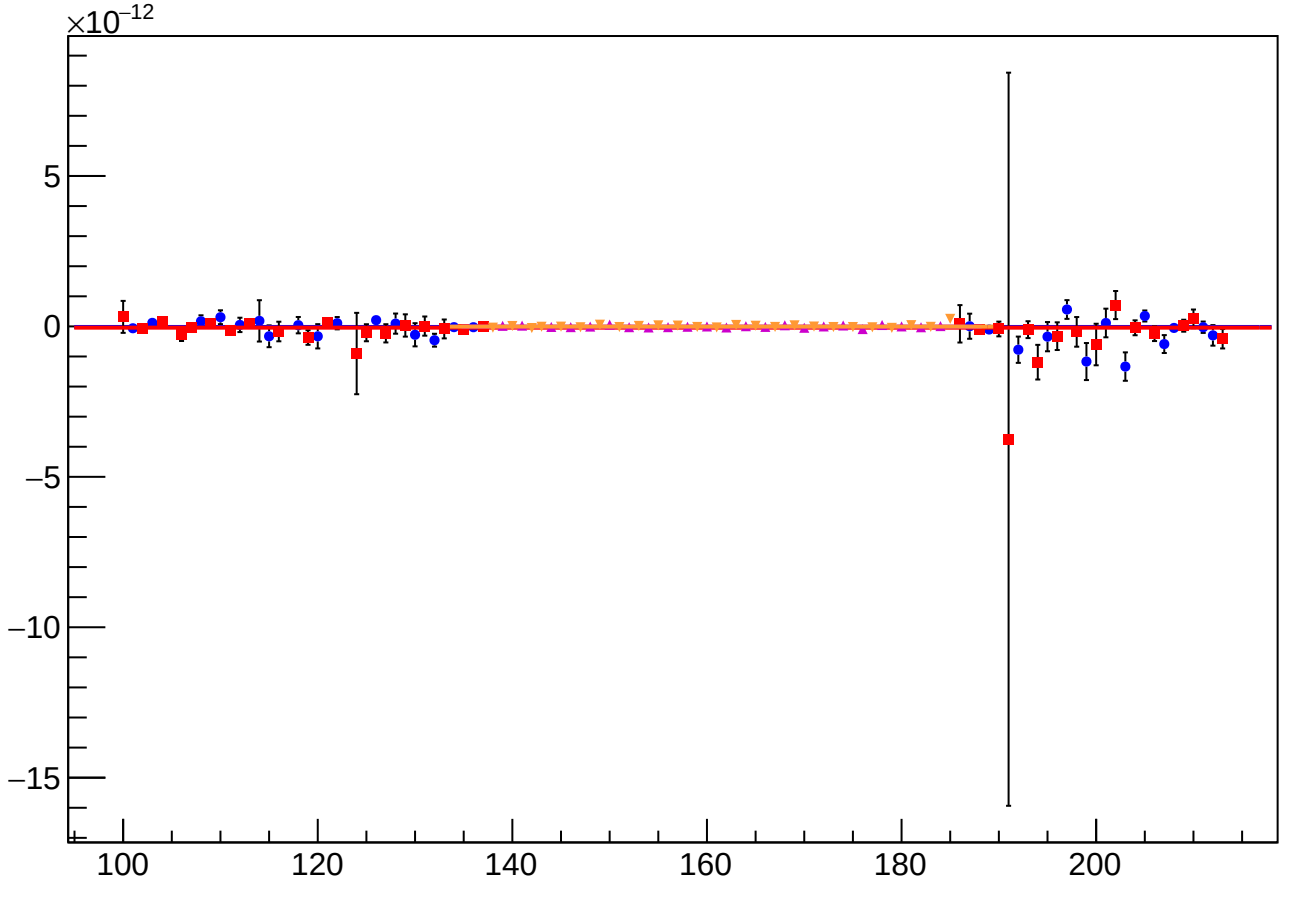
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2748.646+/-0.332 χ^2/NDF: 3444000.6/62

In: 2155.846+/-0.262 χ^2/NDF:3733854.7/51

Out: 2176.173+/-0.259 χ^2/NDF:5070431.5/58

All: 2166.142+/-0.184 χ^2/NDF: 8807333.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 41.9/28

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

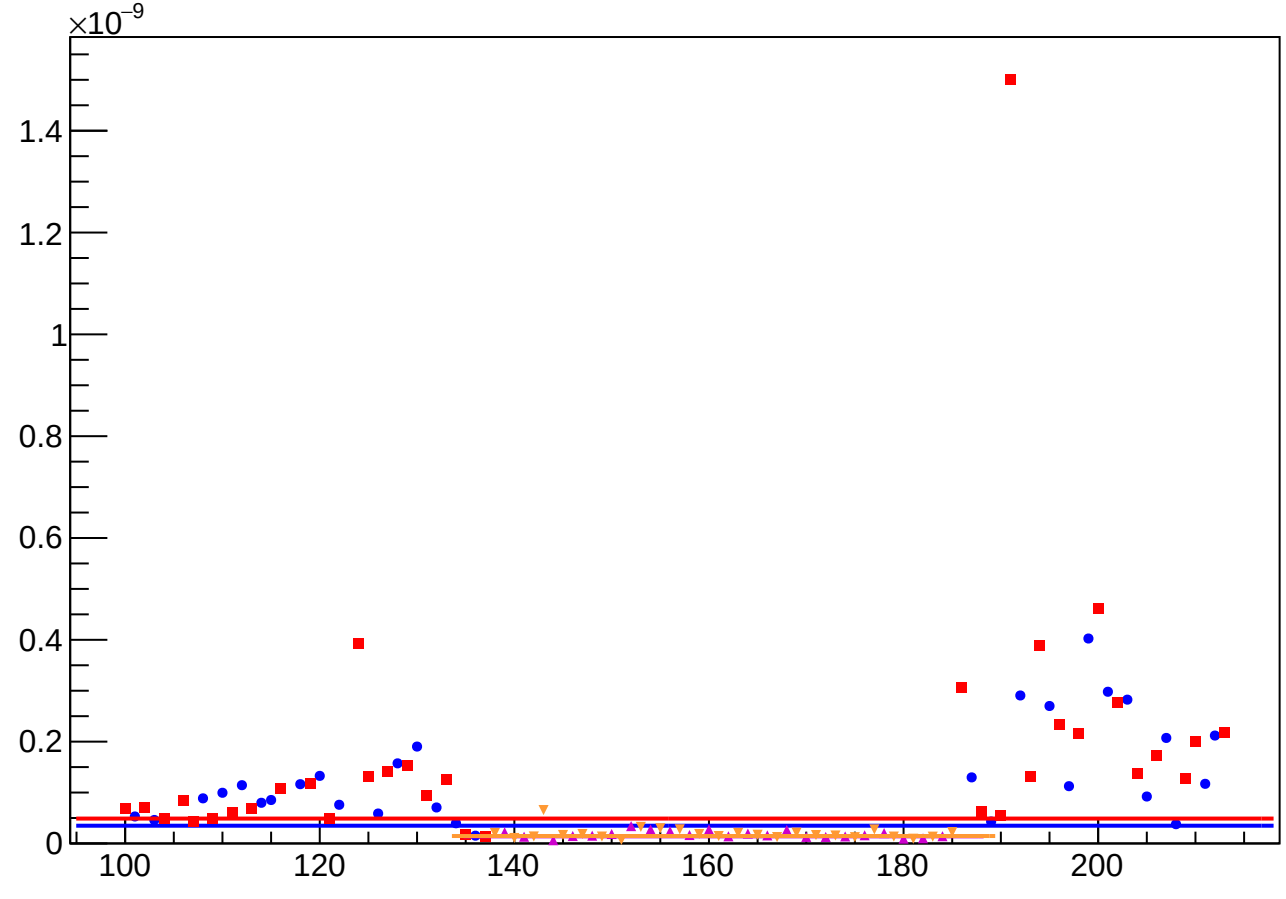
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 68.7/62

In: -0.000+/-0.000 χ^2/NDF:67.2/51

Out: -0.000+/-0.000 χ^2/NDF:56.7/58

All: -0.000+/-0.000 χ^2/NDF: 123.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 8001812.0/28

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

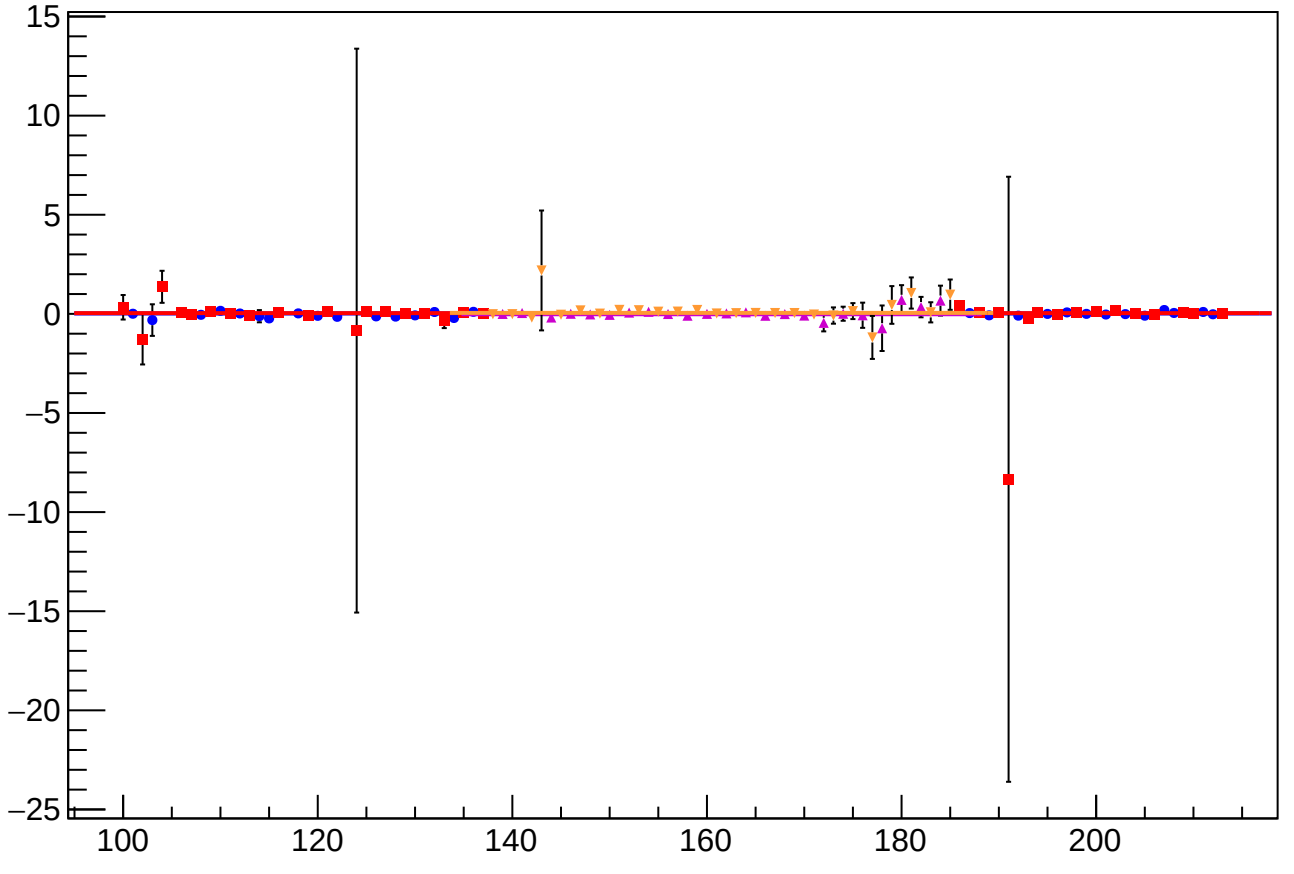
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 16294538.9/62

In: 0.000+/-0.000 χ^2/NDF:11799771.7/51

Out: 0.000+/-0.000 χ^2/NDF:13103461.7/58

All: 0.000+/-0.000 χ^2/NDF: 24921358.7/110



Right In: 0.019+/-0.018 χ^2/NDF: 30.4/28

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

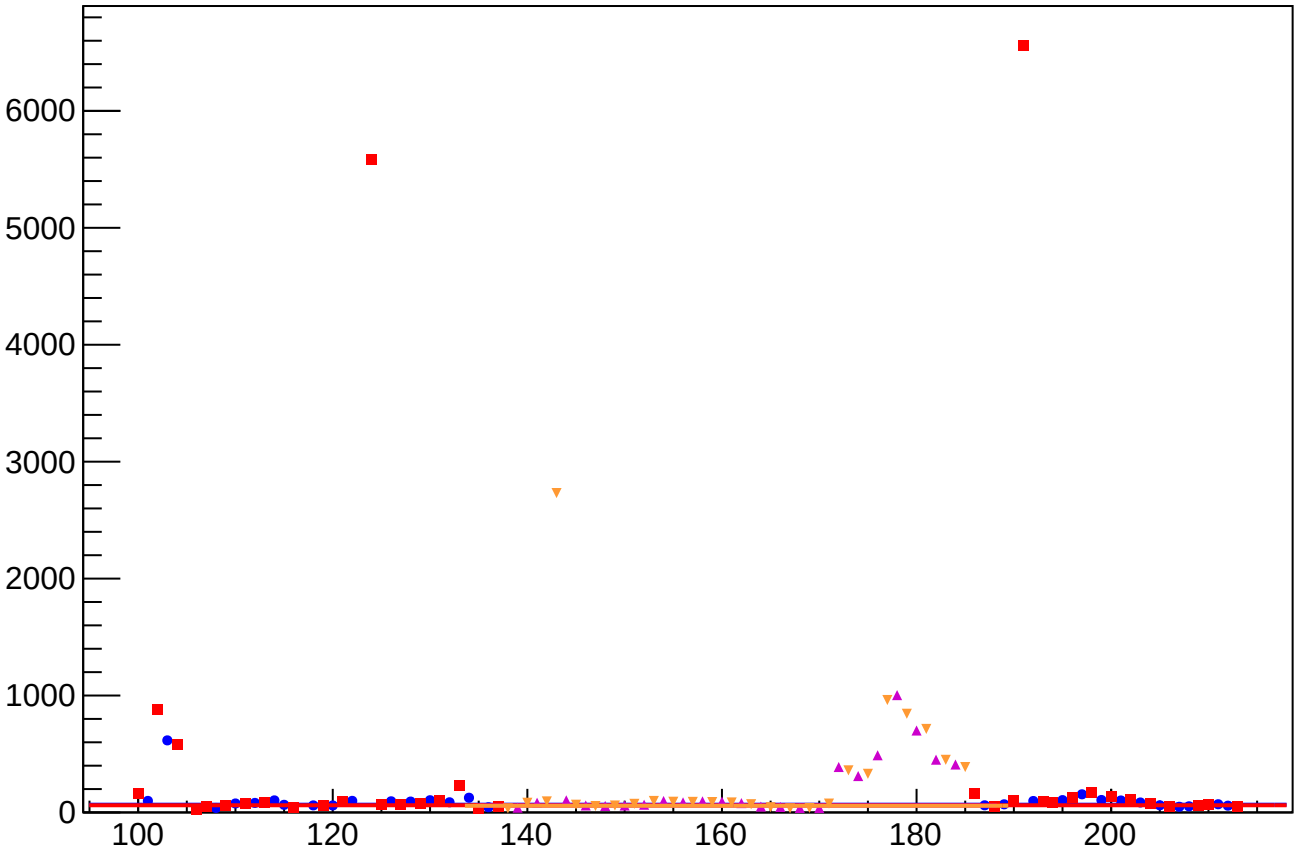
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.028+/-0.012 χ^2/NDF: 56.7/62

In: -0.001+/-0.012 χ^2/NDF:48.1/51

Out: 0.043+/-0.012 χ^2/NDF:50.5/58

All: 0.022+/-0.009 χ^2/NDF: 105.2/110



Right In: 66.357+/-0.013 χ^2/NDF: 4239771.3/28

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

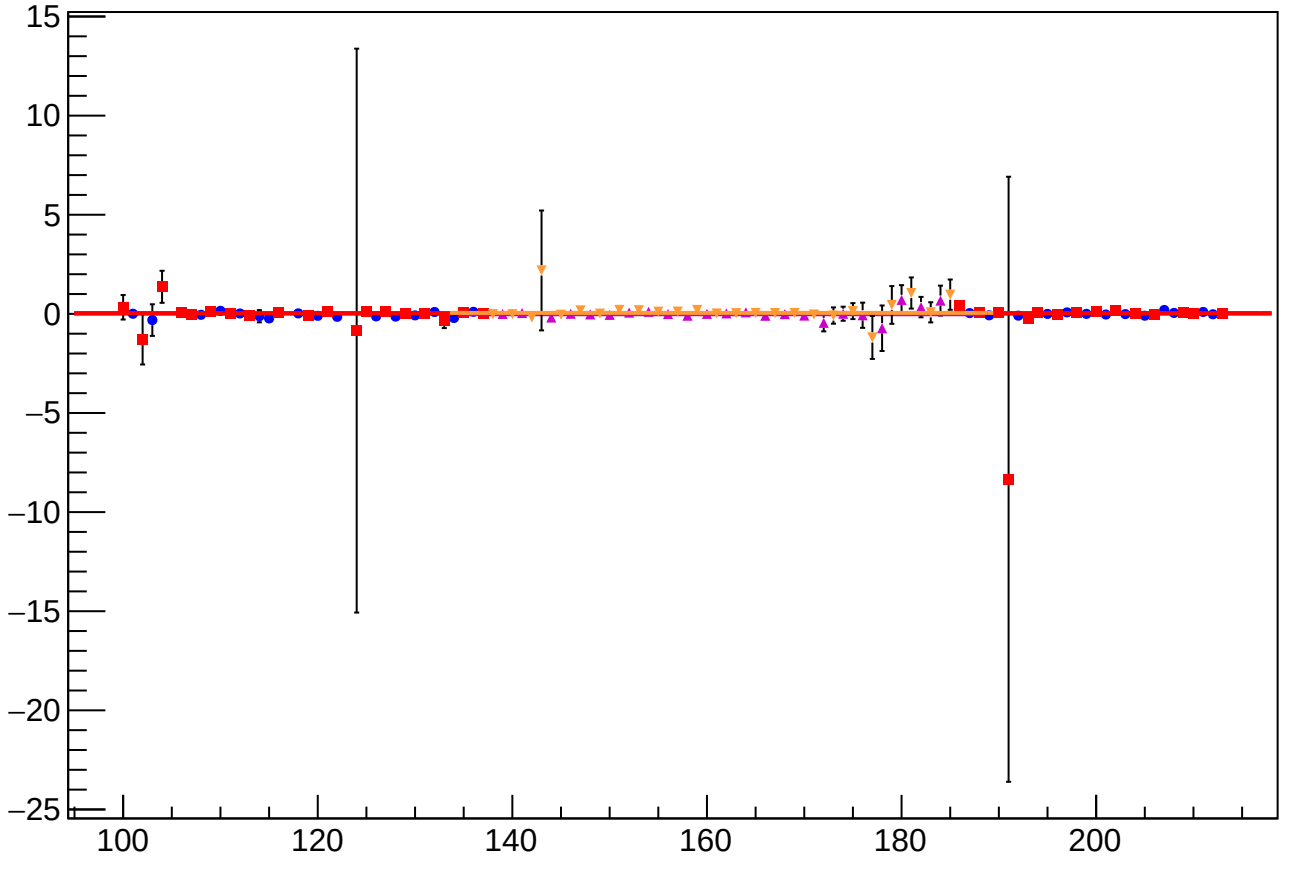
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 63.803+/-0.009 χ^2/NDF: 11633480.7/62

In: 62.311+/-0.009 χ^2/NDF:14685218.3/51

Out: 59.416+/-0.008 χ^2/NDF:19701633.9/58

All: 60.818+/-0.006 χ^2/NDF: 34443485.7/110



Right In: 0.019+/-0.018 χ^2/NDF: 30.4/28

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

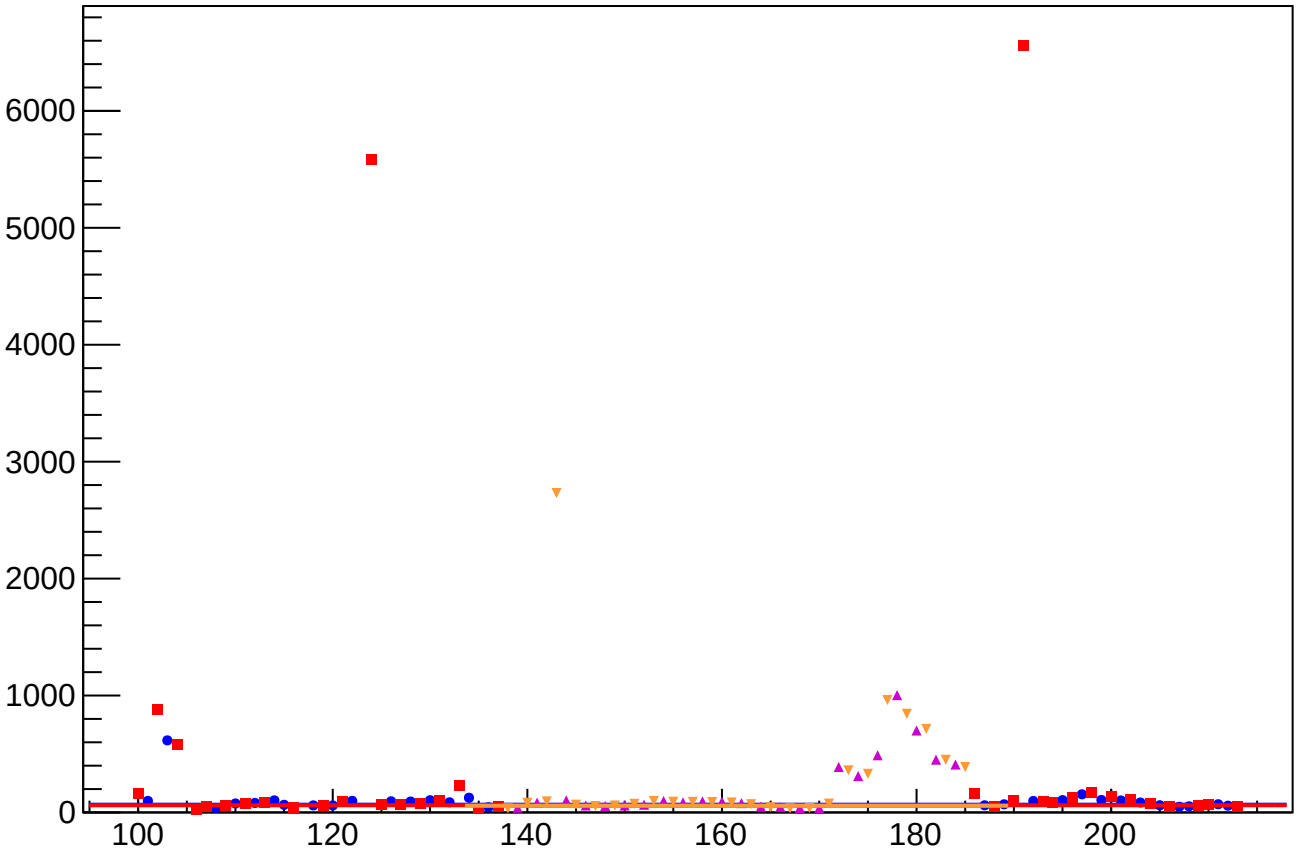
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.028+/-0.012 χ^2/NDF: 56.7/62

In: -0.001+/-0.012 χ^2/NDF:48.1/51

Out: 0.043+/-0.012 χ^2/NDF:50.5/58

All: 0.022+/-0.009 χ^2/NDF: 105.2/110



Right In: 66.357+/-0.013 χ^2/NDF: 4239771.3/28

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

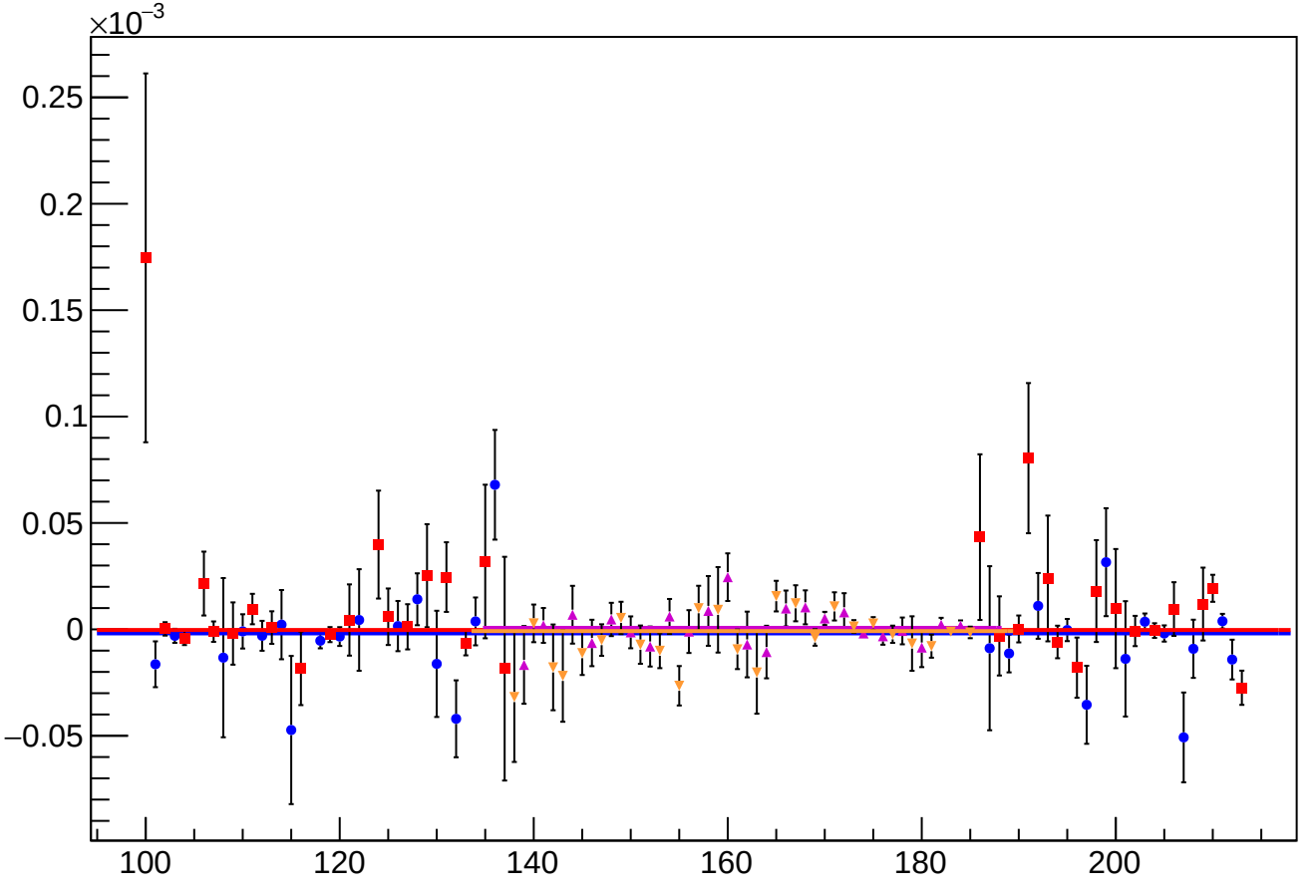
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 63.803+/-0.009 χ^2/NDF: 11633480.7/62

In: 62.311+/-0.009 χ^2/NDF:14685218.3/51

Out: 59.416+/-0.008 χ^2/NDF:19701633.9/58

All: 60.818+/-0.006 χ^2/NDF: 34443485.7/110



Right In: -0.000+/-0.000 χ^2/NDF: 39.0/28

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

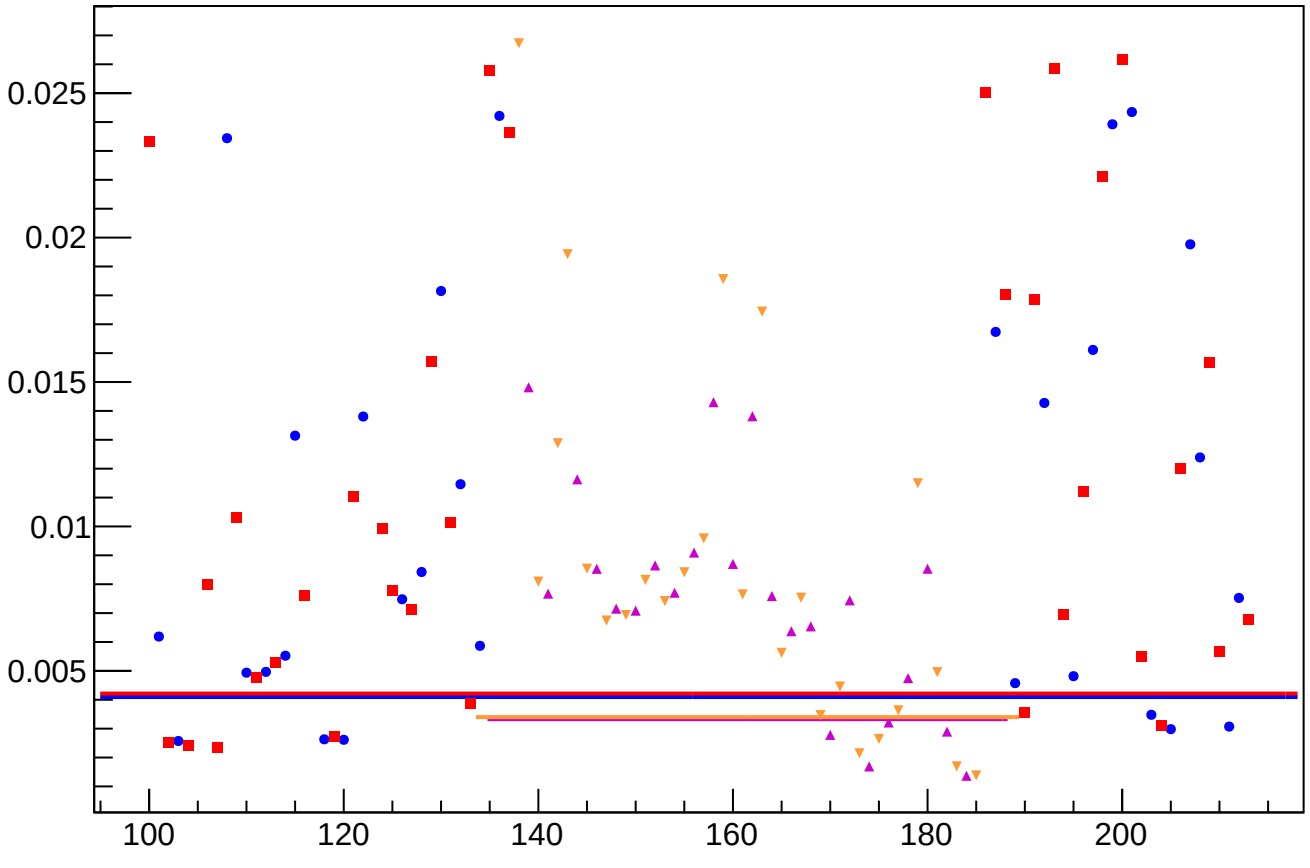
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 91.0/62

In: -0.000+/-0.000 χ^2/NDF:60.2/51

Out: -0.000+/-0.000 χ^2/NDF:84.1/58

All: -0.000+/-0.000 χ^2/NDF: 144.4/110



Right In: 0.004+/-0.000 χ^2/NDF: 11609298.1/28

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

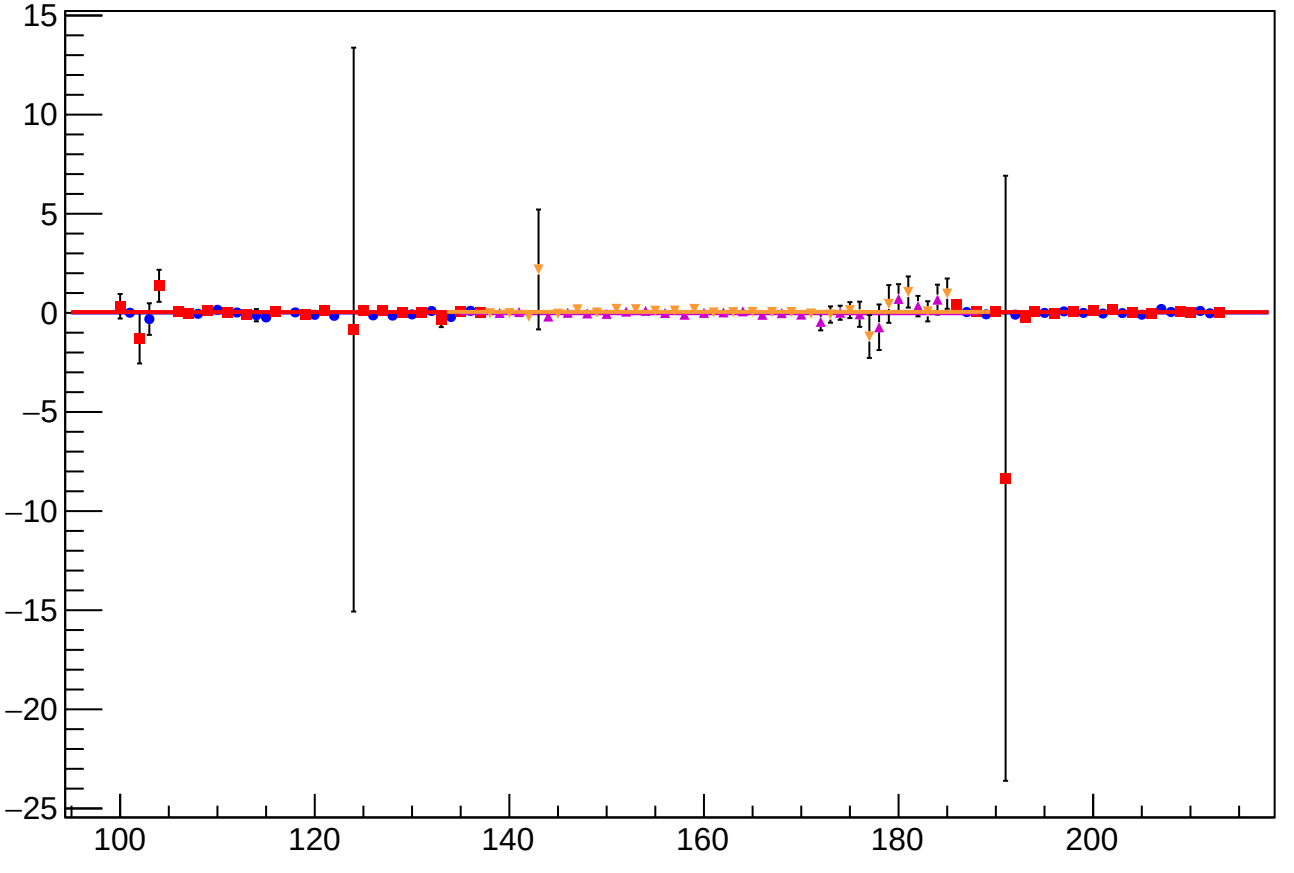
Right: 0.004+/-0.000 χ^2/NDF: 24969765.1/62

In: 0.004+/-0.000 χ^2/NDF:24600921.5/51

Out: 0.004+/-0.000 χ^2/NDF:28106123.6/58

All: 0.004+/-0.000 χ^2/NDF: 52720081.8/110

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.018 χ^2/NDF: 30.4/28

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

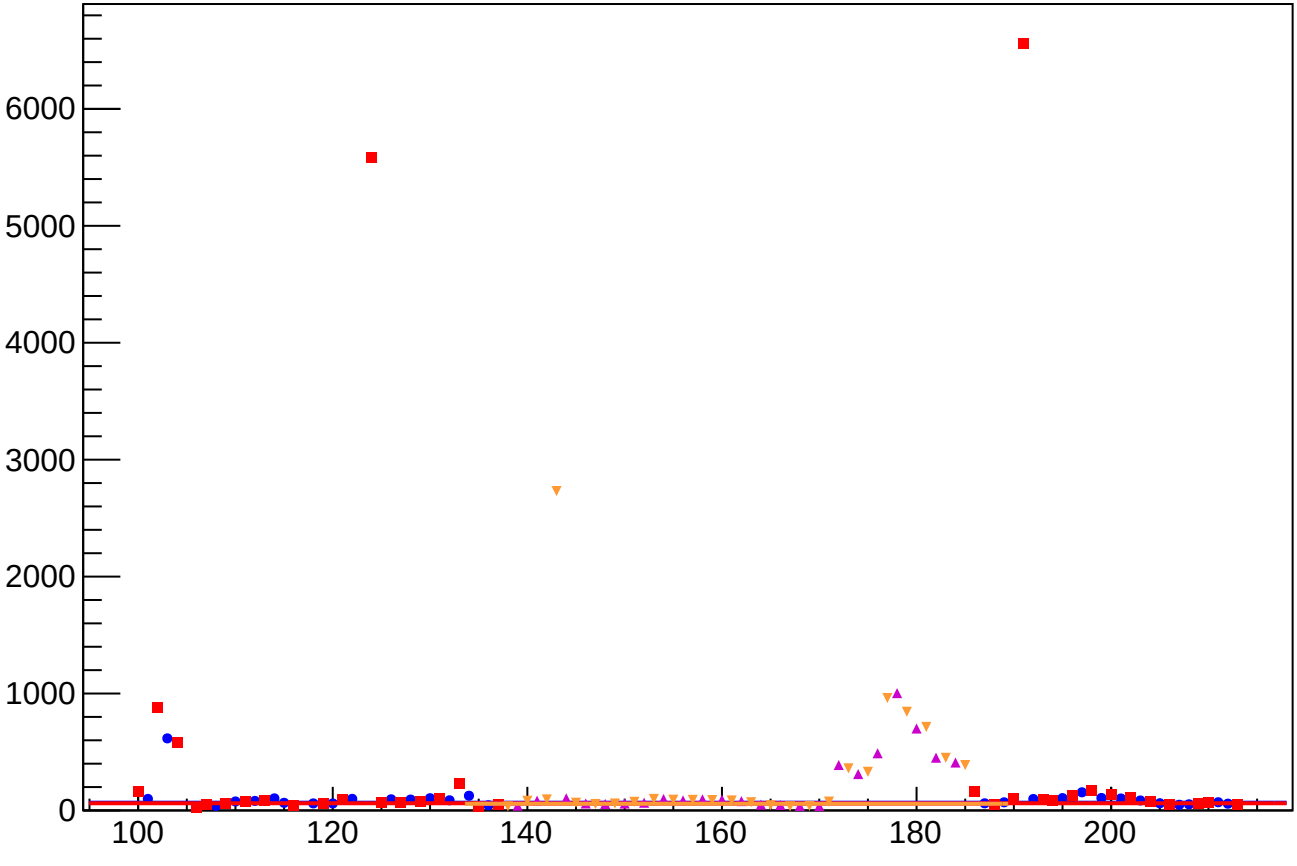
Right: 0.028+/-0.012 χ^2/NDF: 56.7/62

In: -0.001+/-0.012 χ^2/NDF:48.2/51

Out: 0.043+/-0.012 χ^2/NDF:50.5/58

All: 0.022+/-0.009 χ^2/NDF: 105.2/110

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.360+/-0.013 χ^2/NDF: 4238816.7/28

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

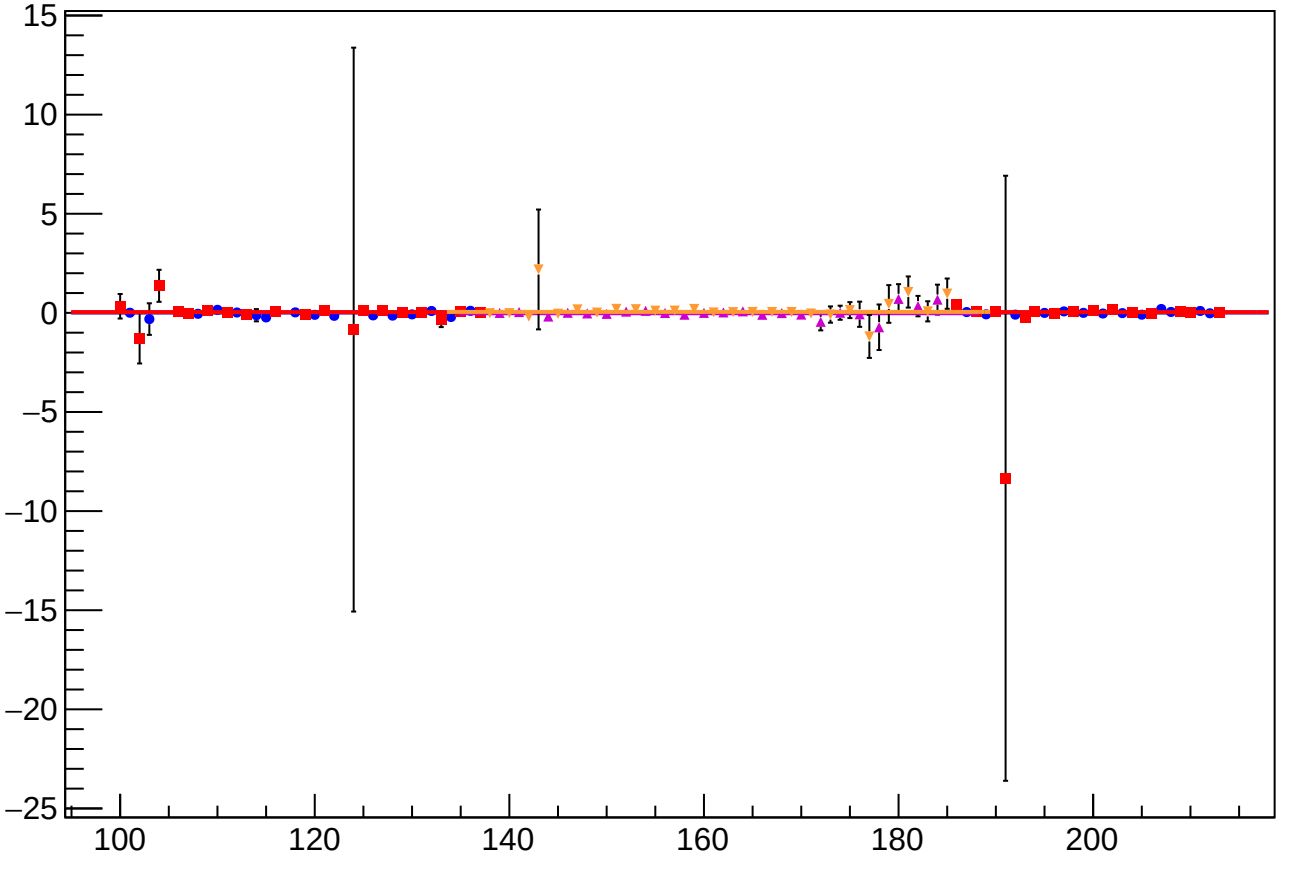
Right: 63.803+/-0.009 χ^2/NDF: 11633620.0/62

In: 62.314+/-0.009 χ^2/NDF:14683793.6/51

Out: 59.414+/-0.008 χ^2/NDF:19702237.2/58

All: 60.818+/-0.006 χ^2/NDF: 34442847.2/110

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.018 χ^2/NDF: 30.4/28

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

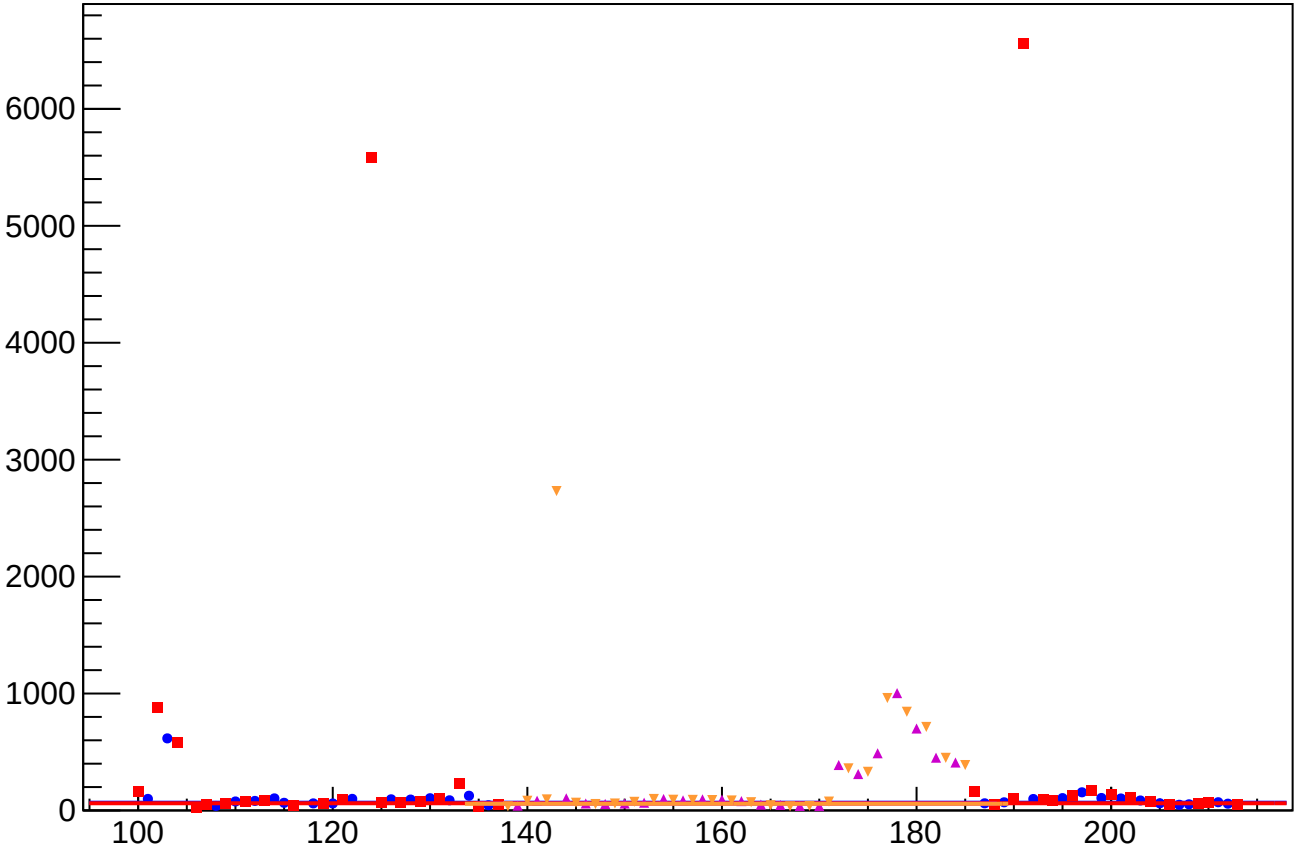
Right: 0.028+/-0.012 χ^2/NDF: 56.7/62

In: -0.001+/-0.012 χ^2/NDF:48.2/51

Out: 0.043+/-0.012 χ^2/NDF:50.5/58

All: 0.022+/-0.009 χ^2/NDF: 105.2/110

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.360+/-0.013 χ^2/NDF: 4238816.7/28

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

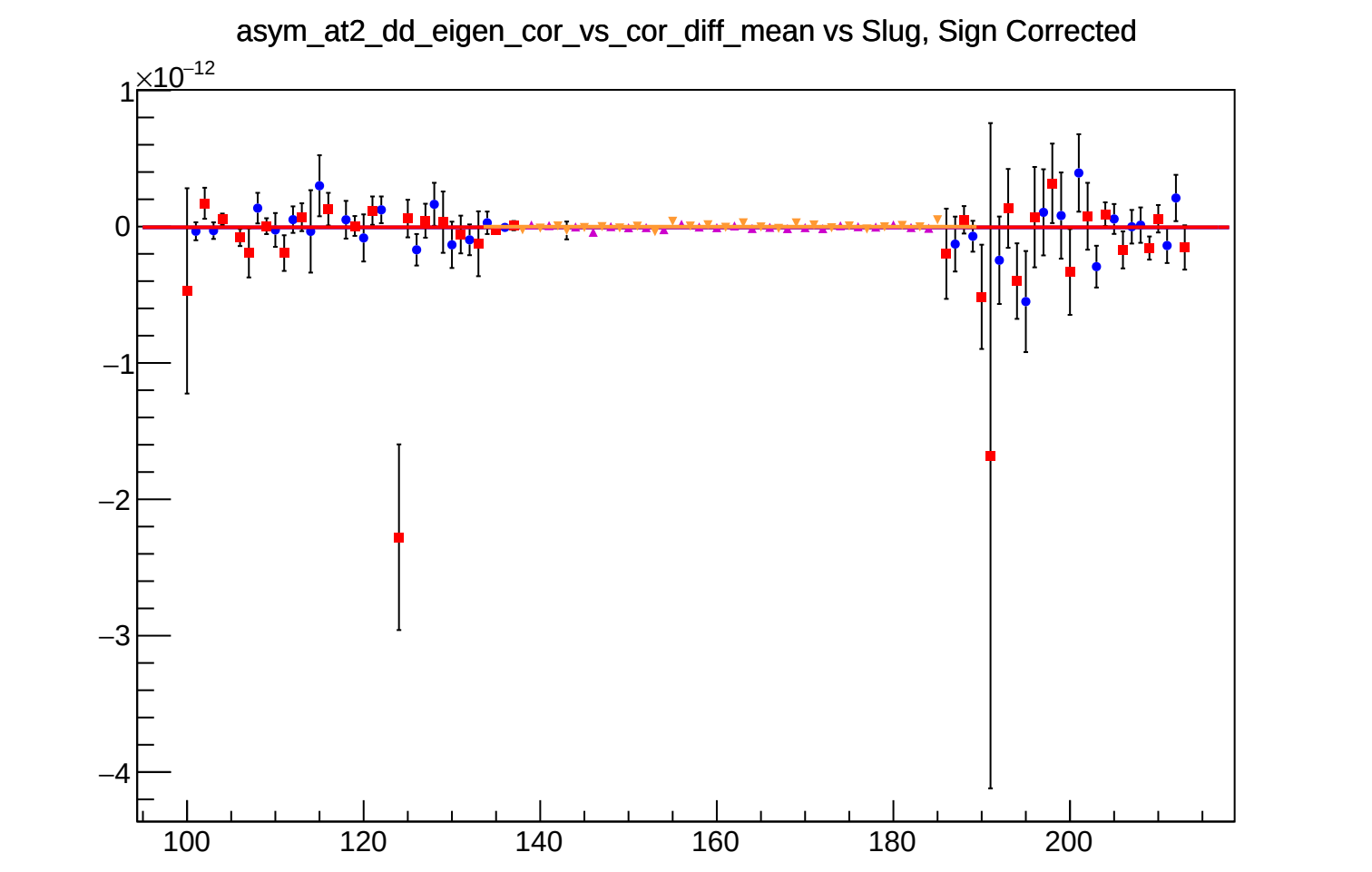
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 63.803+/-0.009 χ^2/NDF: 11633620.0/62

In: 62.314+/-0.009 χ^2/NDF:14683793.6/51

Out: 59.414+/-0.008 χ^2/NDF:19702237.2/58

All: 60.818+/-0.006 χ^2/NDF: 34442847.2/110



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/28

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.0/33

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

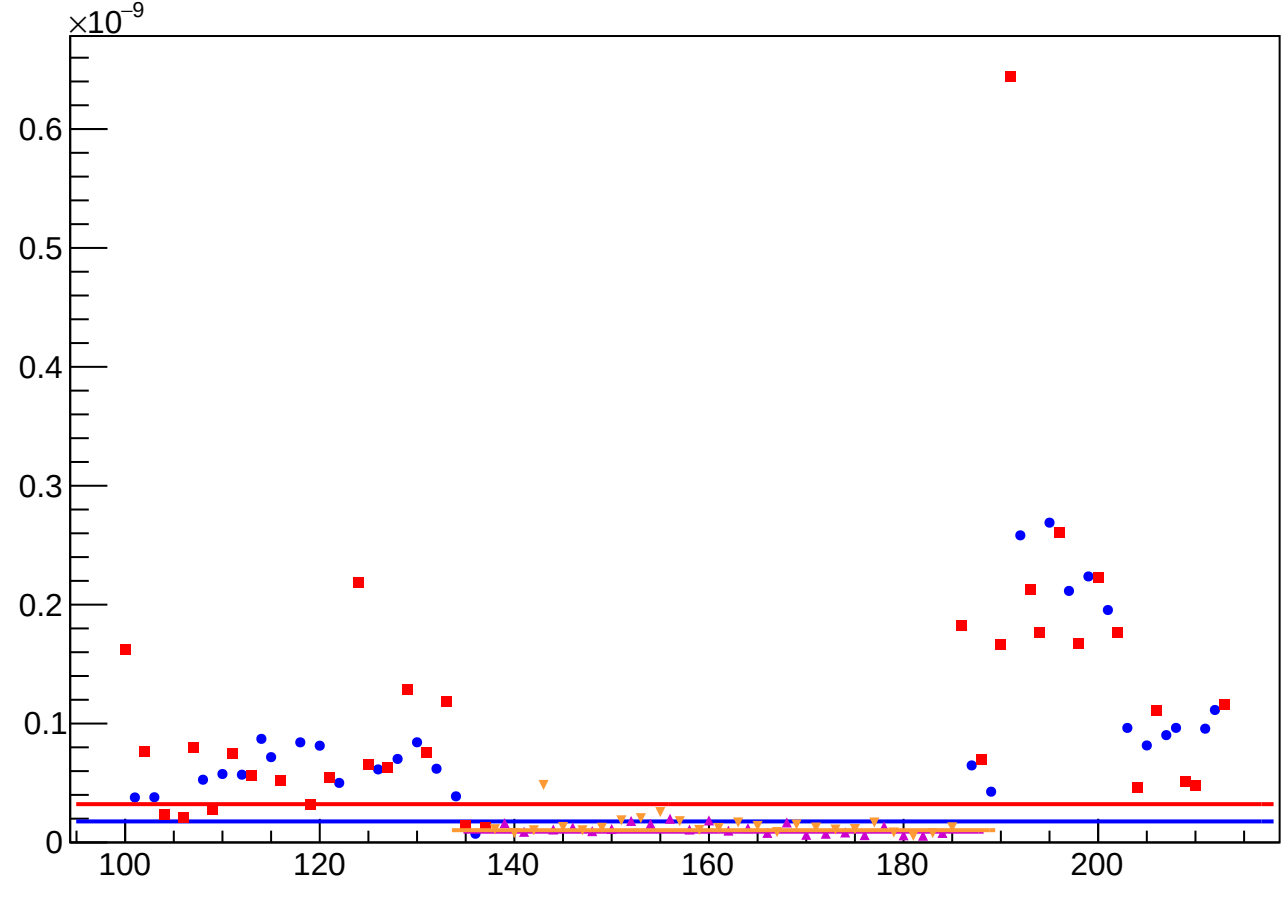
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 62.9/62

In: -0.000+/-0.000 χ^2/NDF:38.5/51

Out: -0.000+/-0.000 χ^2/NDF:58.8/58

All: -0.000+/-0.000 χ^2/NDF: 97.7/110



Right In: 0.000+/-0.000 χ^2/NDF: 13951094.3/28

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

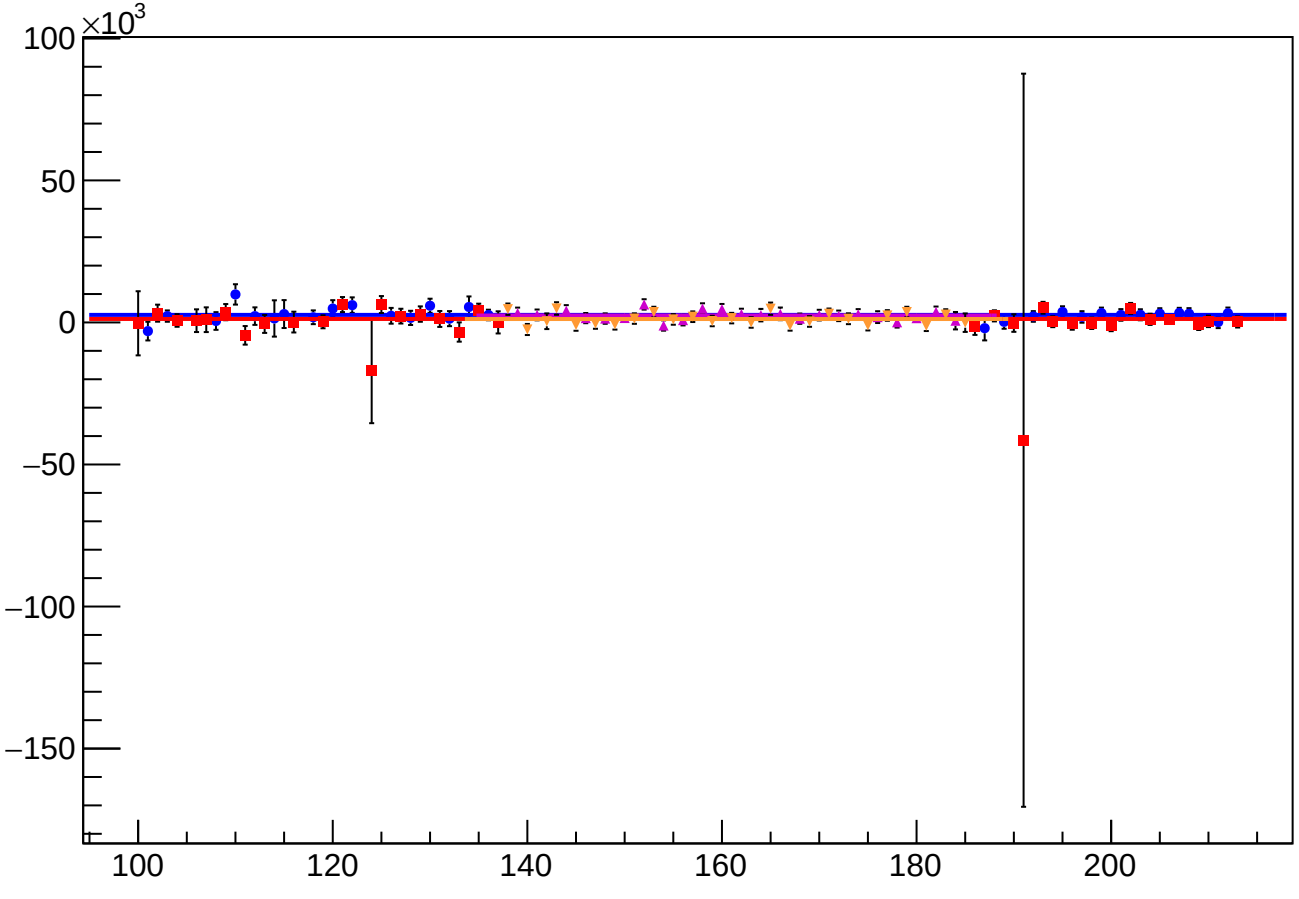
Right: 0.000+/-0.000 χ^2/NDF: 25823007.9/62

In: 0.000+/-0.000 χ^2/NDF:18380774.2/51

Out: 0.000+/-0.000 χ^2/NDF:18741868.5/58

All: 0.000+/-0.000 χ^2/NDF: 37441270.1/110

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2658.308+/-440.139 χ^2/NDF: 17.1/28

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

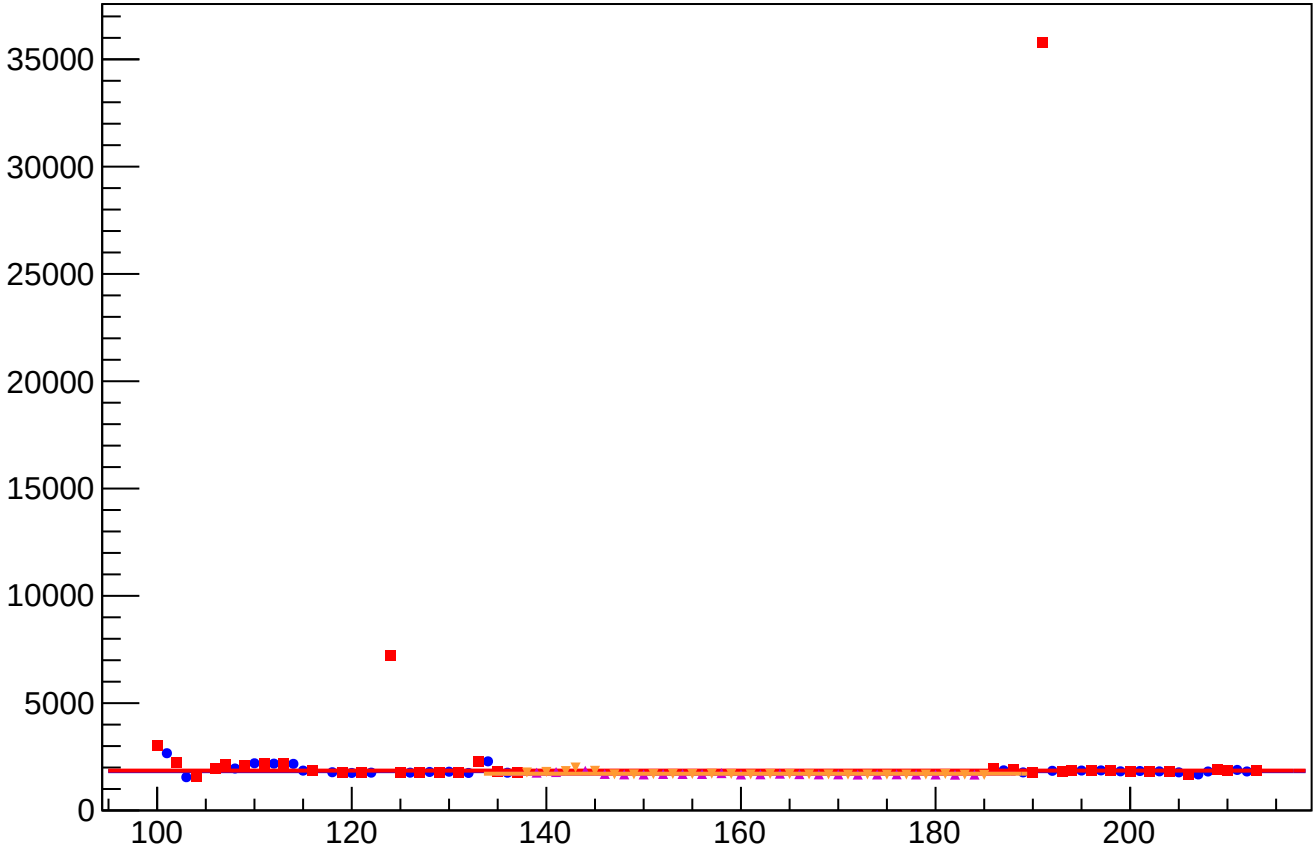
Right: 1928.956+/-308.401 χ^2/NDF: 51.7/62

In: 2537.651+/-295.192 χ^2/NDF:34.8/51

Out: 1212.738+/-289.208 χ^2/NDF:55.5/58

All: 1861.629+/-206.584 χ^2/NDF: 100.5/110

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1831.118+/-0.311 χ^2/NDF: 285994.8/28

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

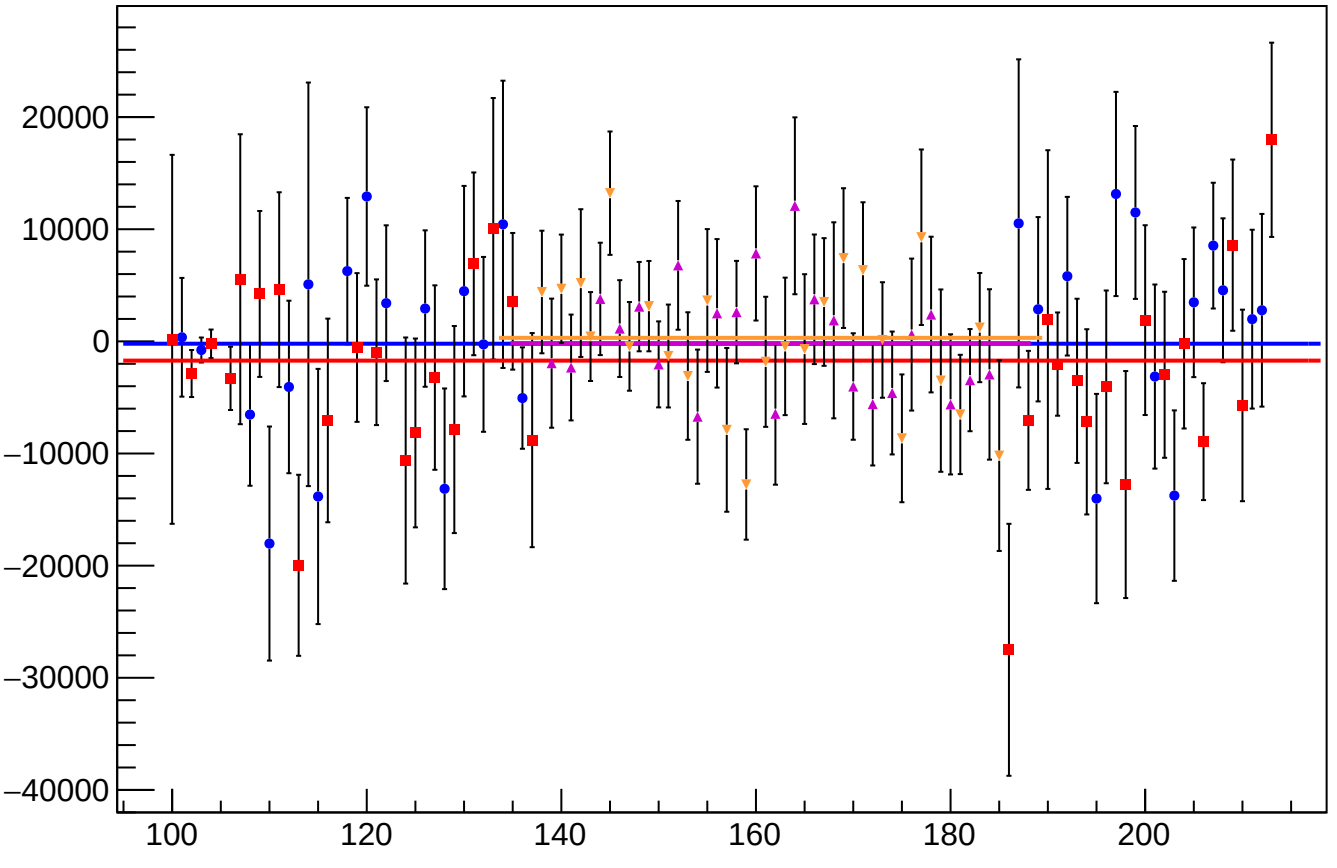
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1844.022+/-0.218 χ^2/NDF: 832615.3/62

In: 1761.162+/-0.209 χ^2/NDF:400394.4/51

Out: 1776.600+/-0.204 χ^2/NDF:727176.6/58

All: 1769.042+/-0.146 χ^2/NDF: 1130363.3/11



Right In: -209.104+/-877.628 χ^2/NDF: 29.1/28

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

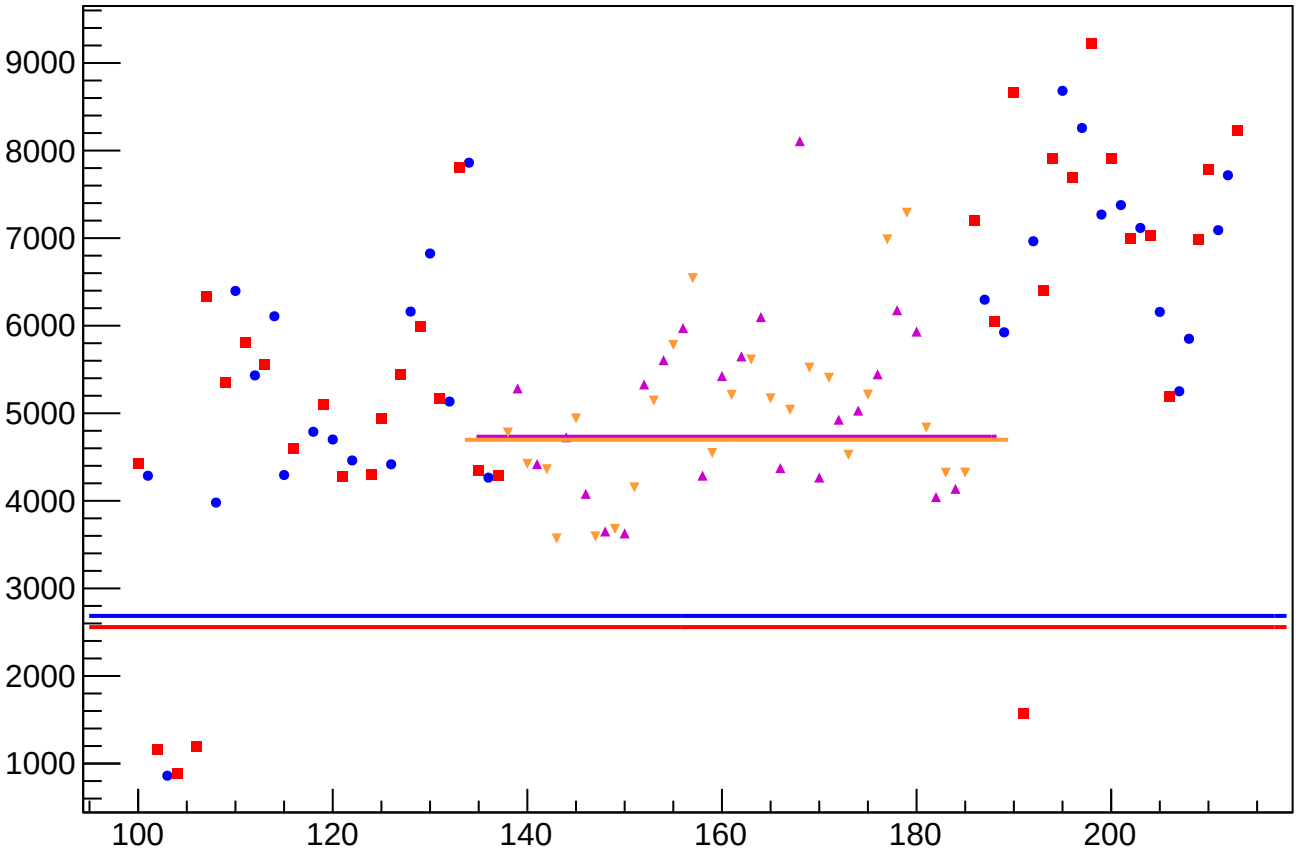
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1008.156+/-601.577 χ^2/NDF: 62.1/62

In: -189.831+/-692.772 χ^2/NDF:43.8/51

Out: -977.147+/-658.871 χ^2/NDF:60.6/58

All: -603.224+/-477.427 χ^2/NDF: 105.1/110



Right In: 2685.825+/-0.621 χ^2/NDF: 15820092.8/28

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

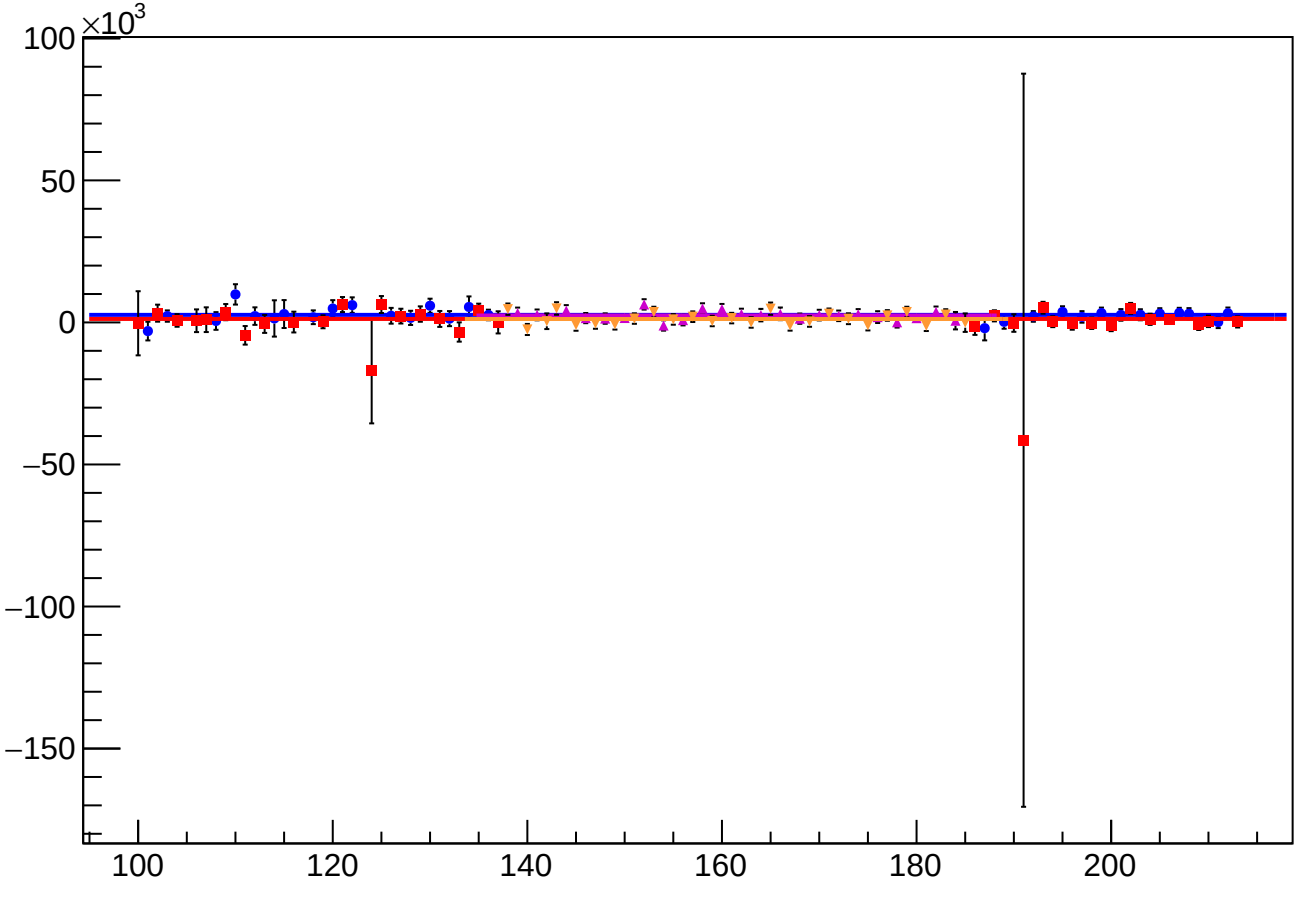
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2618.159+/-0.425 χ^2/NDF: 33150398.6/62

In: 3457.180+/-0.490 χ^2/NDF:21162062.0/51

Out: 3337.074+/-0.466 χ^2/NDF:23429464.9/58

All: 3394.116+/-0.338 χ^2/NDF: 44623091.2/



Right In: 2658.467+/-440.139 χ^2/NDF: 17.1/28

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

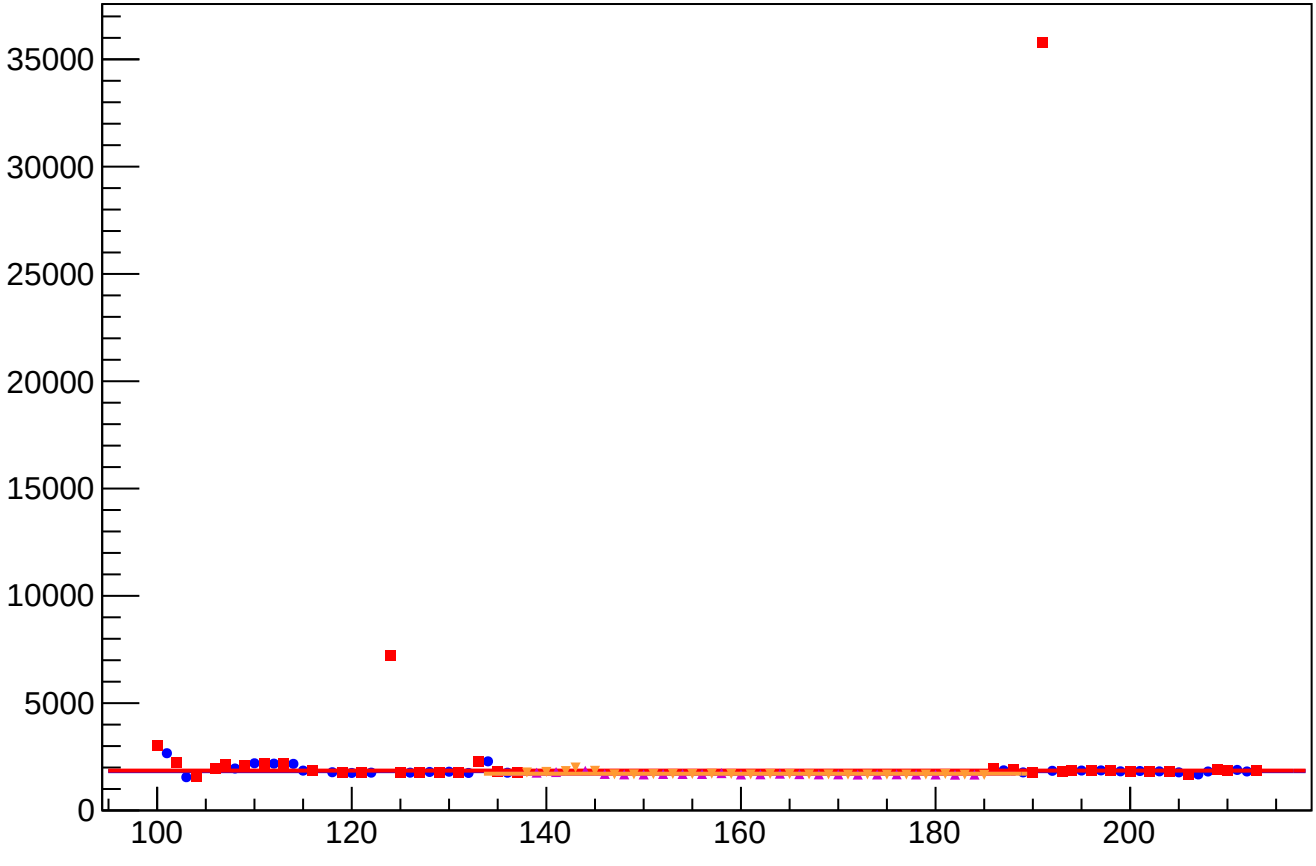
Right: 1928.810+/-308.401 χ^2/NDF: 51.7/62

In: 2537.685+/-295.192 χ^2/NDF:34.8/51

Out: 1212.487+/-289.208 χ^2/NDF:55.5/58

All: 1861.518+/-206.584 χ^2/NDF: 100.6/110

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1831.118+/-0.311 χ^2/NDF: 285994.7/28

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

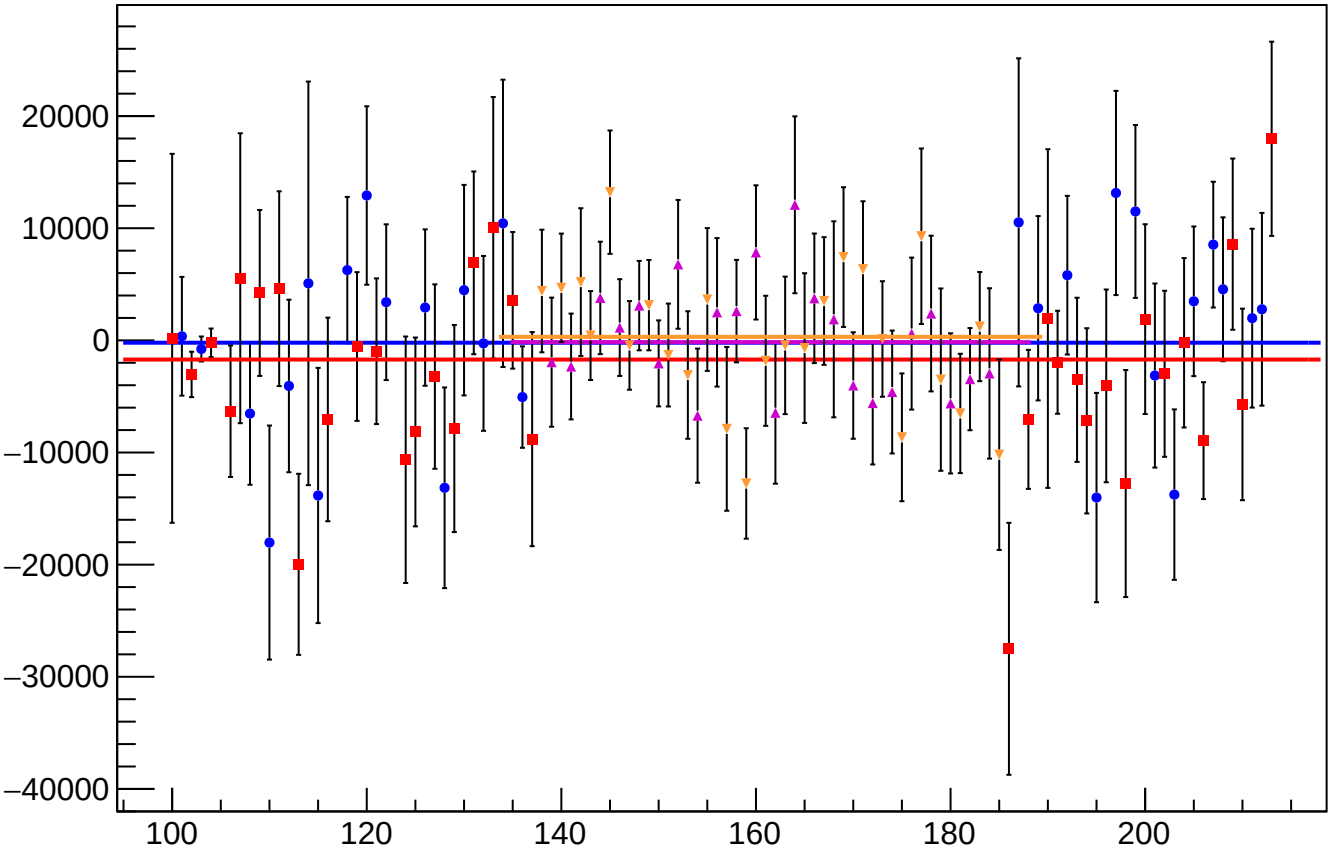
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1844.106+/-0.218 χ^2/NDF: 833028.1/62

In: 1761.162+/-0.209 χ^2/NDF:400394.3/51

Out: 1776.668+/-0.204 χ^2/NDF:727818.1/58

All: 1769.077+/-0.146 χ^2/NDF: 1131029.2/11



Right In: -208.738+/-877.587 χ^2/NDF: 29.1/28

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

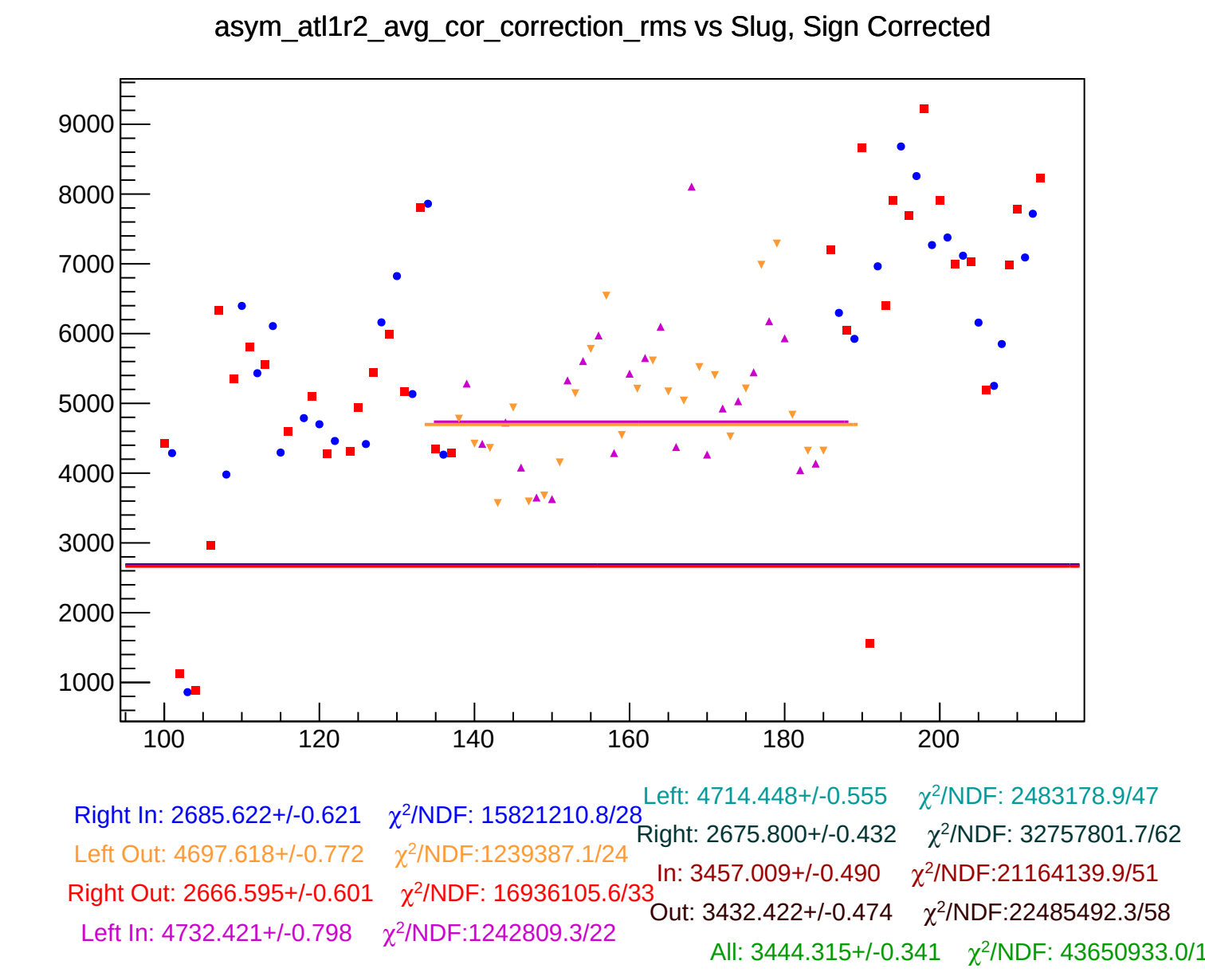
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

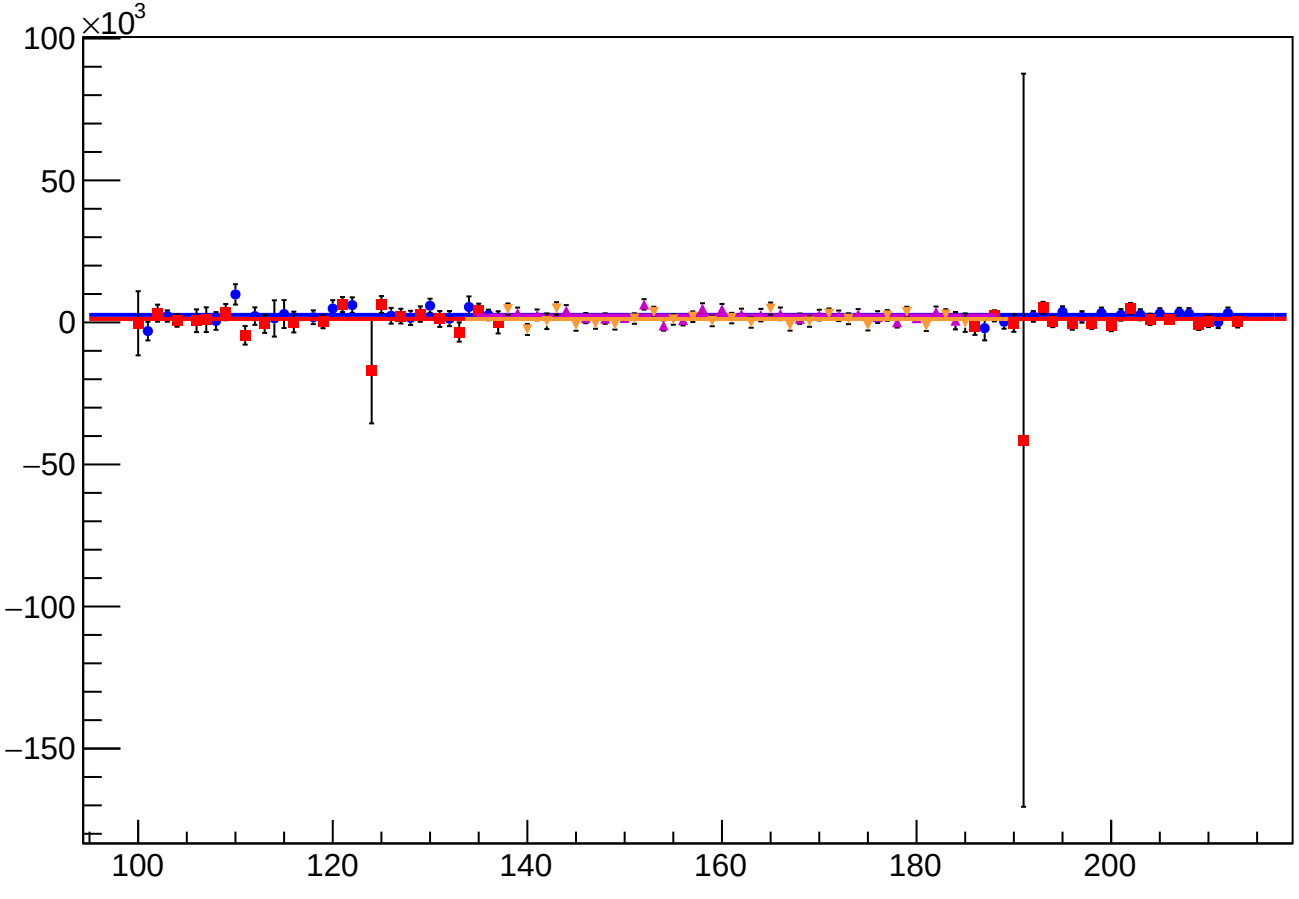
Right: -983.712+/-610.401 χ^2/NDF: 62.5/62

In: -189.607+/-692.752 χ^2/NDF:43.8/51

Out: -946.786+/-670.534 χ^2/NDF:61.0/58

All: -580.534+/-481.802 χ^2/NDF: 105.4/110


asym_atl1r2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2685.622+/-0.621 χ²/NDF: 15821210.8/28
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2666.595+/-0.601 χ²/NDF: 16936105.6/33
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2675.800+/-0.432 χ²/NDF: 32757801.7/62
In: 3457.009+/-0.490 χ²/NDF:21164139.9/51
Out: 3432.422+/-0.474 χ²/NDF:22485492.3/58
All: 3444.315+/-0.341 χ²/NDF: 43650933.0/1



Right In: 2658.467+/-440.139 χ^2/NDF: 17.1/28

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

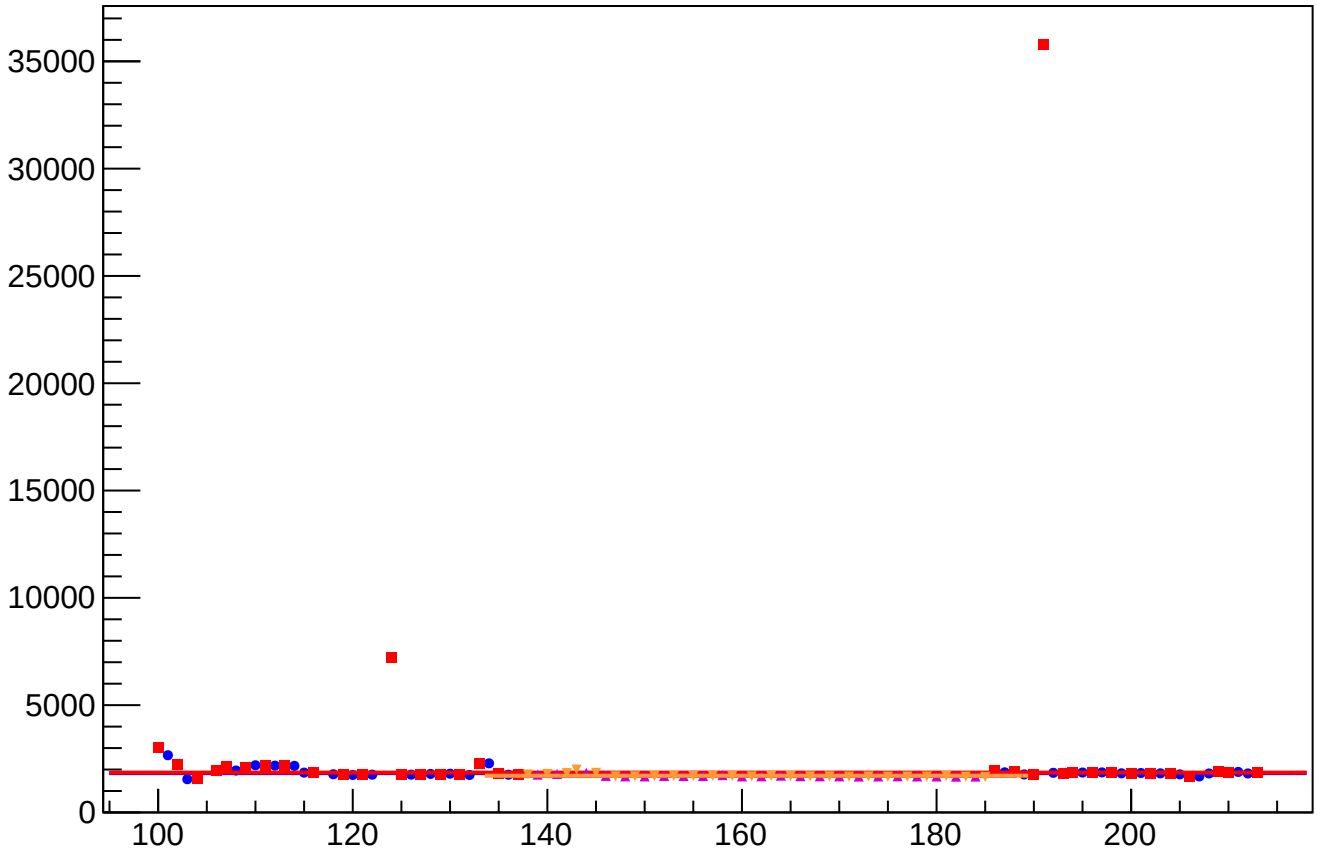
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 1928.810+/-308.401 χ^2/NDF: 51.7/62

In: 2537.685+/-295.192 χ^2/NDF:34.8/51

Out: 1212.487+/-289.208 χ^2/NDF:55.5/58

All: 1861.518+/-206.584 χ^2/NDF: 100.6/110



Right In: 1831.118+/-0.311 χ^2/NDF: 285994.7/28

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

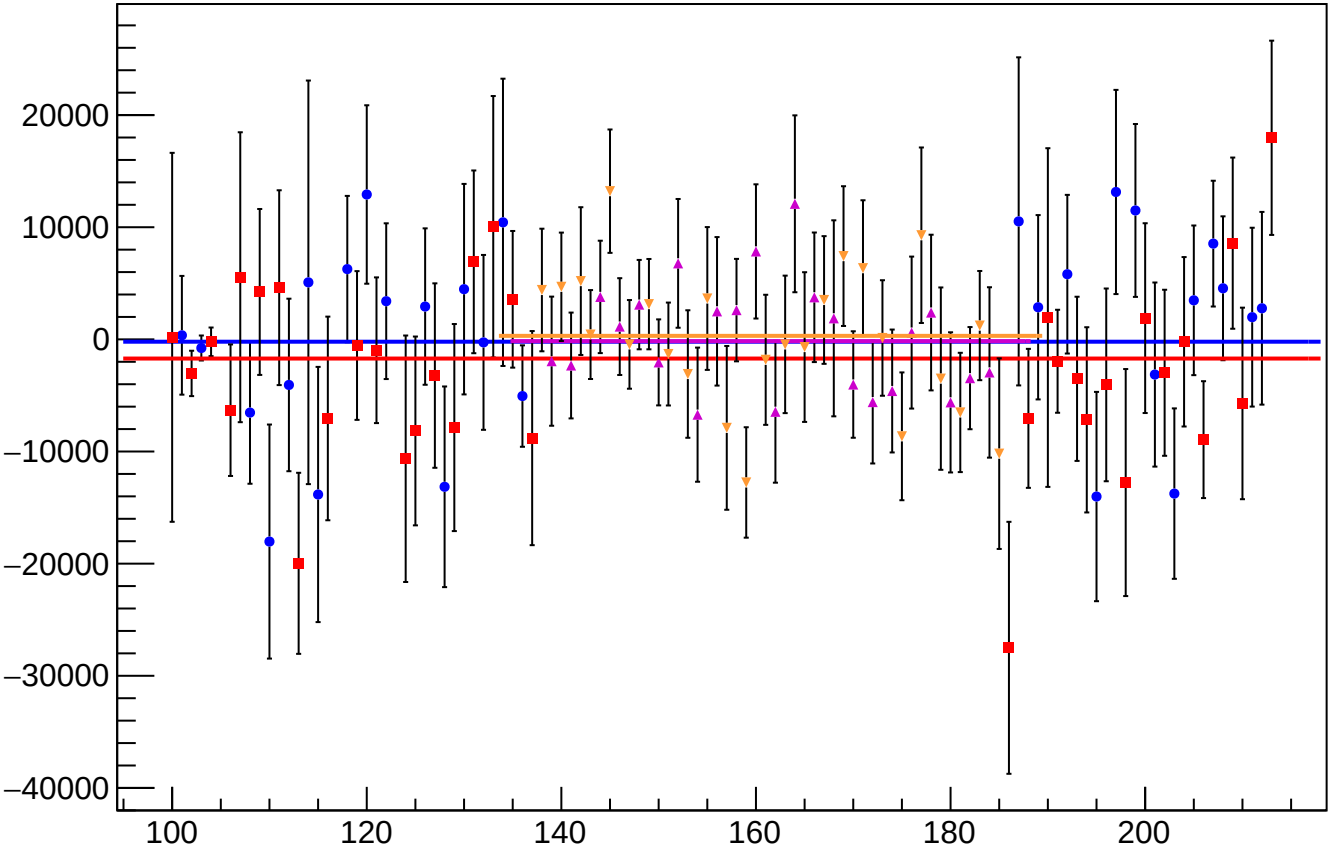
Right: 1844.106+/-0.218 χ^2/NDF: 833028.1/62

In: 1761.162+/-0.209 χ^2/NDF:400394.3/51

Out: 1776.668+/-0.204 χ^2/NDF:727818.1/58

All: 1769.077+/-0.146 χ^2/NDF: 1131029.2/11

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -208.738+/-877.587 χ^2/NDF: 29.1/28

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

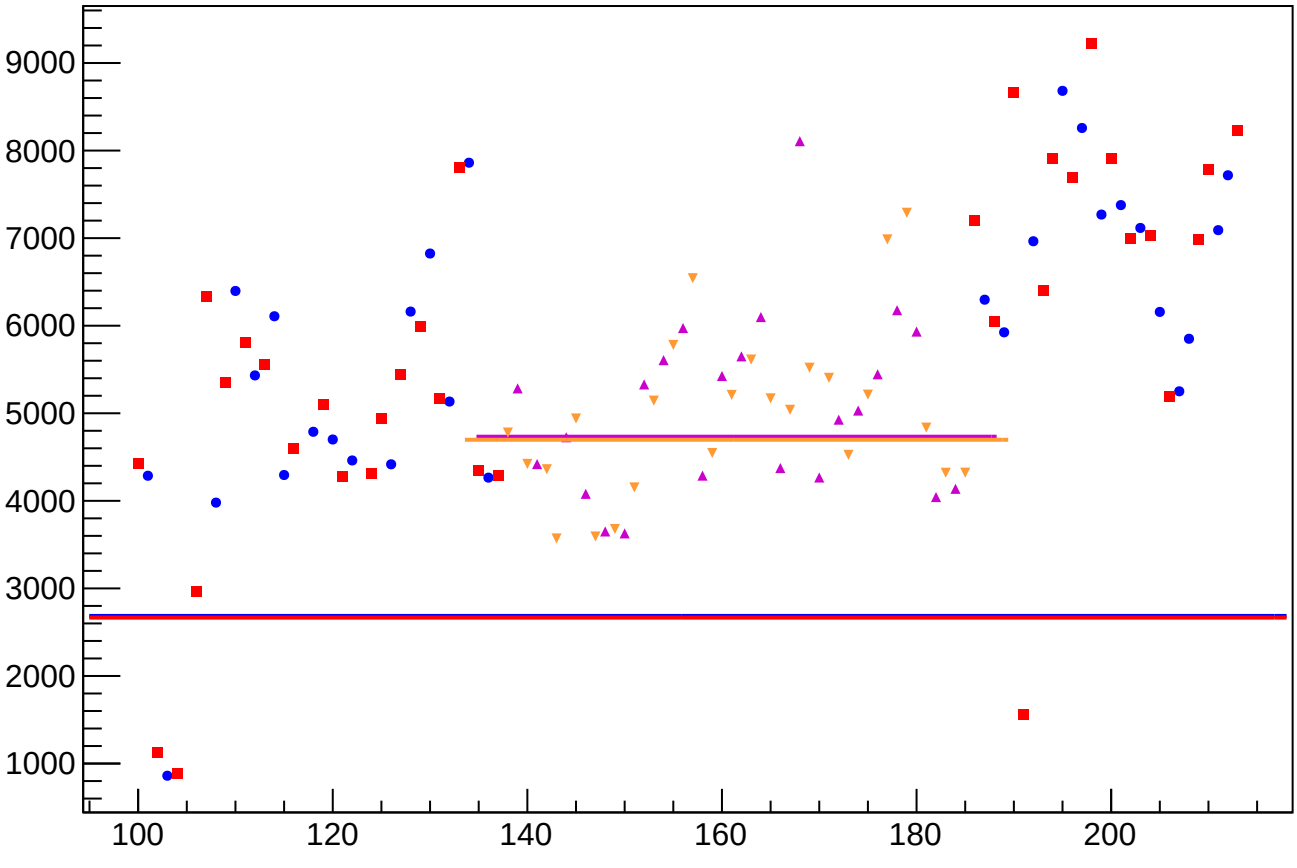
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -983.712+/-610.401 χ^2/NDF: 62.5/62

In: -189.607+/-692.752 χ^2/NDF:43.8/51

Out: -946.786+/-670.534 χ^2/NDF:61.0/58

All: -580.534+/-481.802 χ^2/NDF: 105.4/110



Right In: 2685.622+/-0.621 χ^2/NDF: 15821210.8/28

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

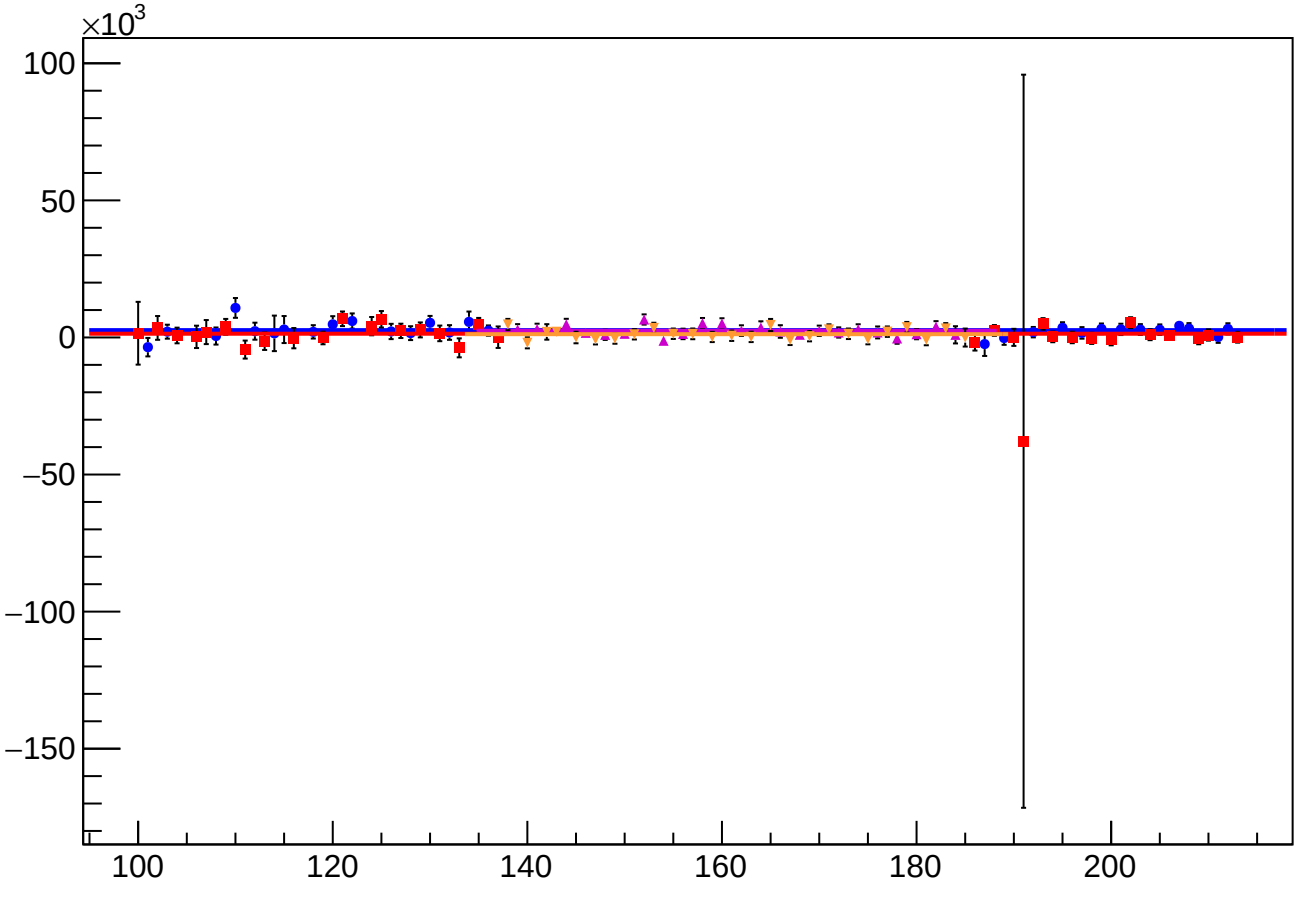
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2675.800+/-0.432 χ^2/NDF: 32757801.7/62

In: 3457.009+/-0.490 χ^2/NDF:21164139.9/51

Out: 3432.422+/-0.474 χ^2/NDF:22485492.3/58

All: 3444.315+/-0.341 χ^2/NDF: 43650933.0/1



Right In: 2676.762+/-449.463 χ^2/NDF: 18.8/28

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

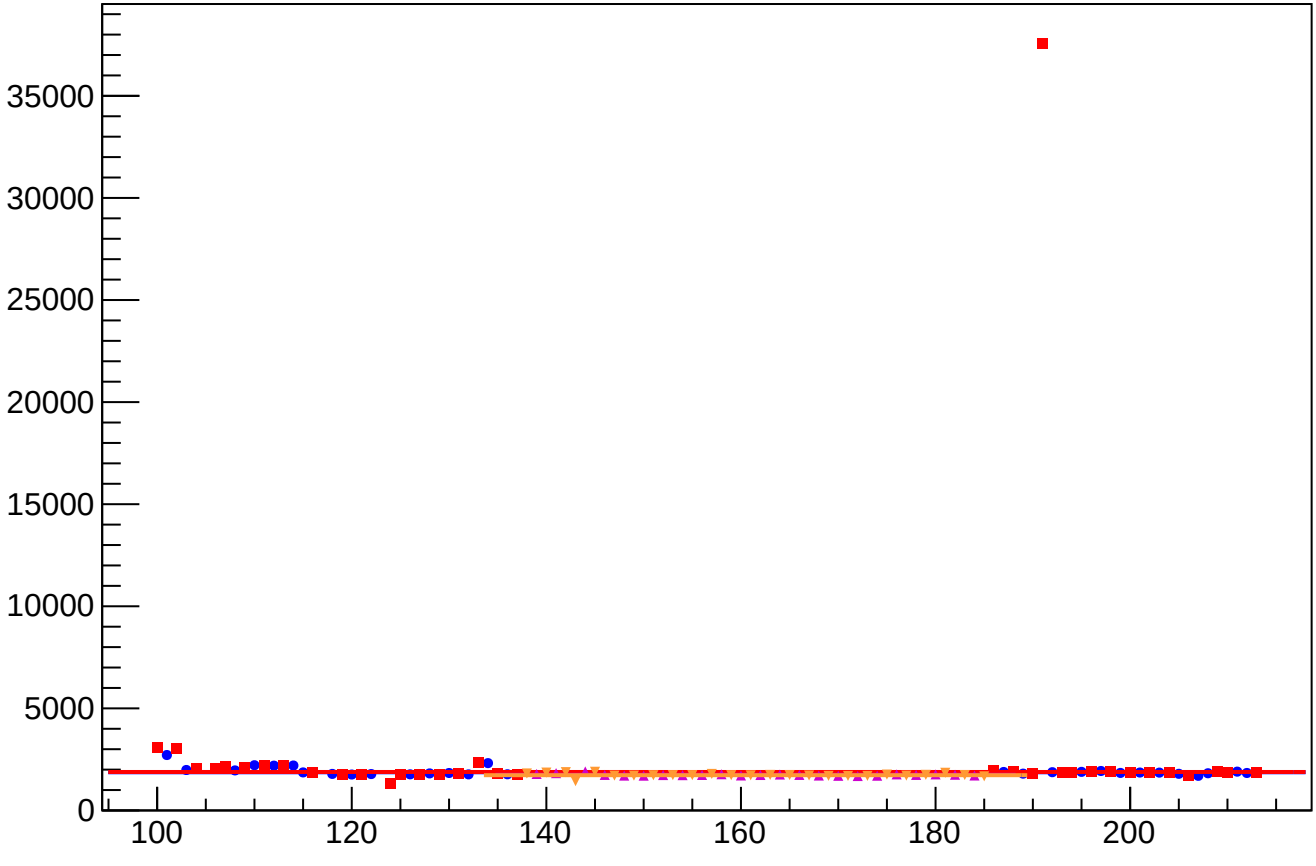
Right: 2003.009+/-314.212 χ^2/NDF: 54.0/62

In: 2545.766+/-301.915 χ^2/NDF:39.5/51

Out: 1269.184+/-292.931 χ^2/NDF:50.3/58

All: 1888.199+/-210.238 χ^2/NDF: 99.1/110

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1870.217+/-0.318 χ^2/NDF: 252616.0/28

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

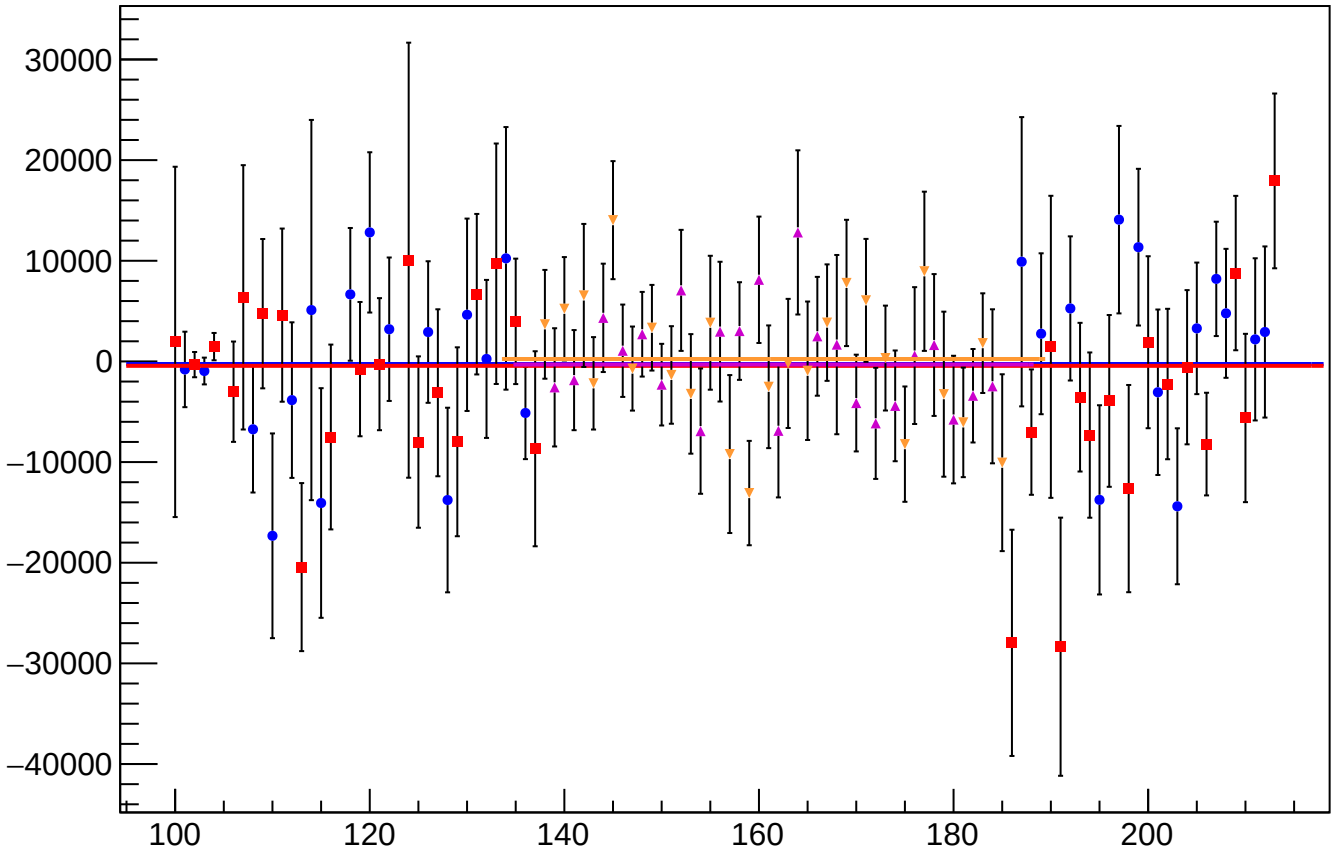
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1877.431+/-0.222 χ^2/NDF: 774631.1/62

In: 1801.298+/-0.213 χ^2/NDF:365100.8/51

Out: 1797.064+/-0.207 χ^2/NDF:773335.3/58

All: 1799.116+/-0.149 χ^2/NDF: 1138638.8/11



Right In: -258.839+/-958.562 χ^2/NDF: 29.1/28

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

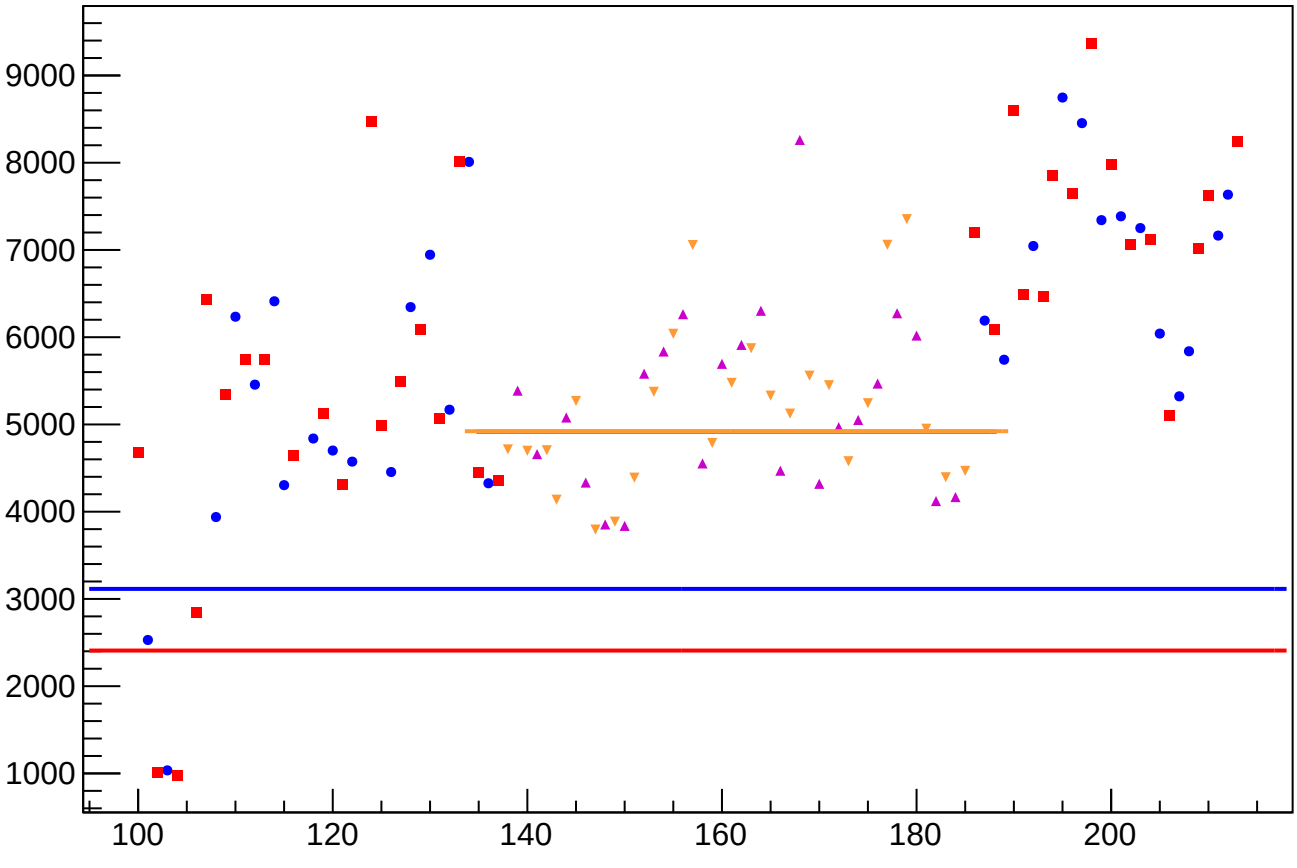
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -366.830+/-602.744 χ^2/NDF: 66.4/62

In: -277.803+/-741.745 χ^2/NDF:43.6/51

Out: -223.148+/-641.186 χ^2/NDF:64.3/58

All: -246.523+/-485.074 χ^2/NDF: 107.8/110



Right In: 3115.107+/-0.678 χ^2/NDF: 13046349.0/28

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

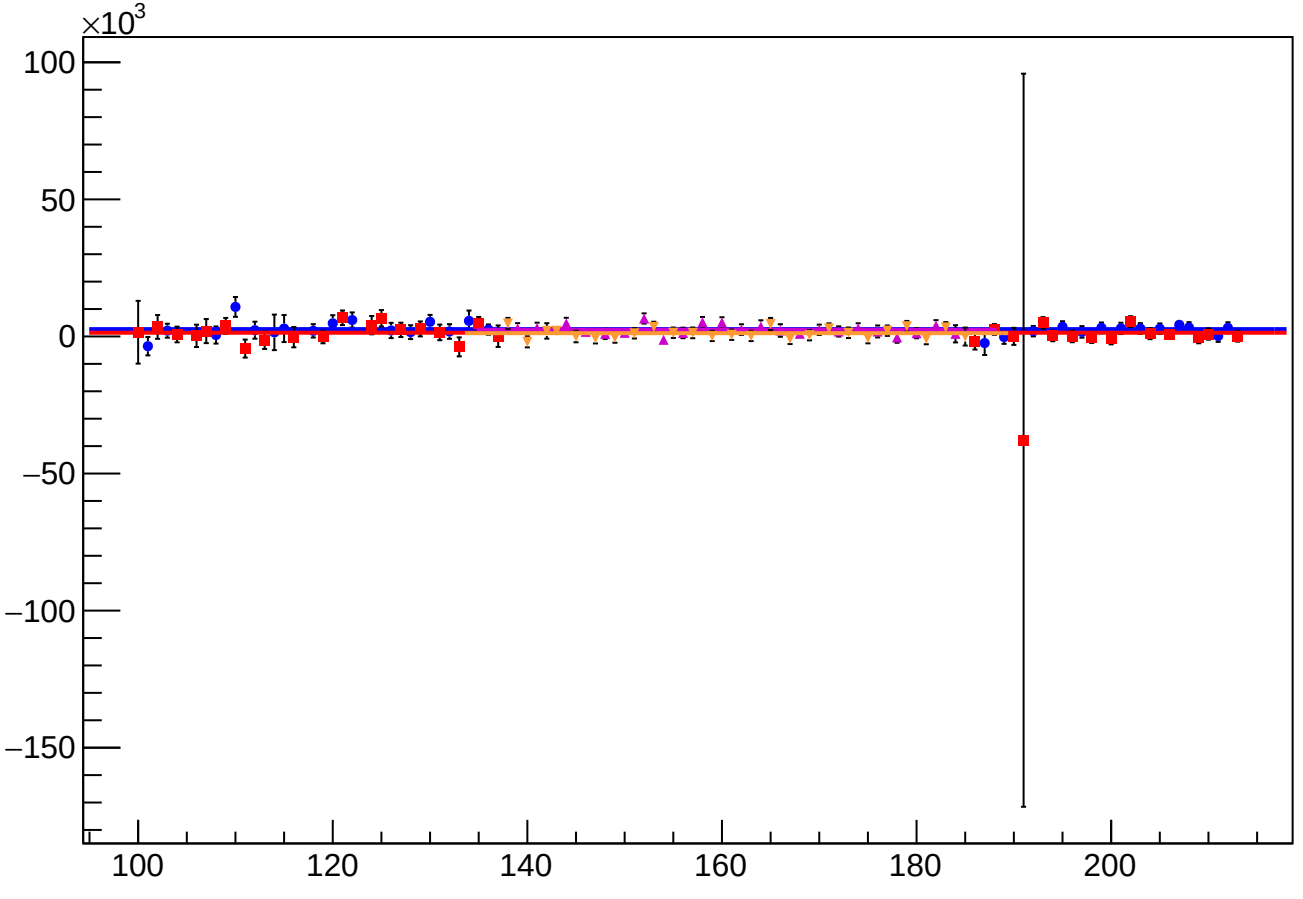
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2687.850+/-0.426 χ^2/NDF: 32197597.1/62

In: 3838.046+/-0.524 χ^2/NDF:17043369.8/51

Out: 3202.369+/-0.453 χ^2/NDF:26187621.9/58

All: 3474.228+/-0.343 χ^2/NDF: 44071694.2/



Right In: 2676.758+/-449.463 χ^2/NDF: 18.8/28

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

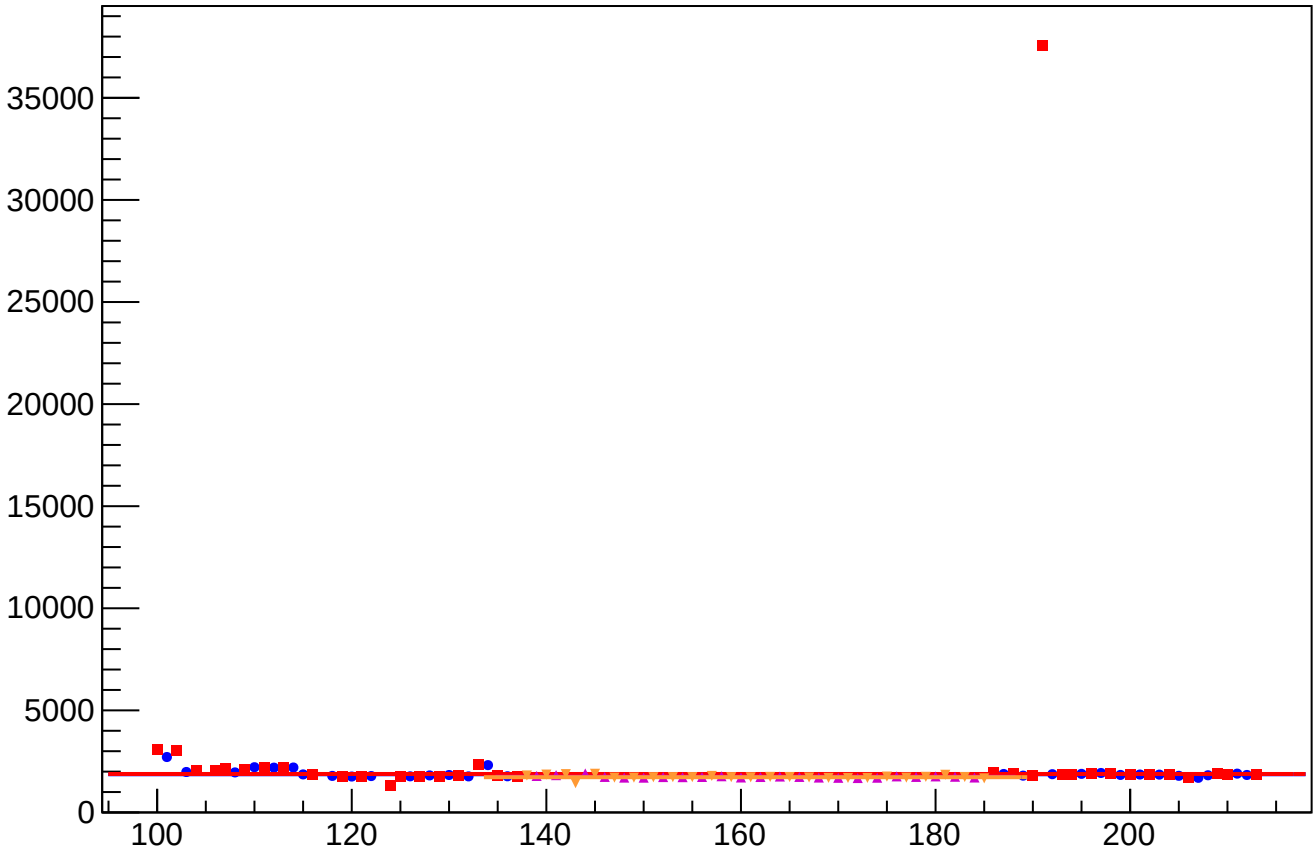
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2003.007+/-314.212 χ^2/NDF: 54.0/62

In: 2545.765+/-301.915 χ^2/NDF:39.5/51

Out: 1269.181+/-292.931 χ^2/NDF:50.3/58

All: 1888.197+/-210.238 χ^2/NDF: 99.1/110



Right In: 1870.216+/-0.318 χ^2/NDF: 252616.0/28

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

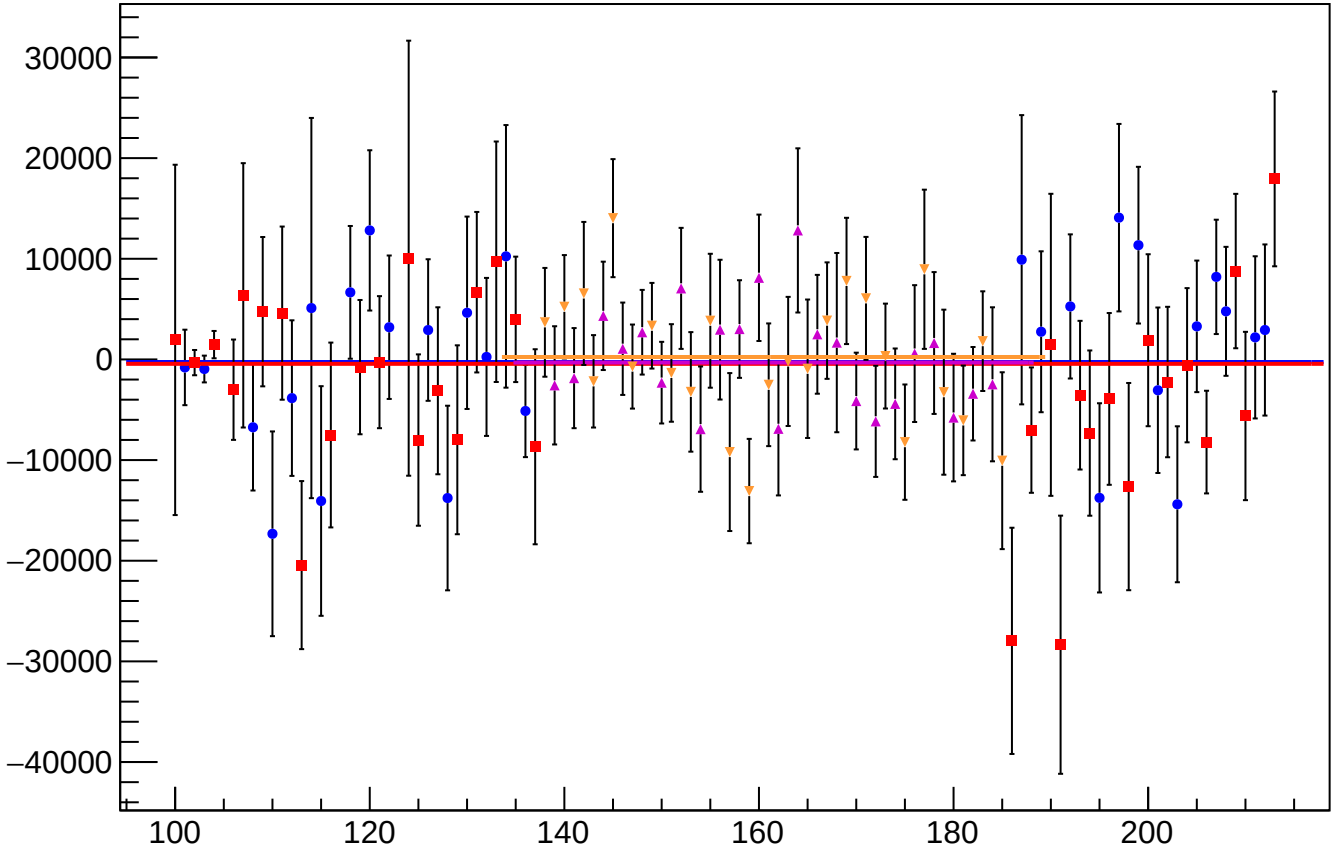
Right: 1877.431+/-0.222 χ^2/NDF: 774629.9/62

In: 1801.298+/-0.213 χ^2/NDF:365099.4/51

Out: 1797.064+/-0.207 χ^2/NDF:773331.3/58

All: 1799.117+/-0.149 χ^2/NDF: 1138633.3/11

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -258.839+/-958.562 χ^2/NDF: 29.1/28

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

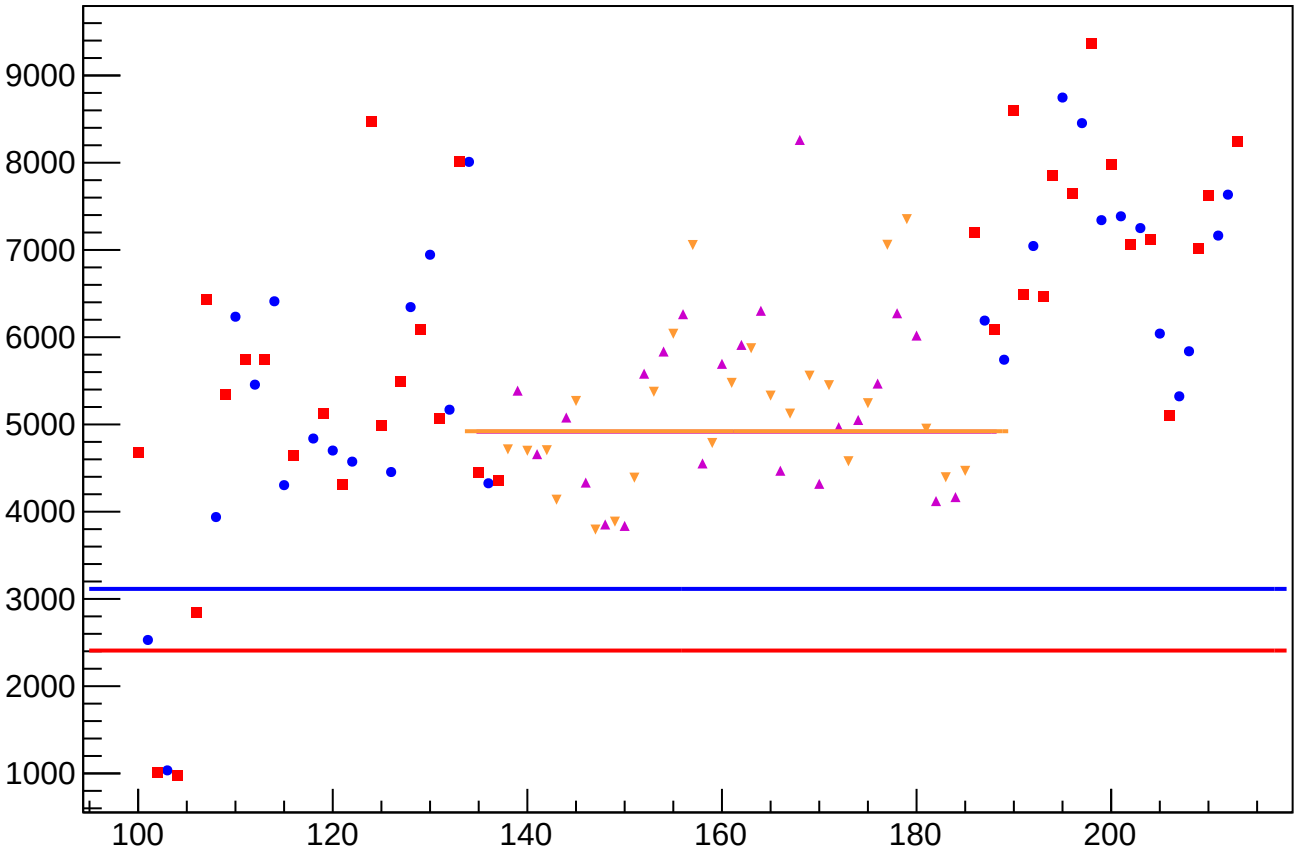
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -366.832+/-602.744 χ^2/NDF: 66.4/62

In: -277.804+/-741.745 χ^2/NDF:43.6/51

Out: -223.152+/-641.186 χ^2/NDF:64.3/58

All: -246.525+/-485.074 χ^2/NDF: 107.8/110



Right In: 3115.105+/-0.678 χ^2/NDF: 13046360.2/28

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2408.440+/-0.548 χ^2/NDF: 18494058.9/33

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

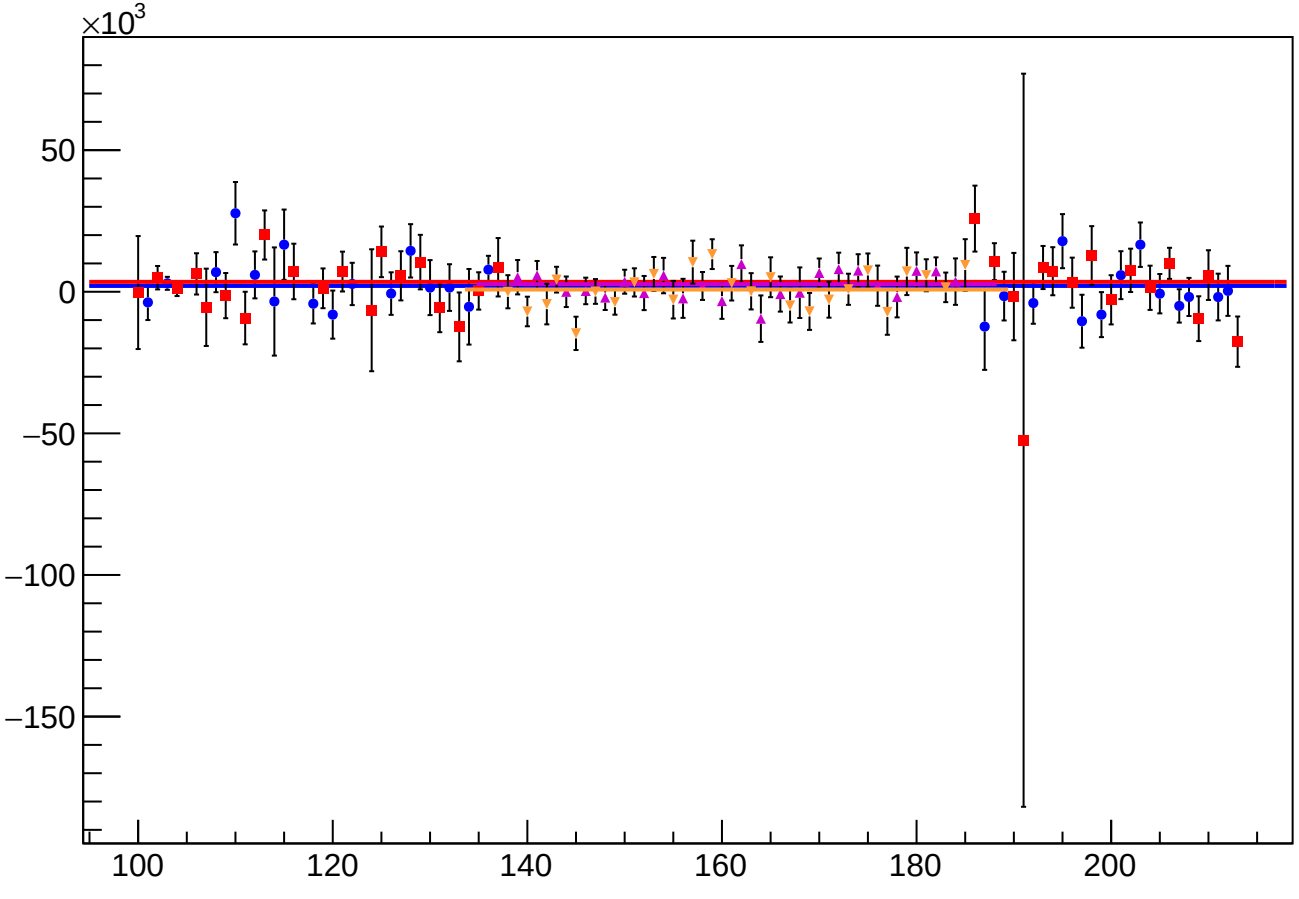
Right: 2687.848+/-0.426 χ^2/NDF: 32197612.0/62

In: 3838.046+/-0.524 χ^2/NDF:17043410.1/51

Out: 3202.368+/-0.453 χ^2/NDF:26187664.2/58

All: 3474.227+/-0.343 χ^2/NDF: 44071778.3/1

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2057.375+/-1263.801 χ^2/NDF: 28.1/28

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

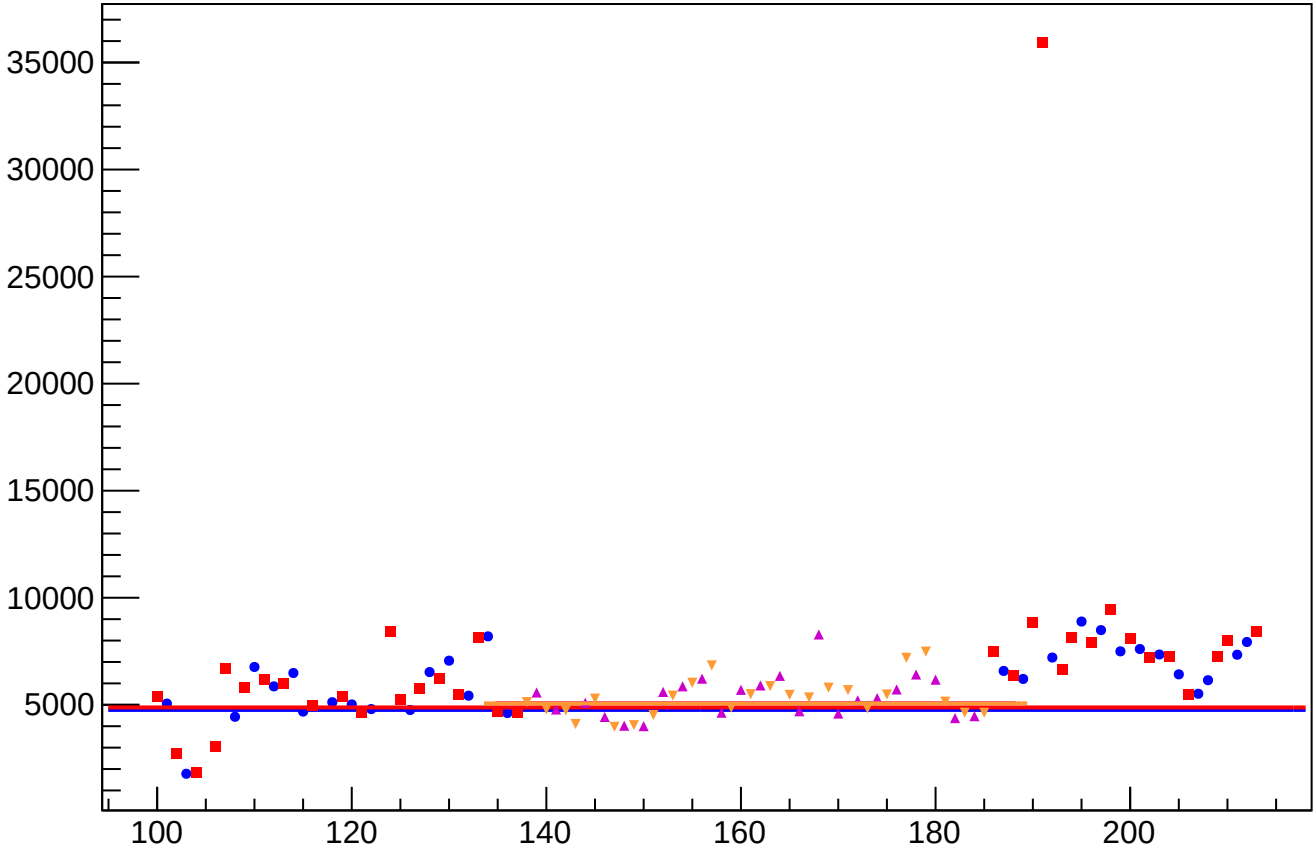
Right: 2775.939+/-893.988 χ^2/NDF: 59.7/62

In: 2396.539+/-872.596 χ^2/NDF:40.1/51

Out: 2038.806+/-859.645 χ^2/NDF:61.0/58

All: 2214.998+/-612.388 χ^2/NDF: 101.2/110

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4761.840+/-0.894 χ^2/NDF: 6215004.6/28

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

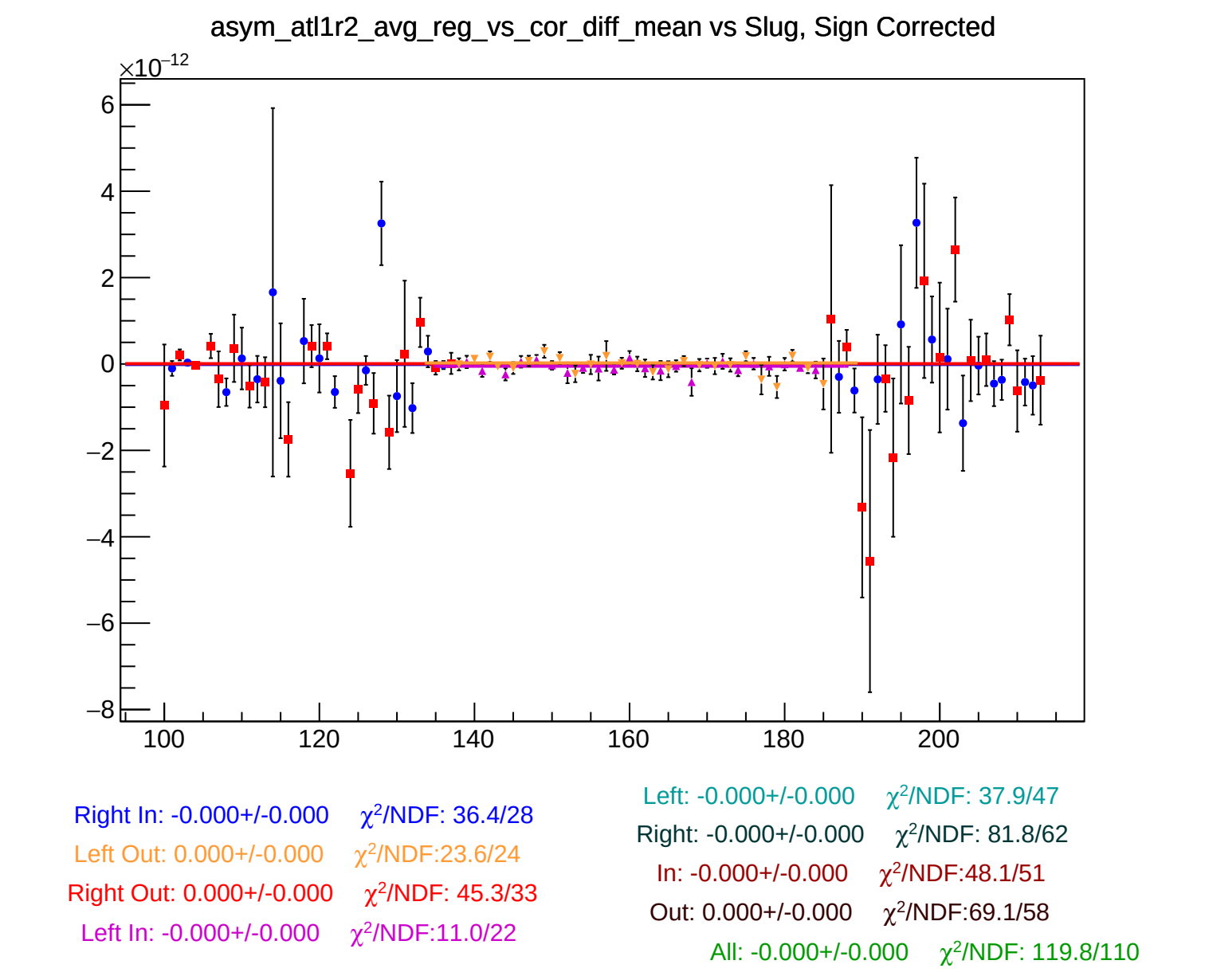
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

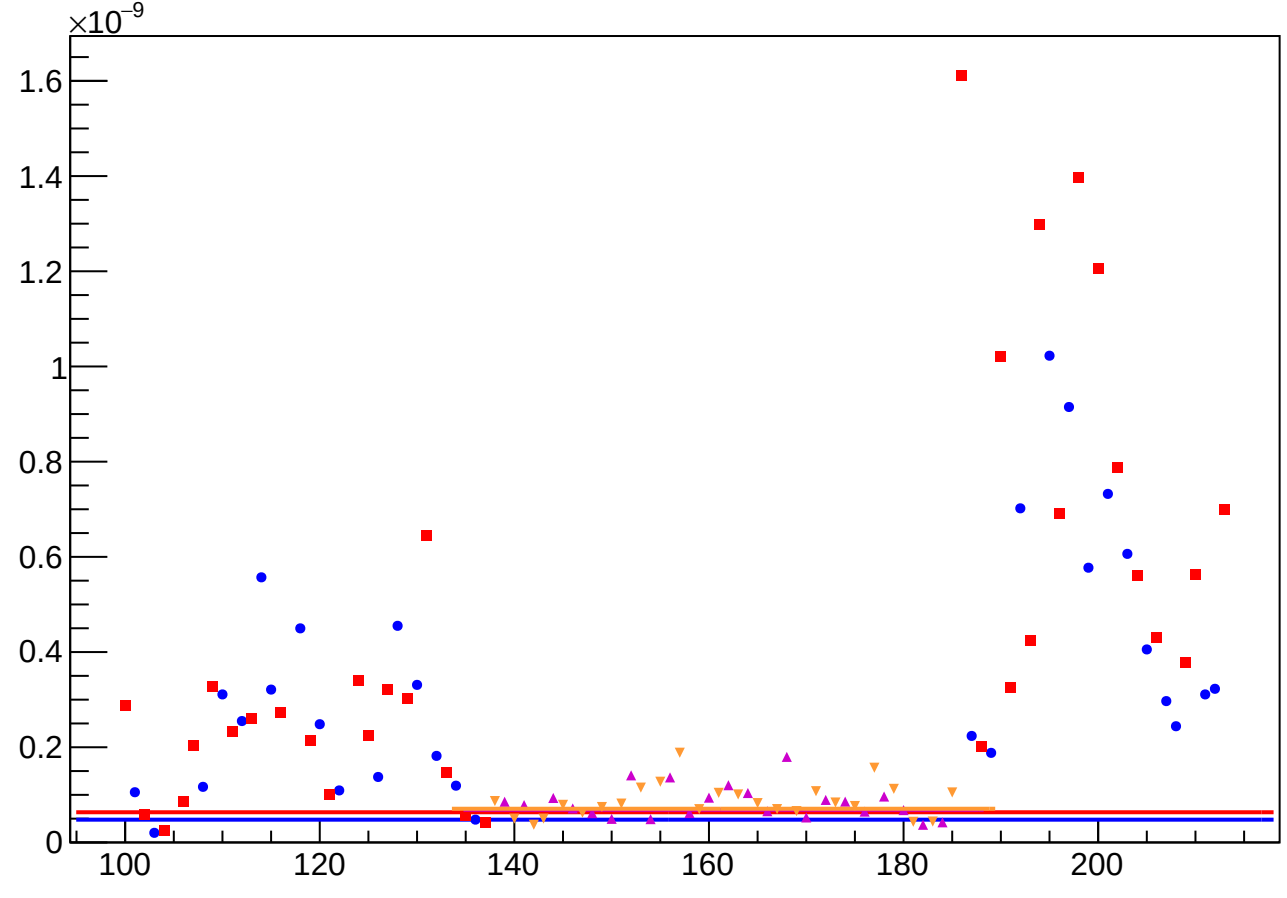
Right: 4819.638+/-0.630 χ^2/NDF: 12987076.7/62

In: 4928.176+/-0.617 χ^2/NDF:7282454.6/51

Out: 4978.962+/-0.606 χ^2/NDF:7742761.8/58

All: 4954.027+/-0.432 χ^2/NDF: 15028665.0/1


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: 36.4/28
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: 81.8/62
In: -0.000+/-0.000 χ²/NDF:48.1/51
Out: 0.000+/-0.000 χ²/NDF:69.1/58
All: -0.000+/-0.000 χ²/NDF: 119.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 9514007.3/28

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

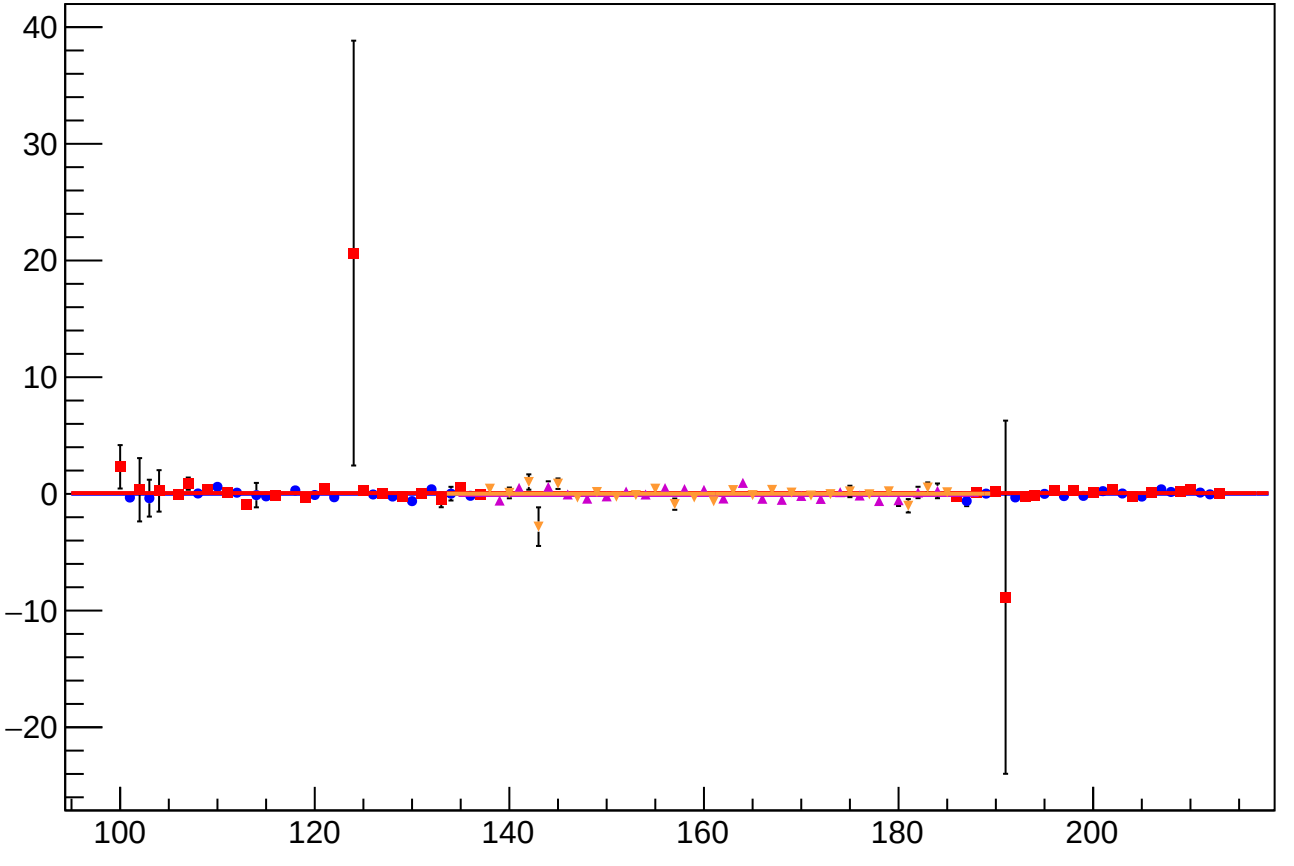
Right: 0.000+/-0.000 χ^2/NDF: 21281567.7/62

In: 0.000+/-0.000 χ^2/NDF:11358983.2/51

Out: 0.000+/-0.000 χ^2/NDF:13144597.8/58

All: 0.000+/-0.000 χ^2/NDF: 24626957.6/110

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.050 χ^2/NDF: 24.9/28

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

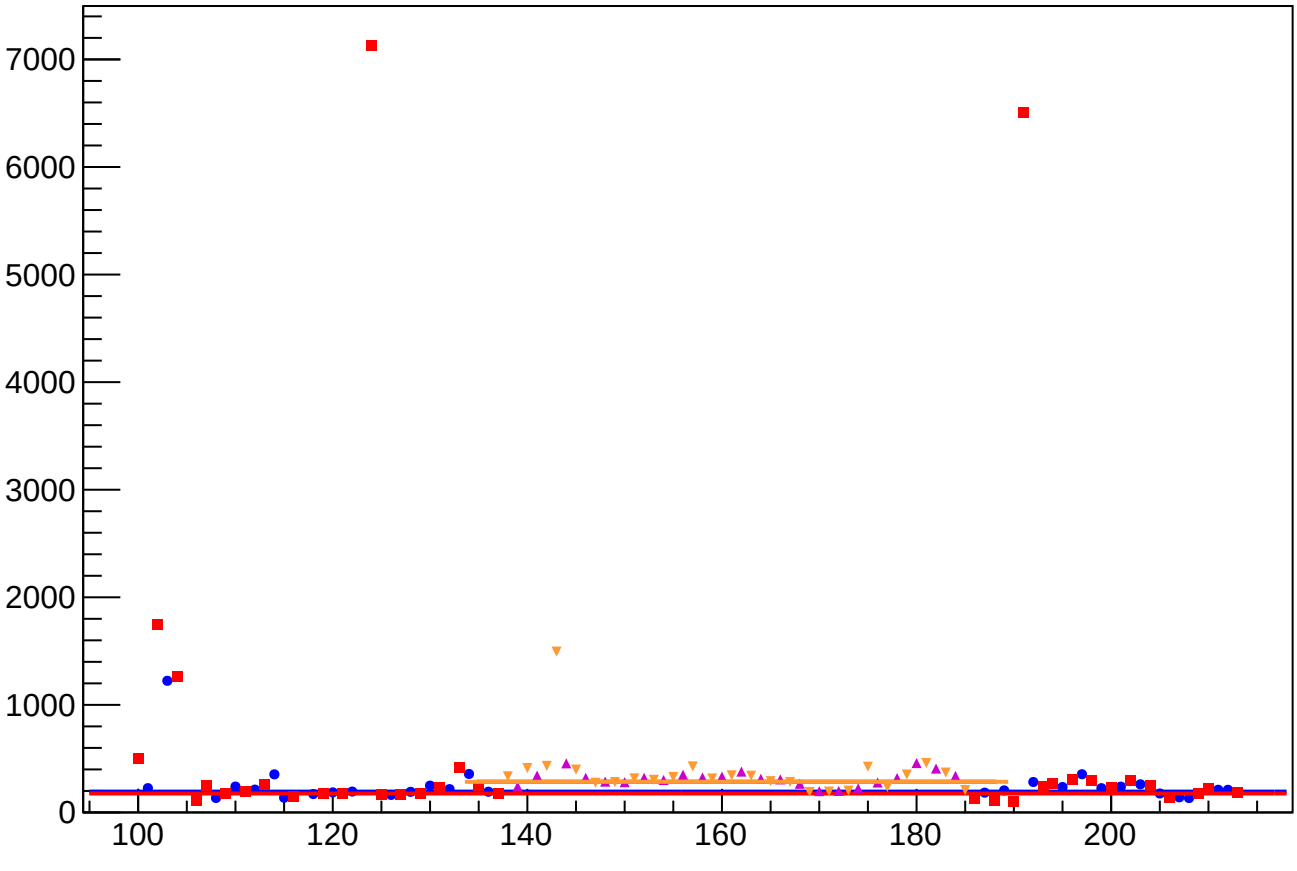
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.044+/-0.034 χ^2/NDF: 57.6/62

In: -0.023+/-0.041 χ^2/NDF:57.2/51

Out: 0.054+/-0.038 χ^2/NDF:60.7/58

All: 0.018+/-0.028 χ^2/NDF: 119.7/110



Right In: 193.815+/-0.036 χ^2/NDF: 2722273.6/28

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

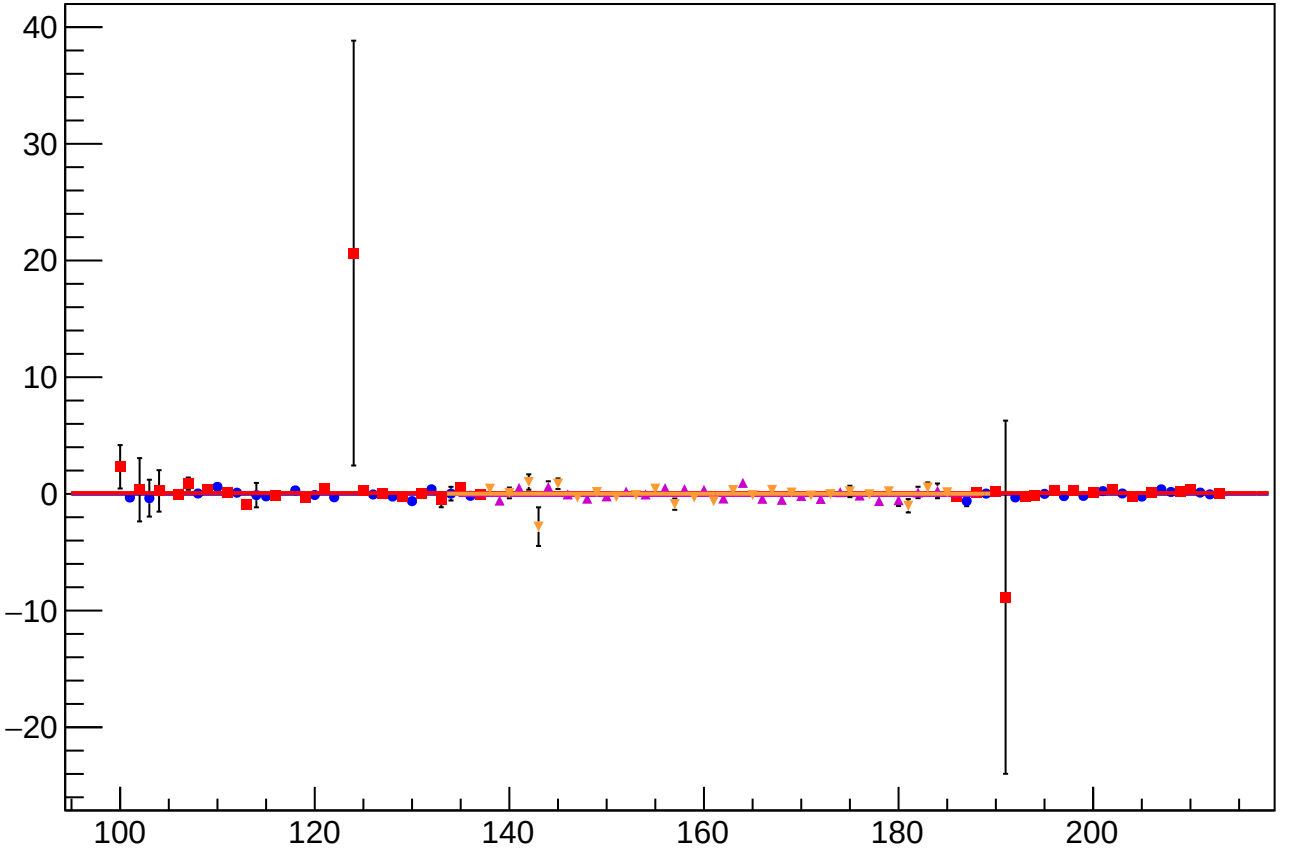
Right: 184.133+/-0.024 χ^2/NDF: 8298889.7/62

In: 224.845+/-0.029 χ^2/NDF:6732699.0/51

Out: 208.917+/-0.027 χ^2/NDF:12250706.2/58

All: 216.371+/-0.020 χ^2/NDF: 19144921.9/11

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.050 χ^2/NDF: 24.9/28

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

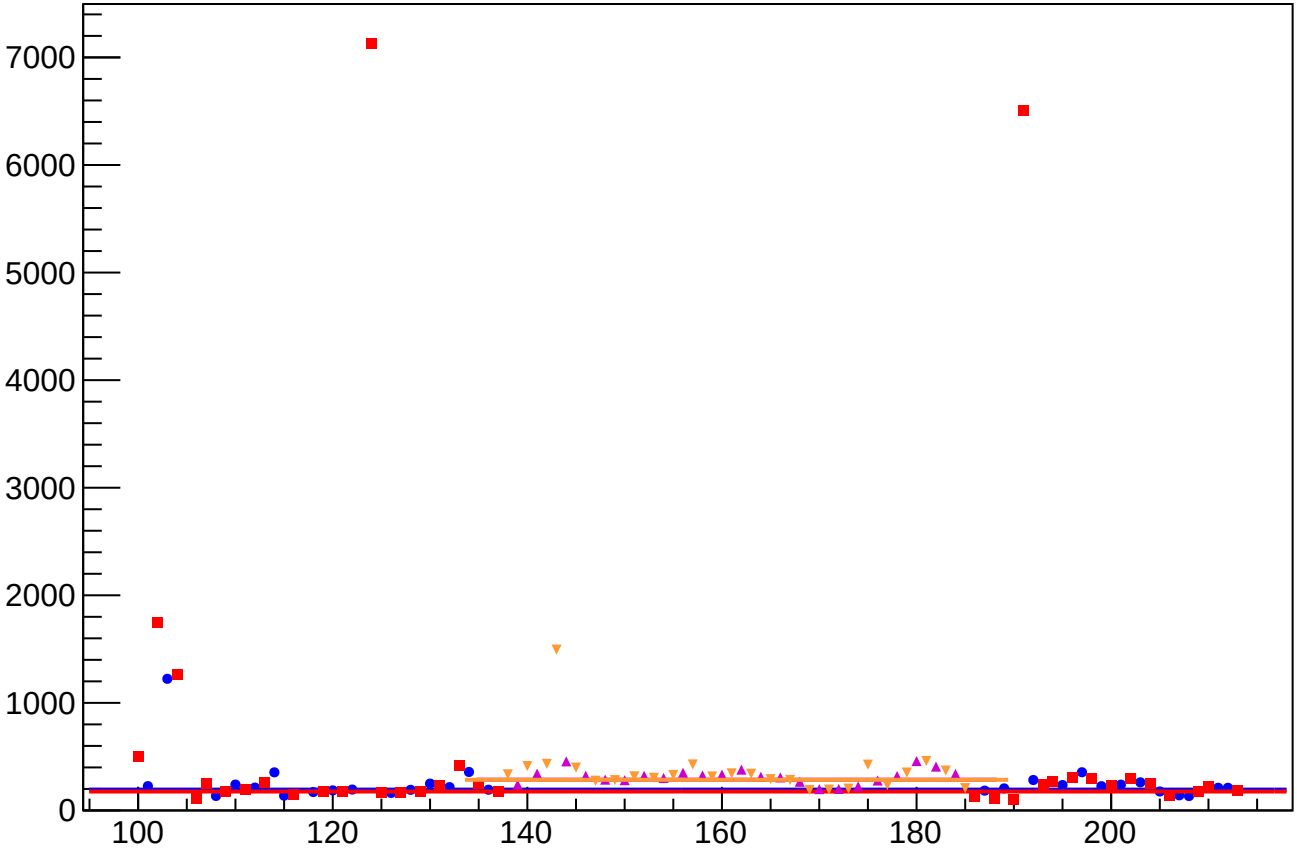
Right: 0.044+/-0.034 χ^2/NDF: 57.6/62

In: -0.023+/-0.041 χ^2/NDF:57.2/51

Out: 0.054+/-0.038 χ^2/NDF:60.7/58

All: 0.018+/-0.028 χ^2/NDF: 119.7/110

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.815+/-0.036 χ^2/NDF: 2722273.6/28

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

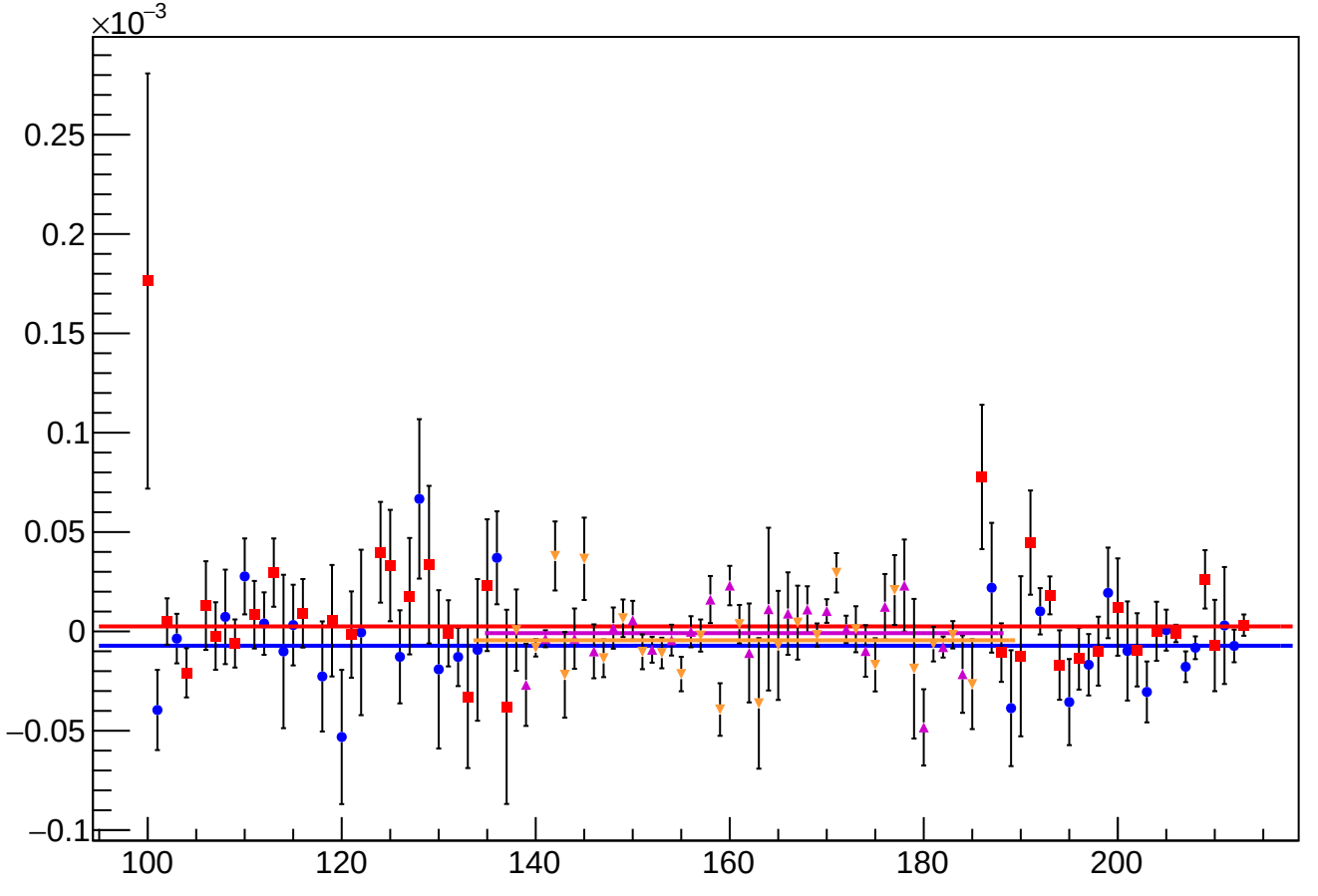
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 184.133+/-0.024 χ^2/NDF: 8298889.7/62

In: 224.845+/-0.029 χ^2/NDF:6732699.0/51

Out: 208.917+/-0.027 χ^2/NDF:12250706.2/58

All: 216.371+/-0.020 χ^2/NDF: 19144921.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 29.1/28

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

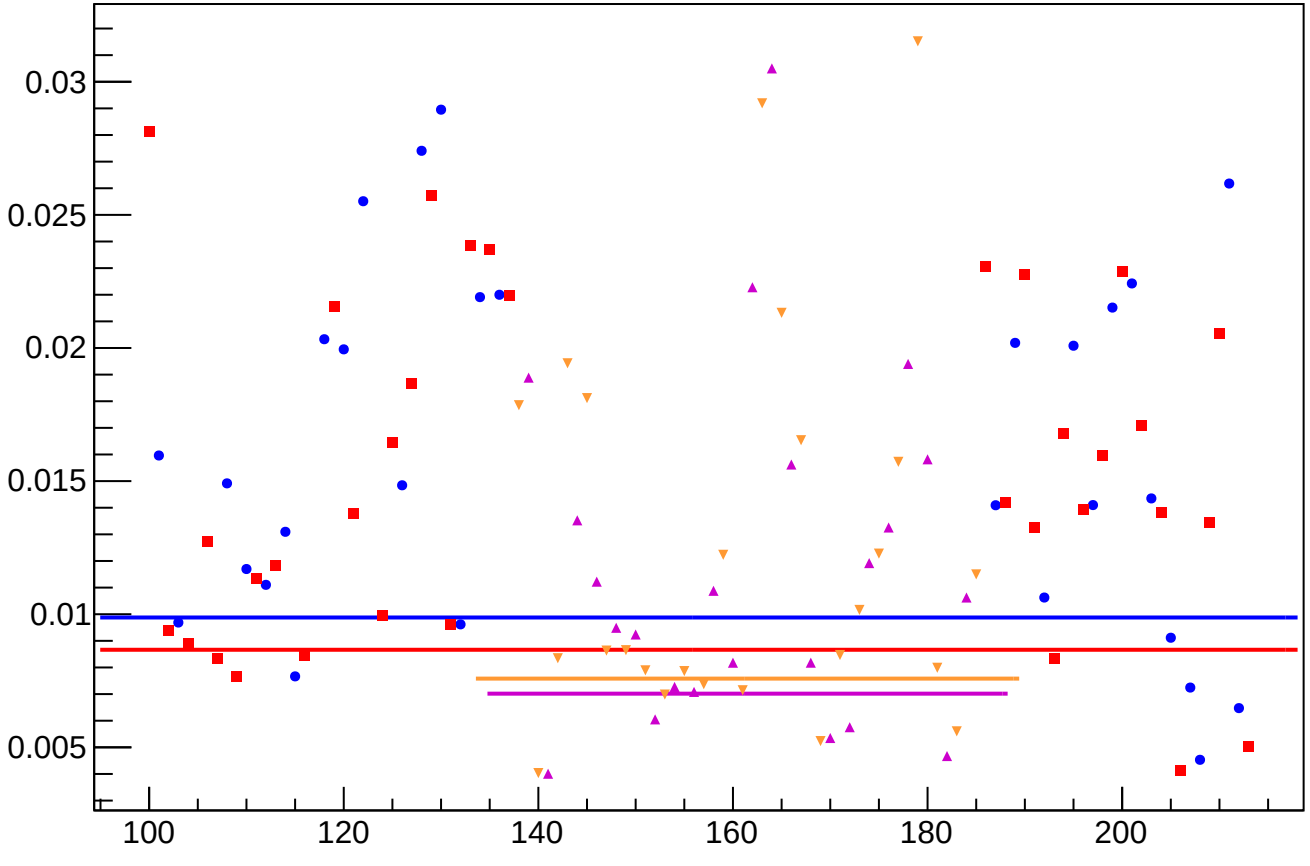
Right: -0.000+/-0.000 χ^2/NDF: 70.0/62

In: -0.000+/-0.000 χ^2/NDF:61.7/51

Out: -0.000+/-0.000 χ^2/NDF:82.8/58

All: -0.000+/-0.000 χ^2/NDF: 144.9/110

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 7806082.0/28

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.009+/-0.000 χ^2/NDF: 9546927.6/33

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

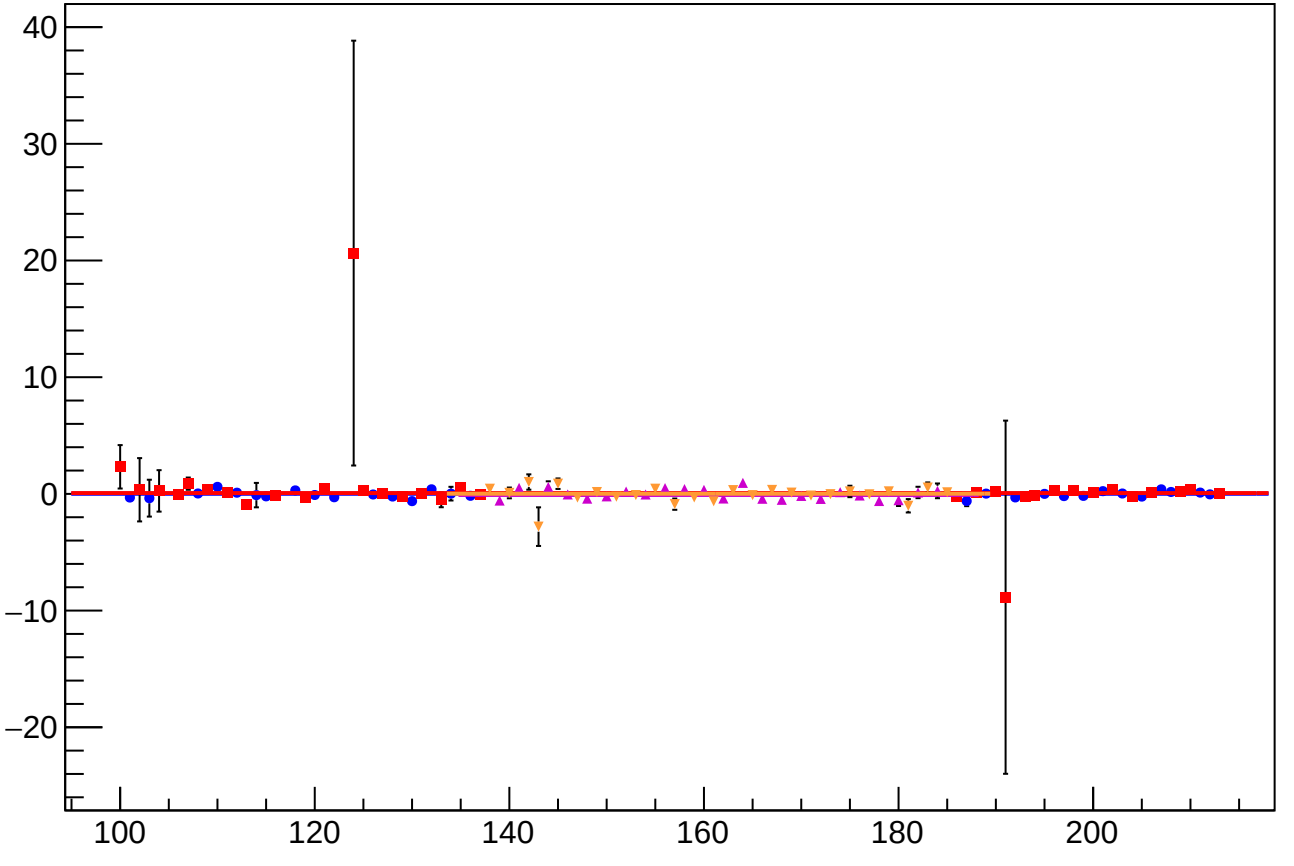
Right: 0.009+/-0.000 χ^2/NDF: 17575651.7/62

In: 0.008+/-0.000 χ^2/NDF:15990184.1/51

Out: 0.008+/-0.000 χ^2/NDF:17148285.9/58

All: 0.008+/-0.000 χ^2/NDF: 33142328.8/110

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.050 χ^2/NDF: 24.9/28

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

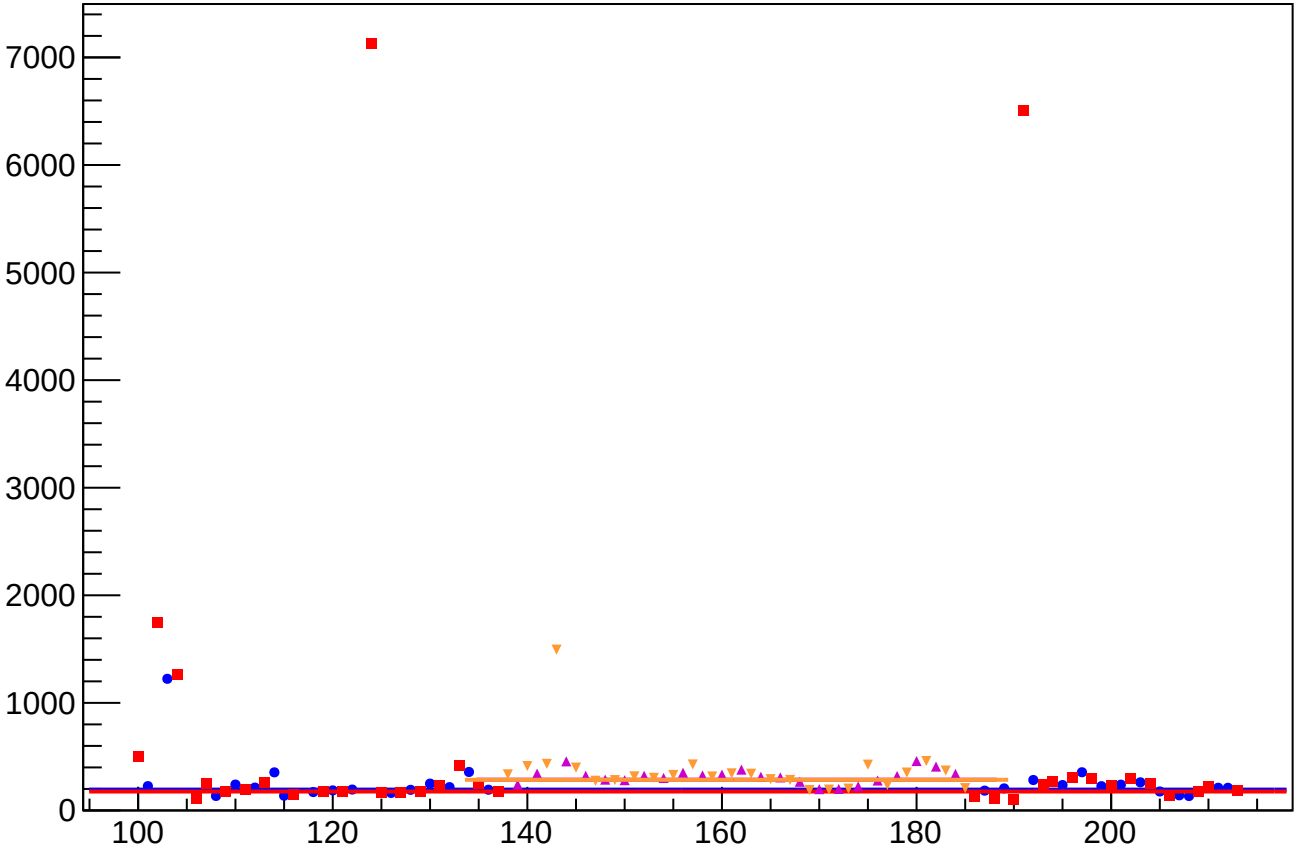
Right: 0.044+/-0.034 χ^2/NDF: 57.6/62

In: -0.023+/-0.041 χ^2/NDF:57.2/51

Out: 0.054+/-0.038 χ^2/NDF:60.7/58

All: 0.018+/-0.028 χ^2/NDF: 119.7/110

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.814+/-0.036 χ^2/NDF: 2722288.1/28

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

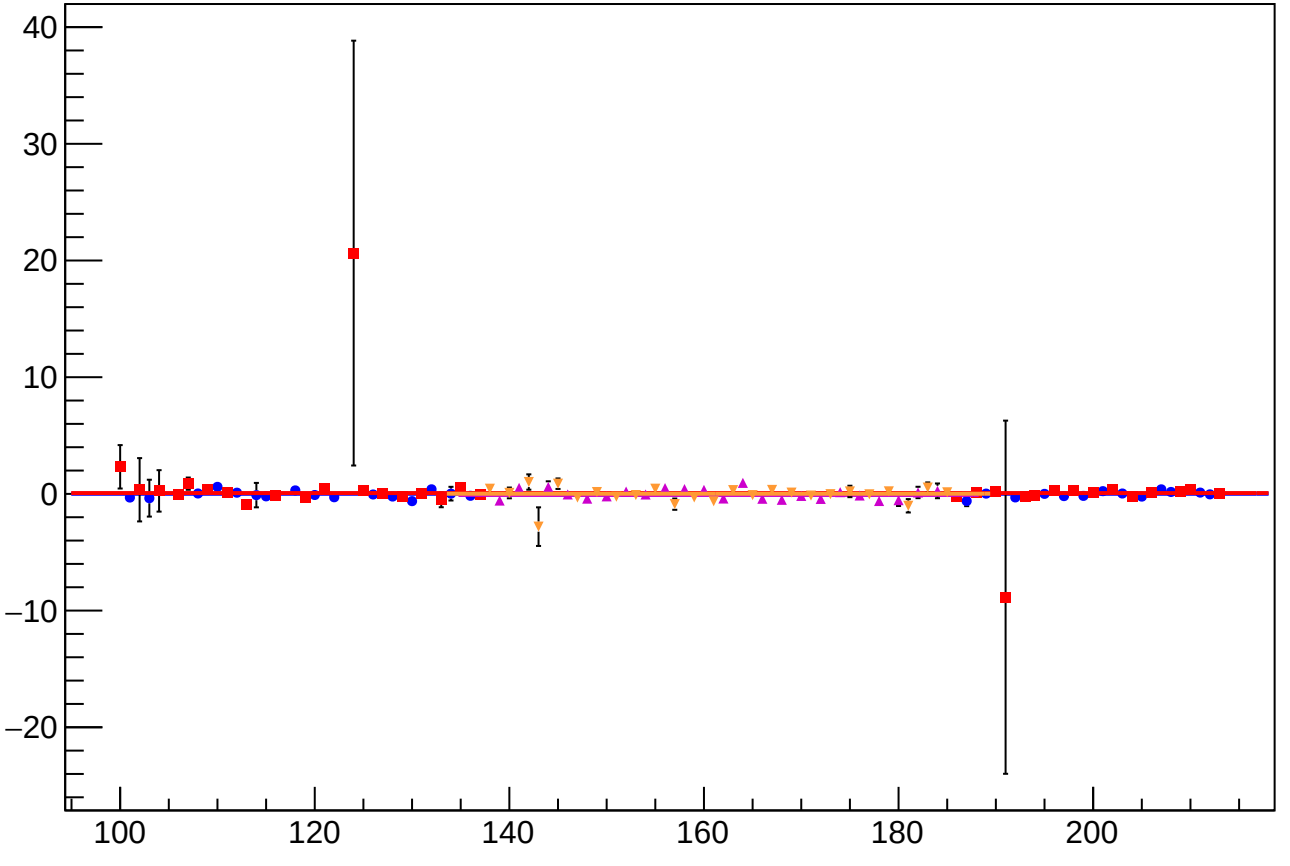
Right: 184.131+/-0.024 χ^2/NDF: 8299072.8/62

In: 224.845+/-0.029 χ^2/NDF:6732902.6/51

Out: 208.915+/-0.027 χ^2/NDF:12251181.8/58

All: 216.370+/-0.020 χ^2/NDF: 19145631.4/11

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.050 χ^2/NDF: 24.9/28

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

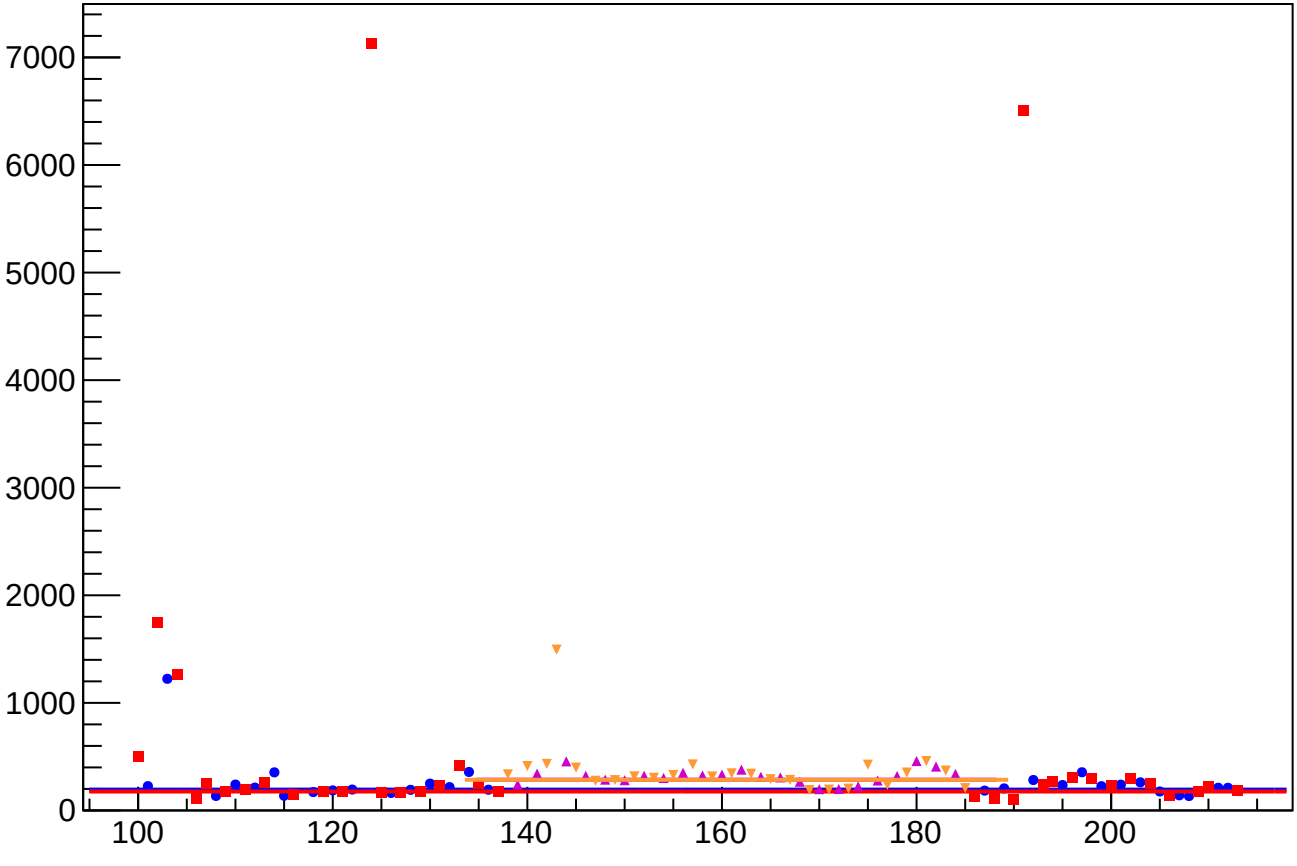
Right: 0.044+/-0.034 χ^2/NDF: 57.6/62

In: -0.023+/-0.041 χ^2/NDF:57.2/51

Out: 0.054+/-0.038 χ^2/NDF:60.7/58

All: 0.018+/-0.028 χ^2/NDF: 119.7/110

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.814+/-0.036 χ^2/NDF: 2722288.1/28

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

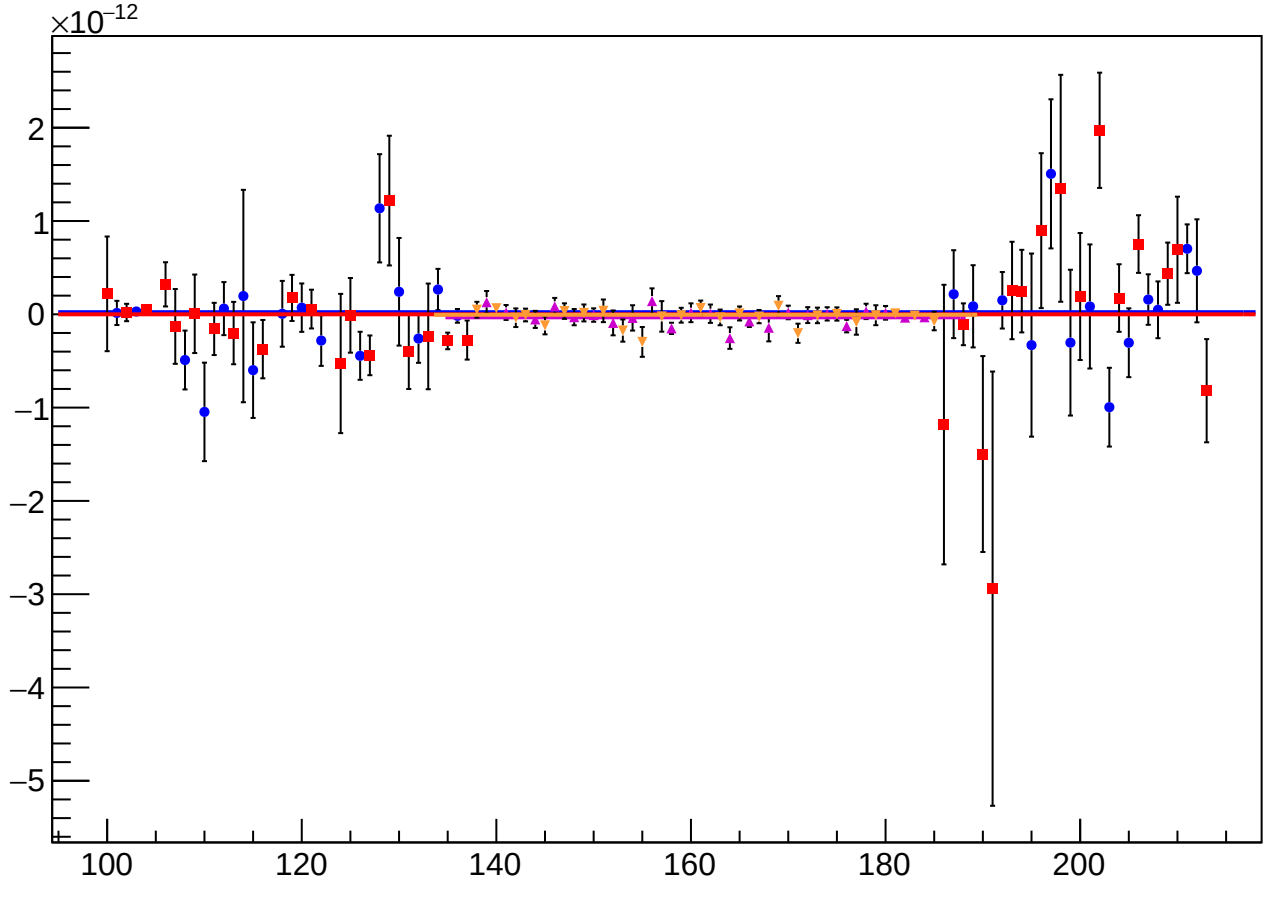
Right: 184.131+/-0.024 χ^2/NDF: 8299072.8/62

In: 224.845+/-0.029 χ^2/NDF:6732902.6/51

Out: 208.915+/-0.027 χ^2/NDF:12251181.8/58

All: 216.370+/-0.020 χ^2/NDF: 19145631.4/11

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/28

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 56.7/33

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

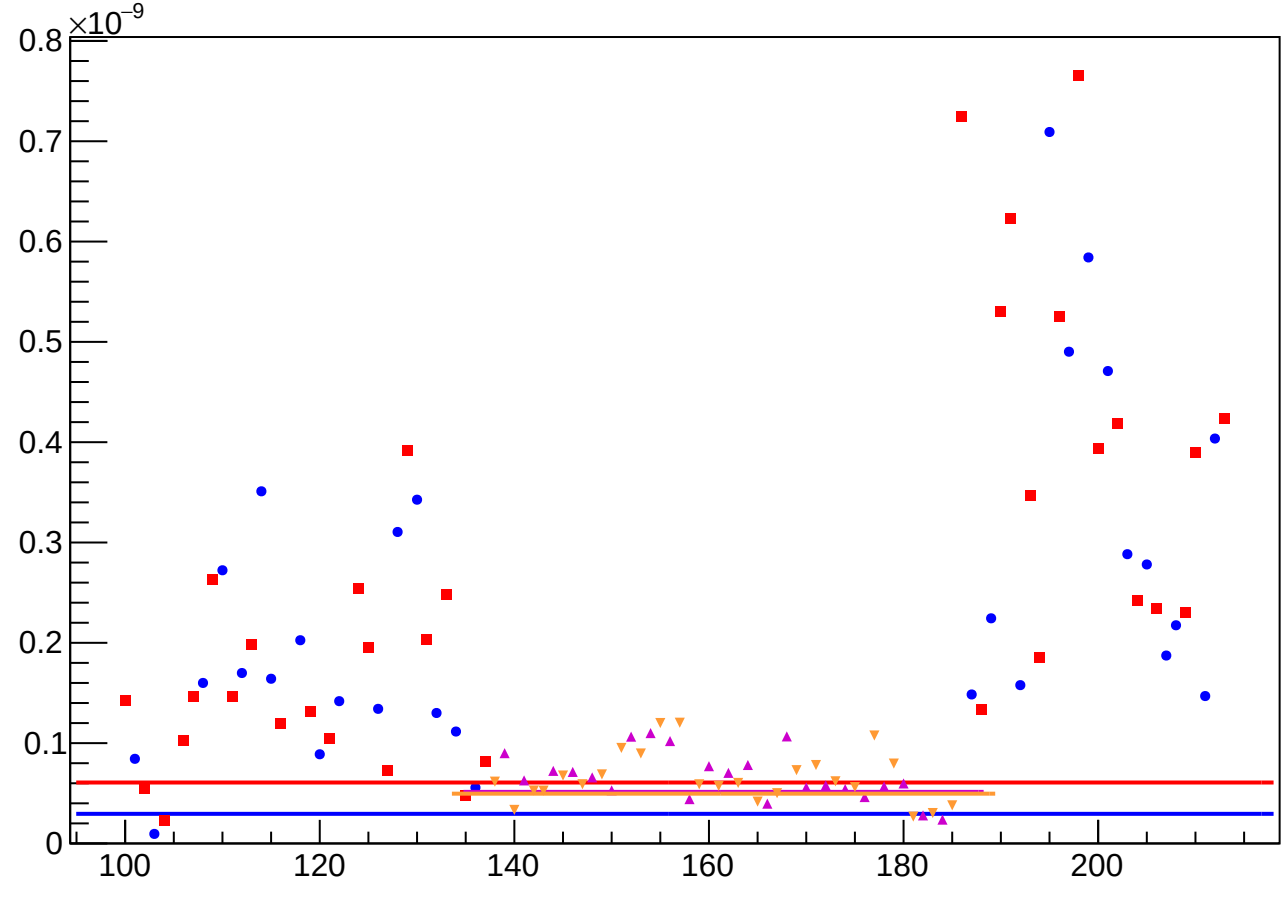
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: 0.000+/-0.000 χ^2/NDF: 94.9/62

In: -0.000+/-0.000 χ^2/NDF:61.2/51

Out: -0.000+/-0.000 χ^2/NDF:73.3/58

All: -0.000+/-0.000 χ^2/NDF: 134.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 15459914.2/28

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

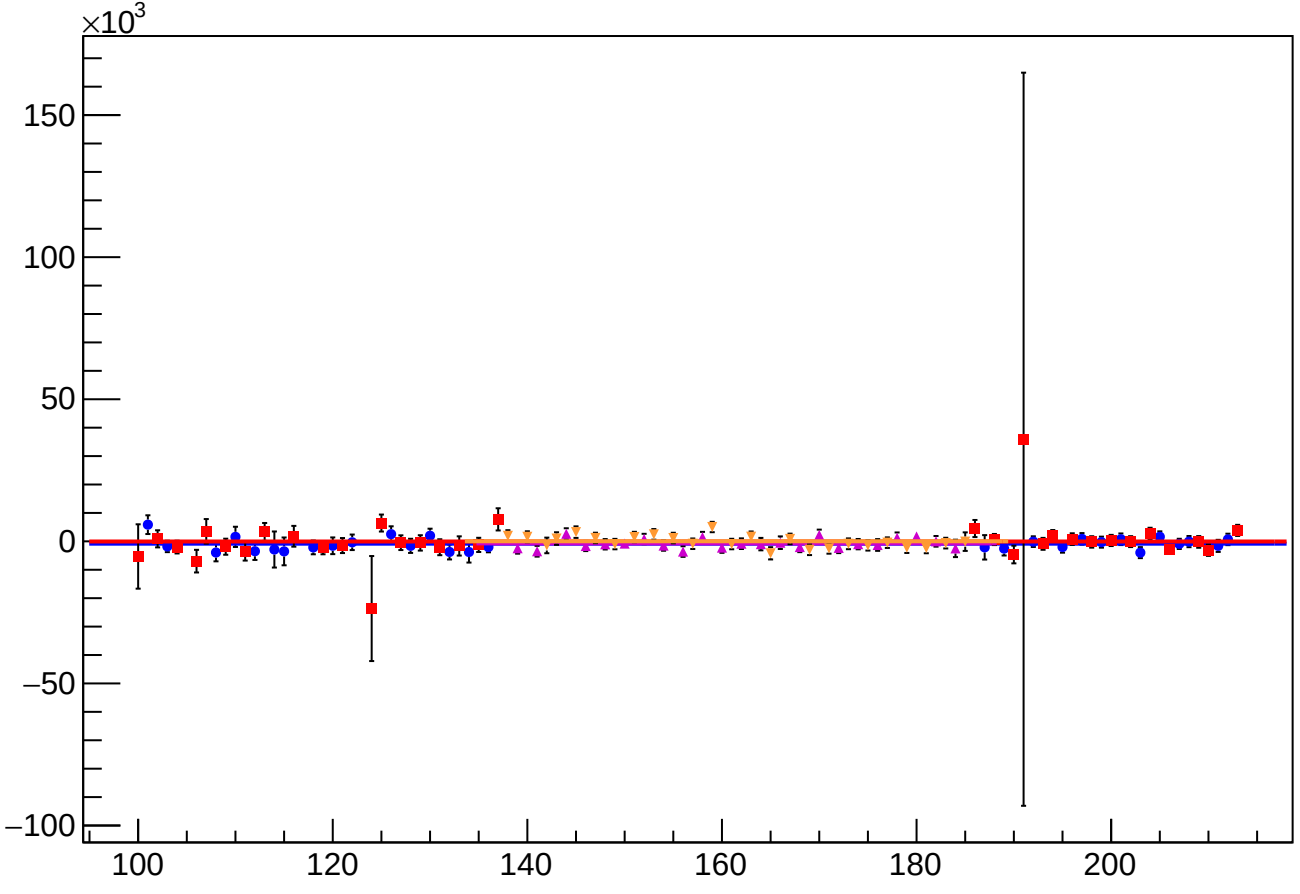
Right: 0.000+/-0.000 χ^2/NDF: 29042437.7/62

In: 0.000+/-0.000 χ^2/NDF:20575765.7/51

Out: 0.000+/-0.000 χ^2/NDF:16208329.2/58

All: 0.000+/-0.000 χ^2/NDF: 37231668.8/110

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -819.219+/-440.035 χ^2/NDF: 20.0/28

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

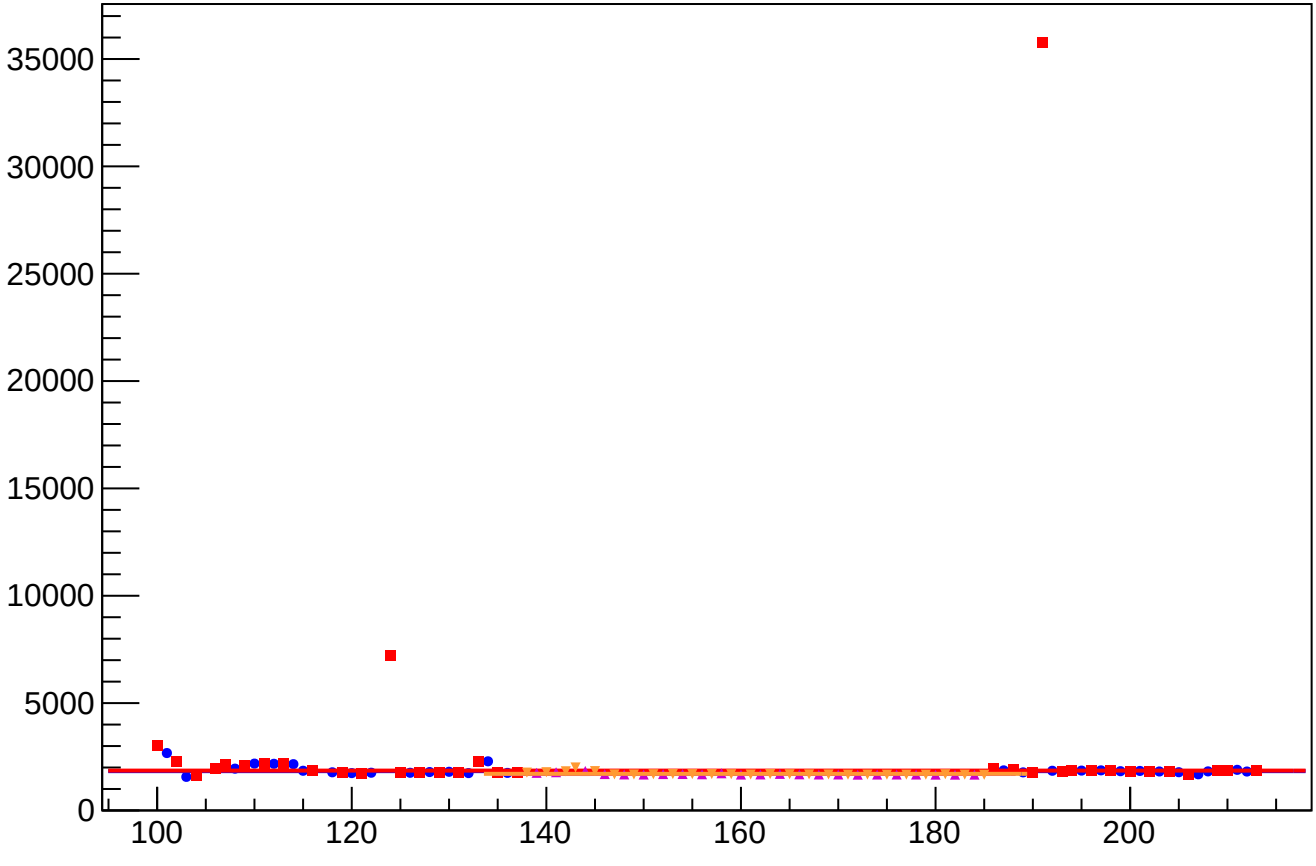
Right: -428.206+/-308.316 χ^2/NDF: 59.3/62

In: -764.180+/-294.539 χ^2/NDF:39.1/51

Out: -10.000+/-288.589 χ^2/NDF:67.3/58

All: -379.396+/-206.135 χ^2/NDF: 109.7/110

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1830.878+/-0.311 χ^2/NDF: 280780.0/28

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

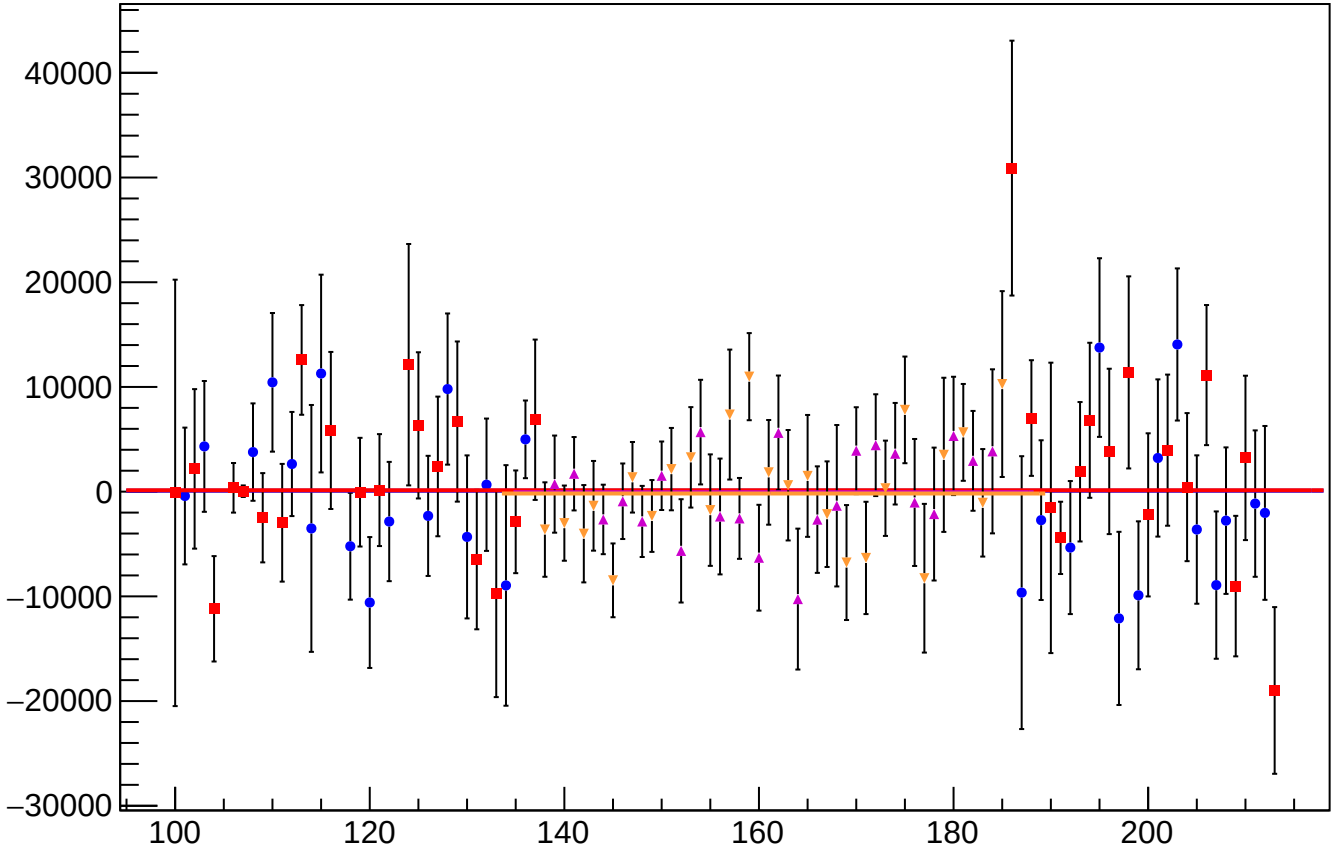
Right: 1843.777+/-0.218 χ^2/NDF: 820056.7/62

In: 1757.266+/-0.208 χ^2/NDF:403328.4/51

Out: 1772.851+/-0.204 χ^2/NDF:730466.0/58

All: 1765.221+/-0.146 χ^2/NDF: 1136652.6/11

asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 90.123+/-1220.190 χ^2/NDF: 28.5/28

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

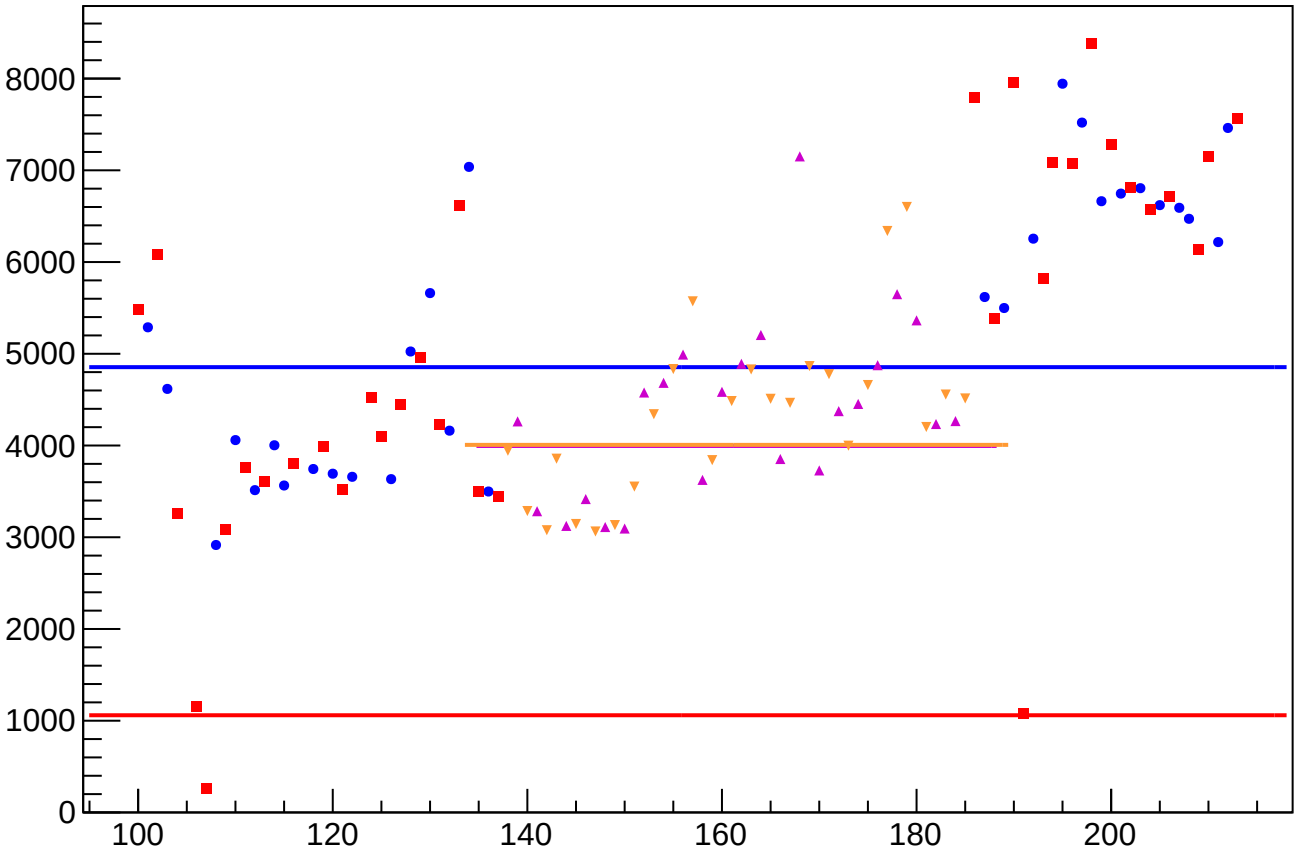
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 125.954+/-451.213 χ^2/NDF: 69.6/62

In: -0.670+/-752.724 χ^2/NDF:42.8/51

Out: 66.334+/-430.985 χ^2/NDF:69.1/58

All: 49.791+/-374.016 χ^2/NDF: 111.9/110



Right In: 4854.267+/-0.863 χ^2/NDF: 2926913.0/28

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

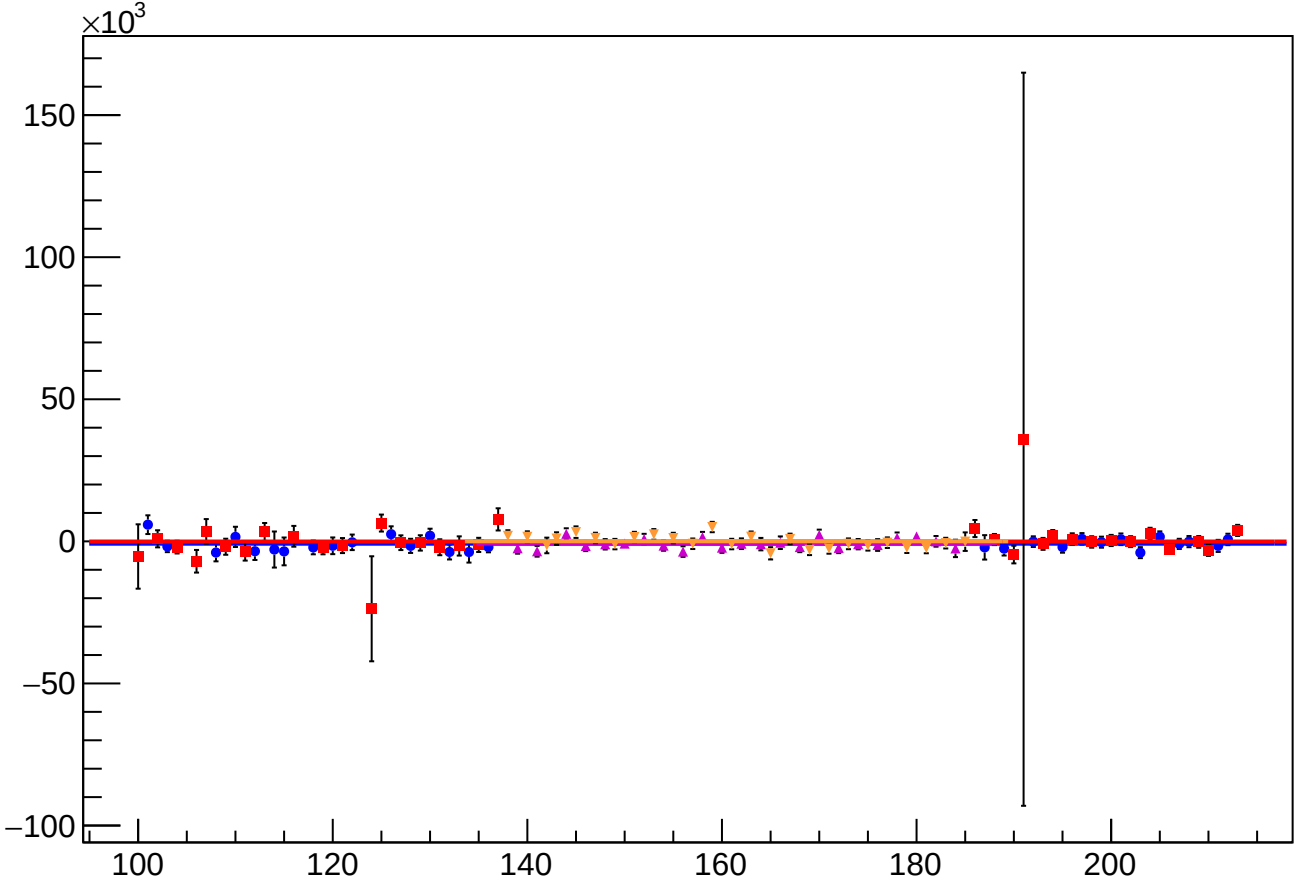
Right: 1578.515+/-0.319 χ^2/NDF: 47221869.6/62

In: 4321.982+/-0.532 χ^2/NDF:5079441.8/51

Out: 1685.666+/-0.305 χ^2/NDF:44748532.4/58

All: 2336.555+/-0.264 χ^2/NDF: 68304042.5/1

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -819.044+/-440.035 χ^2/NDF: 20.0/28

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

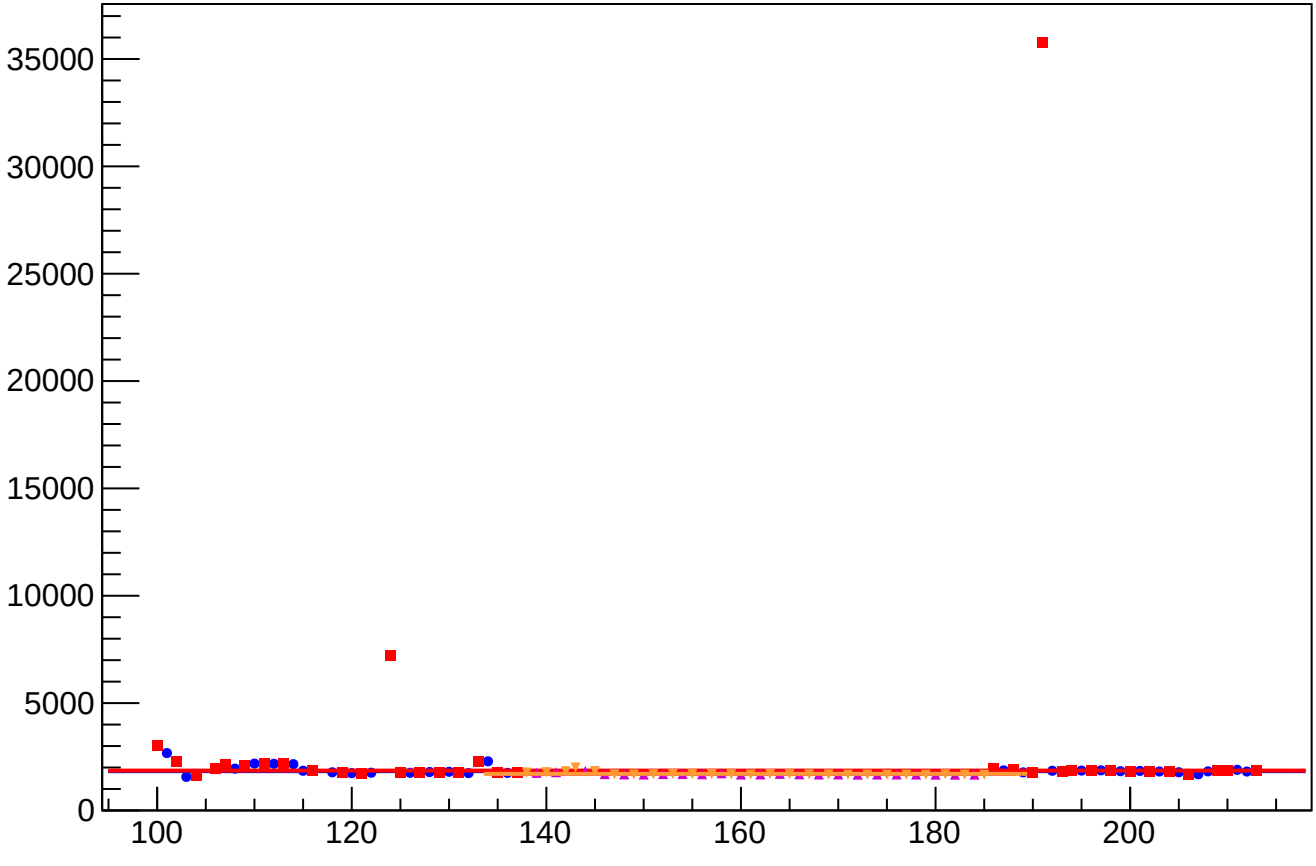
Right: -428.200+/-308.316 χ^2/NDF: 59.4/62

In: -764.033+/-294.539 χ^2/NDF:39.1/51

Out: -10.030+/-288.590 χ^2/NDF:67.3/58

All: -379.339+/-206.135 χ^2/NDF: 109.7/110

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1830.878+/-0.311 χ^2/NDF: 280779.2/28

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

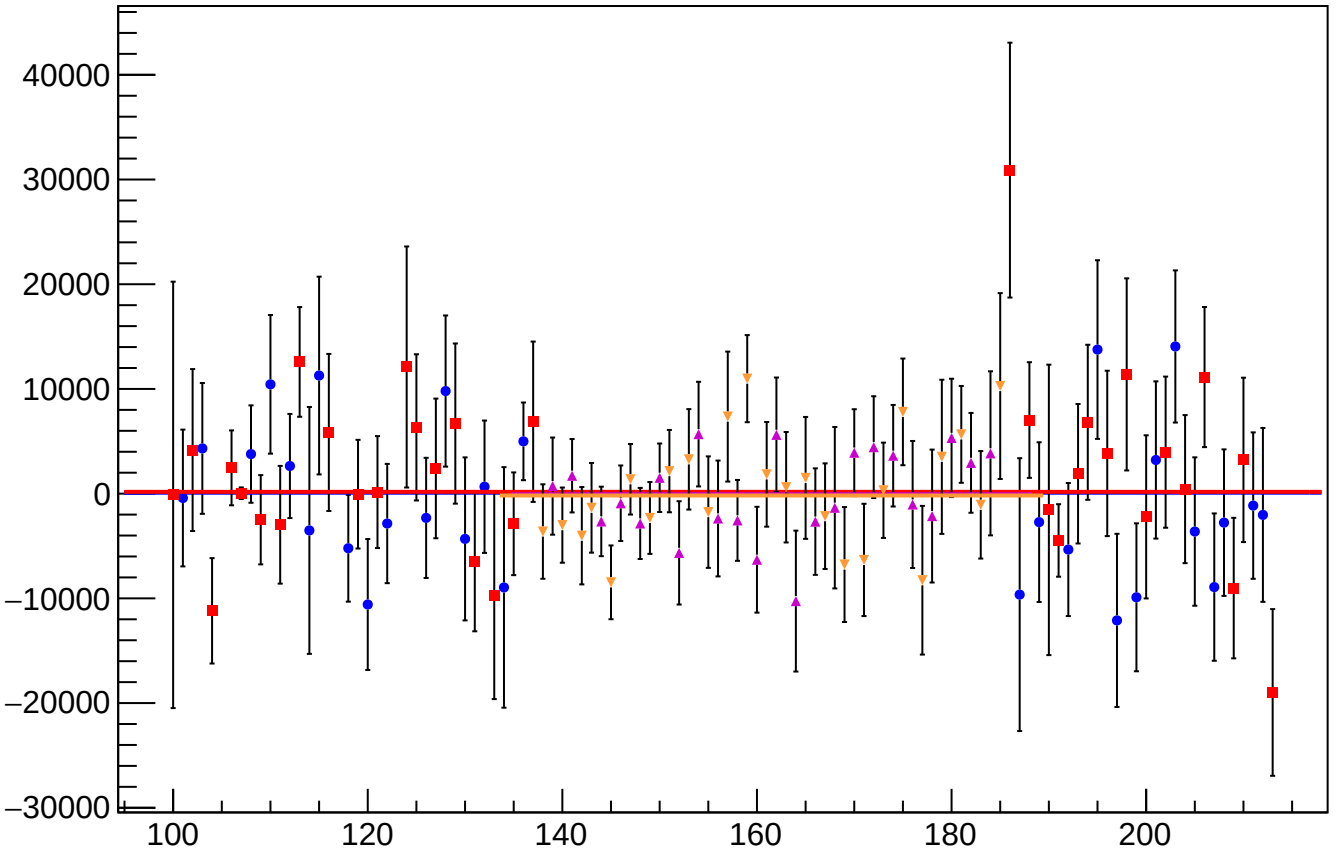
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1843.861+/-0.218 χ^2/NDF: 820441.4/62

In: 1757.266+/-0.208 χ^2/NDF:403327.9/51

Out: 1772.919+/-0.204 χ^2/NDF:731092.5/58

All: 1765.255+/-0.146 χ^2/NDF: 1137303.4/11



Right In: 90.059+/-1220.193 χ^2/NDF: 28.5/28

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

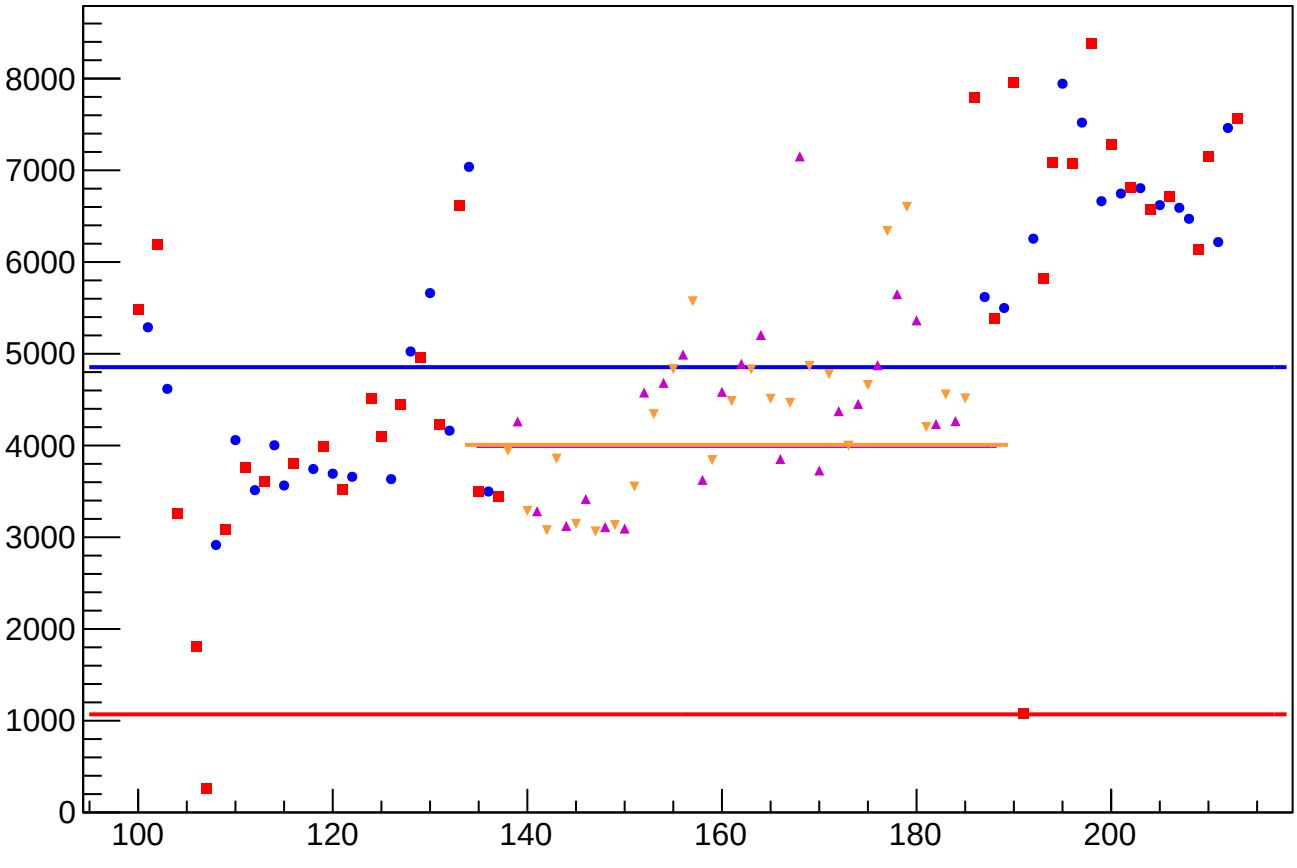
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 160.799+/-455.904 χ^2/NDF: 70.2/62

In: -0.651+/-752.725 χ^2/NDF:42.8/51

Out: 96.945+/-435.068 χ^2/NDF:69.8/58

All: 72.506+/-376.675 χ^2/NDF: 112.6/110



Right In: 4854.278+/-0.863 χ^2/NDF: 2926915.5/28

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

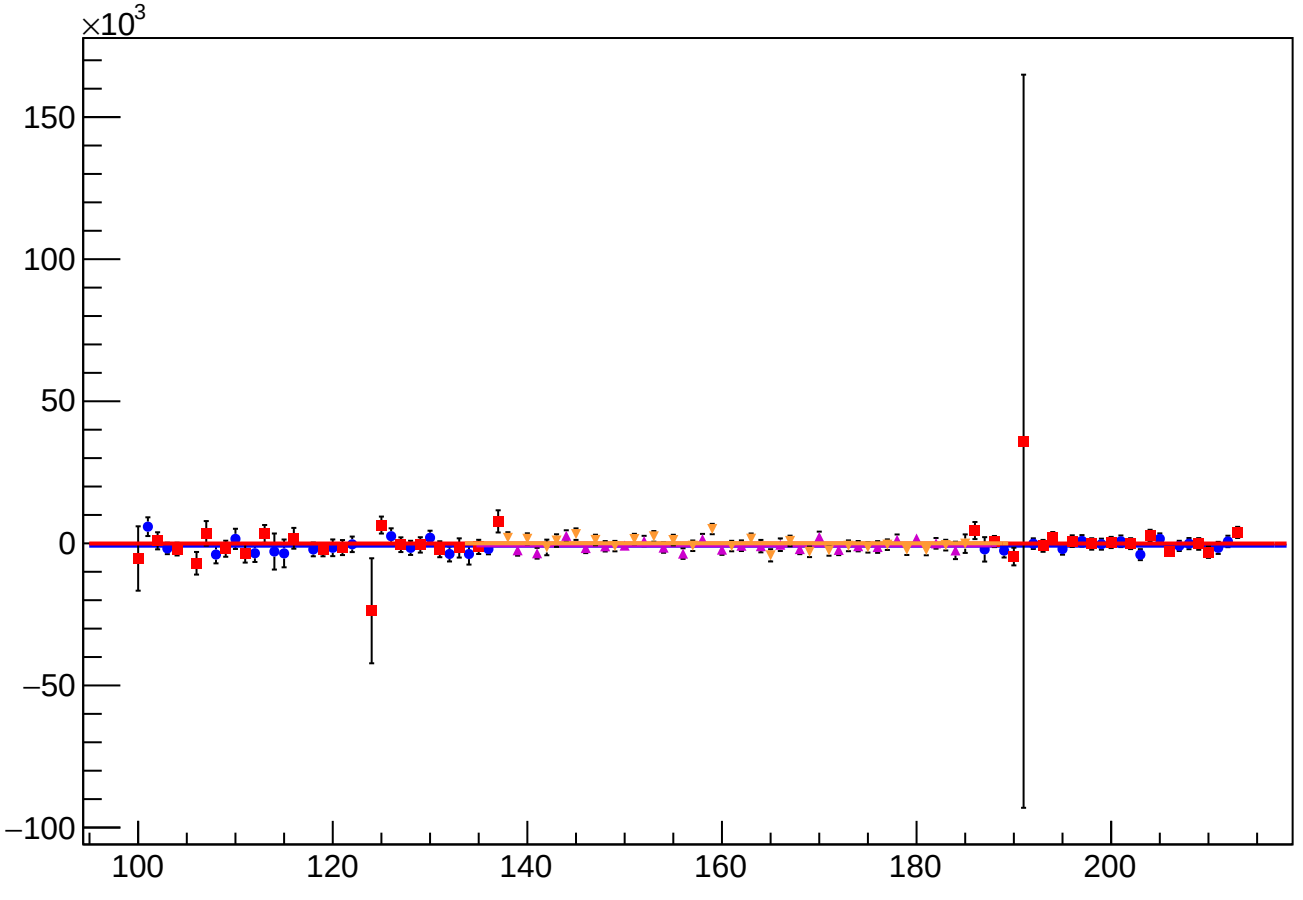
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1597.798+/-0.322 χ^2/NDF: 47176564.2/62

In: 4321.984+/-0.532 χ^2/NDF:5079443.1/51

Out: 1705.267+/-0.308 χ^2/NDF:44660622.9/58

All: 2360.534+/-0.266 χ^2/NDF: 67857296.7/1



Right In: -819.044+/-440.035 χ^2/NDF: 20.0/28

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

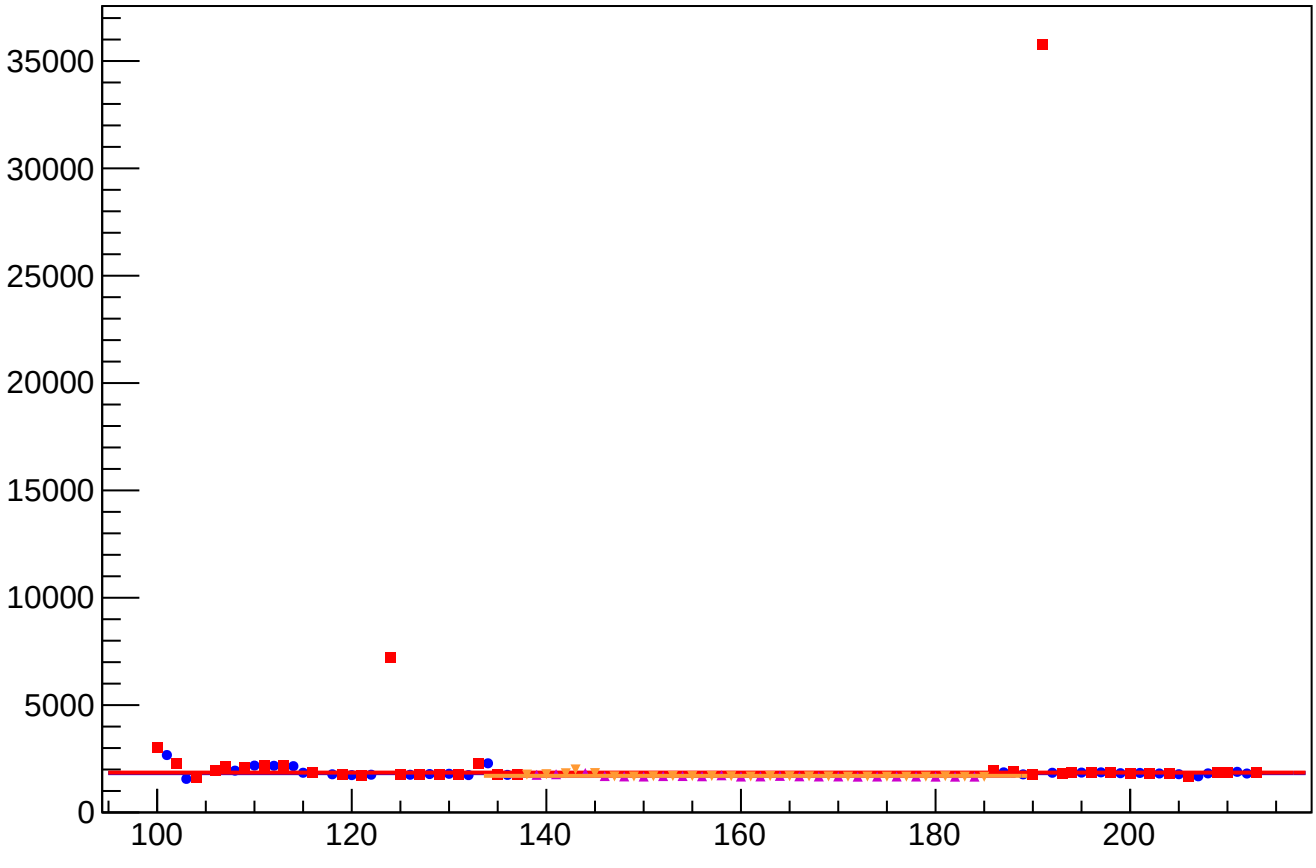
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -428.200+/-308.316 χ^2/NDF: 59.4/62

In: -764.033+/-294.539 χ^2/NDF:39.1/51

Out: -10.030+/-288.590 χ^2/NDF:67.3/58

All: -379.339+/-206.135 χ^2/NDF: 109.7/110



Right In: 1830.878+/-0.311 χ^2/NDF: 280779.2/28

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

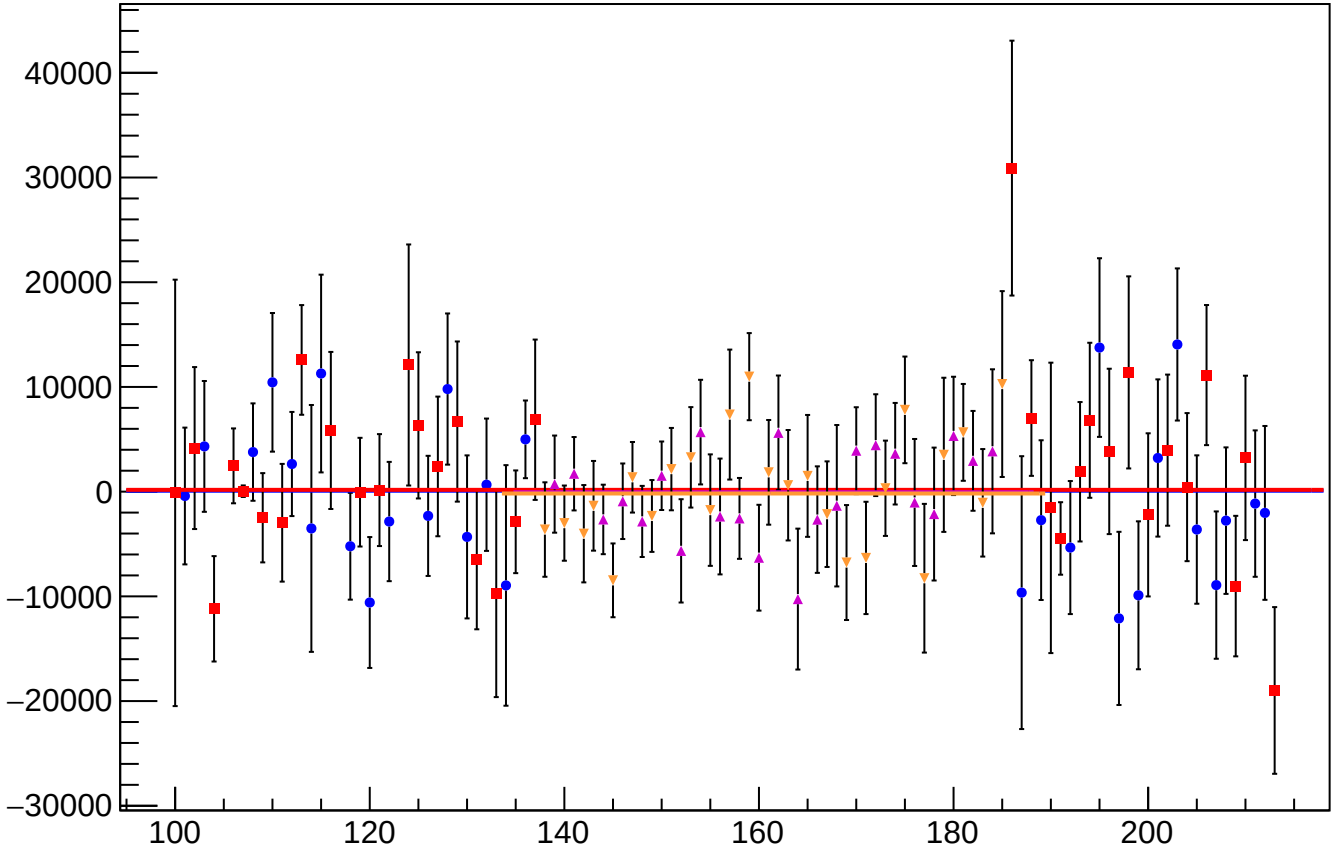
Right: 1843.861+/-0.218 χ^2/NDF: 820441.4/62

In: 1757.266+/-0.208 χ^2/NDF:403327.9/51

Out: 1772.919+/-0.204 χ^2/NDF:731092.5/58

All: 1765.255+/-0.146 χ^2/NDF: 1137303.4/11

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 90.059+/-1220.193 χ^2/NDF: 28.5/28

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

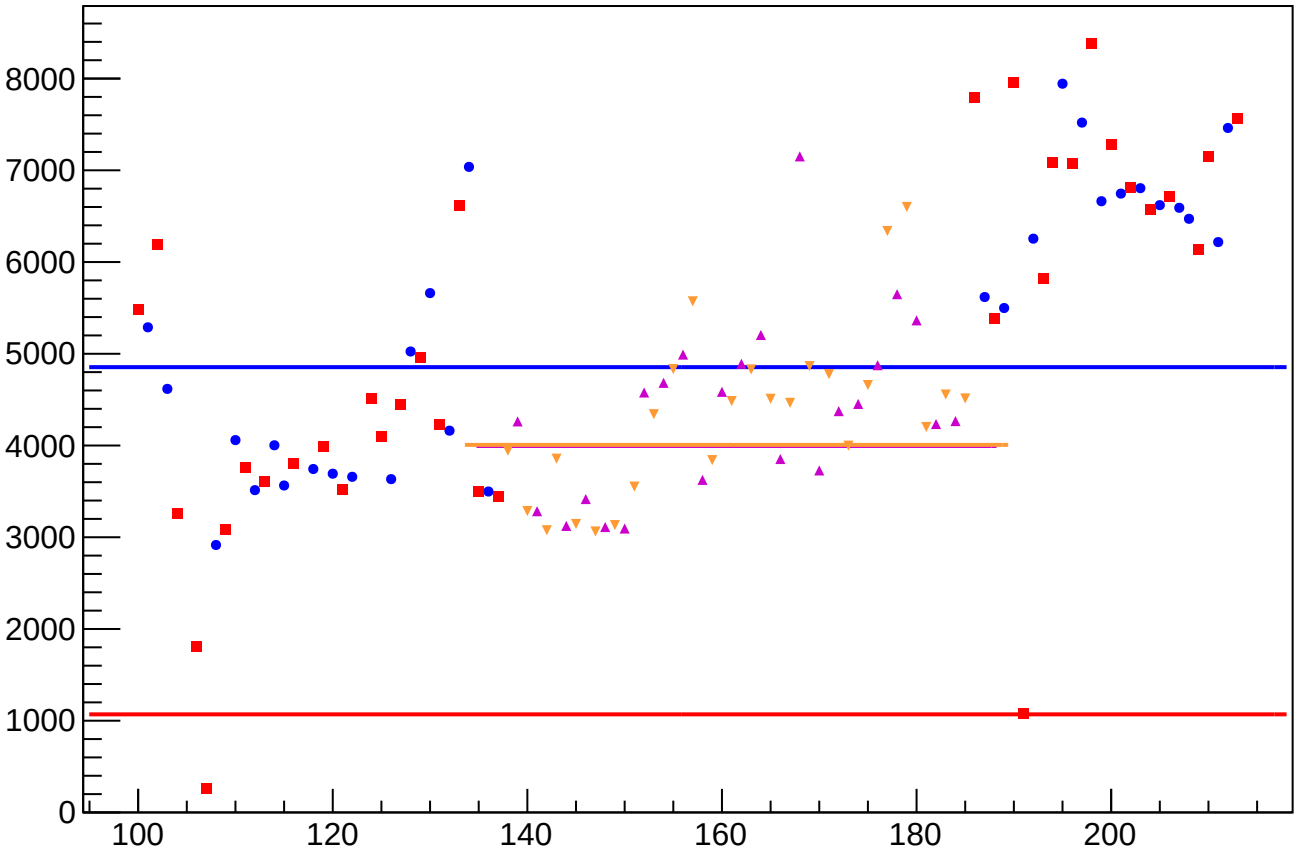
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 160.799+/-455.904 χ^2/NDF: 70.2/62

In: -0.651+/-752.725 χ^2/NDF:42.8/51

Out: 96.945+/-435.068 χ^2/NDF:69.8/58

All: 72.506+/-376.675 χ^2/NDF: 112.6/110



Right In: 4854.278+/-0.863 χ^2/NDF: 2926915.5/28

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

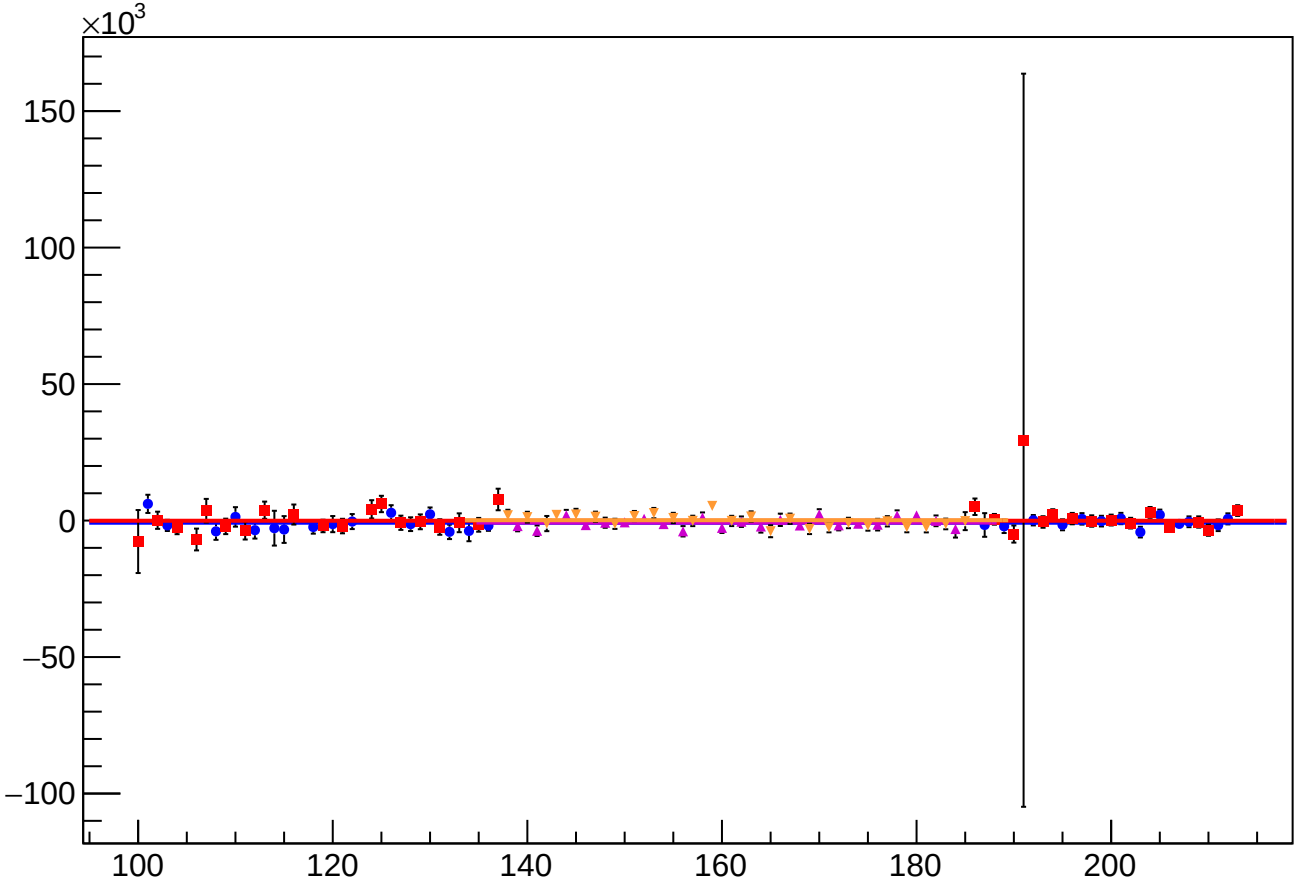
Right: 1597.798+/-0.322 χ^2/NDF: 47176564.2/62

In: 4321.984+/-0.532 χ^2/NDF:5079443.1/51

Out: 1705.267+/-0.308 χ^2/NDF:44660622.9/58

All: 2360.534+/-0.266 χ^2/NDF: 67857296.7/1

dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -791.143+/-444.553 χ^2/NDF: 21.2/28

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

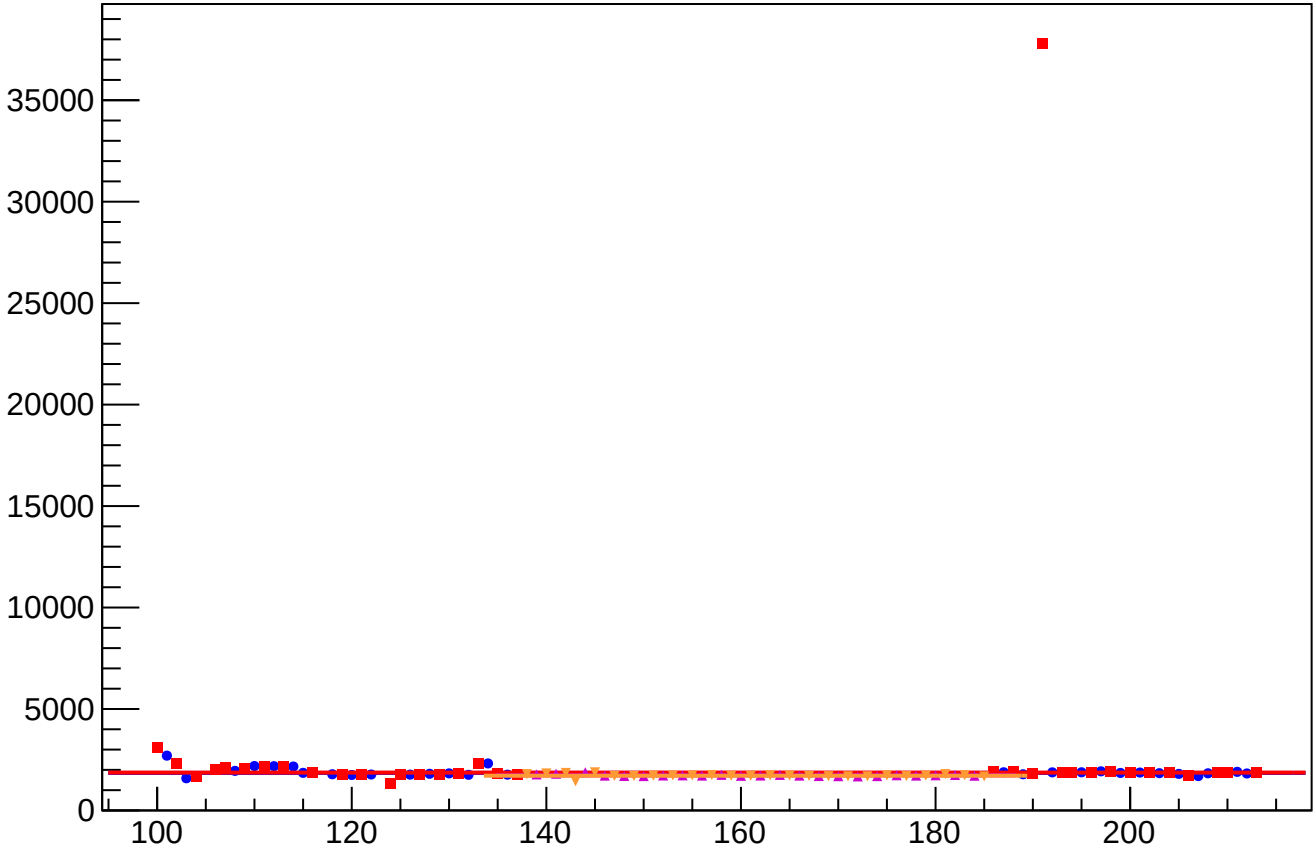
Right: -418.386+/-310.500 χ^2/NDF: 61.9/62

In: -763.795+/-299.048 χ^2/NDF:40.2/51

Out: 38.172+/-289.822 χ^2/NDF:69.1/58

All: -350.250+/-208.120 χ^2/NDF: 113.0/110

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1849.473+/-0.314 χ^2/NDF: 280653.0/28

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

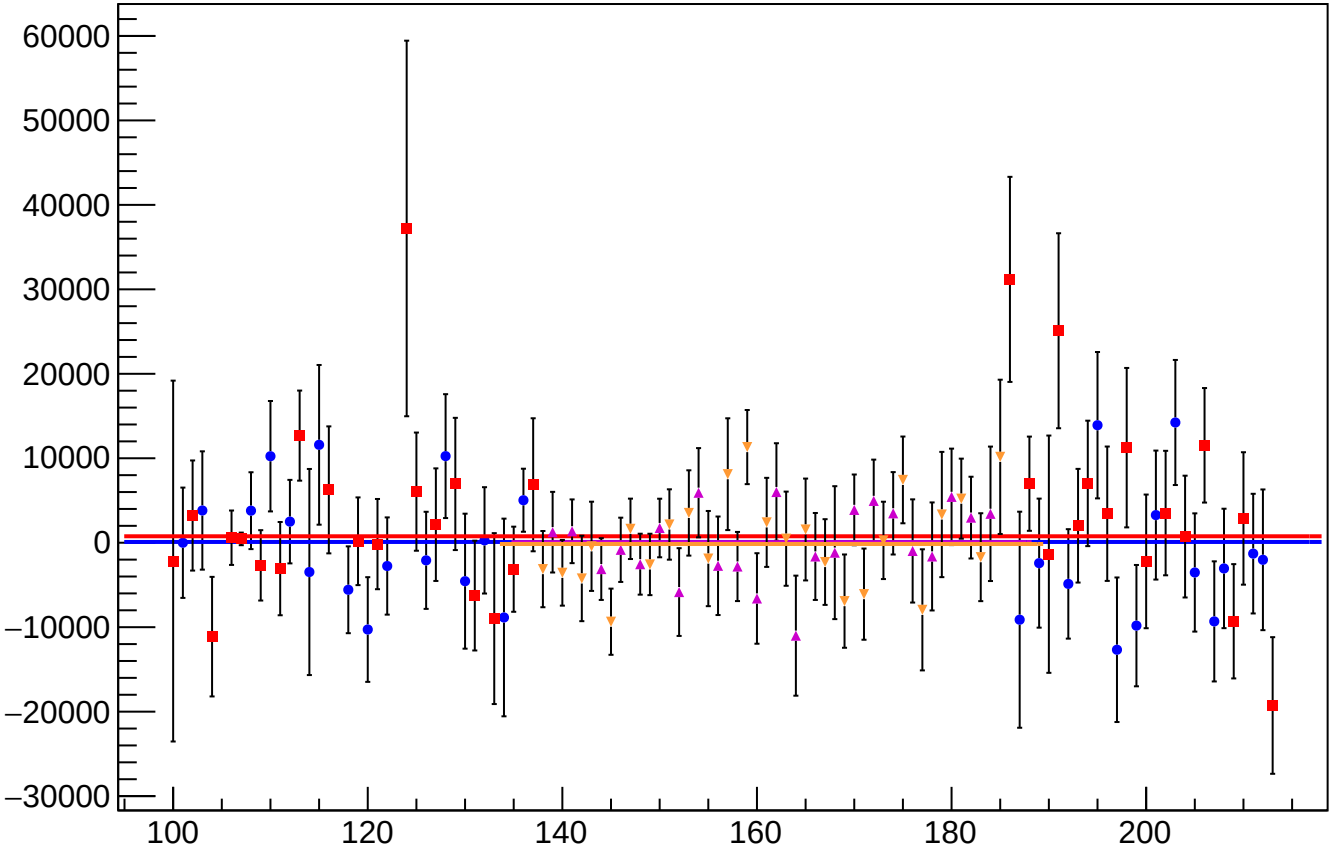
Right: 1857.627+/-0.220 χ^2/NDF: 712556.1/62

In: 1784.250+/-0.211 χ^2/NDF:382361.6/51

Out: 1780.640+/-0.205 χ^2/NDF:662911.7/58

All: 1782.388+/-0.147 χ^2/NDF: 1045423.6/11

asym_atl1r2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 91.596+/-1230.323 χ^2/NDF: 28.2/28

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

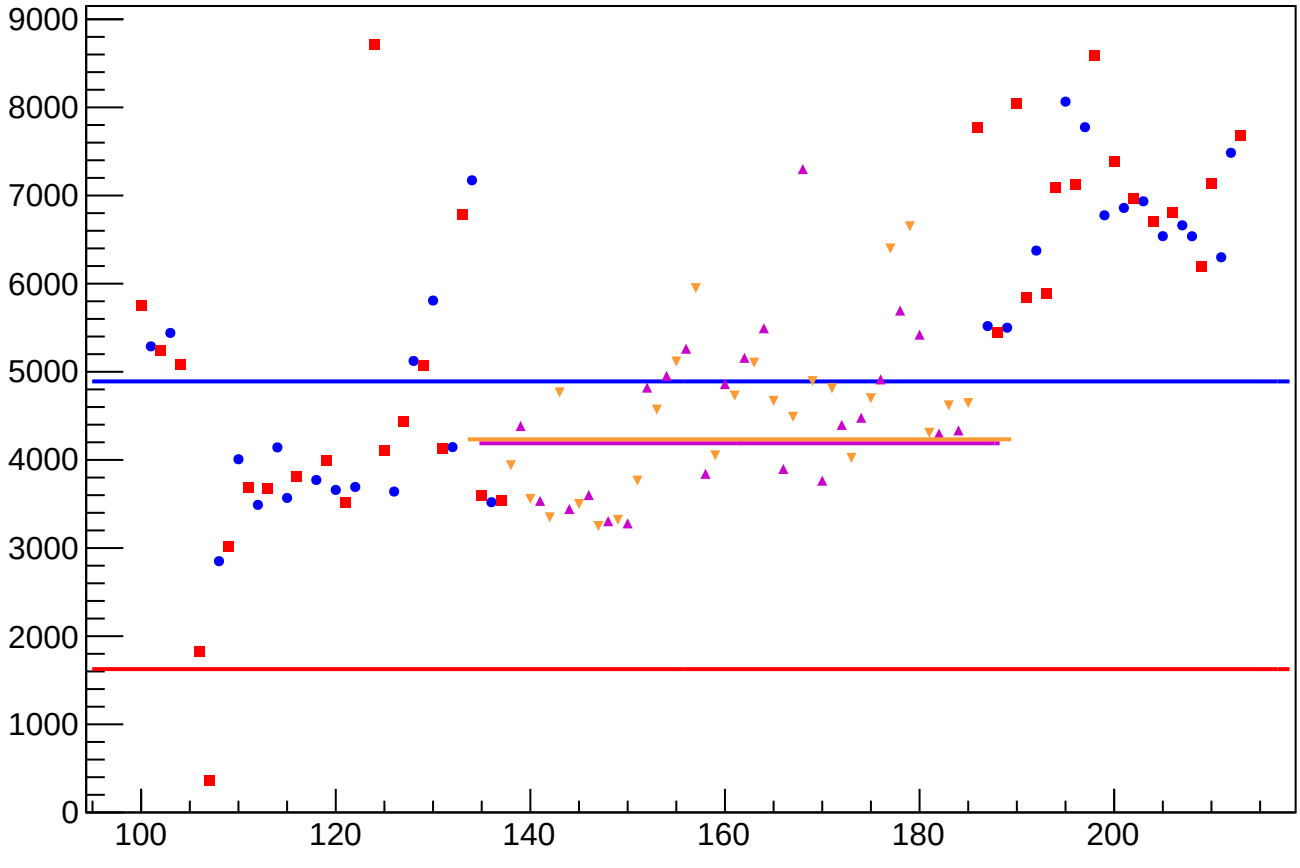
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 625.546+/-557.777 χ^2/NDF: 70.8/62

In: 75.684+/-776.052 χ^2/NDF:42.2/51

Out: 500.892+/-528.197 χ^2/NDF:69.9/58

All: 366.277+/-436.654 χ^2/NDF: 112.3/110



Right In: 4890.751+/-0.870 χ^2/NDF: 3080015.6/28

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

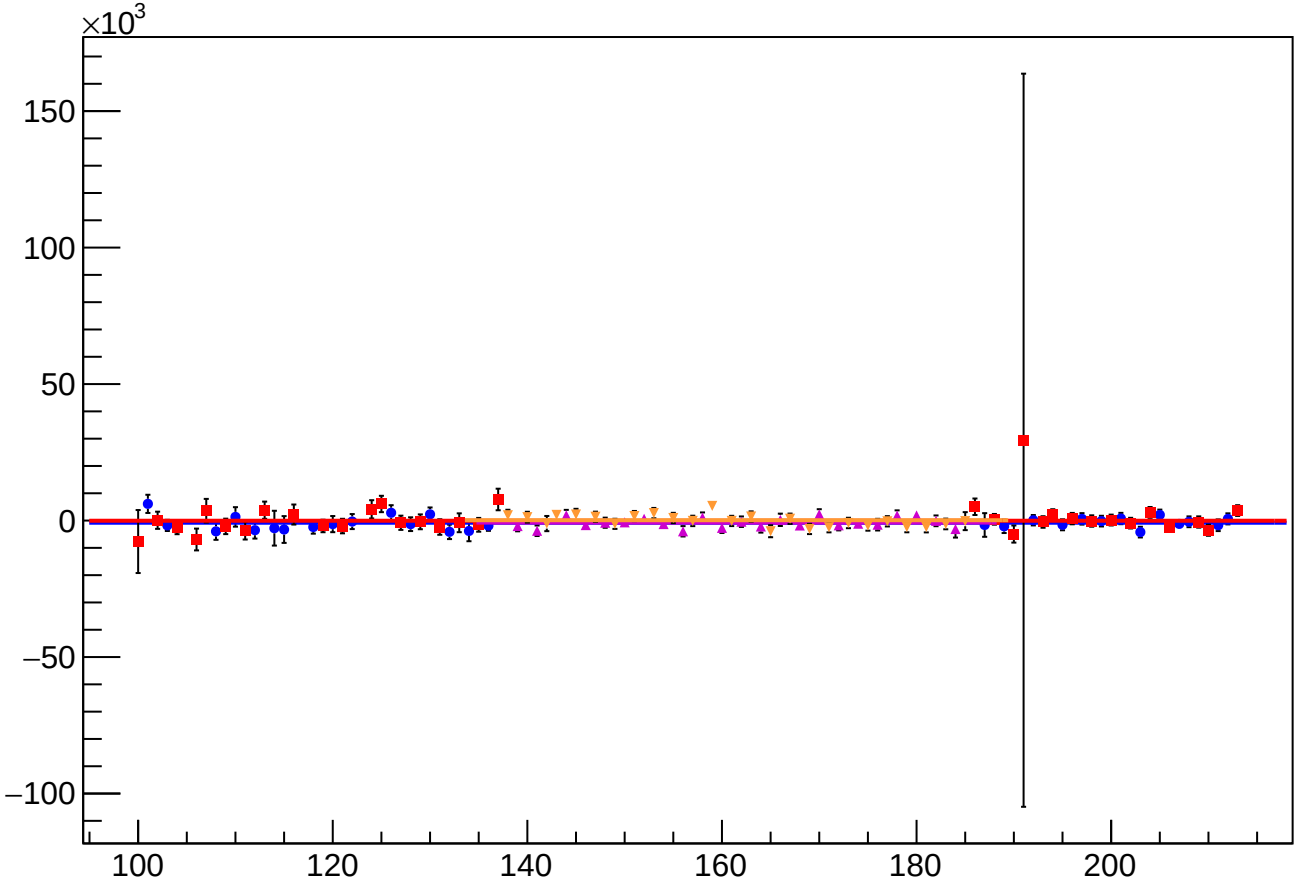
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2297.367+/-0.394 χ^2/NDF: 38573304.7/62

In: 4468.131+/-0.549 χ^2/NDF:4816542.7/51

Out: 2376.252+/-0.373 χ^2/NDF:35577852.4/58

All: 3038.514+/-0.309 χ^2/NDF: 50325672.0/1



Right In: -791.143+/-444.553 χ^2/NDF: 21.2/28

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

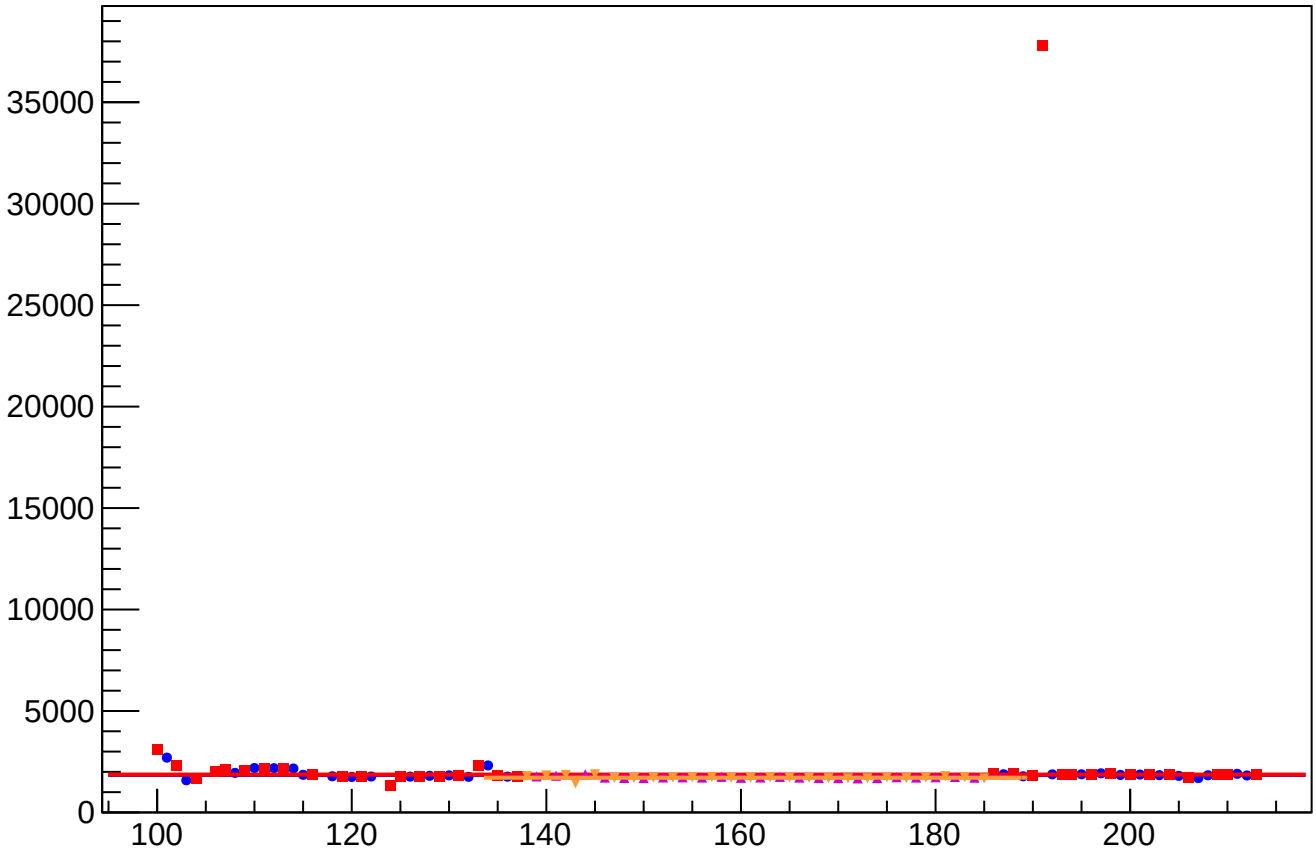
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -418.386+/-310.500 χ^2/NDF: 61.9/62

In: -763.794+/-299.048 χ^2/NDF:40.2/51

Out: 38.173+/-289.822 χ^2/NDF:69.1/58

All: -350.249+/-208.120 χ^2/NDF: 113.0/110



Right In: 1849.473+/-0.314 χ^2/NDF: 280652.9/28

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

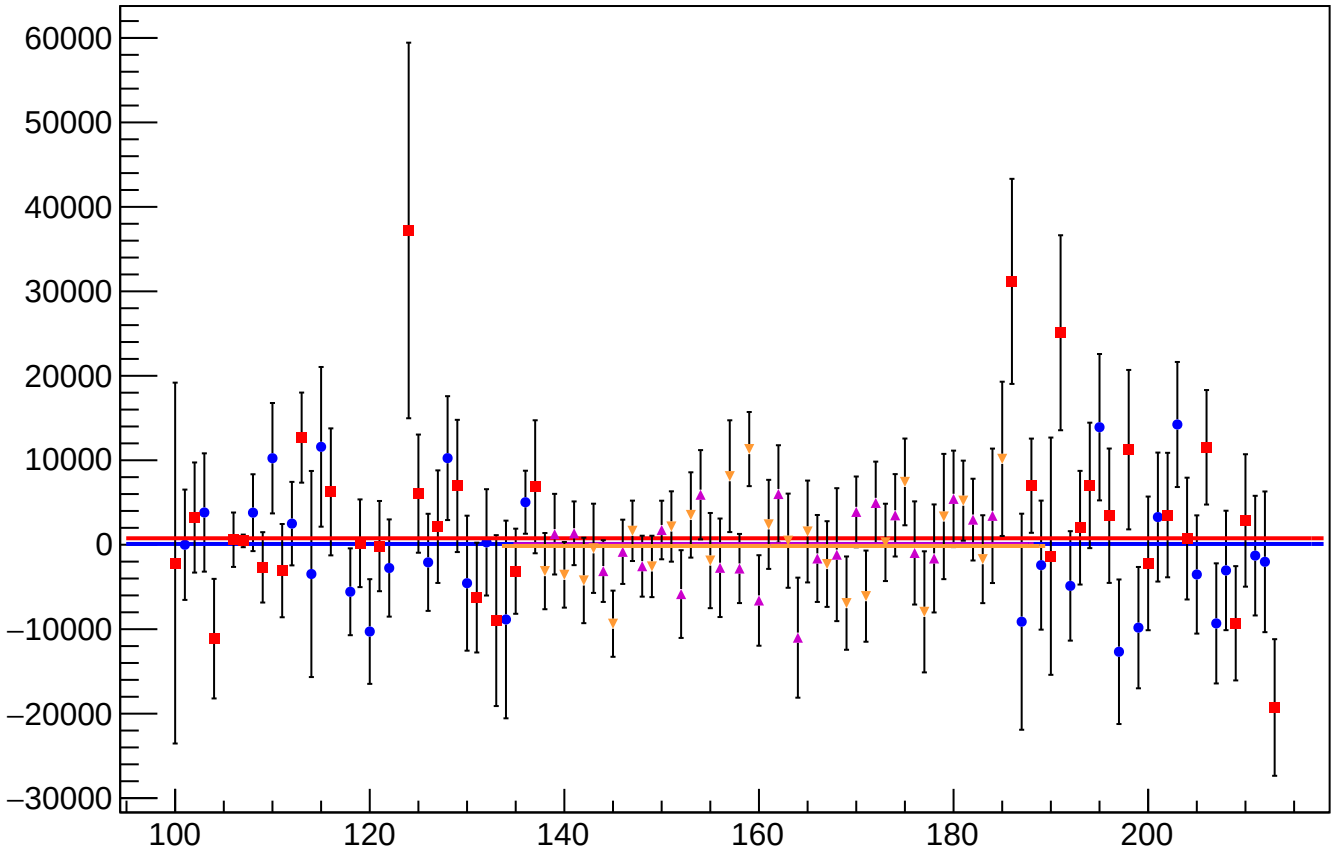
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1857.627+/-0.220 χ^2/NDF: 712556.3/62

In: 1784.251+/-0.211 χ^2/NDF:382360.8/51

Out: 1780.640+/-0.205 χ^2/NDF:662910.2/58

All: 1782.389+/-0.147 χ^2/NDF: 1045421.3/11



Right In: 91.587+/-1230.322 χ^2/NDF: 28.2/28

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

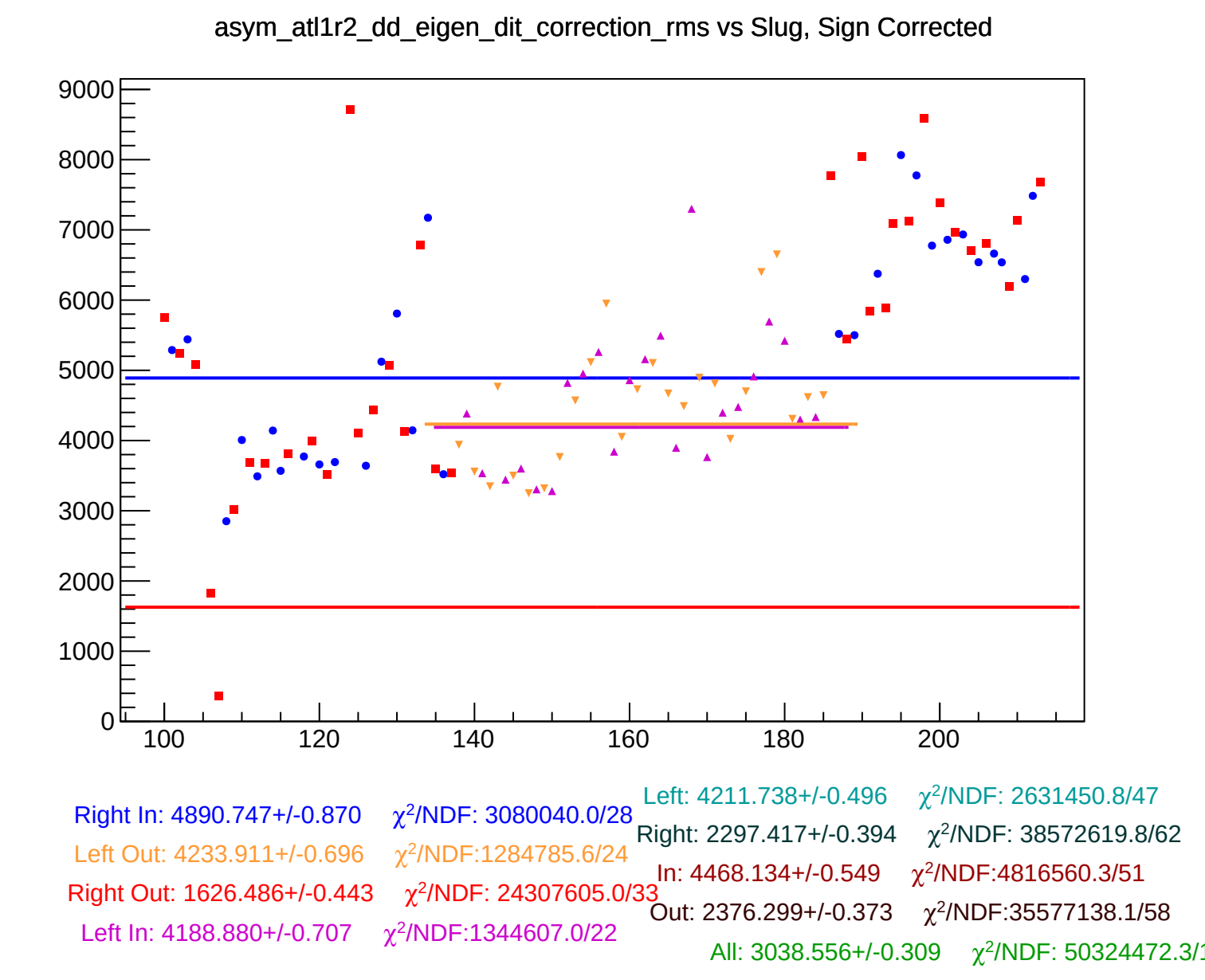
Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

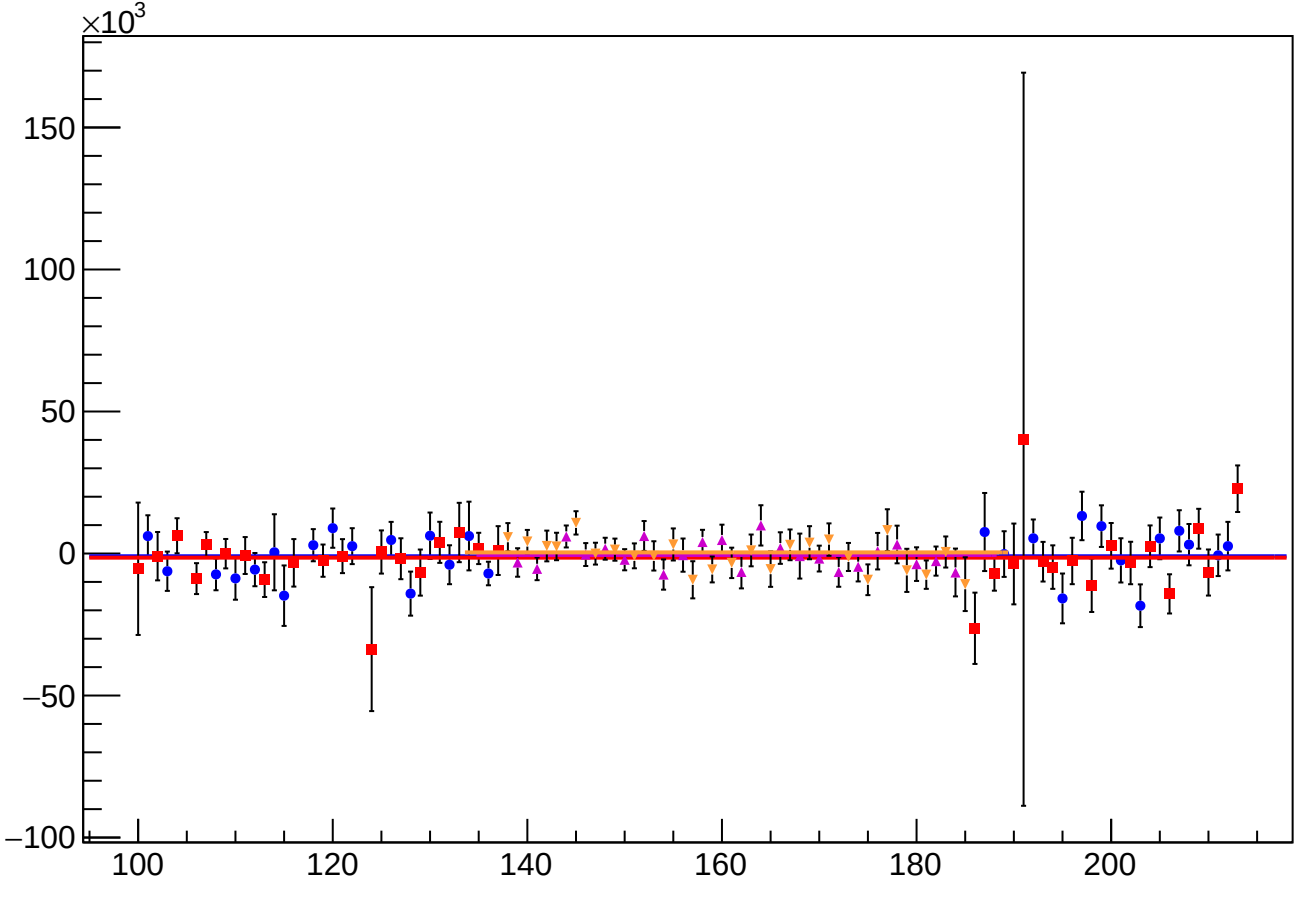
Right: 625.552+/-557.783 χ^2/NDF: 70.8/62

In: 75.681+/-776.052 χ^2/NDF:42.2/51

Out: 500.897+/-528.203 χ^2/NDF:69.9/58

All: 366.277+/-436.657 χ^2/NDF: 112.3/110


asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 4890.747+/-0.870 χ²/NDF: 3080040.0/28
Left Out: 4233.911+/-0.696 χ²/NDF:1284785.6/24
Right Out: 1626.486+/-0.443 χ²/NDF: 24307605.0/33
Left In: 4188.880+/-0.707 χ²/NDF:1344607.0/22
Left: 4211.738+/-0.496 χ²/NDF: 2631450.8/47
Right: 2297.417+/-0.394 χ²/NDF: 38572619.8/62
In: 4468.134+/-0.549 χ²/NDF:4816560.3/51
Out: 2376.299+/-0.373 χ²/NDF:35577138.1/58
All: 3038.556+/-0.309 χ²/NDF: 50324472.3/1



Right In: -969.082+/-1331.285 χ^2/NDF: 33.4/28

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

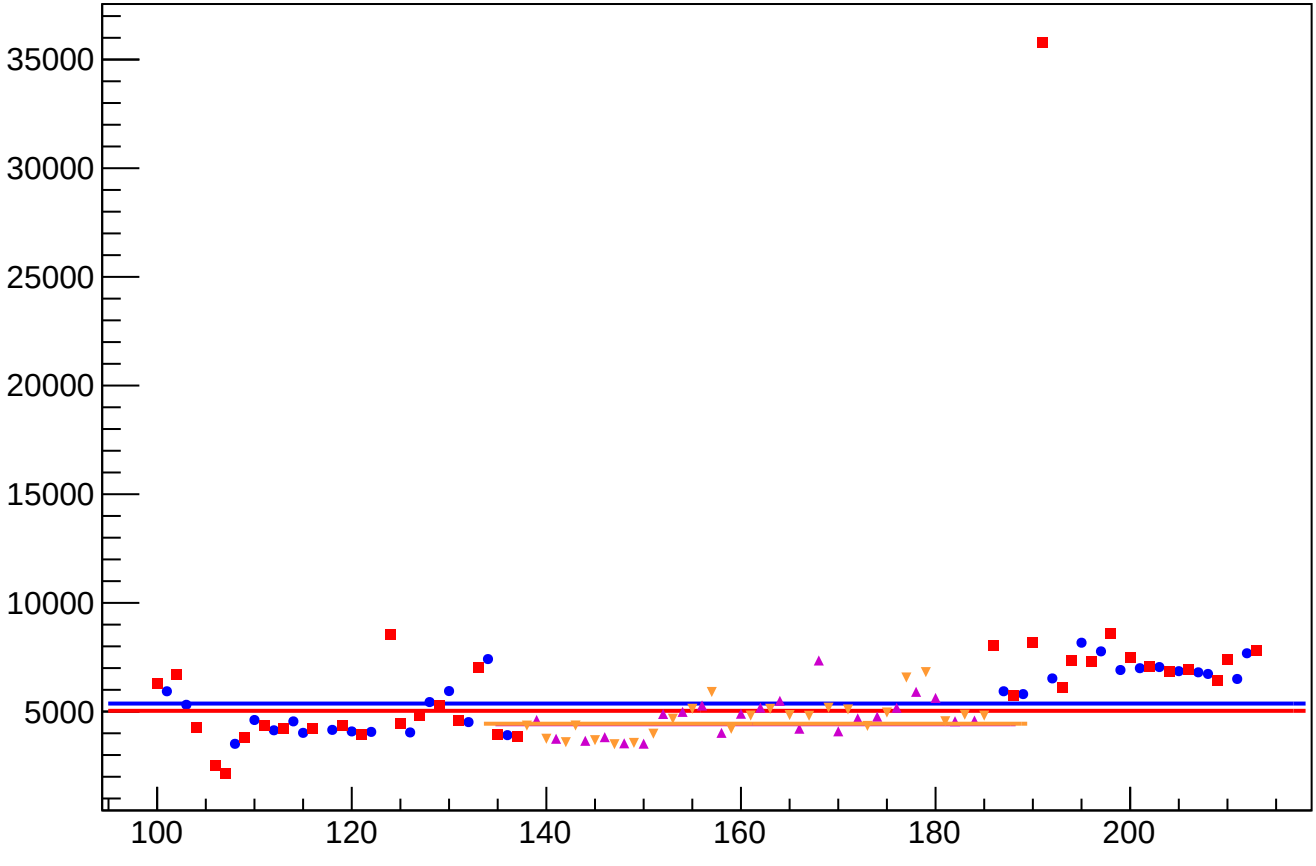
Right: -1227.428+/-909.262 χ^2/NDF: 65.8/62

In: -681.676+/-824.278 χ^2/NDF:50.8/51

Out: -352.797+/-792.856 χ^2/NDF:58.4/58

All: -510.848+/-571.420 χ^2/NDF: 109.3/110

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5368.007+/-0.941 χ^2/NDF: 2189402.9/28

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

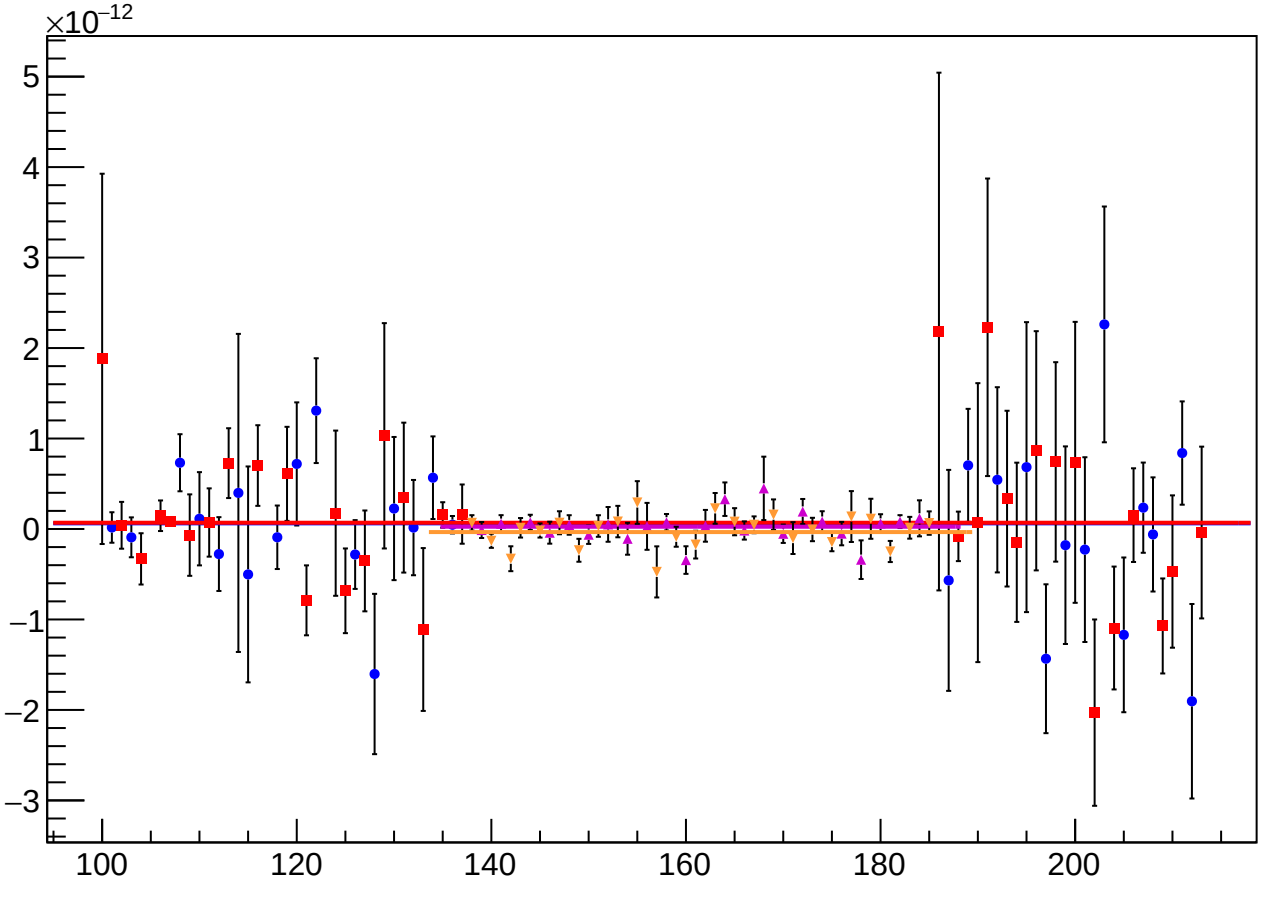
Right: 5188.505+/-0.641 χ^2/NDF: 6446927.6/62

In: 4780.570+/-0.583 χ^2/NDF:3932321.4/51

Out: 4683.123+/-0.559 χ^2/NDF:5534507.5/58

All: 4729.825+/-0.404 χ^2/NDF: 9481384.7/11

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 32.8/28

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

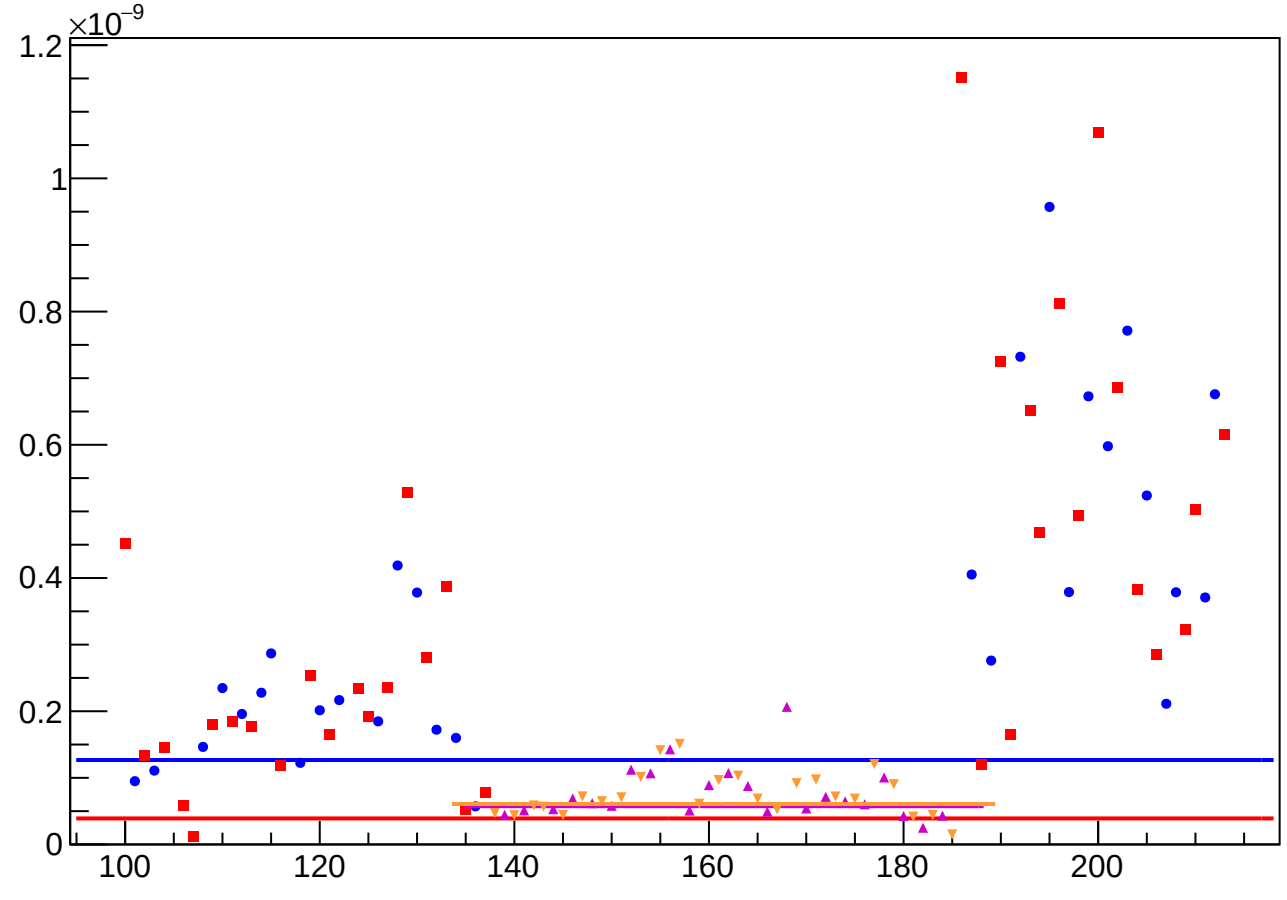
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 68.9/62

In: 0.000+/-0.000 χ^2/NDF:52.4/51

Out: 0.000+/-0.000 χ^2/NDF:70.8/58

All: 0.000+/-0.000 χ^2/NDF: 124.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 6635051.9/28

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

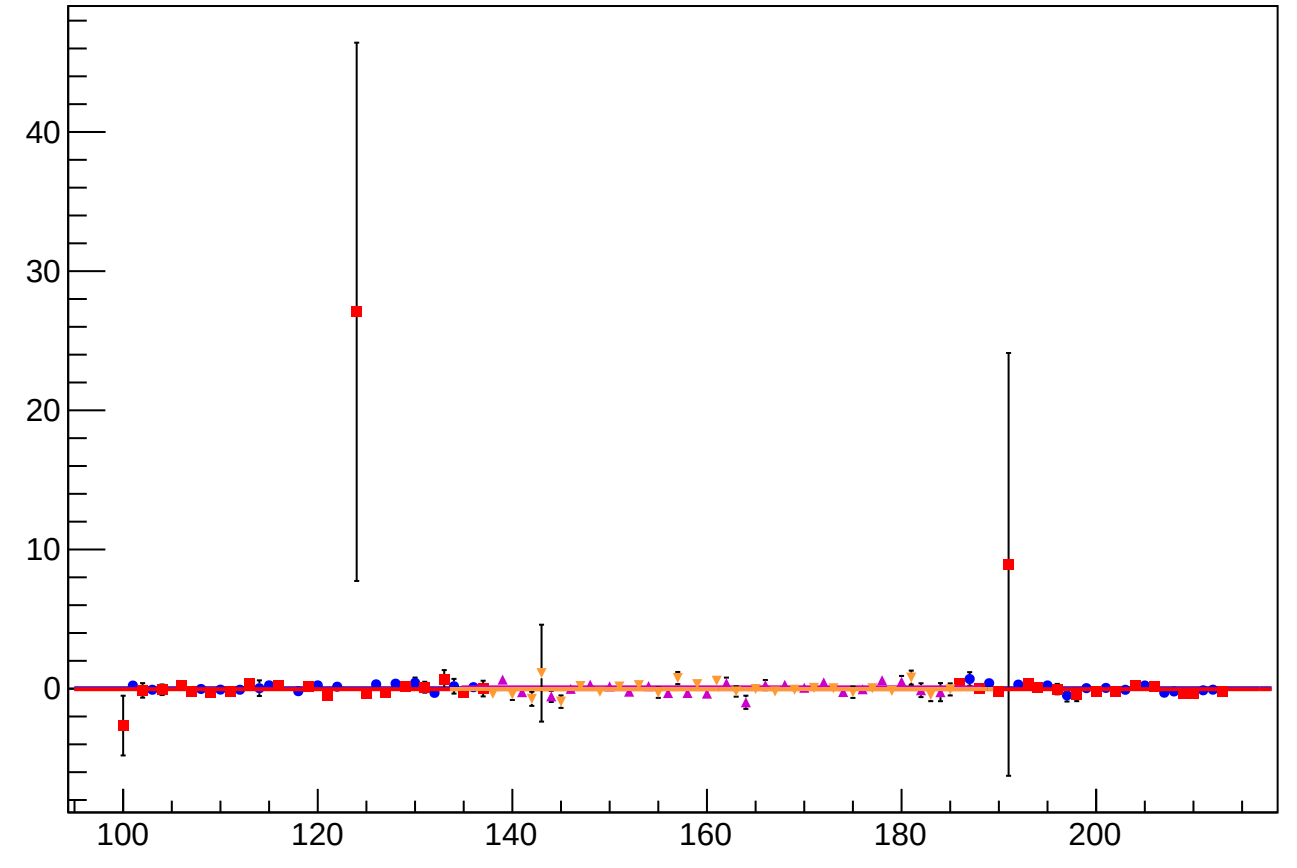
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 21801959.0/62

In: 0.000+/-0.000 χ^2/NDF:10499450.7/51

Out: 0.000+/-0.000 χ^2/NDF:14554251.0/58

All: 0.000+/-0.000 χ^2/NDF: 25431889.5/110



Right In: 0.029+/-0.048 χ^2/NDF: 20.7/28

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

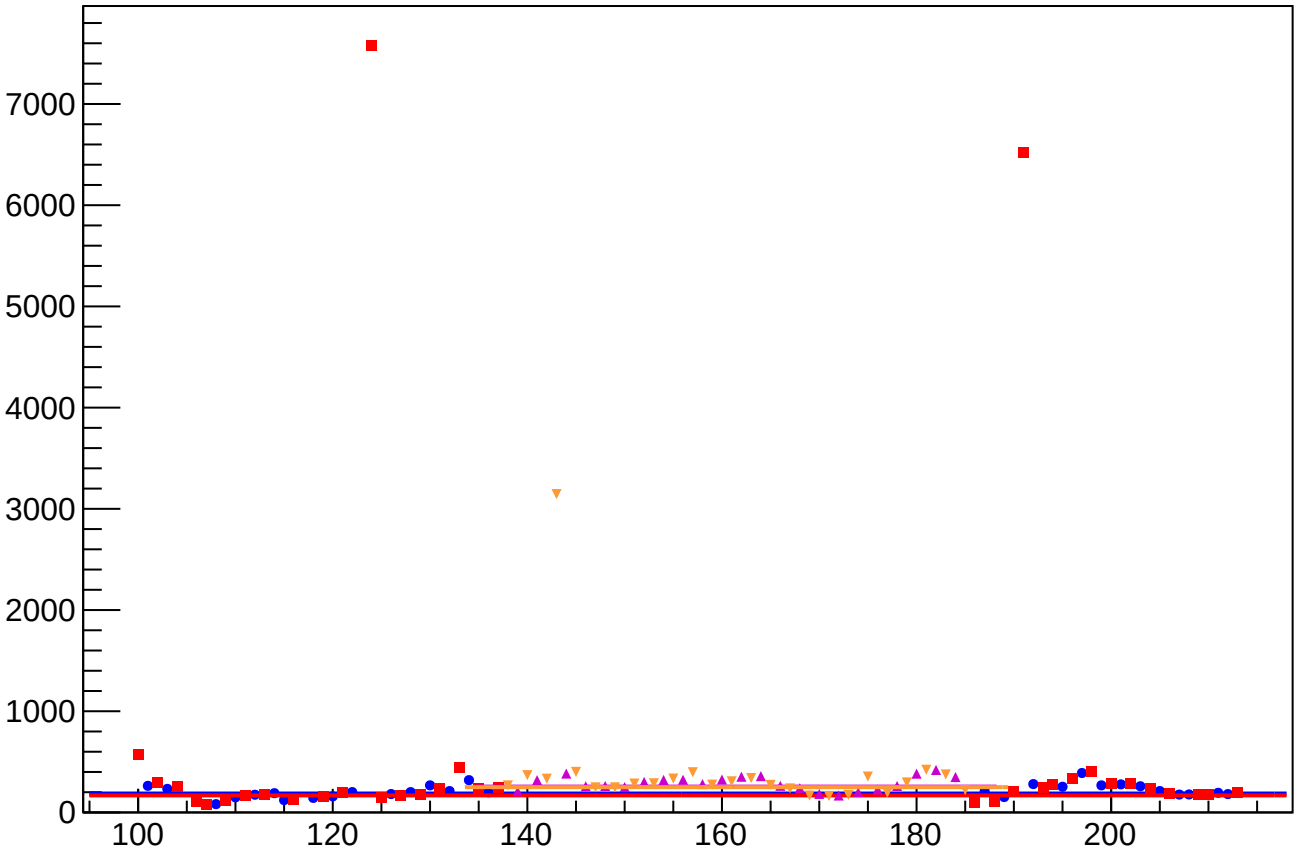
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.008+/-0.032 χ^2/NDF: 57.9/62

In: 0.053+/-0.038 χ^2/NDF:52.9/51

Out: -0.033+/-0.036 χ^2/NDF:59.8/58

All: 0.007+/-0.026 χ^2/NDF: 115.4/110



Right In: 187.089+/-0.034 χ^2/NDF: 2971196.3/28

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

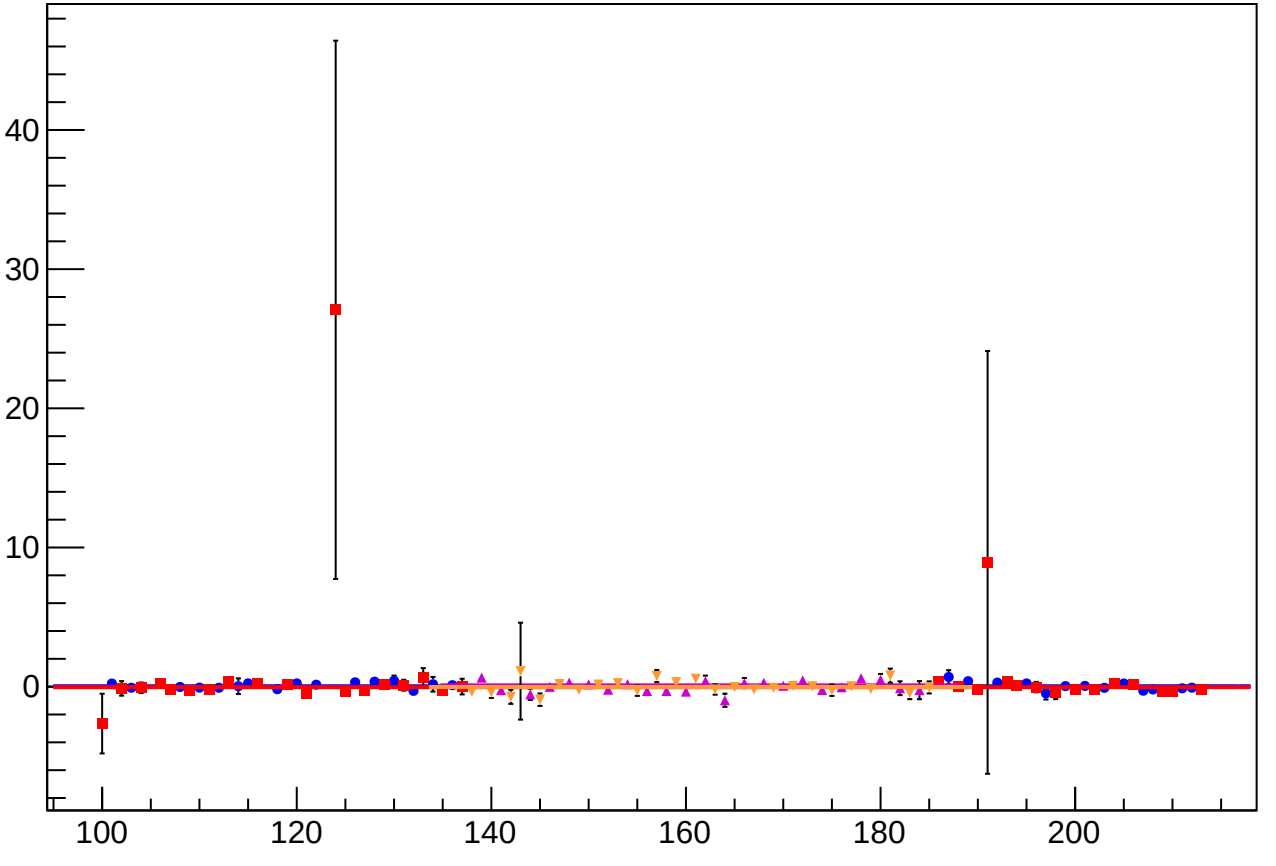
Right: 176.875+/-0.023 χ^2/NDF: 8482473.8/62

In: 212.164+/-0.027 χ^2/NDF:6565340.0/51

Out: 195.548+/-0.025 χ^2/NDF:11907881.1/58

All: 203.255+/-0.018 χ^2/NDF: 18676106.7/11

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.048 χ^2/NDF: 20.7/28

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

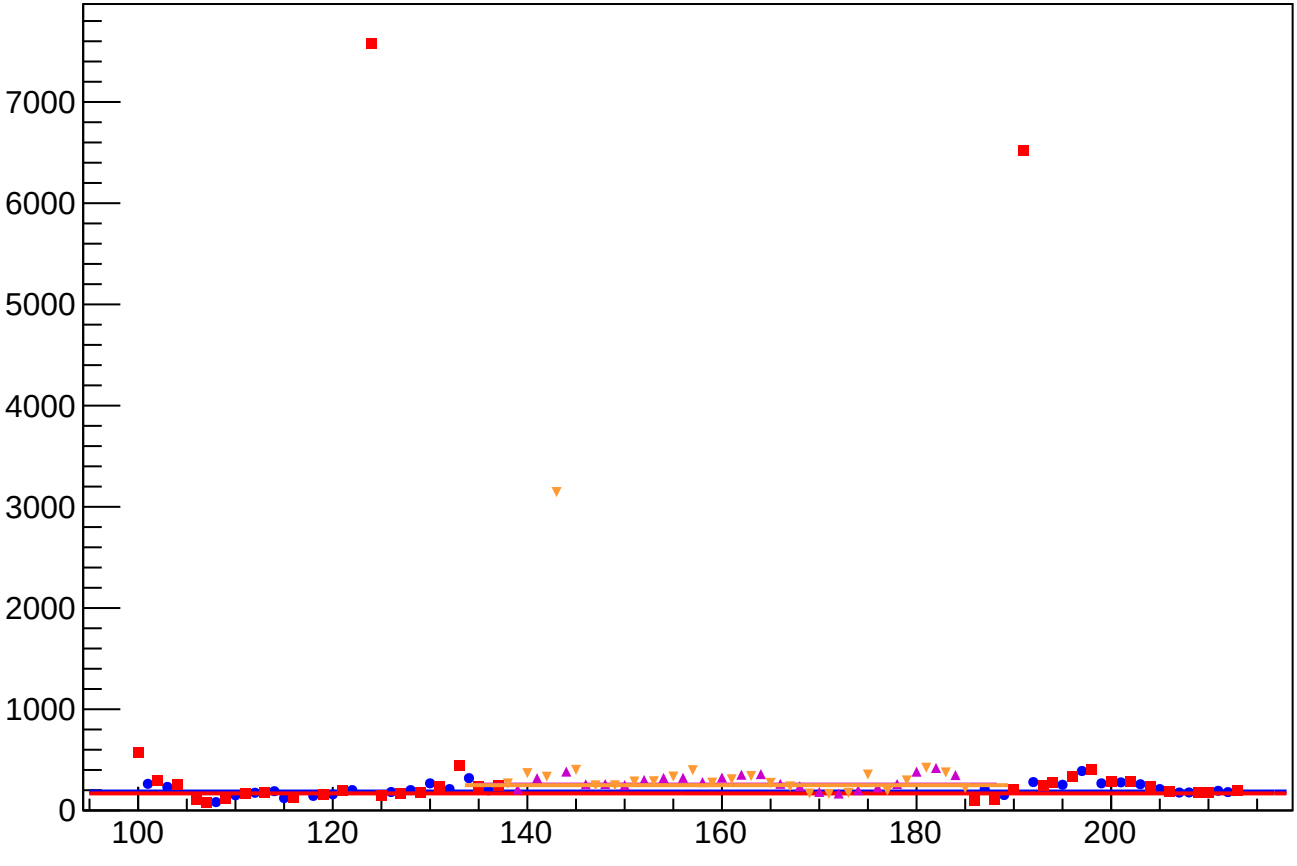
Right: -0.008+/-0.032 χ^2/NDF: 57.9/62

In: 0.053+/-0.038 χ^2/NDF:52.9/51

Out: -0.033+/-0.036 χ^2/NDF:59.8/58

All: 0.007+/-0.026 χ^2/NDF: 115.4/110

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.089+/-0.034 χ^2/NDF: 2971196.3/28

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

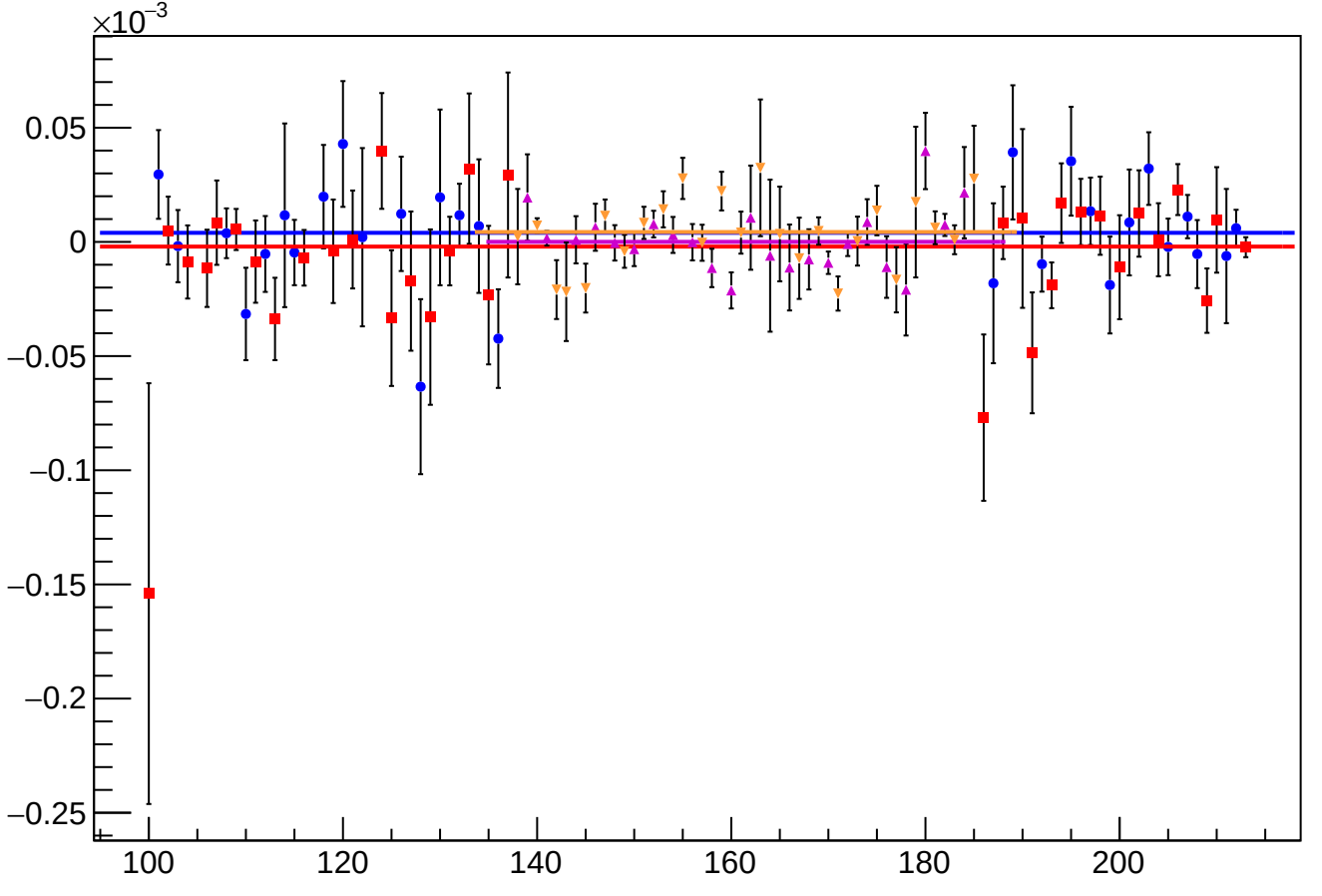
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 176.875+/-0.023 χ^2/NDF: 8482473.8/62

In: 212.164+/-0.027 χ^2/NDF:6565340.0/51

Out: 195.548+/-0.025 χ^2/NDF:11907881.1/58

All: 203.255+/-0.018 χ^2/NDF: 18676106.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/28

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

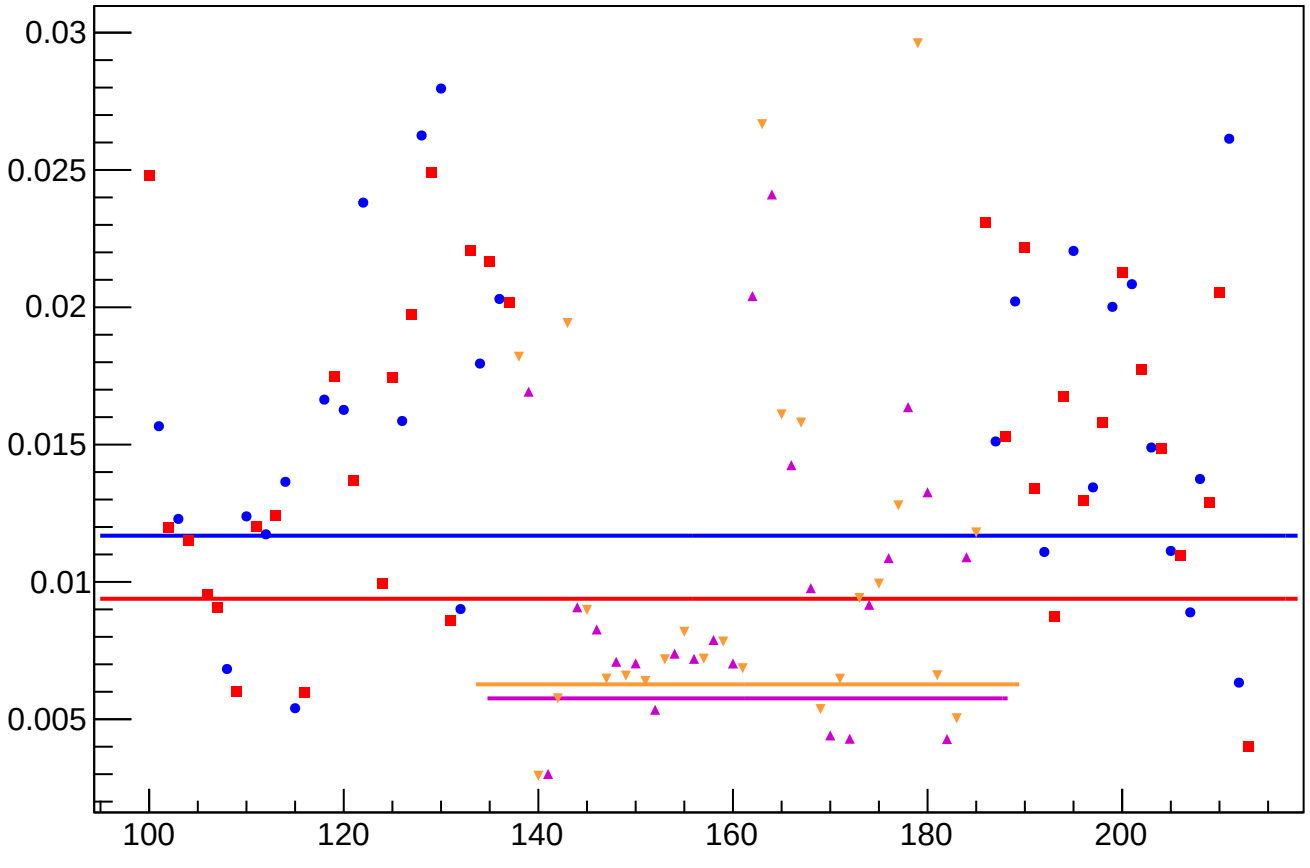
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: 0.000+/-0.000 χ^2/NDF: 66.9/62

In: 0.000+/-0.000 χ^2/NDF:57.7/51

Out: 0.000+/-0.000 χ^2/NDF:87.7/58

All: 0.000+/-0.000 χ^2/NDF: 146.1/110



Right In: 0.012+/-0.000 χ^2/NDF: 5289468.9/28

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 8893295.8/33

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

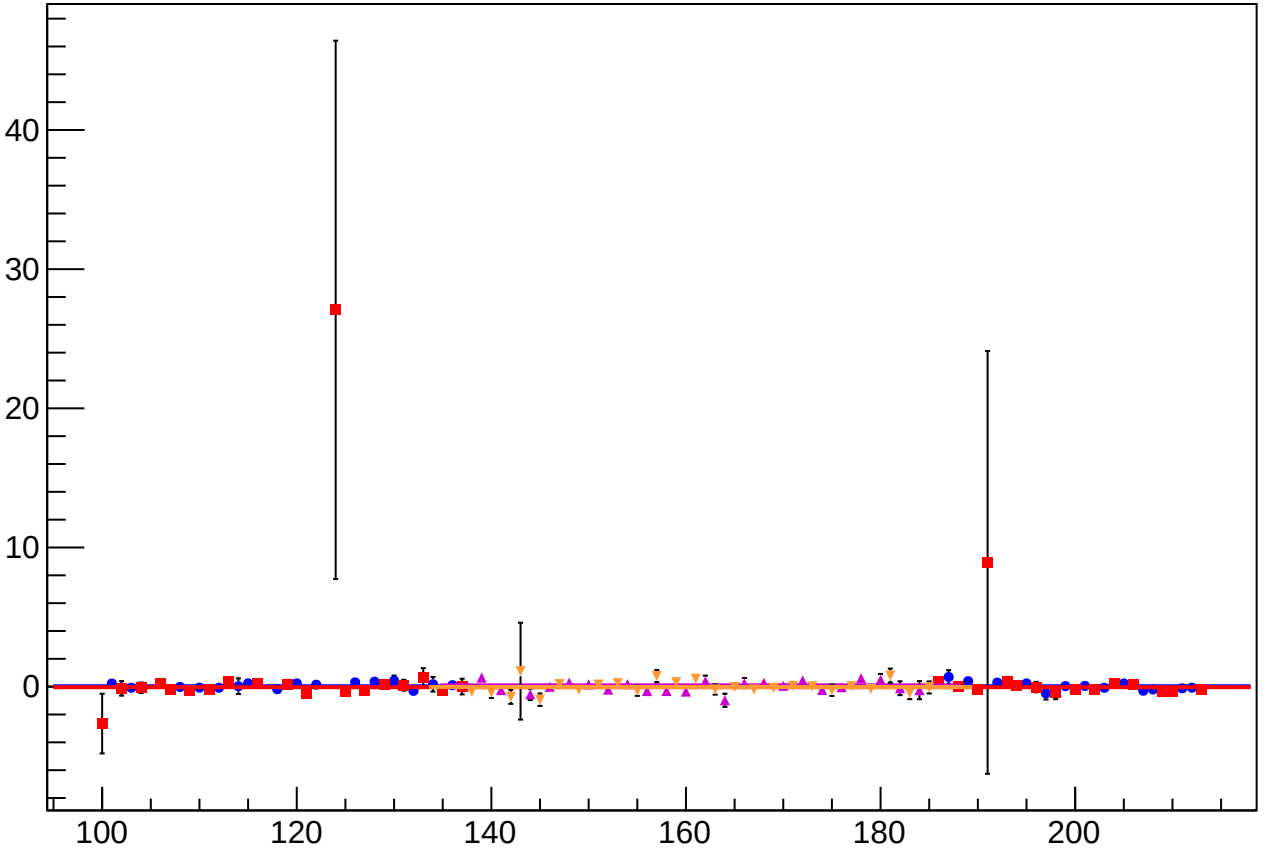
Right: 0.010+/-0.000 χ^2/NDF: 14847463.9/62

In: 0.007+/-0.000 χ^2/NDF:18164494.5/51

Out: 0.007+/-0.000 χ^2/NDF:18965551.8/58

All: 0.007+/-0.000 χ^2/NDF: 37158359.5/110

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.048 χ^2/NDF: 20.7/28

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

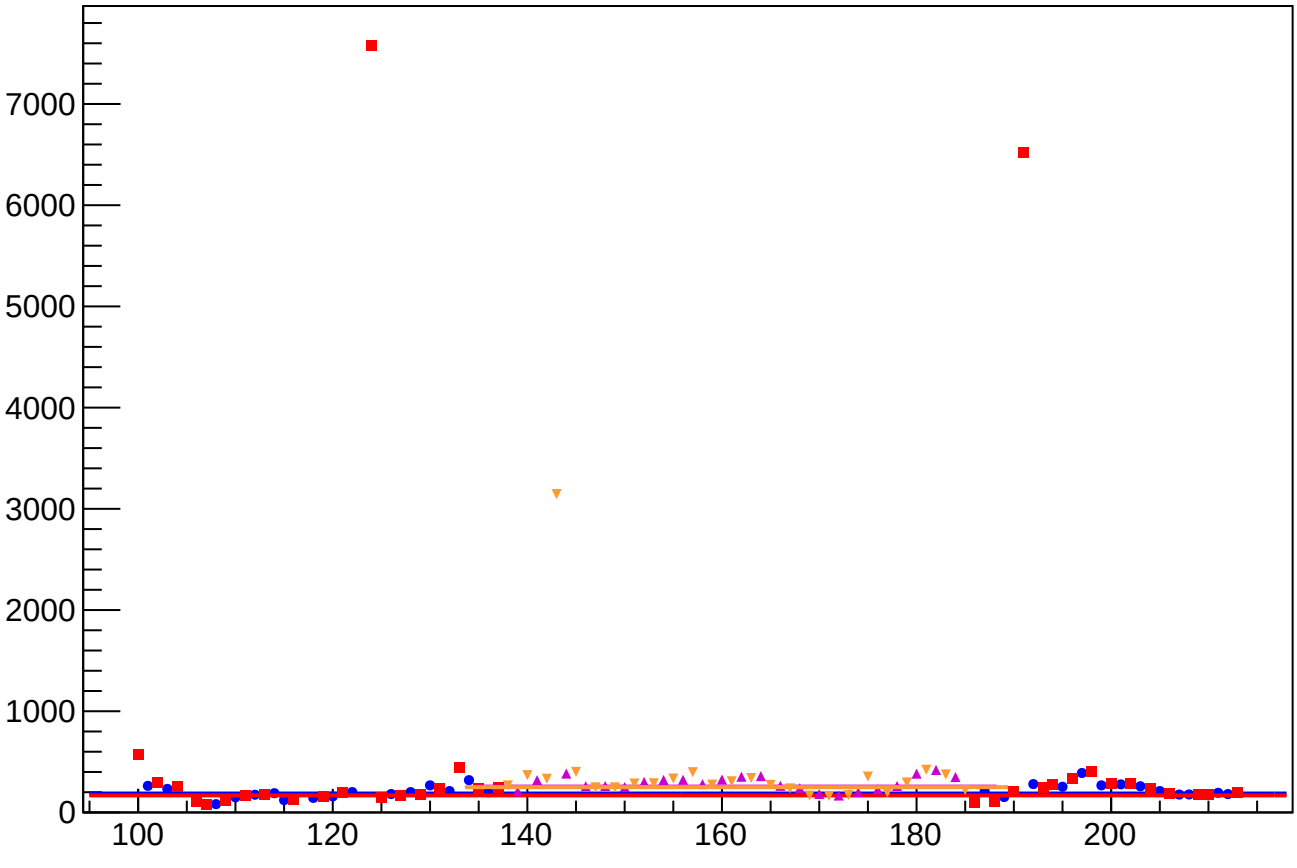
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.008+/-0.032 χ^2/NDF: 57.9/62

In: 0.053+/-0.038 χ^2/NDF:52.9/51

Out: -0.033+/-0.036 χ^2/NDF:59.8/58

All: 0.007+/-0.026 χ^2/NDF: 115.4/110



Right In: 187.088+/-0.034 χ^2/NDF: 2971272.2/28

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

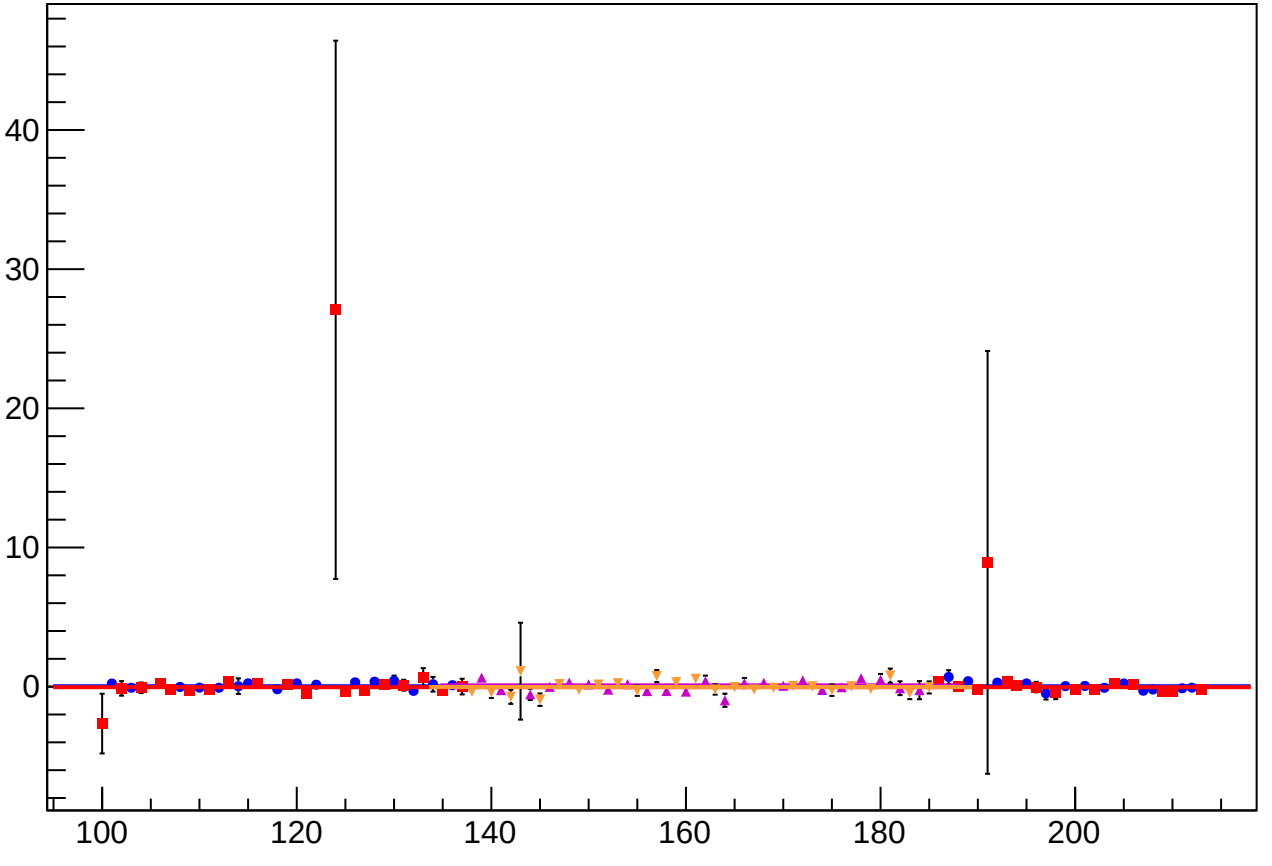
Right: 176.876+/-0.023 χ^2/NDF: 8482364.7/62

In: 212.163+/-0.027 χ^2/NDF:6565570.5/51

Out: 195.550+/-0.025 χ^2/NDF:11907786.2/58

All: 203.256+/-0.018 χ^2/NDF: 18676194.7/1

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.048 χ^2/NDF: 20.7/28

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

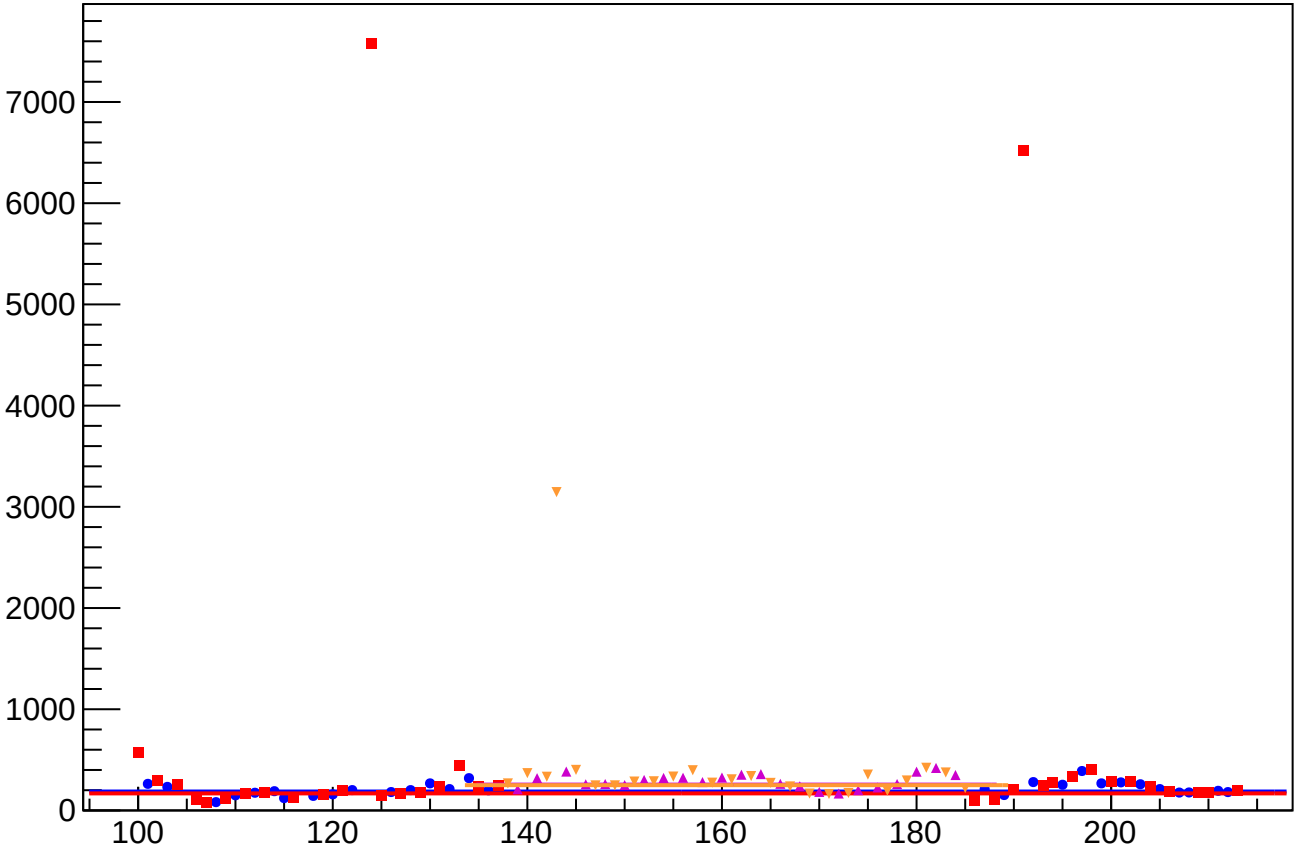
Right: -0.008+/-0.032 χ^2/NDF: 57.9/62

In: 0.053+/-0.038 χ^2/NDF:52.9/51

Out: -0.033+/-0.036 χ^2/NDF:59.8/58

All: 0.007+/-0.026 χ^2/NDF: 115.4/110

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.088+/-0.034 χ^2/NDF: 2971272.2/28

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

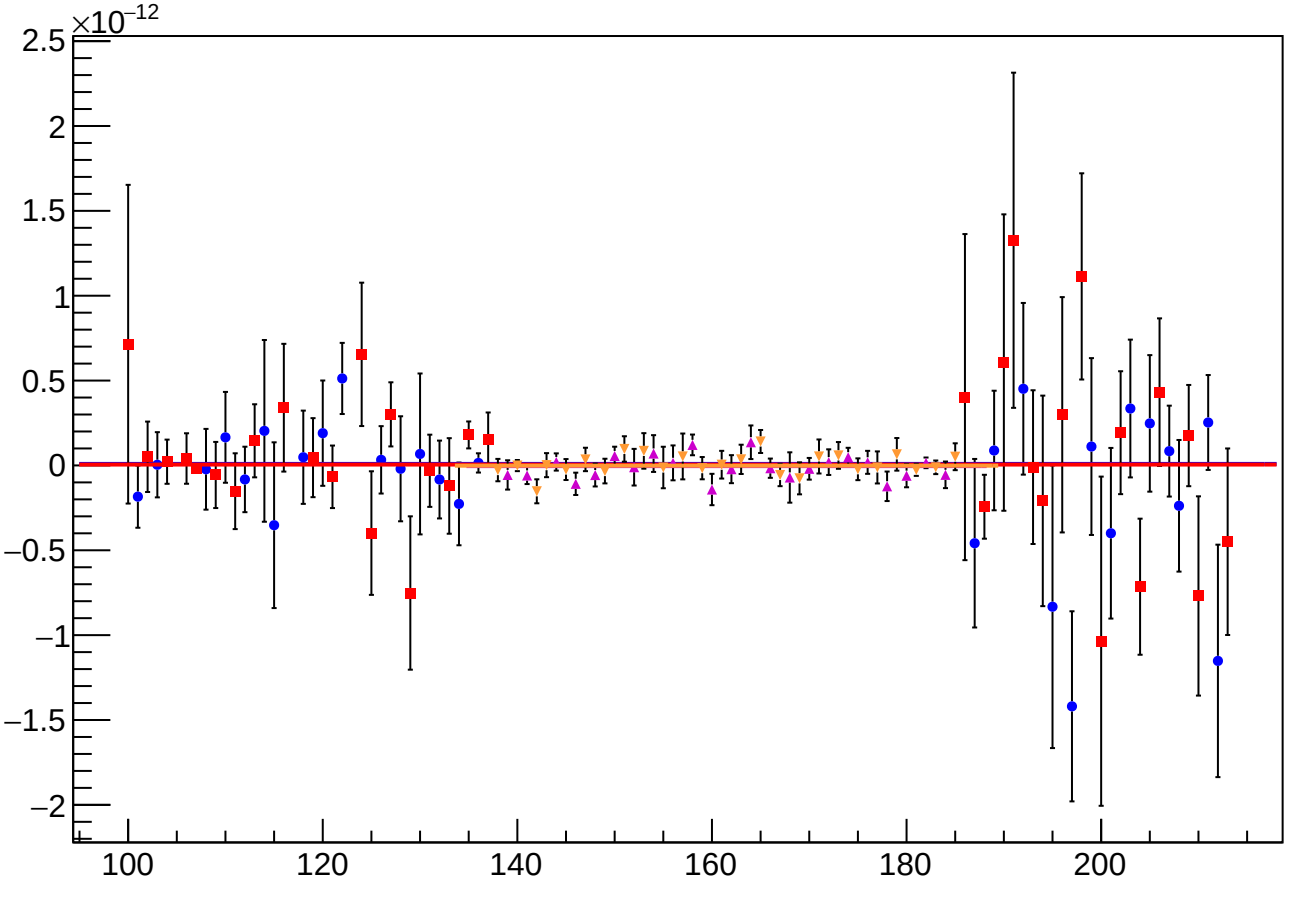
Right: 176.876+/-0.023 χ^2/NDF: 8482364.7/62

In: 212.163+/-0.027 χ^2/NDF:6565570.5/51

Out: 195.550+/-0.025 χ^2/NDF:11907786.2/58

All: 203.256+/-0.018 χ^2/NDF: 18676194.7/1

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/28

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

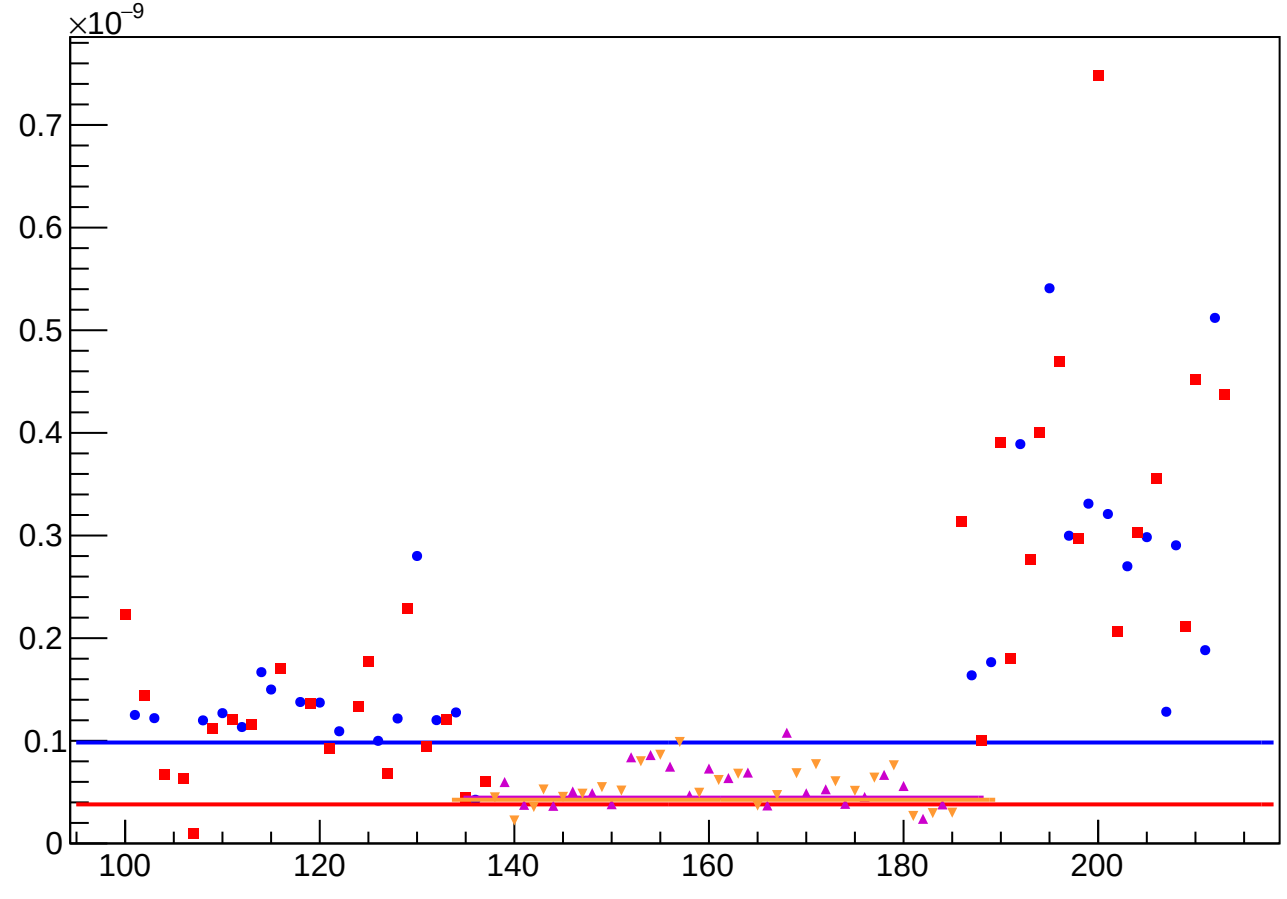
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 59.2/62

In: -0.000+/-0.000 χ^2/NDF:44.7/51

Out: 0.000+/-0.000 χ^2/NDF:51.0/58

All: -0.000+/-0.000 χ^2/NDF: 95.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 7257049.1/28

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15062355.5/33

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

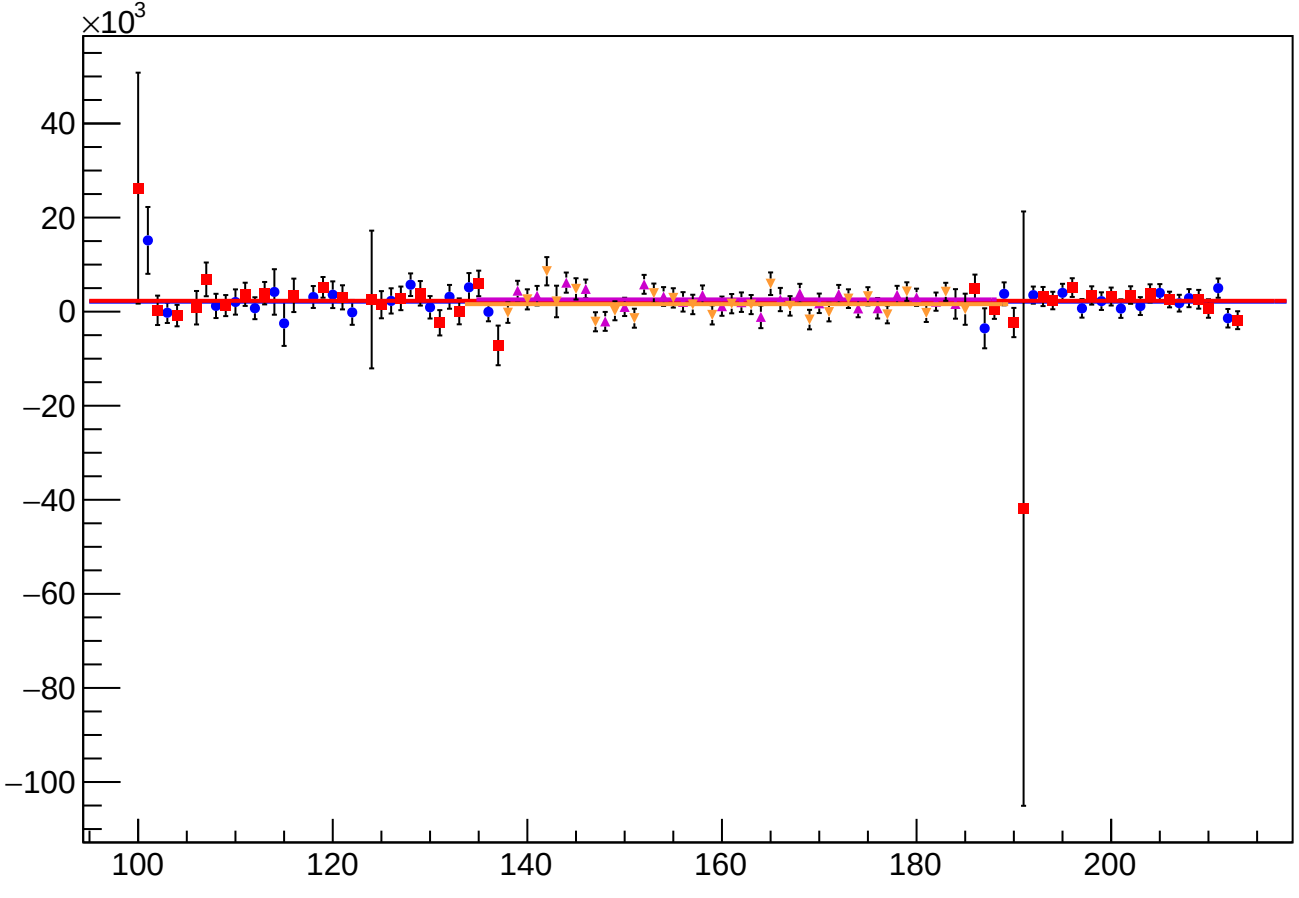
Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

Right: 0.000+/-0.000 χ^2/NDF: 25804518.5/62

In: 0.000+/-0.000 χ^2/NDF:13394932.9/51

Out: 0.000+/-0.000 χ^2/NDF:18772449.7/58

All: 0.000+/-0.000 χ^2/NDF: 32697769.3/110



Right In: 2121.552+/-427.175 χ^2/NDF: 23.6/28

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

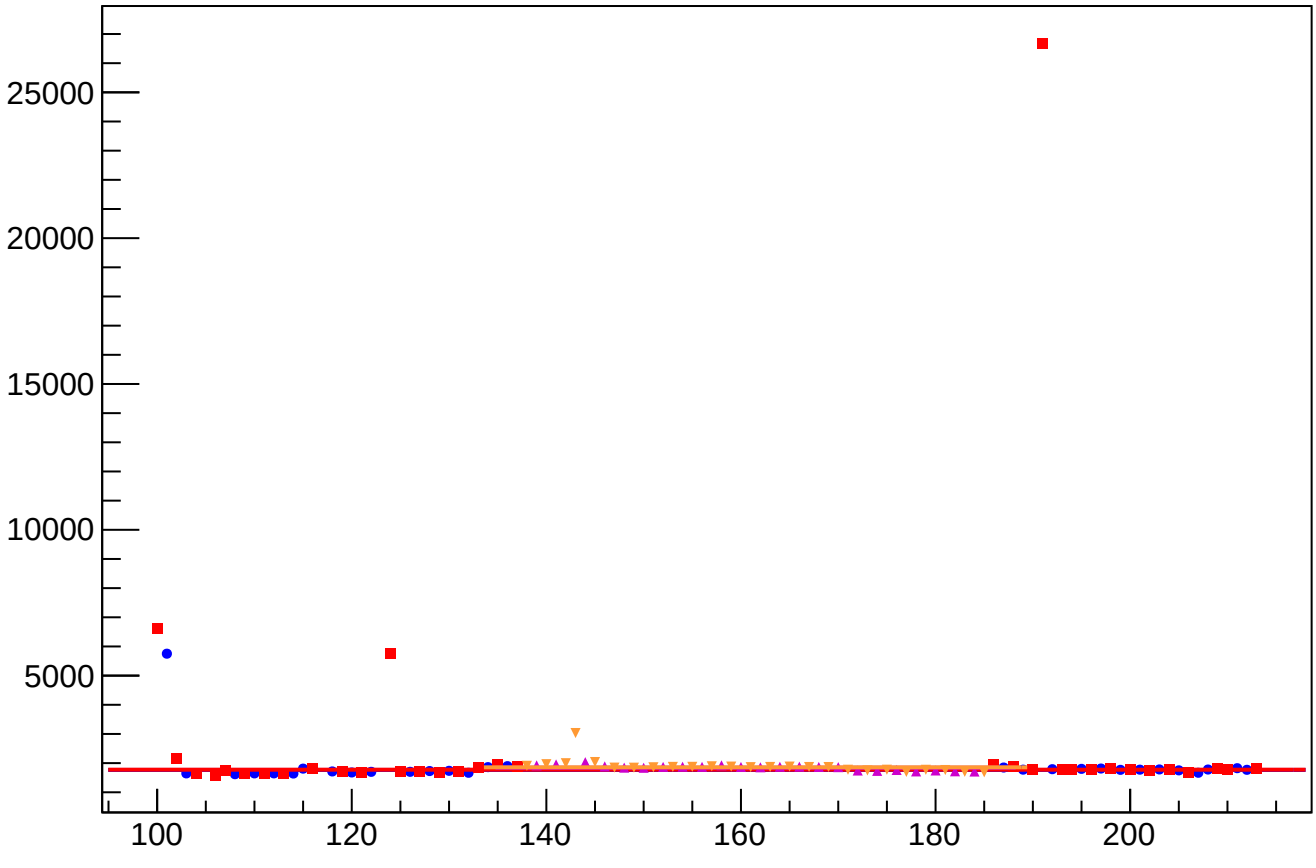
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2215.095+/-297.398 χ^2/NDF: 56.4/62

In: 2357.914+/-303.155 χ^2/NDF:44.3/51

Out: 1955.413+/-296.081 χ^2/NDF:65.4/58

All: 2151.913+/-211.818 χ^2/NDF: 110.6/110



Right In: 1765.427+/-0.302 χ^2/NDF: 682756.1/28

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

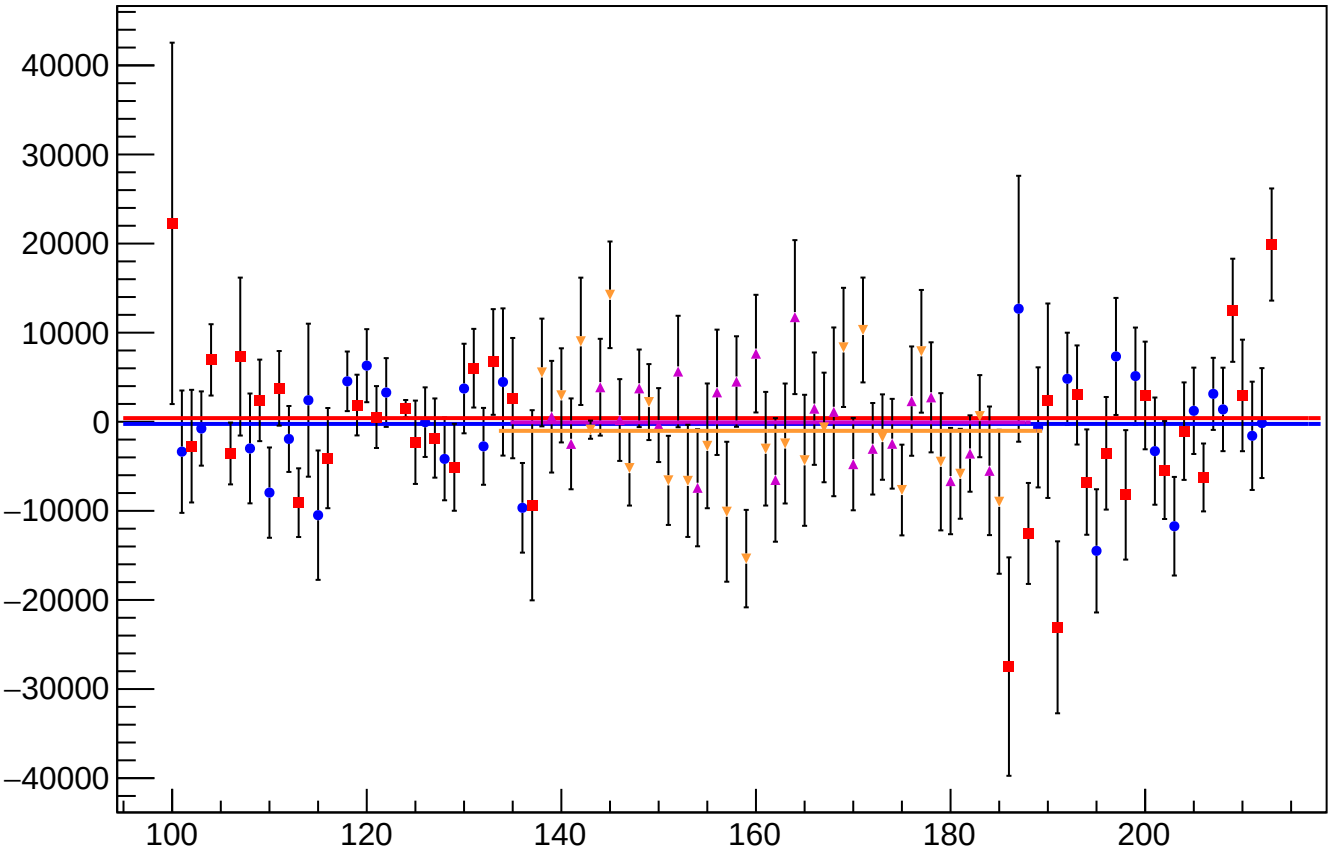
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1769.834+/-0.210 χ^2/NDF: 1331860.2/62

In: 1802.929+/-0.214 χ^2/NDF:784797.1/51

Out: 1813.759+/-0.209 χ^2/NDF:1011033.8/58

All: 1808.480+/-0.150 χ^2/NDF: 1797139.2/11



Right In: -241.768+/-940.939 χ^2/NDF: 29.7/28

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

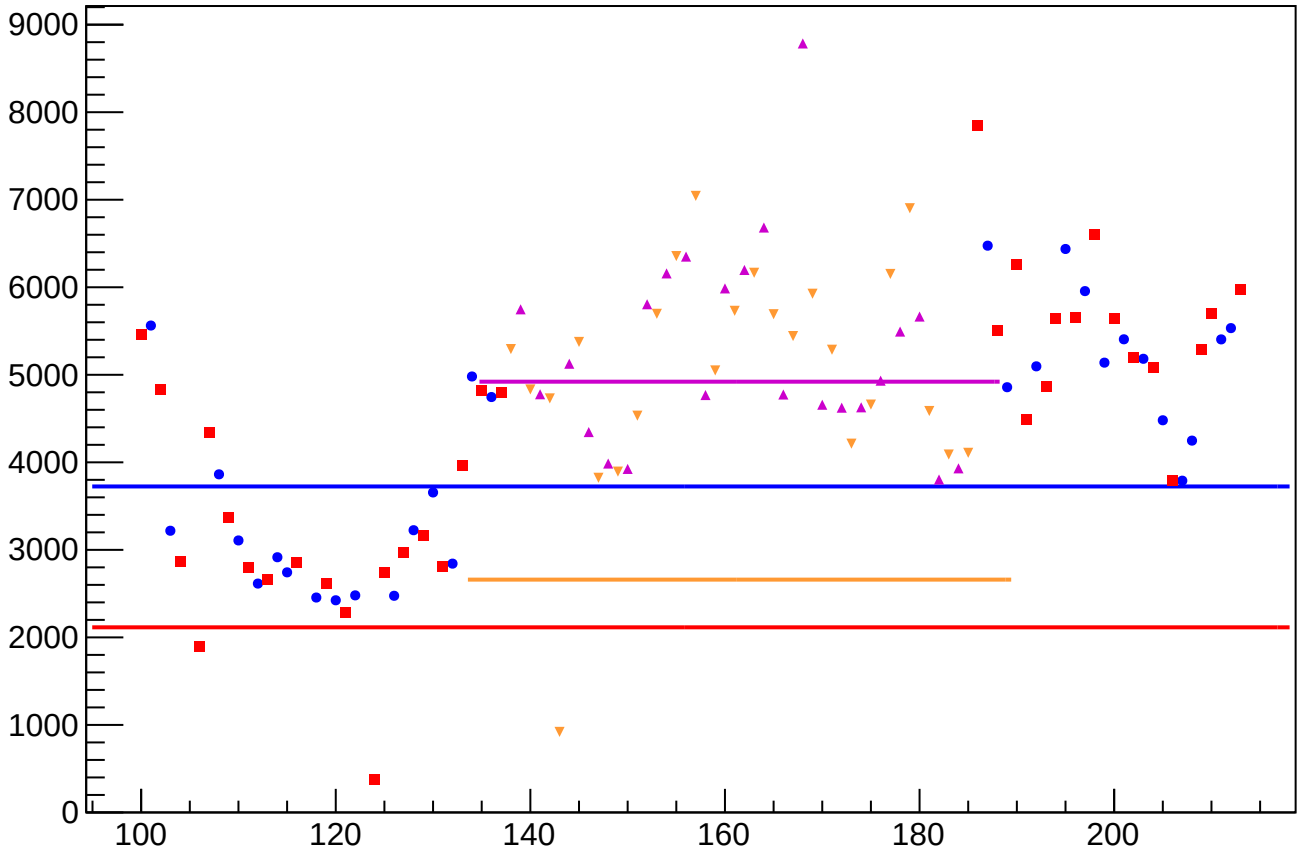
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 194.149+/-539.688 χ^2/NDF: 89.0/62

In: -171.559+/-734.080 χ^2/NDF:42.8/51

Out: -193.522+/-501.094 χ^2/NDF:94.6/58

All: -186.541+/-413.864 χ^2/NDF: 137.4/110



Right In: 3724.365+/-0.665 χ^2/NDF: 3207725.3/28

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

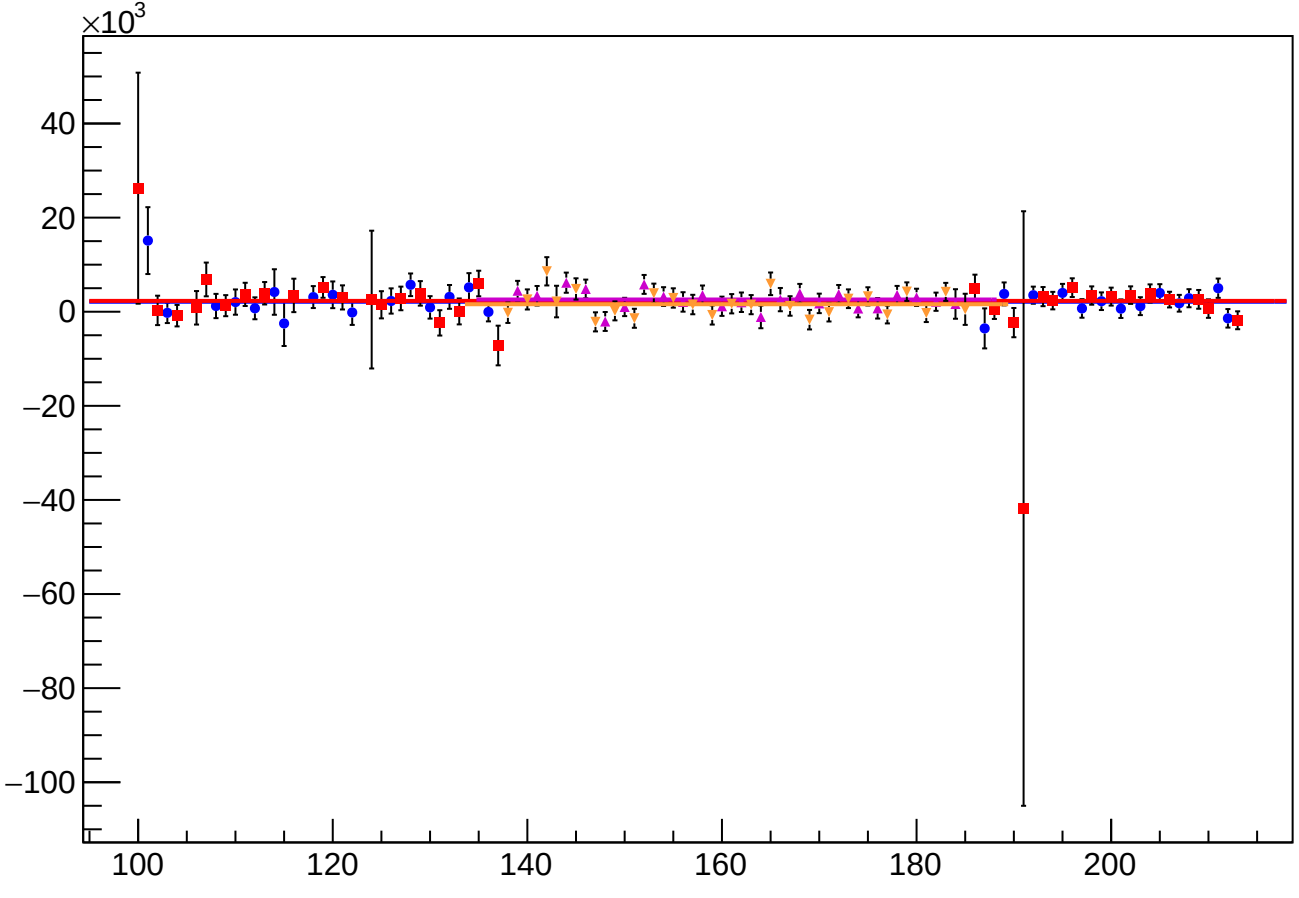
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2644.438+/-0.382 χ^2/NDF: 24068666.9/62

In: 4192.800+/-0.519 χ^2/NDF:5725431.5/51

Out: 2344.727+/-0.354 χ^2/NDF:32047868.6/58

All: 2932.147+/-0.293 χ^2/NDF: 46420163.8/1



Right In: 2121.362+/-427.175 χ^2/NDF: 23.6/28

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

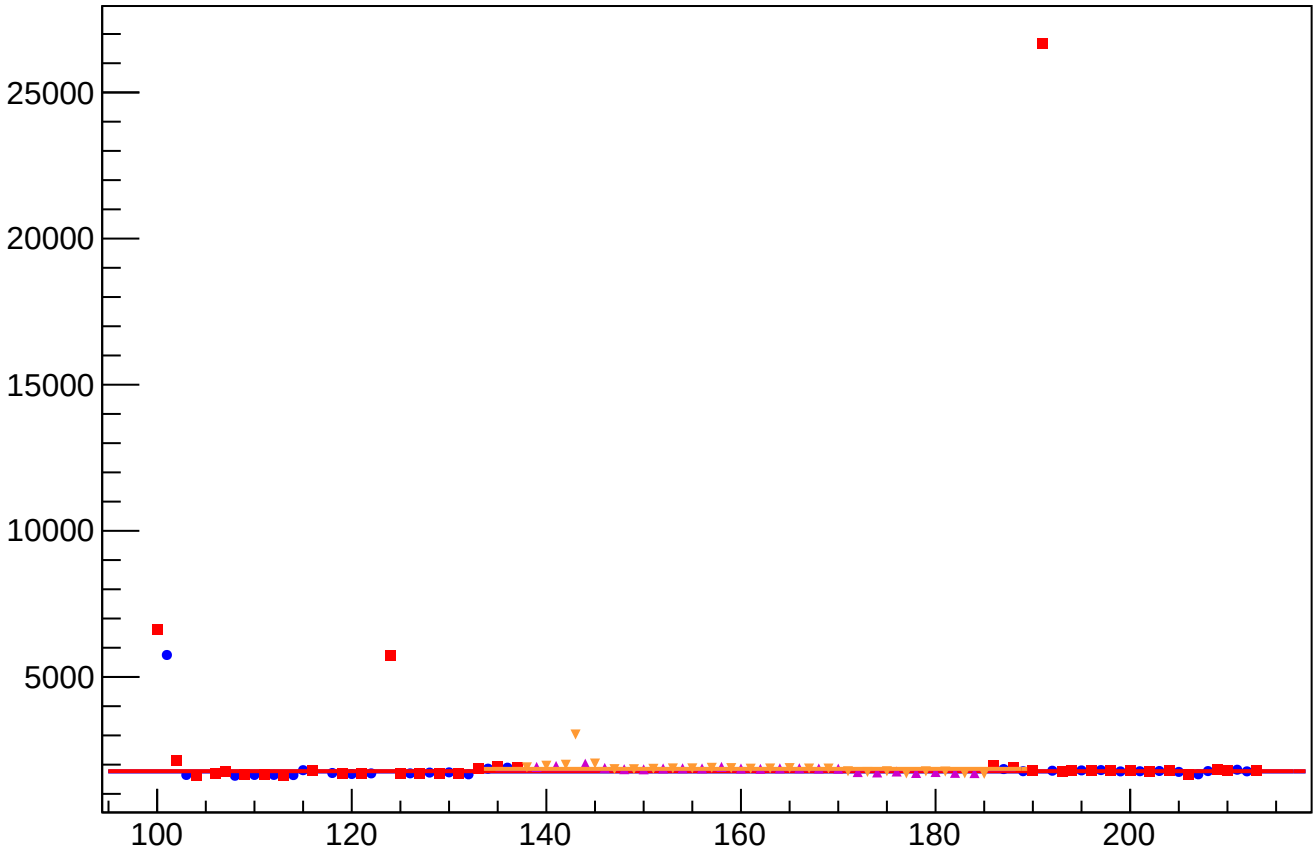
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2215.012+/-297.398 χ^2/NDF: 56.3/62

In: 2357.854+/-303.155 χ^2/NDF:44.3/51

Out: 1955.407+/-296.081 χ^2/NDF:65.4/58

All: 2151.880+/-211.818 χ^2/NDF: 110.5/110



Right In: 1765.427+/-0.302 χ^2/NDF: 682756.3/28

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

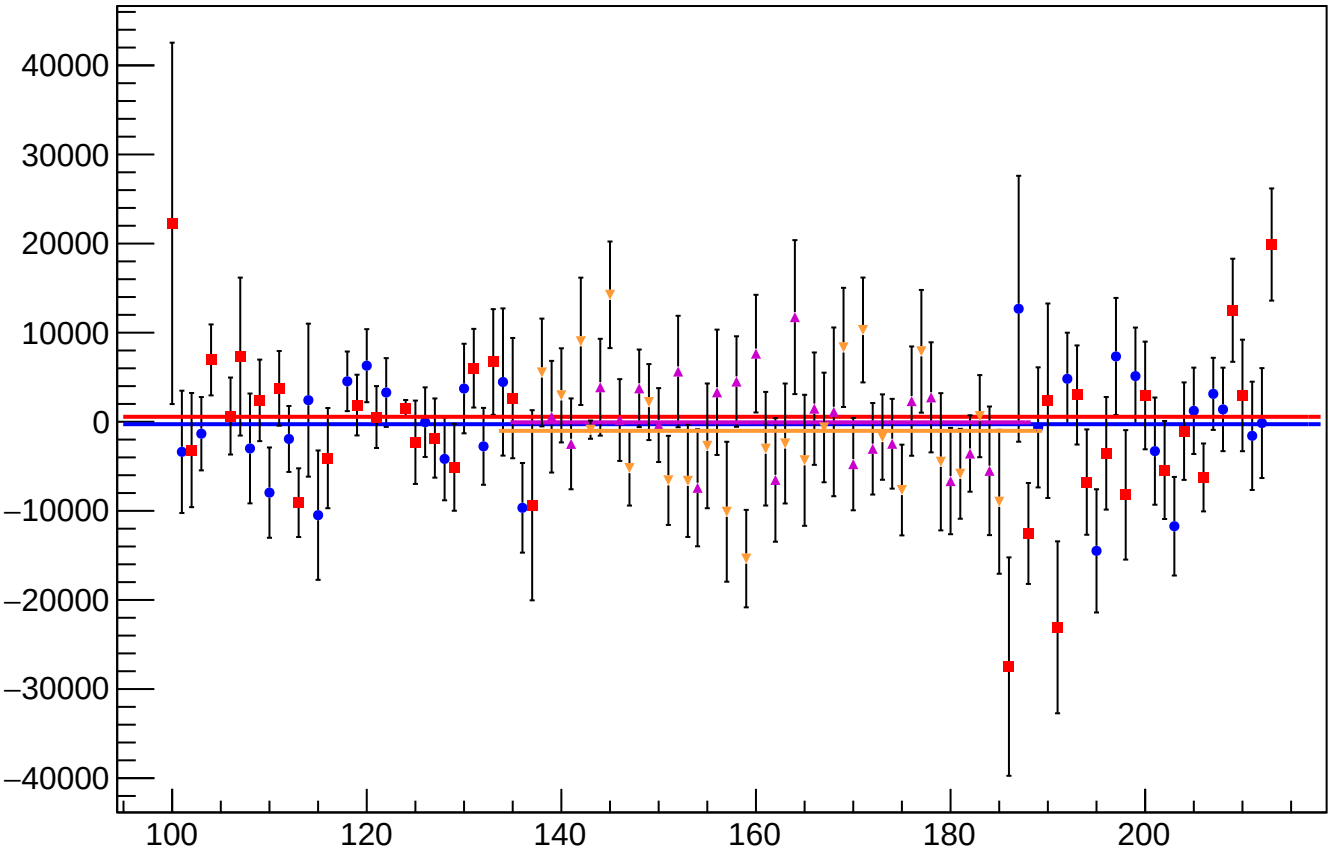
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1771.269+/-0.210 χ^2/NDF: 1323446.7/62

In: 1802.929+/-0.214 χ^2/NDF:784797.5/51

Out: 1815.247+/-0.209 χ^2/NDF:999696.4/58

All: 1809.238+/-0.150 χ^2/NDF: 1786185.0/11



Right In: -273.314+/-940.317 χ^2/NDF: 29.8/28

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

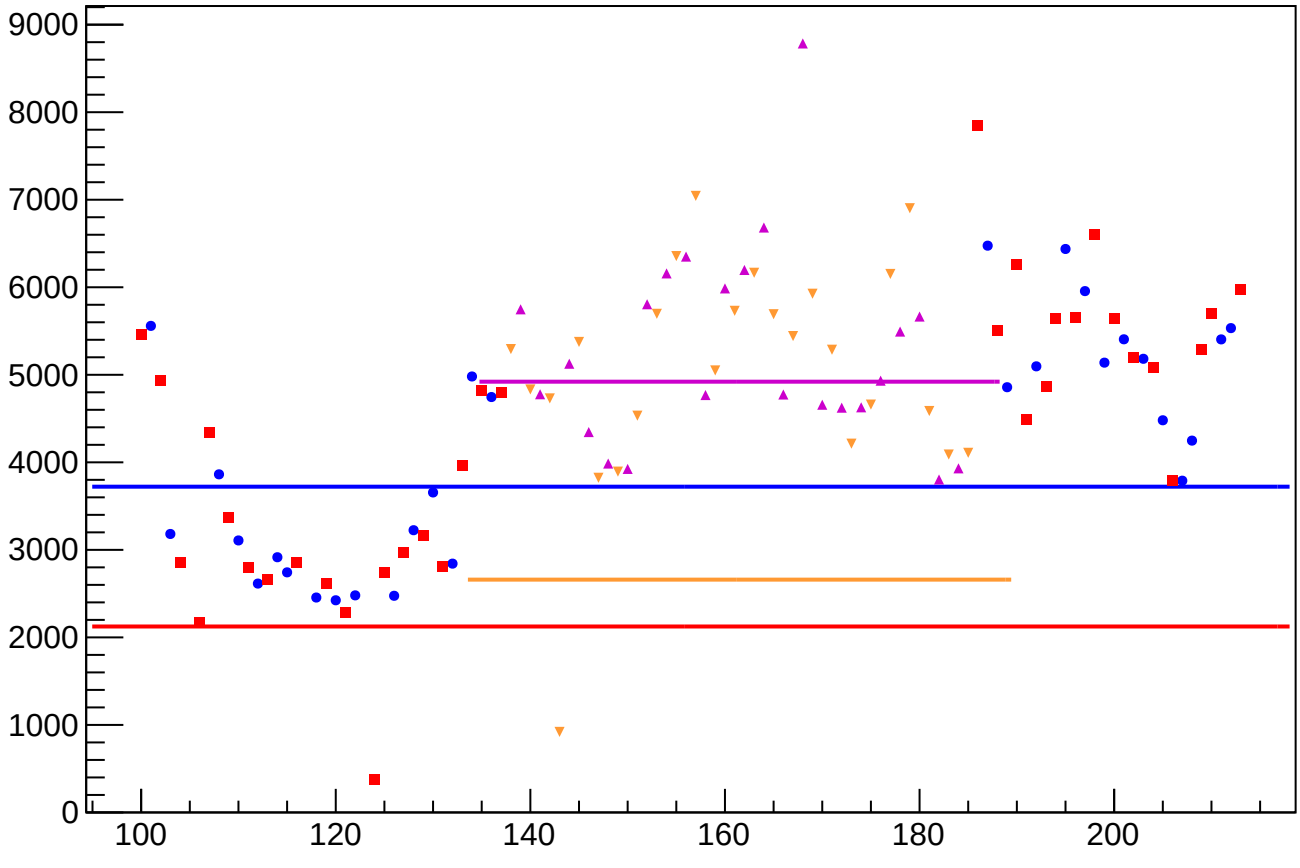
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 280.965+/-541.909 χ^2/NDF: 88.0/62

In: -190.793+/-733.784 χ^2/NDF:42.8/51

Out: -112.400+/-502.961 χ^2/NDF:93.8/58

All: -137.458+/-414.861 χ^2/NDF: 136.6/110



Right In: 3721.767+/-0.665 χ^2/NDF: 3212592.8/28

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

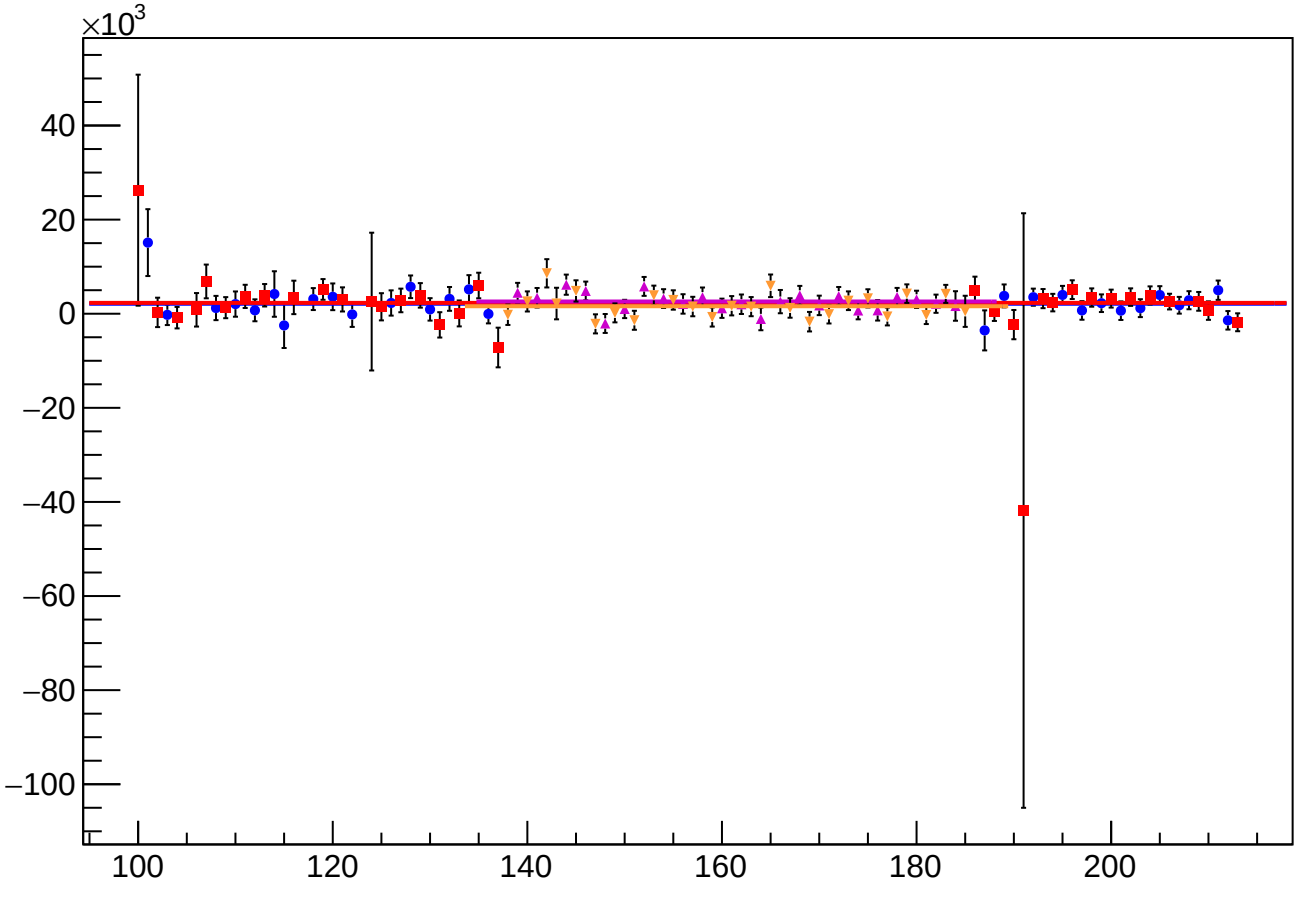
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2654.988+/-0.383 χ^2/NDF: 24008875.2/62

In: 4190.840+/-0.519 χ^2/NDF:5736464.7/51

Out: 2351.869+/-0.356 χ^2/NDF:32032629.7/58

All: 2939.688+/-0.293 χ^2/NDF: 46315409.9/1



Right In: 2121.362+/-427.175 χ^2/NDF: 23.6/28

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

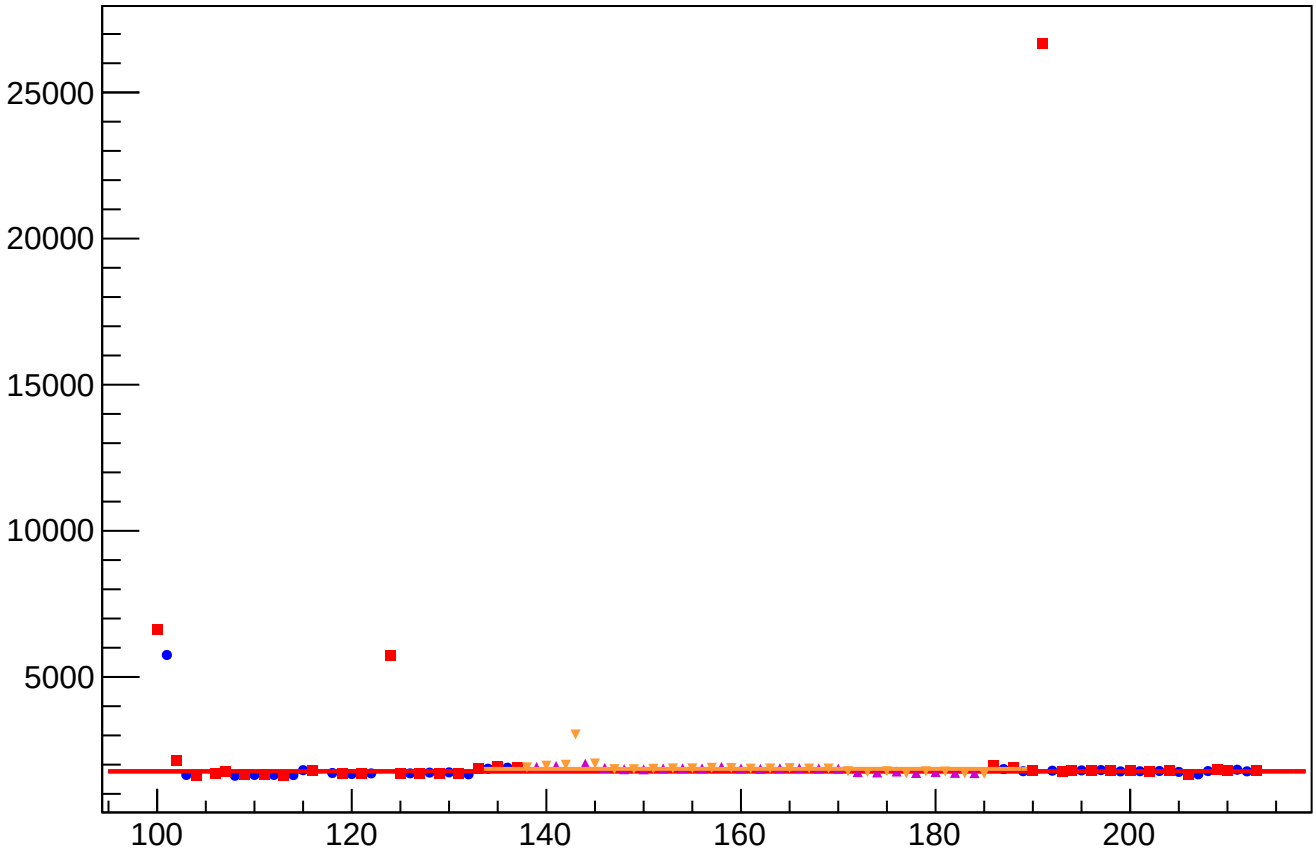
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2215.012+/-297.398 χ^2/NDF: 56.3/62

In: 2357.854+/-303.155 χ^2/NDF:44.3/51

Out: 1955.407+/-296.081 χ^2/NDF:65.4/58

All: 2151.880+/-211.818 χ^2/NDF: 110.5/110



Right In: 1765.427+/-0.302 χ^2/NDF: 682756.3/28

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

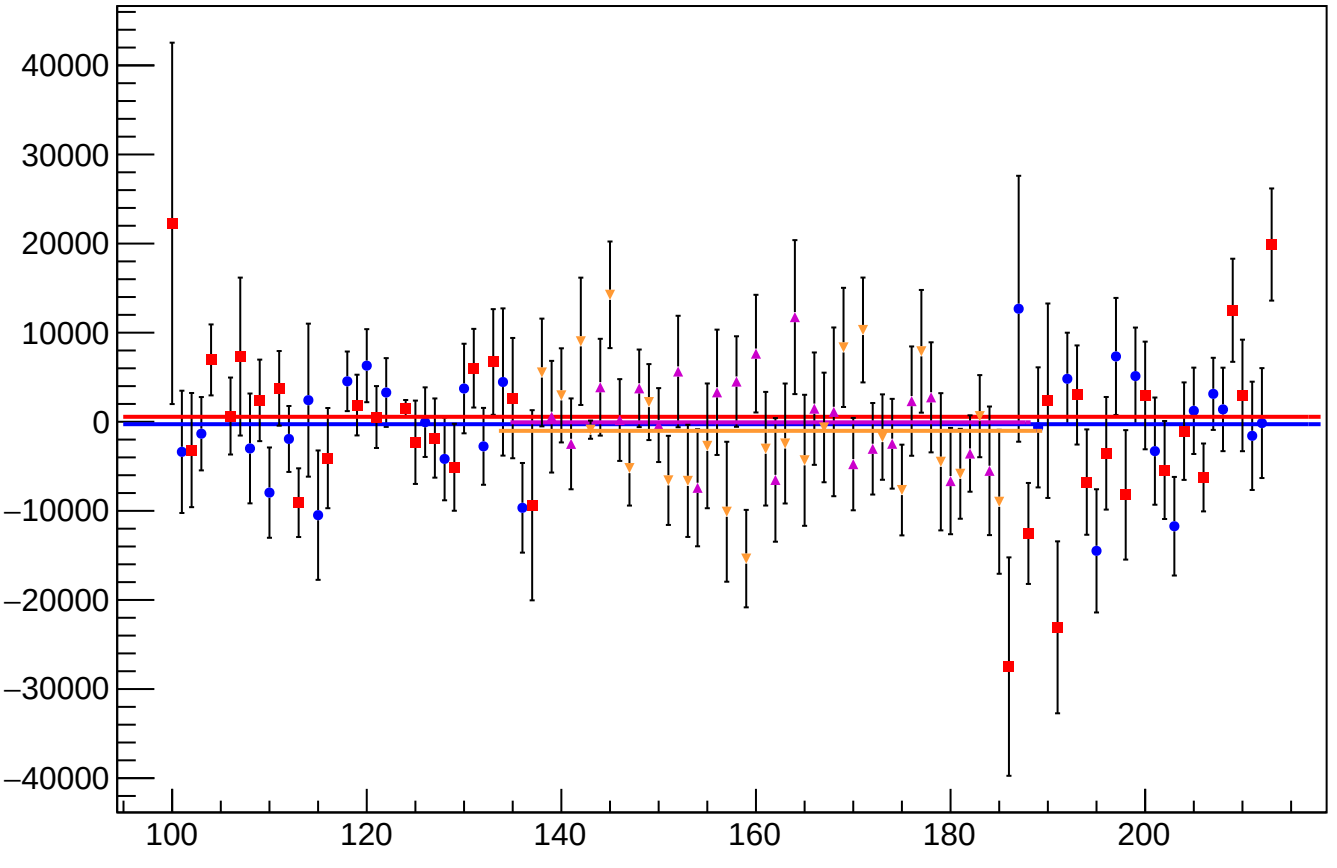
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1771.269+/-0.210 χ^2/NDF: 1323446.7/62

In: 1802.929+/-0.214 χ^2/NDF:784797.5/51

Out: 1815.247+/-0.209 χ^2/NDF:999696.4/58

All: 1809.238+/-0.150 χ^2/NDF: 1786185.0/11



Right In: -273.314+/-940.317 χ^2/NDF: 29.8/28

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

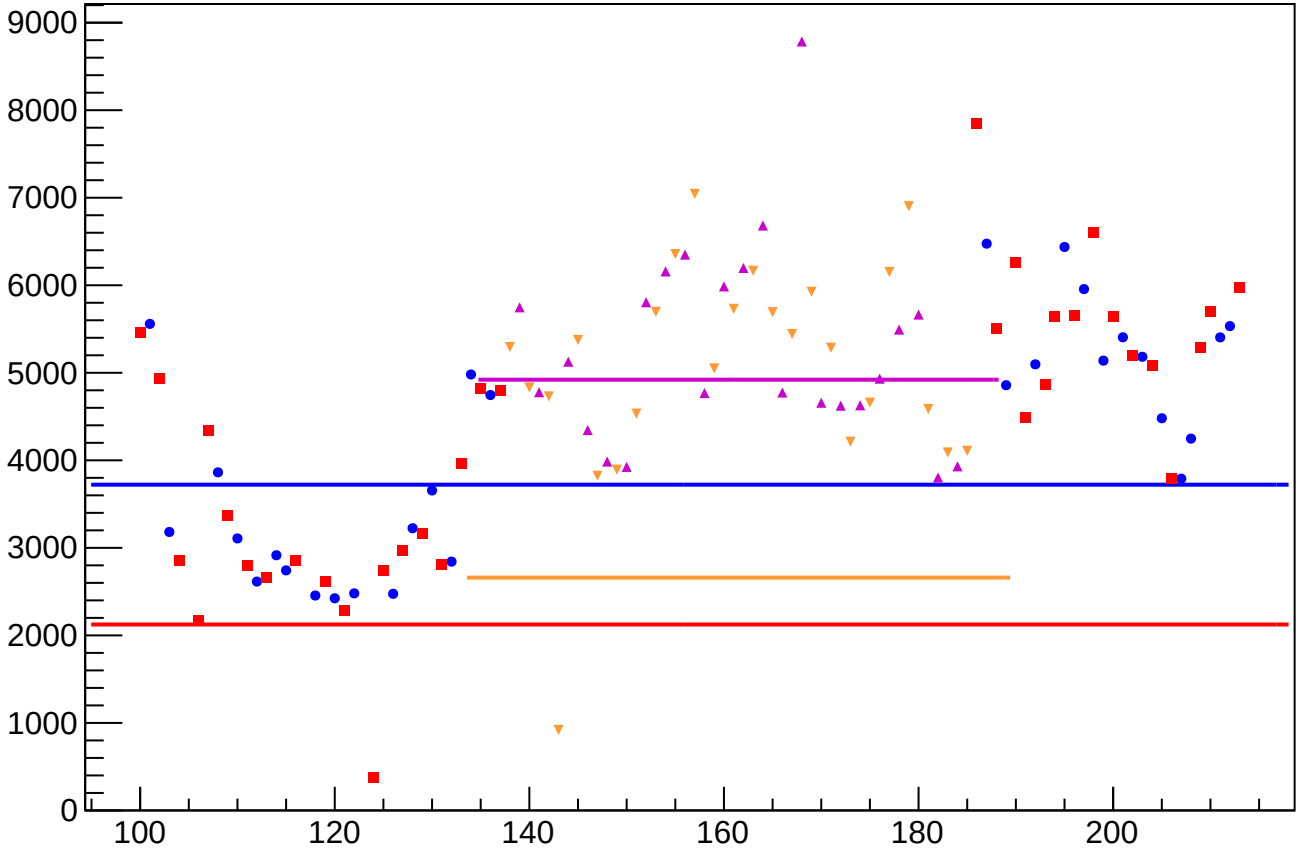
Right: 280.965+/-541.909 χ^2/NDF: 88.0/62

In: -190.793+/-733.784 χ^2/NDF:42.8/51

Out: -112.400+/-502.961 χ^2/NDF:93.8/58

All: -137.458+/-414.861 χ^2/NDF: 136.6/110

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3721.767+/-0.665 χ^2/NDF: 3212592.8/28

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

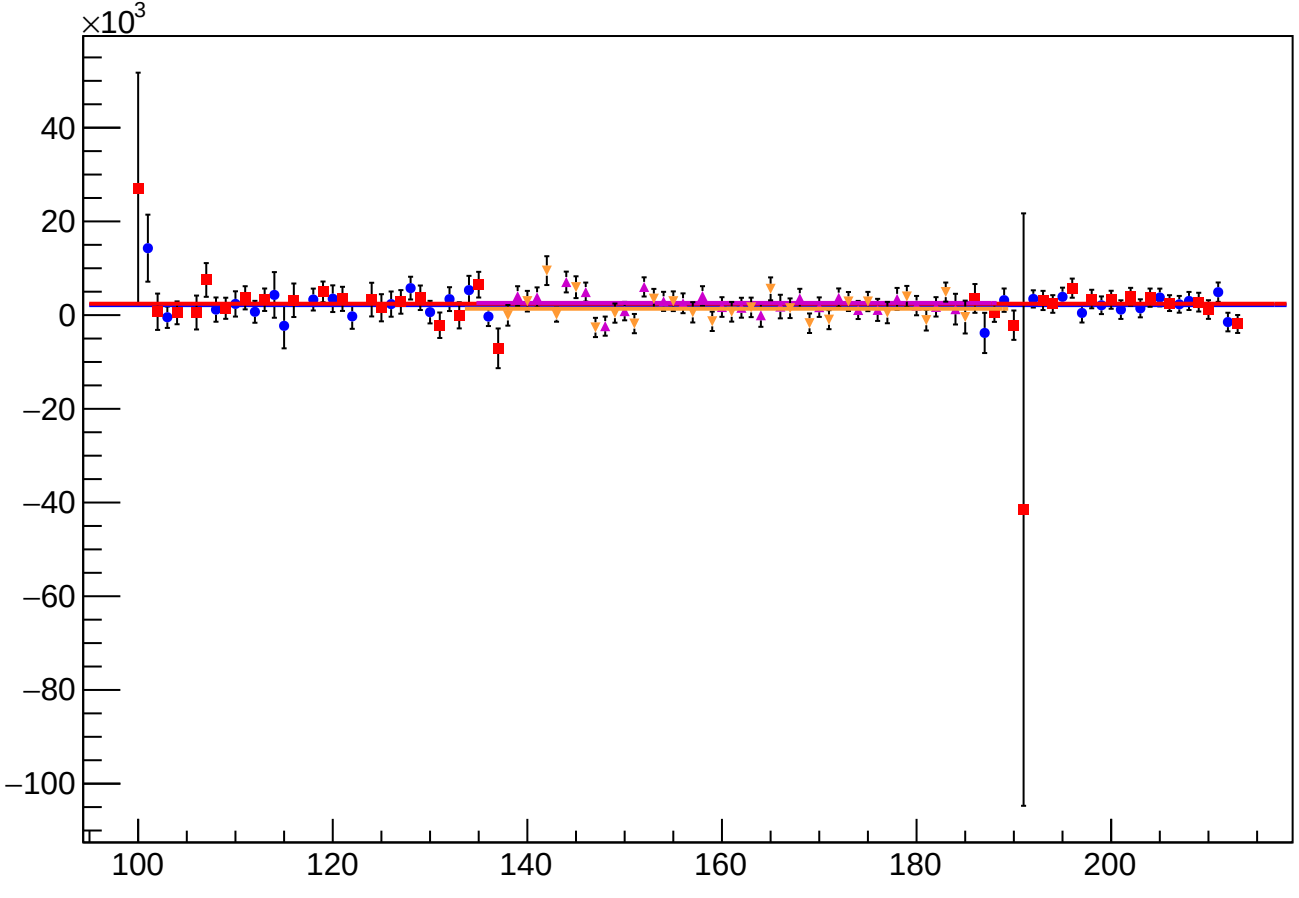
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2654.988+/-0.383 χ^2/NDF: 24008875.2/62

In: 4190.840+/-0.519 χ^2/NDF:5736464.7/51

Out: 2351.869+/-0.356 χ^2/NDF:32032629.7/58

All: 2939.688+/-0.293 χ^2/NDF: 46315409.9/1



Right In: 2133.158+/-431.682 χ^2/NDF: 23.0/28

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

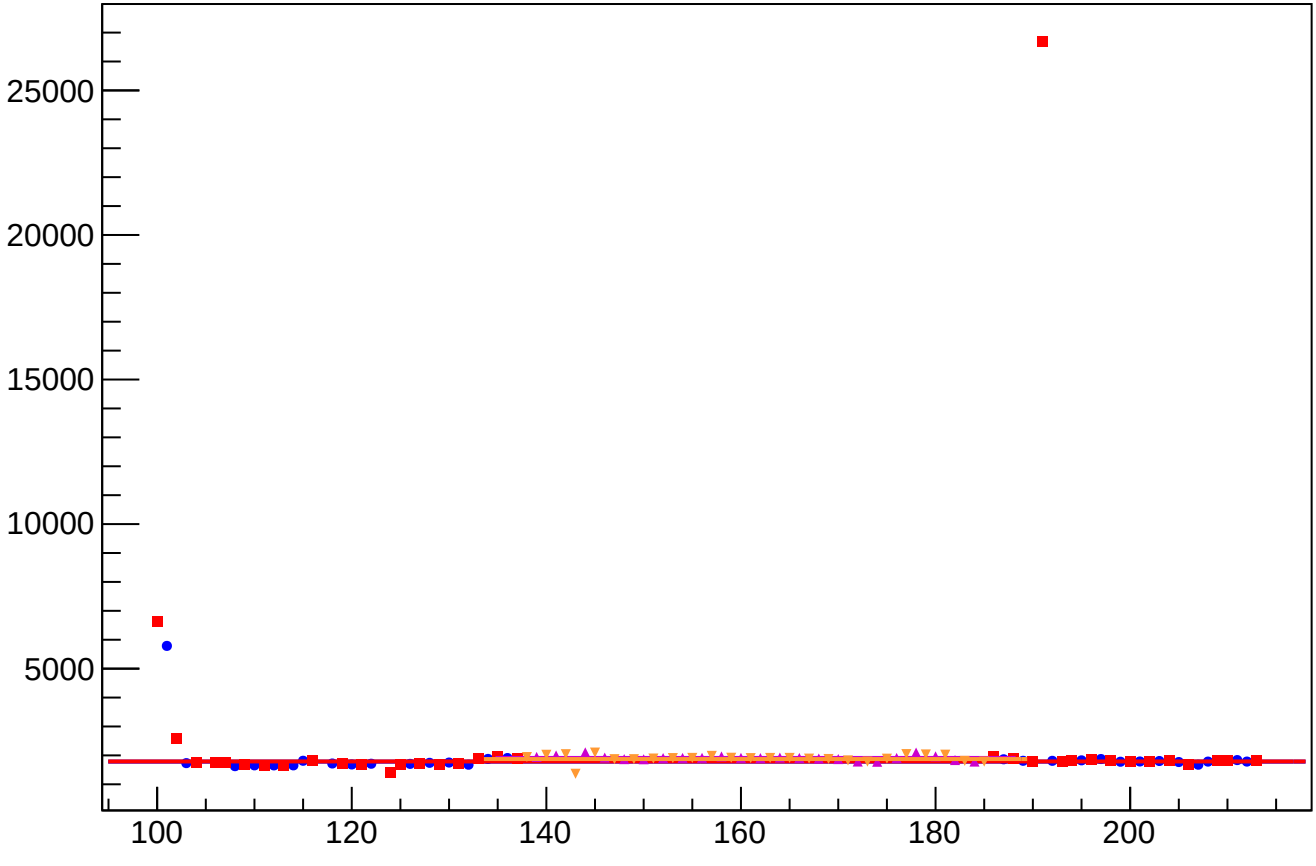
Right: 2286.342+/-300.071 χ^2/NDF: 54.3/62

In: 2359.947+/-310.433 χ^2/NDF:43.6/51

Out: 1909.246+/-298.598 χ^2/NDF:70.3/58

All: 2125.842+/-215.203 χ^2/NDF: 115.0/110

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1783.840+/-0.305 χ^2/NDF: 683633.7/28

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

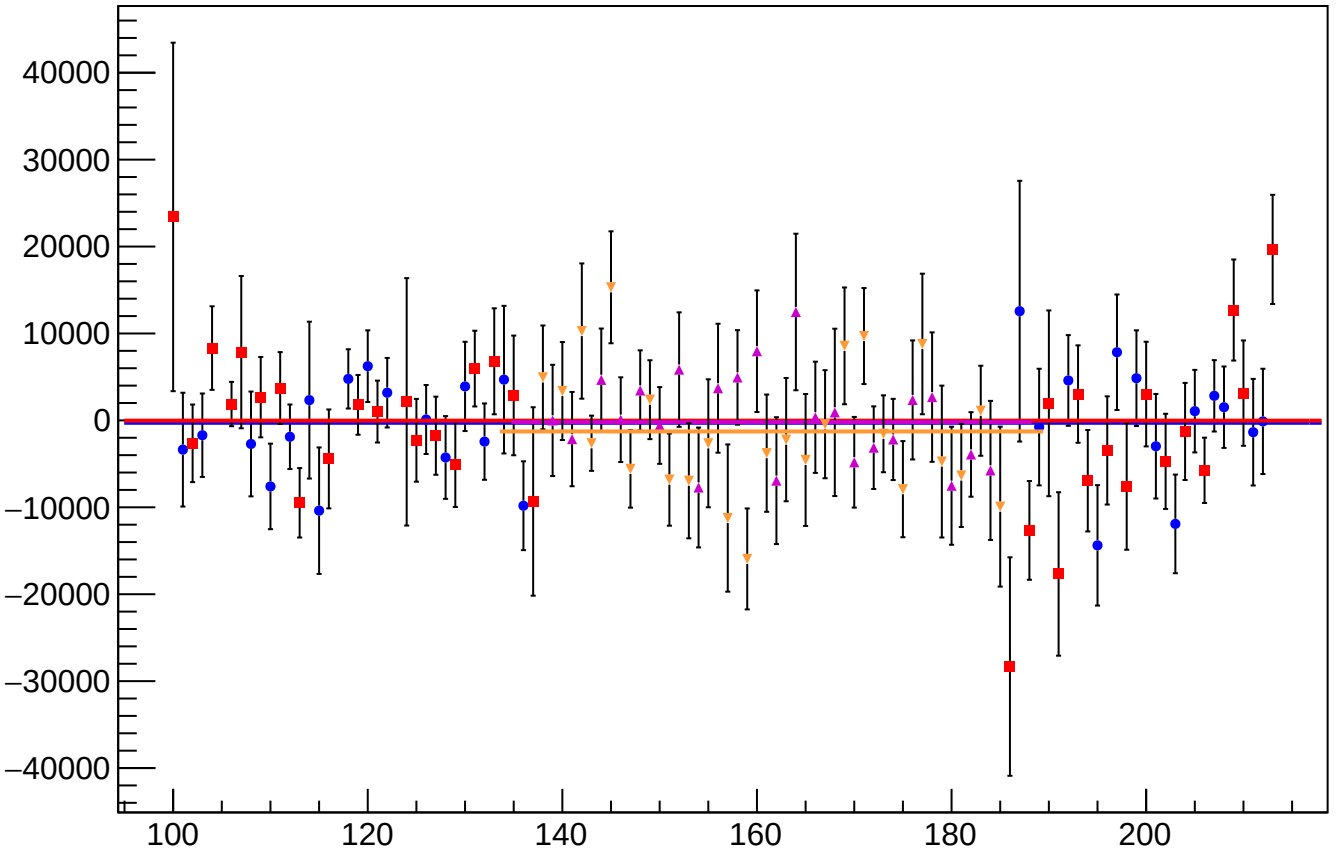
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1787.275+/-0.212 χ^2/NDF: 1247045.5/62

In: 1845.445+/-0.220 χ^2/NDF:827128.4/51

Out: 1830.812+/-0.211 χ^2/NDF:911271.8/58

All: 1837.841+/-0.152 χ^2/NDF: 1740709.8/11



Right In: -274.715+/-954.371 χ^2/NDF: 29.1/28

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

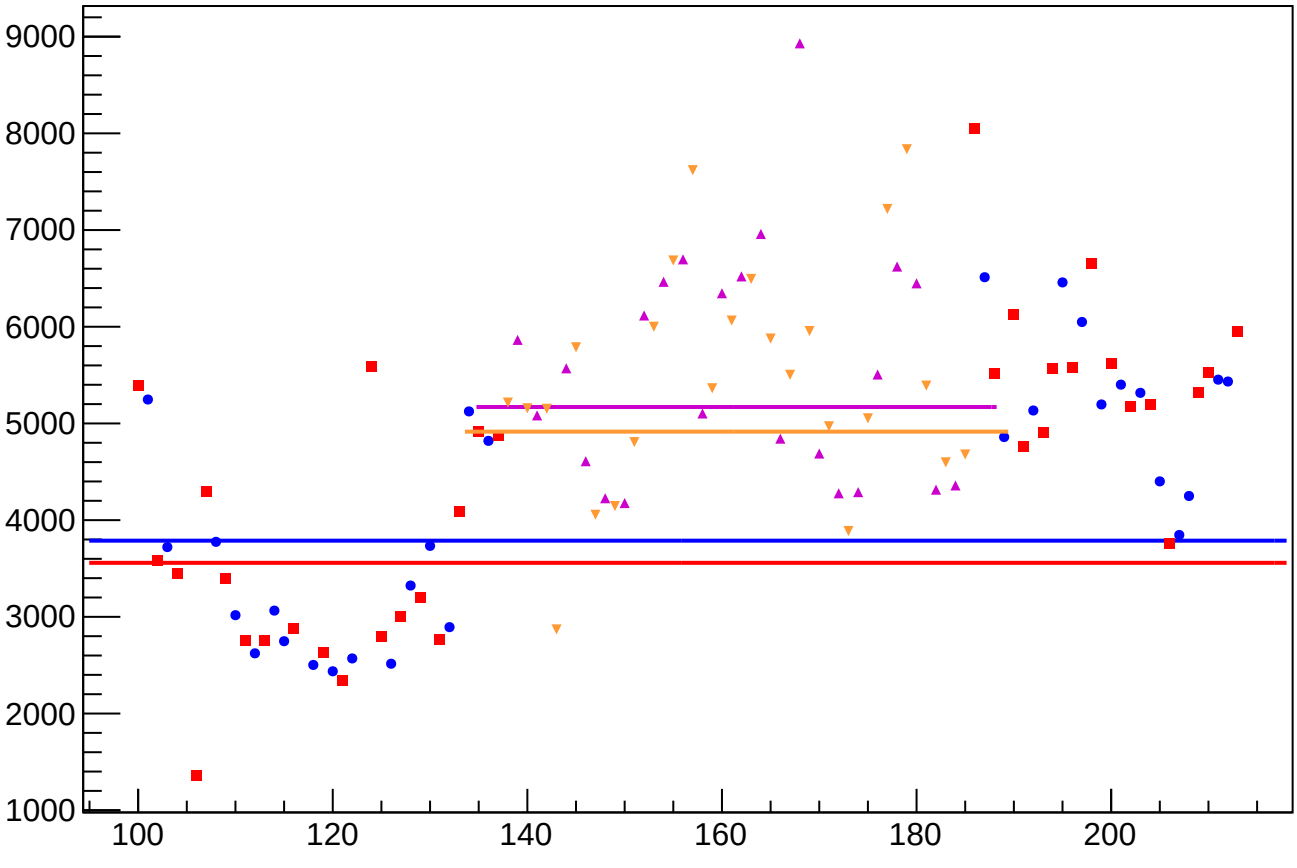
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -143.174+/-648.013 χ^2/NDF: 83.4/62

In: -245.613+/-755.058 χ^2/NDF:41.9/51

Out: -486.950+/-701.579 χ^2/NDF:88.4/58

All: -375.130+/-513.959 χ^2/NDF: 130.3/110



Right In: 3787.723+/-0.675 χ^2/NDF: 3070153.4/28

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

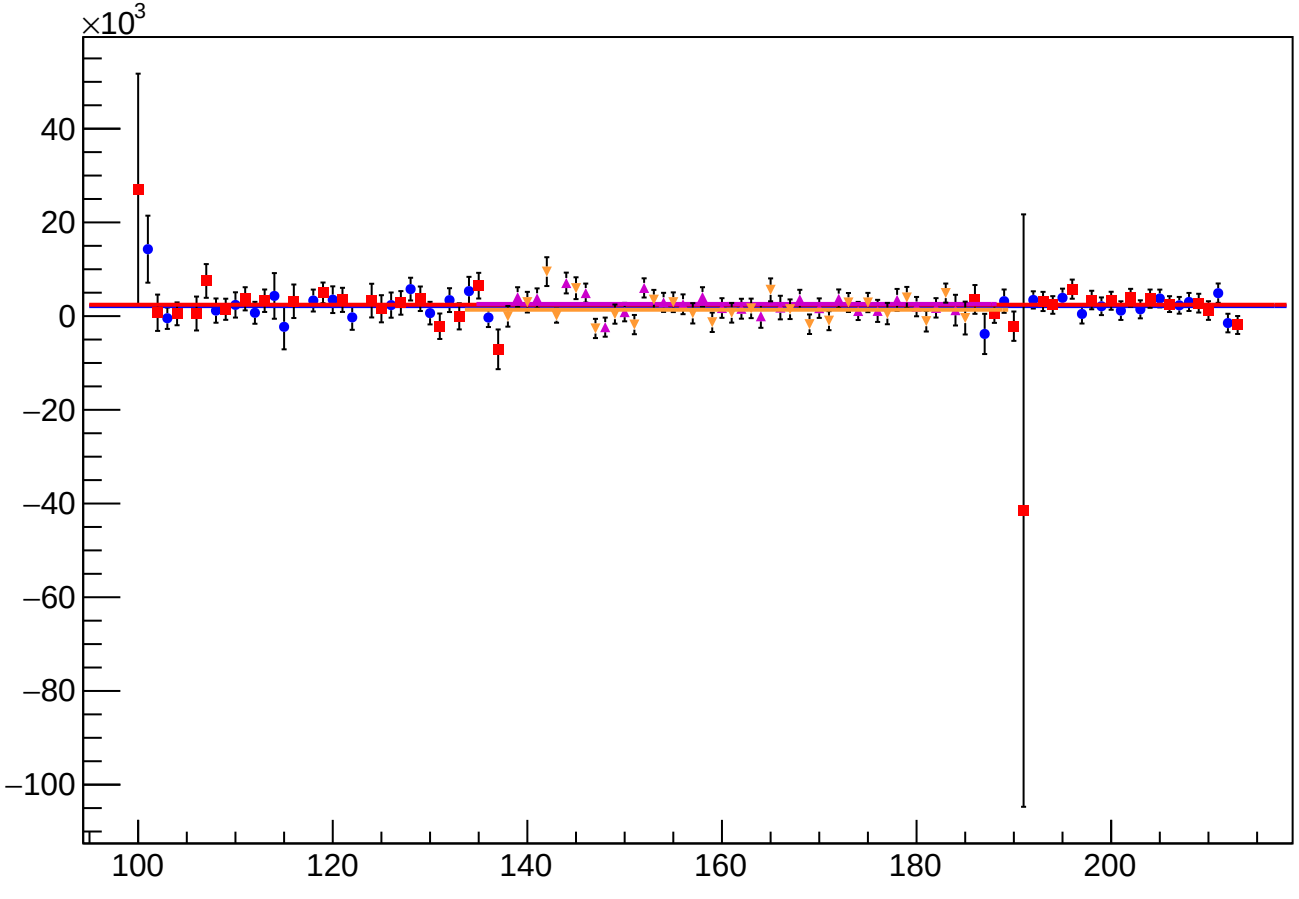
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3664.214+/-0.458 χ^2/NDF: 8376993.4/62

In: 4304.801+/-0.534 χ^2/NDF:5988341.4/51

Out: 4058.157+/-0.496 χ^2/NDF:9150794.1/58

All: 4172.436+/-0.363 χ^2/NDF: 15253663.4/1



Right In: 2133.159+/-431.682 χ^2/NDF: 23.0/28

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

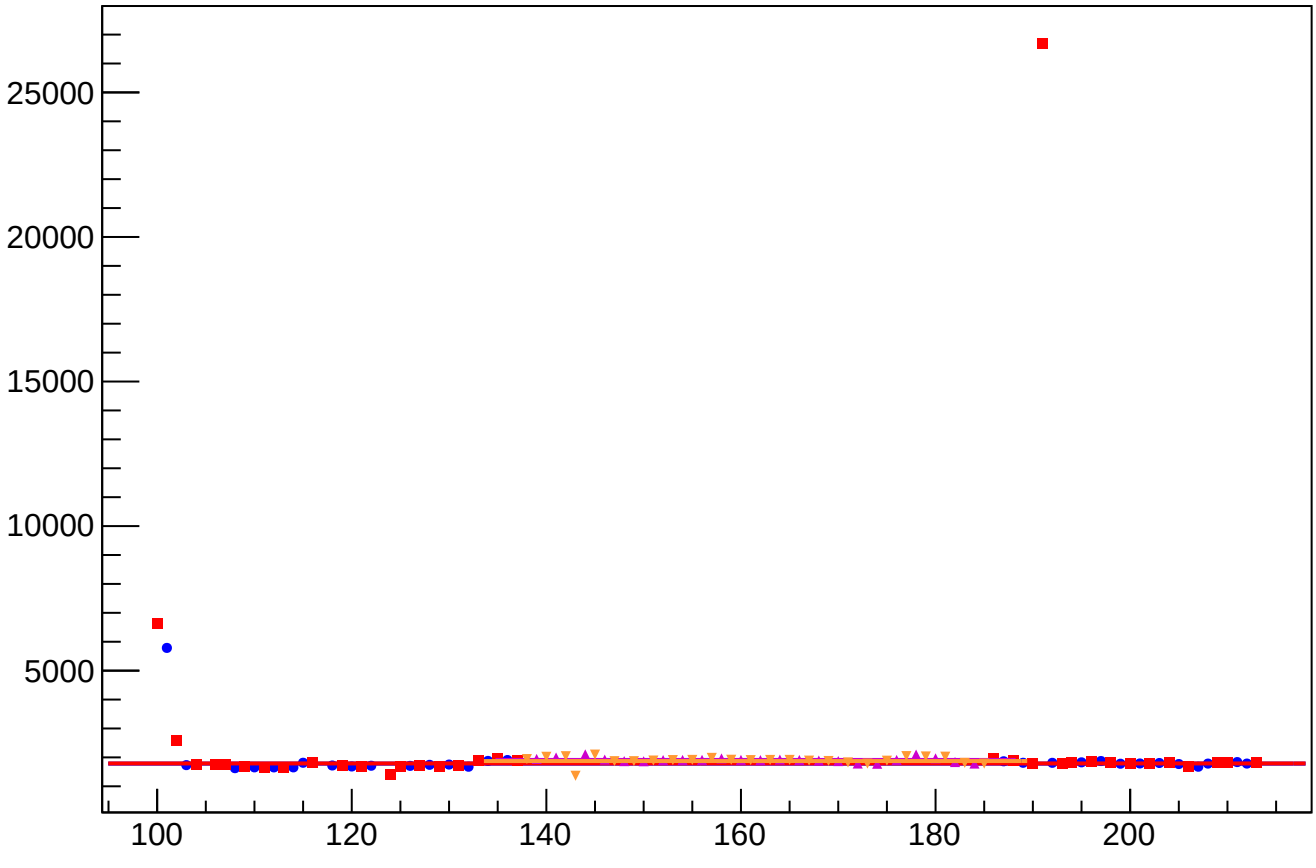
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2286.341+/-300.071 χ^2/NDF: 54.3/62

In: 2359.947+/-310.433 χ^2/NDF:43.6/51

Out: 1909.243+/-298.598 χ^2/NDF:70.3/58

All: 2125.840+/-215.203 χ^2/NDF: 115.0/110



Right In: 1783.840+/-0.305 χ^2/NDF: 683633.7/28

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

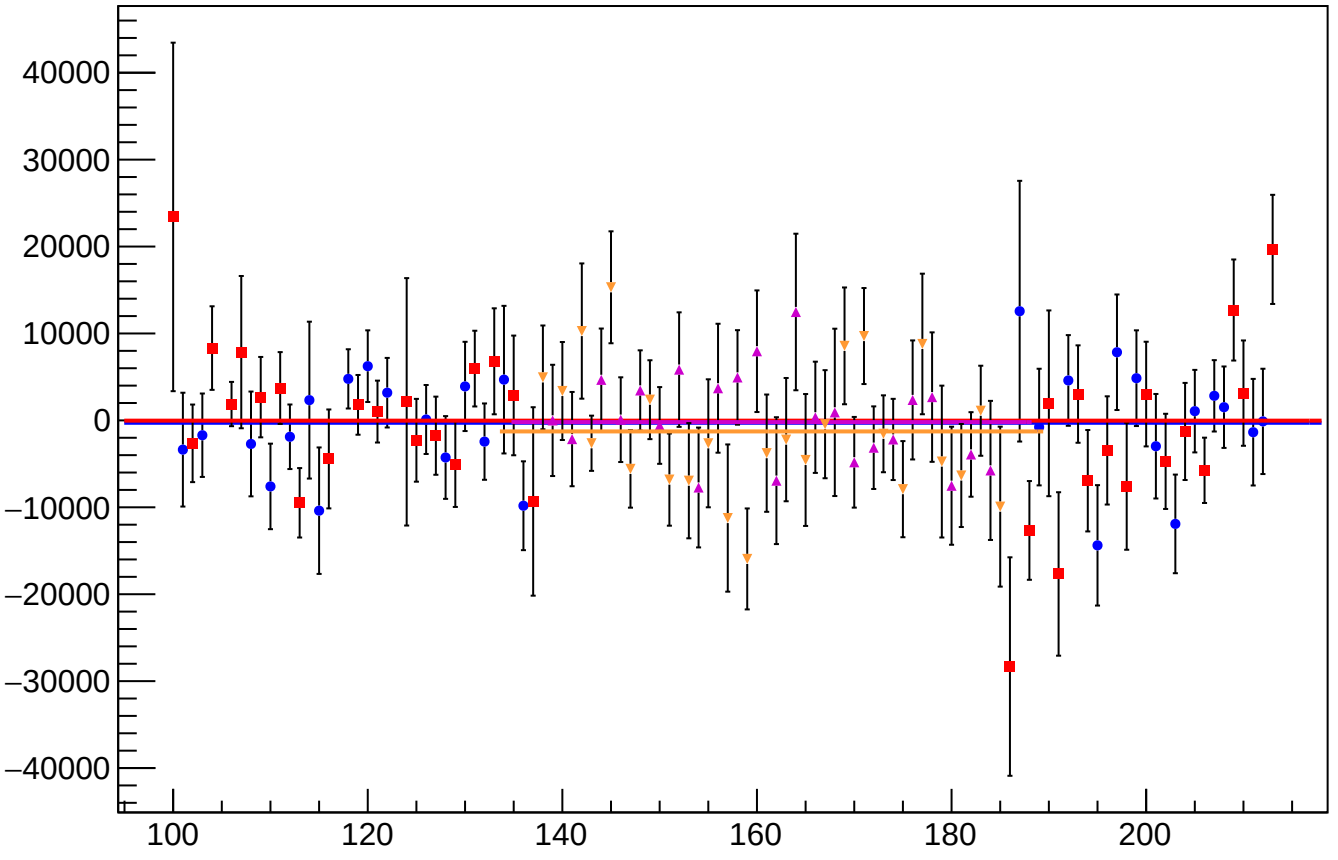
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1787.275+/-0.212 χ^2/NDF: 1247045.6/62

In: 1845.446+/-0.220 χ^2/NDF:827132.1/51

Out: 1830.813+/-0.211 χ^2/NDF:911276.4/58

All: 1837.841+/-0.152 χ^2/NDF: 1740718.1/11



Right In: -274.710+/-954.370 χ^2/NDF: 29.1/28

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

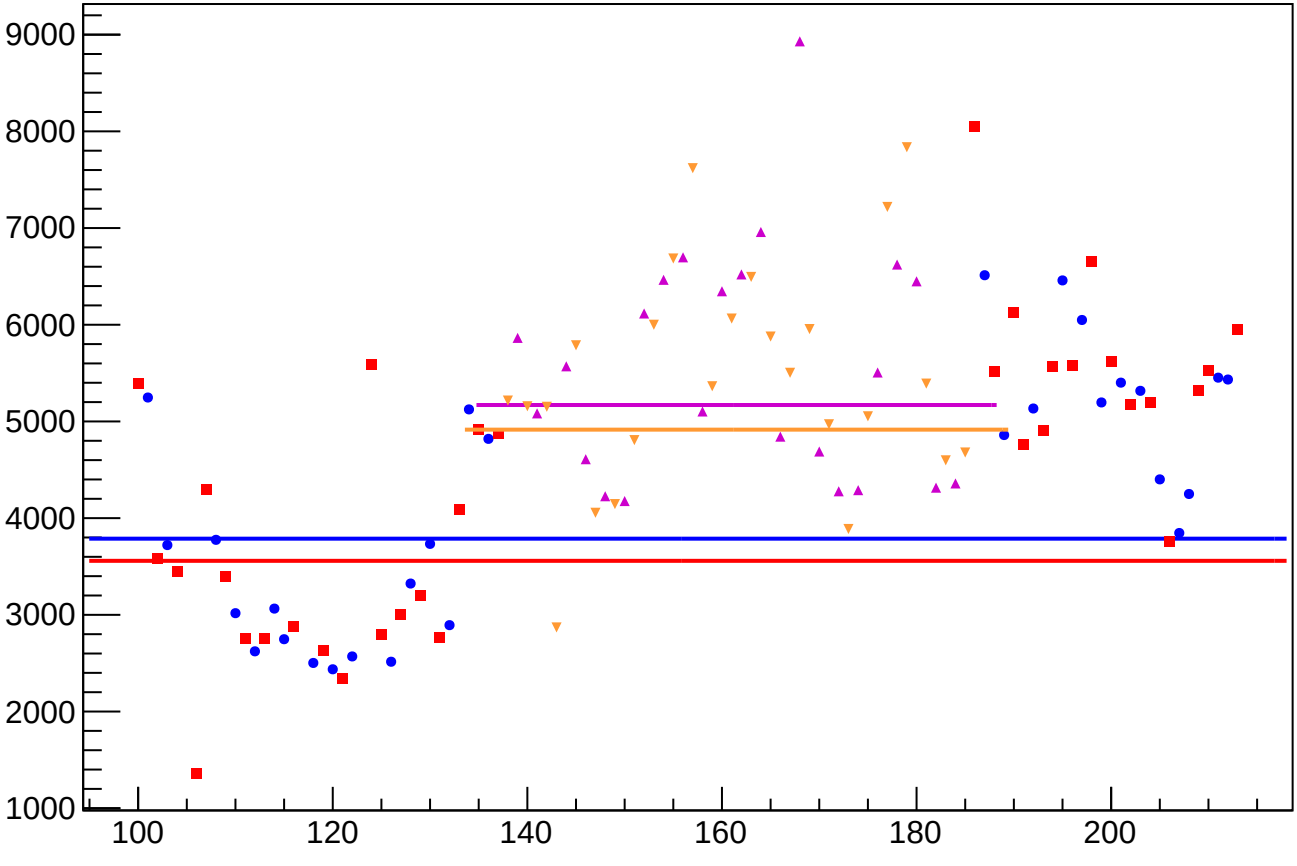
Right: -143.169+/-648.012 χ^2/NDF: 83.4/62

In: -245.611+/-755.058 χ^2/NDF:41.9/51

Out: -486.948+/-701.579 χ^2/NDF:88.4/58

All: -375.128+/-513.959 χ^2/NDF: 130.3/110

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3787.716+/-0.675 χ^2/NDF: 3070204.8/28

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

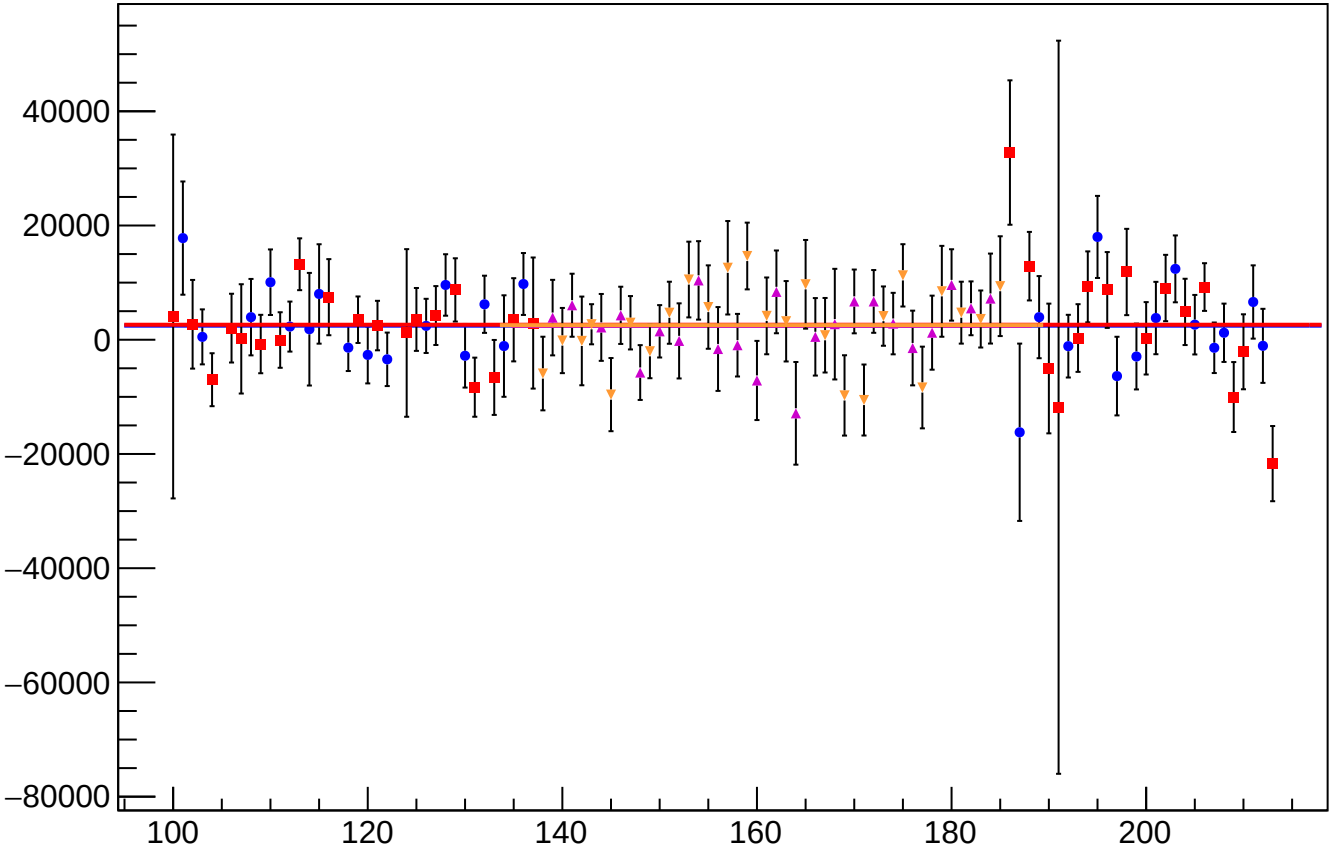
Right: 3664.205+/-0.458 χ^2/NDF: 8377123.7/62

In: 4304.798+/-0.534 χ^2/NDF:5988426.1/51

Out: 4058.150+/-0.496 χ^2/NDF:9150922.7/58

All: 4172.431+/-0.363 χ^2/NDF: 15253880.3/1

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2465.004+/-1065.426 χ^2/NDF: 27.1/28

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

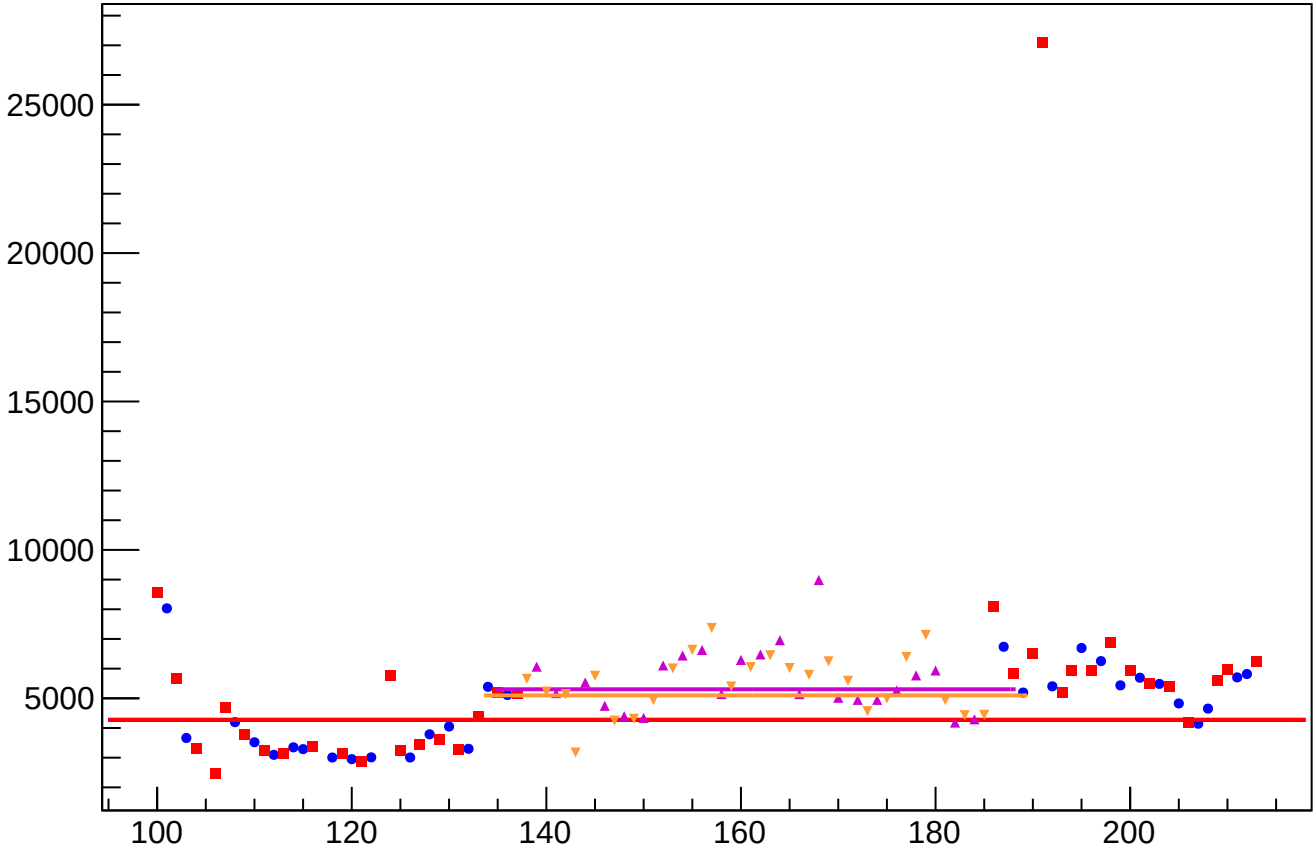
Right: 2547.580+/-746.402 χ^2/NDF: 81.2/62

In: 2447.493+/-813.470 χ^2/NDF:42.1/51

Out: 2592.181+/-784.961 χ^2/NDF:83.2/58

All: 2522.417+/-564.861 χ^2/NDF: 125.3/110

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 4273.649+/-0.753 χ^2/NDF: 2414846.2/28

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

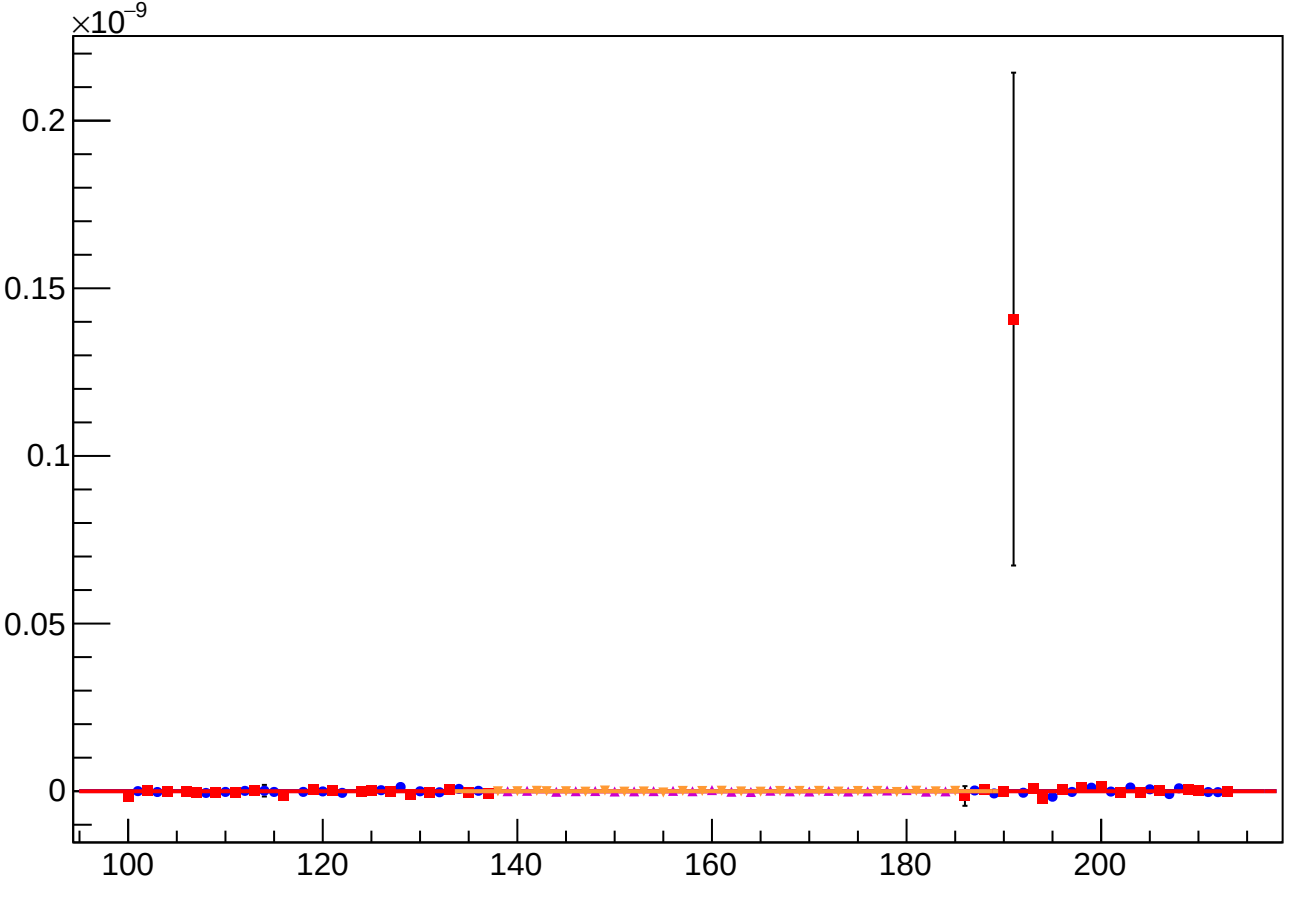
Left: 5195.024+/-0.611 χ^2/NDF: 2590724.7/47

Right: 4274.364+/-0.525 χ^2/NDF: 5753079.4/62

In: 4703.421+/-0.575 χ^2/NDF:4213152.4/51

Out: 4630.693+/-0.552 χ^2/NDF:5427890.4/58

All: 4665.565+/-0.398 χ^2/NDF: 9649363.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 36.8/28

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

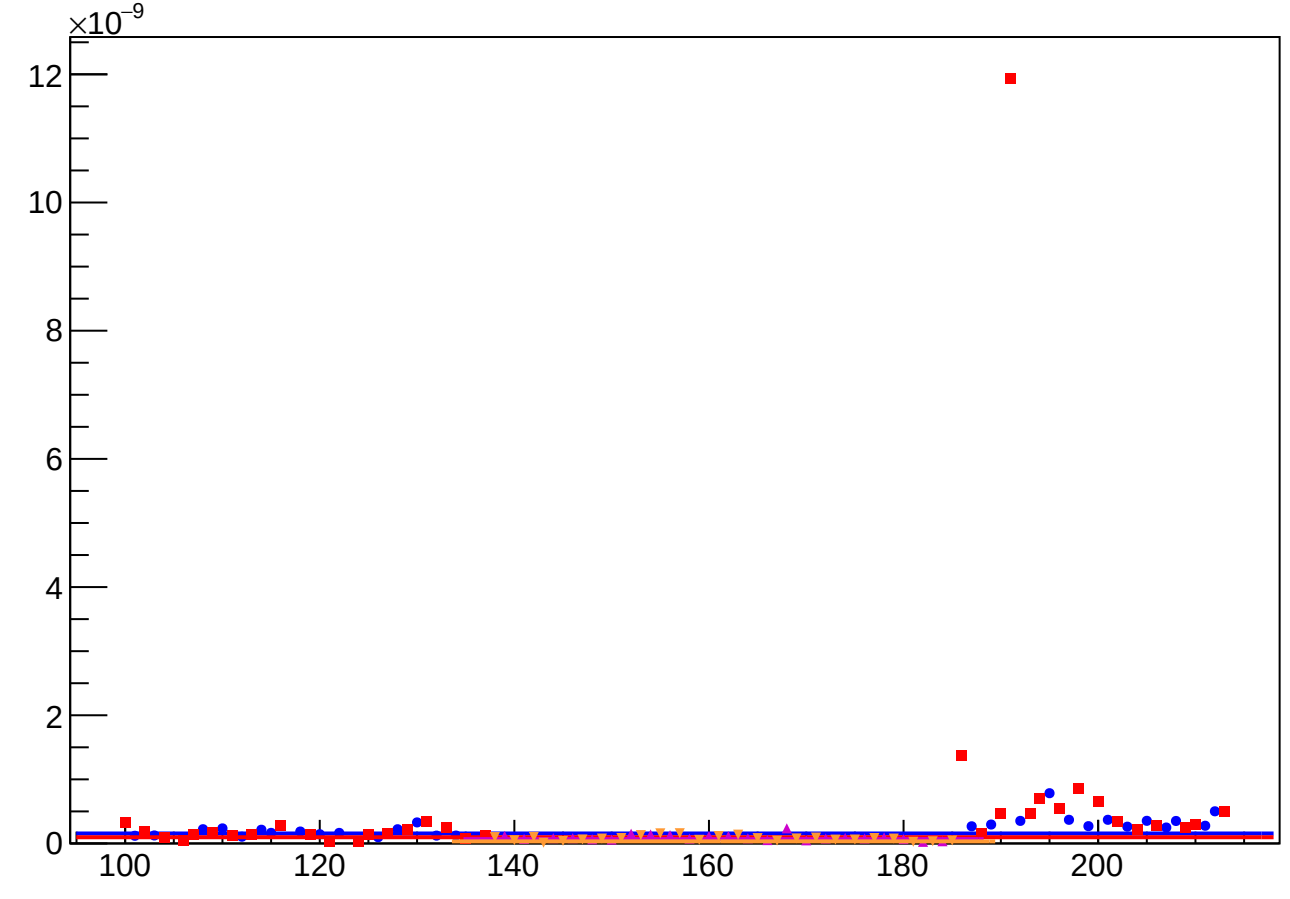
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

Right: 0.000+/-0.000 χ^2/NDF: 78.5/62

In: 0.000+/-0.000 χ^2/NDF:60.1/51

Out: 0.000+/-0.000 χ^2/NDF:56.5/58

All: 0.000+/-0.000 χ^2/NDF: 116.7/110



Right In: 0.000+/-0.000 χ^2/NDF: 3505203.9/28

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8103387.5/33

Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

Left: 0.000+/-0.000 χ^2/NDF: 10780036.3/47

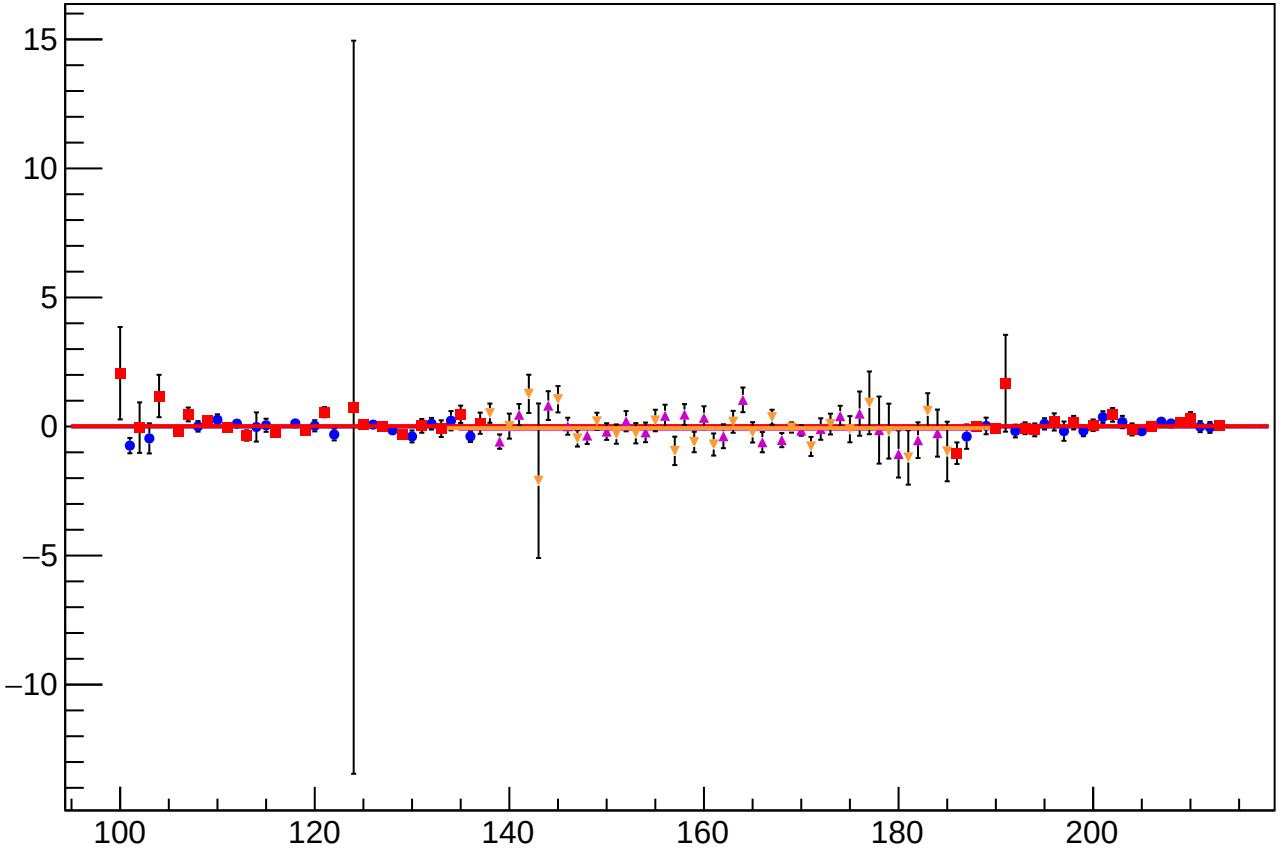
Right: 0.000+/-0.000 χ^2/NDF: 12591166.7/62

In: 0.000+/-0.000 χ^2/NDF:8880933.2/51

Out: 0.000+/-0.000 χ^2/NDF:17144635.8/58

All: 0.000+/-0.000 χ^2/NDF: 29671345.3/110

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.039 χ^2/NDF: 28.1/28

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

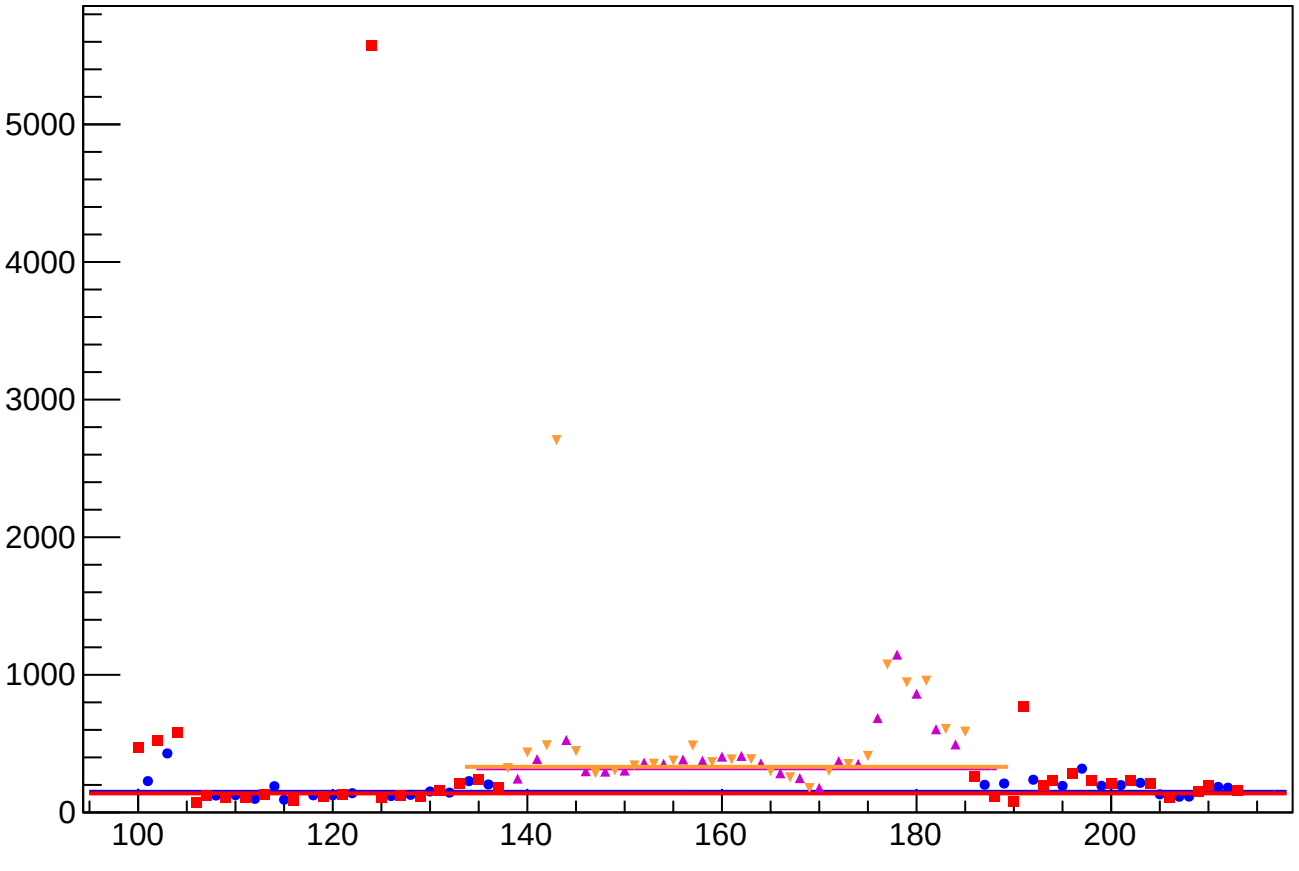
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: 0.007+/-0.027 χ^2/NDF: 71.2/62

In: -0.015+/-0.035 χ^2/NDF:56.0/51

Out: 0.001+/-0.033 χ^2/NDF:74.4/58

All: -0.007+/-0.024 χ^2/NDF: 130.5/110



Right In: 149.937+/-0.028 χ^2/NDF: 2947976.0/28

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

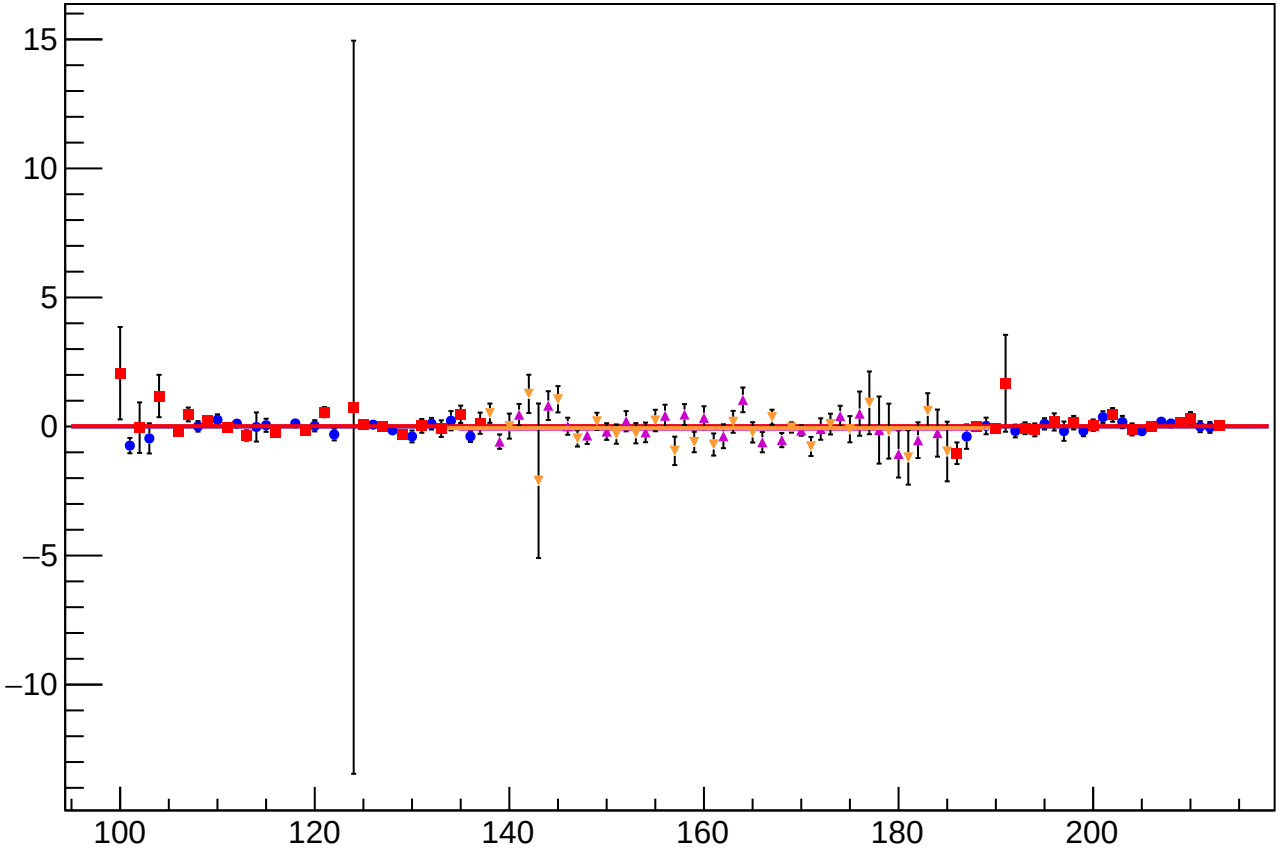
Right: 143.738+/-0.019 χ^2/NDF: 8136480.6/62

In: 182.565+/-0.025 χ^2/NDF:14365010.4/51

Out: 169.117+/-0.024 χ^2/NDF:19900432.3/58

All: 175.425+/-0.017 χ^2/NDF: 34418112.1/11

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.039 χ^2/NDF: 28.1/28

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

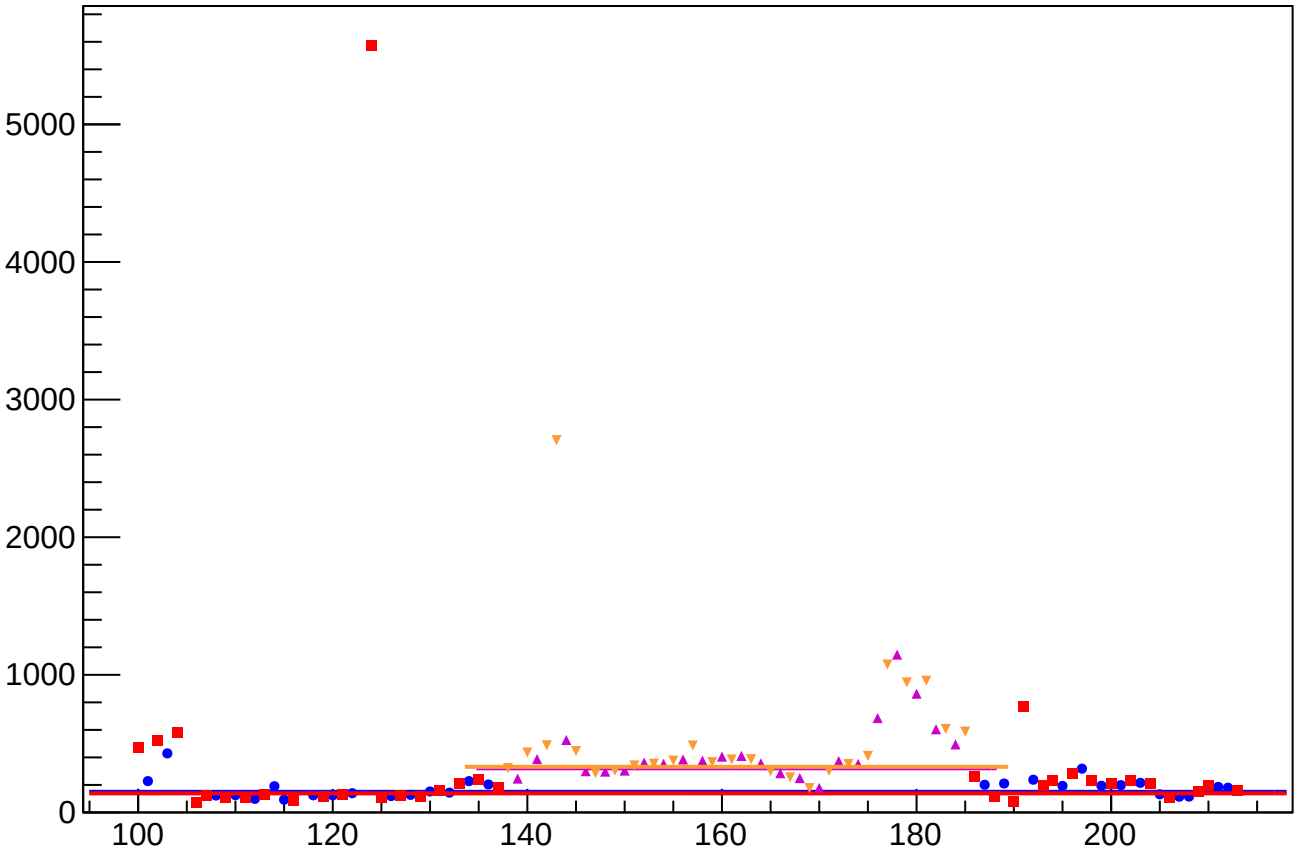
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: 0.007+/-0.027 χ^2/NDF: 71.2/62

In: -0.015+/-0.035 χ^2/NDF:56.0/51

Out: 0.001+/-0.033 χ^2/NDF:74.4/58

All: -0.007+/-0.024 χ^2/NDF: 130.5/110



Right In: 149.937+/-0.028 χ^2/NDF: 2947976.0/28

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

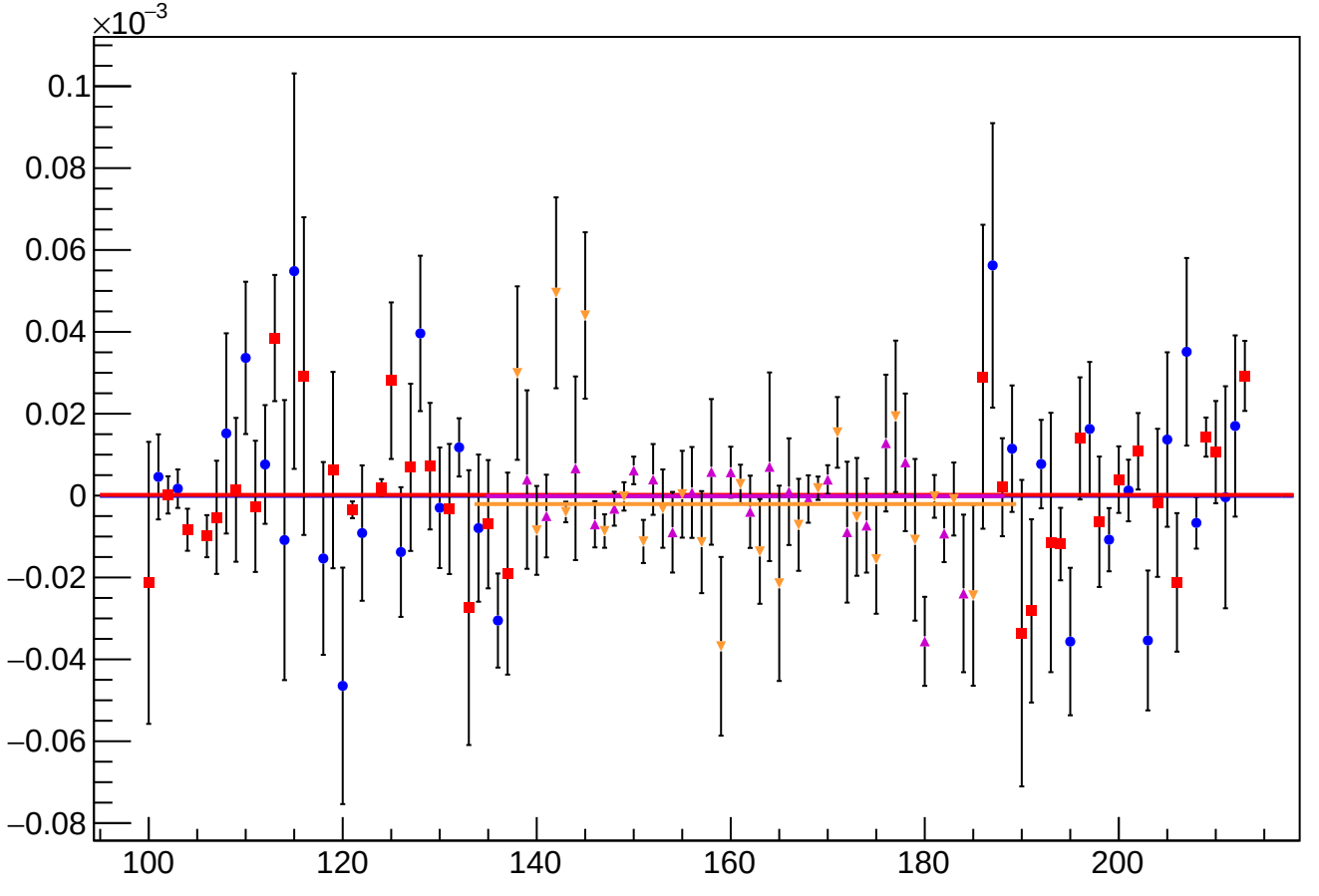
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 143.738+/-0.019 χ^2/NDF: 8136480.6/62

In: 182.565+/-0.025 χ^2/NDF:14365010.4/51

Out: 169.117+/-0.024 χ^2/NDF:19900432.3/58

All: 175.425+/-0.017 χ^2/NDF: 34418112.1/11



Right In: -0.000+/-0.000 χ^2/NDF: 43.4/28

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

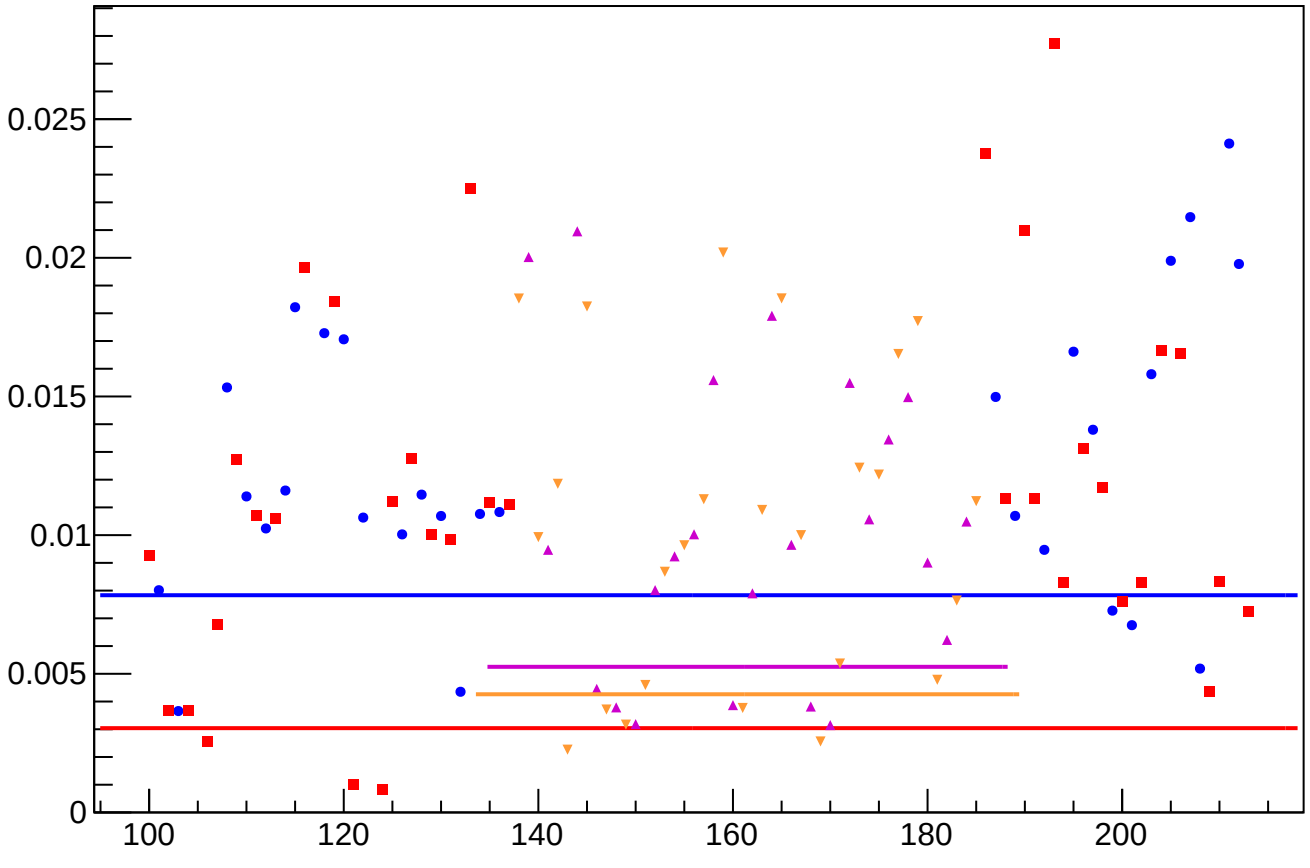
Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

Right: 0.000+/-0.000 χ^2/NDF: 95.4/62

In: -0.000+/-0.000 χ^2/NDF:68.3/51

Out: -0.000+/-0.000 χ^2/NDF:88.5/58

All: -0.000+/-0.000 χ^2/NDF: 157.1/110



Right In: 0.008+/-0.000 χ^2/NDF: 7885638.2/28

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

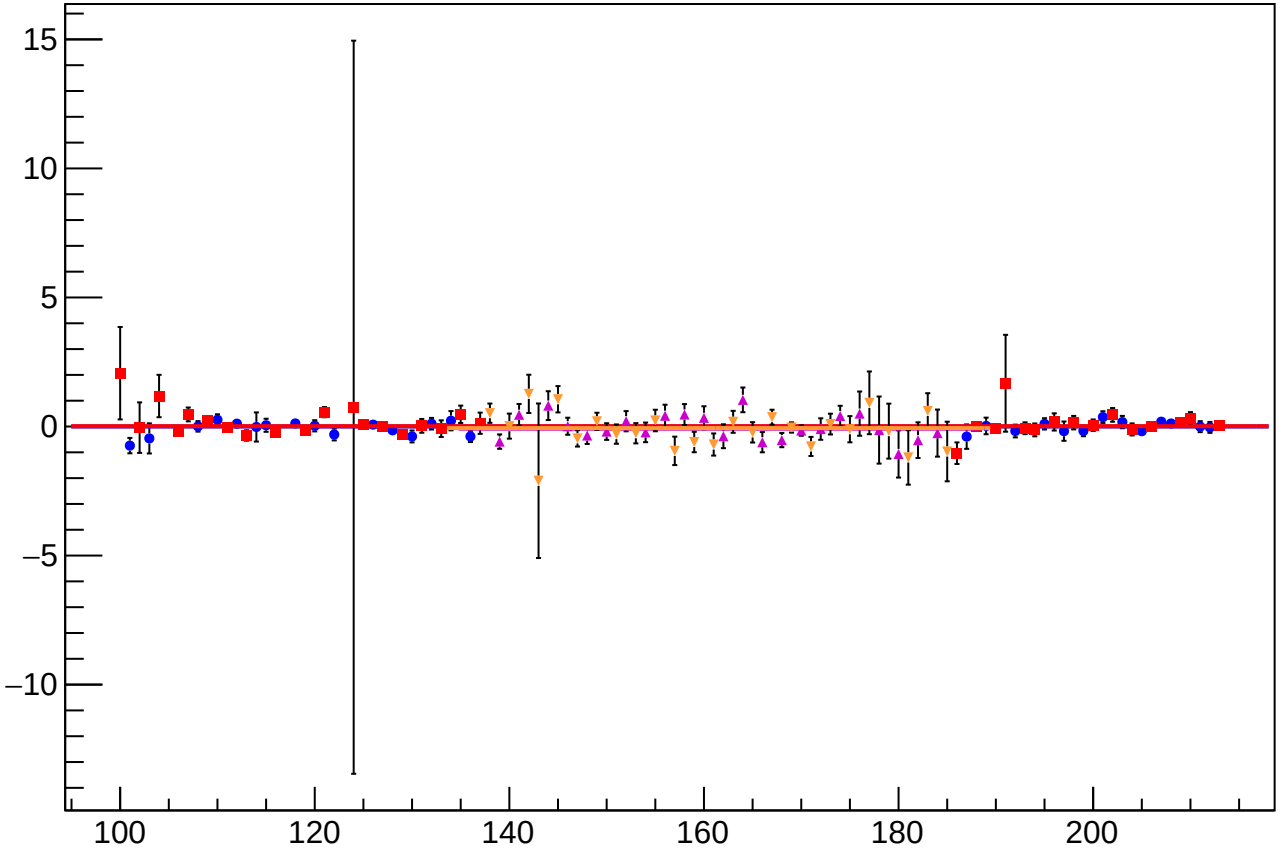
Right: 0.004+/-0.000 χ^2/NDF: 36004402.9/62

In: 0.006+/-0.000 χ^2/NDF:19270567.1/51

Out: 0.004+/-0.000 χ^2/NDF:34714241.1/58

All: 0.004+/-0.000 χ^2/NDF: 59387295.4/110

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.039 χ^2/NDF: 28.1/28

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

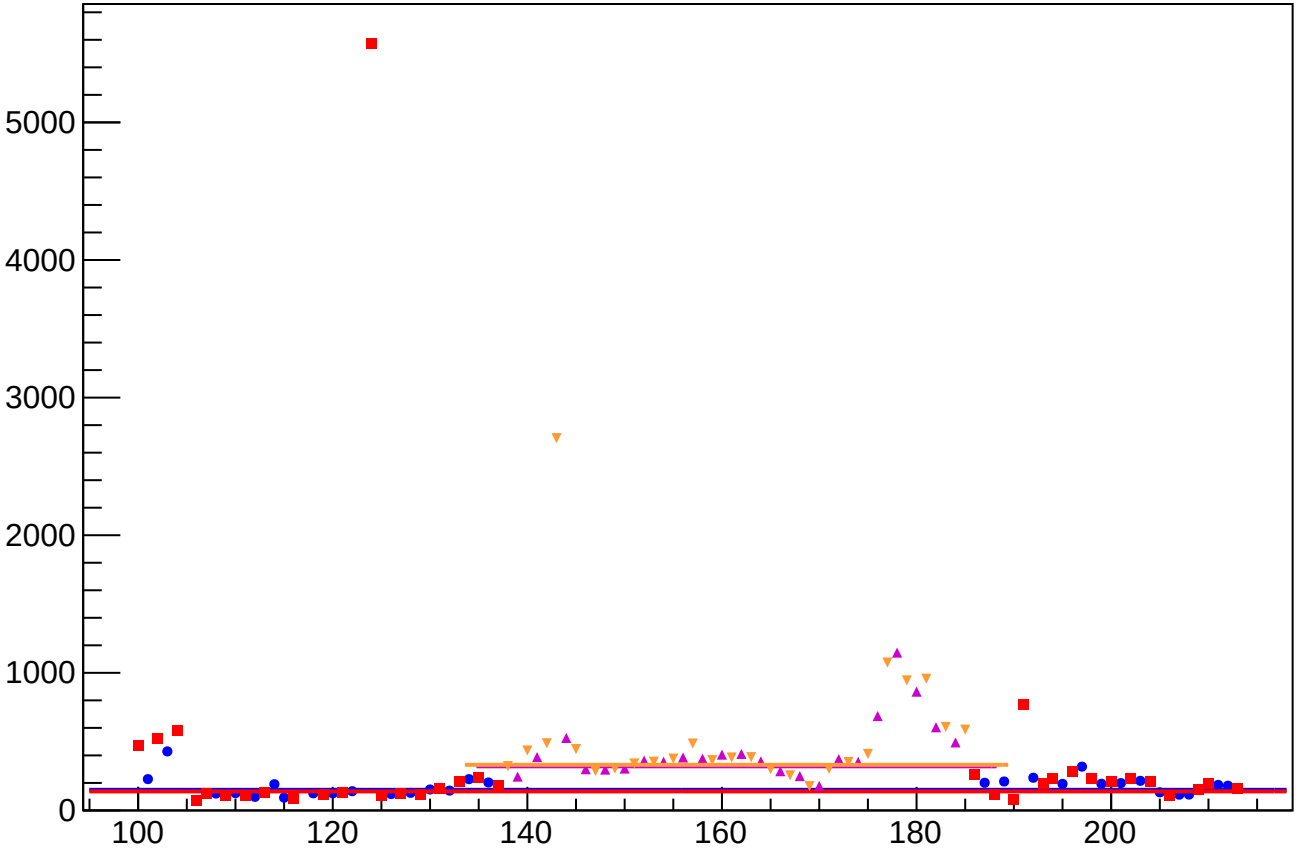
Right: 0.007+/-0.027 χ^2/NDF: 71.2/62

In: -0.015+/-0.035 χ^2/NDF:56.0/51

Out: 0.001+/-0.033 χ^2/NDF:74.4/58

All: -0.007+/-0.024 χ^2/NDF: 130.5/110

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 149.937+/-0.028 χ^2/NDF: 2947954.1/28

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

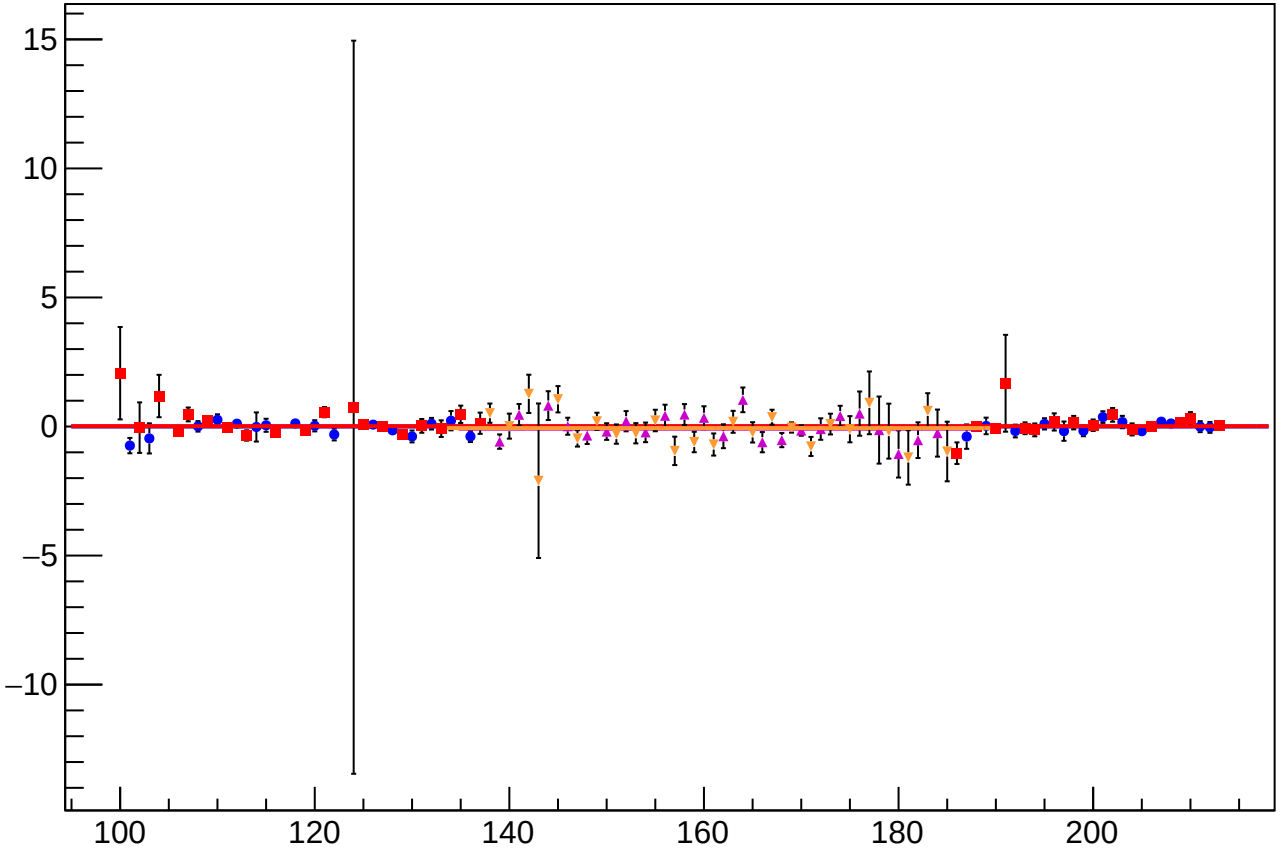
Right: 143.737+/-0.019 χ^2/NDF: 8136498.9/62

In: 182.565+/-0.025 χ^2/NDF:14365109.8/51

Out: 169.117+/-0.024 χ^2/NDF:19900678.9/58

All: 175.425+/-0.017 χ^2/NDF: 34418482.7/11

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.039 χ^2/NDF: 28.1/28

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

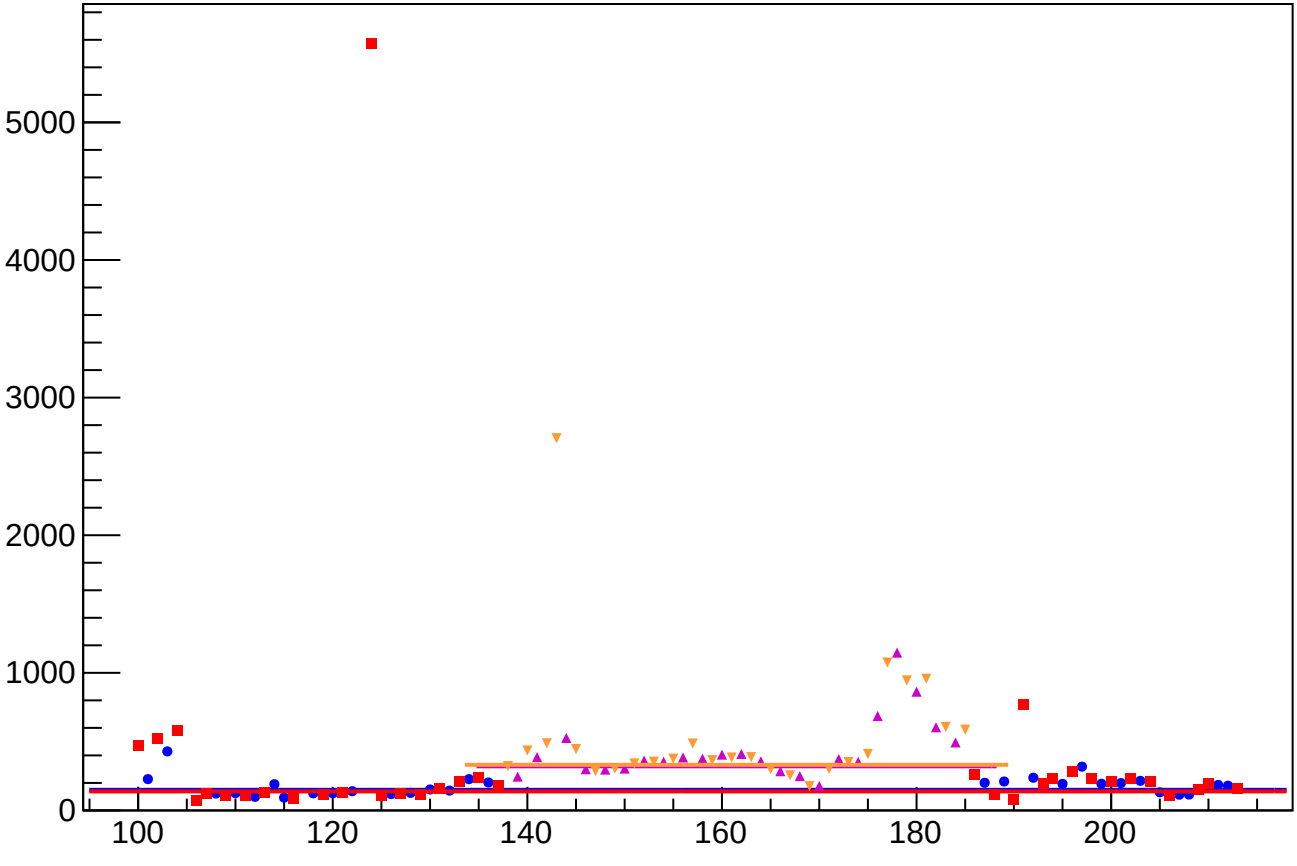
Right: 0.007+/-0.027 χ^2/NDF: 71.2/62

In: -0.015+/-0.035 χ^2/NDF:56.0/51

Out: 0.001+/-0.033 χ^2/NDF:74.4/58

All: -0.007+/-0.024 χ^2/NDF: 130.5/110

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 149.937+/-0.028 χ^2/NDF: 2947954.1/28

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

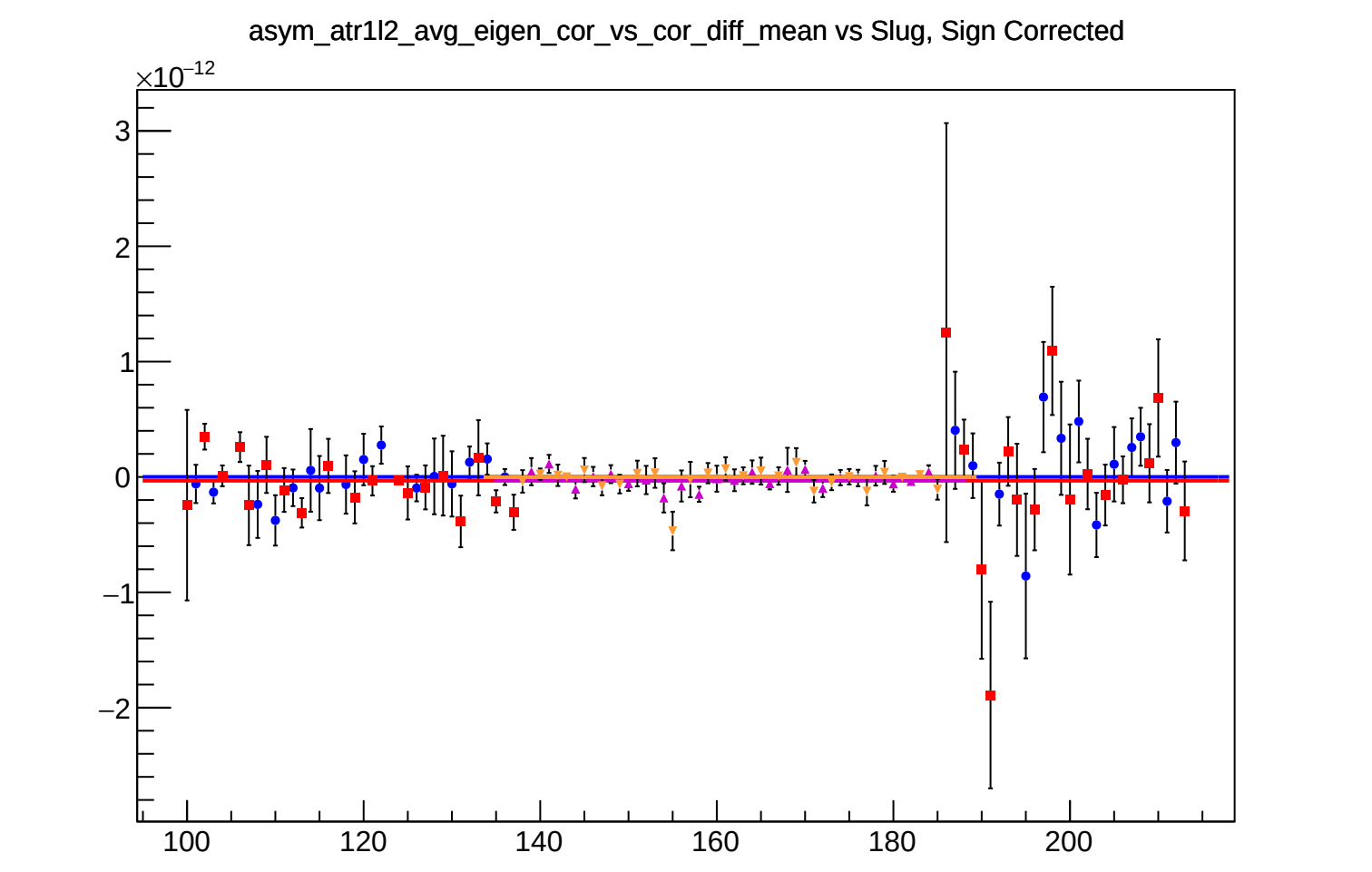
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 143.737+/-0.019 χ^2/NDF: 8136498.9/62

In: 182.565+/-0.025 χ^2/NDF:14365109.8/51

Out: 169.117+/-0.024 χ^2/NDF:19900678.9/58

All: 175.425+/-0.017 χ^2/NDF: 34418482.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/28

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 49.4/33

Left In: -0.000+/-0.000 χ^2/NDF:16.1/22

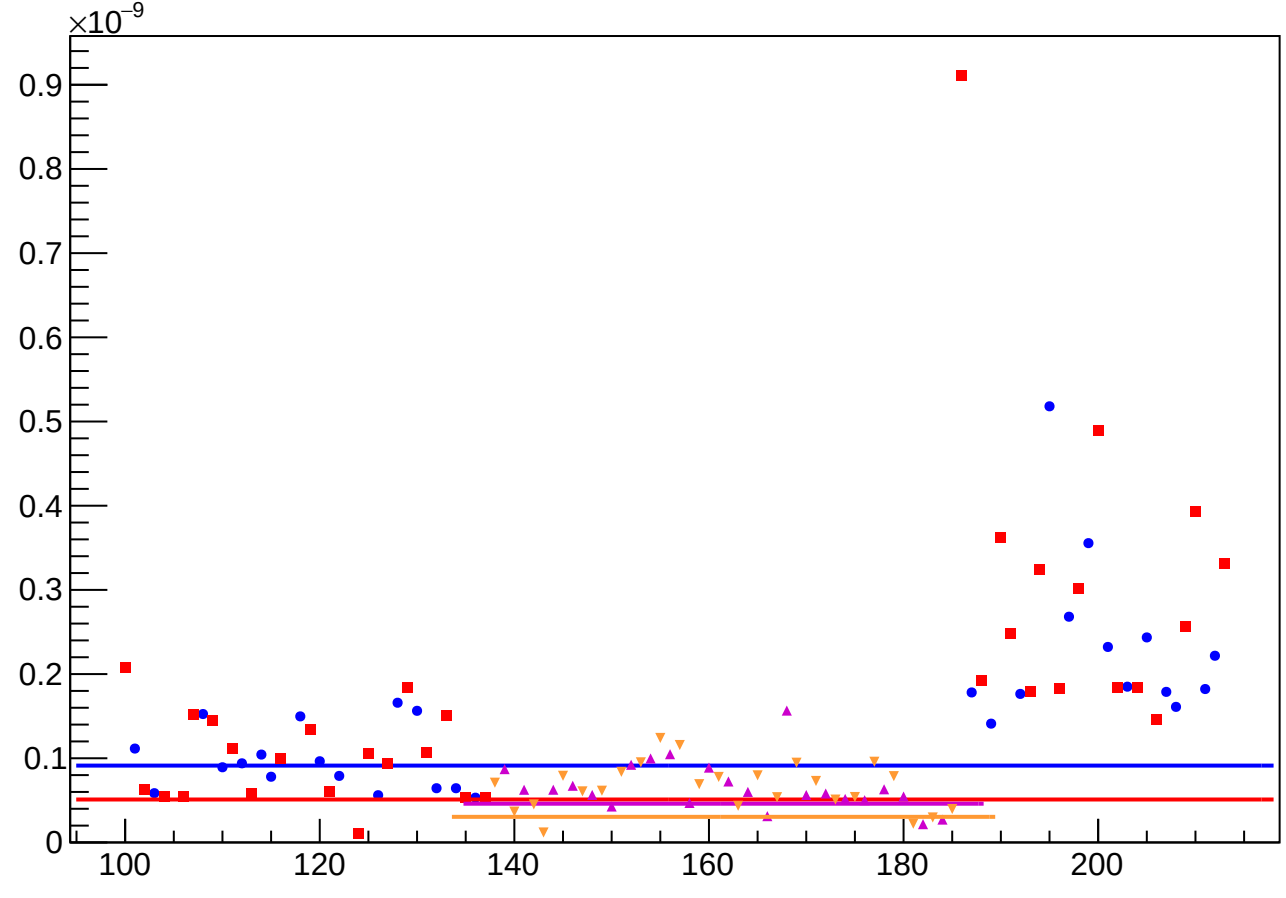
Left: -0.000+/-0.000 χ^2/NDF: 34.9/47

Right: -0.000+/-0.000 χ^2/NDF: 76.1/62

In: -0.000+/-0.000 χ^2/NDF:42.7/51

Out: -0.000+/-0.000 χ^2/NDF:67.6/58

All: -0.000+/-0.000 χ^2/NDF: 111.2/110



Right In: 0.000+/-0.000 χ^2/NDF: 5391325.3/28

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12655223.7/33

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

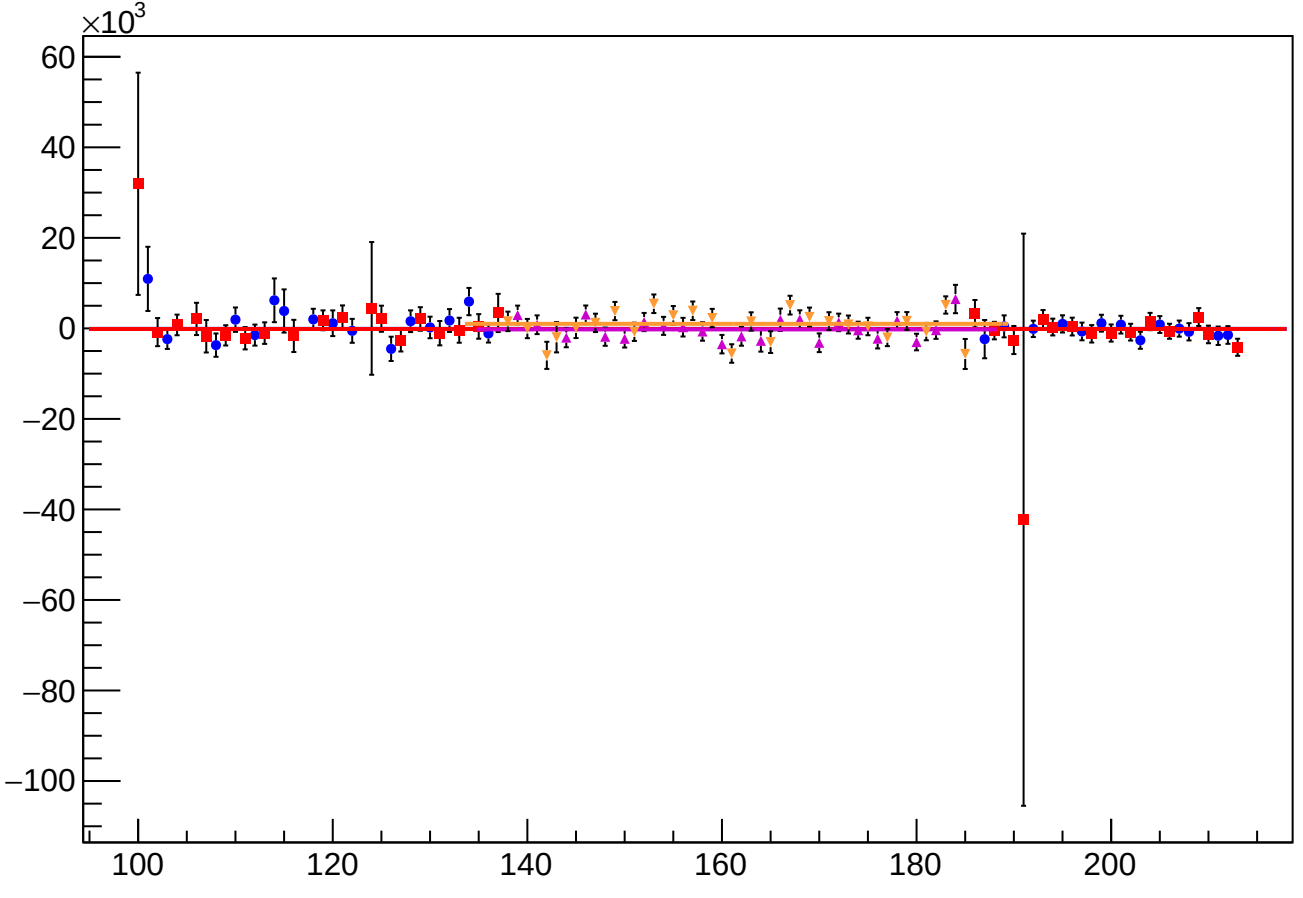
Right: 0.000+/-0.000 χ^2/NDF: 19864932.2/62

In: 0.000+/-0.000 χ^2/NDF:13236268.1/51

Out: 0.000+/-0.000 χ^2/NDF:24355713.5/58

All: 0.000+/-0.000 χ^2/NDF: 40235230.3/110

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -108.210+/-425.419 χ^2/NDF: 22.4/28

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

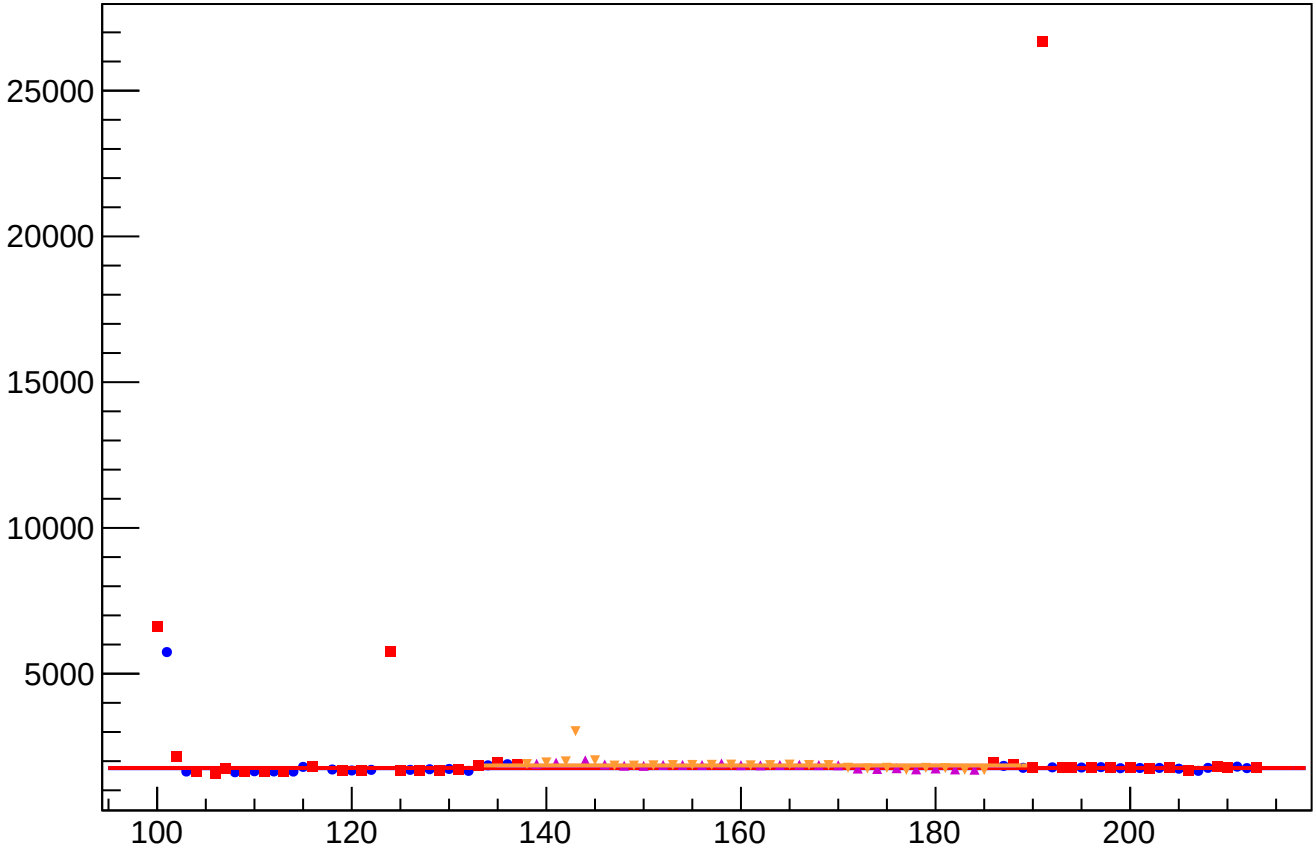
Right: -122.099+/-296.110 χ^2/NDF: 43.3/62

In: -168.159+/-302.318 χ^2/NDF:48.9/51

Out: 420.629+/-295.148 χ^2/NDF:72.0/58

All: 133.299+/-211.191 χ^2/NDF: 122.8/110

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1758.310+/-0.301 χ^2/NDF: 679095.7/28

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

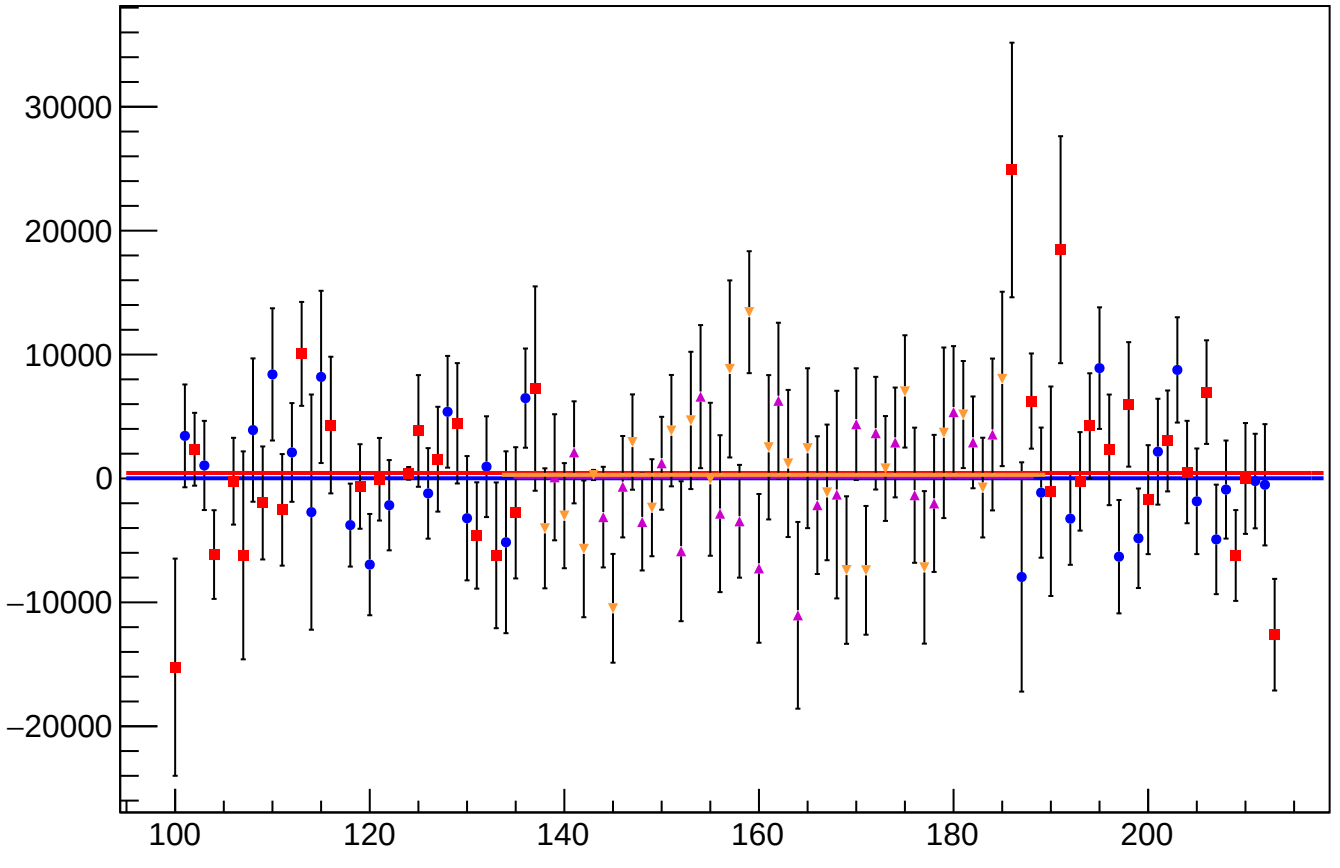
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1762.331+/-0.209 χ^2/NDF: 1325794.6/62

In: 1798.017+/-0.214 χ^2/NDF:782774.1/51

Out: 1808.131+/-0.208 χ^2/NDF:1010381.1/58

All: 1803.203+/-0.149 χ^2/NDF: 1794303.0/11



Right In: 15.334+/-820.166 χ^2/NDF: 29.3/28

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

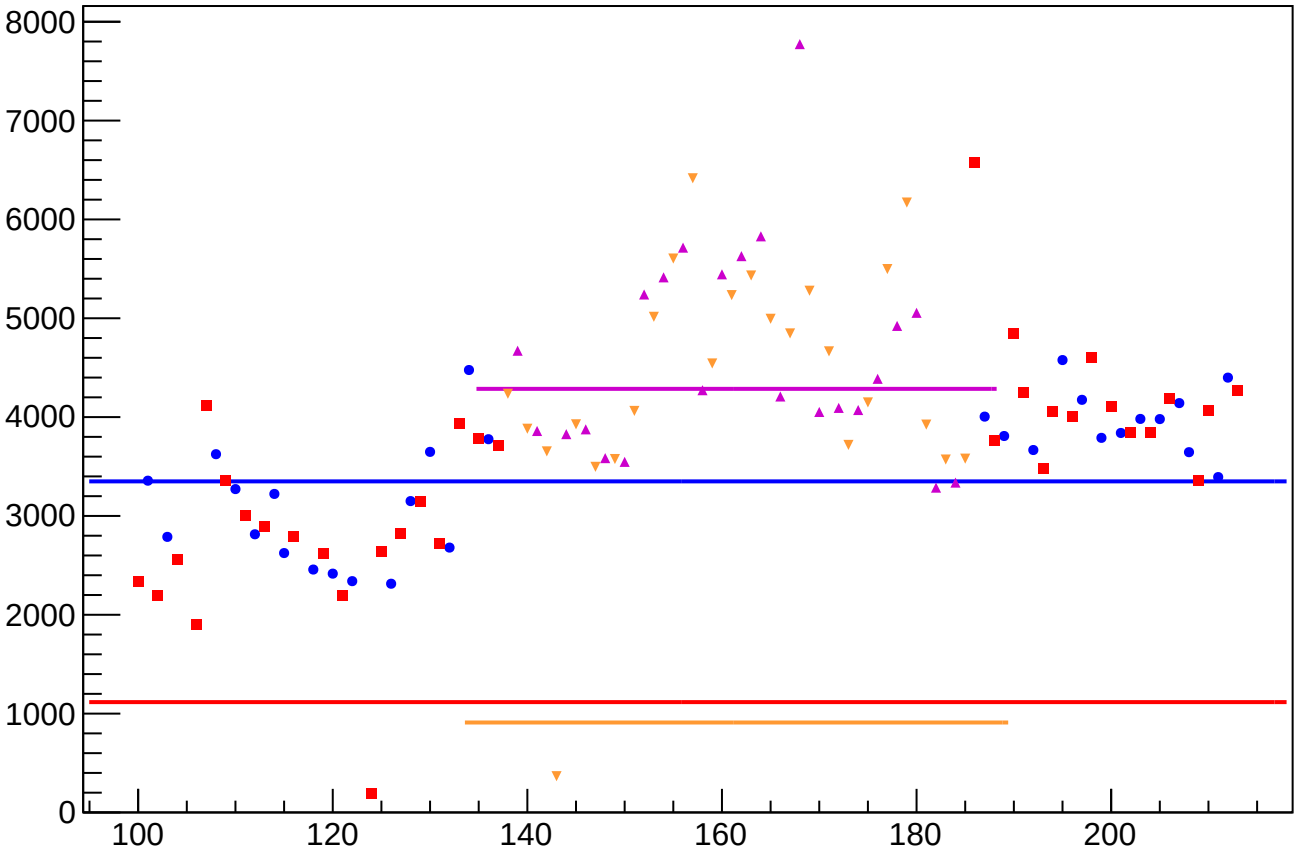
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 352.246+/-378.823 χ^2/NDF: 77.6/62

In: 63.470+/-639.889 χ^2/NDF:43.2/51

Out: 360.316+/-283.869 χ^2/NDF:78.2/58

All: 311.502+/-259.482 χ^2/NDF: 121.6/110



Right In: 3349.729+/-0.580 χ^2/NDF: 1343246.5/28

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

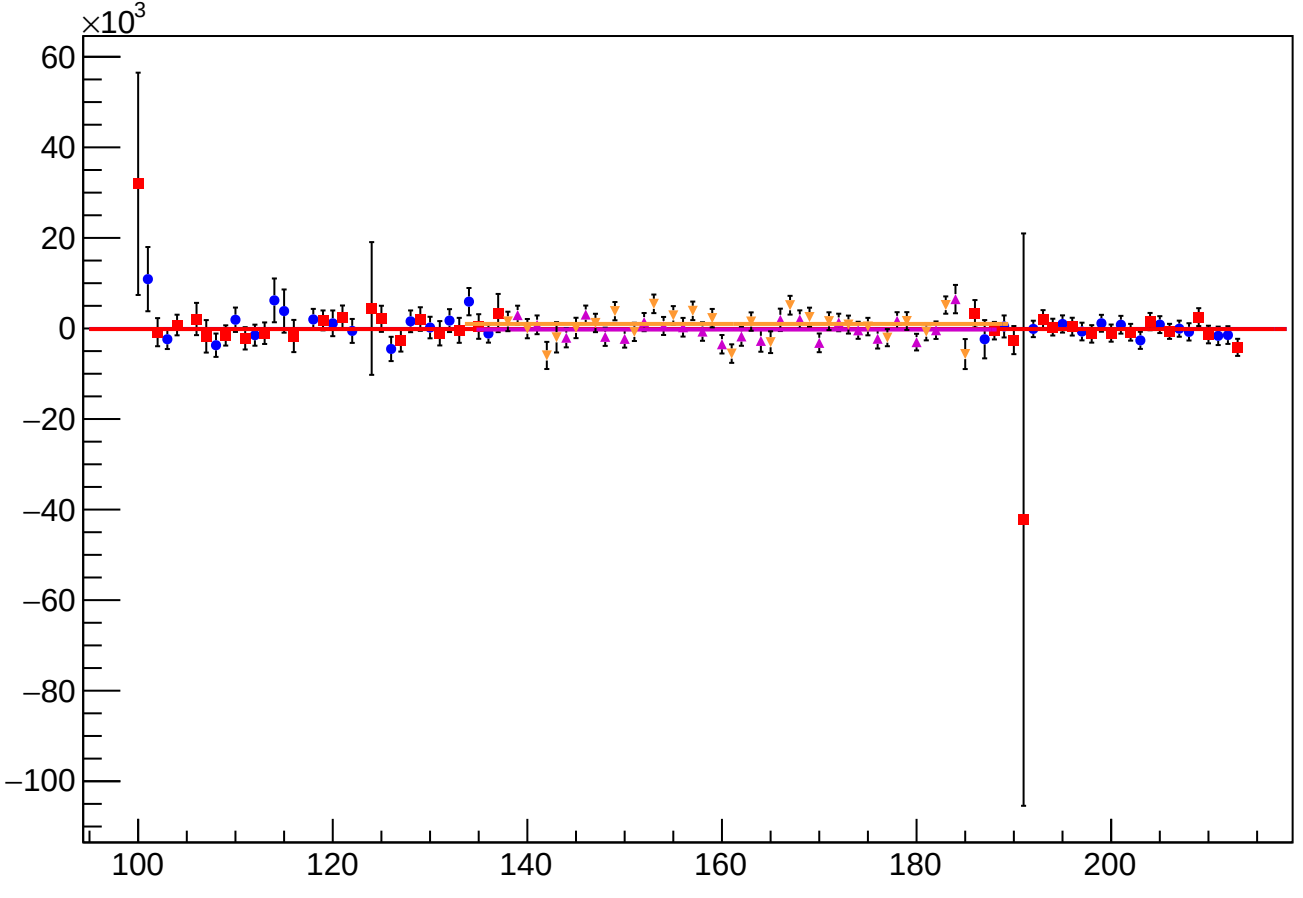
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1592.854+/-0.268 χ^2/NDF: 36886176.9/62

In: 3716.026+/-0.452 χ^2/NDF:3690692.0/51

Out: 1001.247+/-0.201 χ^2/NDF:50911501.6/58

All: 1447.663+/-0.183 χ^2/NDF: 84681499.2/1



Right In: -108.373+/-425.419 χ^2/NDF: 22.4/28

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

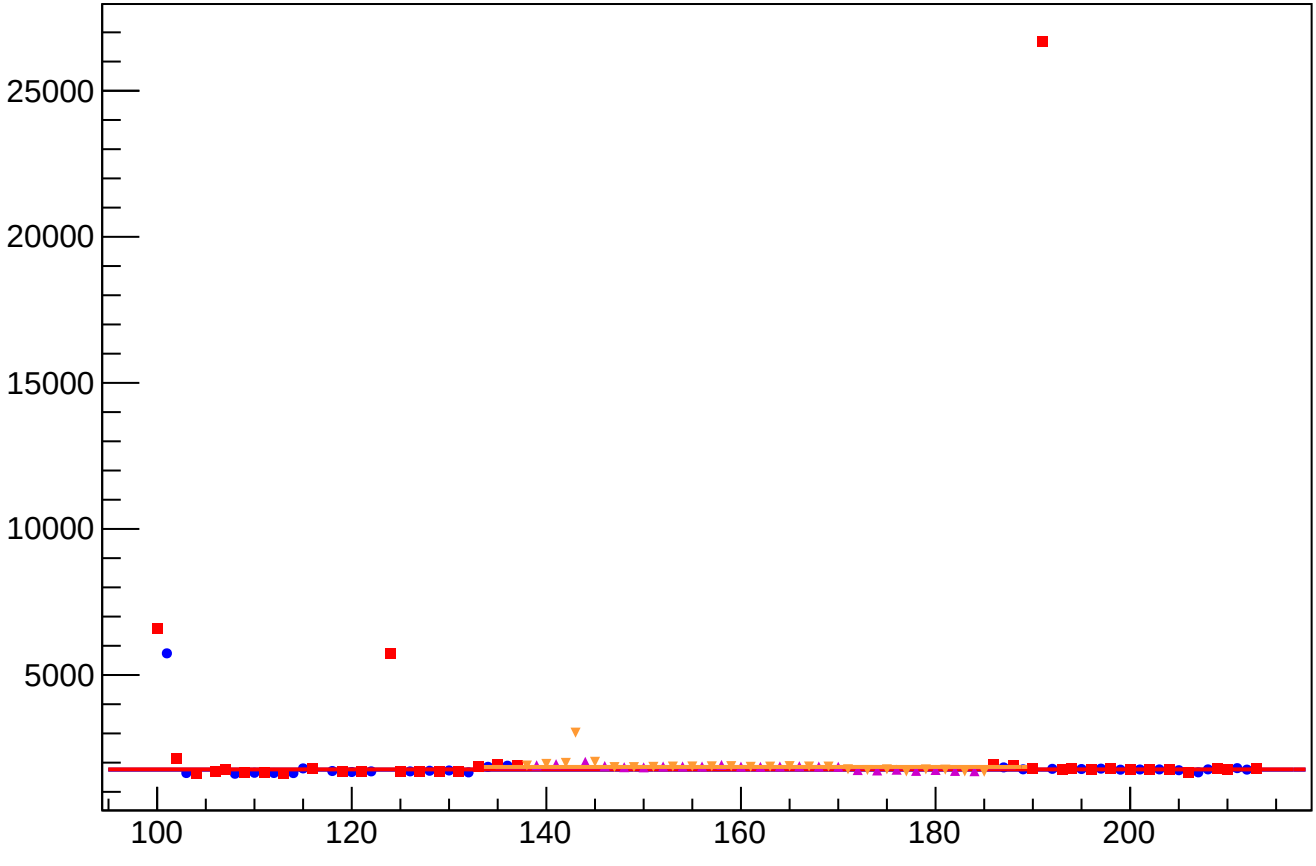
Right: -122.181+/-296.110 χ^2/NDF: 43.3/62

In: -168.199+/-302.318 χ^2/NDF:48.8/51

Out: 420.605+/-295.148 χ^2/NDF:72.0/58

All: 133.268+/-211.191 χ^2/NDF: 122.8/110

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1758.309+/-0.301 χ^2/NDF: 679095.9/28

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

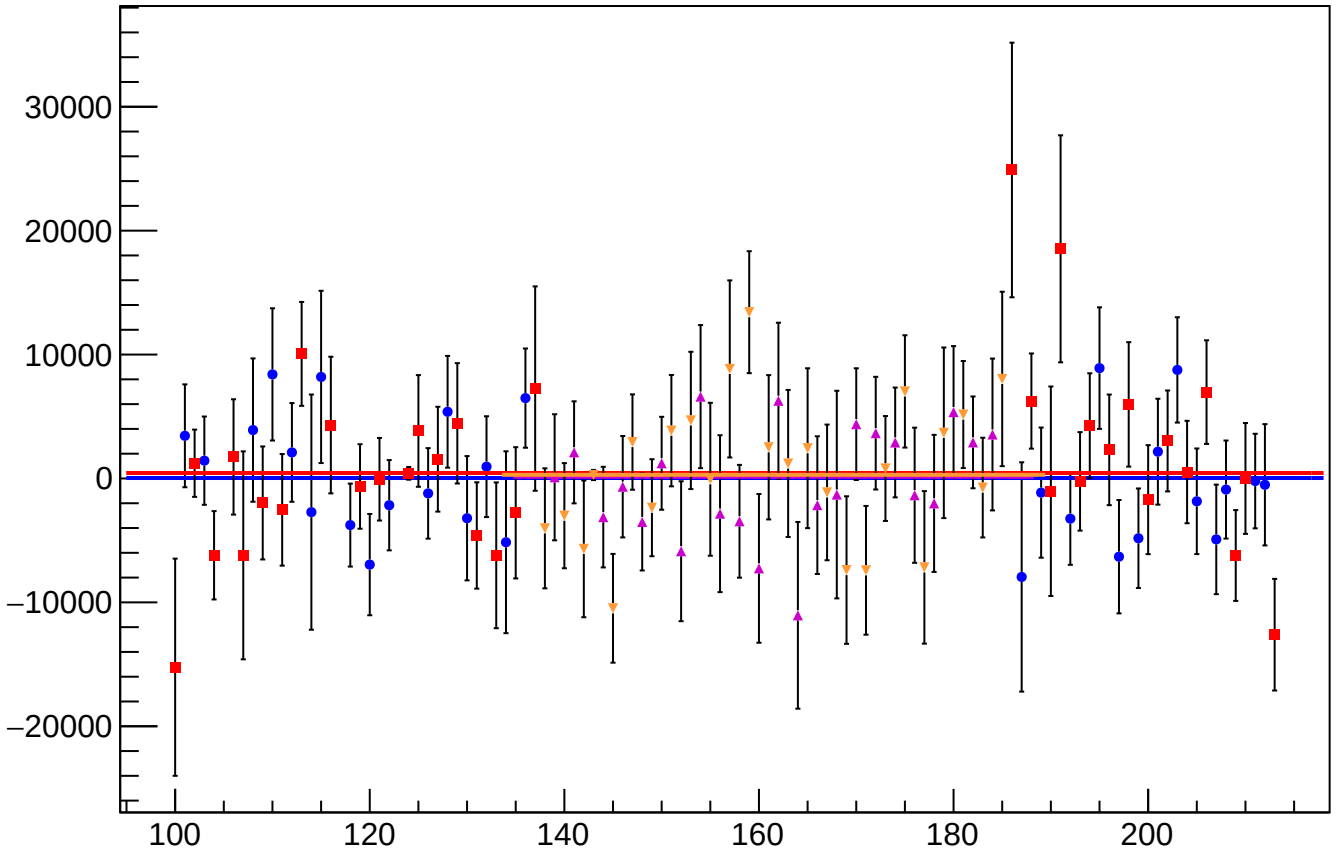
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1763.742+/-0.209 χ^2/NDF: 1317928.1/62

In: 1798.017+/-0.214 χ^2/NDF:782774.4/51

Out: 1809.601+/-0.209 χ^2/NDF:999486.3/58

All: 1803.953+/-0.149 χ^2/NDF: 1783765.2/11



Right In: 36.924+/-819.736 χ^2/NDF: 29.3/28

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

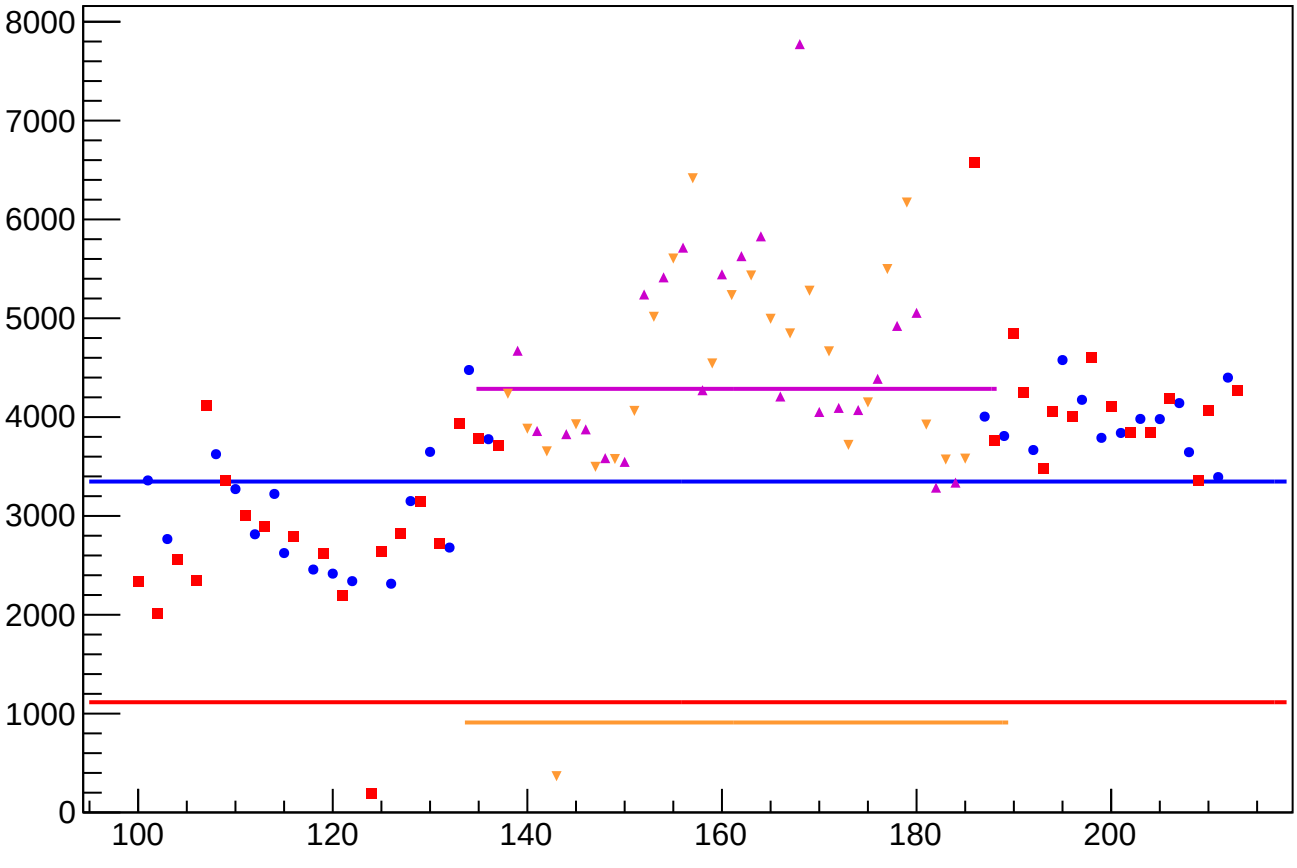
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 355.327+/-379.298 χ^2/NDF: 77.5/62

In: 76.556+/-639.684 χ^2/NDF:43.2/51

Out: 360.015+/-284.099 χ^2/NDF:78.1/58

All: 313.315+/-259.644 χ^2/NDF: 121.5/110



Right In: 3348.040+/-0.580 χ^2/NDF: 1348254.0/28

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

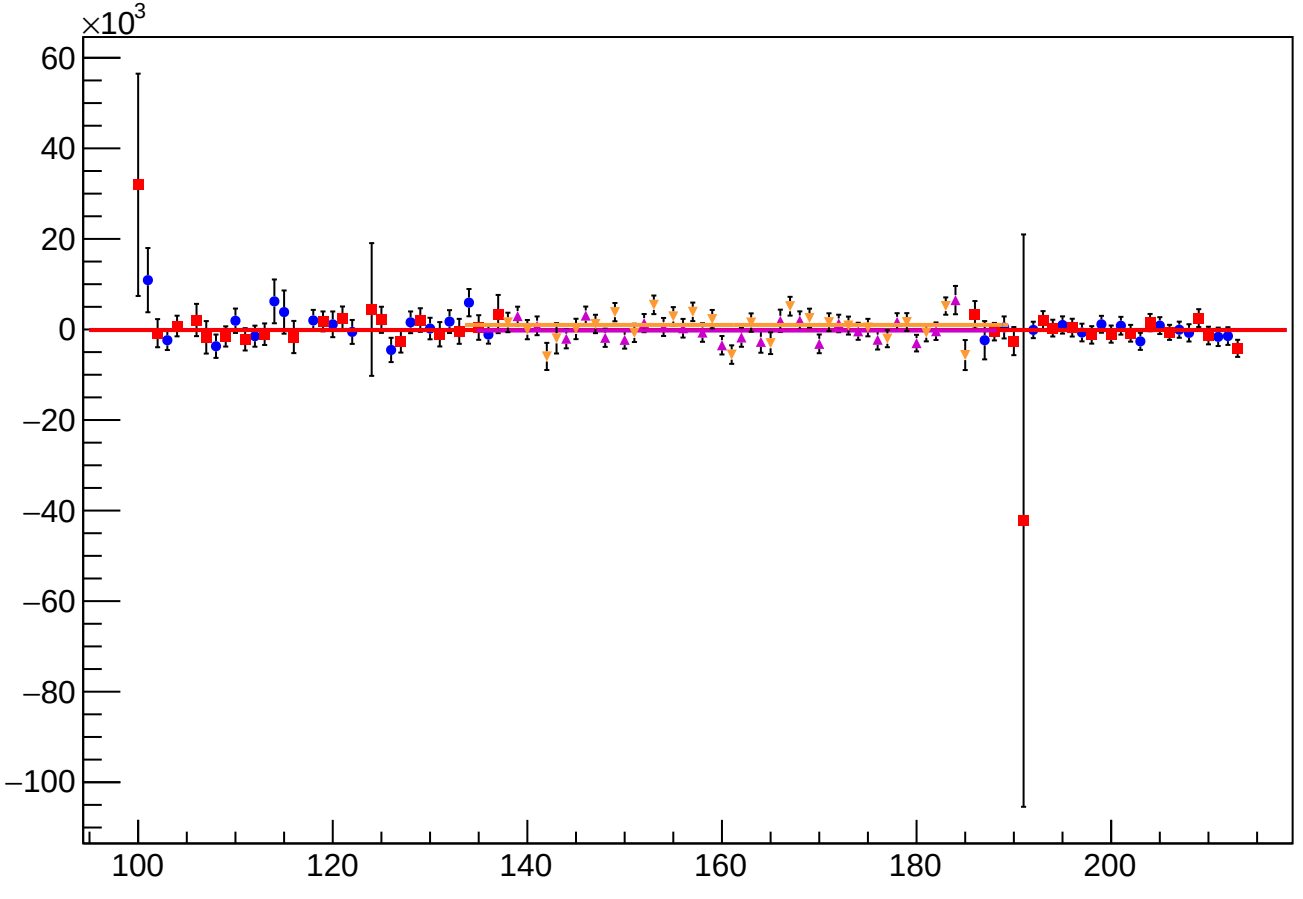
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1593.264+/-0.268 χ^2/NDF: 36861722.0/62

In: 3714.760+/-0.452 χ^2/NDF:3699795.3/51

Out: 1000.626+/-0.201 χ^2/NDF:50881511.0/58

All: 1447.779+/-0.184 χ^2/NDF: 84654401.3/1



Right In: -108.373+/-425.419 χ^2/NDF: 22.4/28

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

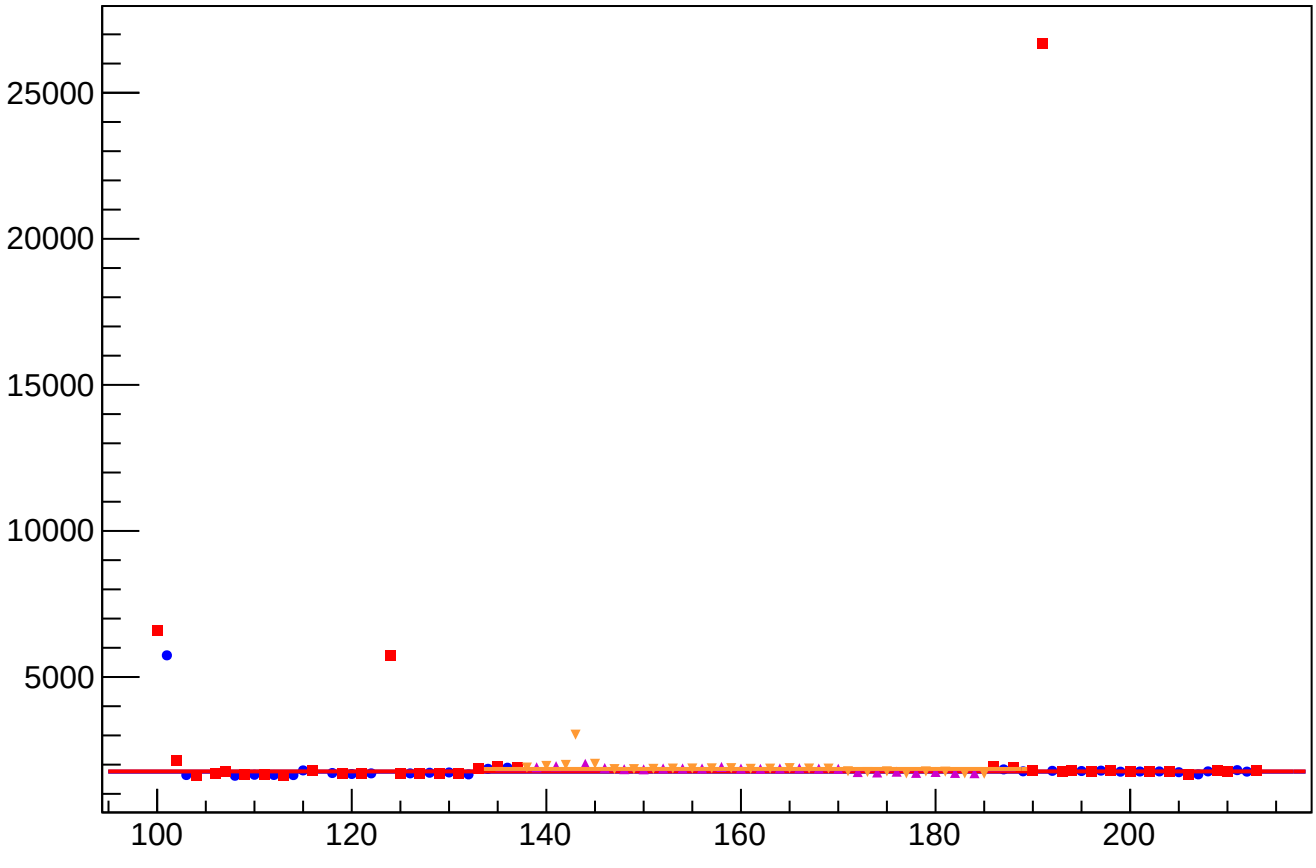
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: -122.181+/-296.110 χ^2/NDF: 43.3/62

In: -168.199+/-302.318 χ^2/NDF:48.8/51

Out: 420.605+/-295.148 χ^2/NDF:72.0/58

All: 133.268+/-211.191 χ^2/NDF: 122.8/110



Right In: 1758.309+/-0.301 χ^2/NDF: 679095.9/28

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

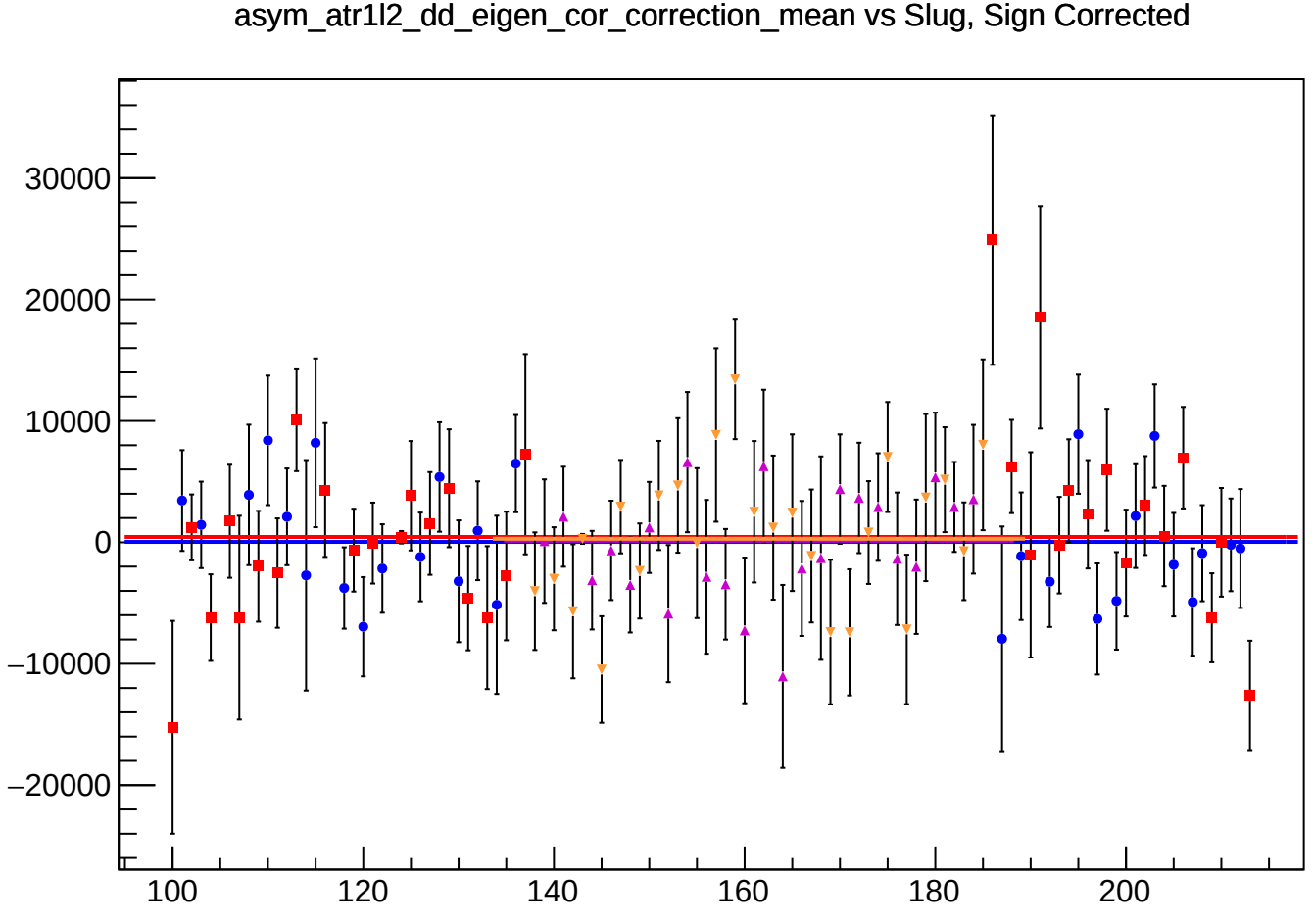
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1763.742+/-0.209 χ^2/NDF: 1317928.1/62

In: 1798.017+/-0.214 χ^2/NDF:782774.4/51

Out: 1809.601+/-0.209 χ^2/NDF:999486.3/58

All: 1803.953+/-0.149 χ^2/NDF: 1783765.2/11



Right In: 36.924+/-819.736 χ^2/NDF: 29.3/28

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

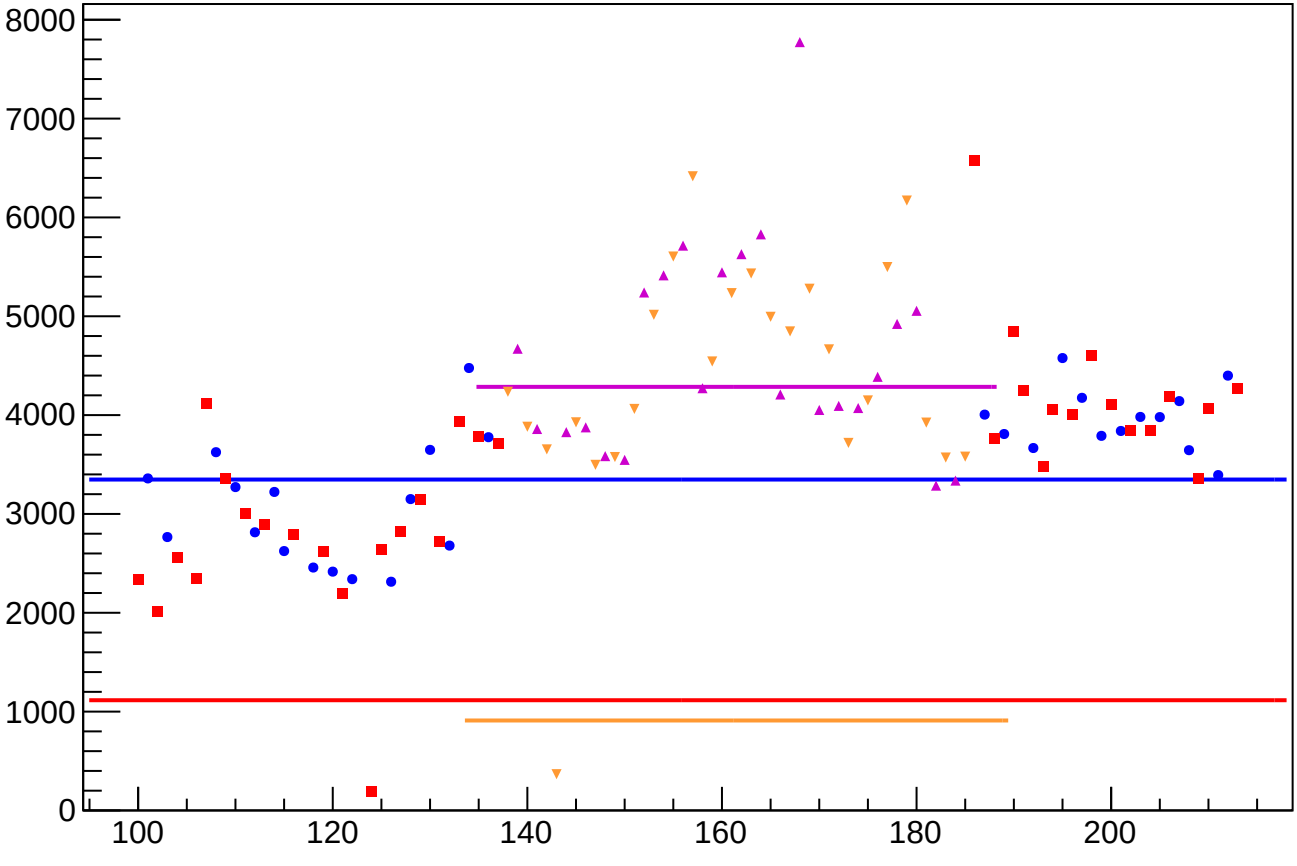
Right: 355.327+/-379.298 χ^2/NDF: 77.5/62

In: 76.556+/-639.684 χ^2/NDF:43.2/51

Out: 360.015+/-284.099 χ^2/NDF:78.1/58

All: 313.315+/-259.644 χ^2/NDF: 121.5/110

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3348.040+/-0.580 χ^2/NDF: 1348254.0/28

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

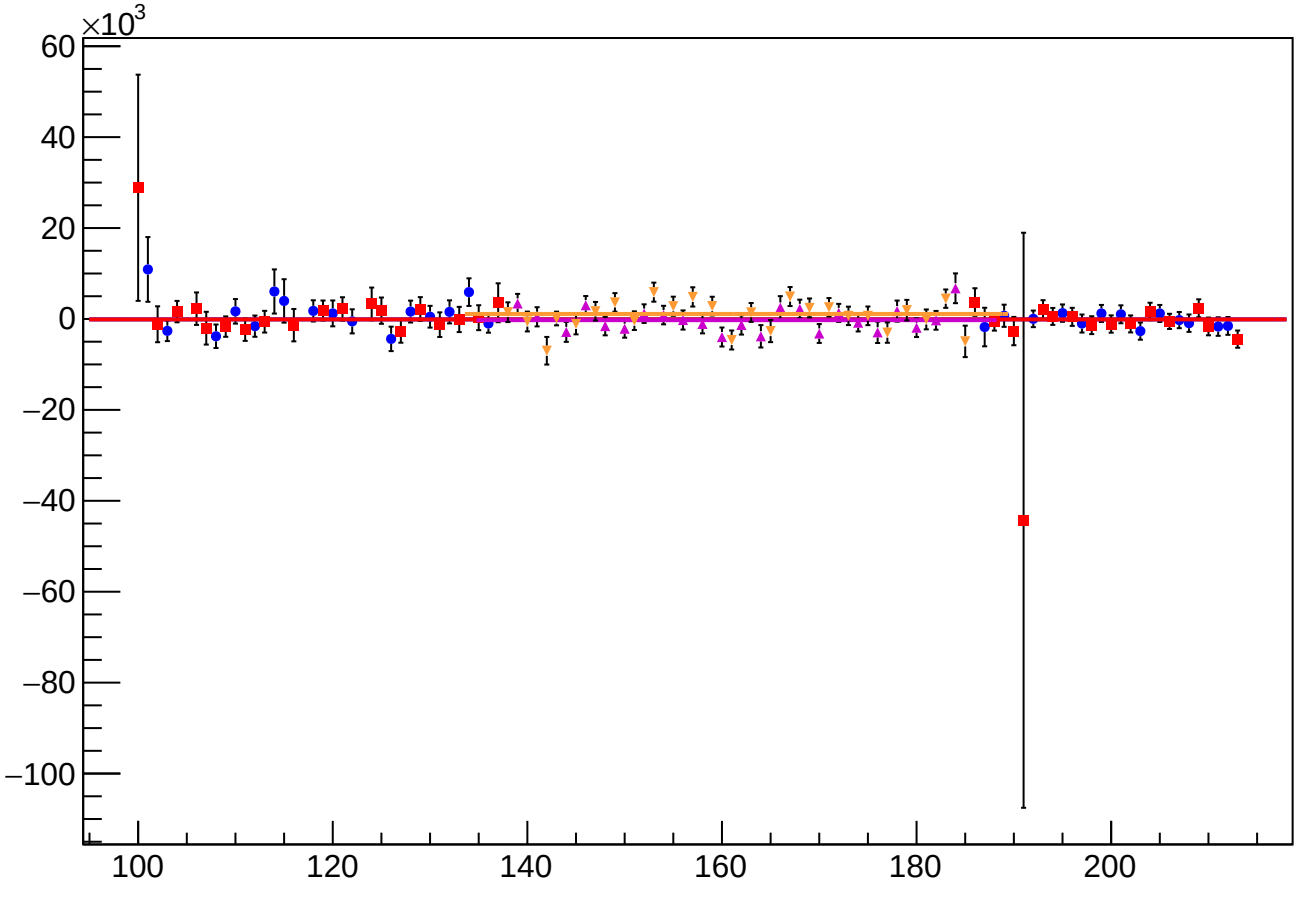
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1593.264+/-0.268 χ^2/NDF: 36861722.0/62

In: 3714.760+/-0.452 χ^2/NDF:3699795.3/51

Out: 1000.626+/-0.201 χ^2/NDF:50881511.0/58

All: 1447.779+/-0.184 χ^2/NDF: 84654401.3/1



Right In: -90.446+/-427.882 χ^2/NDF: 22.9/28

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

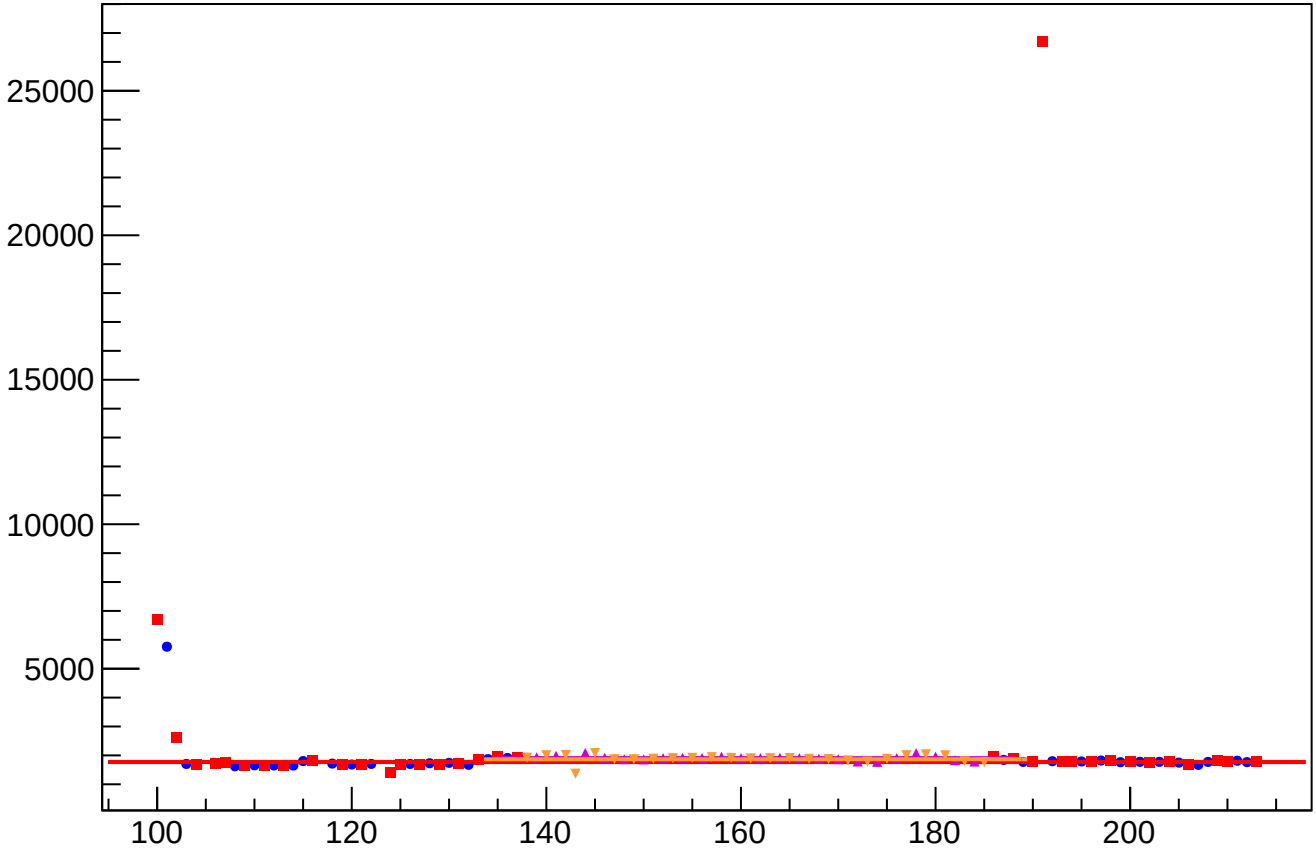
Right: -93.526+/-297.379 χ^2/NDF: 46.3/62

In: -174.044+/-308.550 χ^2/NDF:50.6/51

Out: 486.691+/-296.515 χ^2/NDF:72.3/58

All: 169.460+/-213.796 χ^2/NDF: 125.3/110

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1768.490+/-0.303 χ^2/NDF: 678074.9/28

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

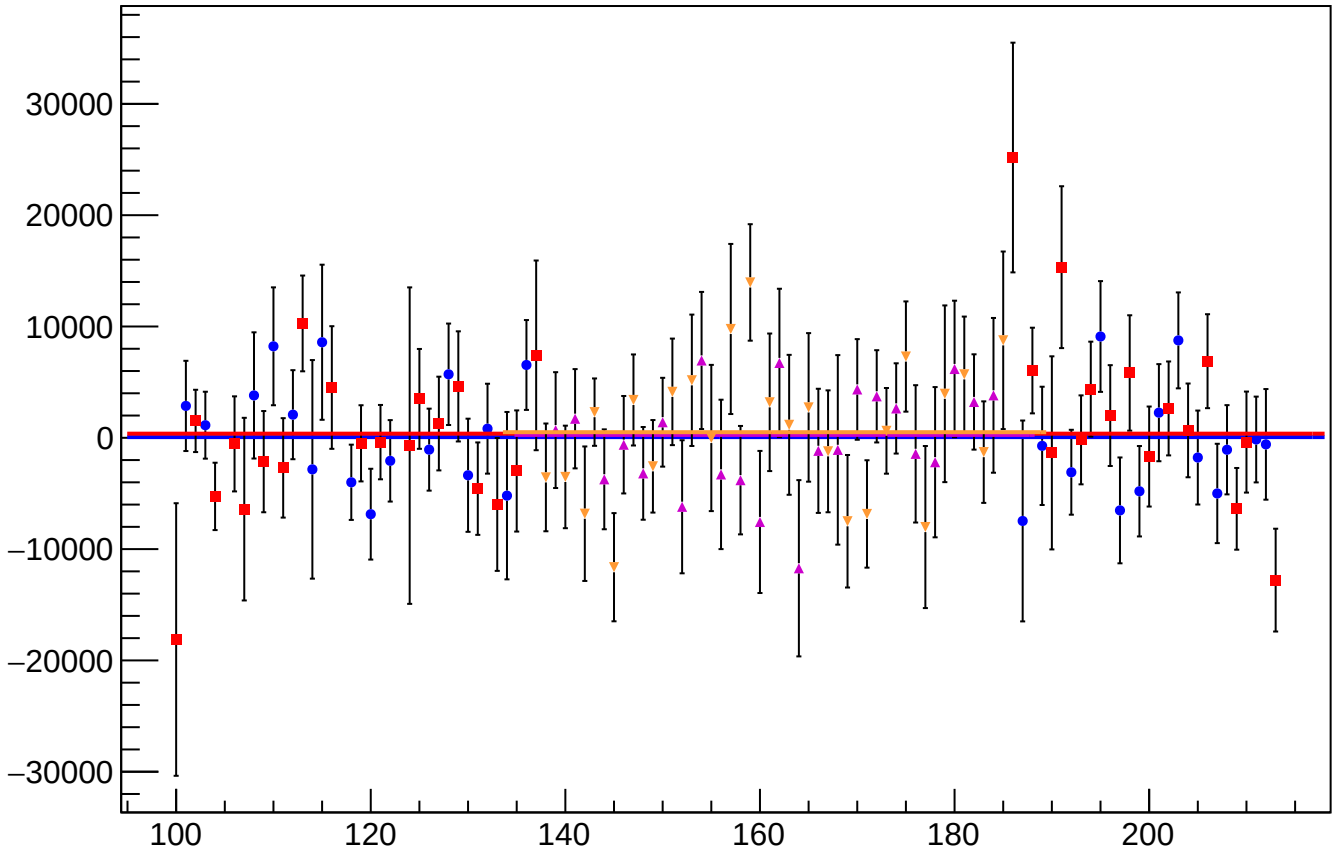
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1771.305+/-0.210 χ^2/NDF: 1248239.7/62

In: 1834.316+/-0.218 χ^2/NDF:829469.7/51

Out: 1818.063+/-0.210 χ^2/NDF:911727.1/58

All: 1825.861+/-0.151 χ^2/NDF: 1744083.7/11



Right In: 62.806+/-816.643 χ^2/NDF: 29.0/28

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

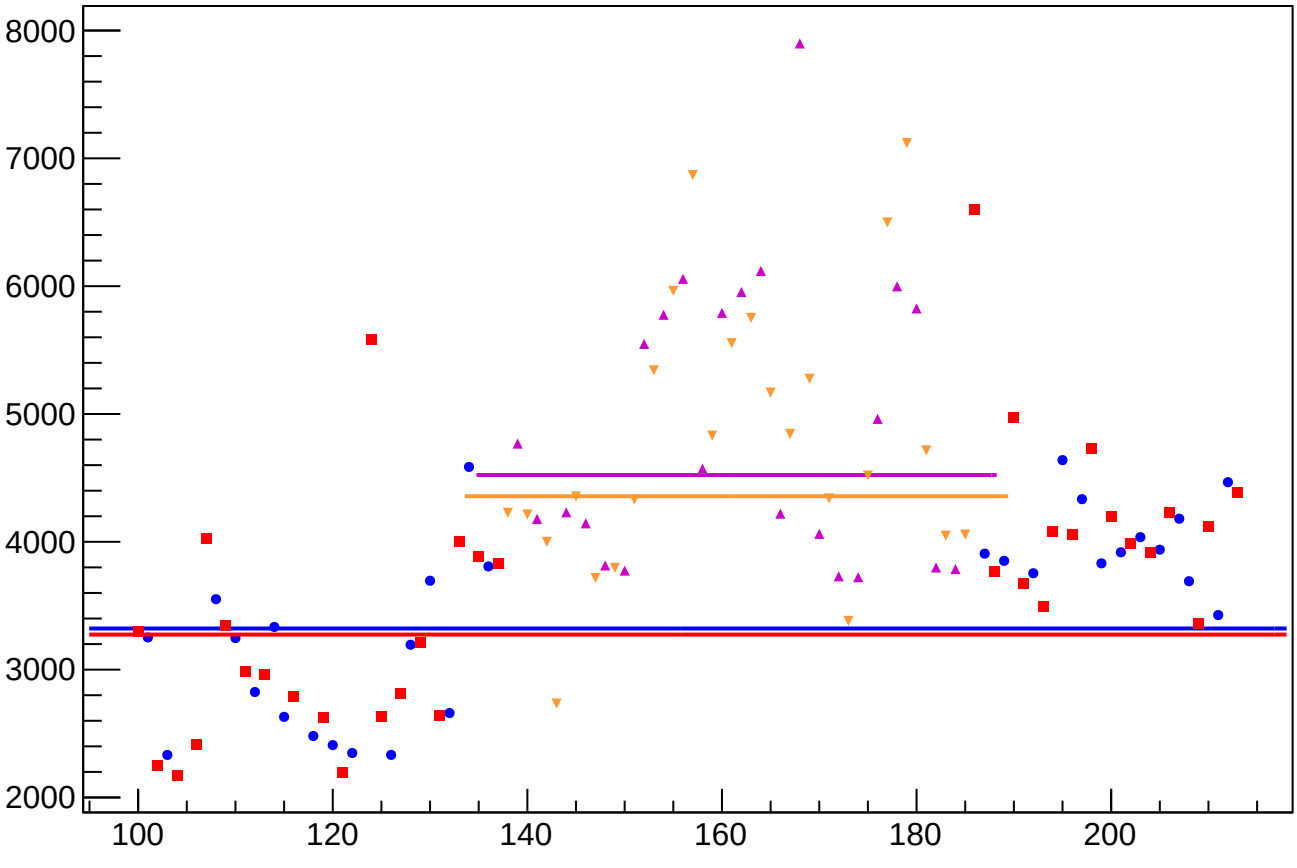
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 224.918+/-562.606 χ^2/NDF: 76.2/62

In: 134.803+/-651.693 χ^2/NDF:42.7/51

Out: 420.000+/-618.057 χ^2/NDF:77.1/58

All: 284.951+/-448.452 χ^2/NDF: 119.9/110



Right In: 3321.937+/-0.577 χ^2/NDF: 1582285.0/28

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

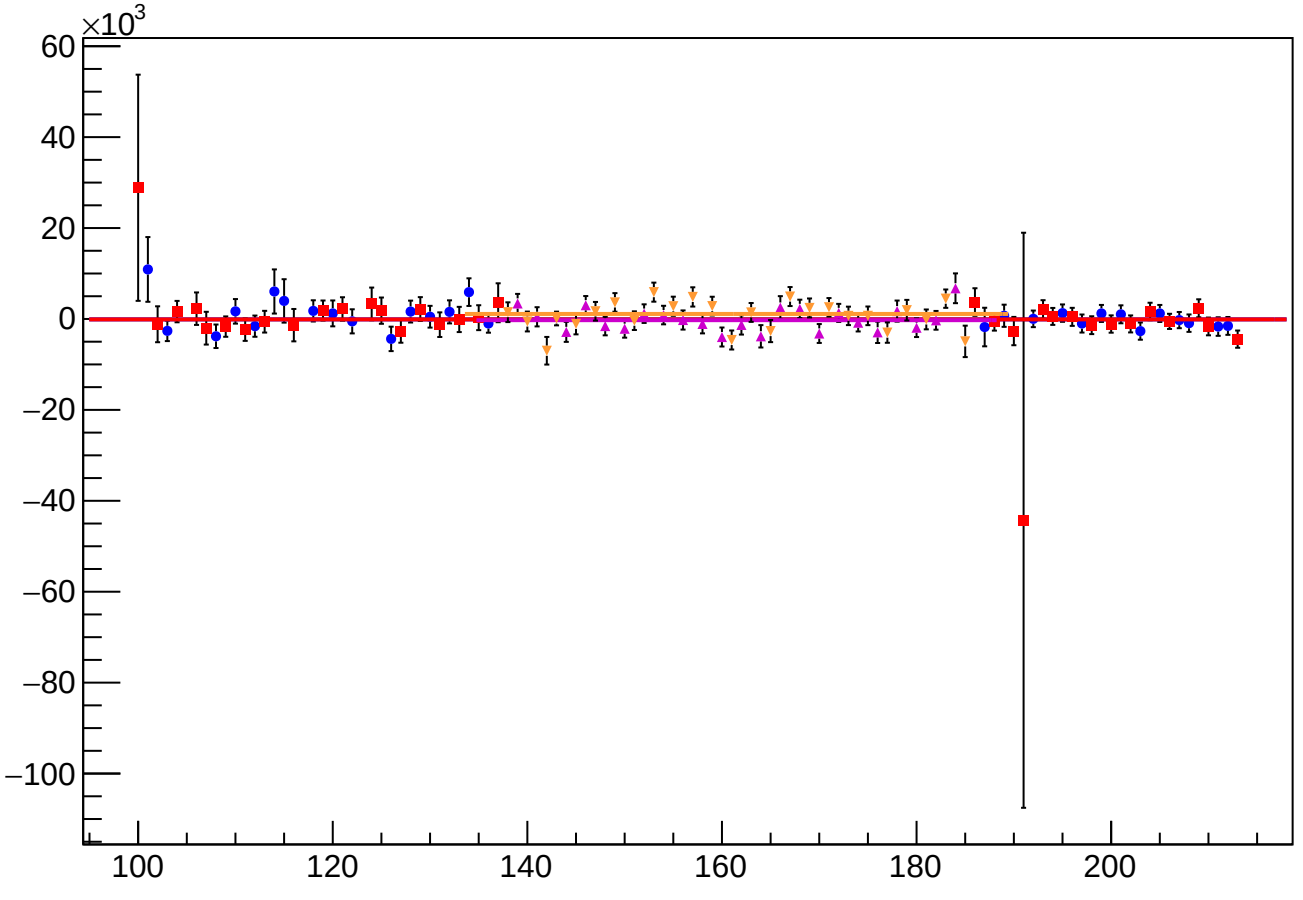
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3296.983+/-0.398 χ^2/NDF: 3857117.3/62

In: 3758.052+/-0.461 χ^2/NDF:4586857.7/51

Out: 3670.475+/-0.437 χ^2/NDF:5606376.1/58

All: 3711.945+/-0.317 χ^2/NDF: 10212249.0/1



Right In: -90.448+/-427.882 χ^2/NDF: 22.9/28

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

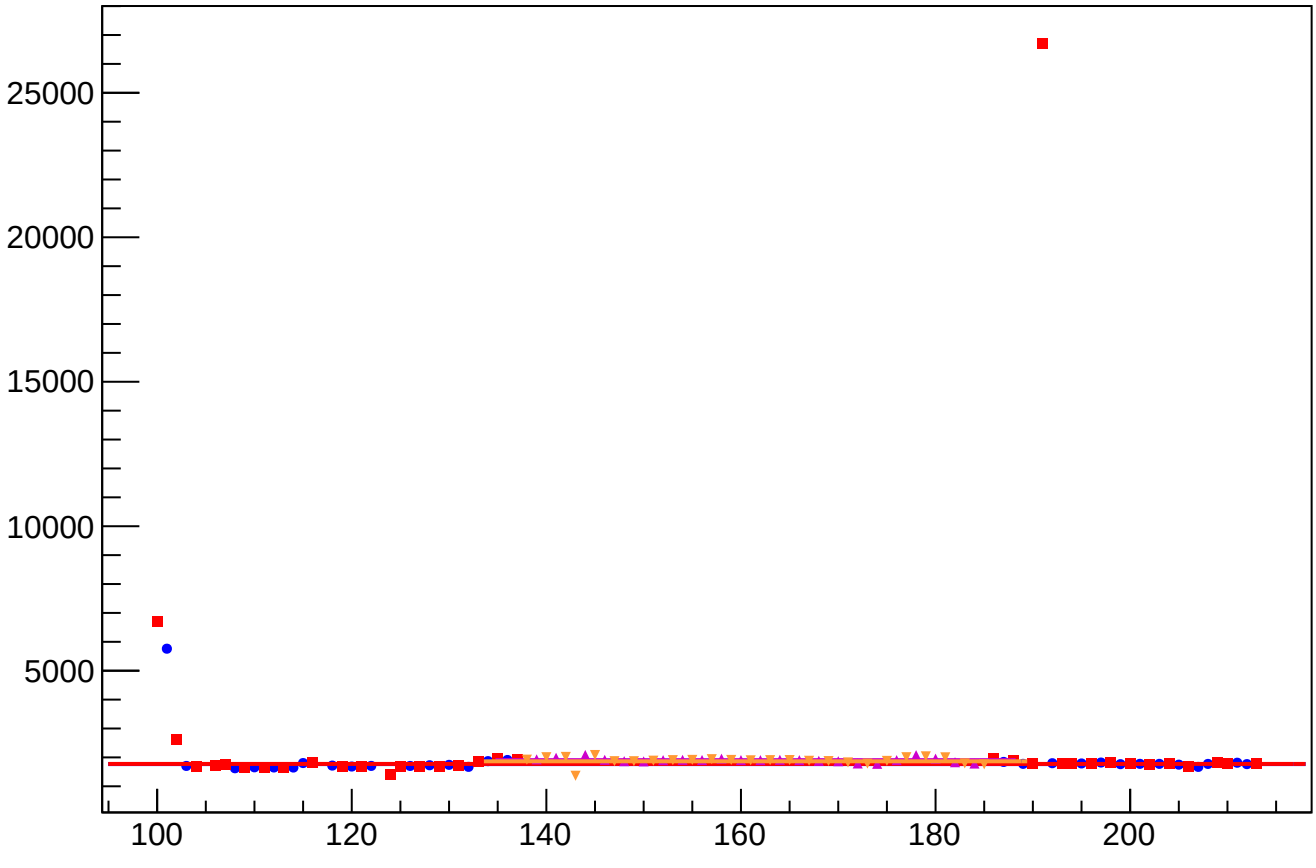
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: -93.527+/-297.379 χ^2/NDF: 46.3/62

In: -174.045+/-308.550 χ^2/NDF:50.6/51

Out: 486.691+/-296.516 χ^2/NDF:72.3/58

All: 169.460+/-213.796 χ^2/NDF: 125.3/110



Right In: 1768.490+/-0.303 χ^2/NDF: 678074.9/28

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

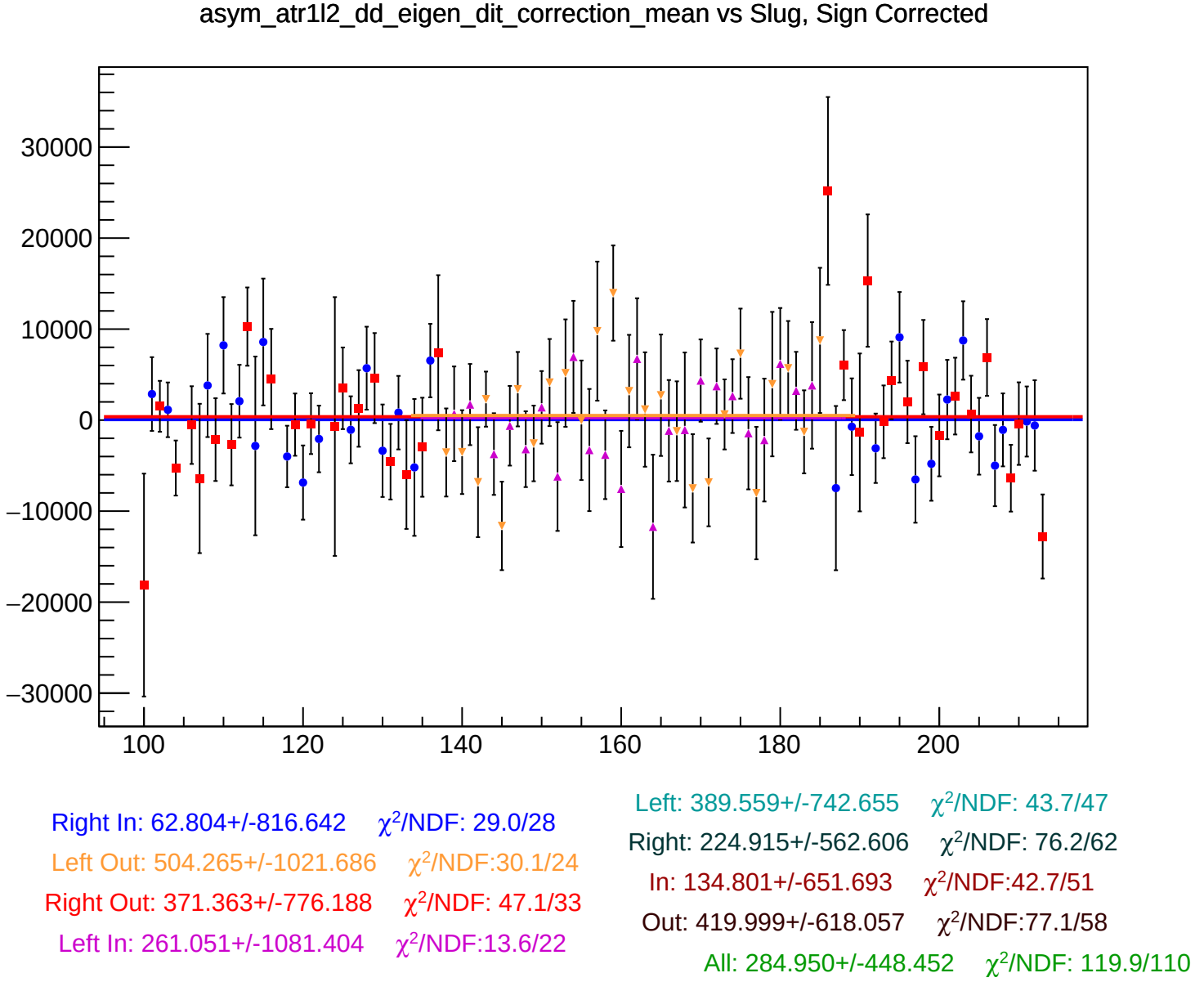
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

Right: 1771.305+/-0.210 χ^2/NDF: 1248239.8/62

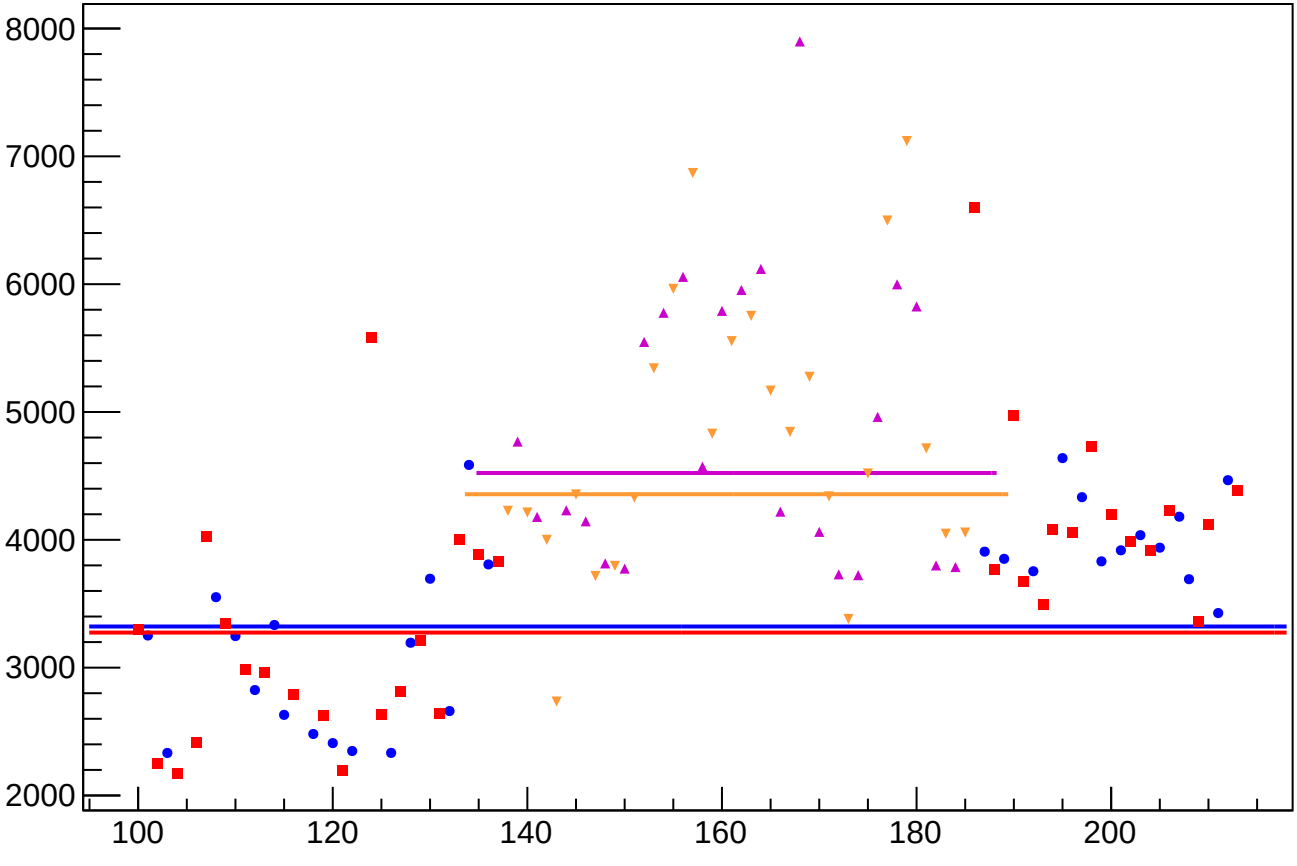
In: 1834.317+/-0.218 χ^2/NDF:829473.4/51

Out: 1818.063+/-0.210 χ^2/NDF:911731.3/58

All: 1825.862+/-0.151 χ^2/NDF: 1744091.6/11


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 62.804+/-816.642 χ²/NDF: 29.0/28
Left Out: 504.265+/-1021.686 χ²/NDF:30.1/24
Right Out: 371.363+/-776.188 χ²/NDF: 47.1/33
Left In: 261.051+/-1081.404 χ²/NDF:13.6/22
Left: 389.559+/-742.655 χ²/NDF: 43.7/47
Right: 224.915+/-562.606 χ²/NDF: 76.2/62
In: 134.801+/-651.693 χ²/NDF:42.7/51
Out: 419.999+/-618.057 χ²/NDF:77.1/58
All: 284.950+/-448.452 χ²/NDF: 119.9/110

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3321.934+/-0.577 χ^2/NDF: 1582317.2/28

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

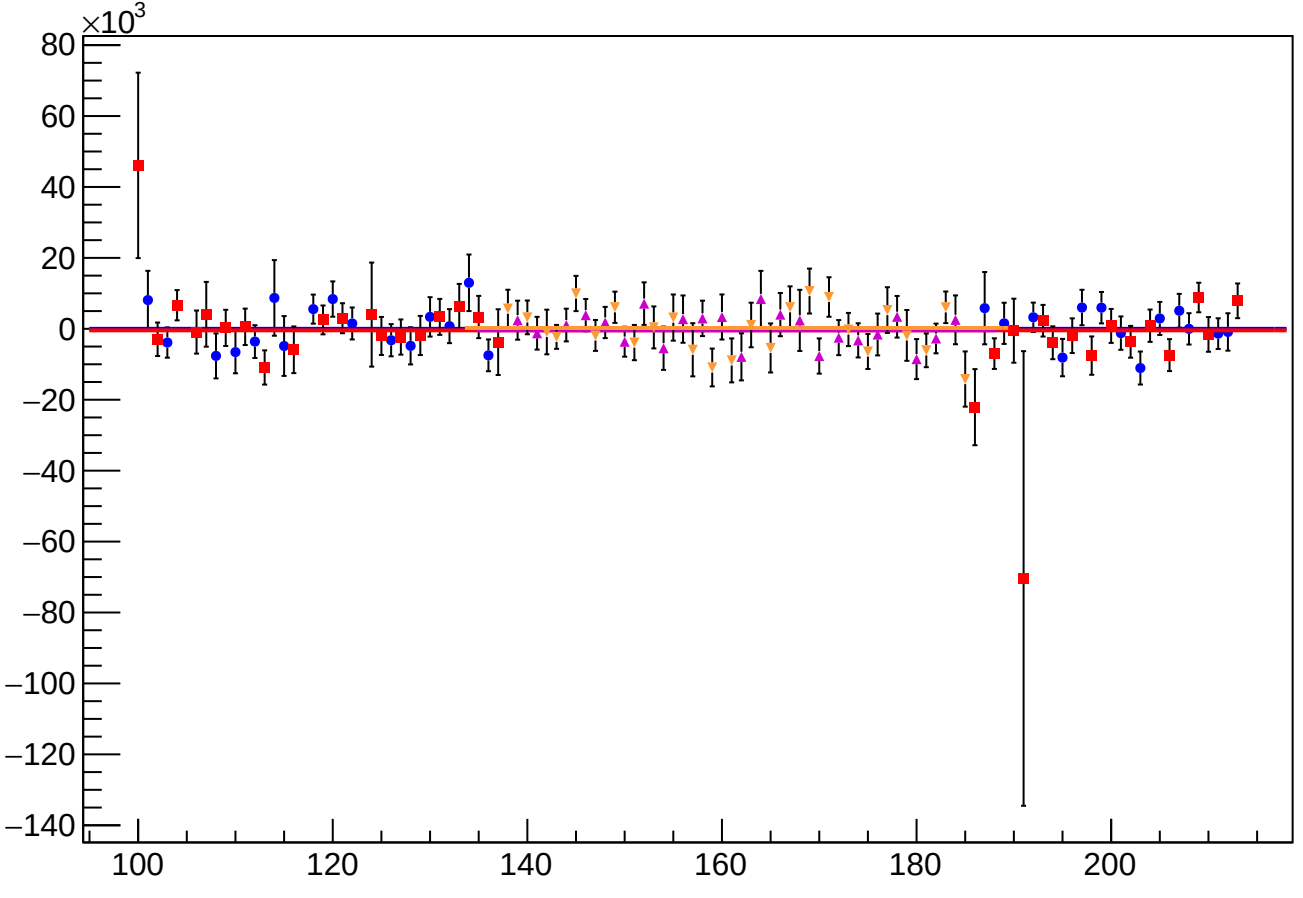
Right: 3296.981+/-0.398 χ^2/NDF: 3857169.2/62

In: 3758.052+/-0.461 χ^2/NDF:4586915.6/51

Out: 3670.474+/-0.437 χ^2/NDF:5606424.0/58

All: 3711.945+/-0.317 χ^2/NDF: 10212354.9/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -7.856+/-947.377 χ^2/NDF: 32.0/28

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

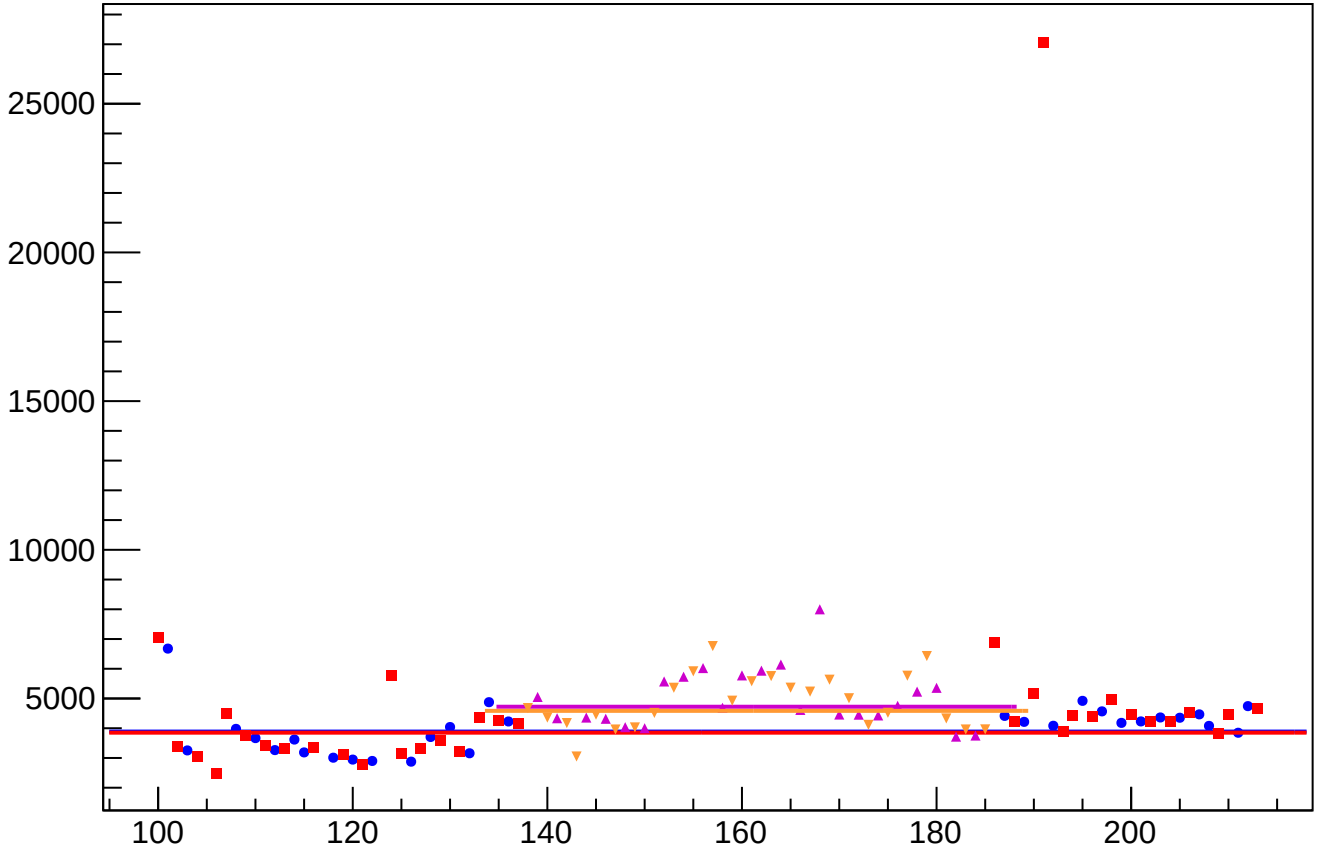
Right: -223.570+/-658.212 χ^2/NDF: 69.0/62

In: -170.304+/-723.671 χ^2/NDF:46.3/51

Out: -142.377+/-694.003 χ^2/NDF:69.3/58

All: -155.756+/-500.894 χ^2/NDF: 115.6/110

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3887.944+/-0.670 χ^2/NDF: 1054956.8/28

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

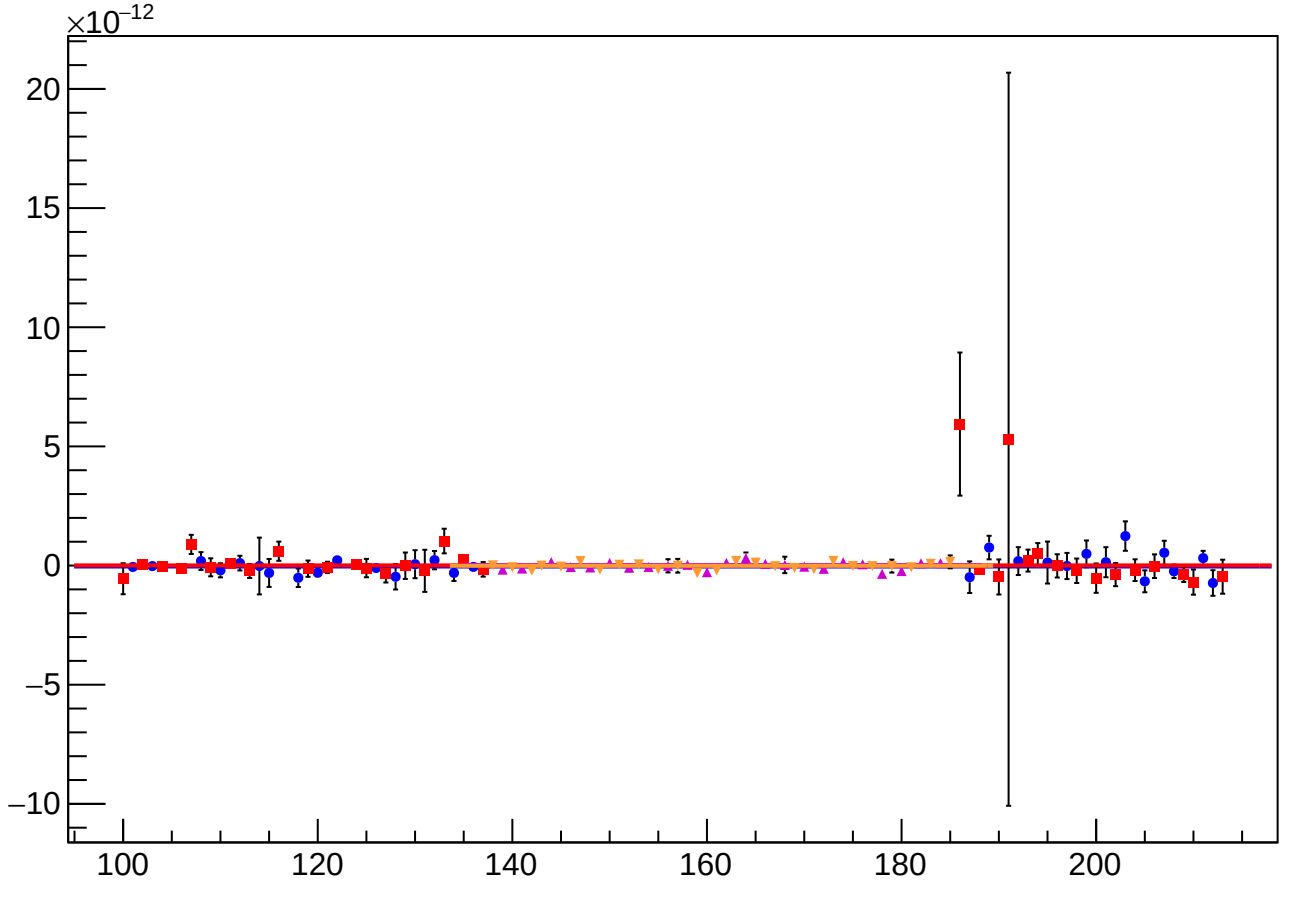
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3868.874+/-0.464 χ^2/NDF: 2561147.3/62

In: 4235.755+/-0.512 χ^2/NDF:2718789.7/51

Out: 4160.340+/-0.489 χ^2/NDF:3365408.7/58

All: 4196.312+/-0.353 χ^2/NDF: 6095558.3/11



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/28

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

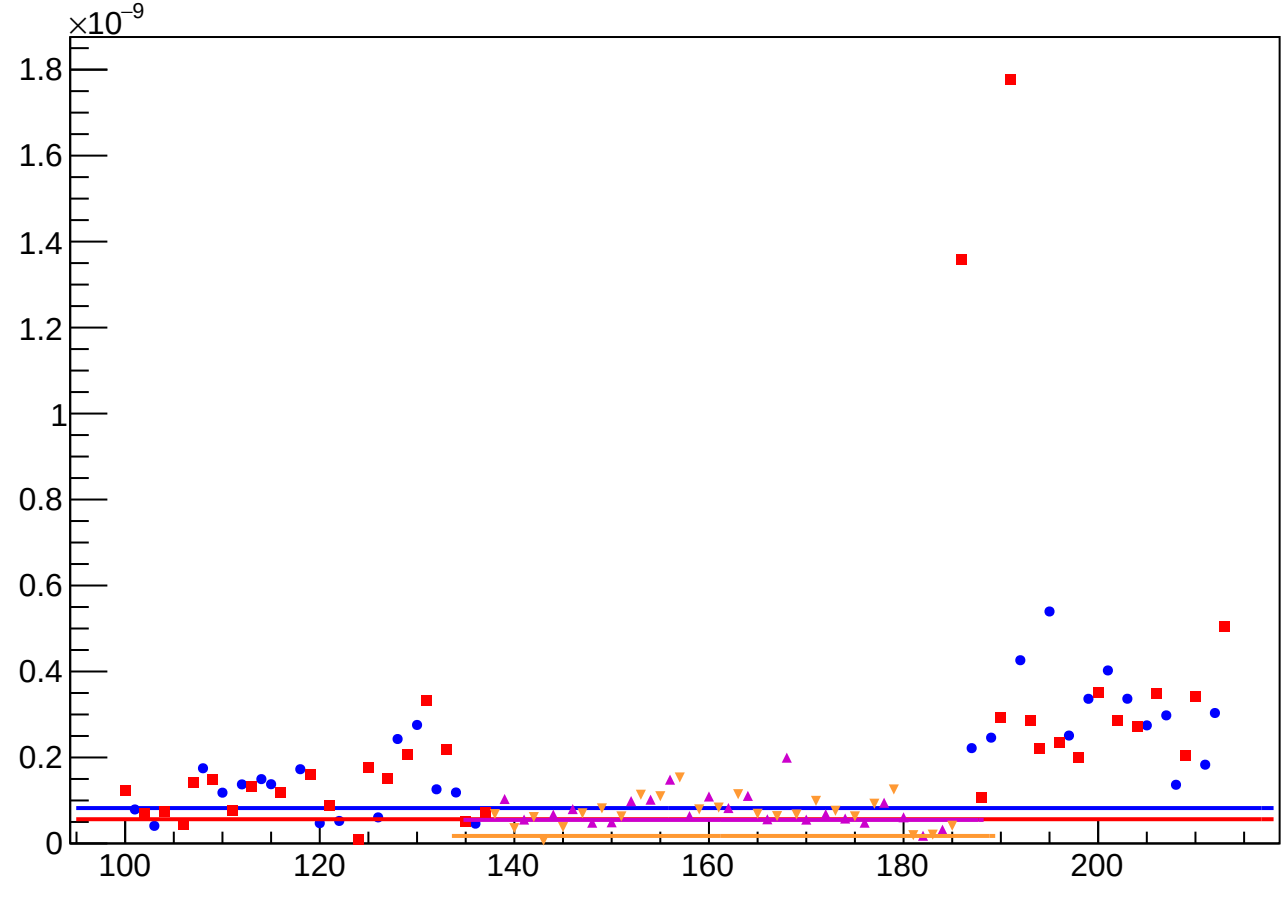
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 55.1/62

In: 0.000+/-0.000 χ^2/NDF:51.2/51

Out: -0.000+/-0.000 χ^2/NDF:53.5/58

All: -0.000+/-0.000 χ^2/NDF: 104.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 6147009.1/28

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

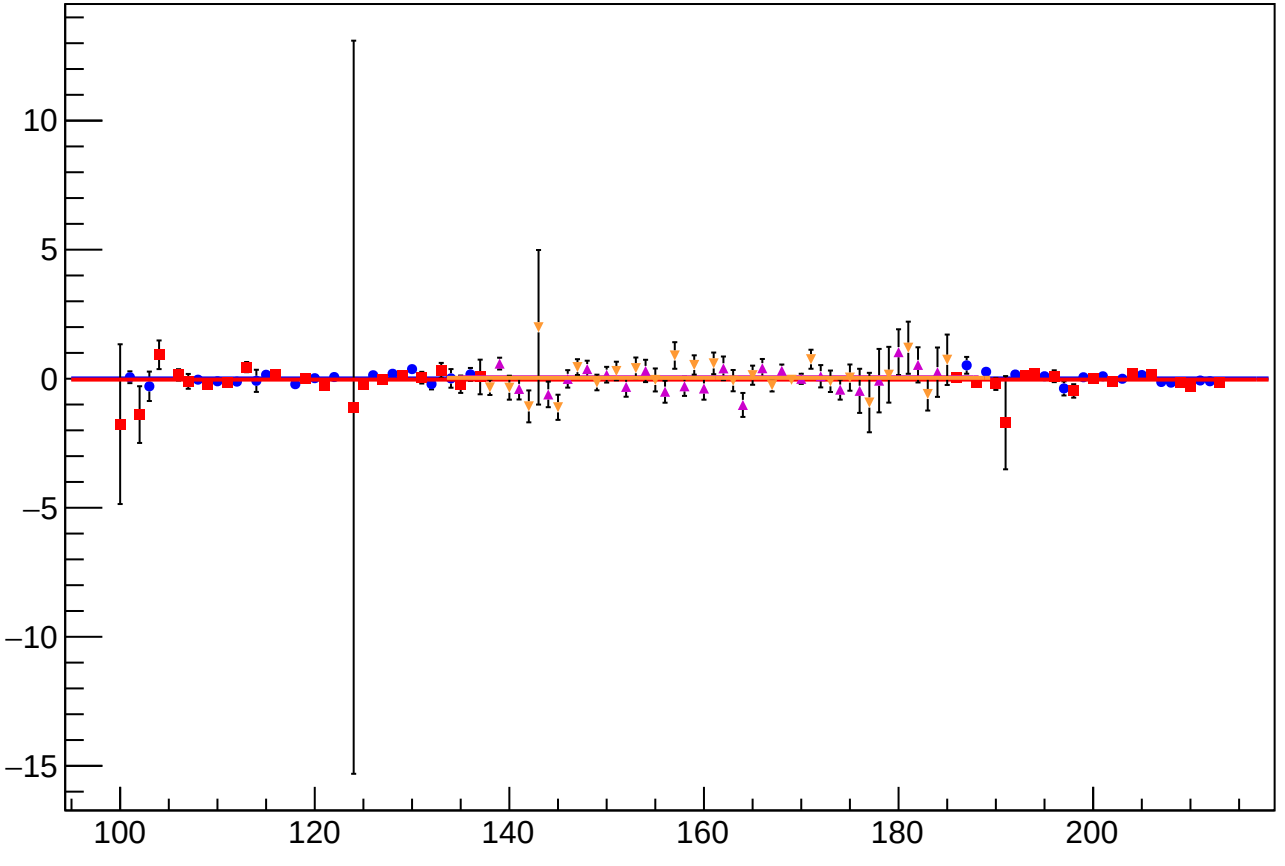
Right: 0.000+/-0.000 χ^2/NDF: 15958848.2/62

In: 0.000+/-0.000 χ^2/NDF:9592126.4/51

Out: 0.000+/-0.000 χ^2/NDF:20563506.3/58

All: 0.000+/-0.000 χ^2/NDF: 36047068.3/110

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.032 χ^2/NDF: 25.1/28

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

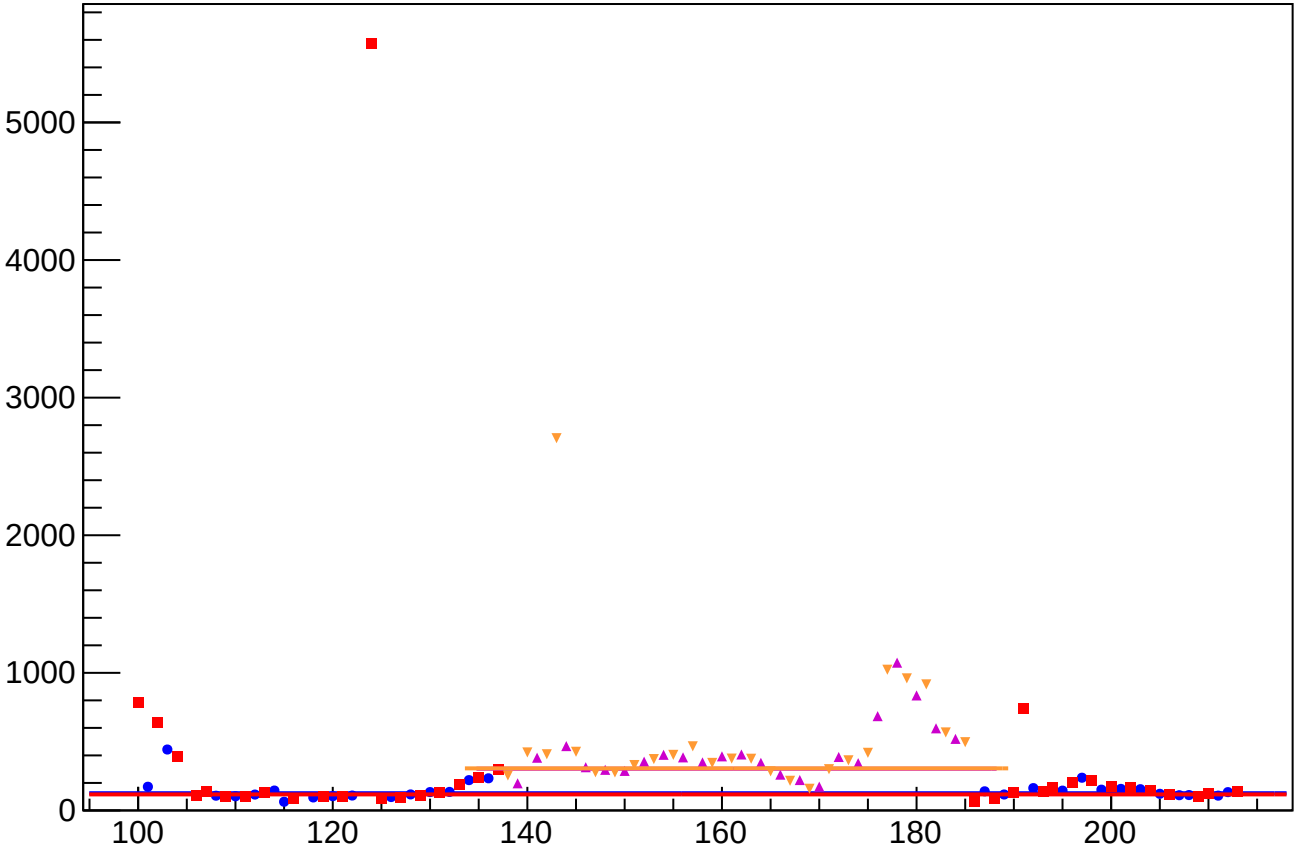
Right: -0.013+/-0.022 χ^2/NDF: 67.6/62

In: 0.018+/-0.030 χ^2/NDF:51.4/51

Out: -0.026+/-0.028 χ^2/NDF:72.6/58

All: -0.005+/-0.020 χ^2/NDF: 125.1/110

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 125.311+/-0.023 χ^2/NDF: 2516907.2/28

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

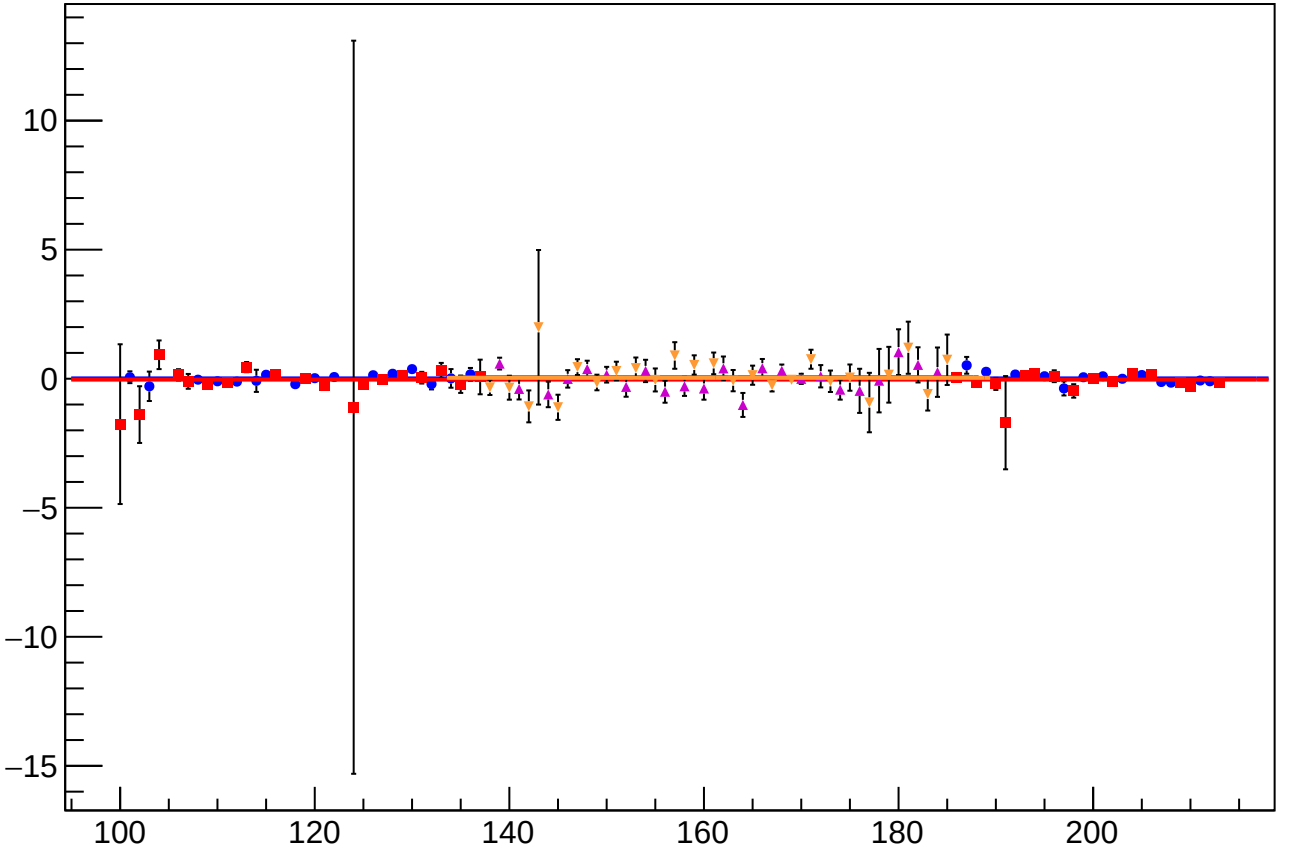
Right: 120.660+/-0.015 χ^2/NDF: 7048125.9/62

In: 151.447+/-0.021 χ^2/NDF:16373214.2/51

Out: 140.832+/-0.020 χ^2/NDF:21380261.1/58

All: 145.814+/-0.014 χ^2/NDF: 37889728.0/1

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.032 χ^2/NDF: 25.1/28

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

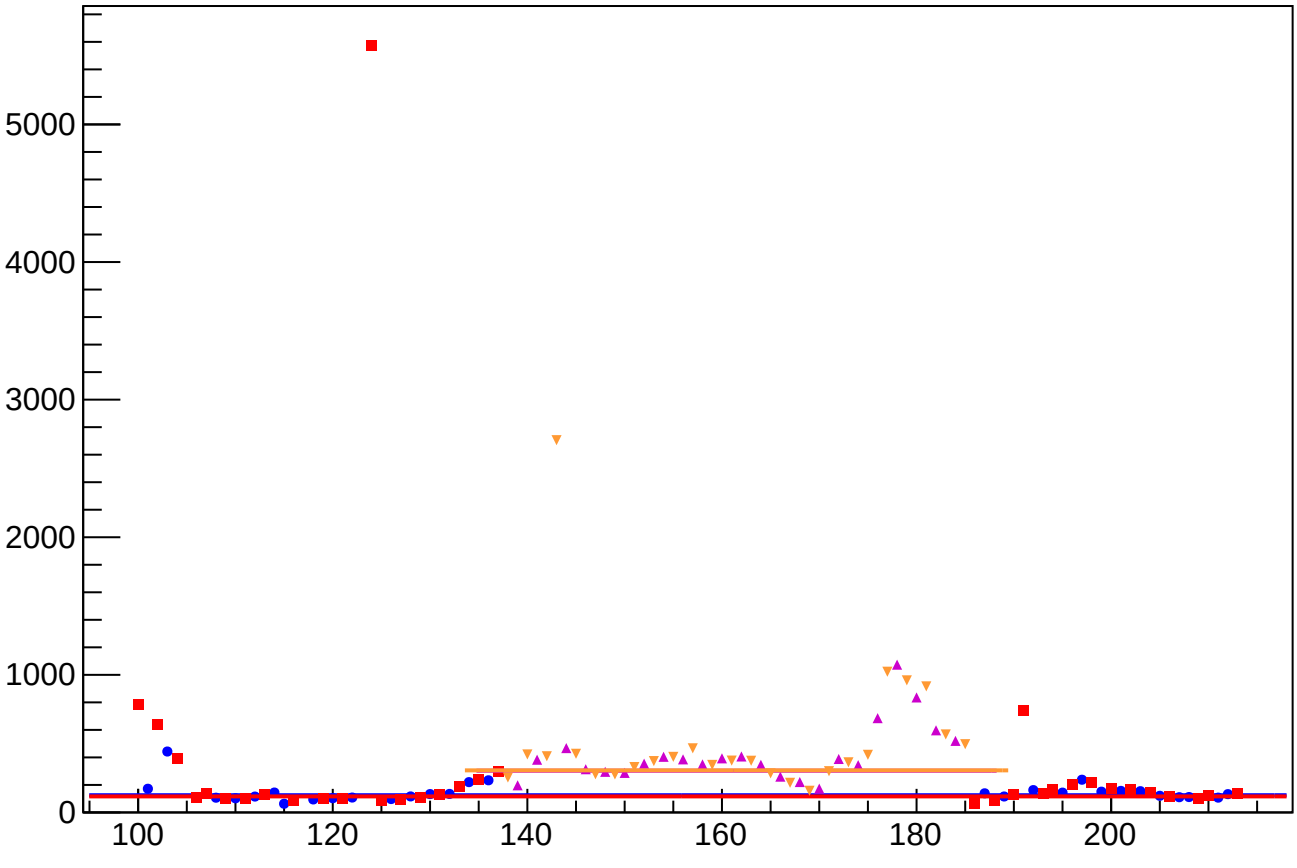
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.013+/-0.022 χ^2/NDF: 67.6/62

In: 0.018+/-0.030 χ^2/NDF:51.4/51

Out: -0.026+/-0.028 χ^2/NDF:72.6/58

All: -0.005+/-0.020 χ^2/NDF: 125.1/110



Right In: 125.311+/-0.023 χ^2/NDF: 2516907.2/28

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

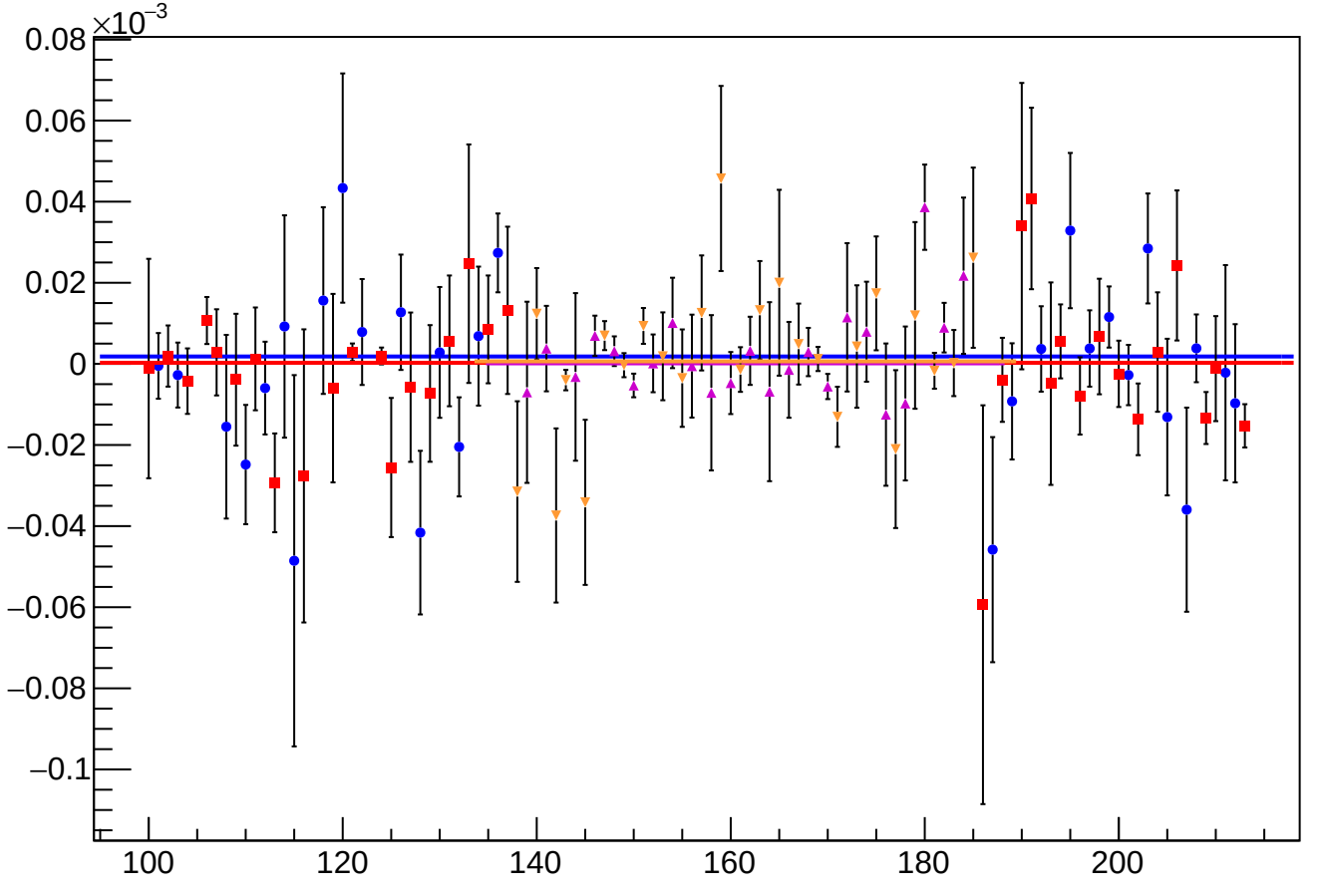
Right: 120.660+/-0.015 χ^2/NDF: 7048125.9/62

In: 151.447+/-0.021 χ^2/NDF:16373214.2/51

Out: 140.832+/-0.020 χ^2/NDF:21380261.1/58

All: 145.814+/-0.014 χ^2/NDF: 37889728.0/11

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 39.7/28

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

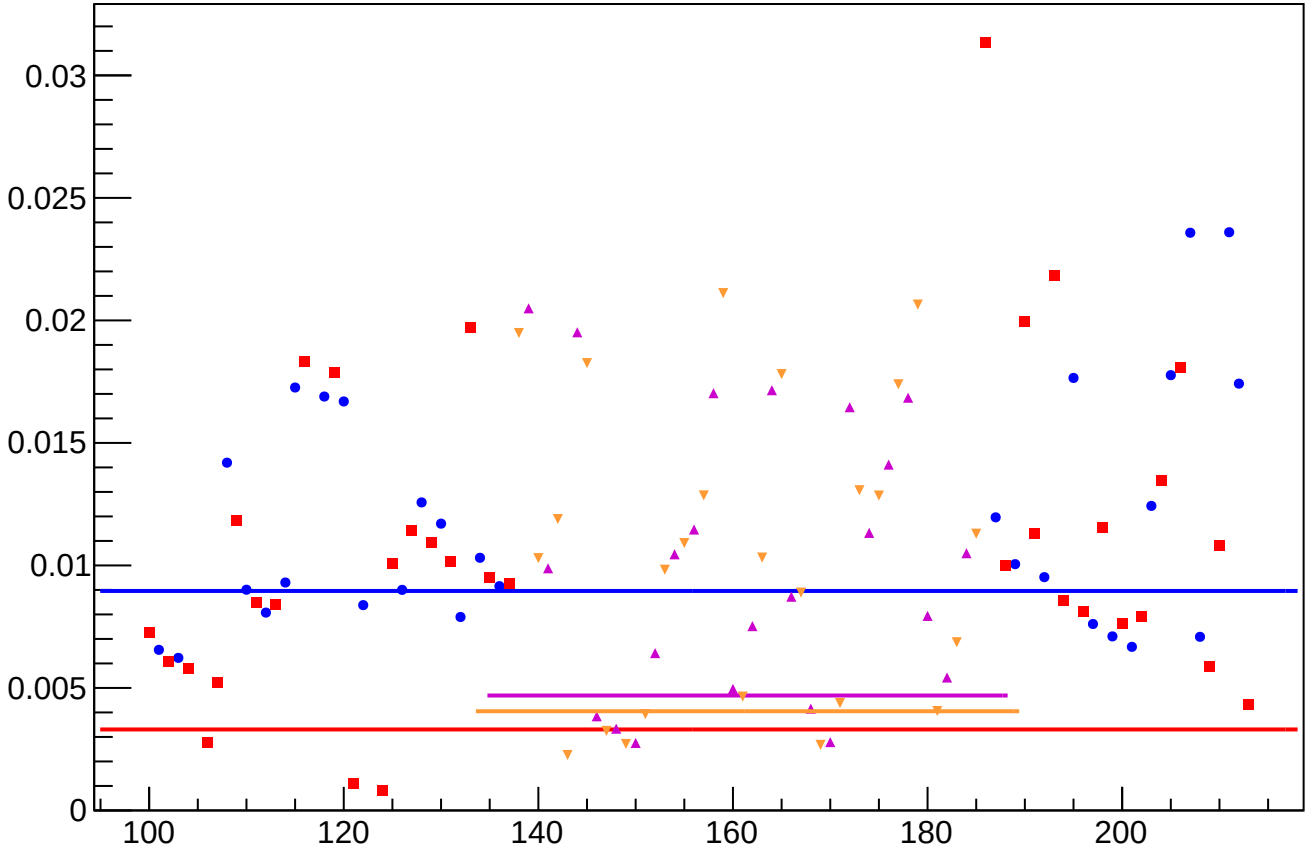
Right: 0.000+/-0.000 χ^2/NDF: 81.1/62

In: 0.000+/-0.000 χ^2/NDF:69.9/51

Out: 0.000+/-0.000 χ^2/NDF:75.7/58

All: 0.000+/-0.000 χ^2/NDF: 145.6/110

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 4247142.9/28

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

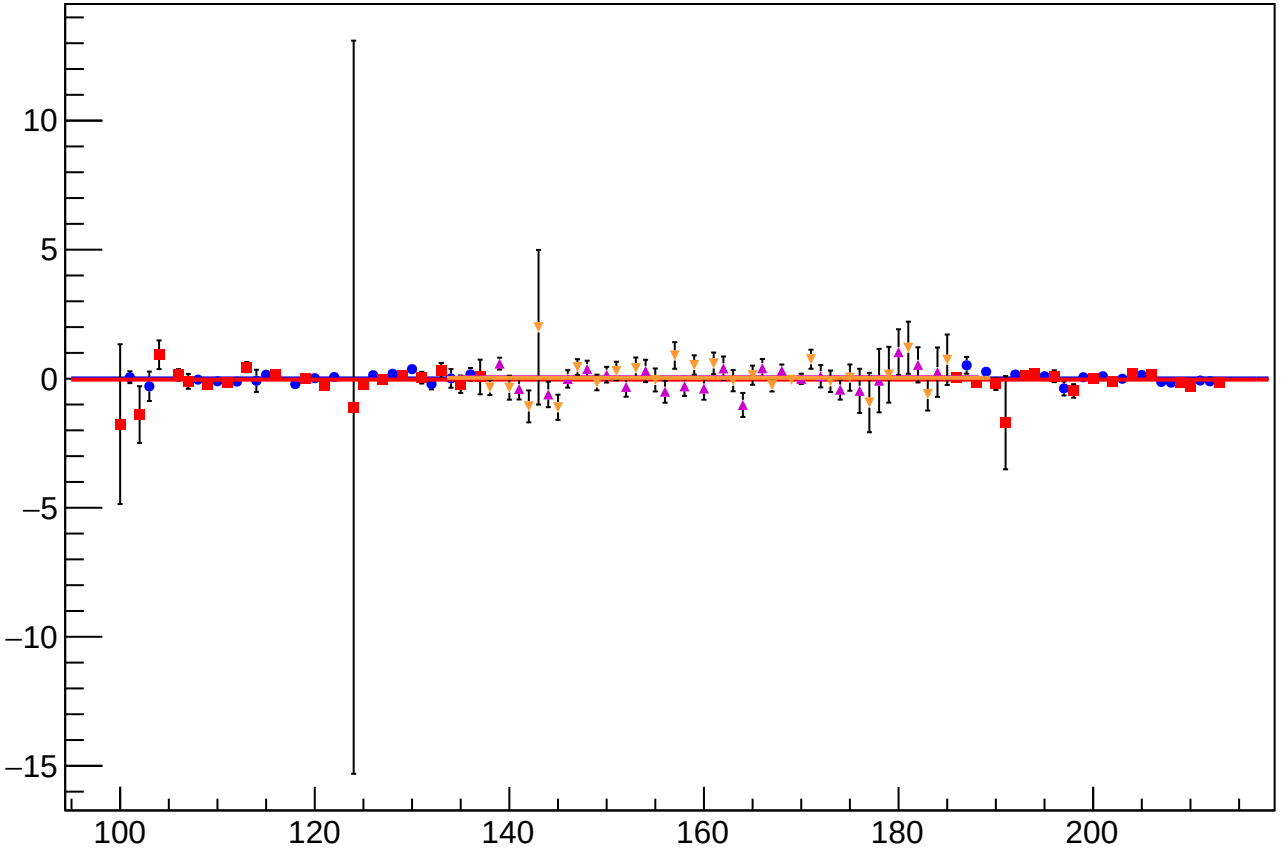
Right: 0.004+/-0.000 χ^2/NDF: 33538112.4/62

In: 0.006+/-0.000 χ^2/NDF:19967500.2/51

Out: 0.004+/-0.000 χ^2/NDF:34042887.6/58

All: 0.004+/-0.000 χ^2/NDF: 58216053.4/110

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.032 χ^2/NDF: 25.1/28

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

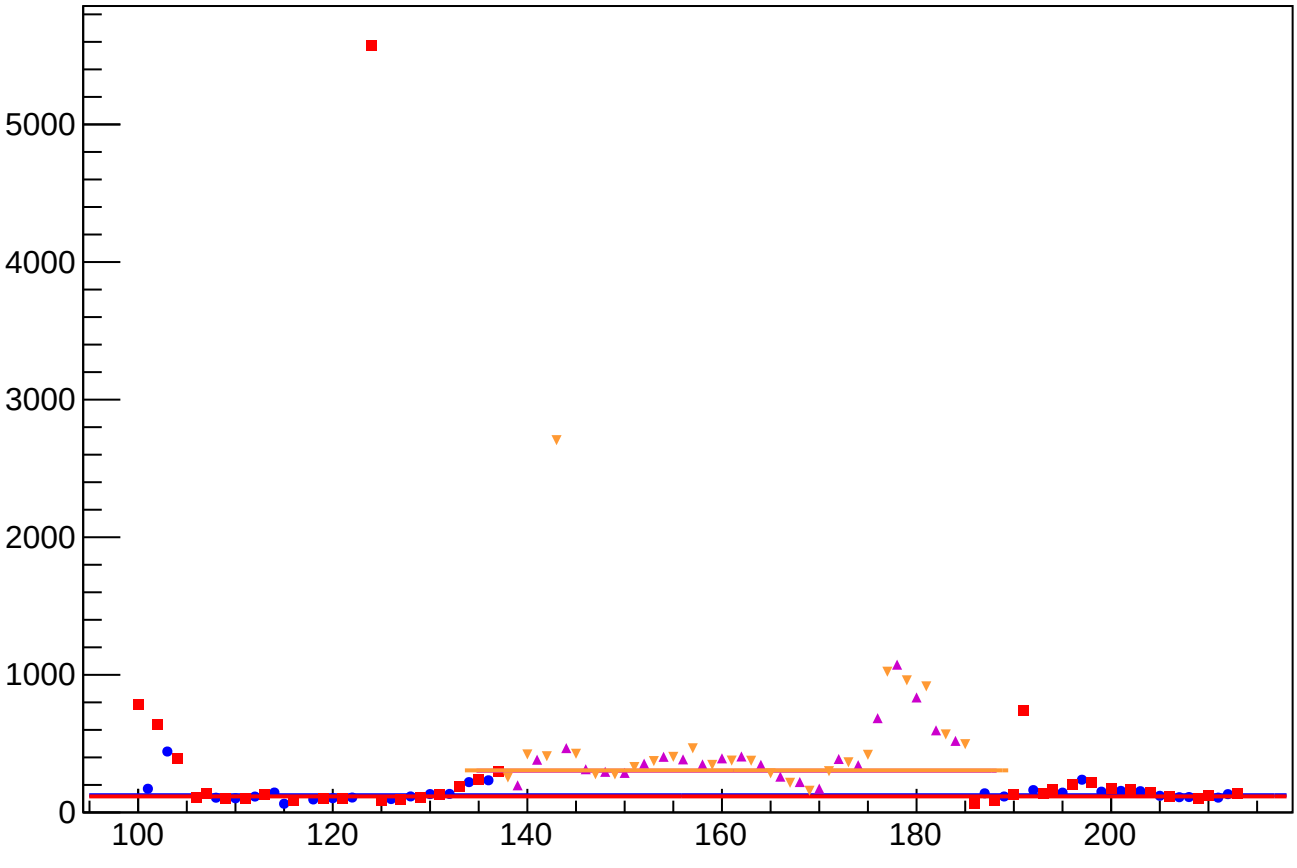
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.013+/-0.022 χ^2/NDF: 67.6/62

In: 0.018+/-0.030 χ^2/NDF:51.4/51

Out: -0.026+/-0.028 χ^2/NDF:72.6/58

All: -0.005+/-0.020 χ^2/NDF: 125.1/110



Right In: 125.312+/-0.023 χ^2/NDF: 2516865.5/28

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

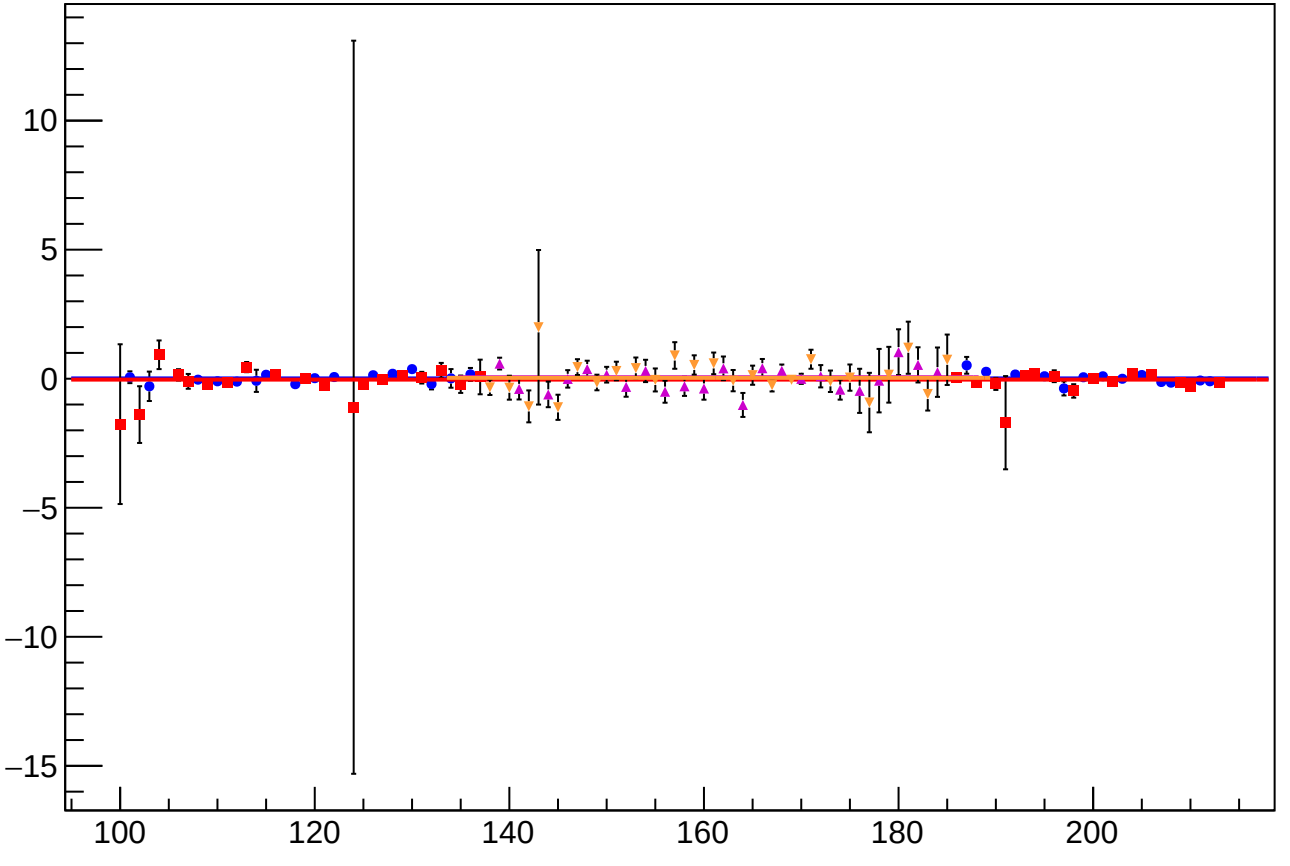
Right: 120.661+/-0.015 χ^2/NDF: 7047927.1/62

In: 151.448+/-0.021 χ^2/NDF:16373146.4/51

Out: 140.833+/-0.020 χ^2/NDF:21380107.6/58

All: 145.815+/-0.014 χ^2/NDF: 37889515.7/1

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.032 χ^2/NDF: 25.1/28

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

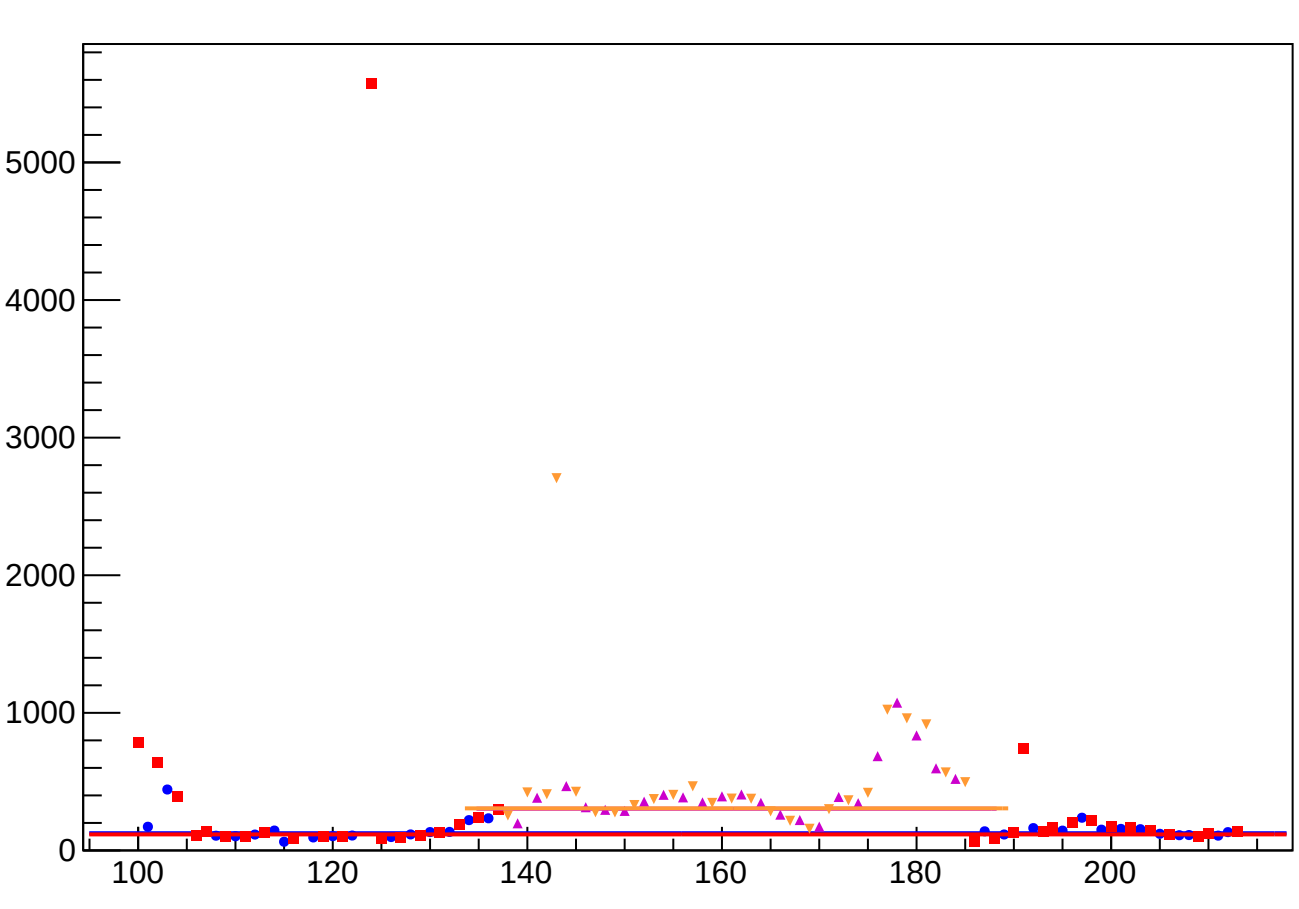
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.013+/-0.022 χ^2/NDF: 67.6/62

In: 0.018+/-0.030 χ^2/NDF:51.4/51

Out: -0.026+/-0.028 χ^2/NDF:72.6/58

All: -0.005+/-0.020 χ^2/NDF: 125.1/110



Right In: 125.312+/-0.023 χ^2/NDF: 2516865.5/28

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

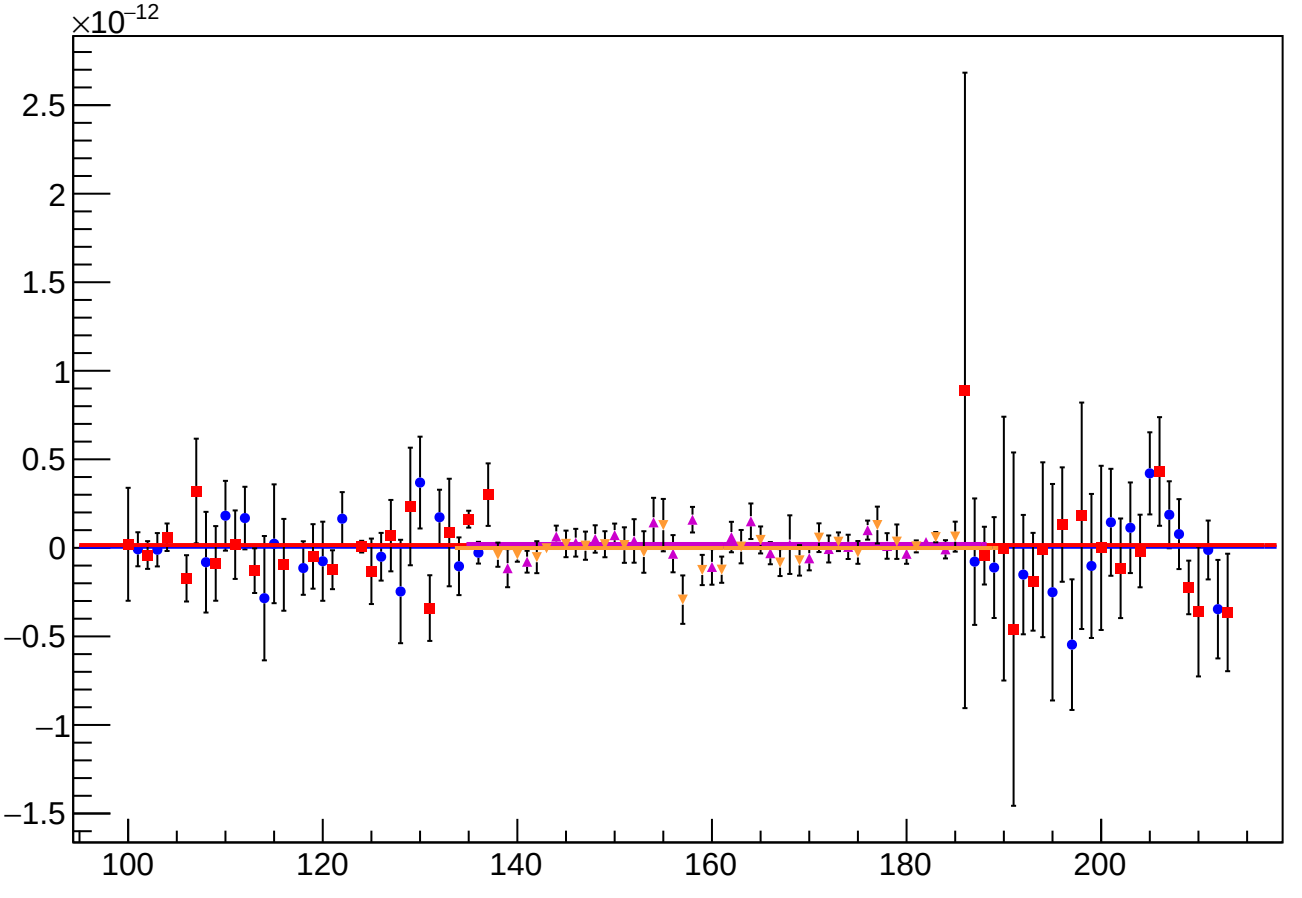
Right: 120.661+/-0.015 χ^2/NDF: 7047927.1/62

In: 151.448+/-0.021 χ^2/NDF:16373146.4/51

Out: 140.833+/-0.020 χ^2/NDF:21380107.6/58

All: 145.815+/-0.014 χ^2/NDF: 37889515.7/1

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/28

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

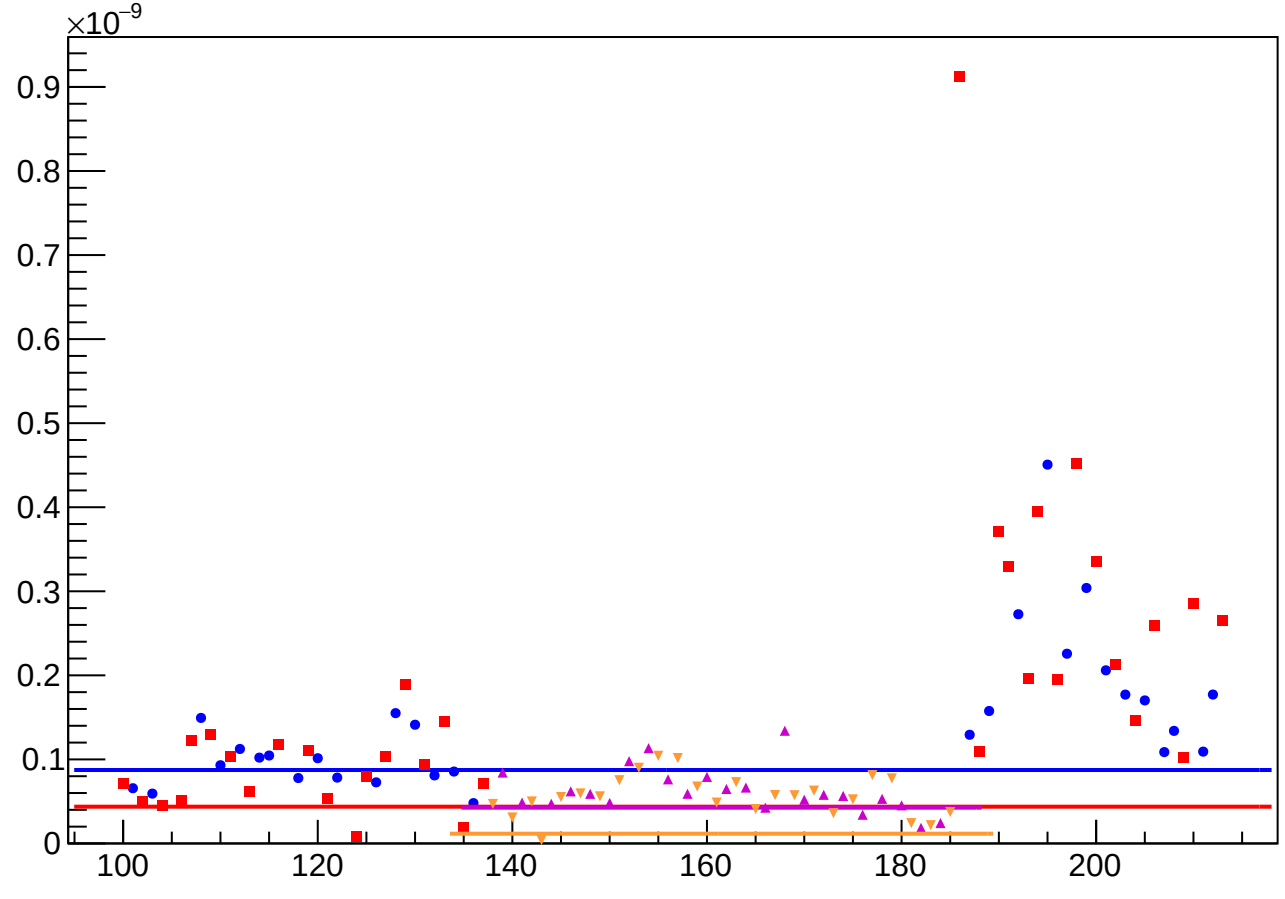
Right: 0.000+/-0.000 χ^2/NDF: 51.1/62

In: 0.000+/-0.000 χ^2/NDF:38.1/51

Out: 0.000+/-0.000 χ^2/NDF:55.3/58

All: 0.000+/-0.000 χ^2/NDF: 95.4/110

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4990830.9/28

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

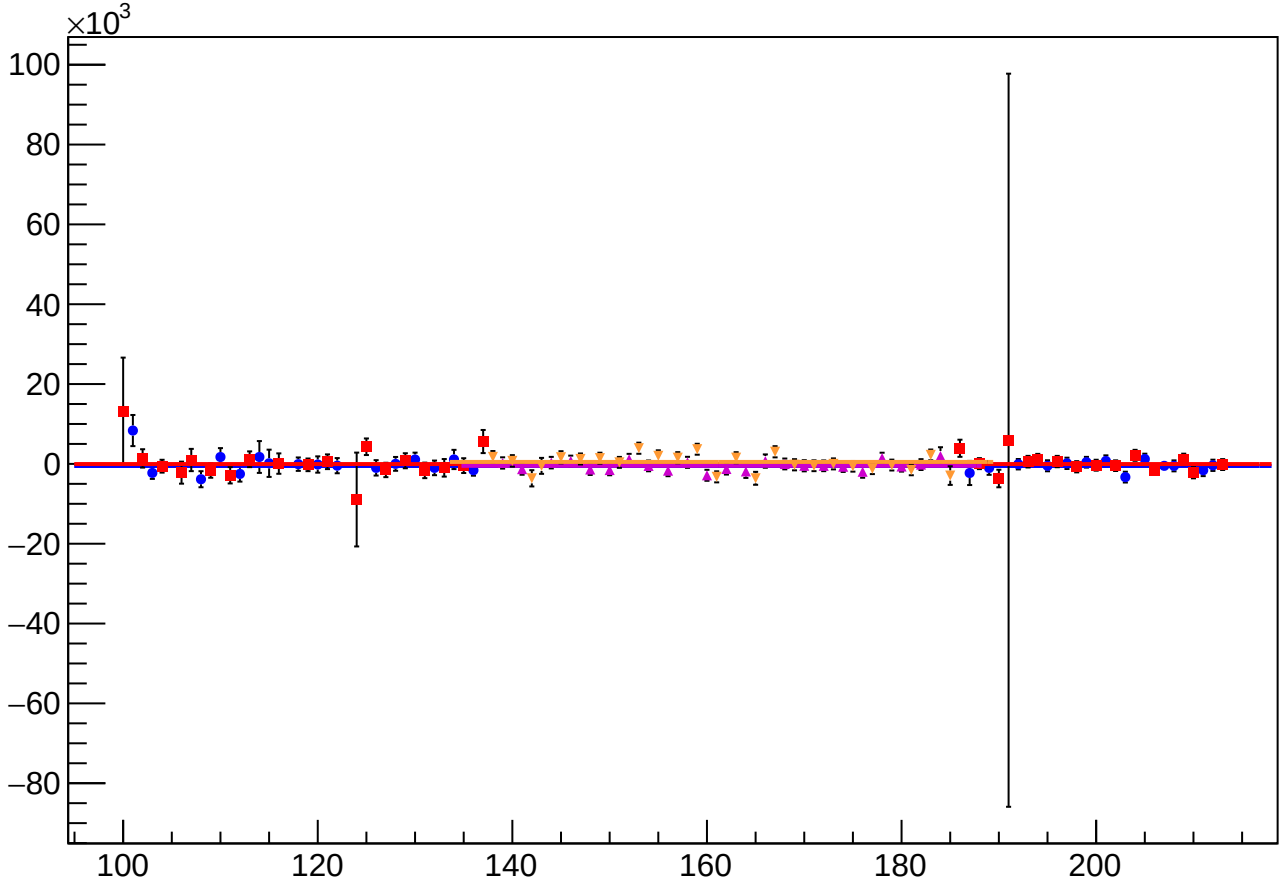
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 22010845.3/62

In: 0.000+/-0.000 χ^2/NDF:13933513.8/51

Out: 0.000+/-0.000 χ^2/NDF:36590276.2/58

All: 0.000+/-0.000 χ^2/NDF: 64419658.4/110



Right In: -521.752+/-308.382 χ^2/NDF: 22.4/28

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

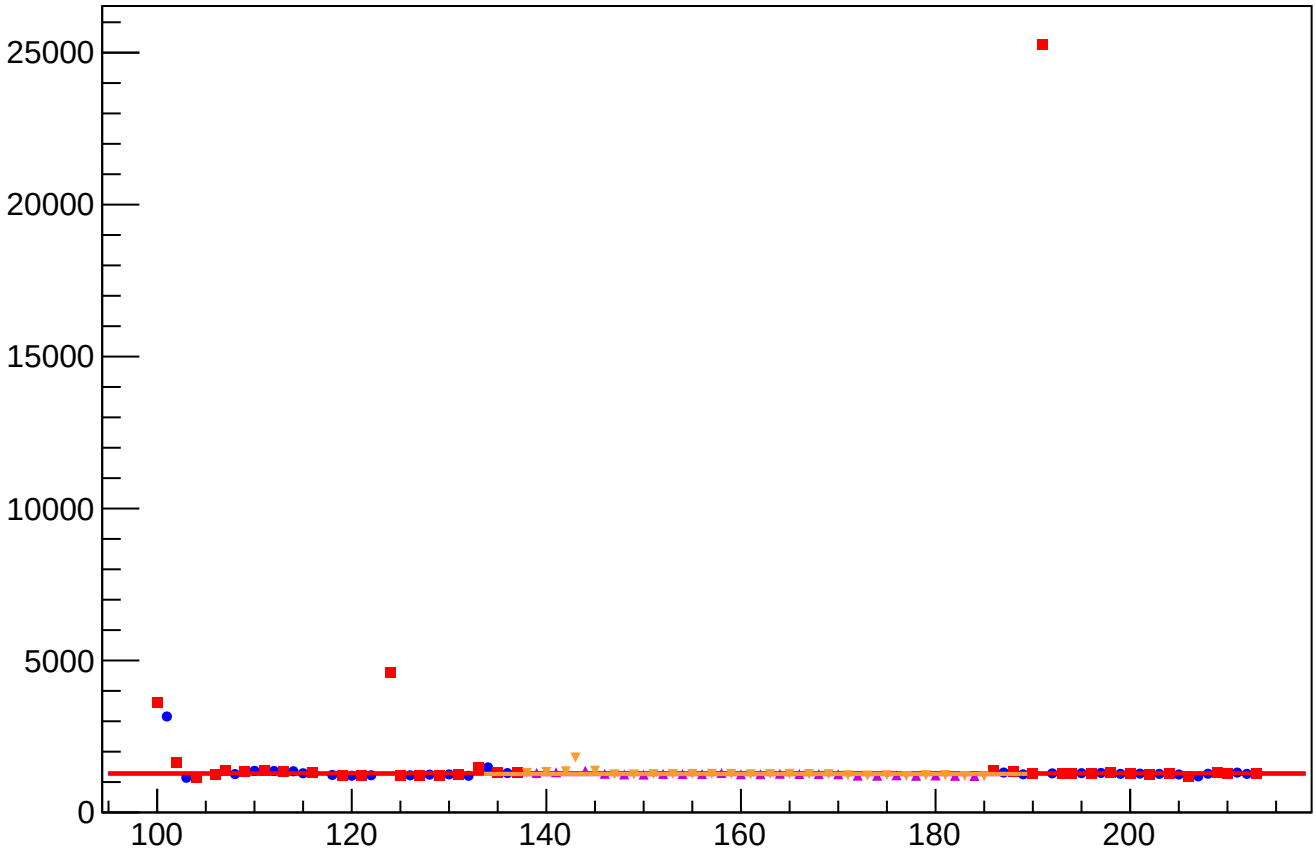
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -276.540+/-215.295 χ^2/NDF: 54.8/62

In: -503.440+/-212.704 χ^2/NDF:36.9/51

Out: 235.437+/-208.181 χ^2/NDF:79.7/58

All: -126.061+/-148.780 χ^2/NDF: 122.7/110



Right In: 1277.449+/-0.218 χ^2/NDF: 529519.6/28

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

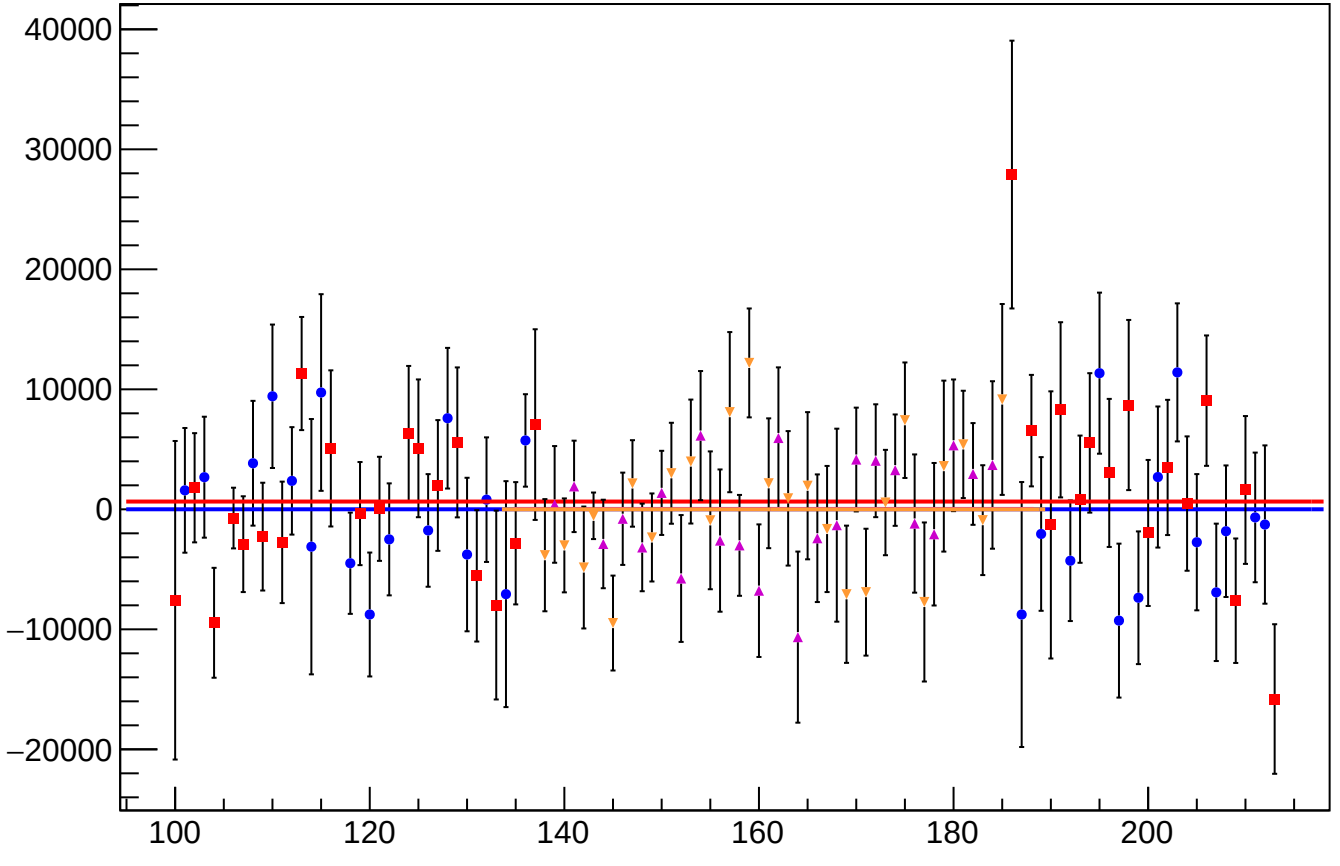
Right: 1283.454+/-0.152 χ^2/NDF: 1013744.3/62

In: 1267.018+/-0.150 χ^2/NDF:570701.0/51

Out: 1277.611+/-0.147 χ^2/NDF:675966.6/58

All: 1272.431+/-0.105 χ^2/NDF: 1249202.7/11

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 3.281+/-1035.844 χ^2/NDF: 28.6/28

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

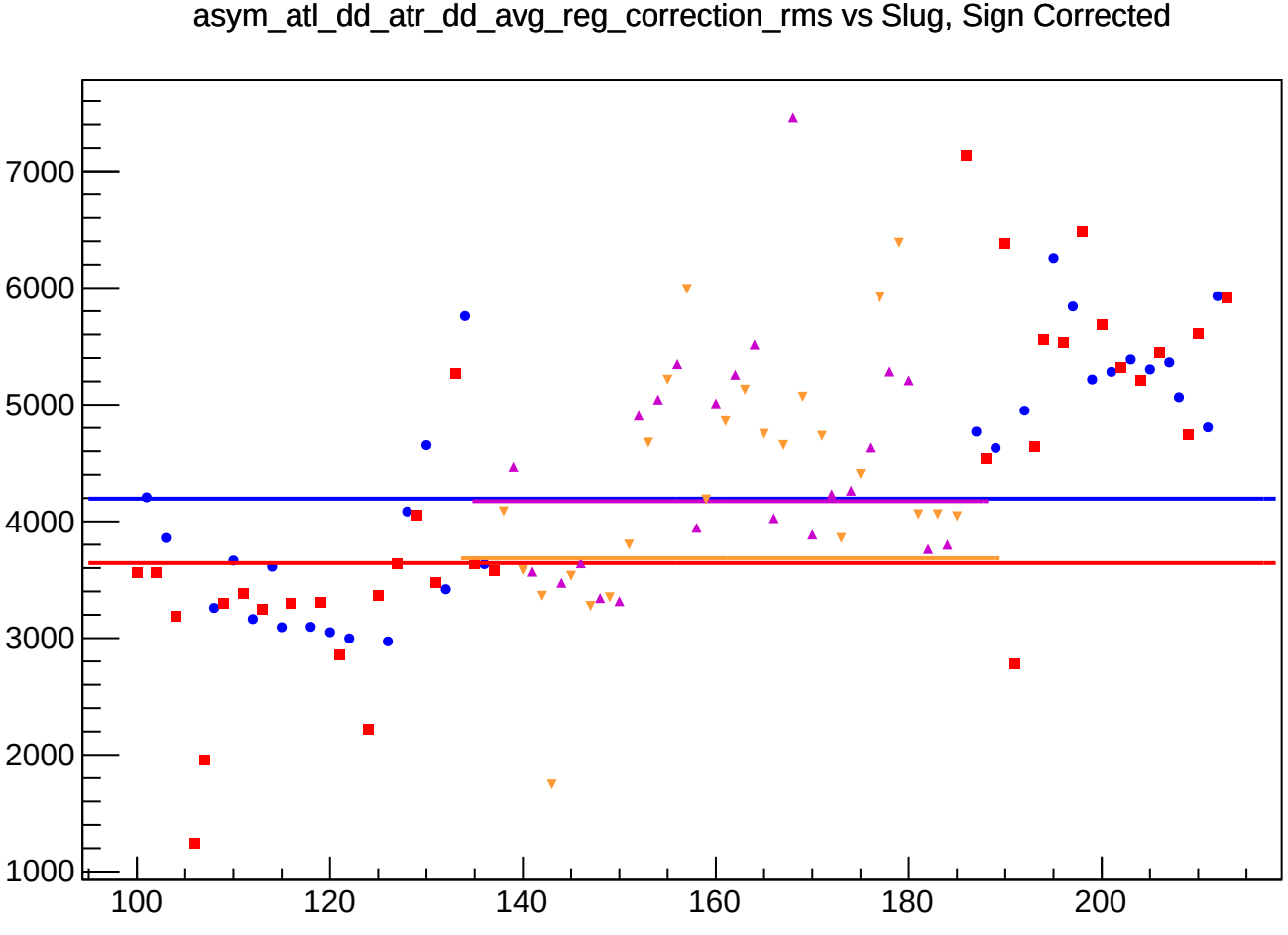
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

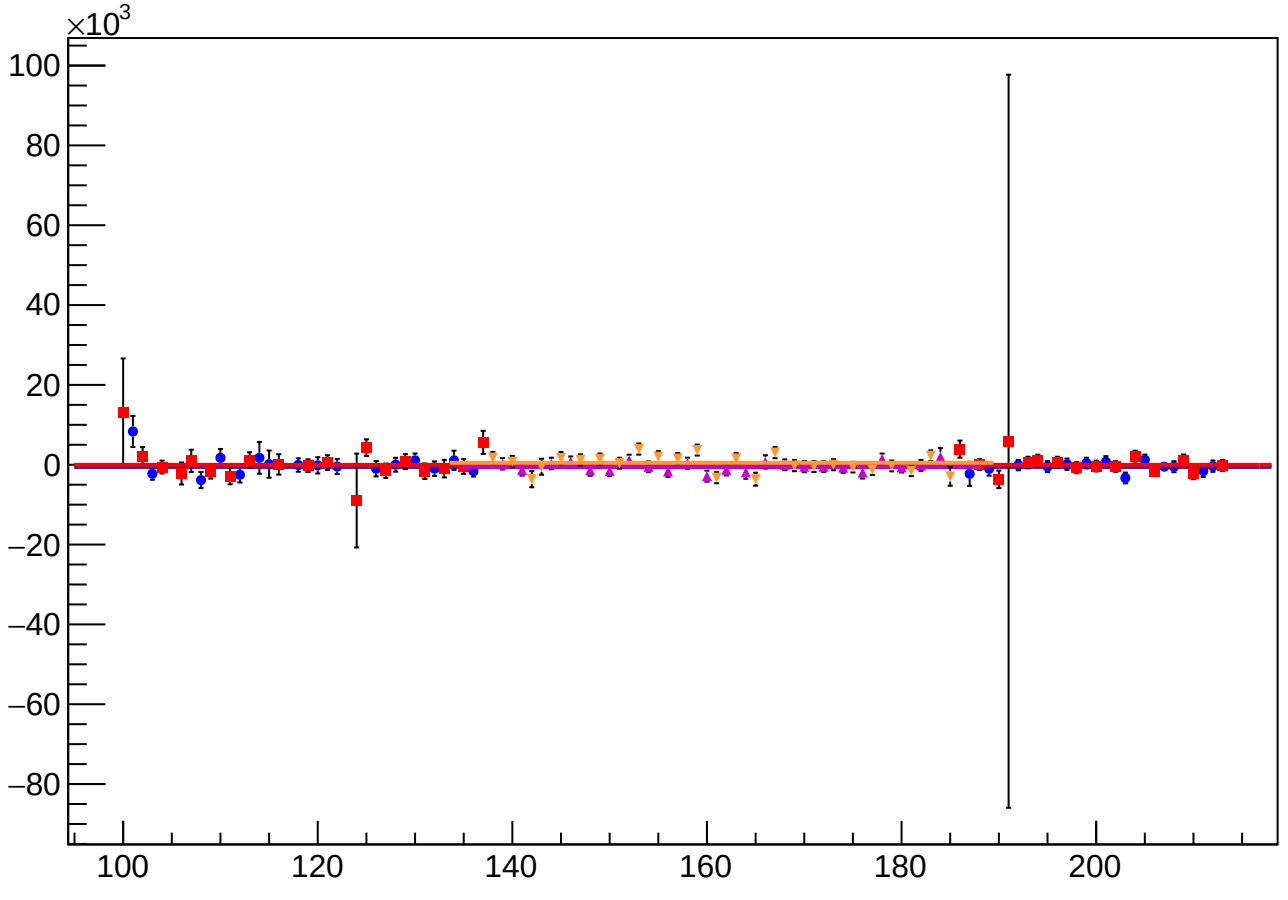
Right: 368.368+/-682.276 χ^2/NDF: 70.9/62

In: 18.001+/-717.707 χ^2/NDF:42.7/51

Out: 316.432+/-633.887 χ^2/NDF:71.3/58

All: 185.653+/-475.110 χ^2/NDF: 114.1/110


asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 4194.989+/-0.732 χ²/NDF: 1868191.1/28
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 3643.091+/-0.641 χ²/NDF: 5079409.7/33
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 3882.527+/-0.482 χ²/NDF: 7269037.3/62
In: 4183.845+/-0.507 χ²/NDF:3143604.7/51
Out: 3664.401+/-0.448 χ²/NDF:8775216.7/58
All: 3892.033+/-0.336 χ²/NDF: 12507364.9/



Right In: -521.891+/-308.382 χ^2/NDF: 22.4/28

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

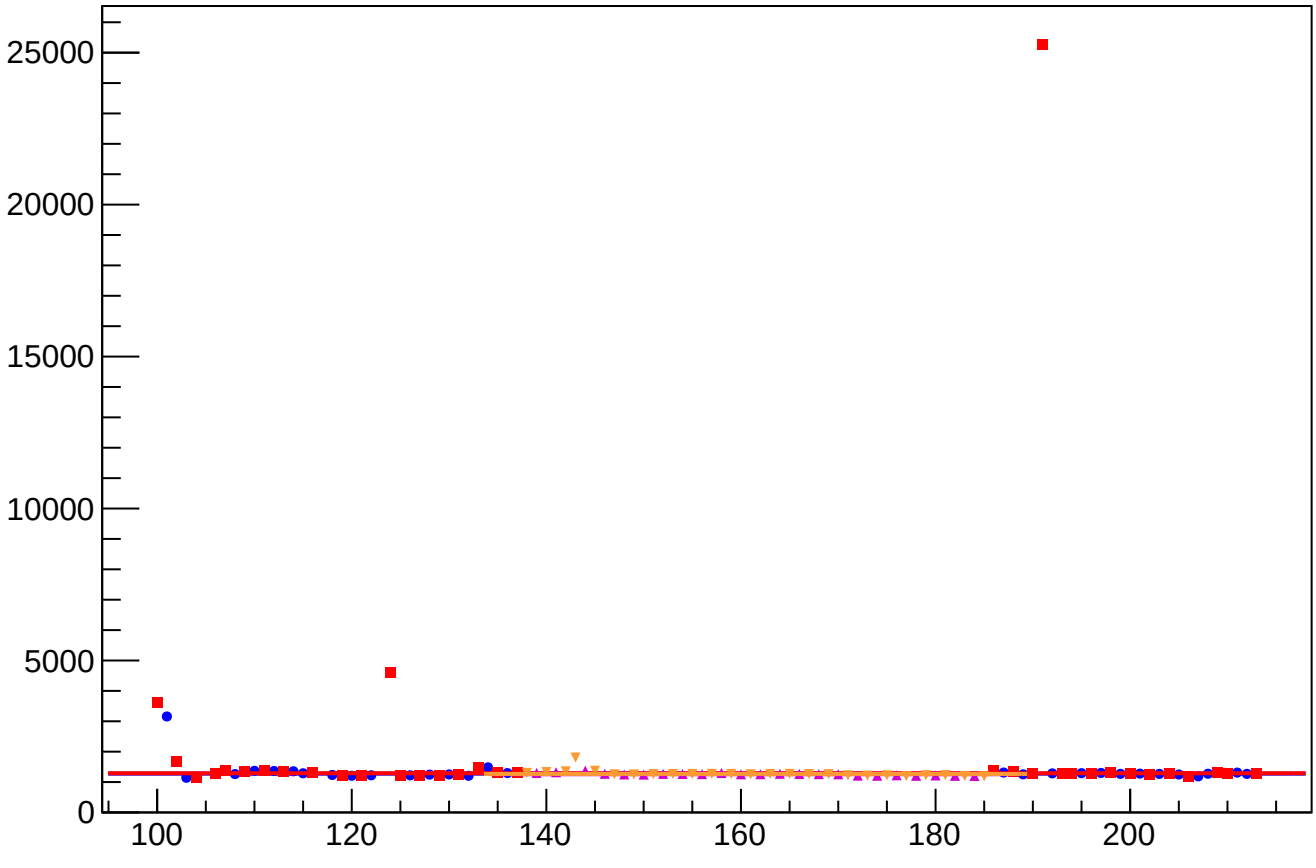
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -271.026+/-215.323 χ^2/NDF: 55.3/62

In: -503.453+/-212.704 χ^2/NDF:36.9/51

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -123.379+/-148.789 χ^2/NDF: 123.2/110



Right In: 1277.449+/-0.218 χ^2/NDF: 529521.0/28

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

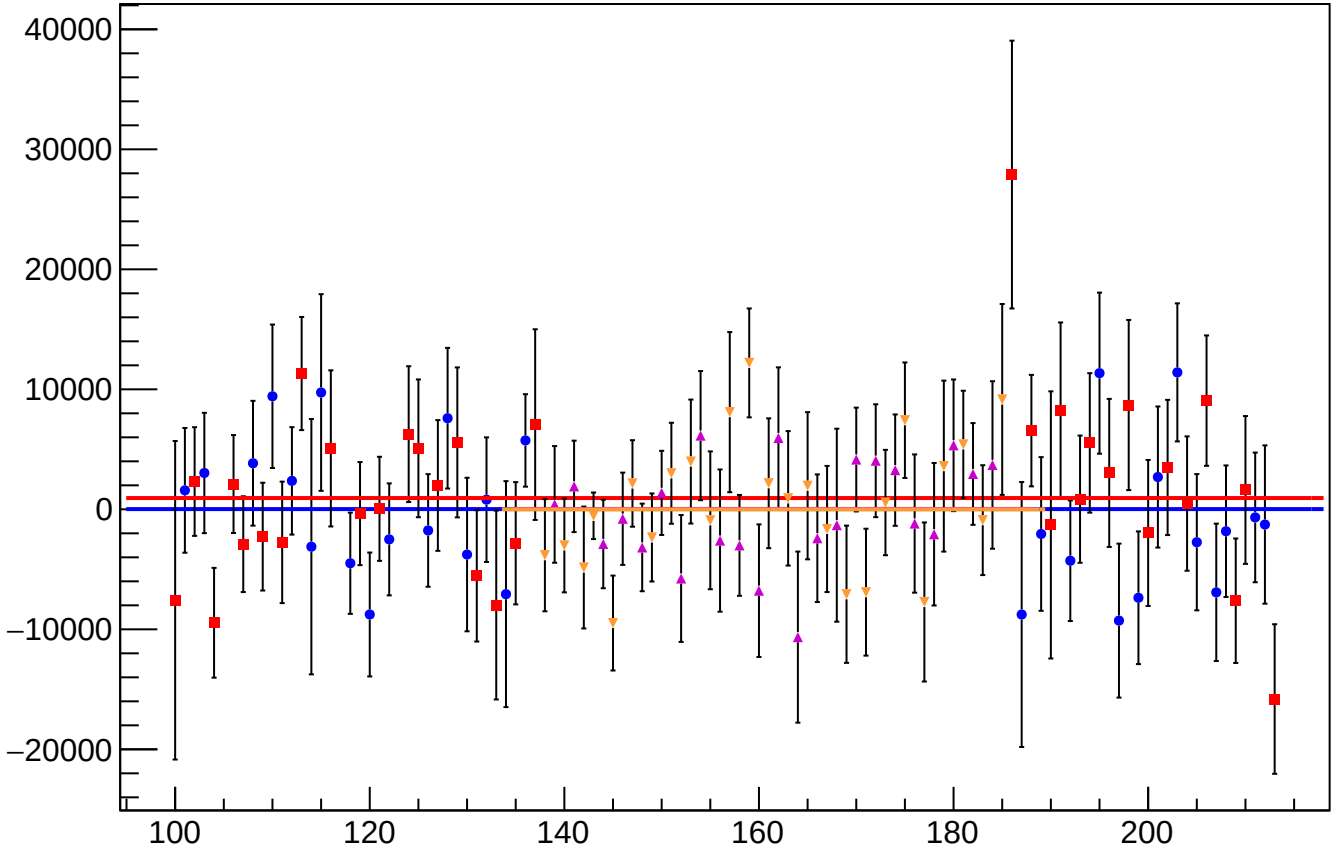
Right: 1283.841+/-0.152 χ^2/NDF: 1020820.8/62

In: 1267.018+/-0.150 χ^2/NDF:570702.4/51

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1272.613+/-0.105 χ^2/NDF: 1256648.4/11

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 19.340+/-1035.627 χ^2/NDF: 28.7/28

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

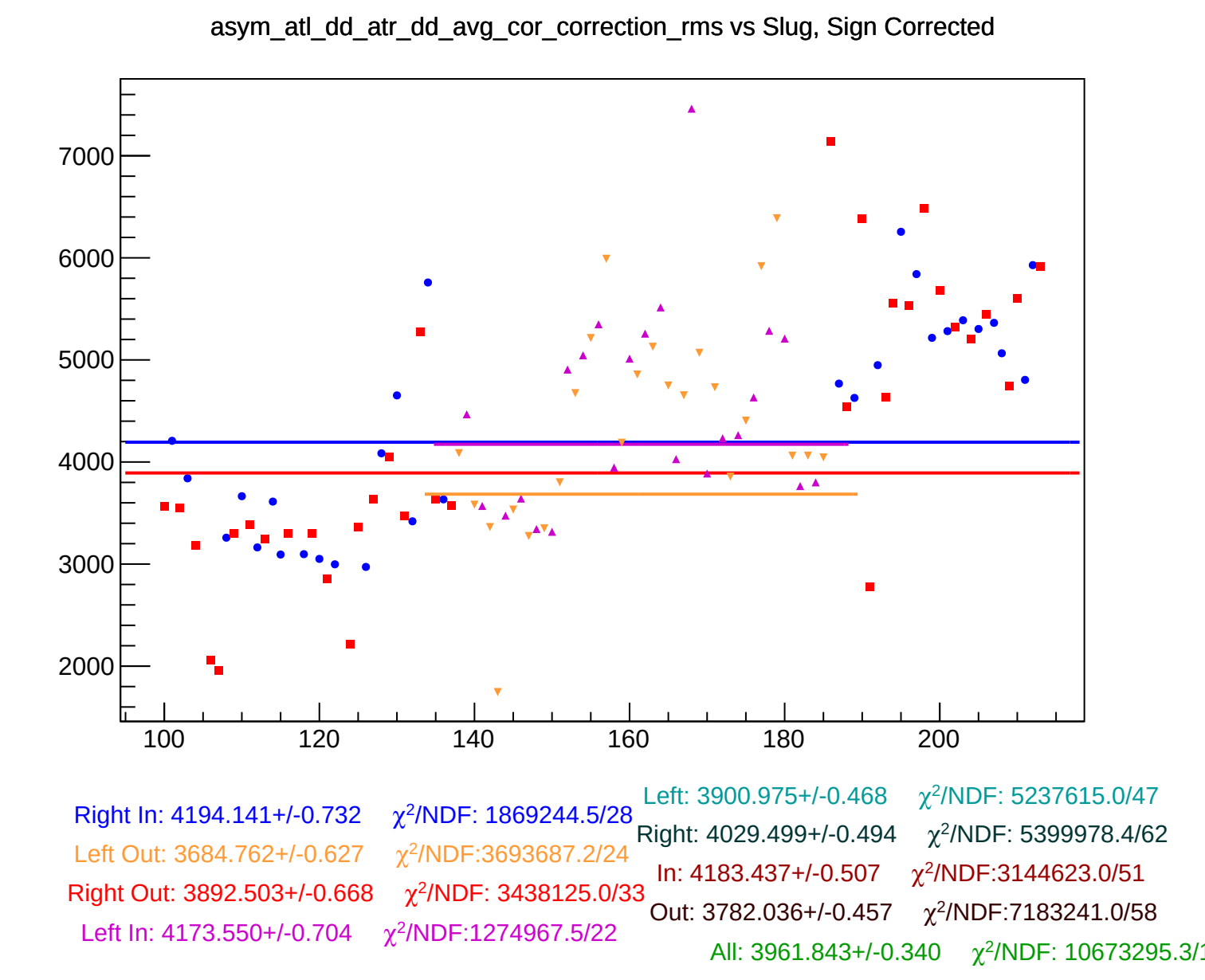
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

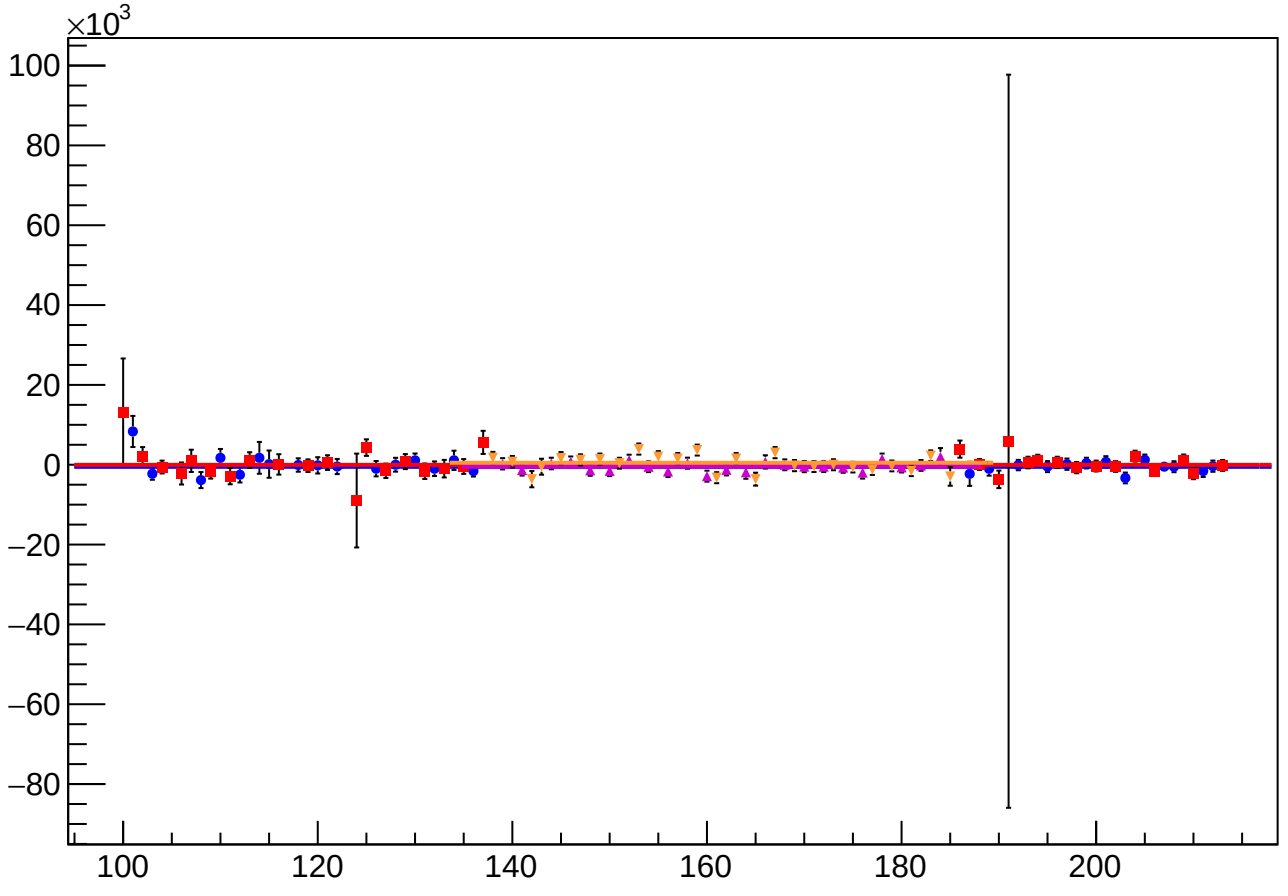
Right: 521.988+/-697.934 χ^2/NDF: 71.0/62

In: 25.711+/-717.634 χ^2/NDF:42.8/51

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 254.408+/-480.304 χ^2/NDF: 114.4/110


asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4194.141+/-0.732 χ²/NDF: 1869244.5/28
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: 4029.499+/-0.494 χ²/NDF: 5399978.4/62
In: 4183.437+/-0.507 χ²/NDF:3144623.0/51
Out: 3782.036+/-0.457 χ²/NDF:7183241.0/58
All: 3961.843+/-0.340 χ²/NDF: 10673295.3/



Right In: -521.891+/-308.382 χ^2/NDF: 22.4/28

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

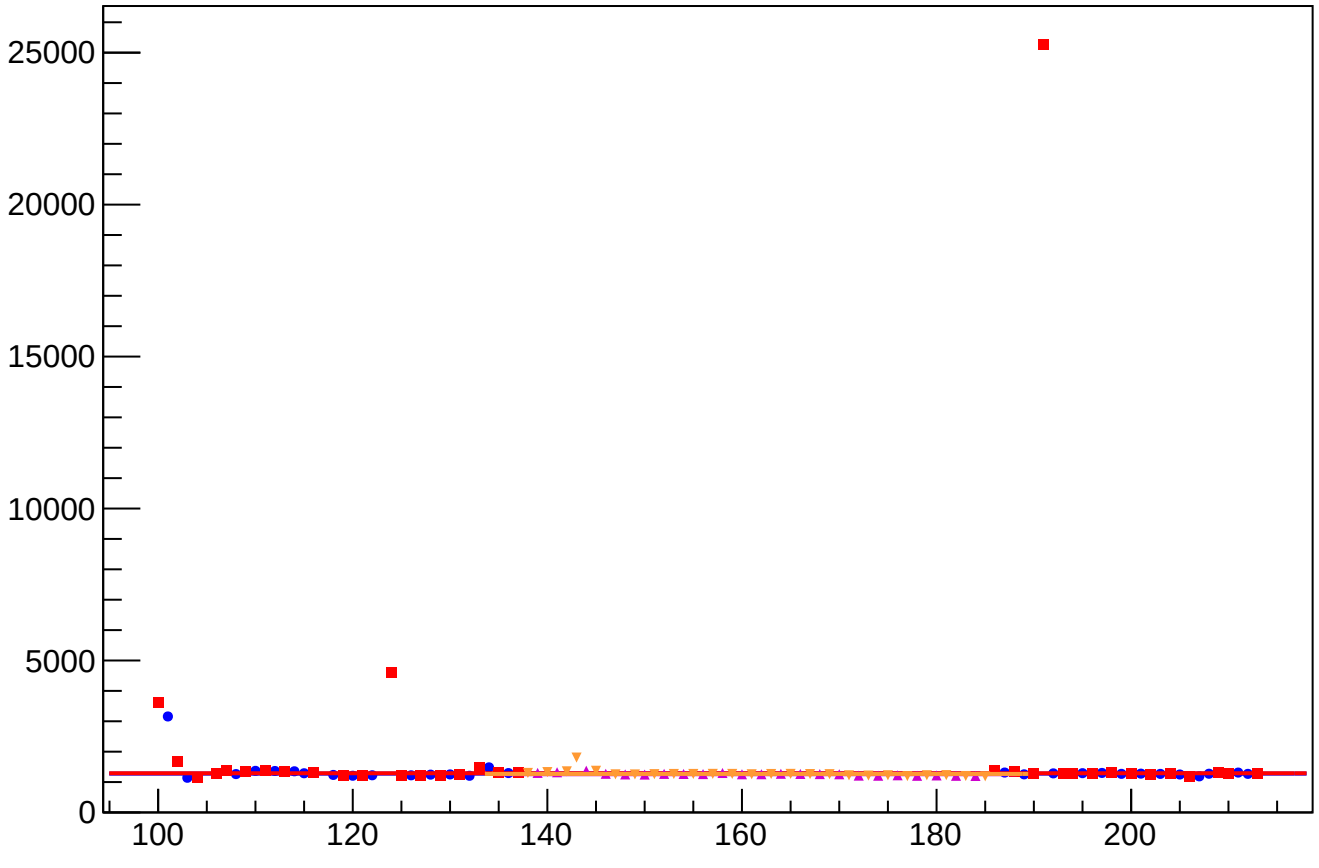
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -271.026+/-215.323 χ^2/NDF: 55.3/62

In: -503.453+/-212.704 χ^2/NDF:36.9/51

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -123.379+/-148.789 χ^2/NDF: 123.2/110



Right In: 1277.449+/-0.218 χ^2/NDF: 529521.0/28

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

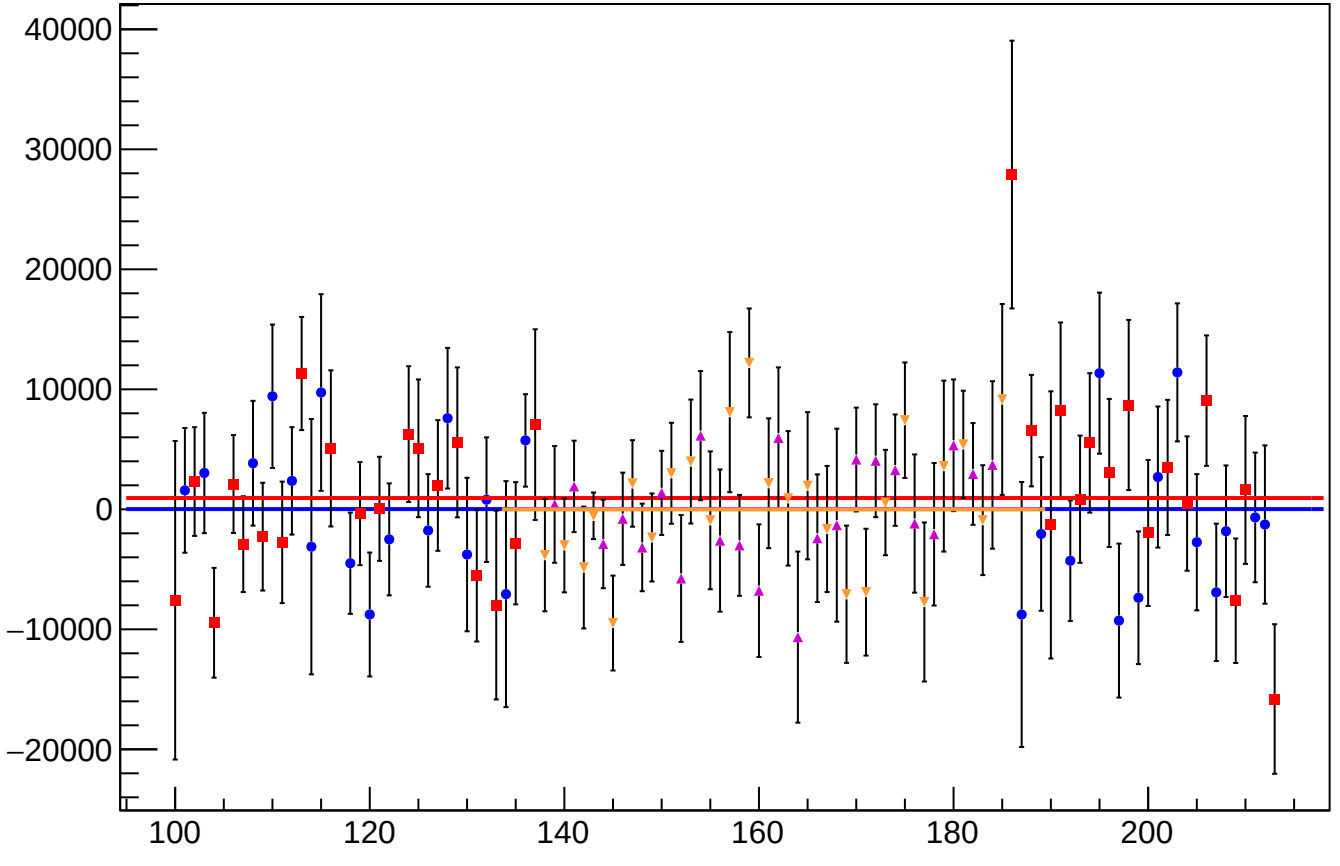
Right: 1283.841+/-0.152 χ^2/NDF: 1020820.8/62

In: 1267.018+/-0.150 χ^2/NDF:570702.4/51

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1272.613+/-0.105 χ^2/NDF: 1256648.4/11

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 19.340+/-1035.627 χ^2/NDF: 28.7/28

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

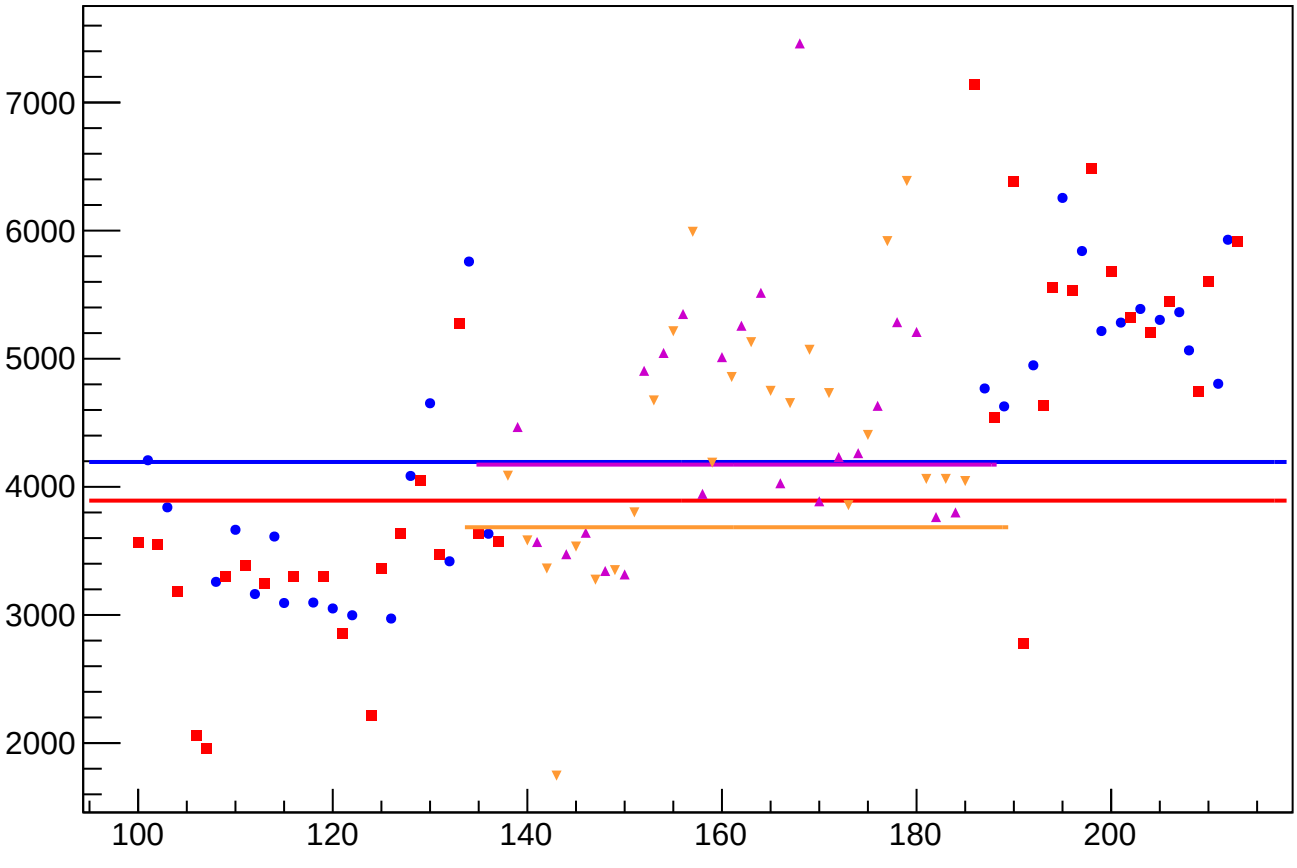
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 521.988+/-697.934 χ^2/NDF: 71.0/62

In: 25.711+/-717.634 χ^2/NDF:42.8/51

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 254.408+/-480.304 χ^2/NDF: 114.4/110



Right In: 4194.141+/-0.732 χ^2/NDF: 1869244.5/28

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

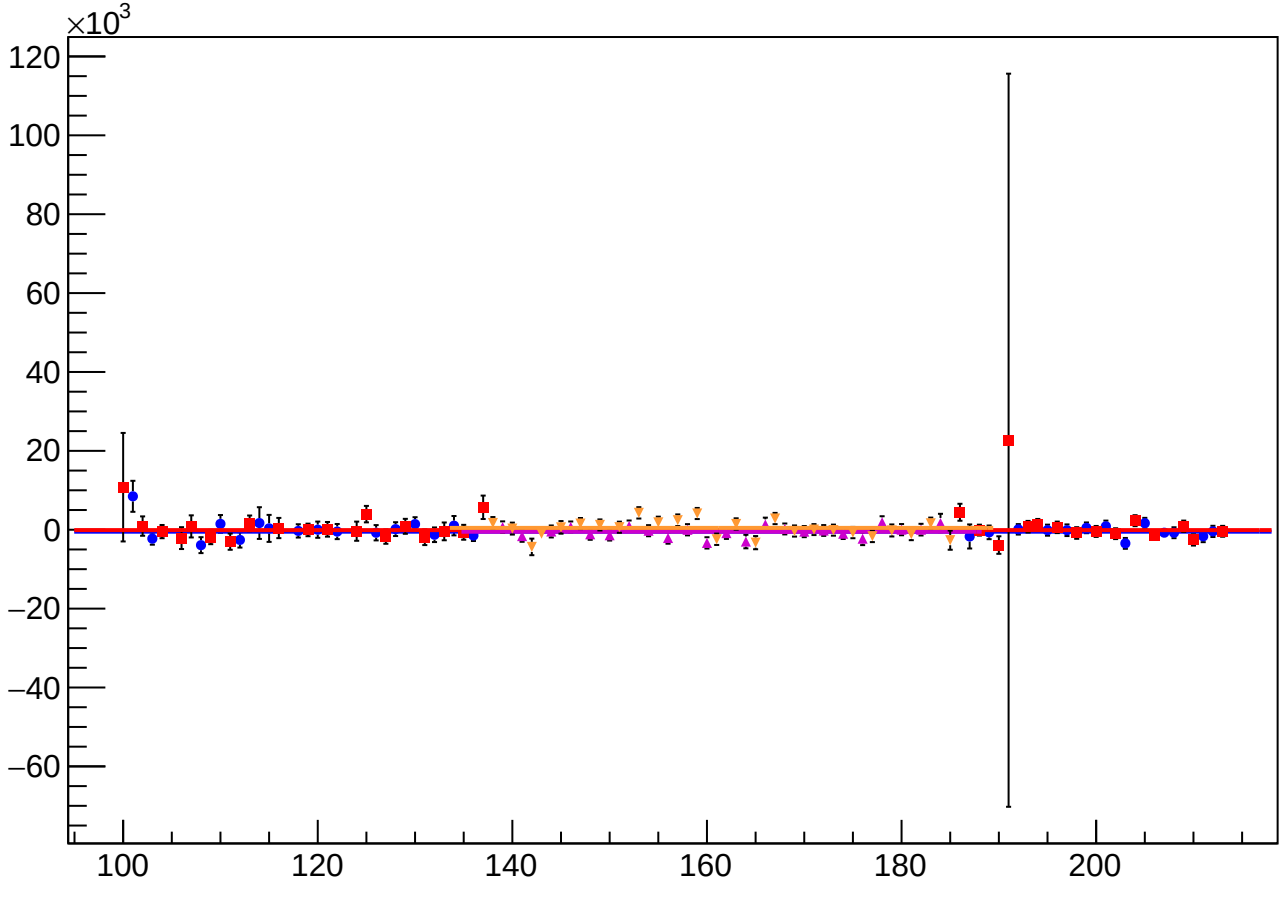
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4029.499+/-0.494 χ^2/NDF: 5399978.4/62

In: 4183.437+/-0.507 χ^2/NDF:3144623.0/51

Out: 3782.036+/-0.457 χ^2/NDF:7183241.0/58

All: 3961.843+/-0.340 χ^2/NDF: 10673295.3/1



Right In: -490.729+/-312.505 χ^2/NDF: 23.9/28

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

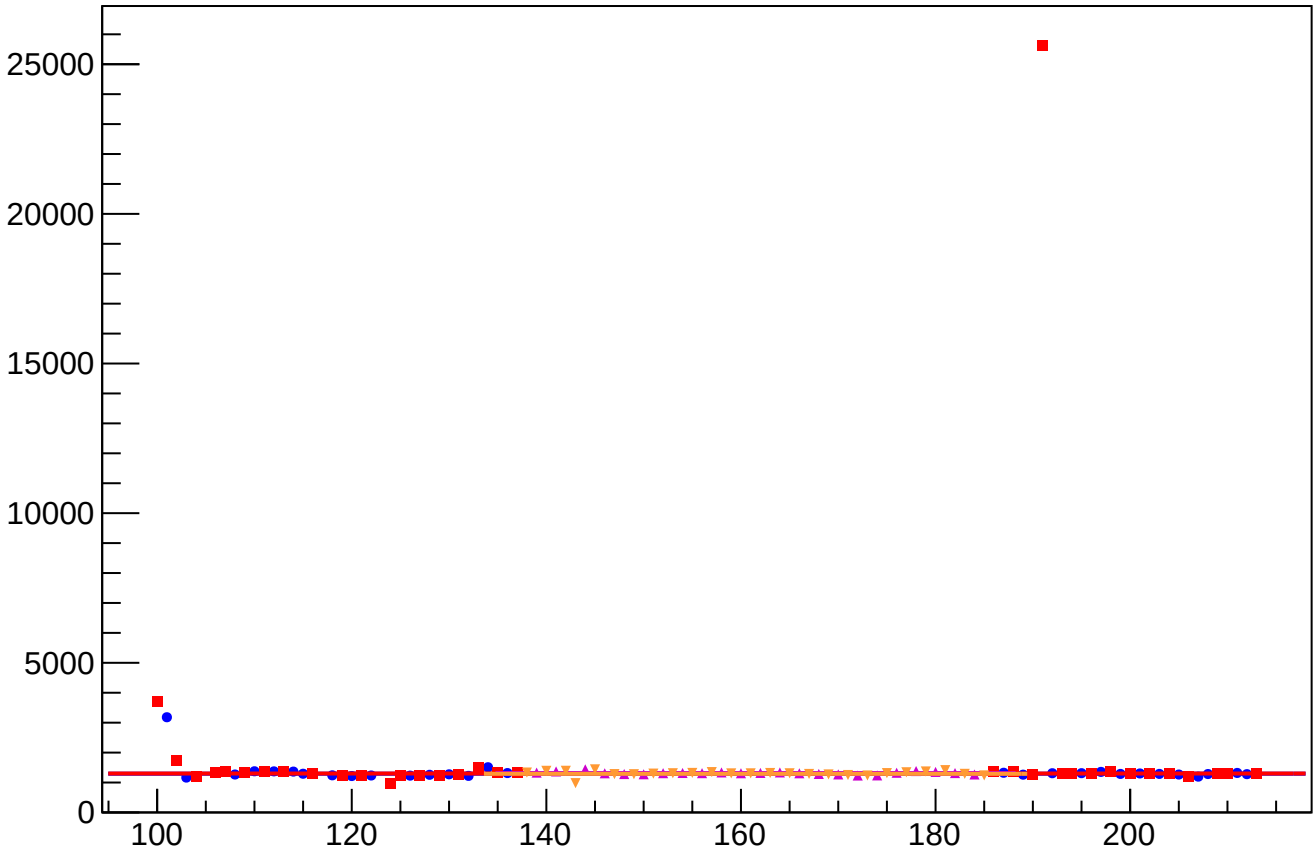
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -286.381+/-217.562 χ^2/NDF: 57.5/62

In: -497.257+/-219.022 χ^2/NDF:41.3/51

Out: 195.165+/-211.118 χ^2/NDF:78.6/58

All: -138.327+/-152.001 χ^2/NDF: 125.1/110



Right In: 1294.402+/-0.221 χ^2/NDF: 529767.8/28

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

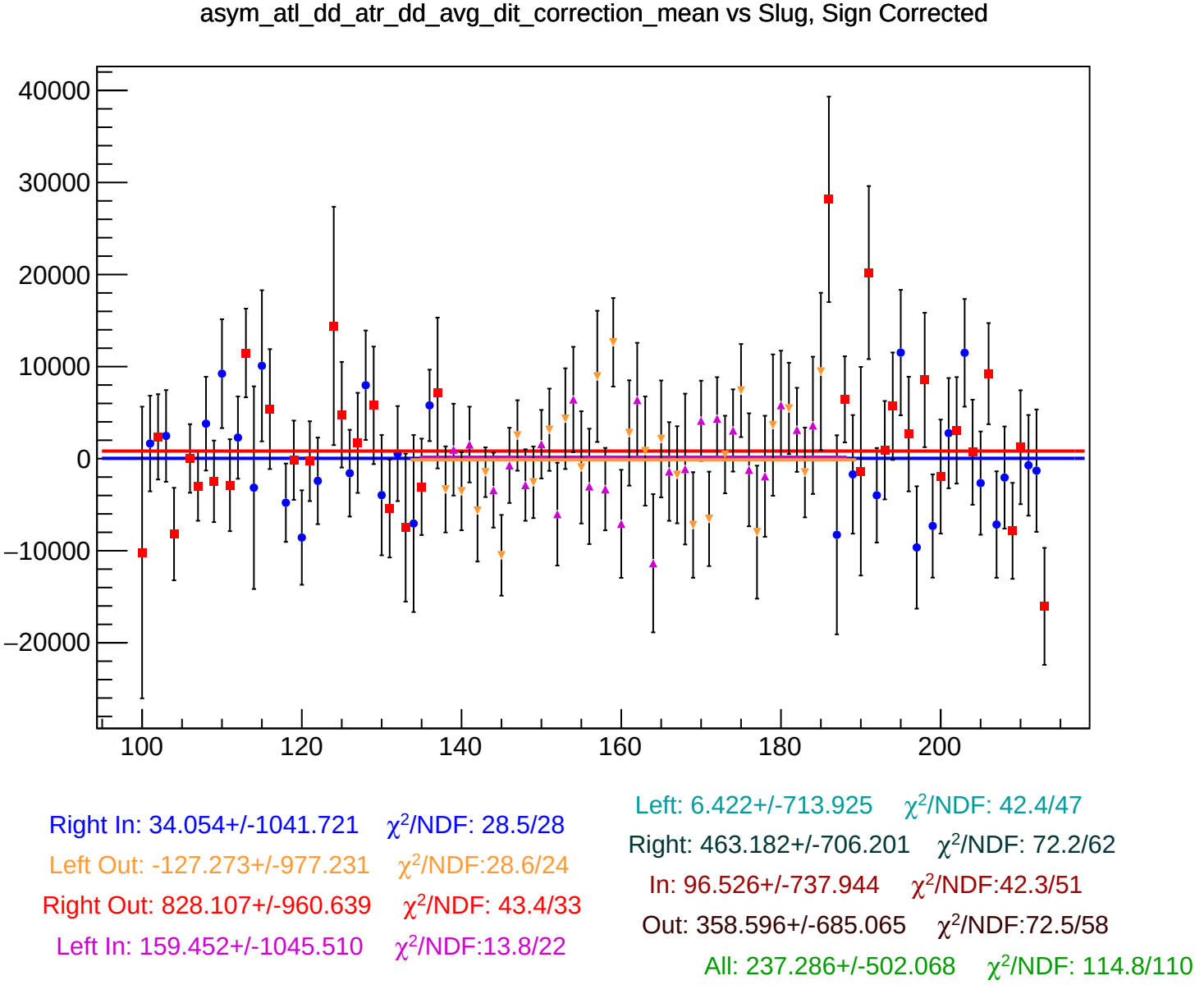
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1297.788+/-0.154 χ^2/NDF: 908573.1/62

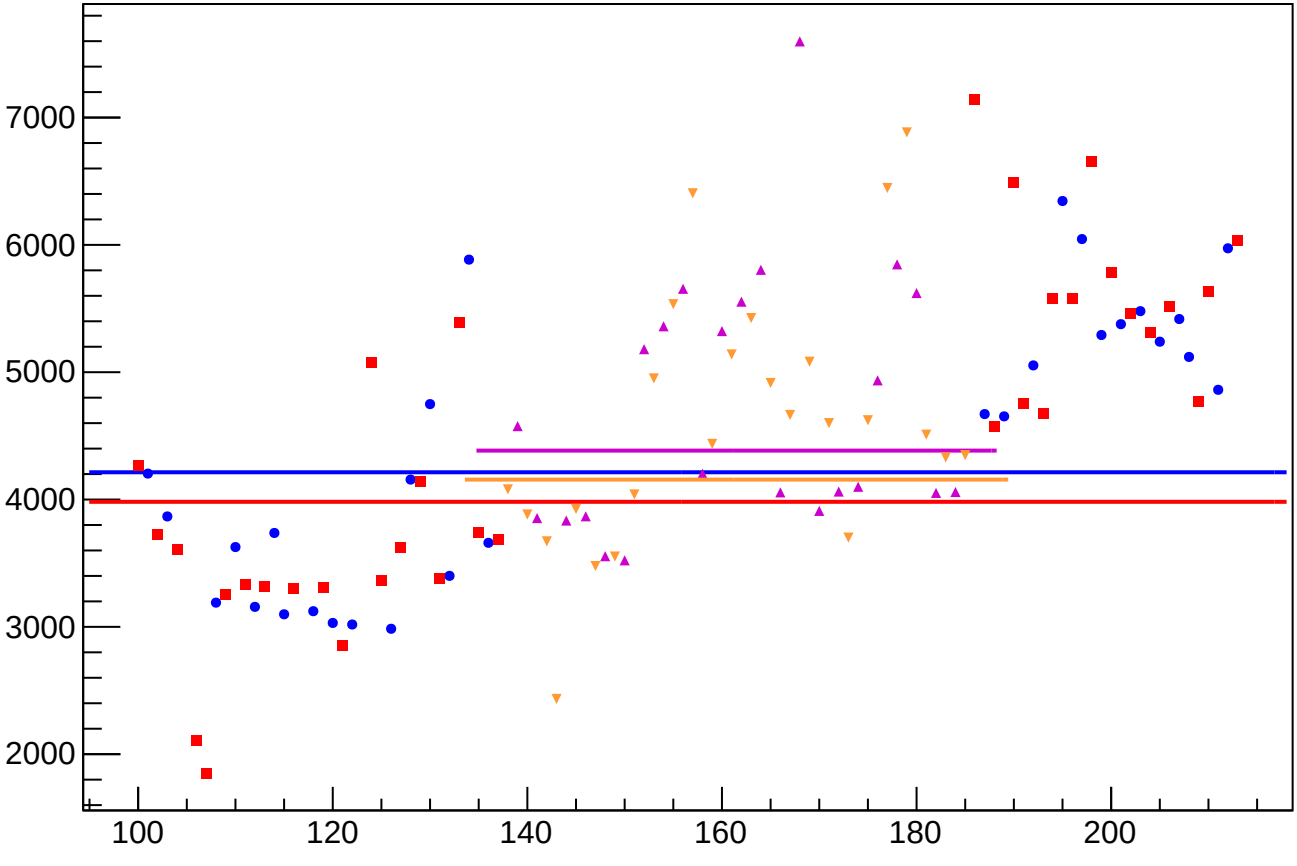
In: 1304.376+/-0.155 χ^2/NDF:576816.8/51

Out: 1295.948+/-0.149 χ^2/NDF:610152.9/58

All: 1300.007+/-0.107 χ^2/NDF: 1188505.2/11


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: 34.054+/-1041.721 χ²/NDF: 28.5/28
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: 463.182+/-706.201 χ²/NDF: 72.2/62
In: 96.526+/-737.944 χ²/NDF:42.3/51
Out: 358.596+/-685.065 χ²/NDF:72.5/58
All: 237.286+/-502.068 χ²/NDF: 114.8/110

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4214.129+/-0.737 χ^2/NDF: 1962126.5/28

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

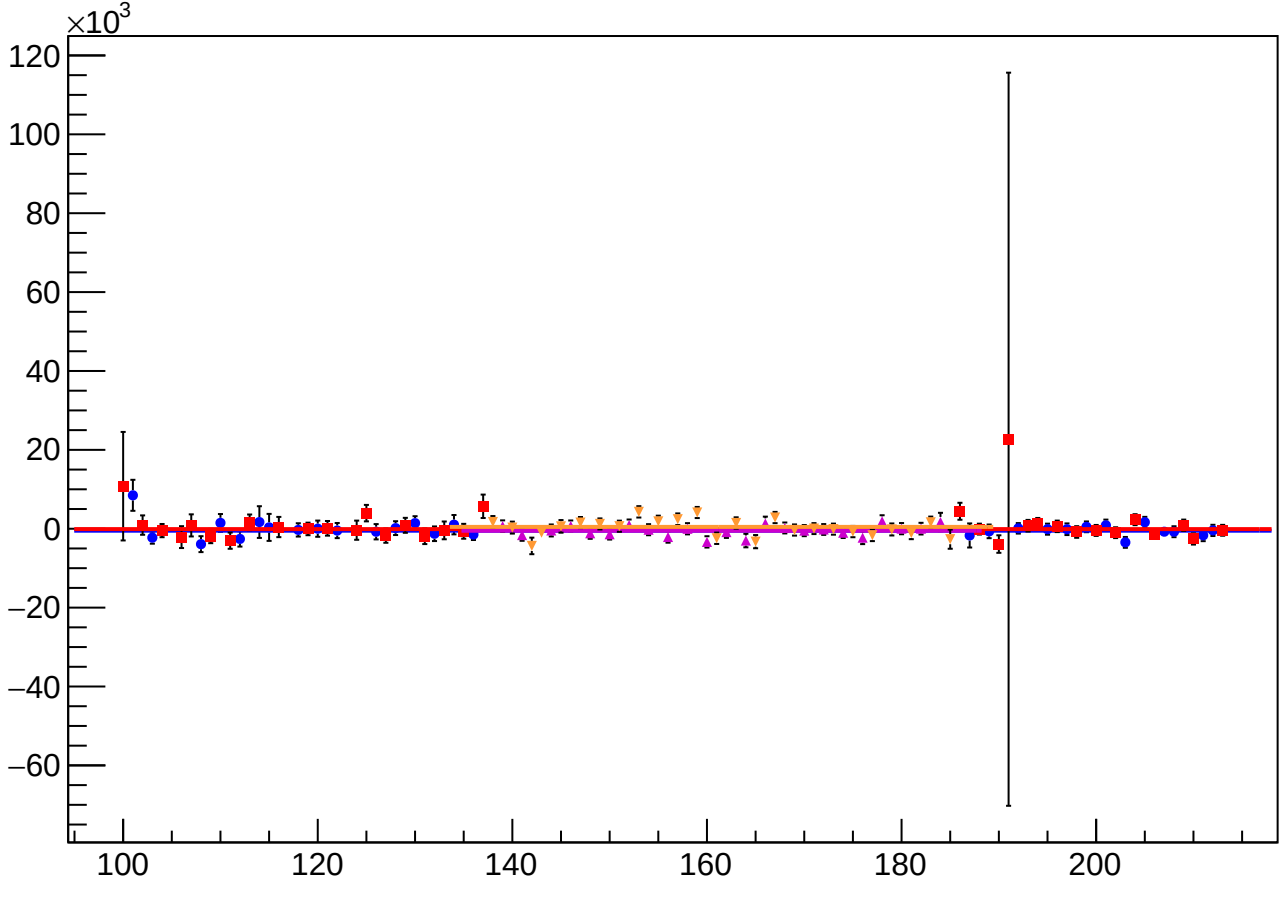
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4088.733+/-0.499 χ^2/NDF: 5500352.2/62

In: 4298.917+/-0.522 χ^2/NDF:3244192.6/51

Out: 4067.846+/-0.484 χ^2/NDF:5597793.9/58

All: 4174.807+/-0.355 χ^2/NDF: 8947312.4/11



Right In: -490.730+/-312.505 χ^2/NDF: 23.9/28

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

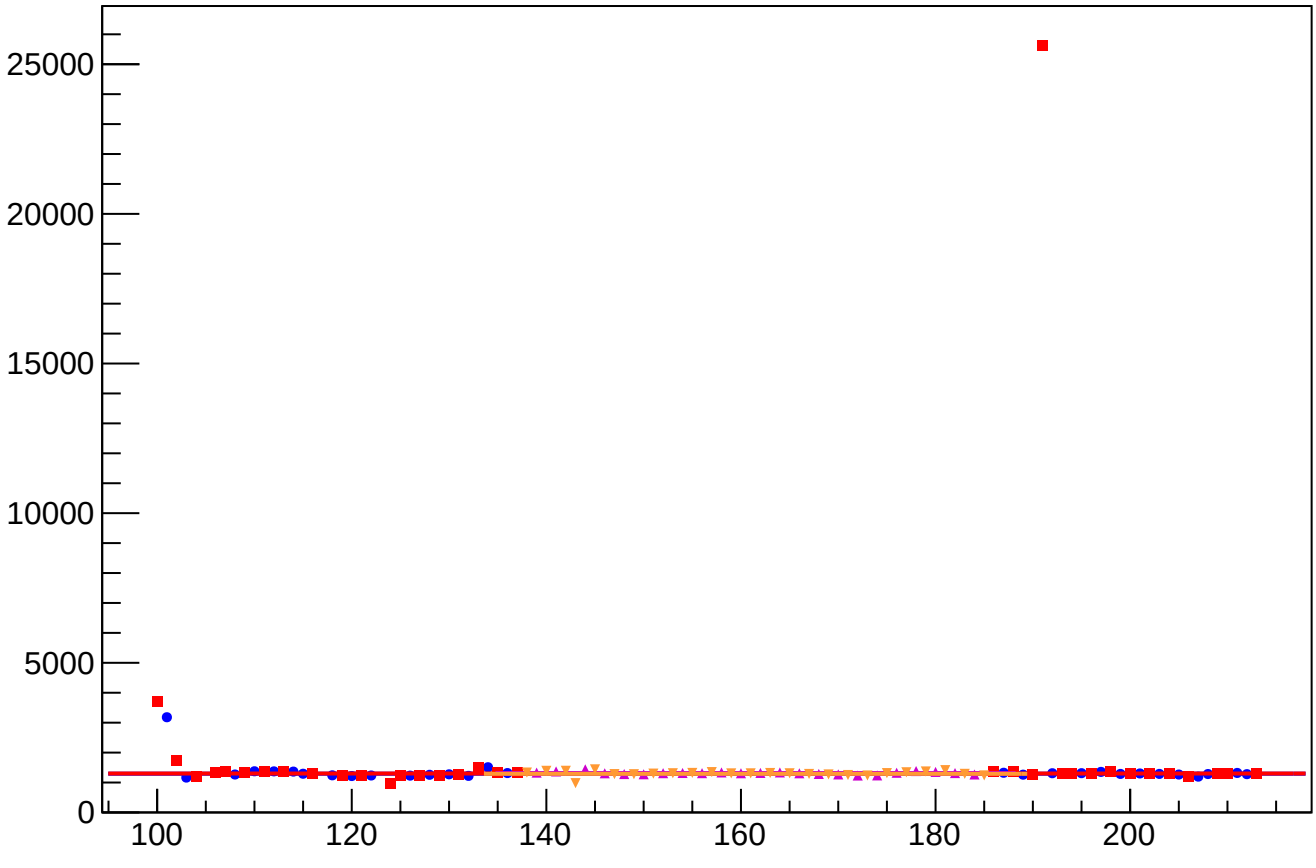
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -286.382+/-217.562 χ^2/NDF: 57.5/62

In: -497.257+/-219.022 χ^2/NDF:41.3/51

Out: 195.166+/-211.118 χ^2/NDF:78.6/58

All: -138.326+/-152.001 χ^2/NDF: 125.1/110



Right In: 1294.402+/-0.221 χ^2/NDF: 529767.9/28

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

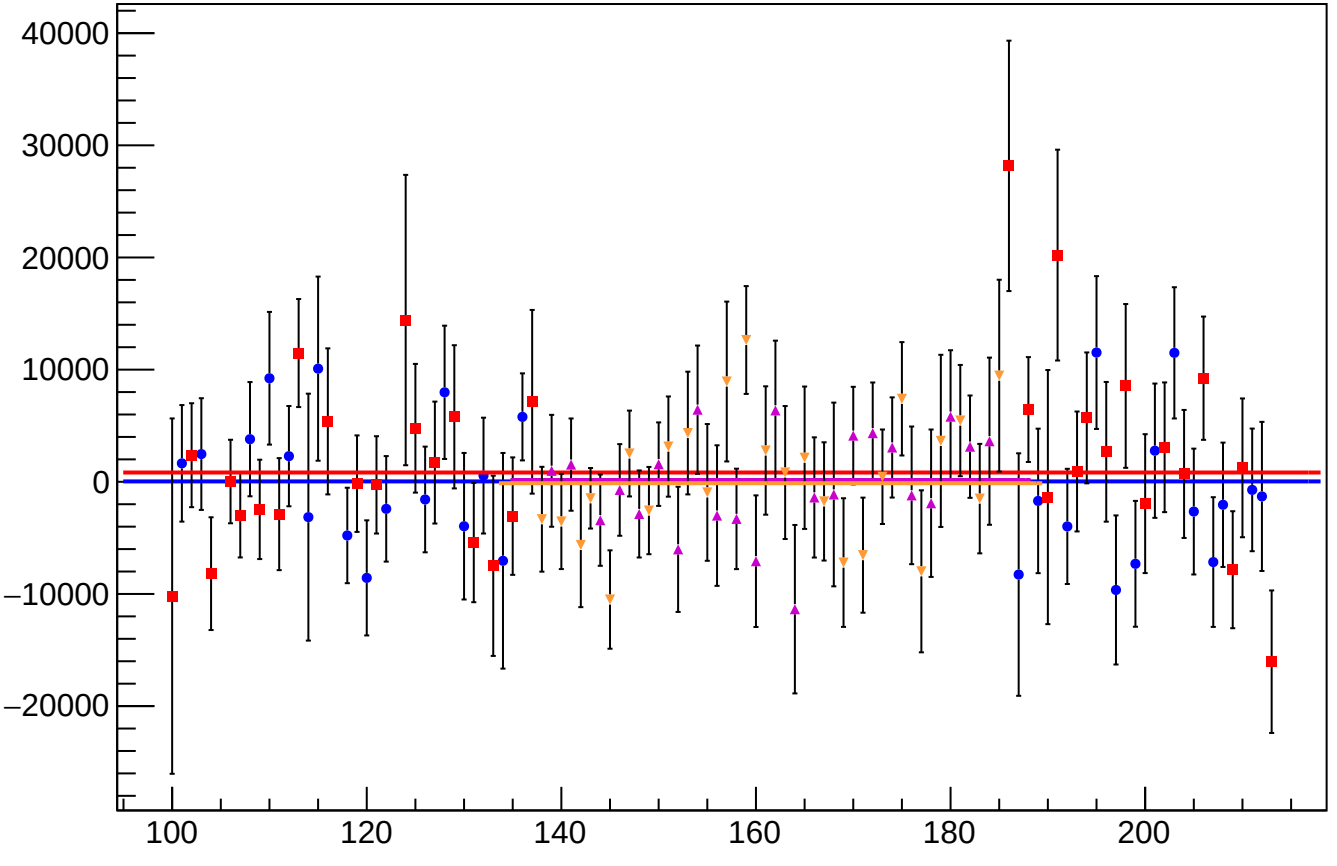
Right: 1297.788+/-0.154 χ^2/NDF: 908573.3/62

In: 1304.377+/-0.155 χ^2/NDF:576819.5/51

Out: 1295.949+/-0.149 χ^2/NDF:610155.3/58

All: 1300.007+/-0.107 χ^2/NDF: 1188510.3/11

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 34.051+/-1041.720 χ^2/NDF: 28.5/28

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

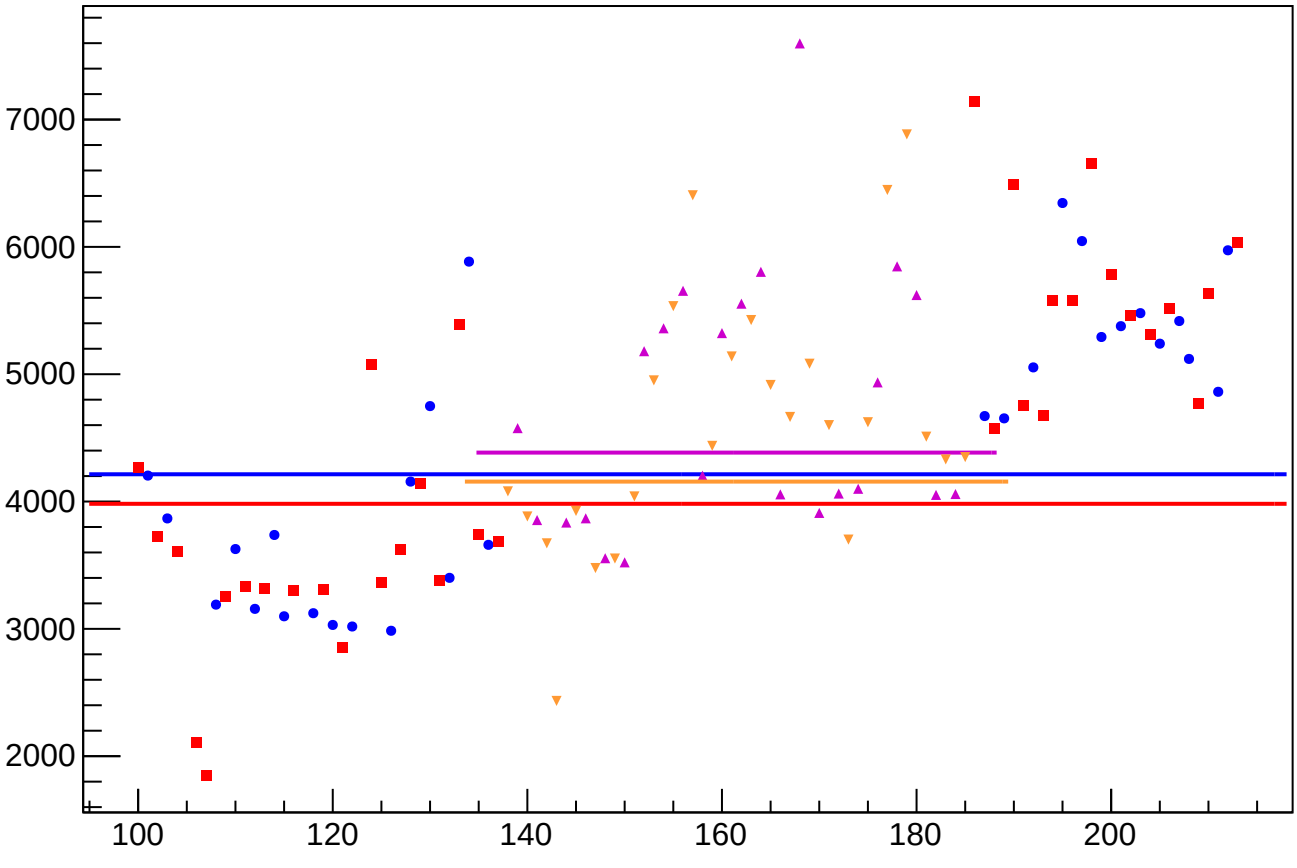
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 463.177+/-706.201 χ^2/NDF: 72.2/62

In: 96.524+/-737.944 χ^2/NDF:42.3/51

Out: 358.596+/-685.065 χ^2/NDF:72.5/58

All: 237.285+/-502.068 χ^2/NDF: 114.8/110



Right In: 4214.124+/-0.737 χ^2/NDF: 1962162.4/28

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

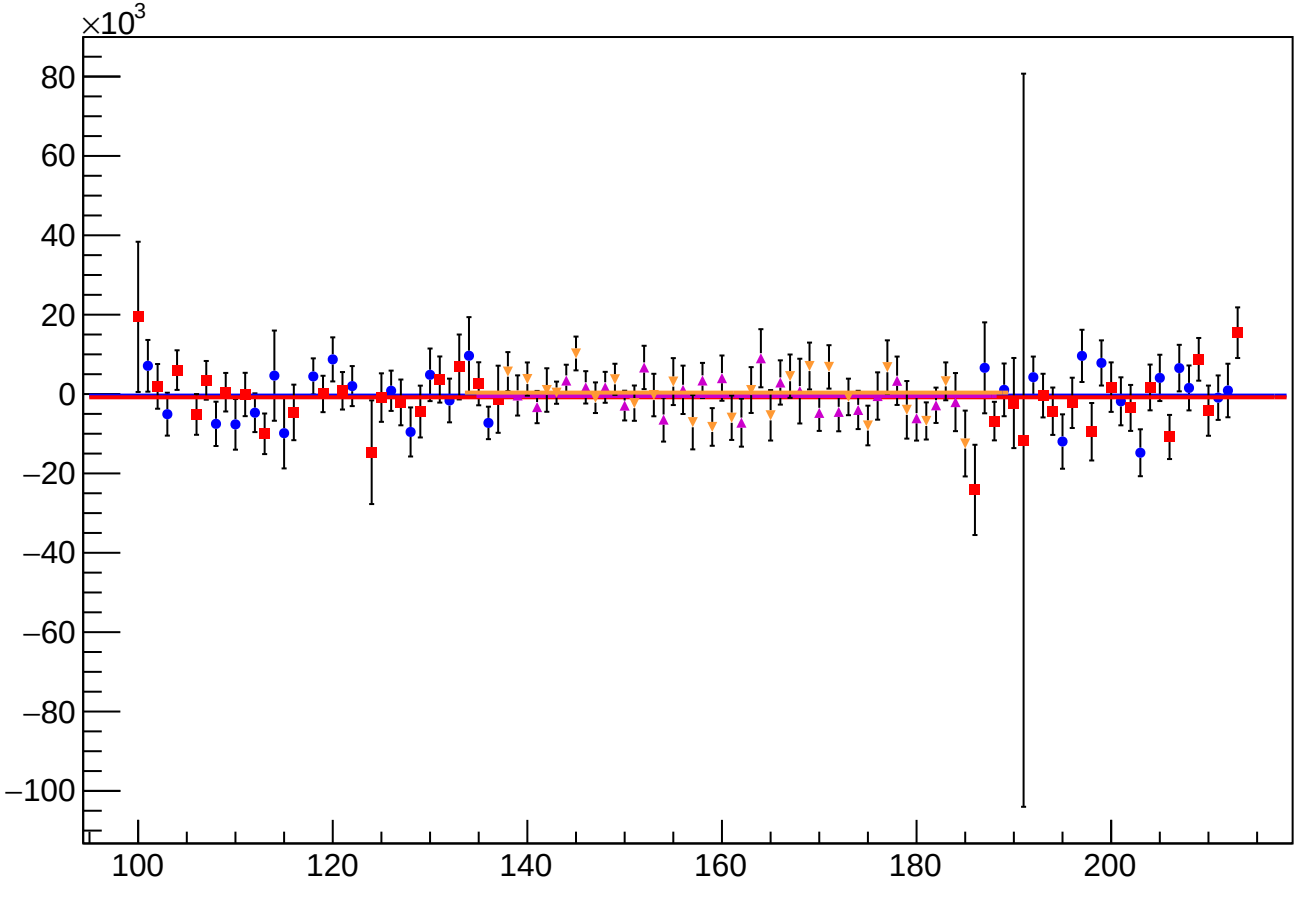
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4088.728+/-0.499 χ^2/NDF: 5500422.8/62

In: 4298.917+/-0.522 χ^2/NDF:3244236.5/51

Out: 4067.846+/-0.484 χ^2/NDF:5597835.7/58

All: 4174.807+/-0.355 χ^2/NDF: 8947398.5/11



Right In: -388.617+/-1097.646 χ^2/NDF: 34.6/28

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

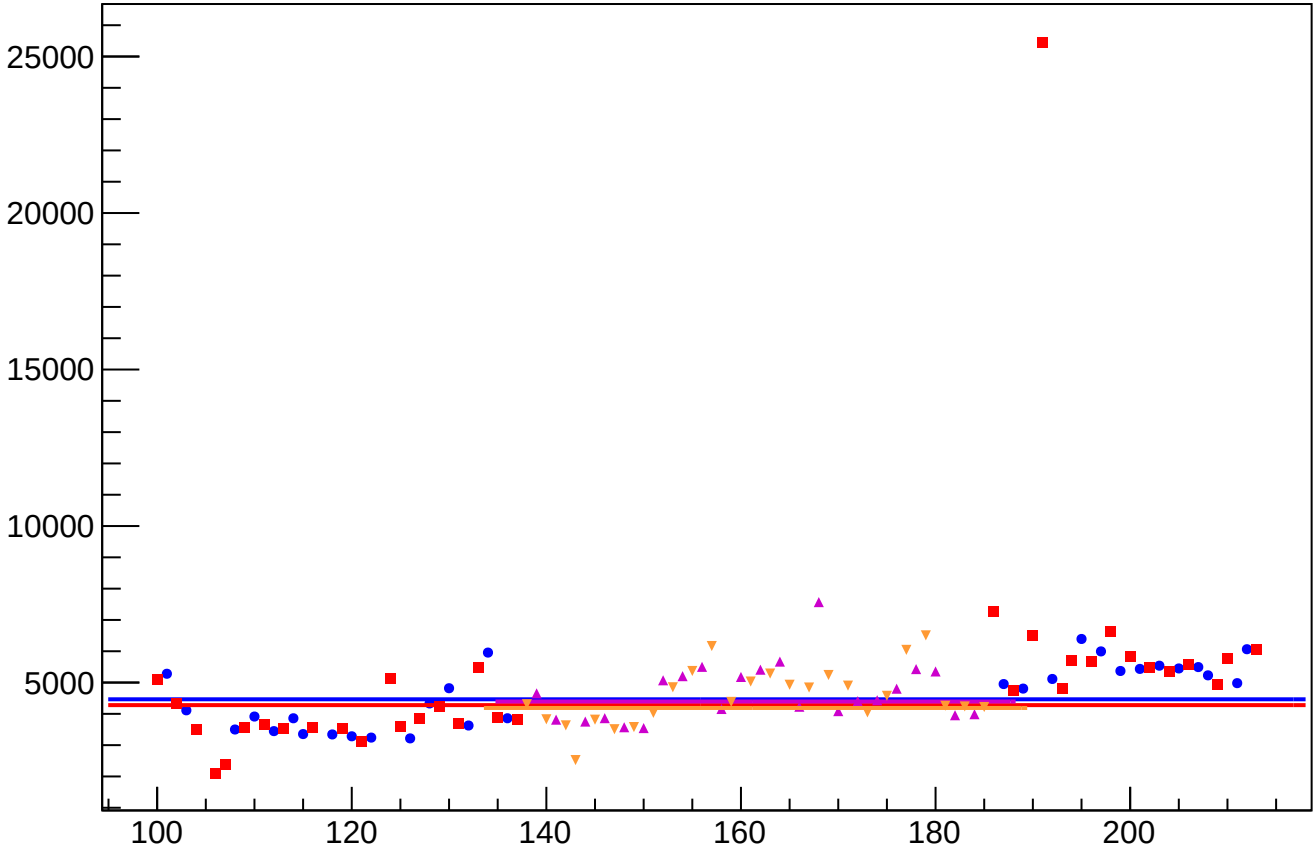
Right: -617.086+/-754.779 χ^2/NDF: 67.9/62

In: -445.759+/-756.742 χ^2/NDF:48.5/51

Out: -194.756+/-713.037 χ^2/NDF:61.6/58

All: -312.800+/-518.957 χ^2/NDF: 110.1/110

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 4465.044+/-0.776 χ^2/NDF: 1592301.9/28

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

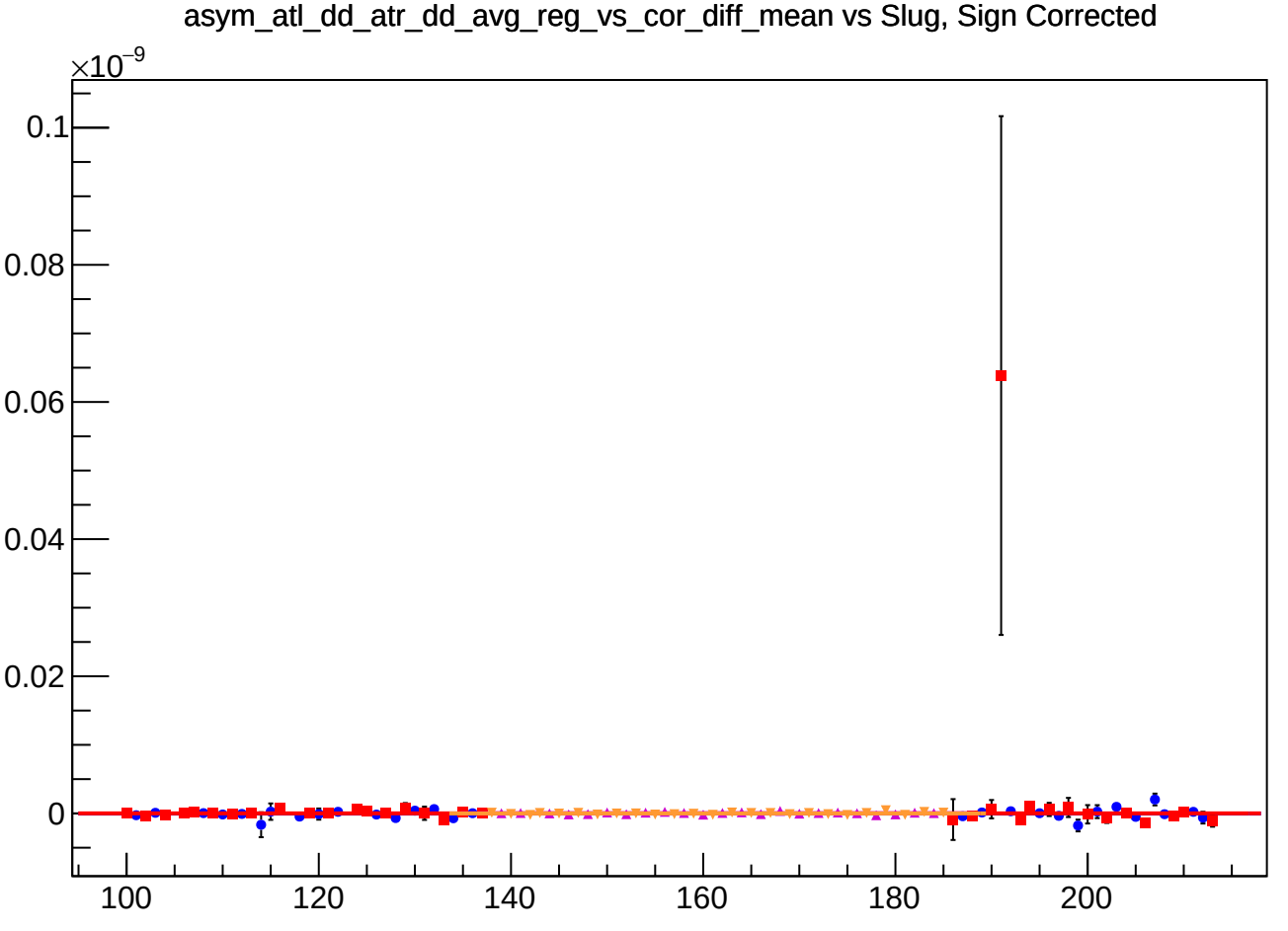
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4366.056+/-0.531 χ^2/NDF: 4394077.9/62

In: 4427.938+/-0.535 χ^2/NDF:2685052.9/51

Out: 4230.987+/-0.502 χ^2/NDF:4575675.1/58

All: 4323.224+/-0.366 χ^2/NDF: 7332755.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/28

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

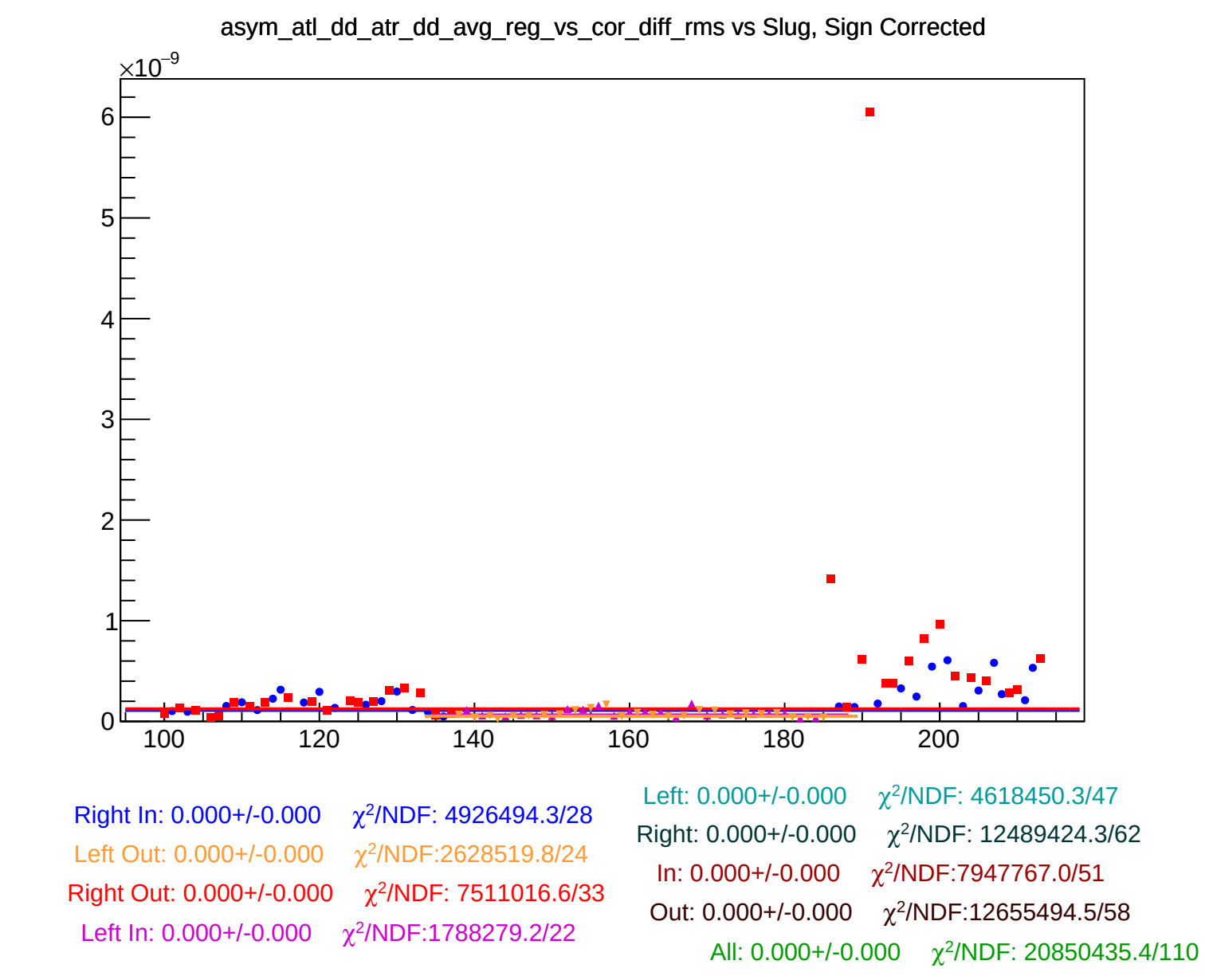
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 70.7/62

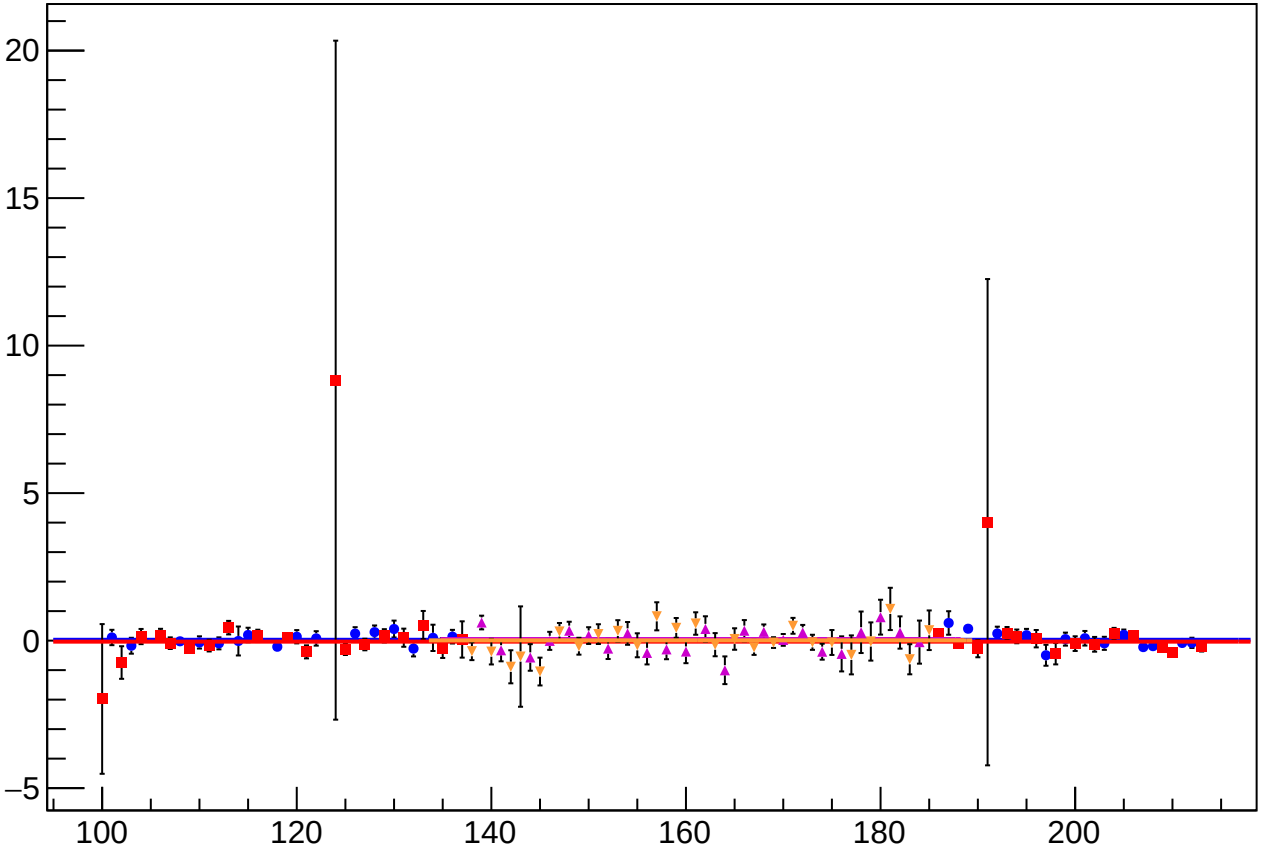
In: 0.000+/-0.000 χ^2/NDF:52.8/51

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: 0.000+/-0.000 χ^2/NDF: 118.8/110


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4926494.3/28
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 7511016.6/33
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 12489424.3/62
In: 0.000+/-0.000 χ²/NDF:7947767.0/51
Out: 0.000+/-0.000 χ²/NDF:12655494.5/58
All: 0.000+/-0.000 χ²/NDF: 20850435.4/110

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.040 χ^2/NDF: 27.6/28

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

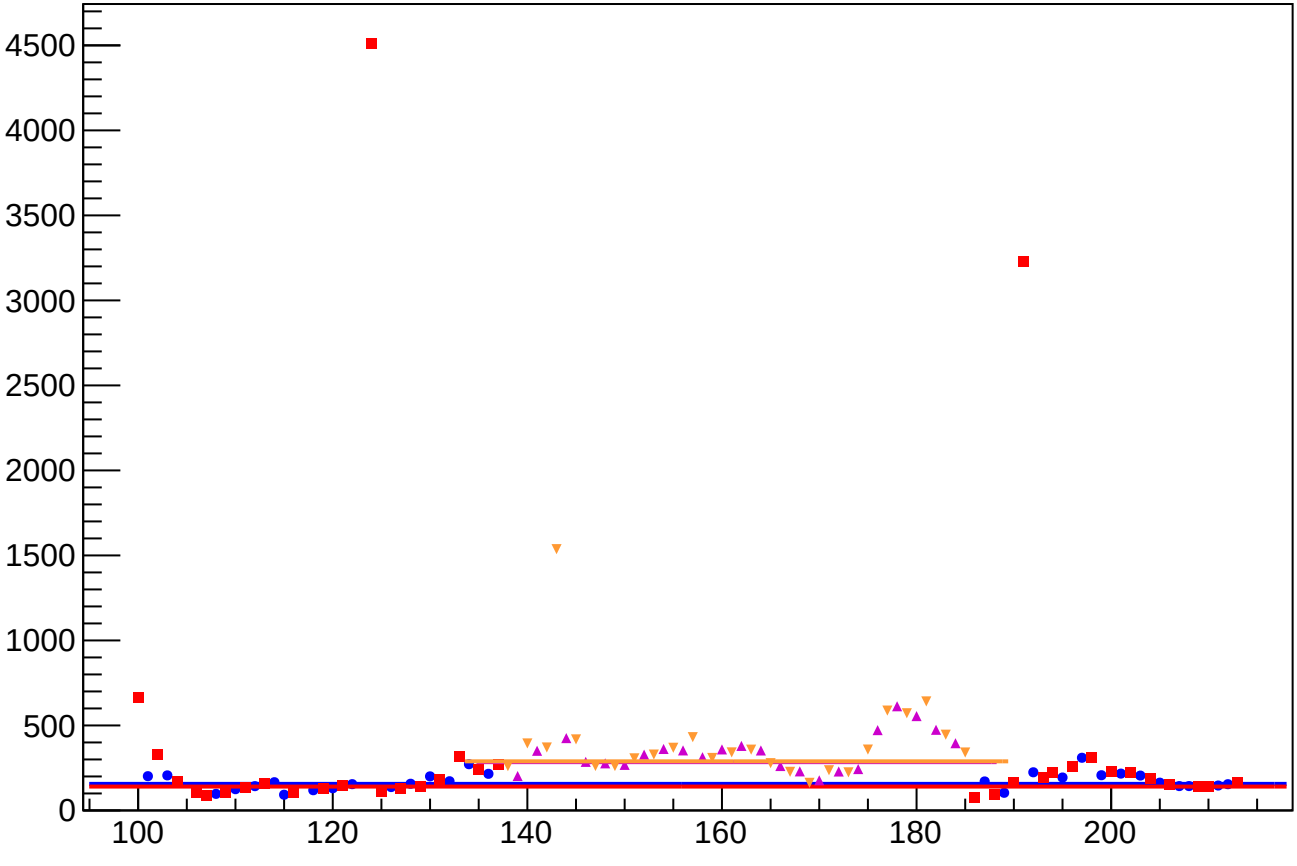
Right: -0.006+/-0.027 χ^2/NDF: 69.7/62

In: 0.034+/-0.035 χ^2/NDF:55.4/51

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.002+/-0.023 χ^2/NDF: 127.0/110

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.312+/-0.028 χ^2/NDF: 2259862.8/28

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

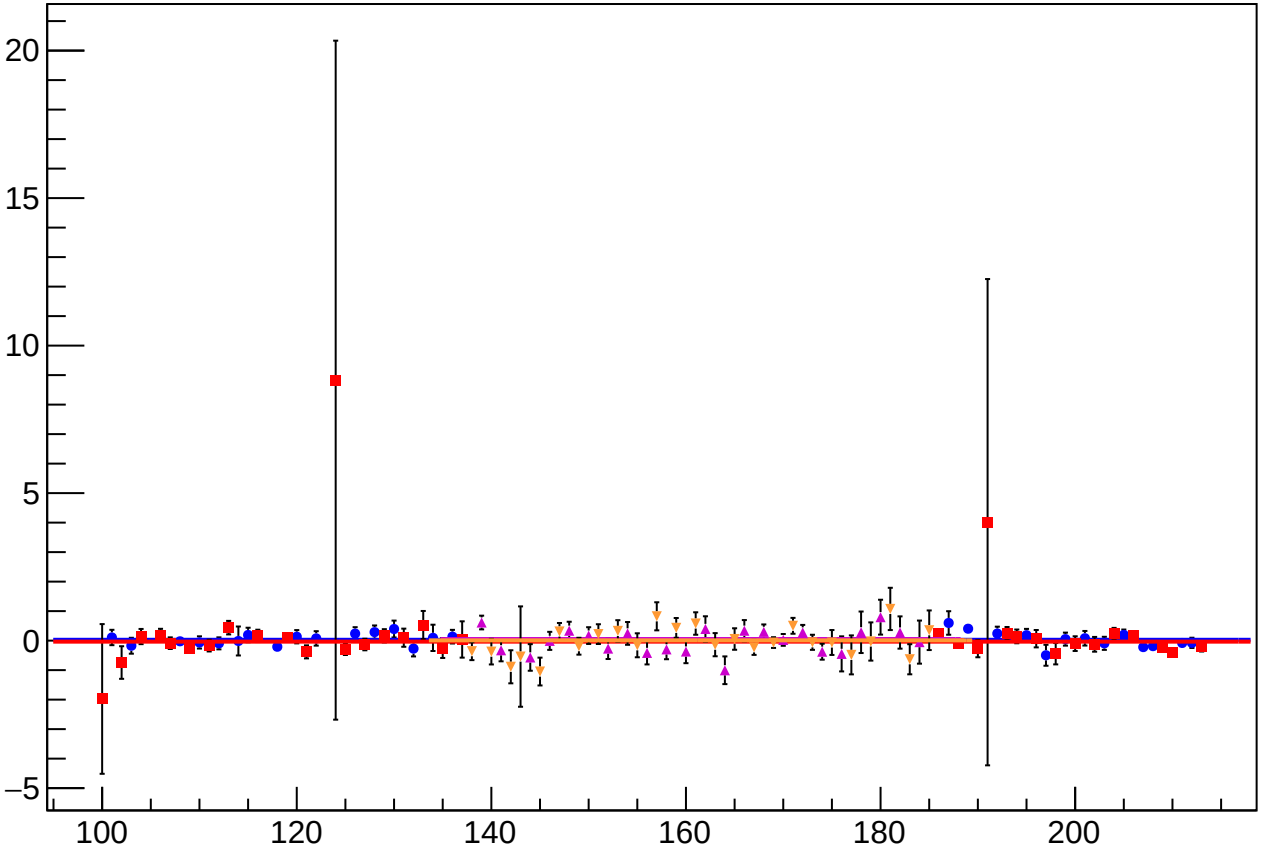
Right: 147.599+/-0.019 χ^2/NDF: 7156310.2/62

In: 187.023+/-0.024 χ^2/NDF:10348945.3/51

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 178.134+/-0.017 χ^2/NDF: 26933439.9/11

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.040 χ^2/NDF: 27.6/28

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

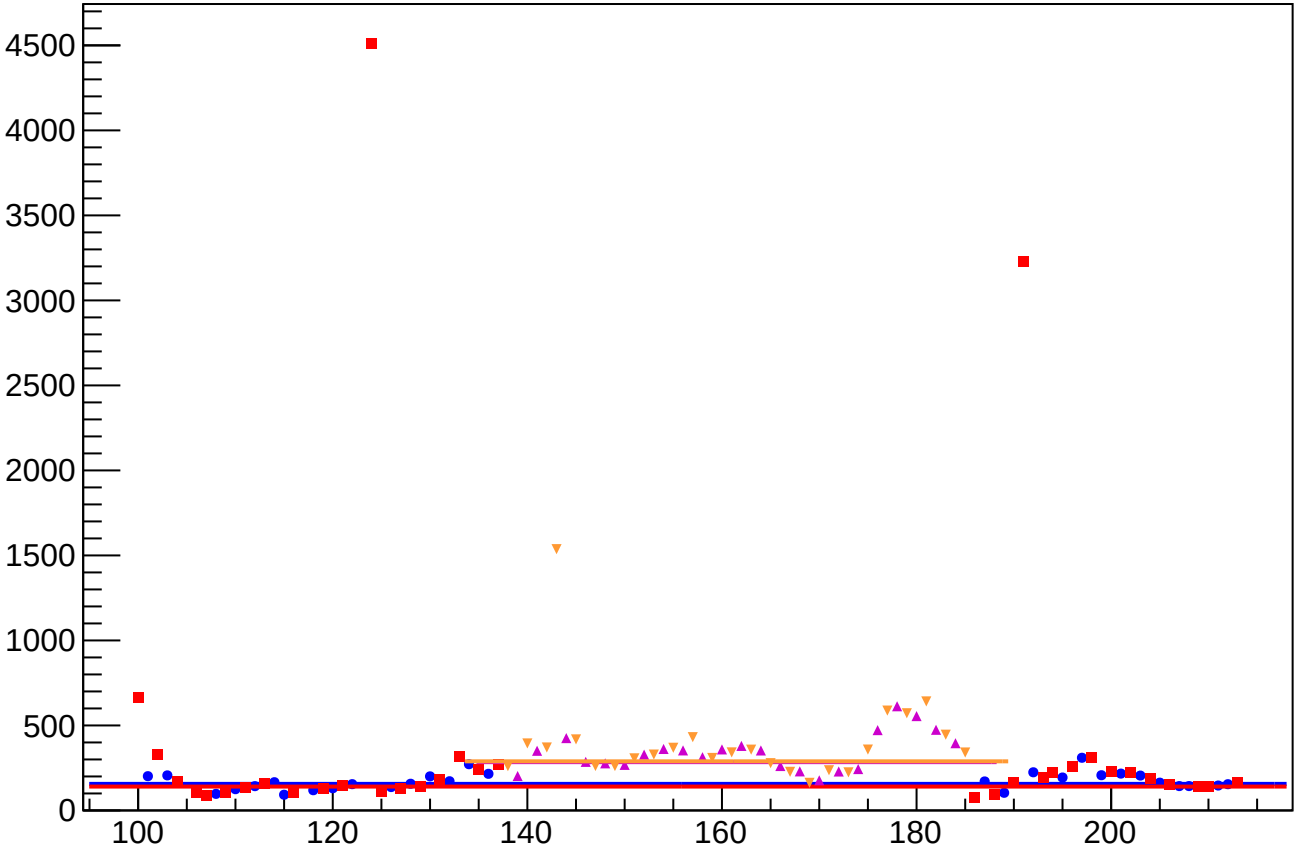
Right: -0.006+/-0.027 χ^2/NDF: 69.7/62

In: 0.034+/-0.035 χ^2/NDF:55.4/51

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.002+/-0.023 χ^2/NDF: 127.0/110

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.312+/-0.028 χ^2/NDF: 2259862.8/28

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

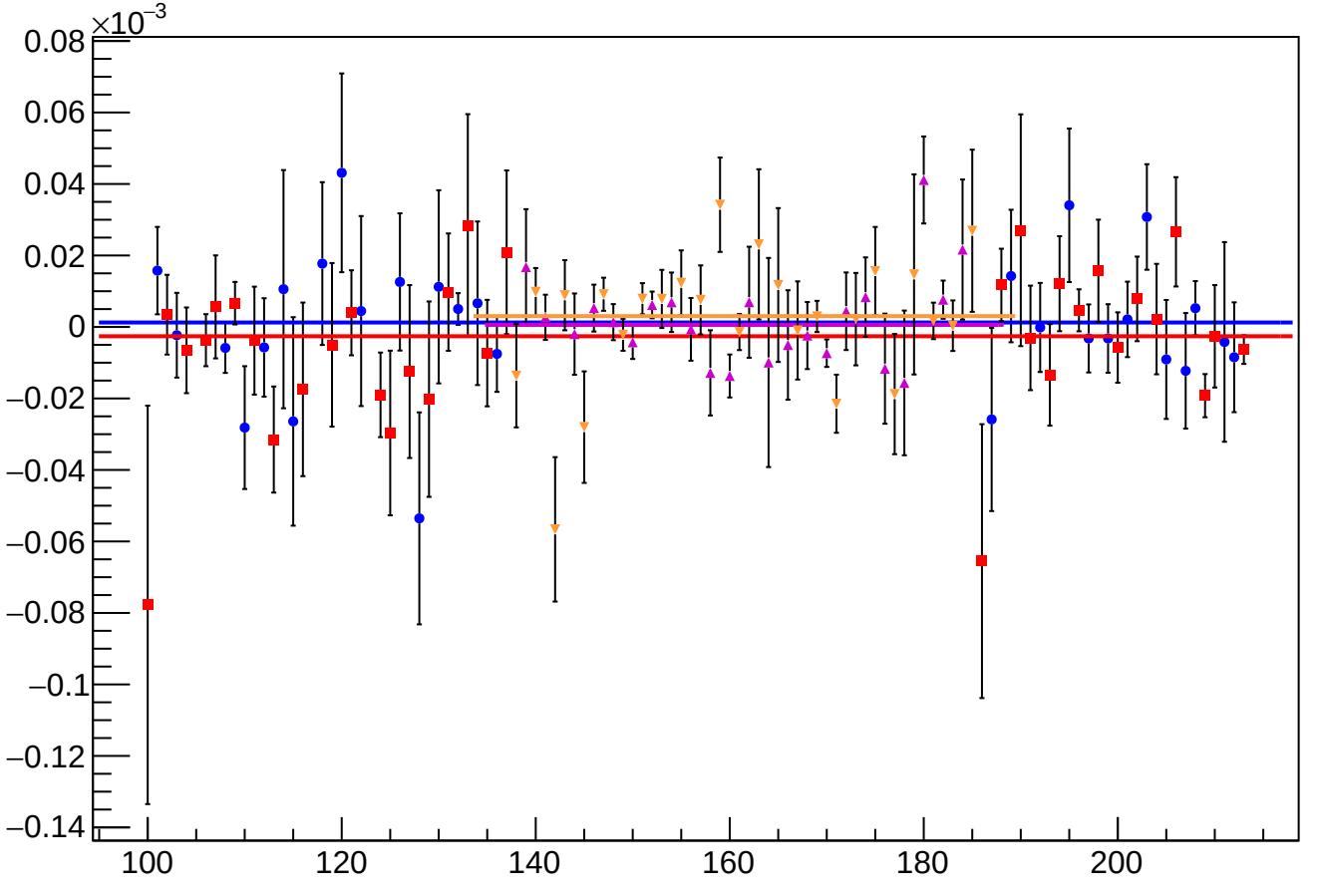
Right: 147.599+/-0.019 χ^2/NDF: 7156310.2/62

In: 187.023+/-0.024 χ^2/NDF:10348945.3/51

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 178.134+/-0.017 χ^2/NDF: 26933439.9/11

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/28

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

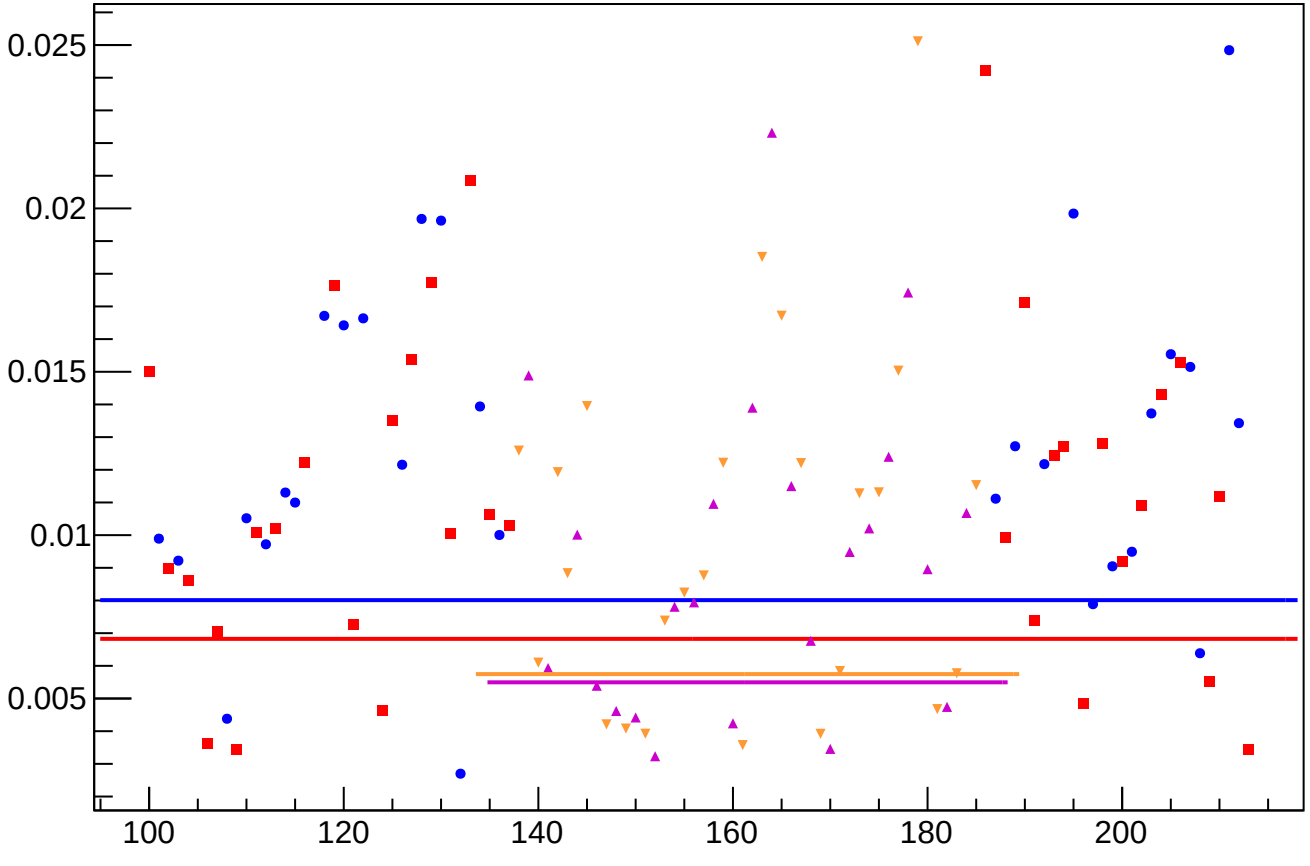
Right: -0.000+/-0.000 χ^2/NDF: 66.4/62

In: 0.000+/-0.000 χ^2/NDF:58.3/51

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 145.7/110

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8483072.5/28

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

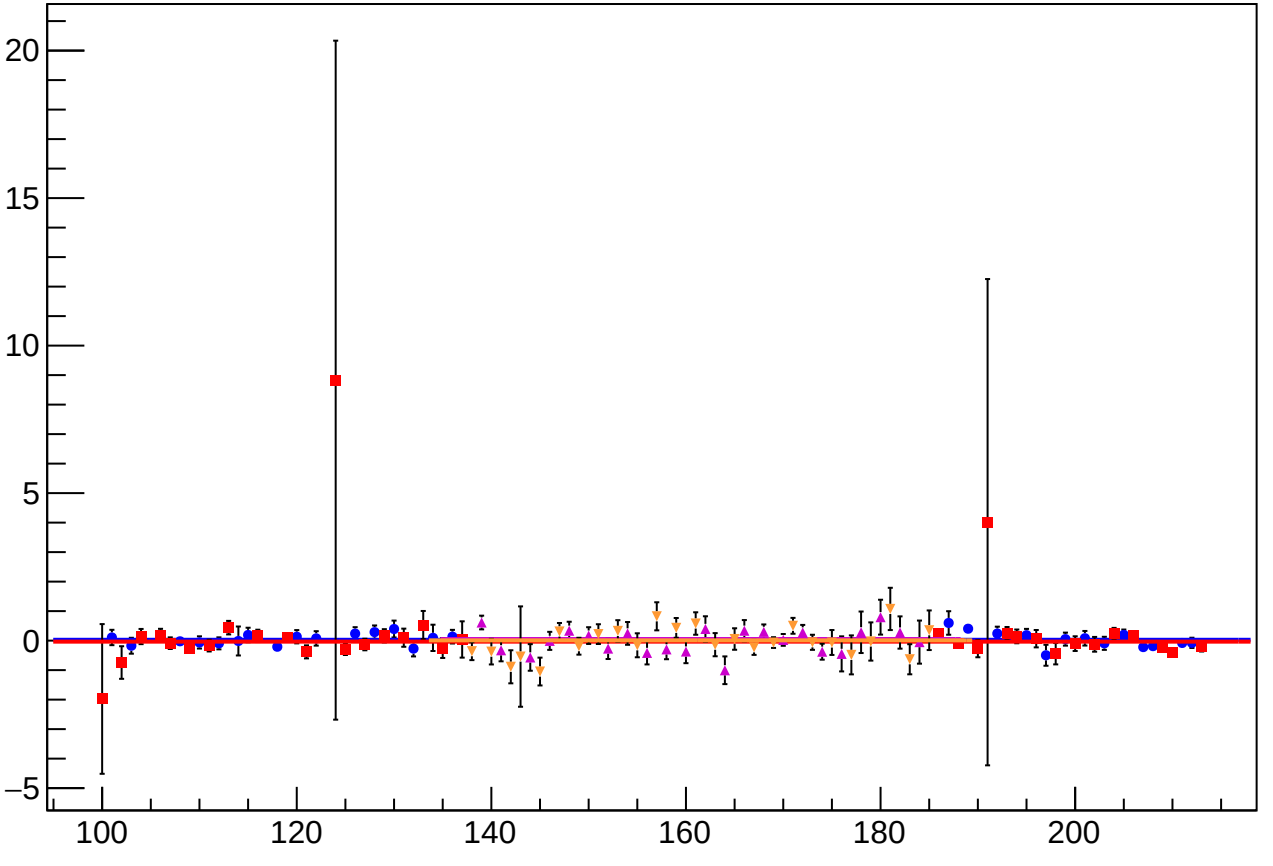
Right: 0.007+/-0.000 χ^2/NDF: 17452293.1/62

In: 0.006+/-0.000 χ^2/NDF:17127801.3/51

Out: 0.006+/-0.000 χ^2/NDF:17173359.8/58

All: 0.006+/-0.000 χ^2/NDF: 34307175.0/110

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.040 χ^2/NDF: 27.6/28

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

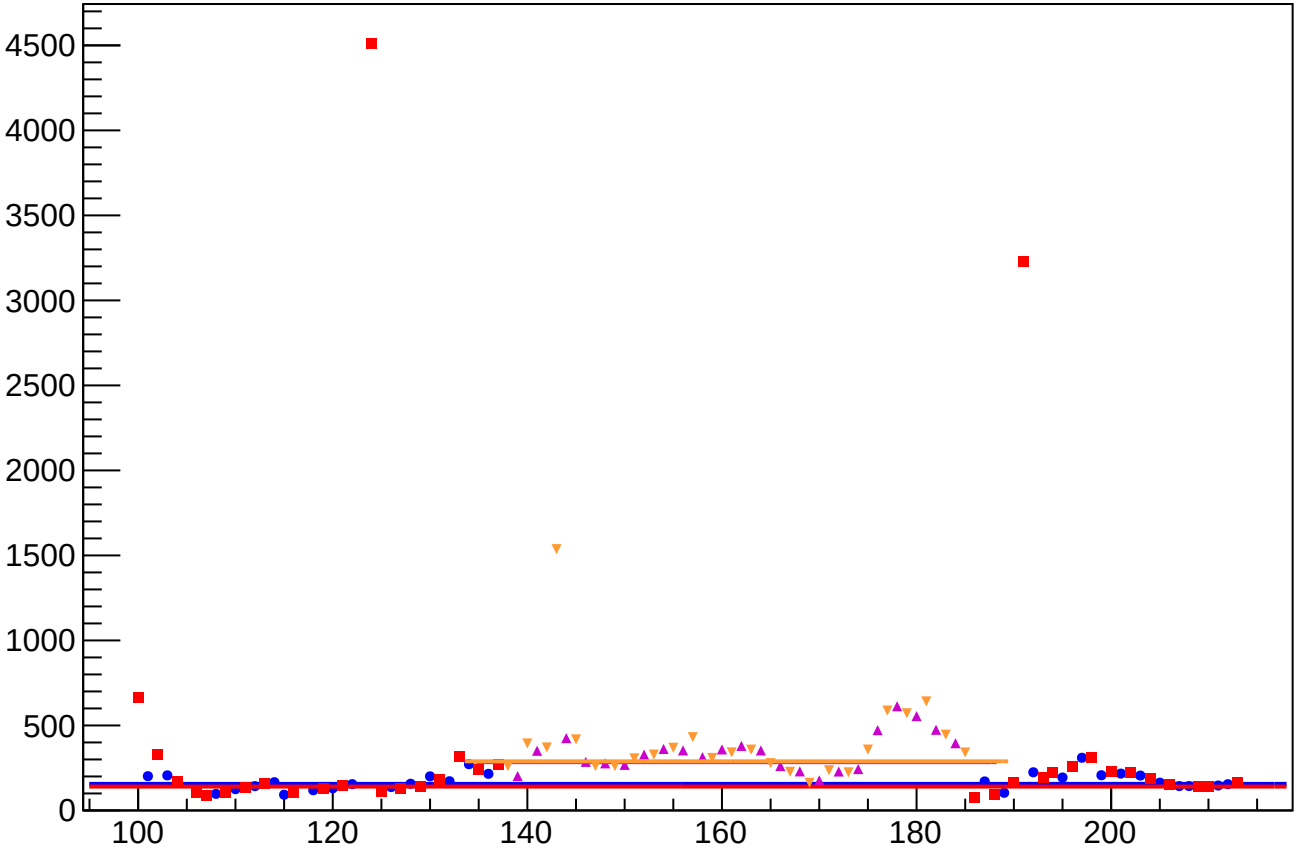
Right: -0.006+/-0.027 χ^2/NDF: 69.7/62

In: 0.034+/-0.035 χ^2/NDF:55.4/51

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.002+/-0.023 χ^2/NDF: 127.0/110

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.312+/-0.028 χ^2/NDF: 2259840.6/28

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

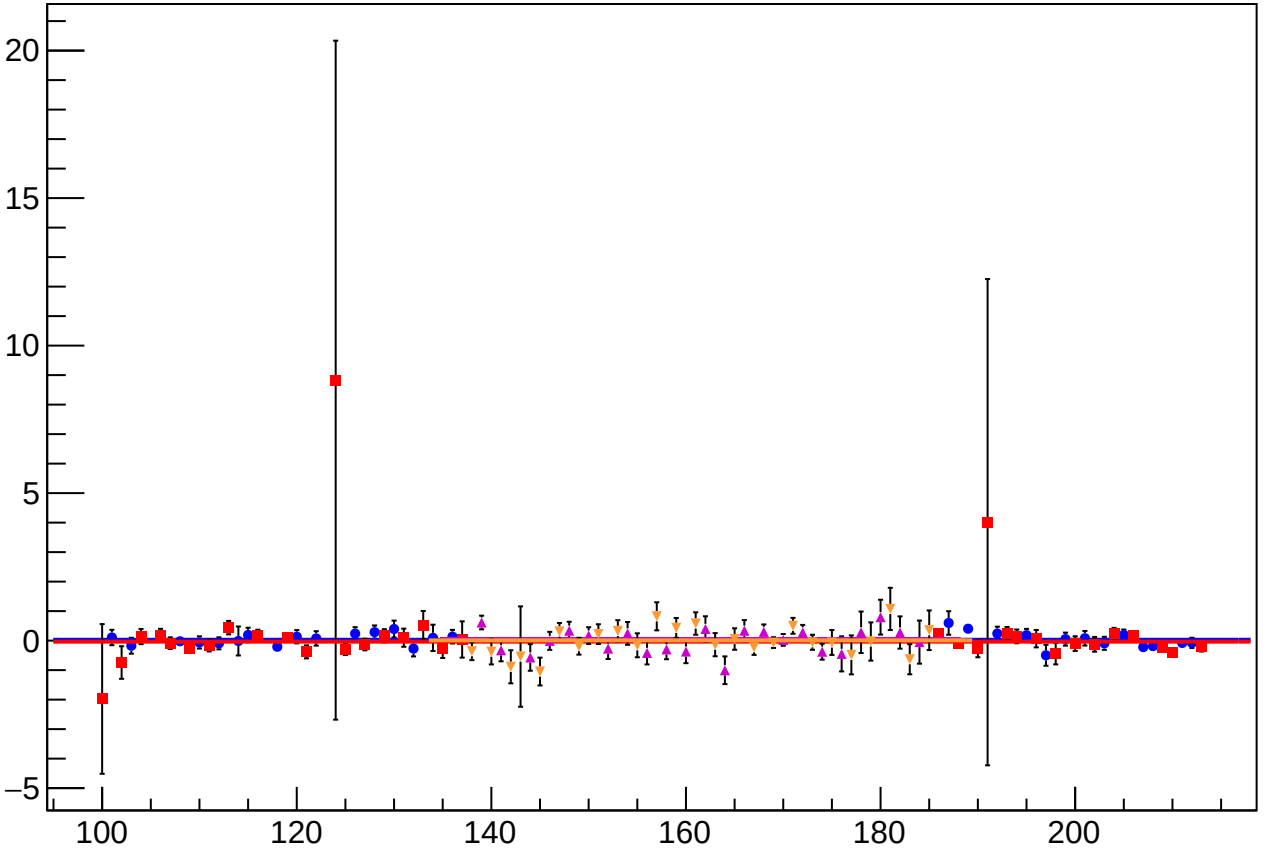
Right: 147.600+/-0.019 χ^2/NDF: 7156097.7/62

In: 187.023+/-0.024 χ^2/NDF:10349027.0/51

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 178.136+/-0.017 χ^2/NDF: 26933313.2/11

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.040 χ^2/NDF: 27.6/28

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

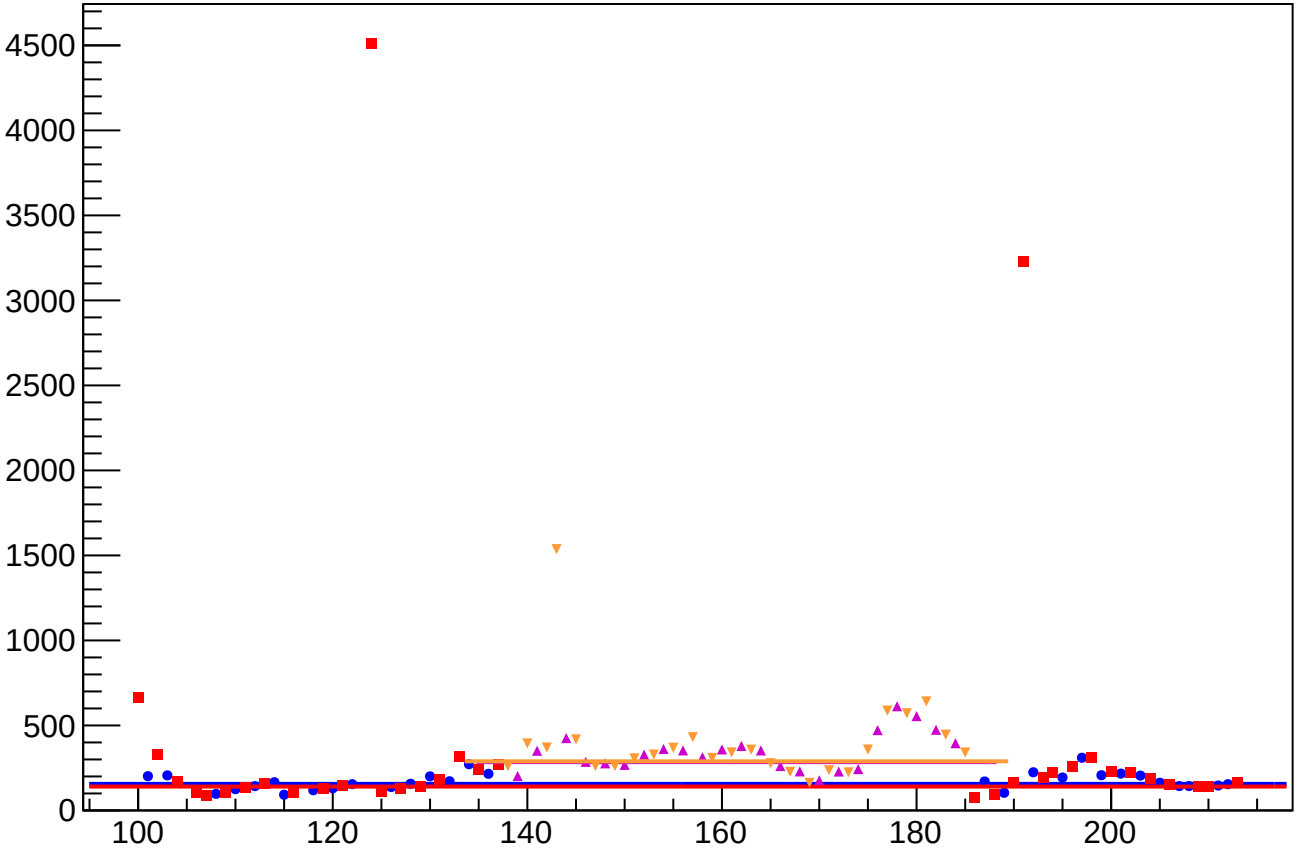
Right: -0.006+/-0.027 χ^2/NDF: 69.7/62

In: 0.034+/-0.035 χ^2/NDF:55.4/51

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.002+/-0.023 χ^2/NDF: 127.0/110

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.312+/-0.028 χ^2/NDF: 2259840.6/28

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

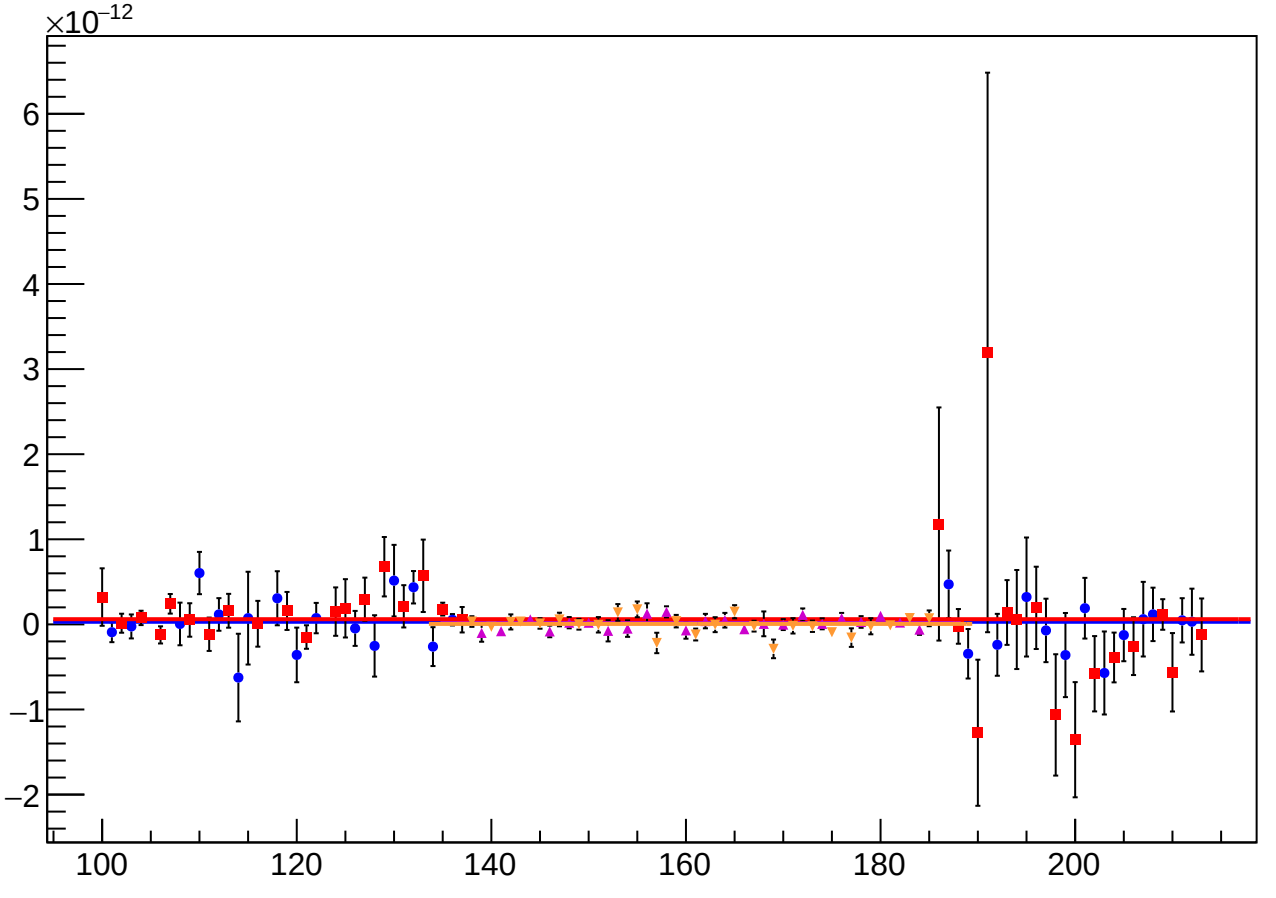
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 147.600+/-0.019 χ^2/NDF: 7156097.7/62

In: 187.023+/-0.024 χ^2/NDF:10349027.0/51

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 178.136+/-0.017 χ^2/NDF: 26933313.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/28

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

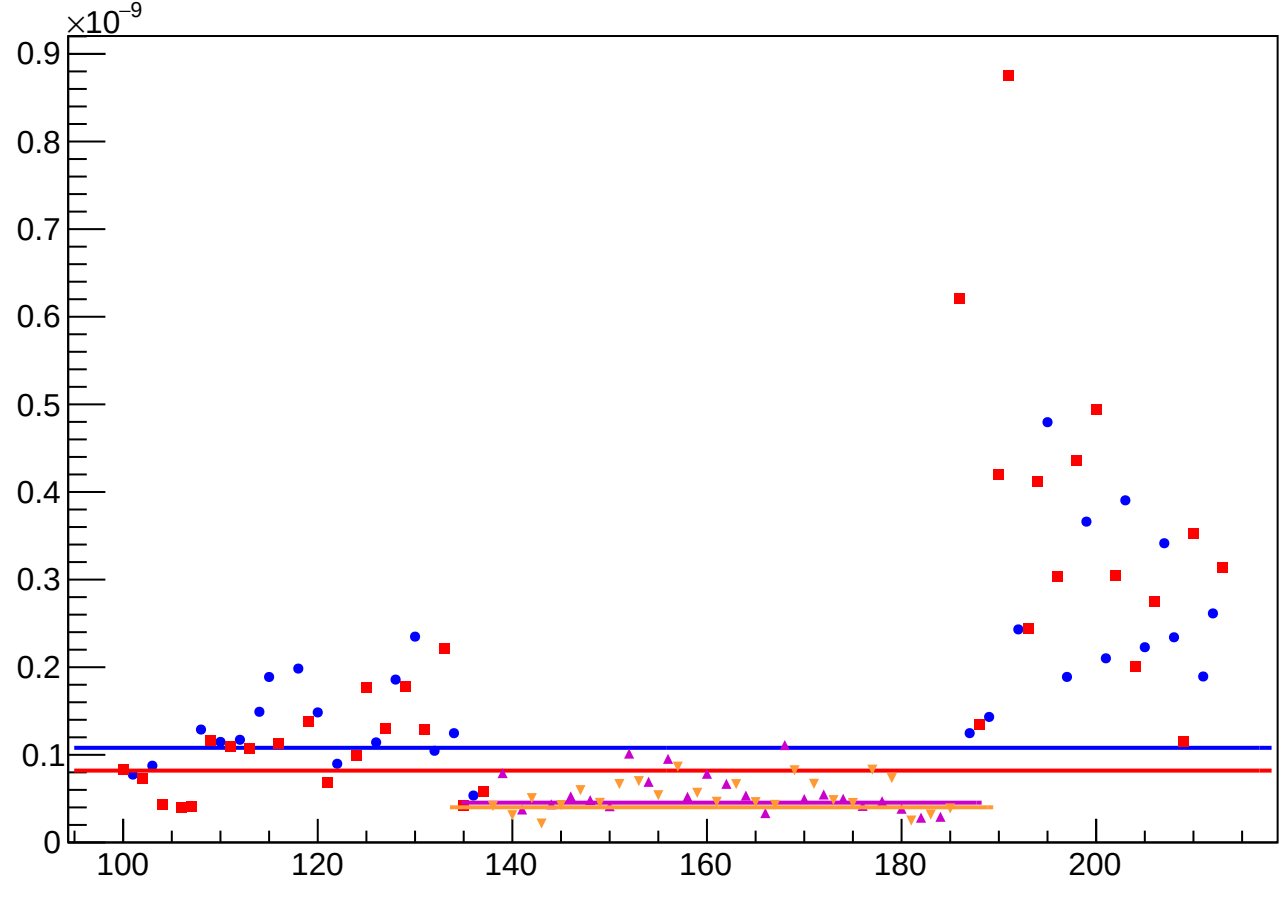
Right: 0.000+/-0.000 χ^2/NDF: 63.1/62

In: 0.000+/-0.000 χ^2/NDF:48.8/51

Out: 0.000+/-0.000 χ^2/NDF:74.0/58

All: 0.000+/-0.000 χ^2/NDF: 122.9/110

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: 6105920.3/28

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

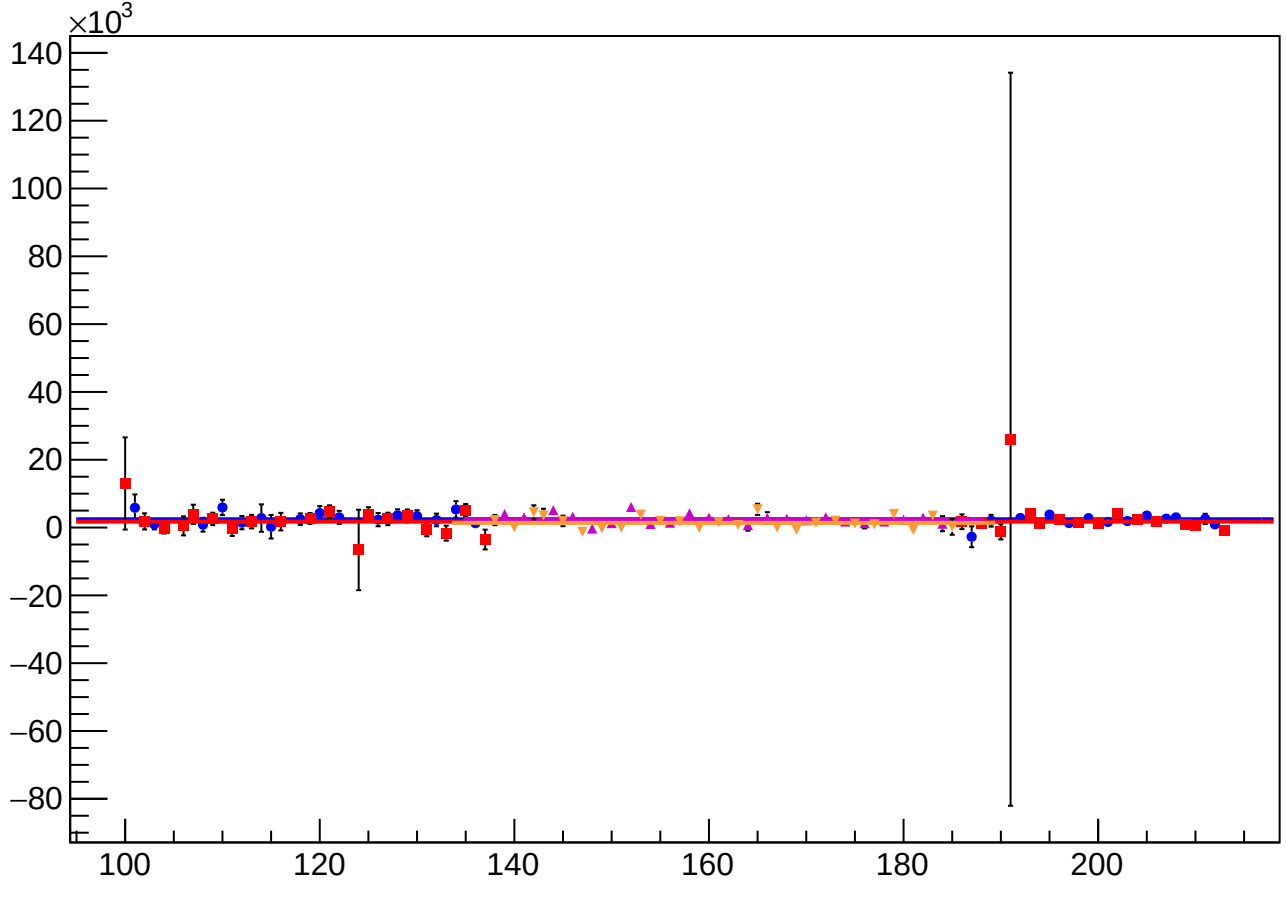
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15621944.6/62

In: 0.000+/-0.000 χ^2/NDF:13404287.9/51

Out: 0.000+/-0.000 χ^2/NDF:15559745.2/58

All: 0.000+/-0.000 χ^2/NDF: 29266563.5/110



Right In: 2445.955+/-312.920 χ^2/NDF: 16.1/28

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

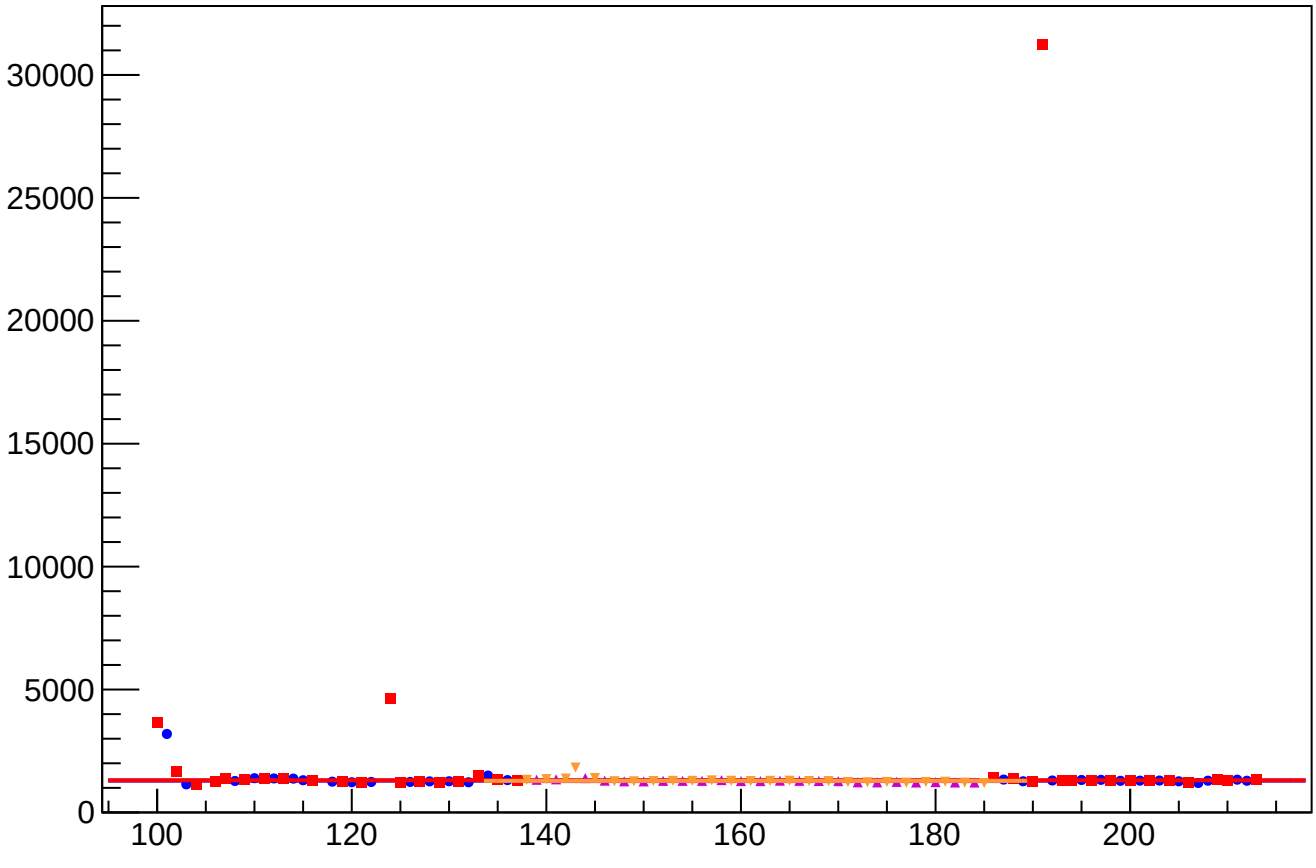
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2081.561+/-218.533 χ^2/NDF: 51.9/62

In: 2484.440+/-215.836 χ^2/NDF:38.6/51

Out: 1551.578+/-211.321 χ^2/NDF:66.7/58

All: 2008.151+/-150.998 χ^2/NDF: 114.8/110



Right In: 1296.075+/-0.221 χ^2/NDF: 533551.7/28

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

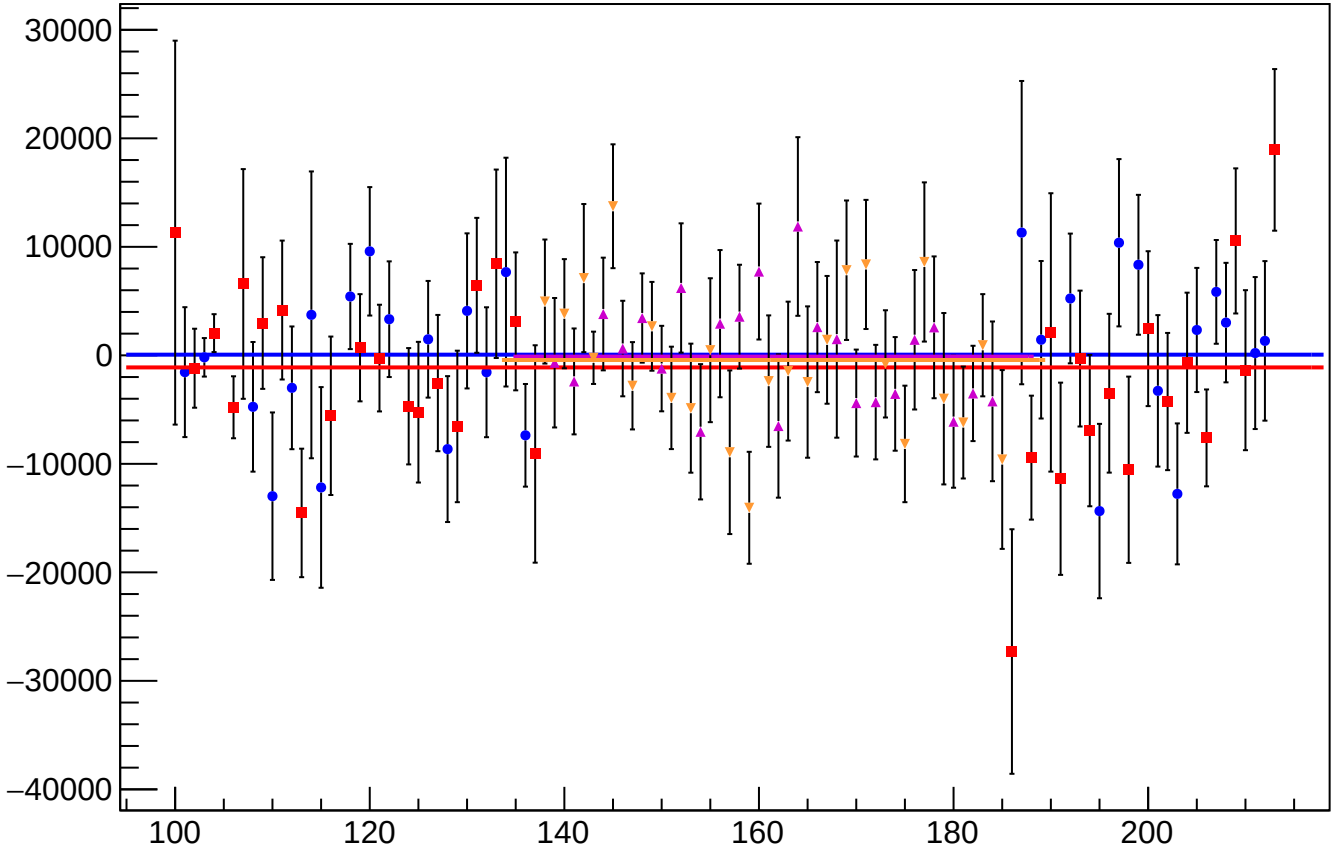
Right: 1302.354+/-0.154 χ^2/NDF: 1041303.2/62

In: 1285.520+/-0.153 χ^2/NDF:579291.7/51

Out: 1296.520+/-0.149 χ^2/NDF:702958.9/58

All: 1291.139+/-0.107 χ^2/NDF: 1284904.5/11

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 61.903+/-999.193 χ^2/NDF: 29.2/28

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

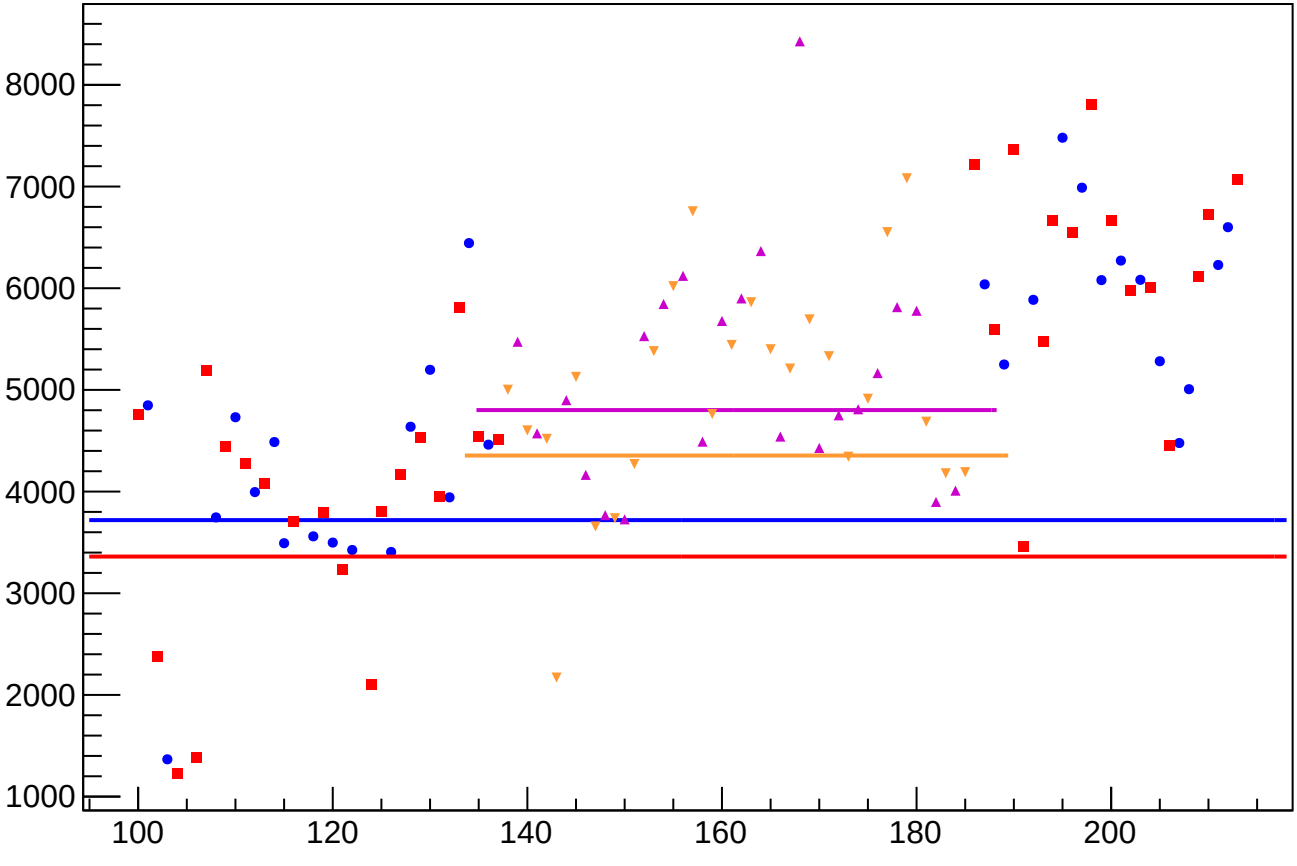
Right: -581.069+/-672.292 χ^2/NDF: 71.8/62

In: -16.472+/-752.756 χ^2/NDF:42.8/51

Out: -815.973+/-683.755 χ^2/NDF:72.0/58

All: -454.537+/-506.128 χ^2/NDF: 115.4/110

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3719.217+/-0.707 χ^2/NDF: 6833982.9/28

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

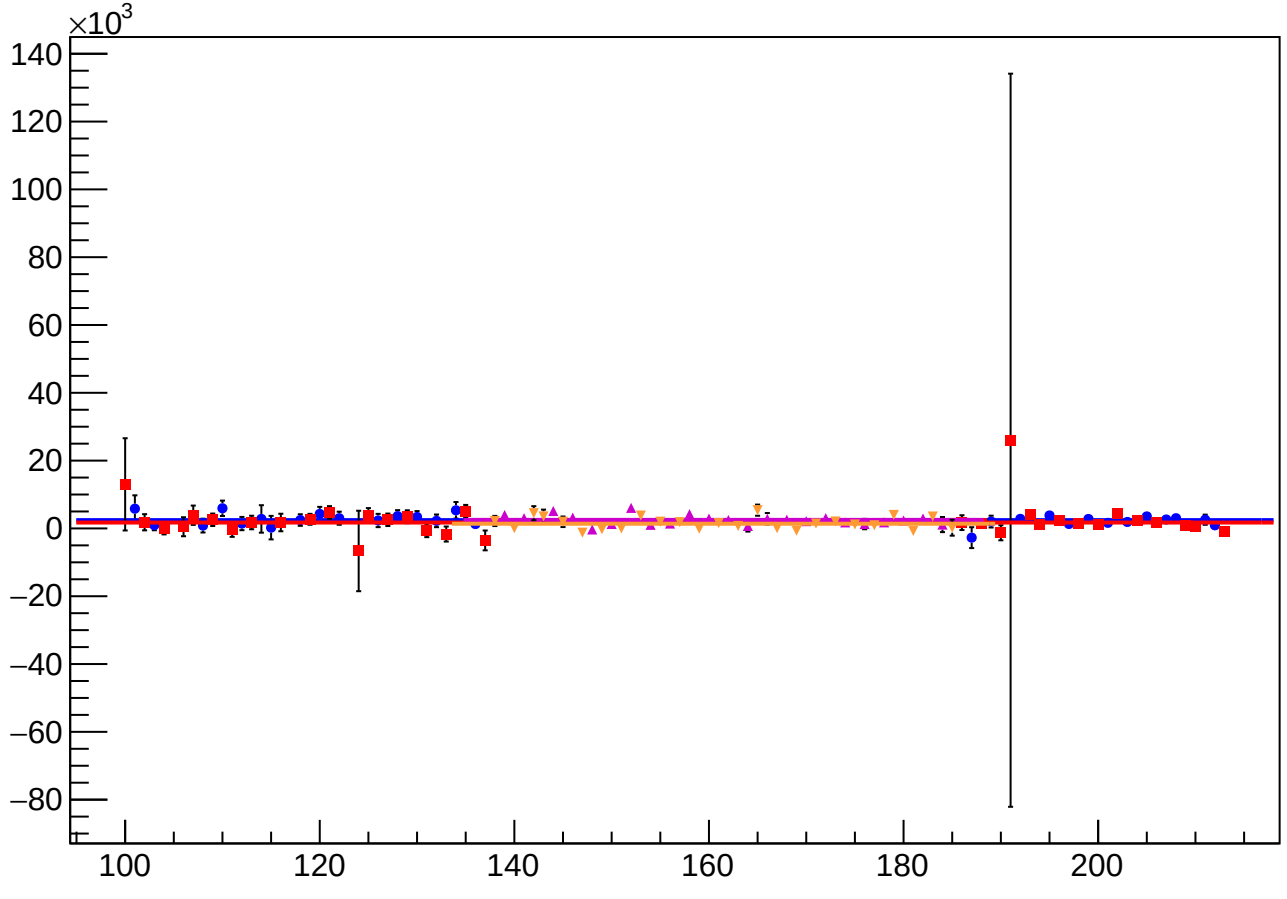
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3523.122+/-0.475 χ^2/NDF: 16577380.2/62

In: 4187.274+/-0.532 χ^2/NDF:9080712.4/51

Out: 3792.028+/-0.483 χ^2/NDF:13711470.1/58

All: 3970.710+/-0.358 χ^2/NDF: 23094299.8/1



Right In: 2445.880+/-312.920 χ^2/NDF: 16.1/28

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

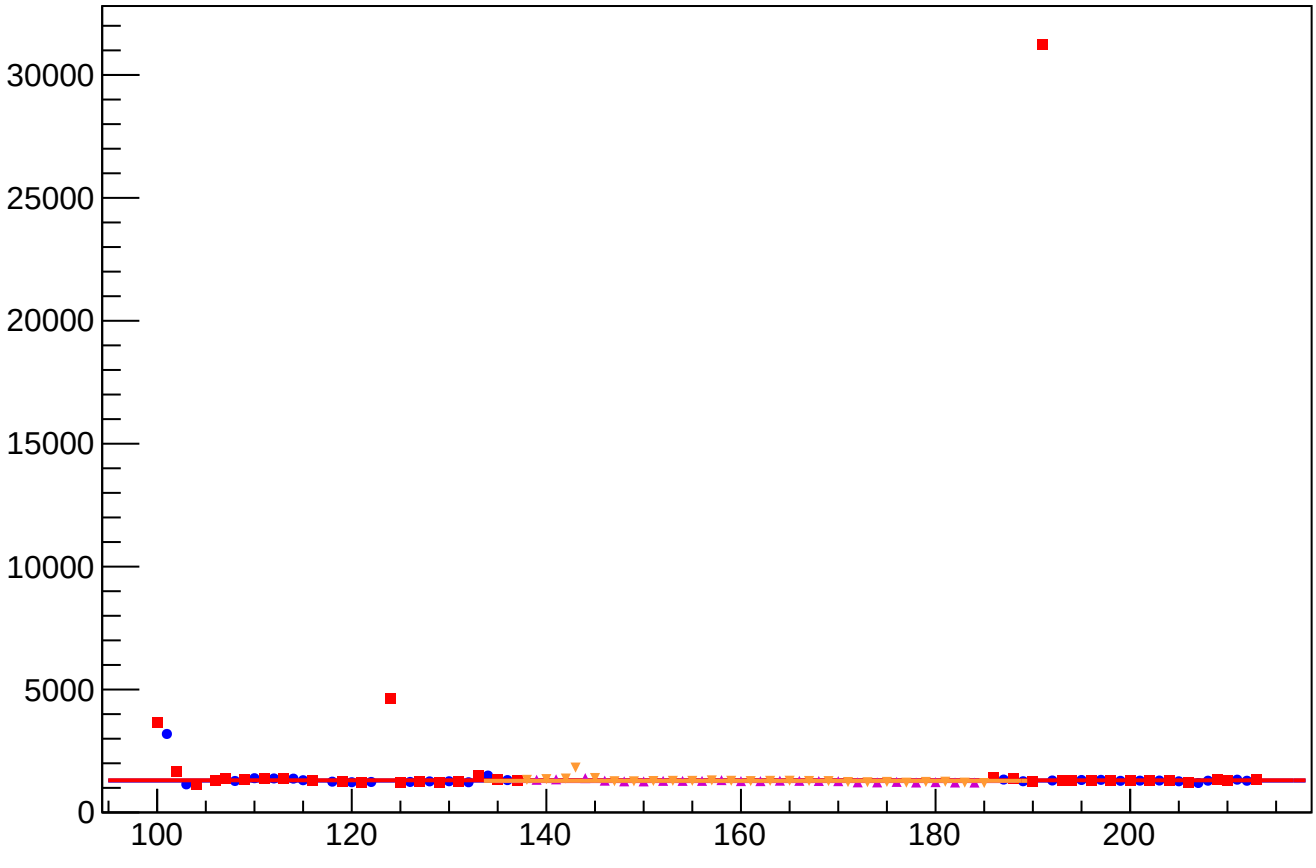
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2081.488+/-218.533 χ^2/NDF: 51.8/62

In: 2484.405+/-215.836 χ^2/NDF:38.6/51

Out: 1551.510+/-211.321 χ^2/NDF:66.7/58

All: 2008.099+/-150.998 χ^2/NDF: 114.8/110



Right In: 1296.075+/-0.221 χ^2/NDF: 533553.2/28

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

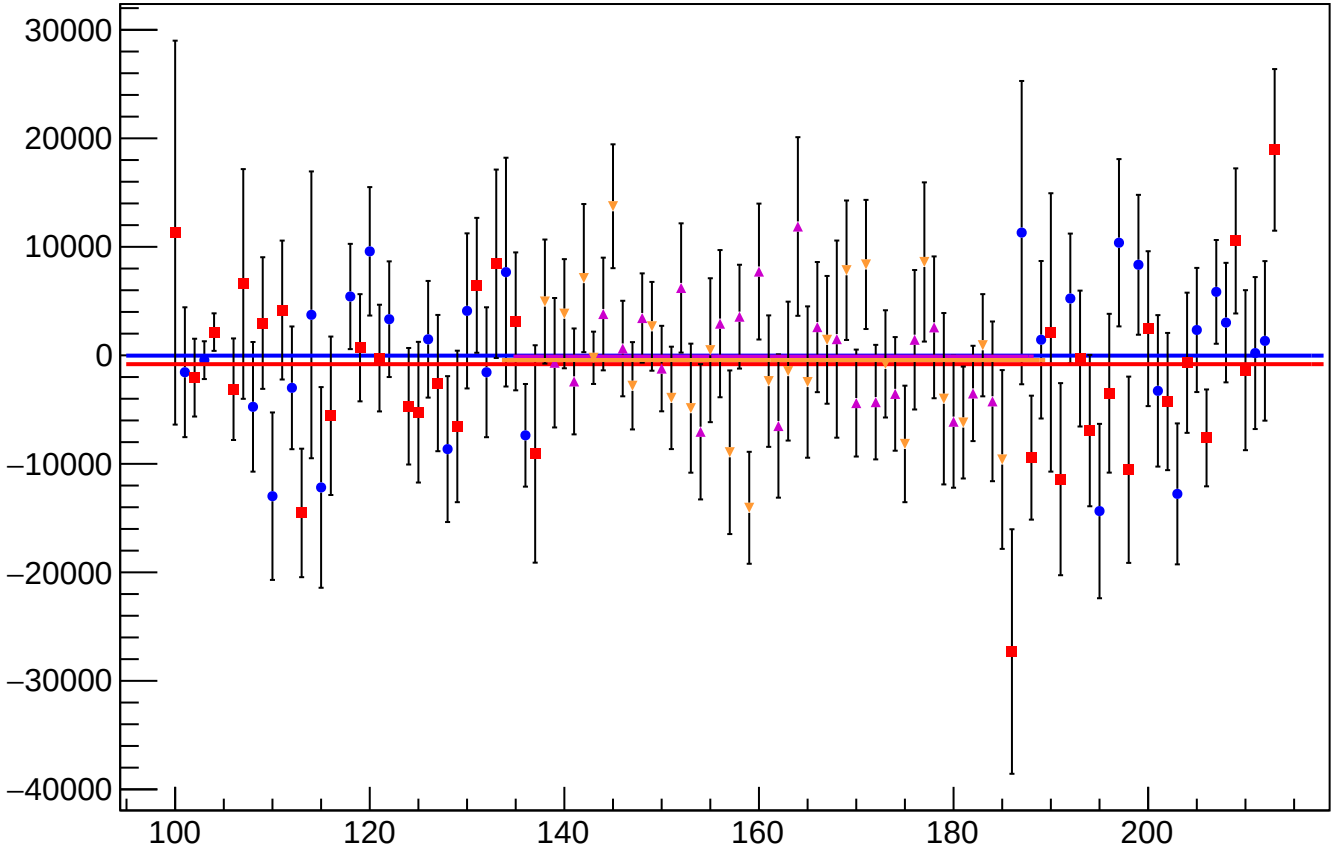
Right: 1302.571+/-0.154 χ^2/NDF: 1041070.3/62

In: 1285.520+/-0.153 χ^2/NDF:579293.1/51

Out: 1296.721+/-0.149 χ^2/NDF:702830.2/58

All: 1291.241+/-0.107 χ^2/NDF: 1284874.7/11

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -26.005+/-993.040 χ^2/NDF: 29.3/28

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

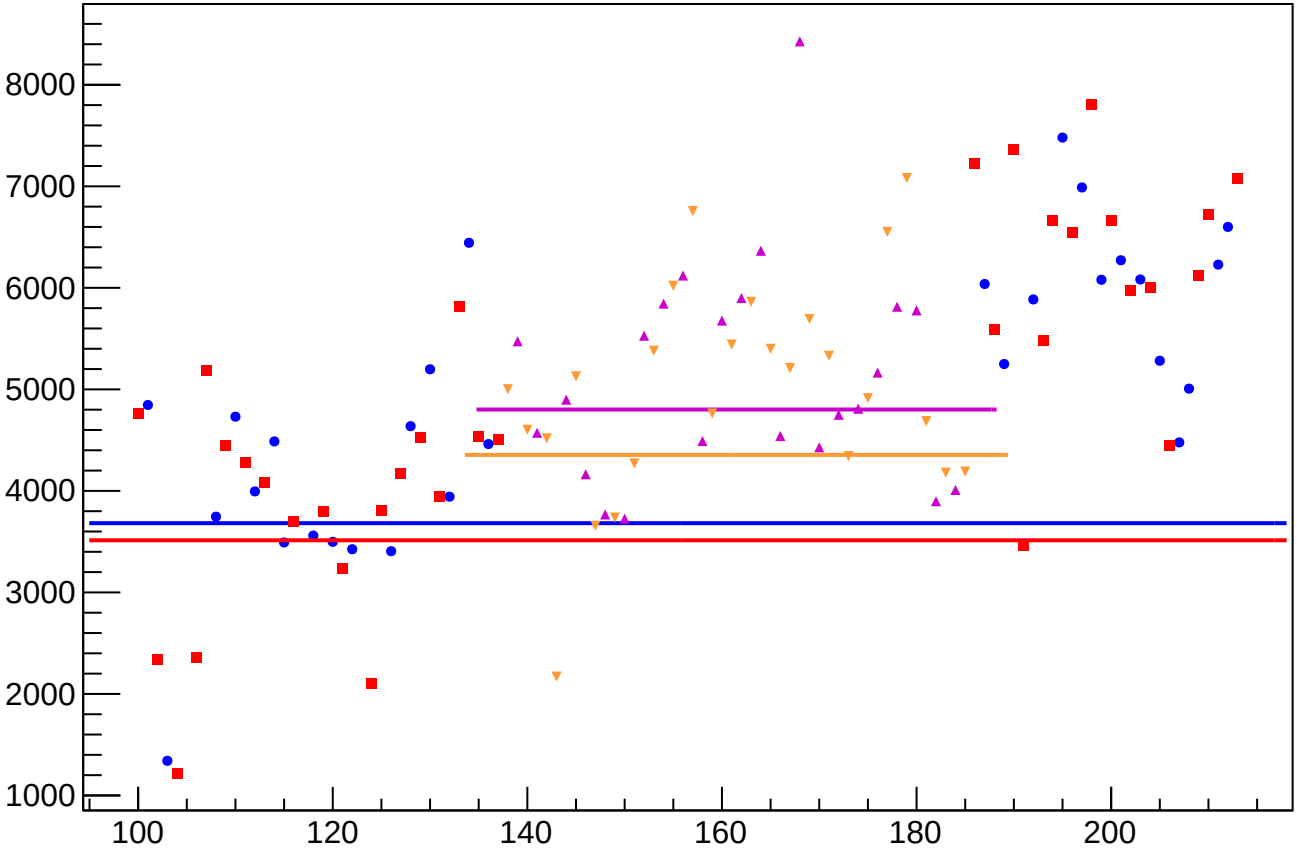
Right: -443.186+/-680.980 χ^2/NDF: 70.3/62

In: -66.070+/-750.114 χ^2/NDF:42.9/51

Out: -640.946+/-694.981 χ^2/NDF:70.6/58

All: -375.409+/-509.804 χ^2/NDF: 113.7/110

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3682.136+/-0.702 χ^2/NDF: 7047413.8/28

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

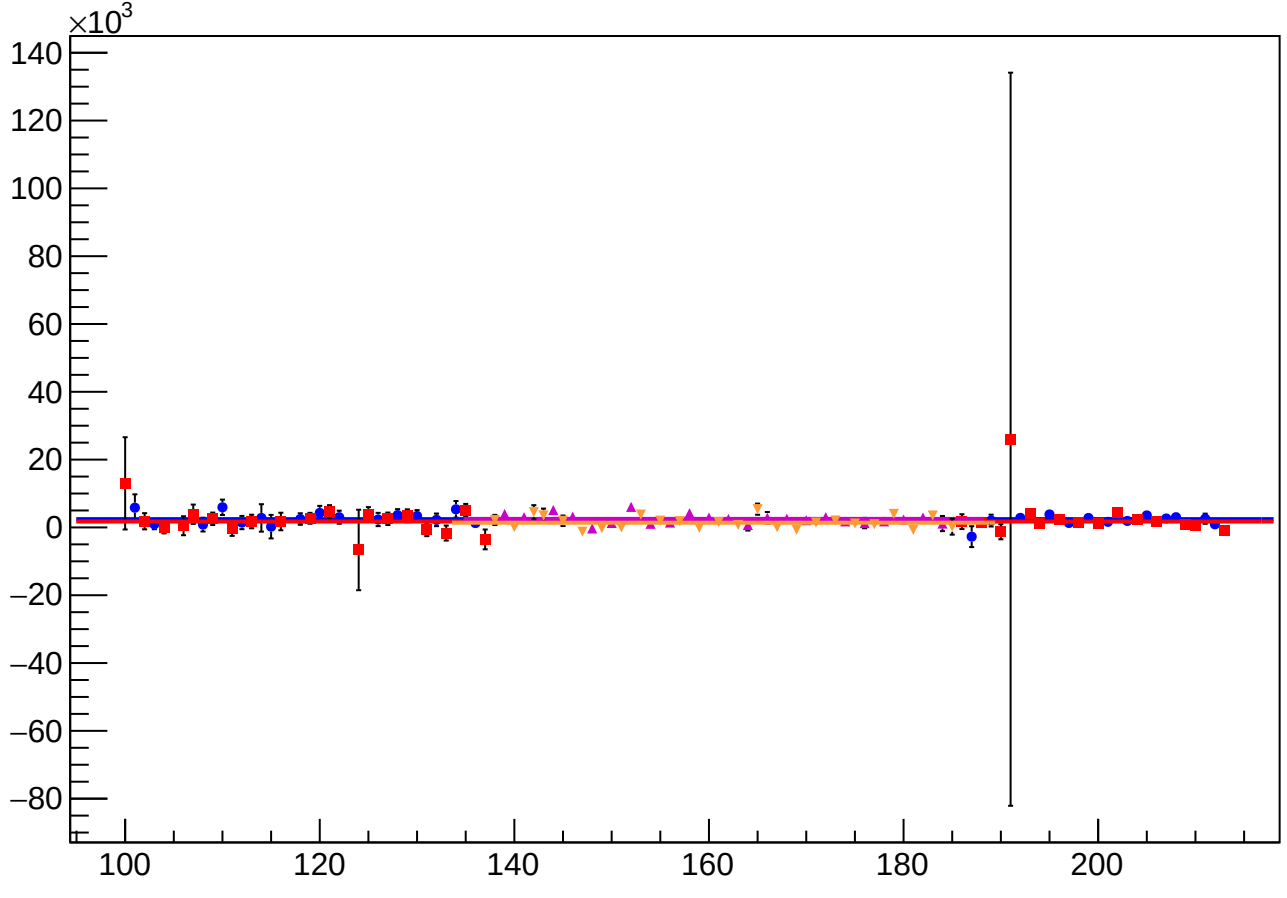
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3592.718+/-0.482 χ^2/NDF: 15868789.8/62

In: 4162.836+/-0.530 χ^2/NDF:9370672.8/51

Out: 3890.396+/-0.491 χ^2/NDF:12586921.2/58

All: 4016.236+/-0.360 χ^2/NDF: 22099557.6/



Right In: 2445.880+/-312.920 χ^2/NDF: 16.1/28

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

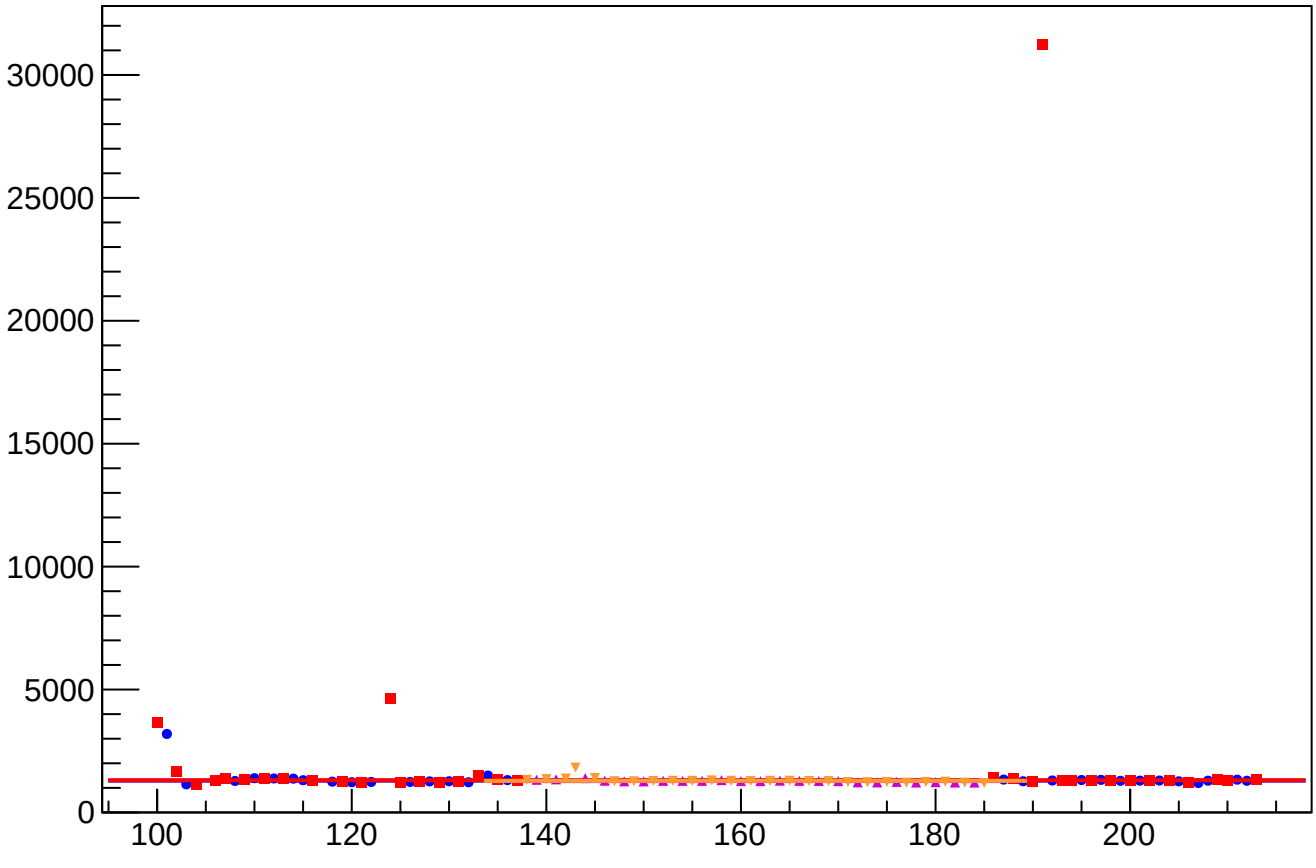
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2081.488+/-218.533 χ^2/NDF: 51.8/62

In: 2484.405+/-215.836 χ^2/NDF:38.6/51

Out: 1551.510+/-211.321 χ^2/NDF:66.7/58

All: 2008.099+/-150.998 χ^2/NDF: 114.8/110



Right In: 1296.075+/-0.221 χ^2/NDF: 533553.2/28

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

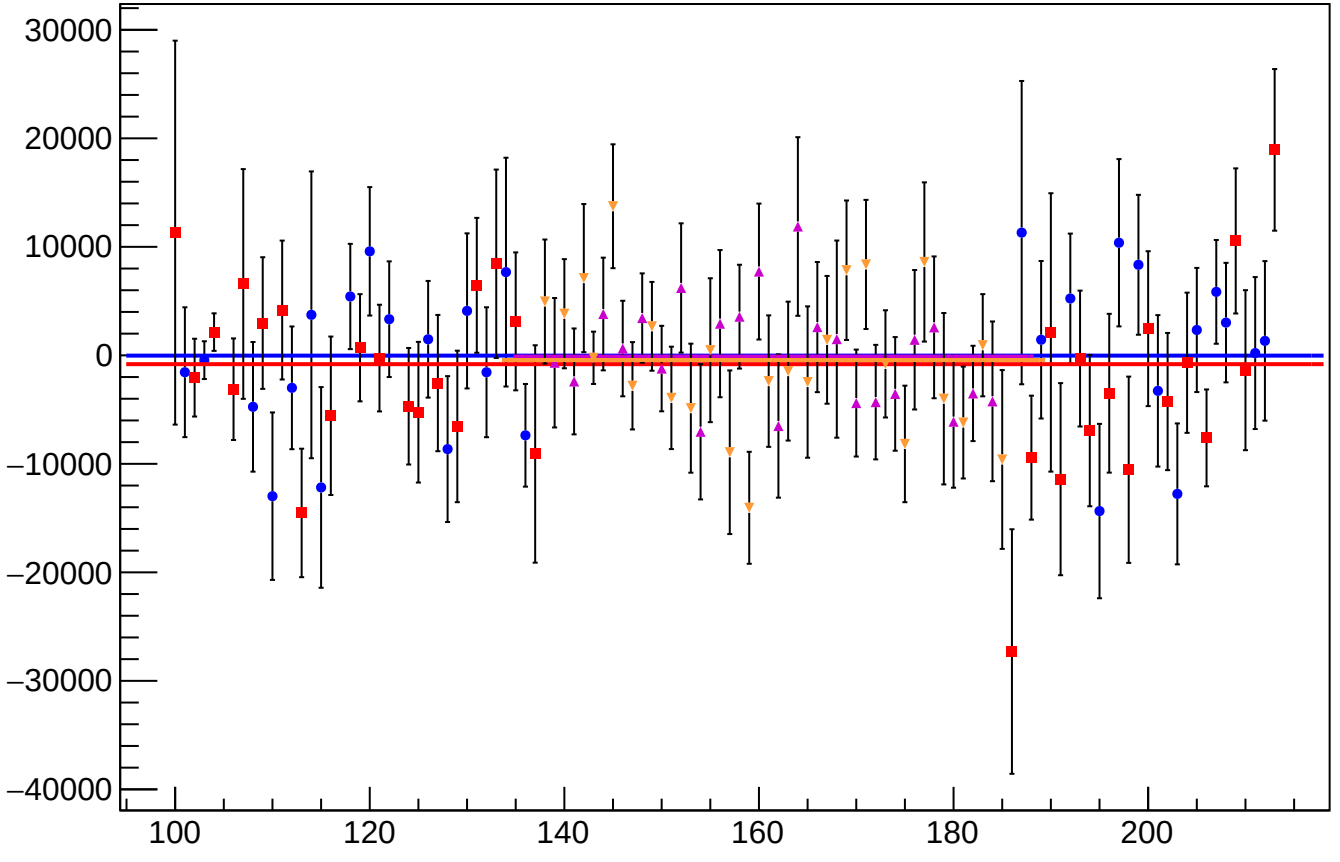
Right: 1302.571+/-0.154 χ^2/NDF: 1041070.3/62

In: 1285.520+/-0.153 χ^2/NDF:579293.1/51

Out: 1296.721+/-0.149 χ^2/NDF:702830.2/58

All: 1291.241+/-0.107 χ^2/NDF: 1284874.7/11

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -26.005+/-993.040 χ^2/NDF: 29.3/28

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

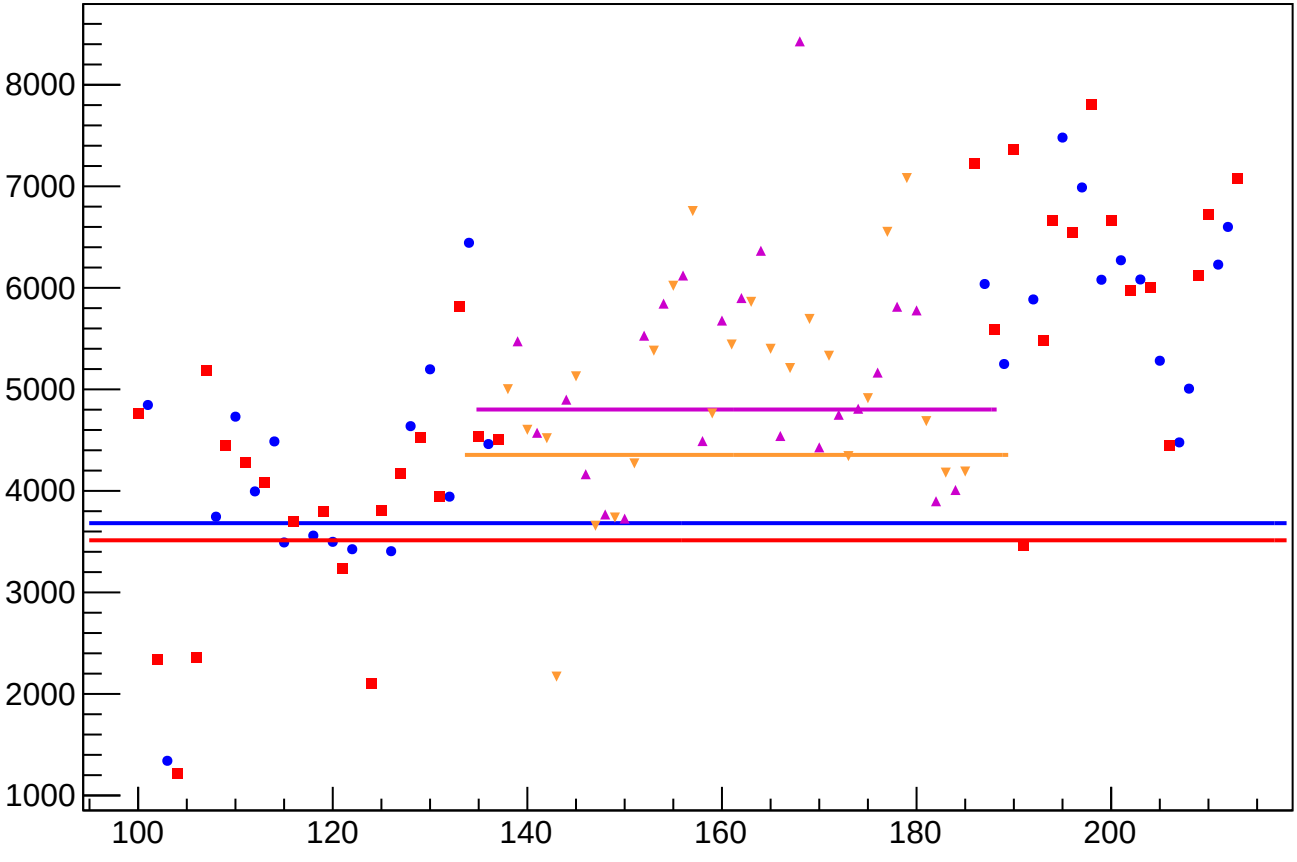
Right: -443.186+/-680.980 χ^2/NDF: 70.3/62

In: -66.070+/-750.114 χ^2/NDF:42.9/51

Out: -640.946+/-694.981 χ^2/NDF:70.6/58

All: -375.409+/-509.804 χ^2/NDF: 113.7/110

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3682.136+/-0.702 χ^2/NDF: 7047413.8/28

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

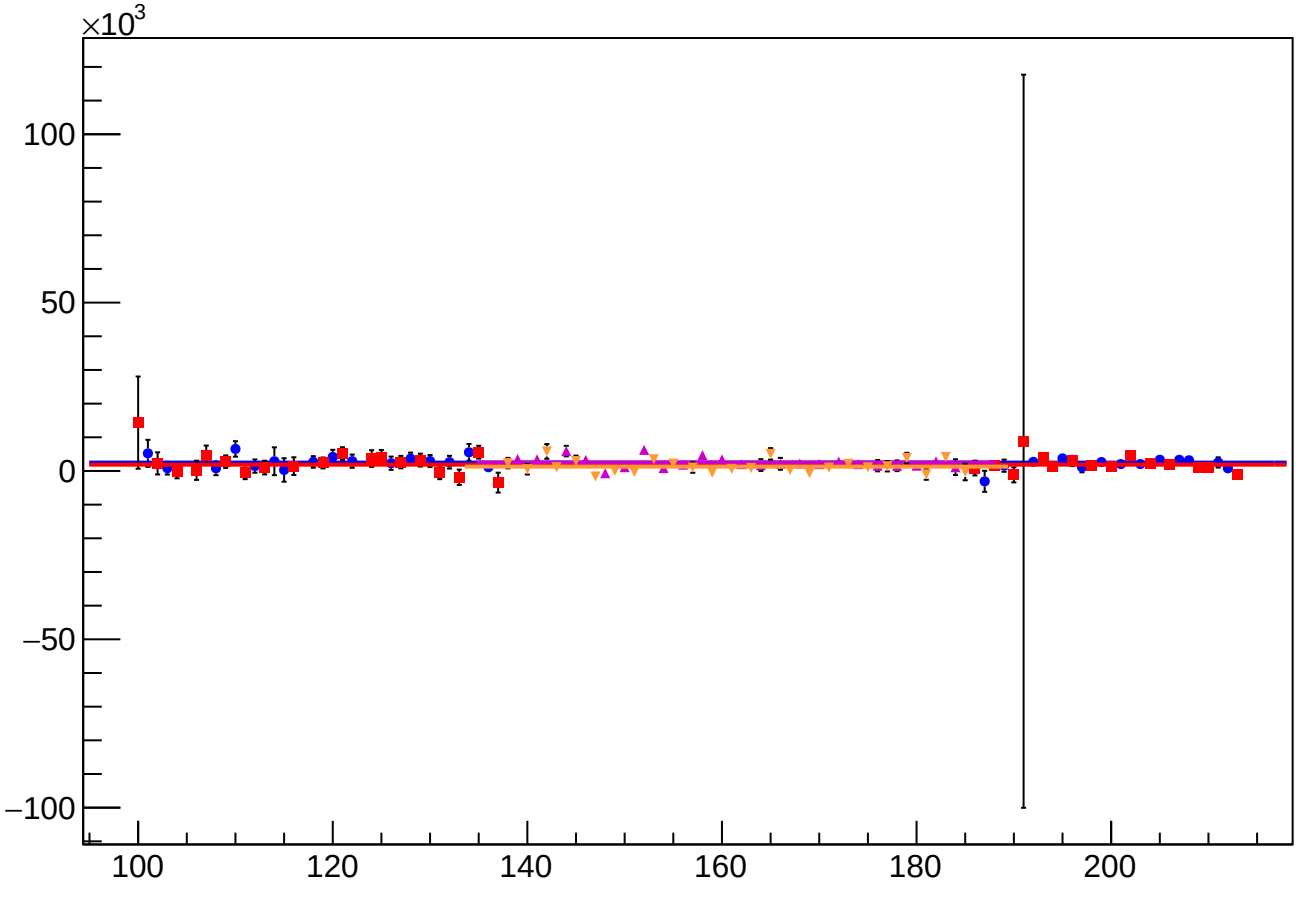
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3592.718+/-0.482 χ^2/NDF: 15868789.8/62

In: 4162.836+/-0.530 χ^2/NDF:9370672.8/51

Out: 3890.396+/-0.491 χ^2/NDF:12586921.2/58

All: 4016.236+/-0.360 χ^2/NDF: 22099557.6/



Right In: 2482.852+/-321.096 χ^2/NDF: 16.9/28

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

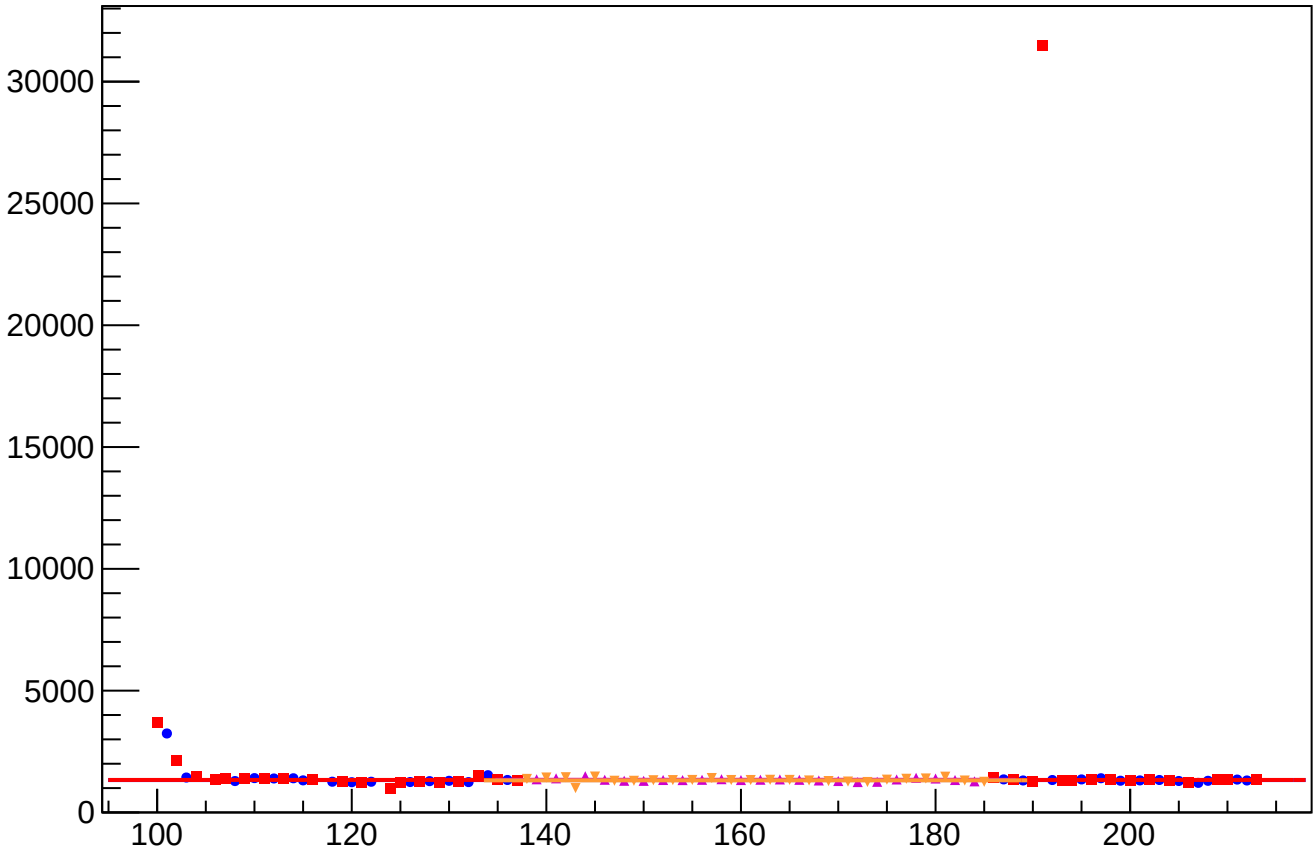
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2166.850+/-223.679 χ^2/NDF: 53.5/62

In: 2507.955+/-224.090 χ^2/NDF:42.0/51

Out: 1565.953+/-216.371 χ^2/NDF:69.9/58

All: 2020.450+/-155.655 χ^2/NDF: 121.0/110



Right In: 1329.732+/-0.227 χ^2/NDF: 522838.3/28

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

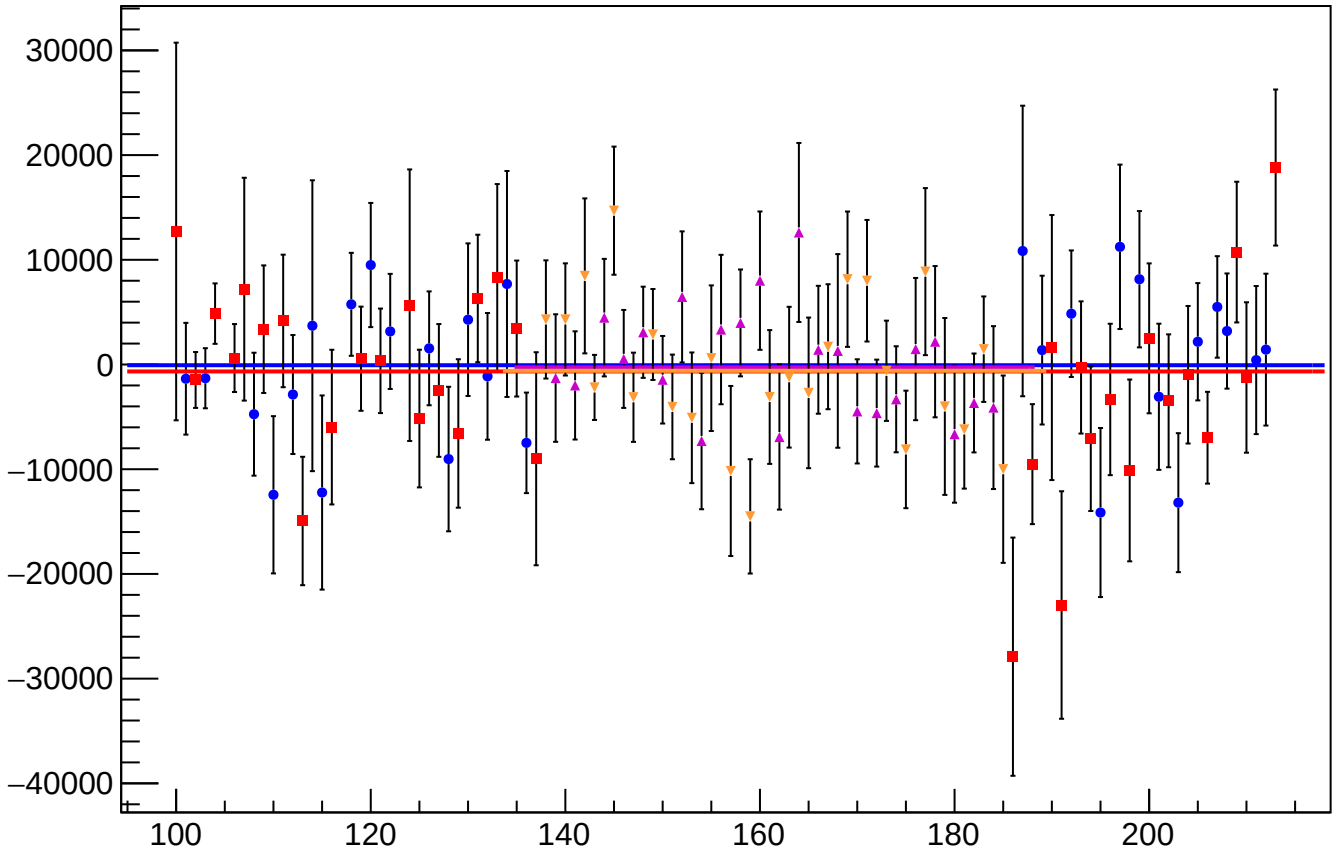
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1332.217+/-0.158 χ^2/NDF: 970856.2/62

In: 1334.282+/-0.158 χ^2/NDF:577869.7/51

Out: 1326.068+/-0.153 χ^2/NDF:699196.8/58

All: 1330.031+/-0.110 χ^2/NDF: 1278457.4/11



Right In: -67.749+/-1115.067 χ^2/NDF: 29.0/28

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -661.767+/-998.959 χ^2/NDF: 43.7/33

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

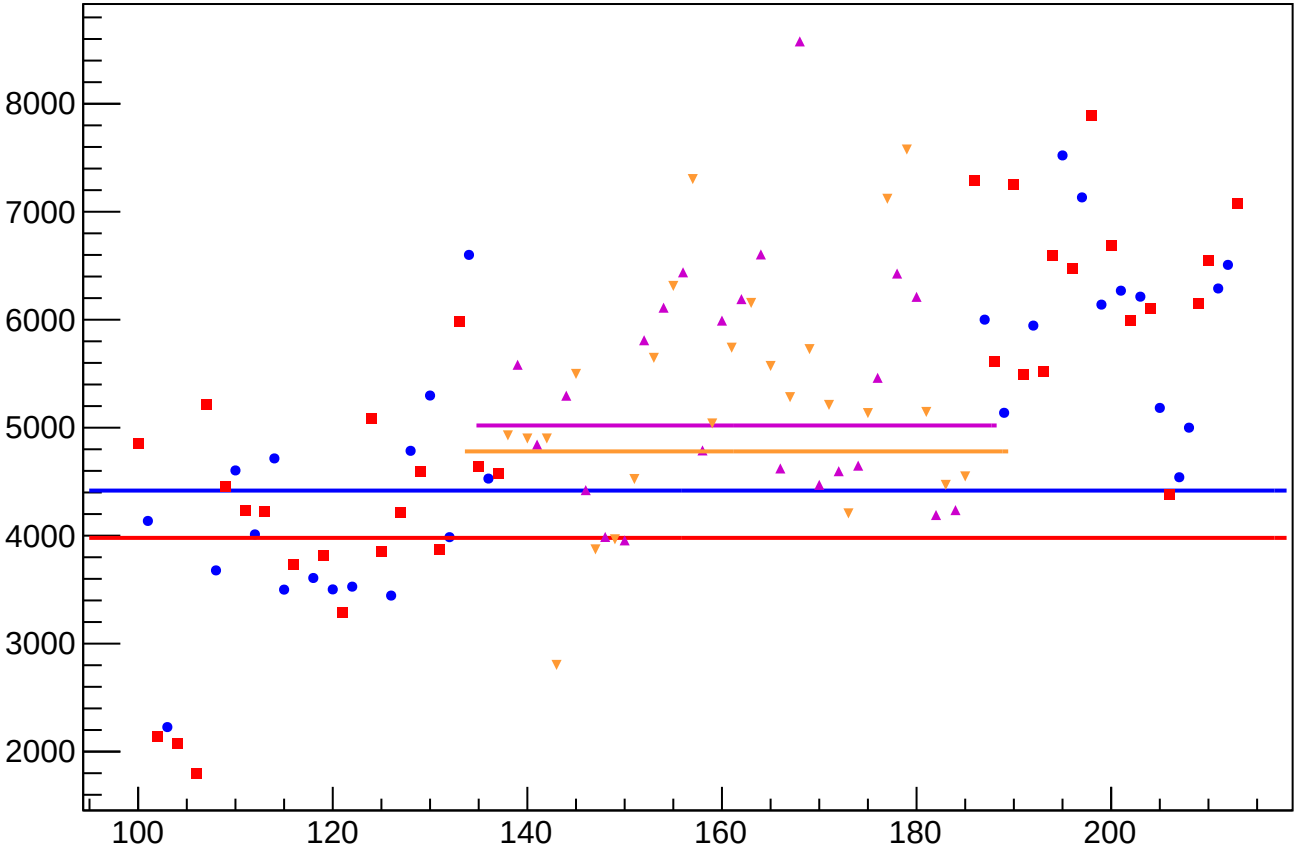
Right: -397.285+/-744.045 χ^2/NDF: 72.9/62

In: -163.087+/-815.839 χ^2/NDF:42.5/51

Out: -632.215+/-746.178 χ^2/NDF:73.2/58

All: -418.531+/-550.611 χ^2/NDF: 115.9/110

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4417.557+/-0.788 χ^2/NDF: 3084989.0/28

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

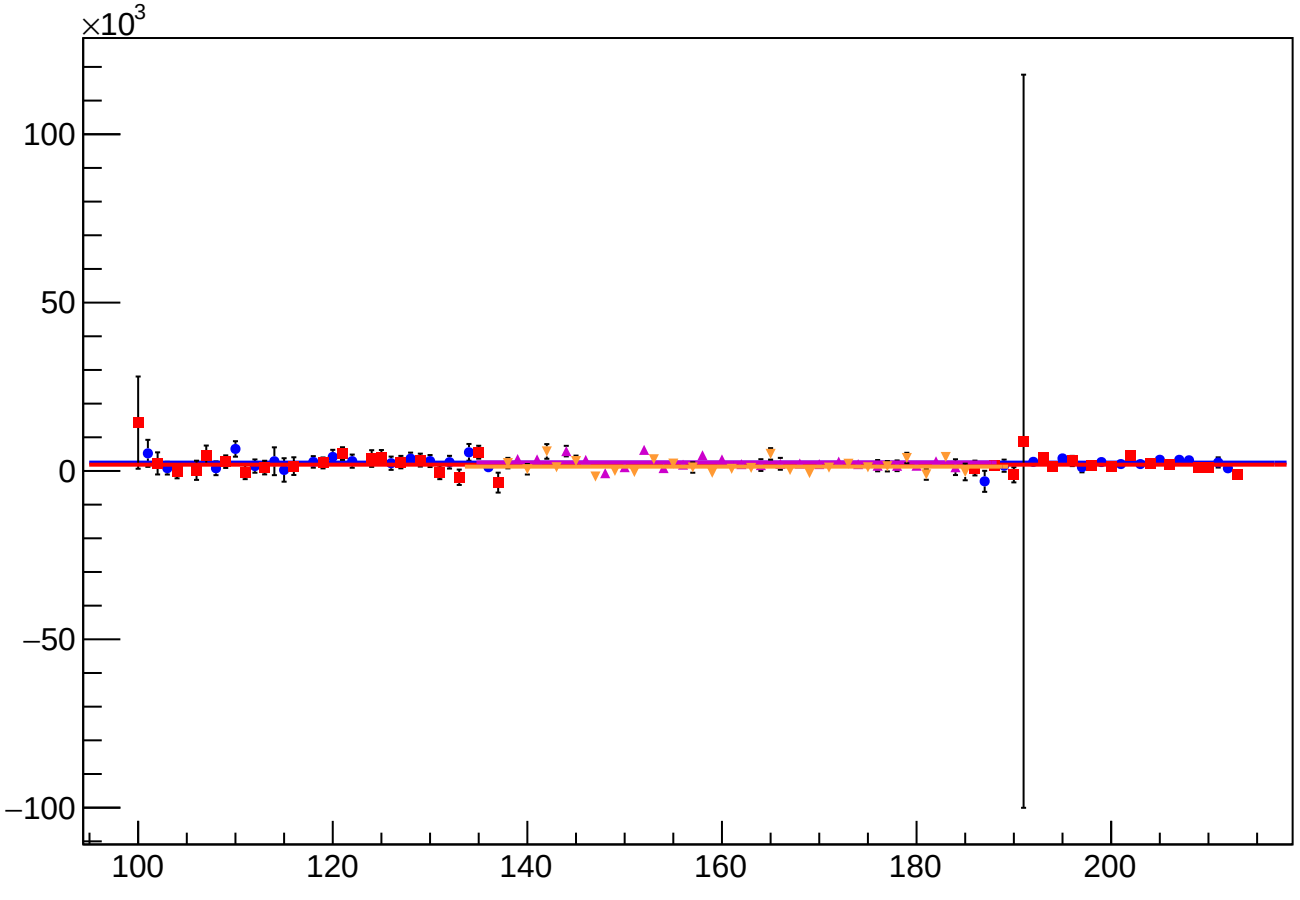
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 4174.498+/-0.526 χ^2/NDF: 9317248.0/62

In: 4697.766+/-0.577 χ^2/NDF:4581868.0/51

Out: 4333.497+/-0.528 χ^2/NDF:8635602.3/58

All: 4499.419+/-0.389 χ^2/NDF: 13434574.5/1



Right In: 2482.849+/-321.096 χ^2/NDF: 16.9/28

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

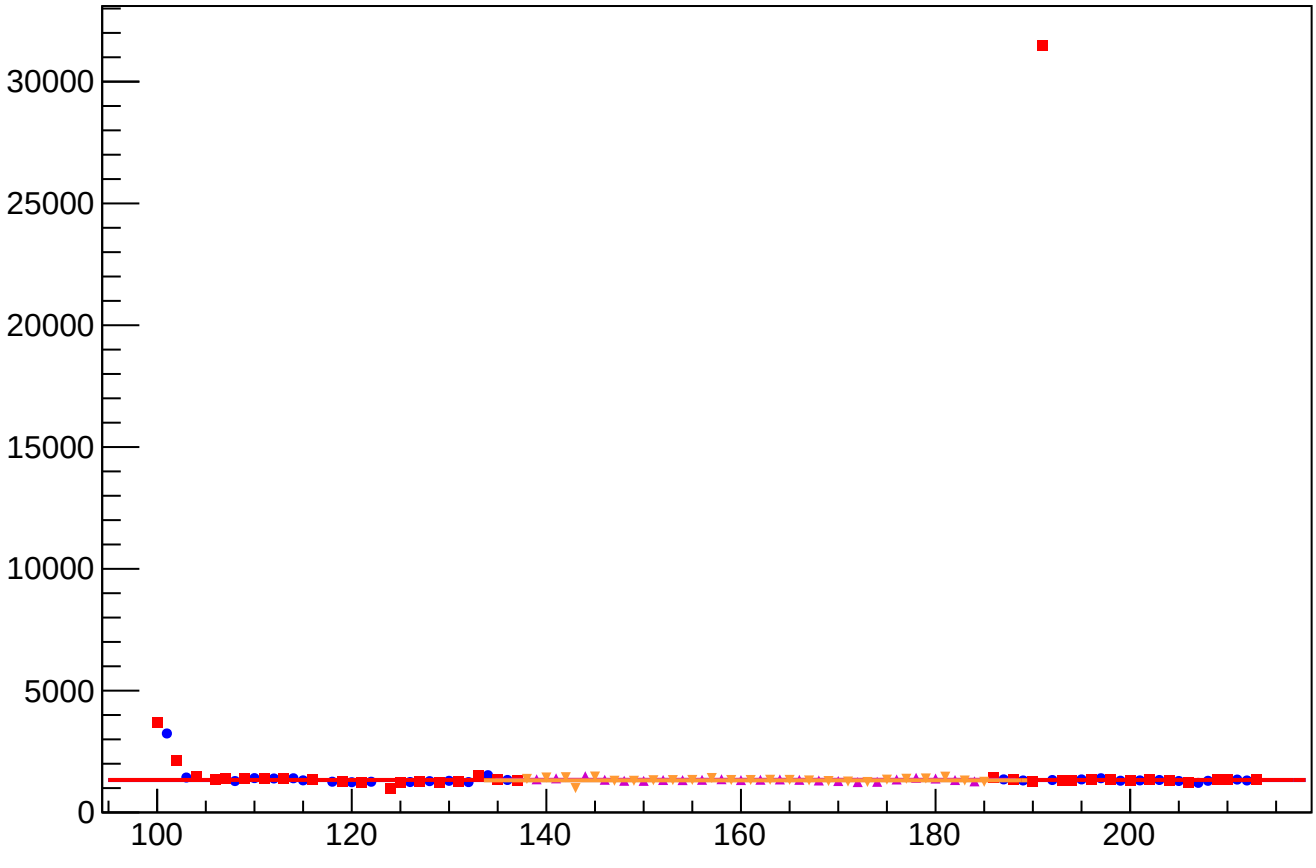
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2166.848+/-223.679 χ^2/NDF: 53.5/62

In: 2507.954+/-224.090 χ^2/NDF:42.0/51

Out: 1565.949+/-216.371 χ^2/NDF:69.9/58

All: 2020.448+/-155.655 χ^2/NDF: 121.0/110



Right In: 1329.732+/-0.227 χ^2/NDF: 522838.5/28

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

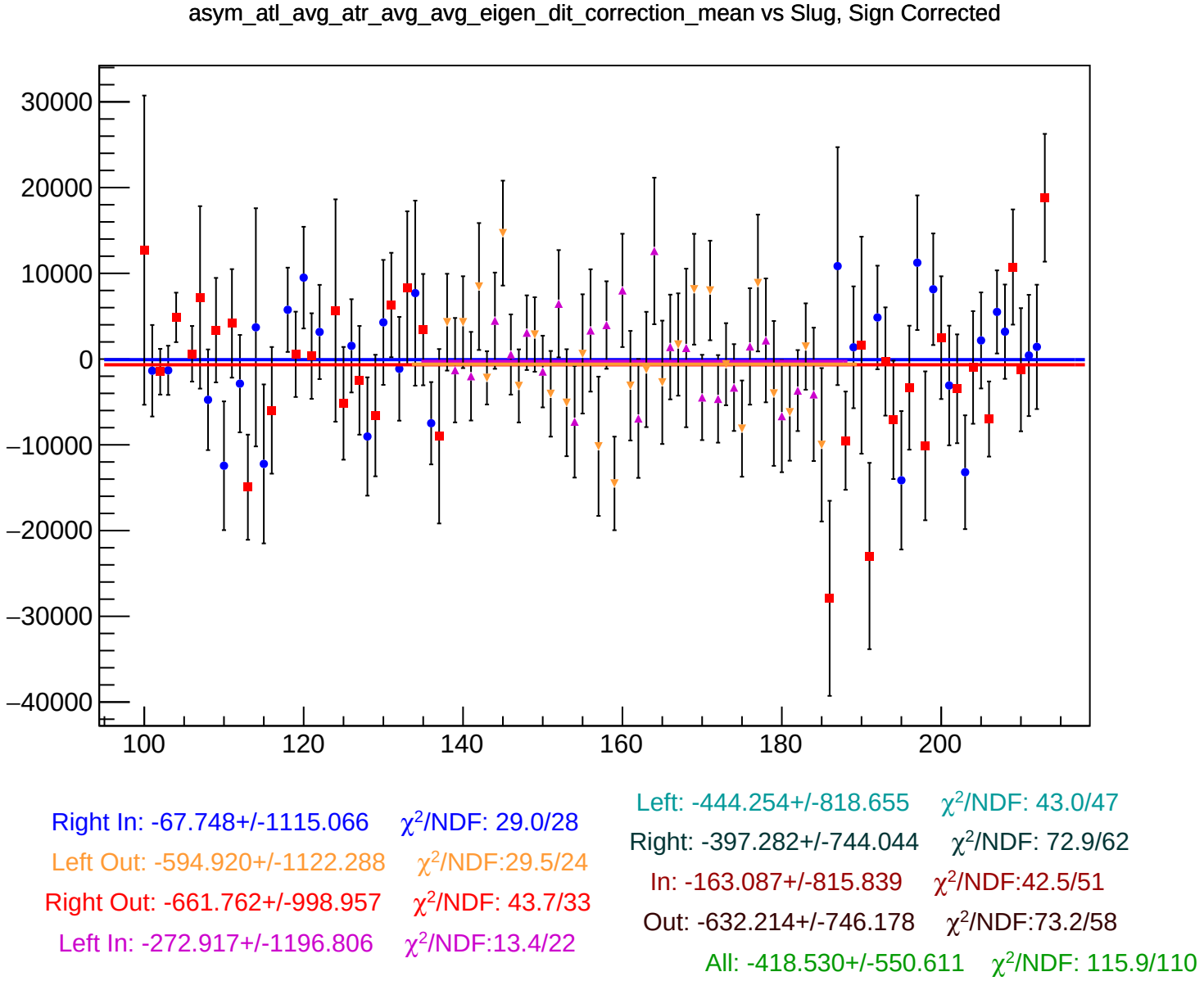
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

Right: 1332.217+/-0.158 χ^2/NDF: 970855.4/62

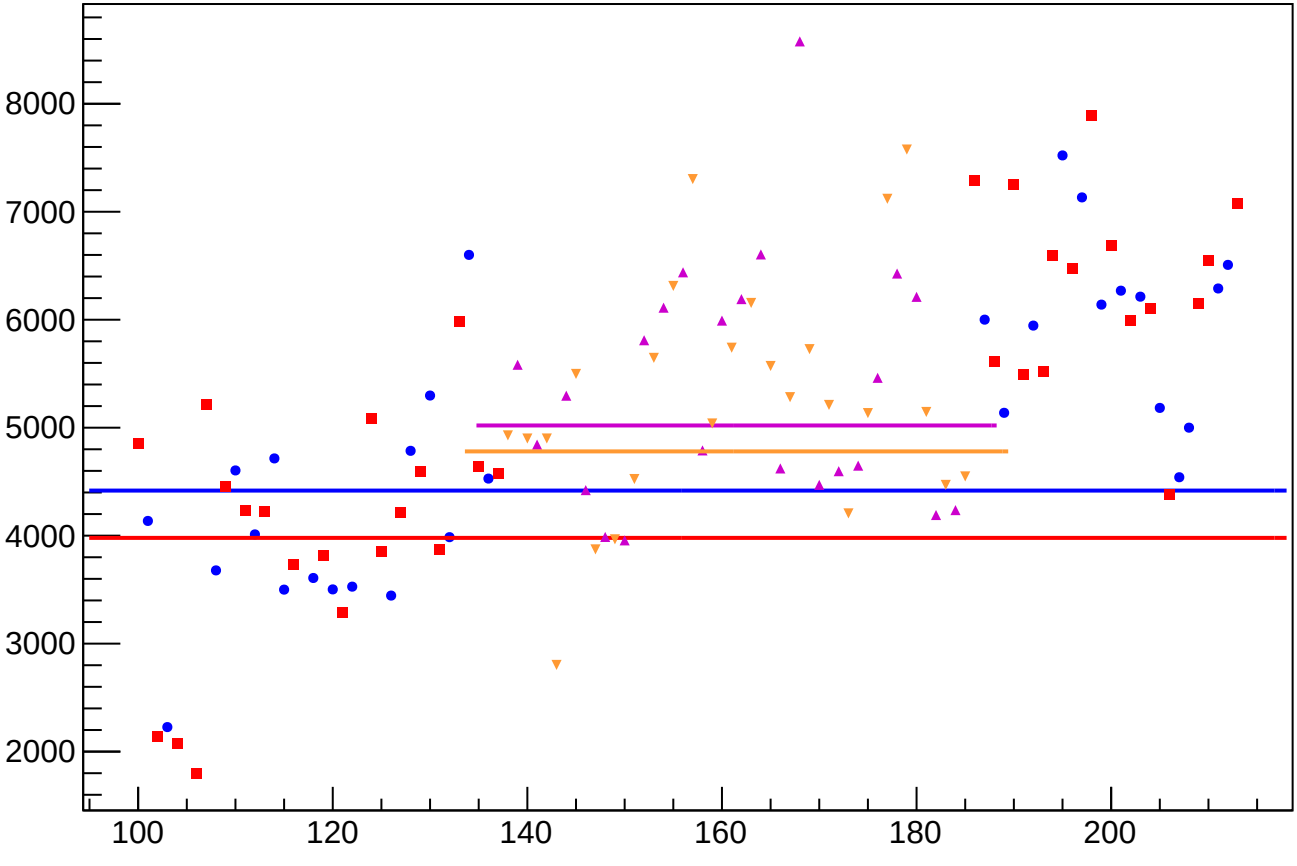
In: 1334.283+/-0.158 χ^2/NDF:577872.7/51

Out: 1326.068+/-0.153 χ^2/NDF:699197.8/58

All: 1330.031+/-0.110 χ^2/NDF: 1278461.4/11


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: -67.748+/-1115.066 χ²/NDF: 29.0/28
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: -397.282+/-744.044 χ²/NDF: 72.9/62
In: -163.087+/-815.839 χ²/NDF:42.5/51
Out: -632.214+/-746.178 χ²/NDF:73.2/58
All: -418.530+/-550.611 χ²/NDF: 115.9/110

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4417.551+/-0.788 χ^2/NDF: 3085023.0/28

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

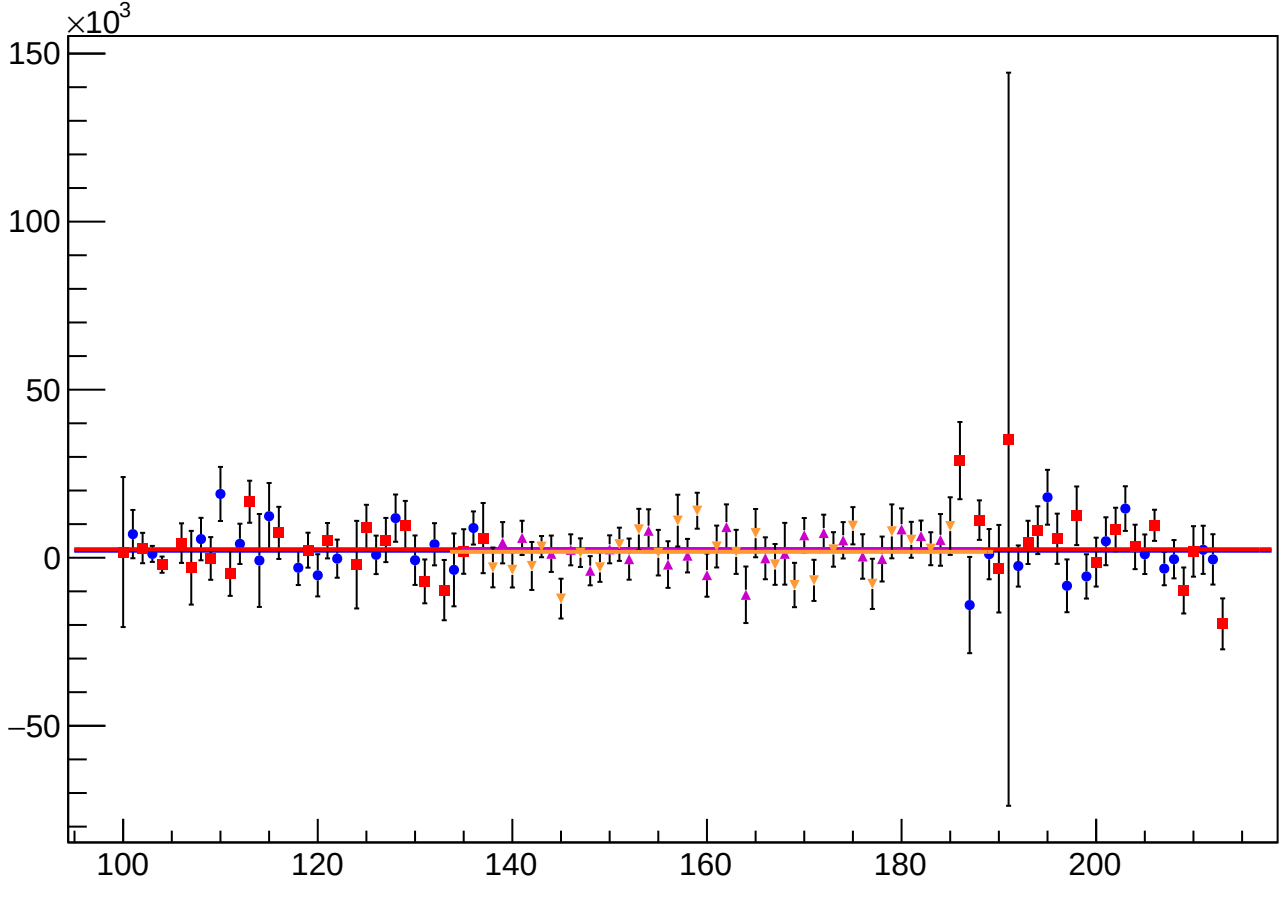
Right: 4174.491+/-0.526 χ^2/NDF: 9317327.8/62

In: 4697.765+/-0.577 χ^2/NDF:4581917.2/51

Out: 4333.495+/-0.528 χ^2/NDF:8635669.7/58

All: 4499.417+/-0.389 χ^2/NDF: 13434693.6/1

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2097.668+/-1116.793 χ^2/NDF: 27.4/28

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

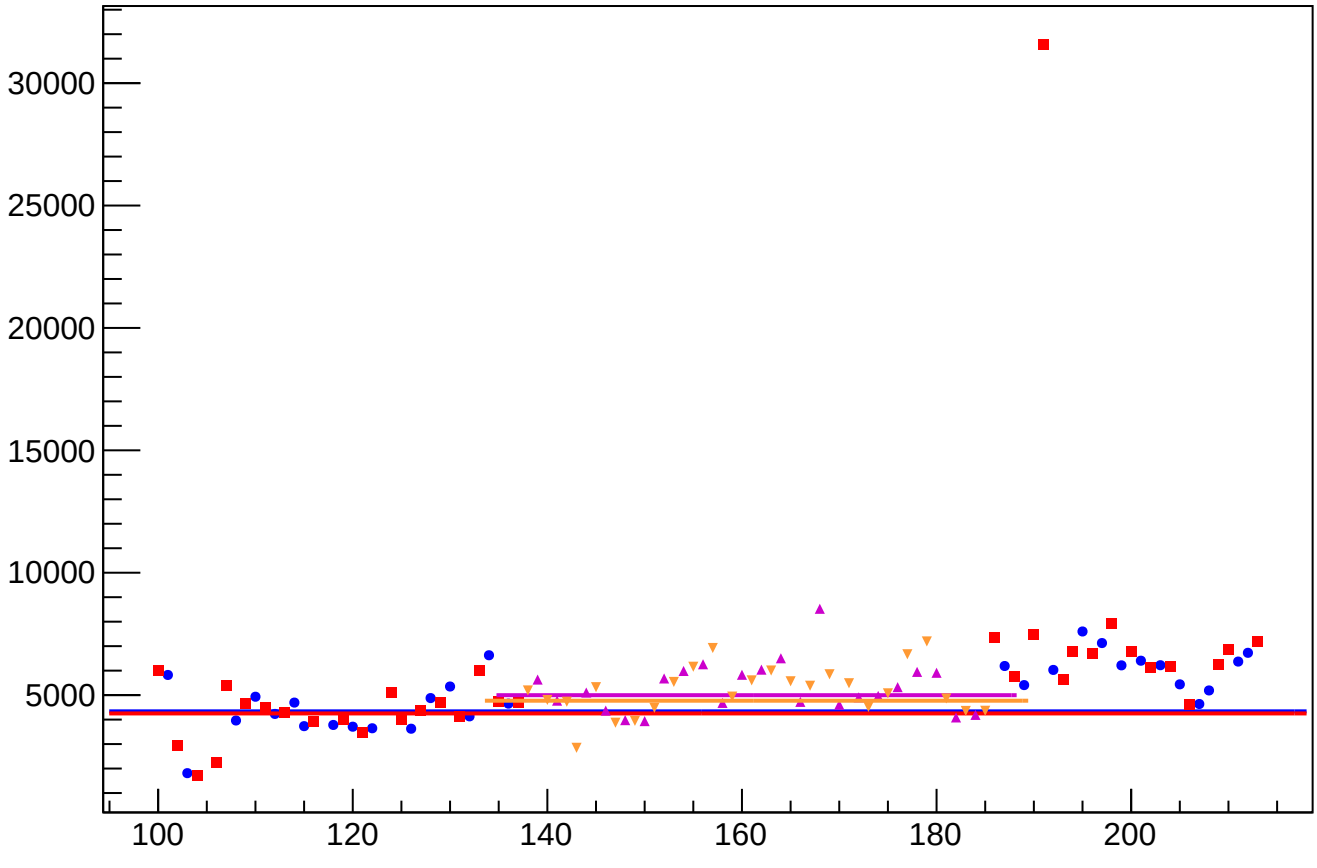
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 2322.310+/-779.105 χ^2/NDF: 70.0/62

In: 2323.837+/-813.845 χ^2/NDF:40.8/51

Out: 2158.597+/-778.914 χ^2/NDF:70.4/58

All: 2237.595+/-562.719 χ^2/NDF: 111.2/110



Right In: 4336.604+/-0.790 χ^2/NDF: 4393967.4/28

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

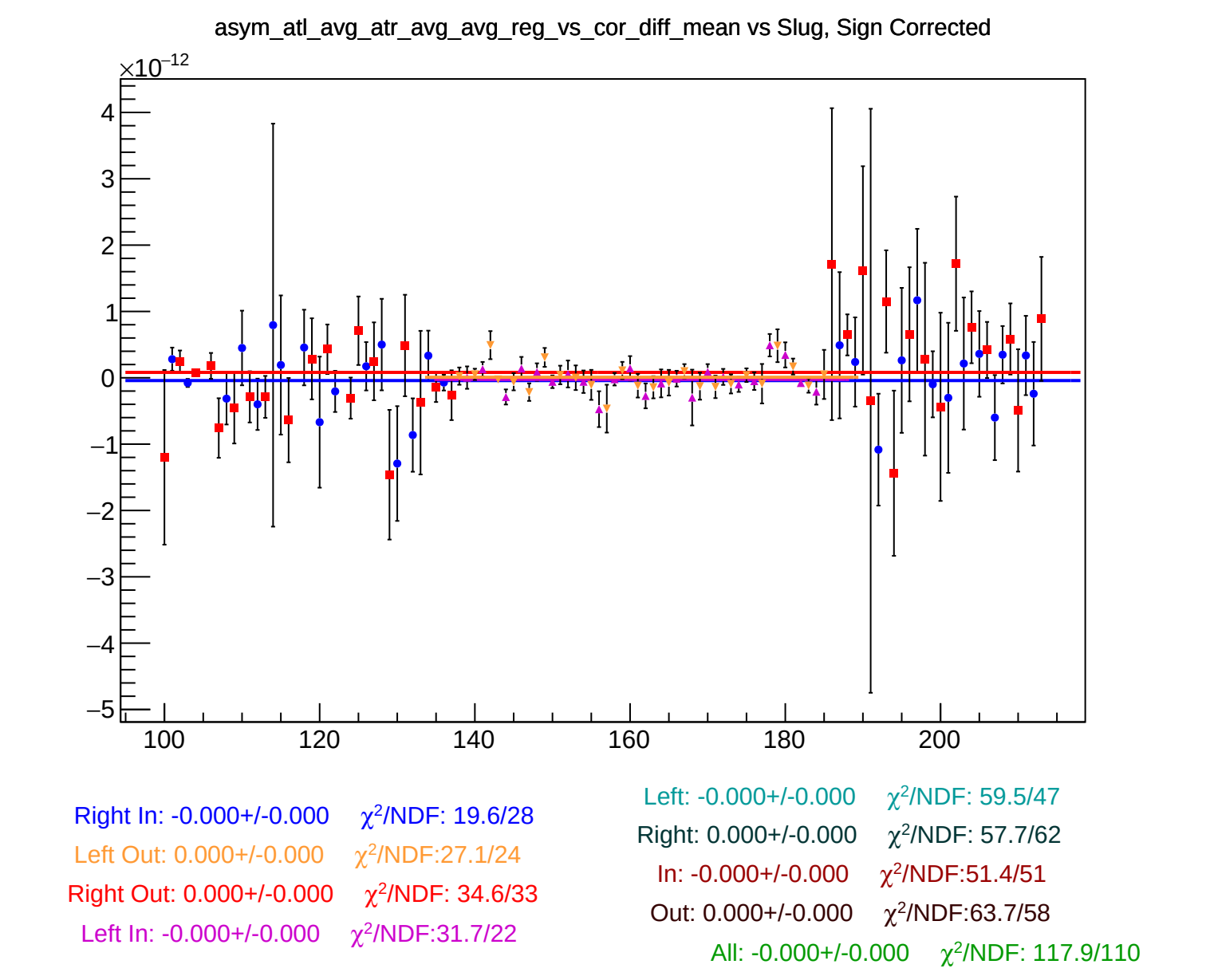
Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

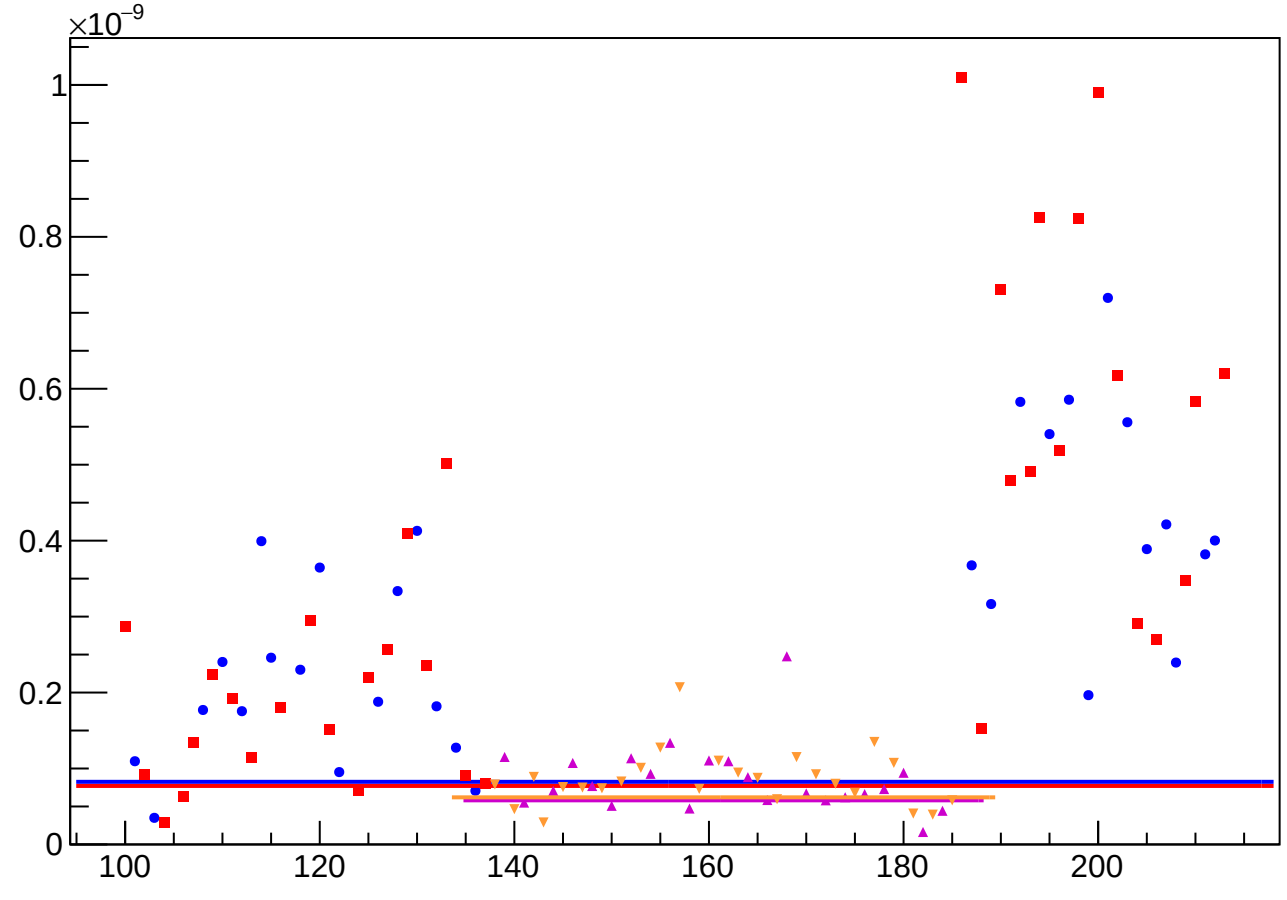
Right: 4292.354+/-0.548 χ^2/NDF: 10104352.2/62

In: 4646.161+/-0.575 χ^2/NDF:5817525.1/51

Out: 4502.000+/-0.548 χ^2/NDF:7716095.5/58

All: 4570.582+/-0.397 χ^2/NDF: 13566521.2/


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.6/28
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.6/33
Left In: -0.000+/-0.000 χ²/NDF:31.7/22
Left: -0.000+/-0.000 χ²/NDF: 59.5/47
Right: 0.000+/-0.000 χ²/NDF: 57.7/62
In: -0.000+/-0.000 χ²/NDF:51.4/51
Out: 0.000+/-0.000 χ²/NDF:63.7/58
All: -0.000+/-0.000 χ²/NDF: 117.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 8021157.5/28

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

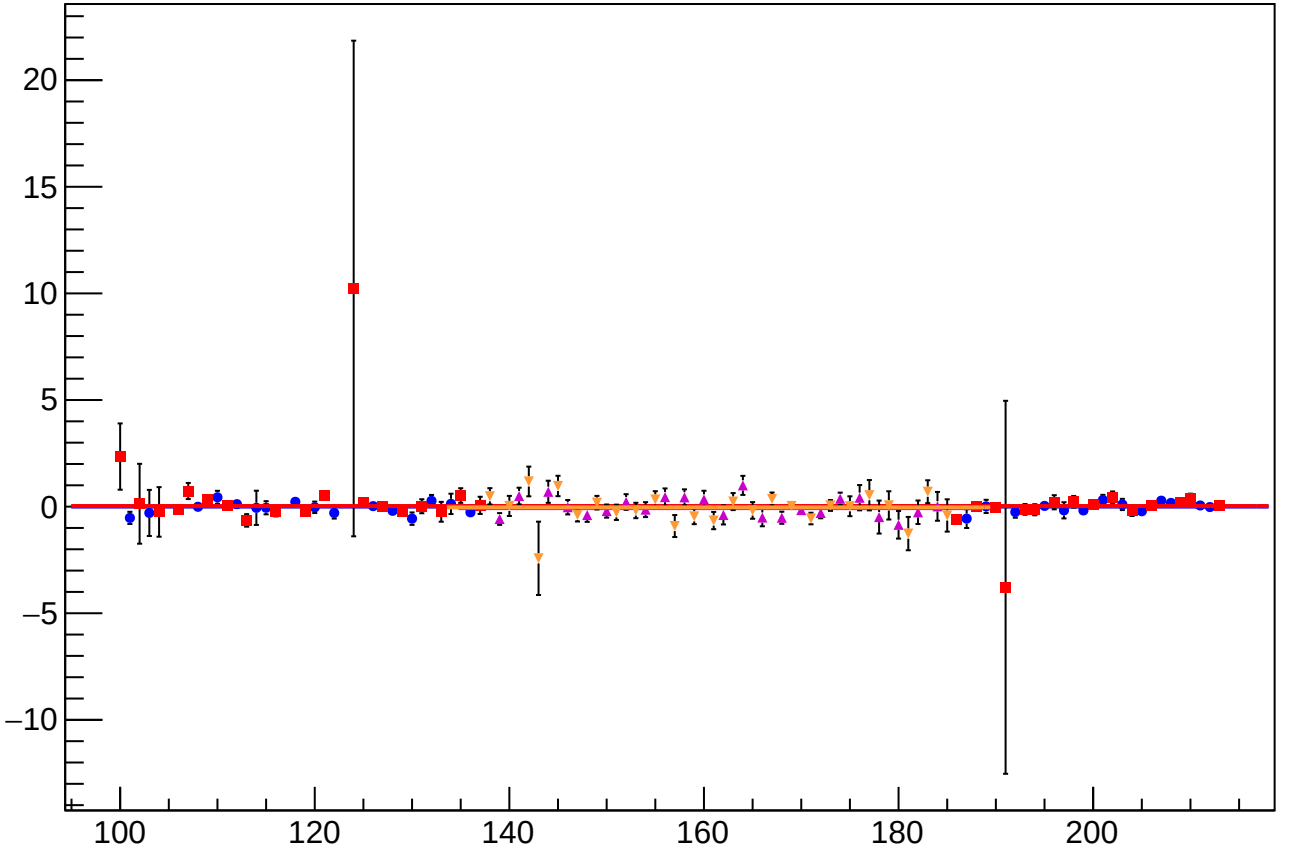
Right: 0.000+/-0.000 χ^2/NDF: 18117262.0/62

In: 0.000+/-0.000 χ^2/NDF:11396457.3/51

Out: 0.000+/-0.000 χ^2/NDF:12687620.9/58

All: 0.000+/-0.000 χ^2/NDF: 24090120.6/110

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.044 χ^2/NDF: 27.6/28

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

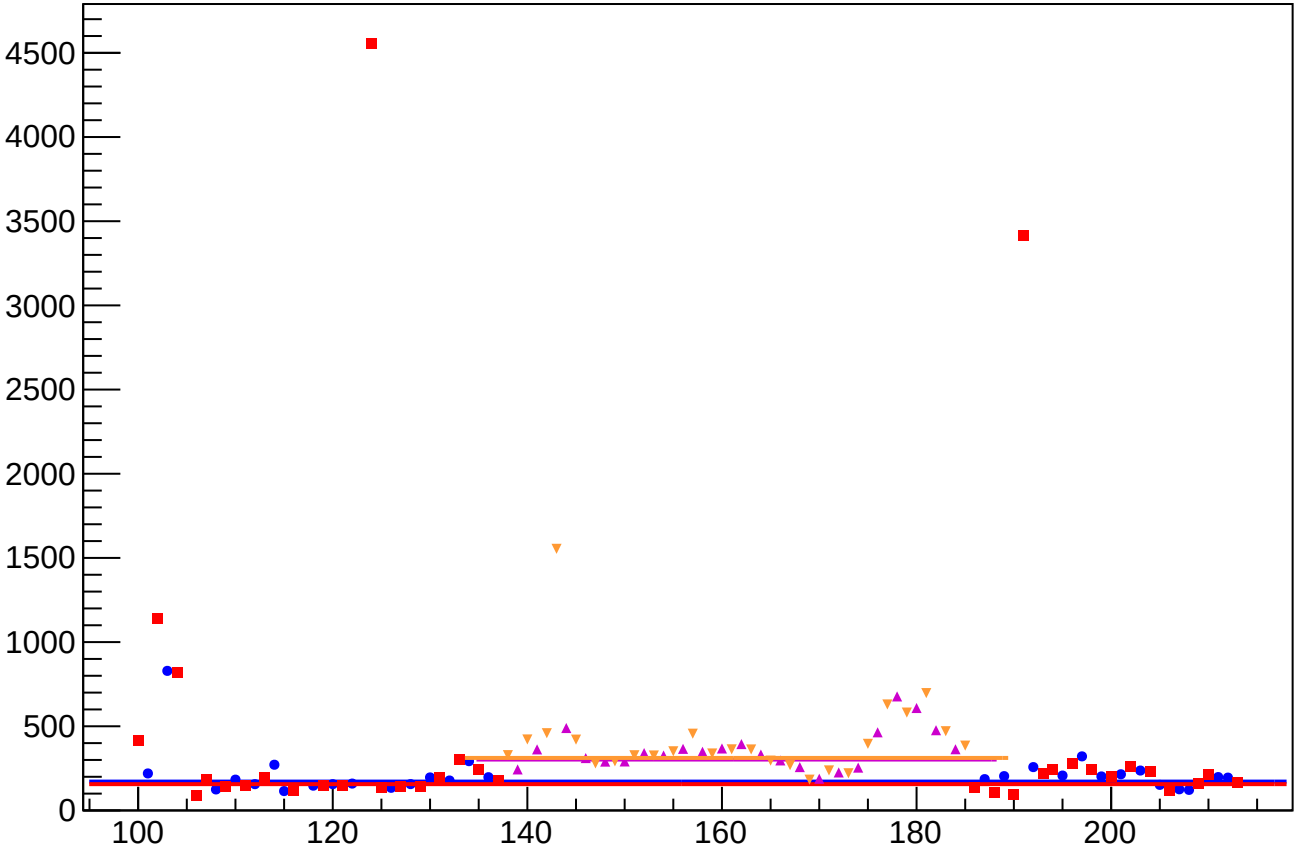
Right: 0.016+/-0.030 χ^2/NDF: 70.8/62

In: -0.015+/-0.038 χ^2/NDF:58.2/51

Out: 0.014+/-0.036 χ^2/NDF:76.0/58

All: 0.000+/-0.026 χ^2/NDF: 134.6/110

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 171.453+/-0.031 χ^2/NDF: 2657159.9/28

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

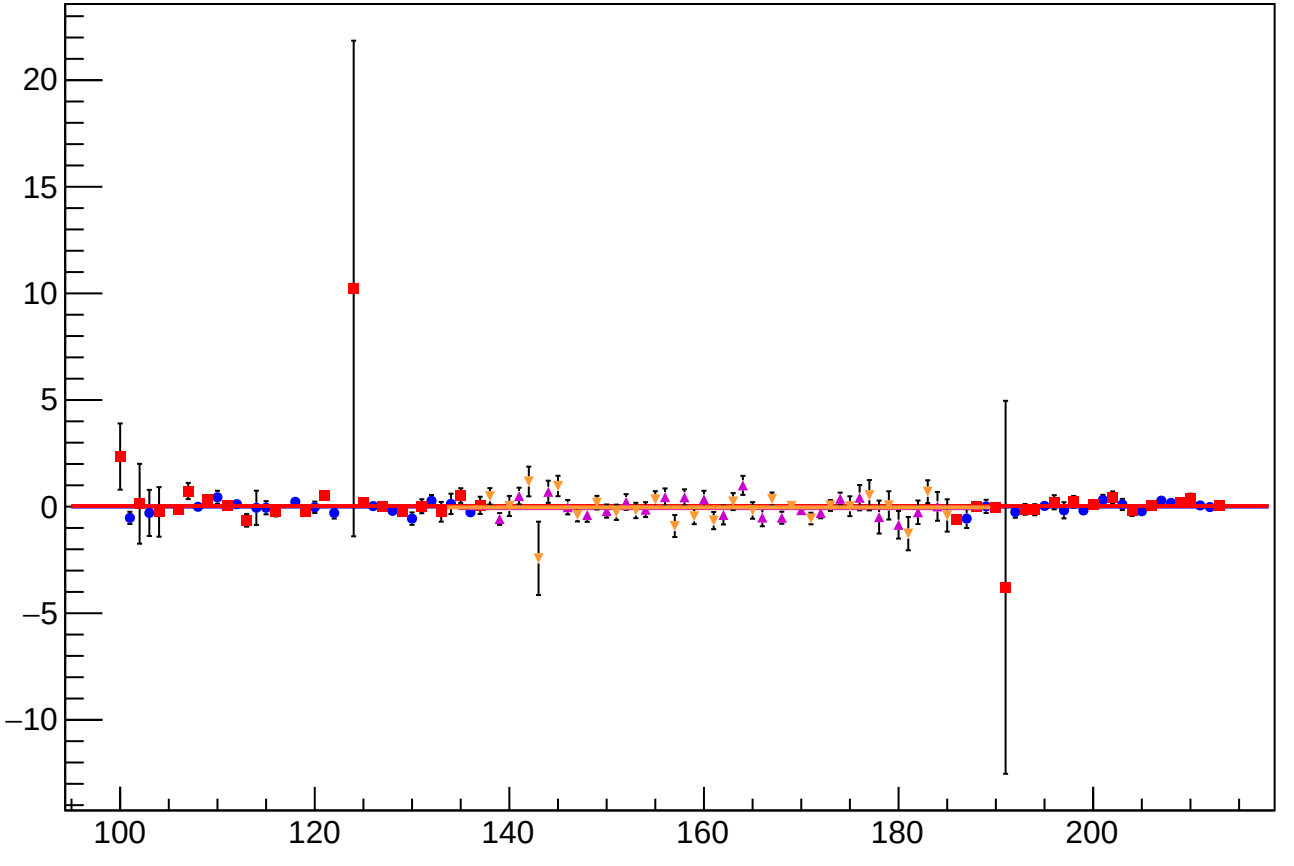
Right: 163.144+/-0.021 χ^2/NDF: 7673923.1/62

In: 205.579+/-0.027 χ^2/NDF:9984326.6/51

Out: 190.236+/-0.025 χ^2/NDF:15687392.3/58

All: 197.408+/-0.018 χ^2/NDF: 25843207.9/11

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.044 χ^2/NDF: 27.6/28

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

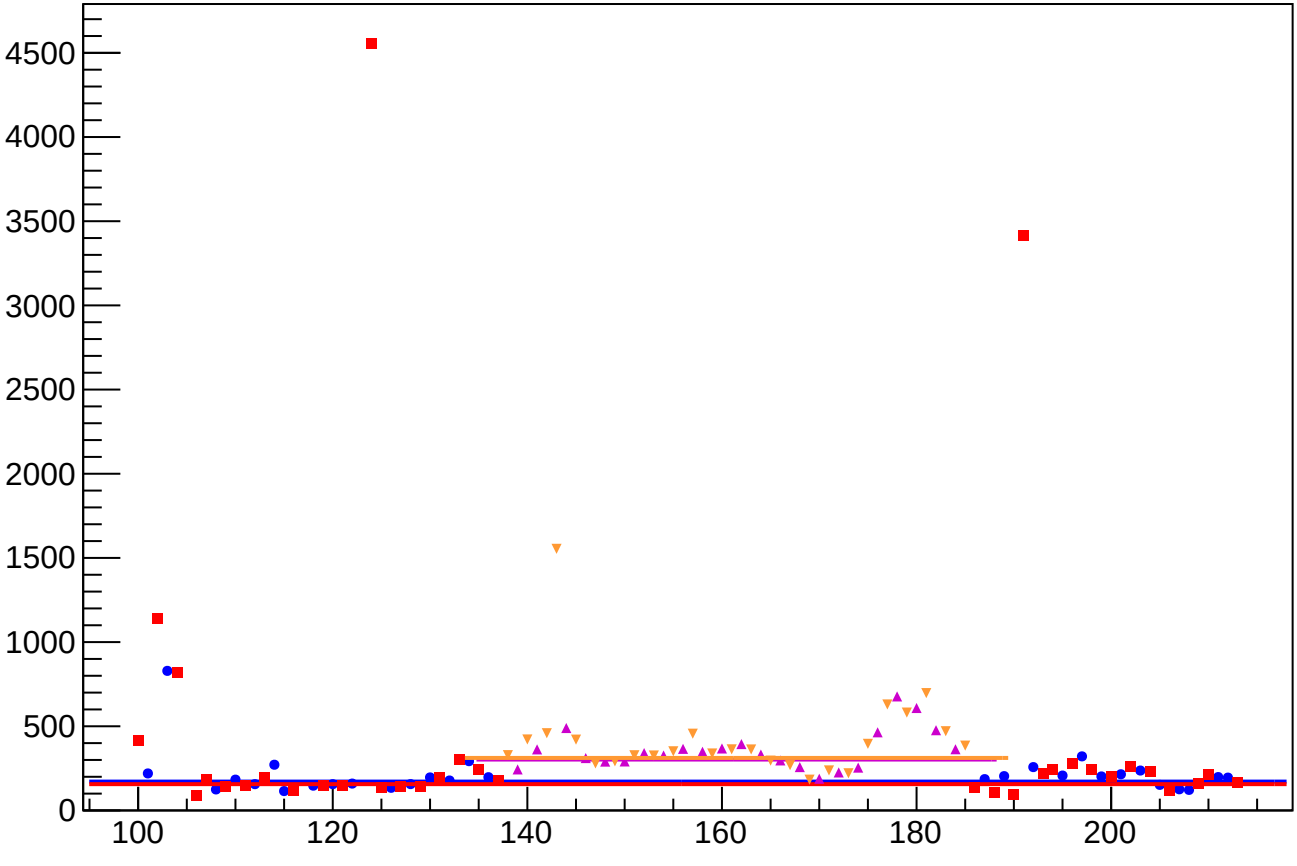
Right: 0.016+/-0.030 χ^2/NDF: 70.8/62

In: -0.015+/-0.038 χ^2/NDF:58.2/51

Out: 0.014+/-0.036 χ^2/NDF:76.0/58

All: 0.000+/-0.026 χ^2/NDF: 134.6/110

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 171.453+/-0.031 χ^2/NDF: 2657159.9/28

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

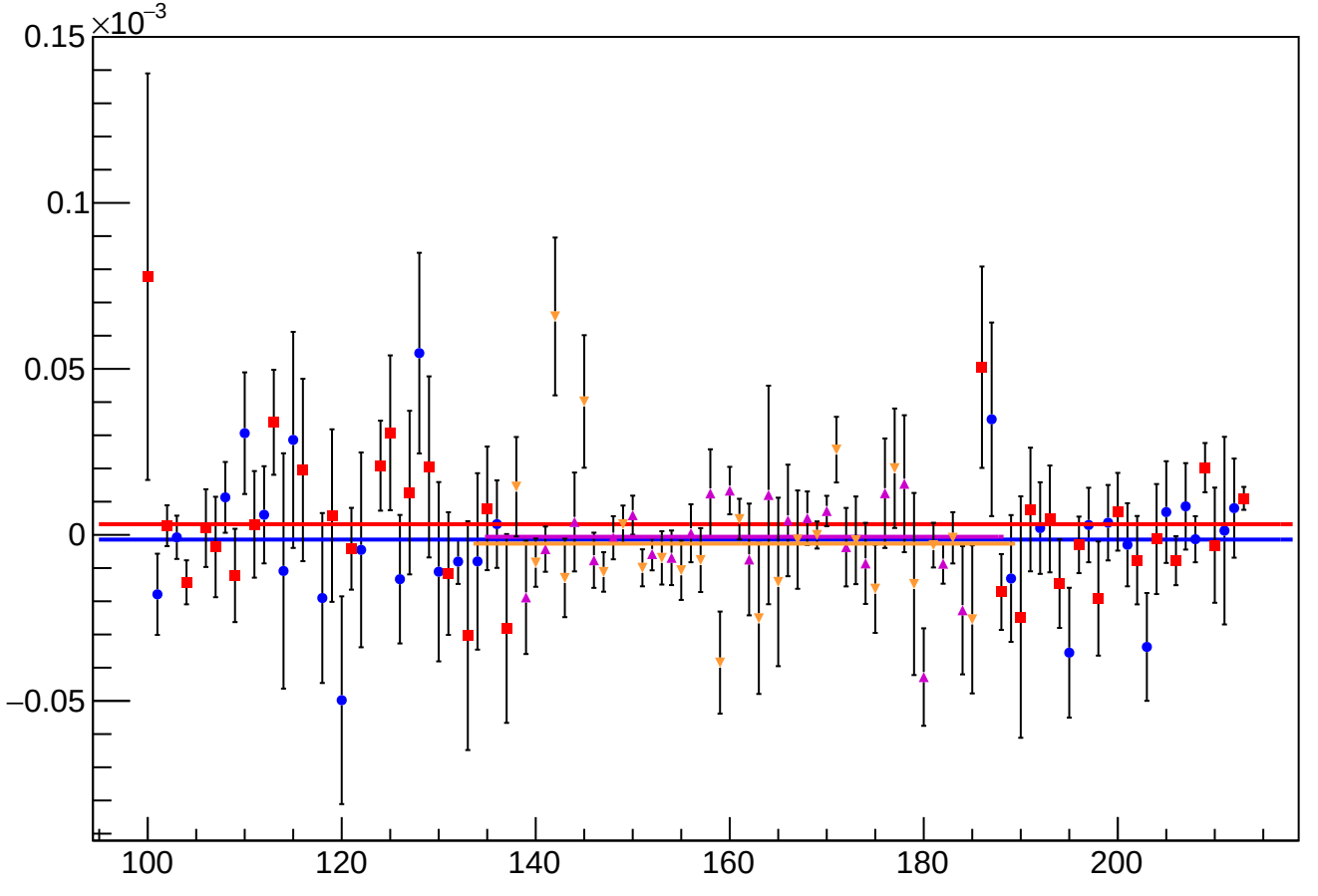
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 163.144+/-0.021 χ^2/NDF: 7673923.1/62

In: 205.579+/-0.027 χ^2/NDF:9984326.6/51

Out: 190.236+/-0.025 χ^2/NDF:15687392.3/58

All: 197.408+/-0.018 χ^2/NDF: 25843207.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/28

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

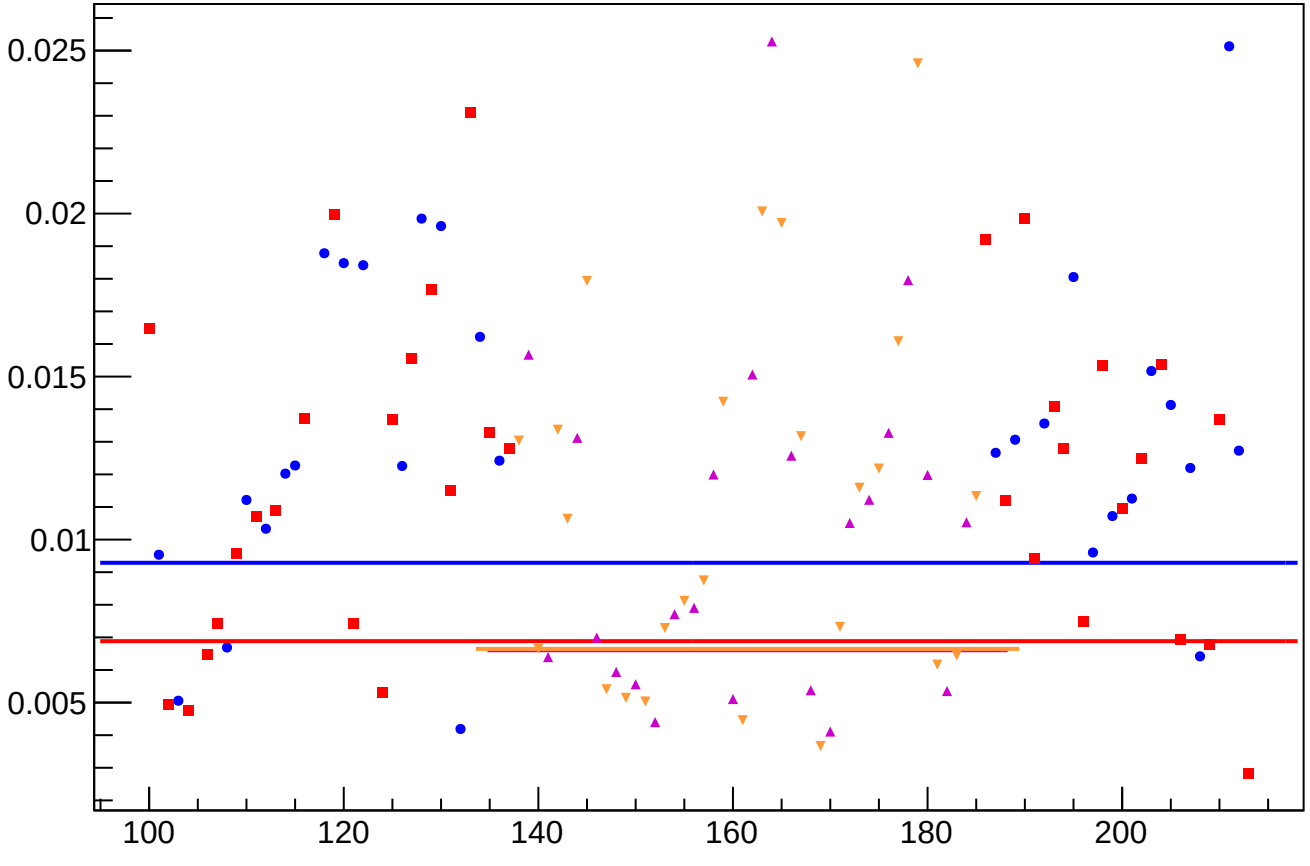
Right: 0.000+/-0.000 χ^2/NDF: 73.1/62

In: -0.000+/-0.000 χ^2/NDF:53.1/51

Out: 0.000+/-0.000 χ^2/NDF:92.4/58

All: -0.000+/-0.000 χ^2/NDF: 145.7/110

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 6064129.2/28

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

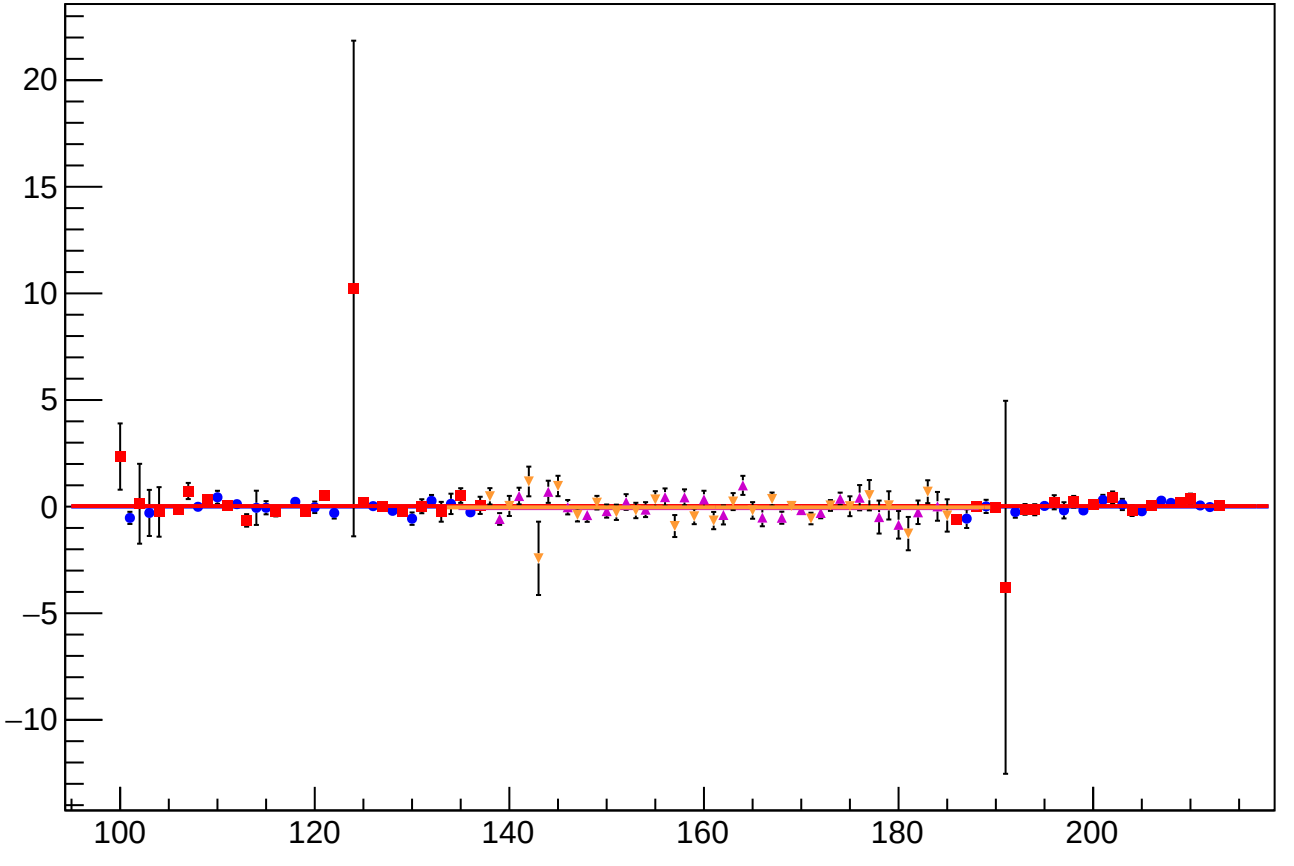
Right: 0.008+/-0.000 χ^2/NDF: 16690570.4/62

In: 0.008+/-0.000 χ^2/NDF:13455456.6/51

Out: 0.007+/-0.000 χ^2/NDF:16975225.1/58

All: 0.007+/-0.000 χ^2/NDF: 30734509.1/110

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.044 χ^2/NDF: 27.6/28

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

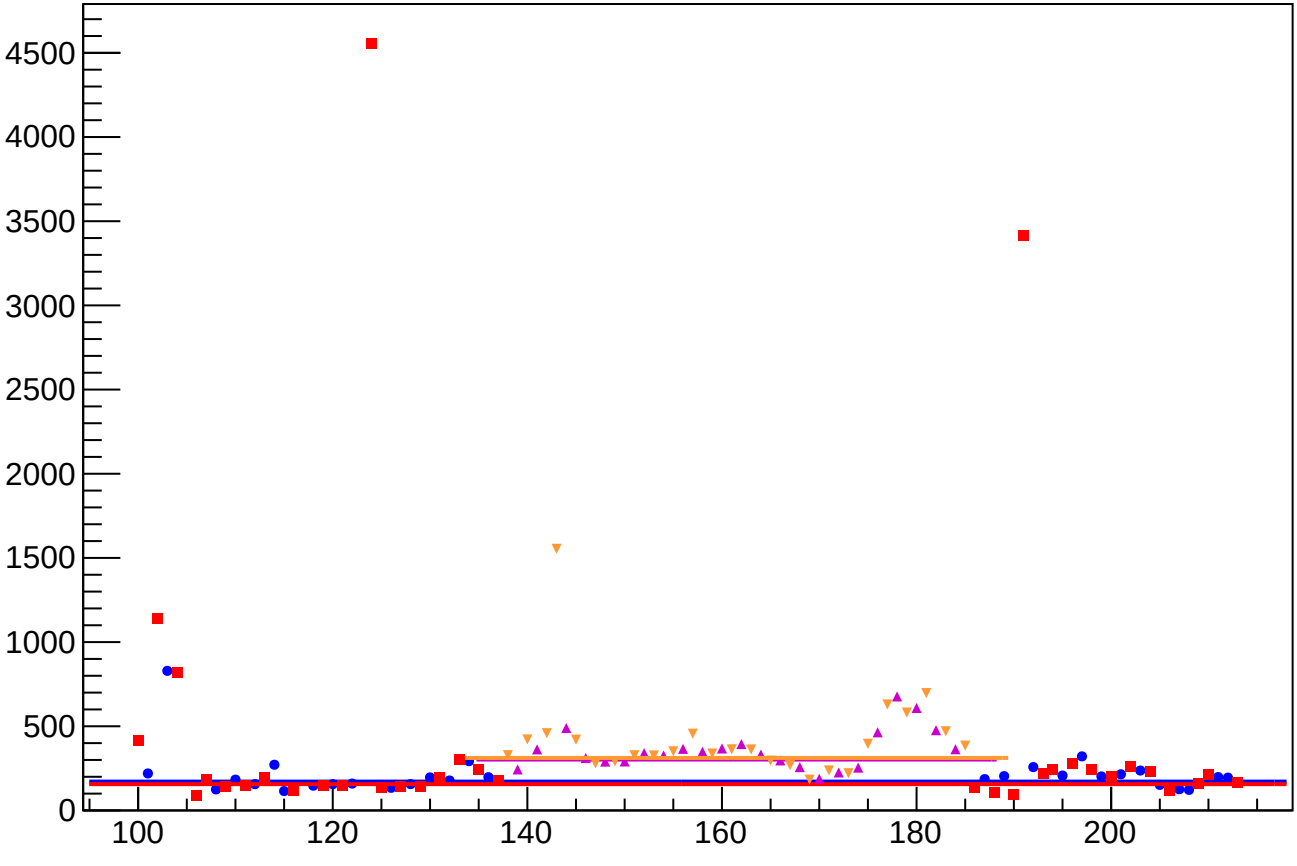
Right: 0.016+/-0.030 χ^2/NDF: 70.8/62

In: -0.015+/-0.038 χ^2/NDF:58.2/51

Out: 0.014+/-0.036 χ^2/NDF:76.0/58

All: 0.000+/-0.026 χ^2/NDF: 134.6/110

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 171.452+/-0.031 χ^2/NDF: 2657230.3/28

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

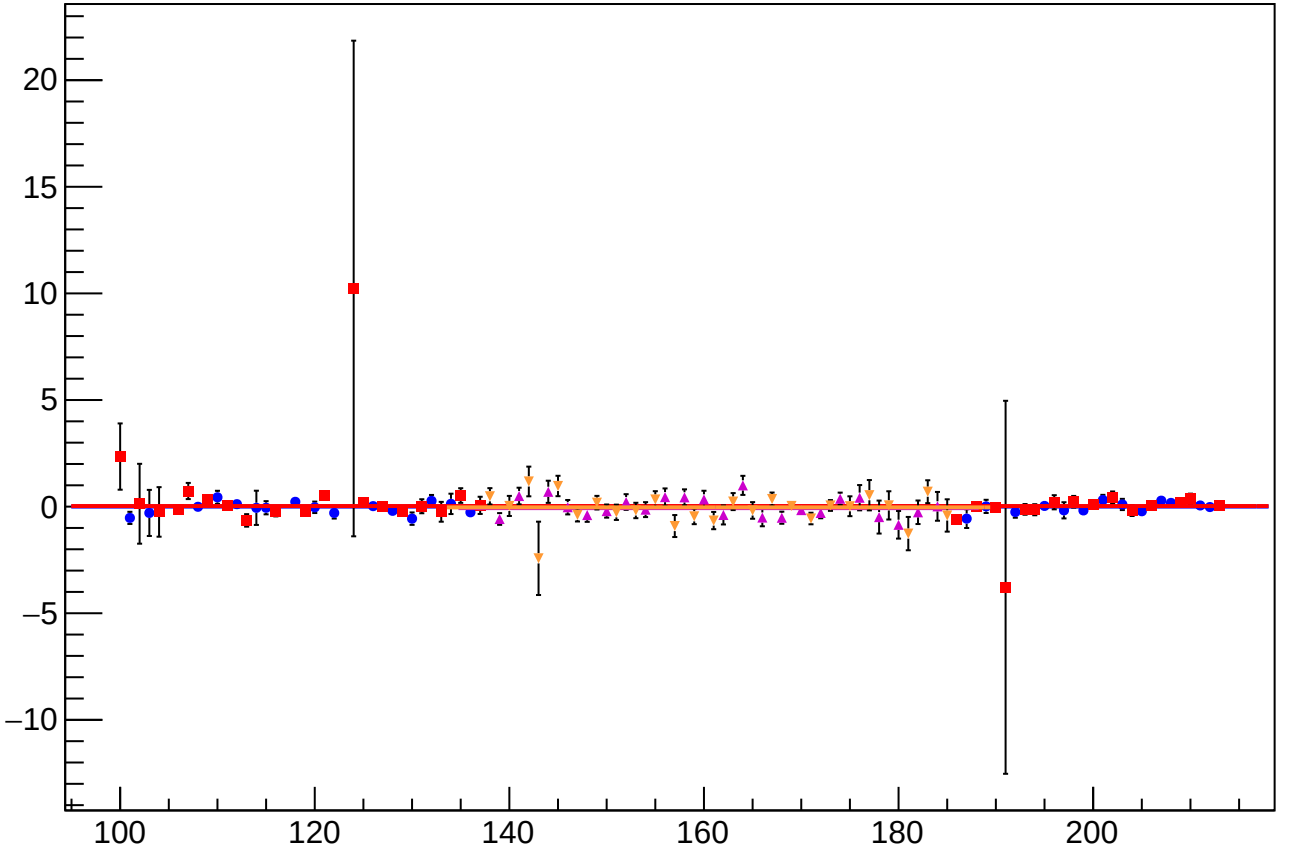
Right: 163.141+/-0.021 χ^2/NDF: 7674248.4/62

In: 205.578+/-0.027 χ^2/NDF:9984674.7/51

Out: 190.233+/-0.025 χ^2/NDF:15688093.4/58

All: 197.406+/-0.018 χ^2/NDF: 25844308.5/11

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.044 χ^2/NDF: 27.6/28

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

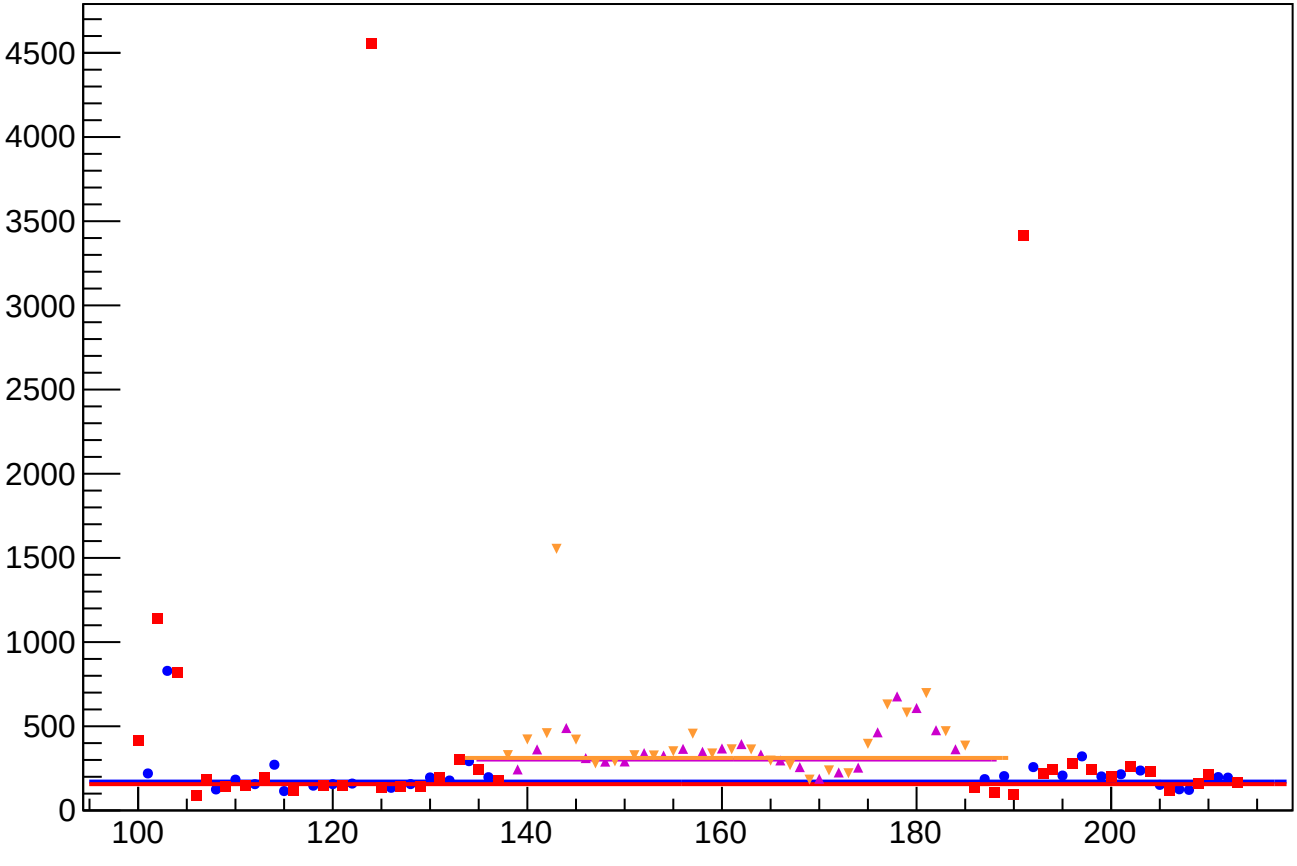
Right: 0.016+/-0.030 χ^2/NDF: 70.8/62

In: -0.015+/-0.038 χ^2/NDF:58.2/51

Out: 0.014+/-0.036 χ^2/NDF:76.0/58

All: 0.000+/-0.026 χ^2/NDF: 134.6/110

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 171.452+/-0.031 χ^2/NDF: 2657230.3/28

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

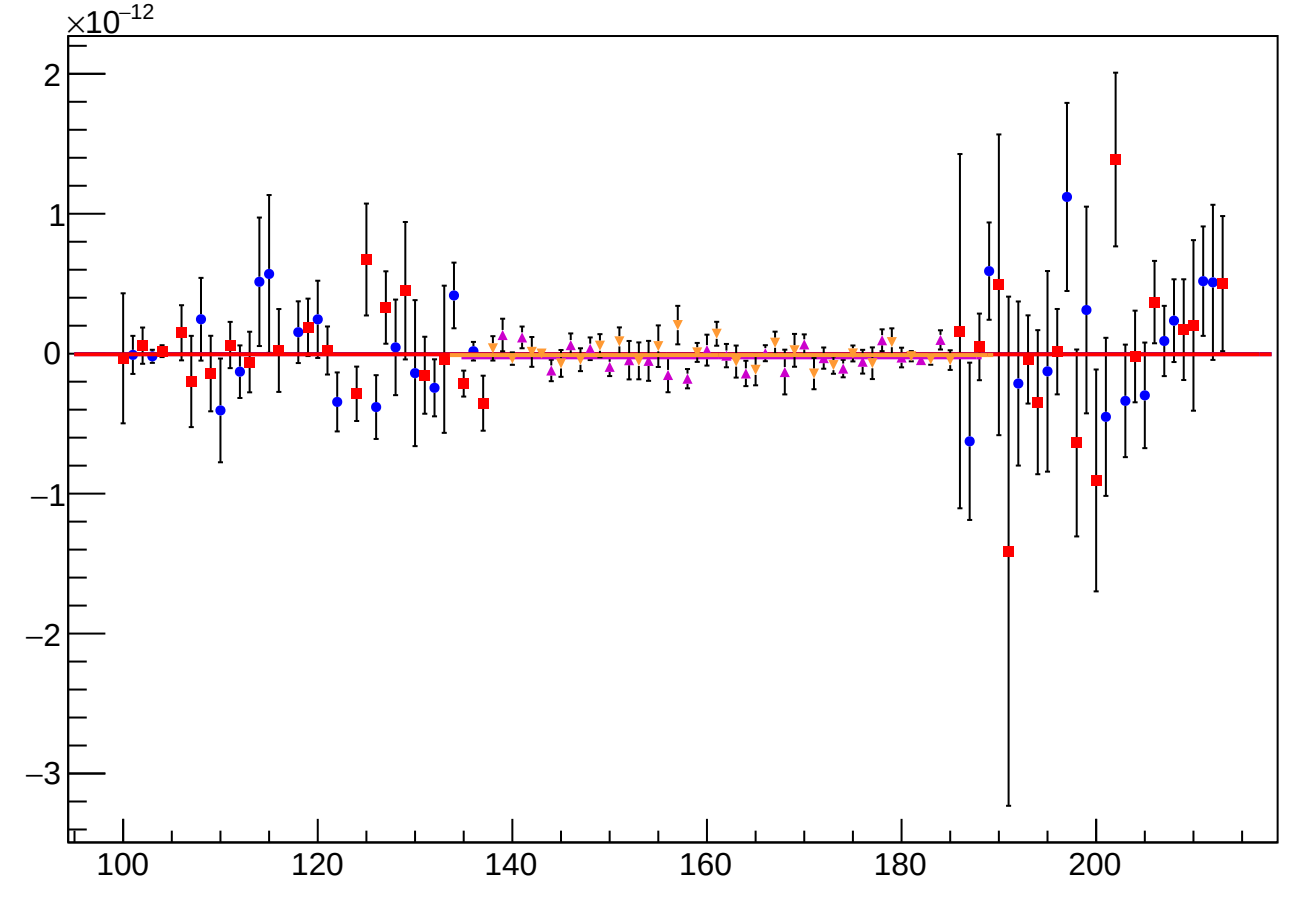
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 163.141+/-0.021 χ^2/NDF: 7674248.4/62

In: 205.578+/-0.027 χ^2/NDF:9984674.7/51

Out: 190.233+/-0.025 χ^2/NDF:15688093.4/58

All: 197.406+/-0.018 χ^2/NDF: 25844308.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/28

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

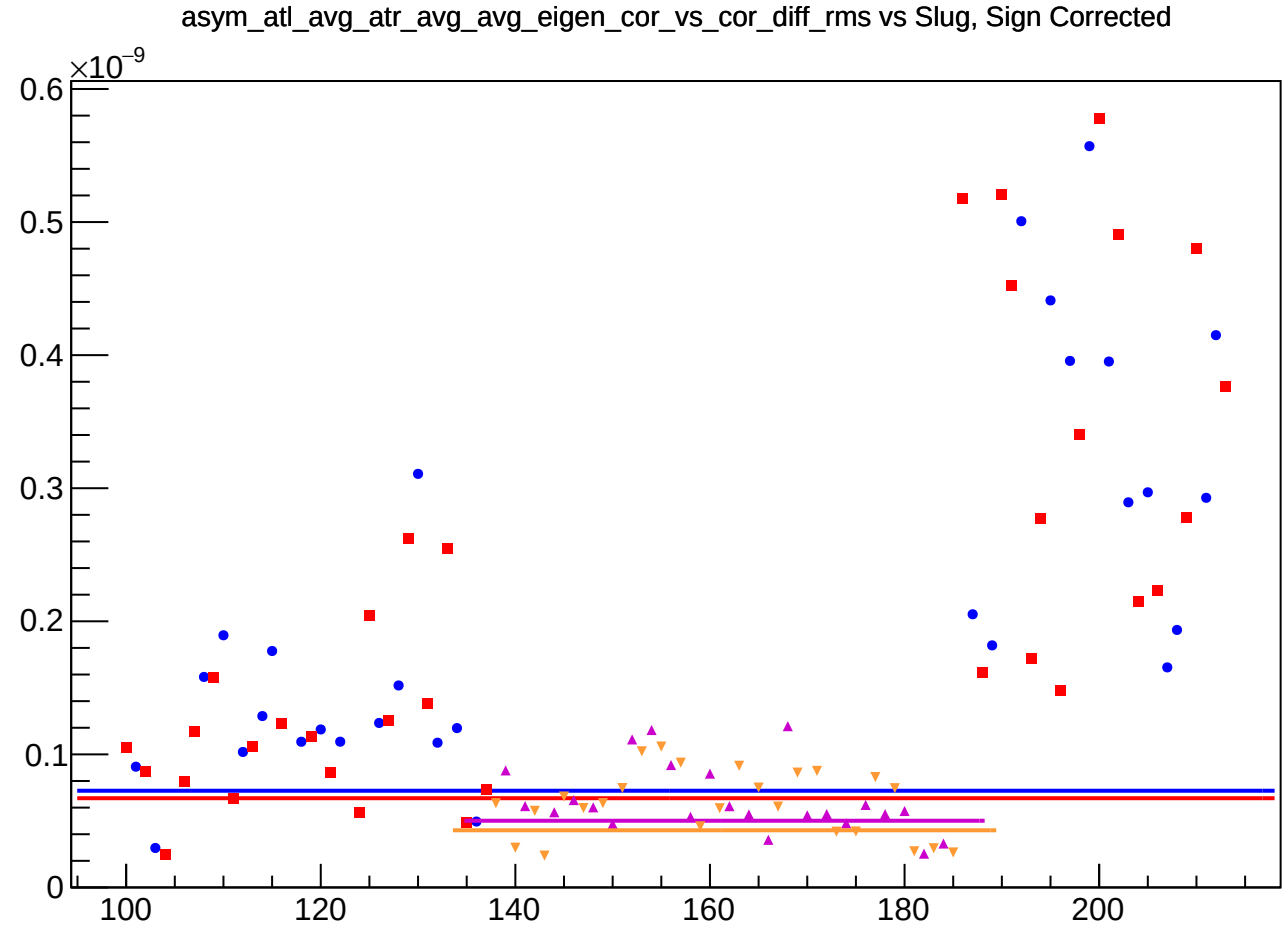
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 59.4/62

In: -0.000+/-0.000 χ^2/NDF:56.9/51

Out: -0.000+/-0.000 χ^2/NDF:46.8/58

All: -0.000+/-0.000 χ^2/NDF: 104.1/110



Right In: 0.000+/-0.000 χ^2/NDF: 10589954.3/28

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

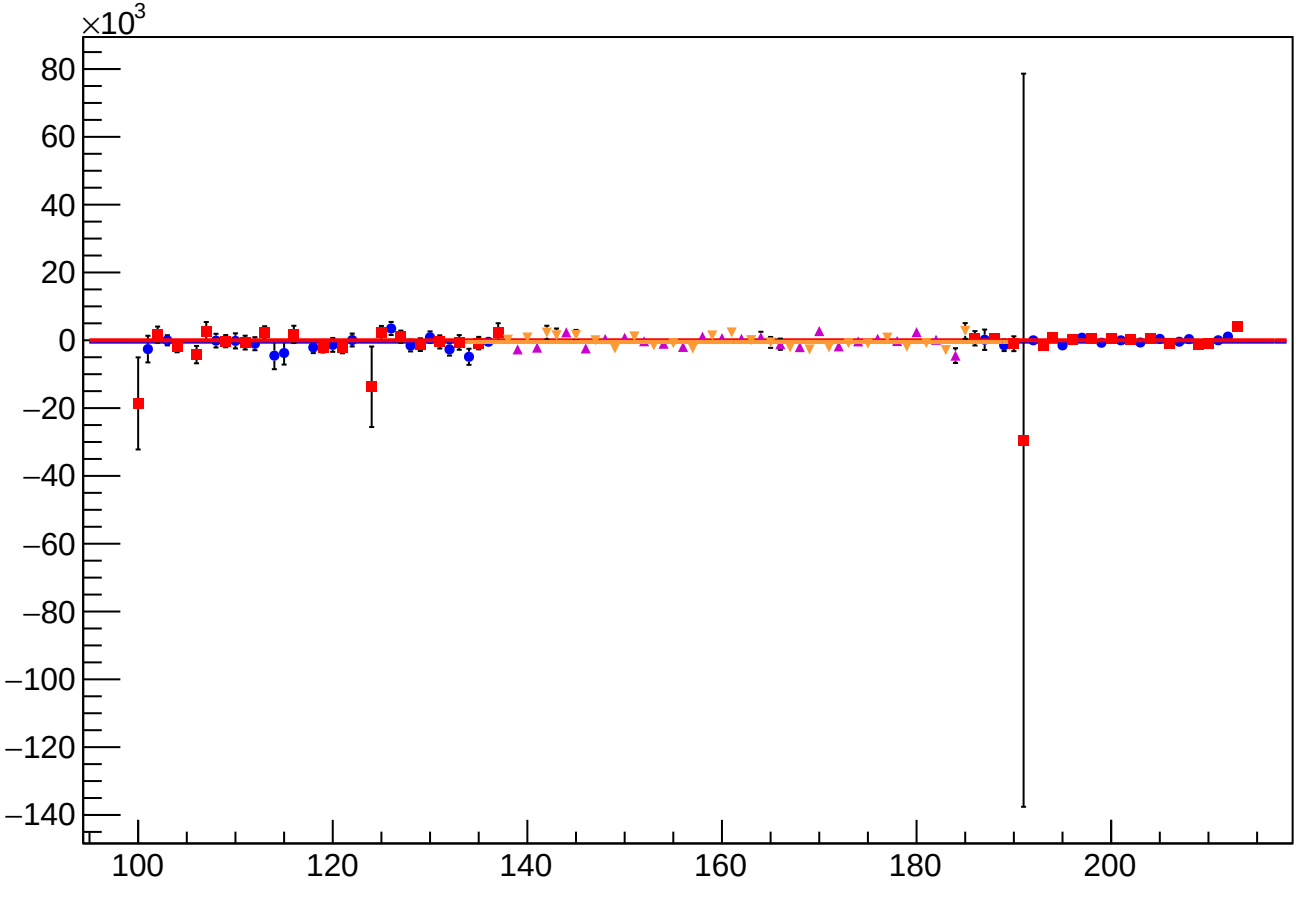
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 21562540.0/62

In: 0.000+/-0.000 χ^2/NDF:15024373.5/51

Out: 0.000+/-0.000 χ^2/NDF:17074665.0/58

All: 0.000+/-0.000 χ^2/NDF: 32424510.0/110



Right In: -408.326+/-307.189 χ^2/NDF: 17.9/28

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

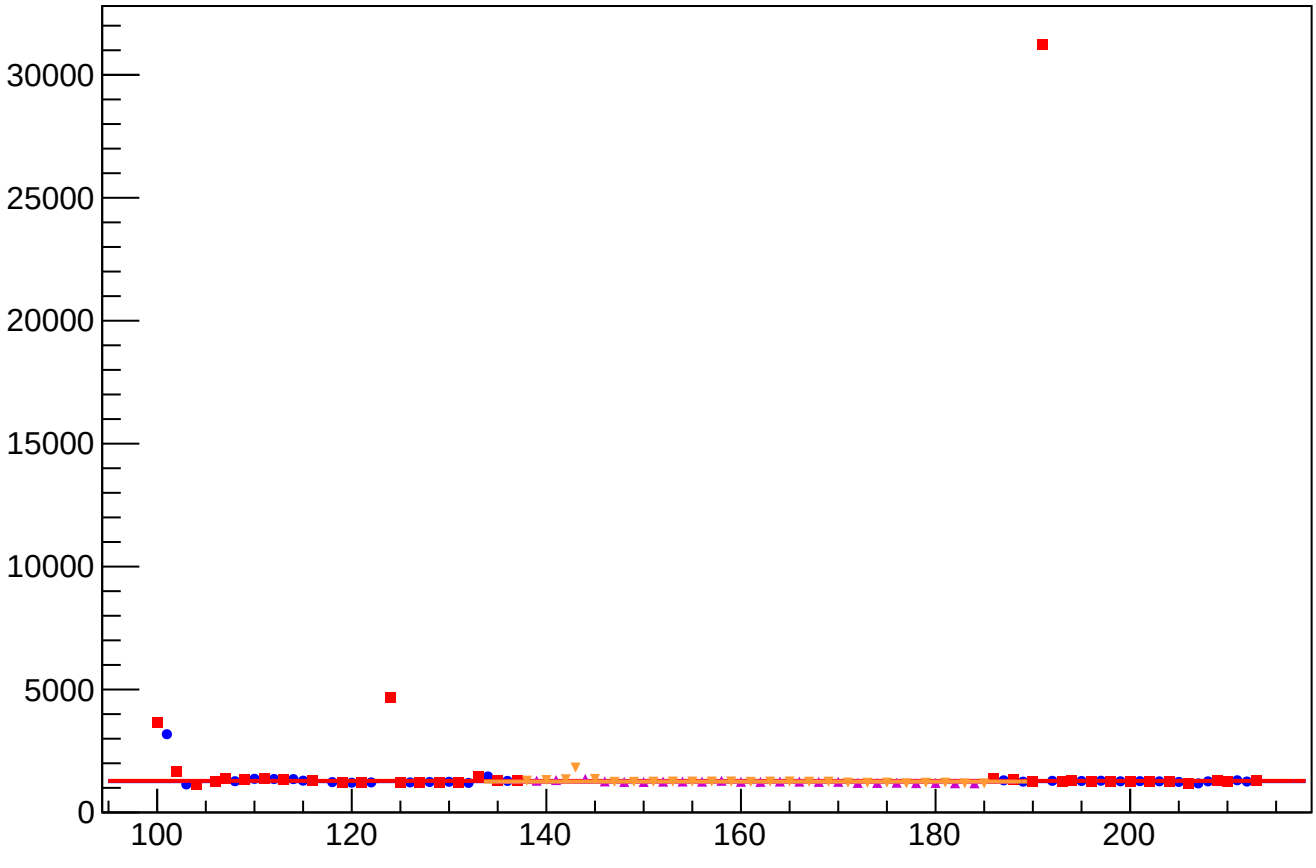
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -196.520+/-214.359 χ^2/NDF: 48.7/62

In: -321.074+/-211.323 χ^2/NDF:50.1/51

Out: -266.799+/-206.742 χ^2/NDF:62.3/58

All: -293.341+/-147.782 χ^2/NDF: 112.5/110



Right In: 1272.442+/-0.217 χ^2/NDF: 533683.3/28

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

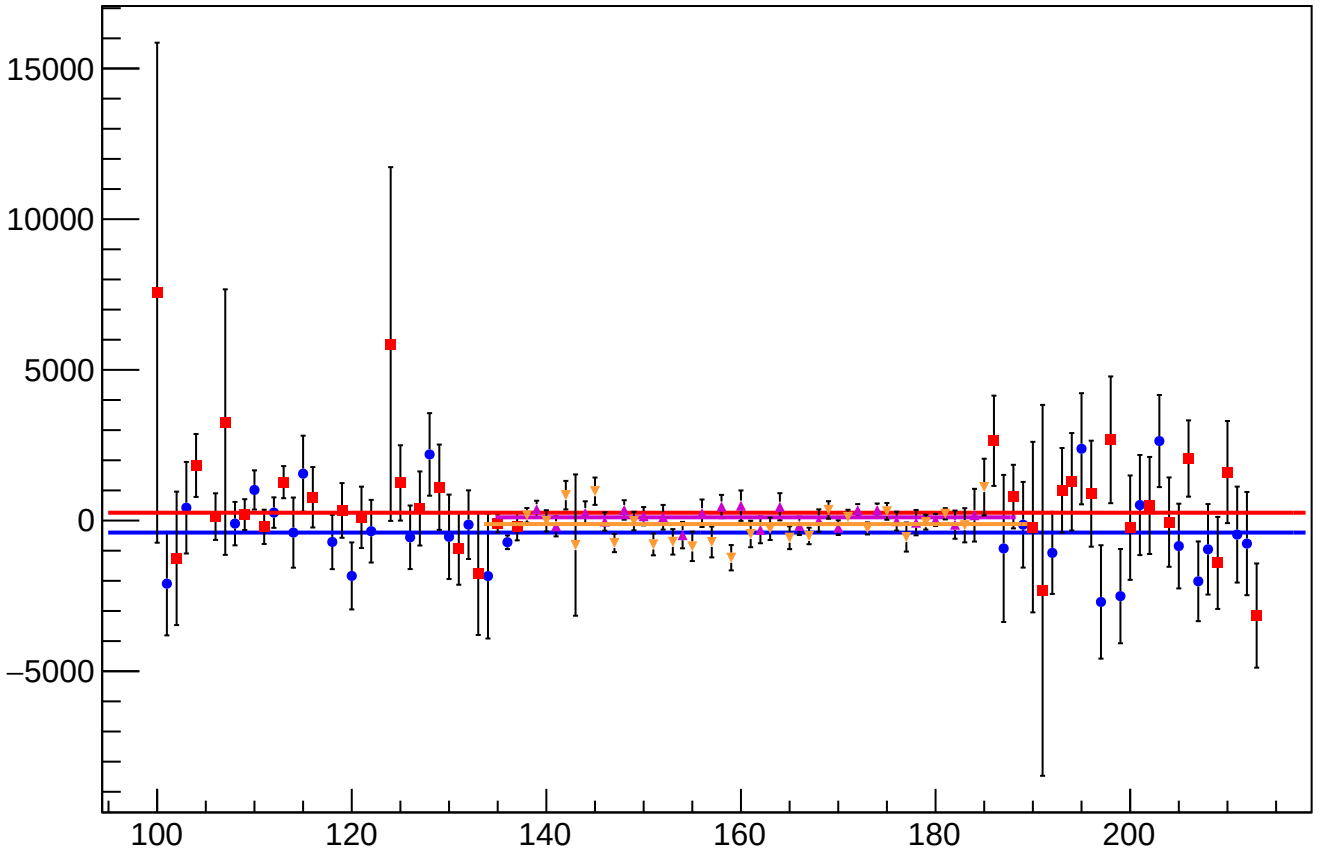
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.293+/-0.152 χ^2/NDF: 1042757.0/62

In: 1258.700+/-0.149 χ^2/NDF:581138.3/51

Out: 1269.035+/-0.146 χ^2/NDF:720154.2/58

All: 1263.981+/-0.104 χ^2/NDF: 1303736.9/11



Right In: -398.755+/-156.979 χ^2/NDF: 30.1/28

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

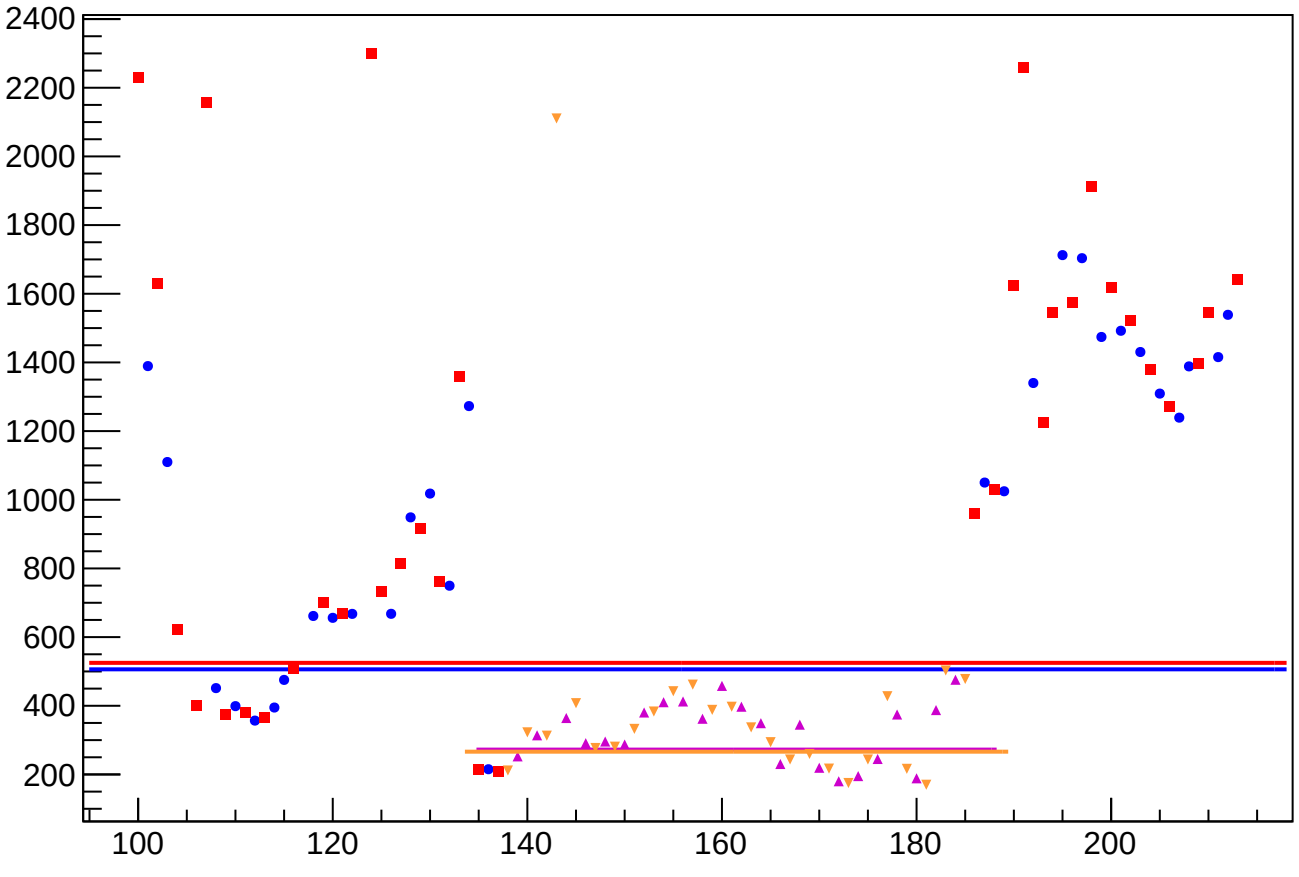
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -69.328+/-110.973 χ^2/NDF: 66.8/62

In: 29.353+/-61.623 χ^2/NDF:52.7/51

Out: -61.748+/-60.097 χ^2/NDF:81.2/58

All: -17.339+/-43.024 χ^2/NDF: 135.0/110



Right In: 506.128+/-0.111 χ^2/NDF: 13693365.2/28

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

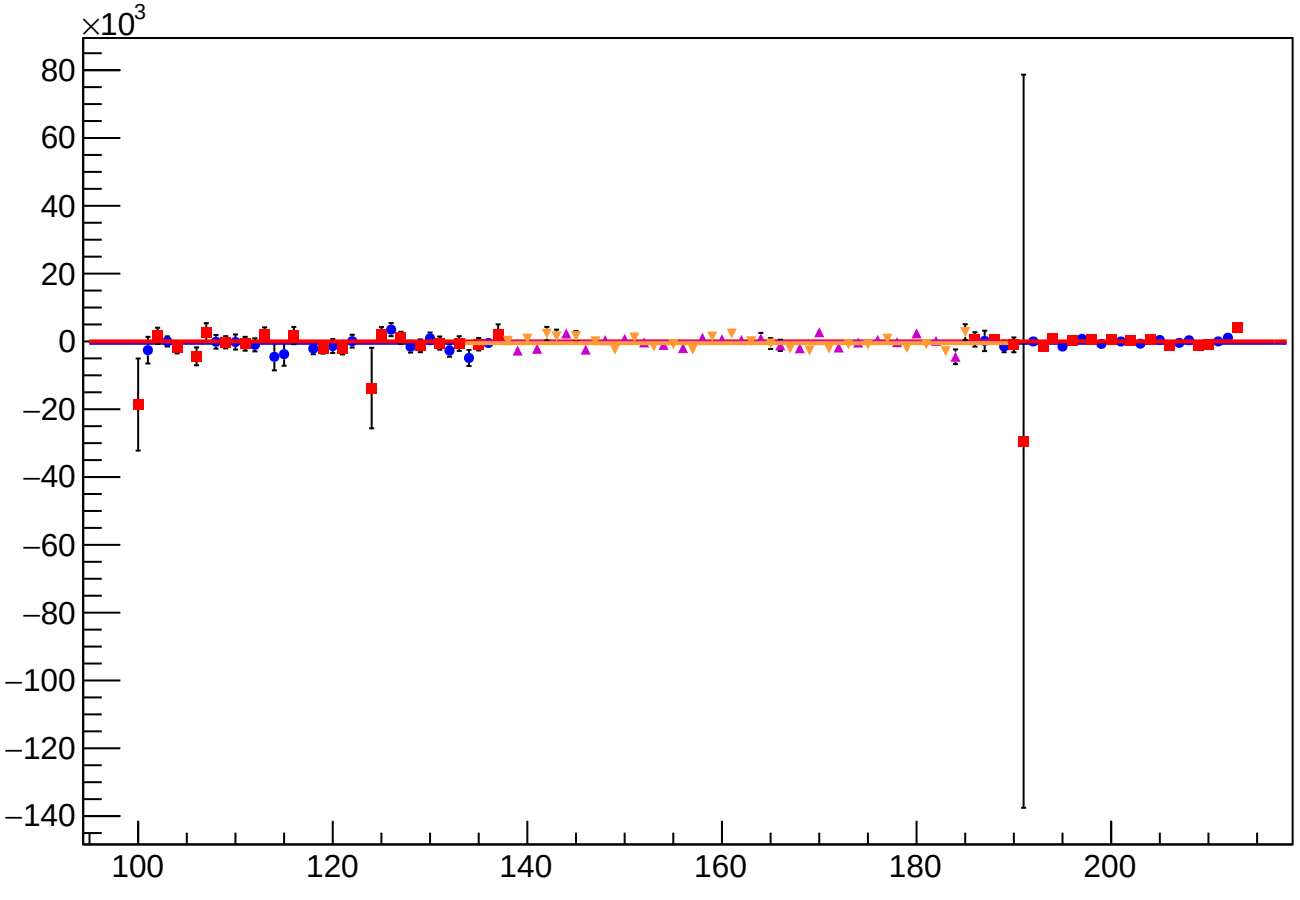
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 515.569+/-0.078 χ^2/NDF: 28259417.5/62

In: 308.390+/-0.044 χ^2/NDF:20332717.5/51

Out: 304.272+/-0.042 χ^2/NDF:23820539.9/58

All: 306.279+/-0.030 χ^2/NDF: 44157834.7/11



Right In: -408.178+/-307.189 χ^2/NDF: 17.9/28

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

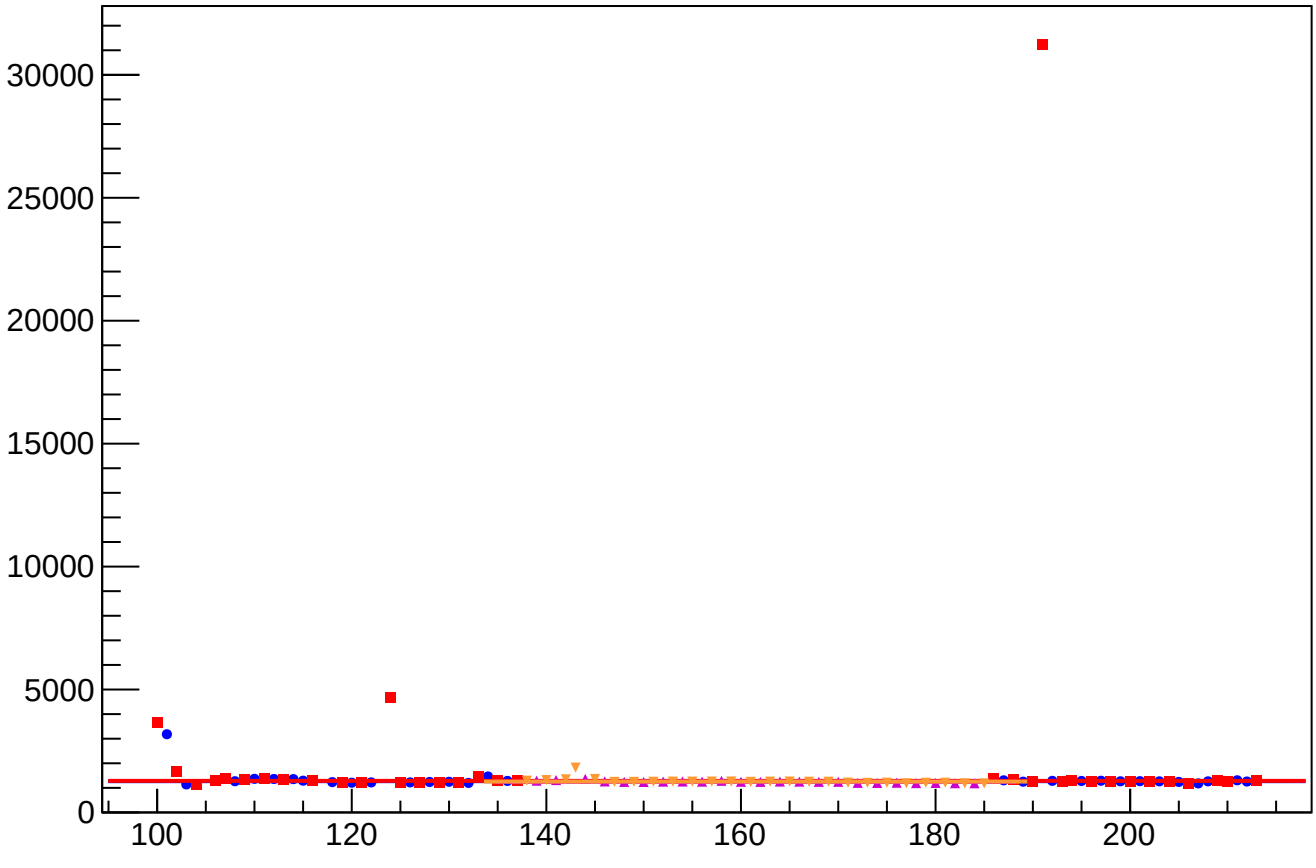
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -195.878+/-214.404 χ^2/NDF: 48.7/62

In: -320.992+/-211.323 χ^2/NDF:50.1/51

Out: -266.268+/-206.782 χ^2/NDF:62.3/58

All: -293.035+/-147.796 χ^2/NDF: 112.5/110



Right In: 1272.442+/-0.217 χ^2/NDF: 533684.7/28

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

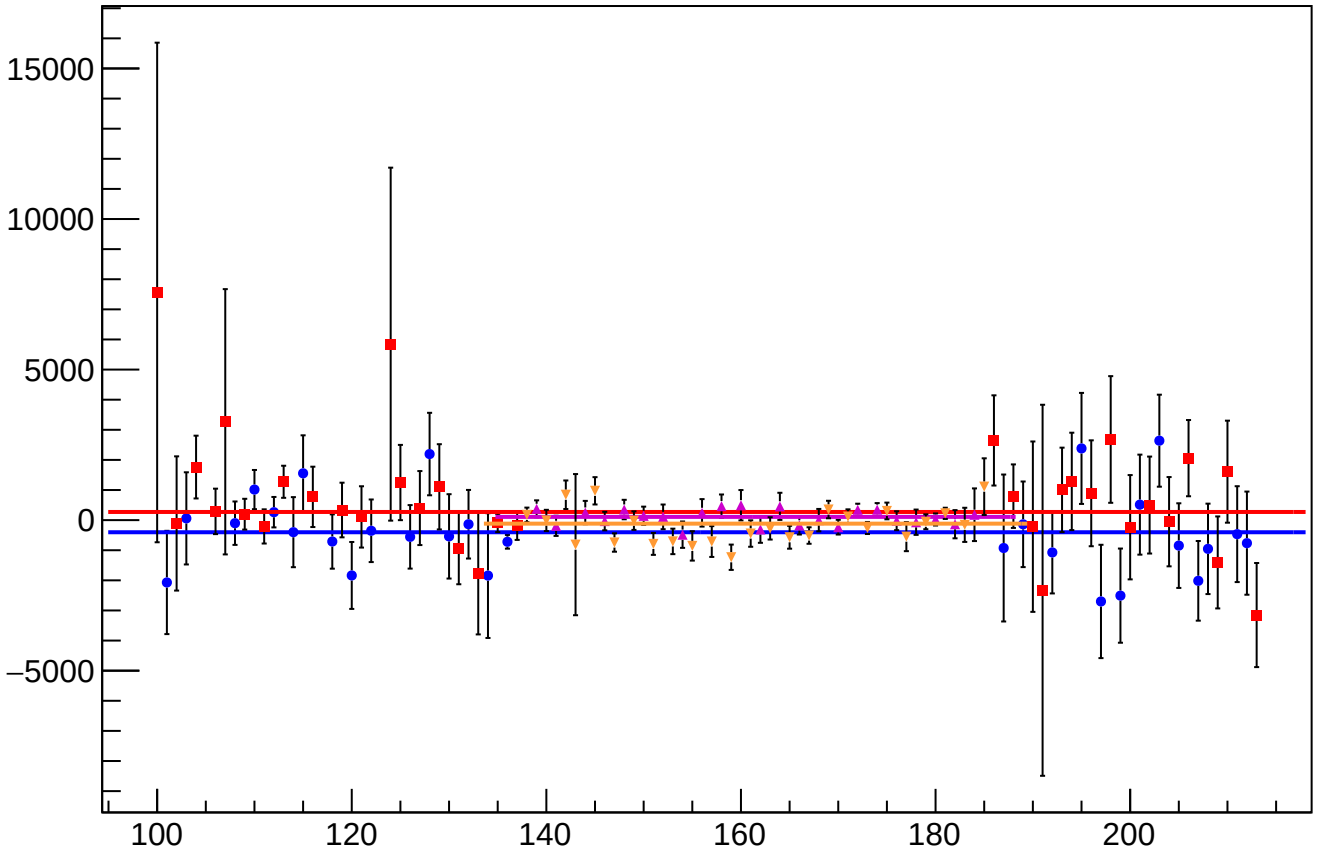
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.568+/-0.152 χ^2/NDF: 1042872.2/62

In: 1258.700+/-0.149 χ^2/NDF:581139.7/51

Out: 1269.287+/-0.146 χ^2/NDF:720487.9/58

All: 1264.109+/-0.105 χ^2/NDF: 1304192.0/11



Right In: -402.644+/-156.995 χ^2/NDF: 29.9/28

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

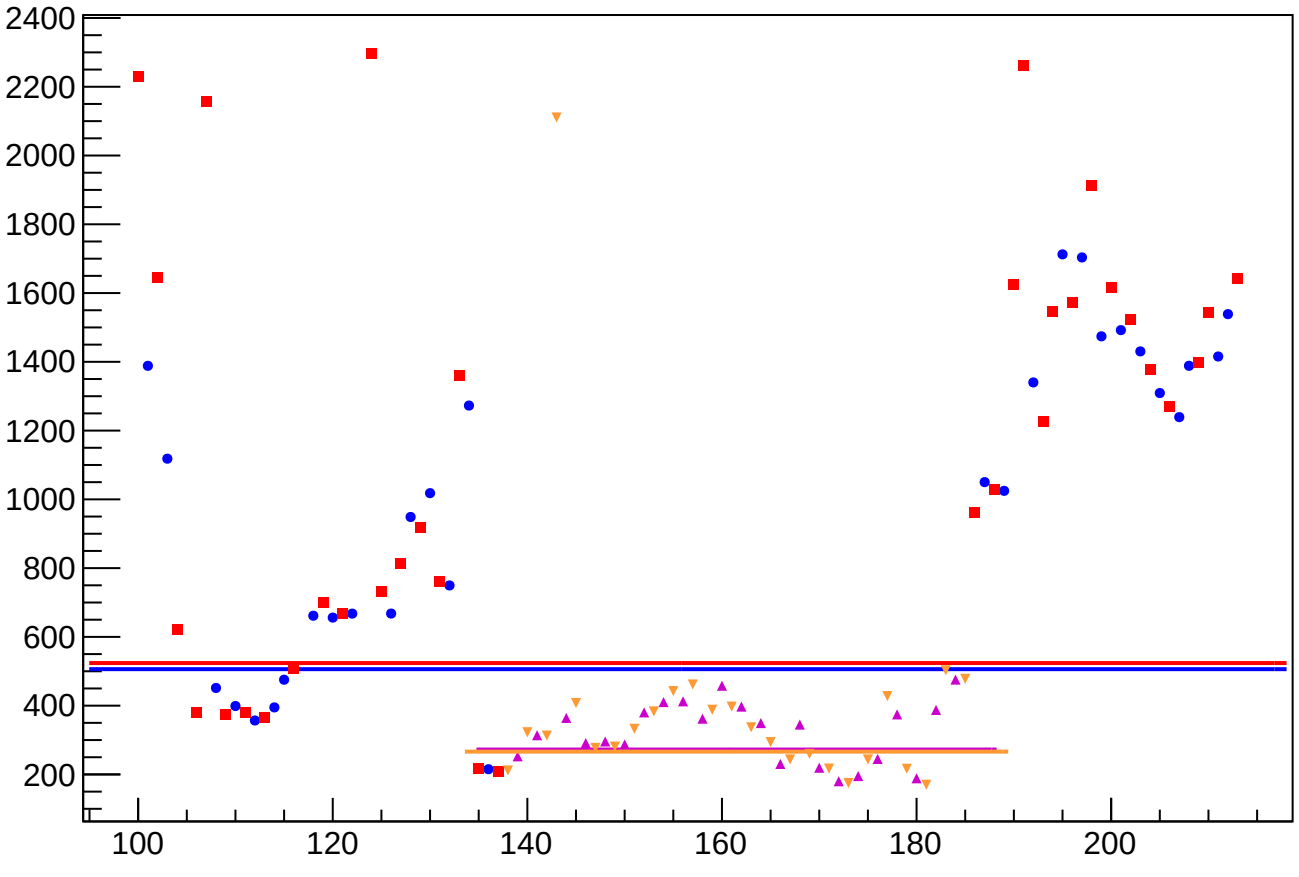
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -65.316+/-110.923 χ^2/NDF: 66.3/62

In: 28.863+/-61.625 χ^2/NDF:52.6/51

Out: -59.989+/-60.090 χ^2/NDF:80.9/58

All: -16.684+/-43.022 χ^2/NDF: 134.5/110



Right In: 506.147+/-0.111 χ^2/NDF: 13696399.9/28

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

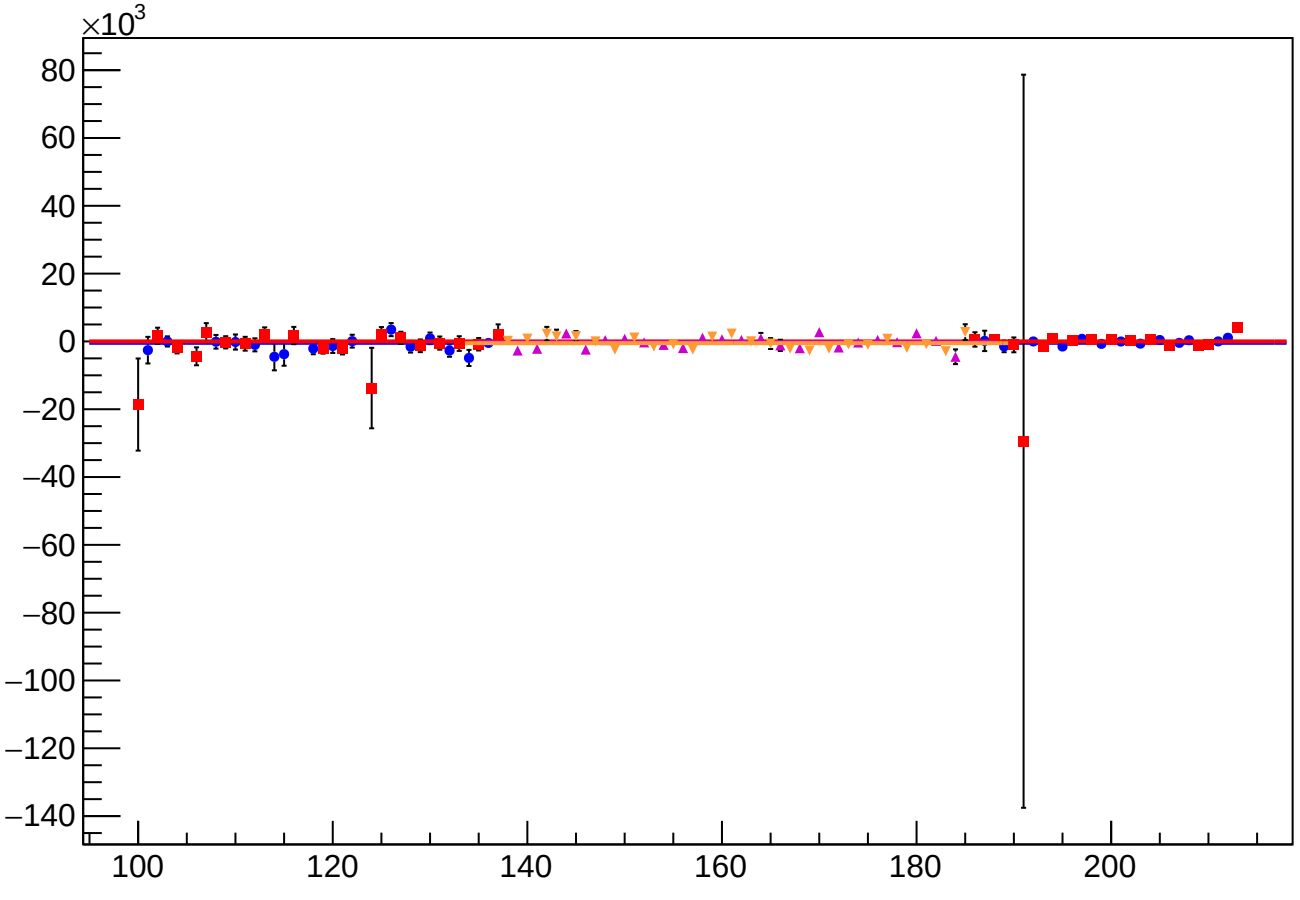
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 515.044+/-0.078 χ^2/NDF: 28288248.0/62

In: 308.397+/-0.044 χ^2/NDF:20335133.4/51

Out: 304.183+/-0.042 χ^2/NDF:23816701.5/58

All: 306.237+/-0.030 χ^2/NDF: 44156627.3/11



Right In: -408.178+/-307.189 χ^2/NDF: 17.9/28

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

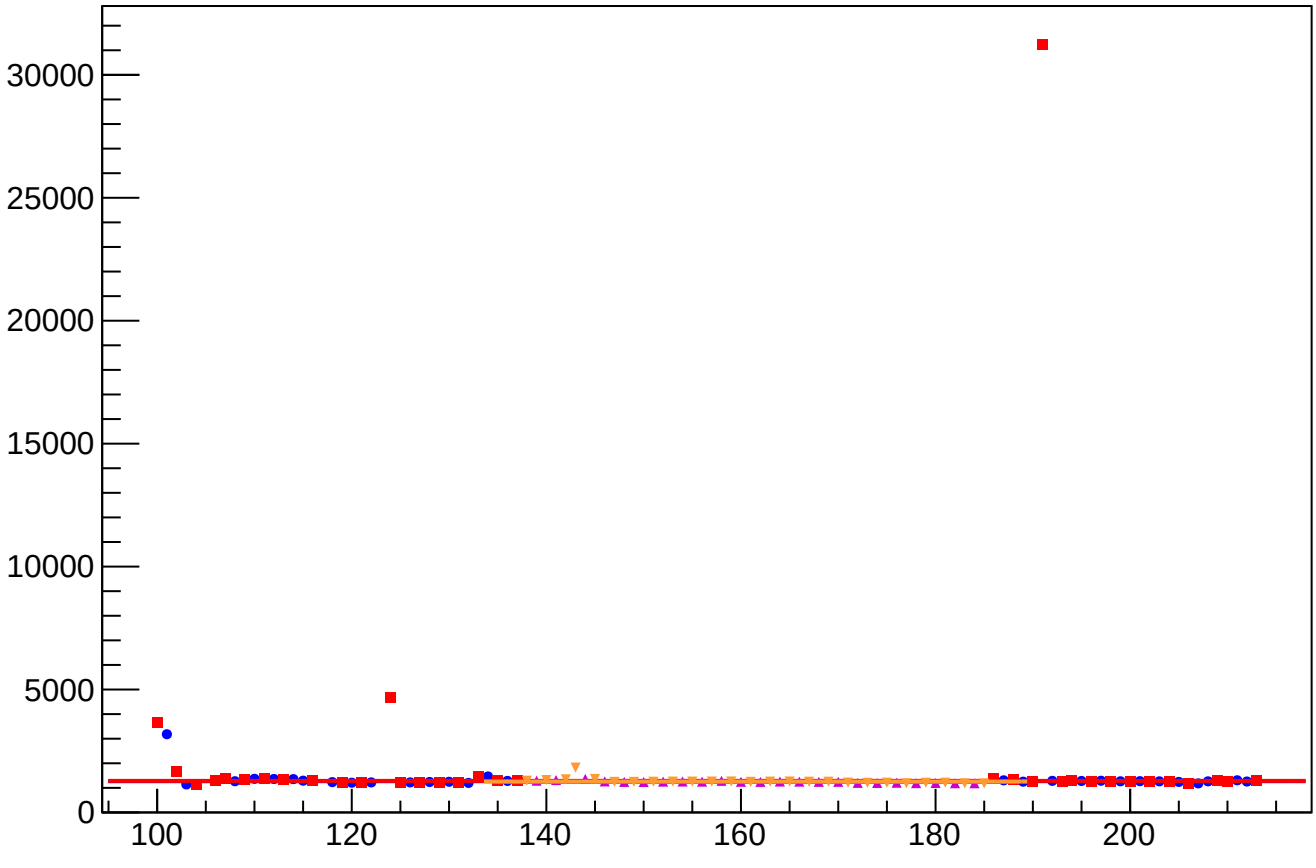
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -195.878+/-214.404 χ^2/NDF: 48.7/62

In: -320.992+/-211.323 χ^2/NDF:50.1/51

Out: -266.268+/-206.782 χ^2/NDF:62.3/58

All: -293.035+/-147.796 χ^2/NDF: 112.5/110



Right In: 1272.442+/-0.217 χ^2/NDF: 533684.7/28

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

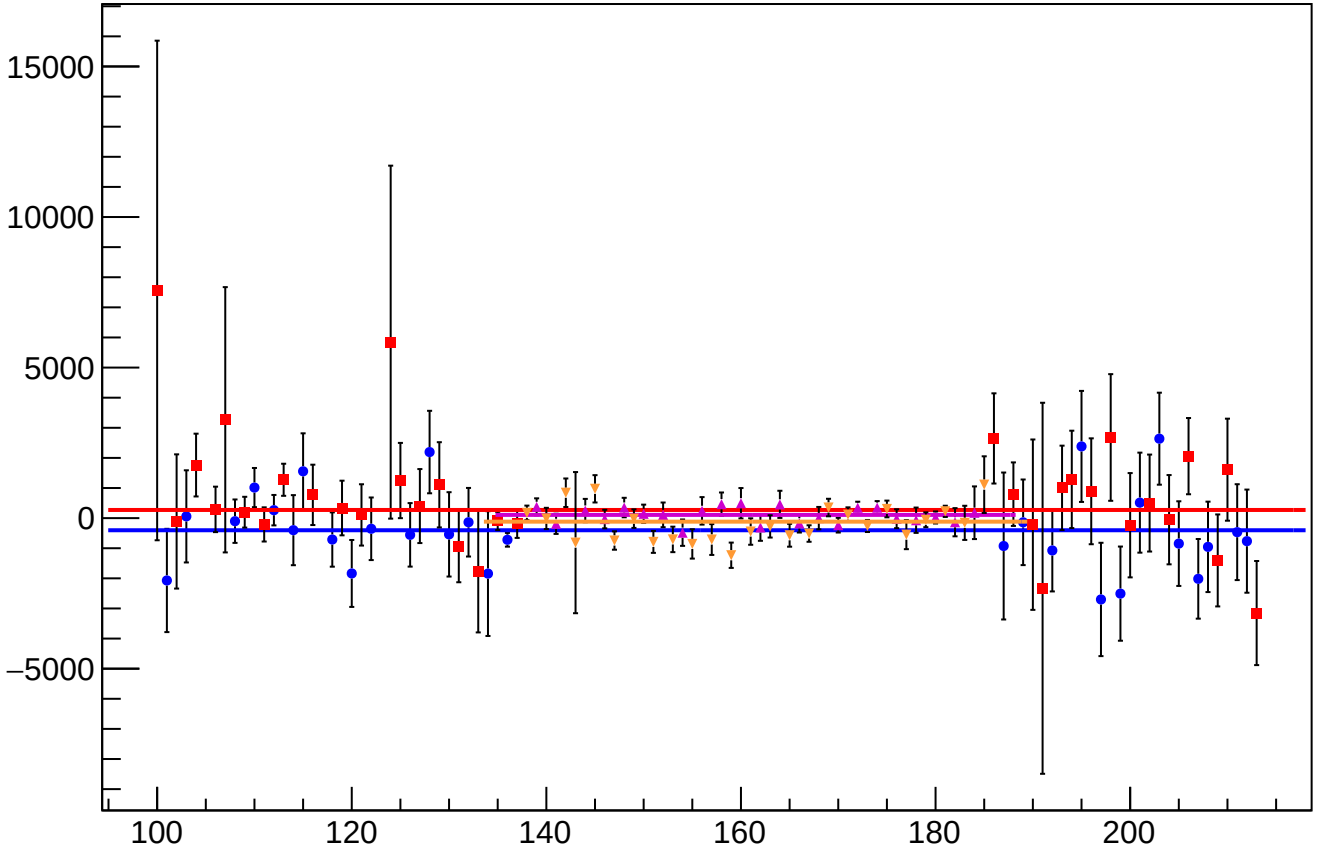
Right: 1278.568+/-0.152 χ^2/NDF: 1042872.2/62

In: 1258.700+/-0.149 χ^2/NDF:581139.7/51

Out: 1269.287+/-0.146 χ^2/NDF:720487.9/58

All: 1264.109+/-0.105 χ^2/NDF: 1304192.0/11

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -402.644+/-156.995 χ^2/NDF: 29.9/28

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

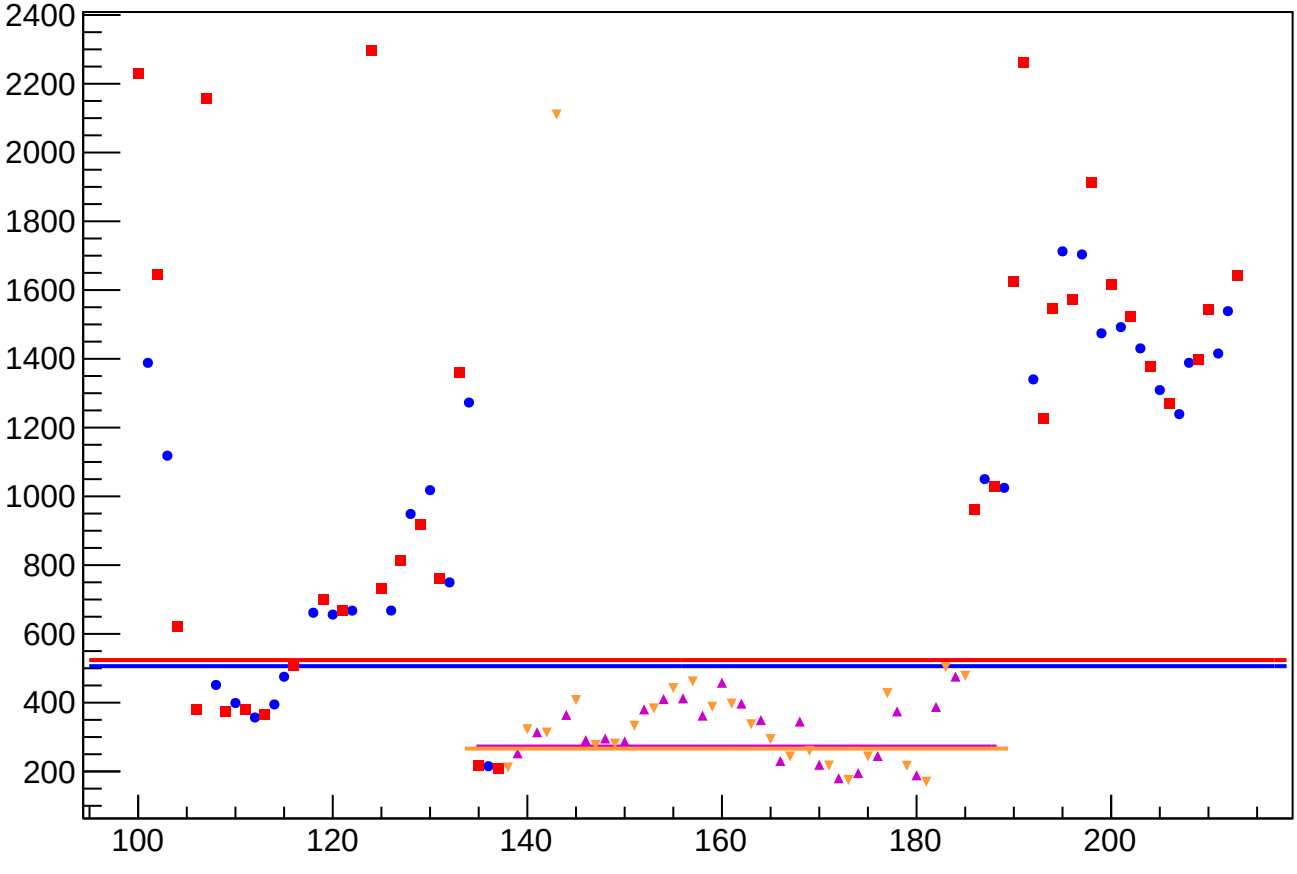
Right: -65.316+/-110.923 χ^2/NDF: 66.3/62

In: 28.863+/-61.625 χ^2/NDF:52.6/51

Out: -59.989+/-60.090 χ^2/NDF:80.9/58

All: -16.684+/-43.022 χ^2/NDF: 134.5/110

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 506.147+/-0.111 χ^2/NDF: 13696399.9/28

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

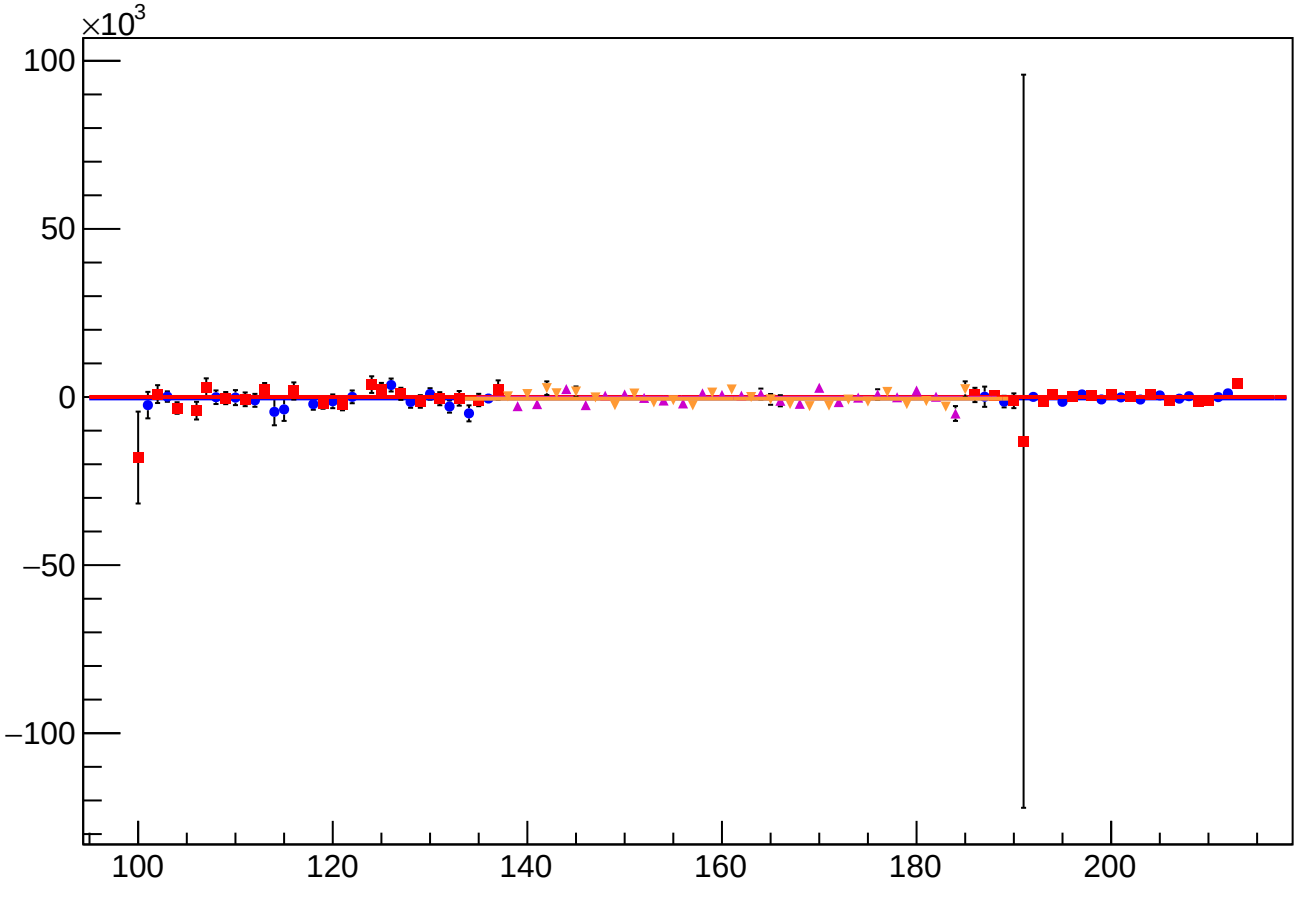
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 515.044+/-0.078 χ^2/NDF: 28288248.0/62

In: 308.397+/-0.044 χ^2/NDF:20335133.4/51

Out: 304.183+/-0.042 χ^2/NDF:23816701.5/58

All: 306.237+/-0.030 χ^2/NDF: 44156627.3/1



Right In: -403.388+/-308.068 χ^2/NDF: 17.9/28

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

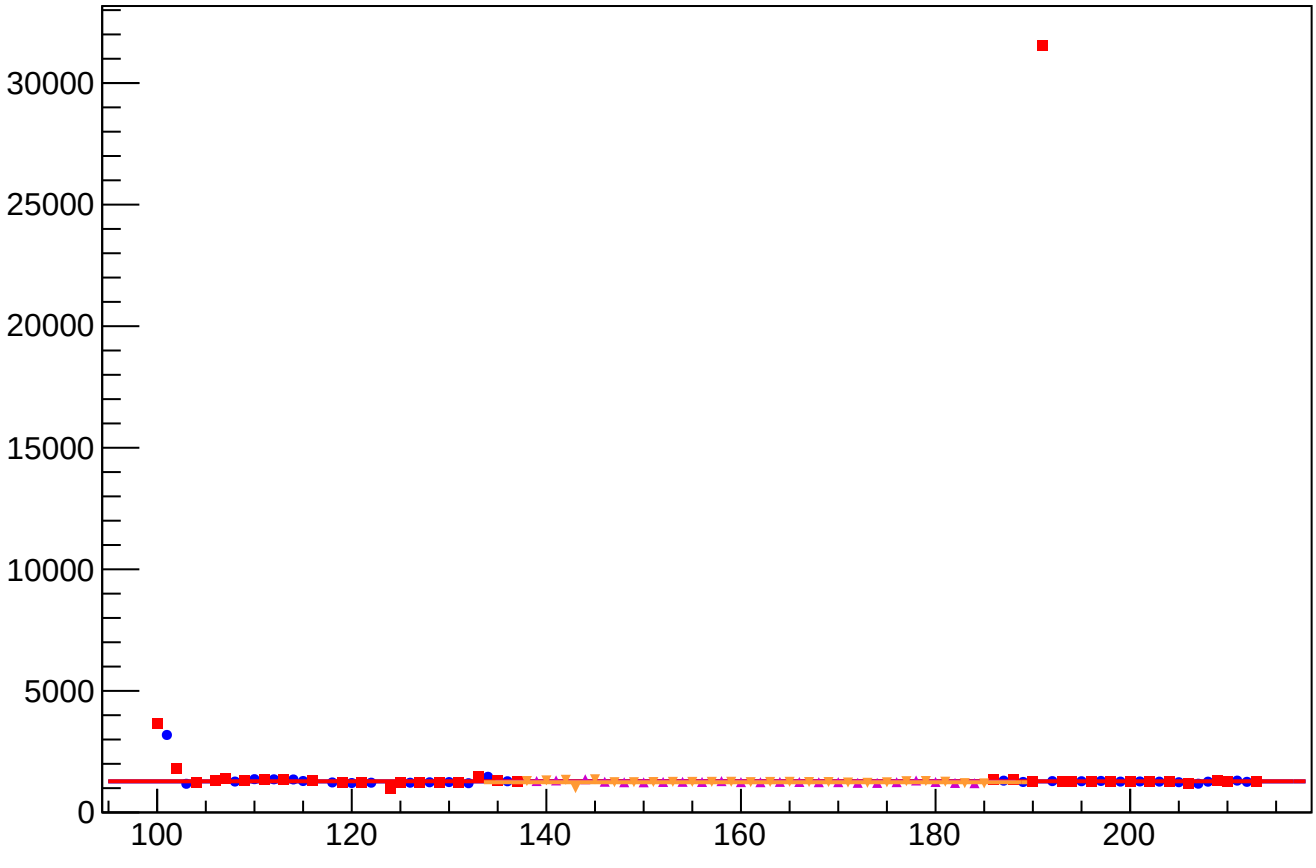
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -189.292+/-214.507 χ^2/NDF: 50.6/62

In: -319.020+/-212.817 χ^2/NDF:48.7/51

Out: -254.628+/-205.387 χ^2/NDF:67.5/58

All: -285.680+/-147.788 χ^2/NDF: 116.3/110



Right In: 1276.165+/-0.218 χ^2/NDF: 526367.5/28

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

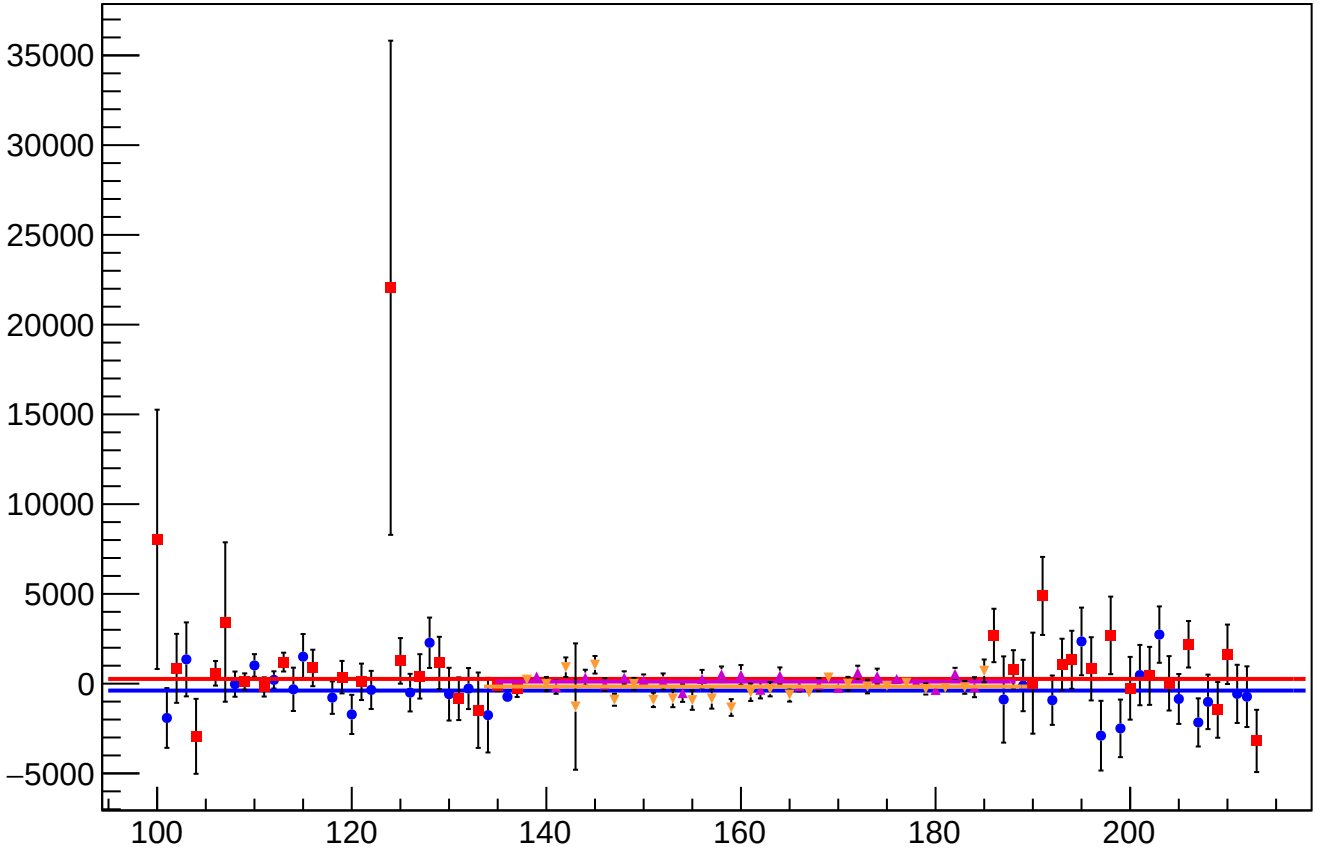
Right: 1279.266+/-0.152 χ^2/NDF: 914825.1/62

In: 1267.763+/-0.150 χ^2/NDF:557145.0/51

Out: 1261.263+/-0.145 χ^2/NDF:536659.6/58

All: 1264.398+/-0.105 χ^2/NDF: 1094770.4/11

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -386.016+/-158.637 χ^2/NDF: 30.5/28

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

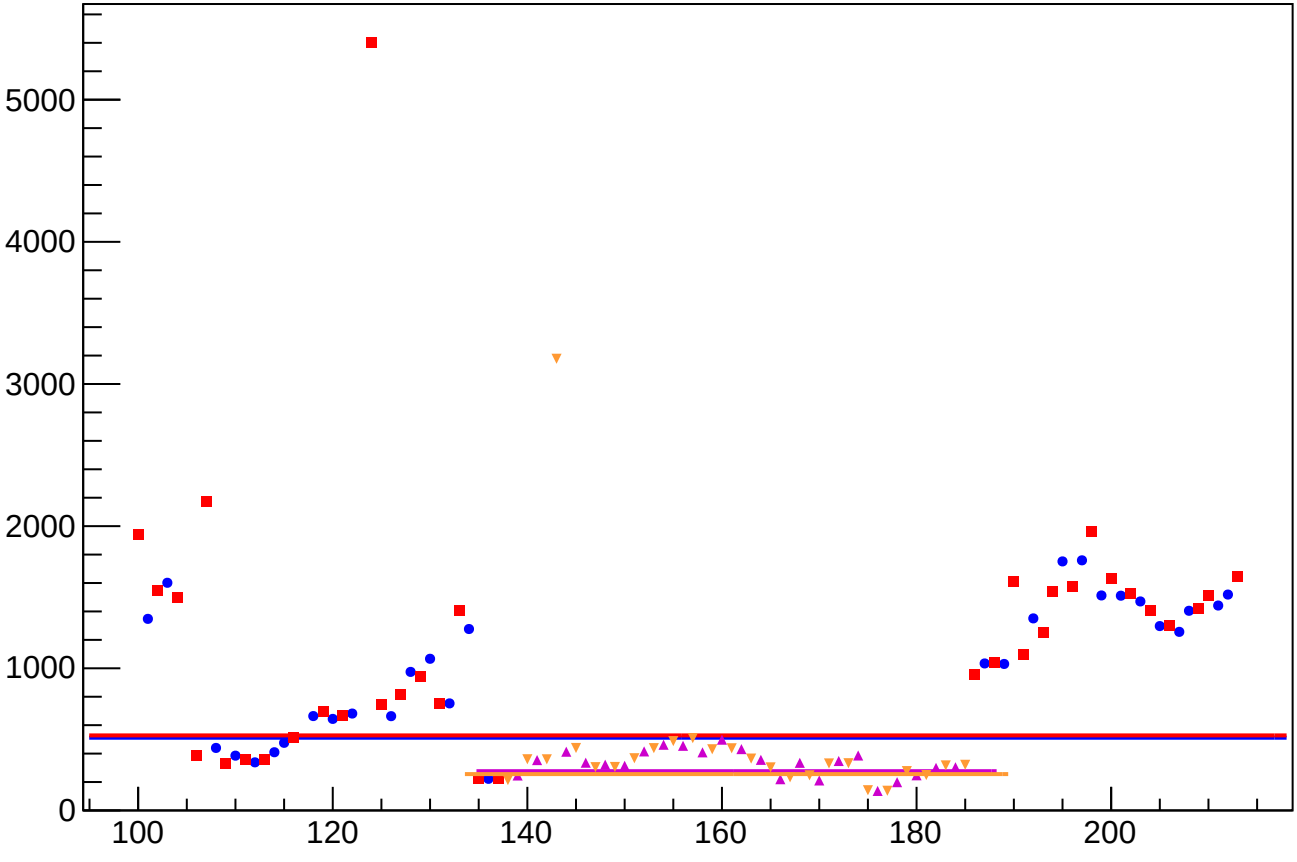
Right: -58.427+/-111.520 χ^2/NDF: 72.9/62

In: 34.528+/-63.151 χ^2/NDF:57.1/51

Out: -100.373+/-59.360 χ^2/NDF:84.0/58

All: -37.093+/-43.252 χ^2/NDF: 143.5/110

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 511.725+/-0.112 χ^2/NDF: 13833658.3/28

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

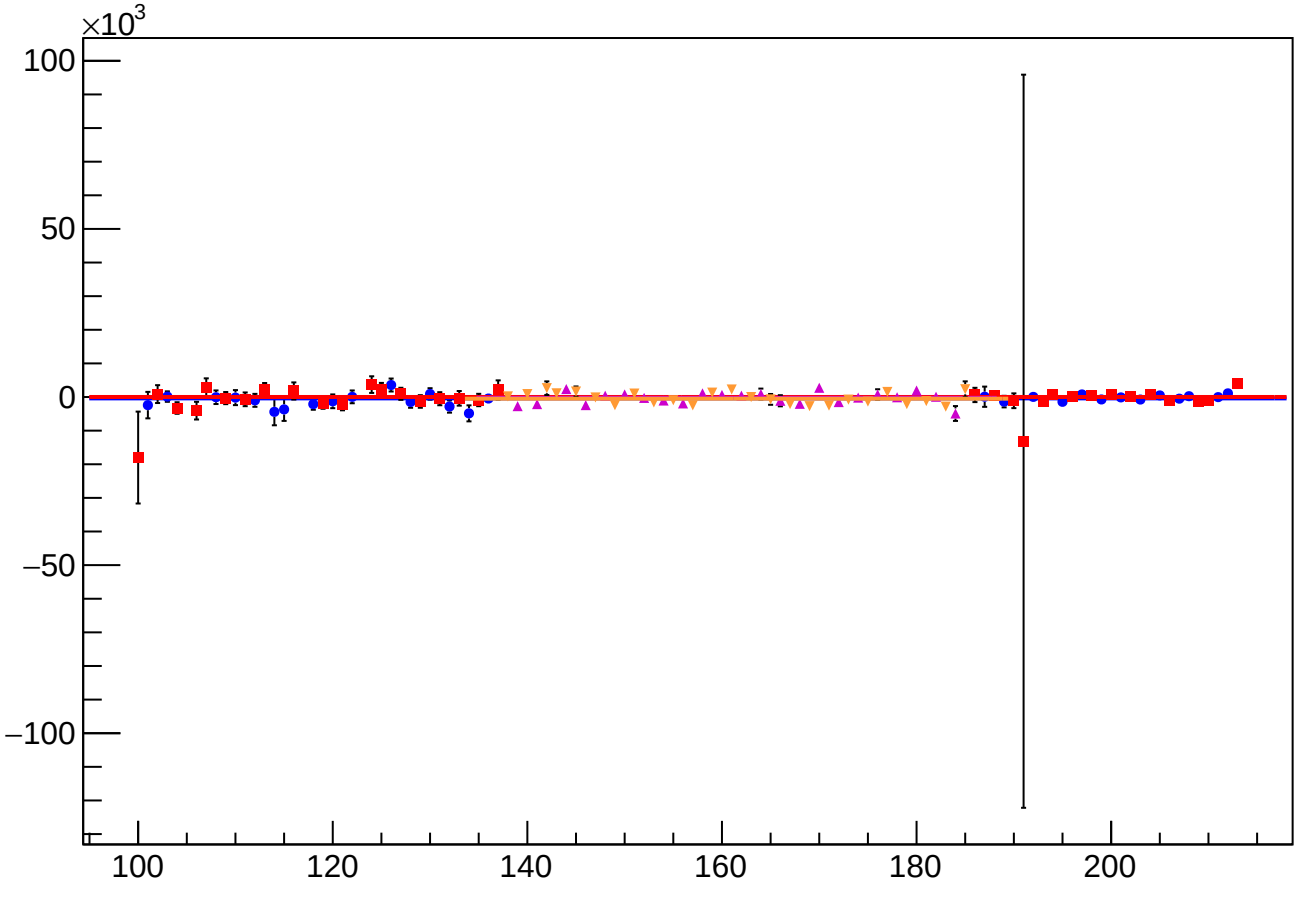
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 519.940+/-0.079 χ^2/NDF: 28932981.3/62

In: 313.607+/-0.045 χ^2/NDF:21567881.9/51

Out: 294.776+/-0.042 χ^2/NDF:26625735.2/58

All: 303.609+/-0.031 χ^2/NDF: 48288026.5/11



Right In: -403.387+/-308.068 χ^2/NDF: 17.9/28

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

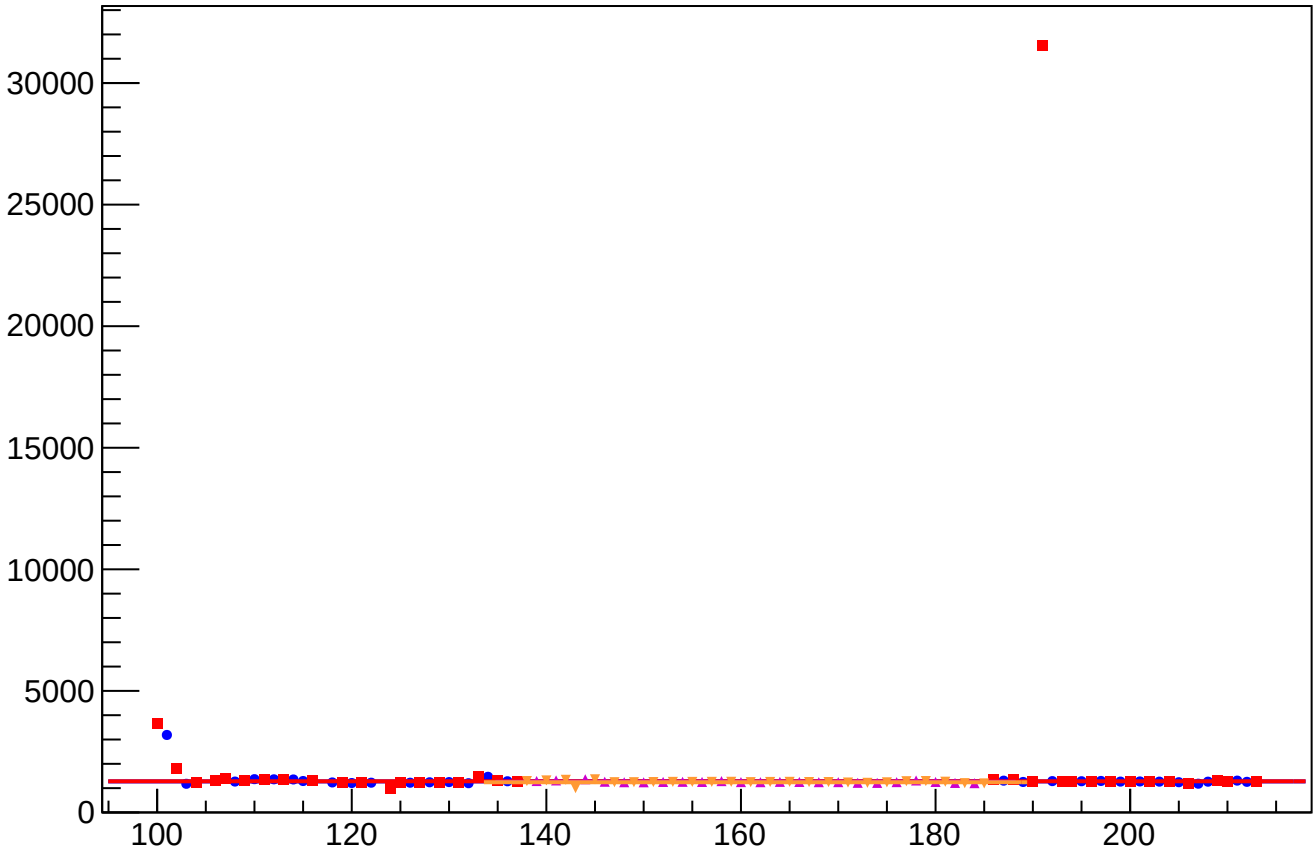
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -189.292+/-214.507 χ^2/NDF: 50.6/62

In: -319.020+/-212.817 χ^2/NDF:48.7/51

Out: -254.628+/-205.387 χ^2/NDF:67.5/58

All: -285.680+/-147.788 χ^2/NDF: 116.3/110



Right In: 1276.165+/-0.218 χ^2/NDF: 526367.5/28

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

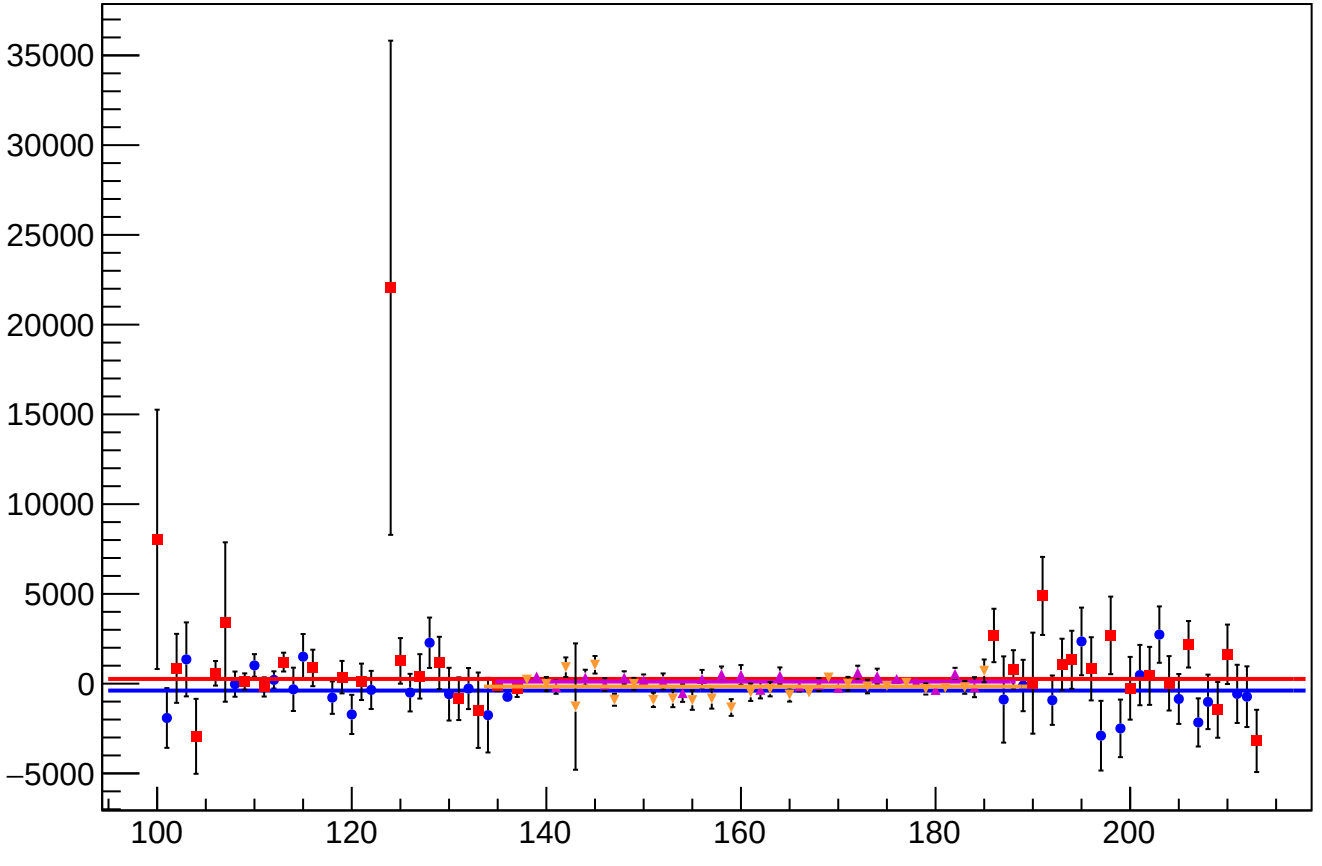
Right: 1279.266+/-0.152 χ^2/NDF: 914825.4/62

In: 1267.763+/-0.150 χ^2/NDF:557145.0/51

Out: 1261.263+/-0.145 χ^2/NDF:536659.0/58

All: 1264.398+/-0.105 χ^2/NDF: 1094769.9/11

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -386.018+/-158.640 χ^2/NDF: 30.5/28

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

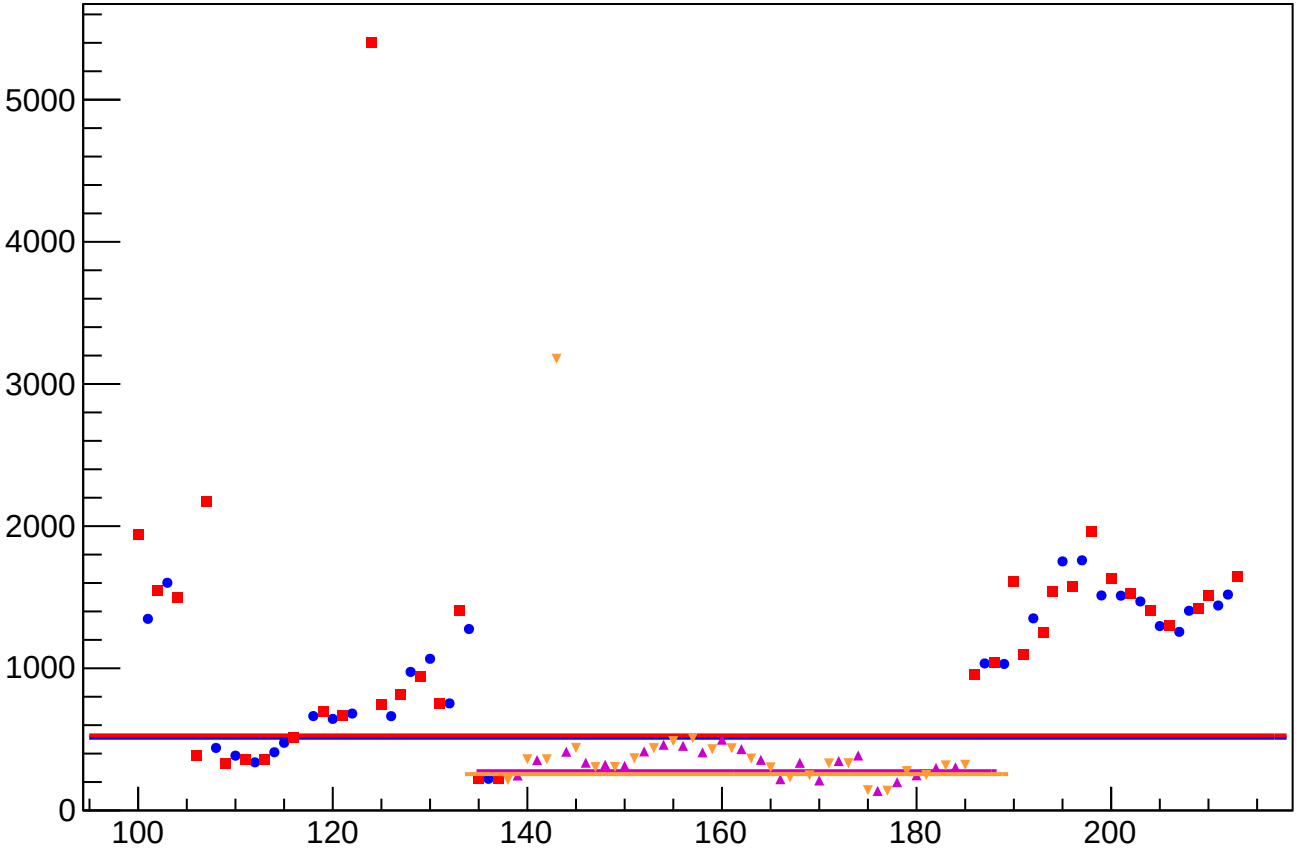
Right: -58.422+/-111.521 χ^2/NDF: 72.9/62

In: 34.528+/-63.151 χ^2/NDF:57.1/51

Out: -100.376+/-59.360 χ^2/NDF:84.0/58

All: -37.094+/-43.252 χ^2/NDF: 143.5/110

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 511.738+/-0.112 χ^2/NDF: 13833253.6/28

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

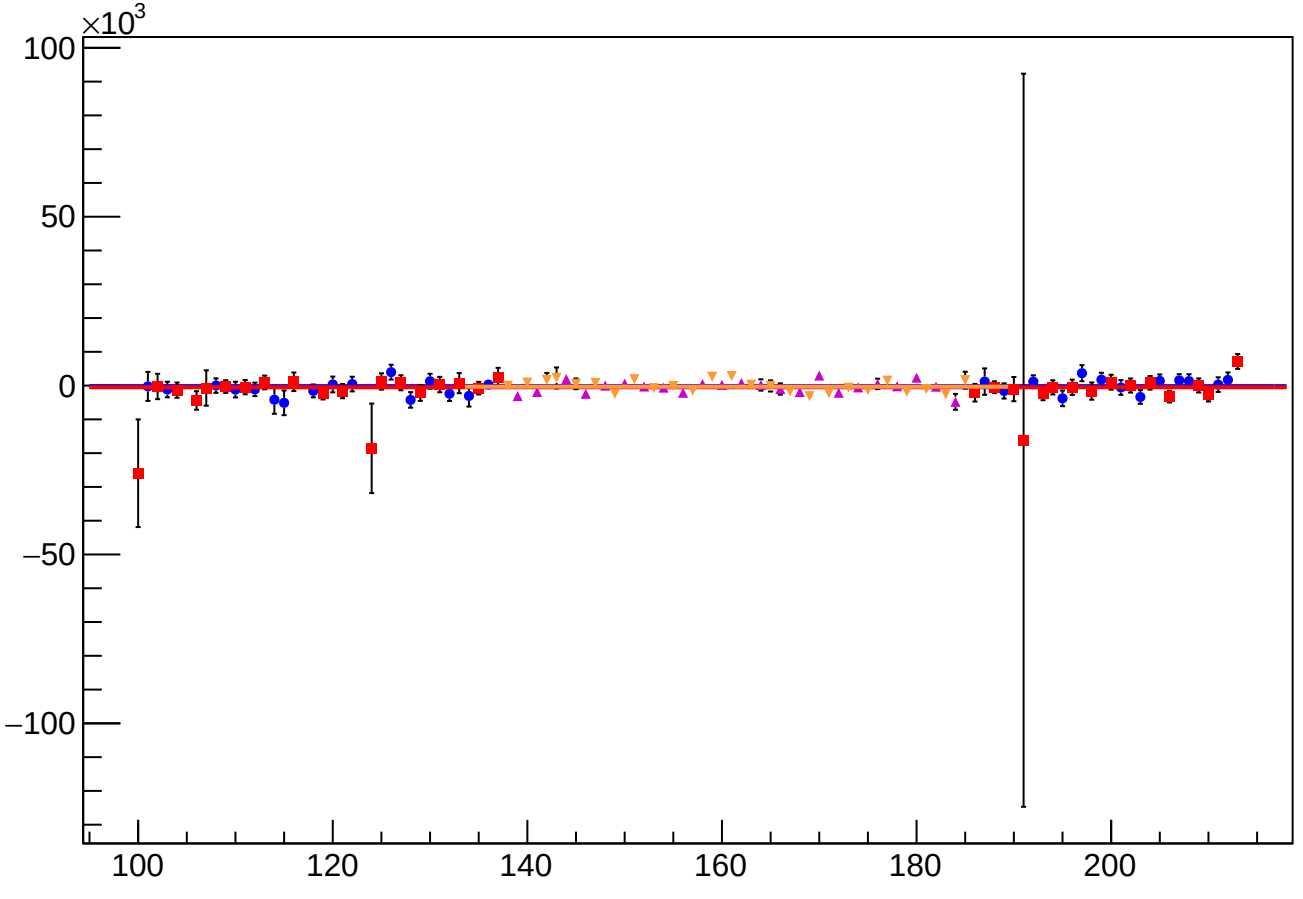
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 519.951+/-0.079 χ^2/NDF: 28932248.0/62

In: 313.608+/-0.045 χ^2/NDF:21567725.7/51

Out: 294.778+/-0.042 χ^2/NDF:26625532.0/58

All: 303.611+/-0.031 χ^2/NDF: 48287661.7/11



Right In: -156.911+/-409.831 χ^2/NDF: 25.4/28

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

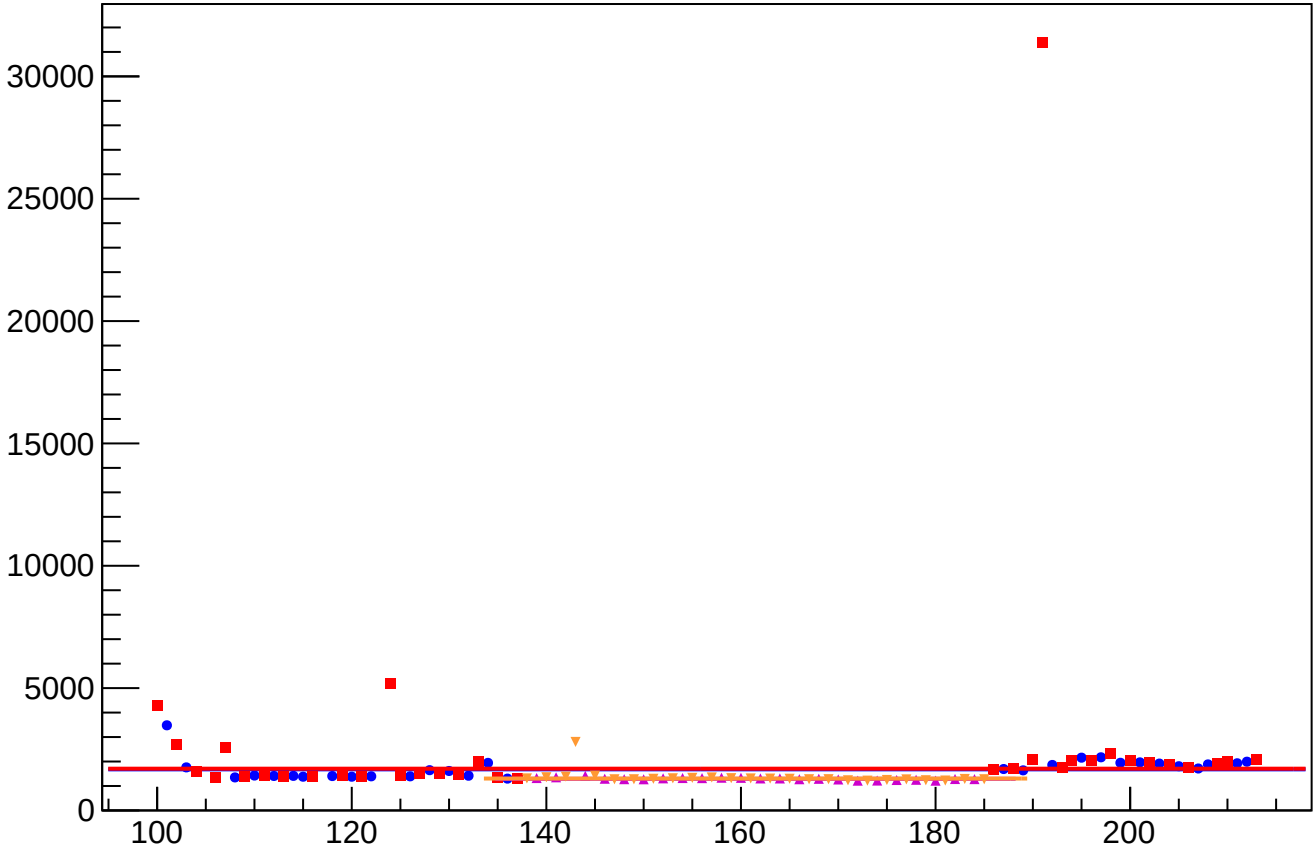
Right: -329.549+/-287.593 χ^2/NDF: 54.9/62

In: -286.218+/-243.070 χ^2/NDF:55.2/51

Out: -382.356+/-239.890 χ^2/NDF:60.8/58

All: -334.920+/-170.741 χ^2/NDF: 116.1/110

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1679.481+/-0.290 χ^2/NDF: 1201115.5/28

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

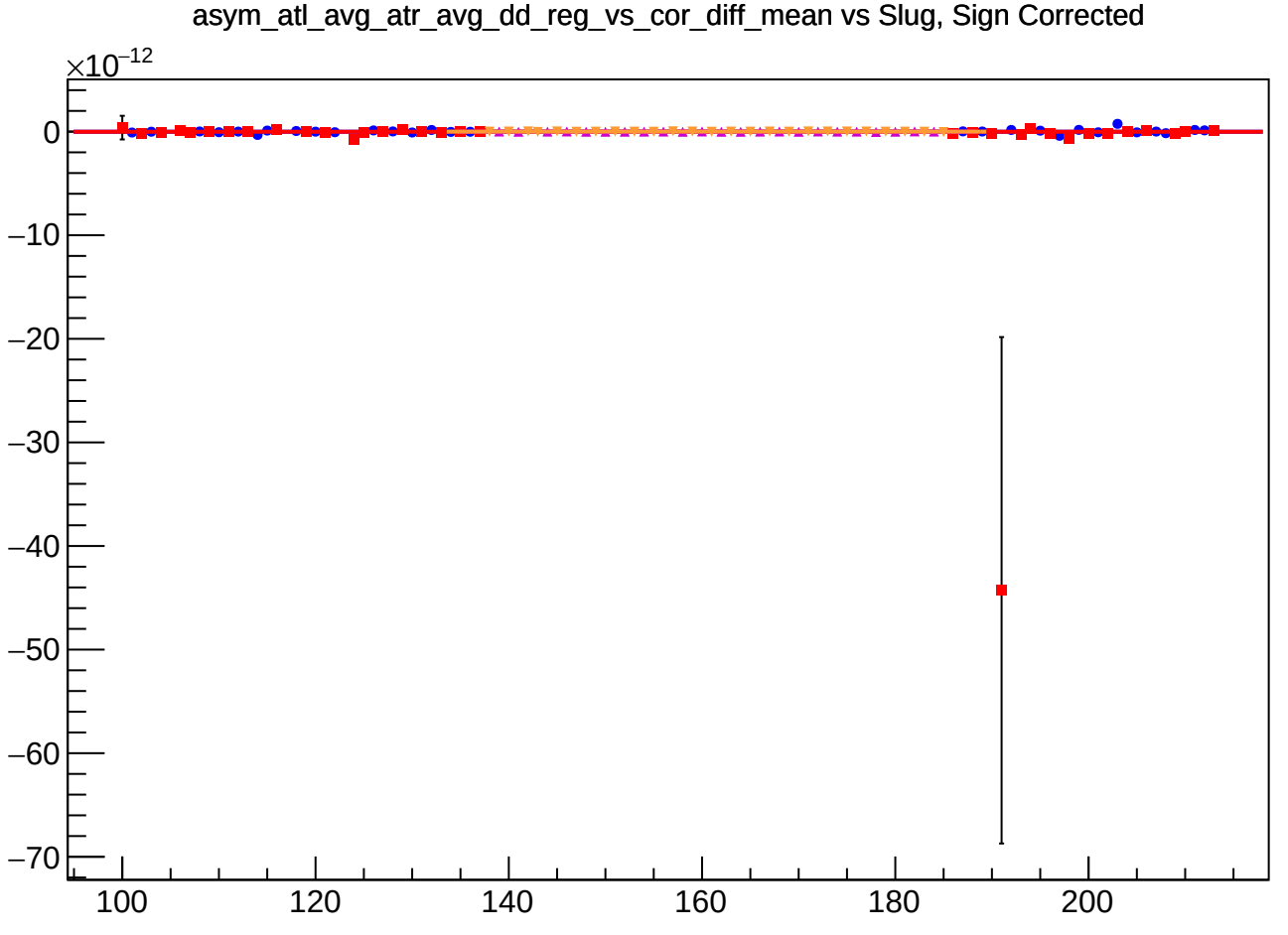
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1693.420+/-0.203 χ^2/NDF: 2711027.3/62

In: 1428.383+/-0.172 χ^2/NDF:2407640.3/51

Out: 1446.402+/-0.170 χ^2/NDF:3312990.1/58

All: 1437.511+/-0.121 χ^2/NDF: 5726198.2/11



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/28

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

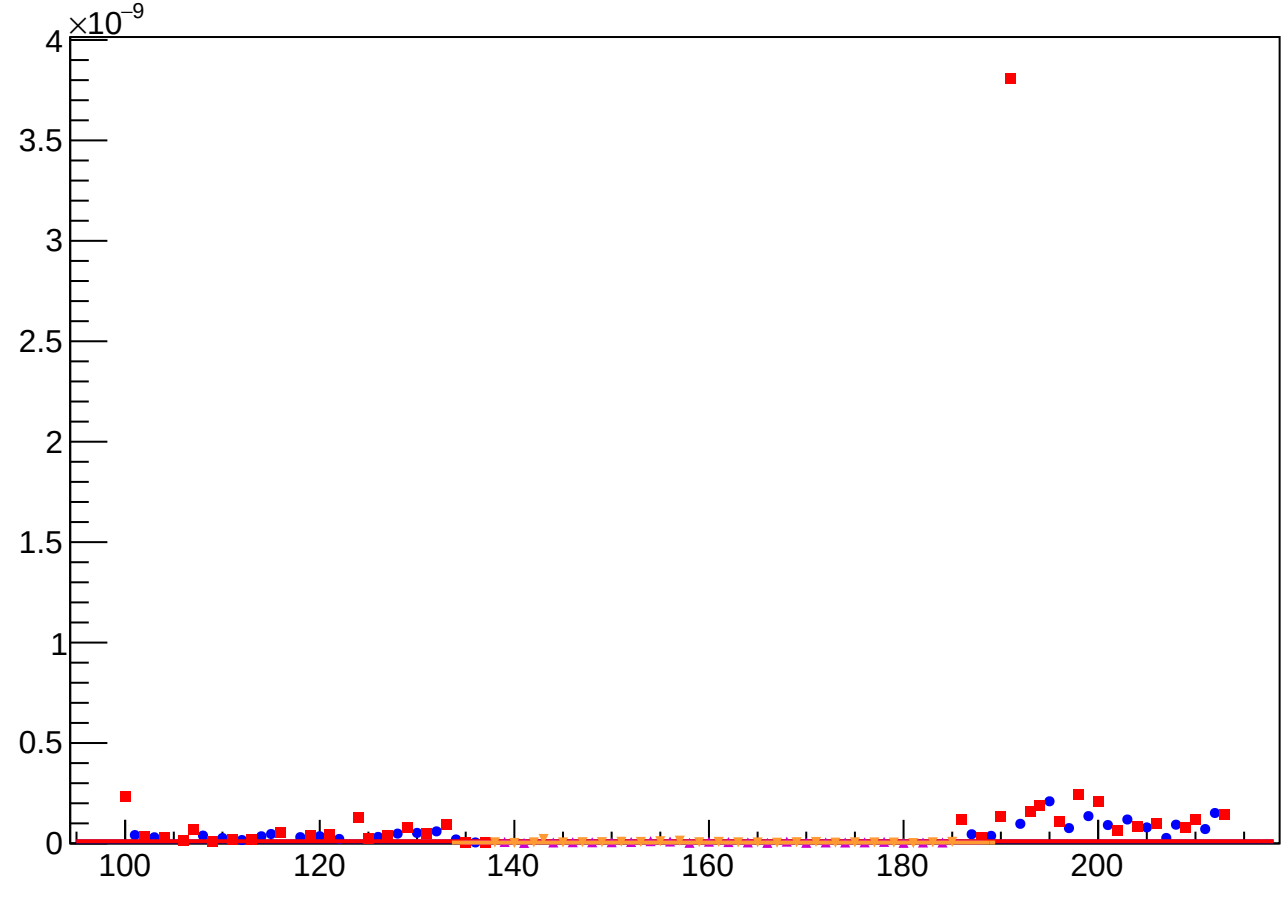
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 70.1/62

In: -0.000+/-0.000 χ^2/NDF:62.8/51

Out: -0.000+/-0.000 χ^2/NDF:65.9/58

All: -0.000+/-0.000 χ^2/NDF: 129.1/110



Right In: 0.000+/-0.000 χ^2/NDF: 8650559.6/28

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

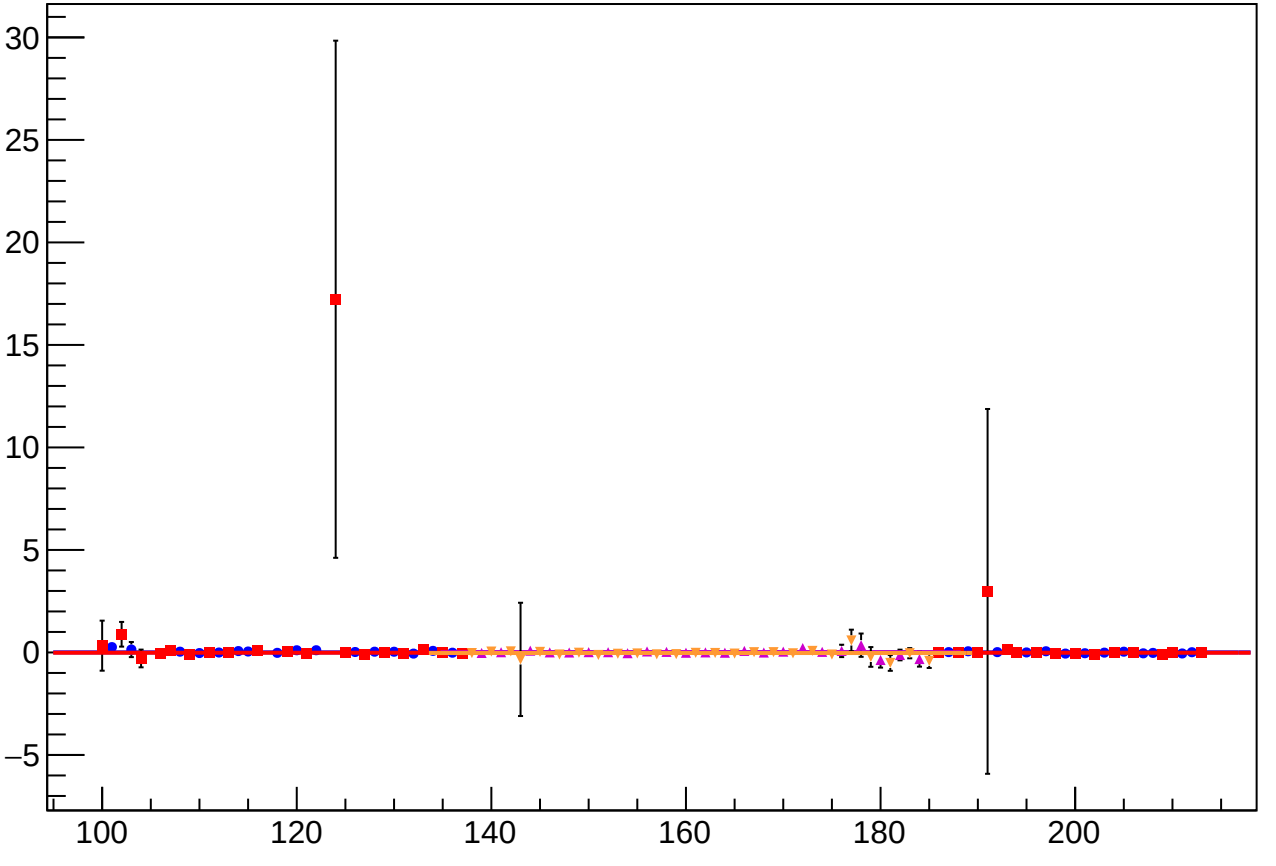
Right: 0.000+/-0.000 χ^2/NDF: 19985312.0/62

In: 0.000+/-0.000 χ^2/NDF:11573954.9/51

Out: 0.000+/-0.000 χ^2/NDF:15324544.1/58

All: 0.000+/-0.000 χ^2/NDF: 26926679.7/110

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.011 χ^2/NDF: 16.9/28

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

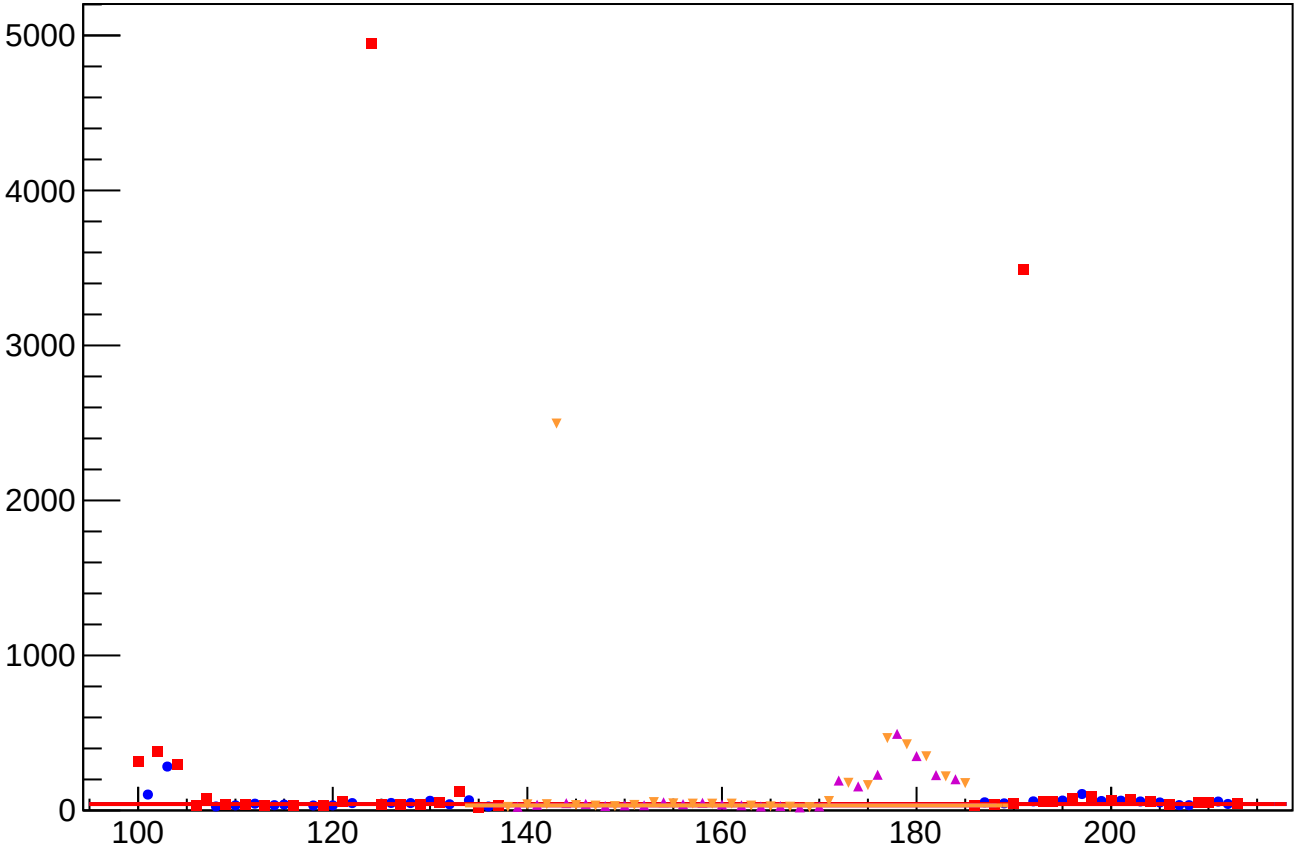
Right: -0.005+/-0.008 χ^2/NDF: 44.9/62

In: 0.008+/-0.007 χ^2/NDF:30.3/51

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.6/110

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.565+/-0.008 χ^2/NDF: 4250880.0/28

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

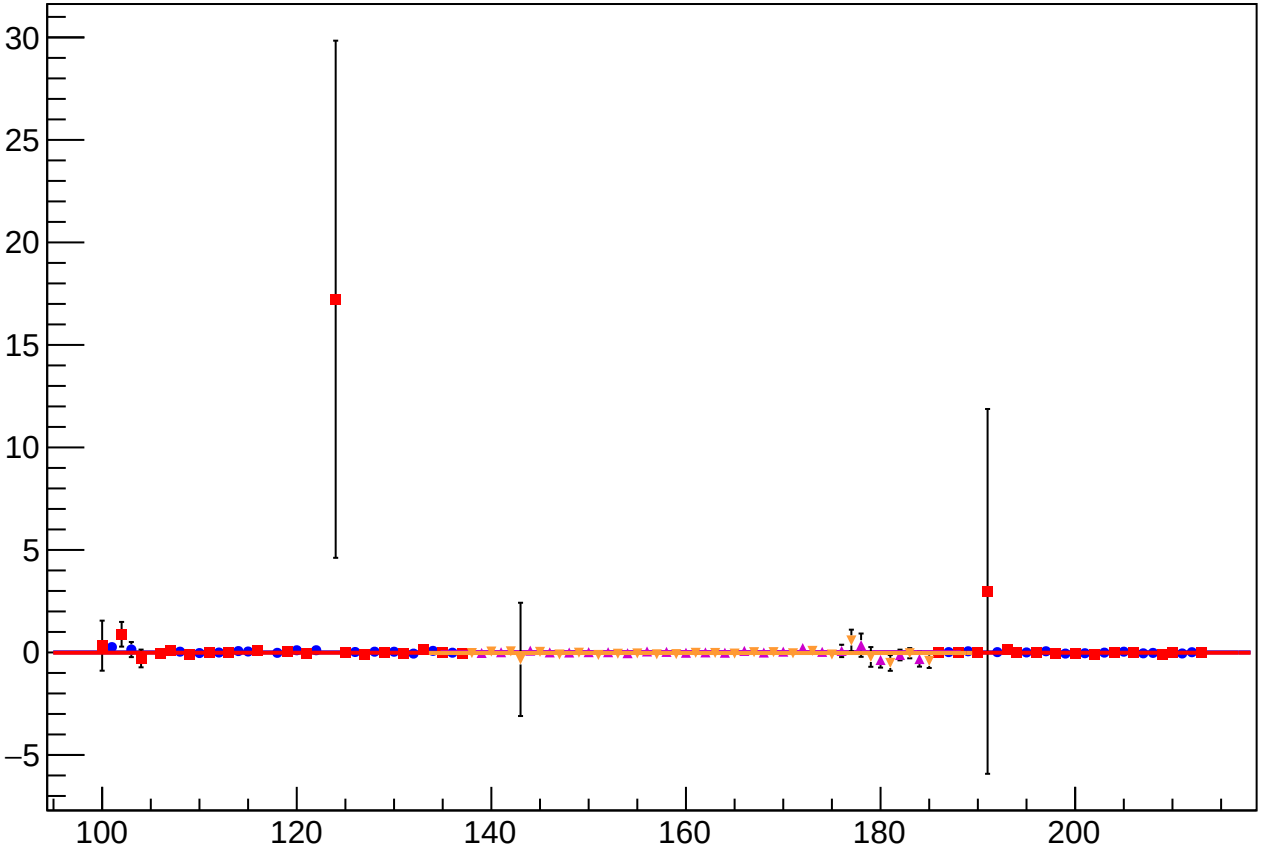
Right: 41.418+/-0.006 χ^2/NDF: 9774961.6/62

In: 36.364+/-0.005 χ^2/NDF:13923340.2/51

Out: 36.280+/-0.005 χ^2/NDF:17114204.2/58

All: 36.321+/-0.004 χ^2/NDF: 31037678.7/110

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.011 χ^2/NDF: 16.9/28

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

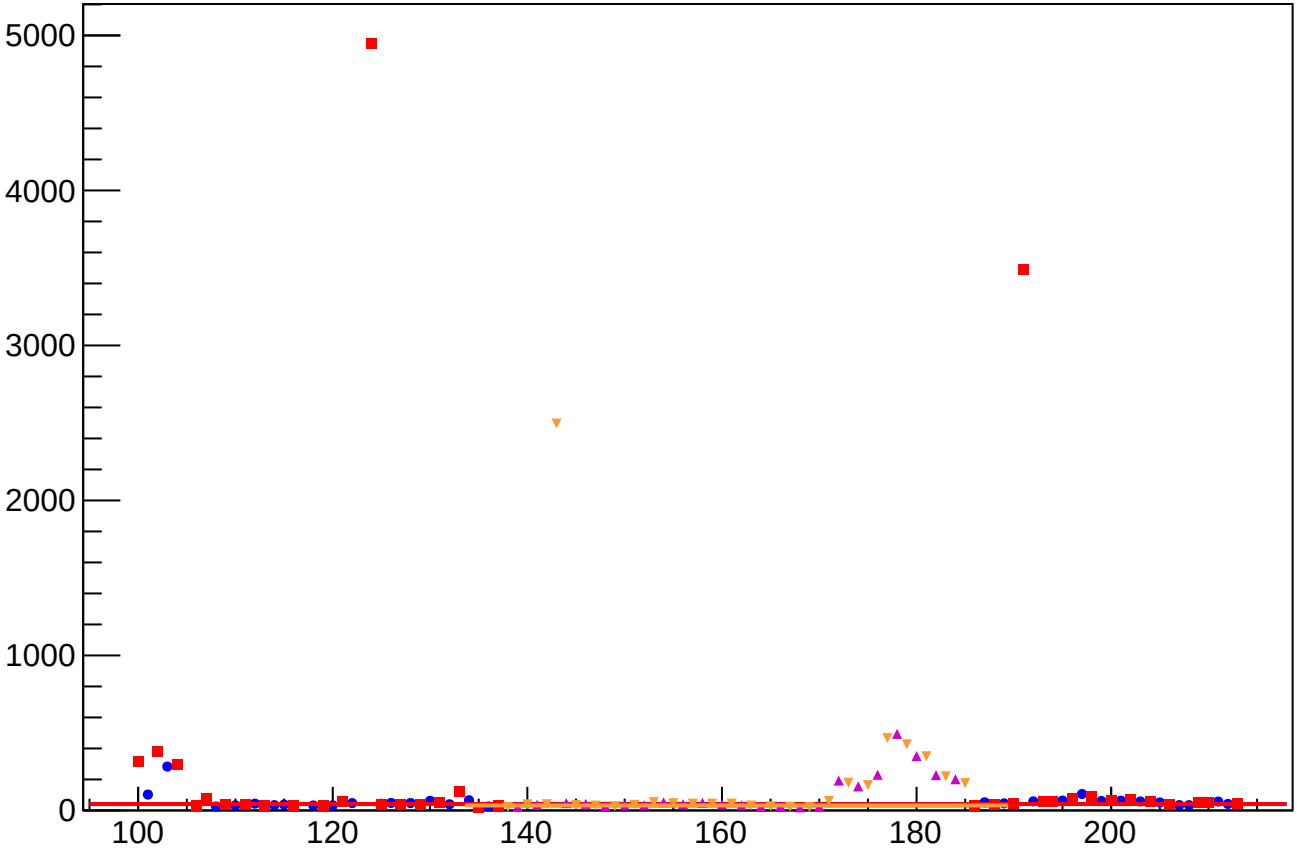
Right: -0.005+/-0.008 χ^2/NDF: 44.9/62

In: 0.008+/-0.007 χ^2/NDF:30.3/51

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.6/110

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.565+/-0.008 χ^2/NDF: 4250880.0/28

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

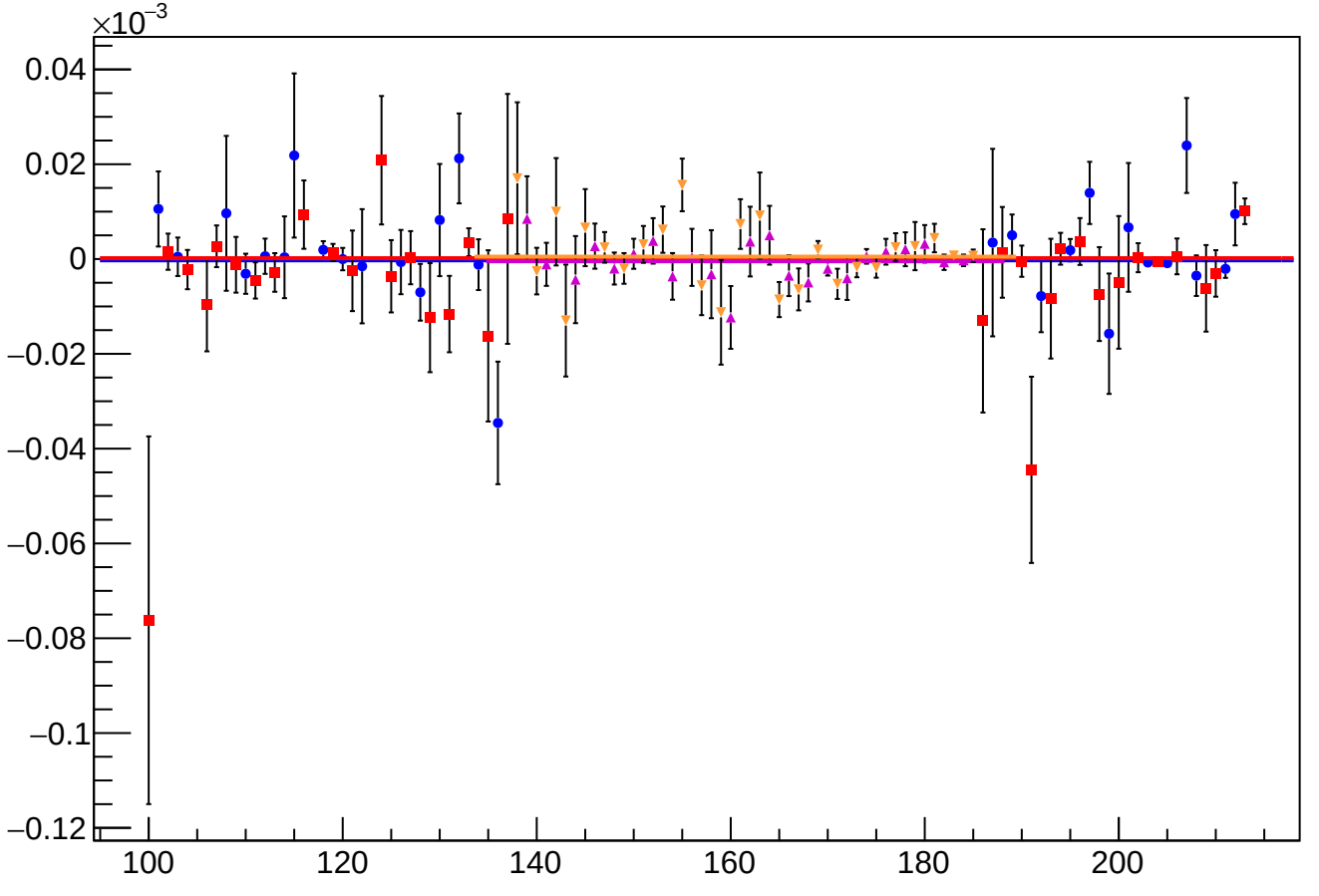
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.418+/-0.006 χ^2/NDF: 9774961.6/62

In: 36.364+/-0.005 χ^2/NDF:13923340.2/51

Out: 36.280+/-0.005 χ^2/NDF:17114204.2/58

All: 36.321+/-0.004 χ^2/NDF: 31037678.7/110



Right In: -0.000+/-0.000 χ^2/NDF: 39.9/28

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

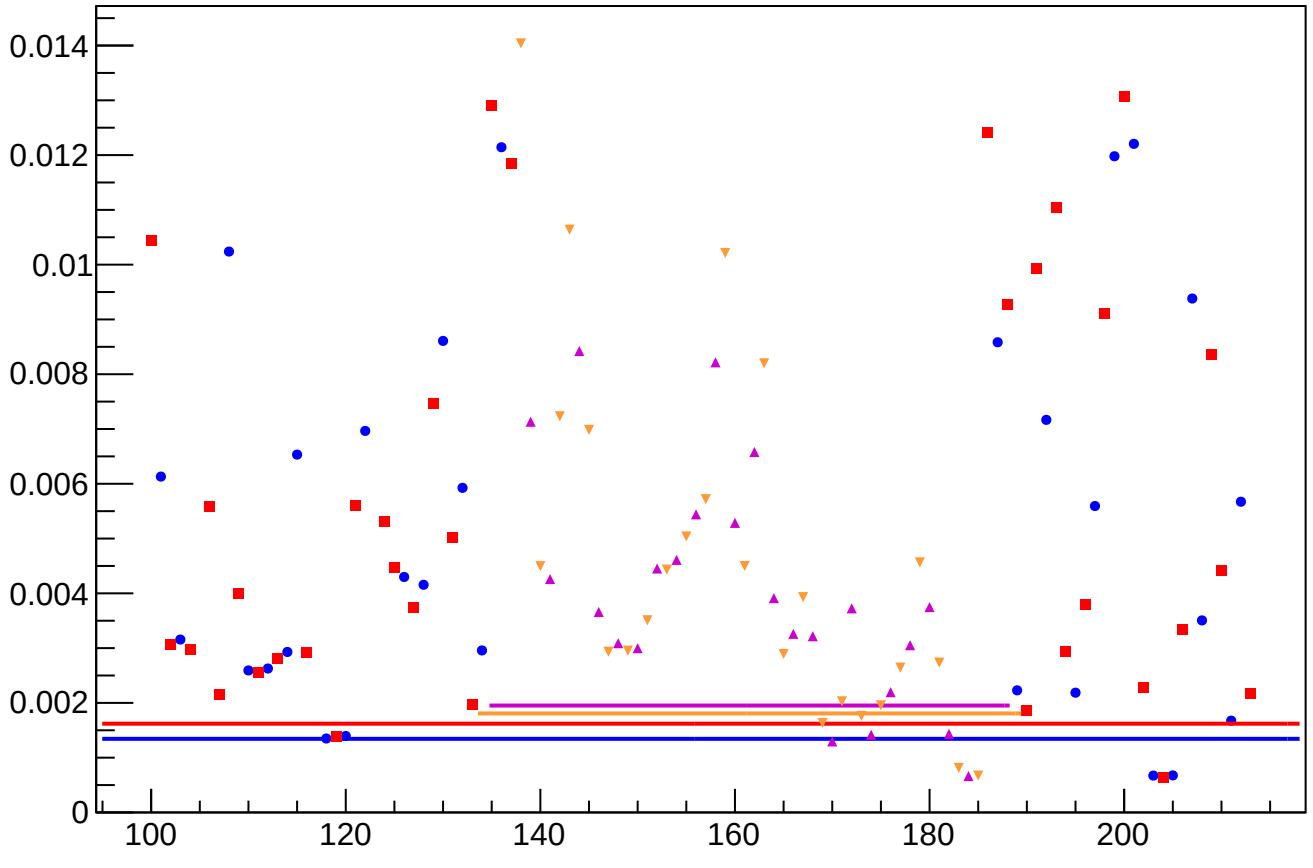
Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

Right: -0.000+/-0.000 χ^2/NDF: 81.1/62

In: -0.000+/-0.000 χ^2/NDF:53.6/51

Out: 0.000+/-0.000 χ^2/NDF:76.8/58

All: -0.000+/-0.000 χ^2/NDF: 132.0/110



Right In: 0.001+/-0.000 χ^2/NDF: 16812753.8/28

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

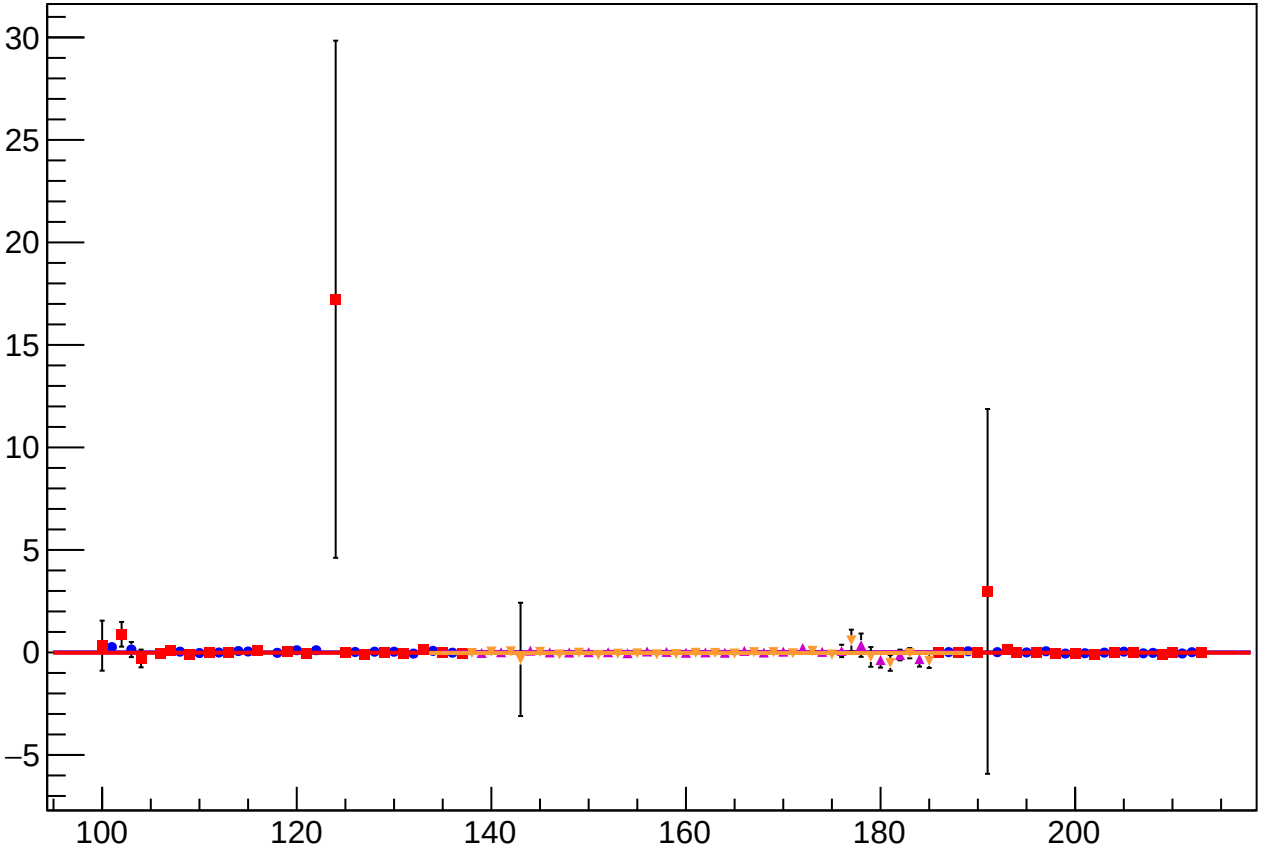
Right: 0.001+/-0.000 χ^2/NDF: 34377167.9/62

In: 0.002+/-0.000 χ^2/NDF:29544941.1/51

Out: 0.002+/-0.000 χ^2/NDF:32341364.6/58

All: 0.002+/-0.000 χ^2/NDF: 61983275.6/110

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.011 χ^2/NDF: 16.9/28

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

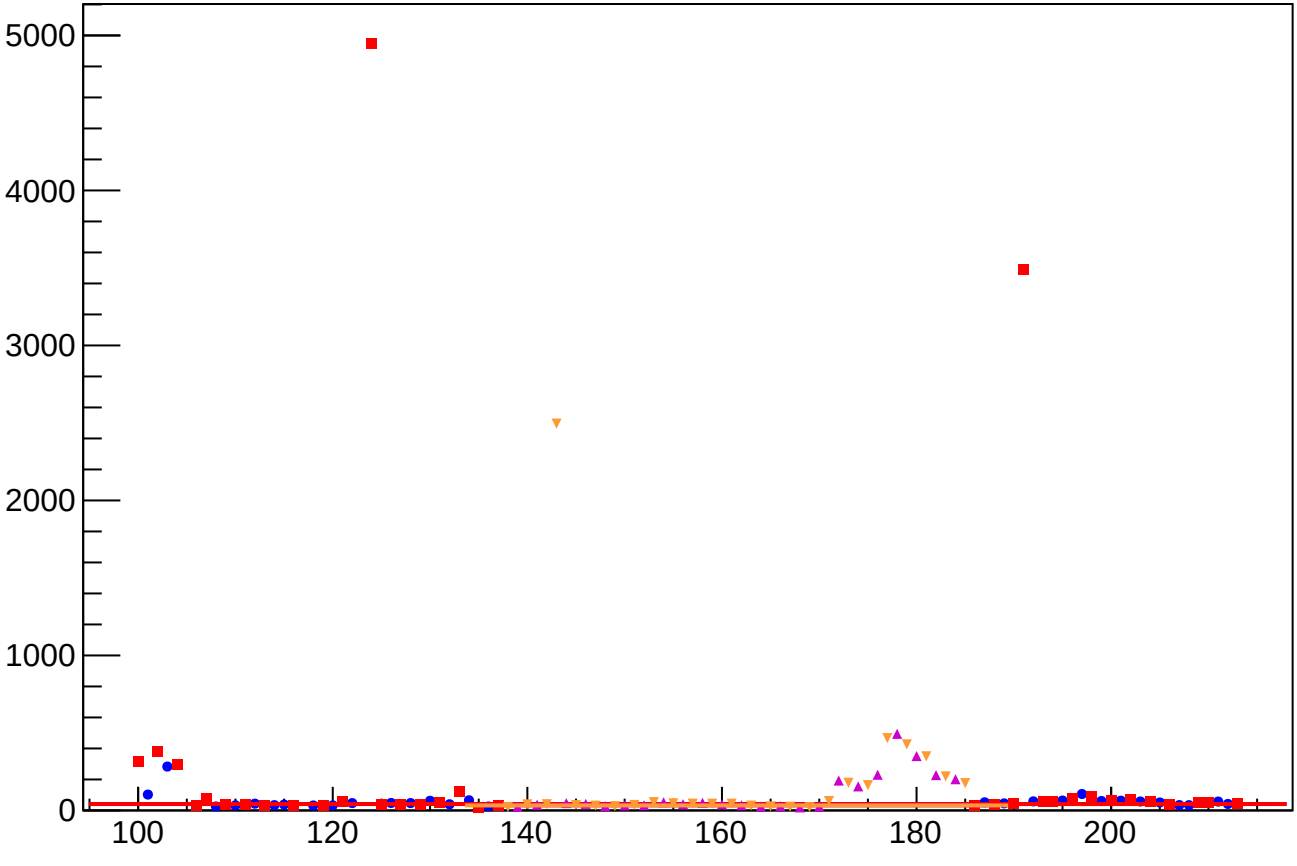
Right: -0.005+/-0.008 χ^2/NDF: 44.9/62

In: 0.008+/-0.007 χ^2/NDF:30.3/51

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.6/110

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.565+/-0.008 χ^2/NDF: 4250536.7/28

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

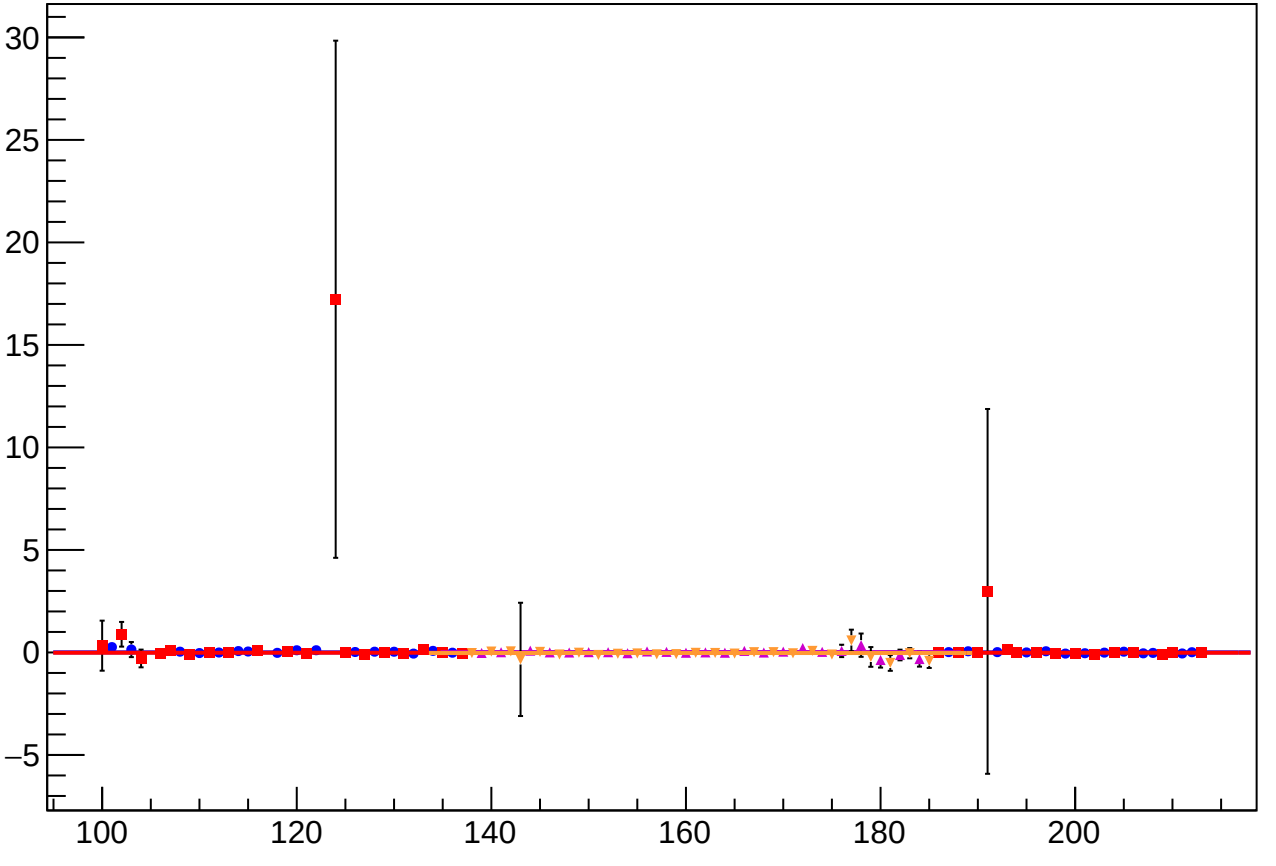
Right: 41.419+/-0.006 χ^2/NDF: 9774414.1/62

In: 36.363+/-0.005 χ^2/NDF:13923888.7/51

Out: 36.280+/-0.005 χ^2/NDF:17114302.3/58

All: 36.321+/-0.004 χ^2/NDF: 31038323.2/110

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.011 χ^2/NDF: 16.9/28

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

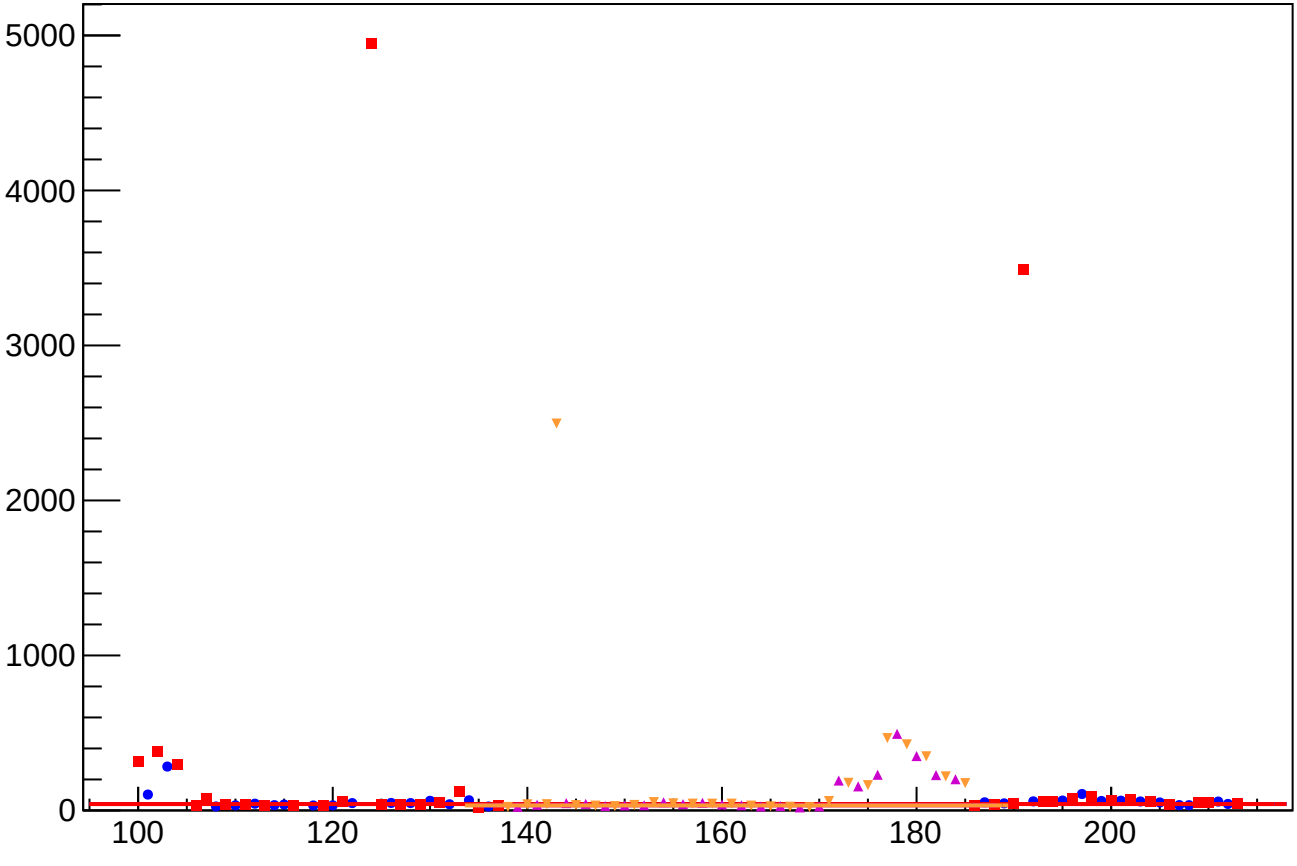
Right: -0.005+/-0.008 χ^2/NDF: 44.9/62

In: 0.008+/-0.007 χ^2/NDF:30.3/51

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.6/110

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.565+/-0.008 χ^2/NDF: 4250536.7/28

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

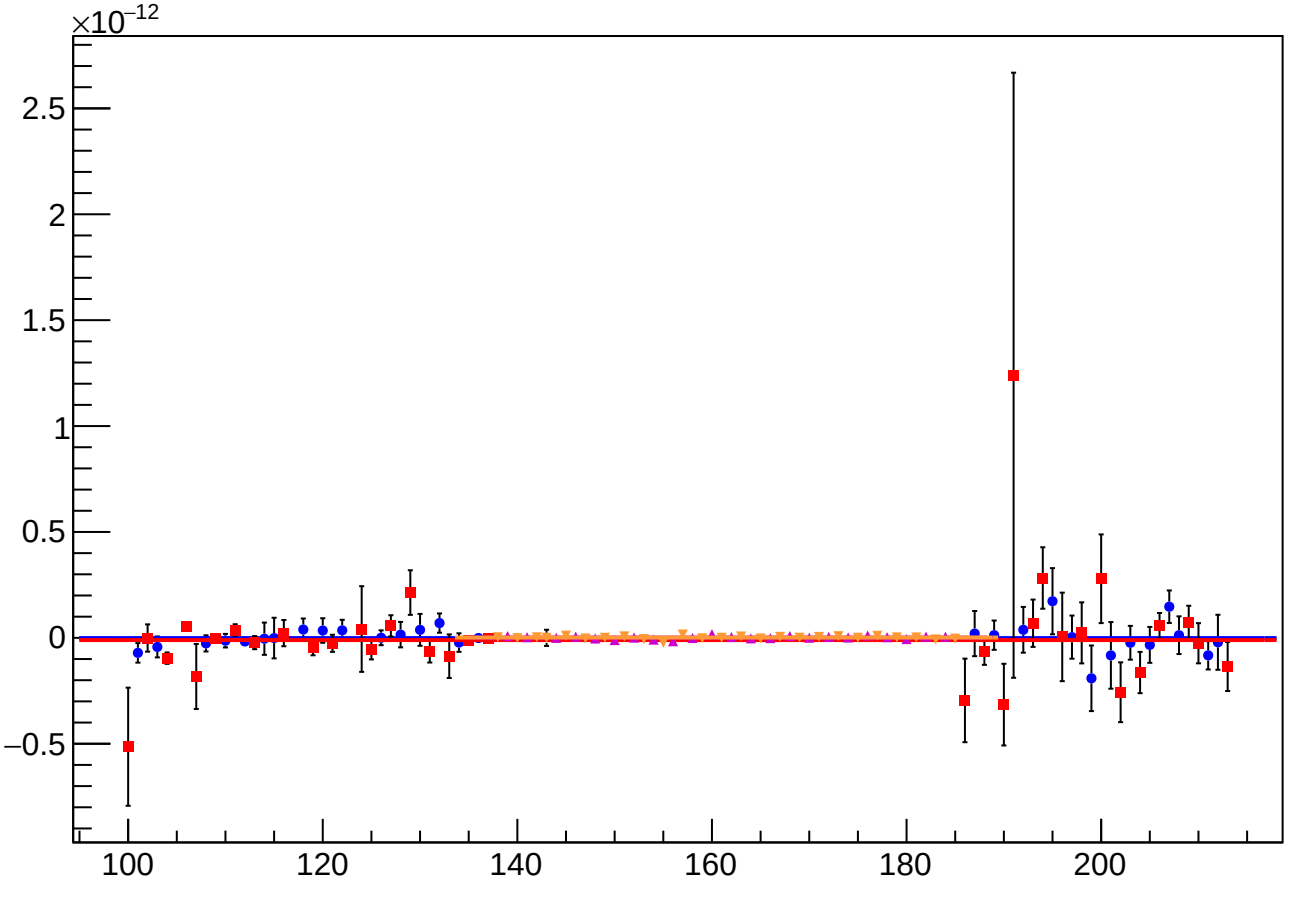
Right: 41.419+/-0.006 χ^2/NDF: 9774414.1/62

In: 36.363+/-0.005 χ^2/NDF:13923888.7/51

Out: 36.280+/-0.005 χ^2/NDF:17114302.3/58

All: 36.321+/-0.004 χ^2/NDF: 31038323.2/110

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/28

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

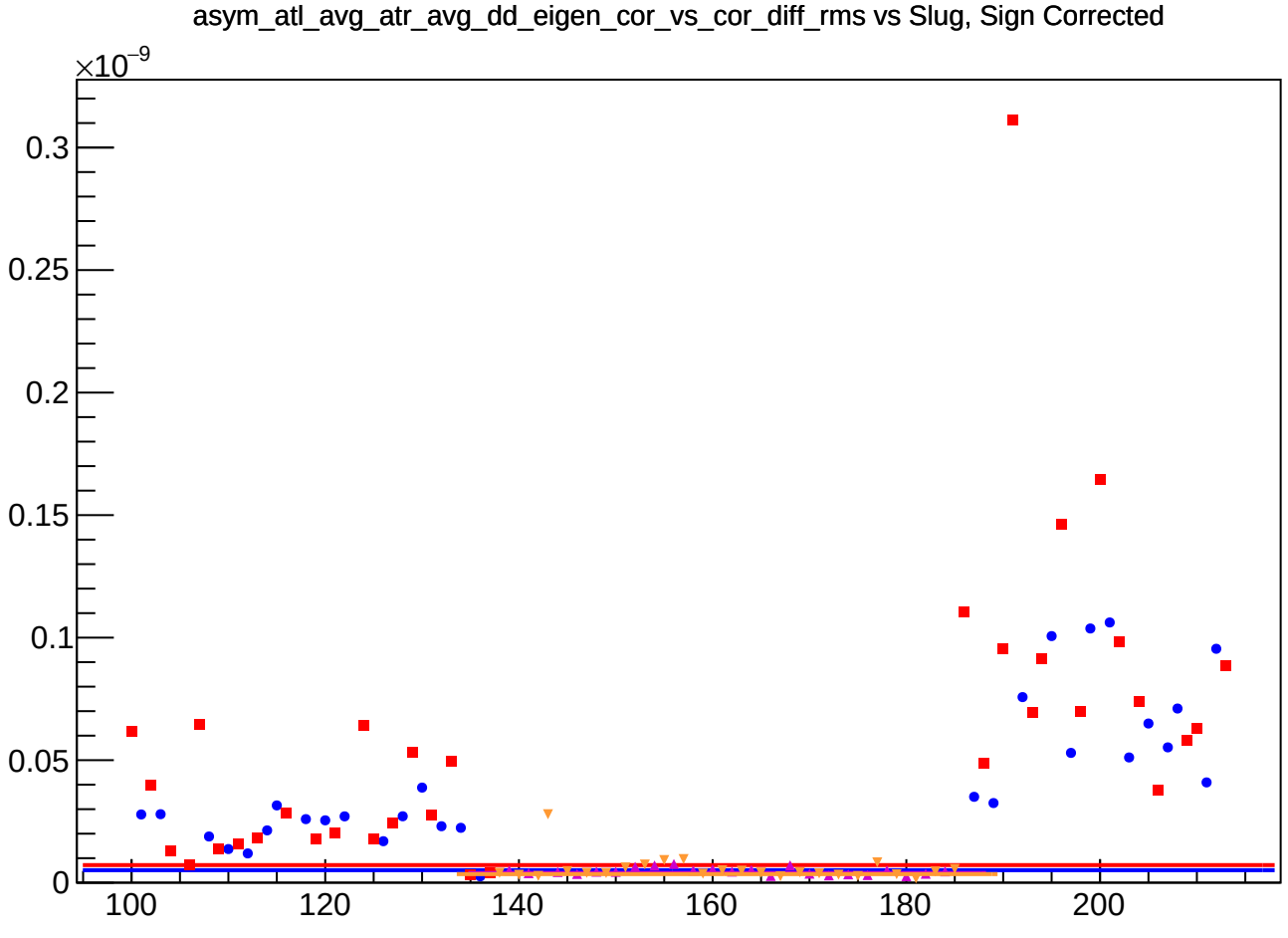
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 81.7/62

In: 0.000+/-0.000 χ^2/NDF:46.5/51

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 133.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 14526832.2/28

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

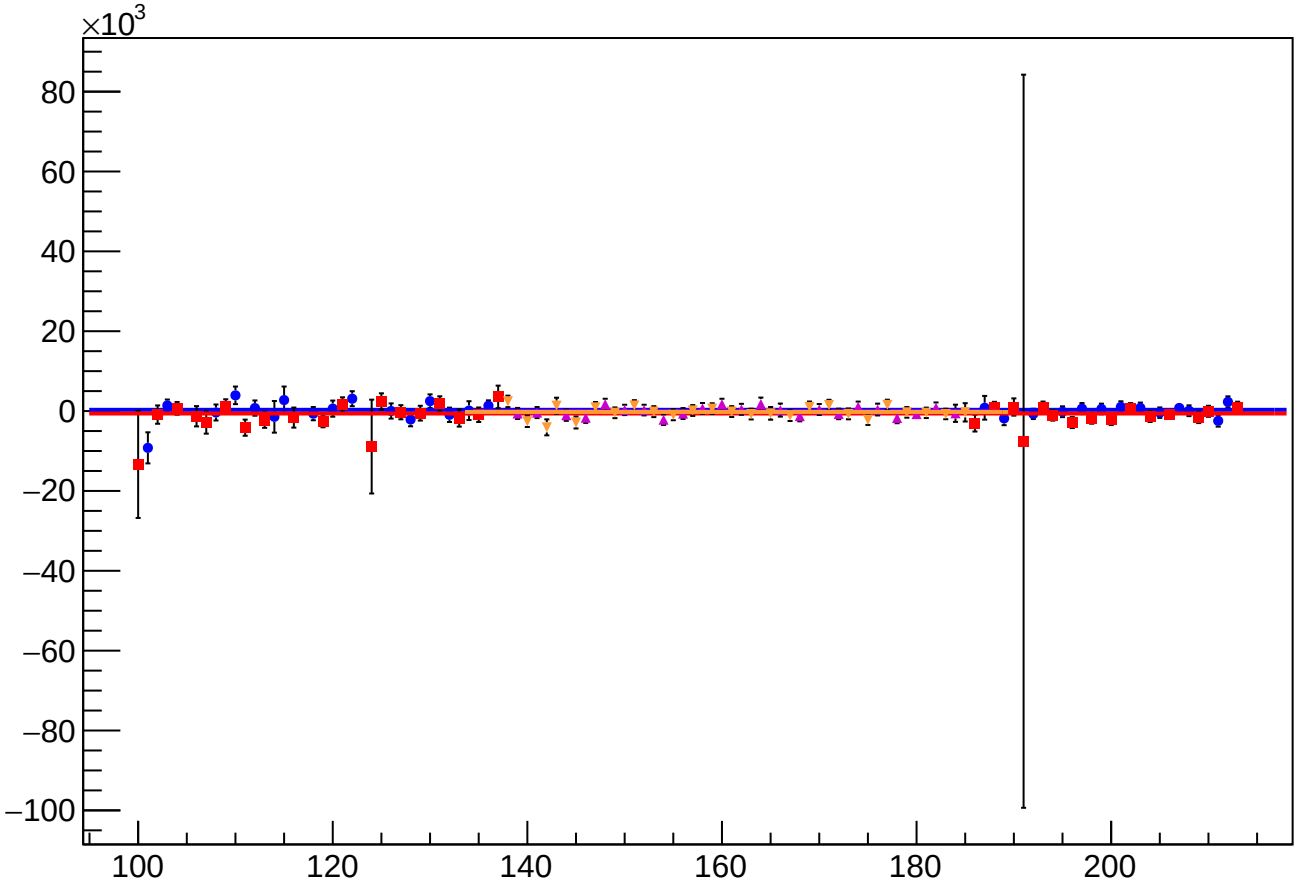
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 30243393.9/62

In: 0.000+/-0.000 χ^2/NDF:16799565.2/51

Out: 0.000+/-0.000 χ^2/NDF:21599697.2/58

All: 0.000+/-0.000 χ^2/NDF: 38521863.8/110



Right In: 317.126+/-303.954 χ^2/NDF: 26.4/28

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

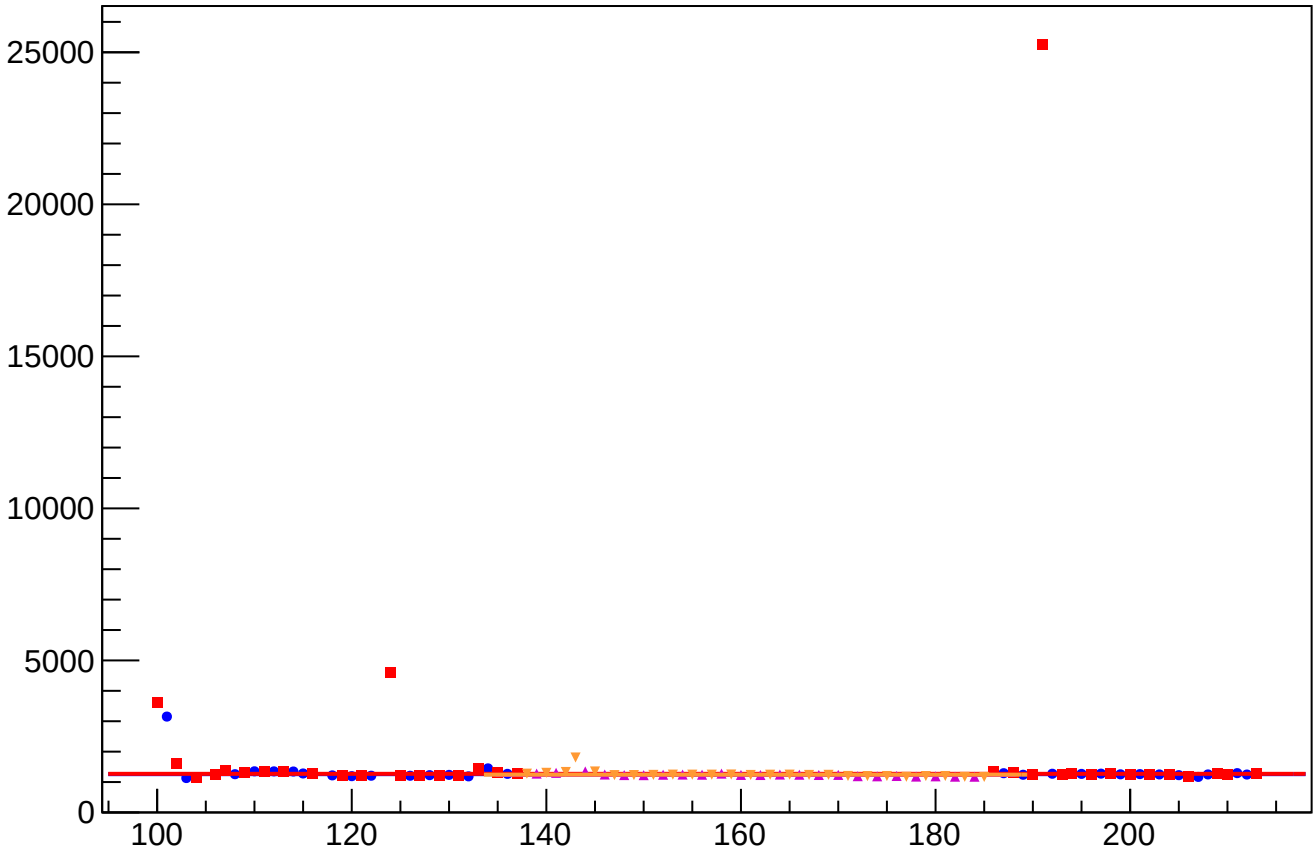
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -158.882+/-212.085 χ^2/NDF: 60.7/62

In: 101.486+/-209.142 χ^2/NDF:42.0/51

Out: -406.860+/-204.596 χ^2/NDF:54.3/58

All: -158.273+/-146.252 χ^2/NDF: 99.4/110



Right In: 1259.014+/-0.215 χ^2/NDF: 535192.0/28

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

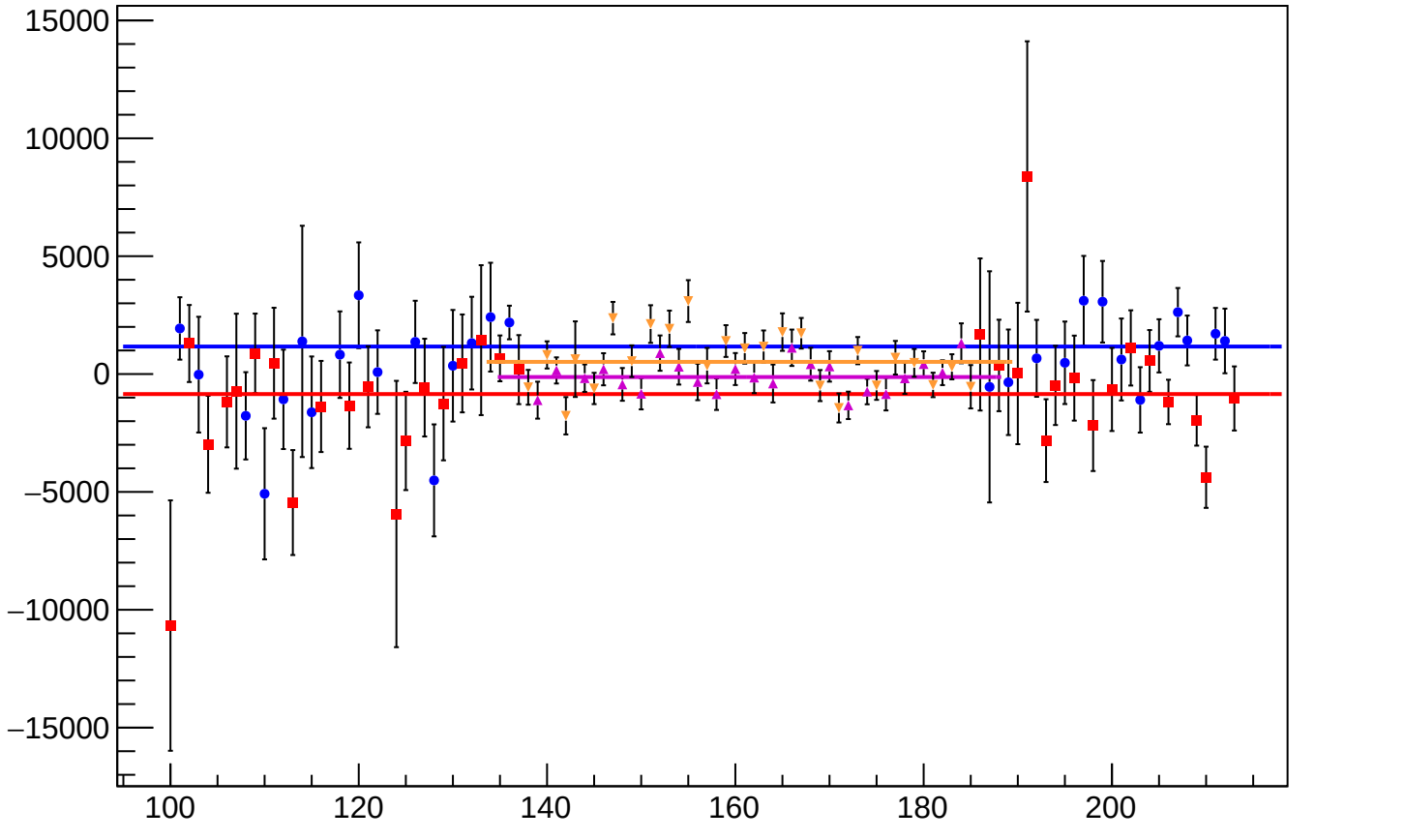
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1264.840+/-0.150 χ^2/NDF: 1023307.9/62

In: 1245.712+/-0.148 χ^2/NDF:581747.8/51

Out: 1255.978+/-0.145 χ^2/NDF:699026.2/58

All: 1250.958+/-0.103 χ^2/NDF: 1283236.3/11



Right In: 1166.738+/-289.728 χ^2/NDF: 28.4/28

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

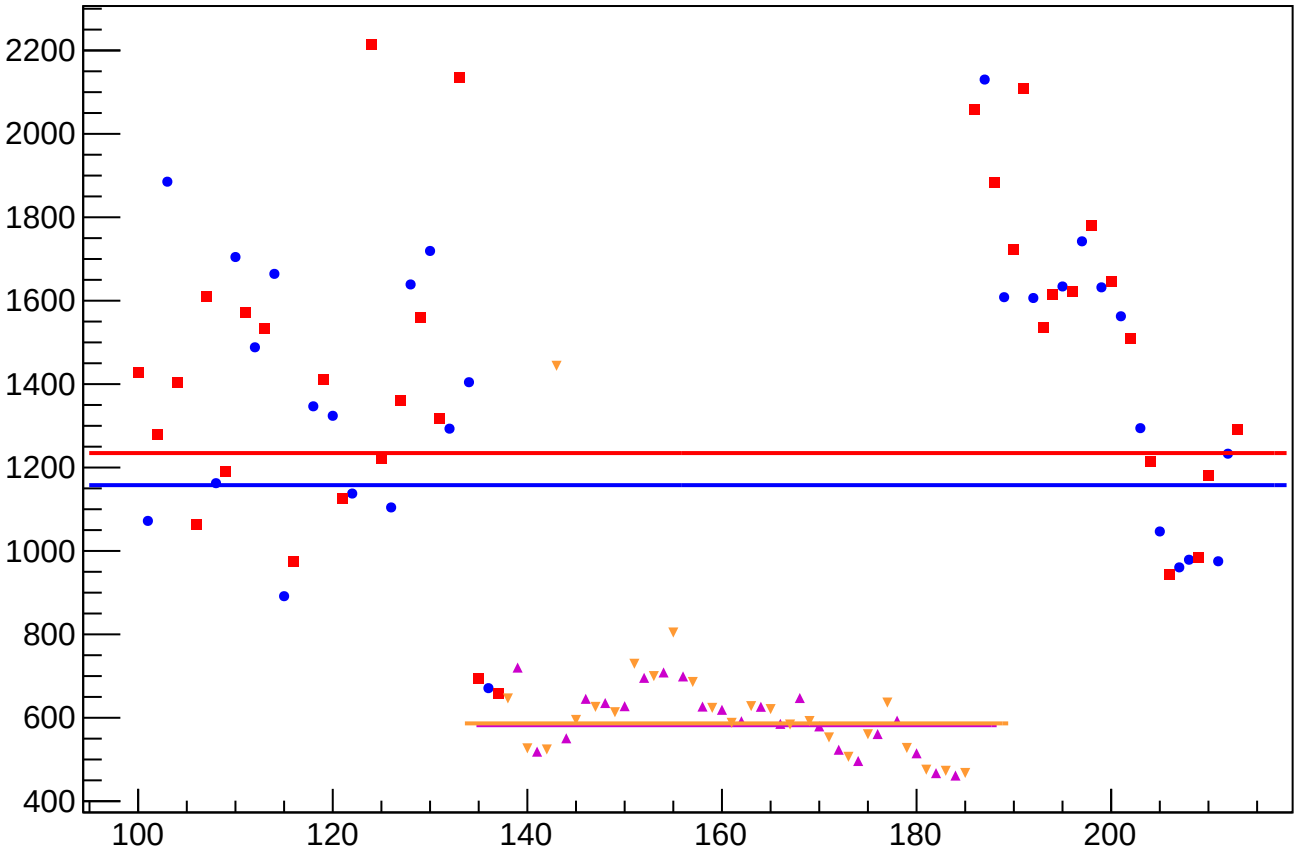
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 182.869+/-207.340 χ^2/NDF: 86.6/62

In: 110.514+/-124.048 χ^2/NDF:66.2/51

Out: 280.415+/-123.451 χ^2/NDF:119.1/58

All: 195.875+/-87.503 χ^2/NDF: 186.3/110



Right In: 1157.761+/-0.205 χ^2/NDF: 2688906.9/28

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

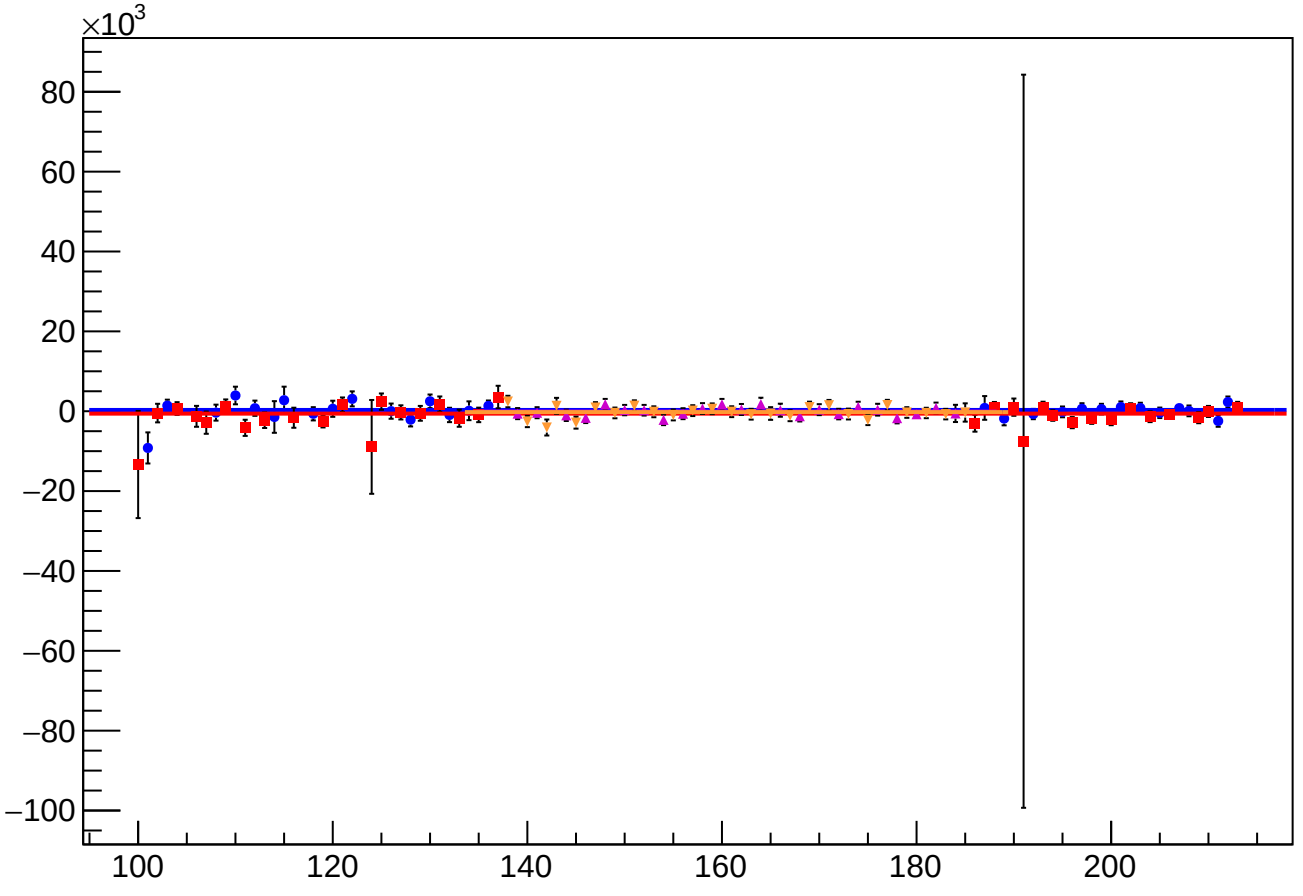
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1195.283+/-0.147 χ^2/NDF: 5495417.9/62

In: 687.702+/-0.088 χ^2/NDF:9694316.2/51

Out: 698.649+/-0.087 χ^2/NDF:11825621.9/58

All: 693.202+/-0.062 χ^2/NDF: 21527763.4/11



Right In: 317.335+/-303.954 χ^2/NDF: 26.3/28

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

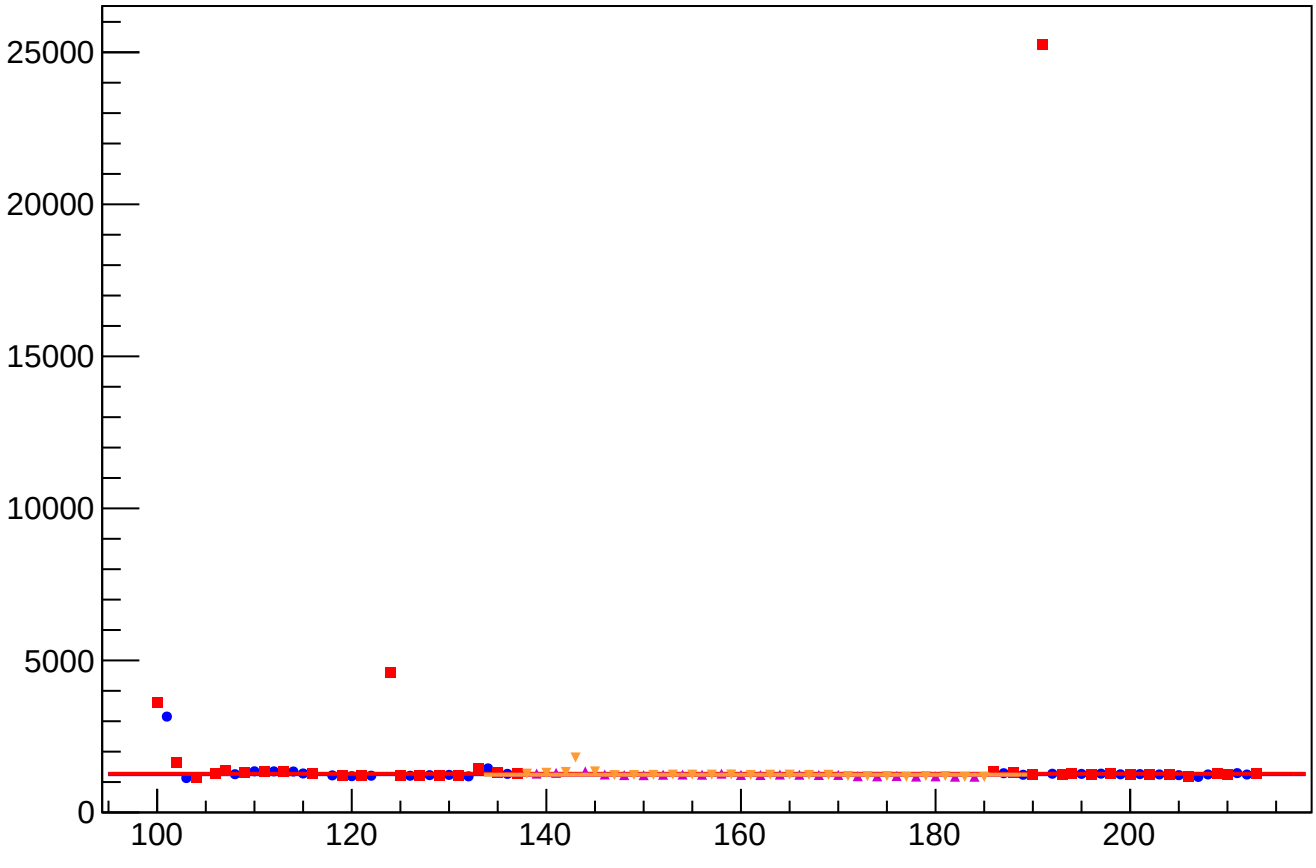
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -154.547+/-212.155 χ^2/NDF: 60.5/62

In: 101.548+/-209.142 χ^2/NDF:42.0/51

Out: -403.092+/-204.659 χ^2/NDF:54.3/58

All: -156.239+/-146.275 χ^2/NDF: 99.3/110



Right In: 1259.014+/-0.215 χ^2/NDF: 535193.4/28

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

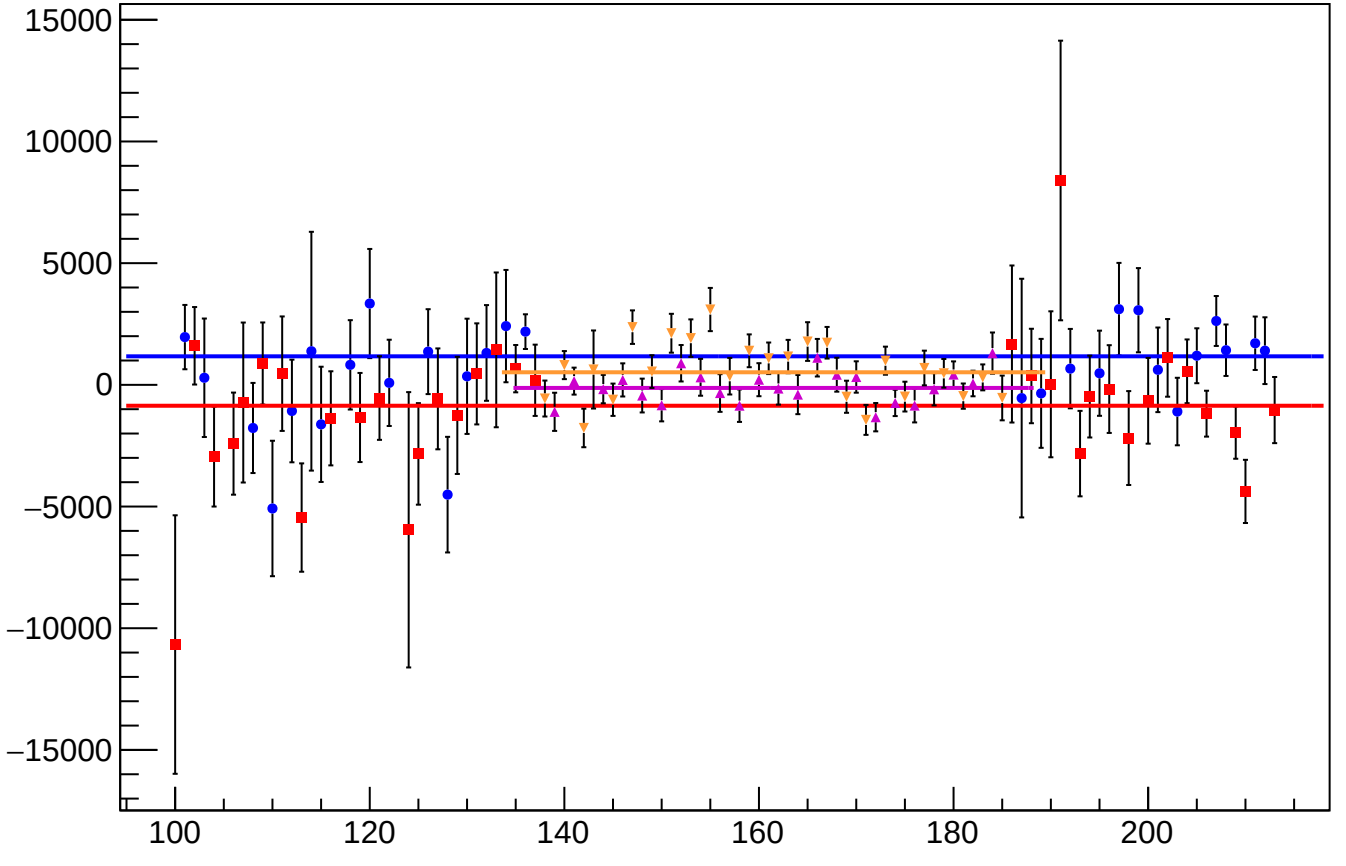
Right: 1265.273+/-0.150 χ^2/NDF: 1030686.2/62

In: 1245.712+/-0.148 χ^2/NDF:581749.1/51

Out: 1256.375+/-0.145 χ^2/NDF:706742.7/58

All: 1251.159+/-0.103 χ^2/NDF: 1291147.7/11

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1172.423+/-289.672 χ^2/NDF: 28.3/28

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

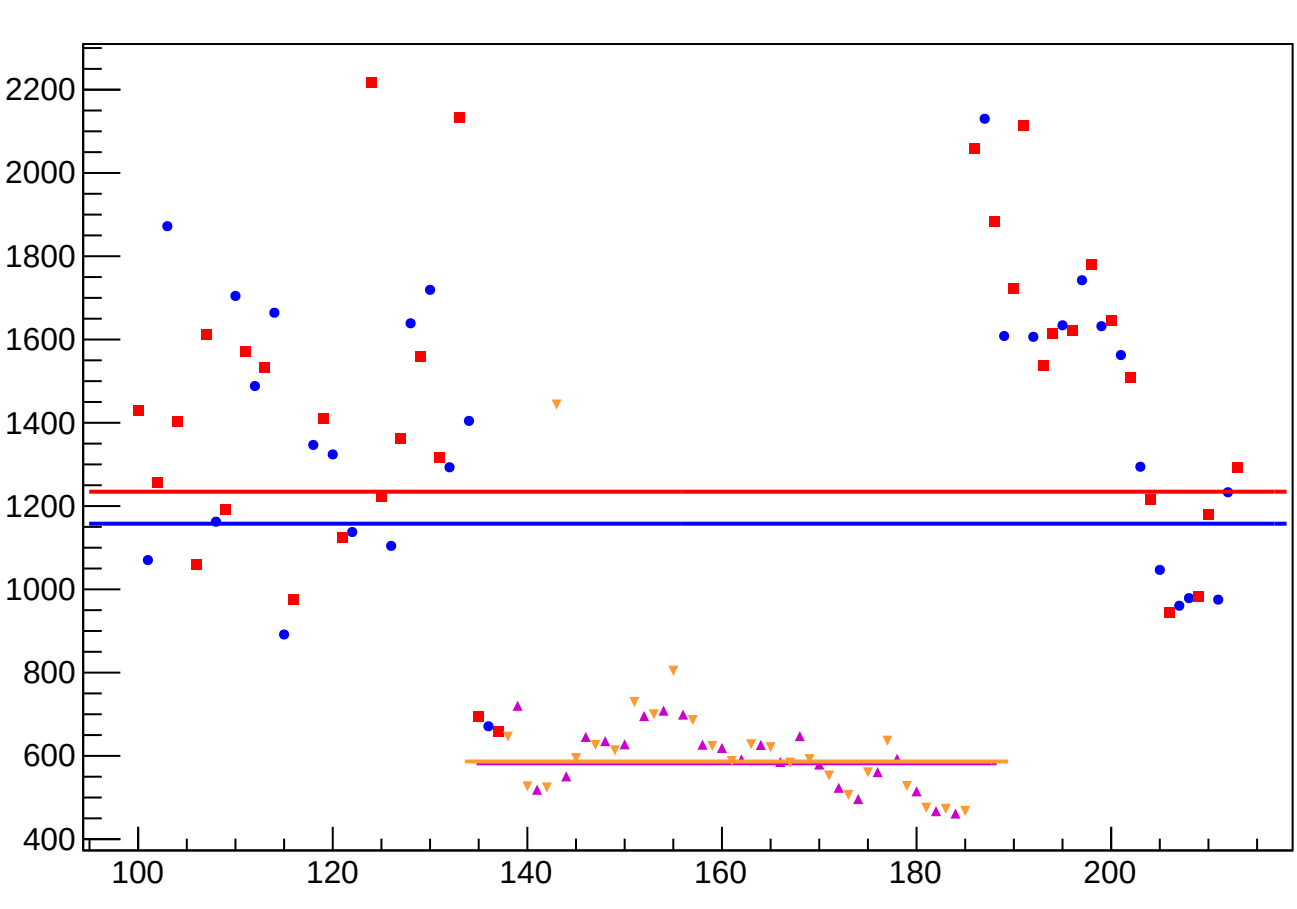
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 182.755+/-207.409 χ^2/NDF: 88.0/62

In: 111.647+/-124.044 χ^2/NDF:66.3/51

Out: 279.316+/-123.470 χ^2/NDF:120.5/58

All: 195.870+/-87.509 χ^2/NDF: 187.7/110



Right In: 1157.642+/-0.205 χ^2/NDF: 2685791.4/28

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

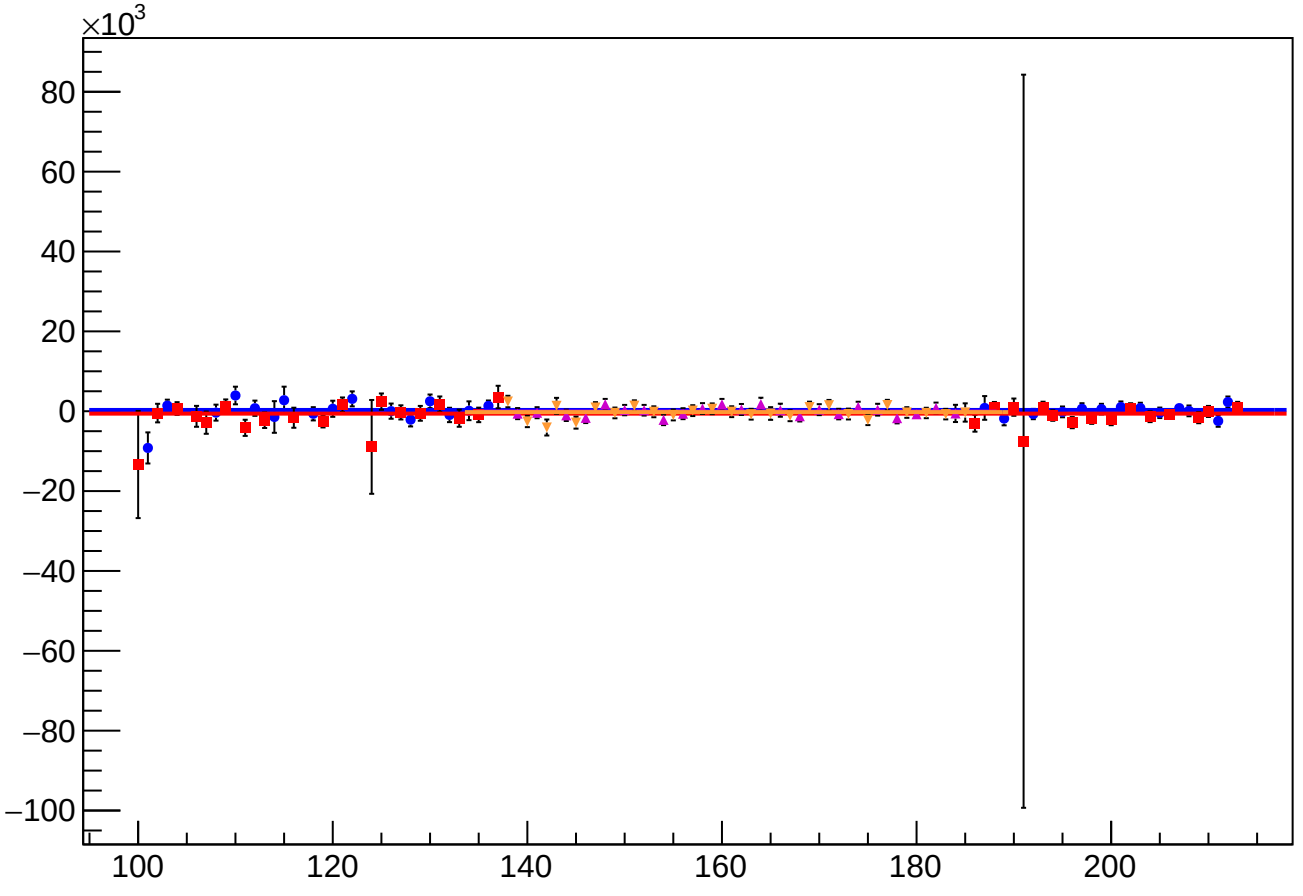
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1195.107+/-0.147 χ^2/NDF: 5489550.1/62

In: 687.711+/-0.088 χ^2/NDF:9690613.7/51

Out: 698.463+/-0.087 χ^2/NDF:11807506.6/58

All: 693.112+/-0.062 χ^2/NDF: 21505668.6/1



Right In: 317.335+/-303.954 χ^2/NDF: 26.3/28

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

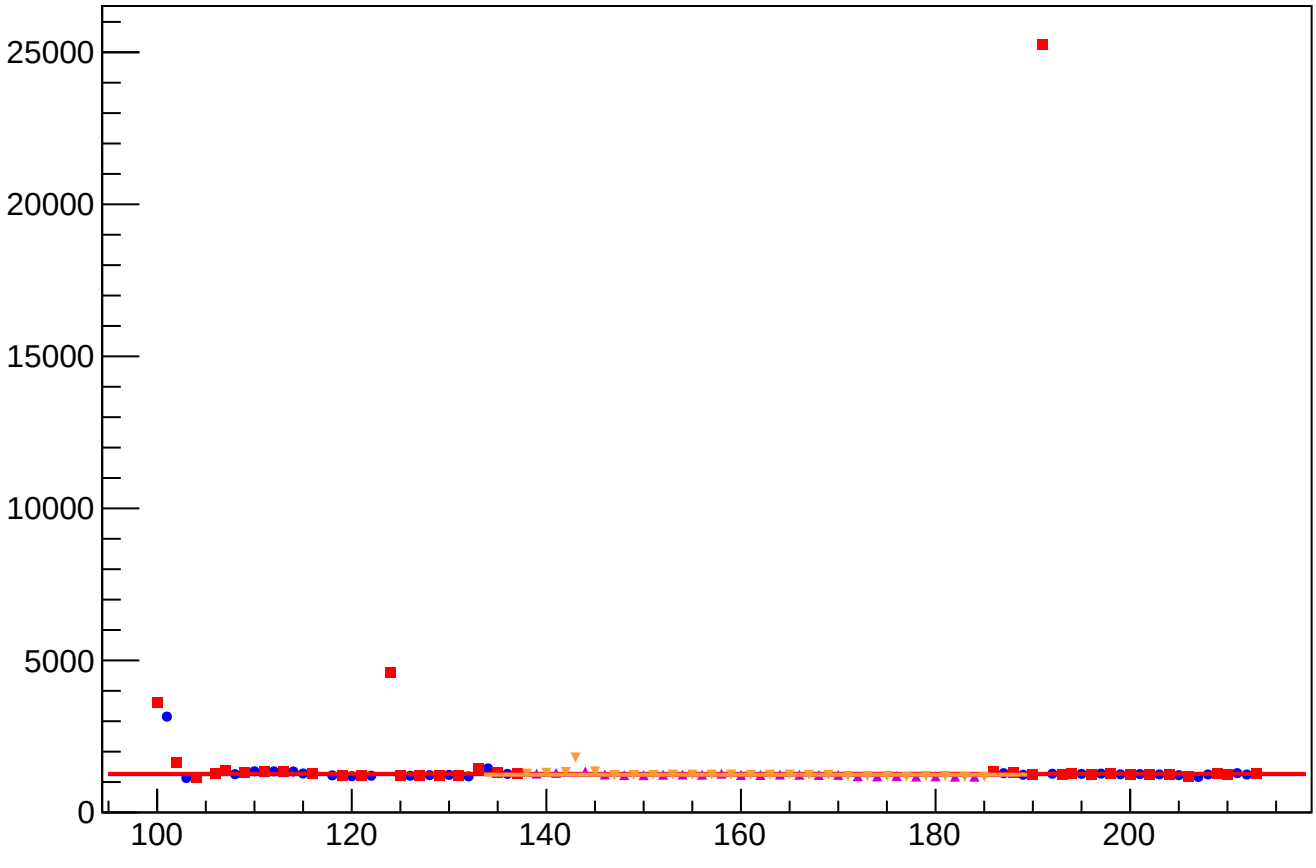
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -154.547+/-212.155 χ^2/NDF: 60.5/62

In: 101.548+/-209.142 χ^2/NDF:42.0/51

Out: -403.092+/-204.659 χ^2/NDF:54.3/58

All: -156.239+/-146.275 χ^2/NDF: 99.3/110



Right In: 1259.014+/-0.215 χ^2/NDF: 535193.4/28

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

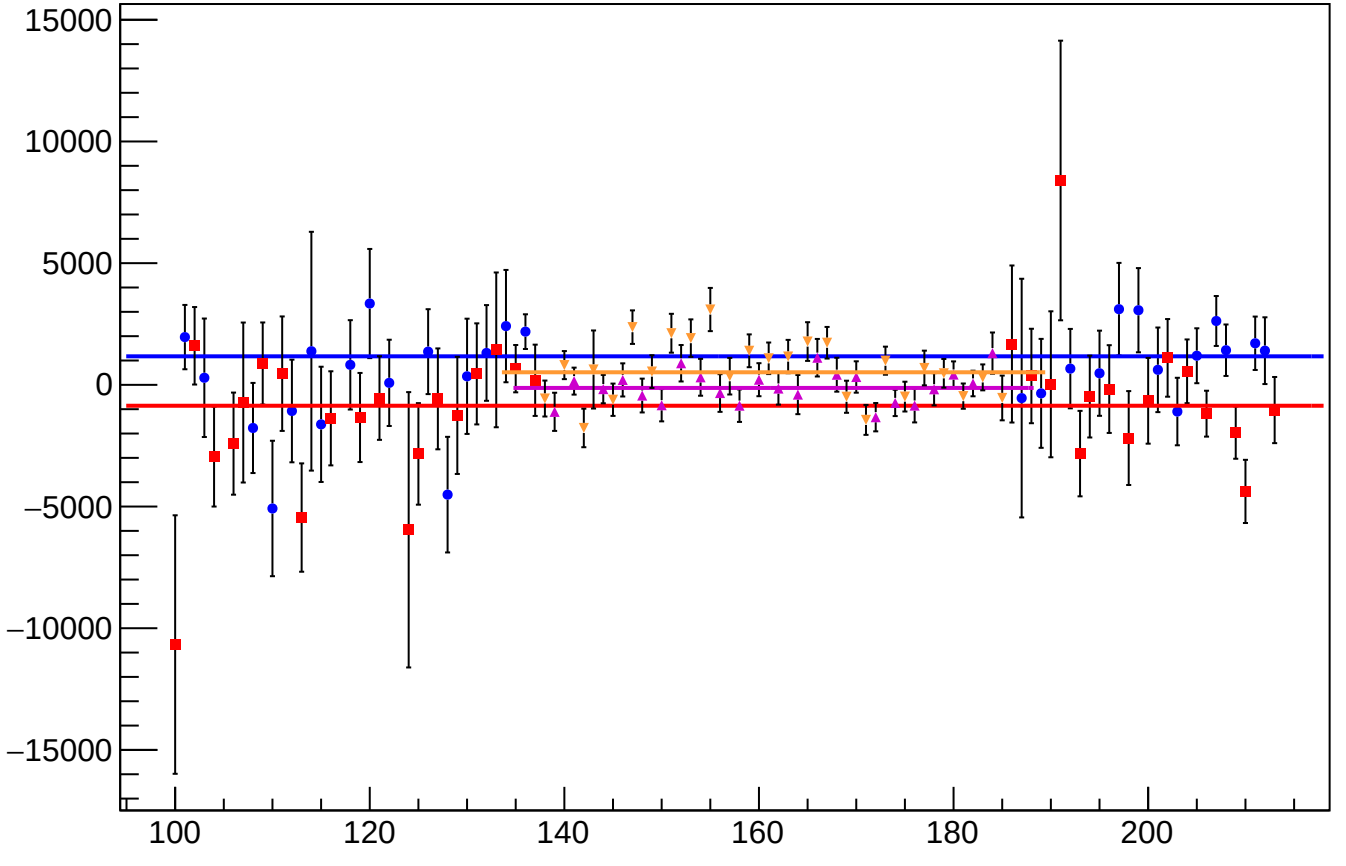
Right: 1265.273+/-0.150 χ^2/NDF: 1030686.2/62

In: 1245.712+/-0.148 χ^2/NDF:581749.1/51

Out: 1256.375+/-0.145 χ^2/NDF:706742.7/58

All: 1251.159+/-0.103 χ^2/NDF: 1291147.7/11

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1172.423+/-289.672 χ^2/NDF: 28.3/28

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

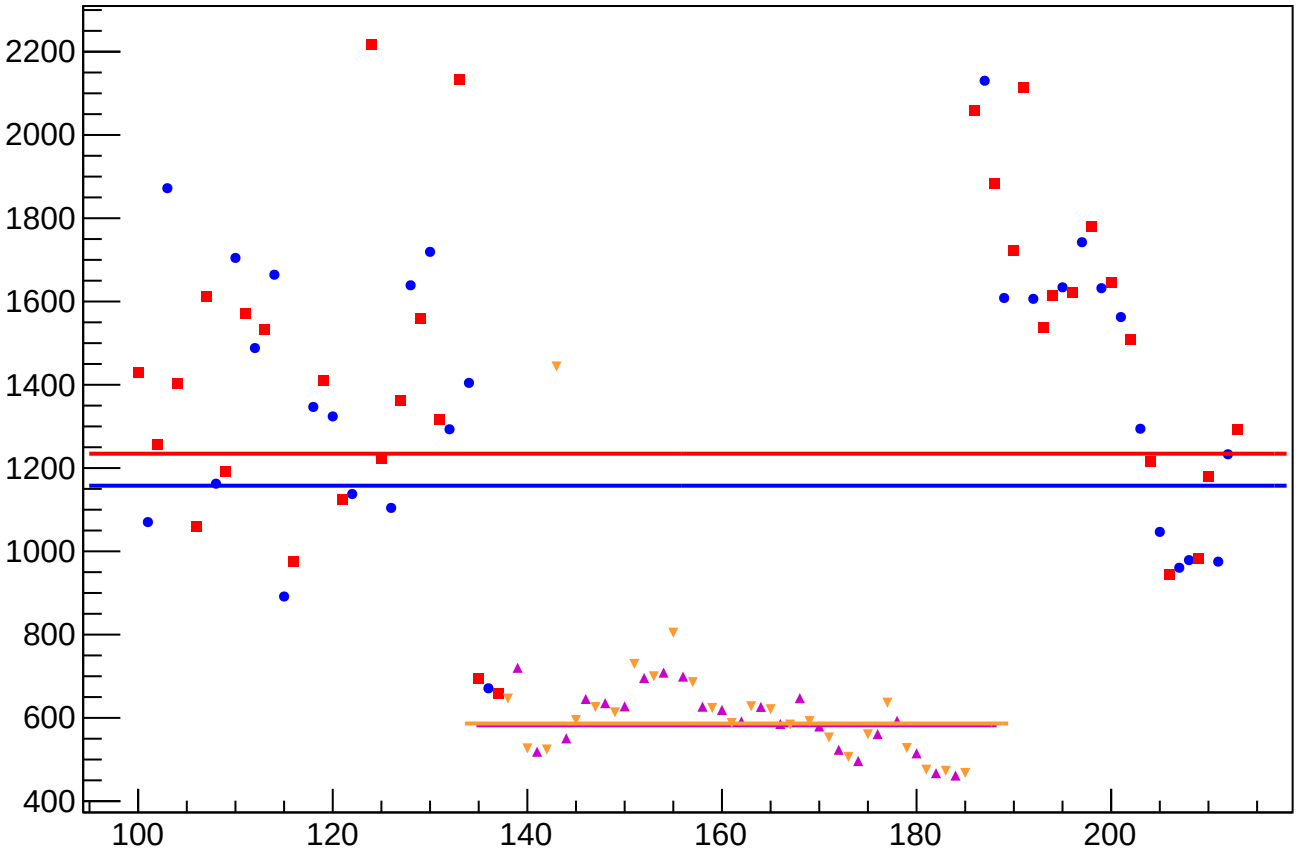
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 182.755+/-207.409 χ^2/NDF: 88.0/62

In: 111.647+/-124.044 χ^2/NDF:66.3/51

Out: 279.316+/-123.470 χ^2/NDF:120.5/58

All: 195.870+/-87.509 χ^2/NDF: 187.7/110



Right In: 1157.642+/-0.205 χ^2/NDF: 2685791.4/28

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

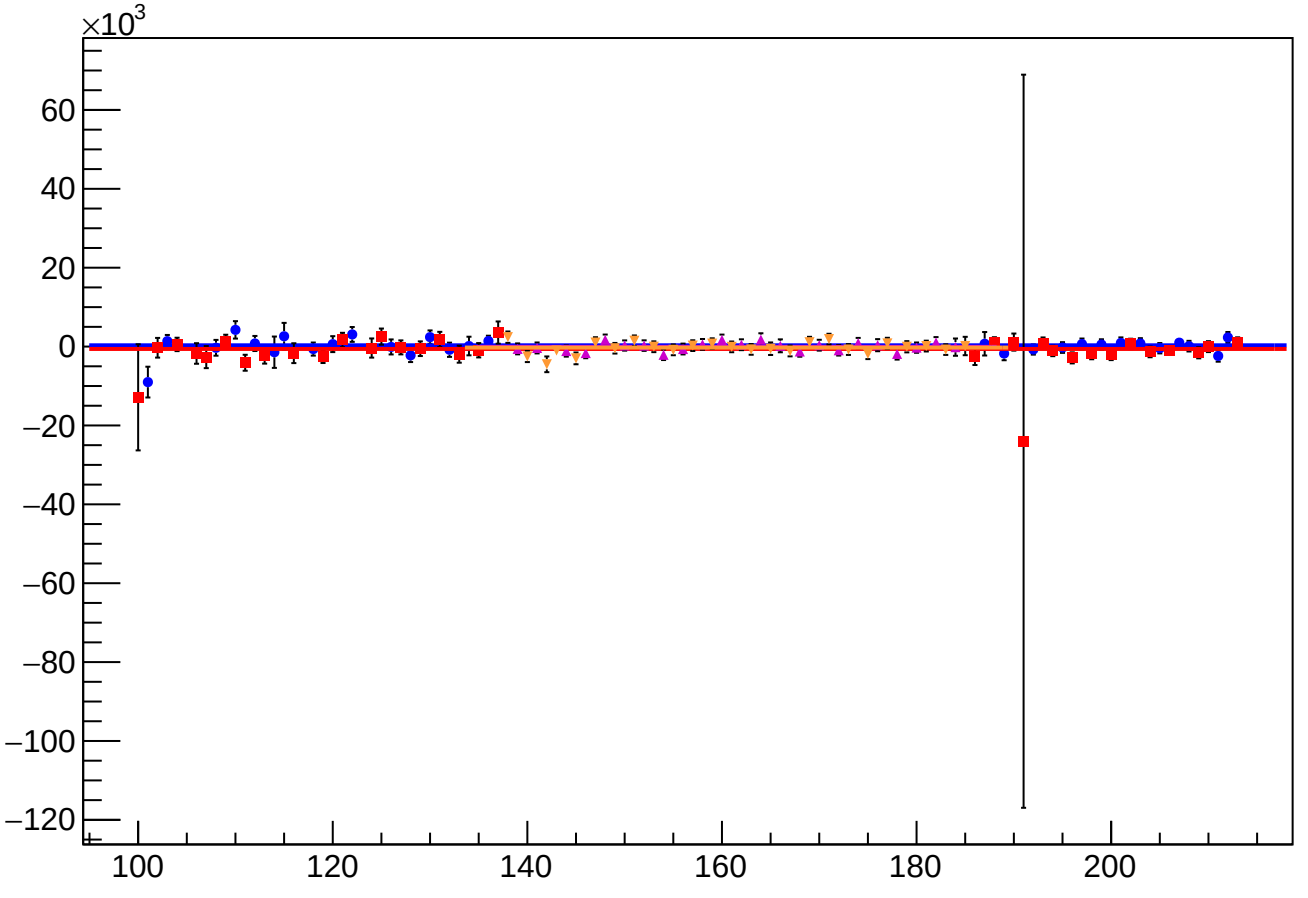
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1195.107+/-0.147 χ^2/NDF: 5489550.1/62

In: 687.711+/-0.088 χ^2/NDF:9690613.7/51

Out: 698.463+/-0.087 χ^2/NDF:11807506.6/58

All: 693.112+/-0.062 χ^2/NDF: 21505668.6/1



Right In: 323.605+/-304.934 χ^2/NDF: 26.3/28

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

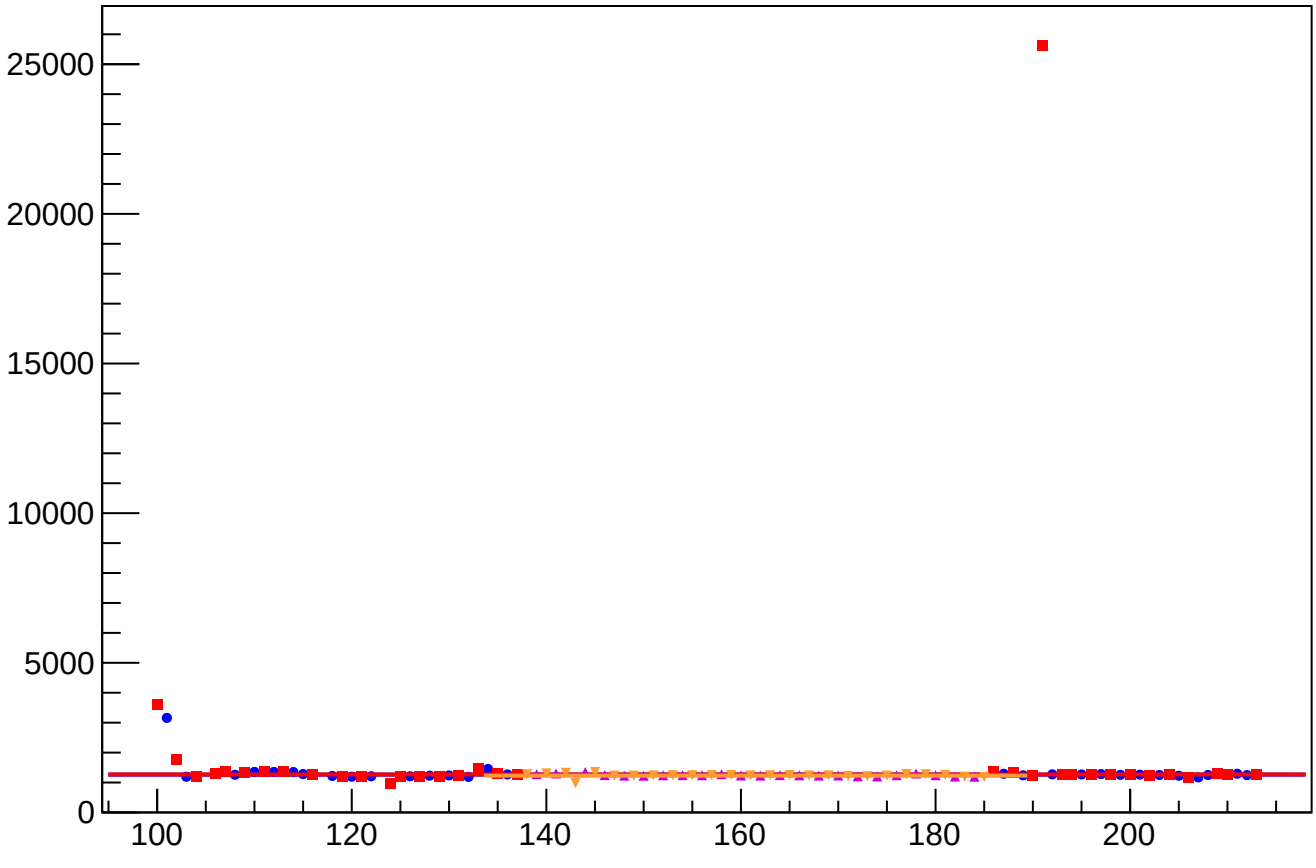
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -152.840+/-212.235 χ^2/NDF: 60.0/62

In: 115.362+/-210.695 χ^2/NDF:41.2/51

Out: -416.166+/-203.243 χ^2/NDF:53.8/58

All: -159.967+/-146.278 χ^2/NDF: 98.3/110



Right In: 1263.241+/-0.216 χ^2/NDF: 525121.0/28

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

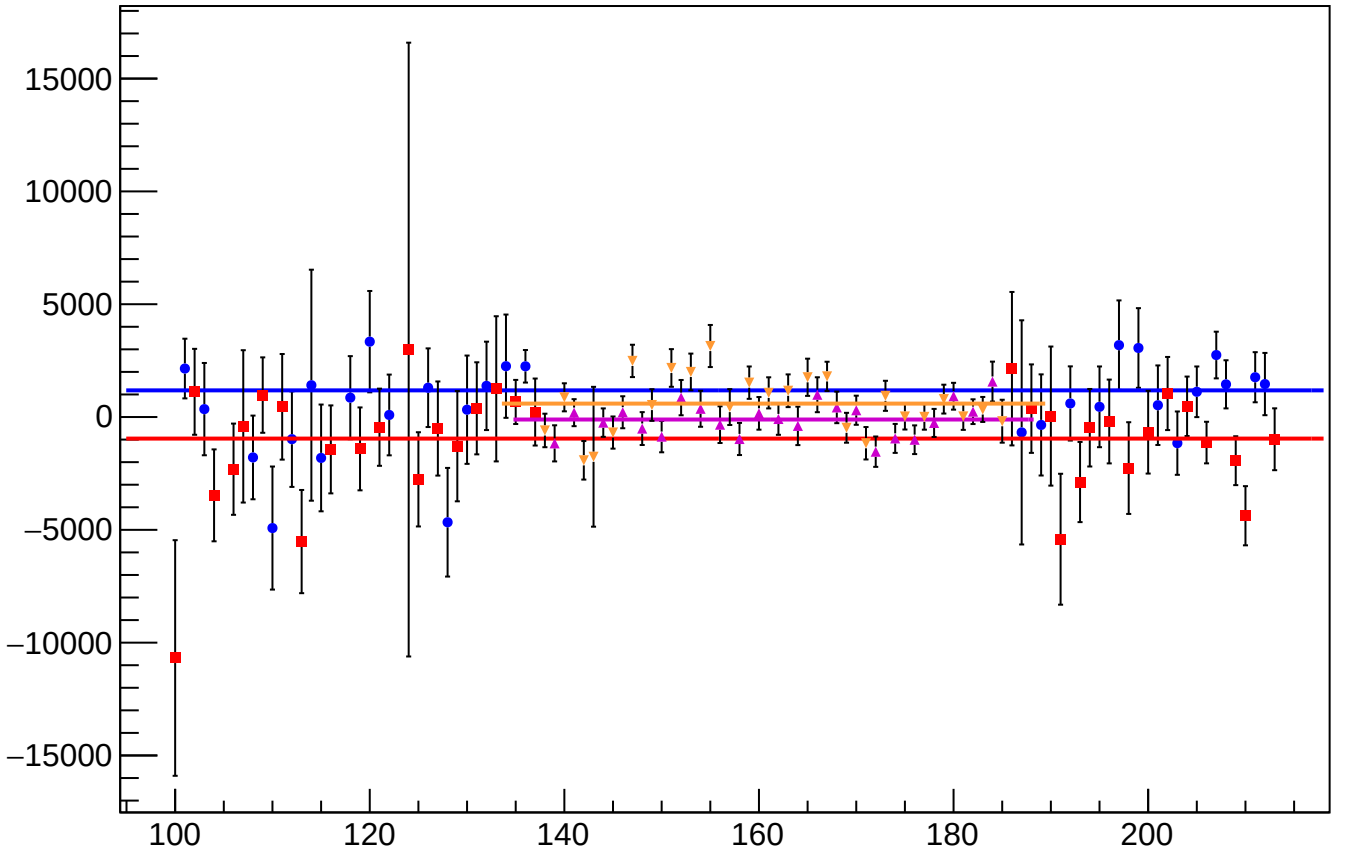
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1266.635+/-0.150 χ^2/NDF: 910703.6/62

In: 1255.164+/-0.149 χ^2/NDF:555146.9/51

Out: 1248.822+/-0.144 χ^2/NDF:545862.1/58

All: 1251.879+/-0.103 χ^2/NDF: 1101947.6/11



Right In: 1181.636+/-291.106 χ^2/NDF: 29.3/28

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

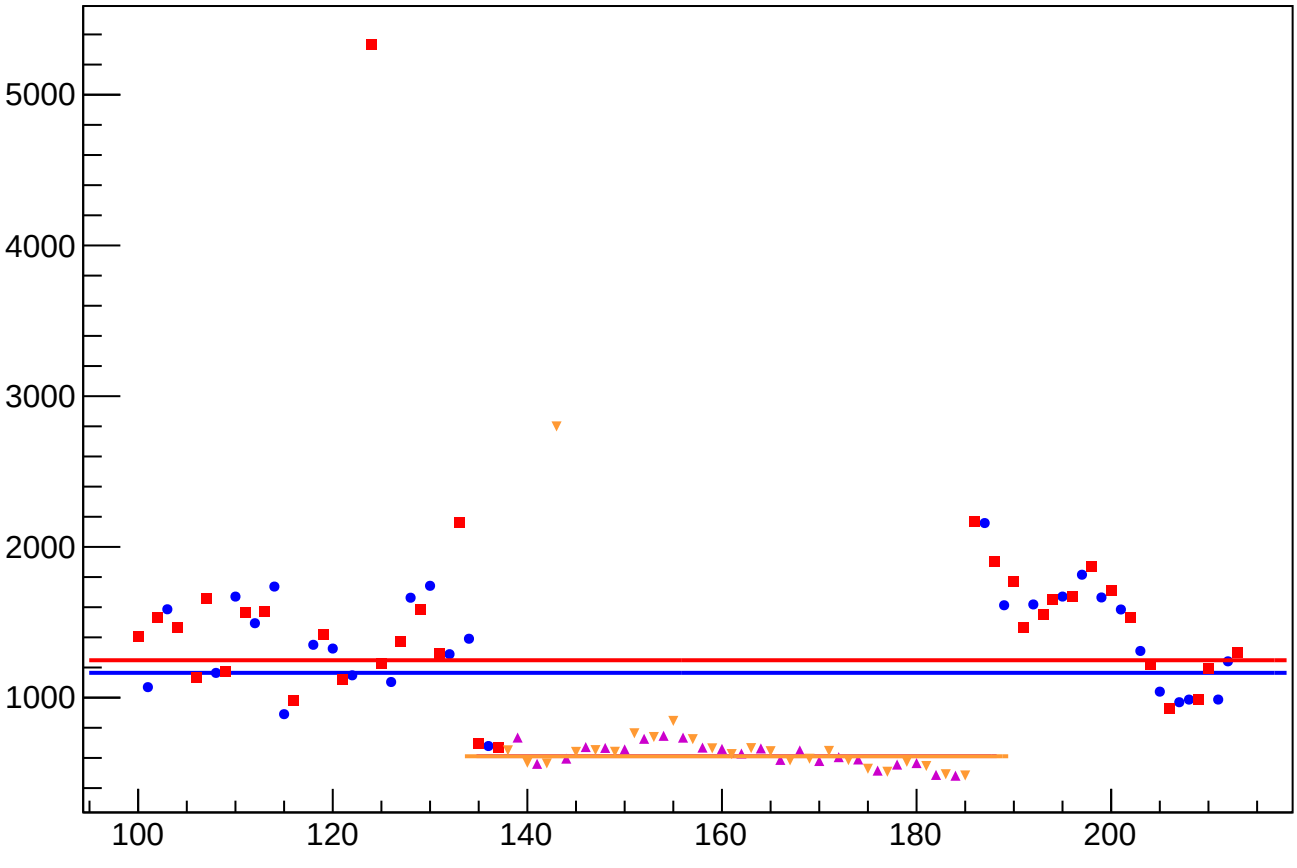
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 143.534+/-208.765 χ^2/NDF: 89.2/62

In: 144.378+/-129.239 χ^2/NDF:70.9/51

Out: 310.049+/-128.409 χ^2/NDF:112.9/58

All: 227.747+/-91.091 χ^2/NDF: 184.6/110



Right In: 1164.609+/-0.206 χ^2/NDF: 2624929.2/28

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

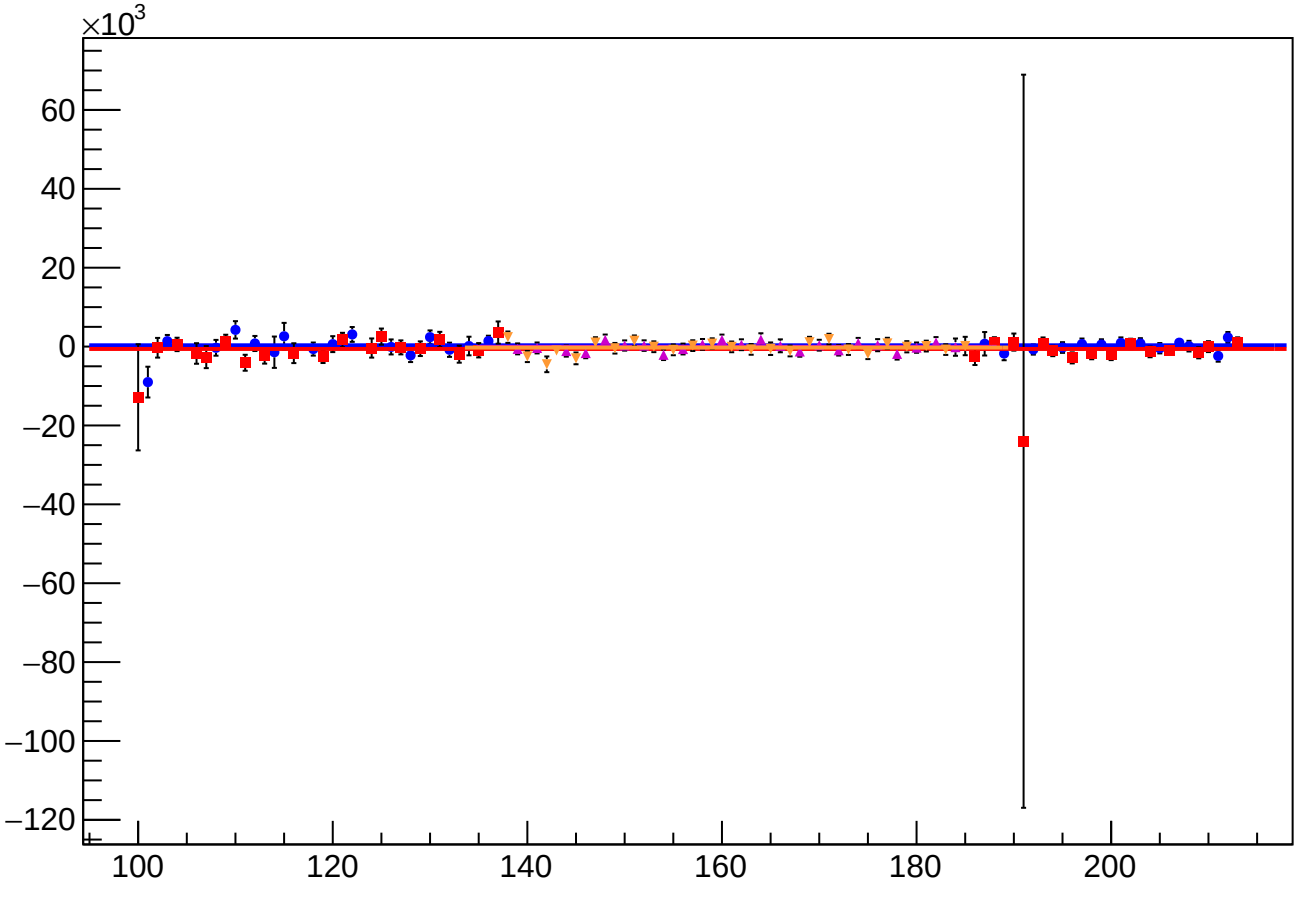
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1205.187+/-0.148 χ^2/NDF: 5735826.2/62

In: 721.239+/-0.091 χ^2/NDF:8911781.9/51

Out: 728.153+/-0.091 χ^2/NDF:12033909.7/58

All: 724.718+/-0.064 χ^2/NDF: 20948572.3/1



Right In: 323.603+/-304.934 χ^2/NDF: 26.3/28

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

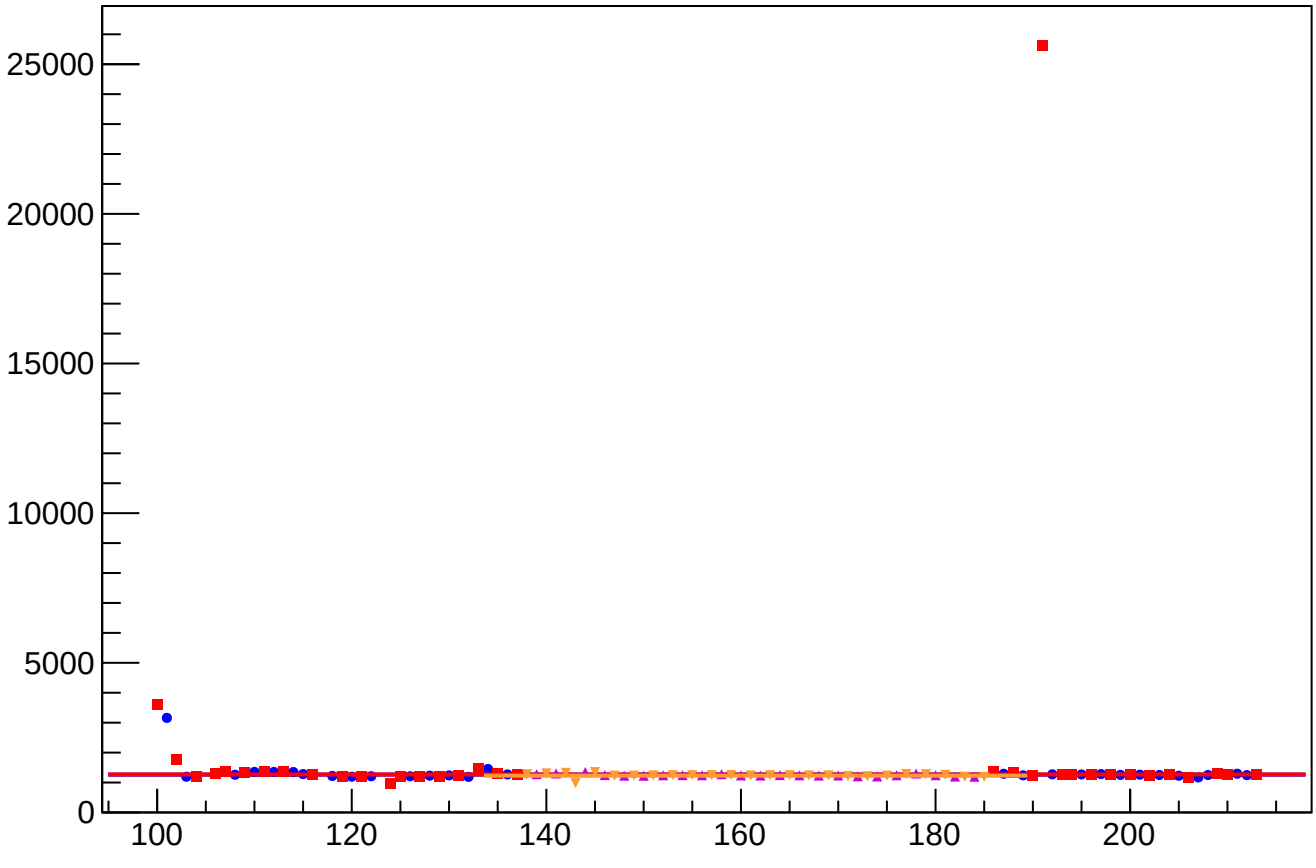
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -152.841+/-212.235 χ^2/NDF: 60.0/62

In: 115.361+/-210.695 χ^2/NDF:41.2/51

Out: -416.166+/-203.243 χ^2/NDF:53.8/58

All: -159.968+/-146.278 χ^2/NDF: 98.3/110



Right In: 1263.241+/-0.216 χ^2/NDF: 525121.1/28

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

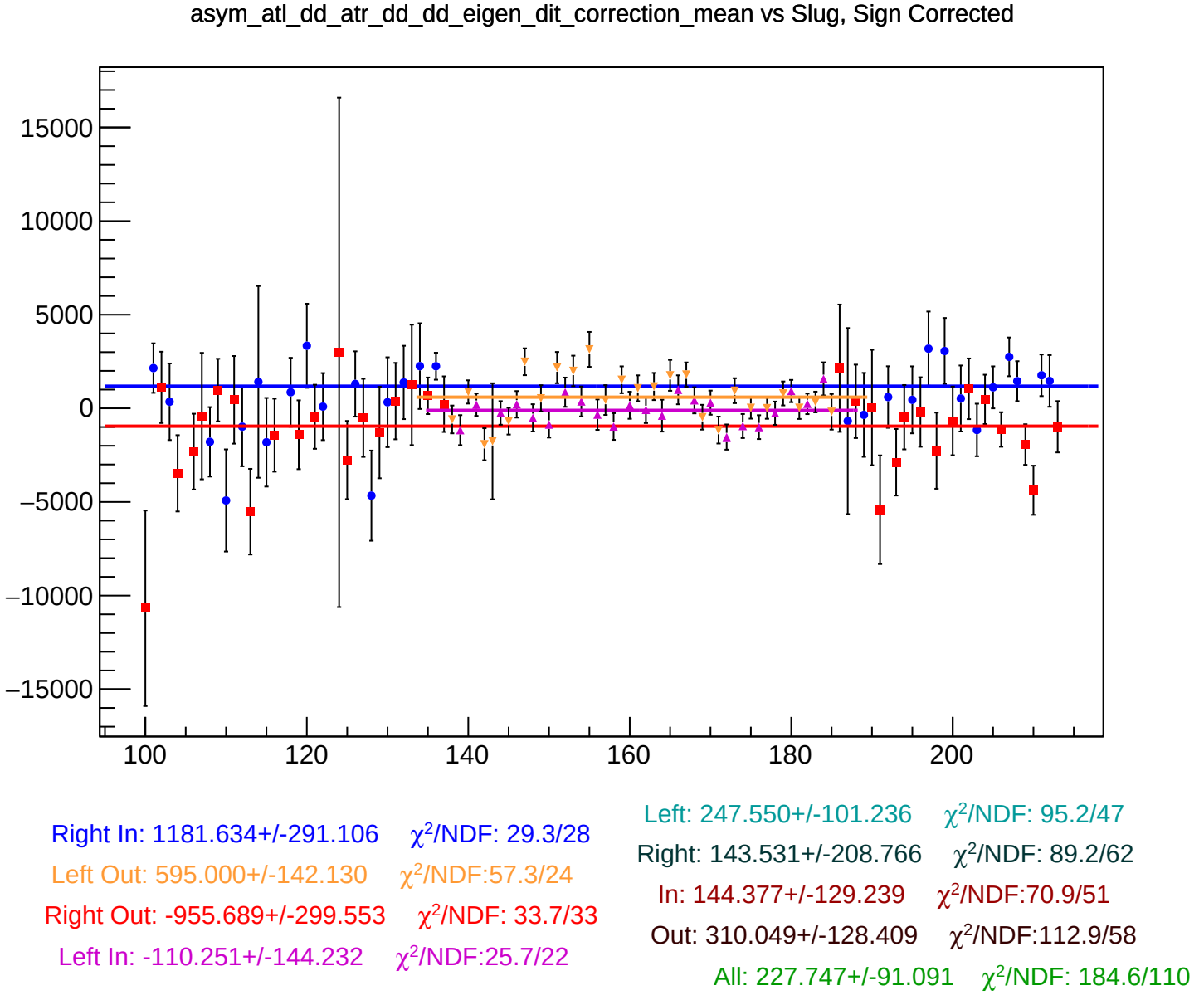
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

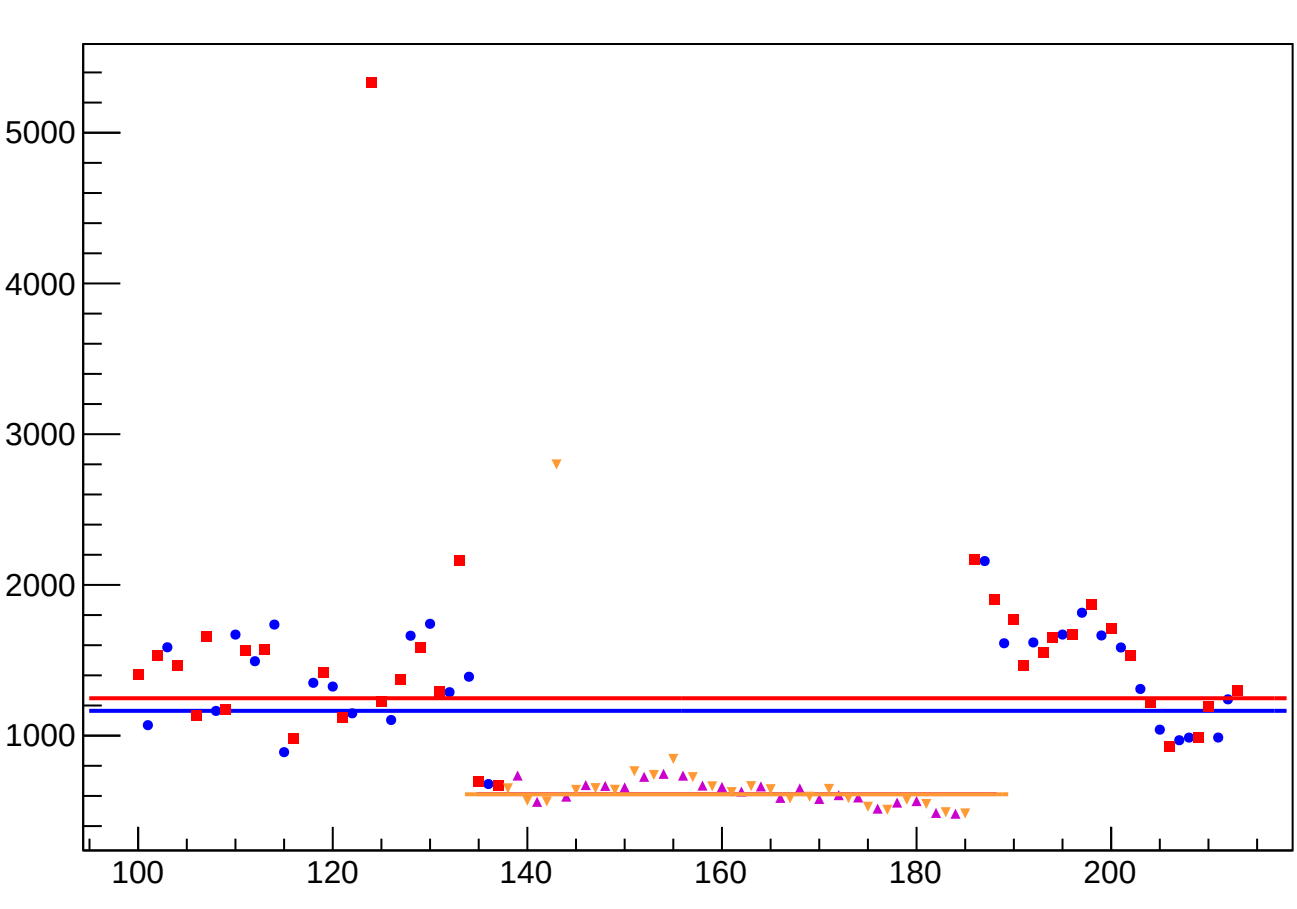
Right: 1266.635+/-0.150 χ^2/NDF: 910703.5/62

In: 1255.164+/-0.149 χ^2/NDF:555146.9/51

Out: 1248.822+/-0.144 χ^2/NDF:545861.0/58

All: 1251.879+/-0.103 χ^2/NDF: 1101946.5/11


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: 1181.634+/-291.106 χ²/NDF: 29.3/28
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: 143.531+/-208.766 χ²/NDF: 89.2/62
In: 144.377+/-129.239 χ²/NDF:70.9/51
Out: 310.049+/-128.409 χ²/NDF:112.9/58
All: 227.747+/-91.091 χ²/NDF: 184.6/110



Right In: 1164.610+/-0.206 χ^2/NDF: 2624871.4/28

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

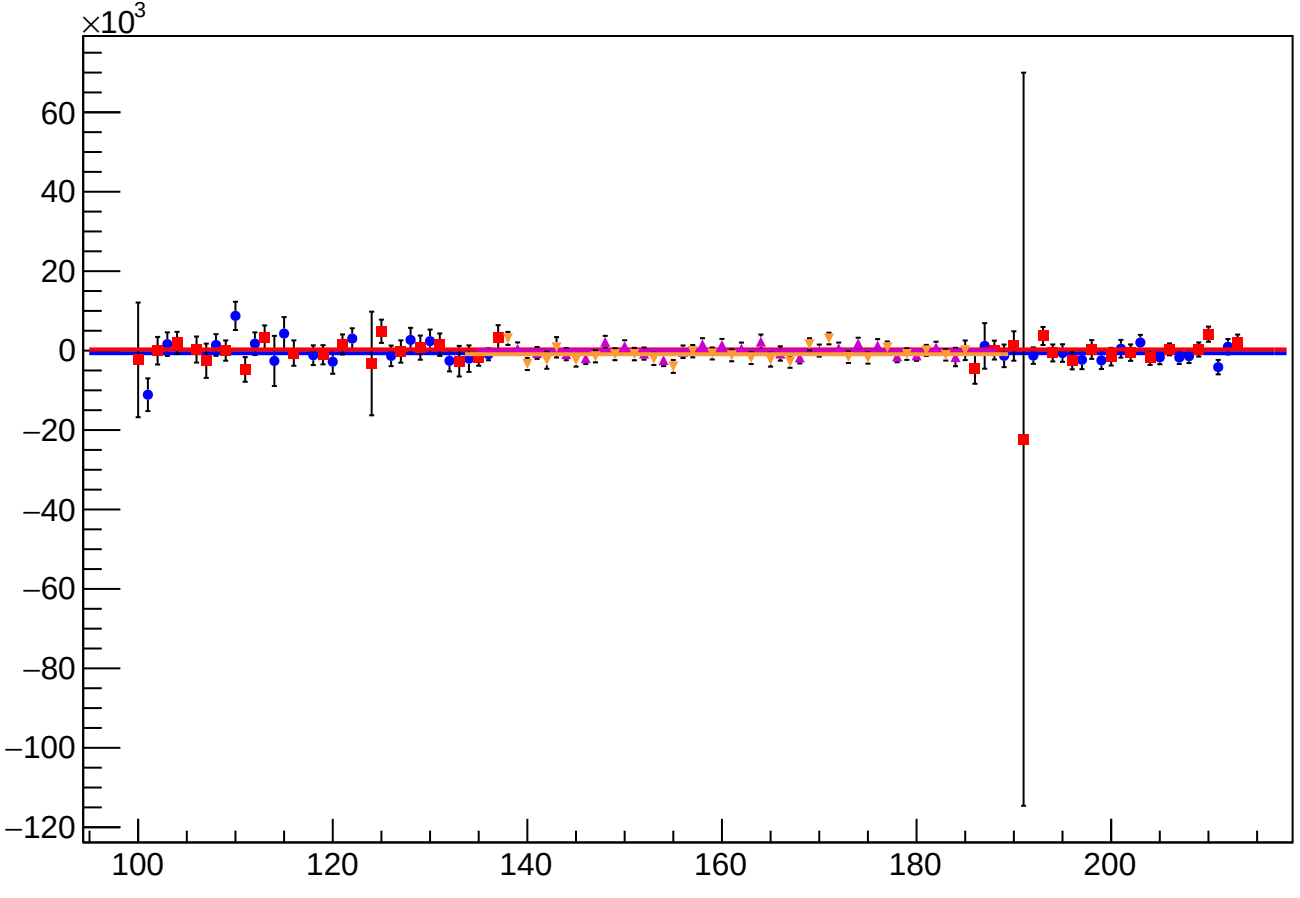
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1205.189+/-0.148 χ^2/NDF: 5735713.6/62

In: 721.238+/-0.091 χ^2/NDF:8911769.8/51

Out: 728.153+/-0.091 χ^2/NDF:12033901.6/58

All: 724.718+/-0.064 χ^2/NDF: 20948552.5/1



Right In: -653.176+/-442.464 χ^2/NDF: 31.5/28

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

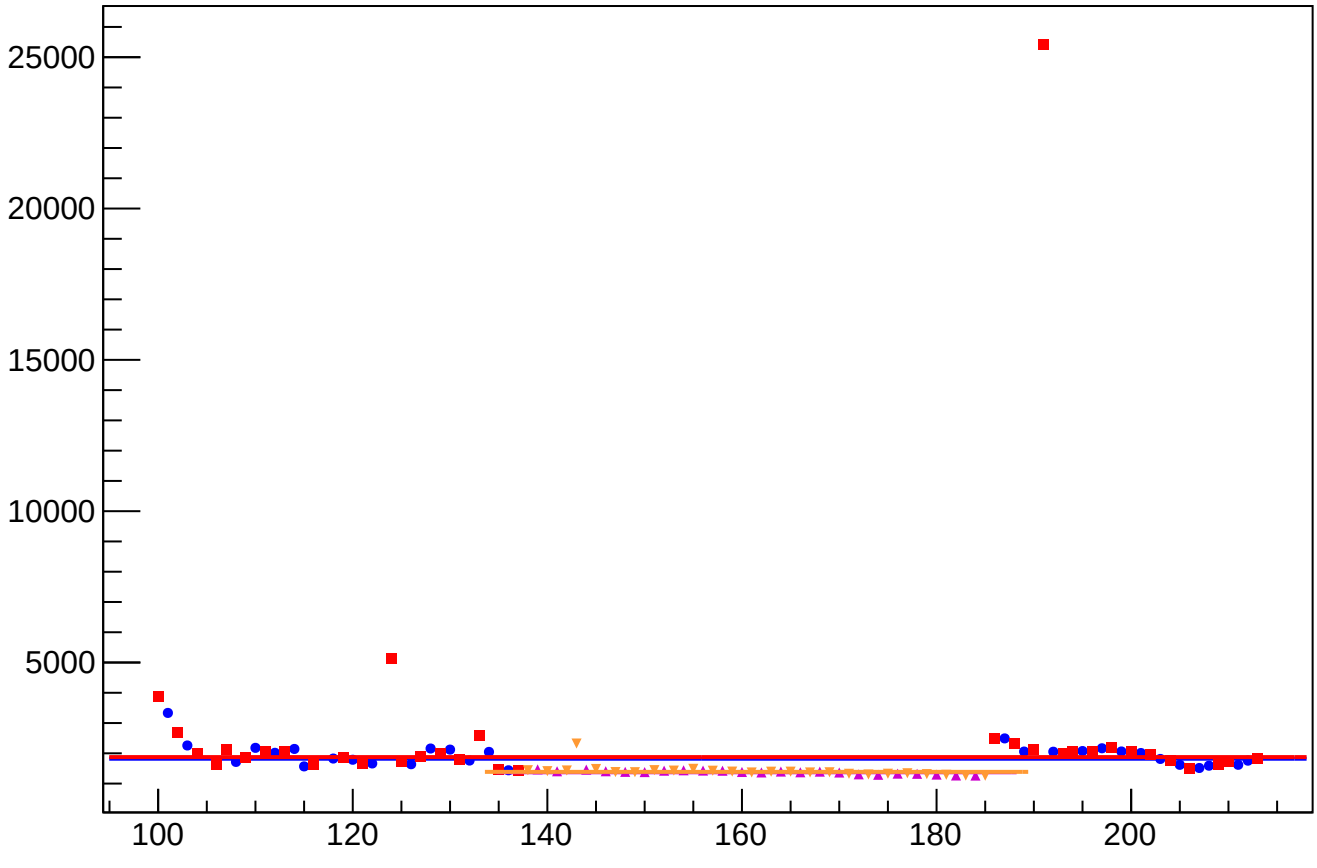
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -173.606+/-312.006 χ^2/NDF: 56.6/62

In: -193.601+/-259.788 χ^2/NDF:51.0/51

Out: -490.632+/-256.913 χ^2/NDF:57.5/58

All: -343.769+/-182.673 χ^2/NDF: 109.1/110



Right In: 1821.170+/-0.313 χ^2/NDF: 892241.3/28

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

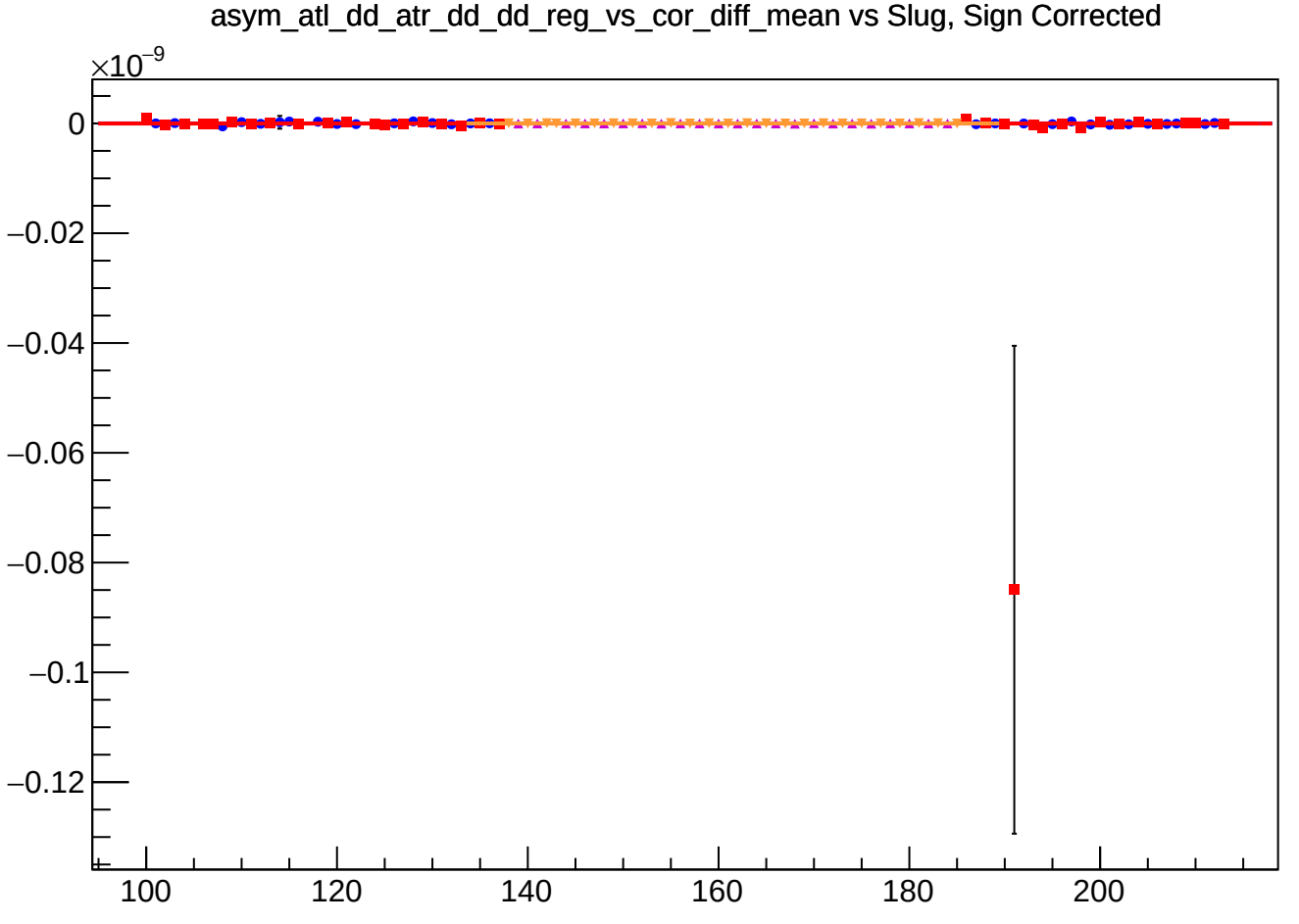
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1848.159+/-0.221 χ^2/NDF: 1958762.0/62

In: 1527.640+/-0.184 χ^2/NDF:2299965.9/51

Out: 1553.198+/-0.182 χ^2/NDF:3012877.7/58

All: 1540.561+/-0.129 χ^2/NDF: 5322630.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 24.9/28

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

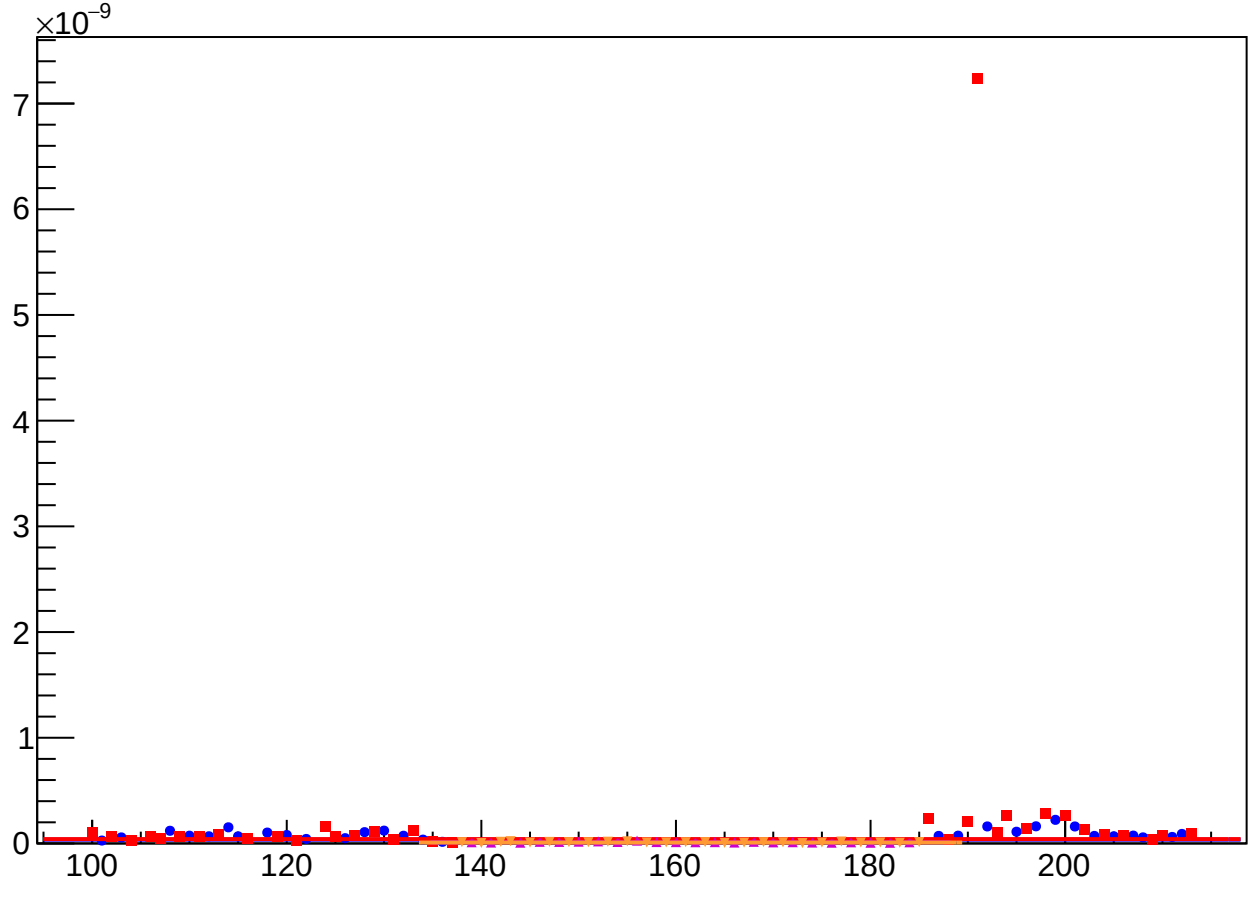
Right: -0.000+/-0.000 χ^2/NDF: 74.5/62

In: 0.000+/-0.000 χ^2/NDF:38.4/51

Out: 0.000+/-0.000 χ^2/NDF:74.6/58

All: 0.000+/-0.000 χ^2/NDF: 113.1/110

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6474570.0/28

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

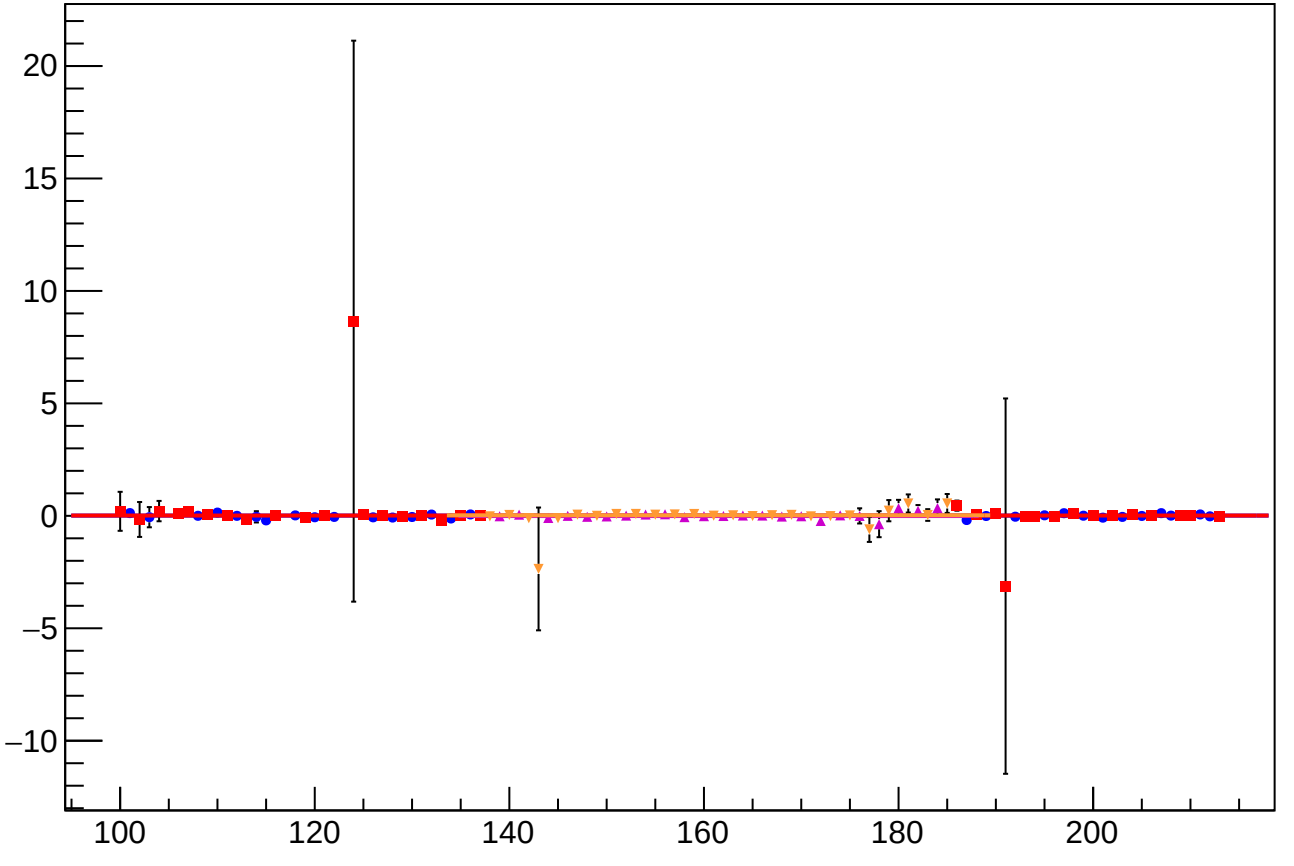
Right: 0.000+/-0.000 χ^2/NDF: 13462079.5/62

In: 0.000+/-0.000 χ^2/NDF:11893579.8/51

Out: 0.000+/-0.000 χ^2/NDF:14676537.2/58

All: 0.000+/-0.000 χ^2/NDF: 26884428.4/110

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.009 χ^2/NDF: 45.0/28

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

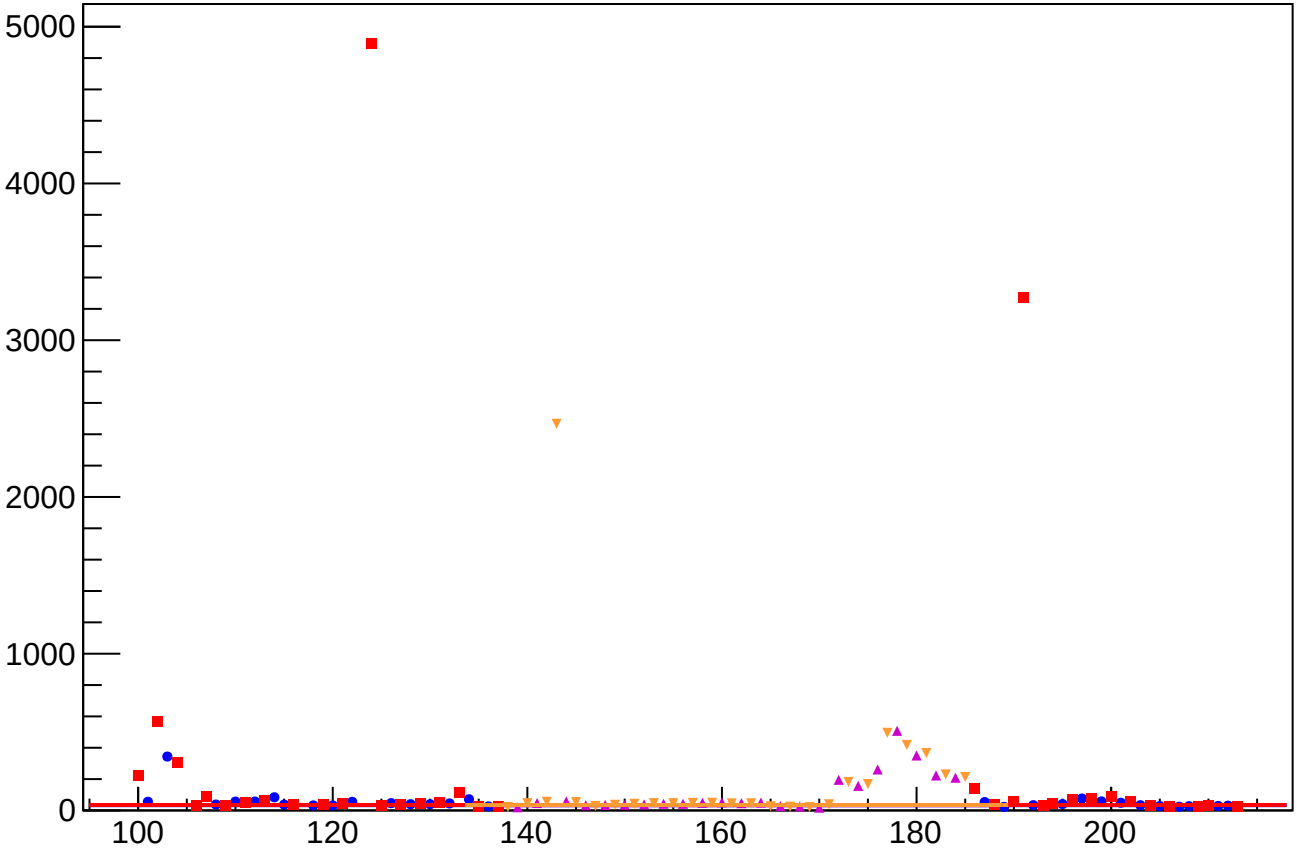
Right: 0.012+/-0.007 χ^2/NDF: 69.1/62

In: 0.001+/-0.007 χ^2/NDF:62.0/51

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.4/110

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.604+/-0.007 χ^2/NDF: 3626490.9/28

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

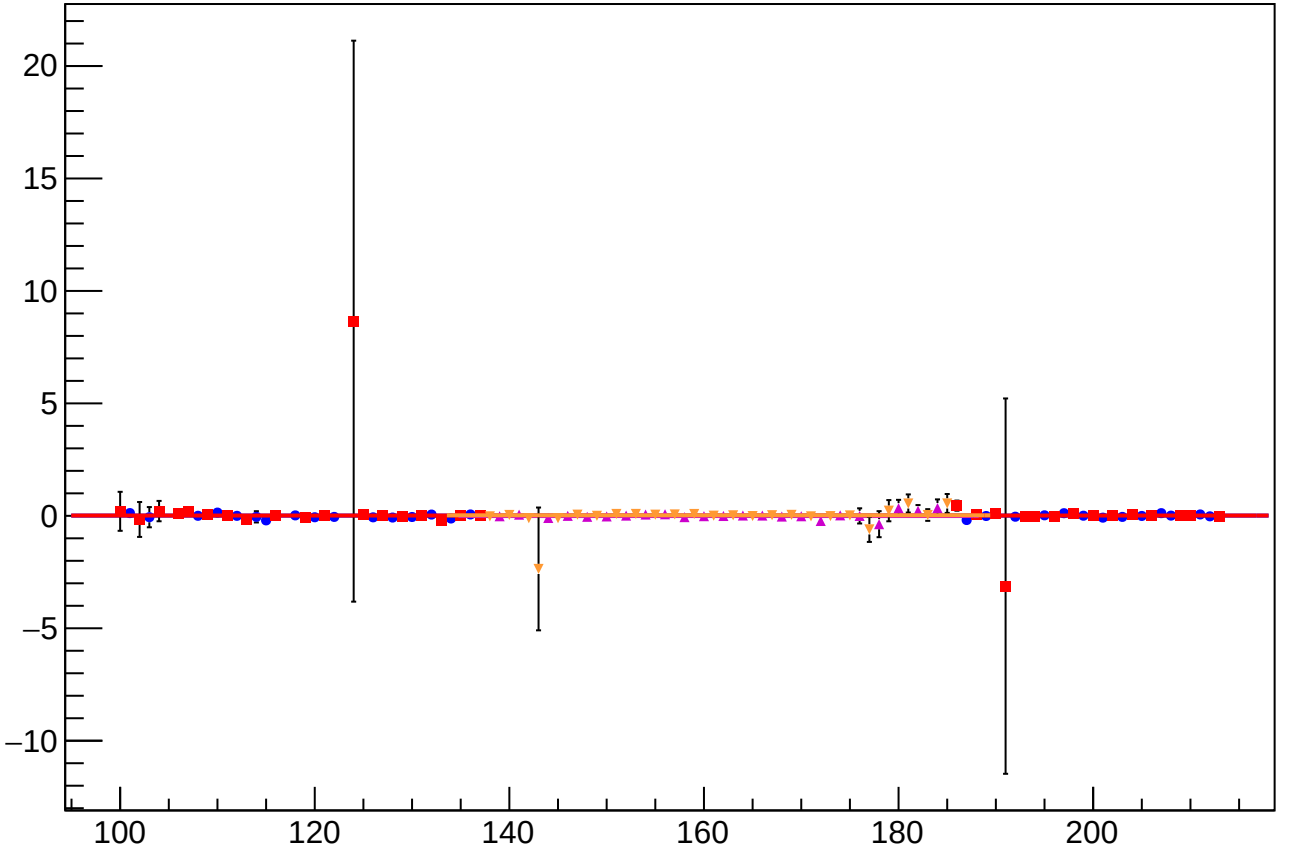
Right: 34.200+/-0.005 χ^2/NDF: 10127570.6/62

In: 33.599+/-0.005 χ^2/NDF:13693958.8/51

Out: 34.737+/-0.005 χ^2/NDF:17887051.2/58

All: 34.150+/-0.003 χ^2/NDF: 31608199.2/110

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.009 χ^2/NDF: 45.0/28

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

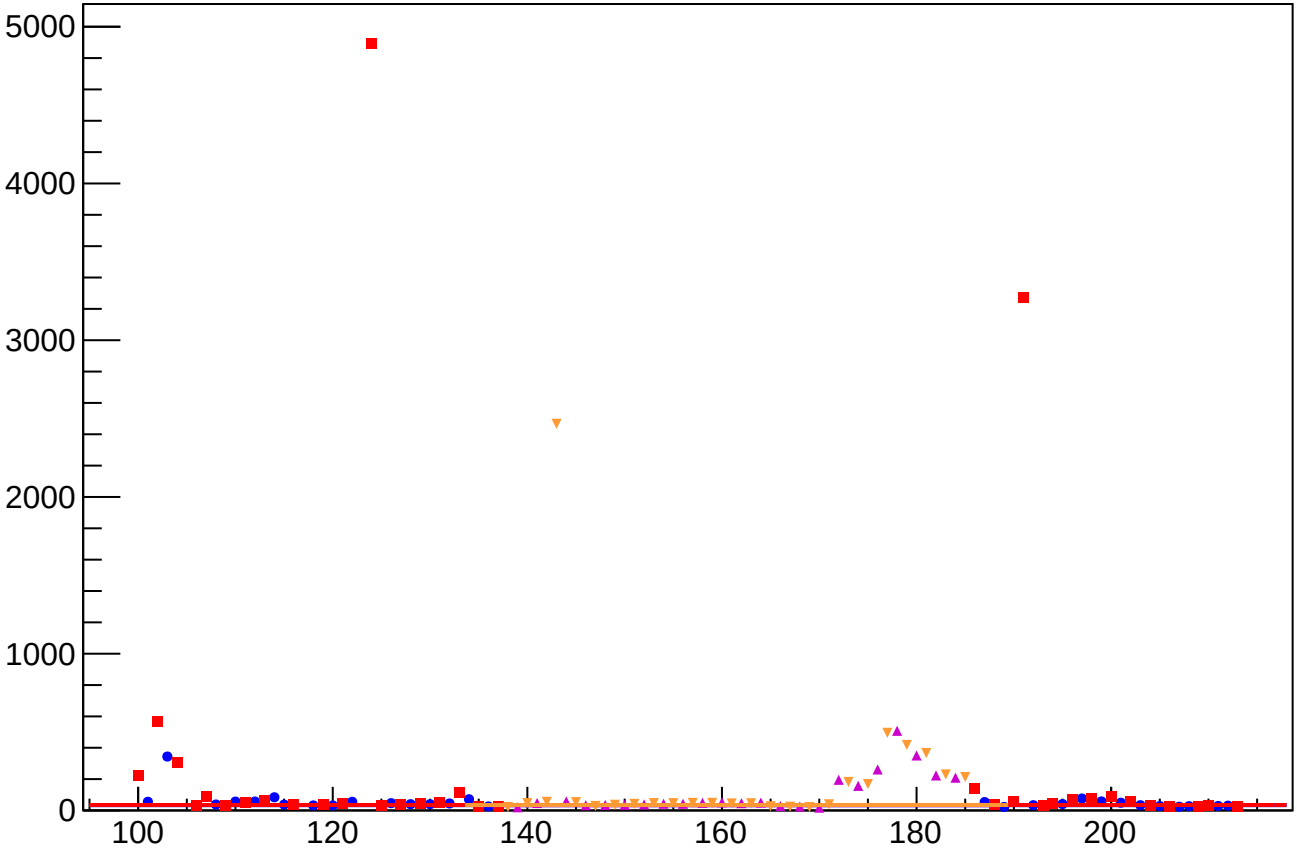
Right: 0.012+/-0.007 χ^2/NDF: 69.1/62

In: 0.001+/-0.007 χ^2/NDF:62.0/51

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.4/110

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.604+/-0.007 χ^2/NDF: 3626490.9/28

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

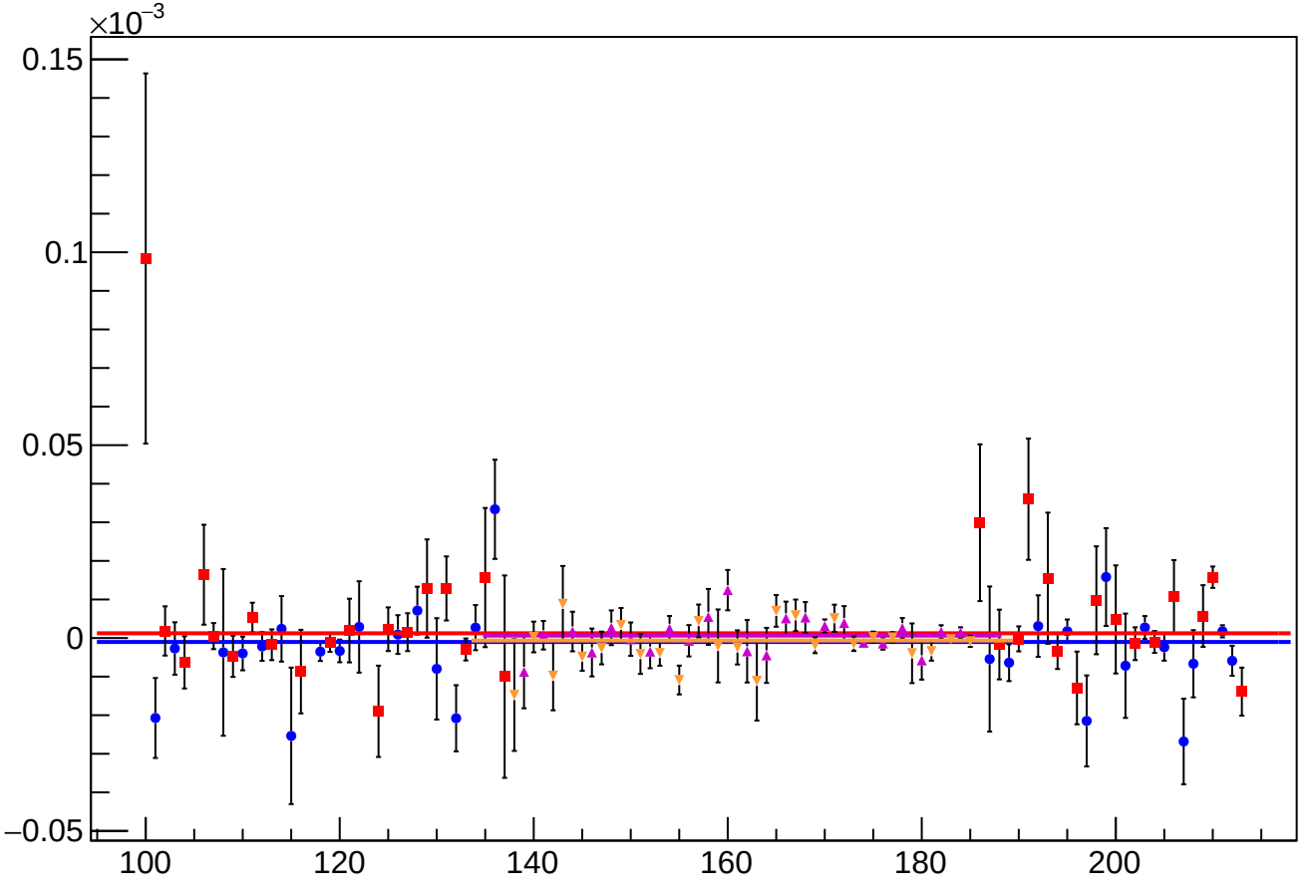
Right: 34.200+/-0.005 χ^2/NDF: 10127570.6/62

In: 33.599+/-0.005 χ^2/NDF:13693958.8/51

Out: 34.737+/-0.005 χ^2/NDF:17887051.2/58

All: 34.150+/-0.003 χ^2/NDF: 31608199.2/110

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 42.8/28

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

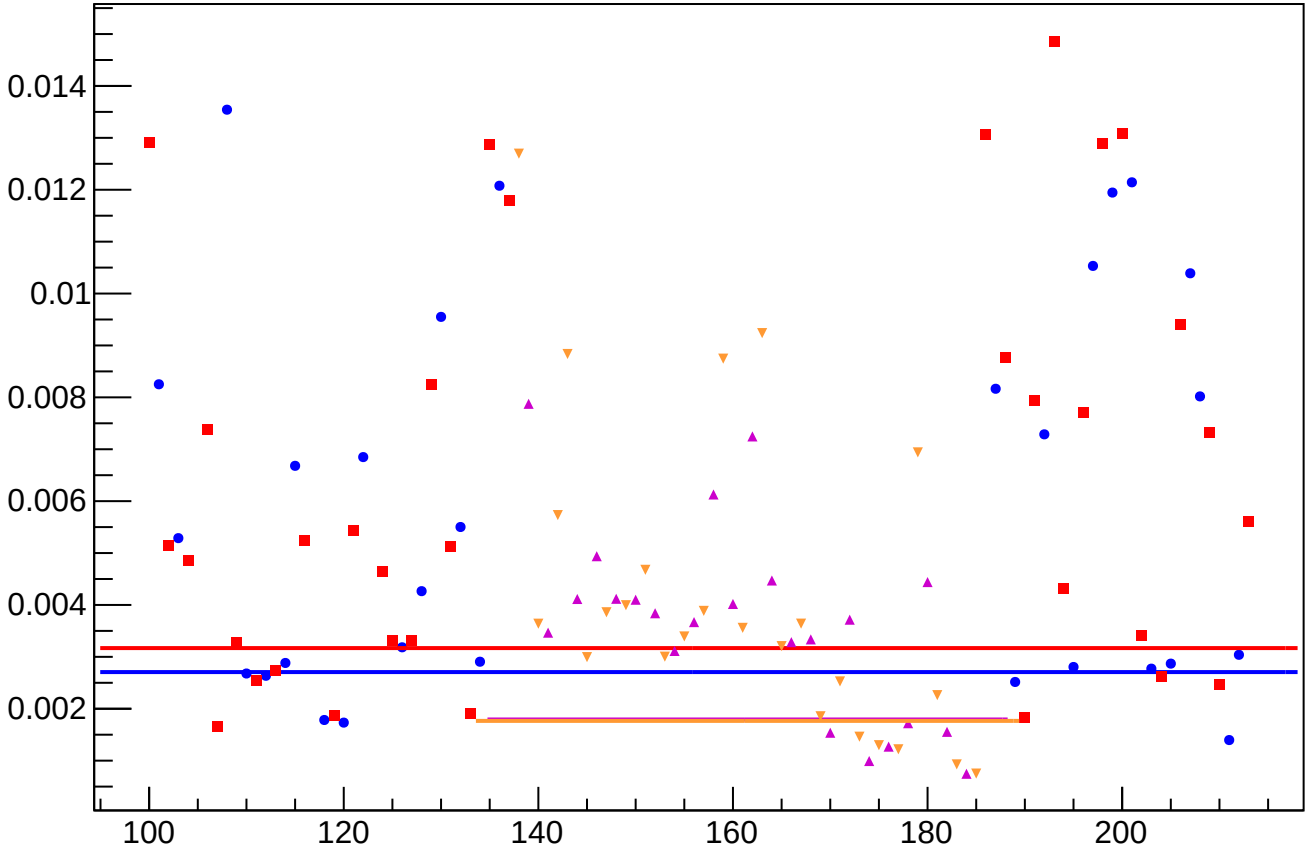
Right: 0.000+/-0.000 χ^2/NDF: 113.9/62

In: 0.000+/-0.000 χ^2/NDF:67.5/51

Out: -0.000+/-0.000 χ^2/NDF:99.4/58

All: -0.000+/-0.000 χ^2/NDF: 167.1/110

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: 11049099.9/28

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

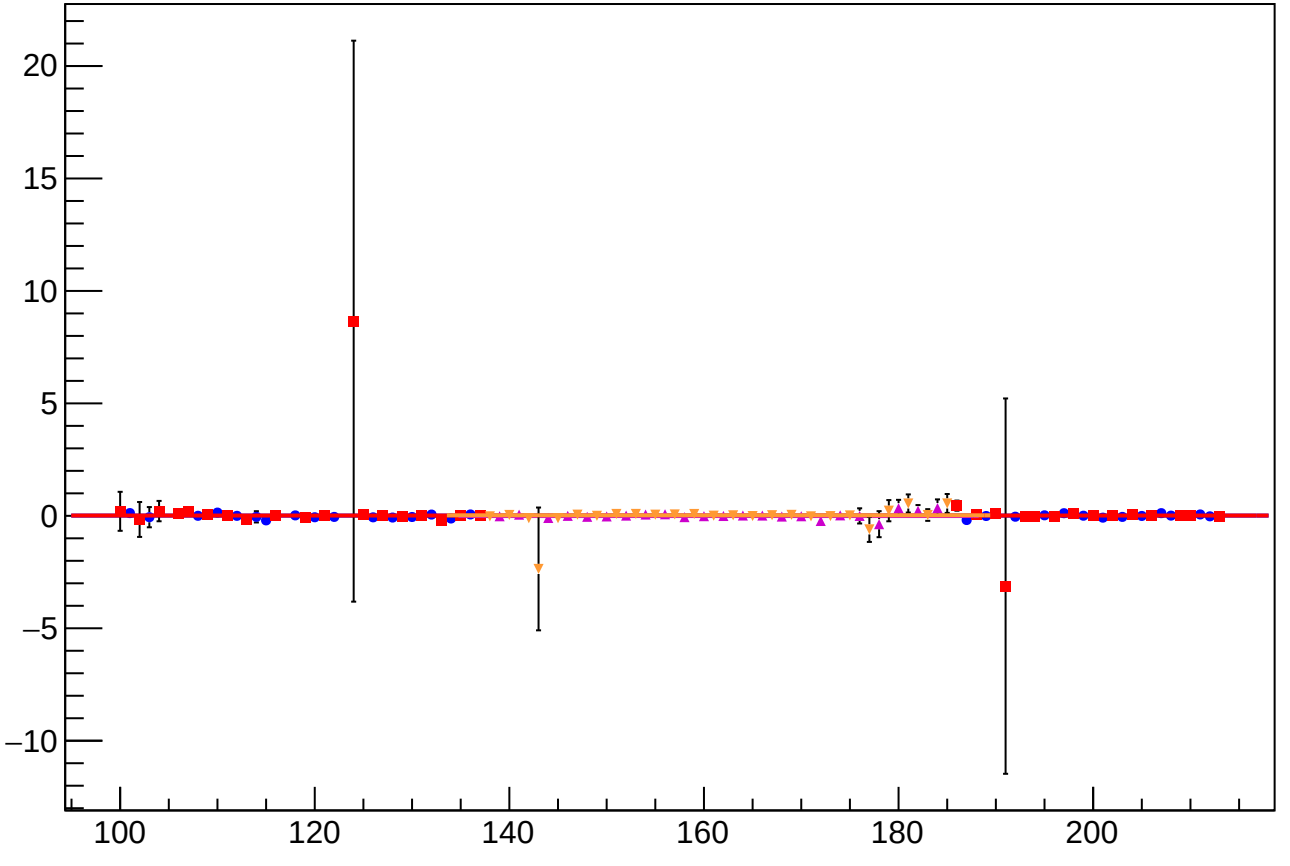
Right: 0.003+/-0.000 χ^2/NDF: 22071654.7/62

In: 0.002+/-0.000 χ^2/NDF:23517351.3/51

Out: 0.002+/-0.000 χ^2/NDF:27413442.4/58

All: 0.002+/-0.000 χ^2/NDF: 50942419.9/110

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.009 χ^2/NDF: 45.0/28

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

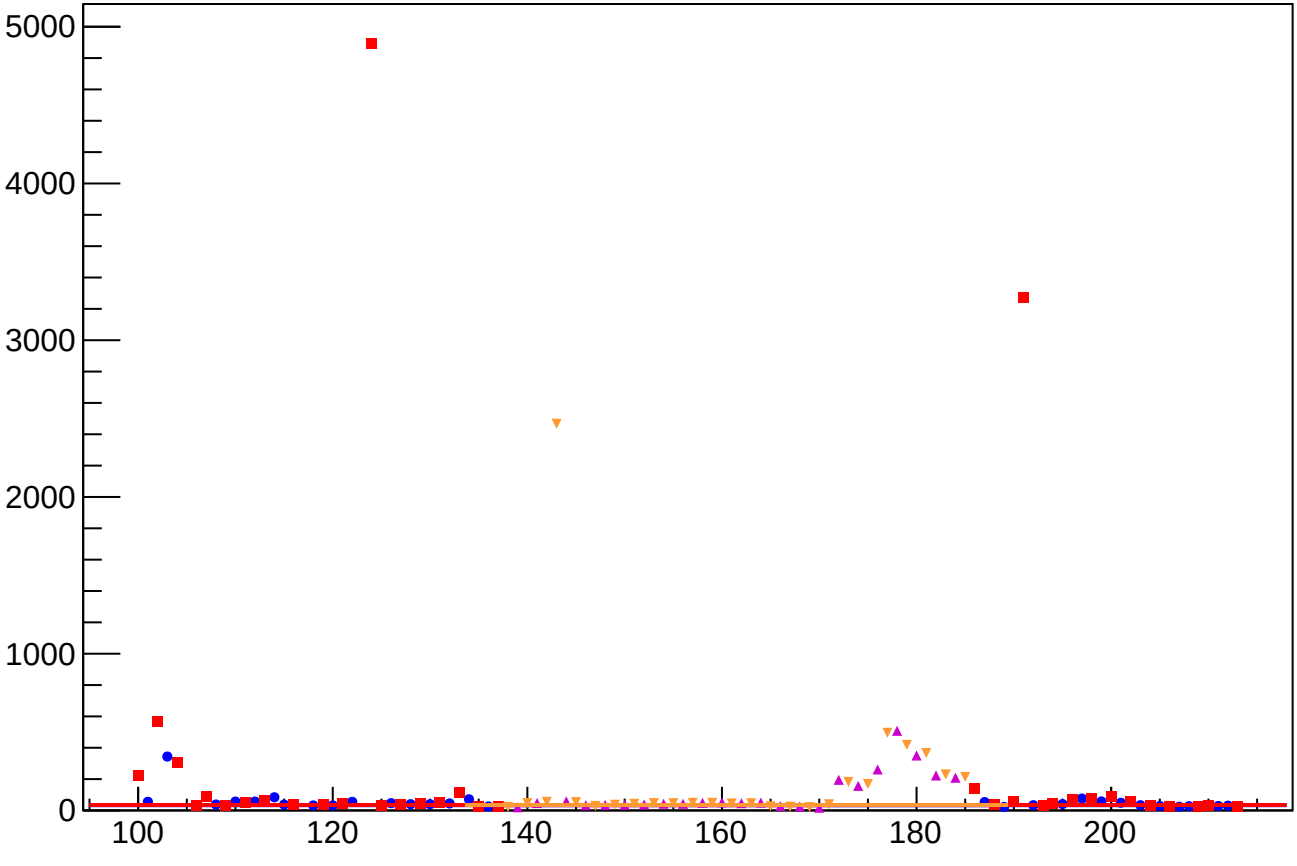
Right: 0.012+/-0.007 χ^2/NDF: 69.1/62

In: 0.001+/-0.007 χ^2/NDF:62.0/51

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.4/110

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.607+/-0.007 χ^2/NDF: 3625148.8/28

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

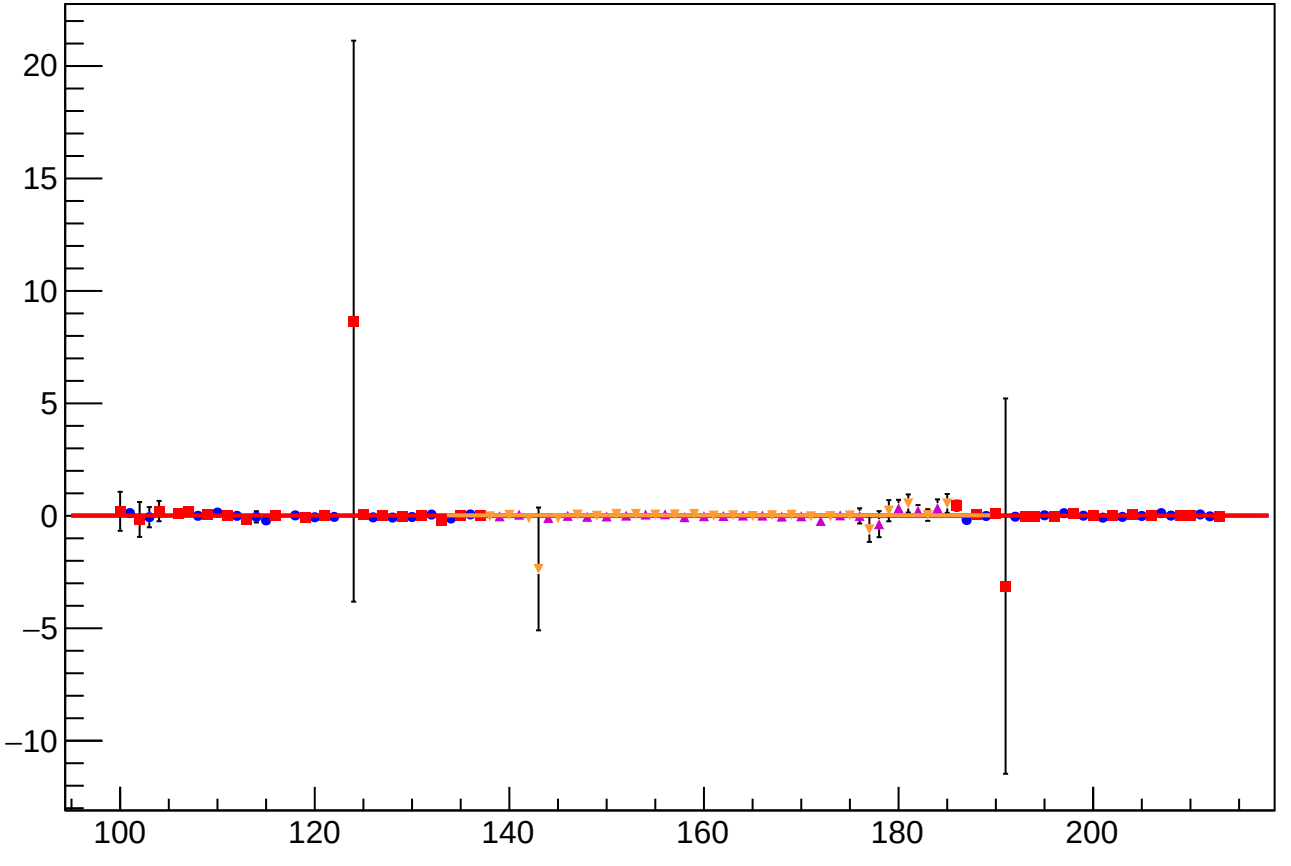
Right: 34.201+/-0.005 χ^2/NDF: 10126102.4/62

In: 33.601+/-0.005 χ^2/NDF:13691347.2/51

Out: 34.736+/-0.005 χ^2/NDF:17887123.1/58

All: 34.152+/-0.003 χ^2/NDF: 31605514.4/110

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.009 χ^2/NDF: 45.0/28

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

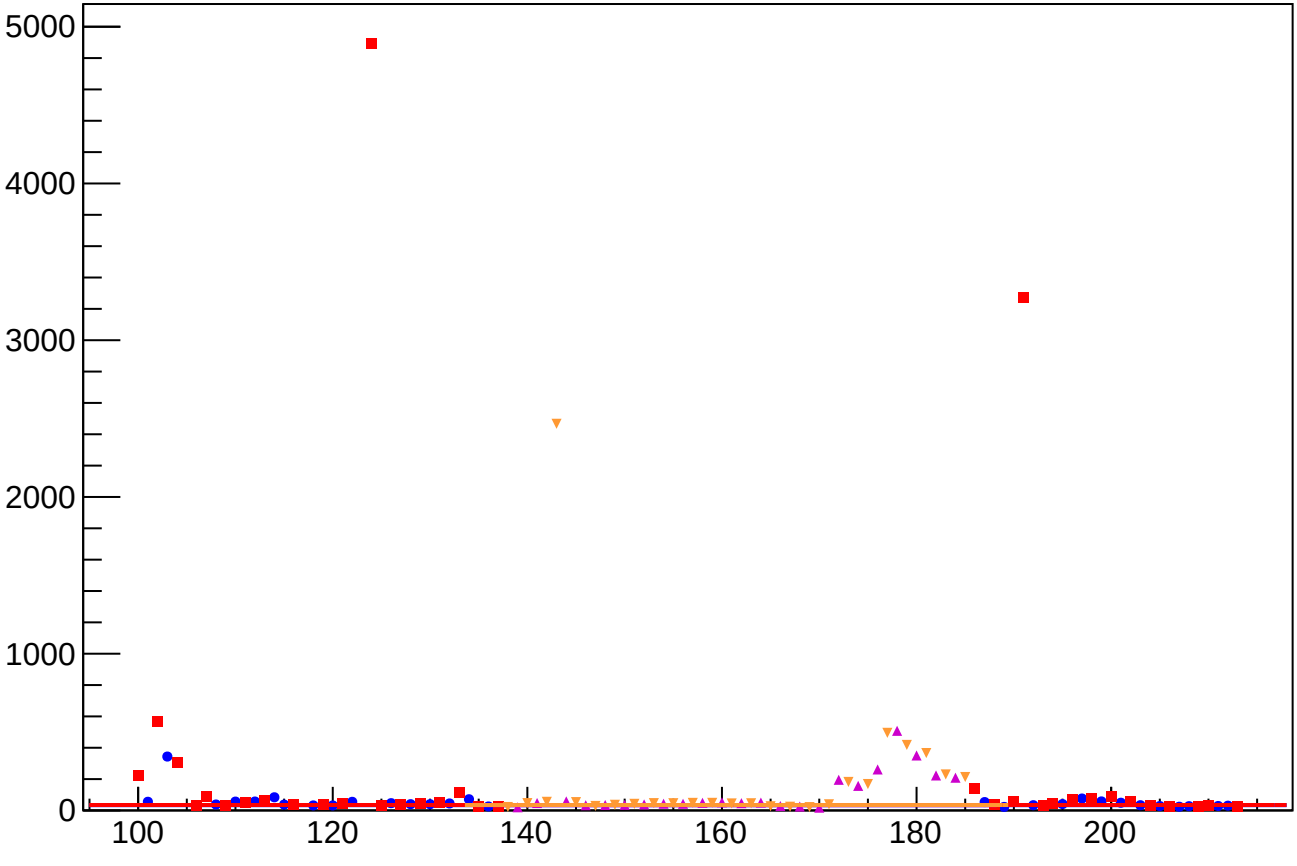
Right: 0.012+/-0.007 χ^2/NDF: 69.1/62

In: 0.001+/-0.007 χ^2/NDF:62.0/51

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.4/110

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.607+/-0.007 χ^2/NDF: 3625148.8/28

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

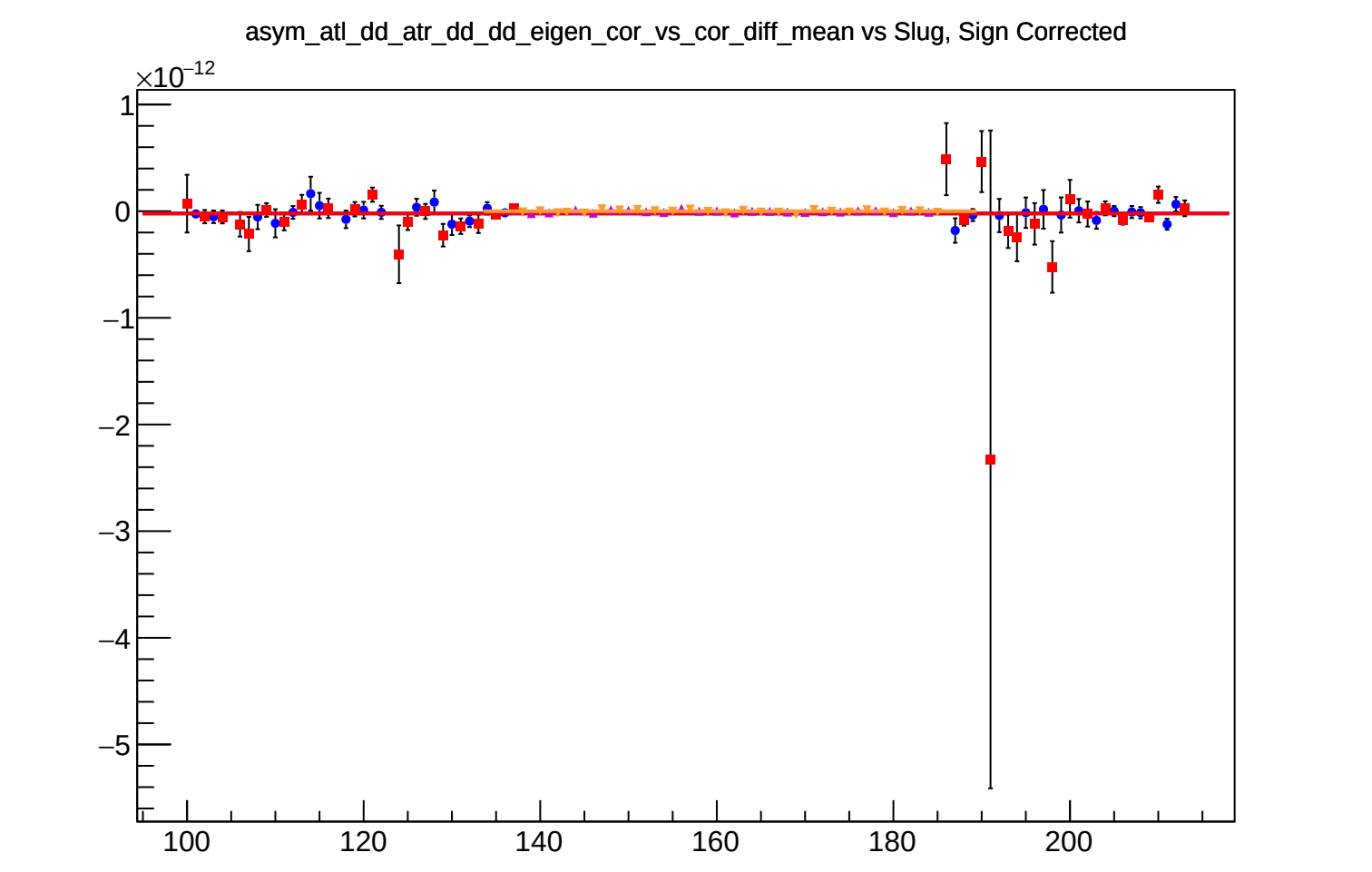
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 34.201+/-0.005 χ^2/NDF: 10126102.4/62

In: 33.601+/-0.005 χ^2/NDF:13691347.2/51

Out: 34.736+/-0.005 χ^2/NDF:17887123.1/58

All: 34.152+/-0.003 χ^2/NDF: 31605514.4/110



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/28

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

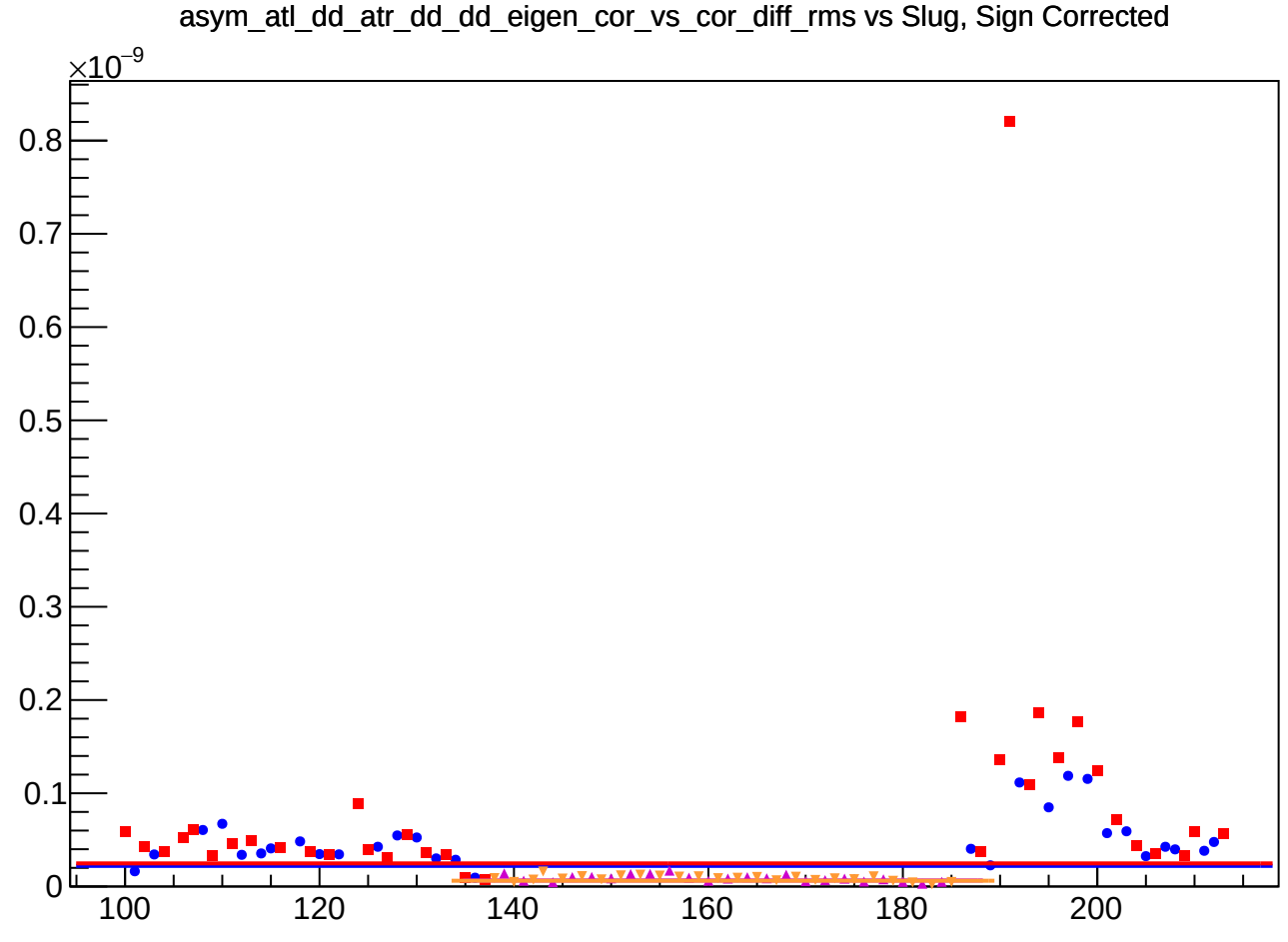
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 67.6/62

In: -0.000+/-0.000 χ^2/NDF:41.3/51

Out: -0.000+/-0.000 χ^2/NDF:81.2/58

All: -0.000+/-0.000 χ^2/NDF: 123.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 7778510.5/28

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

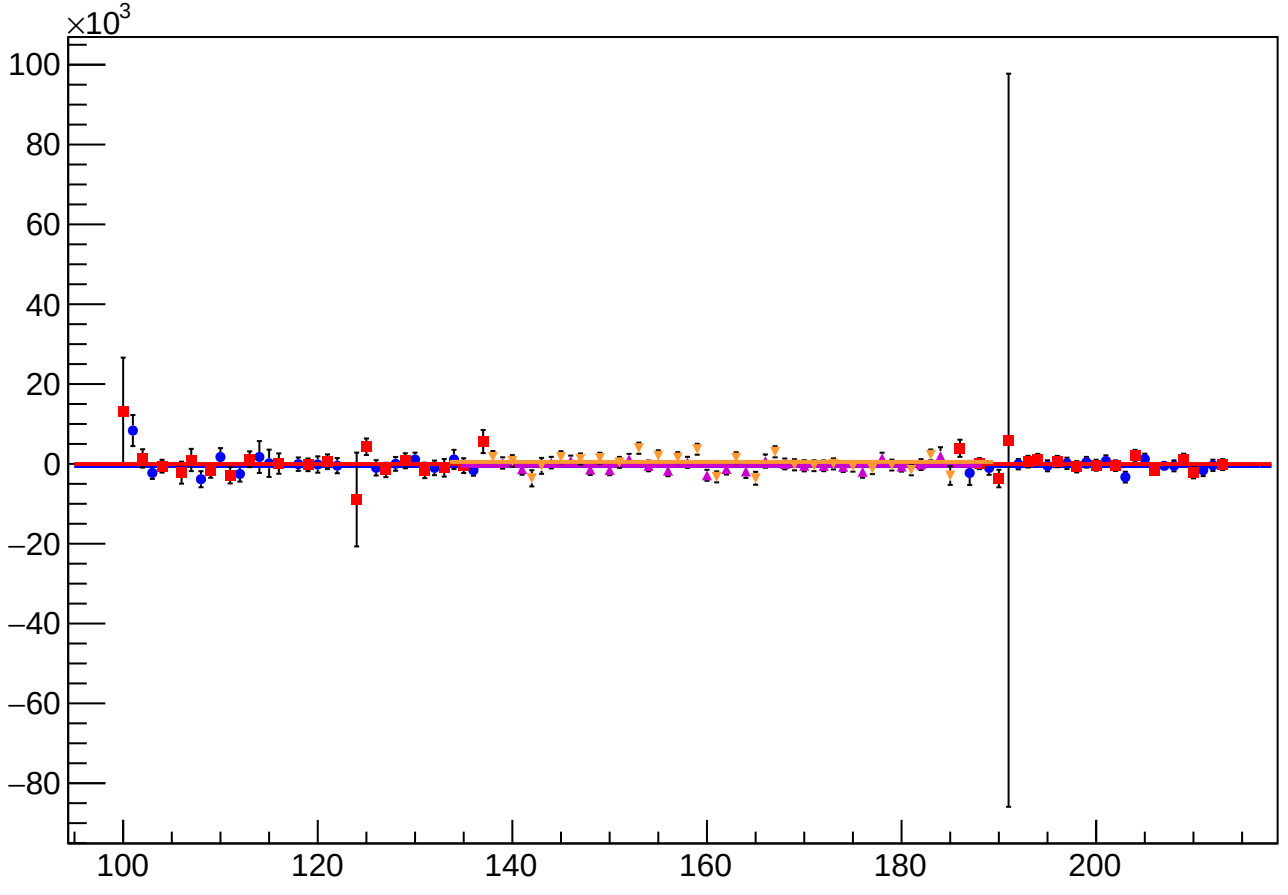
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 18354878.7/62

In: 0.000+/-0.000 χ^2/NDF:17658639.6/51

Out: 0.000+/-0.000 χ^2/NDF:22522390.8/58

All: 0.000+/-0.000 χ^2/NDF: 40214400.3/110



Right In: -521.752+/-308.382 χ^2/NDF: 22.4/28

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

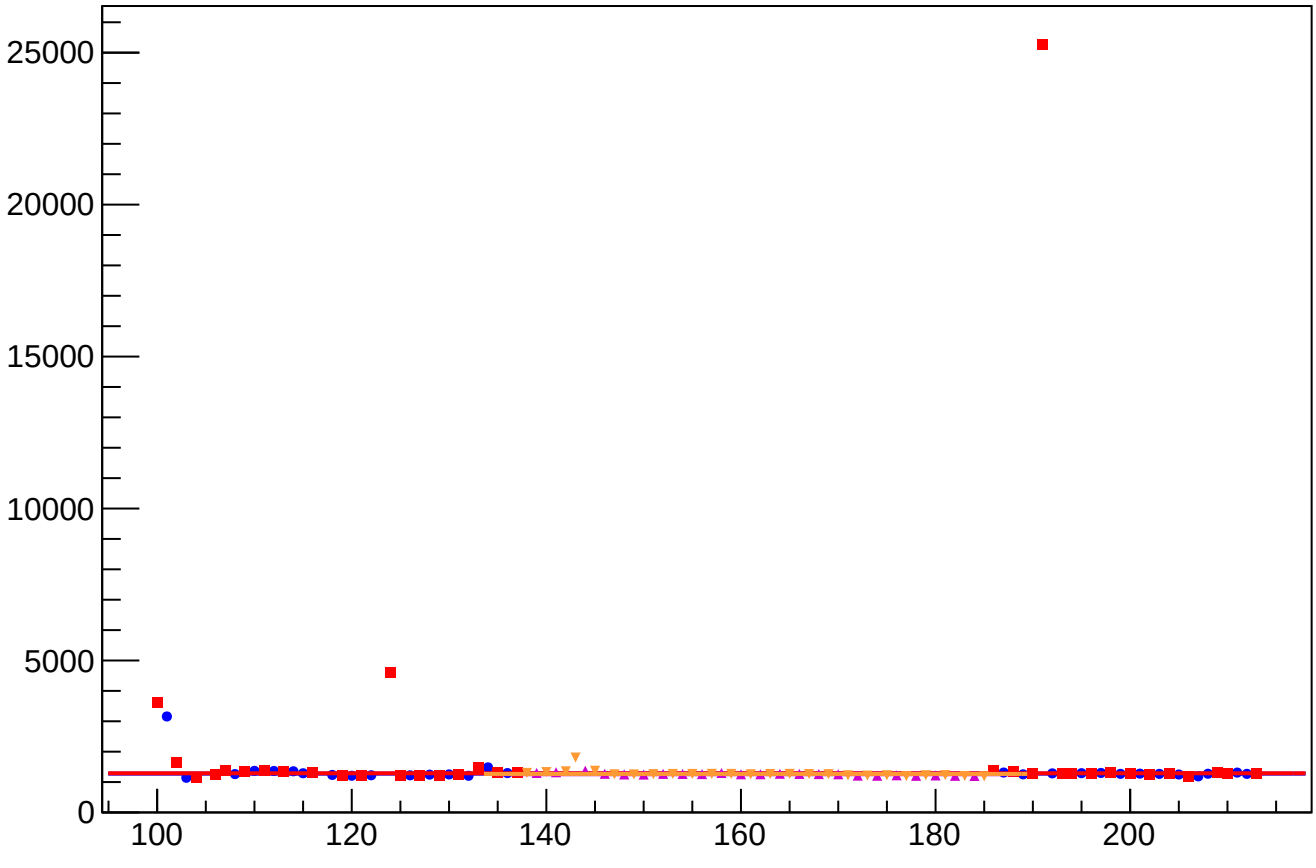
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -276.540+/-215.295 χ^2/NDF: 54.8/62

In: -503.440+/-212.704 χ^2/NDF:36.9/51

Out: 235.437+/-208.181 χ^2/NDF:79.7/58

All: -126.061+/-148.780 χ^2/NDF: 122.7/110



Right In: 1277.449+/-0.218 χ^2/NDF: 529519.6/28

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

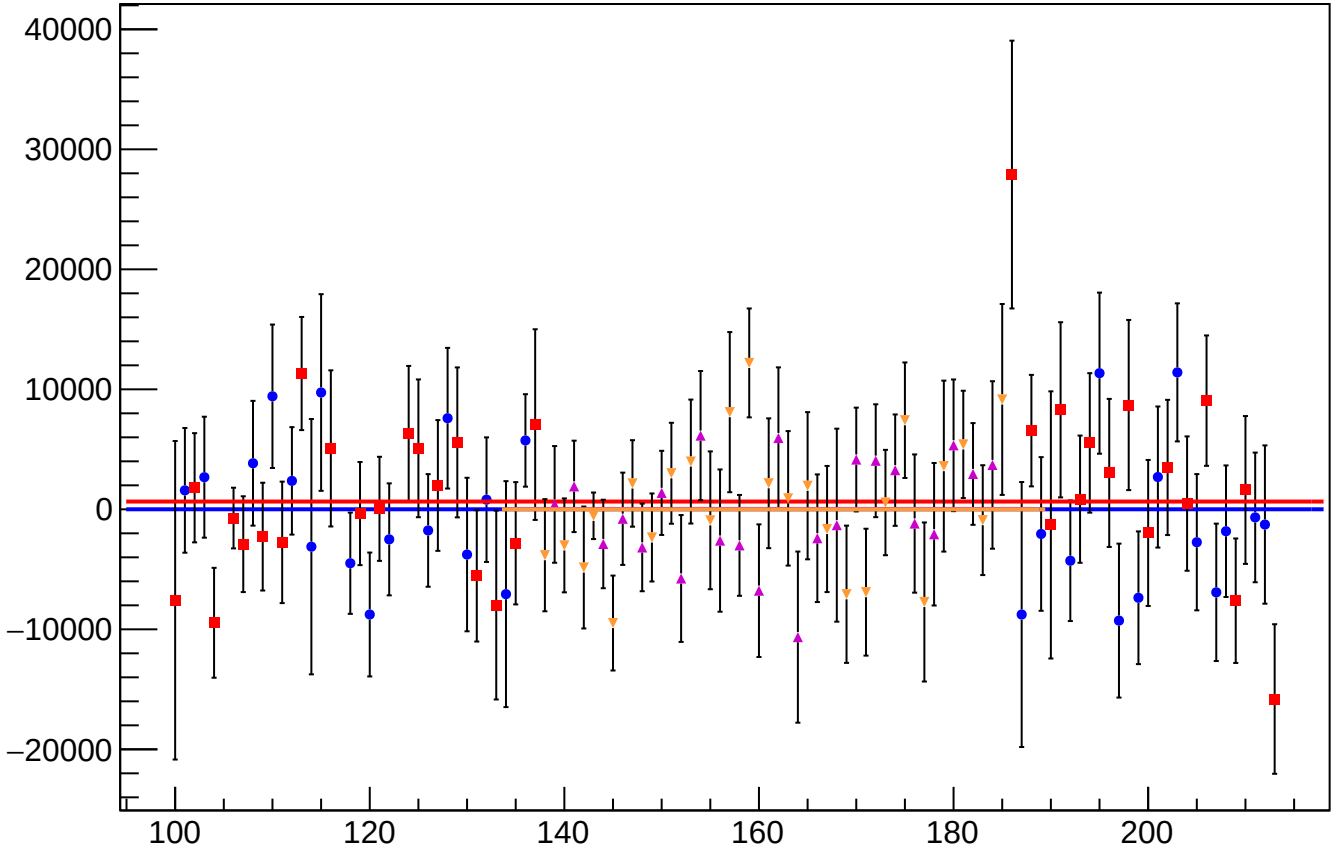
Right: 1283.454+/-0.152 χ^2/NDF: 1013744.3/62

In: 1267.018+/-0.150 χ^2/NDF:570701.0/51

Out: 1277.611+/-0.147 χ^2/NDF:675966.6/58

All: 1272.431+/-0.105 χ^2/NDF: 1249202.7/11

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 3.281+/-1035.844 χ^2/NDF: 28.6/28

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

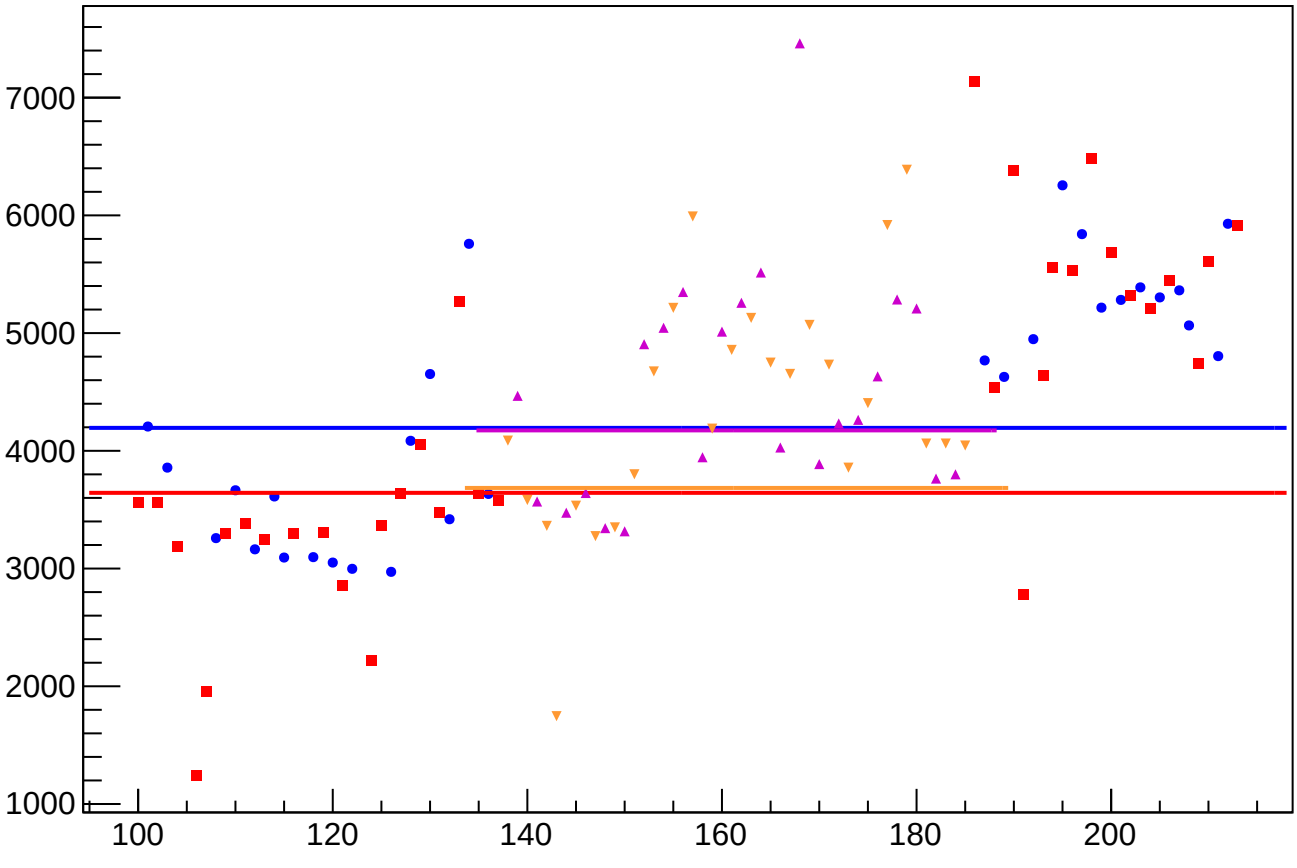
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 368.368+/-682.276 χ^2/NDF: 70.9/62

In: 18.001+/-717.707 χ^2/NDF:42.7/51

Out: 316.432+/-633.887 χ^2/NDF:71.3/58

All: 185.653+/-475.110 χ^2/NDF: 114.1/110



Right In: 4194.989+/-0.732 χ^2/NDF: 1868191.1/28

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

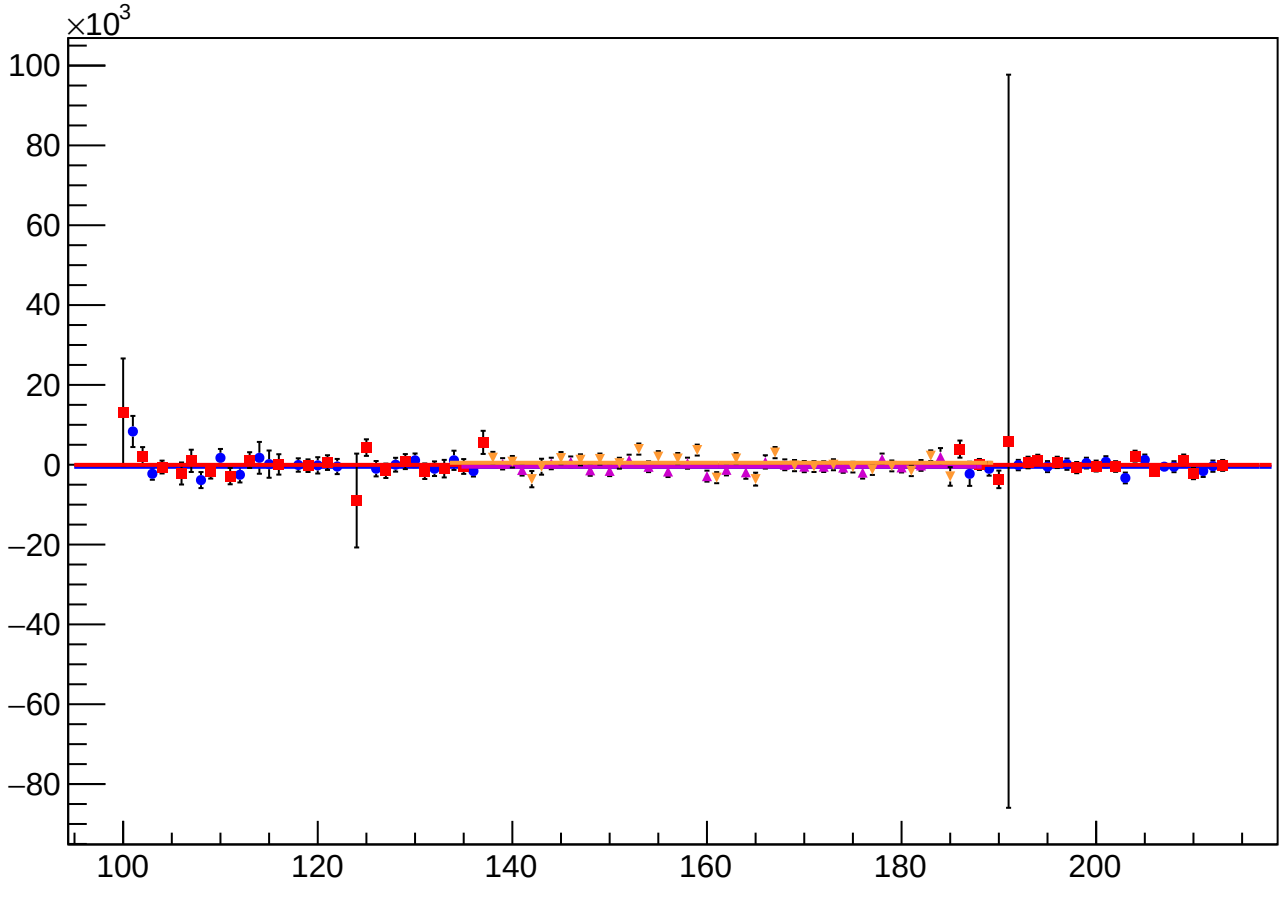
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3882.527+/-0.482 χ^2/NDF: 7269037.3/62

In: 4183.845+/-0.507 χ^2/NDF:3143604.7/51

Out: 3664.401+/-0.448 χ^2/NDF:8775216.7/58

All: 3892.033+/-0.336 χ^2/NDF: 12507364.9/



Right In: -521.891+/-308.382 χ^2/NDF: 22.4/28

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

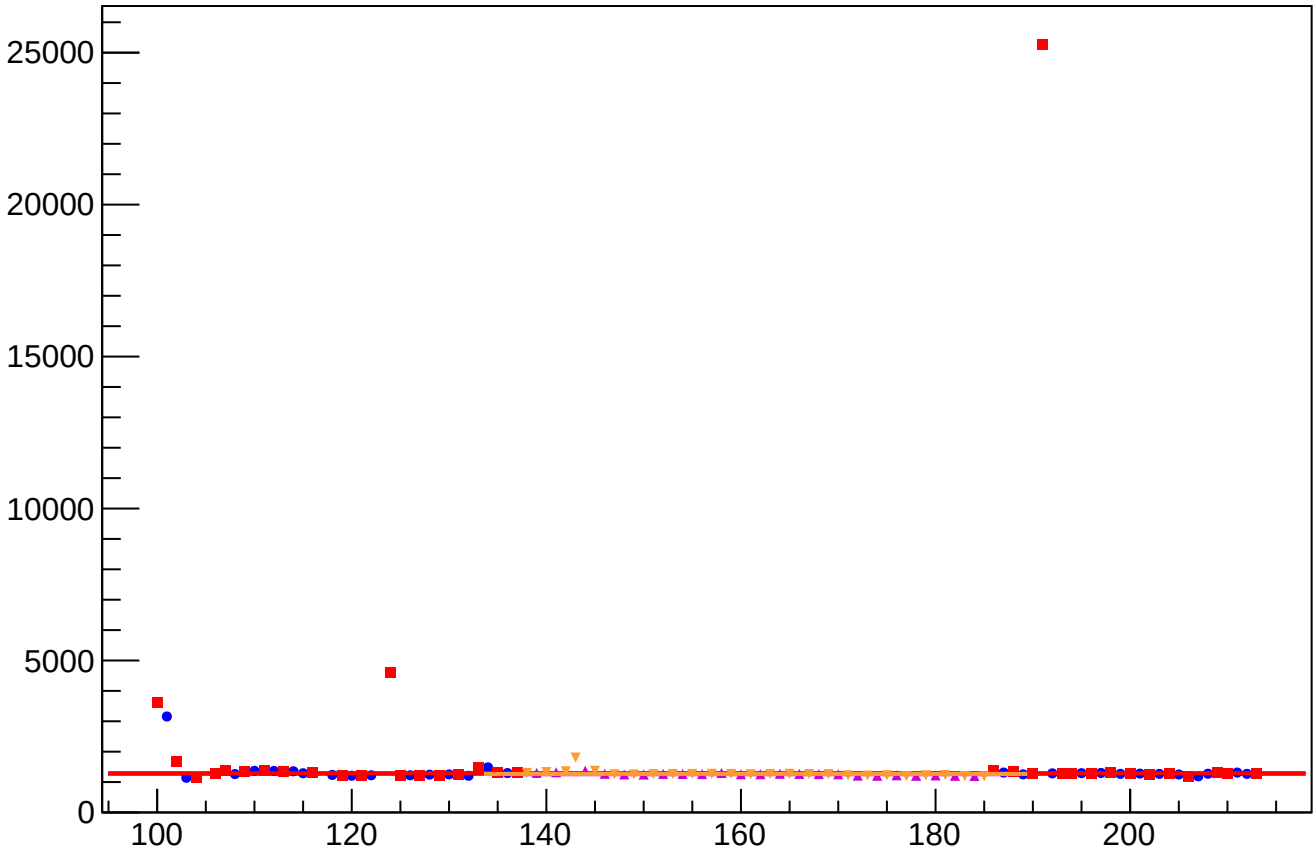
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -271.026+/-215.323 χ^2/NDF: 55.3/62

In: -503.453+/-212.704 χ^2/NDF:36.9/51

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -123.379+/-148.789 χ^2/NDF: 123.2/110



Right In: 1277.449+/-0.218 χ^2/NDF: 529521.0/28

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

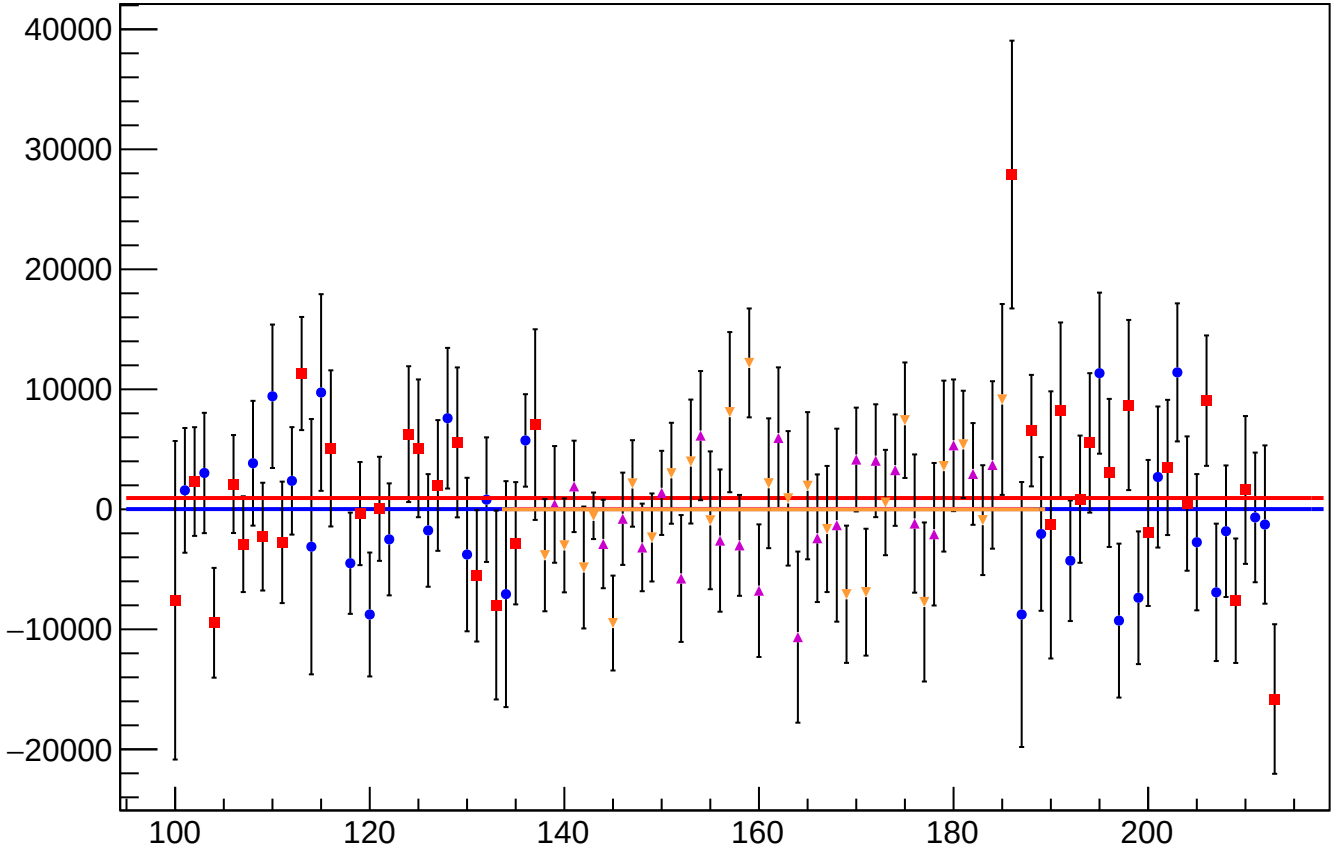
Right: 1283.841+/-0.152 χ^2/NDF: 1020820.8/62

In: 1267.018+/-0.150 χ^2/NDF:570702.4/51

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1272.613+/-0.105 χ^2/NDF: 1256648.4/11

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 19.340+/-1035.627 χ^2/NDF: 28.7/28

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

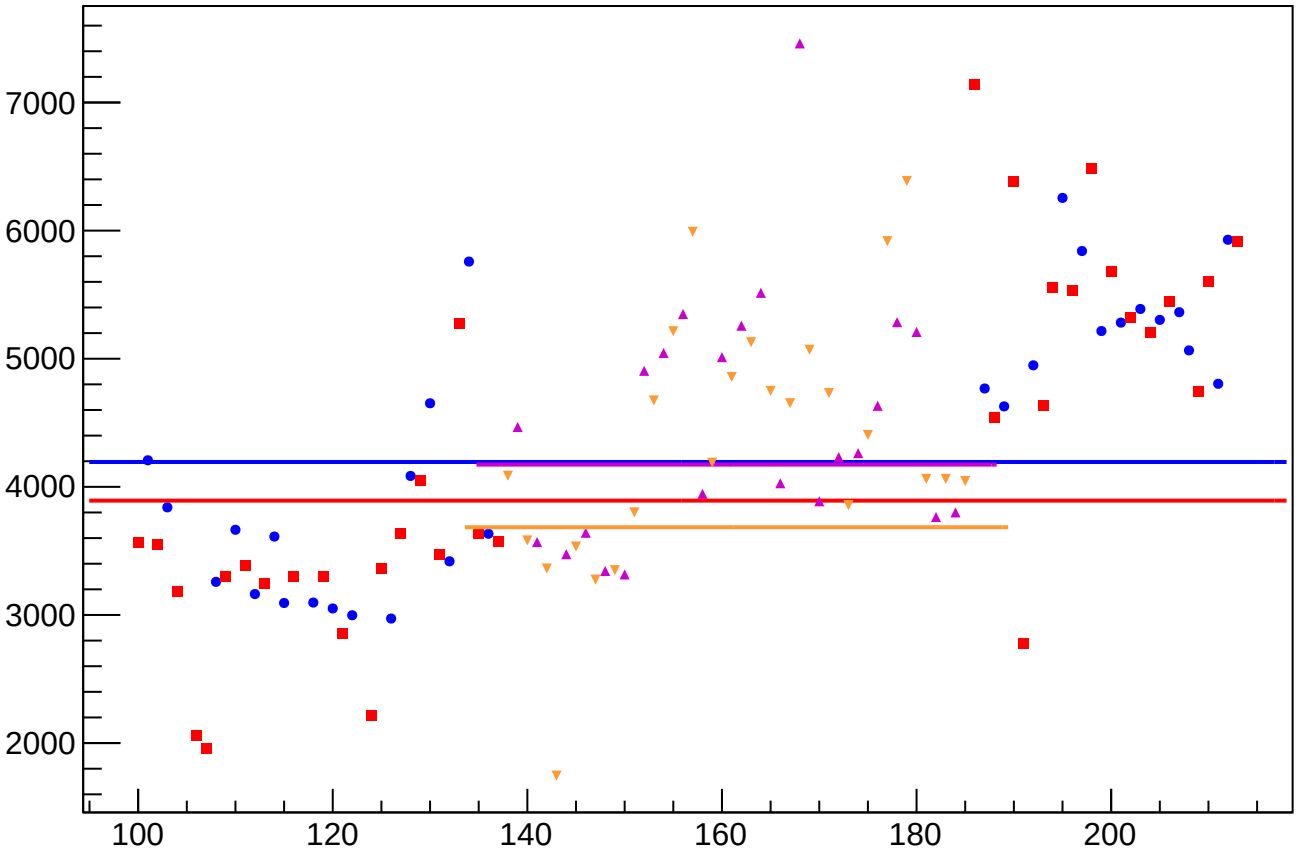
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 521.988+/-697.934 χ^2/NDF: 71.0/62

In: 25.711+/-717.634 χ^2/NDF:42.8/51

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 254.408+/-480.304 χ^2/NDF: 114.4/110



Right In: 4194.141+/-0.732 χ^2/NDF: 1869244.5/28

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

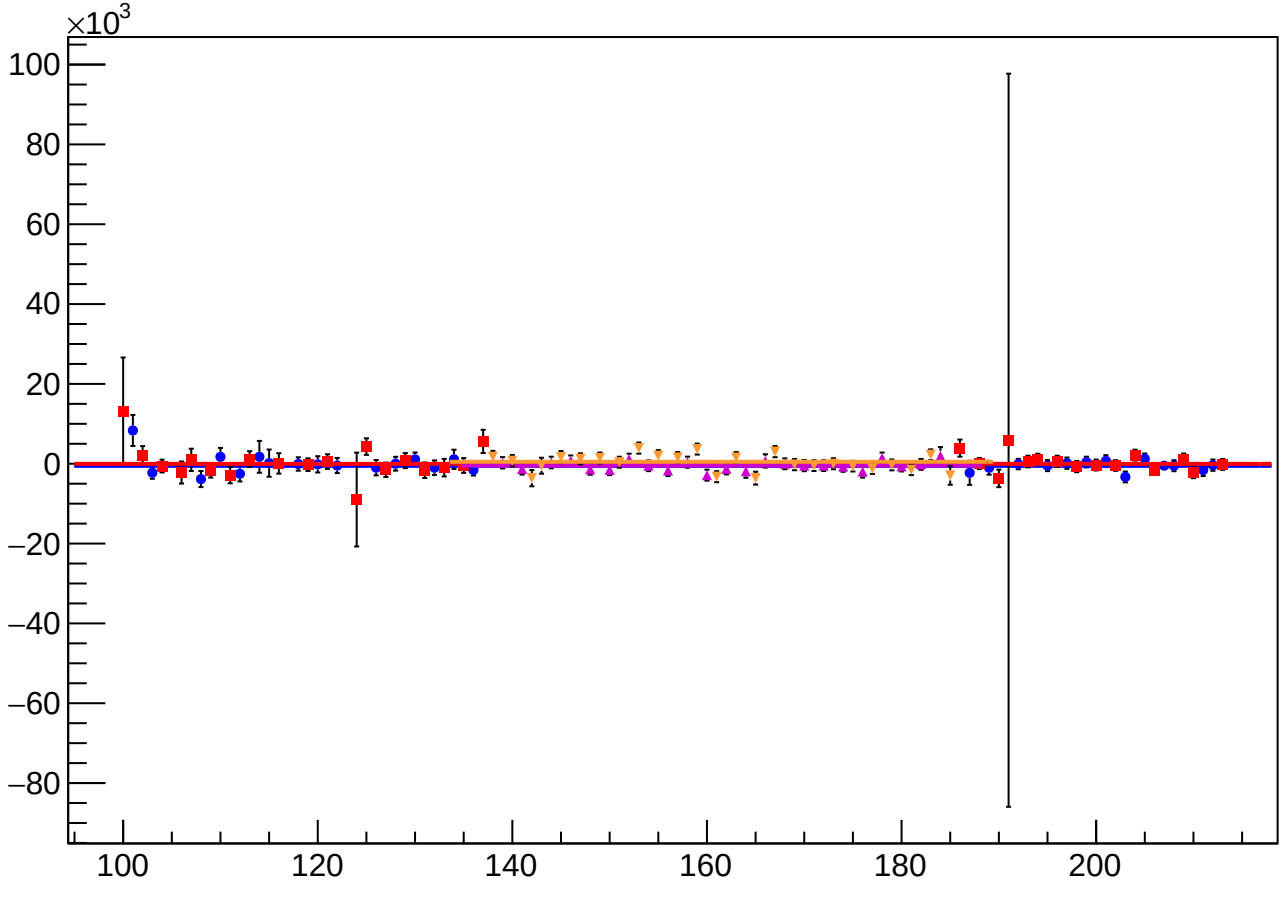
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4029.499+/-0.494 χ^2/NDF: 5399978.4/62

In: 4183.437+/-0.507 χ^2/NDF:3144623.0/51

Out: 3782.036+/-0.457 χ^2/NDF:7183241.0/58

All: 3961.843+/-0.340 χ^2/NDF: 10673295.3/1



Right In: -521.891+/-308.382 χ^2/NDF: 22.4/28

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

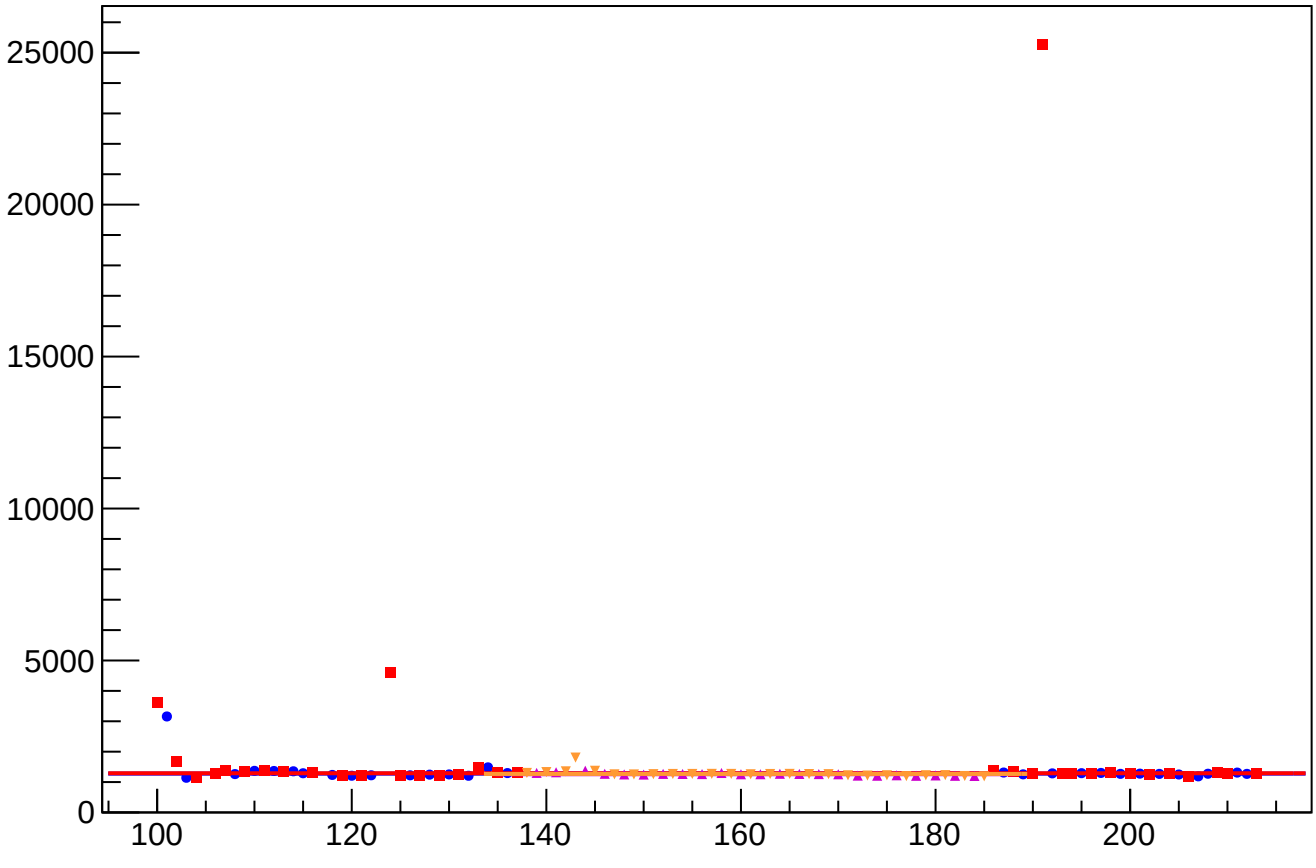
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -271.026+/-215.323 χ^2/NDF: 55.3/62

In: -503.453+/-212.704 χ^2/NDF:36.9/51

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -123.379+/-148.789 χ^2/NDF: 123.2/110



Right In: 1277.449+/-0.218 χ^2/NDF: 529521.0/28

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

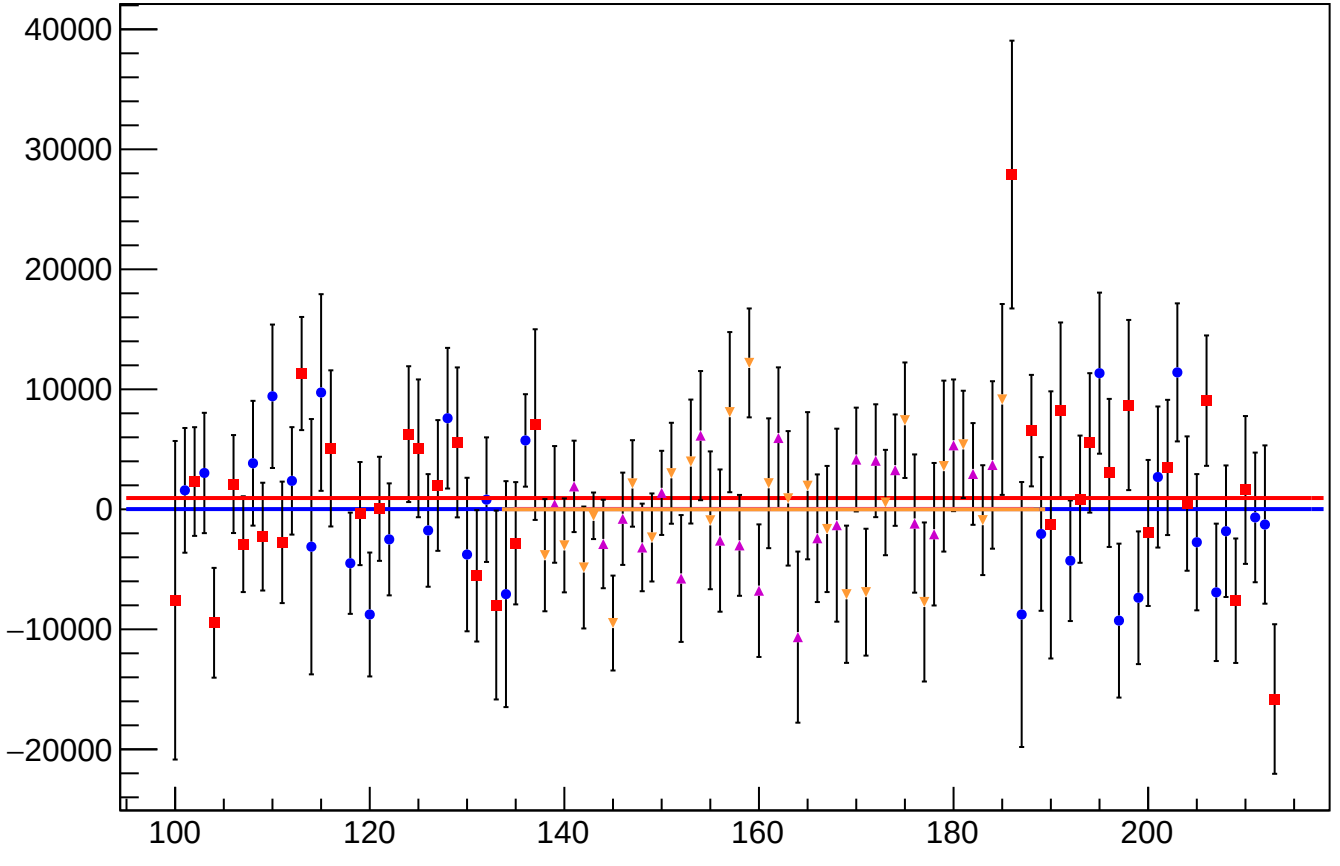
Right: 1283.841+/-0.152 χ^2/NDF: 1020820.8/62

In: 1267.018+/-0.150 χ^2/NDF:570702.4/51

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1272.613+/-0.105 χ^2/NDF: 1256648.4/11

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 19.340+/-1035.627 χ^2/NDF: 28.7/28

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

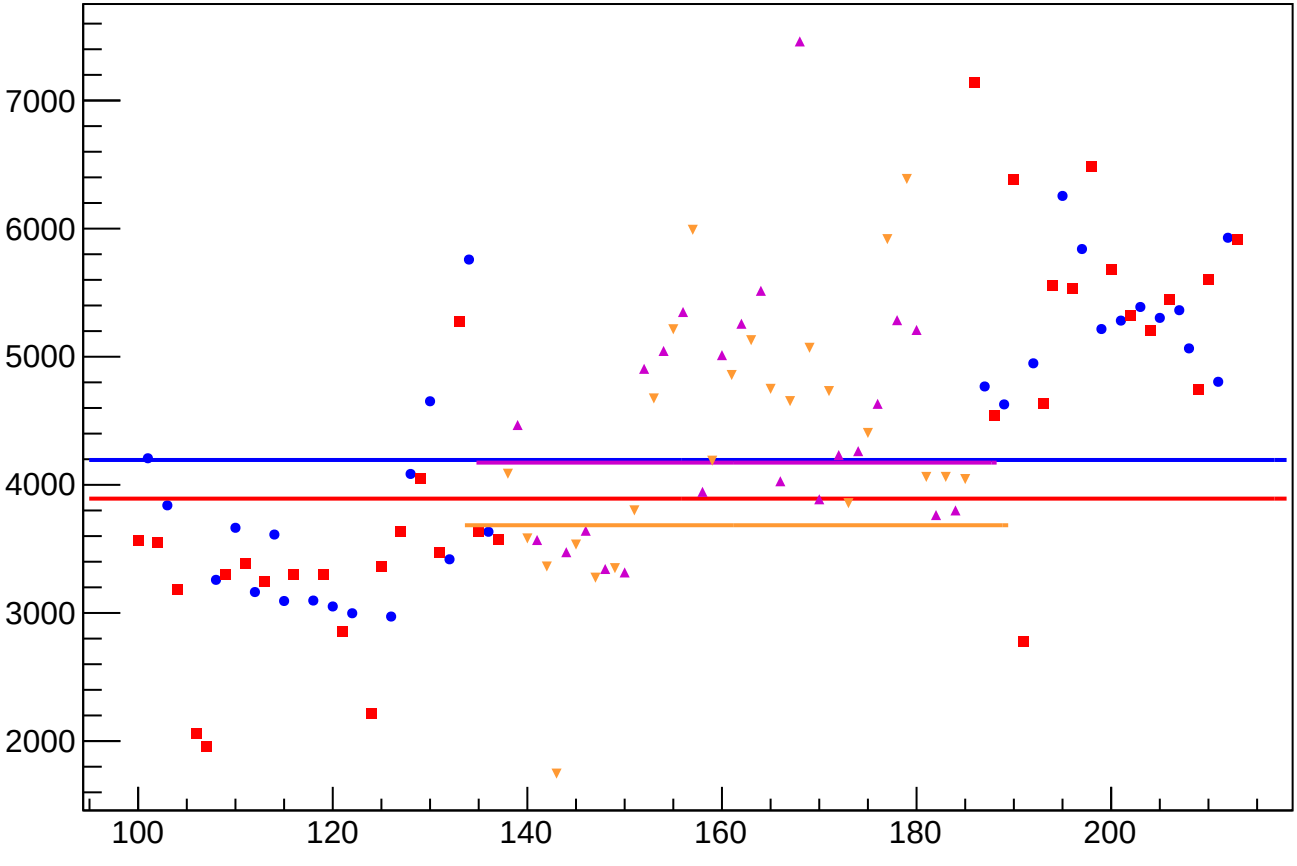
Right: 521.988+/-697.934 χ^2/NDF: 71.0/62

In: 25.711+/-717.634 χ^2/NDF:42.8/51

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 254.408+/-480.304 χ^2/NDF: 114.4/110

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4194.141+/-0.732 χ^2/NDF: 1869244.5/28

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

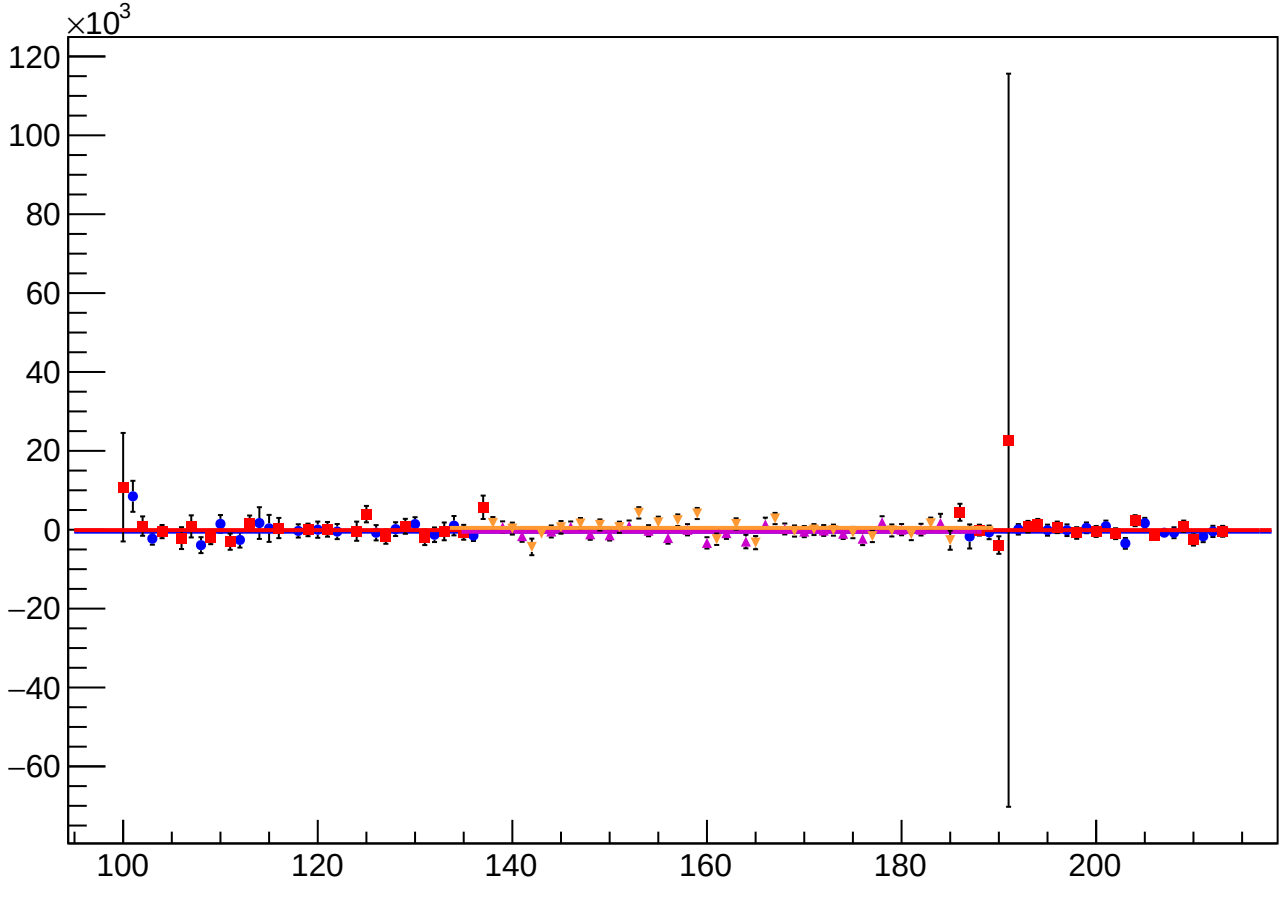
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4029.499+/-0.494 χ^2/NDF: 5399978.4/62

In: 4183.437+/-0.507 χ^2/NDF:3144623.0/51

Out: 3782.036+/-0.457 χ^2/NDF:7183241.0/58

All: 3961.843+/-0.340 χ^2/NDF: 10673295.3/1



Right In: -490.729+/-312.505 χ^2/NDF: 23.9/28

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

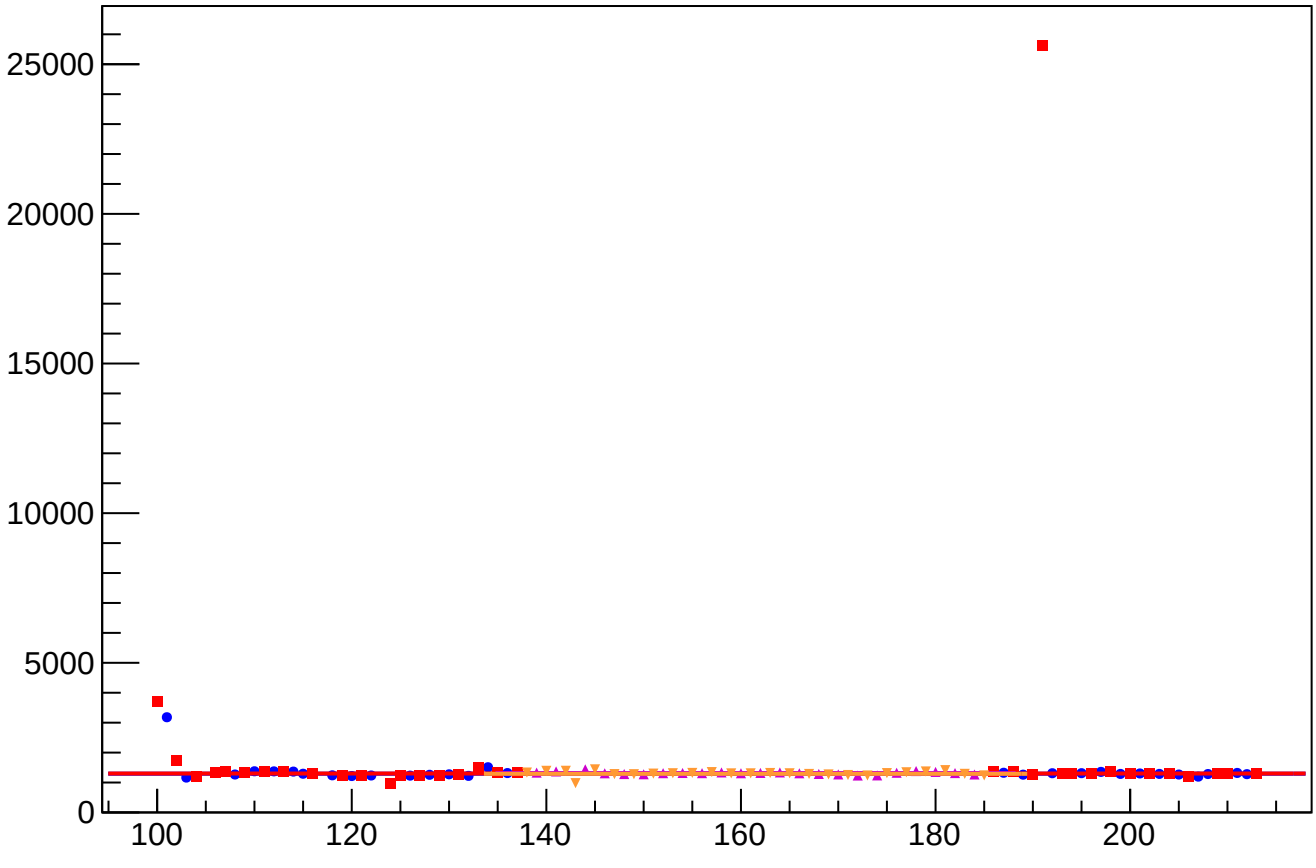
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -286.381+/-217.562 χ^2/NDF: 57.5/62

In: -497.257+/-219.022 χ^2/NDF:41.3/51

Out: 195.165+/-211.118 χ^2/NDF:78.6/58

All: -138.327+/-152.001 χ^2/NDF: 125.1/110



Right In: 1294.402+/-0.221 χ^2/NDF: 529767.8/28

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

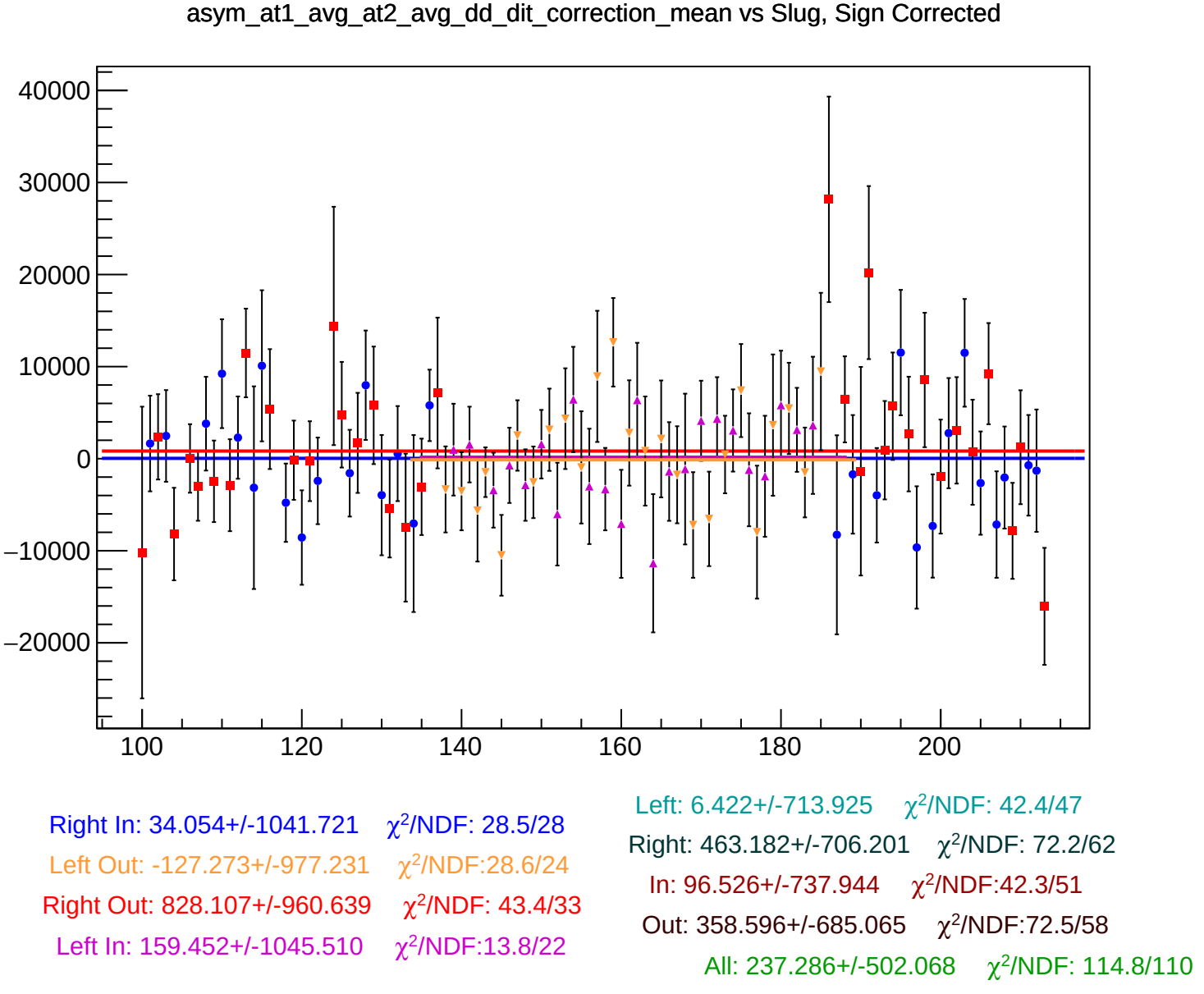
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

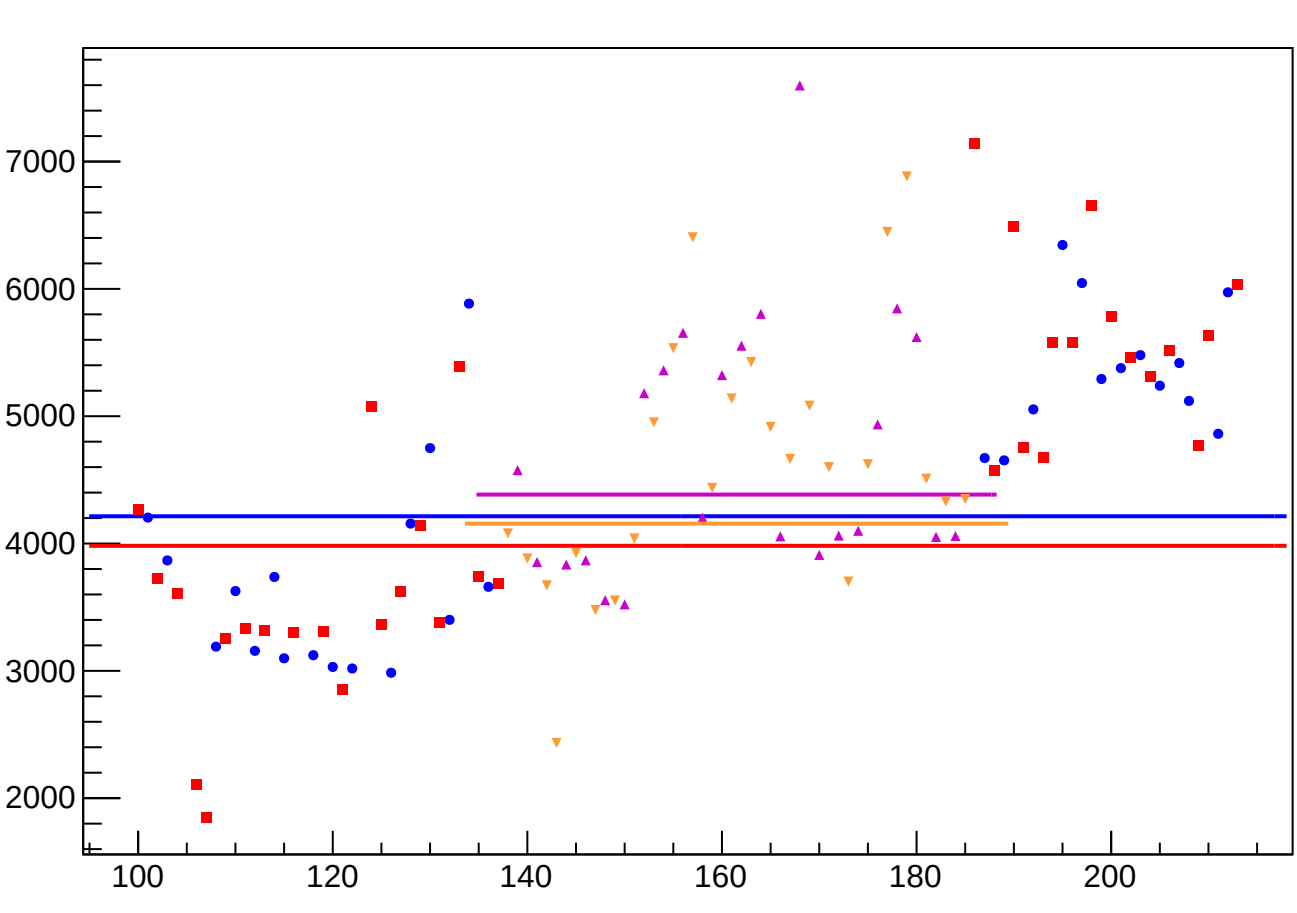
Right: 1297.788+/-0.154 χ^2/NDF: 908573.1/62

In: 1304.376+/-0.155 χ^2/NDF:576816.8/51

Out: 1295.948+/-0.149 χ^2/NDF:610152.9/58

All: 1300.007+/-0.107 χ^2/NDF: 1188505.2/11


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 34.054+/-1041.721 χ²/NDF: 28.5/28
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: 463.182+/-706.201 χ²/NDF: 72.2/62
In: 96.526+/-737.944 χ²/NDF:42.3/51
Out: 358.596+/-685.065 χ²/NDF:72.5/58
All: 237.286+/-502.068 χ²/NDF: 114.8/110



Right In: 4214.129+/-0.737 χ^2/NDF: 1962126.5/28

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

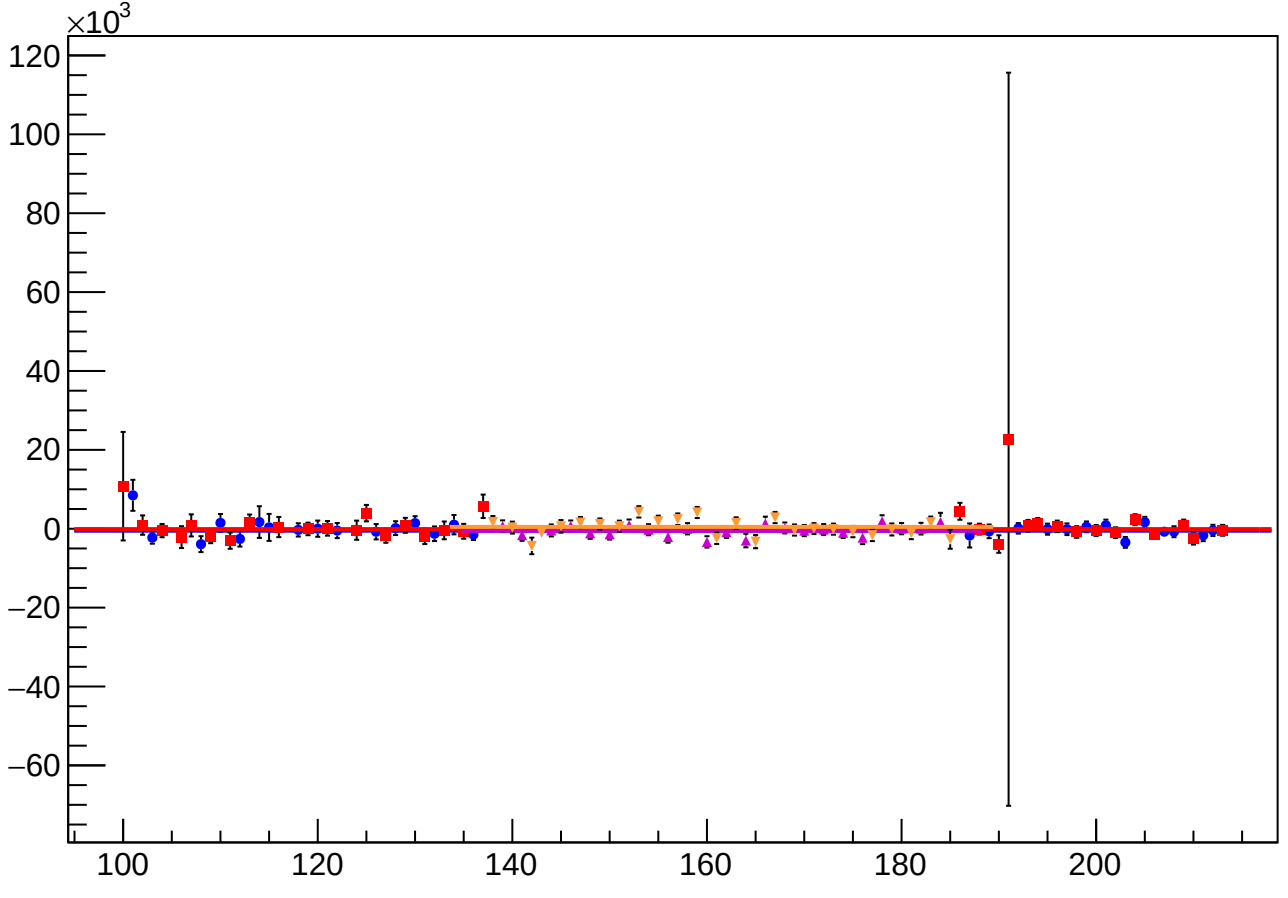
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4088.733+/-0.499 χ^2/NDF: 5500352.2/62

In: 4298.917+/-0.522 χ^2/NDF:3244192.6/51

Out: 4067.846+/-0.484 χ^2/NDF:5597793.9/58

All: 4174.807+/-0.355 χ^2/NDF: 8947312.4/11



Right In: -490.730+/-312.505 χ^2/NDF: 23.9/28

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

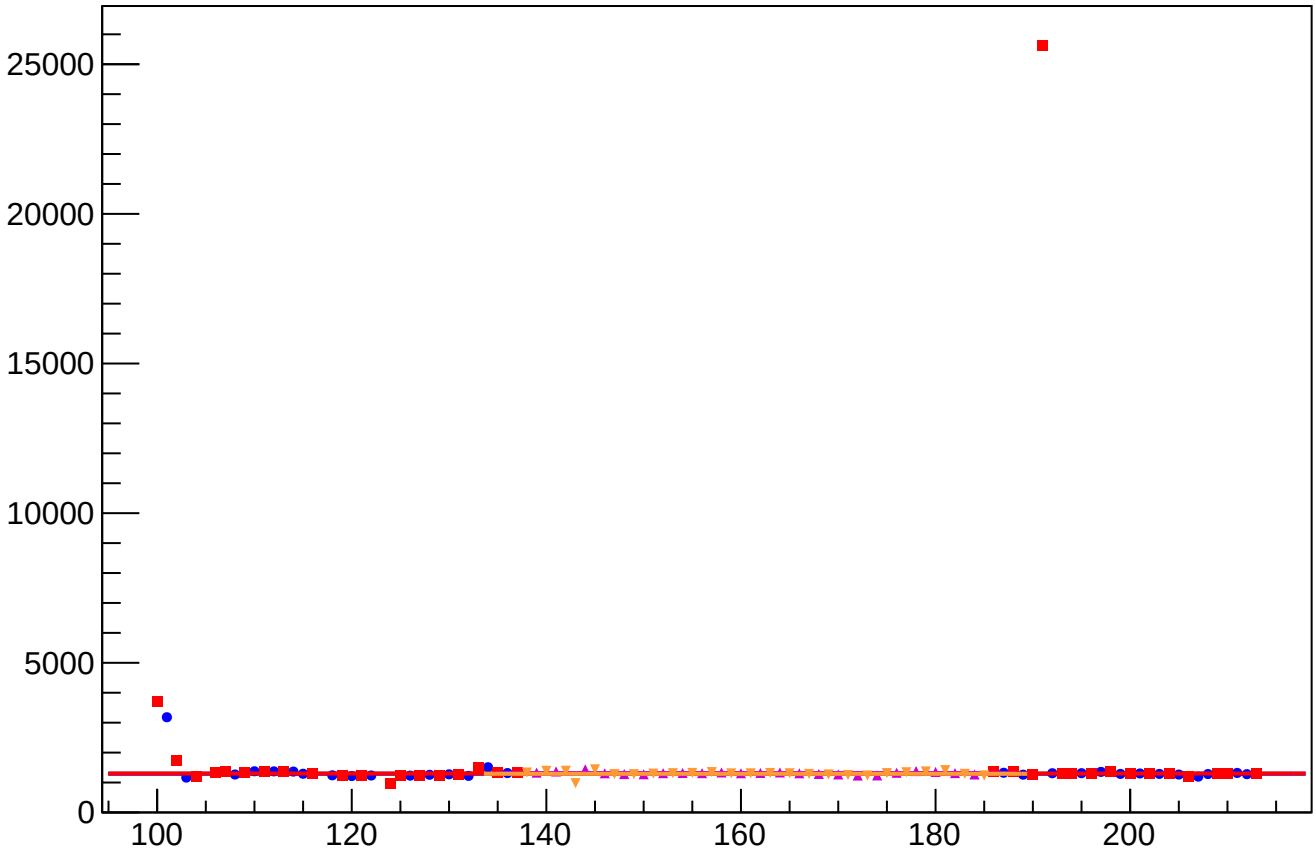
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -286.382+/-217.562 χ^2/NDF: 57.5/62

In: -497.257+/-219.022 χ^2/NDF:41.3/51

Out: 195.166+/-211.118 χ^2/NDF:78.6/58

All: -138.326+/-152.001 χ^2/NDF: 125.1/110



Right In: 1294.402+/-0.221 χ^2/NDF: 529767.9/28

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

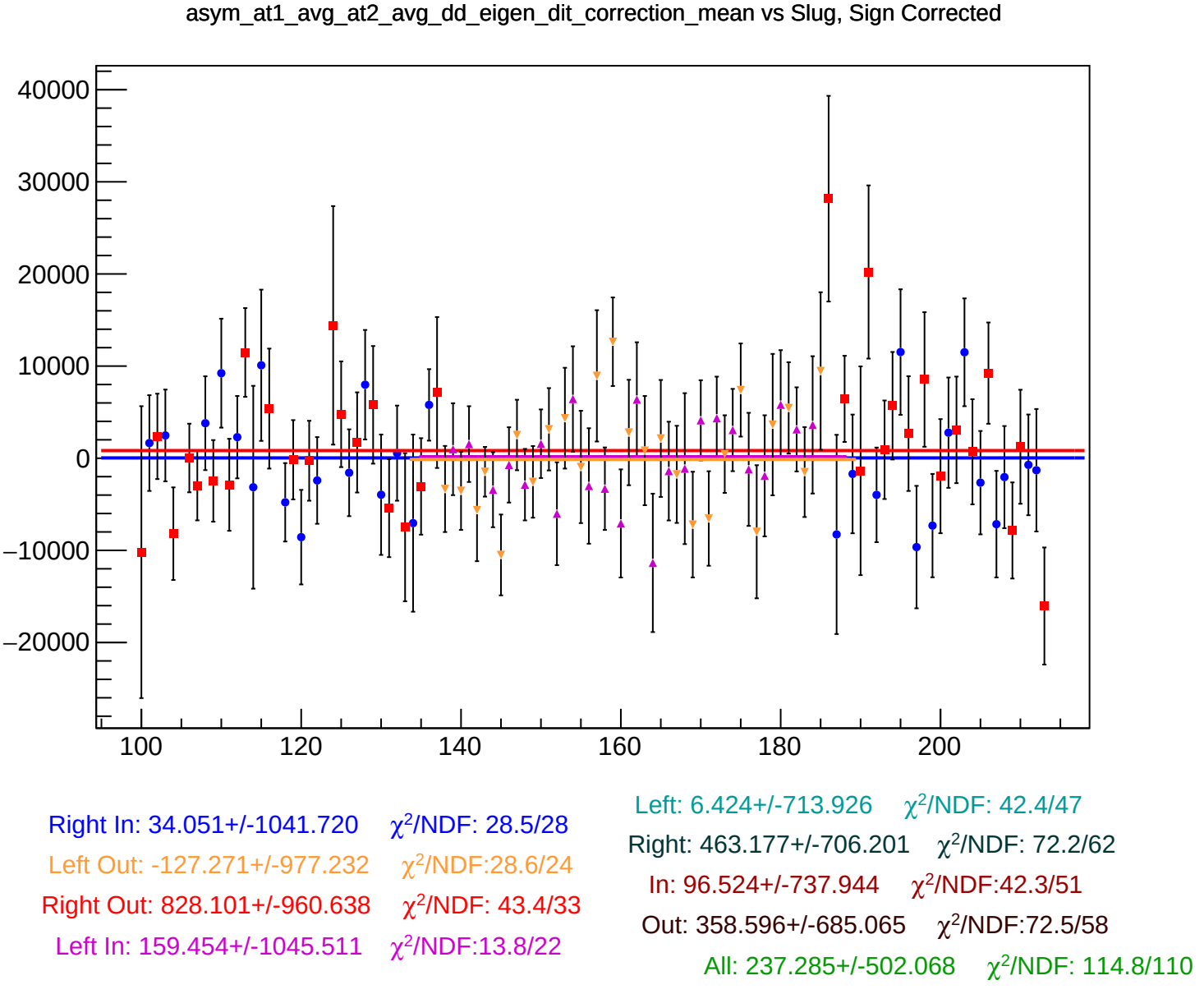
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1297.788+/-0.154 χ^2/NDF: 908573.3/62

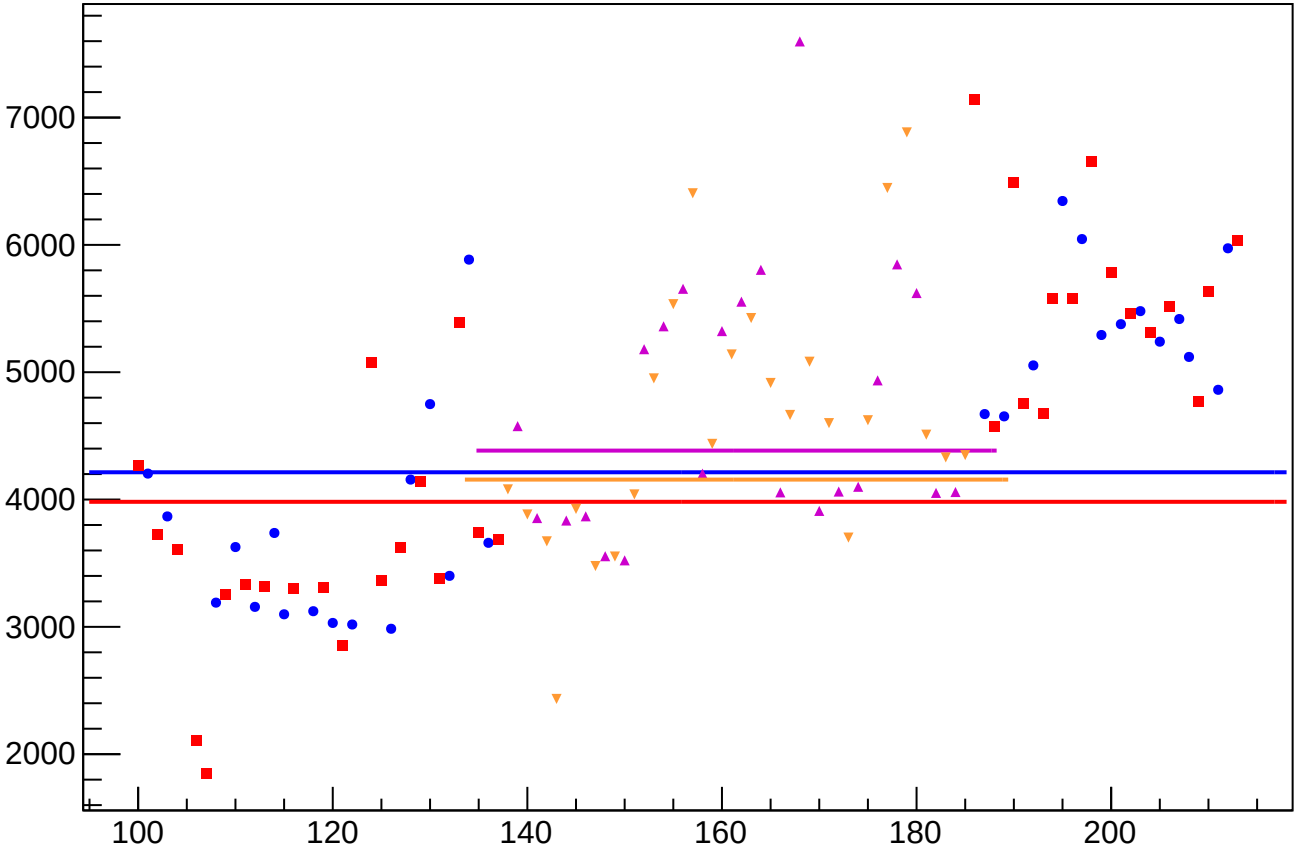
In: 1304.377+/-0.155 χ^2/NDF:576819.5/51

Out: 1295.949+/-0.149 χ^2/NDF:610155.3/58

All: 1300.007+/-0.107 χ^2/NDF: 1188510.3/11


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: 34.051+/-1041.720 χ²/NDF: 28.5/28
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: 463.177+/-706.201 χ²/NDF: 72.2/62
In: 96.524+/-737.944 χ²/NDF:42.3/51
Out: 358.596+/-685.065 χ²/NDF:72.5/58
All: 237.285+/-502.068 χ²/NDF: 114.8/110

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4214.124+/-0.737 χ^2/NDF: 1962162.4/28

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

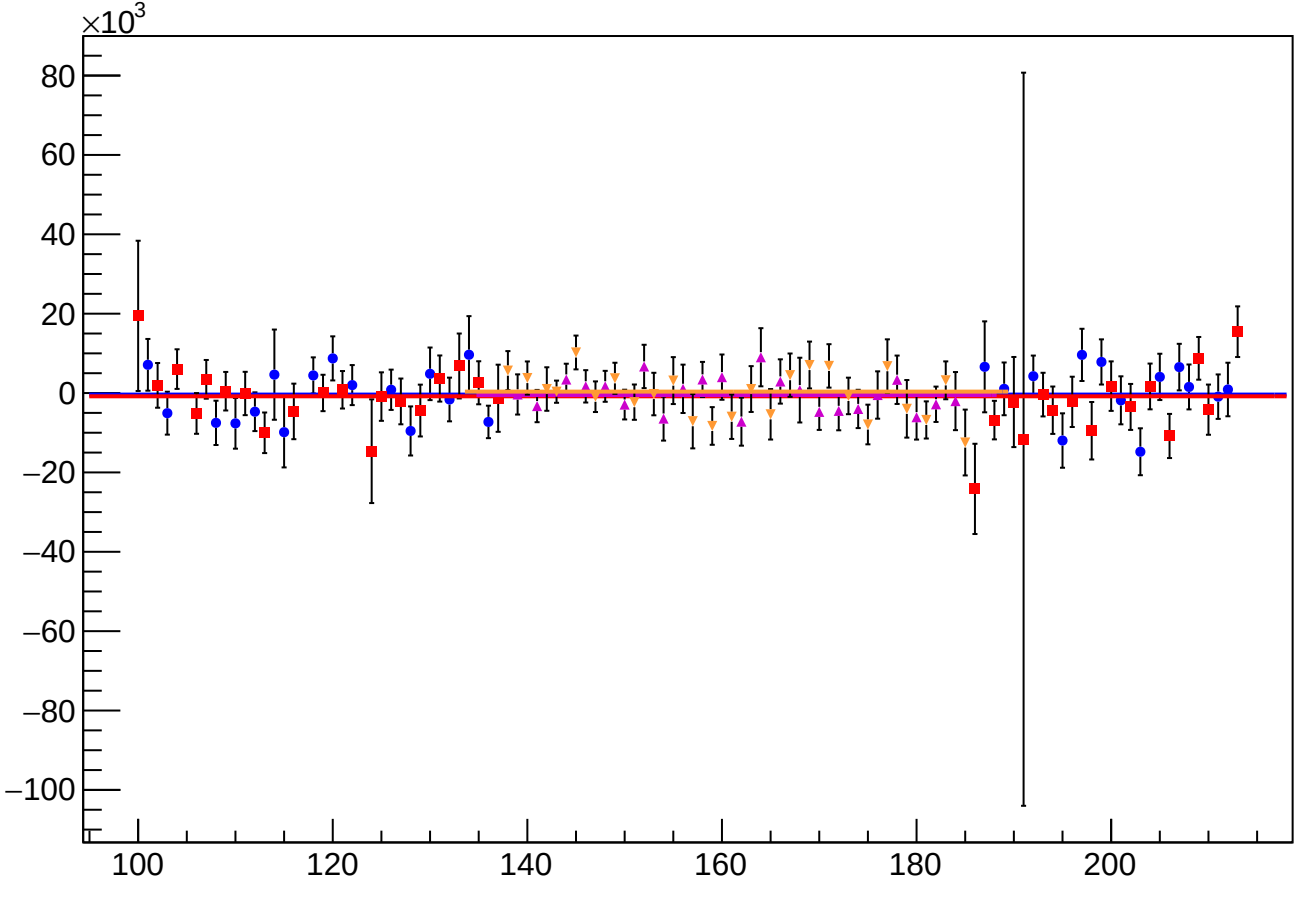
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4088.728+/-0.499 χ^2/NDF: 5500422.8/62

In: 4298.917+/-0.522 χ^2/NDF:3244236.5/51

Out: 4067.846+/-0.484 χ^2/NDF:5597835.7/58

All: 4174.807+/-0.355 χ^2/NDF: 8947398.5/11



Right In: -388.617+/-1097.646 χ^2/NDF: 34.6/28

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

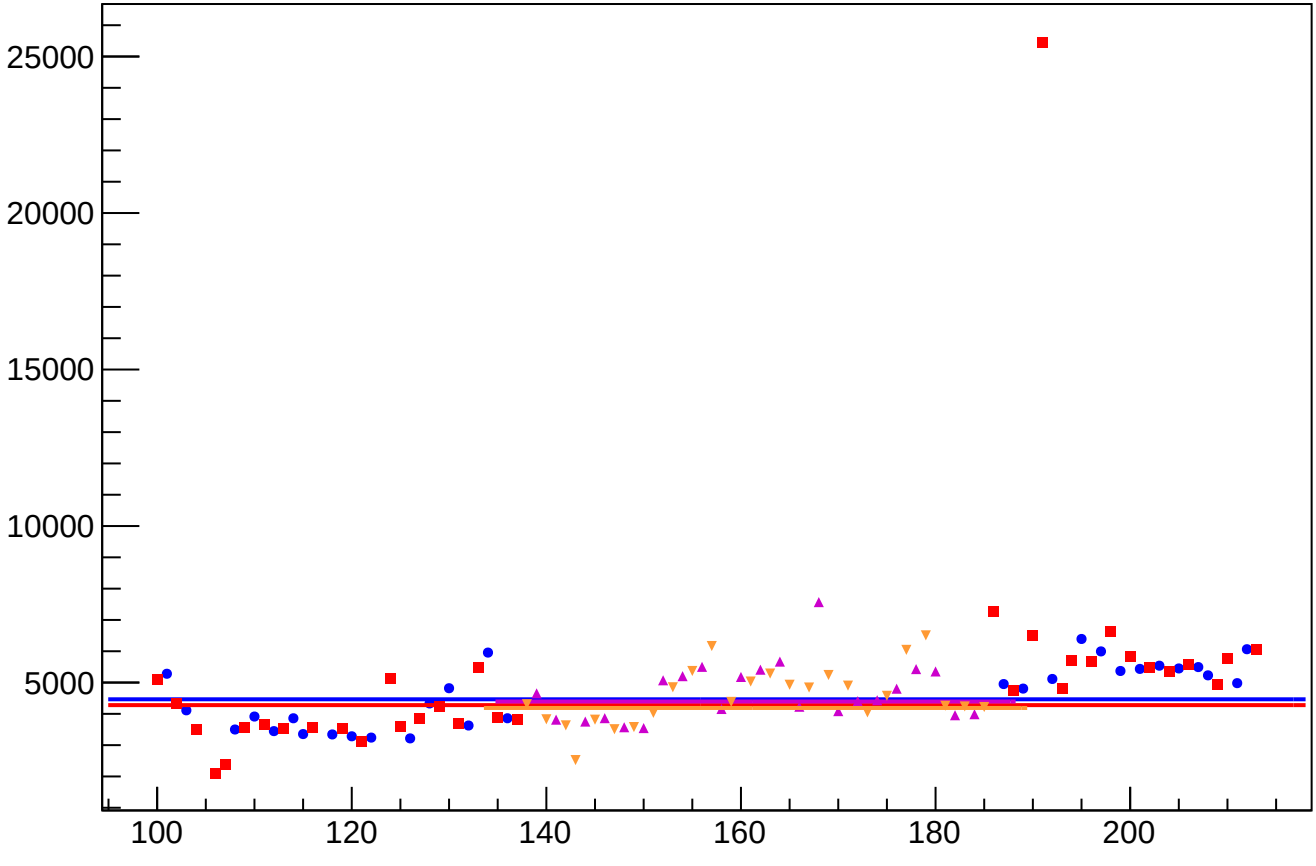
Right: -617.086+/-754.779 χ^2/NDF: 67.9/62

In: -445.759+/-756.742 χ^2/NDF:48.5/51

Out: -194.756+/-713.037 χ^2/NDF:61.6/58

All: -312.800+/-518.957 χ^2/NDF: 110.1/110

asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected



Right In: 4465.044+/-0.776 χ^2/NDF: 1592301.9/28

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

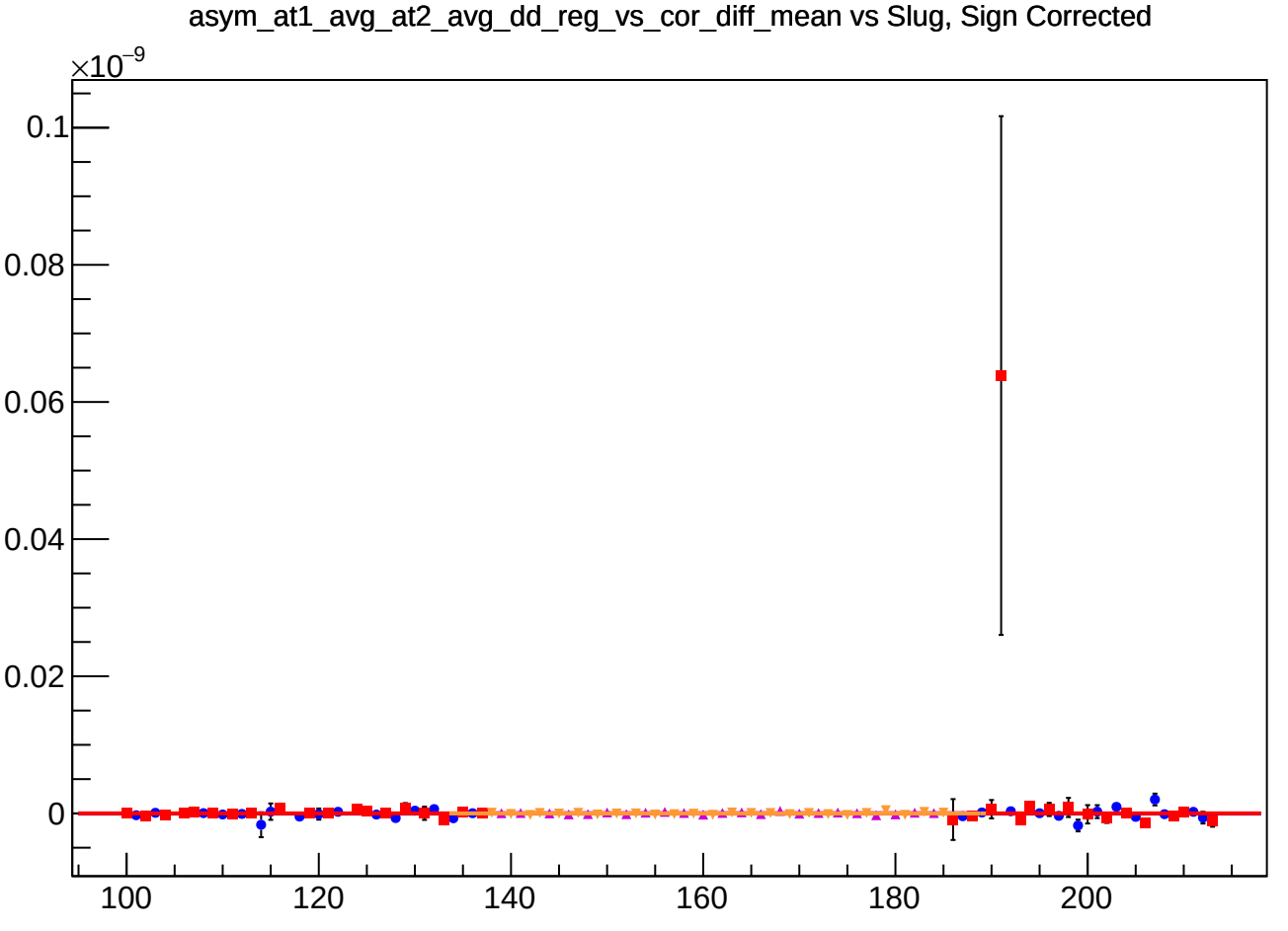
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4366.056+/-0.531 χ^2/NDF: 4394077.9/62

In: 4427.938+/-0.535 χ^2/NDF:2685052.9/51

Out: 4230.987+/-0.502 χ^2/NDF:4575675.1/58

All: 4323.224+/-0.366 χ^2/NDF: 7332755.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/28

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

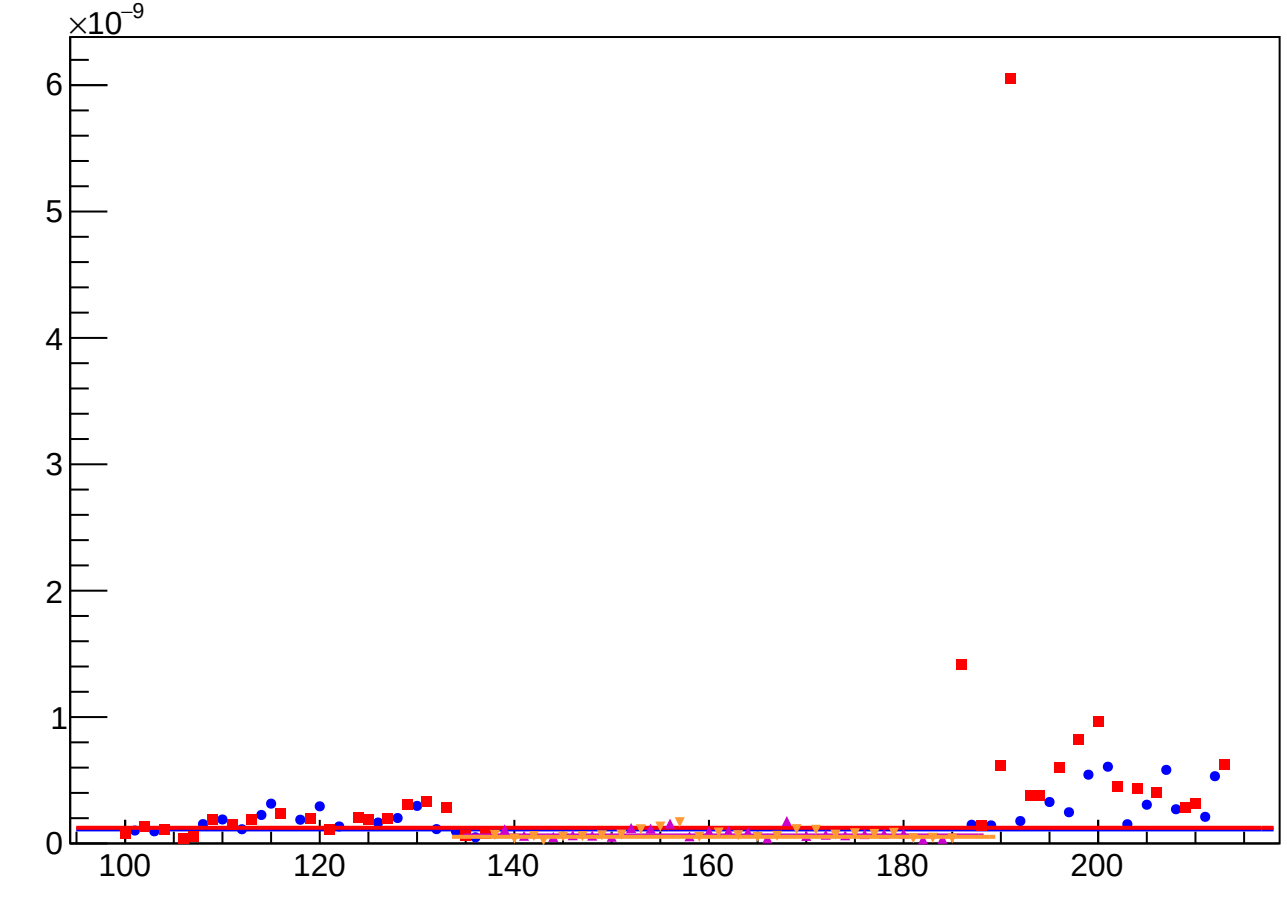
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 70.7/62

In: 0.000+/-0.000 χ^2/NDF:52.8/51

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: 0.000+/-0.000 χ^2/NDF: 118.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 4926494.3/28

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

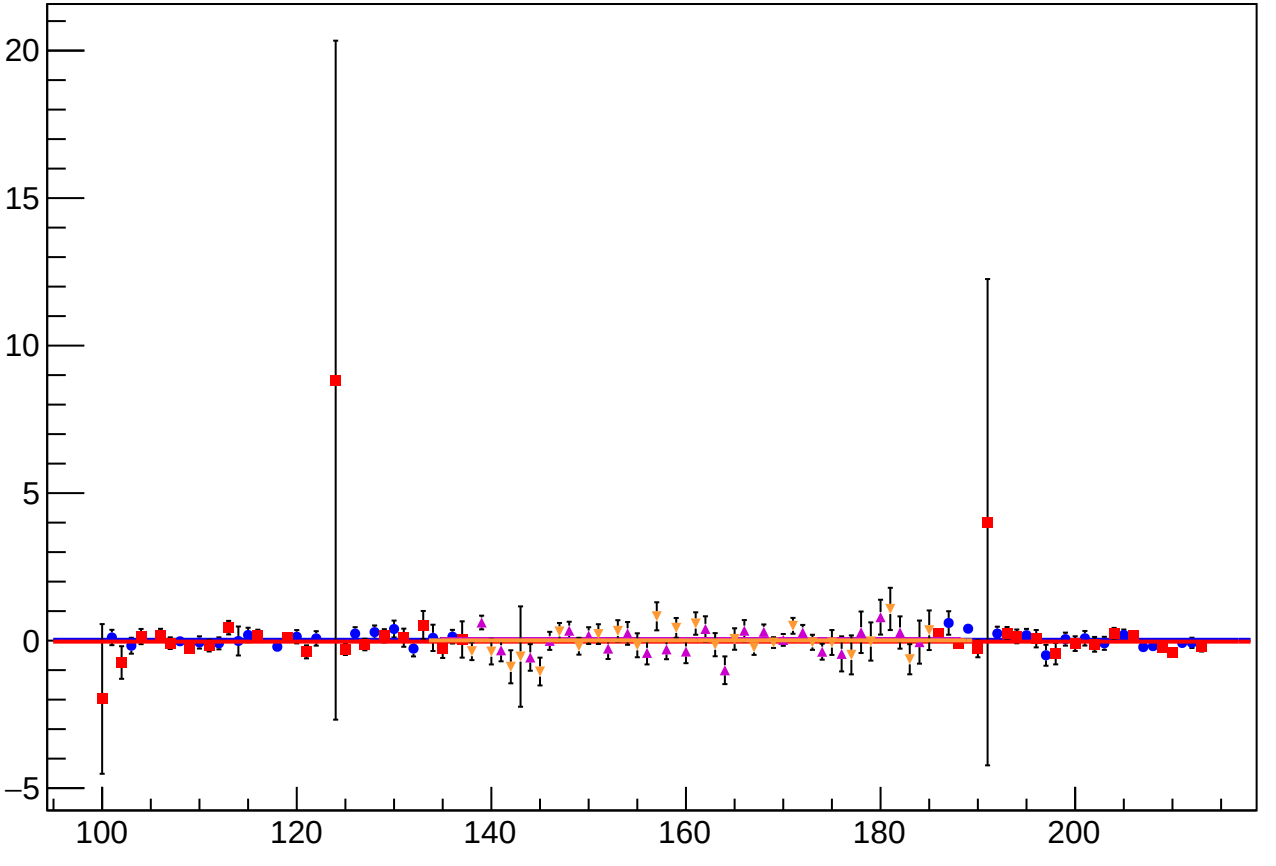
Right: 0.000+/-0.000 χ^2/NDF: 12489424.3/62

In: 0.000+/-0.000 χ^2/NDF:7947767.0/51

Out: 0.000+/-0.000 χ^2/NDF:12655494.5/58

All: 0.000+/-0.000 χ^2/NDF: 20850435.4/110

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.040 χ^2/NDF: 27.6/28

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

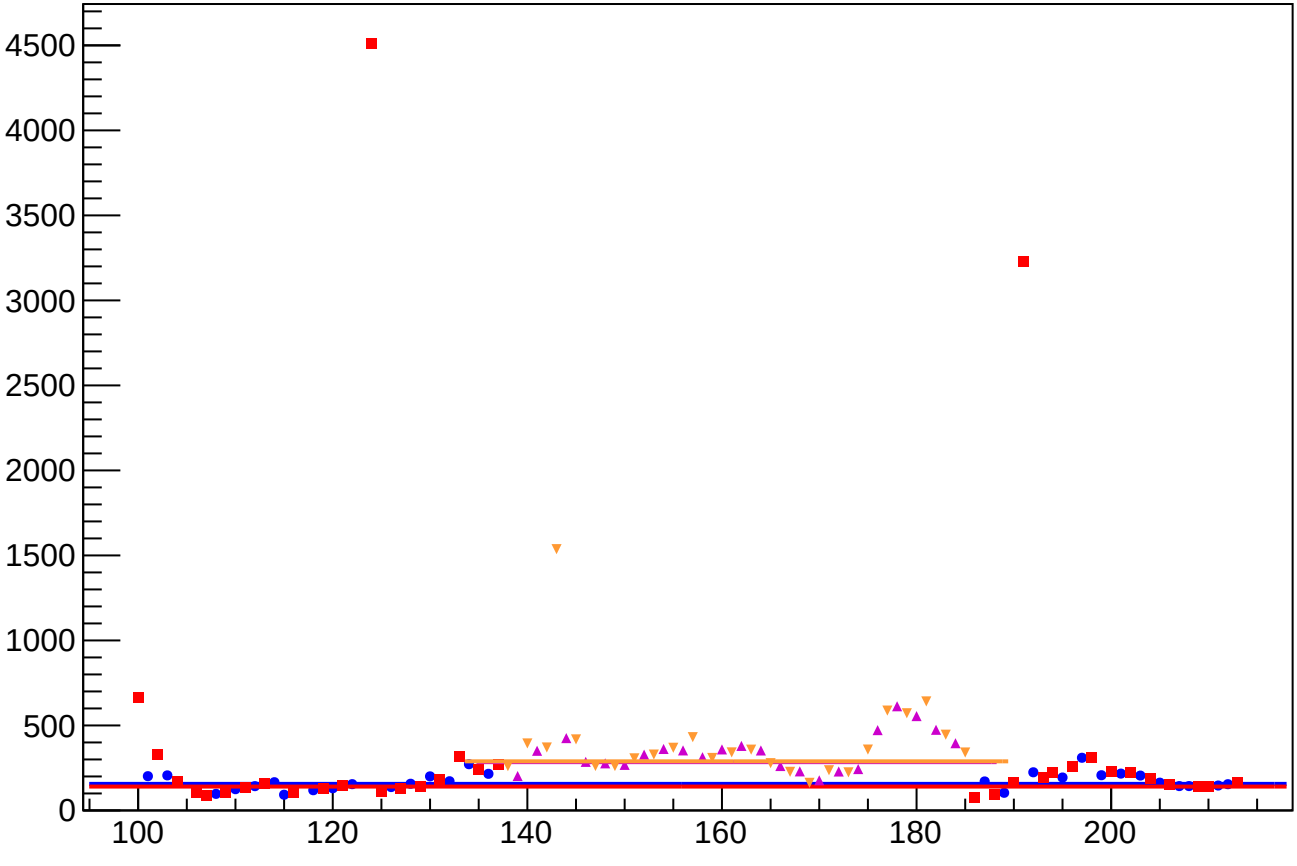
Right: -0.006+/-0.027 χ^2/NDF: 69.7/62

In: 0.034+/-0.035 χ^2/NDF:55.4/51

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.002+/-0.023 χ^2/NDF: 127.0/110

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.312+/-0.028 χ^2/NDF: 2259862.8/28

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

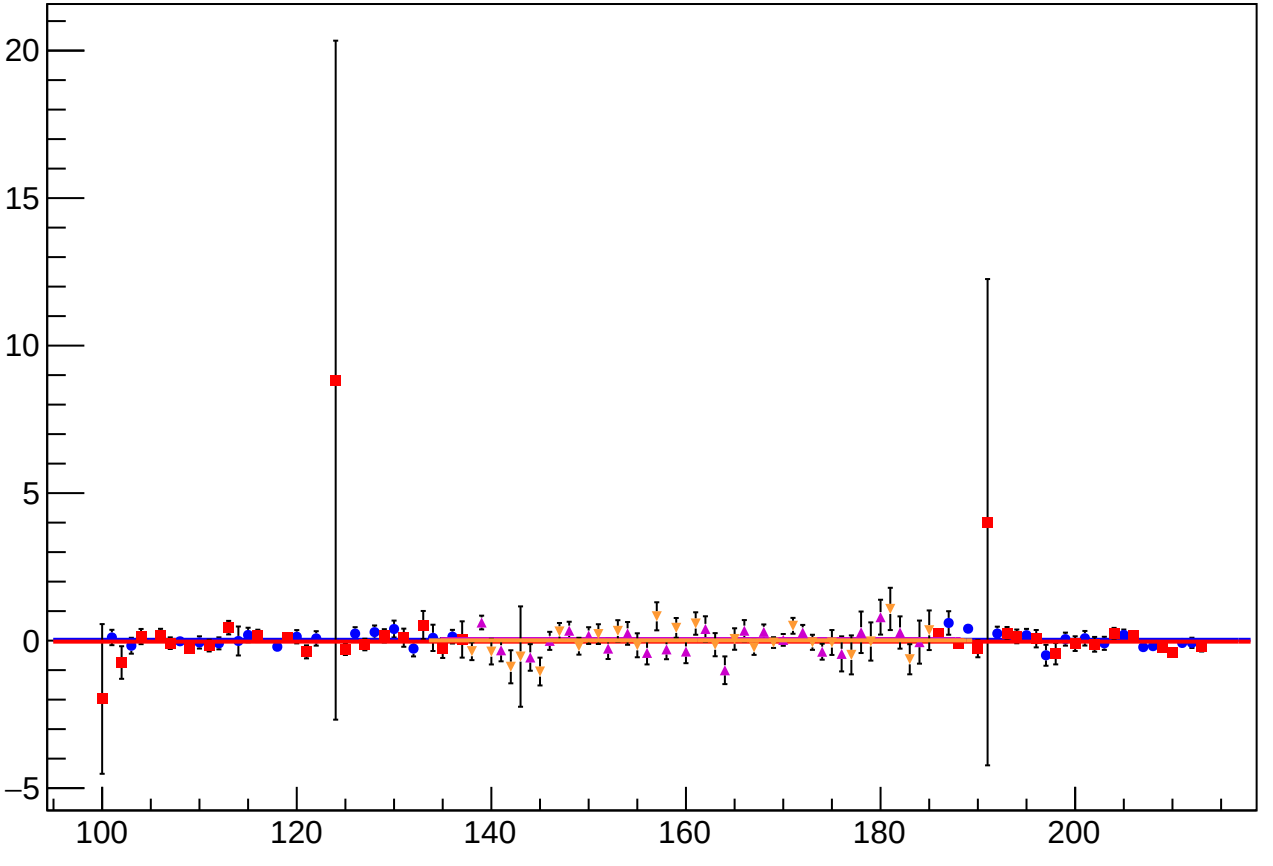
Right: 147.599+/-0.019 χ^2/NDF: 7156310.2/62

In: 187.023+/-0.024 χ^2/NDF:10348945.3/51

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 178.134+/-0.017 χ^2/NDF: 26933439.9/11

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.040 χ^2/NDF: 27.6/28

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

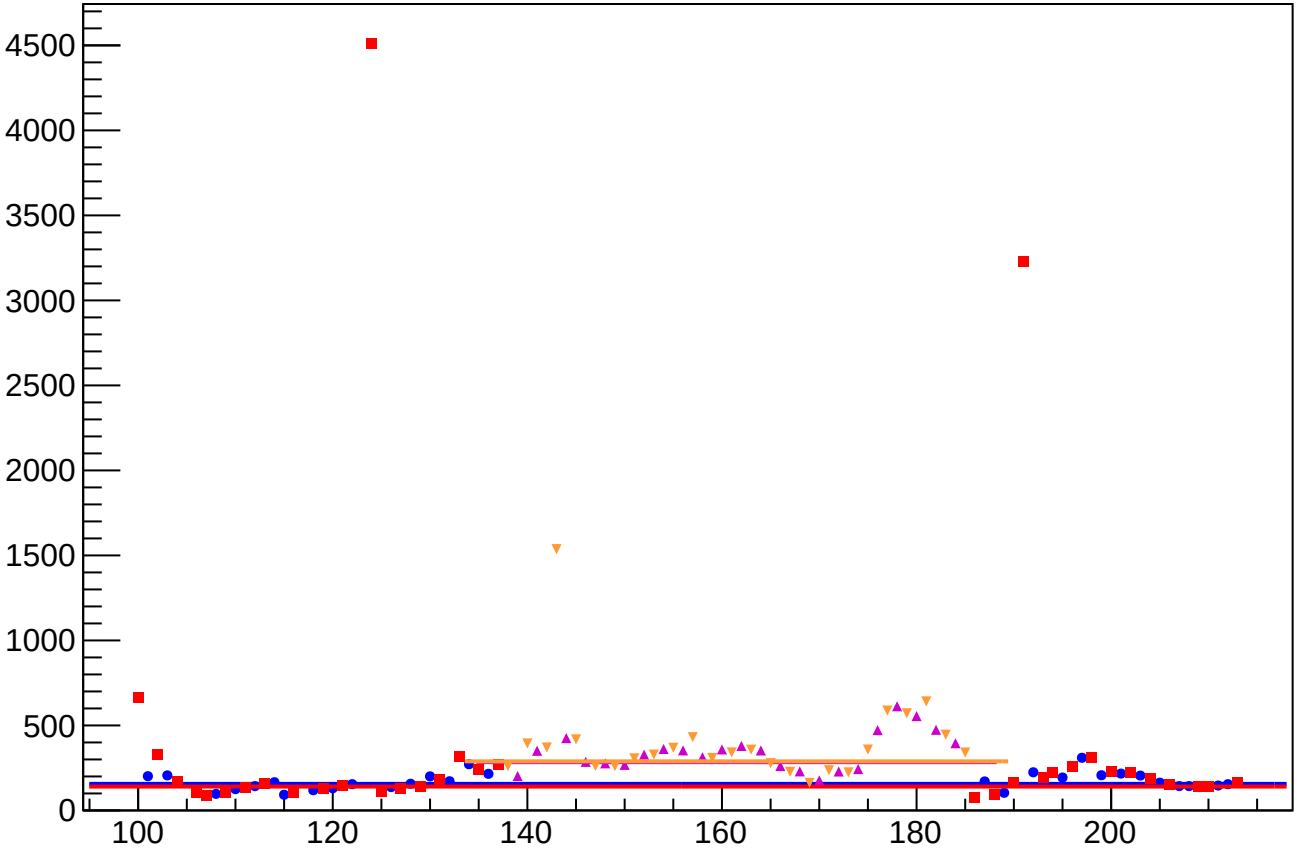
Right: -0.006+/-0.027 χ^2/NDF: 69.7/62

In: 0.034+/-0.035 χ^2/NDF:55.4/51

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.002+/-0.023 χ^2/NDF: 127.0/110

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.312+/-0.028 χ^2/NDF: 2259862.8/28

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

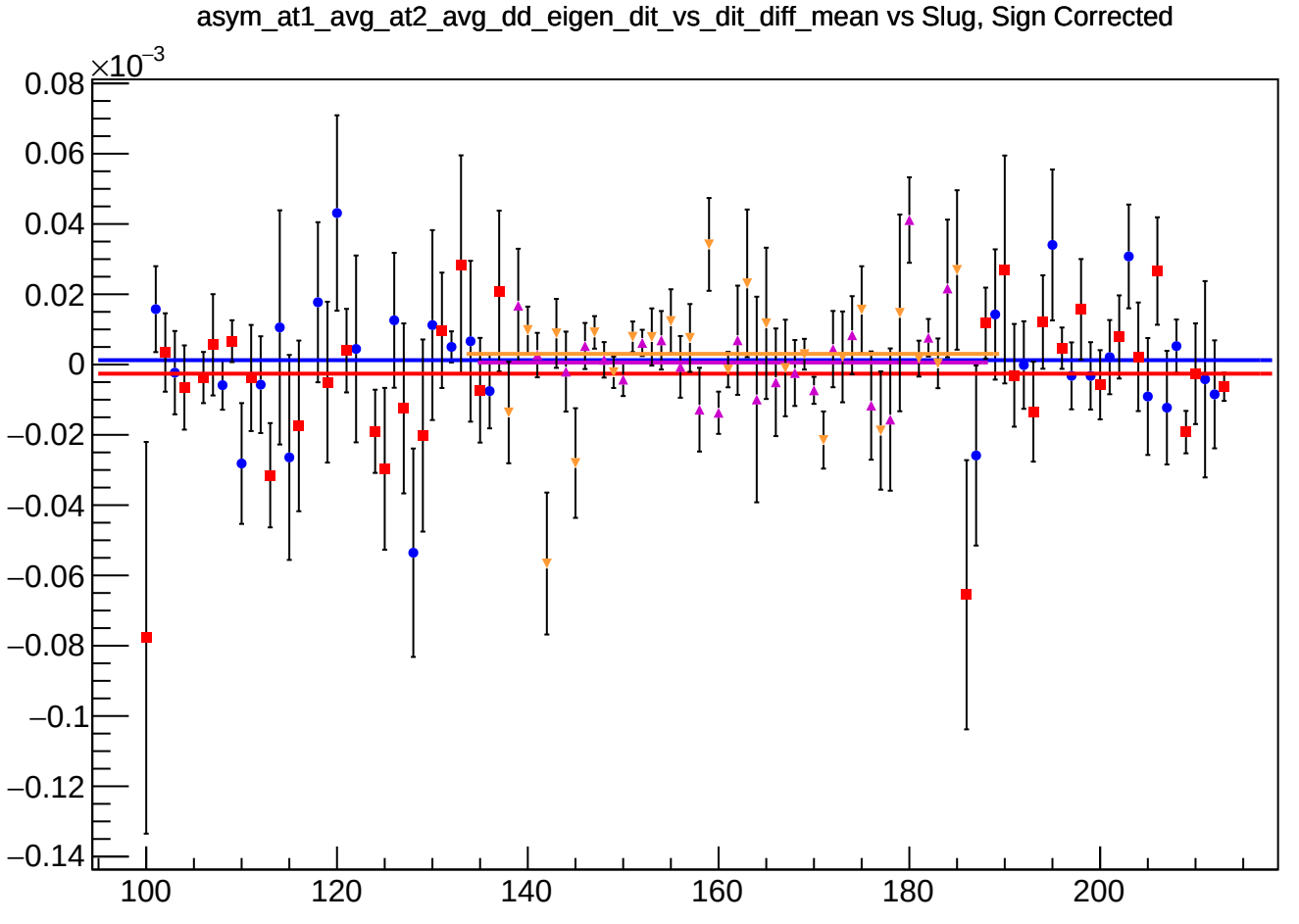
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.599+/-0.019 χ^2/NDF: 7156310.2/62

In: 187.023+/-0.024 χ^2/NDF:10348945.3/51

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 178.134+/-0.017 χ^2/NDF: 26933439.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/28

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

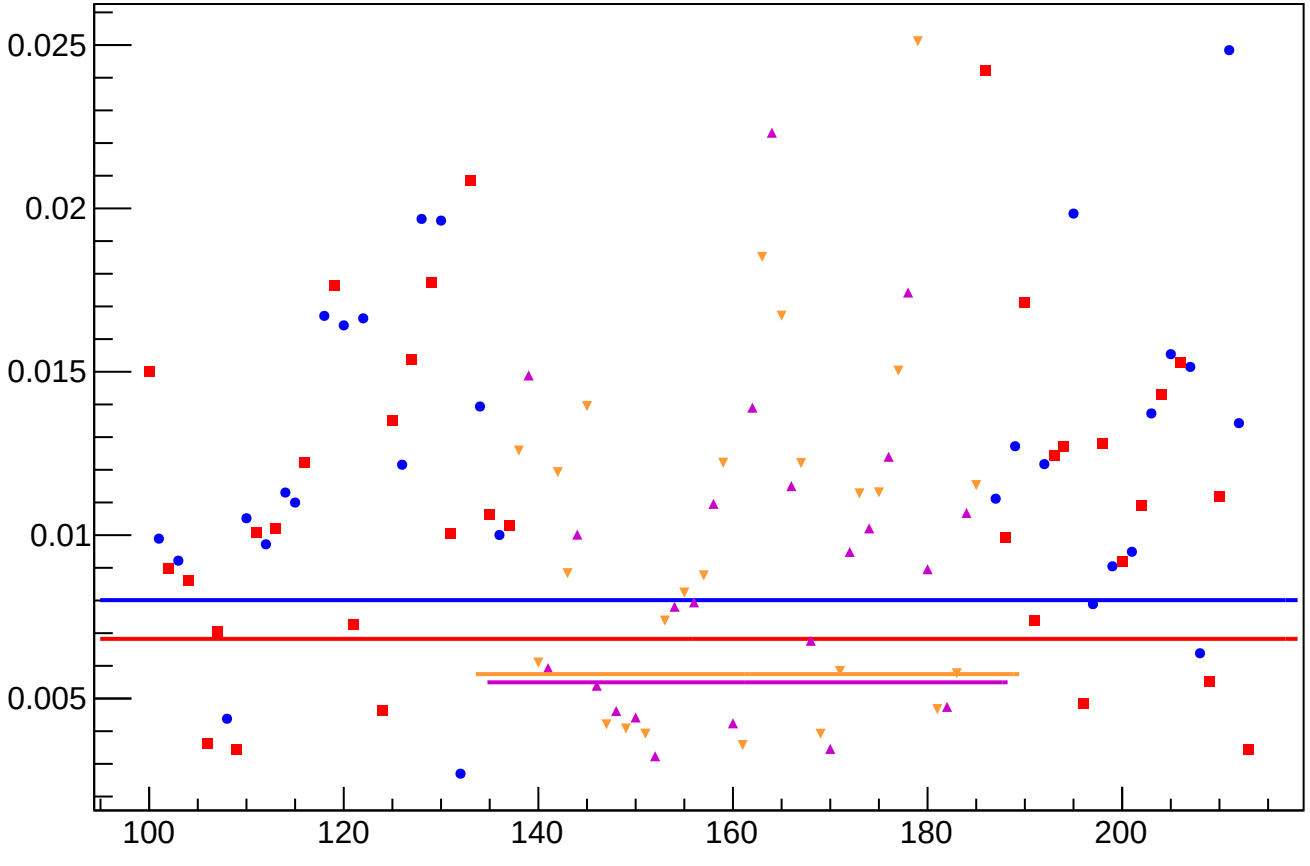
Right: -0.000+/-0.000 χ^2/NDF: 66.4/62

In: 0.000+/-0.000 χ^2/NDF:58.3/51

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 145.7/110

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8483072.5/28

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

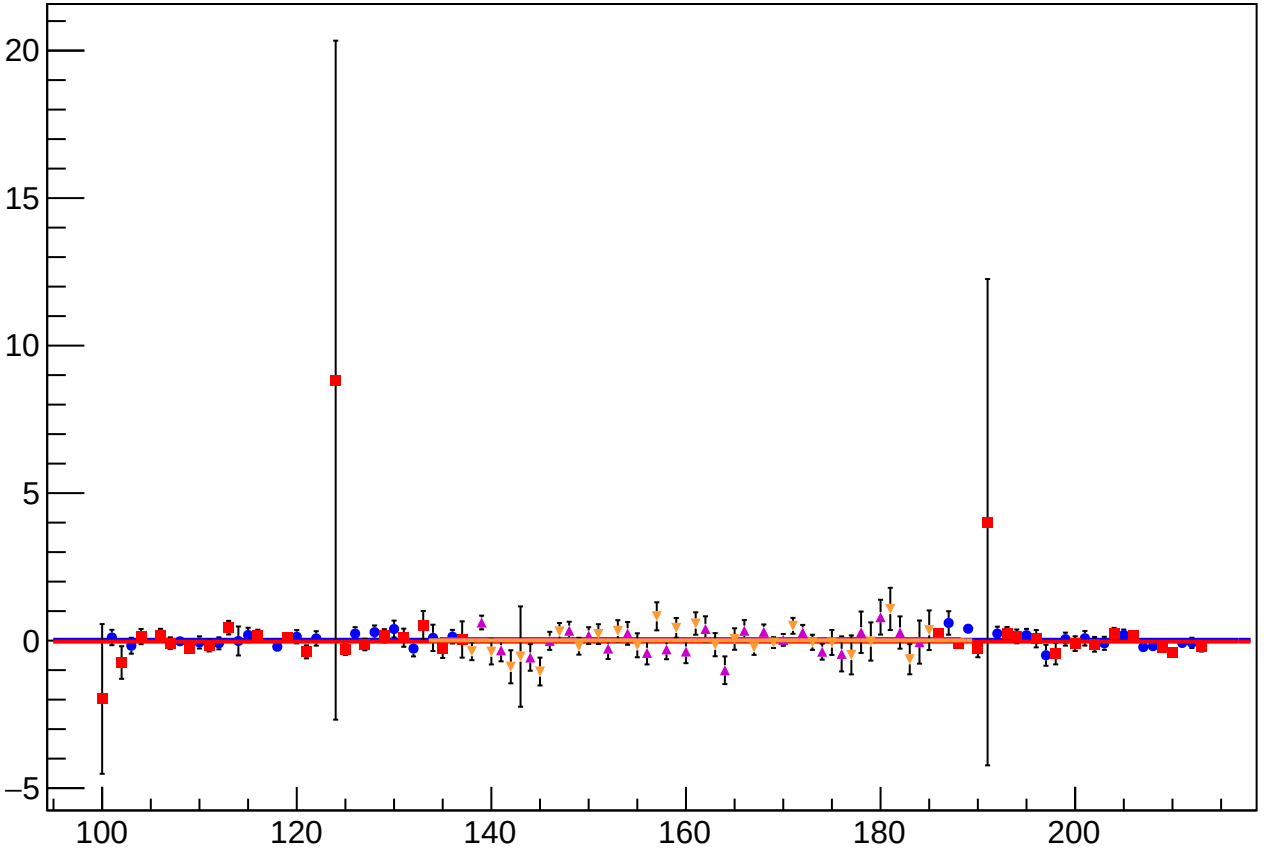
Right: 0.007+/-0.000 χ^2/NDF: 17452293.1/62

In: 0.006+/-0.000 χ^2/NDF:17127801.3/51

Out: 0.006+/-0.000 χ^2/NDF:17173359.8/58

All: 0.006+/-0.000 χ^2/NDF: 34307175.0/110

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.040 χ^2/NDF: 27.6/28

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

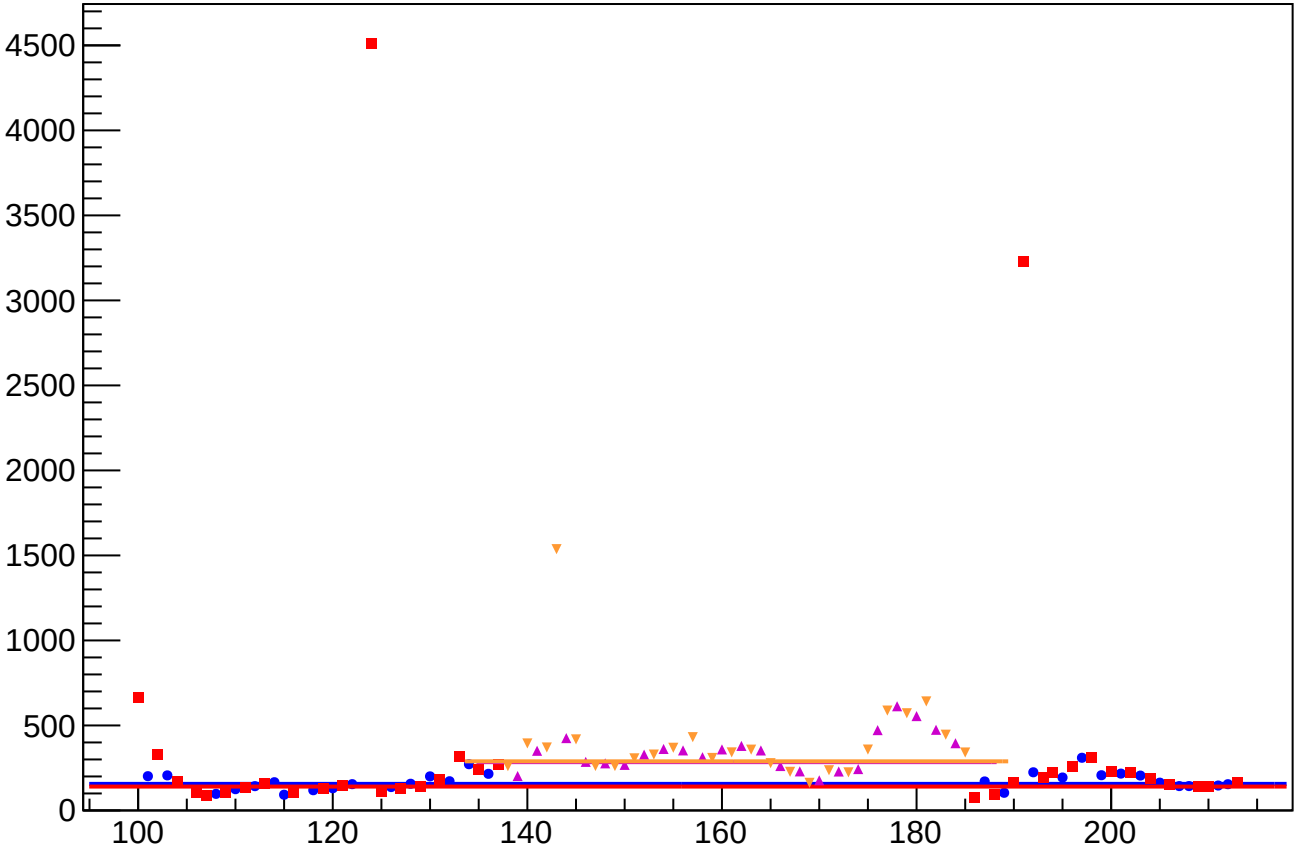
Right: -0.006+/-0.027 χ^2/NDF: 69.7/62

In: 0.034+/-0.035 χ^2/NDF:55.4/51

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.002+/-0.023 χ^2/NDF: 127.0/110

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.312+/-0.028 χ^2/NDF: 2259840.6/28

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

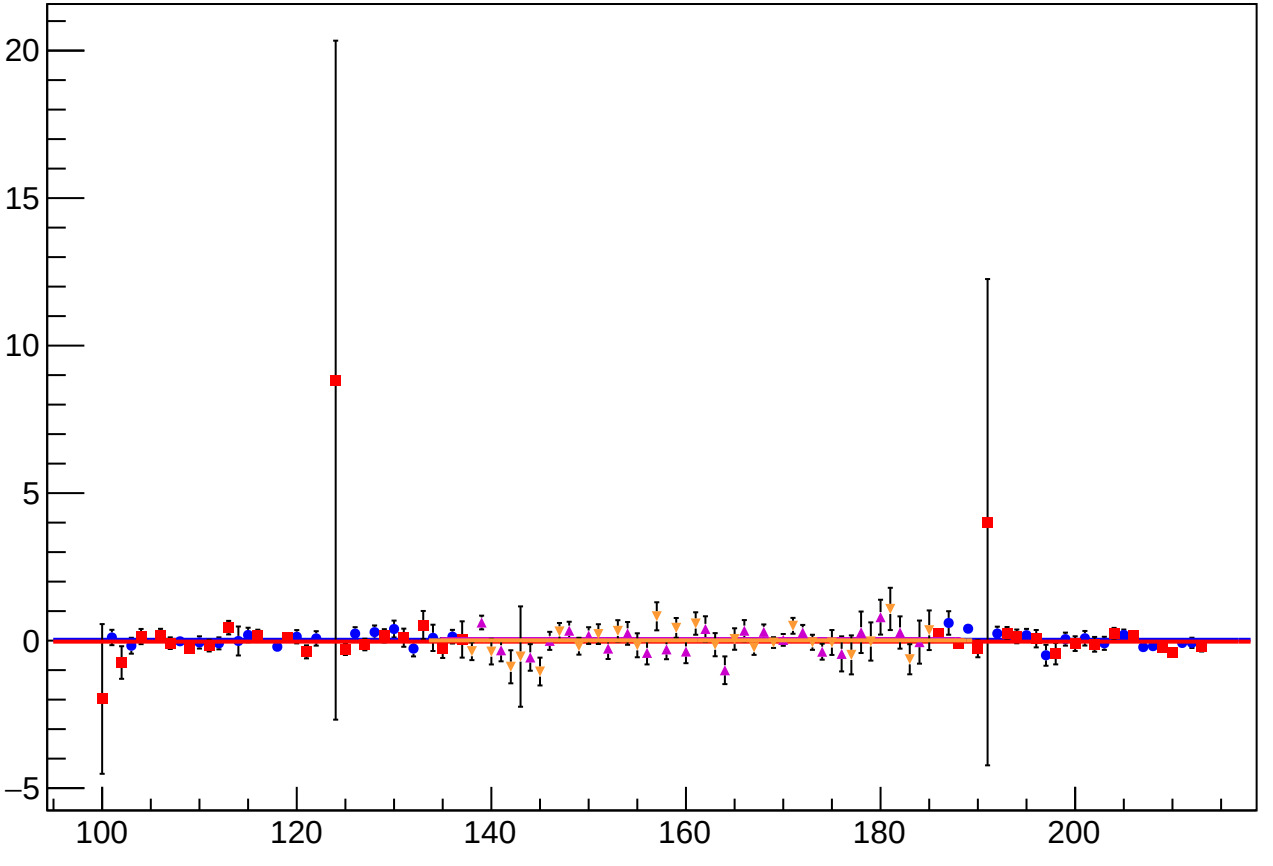
Right: 147.600+/-0.019 χ^2/NDF: 7156097.7/62

In: 187.023+/-0.024 χ^2/NDF:10349027.0/51

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 178.136+/-0.017 χ^2/NDF: 26933313.2/11

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.040 χ^2/NDF: 27.6/28

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

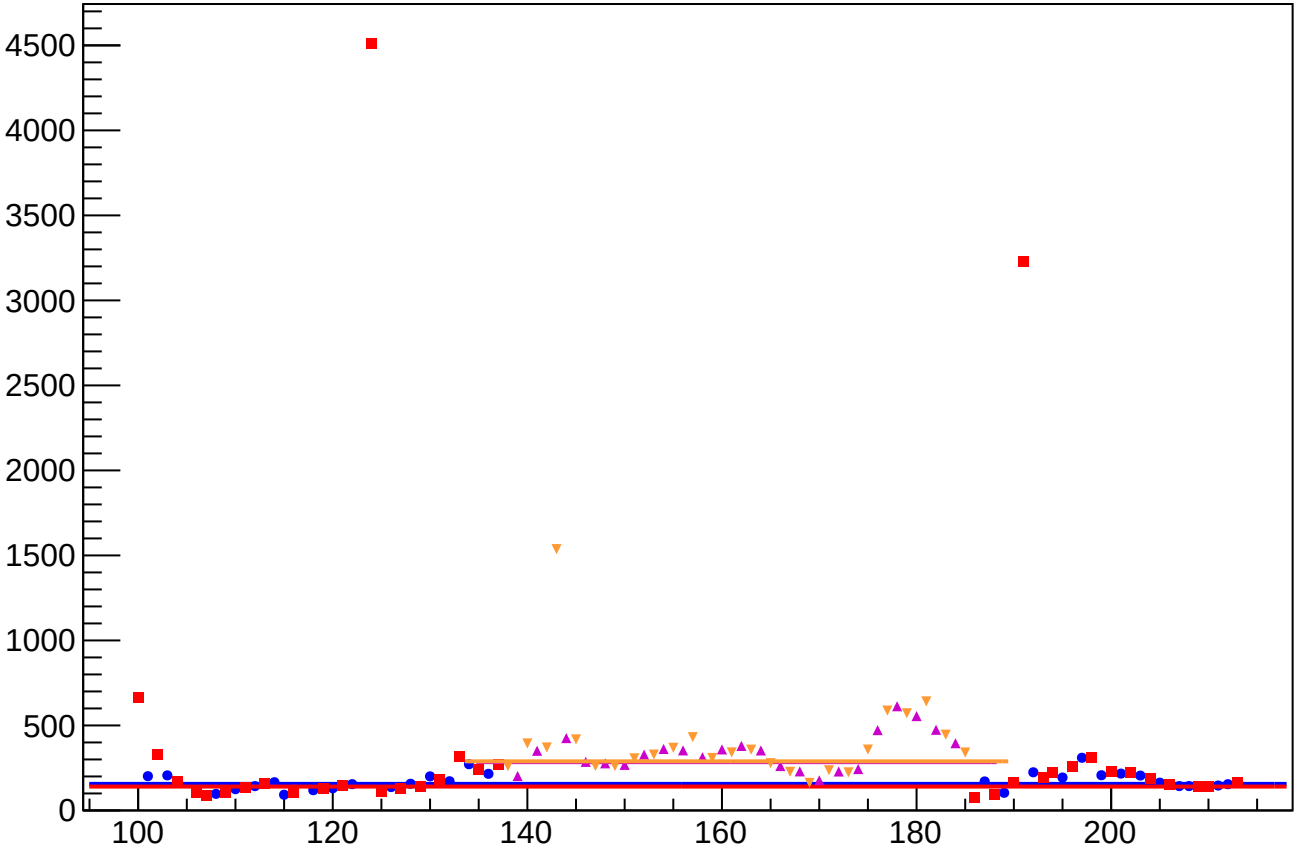
Right: -0.006+/-0.027 χ^2/NDF: 69.7/62

In: 0.034+/-0.035 χ^2/NDF:55.4/51

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.002+/-0.023 χ^2/NDF: 127.0/110

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.312+/-0.028 χ^2/NDF: 2259840.6/28

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

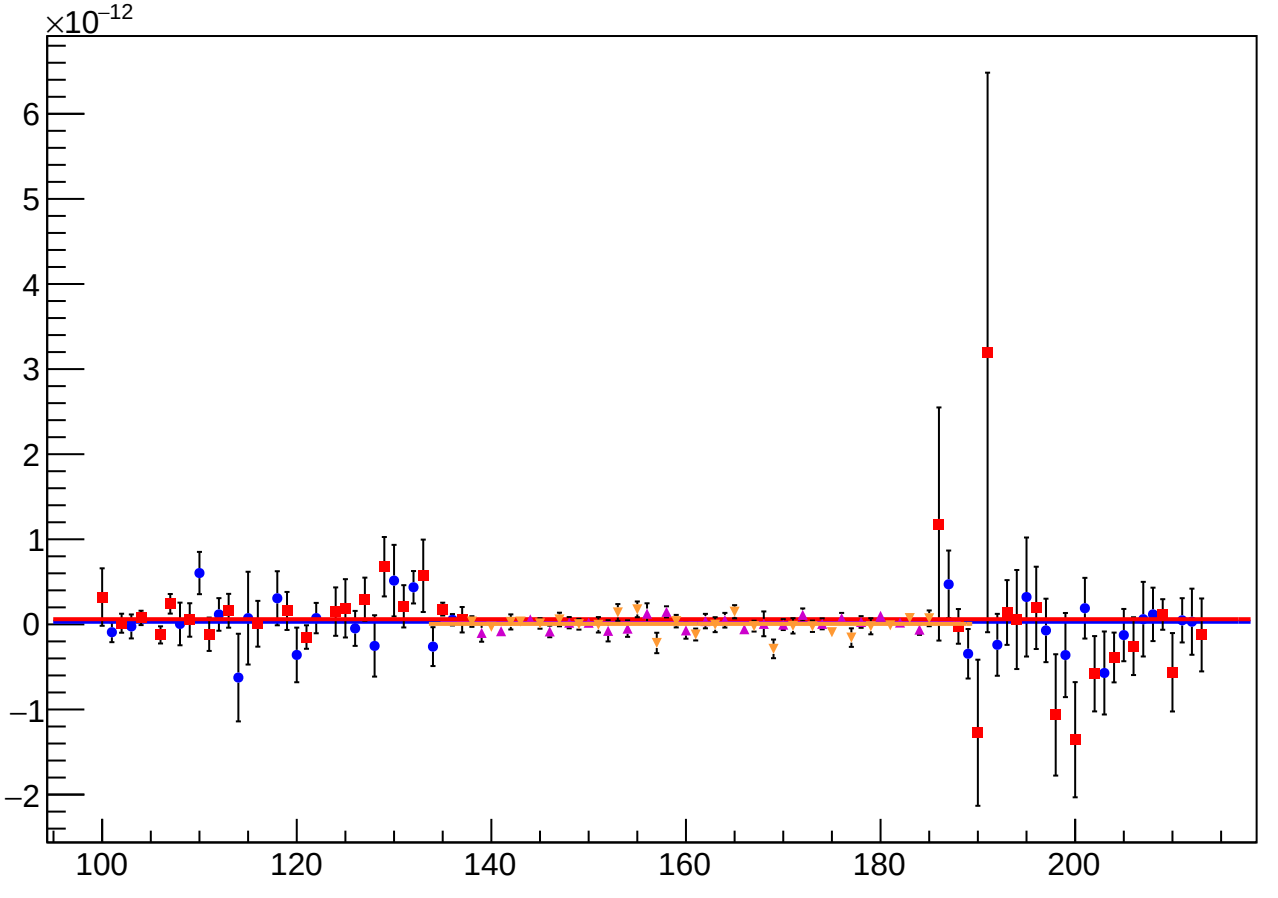
Right: 147.600+/-0.019 χ^2/NDF: 7156097.7/62

In: 187.023+/-0.024 χ^2/NDF:10349027.0/51

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 178.136+/-0.017 χ^2/NDF: 26933313.2/11

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: 25.5/28

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

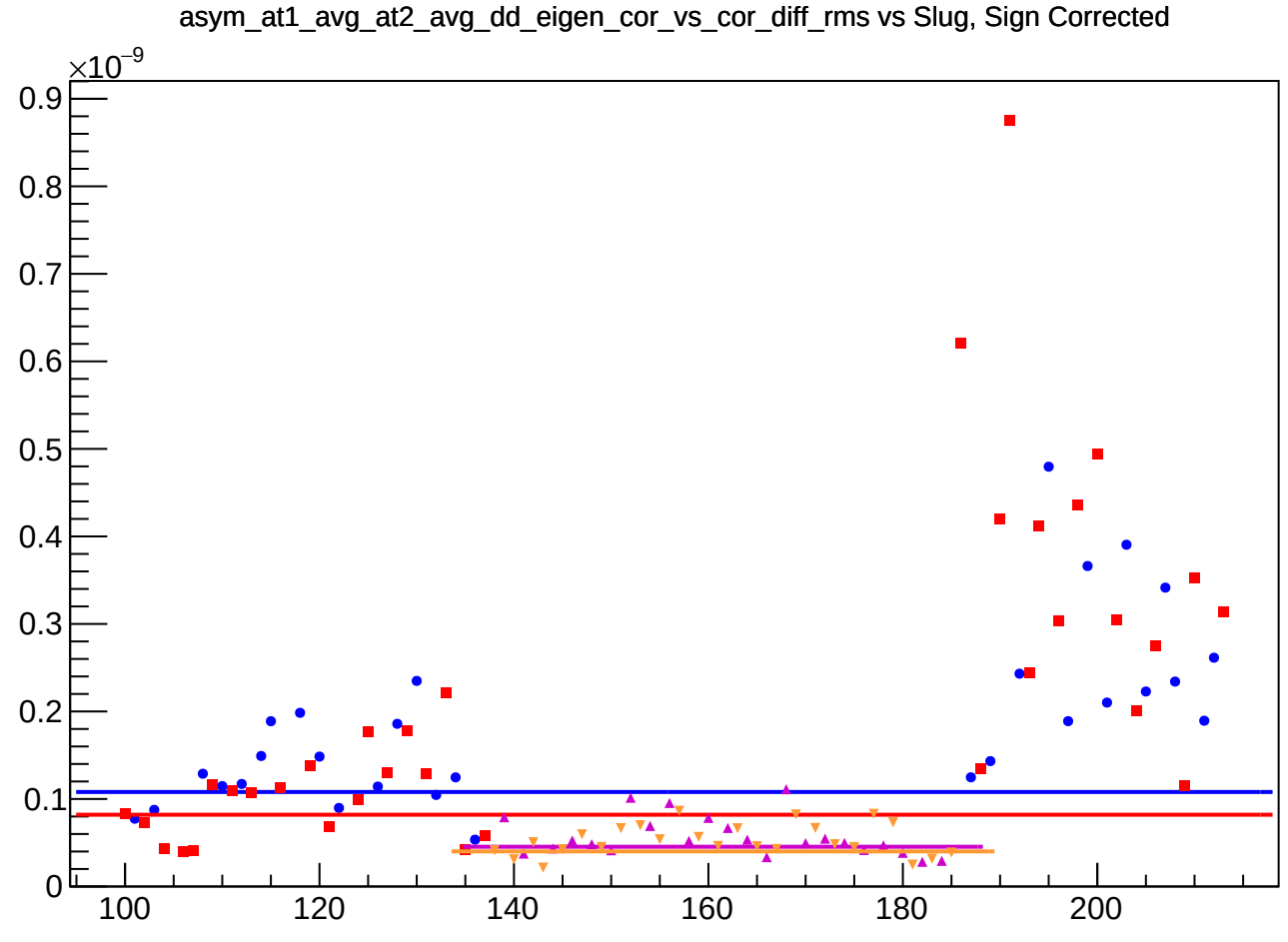
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

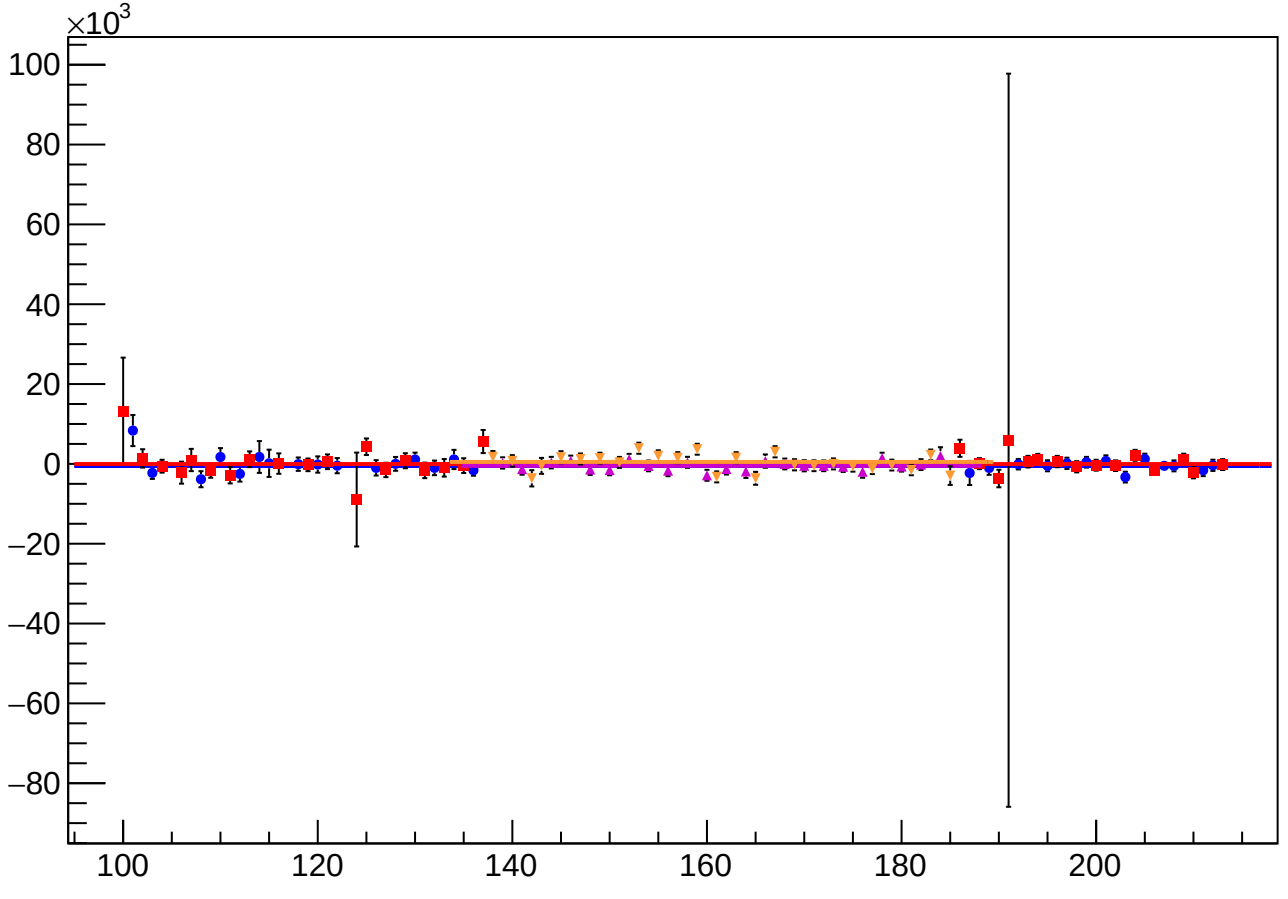
Right: 0.000+/-0.000 χ^2/NDF: 63.1/62

In: 0.000+/-0.000 χ^2/NDF:48.8/51

Out: 0.000+/-0.000 χ^2/NDF:74.0/58

All: 0.000+/-0.000 χ^2/NDF: 122.9/110


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: 6105920.3/28
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: 15621944.6/62
In: 0.000+/-0.000 χ²/NDF:13404287.9/51
Out: 0.000+/-0.000 χ²/NDF:15559745.2/58
All: 0.000+/-0.000 χ²/NDF: 29266563.5/110



Right In: -521.752+/-308.382 χ^2/NDF: 22.4/28

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

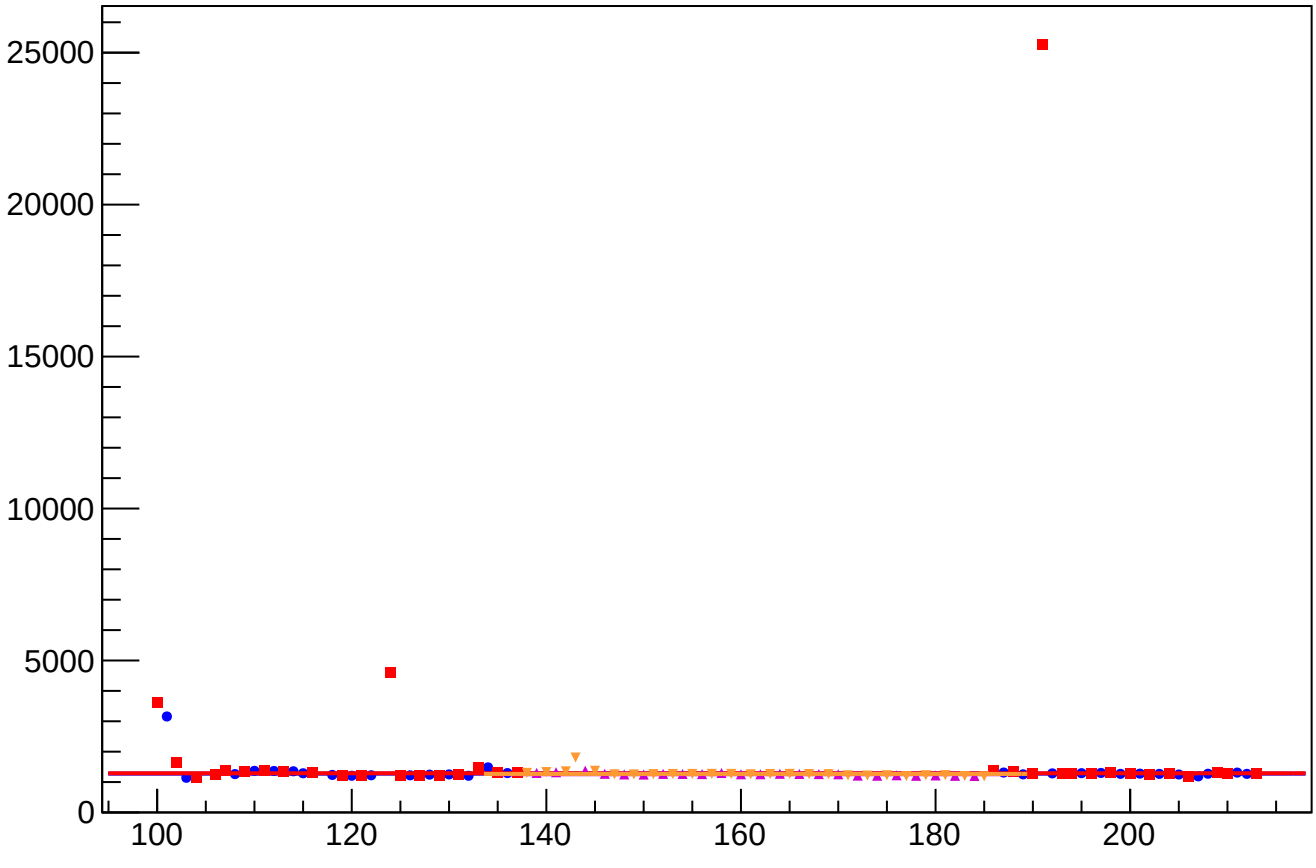
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -276.540+/-215.295 χ^2/NDF: 54.8/62

In: -503.440+/-212.704 χ^2/NDF:36.9/51

Out: 235.437+/-208.181 χ^2/NDF:79.7/58

All: -126.061+/-148.780 χ^2/NDF: 122.7/110



Right In: 1277.449+/-0.218 χ^2/NDF: 529519.6/28

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

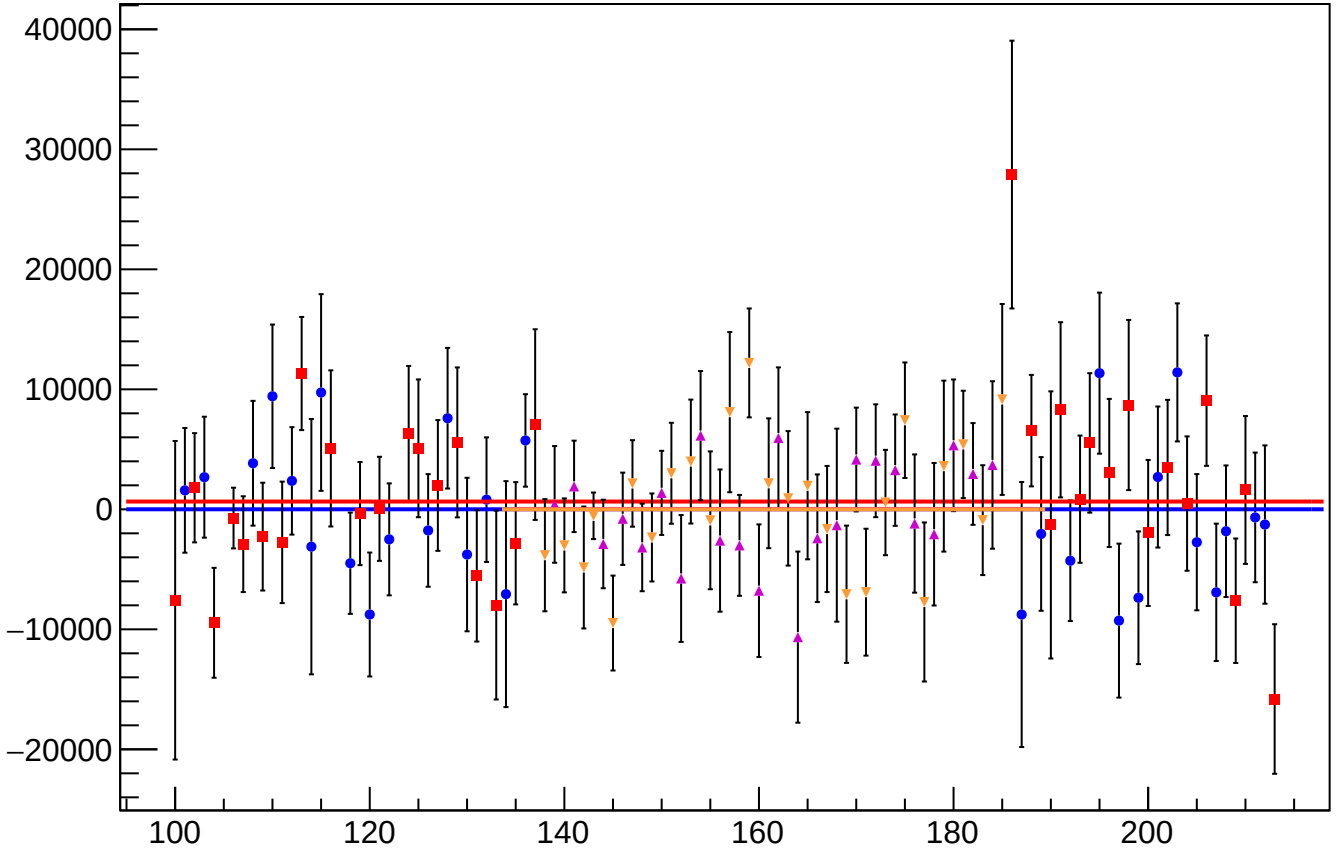
Right: 1283.454+/-0.152 χ^2/NDF: 1013744.3/62

In: 1267.018+/-0.150 χ^2/NDF:570701.0/51

Out: 1277.611+/-0.147 χ^2/NDF:675966.6/58

All: 1272.431+/-0.105 χ^2/NDF: 1249202.7/11

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 3.281+/-1035.844 χ^2/NDF: 28.6/28

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

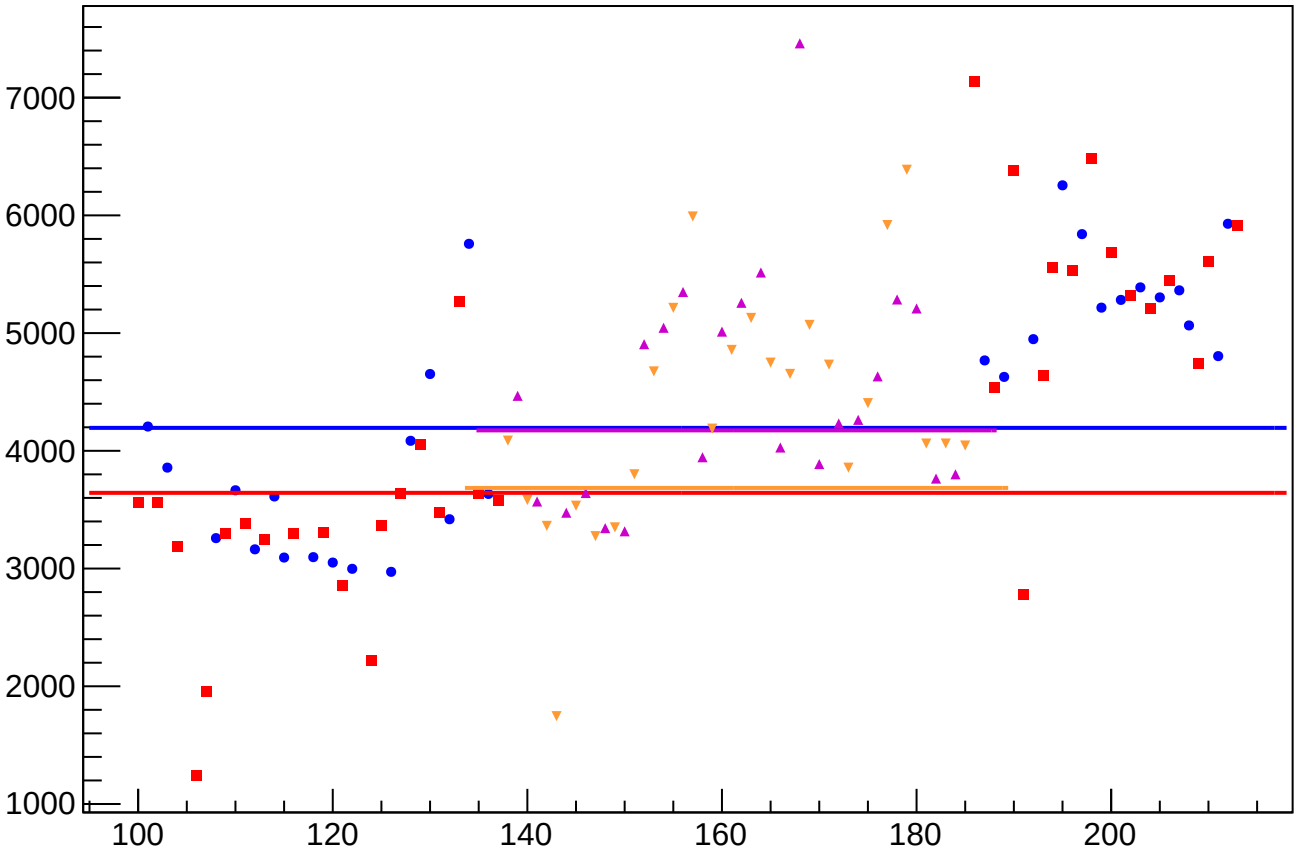
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

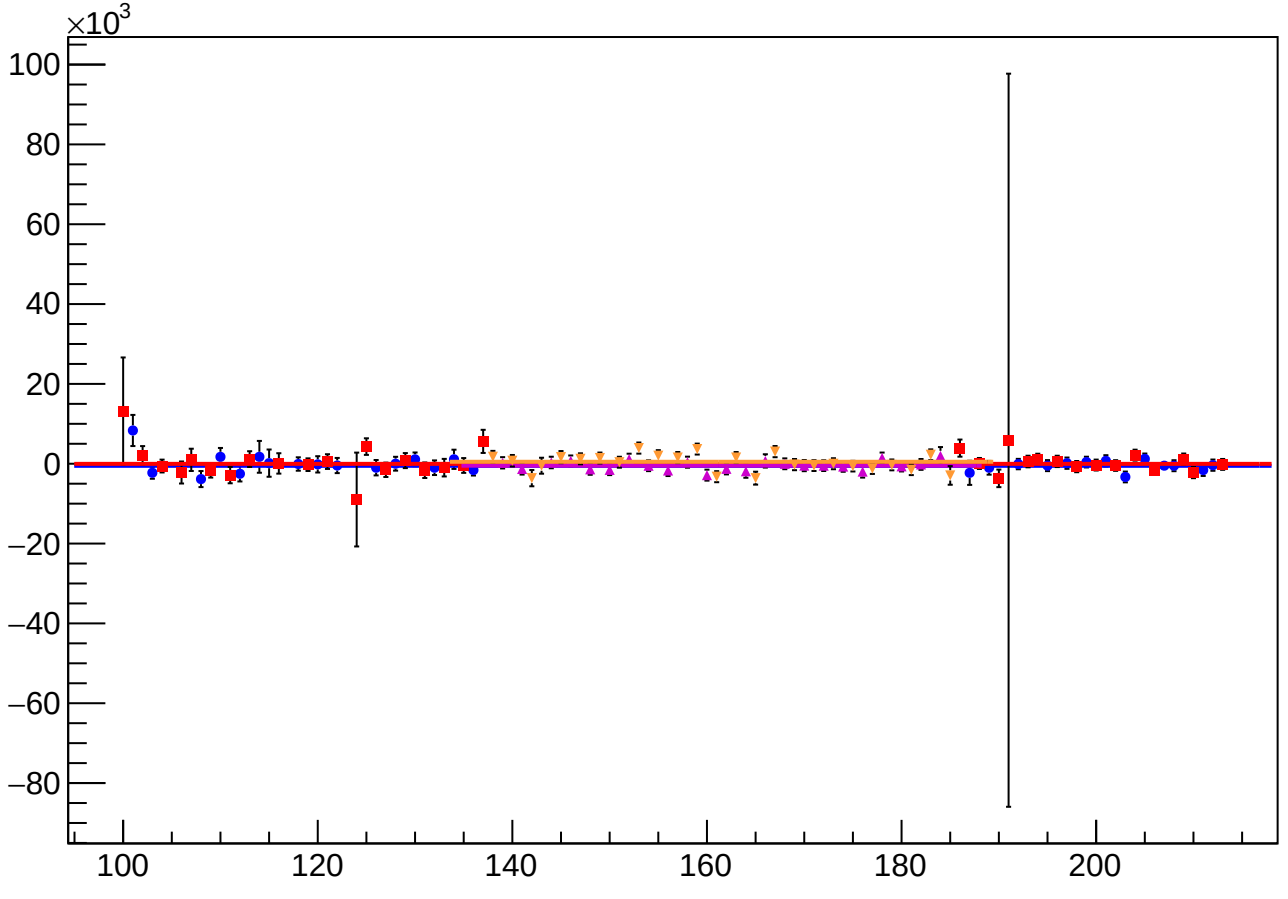
Right: 368.368+/-682.276 χ^2/NDF: 70.9/62

In: 18.001+/-717.707 χ^2/NDF:42.7/51

Out: 316.432+/-633.887 χ^2/NDF:71.3/58

All: 185.653+/-475.110 χ^2/NDF: 114.1/110


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 4194.989+/-0.732 χ²/NDF: 1868191.1/28
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 3643.091+/-0.641 χ²/NDF: 5079409.7/33
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 3882.527+/-0.482 χ²/NDF: 7269037.3/62
In: 4183.845+/-0.507 χ²/NDF:3143604.7/51
Out: 3664.401+/-0.448 χ²/NDF:8775216.7/58
All: 3892.033+/-0.336 χ²/NDF: 12507364.9/



Right In: -521.891+/-308.382 χ^2/NDF: 22.4/28

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

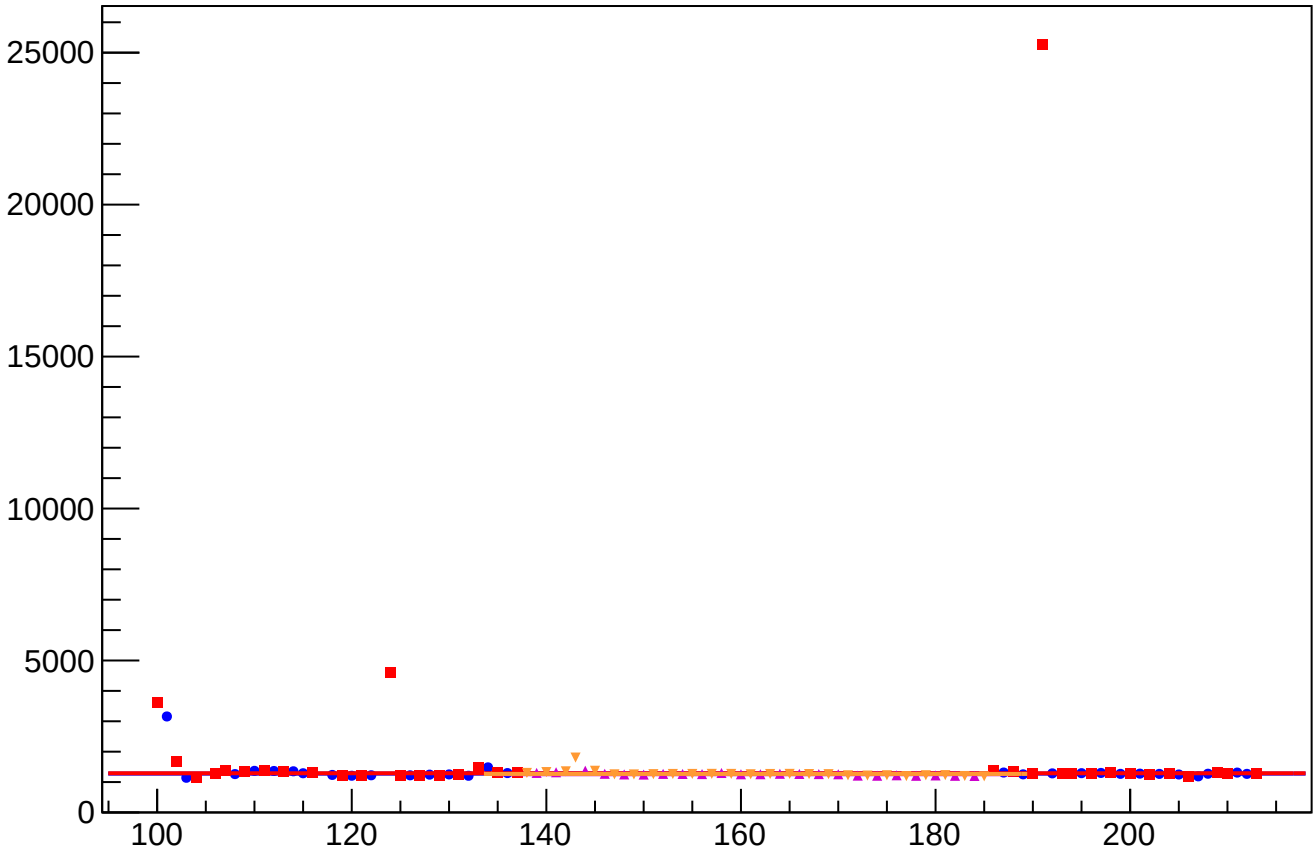
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -271.026+/-215.323 χ^2/NDF: 55.3/62

In: -503.453+/-212.704 χ^2/NDF:36.9/51

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -123.379+/-148.789 χ^2/NDF: 123.2/110



Right In: 1277.449+/-0.218 χ^2/NDF: 529521.0/28

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

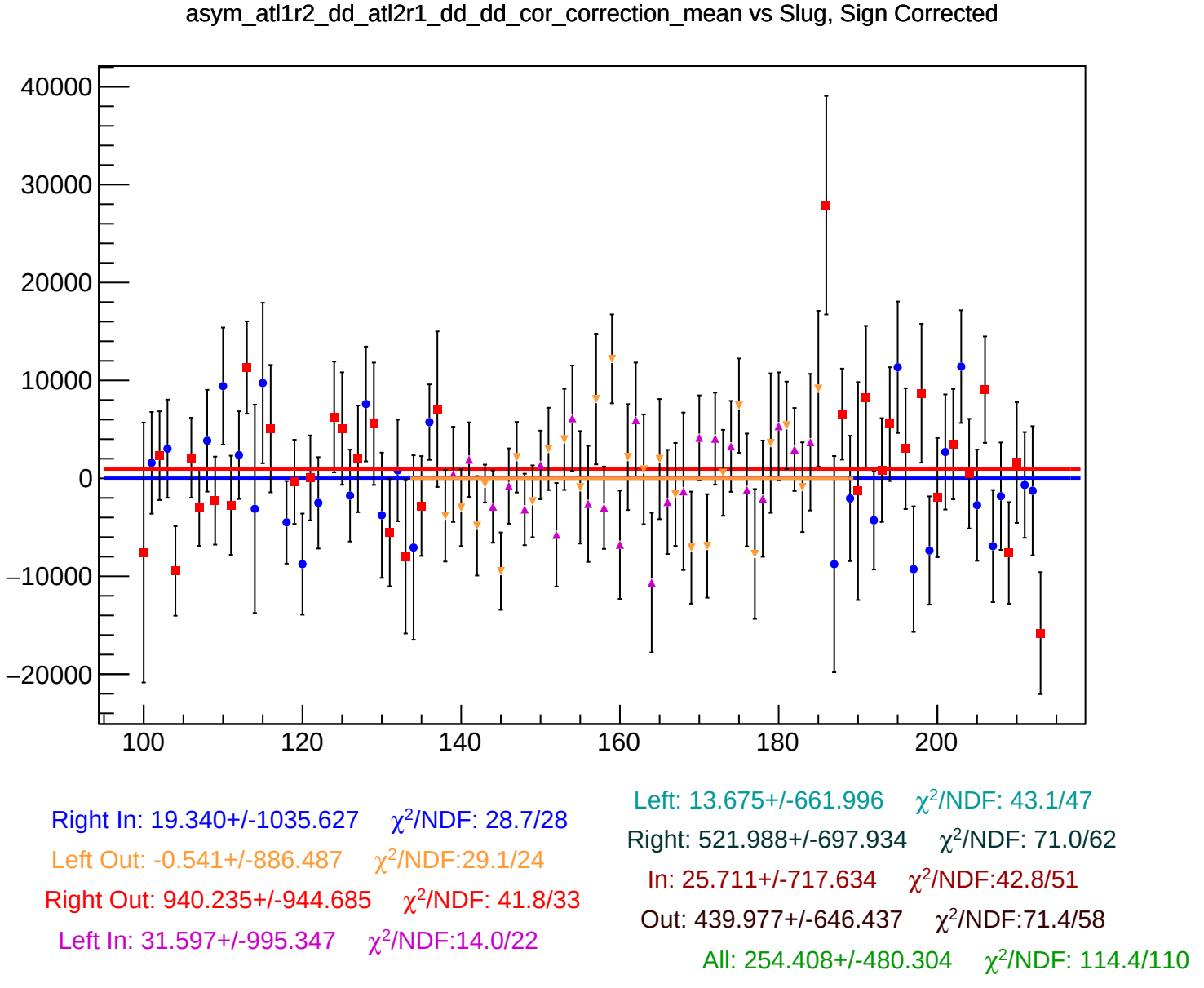
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

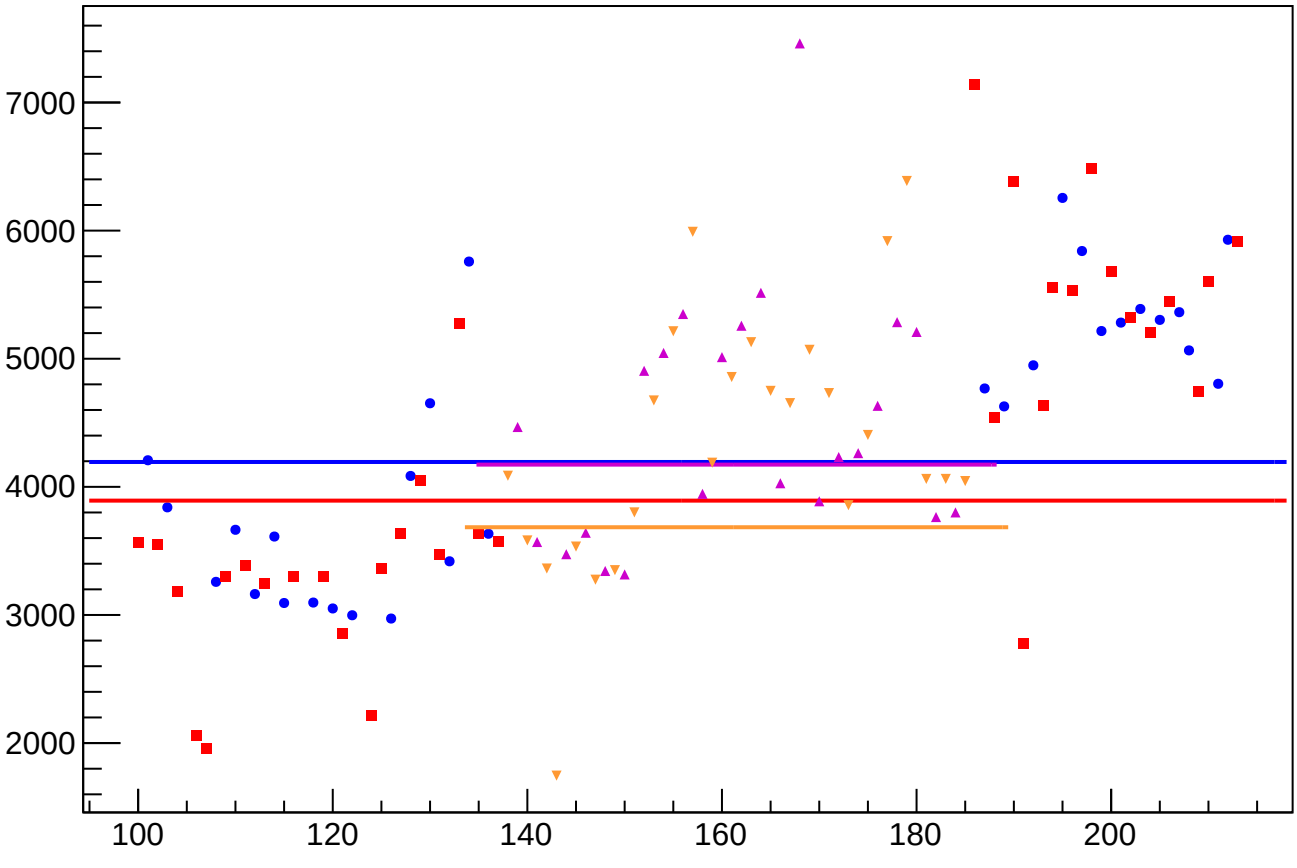
Right: 1283.841+/-0.152 χ^2/NDF: 1020820.8/62

In: 1267.018+/-0.150 χ^2/NDF:570702.4/51

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1272.613+/-0.105 χ^2/NDF: 1256648.4/11


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 19.340+/-1035.627 χ²/NDF: 28.7/28
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: 521.988+/-697.934 χ²/NDF: 71.0/62
In: 25.711+/-717.634 χ²/NDF:42.8/51
Out: 439.977+/-646.437 χ²/NDF:71.4/58
All: 254.408+/-480.304 χ²/NDF: 114.4/110



Right In: 4194.141+/-0.732 χ^2/NDF: 1869244.5/28

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

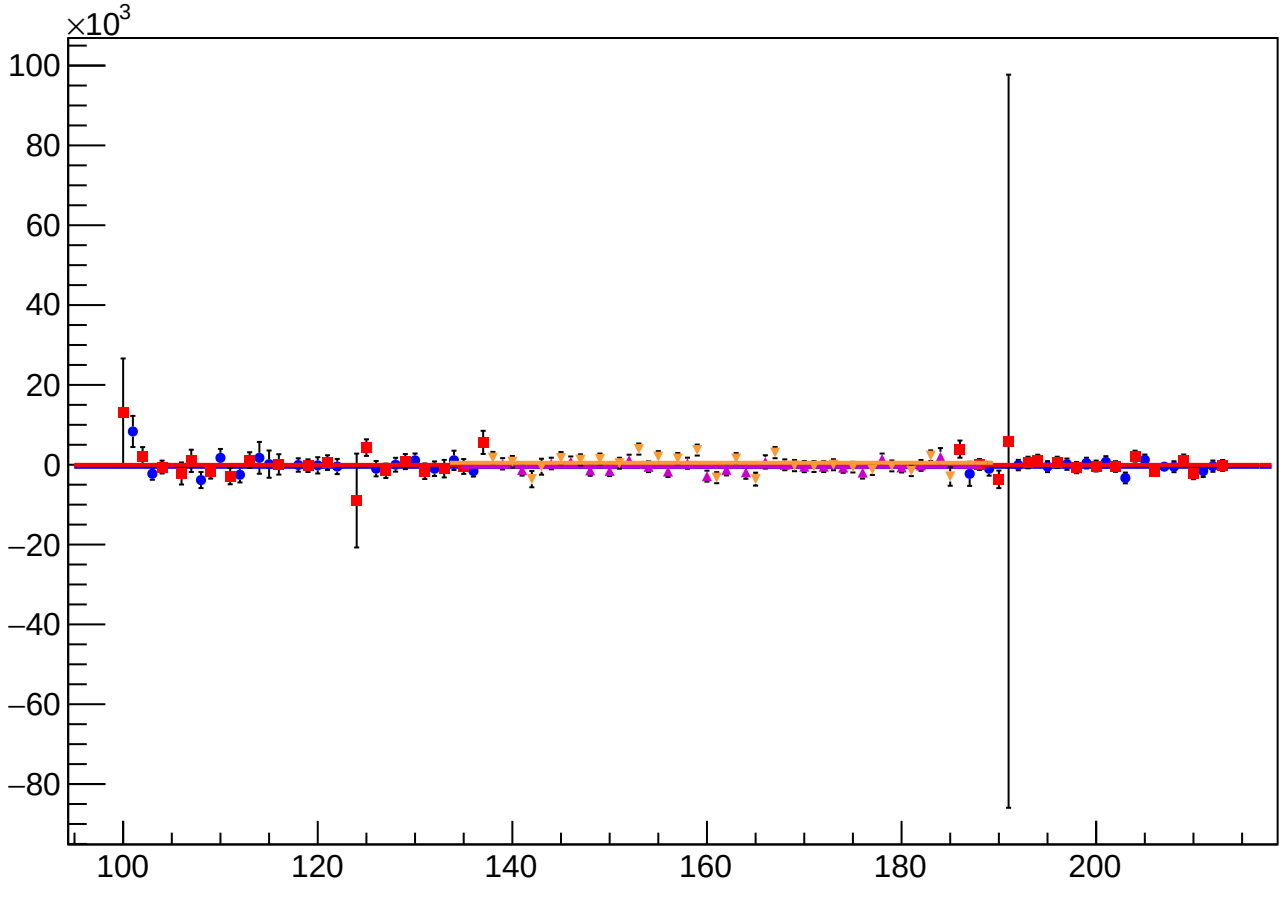
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4029.499+/-0.494 χ^2/NDF: 5399978.4/62

In: 4183.437+/-0.507 χ^2/NDF:3144623.0/51

Out: 3782.036+/-0.457 χ^2/NDF:7183241.0/58

All: 3961.843+/-0.340 χ^2/NDF: 10673295.3/1



Right In: -521.891+/-308.382 χ^2/NDF: 22.4/28

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

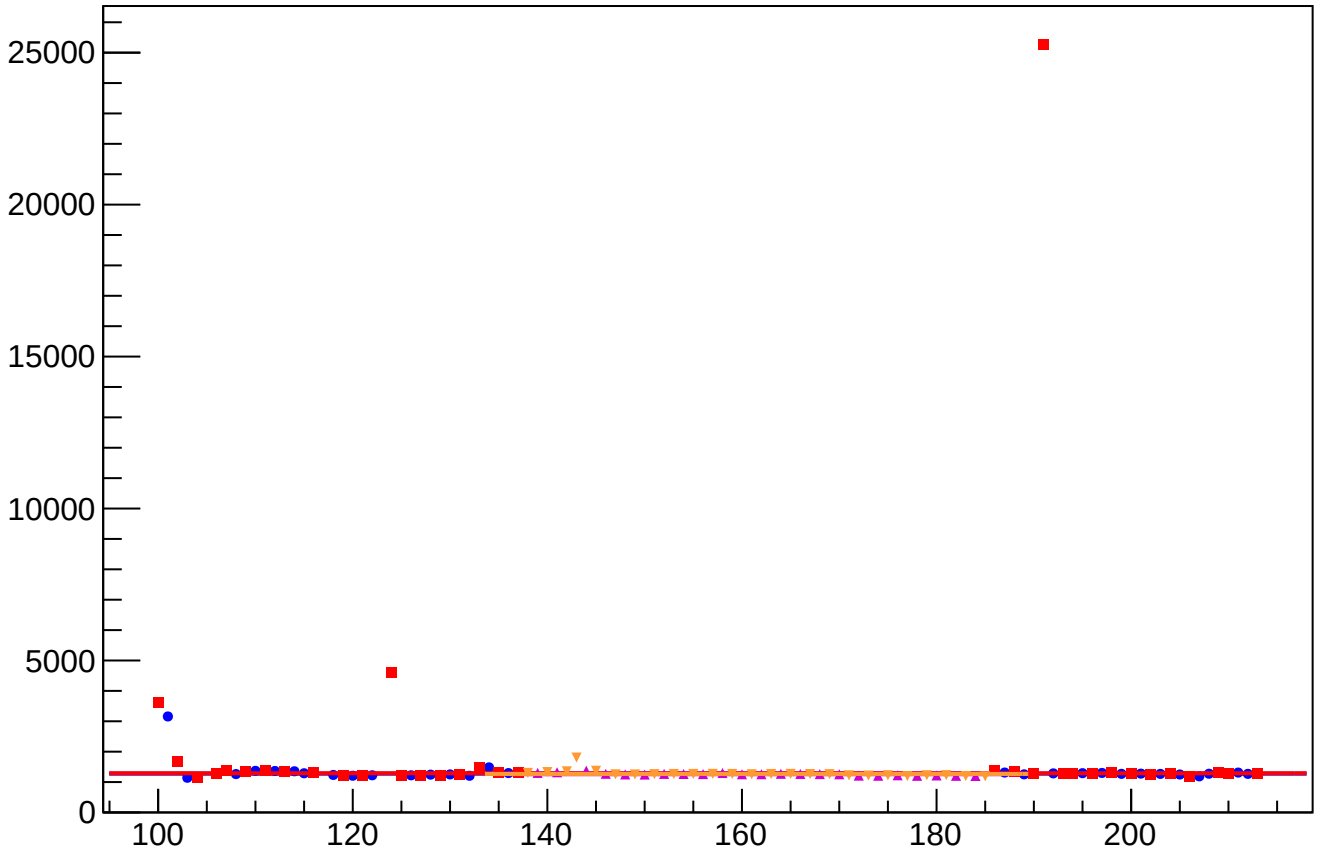
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -271.026+/-215.323 χ^2/NDF: 55.3/62

In: -503.453+/-212.704 χ^2/NDF:36.9/51

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -123.379+/-148.789 χ^2/NDF: 123.2/110



Right In: 1277.449+/-0.218 χ^2/NDF: 529521.0/28

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

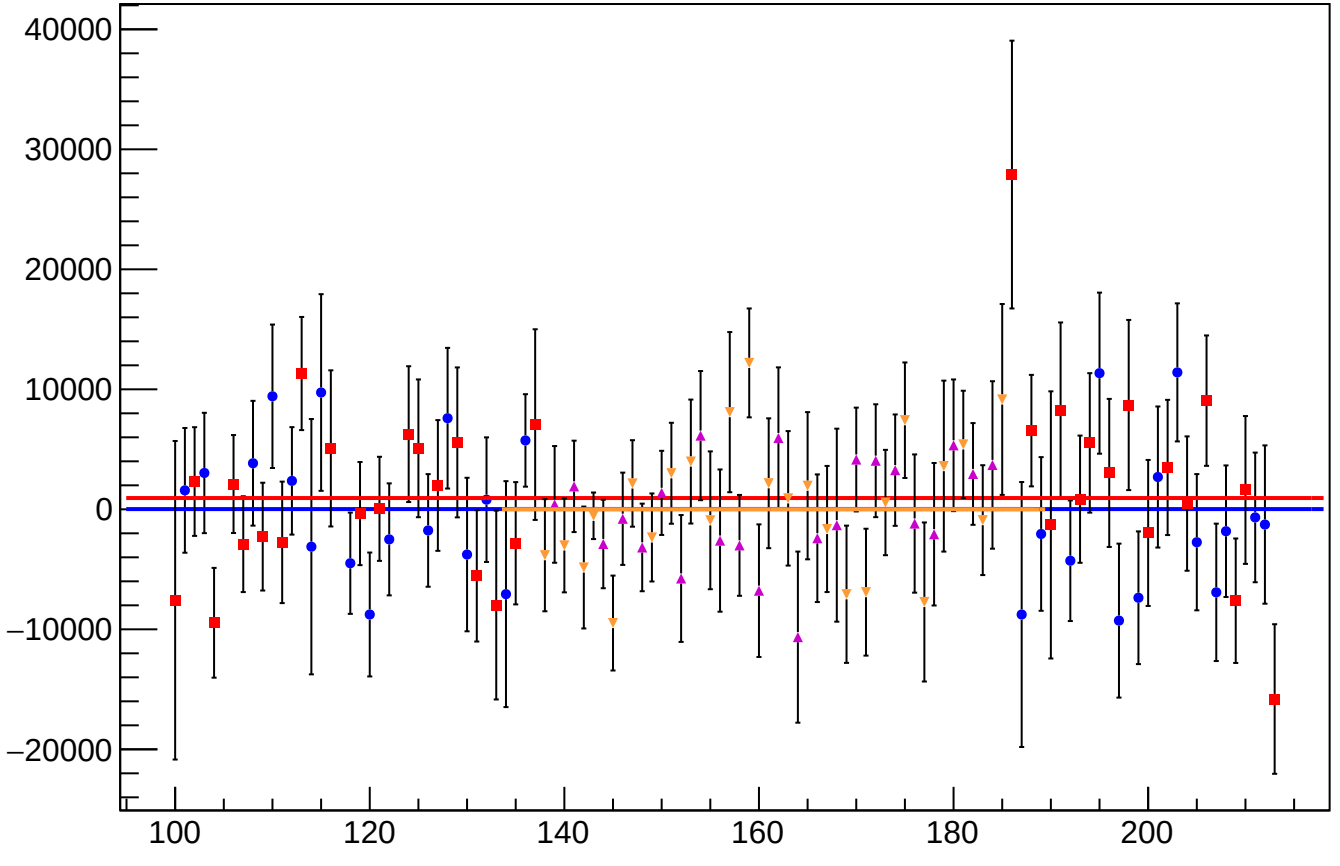
Right: 1283.841+/-0.152 χ^2/NDF: 1020820.8/62

In: 1267.018+/-0.150 χ^2/NDF:570702.4/51

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1272.613+/-0.105 χ^2/NDF: 1256648.4/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 19.340+/-1035.627 χ^2/NDF: 28.7/28

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

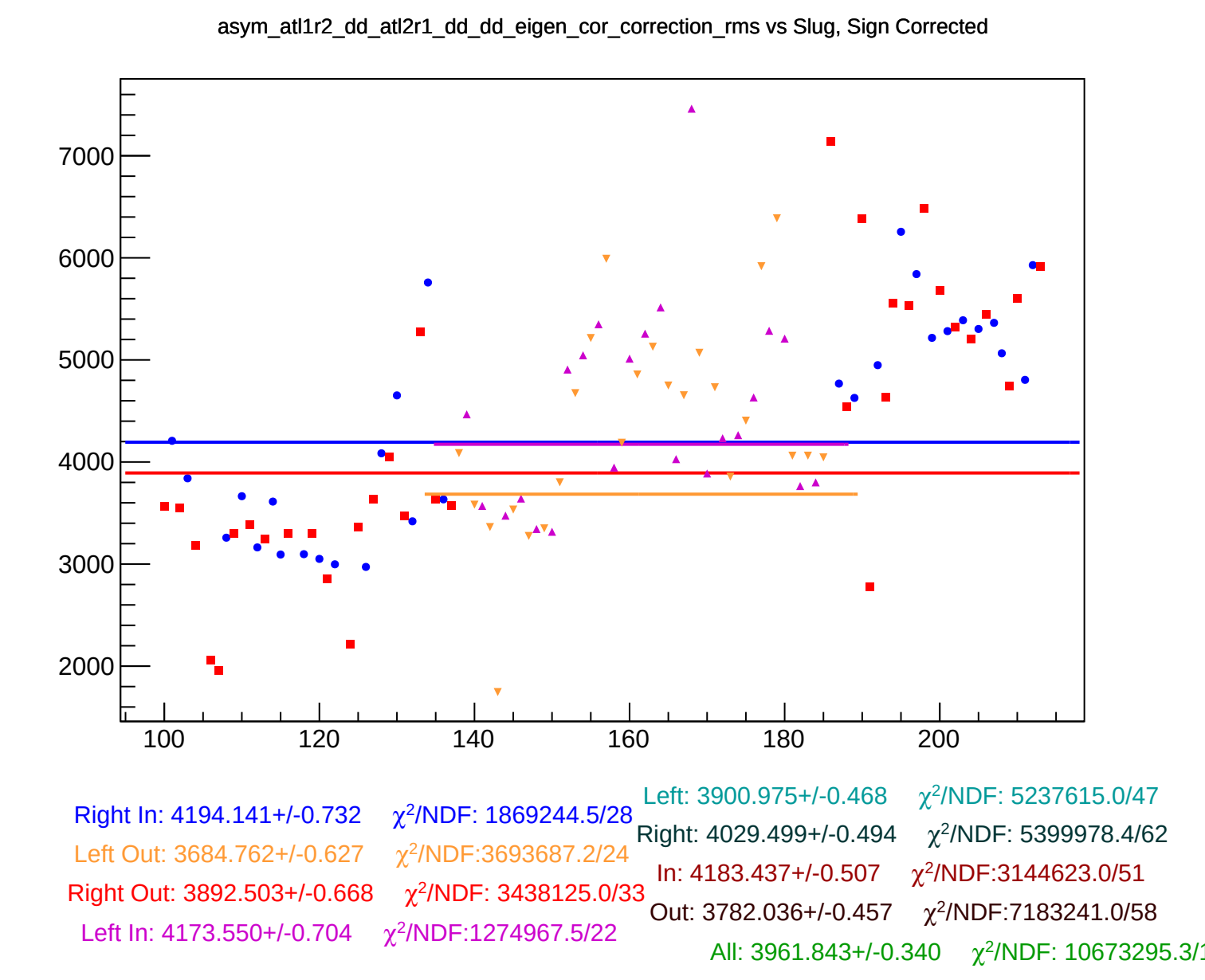
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 521.988+/-697.934 χ^2/NDF: 71.0/62

In: 25.711+/-717.634 χ^2/NDF:42.8/51

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 254.408+/-480.304 χ^2/NDF: 114.4/110


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
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4000
3000
2000
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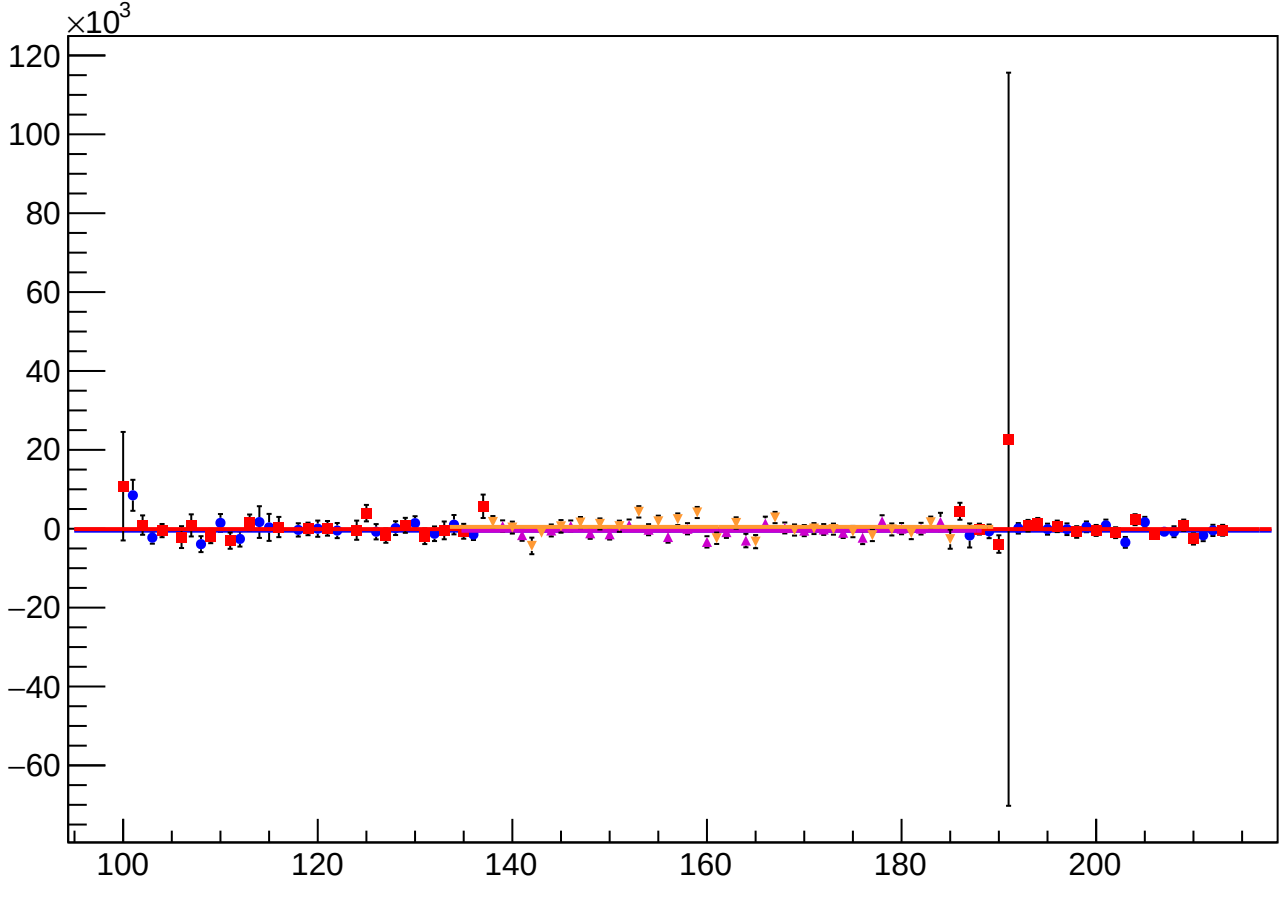
120
140
160
180
200
Right In: 4194.141+/-0.732 χ²/NDF: 1869244.5/28
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3892.503+/-0.668 χ²/NDF: 3438125.0/33
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 4029.499+/-0.494 χ²/NDF: 5399978.4/62
In: 4183.437+/-0.507 χ²/NDF:3144623.0/51
Out: 3782.036+/-0.457 χ²/NDF:7183241.0/58
All: 3961.843+/-0.340 χ²/NDF: 10673295.3/



Right In: -490.729+/-312.505 χ^2/NDF: 23.9/28

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

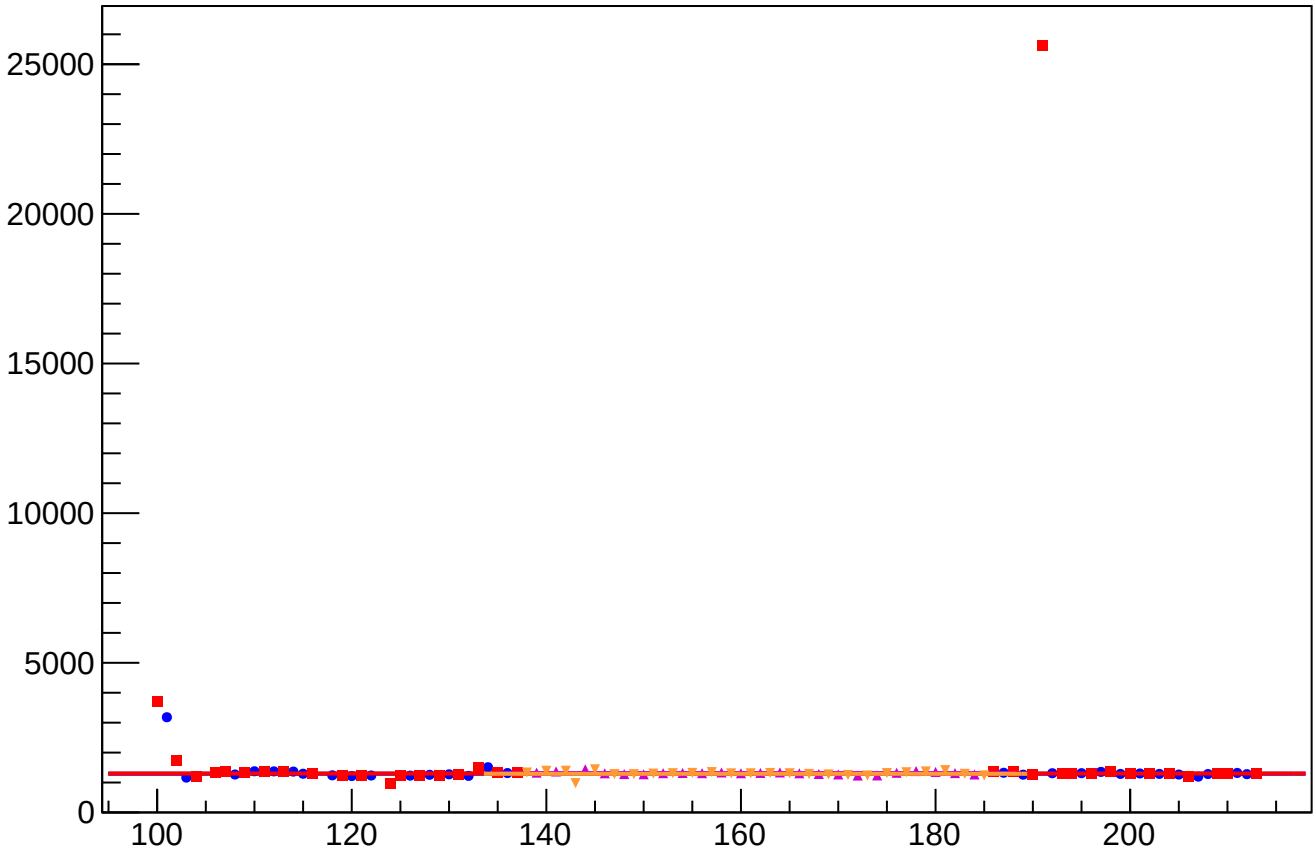
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -286.381+/-217.562 χ^2/NDF: 57.5/62

In: -497.257+/-219.022 χ^2/NDF:41.3/51

Out: 195.165+/-211.118 χ^2/NDF:78.6/58

All: -138.327+/-152.001 χ^2/NDF: 125.1/110



Right In: 1294.402+/-0.221 χ^2/NDF: 529767.8/28

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

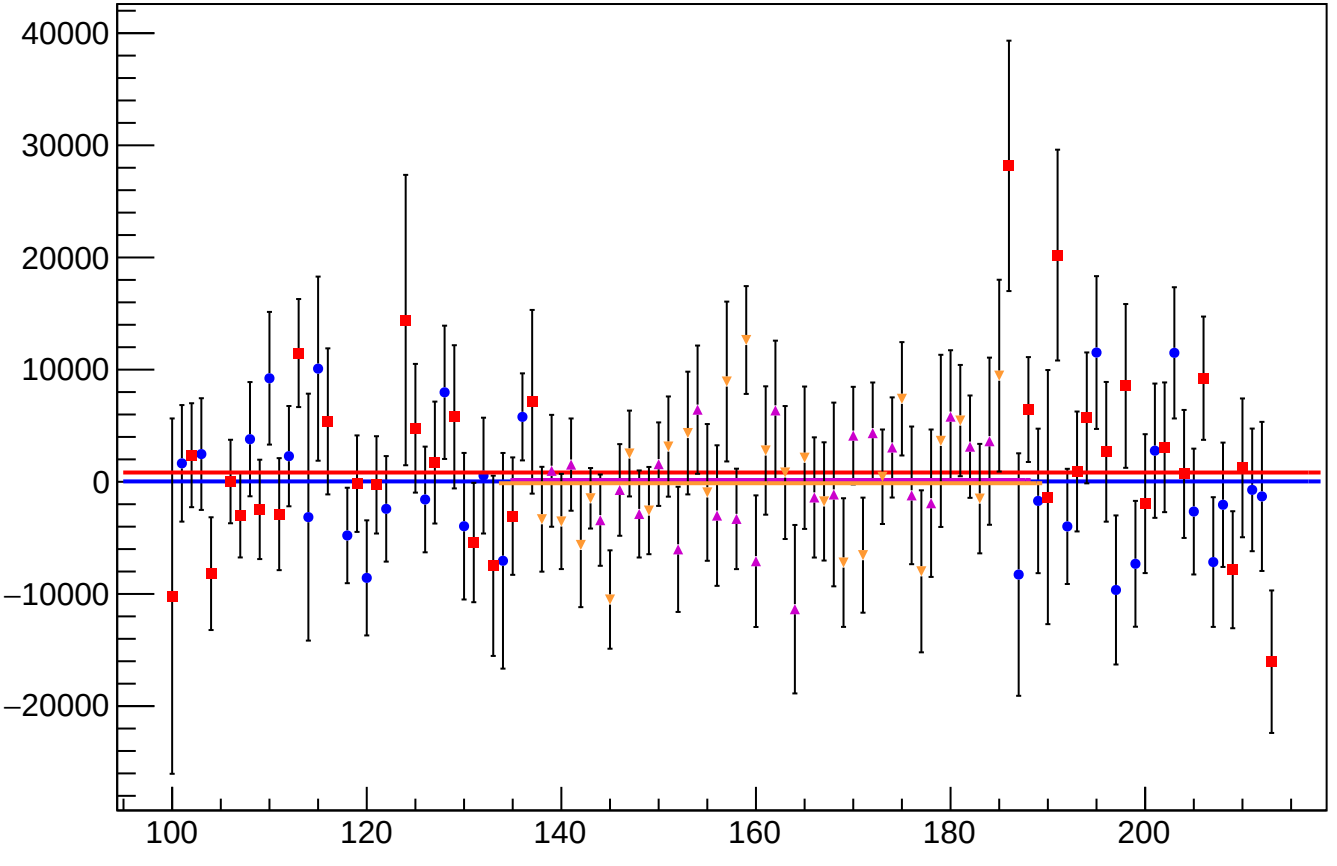
Right: 1297.788+/-0.154 χ^2/NDF: 908573.1/62

In: 1304.376+/-0.155 χ^2/NDF:576816.8/51

Out: 1295.948+/-0.149 χ^2/NDF:610152.9/58

All: 1300.007+/-0.107 χ^2/NDF: 1188505.2/11

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 34.054+/-1041.721 χ^2/NDF: 28.5/28

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

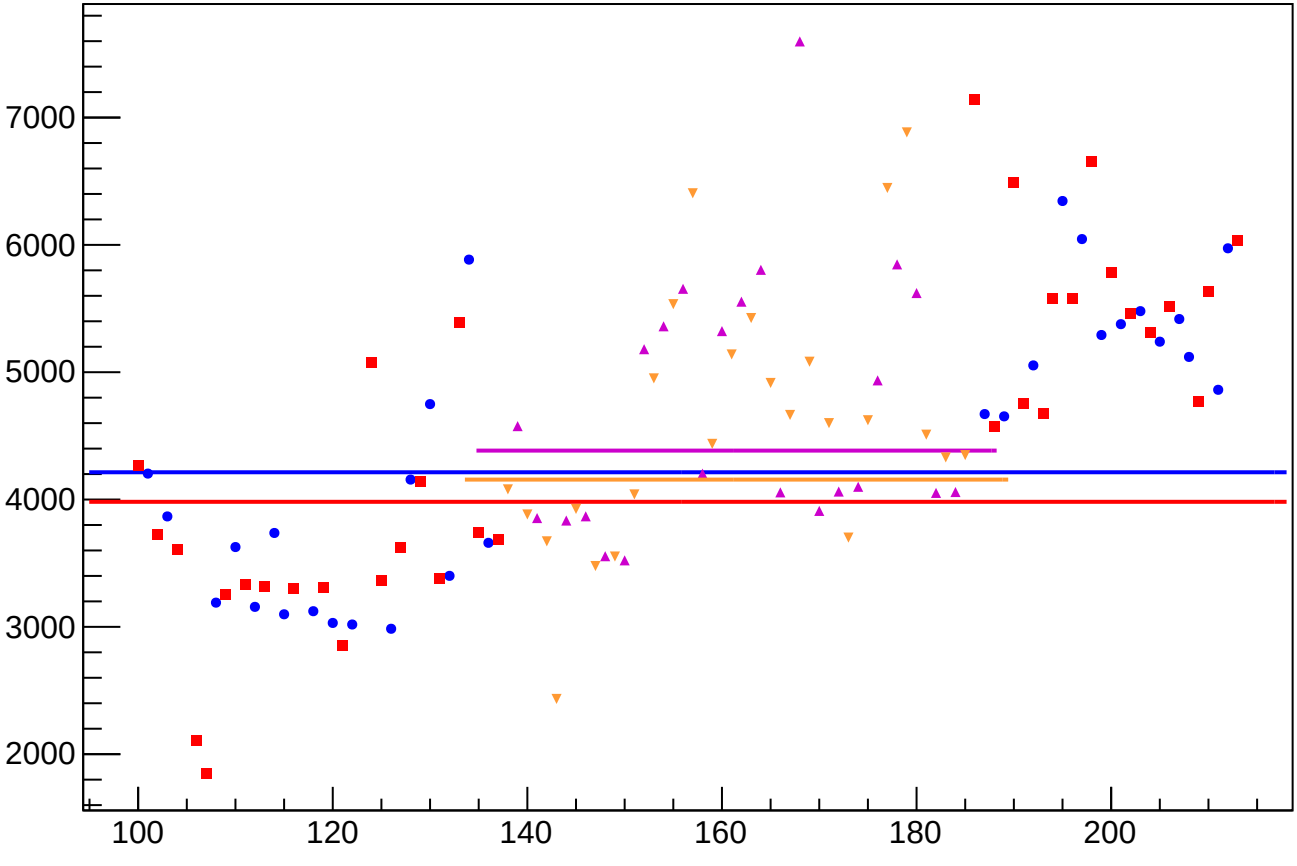
Right: 463.182+/-706.201 χ^2/NDF: 72.2/62

In: 96.526+/-737.944 χ^2/NDF:42.3/51

Out: 358.596+/-685.065 χ^2/NDF:72.5/58

All: 237.286+/-502.068 χ^2/NDF: 114.8/110

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4214.129+/-0.737 χ^2/NDF: 1962126.5/28

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

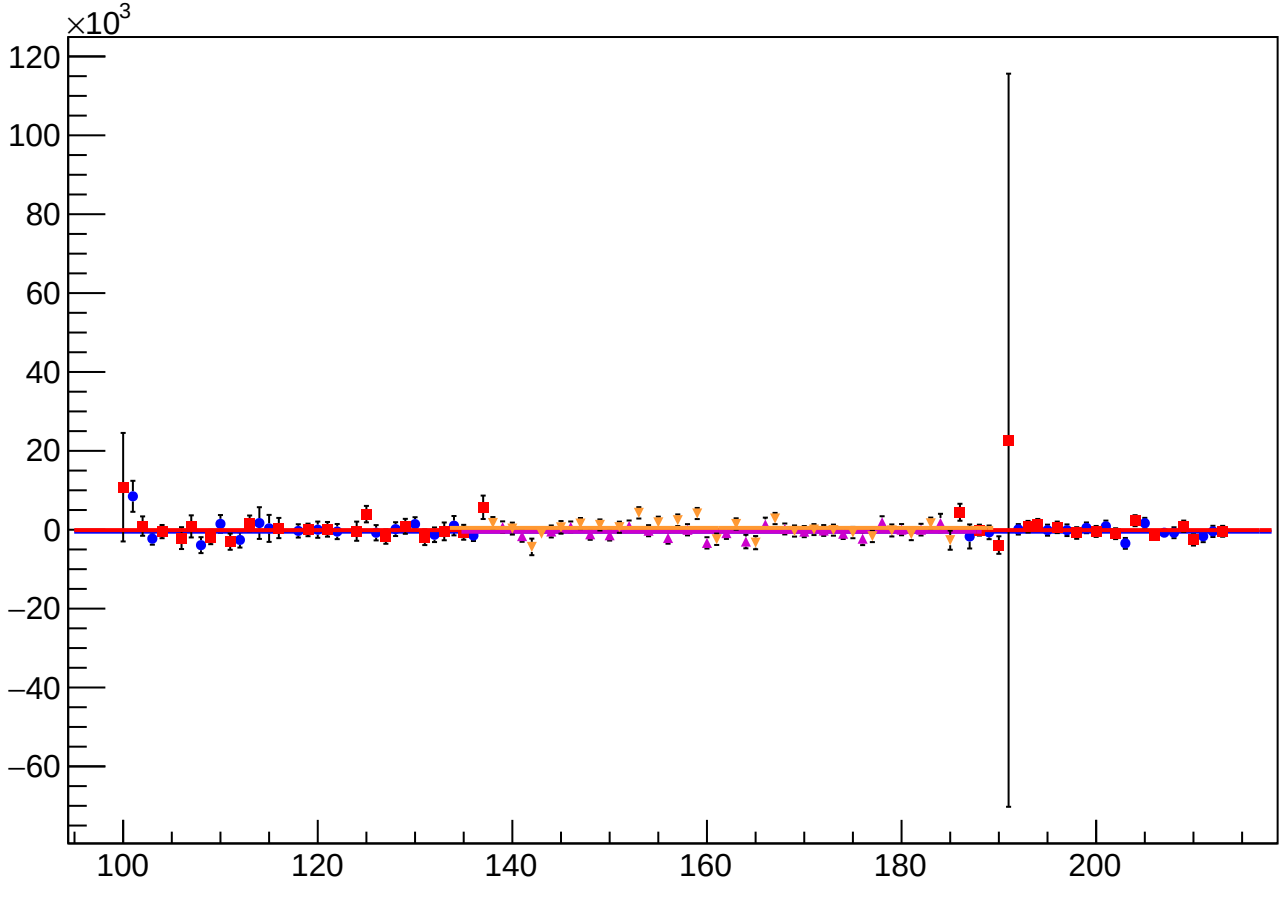
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4088.733+/-0.499 χ^2/NDF: 5500352.2/62

In: 4298.917+/-0.522 χ^2/NDF:3244192.6/51

Out: 4067.846+/-0.484 χ^2/NDF:5597793.9/58

All: 4174.807+/-0.355 χ^2/NDF: 8947312.4/11



Right In: -490.730+/-312.505 χ^2/NDF: 23.9/28

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

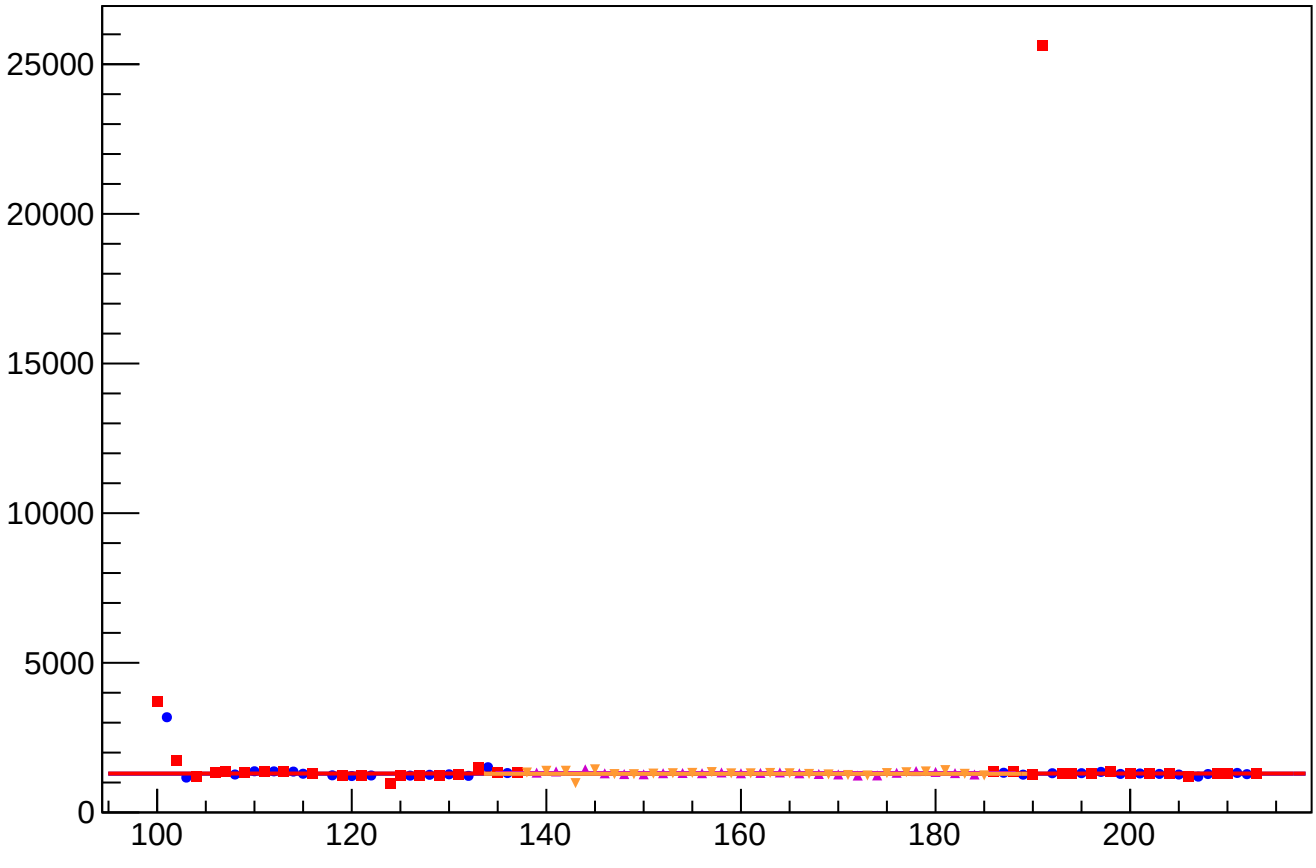
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -286.382+/-217.562 χ^2/NDF: 57.5/62

In: -497.257+/-219.022 χ^2/NDF:41.3/51

Out: 195.166+/-211.118 χ^2/NDF:78.6/58

All: -138.326+/-152.001 χ^2/NDF: 125.1/110



Right In: 1294.402+/-0.221 χ^2/NDF: 529767.9/28

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

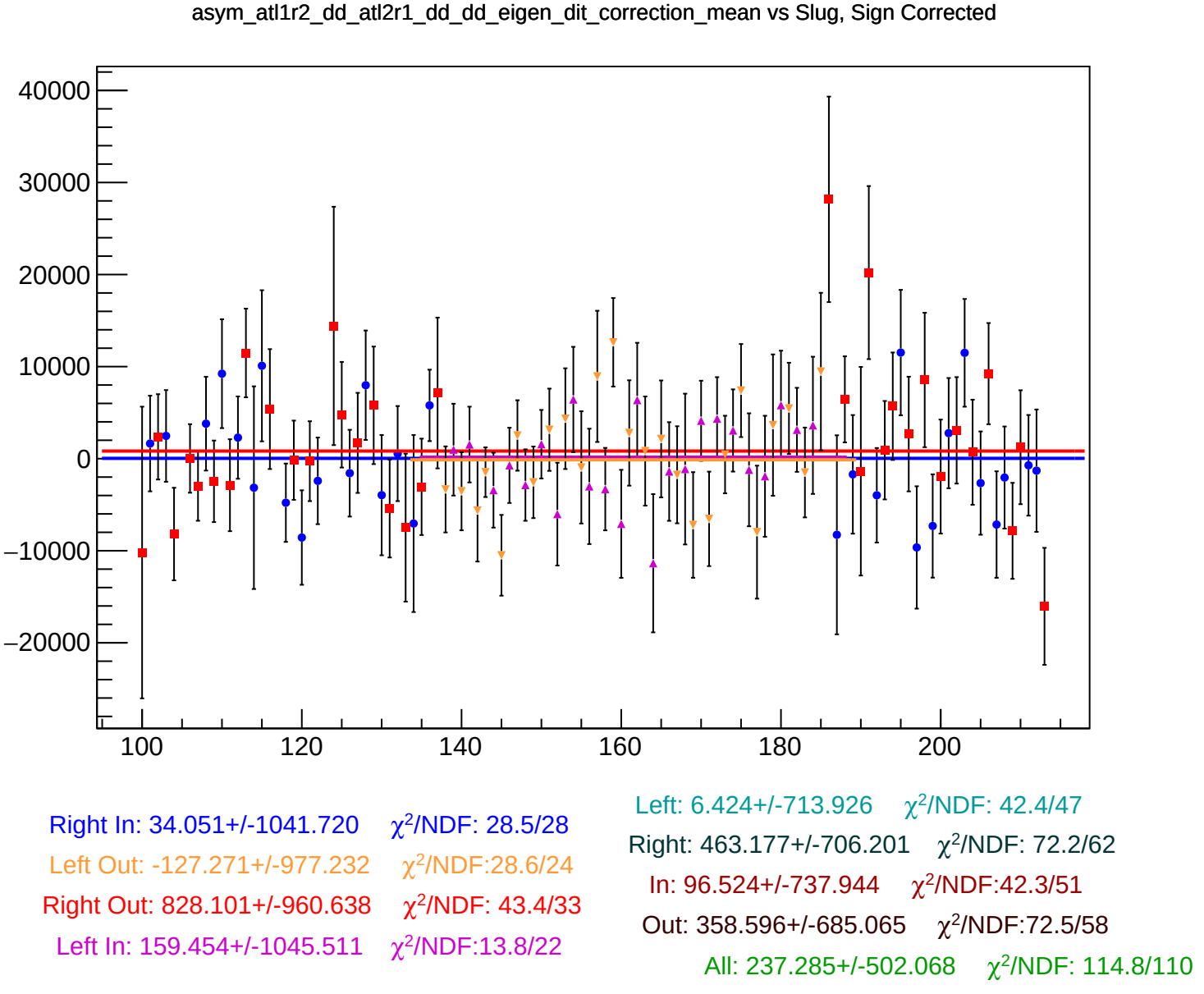
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1297.788+/-0.154 χ^2/NDF: 908573.3/62

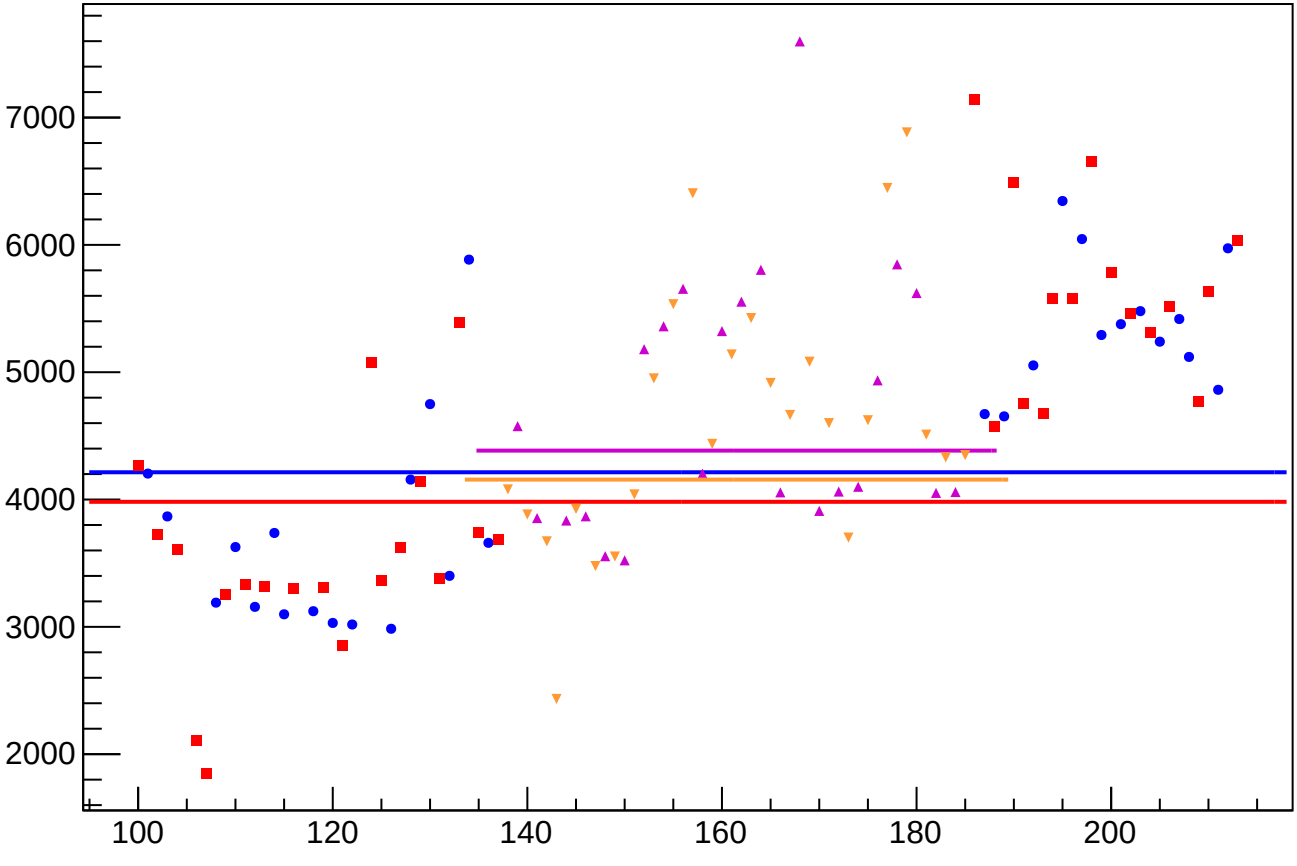
In: 1304.377+/-0.155 χ^2/NDF:576819.5/51

Out: 1295.949+/-0.149 χ^2/NDF:610155.3/58

All: 1300.007+/-0.107 χ^2/NDF: 1188510.3/11


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 34.051+/-1041.720 χ²/NDF: 28.5/28
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: 463.177+/-706.201 χ²/NDF: 72.2/62
In: 96.524+/-737.944 χ²/NDF:42.3/51
Out: 358.596+/-685.065 χ²/NDF:72.5/58
All: 237.285+/-502.068 χ²/NDF: 114.8/110

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4214.124+/-0.737 χ^2/NDF: 1962162.4/28

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

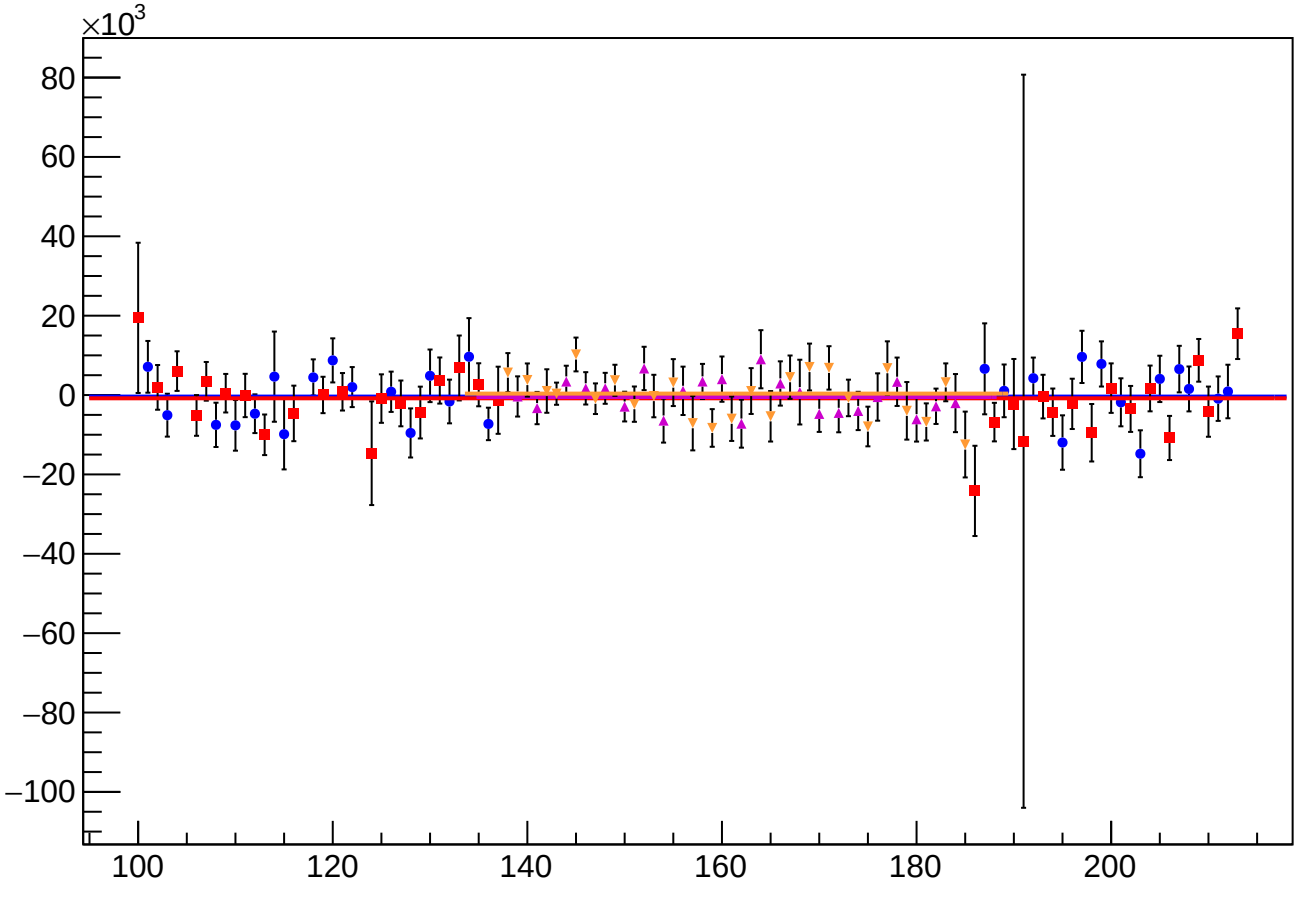
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4088.728+/-0.499 χ^2/NDF: 5500422.8/62

In: 4298.917+/-0.522 χ^2/NDF:3244236.5/51

Out: 4067.846+/-0.484 χ^2/NDF:5597835.7/58

All: 4174.807+/-0.355 χ^2/NDF: 8947398.5/11



Right In: -388.617+/-1097.646 χ^2/NDF: 34.6/28

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

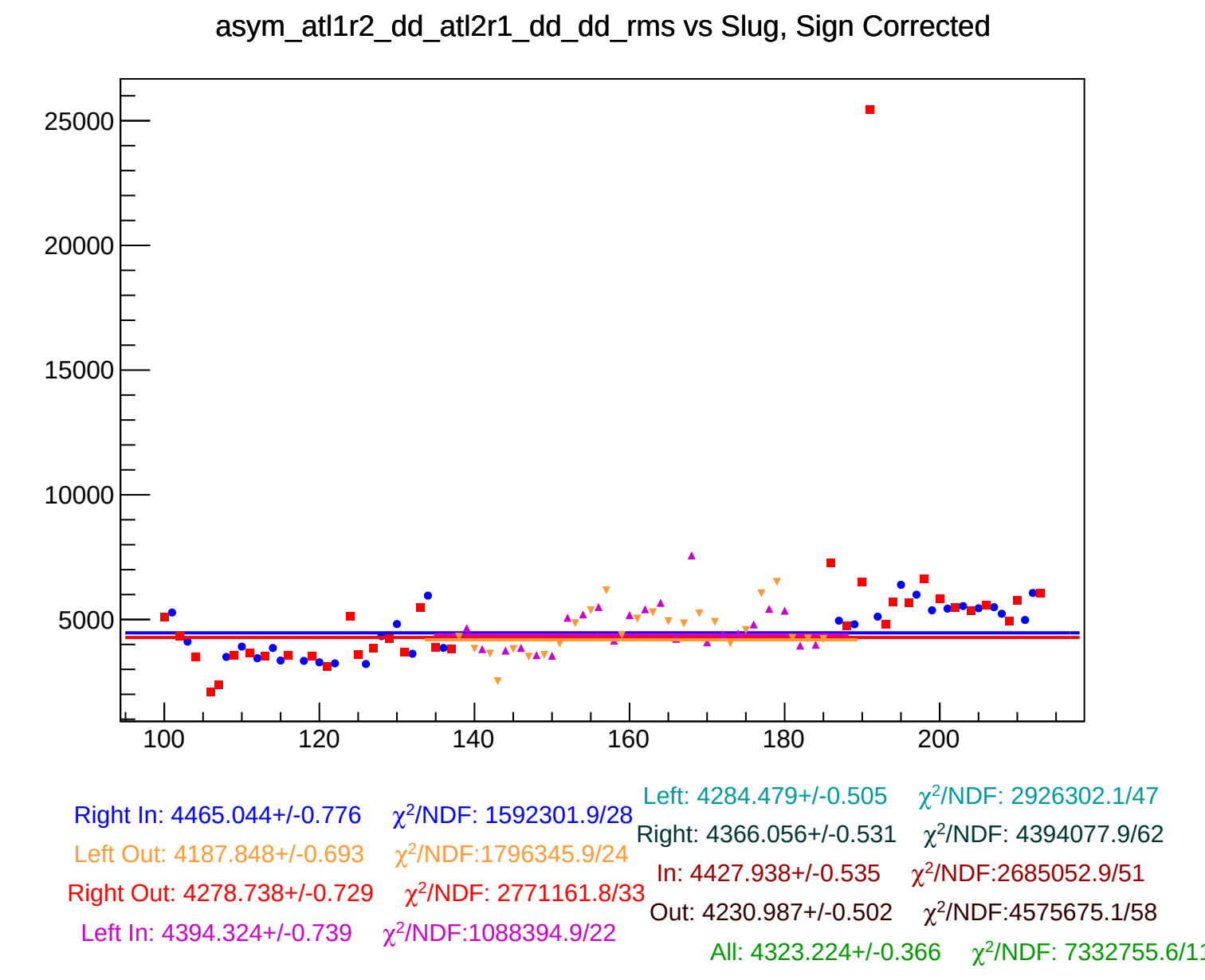
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -617.086+/-754.779 χ^2/NDF: 67.9/62

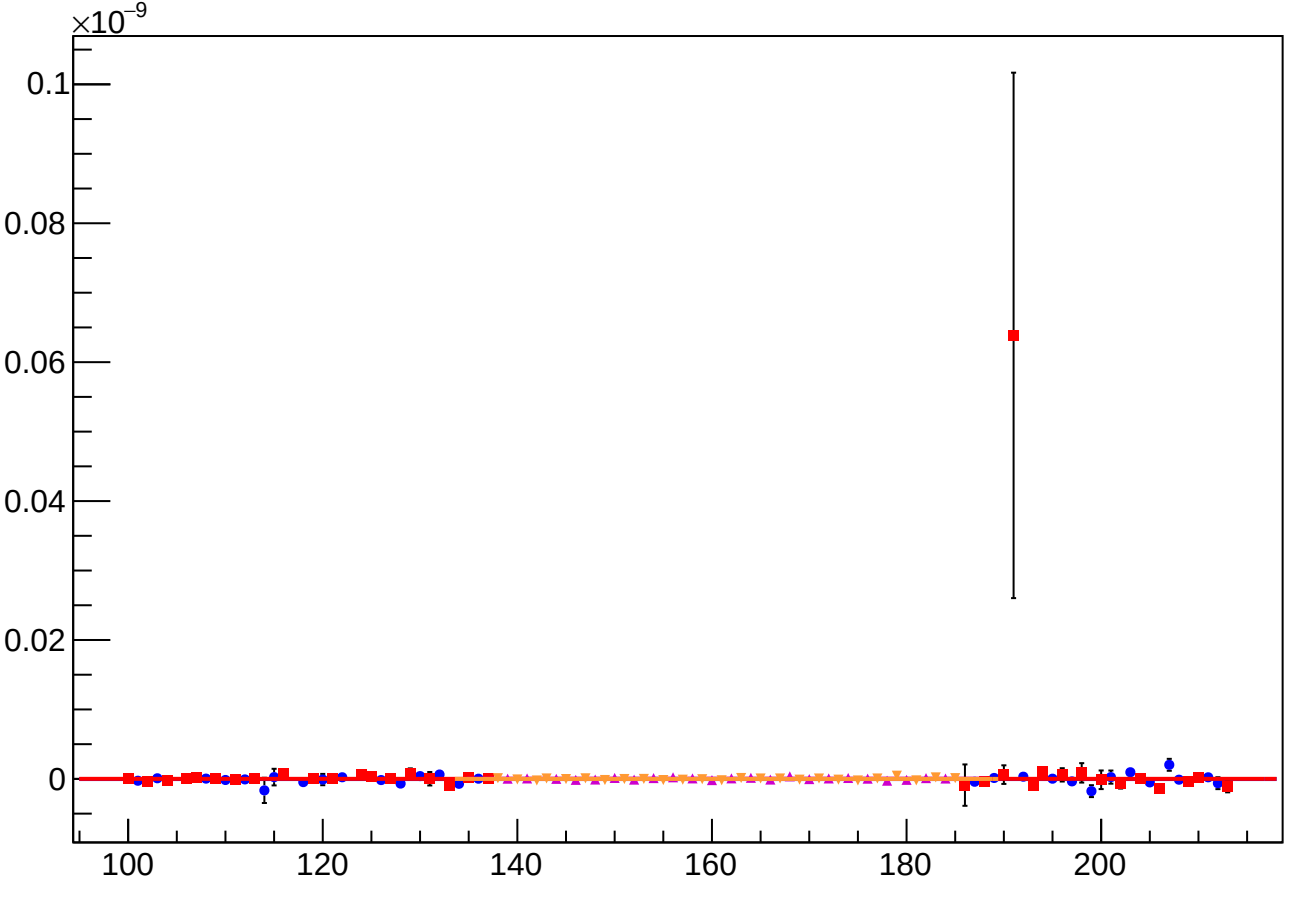
In: -445.759+/-756.742 χ^2/NDF:48.5/51

Out: -194.756+/-713.037 χ^2/NDF:61.6/58

All: -312.800+/-518.957 χ^2/NDF: 110.1/110


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4465.044+/-0.776 χ²/NDF: 1592301.9/28
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: 4366.056+/-0.531 χ²/NDF: 4394077.9/62
In: 4427.938+/-0.535 χ²/NDF:2685052.9/51
Out: 4230.987+/-0.502 χ²/NDF:4575675.1/58
All: 4323.224+/-0.366 χ²/NDF: 7332755.6/11

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/28

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

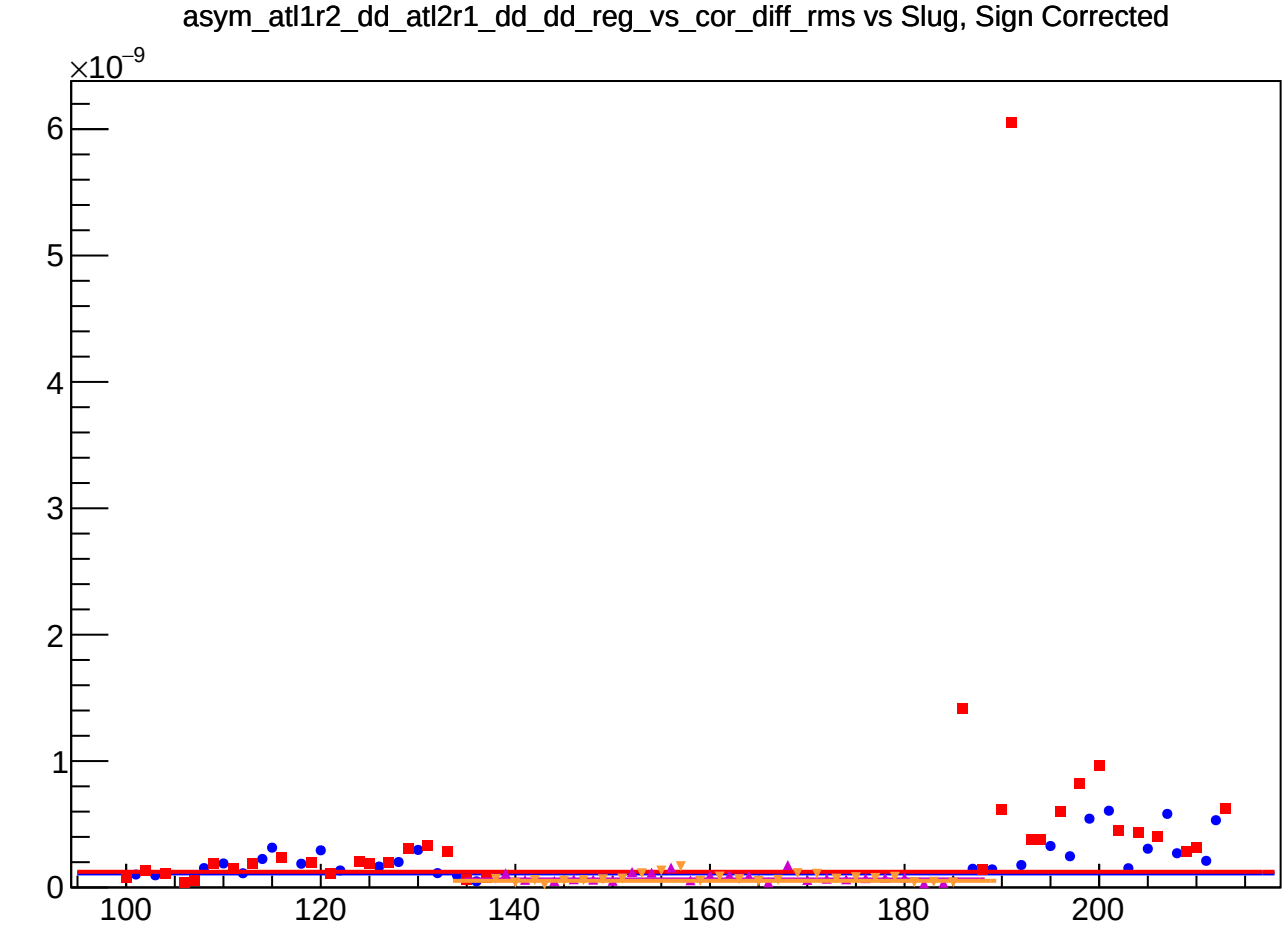
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 70.7/62

In: 0.000+/-0.000 χ^2/NDF:52.8/51

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: 0.000+/-0.000 χ^2/NDF: 118.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 4926494.3/28

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

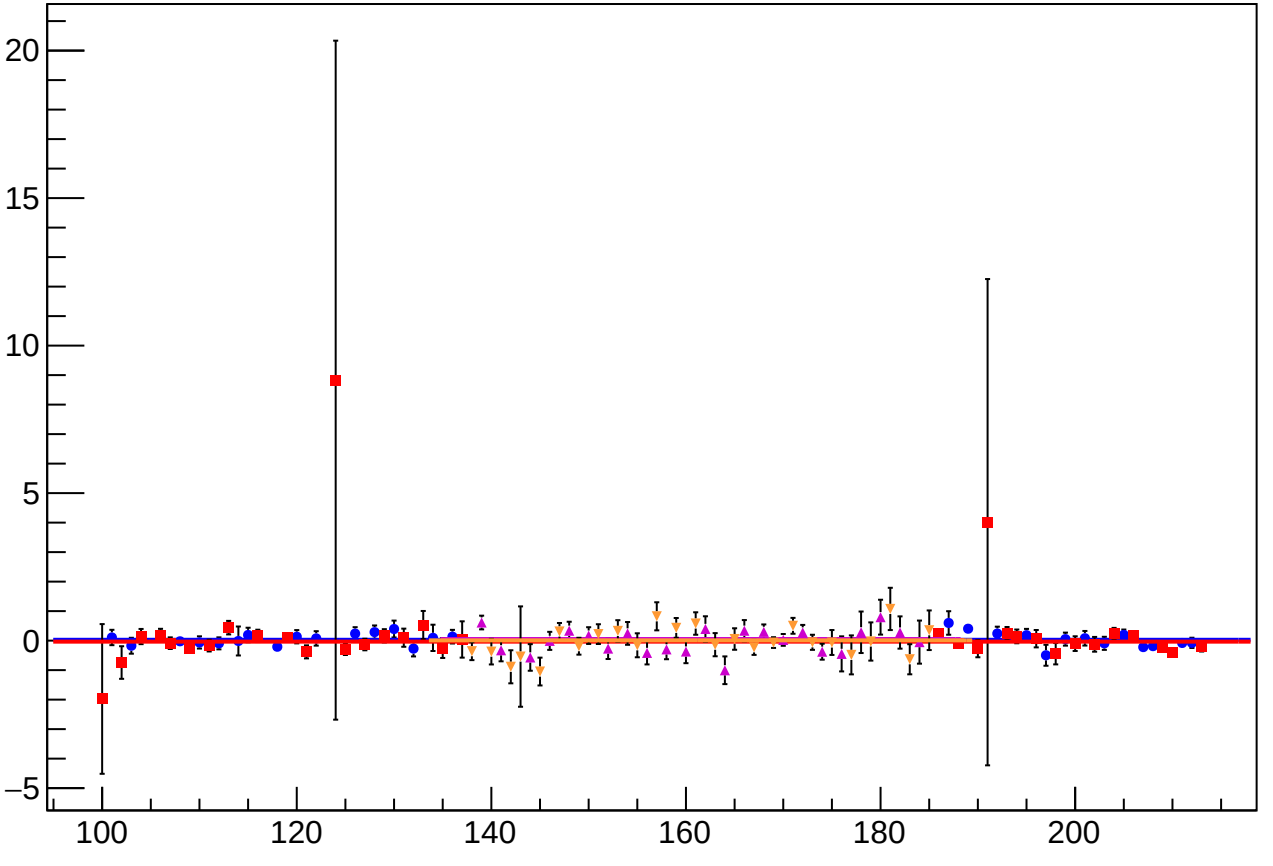
Right: 0.000+/-0.000 χ^2/NDF: 12489424.3/62

In: 0.000+/-0.000 χ^2/NDF:7947767.0/51

Out: 0.000+/-0.000 χ^2/NDF:12655494.5/58

All: 0.000+/-0.000 χ^2/NDF: 20850435.4/110

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.040 χ^2/NDF: 27.6/28

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

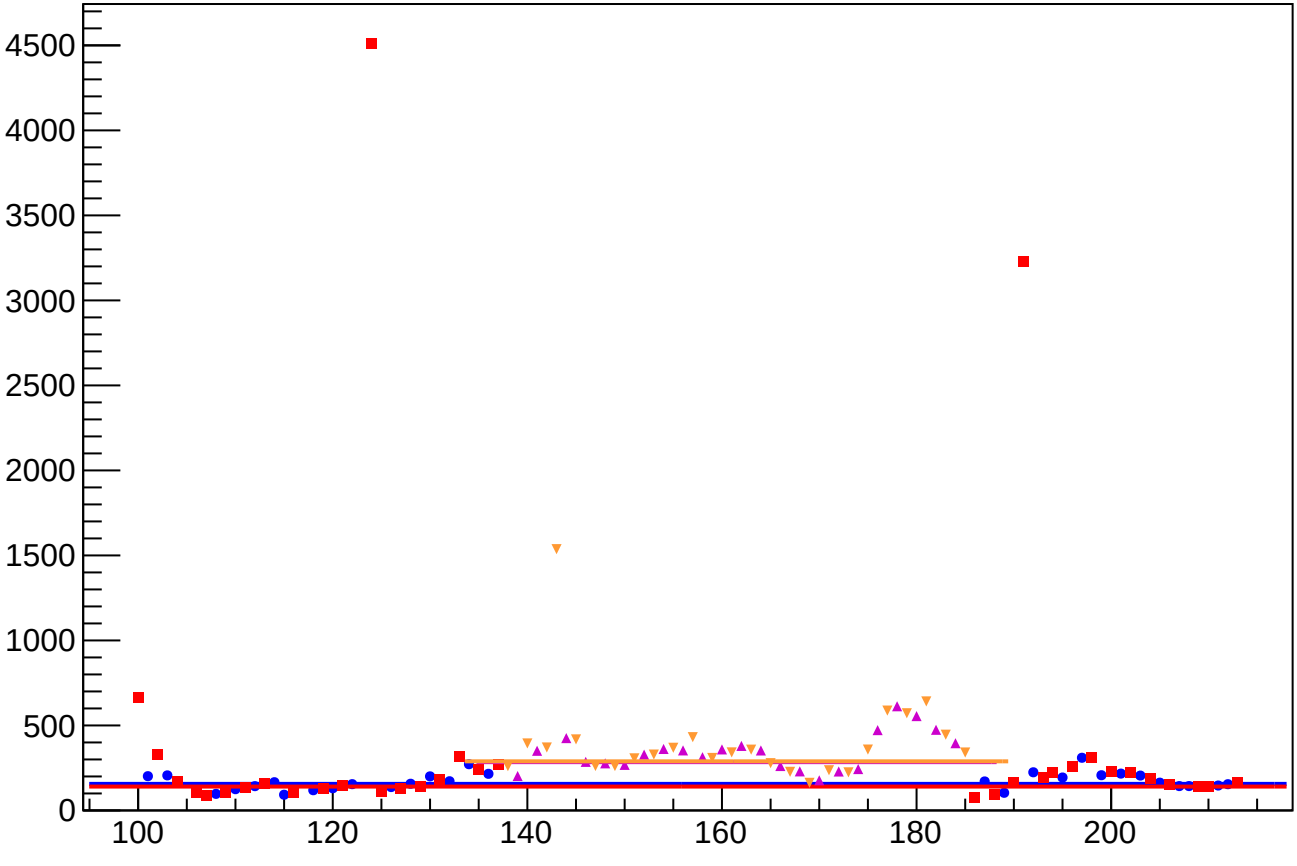
Right: -0.006+/-0.027 χ^2/NDF: 69.7/62

In: 0.034+/-0.035 χ^2/NDF:55.4/51

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.002+/-0.023 χ^2/NDF: 127.0/110

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.312+/-0.028 χ^2/NDF: 2259862.8/28

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

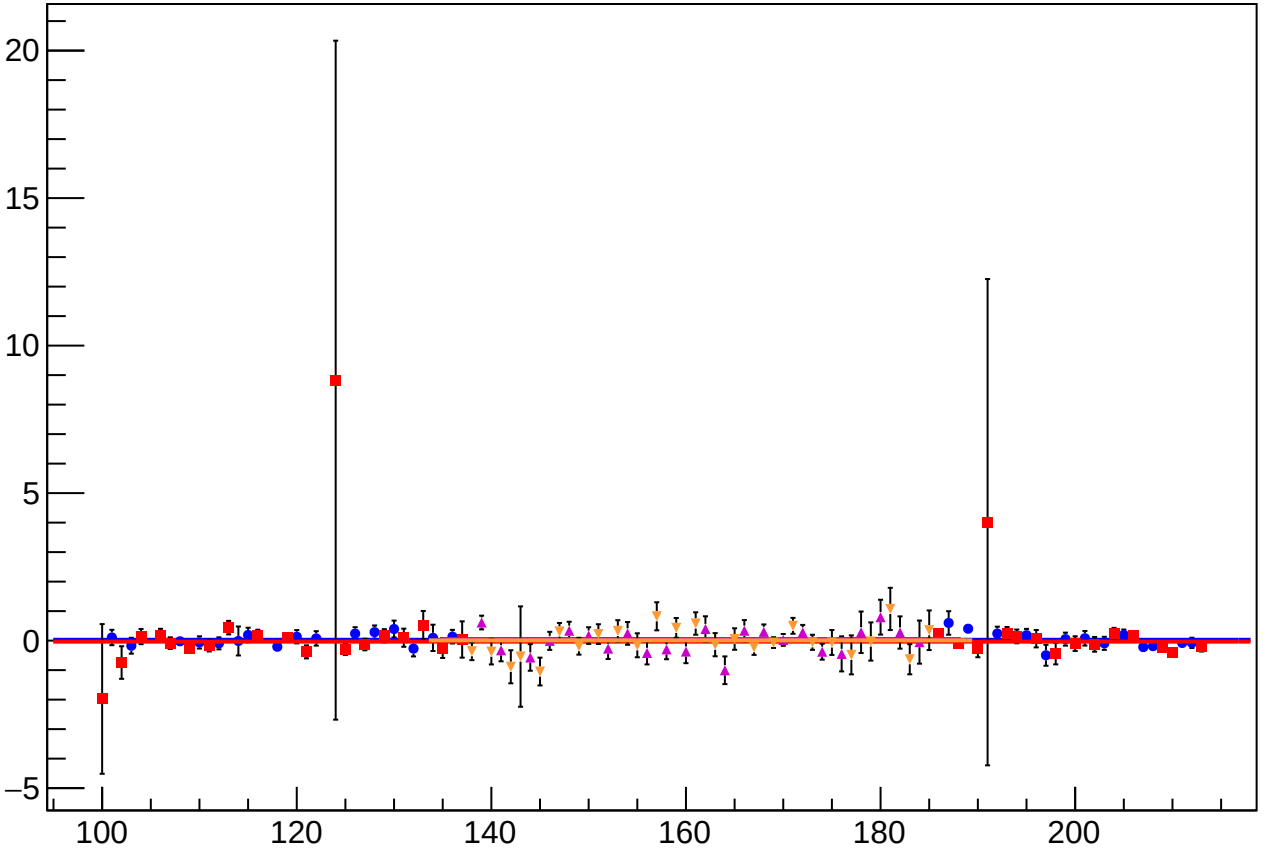
Right: 147.599+/-0.019 χ^2/NDF: 7156310.2/62

In: 187.023+/-0.024 χ^2/NDF:10348945.3/51

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 178.134+/-0.017 χ^2/NDF: 26933439.9/11

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.040 χ^2/NDF: 27.6/28

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

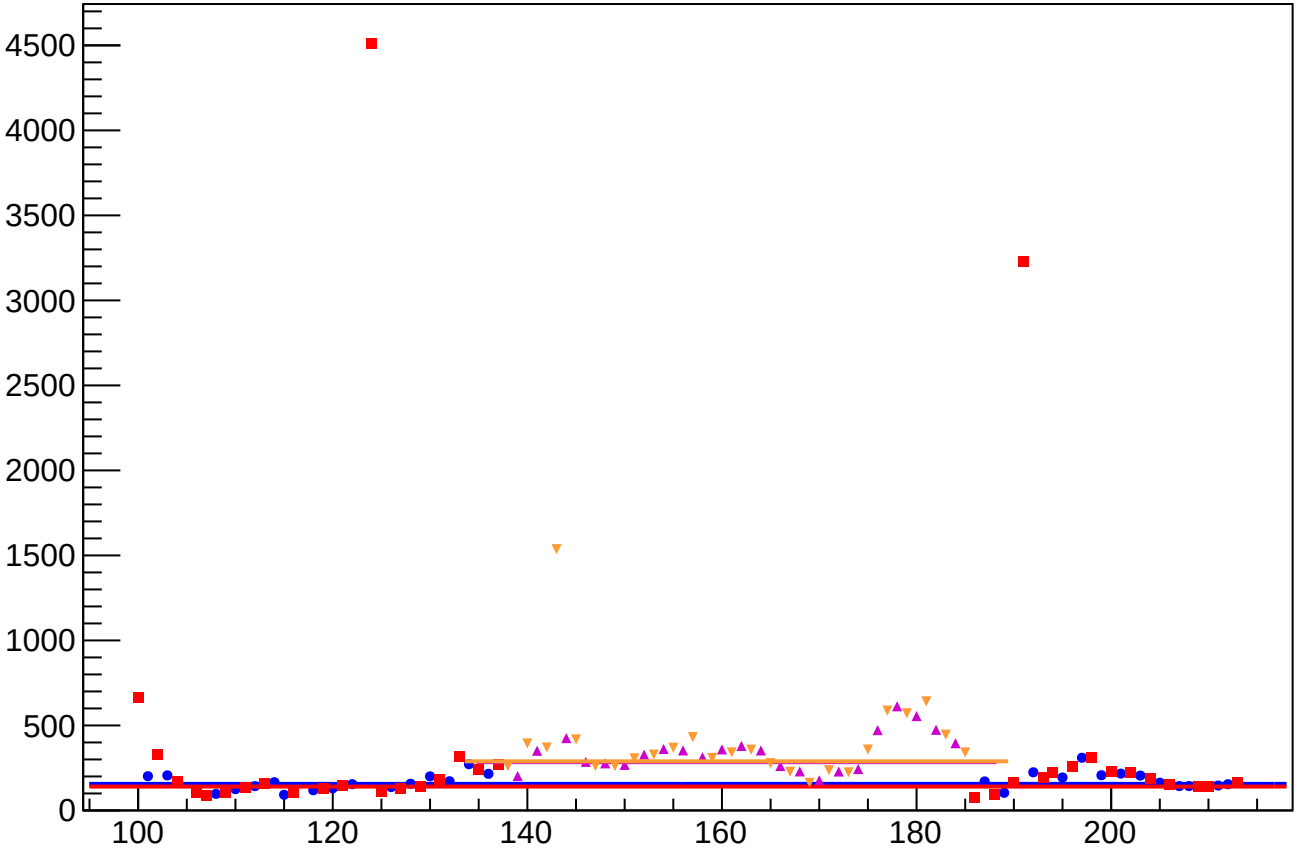
Right: -0.006+/-0.027 χ^2/NDF: 69.7/62

In: 0.034+/-0.035 χ^2/NDF:55.4/51

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.002+/-0.023 χ^2/NDF: 127.0/110

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.312+/-0.028 χ^2/NDF: 2259862.8/28

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

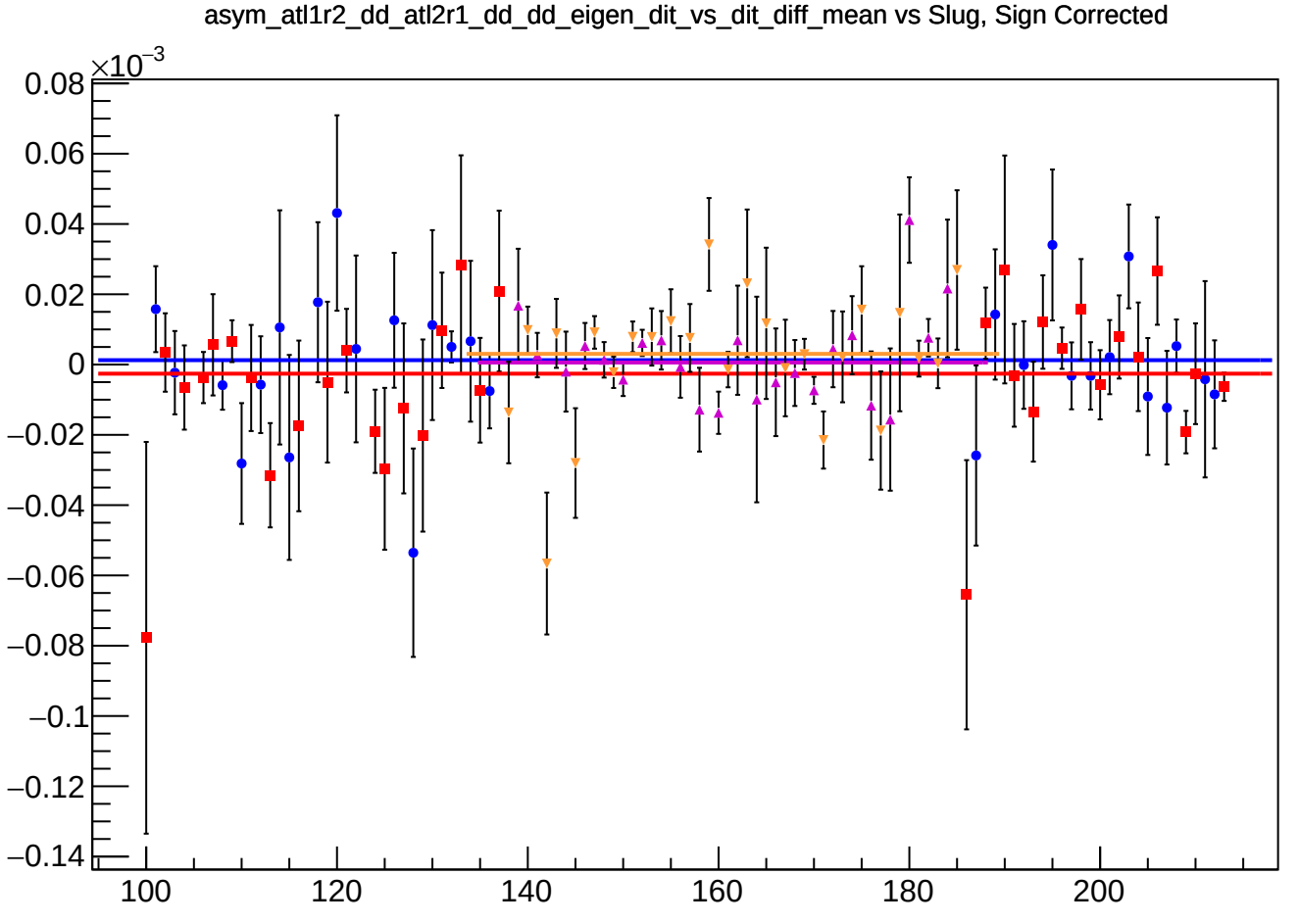
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.599+/-0.019 χ^2/NDF: 7156310.2/62

In: 187.023+/-0.024 χ^2/NDF:10348945.3/51

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 178.134+/-0.017 χ^2/NDF: 26933439.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/28

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

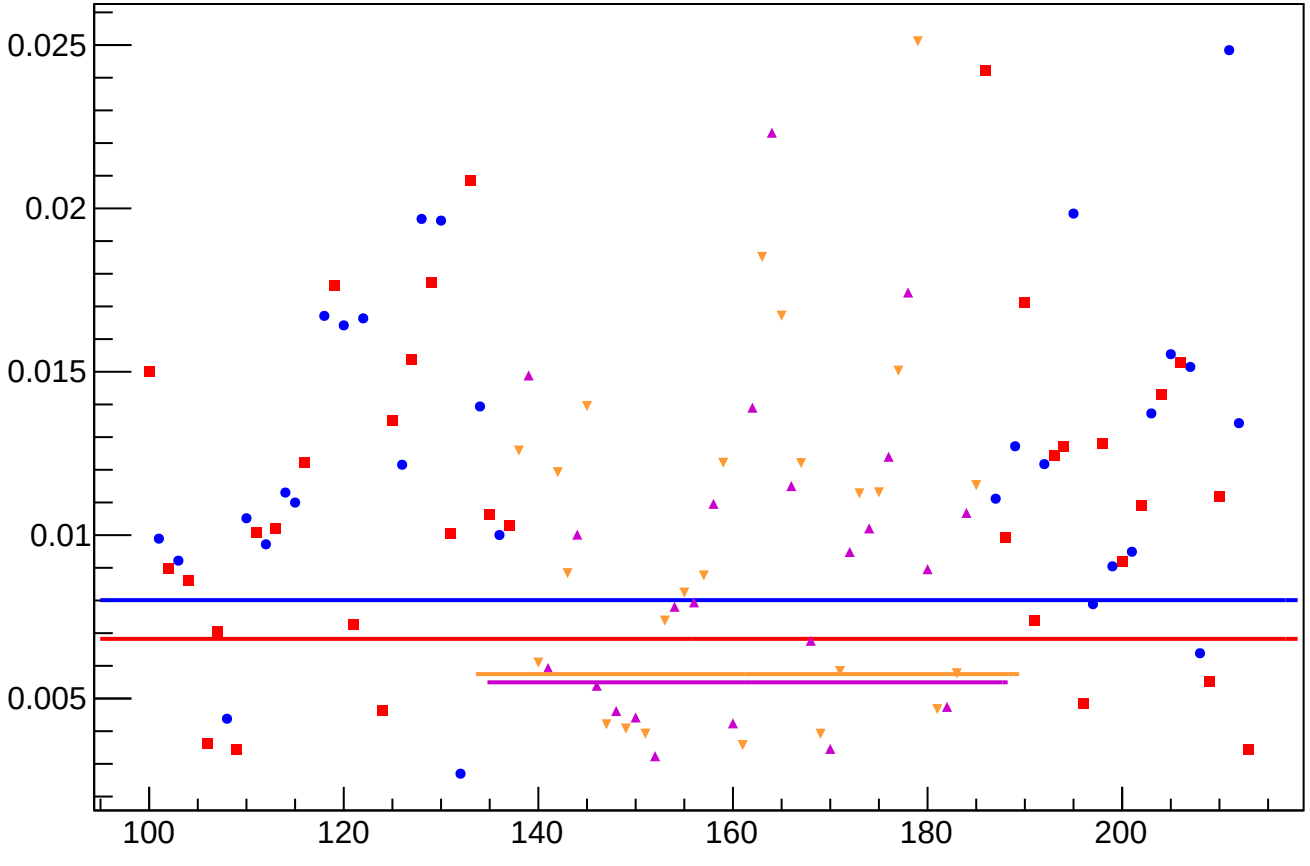
Right: -0.000+/-0.000 χ^2/NDF: 66.4/62

In: 0.000+/-0.000 χ^2/NDF:58.3/51

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 145.7/110

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8483072.5/28

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

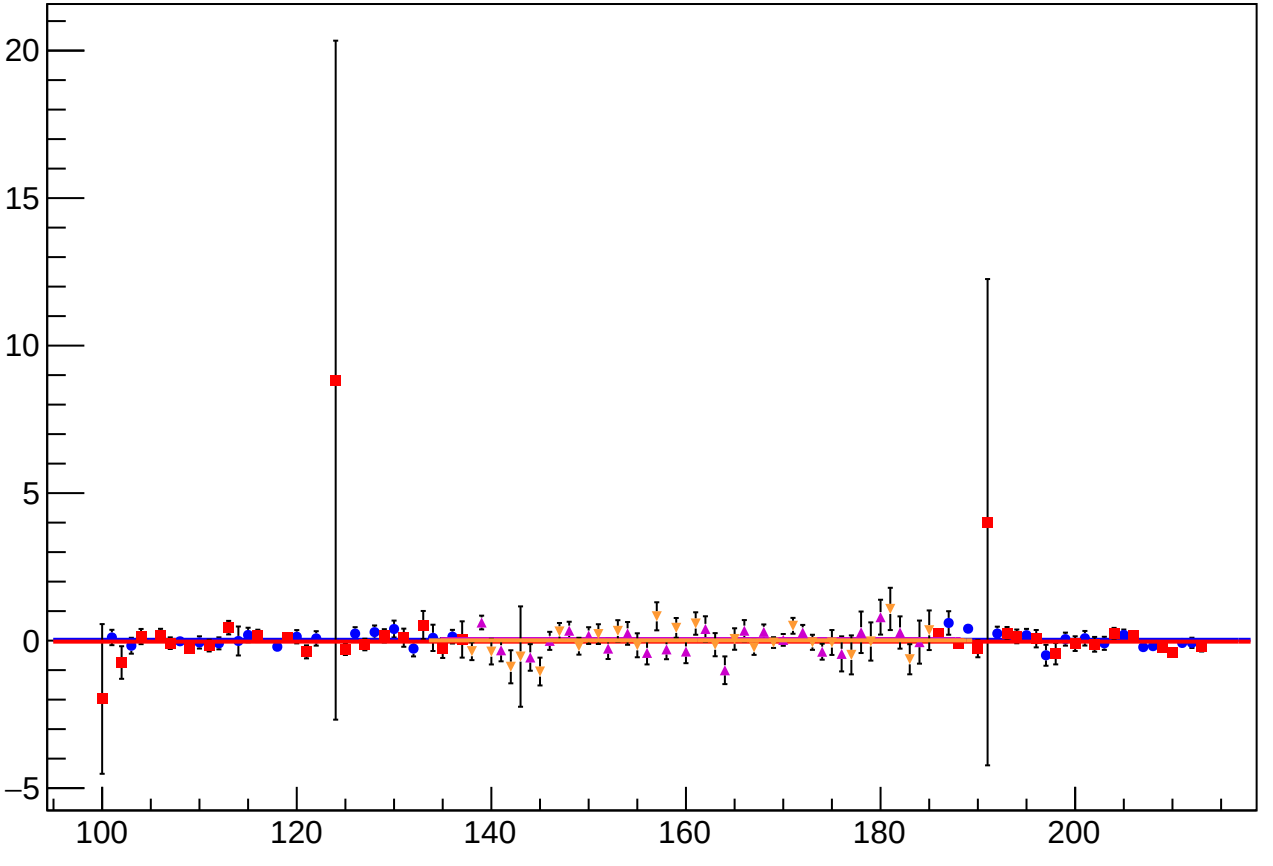
Right: 0.007+/-0.000 χ^2/NDF: 17452293.1/62

In: 0.006+/-0.000 χ^2/NDF:17127801.3/51

Out: 0.006+/-0.000 χ^2/NDF:17173359.8/58

All: 0.006+/-0.000 χ^2/NDF: 34307175.0/110

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.040 χ^2/NDF: 27.6/28

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

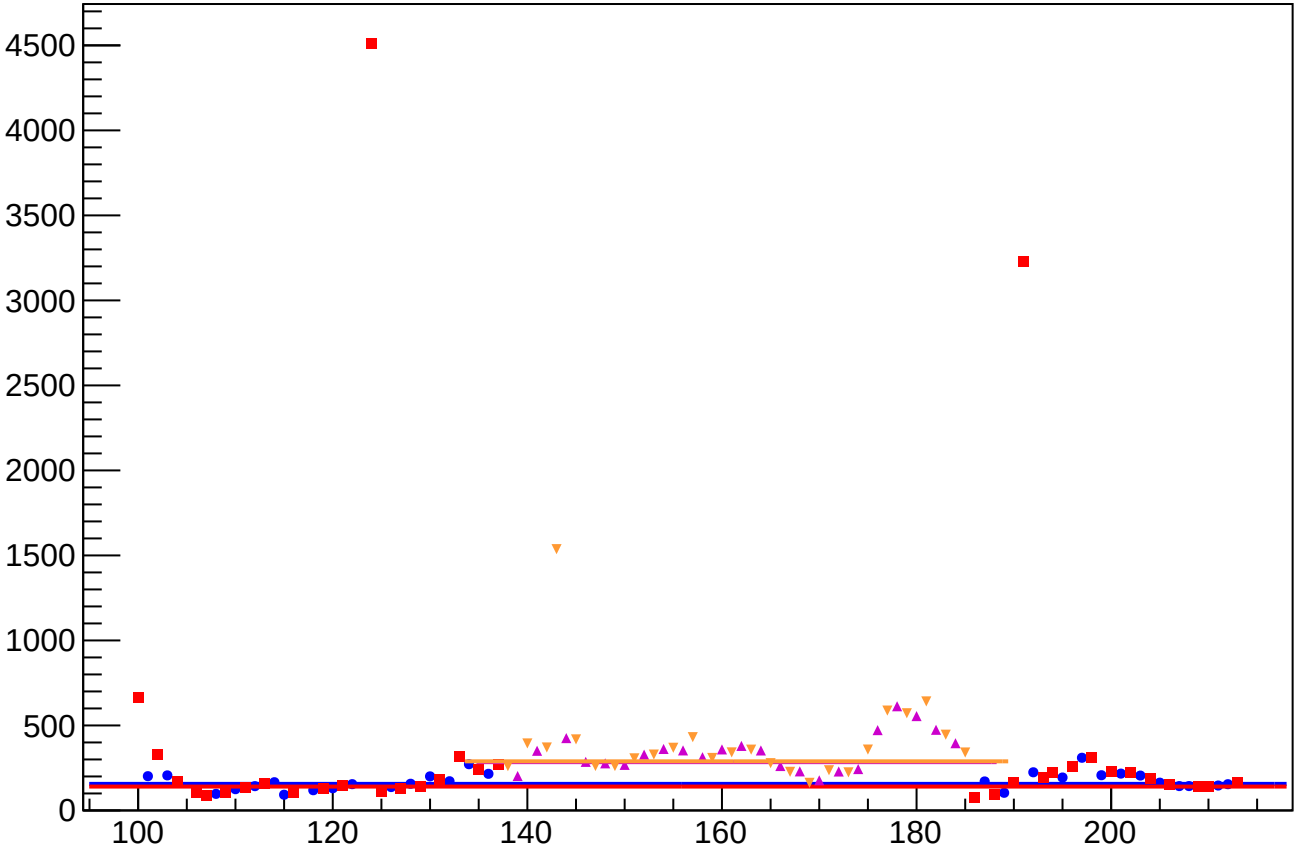
Right: -0.006+/-0.027 χ^2/NDF: 69.7/62

In: 0.034+/-0.035 χ^2/NDF:55.4/51

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.002+/-0.023 χ^2/NDF: 127.0/110

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.312+/-0.028 χ^2/NDF: 2259840.6/28

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

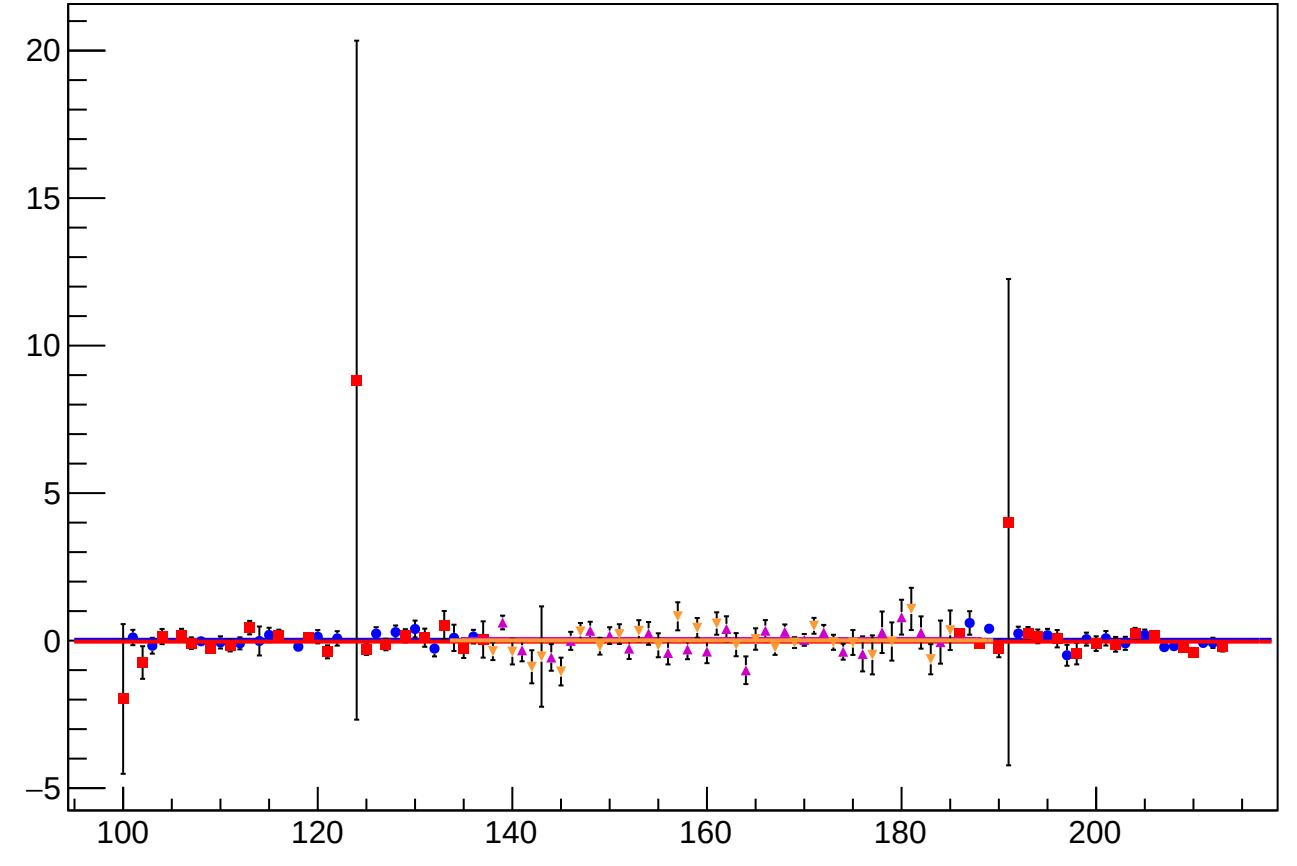
Right: 147.600+/-0.019 χ^2/NDF: 7156097.7/62

In: 187.023+/-0.024 χ^2/NDF:10349027.0/51

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 178.136+/-0.017 χ^2/NDF: 26933313.2/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.040 χ^2/NDF: 27.6/28

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

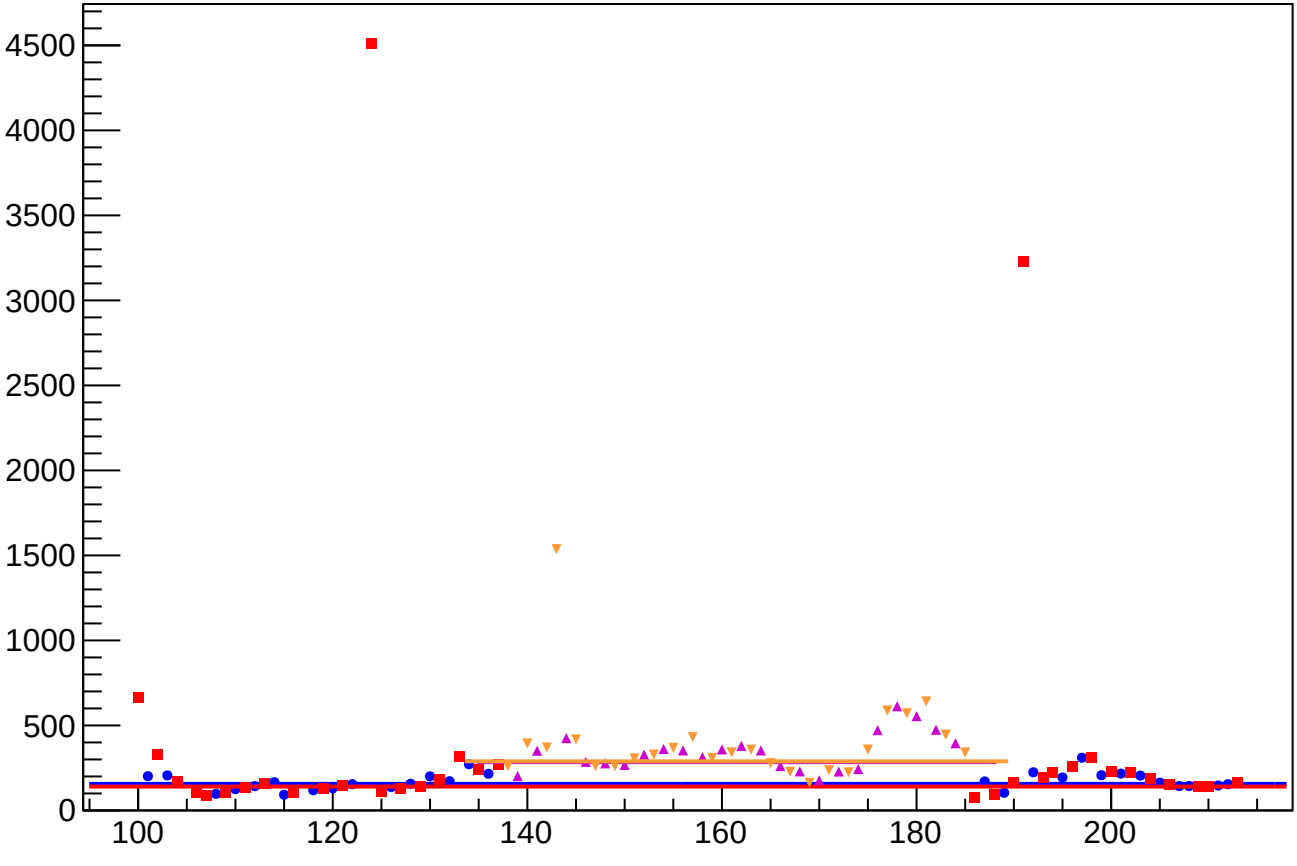
Right: -0.006+/-0.027 χ^2/NDF: 69.7/62

In: 0.034+/-0.035 χ^2/NDF:55.4/51

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.002+/-0.023 χ^2/NDF: 127.0/110

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.312+/-0.028 χ^2/NDF: 2259840.6/28

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

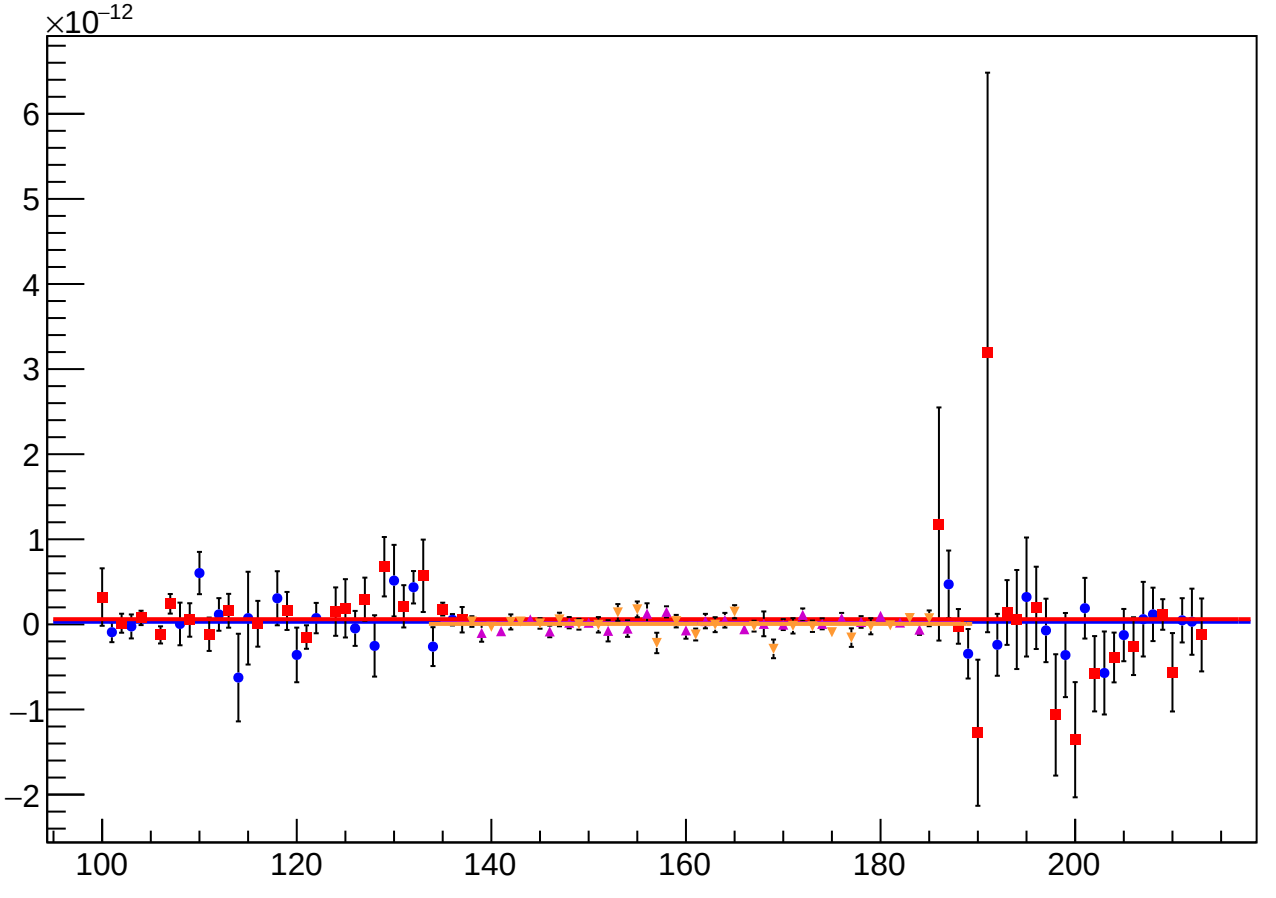
Right: 147.600+/-0.019 χ^2/NDF: 7156097.7/62

In: 187.023+/-0.024 χ^2/NDF:10349027.0/51

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 178.136+/-0.017 χ^2/NDF: 26933313.2/11

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: 25.5/28

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

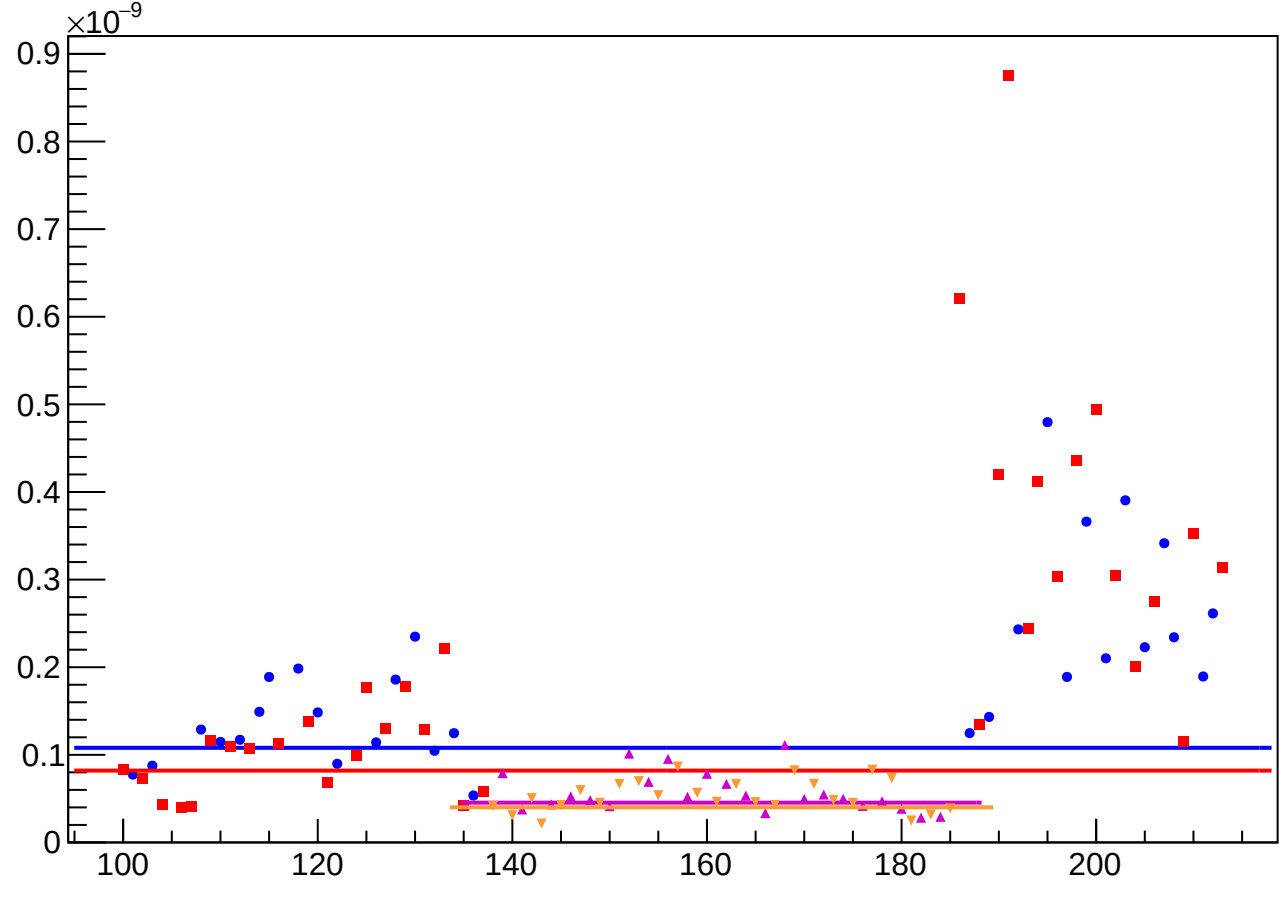
Right: 0.000+/-0.000 χ^2/NDF: 63.1/62

In: 0.000+/-0.000 χ^2/NDF:48.8/51

Out: 0.000+/-0.000 χ^2/NDF:74.0/58

All: 0.000+/-0.000 χ^2/NDF: 122.9/110

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: 6105920.3/28

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

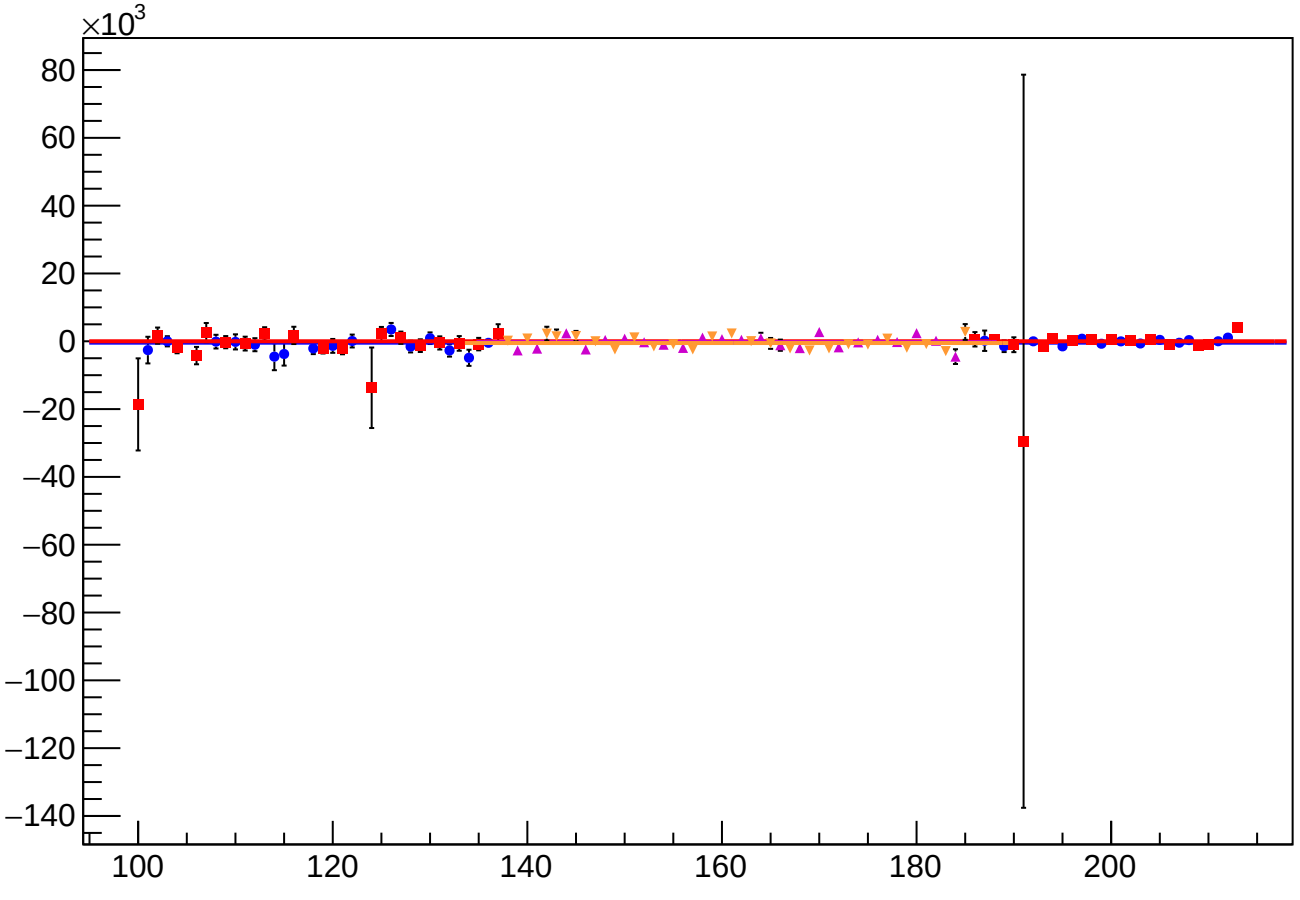
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15621944.6/62

In: 0.000+/-0.000 χ^2/NDF:13404287.9/51

Out: 0.000+/-0.000 χ^2/NDF:15559745.2/58

All: 0.000+/-0.000 χ^2/NDF: 29266563.5/110



Right In: -408.326+/-307.189 χ^2/NDF: 17.9/28

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

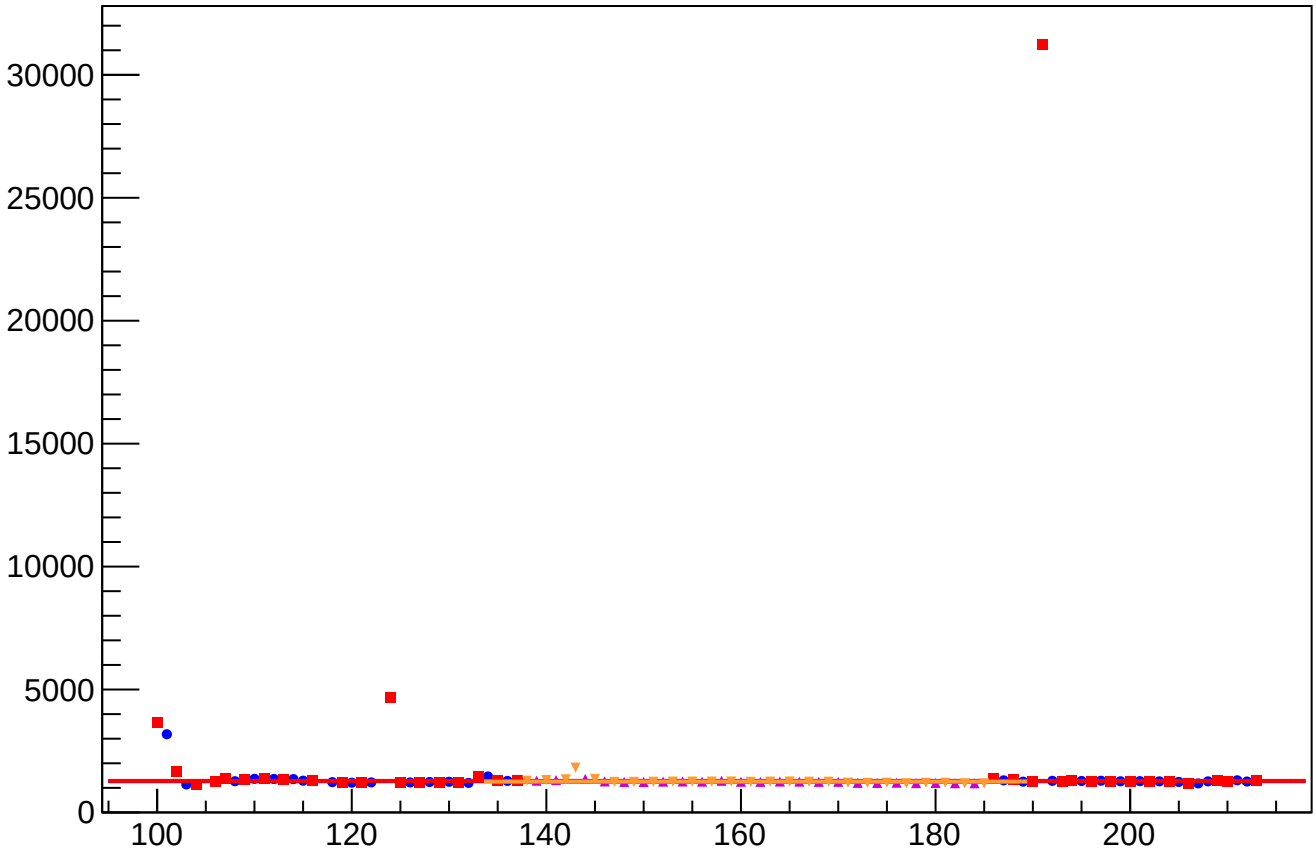
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -196.520+/-214.359 χ^2/NDF: 48.7/62

In: -321.074+/-211.323 χ^2/NDF:50.1/51

Out: -266.799+/-206.742 χ^2/NDF:62.3/58

All: -293.341+/-147.782 χ^2/NDF: 112.5/110



Right In: 1272.442+/-0.217 χ^2/NDF: 533683.3/28

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

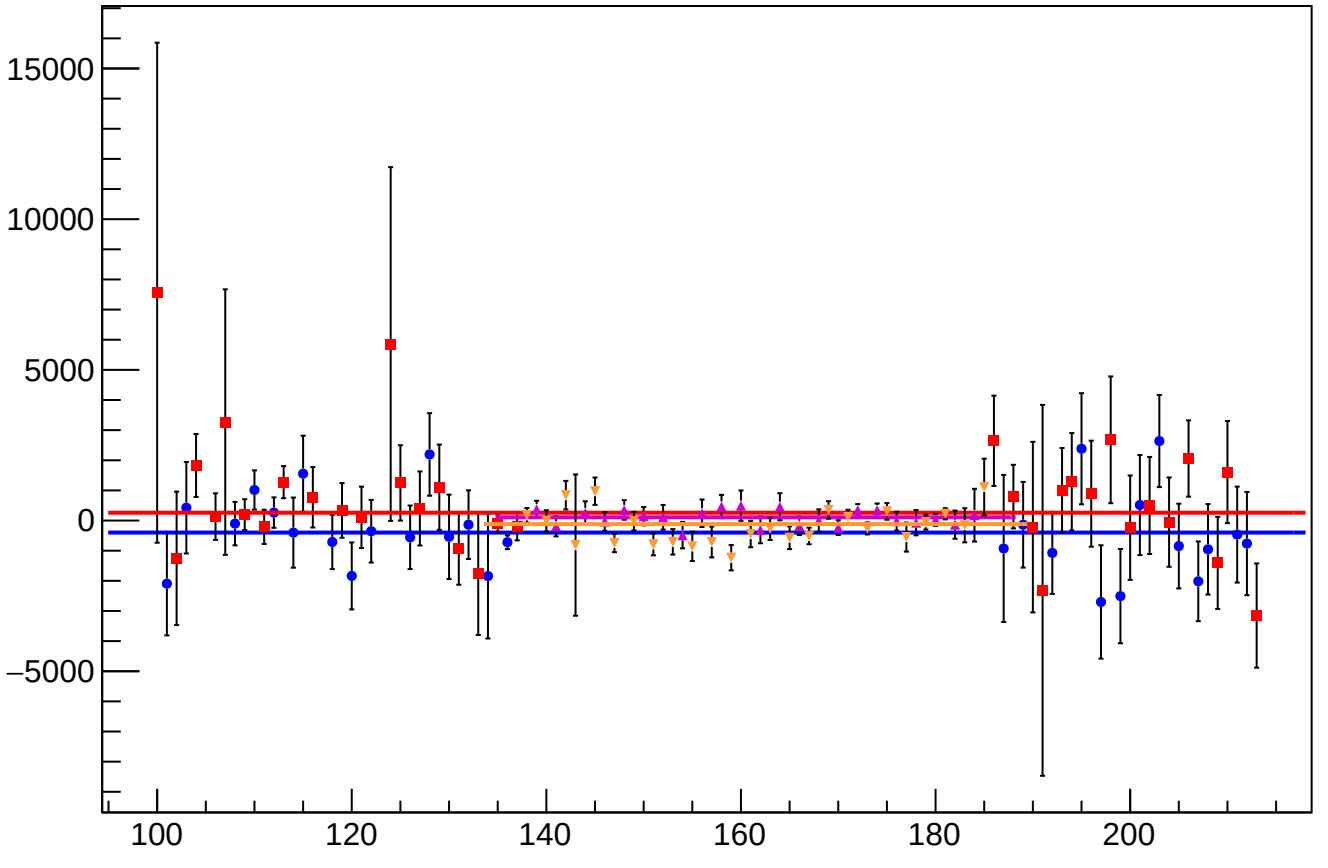
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.293+/-0.152 χ^2/NDF: 1042757.0/62

In: 1258.700+/-0.149 χ^2/NDF:581138.3/51

Out: 1269.035+/-0.146 χ^2/NDF:720154.2/58

All: 1263.981+/-0.104 χ^2/NDF: 1303736.9/11



Right In: -398.755+/-156.979 χ^2/NDF: 30.1/28

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

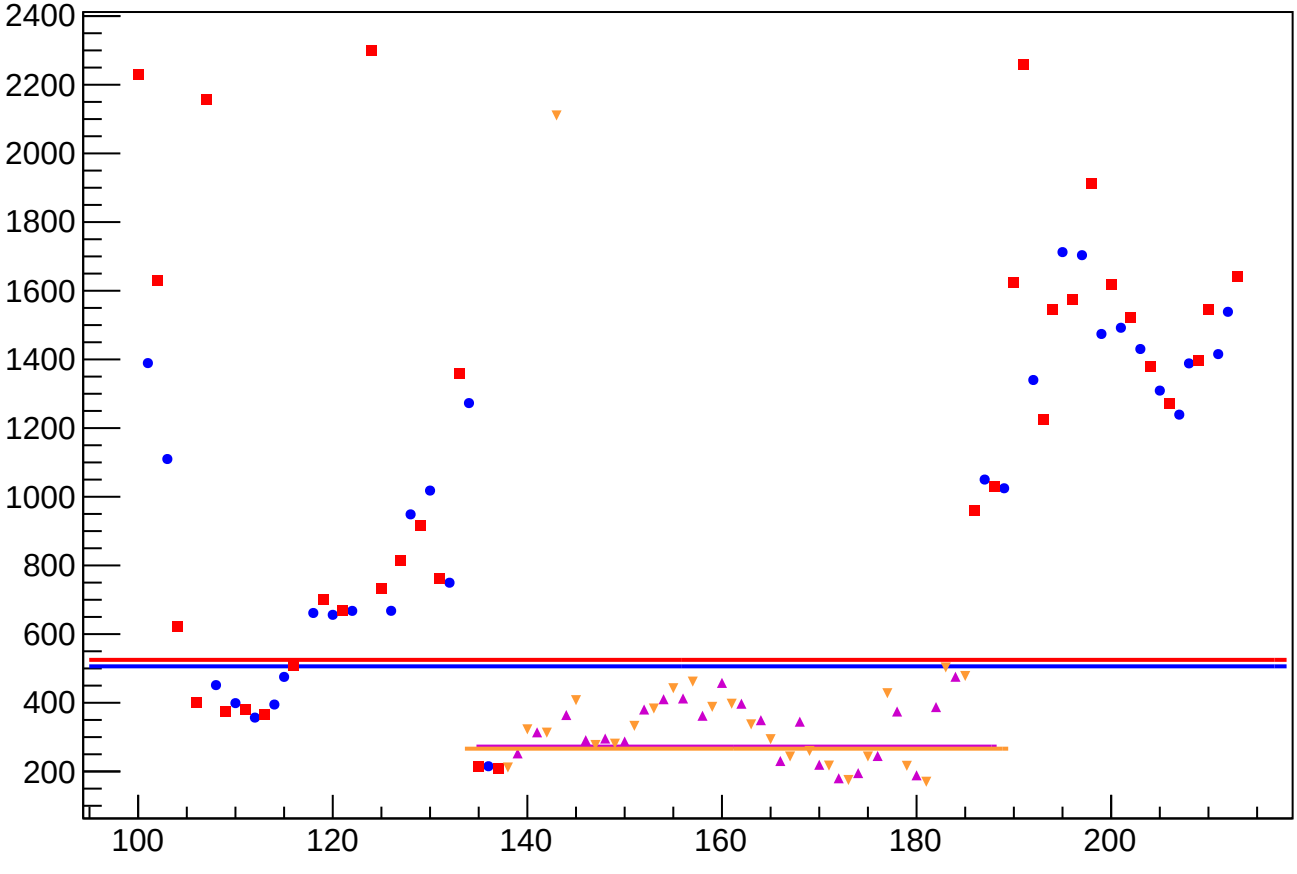
Right: -69.328+/-110.973 χ^2/NDF: 66.8/62

In: 29.353+/-61.623 χ^2/NDF:52.7/51

Out: -61.748+/-60.097 χ^2/NDF:81.2/58

All: -17.339+/-43.024 χ^2/NDF: 135.0/110

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 506.128+/-0.111 χ^2/NDF: 13693365.2/28

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

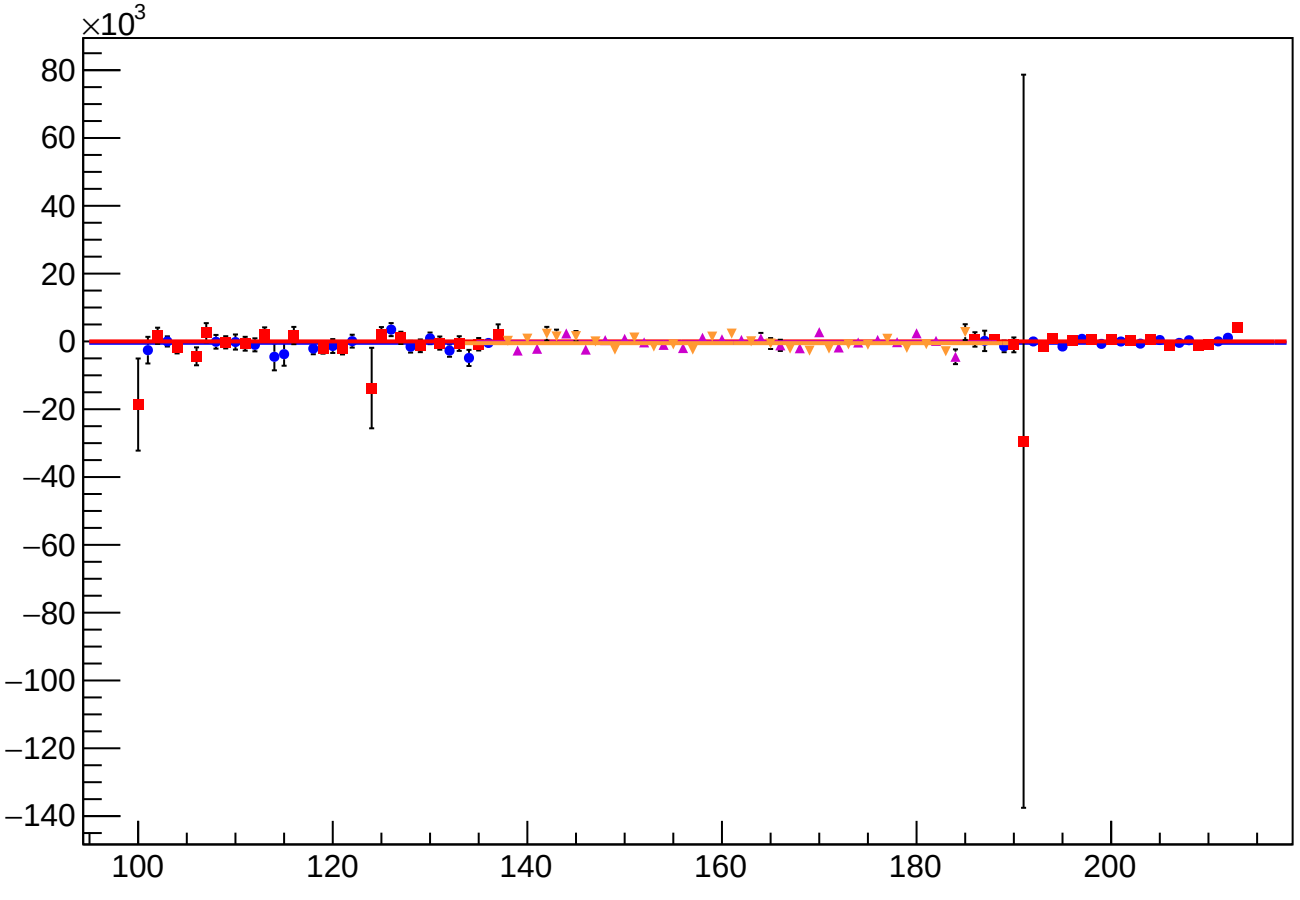
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 515.569+/-0.078 χ^2/NDF: 28259417.5/62

In: 308.390+/-0.044 χ^2/NDF:20332717.5/51

Out: 304.272+/-0.042 χ^2/NDF:23820539.9/58

All: 306.279+/-0.030 χ^2/NDF: 44157834.7/11



Right In: -408.178+/-307.189 χ^2/NDF: 17.9/28

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

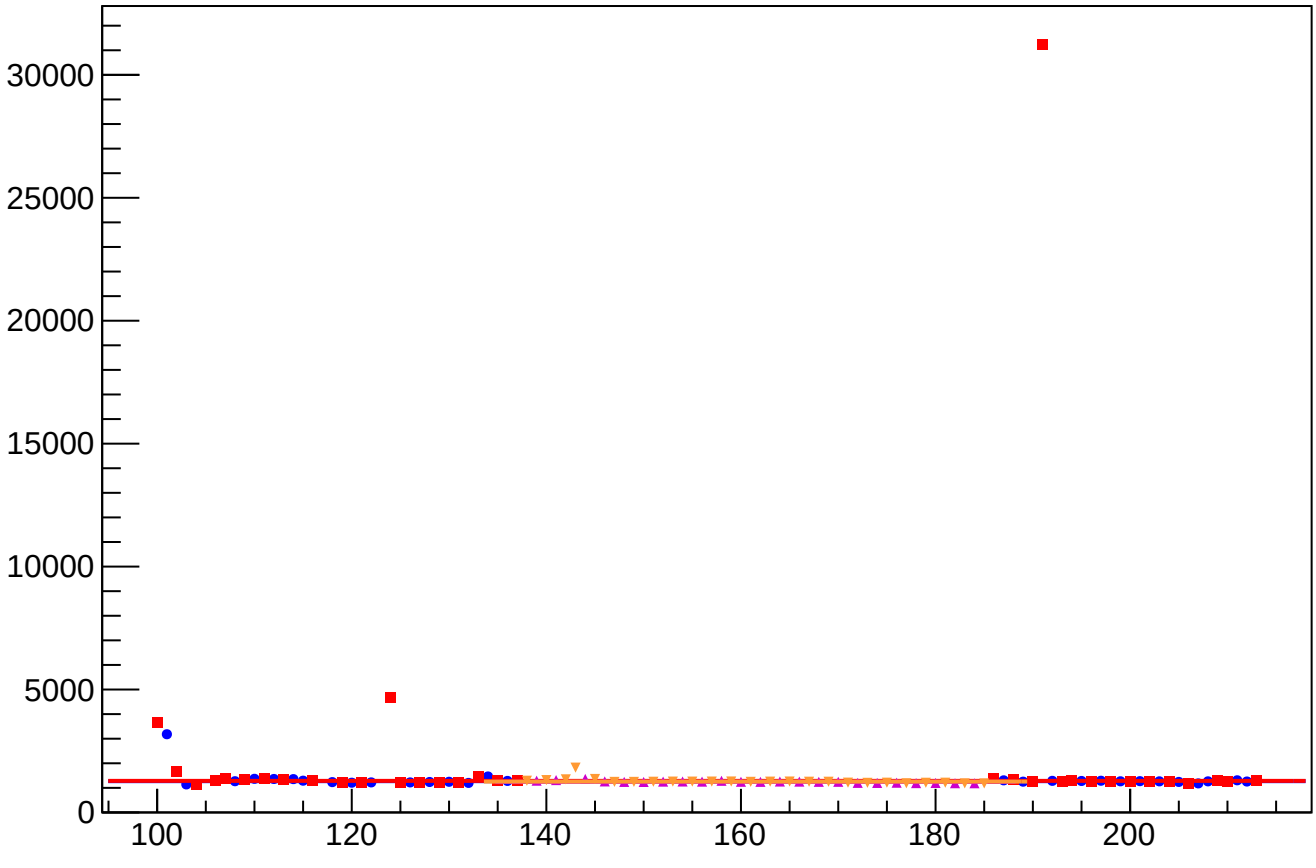
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -195.878+/-214.404 χ^2/NDF: 48.7/62

In: -320.992+/-211.323 χ^2/NDF:50.1/51

Out: -266.268+/-206.782 χ^2/NDF:62.3/58

All: -293.035+/-147.796 χ^2/NDF: 112.5/110



Right In: 1272.442+/-0.217 χ^2/NDF: 533684.7/28

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

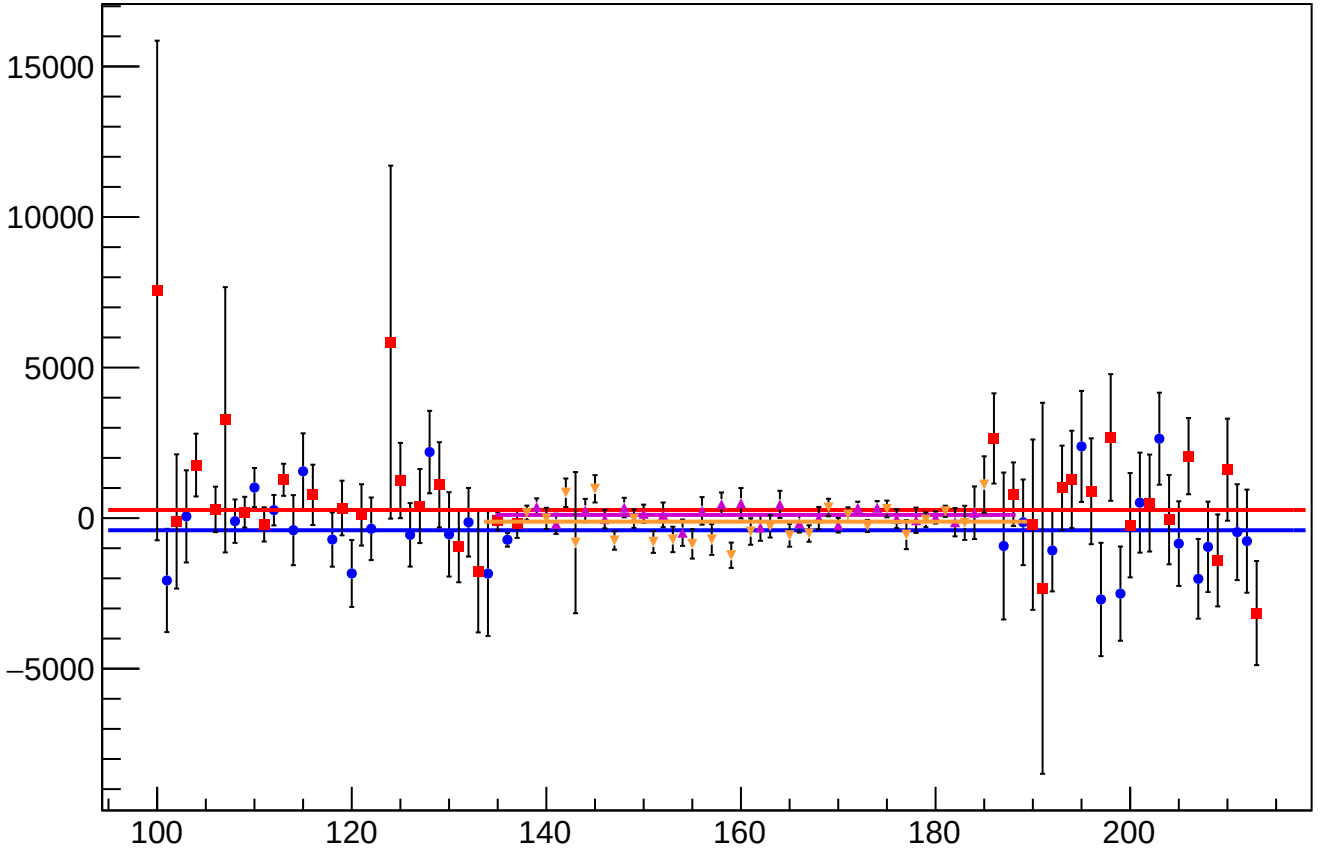
Right: 1278.568+/-0.152 χ^2/NDF: 1042872.2/62

In: 1258.700+/-0.149 χ^2/NDF:581139.7/51

Out: 1269.287+/-0.146 χ^2/NDF:720487.9/58

All: 1264.109+/-0.105 χ^2/NDF: 1304192.0/11

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -402.644+/-156.995 χ^2/NDF: 29.9/28

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

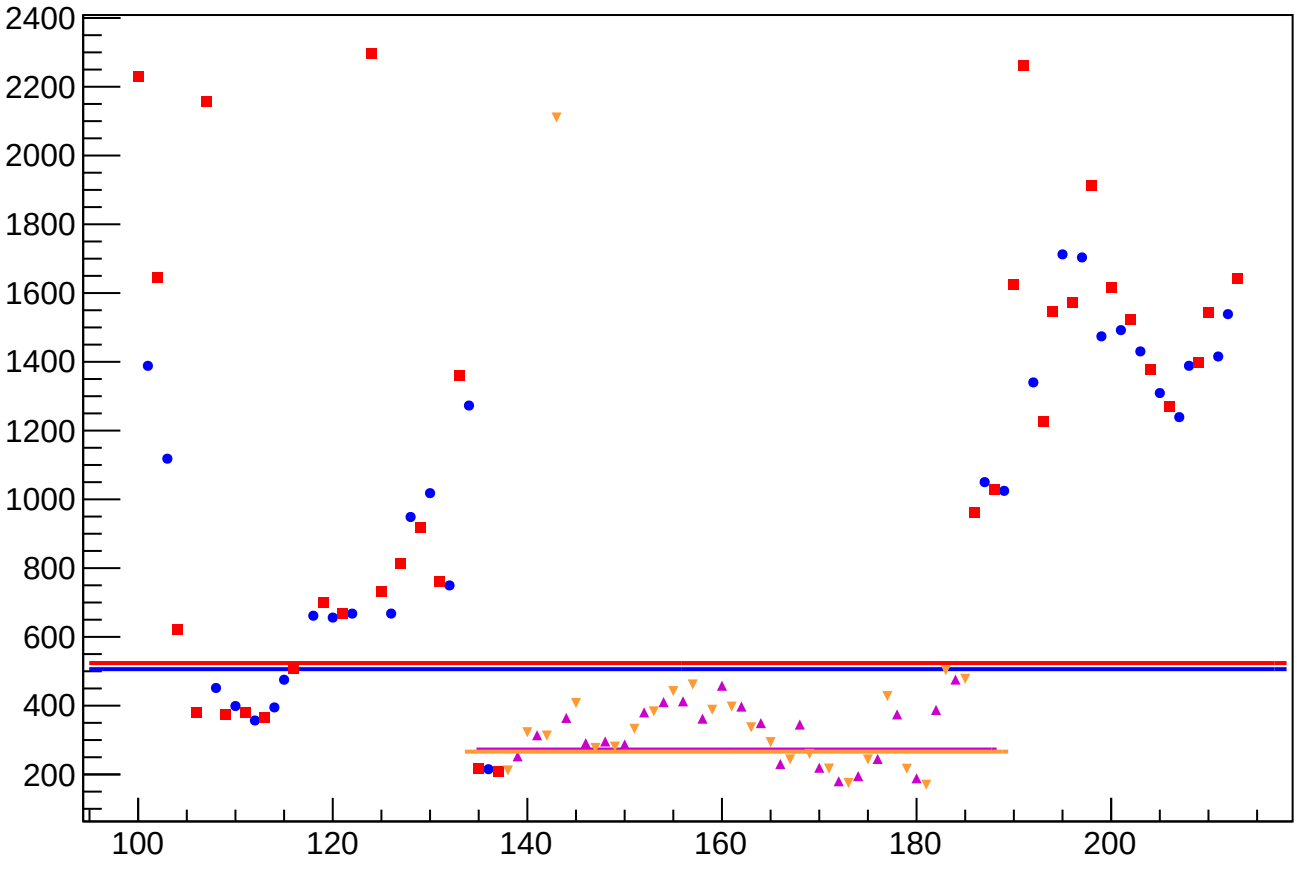
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

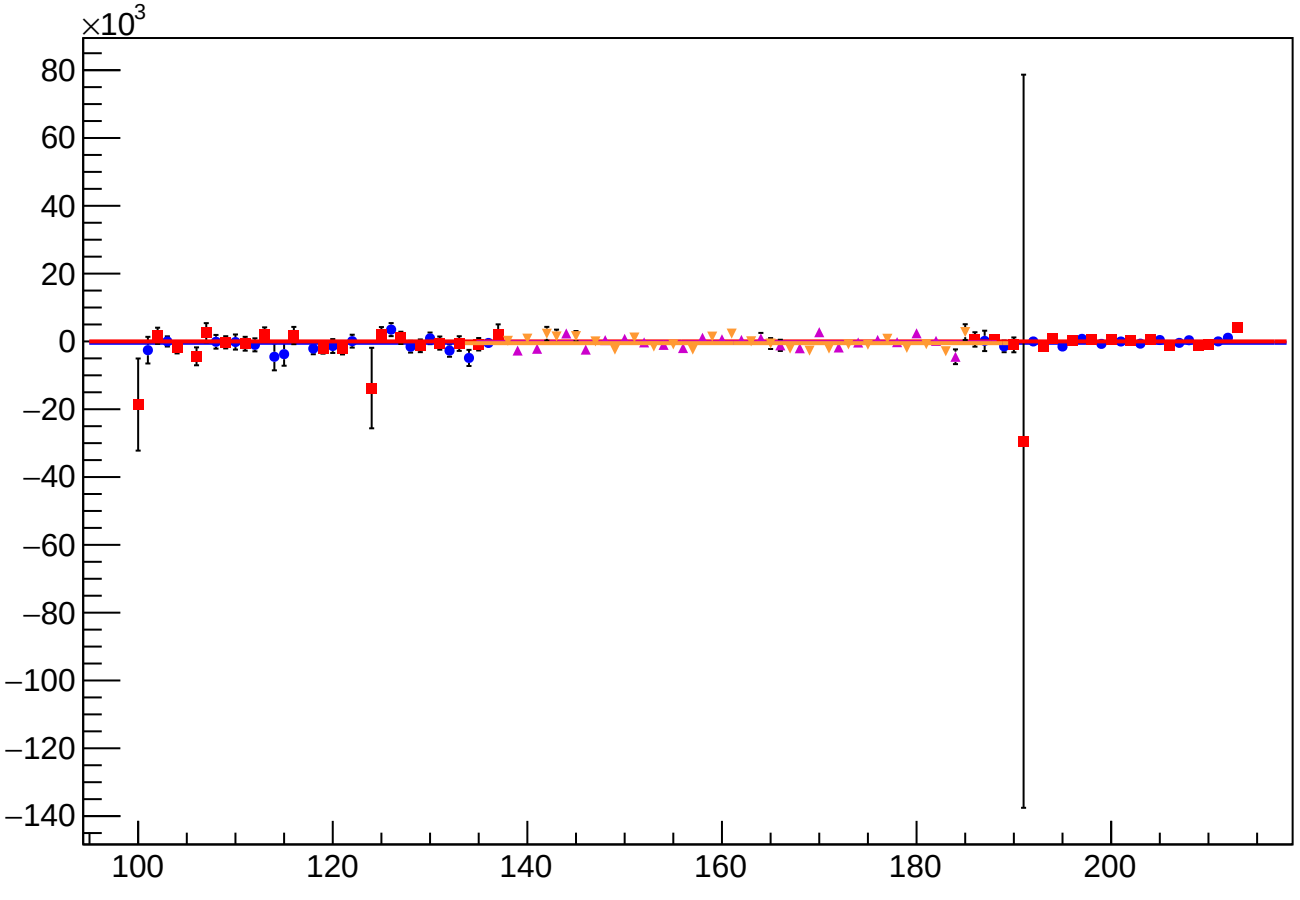
Right: -65.316+/-110.923 χ^2/NDF: 66.3/62

In: 28.863+/-61.625 χ^2/NDF:52.6/51

Out: -59.989+/-60.090 χ^2/NDF:80.9/58

All: -16.684+/-43.022 χ^2/NDF: 134.5/110


asym_atl1r2_dd_atl2r1_dd_avg_cor_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: 506.147+/-0.111 χ²/NDF: 13696399.9/28
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 523.914+/-0.111 χ²/NDF: 14579020.0/33
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
Left: 269.263+/-0.033 χ²/NDF: 7526161.0/47
Right: 515.044+/-0.078 χ²/NDF: 28288248.0/62
In: 308.397+/-0.044 χ²/NDF:20335133.4/51
Out: 304.183+/-0.042 χ²/NDF:23816701.5/58
All: 306.237+/-0.030 χ²/NDF: 44156627.3/1



Right In: -408.178+/-307.189 χ^2/NDF: 17.9/28

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

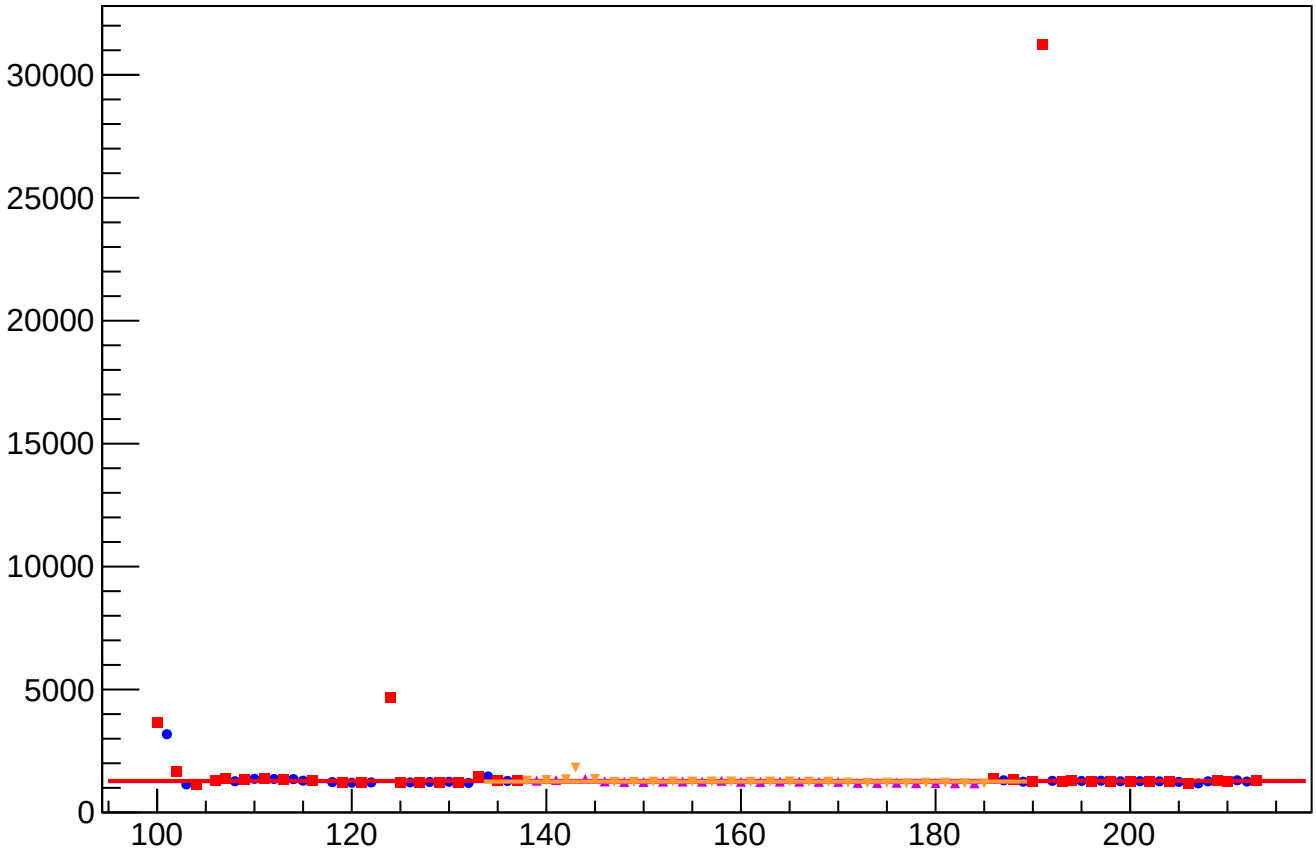
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -195.878+/-214.404 χ^2/NDF: 48.7/62

In: -320.992+/-211.323 χ^2/NDF:50.1/51

Out: -266.268+/-206.782 χ^2/NDF:62.3/58

All: -293.035+/-147.796 χ^2/NDF: 112.5/110



Right In: 1272.442+/-0.217 χ^2/NDF: 533684.7/28

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

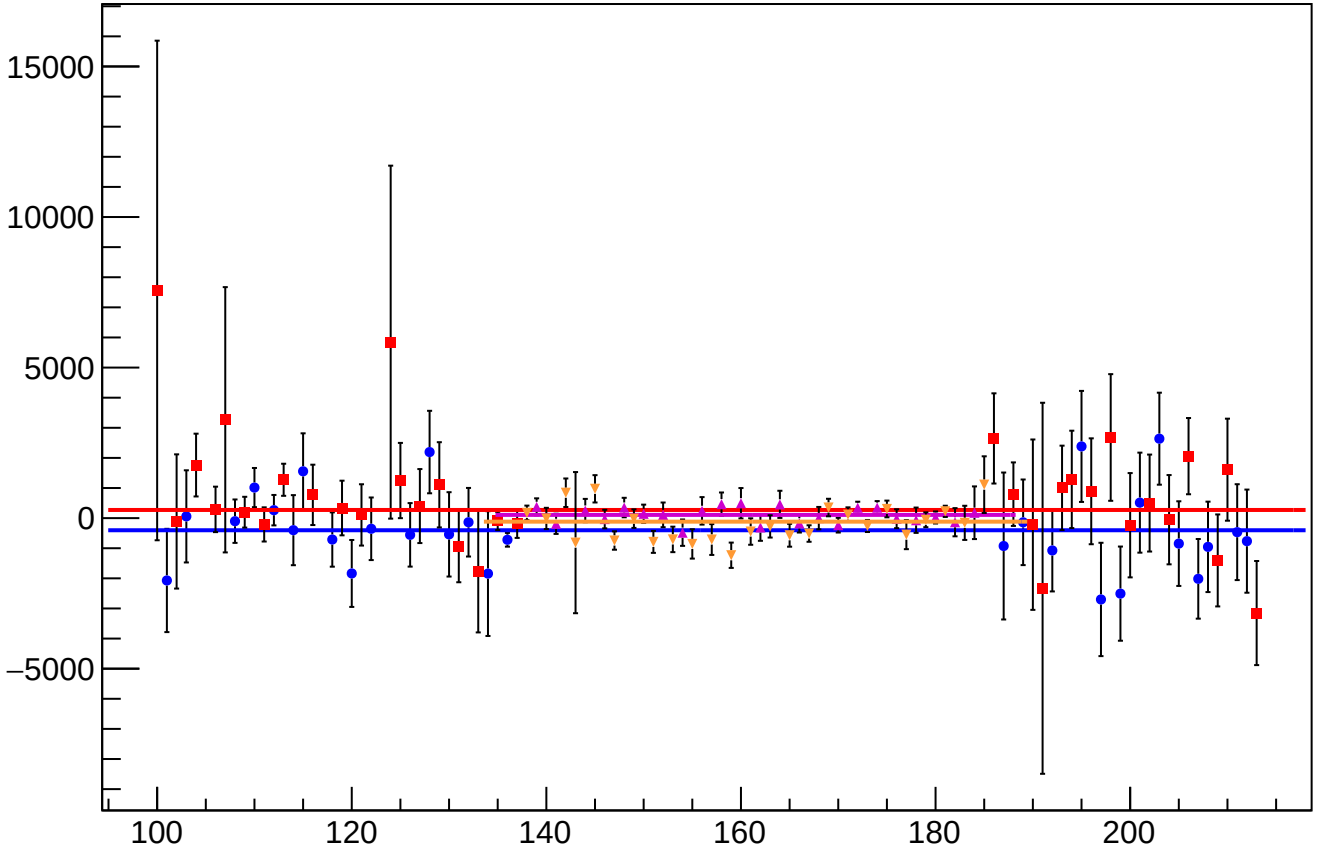
Right: 1278.568+/-0.152 χ^2/NDF: 1042872.2/62

In: 1258.700+/-0.149 χ^2/NDF:581139.7/51

Out: 1269.287+/-0.146 χ^2/NDF:720487.9/58

All: 1264.109+/-0.105 χ^2/NDF: 1304192.0/11

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -402.644+/-156.995 χ^2/NDF: 29.9/28

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

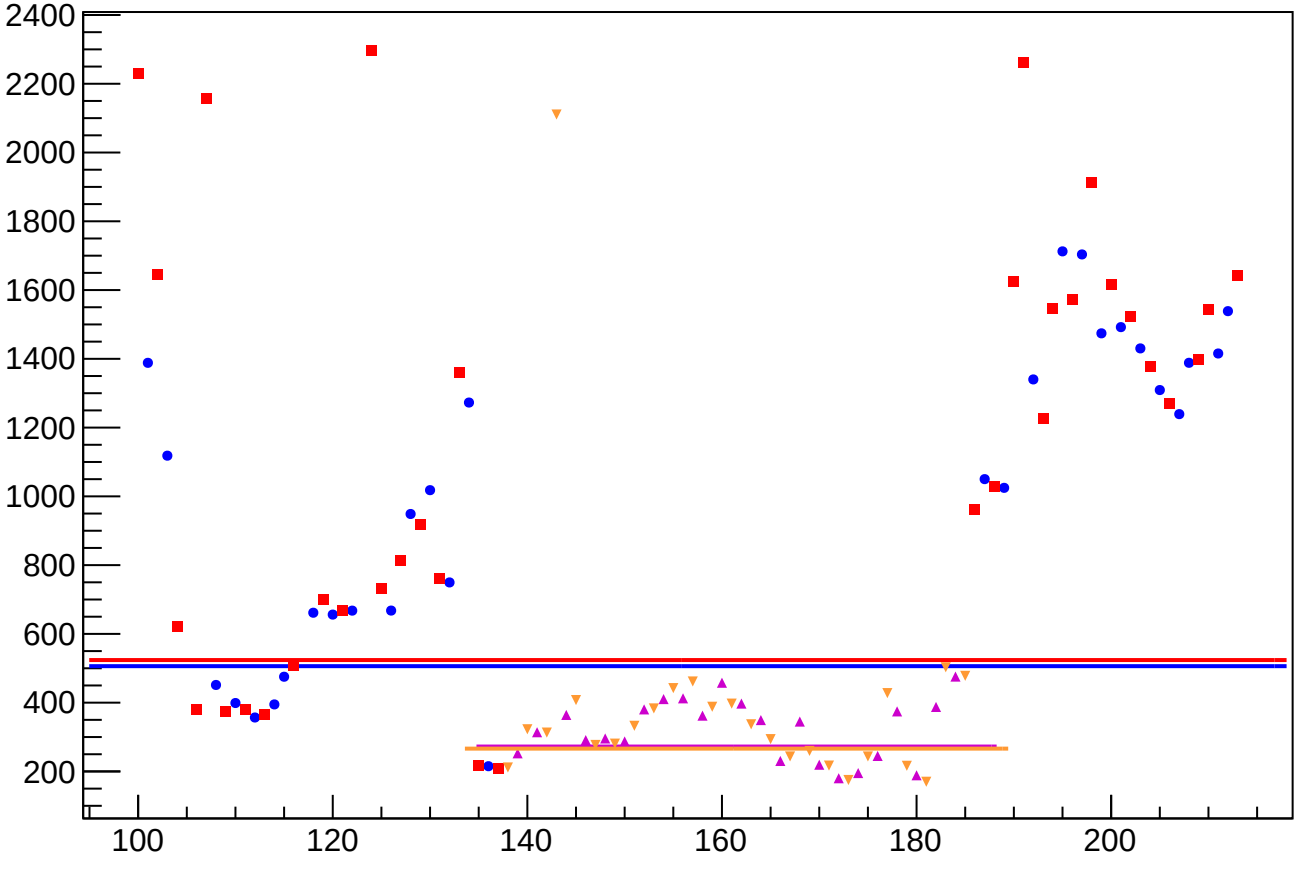
Right: -65.316+/-110.923 χ^2/NDF: 66.3/62

In: 28.863+/-61.625 χ^2/NDF:52.6/51

Out: -59.989+/-60.090 χ^2/NDF:80.9/58

All: -16.684+/-43.022 χ^2/NDF: 134.5/110

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 506.147+/-0.111 χ^2/NDF: 13696399.9/28

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

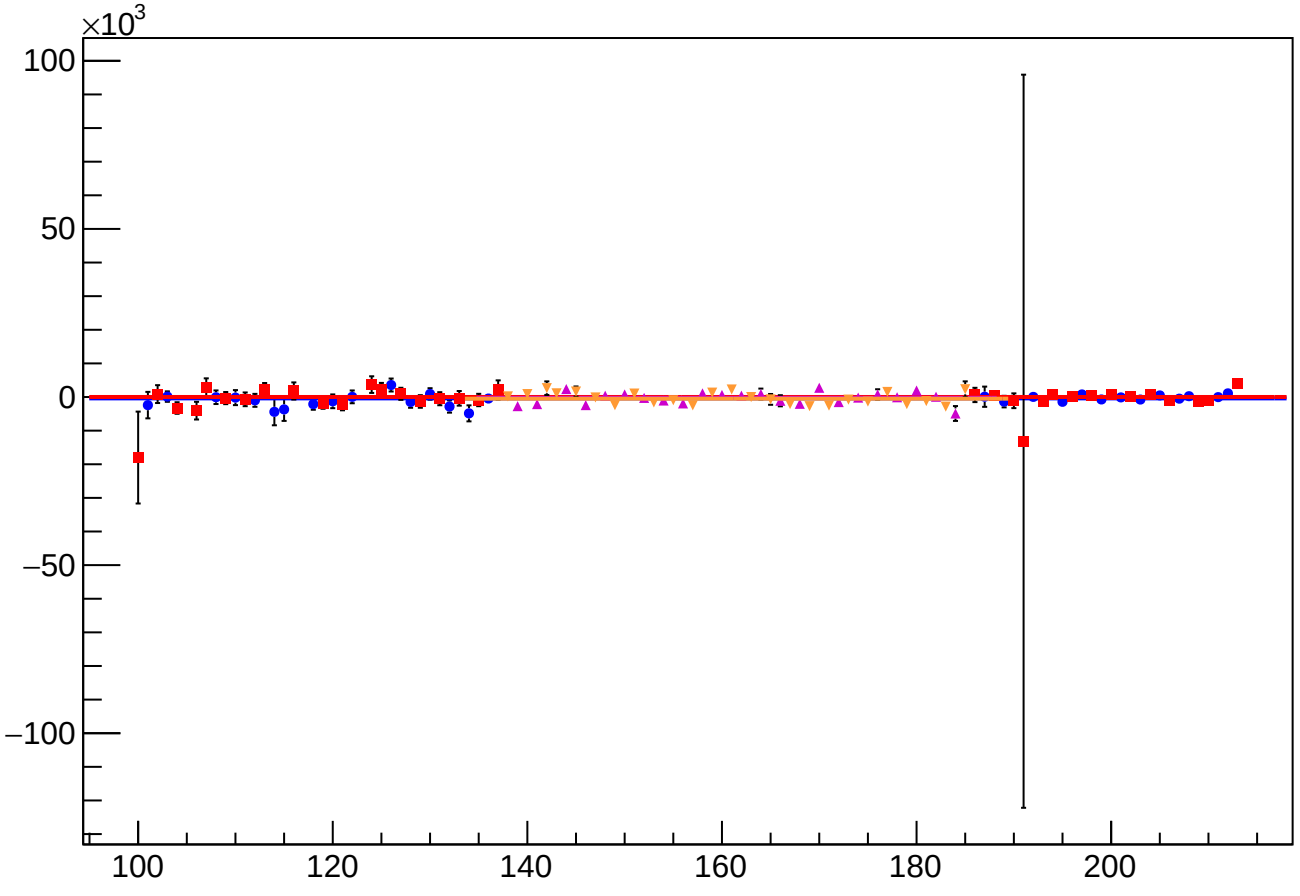
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 515.044+/-0.078 χ^2/NDF: 28288248.0/62

In: 308.397+/-0.044 χ^2/NDF:20335133.4/51

Out: 304.183+/-0.042 χ^2/NDF:23816701.5/58

All: 306.237+/-0.030 χ^2/NDF: 44156627.3/11



Right In: -403.388+/-308.068 χ^2/NDF: 17.9/28

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

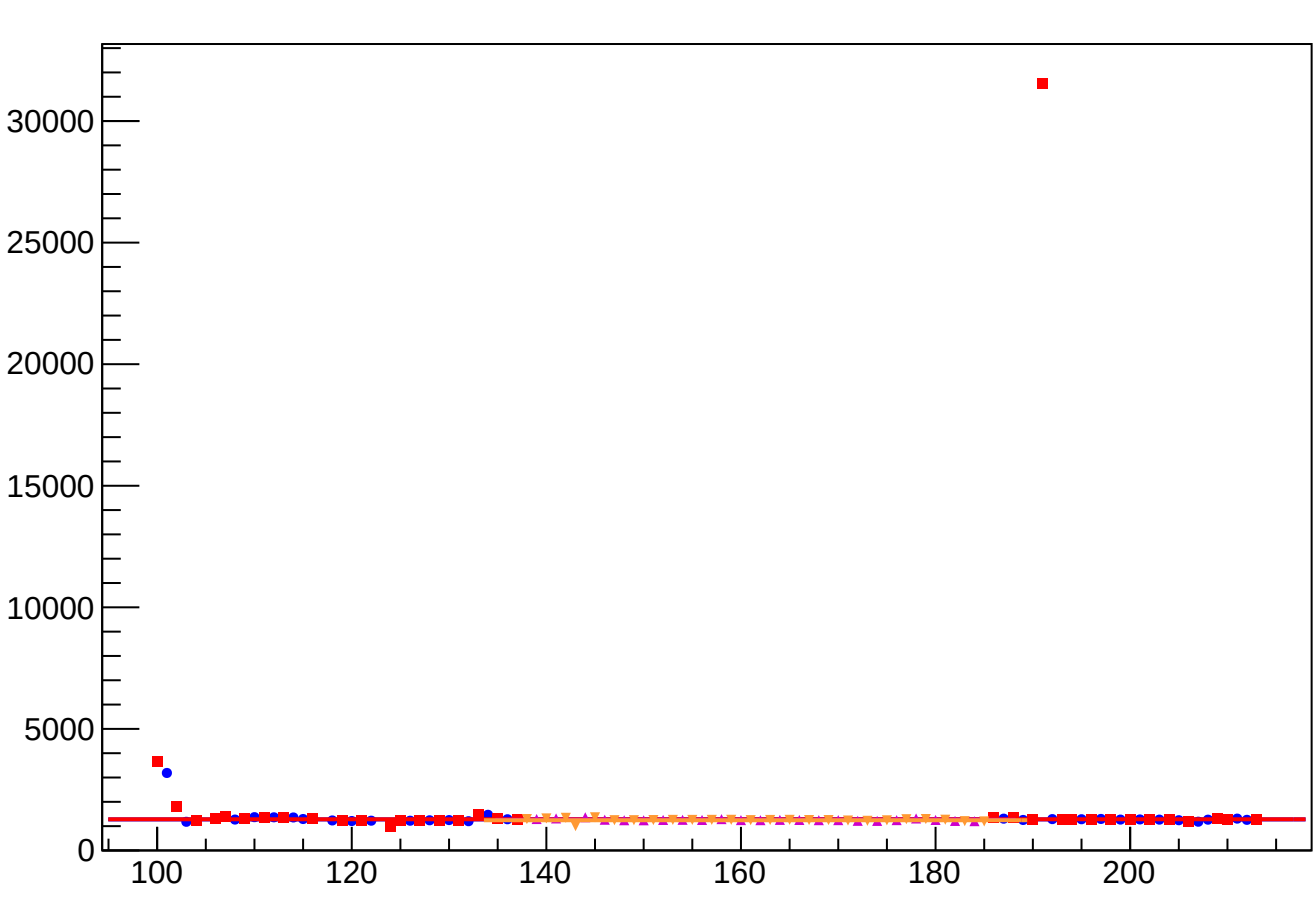
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -189.292+/-214.507 χ^2/NDF: 50.6/62

In: -319.020+/-212.817 χ^2/NDF:48.7/51

Out: -254.628+/-205.387 χ^2/NDF:67.5/58

All: -285.680+/-147.788 χ^2/NDF: 116.3/110



Right In: 1276.165+/-0.218 χ^2/NDF: 526367.5/28

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

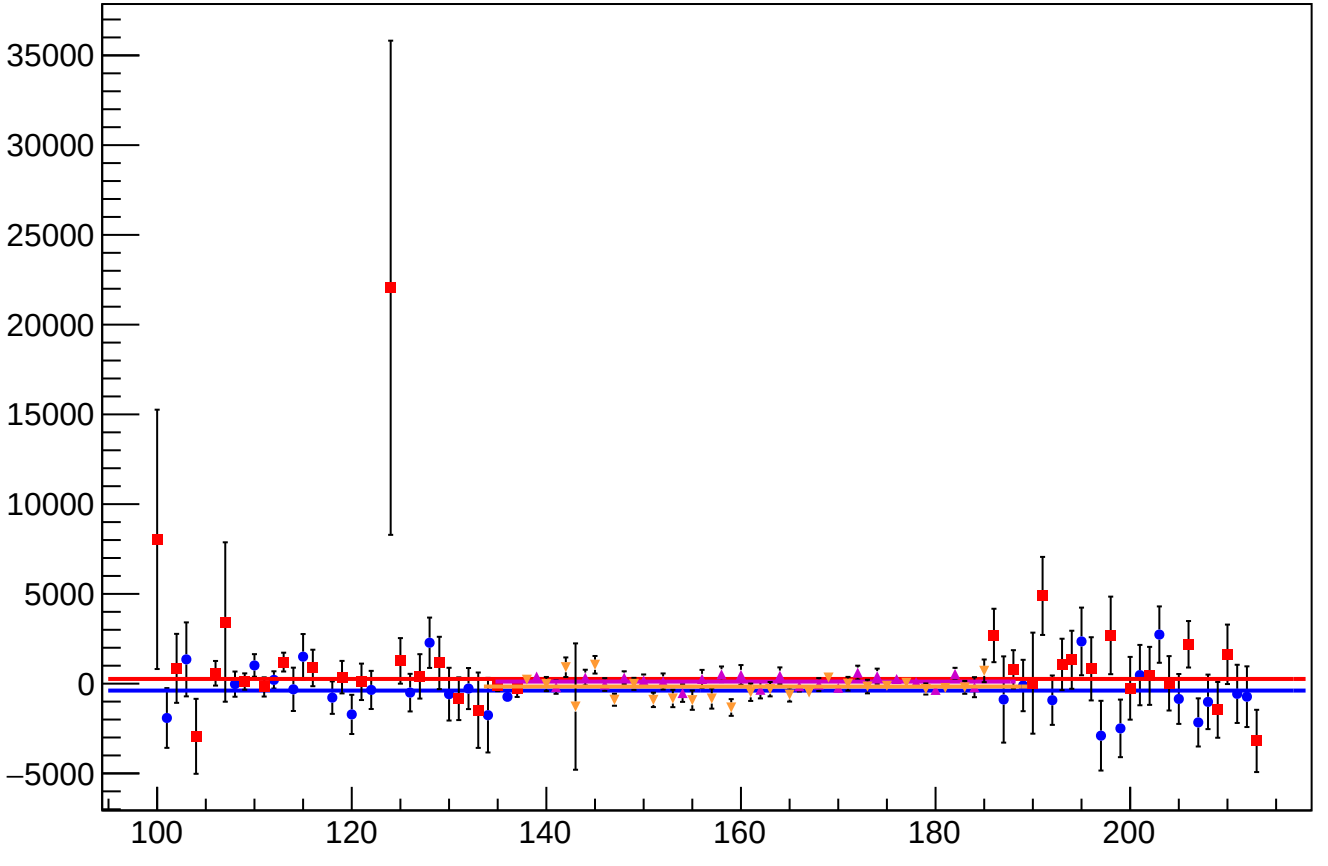
Right: 1279.266+/-0.152 χ^2/NDF: 914825.1/62

In: 1267.763+/-0.150 χ^2/NDF:557145.0/51

Out: 1261.263+/-0.145 χ^2/NDF:536659.6/58

All: 1264.398+/-0.105 χ^2/NDF: 1094770.4/11

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -386.016+/-158.637 χ^2/NDF: 30.5/28

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

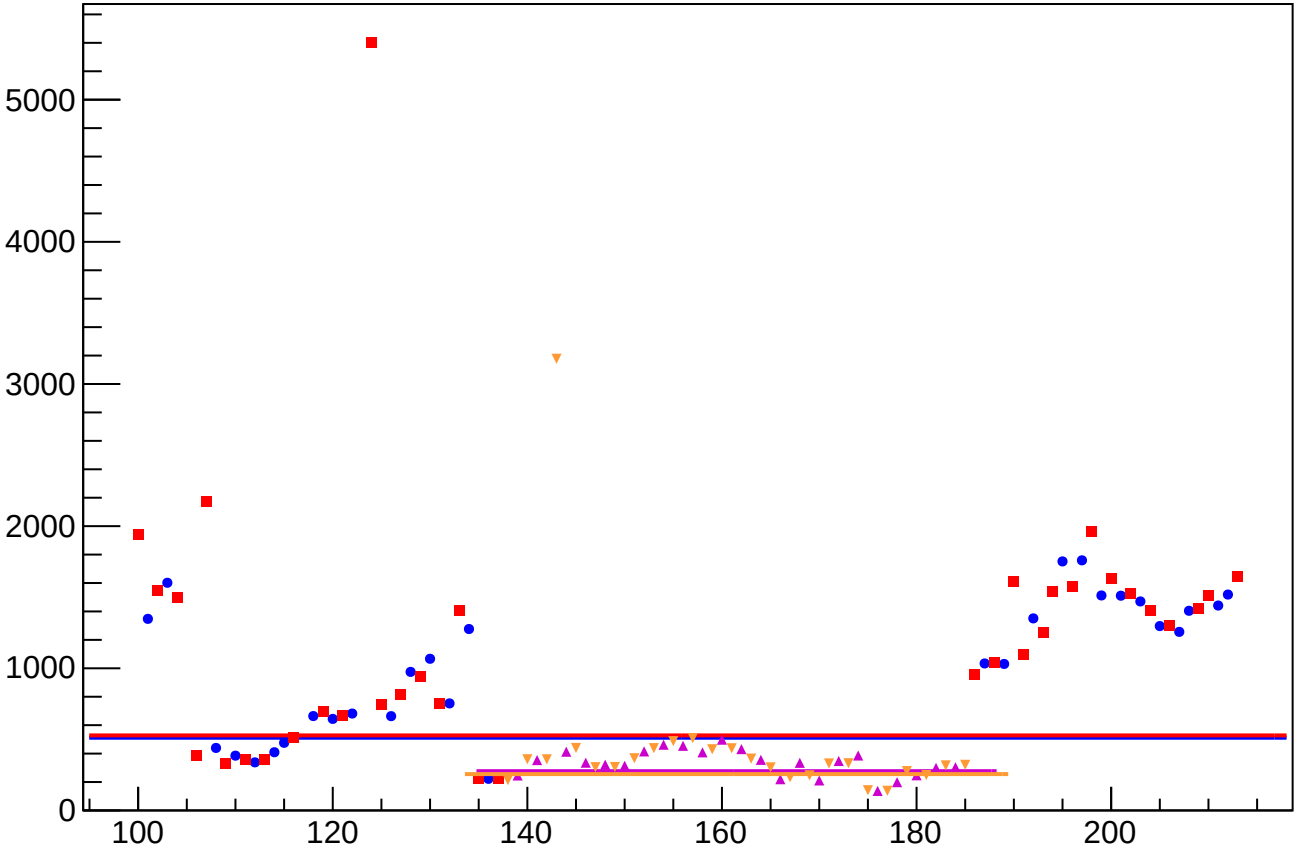
Right: -58.427+/-111.520 χ^2/NDF: 72.9/62

In: 34.528+/-63.151 χ^2/NDF:57.1/51

Out: -100.373+/-59.360 χ^2/NDF:84.0/58

All: -37.093+/-43.252 χ^2/NDF: 143.5/110

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 511.725+/-0.112 χ^2/NDF: 13833658.3/28

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

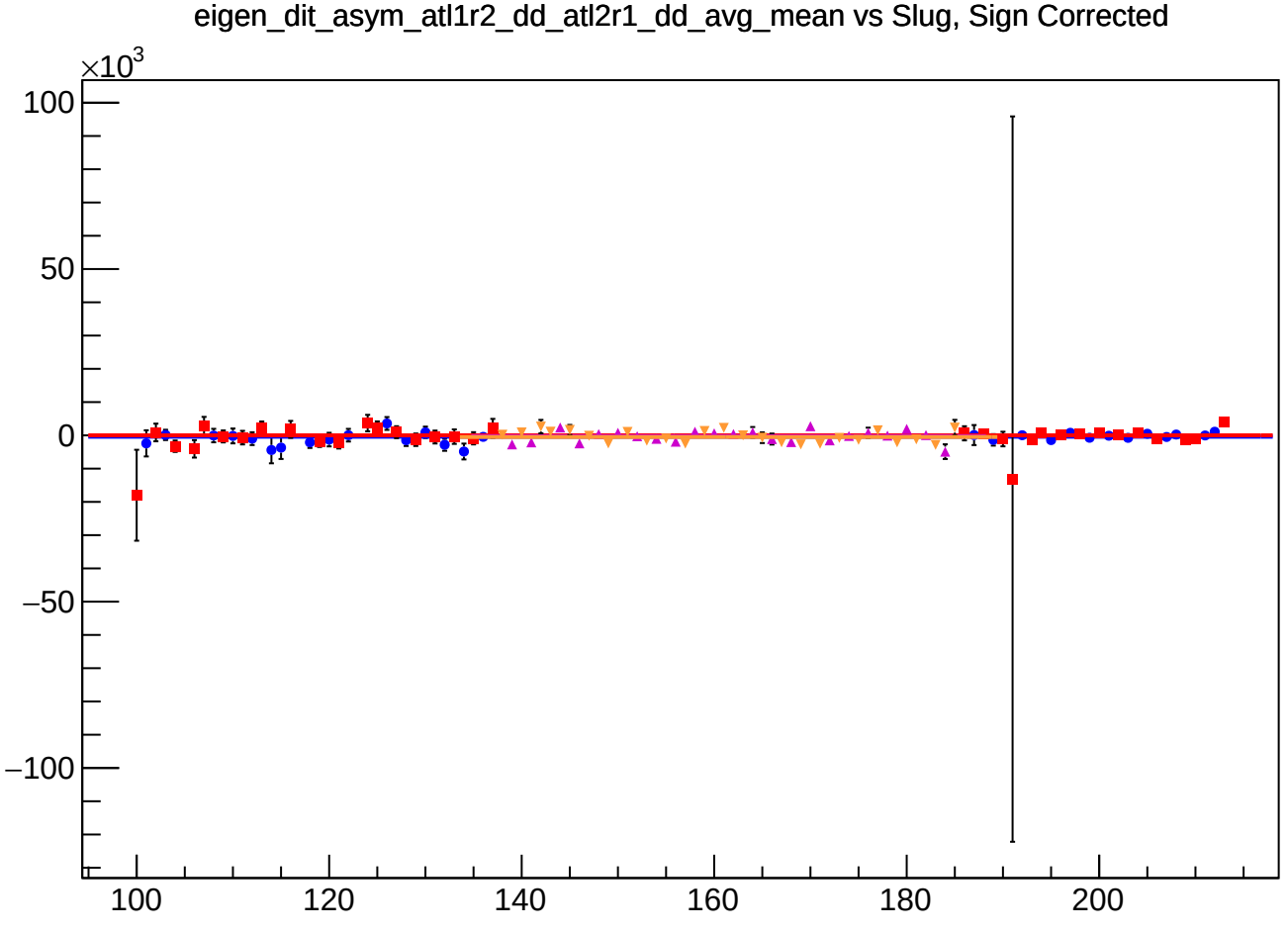
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 519.940+/-0.079 χ^2/NDF: 28932981.3/62

In: 313.607+/-0.045 χ^2/NDF:21567881.9/51

Out: 294.776+/-0.042 χ^2/NDF:26625735.2/58

All: 303.609+/-0.031 χ^2/NDF: 48288026.5/11



Right In: -403.387+/-308.068 χ^2/NDF: 17.9/28

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

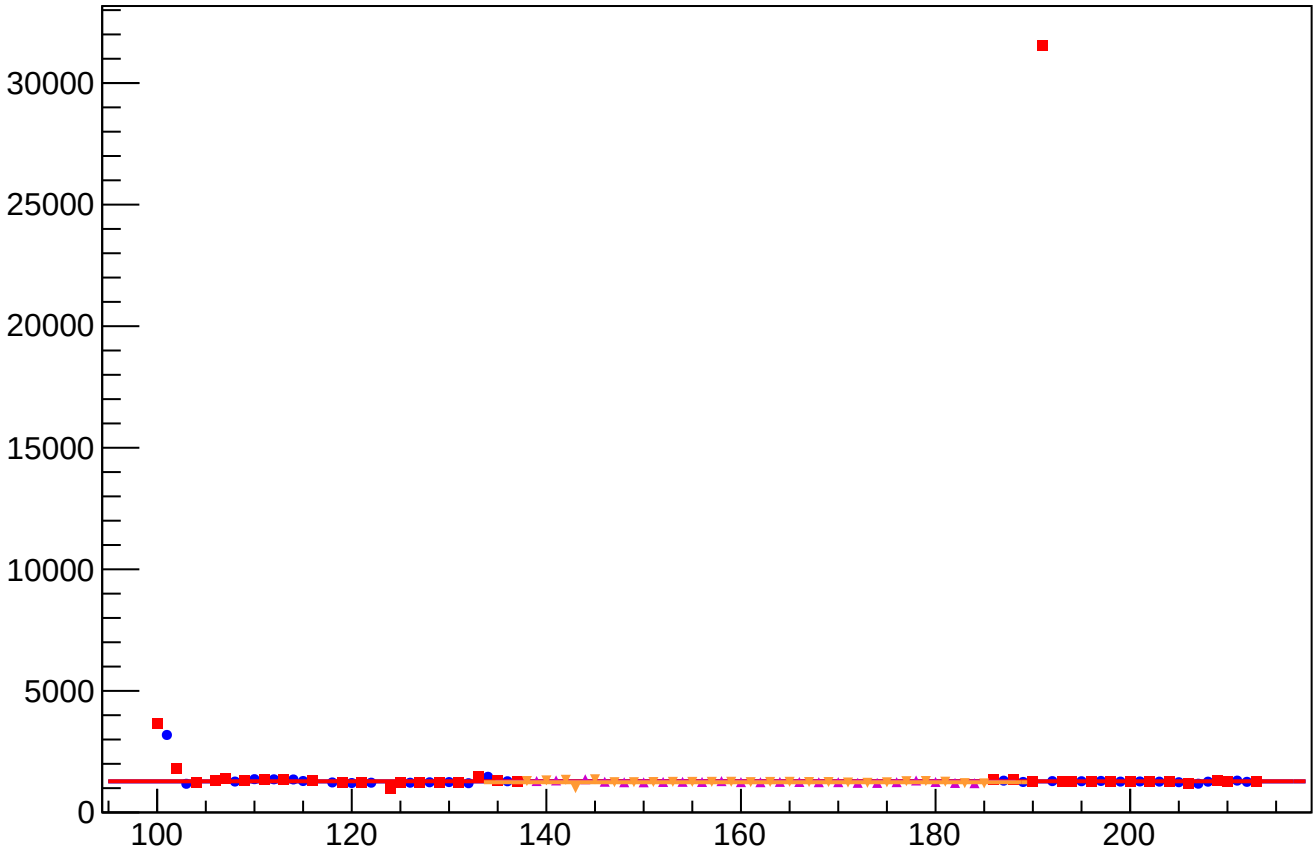
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -189.292+/-214.507 χ^2/NDF: 50.6/62

In: -319.020+/-212.817 χ^2/NDF:48.7/51

Out: -254.628+/-205.387 χ^2/NDF:67.5/58

All: -285.680+/-147.788 χ^2/NDF: 116.3/110



Right In: 1276.165+/-0.218 χ^2/NDF: 526367.5/28

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

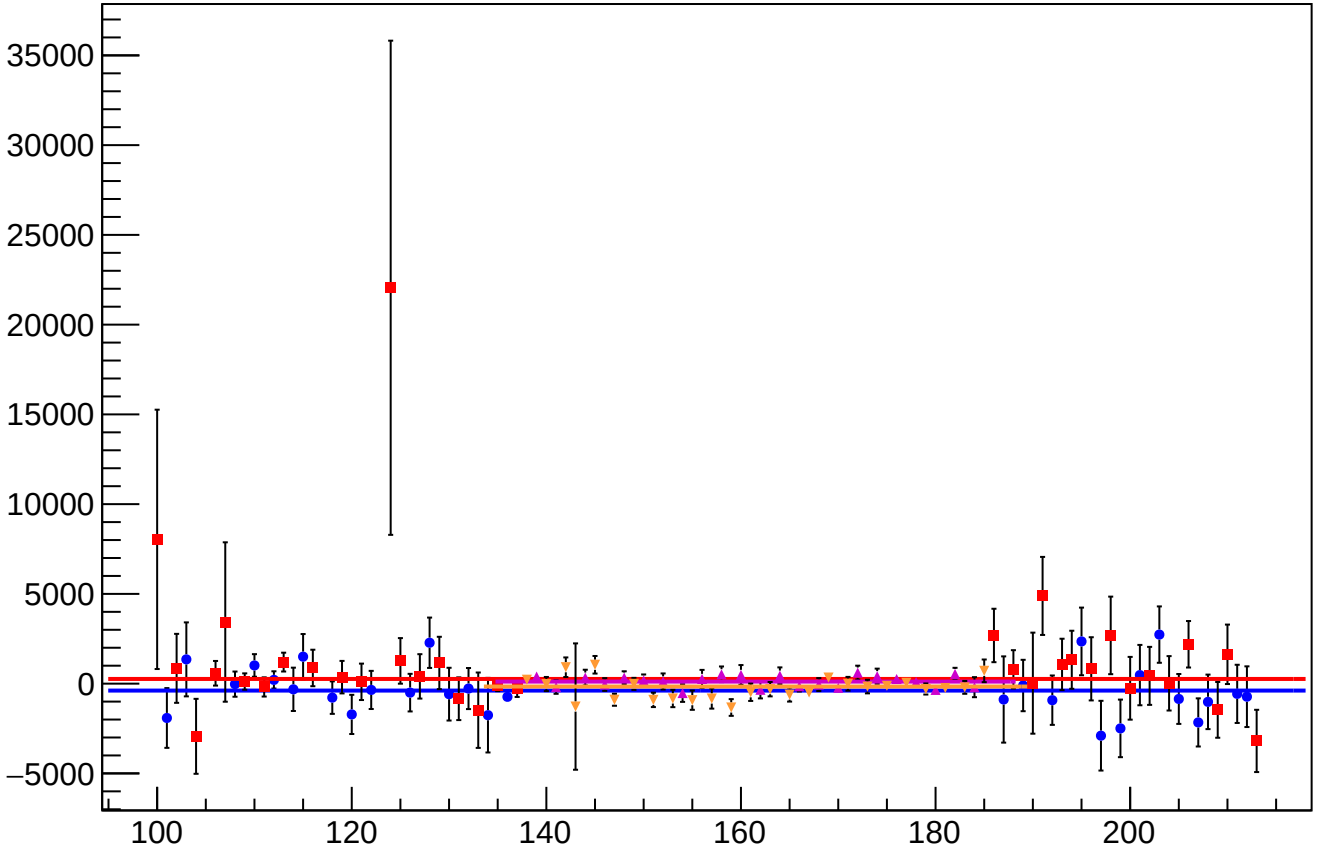
Right: 1279.266+/-0.152 χ^2/NDF: 914825.4/62

In: 1267.763+/-0.150 χ^2/NDF:557145.0/51

Out: 1261.263+/-0.145 χ^2/NDF:536659.0/58

All: 1264.398+/-0.105 χ^2/NDF: 1094769.9/11

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -386.018+/-158.640 χ^2/NDF: 30.5/28

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

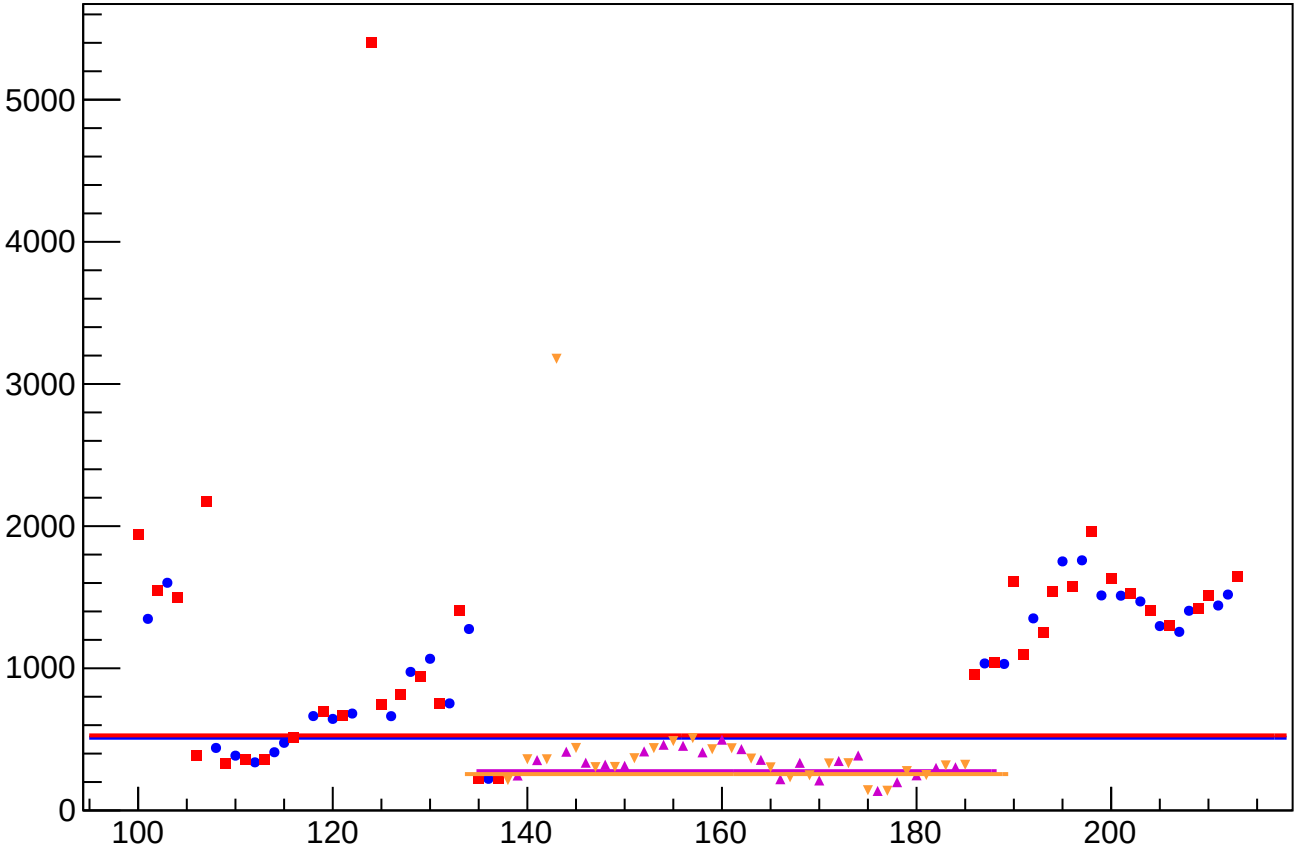
Right: -58.422+/-111.521 χ^2/NDF: 72.9/62

In: 34.528+/-63.151 χ^2/NDF:57.1/51

Out: -100.376+/-59.360 χ^2/NDF:84.0/58

All: -37.094+/-43.252 χ^2/NDF: 143.5/110

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 511.738+/-0.112 χ^2/NDF: 13833253.6/28

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

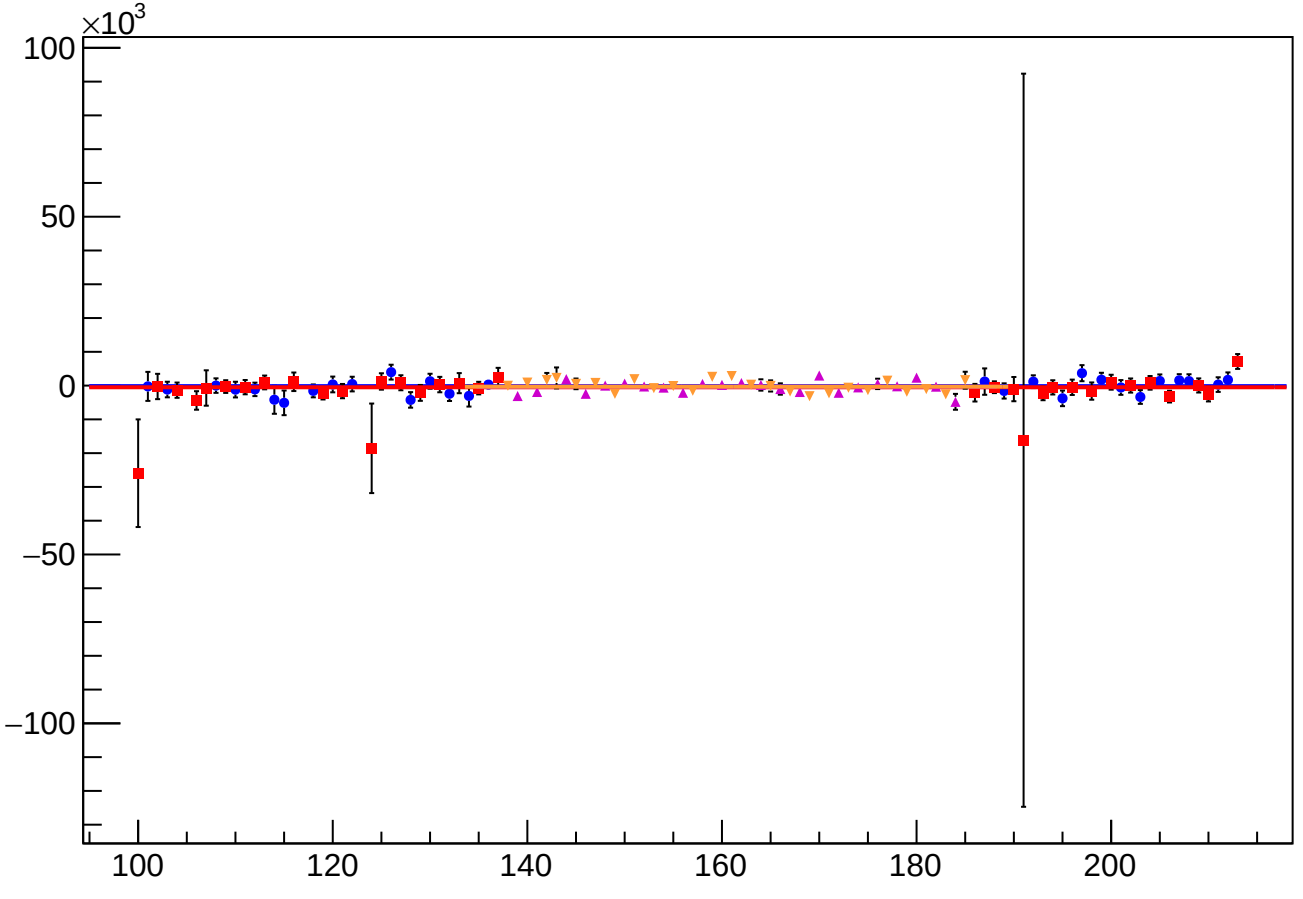
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 519.951+/-0.079 χ^2/NDF: 28932248.0/62

In: 313.608+/-0.045 χ^2/NDF:21567725.7/51

Out: 294.778+/-0.042 χ^2/NDF:26625532.0/58

All: 303.611+/-0.031 χ^2/NDF: 48287661.7/11



Right In: -156.911+/-409.831 χ^2/NDF: 25.4/28

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

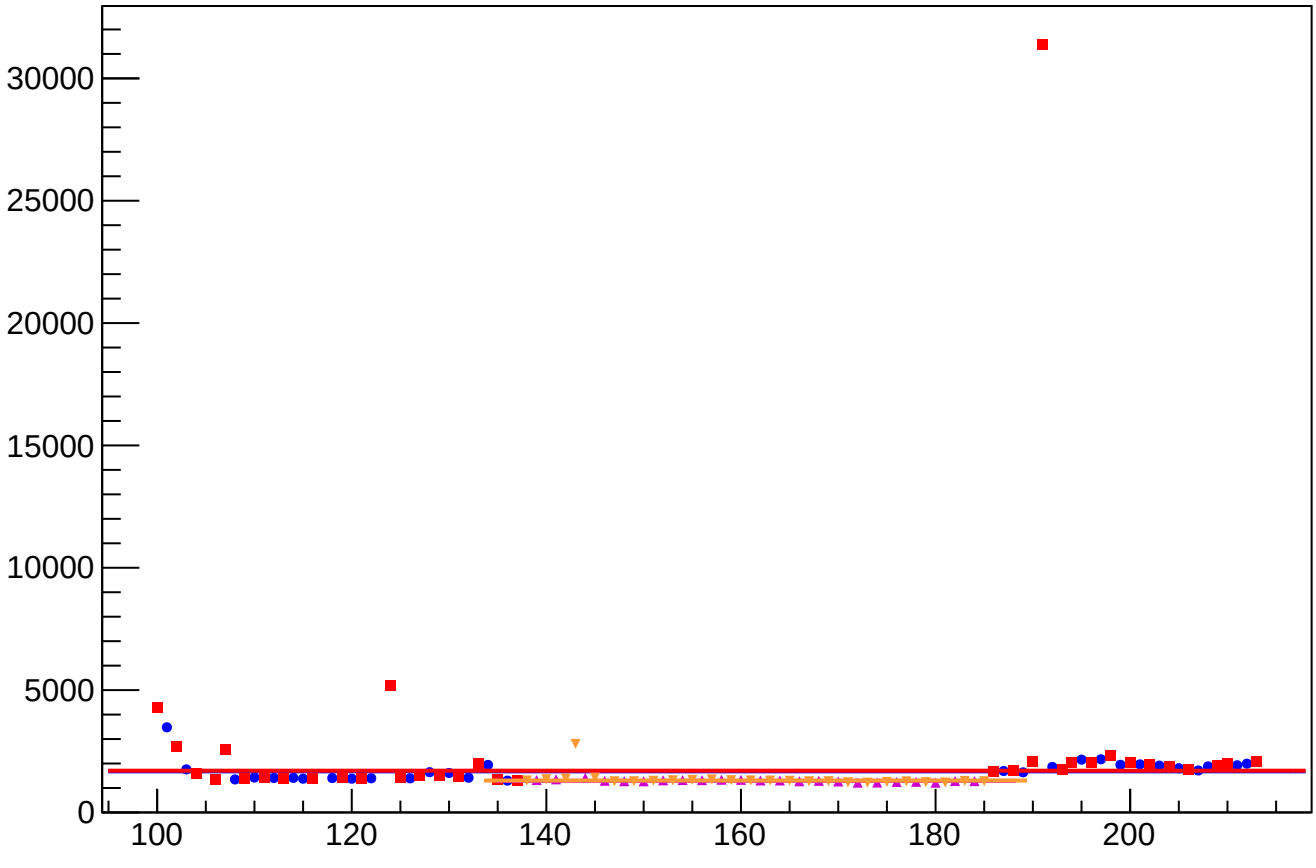
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -329.549+/-287.593 χ^2/NDF: 54.9/62

In: -286.218+/-243.070 χ^2/NDF:55.2/51

Out: -382.356+/-239.890 χ^2/NDF:60.8/58

All: -334.920+/-170.741 χ^2/NDF: 116.1/110



Right In: 1679.481+/-0.290 χ^2/NDF: 1201115.5/28

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

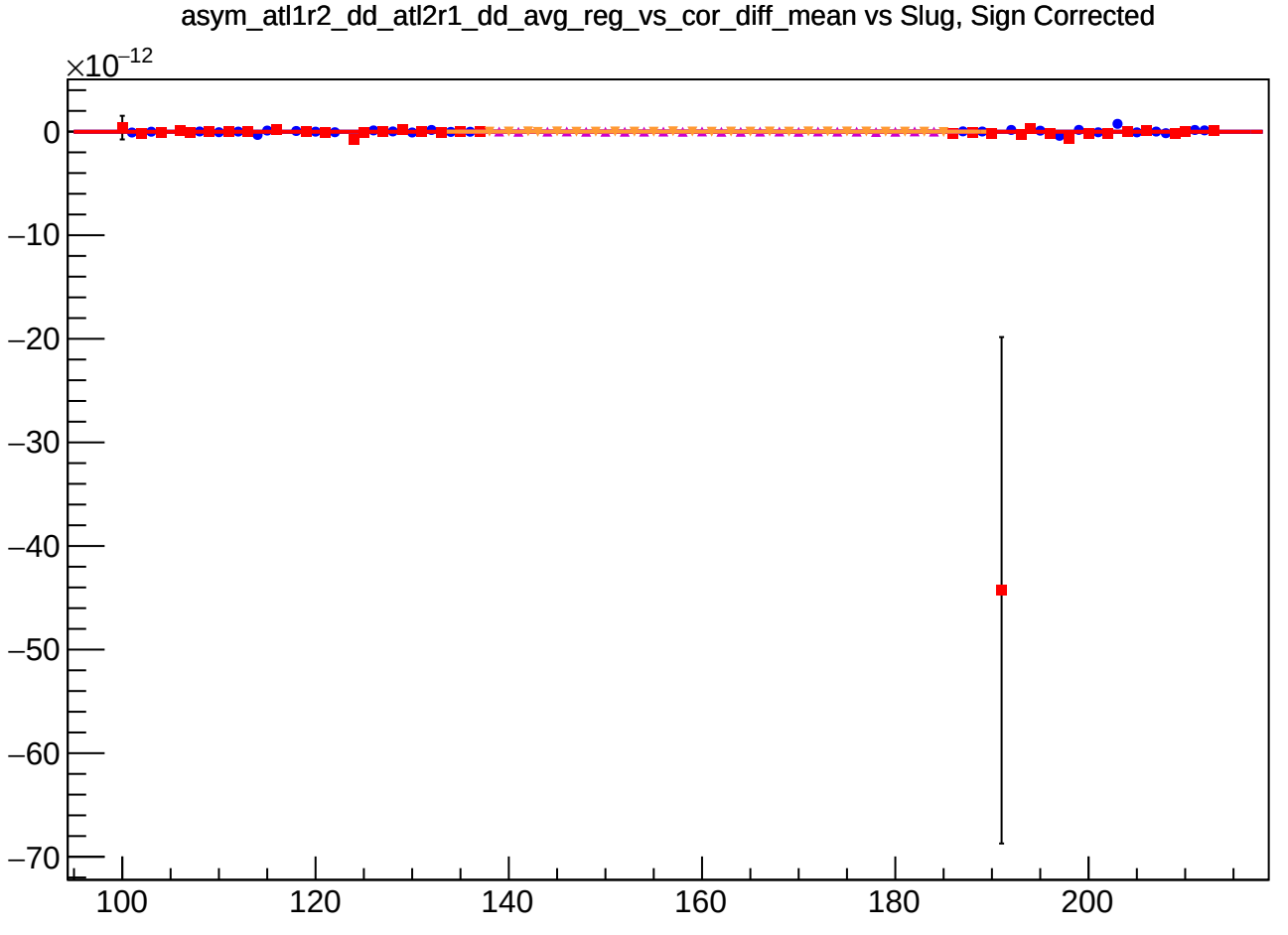
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1693.420+/-0.203 χ^2/NDF: 2711027.3/62

In: 1428.383+/-0.172 χ^2/NDF:2407640.3/51

Out: 1446.402+/-0.170 χ^2/NDF:3312990.1/58

All: 1437.511+/-0.121 χ^2/NDF: 5726198.2/11



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/28

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

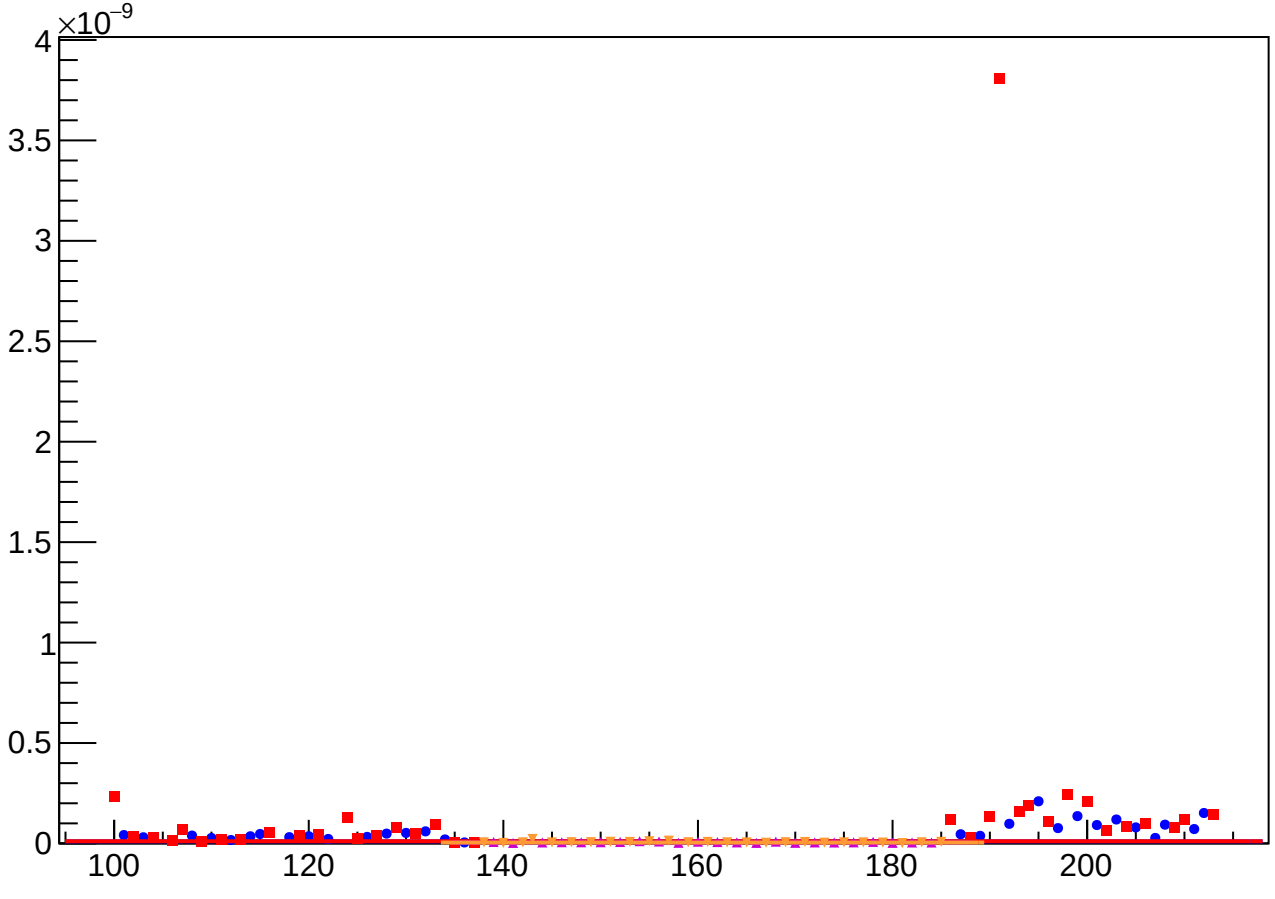
Right: -0.000+/-0.000 χ^2/NDF: 70.1/62

In: -0.000+/-0.000 χ^2/NDF:62.8/51

Out: -0.000+/-0.000 χ^2/NDF:65.9/58

All: -0.000+/-0.000 χ^2/NDF: 129.1/110

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8650559.6/28

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

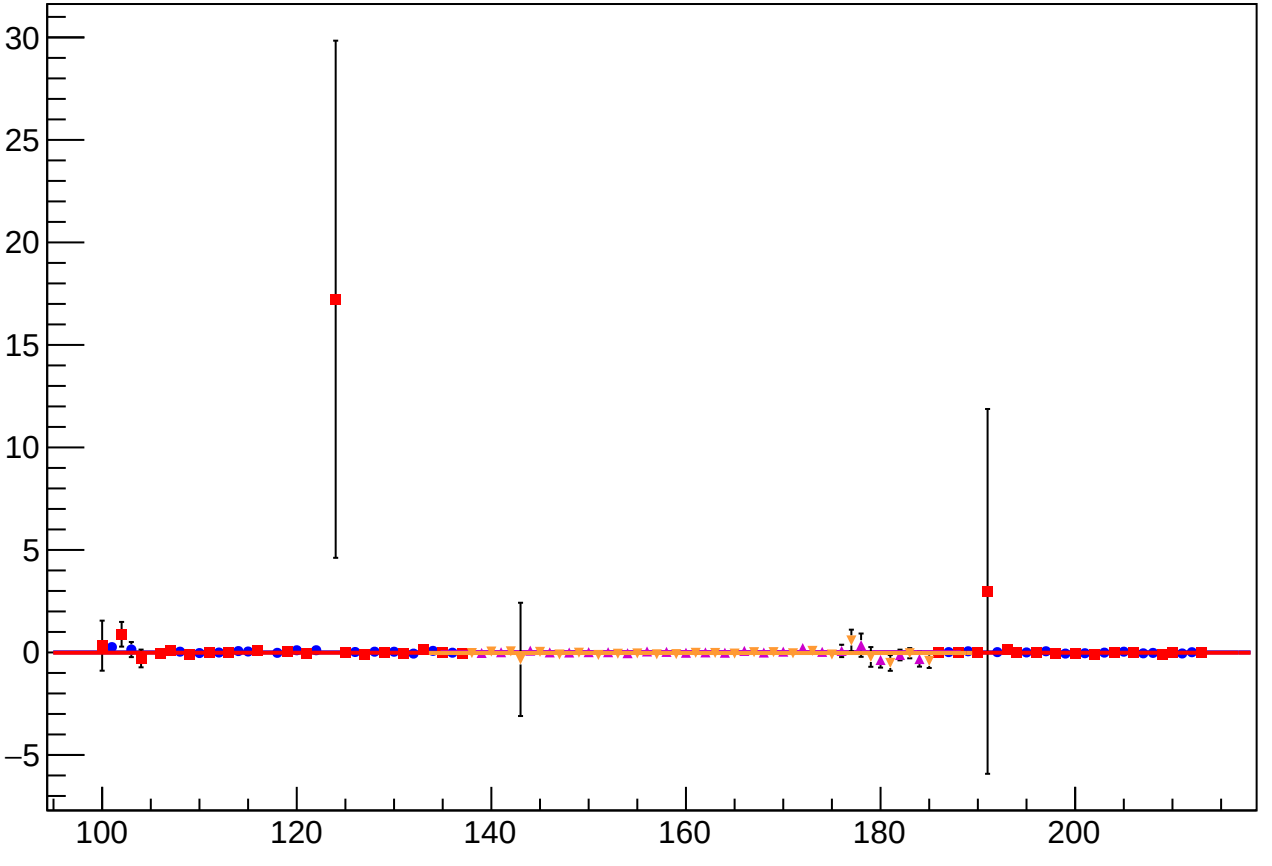
Right: 0.000+/-0.000 χ^2/NDF: 19985312.0/62

In: 0.000+/-0.000 χ^2/NDF:11573954.9/51

Out: 0.000+/-0.000 χ^2/NDF:15324544.1/58

All: 0.000+/-0.000 χ^2/NDF: 26926679.7/110

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.011 χ^2/NDF: 16.9/28

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

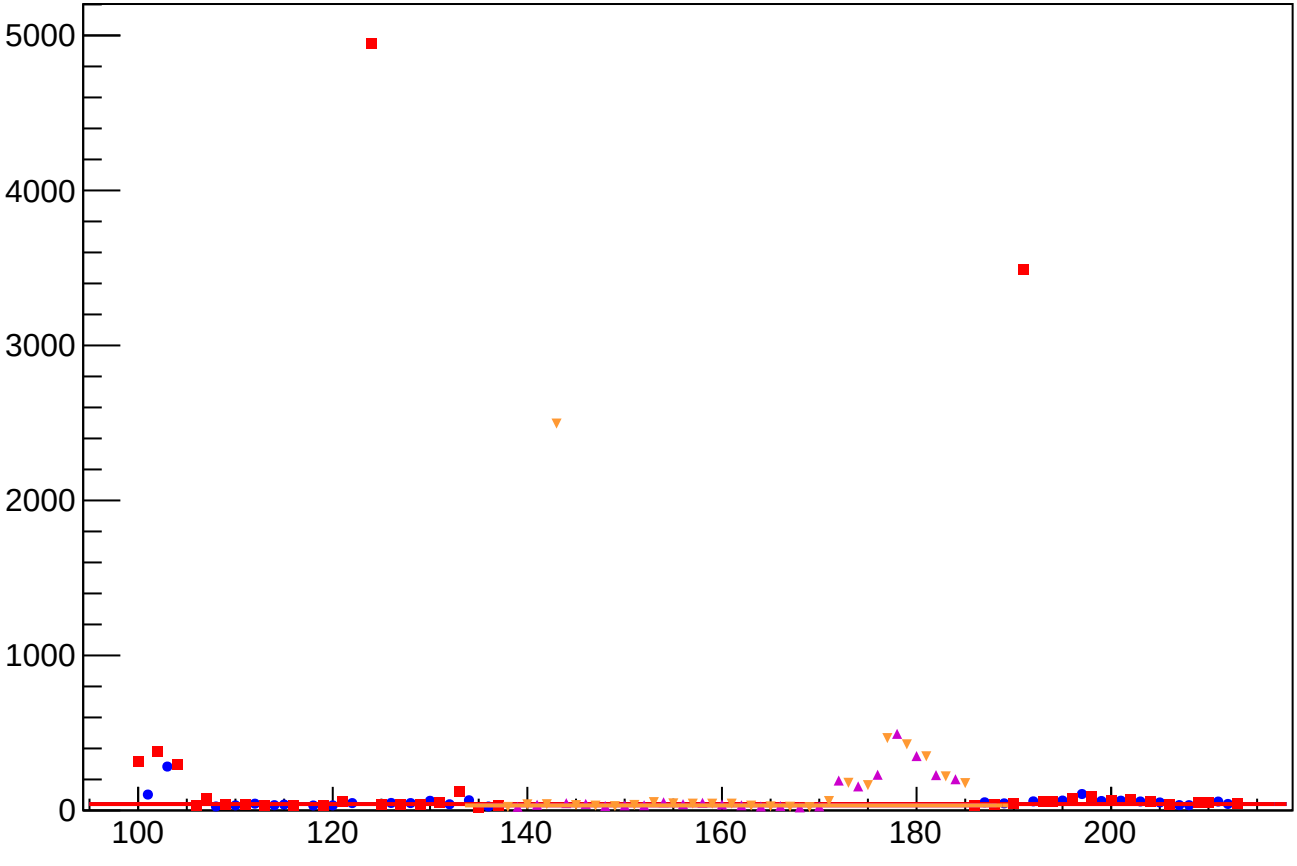
Right: -0.005+/-0.008 χ^2/NDF: 44.9/62

In: 0.008+/-0.007 χ^2/NDF:30.3/51

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.6/110

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.565+/-0.008 χ^2/NDF: 4250880.0/28

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

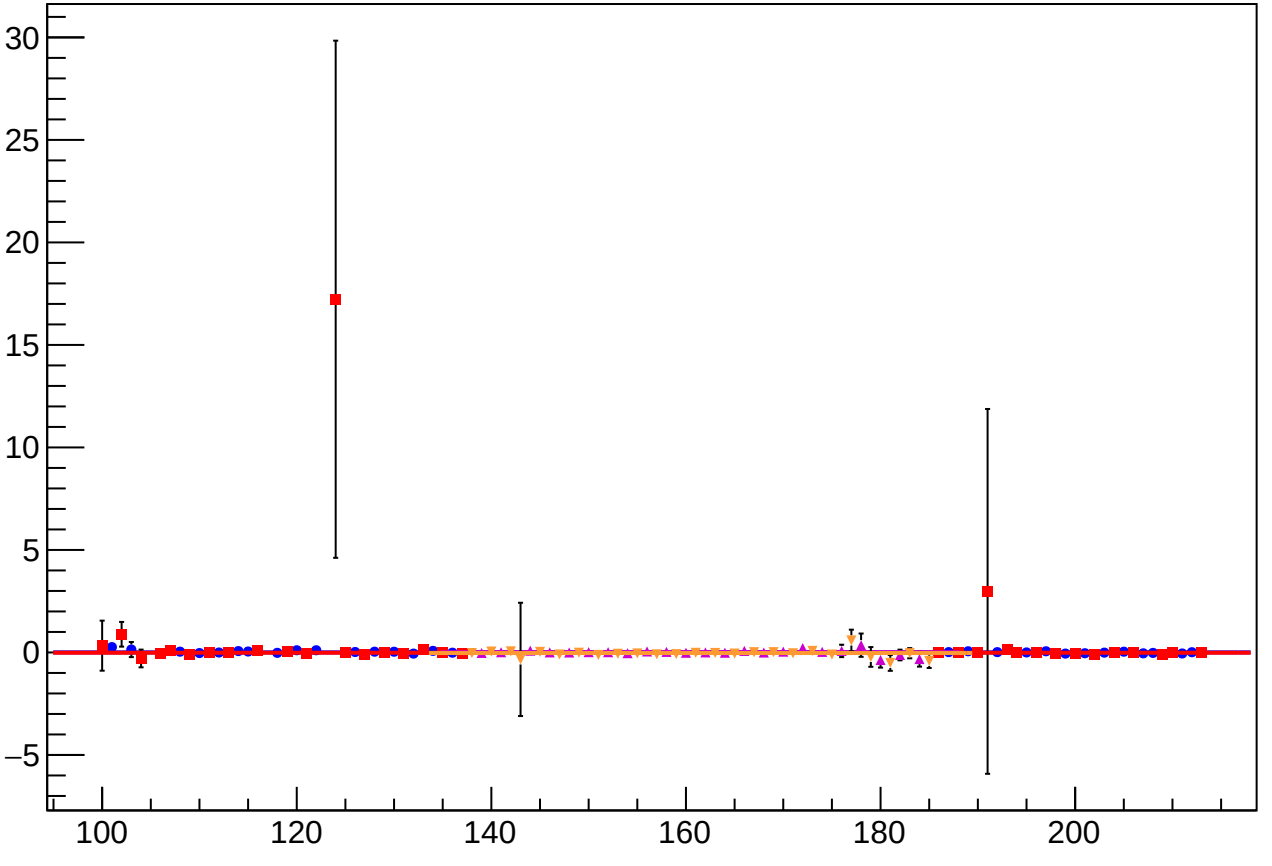
Right: 41.418+/-0.006 χ^2/NDF: 9774961.6/62

In: 36.364+/-0.005 χ^2/NDF:13923340.2/51

Out: 36.280+/-0.005 χ^2/NDF:17114204.2/58

All: 36.321+/-0.004 χ^2/NDF: 31037678.7/110

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.011 χ^2/NDF: 16.9/28

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

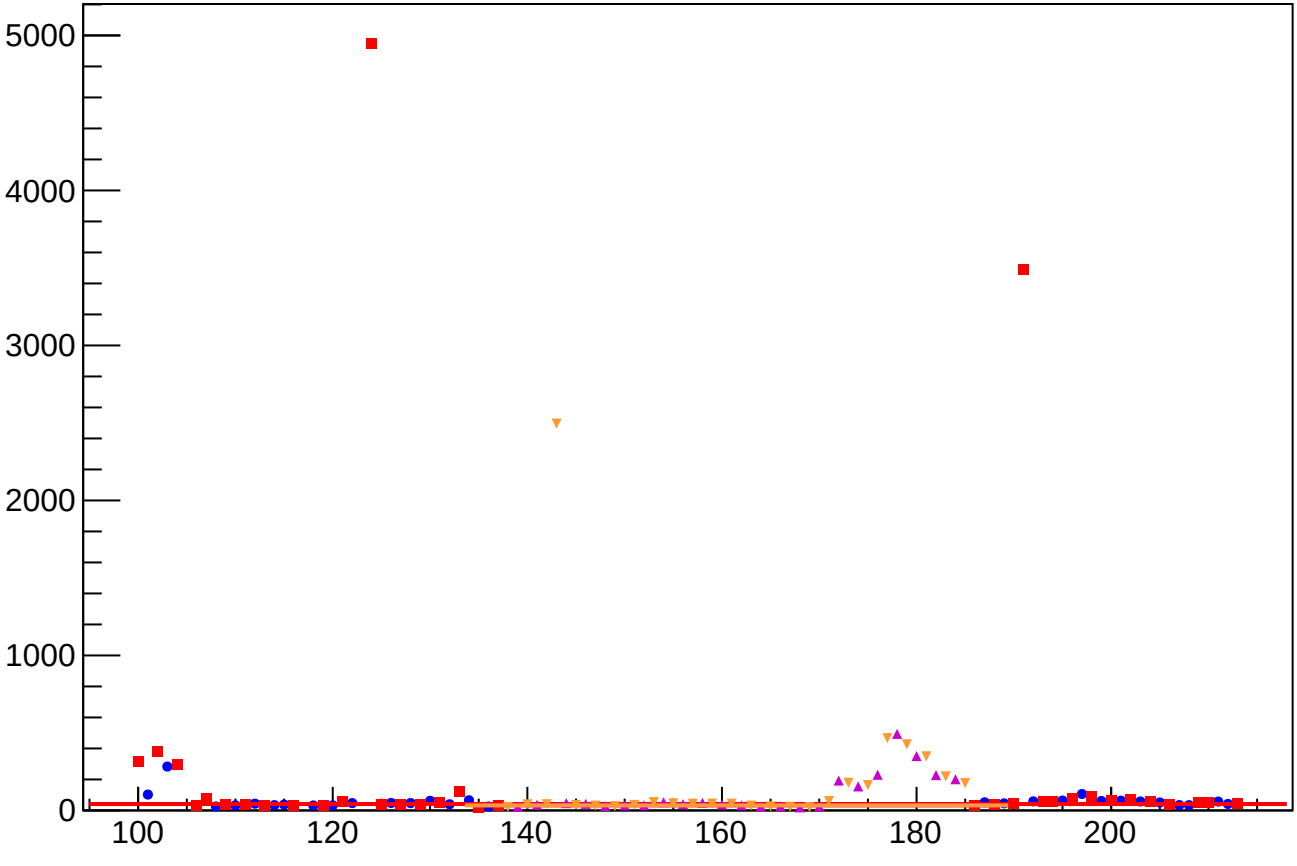
Right: -0.005+/-0.008 χ^2/NDF: 44.9/62

In: 0.008+/-0.007 χ^2/NDF:30.3/51

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.6/110

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.565+/-0.008 χ^2/NDF: 4250880.0/28

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

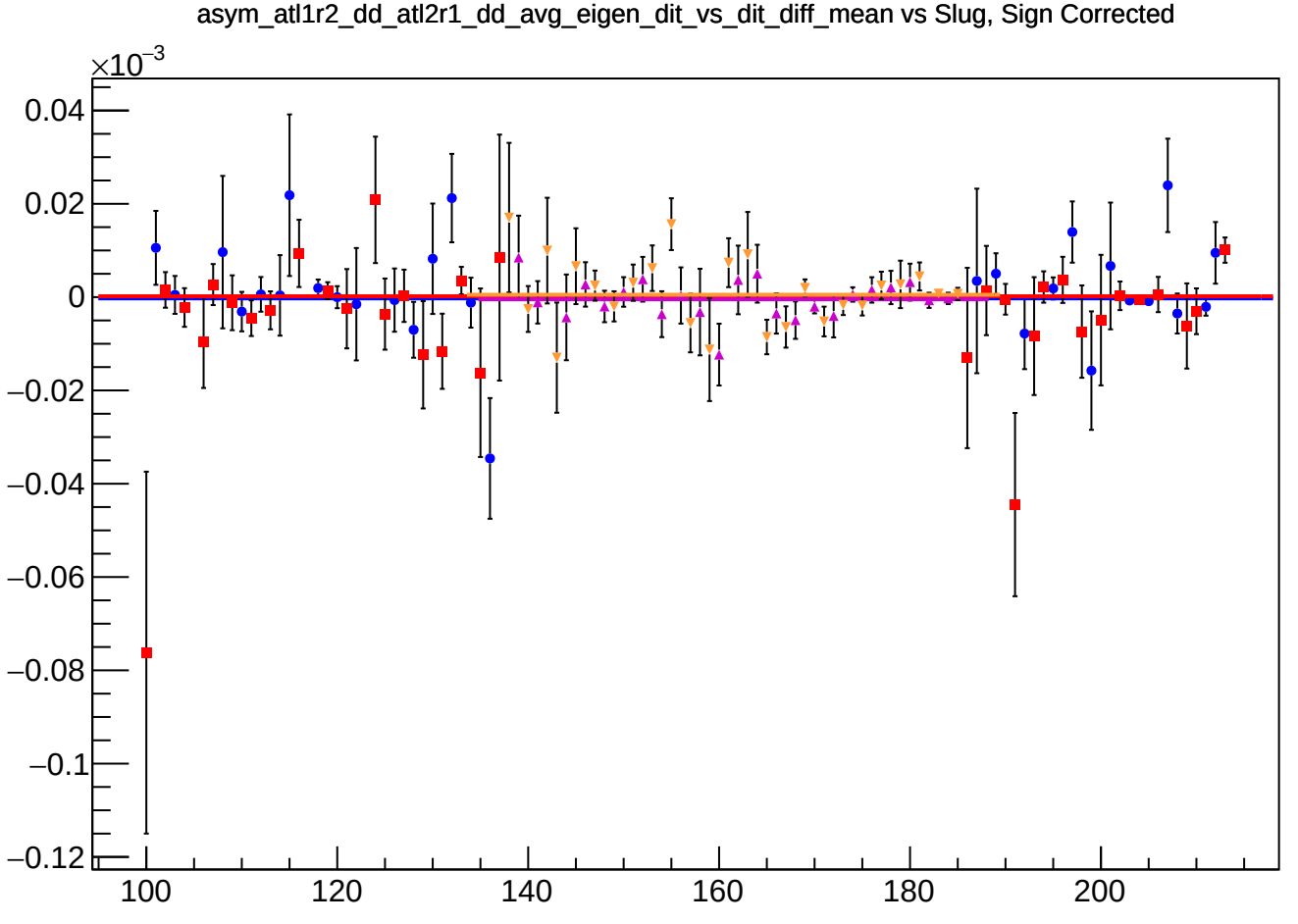
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.418+/-0.006 χ^2/NDF: 9774961.6/62

In: 36.364+/-0.005 χ^2/NDF:13923340.2/51

Out: 36.280+/-0.005 χ^2/NDF:17114204.2/58

All: 36.321+/-0.004 χ^2/NDF: 31037678.7/110



Right In: -0.000+/-0.000 χ^2/NDF: 39.9/28

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

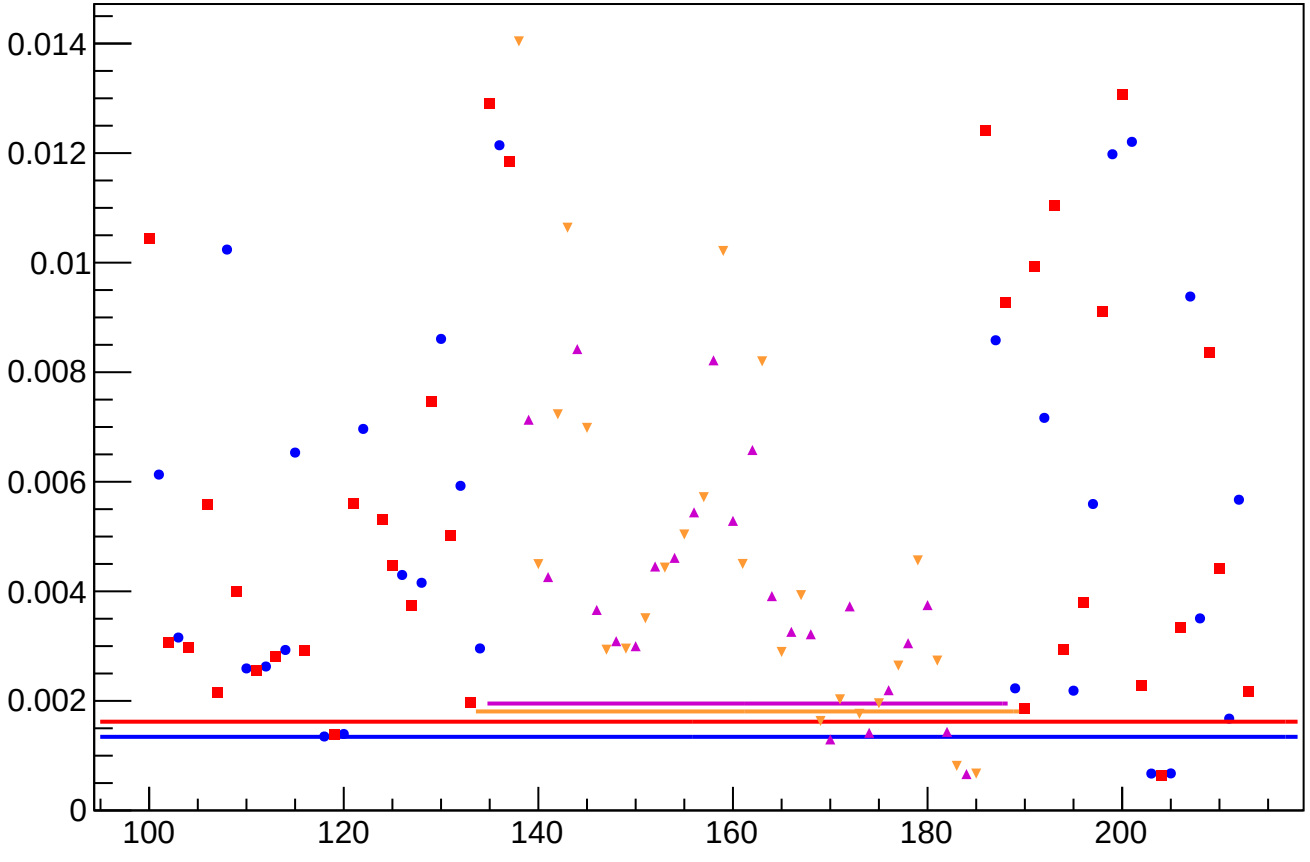
Right: -0.000+/-0.000 χ^2/NDF: 81.1/62

In: -0.000+/-0.000 χ^2/NDF:53.6/51

Out: 0.000+/-0.000 χ^2/NDF:76.8/58

All: -0.000+/-0.000 χ^2/NDF: 132.0/110

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: 16812753.8/28

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

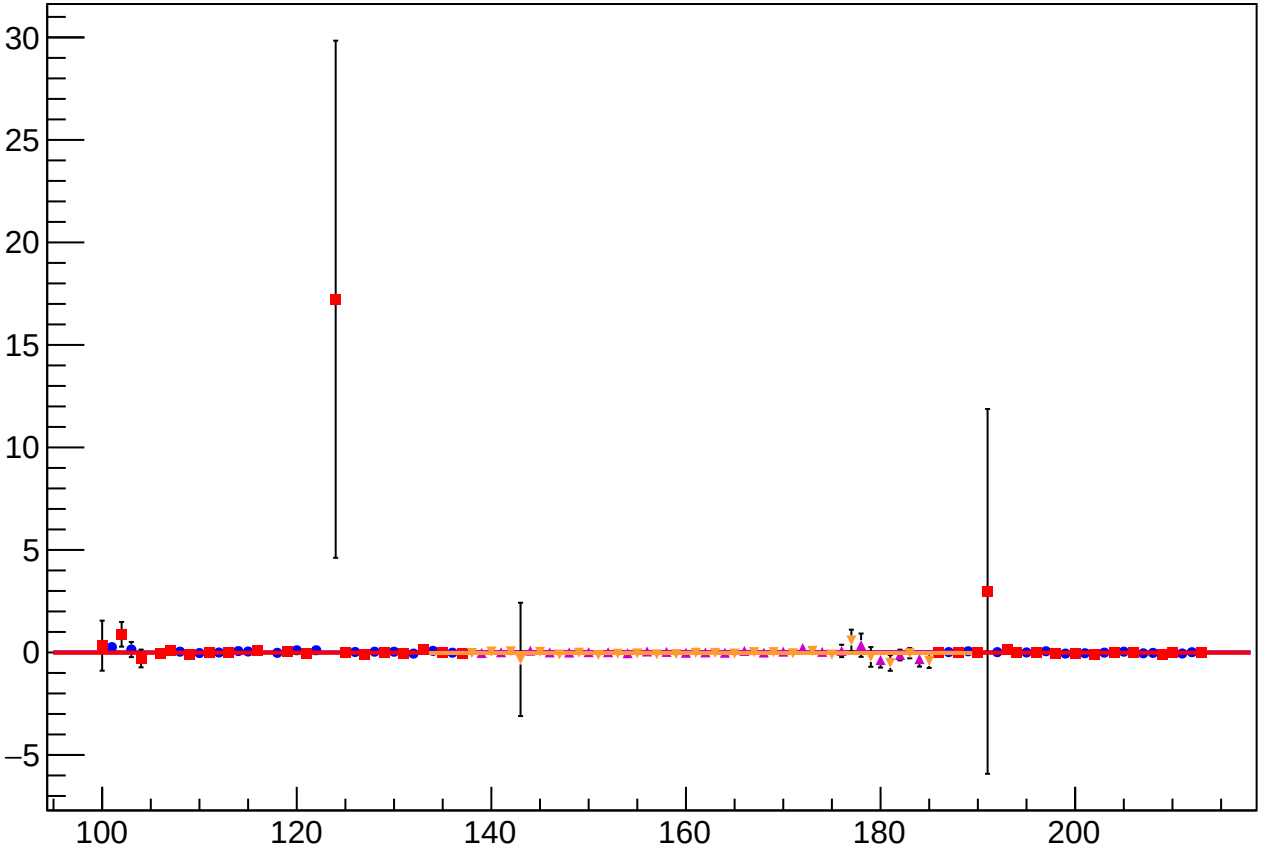
Right: 0.001+/-0.000 χ^2/NDF: 34377167.9/62

In: 0.002+/-0.000 χ^2/NDF:29544941.1/51

Out: 0.002+/-0.000 χ^2/NDF:32341364.6/58

All: 0.002+/-0.000 χ^2/NDF: 61983275.6/110

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.011 χ^2/NDF: 16.9/28

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

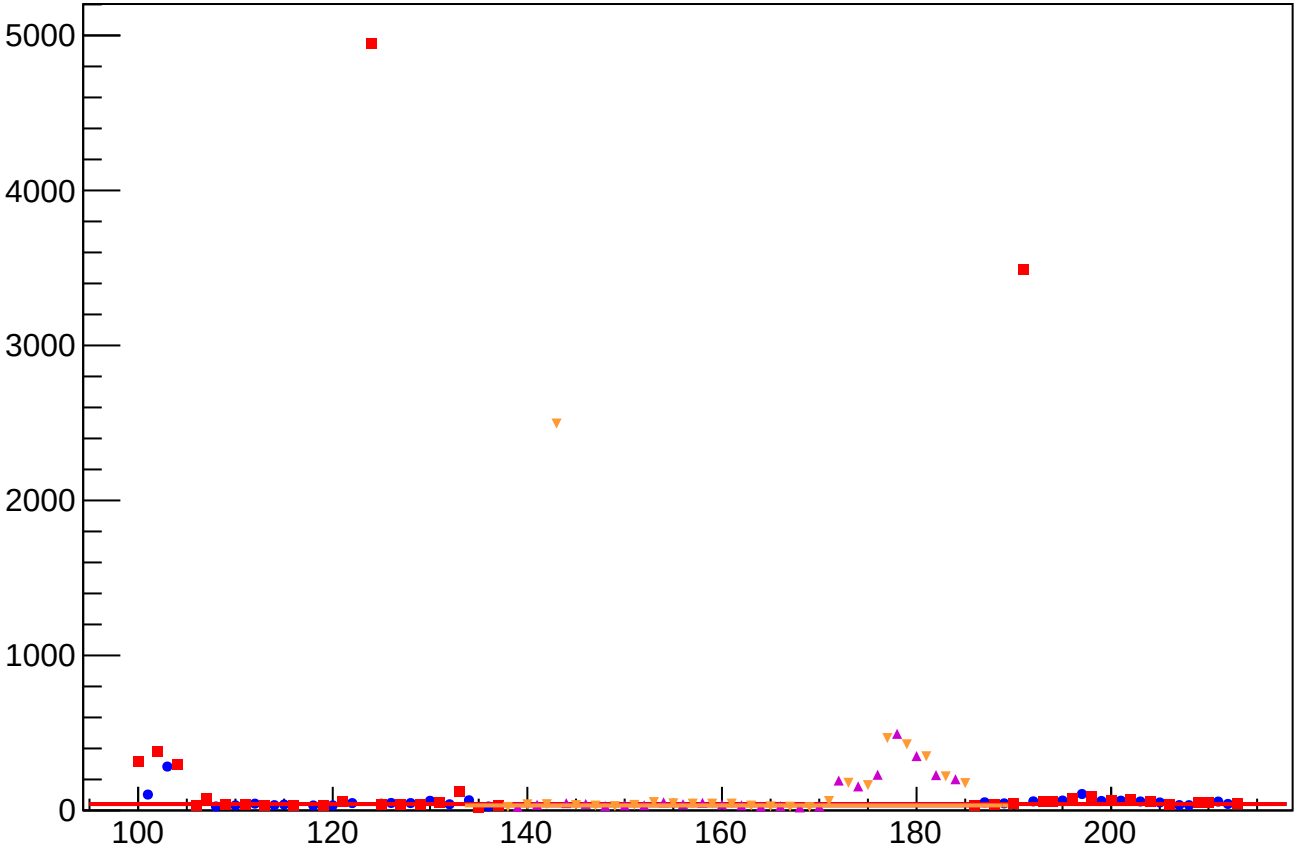
Right: -0.005+/-0.008 χ^2/NDF: 44.9/62

In: 0.008+/-0.007 χ^2/NDF:30.3/51

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.6/110

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.565+/-0.008 χ^2/NDF: 4250536.7/28

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

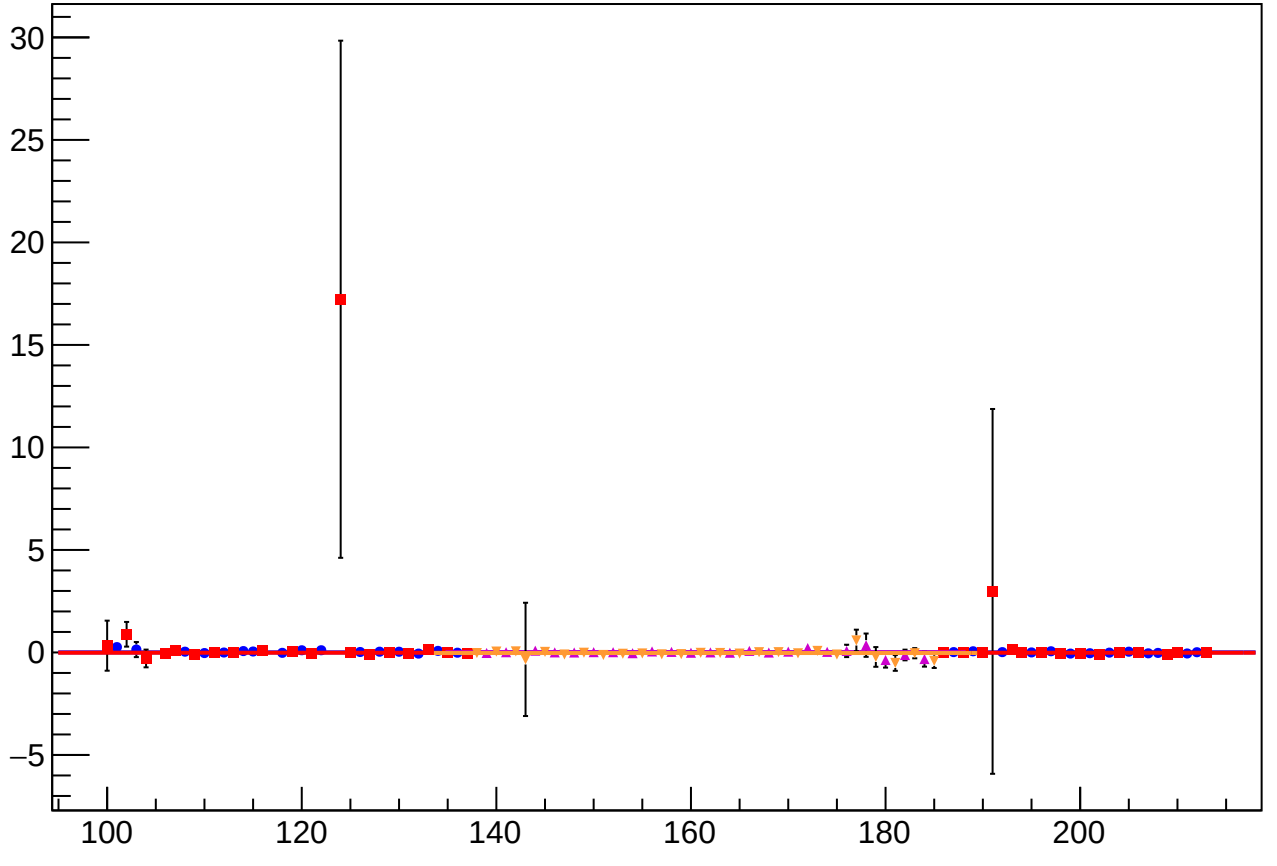
Right: 41.419+/-0.006 χ^2/NDF: 9774414.1/62

In: 36.363+/-0.005 χ^2/NDF:13923888.7/51

Out: 36.280+/-0.005 χ^2/NDF:17114302.3/58

All: 36.321+/-0.004 χ^2/NDF: 31038323.2/110

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.011 χ^2/NDF: 16.9/28

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

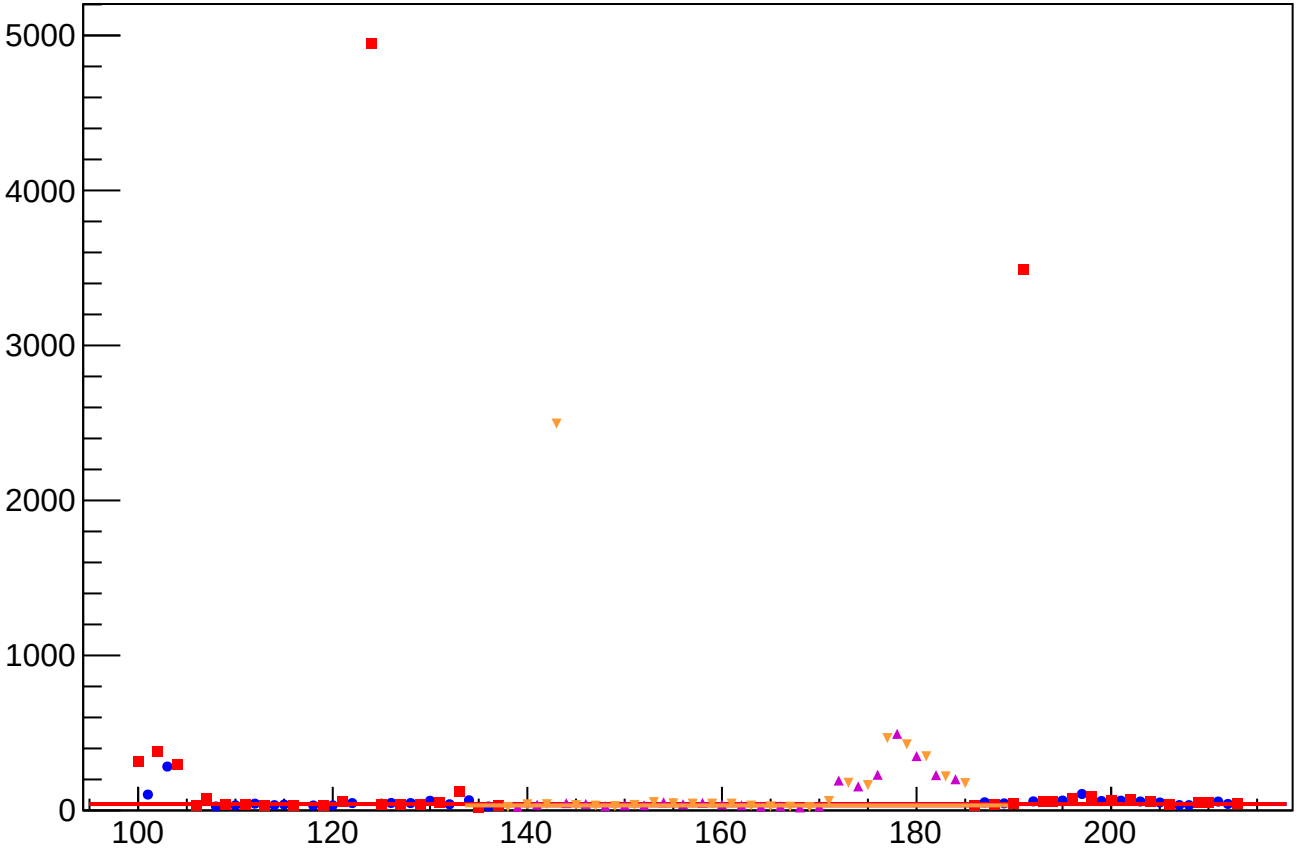
Right: -0.005+/-0.008 χ^2/NDF: 44.9/62

In: 0.008+/-0.007 χ^2/NDF:30.3/51

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.007+/-0.005 χ^2/NDF: 94.6/110

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.565+/-0.008 χ^2/NDF: 4250536.7/28

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

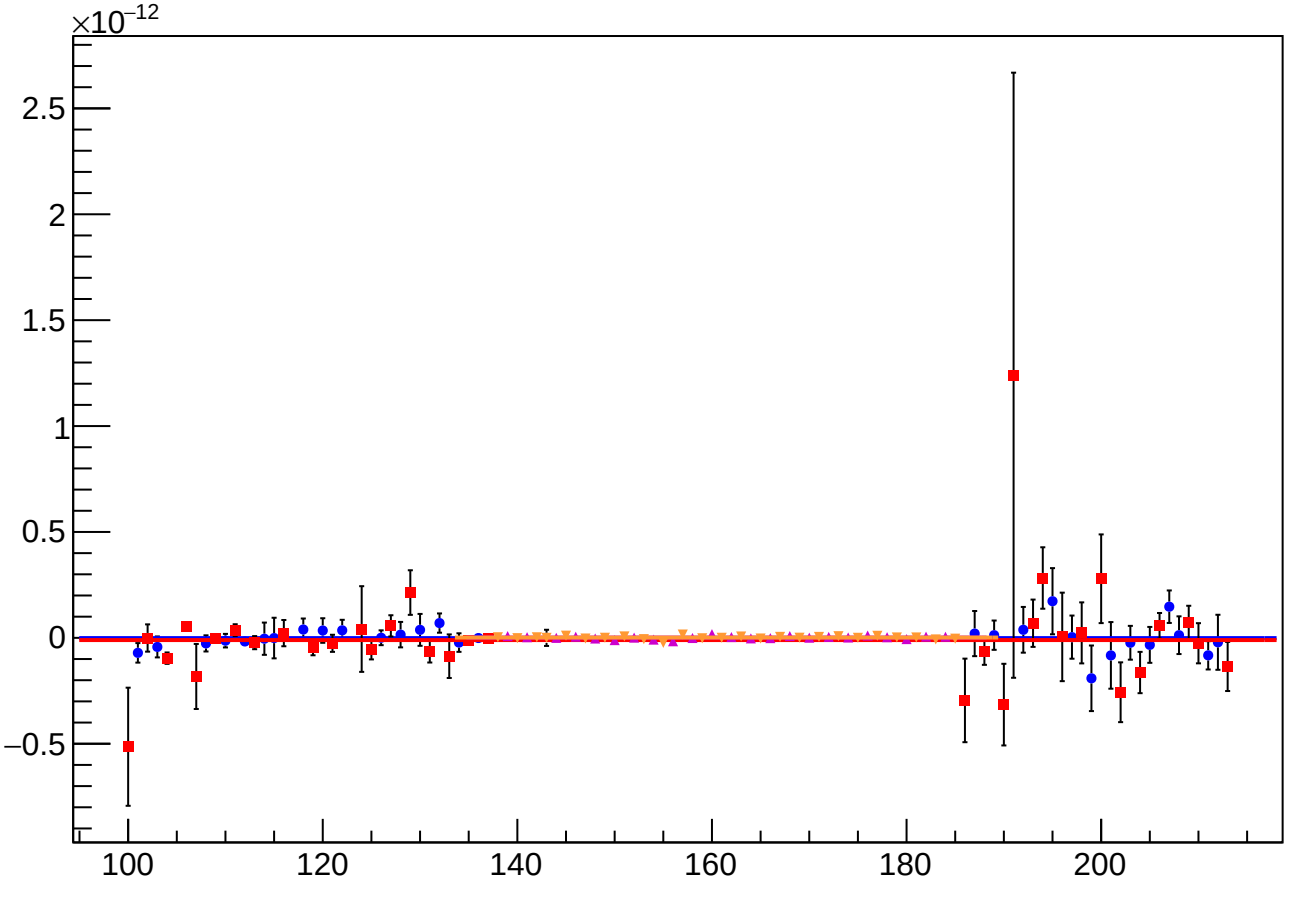
Right: 41.419+/-0.006 χ^2/NDF: 9774414.1/62

In: 36.363+/-0.005 χ^2/NDF:13923888.7/51

Out: 36.280+/-0.005 χ^2/NDF:17114302.3/58

All: 36.321+/-0.004 χ^2/NDF: 31038323.2/110

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/28

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

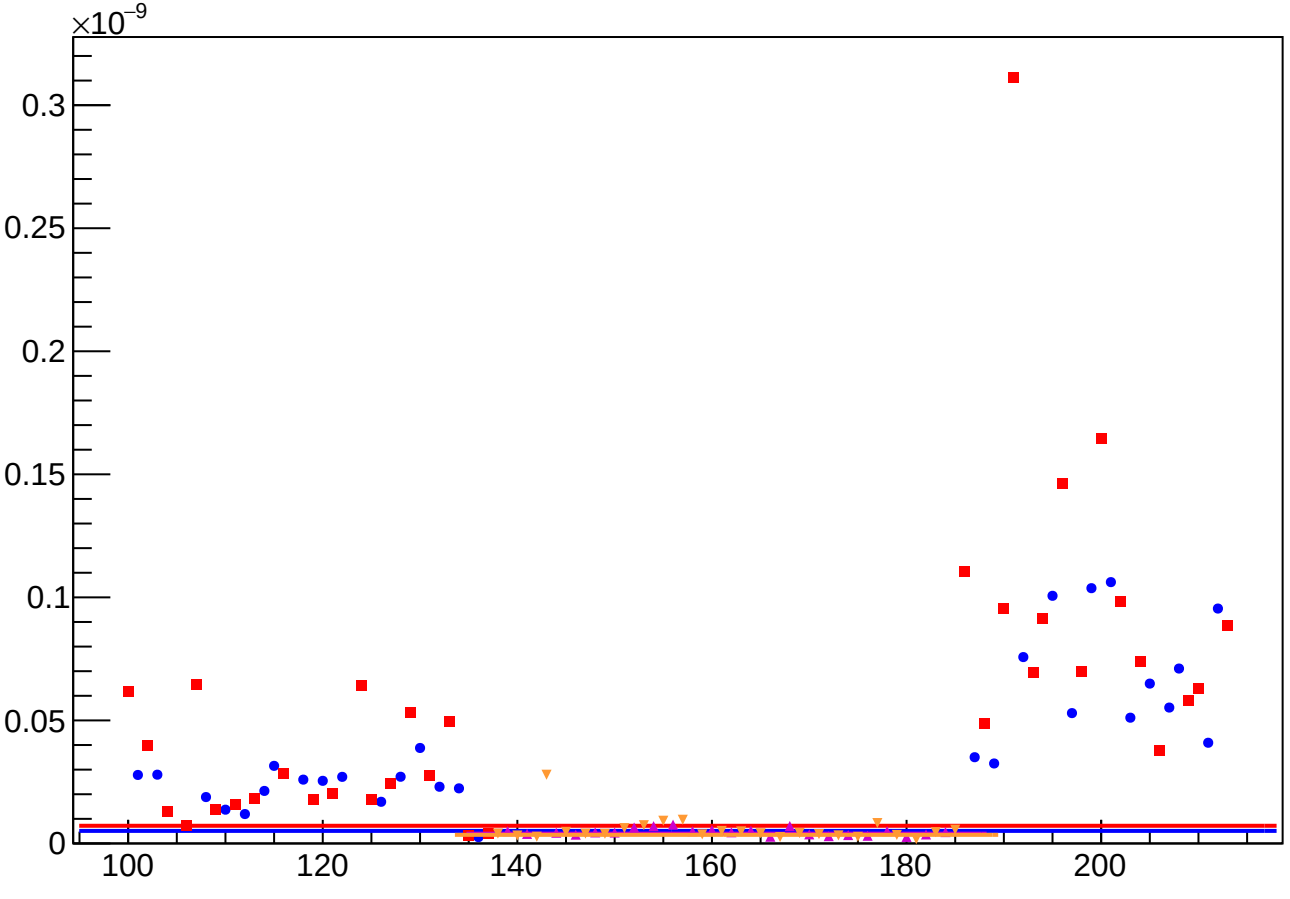
Right: -0.000+/-0.000 χ^2/NDF: 81.7/62

In: 0.000+/-0.000 χ^2/NDF:46.5/51

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 133.9/110

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: 14526832.2/28

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

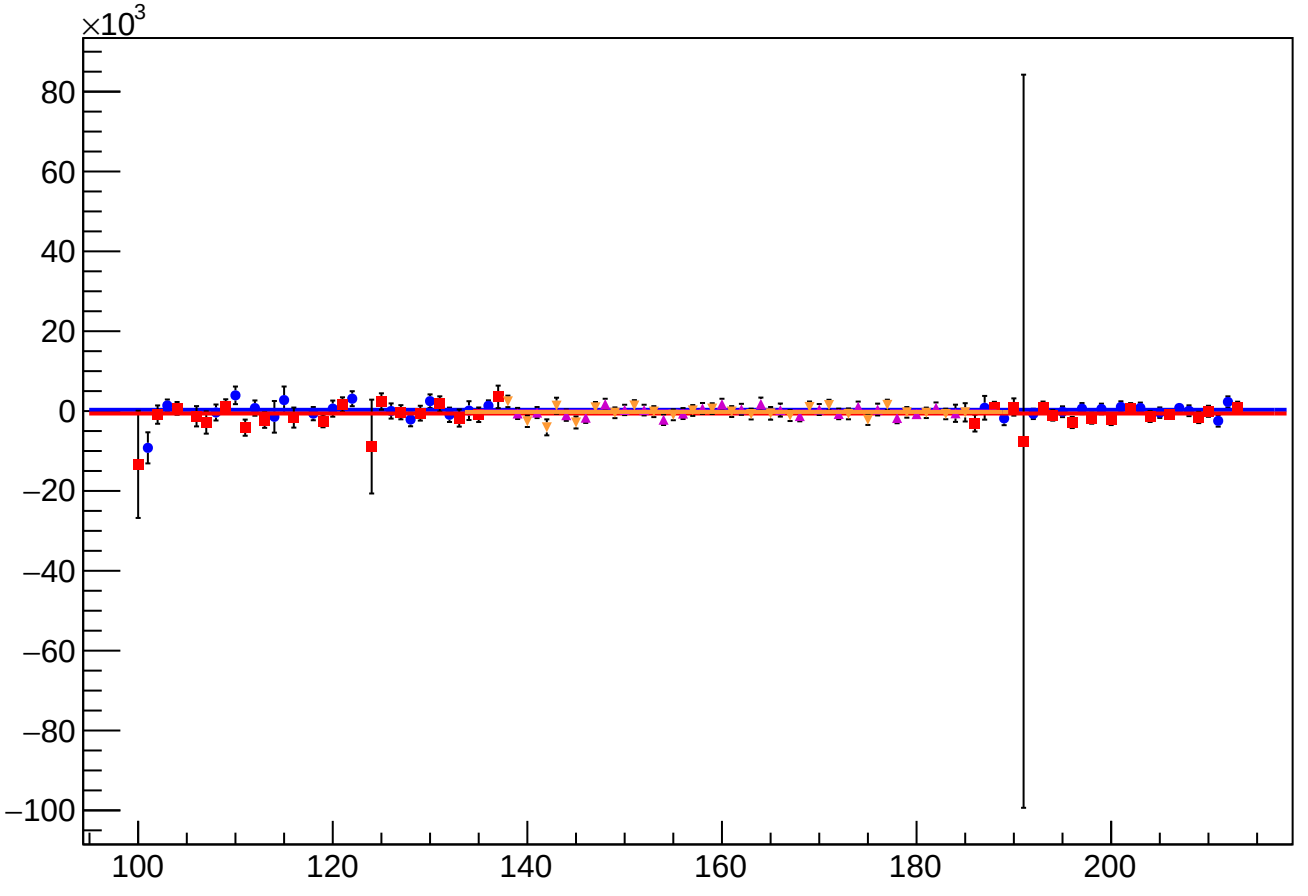
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 30243393.9/62

In: 0.000+/-0.000 χ^2/NDF:16799565.2/51

Out: 0.000+/-0.000 χ^2/NDF:21599697.2/58

All: 0.000+/-0.000 χ^2/NDF: 38521863.8/110



Right In: 317.126+/-303.954 χ^2/NDF: 26.4/28

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

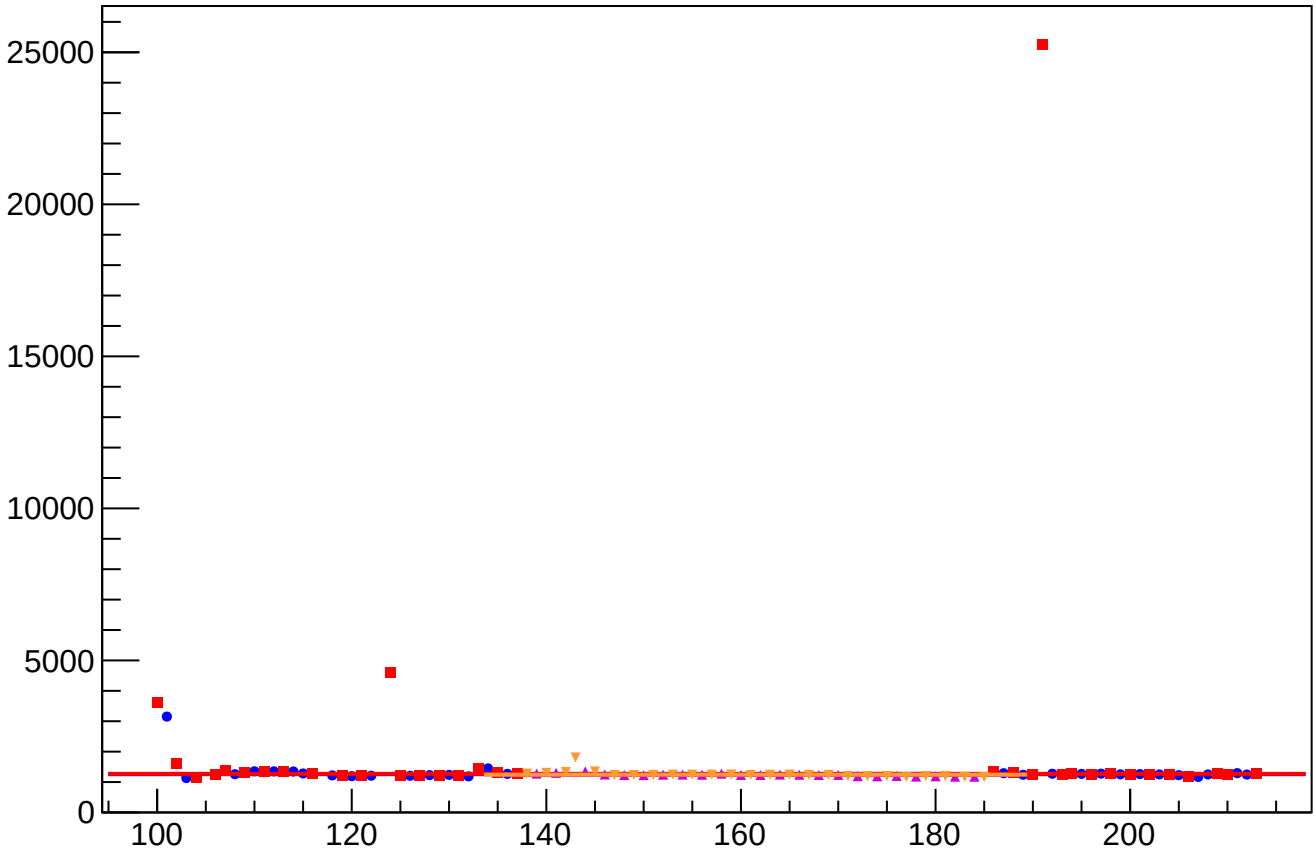
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -158.882+/-212.085 χ^2/NDF: 60.7/62

In: 101.486+/-209.142 χ^2/NDF:42.0/51

Out: -406.860+/-204.596 χ^2/NDF:54.3/58

All: -158.273+/-146.252 χ^2/NDF: 99.4/110



Right In: 1259.014+/-0.215 χ^2/NDF: 535192.0/28

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

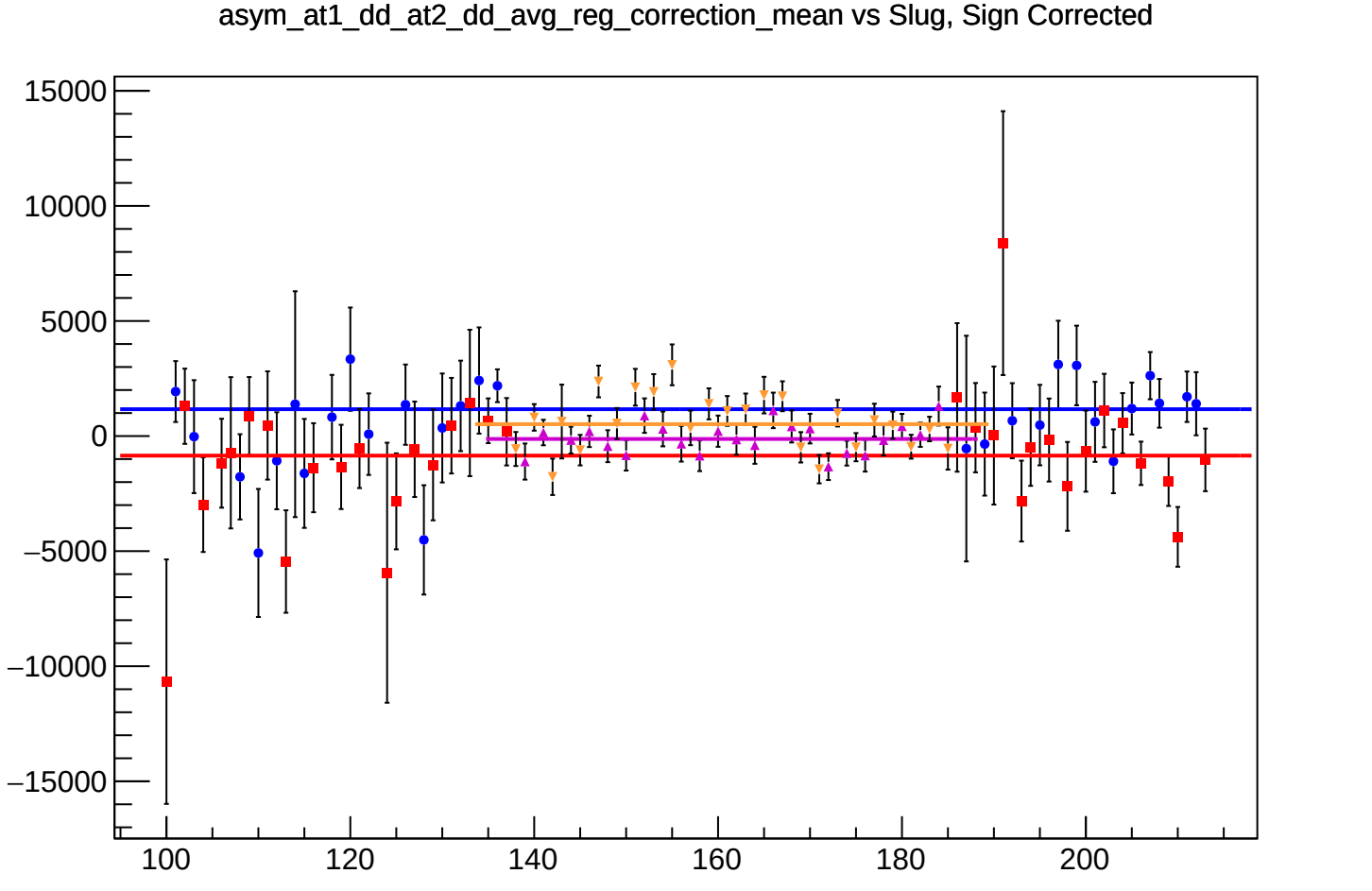
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

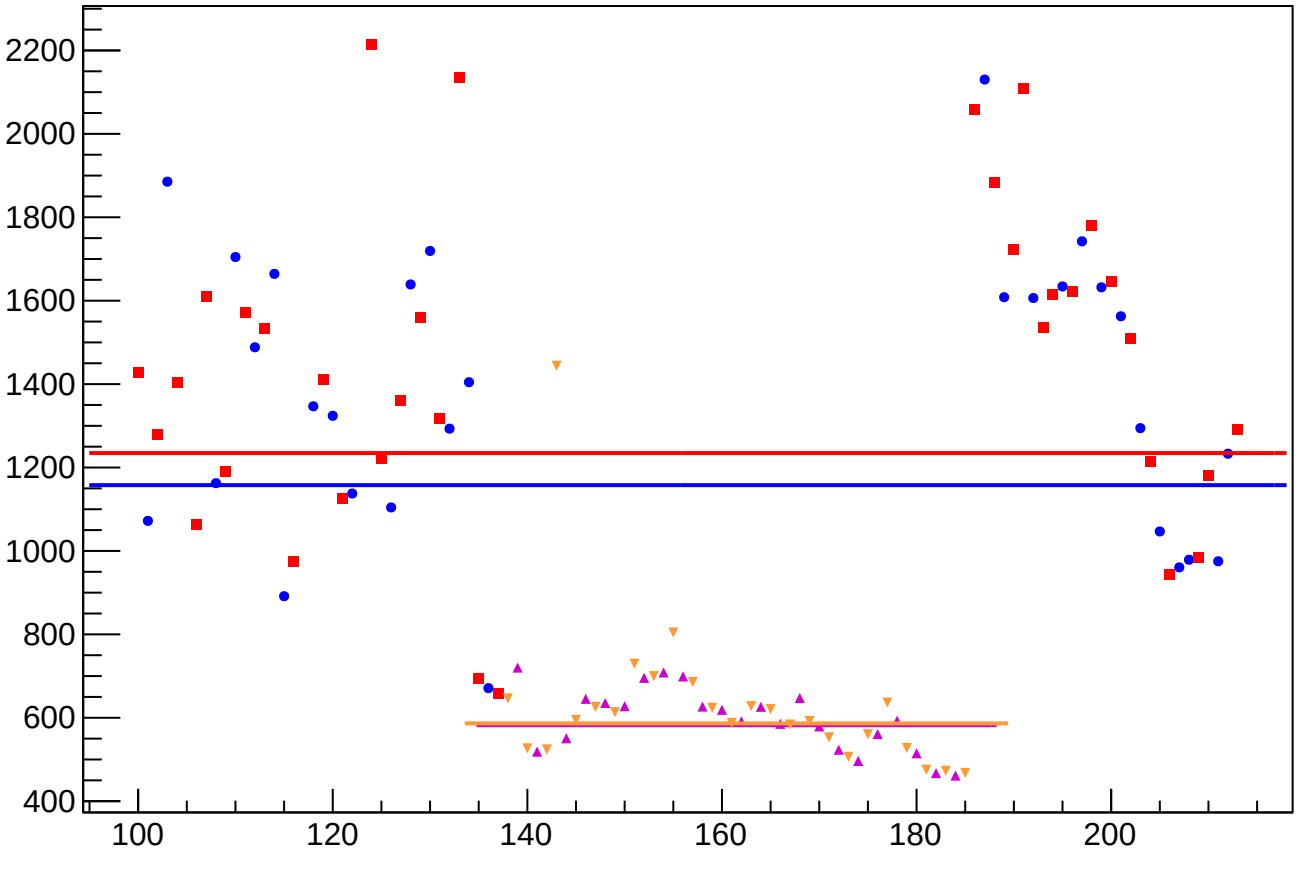
Right: 1264.840+/-0.150 χ^2/NDF: 1023307.9/62

In: 1245.712+/-0.148 χ^2/NDF:581747.8/51

Out: 1255.978+/-0.145 χ^2/NDF:699026.2/58

All: 1250.958+/-0.103 χ^2/NDF: 1283236.3/11


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1166.738+/-289.728 χ²/NDF: 28.4/28
Left Out: 516.792+/-135.746 χ²/NDF:67.0/24
Right Out: -849.942+/-296.847 χ²/NDF: 34.6/33
Left In: -126.569+/-137.266 χ²/NDF:21.6/22
Left: 198.694+/-96.520 χ²/NDF: 99.7/47
Right: 182.869+/-207.340 χ²/NDF: 86.6/62
In: 110.514+/-124.048 χ²/NDF:66.2/51
Out: 280.415+/-123.451 χ²/NDF:119.1/58
All: 195.875+/-87.503 χ²/NDF: 186.3/110



Right In: 1157.761+/-0.205 χ^2/NDF: 2688906.9/28

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

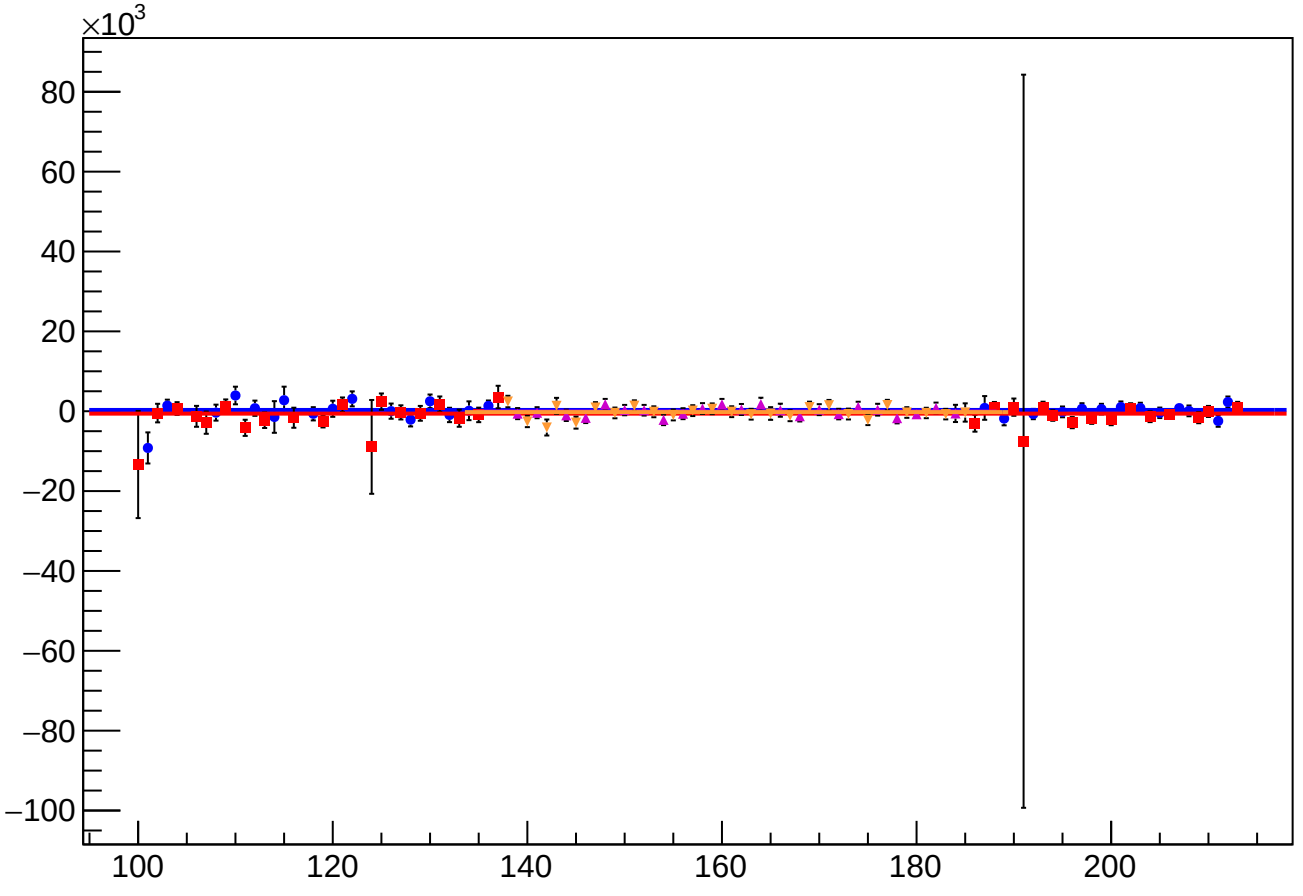
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1195.283+/-0.147 χ^2/NDF: 5495417.9/62

In: 687.702+/-0.088 χ^2/NDF:9694316.2/51

Out: 698.649+/-0.087 χ^2/NDF:11825621.9/58

All: 693.202+/-0.062 χ^2/NDF: 21527763.4/11



Right In: 317.335+/-303.954 χ^2/NDF: 26.3/28

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

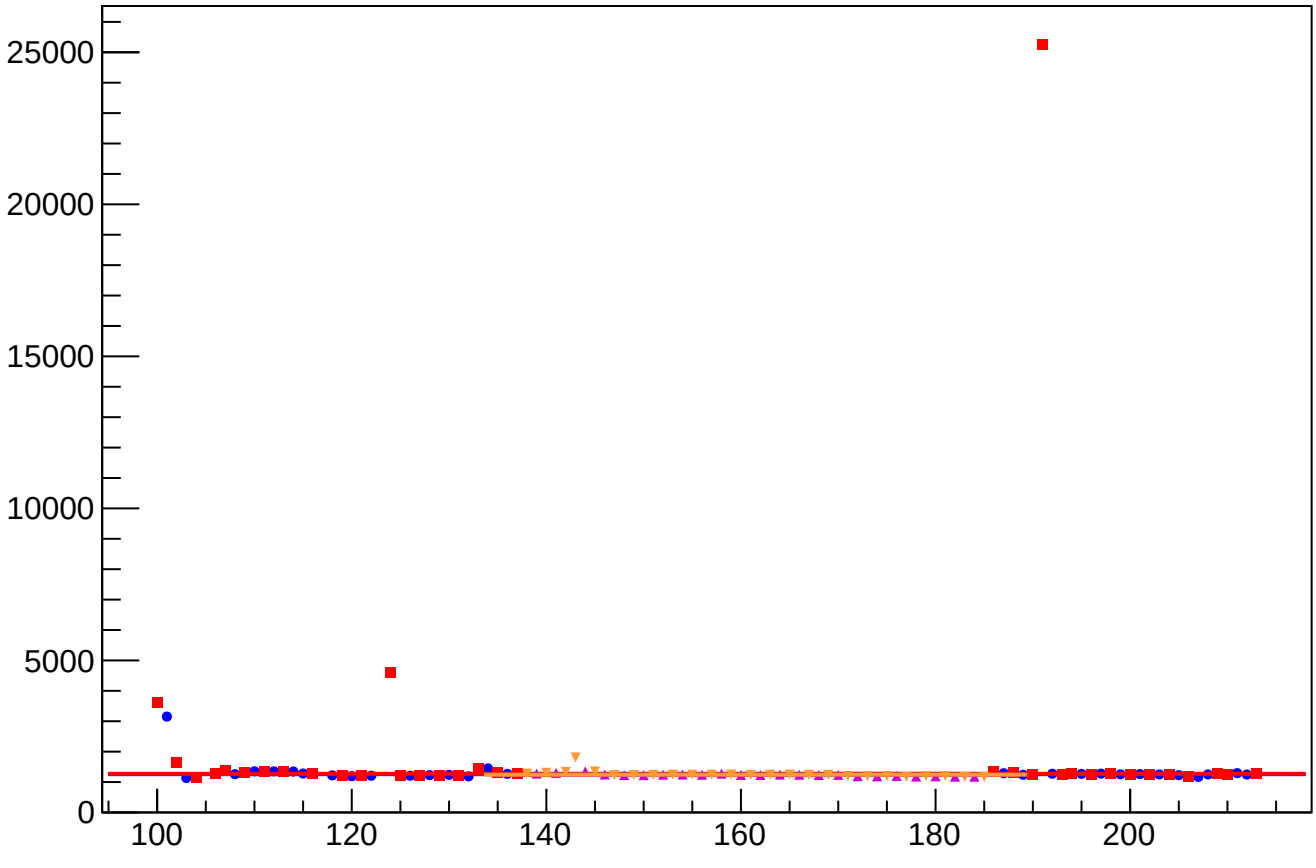
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -154.547+/-212.155 χ^2/NDF: 60.5/62

In: 101.548+/-209.142 χ^2/NDF:42.0/51

Out: -403.092+/-204.659 χ^2/NDF:54.3/58

All: -156.239+/-146.275 χ^2/NDF: 99.3/110



Right In: 1259.014+/-0.215 χ^2/NDF: 535193.4/28

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

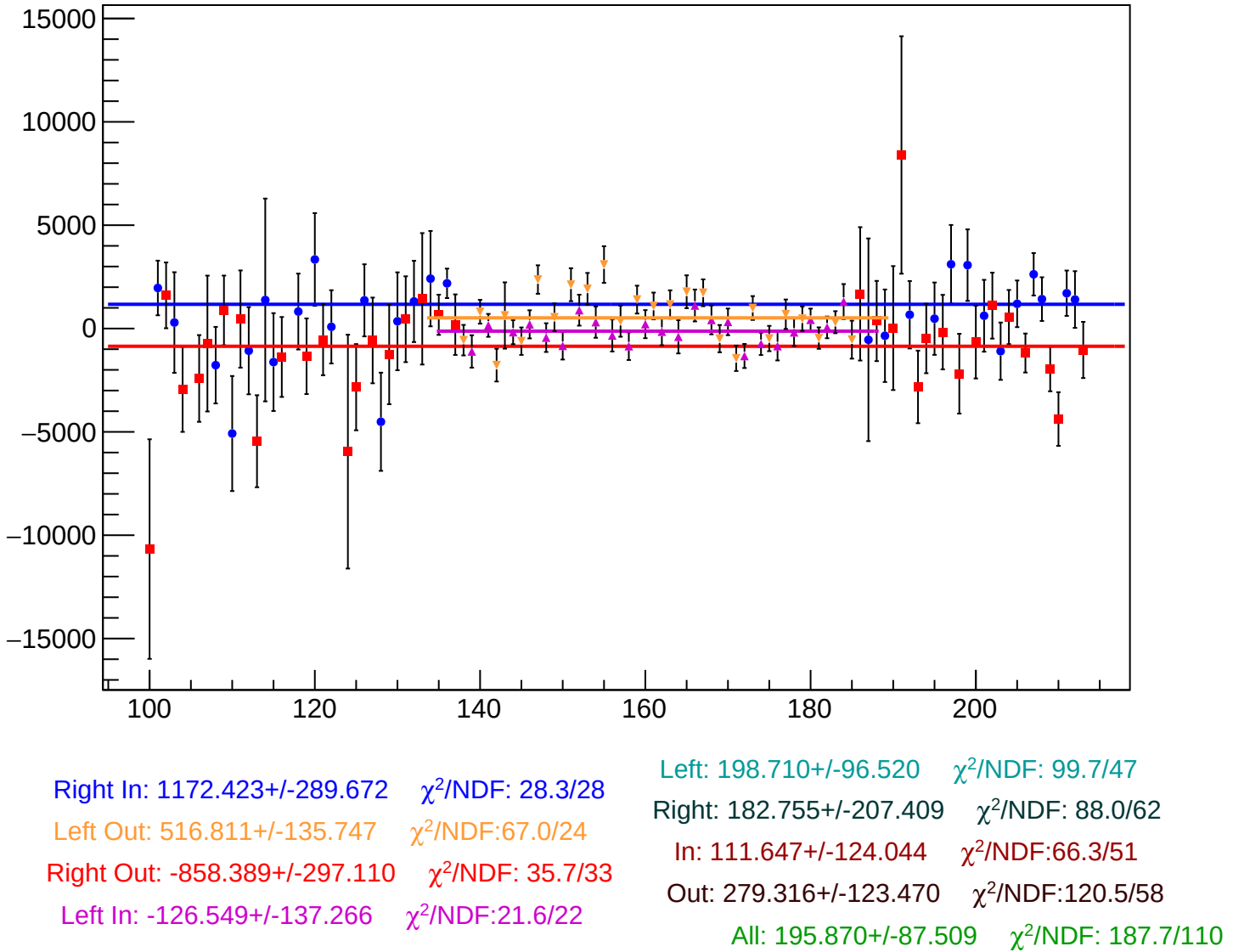
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

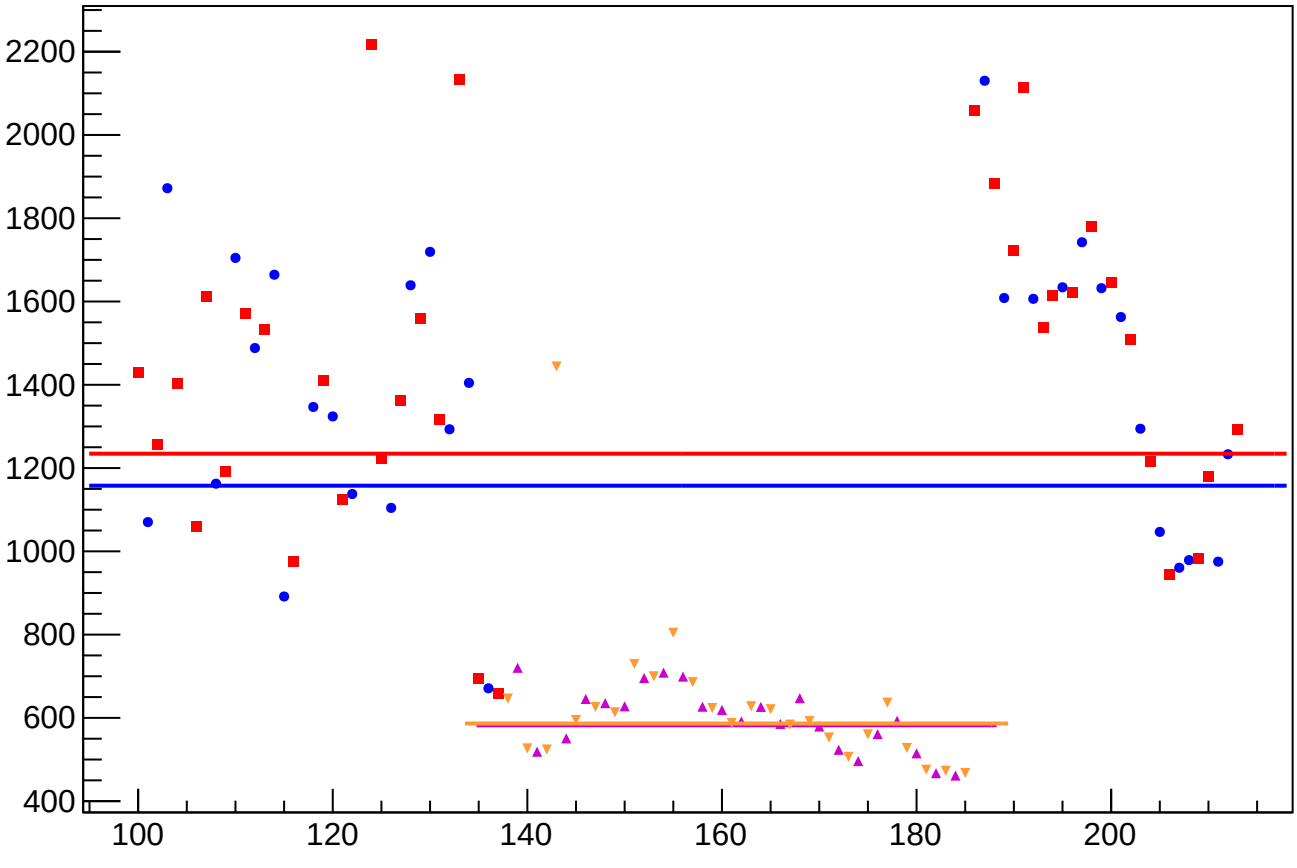
Right: 1265.273+/-0.150 χ^2/NDF: 1030686.2/62

In: 1245.712+/-0.148 χ^2/NDF:581749.1/51

Out: 1256.375+/-0.145 χ^2/NDF:706742.7/58

All: 1251.159+/-0.103 χ^2/NDF: 1291147.7/11


asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1172.423+/-289.672 χ²/NDF: 28.3/28
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: 182.755+/-207.409 χ²/NDF: 88.0/62
In: 111.647+/-124.044 χ²/NDF:66.3/51
Out: 279.316+/-123.470 χ²/NDF:120.5/58
All: 195.870+/-87.509 χ²/NDF: 187.7/110



Right In: 1157.642+/-0.205 χ^2/NDF: 2685791.4/28

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

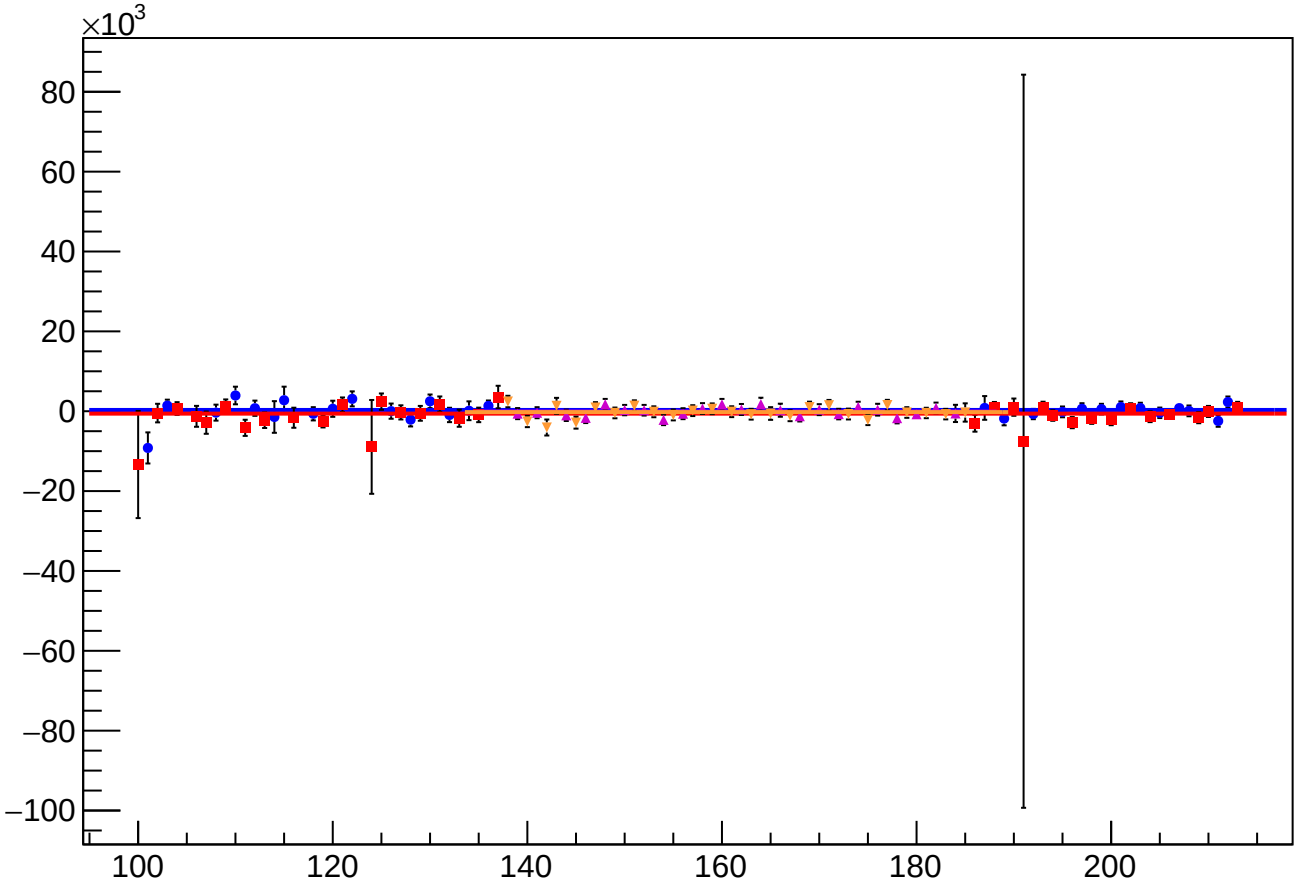
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1195.107+/-0.147 χ^2/NDF: 5489550.1/62

In: 687.711+/-0.088 χ^2/NDF:9690613.7/51

Out: 698.463+/-0.087 χ^2/NDF:11807506.6/58

All: 693.112+/-0.062 χ^2/NDF: 21505668.6/1



Right In: 317.335+/-303.954 χ^2/NDF: 26.3/28

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

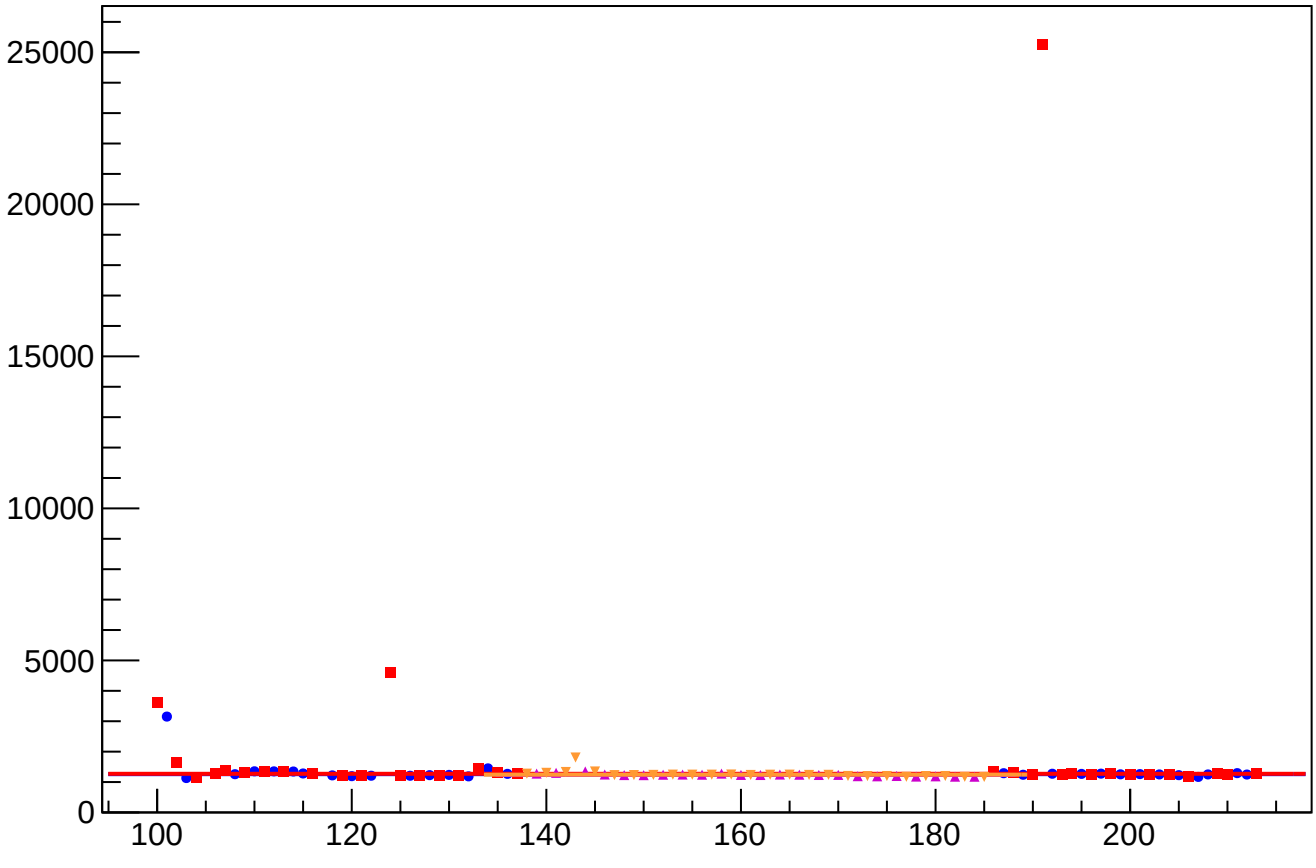
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -154.547+/-212.155 χ^2/NDF: 60.5/62

In: 101.548+/-209.142 χ^2/NDF:42.0/51

Out: -403.092+/-204.659 χ^2/NDF:54.3/58

All: -156.239+/-146.275 χ^2/NDF: 99.3/110



Right In: 1259.014+/-0.215 χ^2/NDF: 535193.4/28

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

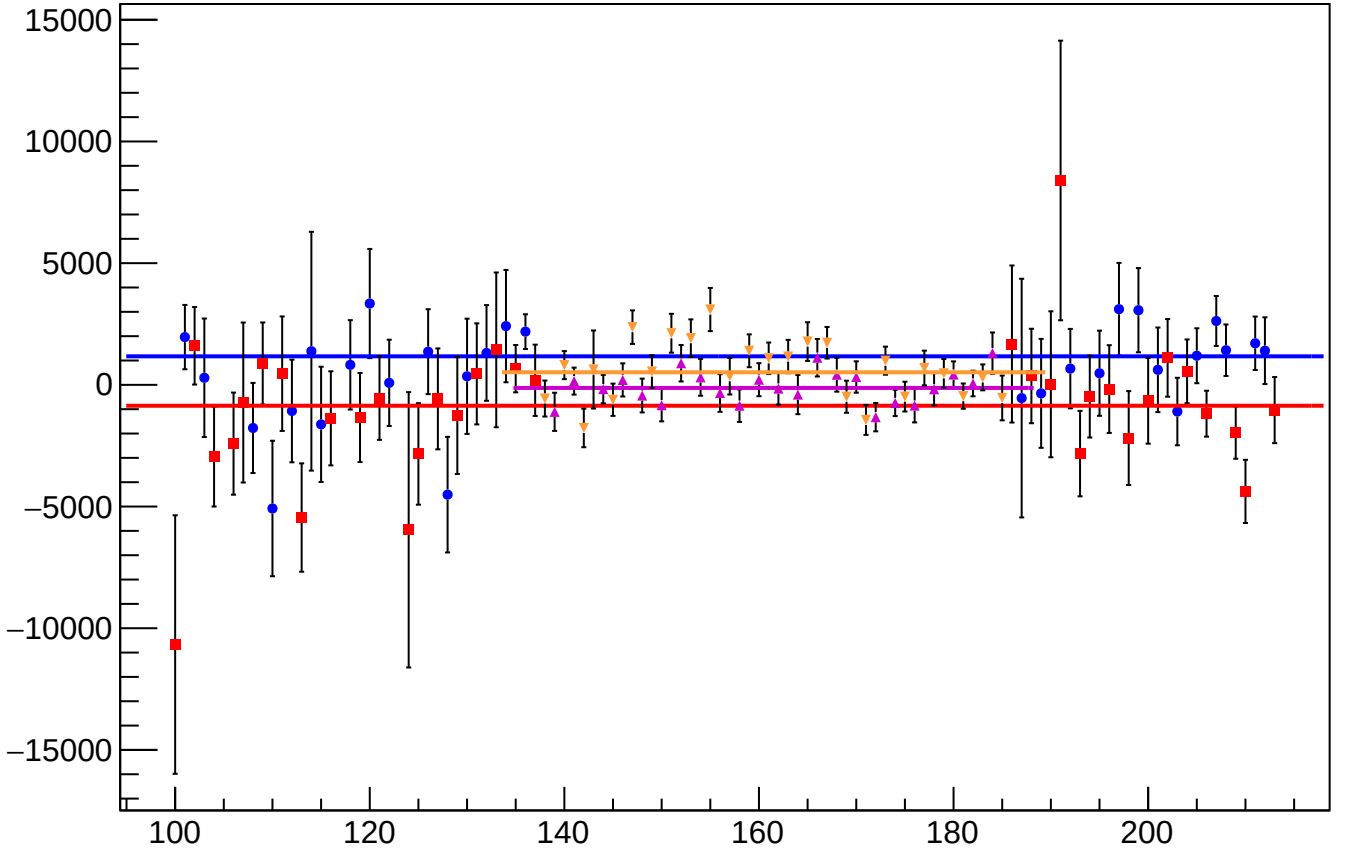
Right: 1265.273+/-0.150 χ^2/NDF: 1030686.2/62

In: 1245.712+/-0.148 χ^2/NDF:581749.1/51

Out: 1256.375+/-0.145 χ^2/NDF:706742.7/58

All: 1251.159+/-0.103 χ^2/NDF: 1291147.7/11

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1172.423+/-289.672 χ^2/NDF: 28.3/28

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

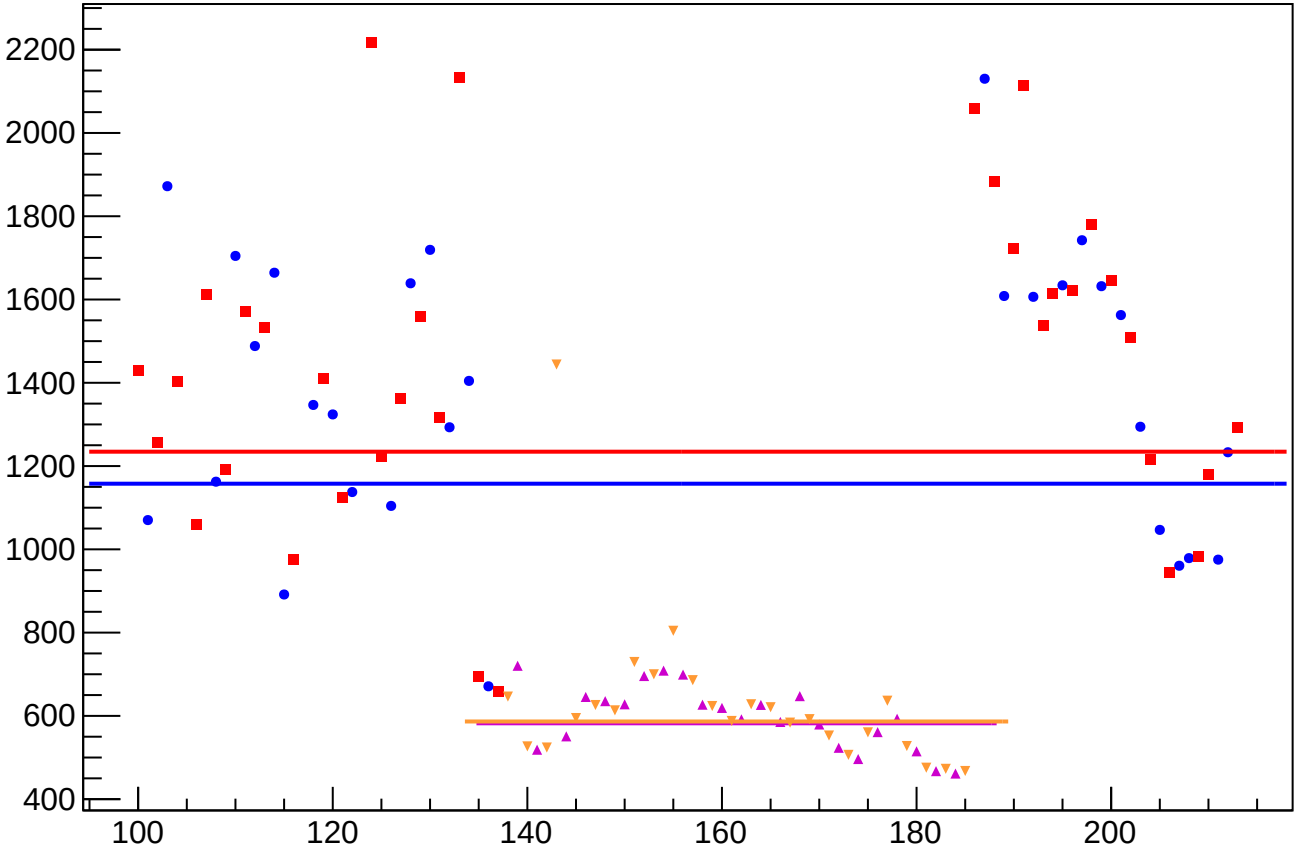
Right: 182.755+/-207.409 χ^2/NDF: 88.0/62

In: 111.647+/-124.044 χ^2/NDF:66.3/51

Out: 279.316+/-123.470 χ^2/NDF:120.5/58

All: 195.870+/-87.509 χ^2/NDF: 187.7/110

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1157.642+/-0.205 χ^2/NDF: 2685791.4/28

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

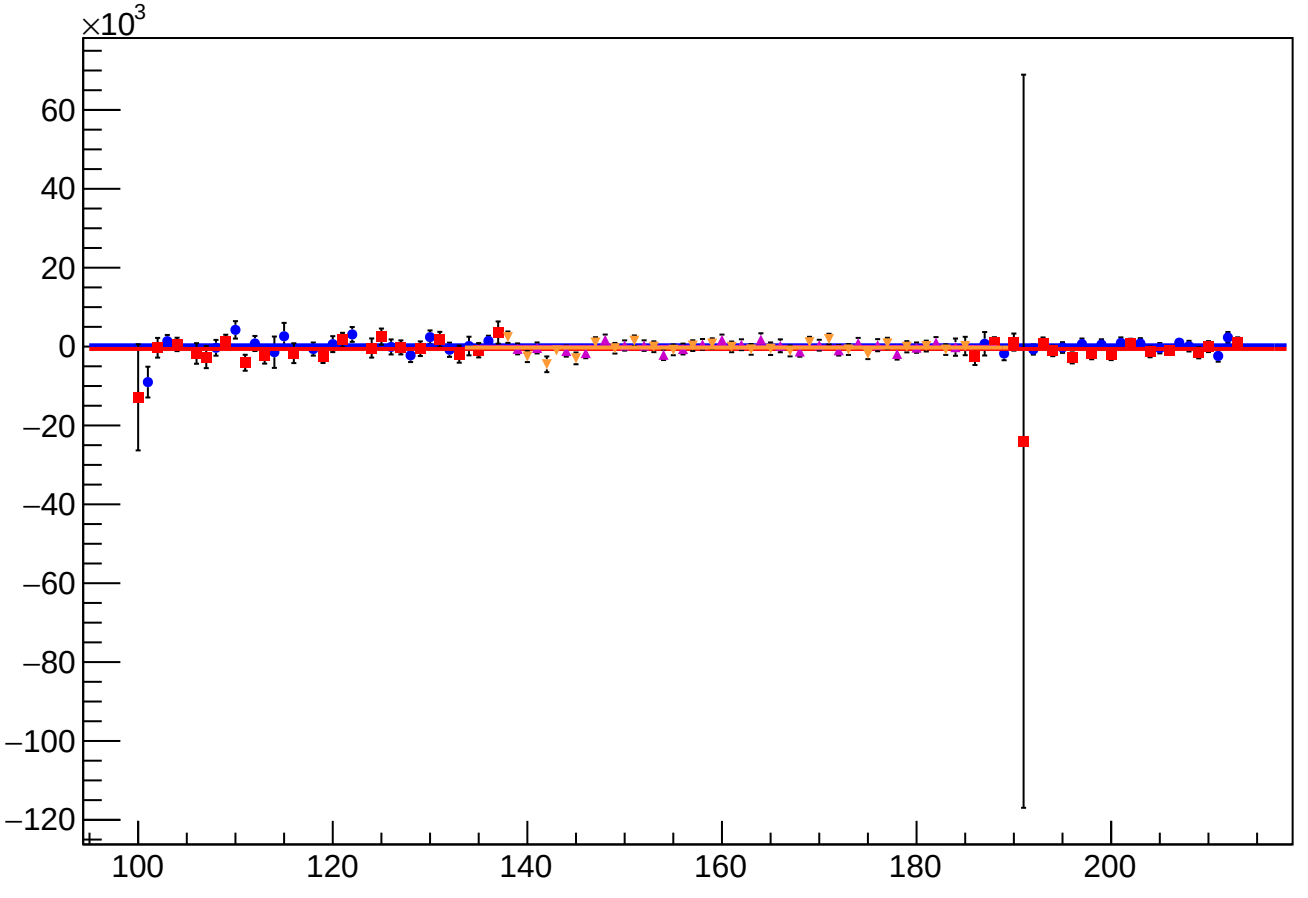
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1195.107+/-0.147 χ^2/NDF: 5489550.1/62

In: 687.711+/-0.088 χ^2/NDF:9690613.7/51

Out: 698.463+/-0.087 χ^2/NDF:11807506.6/58

All: 693.112+/-0.062 χ^2/NDF: 21505668.6/1



Right In: 323.605+/-304.934 χ^2/NDF: 26.3/28

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

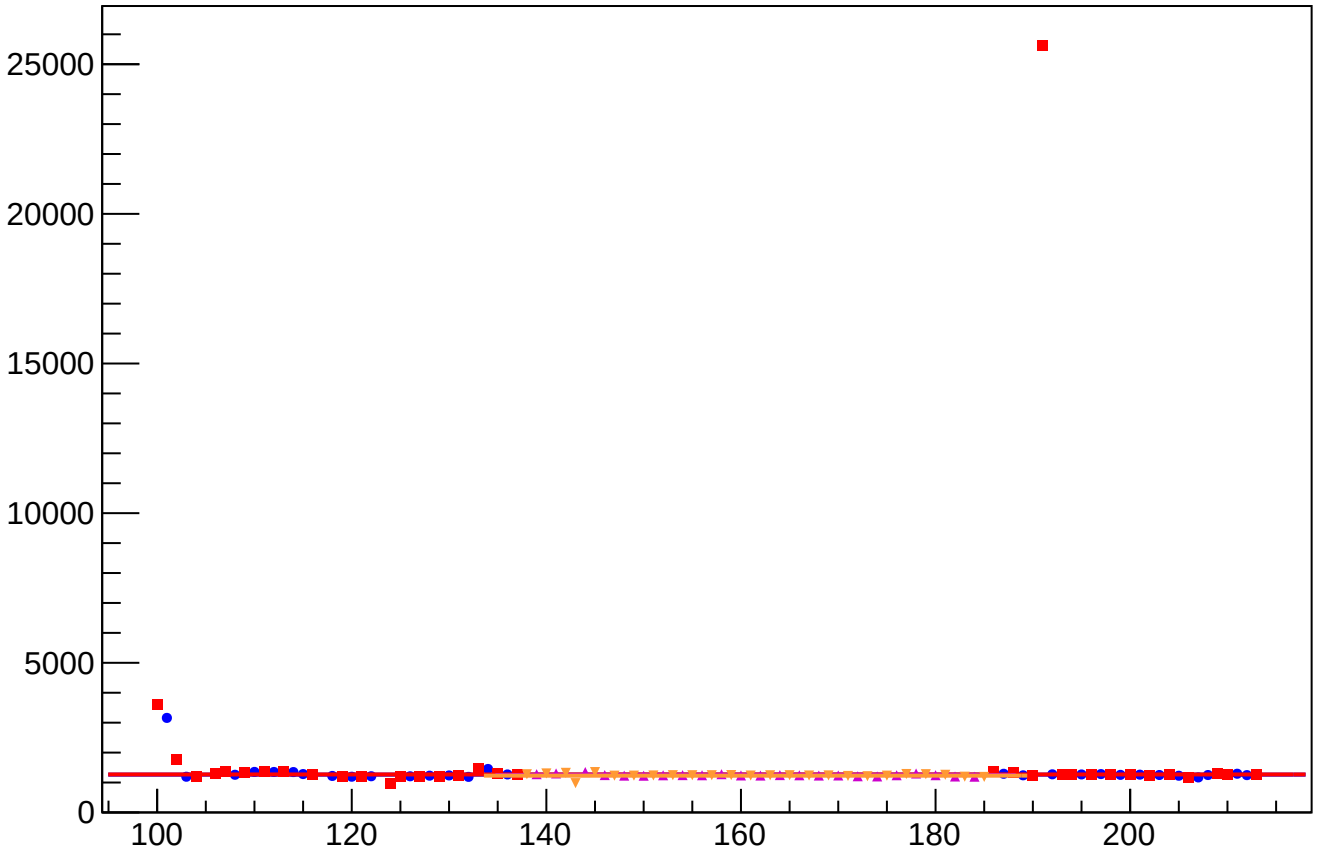
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -152.840+/-212.235 χ^2/NDF: 60.0/62

In: 115.362+/-210.695 χ^2/NDF:41.2/51

Out: -416.166+/-203.243 χ^2/NDF:53.8/58

All: -159.967+/-146.278 χ^2/NDF: 98.3/110



Right In: 1263.241+/-0.216 χ^2/NDF: 525121.0/28

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

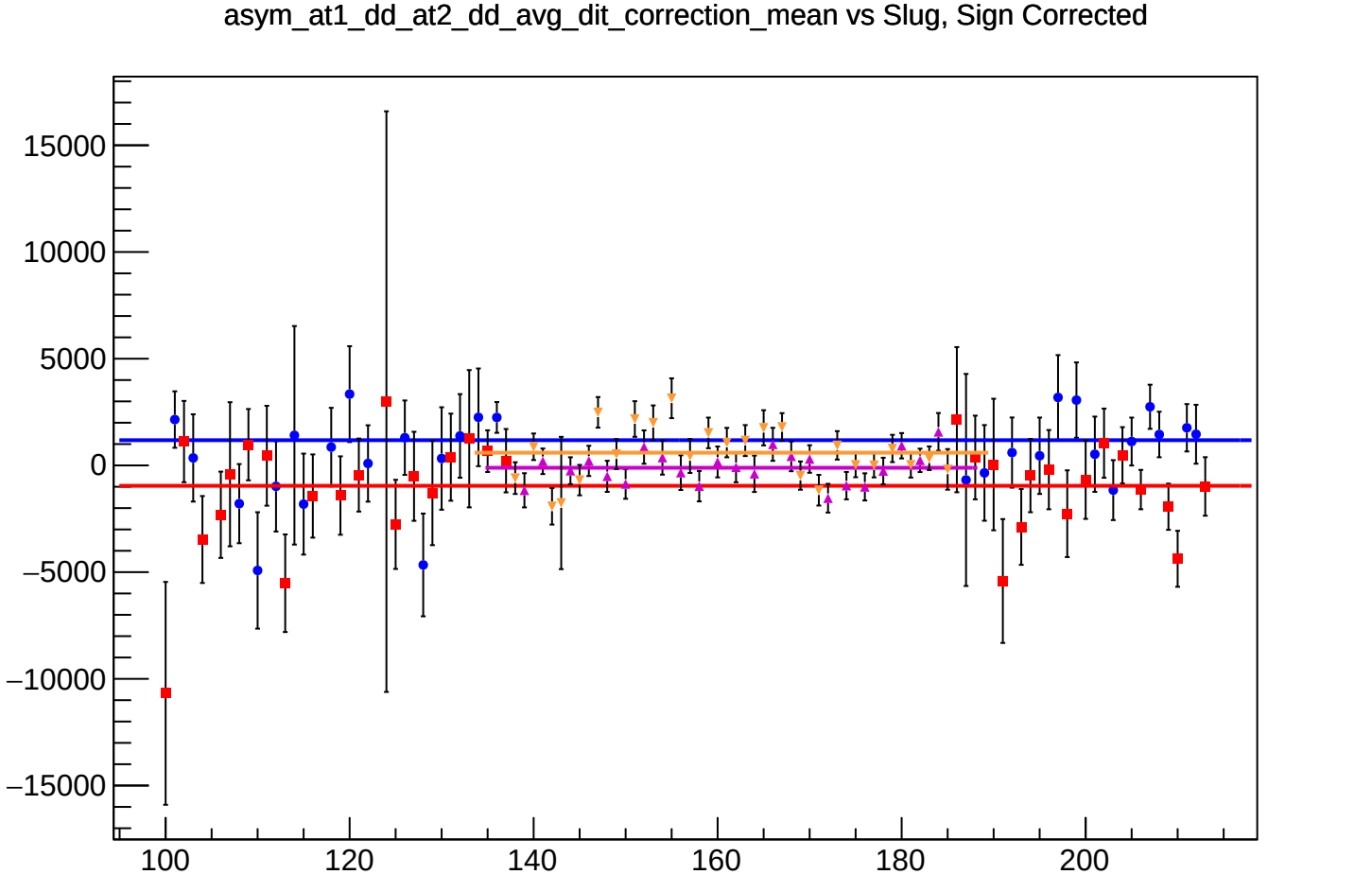
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

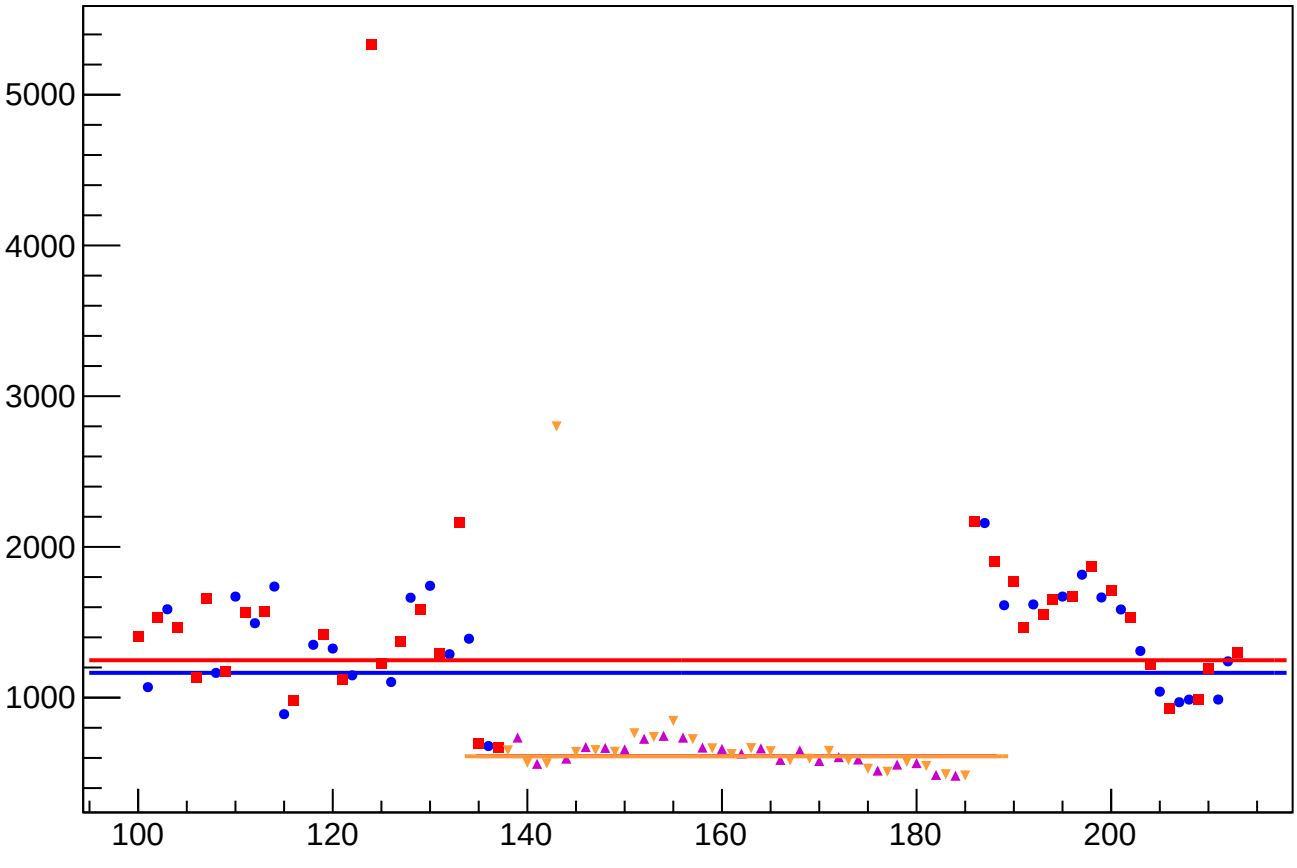
Right: 1266.635+/-0.150 χ^2/NDF: 910703.6/62

In: 1255.164+/-0.149 χ^2/NDF:555146.9/51

Out: 1248.822+/-0.144 χ^2/NDF:545862.1/58

All: 1251.879+/-0.103 χ^2/NDF: 1101947.6/11


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: 1181.636+/-291.106 χ²/NDF: 29.3/28
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: 143.534+/-208.765 χ²/NDF: 89.2/62
In: 144.378+/-129.239 χ²/NDF:70.9/51
Out: 310.049+/-128.409 χ²/NDF:112.9/58
All: 227.747+/-91.091 χ²/NDF: 184.6/110



Right In: 1164.609+/-0.206 χ^2/NDF: 2624929.2/28

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

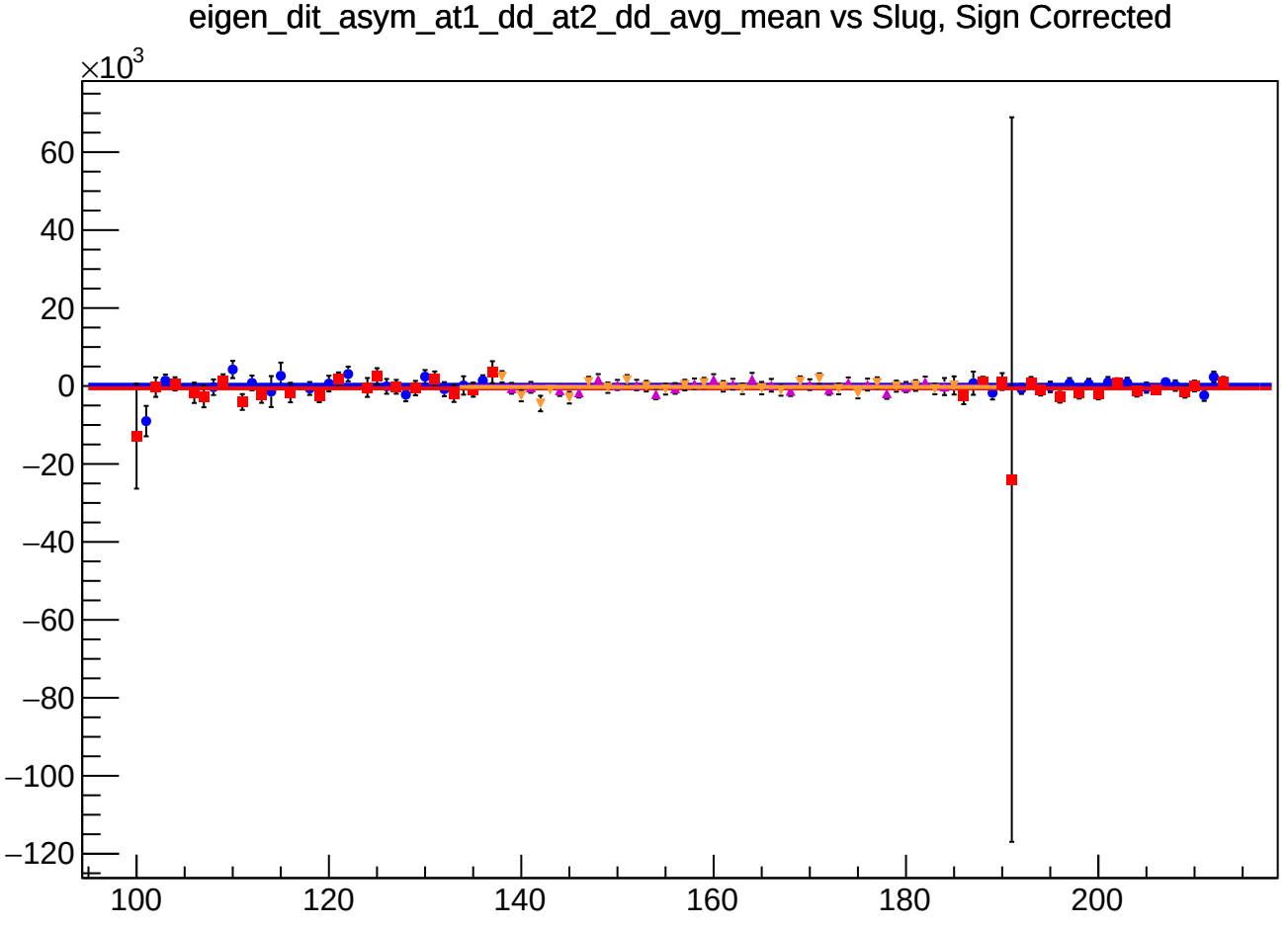
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1205.187+/-0.148 χ^2/NDF: 5735826.2/62

In: 721.239+/-0.091 χ^2/NDF:8911781.9/51

Out: 728.153+/-0.091 χ^2/NDF:12033909.7/58

All: 724.718+/-0.064 χ^2/NDF: 20948572.3/1



Right In: 323.603+/-304.934 χ^2/NDF: 26.3/28

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

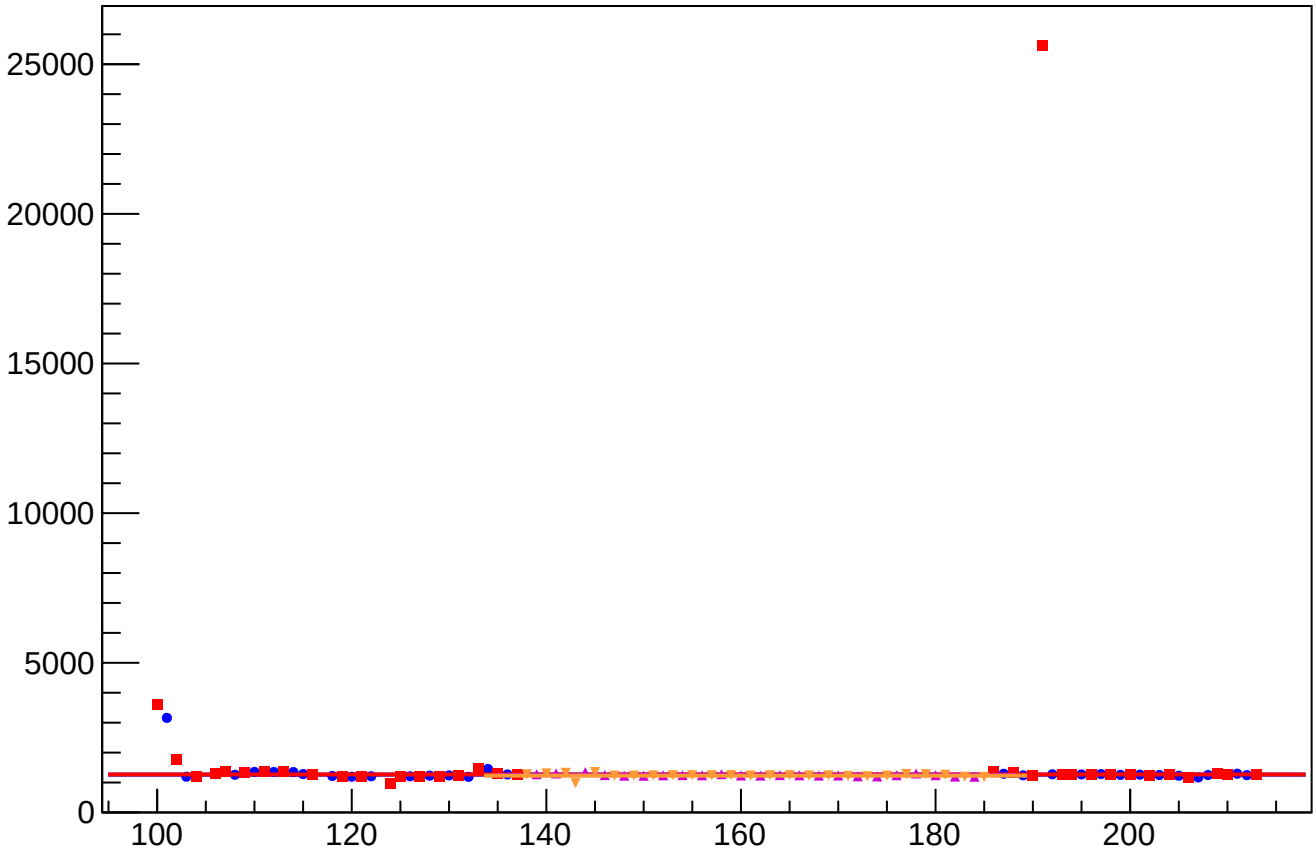
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -152.841+/-212.235 χ^2/NDF: 60.0/62

In: 115.361+/-210.695 χ^2/NDF:41.2/51

Out: -416.166+/-203.243 χ^2/NDF:53.8/58

All: -159.968+/-146.278 χ^2/NDF: 98.3/110



Right In: 1263.241+/-0.216 χ^2/NDF: 525121.1/28

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

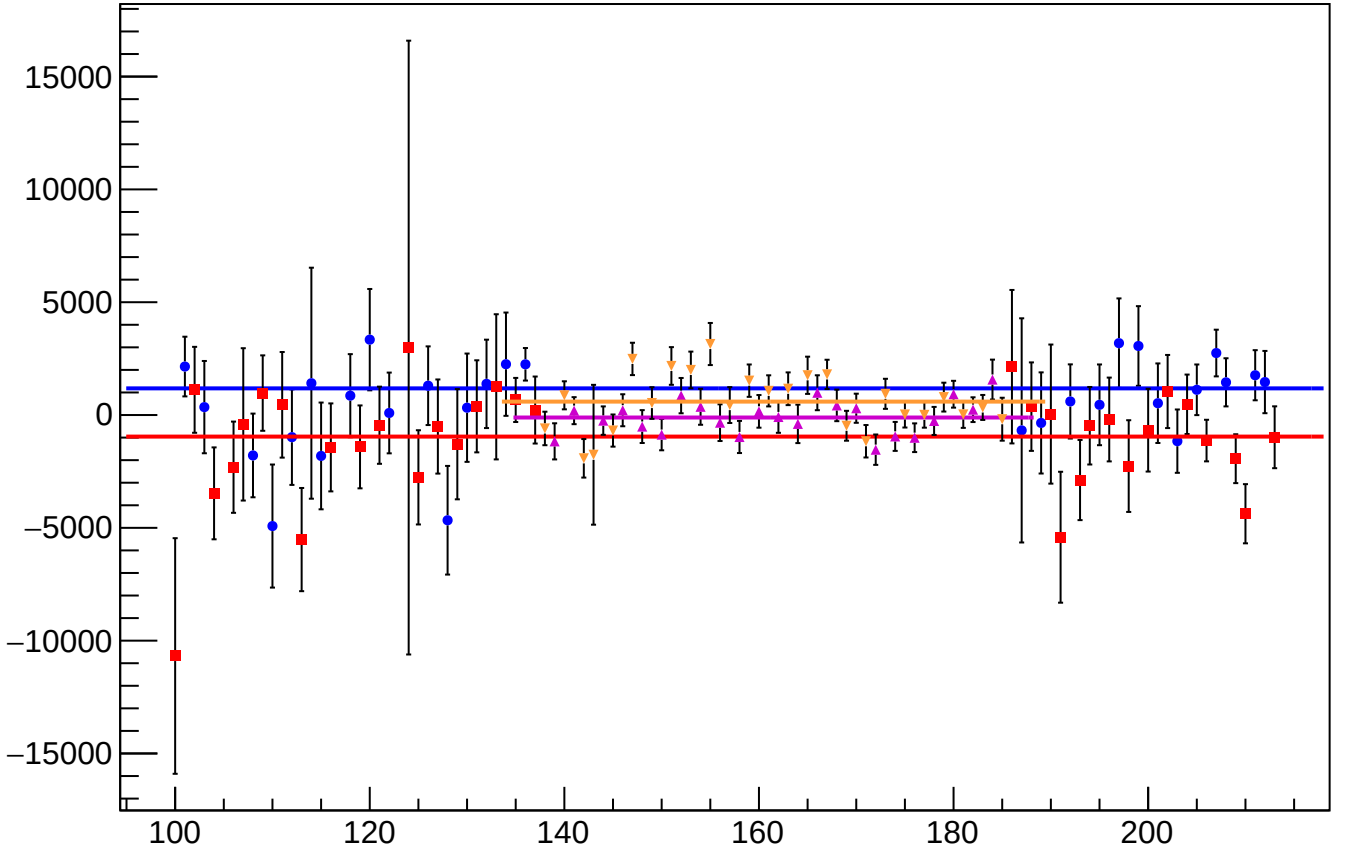
Right: 1266.635+/-0.150 χ^2/NDF: 910703.5/62

In: 1255.164+/-0.149 χ^2/NDF:555146.9/51

Out: 1248.822+/-0.144 χ^2/NDF:545861.0/58

All: 1251.879+/-0.103 χ^2/NDF: 1101946.5/11

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1181.634+/-291.106 χ^2/NDF: 29.3/28

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

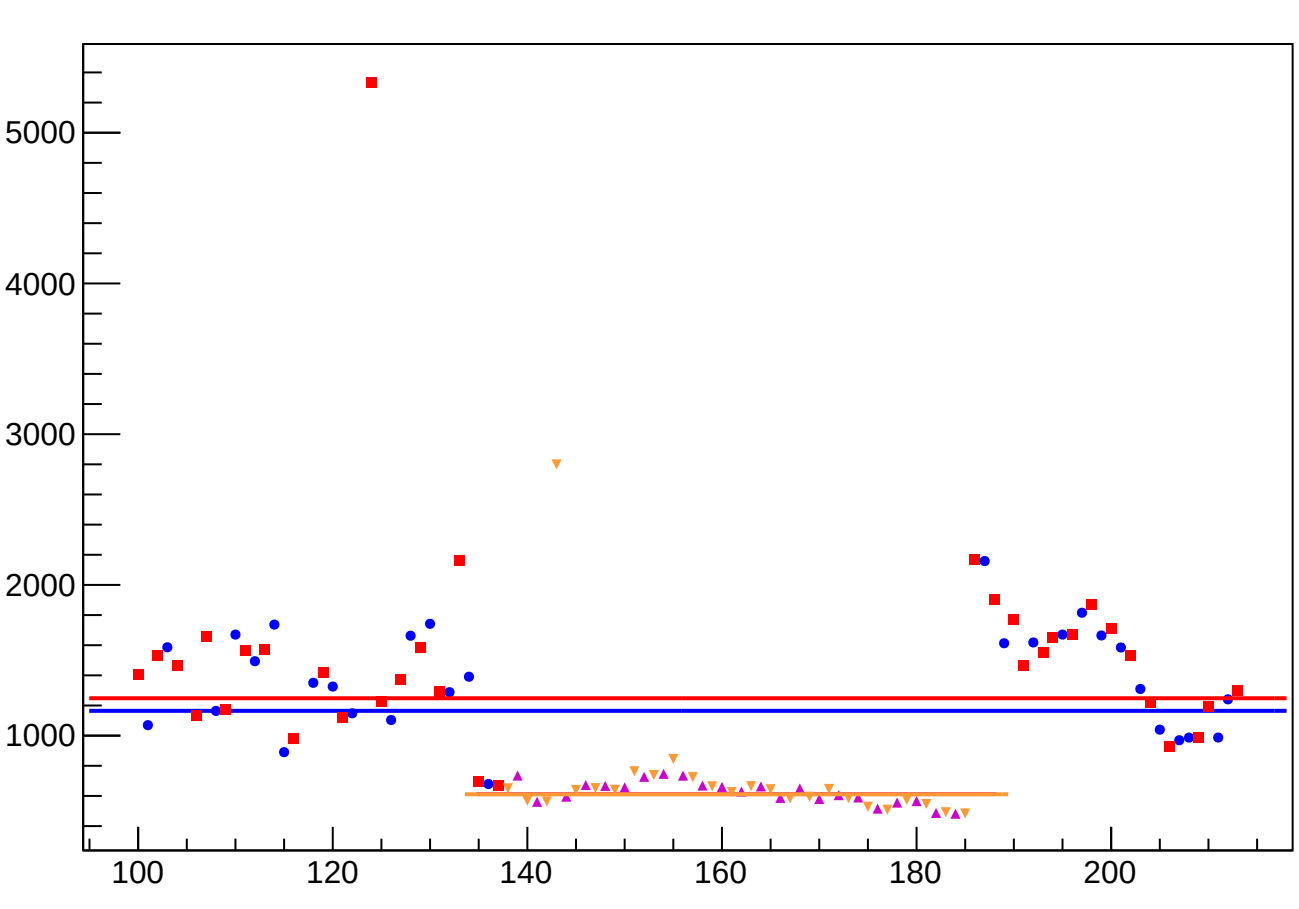
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 143.531+/-208.766 χ^2/NDF: 89.2/62

In: 144.377+/-129.239 χ^2/NDF:70.9/51

Out: 310.049+/-128.409 χ^2/NDF:112.9/58

All: 227.747+/-91.091 χ^2/NDF: 184.6/110



Right In: 1164.610+/-0.206 χ^2/NDF: 2624871.4/28

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

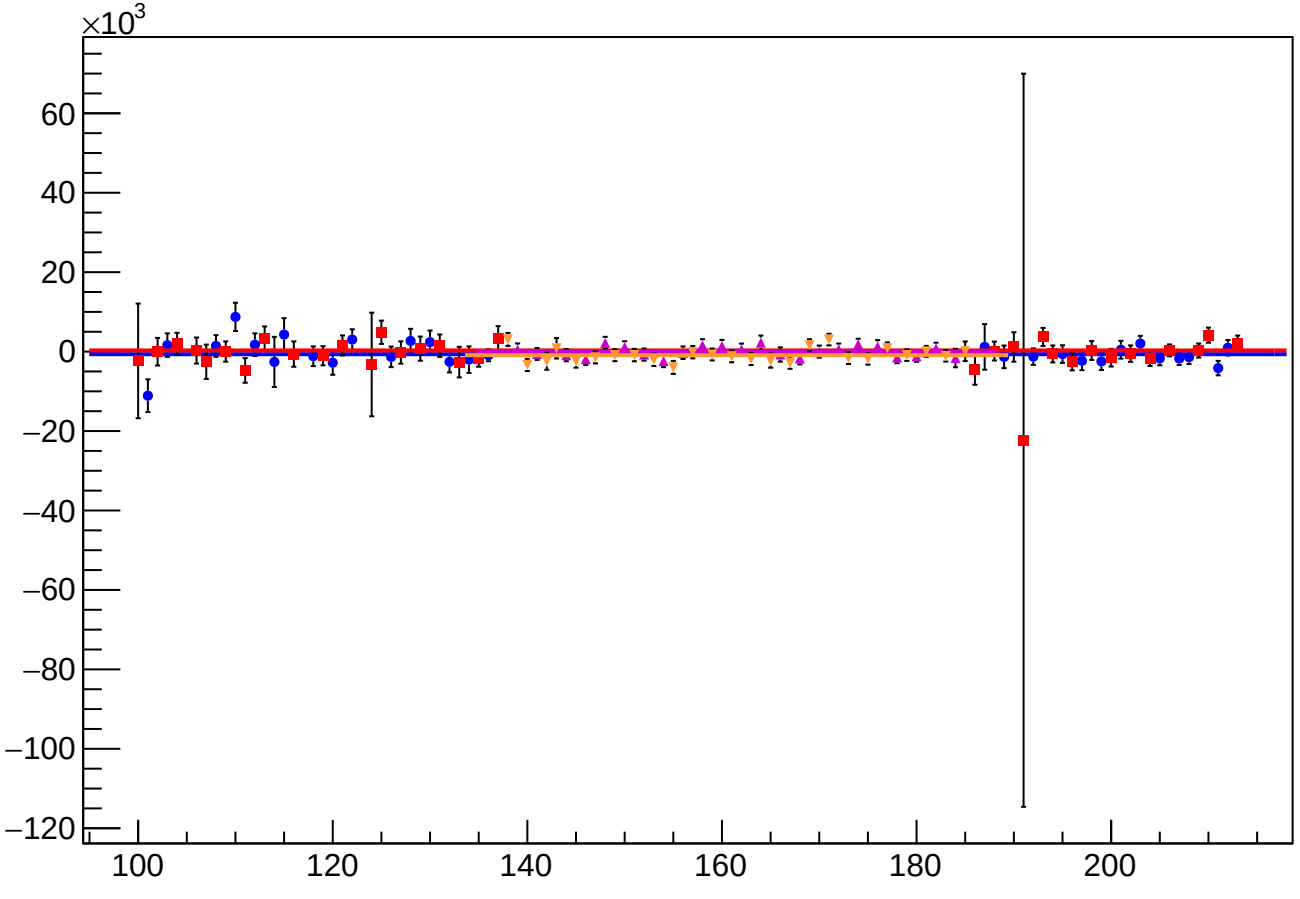
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1205.189+/-0.148 χ^2/NDF: 5735713.6/62

In: 721.238+/-0.091 χ^2/NDF:8911769.8/51

Out: 728.153+/-0.091 χ^2/NDF:12033901.6/58

All: 724.718+/-0.064 χ^2/NDF: 20948552.5/1



Right In: -653.176+/-442.464 χ^2/NDF: 31.5/28

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

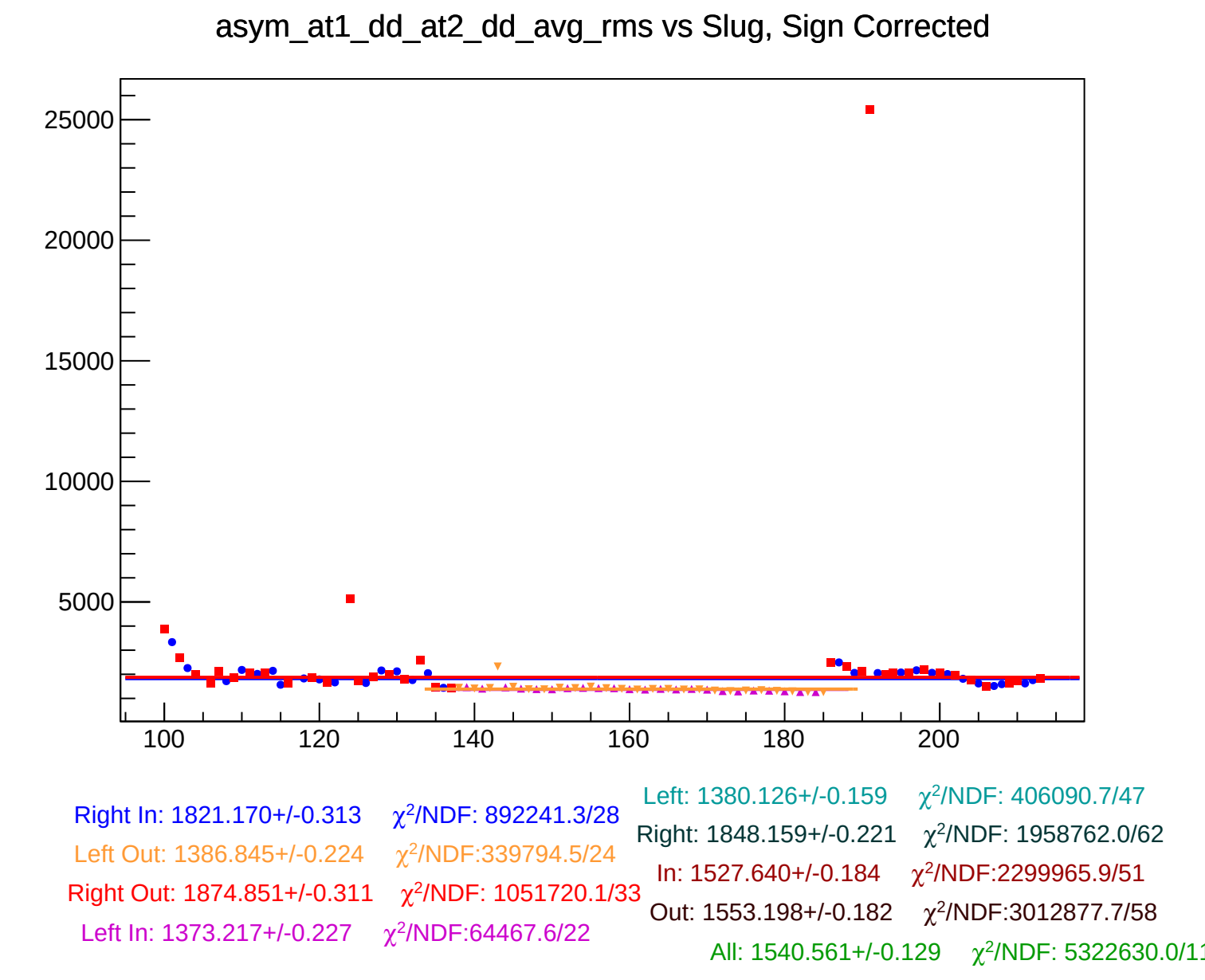
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

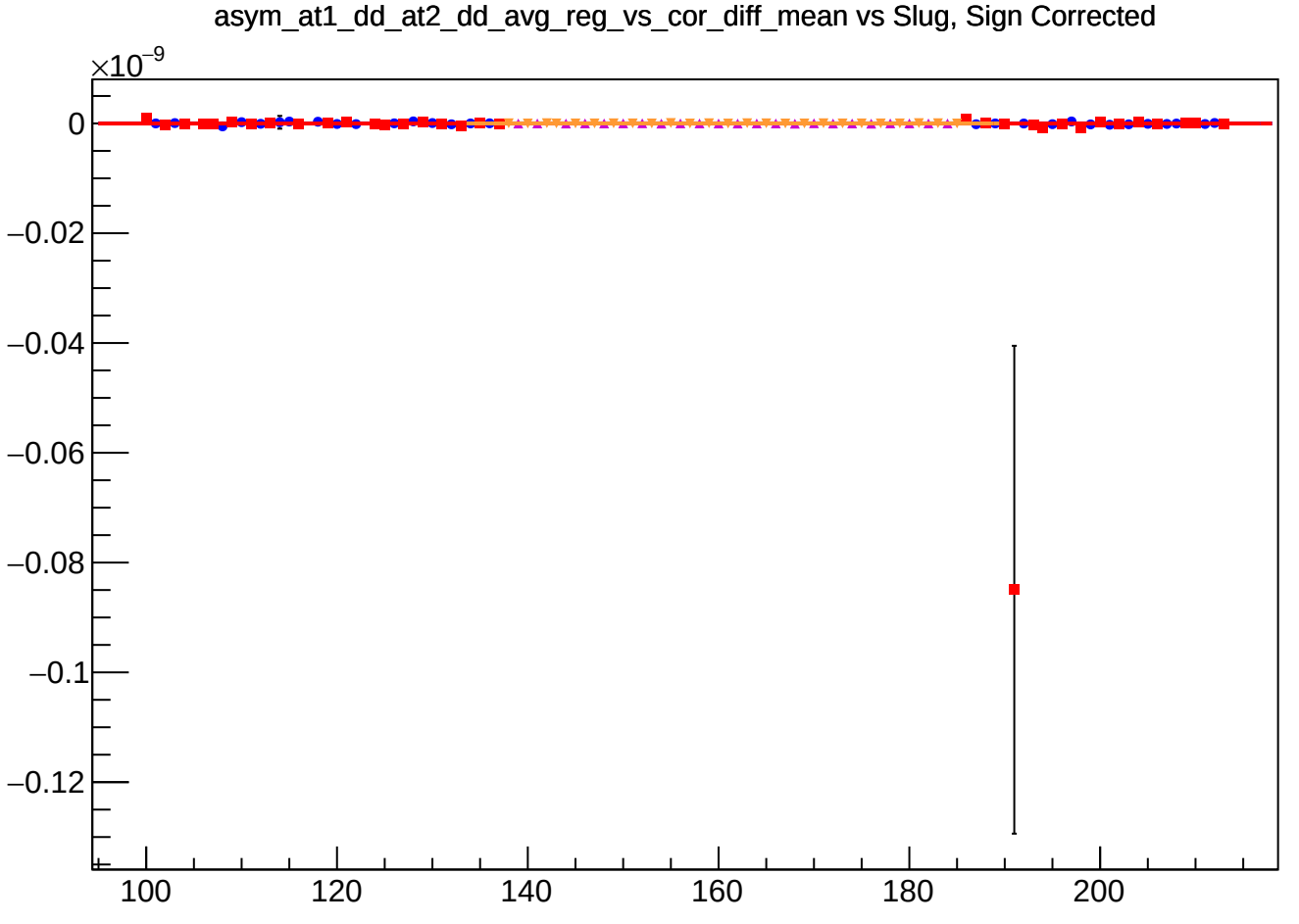
Right: -173.606+/-312.006 χ^2/NDF: 56.6/62

In: -193.601+/-259.788 χ^2/NDF:51.0/51

Out: -490.632+/-256.913 χ^2/NDF:57.5/58

All: -343.769+/-182.673 χ^2/NDF: 109.1/110


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 1821.170+/-0.313 χ²/NDF: 892241.3/28
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: 1848.159+/-0.221 χ²/NDF: 1958762.0/62
In: 1527.640+/-0.184 χ²/NDF:2299965.9/51
Out: 1553.198+/-0.182 χ²/NDF:3012877.7/58
All: 1540.561+/-0.129 χ²/NDF: 5322630.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 24.9/28

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

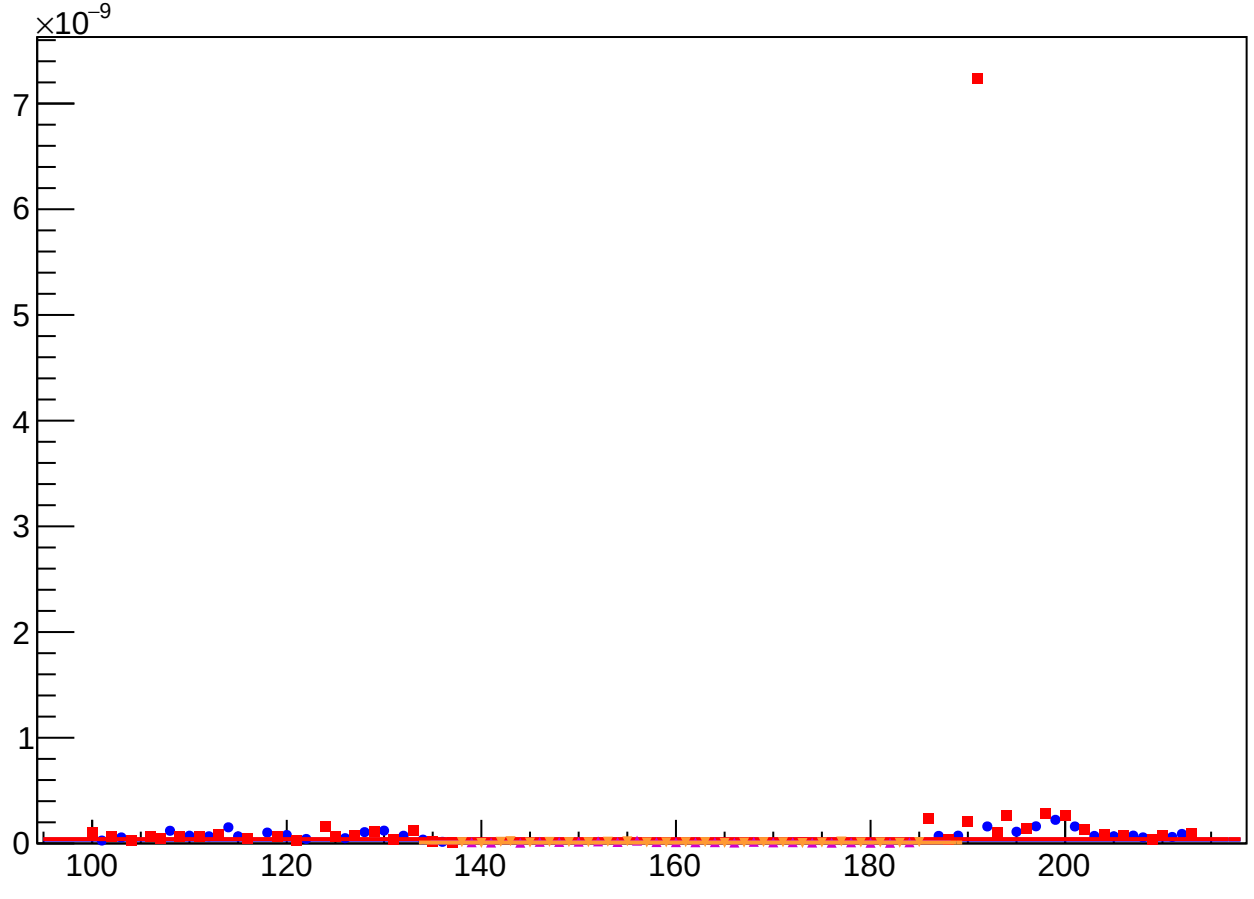
Right: -0.000+/-0.000 χ^2/NDF: 74.5/62

In: 0.000+/-0.000 χ^2/NDF:38.4/51

Out: 0.000+/-0.000 χ^2/NDF:74.6/58

All: 0.000+/-0.000 χ^2/NDF: 113.1/110

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6474570.0/28

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

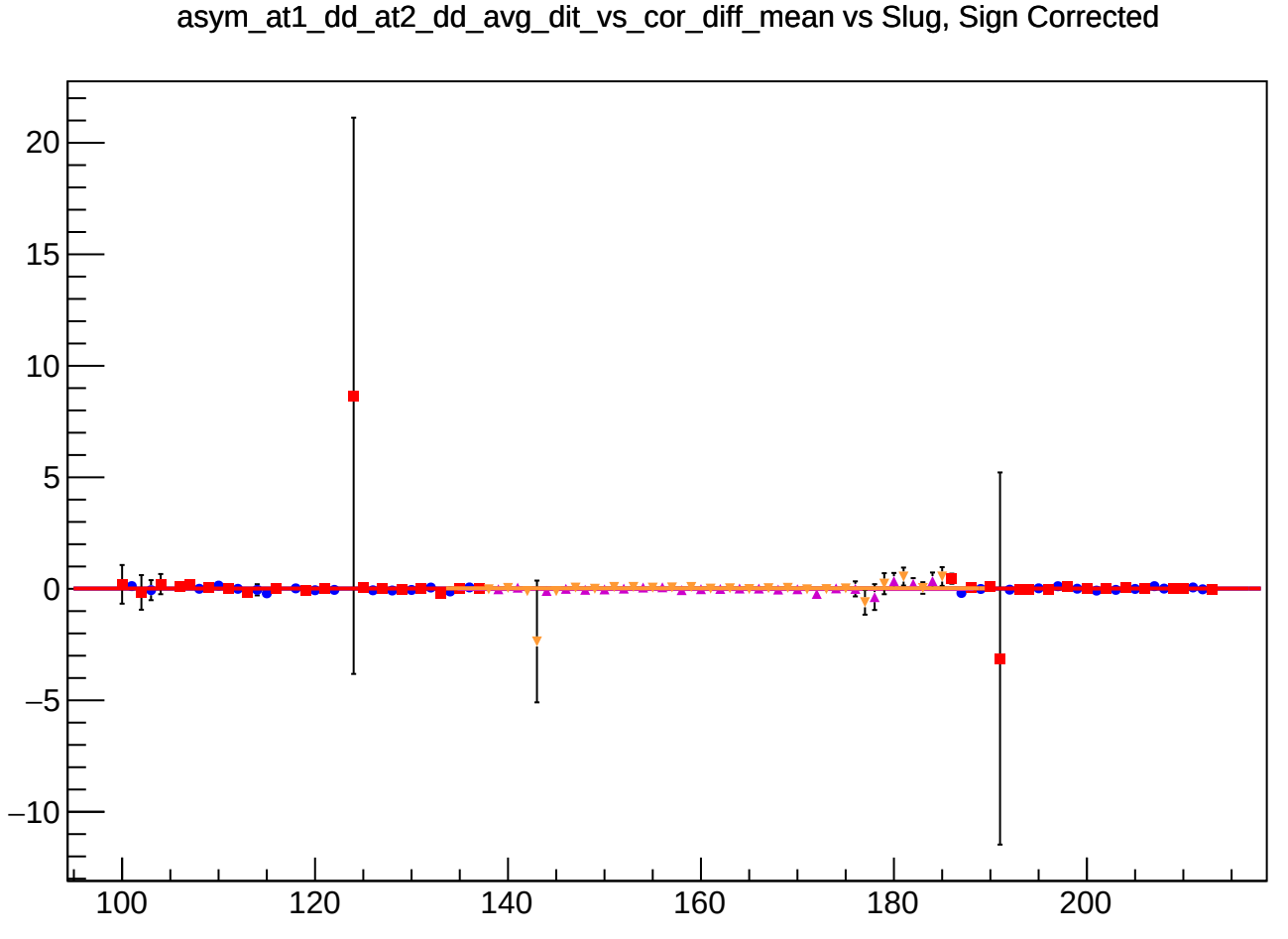
Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13462079.5/62

In: 0.000+/-0.000 χ^2/NDF:11893579.8/51

Out: 0.000+/-0.000 χ^2/NDF:14676537.2/58

All: 0.000+/-0.000 χ^2/NDF: 26884428.4/110



Right In: 0.010+/-0.009 χ^2/NDF: 45.0/28

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

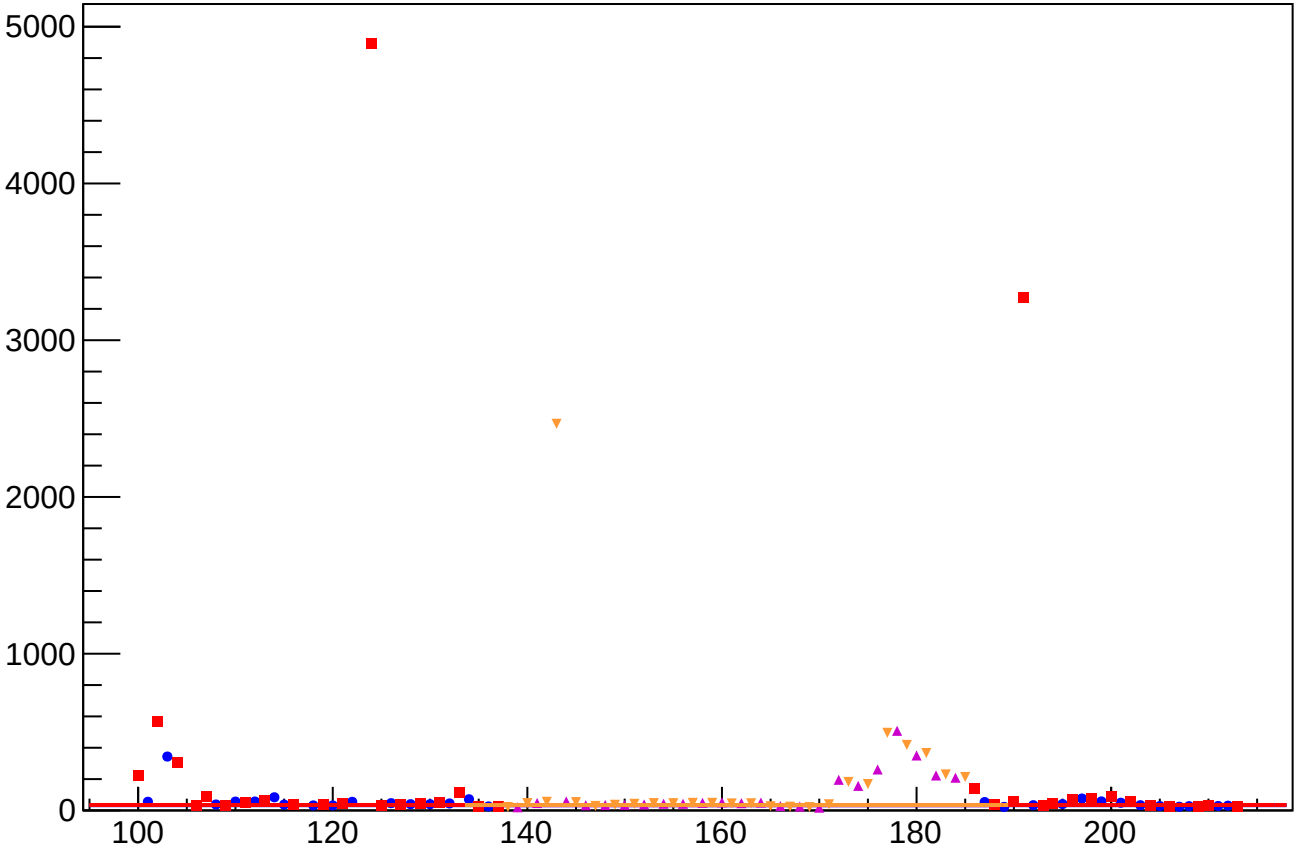
Right: 0.012+/-0.007 χ^2/NDF: 69.1/62

In: 0.001+/-0.007 χ^2/NDF:62.0/51

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.4/110

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.604+/-0.007 χ^2/NDF: 3626490.9/28

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

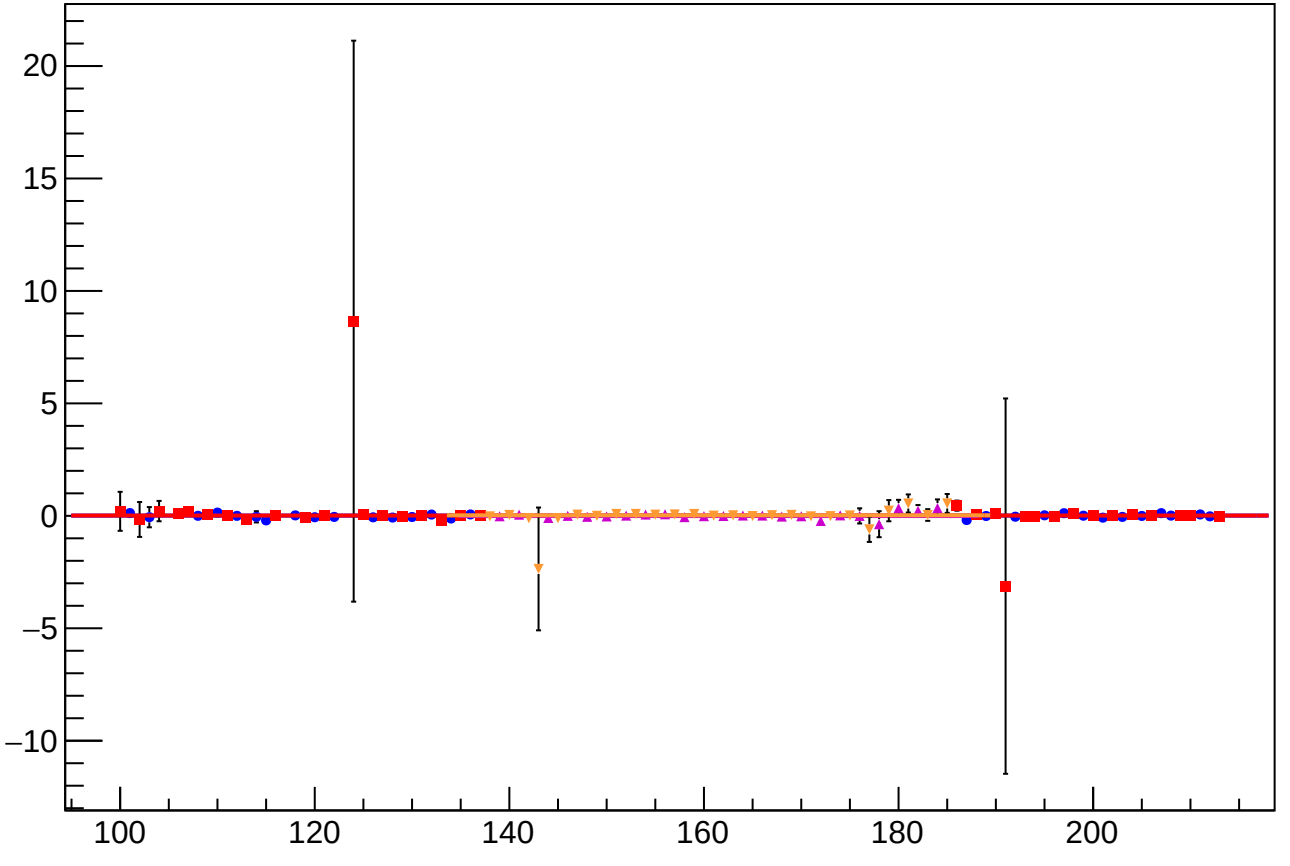
Right: 34.200+/-0.005 χ^2/NDF: 10127570.6/62

In: 33.599+/-0.005 χ^2/NDF:13693958.8/51

Out: 34.737+/-0.005 χ^2/NDF:17887051.2/58

All: 34.150+/-0.003 χ^2/NDF: 31608199.2/110

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.009 χ^2/NDF: 45.0/28

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

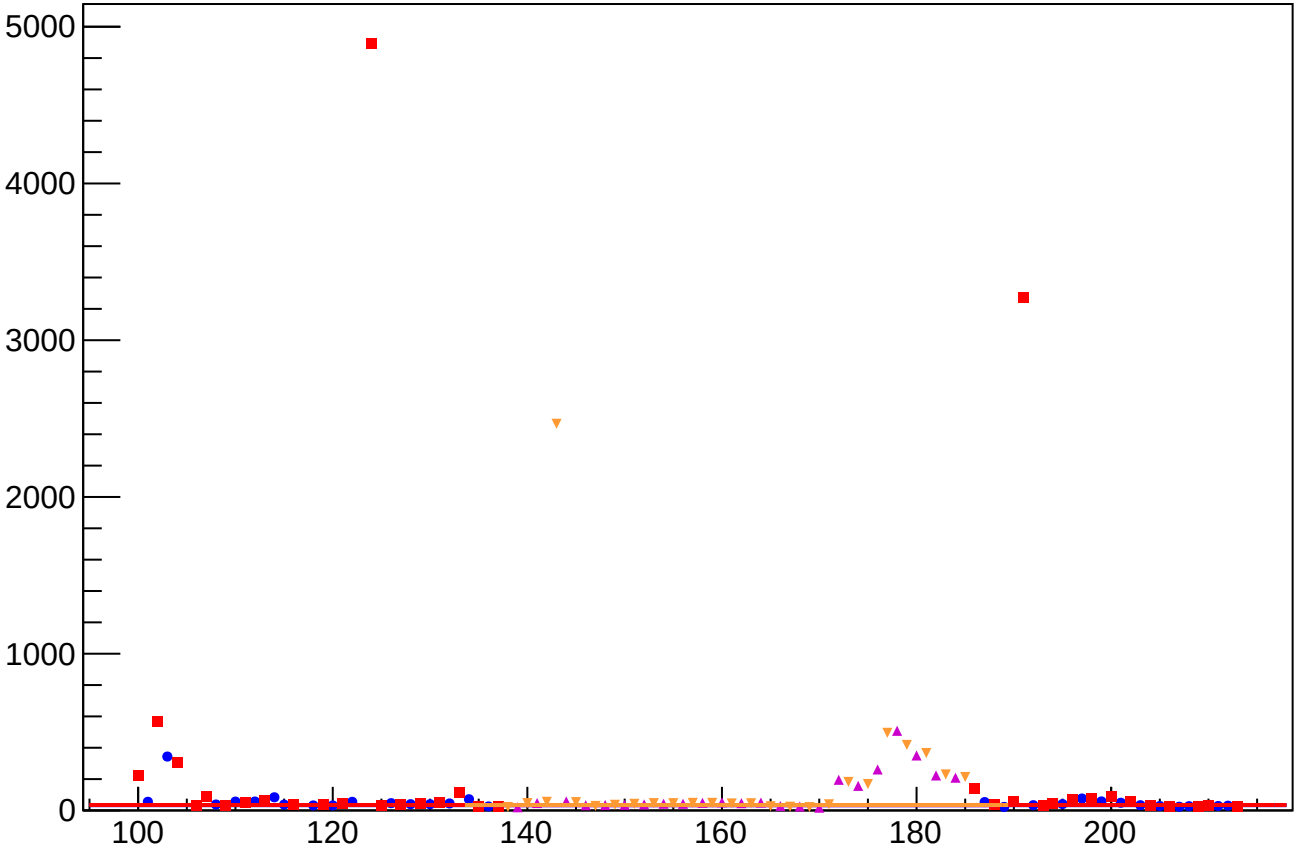
Right: 0.012+/-0.007 χ^2/NDF: 69.1/62

In: 0.001+/-0.007 χ^2/NDF:62.0/51

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.4/110

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.604+/-0.007 χ^2/NDF: 3626490.9/28

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

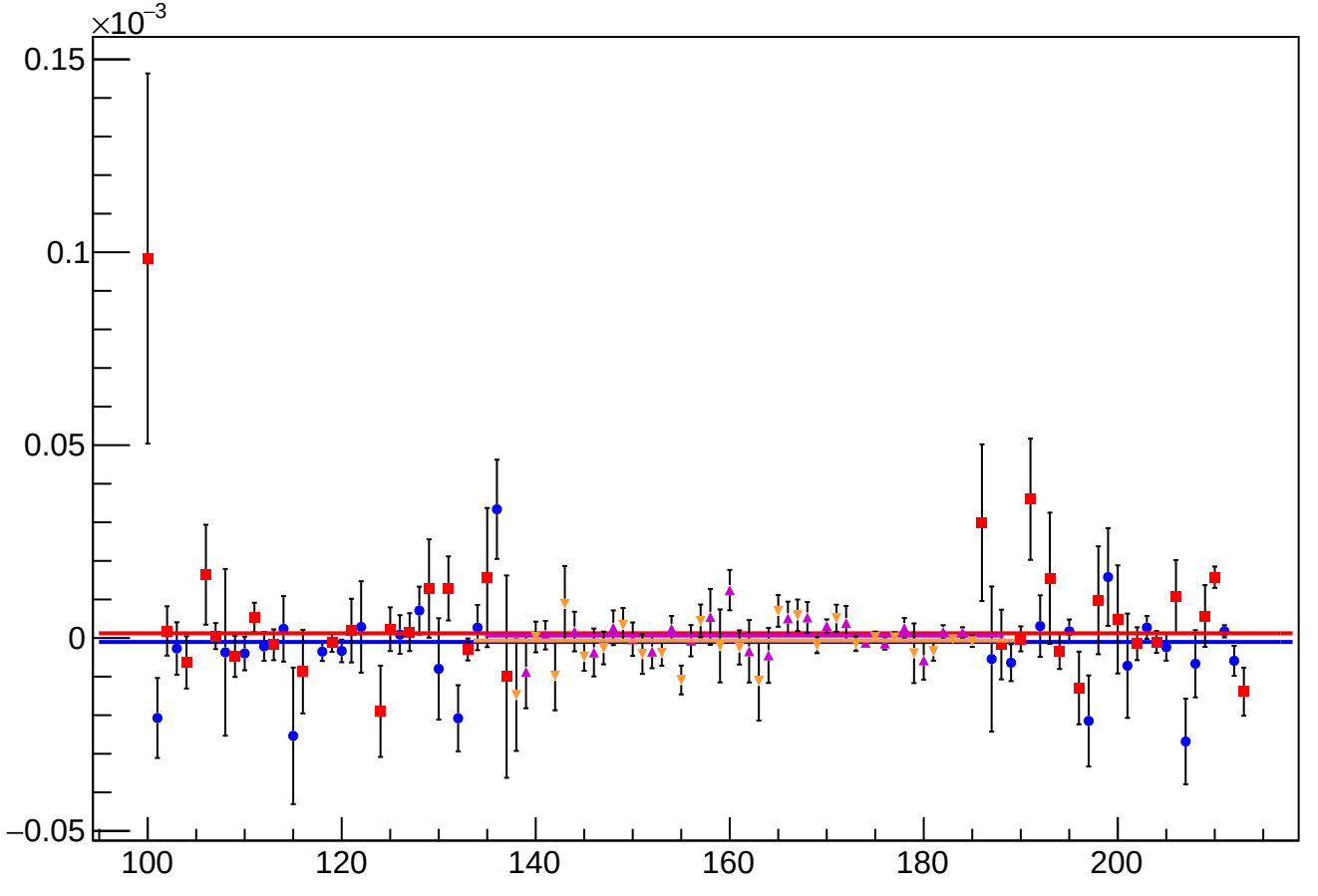
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 34.200+/-0.005 χ^2/NDF: 10127570.6/62

In: 33.599+/-0.005 χ^2/NDF:13693958.8/51

Out: 34.737+/-0.005 χ^2/NDF:17887051.2/58

All: 34.150+/-0.003 χ^2/NDF: 31608199.2/110



Right In: -0.000+/-0.000 χ^2/NDF: 42.8/28

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

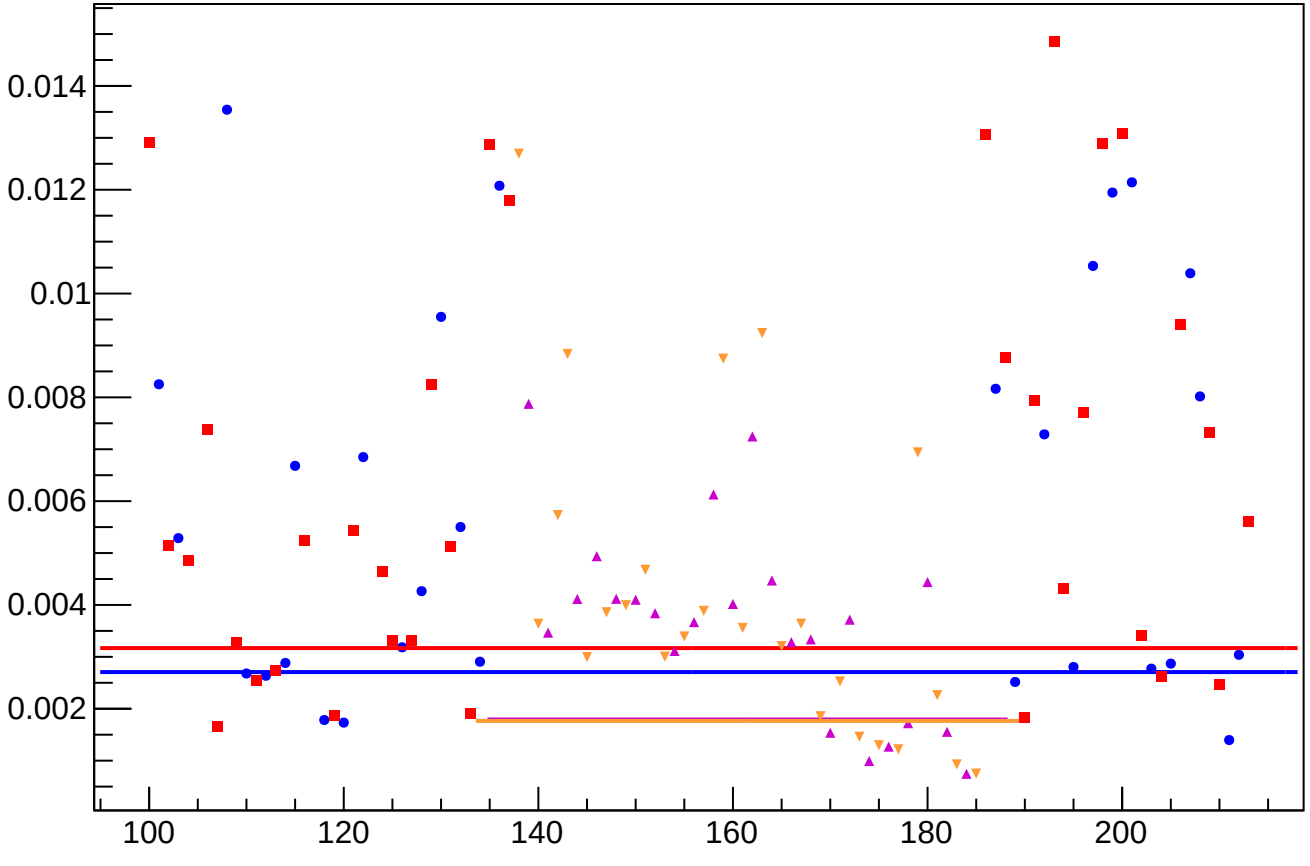
Right: 0.000+/-0.000 χ^2/NDF: 113.9/62

In: 0.000+/-0.000 χ^2/NDF:67.5/51

Out: -0.000+/-0.000 χ^2/NDF:99.4/58

All: -0.000+/-0.000 χ^2/NDF: 167.1/110

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: 11049099.9/28

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

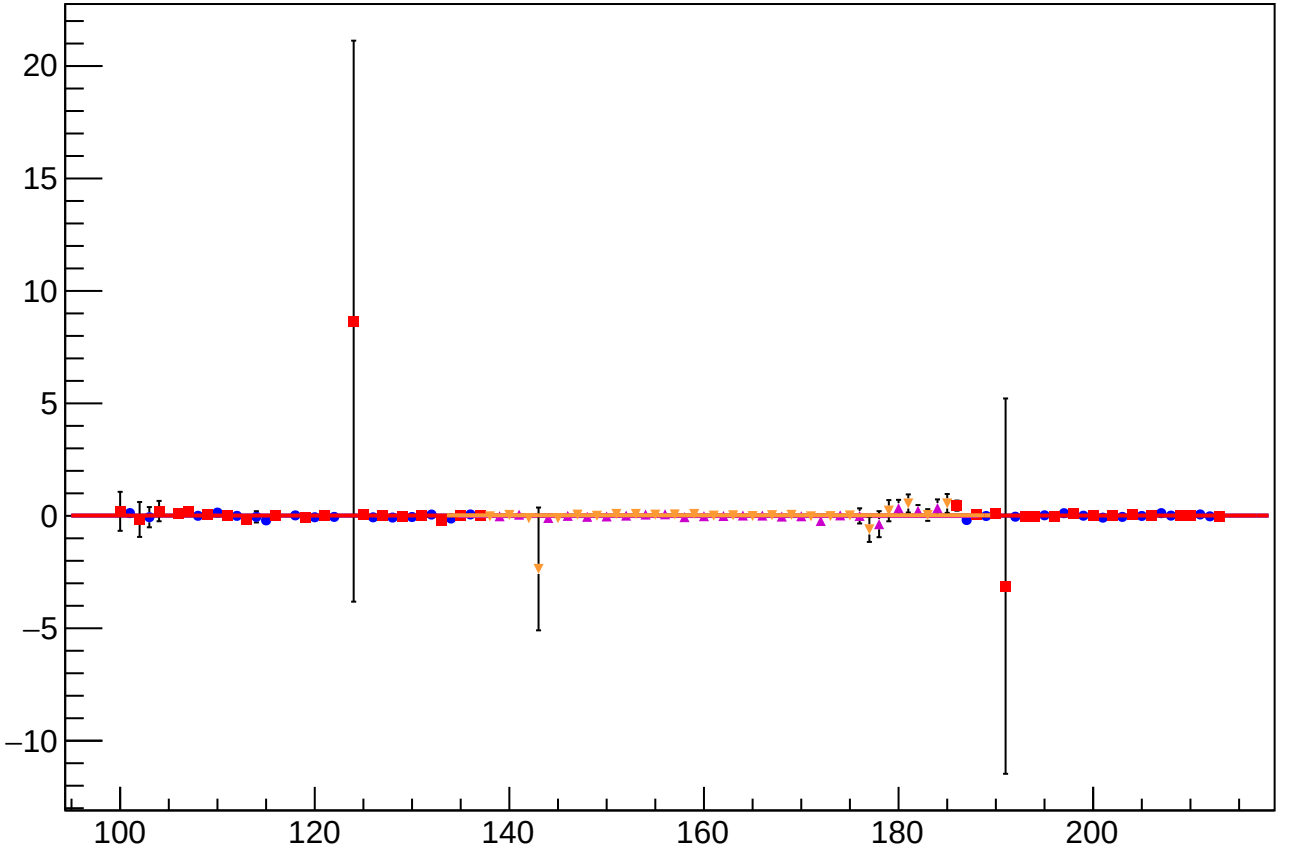
Right: 0.003+/-0.000 χ^2/NDF: 22071654.7/62

In: 0.002+/-0.000 χ^2/NDF:23517351.3/51

Out: 0.002+/-0.000 χ^2/NDF:27413442.4/58

All: 0.002+/-0.000 χ^2/NDF: 50942419.9/110

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.009 χ^2/NDF: 45.0/28

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

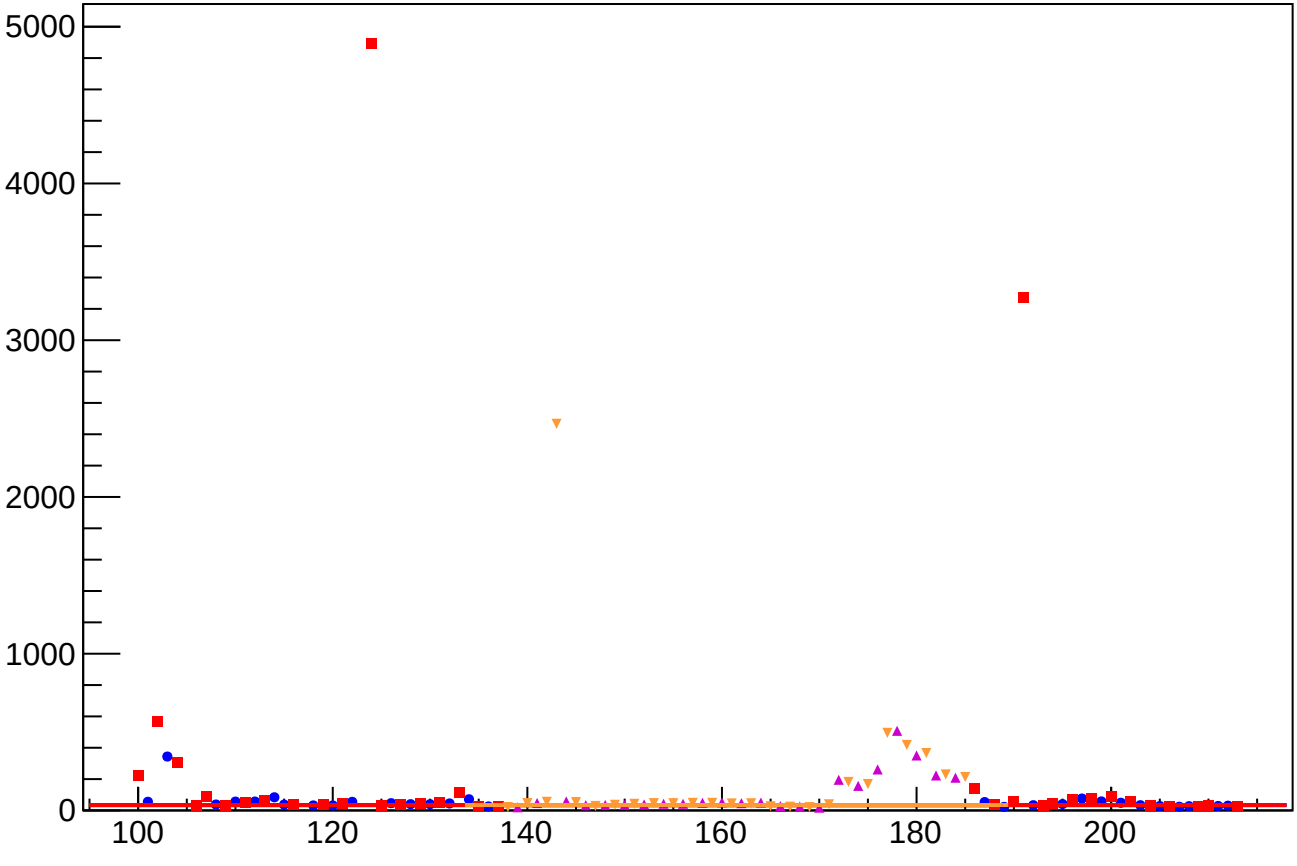
Right: 0.012+/-0.007 χ^2/NDF: 69.1/62

In: 0.001+/-0.007 χ^2/NDF:62.0/51

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.4/110

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.607+/-0.007 χ^2/NDF: 3625148.8/28

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

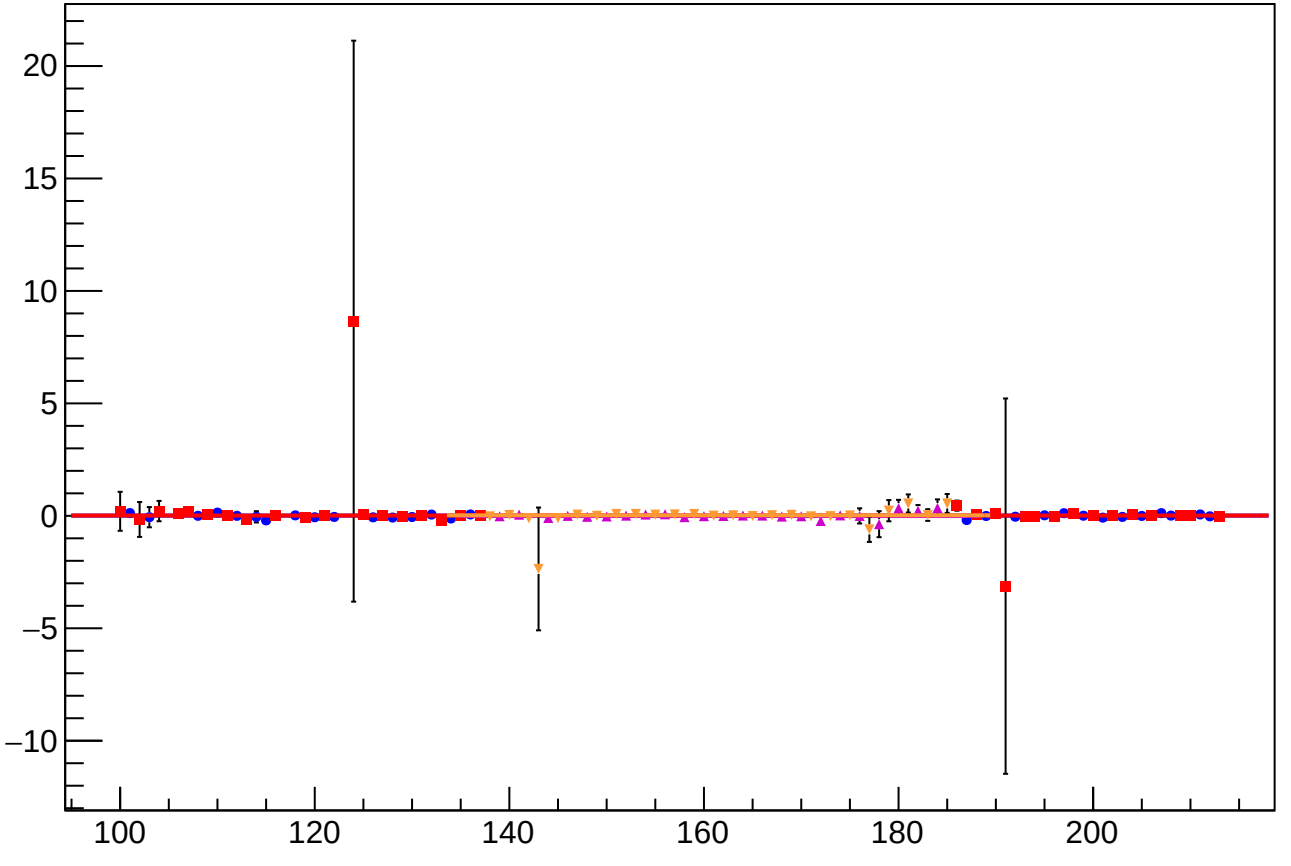
Right: 34.201+/-0.005 χ^2/NDF: 10126102.4/62

In: 33.601+/-0.005 χ^2/NDF:13691347.2/51

Out: 34.736+/-0.005 χ^2/NDF:17887123.1/58

All: 34.152+/-0.003 χ^2/NDF: 31605514.4/110

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.009 χ^2/NDF: 45.0/28

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

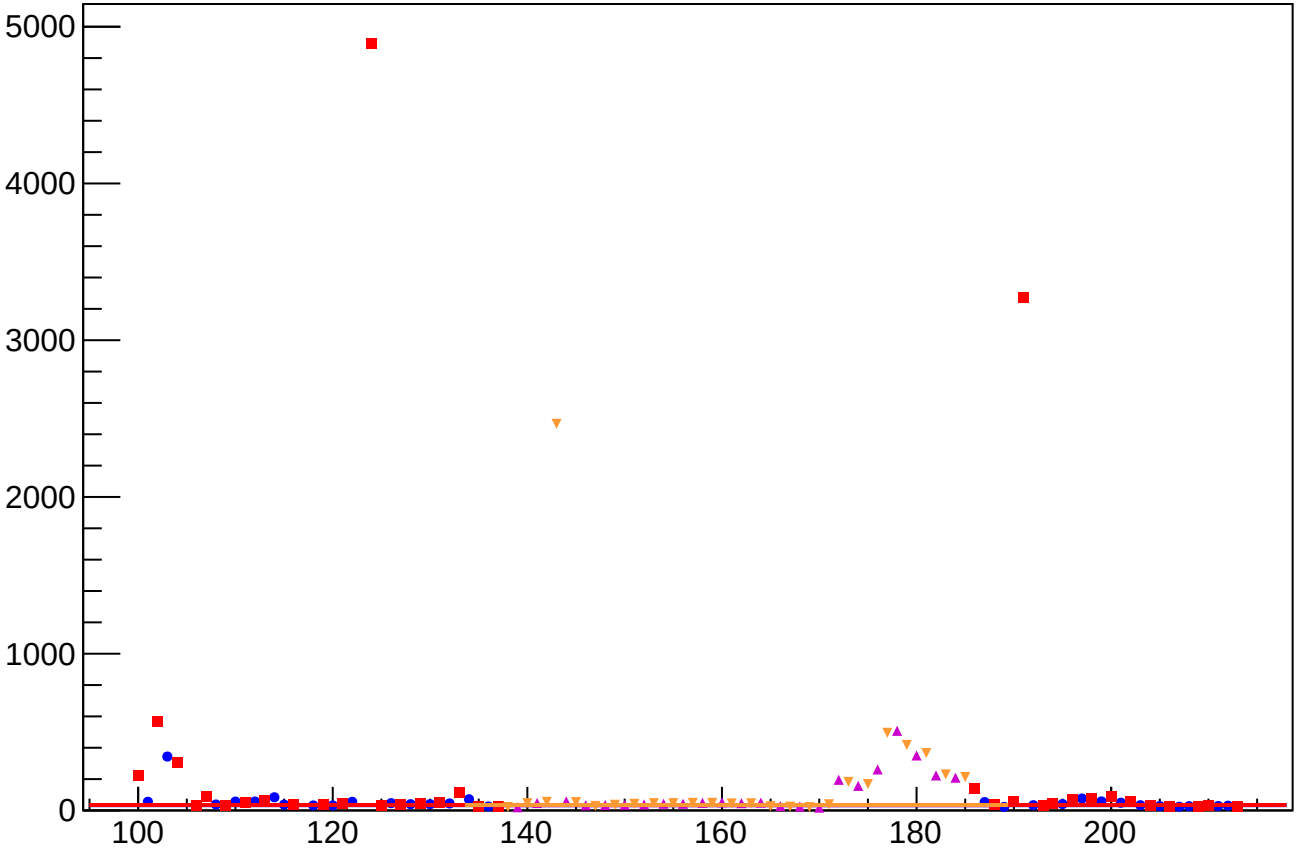
Right: 0.012+/-0.007 χ^2/NDF: 69.1/62

In: 0.001+/-0.007 χ^2/NDF:62.0/51

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.4/110

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.607+/-0.007 χ^2/NDF: 3625148.8/28

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

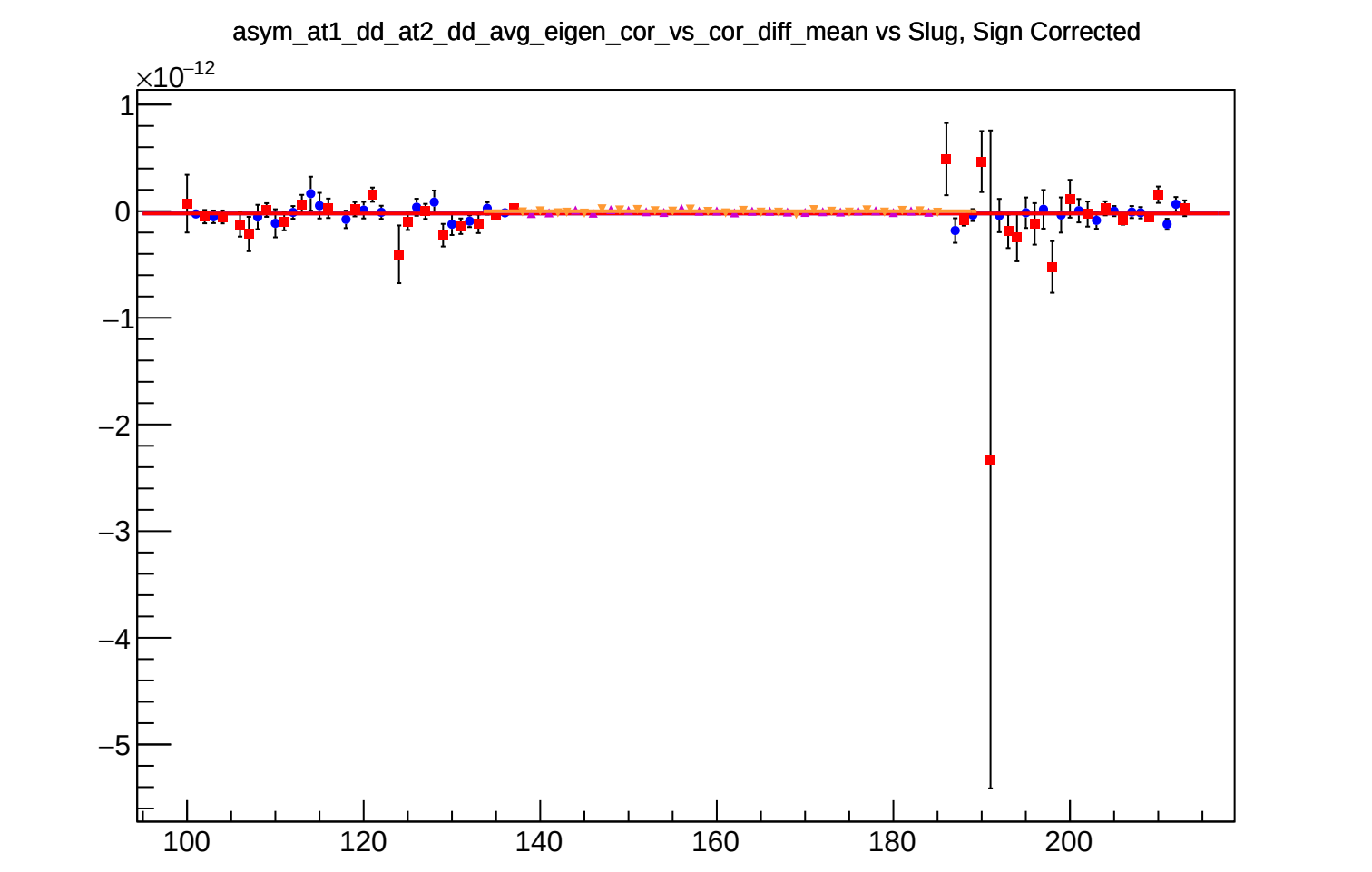
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 34.201+/-0.005 χ^2/NDF: 10126102.4/62

In: 33.601+/-0.005 χ^2/NDF:13691347.2/51

Out: 34.736+/-0.005 χ^2/NDF:17887123.1/58

All: 34.152+/-0.003 χ^2/NDF: 31605514.4/110



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/28

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

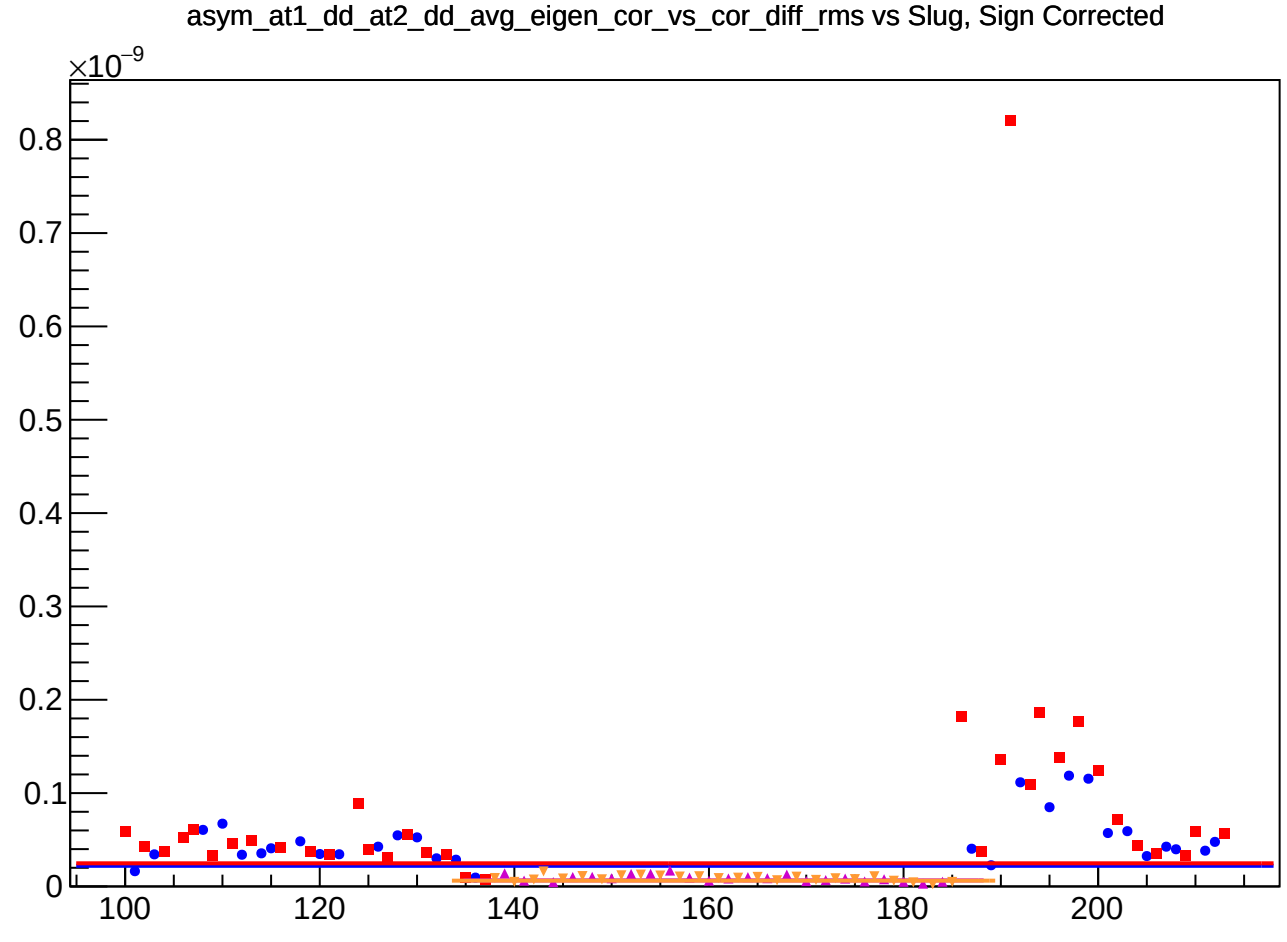
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 67.6/62

In: -0.000+/-0.000 χ^2/NDF:41.3/51

Out: -0.000+/-0.000 χ^2/NDF:81.2/58

All: -0.000+/-0.000 χ^2/NDF: 123.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 7778510.5/28

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

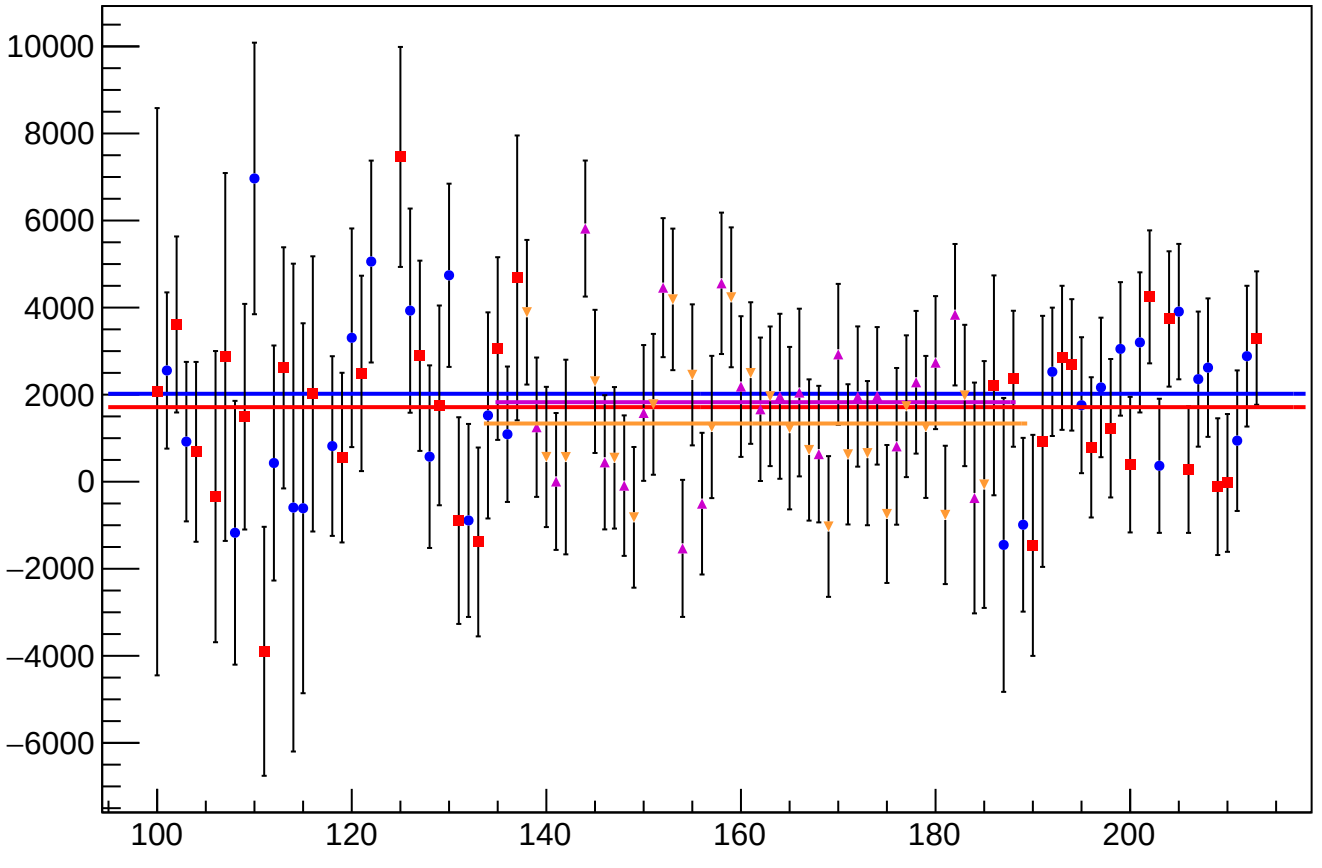
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 18354878.7/62

In: 0.000+/-0.000 χ^2/NDF:17658639.6/51

Out: 0.000+/-0.000 χ^2/NDF:22522390.8/58

All: 0.000+/-0.000 χ^2/NDF: 40214400.3/110



Right In: 2020.032+/-356.362 χ^2/NDF: 20.3/28

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

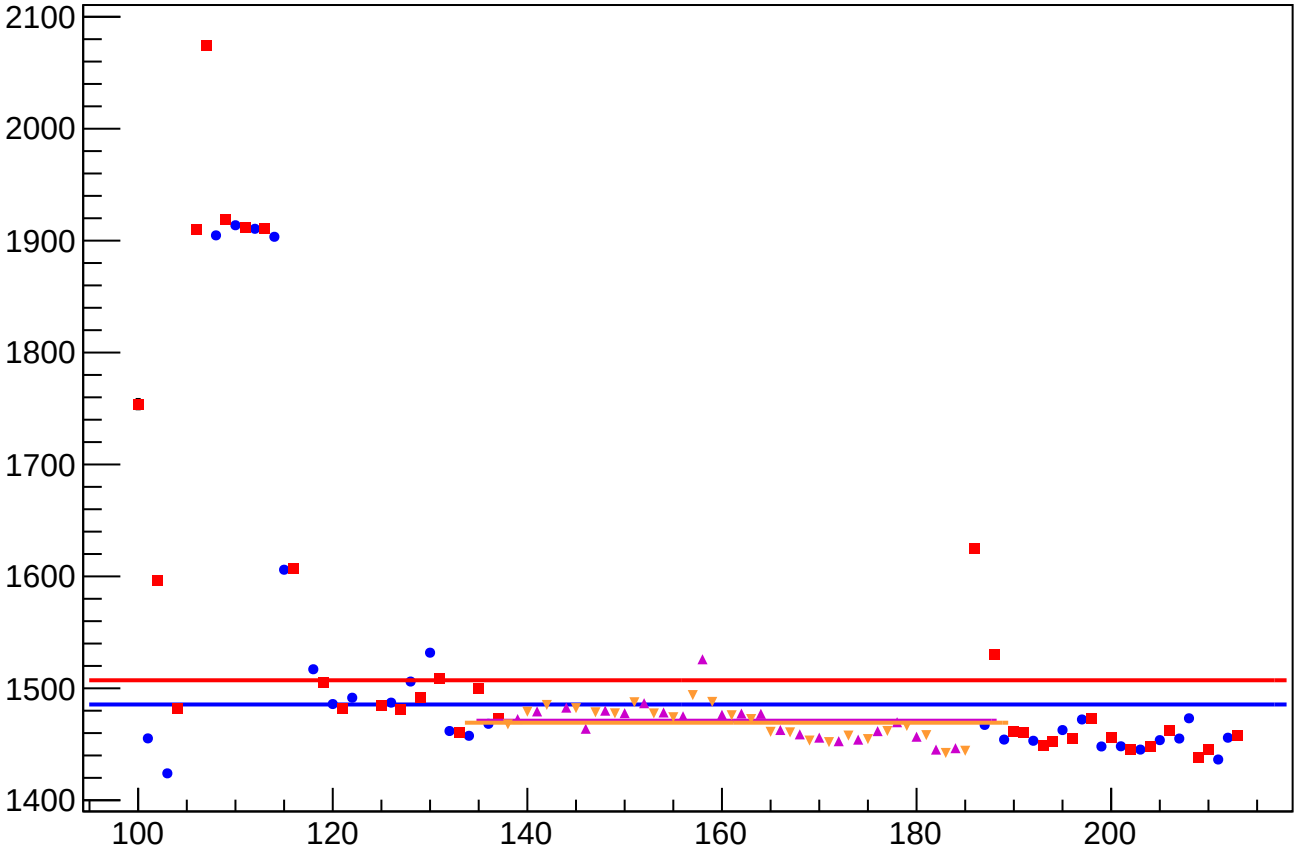
Right: 1862.772+/-248.940 χ^2/NDF: 49.6/61

In: 1919.757+/-247.307 χ^2/NDF:46.9/51

Out: 1521.195+/-243.530 χ^2/NDF:48.7/56

All: 1717.409+/-173.522 χ^2/NDF: 96.9/108

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1485.558+/-0.252 χ^2/NDF: 153457.1/28

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

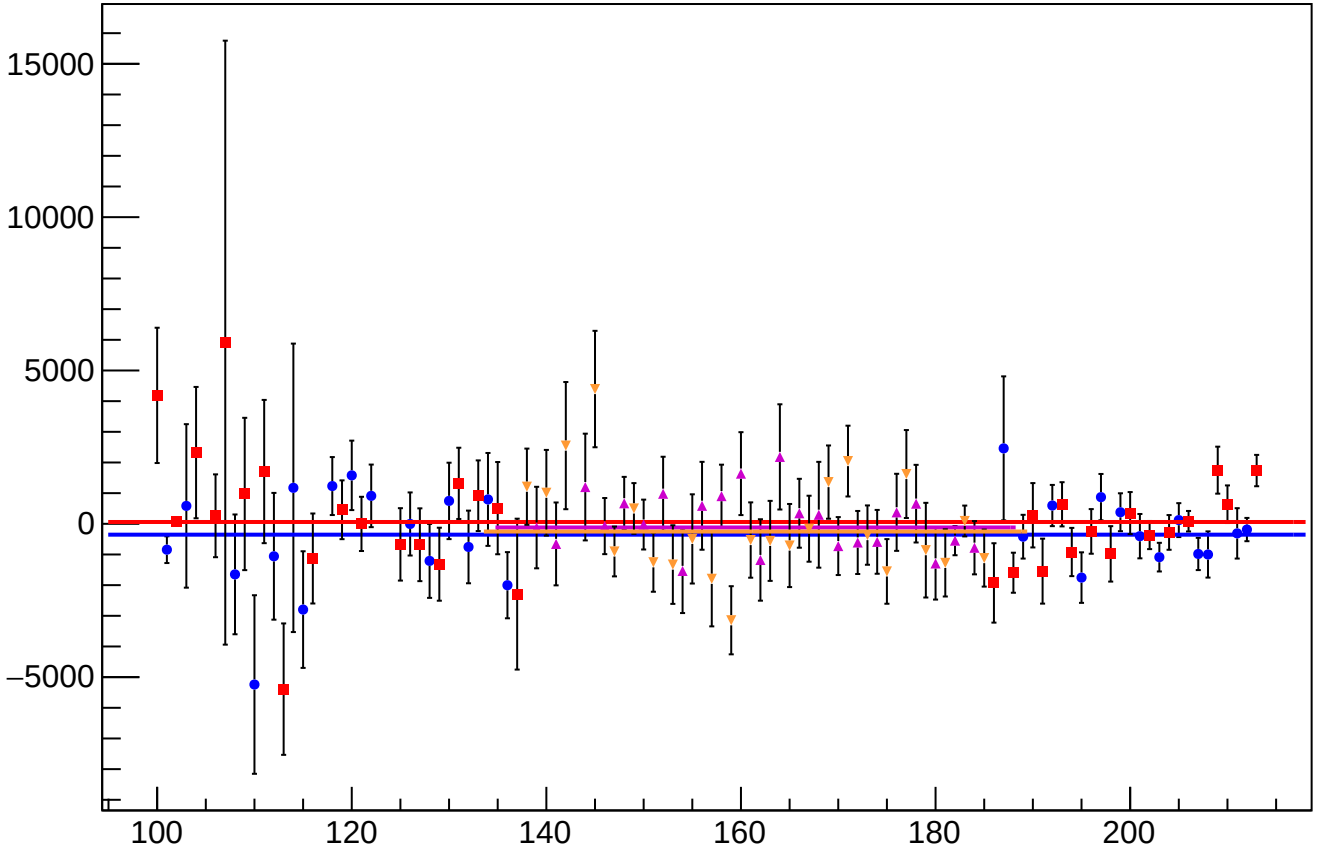
Right: 1496.634+/-0.176 χ^2/NDF: 399665.3/61

In: 1478.039+/-0.175 χ^2/NDF:159817.0/51

Out: 1487.850+/-0.172 χ^2/NDF:257710.4/56

All: 1483.020+/-0.123 χ^2/NDF: 419125.3/108

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -353.874+/-145.467 χ^2/NDF: 34.1/28

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

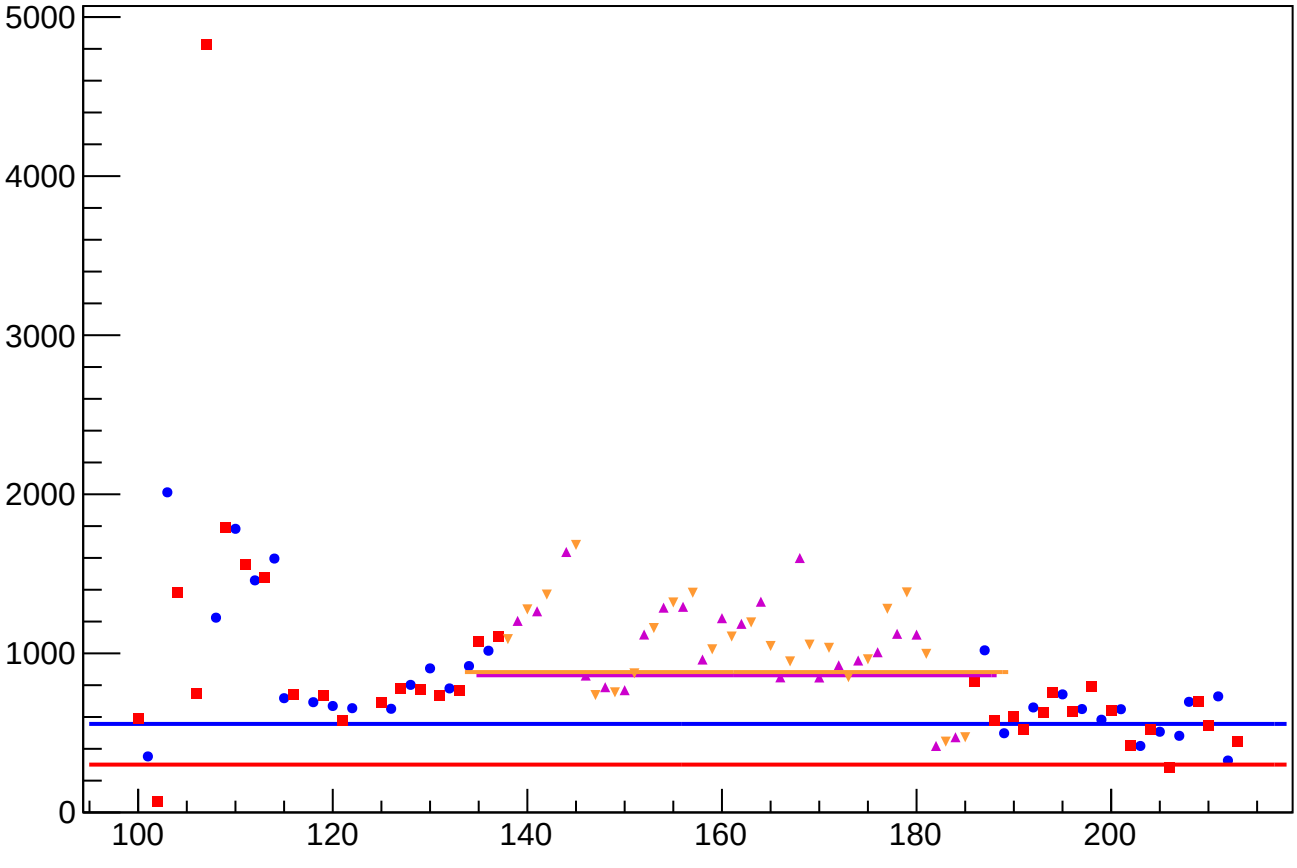
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -73.203+/-82.450 χ^2/NDF: 90.1/61

In: -280.826+/-120.652 χ^2/NDF:47.8/51

Out: 5.618+/-90.979 χ^2/NDF:84.9/56

All: -98.216+/-72.641 χ^2/NDF: 136.2/108



Right In: 556.548+/-0.103 χ^2/NDF: 4437534.2/28

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

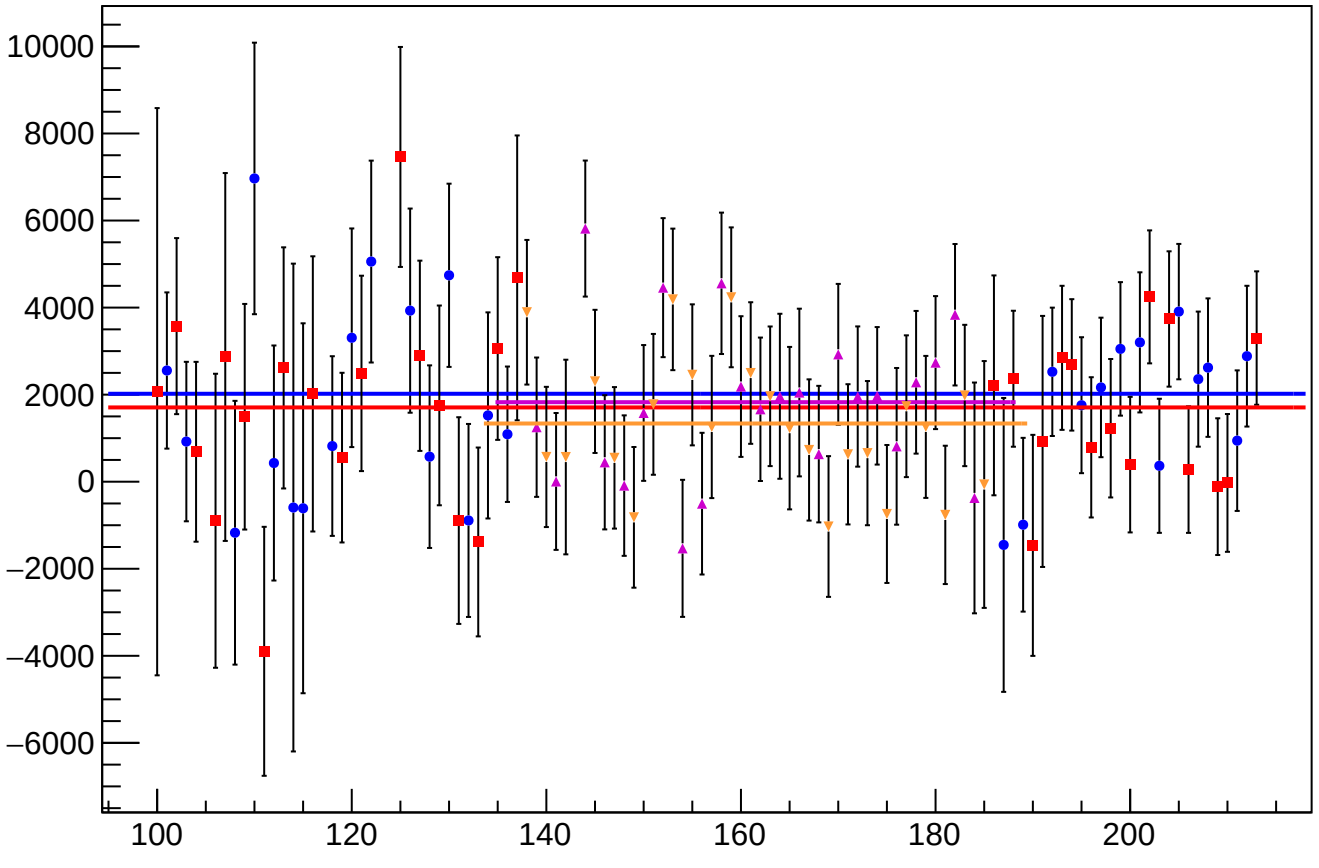
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 382.948+/-0.058 χ^2/NDF: 25334584.0/61

In: 651.965+/-0.085 χ^2/NDF:11564328.3/51

Out: 401.742+/-0.064 χ^2/NDF:32328307.7/56

All: 492.446+/-0.051 χ^2/NDF: 49376684.5/10



Right In: 2020.130+/-356.362 χ^2/NDF: 20.3/28

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

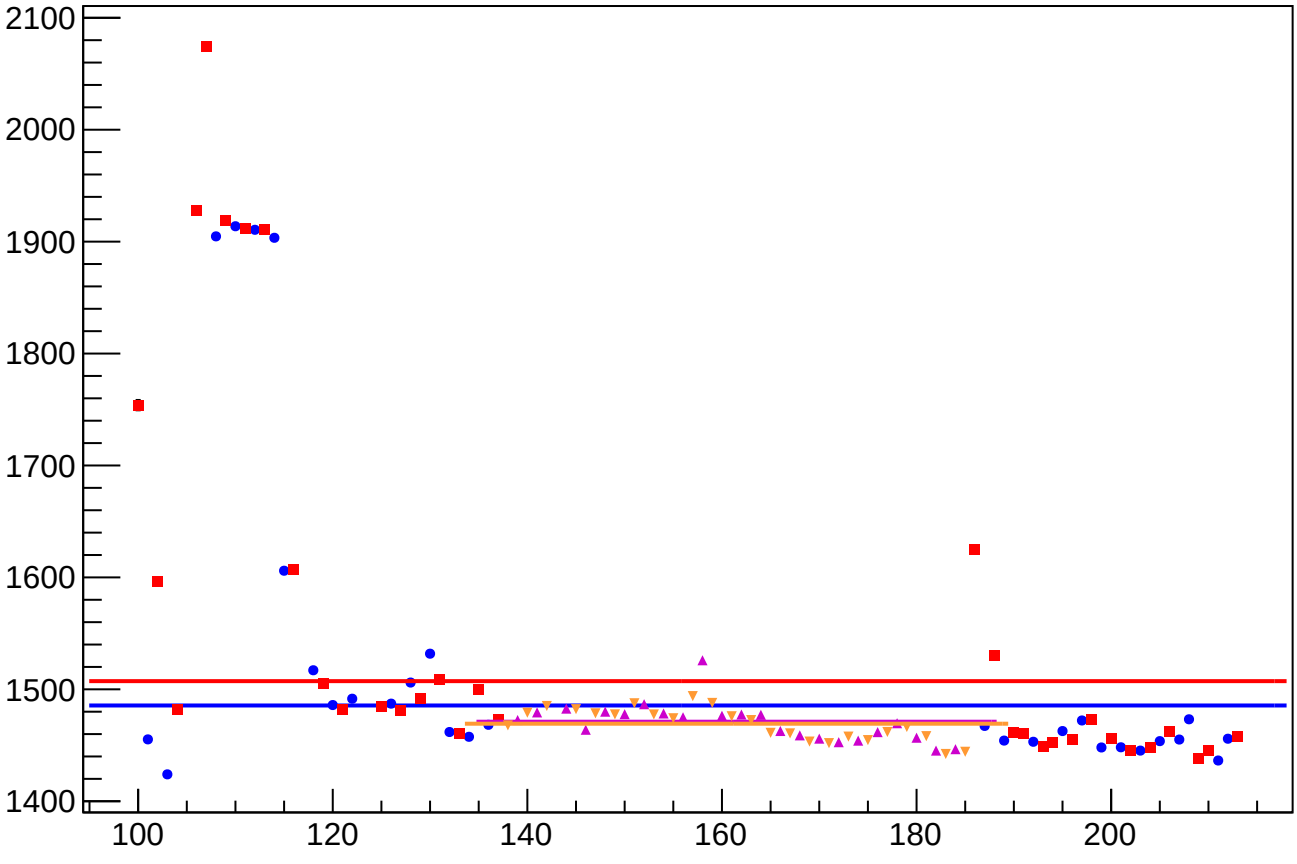
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1859.460+/-248.953 χ^2/NDF: 49.8/61

In: 1919.827+/-247.307 χ^2/NDF:46.9/51

Out: 1517.948+/-243.543 χ^2/NDF:48.9/56

All: 1715.806+/-173.526 χ^2/NDF: 97.1/108



Right In: 1485.558+/-0.252 χ^2/NDF: 153457.1/28

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

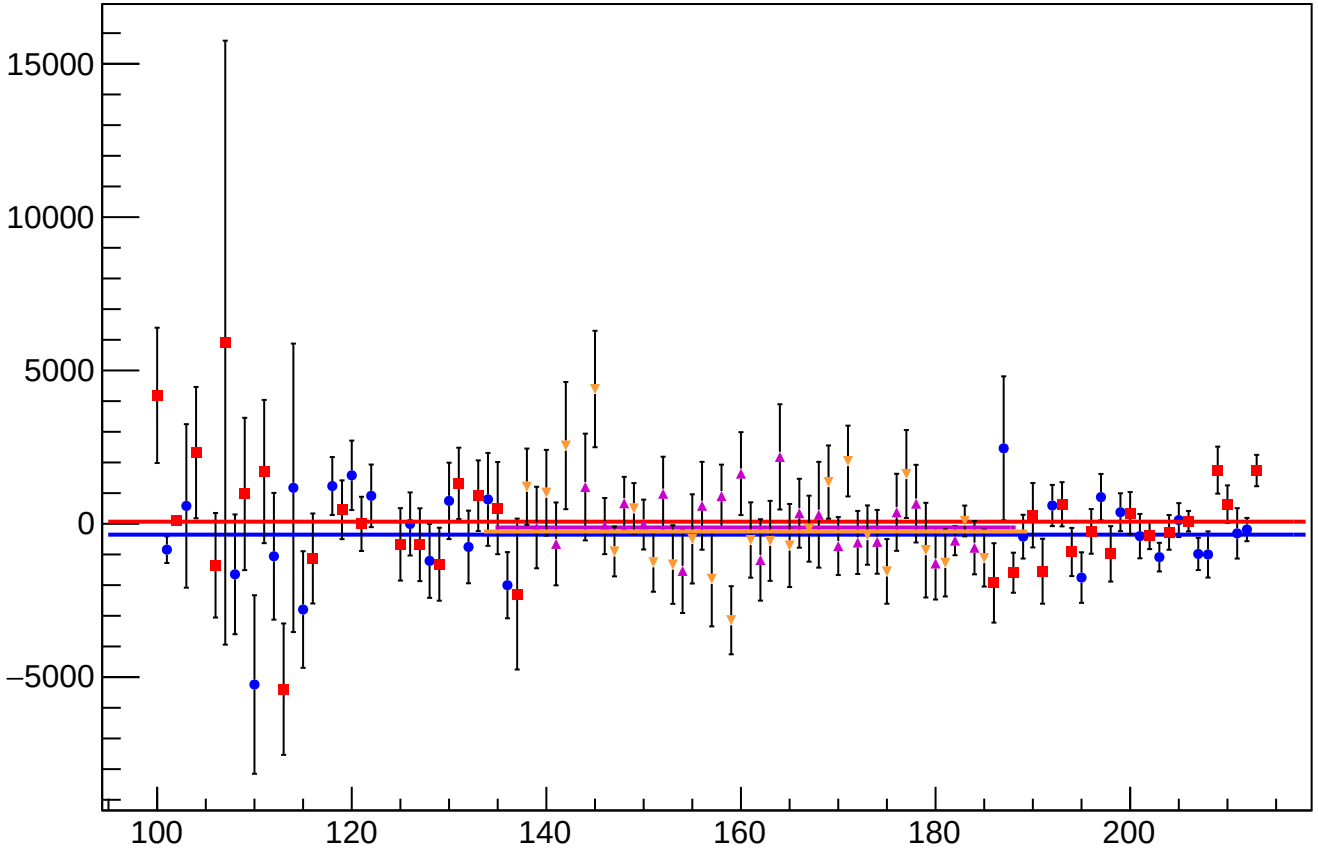
Right: 1496.693+/-0.176 χ^2/NDF: 401817.6/61

In: 1478.039+/-0.175 χ^2/NDF:159817.0/51

Out: 1487.905+/-0.172 χ^2/NDF:259895.7/56

All: 1483.048+/-0.123 χ^2/NDF: 421328.6/108

asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -353.868+/-145.464 χ^2/NDF: 34.1/28

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

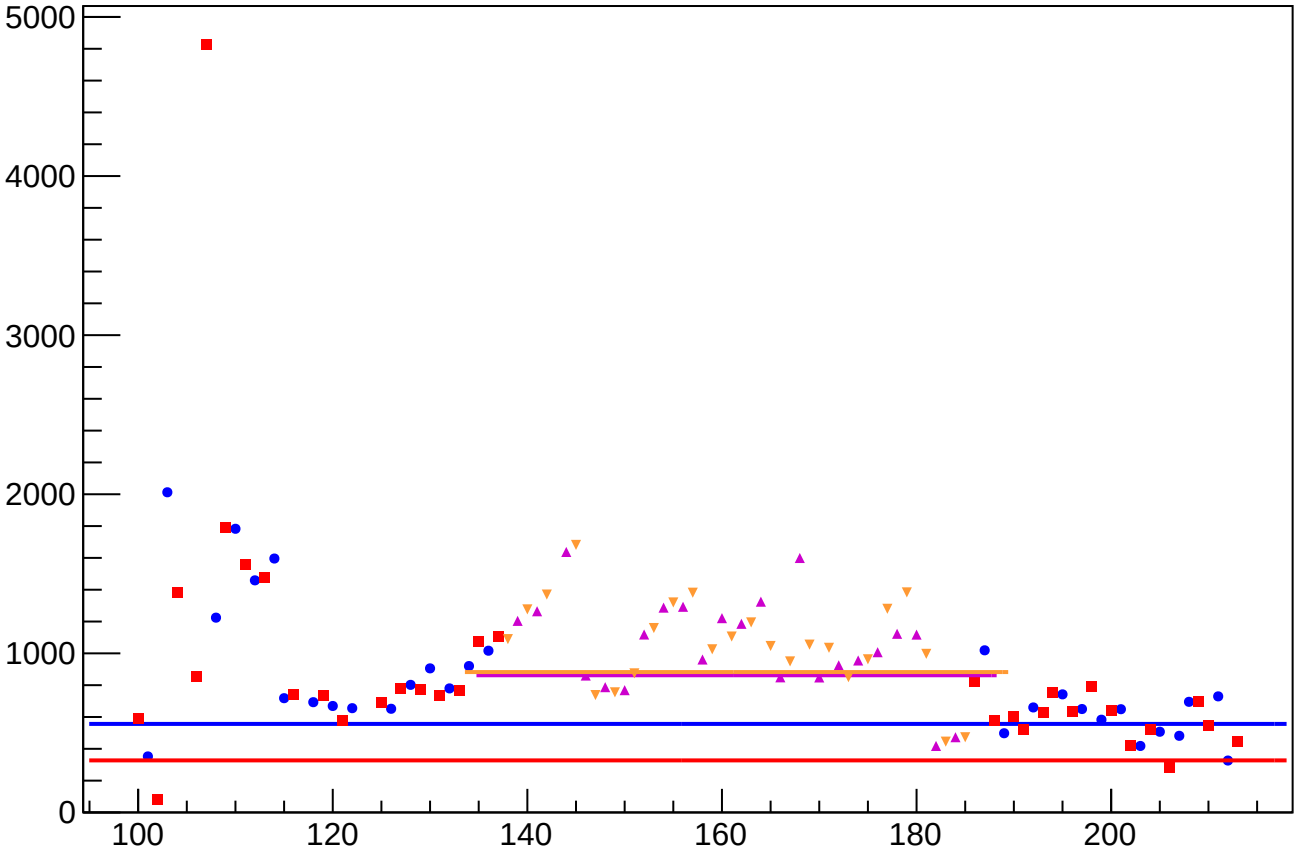
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -75.438+/-85.069 χ^2/NDF: 90.9/61

In: -280.837+/-120.650 χ^2/NDF:47.8/51

Out: 9.144+/-94.535 χ^2/NDF:85.7/56

All: -101.165+/-74.413 χ^2/NDF: 137.0/108



Right In: 556.530+/-0.103 χ^2/NDF: 4438055.8/28

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

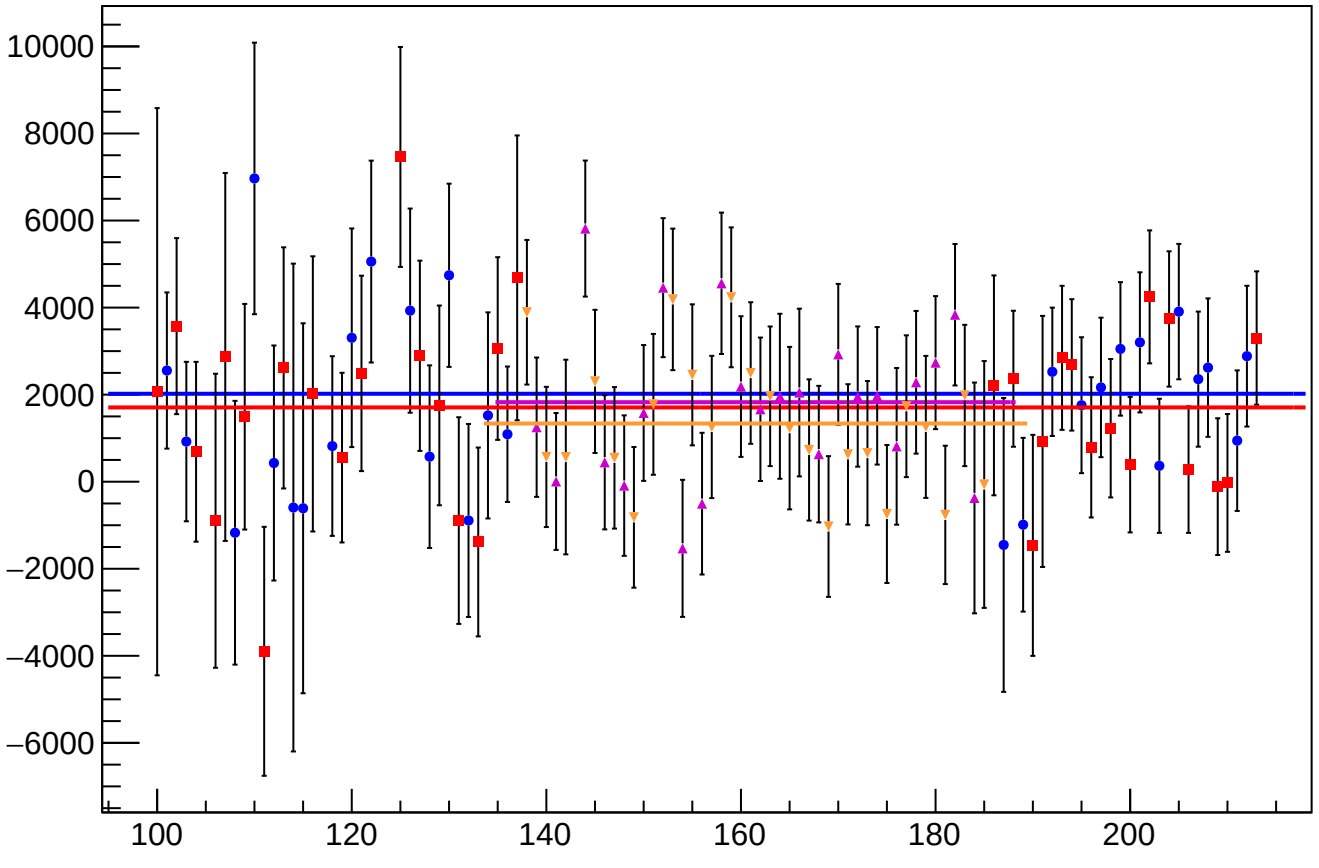
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 405.644+/-0.060 χ^2/NDF: 22940442.4/61

In: 651.951+/-0.085 χ^2/NDF:11565240.5/51

Out: 431.272+/-0.067 χ^2/NDF:29639249.5/56

All: 515.219+/-0.053 χ^2/NDF: 45350241.4/10



Right In: 2020.130+/-356.362 χ^2/NDF: 20.3/28

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

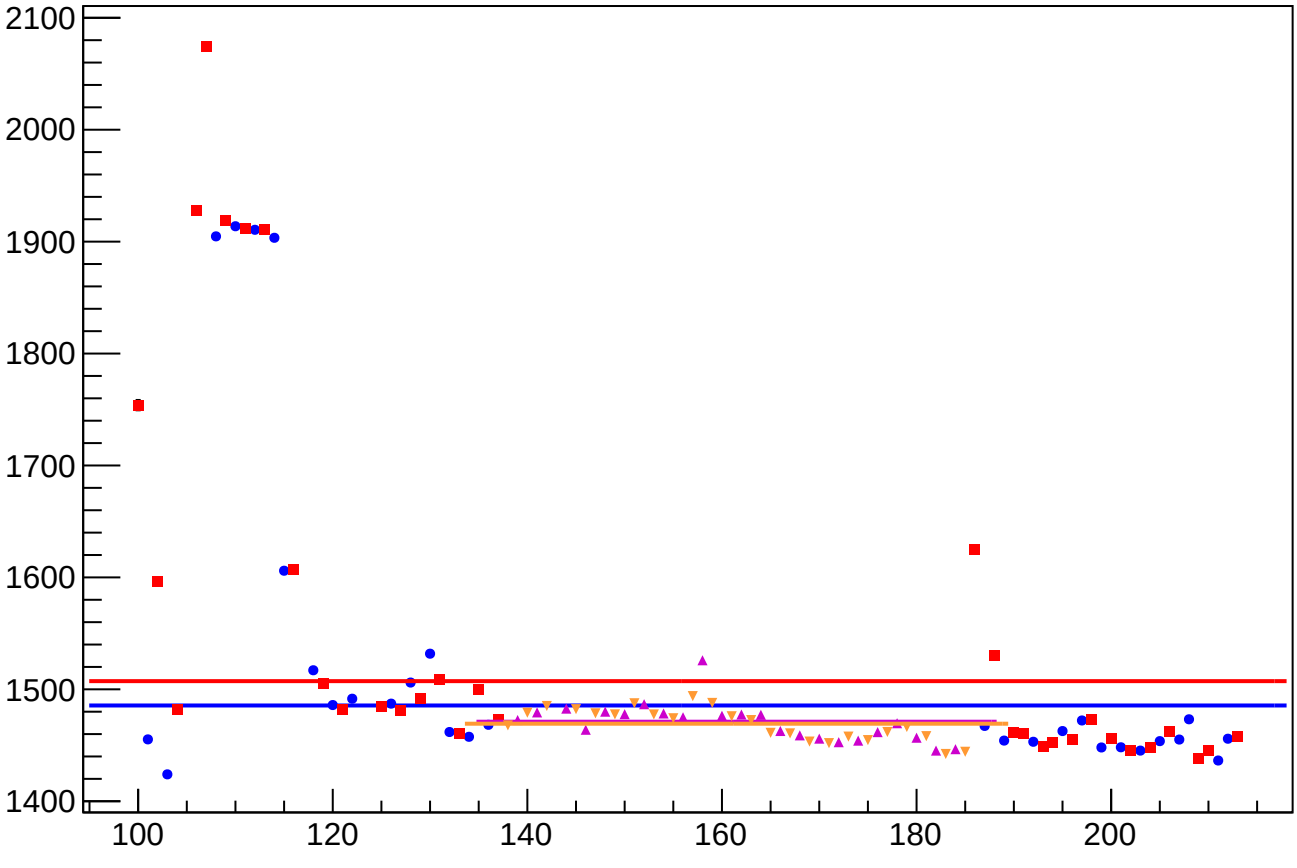
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1859.460+/-248.953 χ^2/NDF: 49.8/61

In: 1919.827+/-247.307 χ^2/NDF:46.9/51

Out: 1517.948+/-243.543 χ^2/NDF:48.9/56

All: 1715.806+/-173.526 χ^2/NDF: 97.1/108



Right In: 1485.558+/-0.252 χ^2/NDF: 153457.1/28

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

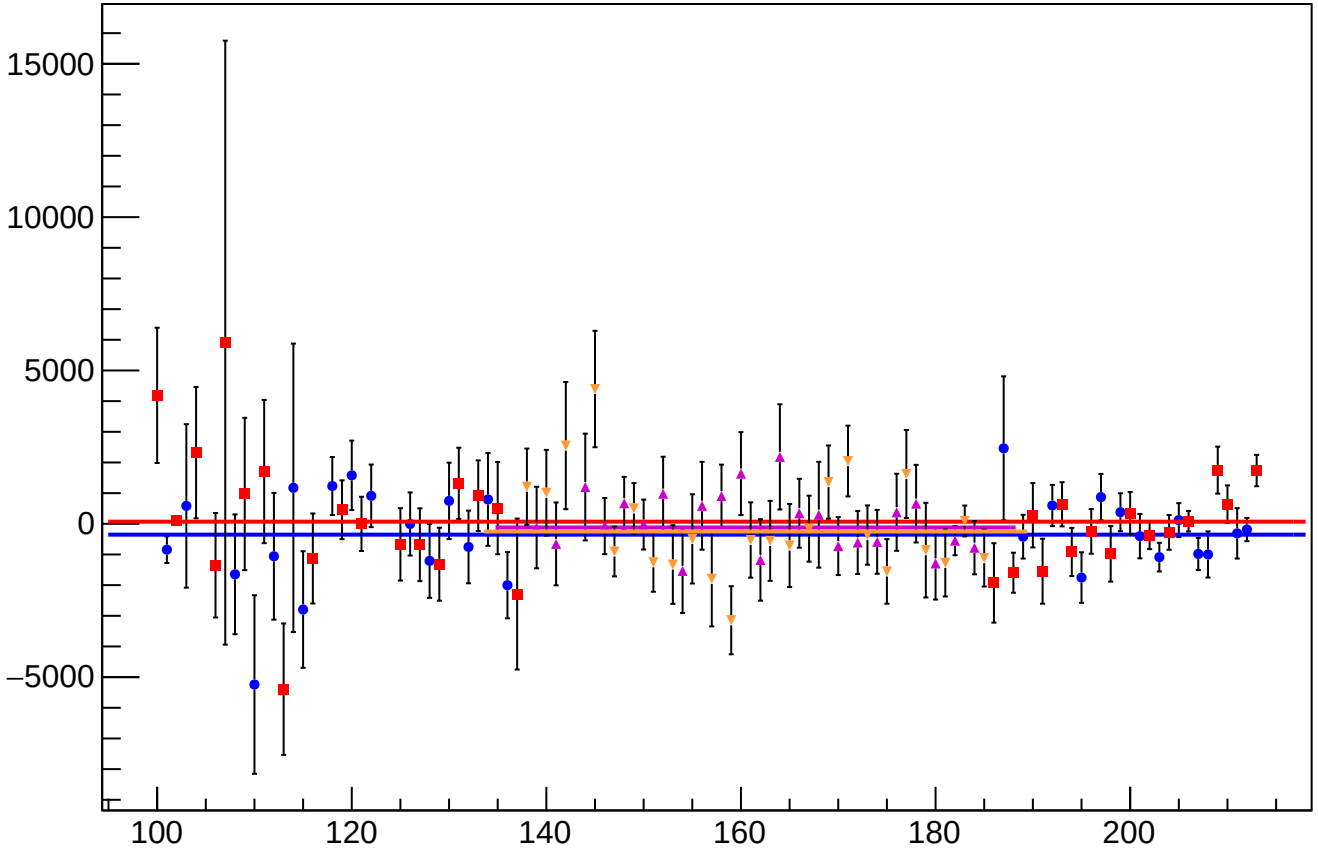
Right: 1496.693+/-0.176 χ^2/NDF: 401817.6/61

In: 1478.039+/-0.175 χ^2/NDF:159817.0/51

Out: 1487.905+/-0.172 χ^2/NDF:259895.7/56

All: 1483.048+/-0.123 χ^2/NDF: 421328.6/108

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -353.868+/-145.464 χ^2/NDF: 34.1/28

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

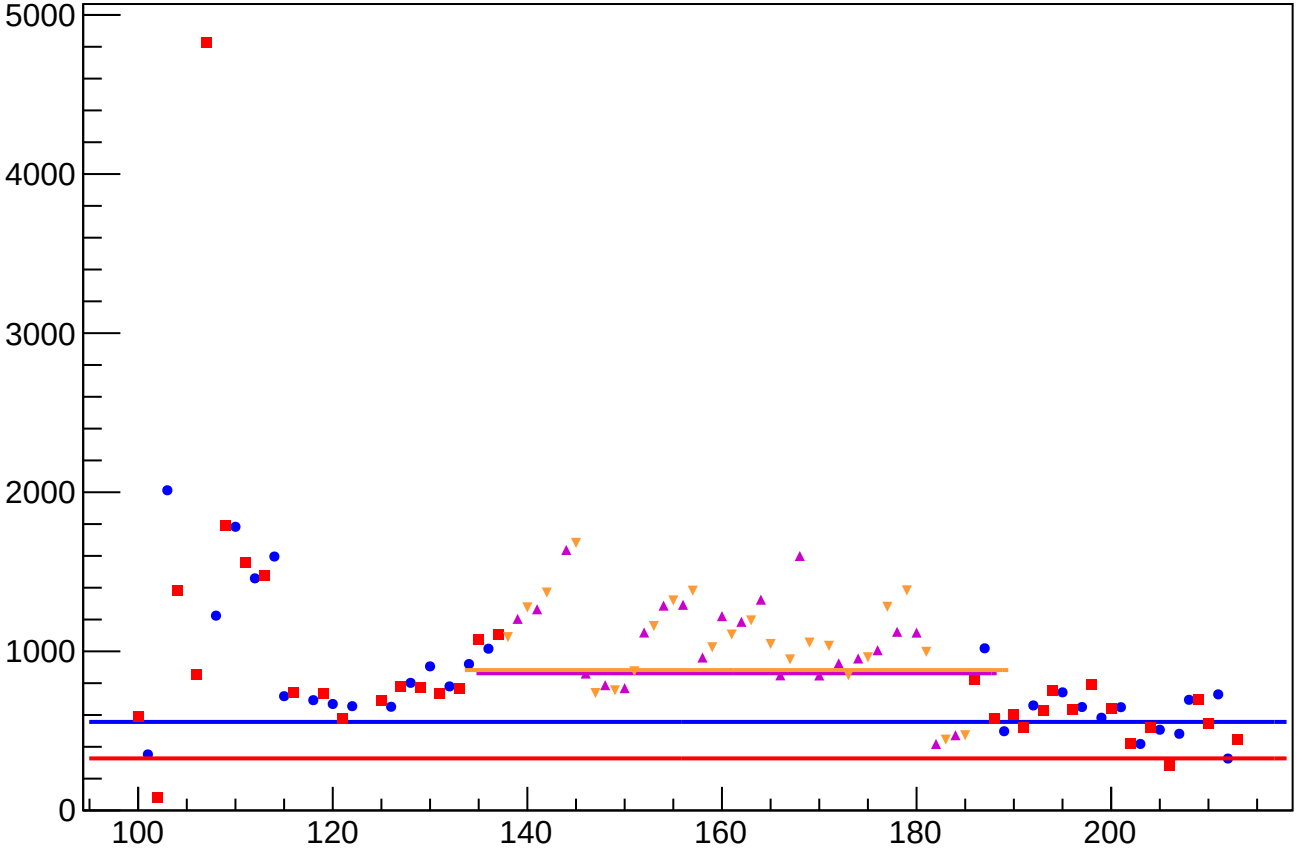
Right: -75.438+/-85.069 χ^2/NDF: 90.9/61

In: -280.837+/-120.650 χ^2/NDF:47.8/51

Out: 9.144+/-94.535 χ^2/NDF:85.7/56

All: -101.165+/-74.413 χ^2/NDF: 137.0/108

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 556.530+/-0.103 χ^2/NDF: 4438055.8/28

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

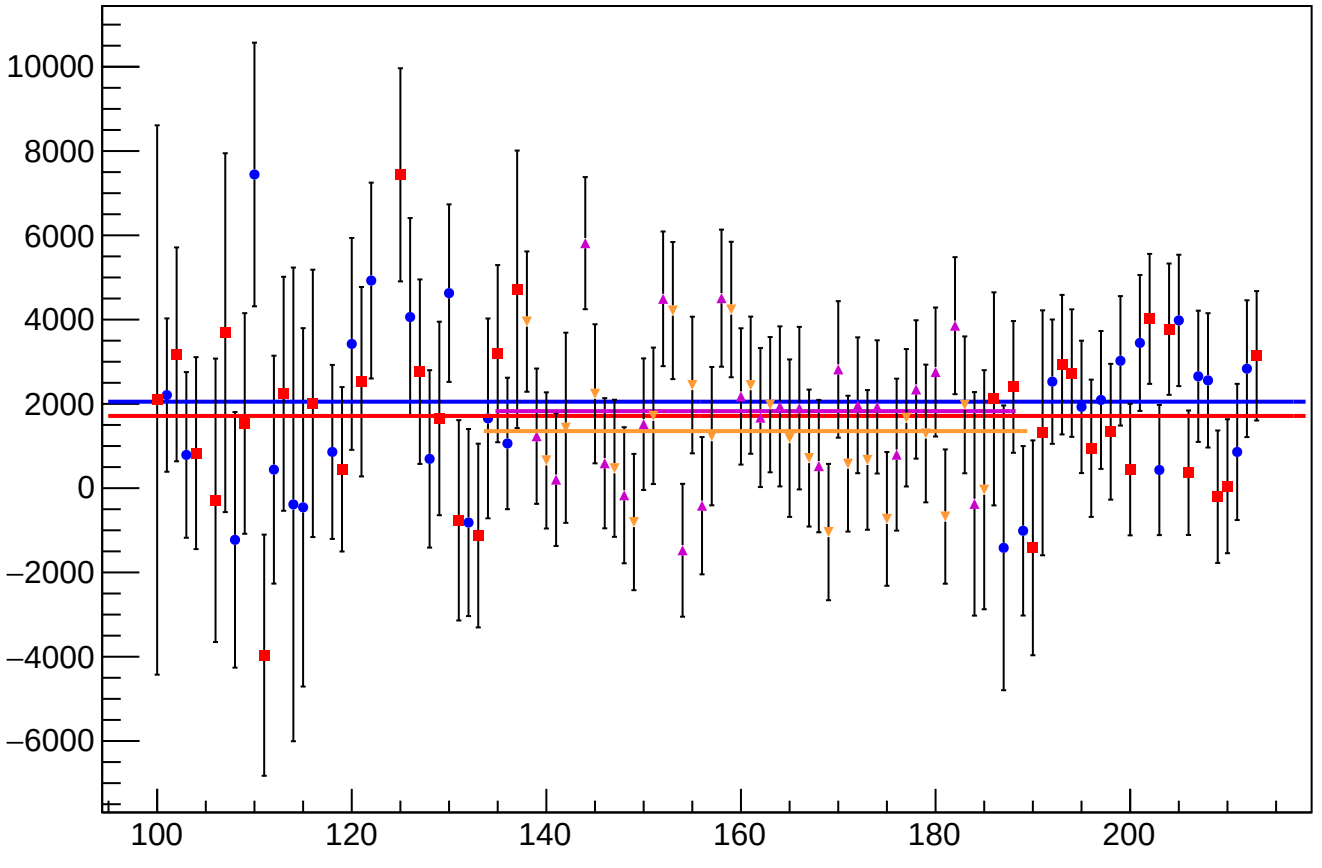
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 405.644+/-0.060 χ^2/NDF: 22940442.4/61

In: 651.951+/-0.085 χ^2/NDF:11565240.5/51

Out: 431.272+/-0.067 χ^2/NDF:29639249.5/56

All: 515.219+/-0.053 χ^2/NDF: 45350241.4/10



Right In: 2051.945+/-358.572 χ^2/NDF: 20.6/28

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

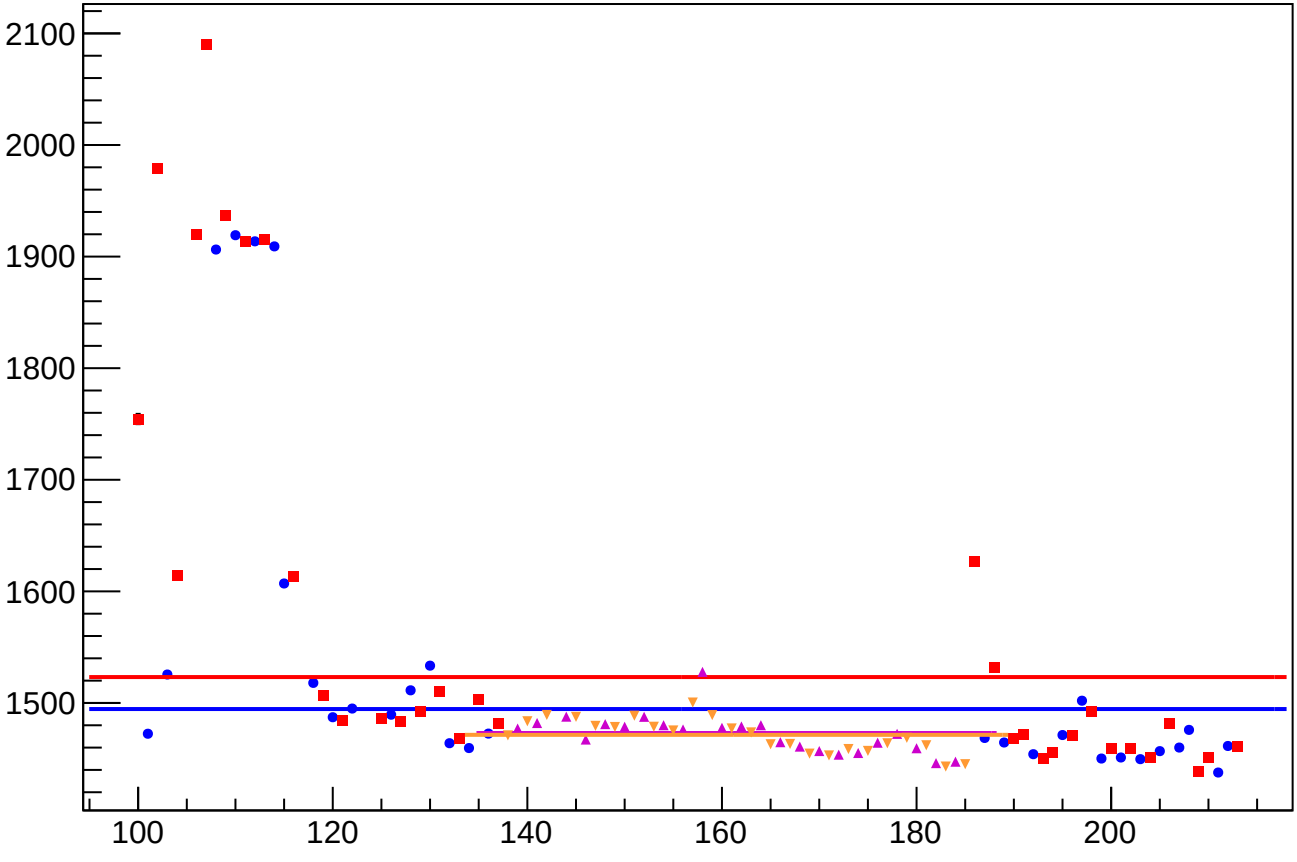
Right: 1879.825+/-251.274 χ^2/NDF: 48.1/61

In: 1935.444+/-248.218 χ^2/NDF:46.7/51

Out: 1528.189+/-245.206 χ^2/NDF:46.5/56

All: 1729.330+/-174.442 χ^2/NDF: 94.5/108

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1494.553+/-0.254 χ^2/NDF: 150235.7/28

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

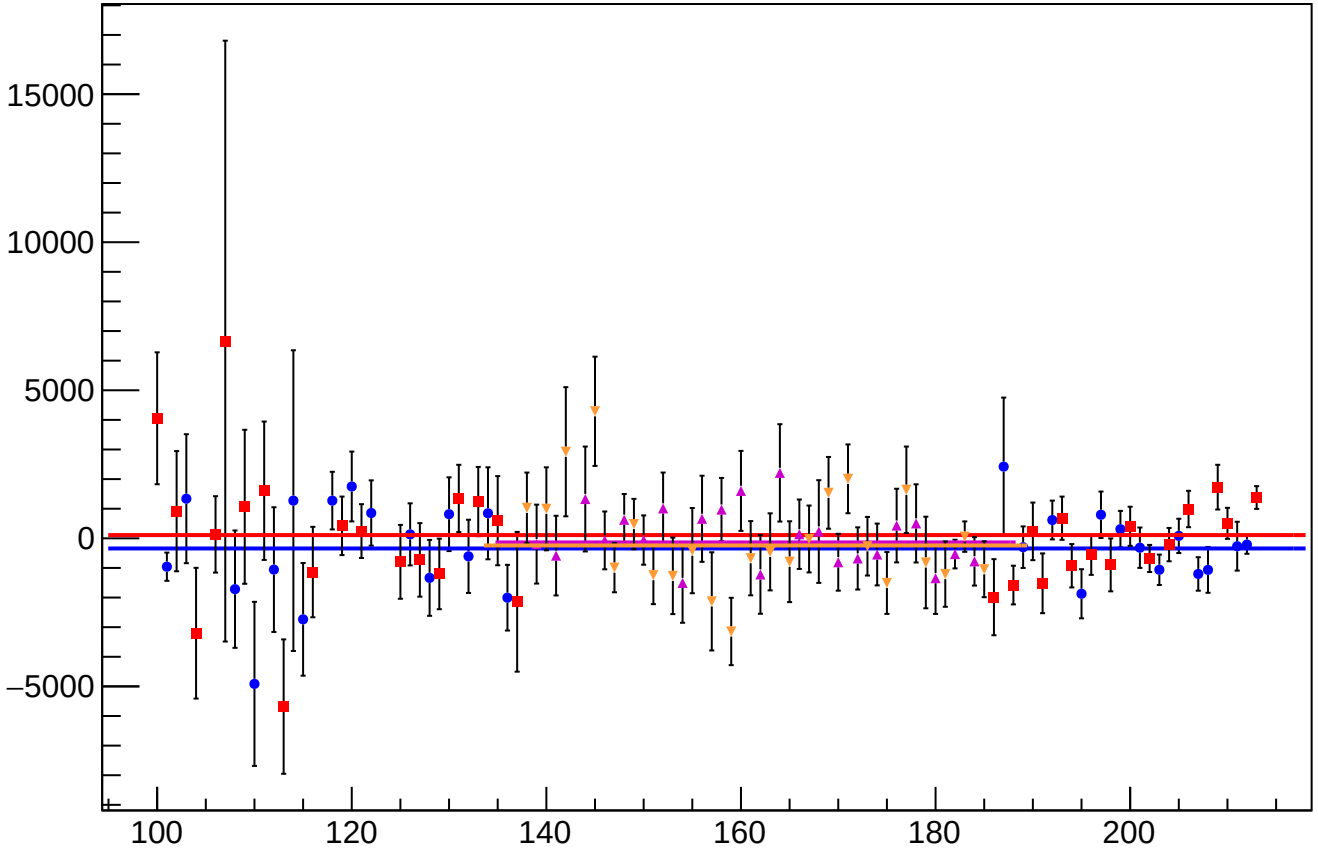
Right: 1509.134+/-0.178 χ^2/NDF: 464549.3/61

In: 1483.353+/-0.176 χ^2/NDF:158733.2/51

Out: 1496.525+/-0.173 χ^2/NDF:333515.7/56

All: 1490.020+/-0.123 χ^2/NDF: 495099.3/108

asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -342.340+/-144.394 χ^2/NDF: 35.0/28

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

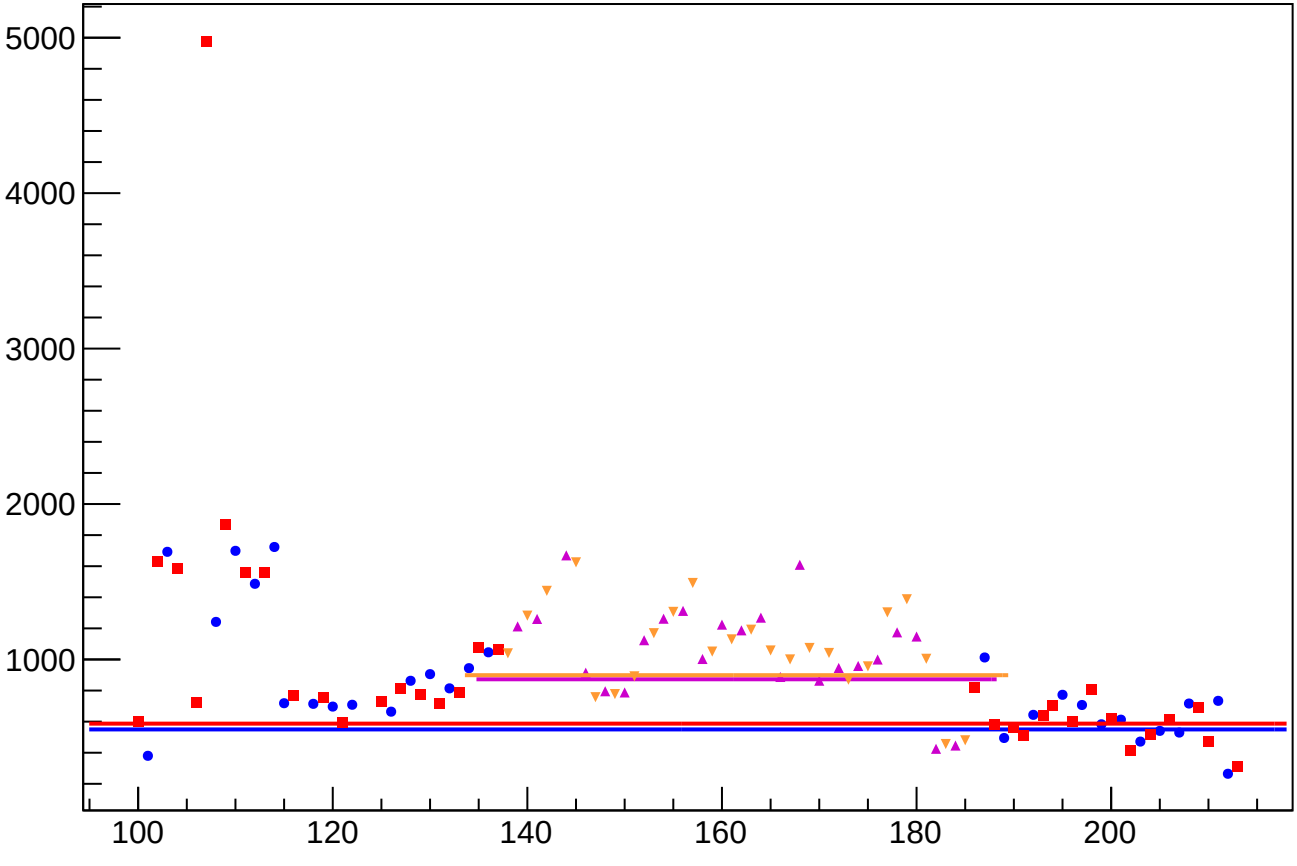
Right: -121.371+/-103.271 χ^2/NDF: 97.4/61

In: -280.347+/-120.462 χ^2/NDF:48.5/51

Out: 2.337+/-122.968 χ^2/NDF:91.8/56

All: -141.914+/-86.052 χ^2/NDF: 143.0/108

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 549.903+/-0.102 χ^2/NDF: 5271107.9/28

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

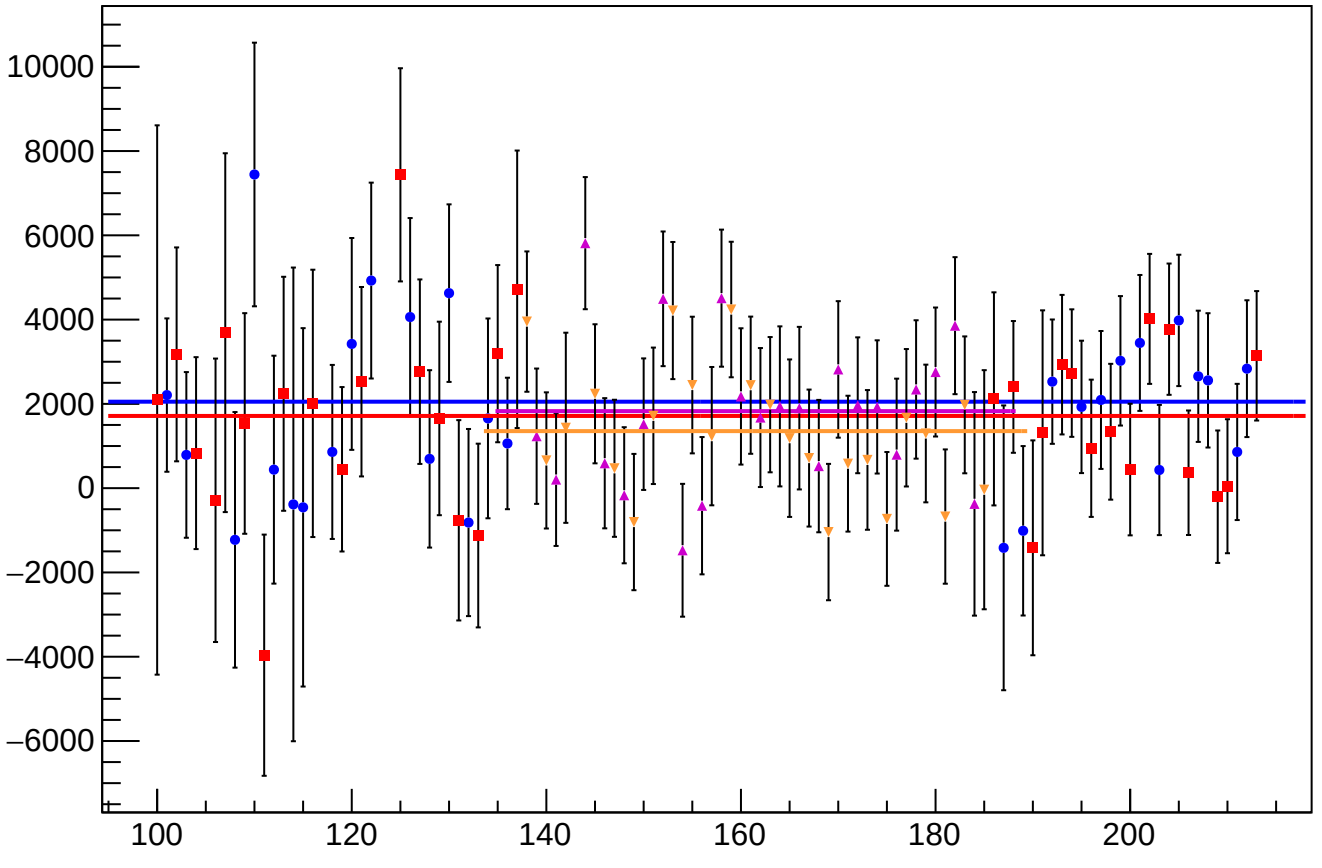
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 568.098+/-0.073 χ^2/NDF: 10186326.3/61

In: 647.967+/-0.085 χ^2/NDF:12740969.1/51

Out: 682.968+/-0.087 χ^2/NDF:11377647.7/56

All: 665.107+/-0.061 χ^2/NDF: 24201305.0/10



Right In: 2051.943+/-358.572 χ^2/NDF: 20.6/28

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

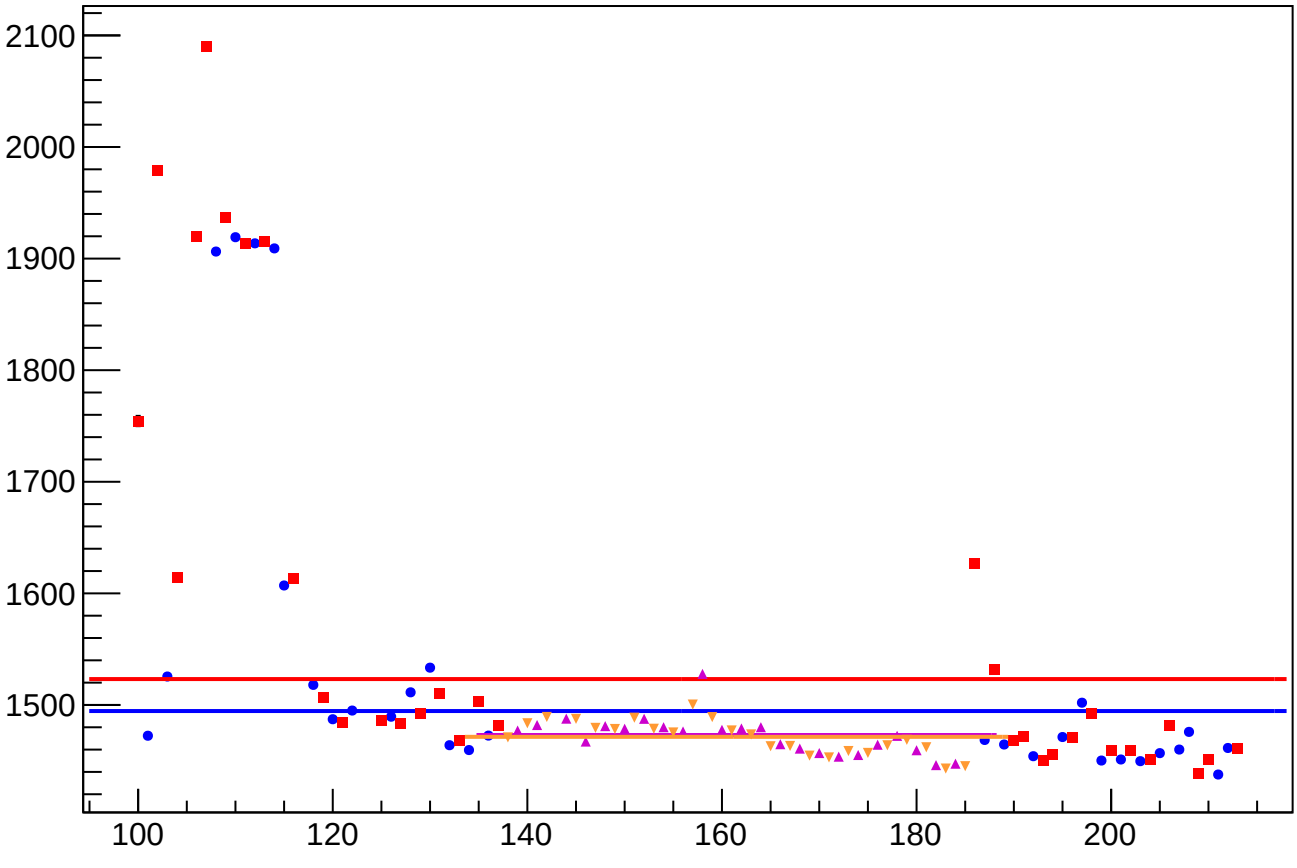
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1879.824+/-251.274 χ^2/NDF: 48.1/61

In: 1935.444+/-248.218 χ^2/NDF:46.7/51

Out: 1528.188+/-245.206 χ^2/NDF:46.5/56

All: 1729.330+/-174.442 χ^2/NDF: 94.5/108



Right In: 1494.553+/-0.254 χ^2/NDF: 150235.6/28

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

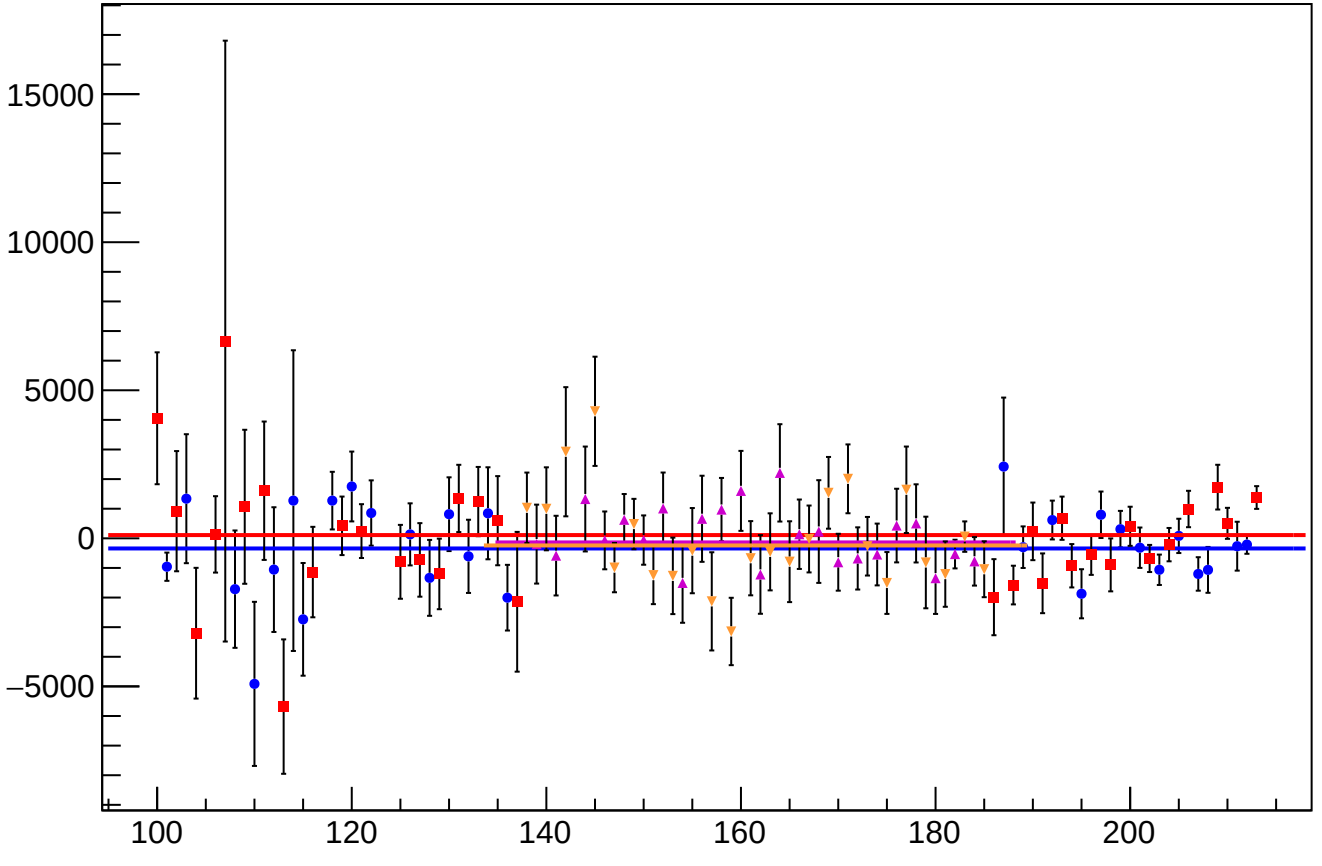
Right: 1509.134+/-0.178 χ^2/NDF: 464548.7/61

In: 1483.353+/-0.176 χ^2/NDF:158733.0/51

Out: 1496.525+/-0.173 χ^2/NDF:333515.1/56

All: 1490.020+/-0.123 χ^2/NDF: 495098.6/108

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -342.340+/-144.394 χ^2/NDF: 35.0/28

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

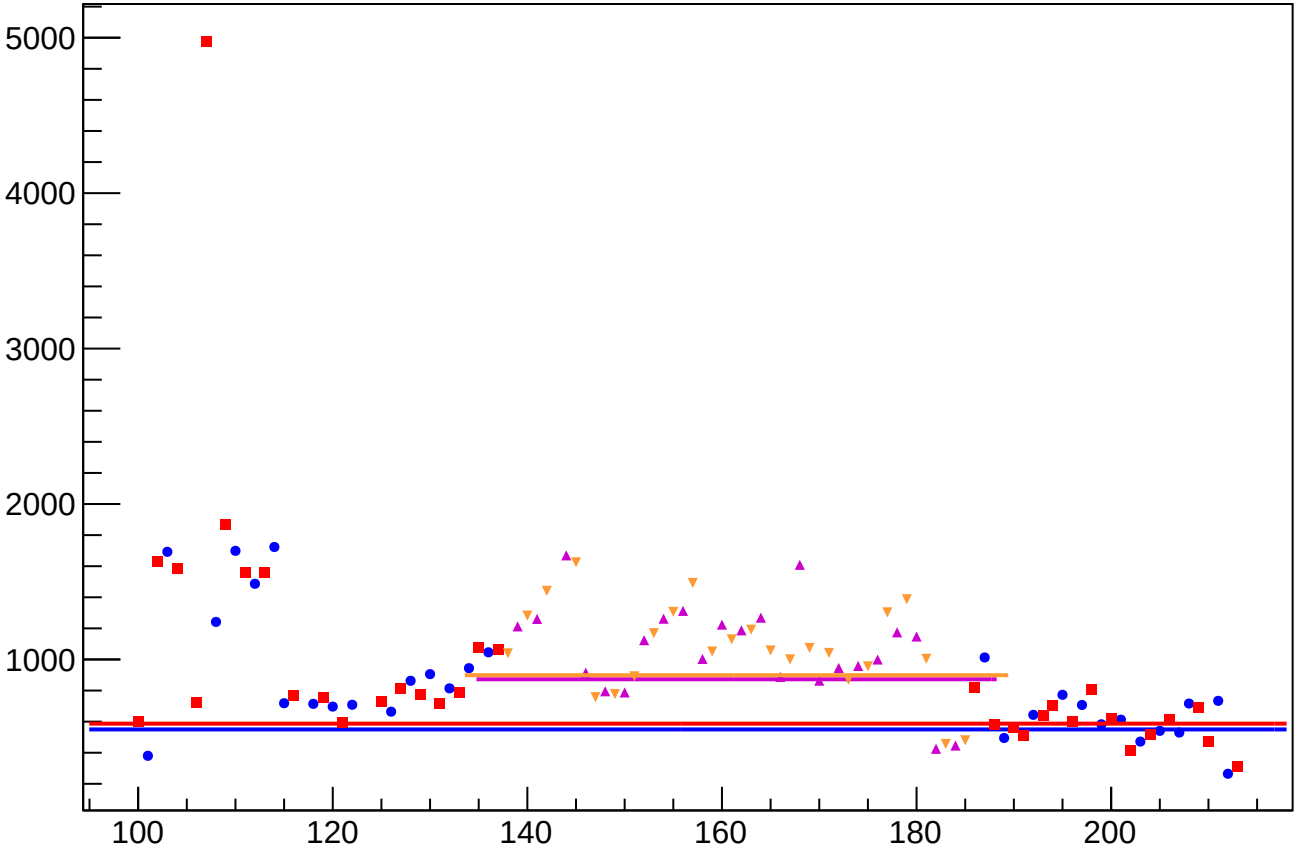
Right: -121.371+/-103.271 χ^2/NDF: 97.4/61

In: -280.347+/-120.462 χ^2/NDF:48.5/51

Out: 2.337+/-122.968 χ^2/NDF:91.8/56

All: -141.915+/-86.052 χ^2/NDF: 143.0/108

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 549.903+/-0.102 χ^2/NDF: 5271104.1/28

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

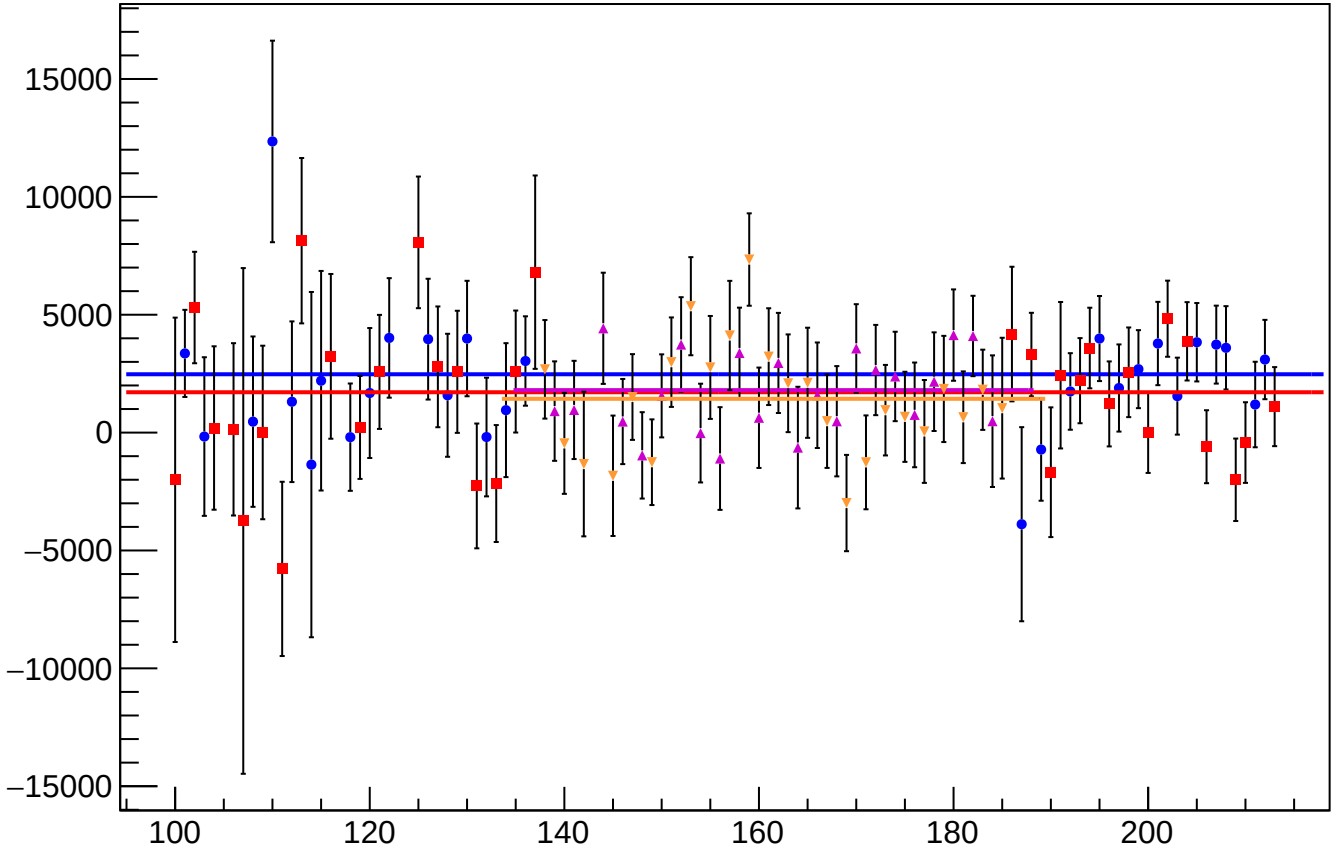
Right: 568.098+/-0.073 χ^2/NDF: 10186320.3/61

In: 647.967+/-0.085 χ^2/NDF:12740979.3/51

Out: 682.969+/-0.087 χ^2/NDF:11377660.0/56

All: 665.108+/-0.061 χ^2/NDF: 24201327.4/10

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2474.597+/-402.094 χ^2/NDF: 19.8/28

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

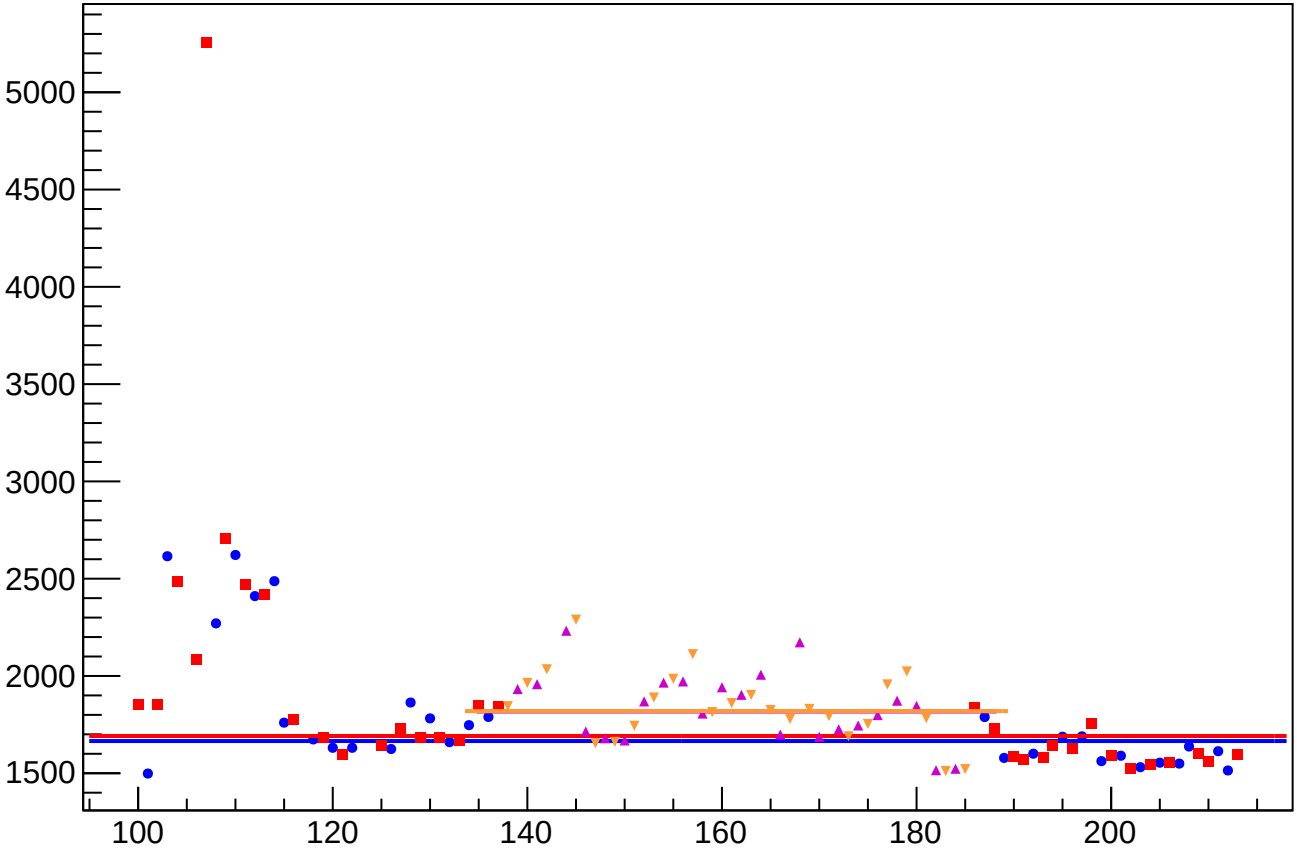
Right: 2085.364+/-281.392 χ^2/NDF: 64.7/61

In: 2157.863+/-292.566 χ^2/NDF:36.4/51

Out: 1582.924+/-288.742 χ^2/NDF:72.7/56

All: 1866.612+/-205.510 χ^2/NDF: 111.1/108

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1665.470+/-0.284 χ^2/NDF: 551942.3/28

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

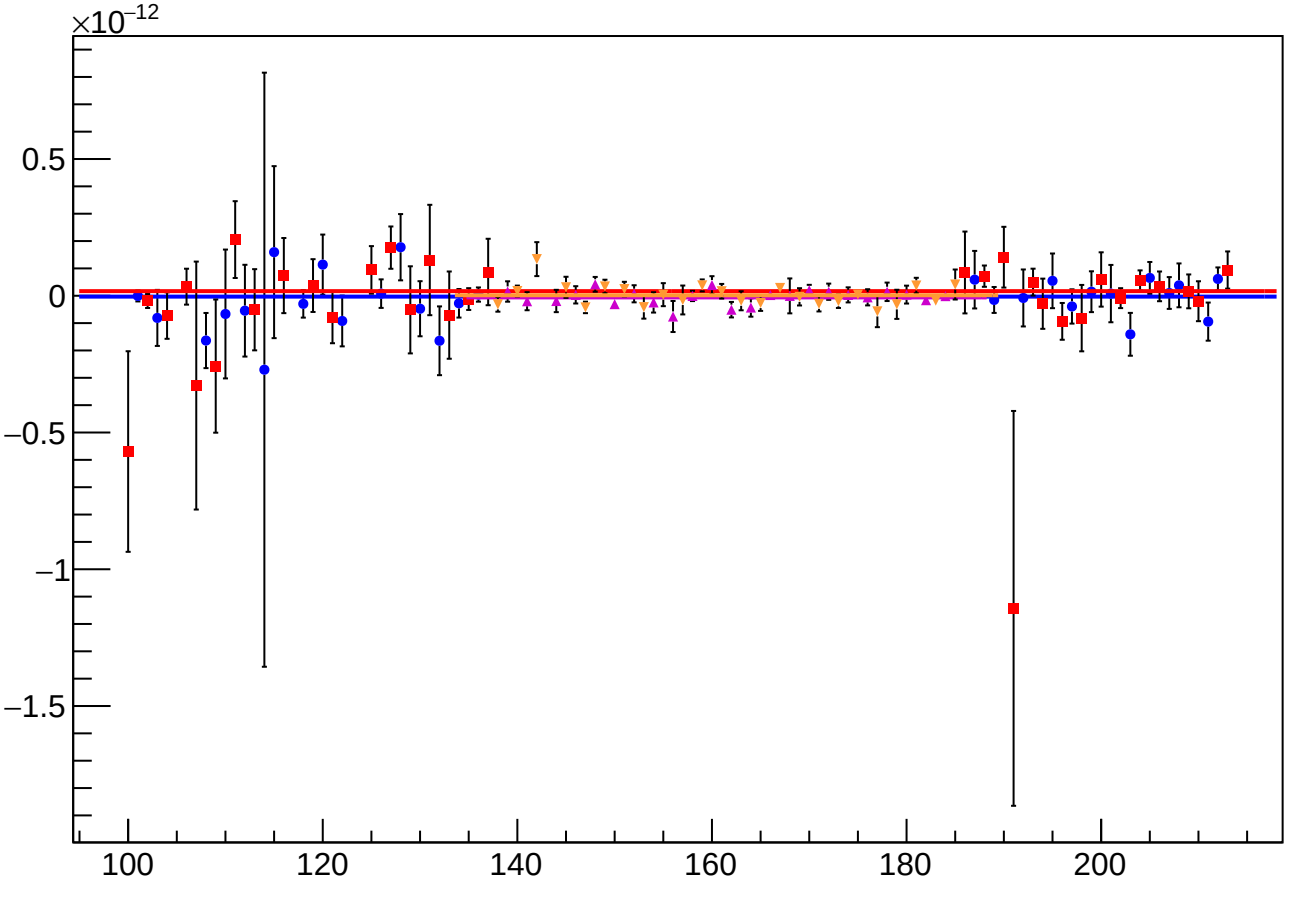
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1678.764+/-0.199 χ^2/NDF: 1367009.2/61

In: 1736.845+/-0.207 χ^2/NDF:992959.6/51

Out: 1750.705+/-0.204 χ^2/NDF:1203347.8/56

All: 1743.866+/-0.145 χ^2/NDF: 2198581.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/28

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

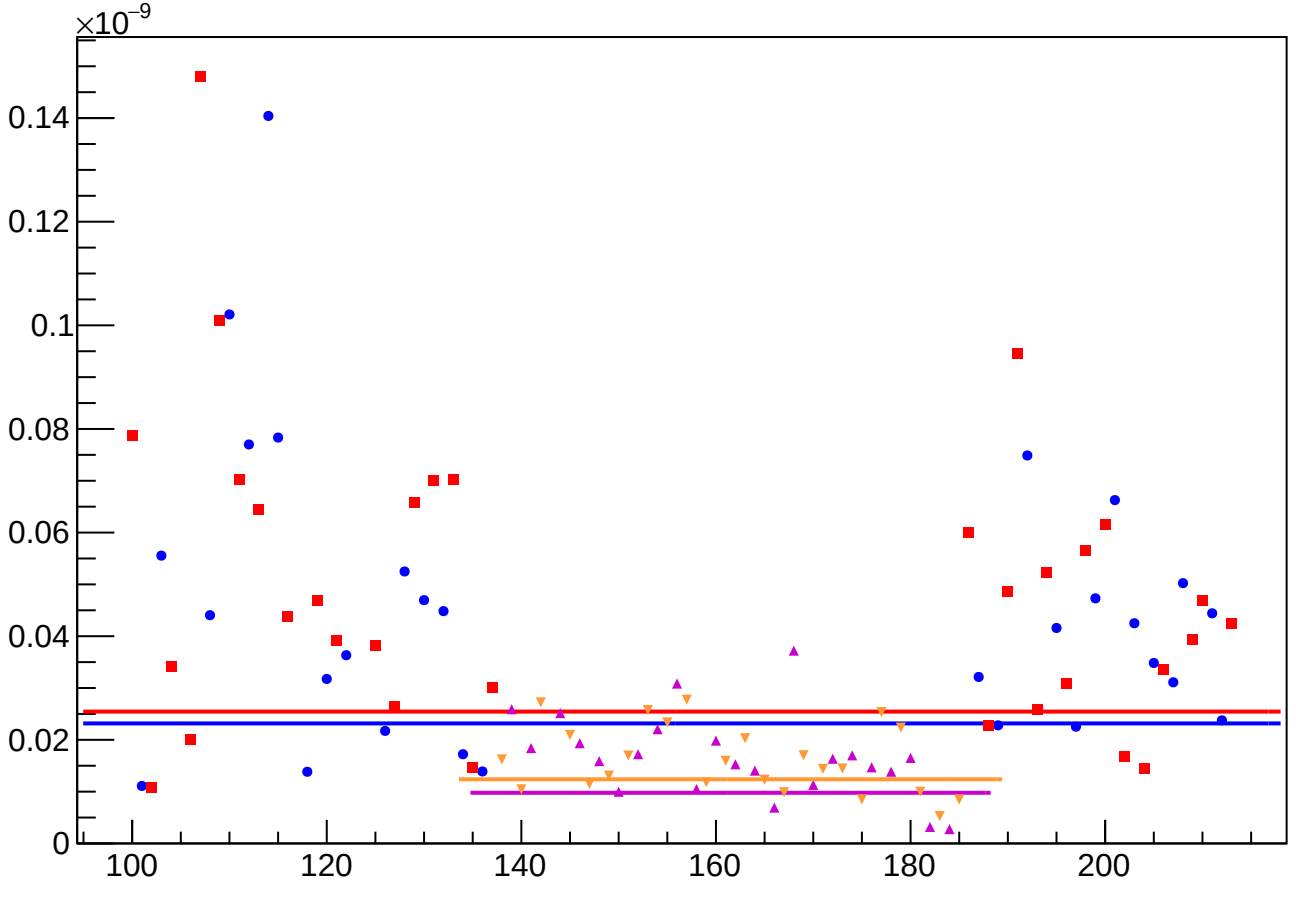
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 53.0/61

In: -0.000+/-0.000 χ^2/NDF:38.4/51

Out: 0.000+/-0.000 χ^2/NDF:61.8/56

All: -0.000+/-0.000 χ^2/NDF: 102.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 3997988.9/28

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

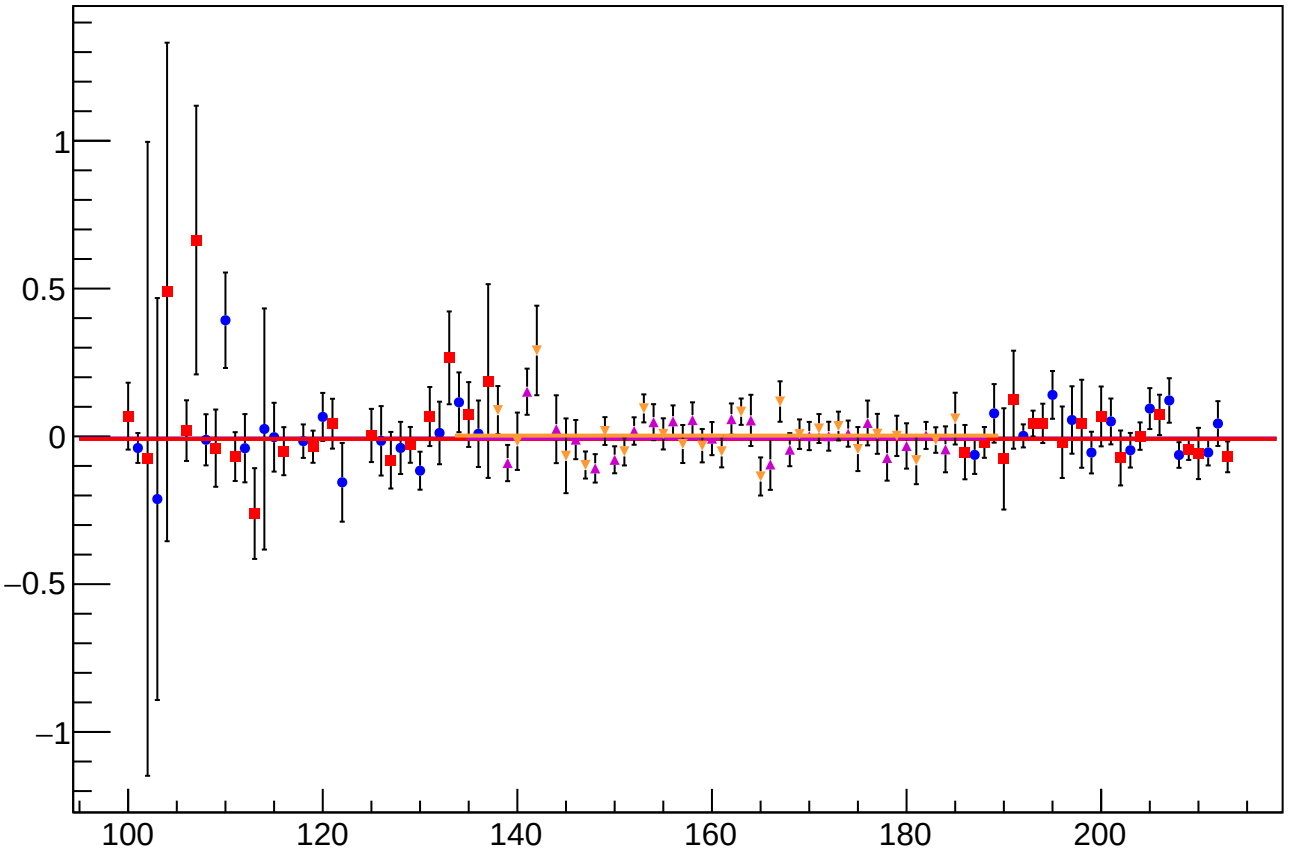
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 7755469.9/61

In: 0.000+/-0.000 χ^2/NDF:11132132.4/51

Out: 0.000+/-0.000 χ^2/NDF:7754869.9/56

All: 0.000+/-0.000 χ^2/NDF: 19262155.6/108



Right In: -0.007+/-0.014 χ^2/NDF: 28.3/28

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

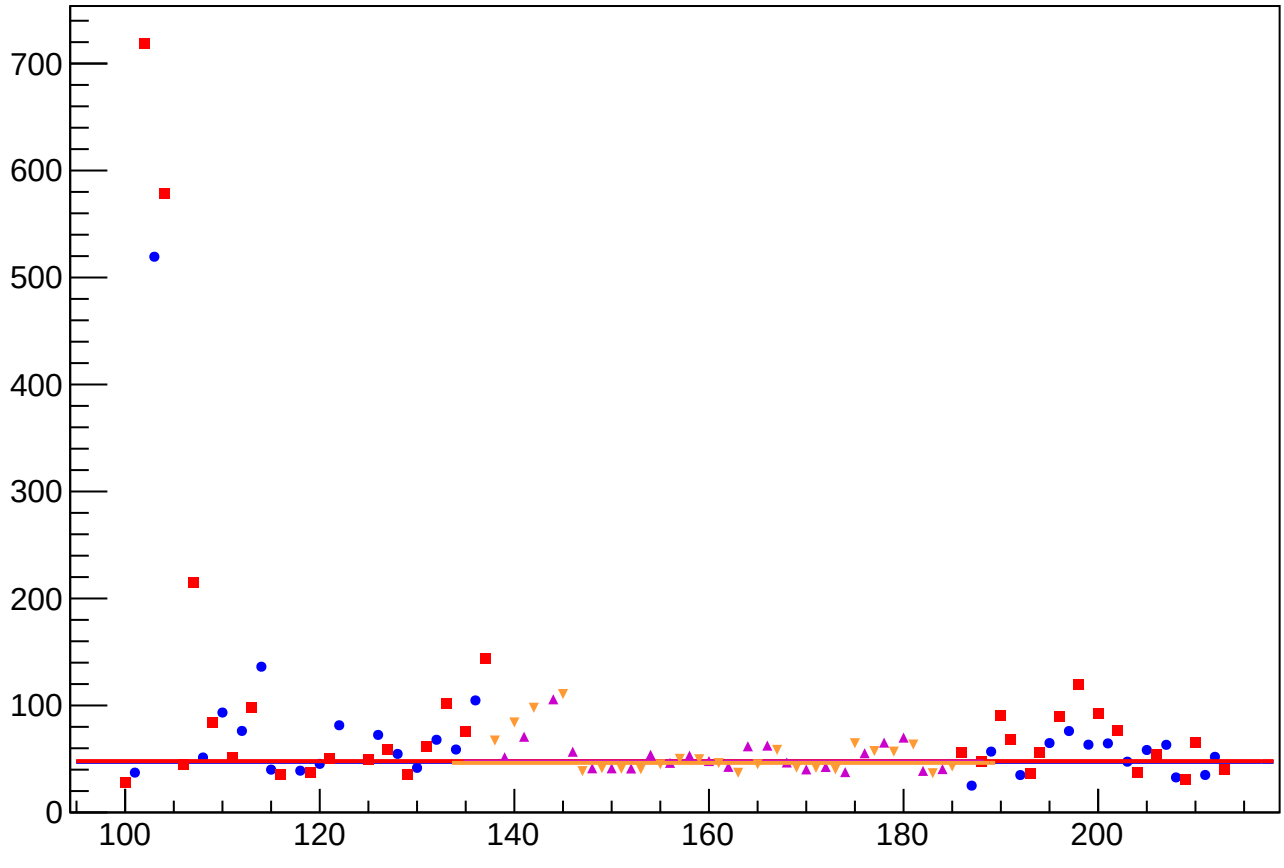
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.008+/-0.010 χ^2/NDF: 49.1/61

In: -0.007+/-0.009 χ^2/NDF:49.9/51

Out: -0.002+/-0.009 χ^2/NDF:51.1/56

All: -0.005+/-0.006 χ^2/NDF: 101.1/108



Right In: 47.279+/-0.010 χ^2/NDF: 3773424.5/28

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

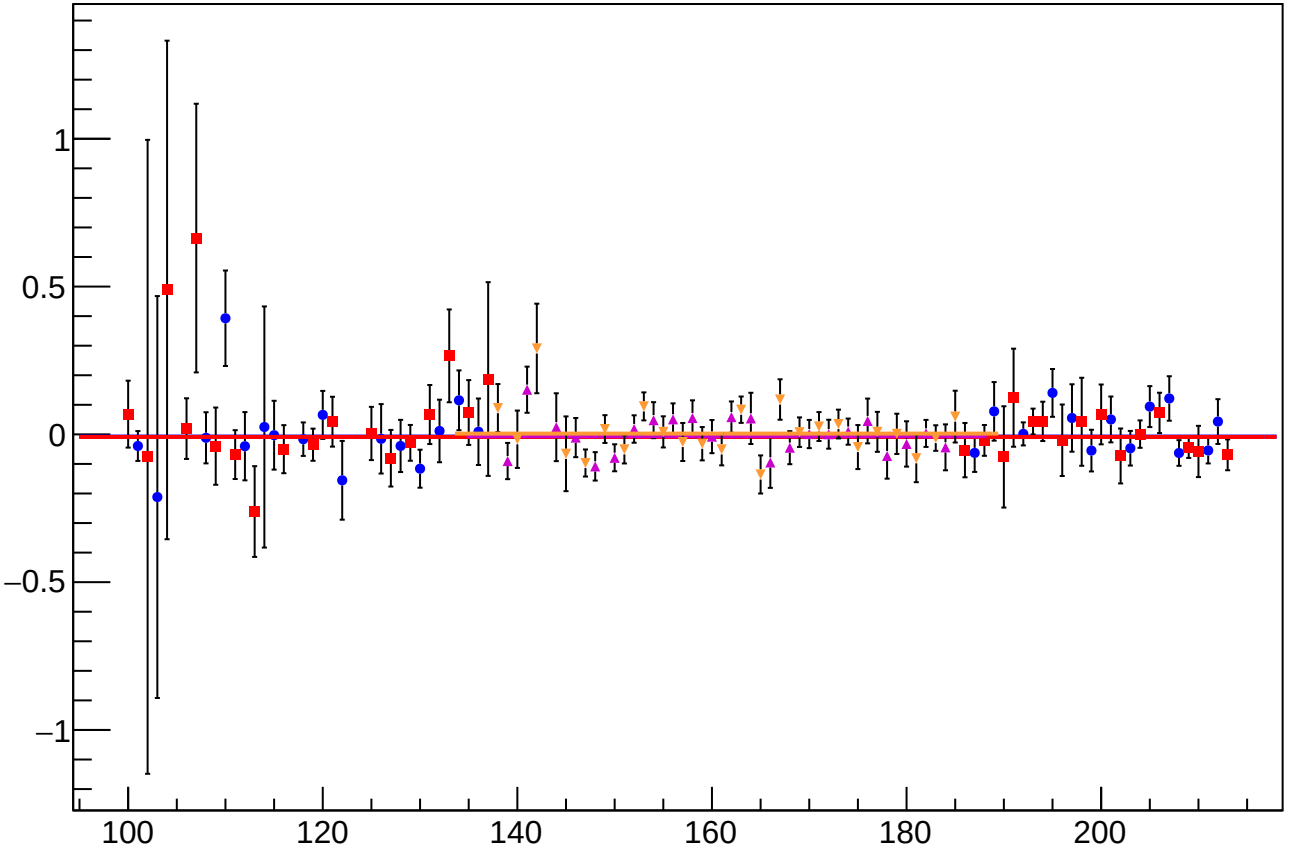
Right: 47.628+/-0.007 χ^2/NDF: 9172459.9/61

In: 47.443+/-0.006 χ^2/NDF:5350151.0/51

Out: 47.056+/-0.006 χ^2/NDF:7380293.1/56

All: 47.248+/-0.005 χ^2/NDF: 12732293.1/108

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.014 χ^2/NDF: 28.3/28

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

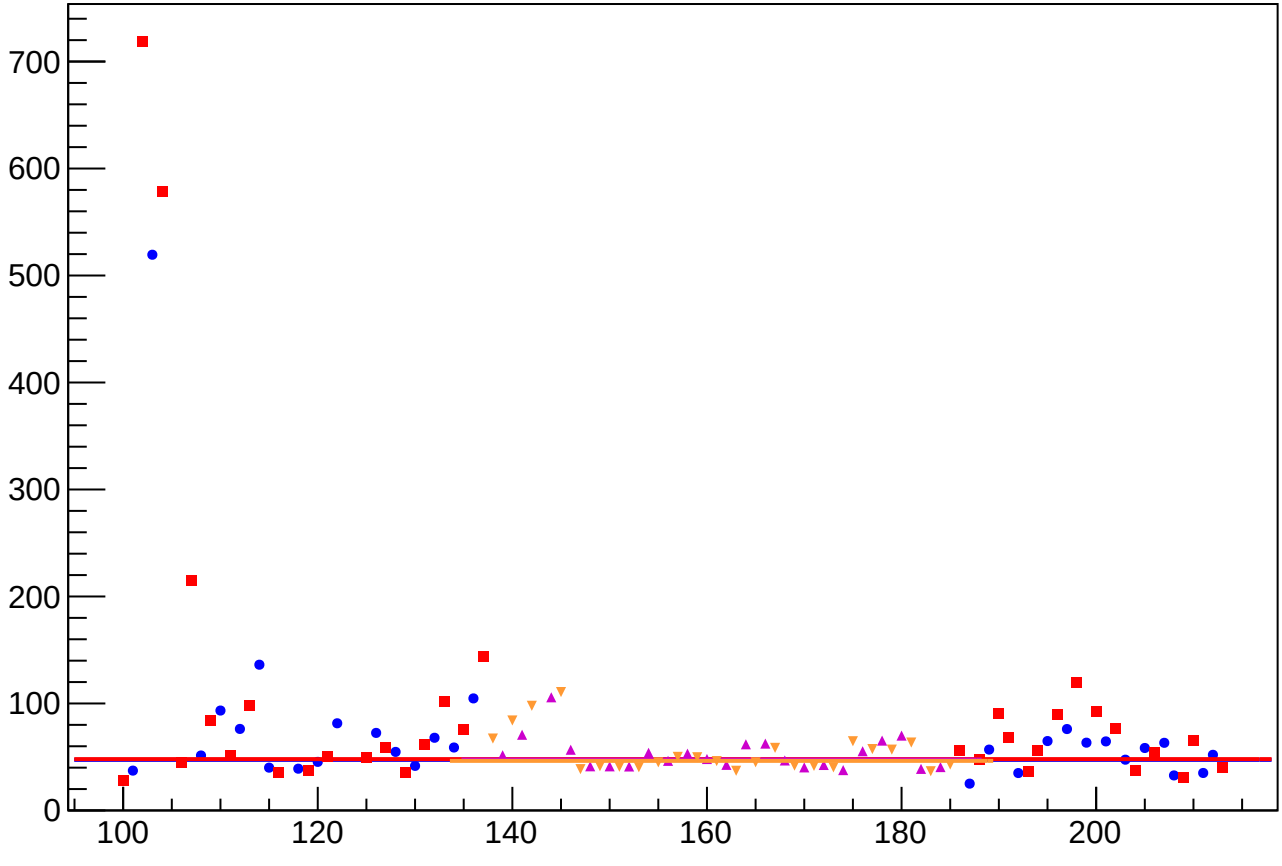
Right: -0.008+/-0.010 χ^2/NDF: 49.1/61

In: -0.007+/-0.009 χ^2/NDF:49.9/51

Out: -0.002+/-0.009 χ^2/NDF:51.1/56

All: -0.005+/-0.006 χ^2/NDF: 101.1/108

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.279+/-0.010 χ^2/NDF: 3773424.5/28

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

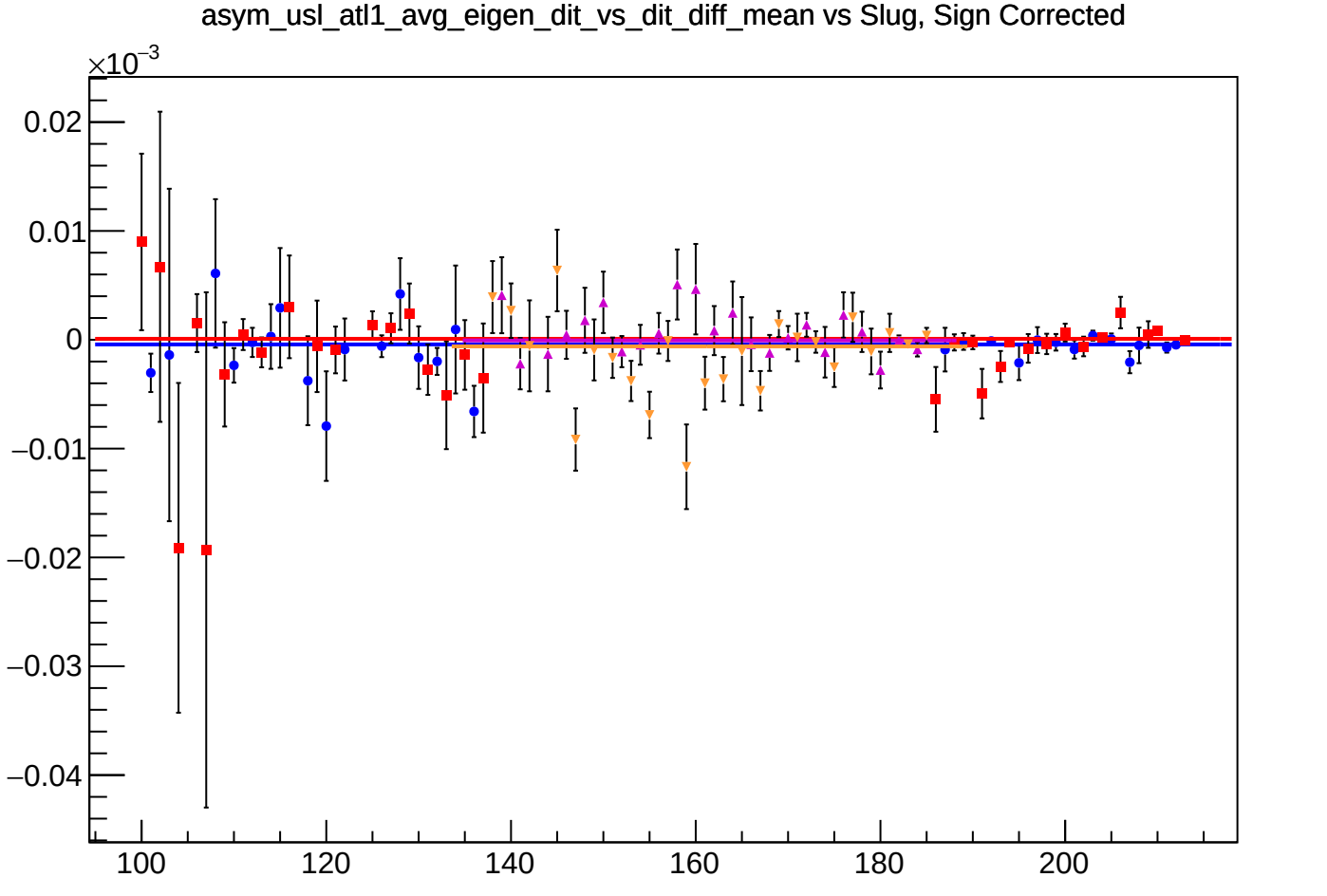
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 47.628+/-0.007 χ^2/NDF: 9172459.9/61

In: 47.443+/-0.006 χ^2/NDF:5350151.0/51

Out: 47.056+/-0.006 χ^2/NDF:7380293.1/56

All: 47.248+/-0.005 χ^2/NDF: 12732293.1/108



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/28

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

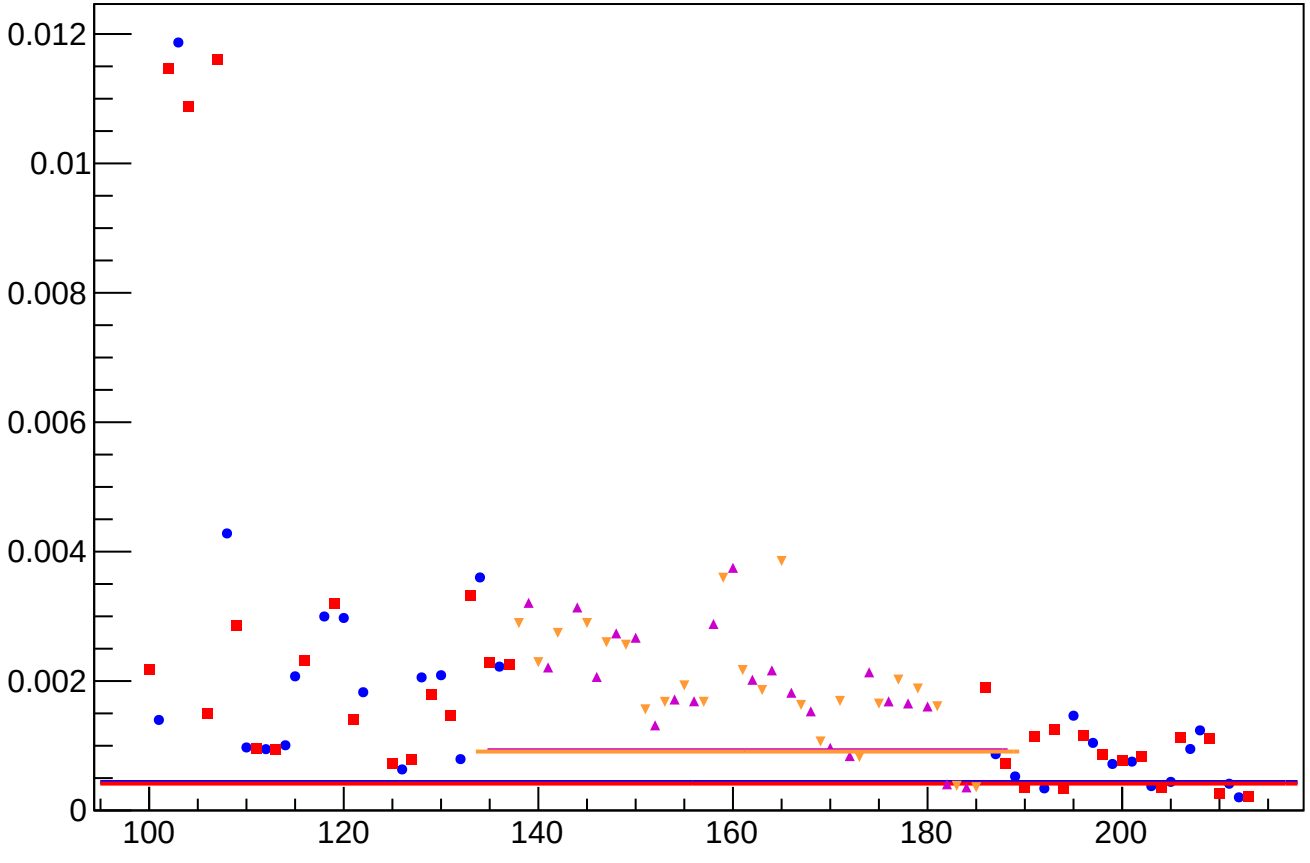
Right: -0.000+/-0.000 χ^2/NDF: 71.0/61

In: -0.000+/-0.000 χ^2/NDF:47.4/51

Out: -0.000+/-0.000 χ^2/NDF:94.9/56

All: -0.000+/-0.000 χ^2/NDF: 145.4/108

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 13252691.9/28

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

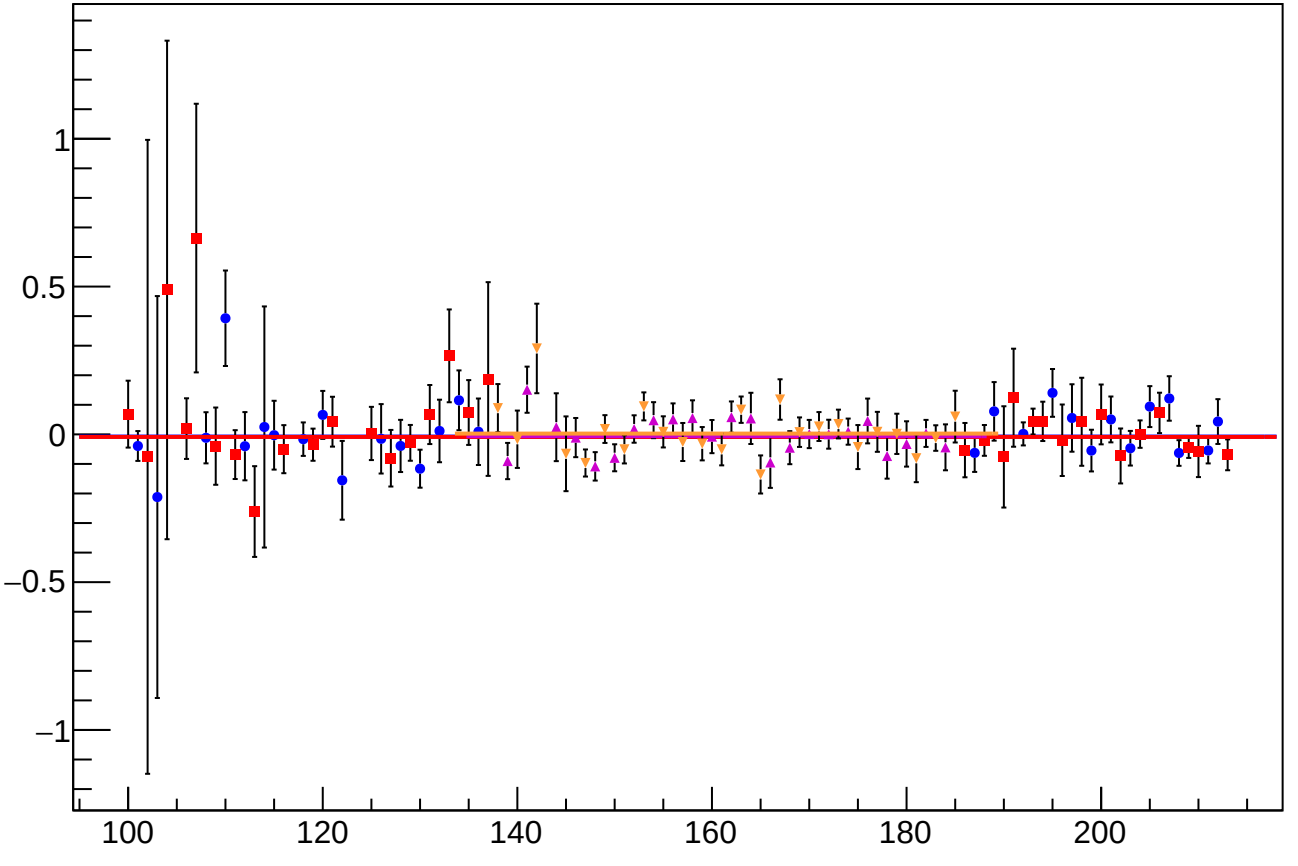
Right: 0.000+/-0.000 χ^2/NDF: 28831047.4/61

In: 0.001+/-0.000 χ^2/NDF:31780806.7/51

Out: 0.001+/-0.000 χ^2/NDF:34856427.9/56

All: 0.001+/-0.000 χ^2/NDF: 66707032.4/108

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.014 χ^2/NDF: 28.3/28

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

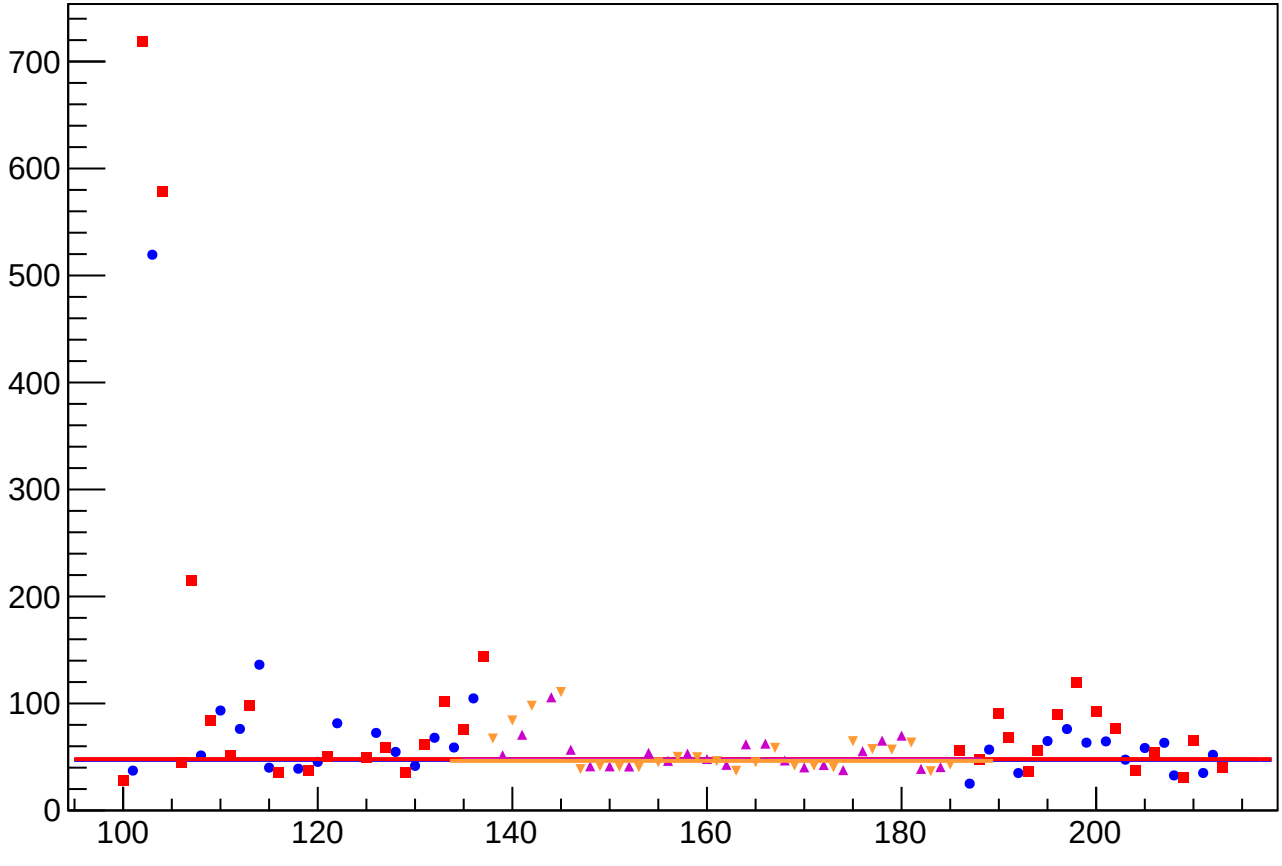
Right: -0.008+/-0.010 χ^2/NDF: 49.1/61

In: -0.007+/-0.009 χ^2/NDF:49.9/51

Out: -0.002+/-0.009 χ^2/NDF:51.1/56

All: -0.005+/-0.006 χ^2/NDF: 101.1/108

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.279+/-0.010 χ^2/NDF: 3773446.3/28

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

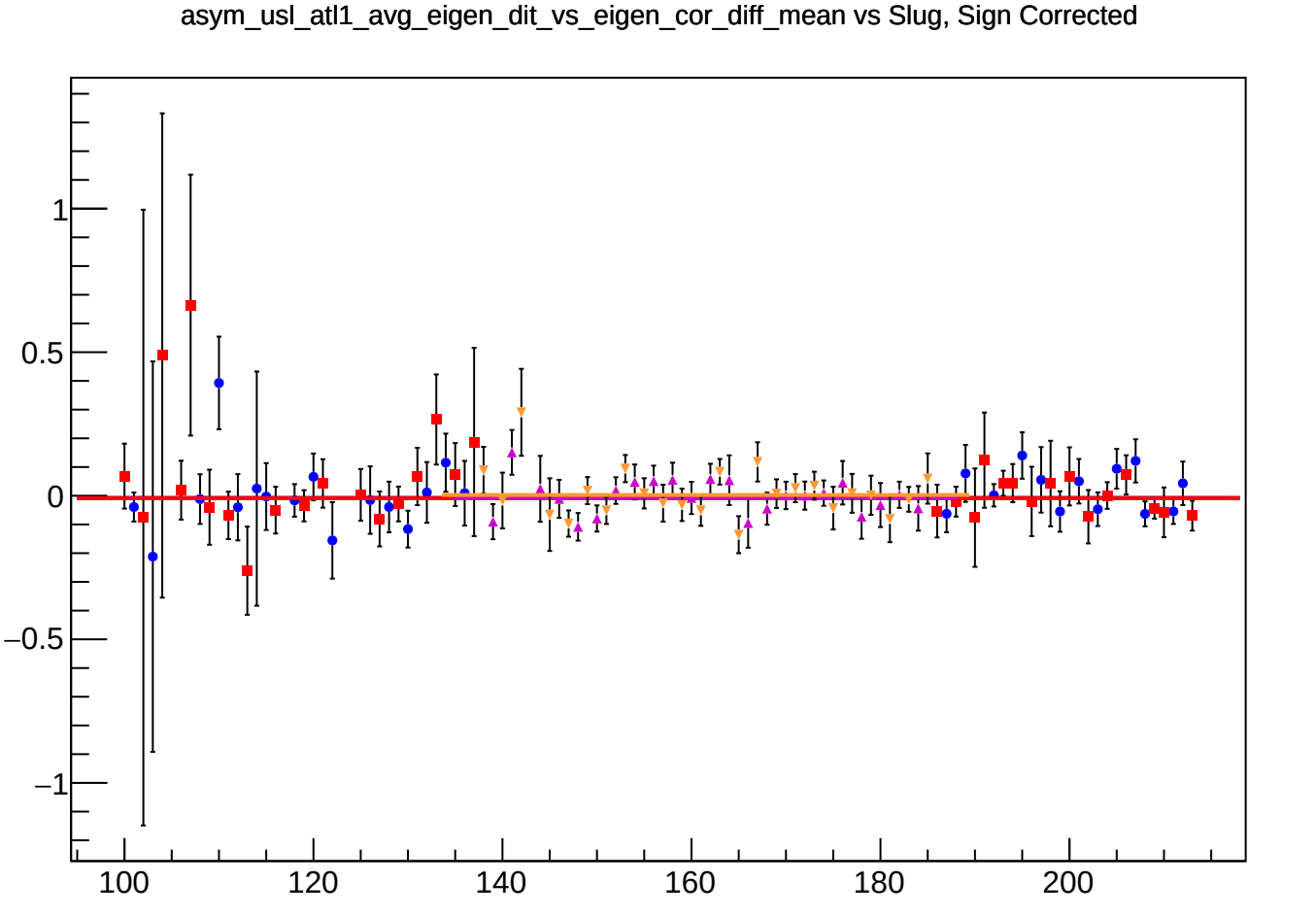
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 47.628+/-0.007 χ^2/NDF: 9172455.6/61

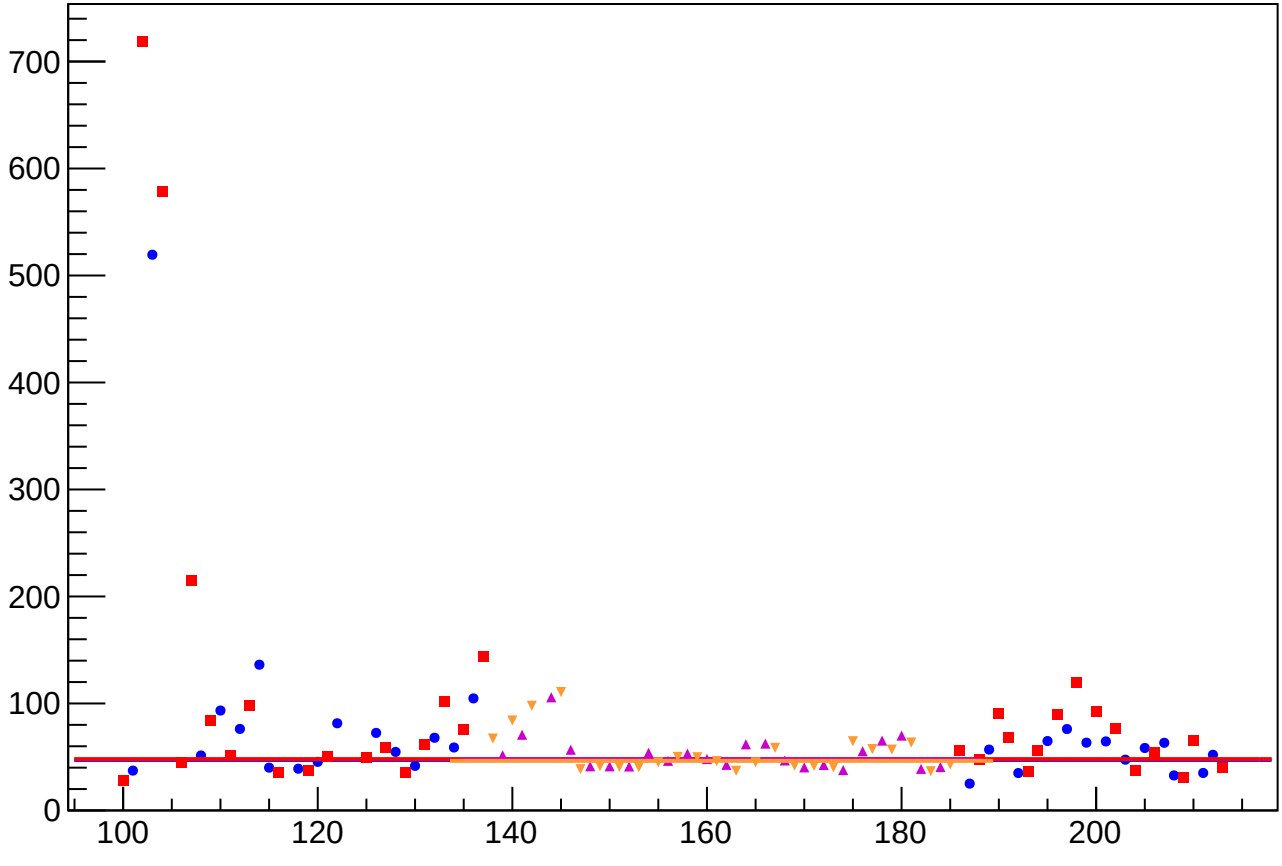
In: 47.443+/-0.006 χ^2/NDF:5350181.6/51

Out: 47.056+/-0.006 χ^2/NDF:7380249.6/56

All: 47.248+/-0.005 χ^2/NDF: 12732279.9/108


asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: -0.007+/-0.014 χ²/NDF: 28.3/28
Left Out: 0.003+/-0.012 χ²/NDF:29.9/23
Right Out: -0.009+/-0.014 χ²/NDF: 20.8/32
Left In: -0.006+/-0.012 χ²/NDF:21.6/22
Left: -0.002+/-0.008 χ²/NDF: 51.8/46
Right: -0.008+/-0.010 χ²/NDF: 49.1/61
In: -0.007+/-0.009 χ²/NDF:49.9/51
Out: -0.002+/-0.009 χ²/NDF:51.1/56
All: -0.005+/-0.006 χ²/NDF: 101.1/108

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.279+/-0.010 χ^2/NDF: 3773446.3/28

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

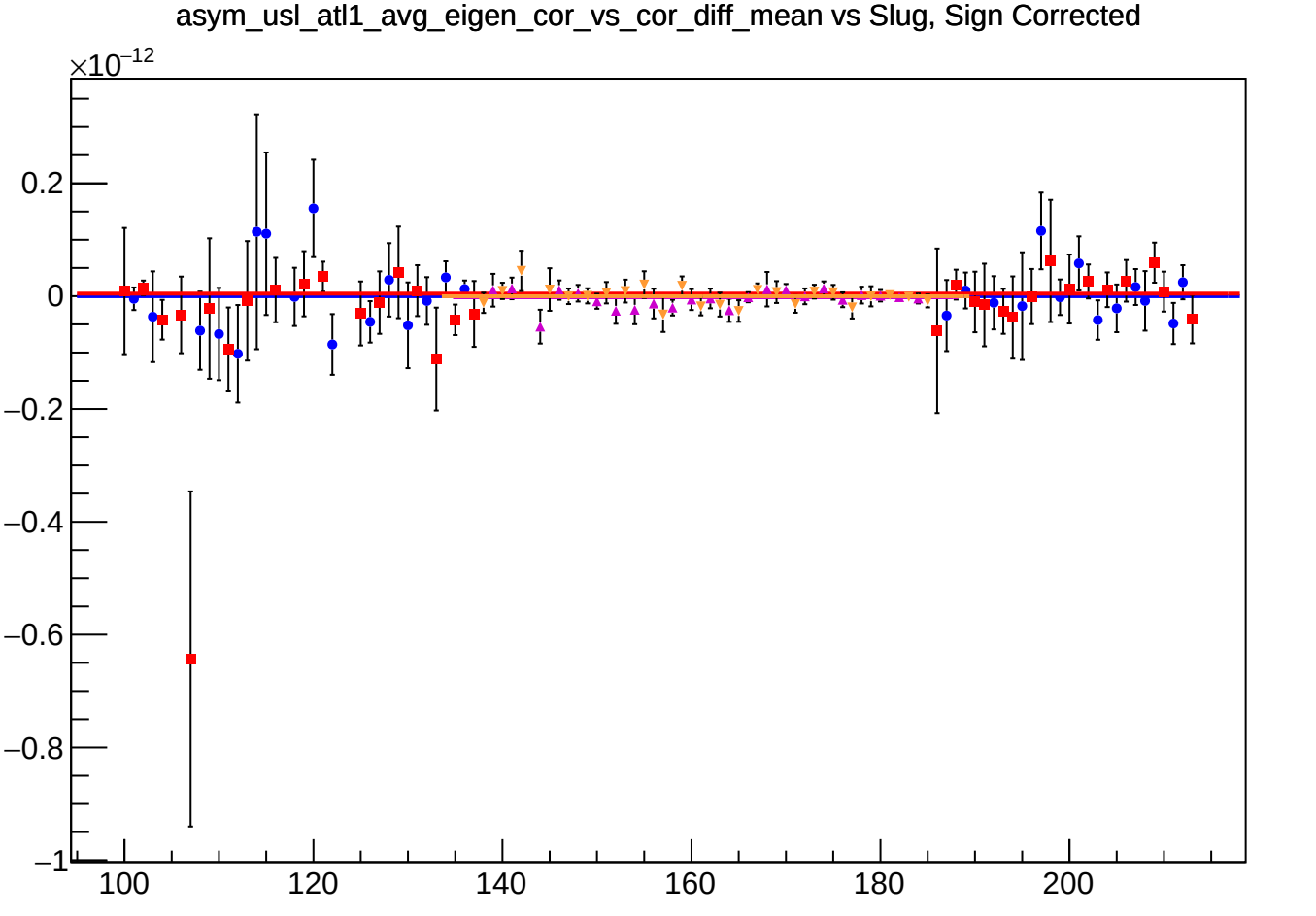
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 47.628+/-0.007 χ^2/NDF: 9172455.6/61

In: 47.443+/-0.006 χ^2/NDF:5350181.6/51

Out: 47.056+/-0.006 χ^2/NDF:7380249.6/56

All: 47.248+/-0.005 χ^2/NDF: 12732279.9/108



Right In: -0.000+/-0.000 χ^2/NDF: 23.4/28

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

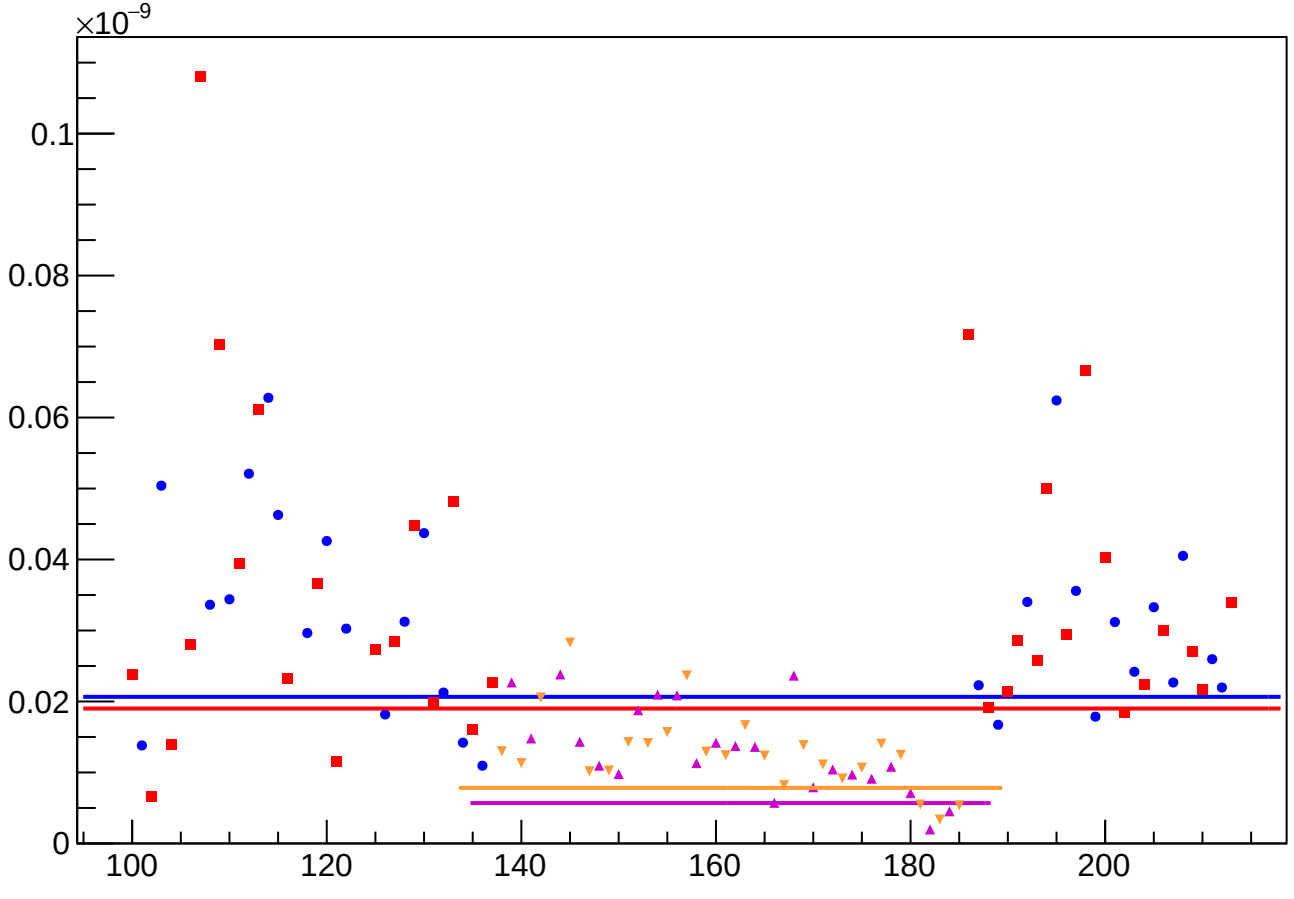
Right: 0.000+/-0.000 χ^2/NDF: 46.3/61

In: -0.000+/-0.000 χ^2/NDF:36.8/51

Out: 0.000+/-0.000 χ^2/NDF:37.0/56

All: -0.000+/-0.000 χ^2/NDF: 74.3/108

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3781114.5/28

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

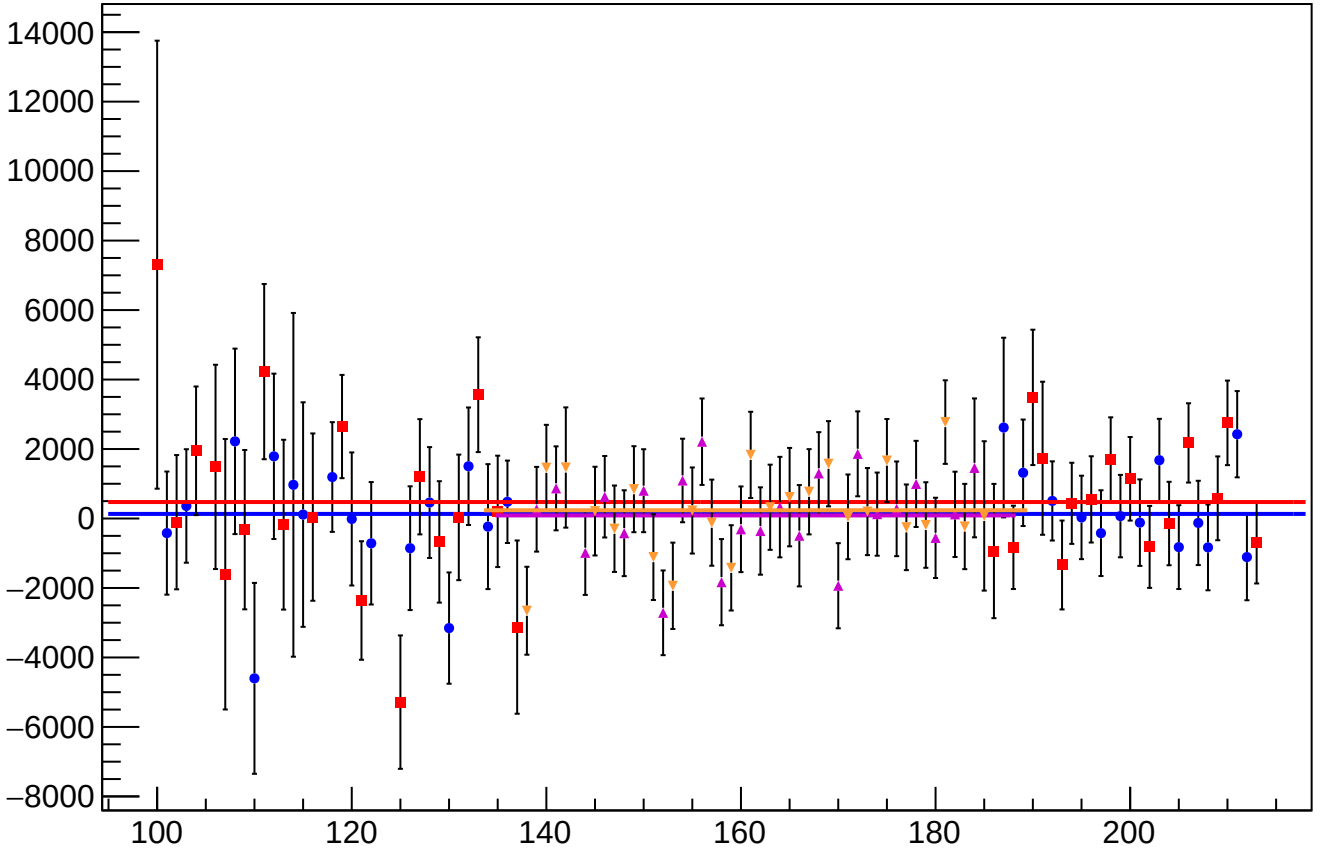
Right: 0.000+/-0.000 χ^2/NDF: 9610689.7/61

In: 0.000+/-0.000 χ^2/NDF:22949171.3/51

Out: 0.000+/-0.000 χ^2/NDF:16830281.3/56

All: 0.000+/-0.000 χ^2/NDF: 40838783.8/108

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 132.029+/-279.322 χ^2/NDF: 19.5/28

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

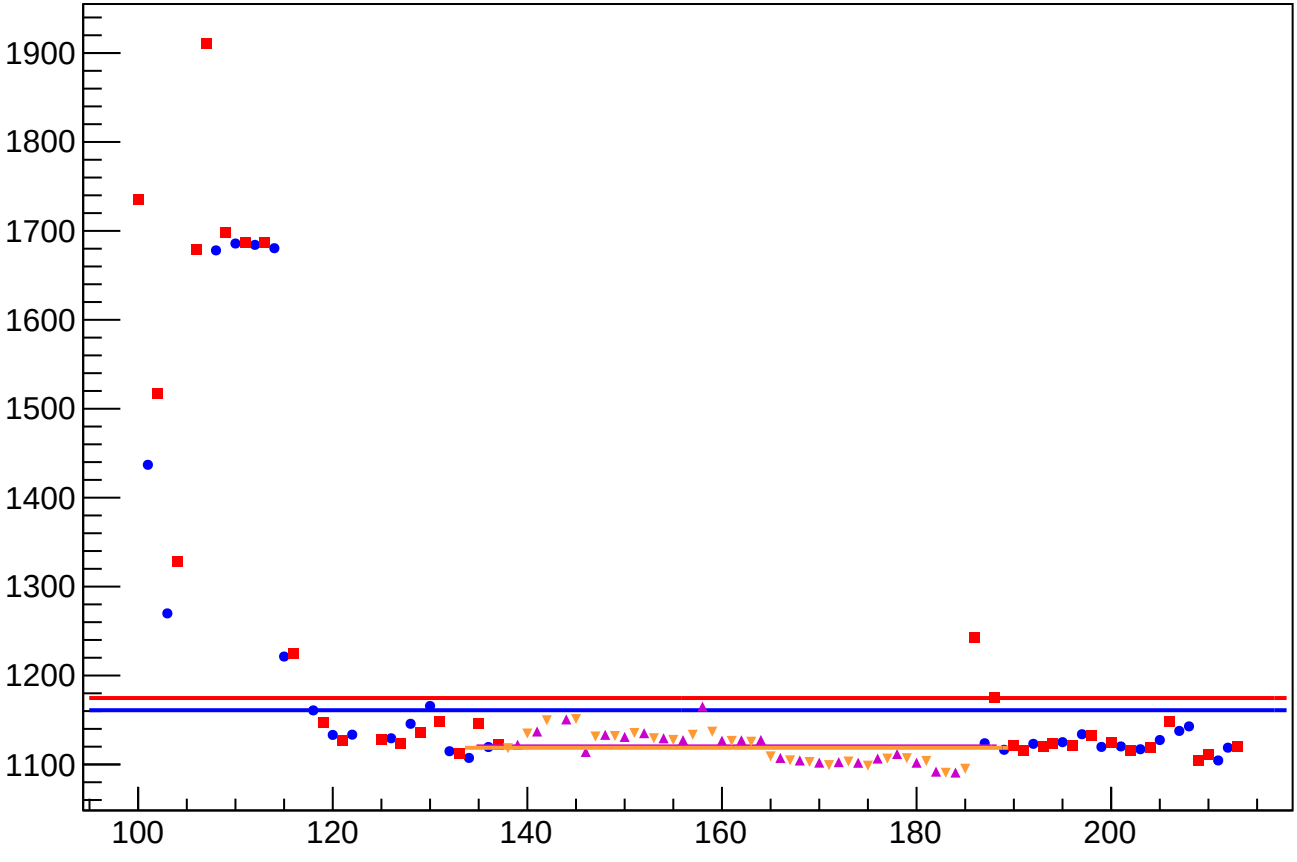
Right: 307.476+/-194.994 χ^2/NDF: 61.1/61

In: 108.776+/-190.938 χ^2/NDF:40.4/51

Out: 349.774+/-187.933 χ^2/NDF:63.9/56

All: 231.186+/-133.938 χ^2/NDF: 105.1/108

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1160.984+/-0.198 χ^2/NDF: 355741.0/28

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

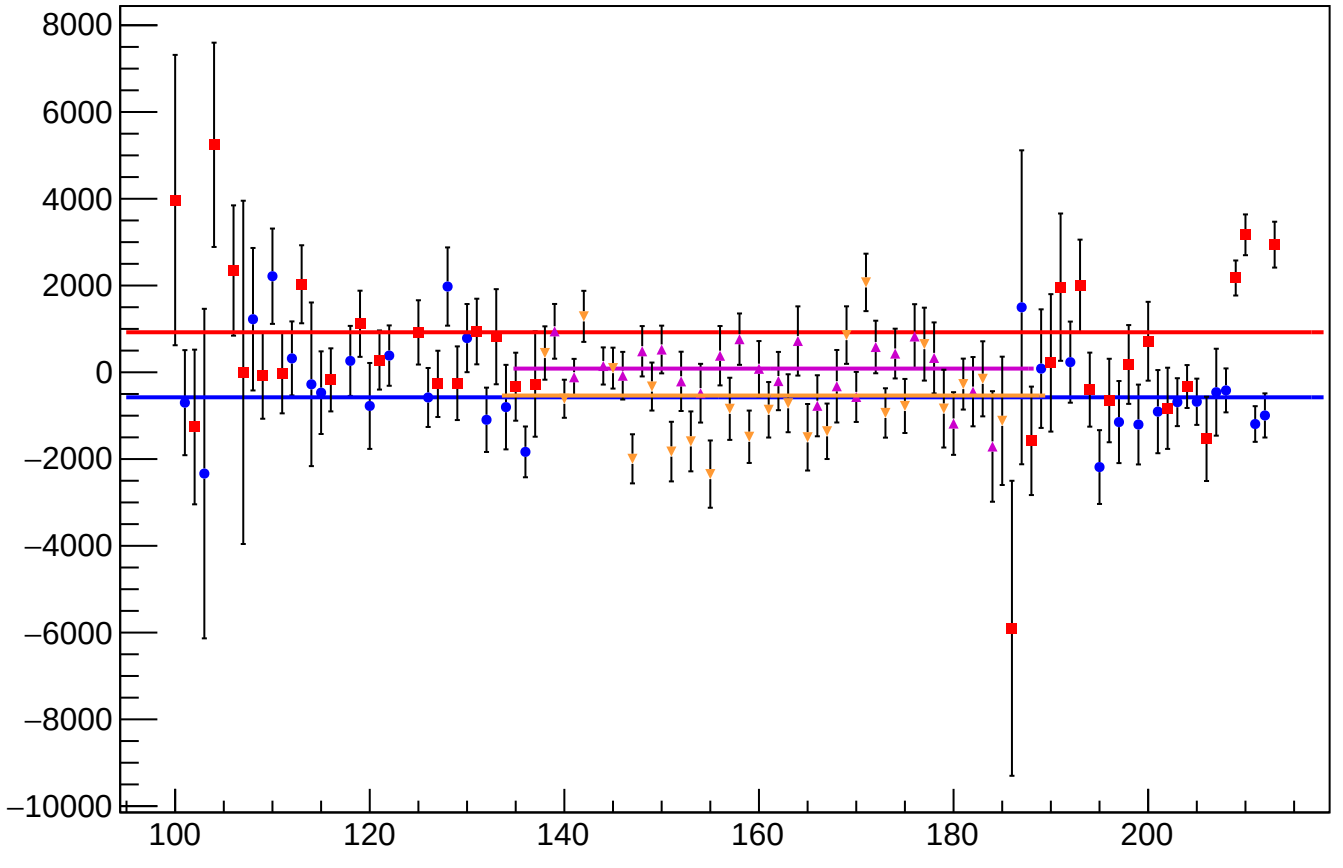
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1168.010+/-0.138 χ^2/NDF: 915670.3/61

In: 1139.315+/-0.135 χ^2/NDF:387814.2/51

Out: 1145.380+/-0.133 χ^2/NDF:609891.8/56

All: 1142.395+/-0.095 χ^2/NDF: 998730.8/108



Right In: -576.524+/-144.143 χ^2/NDF: 37.2/28

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

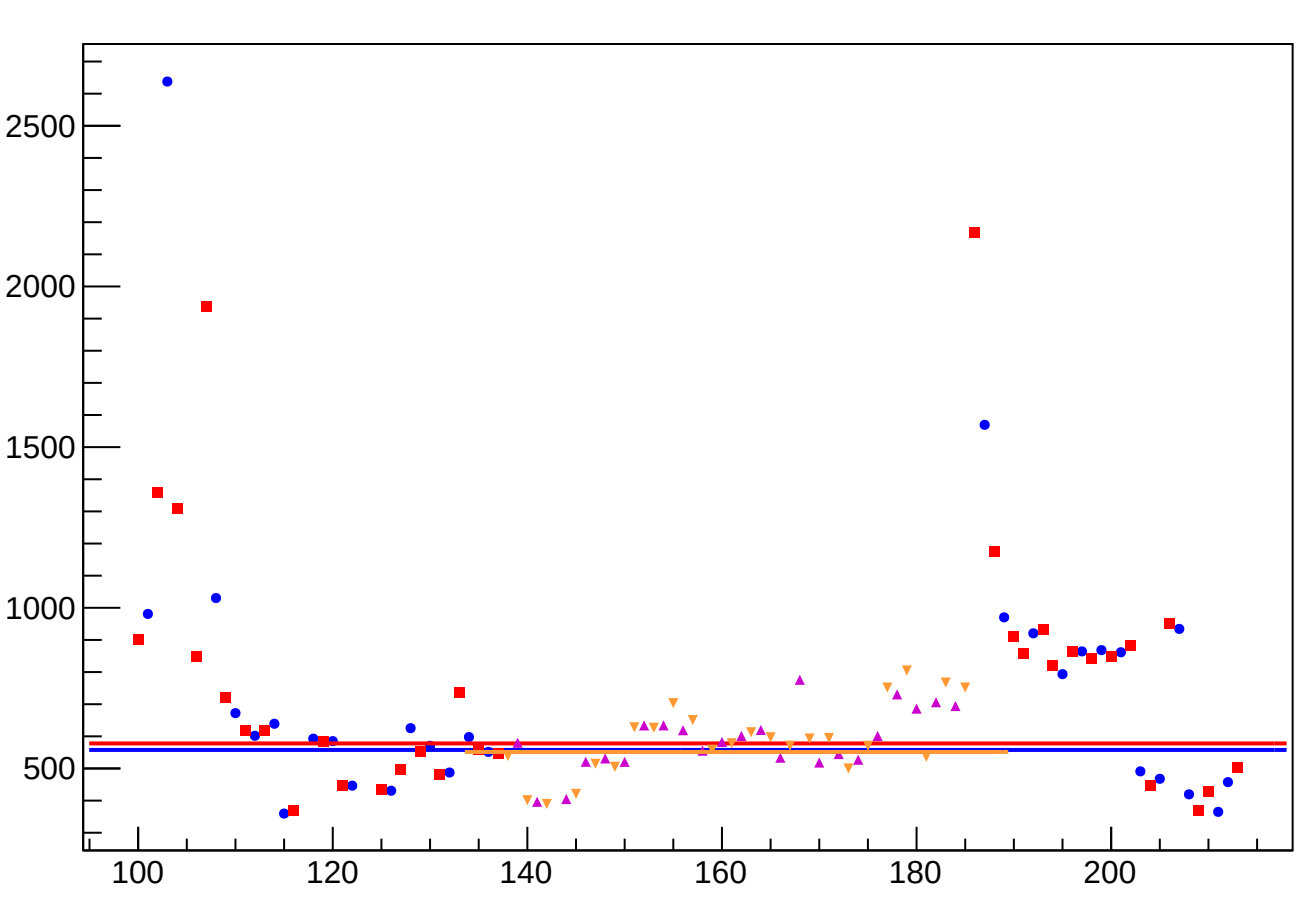
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 170.782+/-102.086 χ^2/NDF: 191.2/61

In: -214.011+/-96.931 χ^2/NDF:65.9/51

Out: 119.707+/-96.940 χ^2/NDF:217.6/56

All: -47.167+/-68.544 χ^2/NDF: 289.4/108



Right In: 557.706+/-0.102 χ^2/NDF: 3753696.6/28

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

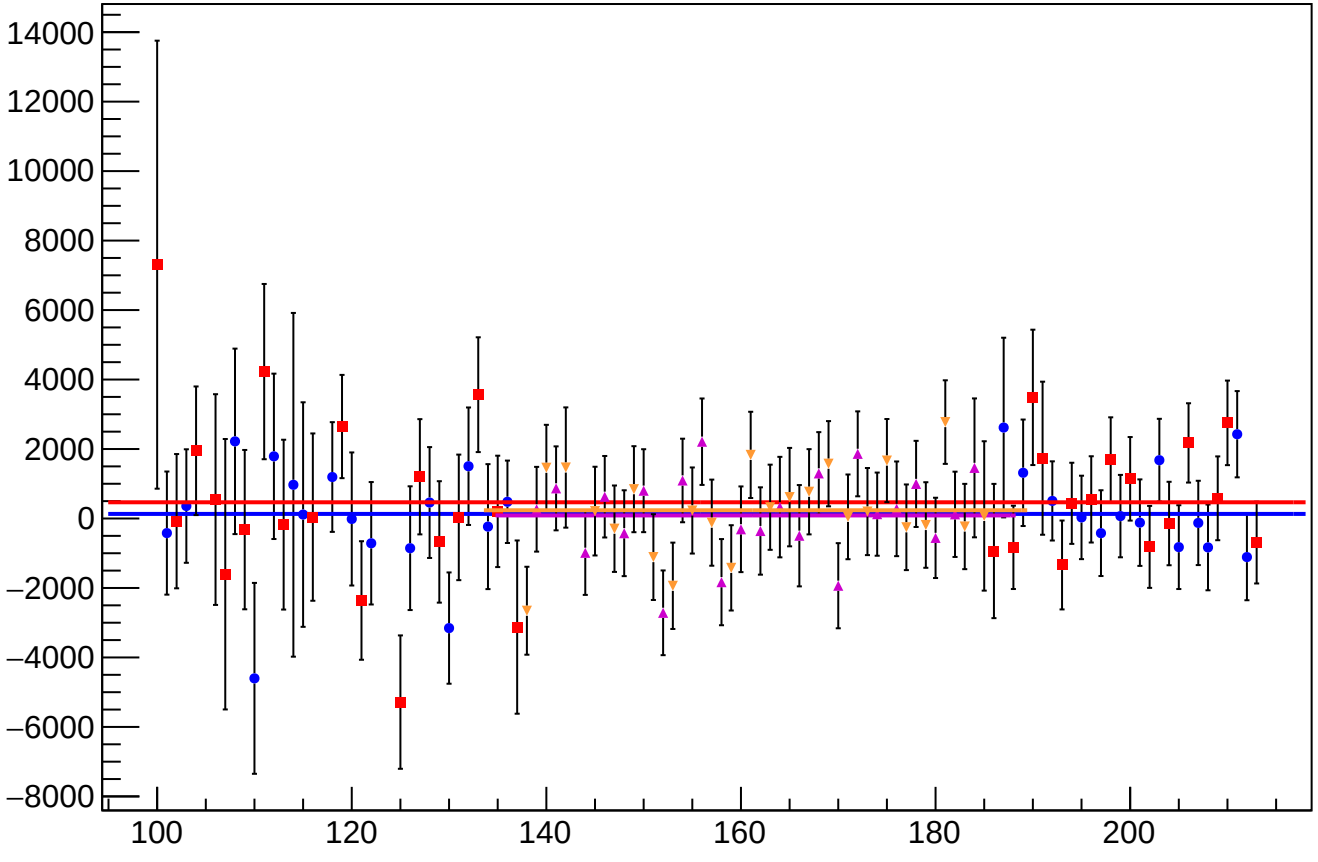
Right: 567.796+/-0.072 χ^2/NDF: 8506885.3/61

In: 554.217+/-0.069 χ^2/NDF:4817600.3/51

Out: 563.355+/-0.069 χ^2/NDF:5997153.9/56

All: 558.785+/-0.048 χ^2/NDF: 10823640.7/10

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 131.874+/-279.322 χ^2/NDF: 19.5/28

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

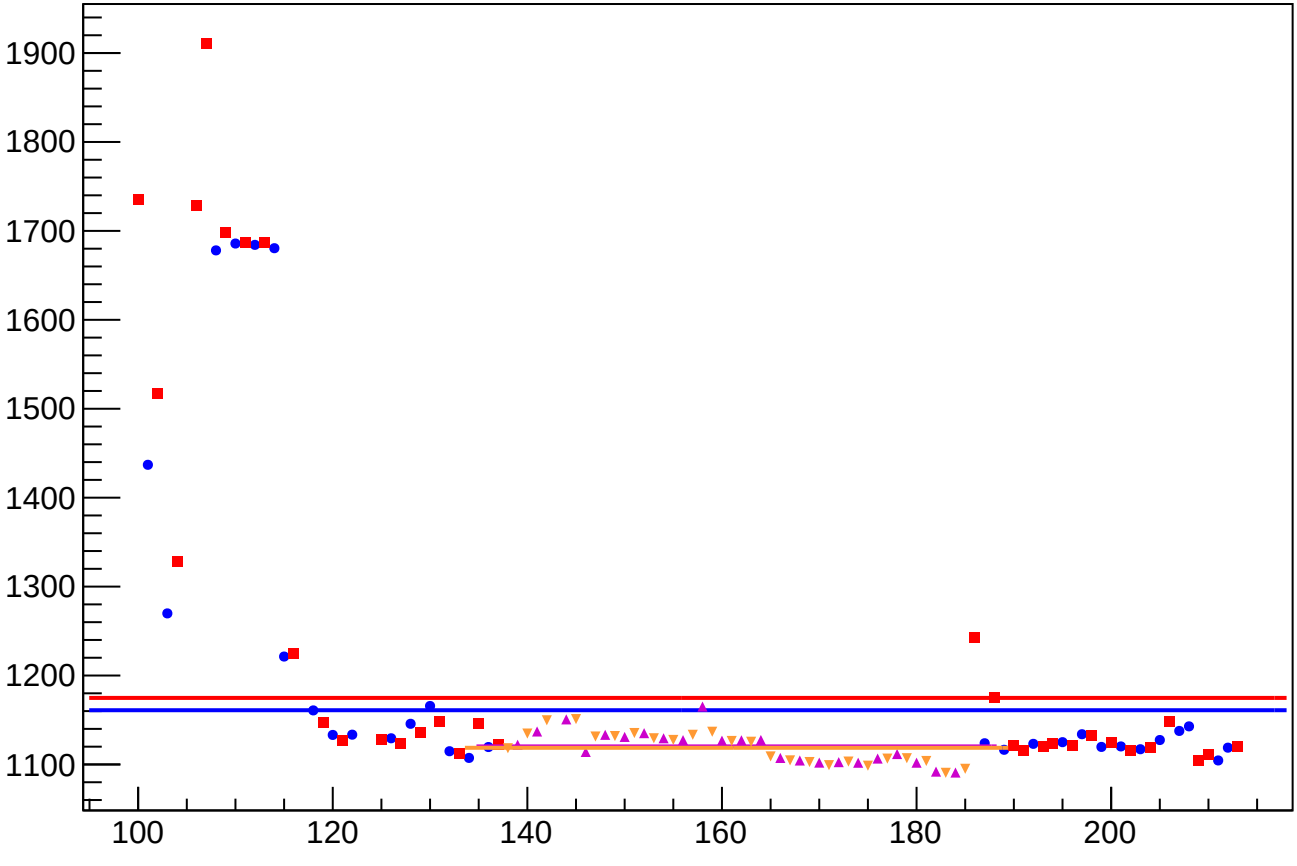
Right: 303.496+/-195.020 χ^2/NDF: 60.9/61

In: 108.698+/-190.938 χ^2/NDF:40.4/51

Out: 346.180+/-187.956 χ^2/NDF:63.8/56

All: 229.308+/-133.947 χ^2/NDF: 105.0/108

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1160.984+/-0.198 χ^2/NDF: 355741.1/28

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

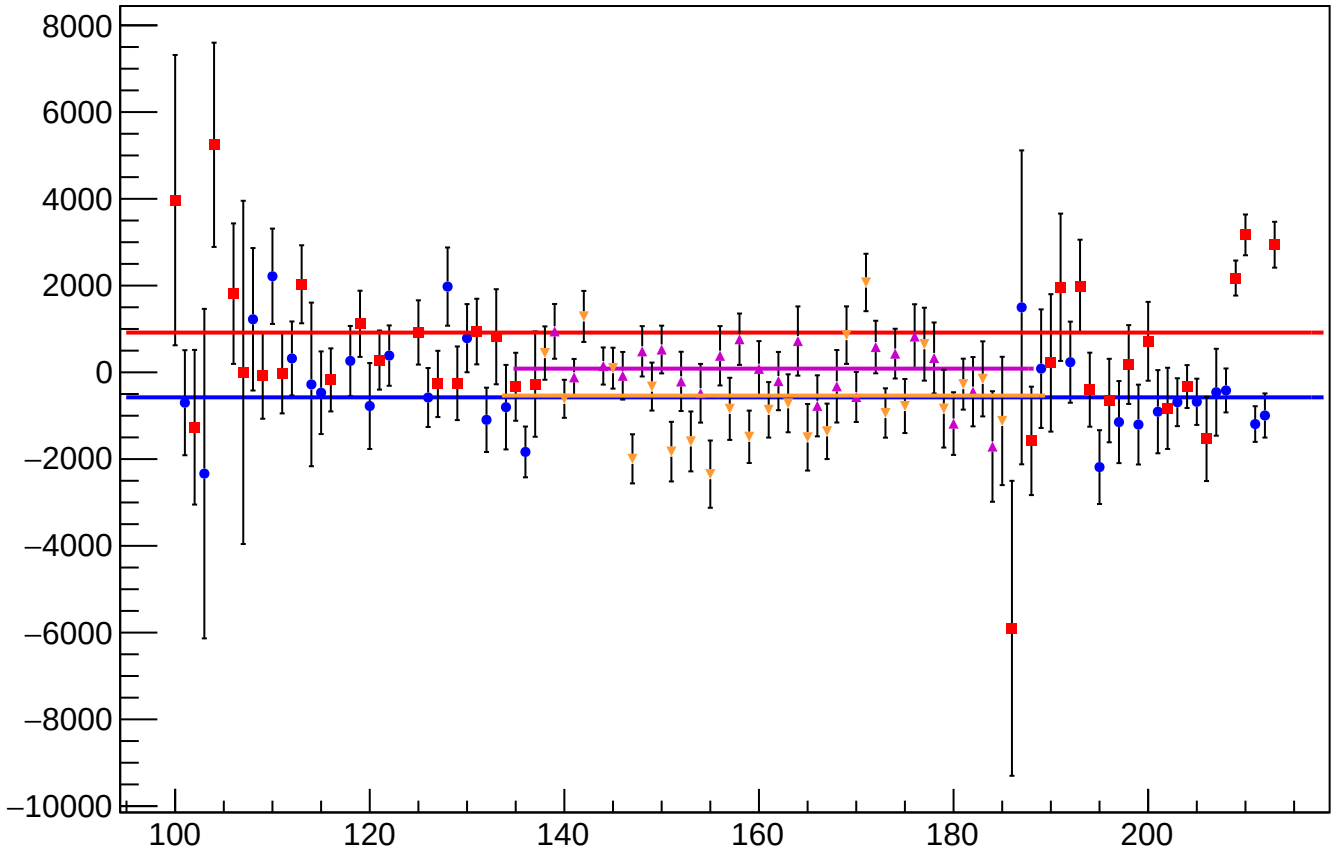
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1168.082+/-0.138 χ^2/NDF: 923693.8/61

In: 1139.315+/-0.135 χ^2/NDF:387814.3/51

Out: 1145.441+/-0.133 χ^2/NDF:618079.2/56

All: 1142.426+/-0.095 χ^2/NDF: 1006939.0/10



Right In: -576.521+/-144.142 χ^2/NDF: 37.2/28

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

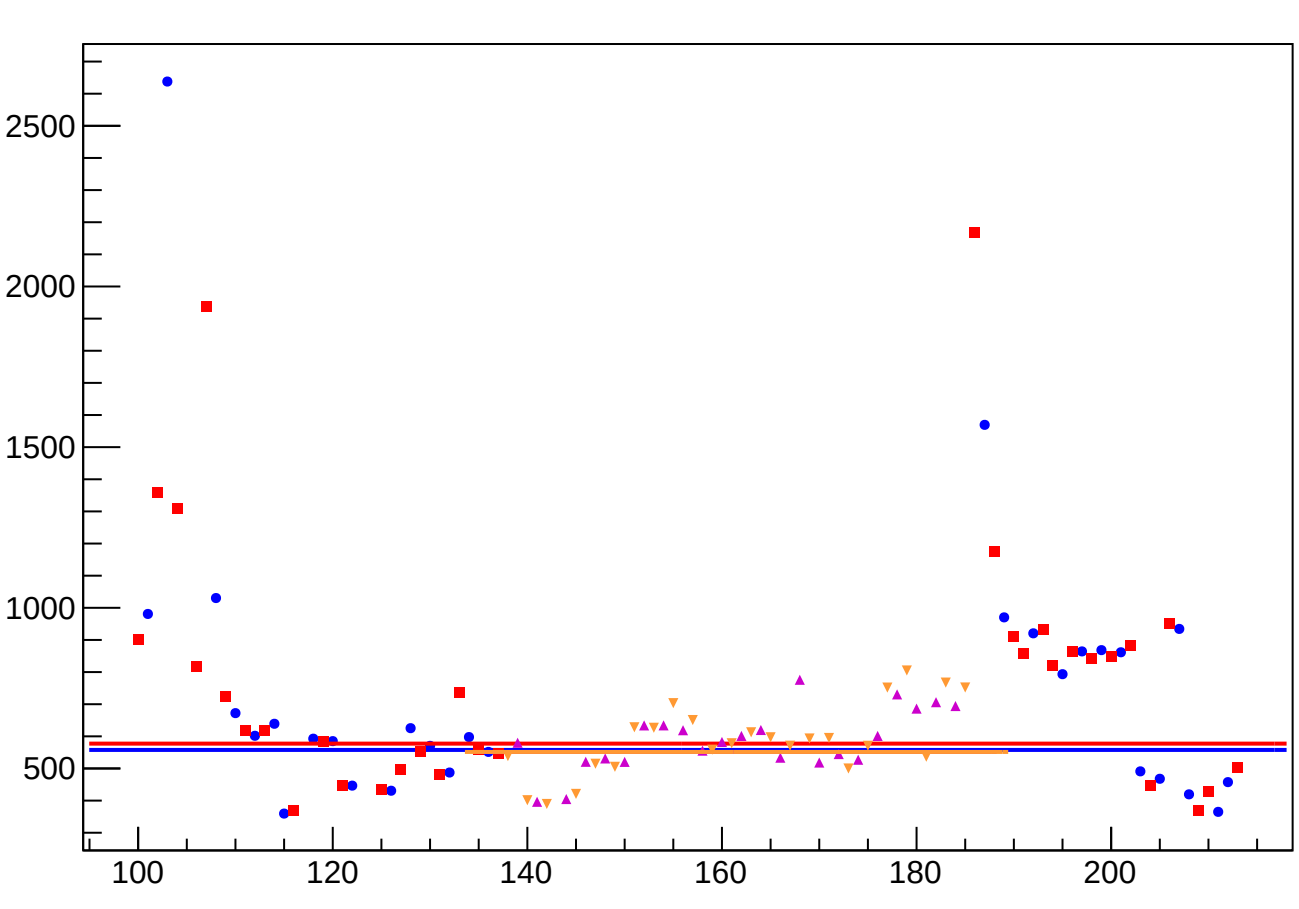
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 167.256+/-102.118 χ^2/NDF: 190.1/61

In: -214.015+/-96.931 χ^2/NDF:65.9/51

Out: 116.481+/-96.968 χ^2/NDF:216.5/56

All: -48.830+/-68.554 χ^2/NDF: 288.2/108



Right In: 557.705+/-0.102 χ^2/NDF: 3753671.5/28

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

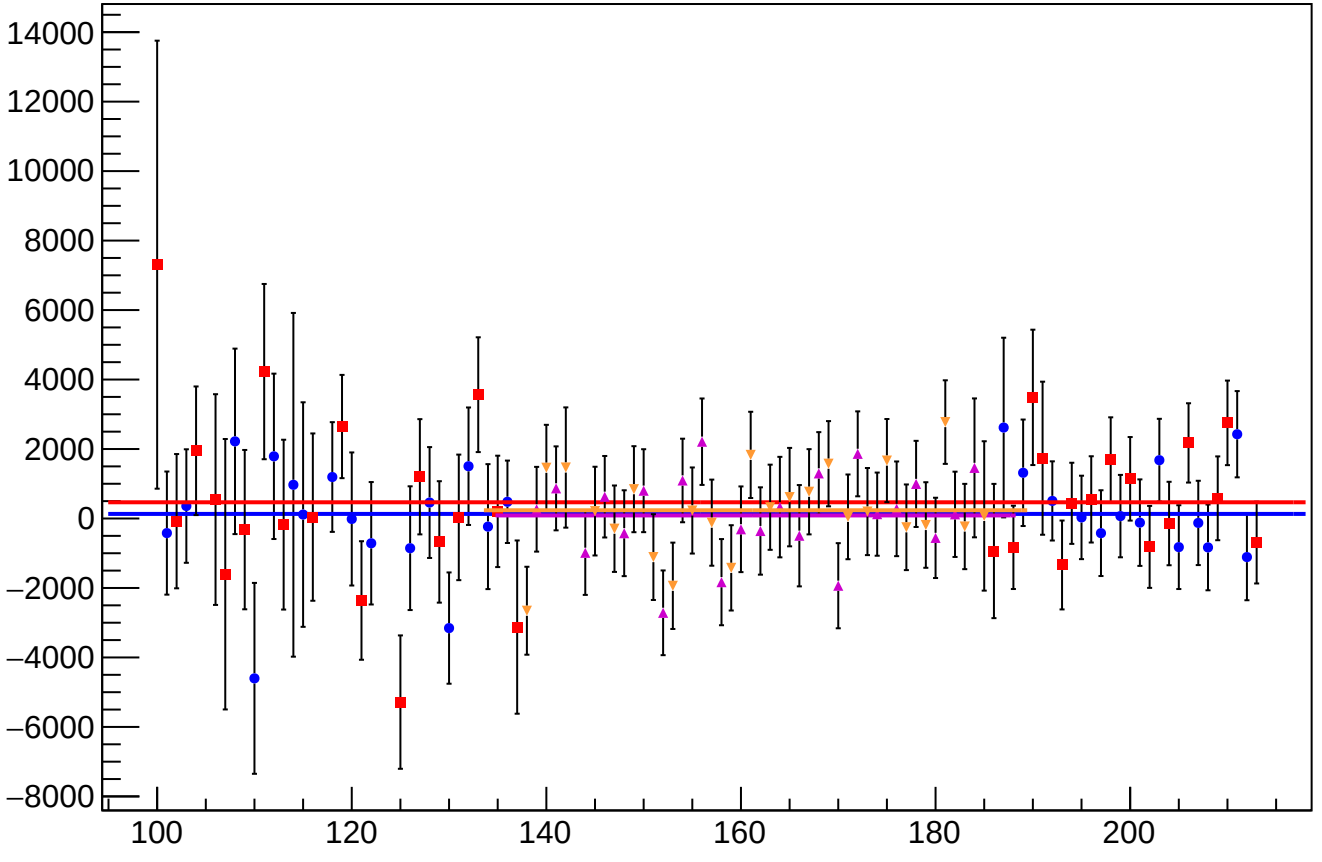
Right: 567.487+/-0.072 χ^2/NDF: 8484986.3/61

In: 554.216+/-0.069 χ^2/NDF:4817542.5/51

Out: 563.074+/-0.069 χ^2/NDF:5974769.0/56

All: 558.643+/-0.048 χ^2/NDF: 10800660.1/10

eigen_cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 131.874+/-279.322 χ^2/NDF: 19.5/28

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

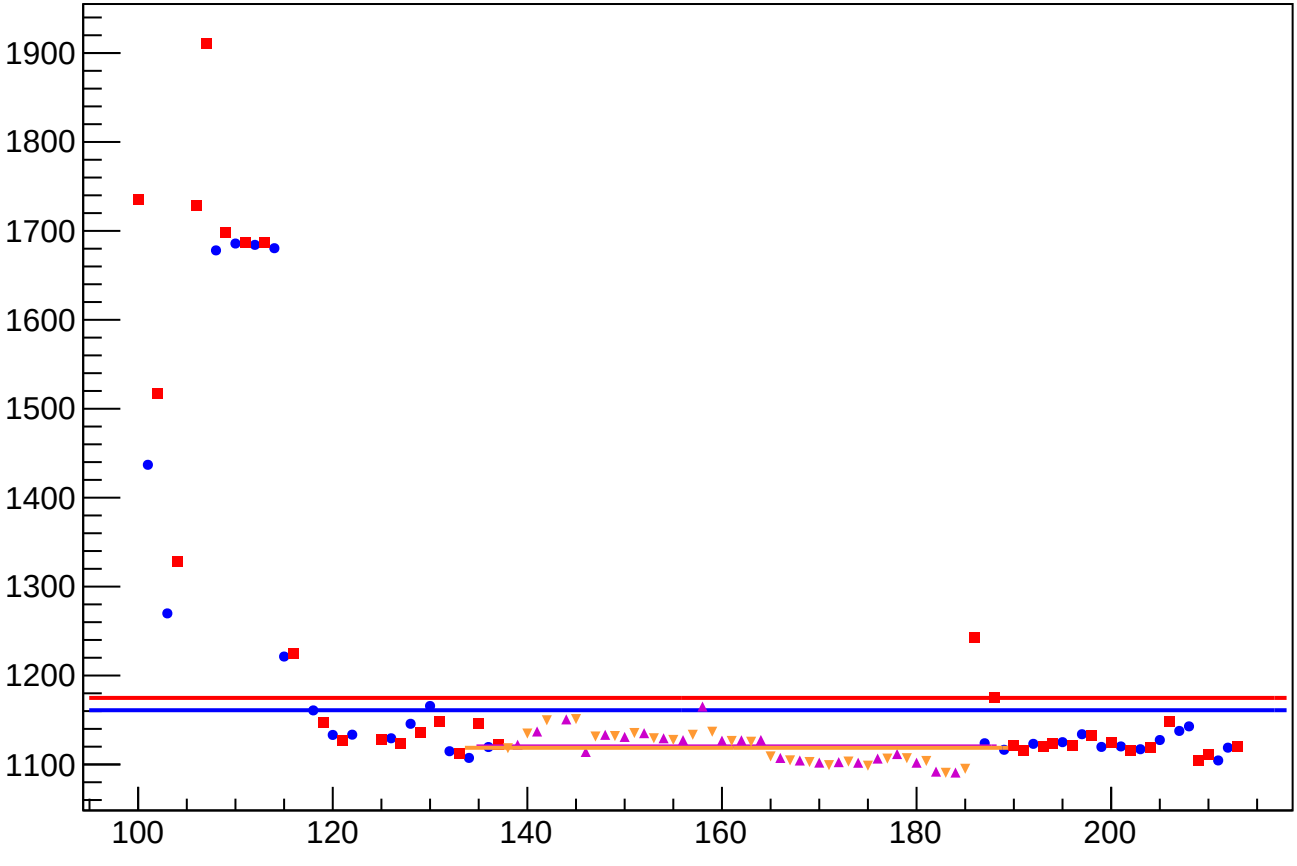
Right: 303.496+/-195.020 χ^2/NDF: 60.9/61

In: 108.698+/-190.938 χ^2/NDF:40.4/51

Out: 346.180+/-187.956 χ^2/NDF:63.8/56

All: 229.308+/-133.947 χ^2/NDF: 105.0/108

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1160.984+/-0.198 χ^2/NDF: 355741.1/28

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

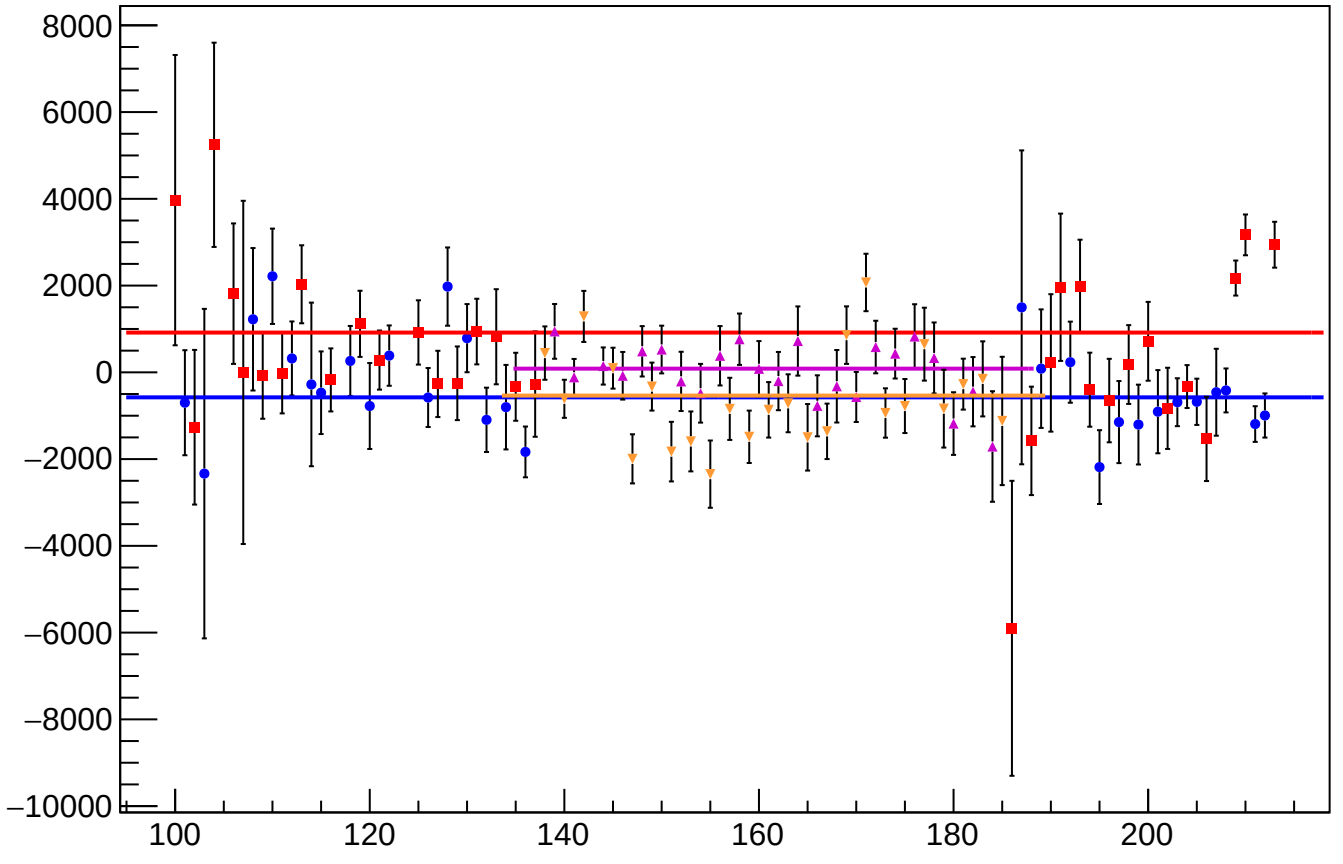
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1168.082+/-0.138 χ^2/NDF: 923693.8/61

In: 1139.315+/-0.135 χ^2/NDF:387814.3/51

Out: 1145.441+/-0.133 χ^2/NDF:618079.2/56

All: 1142.426+/-0.095 χ^2/NDF: 1006939.0/10



Right In: -576.521+/-144.142 χ^2/NDF: 37.2/28

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

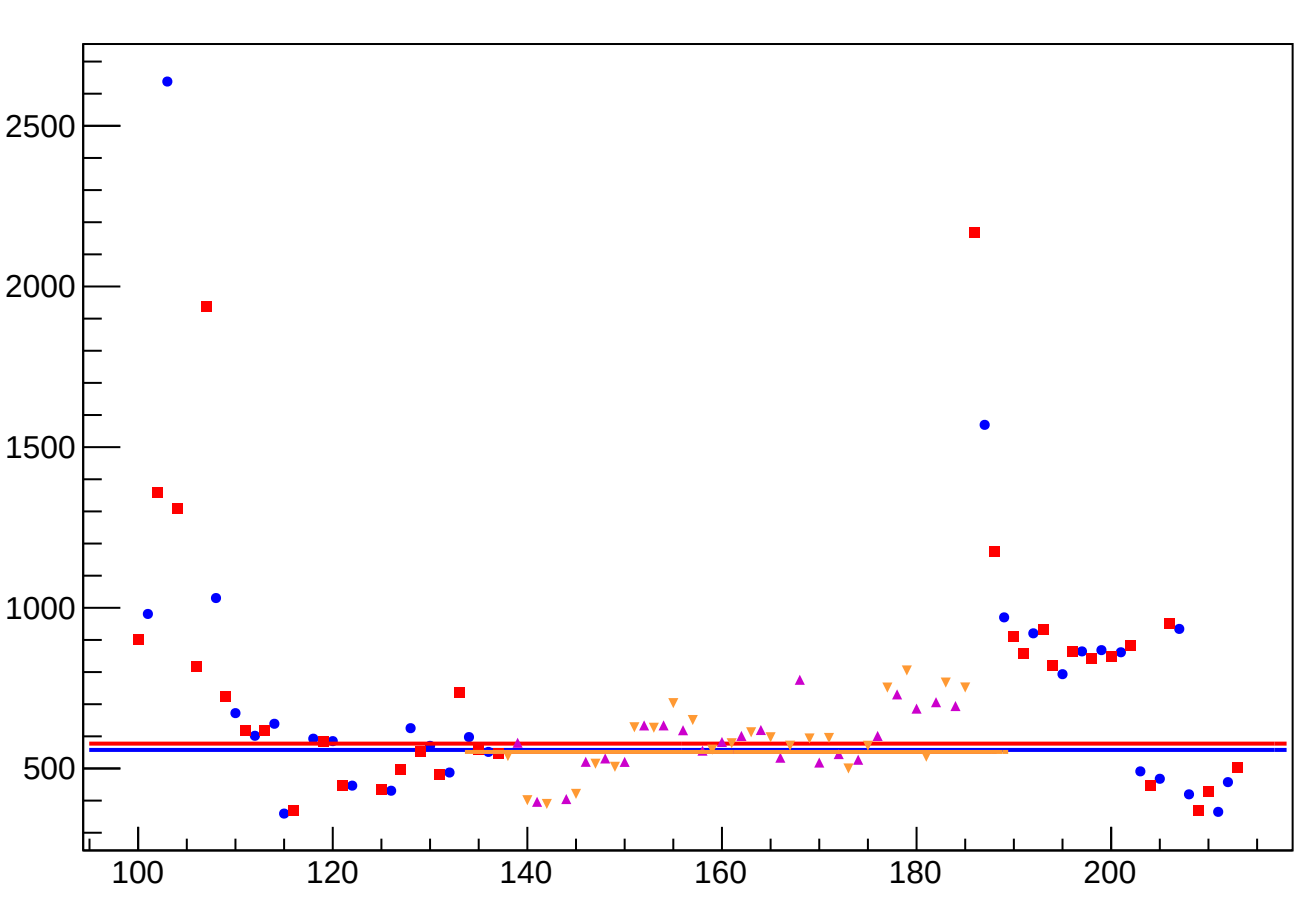
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 167.256+/-102.118 χ^2/NDF: 190.1/61

In: -214.015+/-96.931 χ^2/NDF:65.9/51

Out: 116.481+/-96.968 χ^2/NDF:216.5/56

All: -48.830+/-68.554 χ^2/NDF: 288.2/108



Right In: 557.705+/-0.102 χ^2/NDF: 3753671.5/28

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

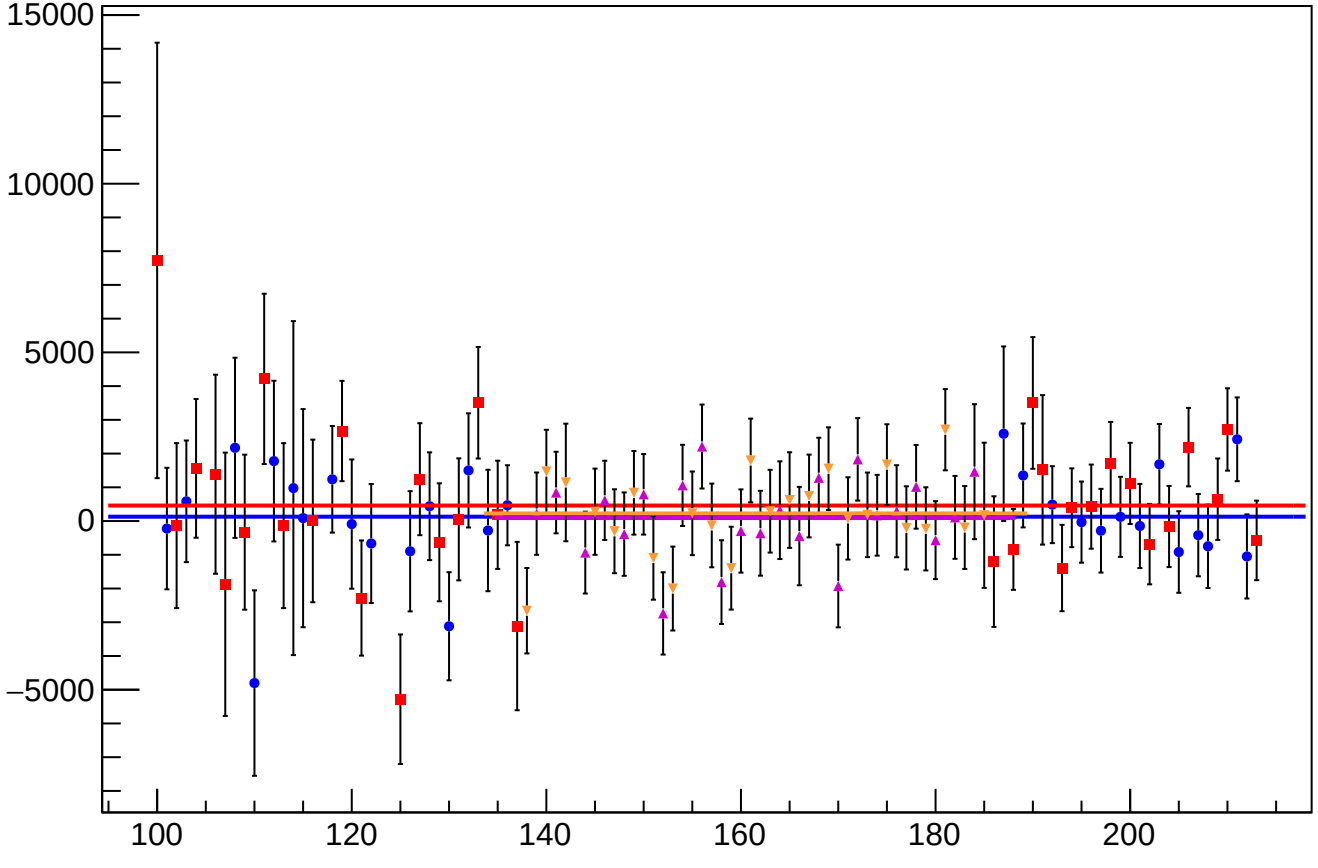
Right: 567.487+/-0.072 χ^2/NDF: 8484986.3/61

In: 554.216+/-0.069 χ^2/NDF:4817542.5/51

Out: 563.074+/-0.069 χ^2/NDF:5974769.0/56

All: 558.643+/-0.048 χ^2/NDF: 10800660.1/10

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 129.232+/-280.630 χ^2/NDF: 19.7/28

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

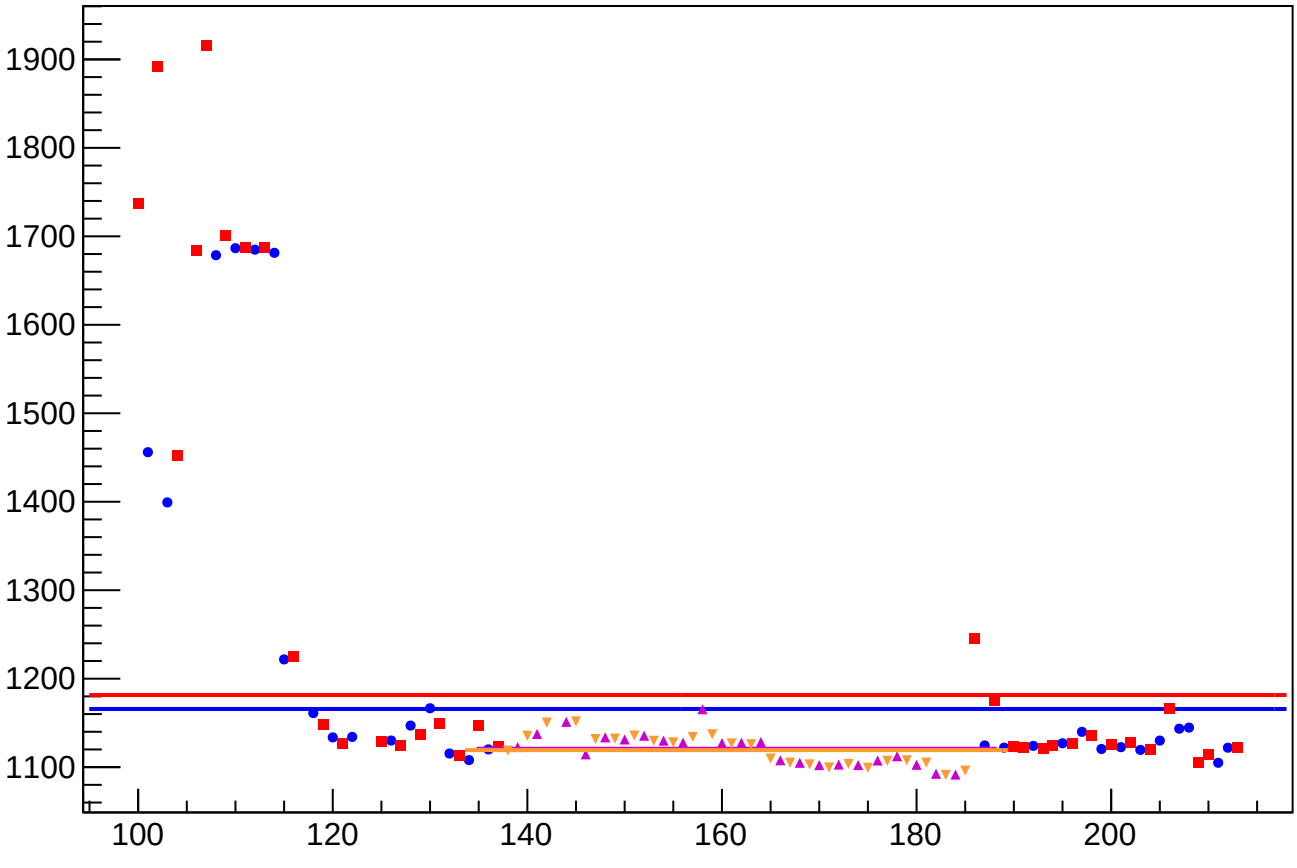
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 297.680+/-196.298 χ^2/NDF: 60.3/61

In: 107.757+/-191.399 χ^2/NDF:40.2/51

Out: 335.882+/-188.759 χ^2/NDF:62.6/56

All: 223.404+/-134.396 χ^2/NDF: 103.5/108



Right In: 1165.748+/-0.198 χ^2/NDF: 383870.2/28

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

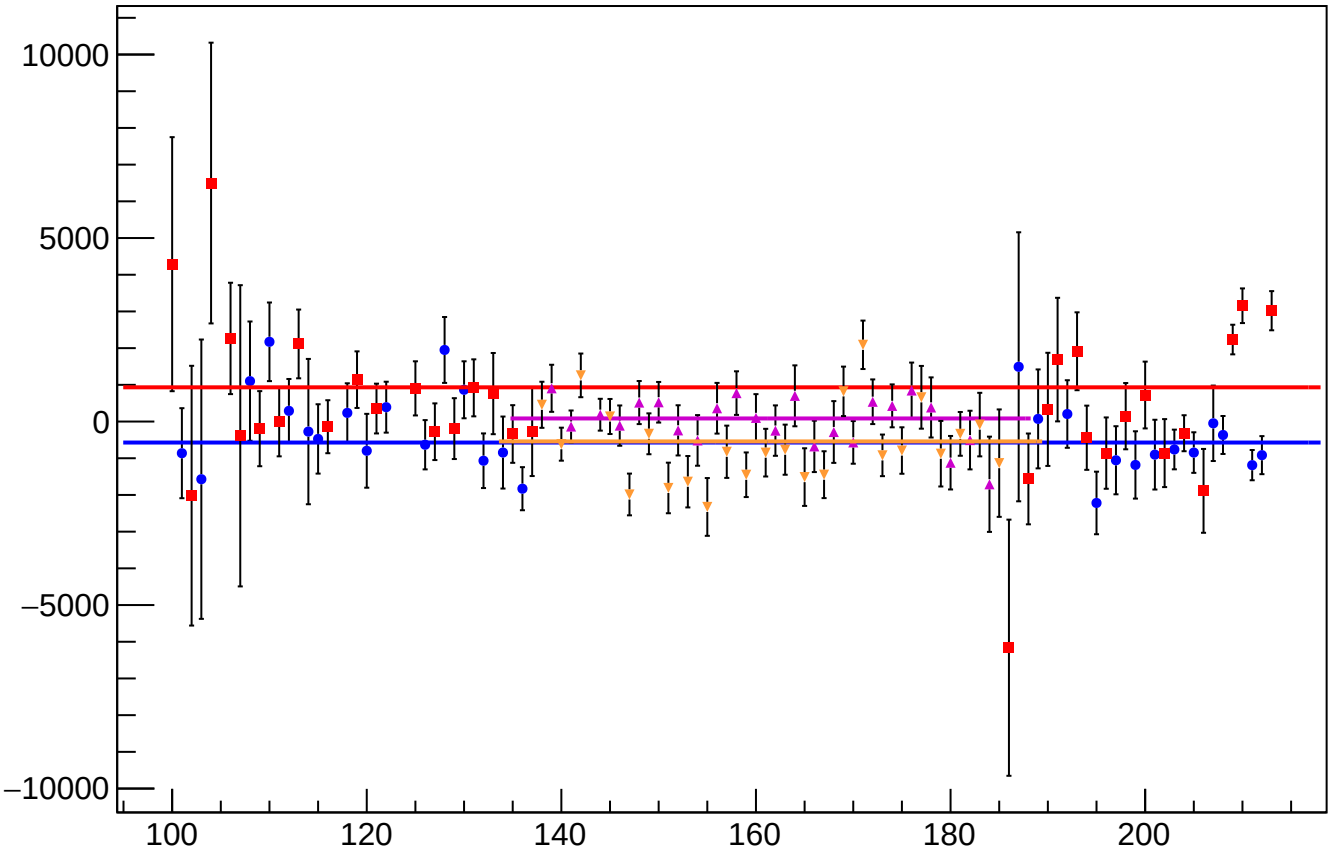
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1173.792+/-0.139 χ^2/NDF: 1072353.4/61

In: 1141.709+/-0.135 χ^2/NDF:420737.3/51

Out: 1148.650+/-0.133 χ^2/NDF:747604.6/56

All: 1145.228+/-0.095 χ^2/NDF: 1169675.6/10



Right In: -572.082+/-144.673 χ^2/NDF: 37.5/28

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

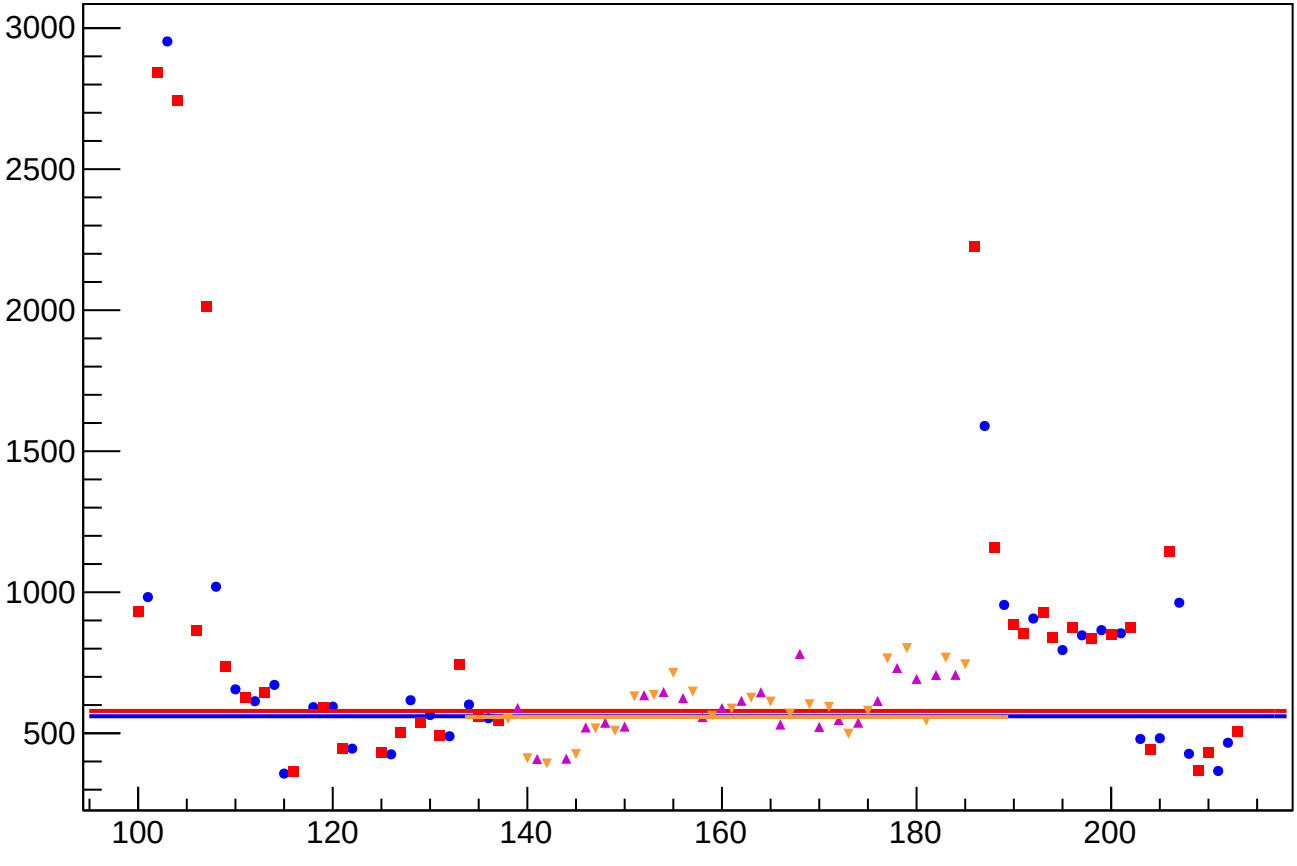
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 173.234+/-102.771 χ^2/NDF: 190.7/61

In: -215.334+/-97.732 χ^2/NDF:65.1/51

Out: 121.368+/-97.924 χ^2/NDF:216.6/56

All: -47.314+/-69.175 χ^2/NDF: 287.6/108



Right In: 560.334+/-0.102 χ^2/NDF: 3882112.3/28

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

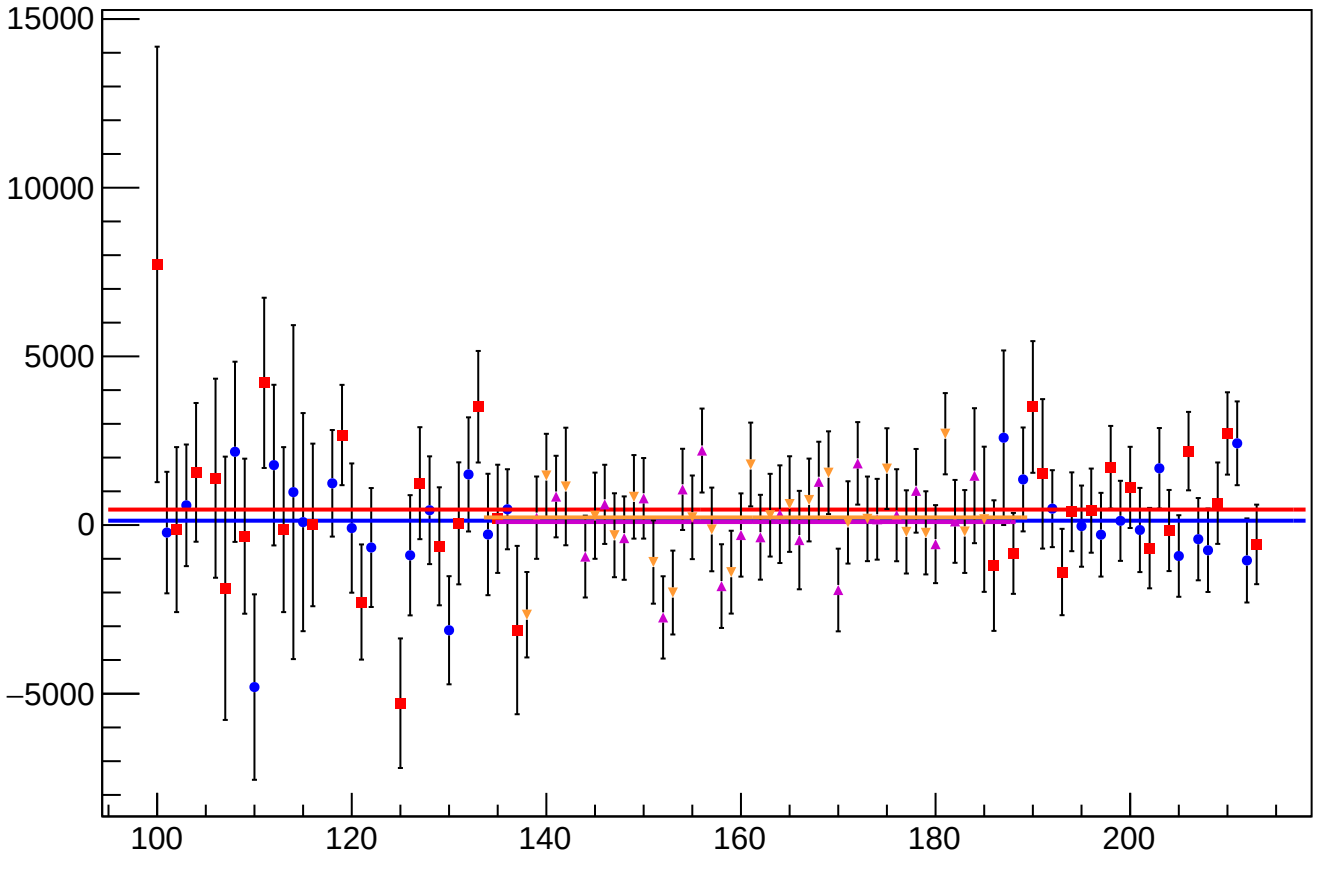
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 569.658+/-0.073 χ^2/NDF: 9743734.8/61

In: 559.279+/-0.069 χ^2/NDF:4910122.3/51

Out: 567.290+/-0.069 χ^2/NDF:7062125.2/56

All: 563.277+/-0.049 χ^2/NDF: 11978954.4/10



Right In: 129.233+/-280.630 χ^2/NDF: 19.7/28

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

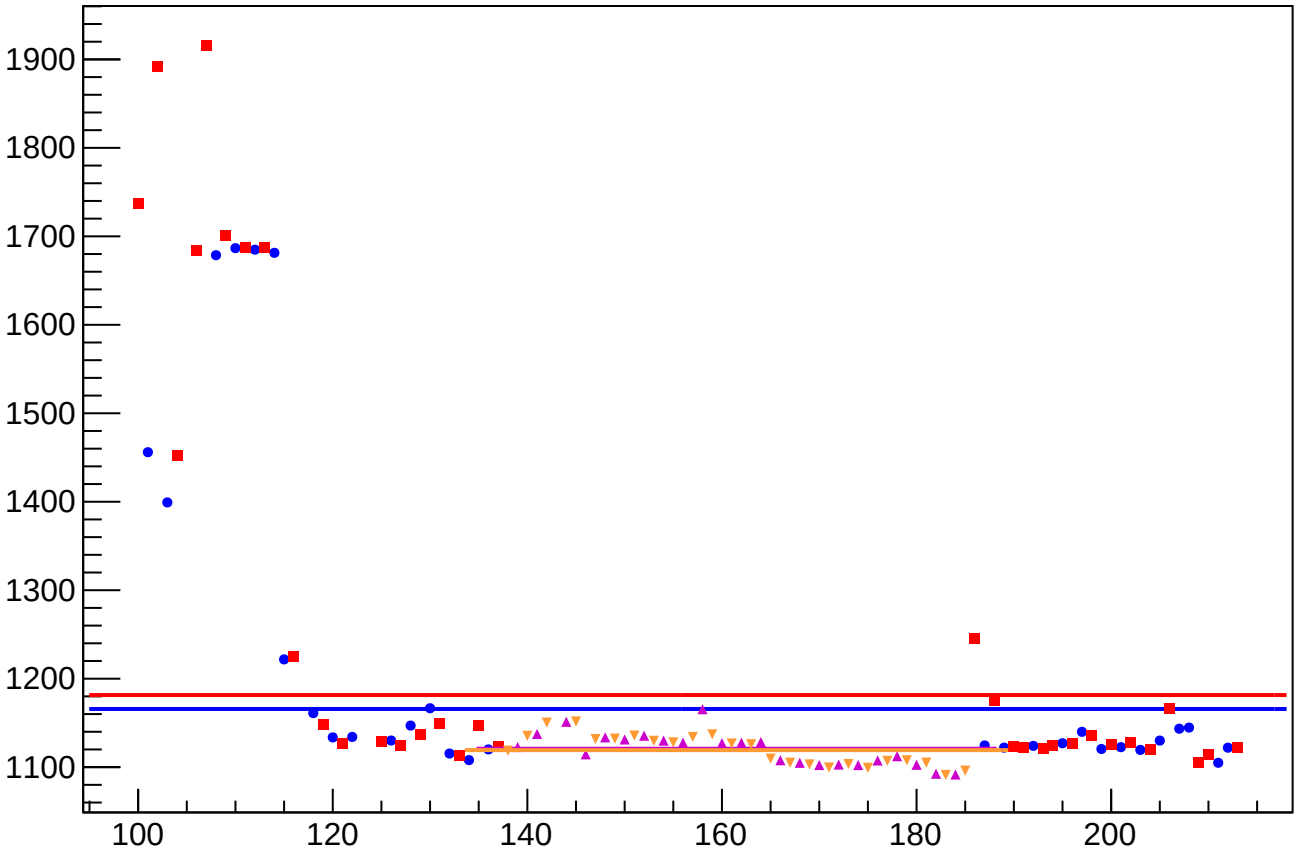
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 297.680+/-196.298 χ^2/NDF: 60.3/61

In: 107.757+/-191.399 χ^2/NDF:40.2/51

Out: 335.881+/-188.759 χ^2/NDF:62.6/56

All: 223.403+/-134.396 χ^2/NDF: 103.5/108



Right In: 1165.748+/-0.198 χ^2/NDF: 383869.7/28

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

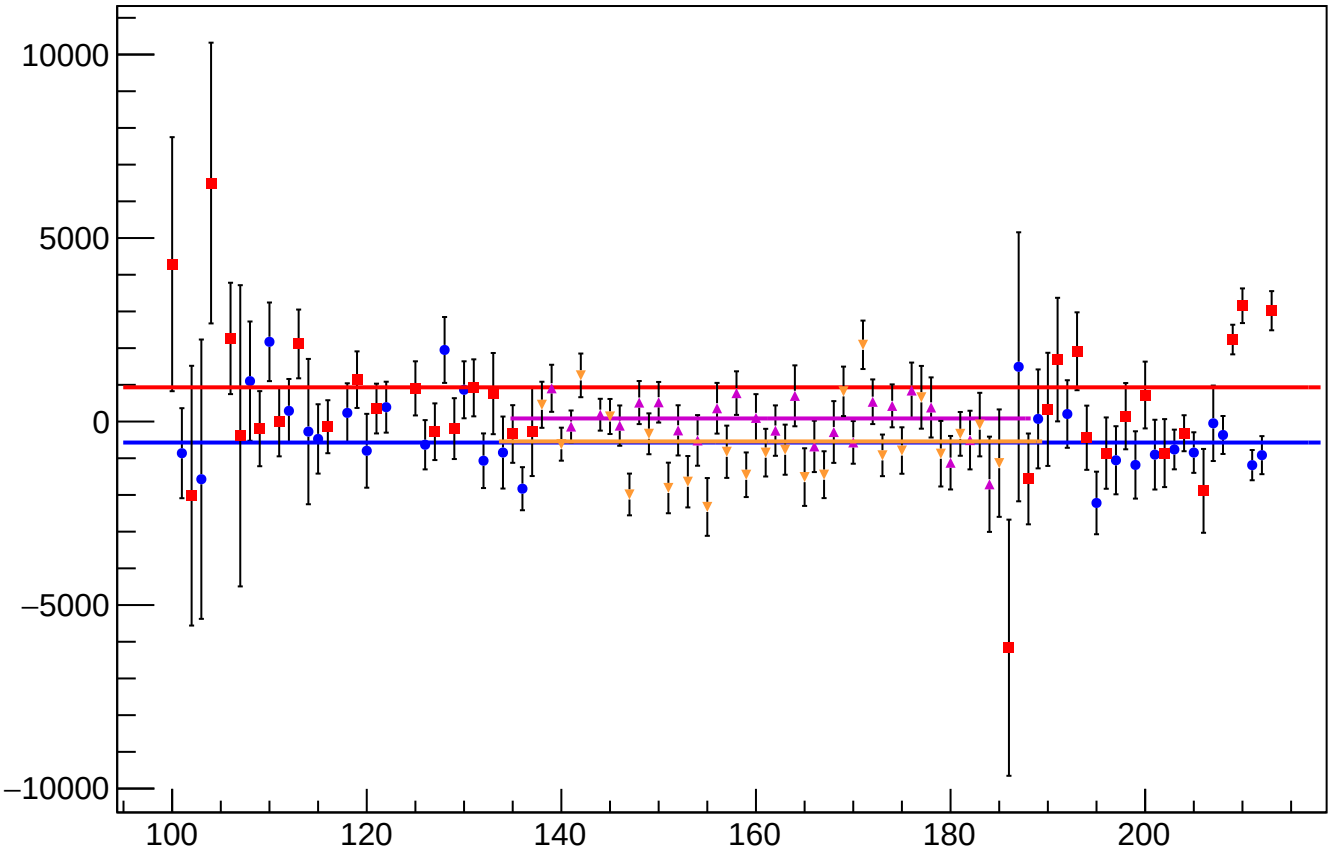
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1173.792+/-0.139 χ^2/NDF: 1072352.1/61

In: 1141.709+/-0.135 χ^2/NDF:420736.8/51

Out: 1148.650+/-0.133 χ^2/NDF:747603.9/56

All: 1145.228+/-0.095 χ^2/NDF: 1169674.4/10



Right In: -572.082+/-144.673 χ^2/NDF: 37.5/28

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

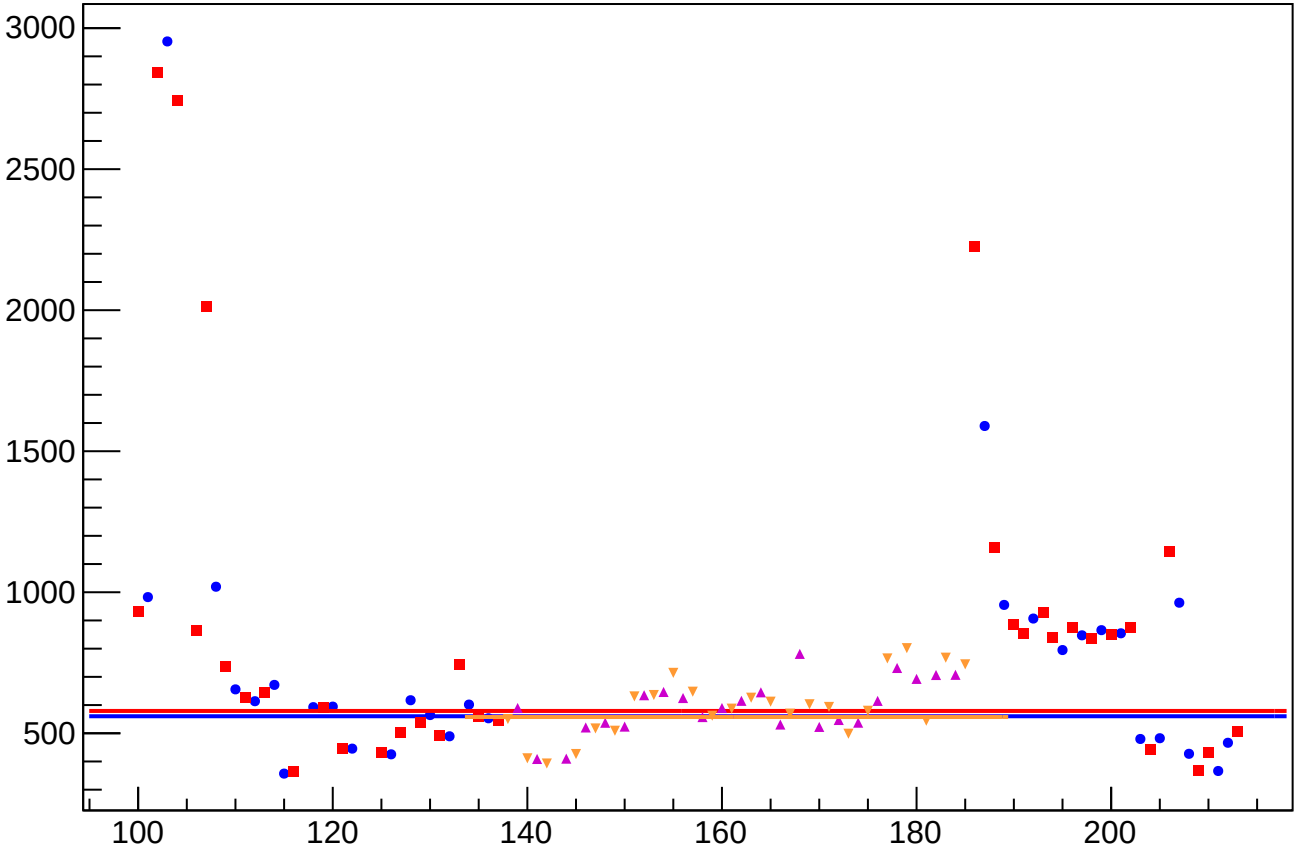
Right: 173.234+/-102.771 χ^2/NDF: 190.7/61

In: -215.334+/-97.732 χ^2/NDF:65.1/51

Out: 121.369+/-97.924 χ^2/NDF:216.6/56

All: -47.314+/-69.175 χ^2/NDF: 287.6/108

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 560.334+/-0.102 χ^2/NDF: 3882114.4/28

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

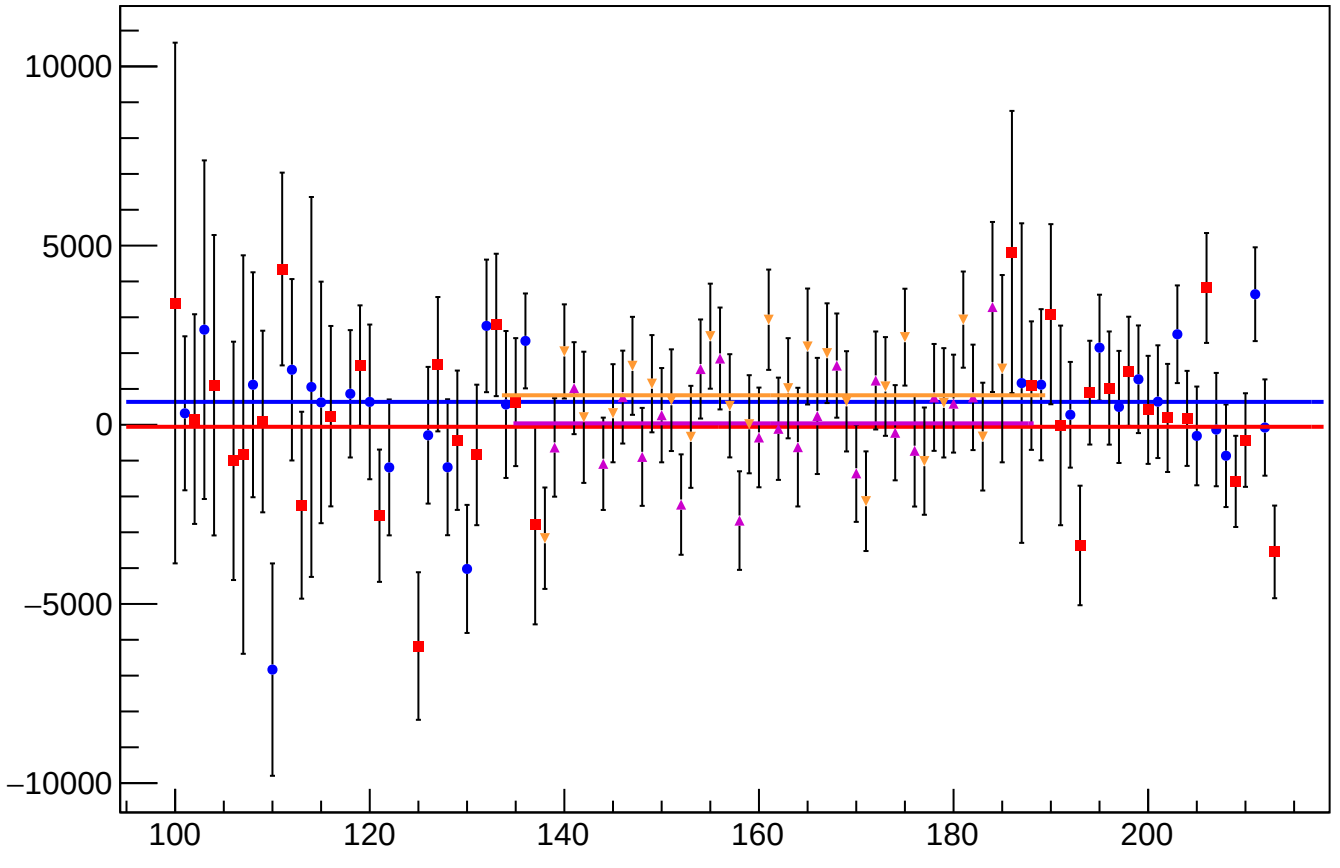
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 569.658+/-0.073 χ^2/NDF: 9743744.4/61

In: 559.278+/-0.069 χ^2/NDF:4910139.0/51

Out: 567.290+/-0.069 χ^2/NDF:7062154.6/56

All: 563.276+/-0.049 χ^2/NDF: 11979000.5/10



Right In: 638.908+/-332.018 χ^2/NDF: 29.2/28

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

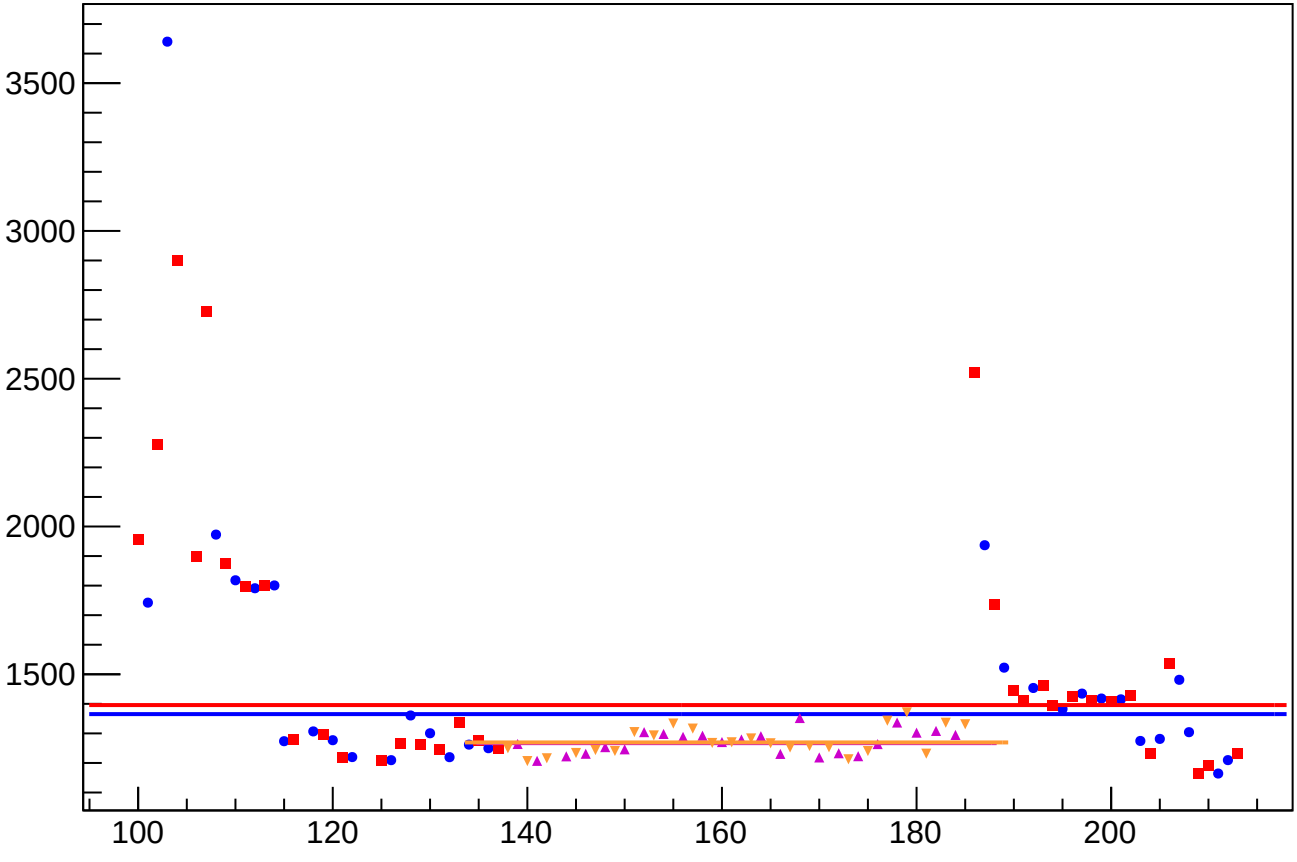
Right: 286.782+/-233.239 χ^2/NDF: 75.9/61

In: 305.054+/-220.947 χ^2/NDF:48.9/51

Out: 429.851+/-219.188 χ^2/NDF:74.6/56

All: 367.952+/-155.607 χ^2/NDF: 123.7/108

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1365.274+/-0.235 χ^2/NDF: 948966.2/28

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

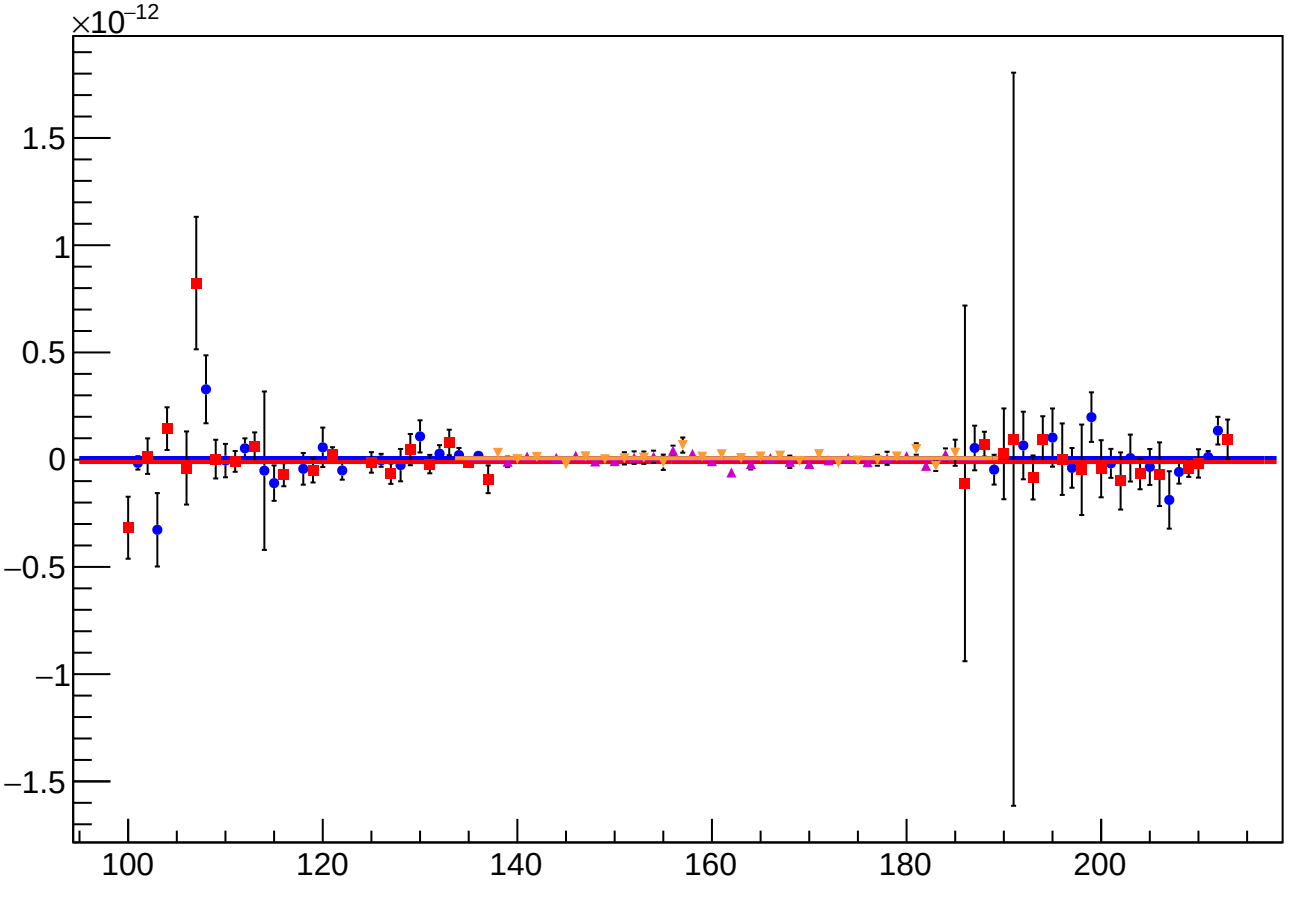
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1380.766+/-0.165 χ^2/NDF: 2261121.6/61

In: 1310.557+/-0.156 χ^2/NDF:1081007.2/51

Out: 1325.990+/-0.155 χ^2/NDF:1511078.5/56

All: 1318.335+/-0.110 χ^2/NDF: 2597003.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/28

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

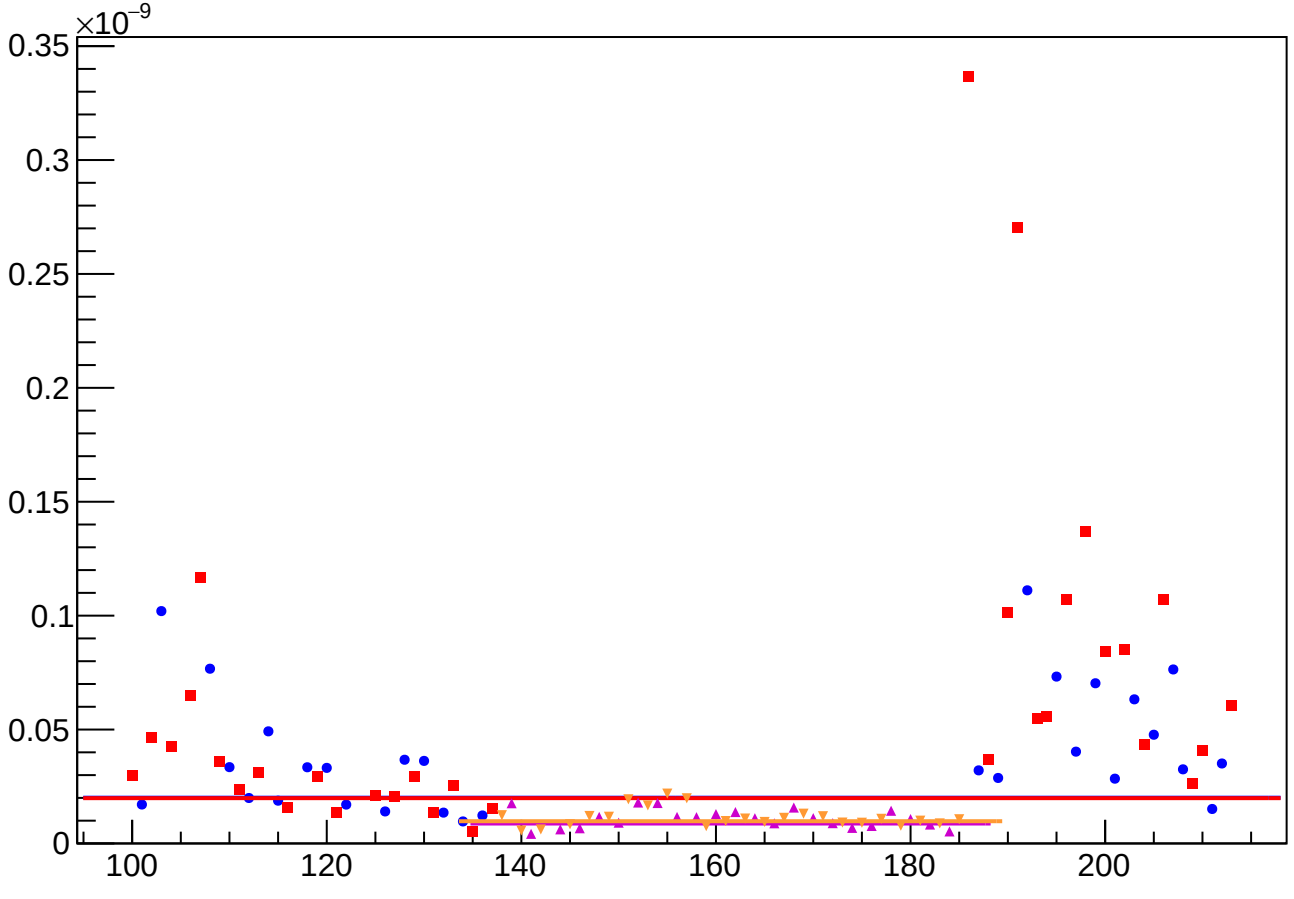
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 62.0/61

In: 0.000+/-0.000 χ^2/NDF:52.3/51

Out: 0.000+/-0.000 χ^2/NDF:53.7/56

All: 0.000+/-0.000 χ^2/NDF: 106.0/108



Right In: 0.000+/-0.000 χ^2/NDF: 4472210.3/28

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

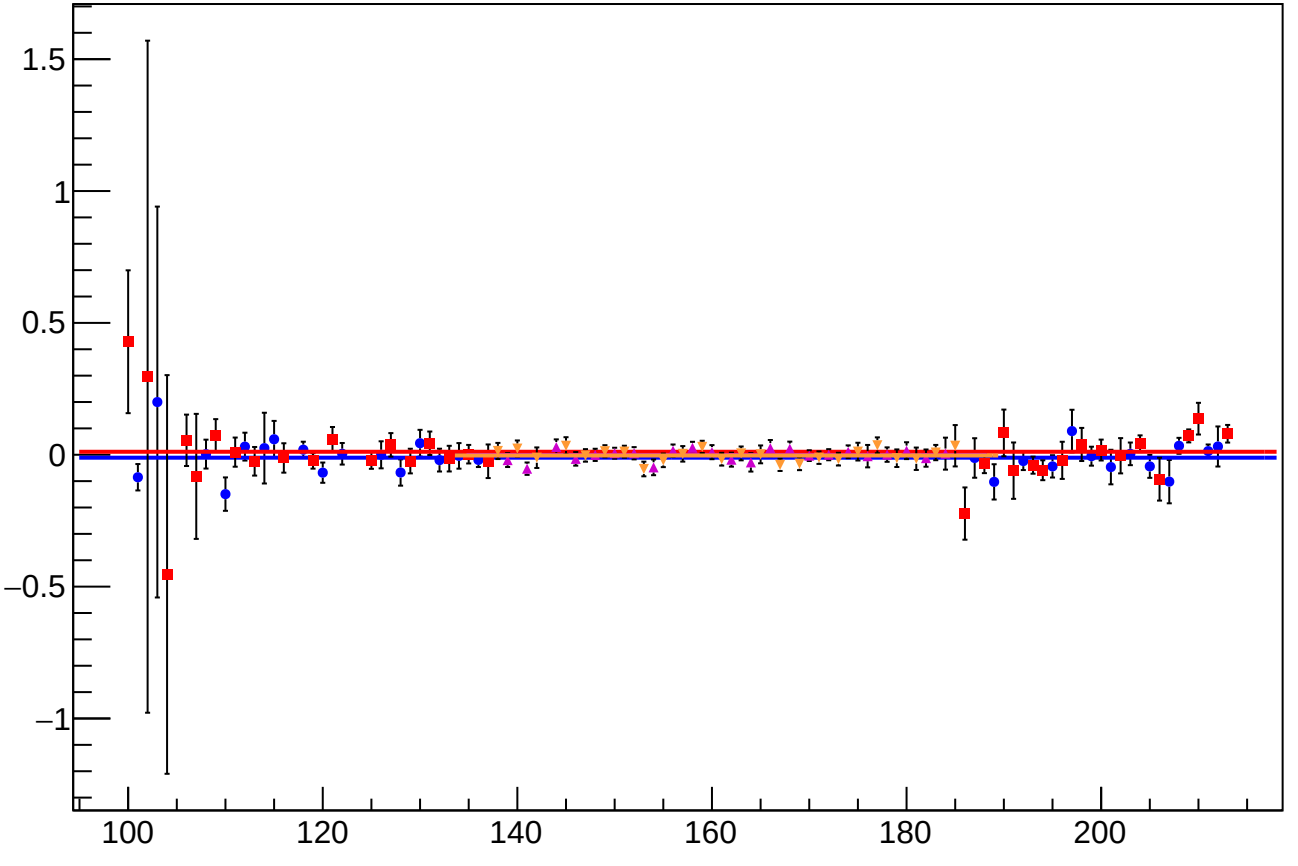
Right: 0.000+/-0.000 χ^2/NDF: 12204535.9/61

In: 0.000+/-0.000 χ^2/NDF:8941331.2/51

Out: 0.000+/-0.000 χ^2/NDF:11003656.4/56

All: 0.000+/-0.000 χ^2/NDF: 20015035.9/108

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.008 χ^2/NDF: 24.7/28

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

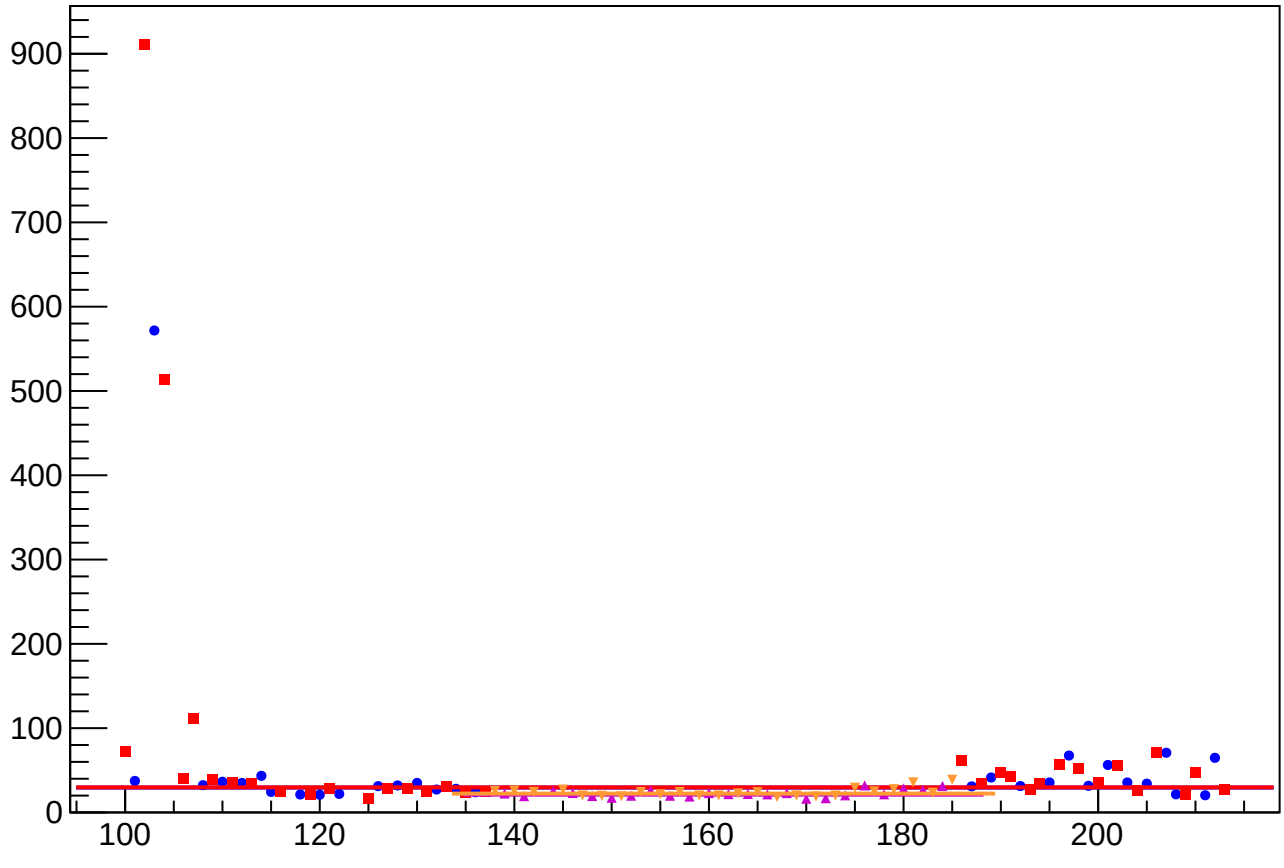
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: 0.000+/-0.006 χ^2/NDF: 70.5/61

In: -0.004+/-0.005 χ^2/NDF:40.7/51

Out: 0.002+/-0.005 χ^2/NDF:60.3/56

All: -0.001+/-0.003 χ^2/NDF: 101.9/108



Right In: 29.493+/-0.006 χ^2/NDF: 3941597.3/28

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

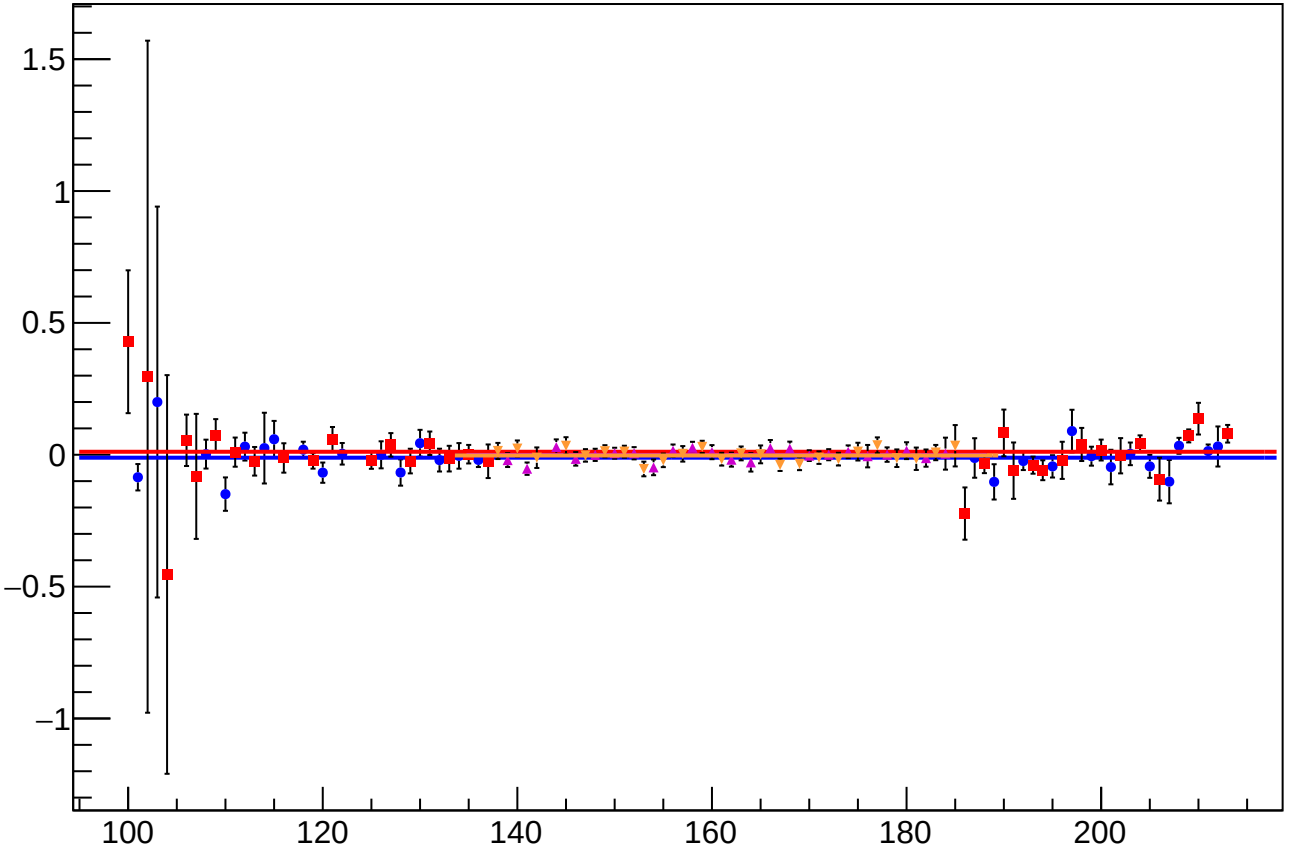
Right: 29.622+/-0.004 χ^2/NDF: 8985216.6/61

In: 23.642+/-0.003 χ^2/NDF:6189794.2/51

Out: 24.760+/-0.003 χ^2/NDF:6959338.3/56

All: 24.188+/-0.002 χ^2/NDF: 13207776.8/108

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.008 χ^2/NDF: 24.7/28

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

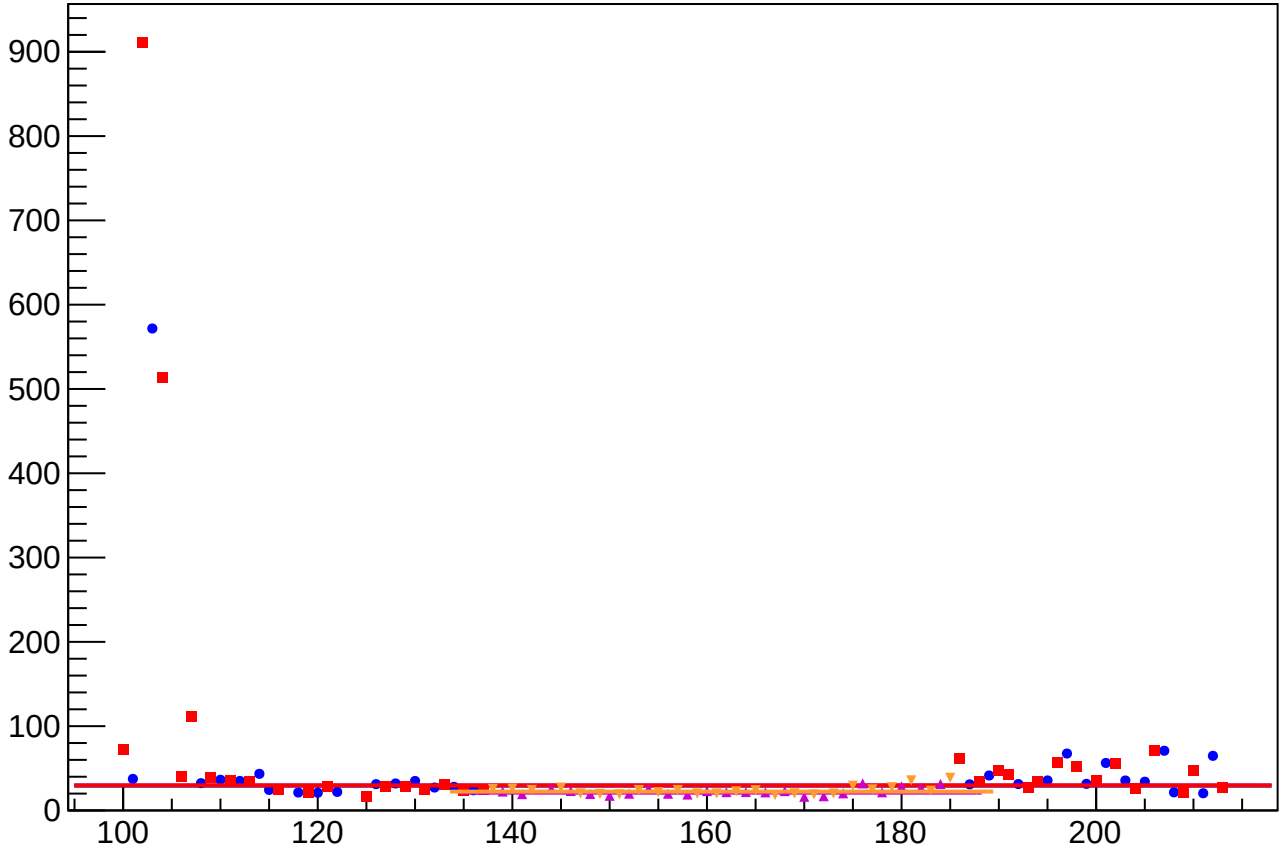
Right: 0.000+/-0.006 χ^2/NDF: 70.5/61

In: -0.004+/-0.005 χ^2/NDF:40.7/51

Out: 0.002+/-0.005 χ^2/NDF:60.3/56

All: -0.001+/-0.003 χ^2/NDF: 101.9/108

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.493+/-0.006 χ^2/NDF: 3941597.3/28

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

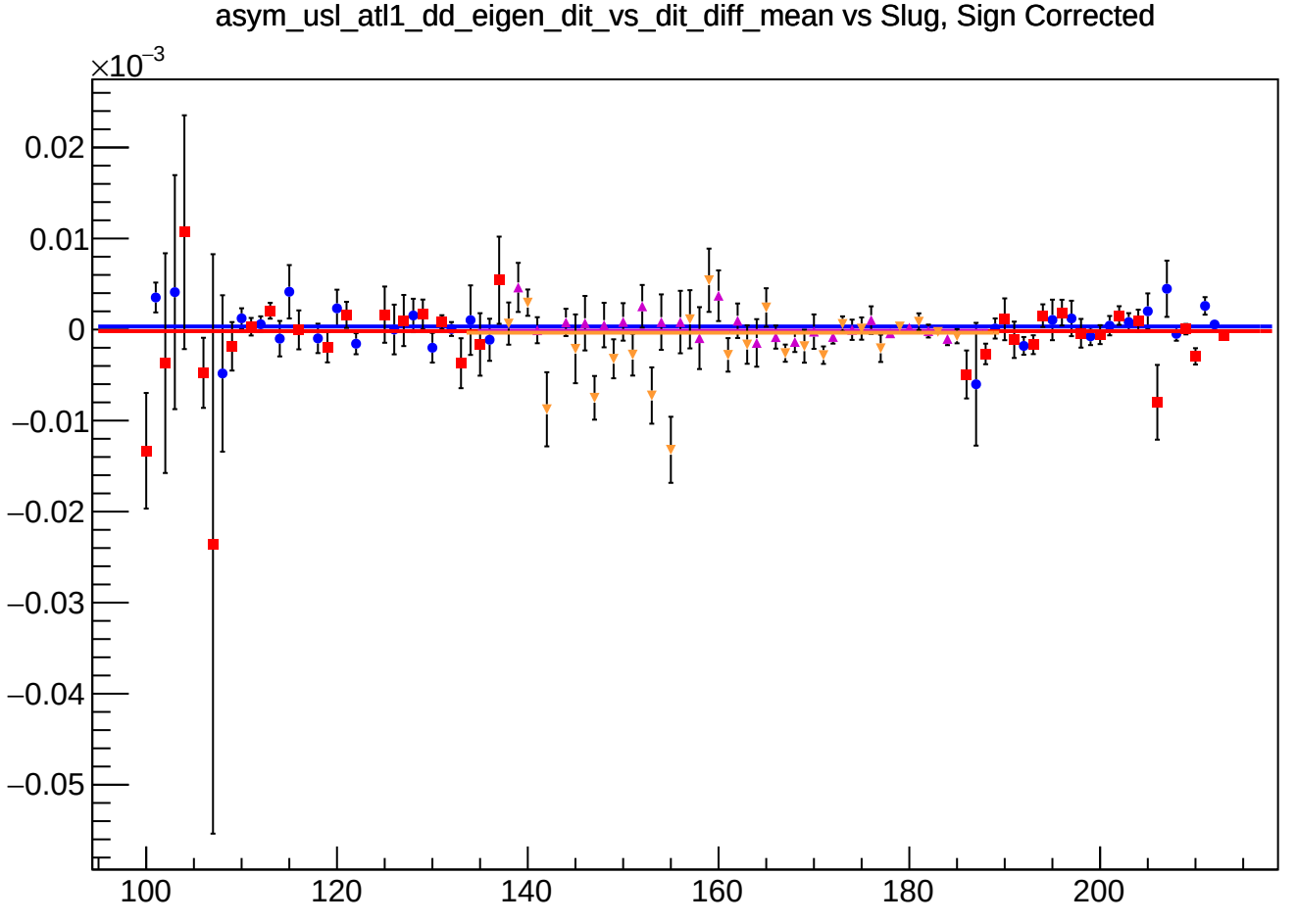
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 29.622+/-0.004 χ^2/NDF: 8985216.6/61

In: 23.642+/-0.003 χ^2/NDF:6189794.2/51

Out: 24.760+/-0.003 χ^2/NDF:6959338.3/56

All: 24.188+/-0.002 χ^2/NDF: 13207776.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 31.4/28

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

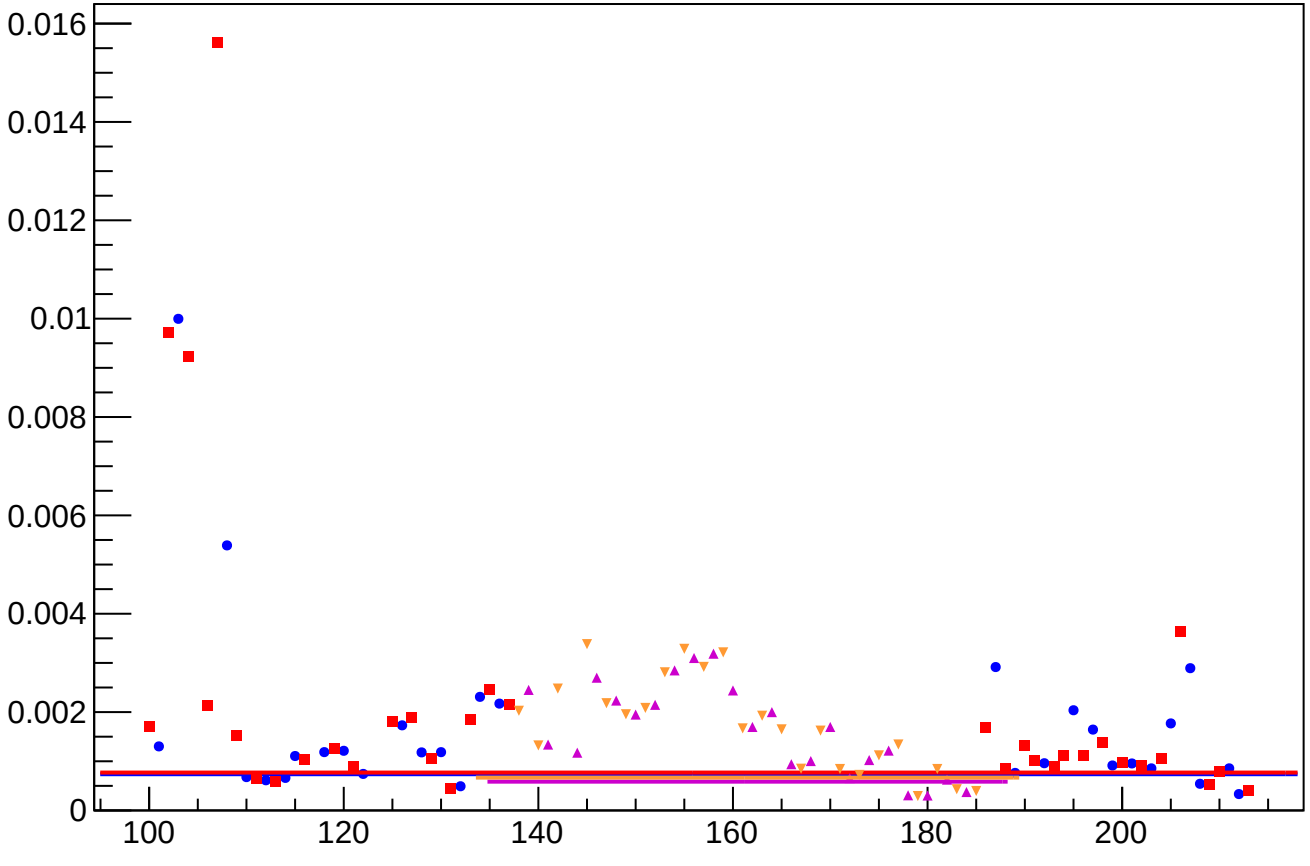
Right: 0.000+/-0.000 χ^2/NDF: 90.7/61

In: 0.000+/-0.000 χ^2/NDF:48.5/51

Out: -0.000+/-0.000 χ^2/NDF:124.9/56

All: -0.000+/-0.000 χ^2/NDF: 175.9/108

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9308492.3/28

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

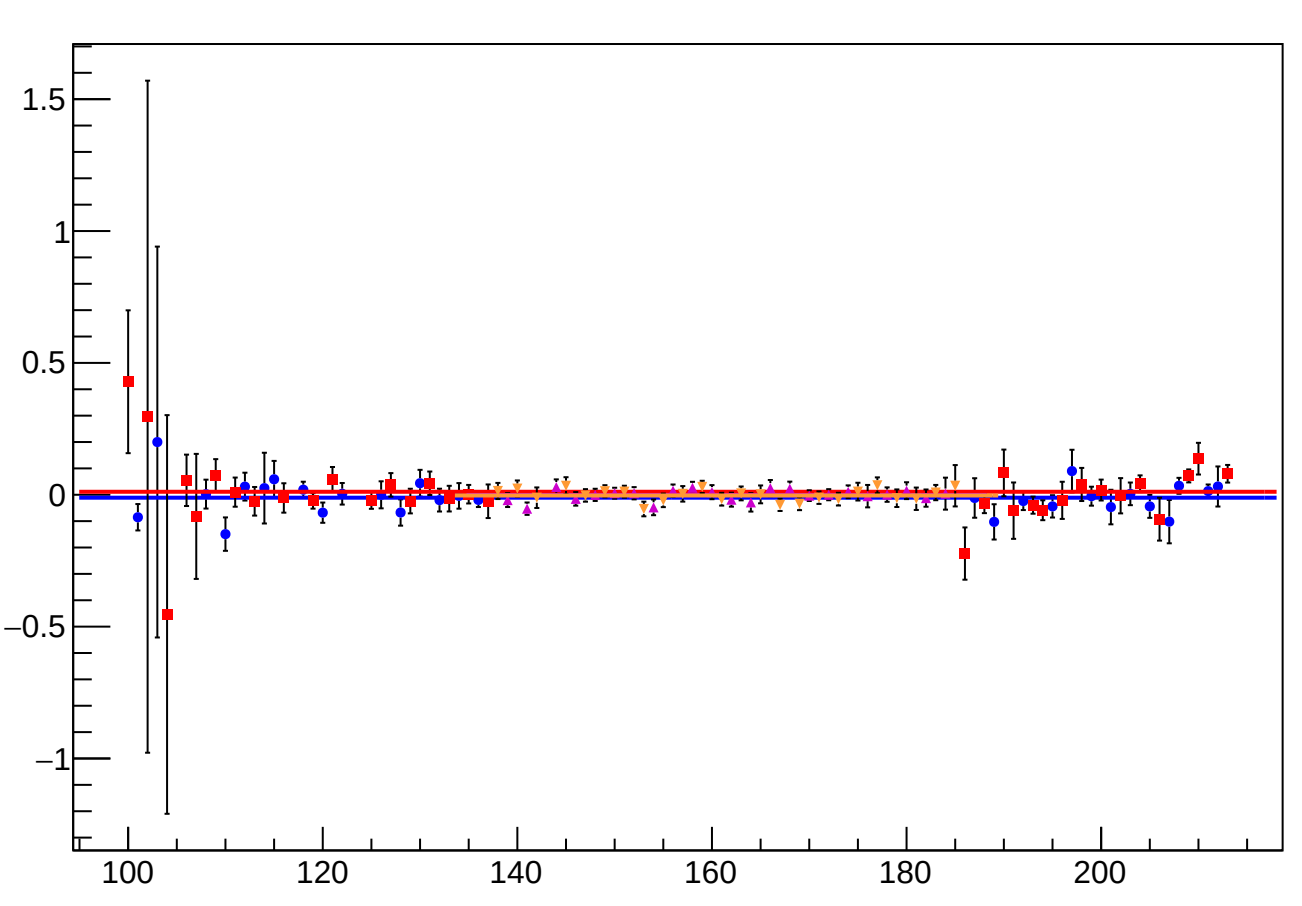
Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

Right: 0.001+/-0.000 χ^2/NDF: 18139657.3/61

In: 0.001+/-0.000 χ^2/NDF:25529082.2/51

Out: 0.001+/-0.000 χ^2/NDF:24417300.5/56

All: 0.001+/-0.000 χ^2/NDF: 50150134.4/108



Right In: -0.011+/-0.008 χ^2/NDF: 24.7/28

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

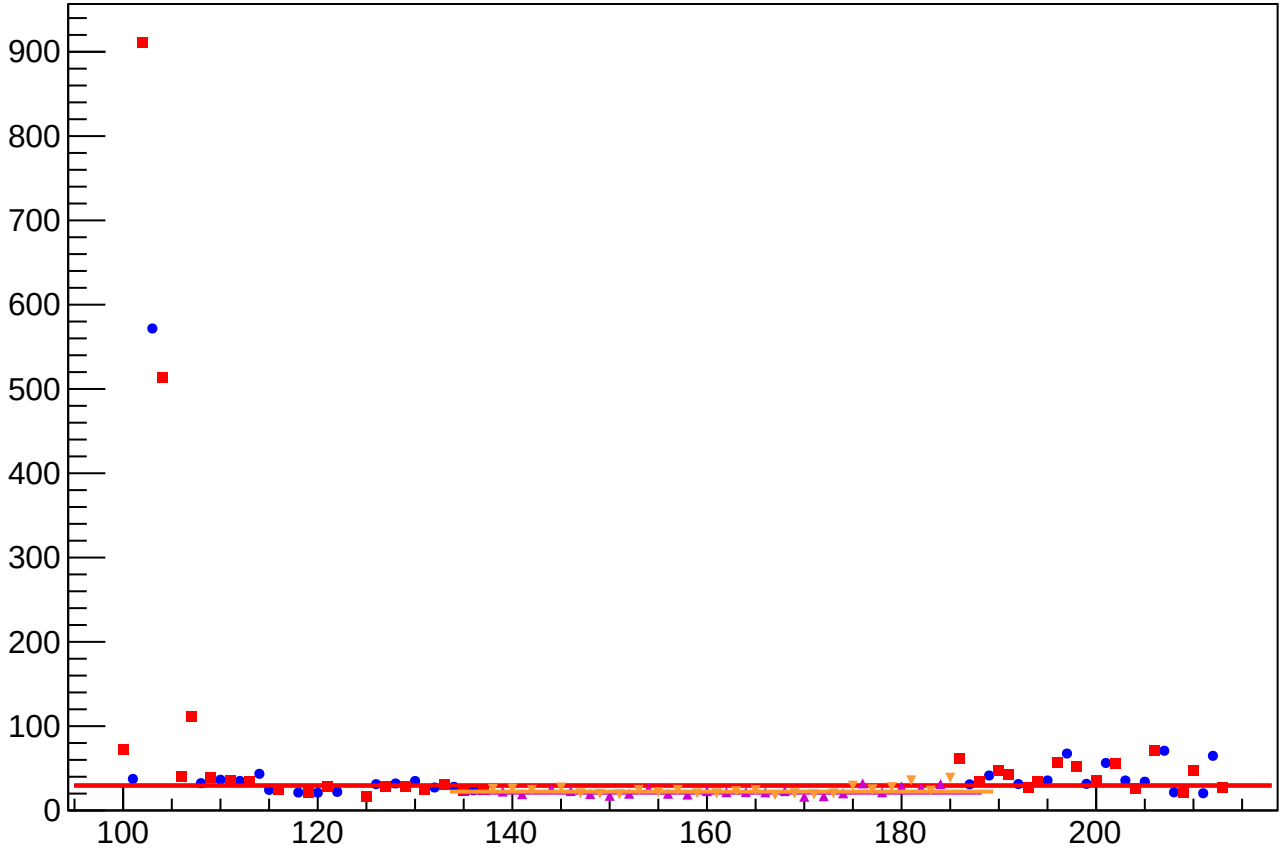
Right: 0.000+/-0.006 χ^2/NDF: 70.5/61

In: -0.004+/-0.005 χ^2/NDF:40.7/51

Out: 0.002+/-0.005 χ^2/NDF:60.3/56

All: -0.001+/-0.003 χ^2/NDF: 101.8/108

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.493+/-0.006 χ^2/NDF: 3941649.0/28

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

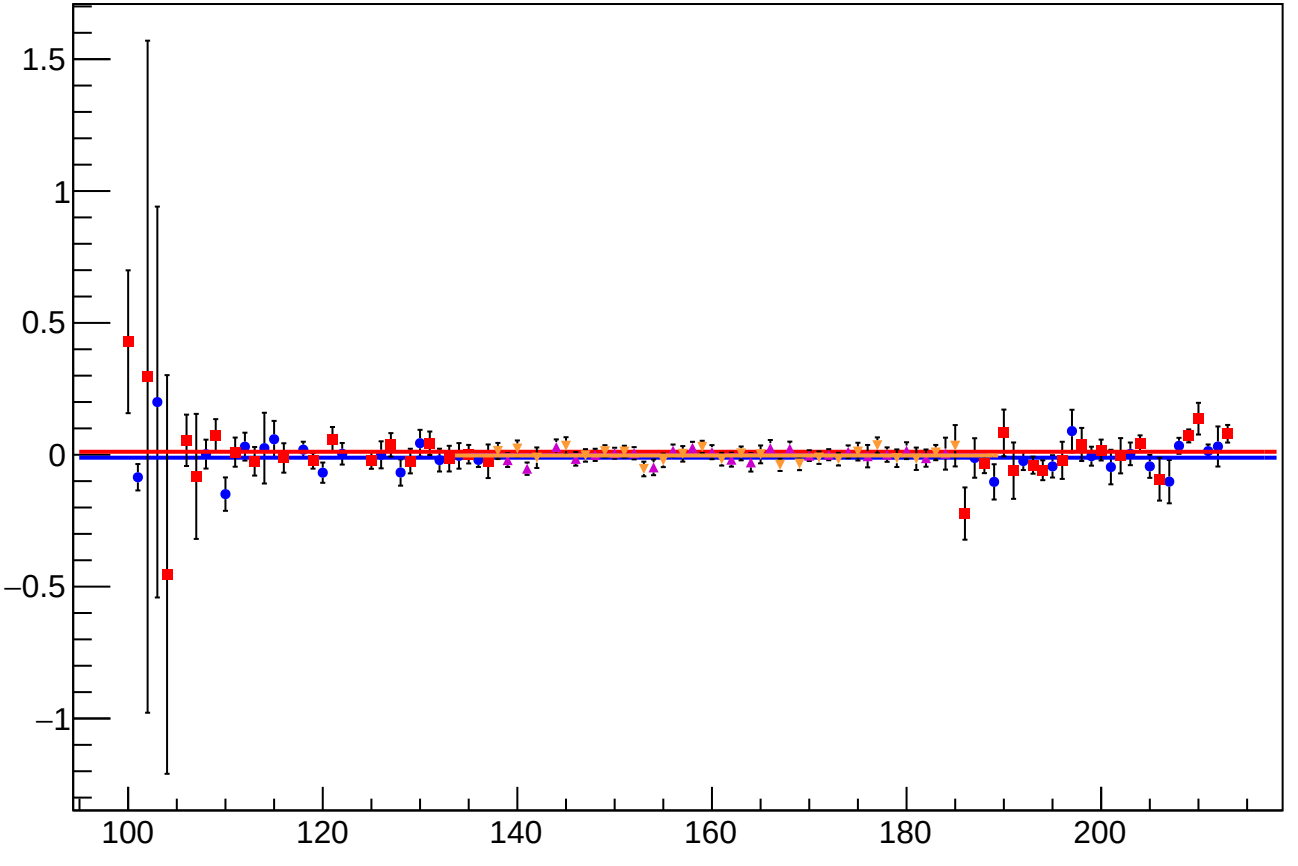
Right: 29.622+/-0.004 χ^2/NDF: 8985323.9/61

In: 23.642+/-0.003 χ^2/NDF:6189868.9/51

Out: 24.760+/-0.003 χ^2/NDF:6959396.4/56

All: 24.188+/-0.002 χ^2/NDF: 13207909.5/108

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.008 χ^2/NDF: 24.7/28

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

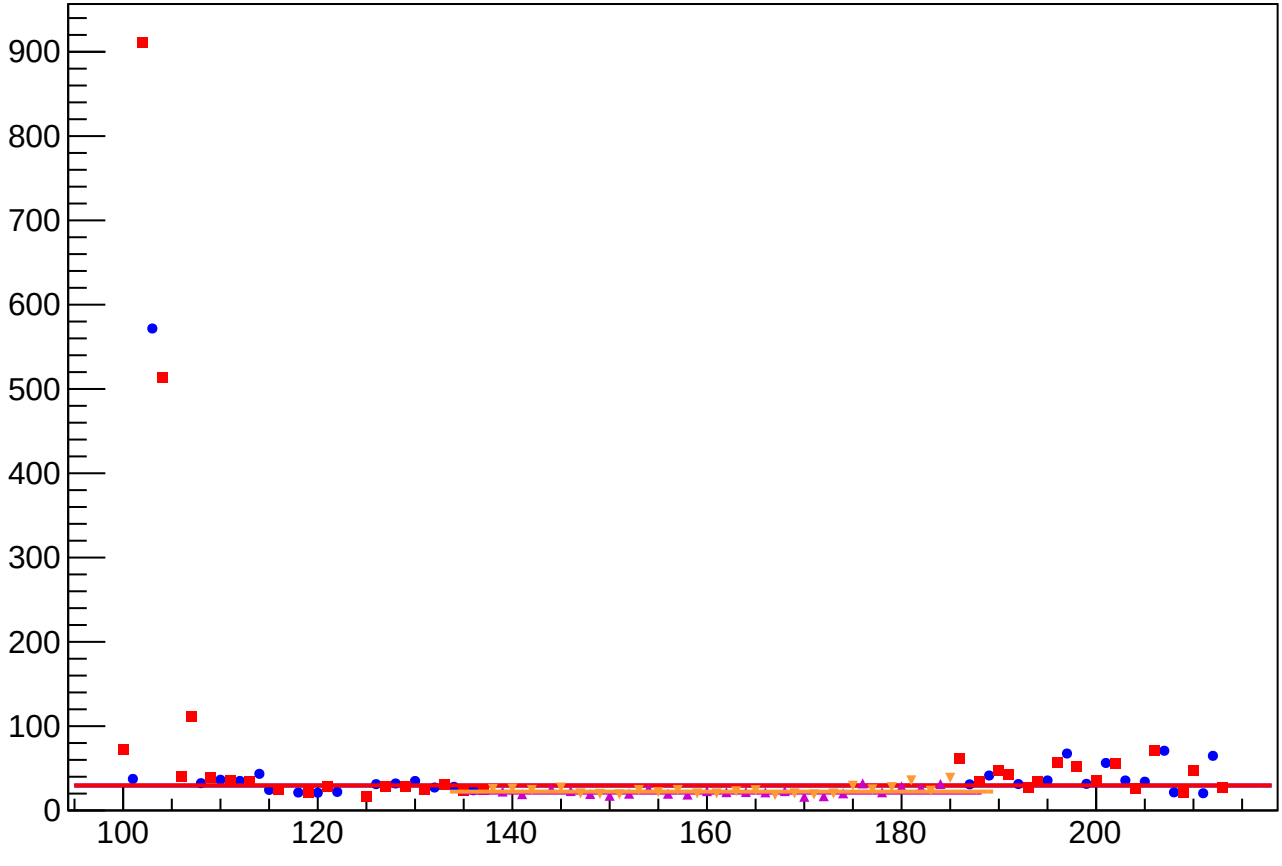
Right: 0.000+/-0.006 χ^2/NDF: 70.5/61

In: -0.004+/-0.005 χ^2/NDF:40.7/51

Out: 0.002+/-0.005 χ^2/NDF:60.3/56

All: -0.001+/-0.003 χ^2/NDF: 101.8/108

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.493+/-0.006 χ^2/NDF: 3941649.0/28

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

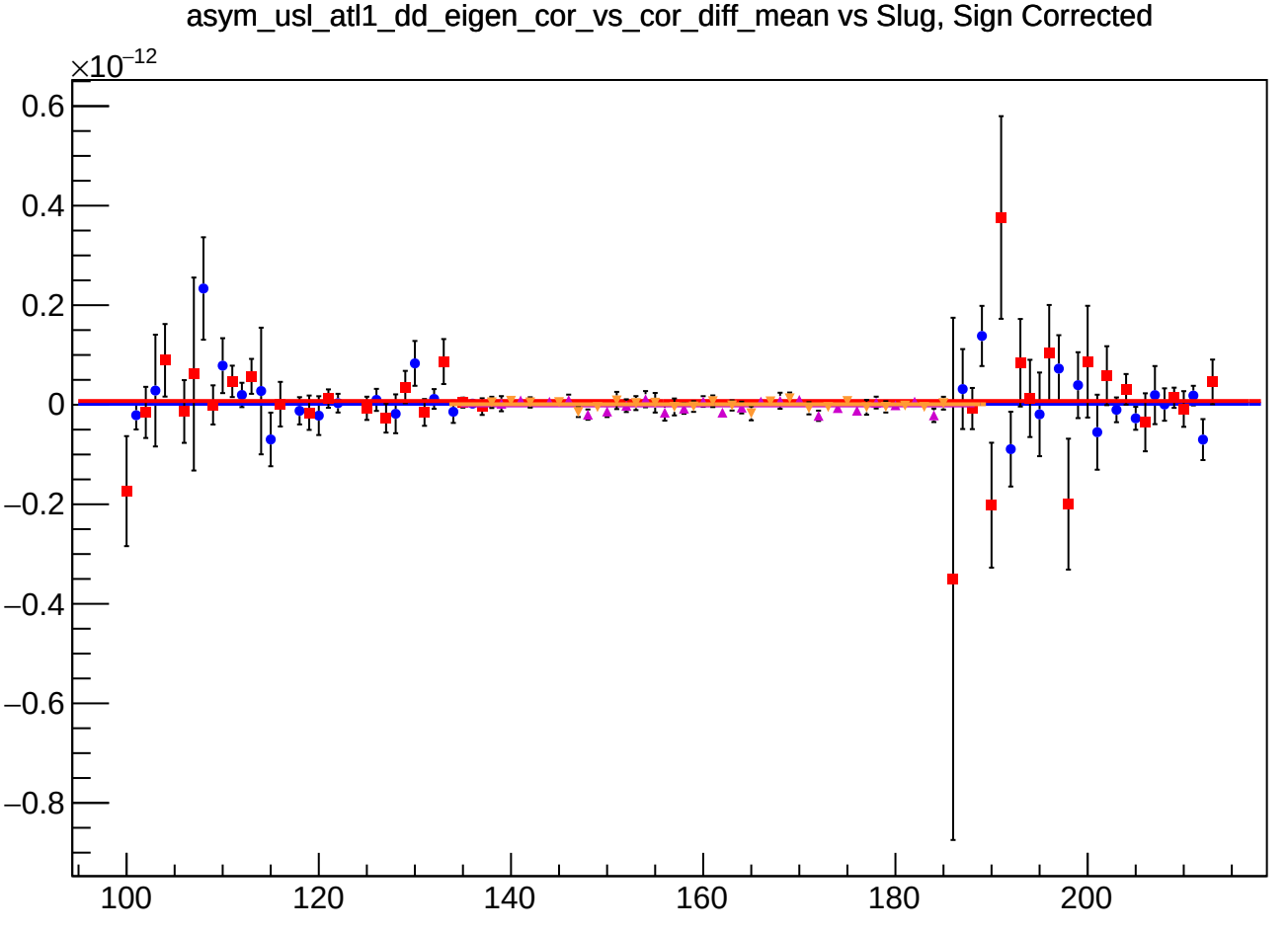
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 29.622+/-0.004 χ^2/NDF: 8985323.9/61

In: 23.642+/-0.003 χ^2/NDF:6189868.9/51

Out: 24.760+/-0.003 χ^2/NDF:6959396.4/56

All: 24.188+/-0.002 χ^2/NDF: 13207909.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/28

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

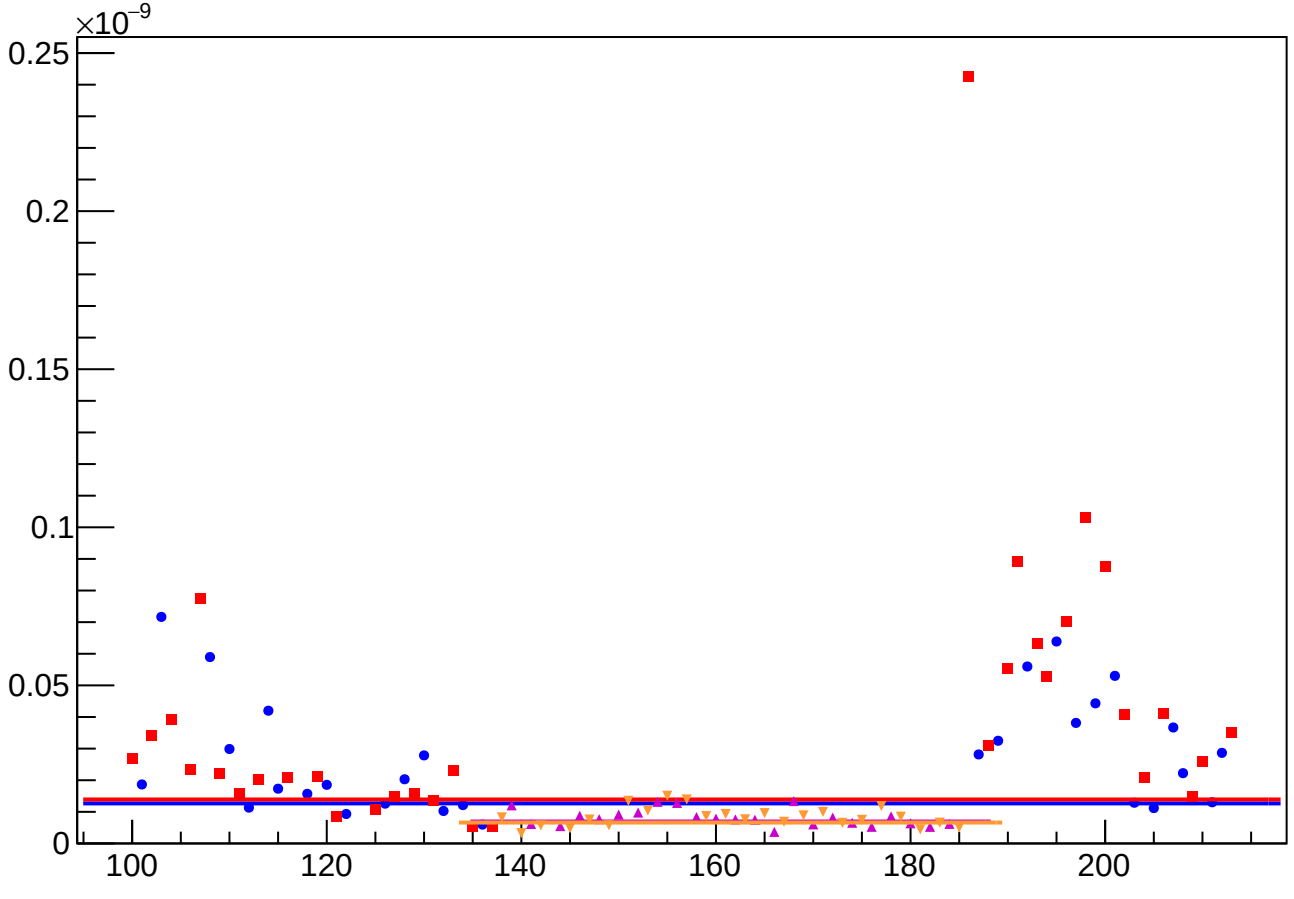
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

Right: 0.000+/-0.000 χ^2/NDF: 59.7/61

In: -0.000+/-0.000 χ^2/NDF:55.6/51

Out: 0.000+/-0.000 χ^2/NDF:42.5/56

All: 0.000+/-0.000 χ^2/NDF: 99.1/108



Right In: 0.000+/-0.000 χ^2/NDF: 6924711.3/28

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

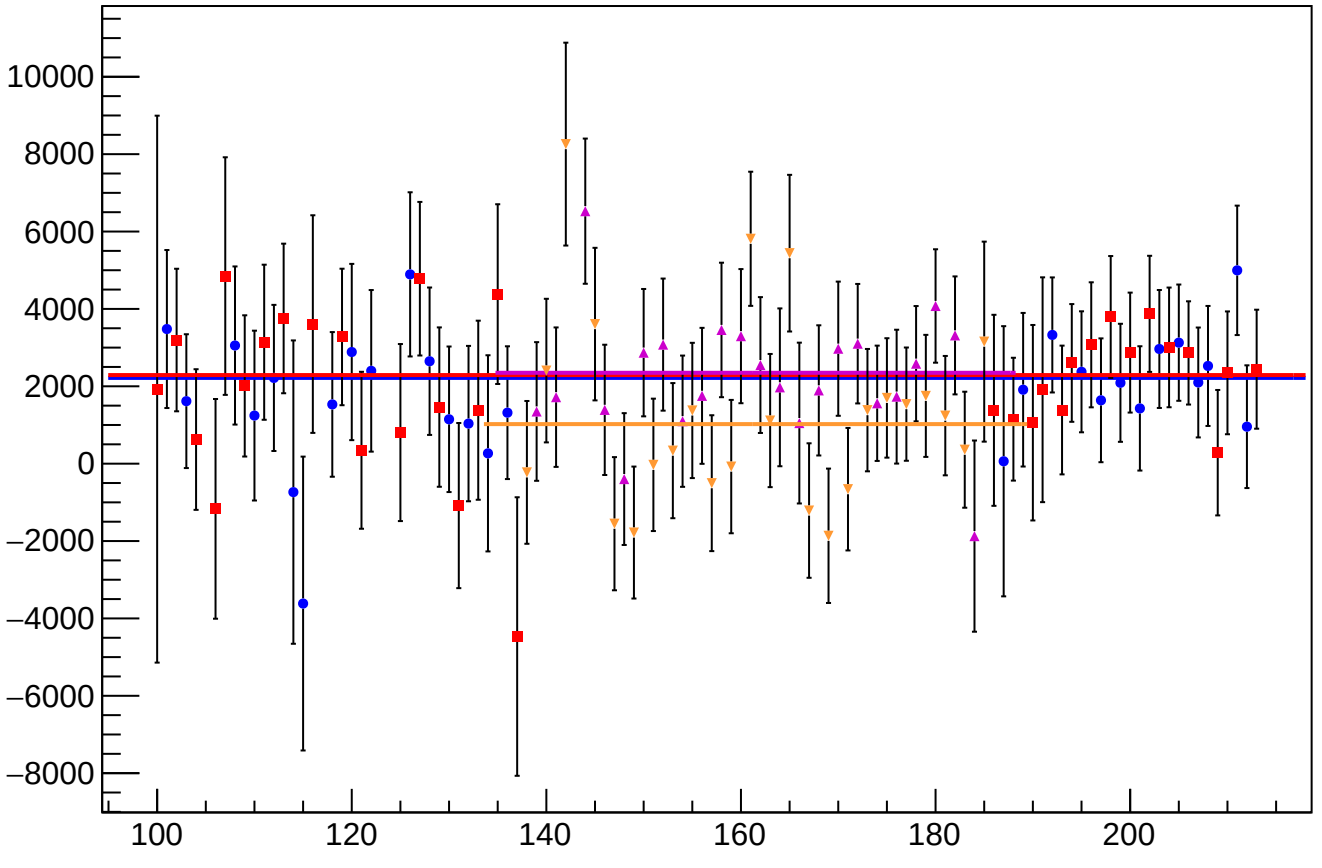
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 16785426.0/61

In: 0.000+/-0.000 χ^2/NDF:11470605.2/51

Out: 0.000+/-0.000 χ^2/NDF:16422464.8/56

All: 0.000+/-0.000 χ^2/NDF: 27916042.5/108



Right In: 2217.087+/-340.769 χ^2/NDF: 12.6/28

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

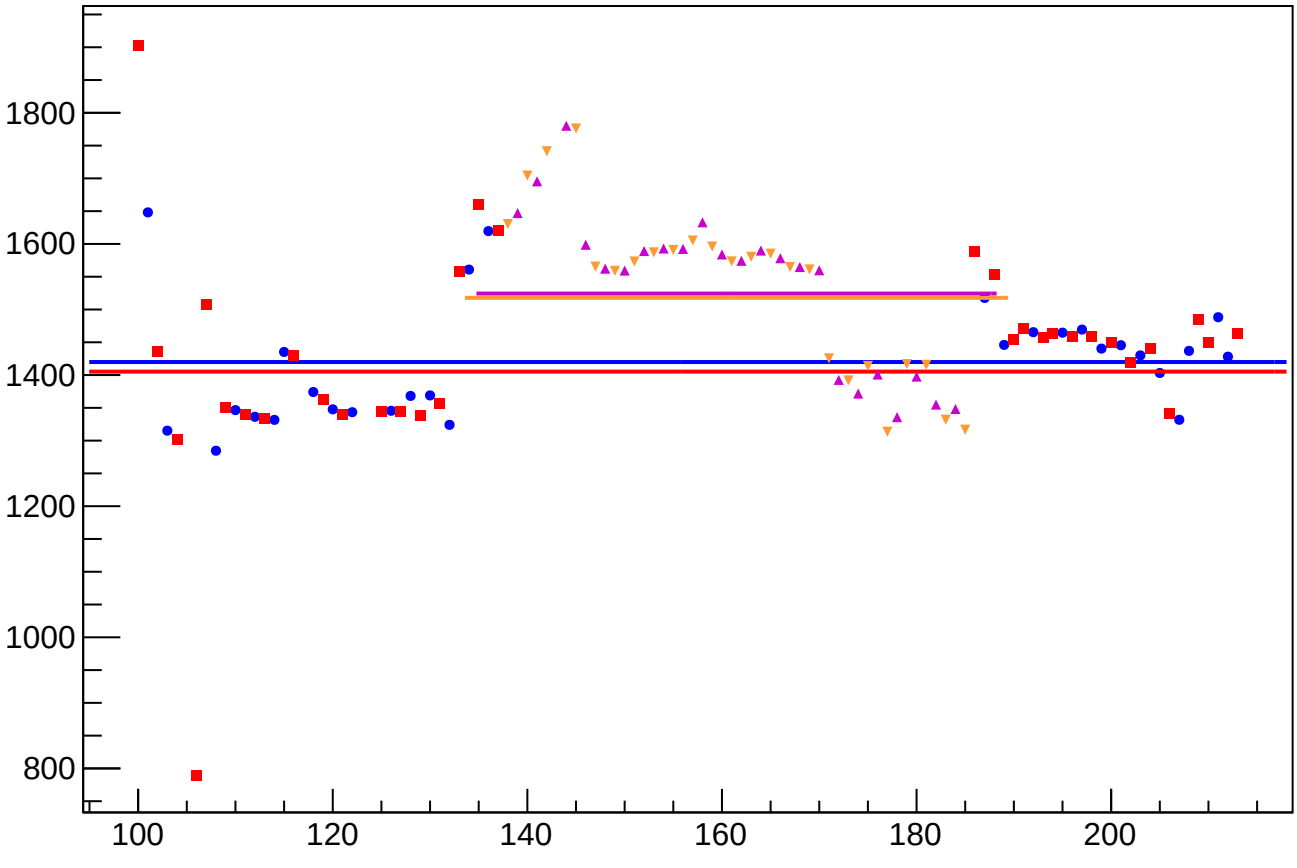
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2254.686+/-237.218 χ^2/NDF: 32.8/61

In: 2280.054+/-246.521 χ^2/NDF:28.6/51

Out: 1698.964+/-241.378 χ^2/NDF:63.5/56

All: 1983.384+/-172.469 χ^2/NDF: 95.0/108



Right In: 1419.877+/-0.241 χ^2/NDF: 117256.0/28

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

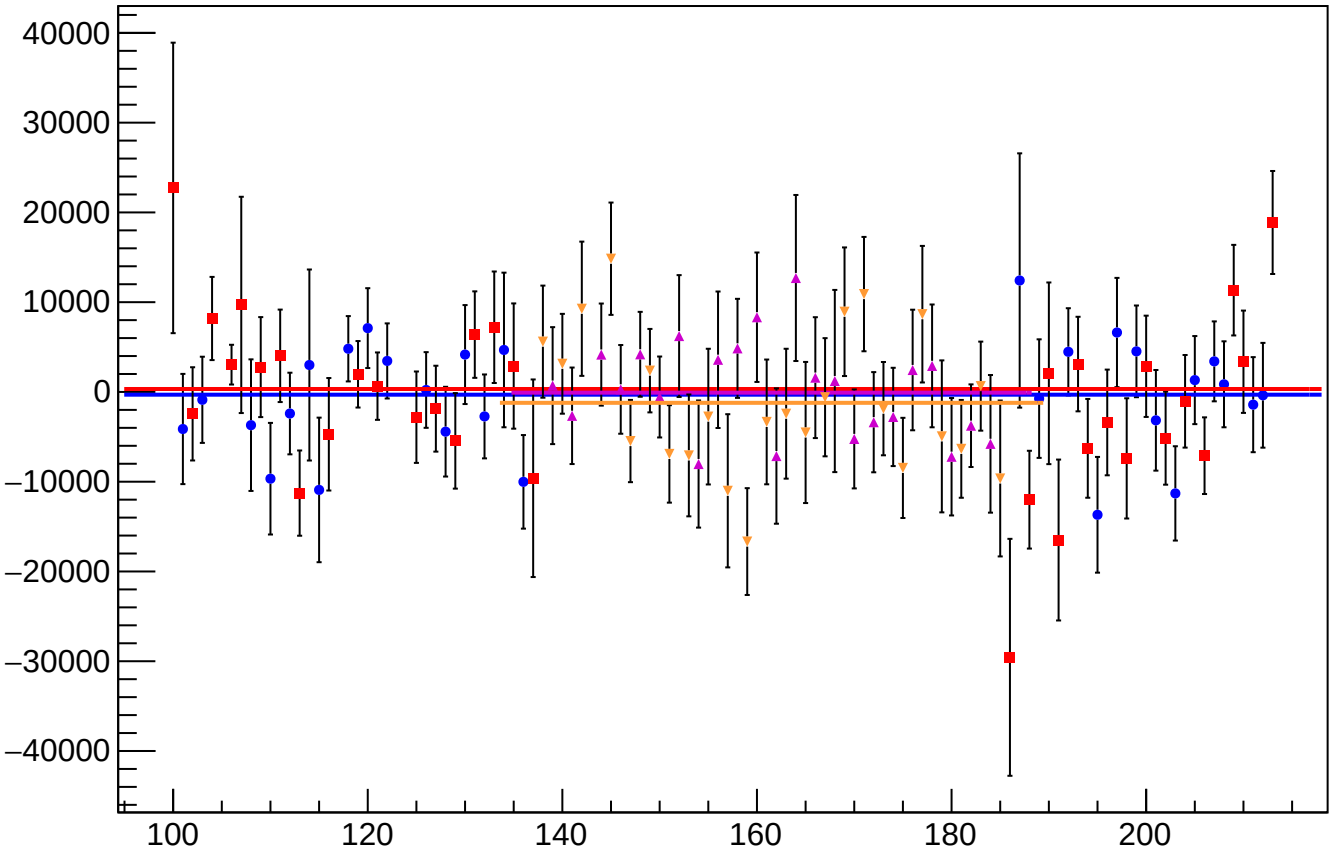
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1412.250+/-0.167 χ^2/NDF: 528802.9/61

In: 1469.657+/-0.174 χ^2/NDF:431118.9/51

Out: 1457.020+/-0.169 χ^2/NDF:753125.4/56

All: 1463.161+/-0.122 χ^2/NDF: 1186946.1/10



Right In: -305.760+/-988.302 χ^2/NDF: 29.7/28

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 328.783+/-897.755 χ^2/NDF: 57.4/32

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

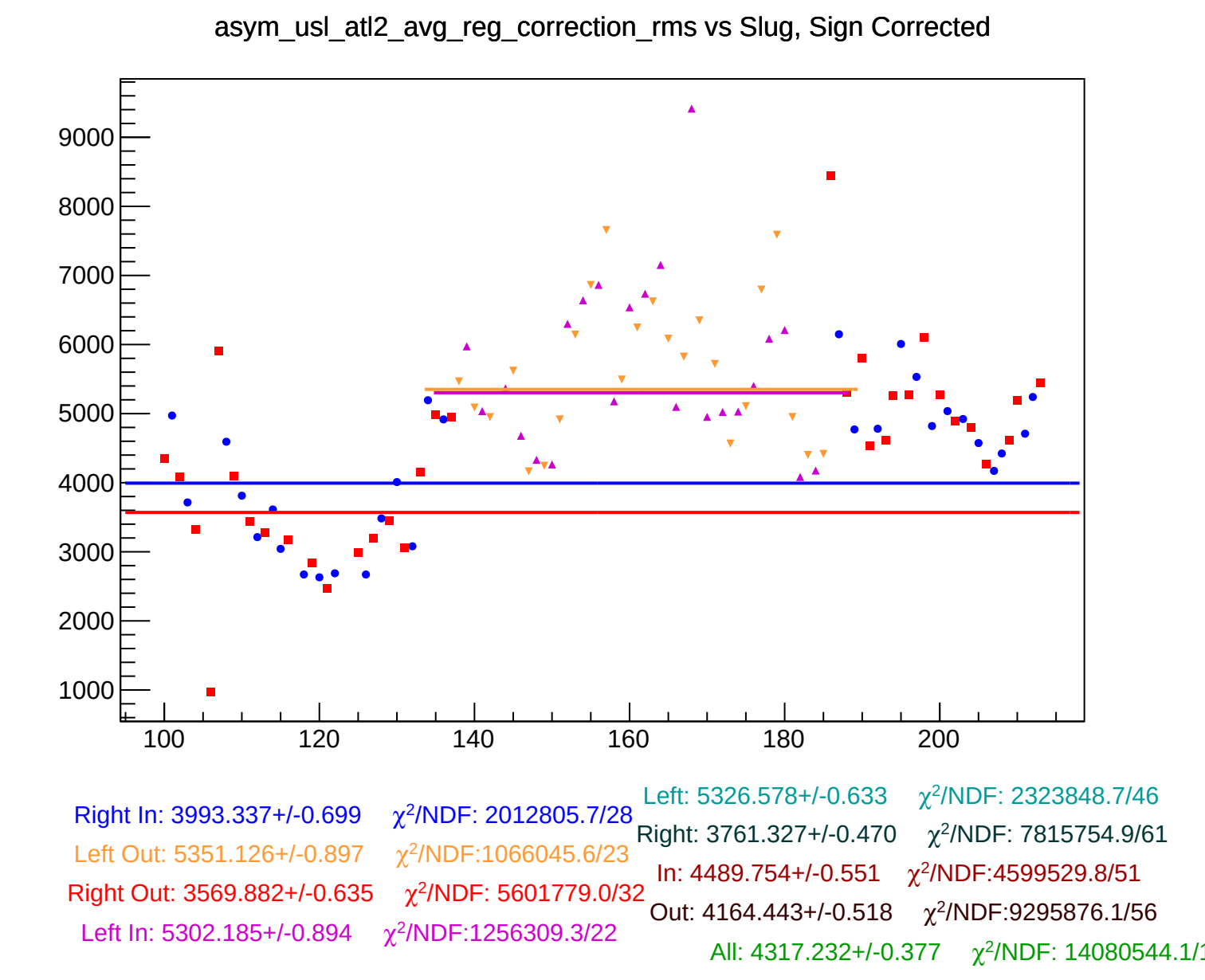
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

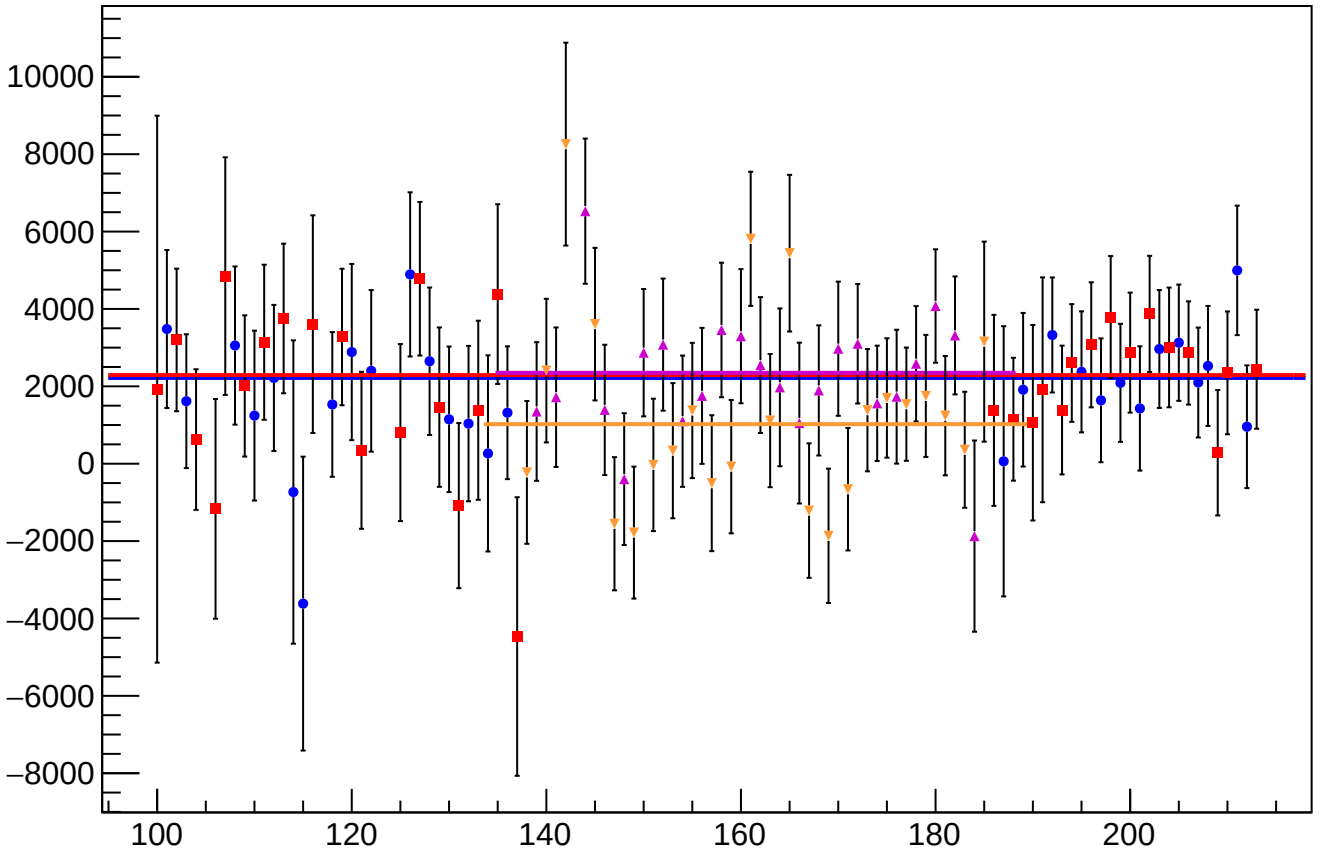
Right: 41.905+/-664.519 χ^2/NDF: 87.4/61

In: -220.430+/-778.643 χ^2/NDF:43.0/51

Out: -185.478+/-732.763 χ^2/NDF:91.6/56

All: -201.894+/-533.624 χ^2/NDF: 134.6/108


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: 3993.337+/-0.699 χ²/NDF: 2012805.7/28
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: 3761.327+/-0.470 χ²/NDF: 7815754.9/61
In: 4489.754+/-0.551 χ²/NDF:4599529.8/51
Out: 4164.443+/-0.518 χ²/NDF:9295876.1/56
All: 4317.232+/-0.377 χ²/NDF: 14080544.1/



Right In: 2217.071+/-340.769 χ^2/NDF: 12.6/28

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

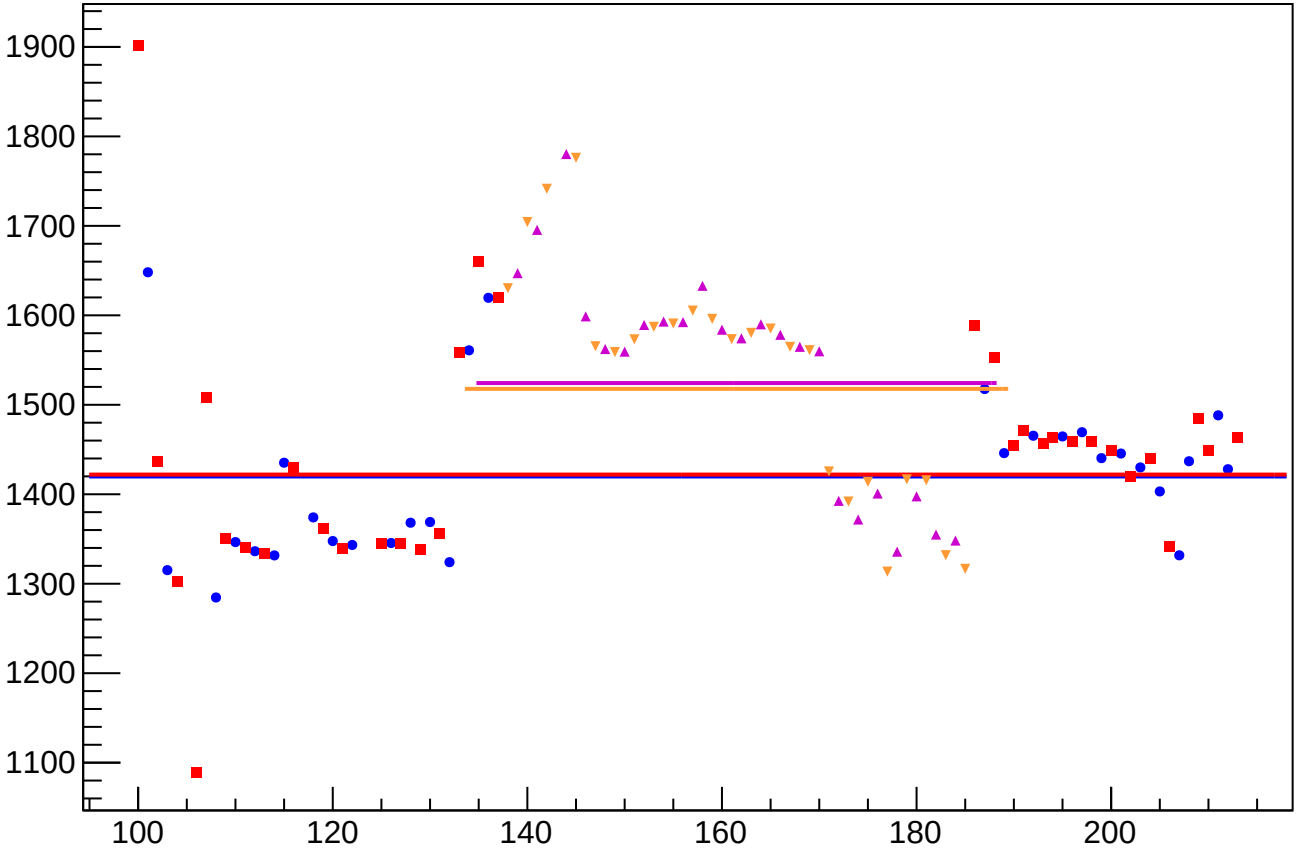
Right: 2254.712+/-237.218 χ^2/NDF: 32.8/61

In: 2280.044+/-246.521 χ^2/NDF:28.6/51

Out: 1699.011+/-241.378 χ^2/NDF:63.5/56

All: 1983.404+/-172.469 χ^2/NDF: 95.0/108

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1419.877+/-0.241 χ^2/NDF: 117256.1/28

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

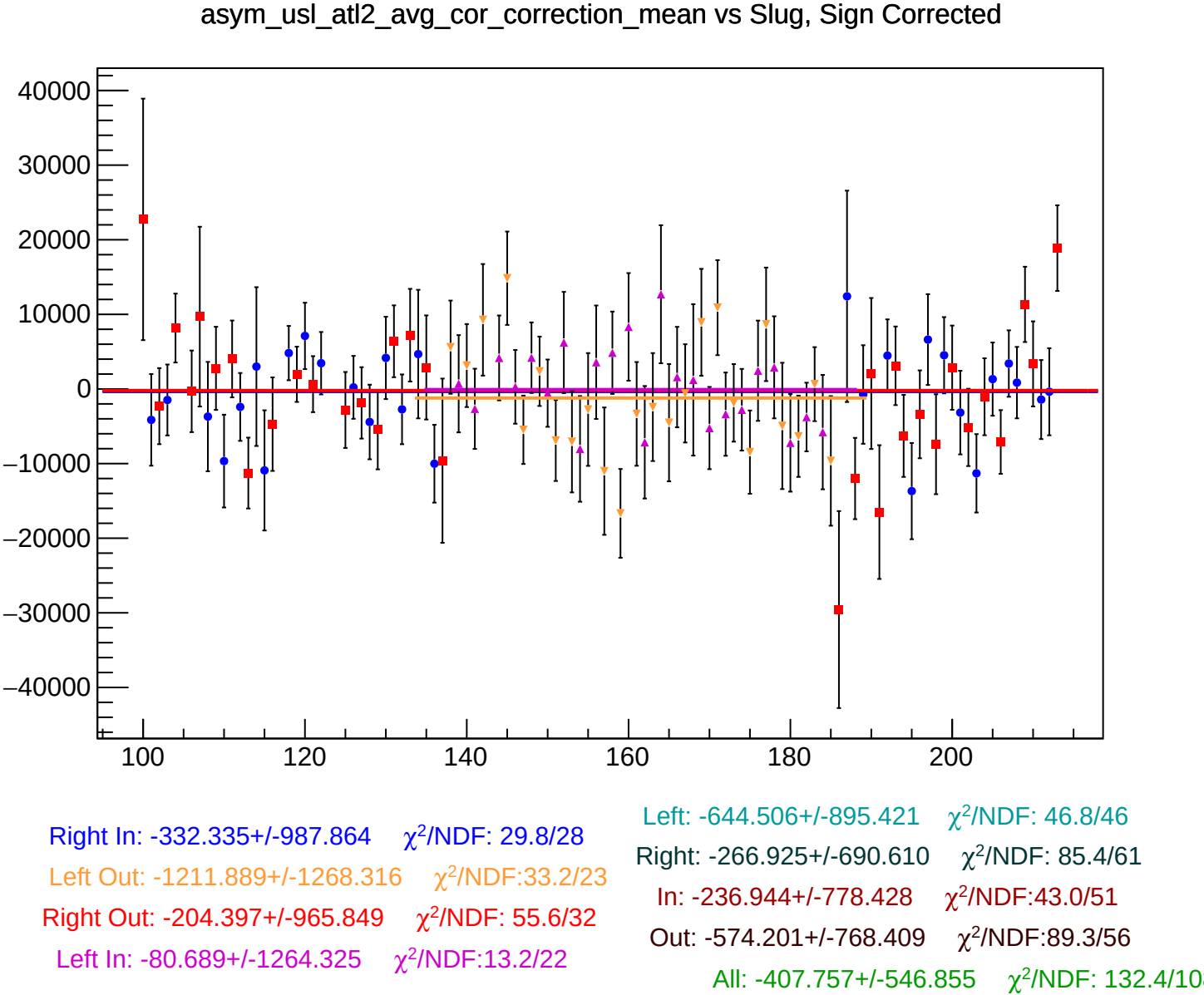
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

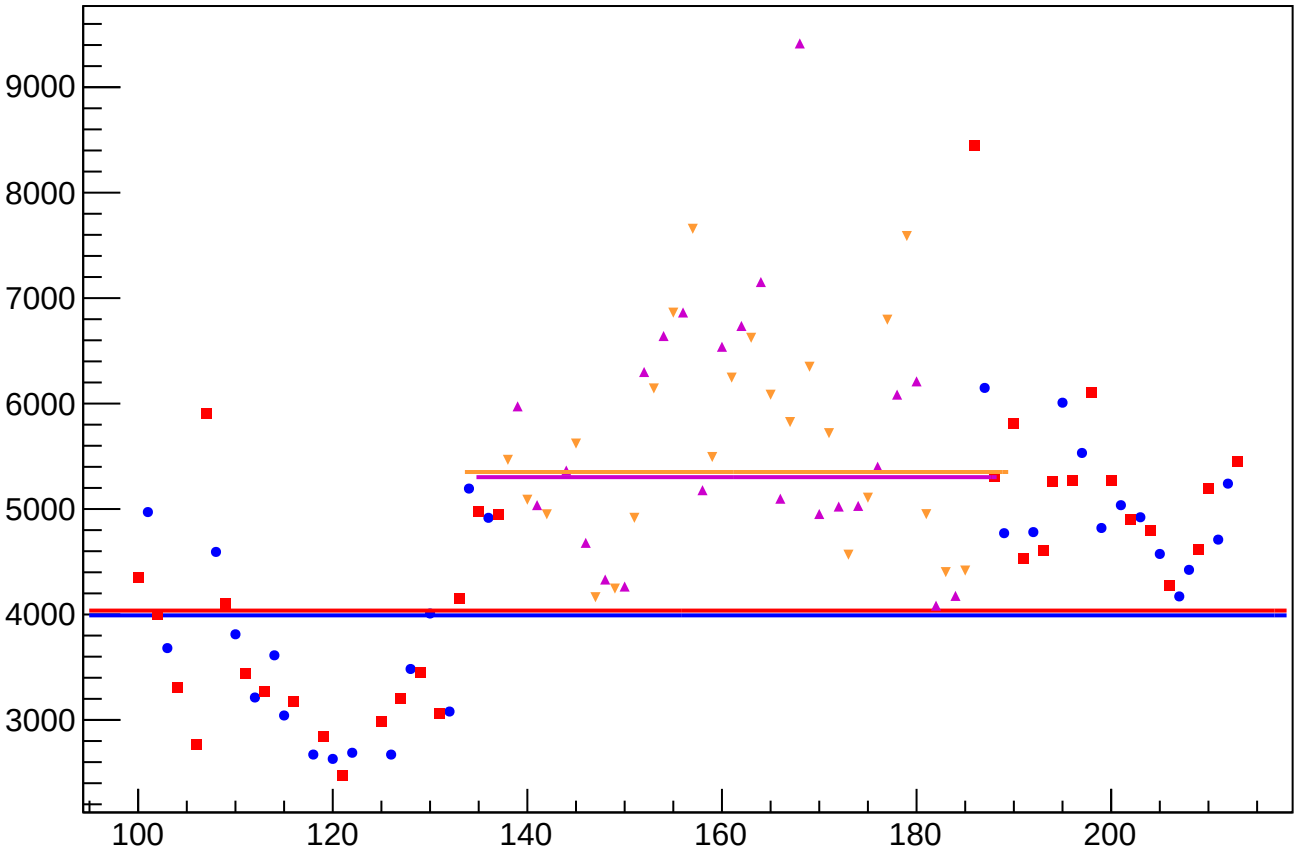
Right: 1420.977+/-0.167 χ^2/NDF: 288602.9/61

In: 1469.657+/-0.174 χ^2/NDF:431119.0/51

Out: 1466.424+/-0.170 χ^2/NDF:484092.0/56

All: 1468.002+/-0.122 χ^2/NDF: 915387.1/108


asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -332.335+/-987.864 χ²/NDF: 29.8/28
Left Out: -1211.889+/-1268.316 χ²/NDF:33.2/23
Right Out: -204.397+/-965.849 χ²/NDF: 55.6/32
Left In: -80.689+/-1264.325 χ²/NDF:13.2/22
Left: -644.506+/-895.421 χ²/NDF: 46.8/46
Right: -266.925+/-690.610 χ²/NDF: 85.4/61
In: -236.944+/-778.428 χ²/NDF:43.0/51
Out: -574.201+/-768.409 χ²/NDF:89.3/56
All: -407.757+/-546.855 χ²/NDF: 132.4/108



Right In: 3991.625+/-0.699 χ^2/NDF: 2014603.2/28

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

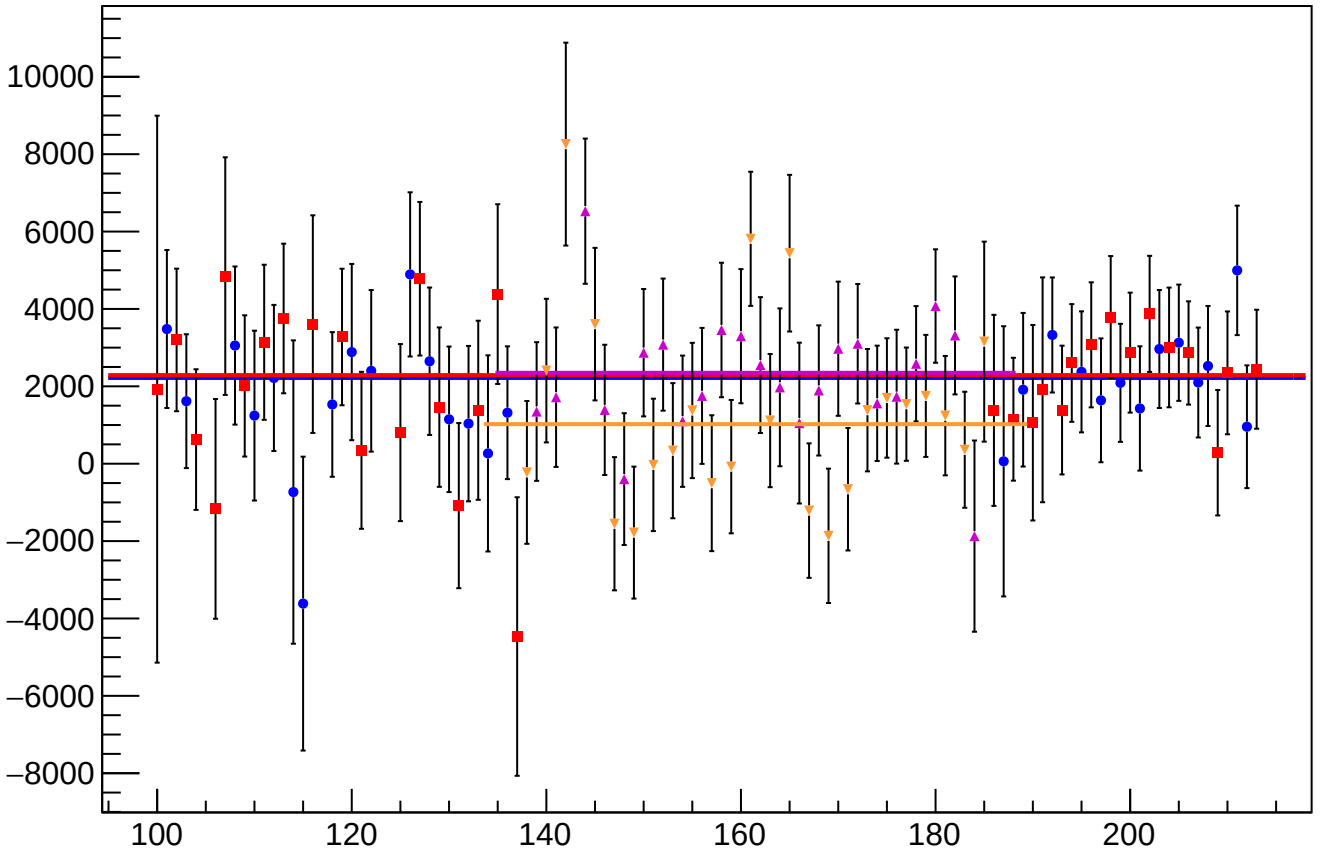
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 4014.836+/-0.488 χ^2/NDF: 4429443.4/61

In: 4488.416+/-0.550 χ^2/NDF:4605258.1/51

Out: 4519.373+/-0.543 χ^2/NDF:4837668.7/56

All: 4504.095+/-0.387 χ^2/NDF: 9444528.8/10



Right In: 2217.071+/-340.769 χ^2/NDF: 12.6/28

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

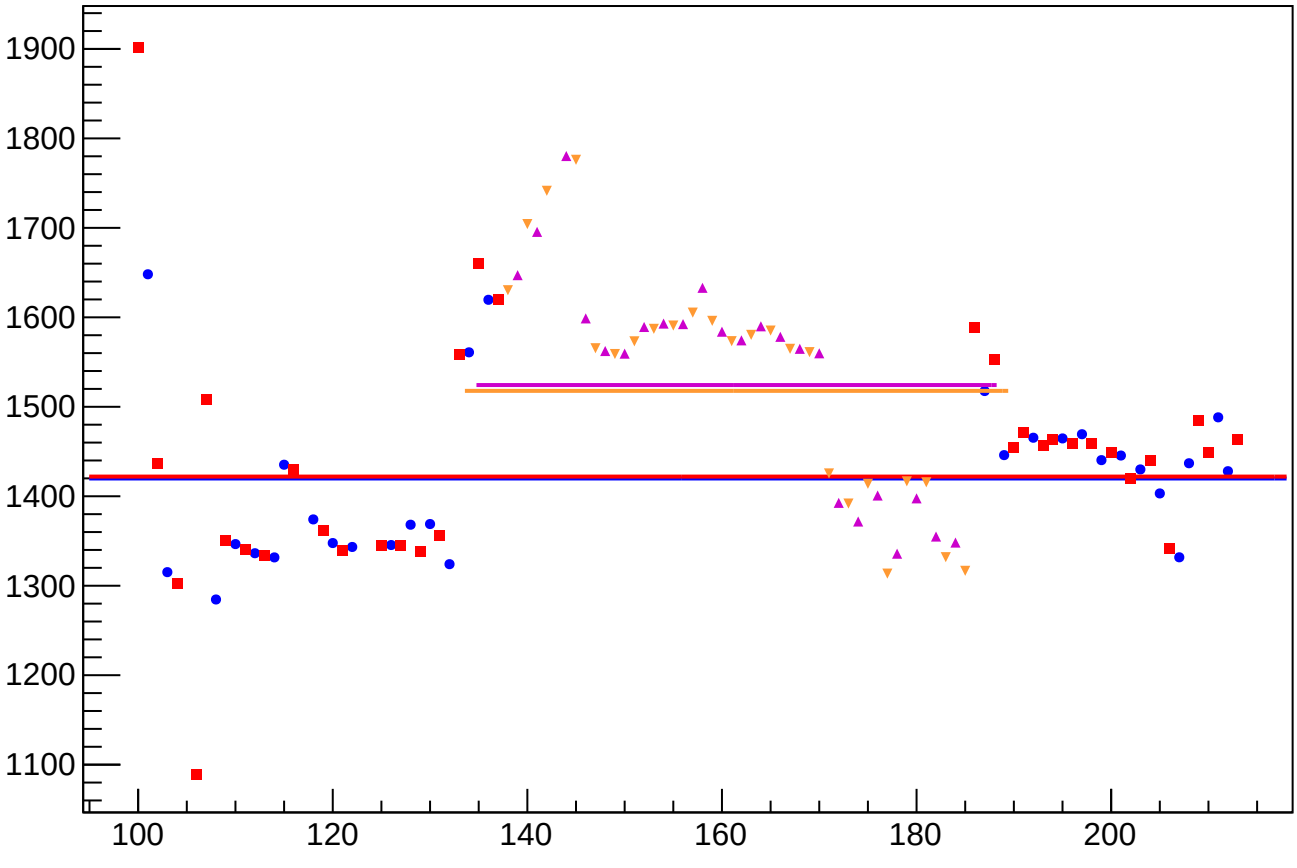
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2254.712+/-237.218 χ^2/NDF: 32.8/61

In: 2280.044+/-246.521 χ^2/NDF:28.6/51

Out: 1699.011+/-241.378 χ^2/NDF:63.5/56

All: 1983.404+/-172.469 χ^2/NDF: 95.0/108



Right In: 1419.877+/-0.241 χ^2/NDF: 117256.1/28

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

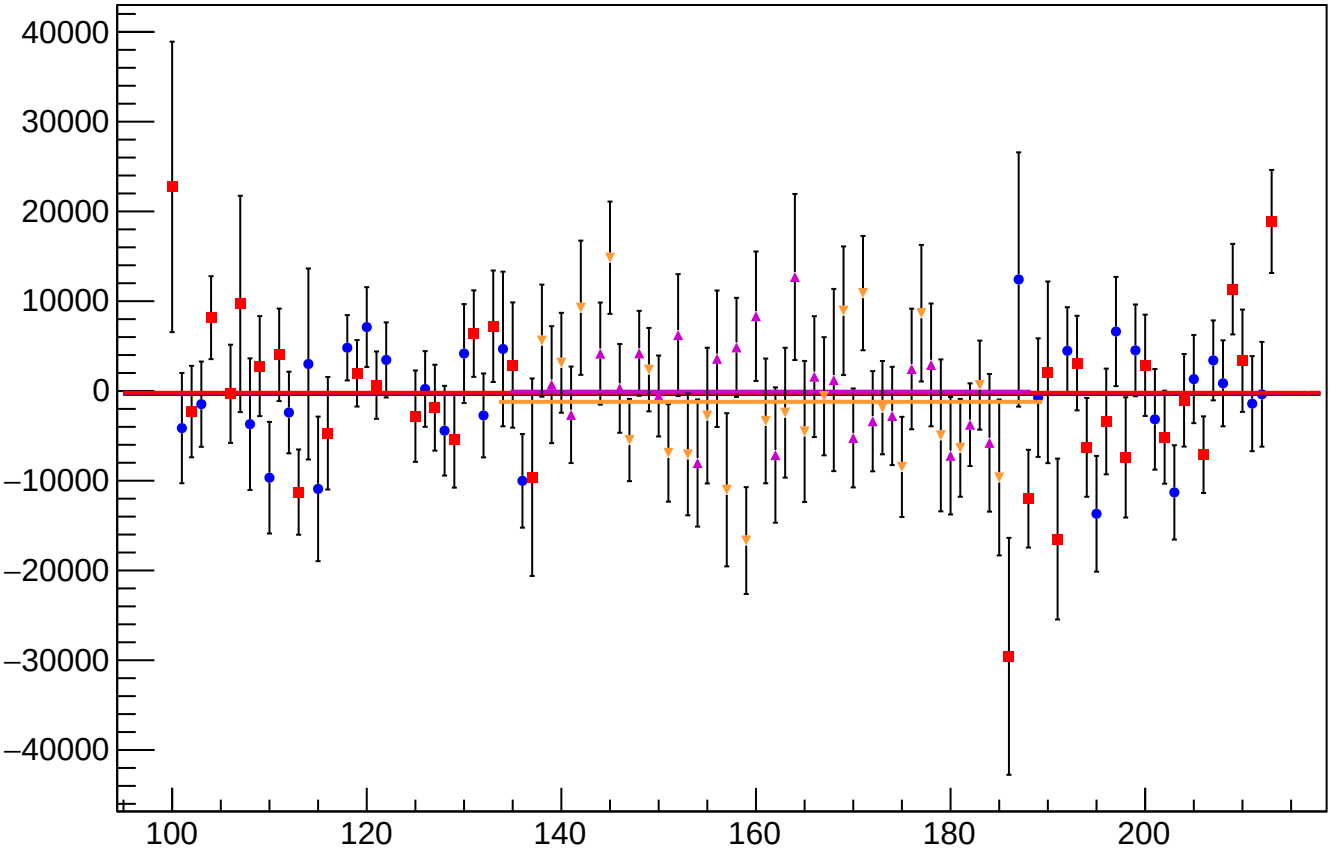
Right: 1420.977+/-0.167 χ^2/NDF: 288602.9/61

In: 1469.657+/-0.174 χ^2/NDF:431119.0/51

Out: 1466.424+/-0.170 χ^2/NDF:484092.0/56

All: 1468.002+/-0.122 χ^2/NDF: 915387.1/108

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -332.335+/-987.864 χ^2/NDF: 29.8/28

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

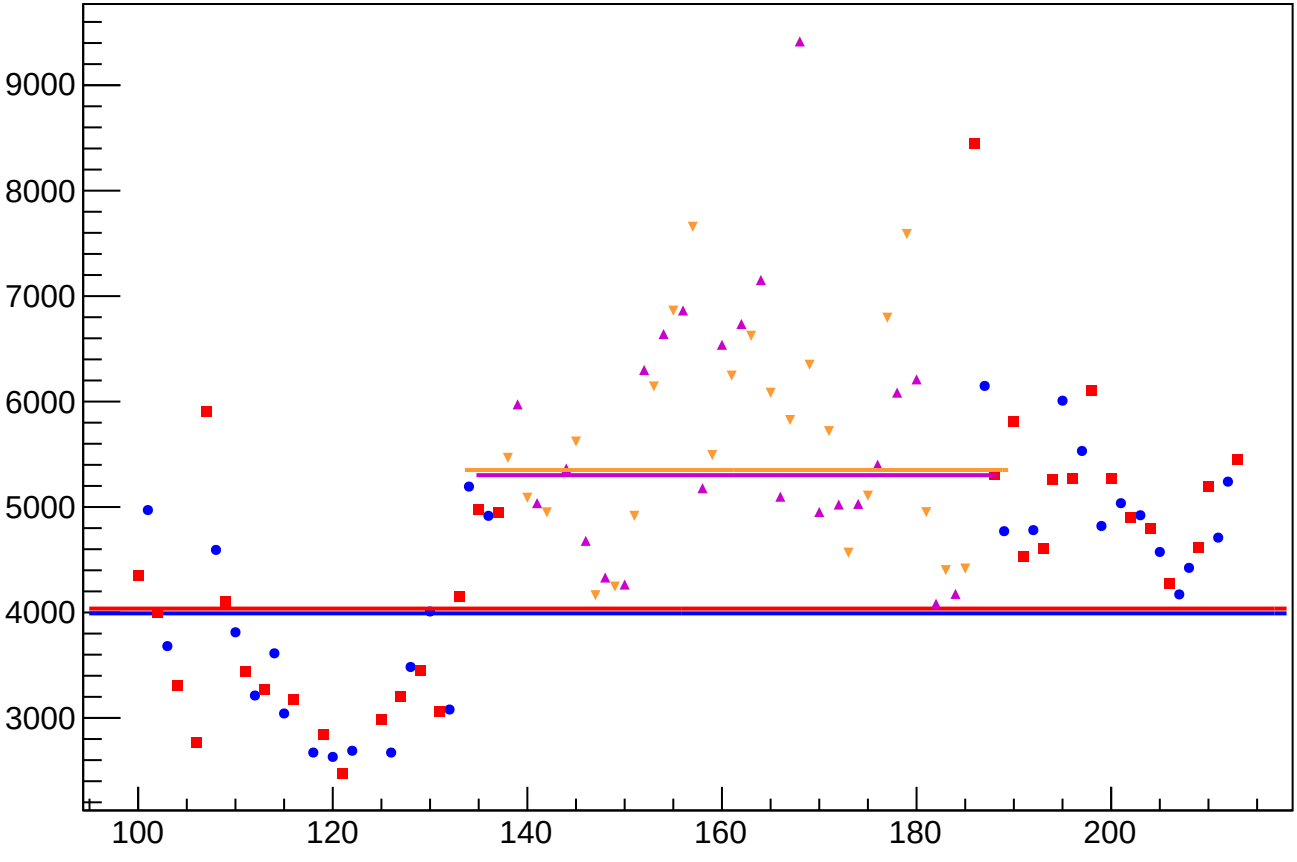
Right: -266.925+/-690.610 χ^2/NDF: 85.4/61

In: -236.944+/-778.428 χ^2/NDF:43.0/51

Out: -574.201+/-768.409 χ^2/NDF:89.3/56

All: -407.757+/-546.855 χ^2/NDF: 132.4/108

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3991.625+/-0.699 χ^2/NDF: 2014603.2/28

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

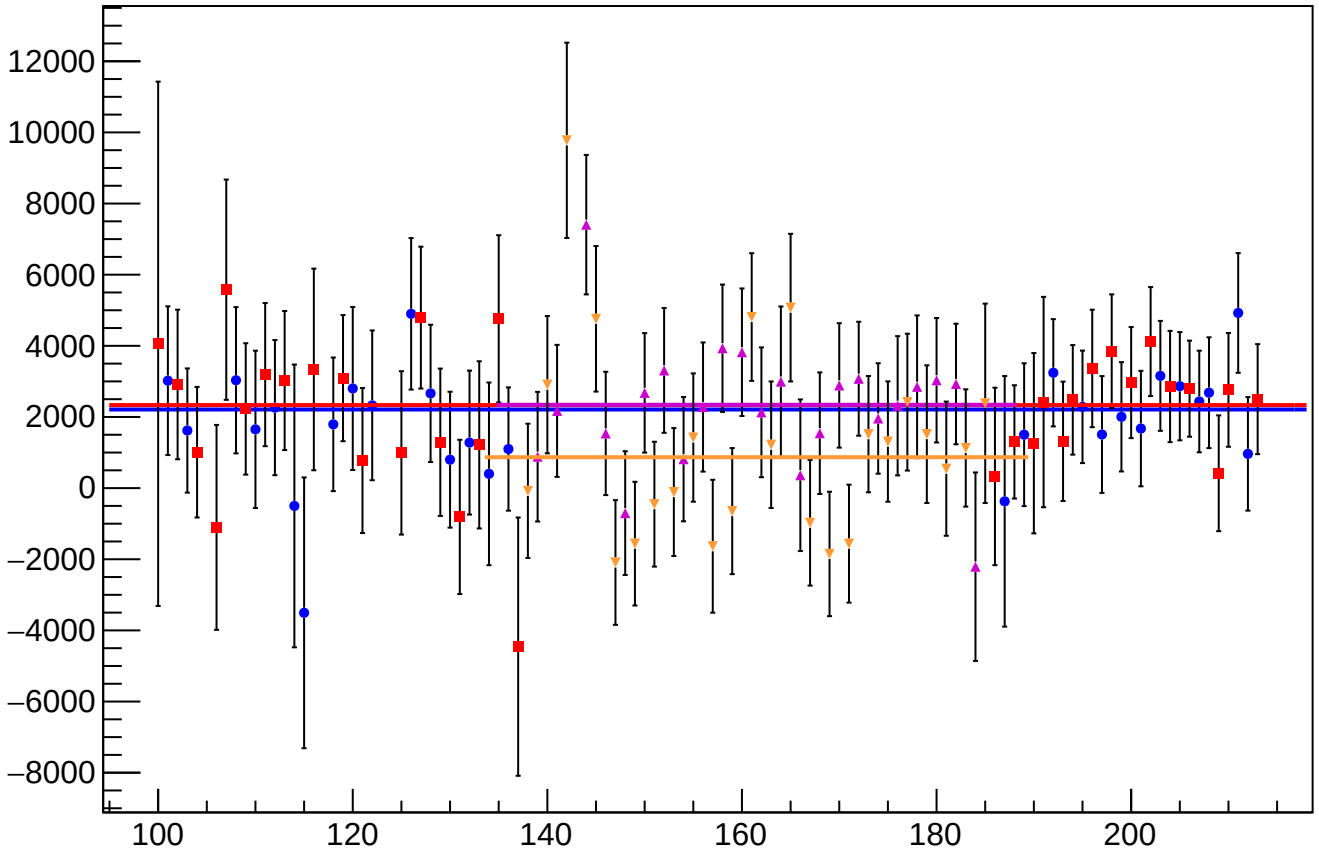
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 4014.836+/-0.488 χ^2/NDF: 4429443.4/61

In: 4488.416+/-0.550 χ^2/NDF:4605258.1/51

Out: 4519.373+/-0.543 χ^2/NDF:4837668.7/56

All: 4504.095+/-0.387 χ^2/NDF: 9444528.8/10



Right In: 2209.956+/-344.215 χ^2/NDF: 12.0/28

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

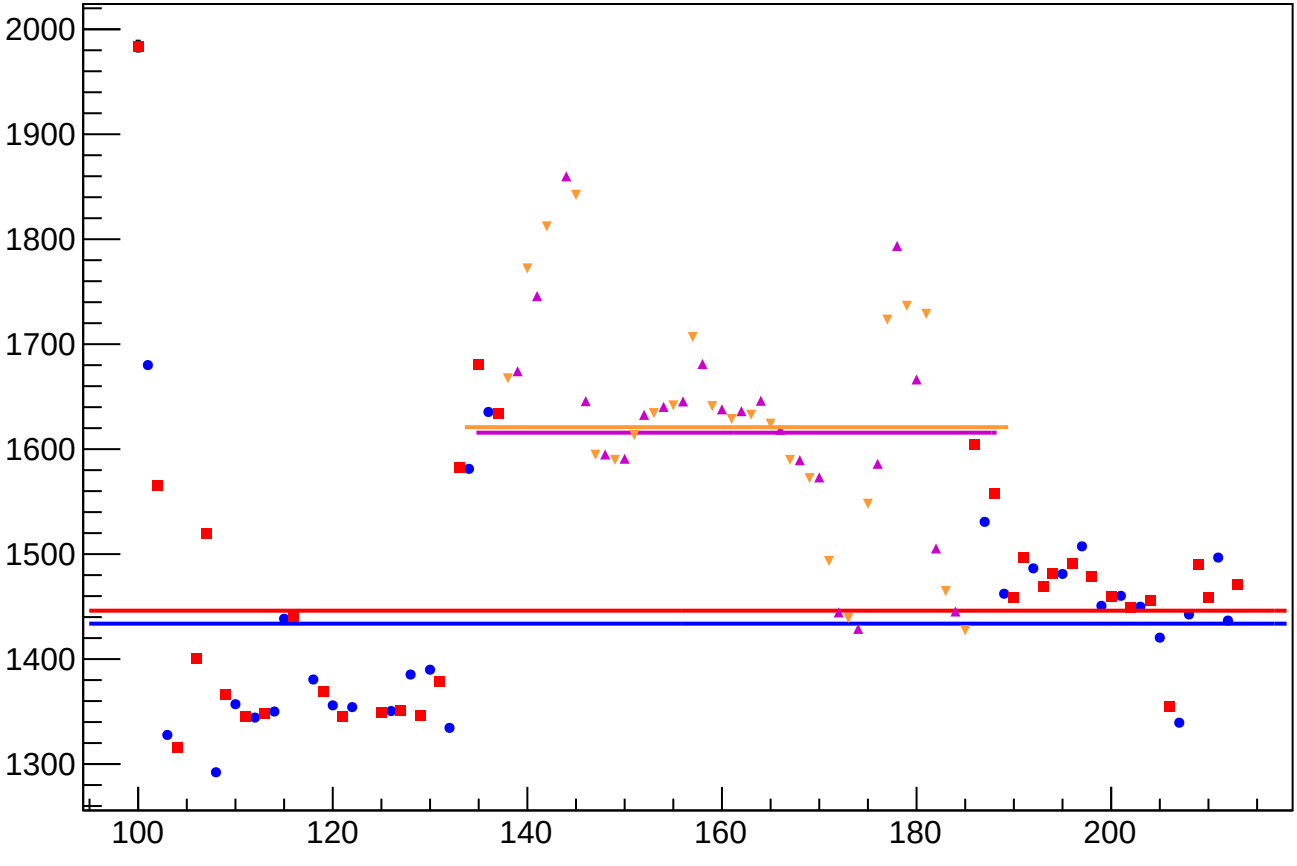
Right: 2273.941+/-240.019 χ^2/NDF: 31.6/61

In: 2269.932+/-254.539 χ^2/NDF:30.1/51

Out: 1688.291+/-250.411 χ^2/NDF:67.7/56

All: 1974.357+/-178.509 χ^2/NDF: 100.4/108

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1433.750+/-0.243 χ^2/NDF: 125936.3/28

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

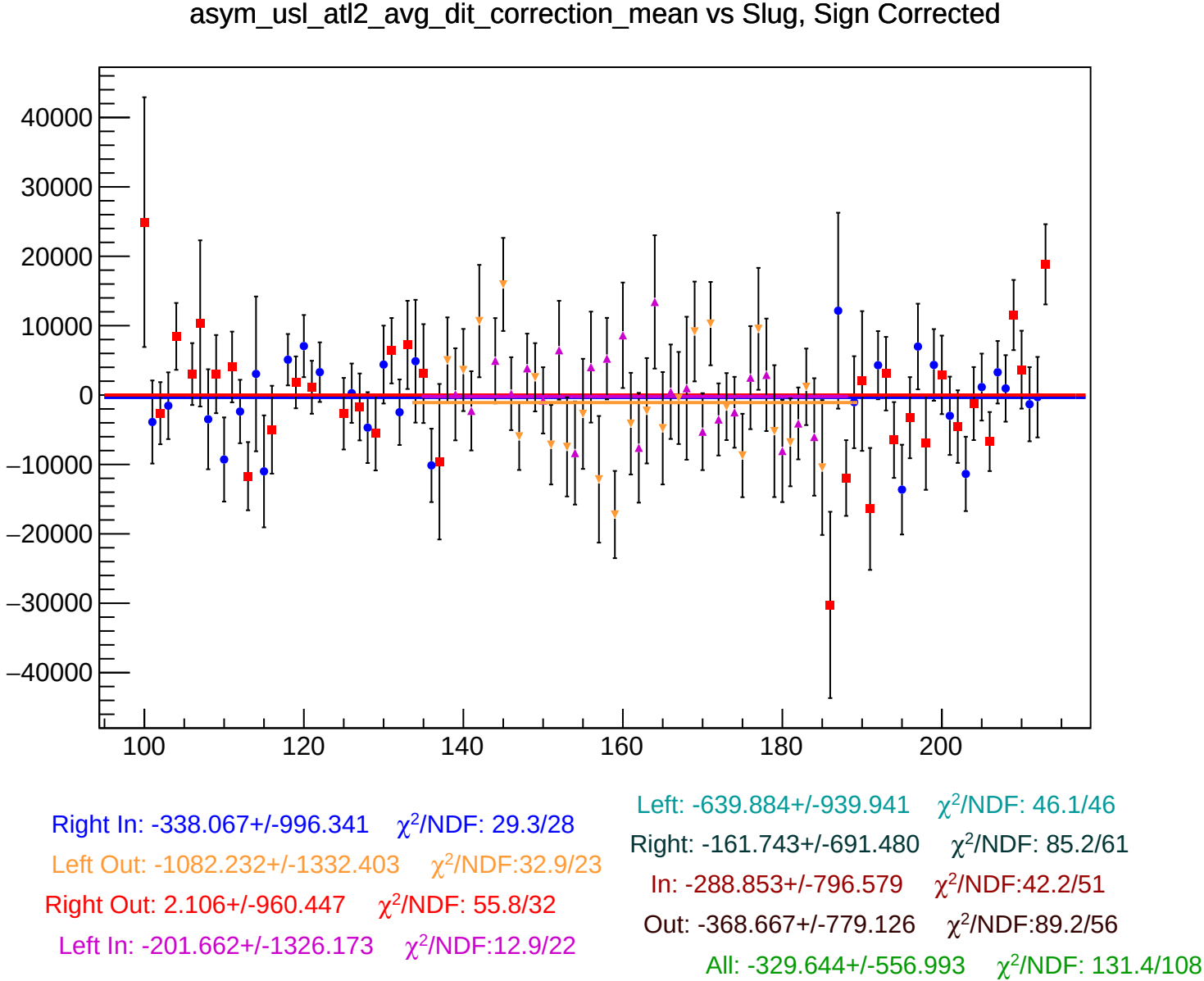
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

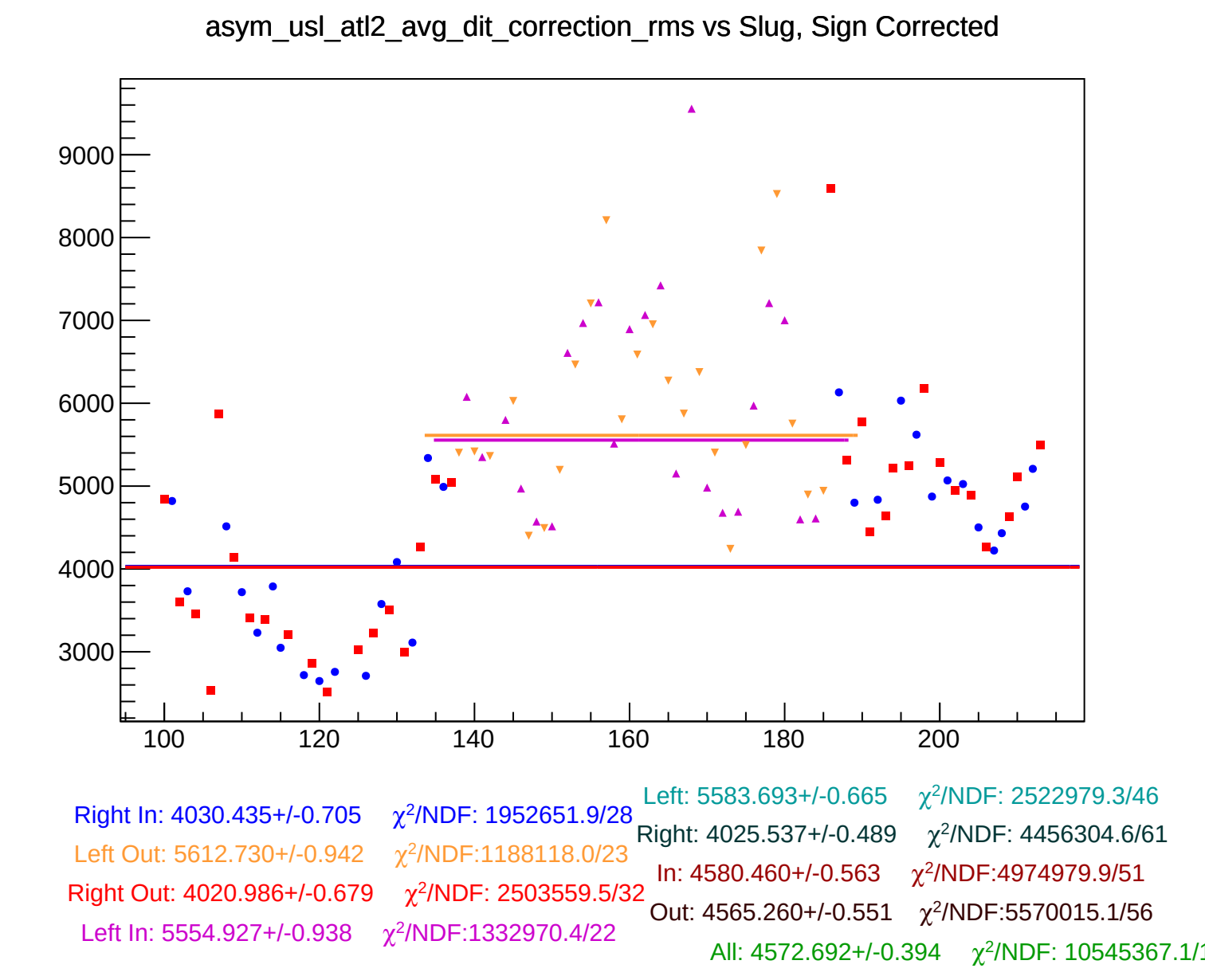
Right: 1440.111+/-0.170 χ^2/NDF: 259126.6/61

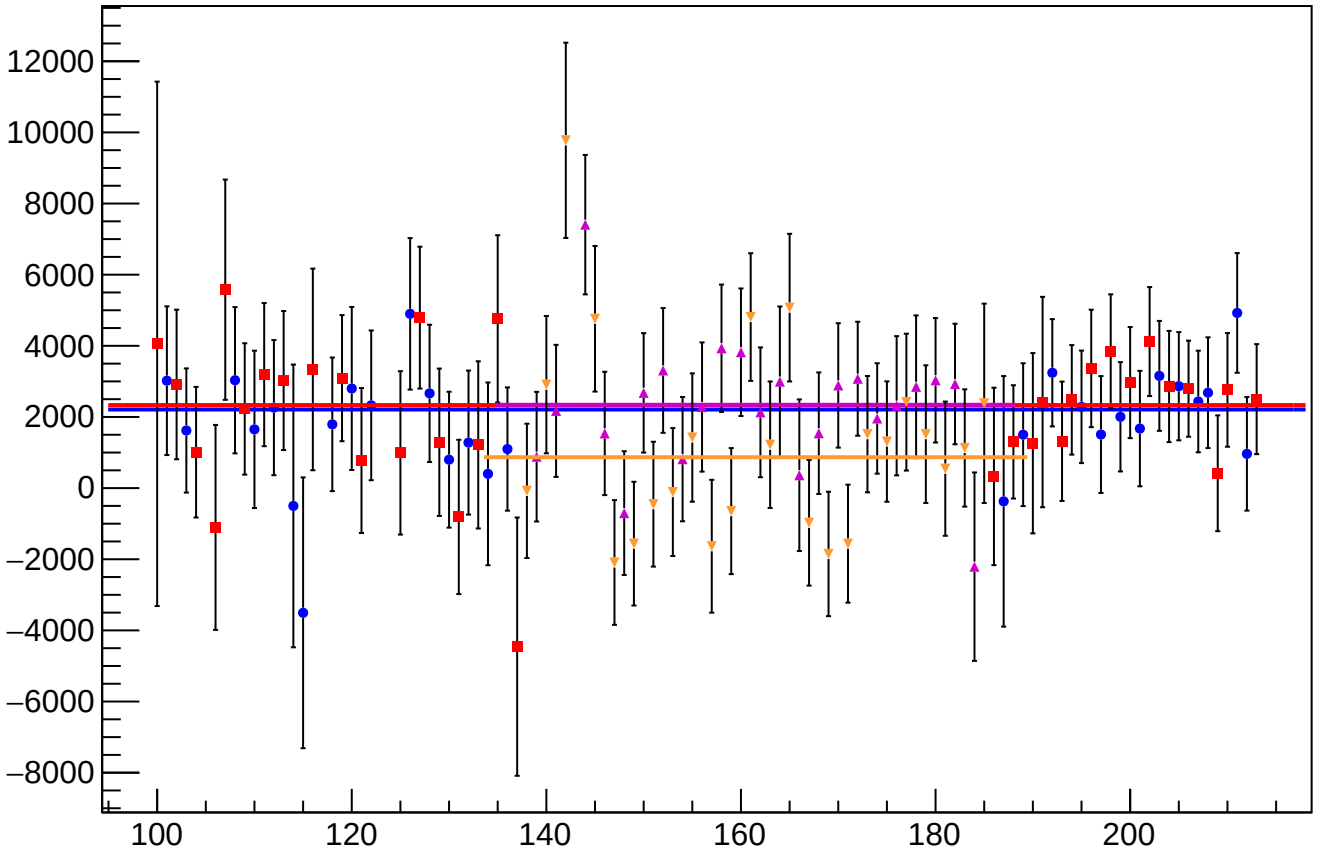
In: 1516.207+/-0.180 χ^2/NDF:516331.8/51

Out: 1523.084+/-0.177 χ^2/NDF:514368.2/56

All: 1519.704+/-0.126 χ^2/NDF: 1031442.3/10


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -338.067+/-996.341 χ²/NDF: 29.3/28
Left Out: -1082.232+/-1332.403 χ²/NDF:32.9/23
Right Out: 2.106+/-960.447 χ²/NDF: 55.8/32
Left In: -201.662+/-1326.173 χ²/NDF:12.9/22
Left: -639.884+/-939.941 χ²/NDF: 46.1/46
Right: -161.743+/-691.480 χ²/NDF: 85.2/61
In: -288.853+/-796.579 χ²/NDF:42.2/51
Out: -368.667+/-779.126 χ²/NDF:89.2/56
All: -329.644+/-556.993 χ²/NDF: 131.4/108


asym_usl_atl2_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
Right In: 4030.435+/-0.705 χ²/NDF: 1952651.9/28
Left Out: 5612.730+/-0.942 χ²/NDF:1188118.0/23
Right Out: 4020.986+/-0.679 χ²/NDF: 2503559.5/32
Left In: 5554.927+/-0.938 χ²/NDF:1332970.4/22
Left: 5583.693+/-0.665 χ²/NDF: 2522979.3/46
Right: 4025.537+/-0.489 χ²/NDF: 4456304.6/61
In: 4580.460+/-0.563 χ²/NDF:4974979.9/51
Out: 4565.260+/-0.551 χ²/NDF:5570015.1/56
All: 4572.692+/-0.394 χ²/NDF: 10545367.1/



Right In: 2209.957+/-344.215 χ^2/NDF: 12.0/28

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

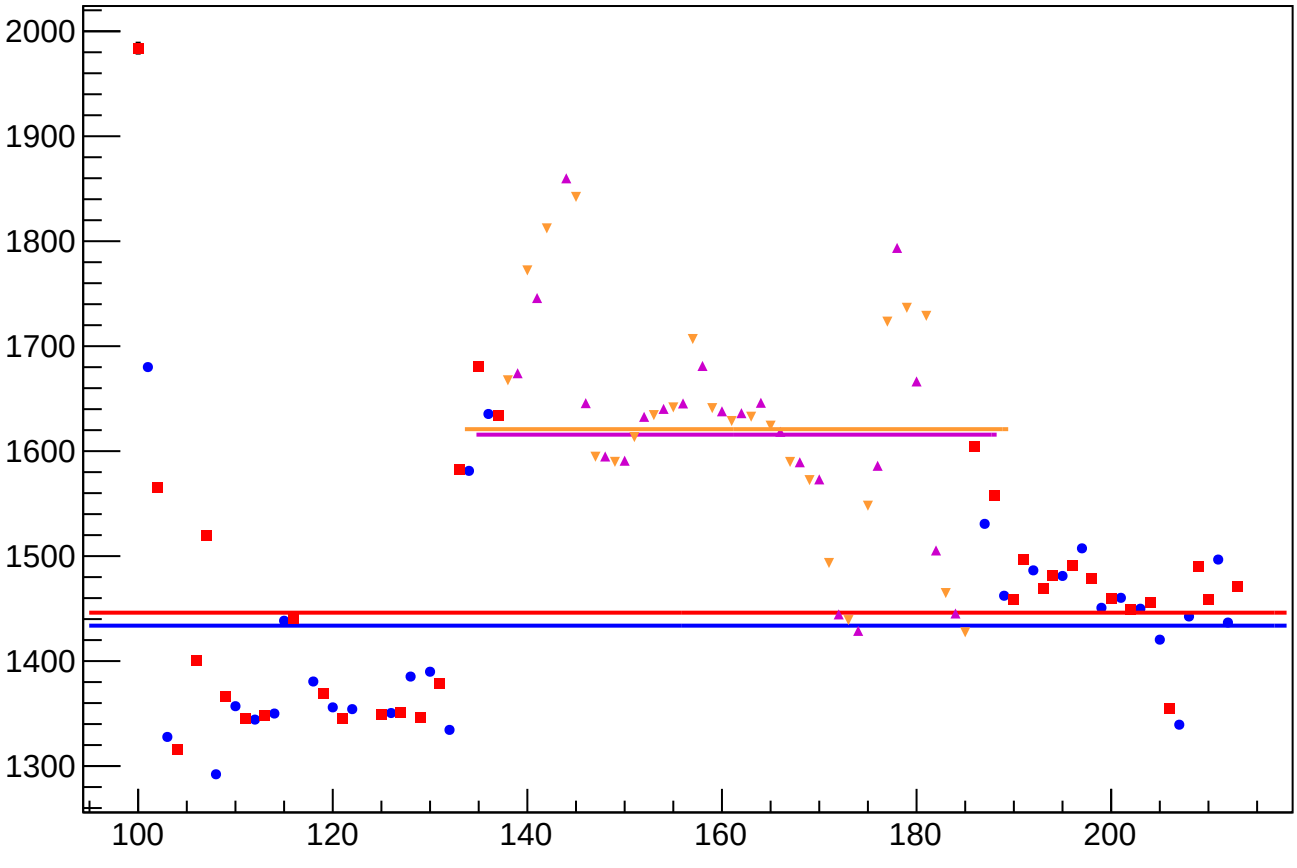
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2273.939+/-240.019 χ^2/NDF: 31.6/61

In: 2269.933+/-254.539 χ^2/NDF:30.1/51

Out: 1688.287+/-250.411 χ^2/NDF:67.7/56

All: 1974.355+/-178.509 χ^2/NDF: 100.4/108



Right In: 1433.750+/-0.243 χ^2/NDF: 125936.3/28

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

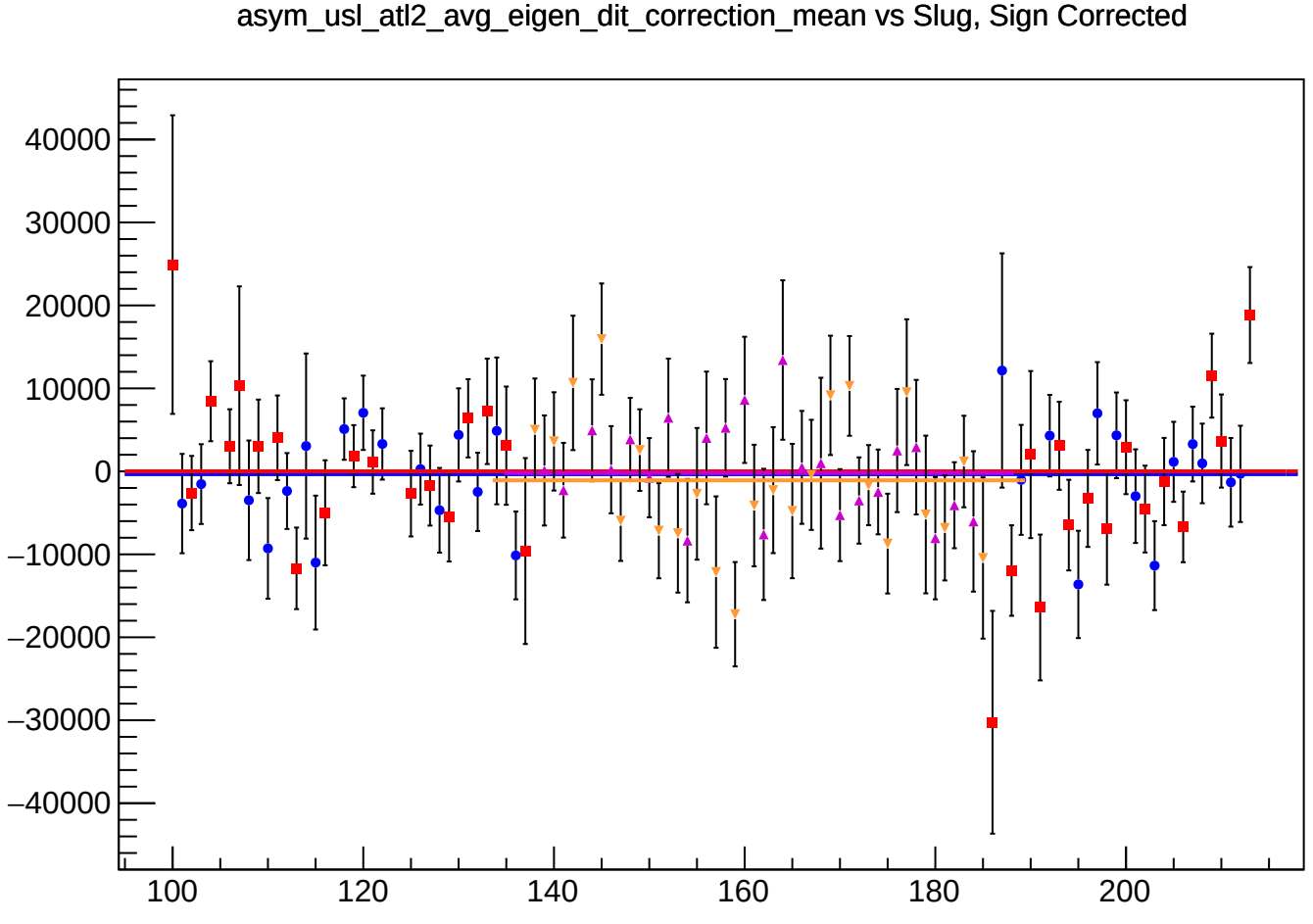
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

Right: 1440.111+/-0.170 χ^2/NDF: 259126.8/61

In: 1516.208+/-0.180 χ^2/NDF:516339.6/51

Out: 1523.085+/-0.177 χ^2/NDF:514376.7/56

All: 1519.704+/-0.126 χ^2/NDF: 1031458.6/10



Right In: -338.062+/-996.340 χ^2/NDF: 29.3/28

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

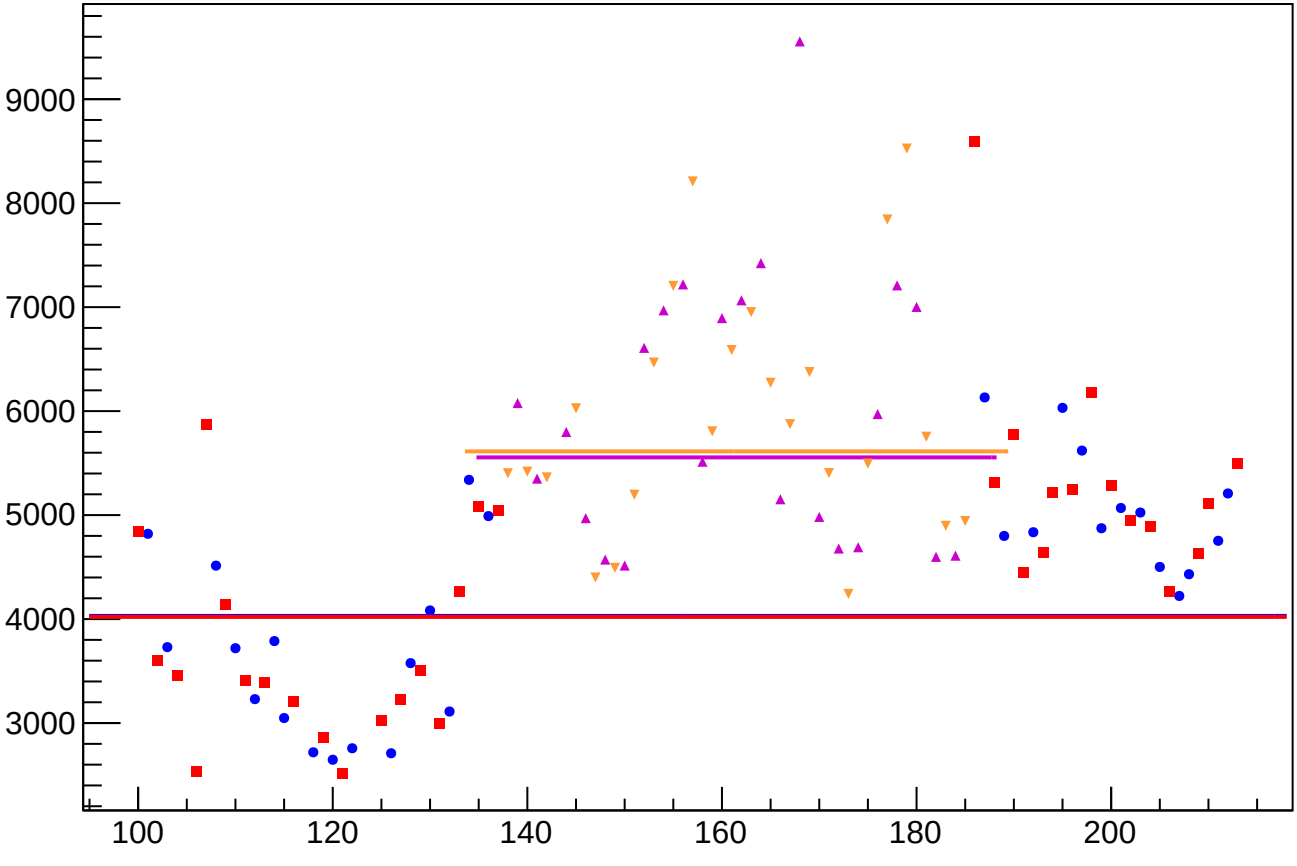
Right: -161.738+/-691.479 χ^2/NDF: 85.2/61

In: -288.851+/-796.579 χ^2/NDF:42.2/51

Out: -368.666+/-779.126 χ^2/NDF:89.2/56

All: -329.642+/-556.993 χ^2/NDF: 131.4/108

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4030.430+/-0.705 χ^2/NDF: 1952692.2/28

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

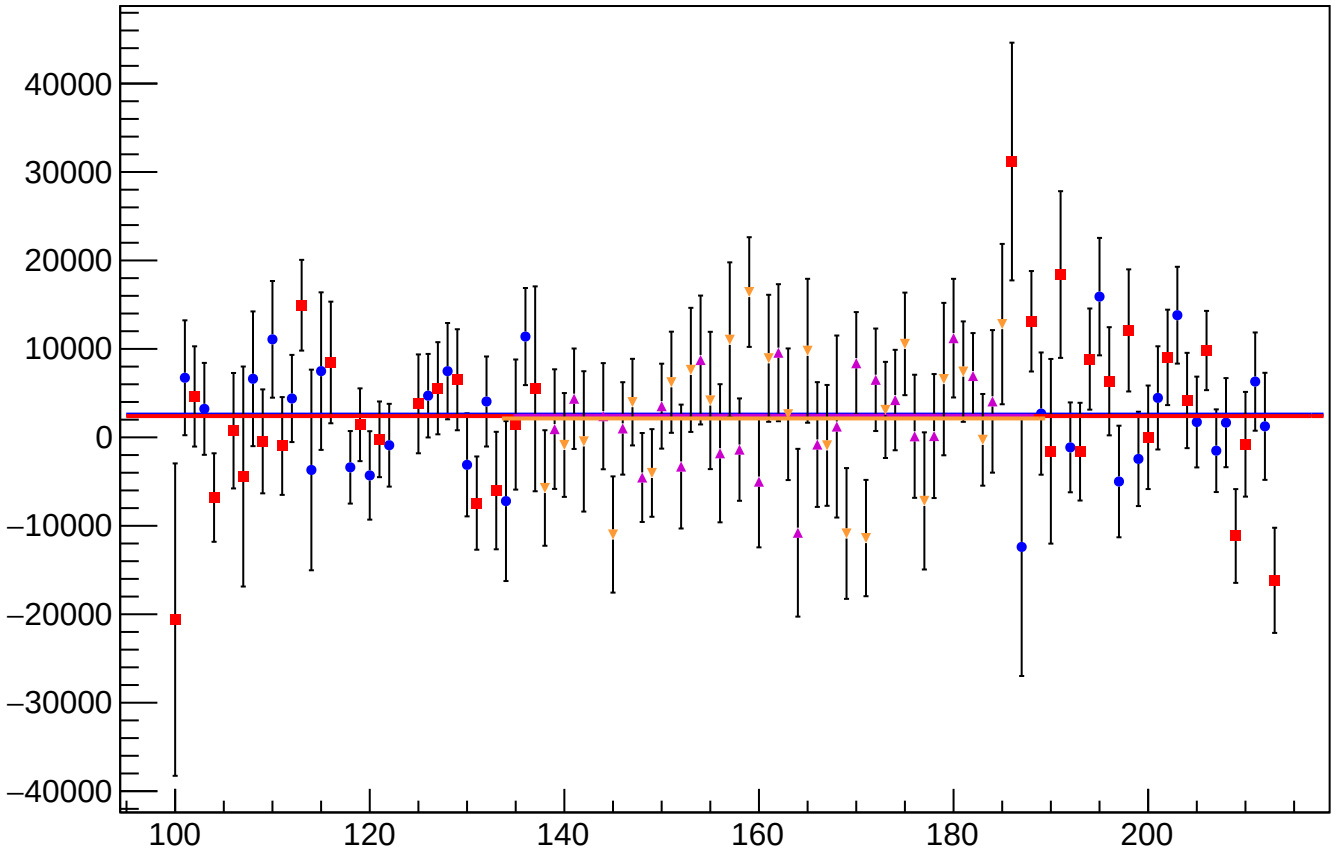
Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

Right: 4025.532+/-0.489 χ^2/NDF: 4456379.8/61

In: 4580.458+/-0.563 χ^2/NDF:4975048.7/51

Out: 4565.258+/-0.551 χ^2/NDF:5570083.4/56

All: 4572.689+/-0.394 χ^2/NDF: 10545504.3/1



Right In: 2572.133+/-1058.335 χ^2/NDF: 27.1/28

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

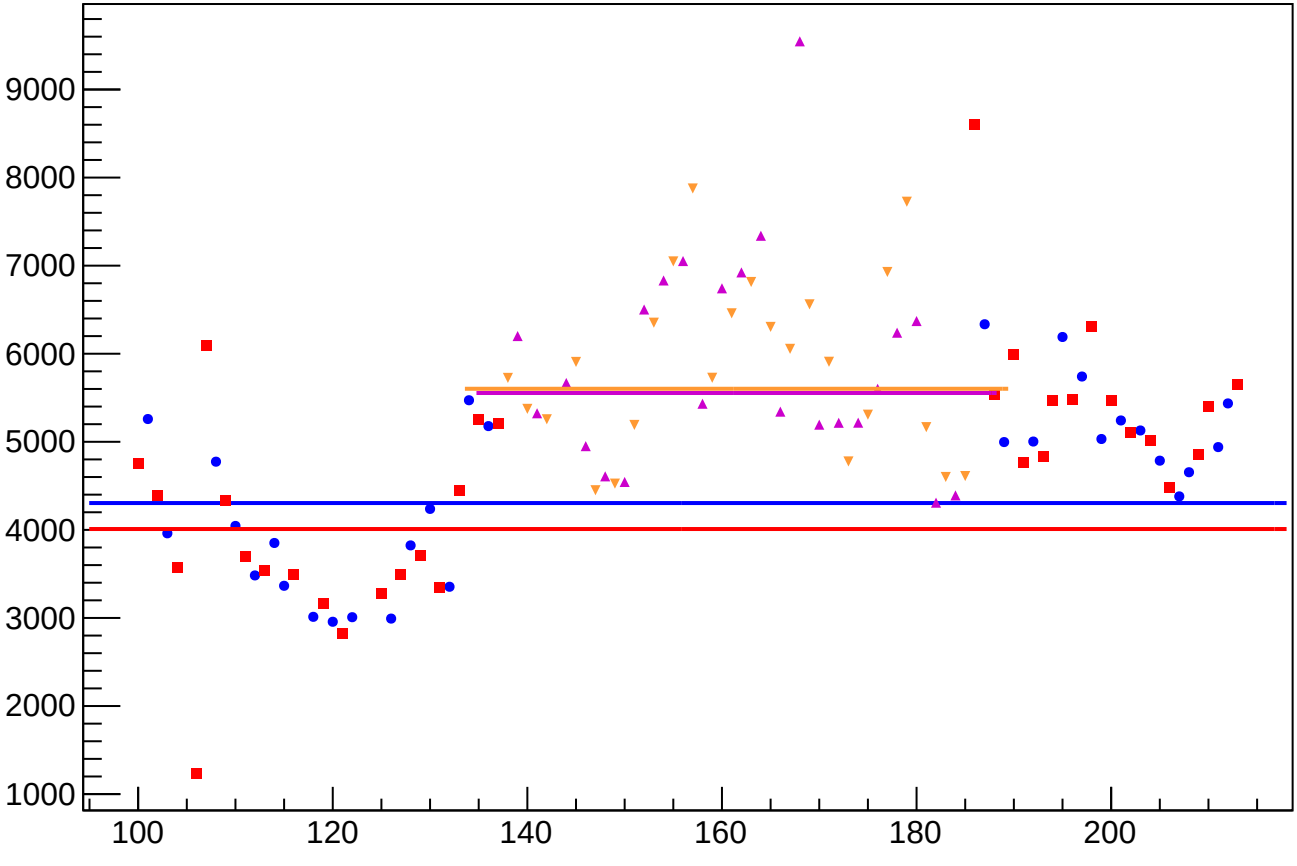
Right: 2486.319+/-740.419 χ^2/NDF: 83.1/61

In: 2515.814+/-825.972 χ^2/NDF:39.9/51

Out: 2303.078+/-816.113 χ^2/NDF:86.7/56

All: 2408.169+/-580.533 χ^2/NDF: 126.7/108

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4304.618+/-0.748 χ^2/NDF: 1584684.3/28

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

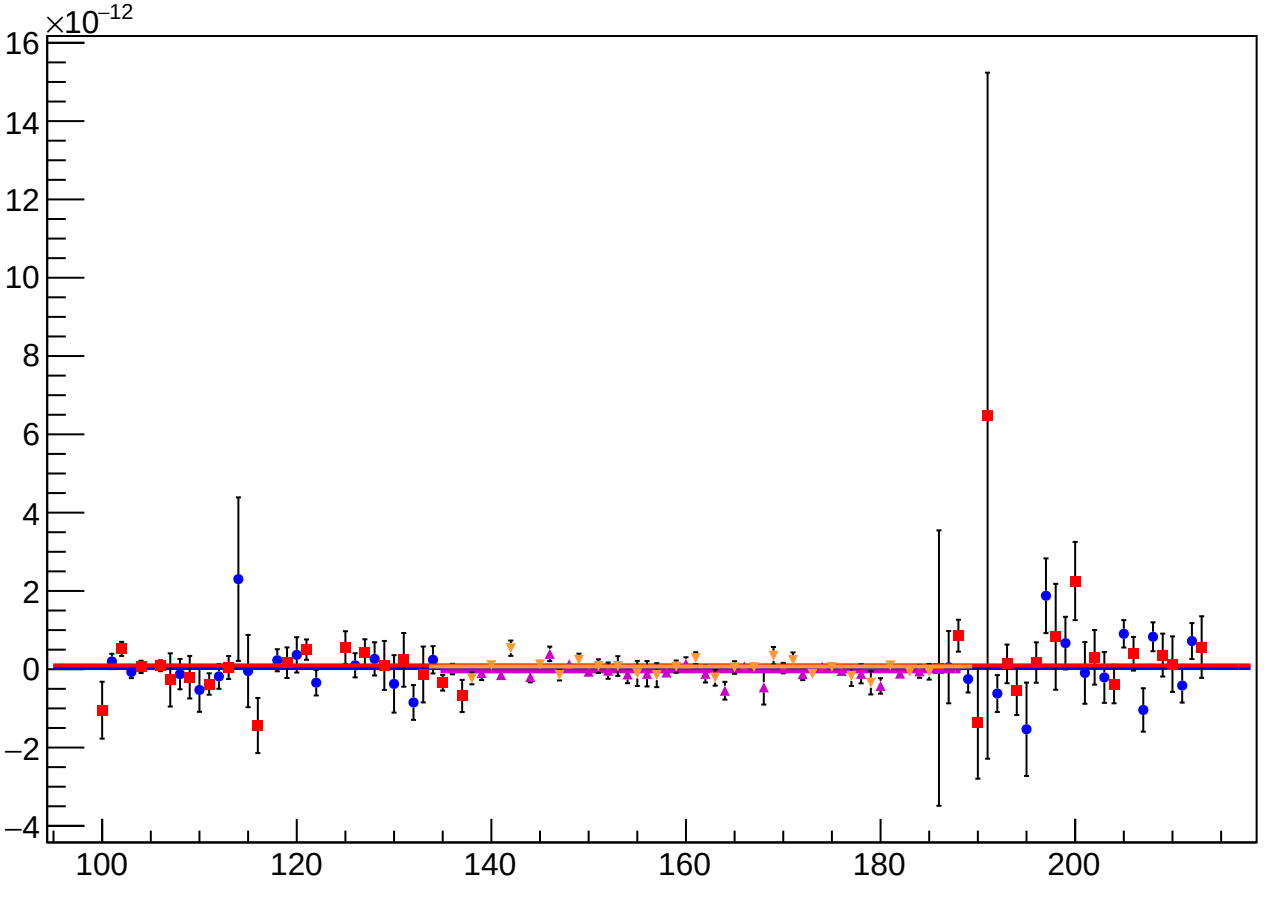
Right: 4146.516+/-0.510 χ^2/NDF: 5706347.6/61

In: 4793.030+/-0.584 χ^2/NDF:3786506.1/51

Out: 4576.520+/-0.559 χ^2/NDF:6841529.0/56

All: 4679.973+/-0.404 χ^2/NDF: 10699793.7/1

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 38.4/28

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

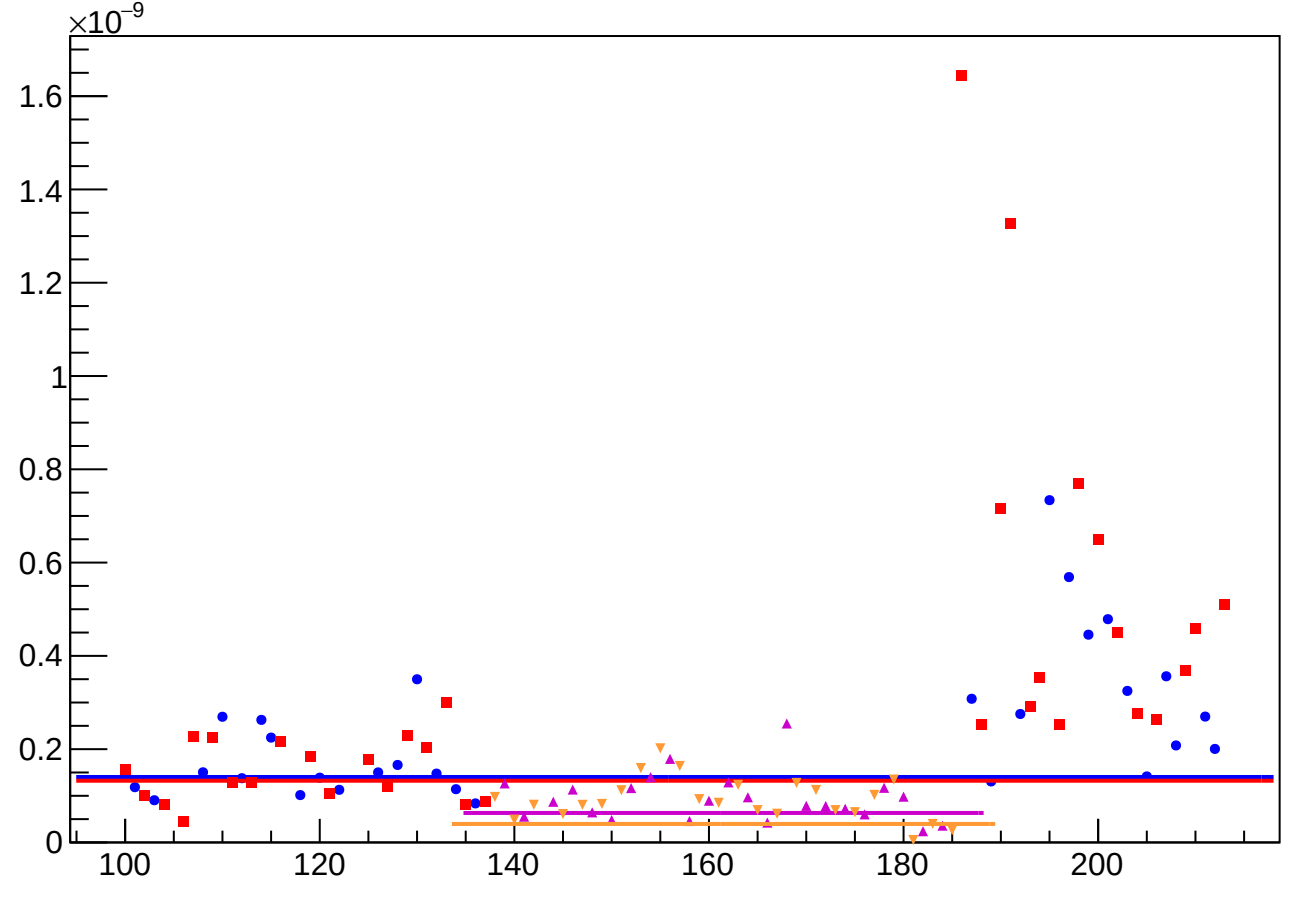
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 81.8/61

In: -0.000+/-0.000 χ^2/NDF:65.3/51

Out: 0.000+/-0.000 χ^2/NDF:71.3/56

All: 0.000+/-0.000 χ^2/NDF: 148.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 3606915.6/28

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6096379.9/32

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

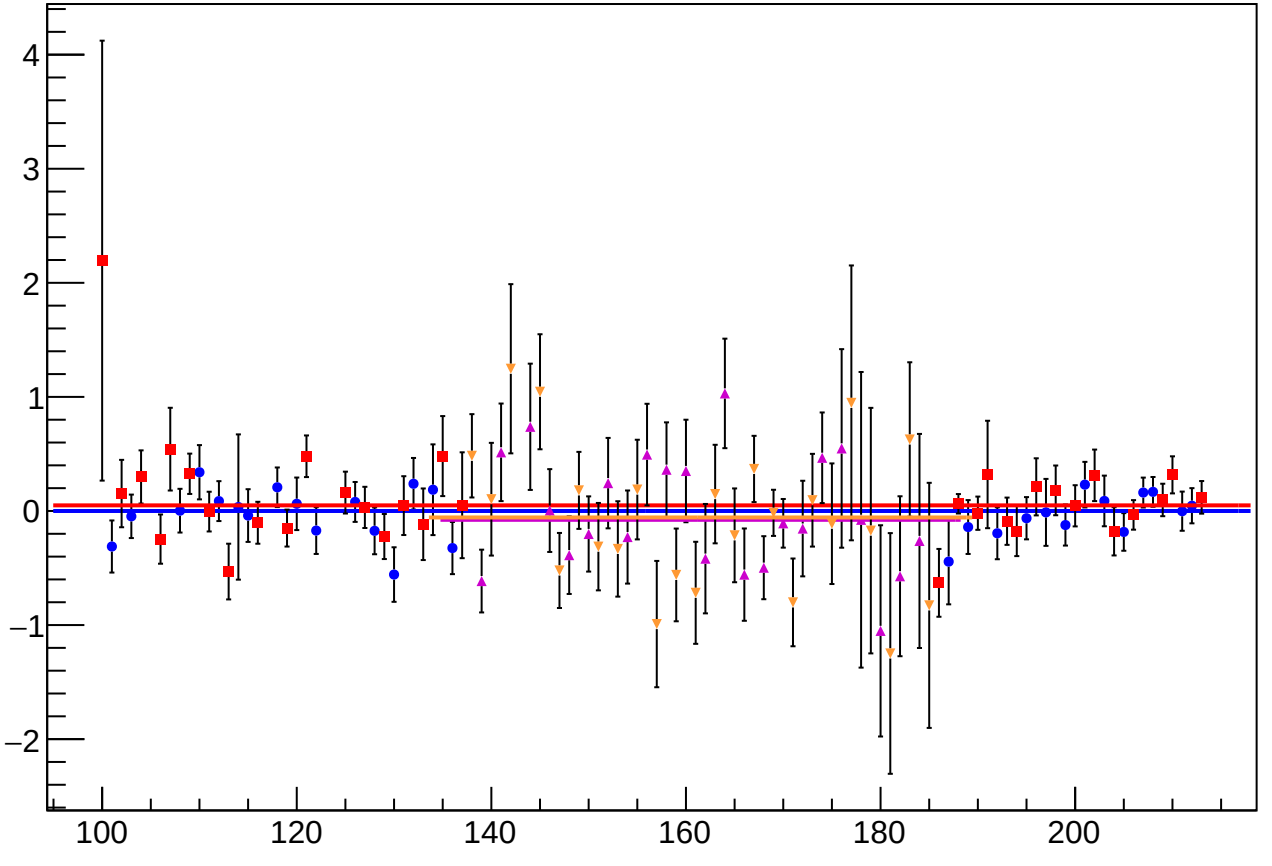
Right: 0.000+/-0.000 χ^2/NDF: 9720019.3/61

In: 0.000+/-0.000 χ^2/NDF:9036796.8/51

Out: 0.000+/-0.000 χ^2/NDF:17136212.0/56

All: 0.000+/-0.000 χ^2/NDF: 27382075.7/108

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.037 χ^2/NDF: 25.2/28

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

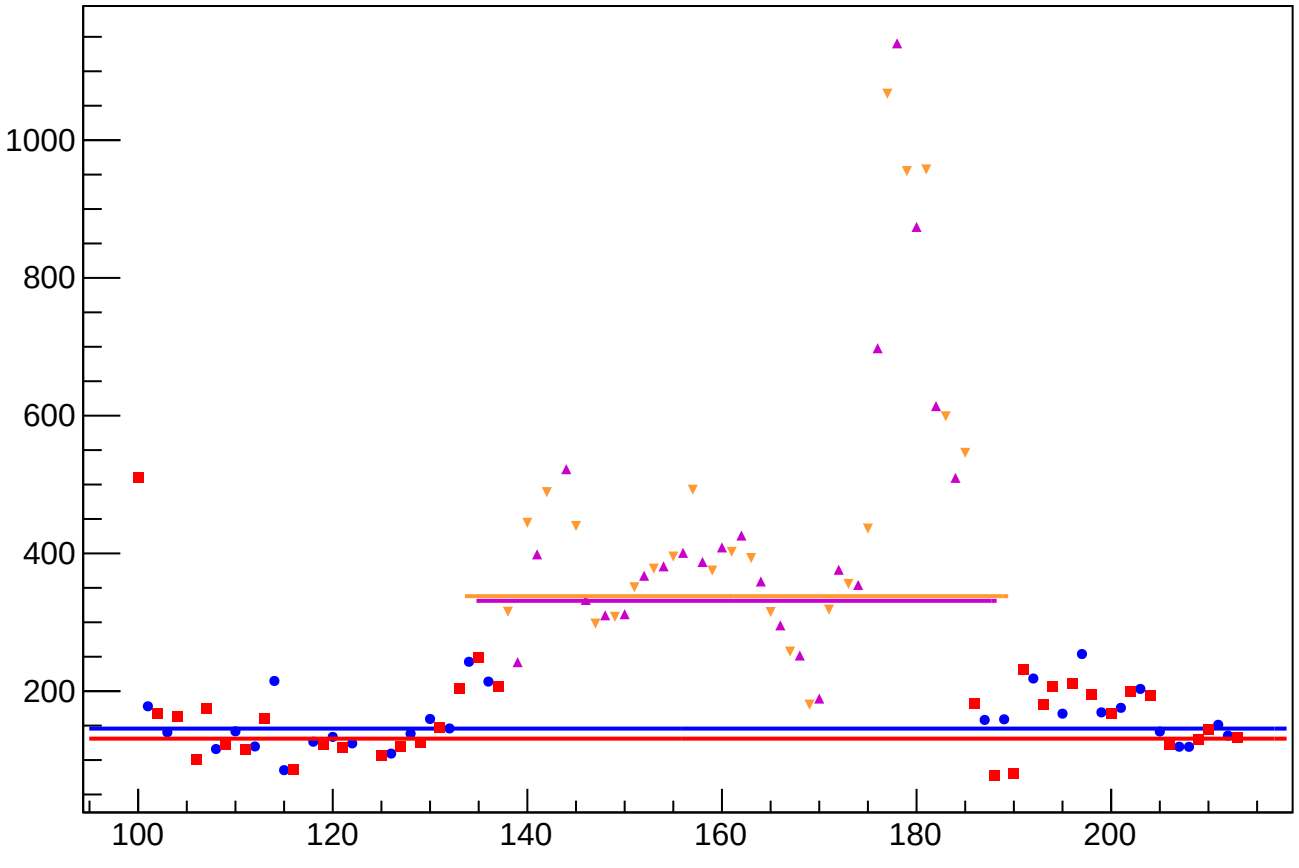
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.027+/-0.025 χ^2/NDF: 66.6/61

In: -0.013+/-0.034 χ^2/NDF:53.0/51

Out: 0.035+/-0.031 χ^2/NDF:72.1/56

All: 0.014+/-0.023 χ^2/NDF: 126.2/108



Right In: 145.667+/-0.026 χ^2/NDF: 1640404.1/28

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

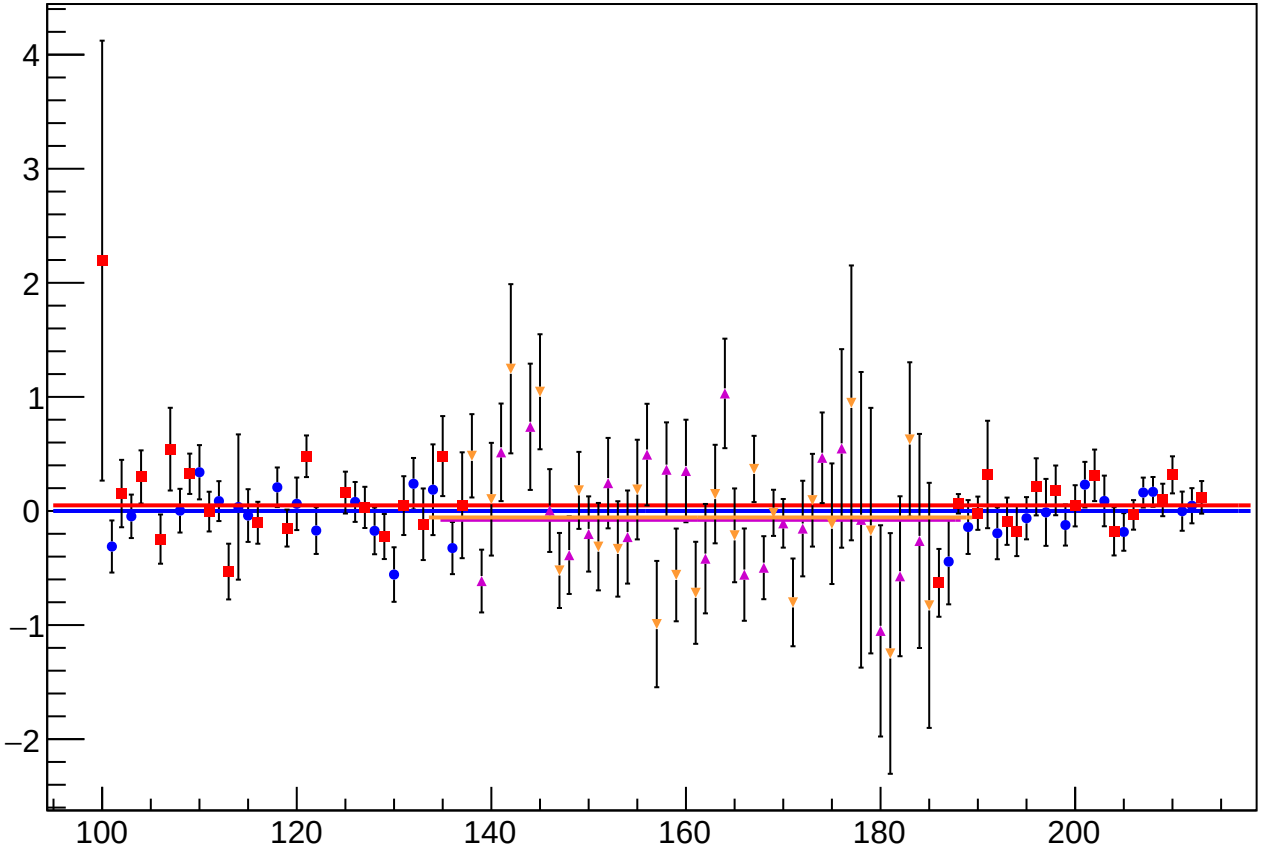
Right: 137.560+/-0.017 χ^2/NDF: 5035003.0/61

In: 176.124+/-0.024 χ^2/NDF:14013507.1/51

Out: 158.039+/-0.022 χ^2/NDF:17929838.7/56

All: 166.261+/-0.016 χ^2/NDF: 32255630.5/10

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.037 χ^2/NDF: 25.2/28

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

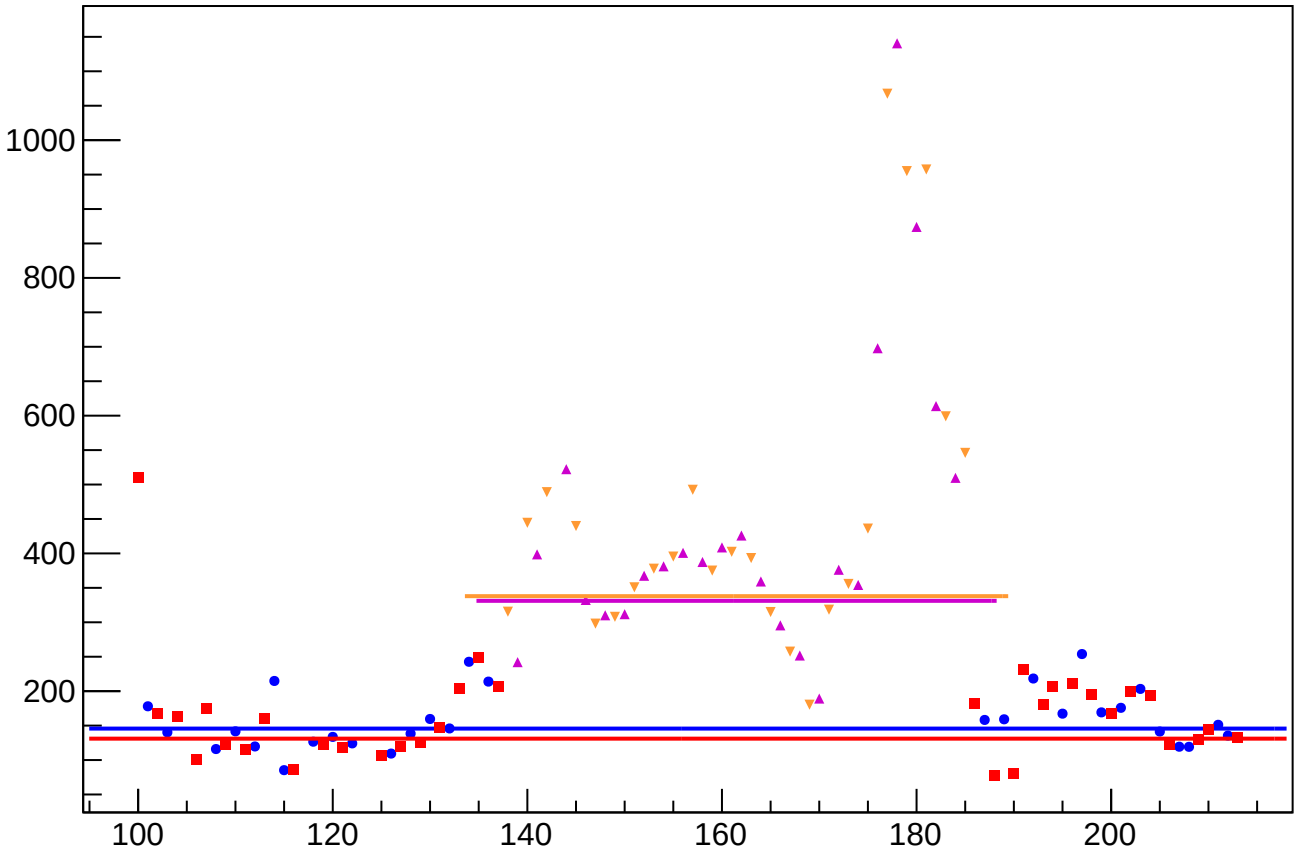
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.027+/-0.025 χ^2/NDF: 66.6/61

In: -0.013+/-0.034 χ^2/NDF:53.0/51

Out: 0.035+/-0.031 χ^2/NDF:72.1/56

All: 0.014+/-0.023 χ^2/NDF: 126.2/108



Right In: 145.667+/-0.026 χ^2/NDF: 1640404.1/28

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

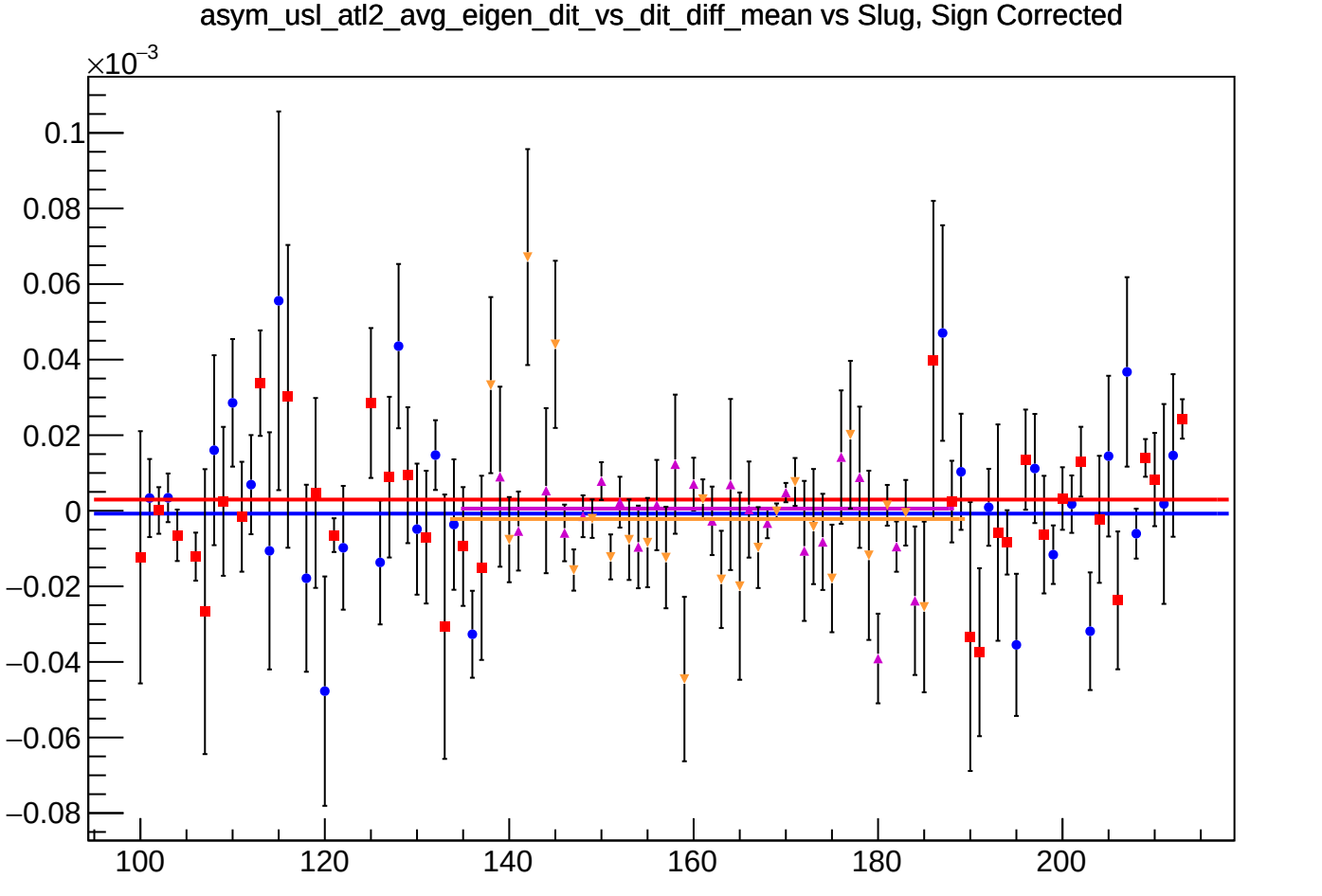
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 137.560+/-0.017 χ^2/NDF: 5035003.0/61

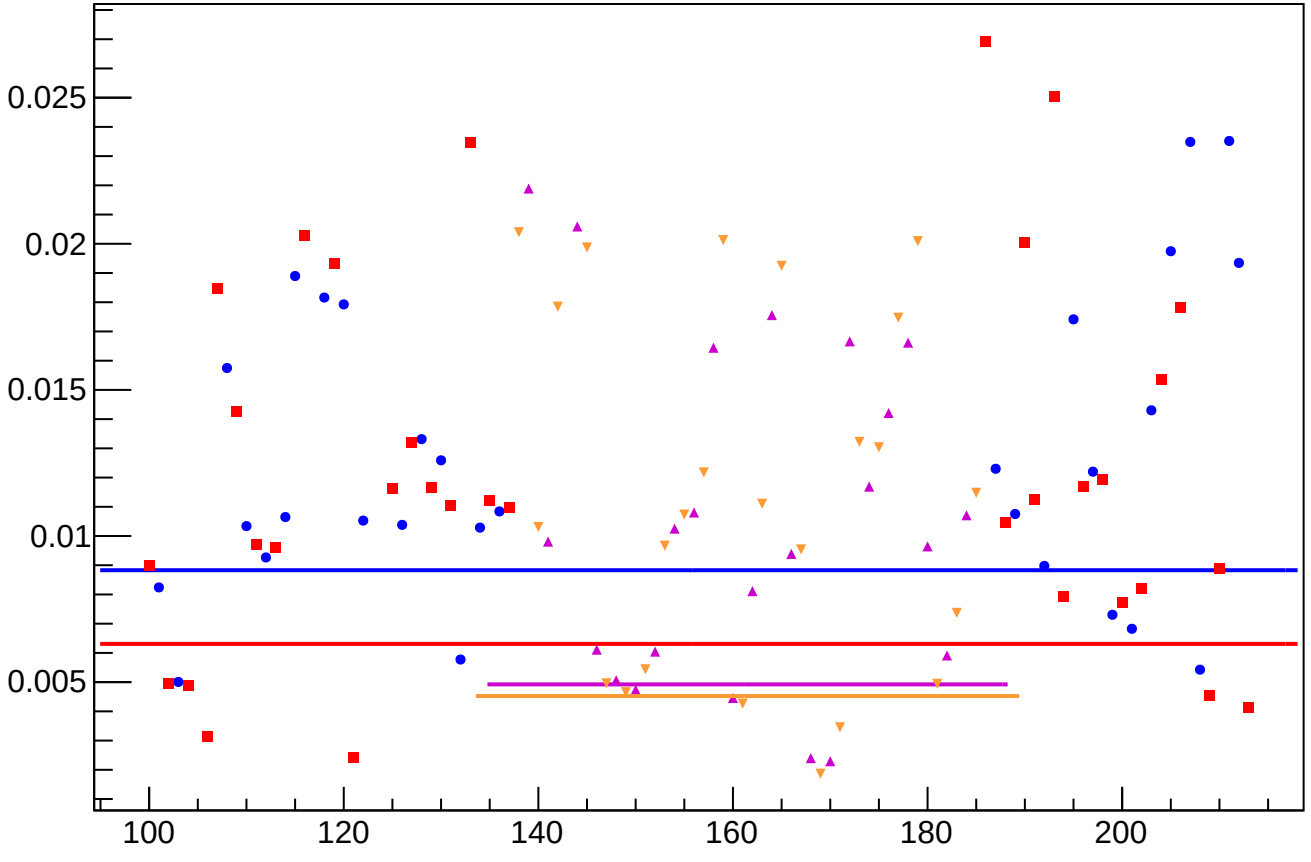
In: 176.124+/-0.024 χ^2/NDF:14013507.1/51

Out: 158.039+/-0.022 χ^2/NDF:17929838.7/56

All: 166.261+/-0.016 χ^2/NDF: 32255630.5/10


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: 41.7/28
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: 99.3/61
In: 0.000+/-0.000 χ²/NDF:68.2/51
Out: -0.000+/-0.000 χ²/NDF:99.0/56
All: -0.000+/-0.000 χ²/NDF: 167.2/108

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 5836030.8/28

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

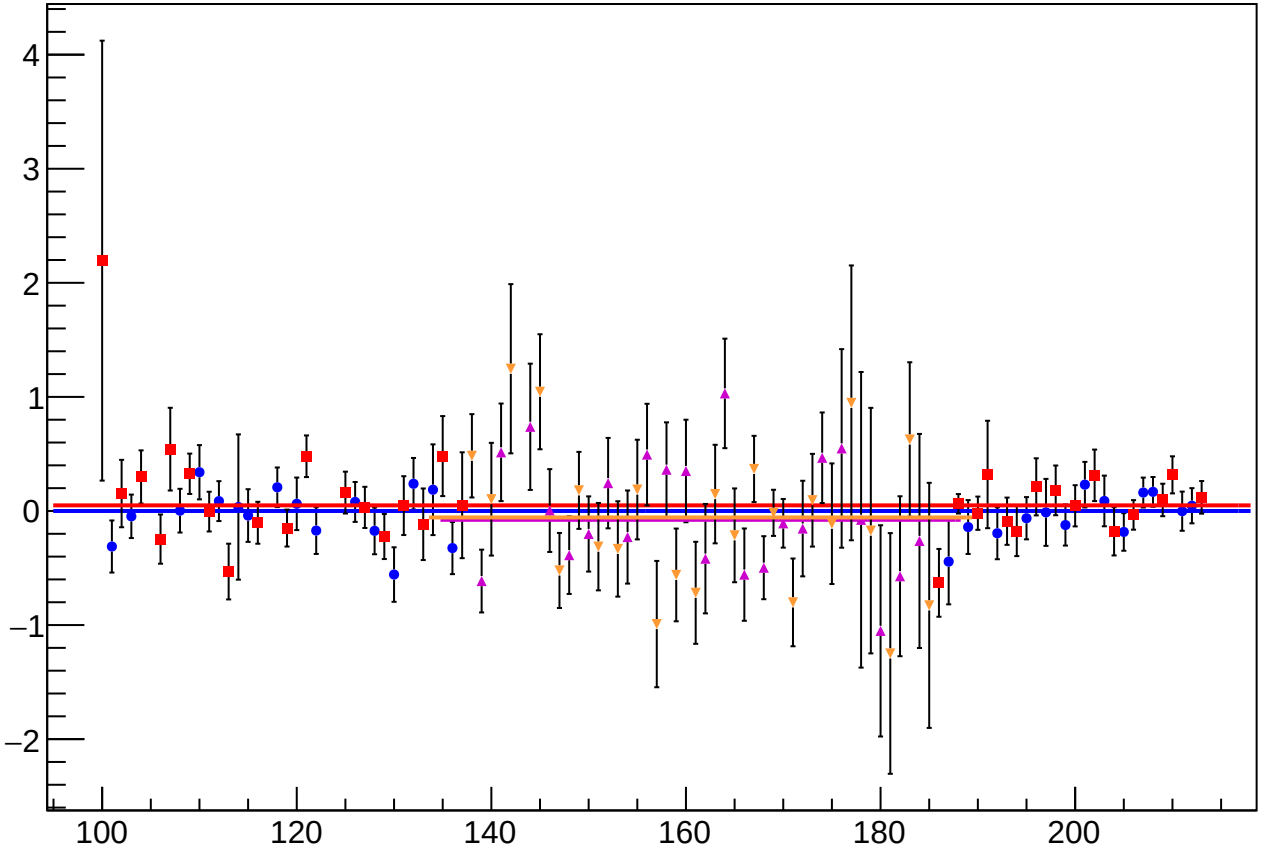
Right: 0.007+/-0.000 χ^2/NDF: 17320431.4/61

In: 0.006+/-0.000 χ^2/NDF:21310661.1/51

Out: 0.005+/-0.000 χ^2/NDF:25529275.2/56

All: 0.006+/-0.000 χ^2/NDF: 47318269.2/108

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.037 χ^2/NDF: 25.2/28

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

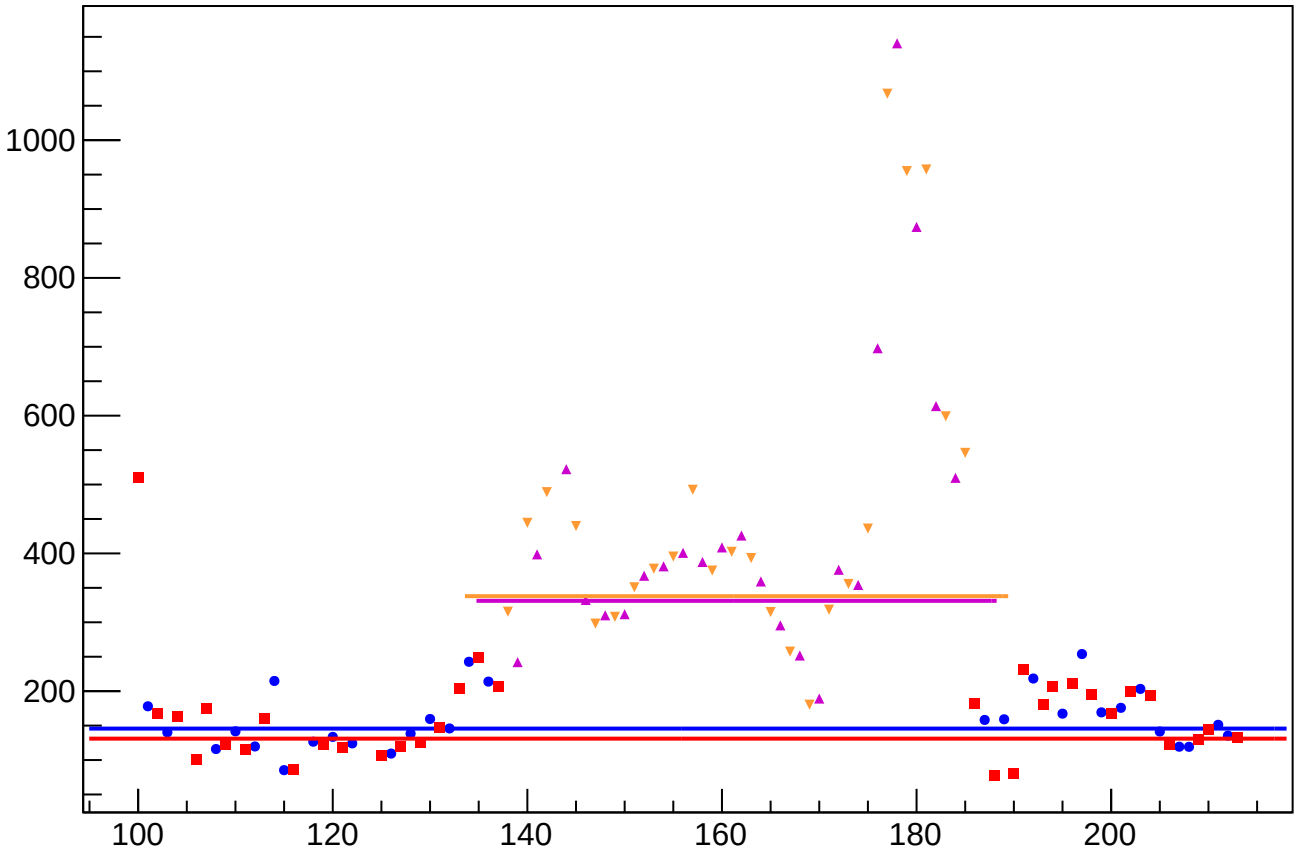
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.027+/-0.025 χ^2/NDF: 66.6/61

In: -0.013+/-0.034 χ^2/NDF:53.0/51

Out: 0.035+/-0.031 χ^2/NDF:72.1/56

All: 0.014+/-0.023 χ^2/NDF: 126.2/108



Right In: 145.667+/-0.026 χ^2/NDF: 1640399.5/28

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

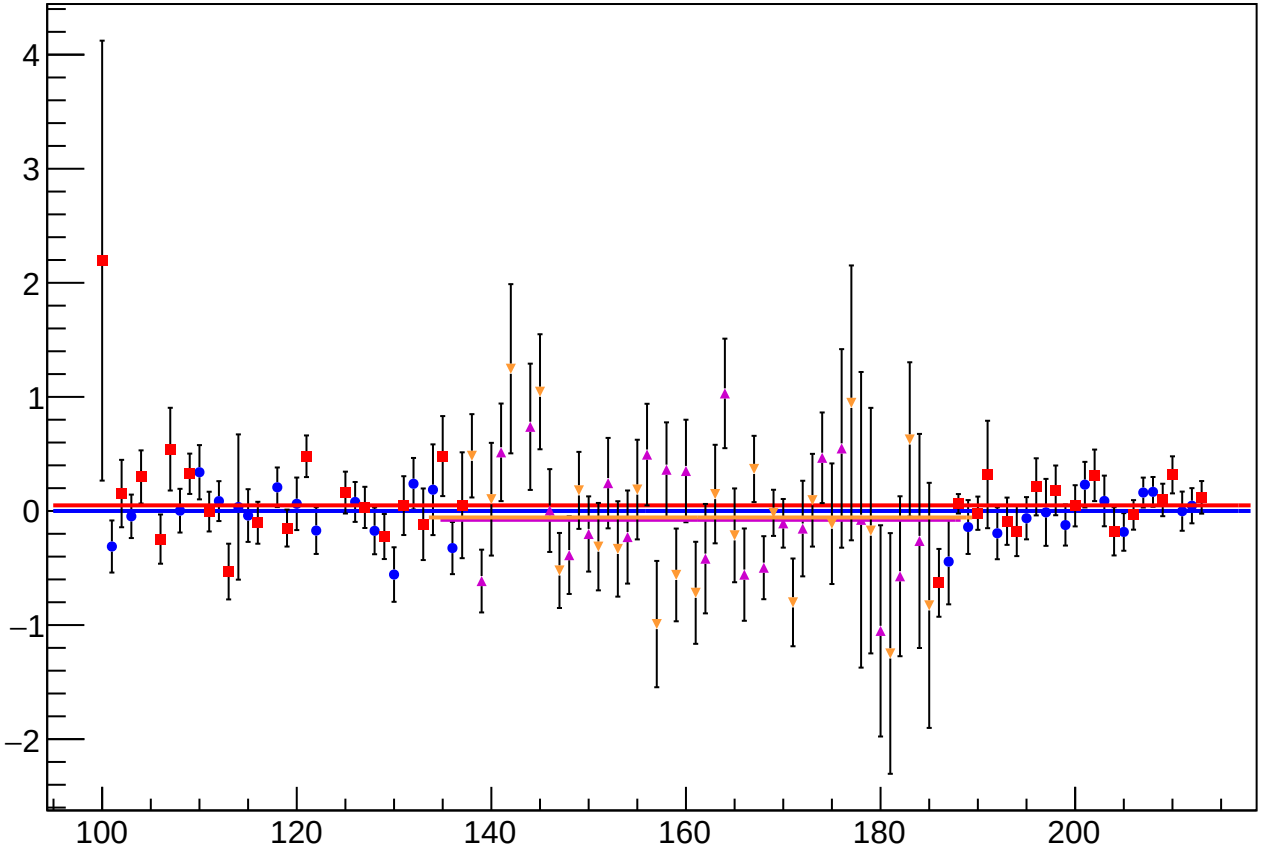
Right: 137.560+/-0.017 χ^2/NDF: 5035203.6/61

In: 176.125+/-0.024 χ^2/NDF:14013614.4/51

Out: 158.037+/-0.022 χ^2/NDF:17930315.2/56

All: 166.260+/-0.016 χ^2/NDF: 32256285.1/10

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.037 χ^2/NDF: 25.2/28

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

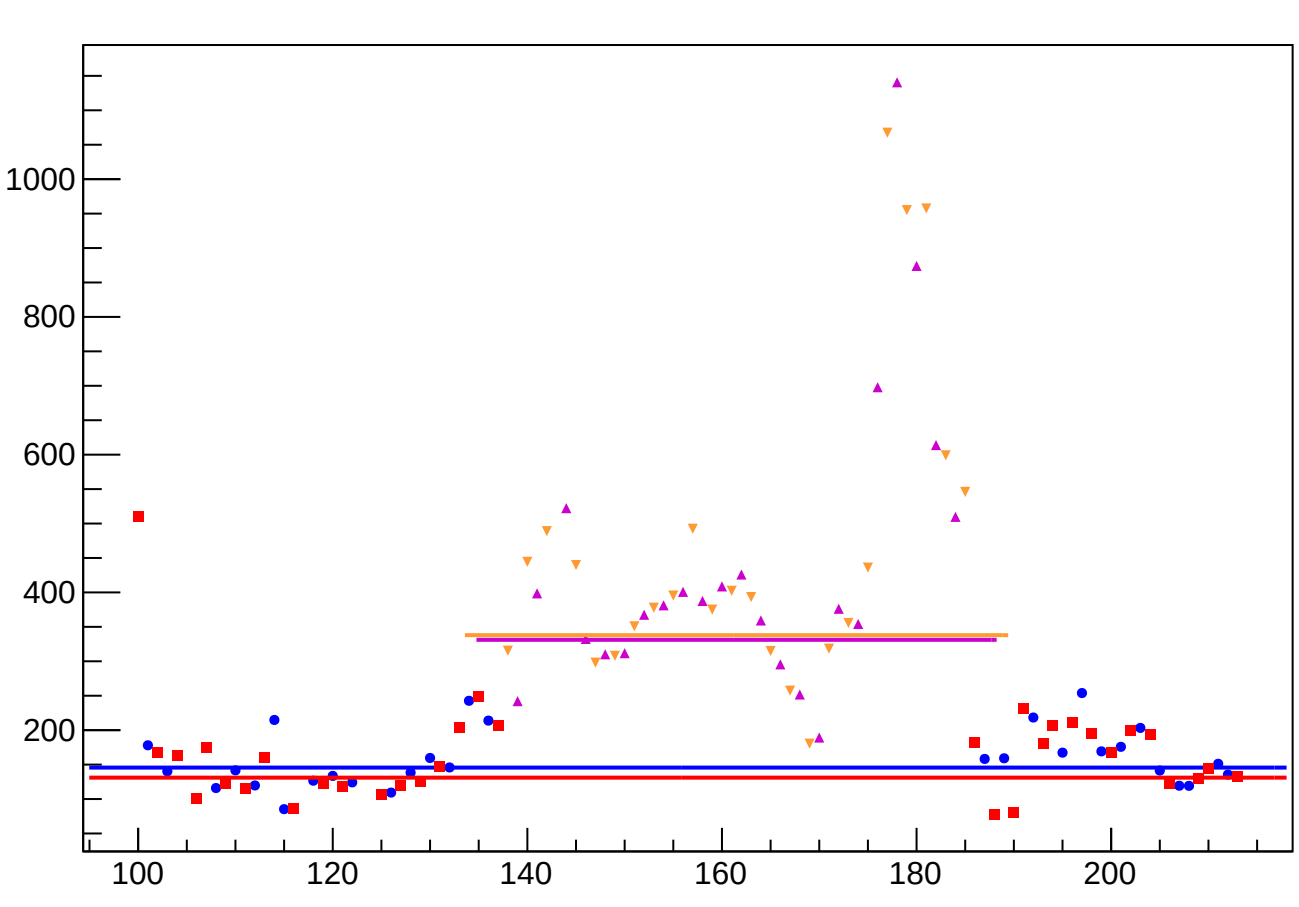
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.027+/-0.025 χ^2/NDF: 66.6/61

In: -0.013+/-0.034 χ^2/NDF:53.0/51

Out: 0.035+/-0.031 χ^2/NDF:72.1/56

All: 0.014+/-0.023 χ^2/NDF: 126.2/108



Right In: 145.667+/-0.026 χ^2/NDF: 1640399.5/28

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

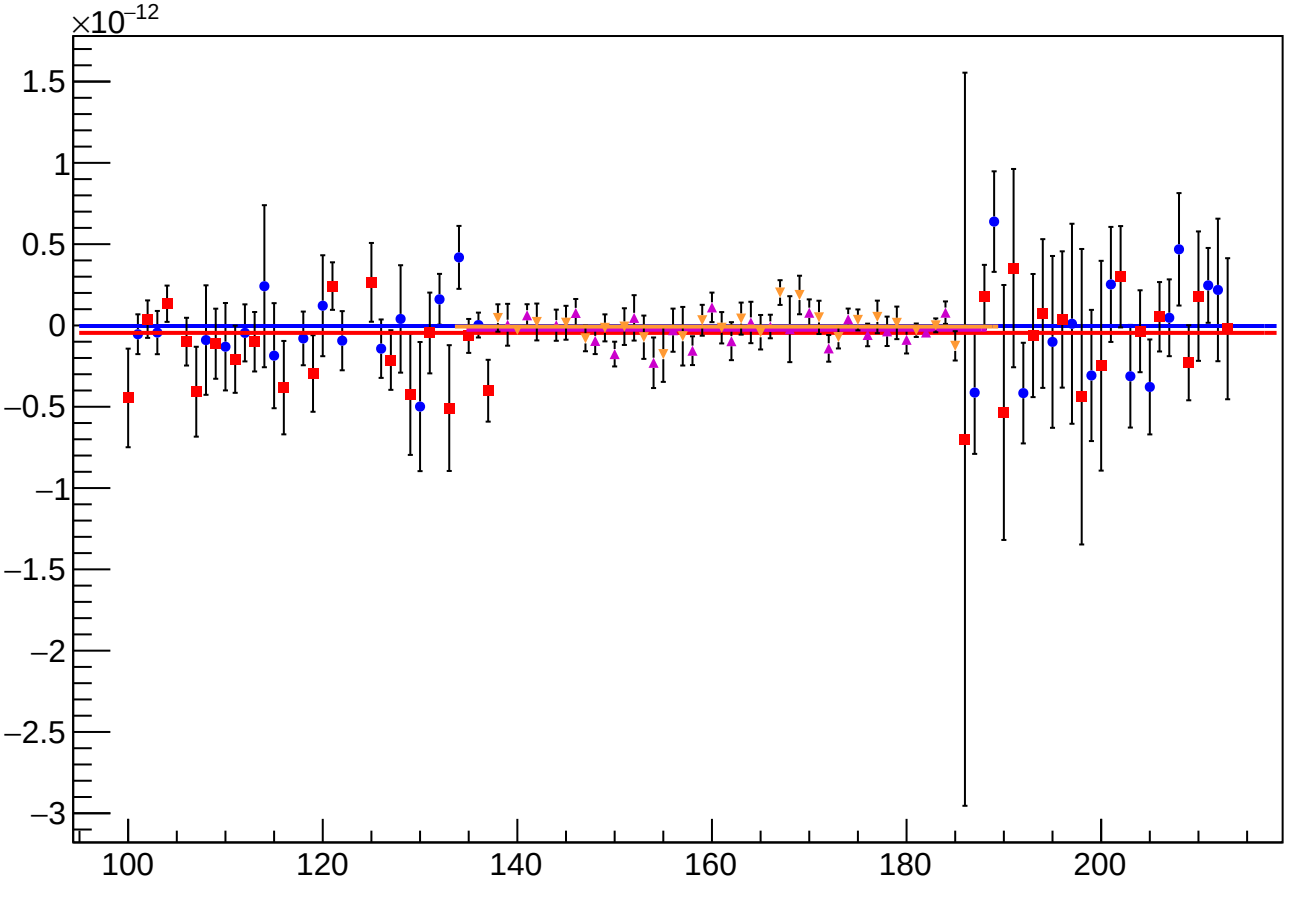
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 137.560+/-0.017 χ^2/NDF: 5035203.6/61

In: 176.125+/-0.024 χ^2/NDF:14013614.4/51

Out: 158.037+/-0.022 χ^2/NDF:17930315.2/56

All: 166.260+/-0.016 χ^2/NDF: 32256285.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/28

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

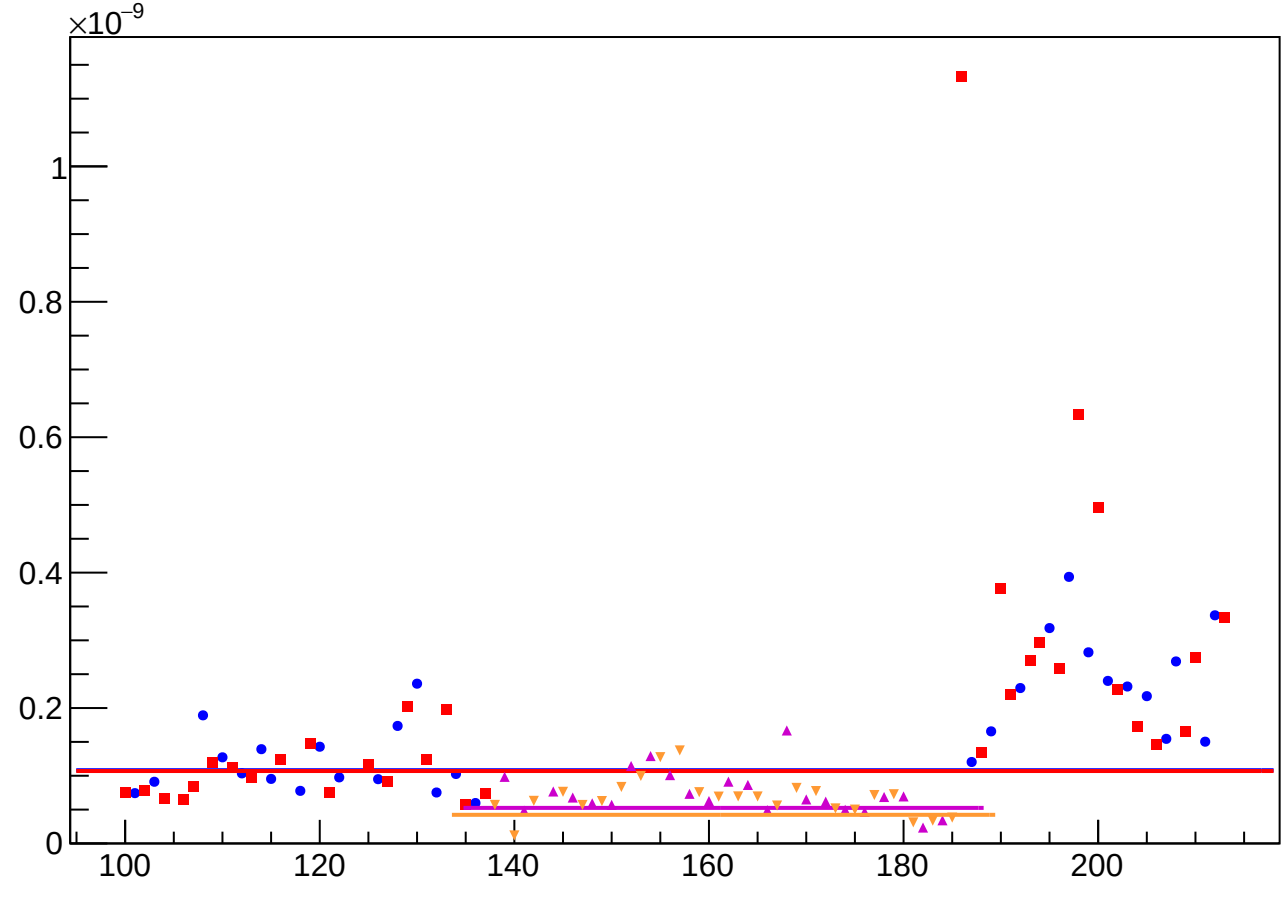
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 52.1/61

In: -0.000+/-0.000 χ^2/NDF:47.3/51

Out: -0.000+/-0.000 χ^2/NDF:46.4/56

All: -0.000+/-0.000 χ^2/NDF: 93.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 5097329.1/28

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

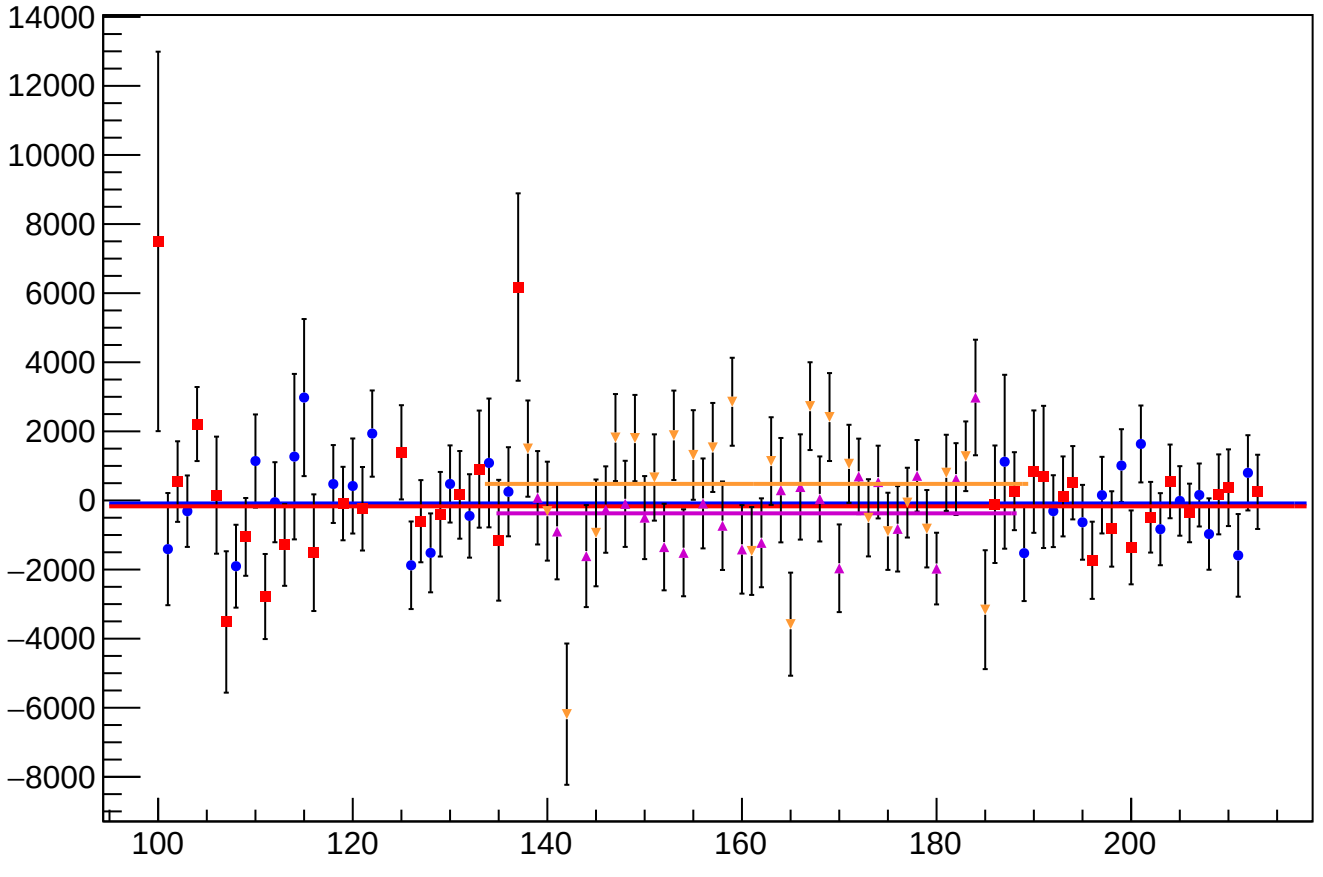
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 11293592.8/61

In: 0.000+/-0.000 χ^2/NDF:13553735.5/51

Out: 0.000+/-0.000 χ^2/NDF:18022384.0/56

All: 0.000+/-0.000 χ^2/NDF: 32113561.4/108



Right In: -86.902+/-223.817 χ^2/NDF: 22.0/28

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

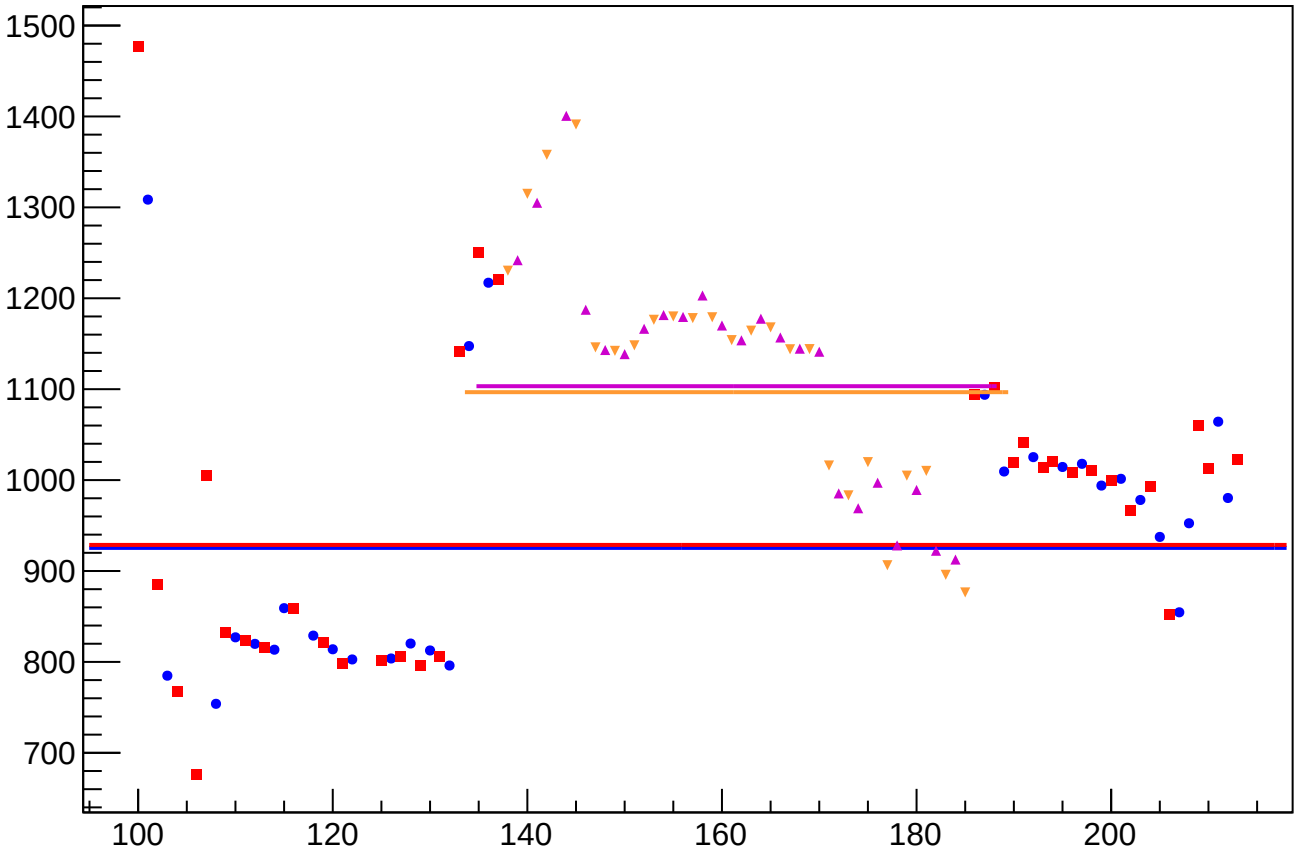
Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

Right: -129.692+/-155.975 χ^2/NDF: 52.2/61

In: -209.012+/-169.434 χ^2/NDF:38.8/51

Out: 101.824+/-165.836 χ^2/NDF:79.0/56

All: -50.259+/-118.515 χ^2/NDF: 119.5/108



Right In: 925.434+/-0.158 χ^2/NDF: 609992.5/28

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

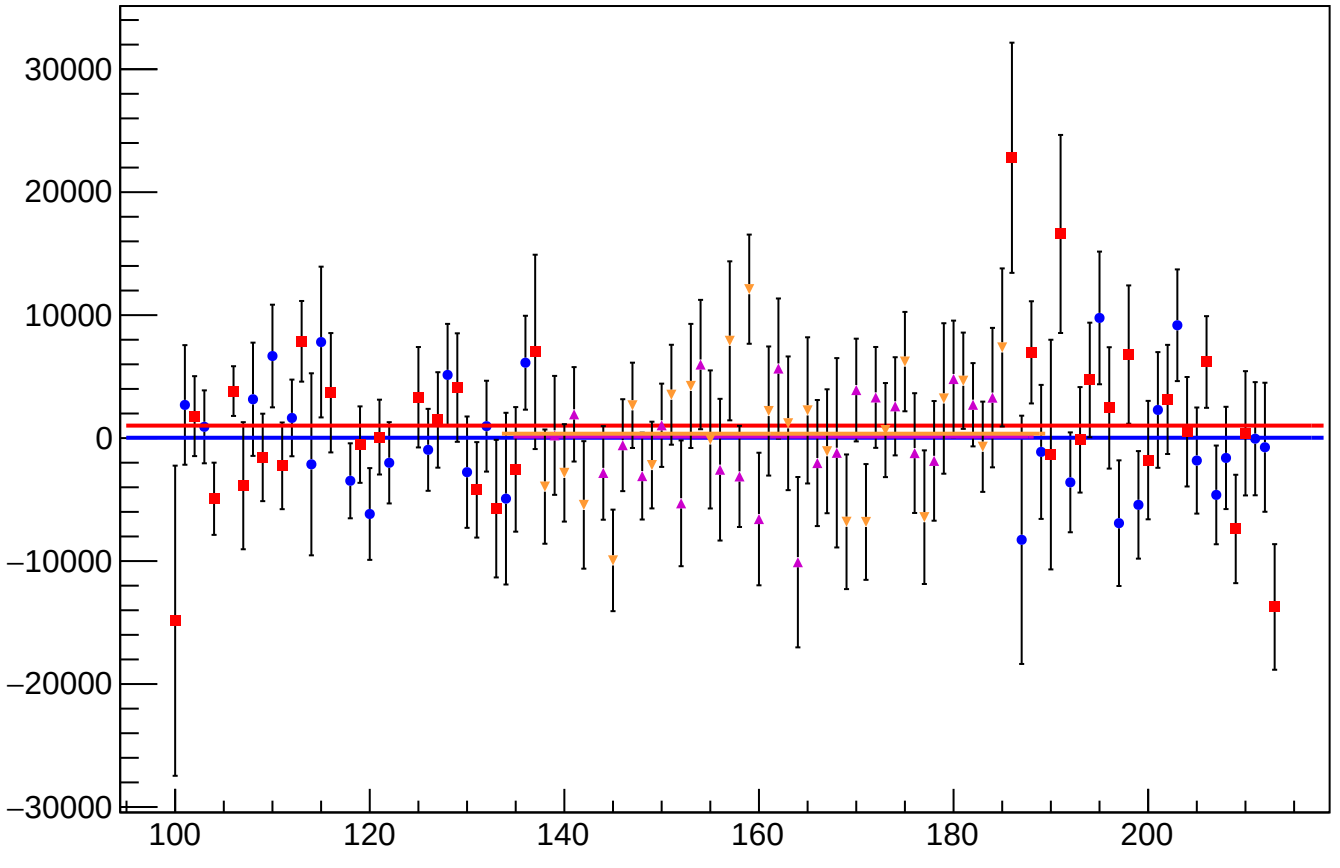
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 927.122+/-0.110 χ^2/NDF: 1266813.3/61

In: 1001.361+/-0.120 χ^2/NDF:1596649.2/51

Out: 998.554+/-0.117 χ^2/NDF:1639092.4/56

All: 999.923+/-0.084 χ^2/NDF: 3236022.7/108



Right In: 28.464+/-786.062 χ^2/NDF: 29.1/28

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

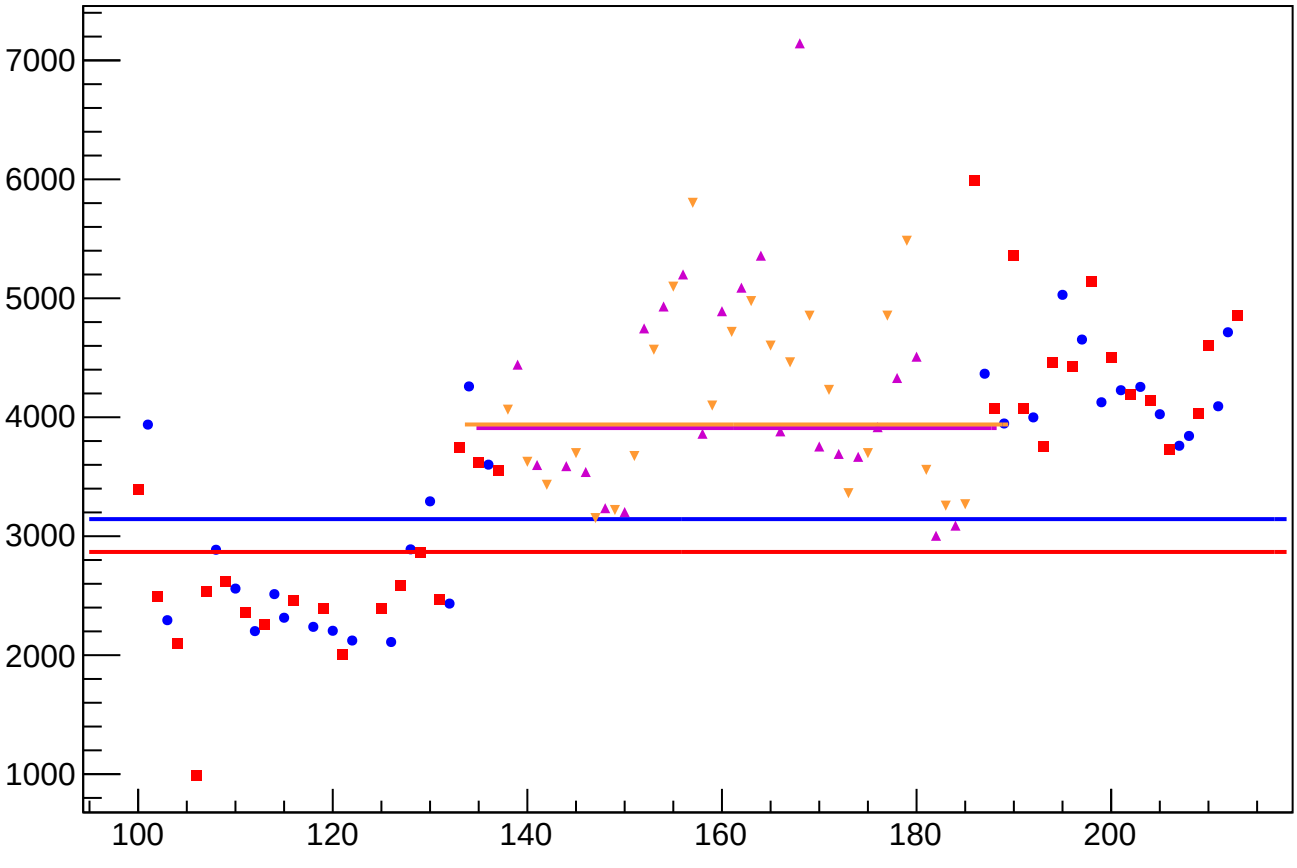
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 568.499+/-529.289 χ^2/NDF: 77.7/61

In: 69.263+/-601.053 χ^2/NDF:42.9/51

Out: 772.732+/-568.242 χ^2/NDF:78.3/56

All: 440.721+/-412.920 χ^2/NDF: 121.9/108



Right In: 3143.721+/-0.556 χ^2/NDF: 2704522.5/28

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

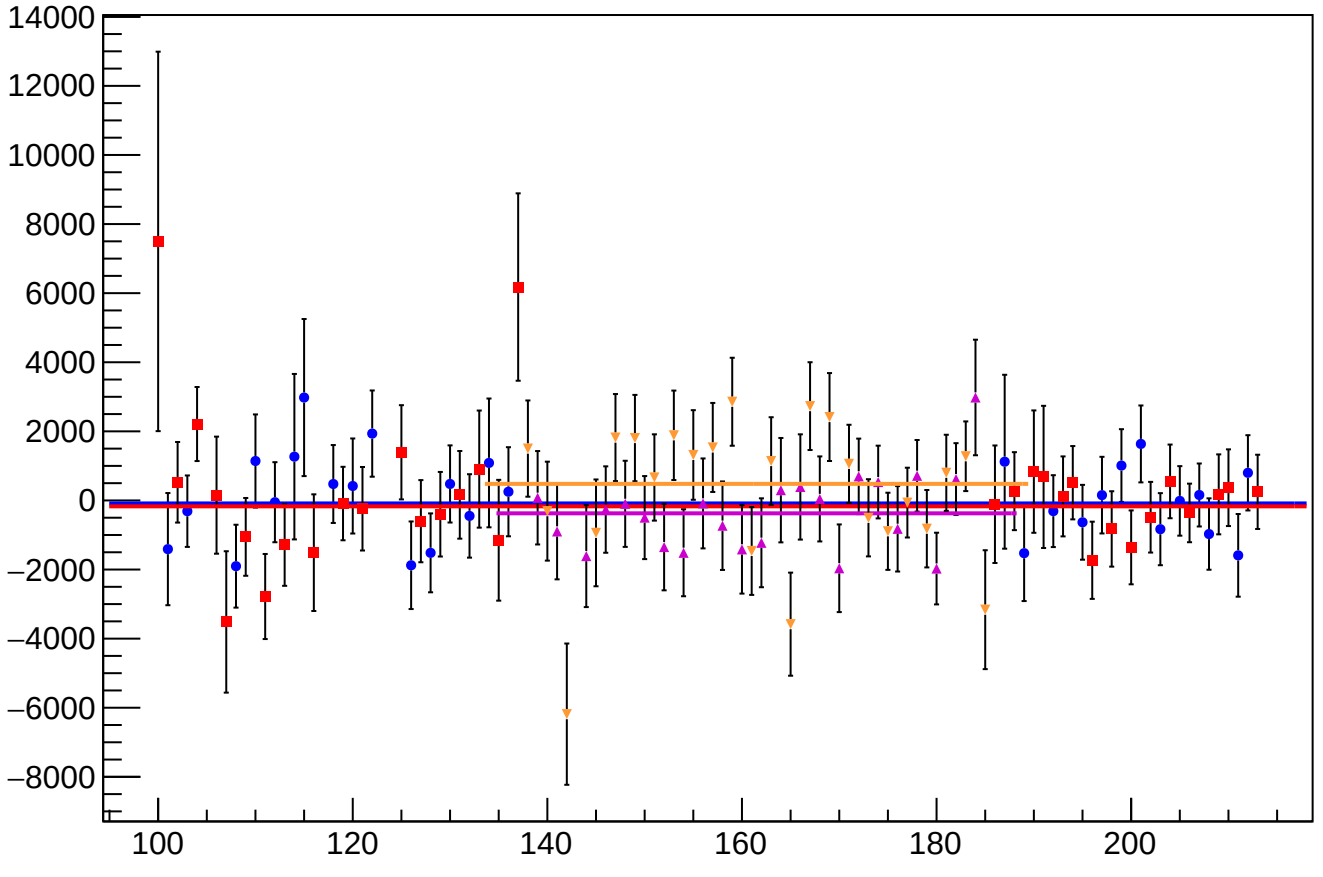
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2992.828+/-0.374 χ^2/NDF: 8031753.4/61

In: 3461.619+/-0.425 χ^2/NDF:4792884.6/51

Out: 3264.128+/-0.402 χ^2/NDF:7942942.2/56

All: 3357.336+/-0.292 χ^2/NDF: 12849842.8/1



Right In: -86.910+/-223.817 χ^2/NDF: 22.0/28

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

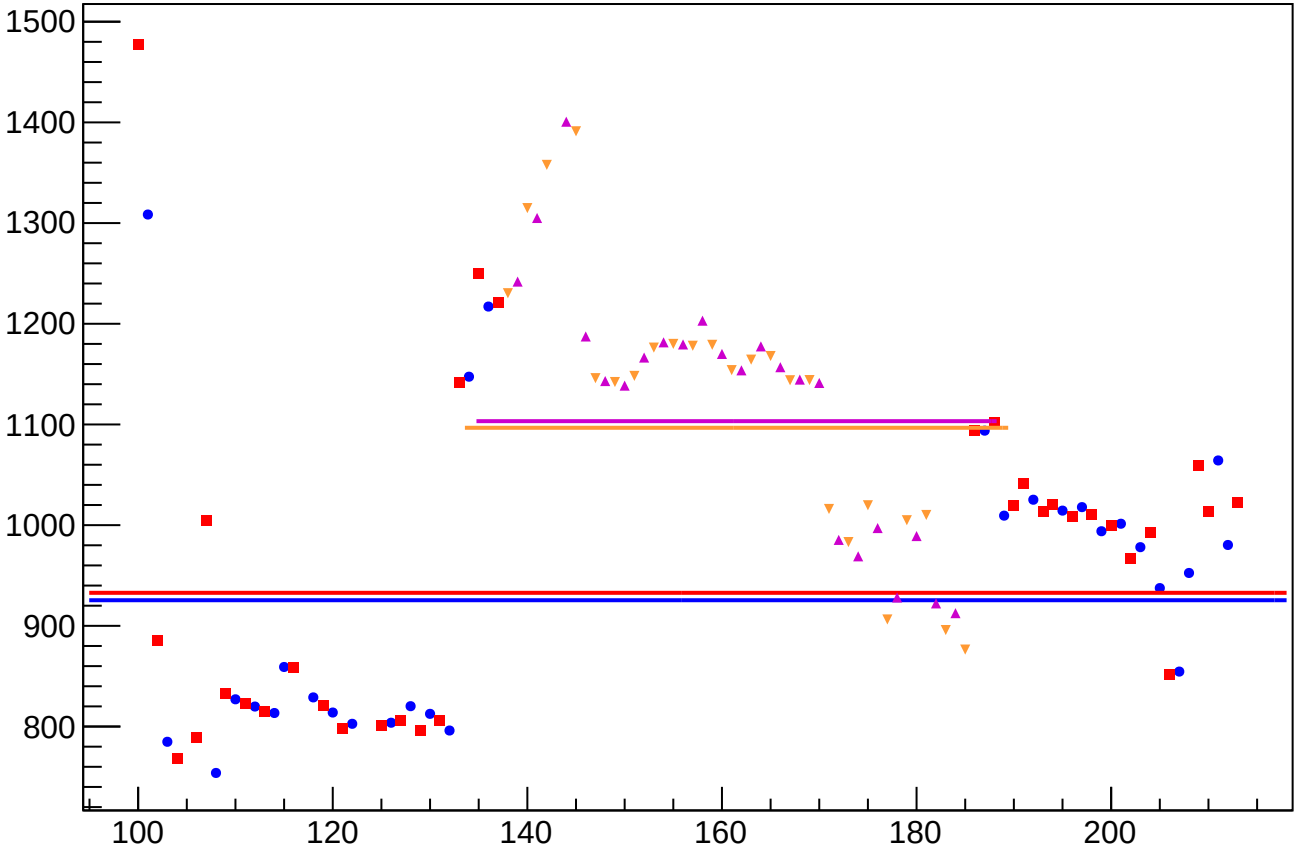
Right: -130.087+/-155.976 χ^2/NDF: 52.2/61

In: -209.005+/-169.434 χ^2/NDF:38.8/51

Out: 101.394+/-165.836 χ^2/NDF:79.0/56

All: -50.475+/-118.515 χ^2/NDF: 119.5/108

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 925.434+/-0.158 χ^2/NDF: 609992.3/28

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

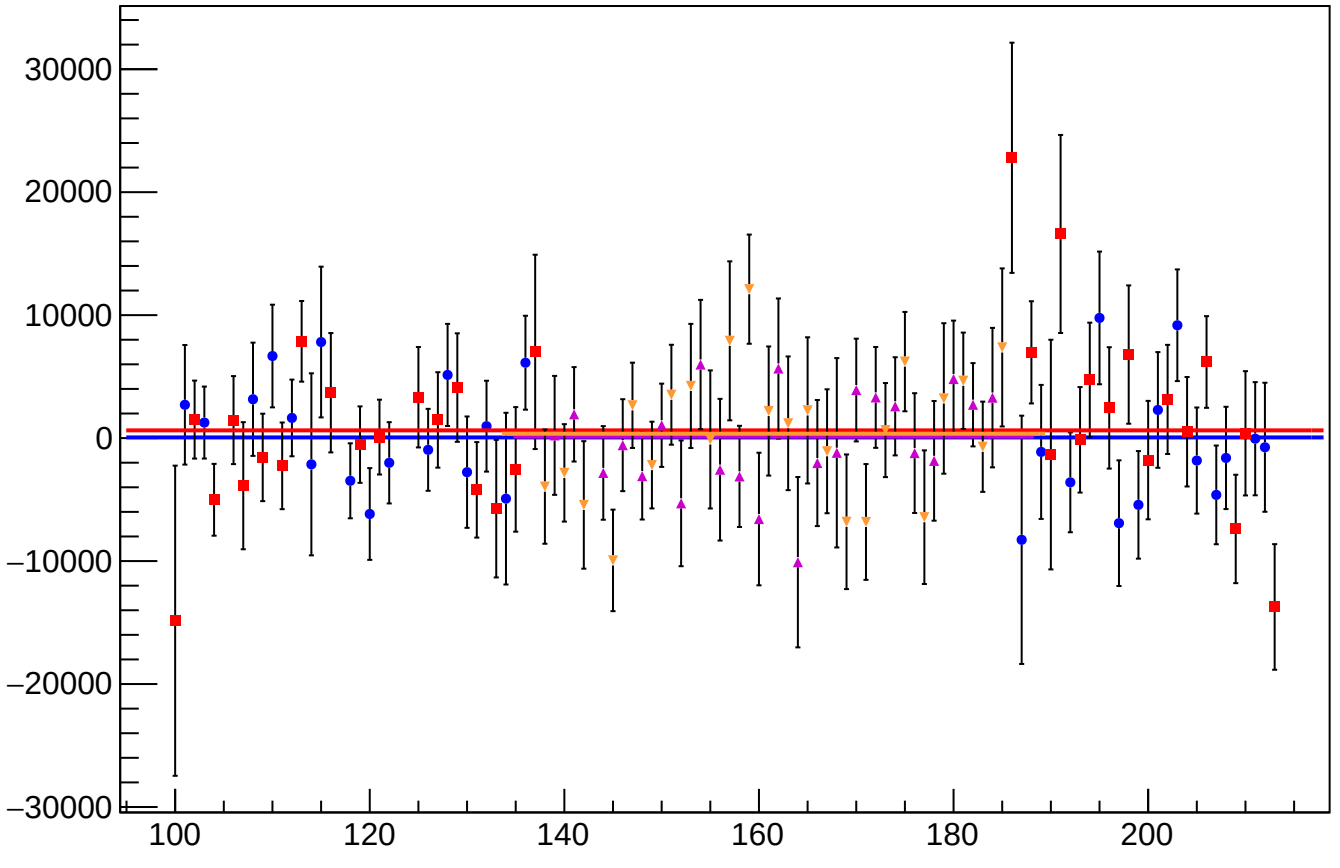
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 929.230+/-0.110 χ^2/NDF: 1208754.1/61

In: 1001.361+/-0.120 χ^2/NDF:1596649.2/51

Out: 1001.217+/-0.117 χ^2/NDF:1554600.8/56

All: 1001.287+/-0.084 χ^2/NDF: 3151250.8/10



Right In: 55.427+/-785.324 χ^2/NDF: 29.2/28

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

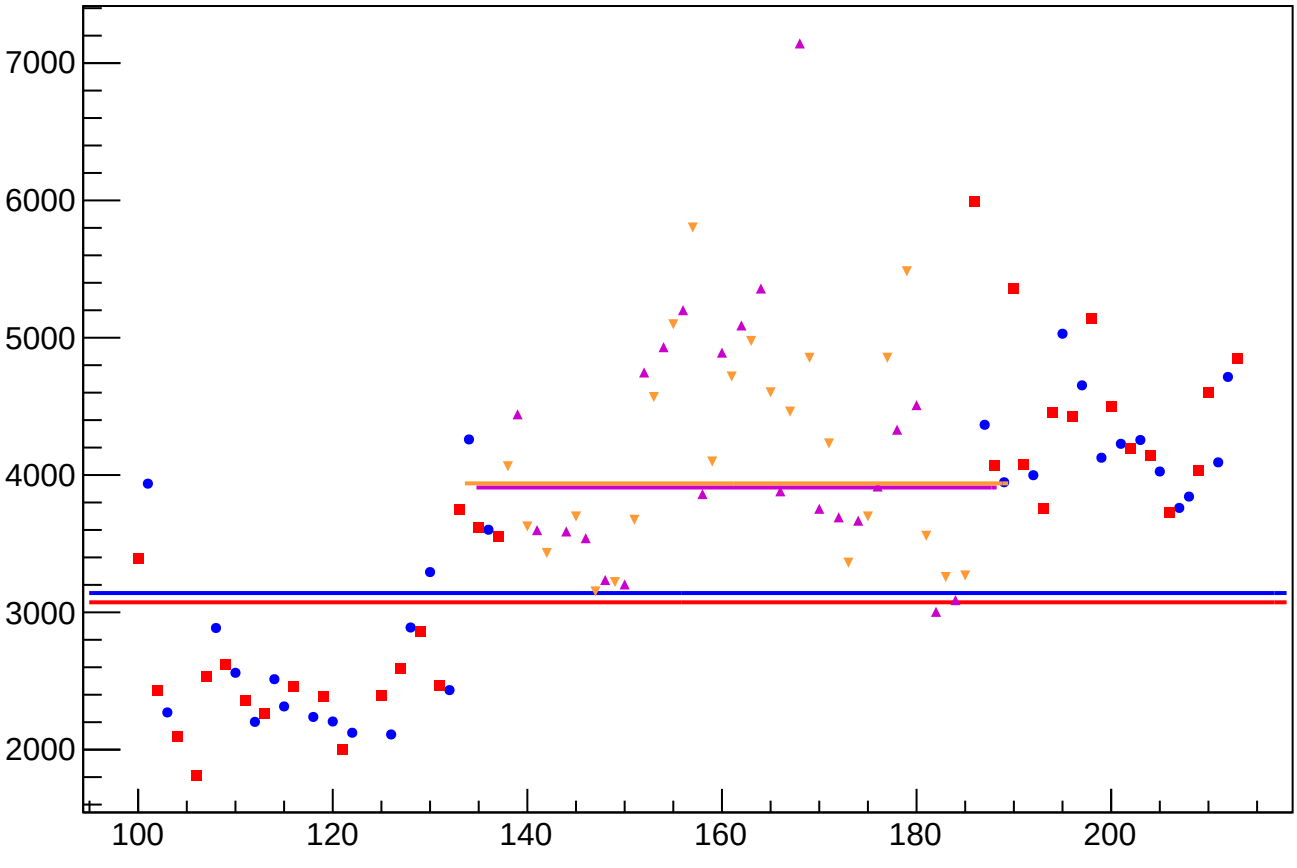
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 356.595+/-541.366 χ^2/NDF: 75.2/61

In: 84.969+/-600.723 χ^2/NDF:42.9/51

Out: 523.338+/-583.568 χ^2/NDF:76.0/56

All: 310.502+/-418.578 χ^2/NDF: 119.2/108



Right In: 3140.459+/-0.555 χ^2/NDF: 2718037.4/28

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

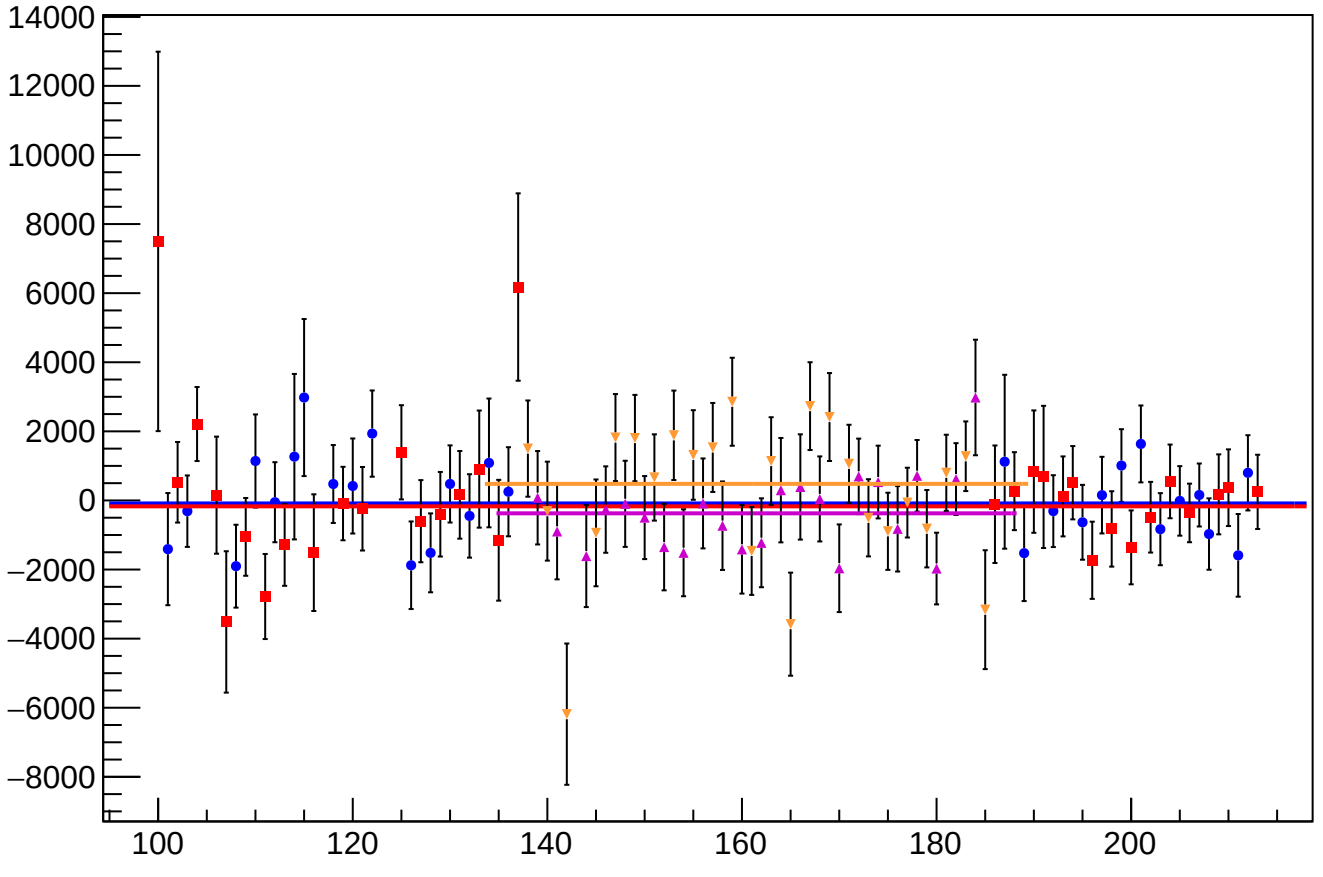
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3105.100+/-0.383 χ^2/NDF: 6226764.7/61

In: 3459.360+/-0.425 χ^2/NDF:4813744.1/51

Out: 3411.065+/-0.413 χ^2/NDF:5642089.8/56

All: 3434.513+/-0.296 χ^2/NDF: 10462484.4/1



Right In: -86.910+/-223.817 χ^2/NDF: 22.0/28

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

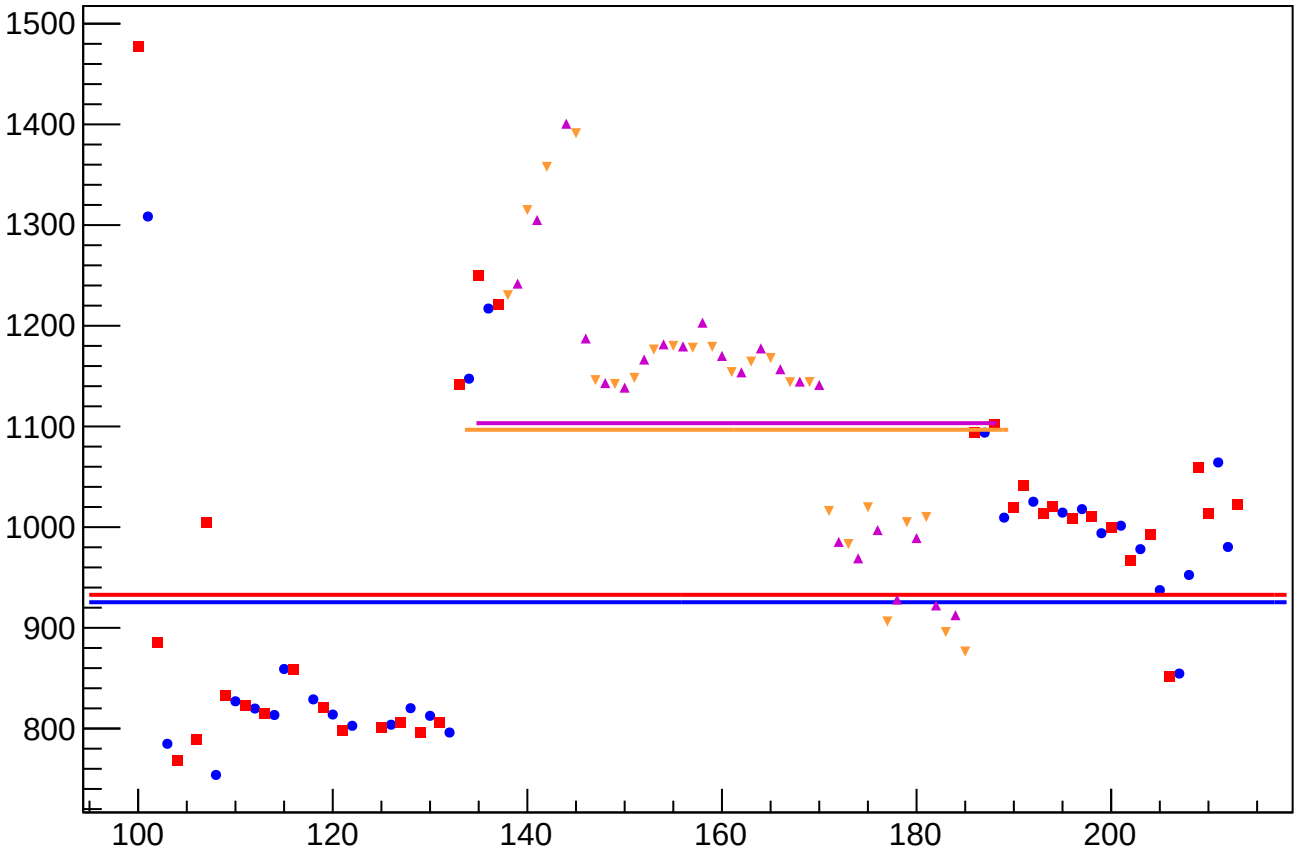
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -130.087+/-155.976 χ^2/NDF: 52.2/61

In: -209.005+/-169.434 χ^2/NDF:38.8/51

Out: 101.394+/-165.836 χ^2/NDF:79.0/56

All: -50.475+/-118.515 χ^2/NDF: 119.5/108



Right In: 925.434+/-0.158 χ^2/NDF: 609992.3/28

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

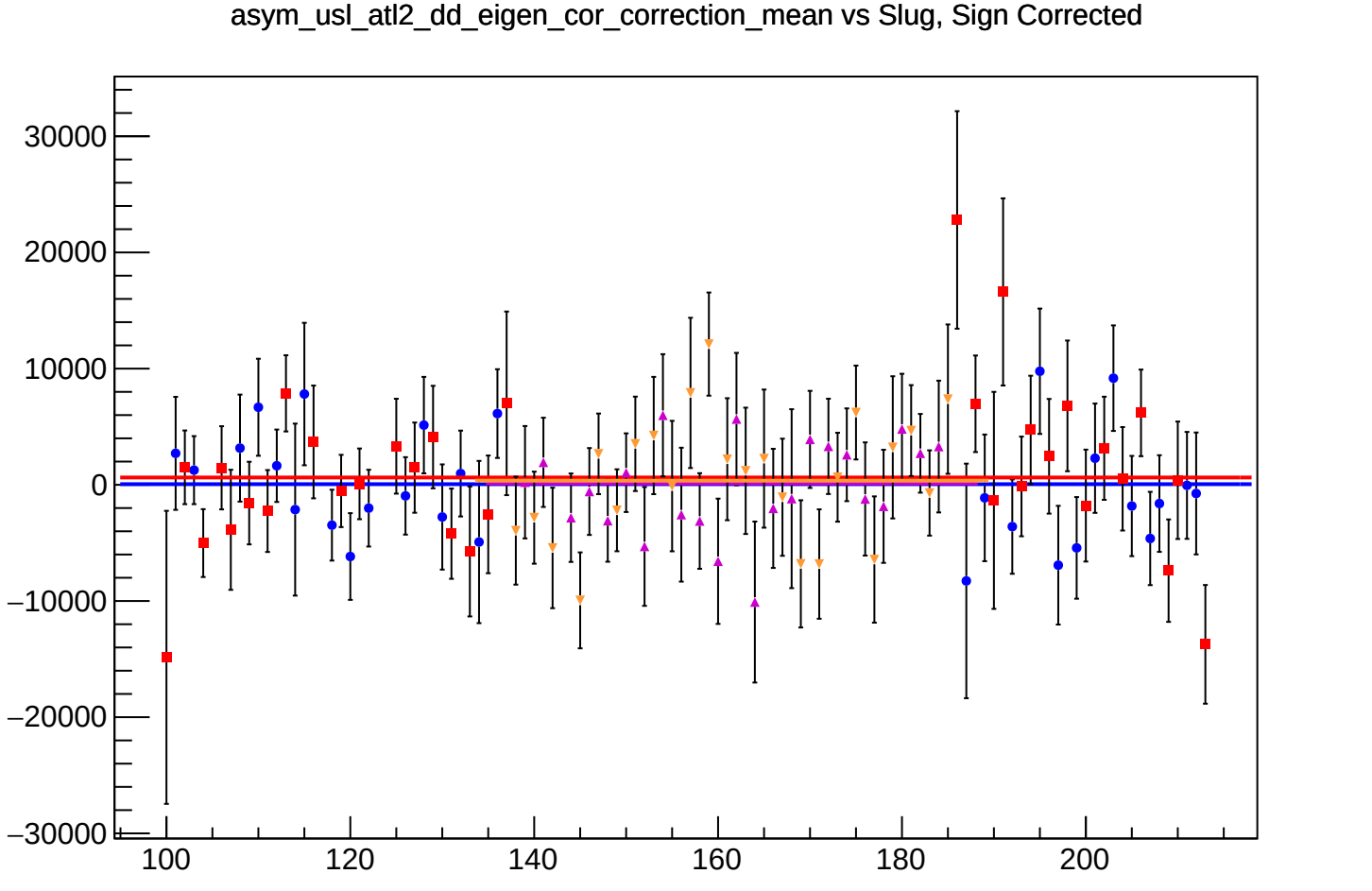
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 929.230+/-0.110 χ^2/NDF: 1208754.1/61

In: 1001.361+/-0.120 χ^2/NDF:1596649.2/51

Out: 1001.217+/-0.117 χ^2/NDF:1554600.8/56

All: 1001.287+/-0.084 χ^2/NDF: 3151250.8/10



Right In: 55.427+/-785.324 χ^2/NDF: 29.2/28

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

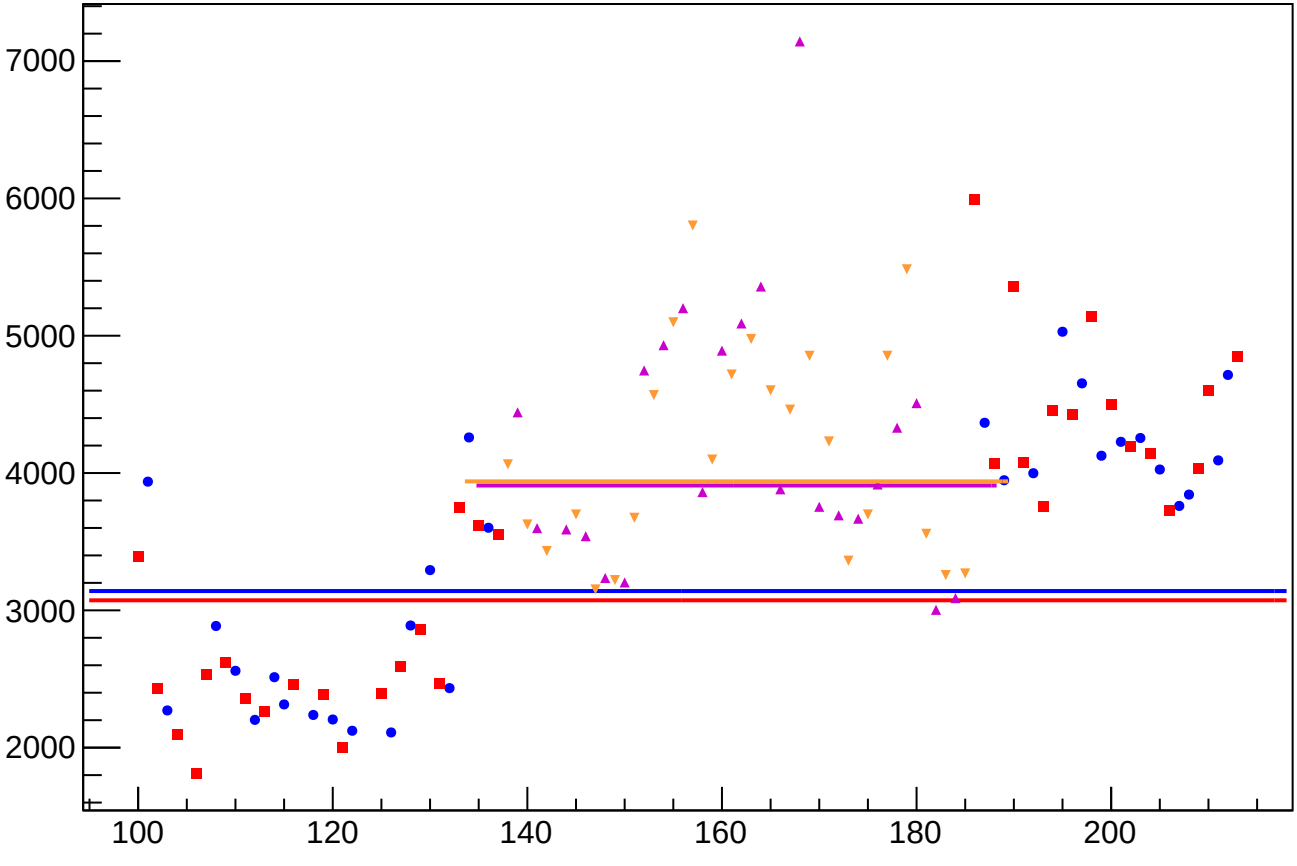
Right: 356.595+/-541.366 χ^2/NDF: 75.2/61

In: 84.969+/-600.723 χ^2/NDF:42.9/51

Out: 523.338+/-583.568 χ^2/NDF:76.0/56

All: 310.502+/-418.578 χ^2/NDF: 119.2/108

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3140.459+/-0.555 χ^2/NDF: 2718037.4/28

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

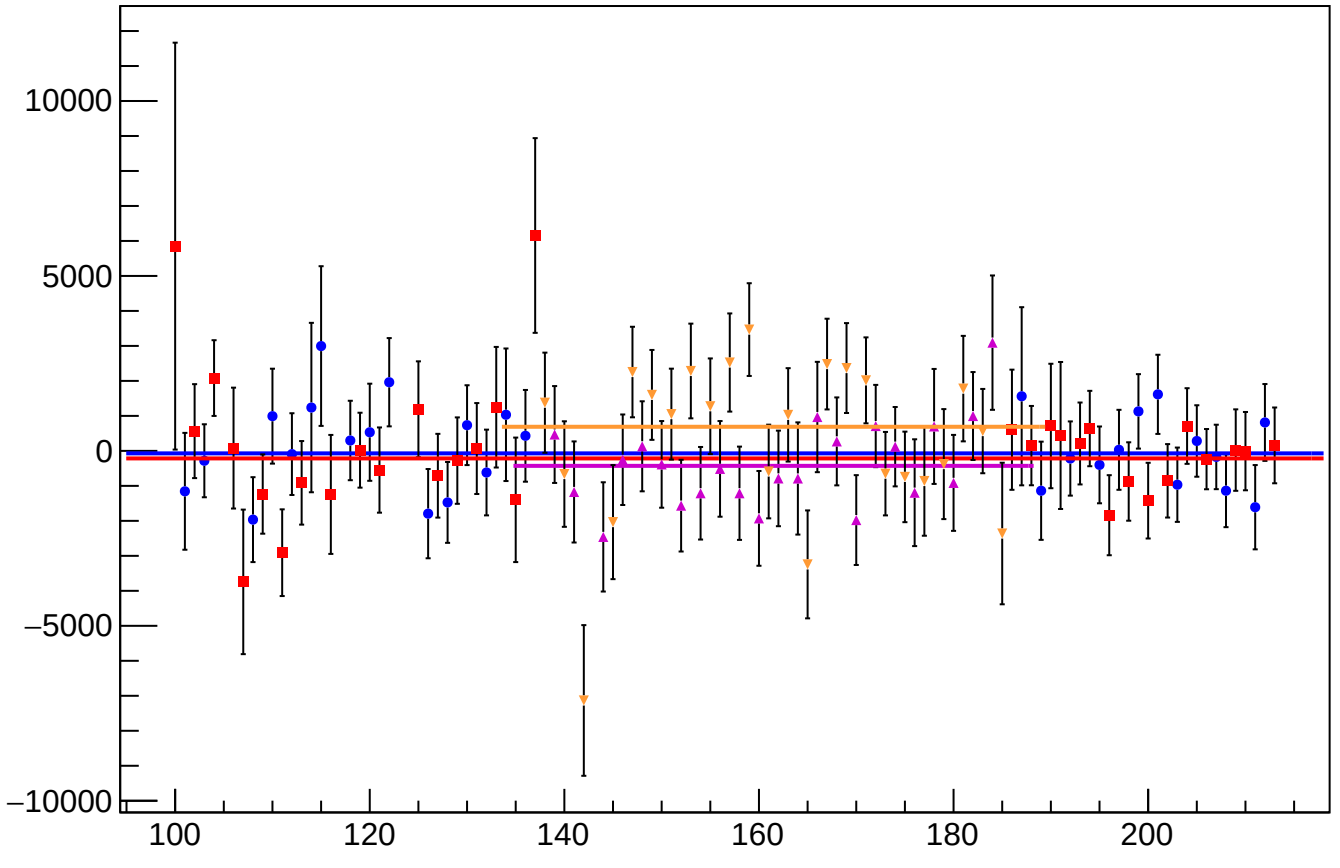
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3105.100+/-0.383 χ^2/NDF: 6226764.7/61

In: 3459.360+/-0.425 χ^2/NDF:4813744.1/51

Out: 3411.065+/-0.413 χ^2/NDF:5642089.8/56

All: 3434.513+/-0.296 χ^2/NDF: 10462484.4/1



Right In: -71.131+/-226.721 χ^2/NDF: 21.8/28

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

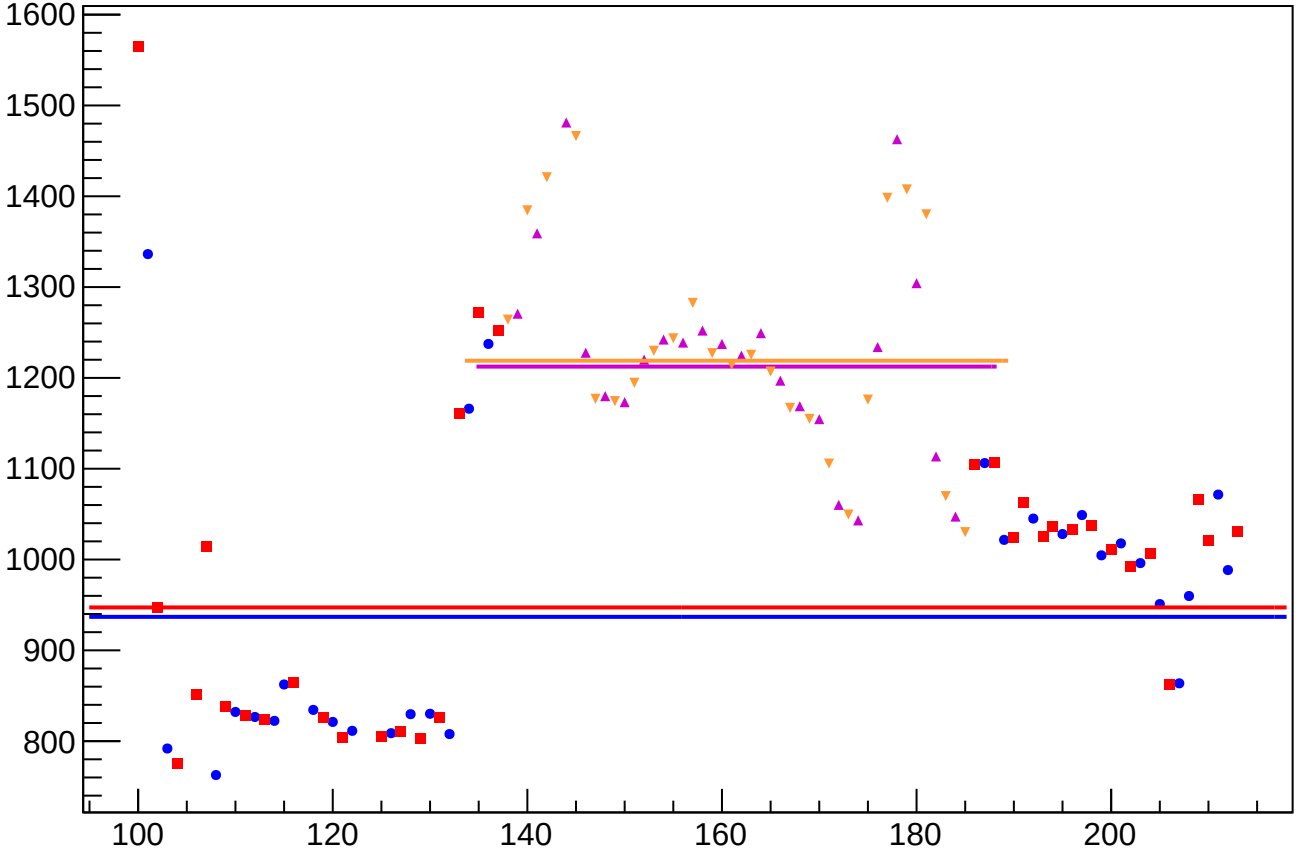
Right: -145.136+/-158.285 χ^2/NDF: 51.3/61

In: -209.831+/-177.278 χ^2/NDF:37.3/51

Out: 125.247+/-174.544 χ^2/NDF:81.3/56

All: -39.688+/-124.377 χ^2/NDF: 120.5/108

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 936.866+/-0.160 χ^2/NDF: 630006.0/28

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

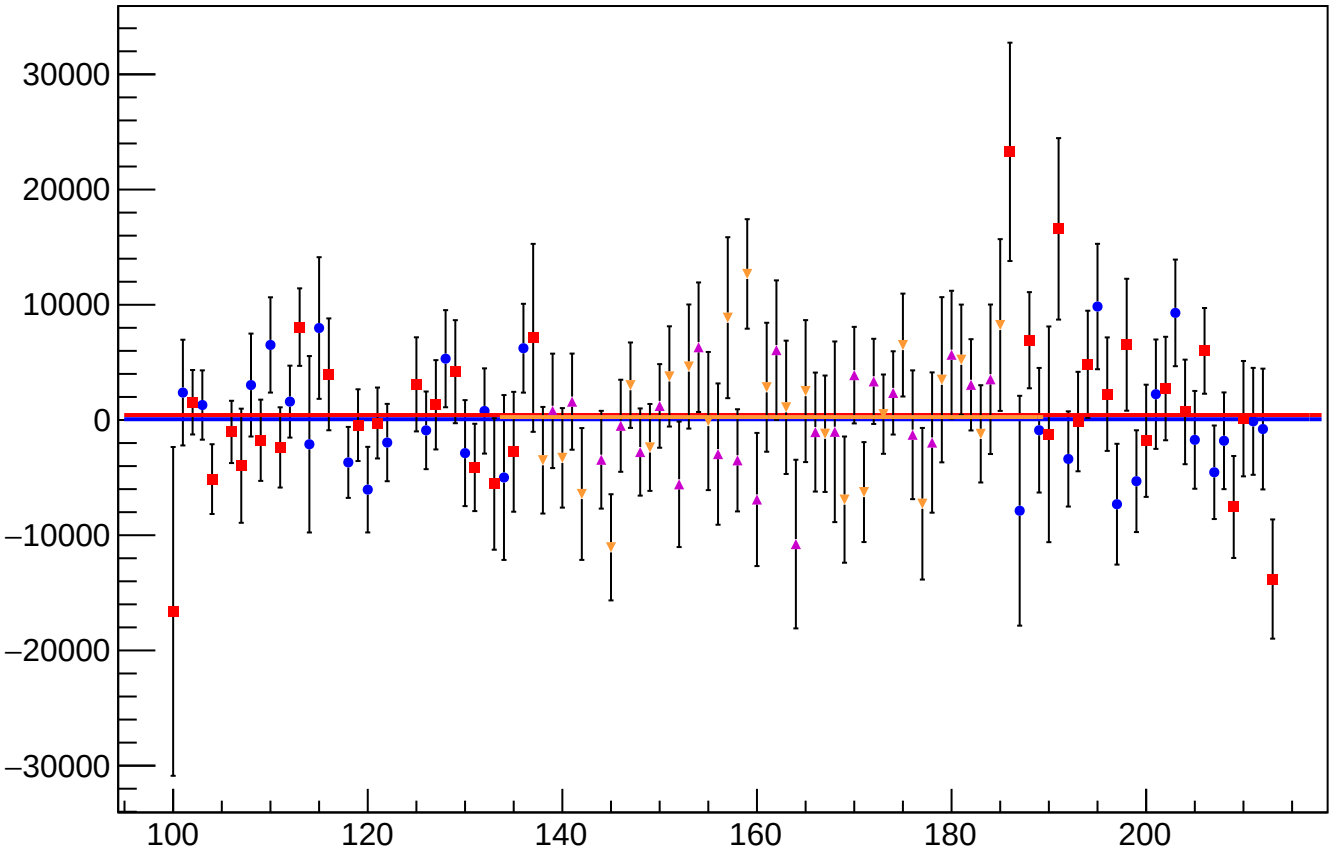
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 942.192+/-0.112 χ^2/NDF: 1233428.4/61

In: 1043.957+/-0.125 χ^2/NDF:2038606.5/51

Out: 1049.533+/-0.123 χ^2/NDF:2033186.3/56

All: 1046.789+/-0.088 χ^2/NDF: 4072798.0/10



Right In: 66.402+/-790.071 χ^2/NDF: 28.9/28

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

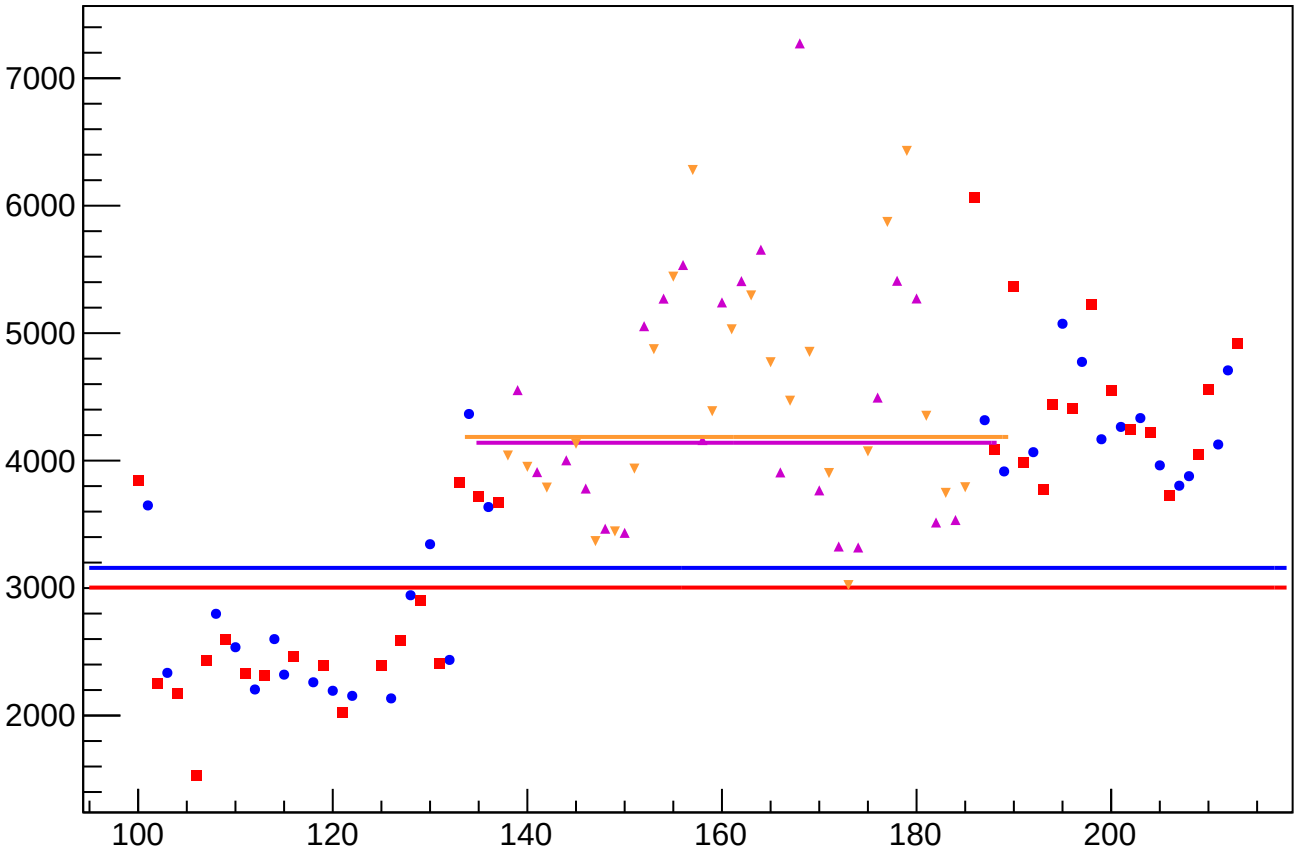
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 262.365+/-537.478 χ^2/NDF: 74.9/61

In: 144.146+/-617.548 χ^2/NDF:42.4/51

Out: 368.410+/-590.346 χ^2/NDF:75.6/56

All: 261.326+/-426.730 χ^2/NDF: 118.0/108



Right In: 3158.347+/-0.559 χ^2/NDF: 2691270.4/28

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

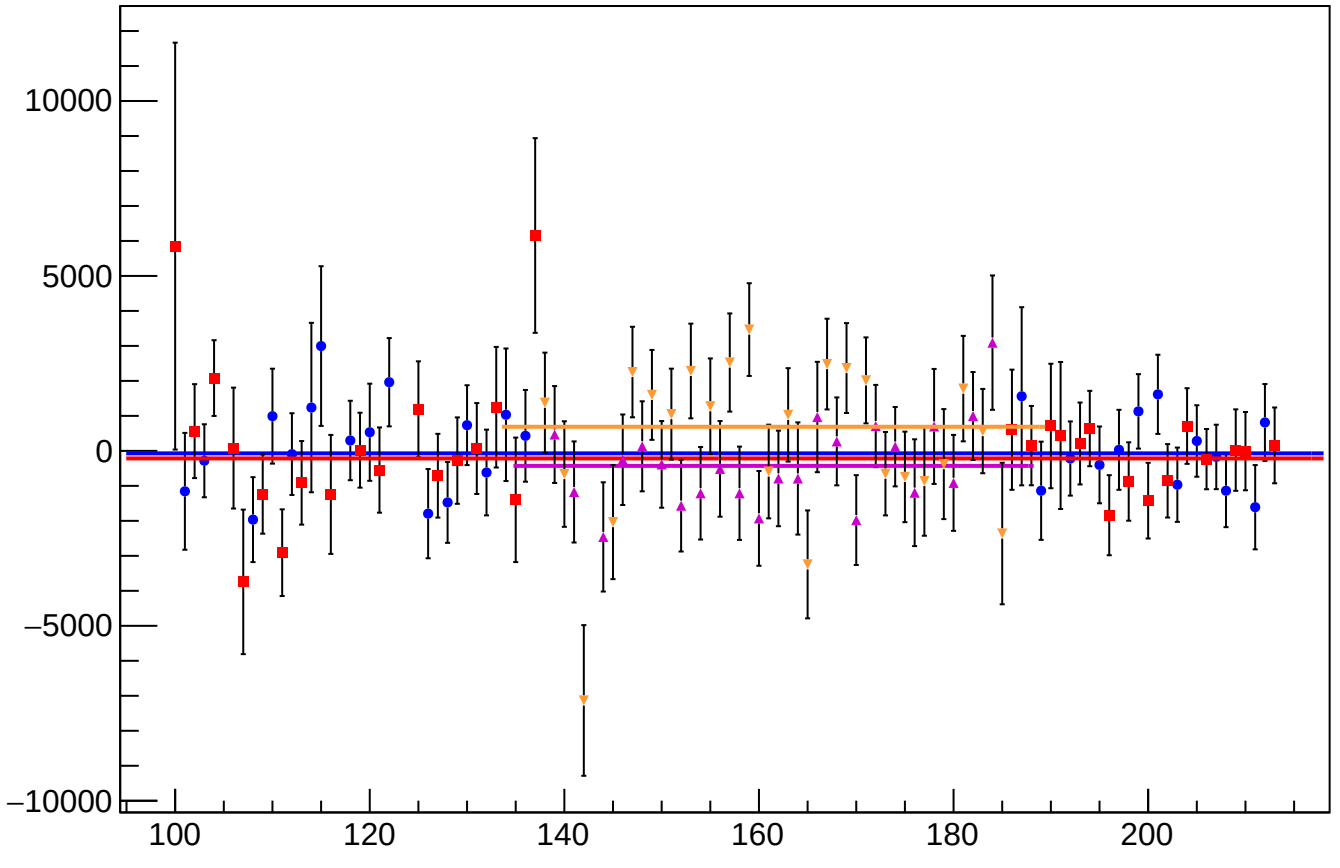
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 3075.419+/-0.380 χ^2/NDF: 6732385.1/61

In: 3540.273+/-0.437 χ^2/NDF:5342512.8/51

Out: 3419.827+/-0.417 χ^2/NDF:7098957.9/56

All: 3477.339+/-0.302 χ^2/NDF: 12481223.4/1



Right In: -71.133+/-226.721 χ^2/NDF: 21.8/28

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

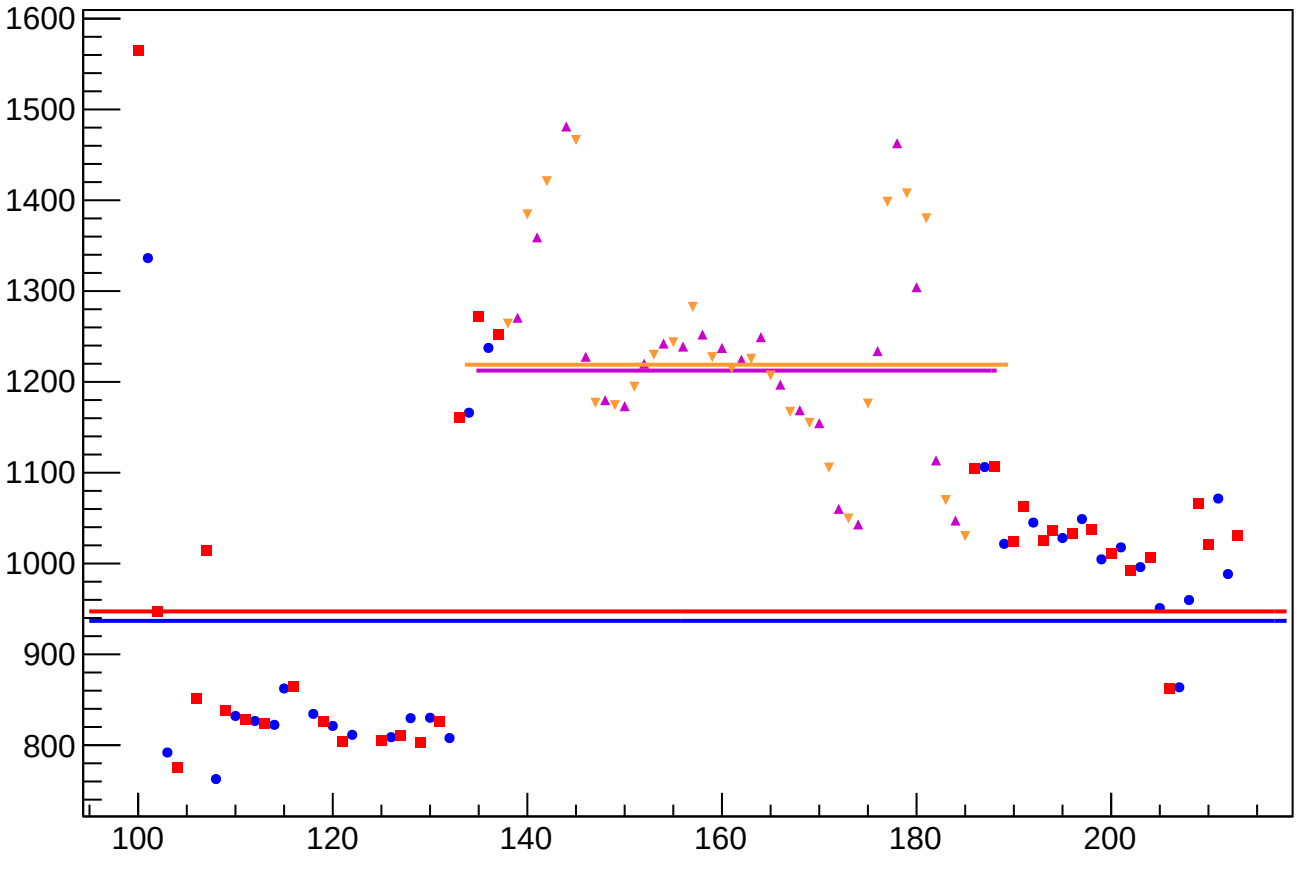
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -145.137+/-158.285 χ^2/NDF: 51.3/61

In: -209.831+/-177.278 χ^2/NDF:37.3/51

Out: 125.248+/-174.544 χ^2/NDF:81.3/56

All: -39.688+/-124.377 χ^2/NDF: 120.5/108



Right In: 936.866+/-0.160 χ^2/NDF: 630005.9/28

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

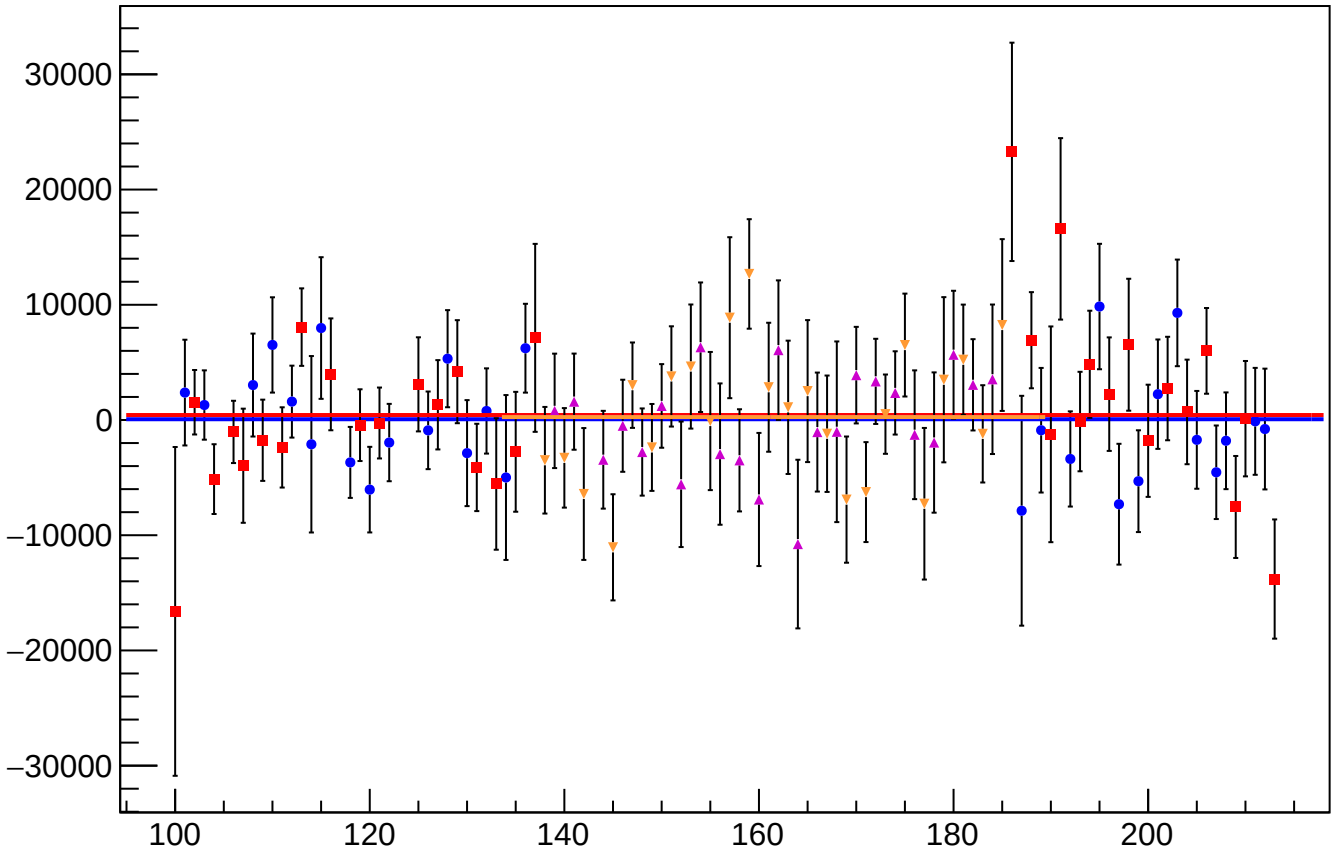
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 942.192+/-0.112 χ^2/NDF: 1233428.6/61

In: 1043.957+/-0.125 χ^2/NDF:2038622.6/51

Out: 1049.534+/-0.123 χ^2/NDF:2033204.6/56

All: 1046.789+/-0.088 χ^2/NDF: 4072832.3/10



Right In: 66.401+/-790.070 χ^2/NDF: 28.9/28

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

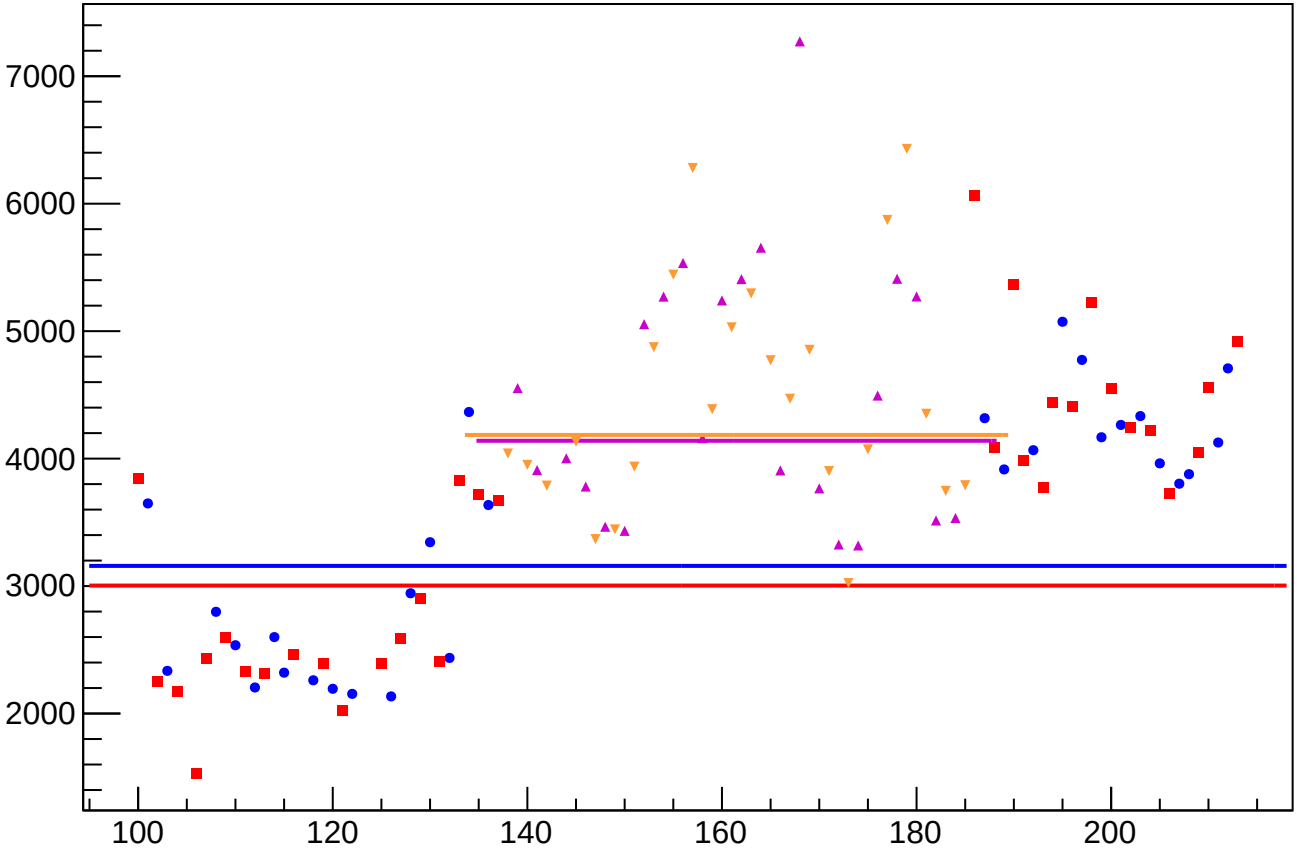
Right: 262.363+/-537.477 χ^2/NDF: 74.9/61

In: 144.145+/-617.549 χ^2/NDF:42.4/51

Out: 368.409+/-590.346 χ^2/NDF:75.6/56

All: 261.325+/-426.730 χ^2/NDF: 118.0/108

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3158.341+/-0.559 χ^2/NDF: 2691321.7/28

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

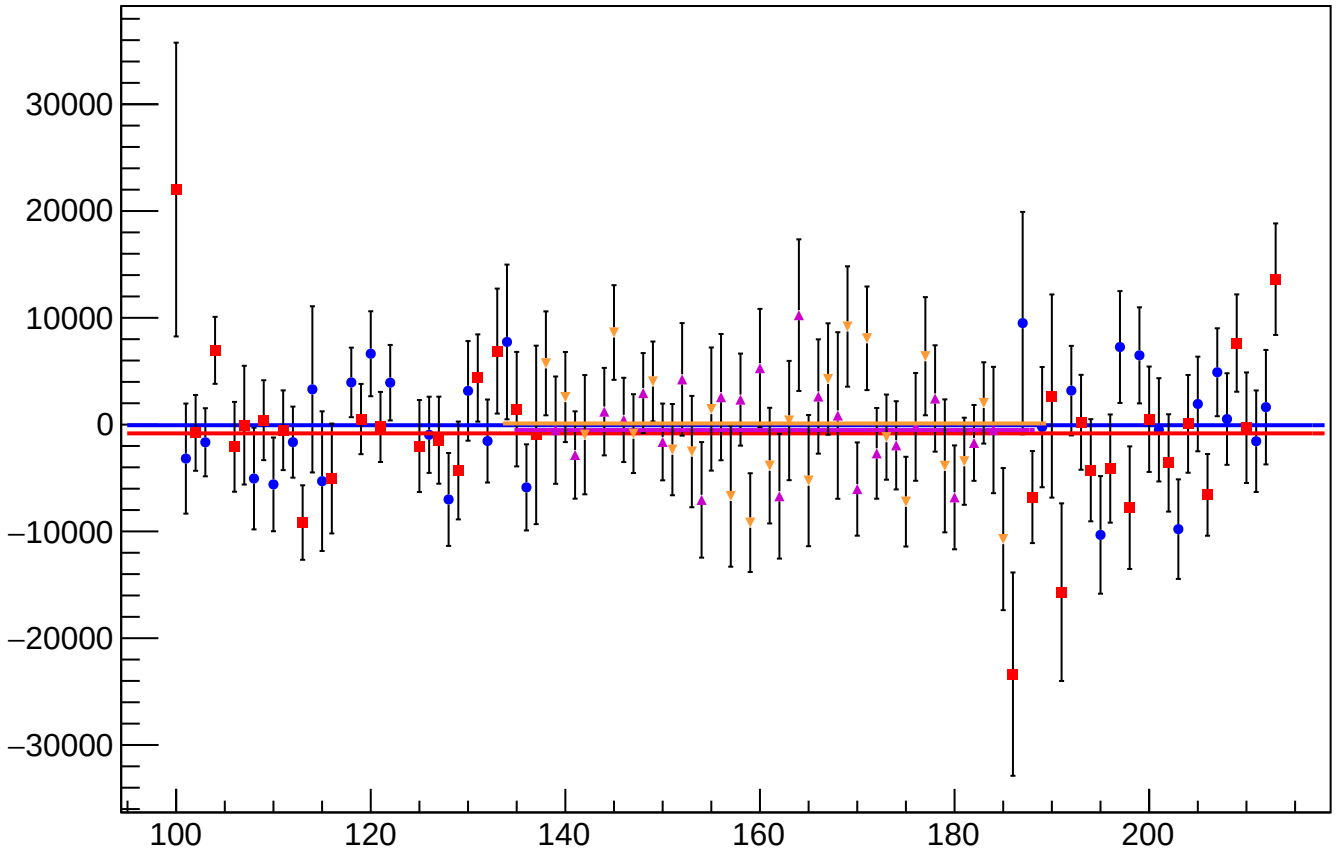
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 3075.414+/-0.380 χ^2/NDF: 6732481.5/61

In: 3540.272+/-0.437 χ^2/NDF:5342595.0/51

Out: 3419.825+/-0.417 χ^2/NDF:7099041.5/56

All: 3477.337+/-0.302 χ^2/NDF: 12481389.6/1



Right In: -57.153+/-824.035 χ^2/NDF: 31.7/28

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

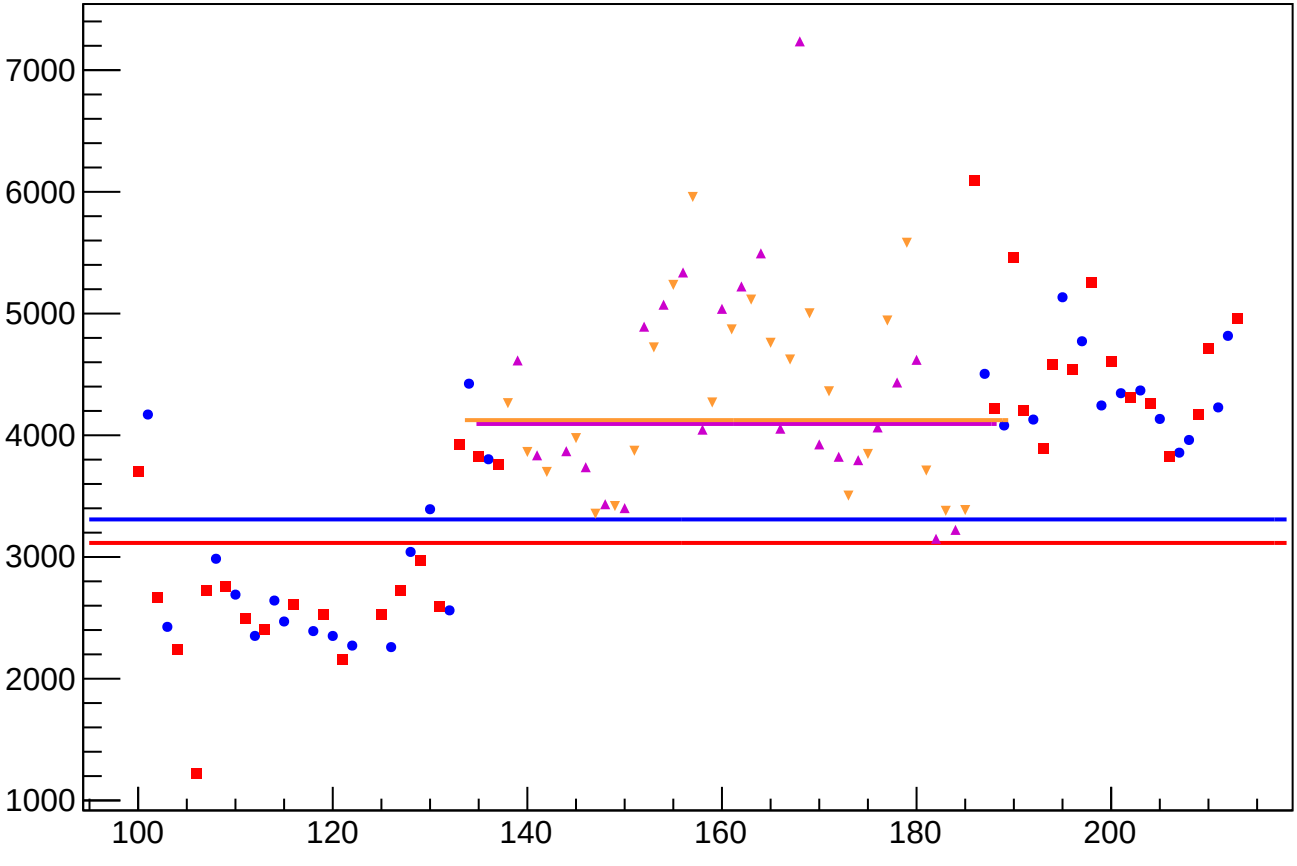
Right: -455.444+/-570.011 χ^2/NDF: 79.2/61

In: -245.622+/-629.141 χ^2/NDF:45.3/51

Out: -453.018+/-613.633 χ^2/NDF:75.7/56

All: -351.908+/-439.285 χ^2/NDF: 121.1/108

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3308.648+/-0.583 χ^2/NDF: 2433142.0/28

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

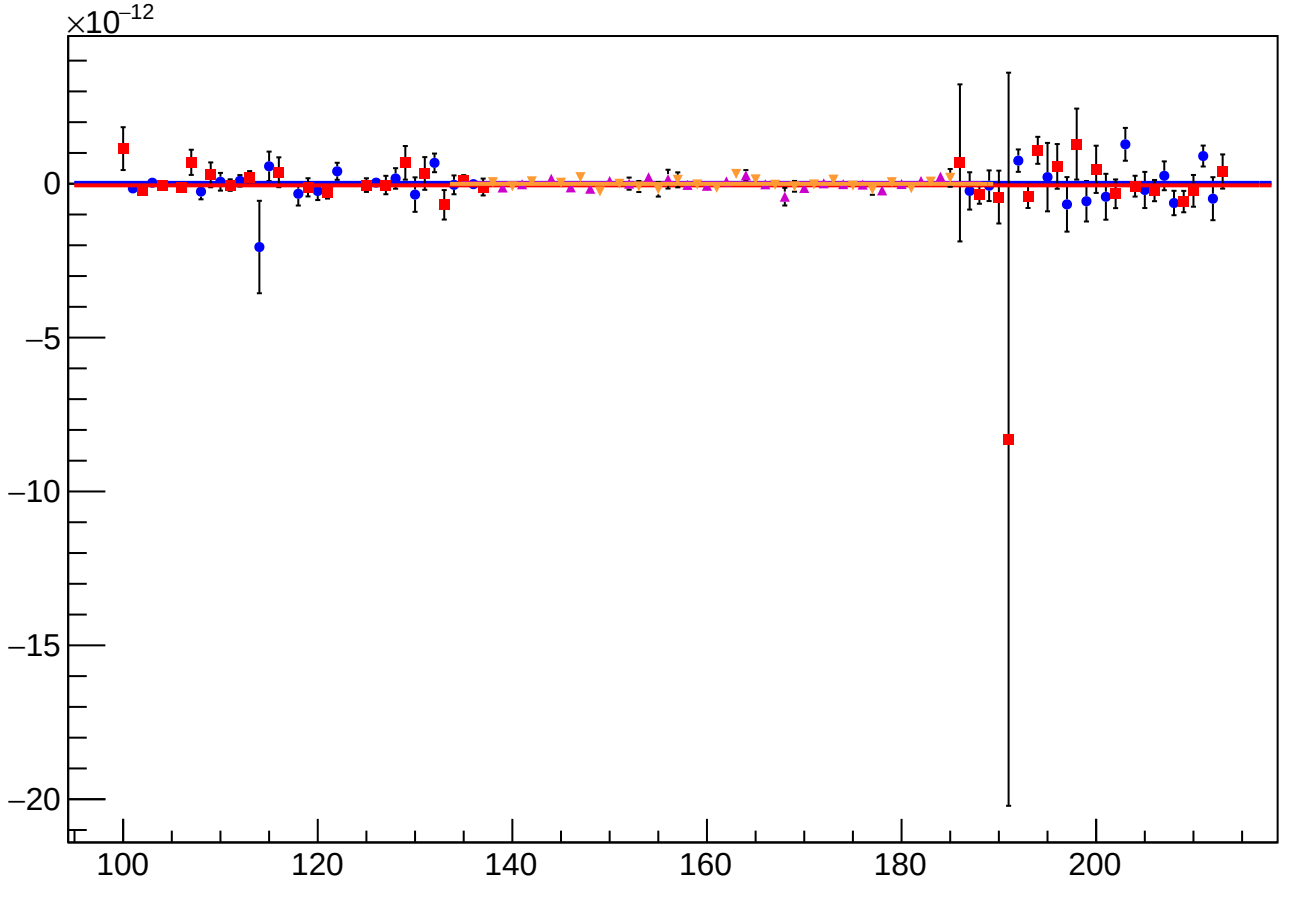
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3205.011+/-0.397 χ^2/NDF: 6634551.7/61

In: 3635.817+/-0.445 χ^2/NDF:4351884.7/51

Out: 3500.139+/-0.426 χ^2/NDF:6436083.2/56

All: 3565.027+/-0.308 χ^2/NDF: 10836498.3/1



Right In: 0.000+/-0.000 χ^2/NDF: 37.3/28

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

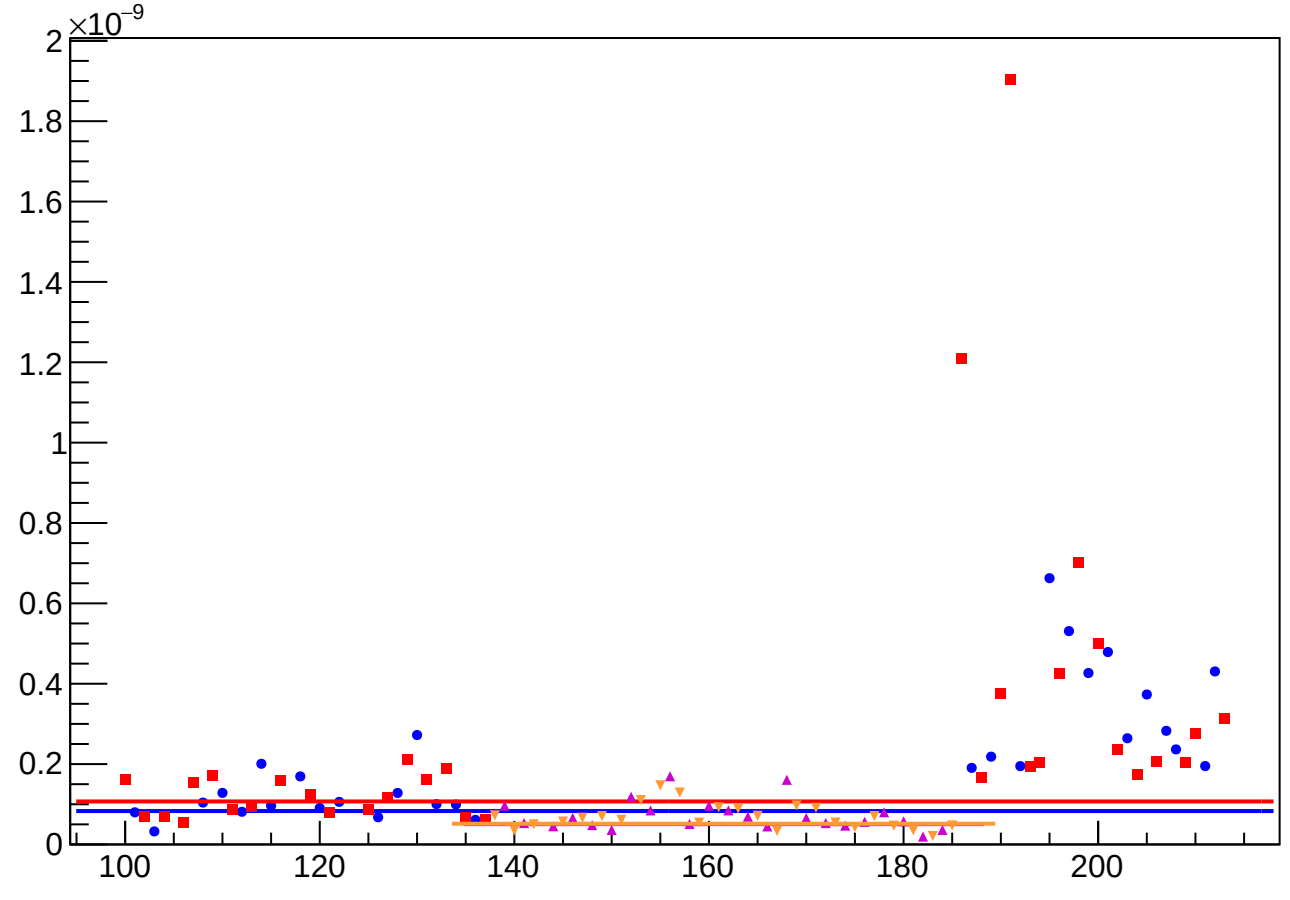
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 71.6/61

In: 0.000+/-0.000 χ^2/NDF:63.0/51

Out: -0.000+/-0.000 χ^2/NDF:57.7/56

All: 0.000+/-0.000 χ^2/NDF: 122.1/108



Right In: 0.000+/-0.000 χ^2/NDF: 6210832.3/28

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

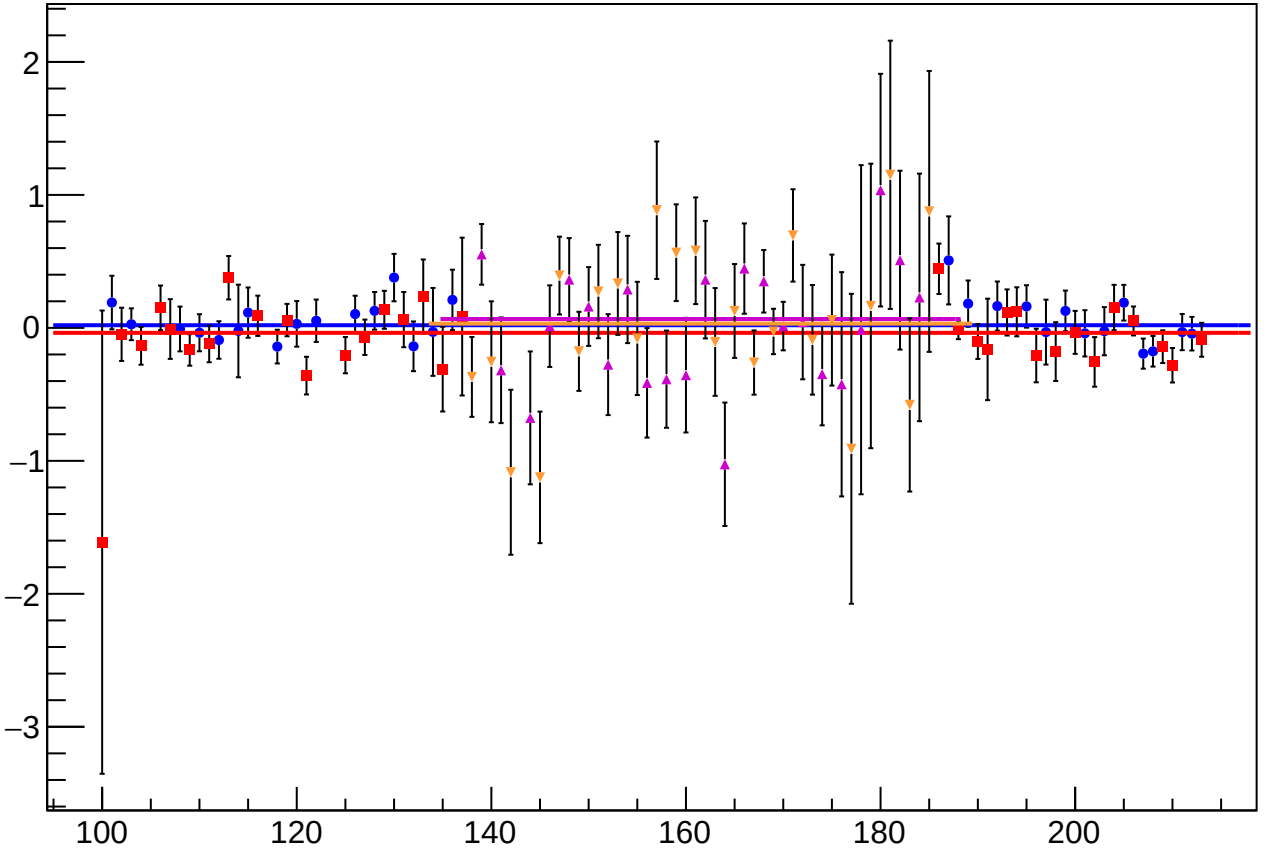
Right: 0.000+/-0.000 χ^2/NDF: 10958449.6/61

In: 0.000+/-0.000 χ^2/NDF:9584682.8/51

Out: 0.000+/-0.000 χ^2/NDF:8874675.2/56

All: 0.000+/-0.000 χ^2/NDF: 18492144.3/108

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.029 χ^2/NDF: 23.5/28

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

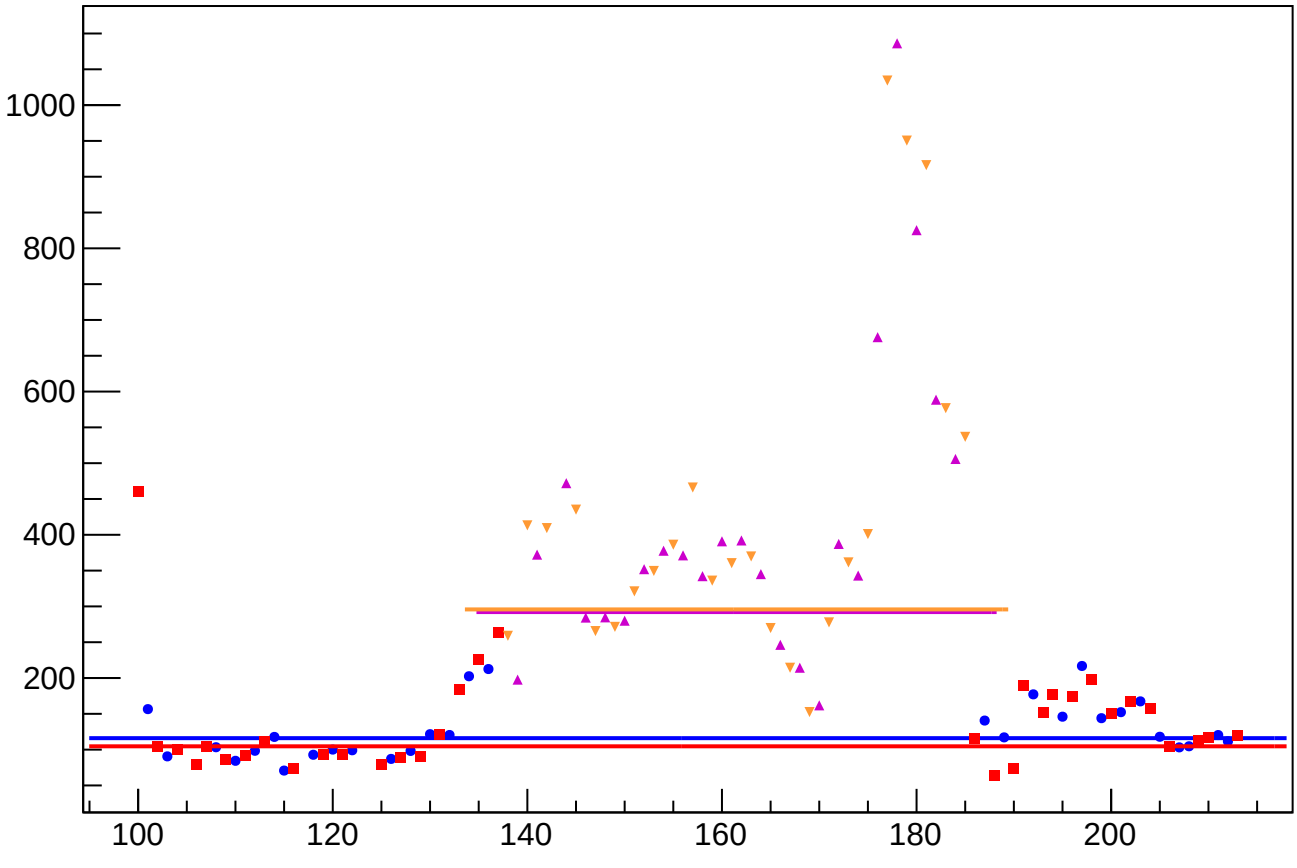
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.012+/-0.020 χ^2/NDF: 64.9/61

In: 0.026+/-0.027 χ^2/NDF:49.5/51

Out: -0.030+/-0.025 χ^2/NDF:69.8/56

All: -0.004+/-0.018 χ^2/NDF: 121.6/108



Right In: 116.027+/-0.021 χ^2/NDF: 2165239.0/28

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

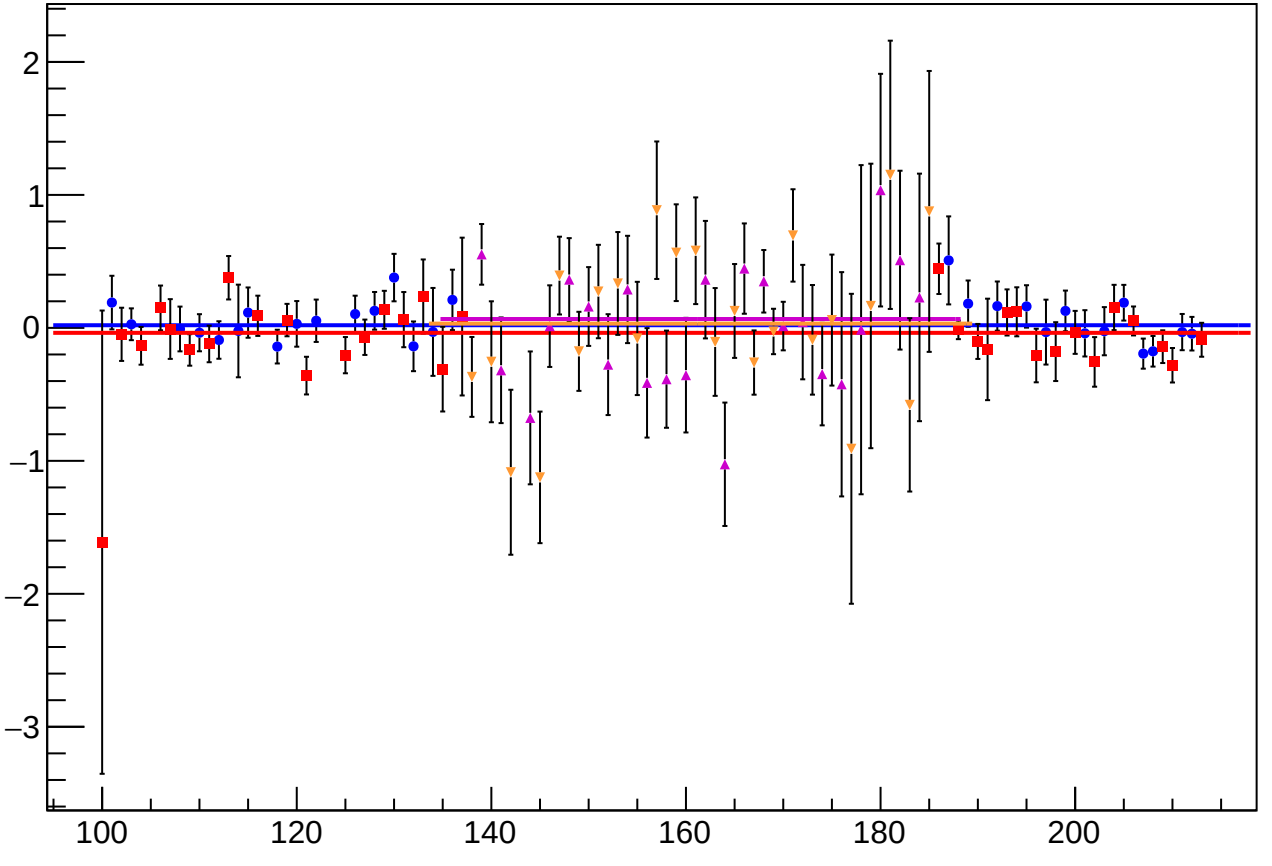
Right: 109.704+/-0.014 χ^2/NDF: 5960140.5/61

In: 139.693+/-0.019 χ^2/NDF:16833731.3/51

Out: 125.149+/-0.018 χ^2/NDF:20423730.8/56

All: 131.728+/-0.013 χ^2/NDF: 37566199.9/10

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.029 χ^2/NDF: 23.5/28

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

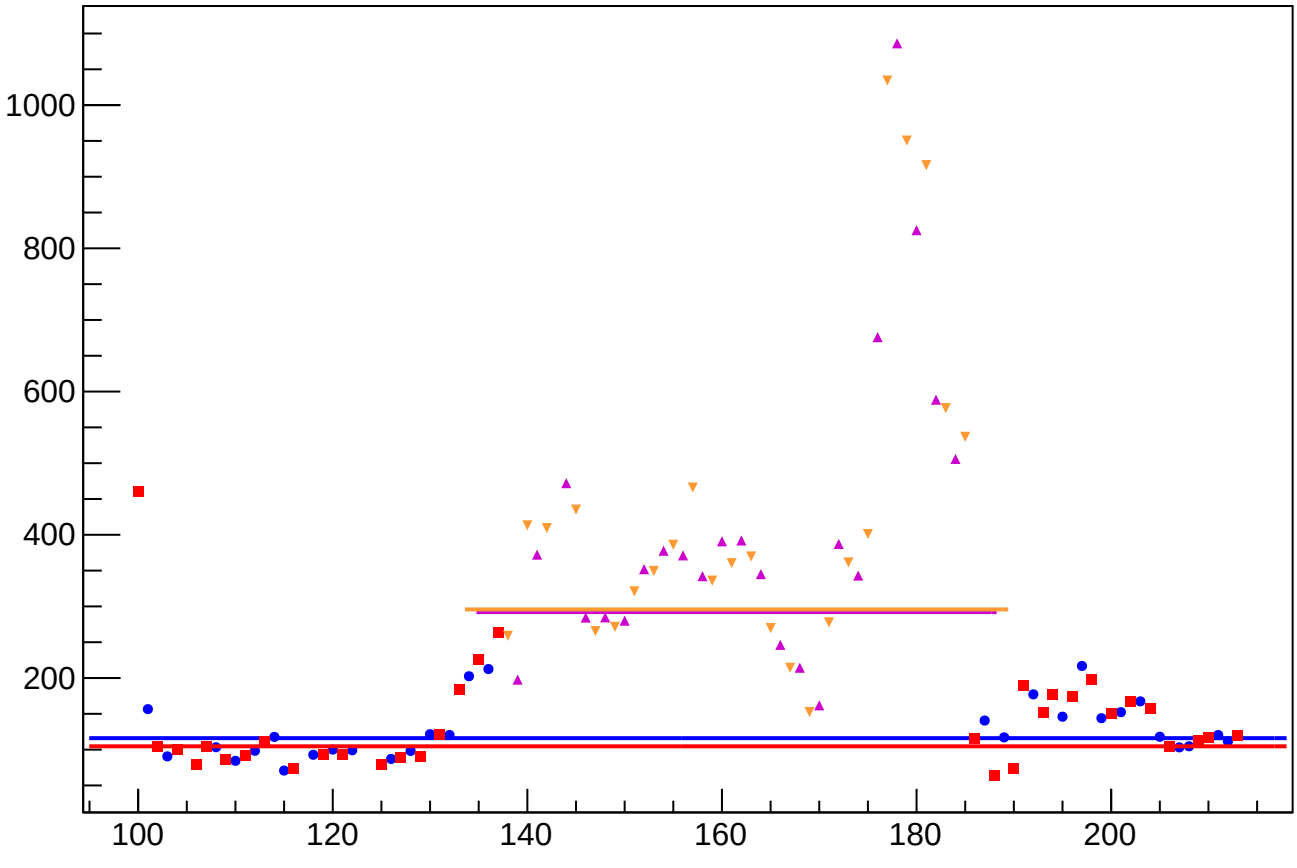
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.012+/-0.020 χ^2/NDF: 64.9/61

In: 0.026+/-0.027 χ^2/NDF:49.5/51

Out: -0.030+/-0.025 χ^2/NDF:69.8/56

All: -0.004+/-0.018 χ^2/NDF: 121.6/108



Right In: 116.027+/-0.021 χ^2/NDF: 2165239.0/28

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

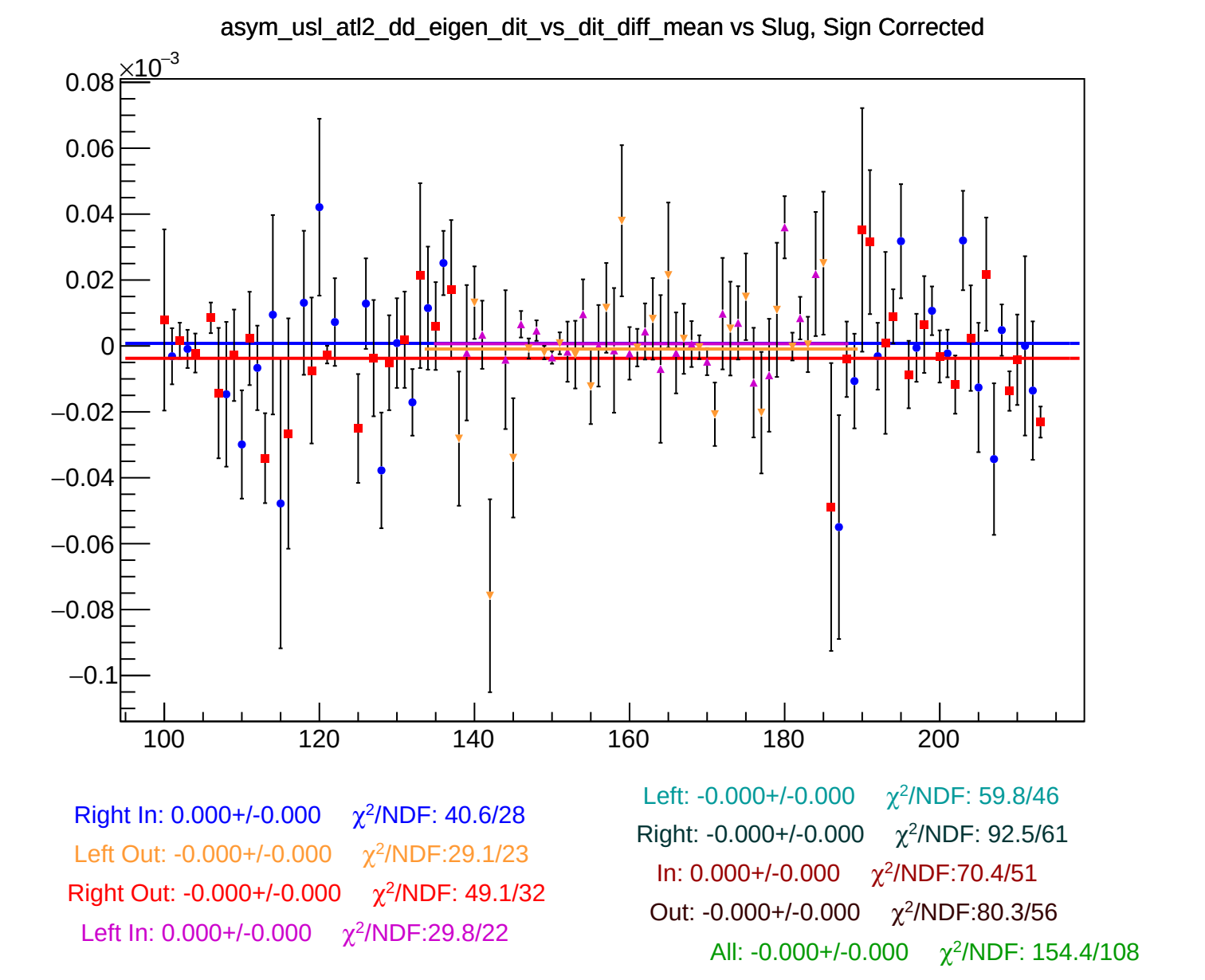
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

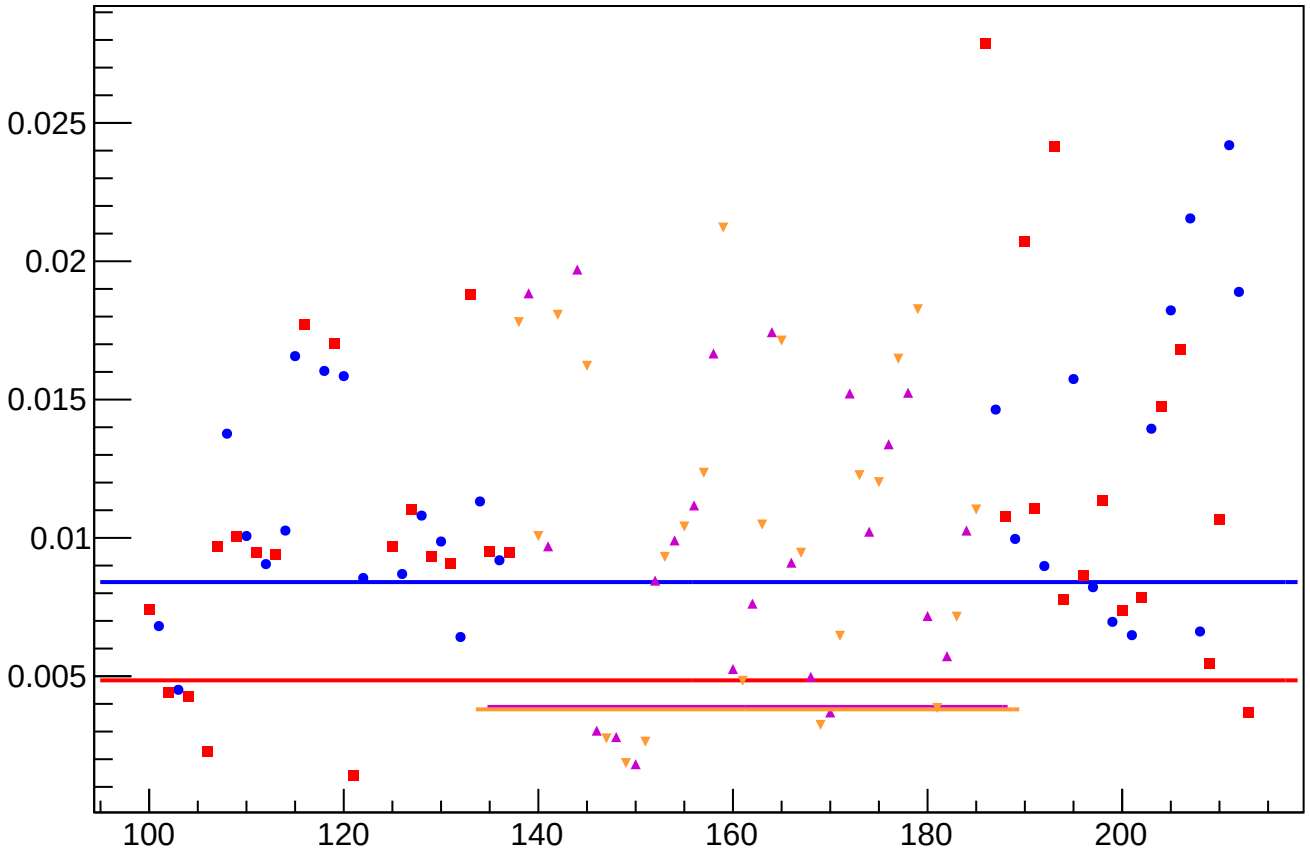
Right: 109.704+/-0.014 χ^2/NDF: 5960140.5/61

In: 139.693+/-0.019 χ^2/NDF:16833731.3/51

Out: 125.149+/-0.018 χ^2/NDF:20423730.8/56

All: 131.728+/-0.013 χ^2/NDF: 37566199.9/10


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: 40.6/28
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: 92.5/61
In: 0.000+/-0.000 χ²/NDF:70.4/51
Out: -0.000+/-0.000 χ²/NDF:80.3/56
All: -0.000+/-0.000 χ²/NDF: 154.4/108



Right In: 0.008+/-0.000 χ^2/NDF: 5169786.3/28

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

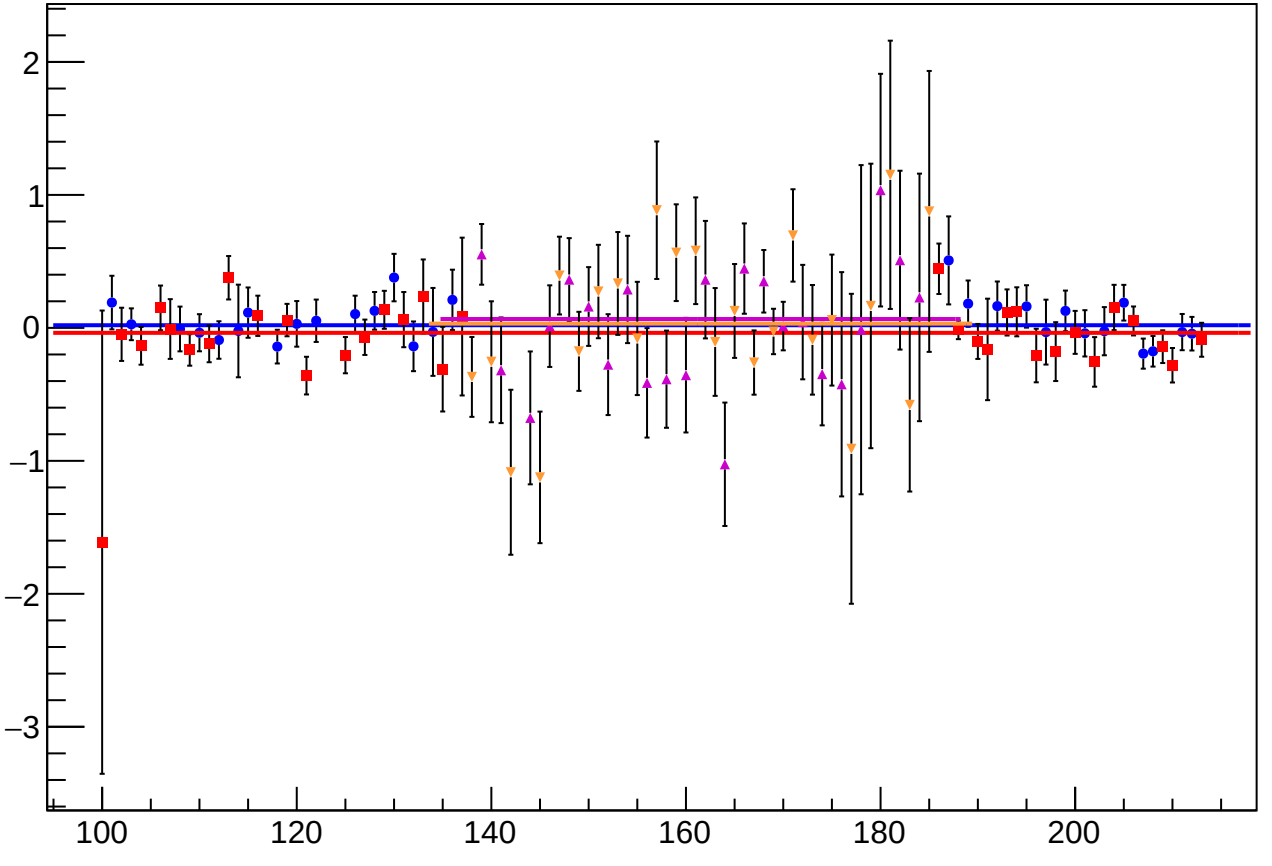
Right: 0.006+/-0.000 χ^2/NDF: 22122330.0/61

In: 0.005+/-0.000 χ^2/NDF:24882449.6/51

Out: 0.004+/-0.000 χ^2/NDF:28710808.5/56

All: 0.005+/-0.000 χ^2/NDF: 54110634.4/108

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.029 χ^2/NDF: 23.5/28

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

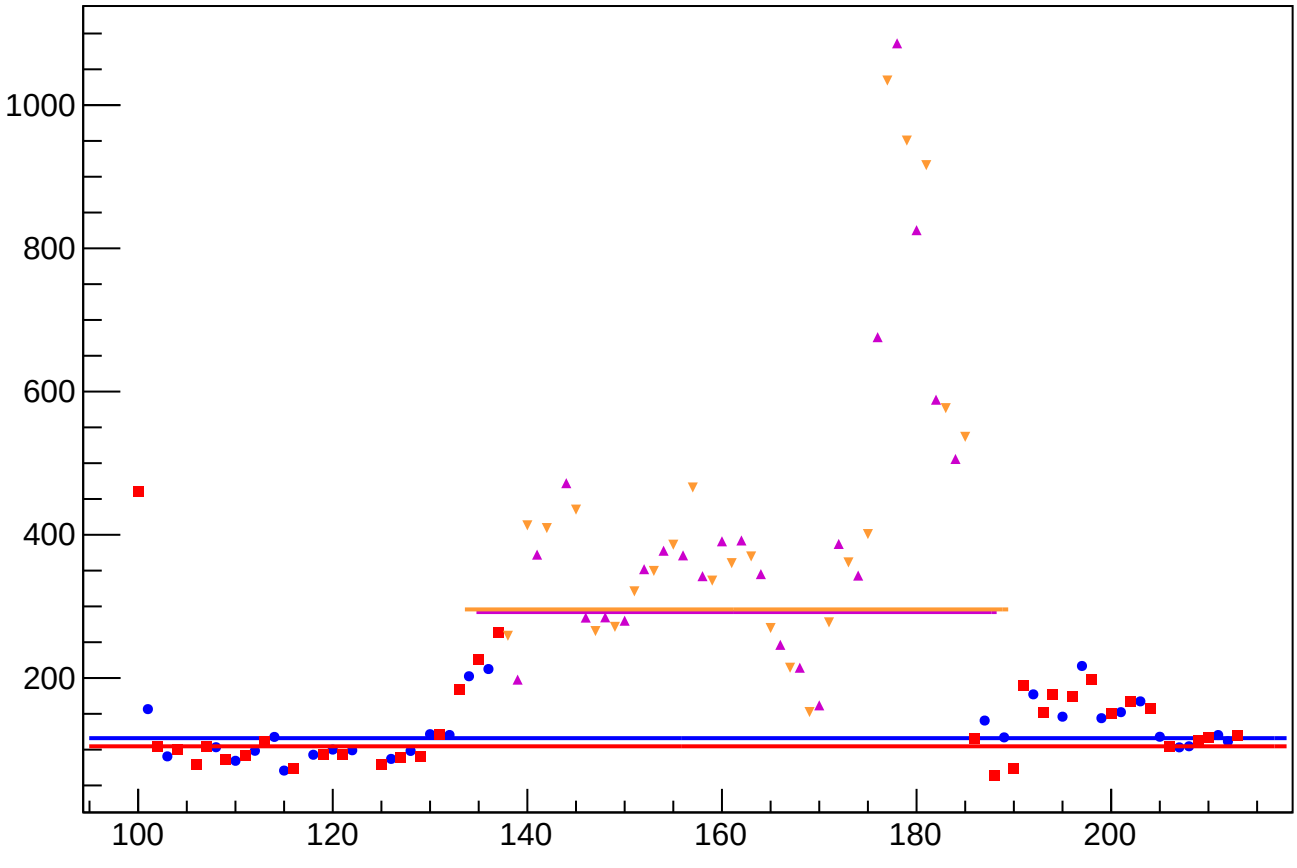
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.012+/-0.020 χ^2/NDF: 64.9/61

In: 0.026+/-0.027 χ^2/NDF:49.5/51

Out: -0.030+/-0.025 χ^2/NDF:69.8/56

All: -0.004+/-0.018 χ^2/NDF: 121.6/108



Right In: 116.027+/-0.021 χ^2/NDF: 2165204.2/28

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

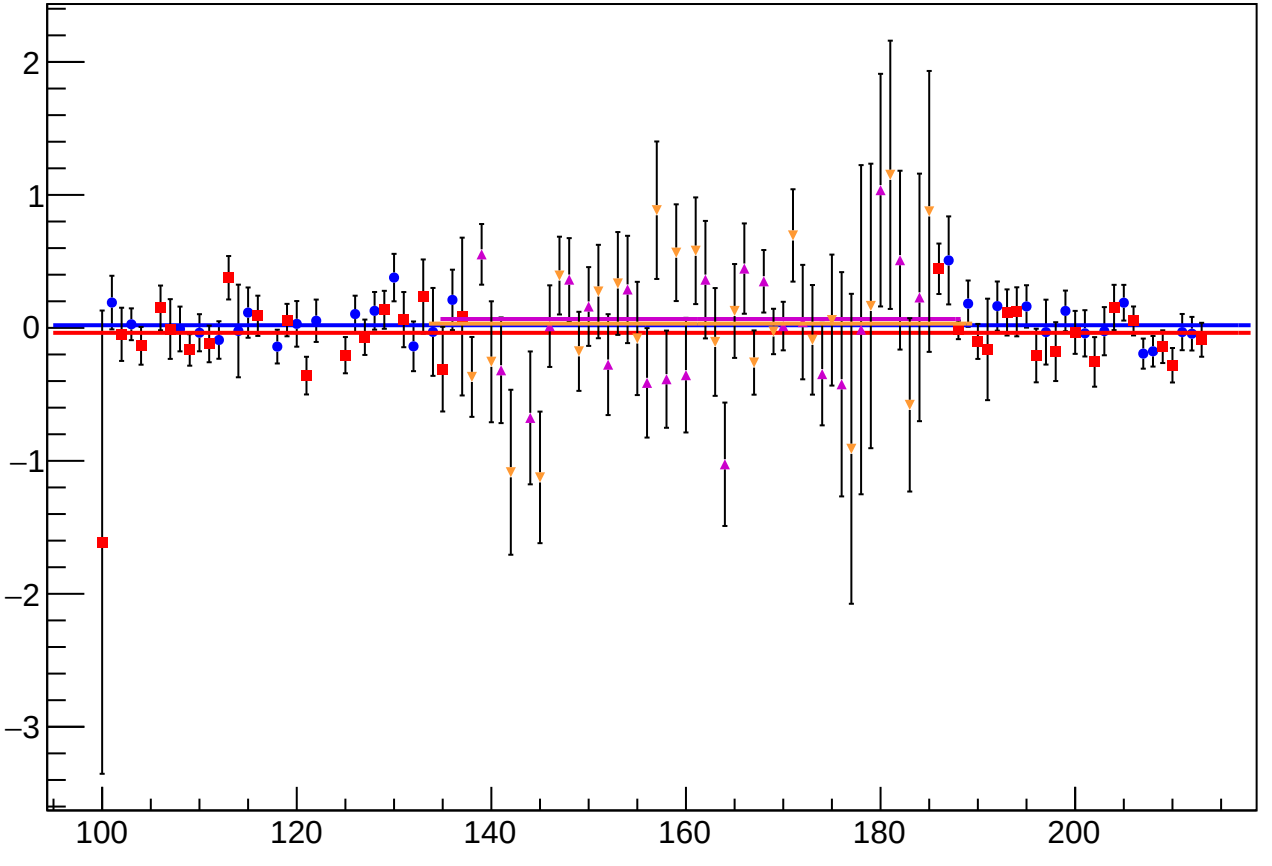
Right: 109.703+/-0.014 χ^2/NDF: 5960337.8/61

In: 139.694+/-0.019 χ^2/NDF:16833777.0/51

Out: 125.148+/-0.018 χ^2/NDF:20424219.8/56

All: 131.727+/-0.013 χ^2/NDF: 37566824.4/10

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.029 χ^2/NDF: 23.5/28

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

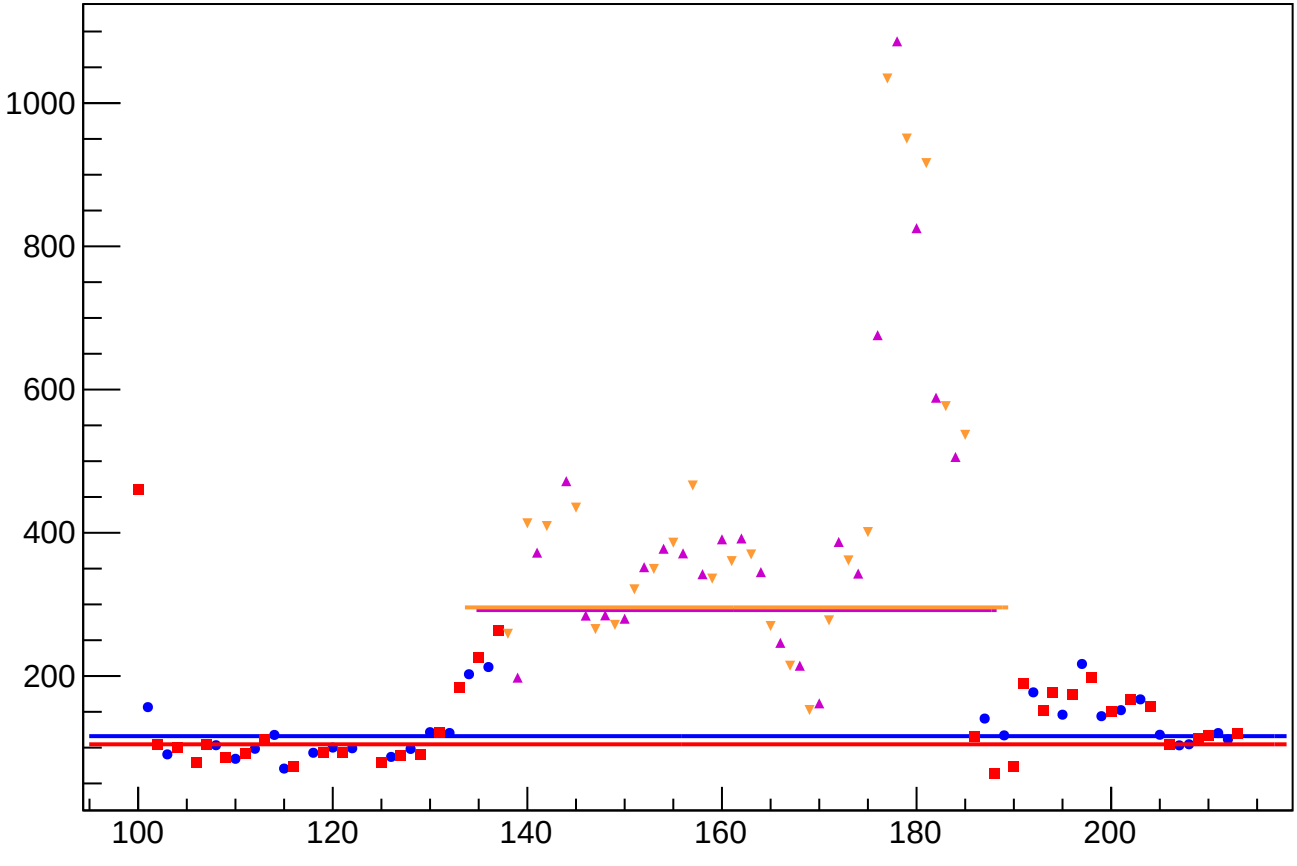
Right: -0.012+/-0.020 χ^2/NDF: 64.9/61

In: 0.026+/-0.027 χ^2/NDF:49.5/51

Out: -0.030+/-0.025 χ^2/NDF:69.8/56

All: -0.004+/-0.018 χ^2/NDF: 121.6/108

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.027+/-0.021 χ^2/NDF: 2165204.2/28

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

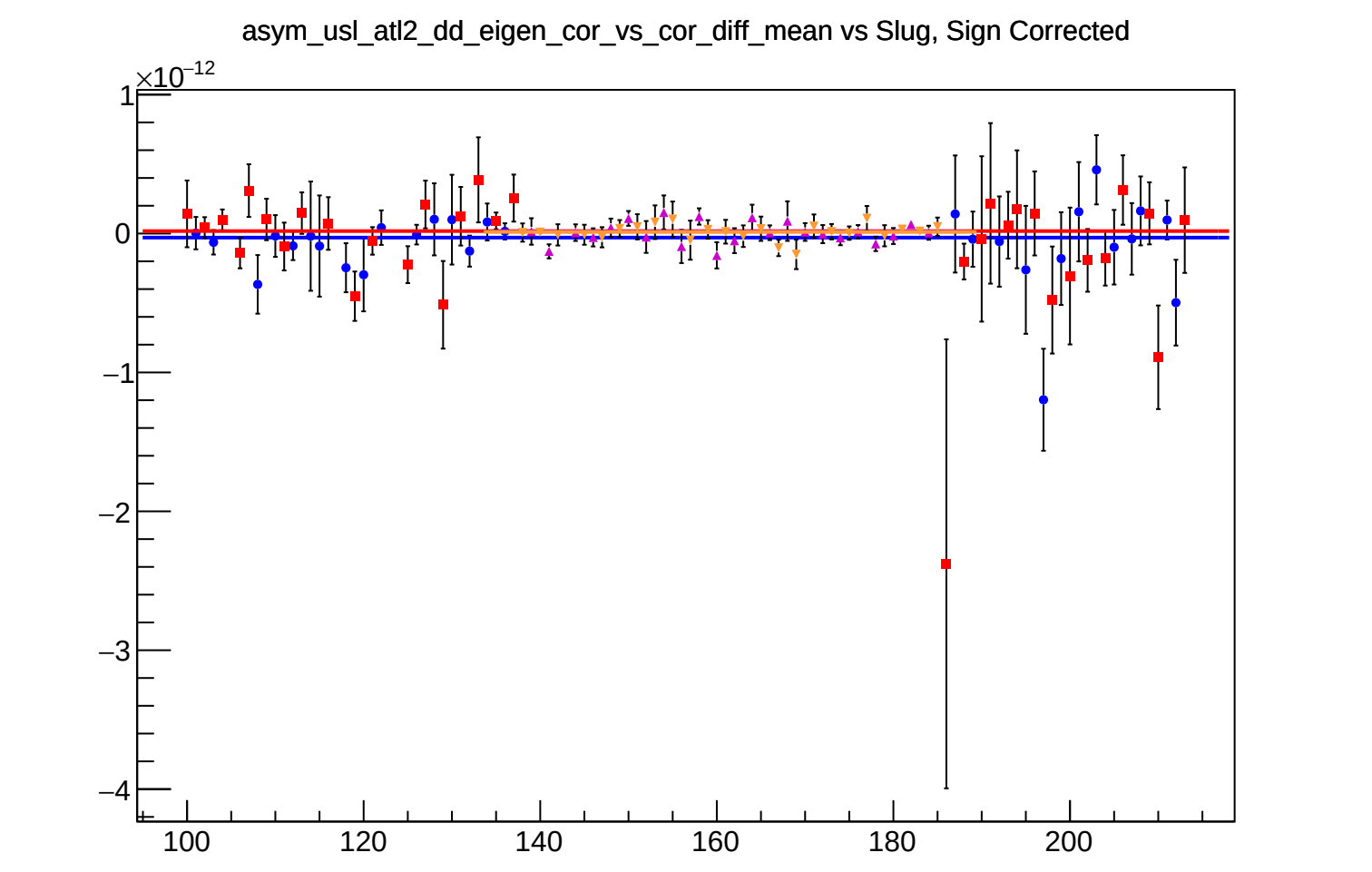
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 109.703+/-0.014 χ^2/NDF: 5960337.8/61

In: 139.694+/-0.019 χ^2/NDF:16833777.0/51

Out: 125.148+/-0.018 χ^2/NDF:20424219.8/56

All: 131.727+/-0.013 χ^2/NDF: 37566824.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/28

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

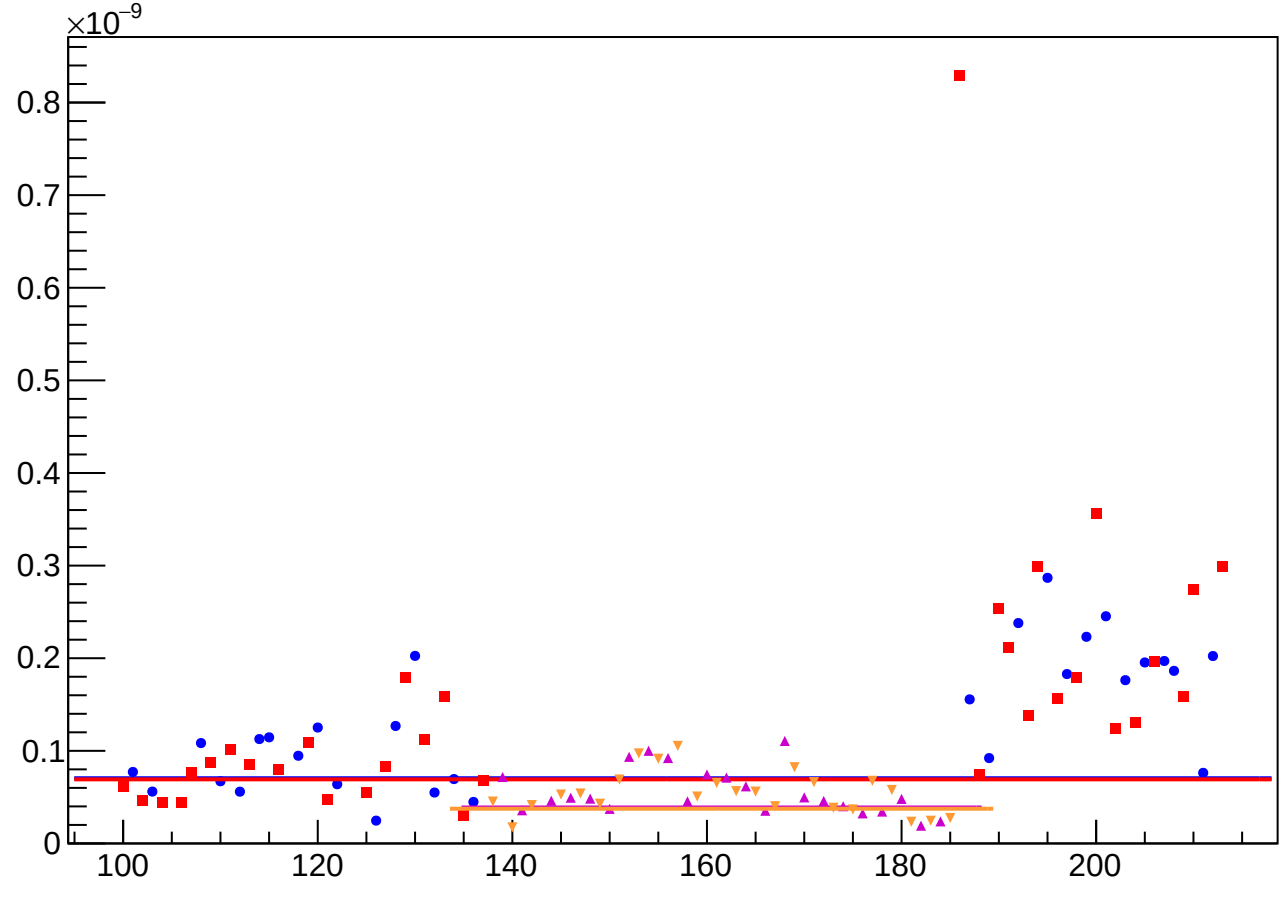
Right: -0.000+/-0.000 χ^2/NDF: 73.5/61

In: 0.000+/-0.000 χ^2/NDF:60.3/51

Out: 0.000+/-0.000 χ^2/NDF:55.4/56

All: 0.000+/-0.000 χ^2/NDF: 115.8/108

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6283286.6/28

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

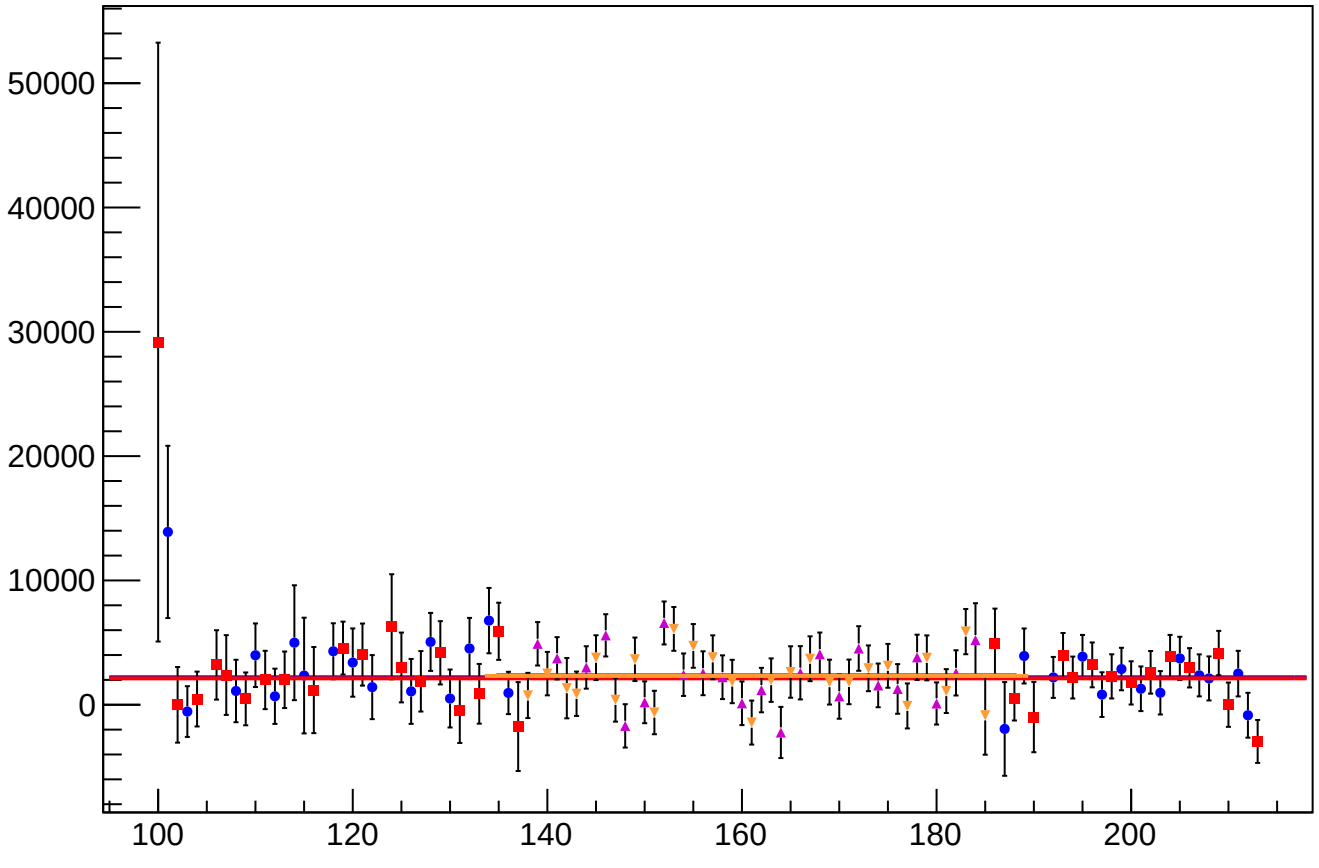
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 13507607.9/61

In: 0.000+/-0.000 χ^2/NDF:13089355.1/51

Out: 0.000+/-0.000 χ^2/NDF:14575218.7/56

All: 0.000+/-0.000 χ^2/NDF: 27676039.9/108



Right In: 2206.670+/-395.792 χ^2/NDF: 21.9/28

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

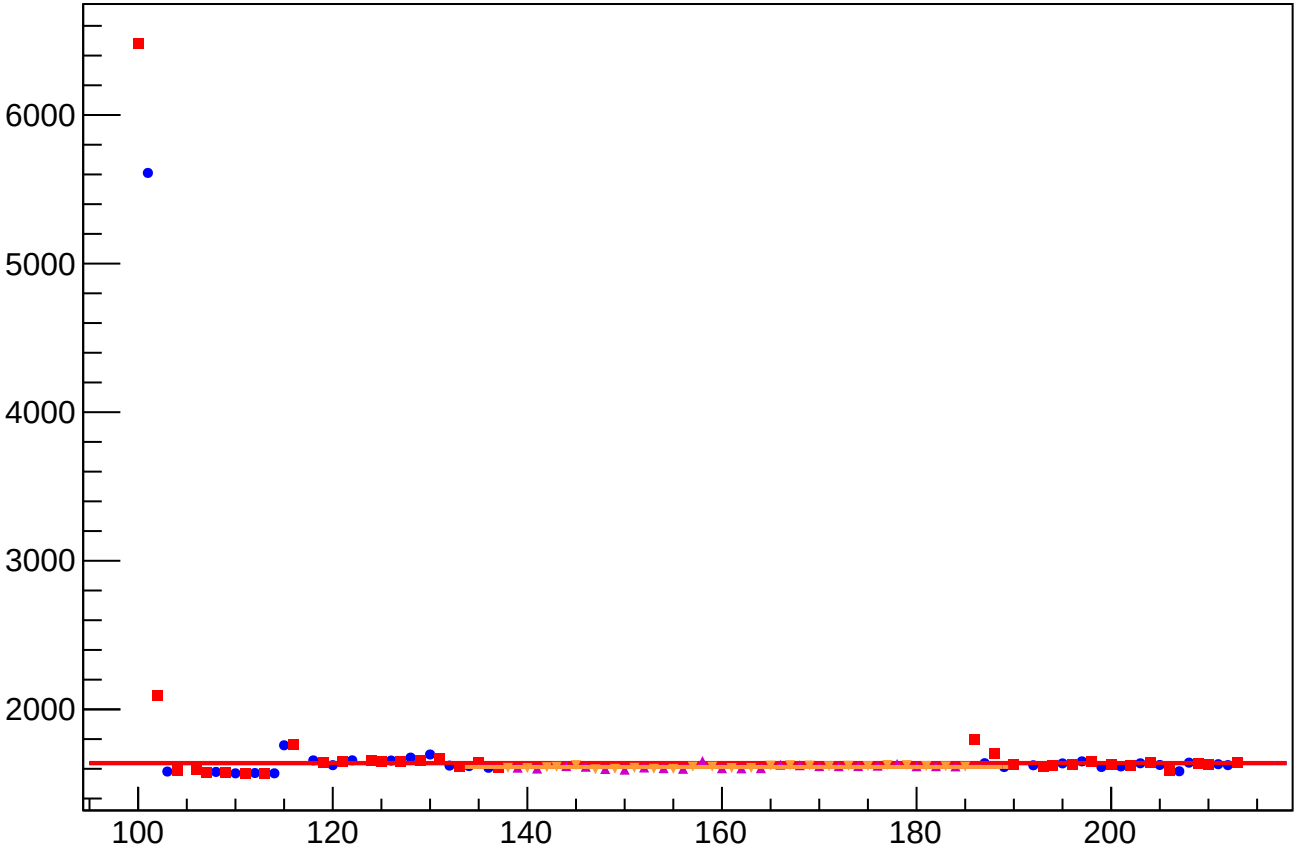
Right: 2164.800+/-274.301 χ^2/NDF: 51.0/61

In: 2292.678+/-272.904 χ^2/NDF:55.7/51

Out: 2227.290+/-263.891 χ^2/NDF:56.7/57

All: 2258.887+/-189.706 χ^2/NDF: 112.5/109

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1637.366+/-0.280 χ^2/NDF: 671550.4/28

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

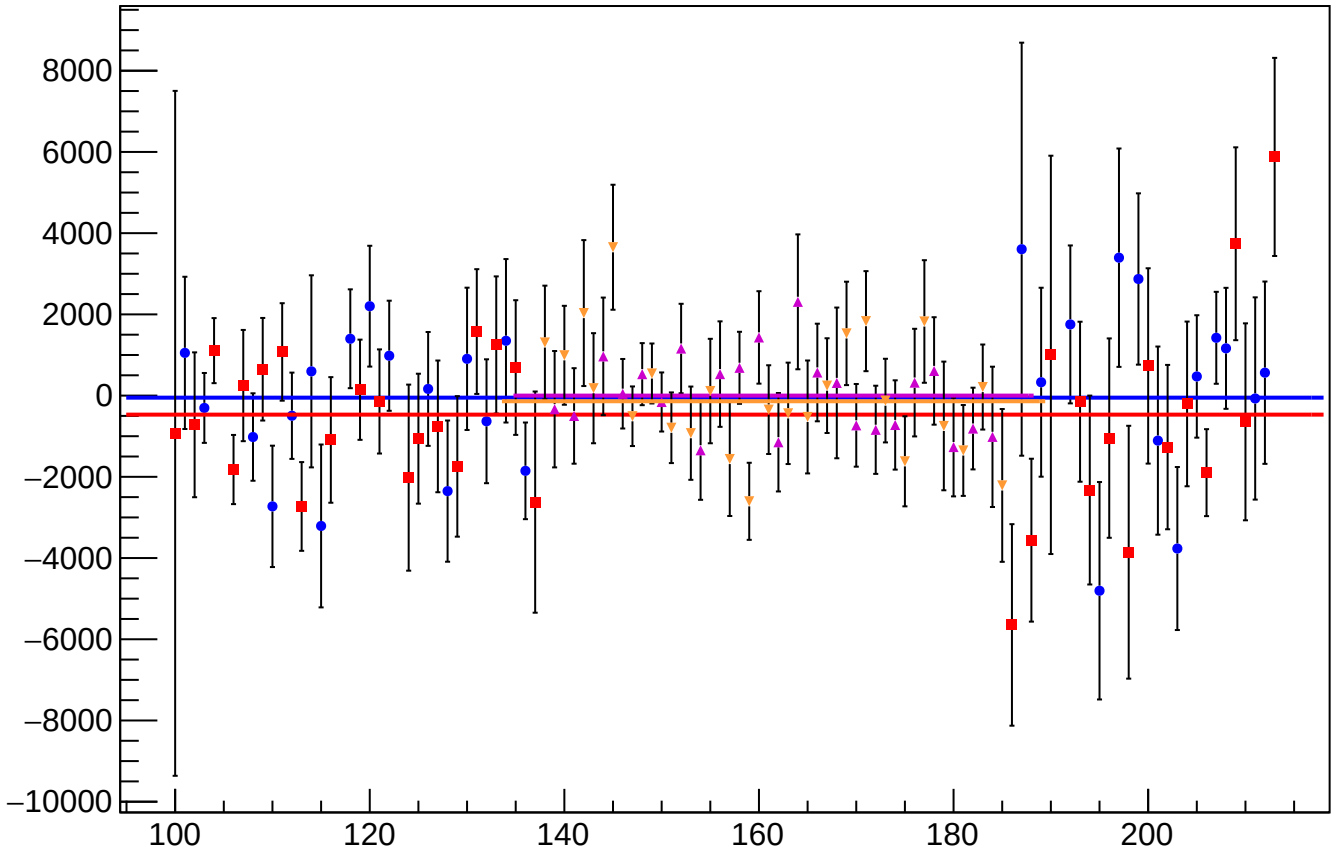
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1638.533+/-0.194 χ^2/NDF: 820356.3/61

In: 1625.001+/-0.193 χ^2/NDF:677626.8/51

Out: 1625.596+/-0.187 χ^2/NDF:155173.2/57

All: 1625.308+/-0.134 χ^2/NDF: 832804.9/109



Right In: -50.507+/-289.471 χ^2/NDF: 30.8/28

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -468.559+/-272.964 χ^2/NDF: 39.8/32

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

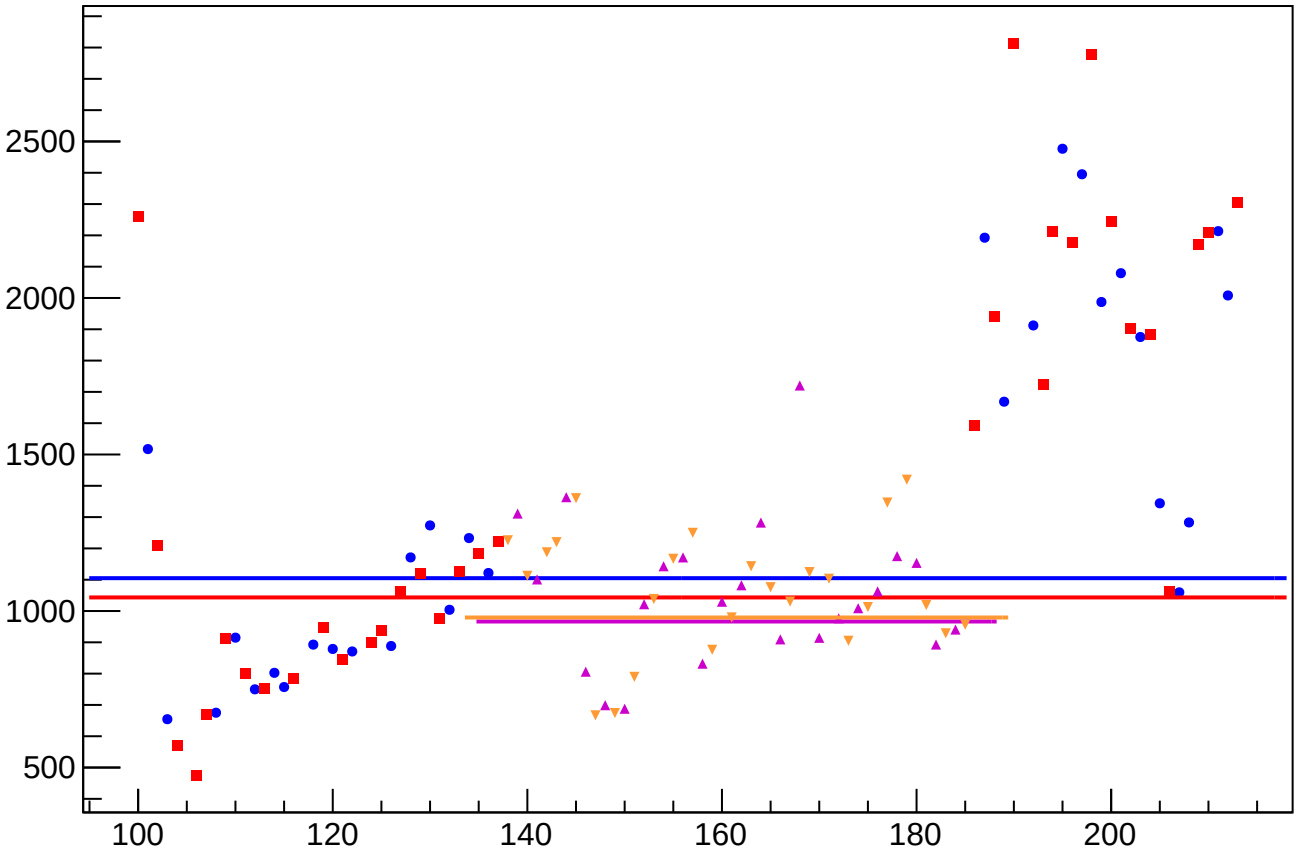
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -271.792+/-198.594 χ^2/NDF: 71.7/61

In: -19.800+/-180.986 χ^2/NDF:43.7/51

Out: -275.236+/-175.495 χ^2/NDF:70.8/57

All: -151.452+/-125.990 χ^2/NDF: 115.5/109



Right In: 1104.967+/-0.205 χ^2/NDF: 4905150.0/28

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

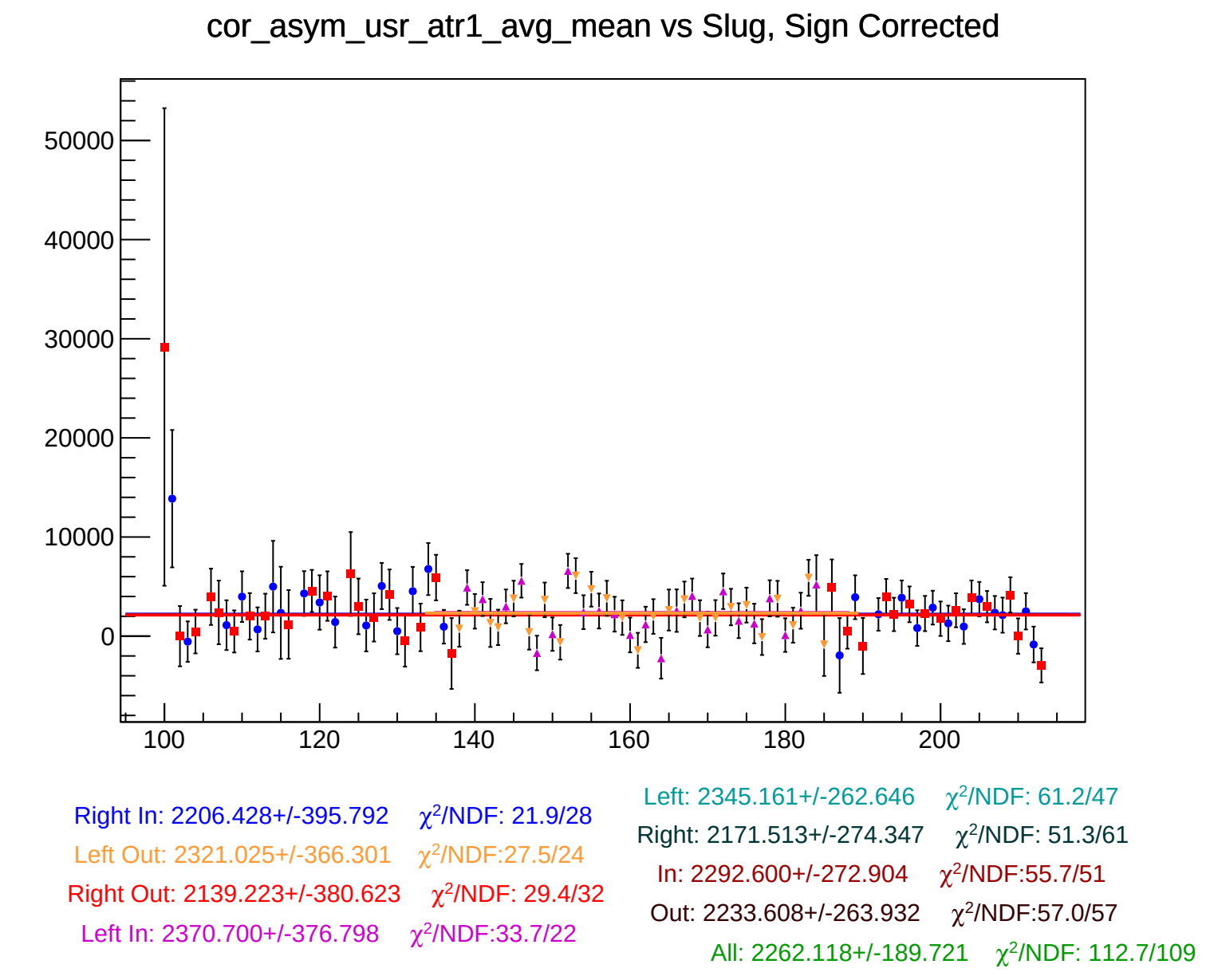
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 1072.374+/-0.140 χ^2/NDF: 12364322.6/61

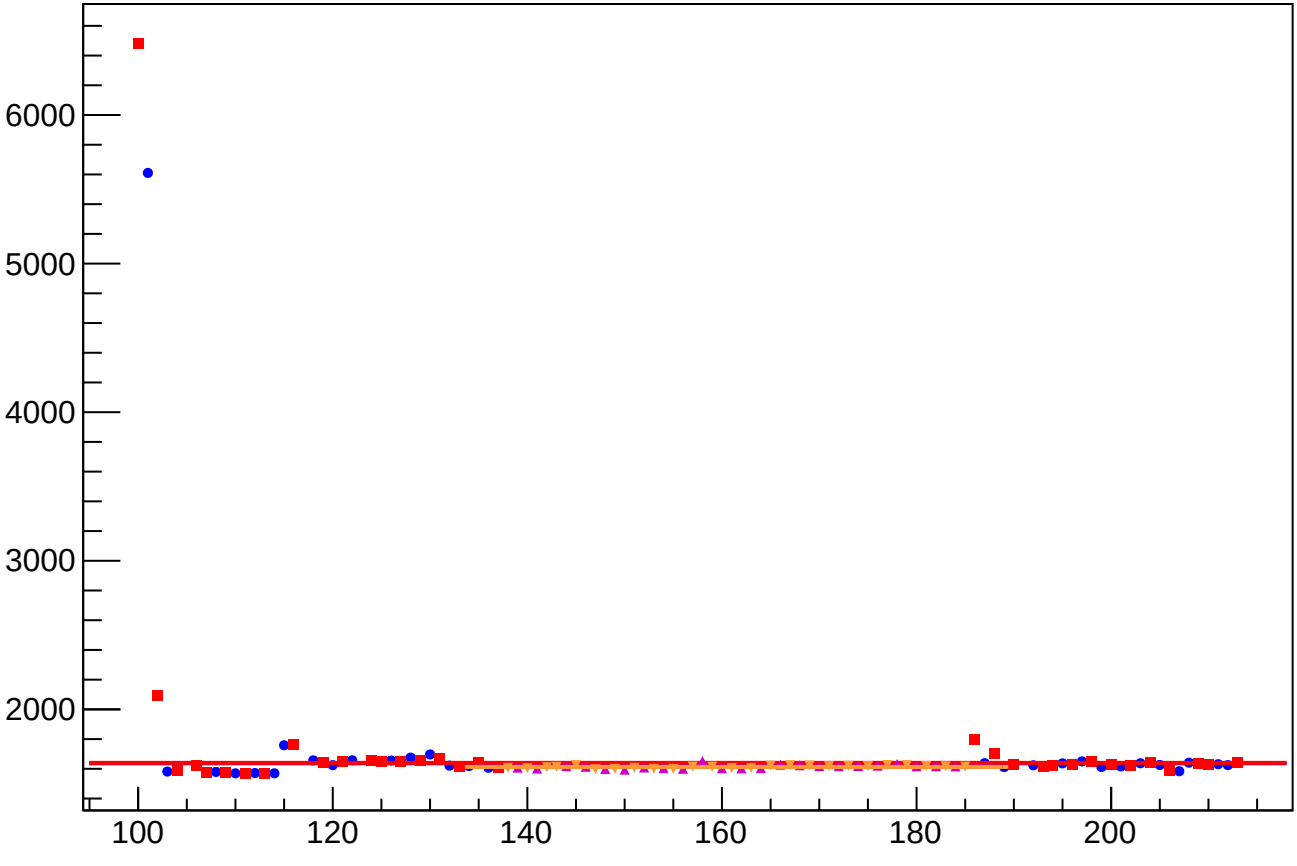
In: 1020.645+/-0.128 χ^2/NDF:6786376.9/51

Out: 1005.789+/-0.124 χ^2/NDF:9106587.9/57

All: 1012.988+/-0.089 χ^2/NDF: 15899909.8/1


cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
100
120
140
160
180
200
Right In: 2206.428+/-395.792 χ²/NDF: 21.9/28
Left Out: 2321.025+/-366.301 χ²/NDF:27.5/24
Right Out: 2139.223+/-380.623 χ²/NDF: 29.4/32
Left In: 2370.700+/-376.798 χ²/NDF:33.7/22
Left: 2345.161+/-262.646 χ²/NDF: 61.2/47
Right: 2171.513+/-274.347 χ²/NDF: 51.3/61
In: 2292.600+/-272.904 χ²/NDF:55.7/51
Out: 2233.608+/-263.932 χ²/NDF:57.0/57
All: 2262.118+/-189.721 χ²/NDF: 112.7/109

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1637.366+/-0.280 χ^2/NDF: 671550.0/28

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

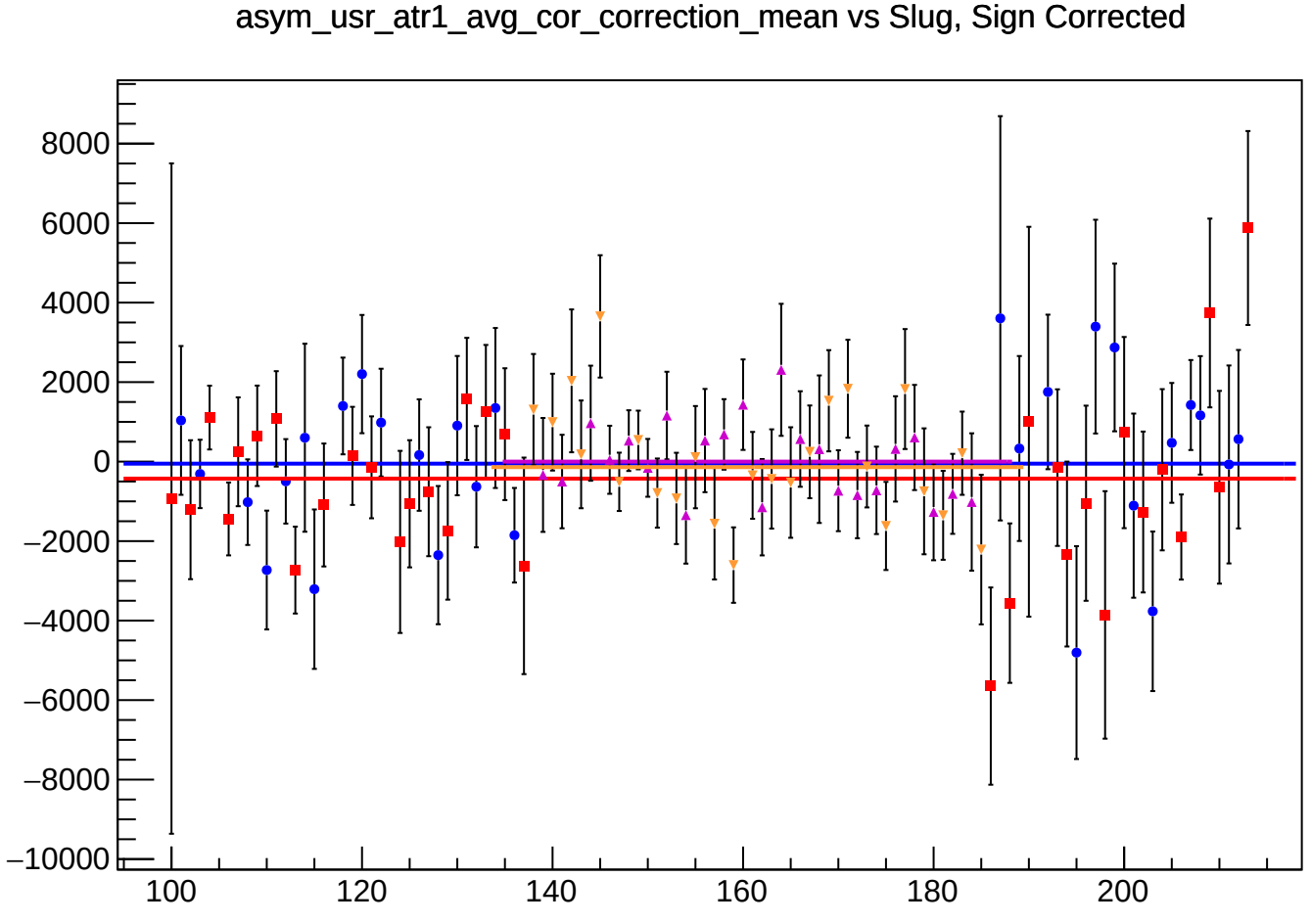
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1638.795+/-0.194 χ^2/NDF: 819916.8/61

In: 1625.001+/-0.193 χ^2/NDF:677626.3/51

Out: 1625.835+/-0.187 χ^2/NDF:154913.1/57

All: 1625.432+/-0.134 χ^2/NDF: 832549.0/109



Right In: -51.493+/-289.444 χ^2/NDF: 30.8/28

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

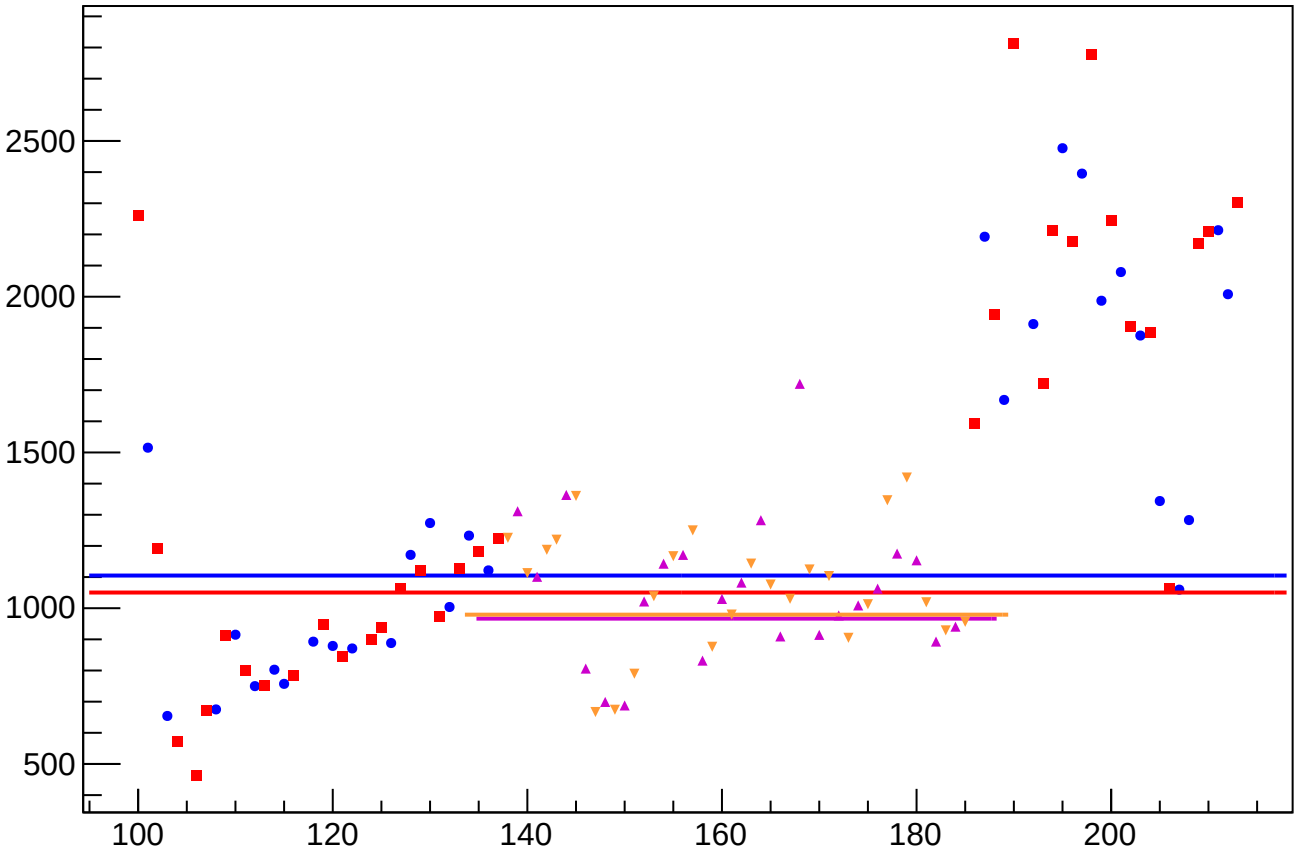
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -249.511+/-199.288 χ^2/NDF: 70.2/61

In: -20.173+/-180.980 χ^2/NDF:43.7/51

Out: -257.562+/-175.979 χ^2/NDF:69.4/57

All: -142.193+/-126.167 χ^2/NDF: 113.9/109



Right In: 1104.856+/-0.205 χ^2/NDF: 4905863.3/28

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

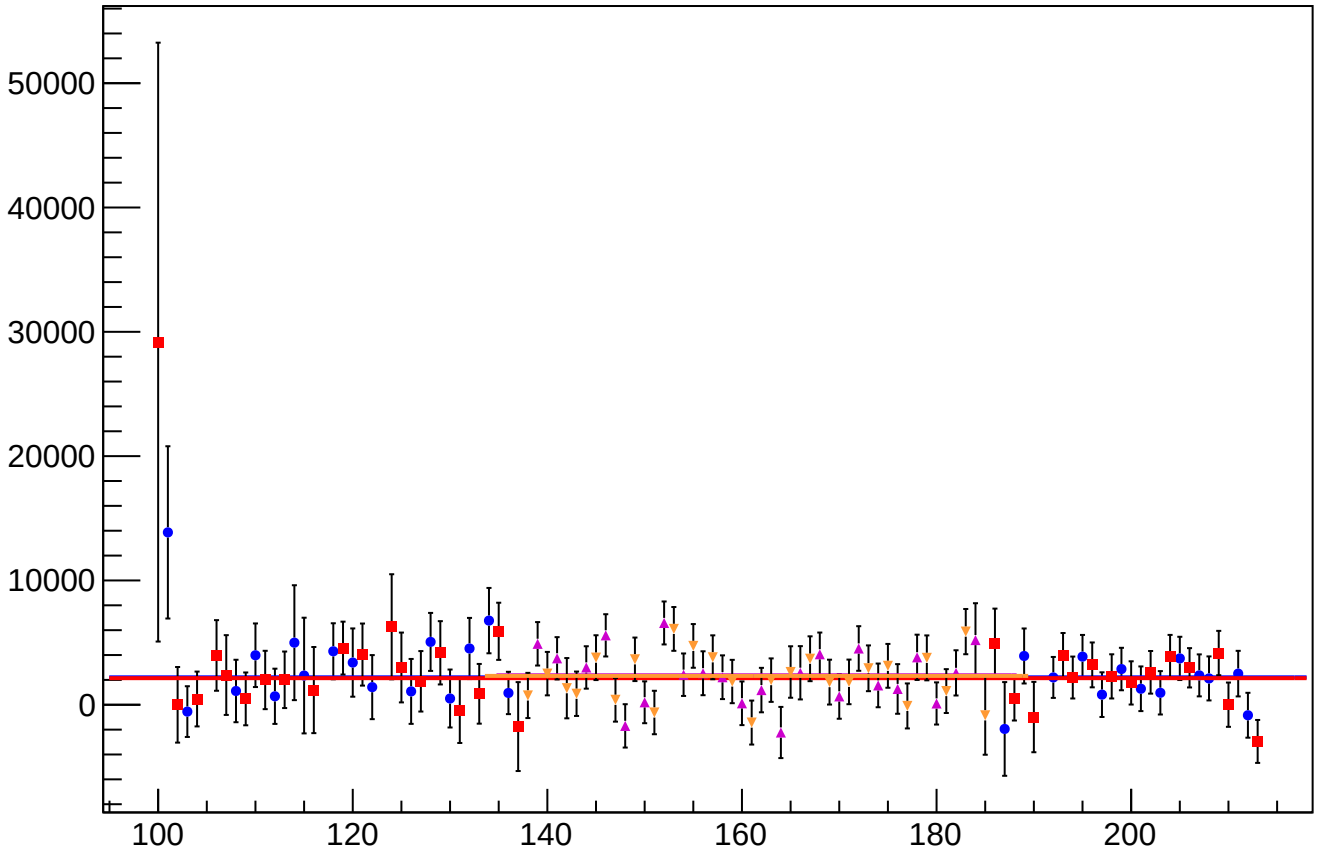
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1076.183+/-0.141 χ^2/NDF: 12256134.8/61

In: 1020.611+/-0.128 χ^2/NDF:6786616.3/51

Out: 1008.426+/-0.124 χ^2/NDF:9022554.3/57

All: 1014.348+/-0.089 χ^2/NDF: 15813830.4/1



Right In: 2206.428+/-395.792 χ^2/NDF: 21.9/28

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

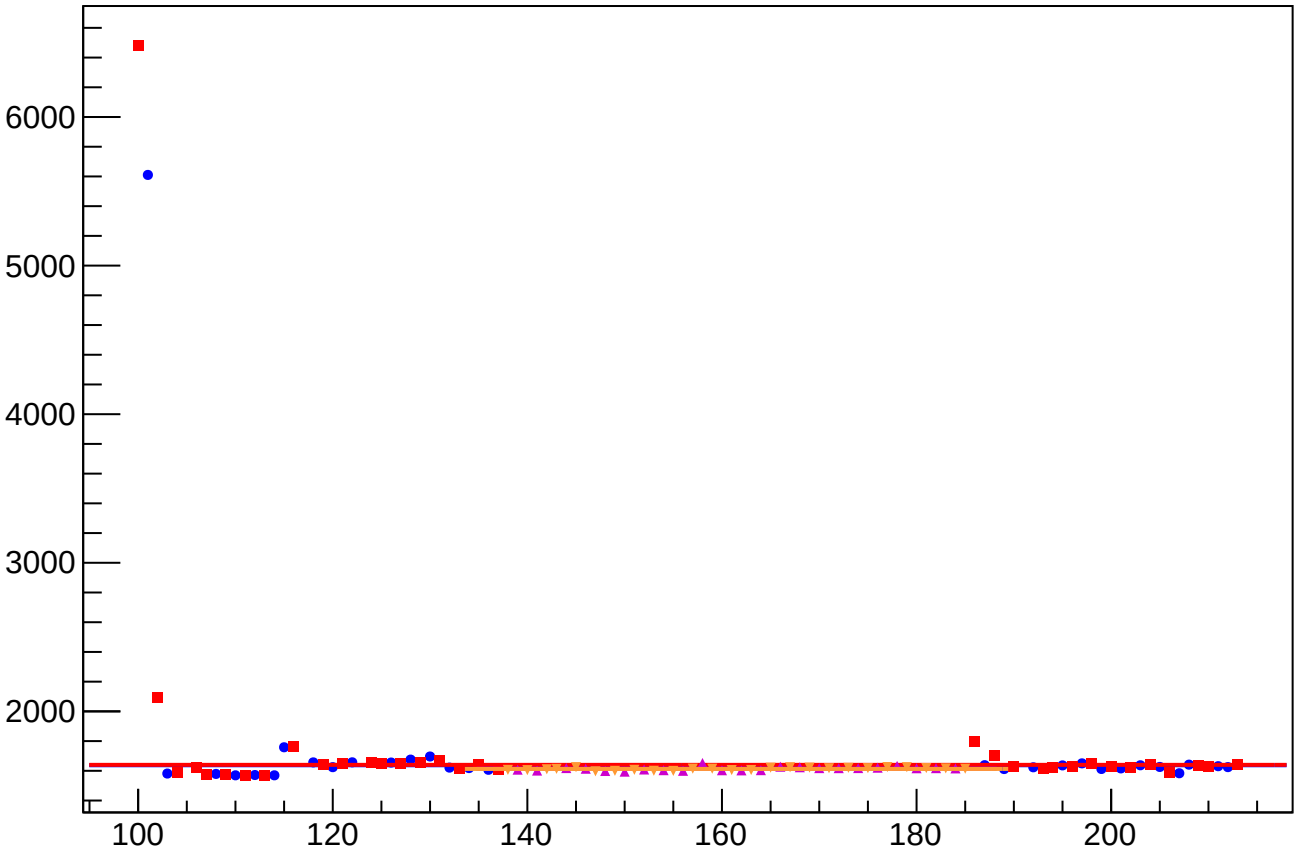
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2171.513+/-274.347 χ^2/NDF: 51.3/61

In: 2292.600+/-272.904 χ^2/NDF:55.7/51

Out: 2233.608+/-263.932 χ^2/NDF:57.0/57

All: 2262.118+/-189.721 χ^2/NDF: 112.7/109



Right In: 1637.366+/-0.280 χ^2/NDF: 671550.0/28

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

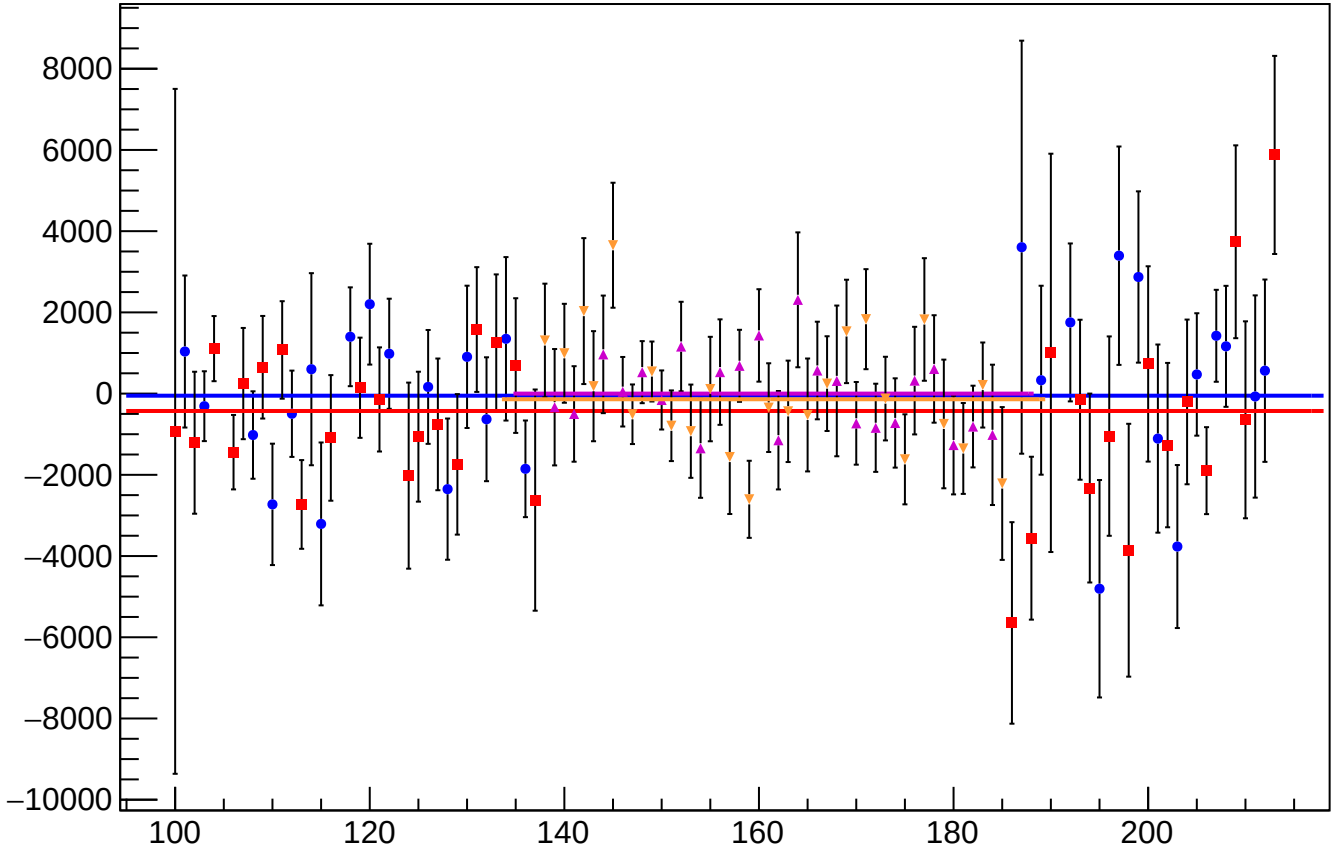
Right: 1638.795+/-0.194 χ^2/NDF: 819916.8/61

In: 1625.001+/-0.193 χ^2/NDF:677626.3/51

Out: 1625.835+/-0.187 χ^2/NDF:154913.1/57

All: 1625.432+/-0.134 χ^2/NDF: 832549.0/109

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -51.493+/-289.444 χ^2/NDF: 30.8/28

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

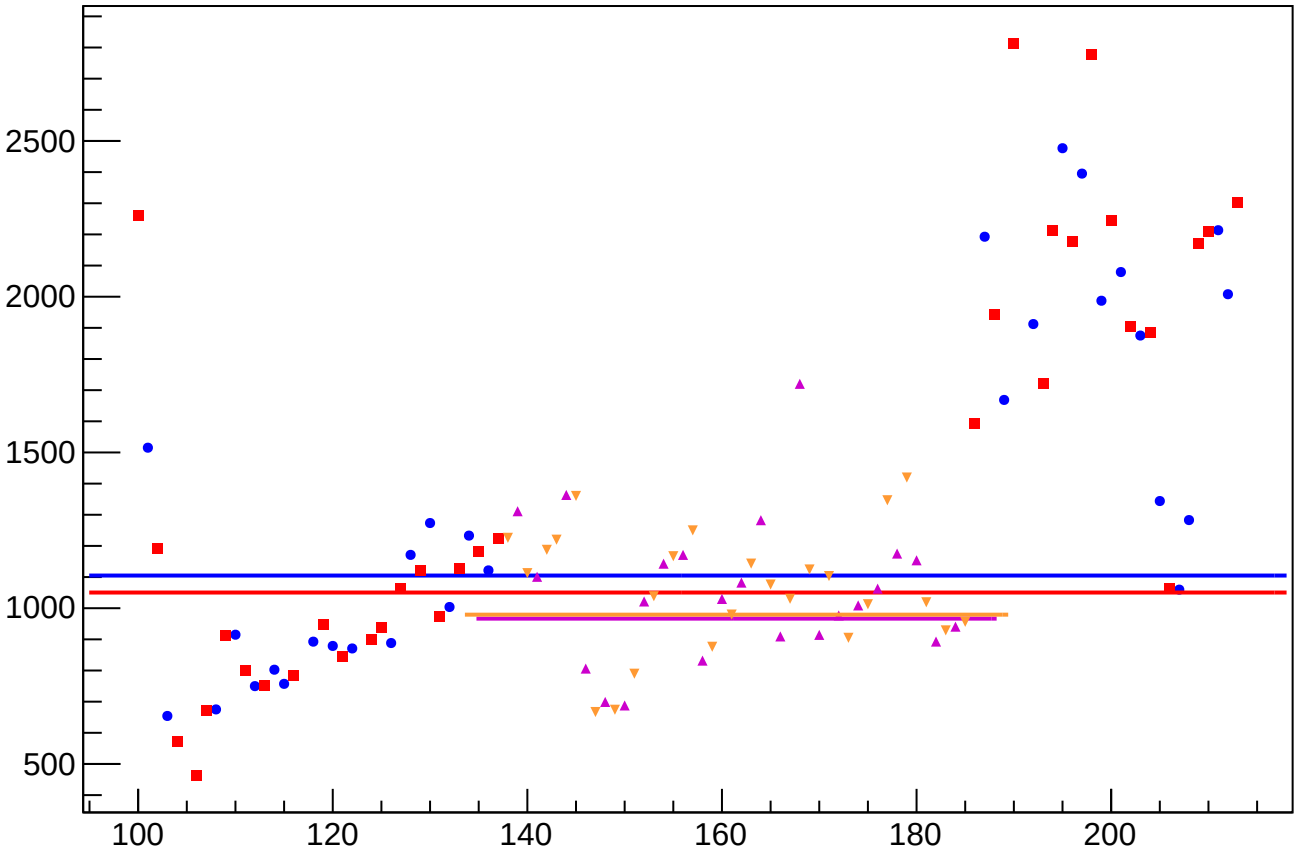
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -249.511+/-199.288 χ^2/NDF: 70.2/61

In: -20.173+/-180.980 χ^2/NDF:43.7/51

Out: -257.562+/-175.979 χ^2/NDF:69.4/57

All: -142.193+/-126.167 χ^2/NDF: 113.9/109



Right In: 1104.856+/-0.205 χ^2/NDF: 4905863.3/28

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

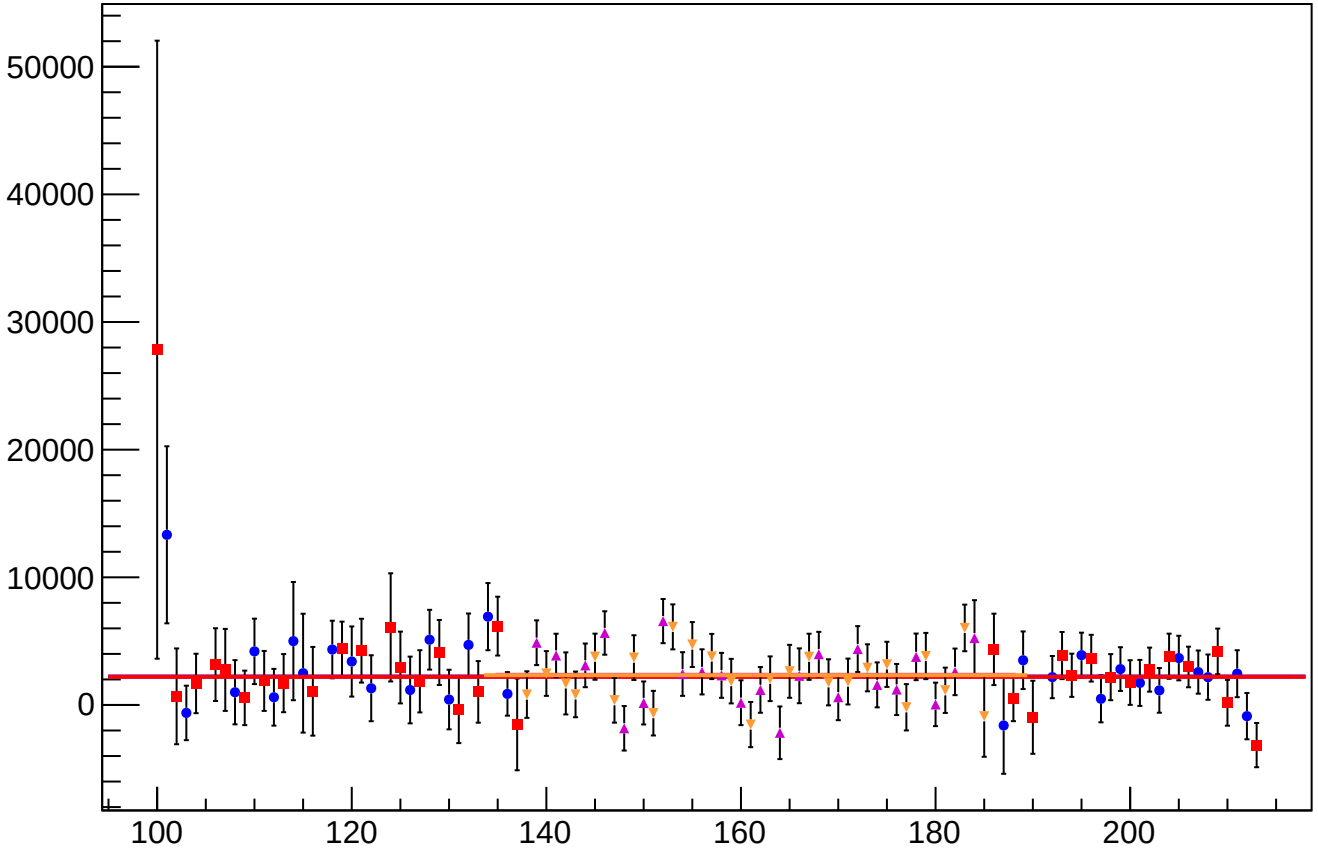
Right: 1076.183+/-0.141 χ^2/NDF: 12256134.8/61

In: 1020.611+/-0.128 χ^2/NDF:6786616.3/51

Out: 1008.426+/-0.124 χ^2/NDF:9022554.3/57

All: 1014.348+/-0.089 χ^2/NDF: 15813830.4/

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2228.068+/-398.143 χ^2/NDF: 21.8/28

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

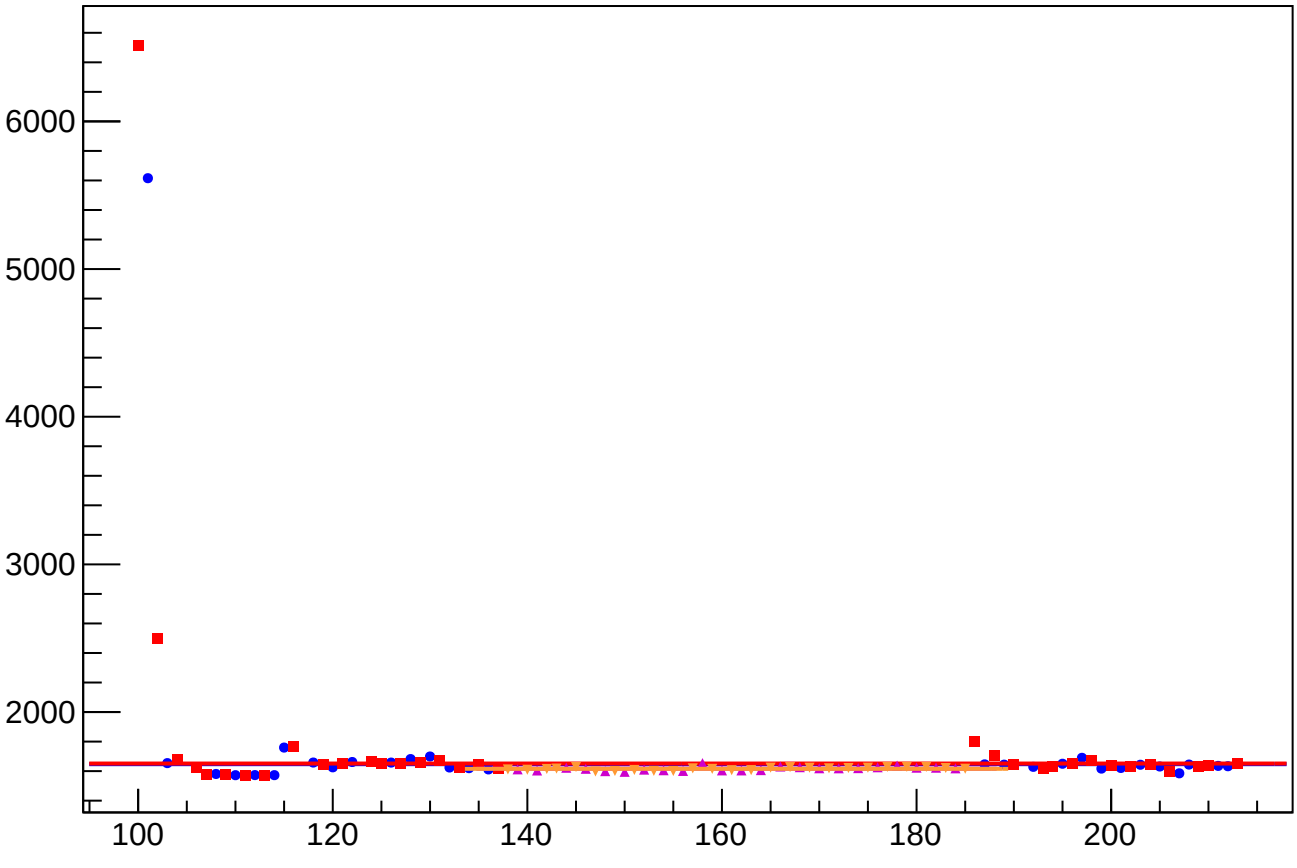
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2215.382+/-276.365 χ^2/NDF: 50.0/61

In: 2297.712+/-273.902 χ^2/NDF:55.8/51

Out: 2272.171+/-265.286 χ^2/NDF:56.6/57

All: 2284.534+/-190.559 χ^2/NDF: 112.4/109



Right In: 1646.988+/-0.282 χ^2/NDF: 670188.2/28

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

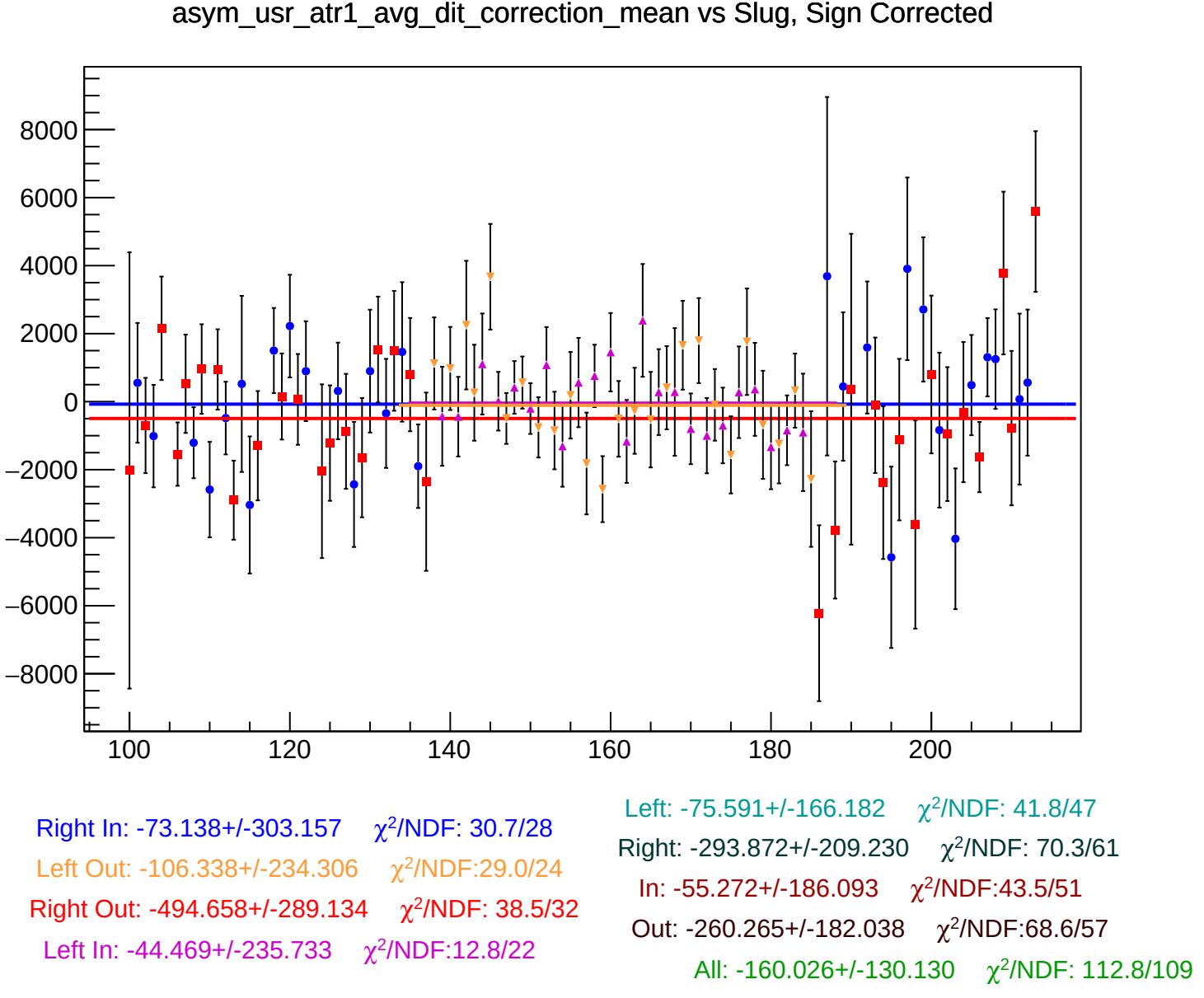
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

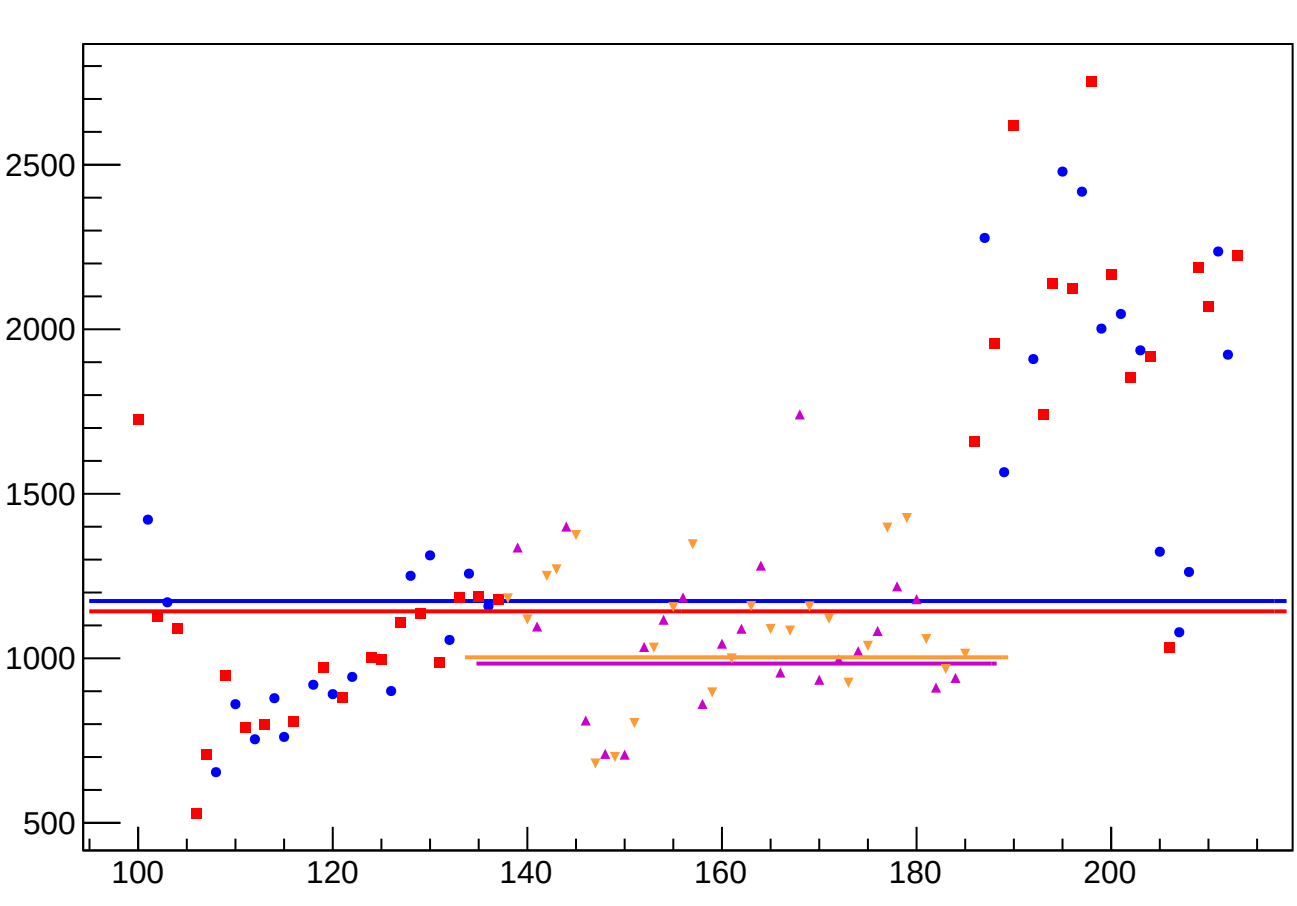
Right: 1649.253+/-0.195 χ^2/NDF: 875877.0/61

In: 1630.856+/-0.194 χ^2/NDF:678979.7/51

Out: 1632.691+/-0.188 χ^2/NDF:216060.7/57

All: 1631.803+/-0.135 χ^2/NDF: 895086.8/109


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: -73.138+/-303.157 χ²/NDF: 30.7/28
Left Out: -106.338+/-234.306 χ²/NDF:29.0/24
Right Out: -494.658+/-289.134 χ²/NDF: 38.5/32
Left In: -44.469+/-235.733 χ²/NDF:12.8/22
Left: -75.591+/-166.182 χ²/NDF: 41.8/47
Right: -293.872+/-209.230 χ²/NDF: 70.3/61
In: -55.272+/-186.093 χ²/NDF:43.5/51
Out: -260.265+/-182.038 χ²/NDF:68.6/57
All: -160.026+/-130.130 χ²/NDF: 112.8/109



Right In: 1174.103+/-0.214 χ^2/NDF: 4219804.1/28

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

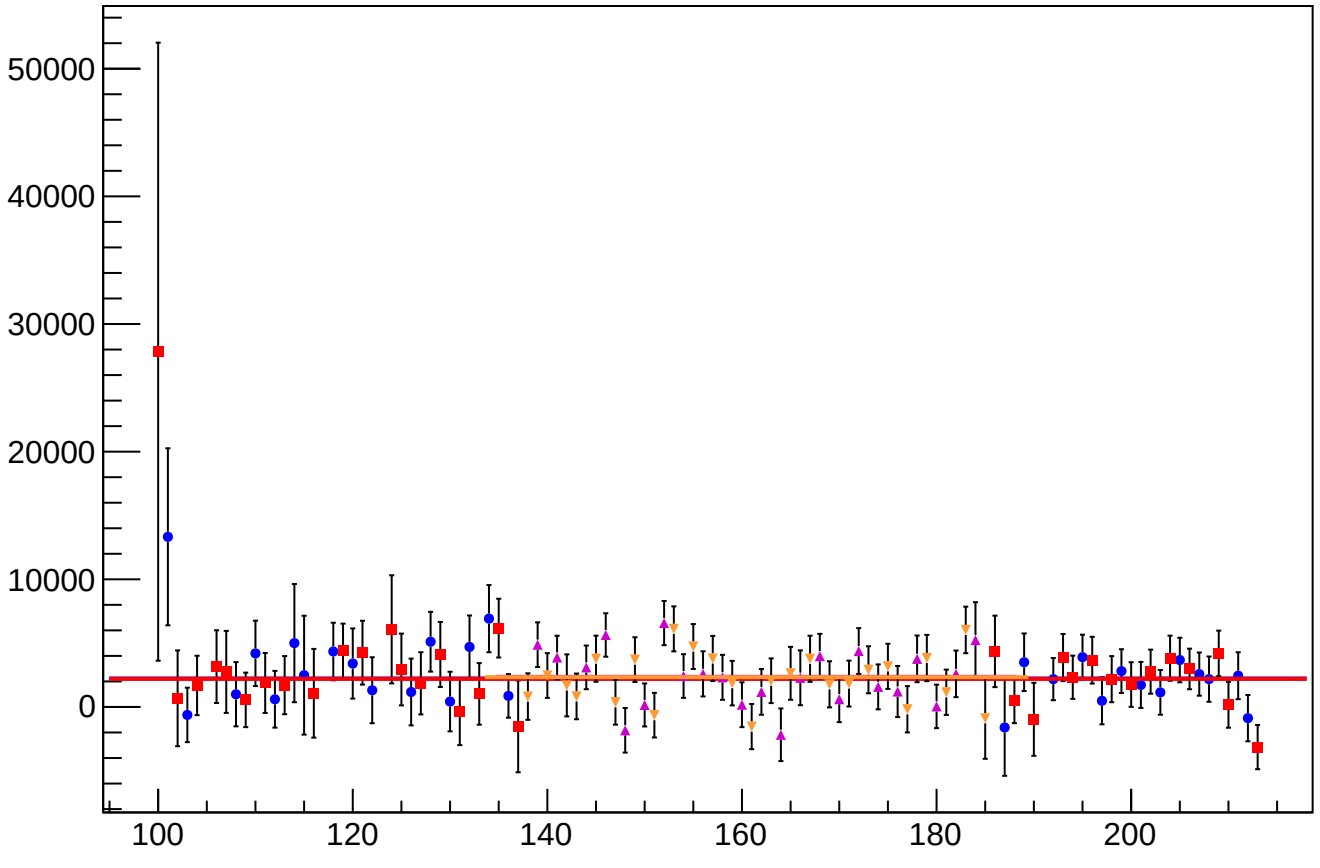
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1157.685+/-0.148 χ^2/NDF: 10119344.7/61

In: 1055.666+/-0.132 χ^2/NDF:6269196.6/51

Out: 1058.457+/-0.129 χ^2/NDF:7768381.9/57

All: 1057.092+/-0.092 χ^2/NDF: 14037808.4/



Right In: 2228.068+/-398.143 χ^2/NDF: 21.8/28

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

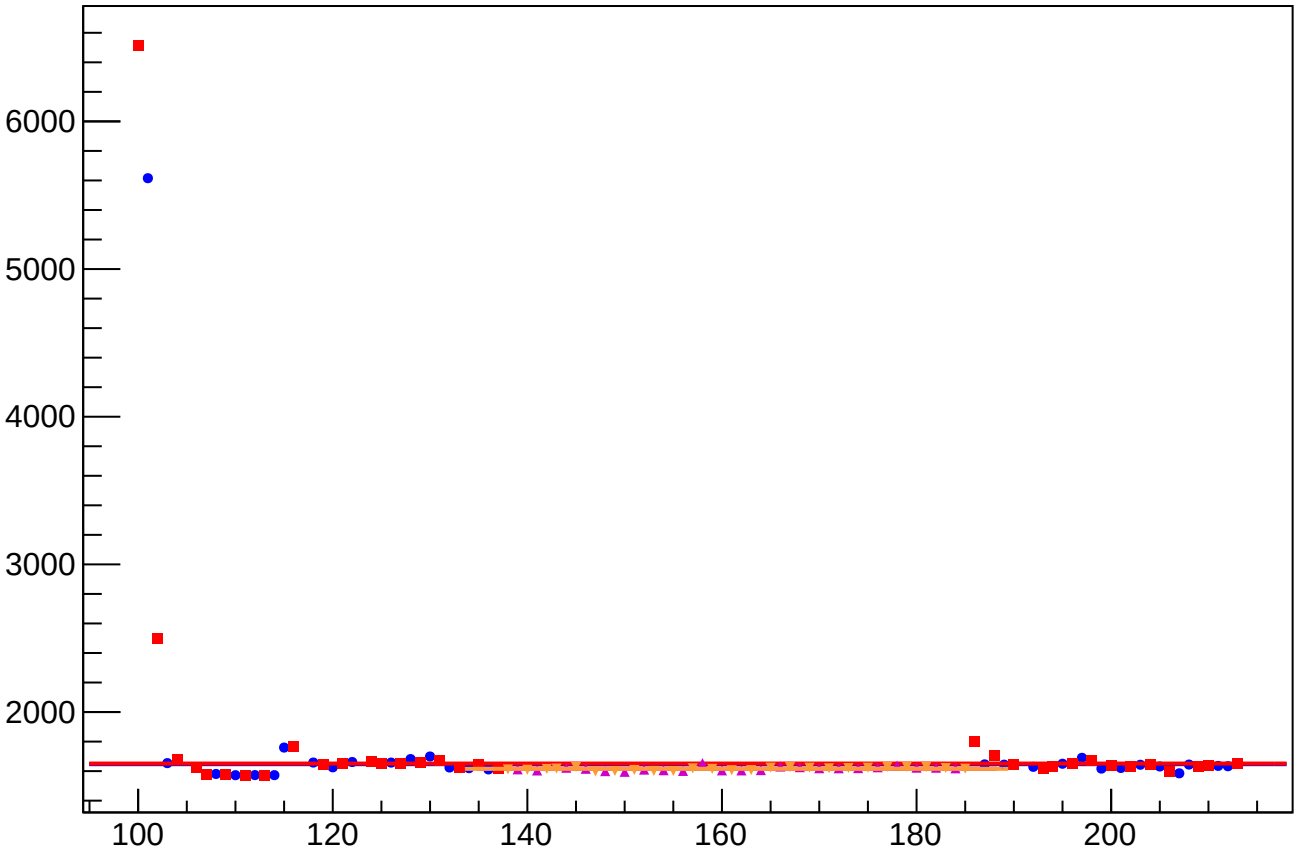
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2215.381+/-276.365 χ^2/NDF: 50.0/61

In: 2297.712+/-273.902 χ^2/NDF:55.8/51

Out: 2272.170+/-265.286 χ^2/NDF:56.6/57

All: 2284.533+/-190.559 χ^2/NDF: 112.4/109



Right In: 1646.988+/-0.282 χ^2/NDF: 670188.2/28

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

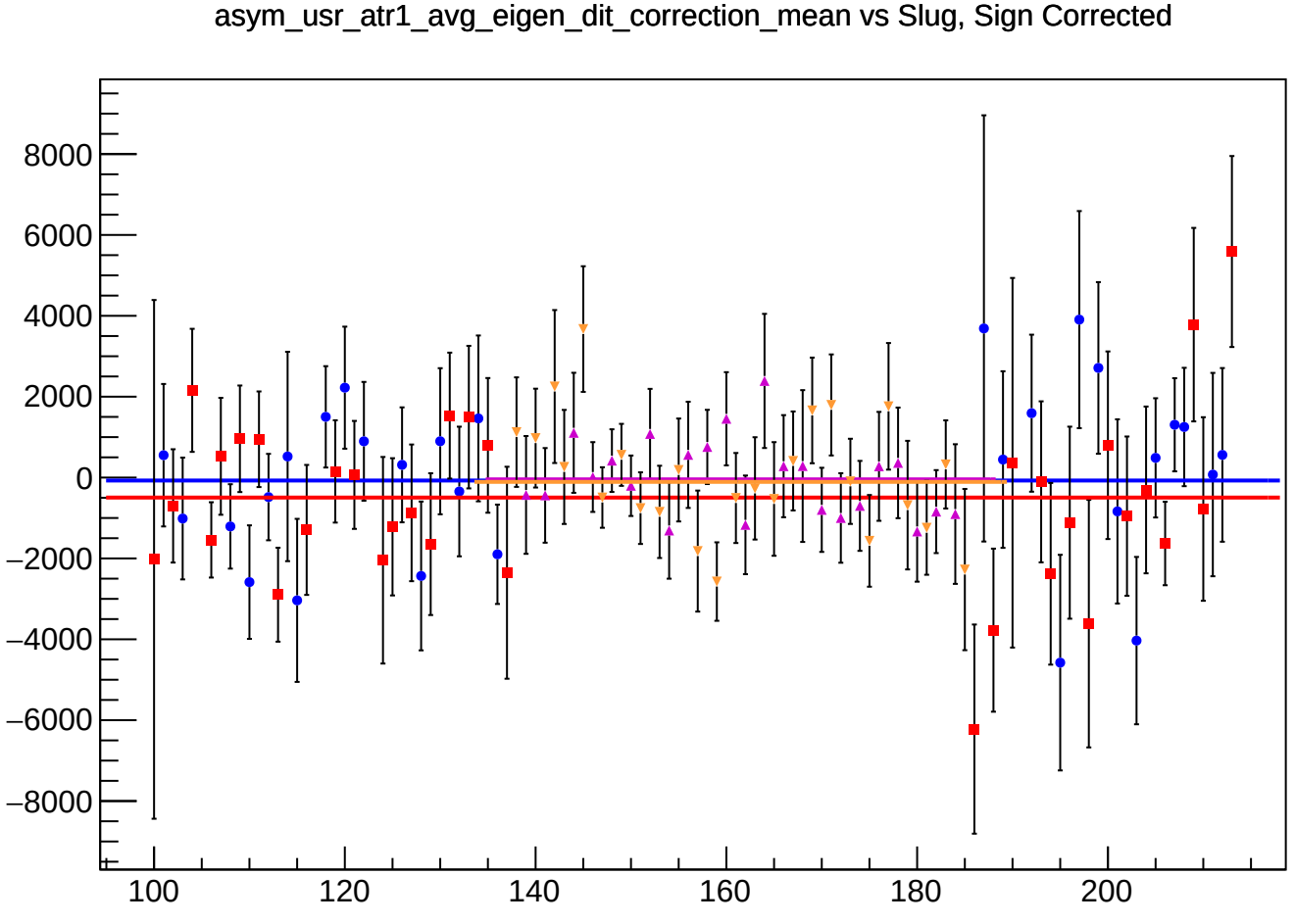
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

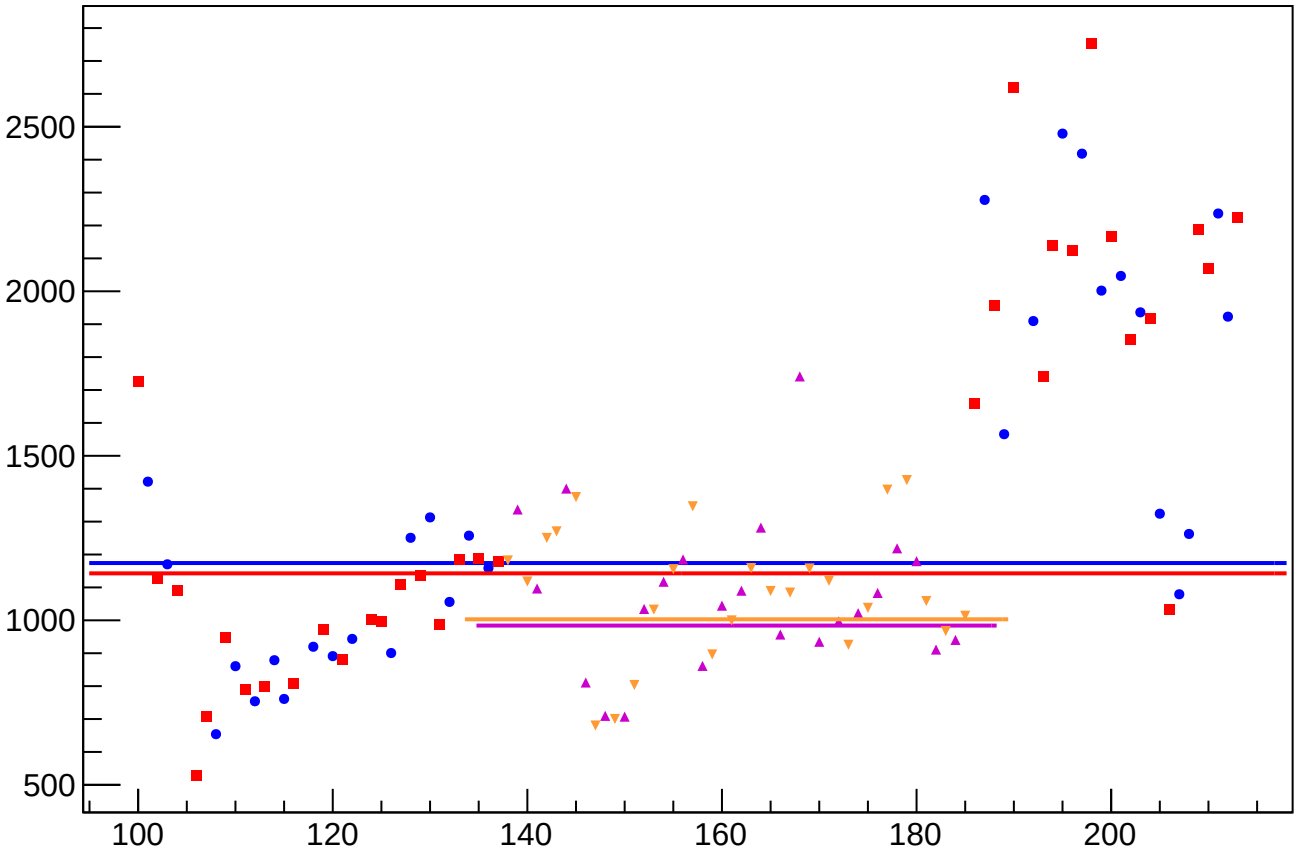
Right: 1649.253+/-0.195 χ^2/NDF: 875876.8/61

In: 1630.856+/-0.194 χ^2/NDF:678979.7/51

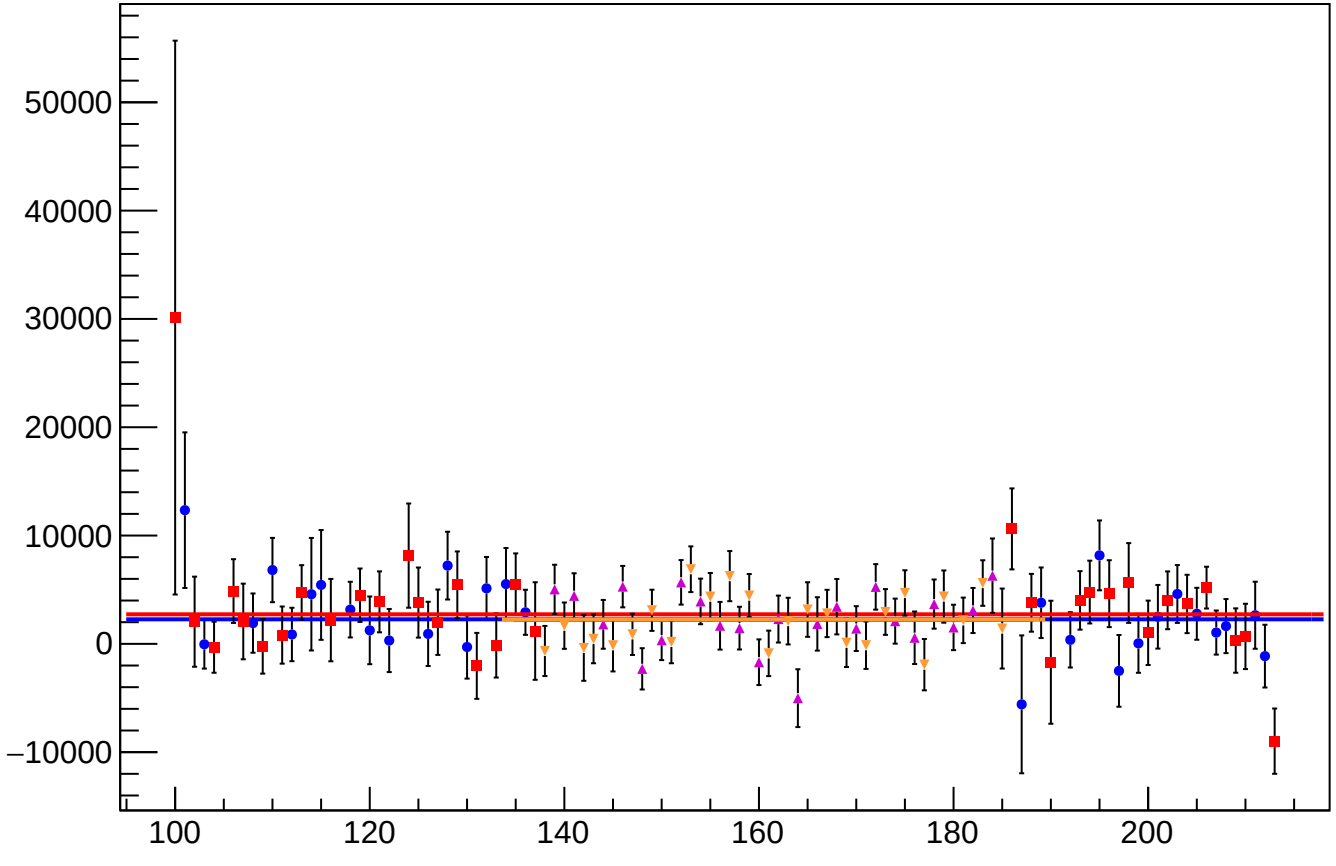
Out: 1632.691+/-0.188 χ^2/NDF:216060.5/57

All: 1631.803+/-0.135 χ^2/NDF: 895086.6/109


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: -73.139+/-303.156 χ²/NDF: 30.7/28
Left Out: -106.340+/-234.307 χ²/NDF:29.0/24
Right Out: -494.656+/-289.134 χ²/NDF: 38.5/32
Left In: -44.468+/-235.733 χ²/NDF:12.8/22
Left: -75.592+/-166.182 χ²/NDF: 41.8/47
Right: -293.872+/-209.230 χ²/NDF: 70.3/61
In: -55.272+/-186.093 χ²/NDF:43.5/51
Out: -260.266+/-182.038 χ²/NDF:68.6/57
All: -160.027+/-130.130 χ²/NDF: 112.8/109


asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1174.100+/-0.214 χ²/NDF: 4219853.3/28
Left Out: 1003.103+/-0.166 χ²/NDF:1598417.7/24
Right Out: 1142.749+/-0.204 χ²/NDF: 5888377.7/32
Left In: 984.055+/-0.167 χ²/NDF:1559563.7/22
Left: 993.637+/-0.118 χ²/NDF: 3164549.9/47
Right: 1157.683+/-0.148 χ²/NDF: 10119431.5/61
In: 1055.667+/-0.132 χ²/NDF:6269222.0/51
Out: 1058.458+/-0.129 χ²/NDF:7768403.0/57
All: 1057.093+/-0.092 χ²/NDF: 14037854.9/

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2266.314+/-534.449 χ^2/NDF: 23.5/28

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

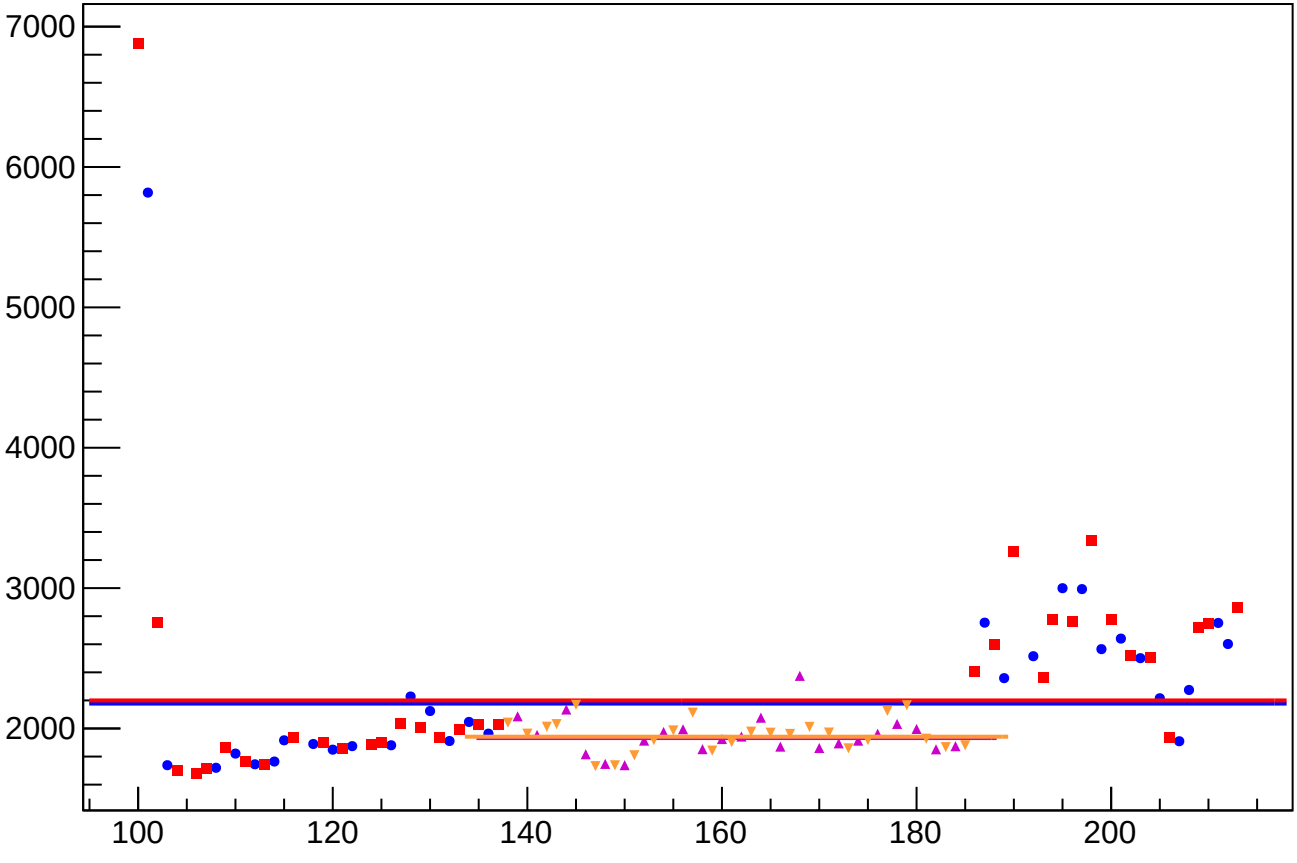
Right: 2502.451+/-373.304 χ^2/NDF: 62.7/61

In: 2238.978+/-345.250 χ^2/NDF:55.0/51

Out: 2451.011+/-337.318 χ^2/NDF:67.6/57

All: 2347.458+/-241.275 χ^2/NDF: 122.8/109

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2177.549+/-0.378 χ^2/NDF: 1464157.1/28

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

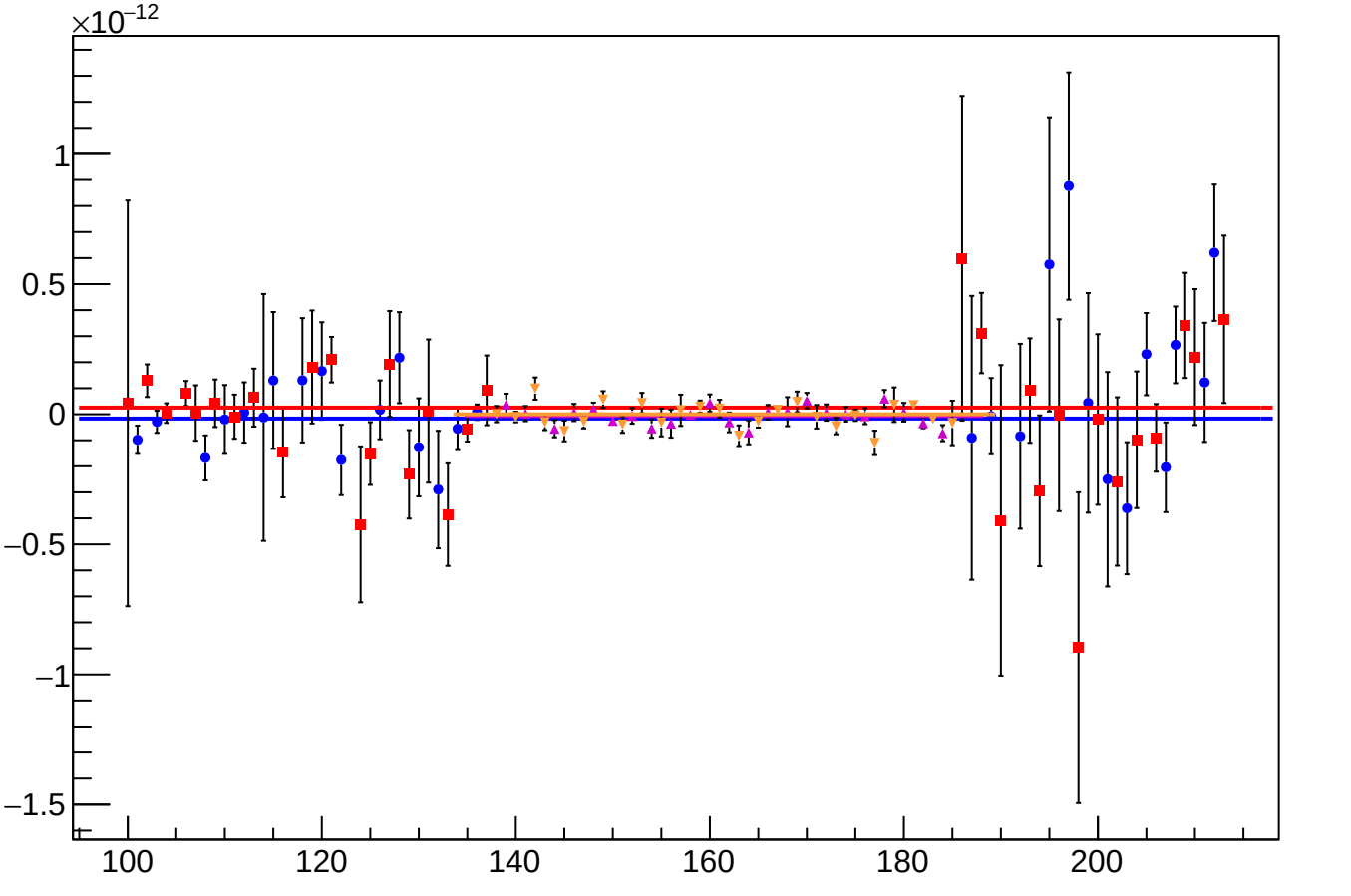
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2188.948+/-0.264 χ^2/NDF: 2917251.8/61

In: 2034.360+/-0.244 χ^2/NDF:1870409.7/51

Out: 2049.558+/-0.239 χ^2/NDF:1875489.6/57

All: 2042.135+/-0.171 χ^2/NDF: 3747882.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/28

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

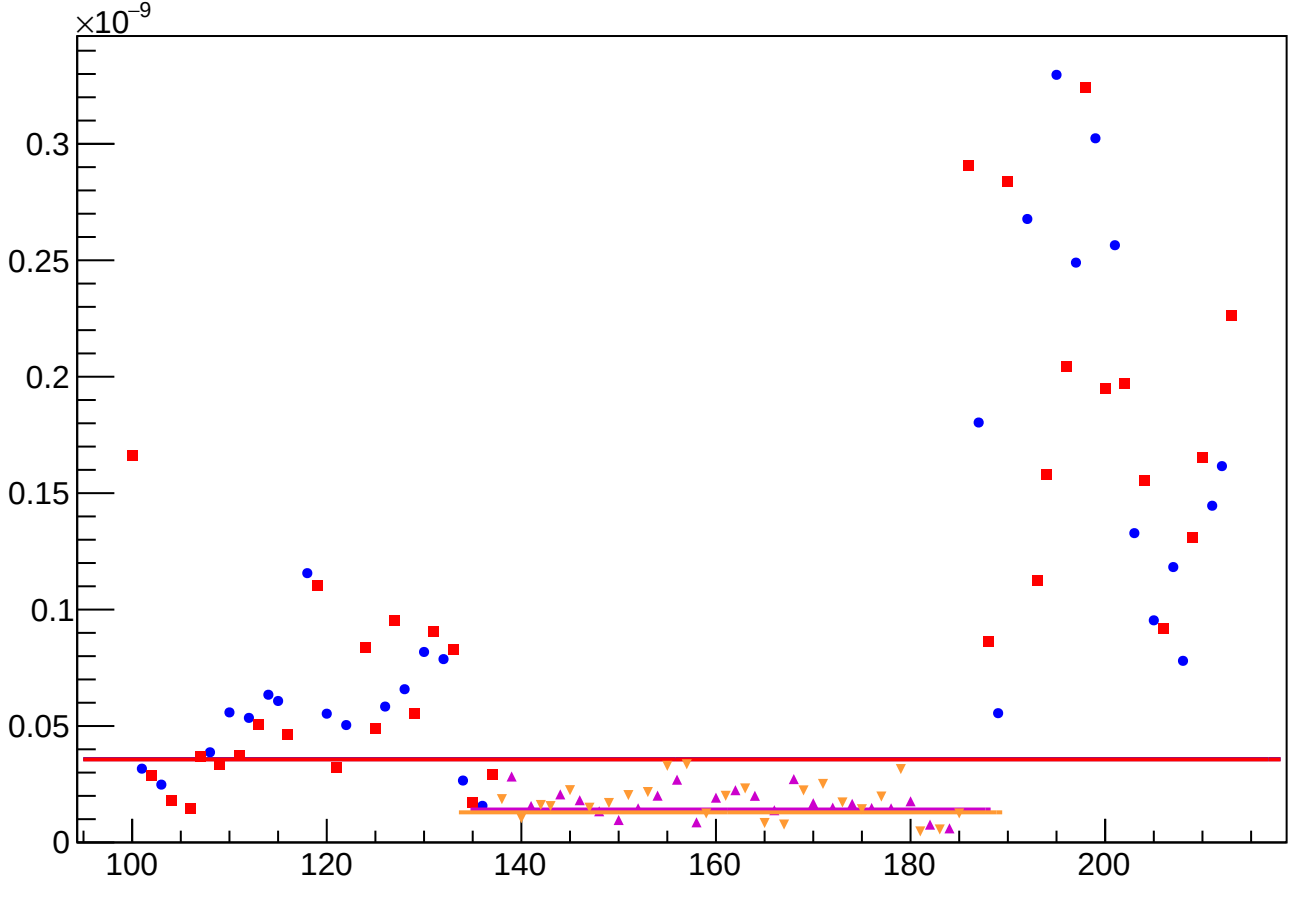
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 76.7/61

In: -0.000+/-0.000 χ^2/NDF:62.0/51

Out: 0.000+/-0.000 χ^2/NDF:82.0/57

All: -0.000+/-0.000 χ^2/NDF: 145.4/109



Right In: 0.000+/-0.000 χ^2/NDF: 7338988.0/28

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

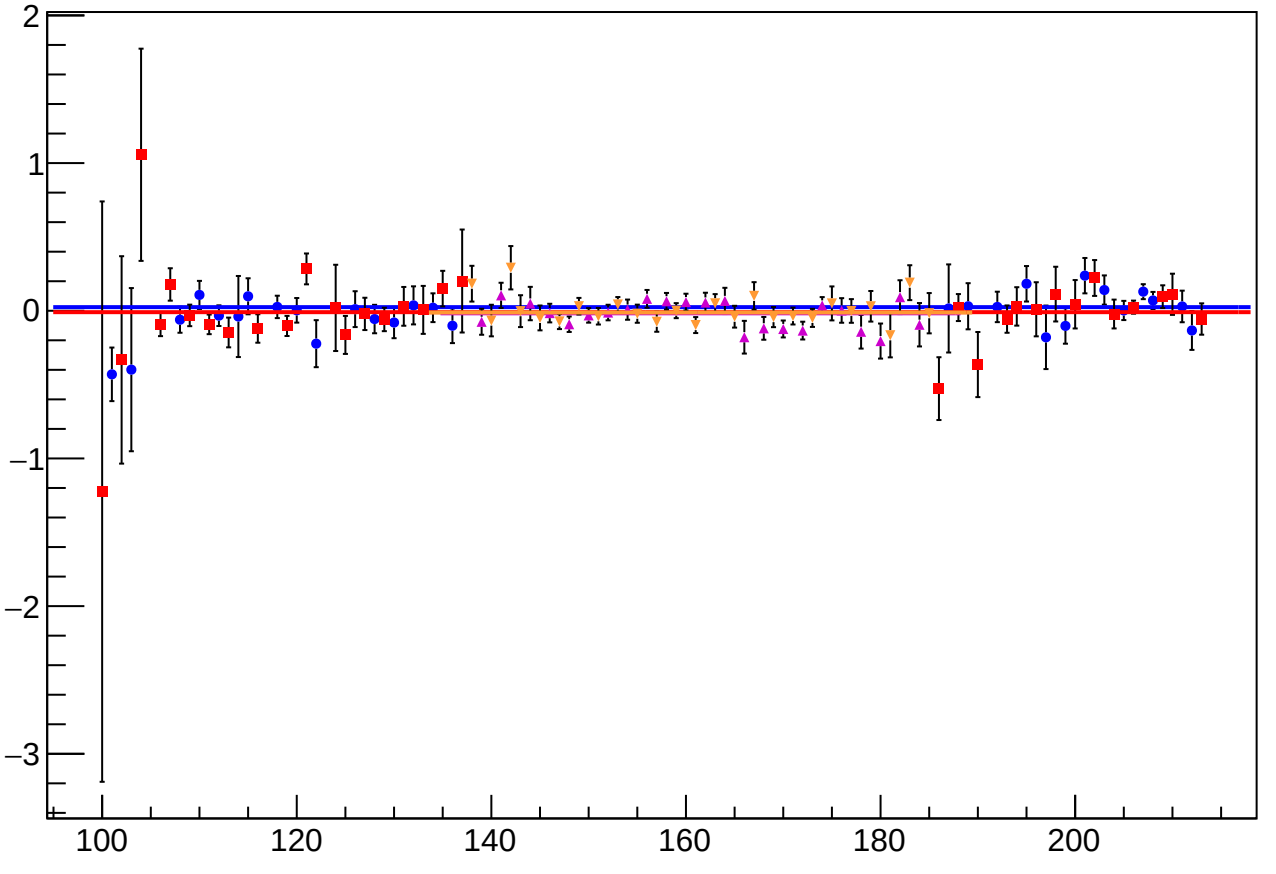
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

Right: 0.000+/-0.000 χ^2/NDF: 15124976.0/61

In: 0.000+/-0.000 χ^2/NDF:11363688.5/51

Out: 0.000+/-0.000 χ^2/NDF:13354330.9/57

All: 0.000+/-0.000 χ^2/NDF: 24782431.9/109



Right In: 0.025+/-0.018 χ^2/NDF: 29.7/28

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

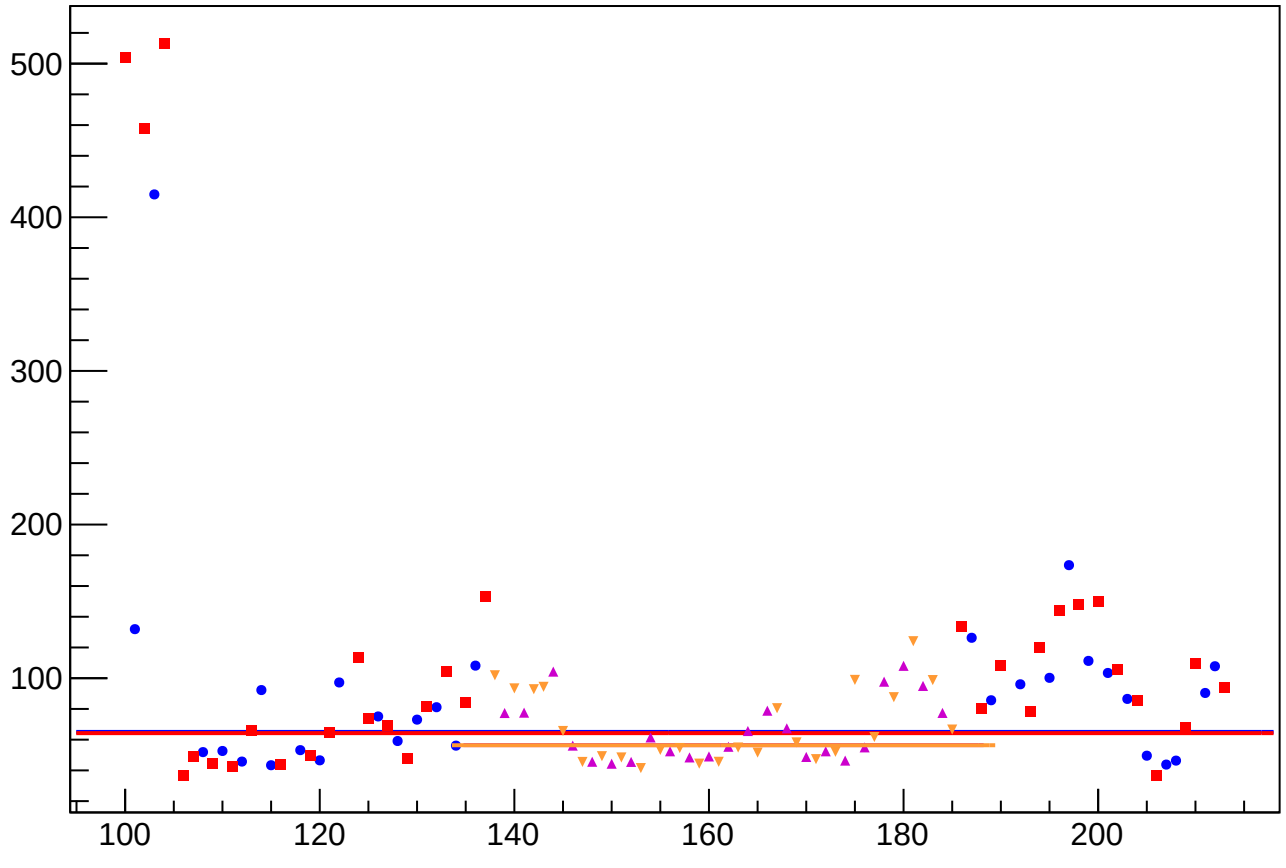
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: 0.007+/-0.013 χ^2/NDF: 73.4/61

In: -0.001+/-0.011 χ^2/NDF:63.5/51

Out: -0.011+/-0.011 χ^2/NDF:63.7/57

All: -0.006+/-0.008 χ^2/NDF: 127.6/109



Right In: 65.035+/-0.013 χ^2/NDF: 4538903.1/28

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

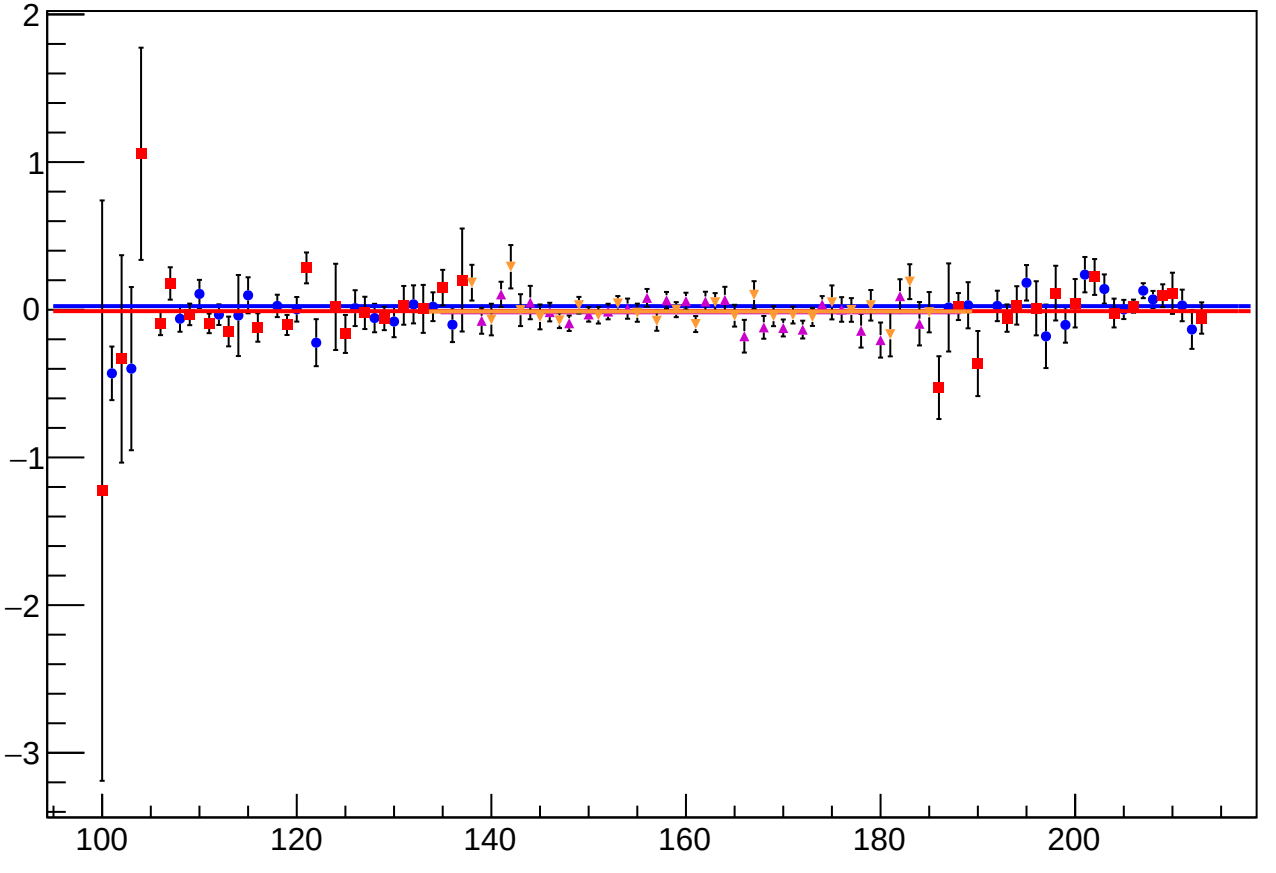
Right: 64.634+/-0.009 χ^2/NDF: 10945554.9/61

In: 59.754+/-0.008 χ^2/NDF:6947356.8/51

Out: 59.421+/-0.008 χ^2/NDF:9436306.8/57

All: 59.585+/-0.006 χ^2/NDF: 16384529.3/109

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.018 χ^2/NDF: 29.7/28

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

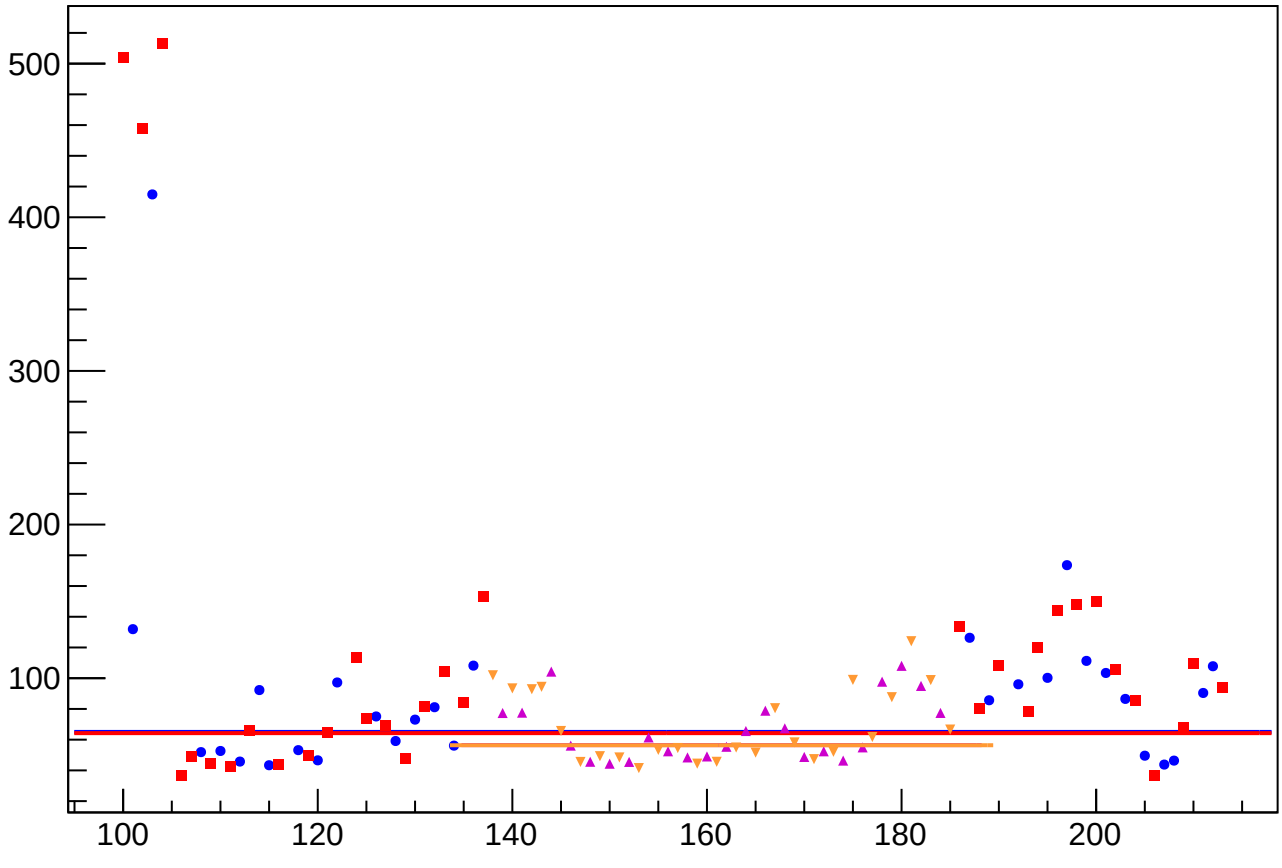
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: 0.007+/-0.013 χ^2/NDF: 73.4/61

In: -0.001+/-0.011 χ^2/NDF:63.5/51

Out: -0.011+/-0.011 χ^2/NDF:63.7/57

All: -0.006+/-0.008 χ^2/NDF: 127.6/109



Right In: 65.035+/-0.013 χ^2/NDF: 4538903.1/28

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

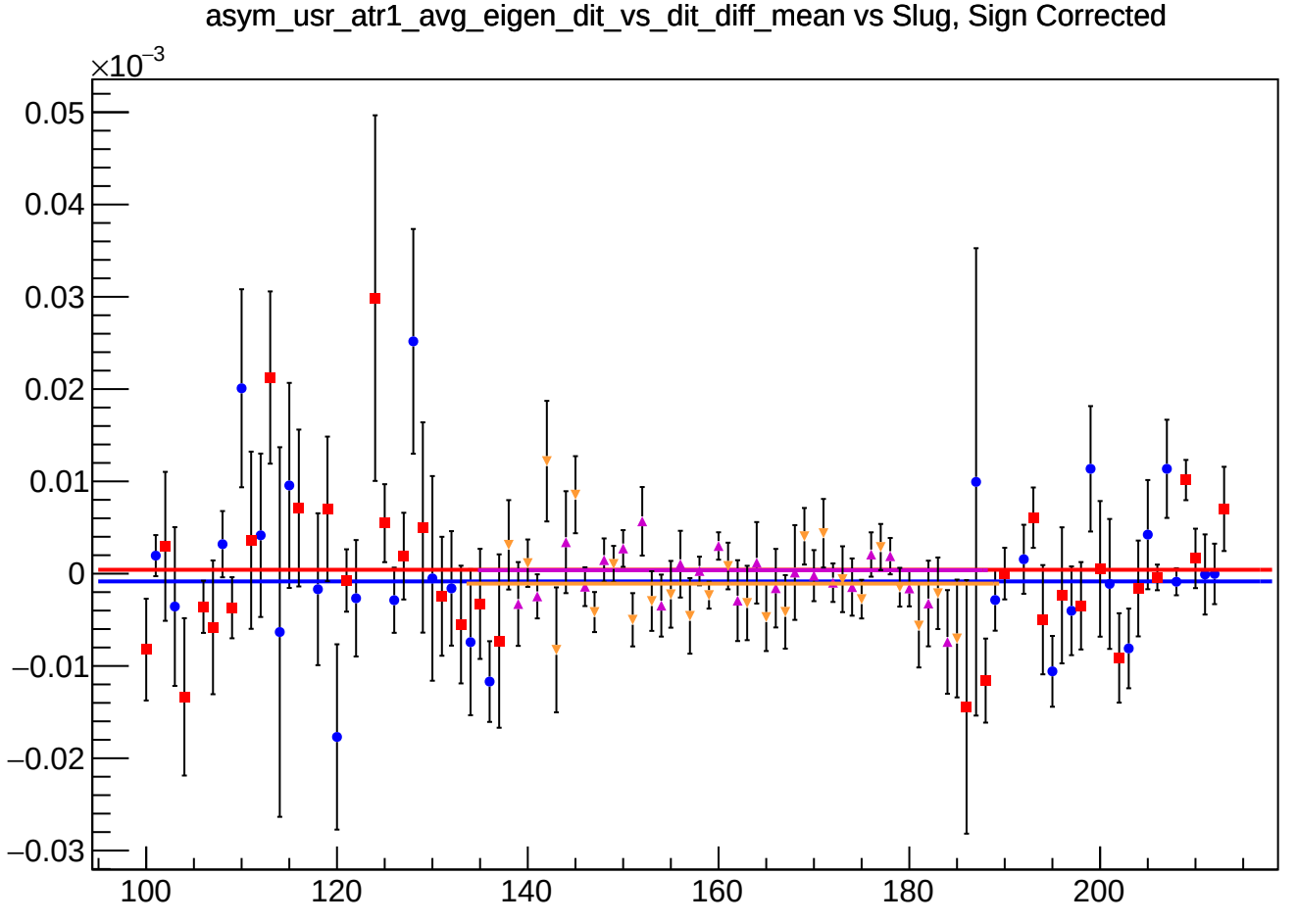
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 64.634+/-0.009 χ^2/NDF: 10945554.9/61

In: 59.754+/-0.008 χ^2/NDF:6947356.8/51

Out: 59.421+/-0.008 χ^2/NDF:9436306.8/57

All: 59.585+/-0.006 χ^2/NDF: 16384529.3/109



Right In: -0.000+/-0.000 χ^2/NDF: 42.7/28

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

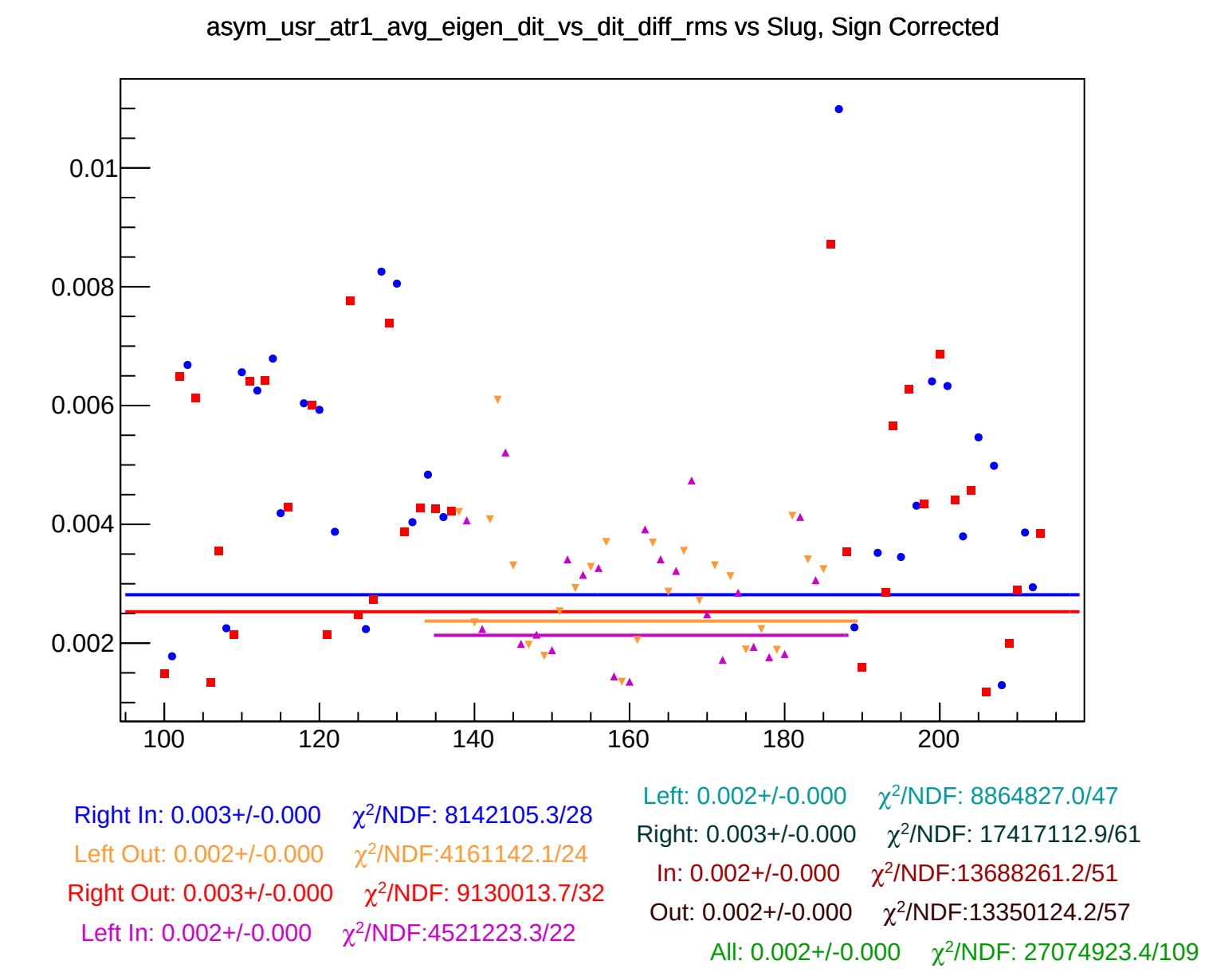
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 105.4/61

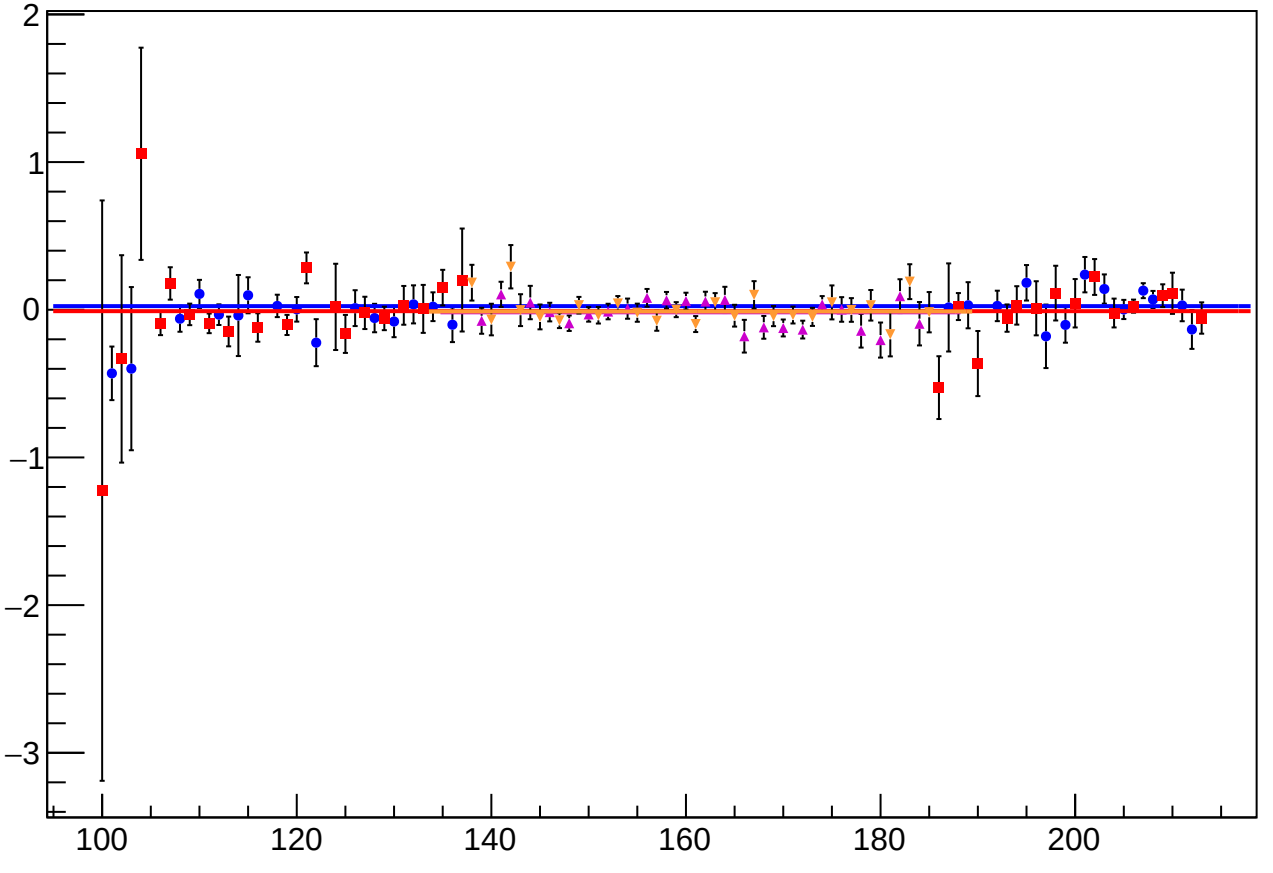
In: -0.000+/-0.000 χ^2/NDF:61.8/51

Out: -0.000+/-0.000 χ^2/NDF:95.5/57

All: -0.000+/-0.000 χ^2/NDF: 157.8/109


asym_usr_atr1_avg_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: 0.003+/-0.000 χ²/NDF: 8142105.3/28
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 9130013.7/32
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
Left: 0.002+/-0.000 χ²/NDF: 8864827.0/47
Right: 0.003+/-0.000 χ²/NDF: 17417112.9/61
In: 0.002+/-0.000 χ²/NDF:13688261.2/51
Out: 0.002+/-0.000 χ²/NDF:13350124.2/57
All: 0.002+/-0.000 χ²/NDF: 27074923.4/109

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.018 χ^2/NDF: 29.7/28

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

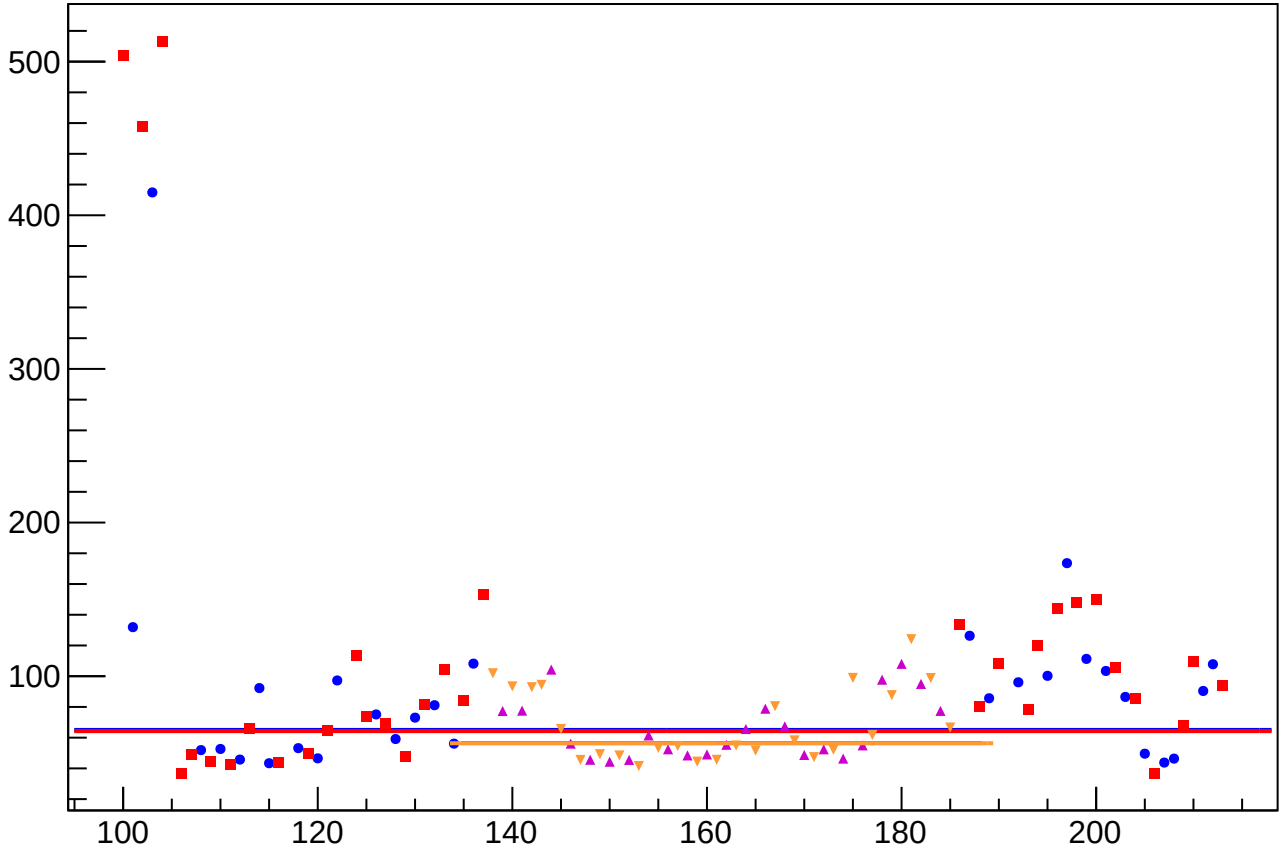
Right: 0.007+/-0.013 χ^2/NDF: 73.4/61

In: -0.001+/-0.011 χ^2/NDF:63.5/51

Out: -0.011+/-0.011 χ^2/NDF:63.7/57

All: -0.006+/-0.008 χ^2/NDF: 127.6/109

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.034+/-0.013 χ^2/NDF: 4538858.6/28

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

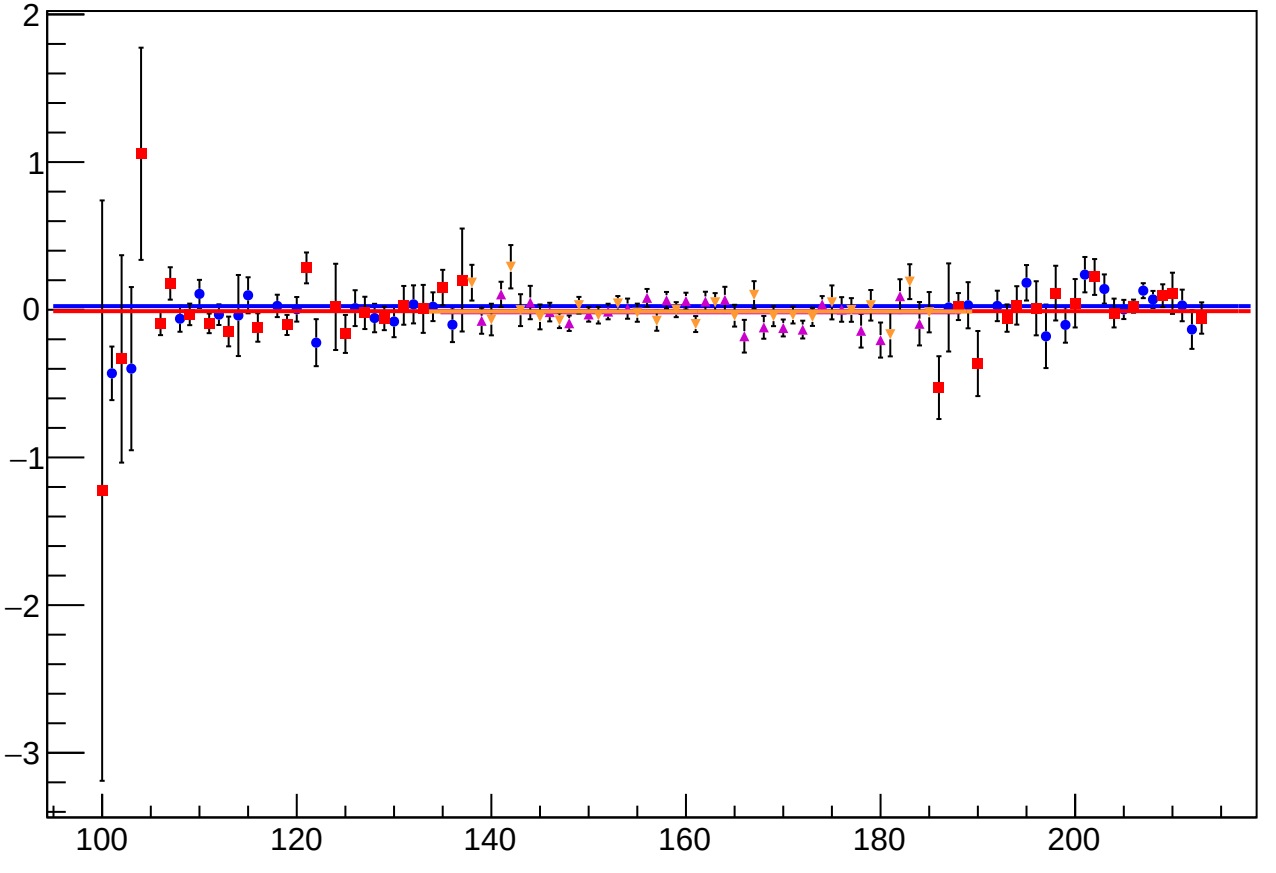
Right: 64.634+/-0.009 χ^2/NDF: 10945557.0/61

In: 59.754+/-0.008 χ^2/NDF:6947269.4/51

Out: 59.421+/-0.008 χ^2/NDF:9436383.1/57

All: 59.585+/-0.006 χ^2/NDF: 16384518.3/109

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.018 χ^2/NDF: 29.7/28

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

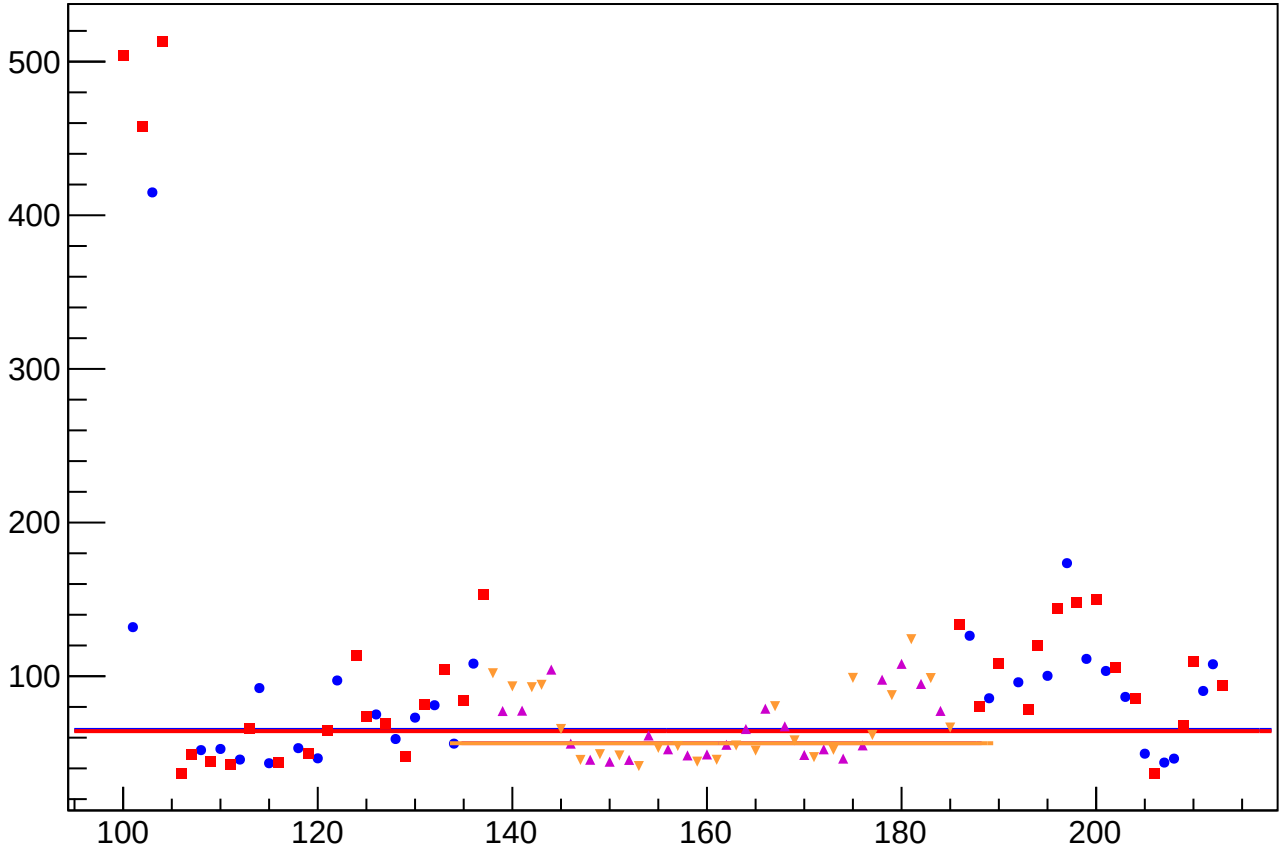
Right: 0.007+/-0.013 χ^2/NDF: 73.4/61

In: -0.001+/-0.011 χ^2/NDF:63.5/51

Out: -0.011+/-0.011 χ^2/NDF:63.7/57

All: -0.006+/-0.008 χ^2/NDF: 127.6/109

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.034+/-0.013 χ^2/NDF: 4538858.6/28

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

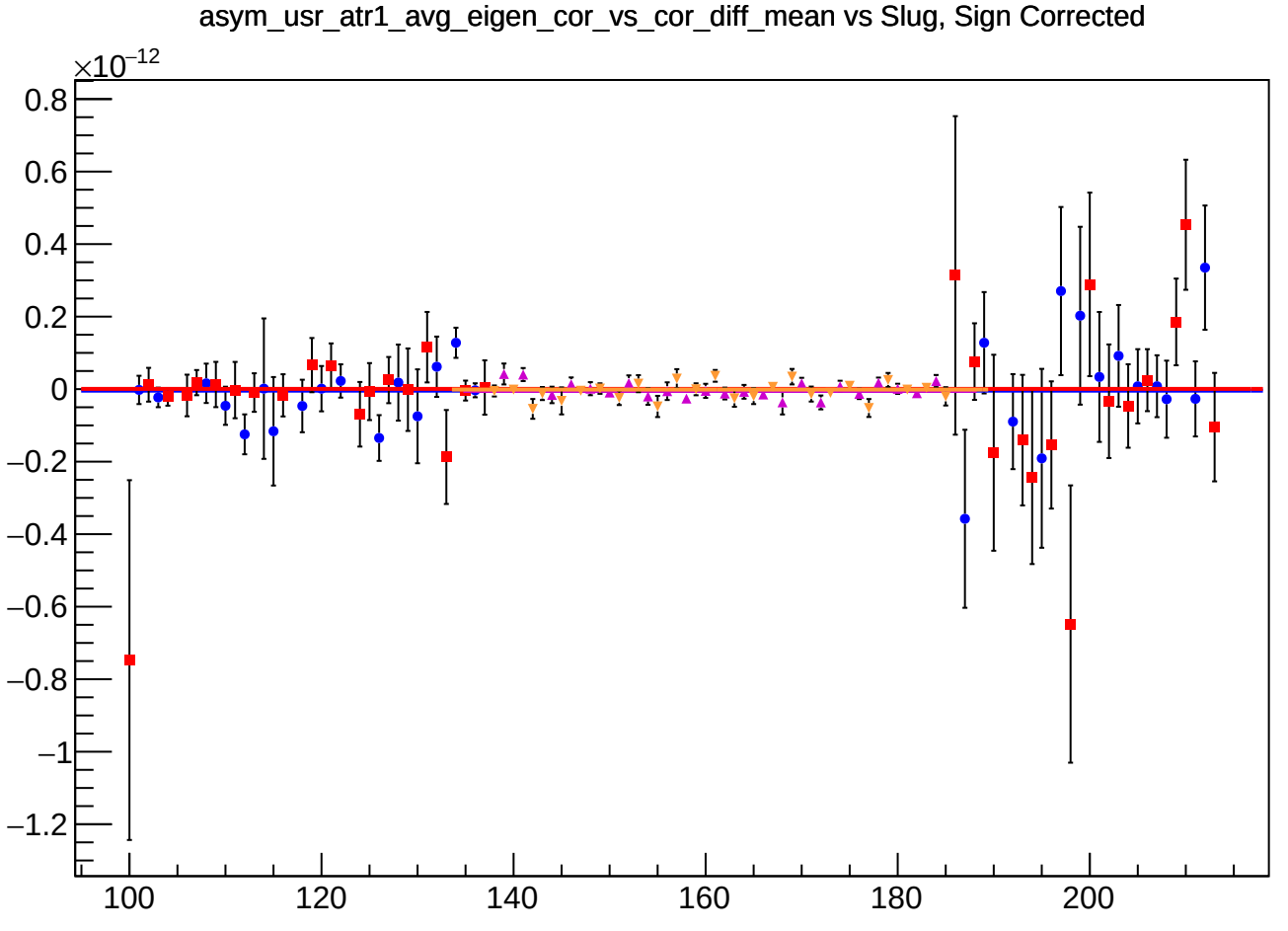
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 64.634+/-0.009 χ^2/NDF: 10945557.0/61

In: 59.754+/-0.008 χ^2/NDF:6947269.4/51

Out: 59.421+/-0.008 χ^2/NDF:9436383.1/57

All: 59.585+/-0.006 χ^2/NDF: 16384518.3/109



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/28

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

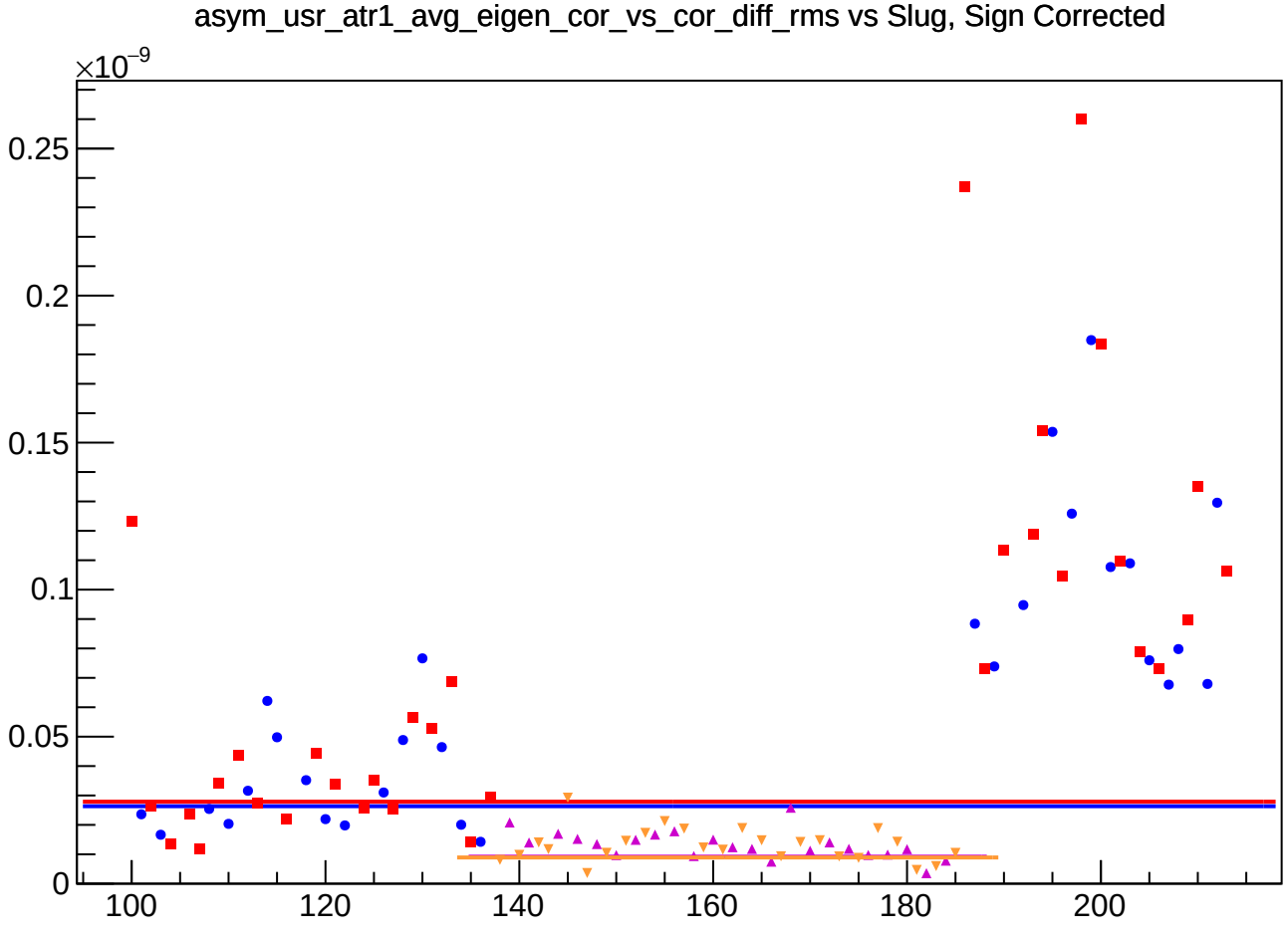
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 60.7/61

In: -0.000+/-0.000 χ^2/NDF:61.7/51

Out: -0.000+/-0.000 χ^2/NDF:56.9/57

All: -0.000+/-0.000 χ^2/NDF: 119.5/109



Right In: 0.000+/-0.000 χ^2/NDF: 8100330.6/28

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

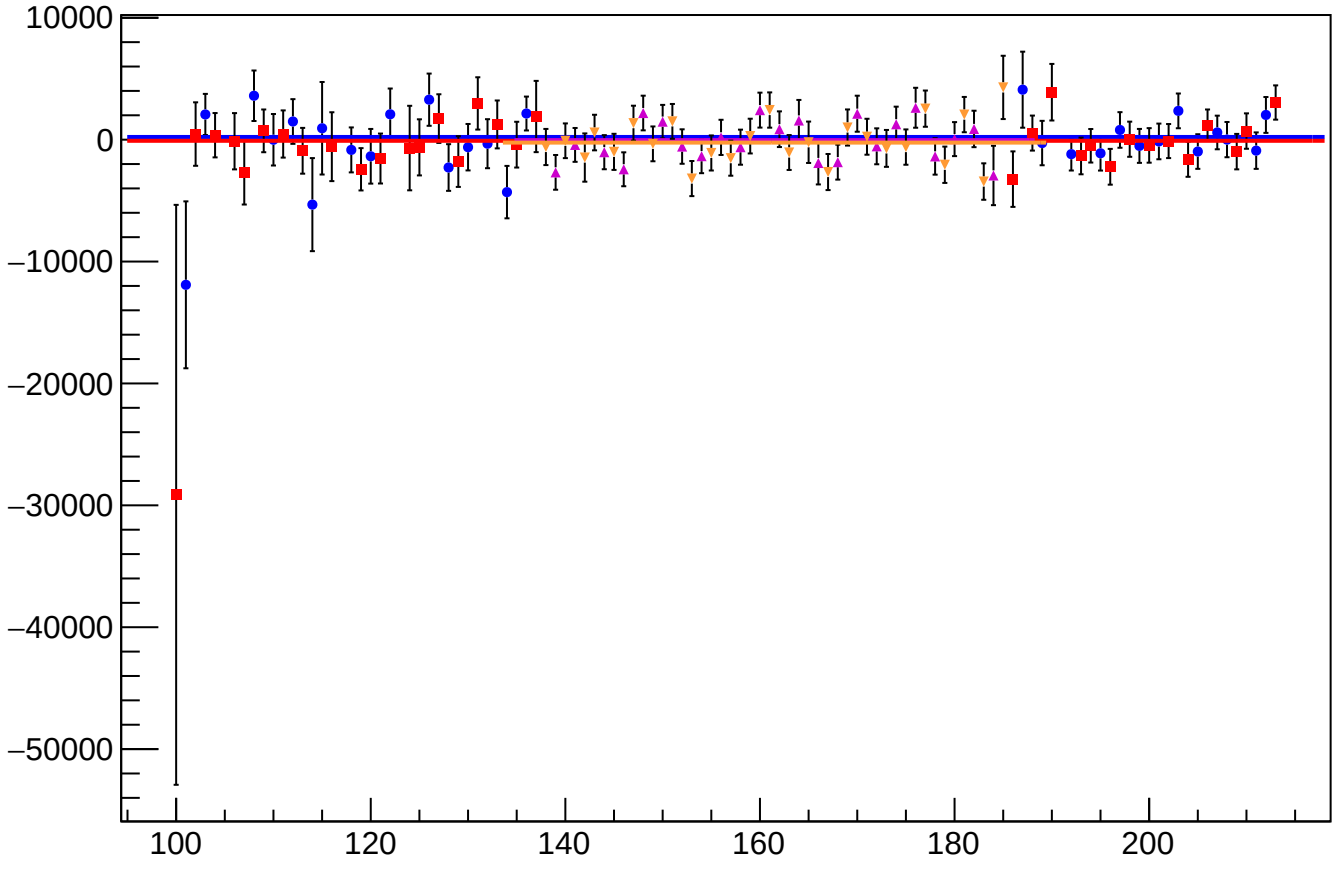
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 17798139.2/61

In: 0.000+/-0.000 χ^2/NDF:17862786.7/51

Out: 0.000+/-0.000 χ^2/NDF:19919959.4/57

All: 0.000+/-0.000 χ^2/NDF: 37796588.7/109



Right In: 221.999+/-323.799 χ^2/NDF: 30.8/28

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

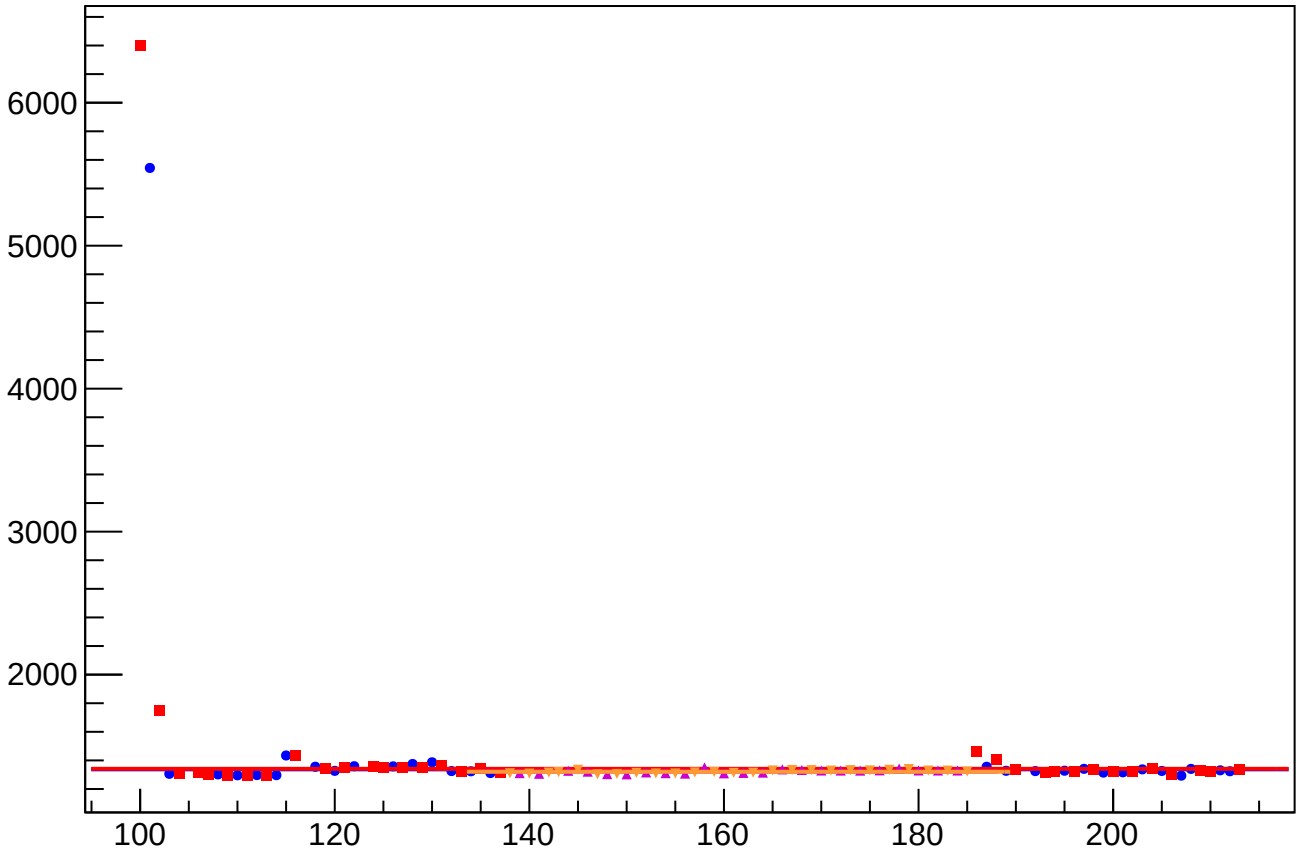
Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

Right: 58.094+/-224.481 χ^2/NDF: 57.1/61

In: 85.175+/-223.401 χ^2/NDF:58.3/51

Out: -169.993+/-216.082 χ^2/NDF:57.6/57

All: -46.657+/-155.316 χ^2/NDF: 116.6/109



Right In: 1337.656+/-0.229 χ^2/NDF: 766648.6/28

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

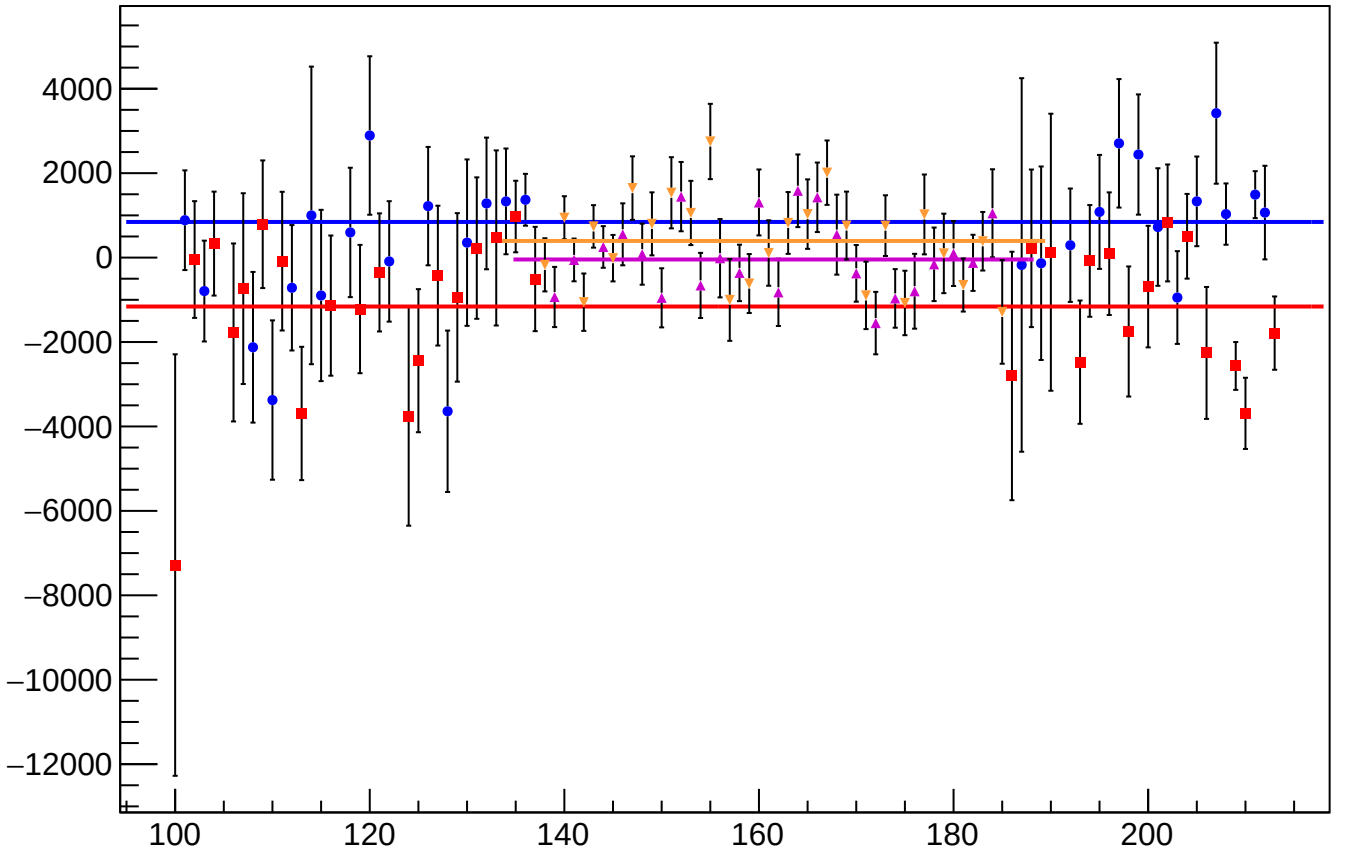
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1339.474+/-0.159 χ^2/NDF: 928721.7/61

In: 1329.339+/-0.158 χ^2/NDF:772720.4/51

Out: 1330.565+/-0.153 χ^2/NDF:169011.2/57

All: 1329.972+/-0.110 χ^2/NDF: 941762.7/109



Right In: 844.410+/-226.272 χ^2/NDF: 29.6/28

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

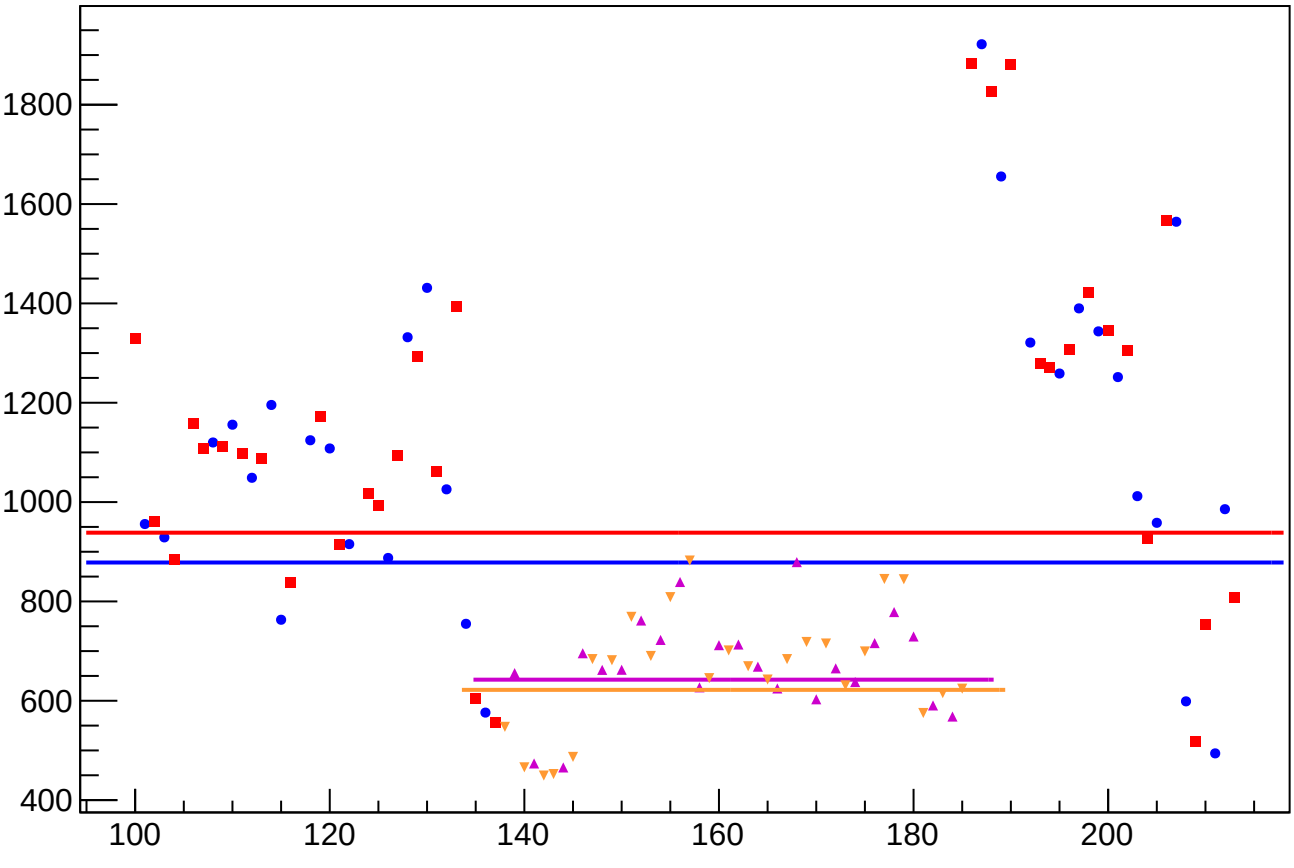
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -132.636+/-161.954 χ^2/NDF: 110.8/61

In: 232.543+/-126.364 χ^2/NDF:67.8/51

Out: -40.182+/-122.678 χ^2/NDF:117.1/57

All: 92.145+/-88.021 χ^2/NDF: 187.3/109



Right In: 878.344+/-0.160 χ^2/NDF: 3964402.4/28

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

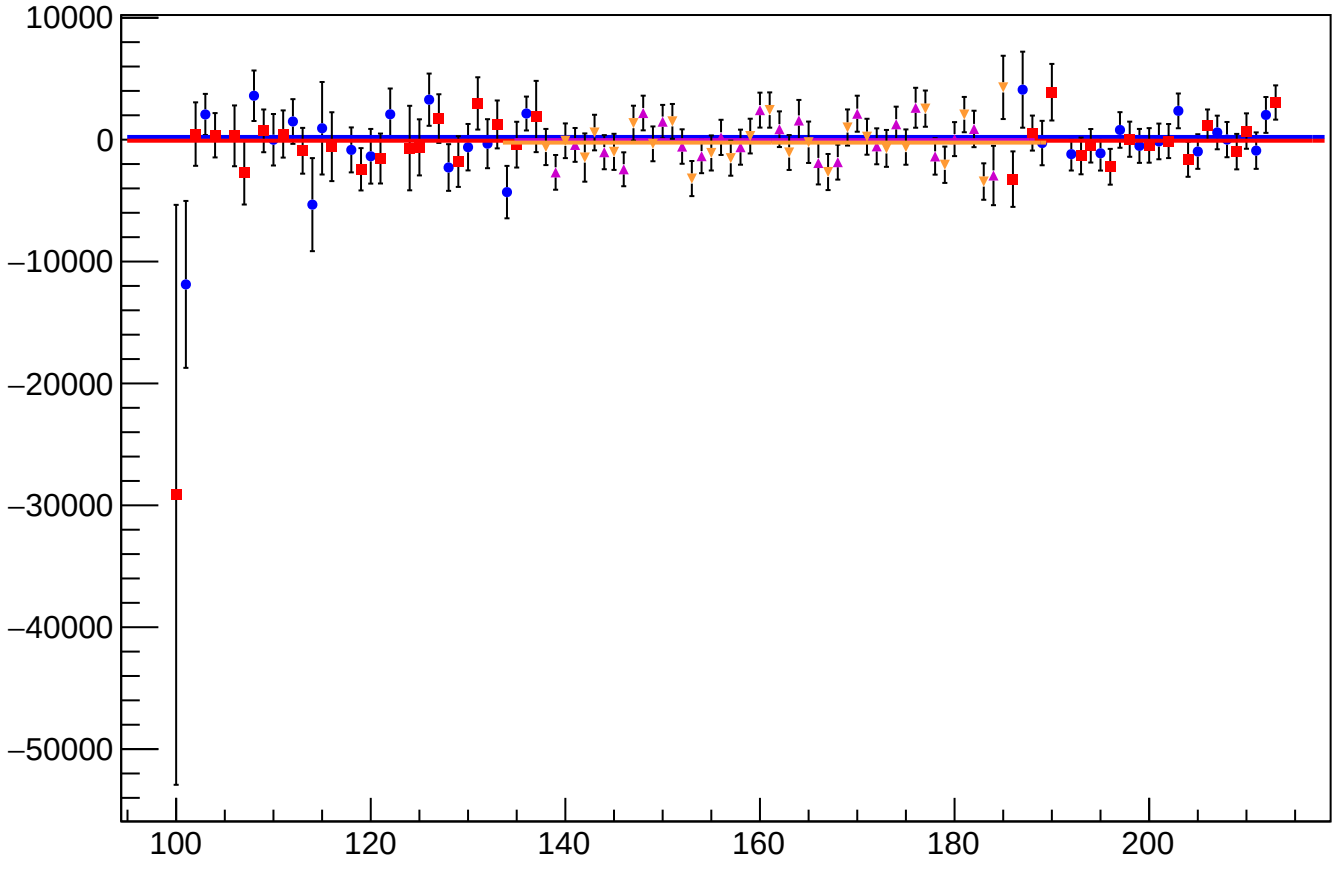
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 907.627+/-0.115 χ^2/NDF: 8145429.3/61

In: 716.035+/-0.089 χ^2/NDF:6386247.8/51

Out: 710.502+/-0.087 χ^2/NDF:8177502.5/57

All: 713.186+/-0.062 χ^2/NDF: 14565724.0/10



Right In: 222.116+/-323.799 χ^2/NDF: 30.8/28

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

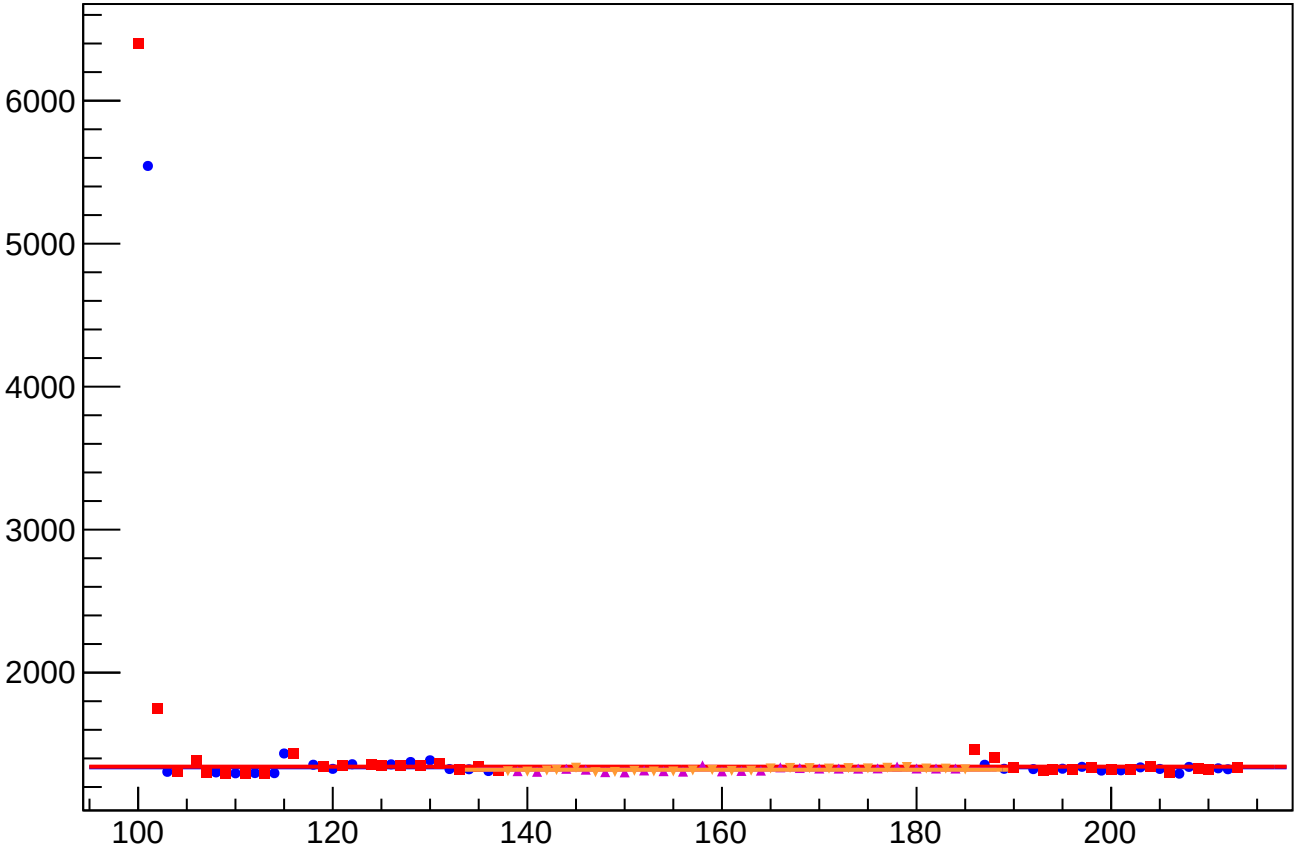
Right: 61.941+/-224.635 χ^2/NDF: 57.1/61

In: 85.194+/-223.401 χ^2/NDF:58.3/51

Out: -166.771+/-216.219 χ^2/NDF:57.6/57

All: -44.904+/-155.367 χ^2/NDF: 116.6/109

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1337.656+/-0.229 χ^2/NDF: 766647.6/28

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

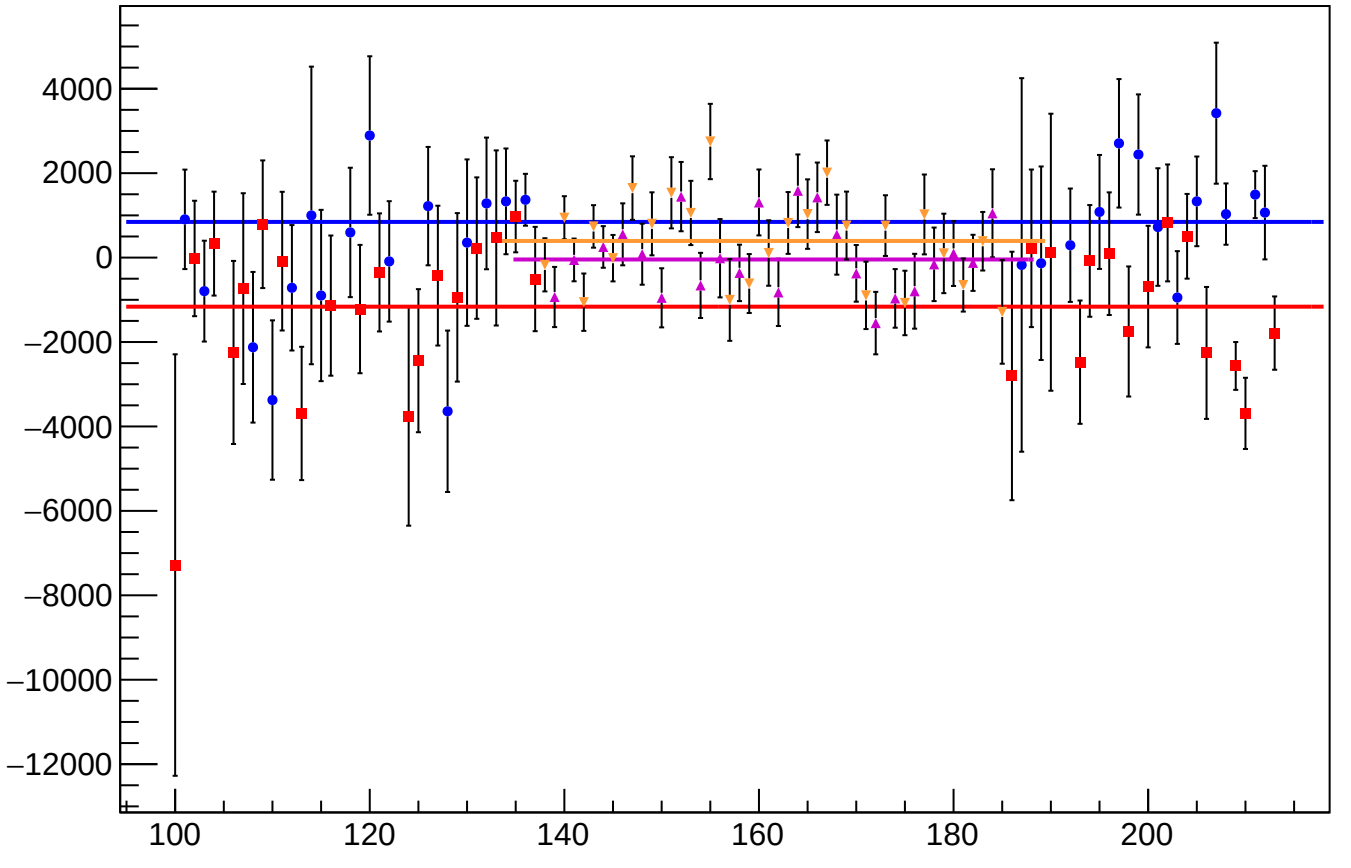
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1340.082+/-0.159 χ^2/NDF: 929306.2/61

In: 1329.339+/-0.158 χ^2/NDF:772719.4/51

Out: 1331.117+/-0.153 χ^2/NDF:170023.1/57

All: 1330.257+/-0.110 χ^2/NDF: 942807.9/109



Right In: 845.167+/-226.253 χ^2/NDF: 29.6/28

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

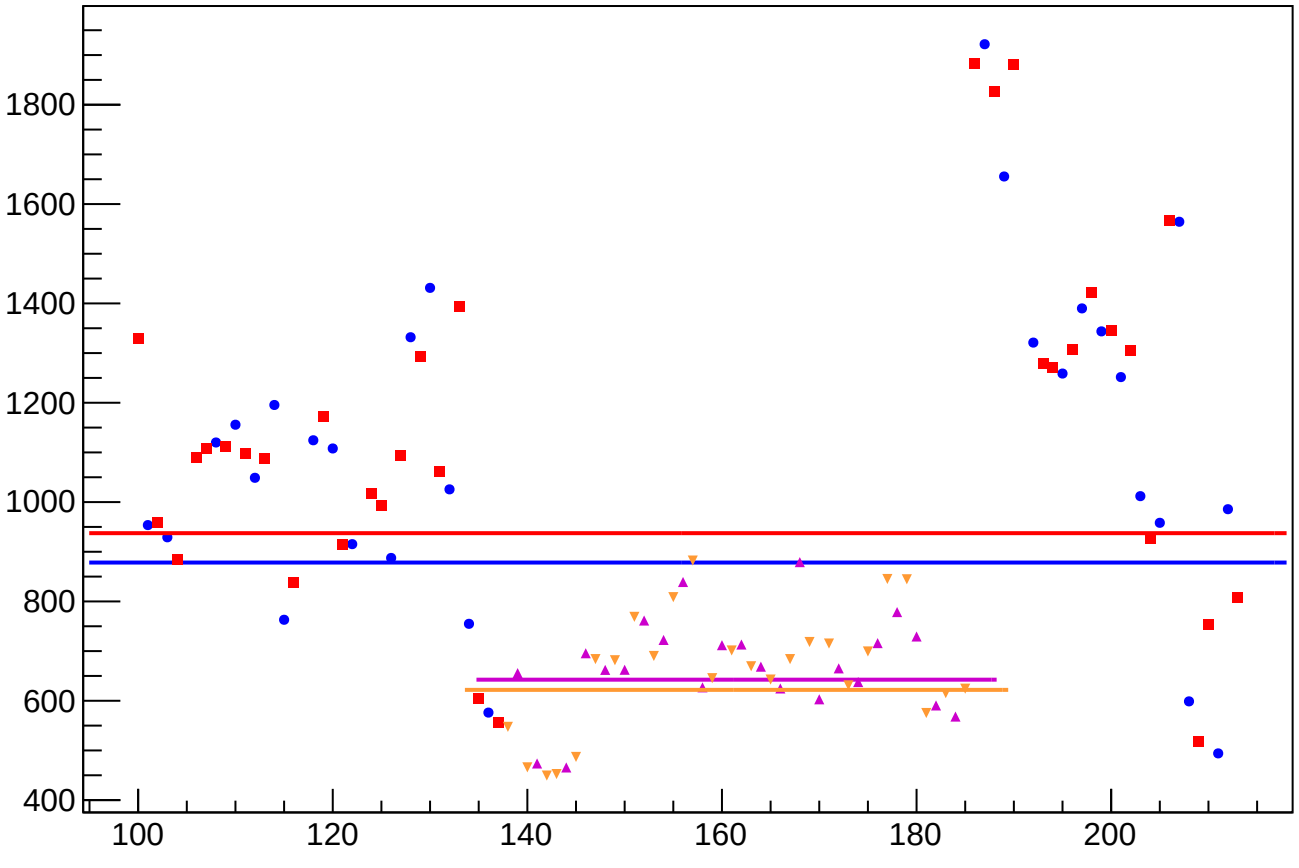
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -133.937+/-161.947 χ^2/NDF: 111.2/61

In: 232.815+/-126.361 χ^2/NDF:67.9/51

Out: -41.217+/-122.678 χ^2/NDF:117.4/57

All: 91.748+/-88.020 χ^2/NDF: 187.7/109



Right In: 878.279+/-0.160 χ^2/NDF: 3964105.2/28

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

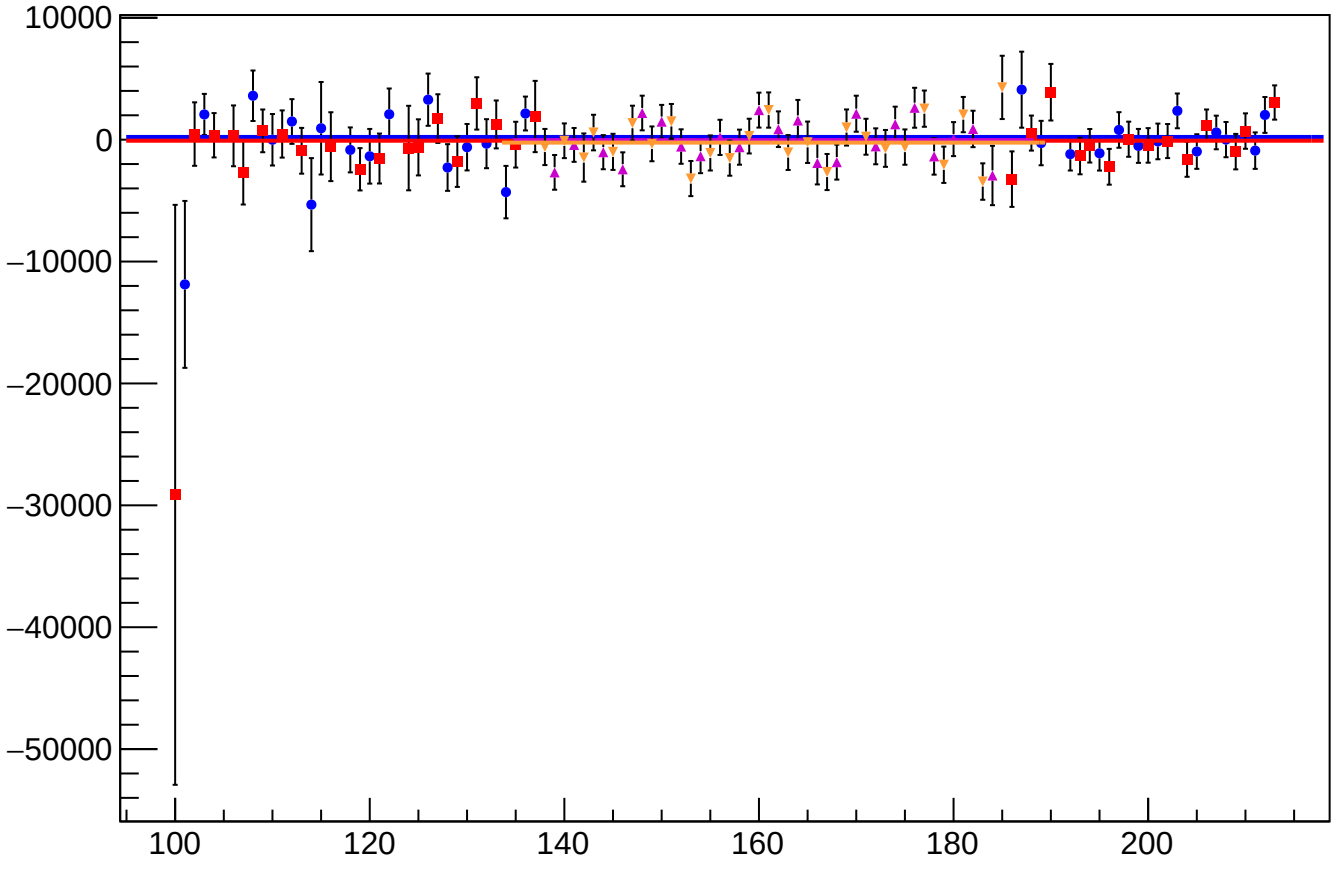
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 907.128+/-0.115 χ^2/NDF: 8131304.8/61

In: 716.019+/-0.089 χ^2/NDF:6385409.8/51

Out: 710.235+/-0.087 χ^2/NDF:8149472.2/57

All: 713.041+/-0.062 χ^2/NDF: 14537038.7/10



Right In: 222.116+/-323.799 χ^2/NDF: 30.8/28

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

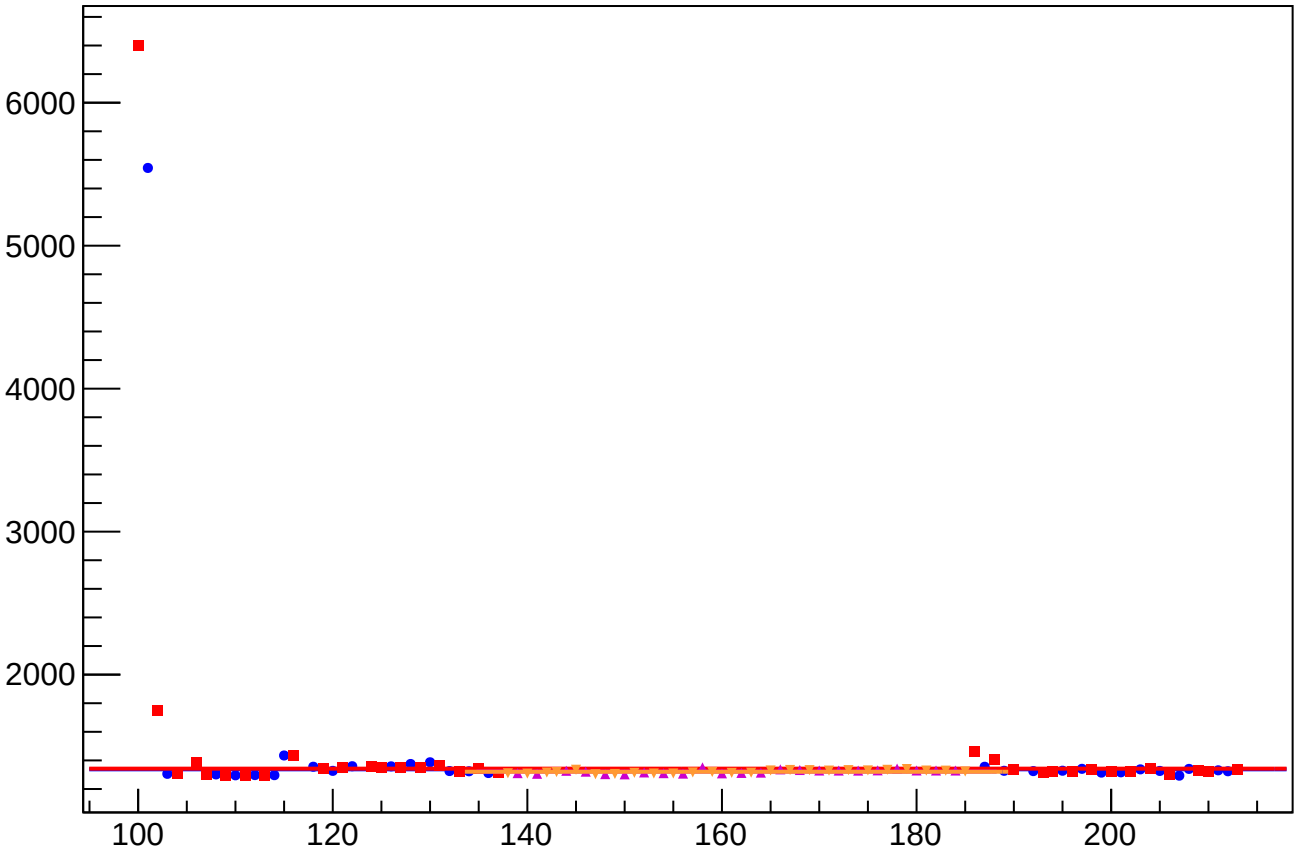
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: 61.941+/-224.635 χ^2/NDF: 57.1/61

In: 85.194+/-223.401 χ^2/NDF:58.3/51

Out: -166.771+/-216.219 χ^2/NDF:57.6/57

All: -44.904+/-155.367 χ^2/NDF: 116.6/109



Right In: 1337.656+/-0.229 χ^2/NDF: 766647.6/28

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

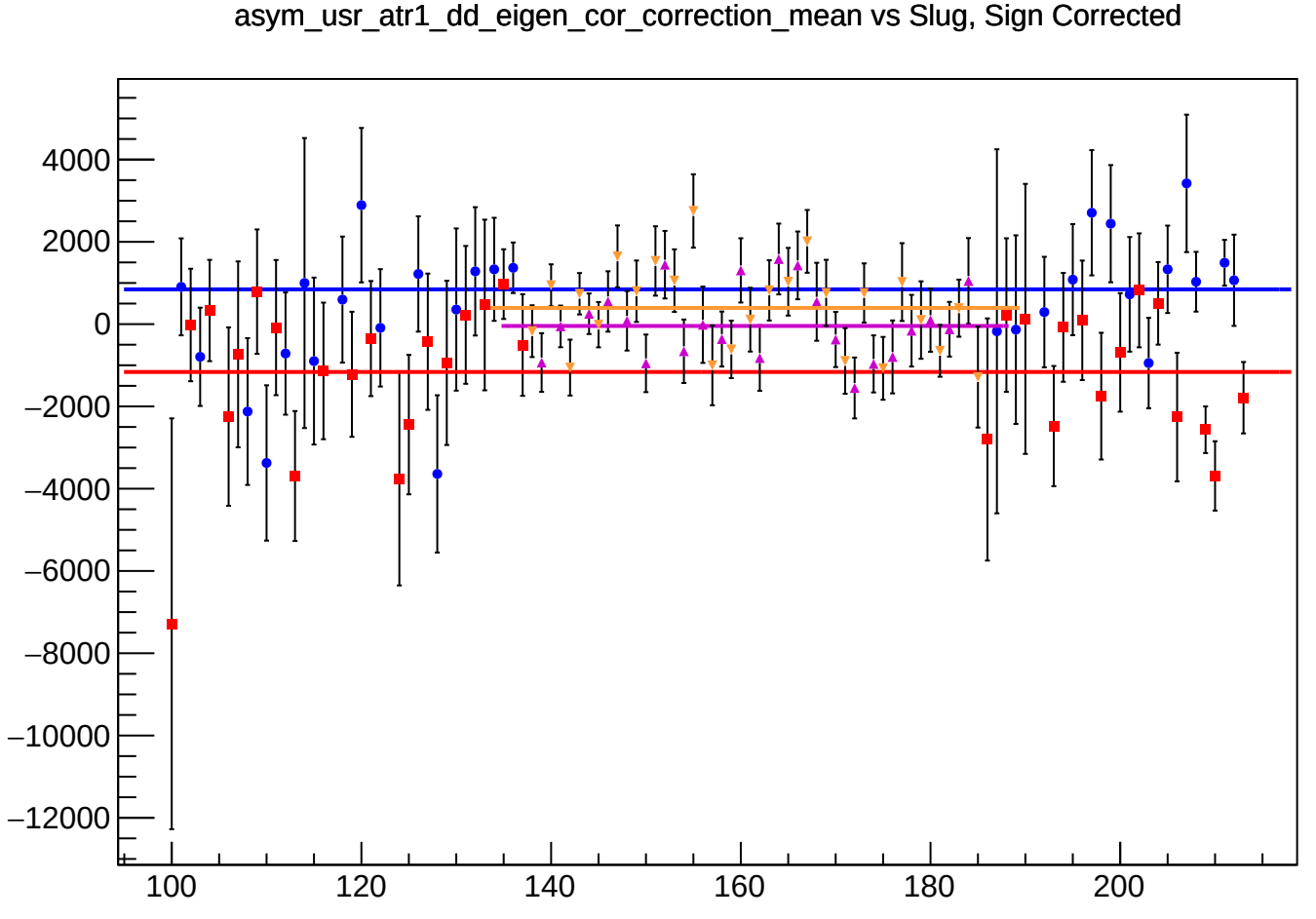
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1340.082+/-0.159 χ^2/NDF: 929306.2/61

In: 1329.339+/-0.158 χ^2/NDF:772719.4/51

Out: 1331.117+/-0.153 χ^2/NDF:170023.1/57

All: 1330.257+/-0.110 χ^2/NDF: 942807.9/109



Right In: 845.167+/-226.253 χ^2/NDF: 29.6/28

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

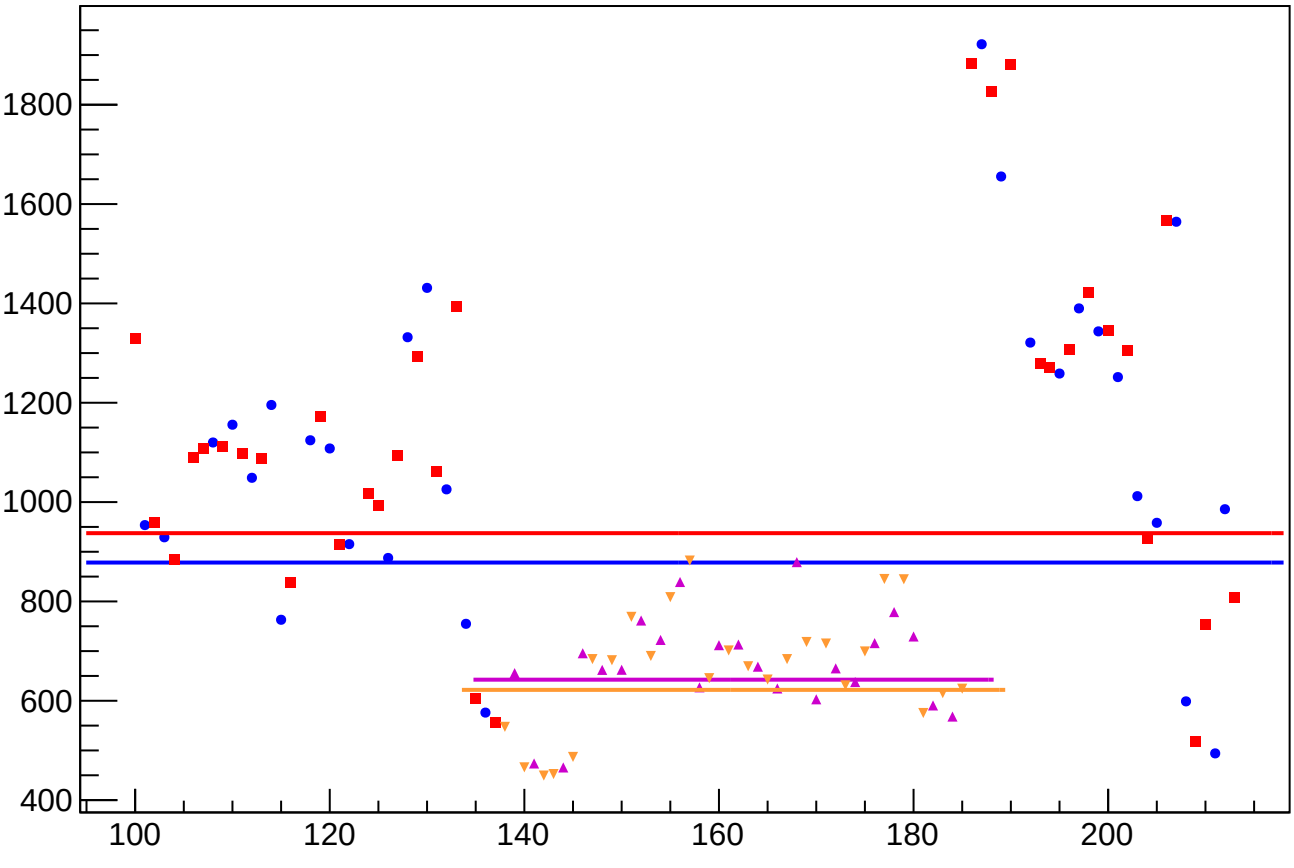
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -133.937+/-161.947 χ^2/NDF: 111.2/61

In: 232.815+/-126.361 χ^2/NDF:67.9/51

Out: -41.217+/-122.678 χ^2/NDF:117.4/57

All: 91.748+/-88.020 χ^2/NDF: 187.7/109



Right In: 878.279+/-0.160 χ^2/NDF: 3964105.2/28

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

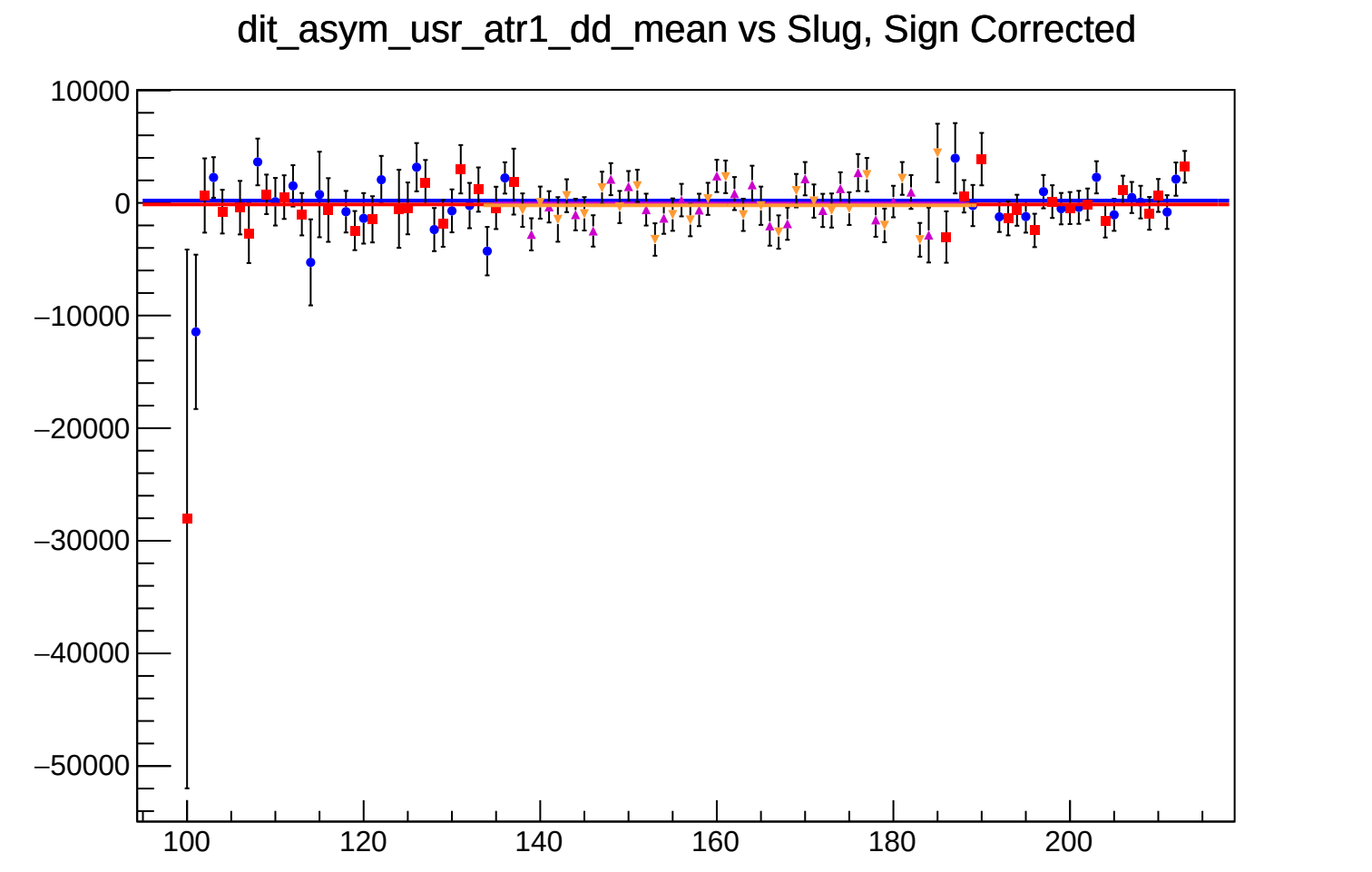
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 907.128+/-0.115 χ^2/NDF: 8131304.8/61

In: 716.019+/-0.089 χ^2/NDF:6385409.8/51

Out: 710.235+/-0.087 χ^2/NDF:8149472.2/57

All: 713.041+/-0.062 χ^2/NDF: 14537038.7/10



Right In: 209.816+/-325.233 χ^2/NDF: 30.9/28

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

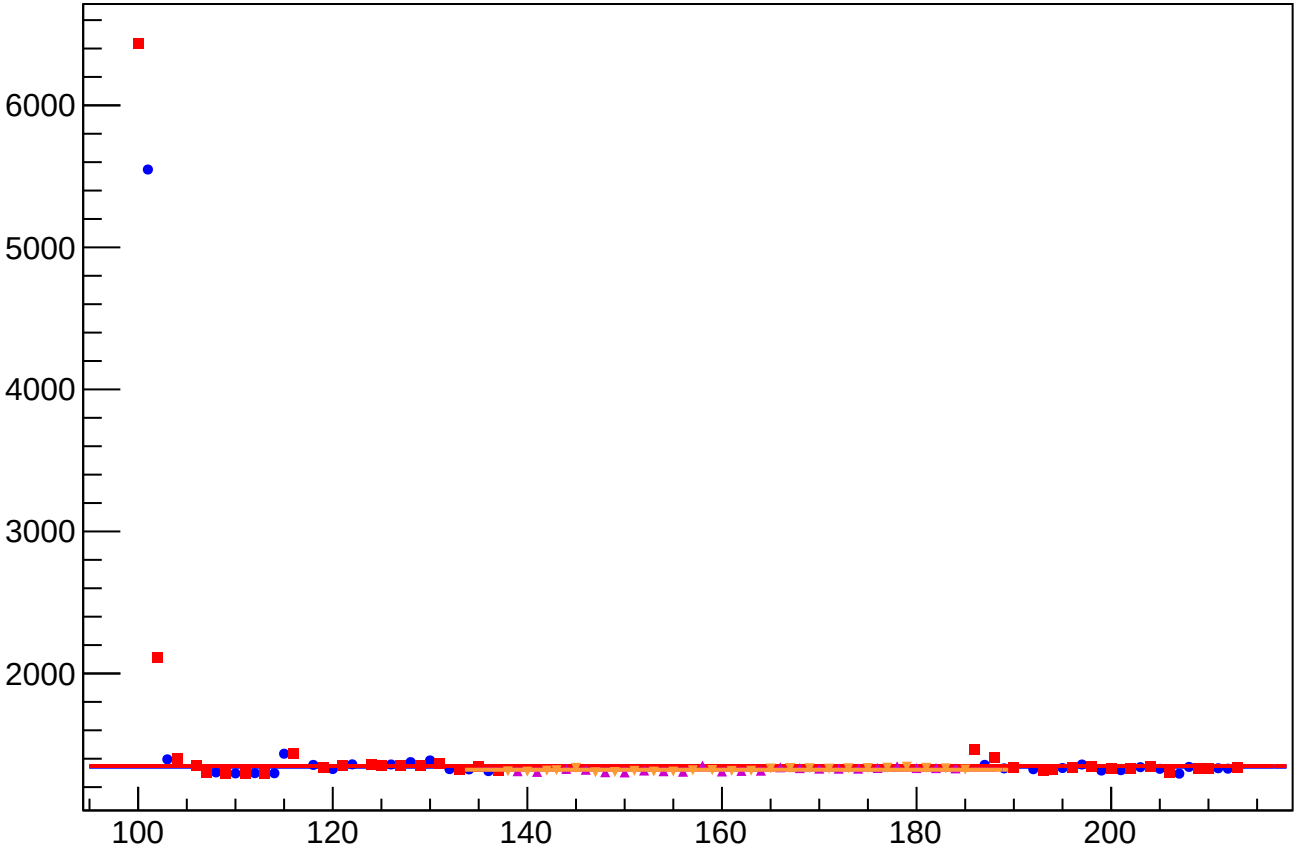
Right: 31.433+/-225.852 χ^2/NDF: 57.9/61

In: 73.128+/-224.010 χ^2/NDF:59.1/51

Out: -176.635+/-217.014 χ^2/NDF:57.7/57

All: -55.714+/-155.867 χ^2/NDF: 117.5/109

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1343.539+/-0.230 χ^2/NDF: 767443.6/28

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

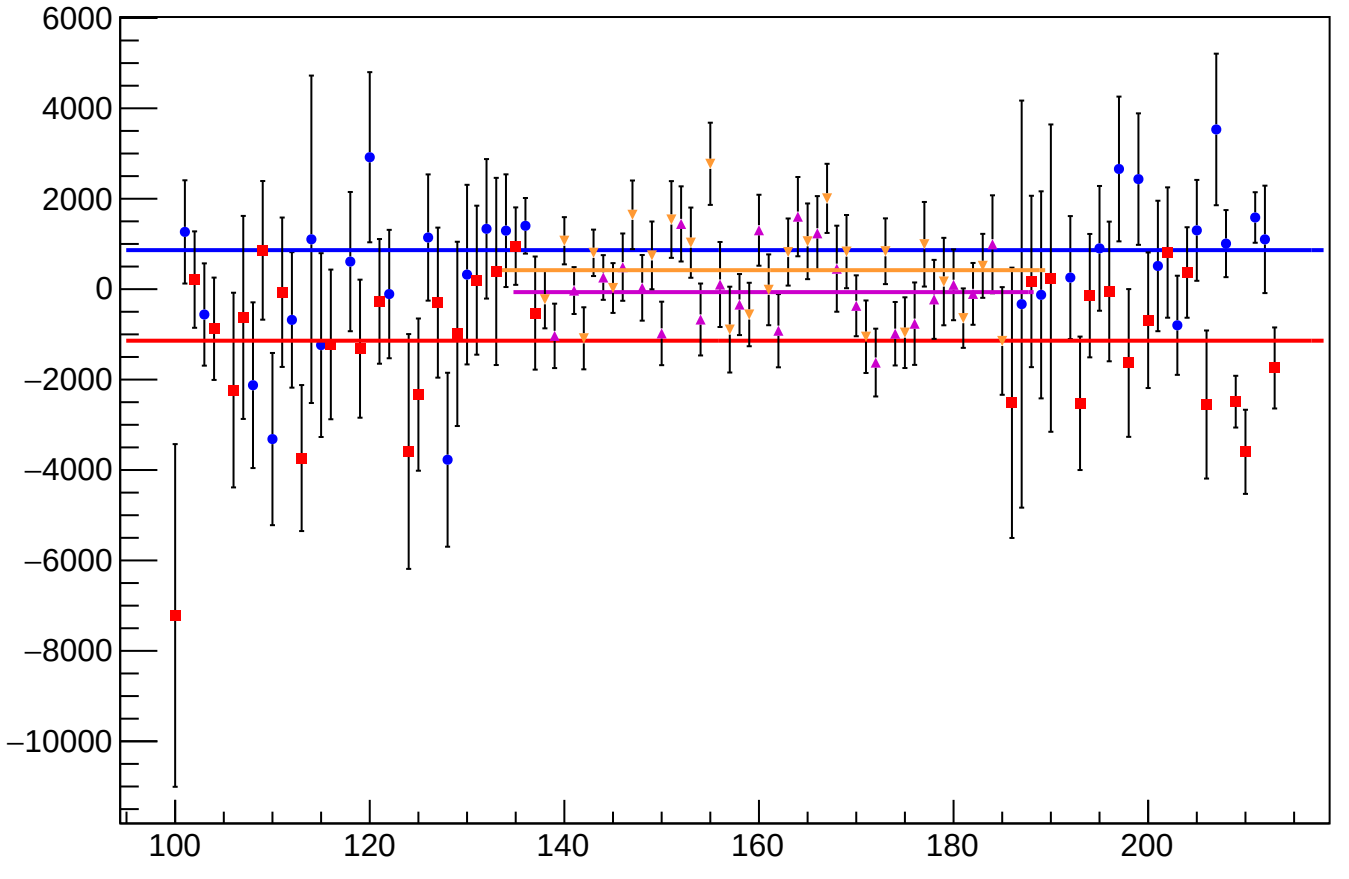
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1346.151+/-0.160 χ^2/NDF: 988125.5/61

In: 1332.921+/-0.158 χ^2/NDF:775355.8/51

Out: 1334.901+/-0.153 χ^2/NDF:230646.9/57

All: 1333.942+/-0.110 χ^2/NDF: 1006083.3/10



Right In: 863.230+/-228.231 χ^2/NDF: 29.6/28

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

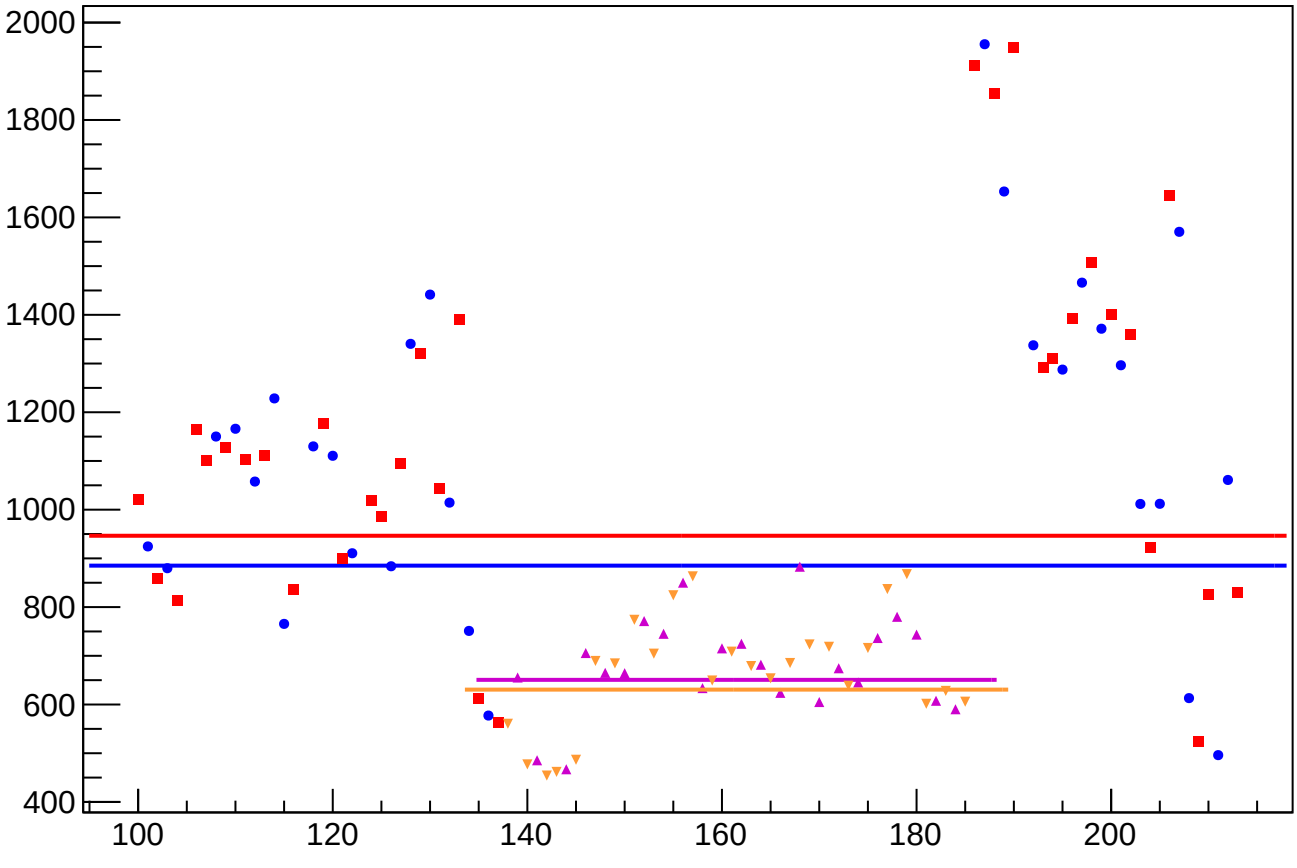
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -116.154+/-163.161 χ^2/NDF: 106.7/61

In: 225.704+/-127.785 χ^2/NDF:68.0/51

Out: -20.825+/-124.035 χ^2/NDF:113.1/57

All: 98.769+/-89.002 χ^2/NDF: 183.0/109



Right In: 885.111+/-0.161 χ^2/NDF: 4073734.3/28

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

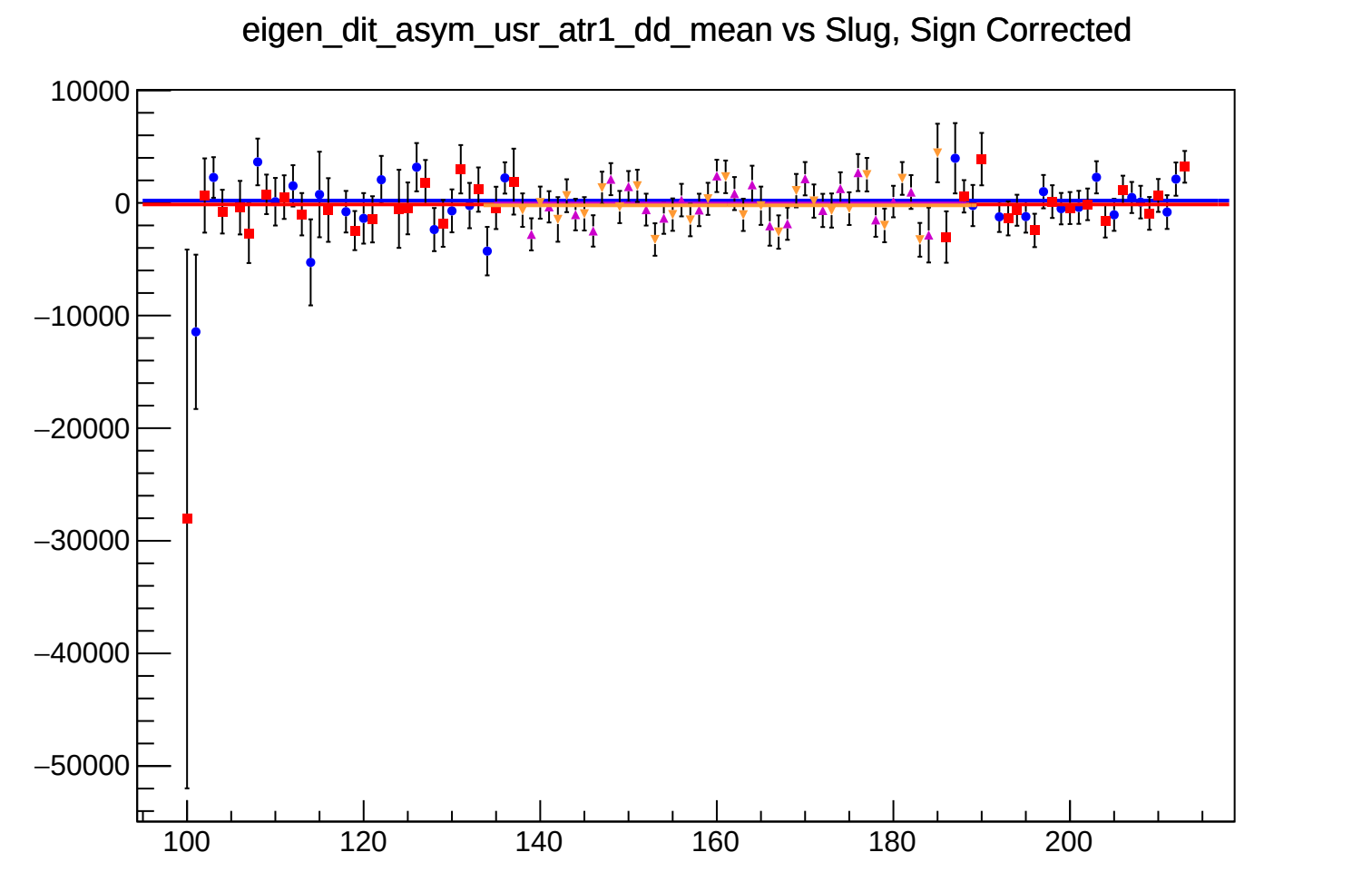
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 915.101+/-0.115 χ^2/NDF: 8388406.4/61

In: 724.140+/-0.090 χ^2/NDF:6444996.6/51

Out: 719.838+/-0.088 χ^2/NDF:8201779.2/57

All: 721.925+/-0.063 χ^2/NDF: 14647942.9/10



Right In: 209.817+/-325.233 χ^2/NDF: 30.9/28

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

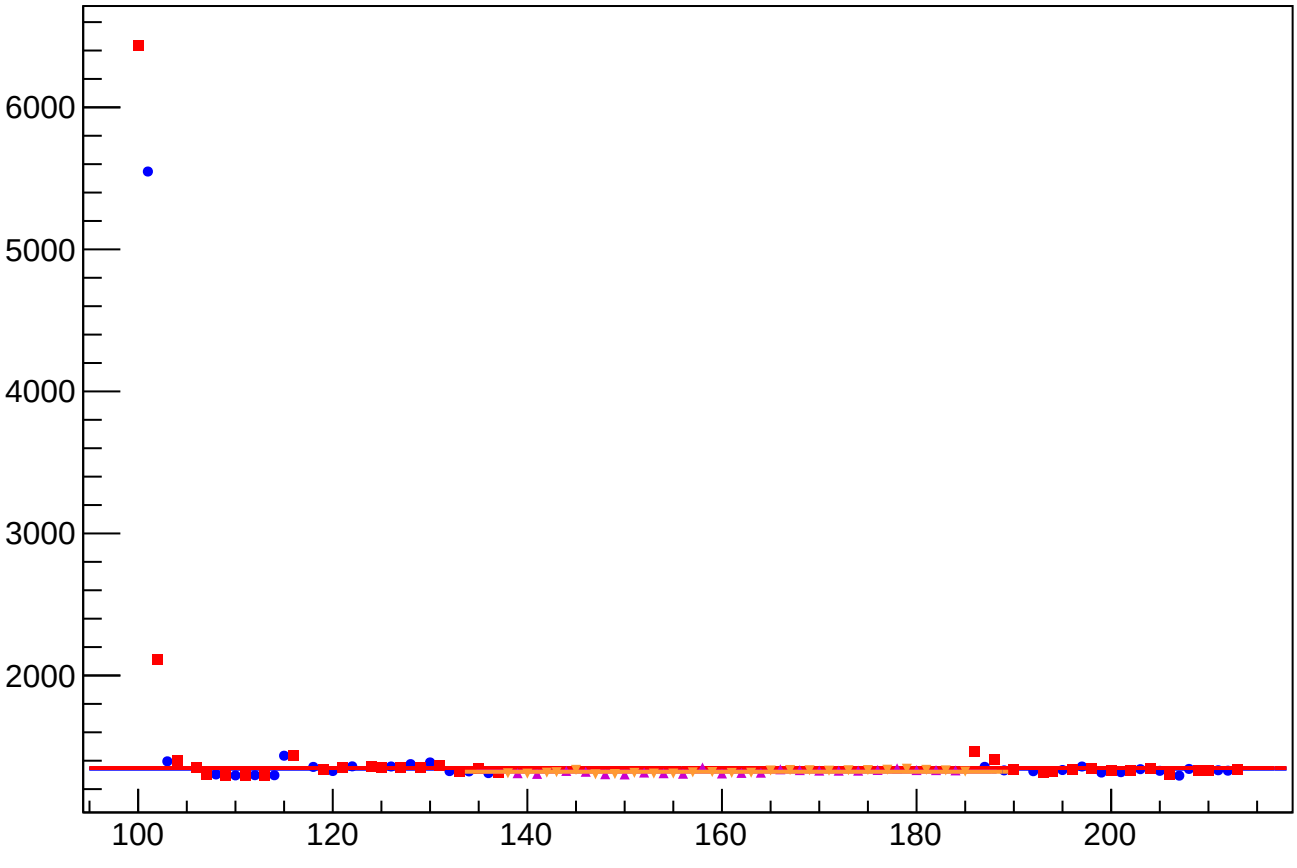
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: 31.434+/-225.852 χ^2/NDF: 57.9/61

In: 73.129+/-224.010 χ^2/NDF:59.1/51

Out: -176.635+/-217.014 χ^2/NDF:57.7/57

All: -55.714+/-155.867 χ^2/NDF: 117.5/109



Right In: 1343.539+/-0.230 χ^2/NDF: 767443.5/28

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

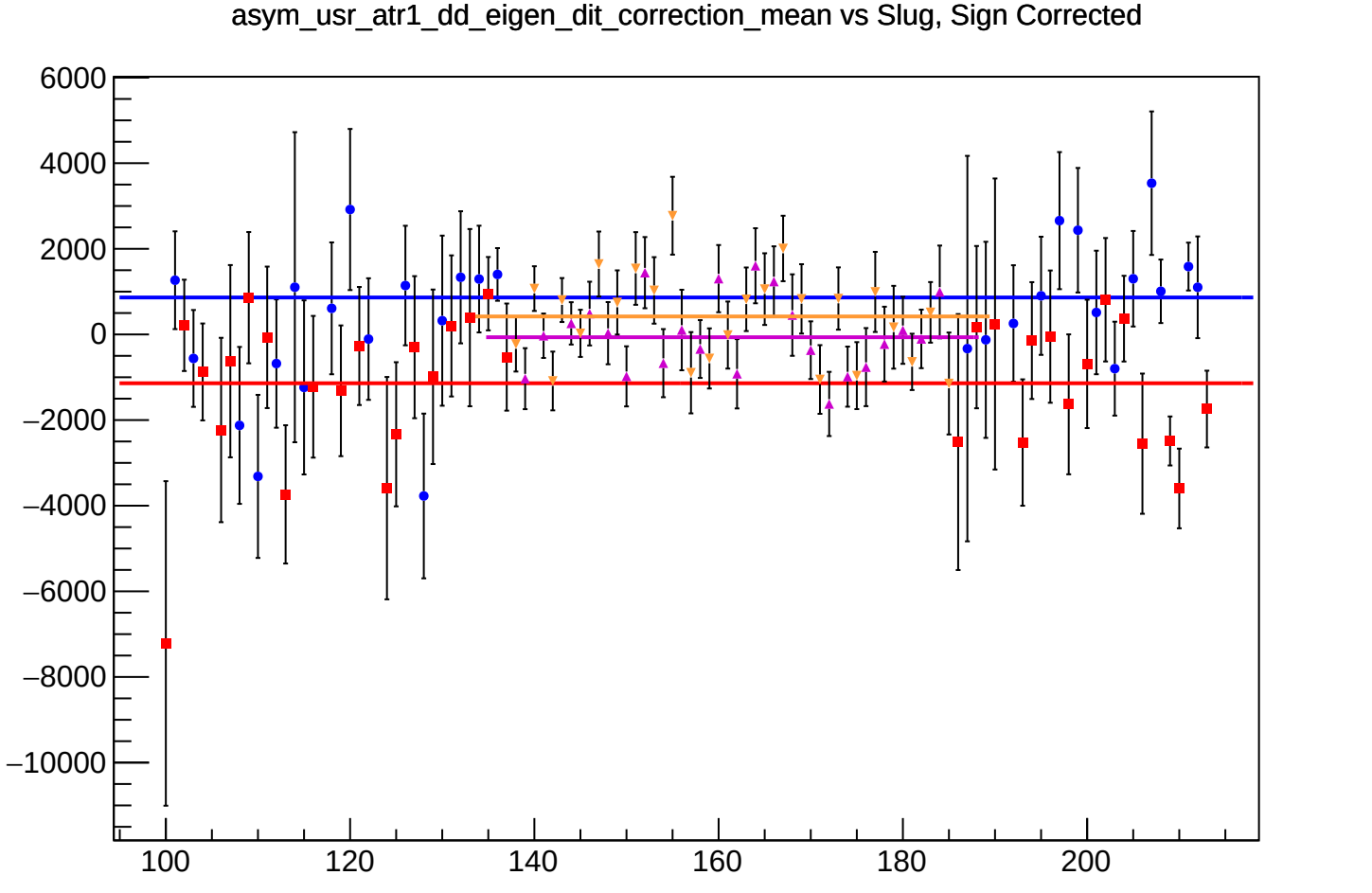
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1346.151+/-0.160 χ^2/NDF: 988125.3/61

In: 1332.921+/-0.158 χ^2/NDF:775355.8/51

Out: 1334.901+/-0.153 χ^2/NDF:230646.8/57

All: 1333.942+/-0.110 χ^2/NDF: 1006083.1/10



Right In: 863.227+/-228.231 χ^2/NDF: 29.6/28

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

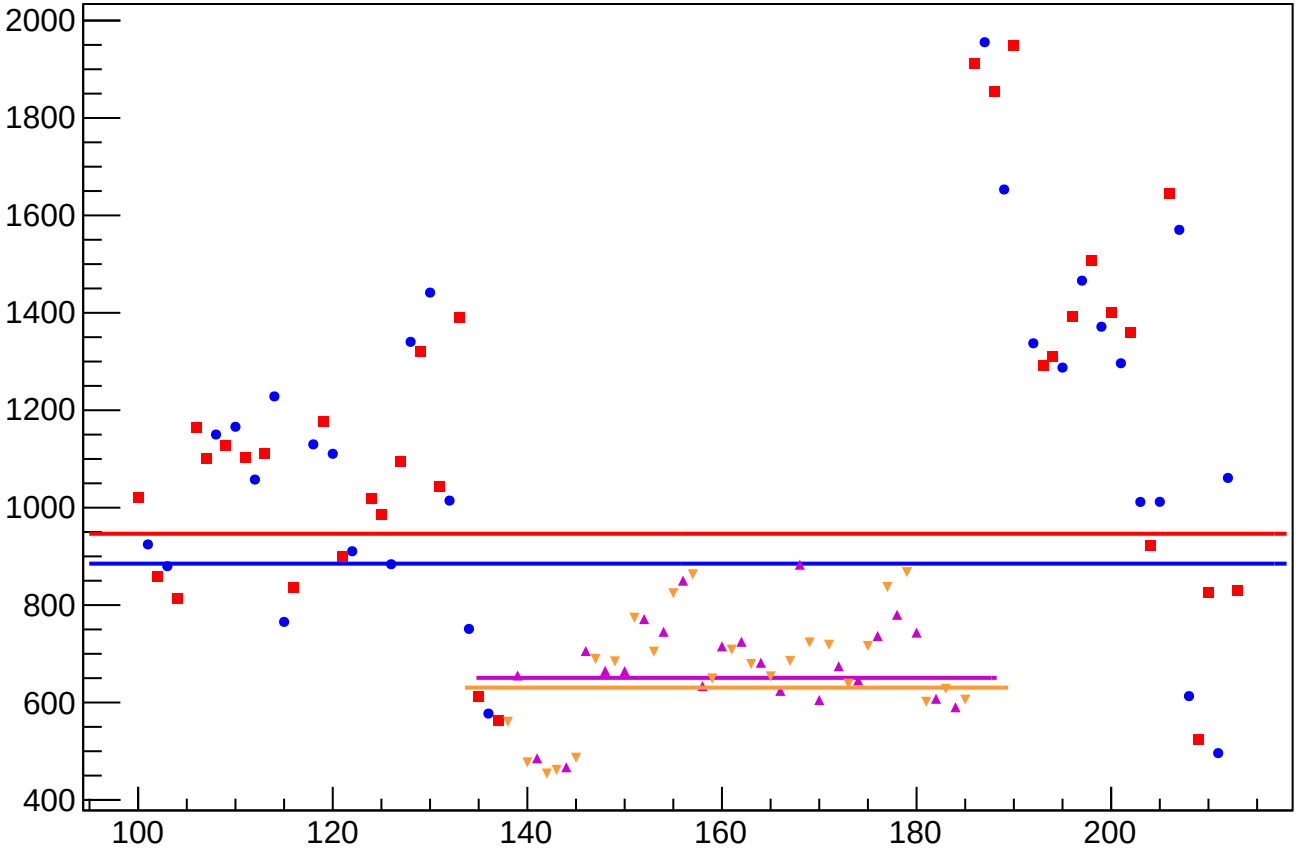
Right: -116.157+/-163.161 χ^2/NDF: 106.7/61

In: 225.704+/-127.785 χ^2/NDF:68.0/51

Out: -20.827+/-124.035 χ^2/NDF:113.1/57

All: 98.768+/-89.002 χ^2/NDF: 183.0/109

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 885.110+/-0.161 χ^2/NDF: 4073728.4/28

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

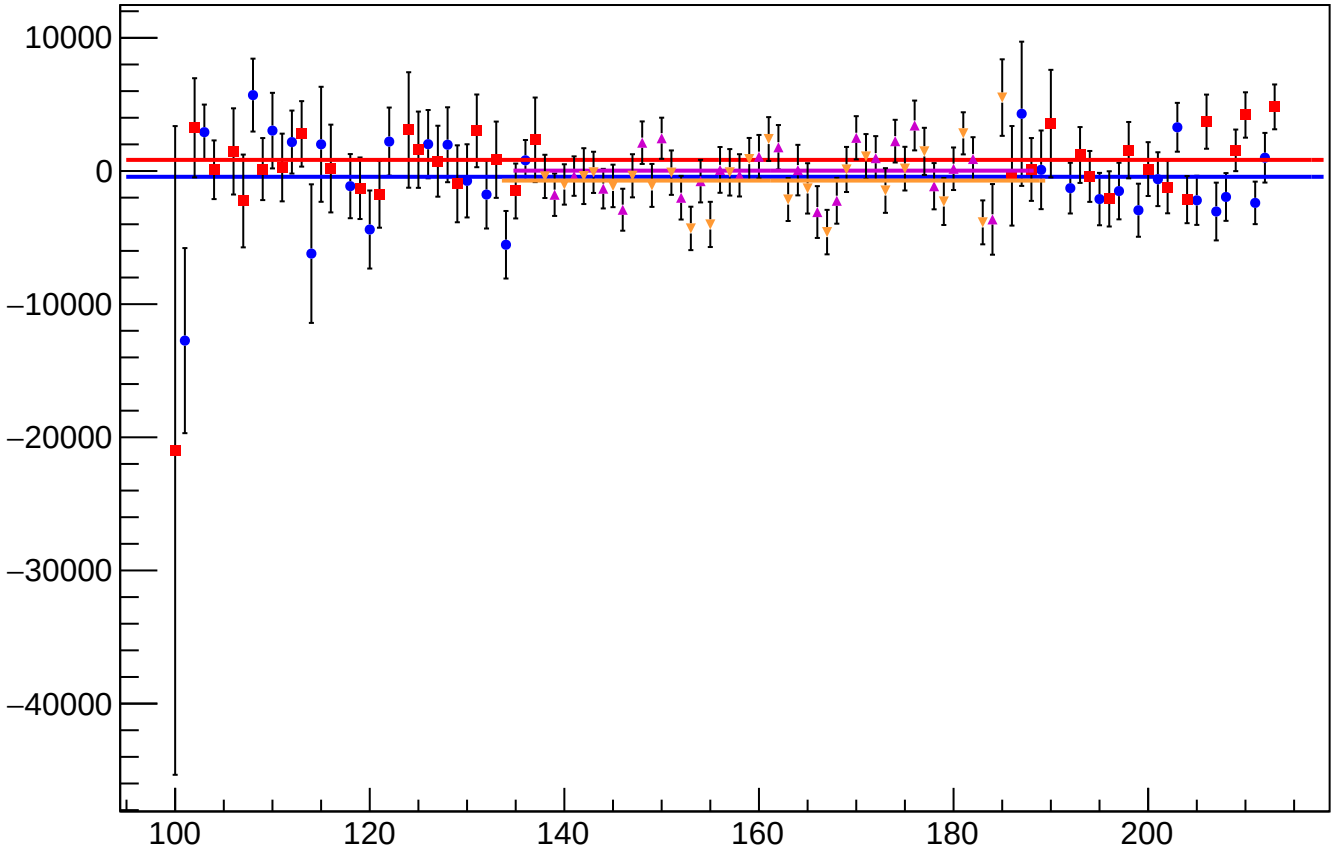
Right: 915.099+/-0.115 χ^2/NDF: 8388423.7/61

In: 724.141+/-0.090 χ^2/NDF:6444979.1/51

Out: 719.838+/-0.088 χ^2/NDF:8201785.9/57

All: 721.925+/-0.063 χ^2/NDF: 14647932.5/10

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: -434.579+/-423.798 χ^2/NDF: 37.5/28

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

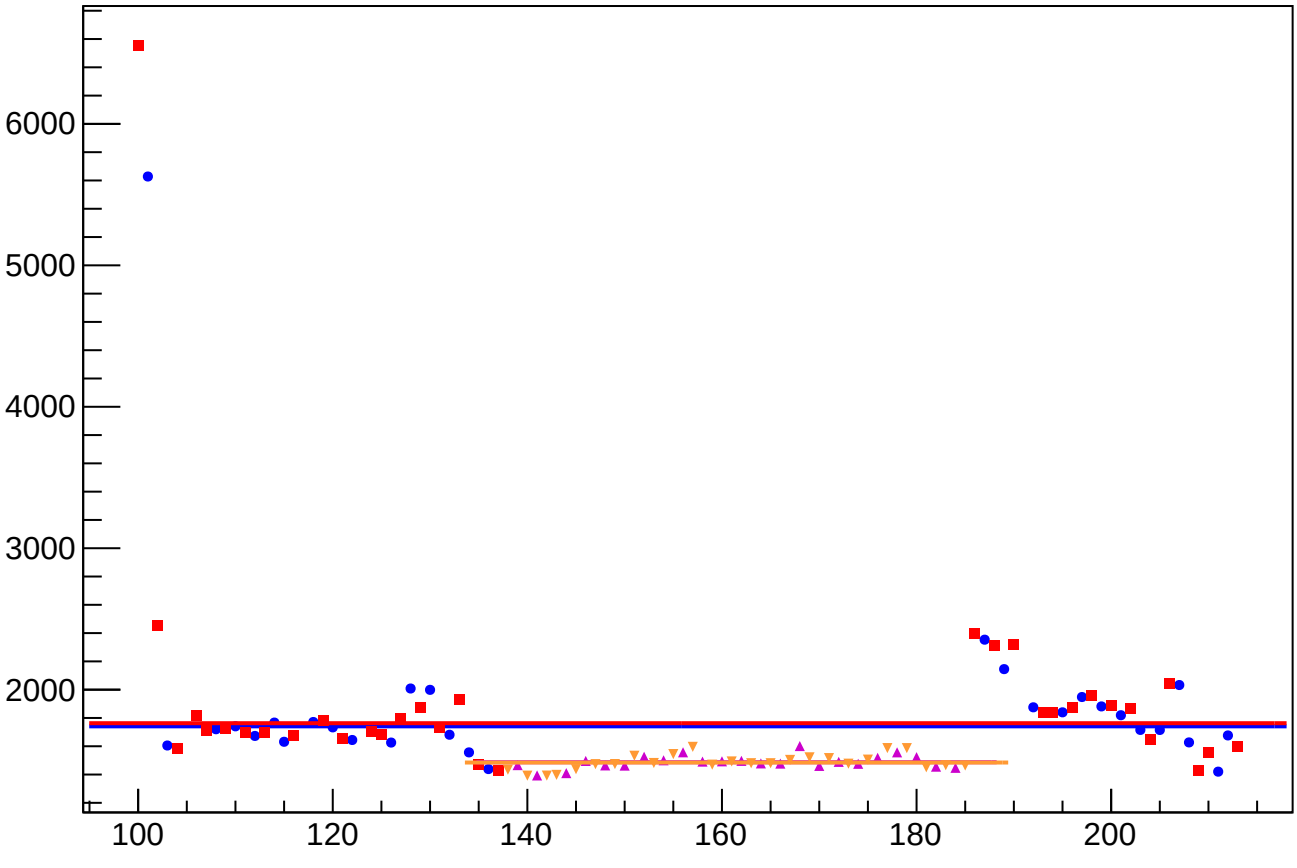
Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

Right: 216.752+/-295.769 χ^2/NDF: 68.8/61

In: -158.210+/-268.676 χ^2/NDF:66.2/51

Out: -96.026+/-261.367 χ^2/NDF:72.9/57

All: -126.261+/-187.345 χ^2/NDF: 139.1/109



Right In: 1740.769+/-0.300 χ^2/NDF: 1008438.7/28

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

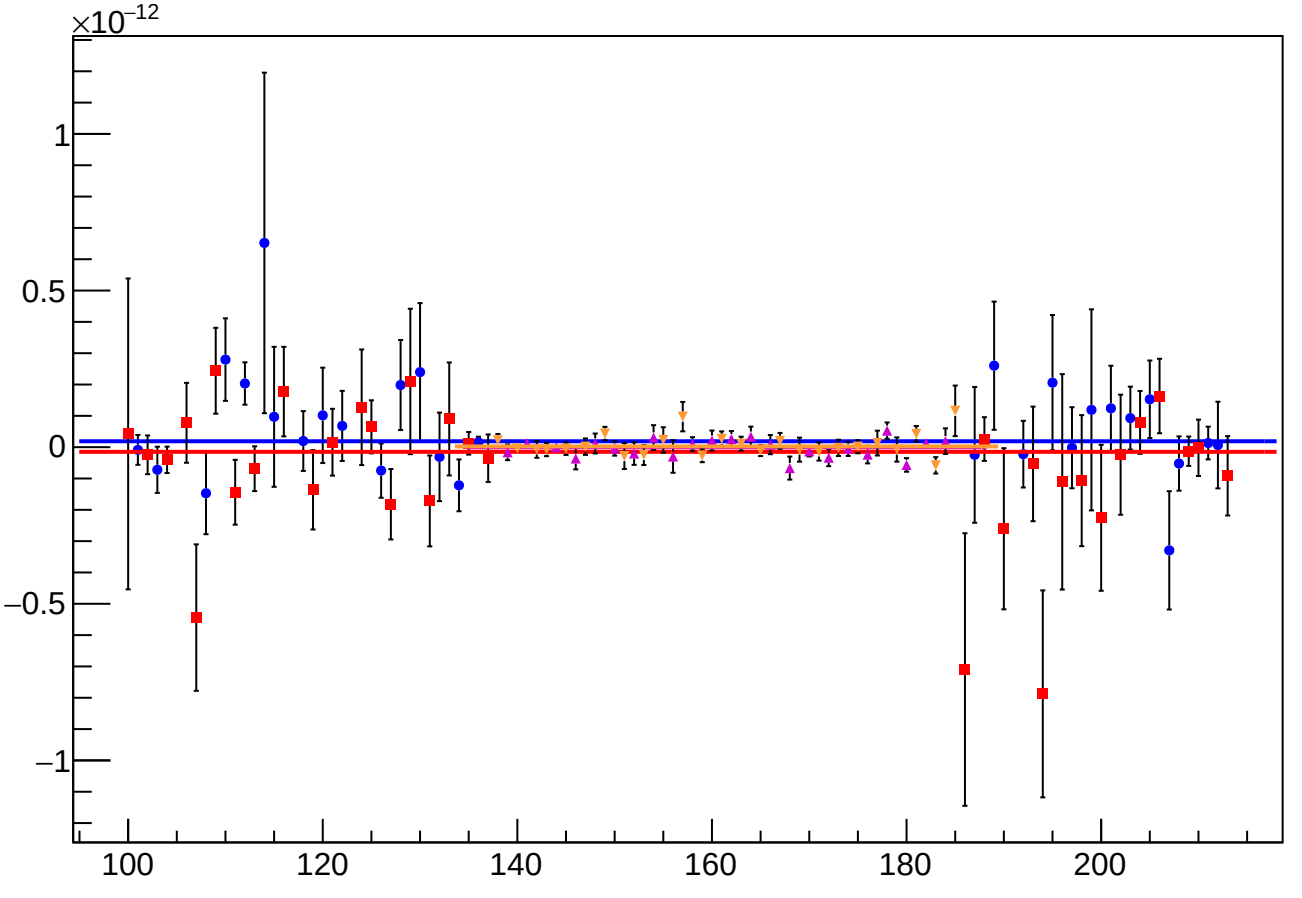
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1752.192+/-0.209 χ^2/NDF: 1686772.0/61

In: 1589.062+/-0.190 χ^2/NDF:1471770.9/51

Out: 1596.344+/-0.185 χ^2/NDF:1269997.8/57

All: 1592.804+/-0.132 χ^2/NDF: 2742523.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 32.4/28

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

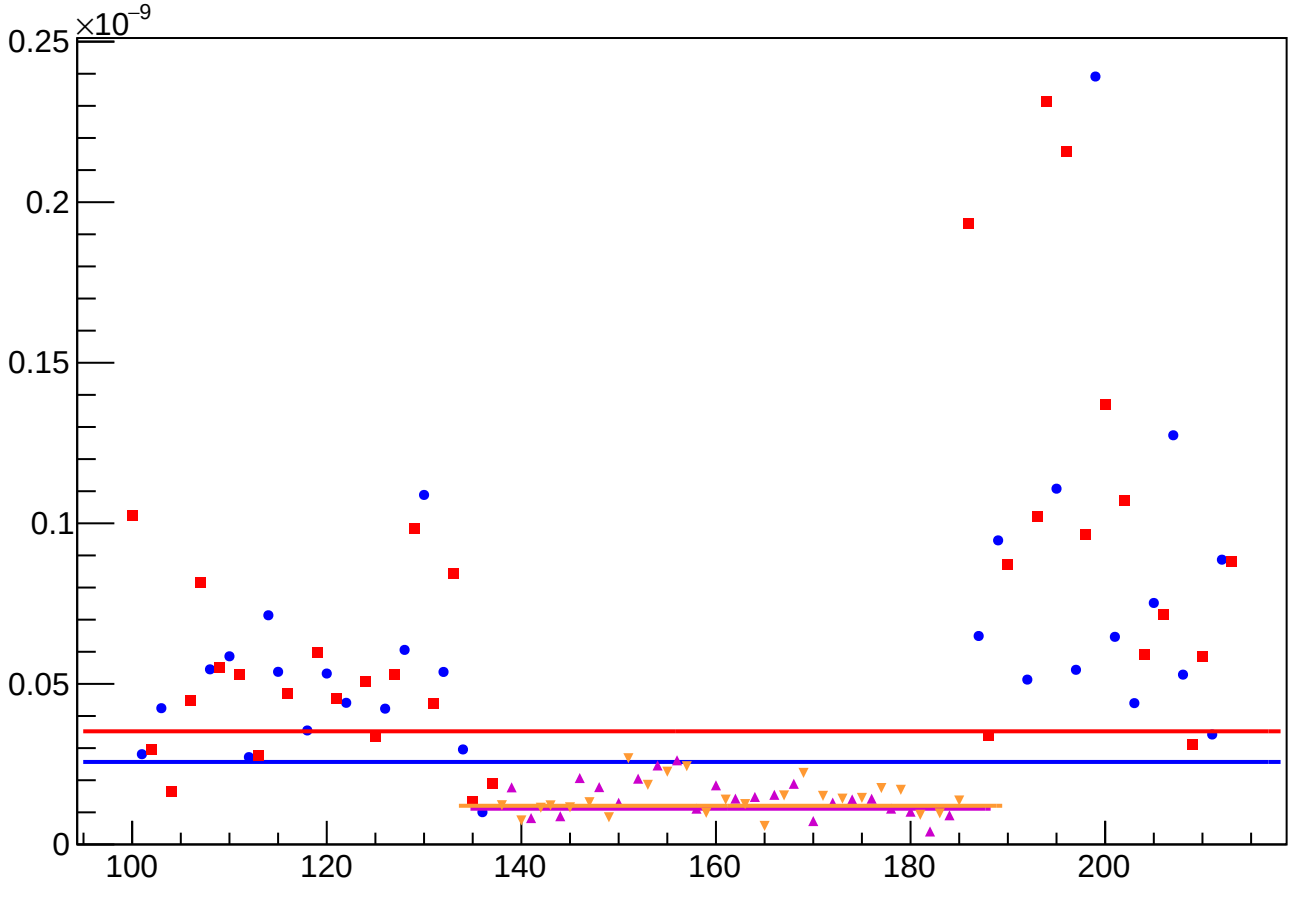
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 70.3/61

In: 0.000+/-0.000 χ^2/NDF:59.2/51

Out: 0.000+/-0.000 χ^2/NDF:61.7/57

All: 0.000+/-0.000 χ^2/NDF: 121.0/109



Right In: 0.000+/-0.000 χ^2/NDF: 6154562.8/28

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

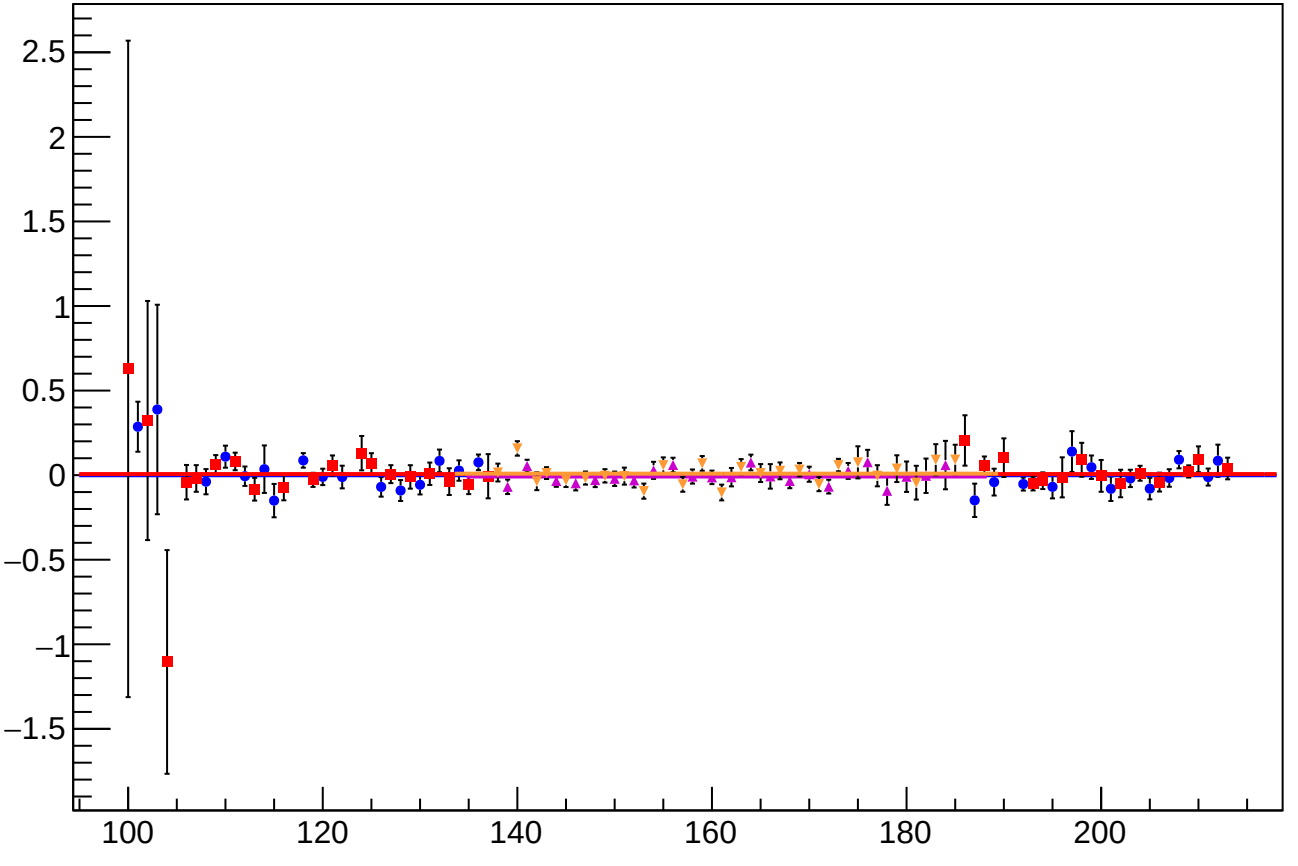
Right: 0.000+/-0.000 χ^2/NDF: 12060701.5/61

In: 0.000+/-0.000 χ^2/NDF:10551275.9/51

Out: 0.000+/-0.000 χ^2/NDF:10818077.8/57

All: 0.000+/-0.000 χ^2/NDF: 21434370.6/109

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.012 χ^2/NDF: 37.2/28

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

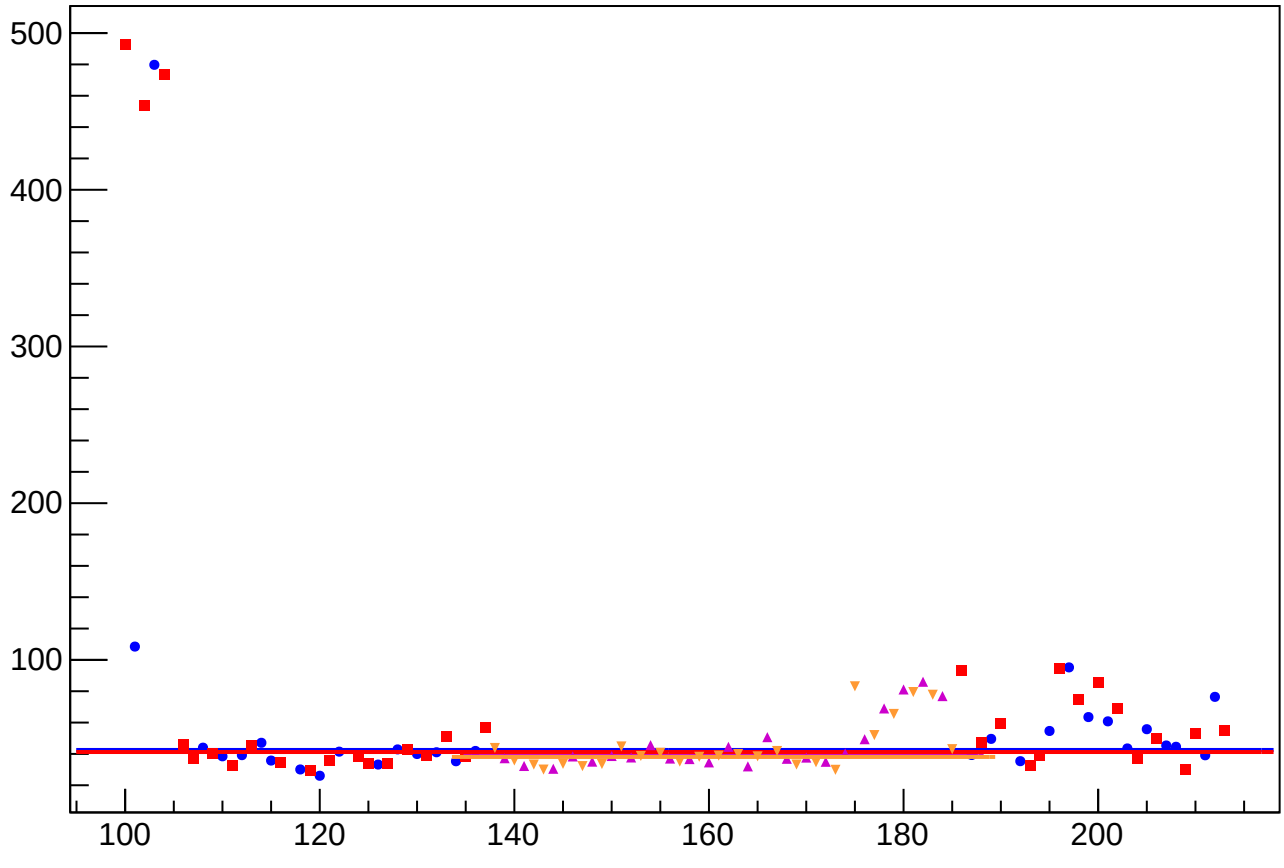
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.003+/-0.008 χ^2/NDF: 62.1/61

In: -0.005+/-0.008 χ^2/NDF:56.3/51

Out: 0.008+/-0.007 χ^2/NDF:63.4/57

All: 0.002+/-0.005 χ^2/NDF: 121.1/109



Right In: 42.521+/-0.008 χ^2/NDF: 3107269.1/28

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

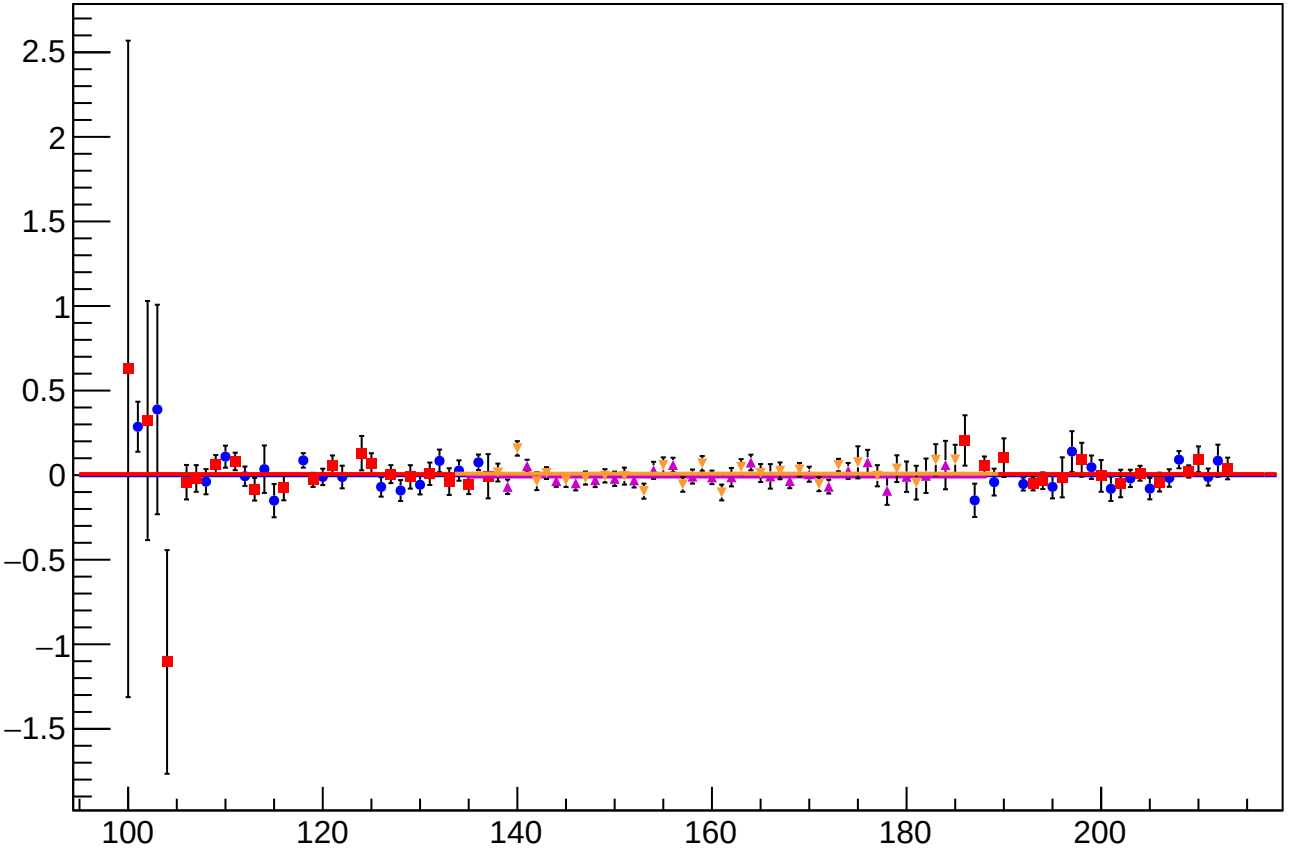
Right: 41.846+/-0.006 χ^2/NDF: 7301880.3/61

In: 40.274+/-0.005 χ^2/NDF:4965051.8/51

Out: 39.383+/-0.005 χ^2/NDF:6238784.1/57

All: 39.814+/-0.004 χ^2/NDF: 11218276.5/109

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.012 χ^2/NDF: 37.2/28

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

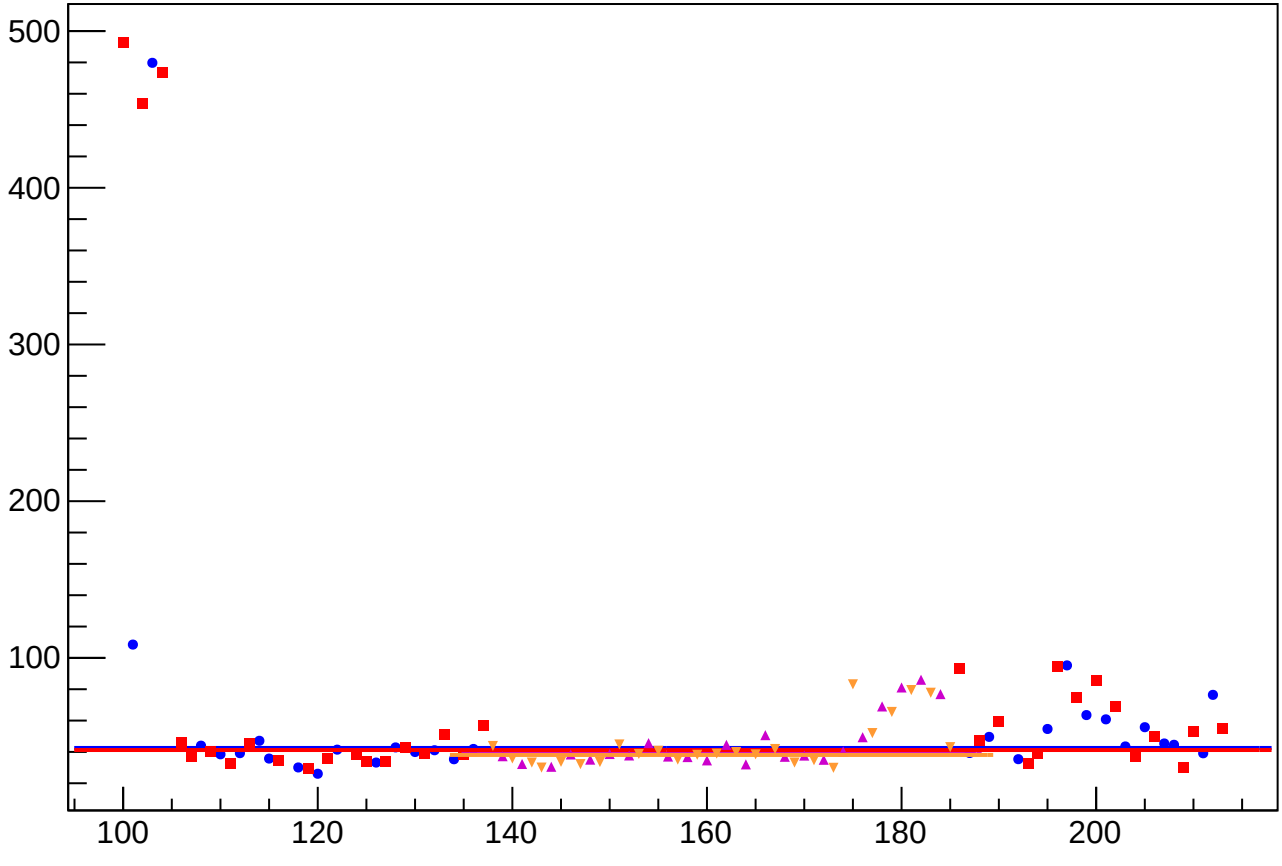
Right: 0.003+/-0.008 χ^2/NDF: 62.1/61

In: -0.005+/-0.008 χ^2/NDF:56.3/51

Out: 0.008+/-0.007 χ^2/NDF:63.4/57

All: 0.002+/-0.005 χ^2/NDF: 121.1/109

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.521+/-0.008 χ^2/NDF: 3107269.1/28

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

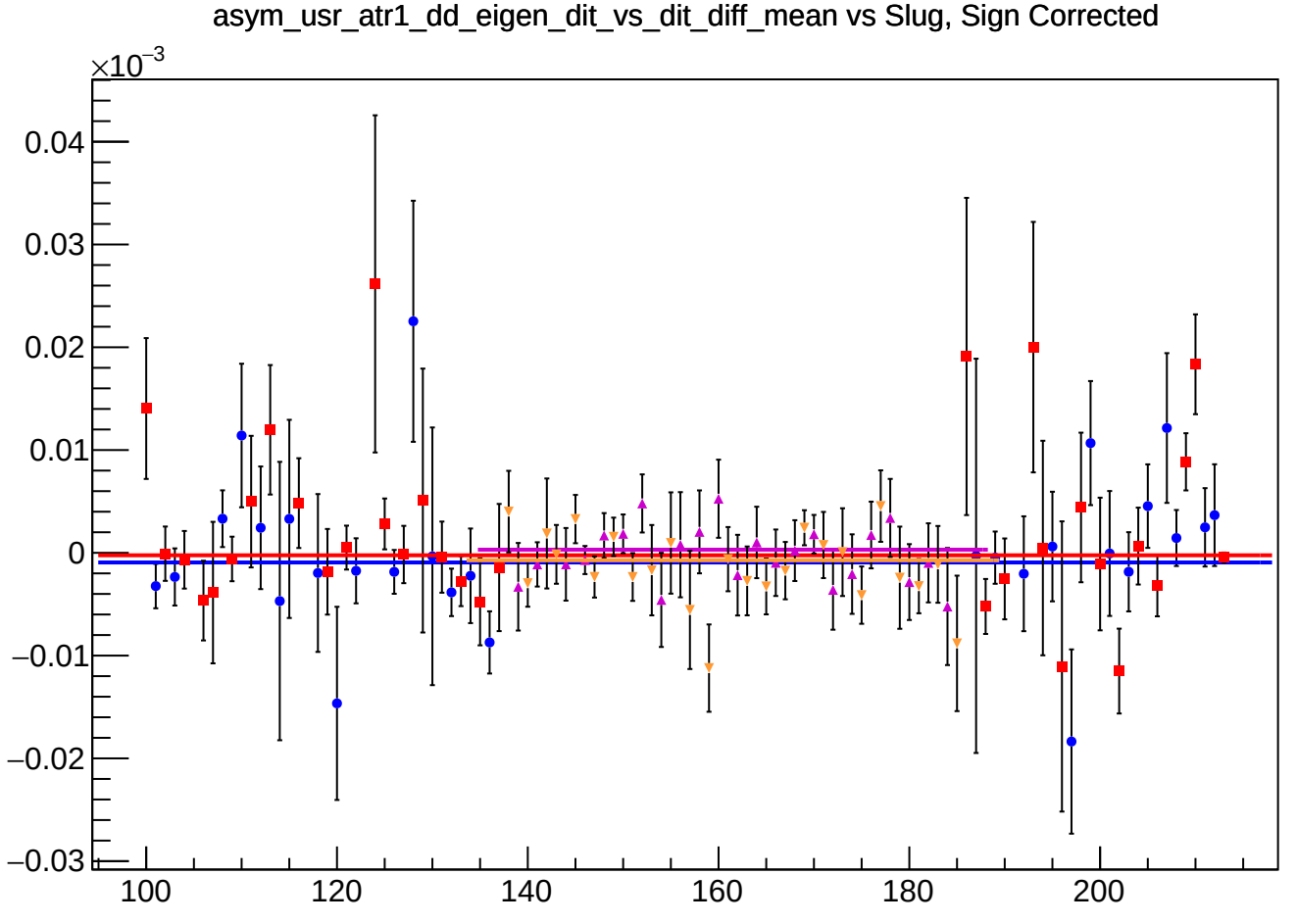
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.846+/-0.006 χ^2/NDF: 7301880.3/61

In: 40.274+/-0.005 χ^2/NDF:4965051.8/51

Out: 39.383+/-0.005 χ^2/NDF:6238784.1/57

All: 39.814+/-0.004 χ^2/NDF: 11218276.5/109



Right In: -0.000+/-0.000 χ^2/NDF: 37.4/28

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

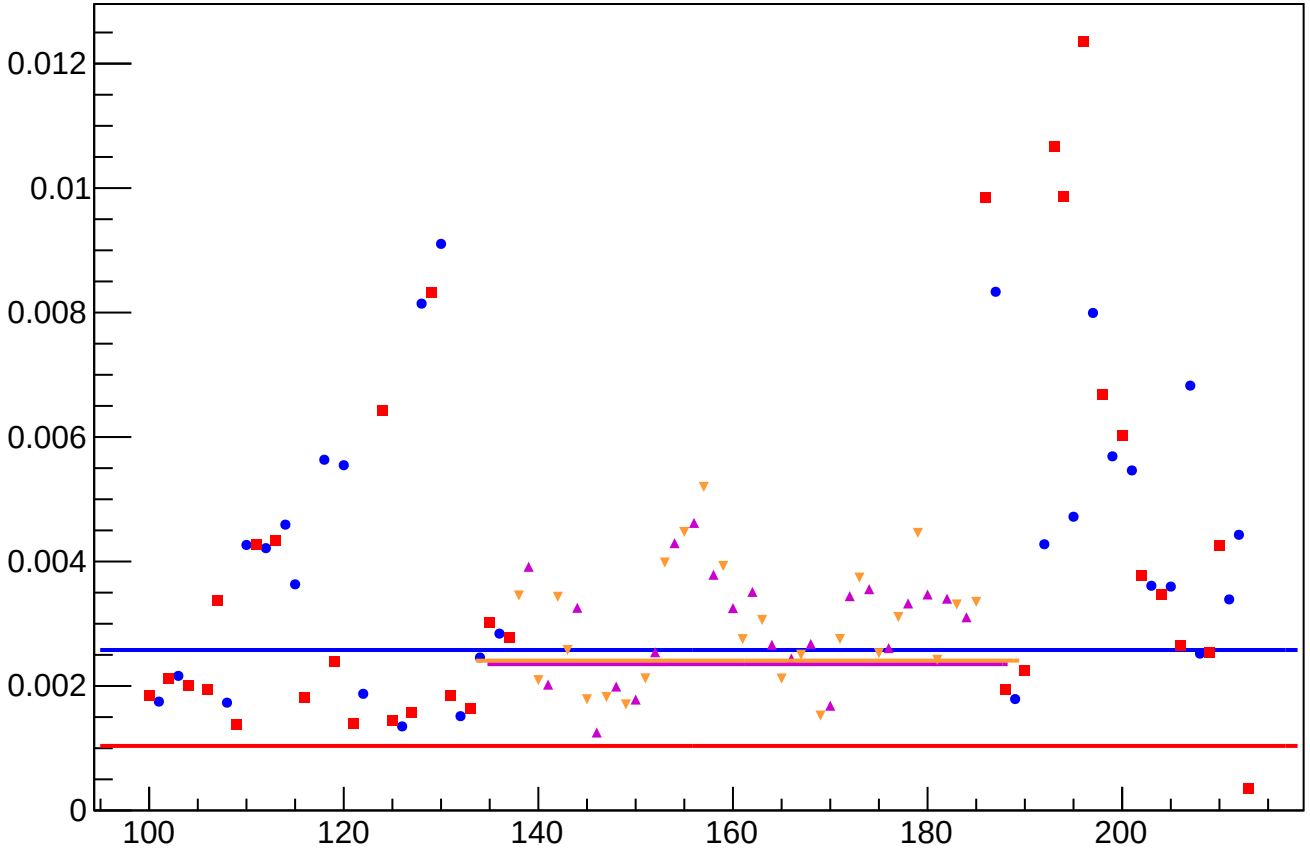
Right: -0.000+/-0.000 χ^2/NDF: 99.8/61

In: -0.000+/-0.000 χ^2/NDF:52.9/51

Out: -0.000+/-0.000 χ^2/NDF:88.8/57

All: -0.000+/-0.000 χ^2/NDF: 141.8/109

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 7488046.7/28

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

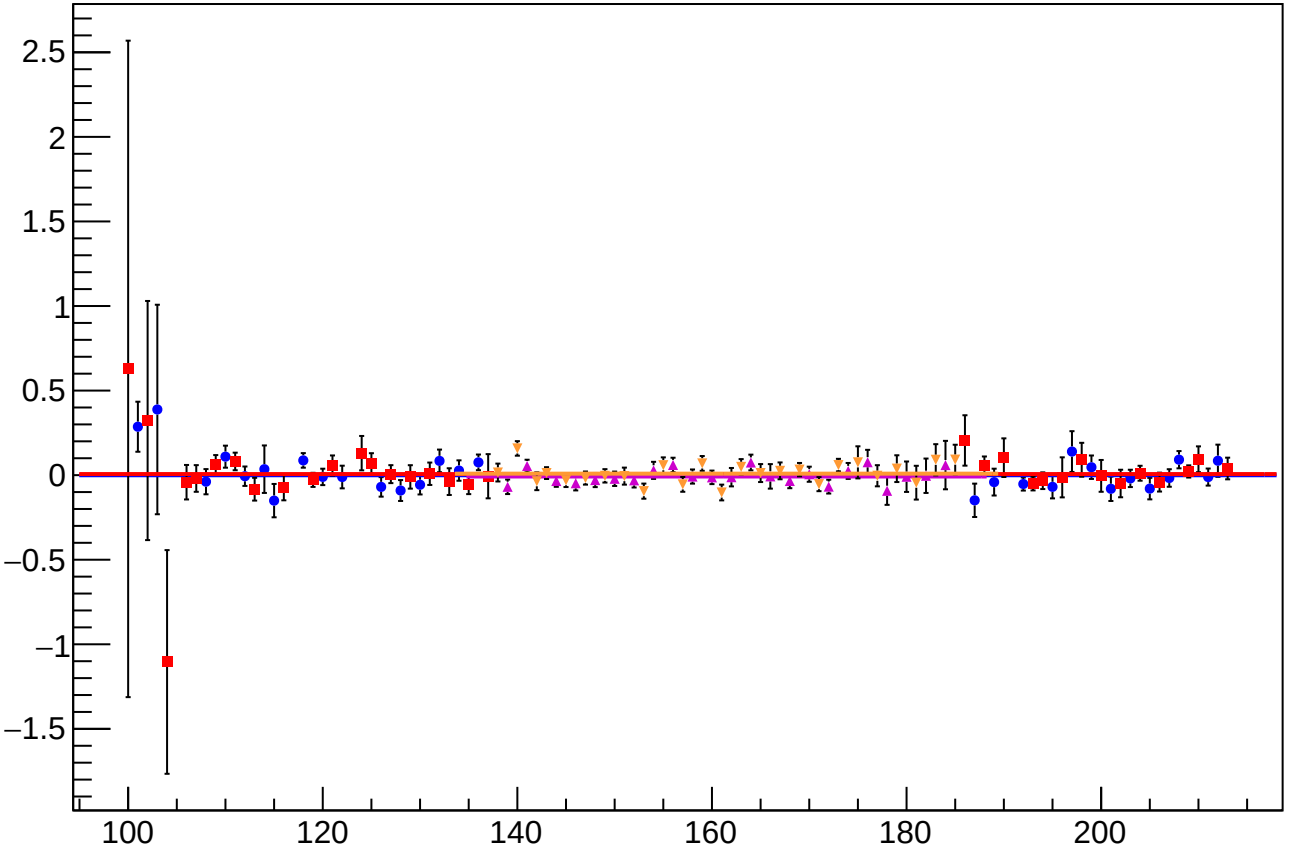
Right: 0.001+/-0.000 χ^2/NDF: 33952013.5/61

In: 0.002+/-0.000 χ^2/NDF:12045071.1/51

Out: 0.001+/-0.000 χ^2/NDF:30676237.6/57

All: 0.002+/-0.000 χ^2/NDF: 48820044.3/109

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.012 χ^2/NDF: 37.2/28

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

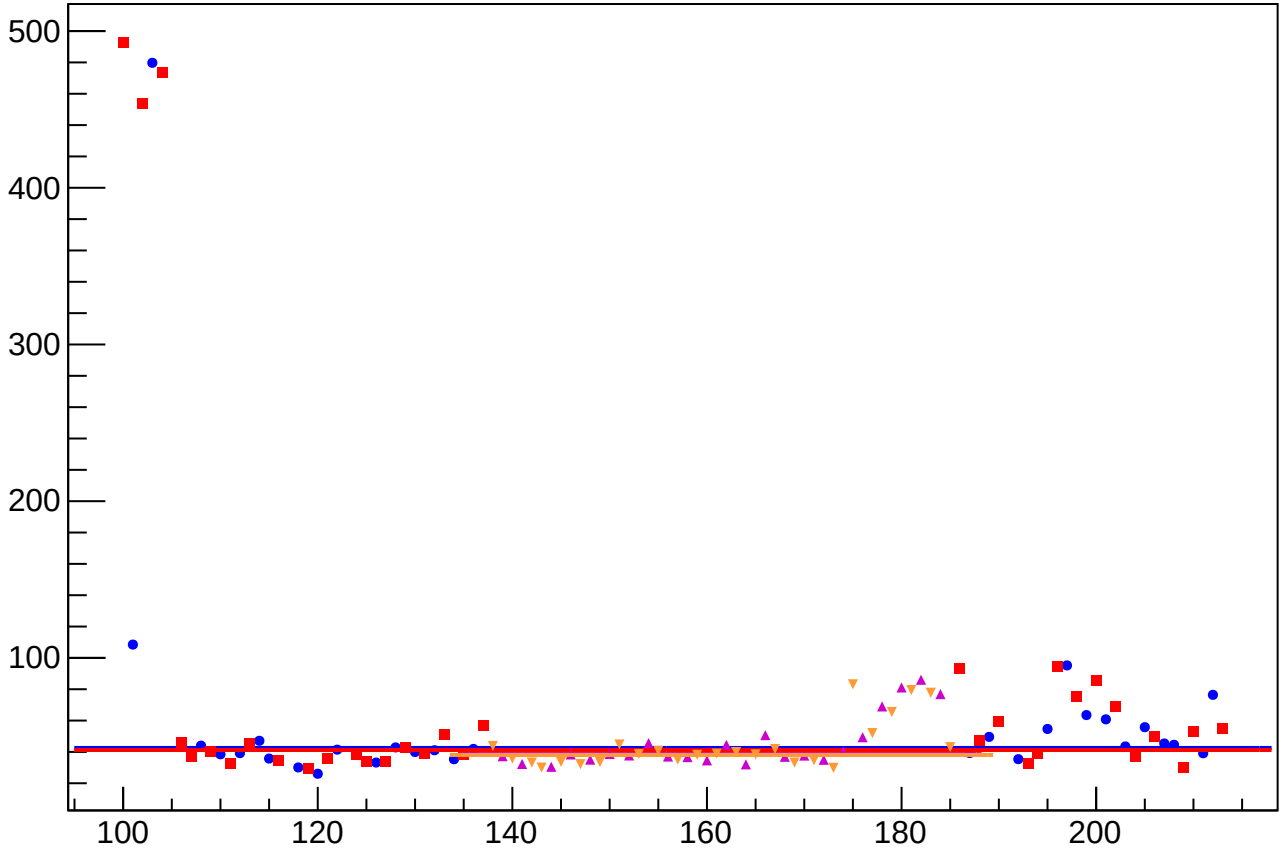
Right: 0.003+/-0.008 χ^2/NDF: 62.1/61

In: -0.005+/-0.008 χ^2/NDF:56.3/51

Out: 0.008+/-0.007 χ^2/NDF:63.4/57

All: 0.002+/-0.005 χ^2/NDF: 121.1/109

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.521+/-0.008 χ^2/NDF: 3107496.1/28

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

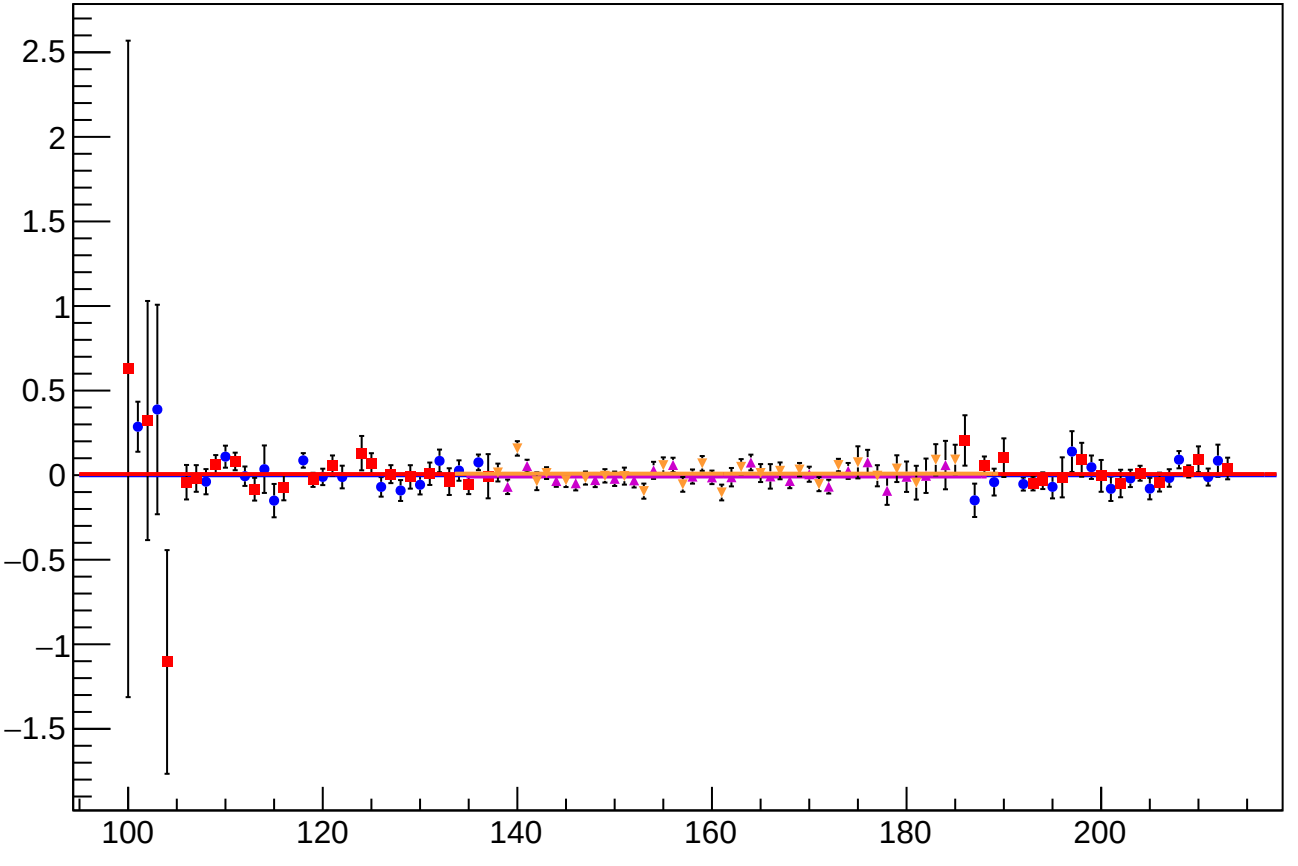
Right: 41.845+/-0.006 χ^2/NDF: 7302697.0/61

In: 40.273+/-0.005 χ^2/NDF:4965299.3/51

Out: 39.381+/-0.005 χ^2/NDF:6239173.4/57

All: 39.813+/-0.004 χ^2/NDF: 11218939.3/109

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.012 χ^2/NDF: 37.2/28

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

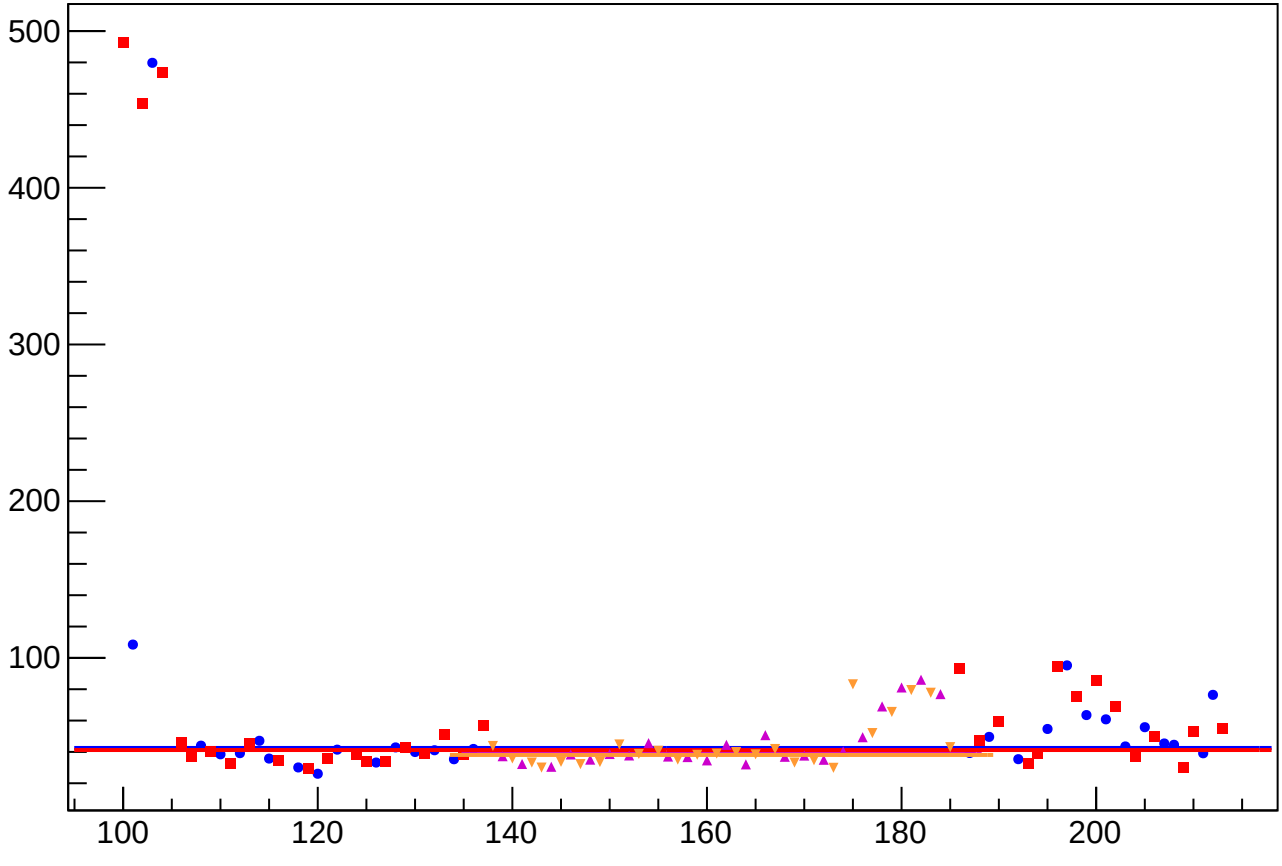
Right: 0.003+/-0.008 χ^2/NDF: 62.1/61

In: -0.005+/-0.008 χ^2/NDF:56.3/51

Out: 0.008+/-0.007 χ^2/NDF:63.4/57

All: 0.002+/-0.005 χ^2/NDF: 121.1/109

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.521+/-0.008 χ^2/NDF: 3107496.1/28

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

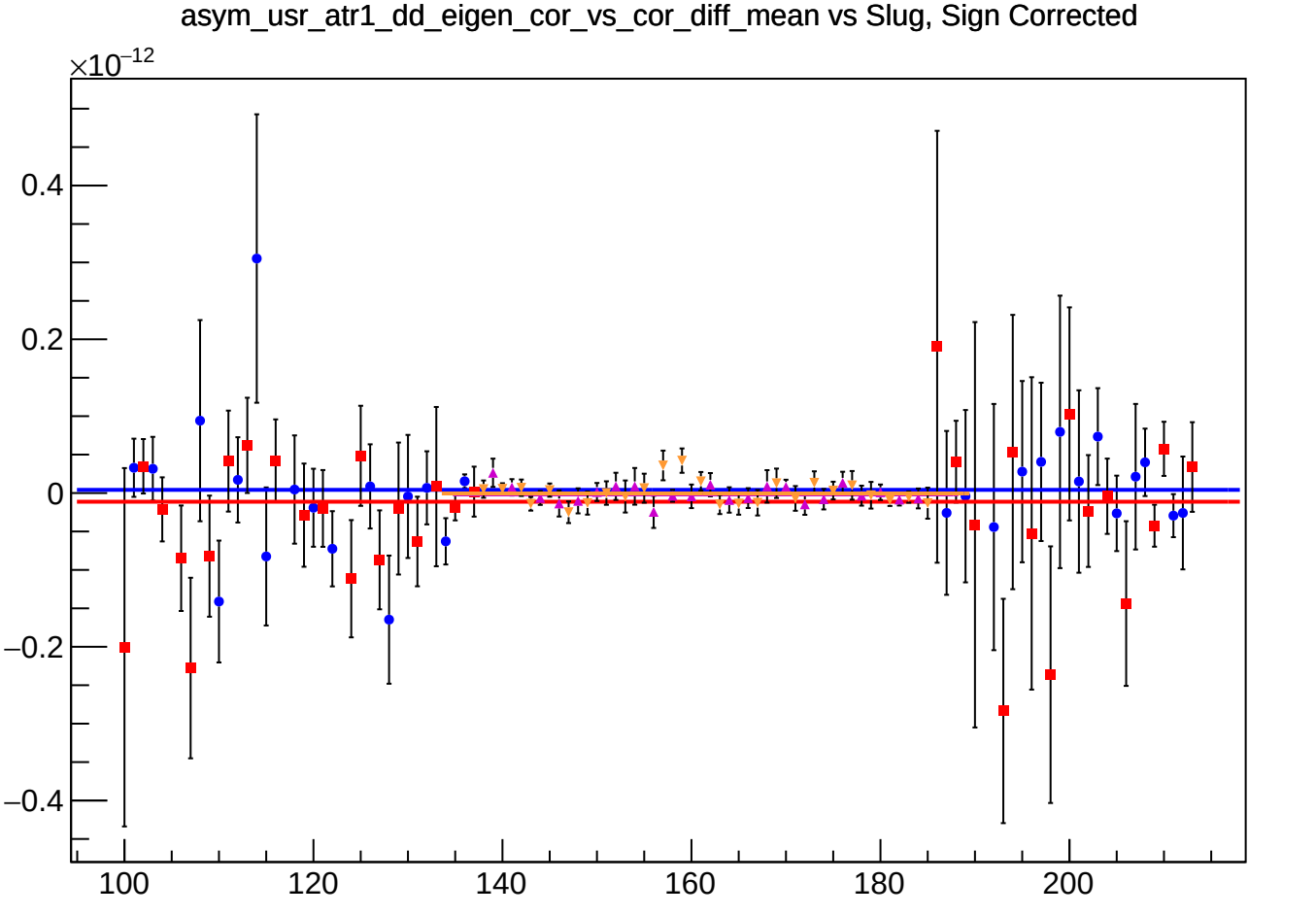
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

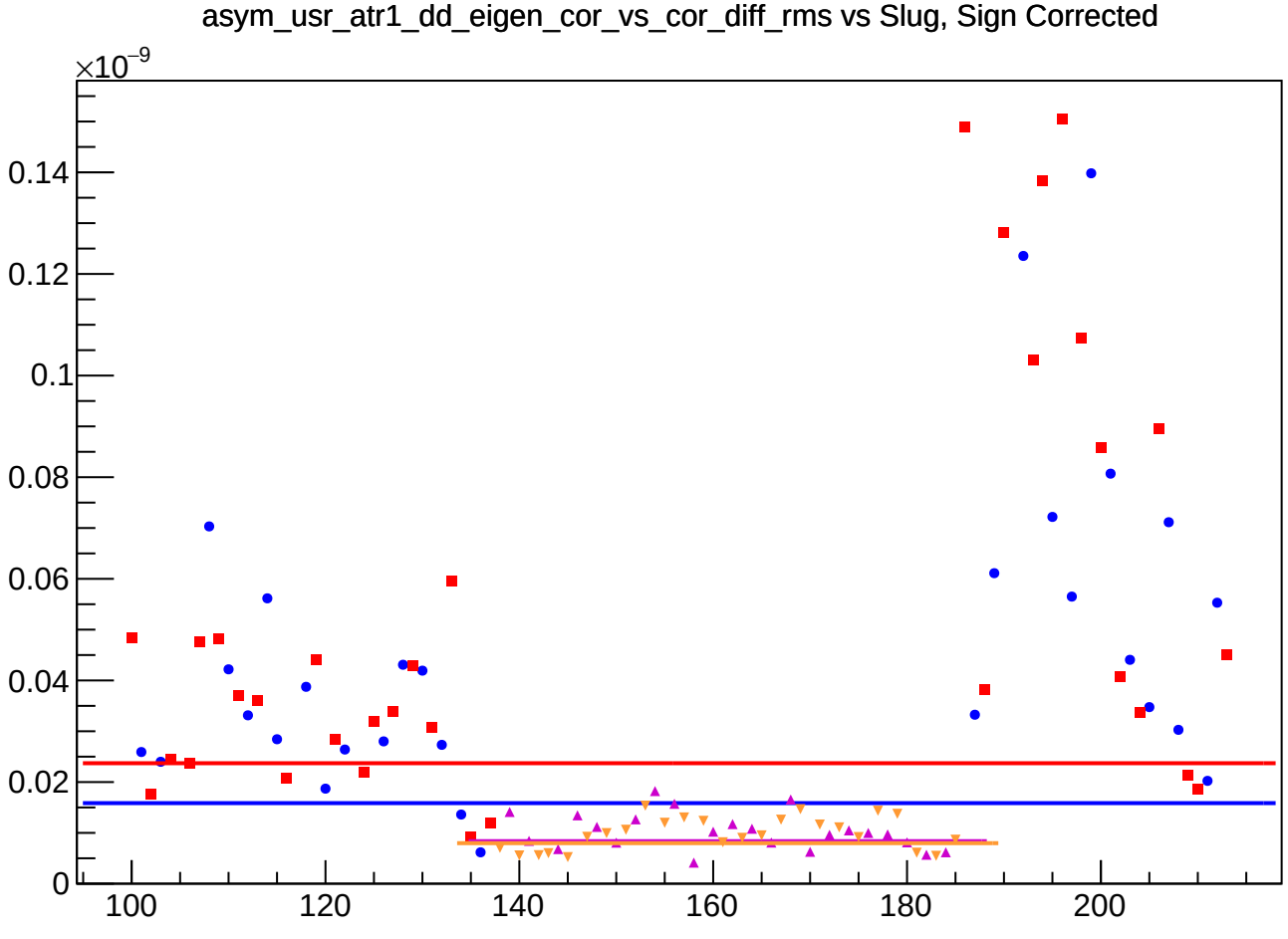
Right: 41.845+/-0.006 χ^2/NDF: 7302697.0/61

In: 40.273+/-0.005 χ^2/NDF:4965299.3/51

Out: 39.381+/-0.005 χ^2/NDF:6239173.4/57

All: 39.813+/-0.004 χ^2/NDF: 11218939.3/109


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.1/28
Left Out: -0.000+/-0.000 χ²/NDF:26.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.0/32
Left In: -0.000+/-0.000 χ²/NDF:11.6/22
Left: -0.000+/-0.000 χ²/NDF: 38.6/47
Right: -0.000+/-0.000 χ²/NDF: 59.0/61
In: -0.000+/-0.000 χ²/NDF:38.4/51
Out: -0.000+/-0.000 χ²/NDF:59.3/57
All: -0.000+/-0.000 χ²/NDF: 97.6/109



Right In: 0.000+/-0.000 χ^2/NDF: 10235592.8/28

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

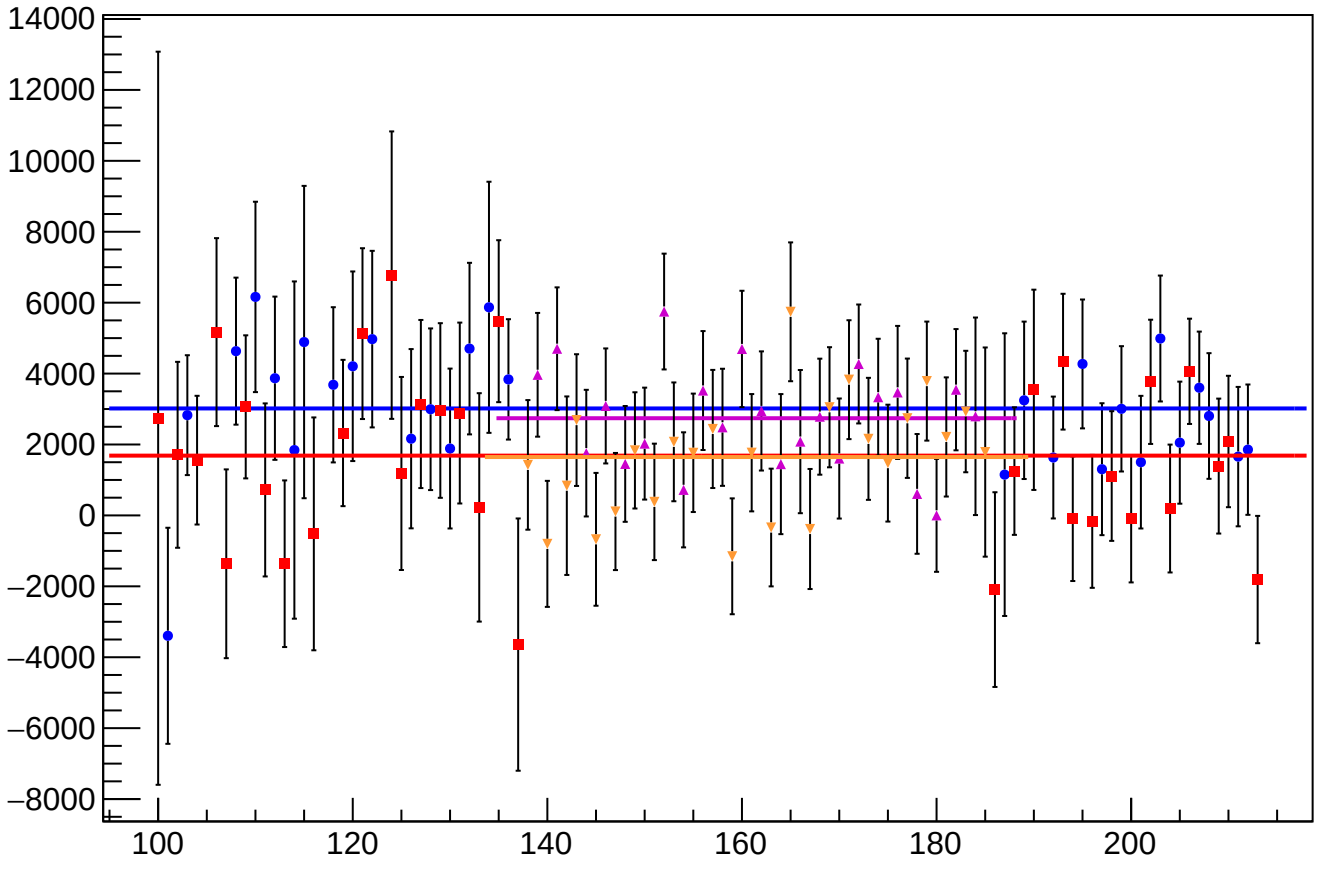
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 19360230.5/61

In: 0.000+/-0.000 χ^2/NDF:15061961.9/51

Out: 0.000+/-0.000 χ^2/NDF:16827106.1/57

All: 0.000+/-0.000 χ^2/NDF: 31897879.2/109



Right In: 3016.629+/-392.351 χ^2/NDF: 14.9/28

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

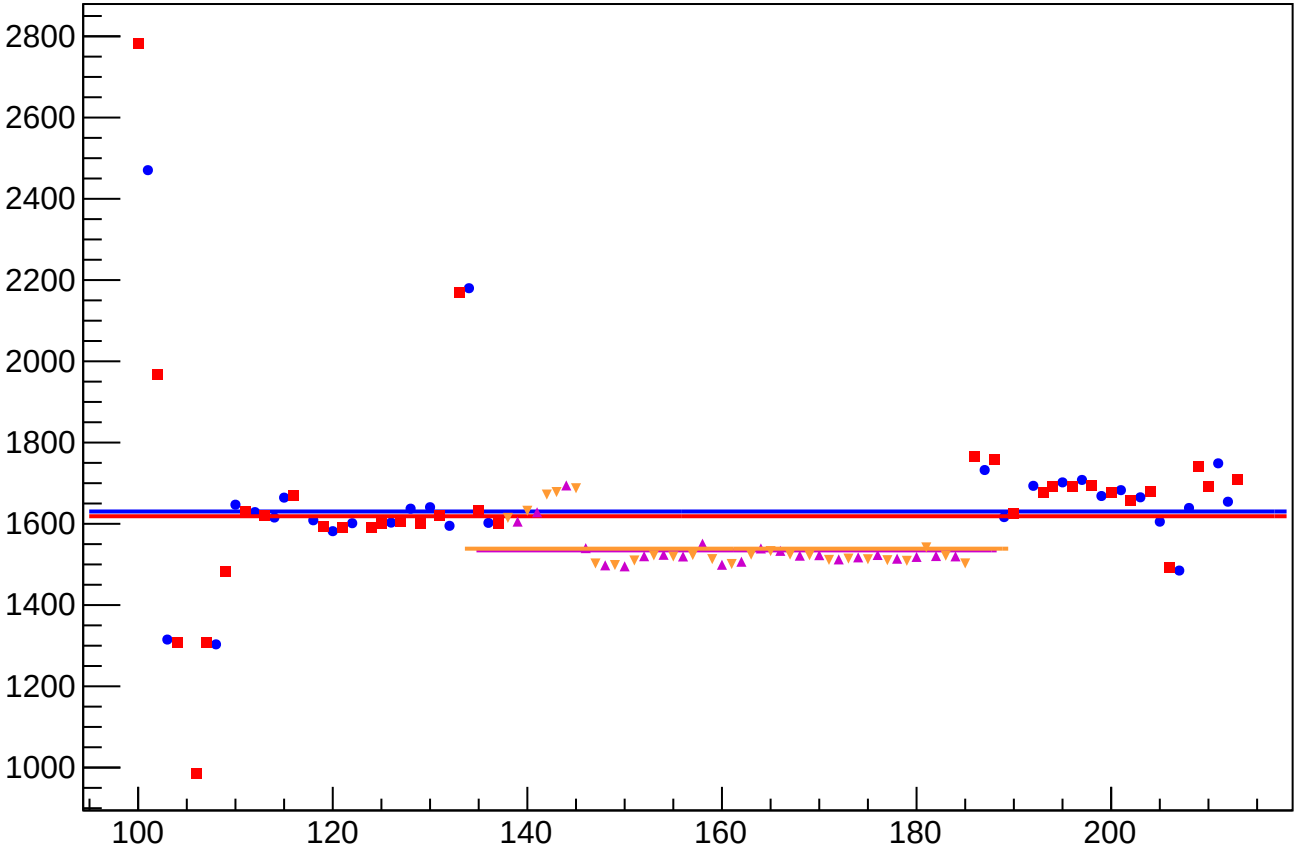
Right: 2330.307+/-273.022 χ^2/NDF: 52.4/61

In: 2866.357+/-264.641 χ^2/NDF:31.6/51

Out: 1664.541+/-257.394 χ^2/NDF:52.6/57

All: 2248.770+/-184.514 χ^2/NDF: 94.8/109

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1630.347+/-0.277 χ^2/NDF: 361127.9/28

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

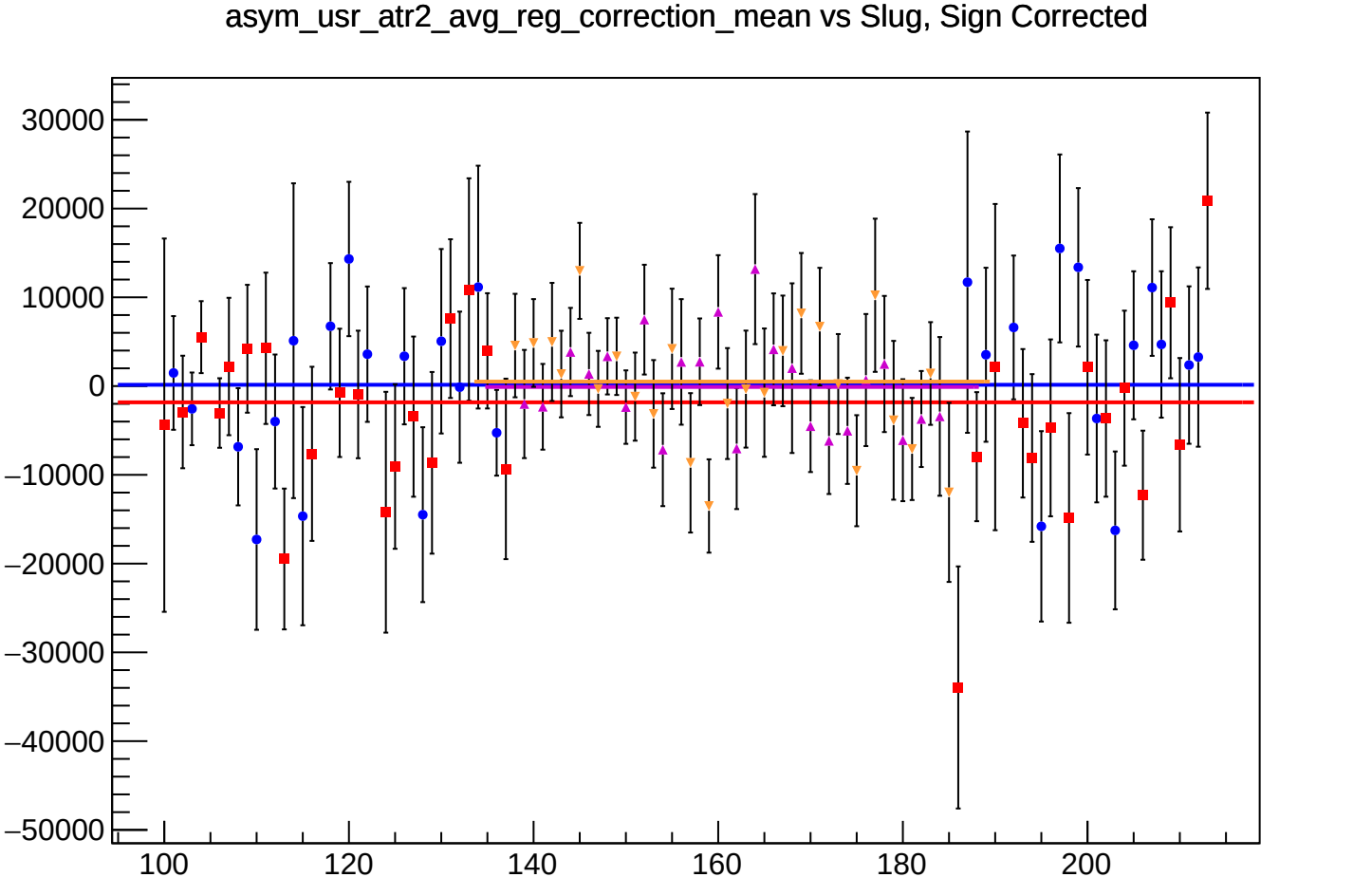
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1624.261+/-0.192 χ^2/NDF: 836566.9/61

In: 1578.168+/-0.187 χ^2/NDF:457147.4/51

Out: 1575.682+/-0.181 χ^2/NDF:569684.1/57

All: 1576.886+/-0.130 χ^2/NDF: 1026922.5/10



Right In: 144.644+/-1500.128 χ^2/NDF: 28.7/28

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

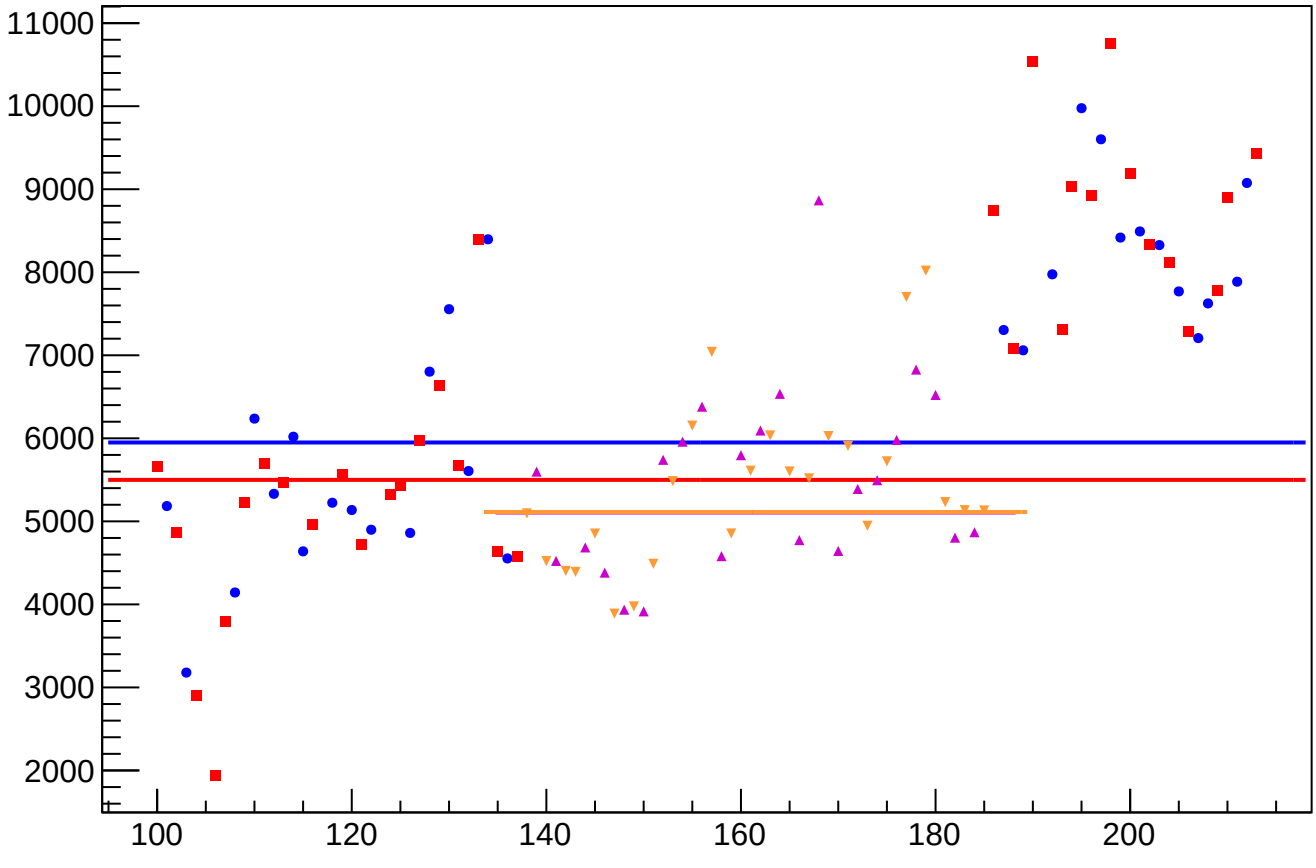
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: -919.534+/-1019.066 χ^2/NDF: 62.9/61

In: -1.580+/-945.376 χ^2/NDF:43.6/51

Out: -482.359+/-902.426 χ^2/NDF:61.7/57

All: -253.139+/-652.767 χ^2/NDF: 105.4/109



Right In: 5949.918+/-1.061 χ^2/NDF: 3188301.5/28

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

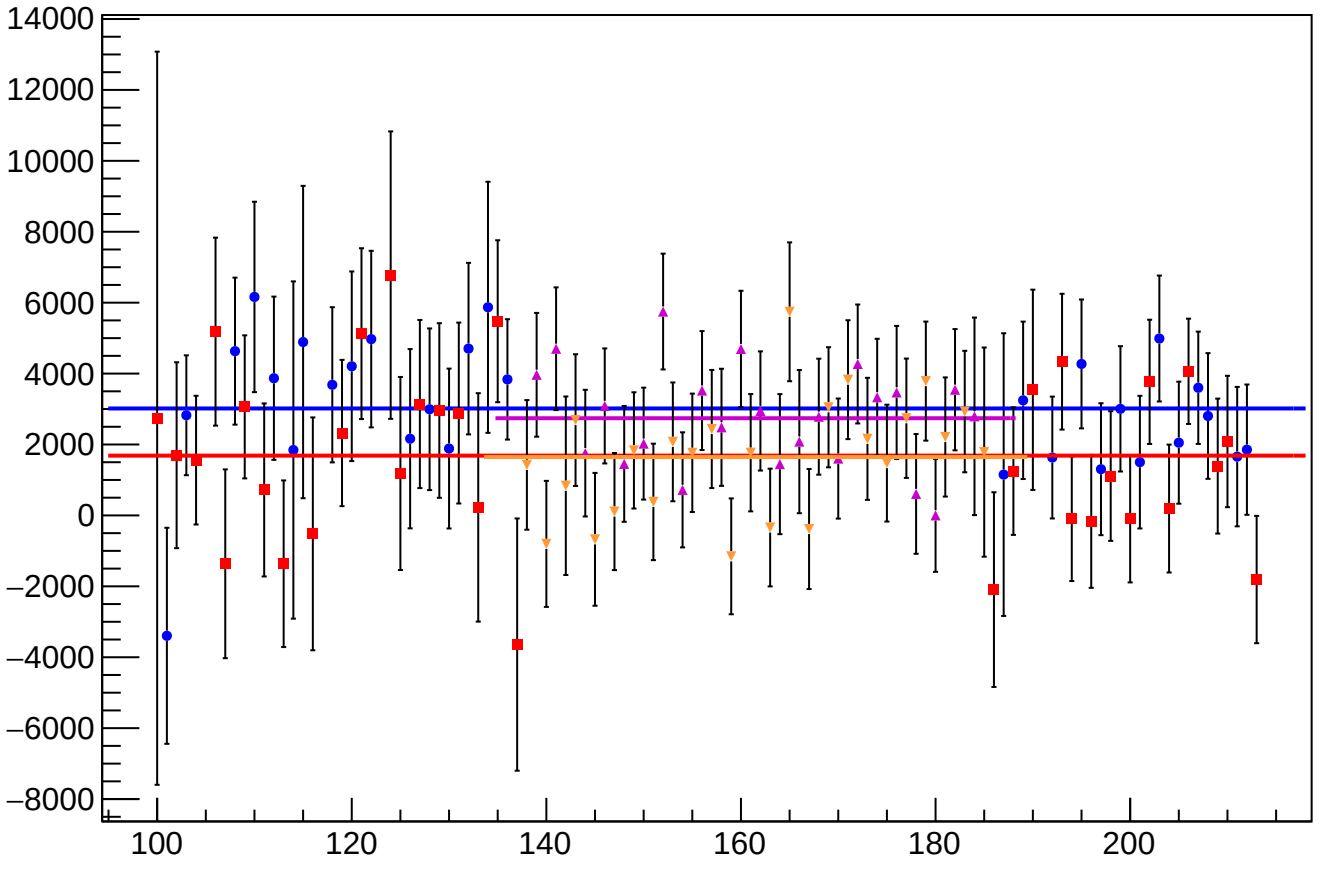
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5707.305+/-0.721 χ^2/NDF: 8951829.8/61

In: 5441.393+/-0.668 χ^2/NDF:4821154.0/51

Out: 5276.154+/-0.638 χ^2/NDF:6914878.5/57

All: 5354.935+/-0.462 χ^2/NDF: 11768002.5/1



Right In: 3016.530+/-392.351 χ^2/NDF: 14.9/28

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

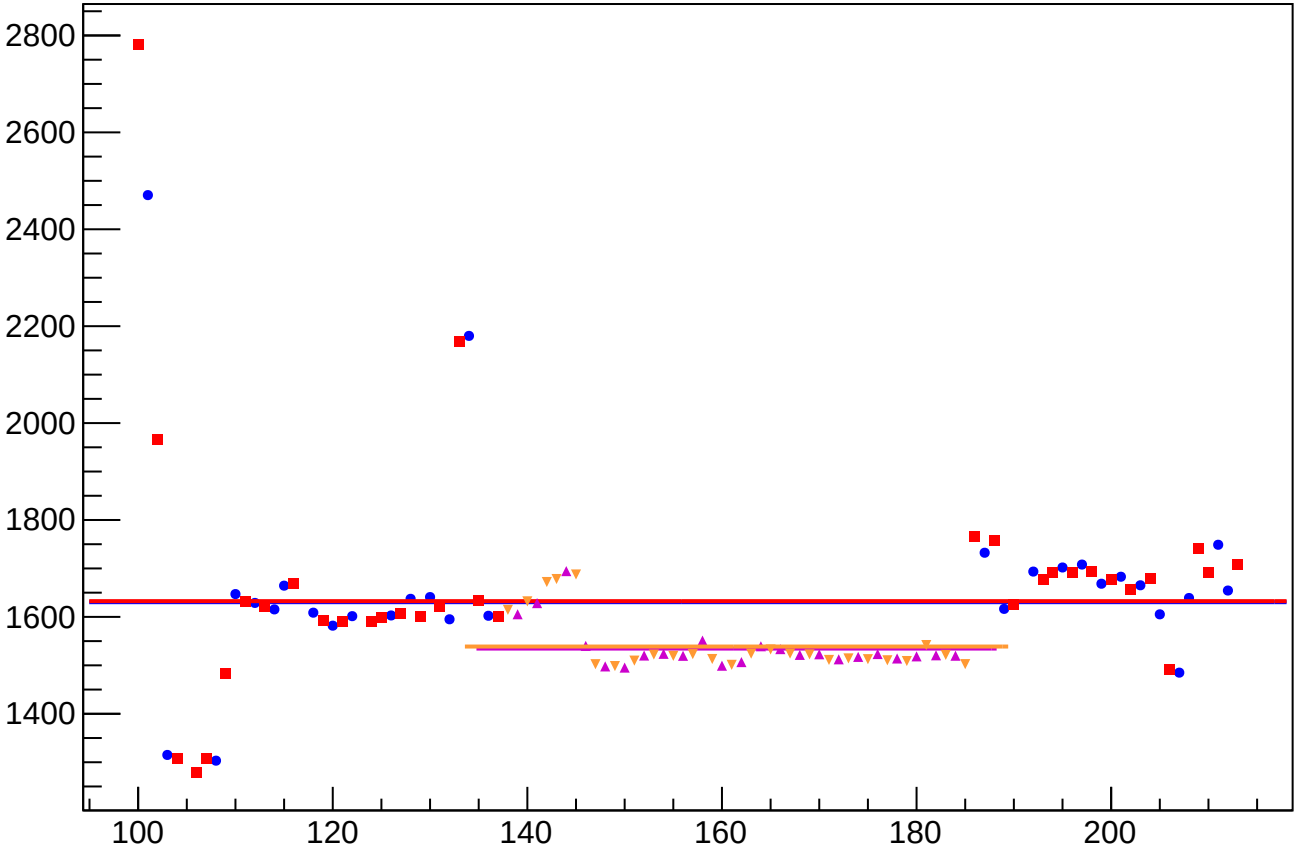
Right: 2330.279+/-273.022 χ^2/NDF: 52.4/61

In: 2866.258+/-264.641 χ^2/NDF:31.6/51

Out: 1664.499+/-257.395 χ^2/NDF:52.6/57

All: 2248.701+/-184.514 χ^2/NDF: 94.8/109

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1630.347+/-0.277 χ^2/NDF: 361126.9/28

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

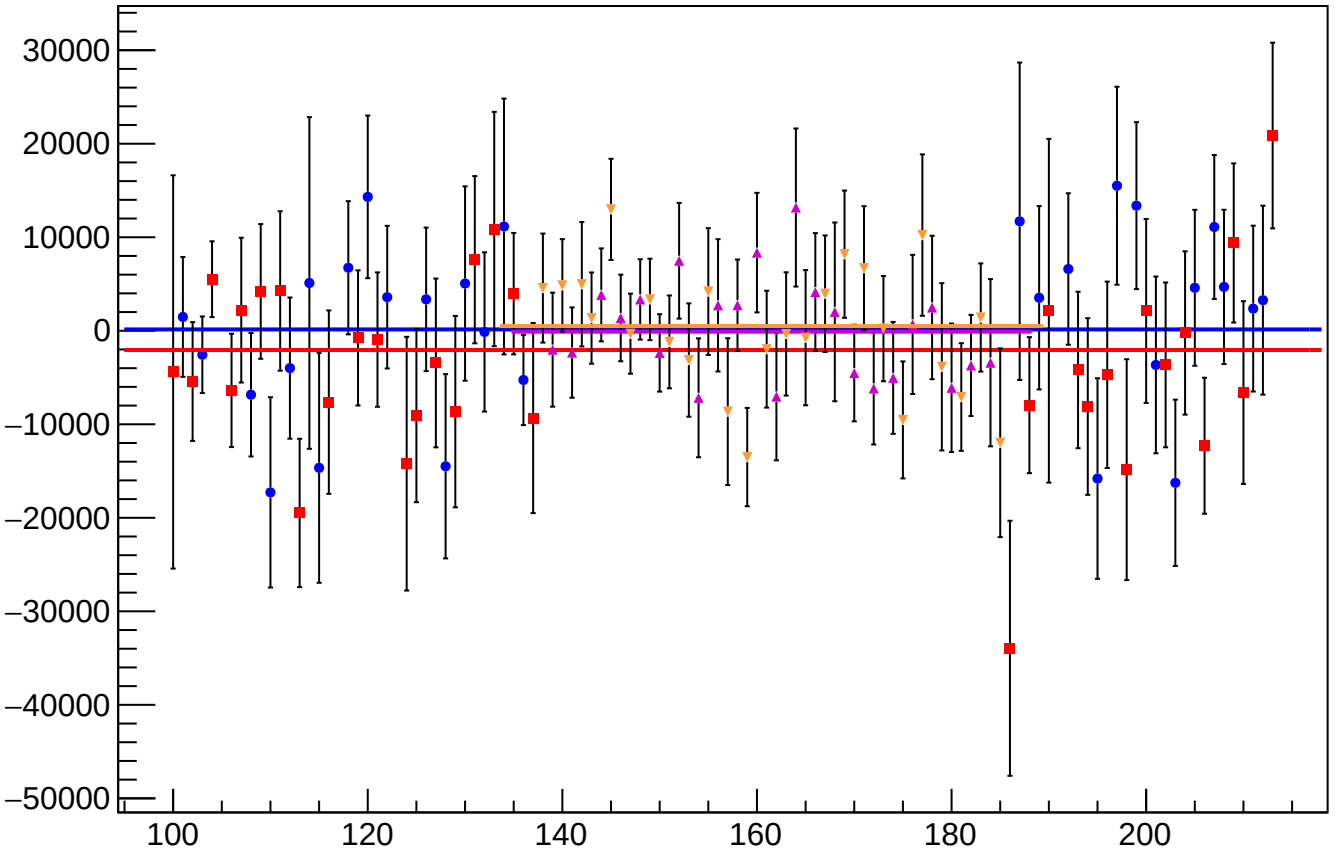
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1631.464+/-0.193 χ^2/NDF: 678215.3/61

In: 1578.168+/-0.187 χ^2/NDF:457146.6/51

Out: 1581.841+/-0.182 χ^2/NDF:430032.6/57

All: 1580.057+/-0.130 χ^2/NDF: 887377.2/109



Right In: 144.593+/-1500.148 χ^2/NDF: 28.7/28

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

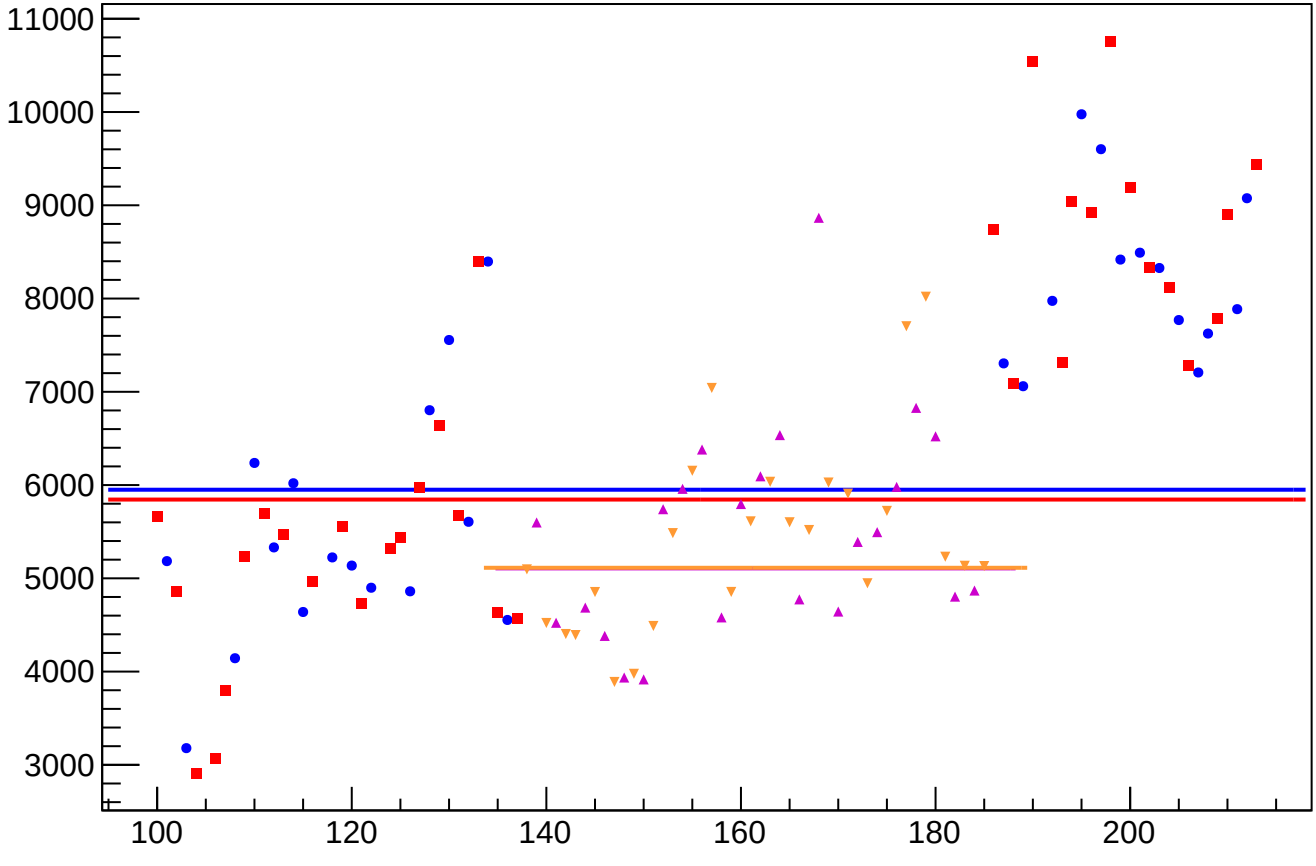
Right: -998.595+/-1039.801 χ^2/NDF: 63.8/61

In: -1.614+/-945.381 χ^2/NDF:43.6/51

Out: -529.814+/-916.725 χ^2/NDF:62.7/57

All: -273.841+/-658.120 χ^2/NDF: 106.4/109

asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5950.038+/-1.061 χ^2/NDF: 3187890.6/28

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

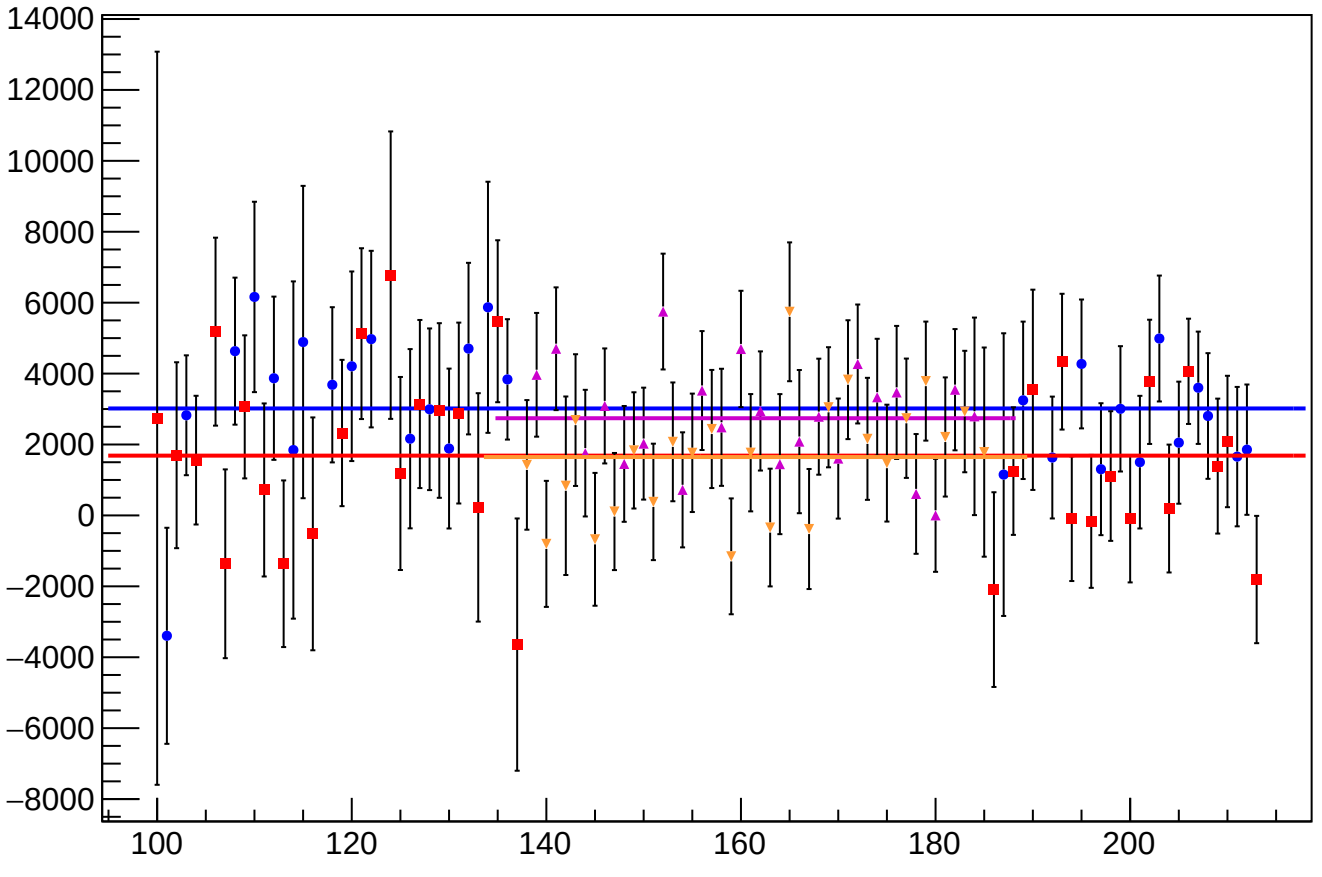
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5895.207+/-0.735 χ^2/NDF: 7414569.7/61

In: 5441.434+/-0.668 χ^2/NDF:4820847.8/51

Out: 5408.387+/-0.648 χ^2/NDF:5687199.2/57

All: 5424.402+/-0.465 χ^2/NDF: 10509306.5/1



Right In: 3016.530+/-392.351 χ^2/NDF: 14.9/28

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

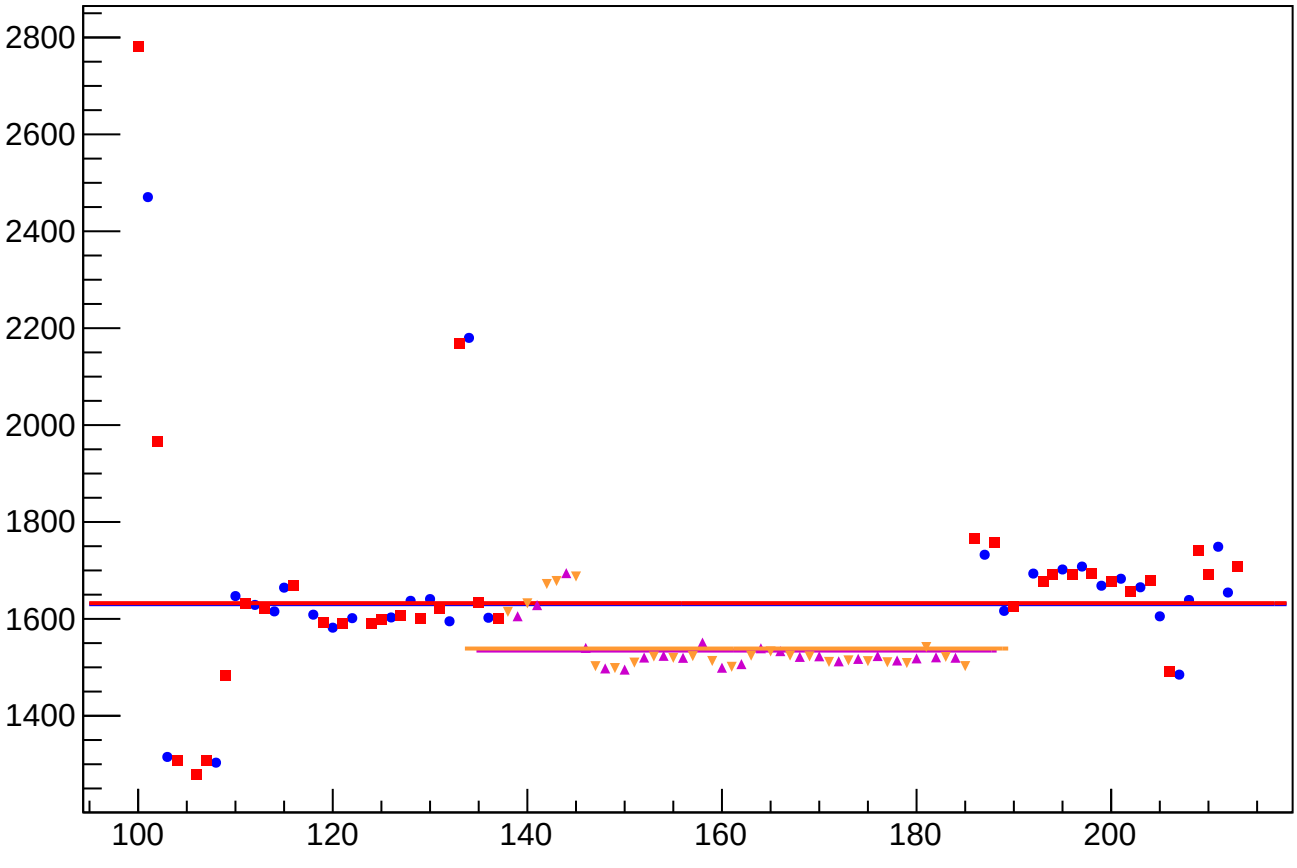
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2330.279+/-273.022 χ^2/NDF: 52.4/61

In: 2866.258+/-264.641 χ^2/NDF:31.6/51

Out: 1664.499+/-257.395 χ^2/NDF:52.6/57

All: 2248.701+/-184.514 χ^2/NDF: 94.8/109



Right In: 1630.347+/-0.277 χ^2/NDF: 361126.9/28

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

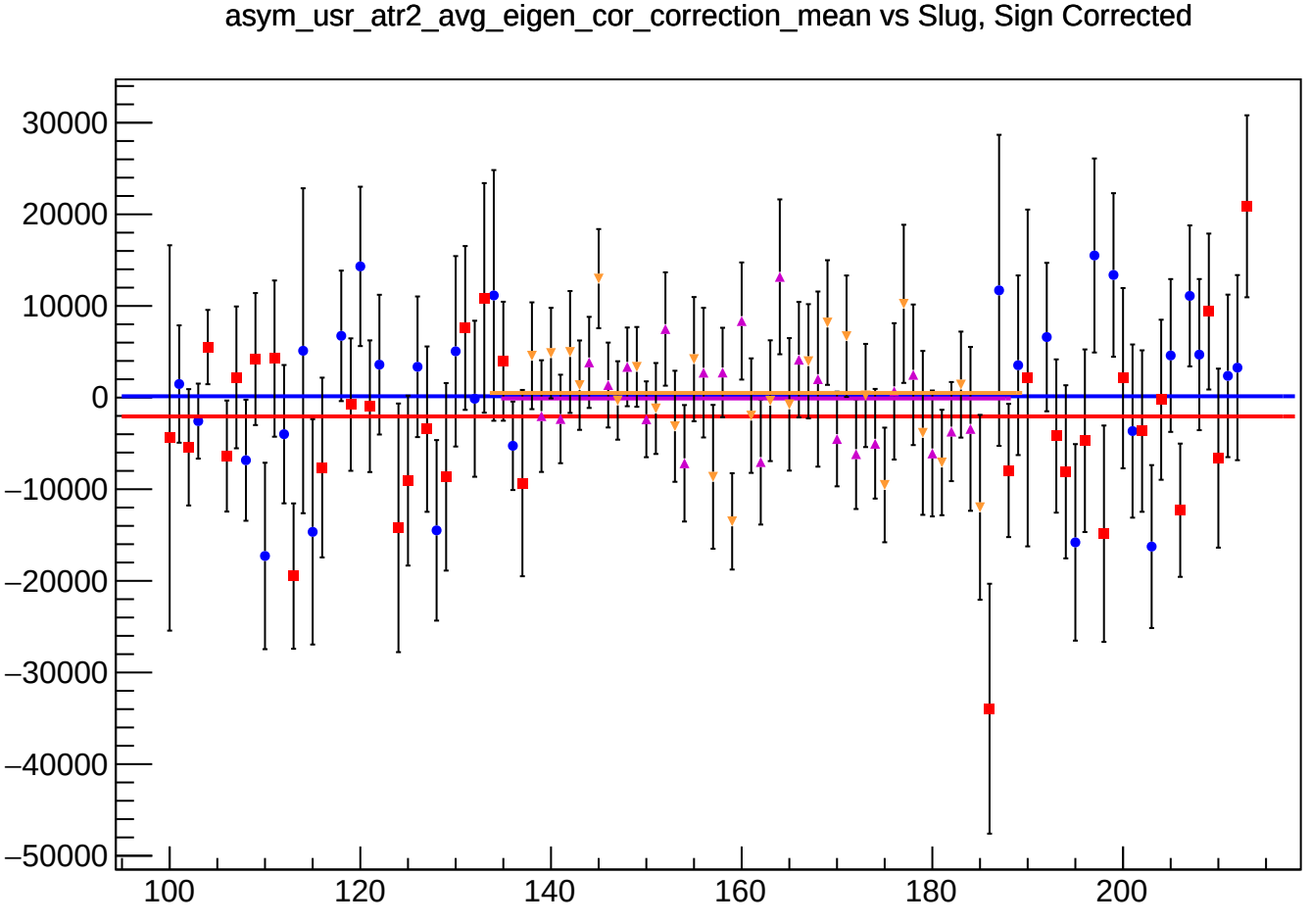
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1631.464+/-0.193 χ^2/NDF: 678215.3/61

In: 1578.168+/-0.187 χ^2/NDF:457146.6/51

Out: 1581.841+/-0.182 χ^2/NDF:430032.6/57

All: 1580.057+/-0.130 χ^2/NDF: 887377.2/109



Right In: 144.593+/-1500.148 χ^2/NDF: 28.7/28

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

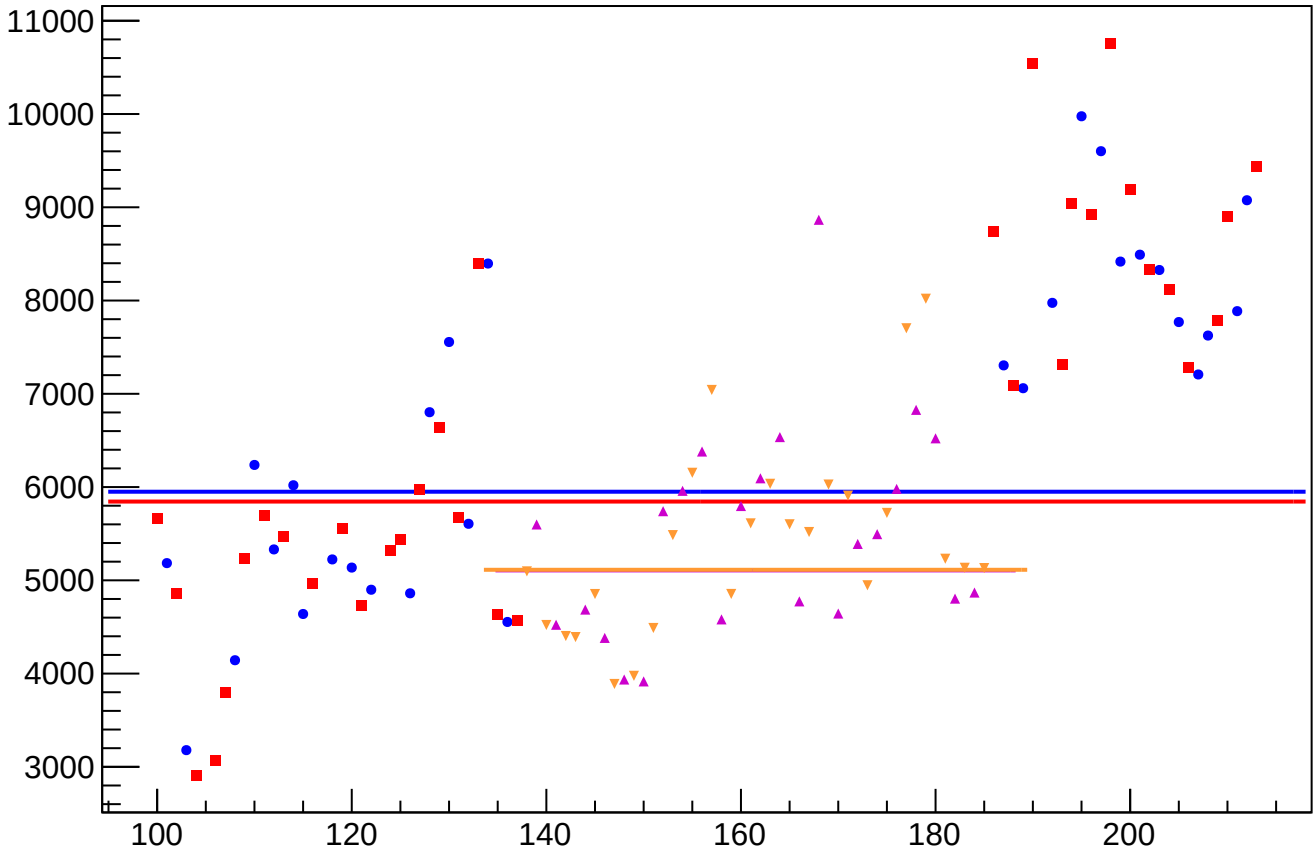
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -998.595+/-1039.801 χ^2/NDF: 63.8/61

In: -1.614+/-945.381 χ^2/NDF:43.6/51

Out: -529.814+/-916.725 χ^2/NDF:62.7/57

All: -273.841+/-658.120 χ^2/NDF: 106.4/109



Right In: 5950.038+/-1.061 χ^2/NDF: 3187890.6/28

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

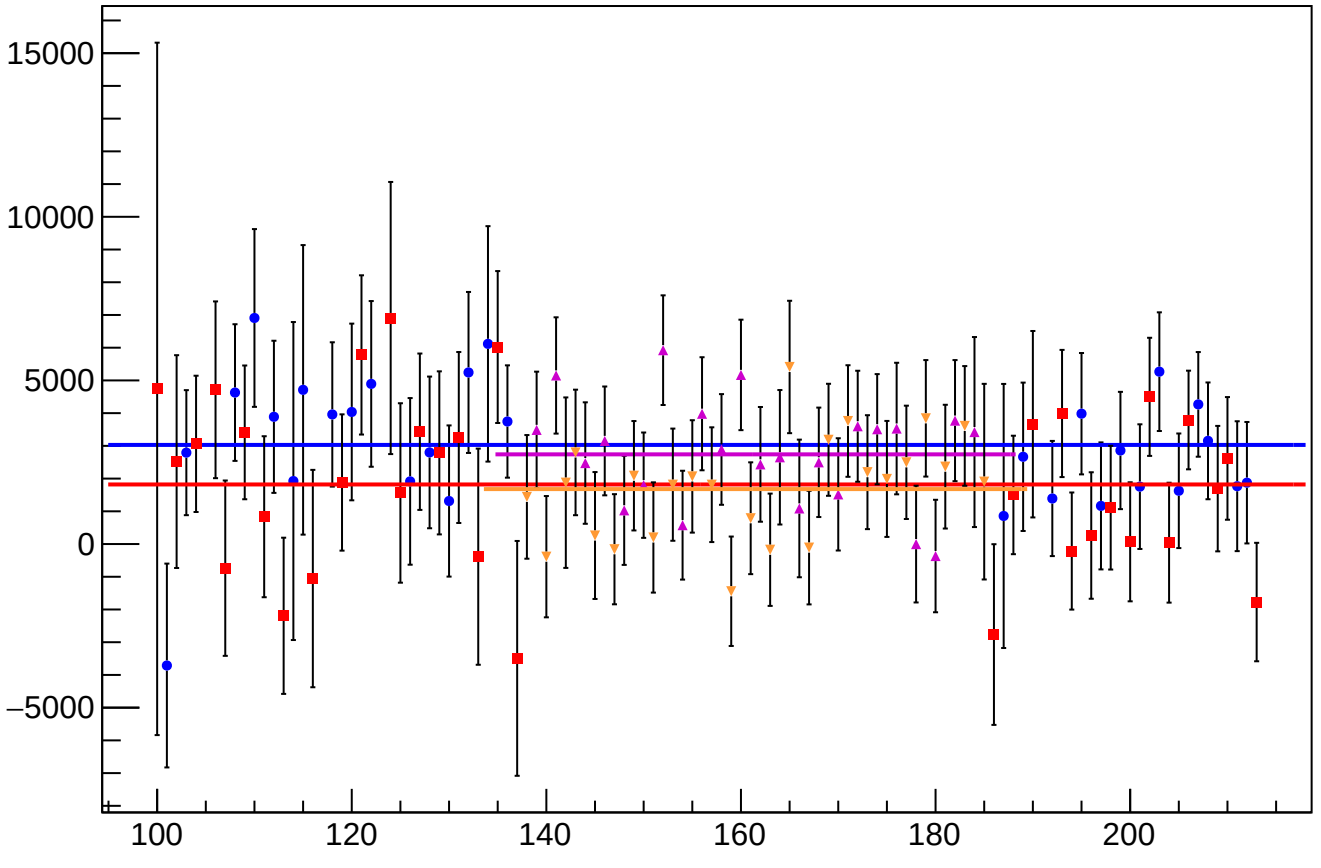
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5895.207+/-0.735 χ^2/NDF: 7414569.7/61

In: 5441.434+/-0.668 χ^2/NDF:4820847.8/51

Out: 5408.387+/-0.648 χ^2/NDF:5687199.2/57

All: 5424.402+/-0.465 χ^2/NDF: 10509306.5/1



Right In: 3029.030+/-400.608 χ^2/NDF: 17.4/28

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

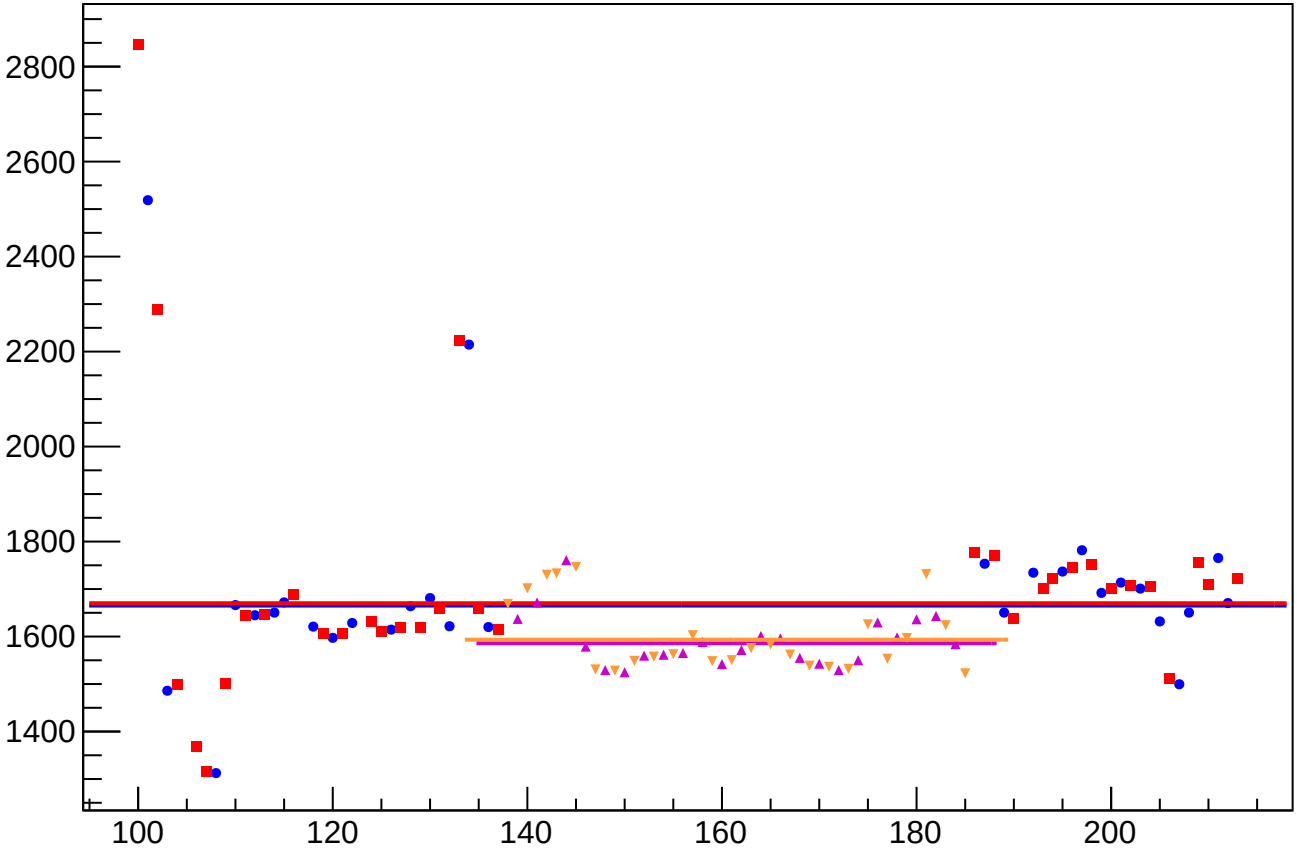
Right: 2407.314+/-279.136 χ^2/NDF: 56.4/61

In: 2873.646+/-272.046 χ^2/NDF:36.8/51

Out: 1744.864+/-265.208 χ^2/NDF:53.3/57

All: 2294.890+/-189.902 χ^2/NDF: 99.0/109

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1665.308+/-0.283 χ^2/NDF: 321396.3/28

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

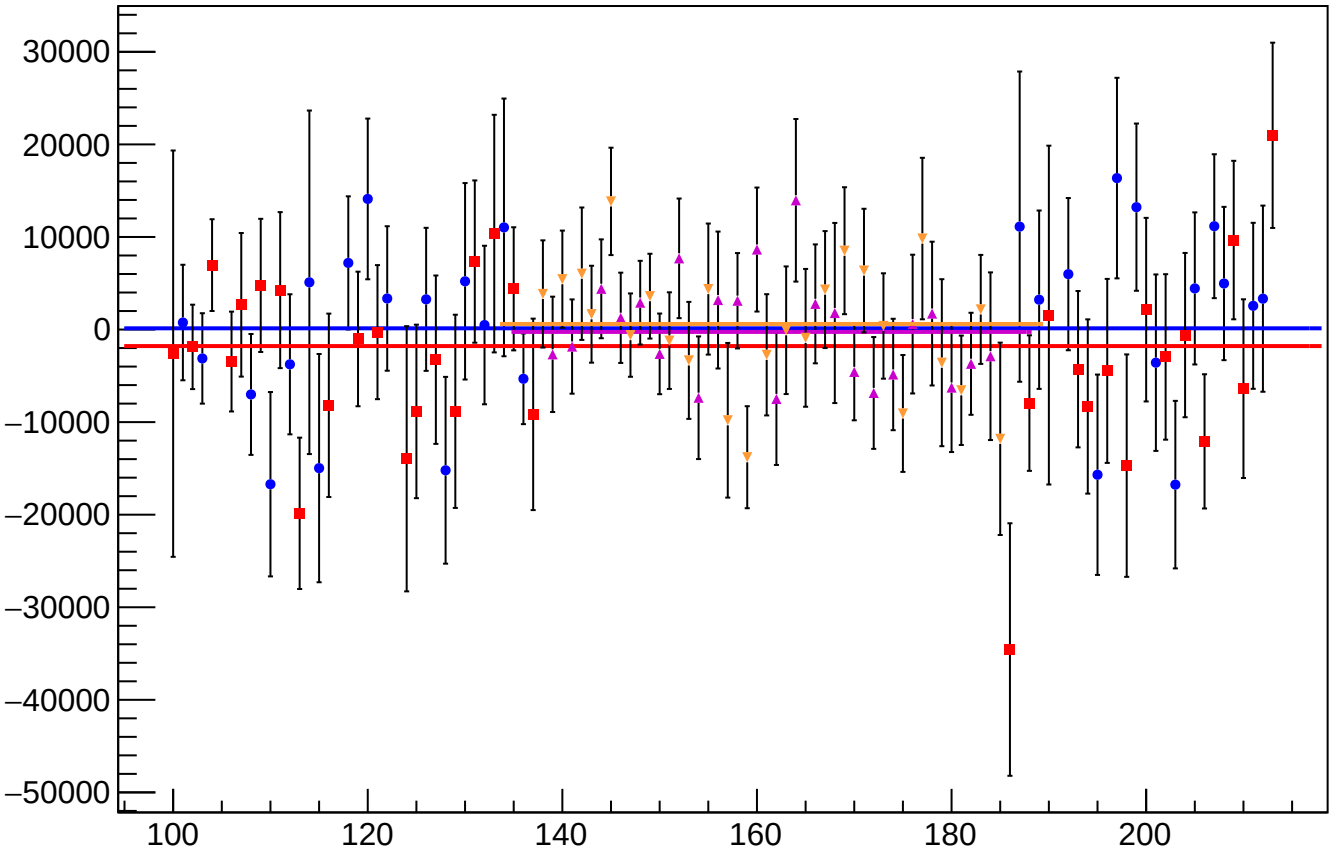
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1667.799+/-0.197 χ^2/NDF: 618419.7/61

In: 1622.529+/-0.192 χ^2/NDF:405635.7/51

Out: 1629.051+/-0.187 χ^2/NDF:410439.5/57

All: 1625.874+/-0.134 χ^2/NDF: 816664.6/109



Right In: 132.674+/-1537.598 χ^2/NDF: 28.6/28

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

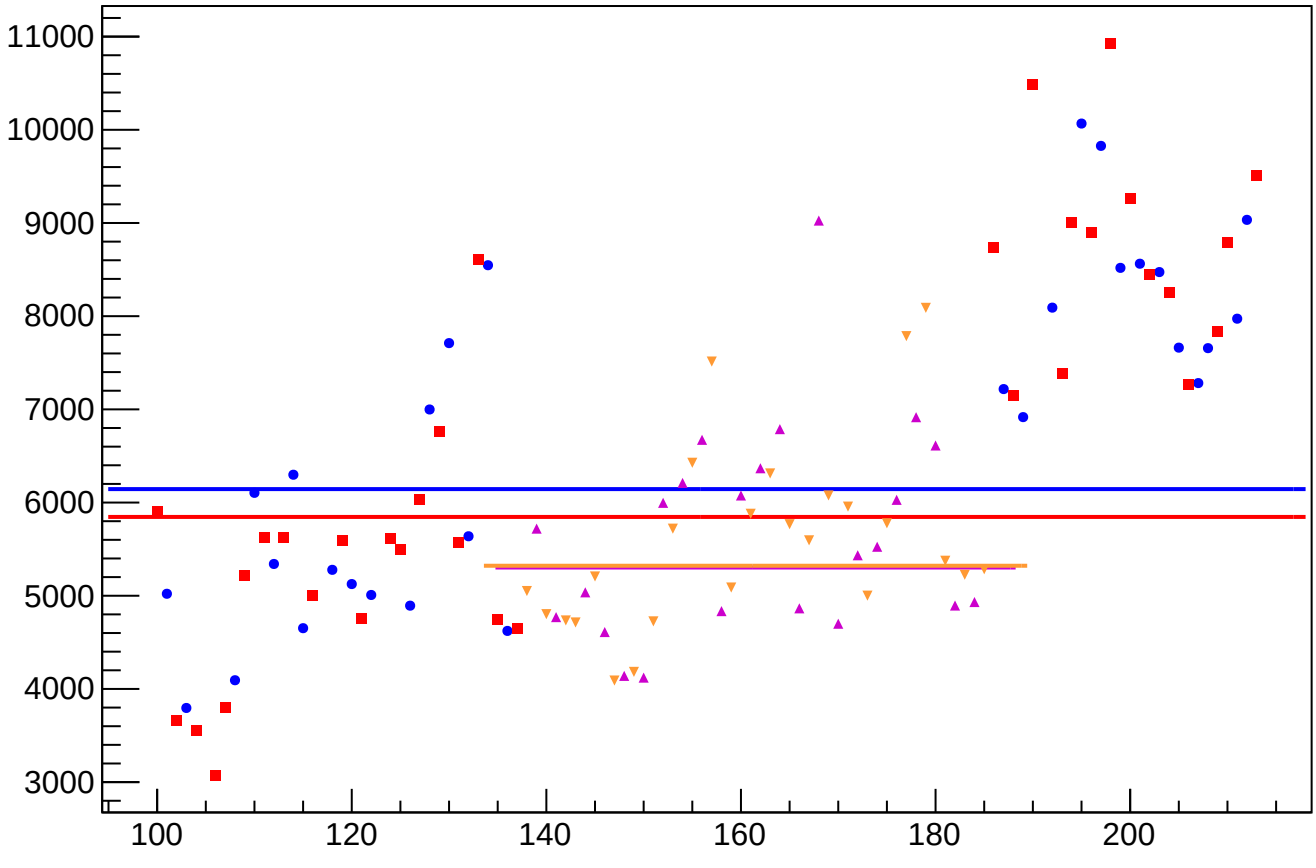
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -892.295+/-1049.334 χ^2/NDF: 62.5/61

In: -99.411+/-975.780 χ^2/NDF:43.3/51

Out: -412.282+/-935.609 χ^2/NDF:60.7/57

All: -262.419+/-675.331 χ^2/NDF: 104.0/109



Right In: 6144.416+/-1.087 χ^2/NDF: 2698261.5/28

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

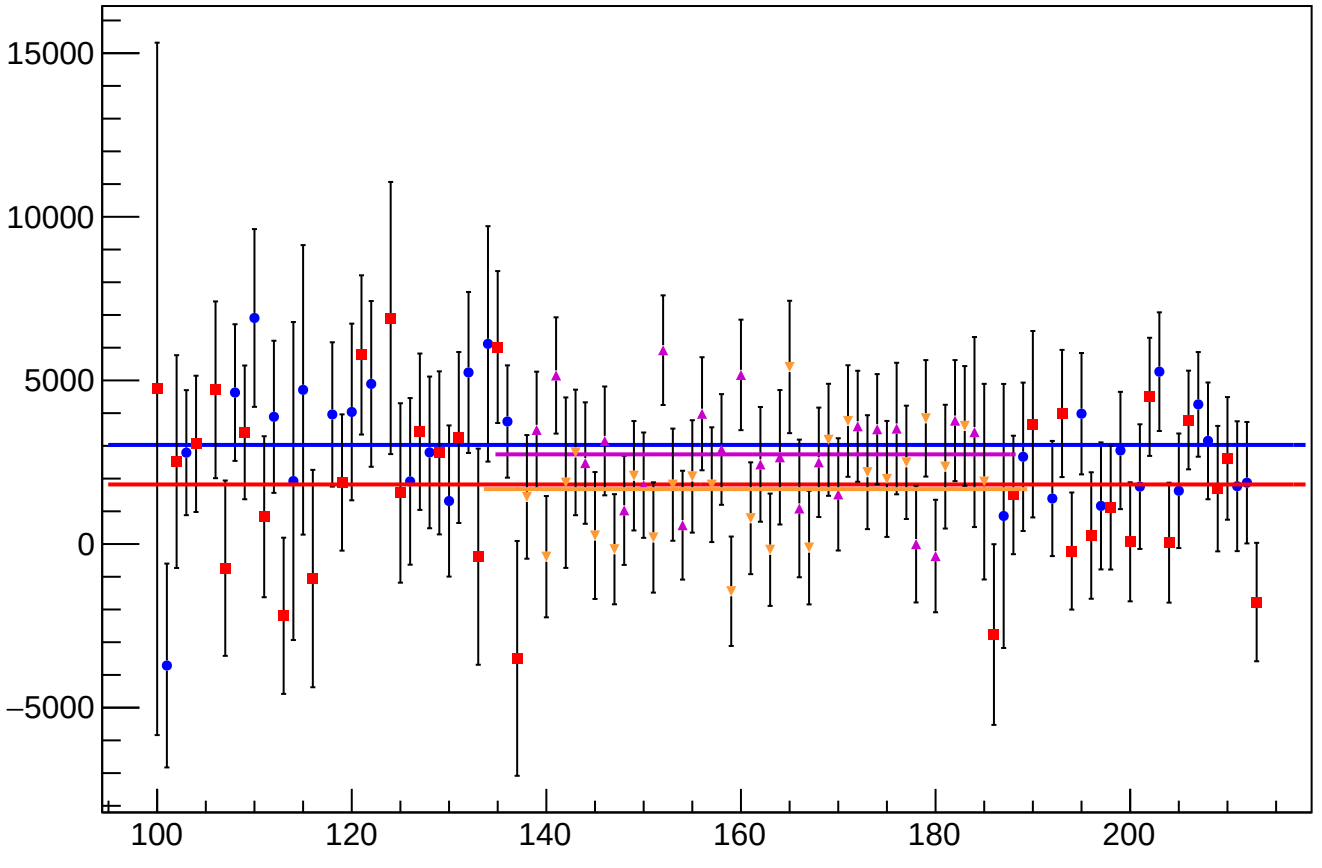
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5984.844+/-0.742 χ^2/NDF: 6880677.0/61

In: 5641.777+/-0.690 χ^2/NDF:4208477.7/51

Out: 5544.424+/-0.662 χ^2/NDF:5332260.7/57

All: 5591.055+/-0.478 χ^2/NDF: 9551110.6/10



Right In: 3029.028+/-400.608 χ^2/NDF: 17.4/28

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

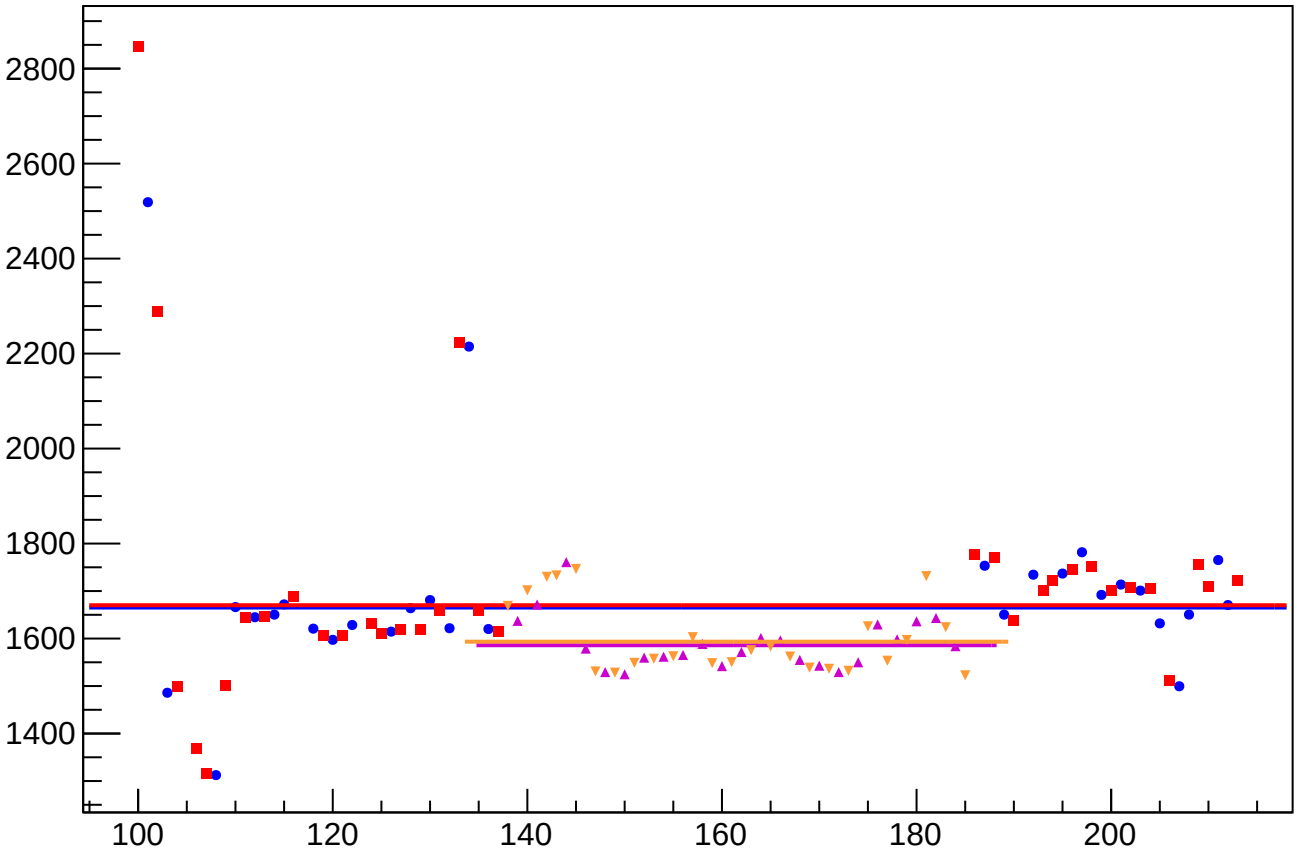
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2407.314+/-279.136 χ^2/NDF: 56.4/61

In: 2873.646+/-272.046 χ^2/NDF:36.8/51

Out: 1744.861+/-265.208 χ^2/NDF:53.3/57

All: 2294.888+/-189.902 χ^2/NDF: 99.0/109



Right In: 1665.308+/-0.283 χ^2/NDF: 321396.6/28

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

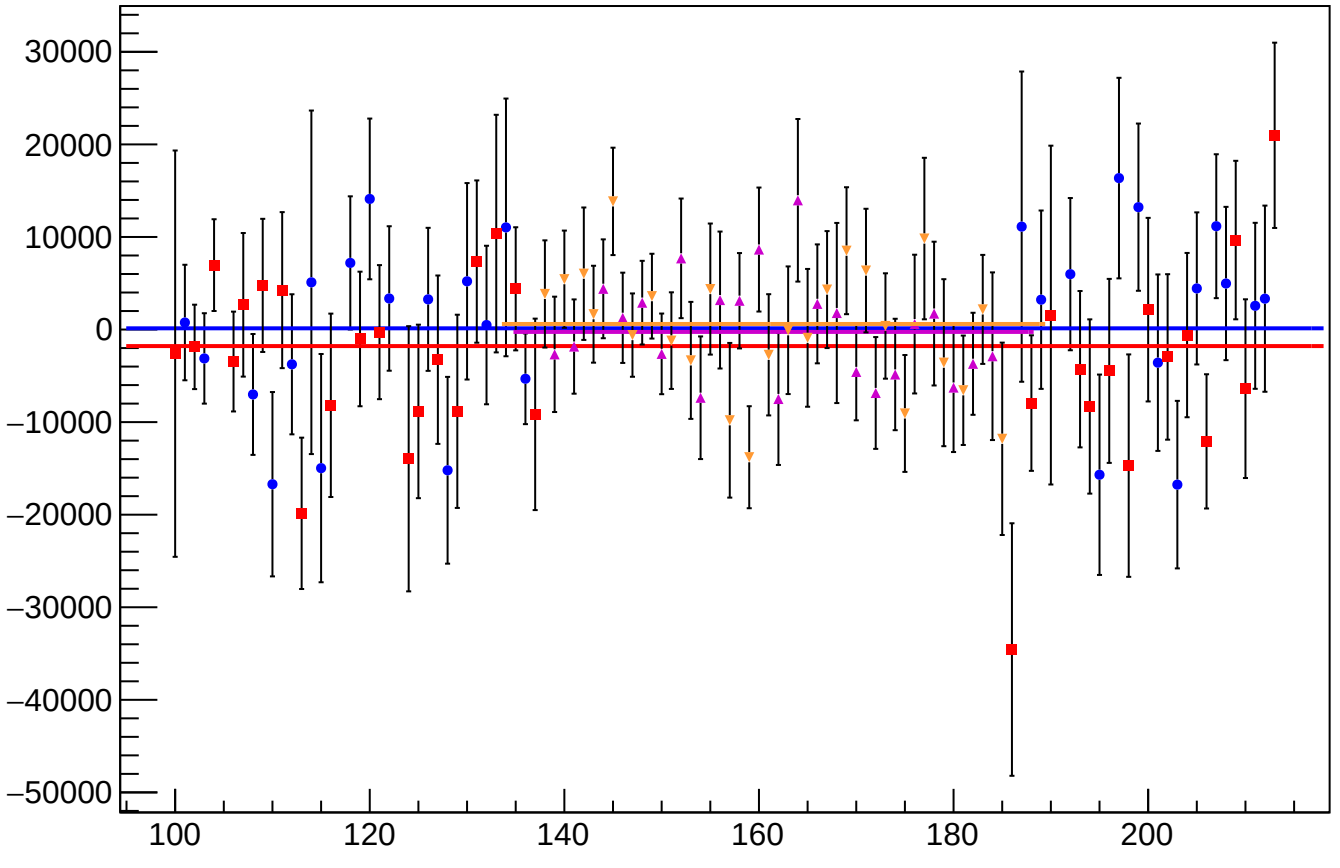
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1667.799+/-0.197 χ^2/NDF: 618420.1/61

In: 1622.530+/-0.192 χ^2/NDF:405634.5/51

Out: 1629.051+/-0.187 χ^2/NDF:410438.3/57

All: 1625.874+/-0.134 χ^2/NDF: 816662.2/109



Right In: 132.680+/-1537.597 χ^2/NDF: 28.6/28

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

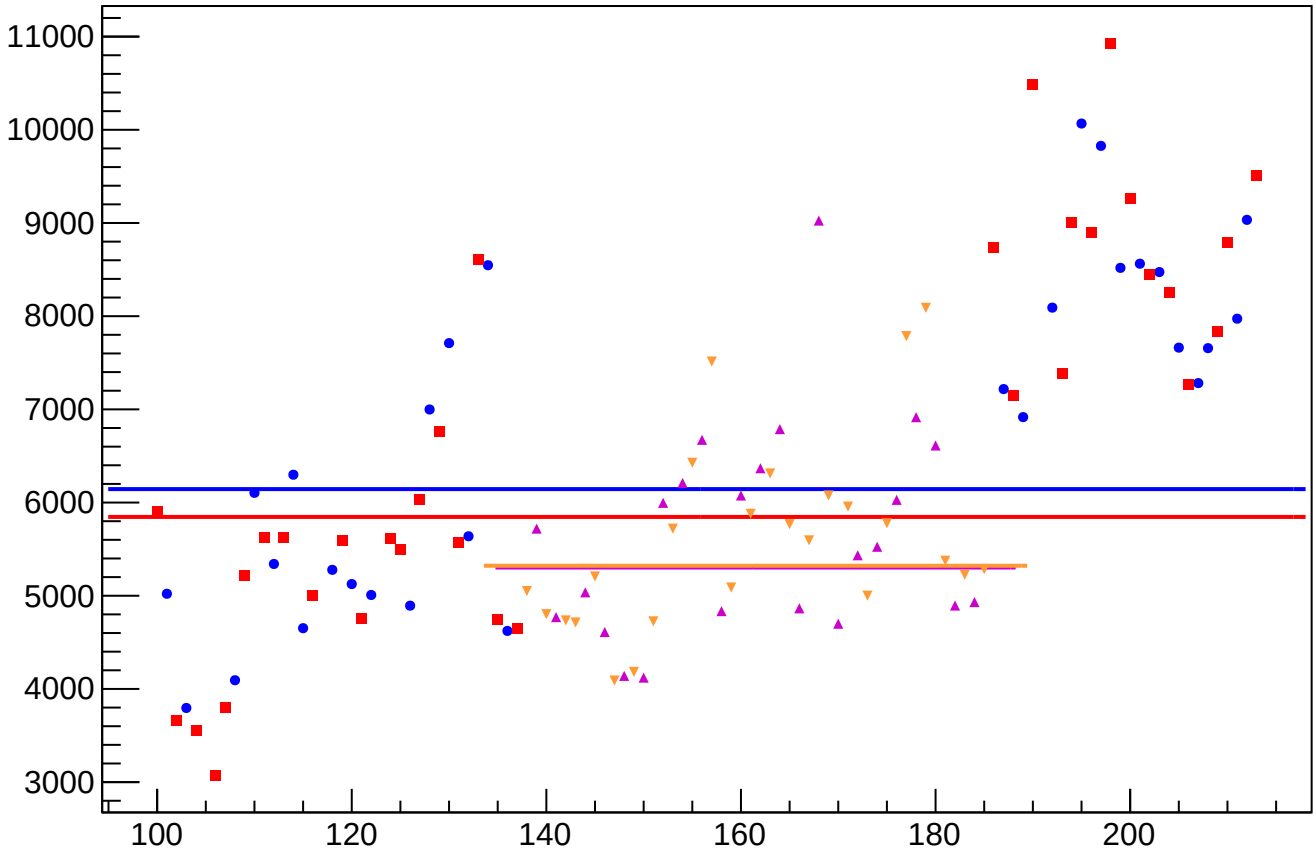
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -892.291+/-1049.333 χ^2/NDF: 62.5/61

In: -99.410+/-975.781 χ^2/NDF:43.3/51

Out: -412.286+/-935.610 χ^2/NDF:60.7/57

All: -262.421+/-675.331 χ^2/NDF: 104.0/109



Right In: 6144.412+/-1.087 χ^2/NDF: 2698277.9/28

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

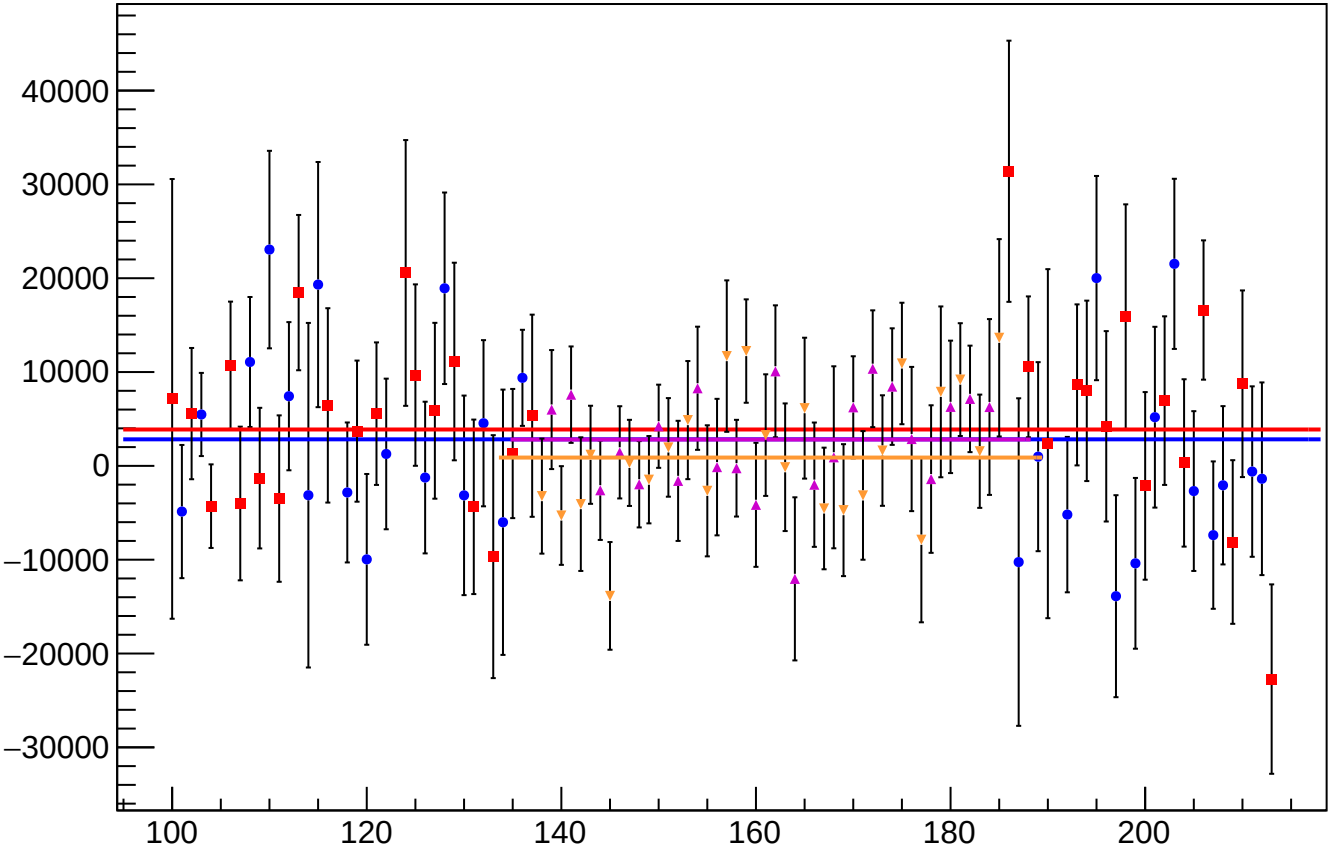
Right: 5984.839+/-0.742 χ^2/NDF: 6880711.5/61

In: 5641.782+/-0.690 χ^2/NDF:4208486.9/51

Out: 5544.427+/-0.662 χ^2/NDF:5332271.6/57

All: 5591.059+/-0.478 χ^2/NDF: 9551130.9/10

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 2828.461+/-1569.115 χ^2/NDF: 32.0/28

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

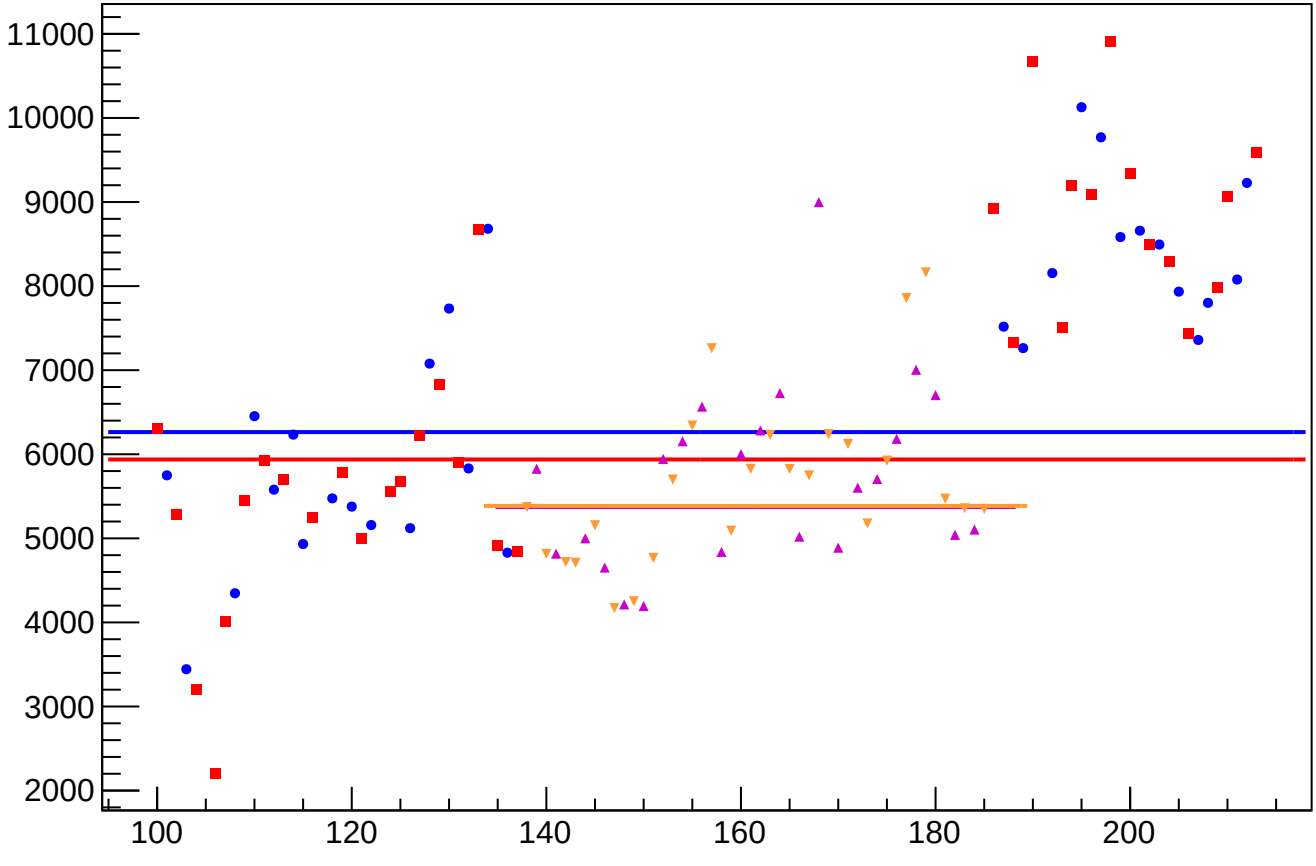
Right: 3371.076+/-1090.240 χ^2/NDF: 65.2/61

In: 2817.779+/-990.555 χ^2/NDF:46.7/51

Out: 2092.435+/-962.805 χ^2/NDF:60.9/57

All: 2444.805+/-690.408 χ^2/NDF: 107.9/109

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 6263.979+/-1.110 χ^2/NDF: 2802397.3/28

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

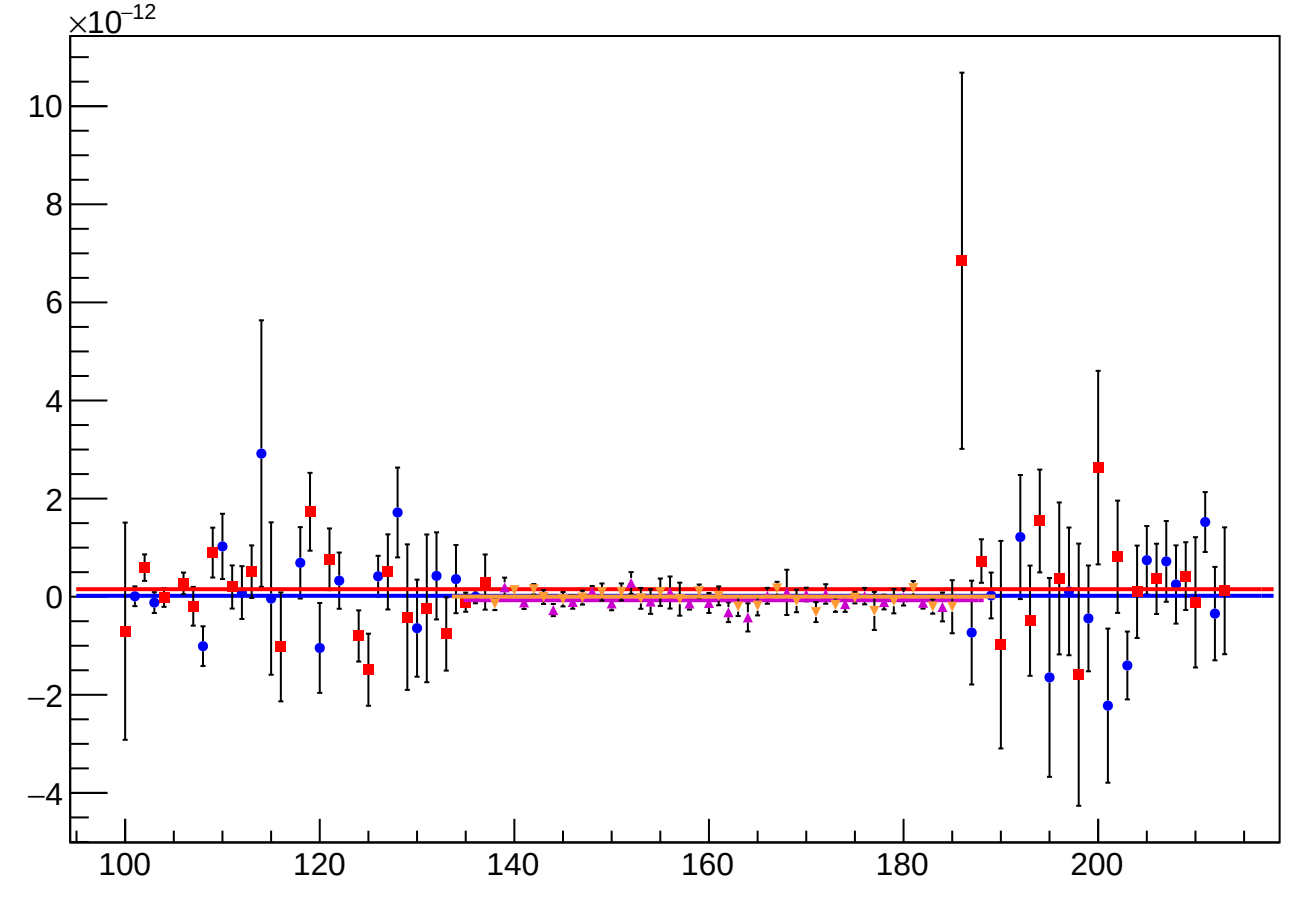
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

Right: 6091.345+/-0.761 χ^2/NDF: 7511133.6/61

In: 5727.991+/-0.700 χ^2/NDF:4262197.4/51

Out: 5615.436+/-0.674 χ^2/NDF:5813605.7/57

All: 5669.524+/-0.486 χ^2/NDF: 10089216.9/1



Right In: 0.000+/-0.000 χ^2/NDF: 34.7/28

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

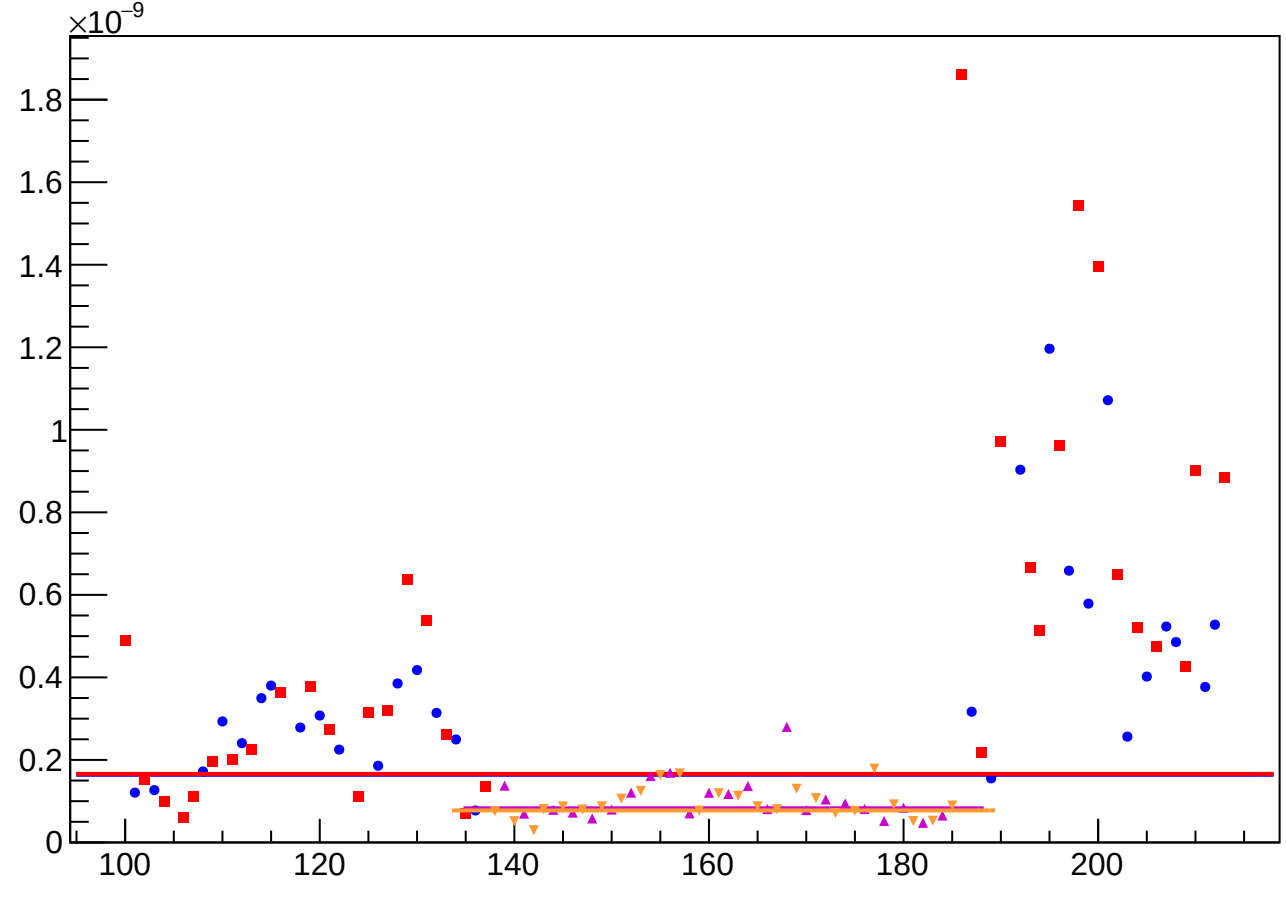
Left: -0.000+/-0.000 χ^2/NDF: 36.7/47

Right: 0.000+/-0.000 χ^2/NDF: 71.1/61

In: -0.000+/-0.000 χ^2/NDF:51.6/51

Out: 0.000+/-0.000 χ^2/NDF:56.2/57

All: -0.000+/-0.000 χ^2/NDF: 111.1/109



Right In: 0.000+/-0.000 χ^2/NDF: 5641336.1/28

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

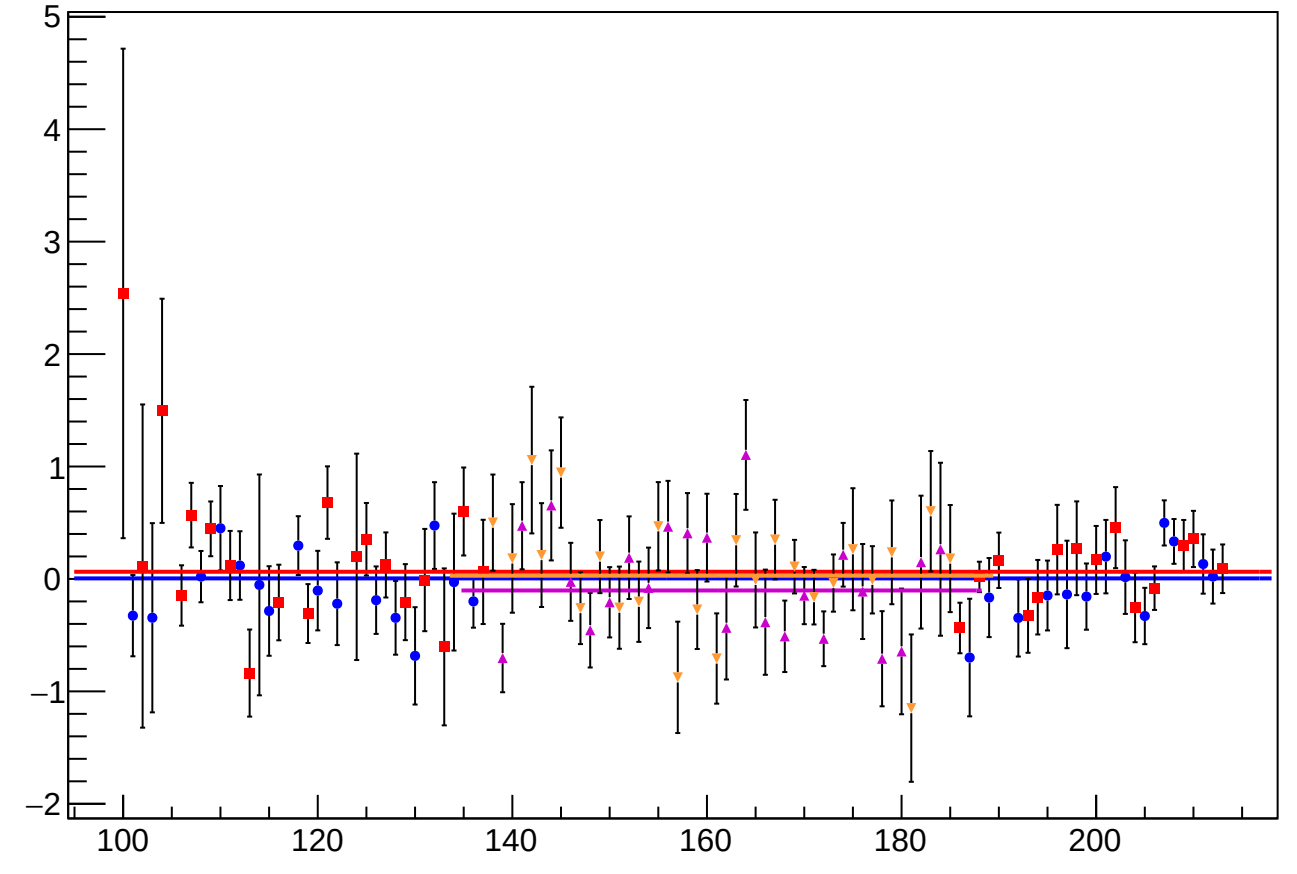
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13437438.2/61

In: 0.000+/-0.000 χ^2/NDF:8905894.9/51

Out: 0.000+/-0.000 χ^2/NDF:11356834.7/57

All: 0.000+/-0.000 χ^2/NDF: 20307830.0/109



Right In: 0.005+/-0.058 χ^2/NDF: 26.0/28

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

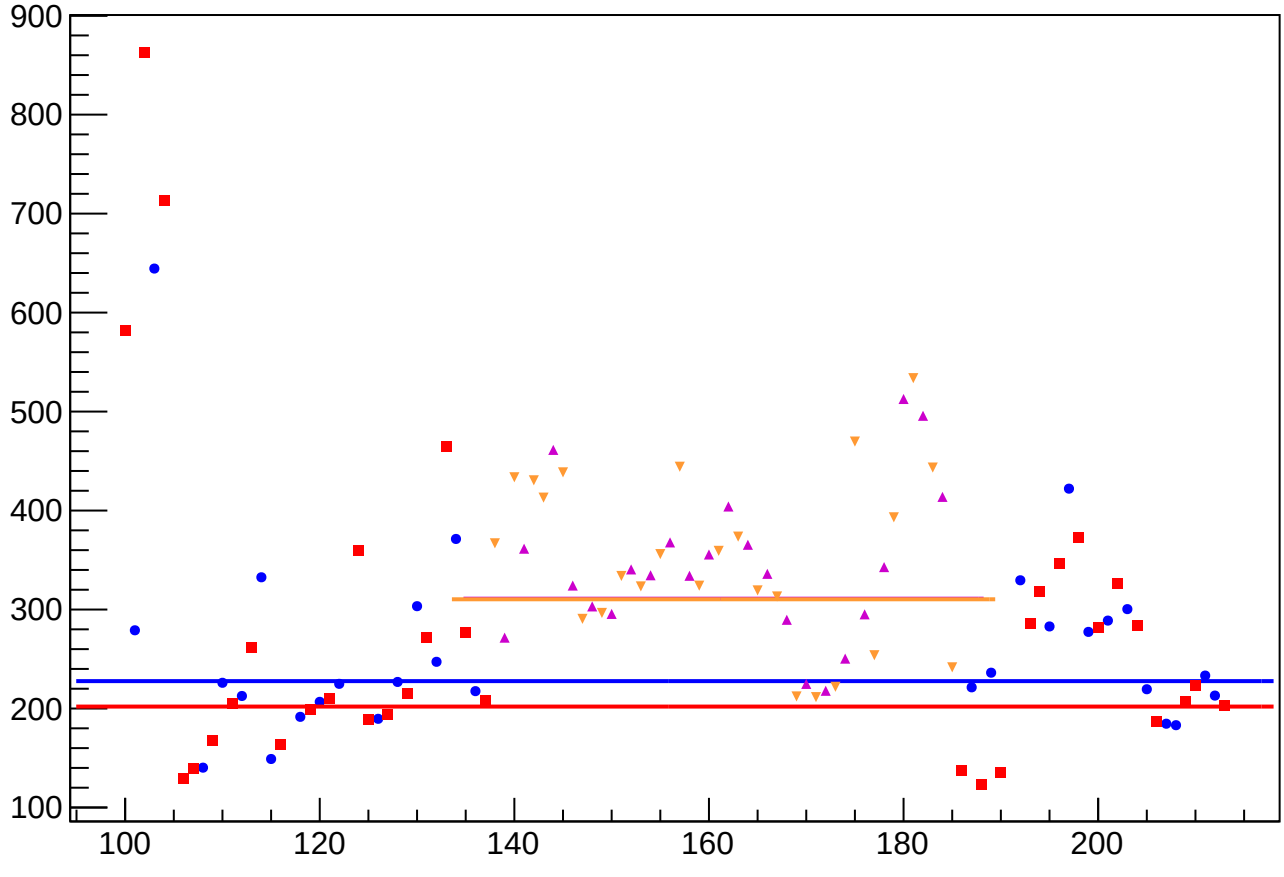
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.038+/-0.038 χ^2/NDF: 65.2/61

In: -0.034+/-0.046 χ^2/NDF:59.6/51

Out: 0.053+/-0.042 χ^2/NDF:64.1/57

All: 0.013+/-0.031 χ^2/NDF: 125.6/109



Right In: 227.688+/-0.041 χ^2/NDF: 2189052.0/28

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

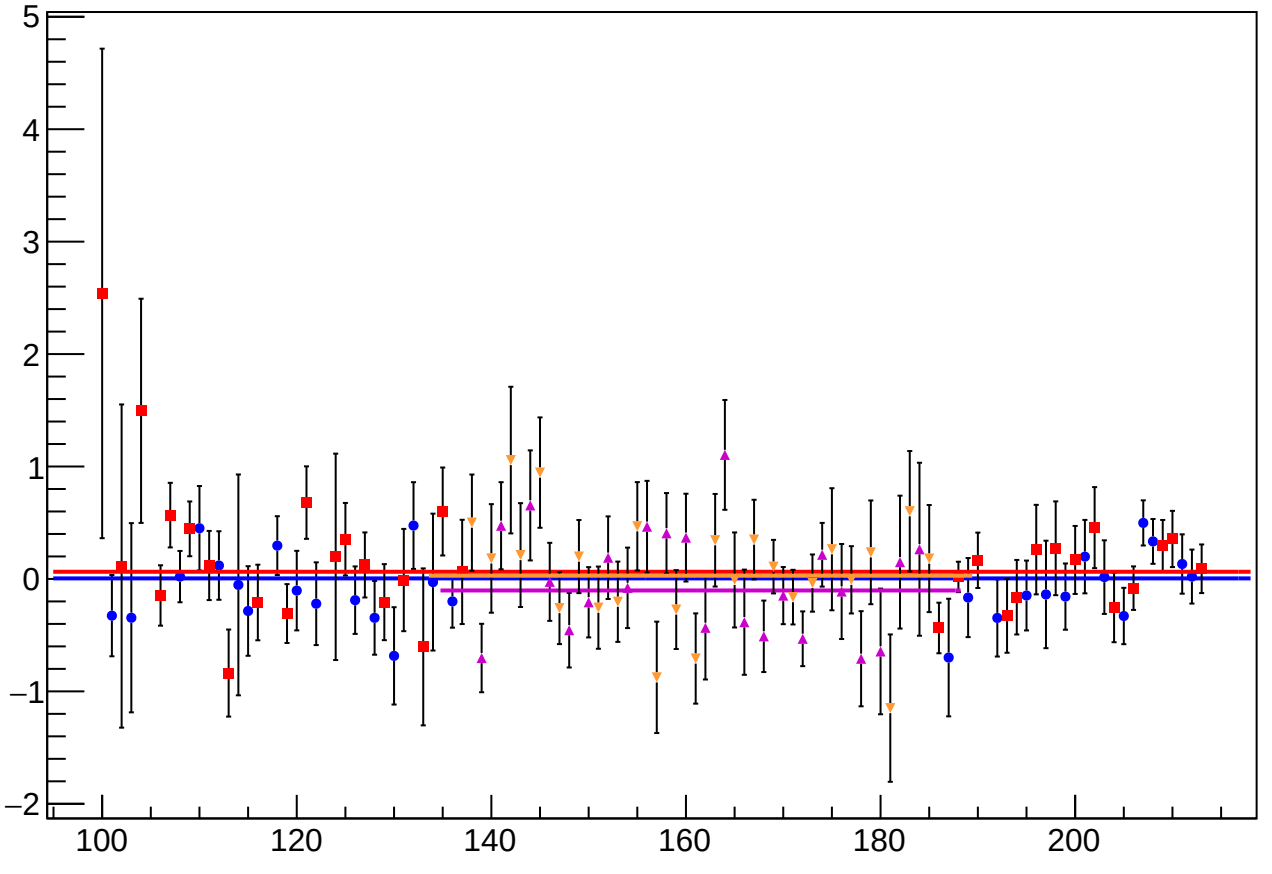
Right: 213.340+/-0.027 χ^2/NDF: 6765453.4/61

In: 258.048+/-0.033 χ^2/NDF:5304960.6/51

Out: 236.836+/-0.030 χ^2/NDF:9577046.0/57

All: 246.557+/-0.022 χ^2/NDF: 15111974.2/10

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.058 χ^2/NDF: 26.0/28

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

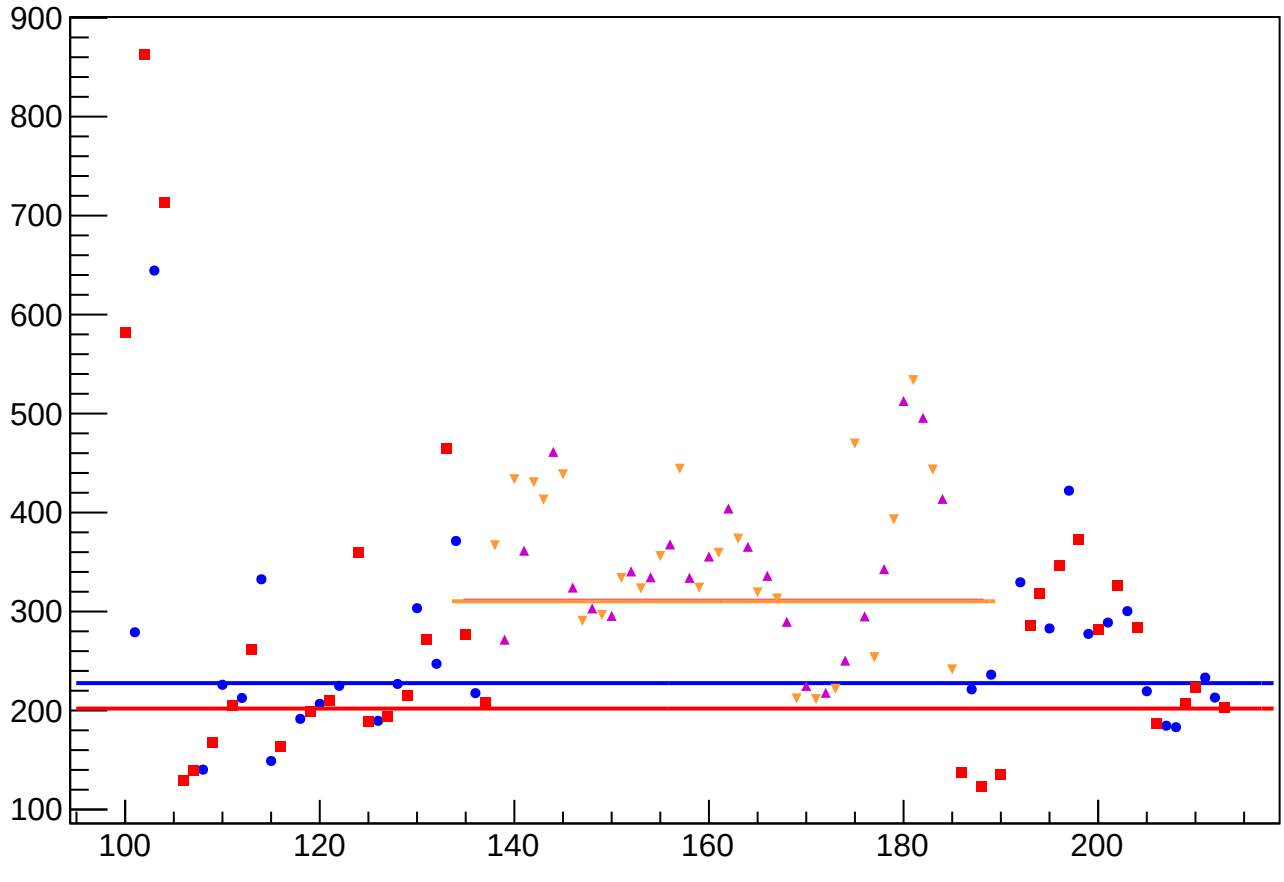
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.038+/-0.038 χ^2/NDF: 65.2/61

In: -0.034+/-0.046 χ^2/NDF:59.6/51

Out: 0.053+/-0.042 χ^2/NDF:64.1/57

All: 0.013+/-0.031 χ^2/NDF: 125.6/109



Right In: 227.688+/-0.041 χ^2/NDF: 2189052.0/28

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

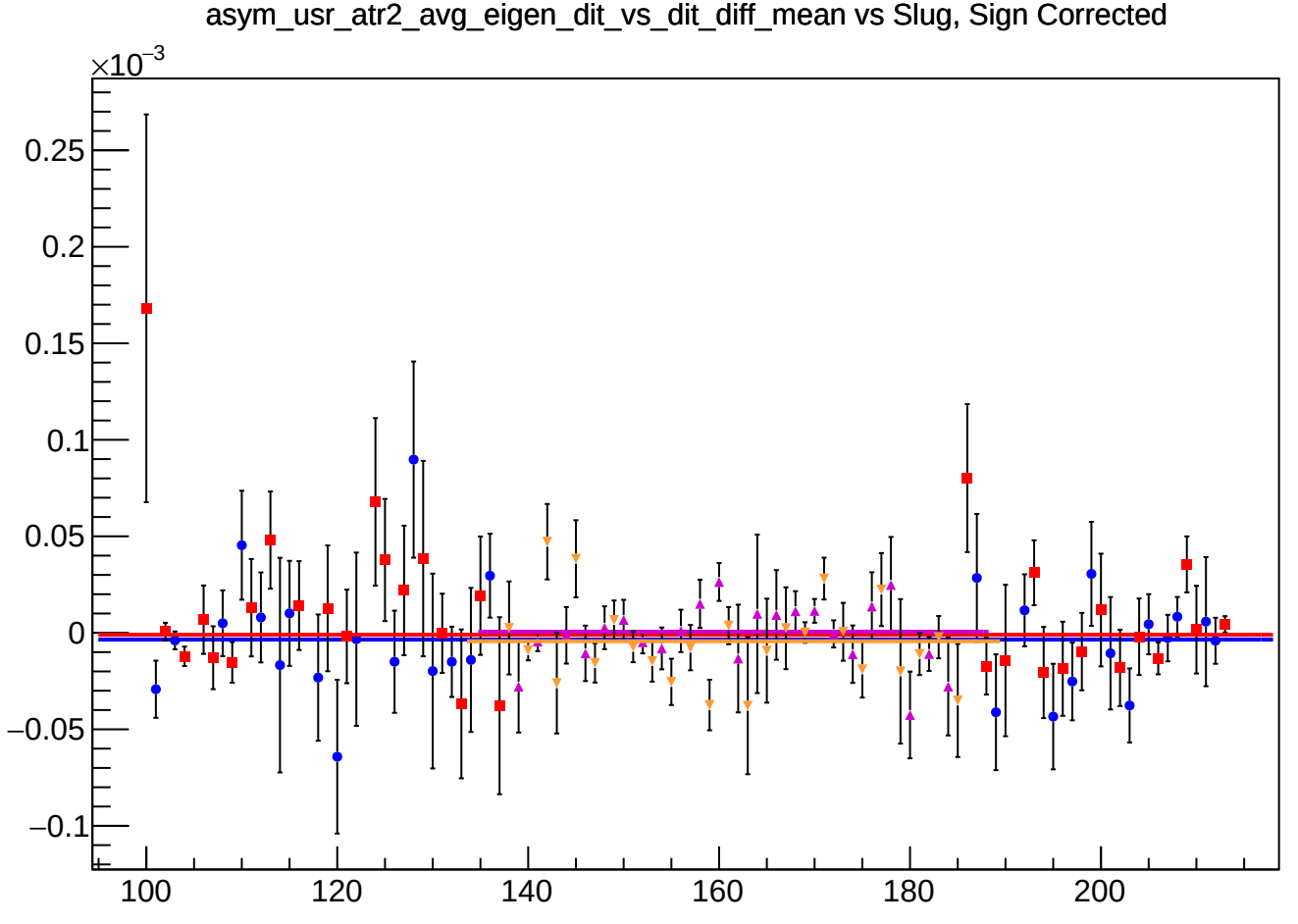
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 213.340+/-0.027 χ^2/NDF: 6765453.4/61

In: 258.048+/-0.033 χ^2/NDF:5304960.6/51

Out: 236.836+/-0.030 χ^2/NDF:9577046.0/57

All: 246.557+/-0.022 χ^2/NDF: 15111974.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/28

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

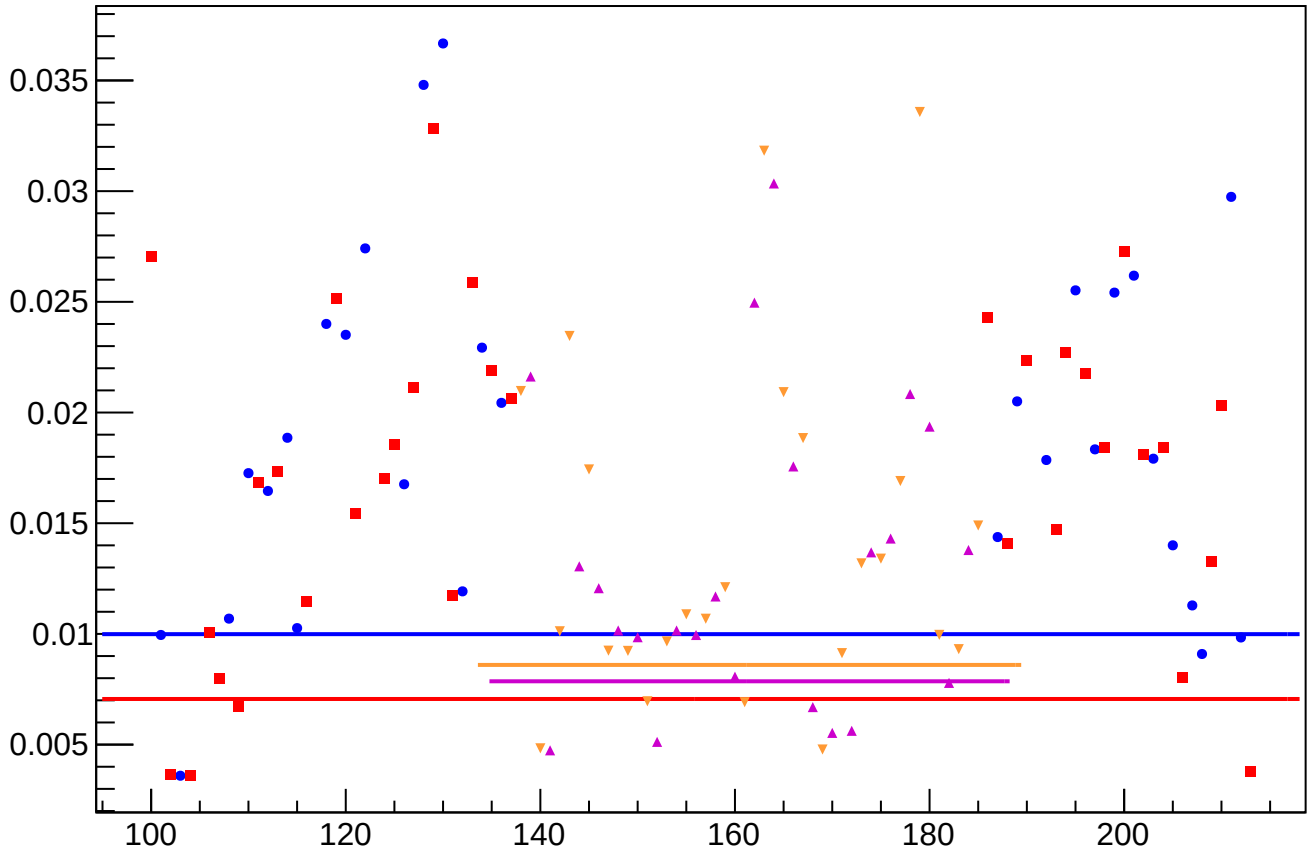
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 73.5/61

In: -0.000+/-0.000 χ^2/NDF:56.7/51

Out: -0.000+/-0.000 χ^2/NDF:87.6/57

All: -0.000+/-0.000 χ^2/NDF: 144.9/109



Right In: 0.010+/-0.000 χ^2/NDF: 11066921.6/28

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

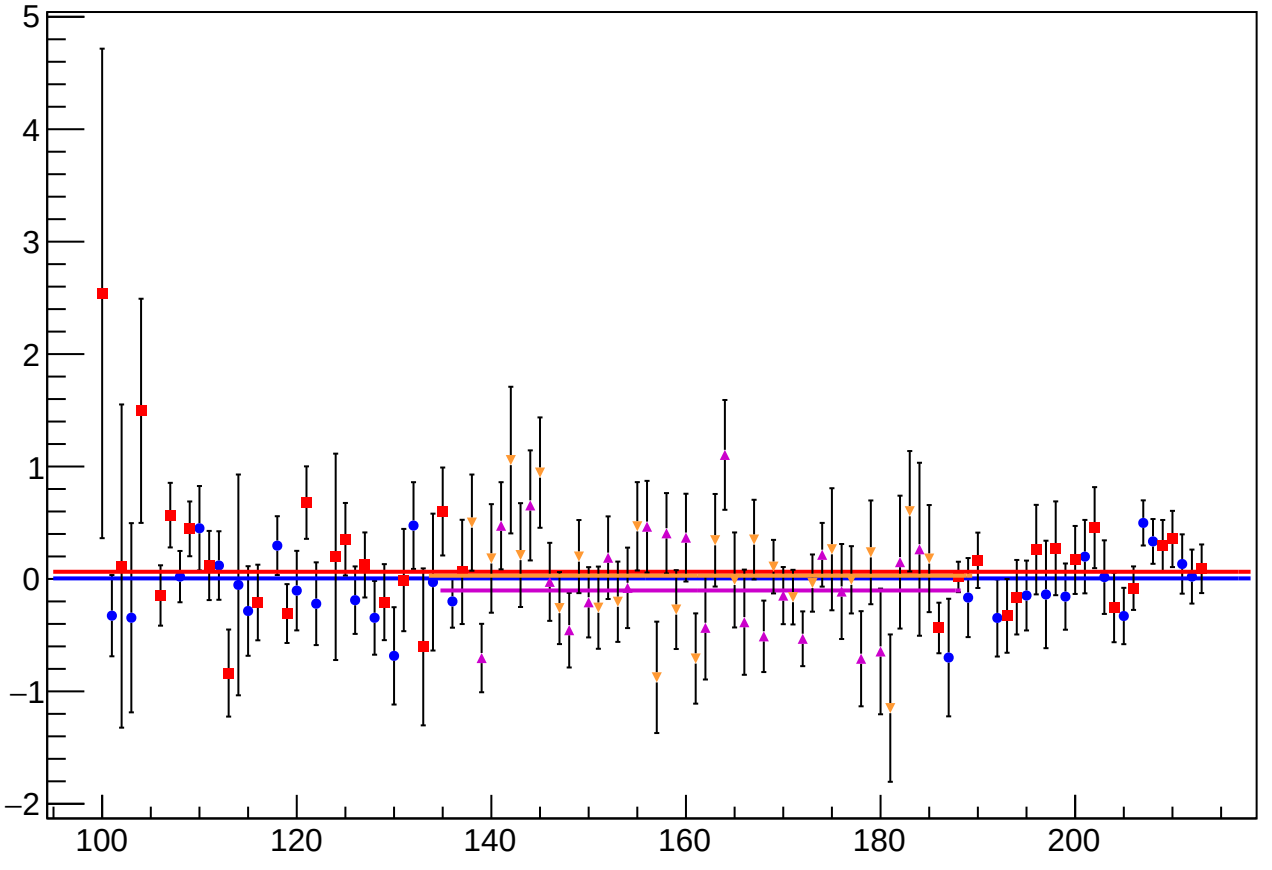
Right: 0.008+/-0.000 χ^2/NDF: 26881282.8/61

In: 0.009+/-0.000 χ^2/NDF:18517101.9/51

Out: 0.008+/-0.000 χ^2/NDF:22690078.2/57

All: 0.008+/-0.000 χ^2/NDF: 41436491.5/109

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.058 χ^2/NDF: 26.0/28

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

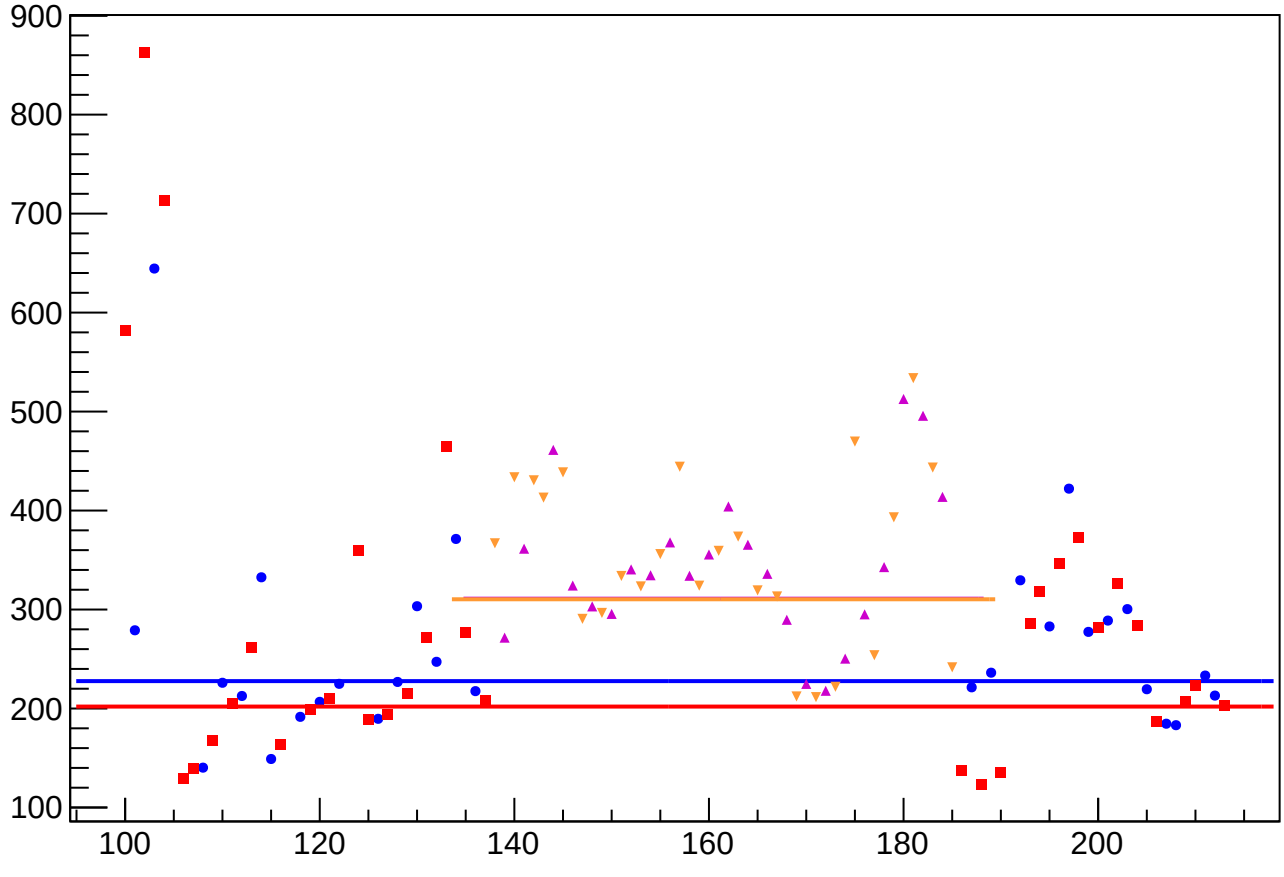
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.038+/-0.038 χ^2/NDF: 65.2/61

In: -0.034+/-0.046 χ^2/NDF:59.6/51

Out: 0.053+/-0.042 χ^2/NDF:64.1/57

All: 0.013+/-0.031 χ^2/NDF: 125.6/109



Right In: 227.688+/-0.041 χ^2/NDF: 2189053.6/28

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

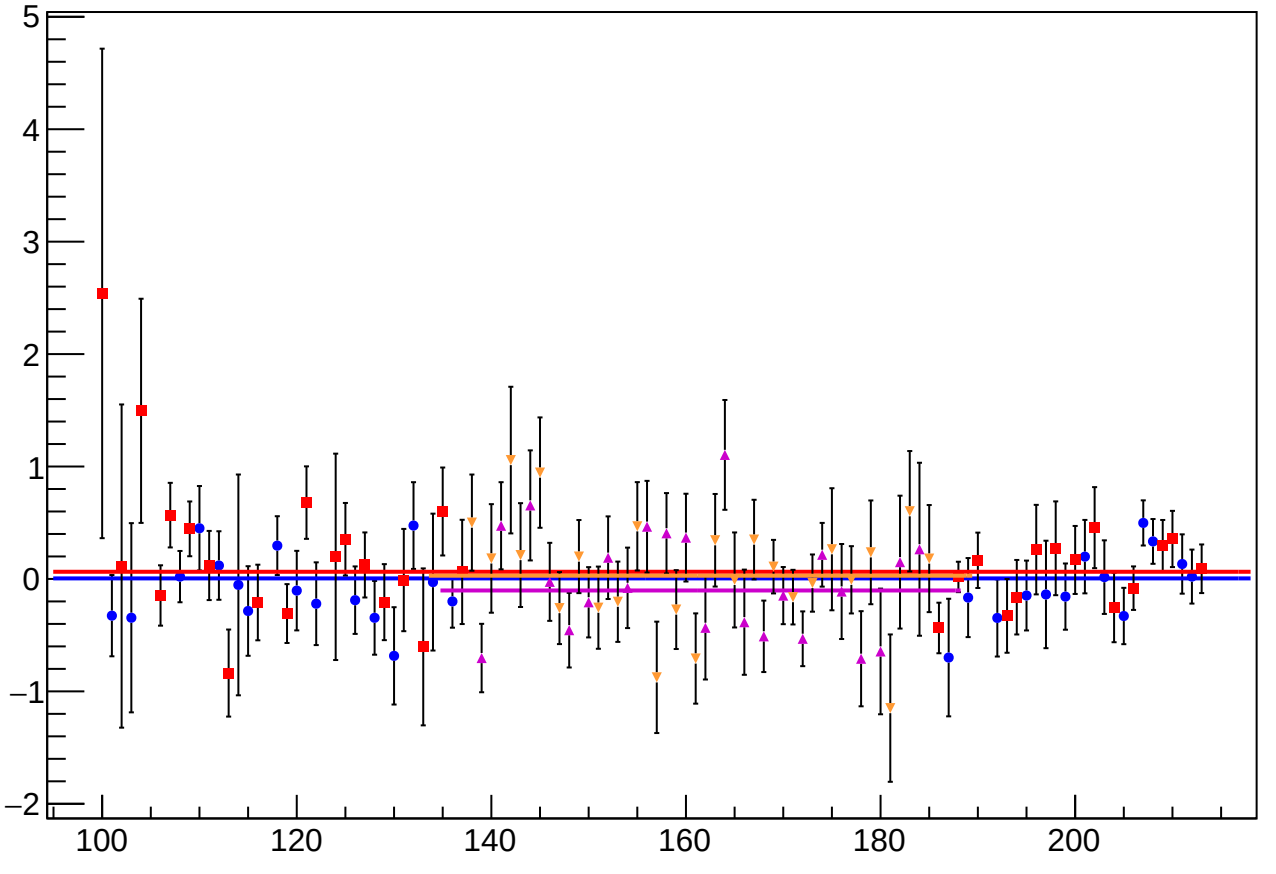
Right: 213.339+/-0.027 χ^2/NDF: 6765649.7/61

In: 258.048+/-0.033 χ^2/NDF:5305113.2/51

Out: 236.834+/-0.030 χ^2/NDF:9577543.9/57

All: 246.556+/-0.022 χ^2/NDF: 15112670.1/10

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.058 χ^2/NDF: 26.0/28

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

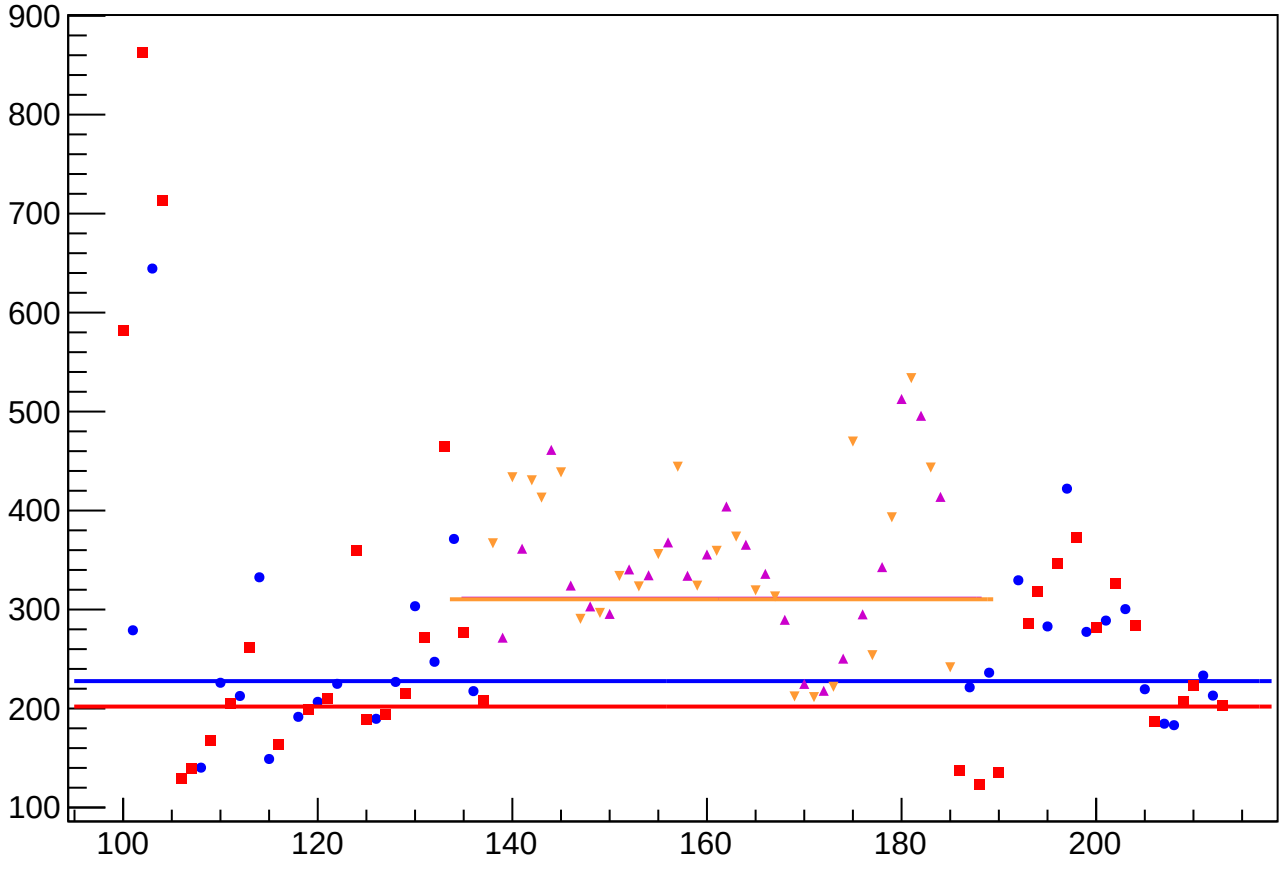
Right: 0.038+/-0.038 χ^2/NDF: 65.2/61

In: -0.034+/-0.046 χ^2/NDF:59.6/51

Out: 0.053+/-0.042 χ^2/NDF:64.1/57

All: 0.013+/-0.031 χ^2/NDF: 125.6/109

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 227.688+/-0.041 χ^2/NDF: 2189053.6/28

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

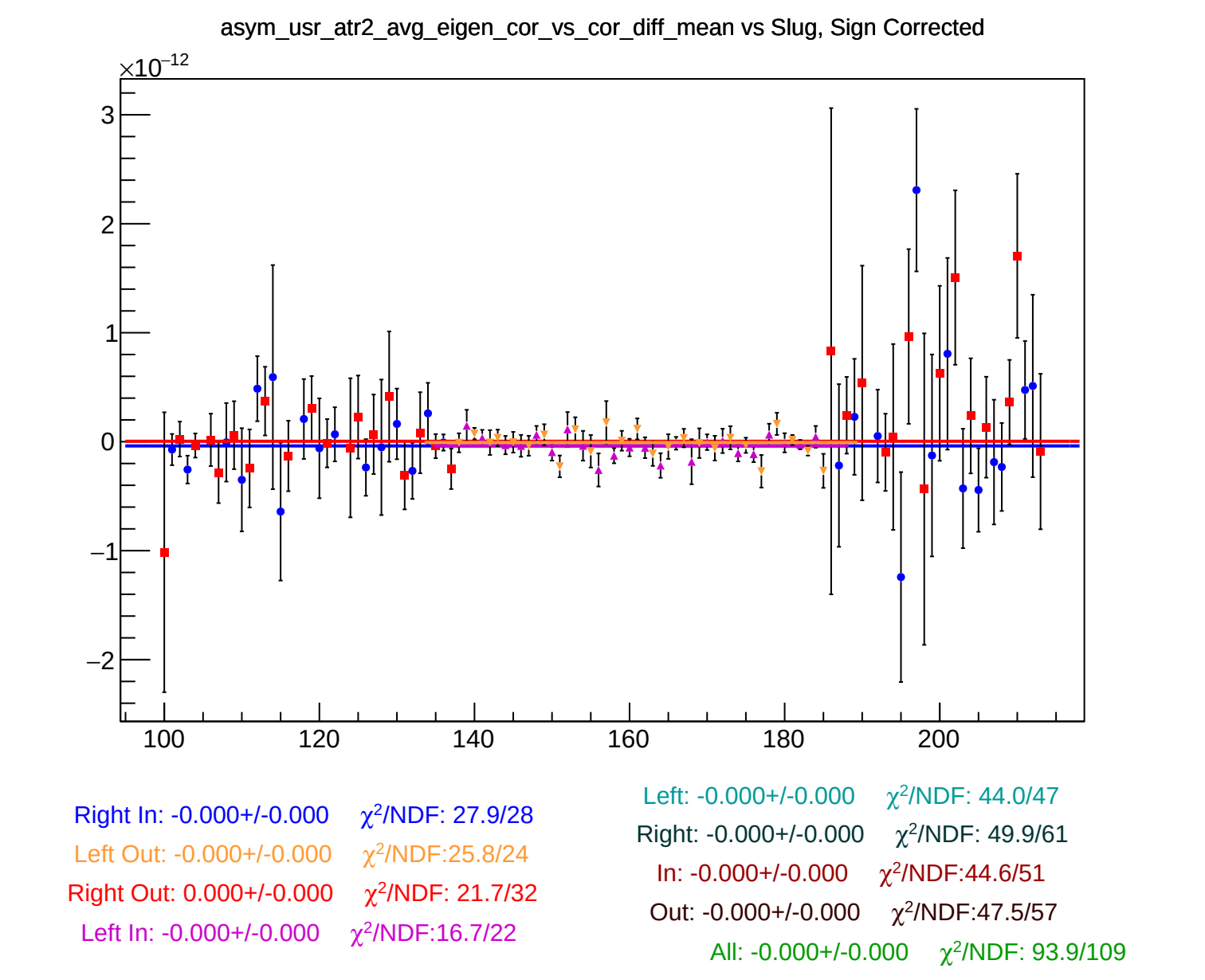
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

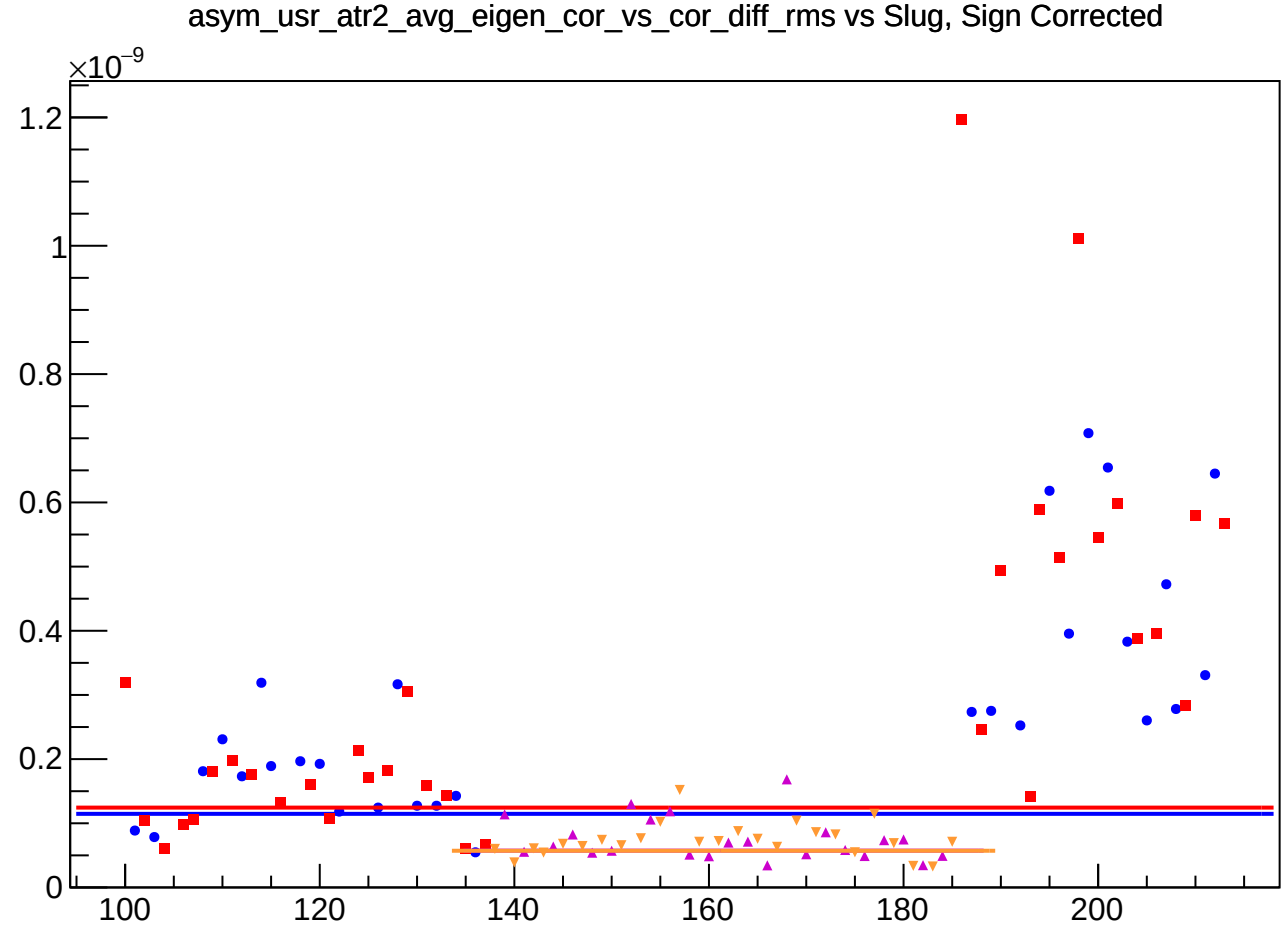
Right: 213.339+/-0.027 χ^2/NDF: 6765649.7/61

In: 258.048+/-0.033 χ^2/NDF:5305113.2/51

Out: 236.834+/-0.030 χ^2/NDF:9577543.9/57

All: 246.556+/-0.022 χ^2/NDF: 15112670.1/10


asym_usr_atr2_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: 27.9/28
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.7/32
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 44.0/47
Right: -0.000+/-0.000 χ²/NDF: 49.9/61
In: -0.000+/-0.000 χ²/NDF:44.6/51
Out: -0.000+/-0.000 χ²/NDF:47.5/57
All: -0.000+/-0.000 χ²/NDF: 93.9/109



Right In: 0.000+/-0.000 χ^2/NDF: 8321551.7/28

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

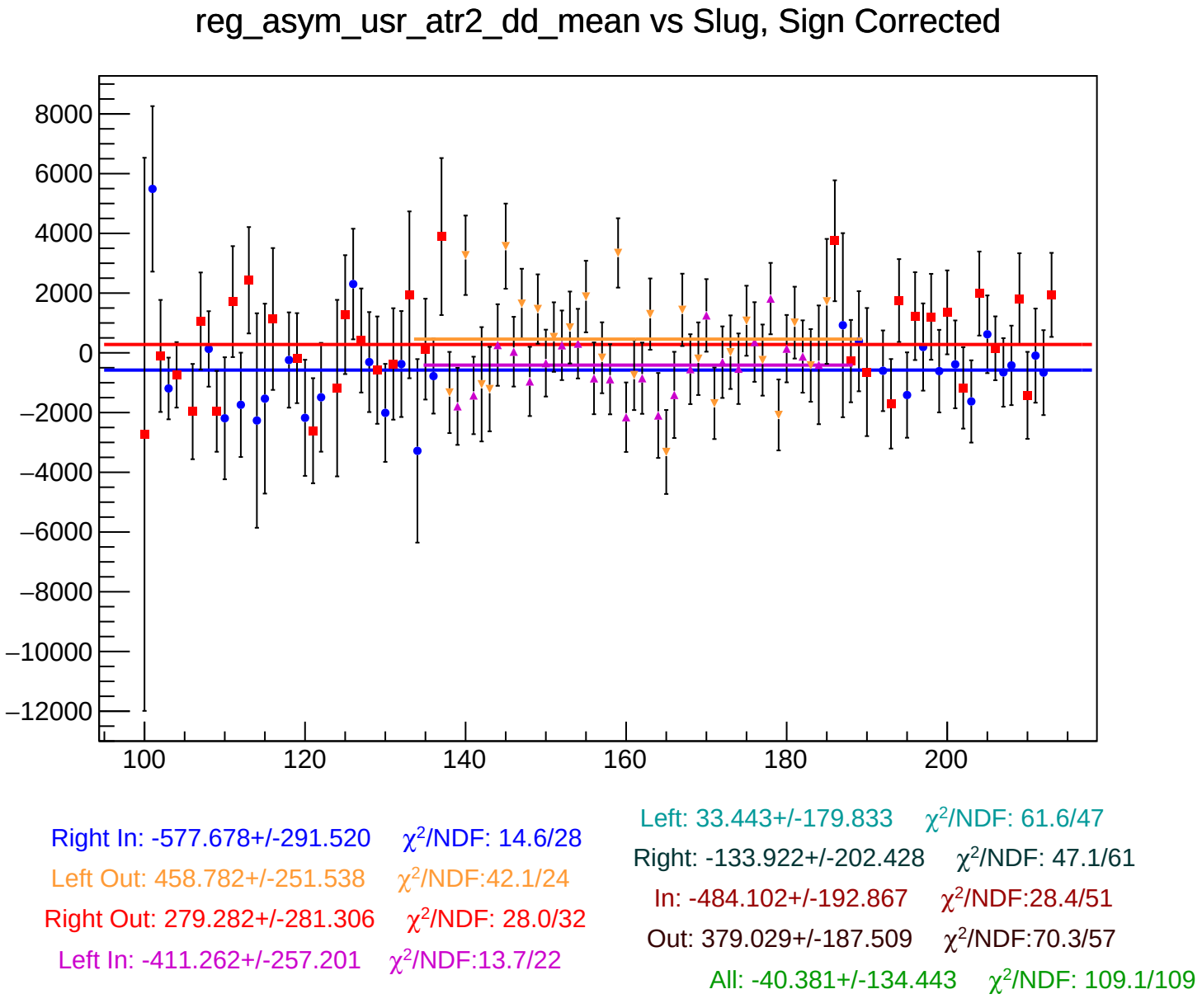
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

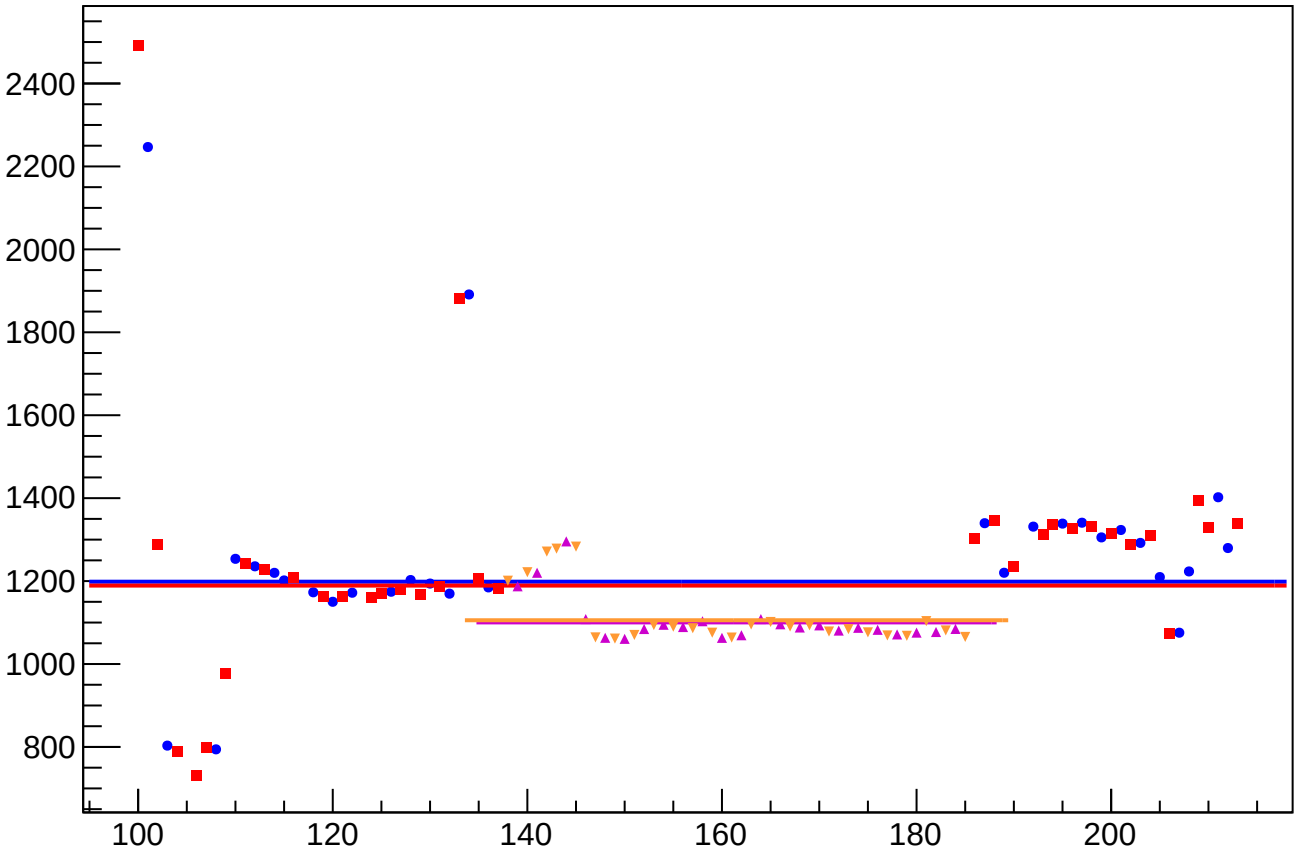
Right: 0.000+/-0.000 χ^2/NDF: 17620597.7/61

In: 0.000+/-0.000 χ^2/NDF:14185368.3/51

Out: 0.000+/-0.000 χ^2/NDF:15916625.6/57

All: 0.000+/-0.000 χ^2/NDF: 30102142.2/109


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -577.678+/-291.520 χ²/NDF: 14.6/28
Left Out: 458.782+/-251.538 χ²/NDF:42.1/24
Right Out: 279.282+/-281.306 χ²/NDF: 28.0/32
Left In: -411.262+/-257.201 χ²/NDF:13.7/22
Left: 33.443+/-179.833 χ²/NDF: 61.6/47
Right: -133.922+/-202.428 χ²/NDF: 47.1/61
In: -484.102+/-192.867 χ²/NDF:28.4/51
Out: 379.029+/-187.509 χ²/NDF:70.3/57
All: -40.381+/-134.443 χ²/NDF: 109.1/109



Right In: 1198.526+/-0.206 χ^2/NDF: 1052716.9/28

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

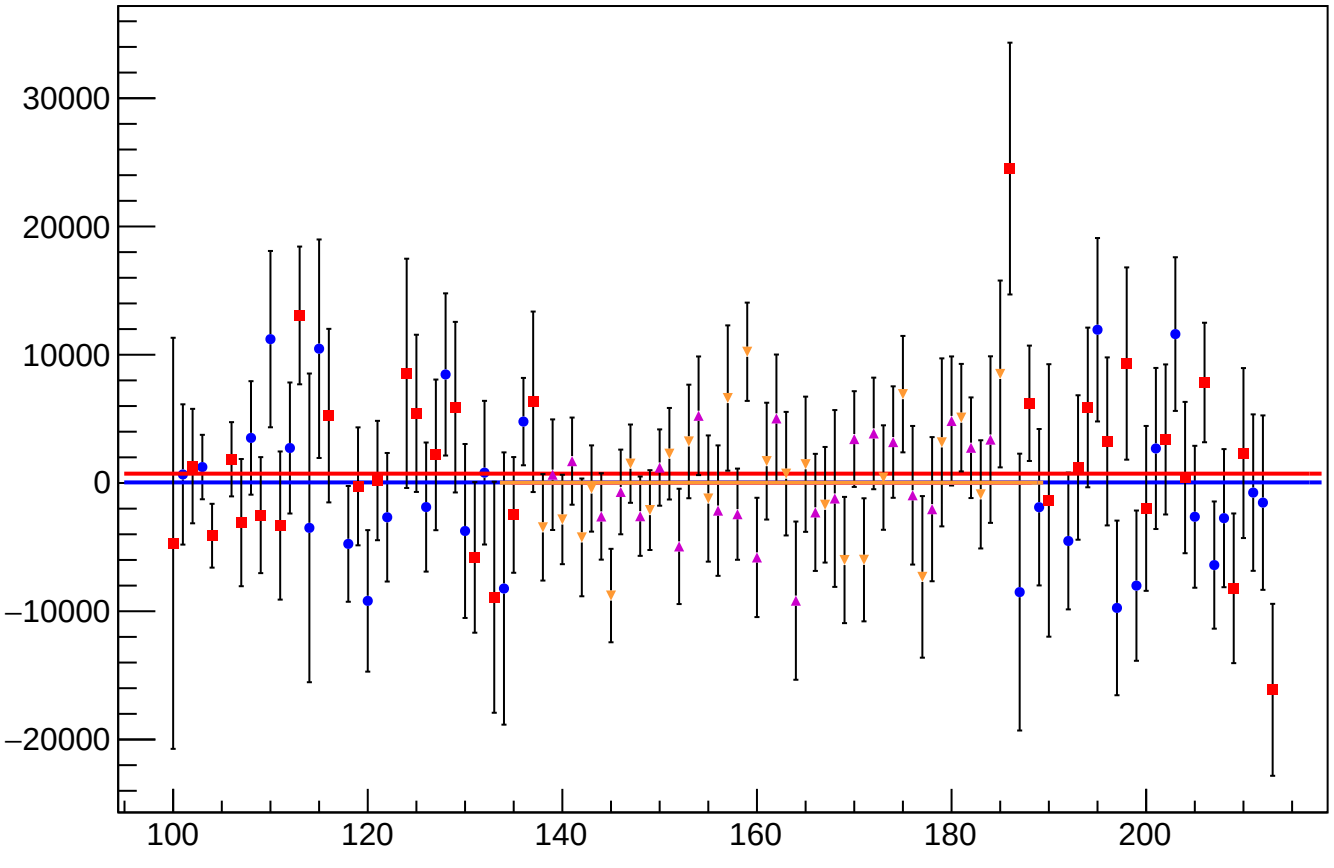
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1193.655+/-0.143 χ^2/NDF: 2109847.7/61

In: 1143.322+/-0.136 χ^2/NDF:1260505.1/51

Out: 1142.856+/-0.132 χ^2/NDF:1276600.1/57

All: 1143.082+/-0.095 χ^2/NDF: 2537111.2/10



Right In: 45.608+/-995.787 χ^2/NDF: 28.7/28

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

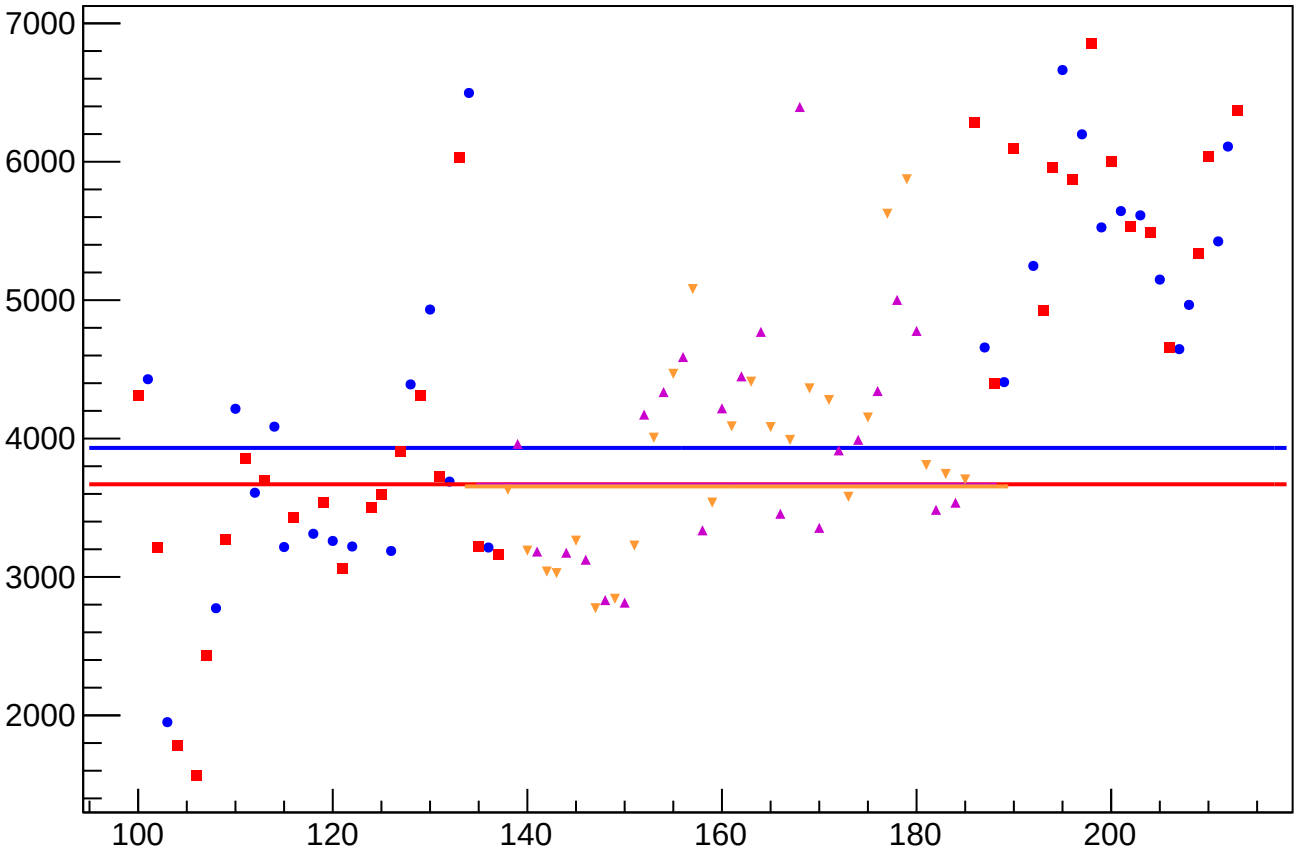
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 413.041+/-676.644 χ^2/NDF: 67.0/61

In: 23.442+/-657.406 χ^2/NDF:42.7/51

Out: 347.266+/-625.192 χ^2/NDF:66.8/57

All: 193.482+/-453.038 χ^2/NDF: 109.7/109



Right In: 3932.292+/-0.704 χ^2/NDF: 3485050.3/28

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

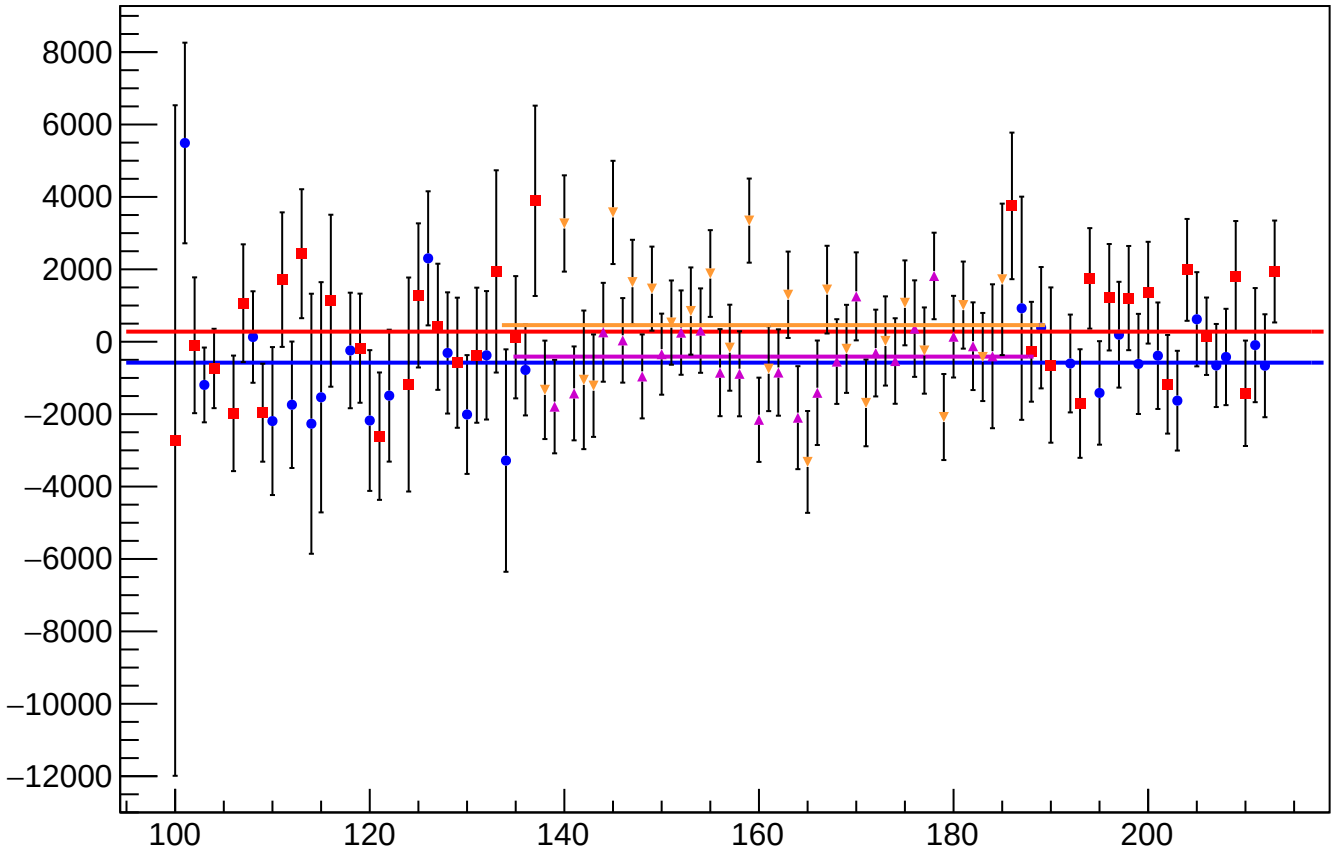
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3790.900+/-0.478 χ^2/NDF: 8907246.0/61

In: 3782.129+/-0.465 χ^2/NDF:4909376.7/51

Out: 3661.282+/-0.442 χ^2/NDF:6659348.4/57

All: 3718.672+/-0.320 χ^2/NDF: 11604212.8/1



Right In: -577.716+/-291.520 χ^2/NDF: 14.6/28

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

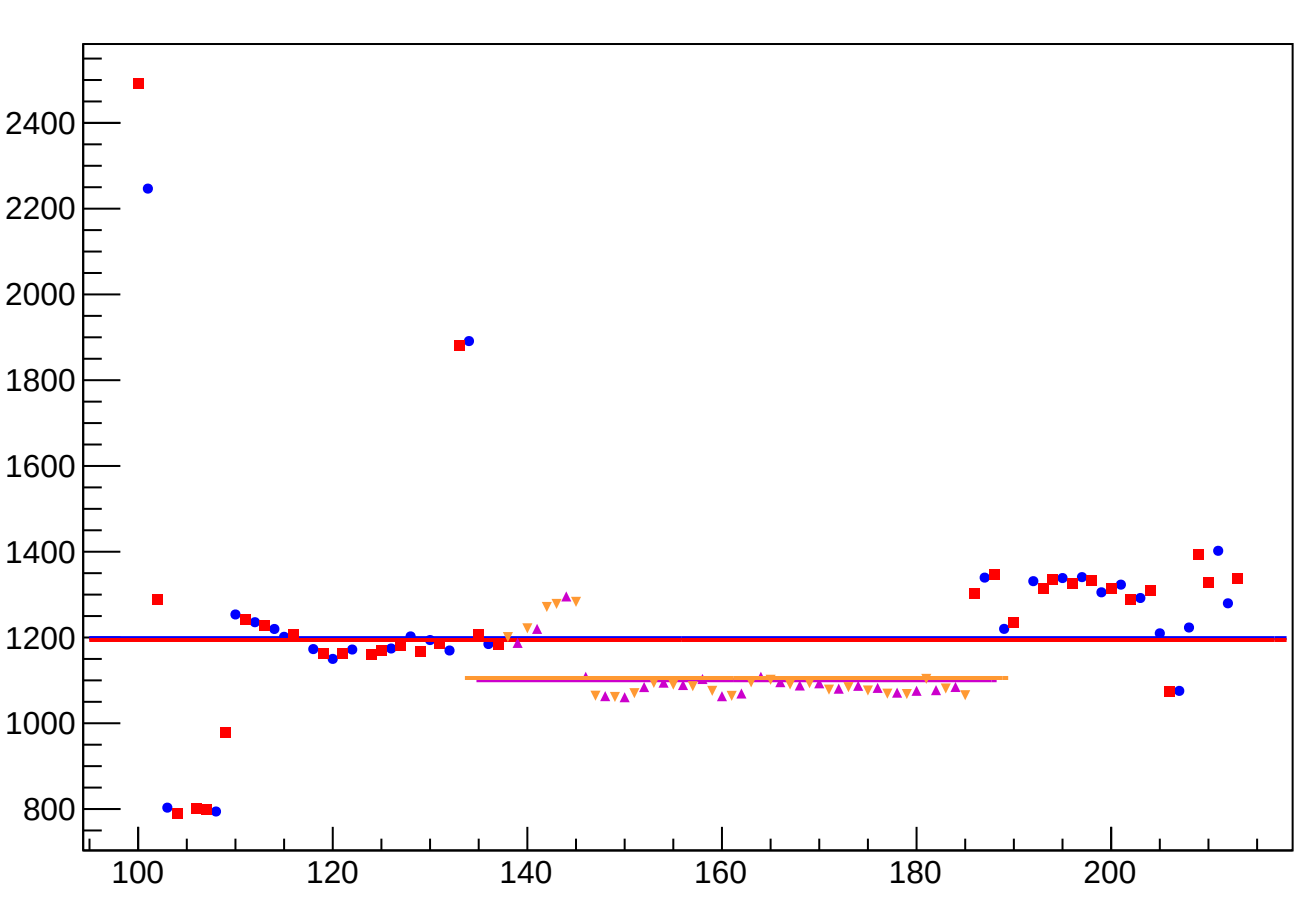
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -134.026+/-202.429 χ^2/NDF: 47.1/61

In: -484.064+/-192.867 χ^2/NDF:28.4/51

Out: 378.992+/-187.509 χ^2/NDF:70.3/57

All: -40.382+/-134.443 χ^2/NDF: 109.1/109



Right In: 1198.526+/-0.206 χ^2/NDF: 1052712.3/28

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

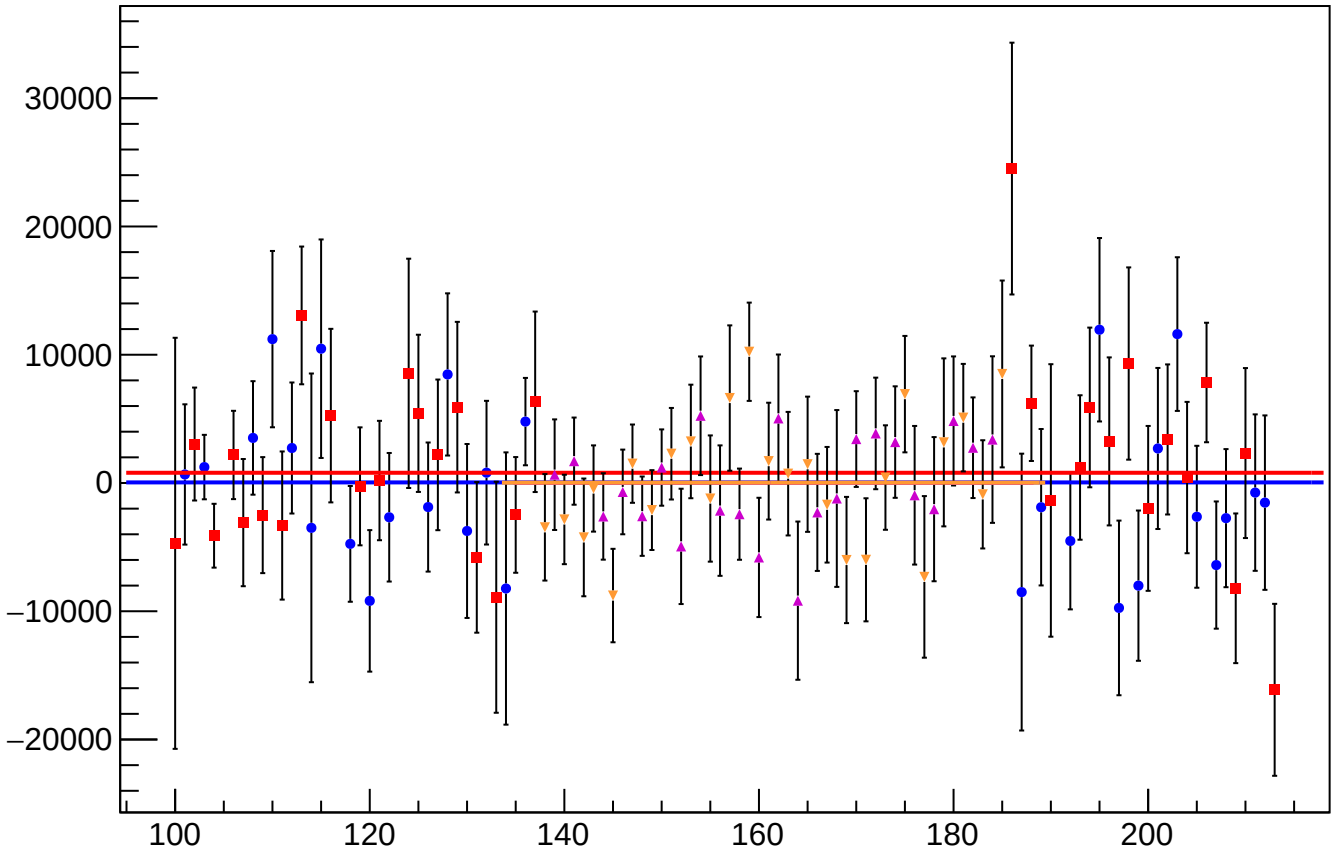
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1196.279+/-0.143 χ^2/NDF: 2027569.1/61

In: 1143.322+/-0.136 χ^2/NDF:1260501.3/51

Out: 1144.972+/-0.133 χ^2/NDF:1207039.5/57

All: 1144.171+/-0.095 χ^2/NDF: 2467616.1/10



Right In: 45.185+/-995.813 χ^2/NDF: 28.7/28

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

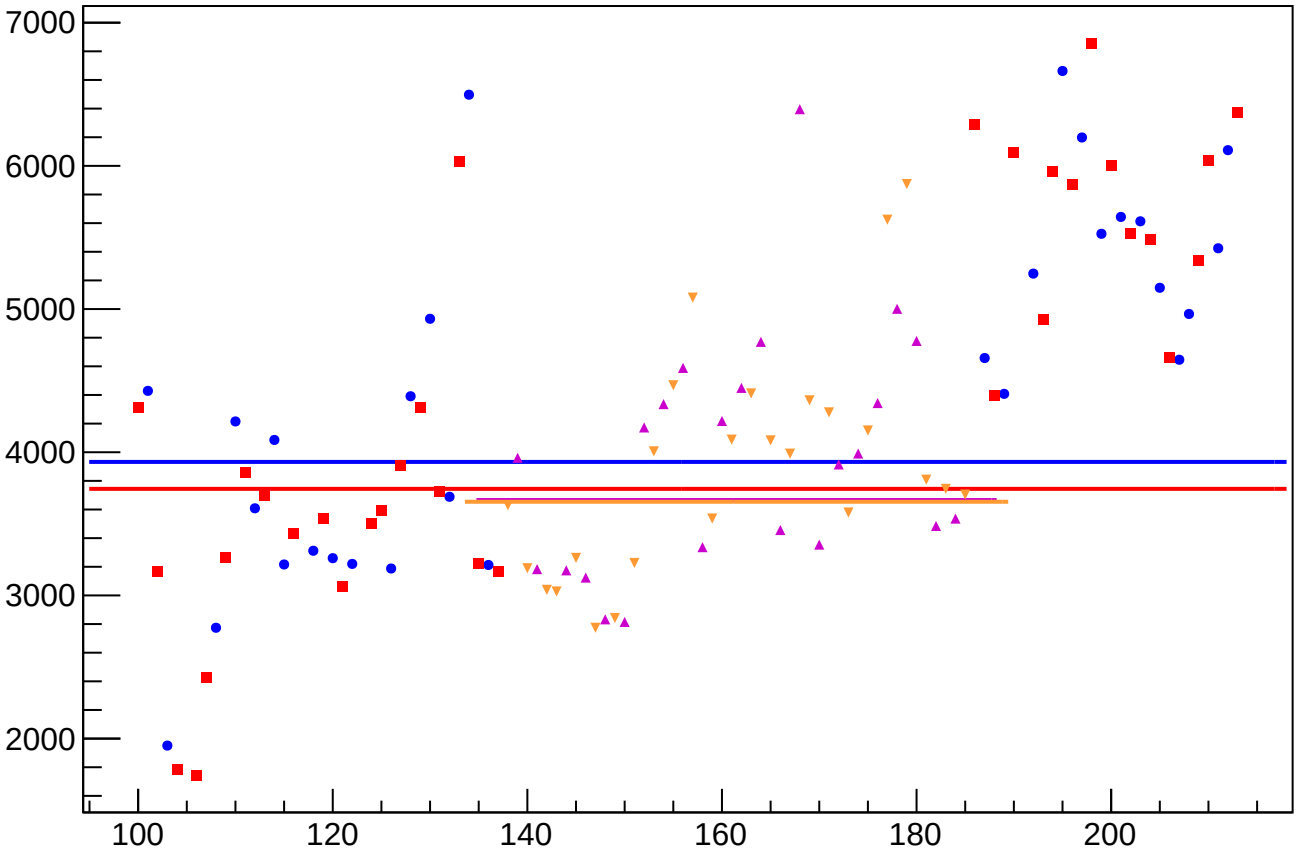
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 444.479+/-681.923 χ^2/NDF: 67.3/61

In: 23.286+/-657.413 χ^2/NDF:42.7/51

Out: 373.326+/-629.343 χ^2/NDF:67.1/57

All: 205.938+/-454.612 χ^2/NDF: 110.0/109



Right In: 3932.451+/-0.704 χ^2/NDF: 3484177.5/28

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

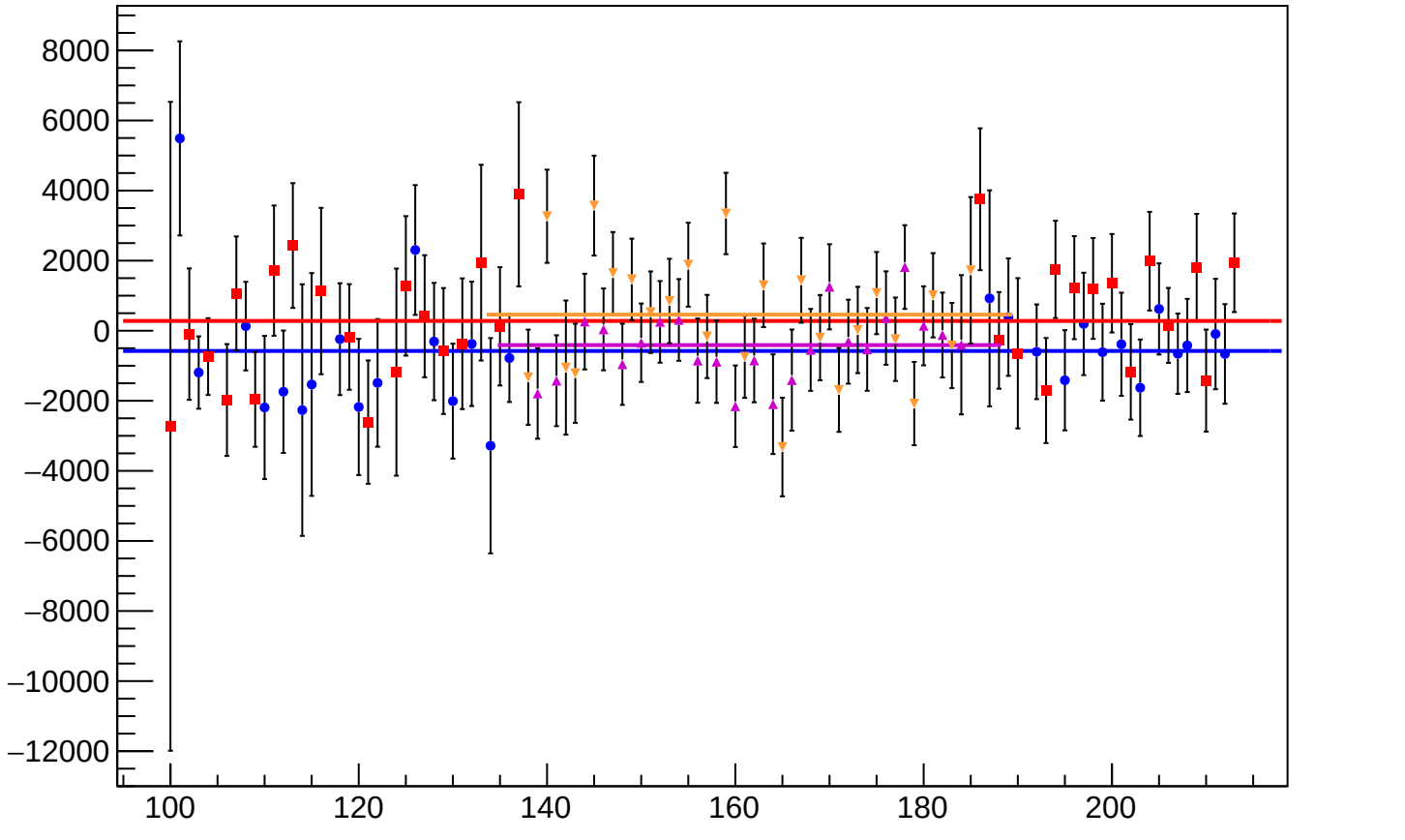
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3832.535+/-0.482 χ^2/NDF: 8431818.0/61

In: 3782.193+/-0.465 χ^2/NDF:4908602.4/51

Out: 3694.955+/-0.445 χ^2/NDF:6231653.4/57

All: 3736.672+/-0.321 χ^2/NDF: 11158632.8/1


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
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−6000
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−12000
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180
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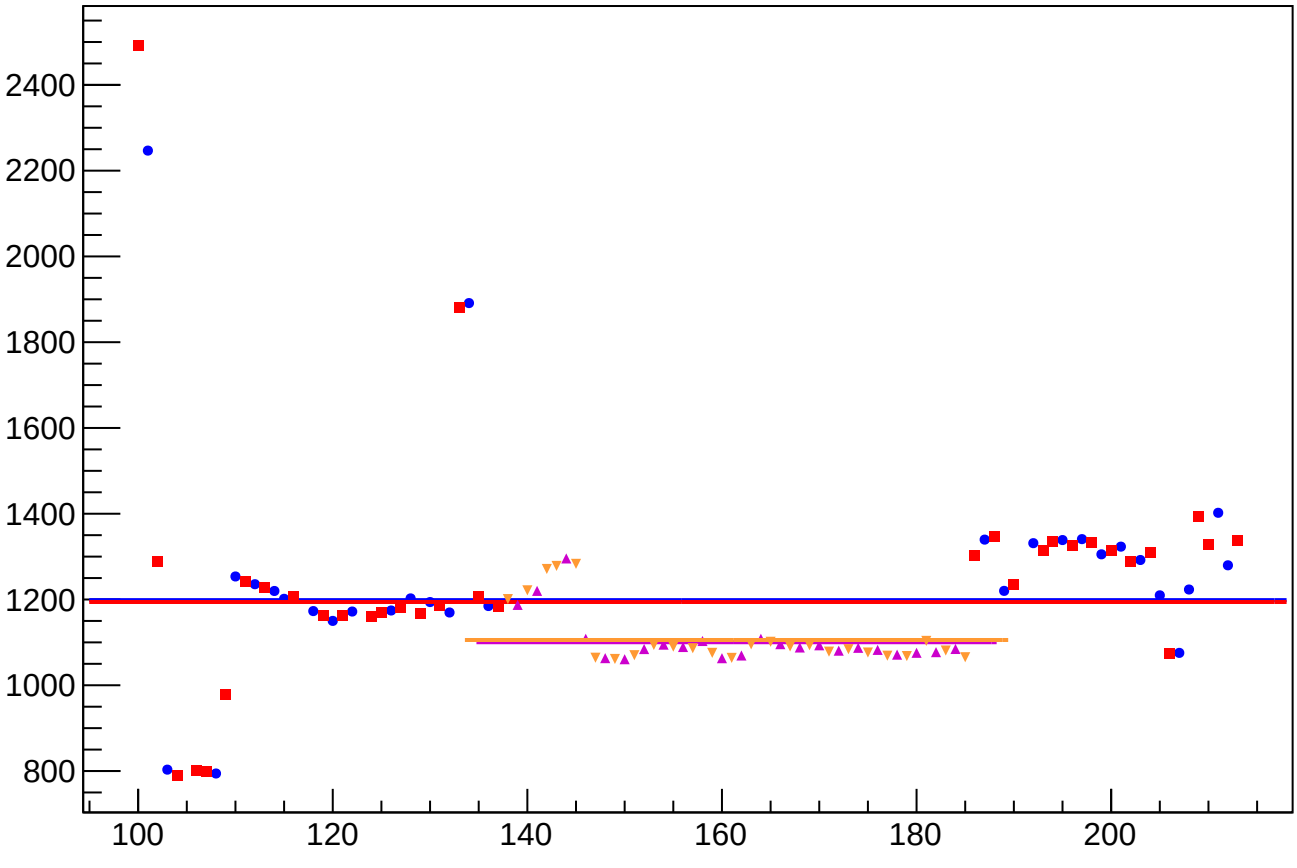
Right In: -577.716+/-291.520 χ²/NDF: 14.6/28
Left Out: 458.844+/-251.538 χ²/NDF:42.1/24
Right Out: 279.120+/-281.307 χ²/NDF: 28.0/32
Left In: -411.165+/-257.201 χ²/NDF:13.7/22
Left: 33.523+/-179.833 χ²/NDF: 61.6/47
Right: -134.026+/-202.429 χ²/NDF: 47.1/61
In: -484.064+/-192.867 χ²/NDF:28.4/51
Out: 378.992+/-187.509 χ²/NDF:70.3/57
All: -40.382+/-134.443 χ²/NDF: 109.1/109



Right In: 1198.526+/-0.206 χ^2/NDF: 1052712.3/28

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

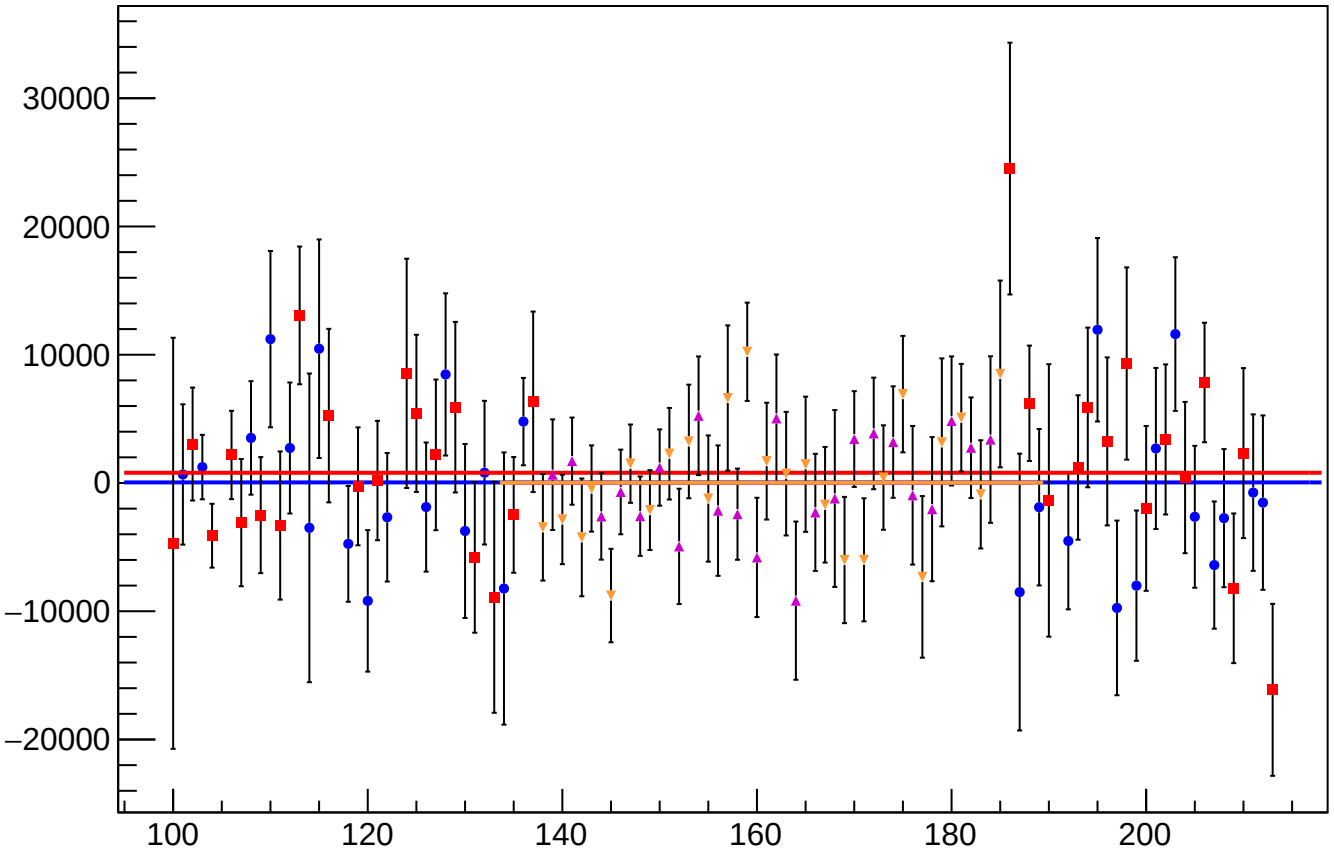
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1196.279+/-0.143 χ^2/NDF: 2027569.1/61

In: 1143.322+/-0.136 χ^2/NDF:1260501.3/51

Out: 1144.972+/-0.133 χ^2/NDF:1207039.5/57

All: 1144.171+/-0.095 χ^2/NDF: 2467616.1/10


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
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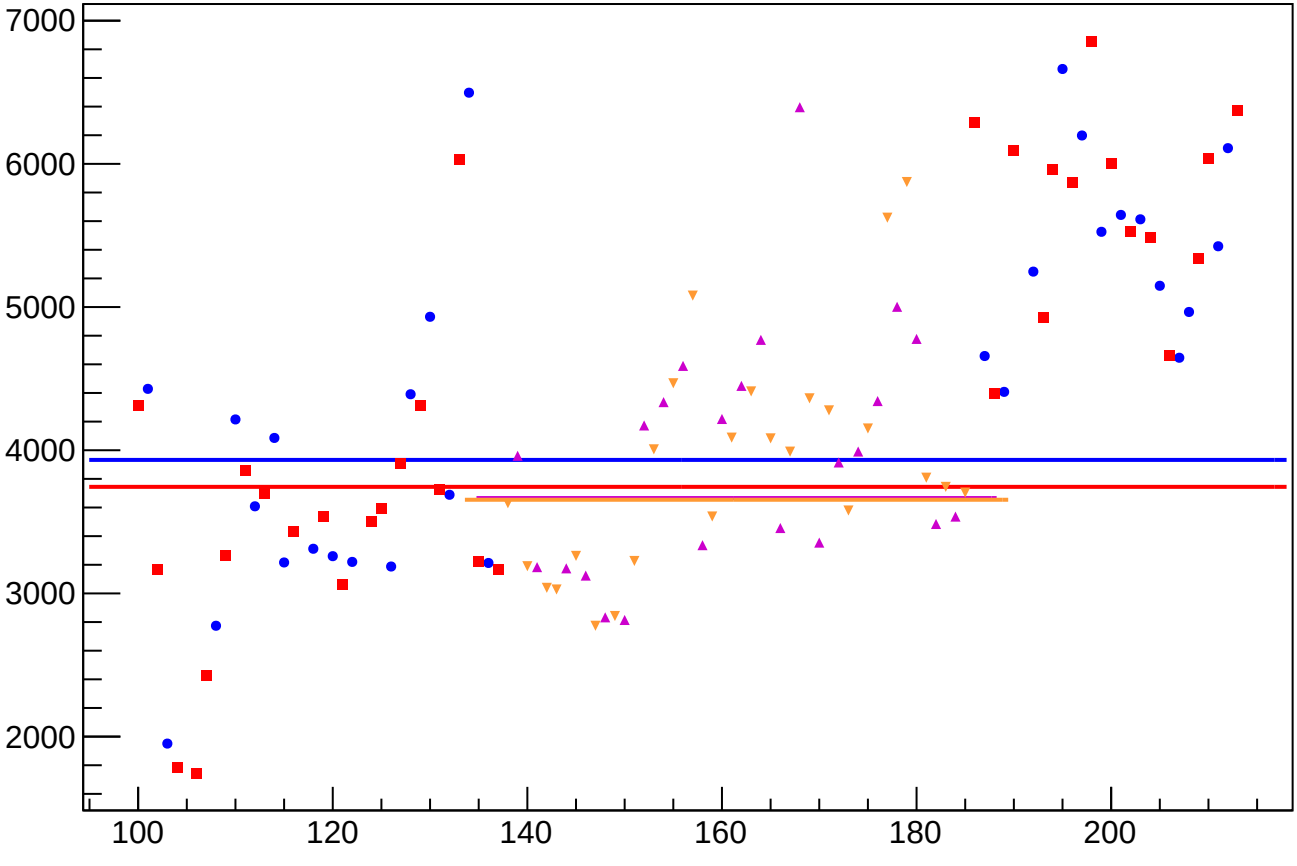
−10000
−20000
100
120
140
160
180
200
Right In: 45.185+/-995.813 χ²/NDF: 28.7/28
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 797.062+/-935.756 χ²/NDF: 38.3/32
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 444.479+/-681.923 χ²/NDF: 67.3/61
In: 23.286+/-657.413 χ²/NDF:42.7/51
Out: 373.326+/-629.343 χ²/NDF:67.1/57
All: 205.938+/-454.612 χ²/NDF: 110.0/109

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3932.451+/-0.704 χ^2/NDF: 3484177.5/28

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

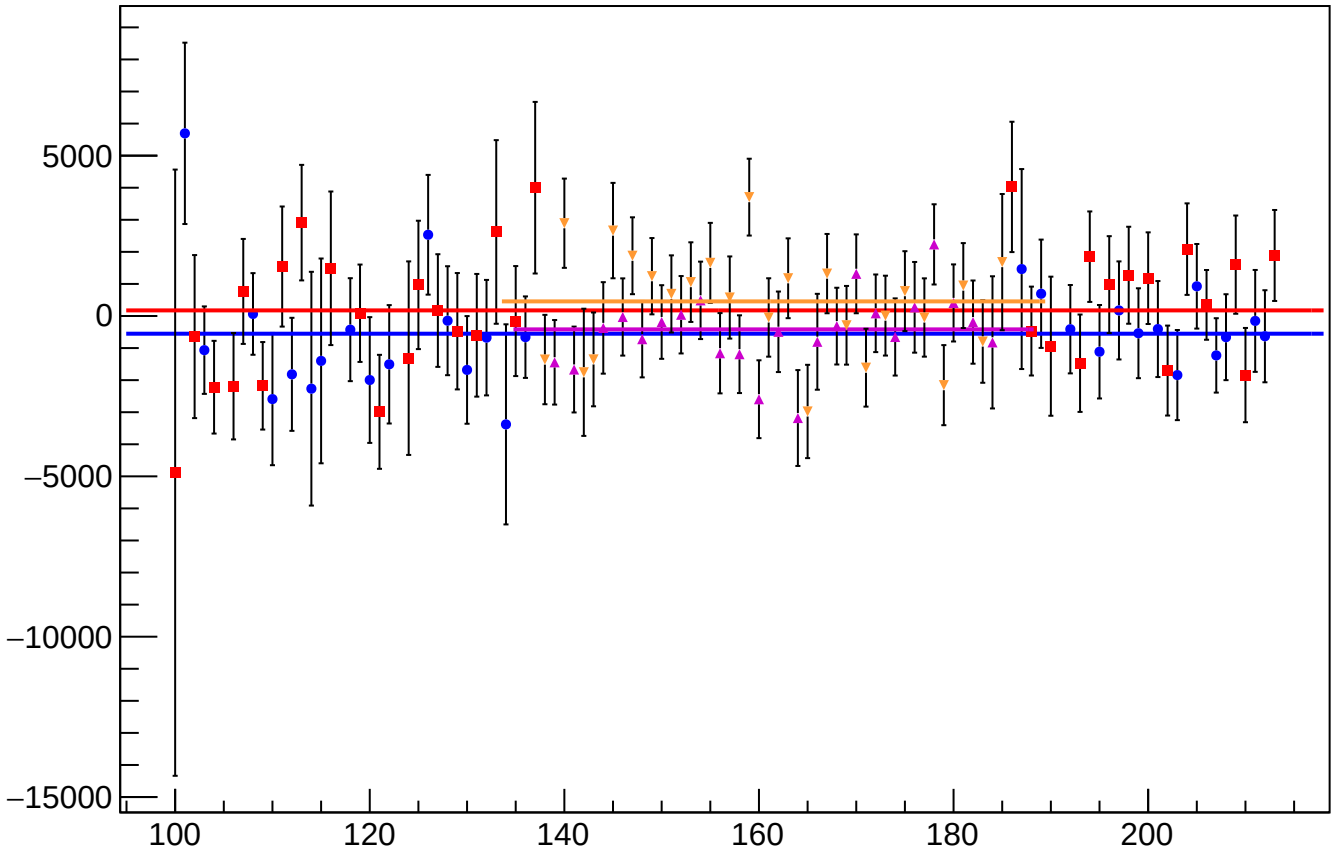
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3832.535+/-0.482 χ^2/NDF: 8431818.0/61

In: 3782.193+/-0.465 χ^2/NDF:4908602.4/51

Out: 3694.955+/-0.445 χ^2/NDF:6231653.4/57

All: 3736.672+/-0.321 χ^2/NDF: 11158632.8/1



Right In: -552.173+/-300.570 χ^2/NDF: 15.8/28

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

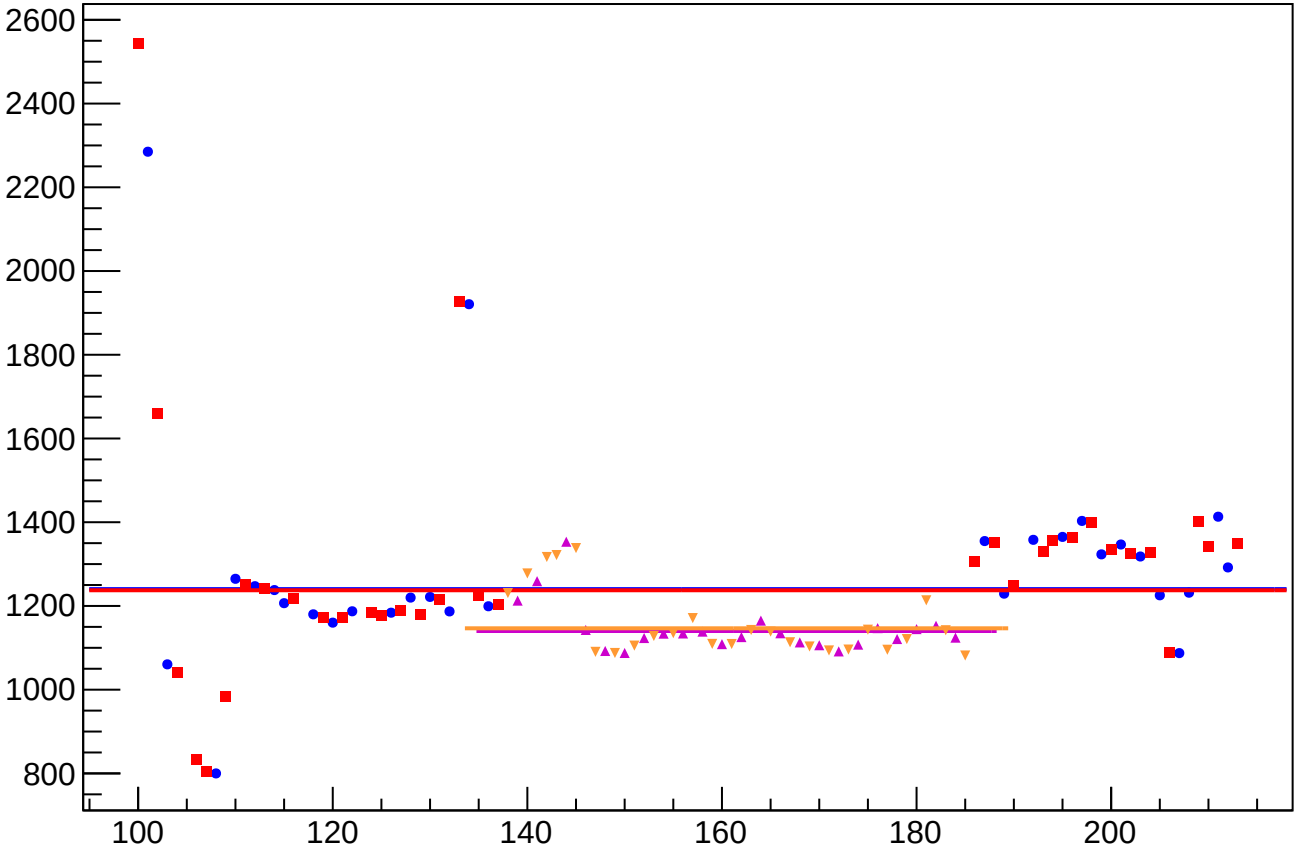
Right: -176.923+/-209.077 χ^2/NDF: 52.7/61

In: -476.628+/-199.441 χ^2/NDF:33.2/51

Out: 330.510+/-194.307 χ^2/NDF:70.5/57

All: -62.536+/-139.175 χ^2/NDF: 112.2/109

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1240.198+/-0.213 χ^2/NDF: 796223.8/28

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

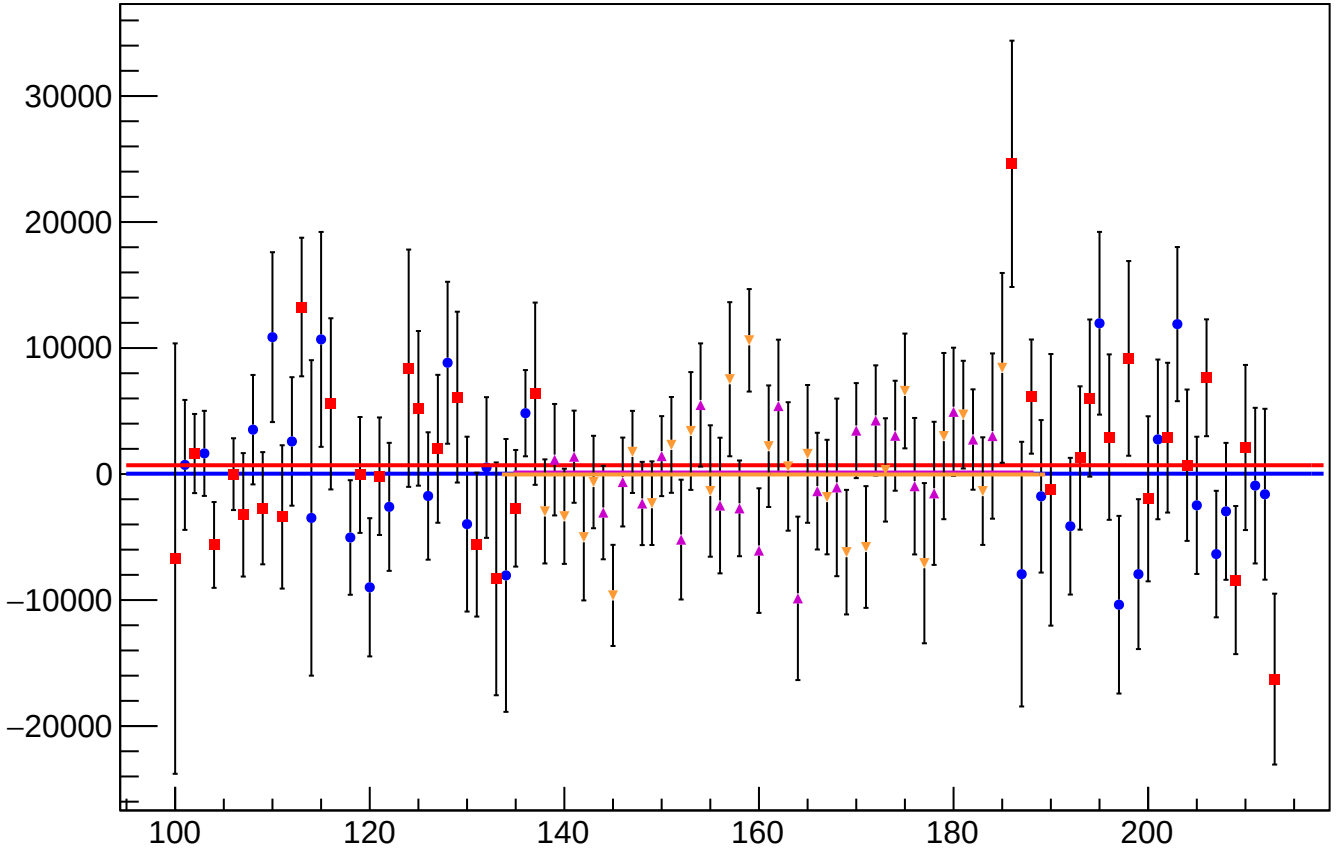
Right: 1238.802+/-0.148 χ^2/NDF: 1568513.7/61

In: 1184.210+/-0.141 χ^2/NDF:1004943.7/51

Out: 1187.136+/-0.137 χ^2/NDF:1021341.8/57

All: 1185.711+/-0.098 χ^2/NDF: 2026506.5/10

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 28.876+/-1034.639 χ^2/NDF: 28.5/28

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

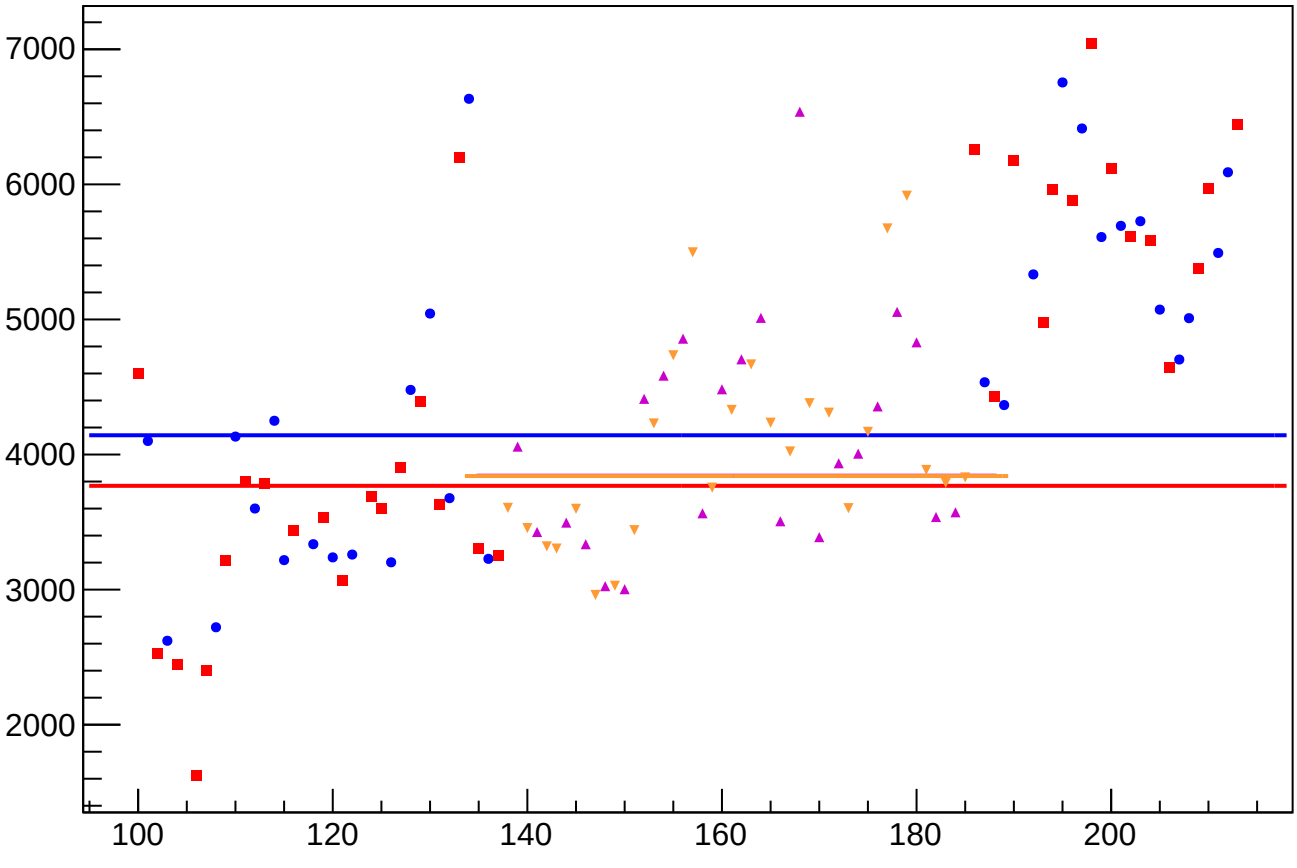
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 398.224+/-693.285 χ^2/NDF: 66.1/61

In: 80.564+/-685.717 χ^2/NDF:42.3/51

Out: 315.731+/-644.831 χ^2/NDF:65.4/57

All: 205.367+/-469.754 χ^2/NDF: 107.8/109



Right In: 4142.723+/-0.732 χ^2/NDF: 2554910.0/28

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

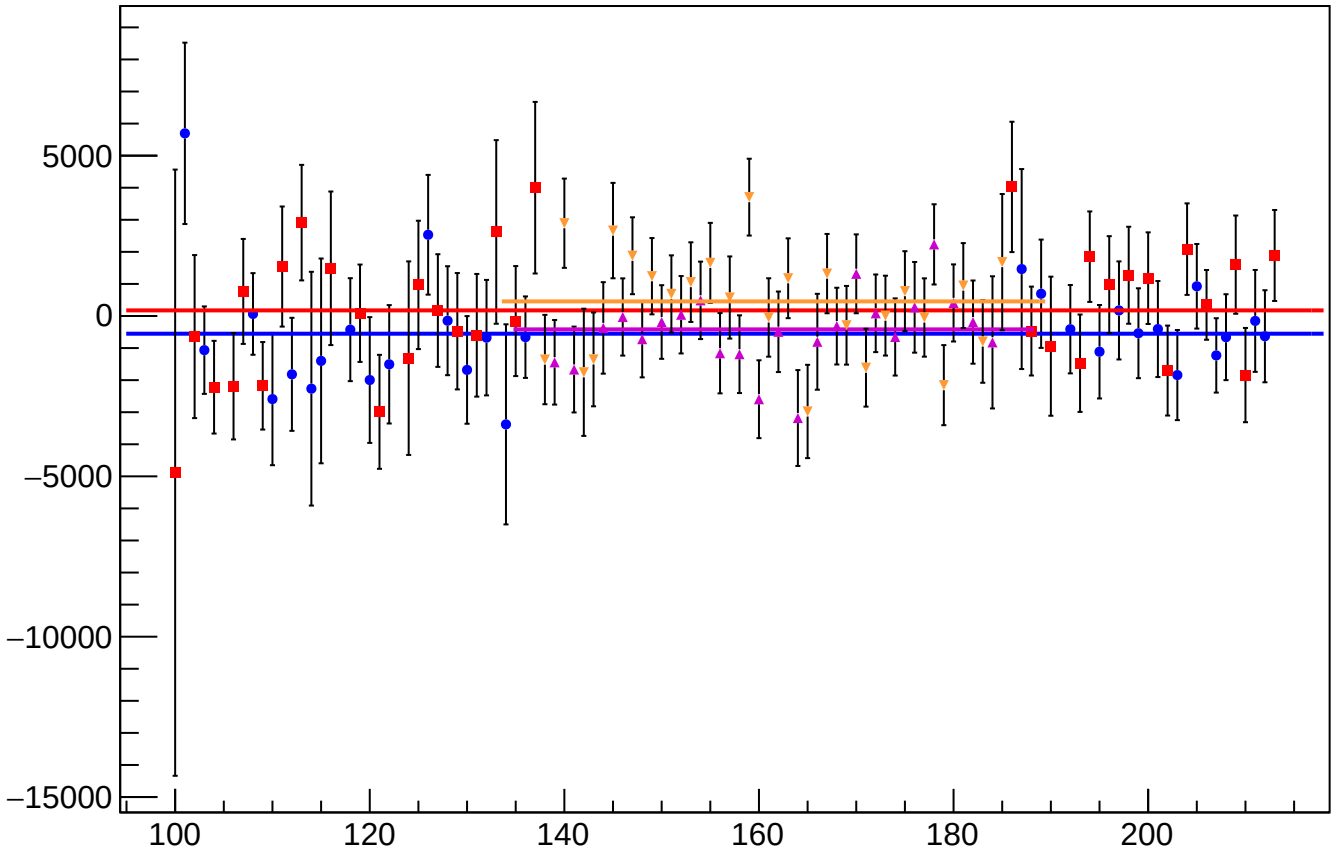
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3936.489+/-0.490 χ^2/NDF: 7454449.1/61

In: 3974.837+/-0.485 χ^2/NDF:3844877.3/51

Out: 3806.321+/-0.456 χ^2/NDF:5880276.7/57

All: 3885.406+/-0.332 χ^2/NDF: 9789256.4/10



Right In: -552.171+/-300.570 χ^2/NDF: 15.8/28

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

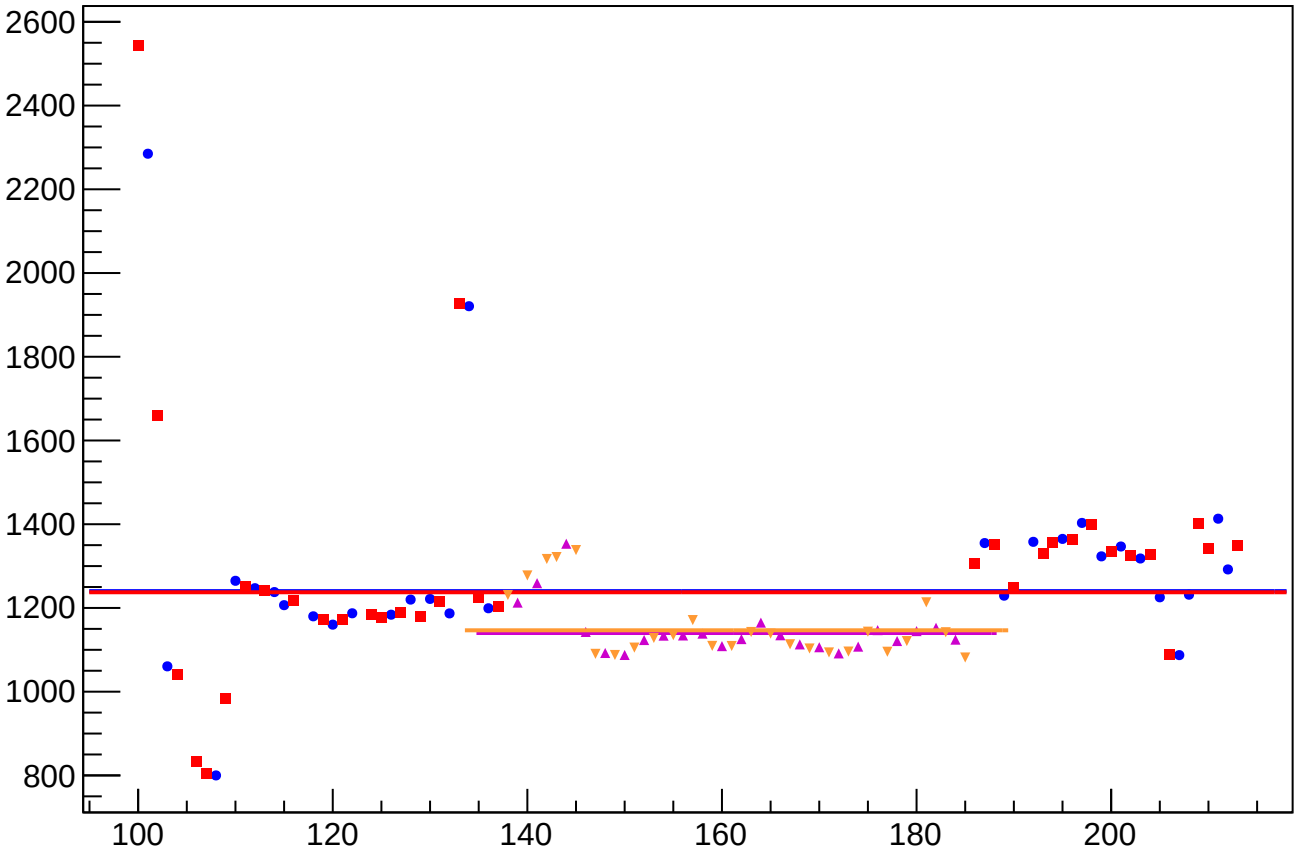
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -176.924+/-209.077 χ^2/NDF: 52.7/61

In: -476.627+/-199.441 χ^2/NDF:33.2/51

Out: 330.512+/-194.307 χ^2/NDF:70.5/57

All: -62.534+/-139.175 χ^2/NDF: 112.2/109



Right In: 1240.198+/-0.213 χ^2/NDF: 796224.8/28

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

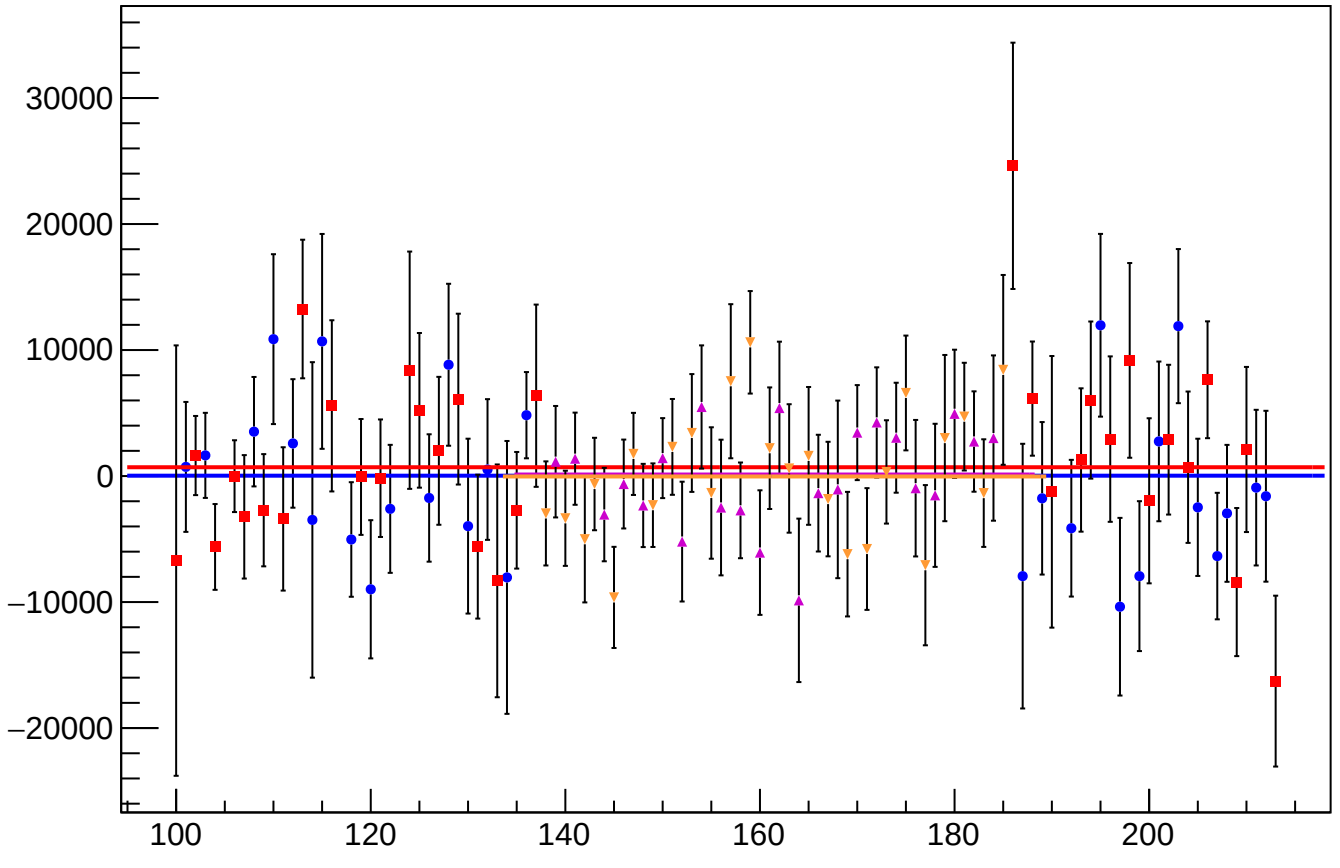
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1238.802+/-0.148 χ^2/NDF: 1568514.1/61

In: 1184.210+/-0.141 χ^2/NDF:1004942.6/51

Out: 1187.137+/-0.137 χ^2/NDF:1021340.1/57

All: 1185.712+/-0.098 χ^2/NDF: 2026503.6/10



Right In: 28.868+/-1034.639 χ^2/NDF: 28.5/28

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: 699.192+/-933.976 χ^2/NDF: 37.4/32

Left In: 121.054+/-915.716 χ^2/NDF:13.8/22

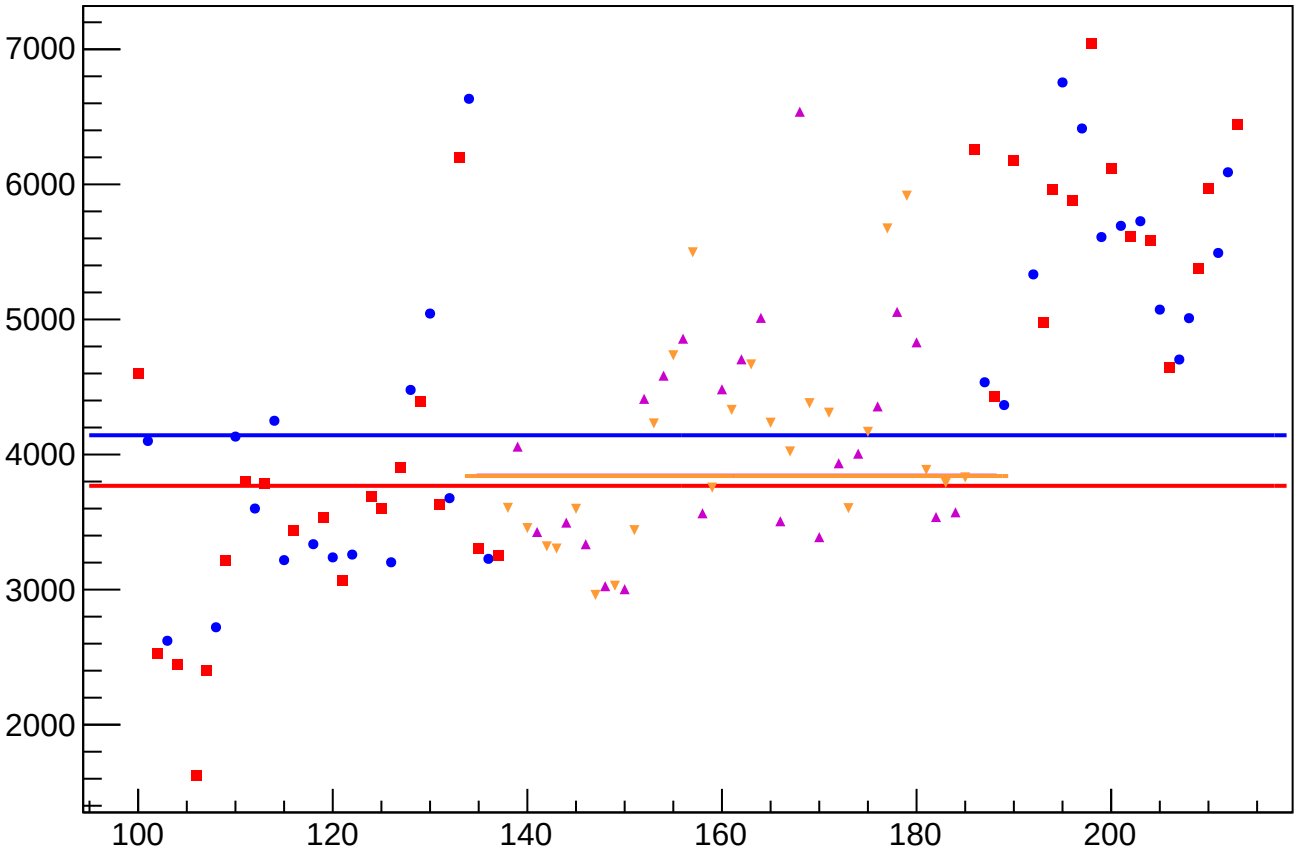
Left: 41.671+/-638.728 χ^2/NDF: 41.5/47

Right: 398.217+/-693.285 χ^2/NDF: 66.1/61

In: 80.561+/-685.717 χ^2/NDF:42.3/51

Out: 315.729+/-644.831 χ^2/NDF:65.4/57

All: 205.365+/-469.754 χ^2/NDF: 107.8/109


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
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2000
100
120
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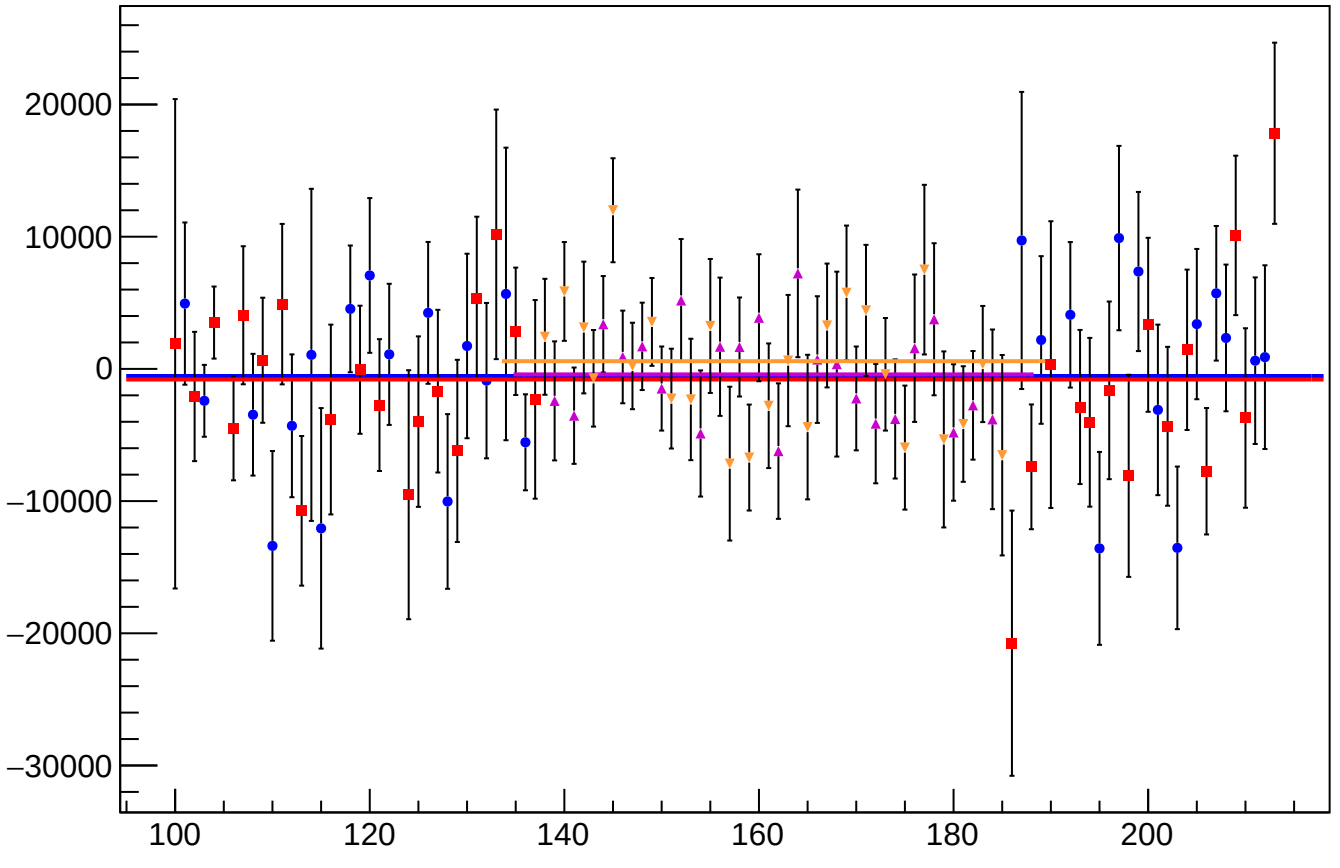
180
200
Right In: 4142.721+/-0.732 χ²/NDF: 2554925.0/28
Left Out: 3840.836+/-0.630 χ²/NDF:1118668.2/24
Right Out: 3768.429+/-0.660 χ²/NDF: 4755348.0/32
Left In: 3843.333+/-0.648 χ²/NDF:1196061.6/22
Left: 3842.051+/-0.452 χ²/NDF: 2314737.5/47
Right: 3936.486+/-0.490 χ²/NDF: 7454493.0/61
In: 3974.840+/-0.485 χ²/NDF:3844891.9/51
Out: 3806.321+/-0.456 χ²/NDF:5880306.7/57
All: 3885.407+/-0.332 χ²/NDF: 9789302.2/10



Right In: -537.050+/-1047.566 χ^2/NDF: 30.9/28

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

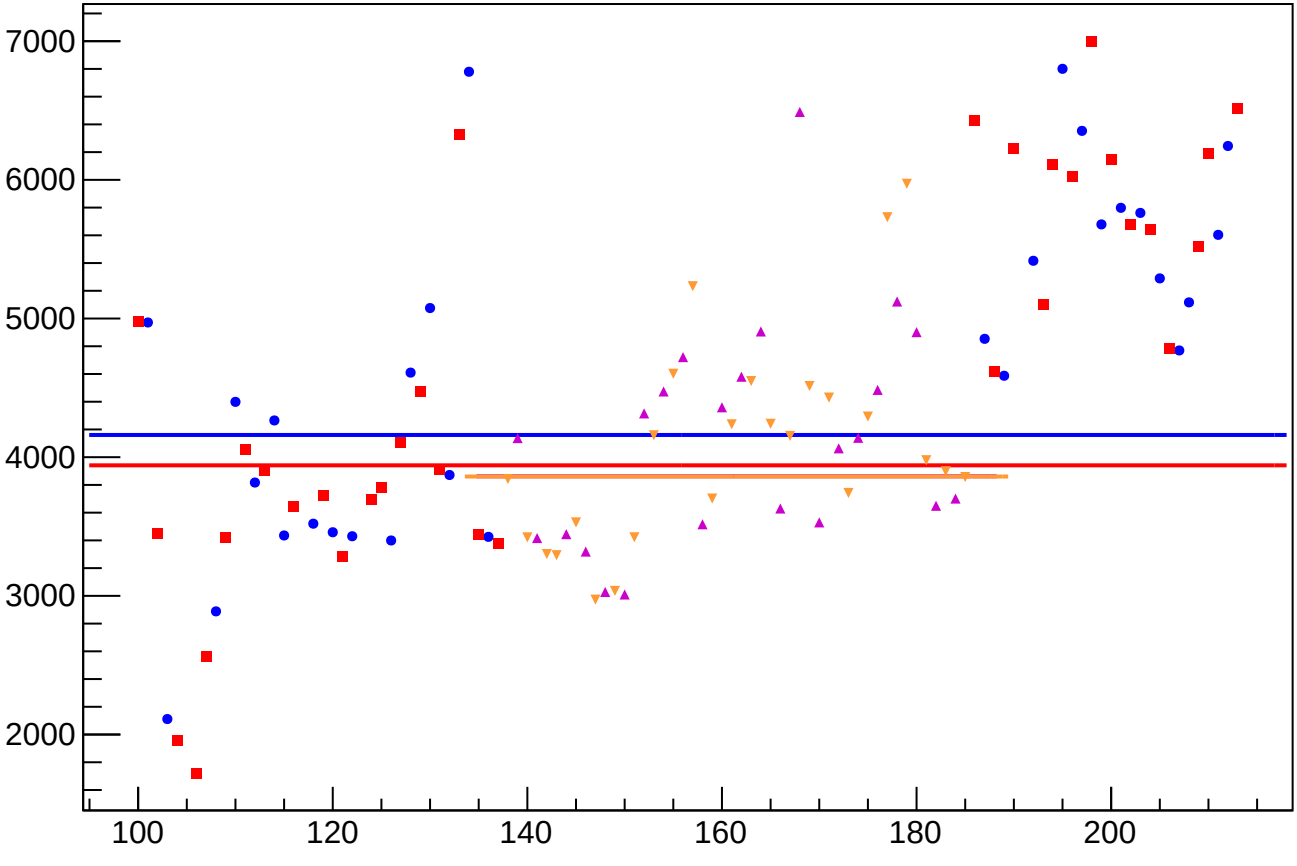
Right: -676.466+/-720.360 χ^2/NDF: 65.5/61

In: -469.099+/-690.842 χ^2/NDF:43.4/51

Out: -37.930+/-664.527 χ^2/NDF:63.0/57

All: -245.146+/-478.924 χ^2/NDF: 106.6/109

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 4160.306+/-0.741 χ^2/NDF: 3155321.4/28

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

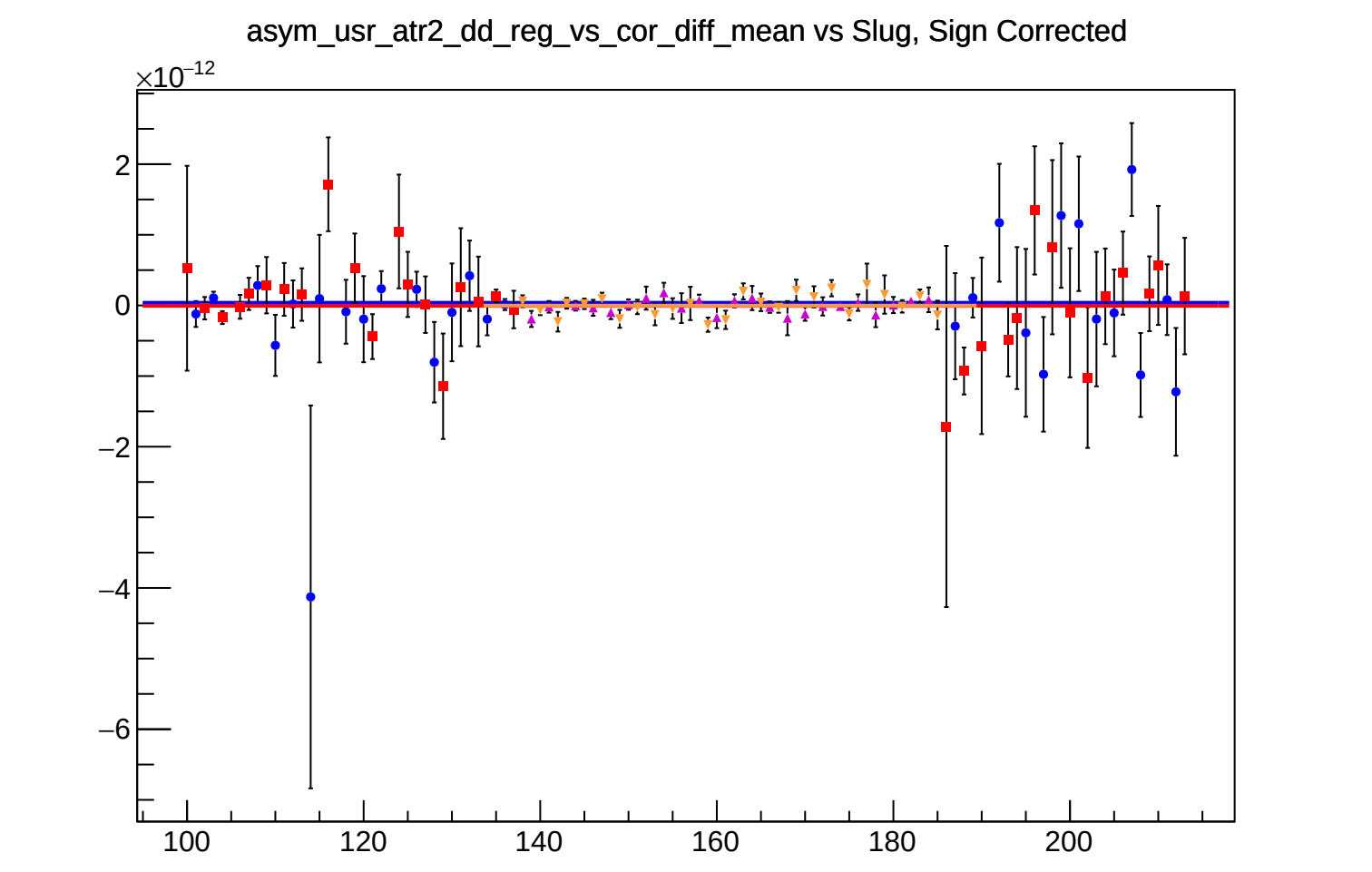
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 4043.651+/-0.506 χ^2/NDF: 7860774.1/61

In: 3991.927+/-0.488 χ^2/NDF:4388939.1/51

Out: 3897.219+/-0.468 χ^2/NDF:5763586.3/57

All: 3942.496+/-0.338 χ^2/NDF: 10172143.2/



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/28

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

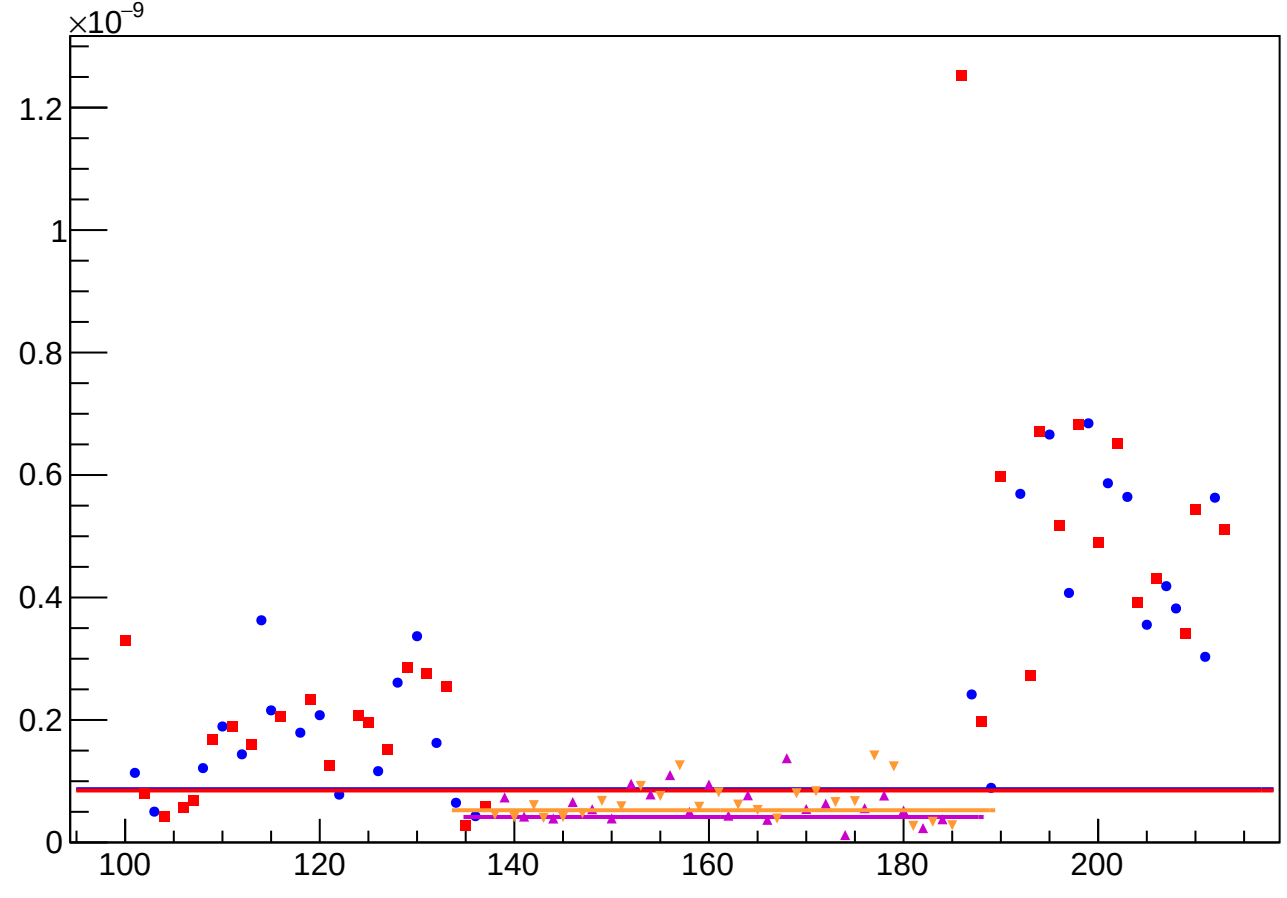
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 68.4/61

In: -0.000+/-0.000 χ^2/NDF:45.3/51

Out: -0.000+/-0.000 χ^2/NDF:70.5/57

All: -0.000+/-0.000 χ^2/NDF: 115.8/109



Right In: 0.000+/-0.000 χ^2/NDF: 7573648.5/28

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

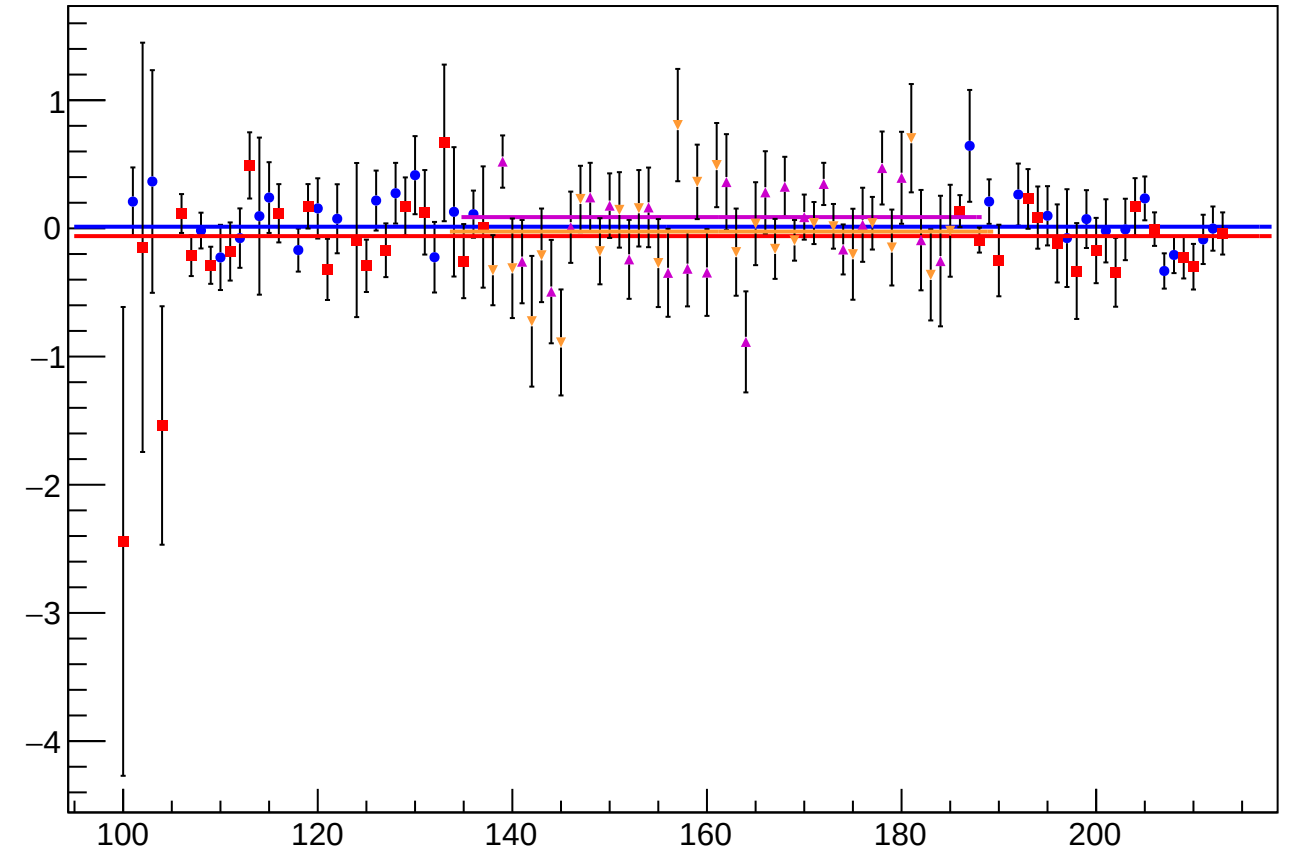
Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

Right: 0.000+/-0.000 χ^2/NDF: 16787806.2/61

In: 0.000+/-0.000 χ^2/NDF:12099294.4/51

Out: 0.000+/-0.000 χ^2/NDF:11583788.3/57

All: 0.000+/-0.000 χ^2/NDF: 23953568.1/109



Right In: 0.013+/-0.040 χ^2/NDF: 24.3/28

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

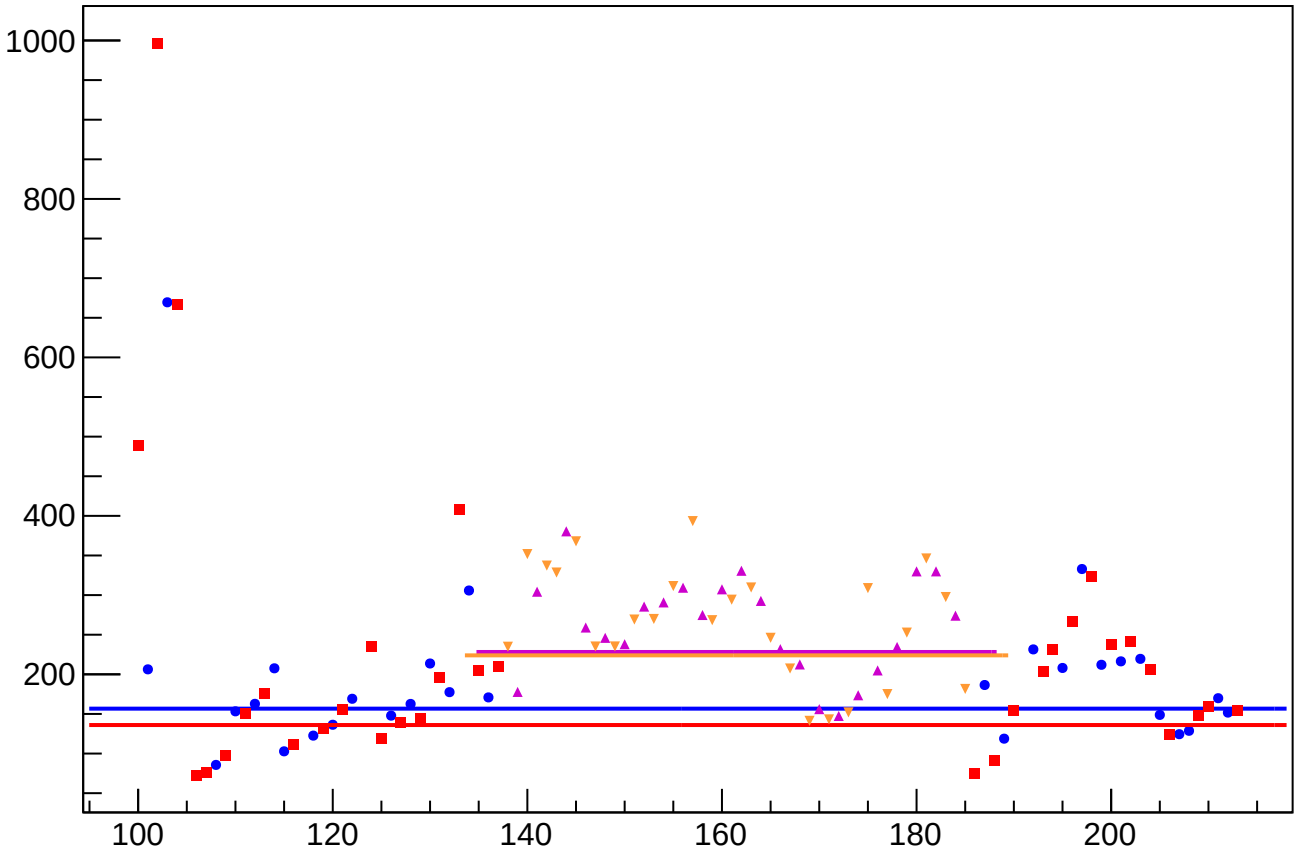
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.028+/-0.027 χ^2/NDF: 59.2/61

In: 0.038+/-0.033 χ^2/NDF:55.4/51

Out: -0.050+/-0.030 χ^2/NDF:57.4/57

All: -0.010+/-0.022 χ^2/NDF: 116.8/109



Right In: 156.681+/-0.029 χ^2/NDF: 3149441.5/28

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

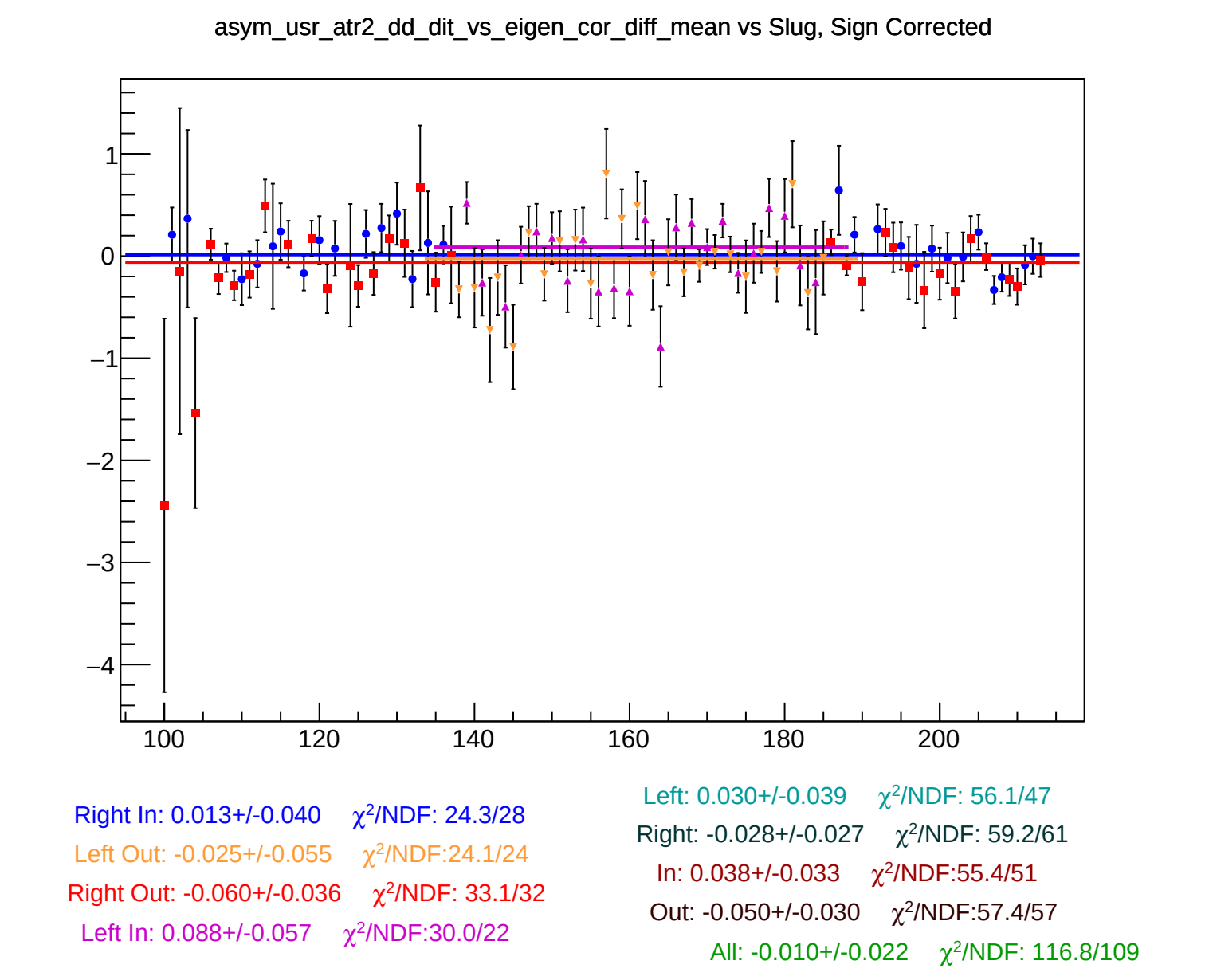
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 145.054+/-0.019 χ^2/NDF: 9502047.9/61

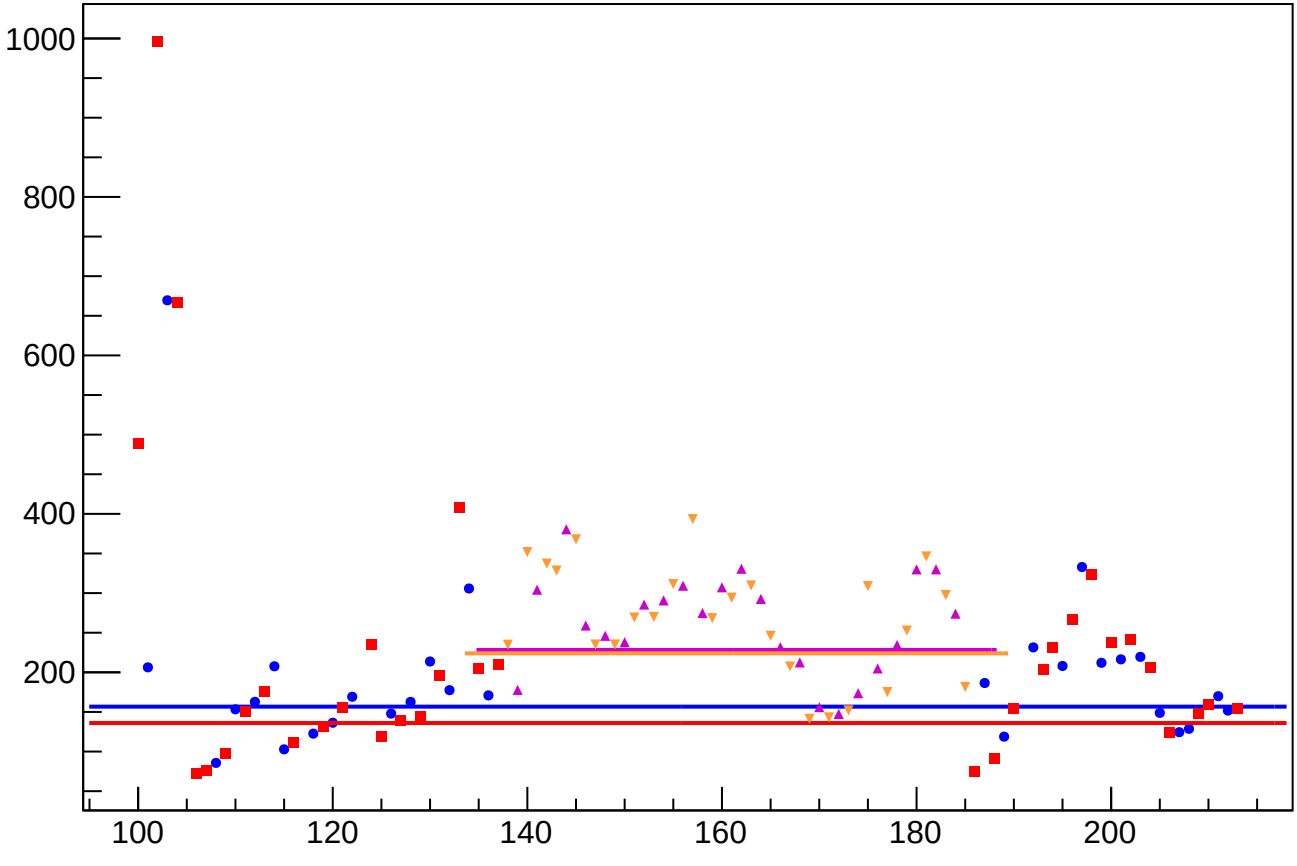
In: 180.864+/-0.023 χ^2/NDF:7747533.7/51

Out: 162.372+/-0.021 χ^2/NDF:13130611.7/57

All: 170.723+/-0.016 χ^2/NDF: 21223663.6/10


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.013+/-0.040 χ²/NDF: 24.3/28
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.060+/-0.036 χ²/NDF: 33.1/32
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: -0.028+/-0.027 χ²/NDF: 59.2/61
In: 0.038+/-0.033 χ²/NDF:55.4/51
Out: -0.050+/-0.030 χ²/NDF:57.4/57
All: -0.010+/-0.022 χ²/NDF: 116.8/109

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.681+/-0.029 χ^2/NDF: 3149441.5/28

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

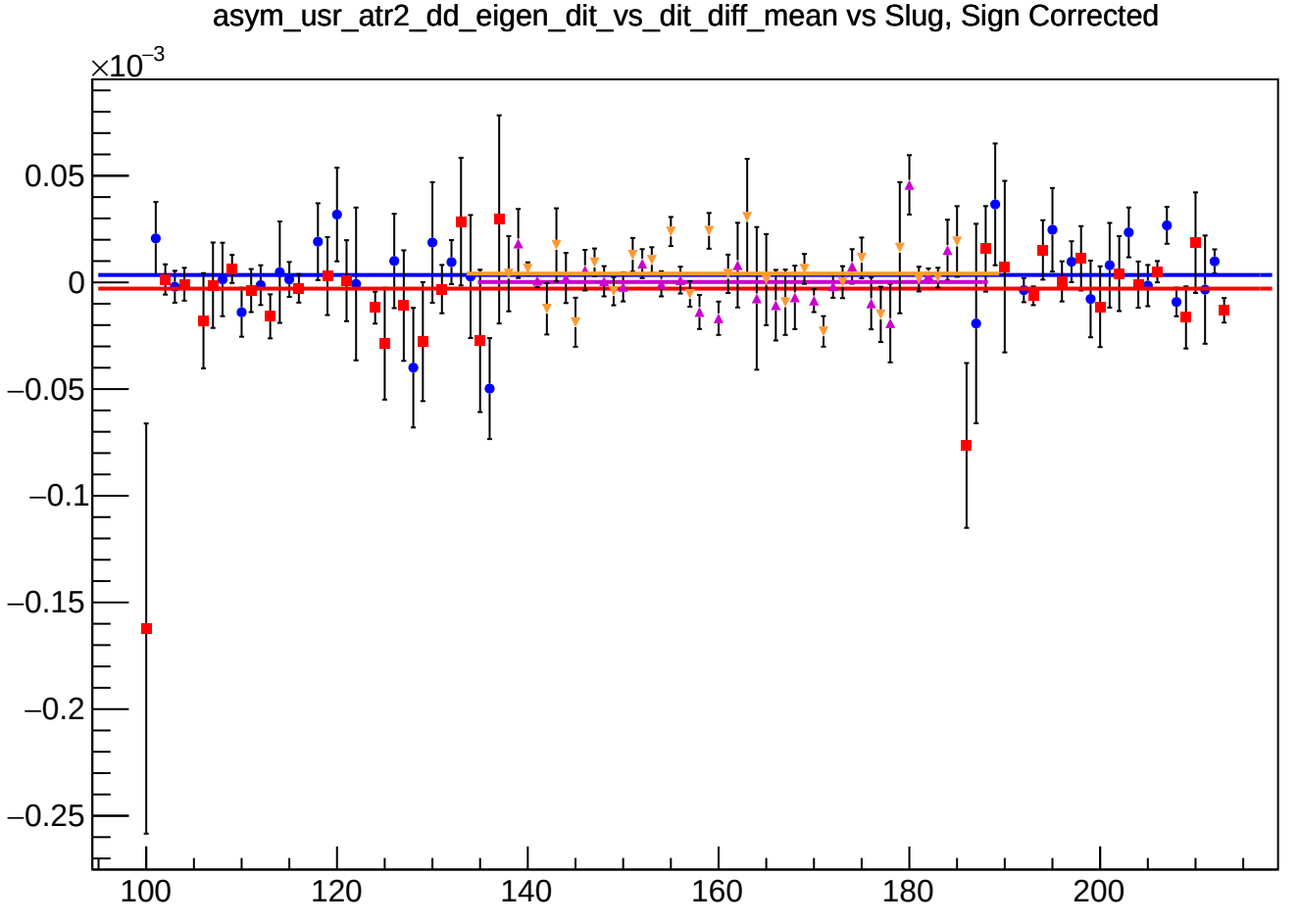
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 145.054+/-0.019 χ^2/NDF: 9502047.9/61

In: 180.864+/-0.023 χ^2/NDF:7747533.7/51

Out: 162.372+/-0.021 χ^2/NDF:13130611.7/57

All: 170.723+/-0.016 χ^2/NDF: 21223663.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 35.4/28

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

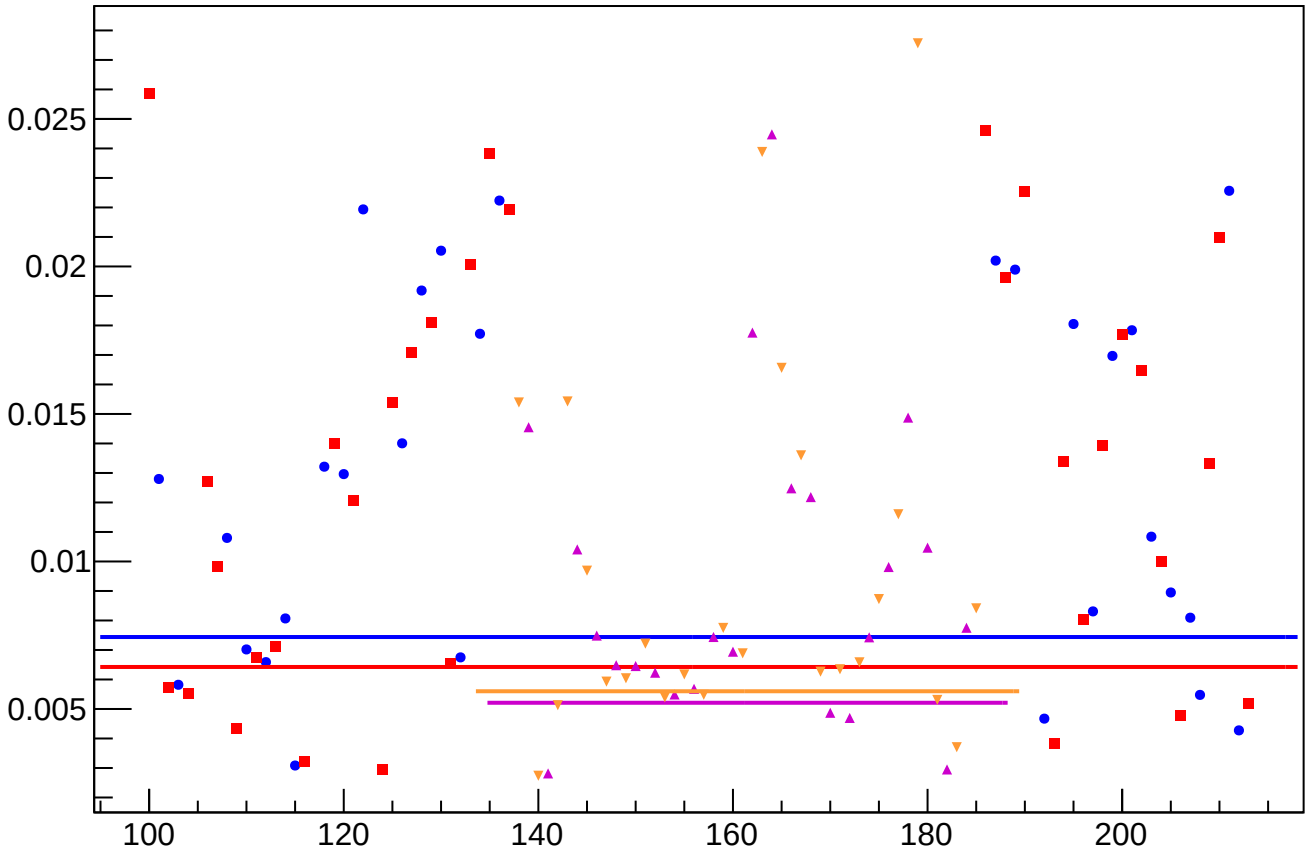
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 68.9/61

In: 0.000+/-0.000 χ^2/NDF:67.1/51

Out: 0.000+/-0.000 χ^2/NDF:86.4/57

All: 0.000+/-0.000 χ^2/NDF: 153.5/109



Right In: 0.007+/-0.000 χ^2/NDF: 8077829.0/28

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

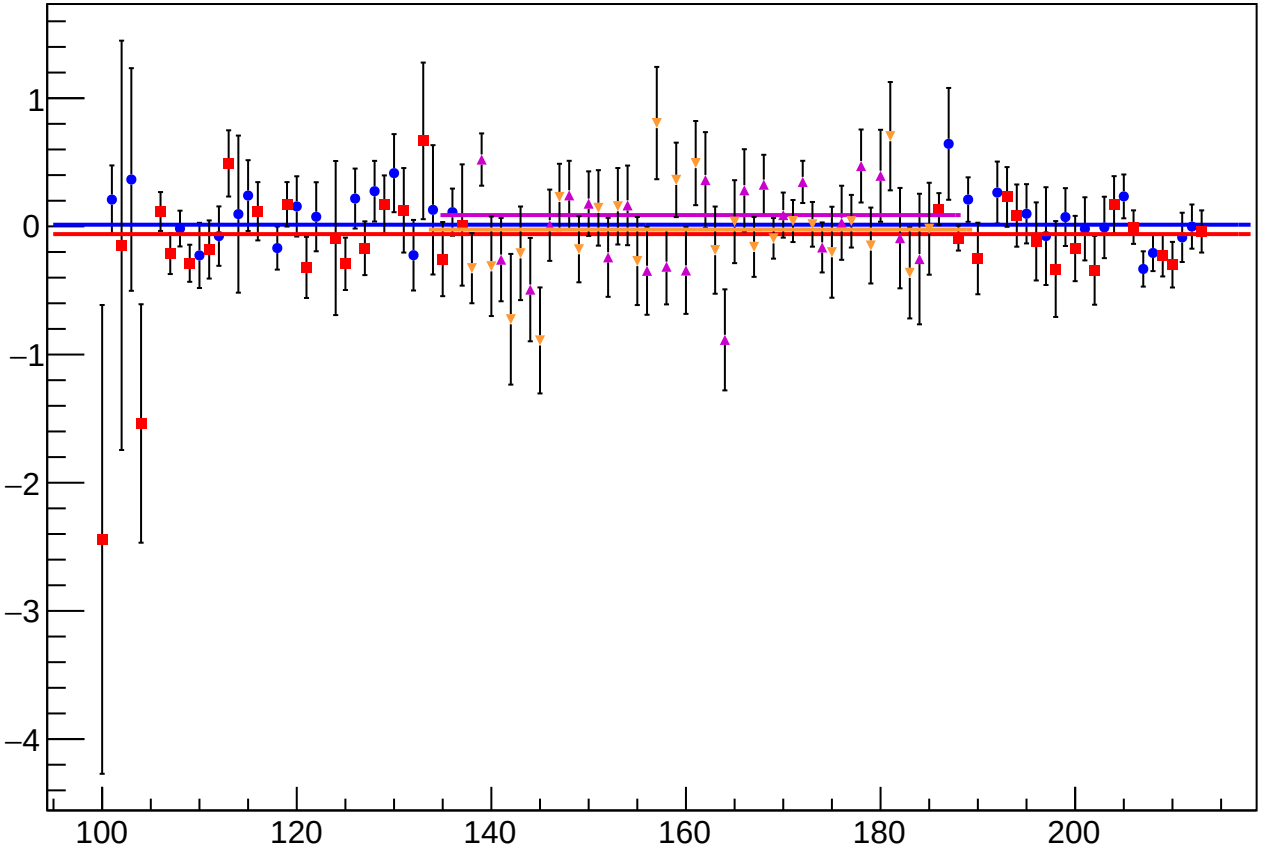
Right: 0.007+/-0.000 χ^2/NDF: 18882659.8/61

In: 0.006+/-0.000 χ^2/NDF:17052660.2/51

Out: 0.006+/-0.000 χ^2/NDF:18559443.0/57

All: 0.006+/-0.000 χ^2/NDF: 35612530.4/109

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.040 χ^2/NDF: 24.3/28

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

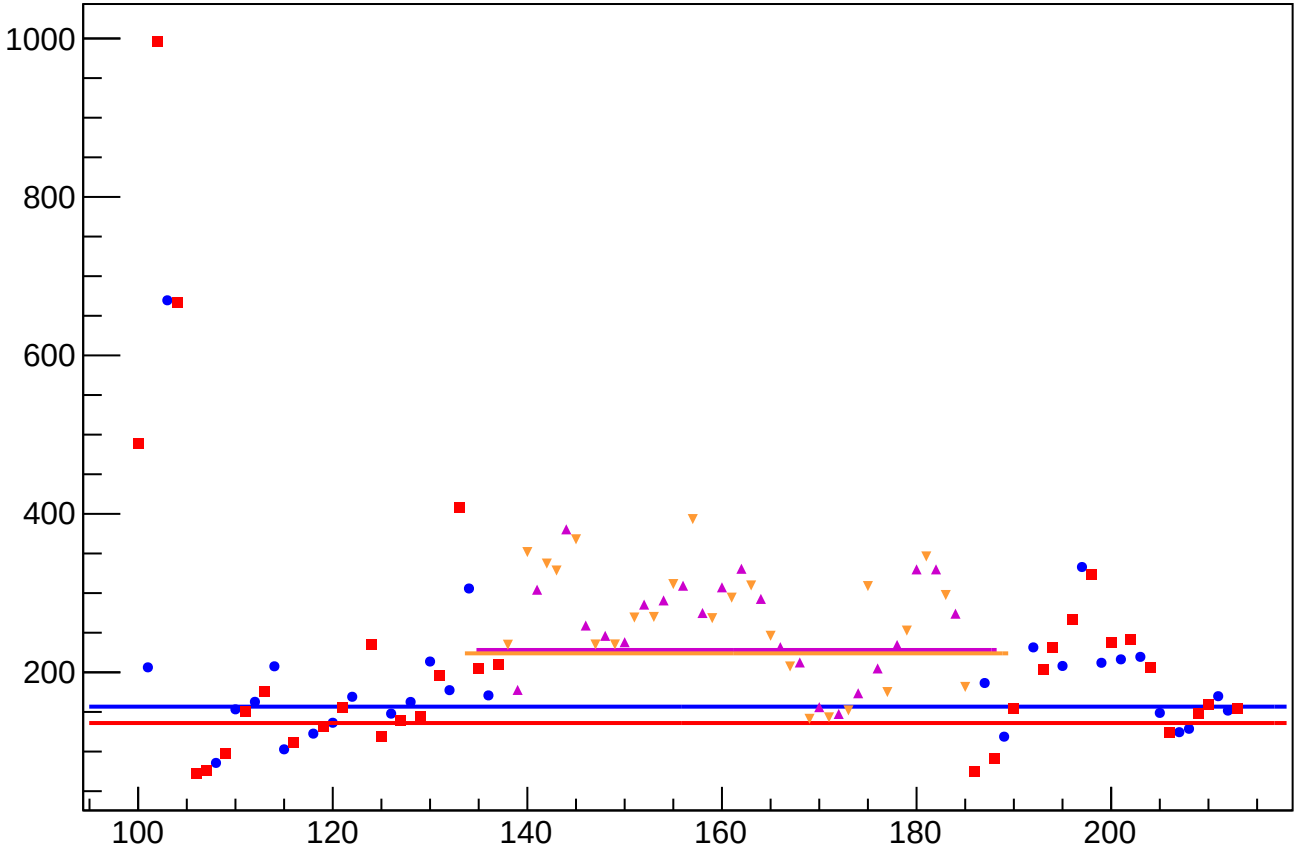
Right: -0.028+/-0.027 χ^2/NDF: 59.2/61

In: 0.038+/-0.033 χ^2/NDF:55.4/51

Out: -0.050+/-0.030 χ^2/NDF:57.4/57

All: -0.010+/-0.022 χ^2/NDF: 116.8/109

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.679+/-0.029 χ^2/NDF: 3149612.3/28

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

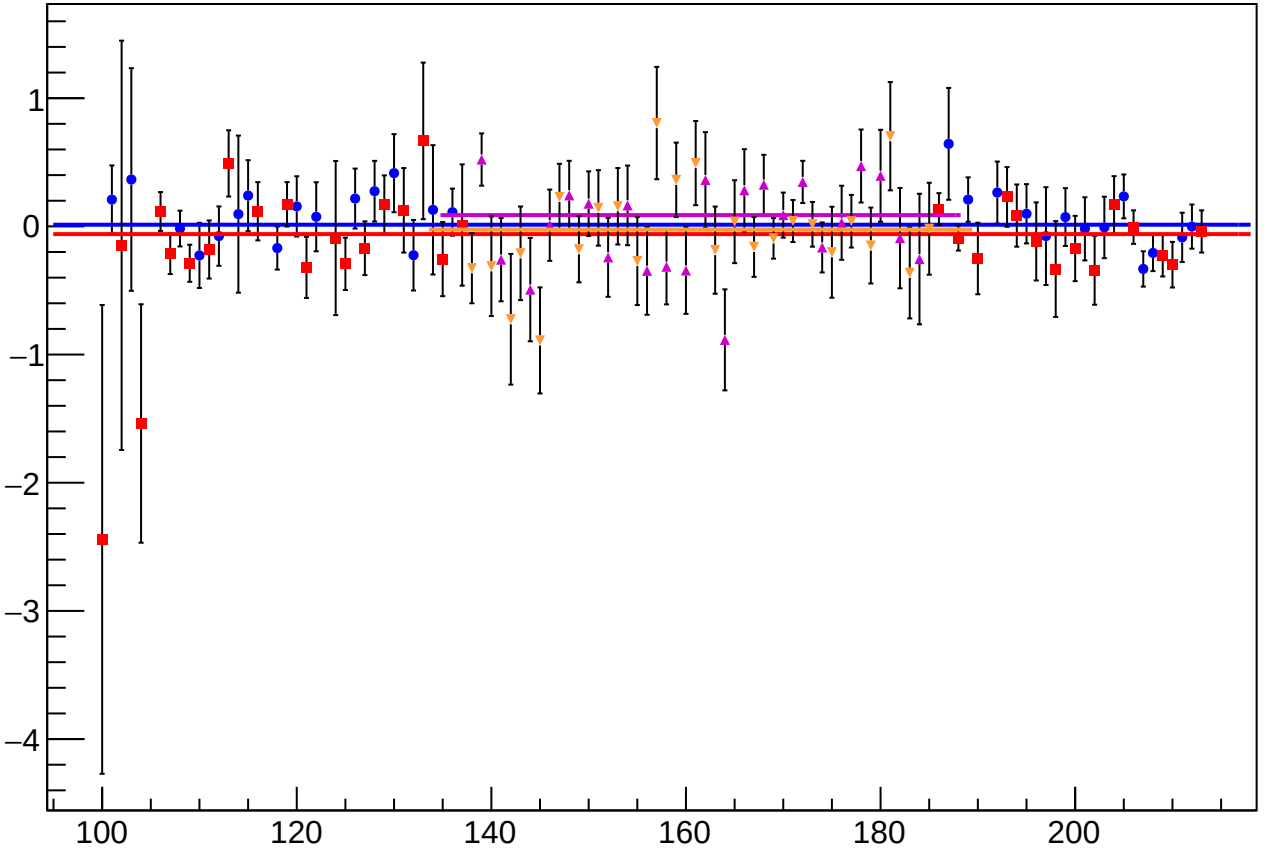
Right: 145.055+/-0.019 χ^2/NDF: 9501510.7/61

In: 180.863+/-0.023 χ^2/NDF:7747957.4/51

Out: 162.375+/-0.021 χ^2/NDF:13129905.7/57

All: 170.725+/-0.016 χ^2/NDF: 21223205.0/10

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.040 χ^2/NDF: 24.3/28

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

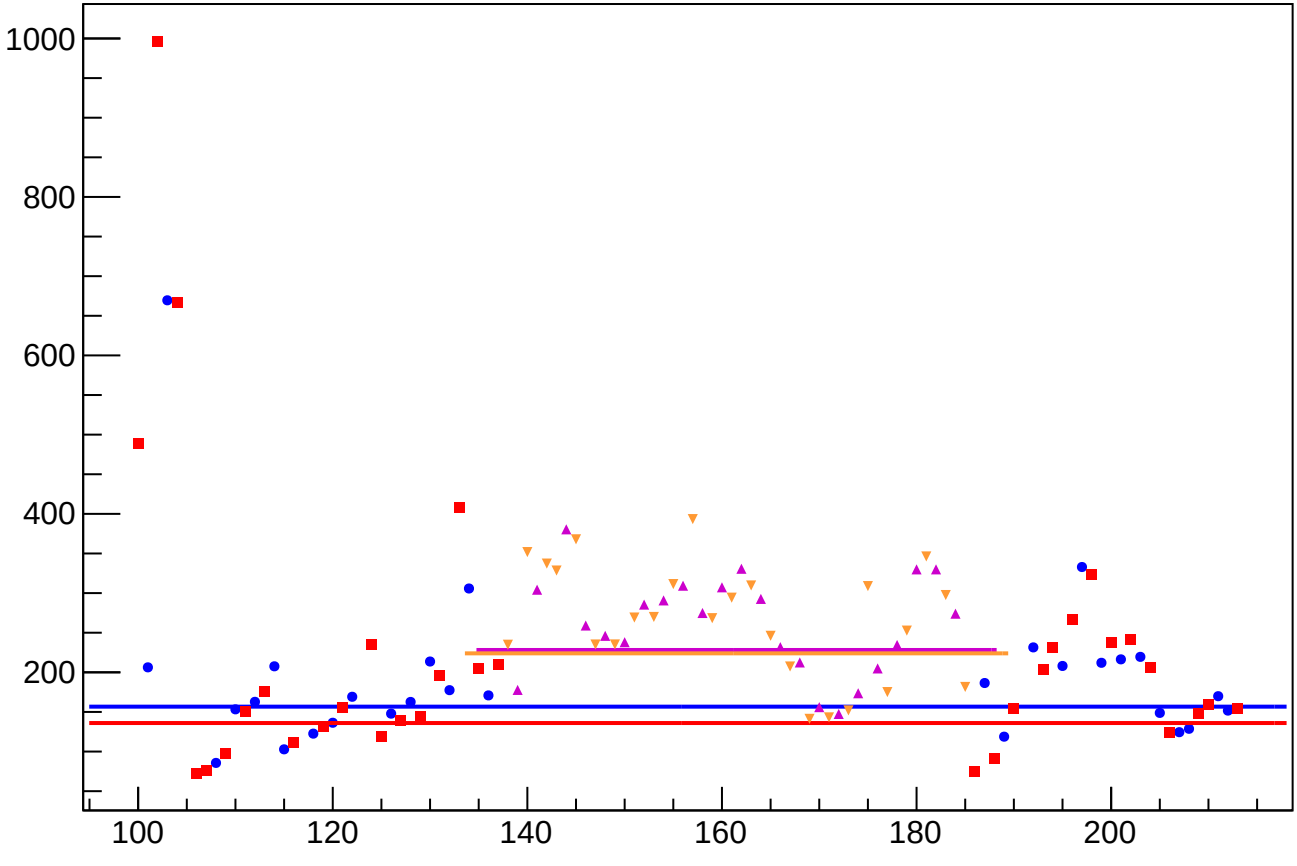
Right: -0.028+/-0.027 χ^2/NDF: 59.2/61

In: 0.038+/-0.033 χ^2/NDF:55.4/51

Out: -0.050+/-0.030 χ^2/NDF:57.4/57

All: -0.010+/-0.022 χ^2/NDF: 116.8/109

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.679+/-0.029 χ^2/NDF: 3149612.3/28

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

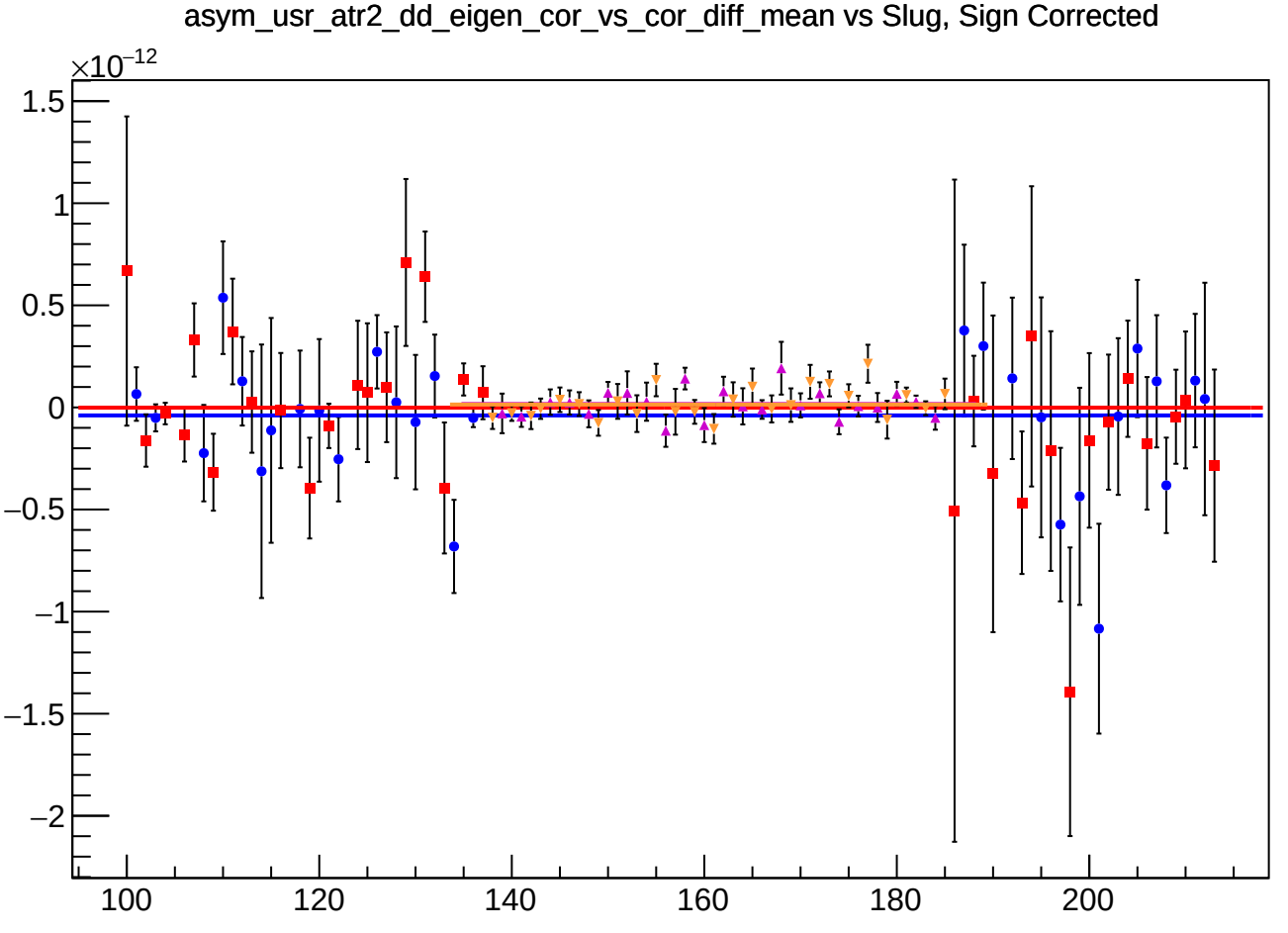
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 145.055+/-0.019 χ^2/NDF: 9501510.7/61

In: 180.863+/-0.023 χ^2/NDF:7747957.4/51

Out: 162.375+/-0.021 χ^2/NDF:13129905.7/57

All: 170.725+/-0.016 χ^2/NDF: 21223205.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 32.2/28

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

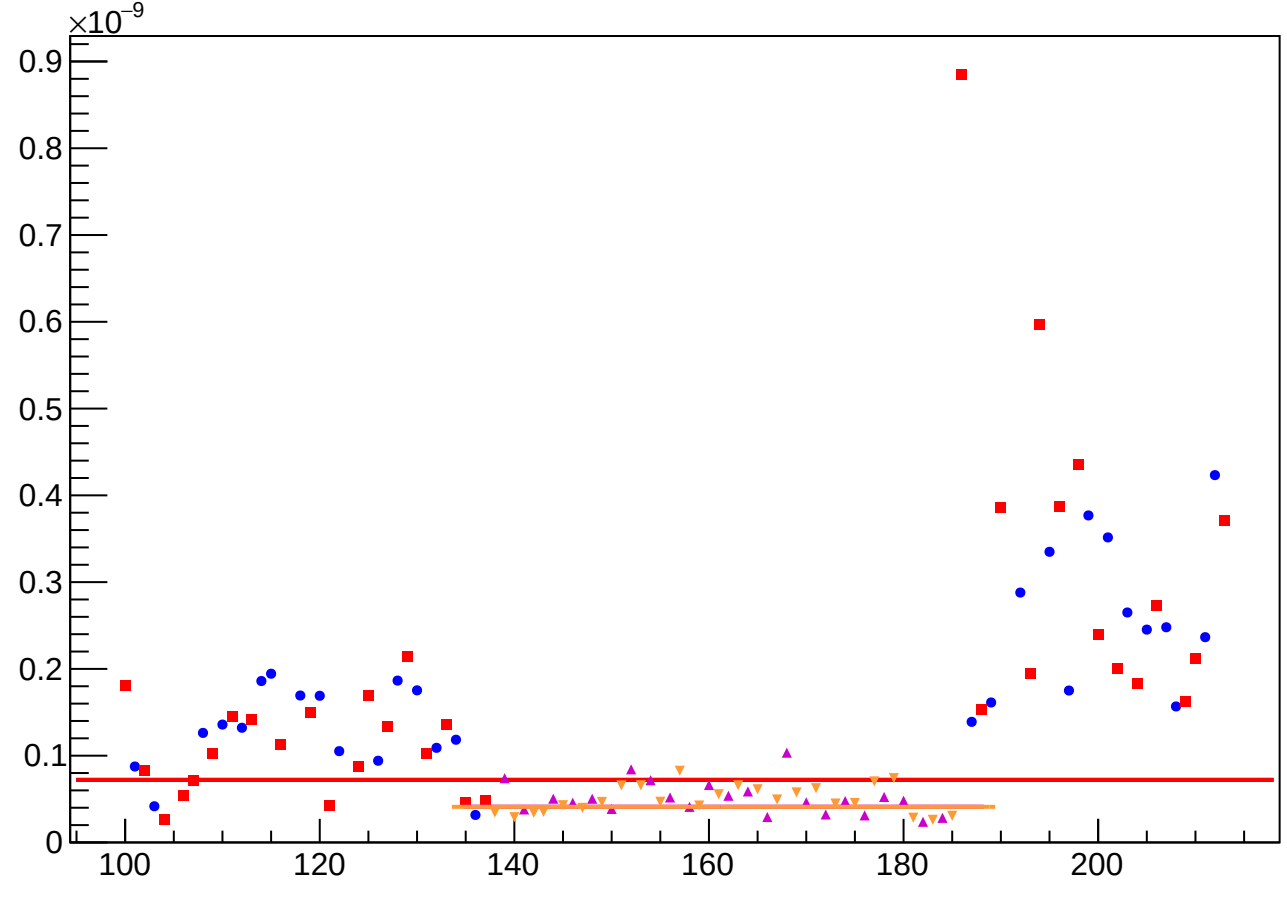
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 72.3/61

In: 0.000+/-0.000 χ^2/NDF:56.8/51

Out: 0.000+/-0.000 χ^2/NDF:64.9/57

All: 0.000+/-0.000 χ^2/NDF: 121.7/109



Right In: 0.000+/-0.000 χ^2/NDF: 9342287.6/28

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

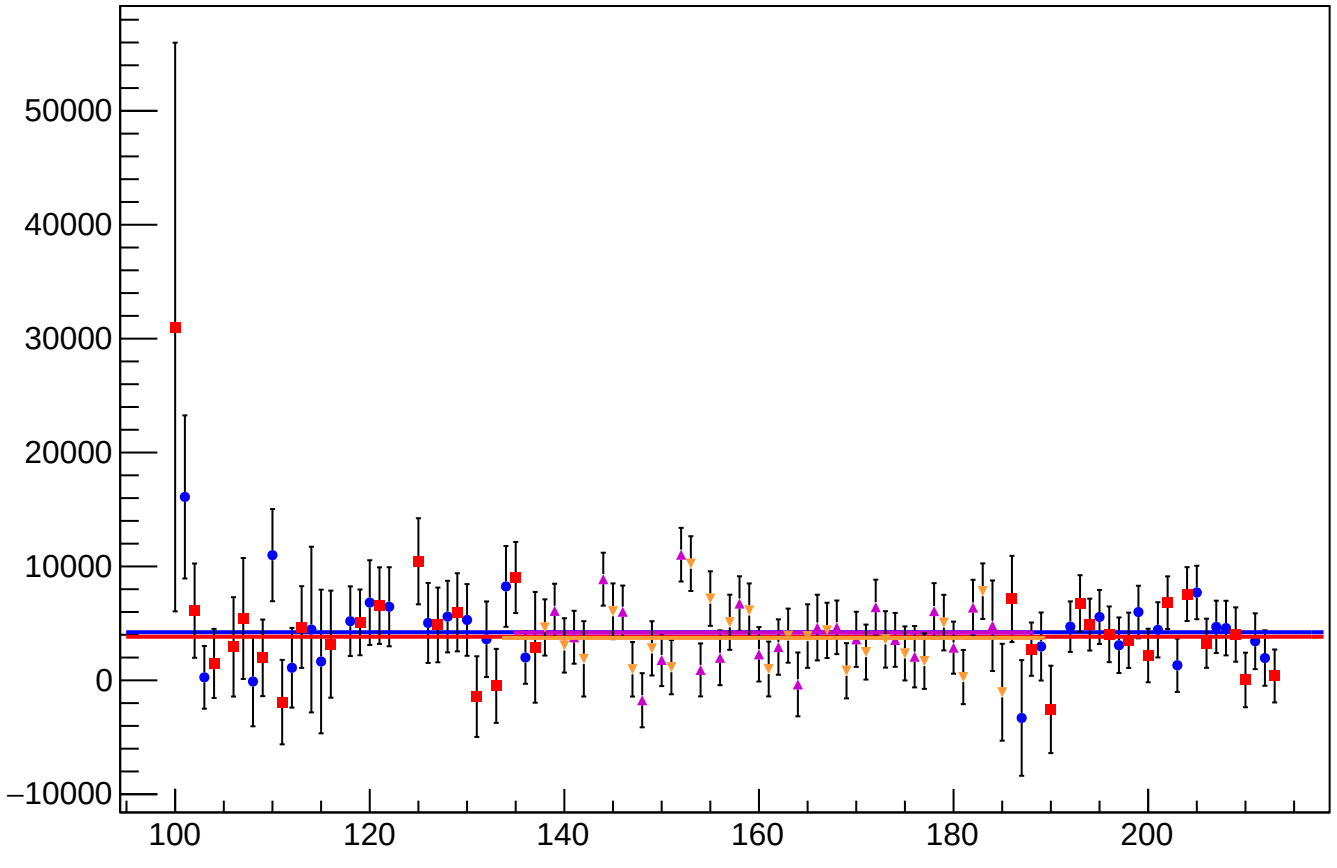
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 19202063.1/61

In: 0.000+/-0.000 χ^2/NDF:13945399.1/51

Out: 0.000+/-0.000 χ^2/NDF:14304840.5/57

All: 0.000+/-0.000 χ^2/NDF: 28250761.4/109



Right In: 4223.100+/-540.251 χ^2/NDF: 21.7/28

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

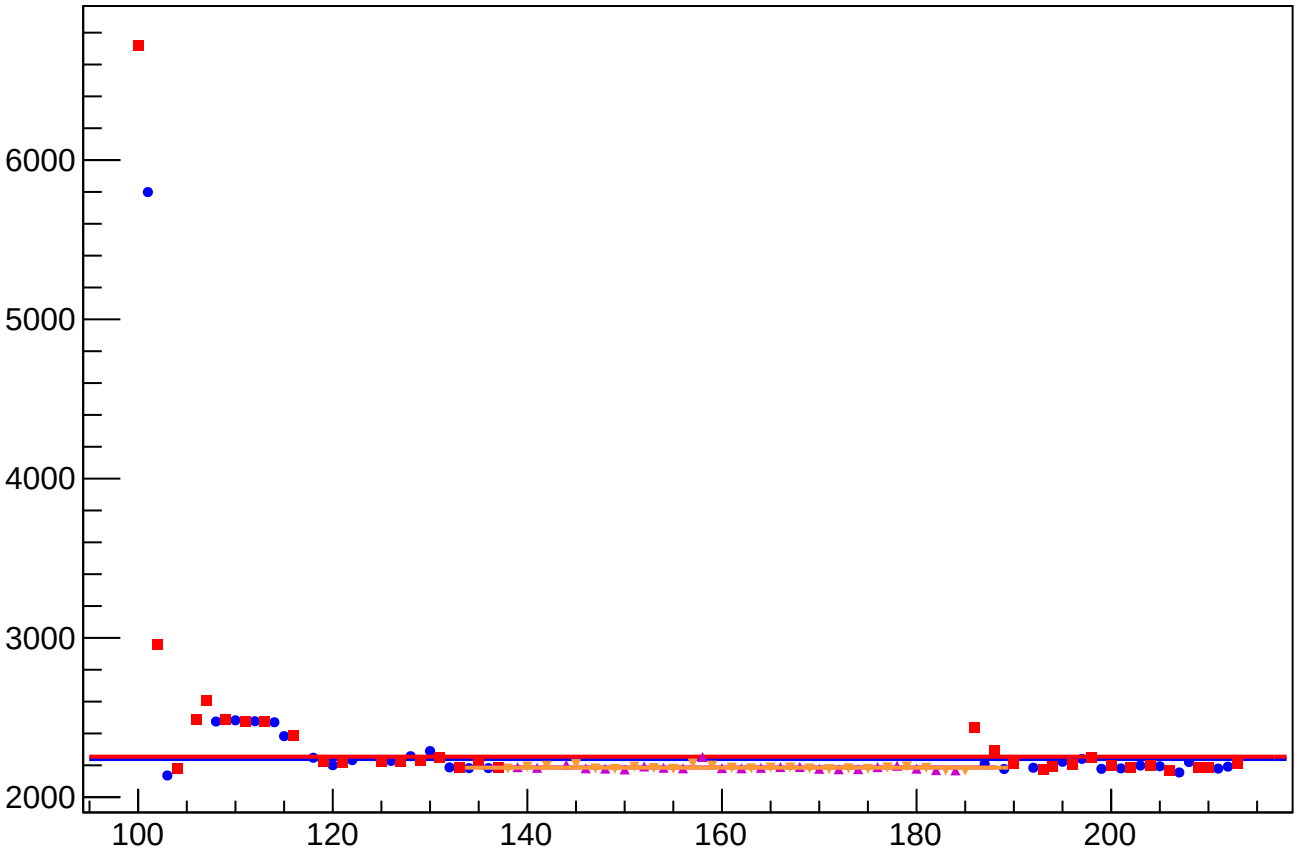
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4019.249+/-376.549 χ^2/NDF: 53.0/60

In: 4208.755+/-371.080 χ^2/NDF:53.8/51

Out: 3773.280+/-364.796 χ^2/NDF:56.5/55

All: 3987.299+/-260.143 χ^2/NDF: 111.0/107



Right In: 2239.328+/-0.382 χ^2/NDF: 537703.7/28

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

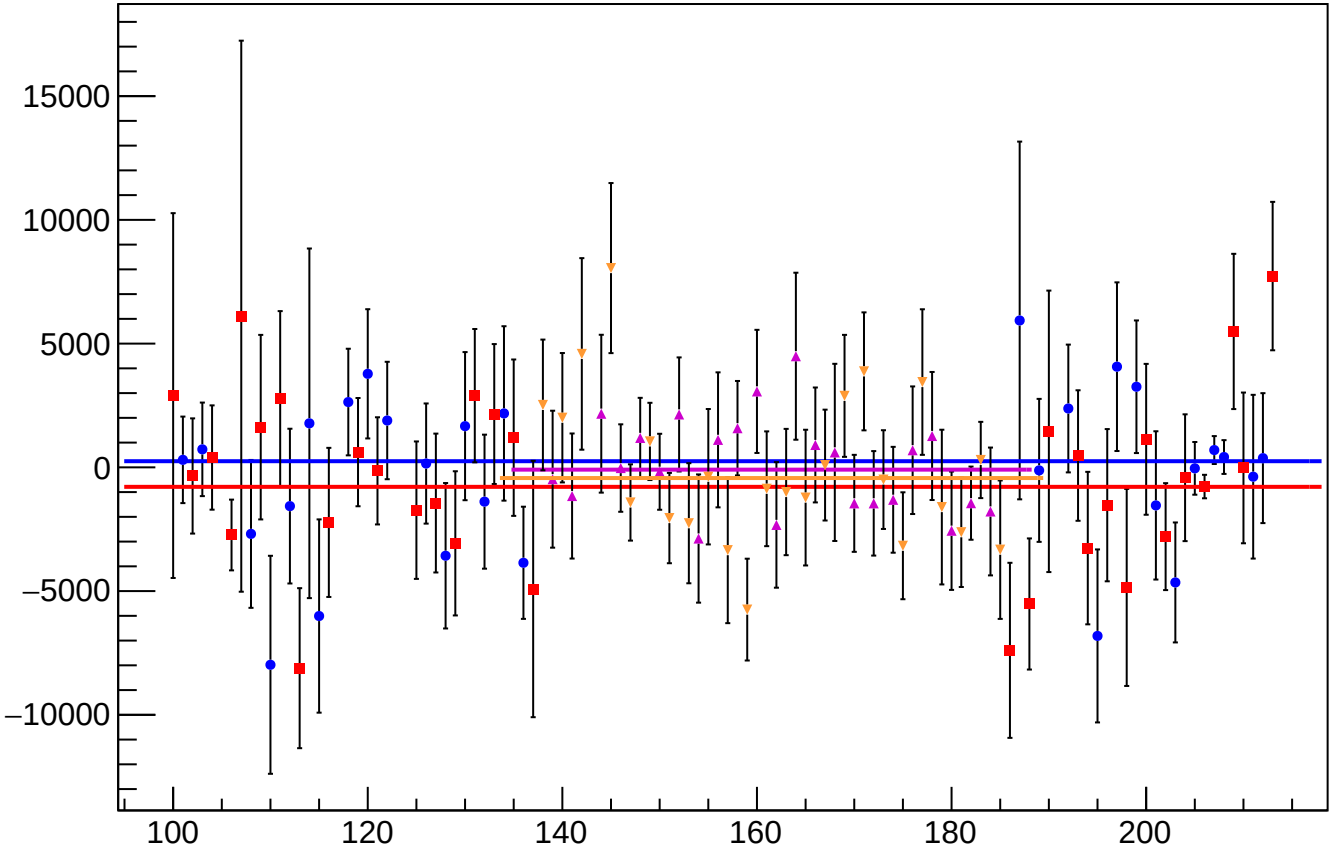
Right: 2247.010+/-0.266 χ^2/NDF: 725527.7/60

In: 2211.553+/-0.262 χ^2/NDF:549775.4/51

Out: 2218.498+/-0.258 χ^2/NDF:205789.3/55

All: 2215.085+/-0.184 χ^2/NDF: 755920.9/107

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 248.257+/-322.785 χ^2/NDF: 30.0/28

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

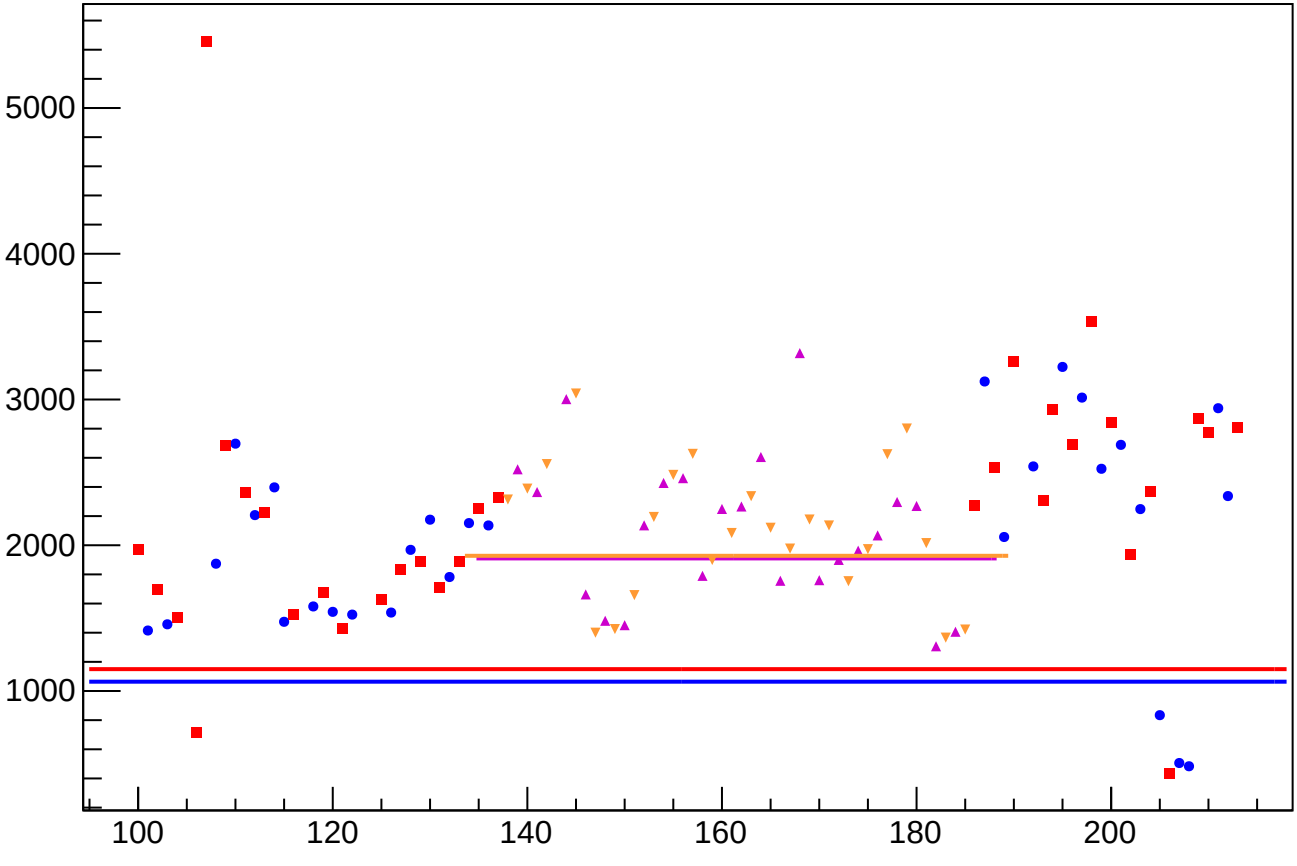
Right: -234.986+/-235.772 χ^2/NDF: 72.0/60

In: 136.000+/-264.350 χ^2/NDF:43.2/51

Out: -660.496+/-276.618 χ^2/NDF:68.8/55

All: -244.194+/-191.114 χ^2/NDF: 116.3/107

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1063.898+/-0.228 χ^2/NDF: 11272427.8/28

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1150.018+/-0.244 χ^2/NDF: 13527430.9/31

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

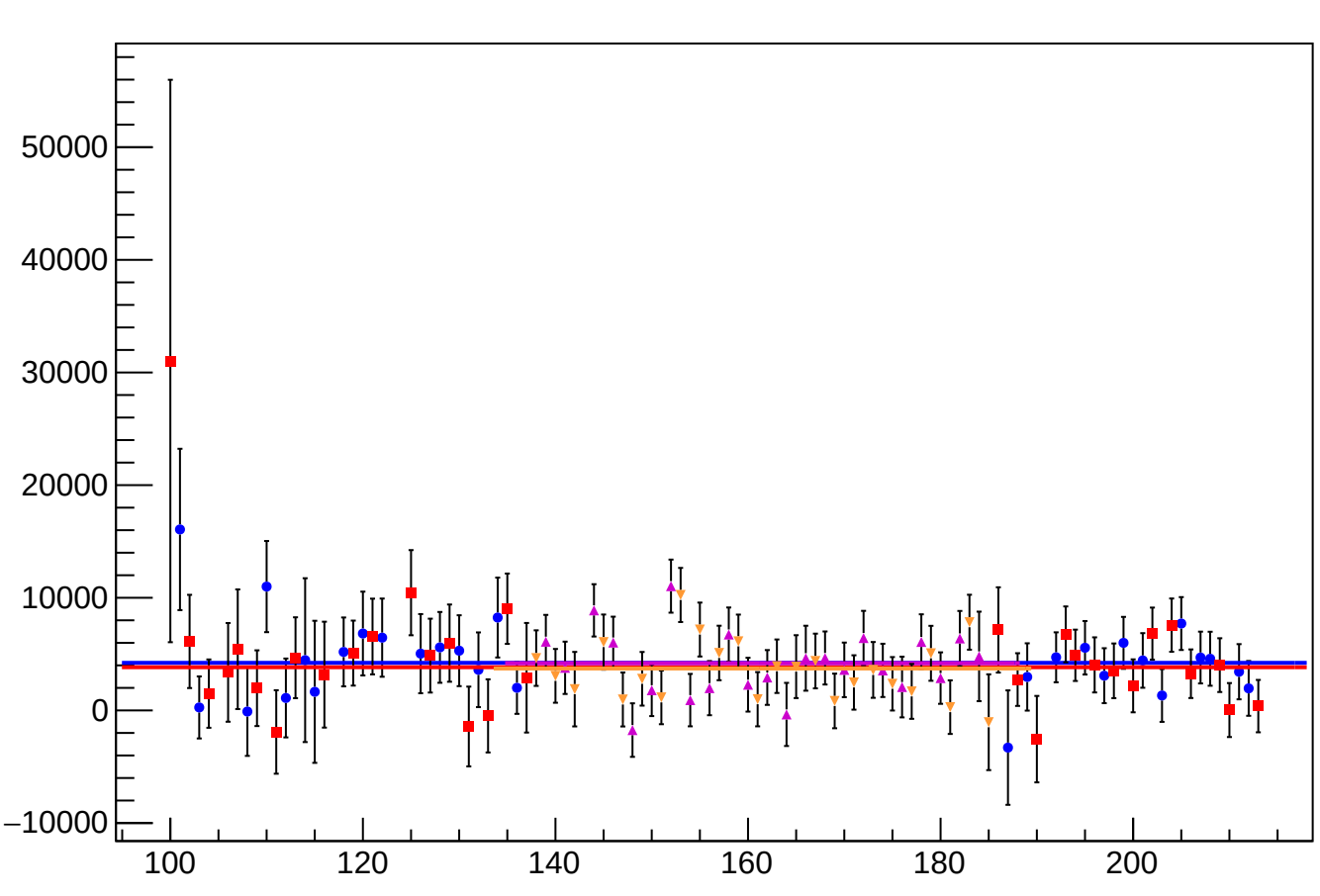
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1104.071+/-0.167 χ^2/NDF: 24866269.9/60

In: 1342.385+/-0.187 χ^2/NDF:17735676.7/51

Out: 1428.334+/-0.196 χ^2/NDF:18958181.9/55

All: 1383.411+/-0.135 χ^2/NDF: 36794777.6/1



Right In: 4222.876+/-540.251 χ^2/NDF: 21.7/28

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

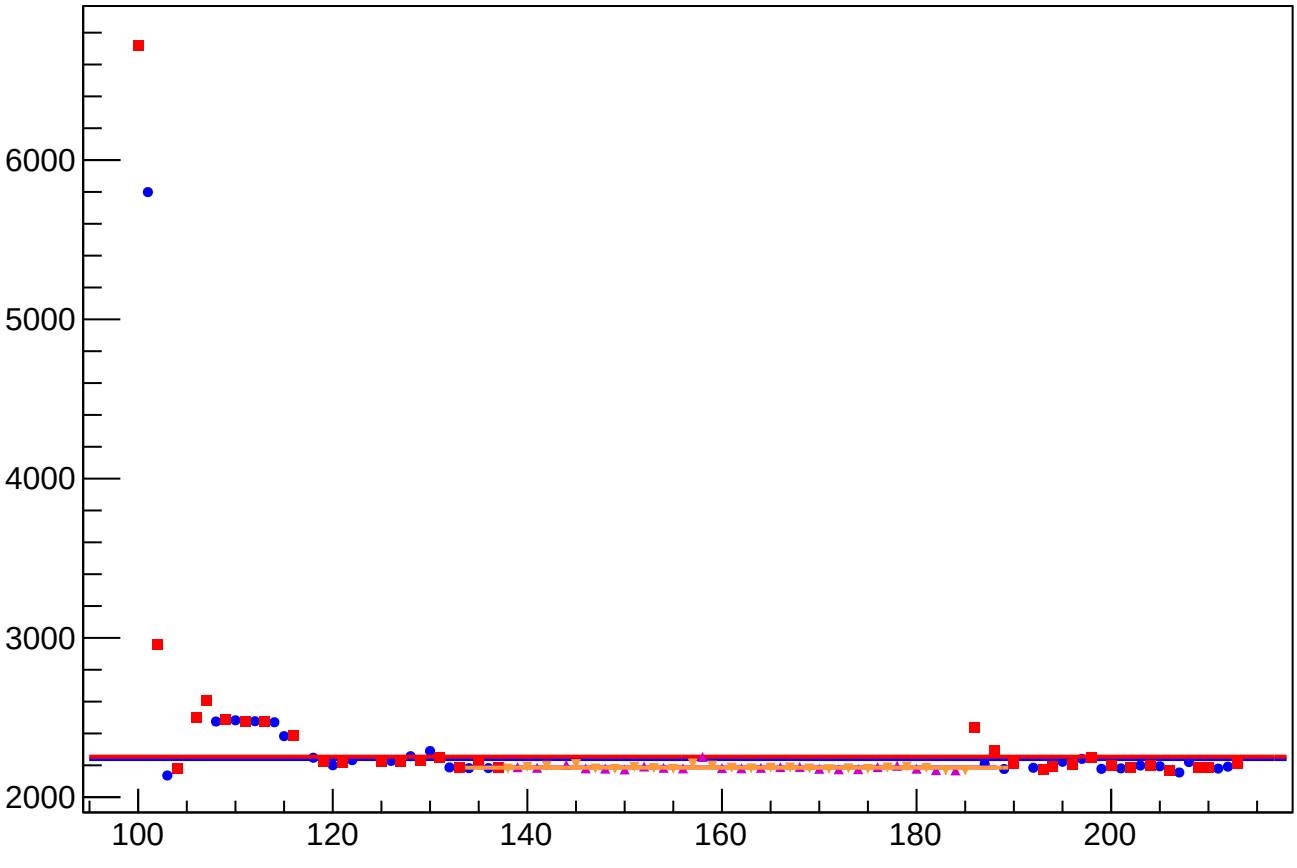
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4022.535+/-376.561 χ^2/NDF: 53.0/60

In: 4208.712+/-371.080 χ^2/NDF:53.8/51

Out: 3776.423+/-364.807 χ^2/NDF:56.5/55

All: 3988.883+/-260.147 χ^2/NDF: 111.0/107



Right In: 2239.328+/-0.382 χ^2/NDF: 537704.1/28

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

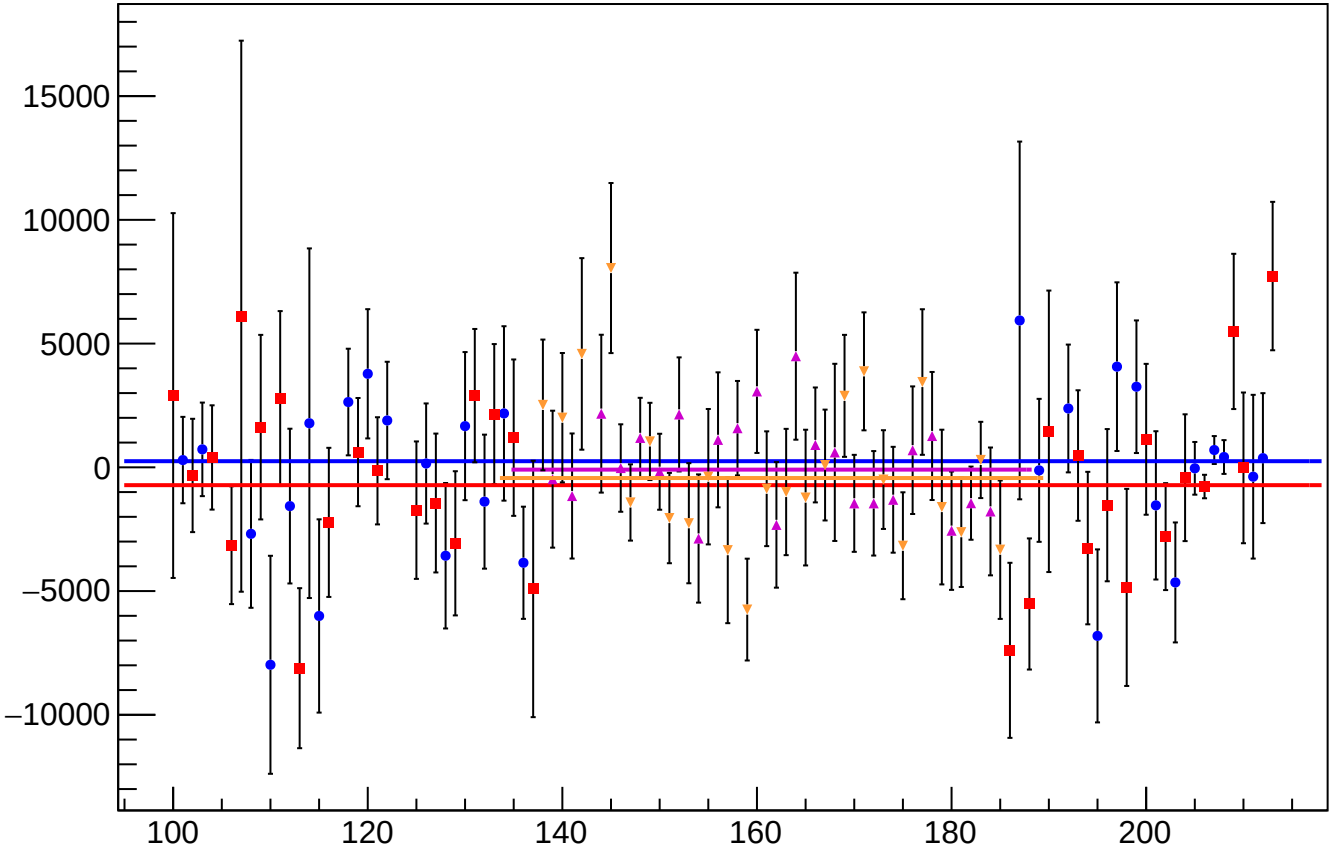
Right: 2247.074+/-0.266 χ^2/NDF: 726030.0/60

In: 2211.553+/-0.262 χ^2/NDF:549775.8/51

Out: 2218.556+/-0.258 χ^2/NDF:206341.7/55

All: 2215.114+/-0.184 χ^2/NDF: 756479.6/107

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 248.078+/-322.764 χ^2/NDF: 30.0/28

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

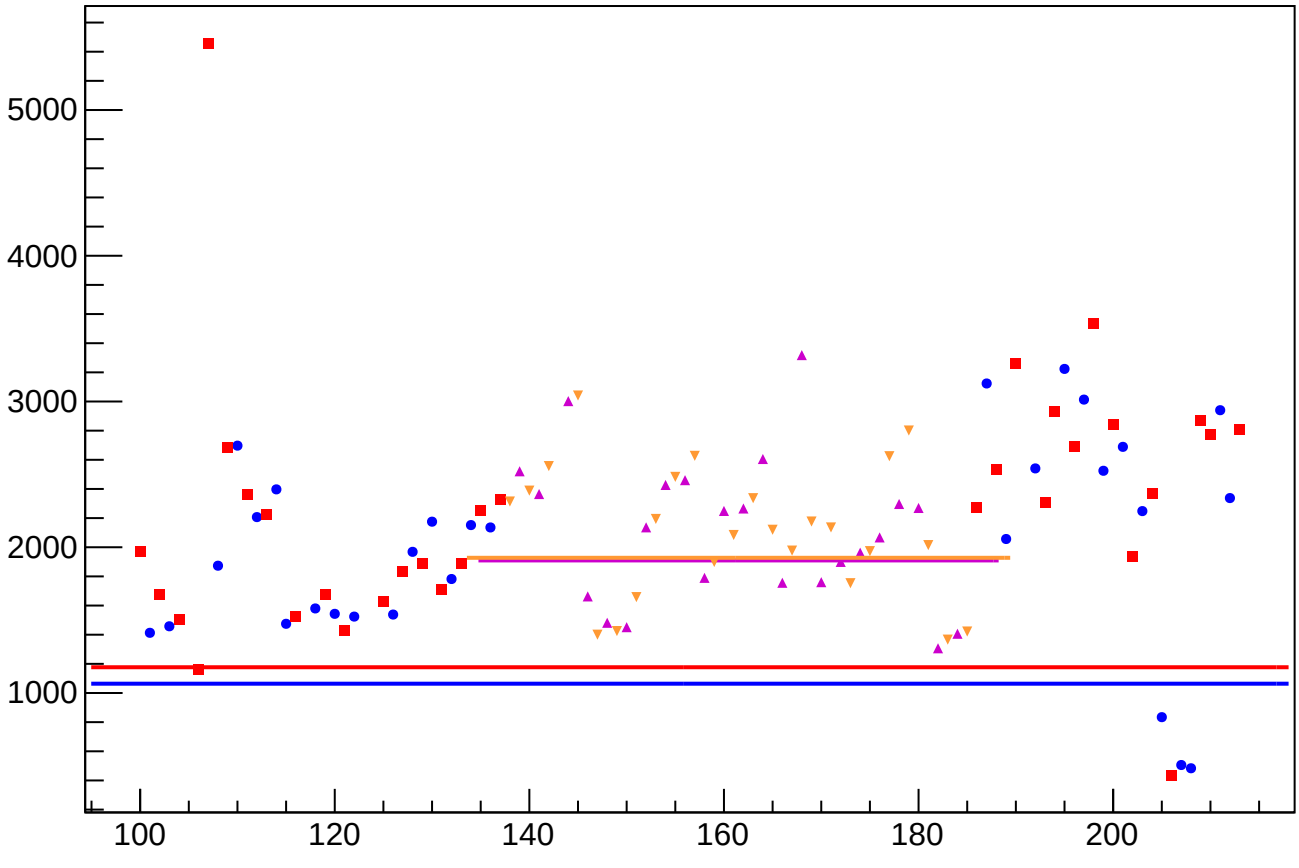
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -194.695+/-237.799 χ^2/NDF: 70.4/60

In: 135.904+/-264.339 χ^2/NDF:43.2/51

Out: -614.817+/-279.922 χ^2/NDF:67.8/55

All: -217.979+/-192.189 χ^2/NDF: 114.7/107



Right In: 1063.838+/-0.228 χ^2/NDF: 11272249.4/28

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1176.694+/-0.249 χ^2/NDF: 13326878.5/31

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

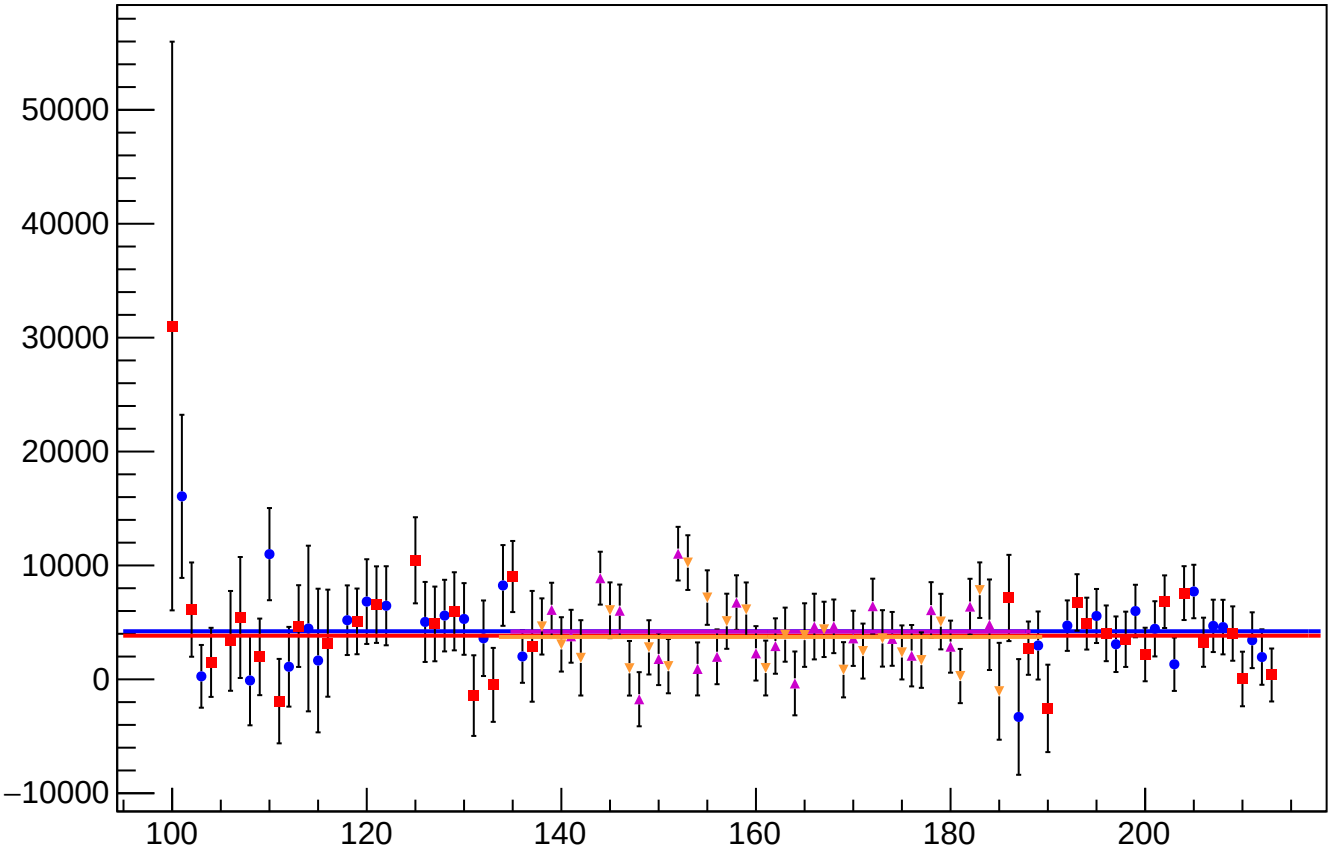
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1115.434+/-0.168 χ^2/NDF: 24710918.8/60

In: 1342.321+/-0.187 χ^2/NDF:17736399.4/51

Out: 1451.921+/-0.198 χ^2/NDF:18467339.3/55

All: 1393.986+/-0.136 χ^2/NDF: 36365812.1/1



Right In: 4222.876+/-540.251 χ^2/NDF: 21.7/28

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

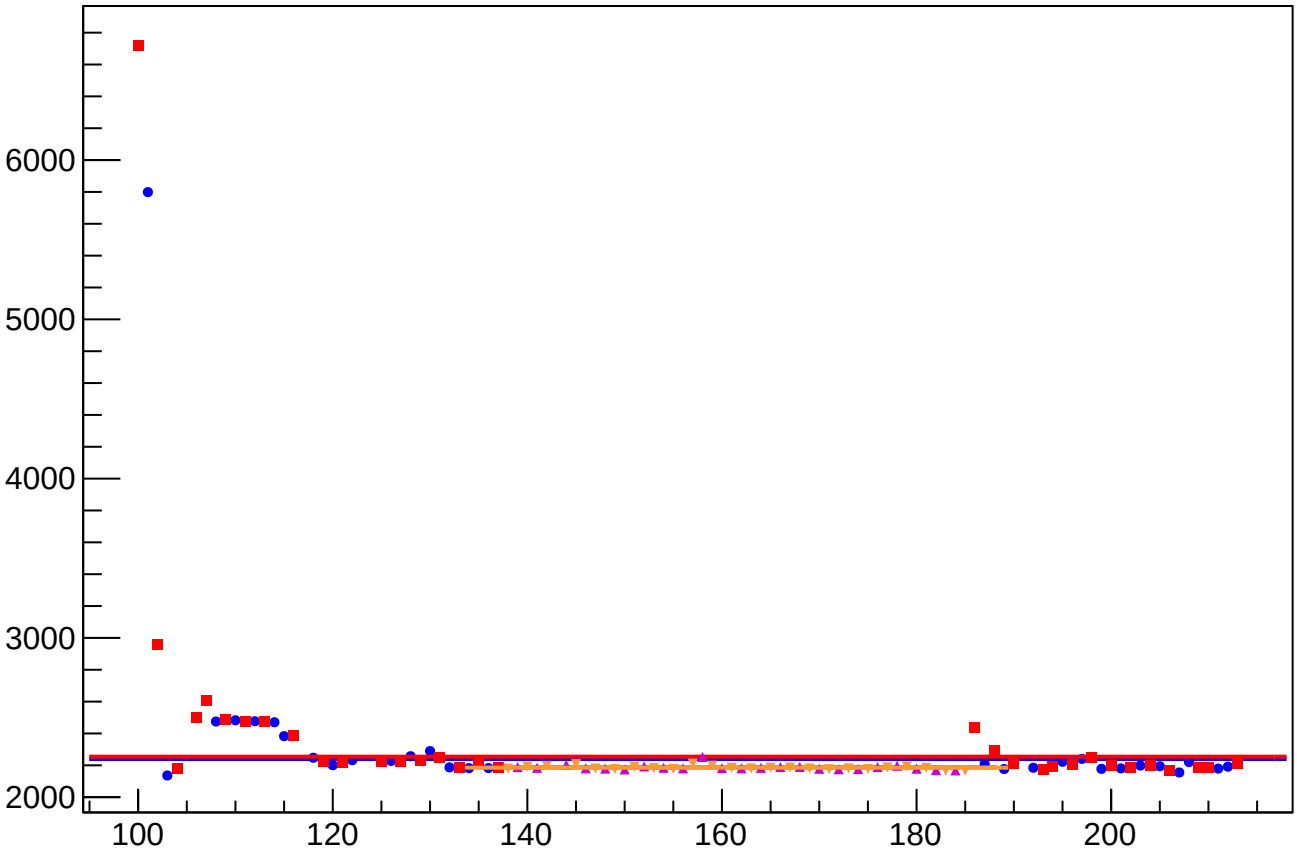
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4022.535+/-376.561 χ^2/NDF: 53.0/60

In: 4208.712+/-371.080 χ^2/NDF:53.8/51

Out: 3776.423+/-364.807 χ^2/NDF:56.5/55

All: 3988.883+/-260.147 χ^2/NDF: 111.0/107



Right In: 2239.328+/-0.382 χ^2/NDF: 537704.1/28

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

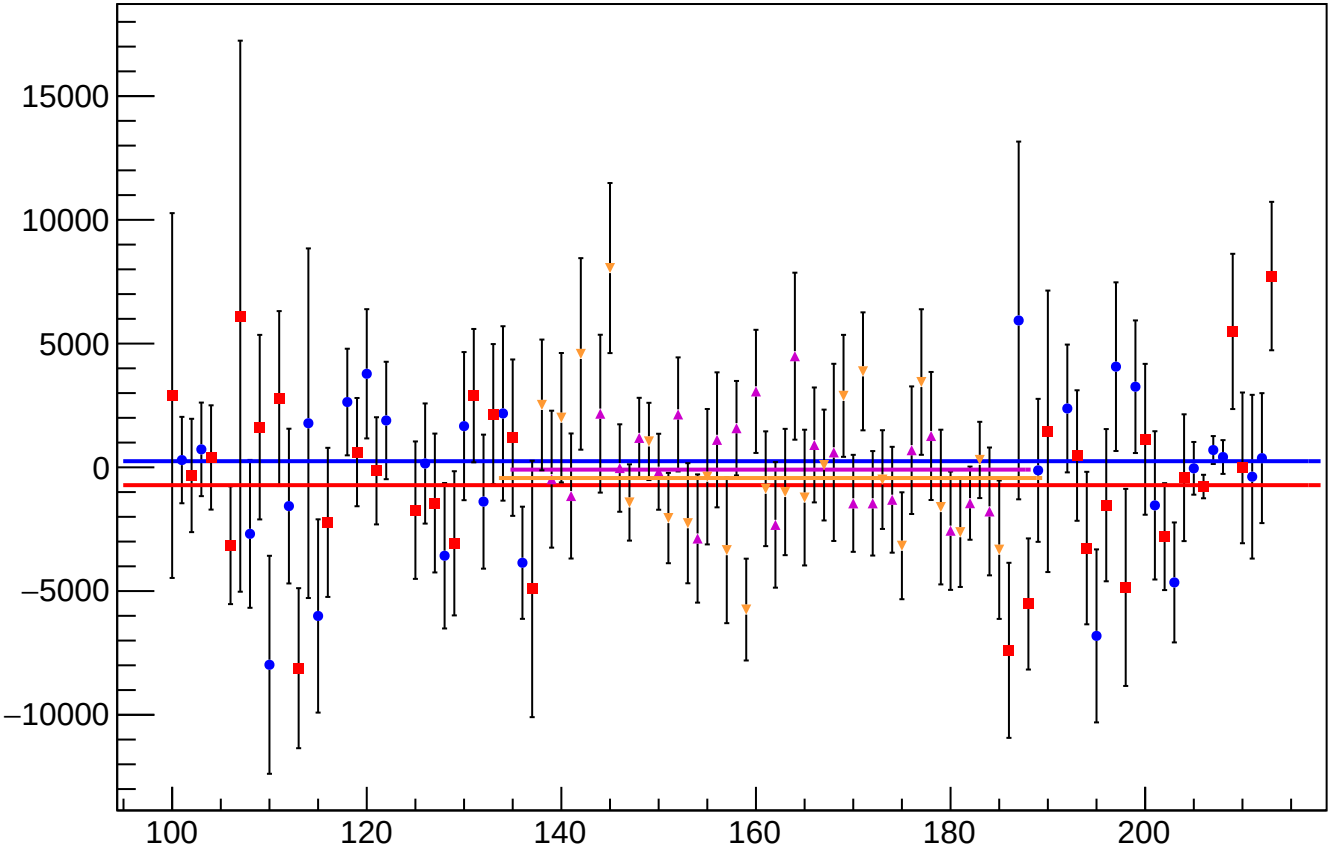
Right: 2247.074+/-0.266 χ^2/NDF: 726030.0/60

In: 2211.553+/-0.262 χ^2/NDF:549775.8/51

Out: 2218.556+/-0.258 χ^2/NDF:206341.7/55

All: 2215.114+/-0.184 χ^2/NDF: 756479.6/107

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 248.078+/-322.764 χ^2/NDF: 30.0/28

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

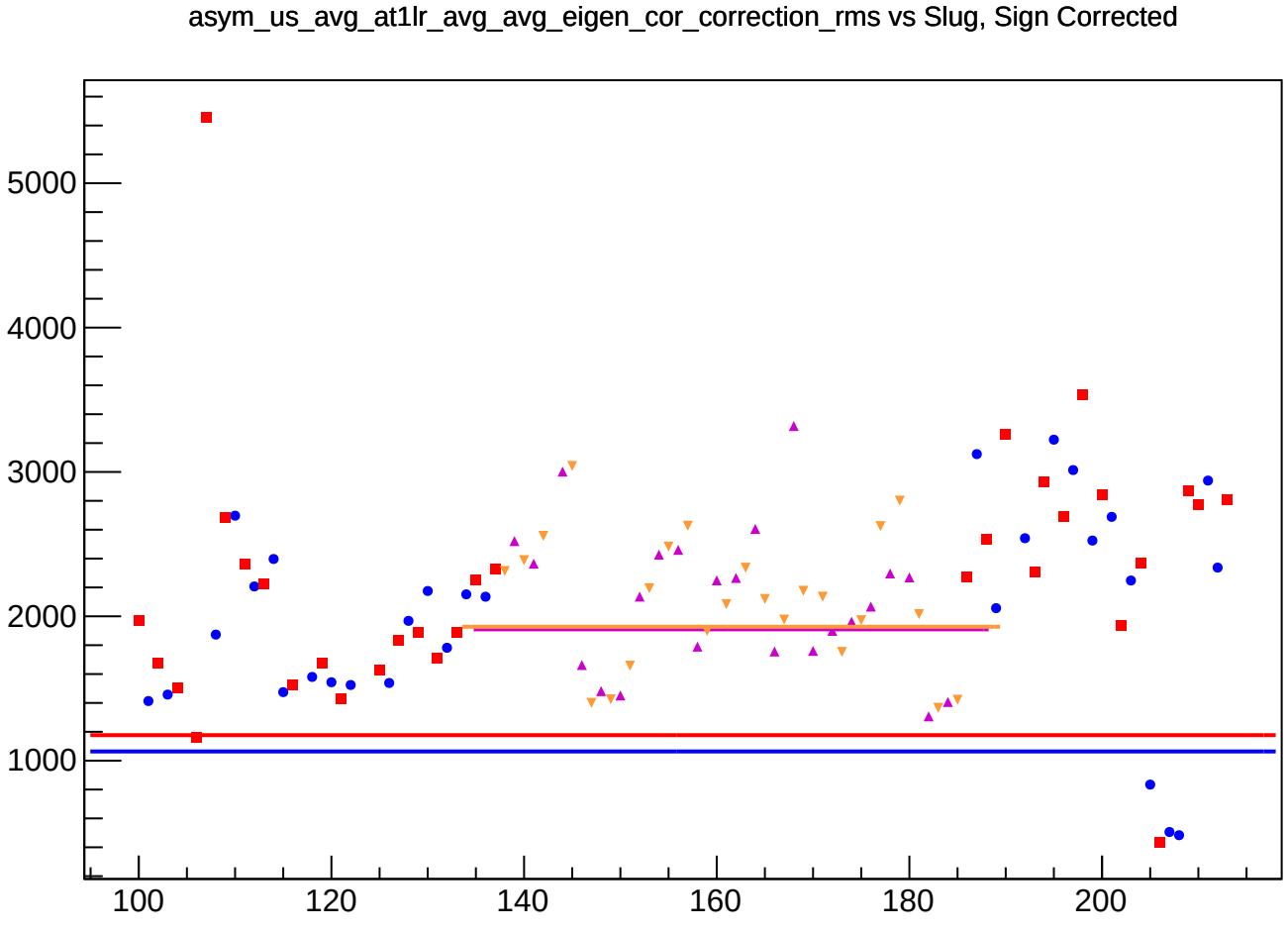
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -194.695+/-237.799 χ^2/NDF: 70.4/60

In: 135.904+/-264.339 χ^2/NDF:43.2/51

Out: -614.817+/-279.922 χ^2/NDF:67.8/55

All: -217.979+/-192.189 χ^2/NDF: 114.7/107



Right In: 1063.838+/-0.228 χ^2/NDF: 11272249.4/28

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1176.694+/-0.249 χ^2/NDF: 13326878.5/31

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

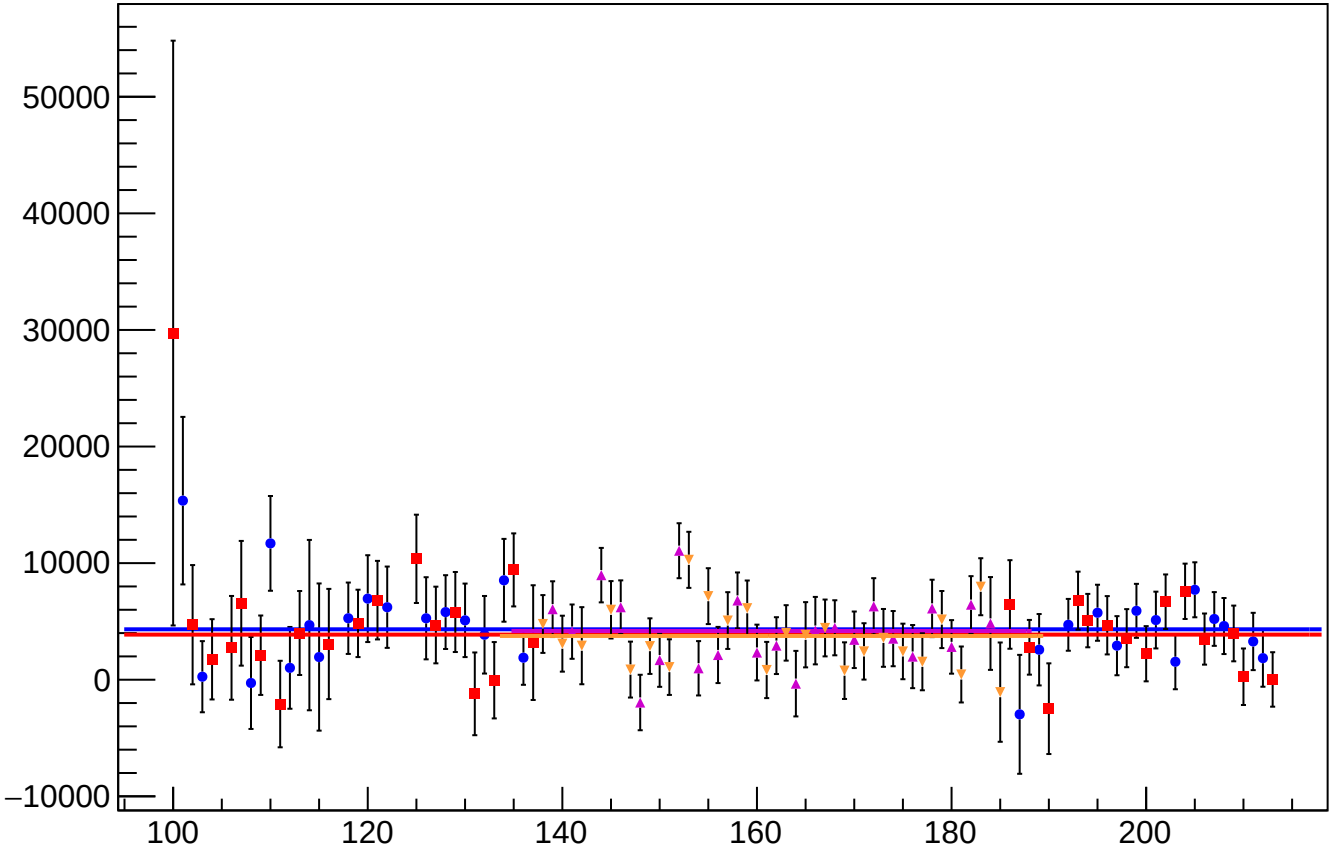
Right: 1115.434+/-0.168 χ^2/NDF: 24710918.8/60

In: 1342.321+/-0.187 χ^2/NDF:17736399.4/51

Out: 1451.921+/-0.198 χ^2/NDF:18467339.3/55

All: 1393.986+/-0.136 χ^2/NDF: 36365812.1/1

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4324.642+/-545.698 χ^2/NDF: 22.0/28

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

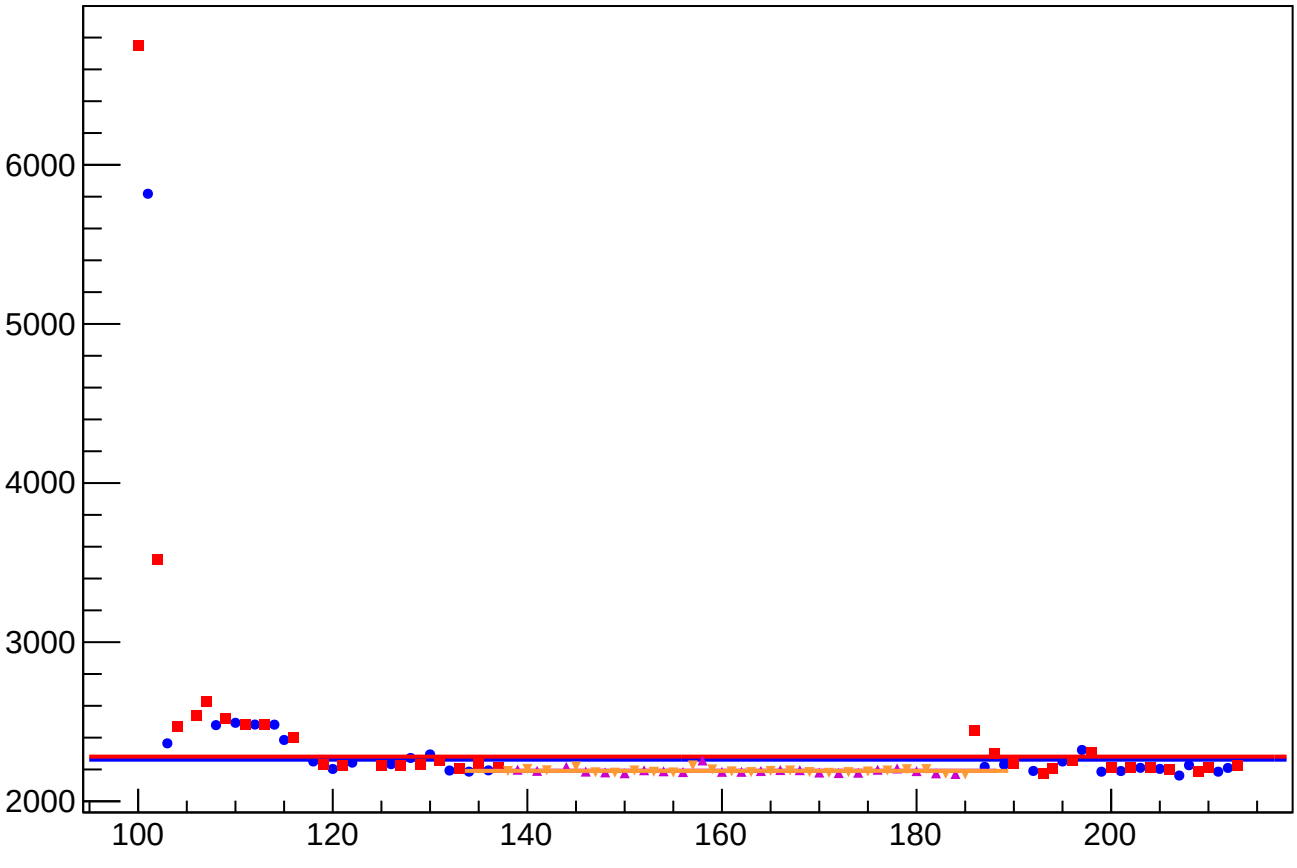
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4091.647+/-381.106 χ^2/NDF: 52.4/60

In: 4249.939+/-373.331 χ^2/NDF:54.7/51

Out: 3809.279+/-367.774 χ^2/NDF:55.7/55

All: 4026.305+/-261.998 χ^2/NDF: 111.1/107



Right In: 2261.521+/-0.386 χ^2/NDF: 536290.5/28

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

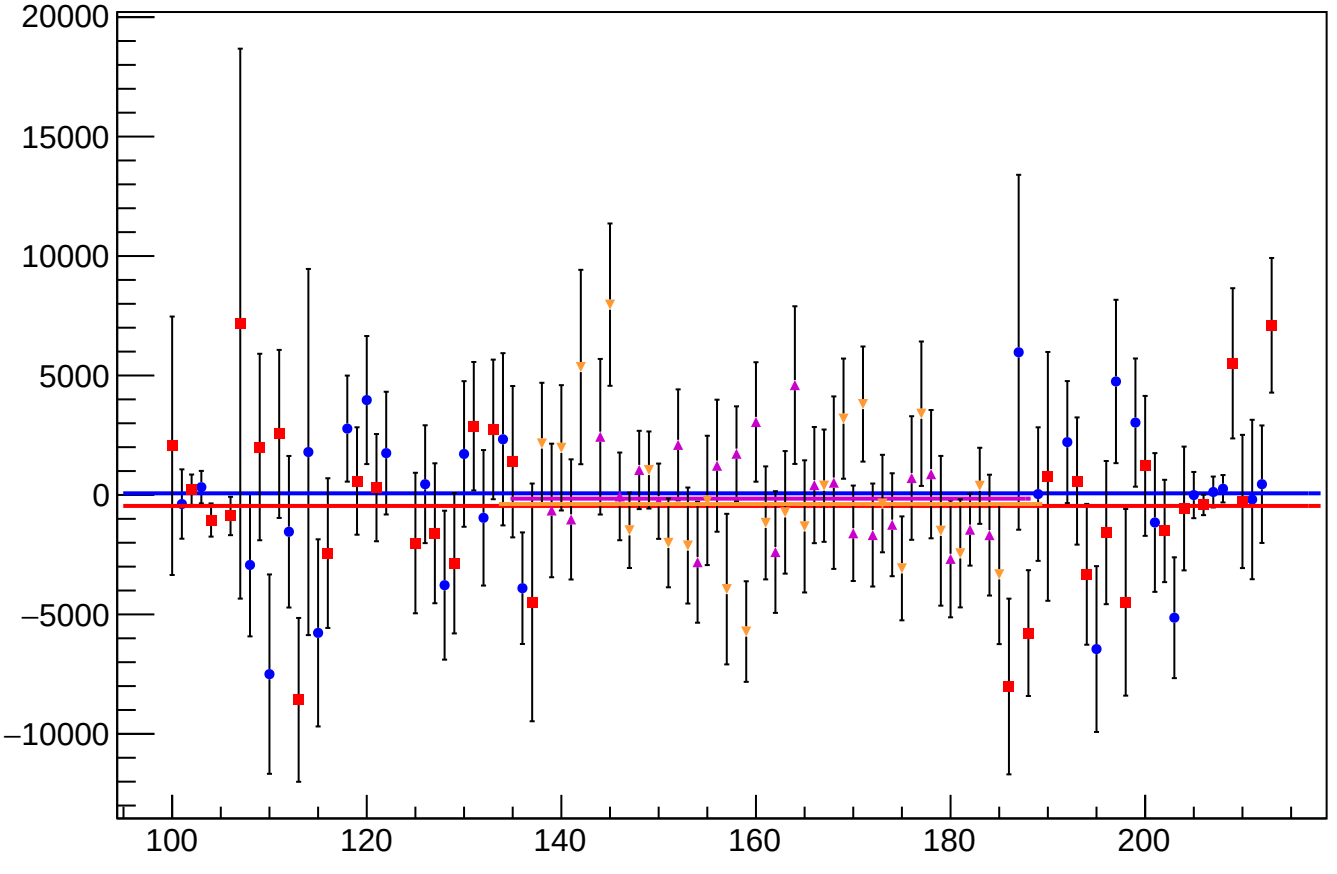
Right: 2271.352+/-0.269 χ^2/NDF: 791435.0/60

In: 2224.646+/-0.264 χ^2/NDF:555740.4/51

Out: 2233.874+/-0.260 χ^2/NDF:284698.4/55

All: 2229.329+/-0.185 χ^2/NDF: 841059.0/107

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 67.986+/-290.026 χ^2/NDF: 28.9/28

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

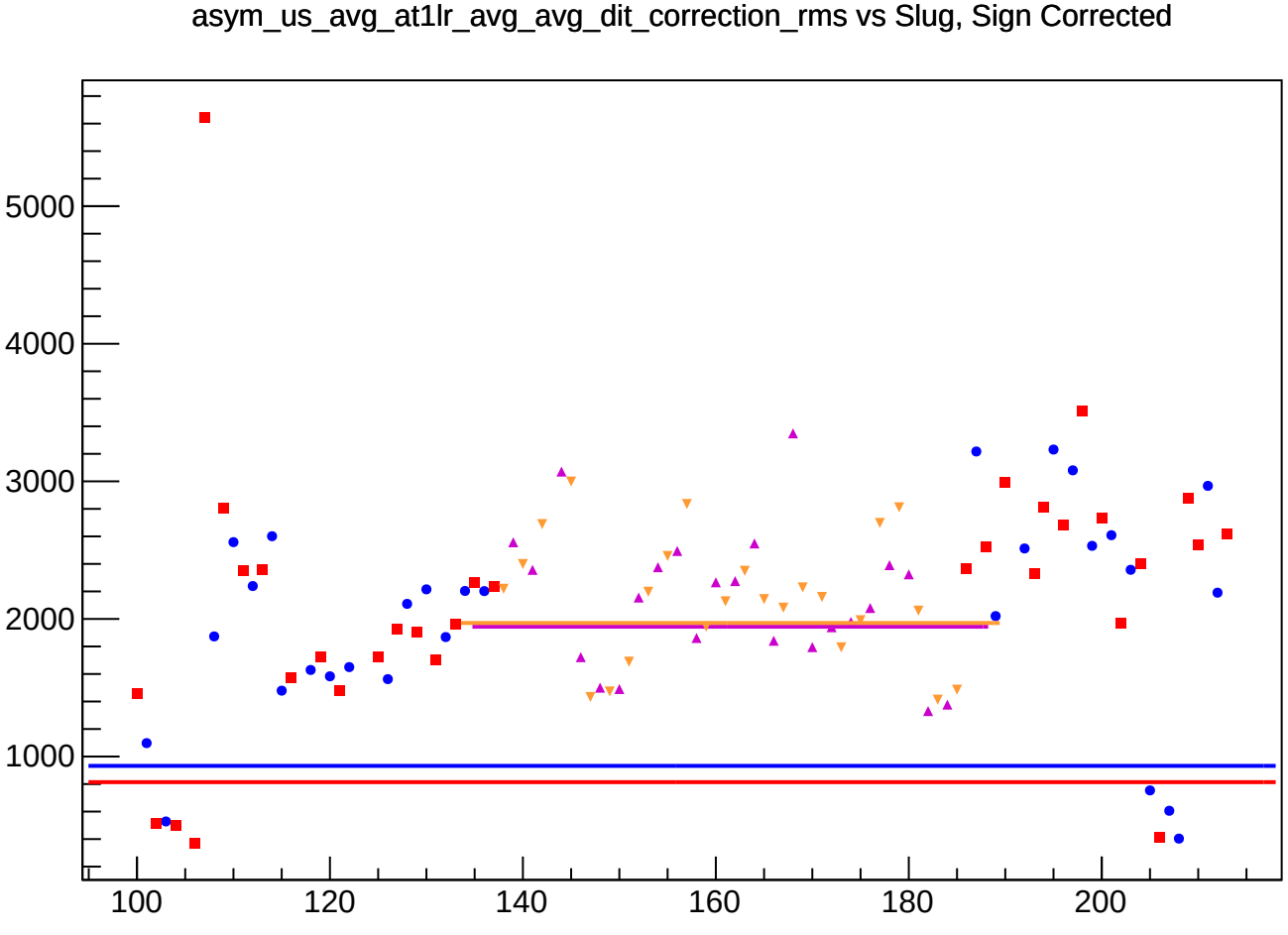
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

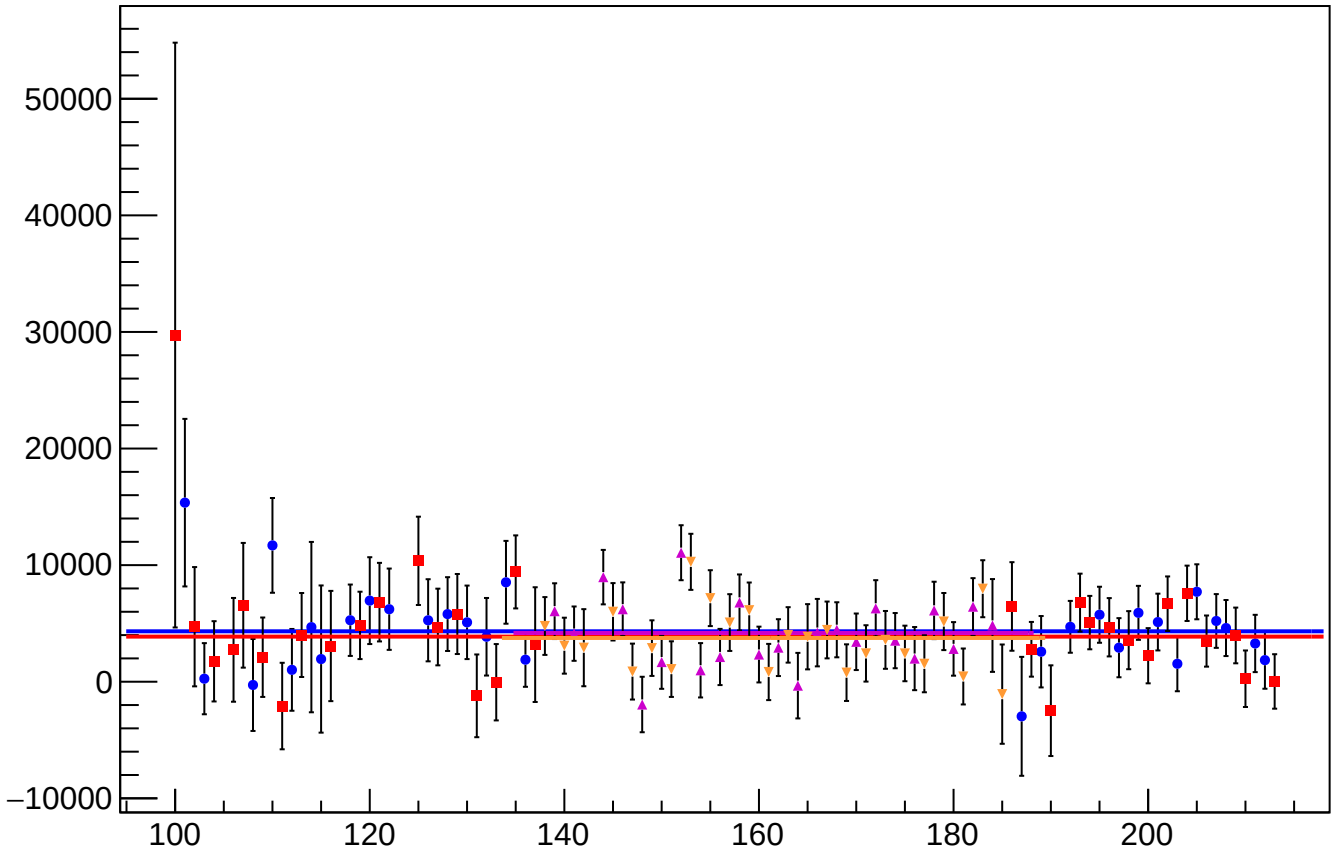
Right: -222.965+/-194.277 χ^2/NDF: 67.9/60

In: 6.248+/-246.525 χ^2/NDF:41.9/51

Out: -441.110+/-228.786 χ^2/NDF:67.9/55

All: -234.104+/-167.697 χ^2/NDF: 111.6/107


asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 932.074+/-0.205 χ²/NDF: 12494583.6/28
Left Out: 1970.655+/-0.333 χ²/NDF:1696659.6/23
Right Out: 813.984+/-0.185 χ²/NDF: 16901708.8/31
Left In: 1943.628+/-0.331 χ²/NDF:1882933.7/22
Left: 1957.041+/-0.235 χ²/NDF: 3582903.8/46
Right: 866.973+/-0.137 χ²/NDF: 29579086.4/60
In: 1212.761+/-0.174 χ²/NDF:21128496.2/51
Out: 1086.343+/-0.162 χ²/NDF:27801115.7/55
All: 1144.840+/-0.119 χ²/NDF: 49212174.8/



Right In: 4324.640+/-545.698 χ^2/NDF: 22.0/28

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

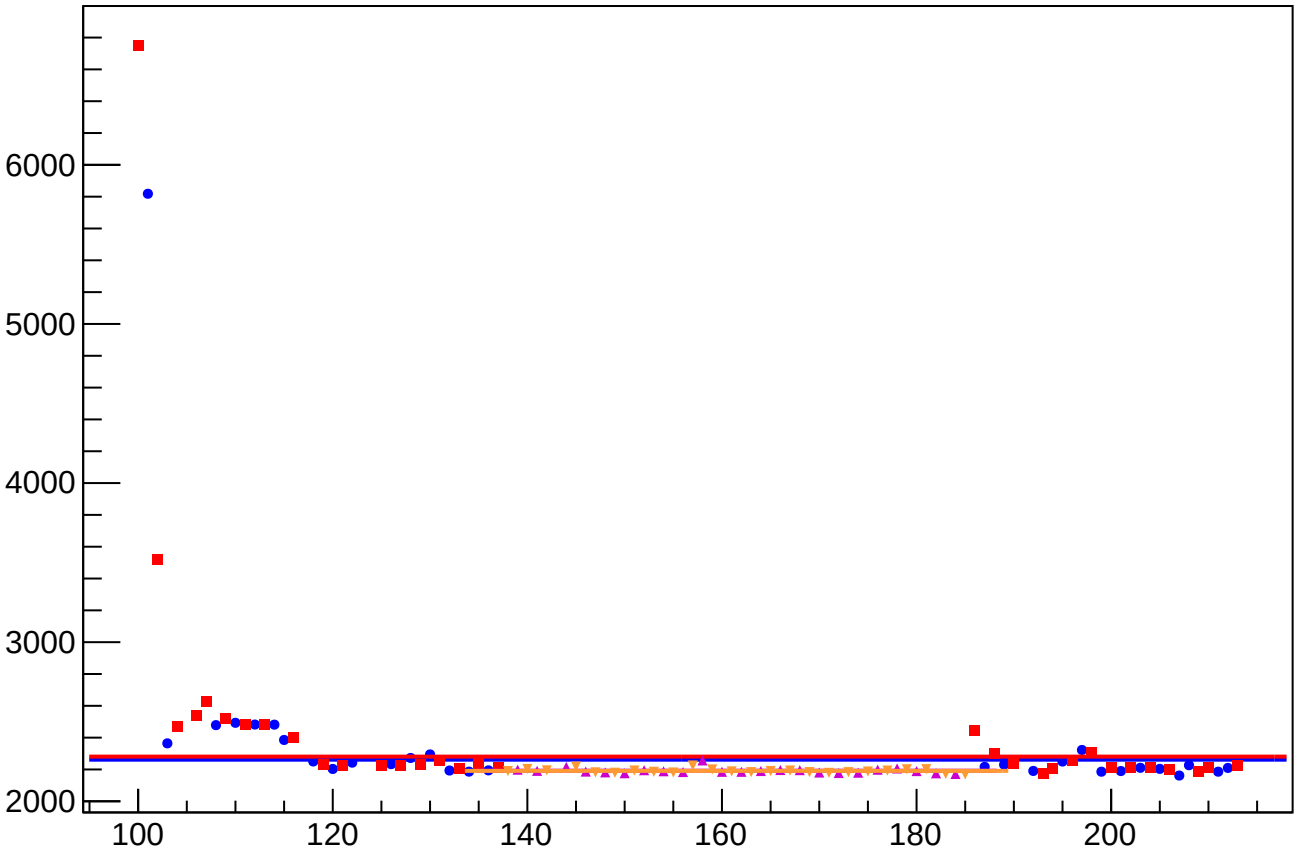
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4091.644+/-381.106 χ^2/NDF: 52.4/60

In: 4249.939+/-373.331 χ^2/NDF:54.7/51

Out: 3809.277+/-367.774 χ^2/NDF:55.7/55

All: 4026.304+/-261.998 χ^2/NDF: 111.1/107



Right In: 2261.521+/-0.386 χ^2/NDF: 536290.4/28

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

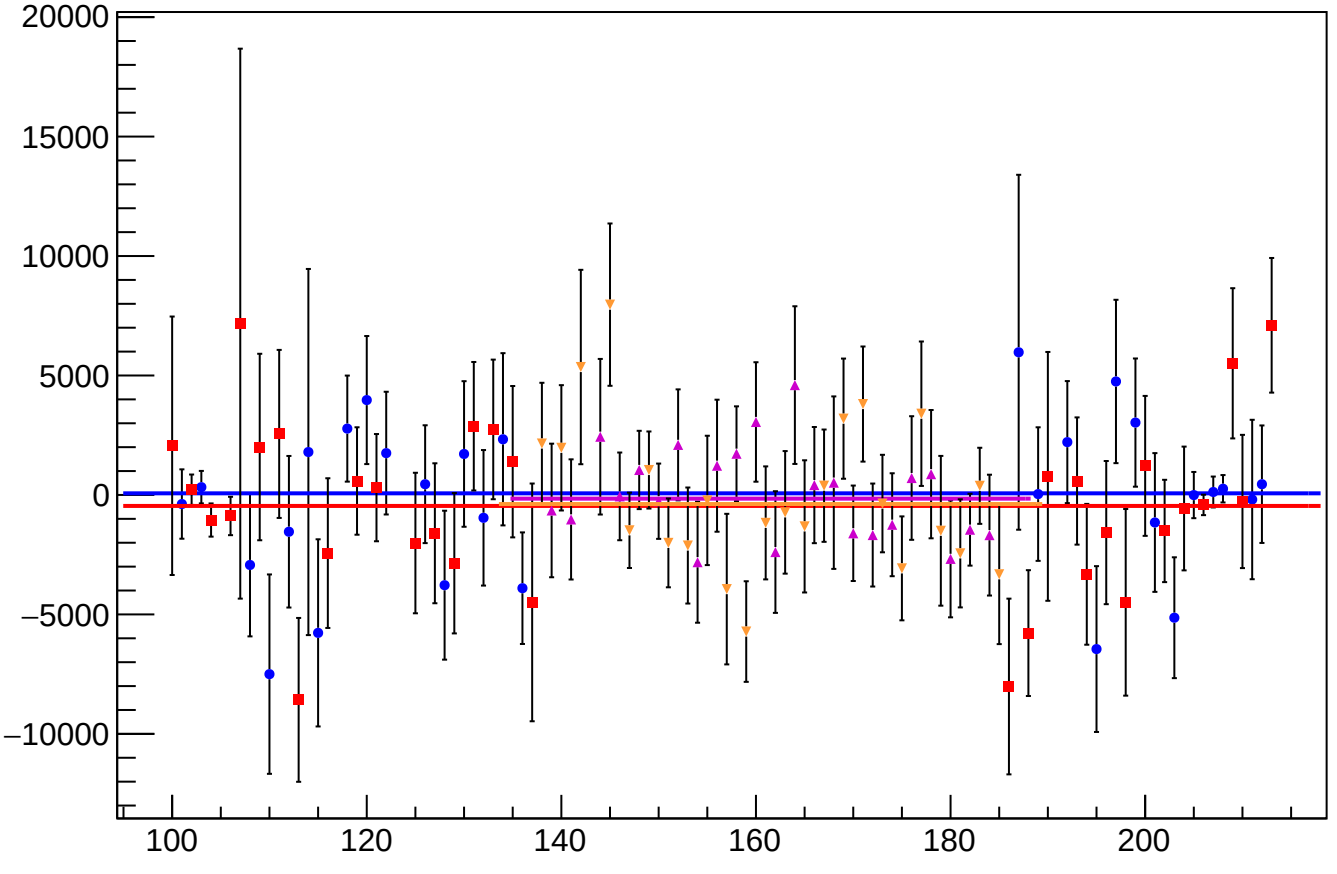
Right: 2271.352+/-0.269 χ^2/NDF: 791433.6/60

In: 2224.645+/-0.264 χ^2/NDF:555740.2/51

Out: 2233.874+/-0.260 χ^2/NDF:284696.9/55

All: 2229.329+/-0.185 χ^2/NDF: 841057.3/107

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 67.983+/-290.026 χ^2/NDF: 28.9/28

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

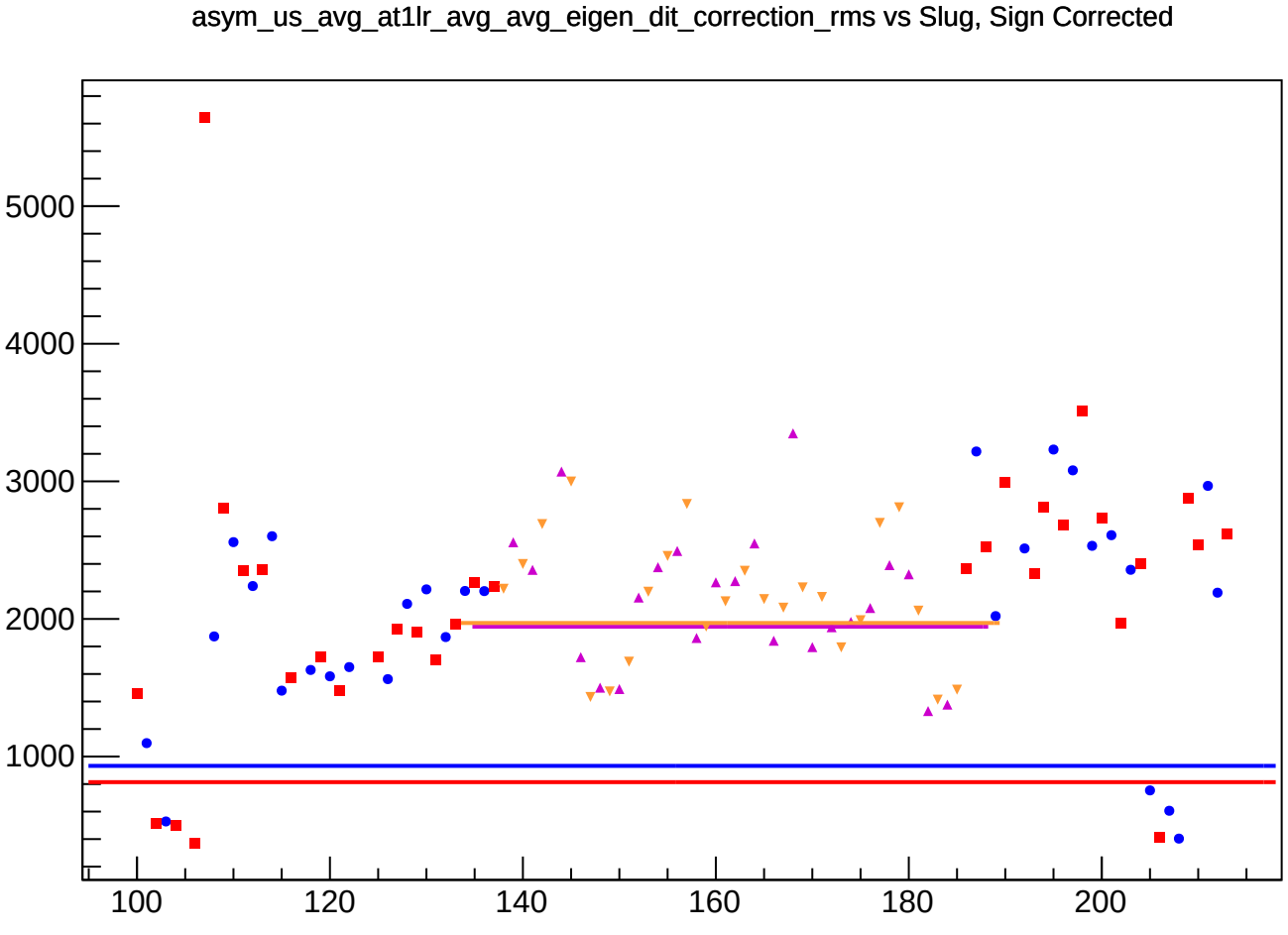
Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

Right: -222.964+/-194.277 χ^2/NDF: 67.9/60

In: 6.245+/-246.525 χ^2/NDF:41.9/51

Out: -441.108+/-228.787 χ^2/NDF:67.9/55

All: -234.104+/-167.698 χ^2/NDF: 111.6/107



Right In: 932.074+/-0.205 χ^2/NDF: 12494602.3/28

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

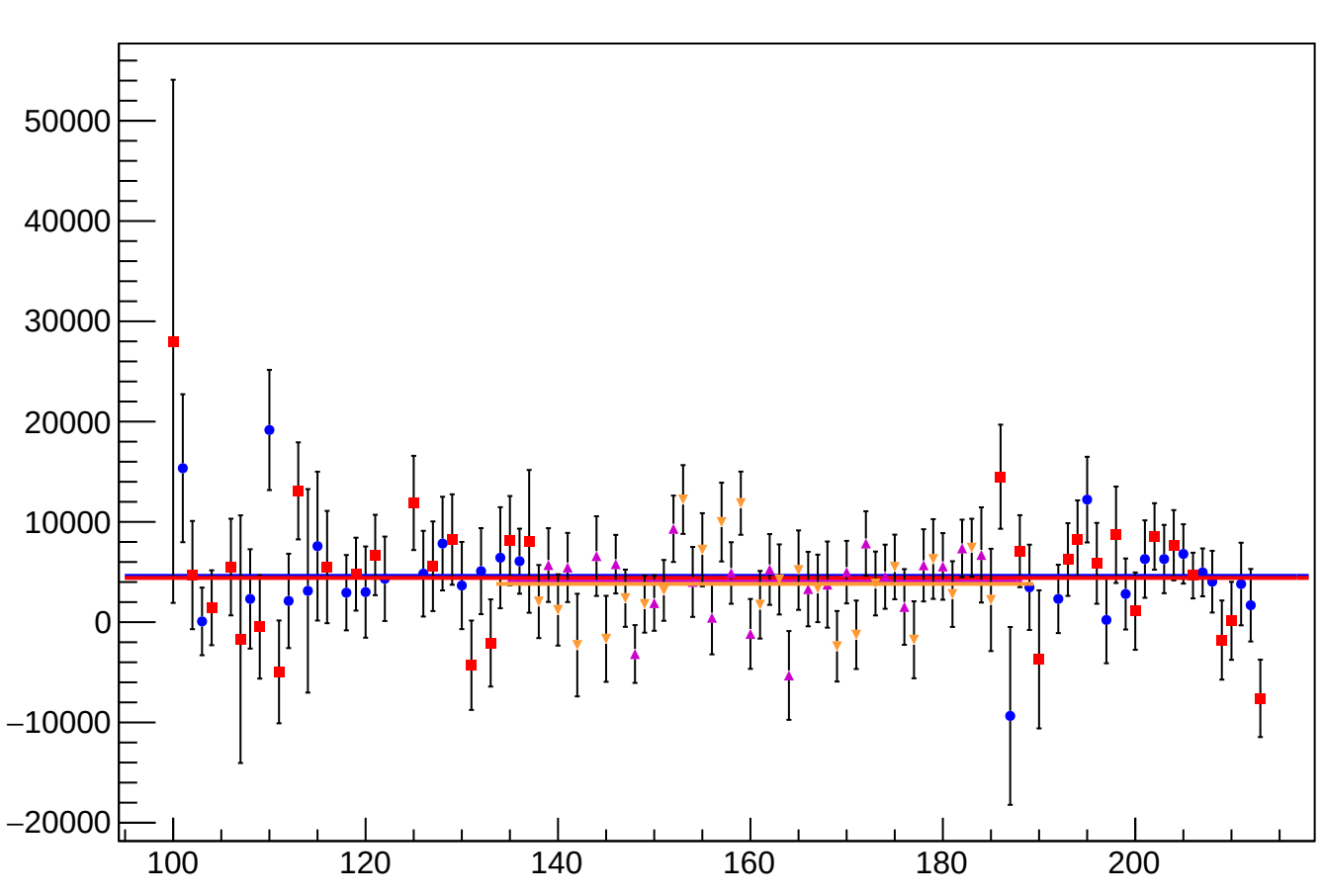
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 866.976+/-0.137 χ^2/NDF: 29579014.5/60

In: 1212.761+/-0.174 χ^2/NDF:21128543.4/51

Out: 1086.348+/-0.162 χ^2/NDF:27800977.6/55

All: 1144.844+/-0.119 χ^2/NDF: 49212059.6/



Right In: 4616.429+/-747.023 χ^2/NDF: 20.9/28

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

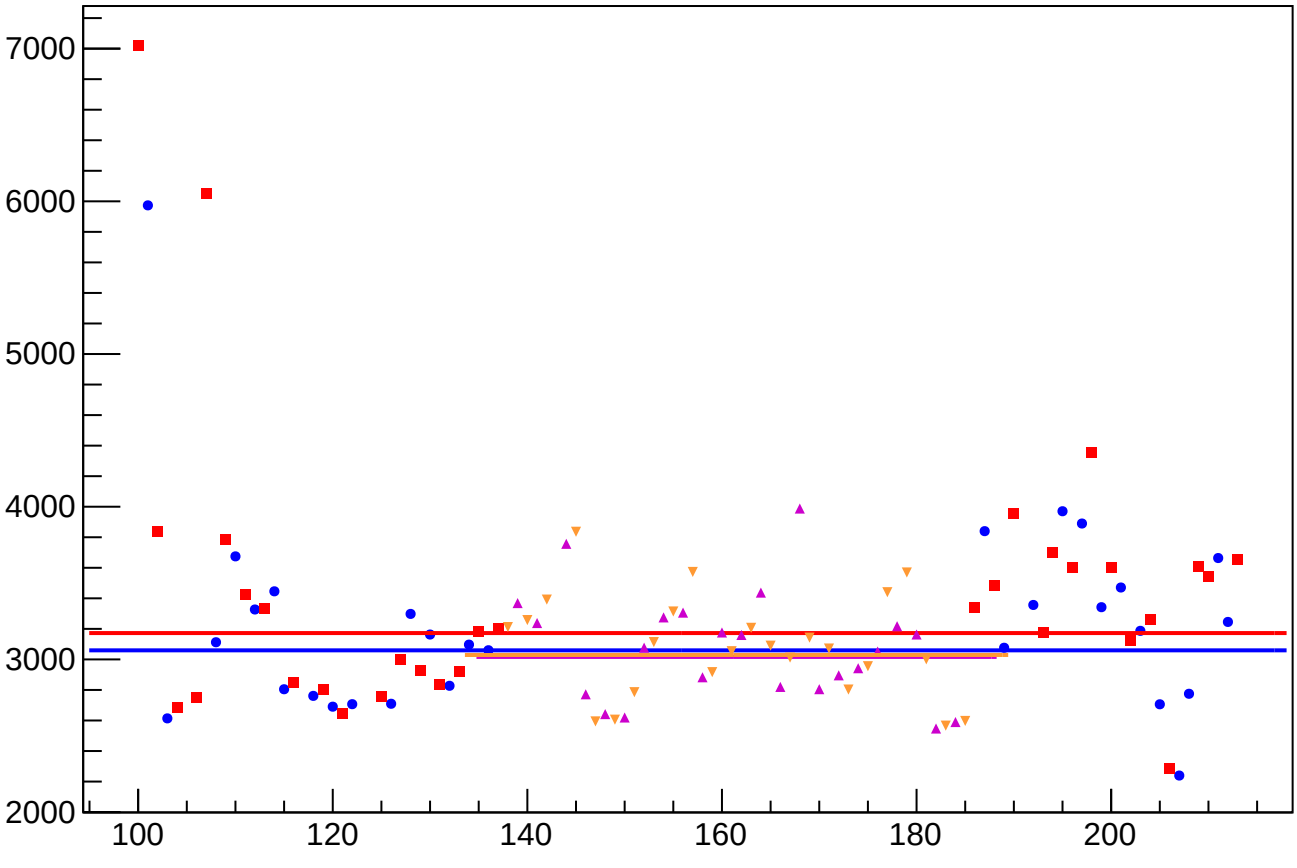
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4513.945+/-529.343 χ^2/NDF: 65.3/60

In: 4314.677+/-514.474 χ^2/NDF:43.7/51

Out: 4097.205+/-515.023 χ^2/NDF:75.6/55

All: 4206.057+/-363.982 χ^2/NDF: 119.4/107



Right In: 3059.388+/-0.528 χ^2/NDF: 1009334.1/28

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

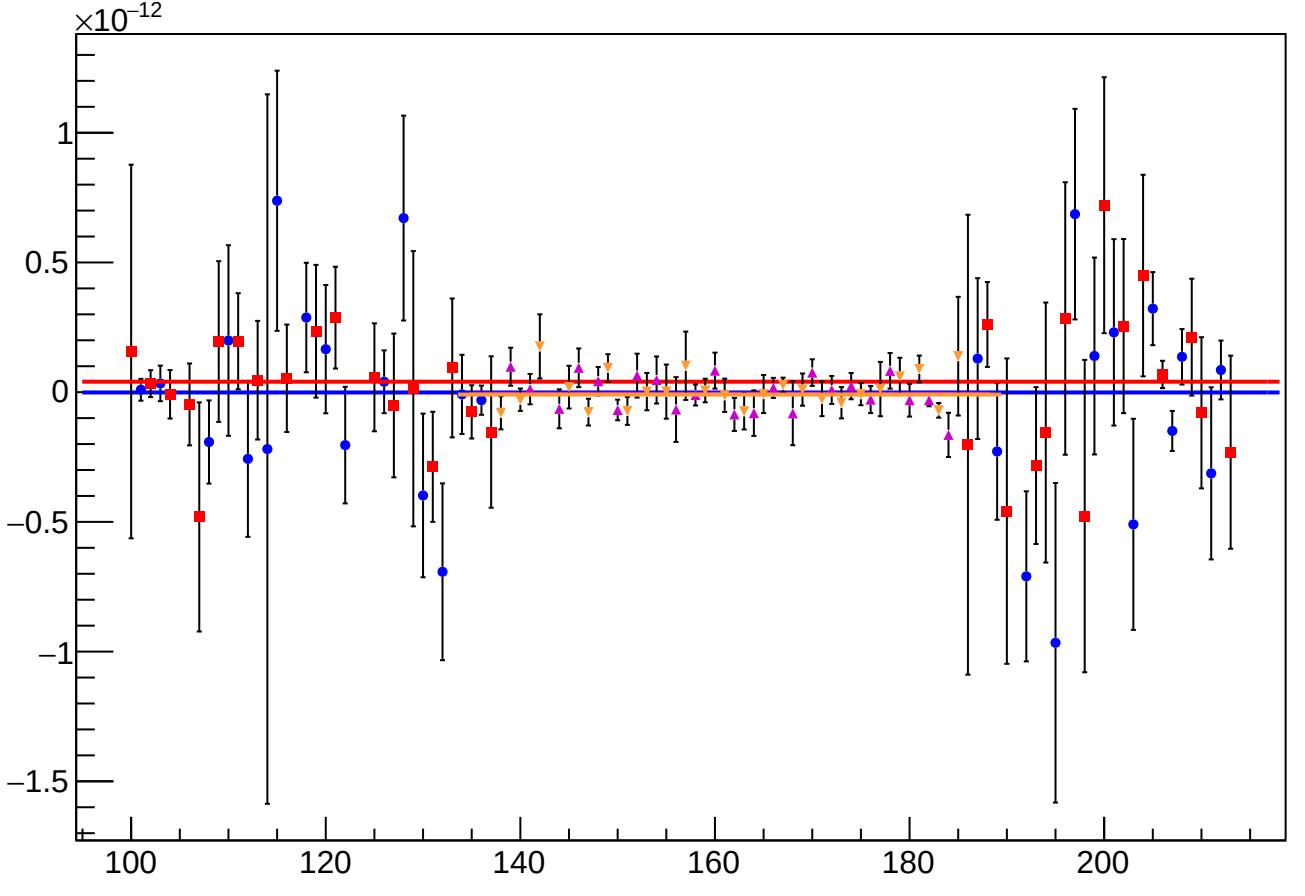
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3115.725+/-0.374 χ^2/NDF: 2029682.7/60

In: 3036.712+/-0.364 χ^2/NDF:1452737.7/51

Out: 3096.643+/-0.364 χ^2/NDF:1433333.8/55

All: 3066.646+/-0.257 χ^2/NDF: 2899627.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 42.2/28

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

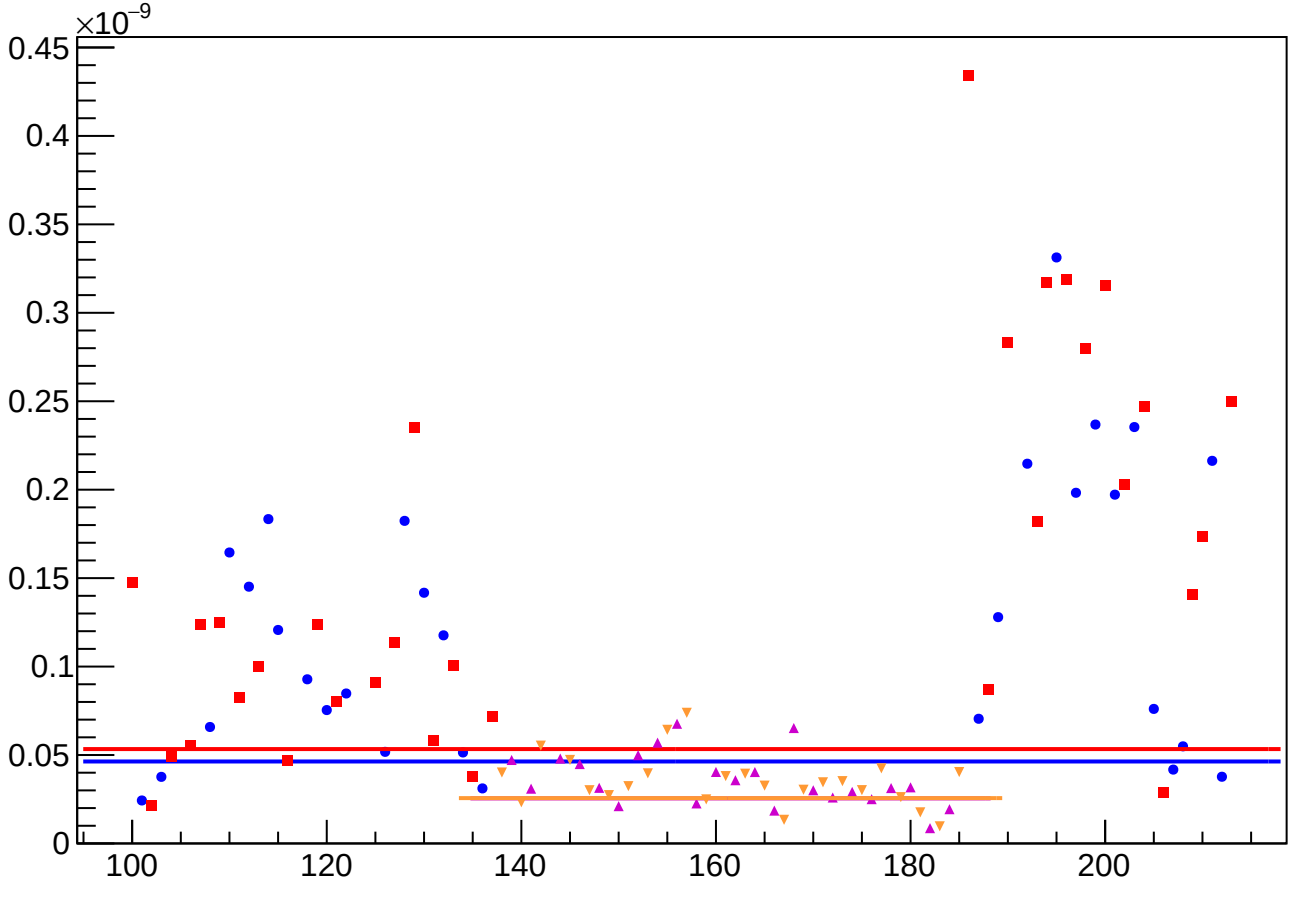
Right: 0.000+/-0.000 χ^2/NDF: 62.8/60

In: -0.000+/-0.000 χ^2/NDF:65.5/51

Out: -0.000+/-0.000 χ^2/NDF:46.2/55

All: -0.000+/-0.000 χ^2/NDF: 111.8/107

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5313378.3/28

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

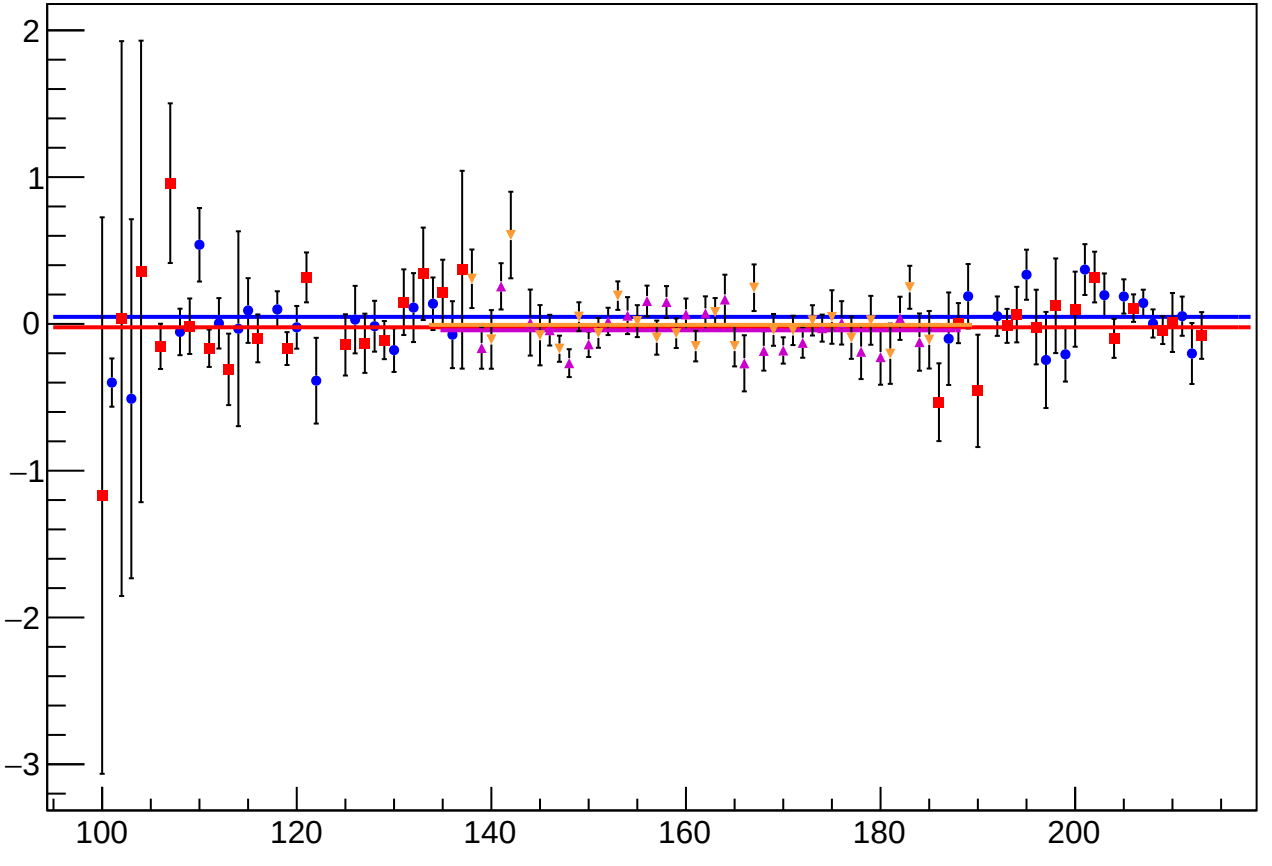
Right: 0.000+/-0.000 χ^2/NDF: 12738220.9/60

In: 0.000+/-0.000 χ^2/NDF:9404849.0/51

Out: 0.000+/-0.000 χ^2/NDF:11534480.9/55

All: 0.000+/-0.000 χ^2/NDF: 20939897.5/107

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.031 χ^2/NDF: 32.5/28

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

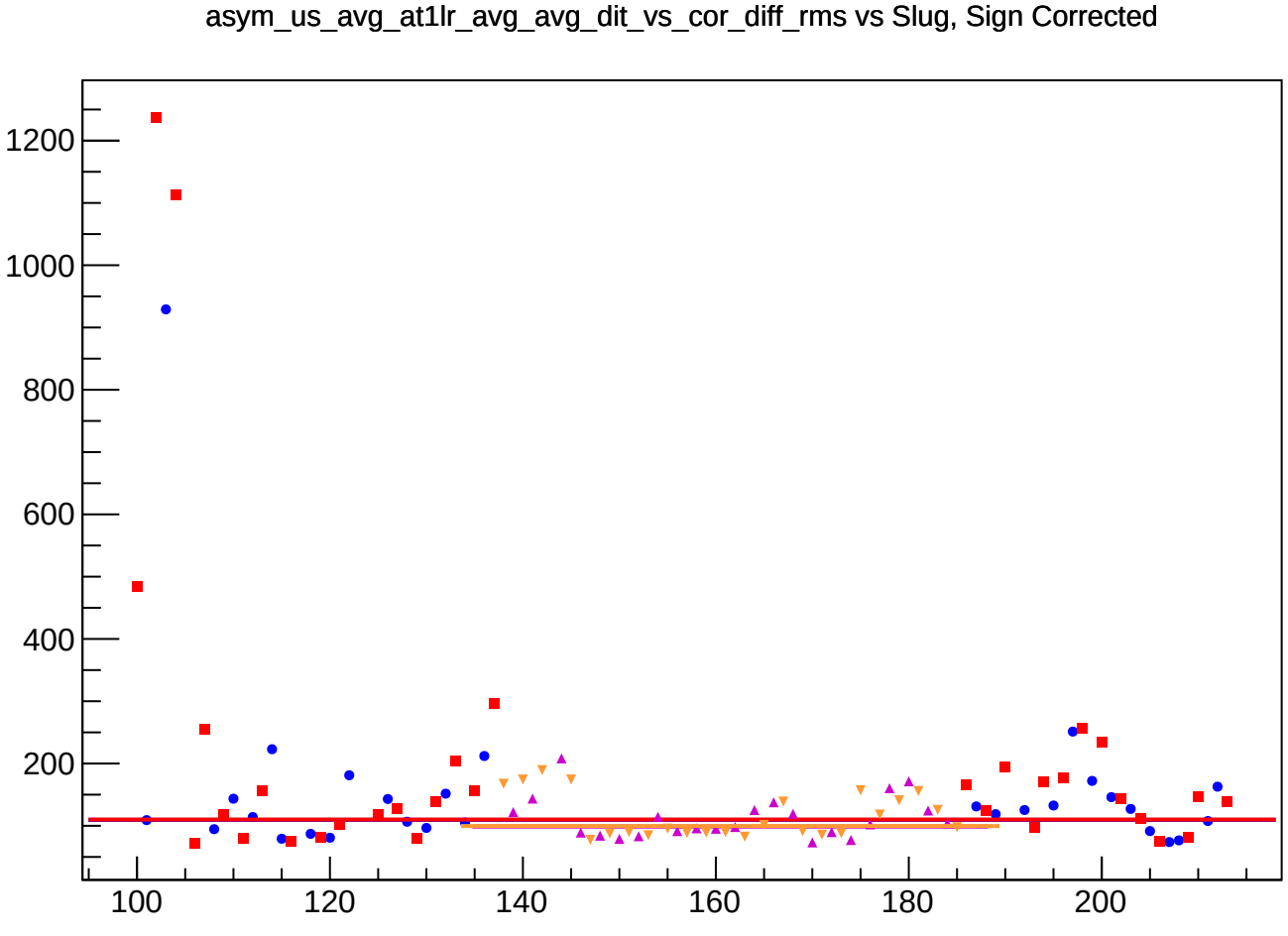
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.012+/-0.022 χ^2/NDF: 64.6/60

In: -0.007+/-0.019 χ^2/NDF:68.1/51

Out: -0.013+/-0.020 χ^2/NDF:57.4/55

All: -0.010+/-0.014 χ^2/NDF: 125.5/107



Right In: 109.527+/-0.022 χ^2/NDF: 3359675.2/28

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

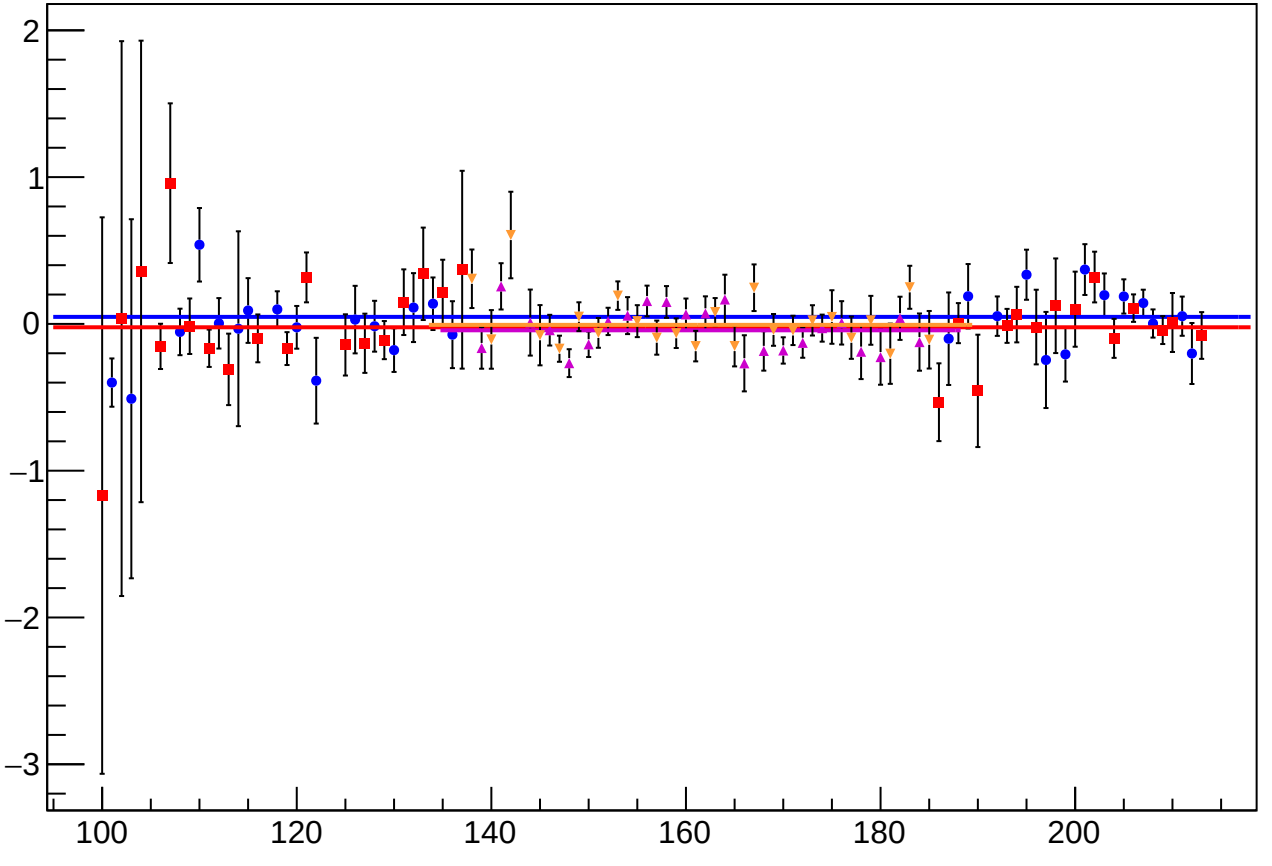
Right: 109.770+/-0.015 χ^2/NDF: 8353451.4/60

In: 103.011+/-0.014 χ^2/NDF:5513182.0/51

Out: 103.809+/-0.014 χ^2/NDF:7201709.6/55

All: 103.408+/-0.010 χ^2/NDF: 12716571.7/10

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.031 χ^2/NDF: 32.5/28

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

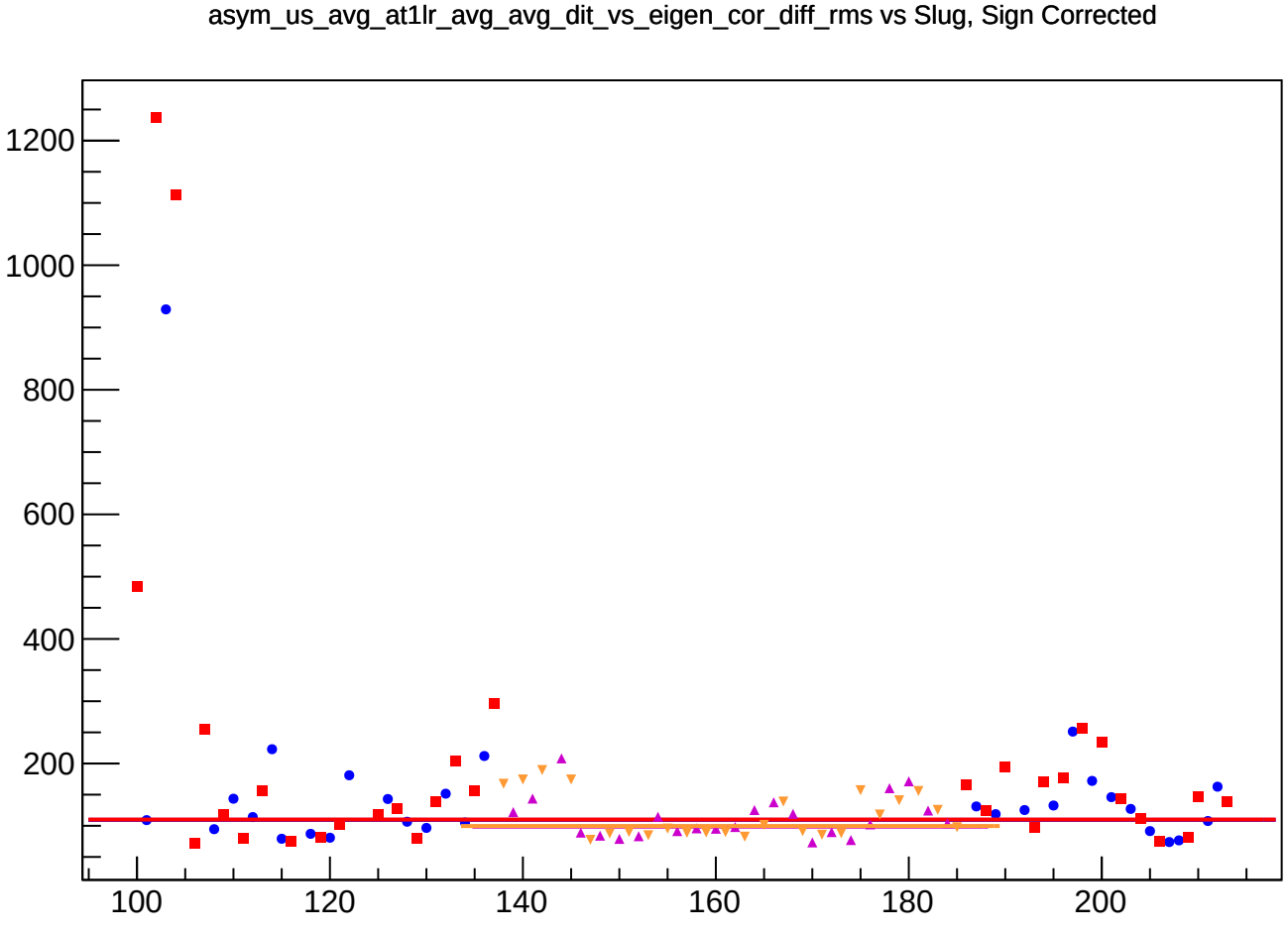
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.012+/-0.022 χ^2/NDF: 64.6/60

In: -0.007+/-0.019 χ^2/NDF:68.1/51

Out: -0.013+/-0.020 χ^2/NDF:57.4/55

All: -0.010+/-0.014 χ^2/NDF: 125.5/107



Right In: 109.527+/-0.022 χ^2/NDF: 3359675.2/28

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

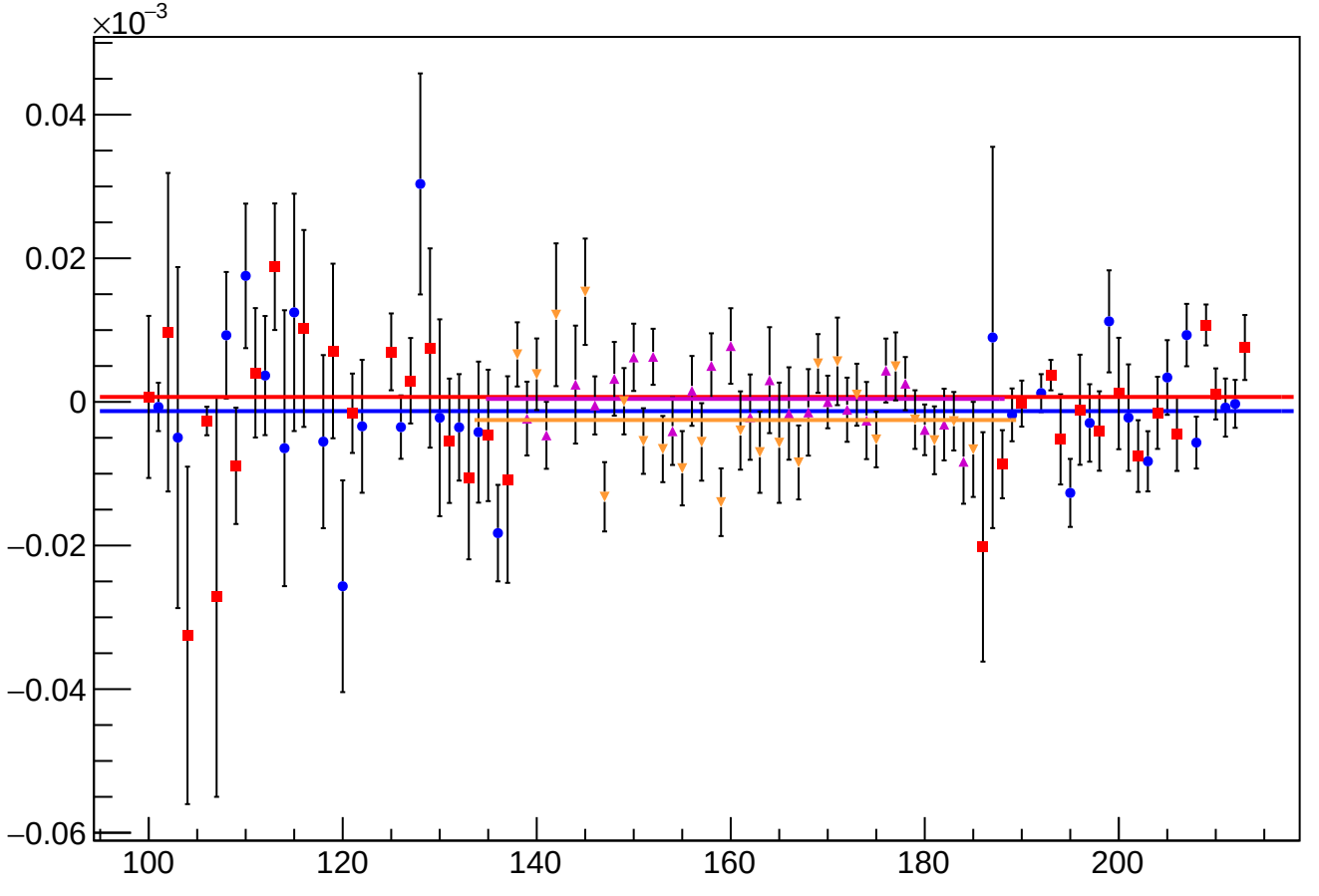
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 109.770+/-0.015 χ^2/NDF: 8353451.4/60

In: 103.011+/-0.014 χ^2/NDF:5513182.0/51

Out: 103.809+/-0.014 χ^2/NDF:7201709.6/55

All: 103.408+/-0.010 χ^2/NDF: 12716571.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.3/28

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

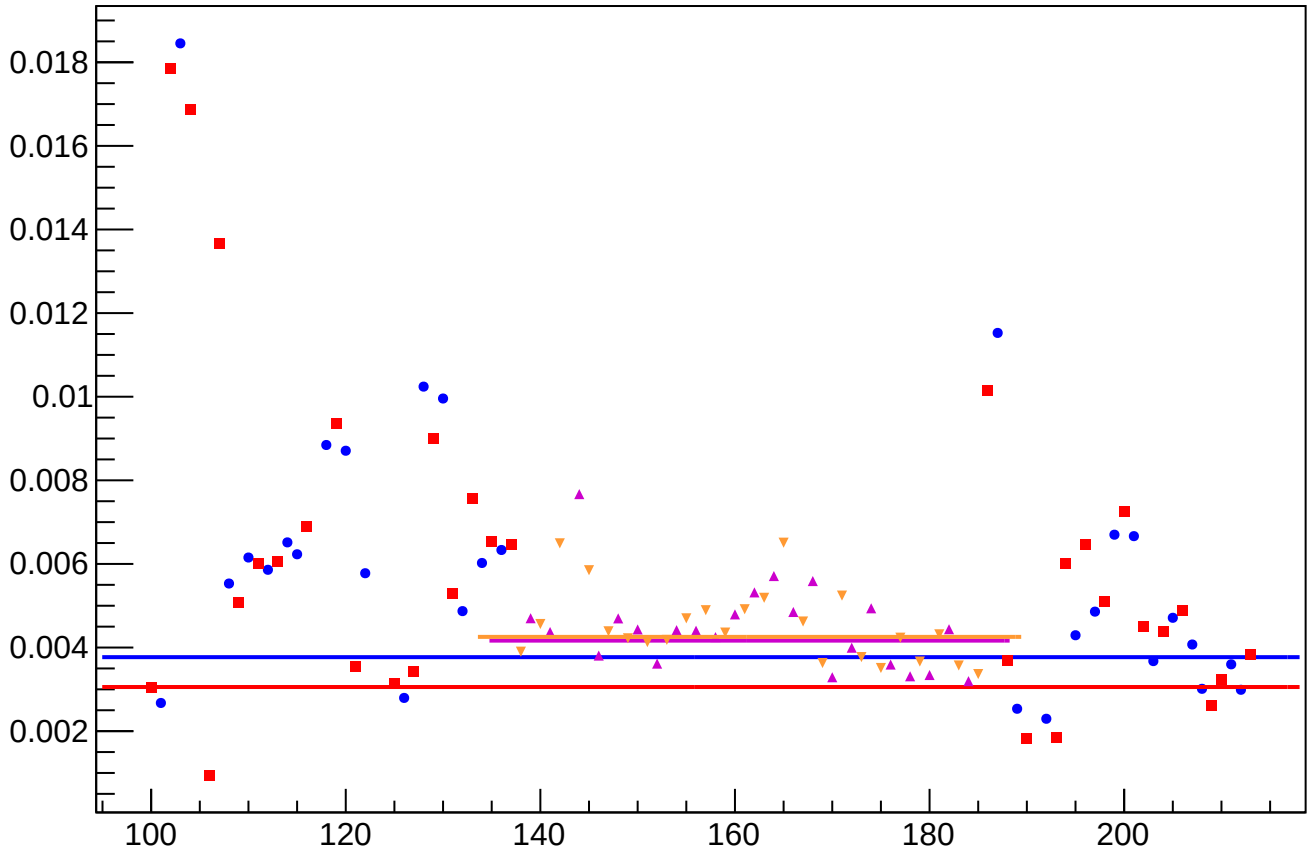
Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

Right: -0.000+/-0.000 χ^2/NDF: 88.5/60

In: -0.000+/-0.000 χ^2/NDF:58.6/51

Out: -0.000+/-0.000 χ^2/NDF:90.9/55

All: -0.000+/-0.000 χ^2/NDF: 149.6/107



Right In: 0.004+/-0.000 χ^2/NDF: 5401700.0/28

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

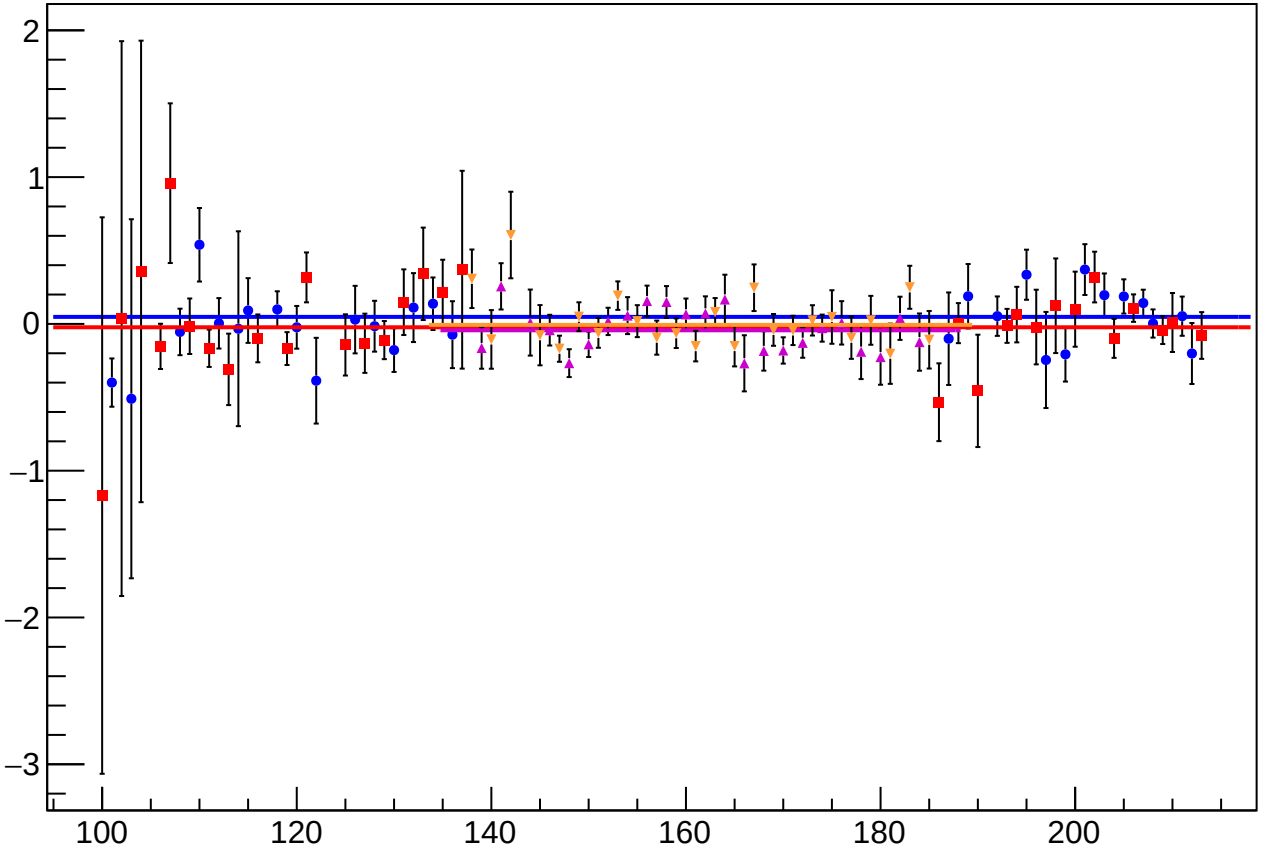
Right: 0.003+/-0.000 χ^2/NDF: 16373433.4/60

In: 0.004+/-0.000 χ^2/NDF:6834773.2/51

Out: 0.004+/-0.000 χ^2/NDF:12835088.7/55

All: 0.004+/-0.000 χ^2/NDF: 20005344.6/107

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.031 χ^2/NDF: 32.5/28

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

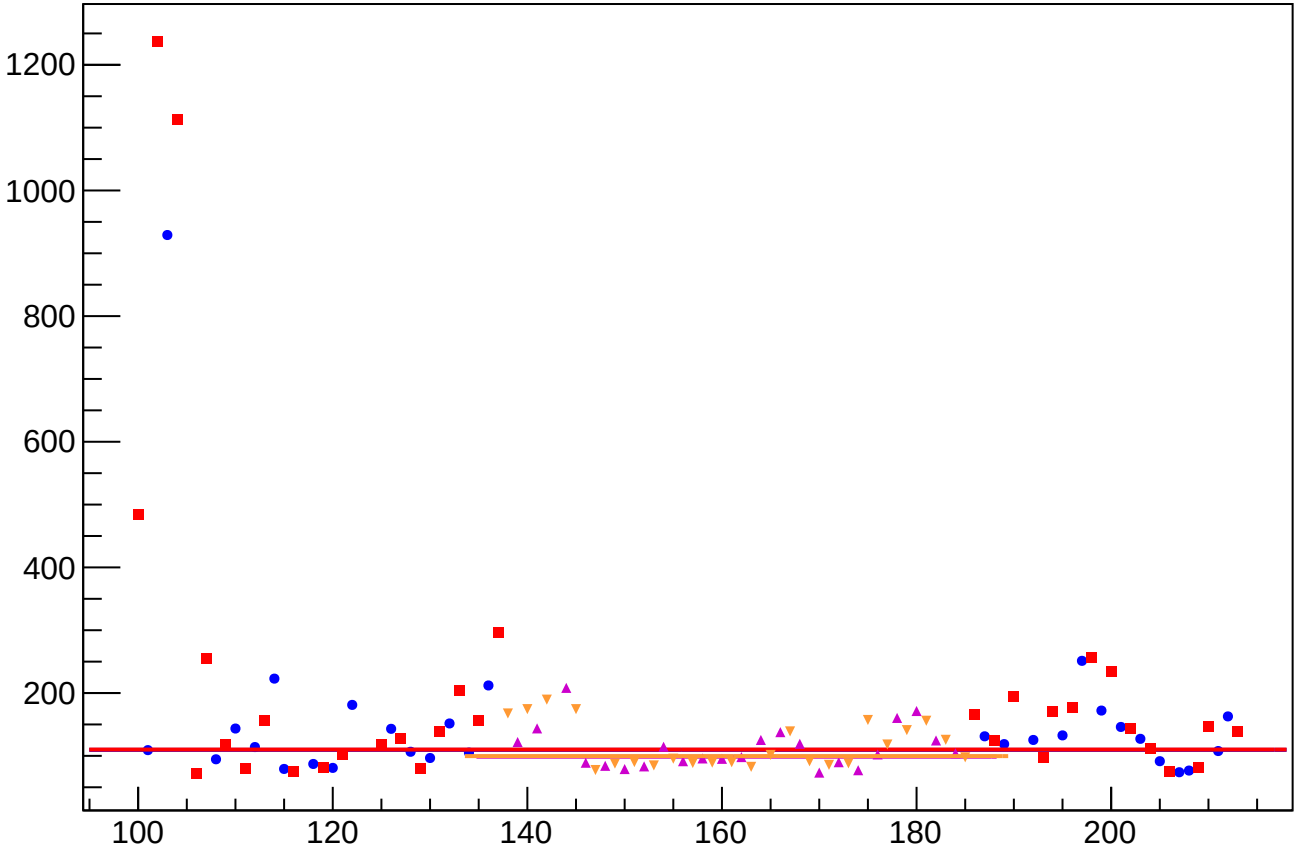
Right: 0.012+/-0.022 χ^2/NDF: 64.6/60

In: -0.007+/-0.019 χ^2/NDF:68.1/51

Out: -0.013+/-0.020 χ^2/NDF:57.4/55

All: -0.010+/-0.014 χ^2/NDF: 125.5/107

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.527+/-0.022 χ^2/NDF: 3359600.0/28

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

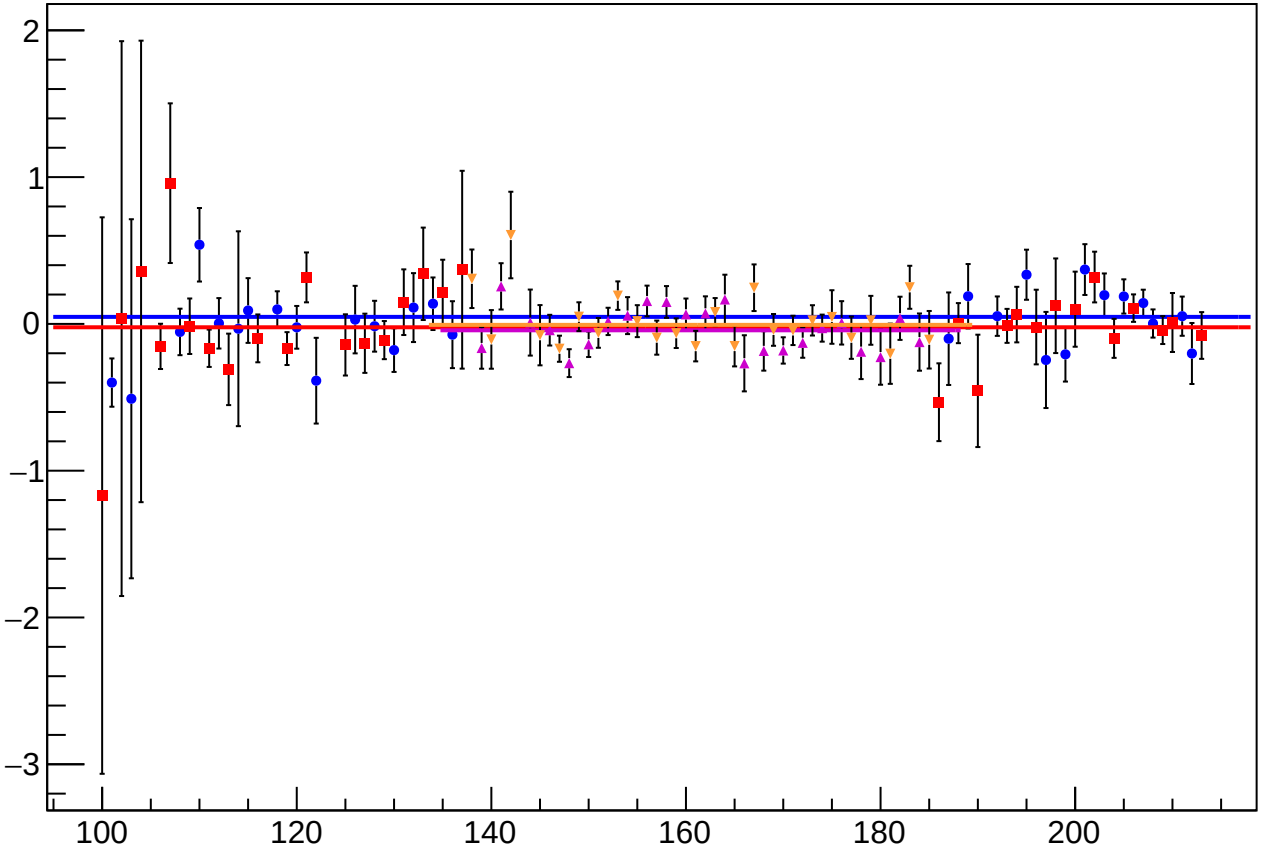
Right: 109.770+/-0.015 χ^2/NDF: 8353350.1/60

In: 103.011+/-0.014 χ^2/NDF:5513061.7/51

Out: 103.810+/-0.014 χ^2/NDF:7201623.5/55

All: 103.408+/-0.010 χ^2/NDF: 12716365.8/10

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.031 χ^2/NDF: 32.5/28

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

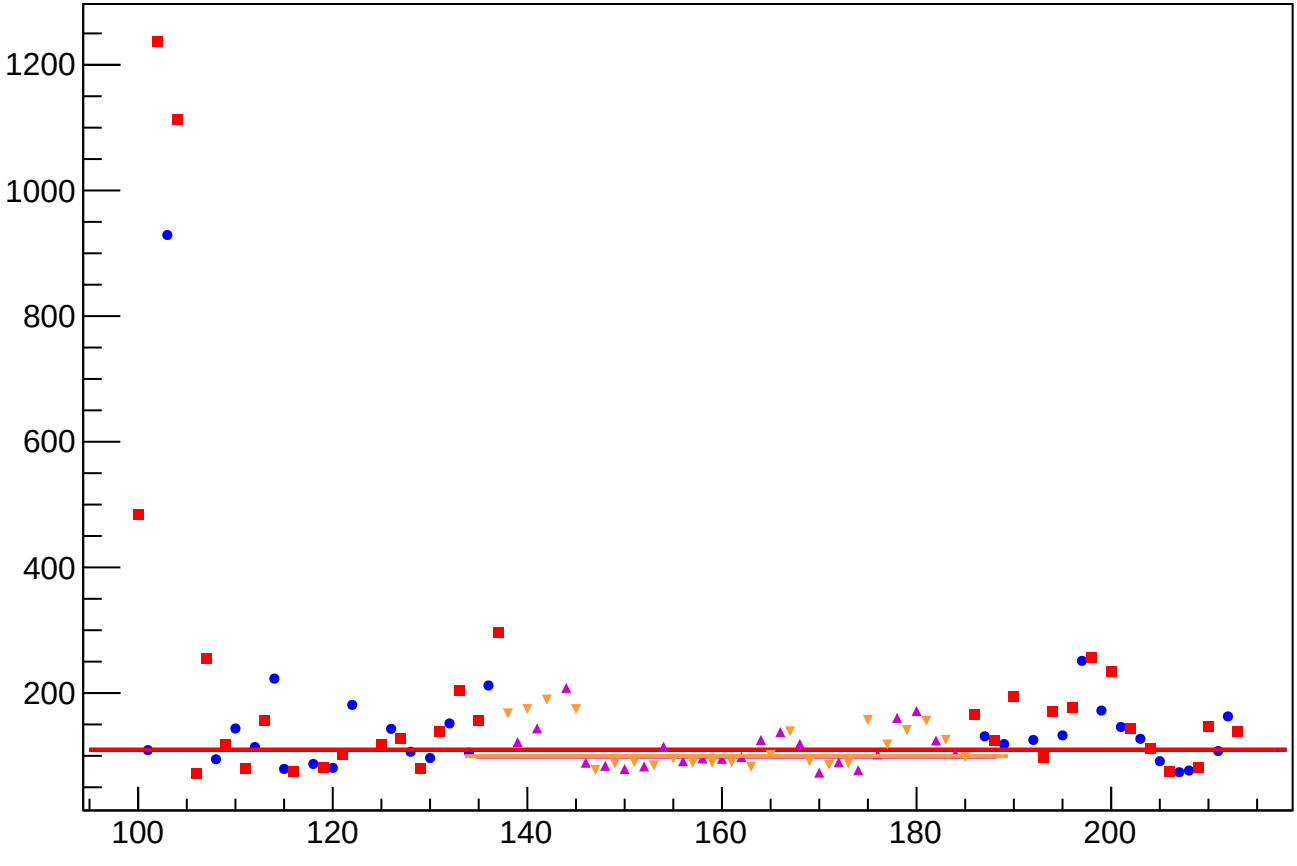
Right: 0.012+/-0.022 χ^2/NDF: 64.6/60

In: -0.007+/-0.019 χ^2/NDF:68.1/51

Out: -0.013+/-0.020 χ^2/NDF:57.4/55

All: -0.010+/-0.014 χ^2/NDF: 125.5/107

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.527+/-0.022 χ^2/NDF: 3359600.0/28

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

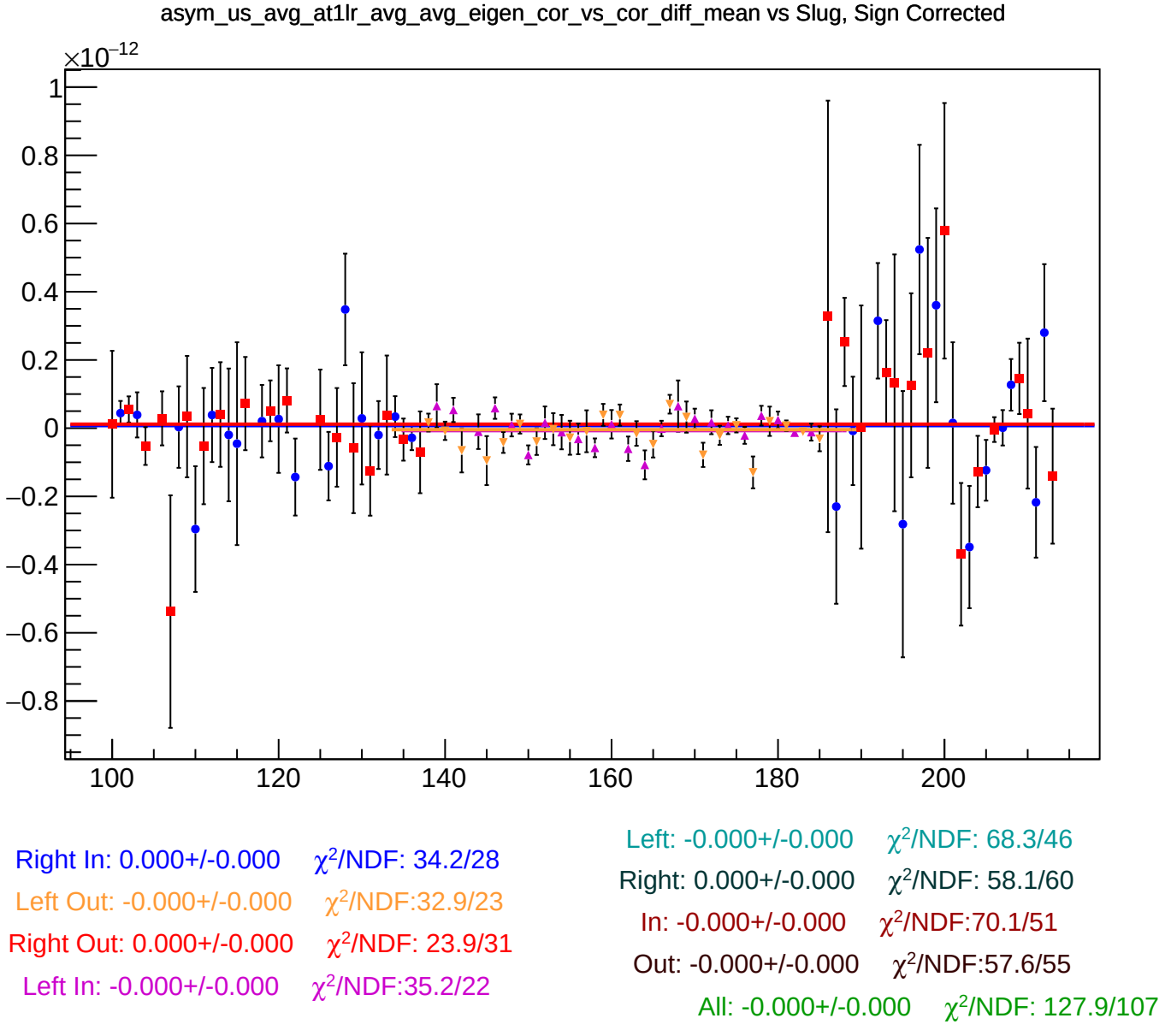
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

Right: 109.770+/-0.015 χ^2/NDF: 8353350.1/60

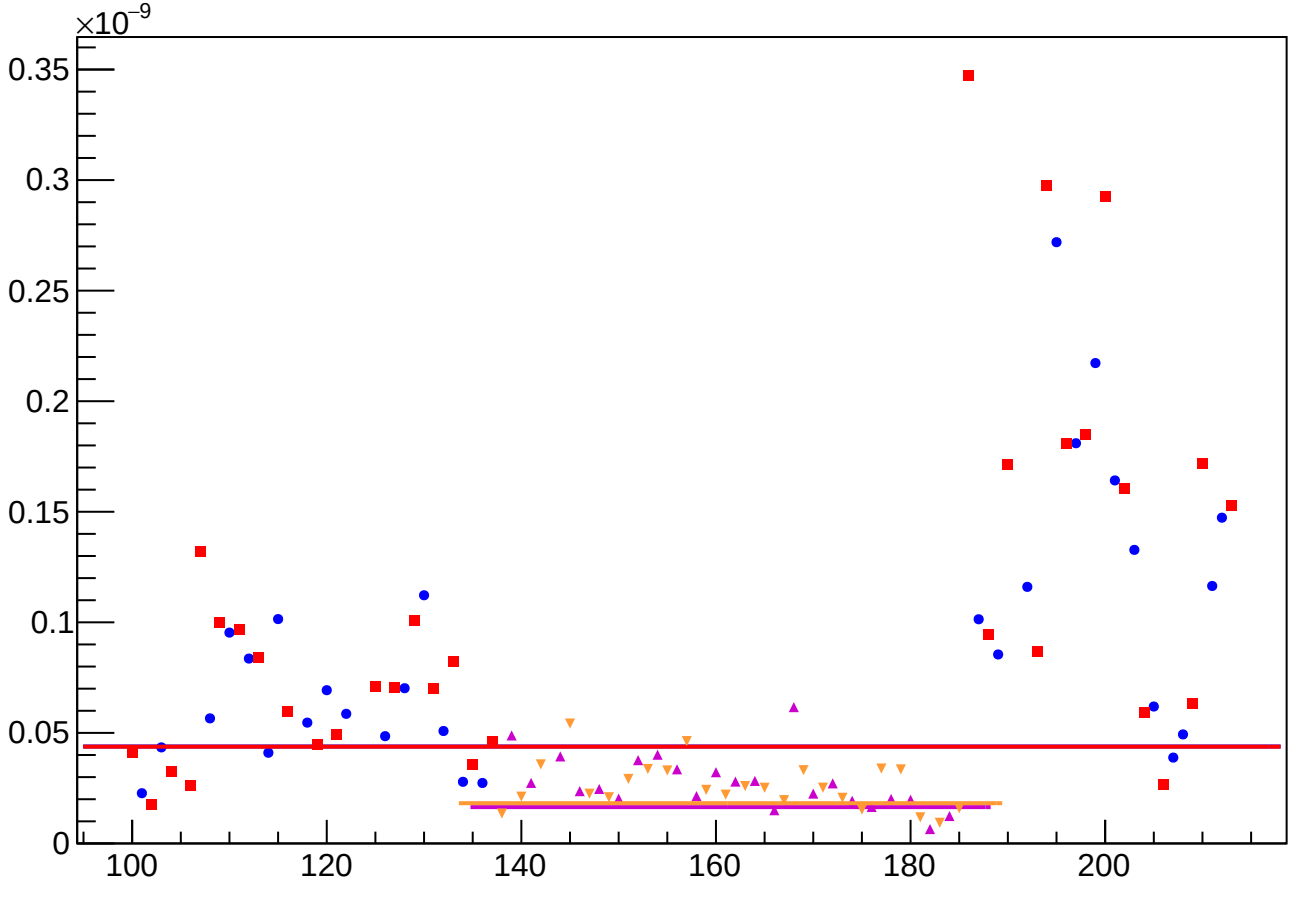
In: 103.011+/-0.014 χ^2/NDF:5513061.7/51

Out: 103.810+/-0.014 χ^2/NDF:7201623.5/55

All: 103.408+/-0.010 χ^2/NDF: 12716365.8/10


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: 34.2/28
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: 58.1/60
In: -0.000+/-0.000 χ²/NDF:70.1/51
Out: -0.000+/-0.000 χ²/NDF:57.6/55
All: -0.000+/-0.000 χ²/NDF: 127.9/107

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: 6560655.6/28

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

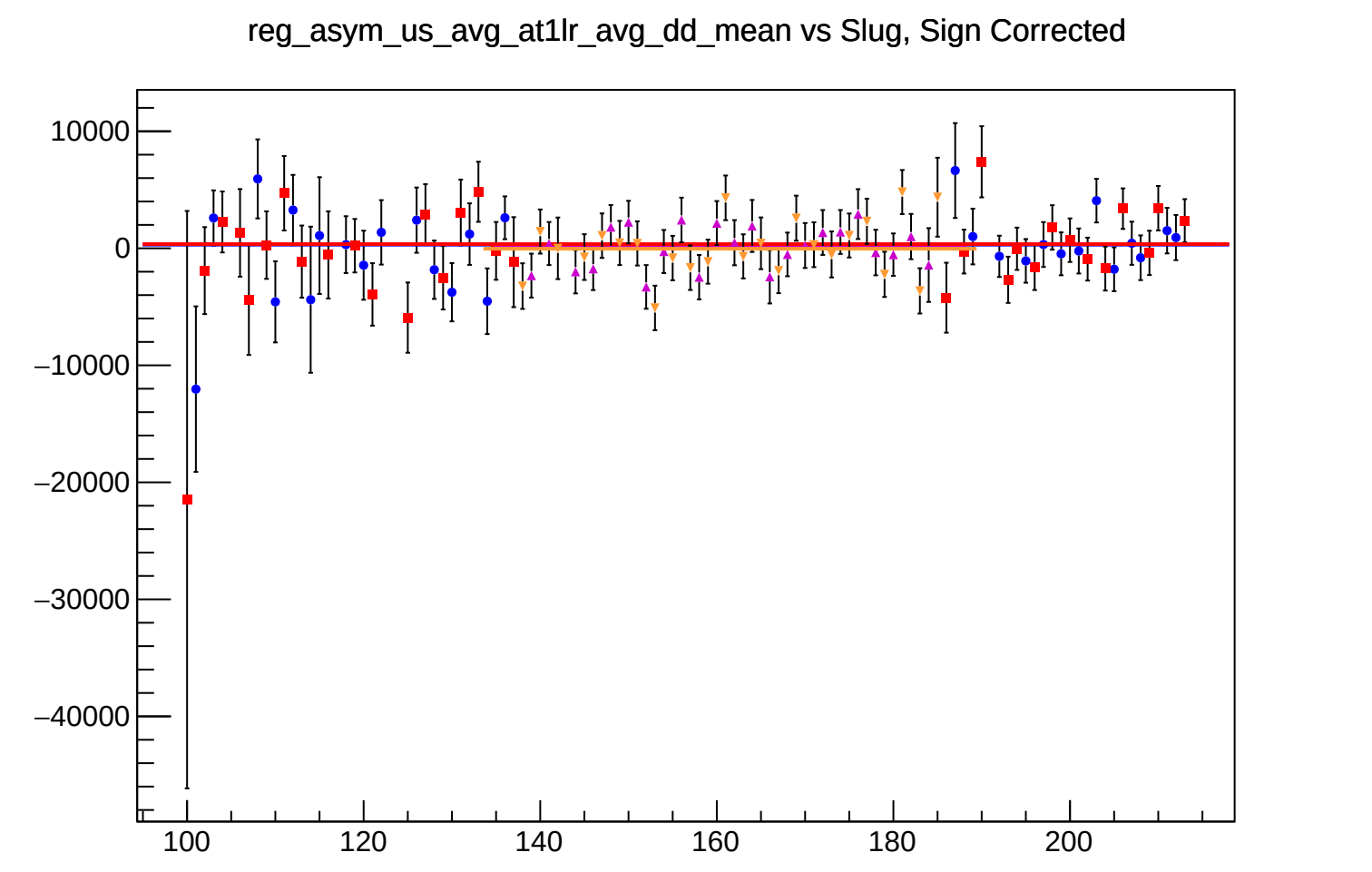
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

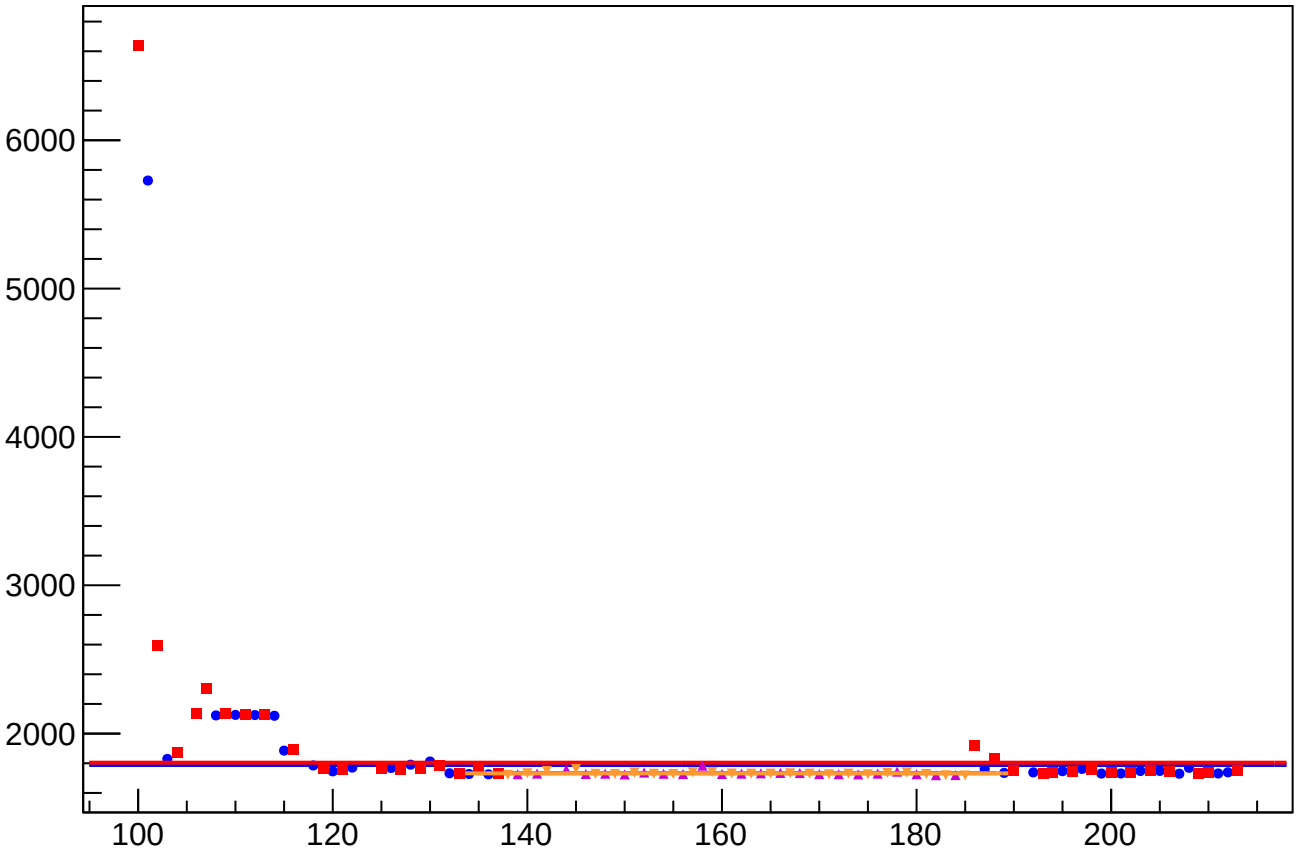
Right: 0.000+/-0.000 χ^2/NDF: 15195403.5/60

In: 0.000+/-0.000 χ^2/NDF:18486847.0/51

Out: 0.000+/-0.000 χ^2/NDF:16825165.3/55

All: 0.000+/-0.000 χ^2/NDF: 35412900.0/107


reg_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: 311.430+/-432.531 χ²/NDF: 29.3/28
Left Out: -34.799+/-401.970 χ²/NDF:35.4/23
Right Out: 357.779+/-421.197 χ²/NDF: 38.8/31
Left In: 52.796+/-404.703 χ²/NDF:19.4/22
Left: 8.702+/-285.197 χ²/NDF: 54.8/46
Right: 335.219+/-301.759 χ²/NDF: 68.1/60
In: 173.526+/-295.517 χ²/NDF:48.8/51
Out: 152.326+/-290.796 χ²/NDF:74.6/55
All: 162.755+/-207.273 χ²/NDF: 123.5/107



Right In: 1788.322+/-0.306 χ^2/NDF: 711081.3/28

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

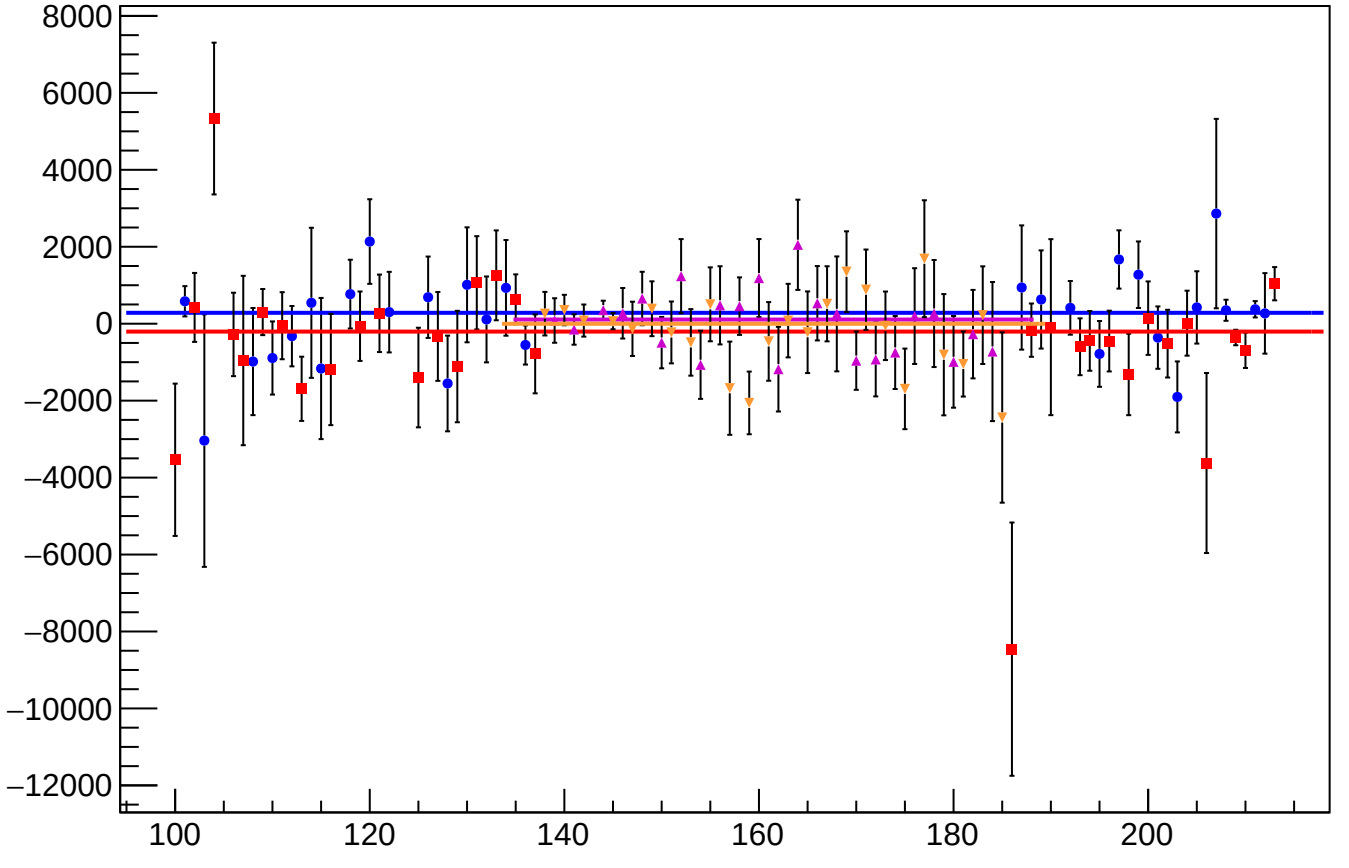
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1796.369+/-0.213 χ^2/NDF: 1025182.2/60

In: 1758.992+/-0.209 χ^2/NDF:730558.8/51

Out: 1766.311+/-0.206 χ^2/NDF:344287.2/55

All: 1762.711+/-0.147 χ^2/NDF: 1075469.3/10



Right In: 283.160+/-120.719 χ^2/NDF: 28.0/28

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

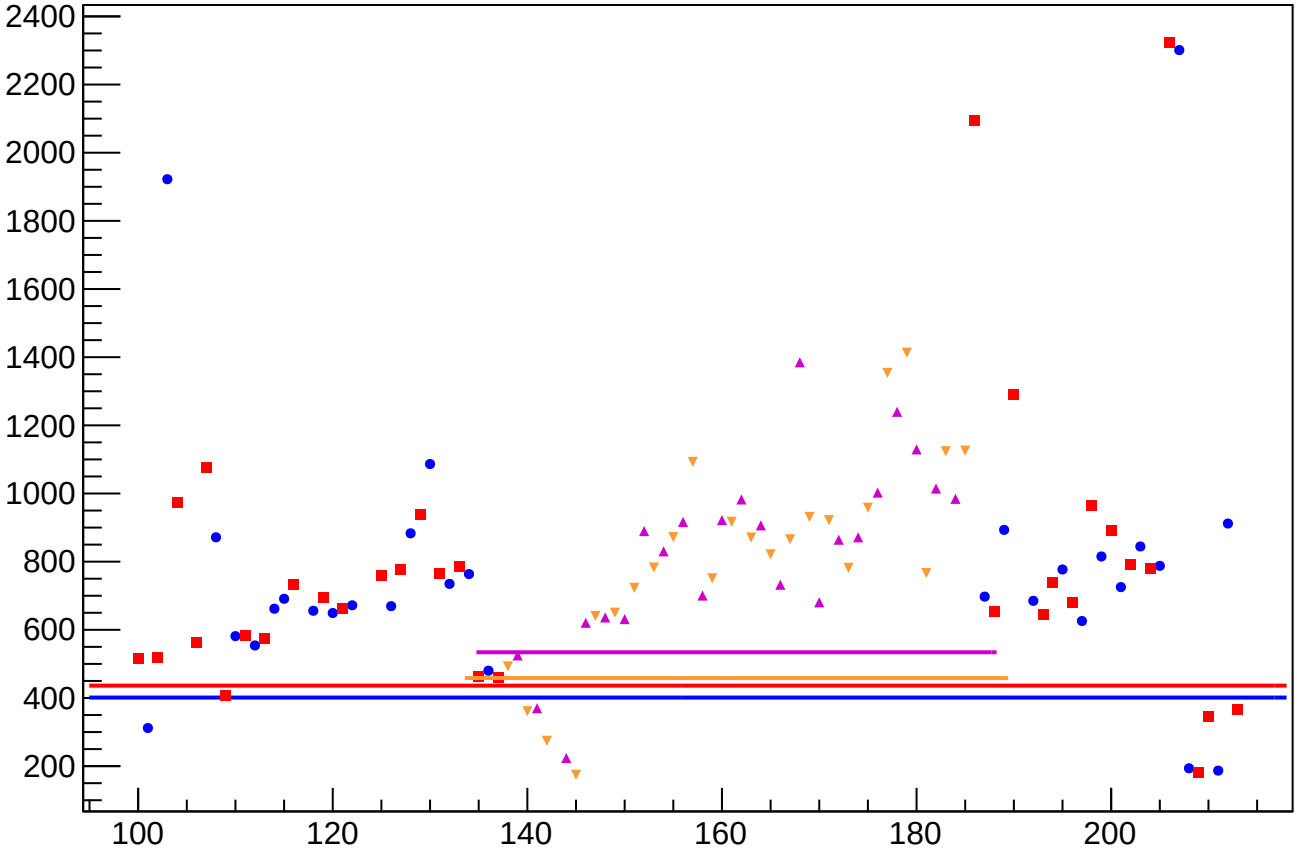
Right: 46.343+/-86.619 χ^2/NDF: 78.2/60

In: 210.622+/-92.329 χ^2/NDF:45.9/51

Out: -108.218+/-89.880 χ^2/NDF:63.8/55

All: 46.918+/-64.403 χ^2/NDF: 115.8/107

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 401.228+/-0.085 χ^2/NDF: 10334705.5/28

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

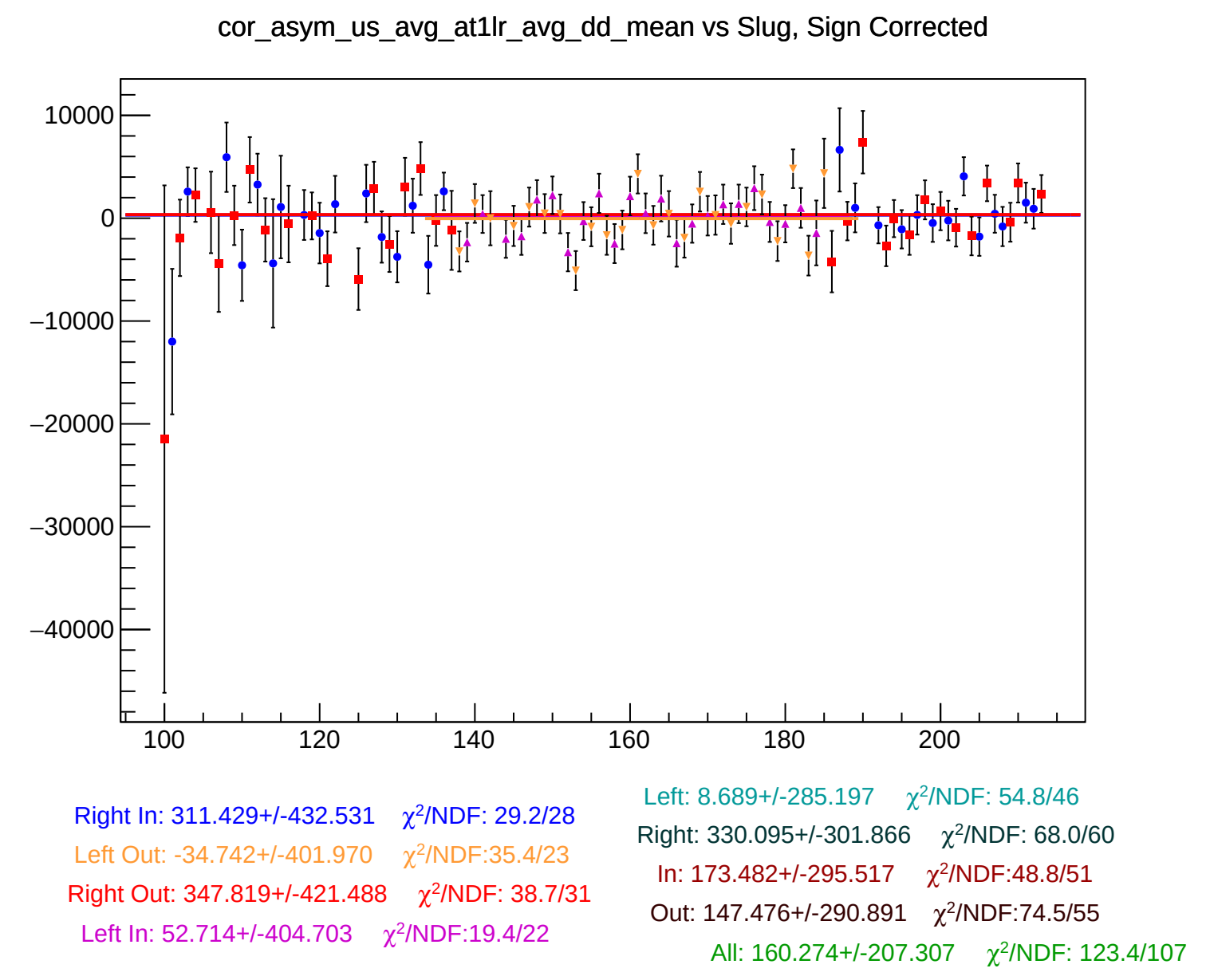
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

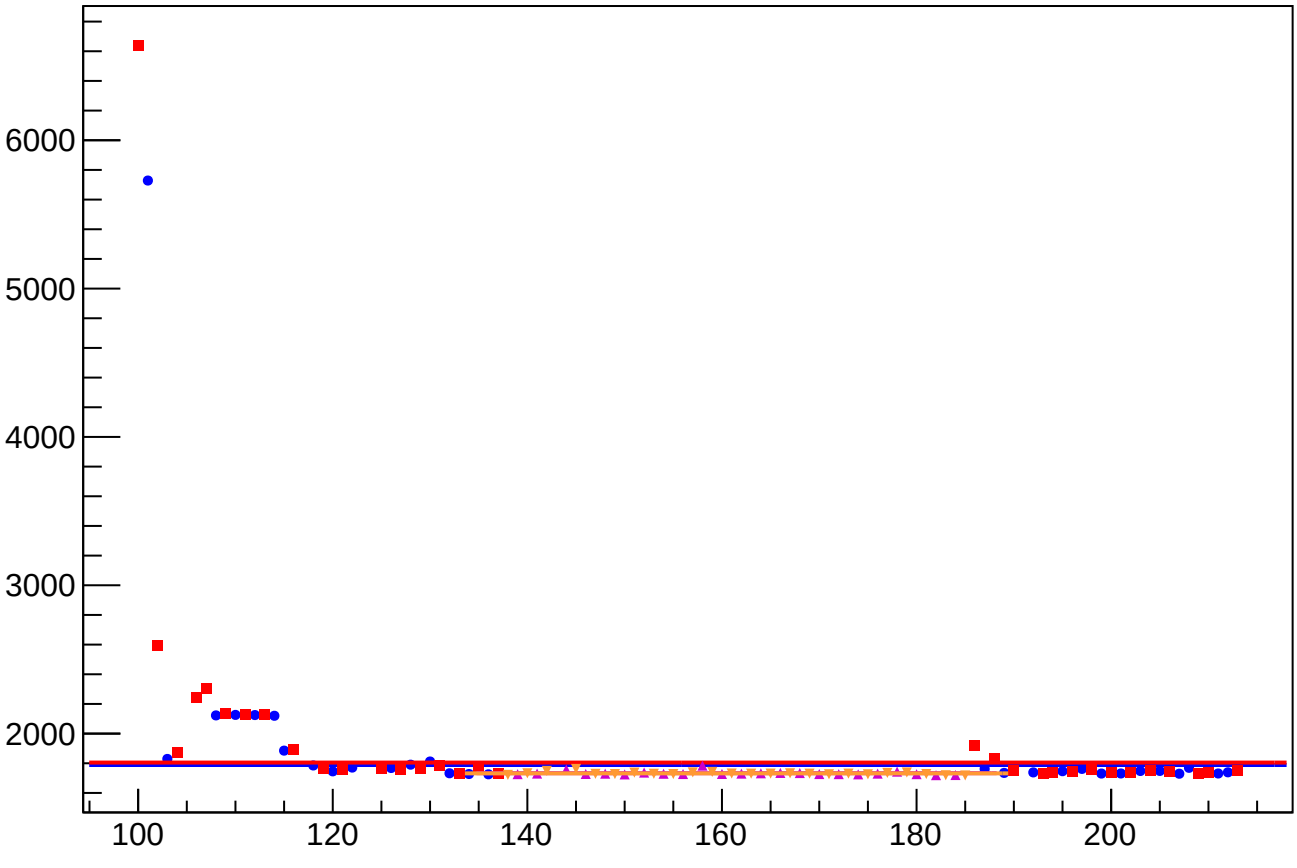
Right: 418.226+/-0.061 χ^2/NDF: 19962345.6/60

In: 456.400+/-0.065 χ^2/NDF:19784557.4/51

Out: 446.923+/-0.064 χ^2/NDF:21003396.9/55

All: 451.534+/-0.046 χ^2/NDF: 40798775.2/10


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: 311.429+/-432.531 χ²/NDF: 29.2/28
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: 330.095+/-301.866 χ²/NDF: 68.0/60
In: 173.482+/-295.517 χ²/NDF:48.8/51
Out: 147.476+/-290.891 χ²/NDF:74.5/55
All: 160.274+/-207.307 χ²/NDF: 123.4/107



Right In: 1788.322+/-0.306 χ^2/NDF: 711081.2/28

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

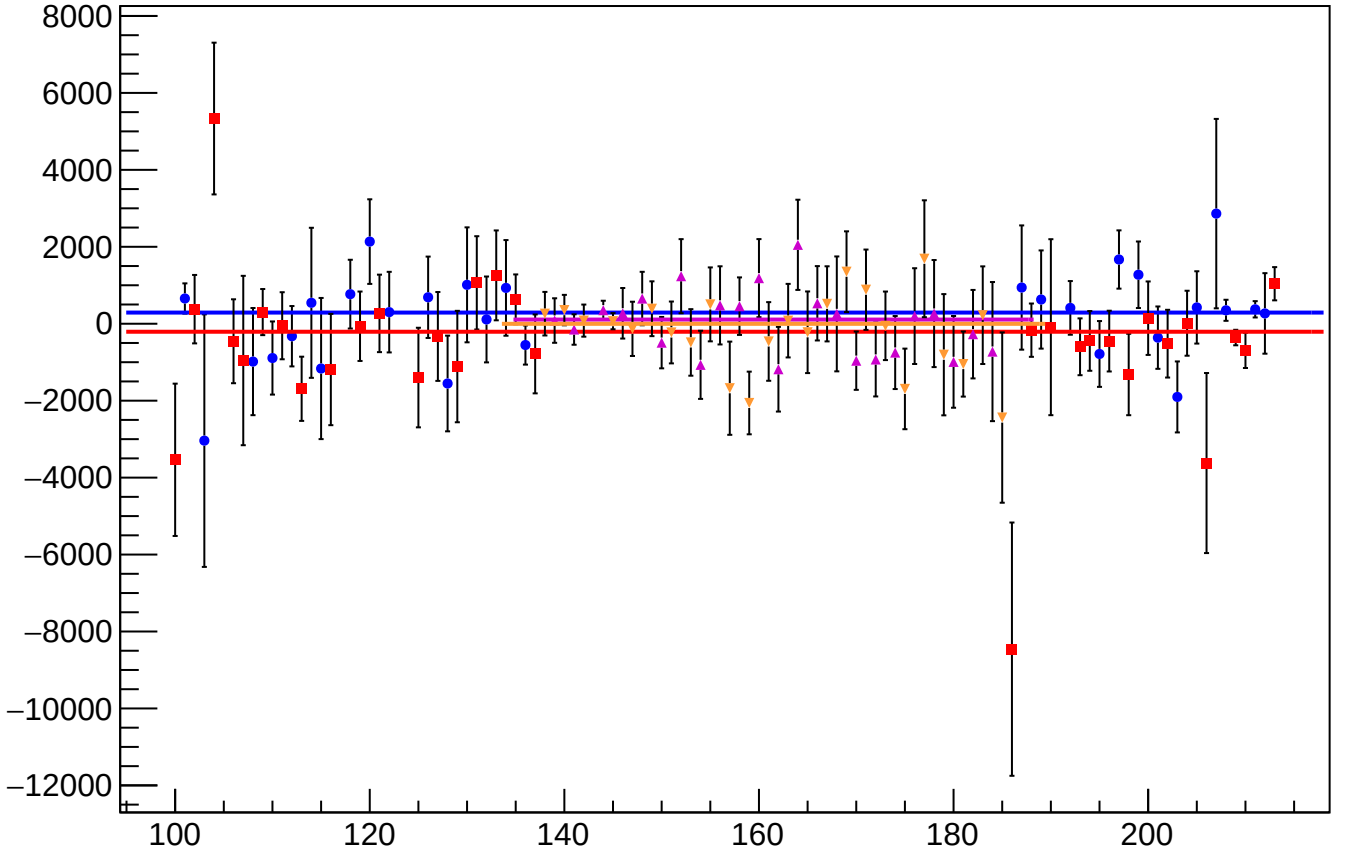
Right: 1796.737+/-0.213 χ^2/NDF: 1033881.8/60

In: 1758.992+/-0.209 χ^2/NDF:730558.6/51

Out: 1766.634+/-0.206 χ^2/NDF:353459.3/55

All: 1762.873+/-0.147 χ^2/NDF: 1084697.1/10

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 290.178+/-120.700 χ^2/NDF: 28.3/28

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

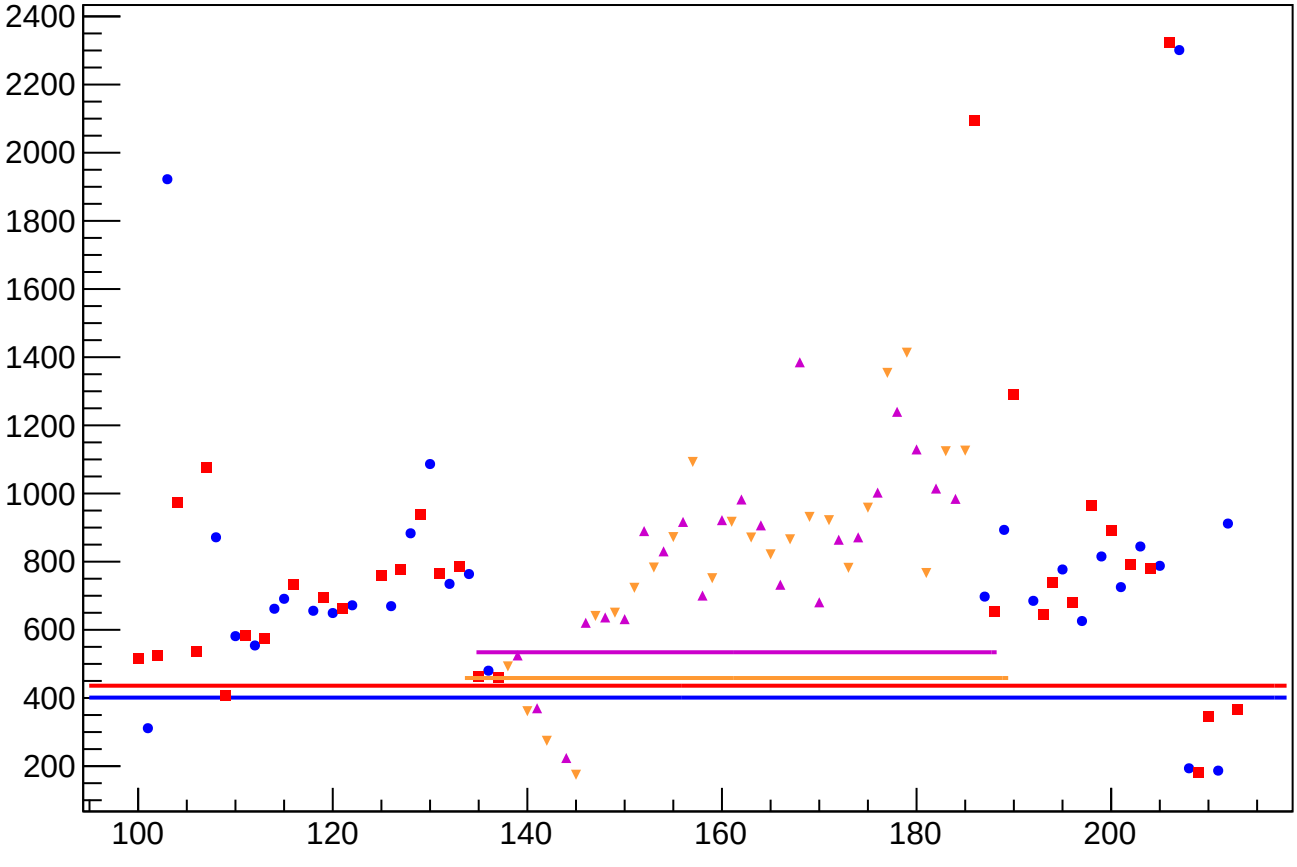
Right: 48.487+/-86.609 χ^2/NDF: 78.8/60

In: 214.729+/-92.321 χ^2/NDF:46.3/51

Out: -109.886+/-89.876 χ^2/NDF:63.8/55

All: 48.067+/-64.399 χ^2/NDF: 116.4/107

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 401.133+/-0.085 χ^2/NDF: 10337175.2/28

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

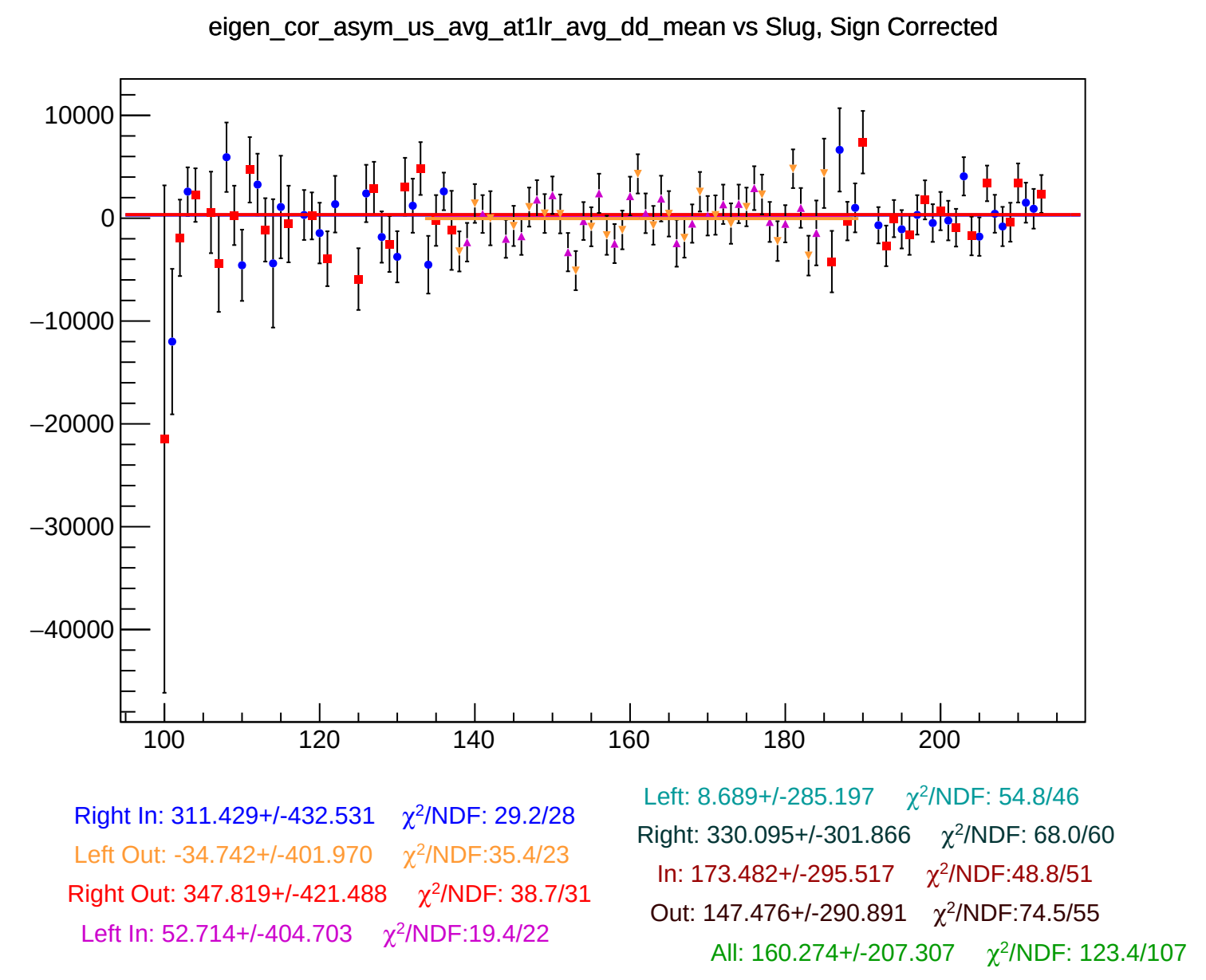
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

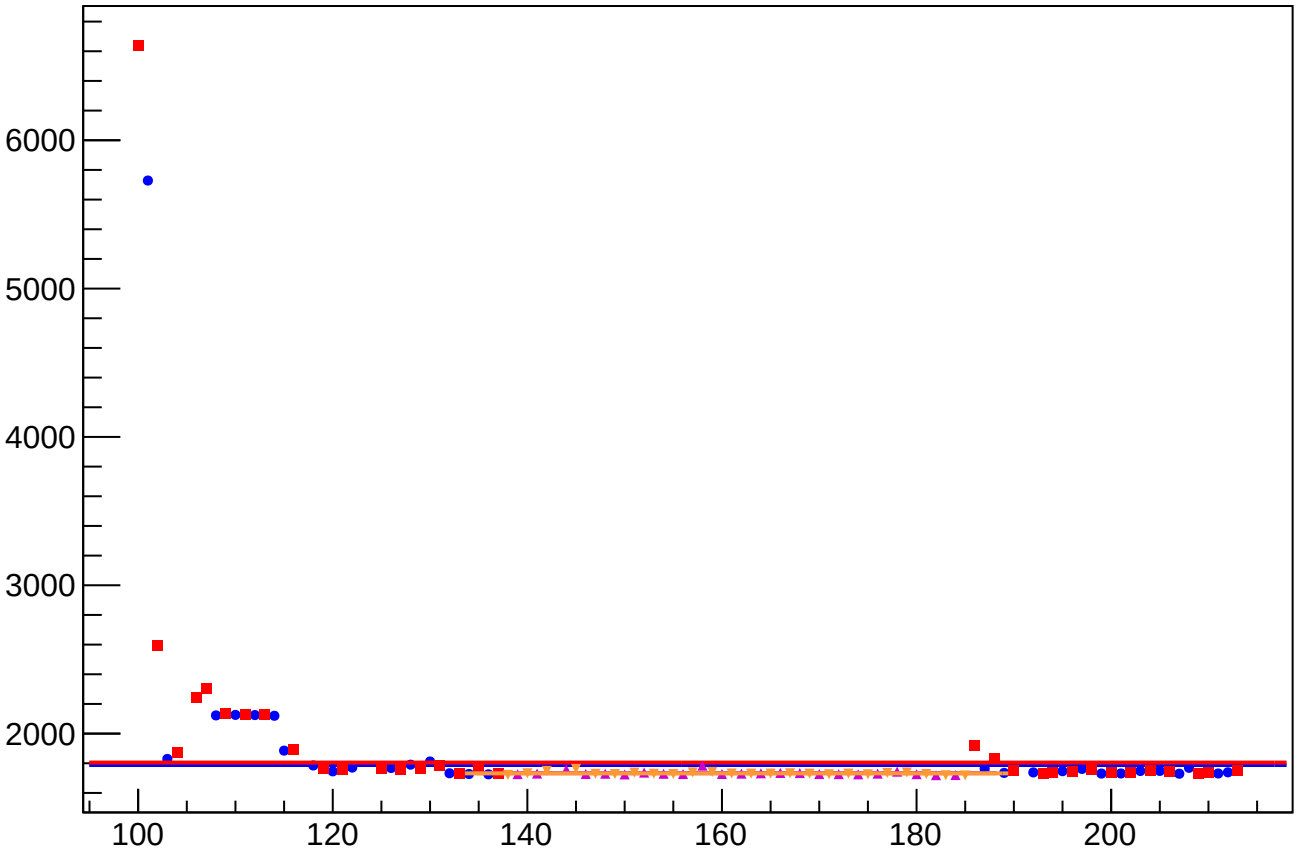
Right: 418.062+/-0.061 χ^2/NDF: 19957581.5/60

In: 456.339+/-0.065 χ^2/NDF:19788215.9/51

Out: 446.804+/-0.064 χ^2/NDF:20997065.3/55

All: 451.443+/-0.046 χ^2/NDF: 40796234.4/10


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: 311.429+/-432.531 χ²/NDF: 29.2/28
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: 330.095+/-301.866 χ²/NDF: 68.0/60
In: 173.482+/-295.517 χ²/NDF:48.8/51
Out: 147.476+/-290.891 χ²/NDF:74.5/55
All: 160.274+/-207.307 χ²/NDF: 123.4/107



Right In: 1788.322+/-0.306 χ^2/NDF: 711081.2/28

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

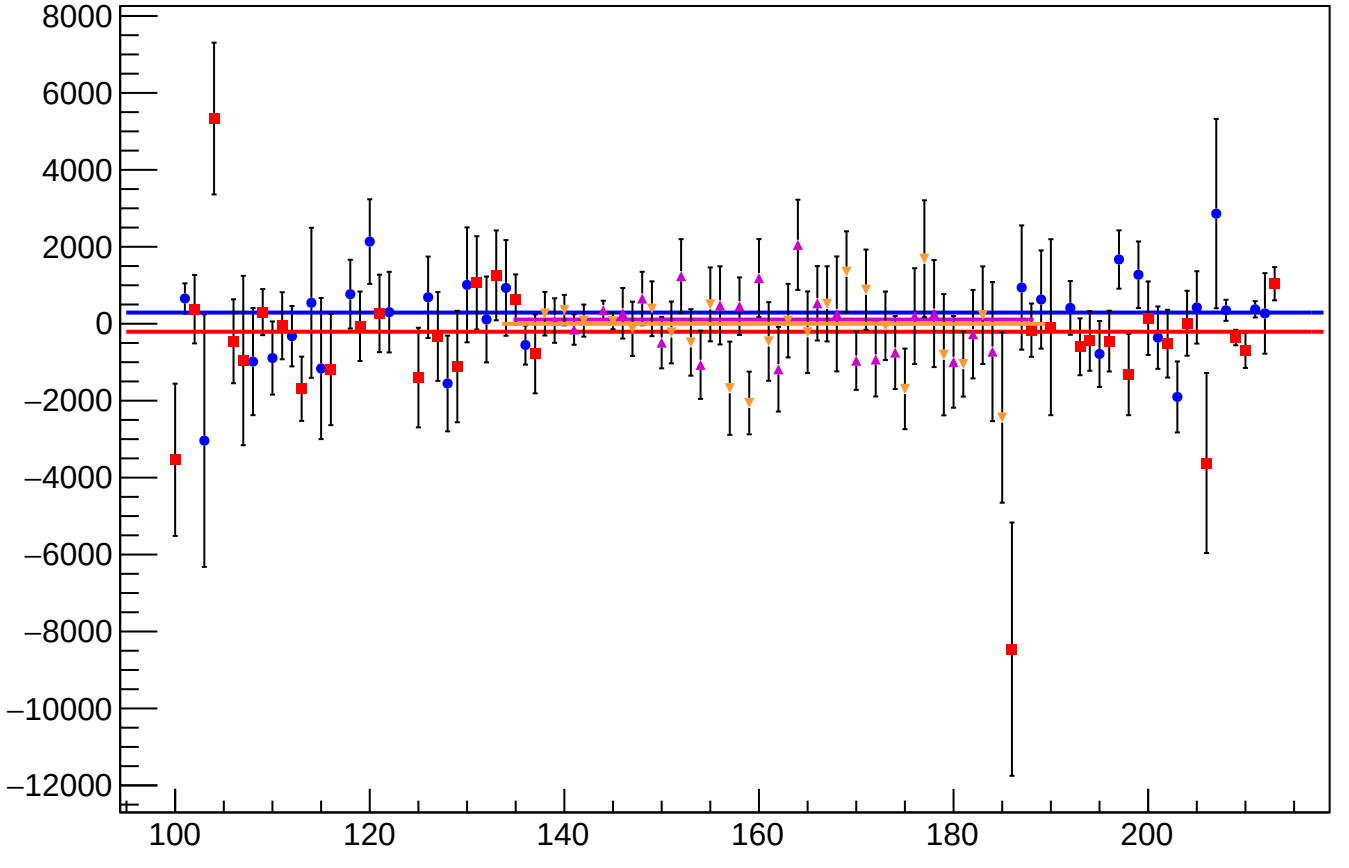
Right: 1796.737+/-0.213 χ^2/NDF: 1033881.8/60

In: 1758.992+/-0.209 χ^2/NDF:730558.6/51

Out: 1766.634+/-0.206 χ^2/NDF:353459.3/55

All: 1762.873+/-0.147 χ^2/NDF: 1084697.1/10

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 290.178+/-120.700 χ^2/NDF: 28.3/28

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

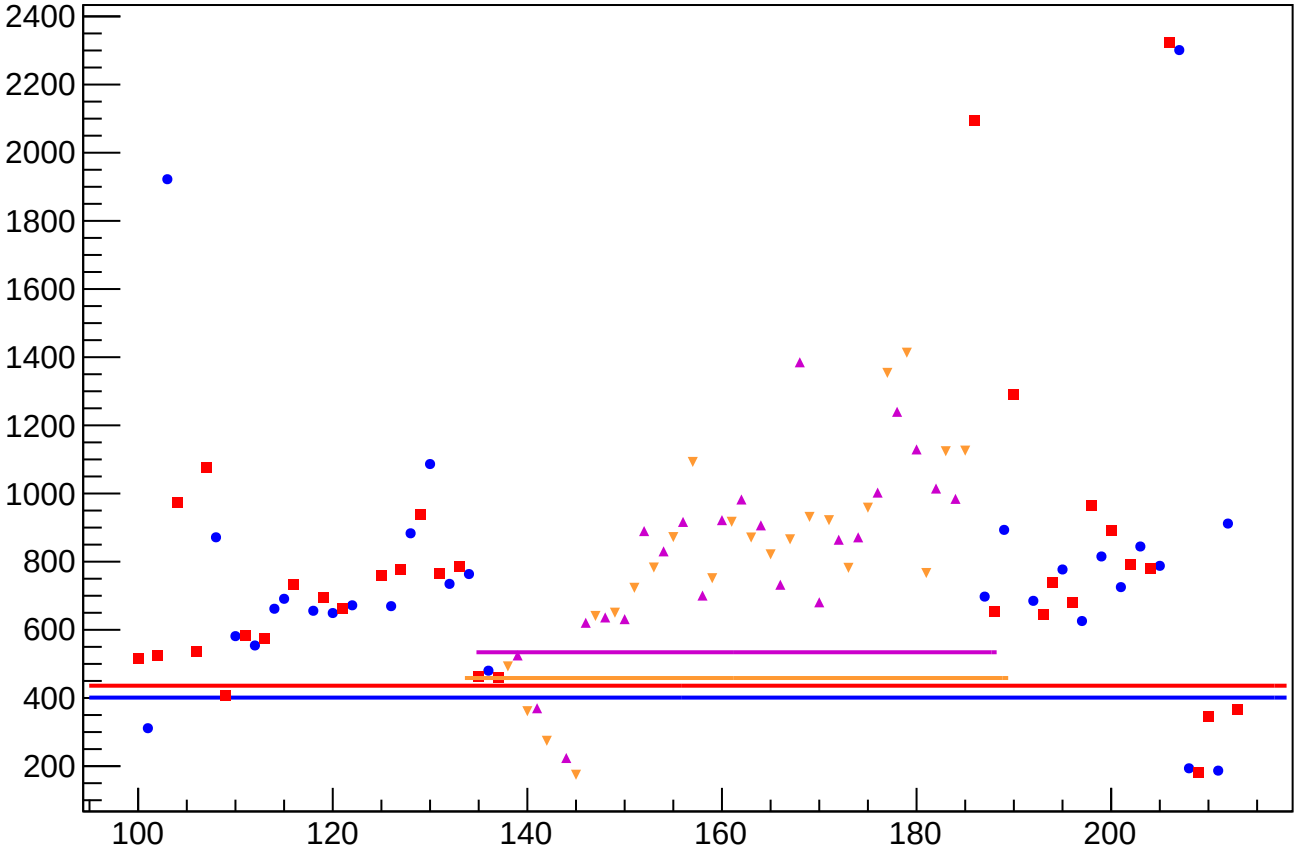
Right: 48.487+/-86.609 χ^2/NDF: 78.8/60

In: 214.729+/-92.321 χ^2/NDF:46.3/51

Out: -109.886+/-89.876 χ^2/NDF:63.8/55

All: 48.067+/-64.399 χ^2/NDF: 116.4/107

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 401.133+/-0.085 χ^2/NDF: 10337175.2/28

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

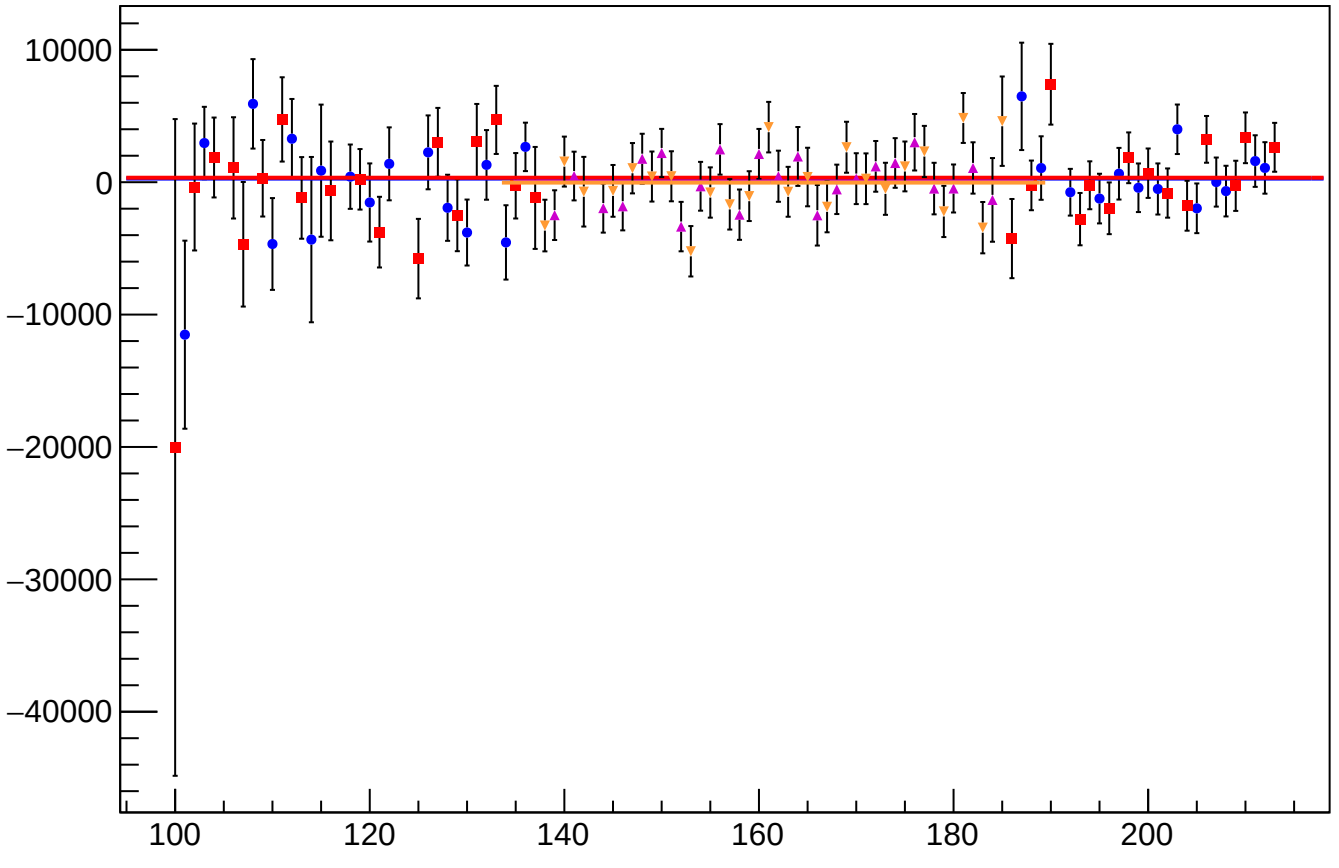
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 418.062+/-0.061 χ^2/NDF: 19957581.5/60

In: 456.339+/-0.065 χ^2/NDF:19788215.9/51

Out: 446.804+/-0.064 χ^2/NDF:20997065.3/55

All: 451.443+/-0.046 χ^2/NDF: 40796234.4/10



Right In: 273.088+/-435.772 χ^2/NDF: 29.5/28

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

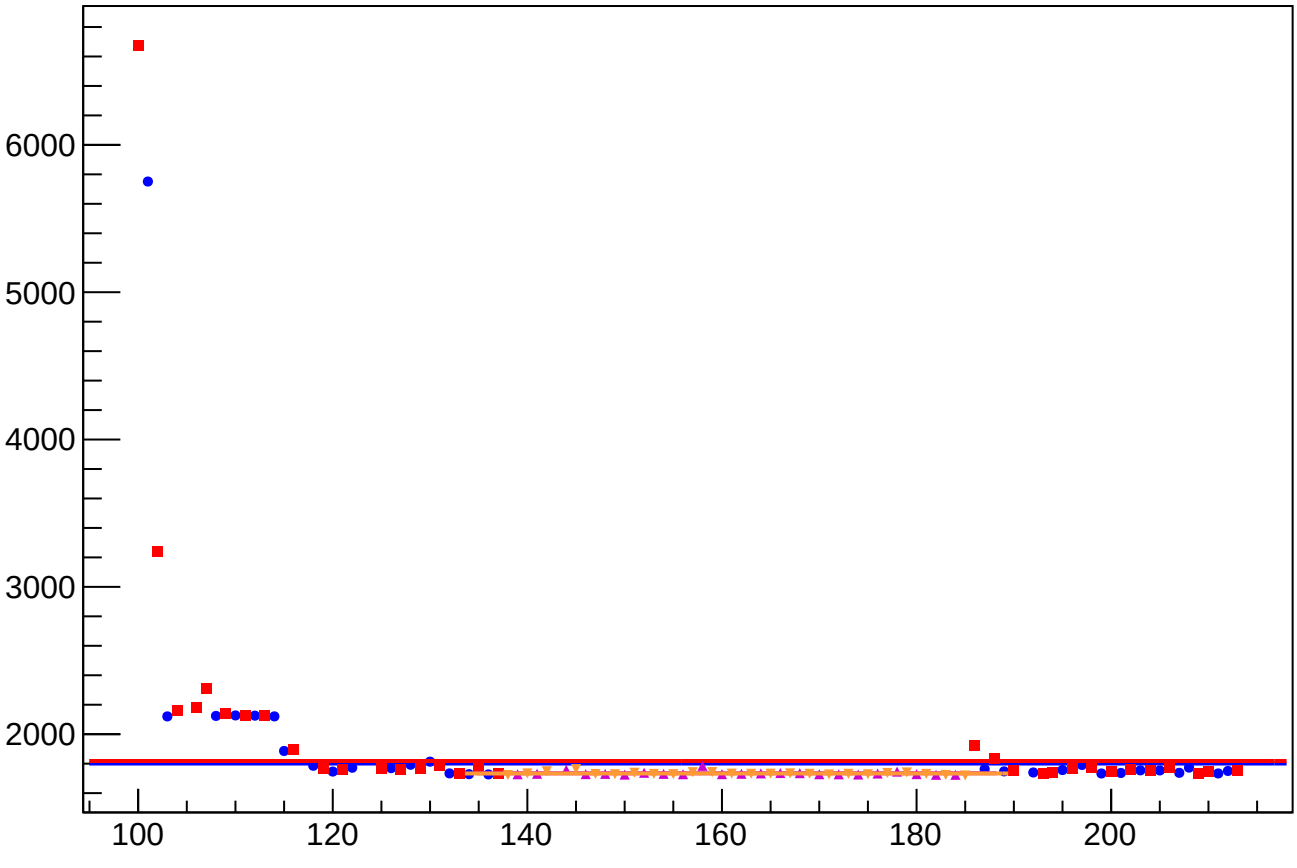
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 306.352+/-304.489 χ^2/NDF: 67.5/60

In: 149.361+/-296.681 χ^2/NDF:49.5/51

Out: 144.009+/-292.376 χ^2/NDF:73.8/55

All: 146.646+/-208.247 χ^2/NDF: 123.4/107



Right In: 1800.991+/-0.308 χ^2/NDF: 736884.4/28

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

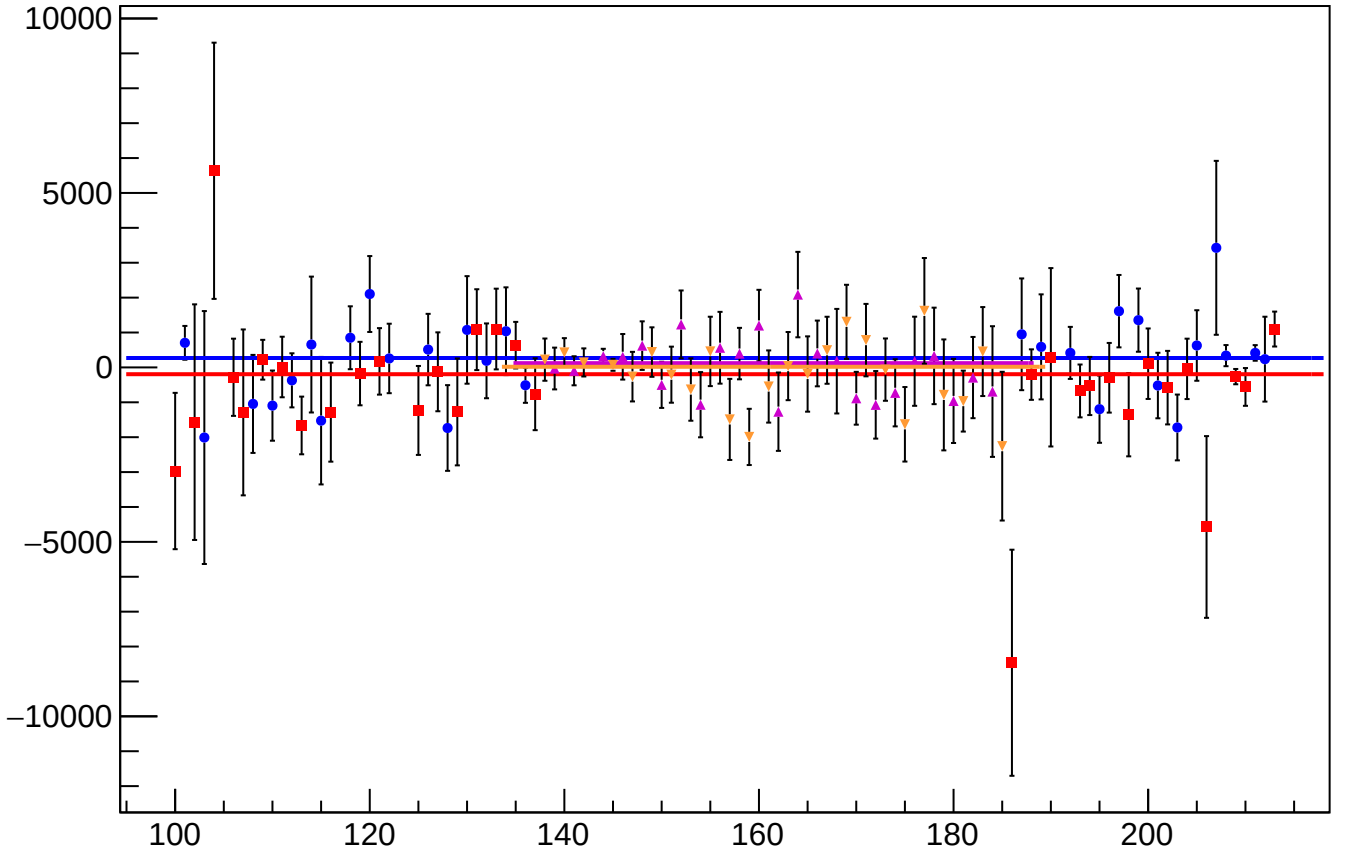
Right: 1809.759+/-0.215 χ^2/NDF: 1160809.8/60

In: 1765.486+/-0.210 χ^2/NDF:763808.1/51

Out: 1773.419+/-0.207 χ^2/NDF:465019.0/55

All: 1769.510+/-0.147 χ^2/NDF: 1229552.6/10

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 269.663+/-129.701 χ^2/NDF: 27.7/28

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

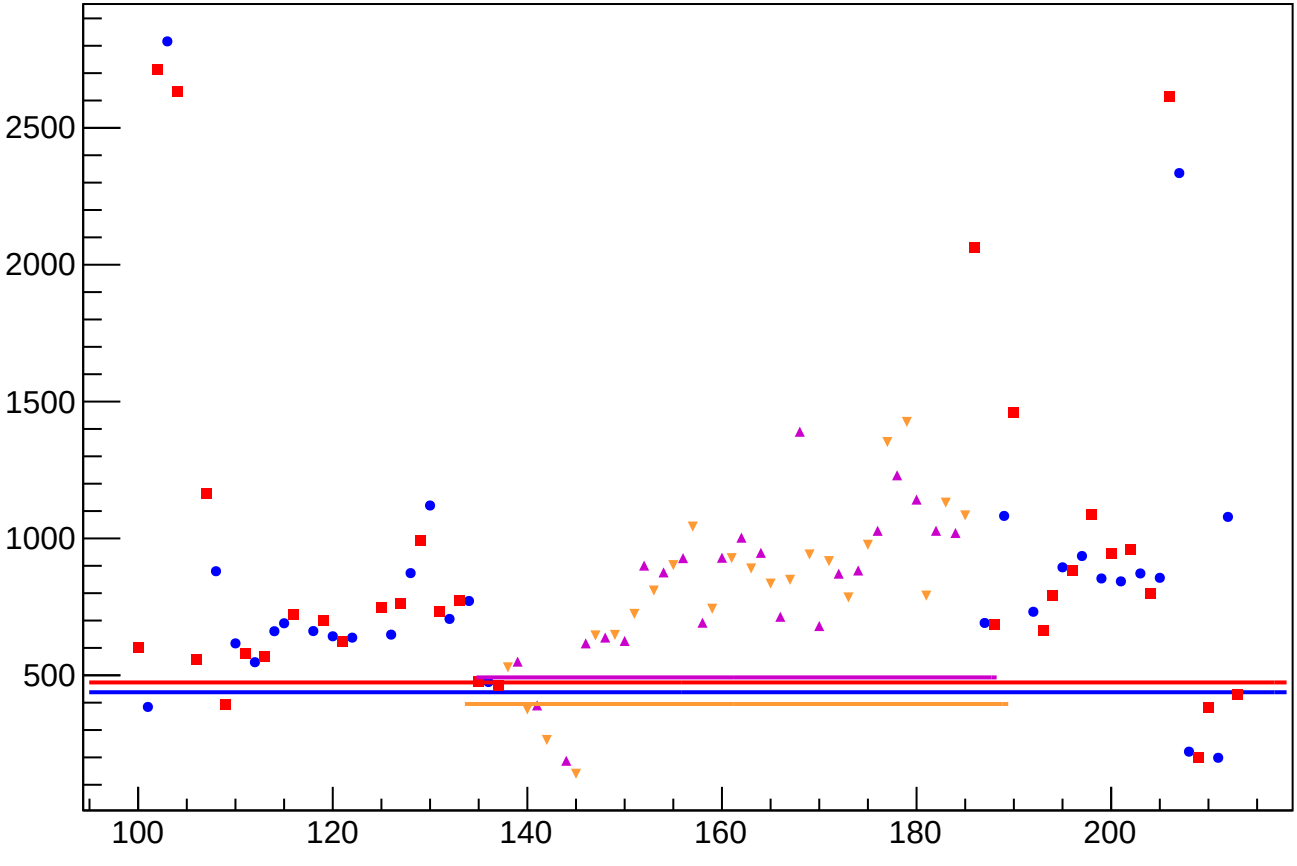
Right: 46.142+/-93.415 χ^2/NDF: 66.7/60

In: 199.811+/-94.236 χ^2/NDF:44.8/51

Out: -75.587+/-89.310 χ^2/NDF:53.6/55

All: 54.726+/-64.823 χ^2/NDF: 102.9/107

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 438.053+/-0.092 χ^2/NDF: 10758183.8/28

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

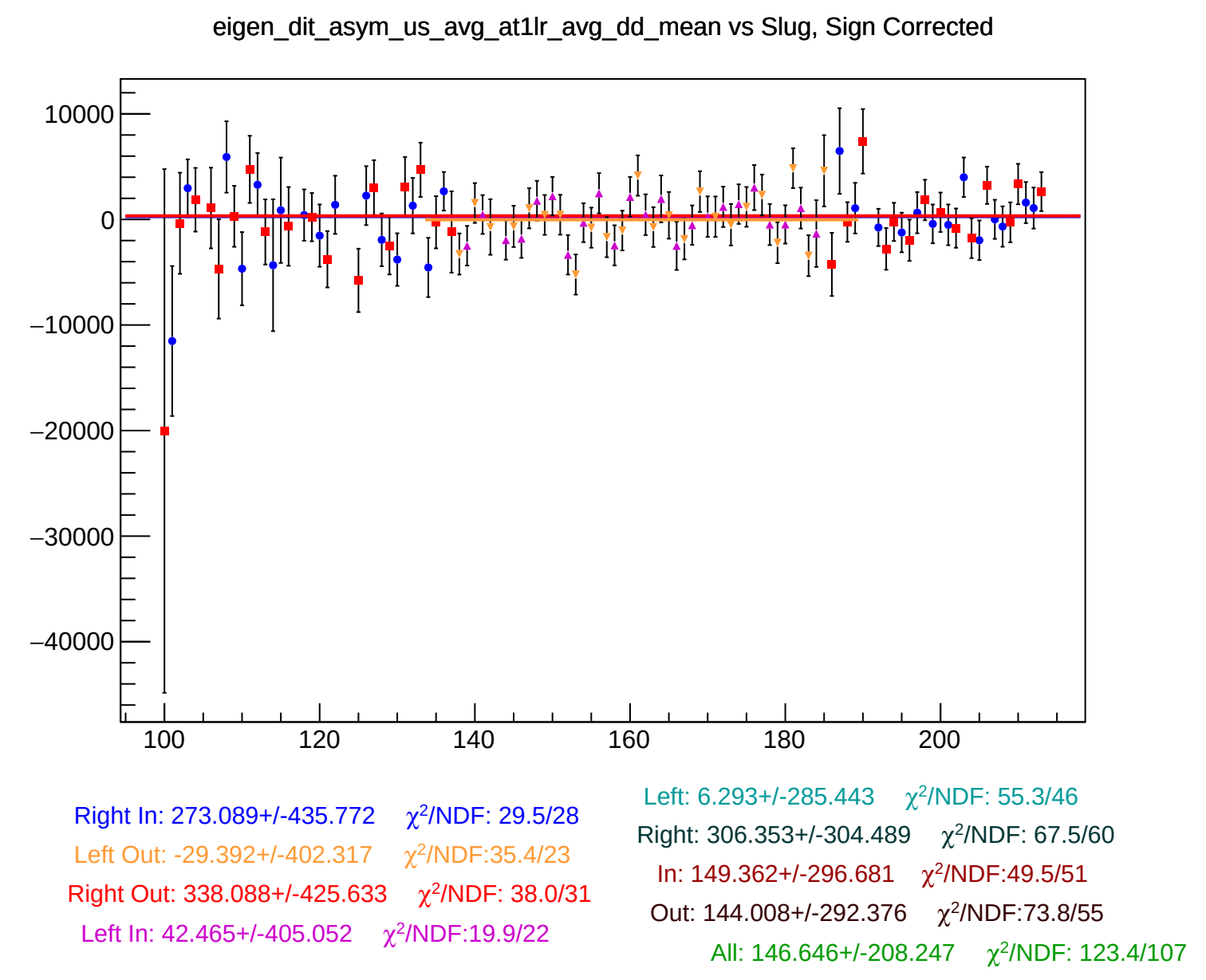
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

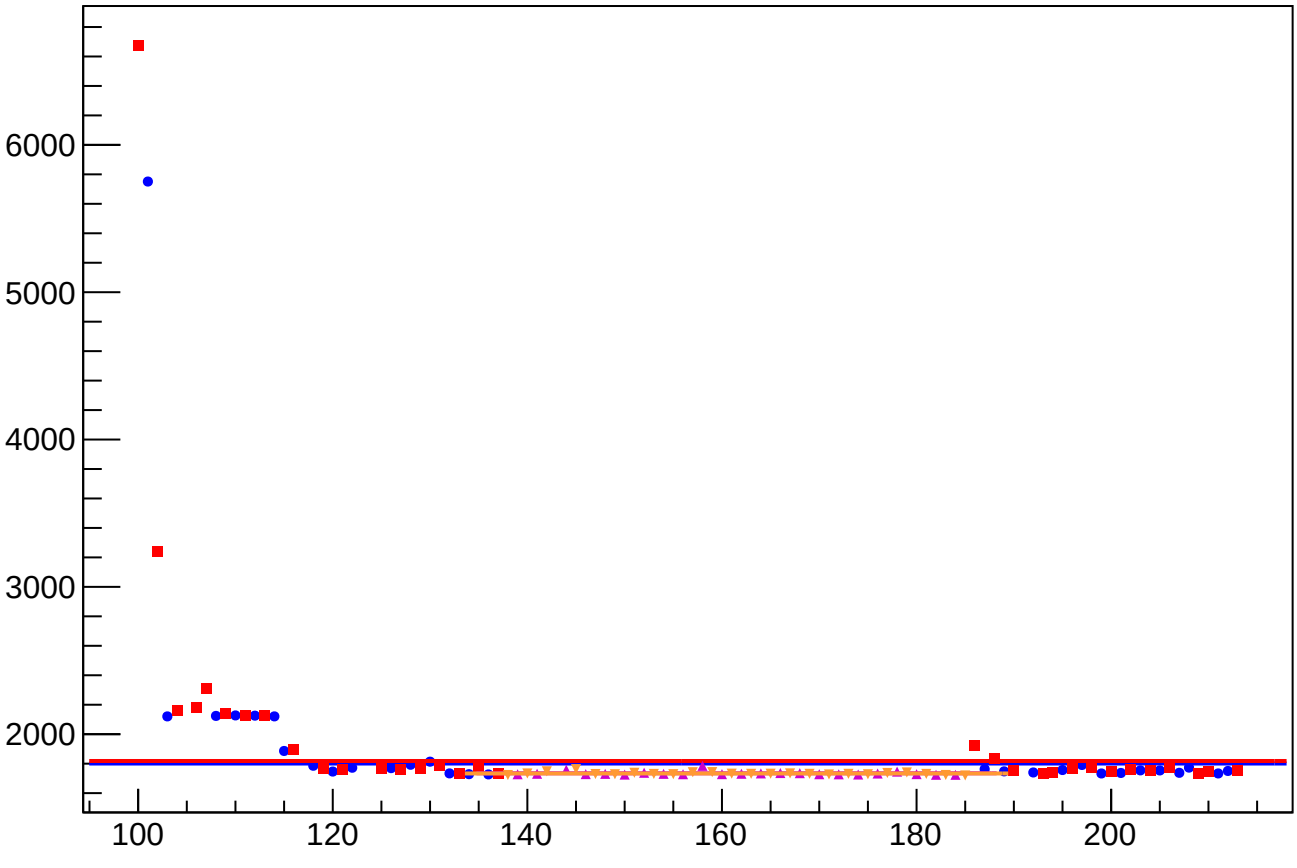
Right: 455.285+/-0.066 χ^2/NDF: 21515185.0/60

In: 463.661+/-0.067 χ^2/NDF:21342817.9/51

Out: 429.795+/-0.063 χ^2/NDF:25400432.3/55

All: 445.820+/-0.046 χ^2/NDF: 46879331.0/10


eigen_dit_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: 273.089+/-435.772 χ²/NDF: 29.5/28
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: 338.088+/-425.633 χ²/NDF: 38.0/31
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 306.353+/-304.489 χ²/NDF: 67.5/60
In: 149.362+/-296.681 χ²/NDF:49.5/51
Out: 144.008+/-292.376 χ²/NDF:73.8/55
All: 146.646+/-208.247 χ²/NDF: 123.4/107



Right In: 1800.991+/-0.308 χ^2/NDF: 736884.0/28

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

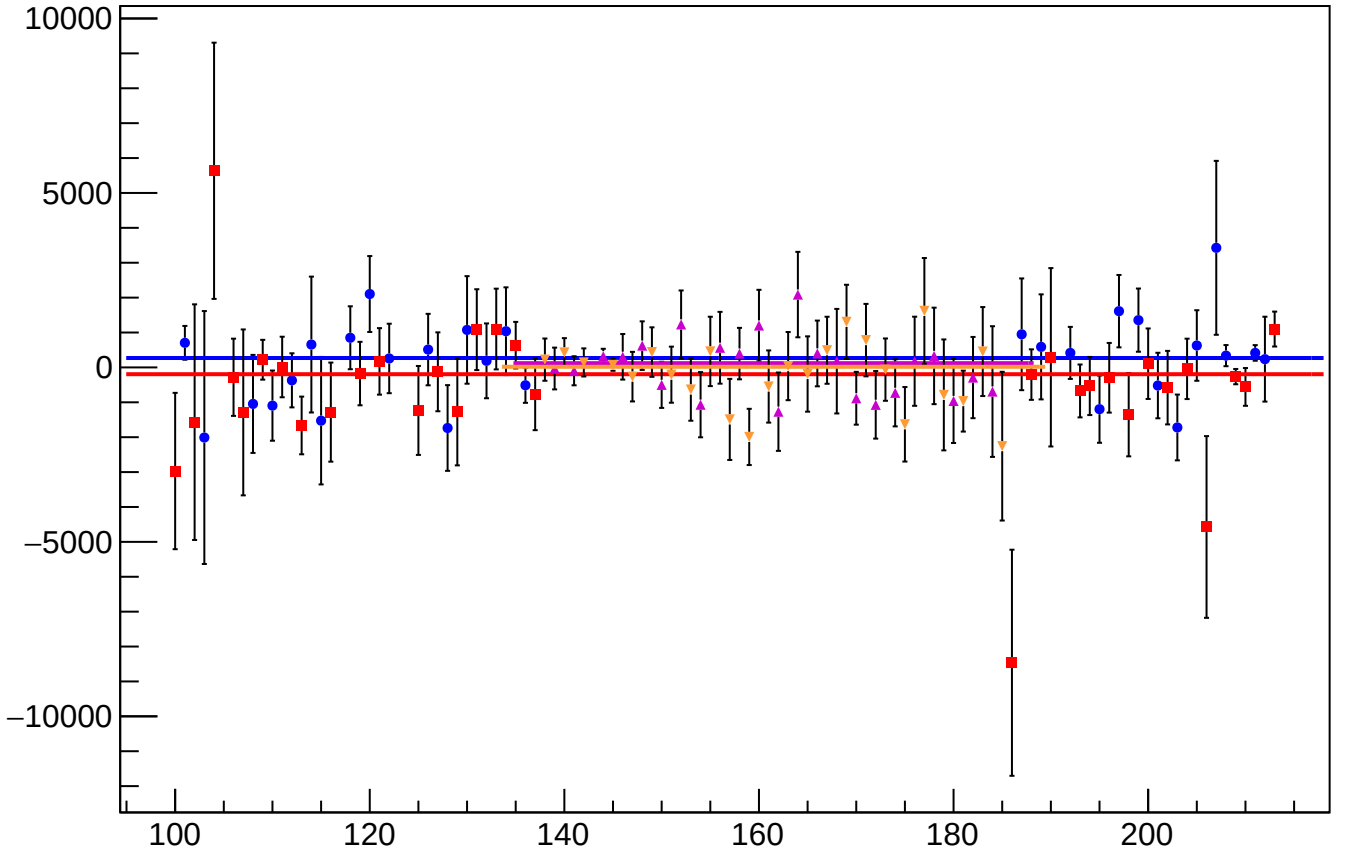
Right: 1809.759+/-0.215 χ^2/NDF: 1160808.4/60

In: 1765.486+/-0.210 χ^2/NDF:763807.7/51

Out: 1773.419+/-0.207 χ^2/NDF:465018.1/55

All: 1769.510+/-0.147 χ^2/NDF: 1229551.3/10

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 269.662+/-129.701 χ^2/NDF: 27.7/28

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

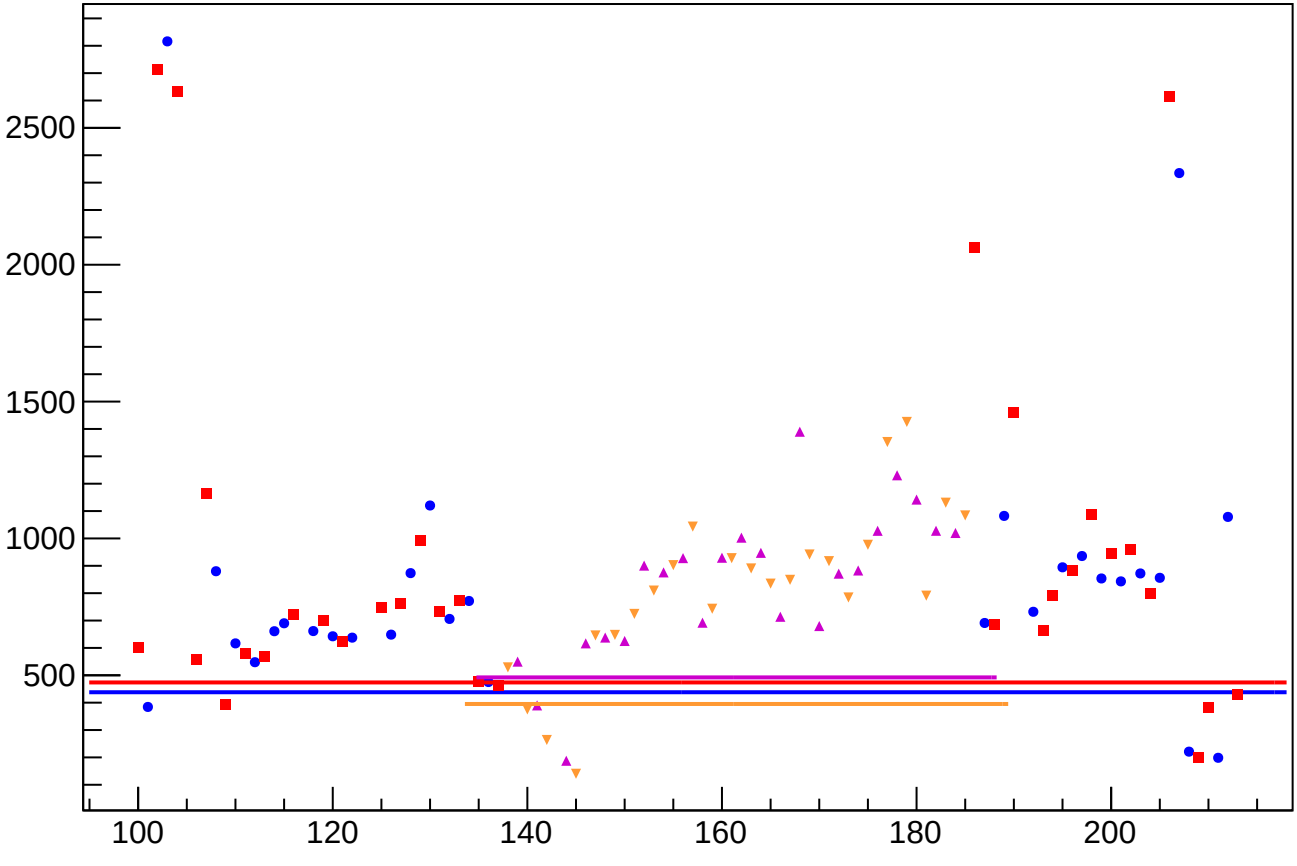
Right: 46.141+/-93.415 χ^2/NDF: 66.7/60

In: 199.811+/-94.236 χ^2/NDF:44.8/51

Out: -75.587+/-89.310 χ^2/NDF:53.6/55

All: 54.726+/-64.823 χ^2/NDF: 102.9/107

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 438.054+/-0.092 χ^2/NDF: 10758114.0/28

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

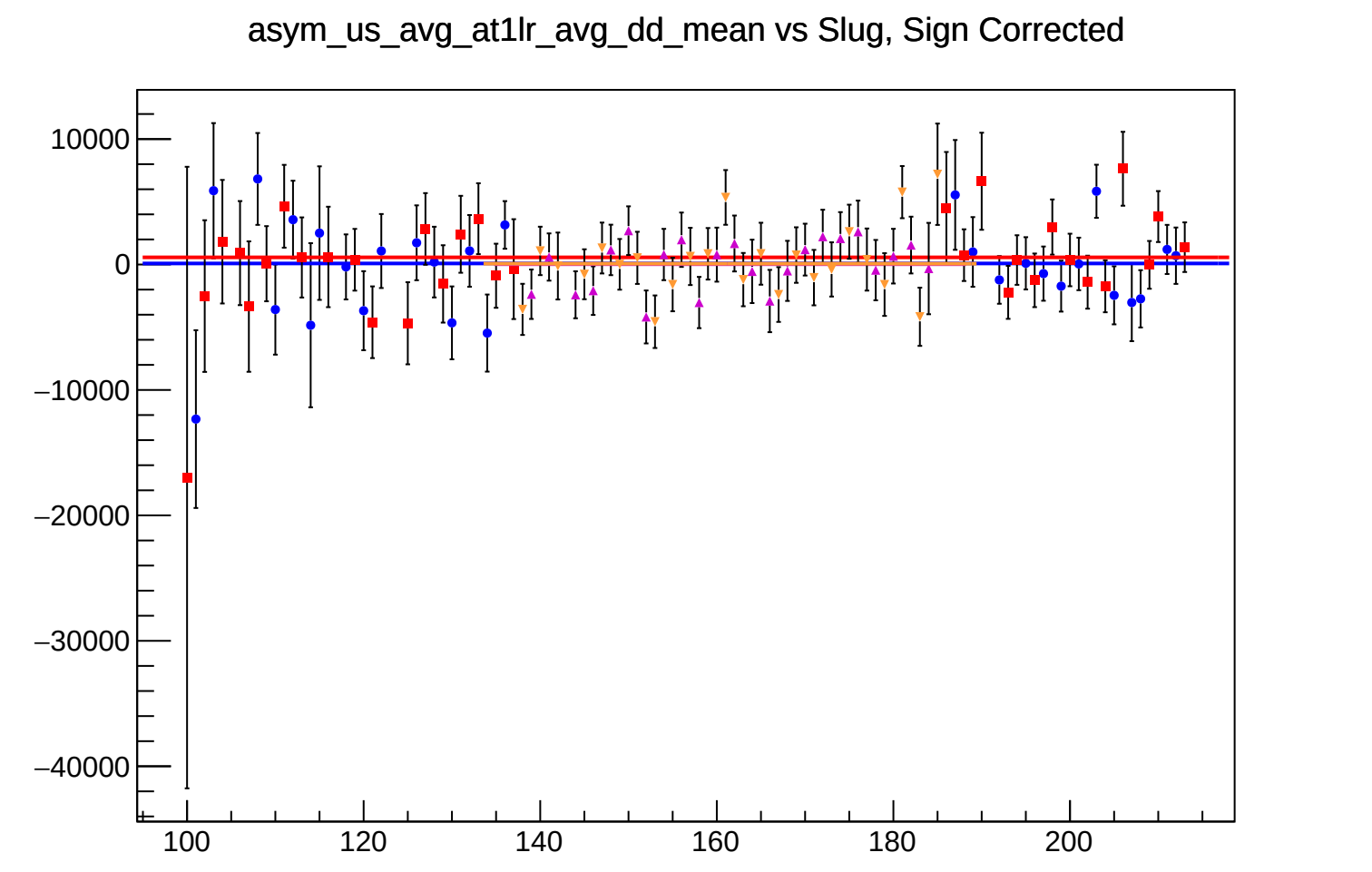
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 455.284+/-0.066 χ^2/NDF: 21515196.7/60

In: 463.662+/-0.067 χ^2/NDF:21342769.4/51

Out: 429.793+/-0.063 χ^2/NDF:25400541.6/55

All: 445.819+/-0.046 χ^2/NDF: 46879411.2/10



Right In: 85.039+/-491.727 χ^2/NDF: 35.8/28

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 571.495+/-475.820 χ^2/NDF: 29.5/31

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

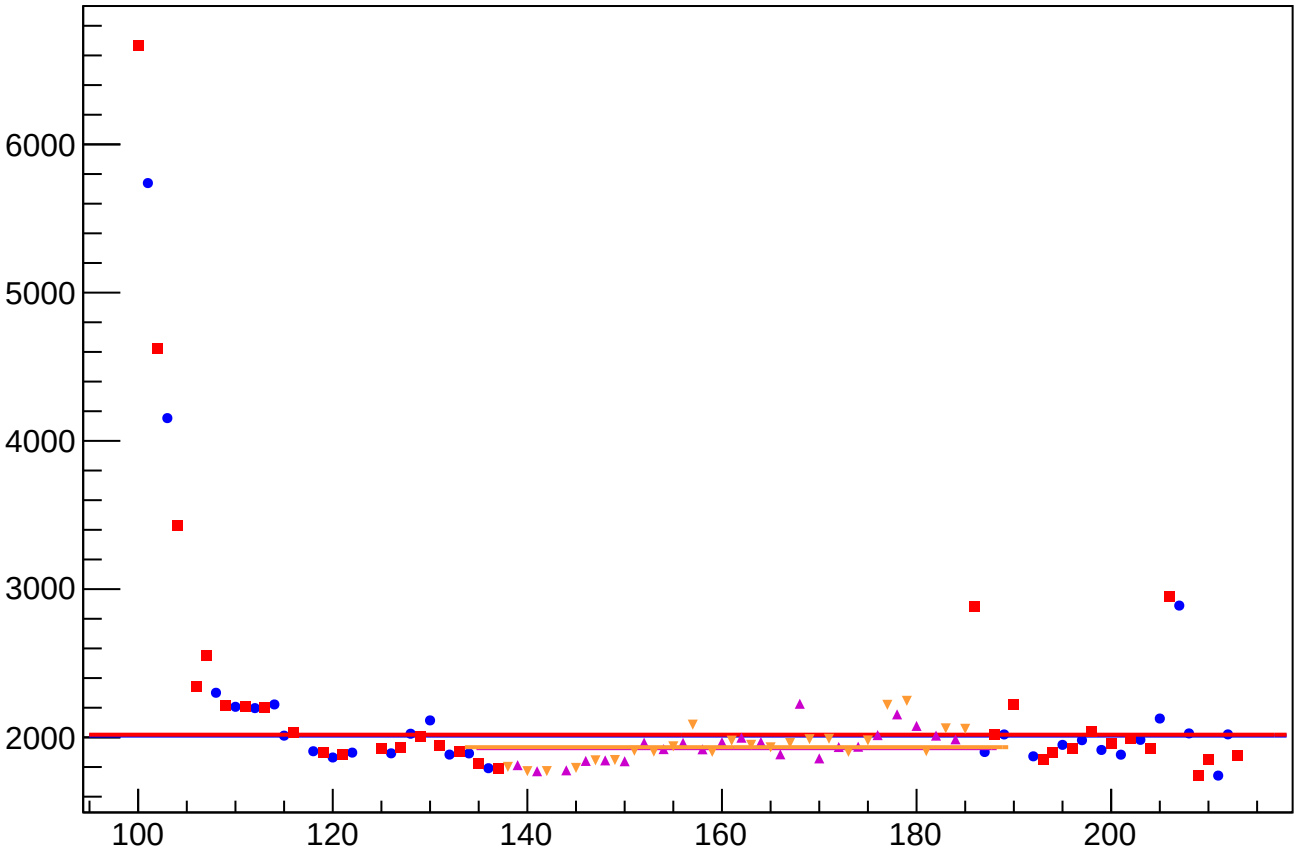
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 336.262+/-341.941 χ^2/NDF: 65.8/60

In: 52.727+/-332.274 χ^2/NDF:55.8/51

Out: 304.870+/-326.849 χ^2/NDF:63.7/55

All: 180.873+/-233.012 χ^2/NDF: 119.8/107



Right In: 2011.896+/-0.348 χ^2/NDF: 1178551.8/28

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

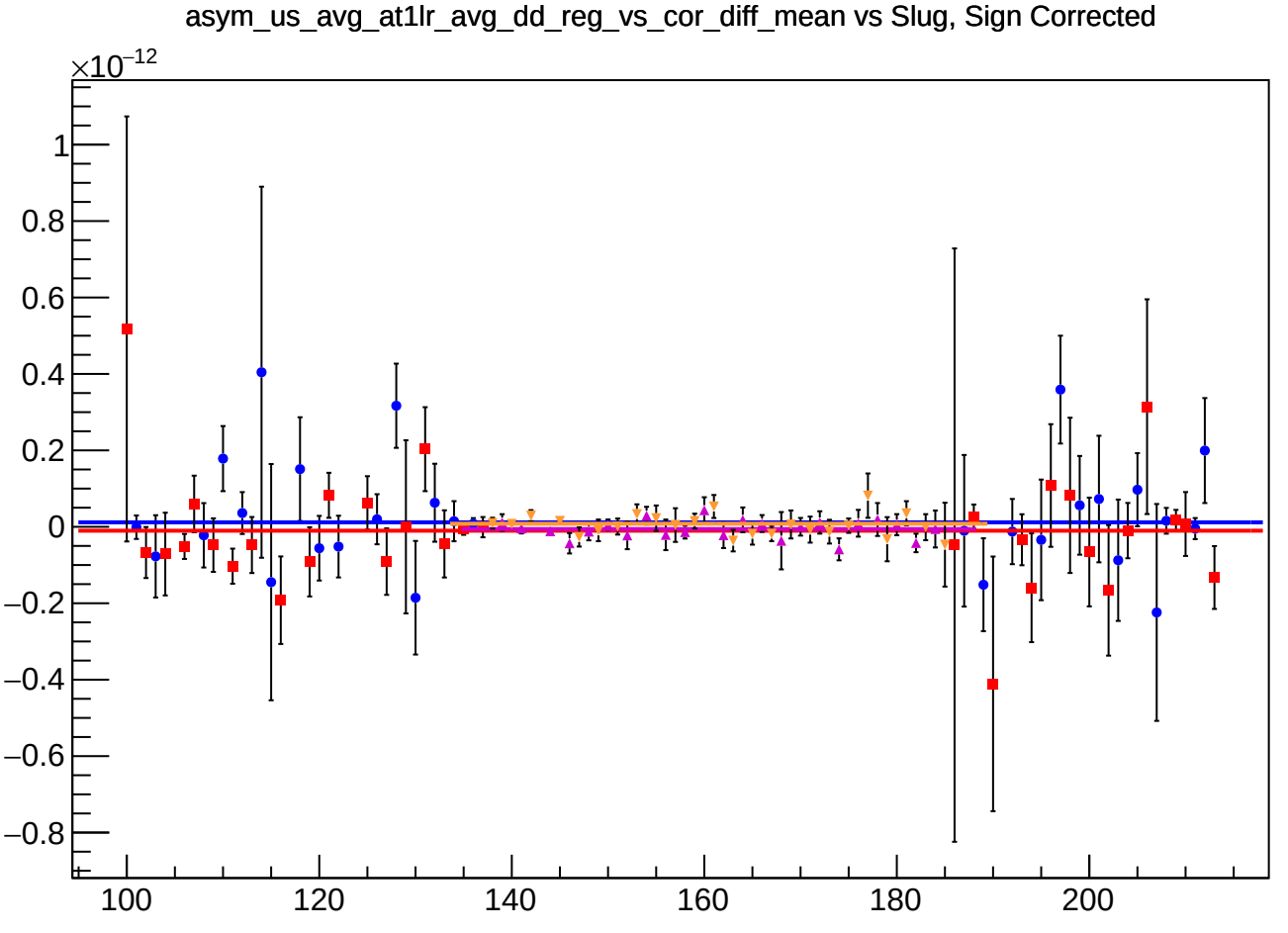
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

Right: 2015.134+/-0.242 χ^2/NDF: 2250897.6/60

In: 1965.832+/-0.235 χ^2/NDF:1327286.6/51

Out: 1973.611+/-0.231 χ^2/NDF:1233913.0/55

All: 1969.785+/-0.165 χ^2/NDF: 2561756.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 30.4/28

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

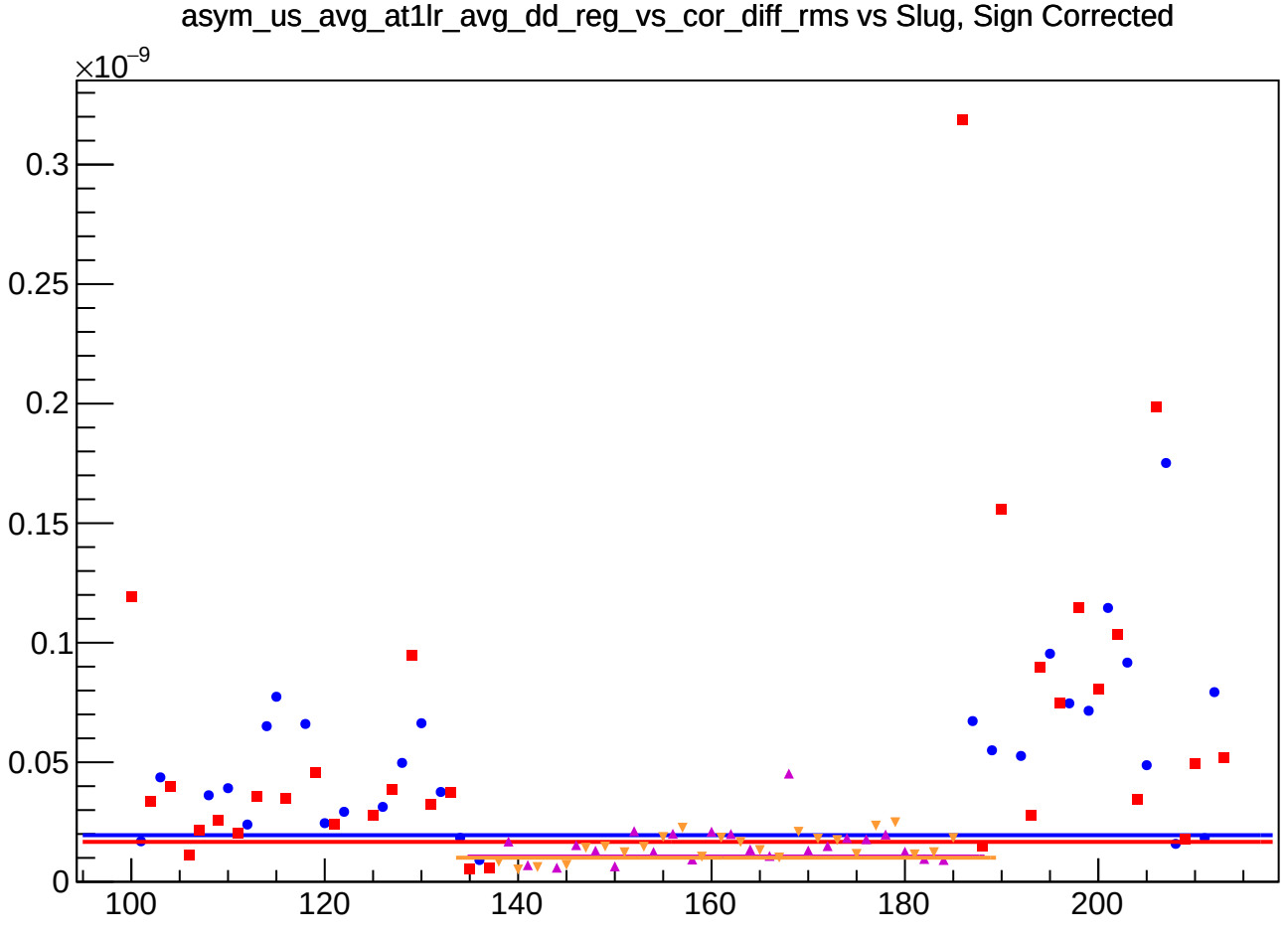
Left: 0.000+/-0.000 χ^2/NDF: 38.9/46

Right: -0.000+/-0.000 χ^2/NDF: 64.5/60

In: -0.000+/-0.000 χ^2/NDF:49.8/51

Out: 0.000+/-0.000 χ^2/NDF:52.0/55

All: 0.000+/-0.000 χ^2/NDF: 103.5/107



Right In: 0.000+/-0.000 χ^2/NDF: 6079444.3/28

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7276465.3/31

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

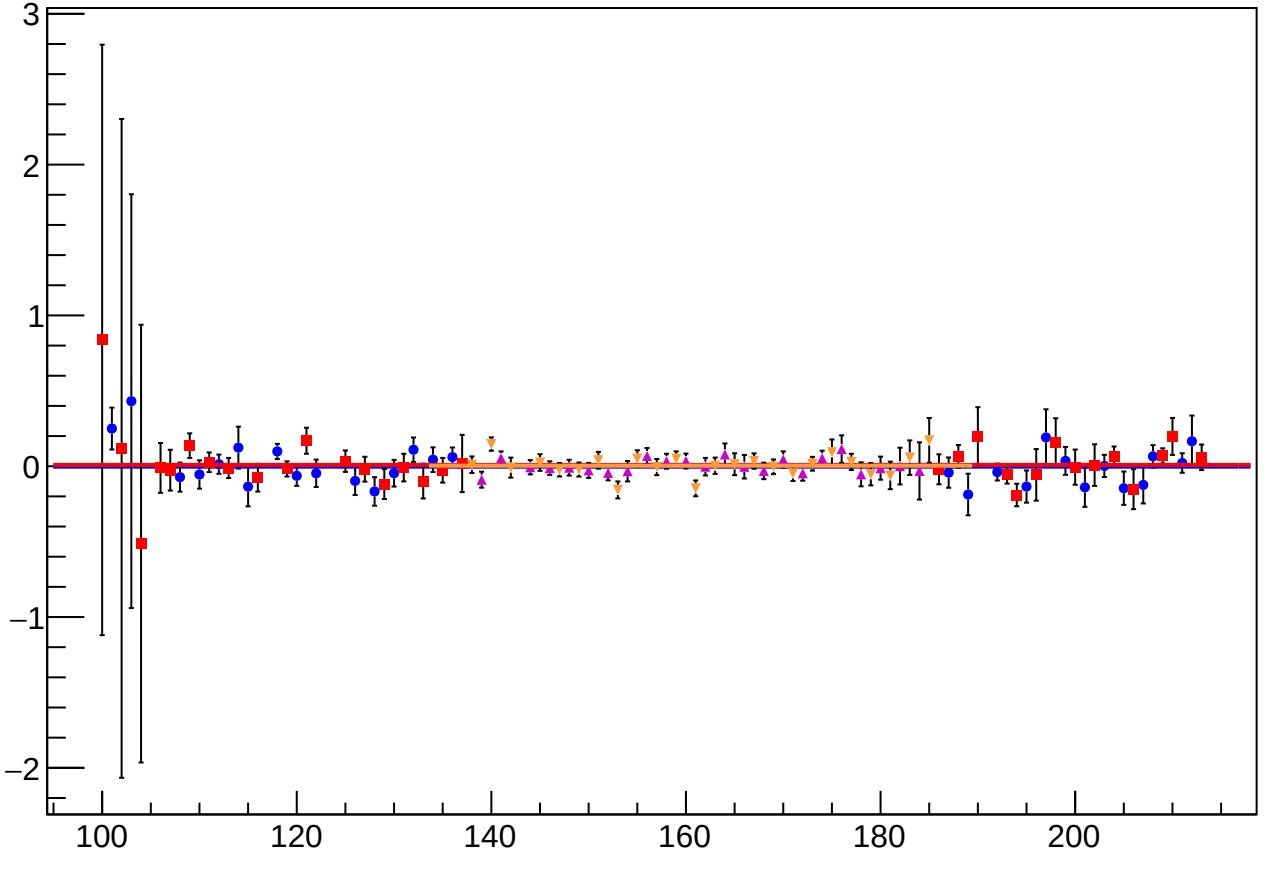
Right: 0.000+/-0.000 χ^2/NDF: 13443458.2/60

In: 0.000+/-0.000 χ^2/NDF:10008600.4/51

Out: 0.000+/-0.000 χ^2/NDF:10410600.5/55

All: 0.000+/-0.000 χ^2/NDF: 20460020.7/107

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.016 χ^2/NDF: 29.7/28

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

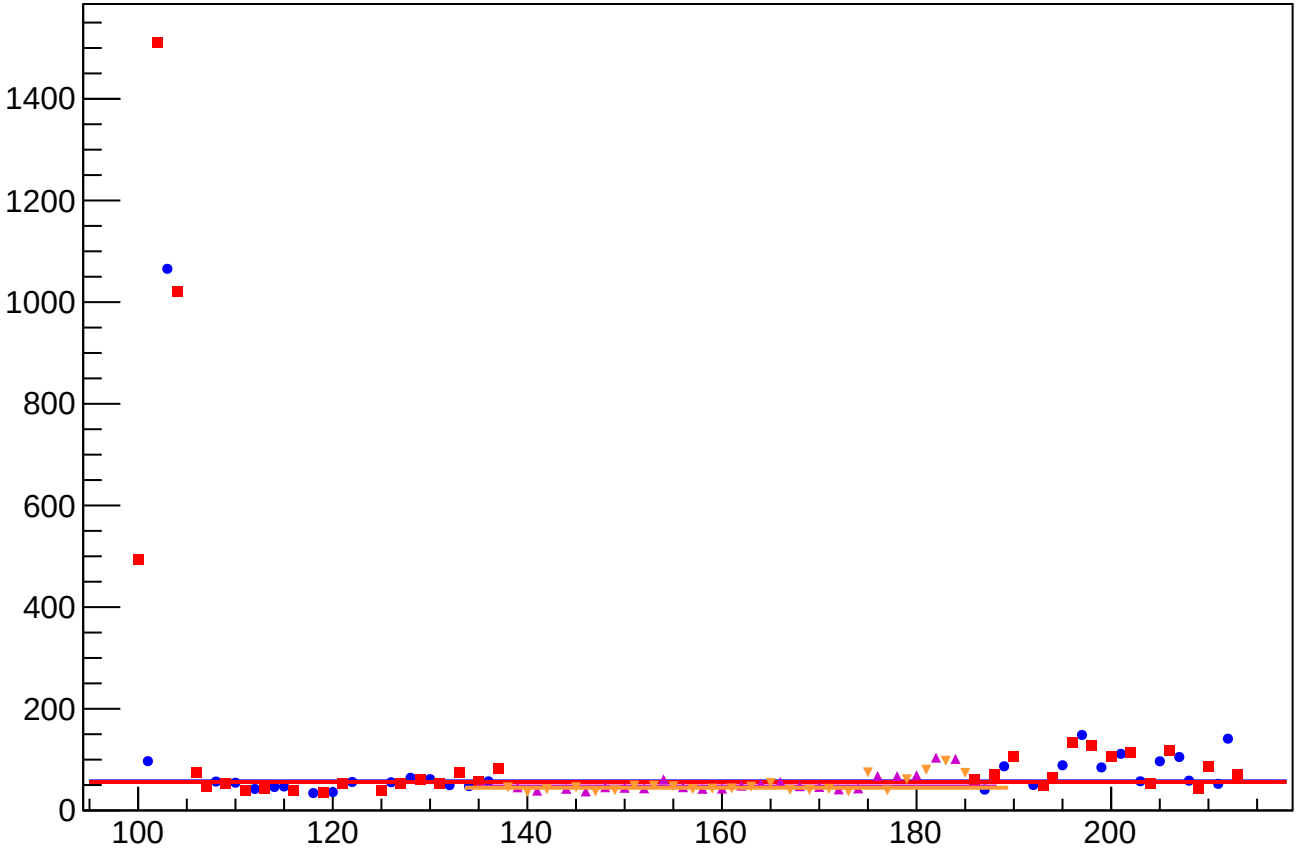
Right: 0.003+/-0.011 χ^2/NDF: 57.8/60

In: 0.001+/-0.010 χ^2/NDF:44.2/51

Out: 0.006+/-0.009 χ^2/NDF:63.0/55

All: 0.003+/-0.007 χ^2/NDF: 107.4/107

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.203+/-0.011 χ^2/NDF: 4472185.1/28

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

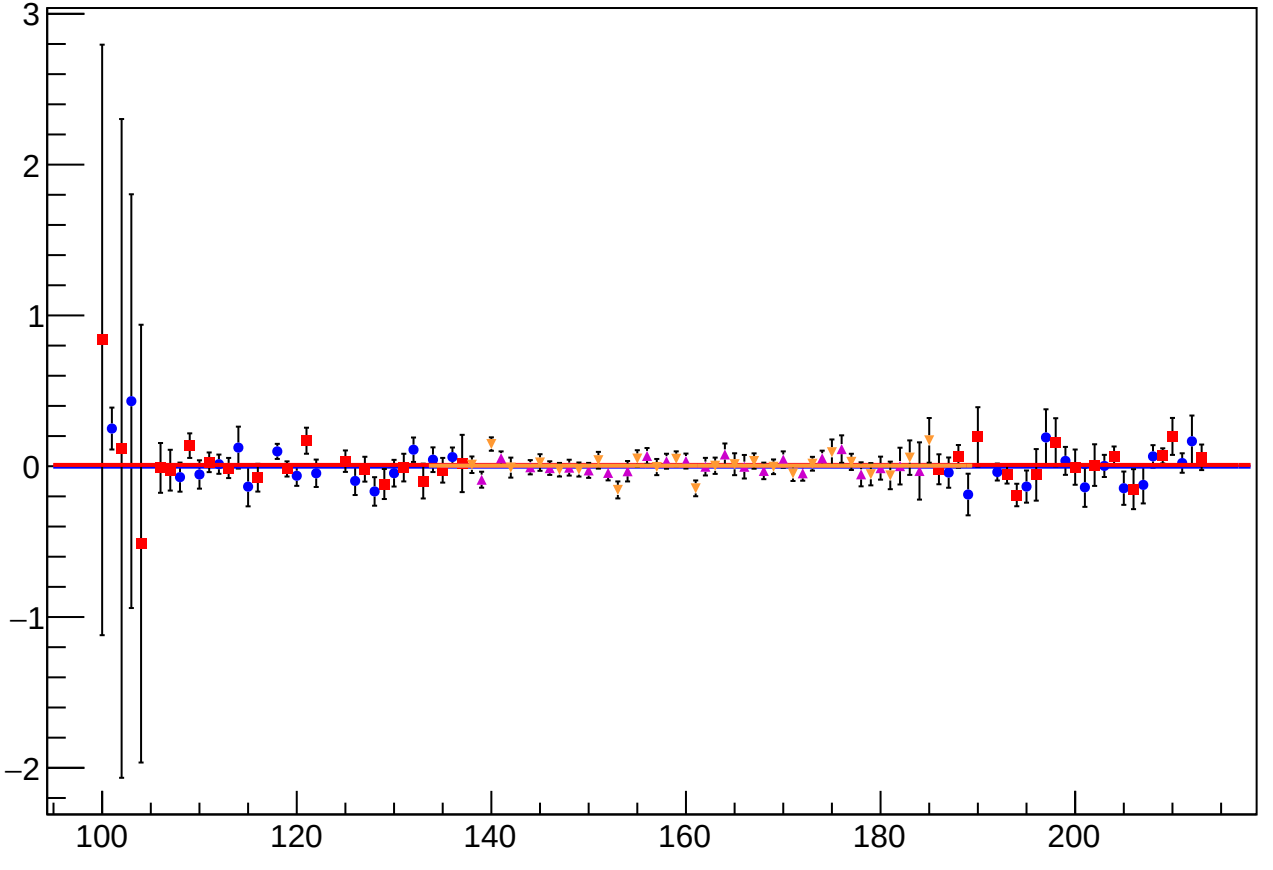
Right: 56.597+/-0.008 χ^2/NDF: 9747477.3/60

In: 50.623+/-0.007 χ^2/NDF:6367413.9/51

Out: 48.662+/-0.007 χ^2/NDF:7421412.0/55

All: 49.610+/-0.005 χ^2/NDF: 13831891.9/107

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.016 χ^2/NDF: 29.7/28

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

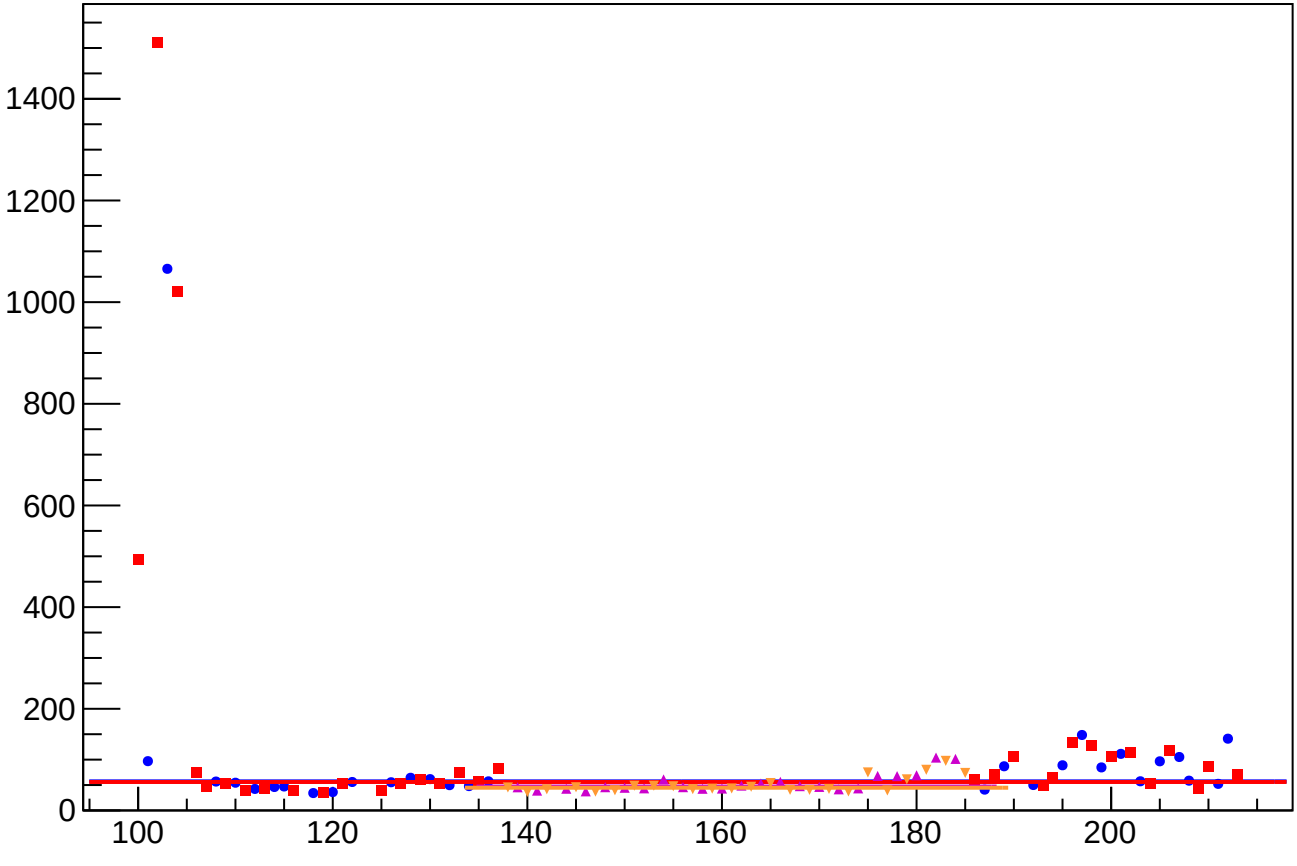
Right: 0.003+/-0.011 χ^2/NDF: 57.8/60

In: 0.001+/-0.010 χ^2/NDF:44.2/51

Out: 0.006+/-0.009 χ^2/NDF:63.0/55

All: 0.003+/-0.007 χ^2/NDF: 107.4/107

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.203+/-0.011 χ^2/NDF: 4472185.1/28

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

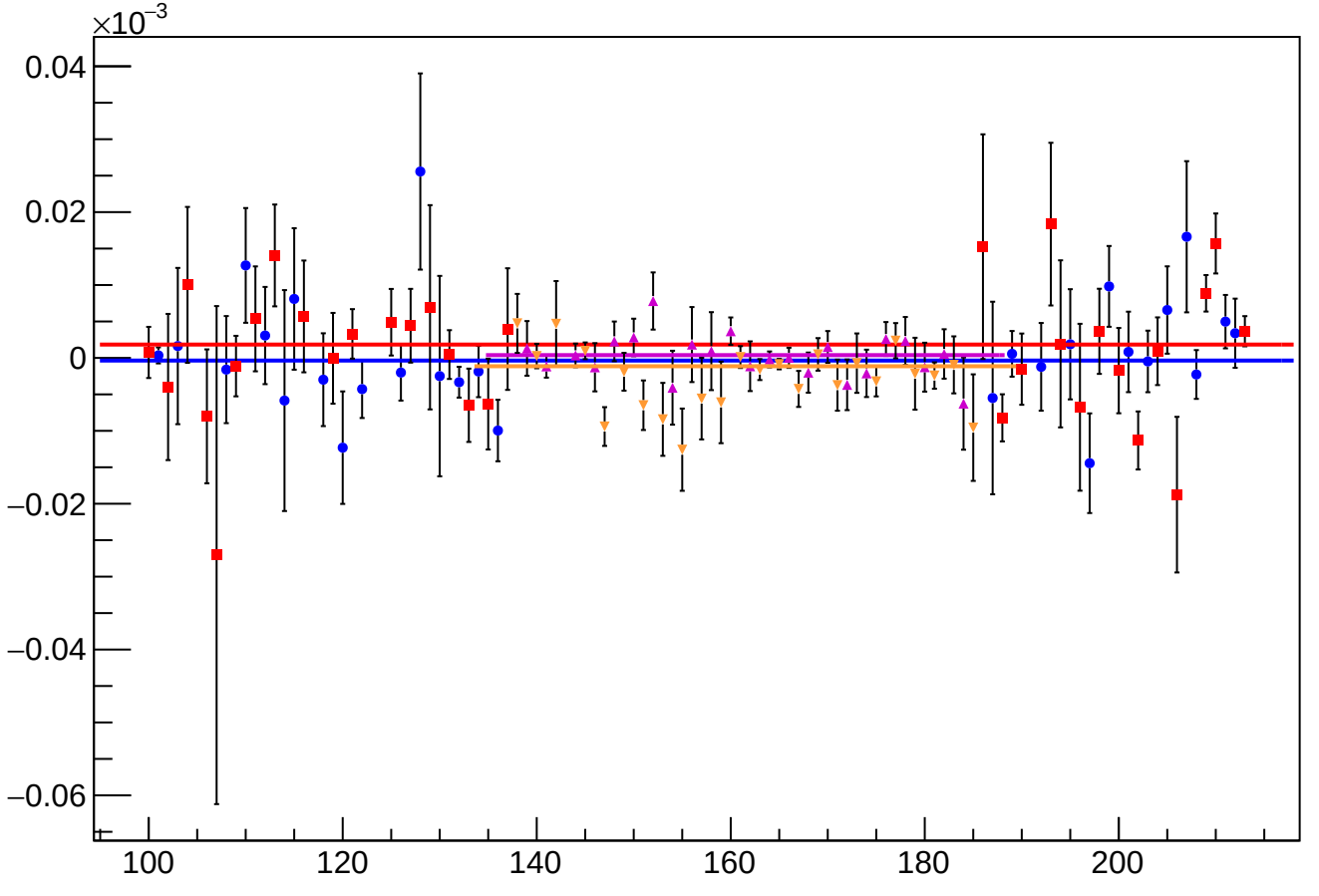
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 56.597+/-0.008 χ^2/NDF: 9747477.3/60

In: 50.623+/-0.007 χ^2/NDF:6367413.9/51

Out: 48.662+/-0.007 χ^2/NDF:7421412.0/55

All: 49.610+/-0.005 χ^2/NDF: 13831891.9/107



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/28

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

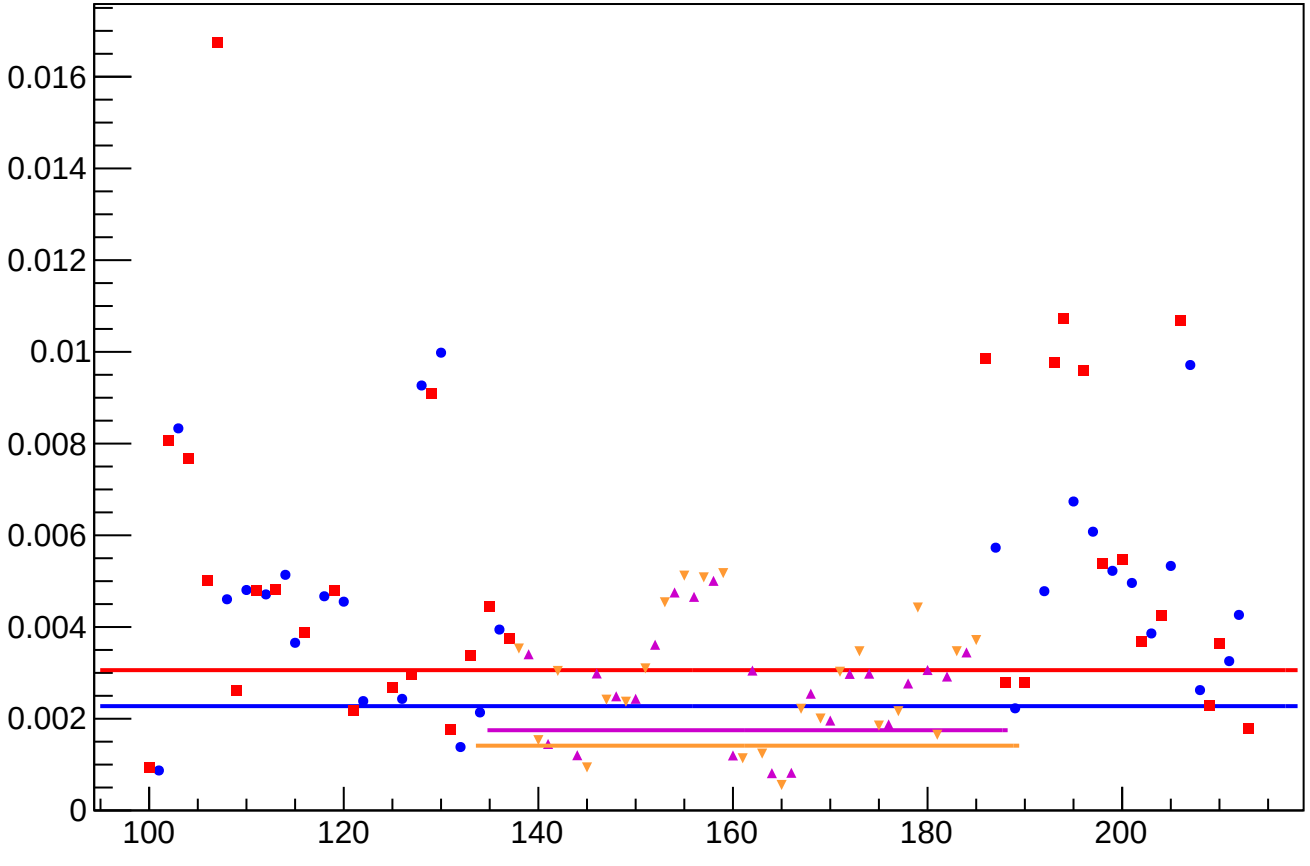
Right: 0.000+/-0.000 χ^2/NDF: 99.9/60

In: 0.000+/-0.000 χ^2/NDF:51.4/51

Out: -0.000+/-0.000 χ^2/NDF:107.3/55

All: -0.000+/-0.000 χ^2/NDF: 160.4/107

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: 12181986.0/28

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

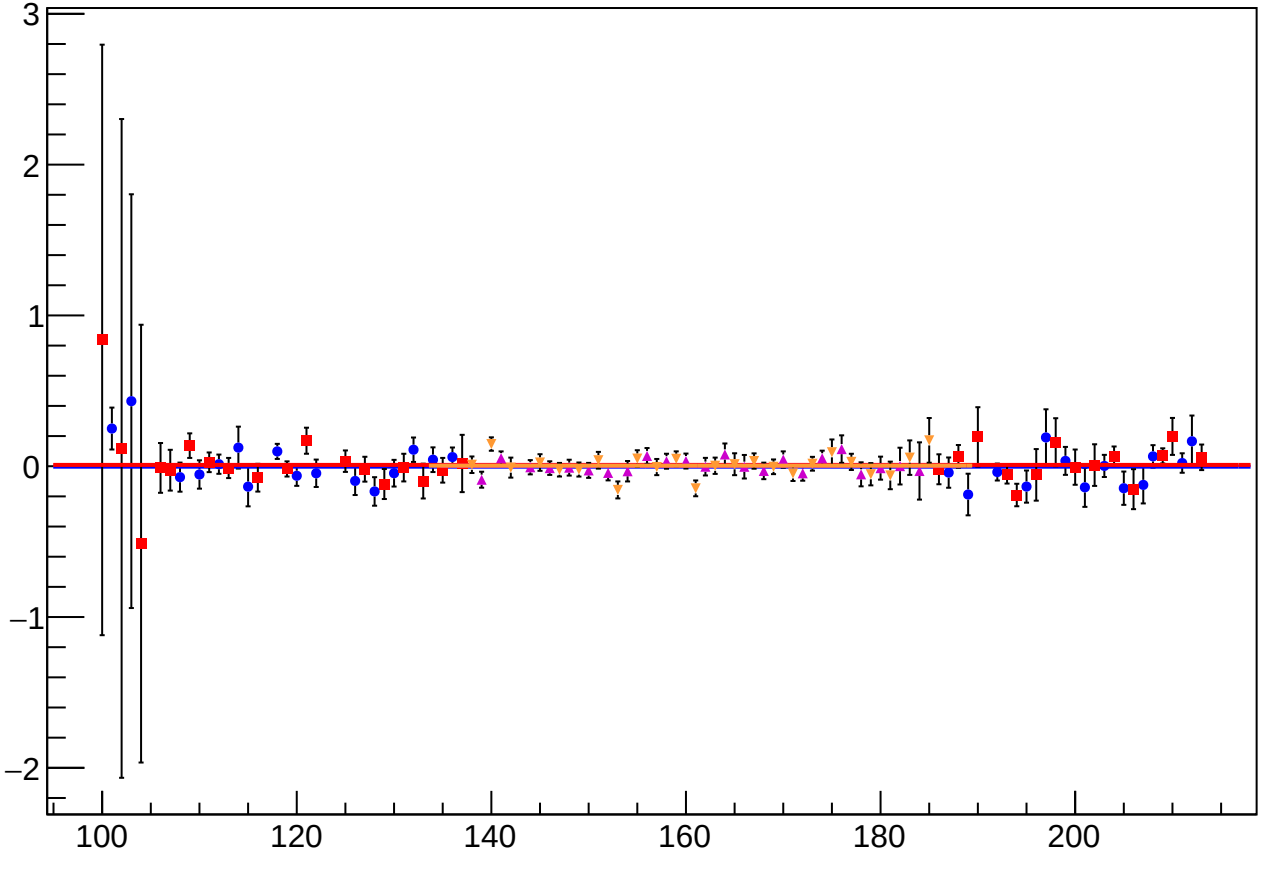
Right: 0.003+/-0.000 χ^2/NDF: 22099999.1/60

In: 0.002+/-0.000 χ^2/NDF:21163802.1/51

Out: 0.002+/-0.000 χ^2/NDF:26624392.2/55

All: 0.002+/-0.000 χ^2/NDF: 48041273.2/107

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.016 χ^2/NDF: 29.7/28

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

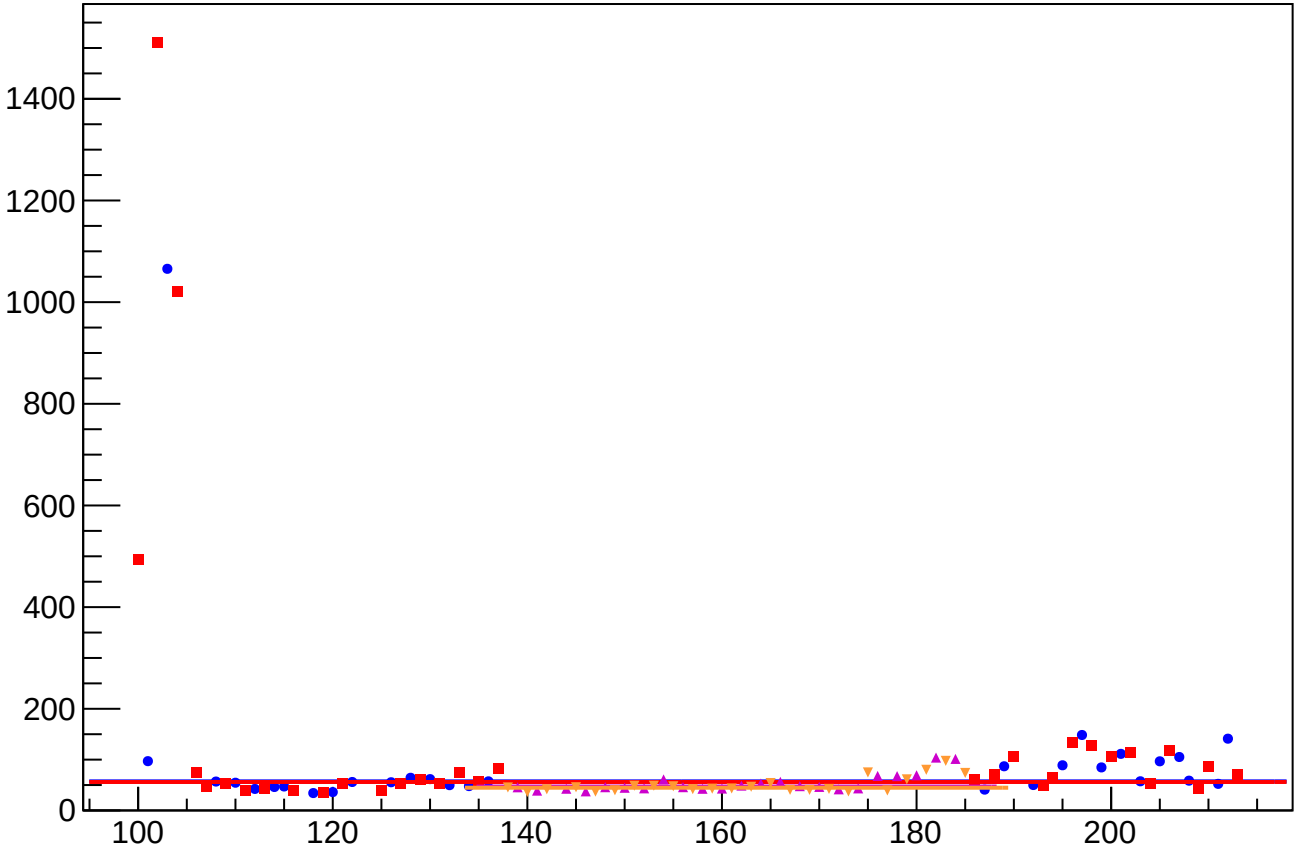
Right: 0.003+/-0.011 χ^2/NDF: 57.8/60

In: 0.001+/-0.010 χ^2/NDF:44.2/51

Out: 0.006+/-0.009 χ^2/NDF:63.0/55

All: 0.003+/-0.007 χ^2/NDF: 107.4/107

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.202+/-0.011 χ^2/NDF: 4472263.6/28

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

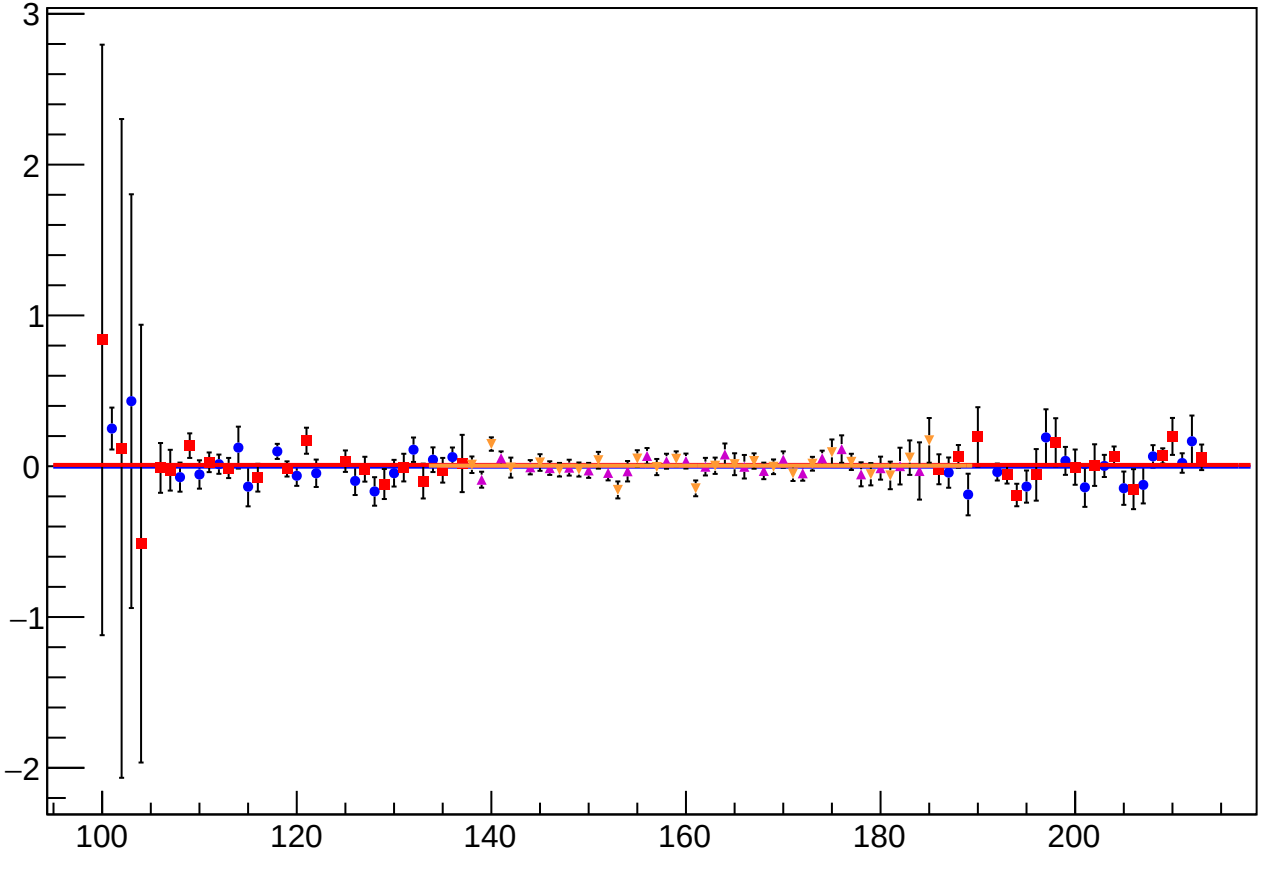
Right: 56.597+/-0.008 χ^2/NDF: 9747750.1/60

In: 50.623+/-0.007 χ^2/NDF:6367546.0/51

Out: 48.662+/-0.007 χ^2/NDF:7421480.2/55

All: 49.610+/-0.005 χ^2/NDF: 13832085.1/107

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.016 χ^2/NDF: 29.7/28

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

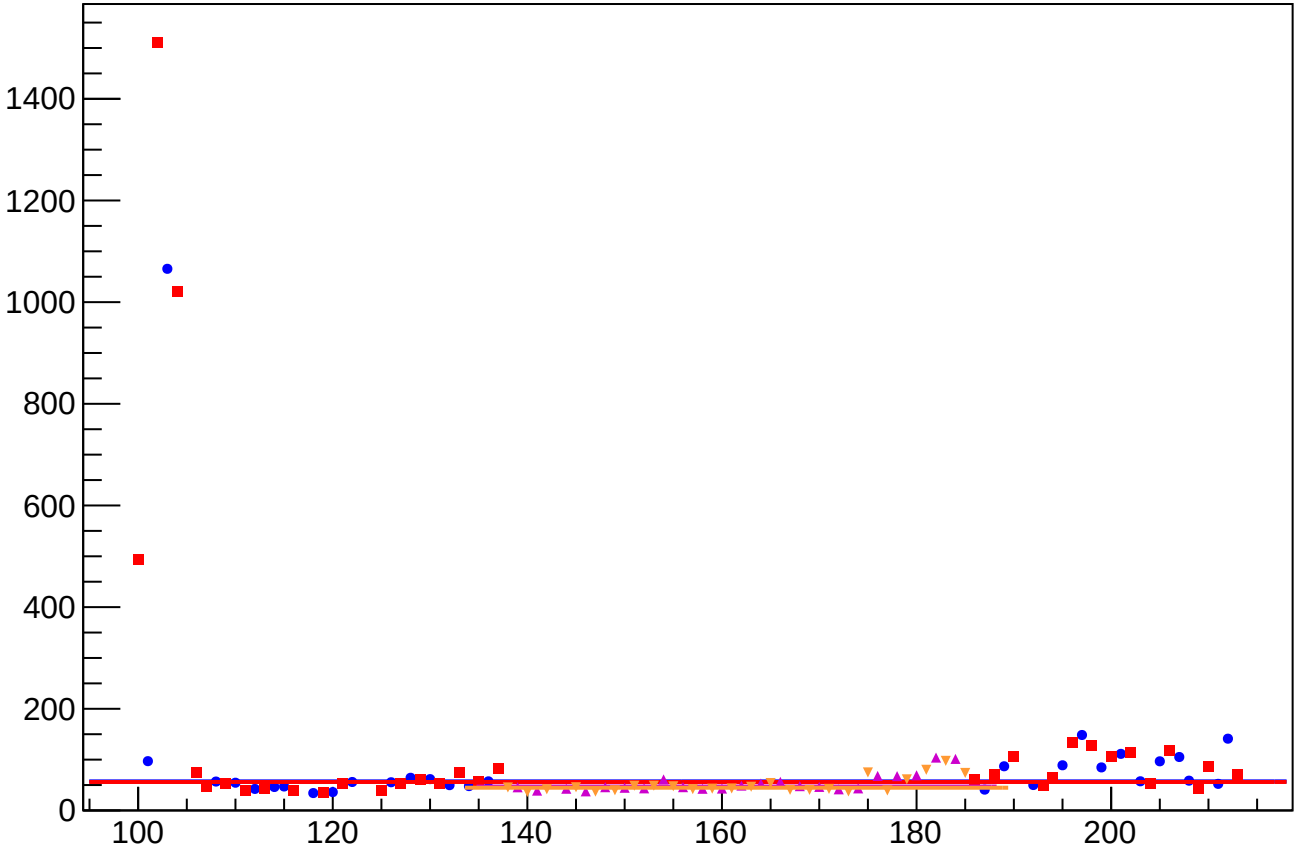
Right: 0.003+/-0.011 χ^2/NDF: 57.8/60

In: 0.001+/-0.010 χ^2/NDF:44.2/51

Out: 0.006+/-0.009 χ^2/NDF:63.0/55

All: 0.003+/-0.007 χ^2/NDF: 107.4/107

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.202+/-0.011 χ^2/NDF: 4472263.6/28

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

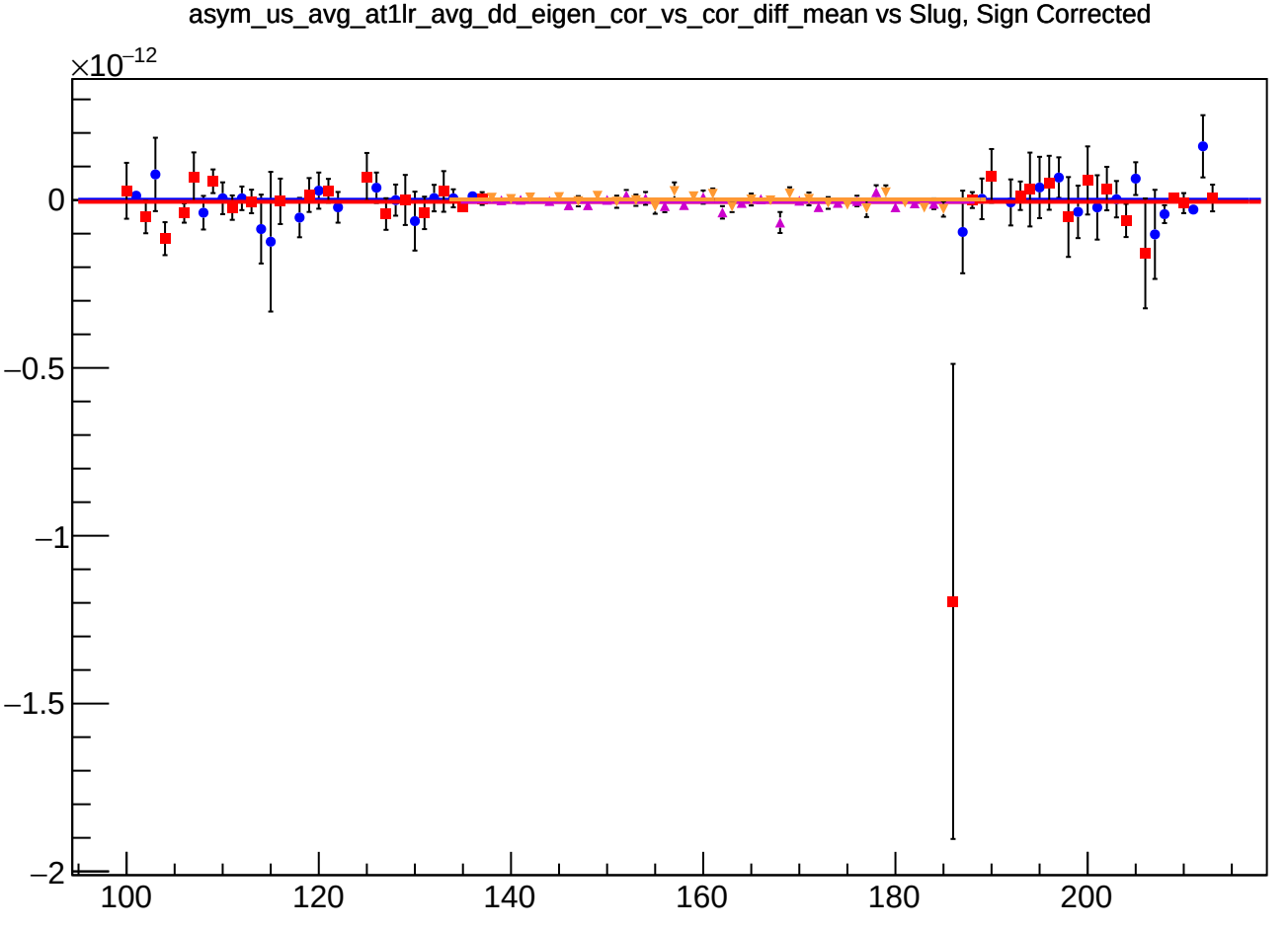
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 56.597+/-0.008 χ^2/NDF: 9747750.1/60

In: 50.623+/-0.007 χ^2/NDF:6367546.0/51

Out: 48.662+/-0.007 χ^2/NDF:7421480.2/55

All: 49.610+/-0.005 χ^2/NDF: 13832085.1/107



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/28

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

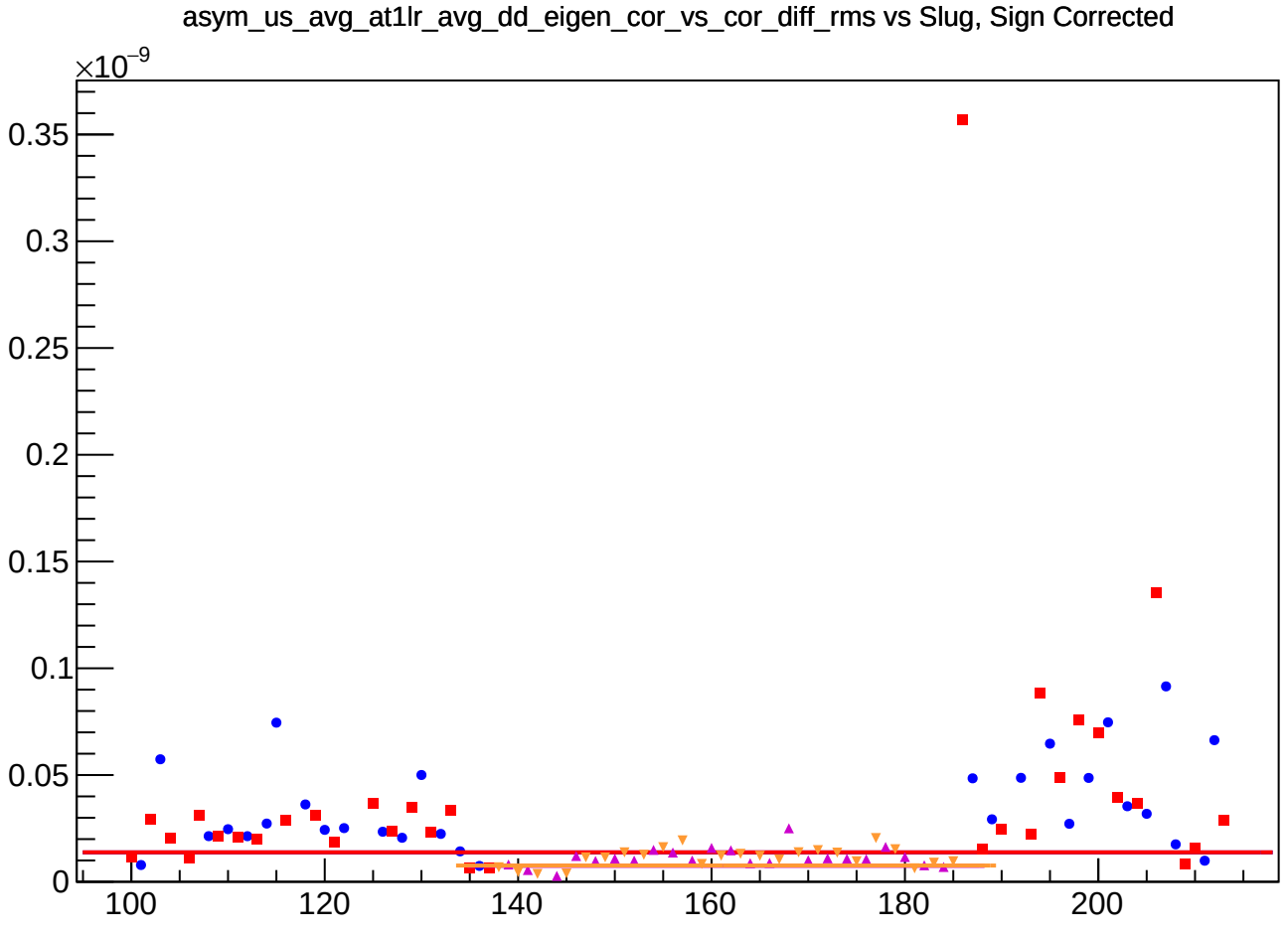
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

Right: -0.000+/-0.000 χ^2/NDF: 47.3/60

In: -0.000+/-0.000 χ^2/NDF:40.0/51

Out: 0.000+/-0.000 χ^2/NDF:47.5/55

All: -0.000+/-0.000 χ^2/NDF: 90.0/107



Right In: 0.000+/-0.000 χ^2/NDF: 7955063.1/28

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

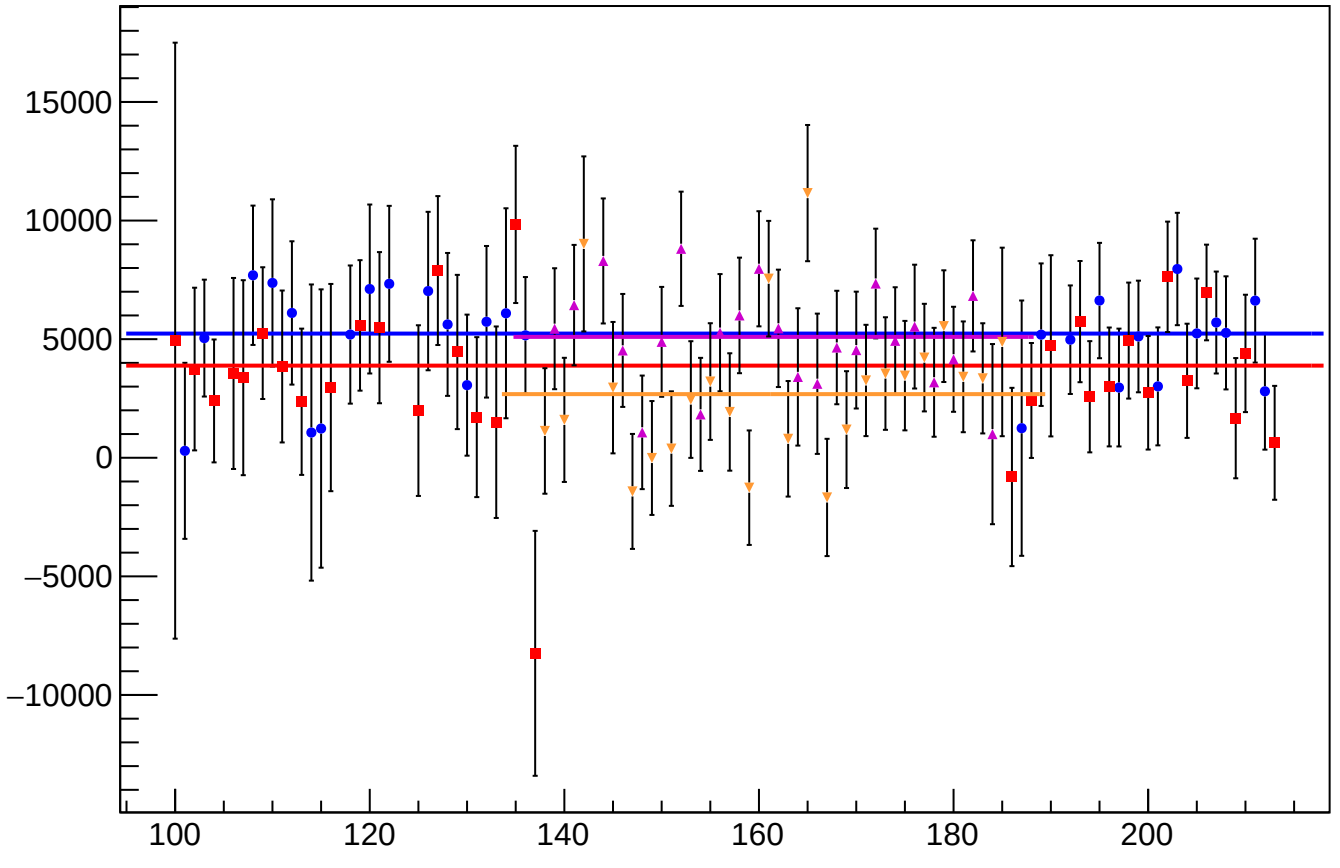
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 16542765.2/60

In: 0.000+/-0.000 χ^2/NDF:16035649.0/51

Out: 0.000+/-0.000 χ^2/NDF:16224975.5/55

All: 0.000+/-0.000 χ^2/NDF: 32266673.1/107



Right In: 5235.539+/-527.491 χ^2/NDF: 10.6/28

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

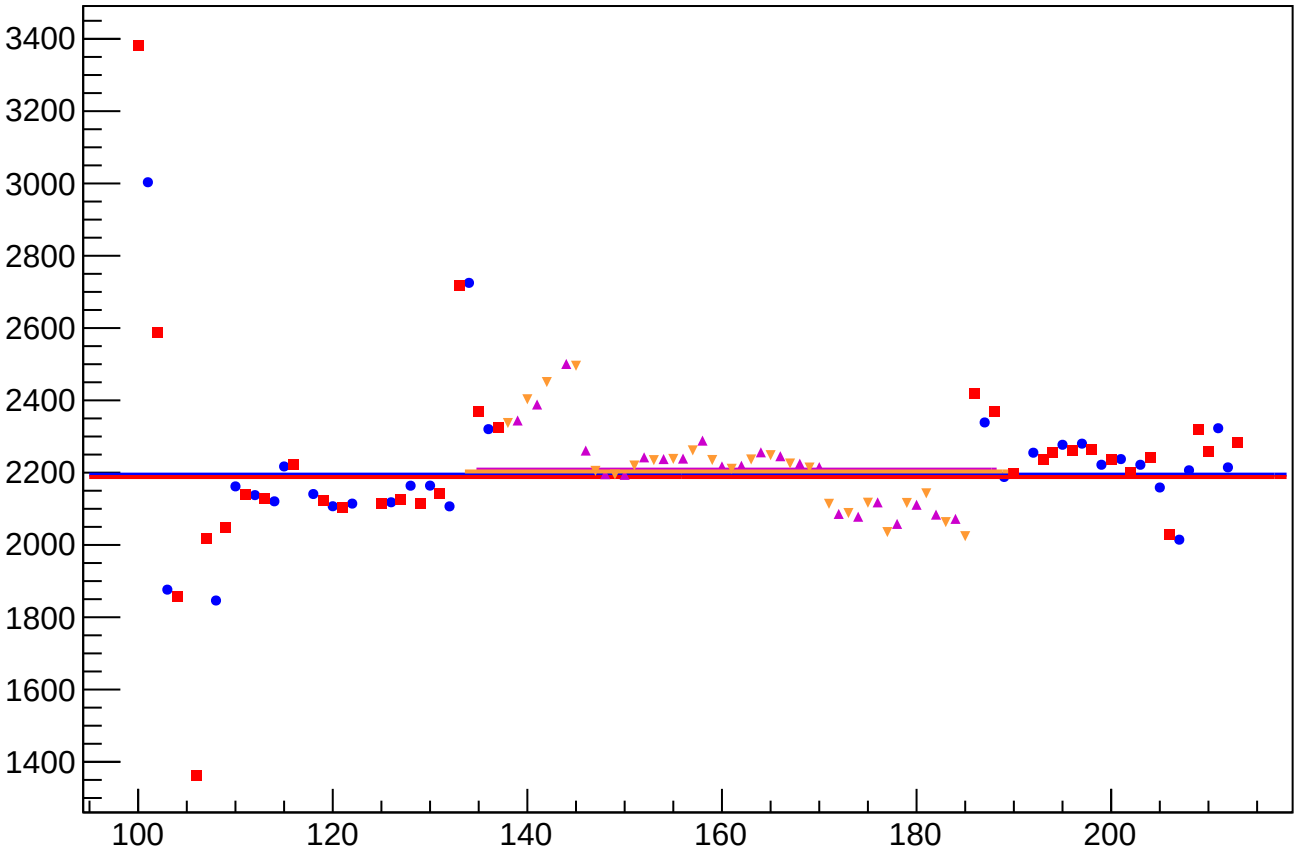
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4543.913+/-368.523 χ^2/NDF: 37.9/60

In: 5164.483+/-368.947 χ^2/NDF:25.6/51

Out: 3280.103+/-363.127 χ^2/NDF:57.5/55

All: 4207.311+/-258.803 χ^2/NDF: 96.3/107



Right In: 2194.527+/-0.373 χ^2/NDF: 225874.5/28

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

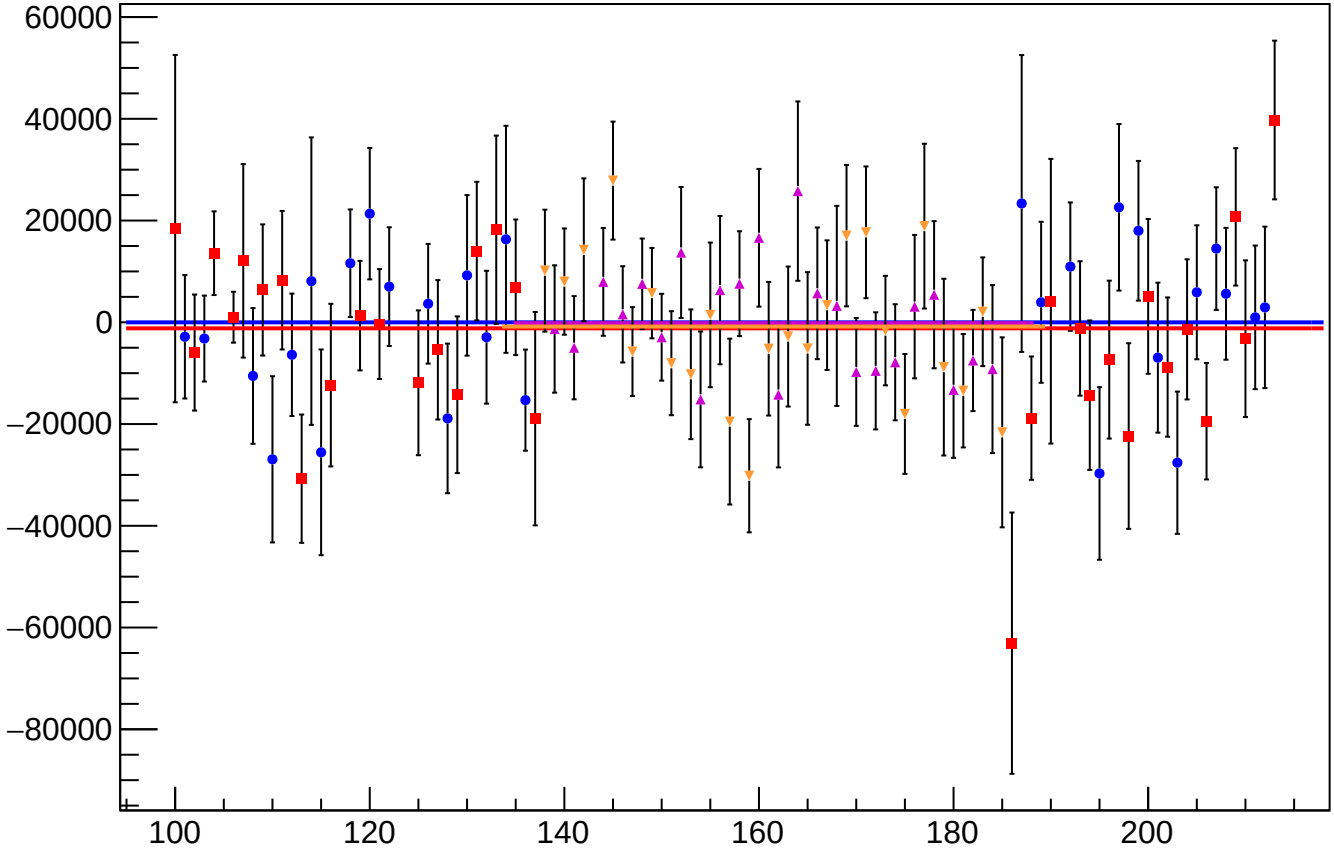
Right: 2191.097+/-0.260 χ^2/NDF: 562008.5/60

In: 2201.603+/-0.261 χ^2/NDF:307573.2/51

Out: 2195.578+/-0.256 χ^2/NDF:425086.6/55

All: 2198.533+/-0.183 χ^2/NDF: 732931.6/107

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -12.077+/-2514.127 χ^2/NDF: 29.0/28

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

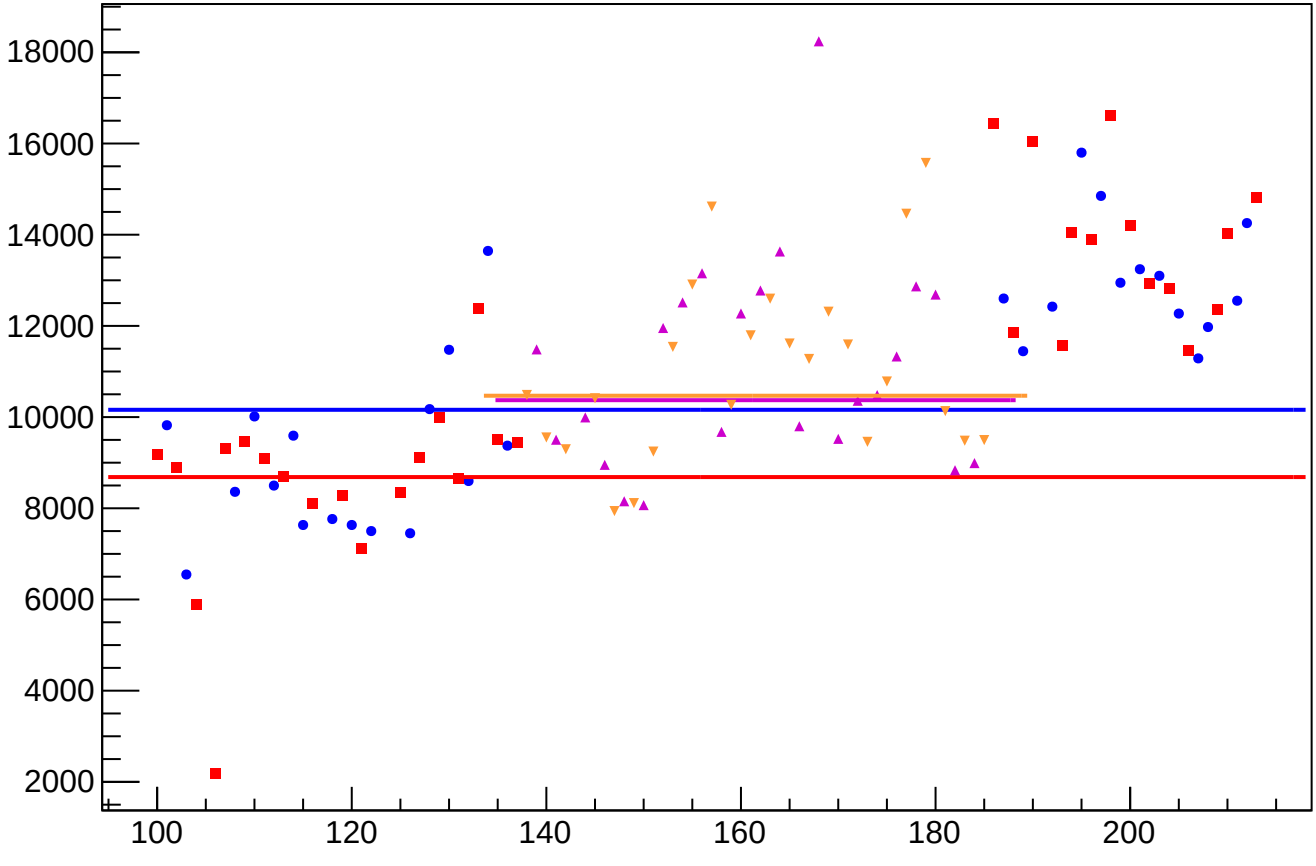
Right: -665.210+/-1672.945 χ^2/NDF: 68.0/60

In: -98.718+/-1762.392 χ^2/NDF:42.7/51

Out: -1026.647+/-1663.217 χ^2/NDF:68.4/55

All: -589.524+/-1209.614 χ^2/NDF: 111.3/107

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 10160.000+/-1.778 χ^2/NDF: 2000357.5/28

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

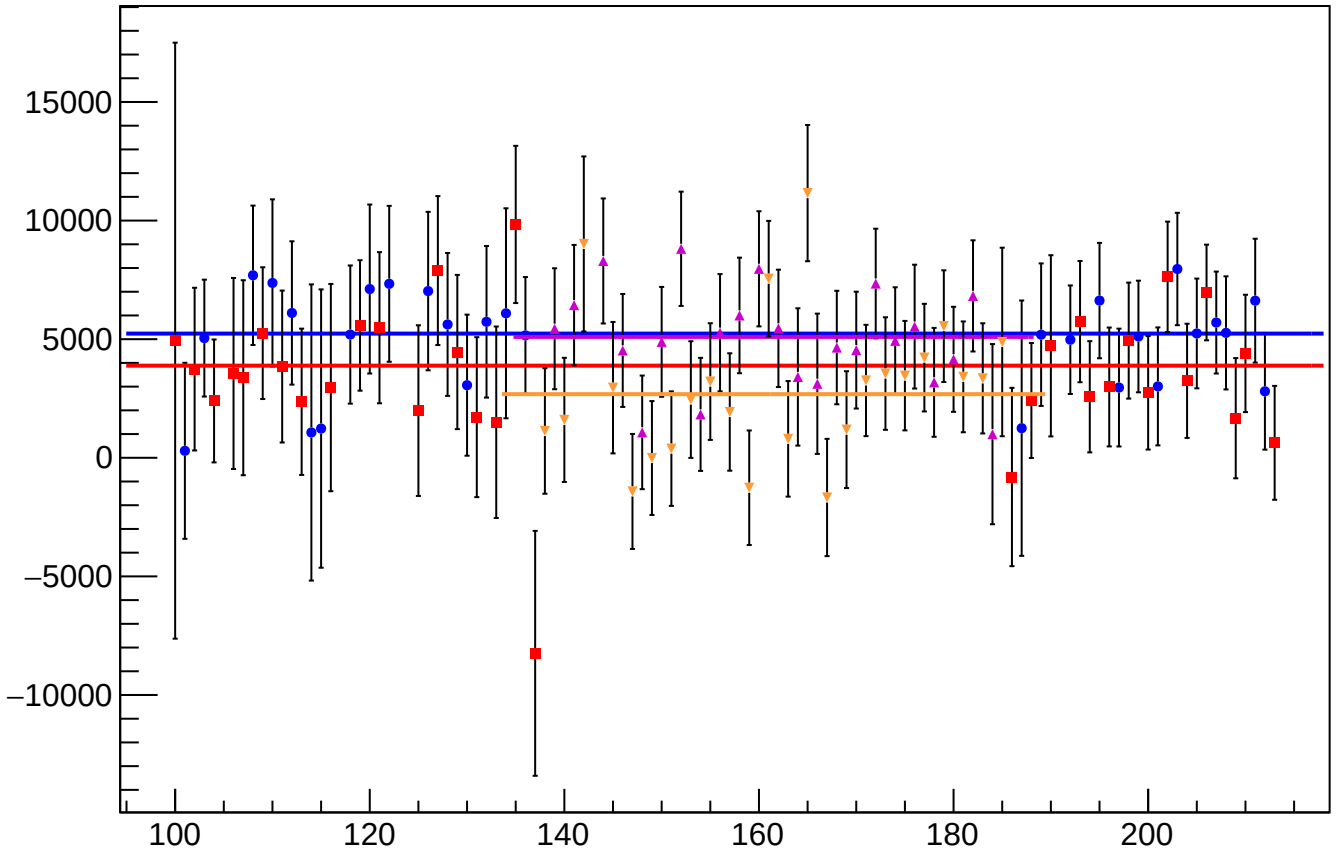
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 9337.902+/-1.183 χ^2/NDF: 9040888.1/60

In: 10267.263+/-1.246 χ^2/NDF:3211273.3/51

Out: 9486.105+/-1.176 χ^2/NDF:8271363.6/55

All: 9854.088+/-0.855 χ^2/NDF: 11690461.9/1



Right In: 5235.603+/-527.491 χ^2/NDF: 10.6/28

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

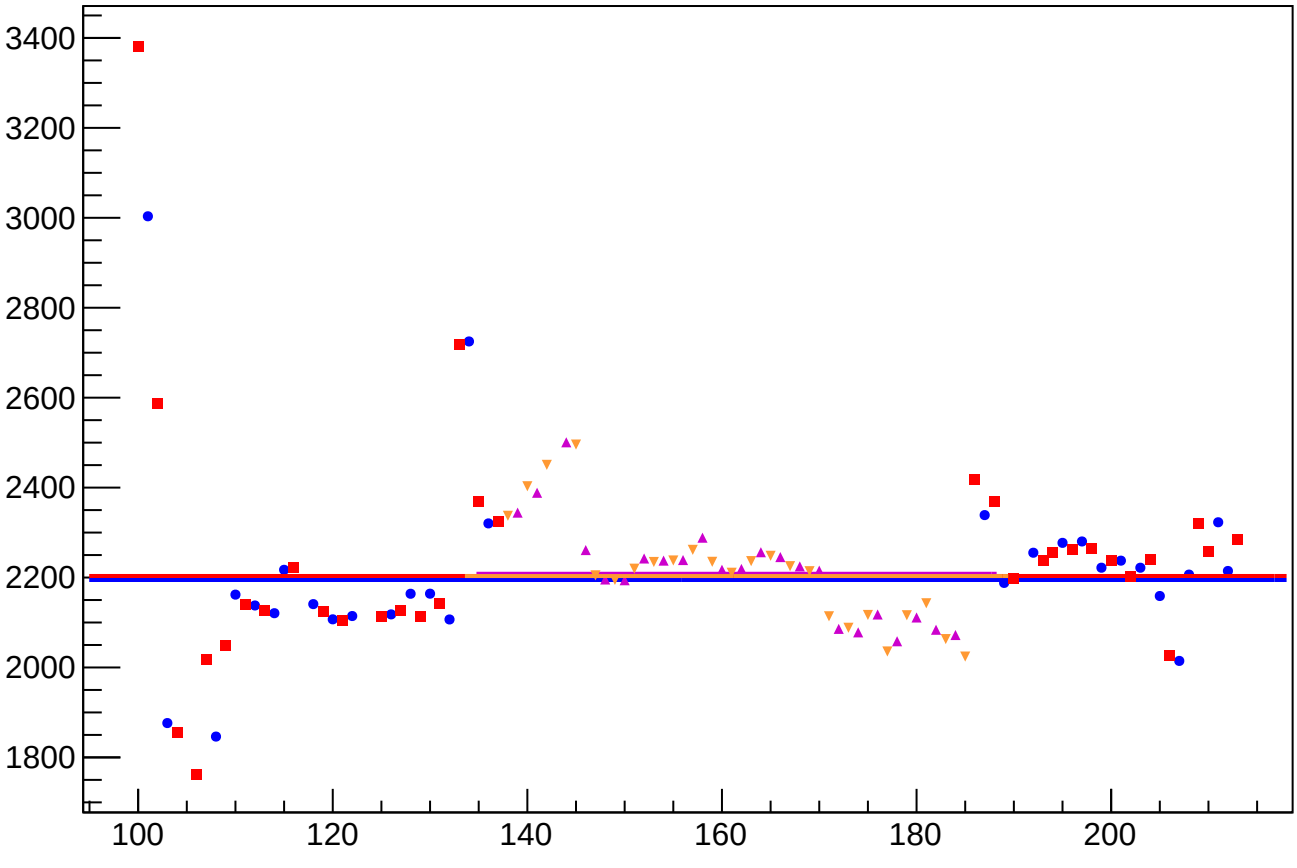
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4543.907+/-368.523 χ^2/NDF: 37.9/60

In: 5164.467+/-368.947 χ^2/NDF:25.5/51

Out: 3280.027+/-363.127 χ^2/NDF:57.5/55

All: 4207.264+/-258.803 χ^2/NDF: 96.3/107



Right In: 2194.527+/-0.373 χ^2/NDF: 225874.9/28

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

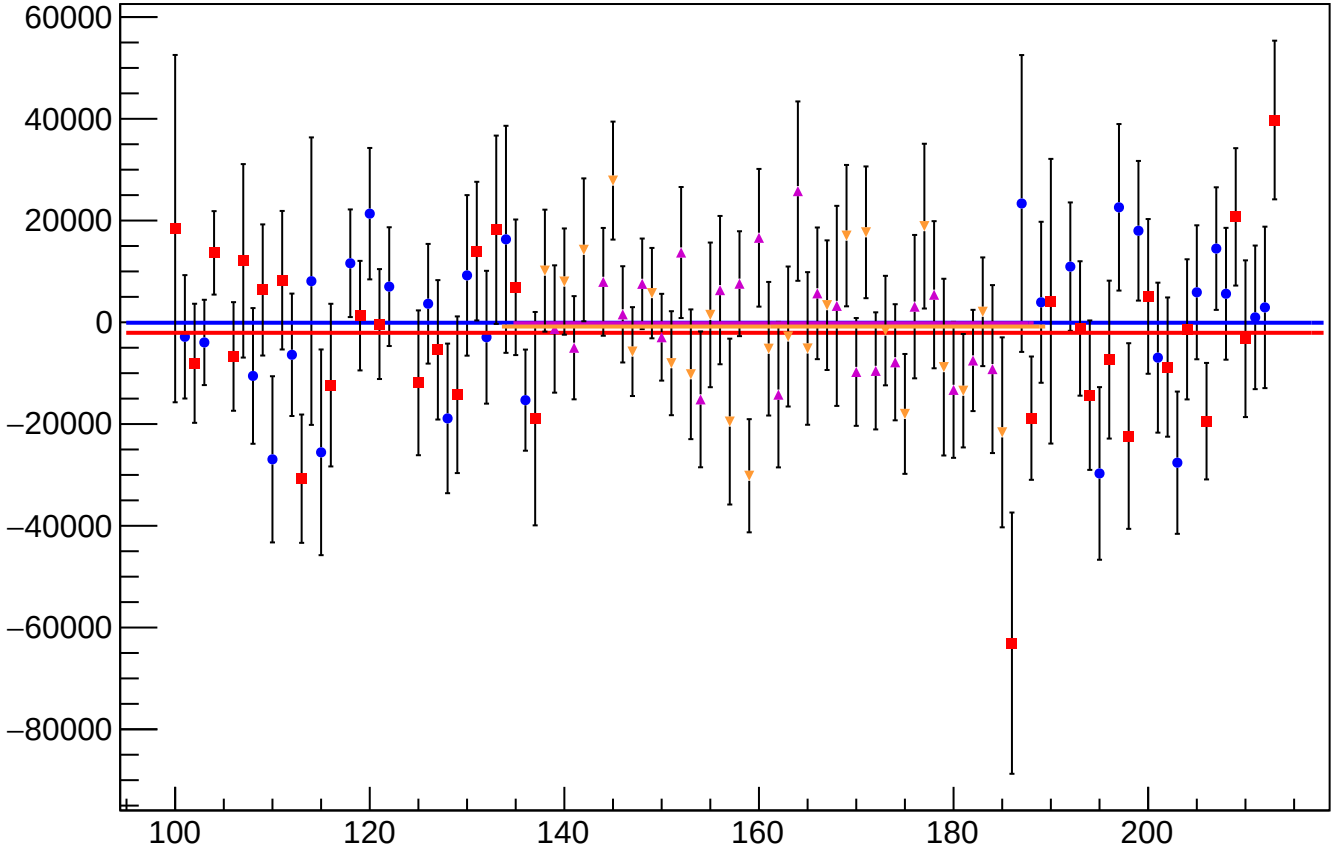
Right: 2199.112+/-0.260 χ^2/NDF: 436866.1/60

In: 2201.603+/-0.261 χ^2/NDF:307573.6/51

Out: 2203.381+/-0.257 χ^2/NDF:298905.1/55

All: 2202.507+/-0.183 χ^2/NDF: 606502.4/107

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -84.985+/-2512.414 χ^2/NDF: 29.1/28

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

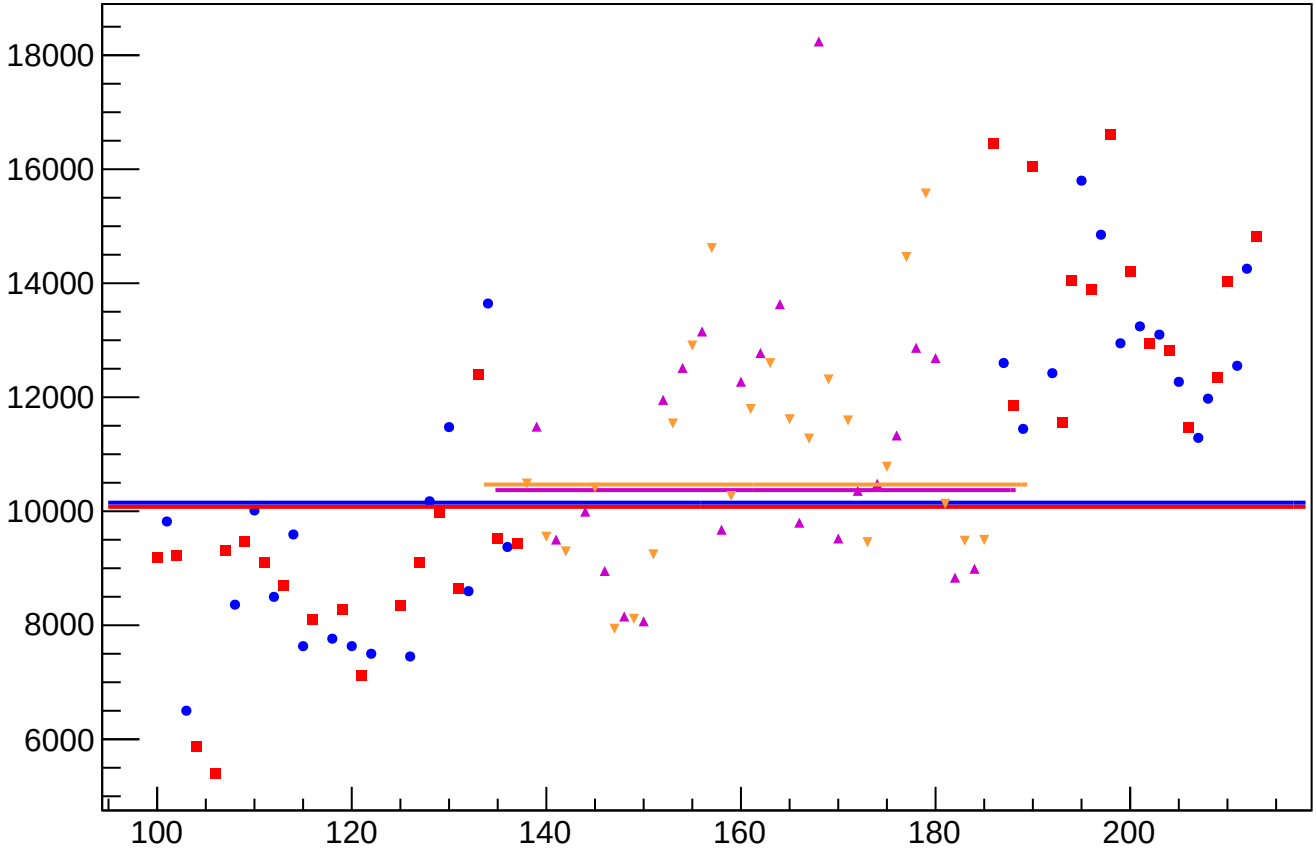
Right: -1102.551+/-1751.488 χ^2/NDF: 68.5/60

In: -134.478+/-1761.800 χ^2/NDF:42.8/51

Out: -1458.679+/-1740.903 χ^2/NDF:68.7/55

All: -804.479+/-1238.327 χ^2/NDF: 111.8/107

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 10150.815+/-1.777 χ^2/NDF: 2015729.7/28

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

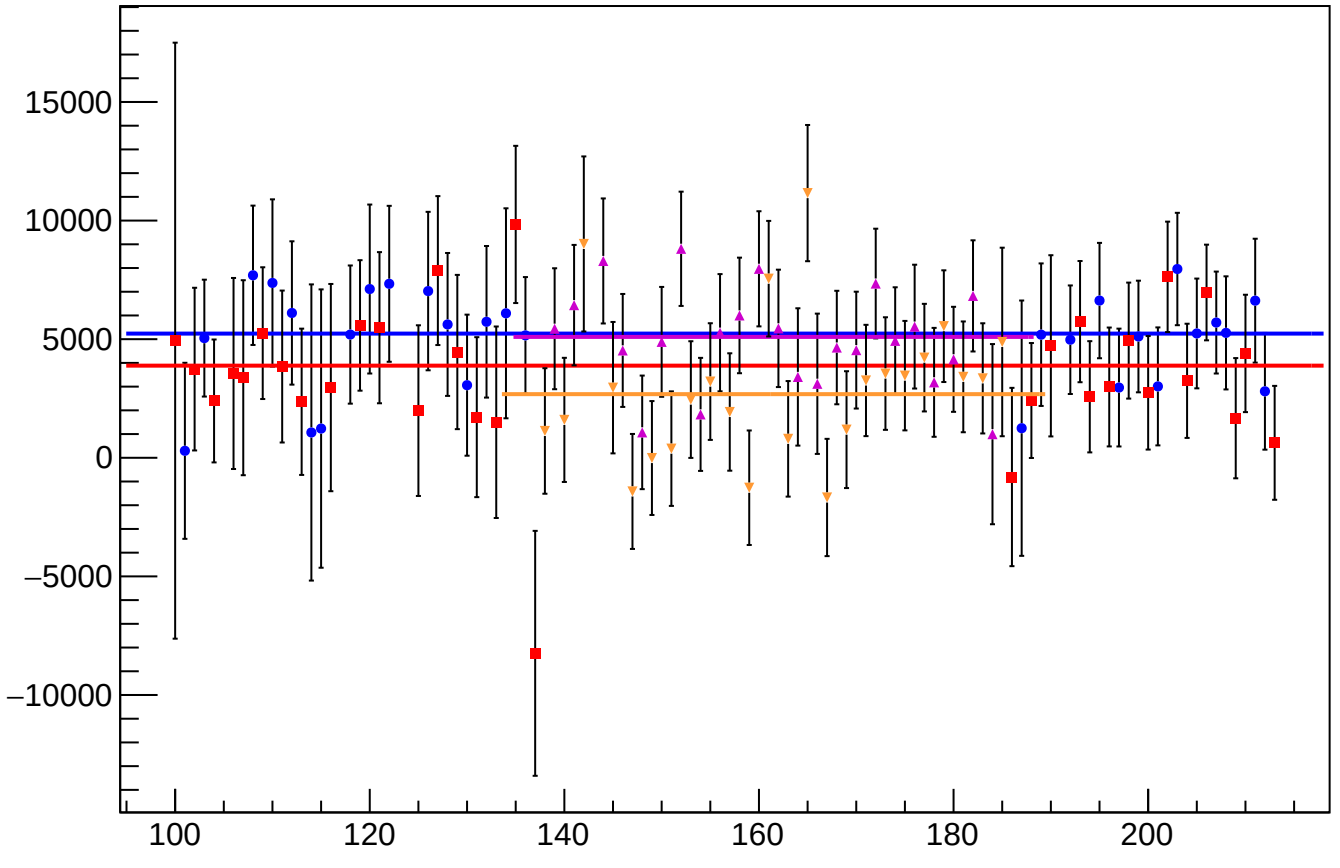
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 10113.128+/-1.238 χ^2/NDF: 4835160.5/60

In: 10262.670+/-1.246 χ^2/NDF:3227292.9/51

Out: 10270.030+/-1.231 χ^2/NDF:3889052.8/55

All: 10266.394+/-0.876 χ^2/NDF: 7116363.4/1



Right In: 5235.603+/-527.491 χ^2/NDF: 10.6/28

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

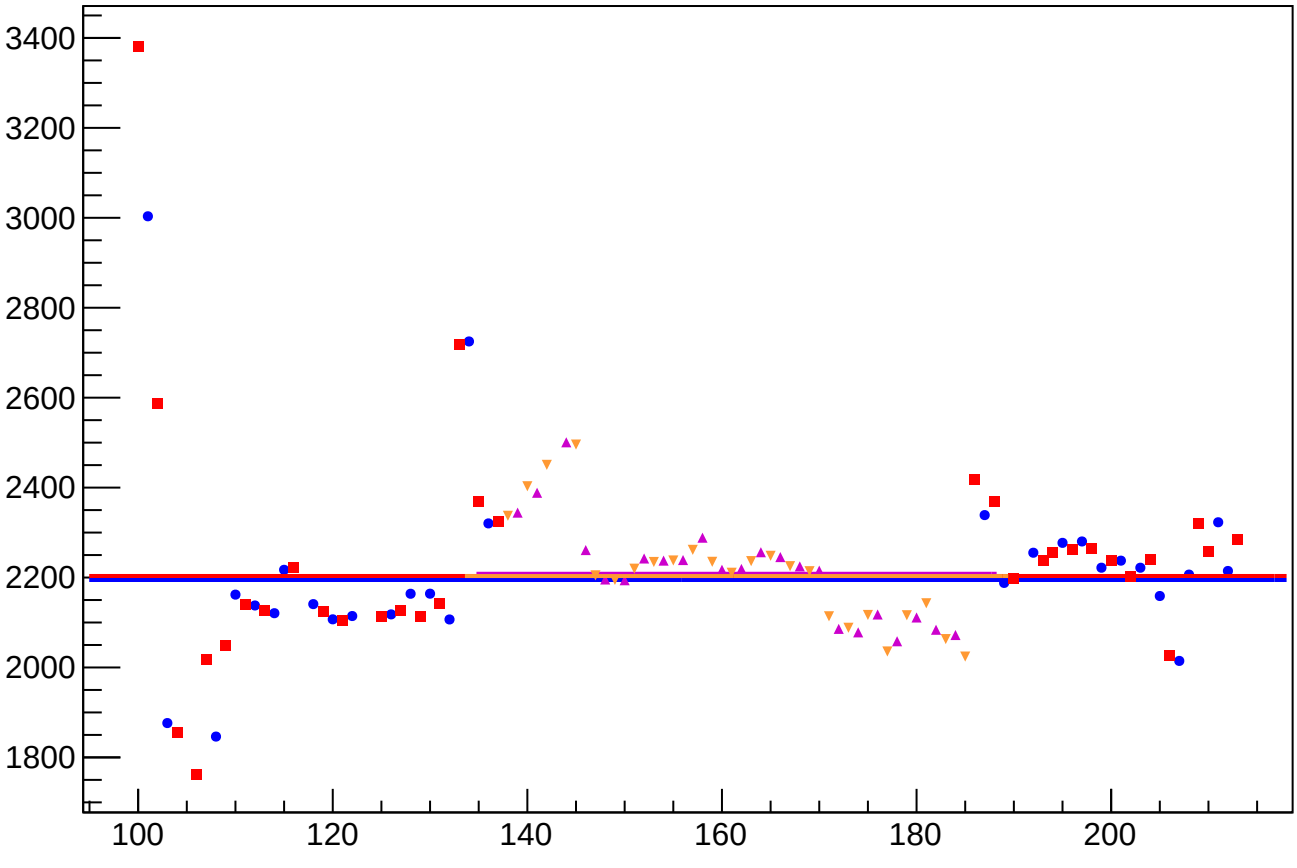
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4543.907+/-368.523 χ^2/NDF: 37.9/60

In: 5164.467+/-368.947 χ^2/NDF:25.5/51

Out: 3280.027+/-363.127 χ^2/NDF:57.5/55

All: 4207.264+/-258.803 χ^2/NDF: 96.3/107



Right In: 2194.527+/-0.373 χ^2/NDF: 225874.9/28

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

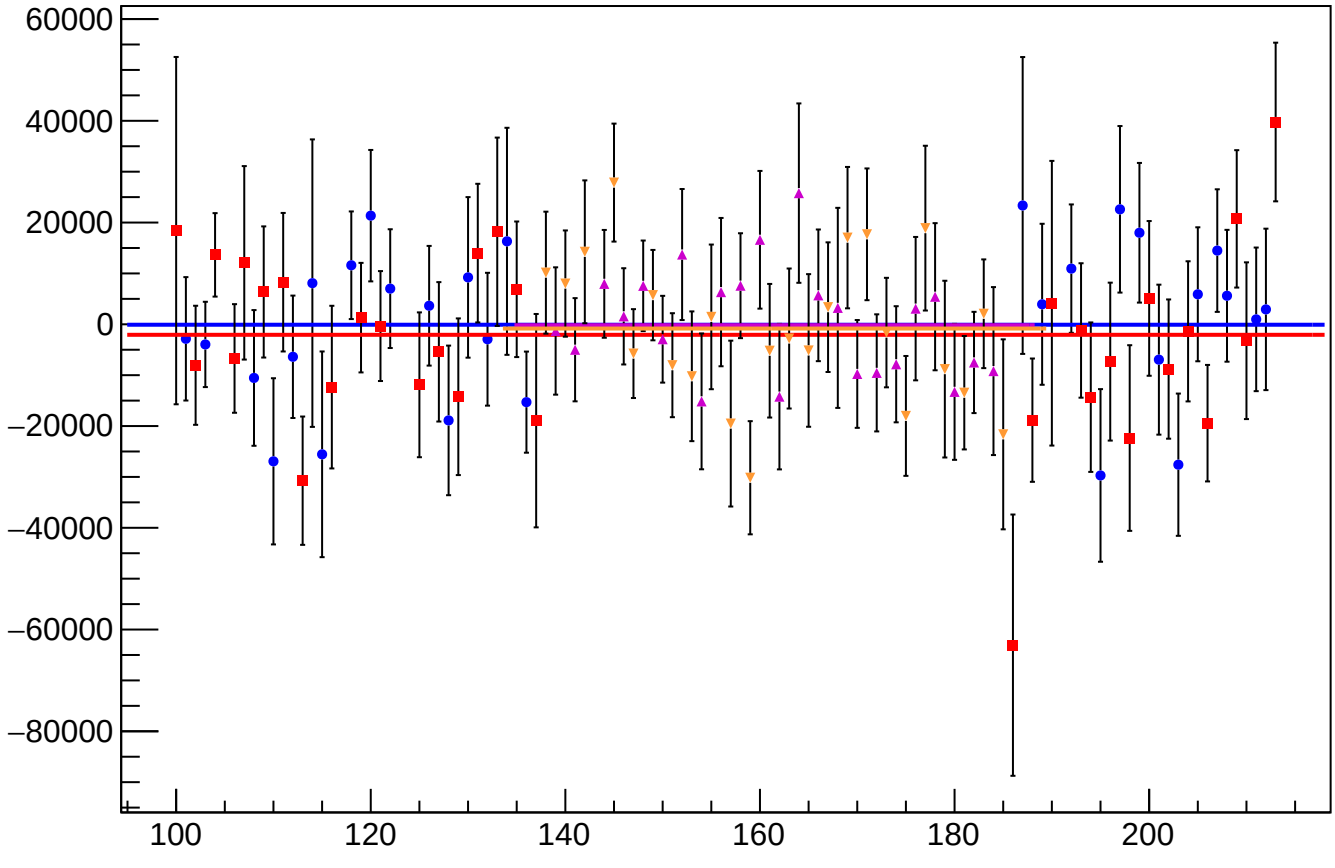
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2199.112+/-0.260 χ^2/NDF: 436866.1/60

In: 2201.603+/-0.261 χ^2/NDF:307573.6/51

Out: 2203.381+/-0.257 χ^2/NDF:298905.1/55

All: 2202.507+/-0.183 χ^2/NDF: 606502.4/107



Right In: -84.985+/-2512.414 χ^2/NDF: 29.1/28

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

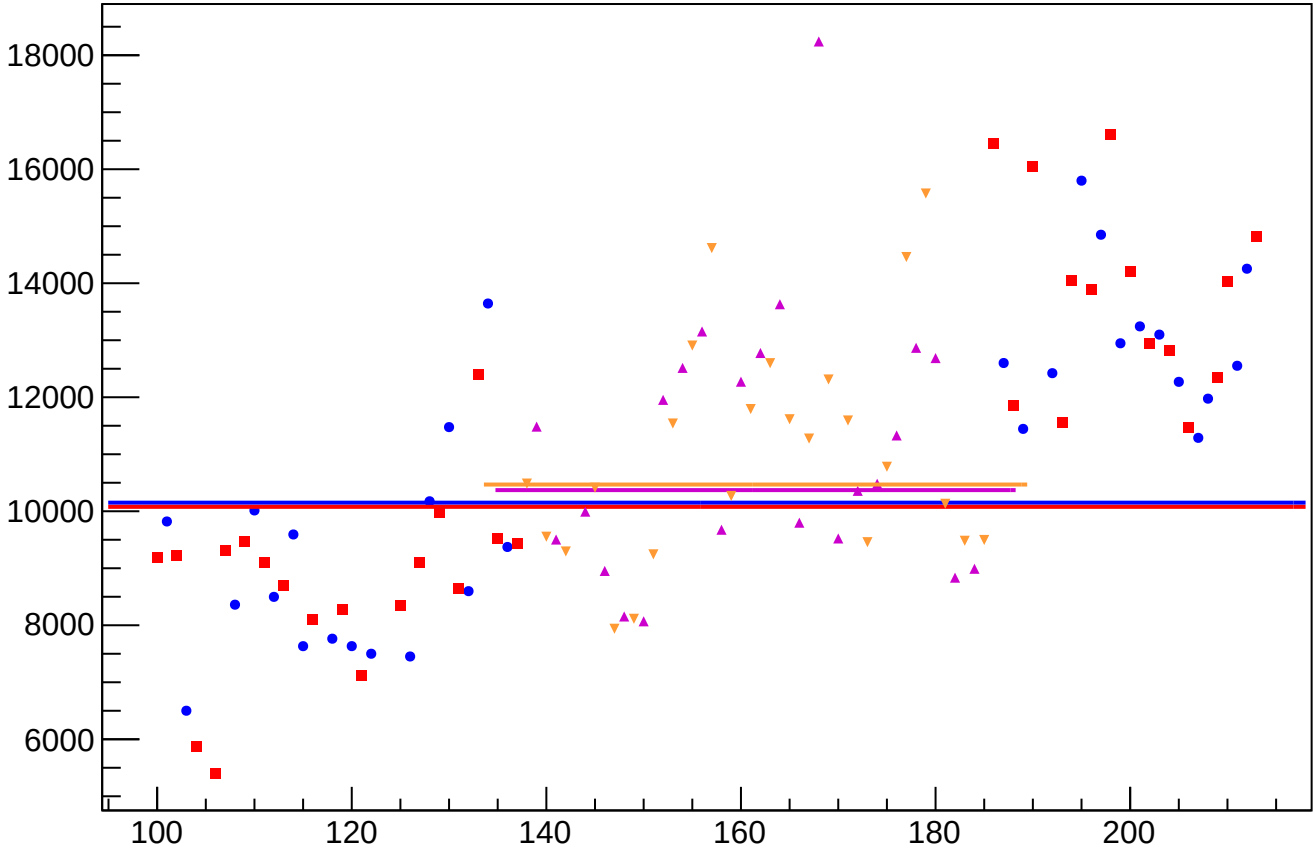
Right: -1102.551+/-1751.488 χ^2/NDF: 68.5/60

In: -134.478+/-1761.800 χ^2/NDF:42.8/51

Out: -1458.679+/-1740.903 χ^2/NDF:68.7/55

All: -804.479+/-1238.327 χ^2/NDF: 111.8/107

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 10150.815+/-1.777 χ^2/NDF: 2015729.7/28

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

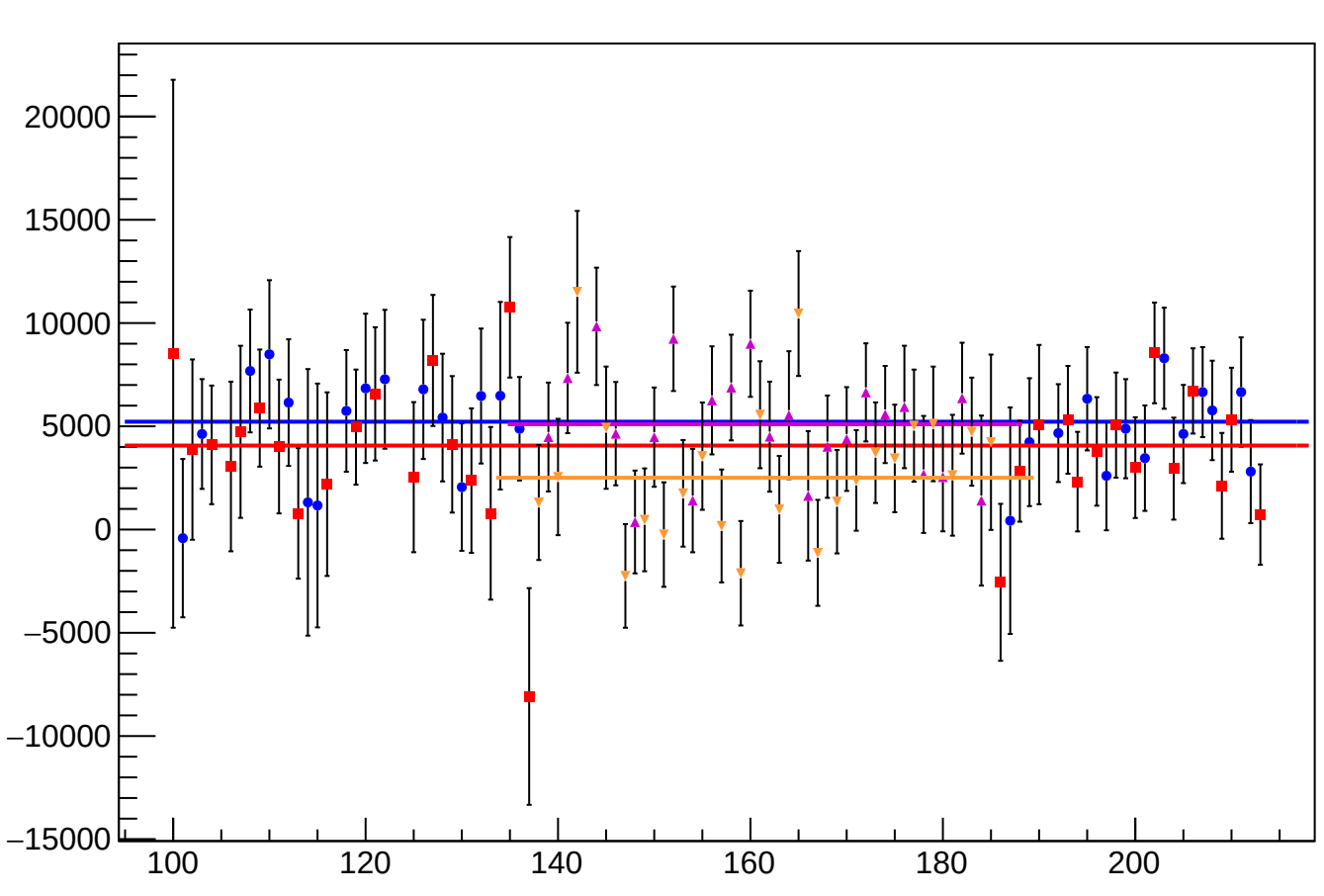
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 10113.128+/-1.238 χ^2/NDF: 4835160.5/60

In: 10262.670+/-1.246 χ^2/NDF:3227292.9/51

Out: 10270.030+/-1.231 χ^2/NDF:3889052.8/55

All: 10266.394+/-0.876 χ^2/NDF: 7116363.4/1



Right In: 5222.307+/-541.192 χ^2/NDF: 12.7/28

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

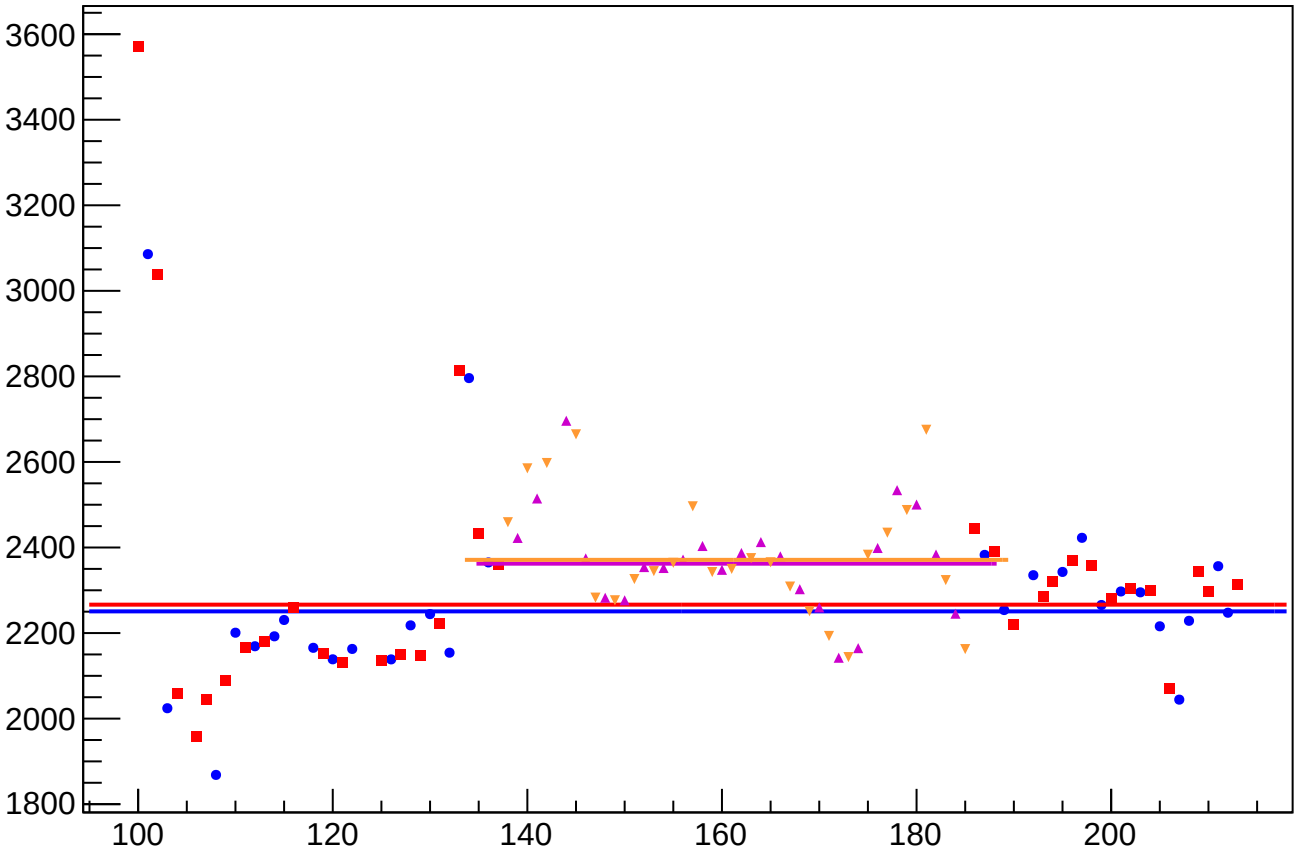
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4633.348+/-378.781 χ^2/NDF: 42.0/60

In: 5163.893+/-386.645 χ^2/NDF:32.7/51

Out: 3319.030+/-382.297 χ^2/NDF:60.9/55

All: 4231.030+/-271.849 χ^2/NDF: 105.1/107



Right In: 2250.690+/-0.383 χ^2/NDF: 224650.5/28

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

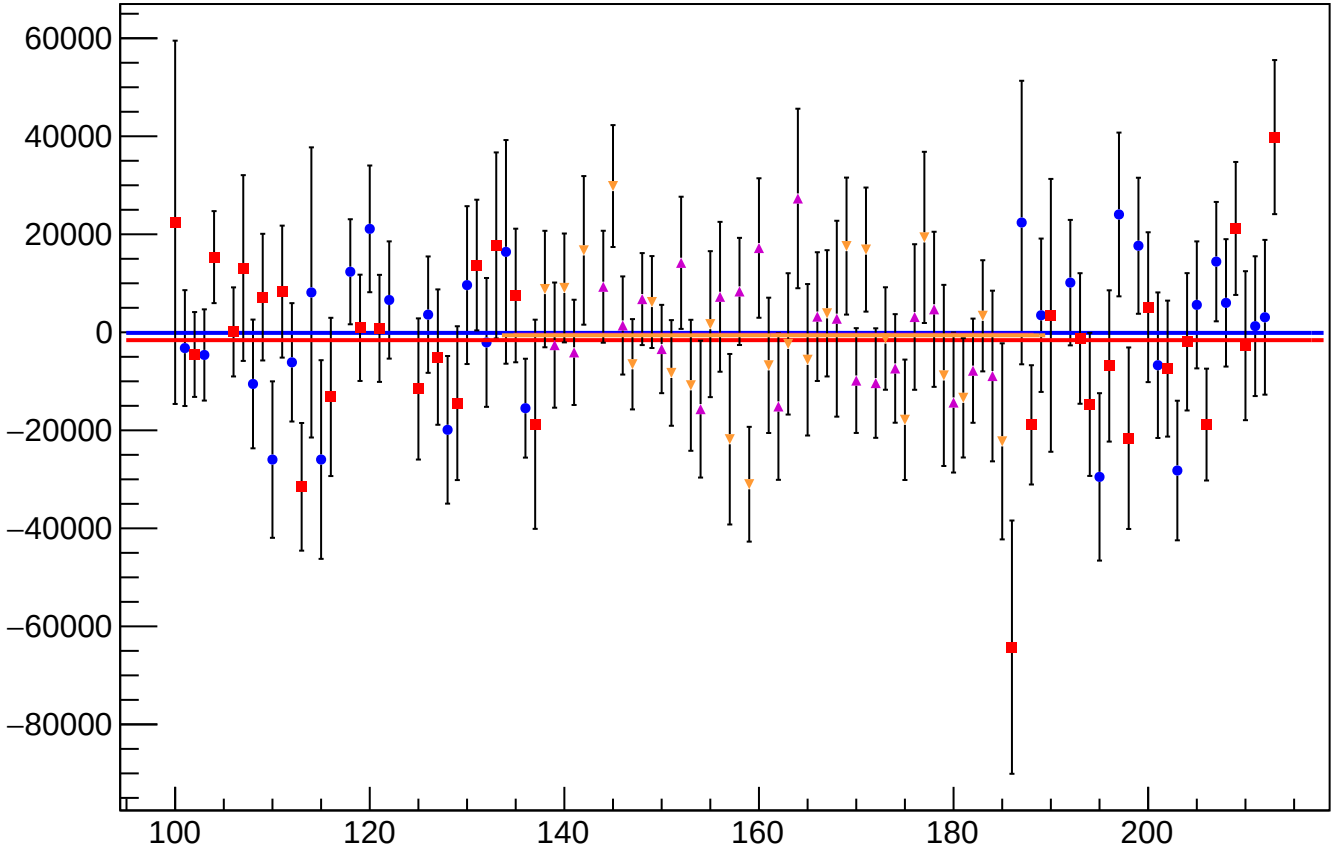
Right: 2258.706+/-0.268 χ^2/NDF: 439770.1/60

In: 2305.293+/-0.273 χ^2/NDF:358130.8/51

Out: 2316.696+/-0.270 χ^2/NDF:368036.9/55

All: 2311.060+/-0.192 χ^2/NDF: 727047.5/107

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -117.531+/-2548.095 χ^2/NDF: 28.9/28

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

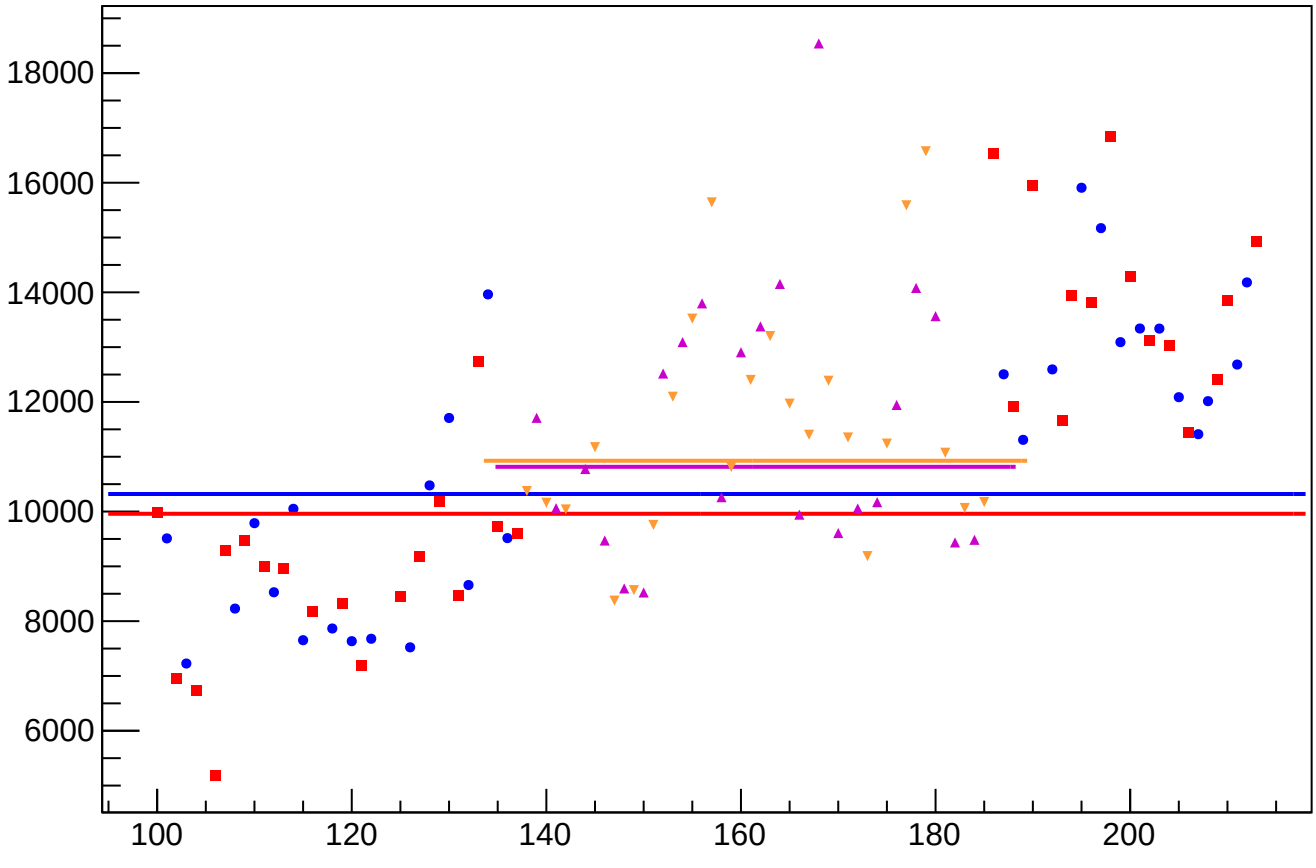
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

Right: -898.464+/-1752.524 χ^2/NDF: 67.5/60

In: -301.671+/-1811.982 χ^2/NDF:42.5/51

Out: -1138.646+/-1765.957 χ^2/NDF:67.4/55

All: -730.924+/-1264.679 χ^2/NDF: 109.9/107



Right In: 10320.245+/-1.802 χ^2/NDF: 1851644.8/28

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

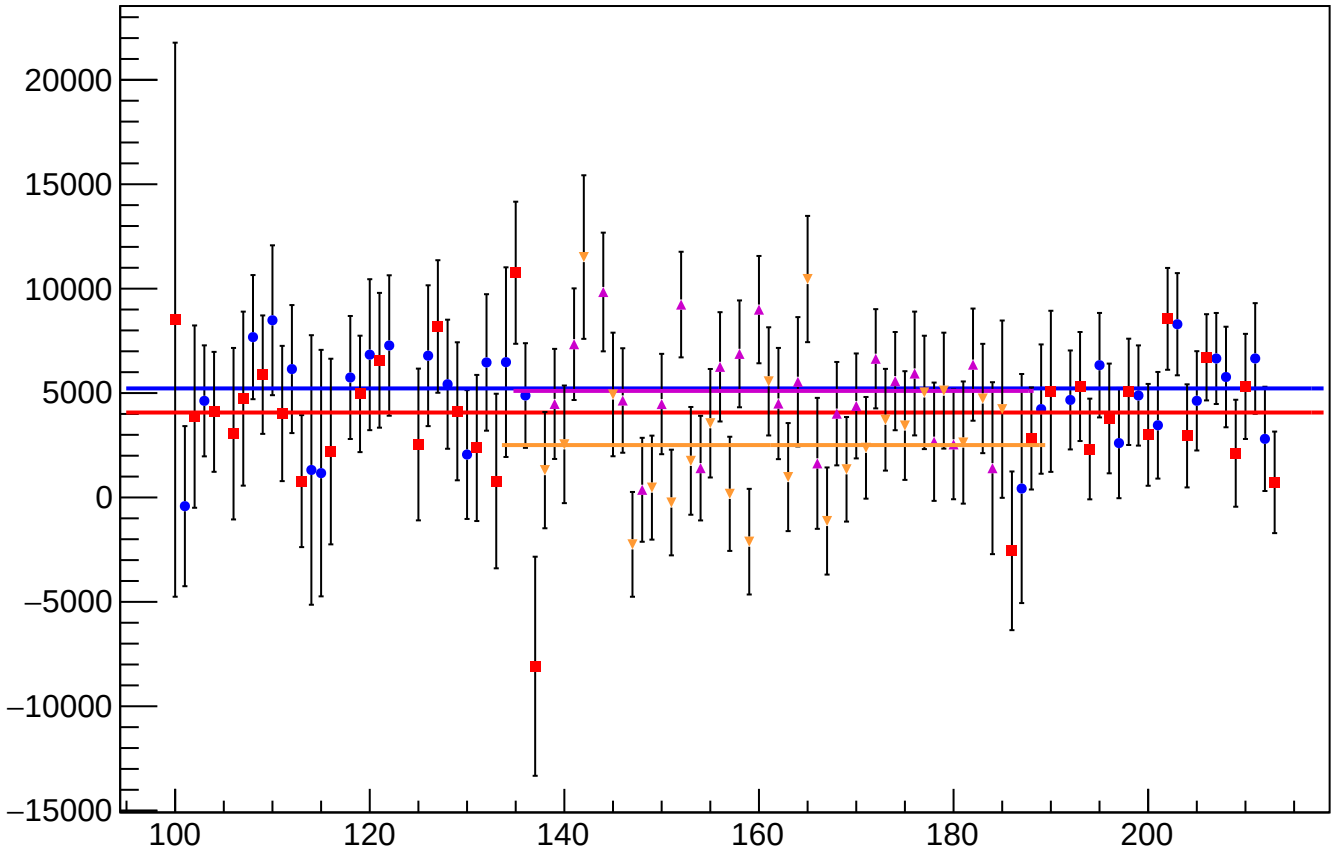
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 10130.142+/-1.239 χ^2/NDF: 4871381.4/60

In: 10565.464+/-1.281 χ^2/NDF:3085937.2/51

Out: 10409.250+/-1.249 χ^2/NDF:4205239.9/55

All: 10485.348+/-0.894 χ^2/NDF: 7298800.7/



Right In: 5222.303+/-541.192 χ^2/NDF: 12.7/28

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

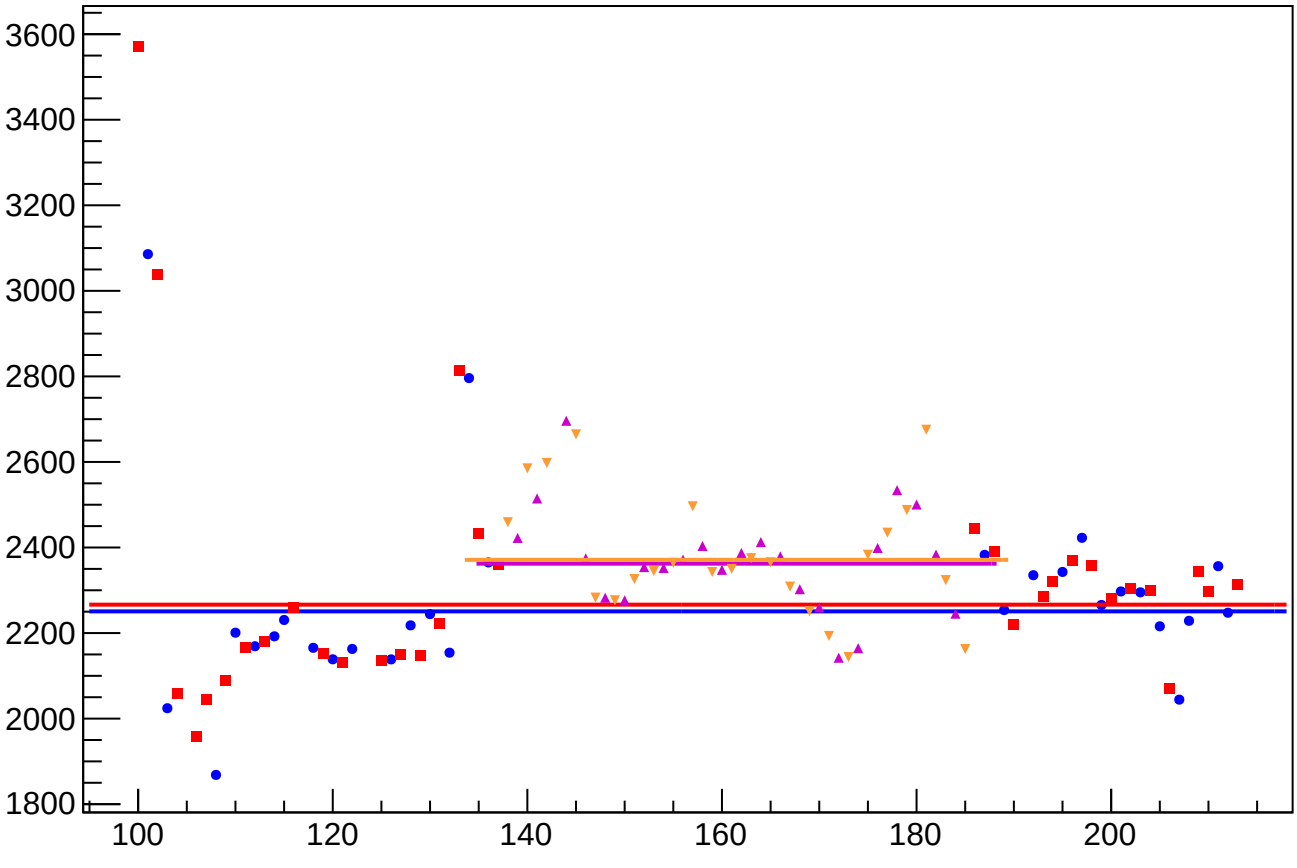
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4633.345+/-378.781 χ^2/NDF: 42.0/60

In: 5163.892+/-386.645 χ^2/NDF:32.7/51

Out: 3319.023+/-382.297 χ^2/NDF:60.9/55

All: 4231.026+/-271.849 χ^2/NDF: 105.1/107



Right In: 2250.690+/-0.383 χ^2/NDF: 224650.9/28

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

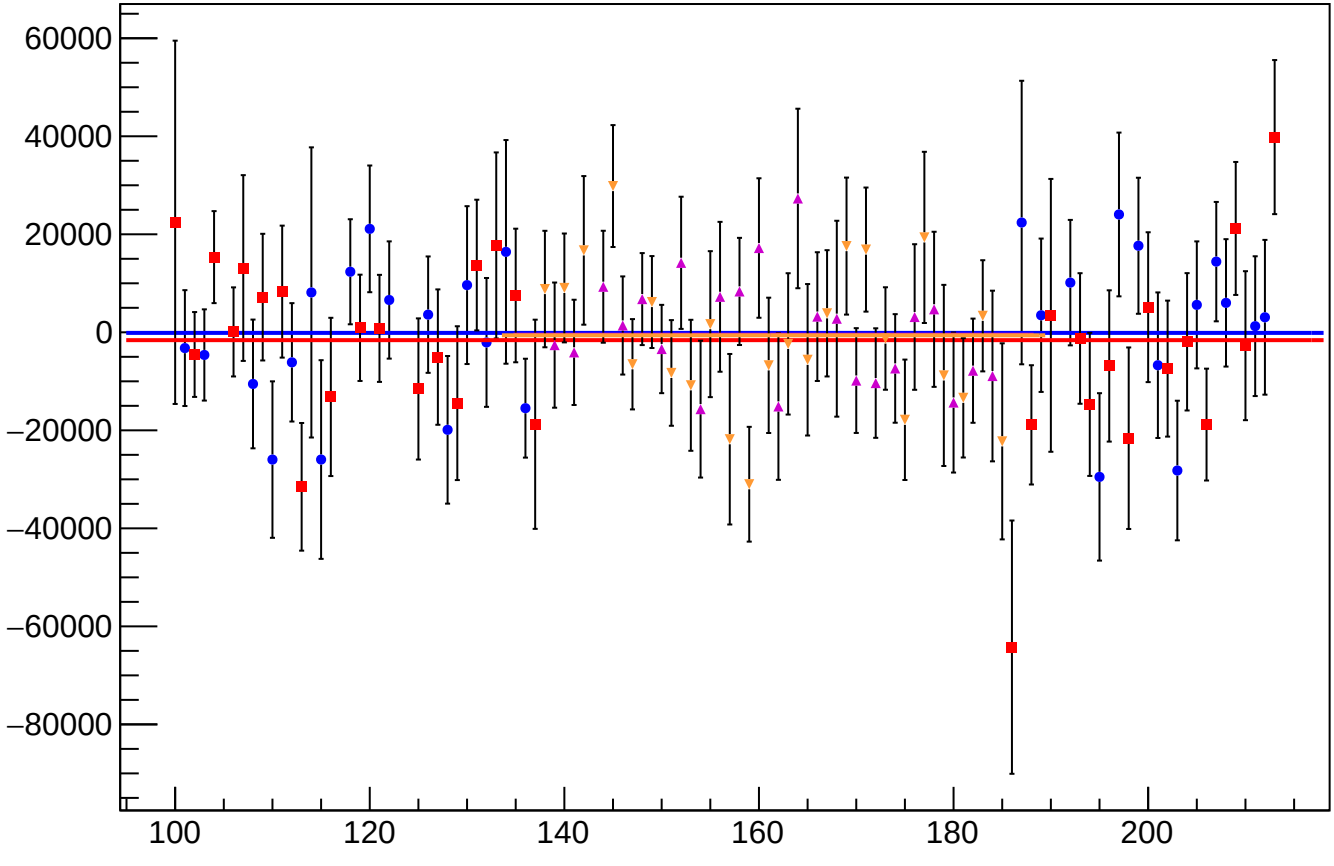
Right: 2258.706+/-0.268 χ^2/NDF: 439770.9/60

In: 2305.294+/-0.273 χ^2/NDF:358138.2/51

Out: 2316.697+/-0.270 χ^2/NDF:368044.1/55

All: 2311.061+/-0.192 χ^2/NDF: 727062.1/107

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -117.525+/-2548.093 χ^2/NDF: 28.9/28

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

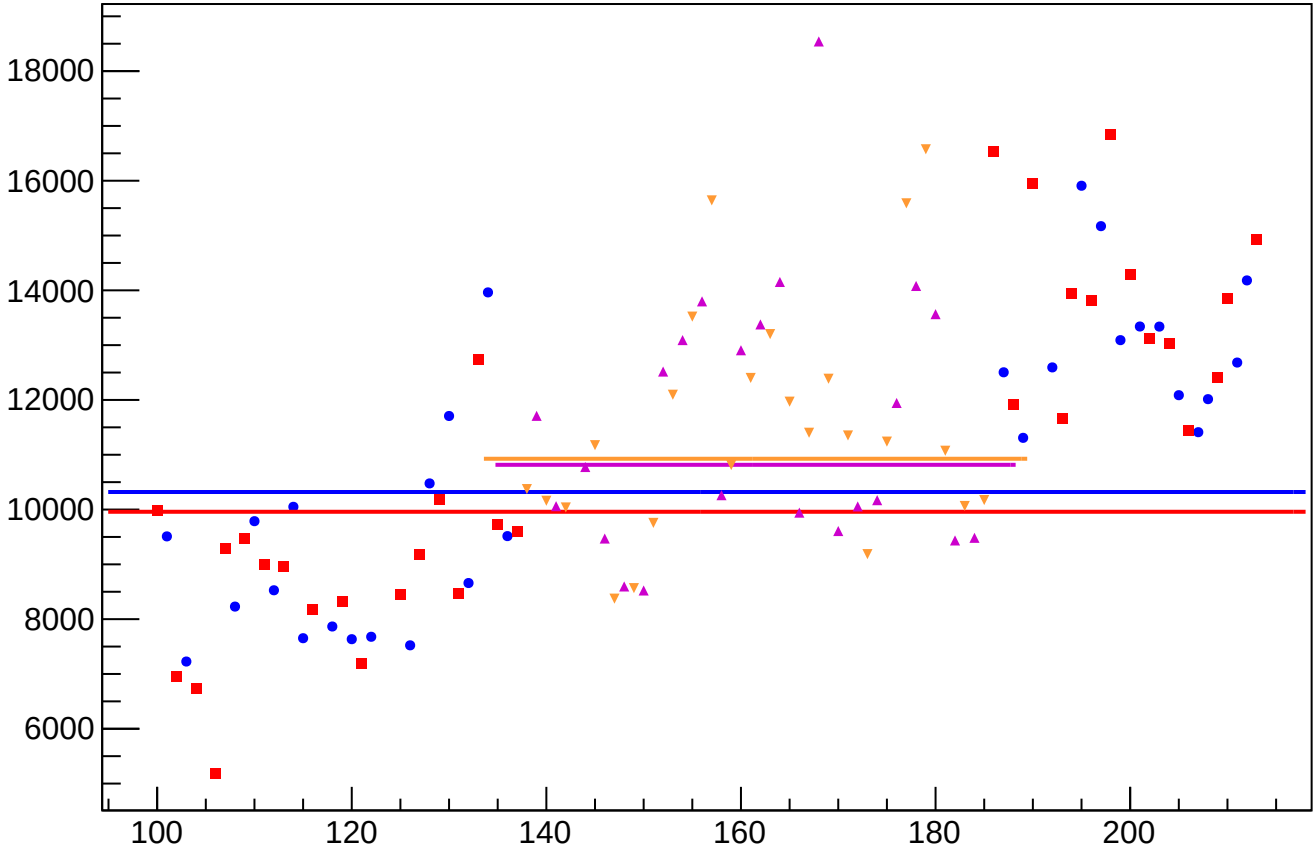
Right: -898.456+/-1752.523 χ^2/NDF: 67.5/60

In: -301.669+/-1811.983 χ^2/NDF:42.5/51

Out: -1138.646+/-1765.957 χ^2/NDF:67.4/55

All: -730.923+/-1264.679 χ^2/NDF: 109.9/107

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 10320.234+/-1.802 χ^2/NDF: 1851675.7/28

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

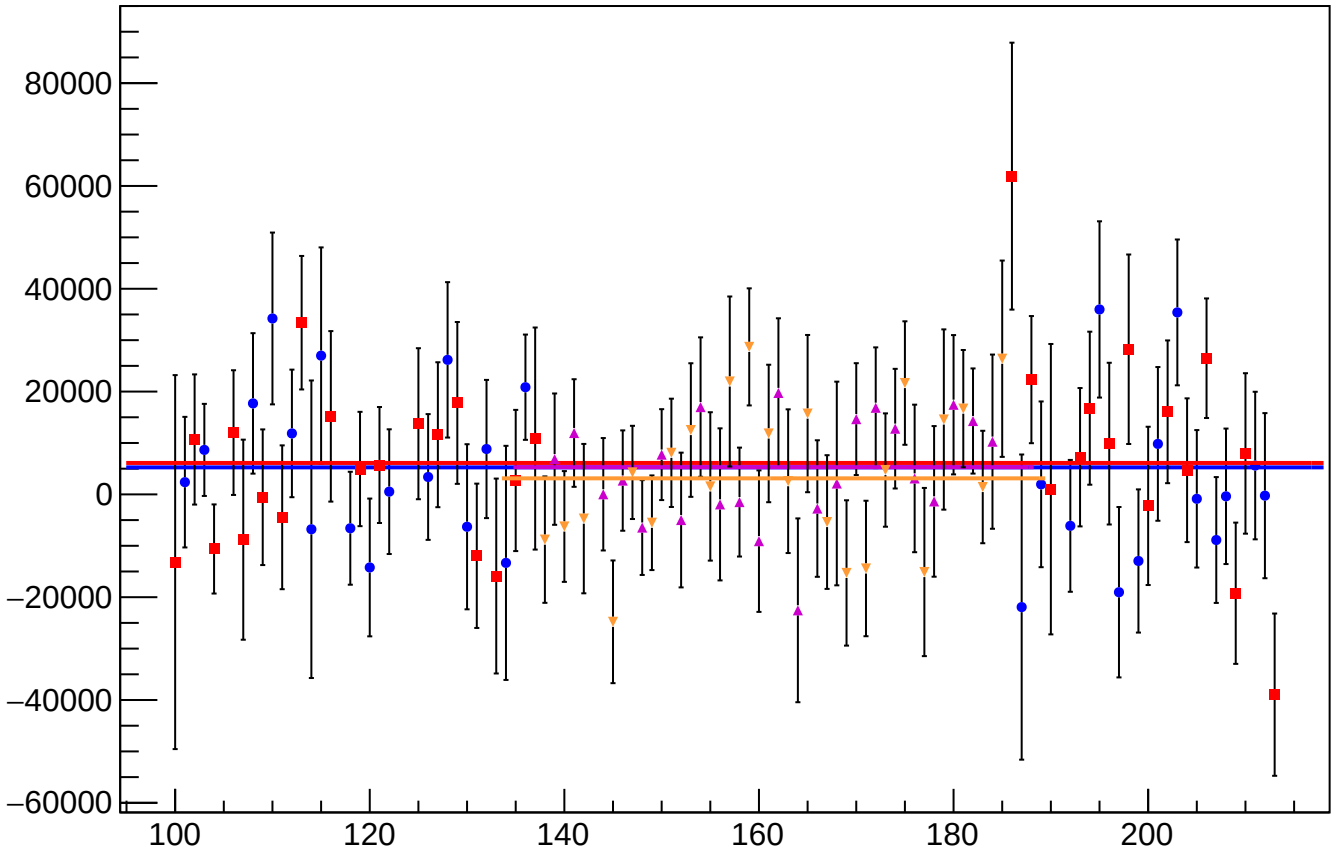
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 10130.130+/-1.239 χ^2/NDF: 4871439.5/60

In: 10565.467+/-1.281 χ^2/NDF:3085975.8/51

Out: 10409.251+/-1.249 χ^2/NDF:4205278.7/55

All: 10485.349+/-0.894 χ^2/NDF: 7298878.3/



Right In: 5254.455+/-2585.495 χ^2/NDF: 29.7/28

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

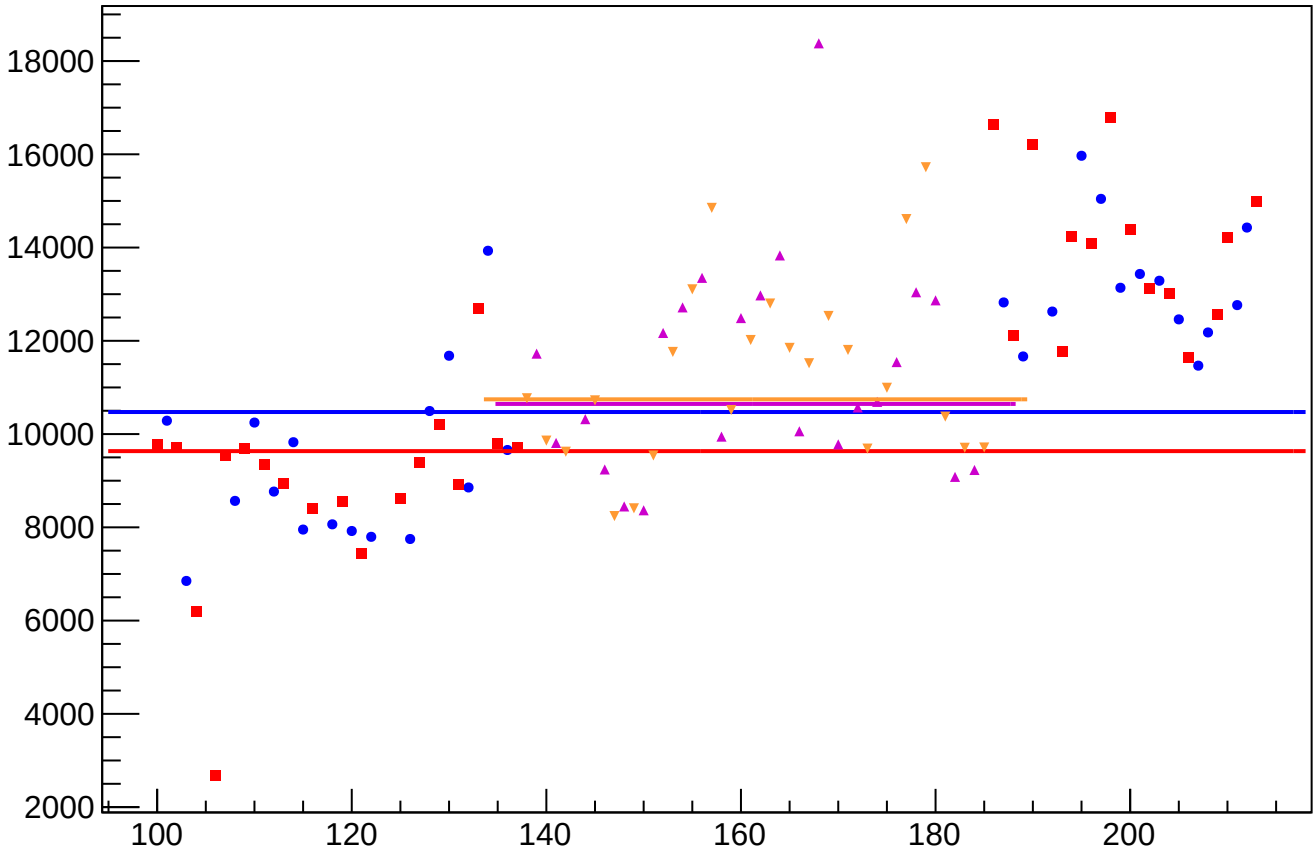
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 5694.828+/-1806.795 χ^2/NDF: 68.2/60

In: 5272.958+/-1809.374 χ^2/NDF:43.0/51

Out: 4627.155+/-1792.058 χ^2/NDF:66.6/55

All: 4946.951+/-1273.254 χ^2/NDF: 109.7/107



Right In: 10473.096+/-1.828 χ^2/NDF: 1829733.3/28

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

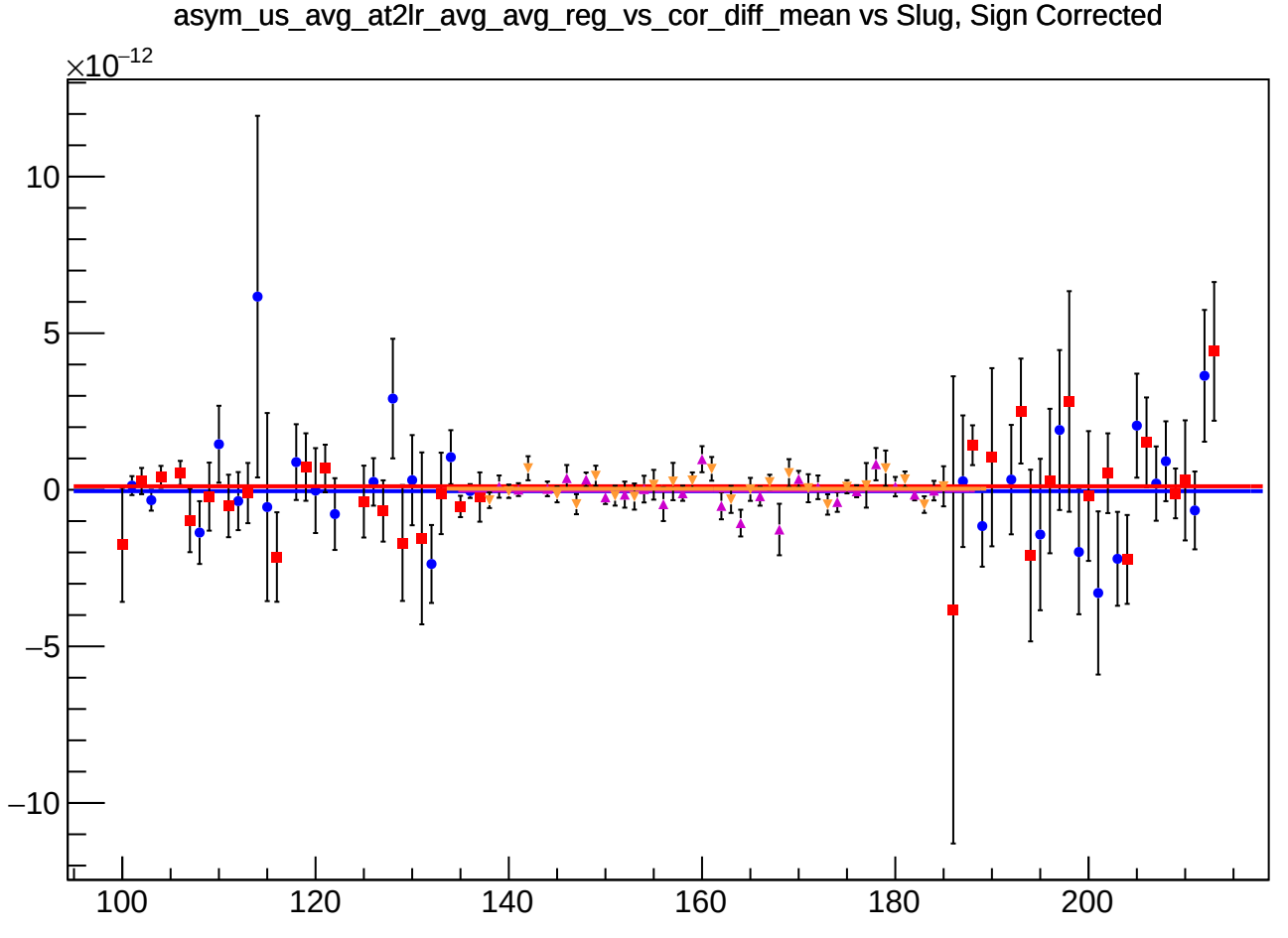
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 10024.625+/-1.247 χ^2/NDF: 6602824.3/60

In: 10561.564+/-1.279 χ^2/NDF:2948386.5/51

Out: 10160.453+/-1.237 χ^2/NDF:5826138.8/55

All: 10354.281+/-0.889 χ^2/NDF: 8825318.2/1



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/28

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

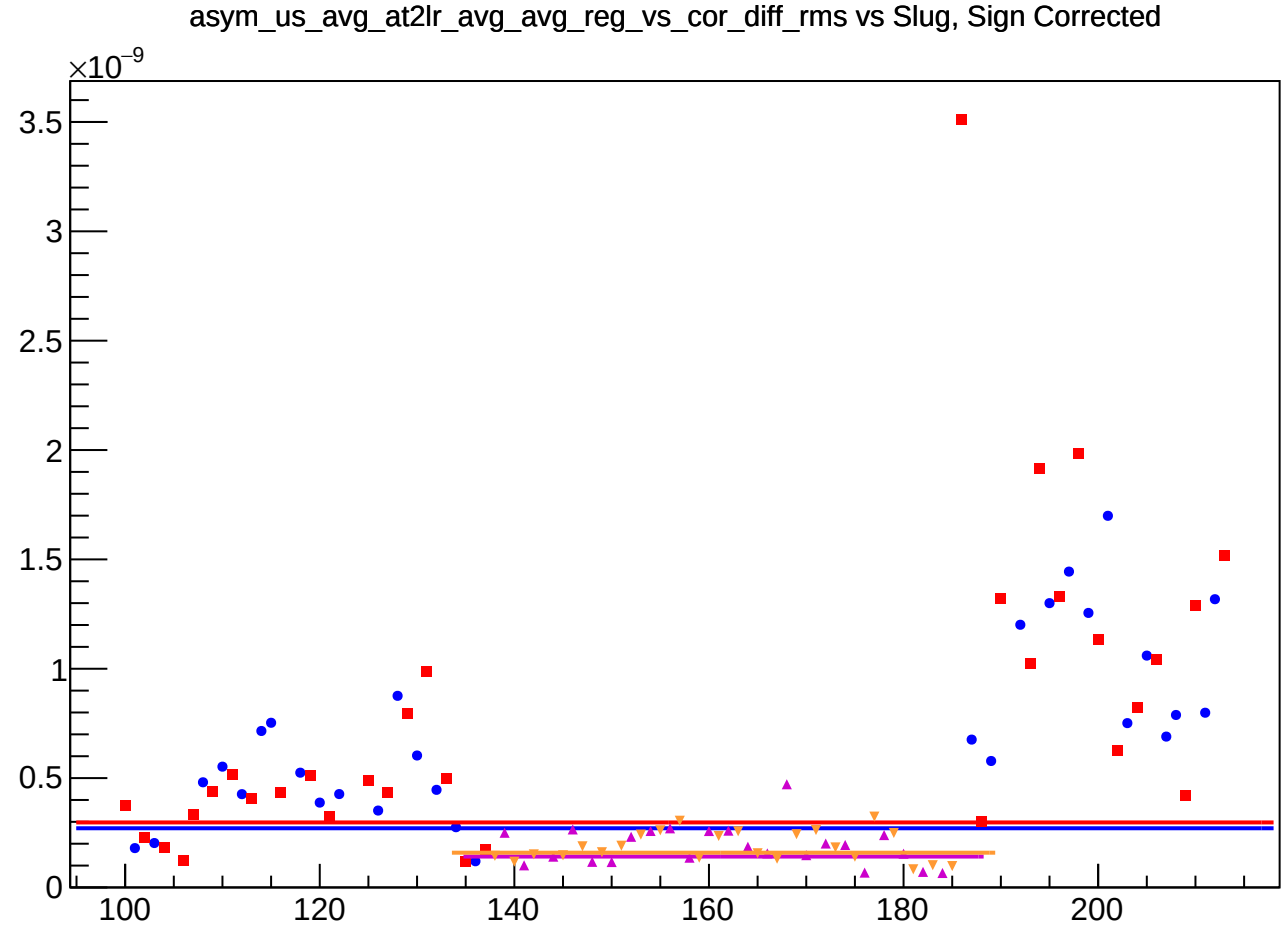
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 56.5/60

In: -0.000+/-0.000 χ^2/NDF:54.0/51

Out: 0.000+/-0.000 χ^2/NDF:56.3/55

All: 0.000+/-0.000 χ^2/NDF: 111.2/107



Right In: 0.000+/-0.000 χ^2/NDF: 6740847.2/28

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

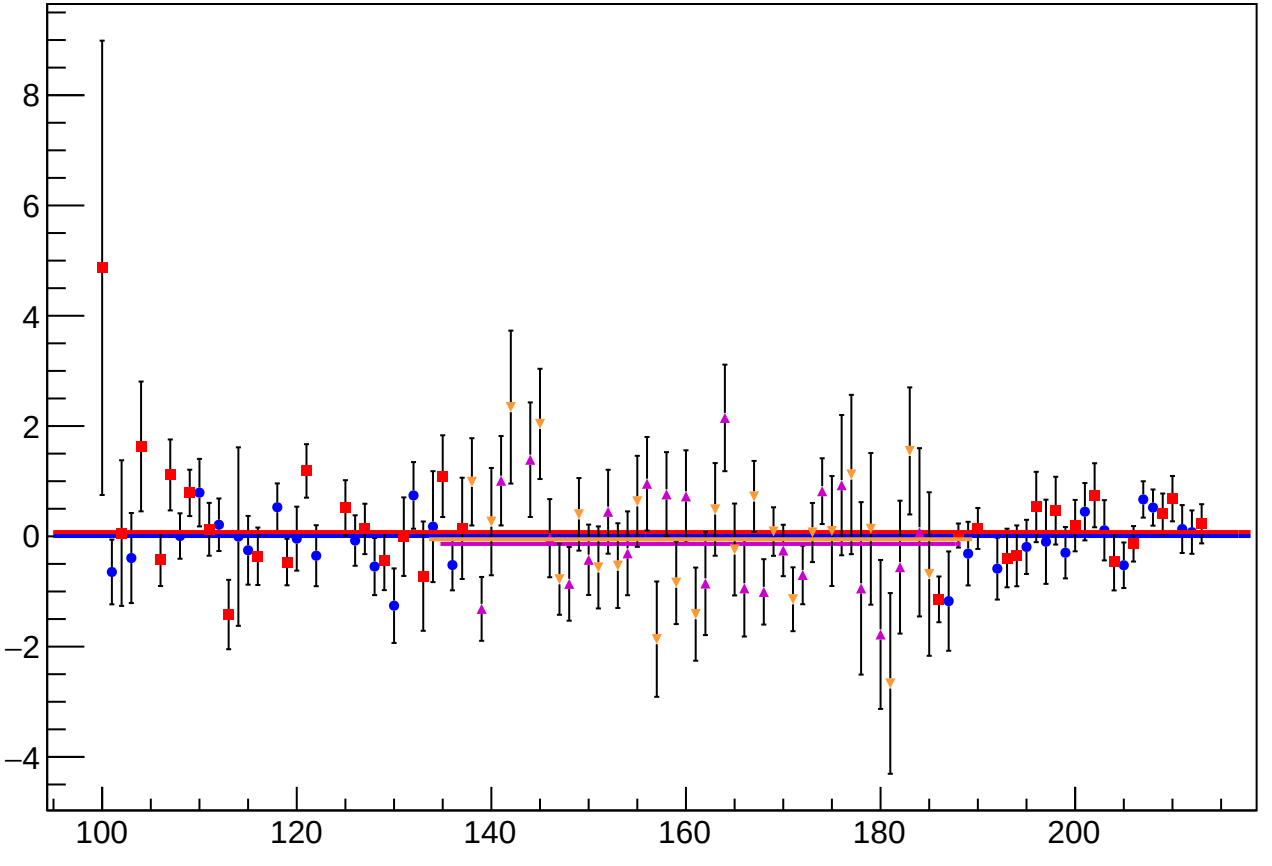
Right: 0.000+/-0.000 χ^2/NDF: 13738531.6/60

In: 0.000+/-0.000 χ^2/NDF:10658923.0/51

Out: 0.000+/-0.000 χ^2/NDF:9785020.5/55

All: 0.000+/-0.000 χ^2/NDF: 20559104.5/107

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.094 χ^2/NDF: 25.6/28

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

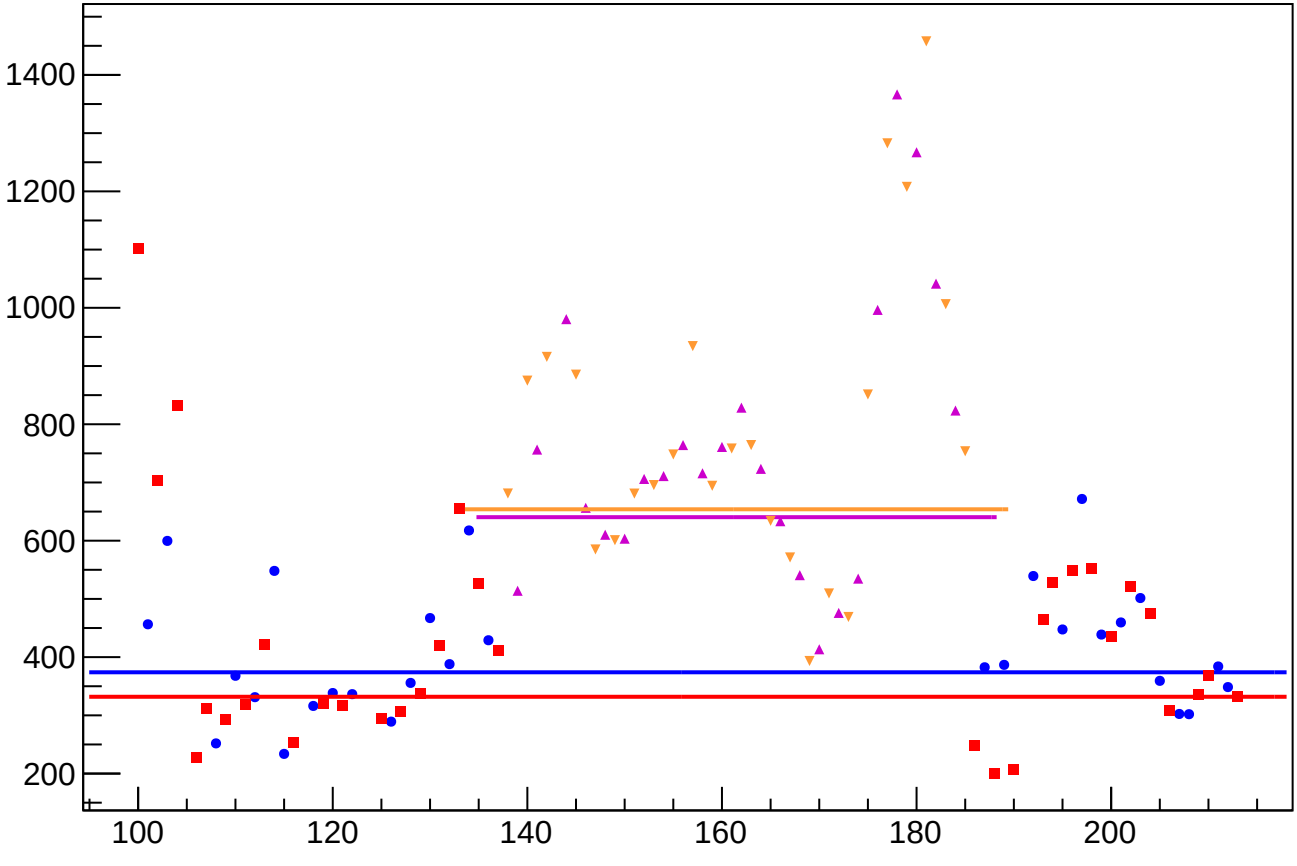
Right: 0.046+/-0.063 χ^2/NDF: 70.3/60

In: -0.032+/-0.081 χ^2/NDF:56.2/51

Out: 0.050+/-0.075 χ^2/NDF:75.0/55

All: 0.012+/-0.055 χ^2/NDF: 131.7/107

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 373.965+/-0.067 χ^2/NDF: 1745617.2/28

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

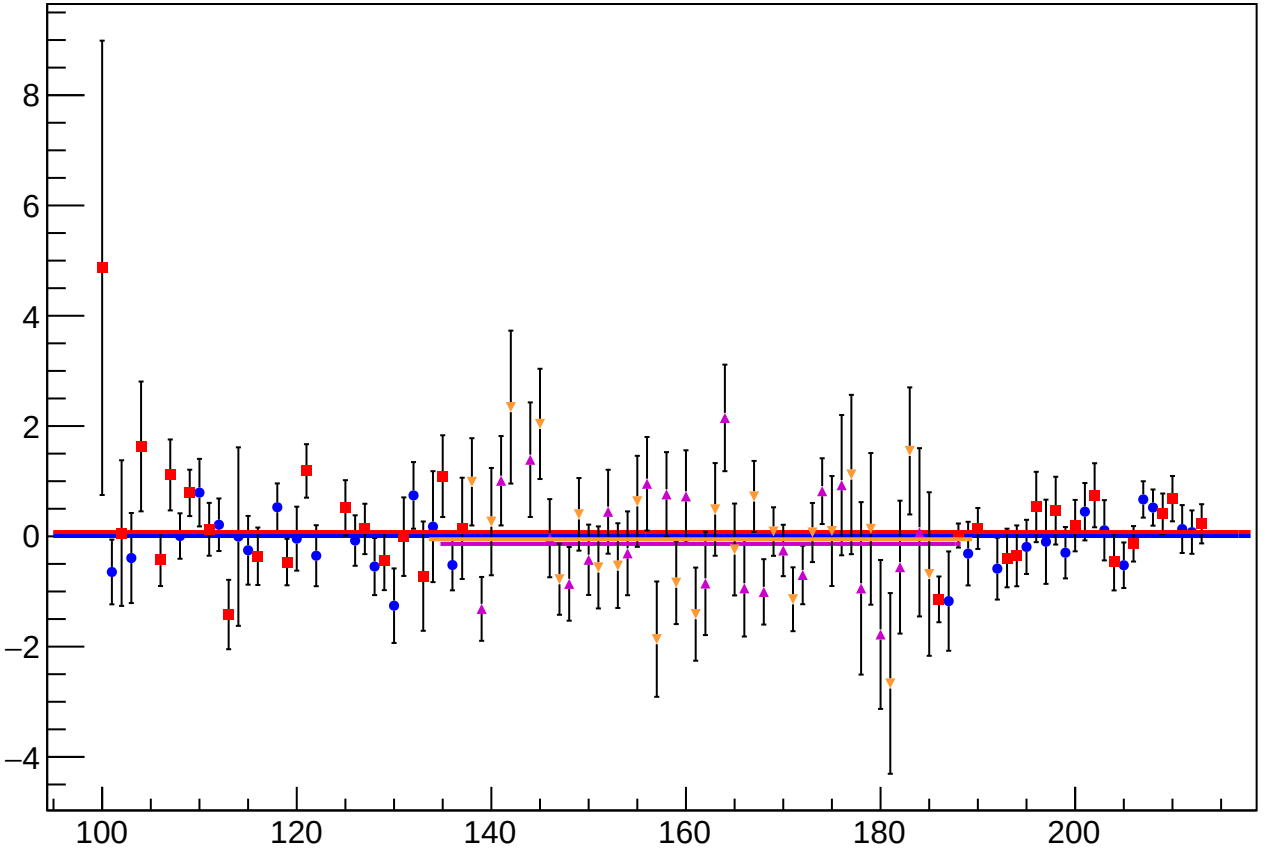
Right: 350.568+/-0.044 χ^2/NDF: 5573209.2/60

In: 444.170+/-0.057 χ^2/NDF:8589072.1/51

Out: 400.989+/-0.053 χ^2/NDF:12990449.4/55

All: 420.830+/-0.039 χ^2/NDF: 21886476.2/10

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.094 χ^2/NDF: 25.6/28

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

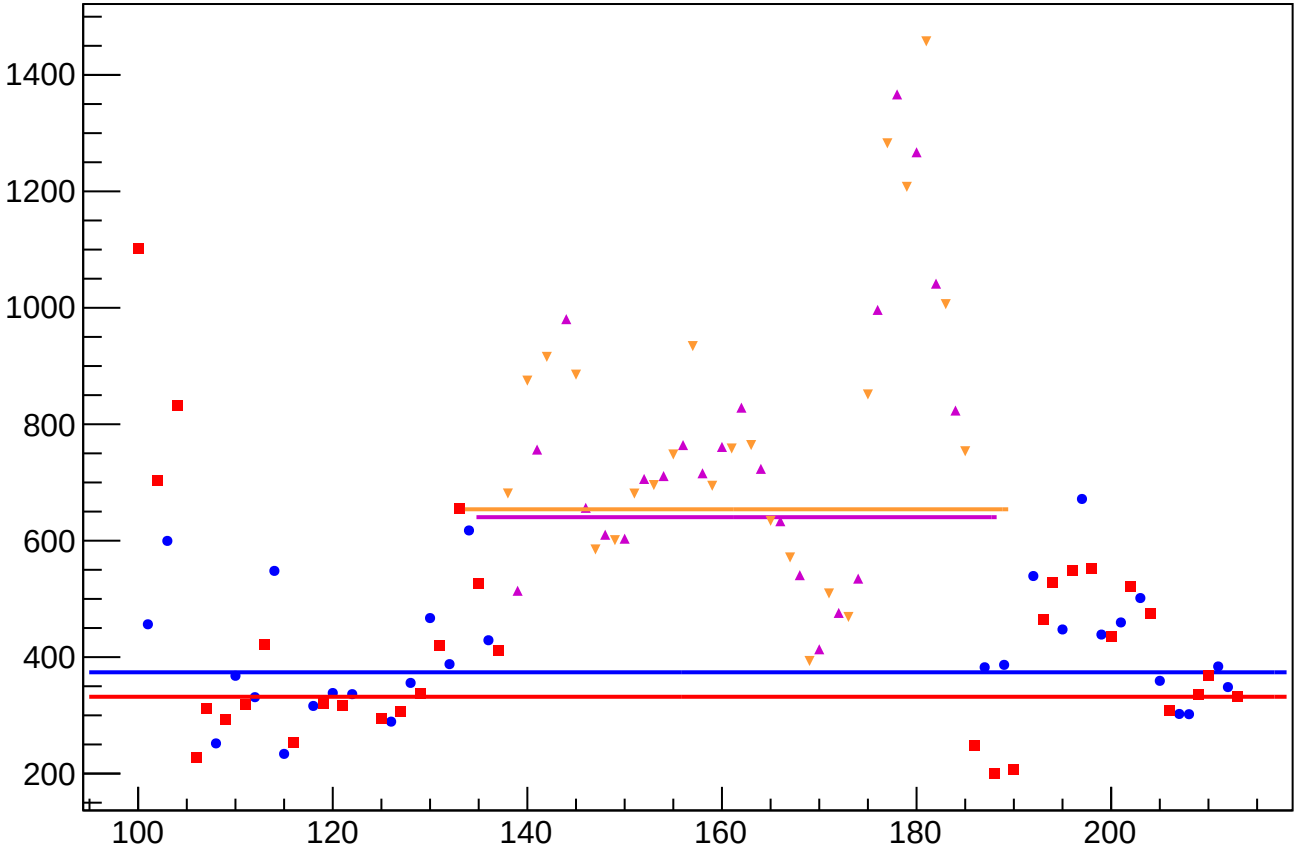
Right: 0.046+/-0.063 χ^2/NDF: 70.3/60

In: -0.032+/-0.081 χ^2/NDF:56.2/51

Out: 0.050+/-0.075 χ^2/NDF:75.0/55

All: 0.012+/-0.055 χ^2/NDF: 131.7/107

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 373.965+/-0.067 χ^2/NDF: 1745617.2/28

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

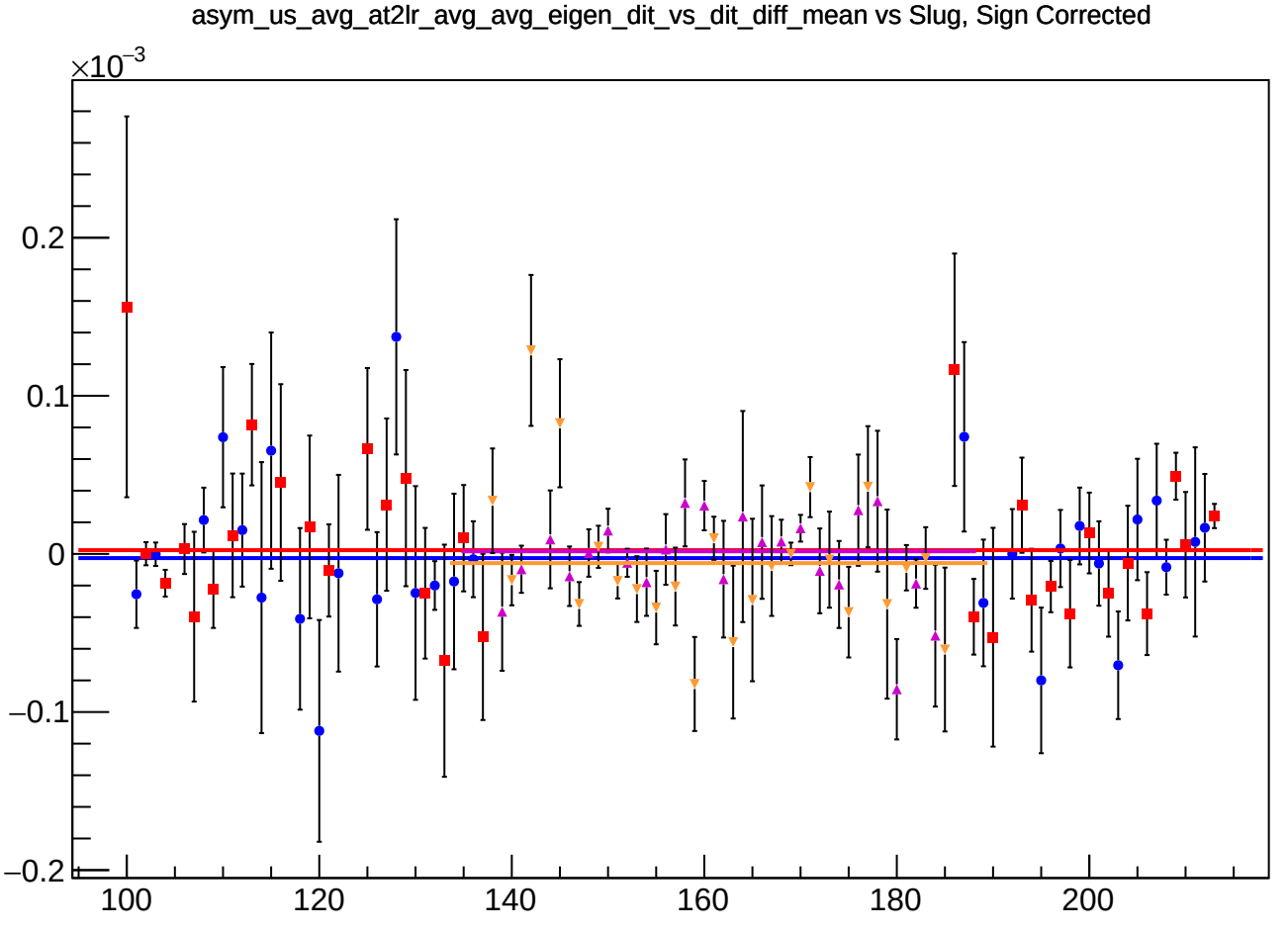
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 350.568+/-0.044 χ^2/NDF: 5573209.2/60

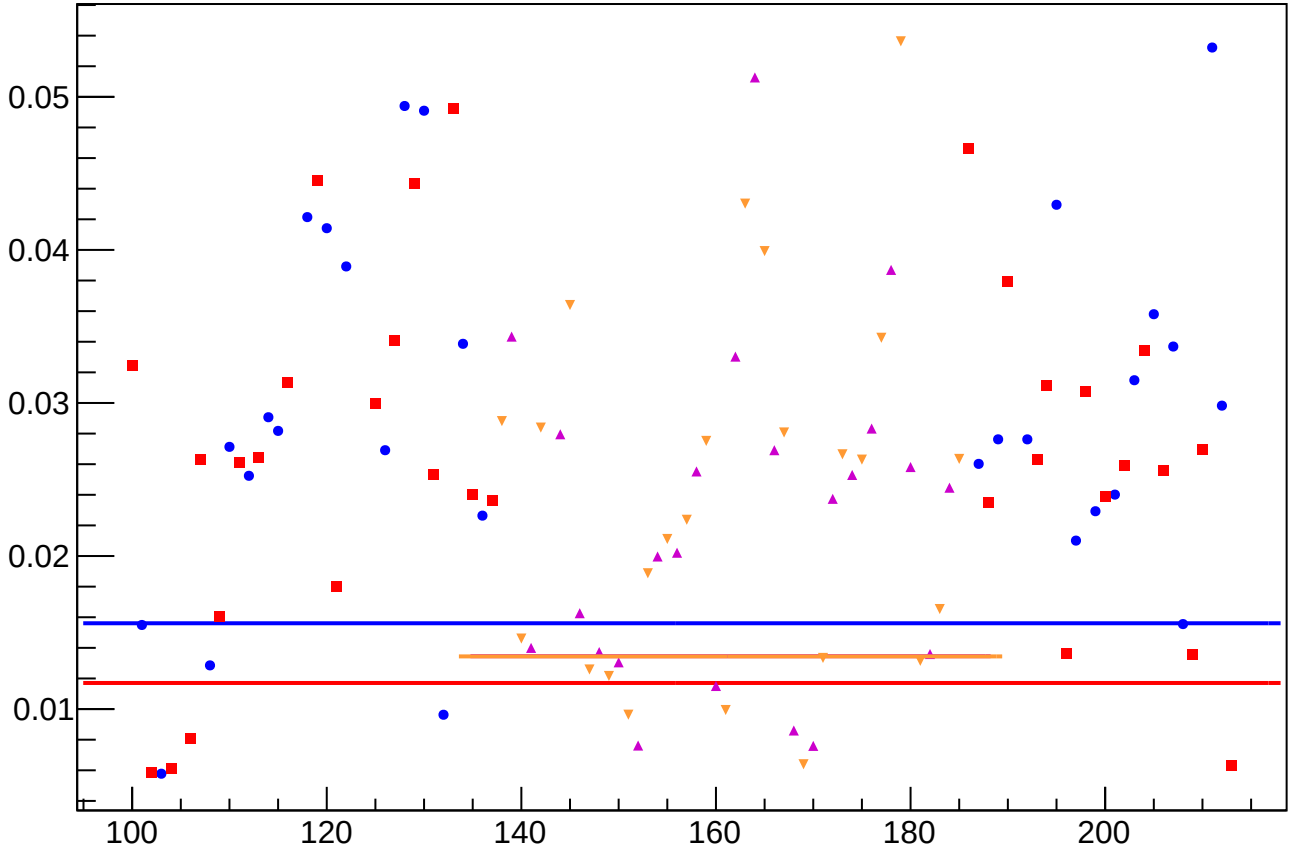
In: 444.170+/-0.057 χ^2/NDF:8589072.1/51

Out: 400.989+/-0.053 χ^2/NDF:12990449.4/55

All: 420.830+/-0.039 χ^2/NDF: 21886476.2/10


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.6/28
Left Out: -0.000+/-0.000 χ²/NDF:42.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 52.1/31
Left In: 0.000+/-0.000 χ²/NDF:25.6/22
Left: -0.000+/-0.000 χ²/NDF: 70.2/46
Right: 0.000+/-0.000 χ²/NDF: 79.5/60
In: -0.000+/-0.000 χ²/NDF:52.7/51
Out: -0.000+/-0.000 χ²/NDF:97.3/55
All: -0.000+/-0.000 χ²/NDF: 150.2/107

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 11053724.0/28

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

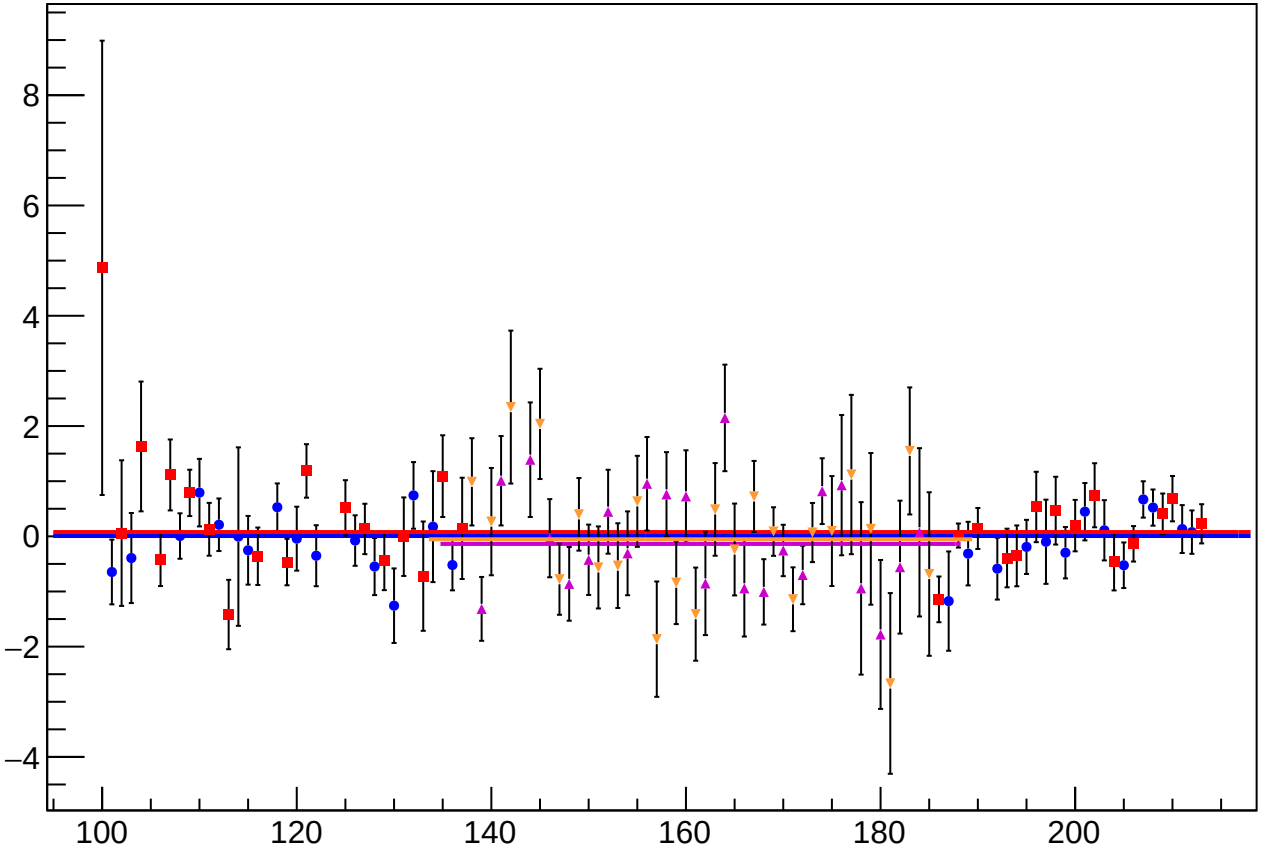
Right: 0.013+/-0.000 χ^2/NDF: 24914289.0/60

In: 0.014+/-0.000 χ^2/NDF:18863302.8/51

Out: 0.013+/-0.000 χ^2/NDF:22048209.9/55

All: 0.013+/-0.000 χ^2/NDF: 41332881.5/107

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.094 χ^2/NDF: 25.6/28

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

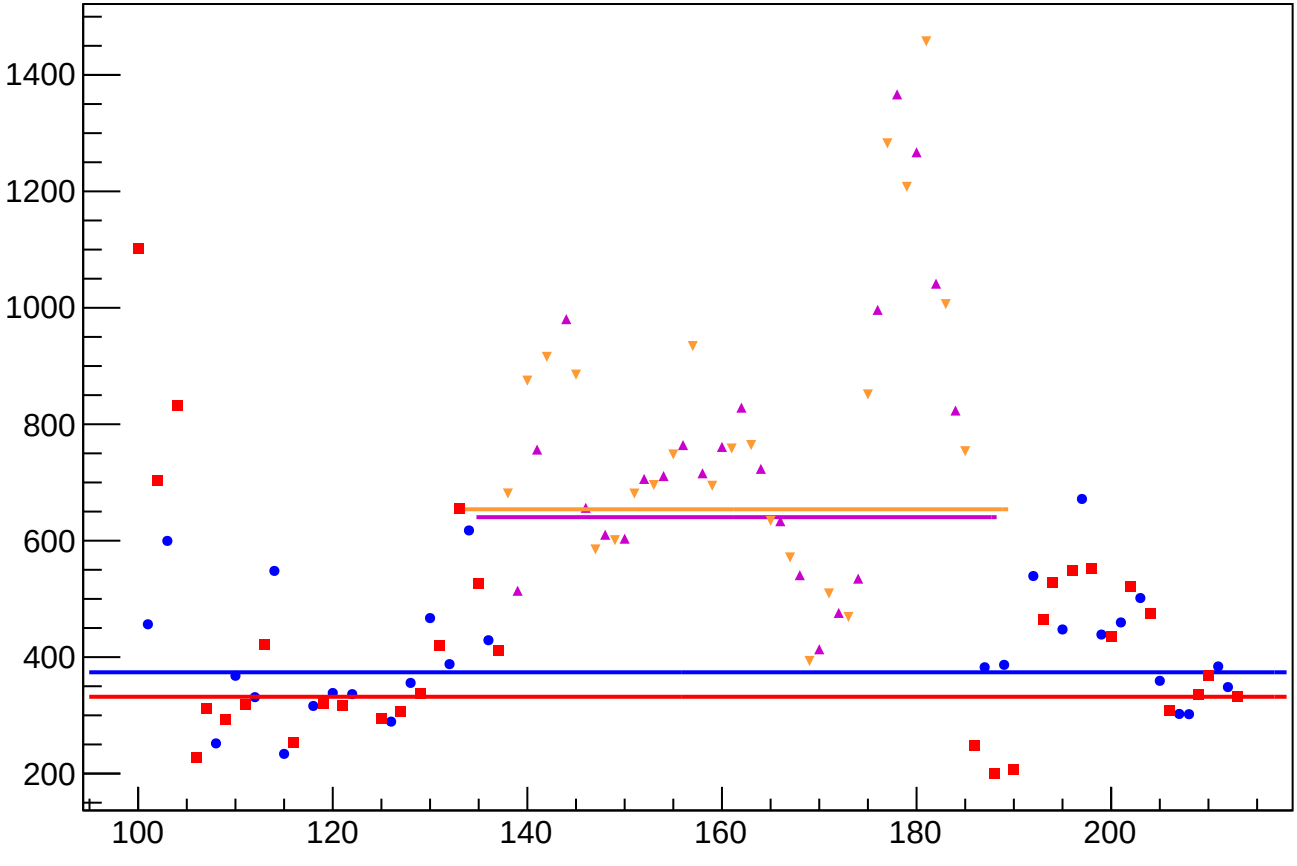
Right: 0.046+/-0.063 χ^2/NDF: 70.3/60

In: -0.032+/-0.081 χ^2/NDF:56.2/51

Out: 0.050+/-0.075 χ^2/NDF:75.0/55

All: 0.012+/-0.055 χ^2/NDF: 131.7/107

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 373.965+/-0.067 χ^2/NDF: 1745606.4/28

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

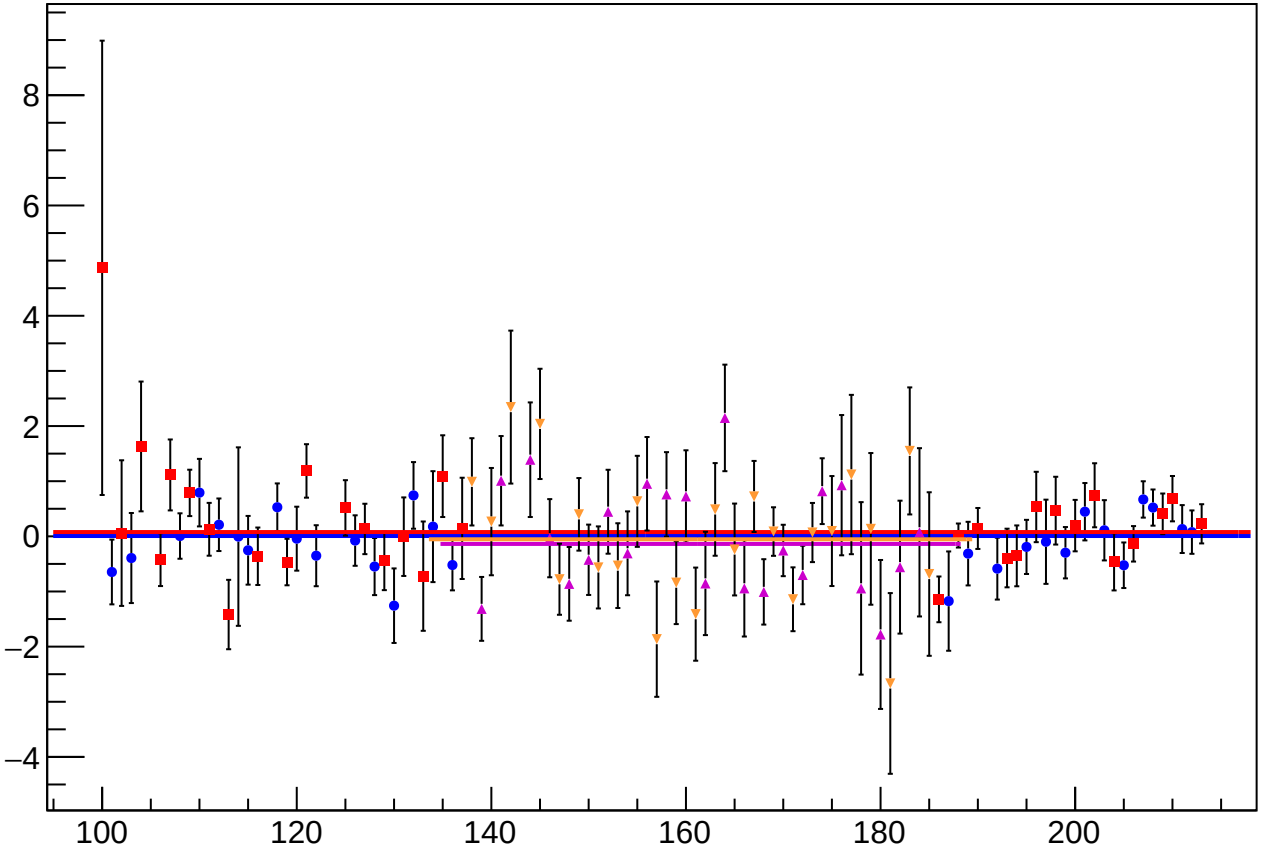
Right: 350.564+/-0.044 χ^2/NDF: 5573467.9/60

In: 444.170+/-0.057 χ^2/NDF:8589259.4/51

Out: 400.983+/-0.053 χ^2/NDF:12991095.4/55

All: 420.827+/-0.039 χ^2/NDF: 21887394.0/10

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.094 χ^2/NDF: 25.6/28

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

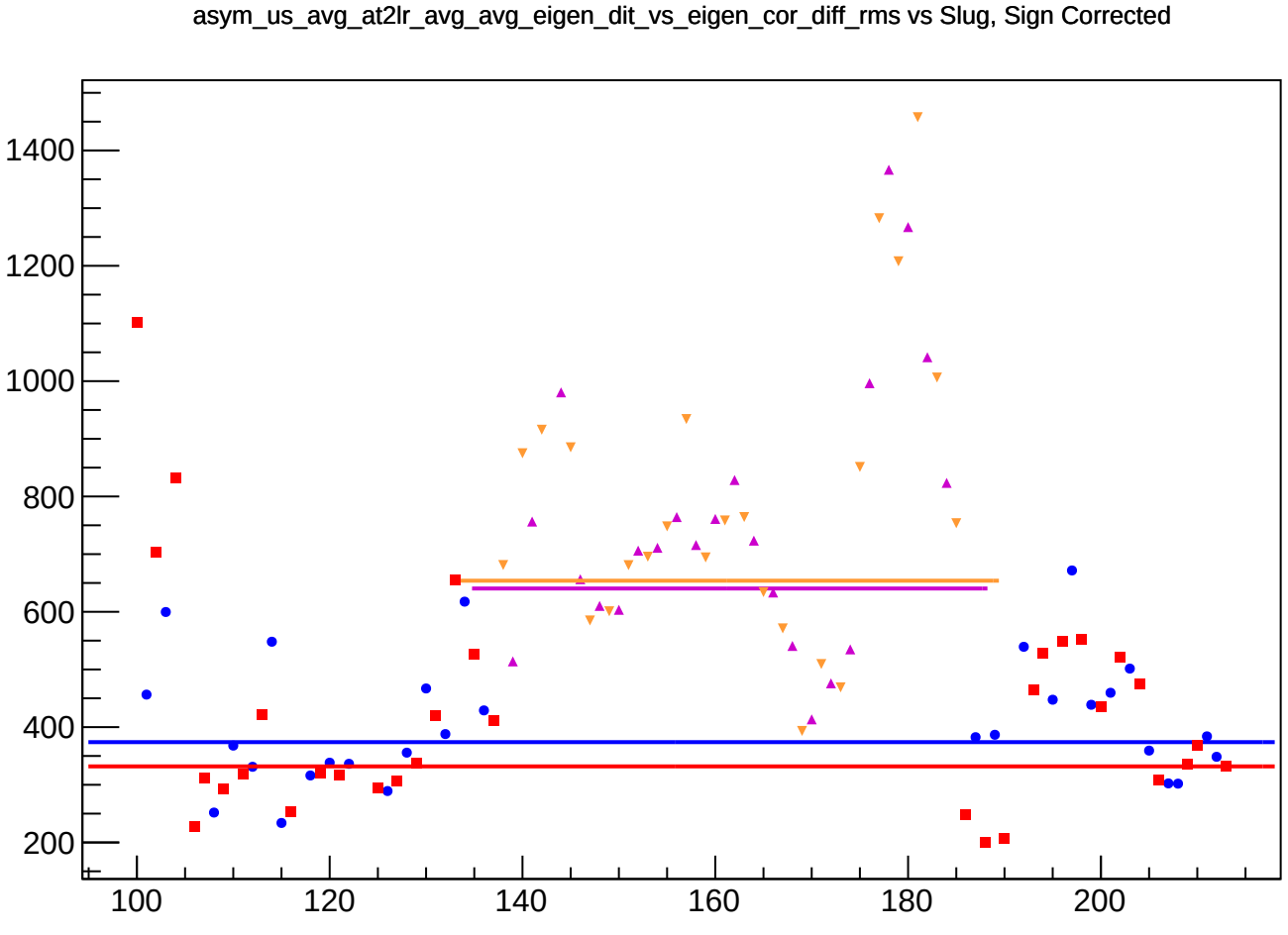
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.046+/-0.063 χ^2/NDF: 70.3/60

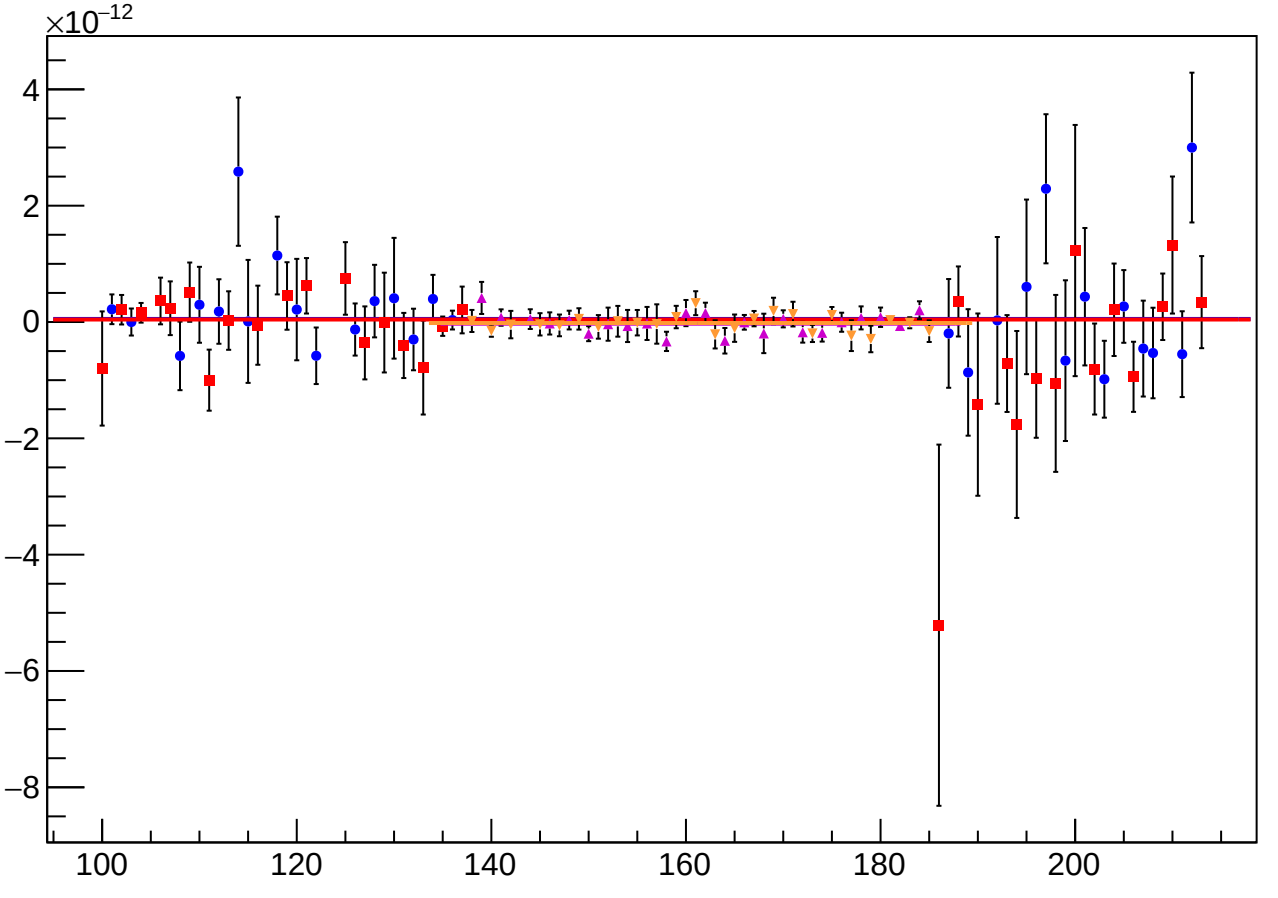
In: -0.032+/-0.081 χ^2/NDF:56.2/51

Out: 0.050+/-0.075 χ^2/NDF:75.0/55

All: 0.012+/-0.055 χ^2/NDF: 131.7/107


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 373.965+/-0.067 χ²/NDF: 1745606.4/28
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 331.913+/-0.060 χ²/NDF: 3607139.1/31
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
Left: 647.016+/-0.080 χ²/NDF: 5780002.9/46
Right: 350.564+/-0.044 χ²/NDF: 5573467.9/60
In: 444.170+/-0.057 χ²/NDF:8589259.4/51
Out: 400.983+/-0.053 χ²/NDF:12991095.4/55
All: 420.827+/-0.039 χ²/NDF: 21887394.0/10

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: 25.6/28

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

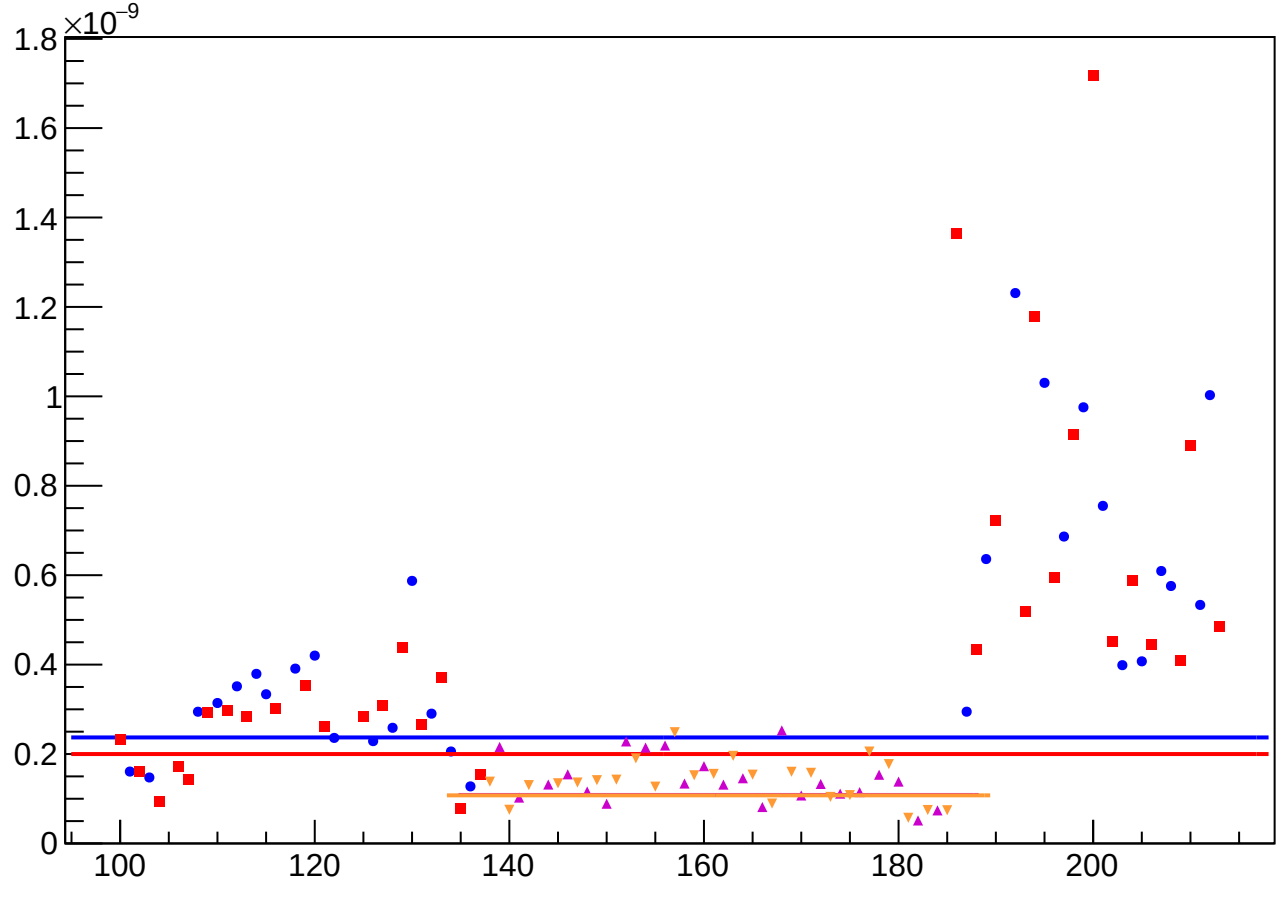
Right: 0.000+/-0.000 χ^2/NDF: 52.2/60

In: -0.000+/-0.000 χ^2/NDF:44.2/51

Out: -0.000+/-0.000 χ^2/NDF:40.1/55

All: -0.000+/-0.000 χ^2/NDF: 84.3/107

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7102954.7/28

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8541834.3/31

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

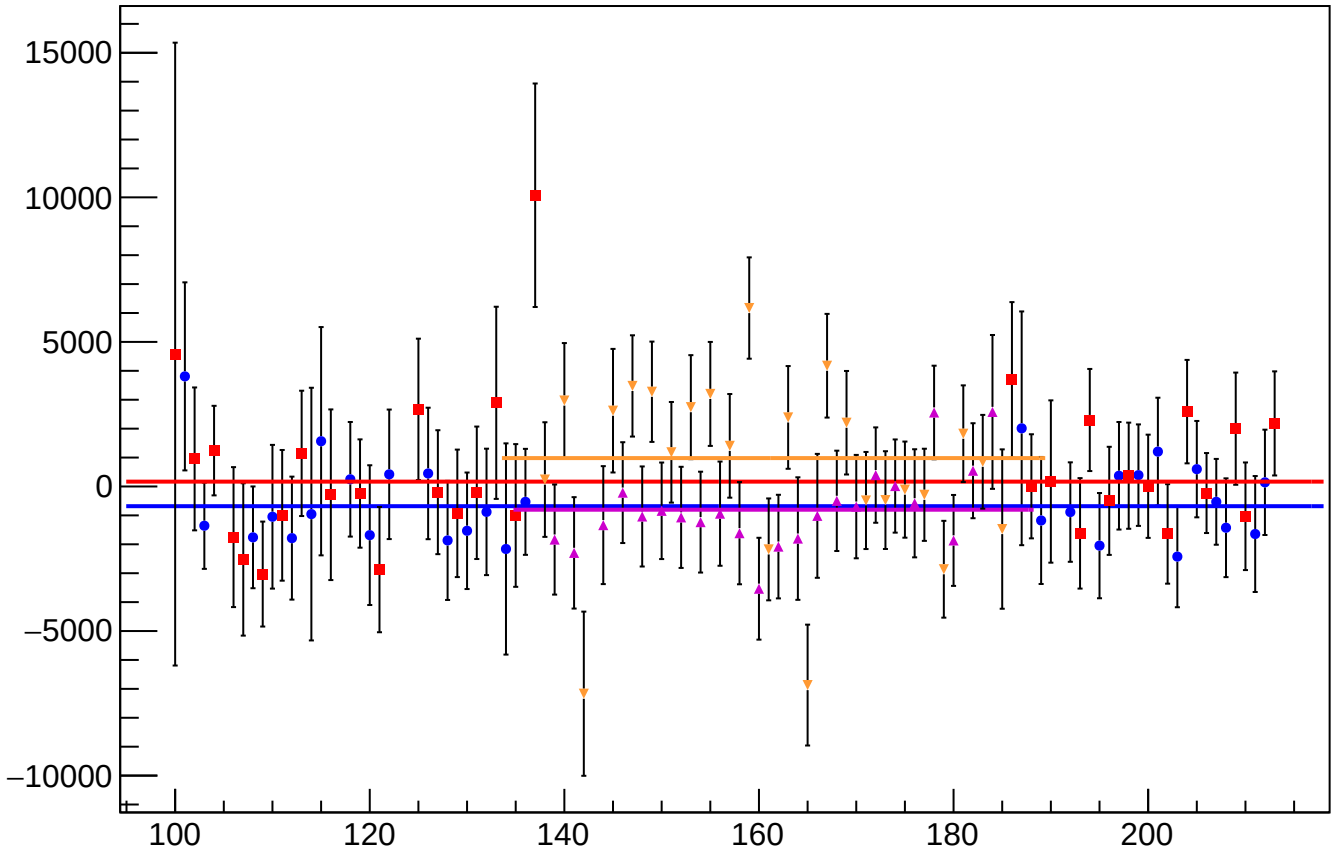
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 15833883.4/60

In: 0.000+/-0.000 χ^2/NDF:14555705.1/51

Out: 0.000+/-0.000 χ^2/NDF:14254776.3/55

All: 0.000+/-0.000 χ^2/NDF: 28818478.6/107



Right In: -681.809+/-375.530 χ^2/NDF: 9.7/28

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

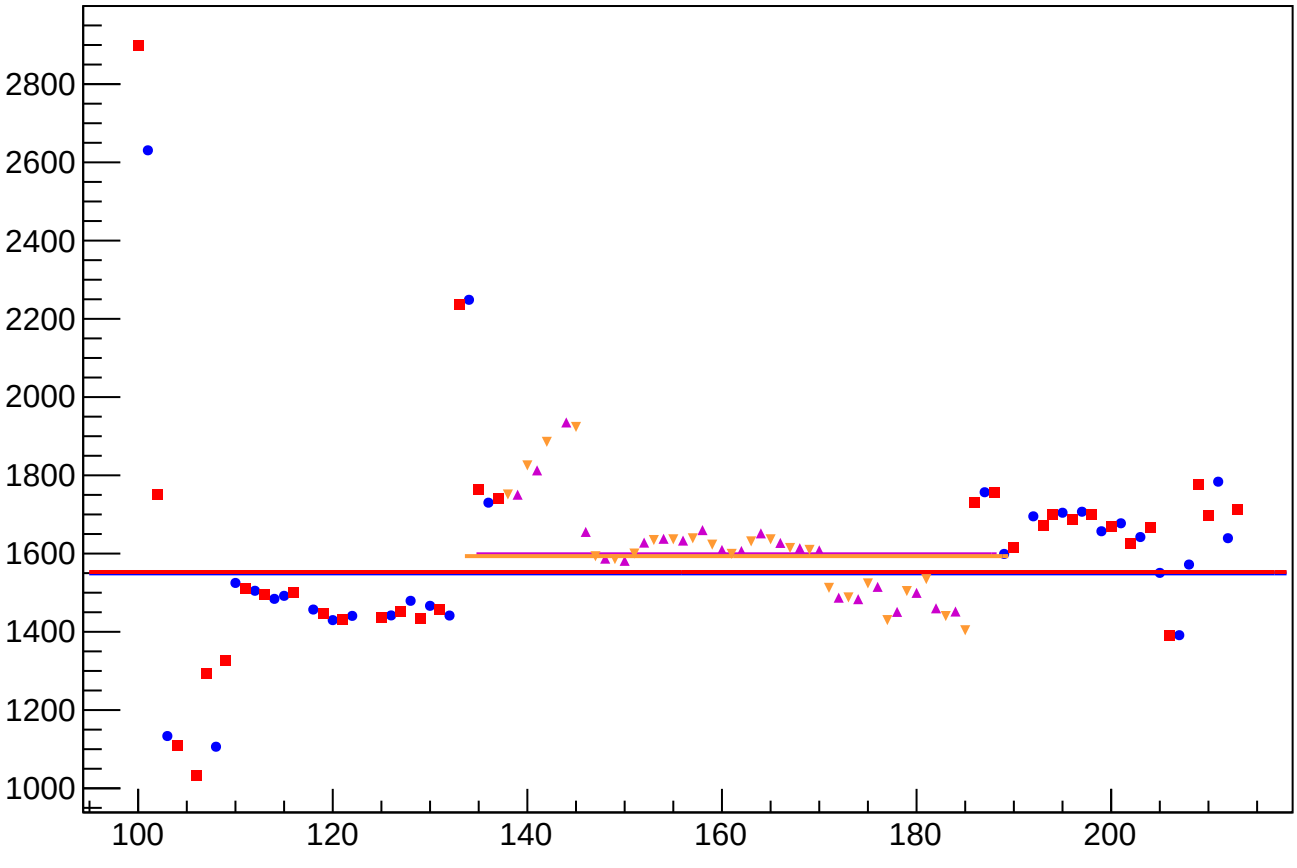
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -247.090+/-262.394 χ^2/NDF: 38.9/60

In: -743.097+/-265.021 χ^2/NDF:22.2/51

Out: 570.148+/-260.780 χ^2/NDF:84.6/55

All: -75.883+/-185.880 χ^2/NDF: 119.3/107



Right In: 1549.432+/-0.266 χ^2/NDF: 754205.9/28

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

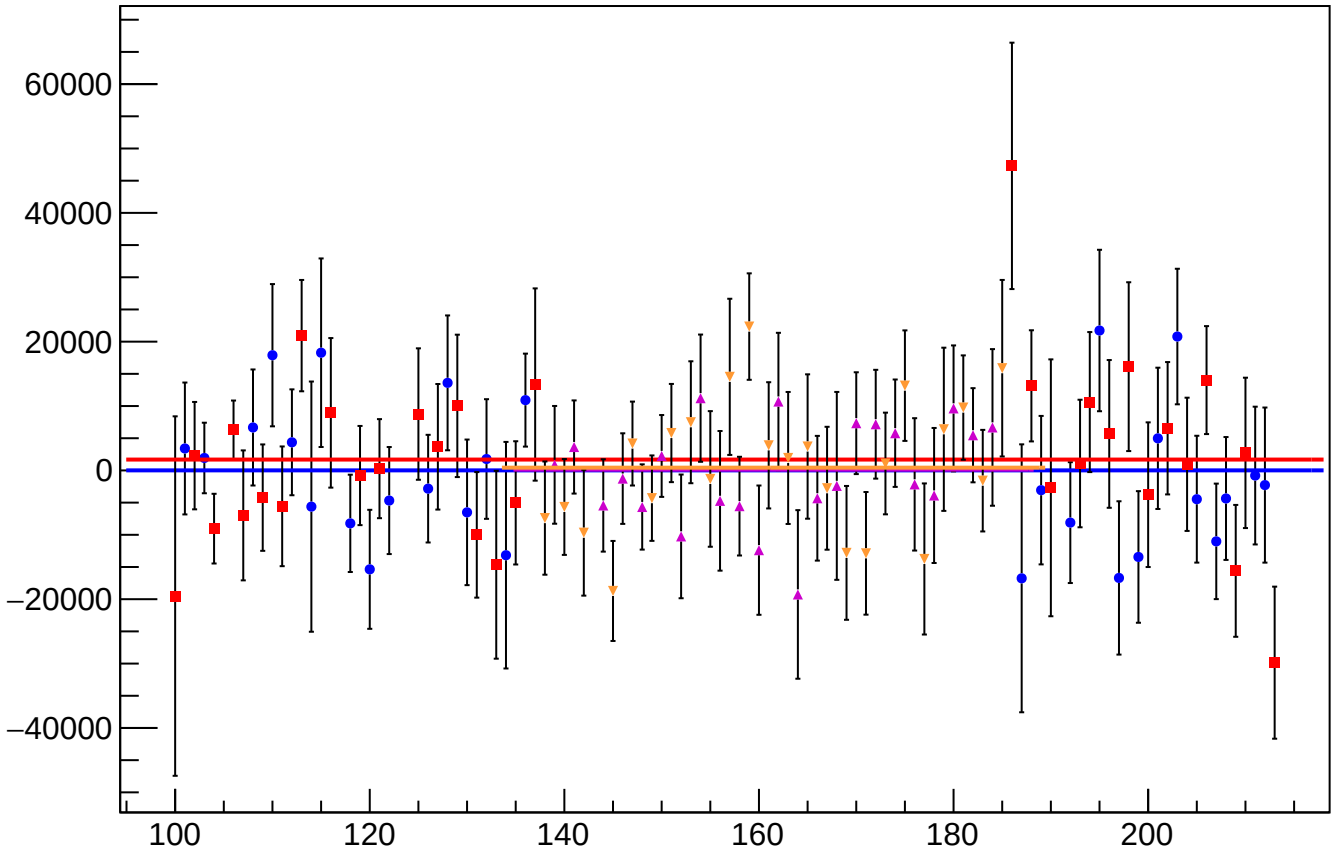
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1551.218+/-0.185 χ^2/NDF: 1451910.9/60

In: 1573.870+/-0.187 χ^2/NDF:940237.9/51

Out: 1572.905+/-0.184 χ^2/NDF:897371.7/55

All: 1573.379+/-0.131 χ^2/NDF: 1837623.1/10



Right In: 8.925+/-1809.958 χ^2/NDF: 28.8/28

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

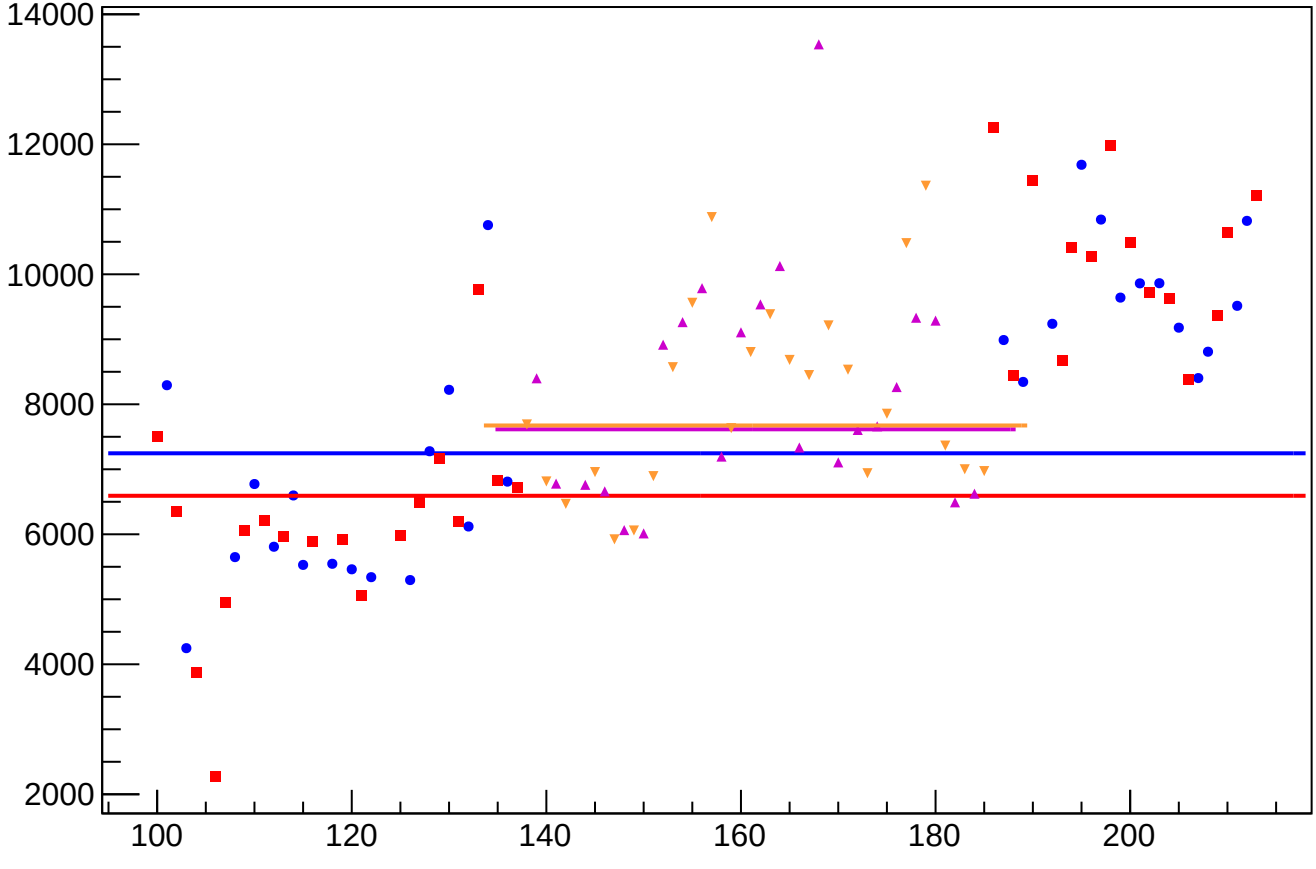
Right: 919.998+/-1223.418 χ^2/NDF: 69.2/60

In: 67.489+/-1281.553 χ^2/NDF:42.7/51

Out: 1114.292+/-1226.468 χ^2/NDF:69.5/55

All: 613.871+/-886.078 χ^2/NDF: 112.6/107

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 7245.984+/-1.280 χ^2/NDF: 2630658.9/28

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

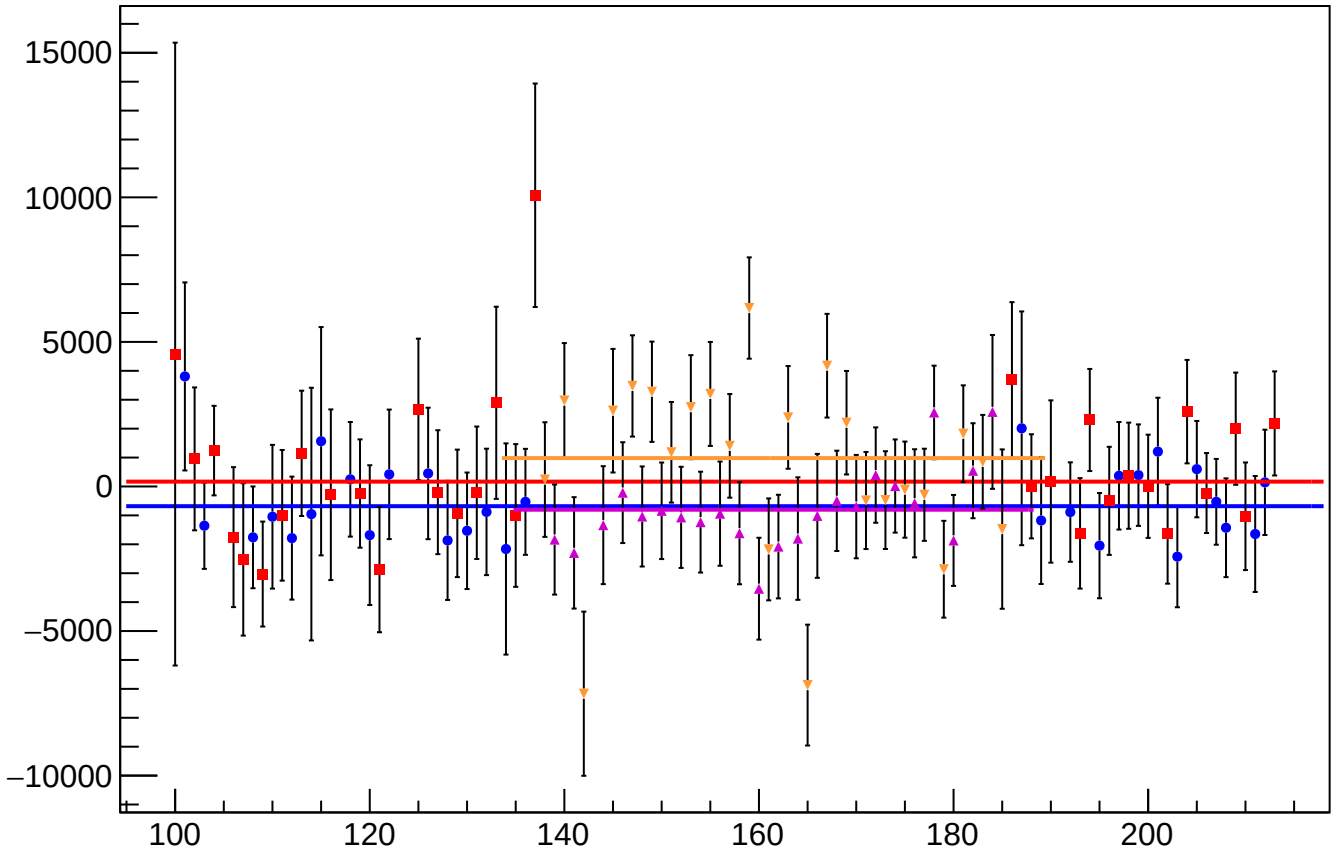
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 6891.001+/-0.865 χ^2/NDF: 8002572.7/60

In: 7429.983+/-0.906 χ^2/NDF:3896628.9/51

Out: 7083.653+/-0.867 χ^2/NDF:6692631.5/55

All: 7249.215+/-0.627 χ^2/NDF: 10665498.0/1



Right In: -681.876+/-375.530 χ^2/NDF: 9.7/28

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

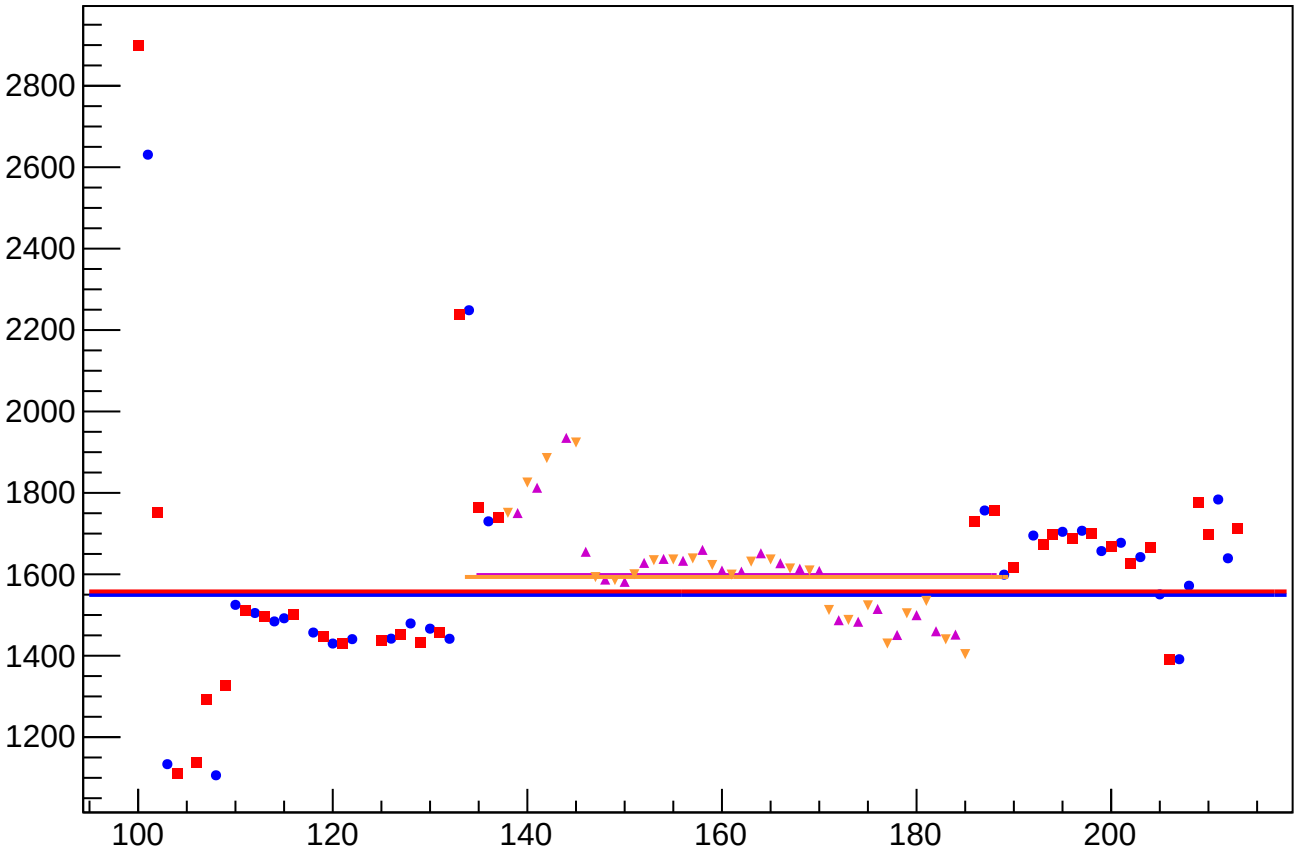
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -247.116+/-262.394 χ^2/NDF: 38.9/60

In: -743.068+/-265.021 χ^2/NDF:22.2/51

Out: 570.198+/-260.780 χ^2/NDF:84.6/55

All: -75.844+/-185.880 χ^2/NDF: 119.3/107



Right In: 1549.432+/-0.266 χ^2/NDF: 754206.3/28

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

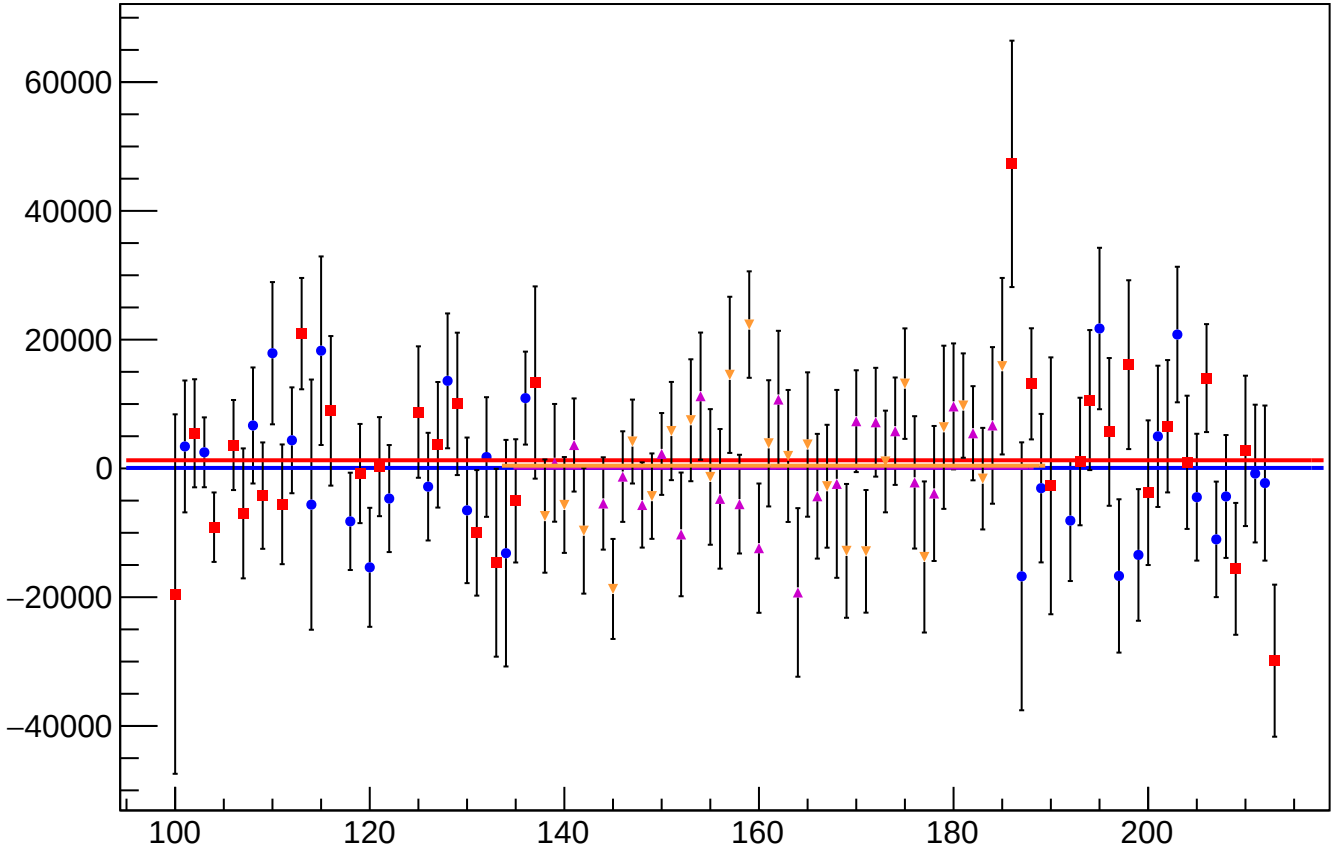
Right: 1553.769+/-0.185 χ^2/NDF: 1397353.8/60

In: 1573.870+/-0.187 χ^2/NDF:940238.3/51

Out: 1575.476+/-0.184 χ^2/NDF:839558.5/55

All: 1574.687+/-0.131 χ^2/NDF: 1779834.1/10

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 76.565+/-1808.041 χ^2/NDF: 28.9/28

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

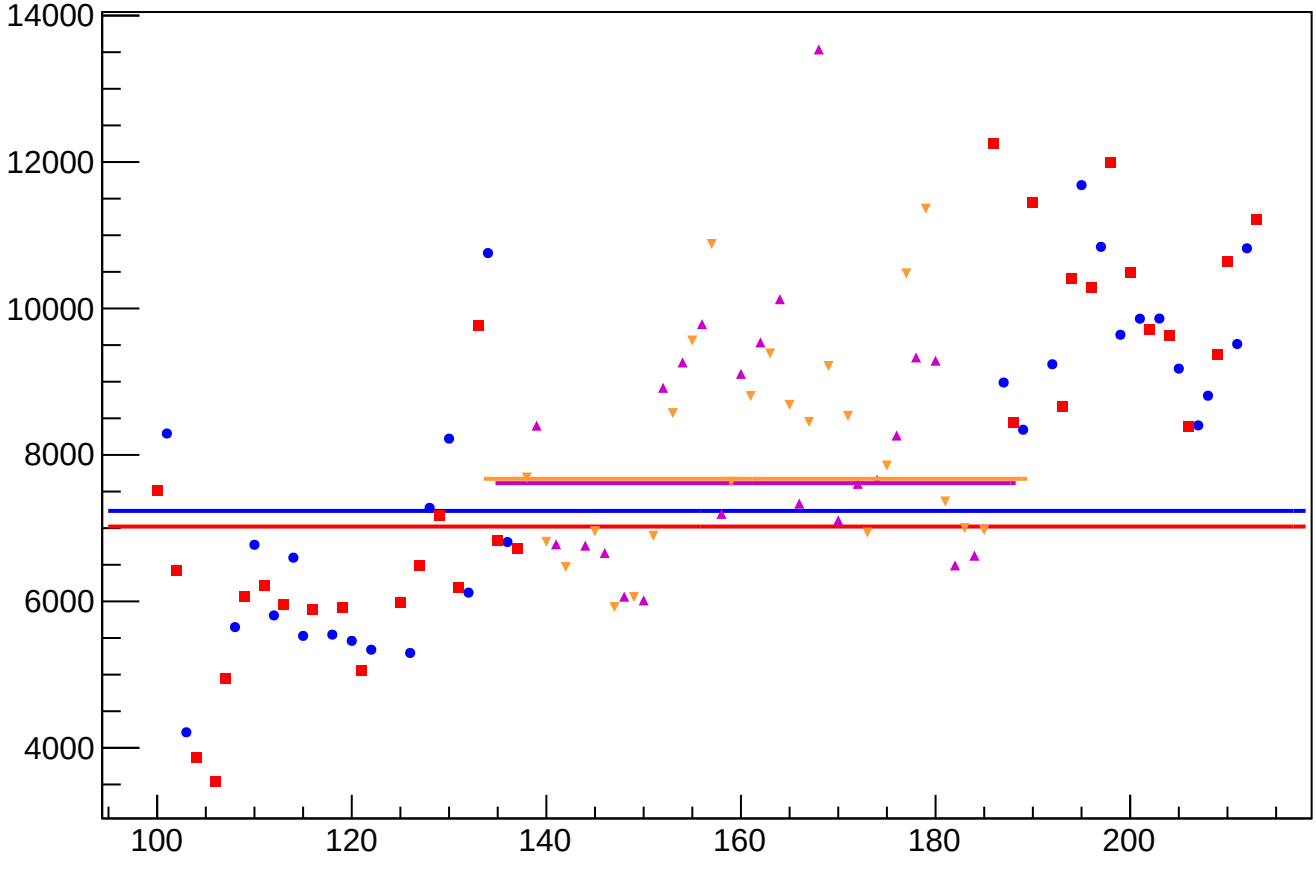
Right: 699.141+/-1248.623 χ^2/NDF: 68.3/60

In: 101.377+/-1280.871 χ^2/NDF:42.8/51

Out: 868.863+/-1252.501 χ^2/NDF:68.7/55

All: 493.713+/-895.514 χ^2/NDF: 111.6/107

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 7235.663+/-1.278 χ^2/NDF: 2656823.5/28

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

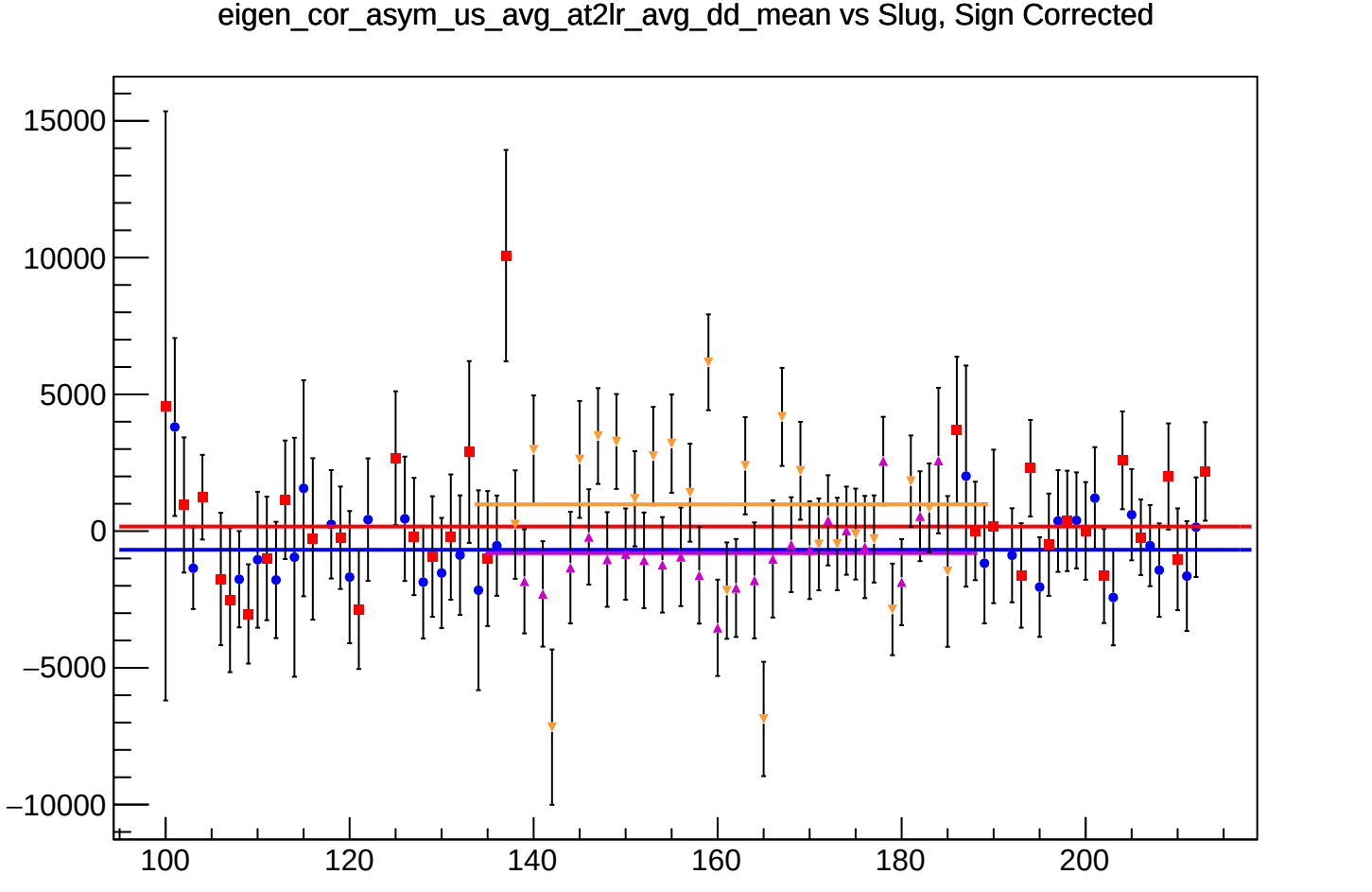
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 7123.957+/-0.883 χ^2/NDF: 6379515.7/60

In: 7424.603+/-0.906 χ^2/NDF:3925194.4/51

Out: 7330.917+/-0.886 χ^2/NDF:4919905.3/55

All: 7376.711+/-0.633 χ^2/NDF: 8850569.3/10



Right In: -681.876+/-375.530 χ^2/NDF: 9.7/28

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

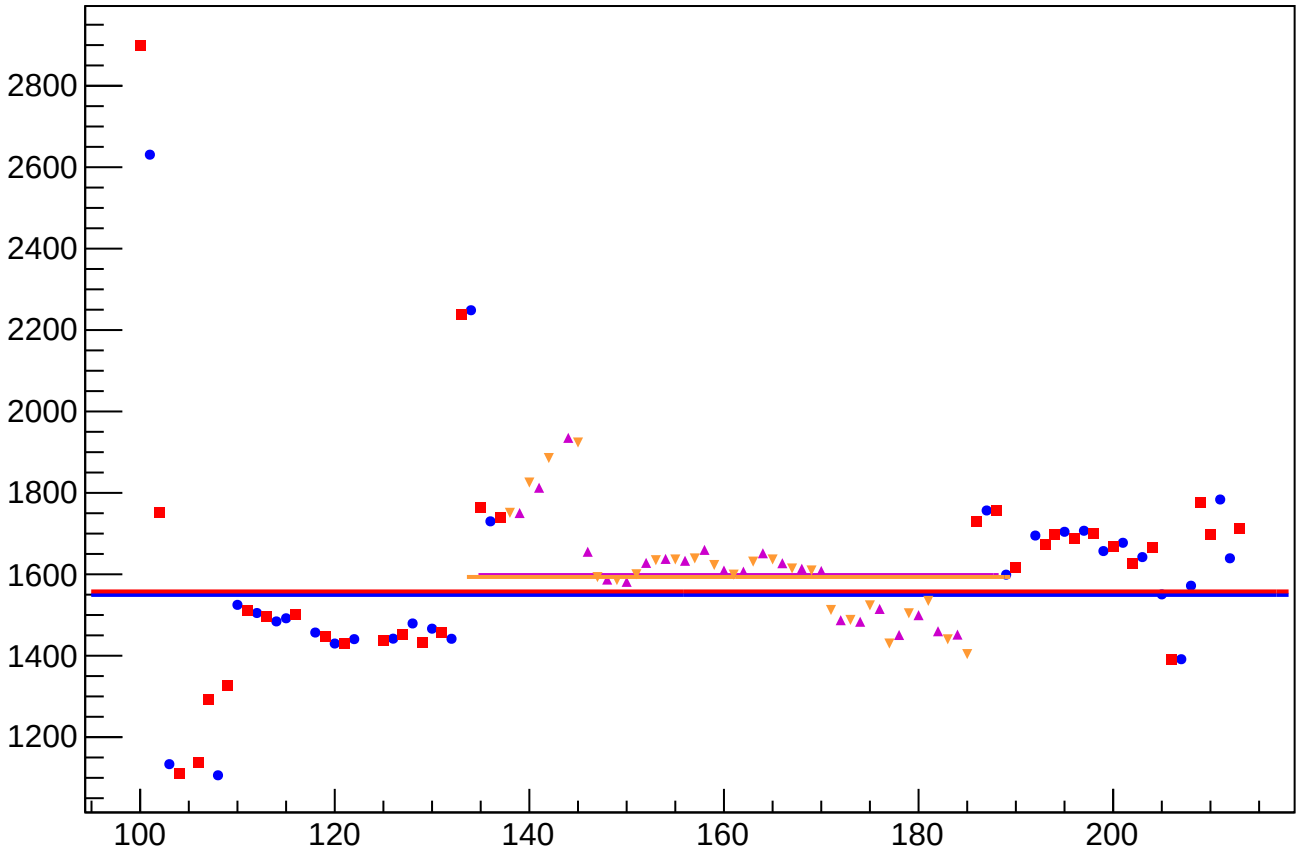
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -247.116+/-262.394 χ^2/NDF: 38.9/60

In: -743.068+/-265.021 χ^2/NDF:22.2/51

Out: 570.198+/-260.780 χ^2/NDF:84.6/55

All: -75.844+/-185.880 χ^2/NDF: 119.3/107



Right In: 1549.432+/-0.266 χ^2/NDF: 754206.3/28

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

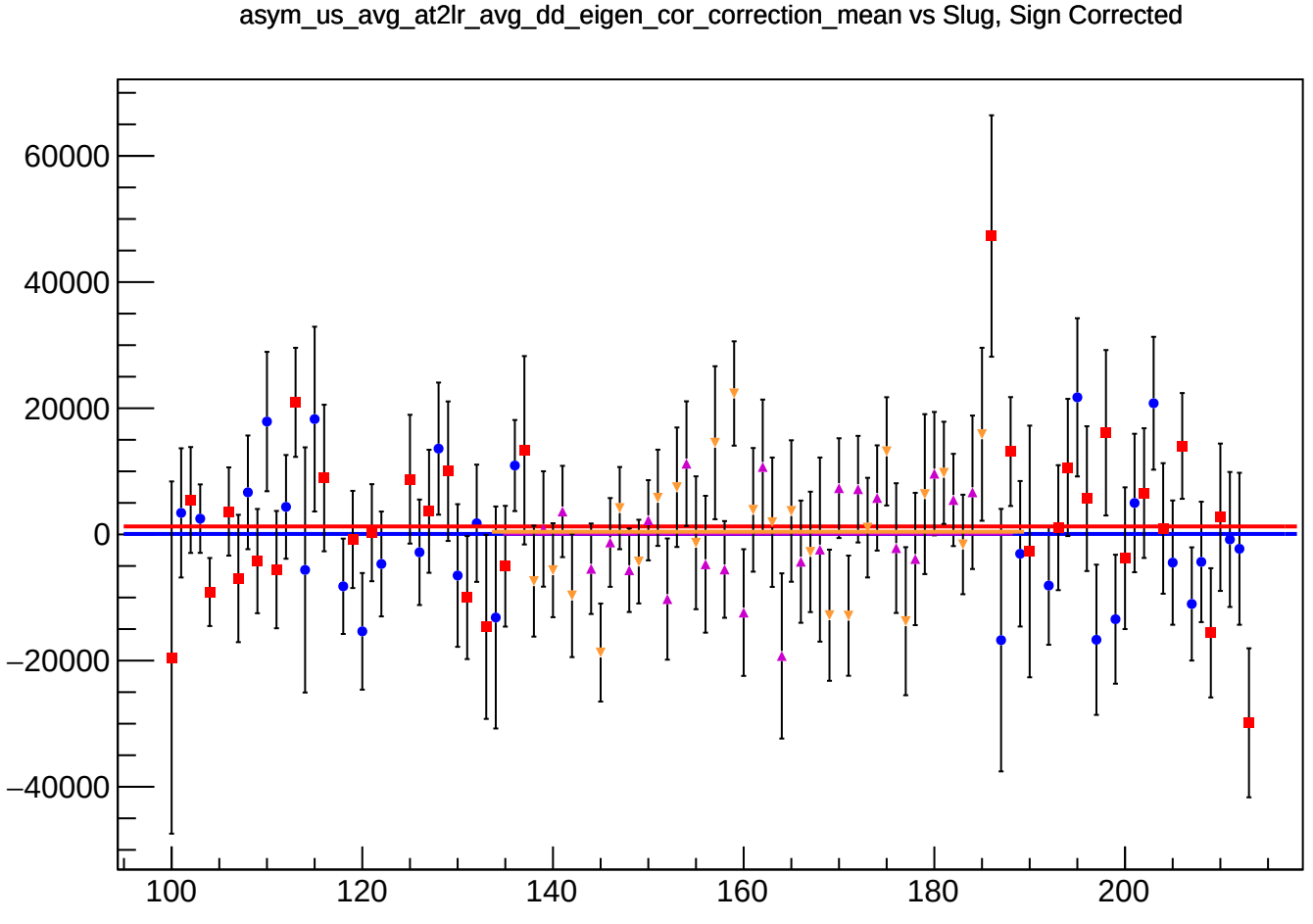
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1553.769+/-0.185 χ^2/NDF: 1397353.8/60

In: 1573.870+/-0.187 χ^2/NDF:940238.3/51

Out: 1575.476+/-0.184 χ^2/NDF:839558.5/55

All: 1574.687+/-0.131 χ^2/NDF: 1779834.1/10



Right In: 76.565+/-1808.041 χ^2/NDF: 28.9/28

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

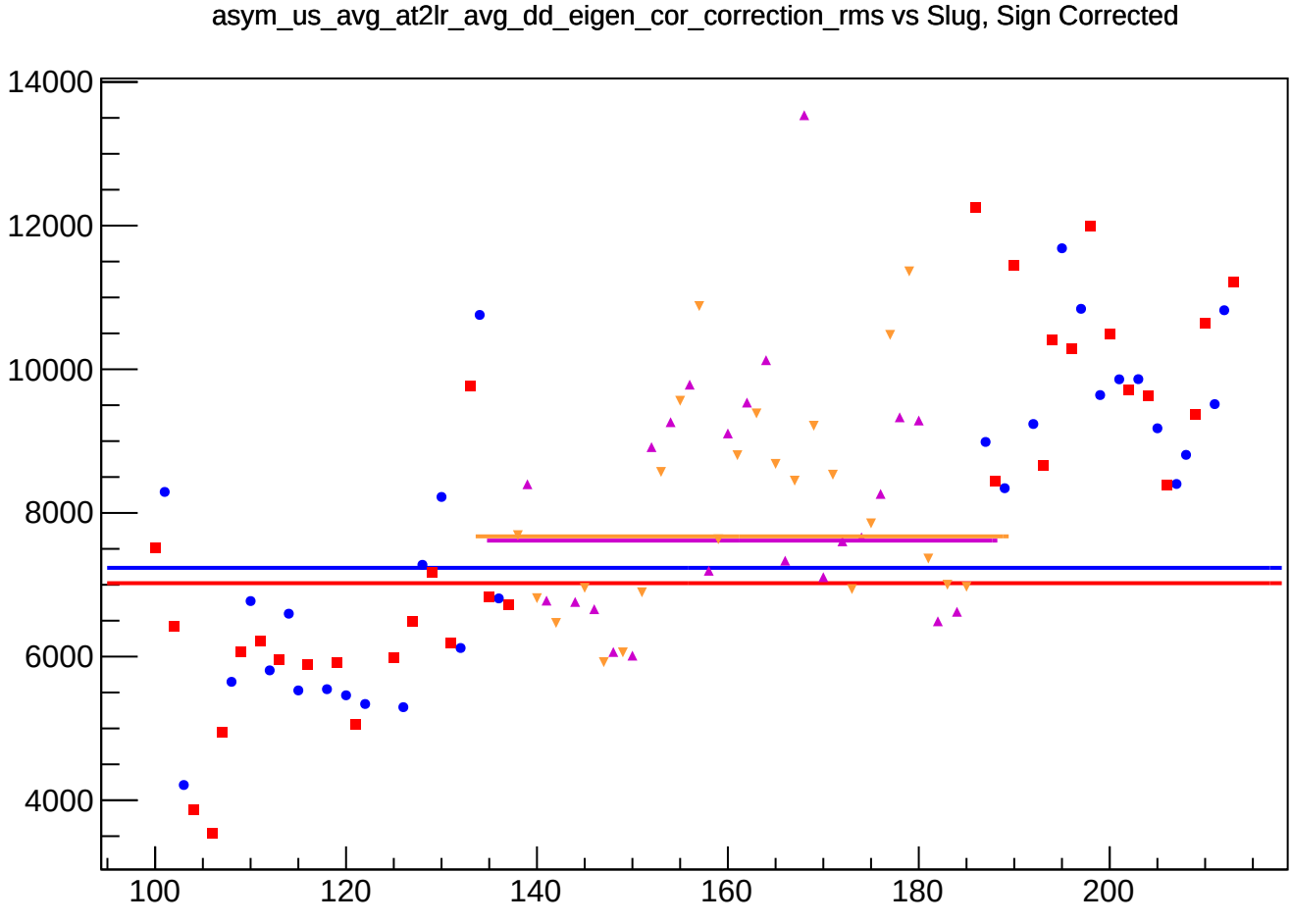
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 699.141+/-1248.623 χ^2/NDF: 68.3/60

In: 101.377+/-1280.871 χ^2/NDF:42.8/51

Out: 868.863+/-1252.501 χ^2/NDF:68.7/55

All: 493.713+/-895.514 χ^2/NDF: 111.6/107



Right In: 7235.663+/-1.278 χ^2/NDF: 2656823.5/28

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

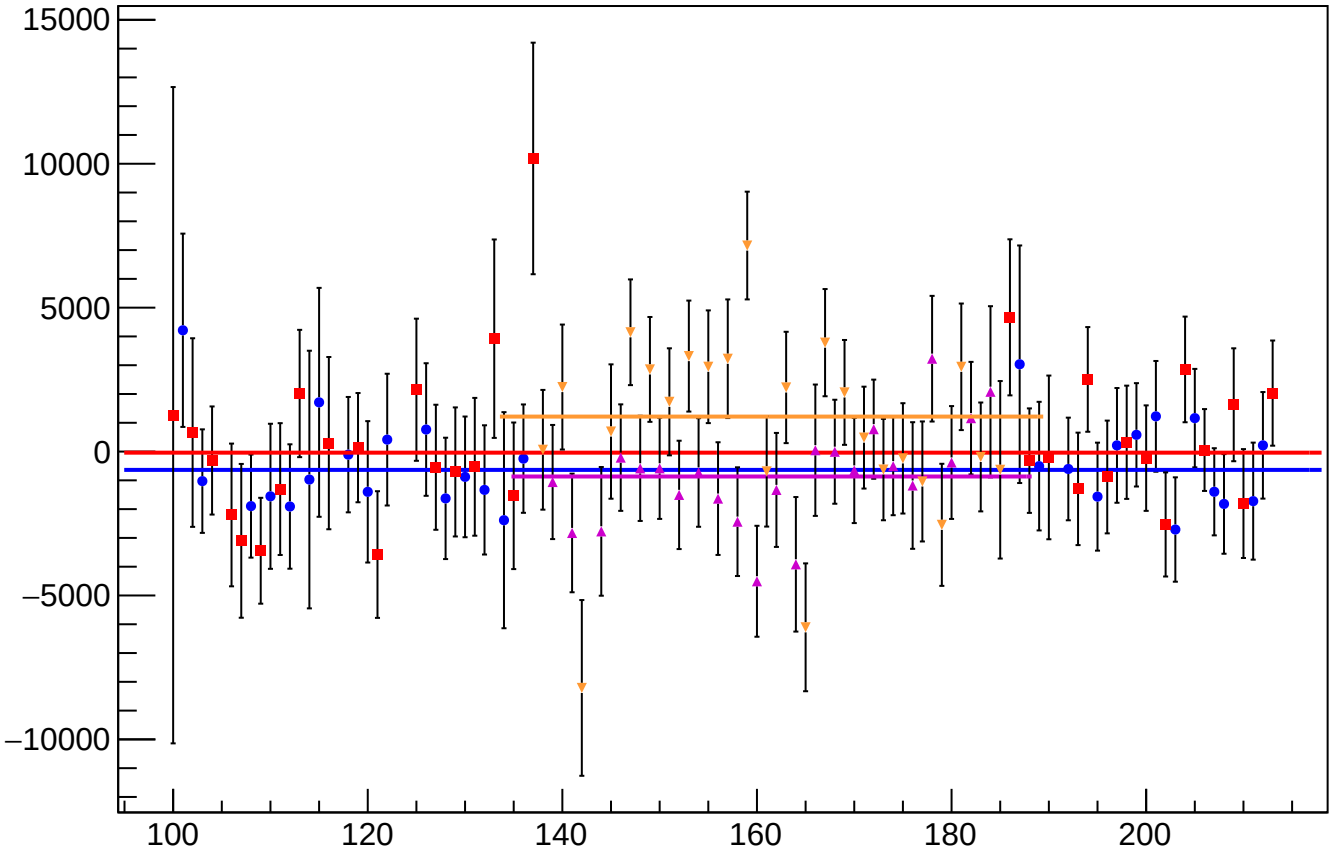
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 7123.957+/-0.883 χ^2/NDF: 6379515.7/60

In: 7424.603+/-0.906 χ^2/NDF:3925194.4/51

Out: 7330.917+/-0.886 χ^2/NDF:4919905.3/55

All: 7376.711+/-0.633 χ^2/NDF: 8850569.3/10



Right In: -636.706+/-388.297 χ^2/NDF: 11.0/28

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

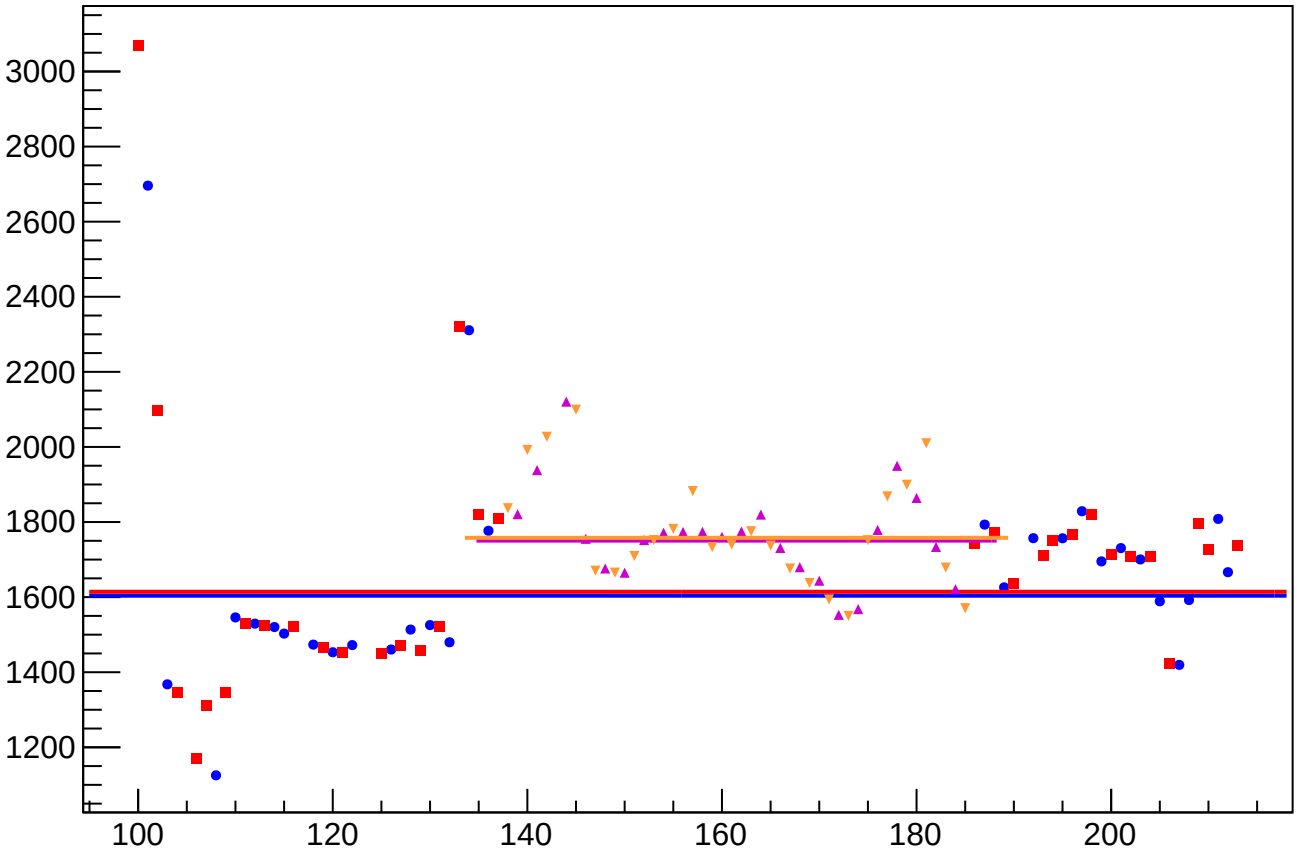
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -331.372+/-271.799 χ^2/NDF: 43.6/60

In: -745.124+/-281.940 χ^2/NDF:26.3/51

Out: 542.709+/-278.802 χ^2/NDF:84.9/55

All: -94.000+/-198.243 χ^2/NDF: 121.7/107



Right In: 1603.804+/-0.275 χ^2/NDF: 654862.0/28

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

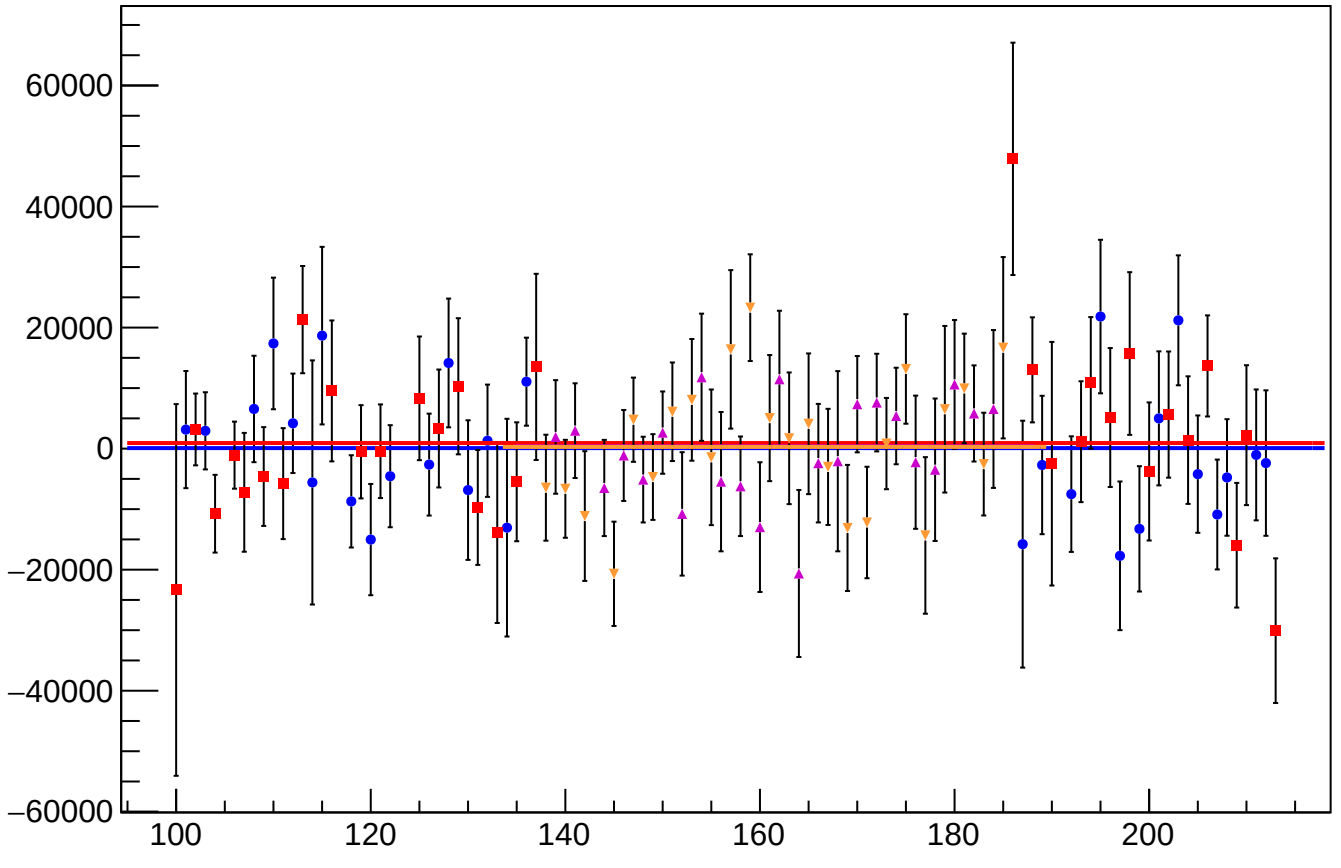
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1609.150+/-0.192 χ^2/NDF: 1224479.0/60

In: 1673.149+/-0.199 χ^2/NDF:961668.7/51

Out: 1680.850+/-0.197 χ^2/NDF:914250.5/55

All: 1677.043+/-0.140 χ^2/NDF: 1876673.6/10



Right In: 86.066+/-1841.607 χ^2/NDF: 28.7/28

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

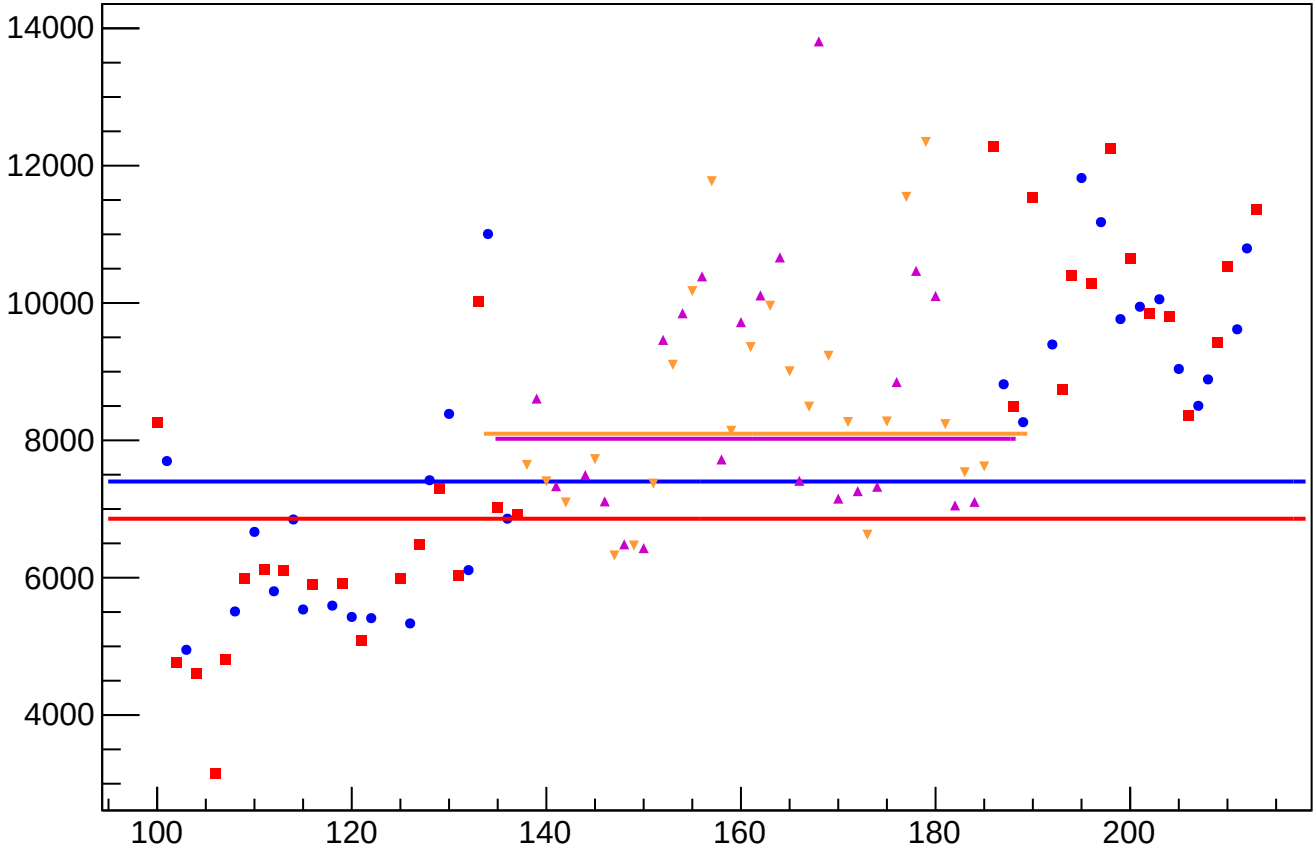
Right: 539.084+/-1245.609 χ^2/NDF: 67.5/60

In: 228.773+/-1326.529 χ^2/NDF:42.3/51

Out: 643.189+/-1269.084 χ^2/NDF:67.4/55

All: 445.148+/-917.014 χ^2/NDF: 109.8/107

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 7400.570+/-1.302 χ^2/NDF: 2340131.7/28

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

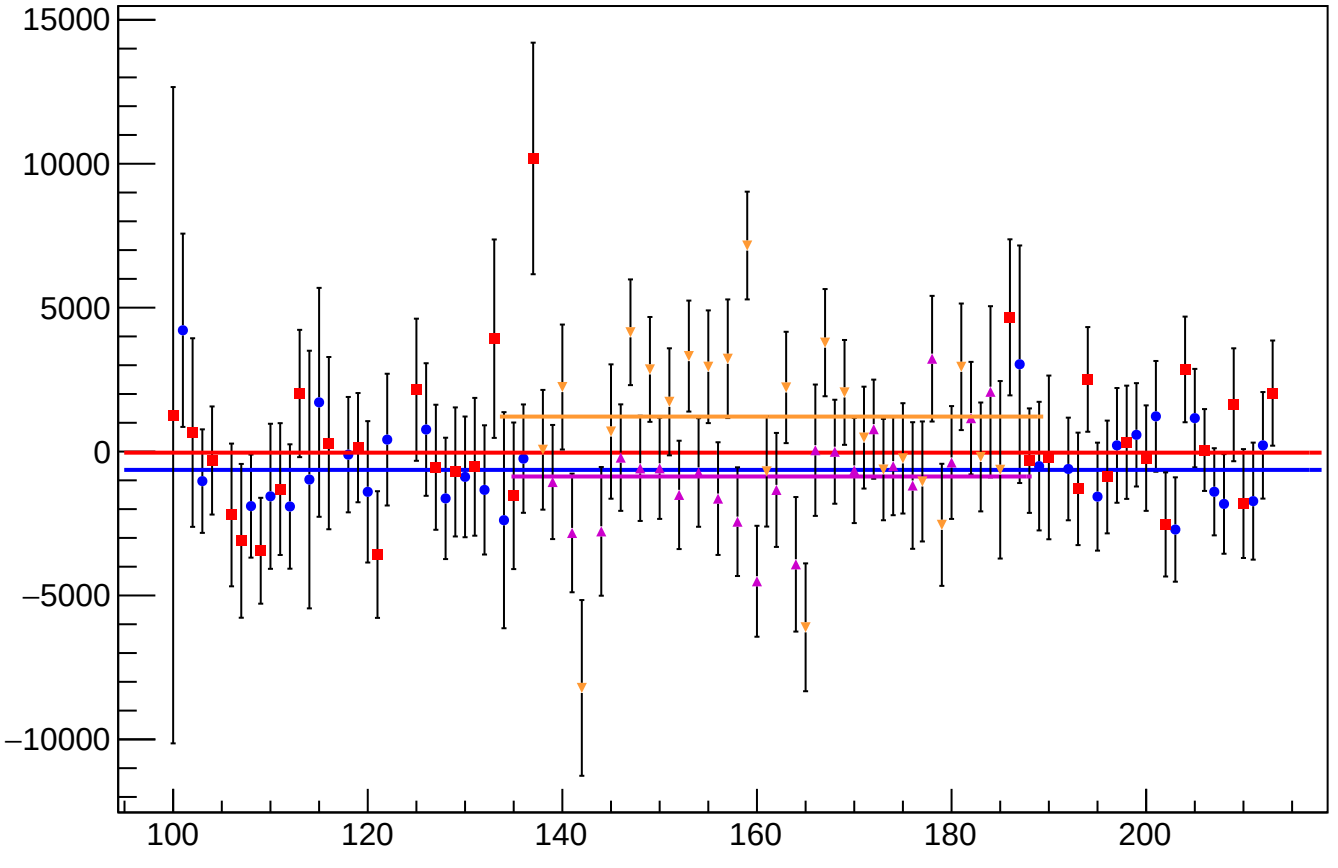
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 7106.604+/-0.881 χ^2/NDF: 6578592.7/60

In: 7699.922+/-0.938 χ^2/NDF:3675510.0/51

Out: 7399.566+/-0.897 χ^2/NDF:5700609.3/55

All: 7543.100+/-0.648 χ^2/NDF: 9429654.4/10



Right In: -636.704+/-388.297 χ^2/NDF: 11.0/28

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

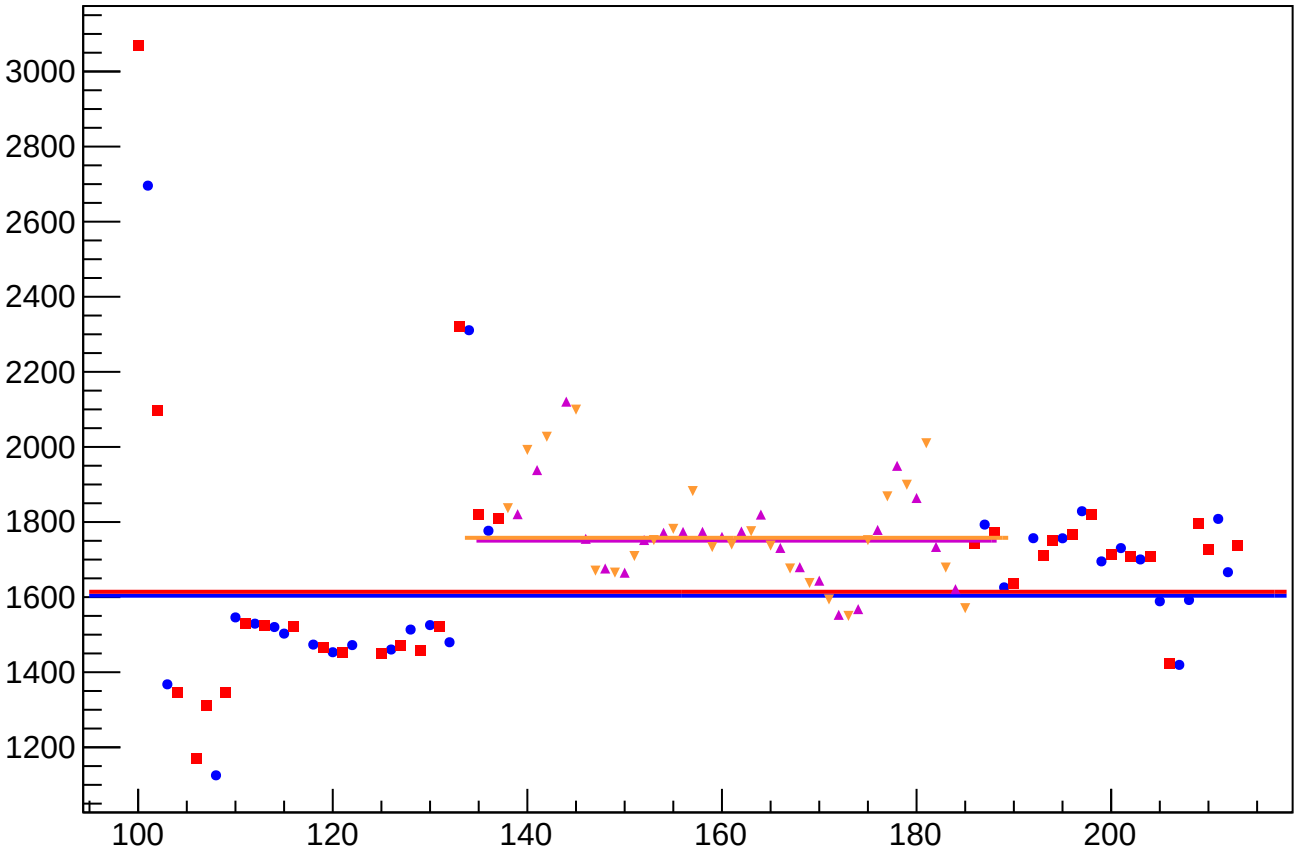
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -331.372+/-271.799 χ^2/NDF: 43.6/60

In: -745.122+/-281.941 χ^2/NDF:26.3/51

Out: 542.711+/-278.802 χ^2/NDF:84.9/55

All: -93.998+/-198.243 χ^2/NDF: 121.7/107



Right In: 1603.804+/-0.275 χ^2/NDF: 654862.2/28

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

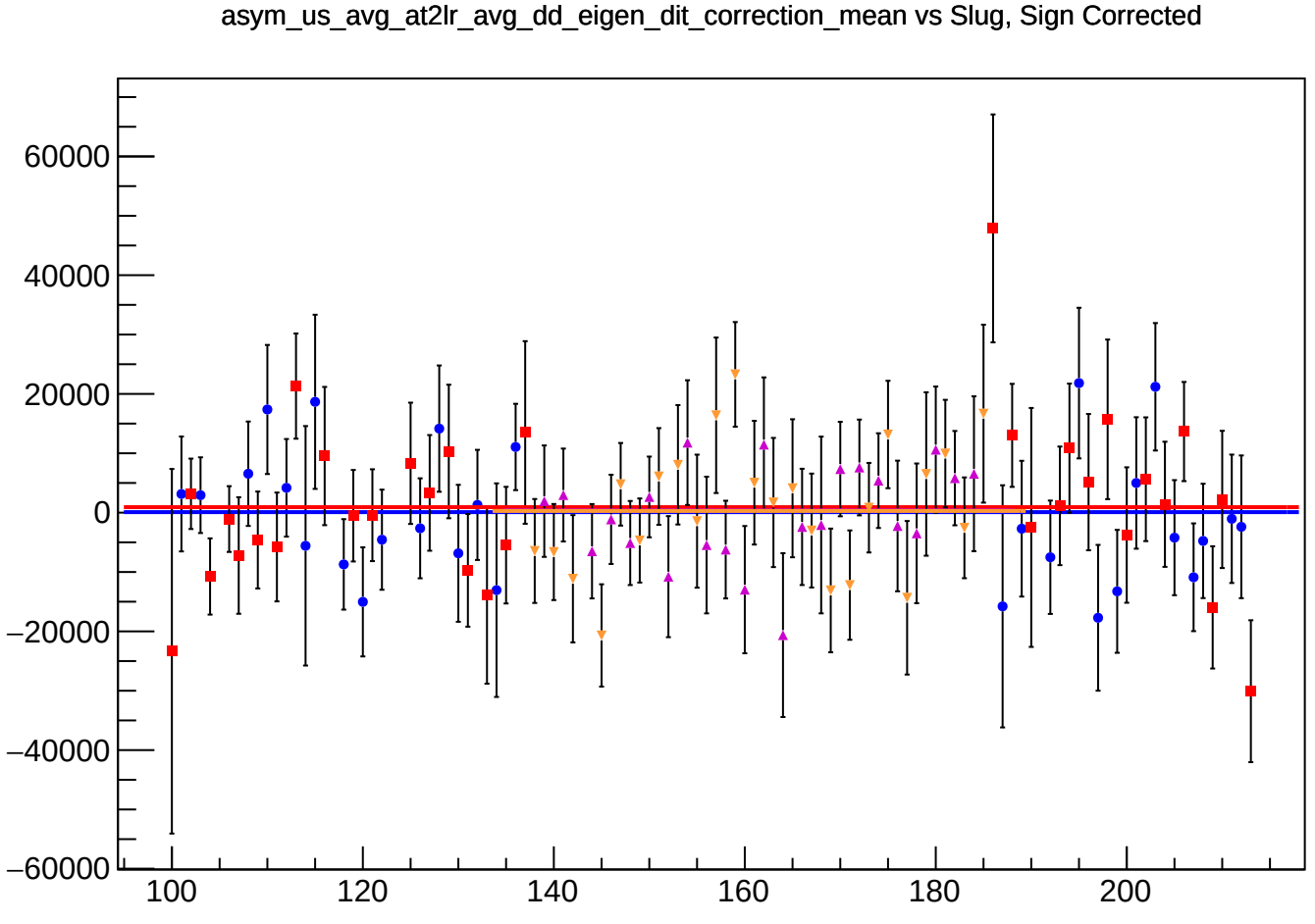
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1609.151+/-0.192 χ^2/NDF: 1224480.2/60

In: 1673.150+/-0.199 χ^2/NDF:961681.6/51

Out: 1680.851+/-0.197 χ^2/NDF:914264.3/55

All: 1677.044+/-0.140 χ^2/NDF: 1876700.3/10



Right In: 86.059+/-1841.606 χ^2/NDF: 28.7/28

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

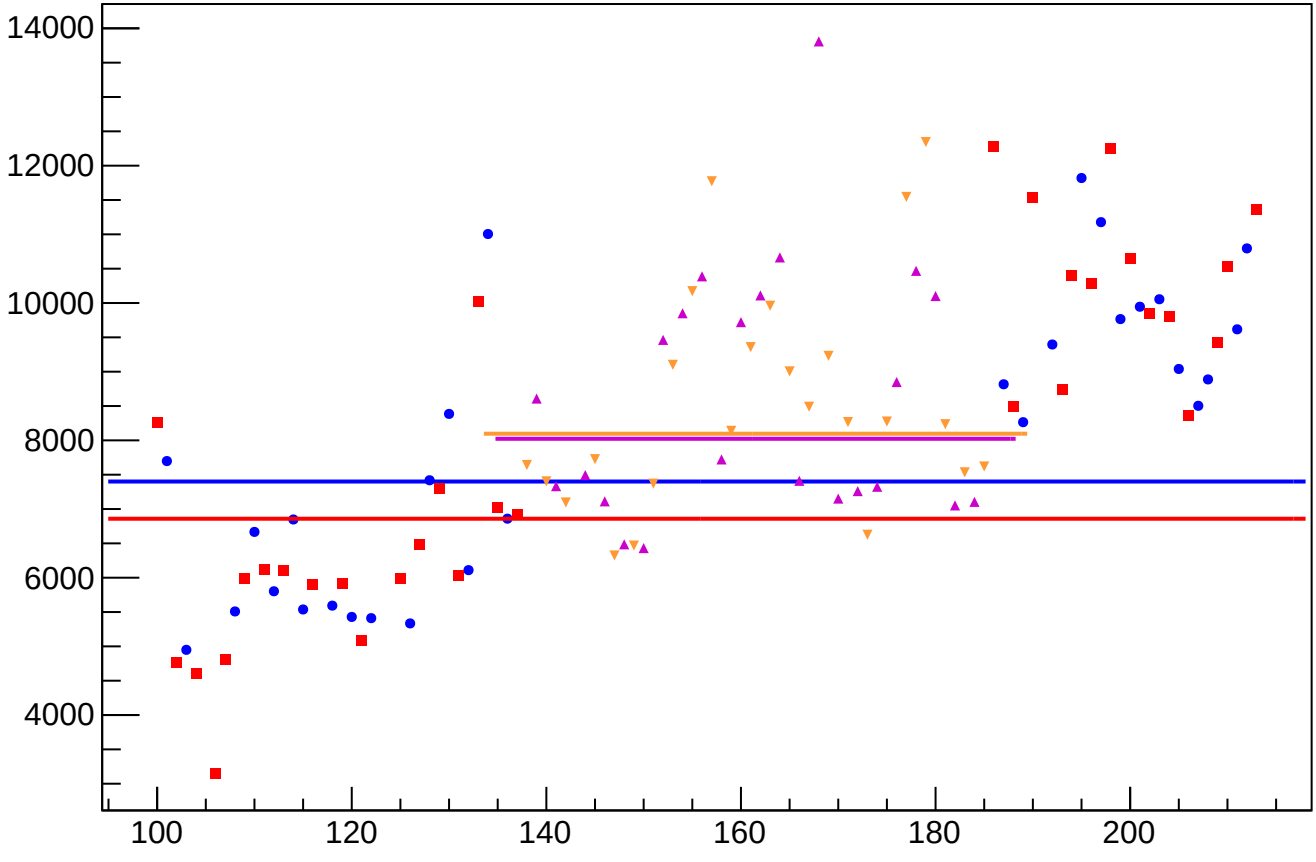
Right: 539.076+/-1245.608 χ^2/NDF: 67.5/60

In: 228.771+/-1326.530 χ^2/NDF:42.3/51

Out: 643.186+/-1269.084 χ^2/NDF:67.4/55

All: 445.145+/-917.014 χ^2/NDF: 109.8/107

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 7400.562+/-1.302 χ^2/NDF: 2340164.9/28

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

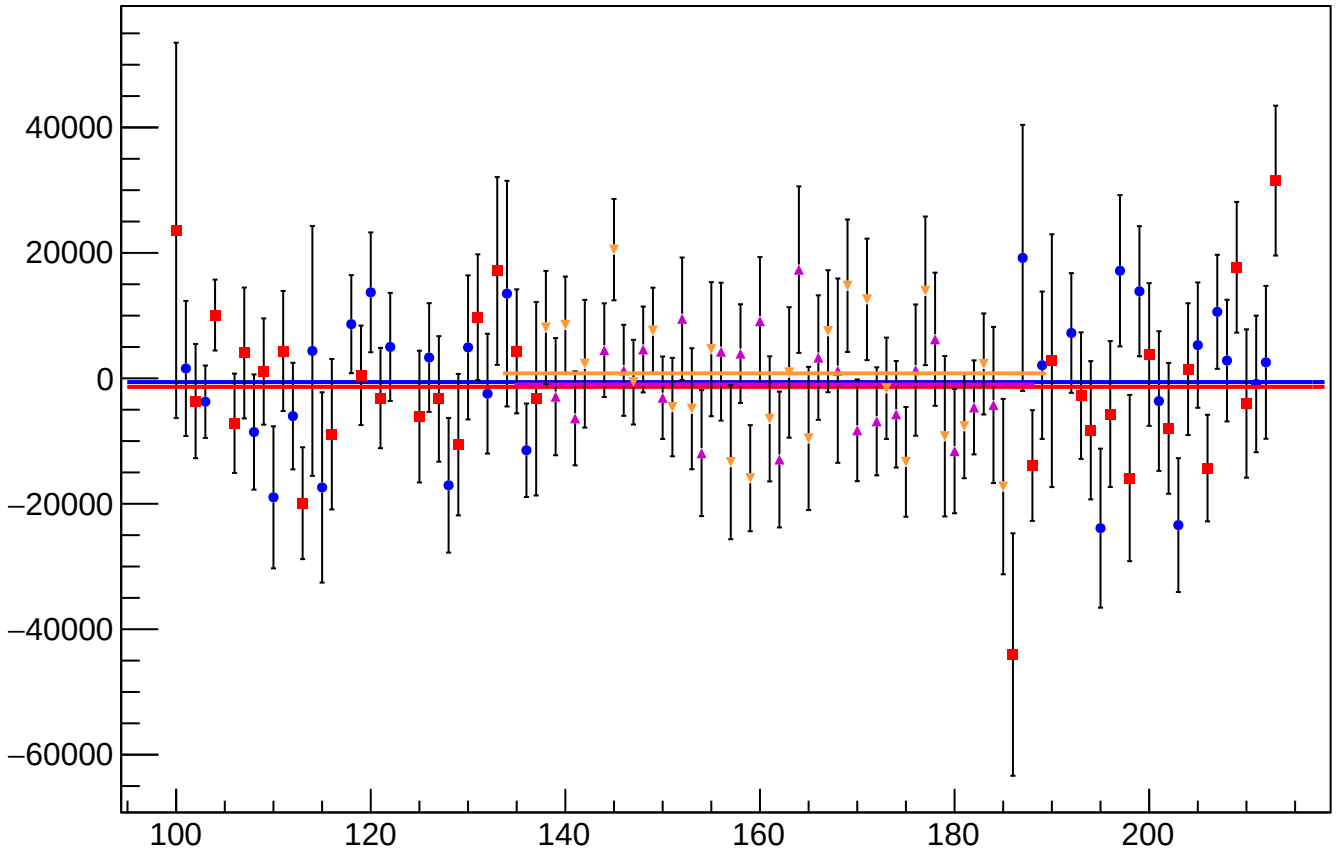
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 7106.596+/-0.881 χ^2/NDF: 6578658.3/60

In: 7699.923+/-0.938 χ^2/NDF:3675554.3/51

Out: 7399.565+/-0.897 χ^2/NDF:5700659.7/55

All: 7543.100+/-0.648 χ^2/NDF: 9429749.9/10



Right In: -596.396+/-1859.965 χ^2/NDF: 30.8/28

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

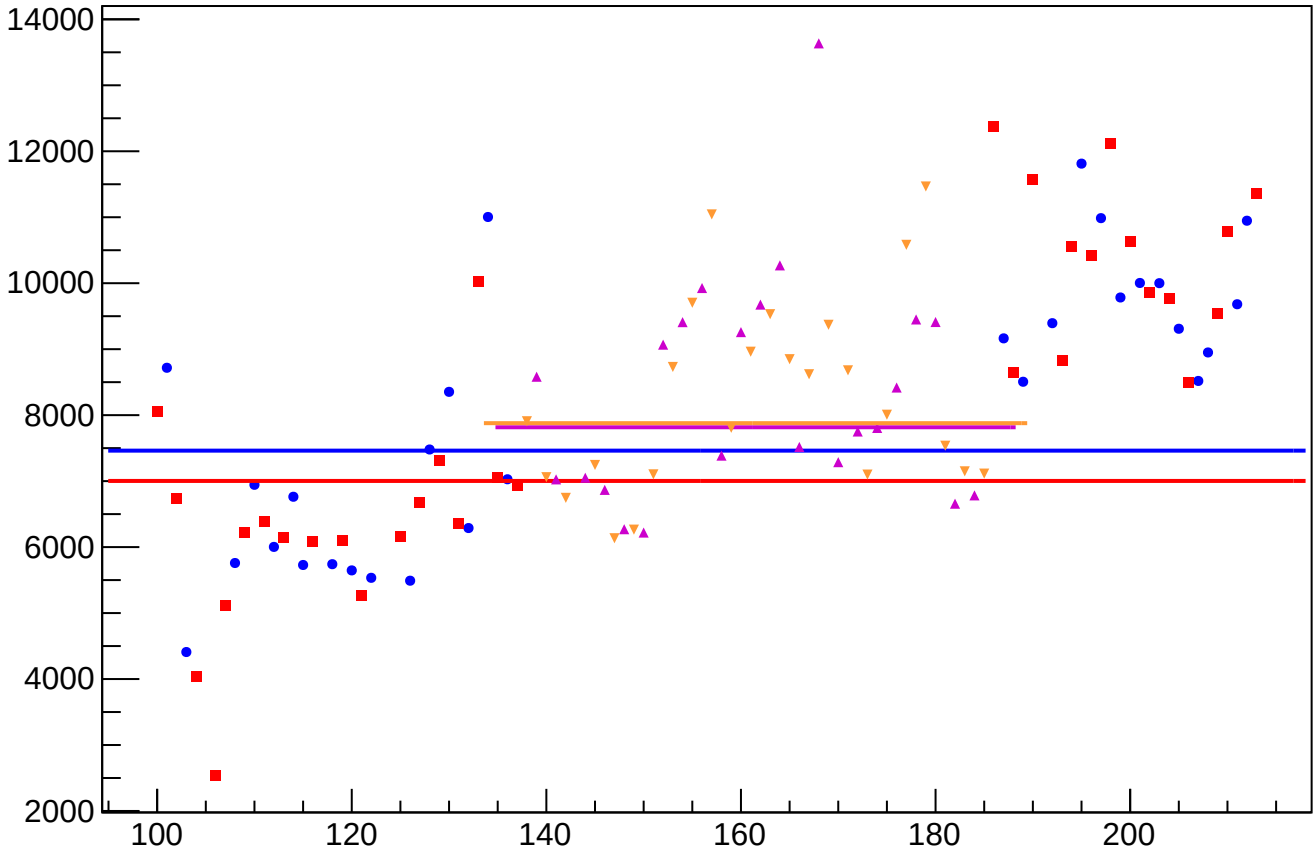
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -995.317+/-1288.142 χ^2/NDF: 68.5/60

In: -780.186+/-1315.180 χ^2/NDF:43.6/51

Out: -332.707+/-1289.848 χ^2/NDF:65.5/55

All: -552.095+/-920.886 χ^2/NDF: 109.2/107



Right In: 7462.128+/-1.315 χ^2/NDF: 2470242.6/28

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

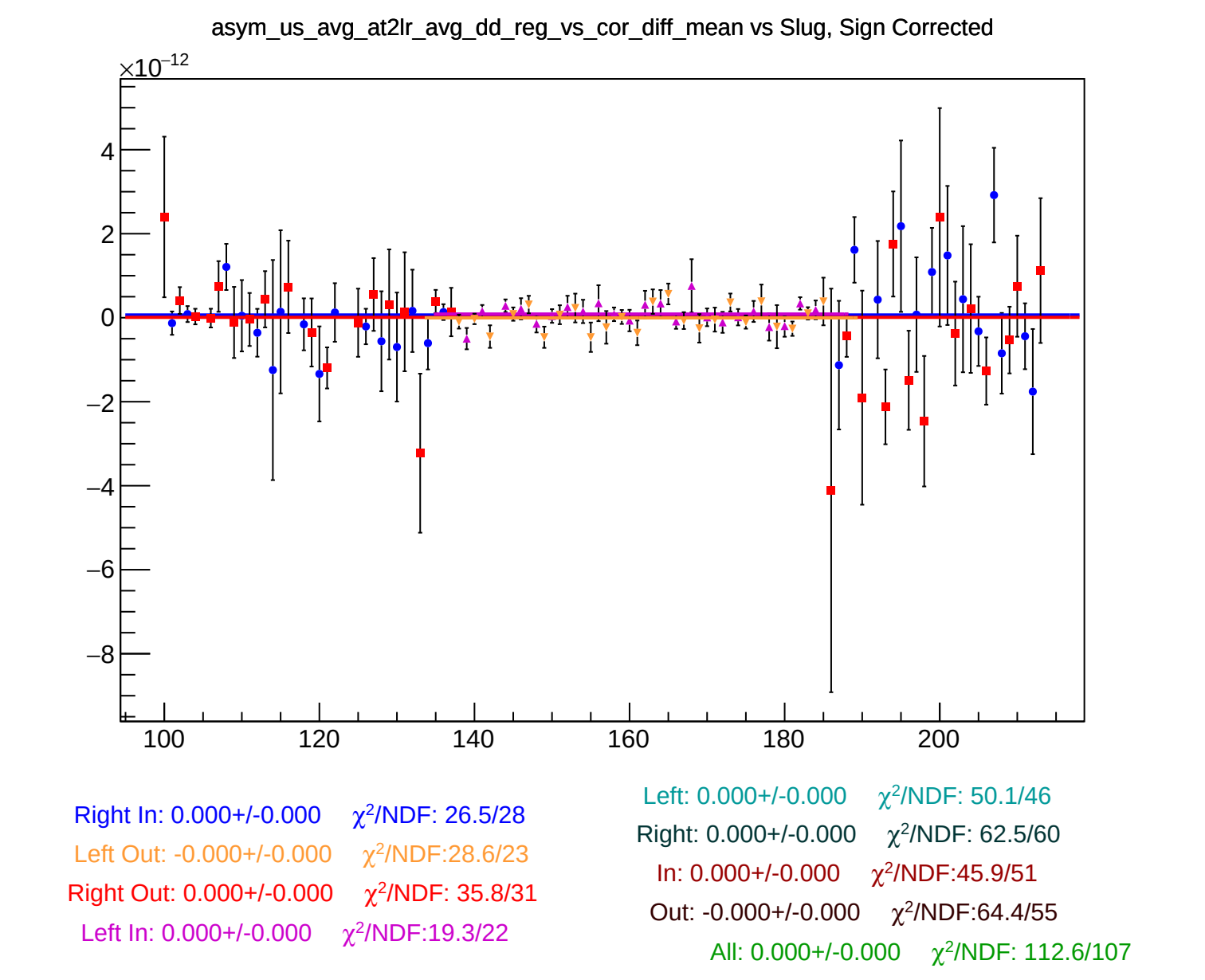
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 7217.669+/-0.900 χ^2/NDF: 6894801.5/60

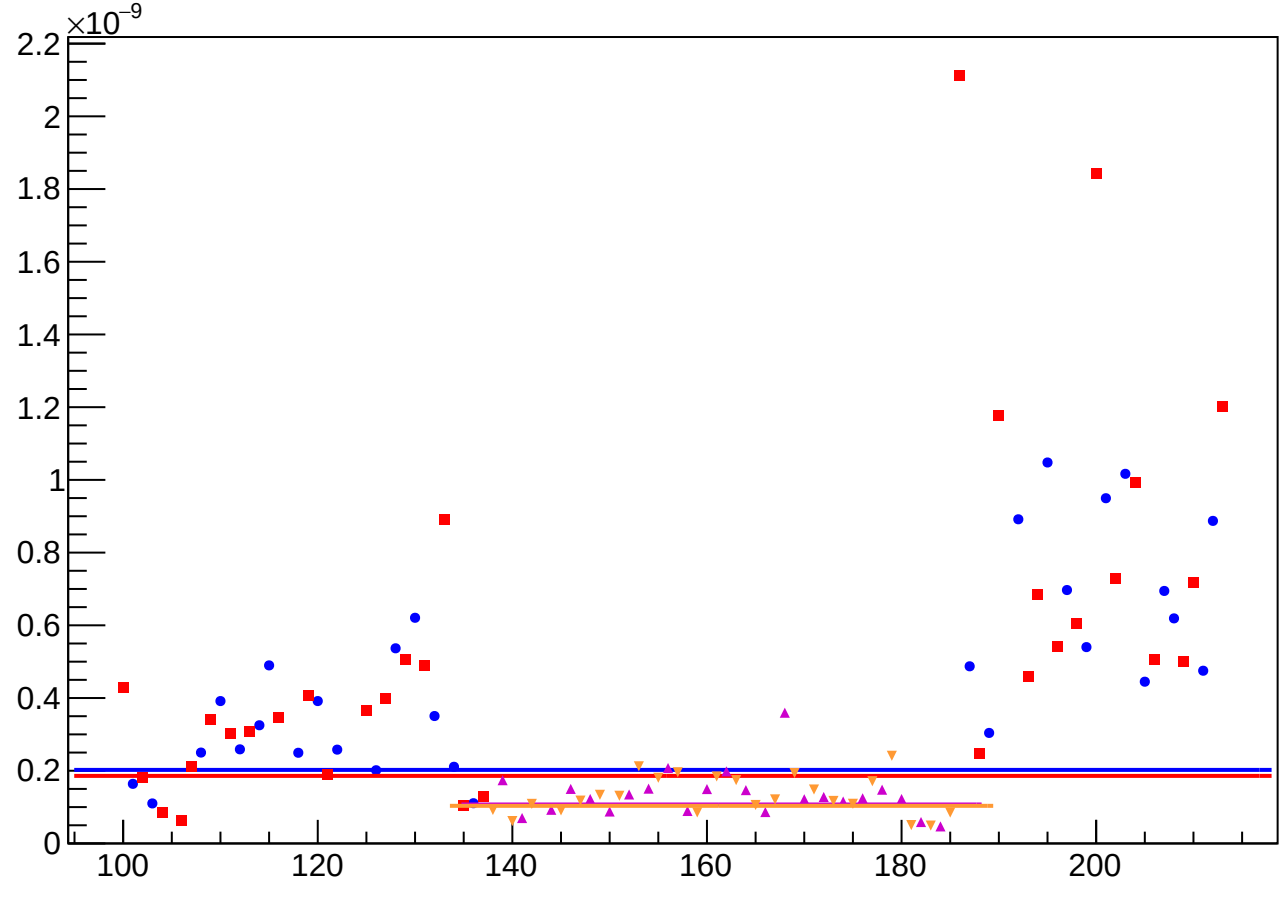
In: 7639.291+/-0.930 χ^2/NDF:3638901.1/51

Out: 7411.228+/-0.901 χ^2/NDF:5584946.0/55

All: 7521.612+/-0.647 χ^2/NDF: 9254879.4/10


asym_us_avg_at2lr_avg_dd_reg_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: 26.5/28
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 35.8/31
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/46
Right: 0.000+/-0.000 χ²/NDF: 62.5/60
In: 0.000+/-0.000 χ²/NDF:45.9/51
Out: -0.000+/-0.000 χ²/NDF:64.4/55
All: 0.000+/-0.000 χ²/NDF: 112.6/107

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5503895.8/28

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

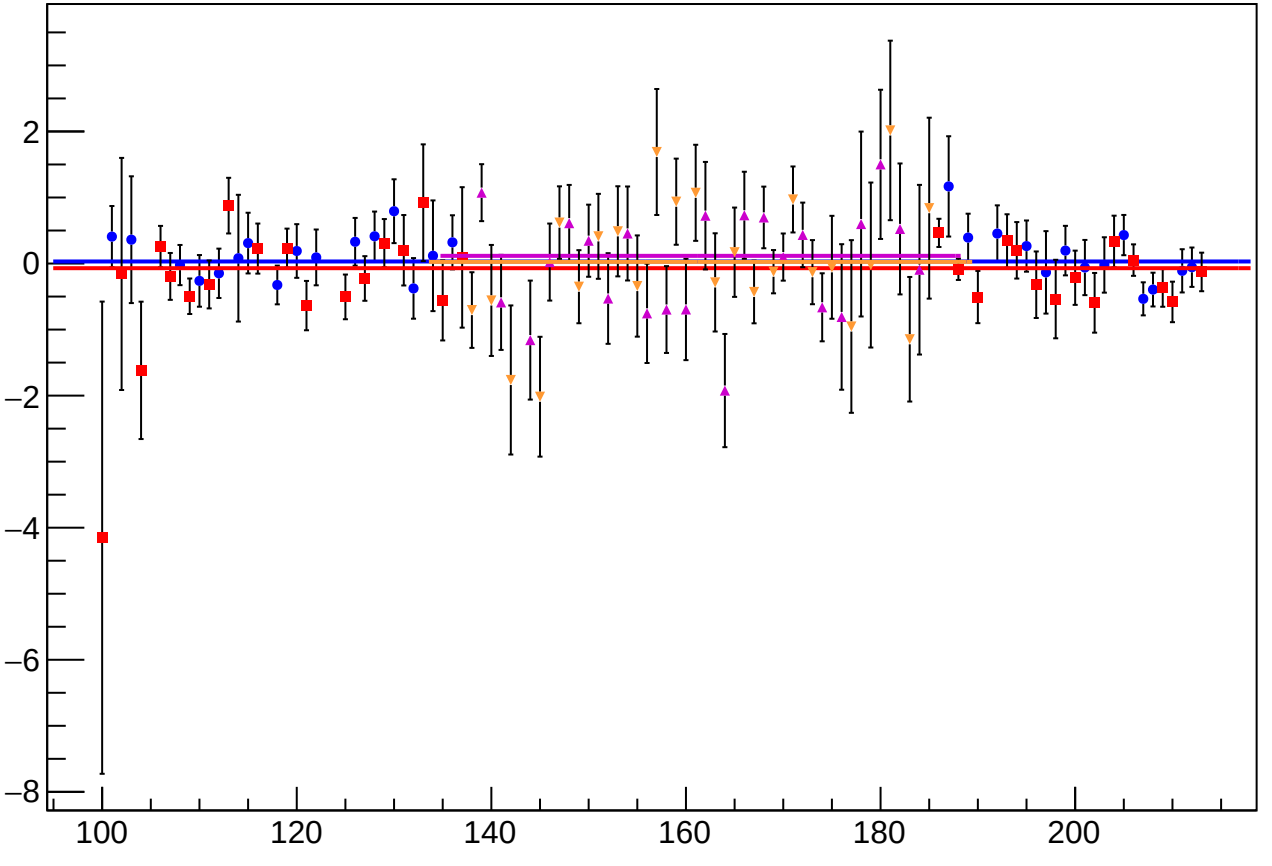
Right: 0.000+/-0.000 χ^2/NDF: 13033991.4/60

In: 0.000+/-0.000 χ^2/NDF:8645551.9/51

Out: 0.000+/-0.000 χ^2/NDF:10614928.5/55

All: 0.000+/-0.000 χ^2/NDF: 19281949.3/107

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.071 χ^2/NDF: 23.9/28

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

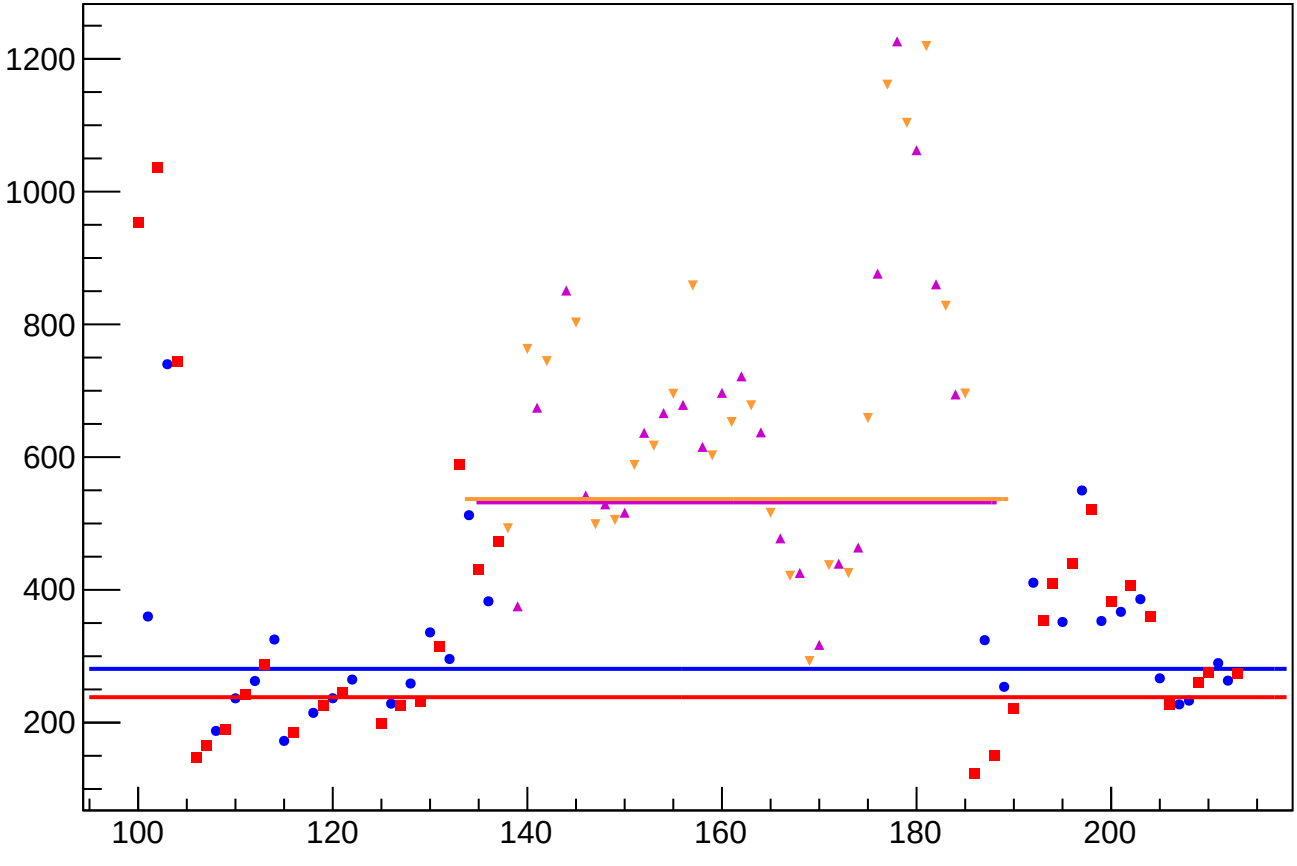
Right: -0.027+/-0.047 χ^2/NDF: 63.4/60

In: 0.051+/-0.063 χ^2/NDF:52.0/51

Out: -0.054+/-0.056 χ^2/NDF:67.8/55

All: -0.007+/-0.042 χ^2/NDF: 121.4/107

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 281.002+/-0.051 χ^2/NDF: 2429698.0/28

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

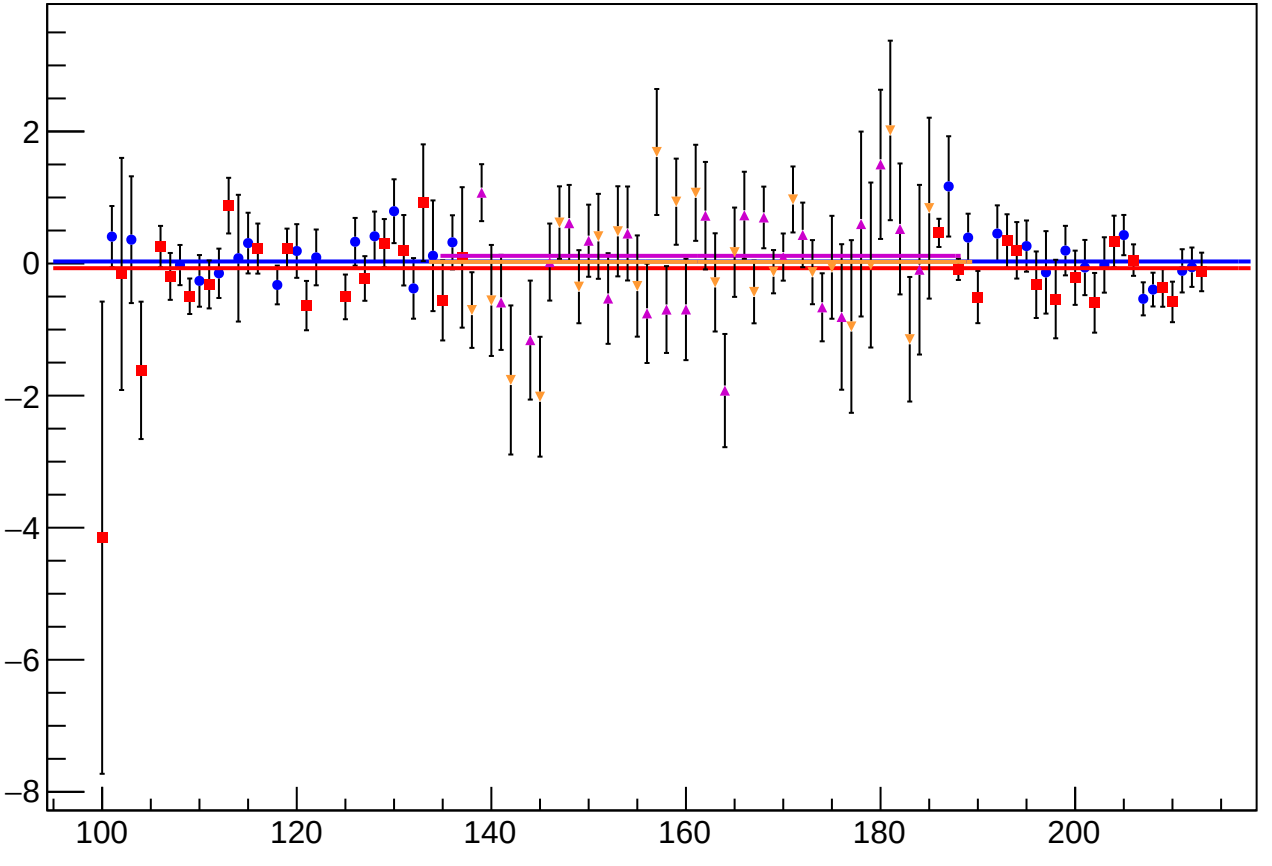
Right: 256.630+/-0.033 χ^2/NDF: 8106731.0/60

In: 337.539+/-0.044 χ^2/NDF:11362651.3/51

Out: 290.930+/-0.040 χ^2/NDF:17412318.4/55

All: 311.644+/-0.030 χ^2/NDF: 29385145.0/10

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.071 χ^2/NDF: 23.9/28

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

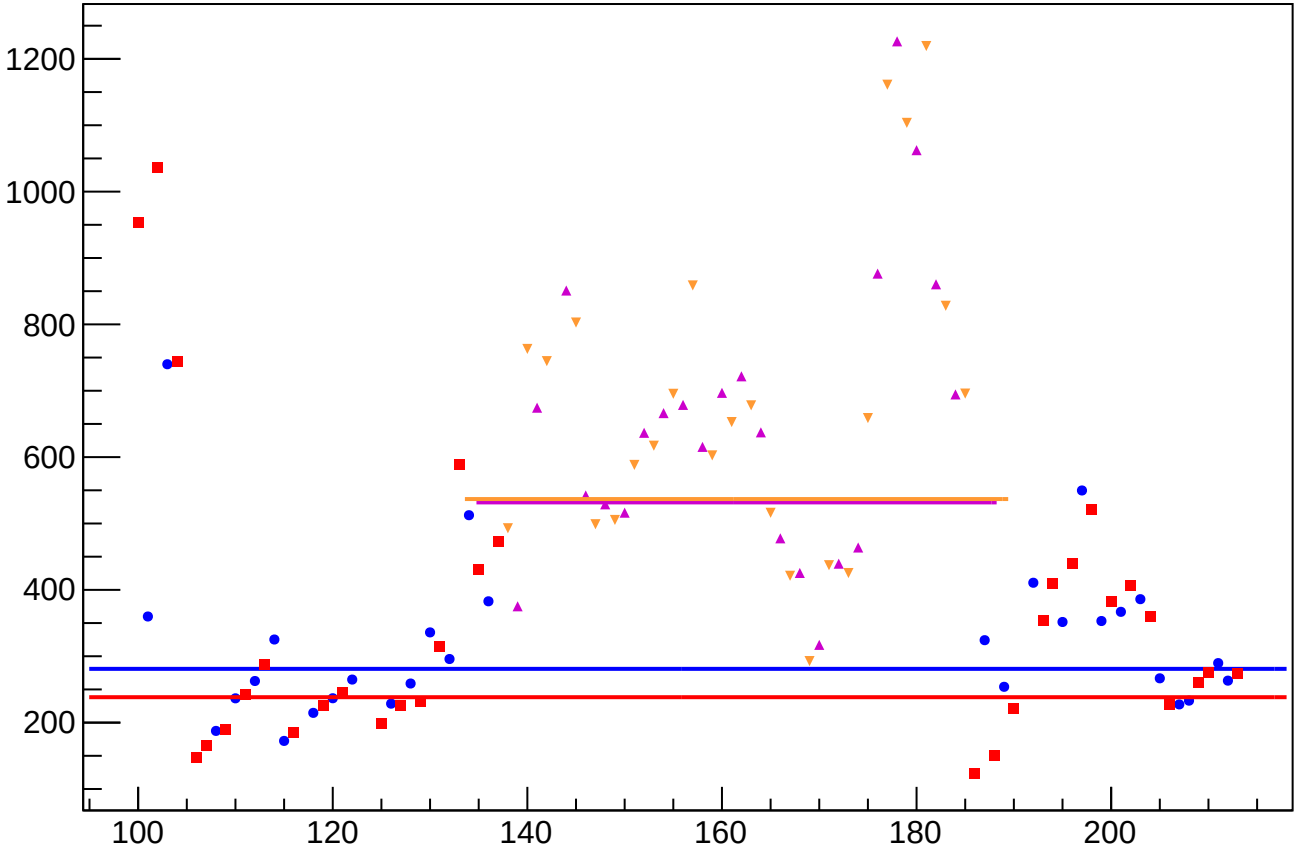
Right: -0.027+/-0.047 χ^2/NDF: 63.4/60

In: 0.051+/-0.063 χ^2/NDF:52.0/51

Out: -0.054+/-0.056 χ^2/NDF:67.8/55

All: -0.007+/-0.042 χ^2/NDF: 121.4/107

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 281.002+/-0.051 χ^2/NDF: 2429698.0/28

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

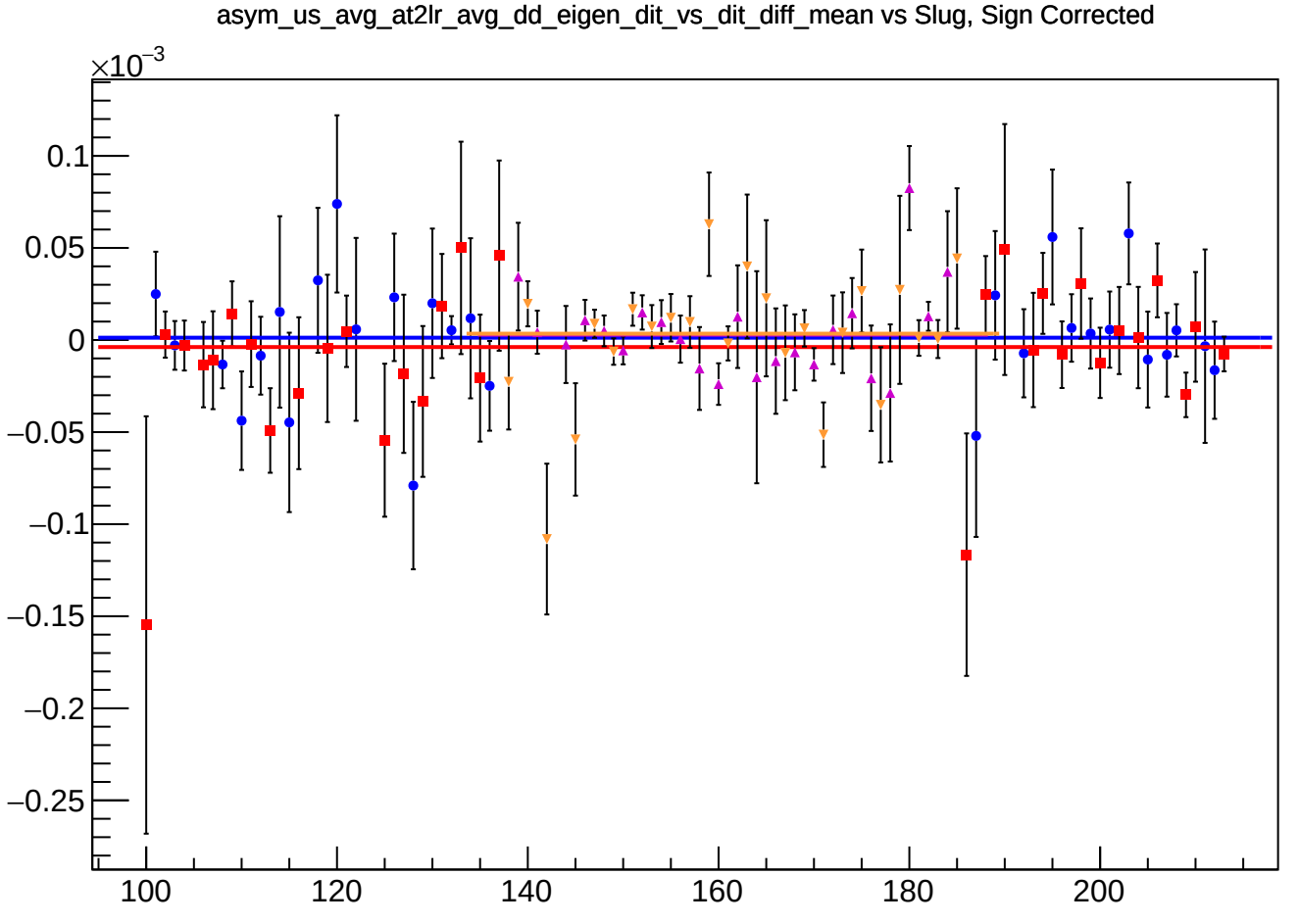
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 256.630+/-0.033 χ^2/NDF: 8106731.0/60

In: 337.539+/-0.044 χ^2/NDF:11362651.3/51

Out: 290.930+/-0.040 χ^2/NDF:17412318.4/55

All: 311.644+/-0.030 χ^2/NDF: 29385145.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/28

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

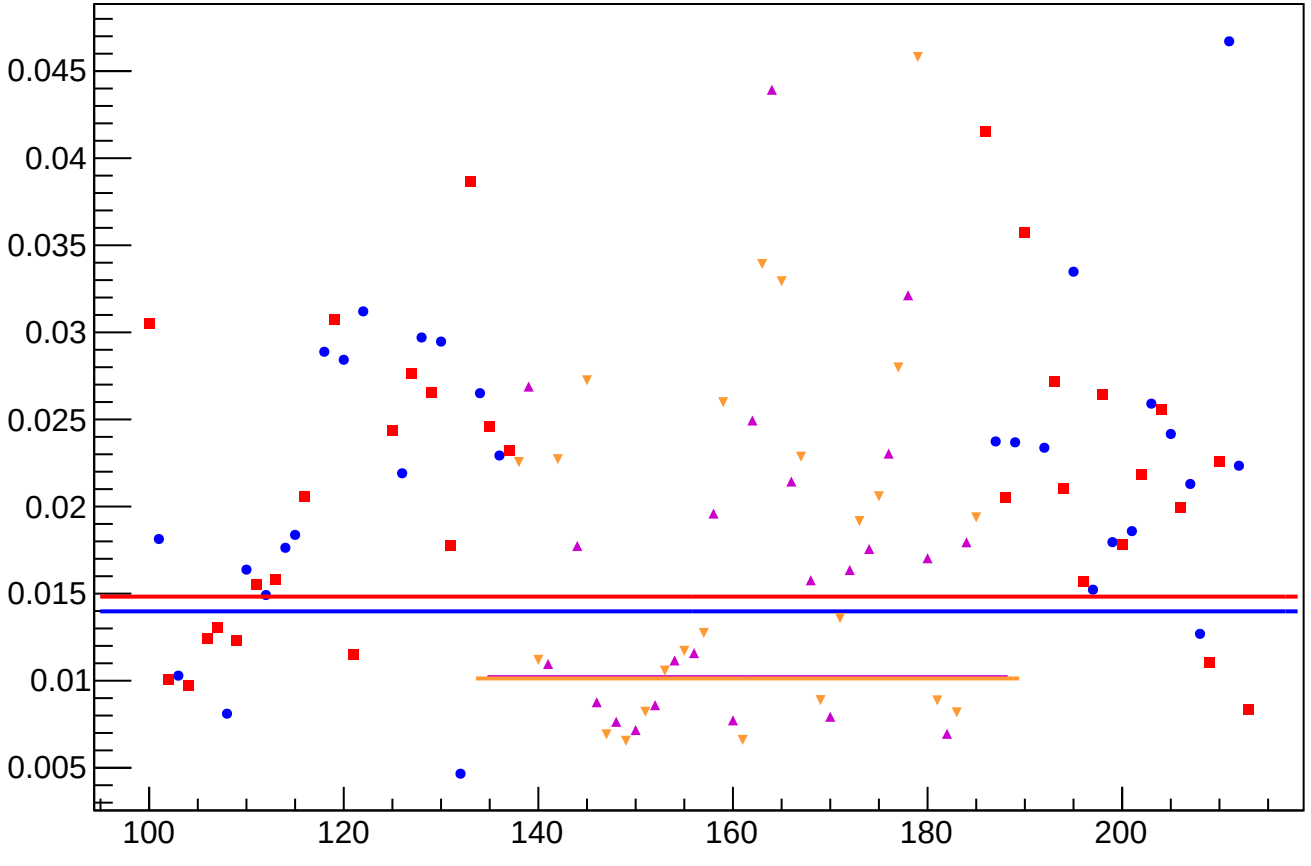
Right: -0.000+/-0.000 χ^2/NDF: 54.1/60

In: 0.000+/-0.000 χ^2/NDF:55.9/51

Out: 0.000+/-0.000 χ^2/NDF:71.1/55

All: 0.000+/-0.000 χ^2/NDF: 127.1/107

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 8577559.3/28

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

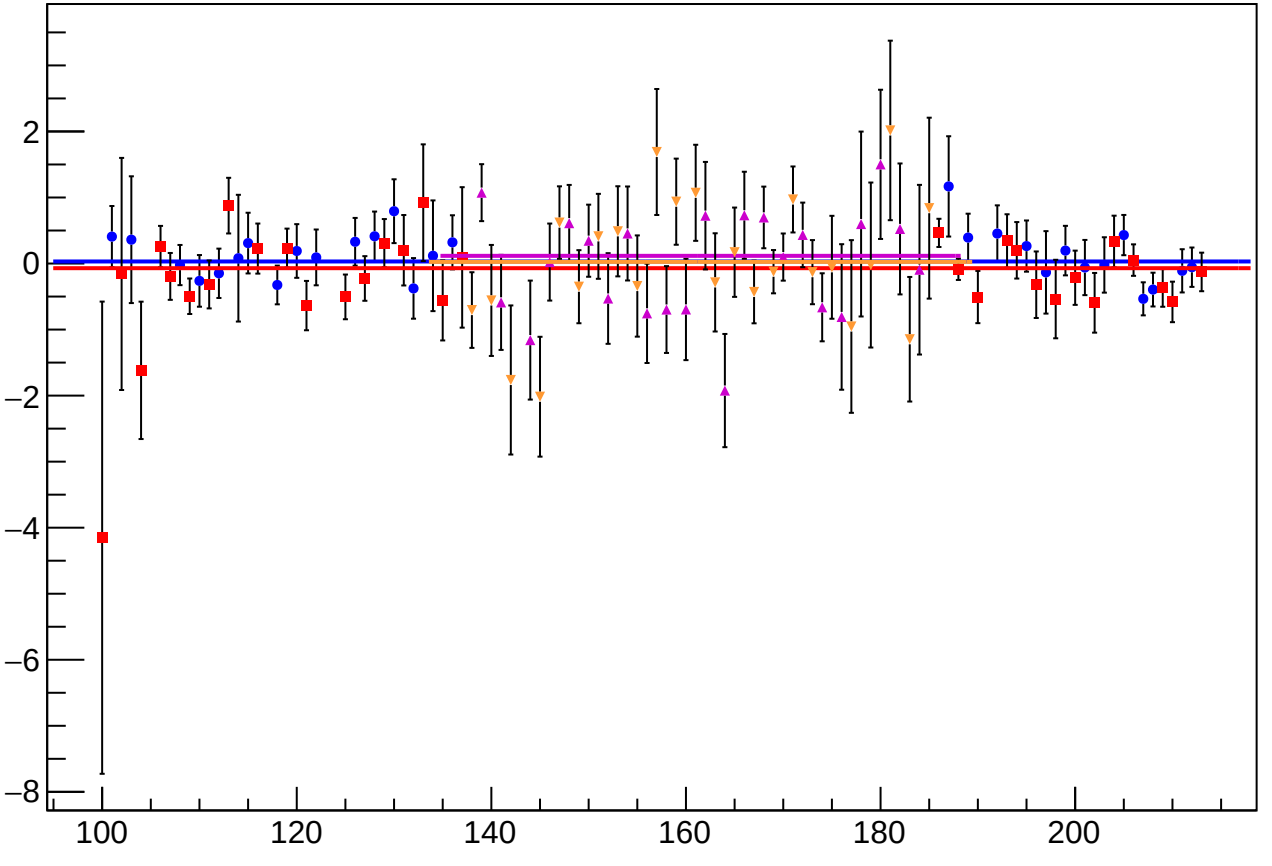
Right: 0.014+/-0.000 χ^2/NDF: 14125671.1/60

In: 0.011+/-0.000 χ^2/NDF:15873201.0/51

Out: 0.012+/-0.000 χ^2/NDF:15299786.3/55

All: 0.012+/-0.000 χ^2/NDF: 31187461.1/107

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.071 χ^2/NDF: 23.9/28

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

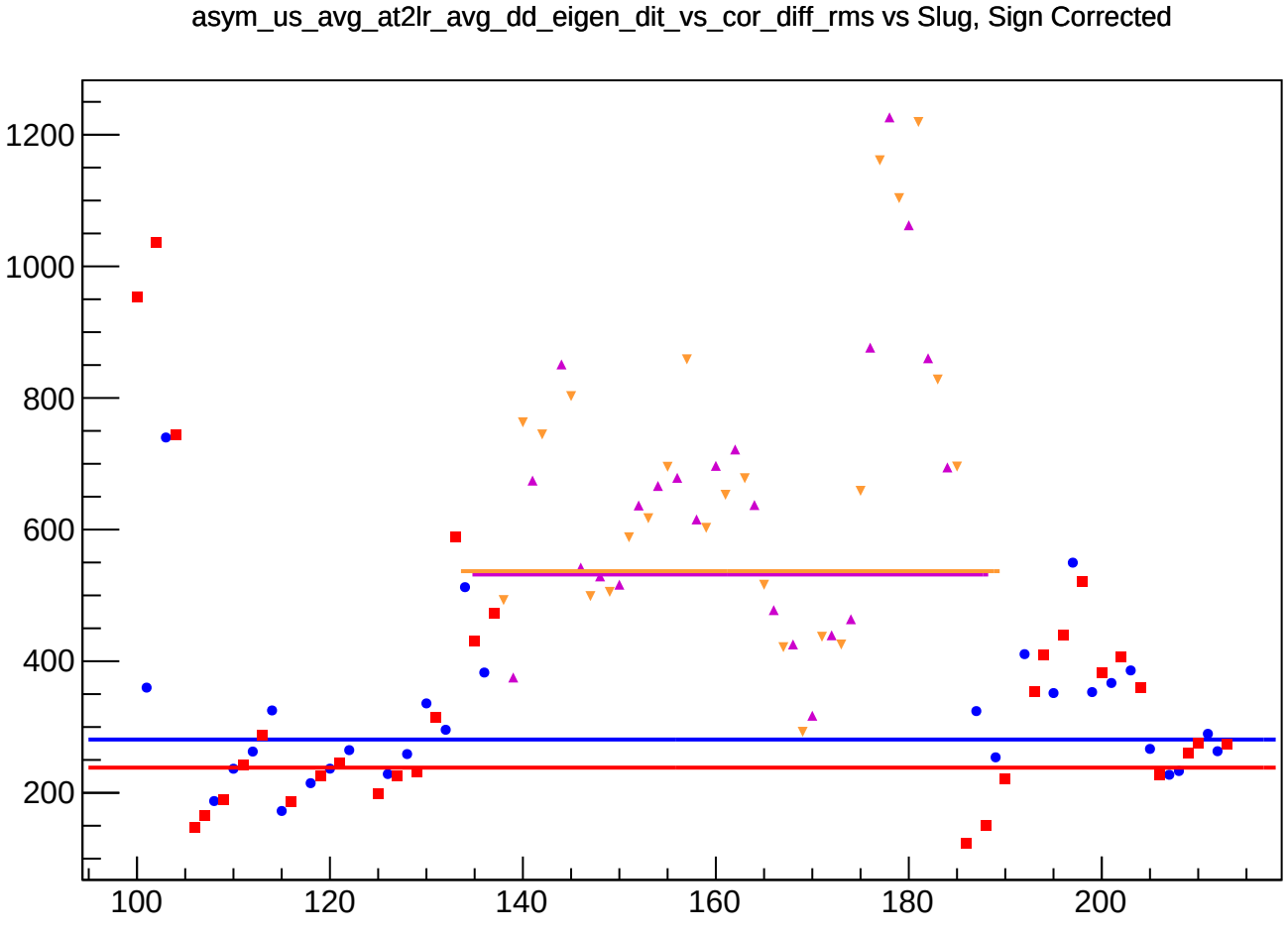
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: -0.027+/-0.047 χ^2/NDF: 63.4/60

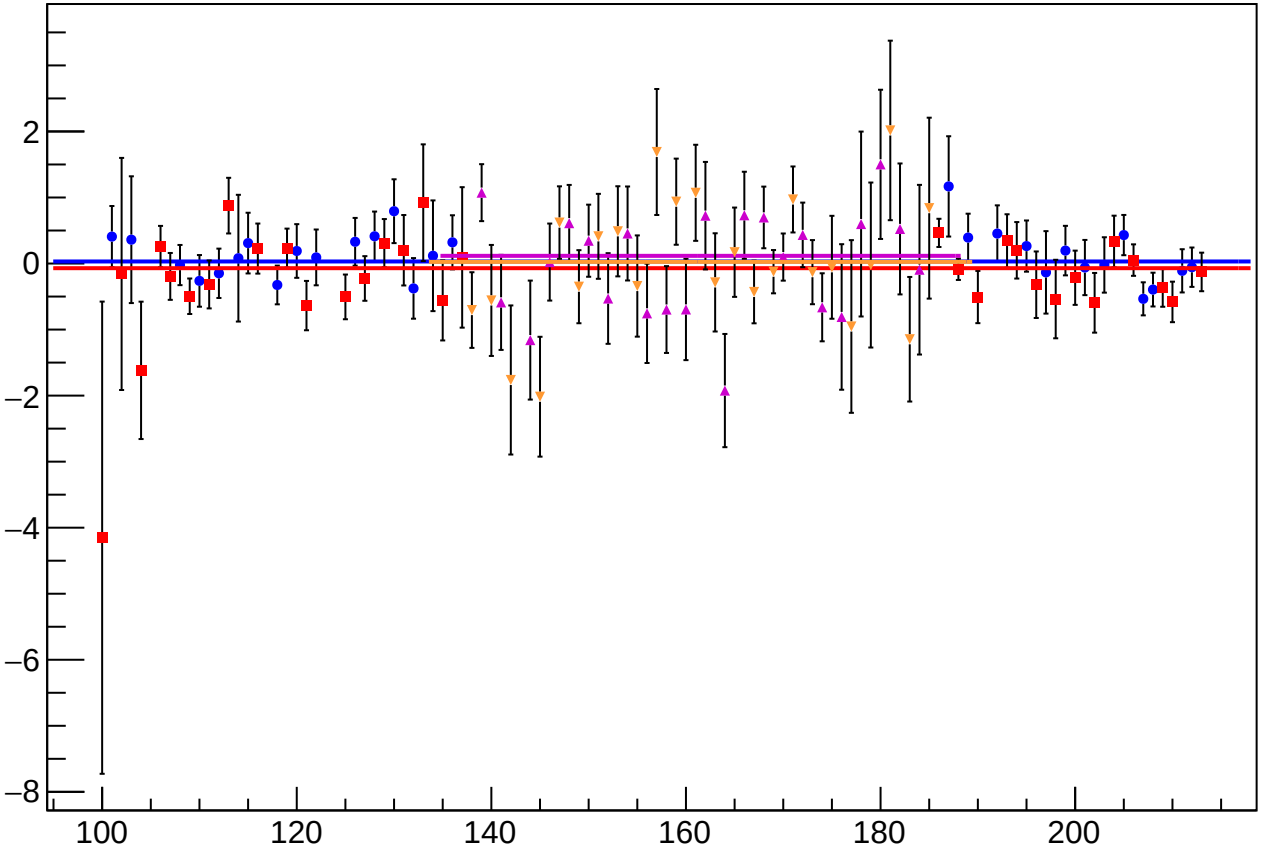
In: 0.051+/-0.063 χ^2/NDF:52.0/51

Out: -0.054+/-0.056 χ^2/NDF:67.8/55

All: -0.007+/-0.042 χ^2/NDF: 121.4/107


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 281.001+/-0.051 χ²/NDF: 2429701.3/28
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 238.295+/-0.044 χ²/NDF: 5269598.0/31
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
Left: 534.268+/-0.067 χ²/NDF: 7346152.7/46
Right: 256.628+/-0.033 χ²/NDF: 8106907.8/60
In: 337.538+/-0.044 χ²/NDF:11362867.3/51
Out: 290.927+/-0.040 χ²/NDF:17412782.8/55
All: 311.642+/-0.030 χ²/NDF: 29385887.0/10

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.071 χ^2/NDF: 23.9/28

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

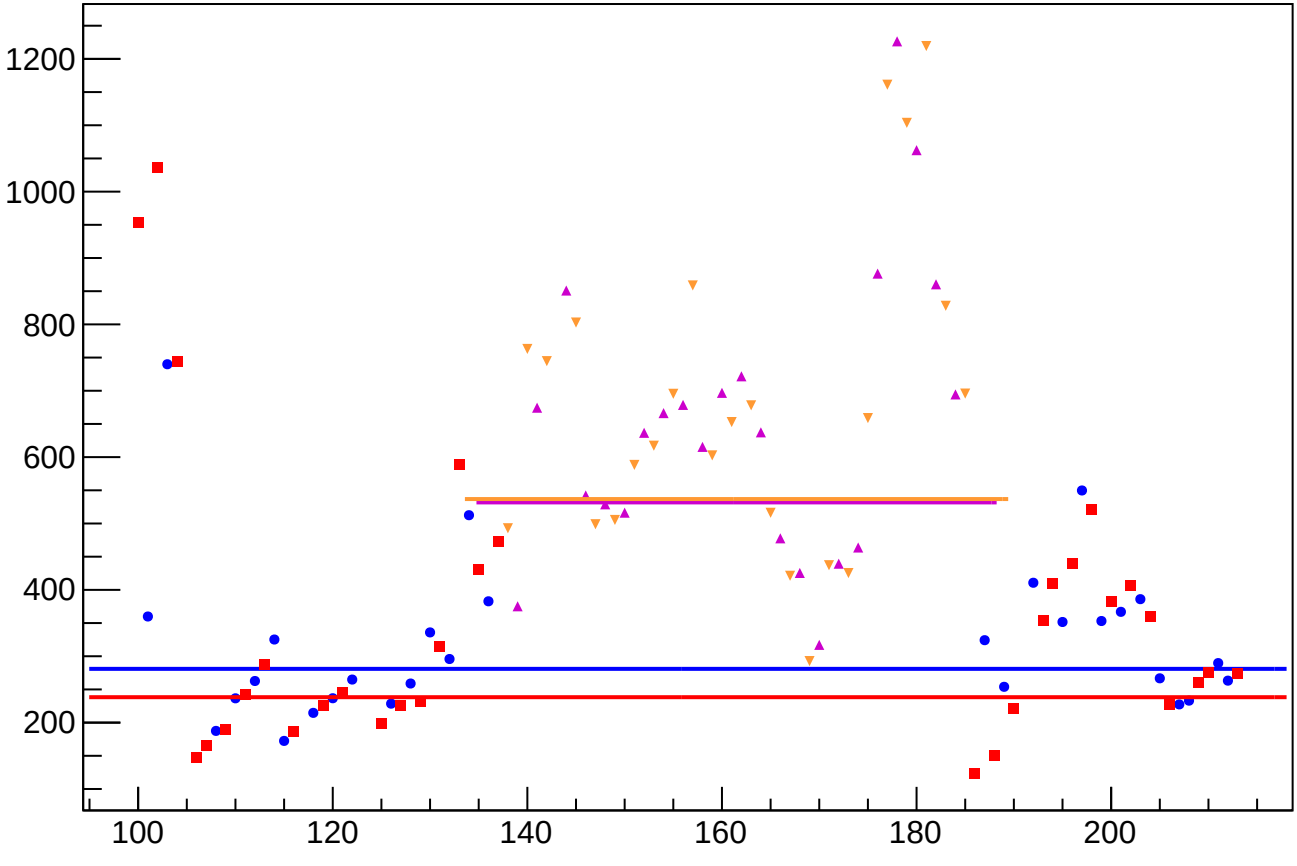
Right: -0.027+/-0.047 χ^2/NDF: 63.4/60

In: 0.051+/-0.063 χ^2/NDF:52.0/51

Out: -0.054+/-0.056 χ^2/NDF:67.8/55

All: -0.007+/-0.042 χ^2/NDF: 121.4/107

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 281.001+/-0.051 χ^2/NDF: 2429701.3/28

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

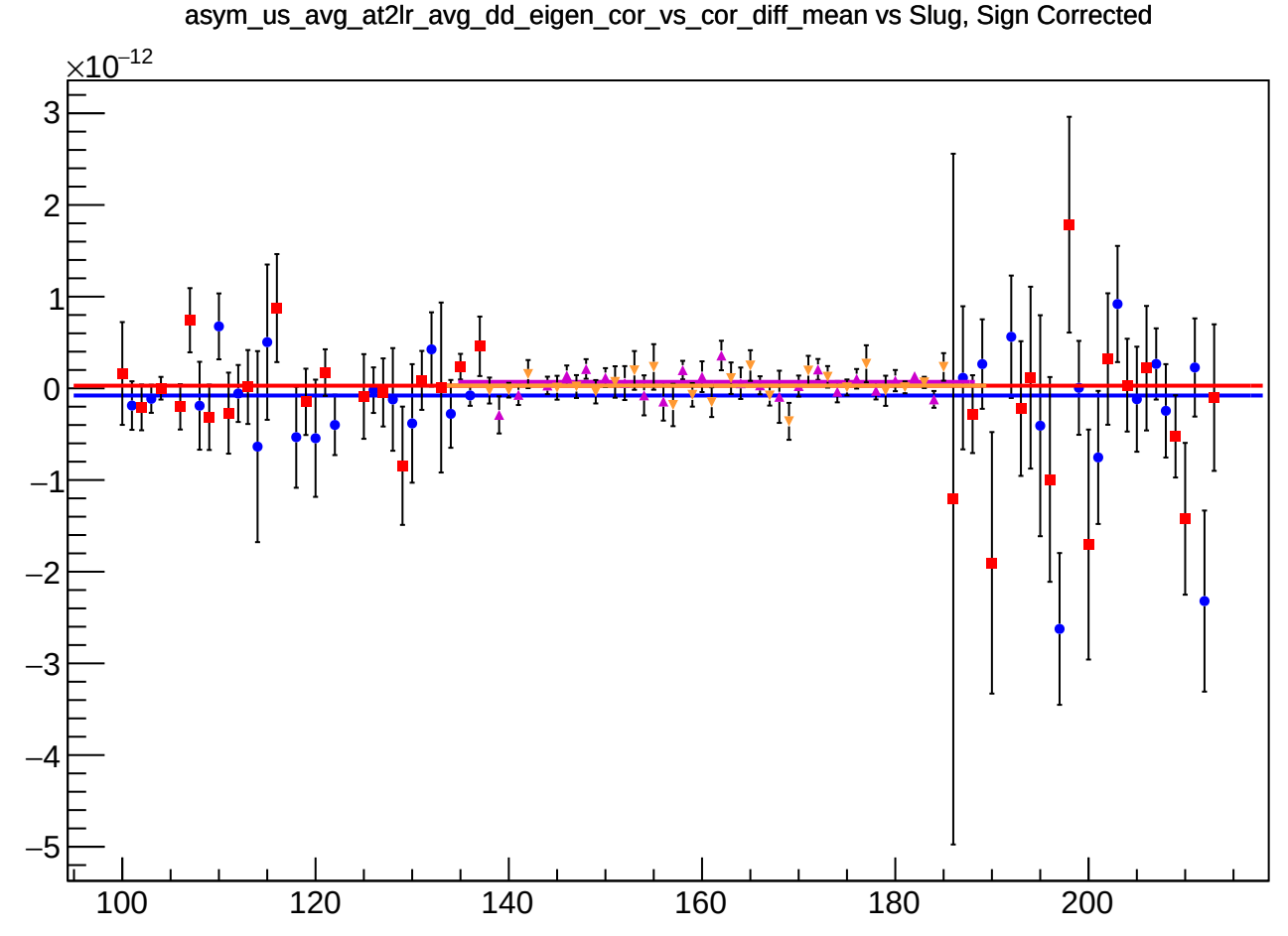
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 256.628+/-0.033 χ^2/NDF: 8106907.8/60

In: 337.538+/-0.044 χ^2/NDF:11362867.3/51

Out: 290.927+/-0.040 χ^2/NDF:17412782.8/55

All: 311.642+/-0.030 χ^2/NDF: 29385887.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 30.5/28

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

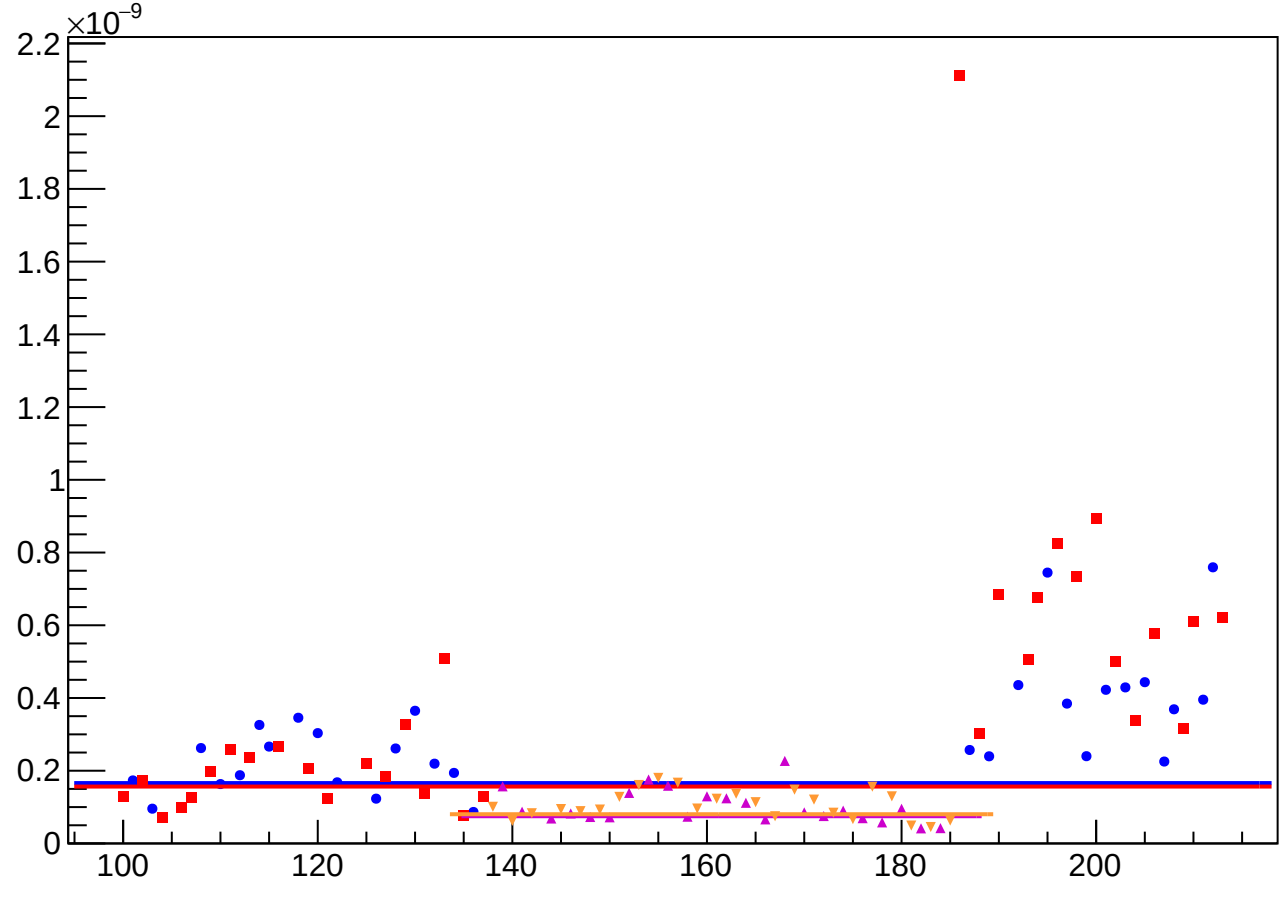
Right: -0.000+/-0.000 χ^2/NDF: 60.4/60

In: 0.000+/-0.000 χ^2/NDF:58.7/51

Out: 0.000+/-0.000 χ^2/NDF:46.2/55

All: 0.000+/-0.000 χ^2/NDF: 105.4/107

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: 5792650.7/28

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

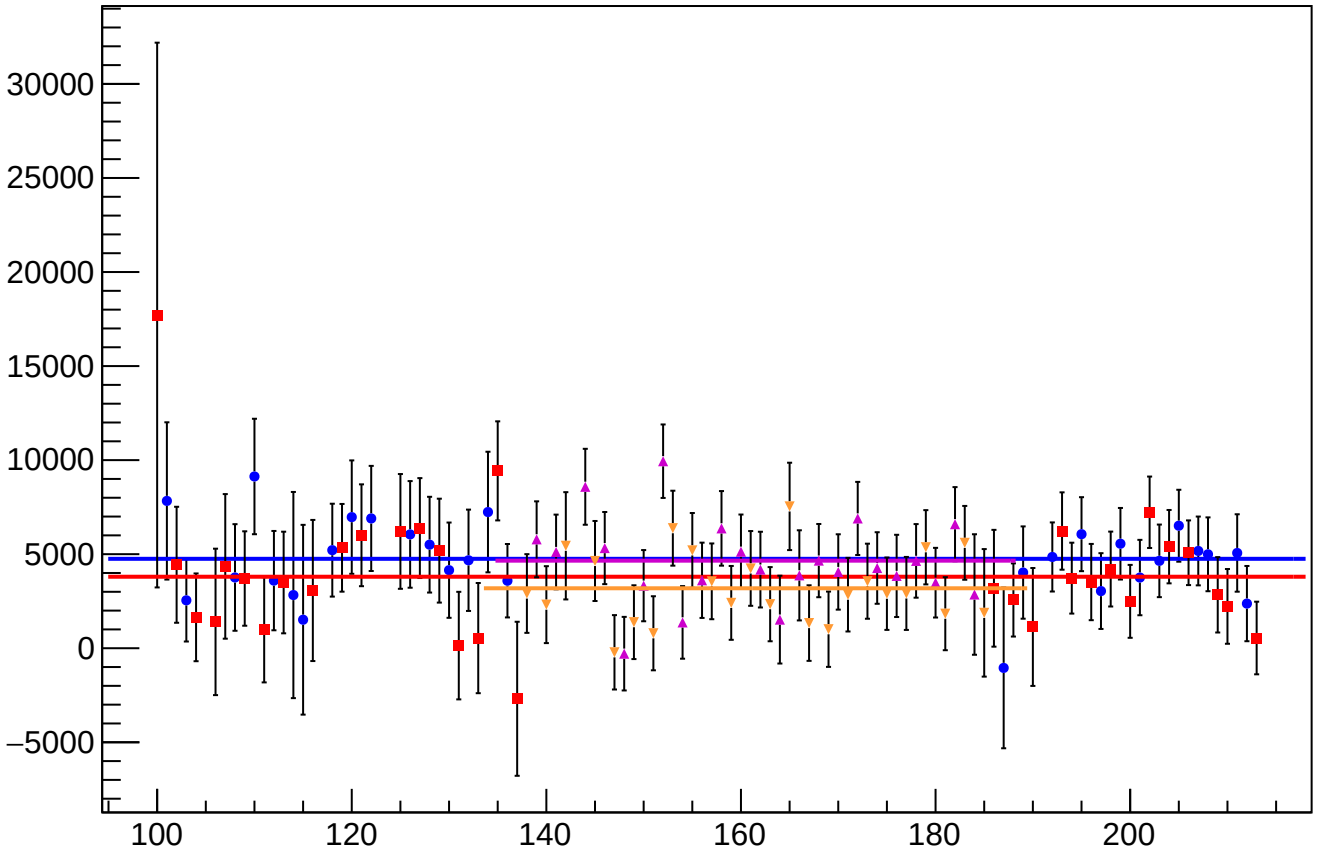
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 15346901.3/60

In: 0.000+/-0.000 χ^2/NDF:13071164.6/51

Out: 0.000+/-0.000 χ^2/NDF:15930637.7/55

All: 0.000+/-0.000 χ^2/NDF: 29058034.7/107



Right In: 4753.410+/-439.294 χ^2/NDF: 12.8/28

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

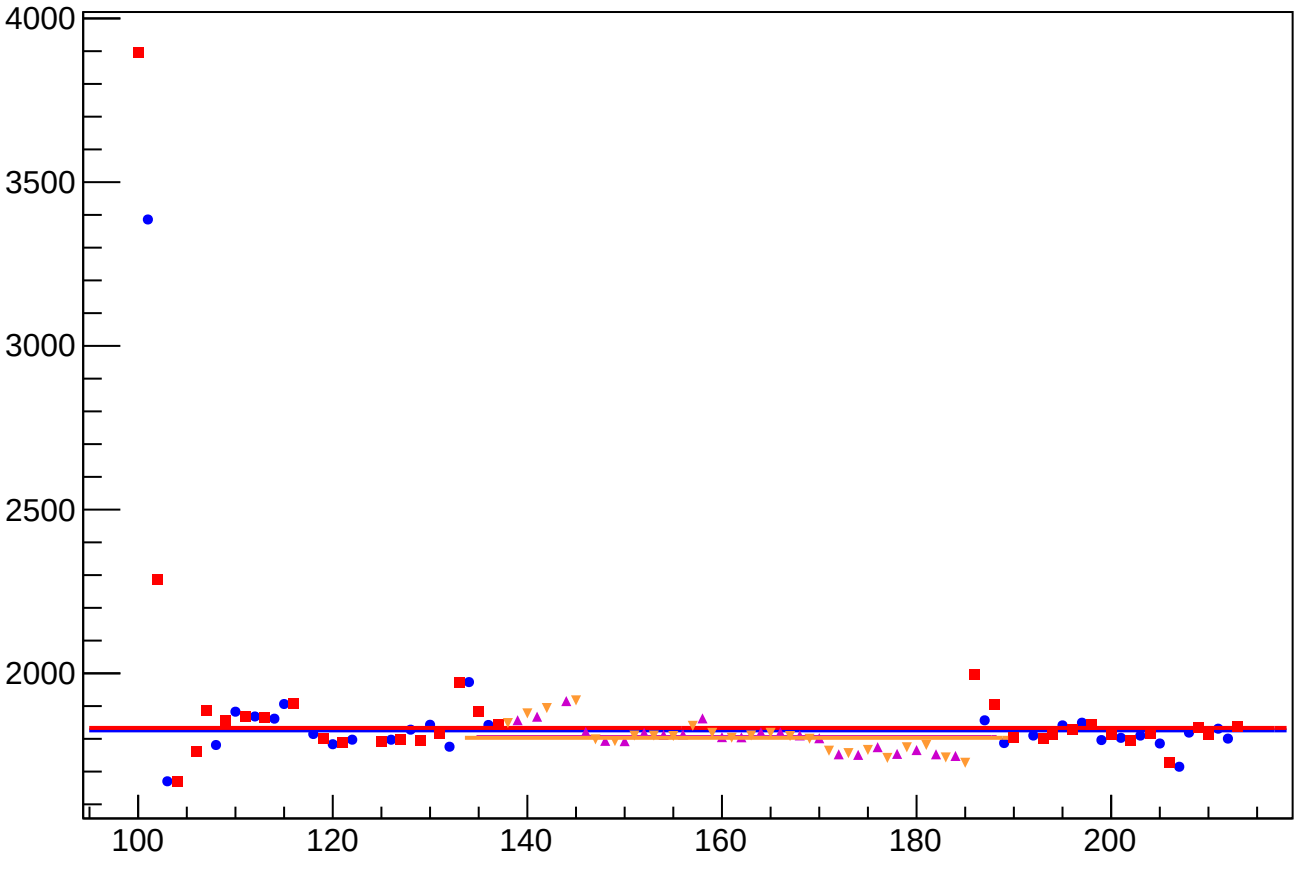
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4264.504+/-306.469 χ^2/NDF: 42.7/60

In: 4702.301+/-304.214 χ^2/NDF:40.5/51

Out: 3487.400+/-299.188 χ^2/NDF:48.4/55

All: 4084.732+/-213.312 χ^2/NDF: 97.0/107



Right In: 1825.845+/-0.311 χ^2/NDF: 307612.4/28

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

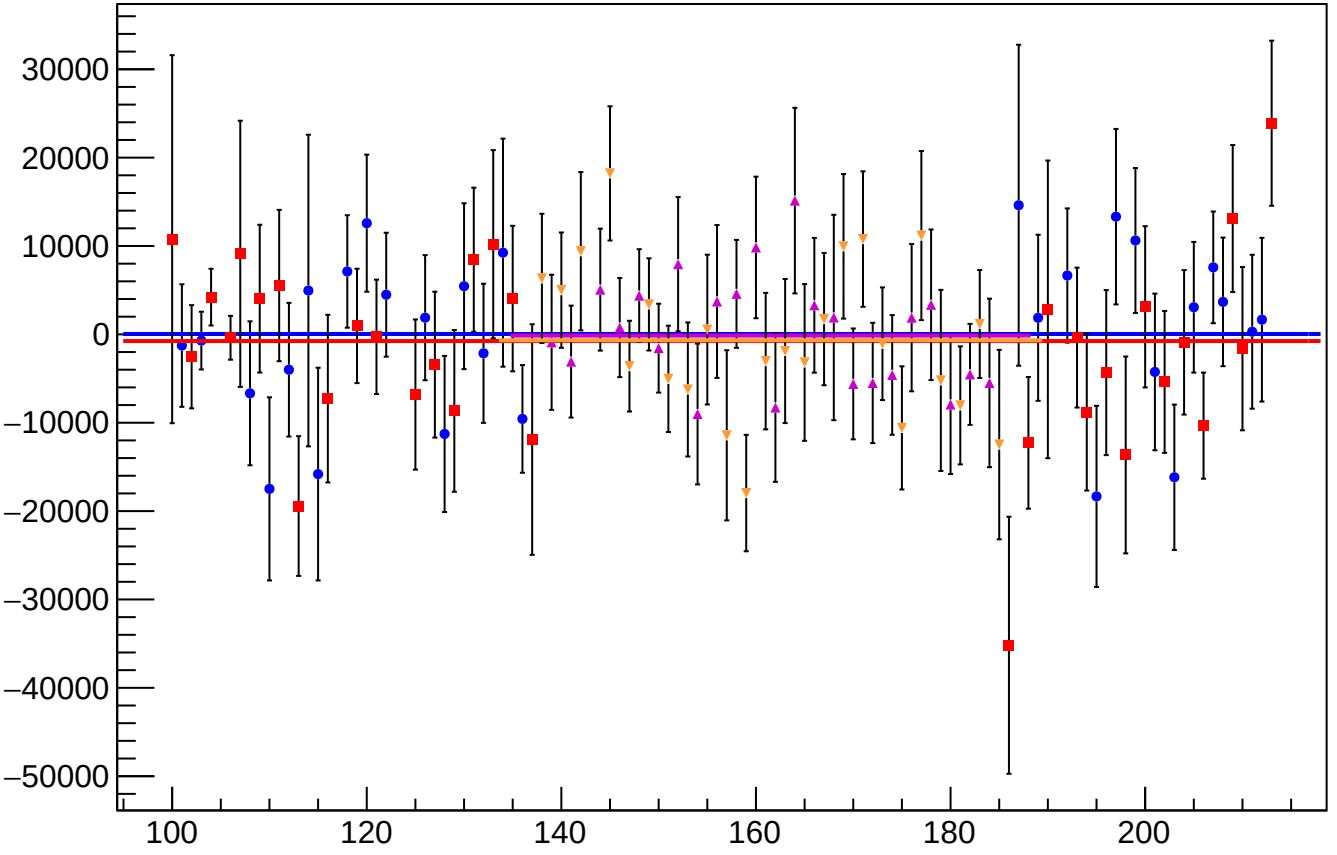
Right: 1829.690+/-0.217 χ^2/NDF: 429515.2/60

In: 1815.287+/-0.215 χ^2/NDF:329146.8/51

Out: 1817.912+/-0.211 χ^2/NDF:147348.2/55

All: 1816.622+/-0.151 χ^2/NDF: 476570.8/107

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 40.309+/-1411.256 χ^2/NDF: 29.2/28

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -755.157+/-1225.772 χ^2/NDF: 38.1/31

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

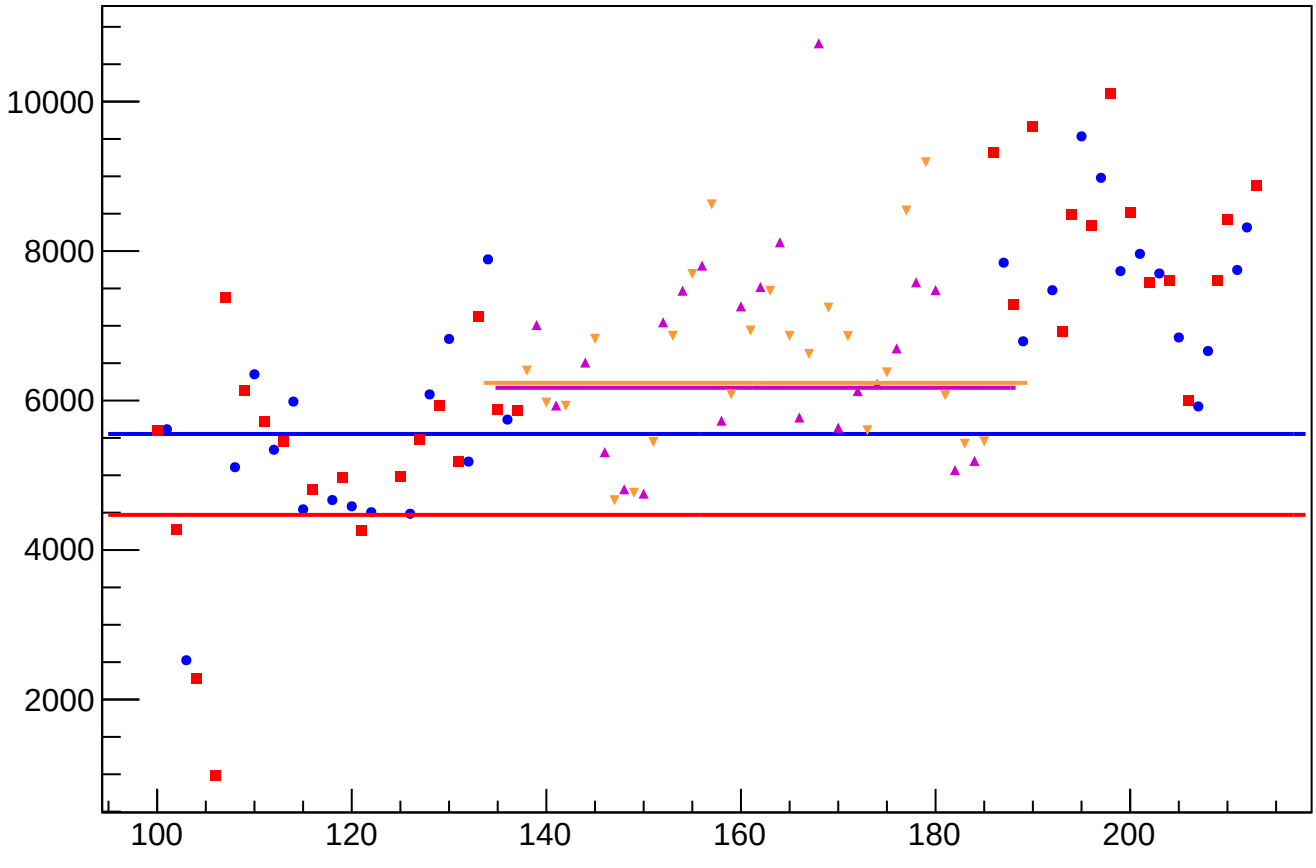
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

Right: -413.101+/-925.431 χ^2/NDF: 67.5/60

In: -47.733+/-1018.498 χ^2/NDF:42.8/51

Out: -719.354+/-943.720 χ^2/NDF:67.9/55

All: -409.101+/-692.239 χ^2/NDF: 110.9/107



Right In: 5553.001+/-0.998 χ^2/NDF: 3607054.3/28

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

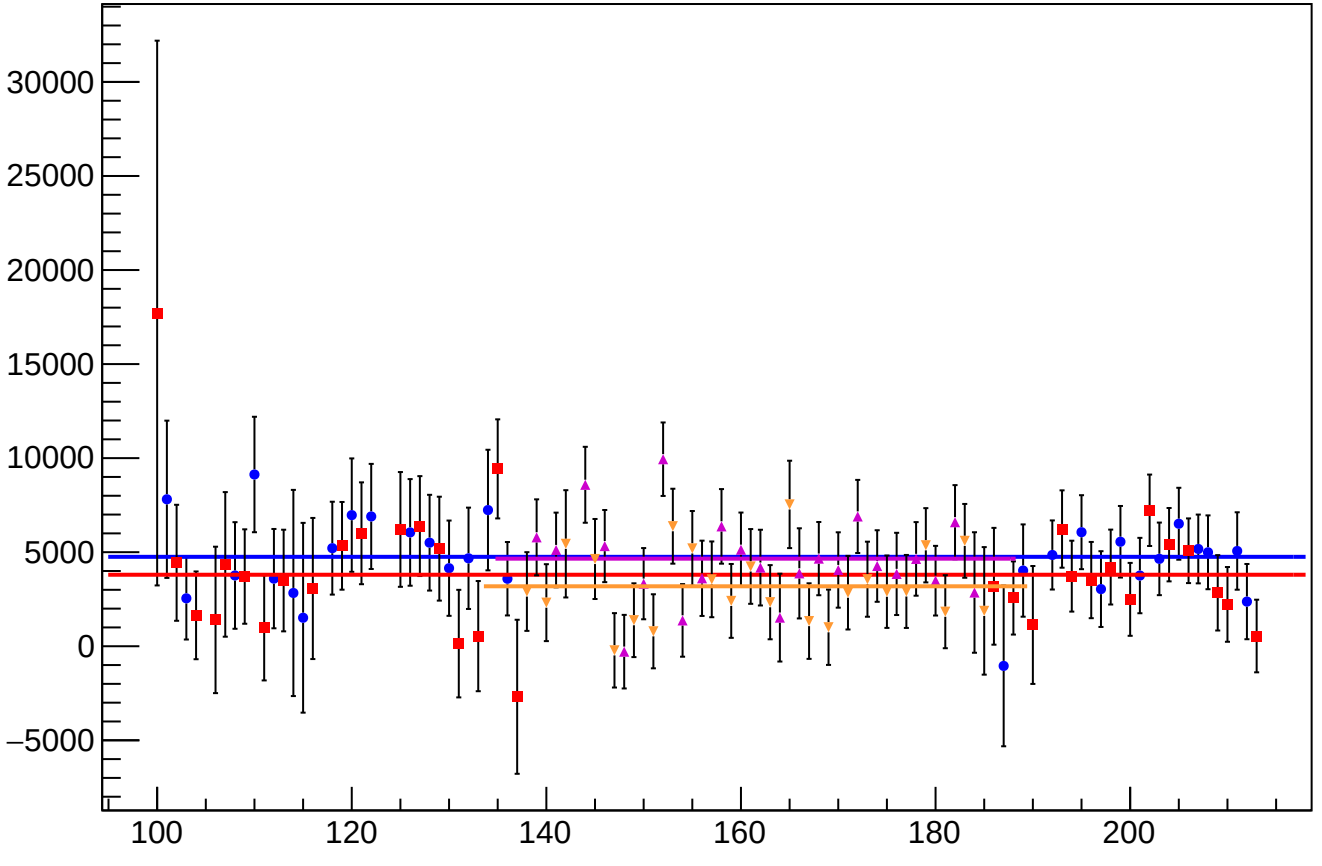
Right: 4936.016+/-0.654 χ^2/NDF: 14091996.7/60

In: 5849.018+/-0.720 χ^2/NDF:5028252.5/51

Out: 5189.804+/-0.667 χ^2/NDF:12572775.9/55

All: 5494.325+/-0.489 χ^2/NDF: 18051834.1/

cor_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4753.239+/-439.294 χ^2/NDF: 12.8/28

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

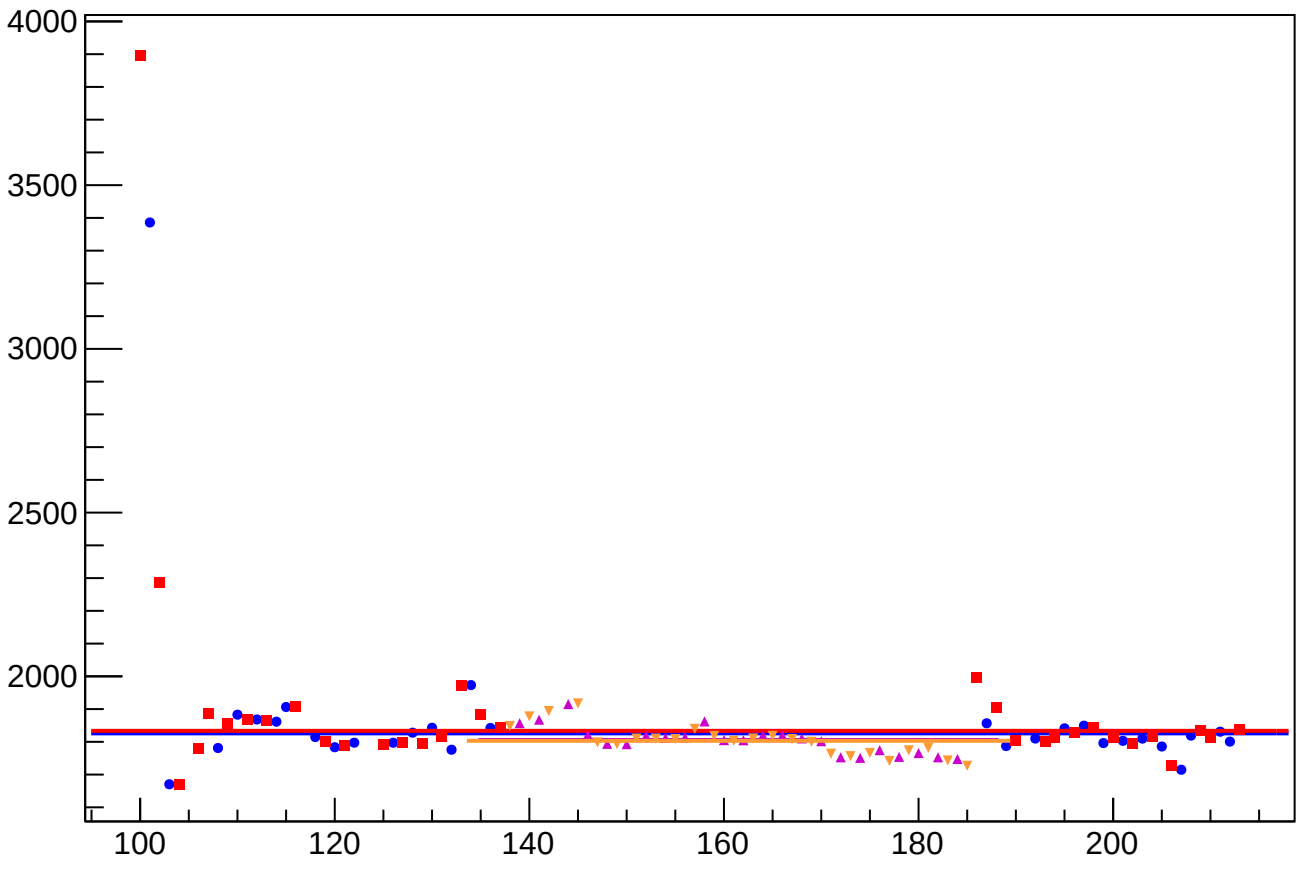
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4264.384+/-306.469 χ^2/NDF: 42.7/60

In: 4702.229+/-304.214 χ^2/NDF:40.5/51

Out: 3487.330+/-299.188 χ^2/NDF:48.4/55

All: 4084.661+/-213.312 χ^2/NDF: 97.0/107



Right In: 1825.845+/-0.311 χ^2/NDF: 307614.2/28

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

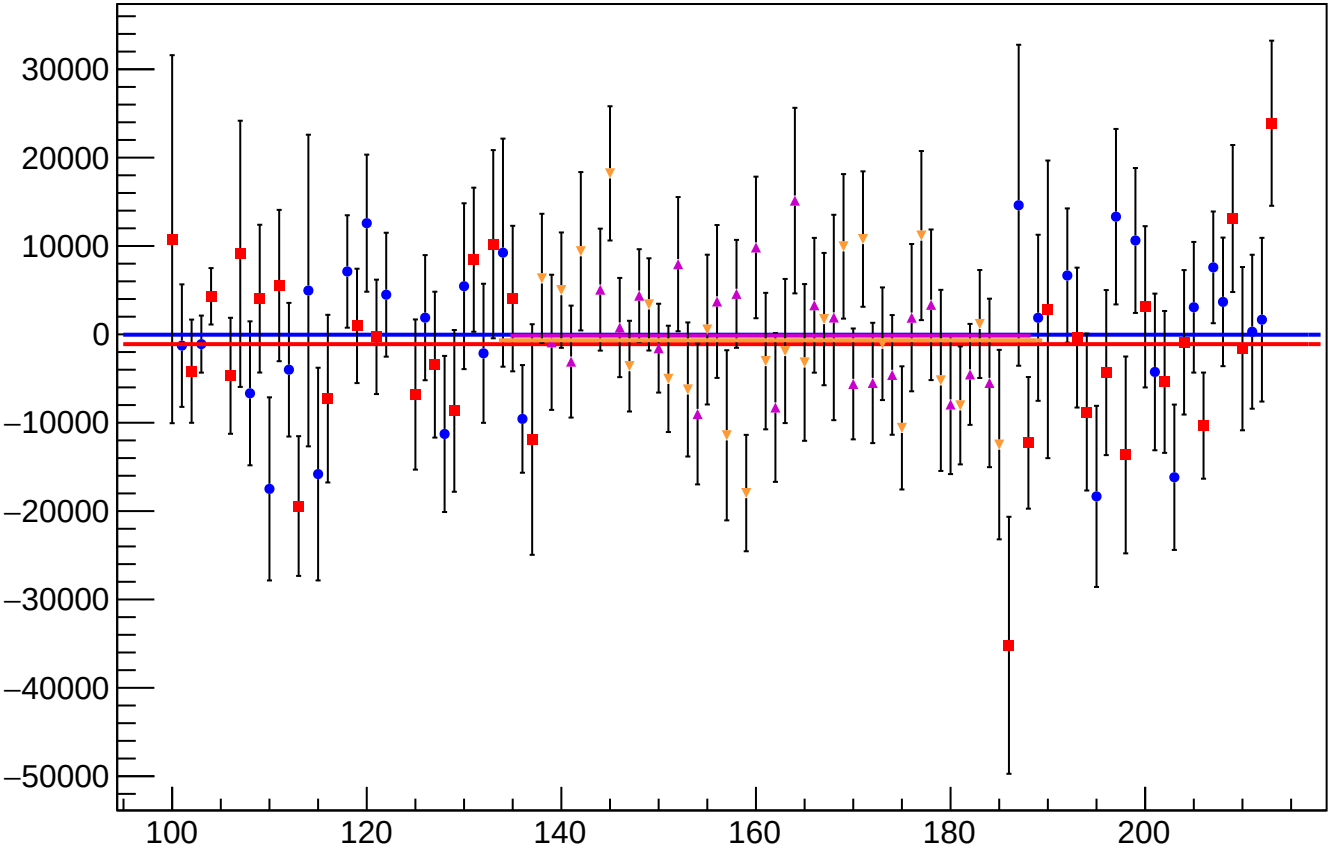
Right: 1829.825+/-0.217 χ^2/NDF: 429186.5/60

In: 1815.287+/-0.215 χ^2/NDF:329148.7/51

Out: 1818.039+/-0.211 χ^2/NDF:147084.9/55

All: 1816.687+/-0.151 χ^2/NDF: 476316.9/107

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -38.426+/-1408.022 χ^2/NDF: 29.3/28

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

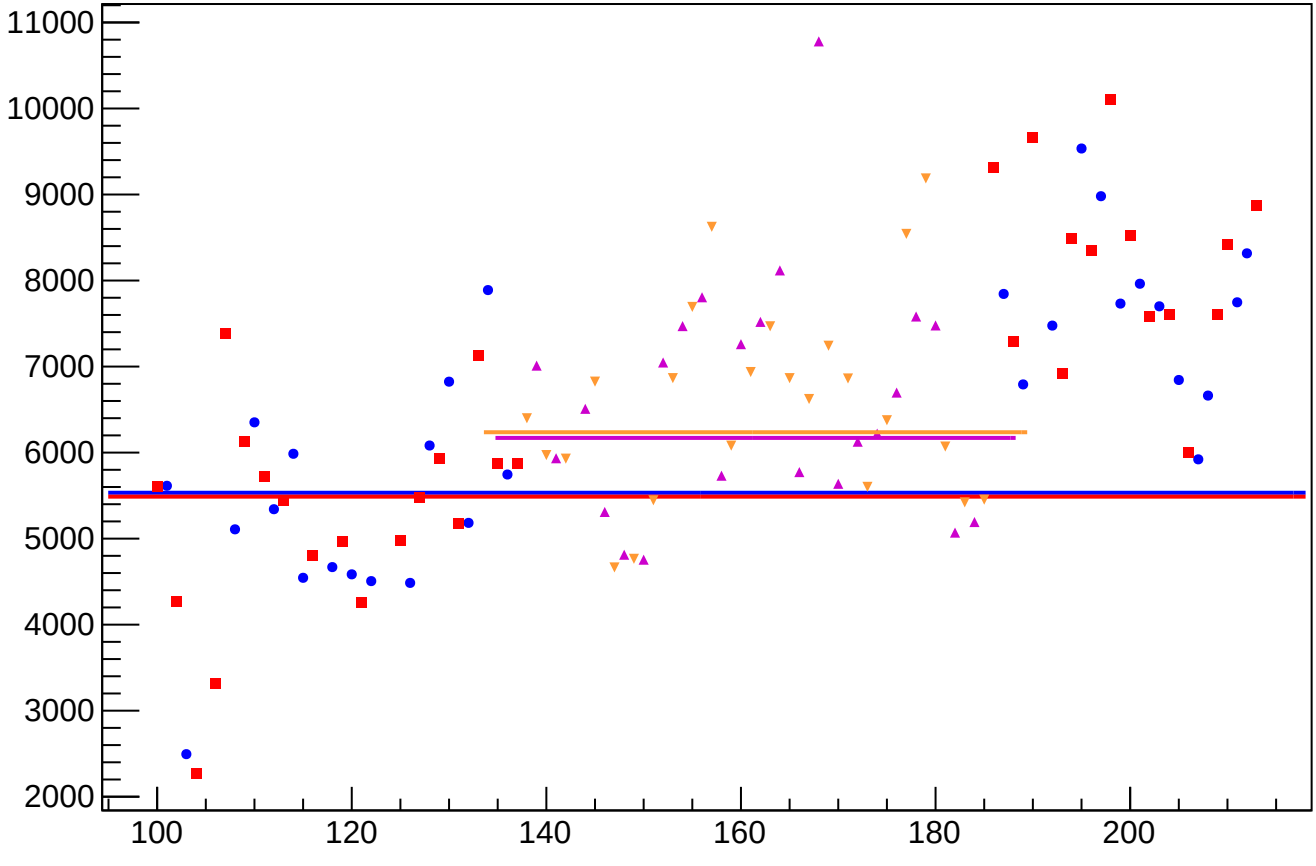
Right: -584.204+/-984.500 χ^2/NDF: 68.3/60

In: -88.590+/-1017.280 χ^2/NDF:42.8/51

Out: -902.368+/-1007.786 χ^2/NDF:68.6/55

All: -499.294+/-715.945 χ^2/NDF: 111.8/107

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5533.273+/-0.996 χ^2/NDF: 3684807.3/28

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

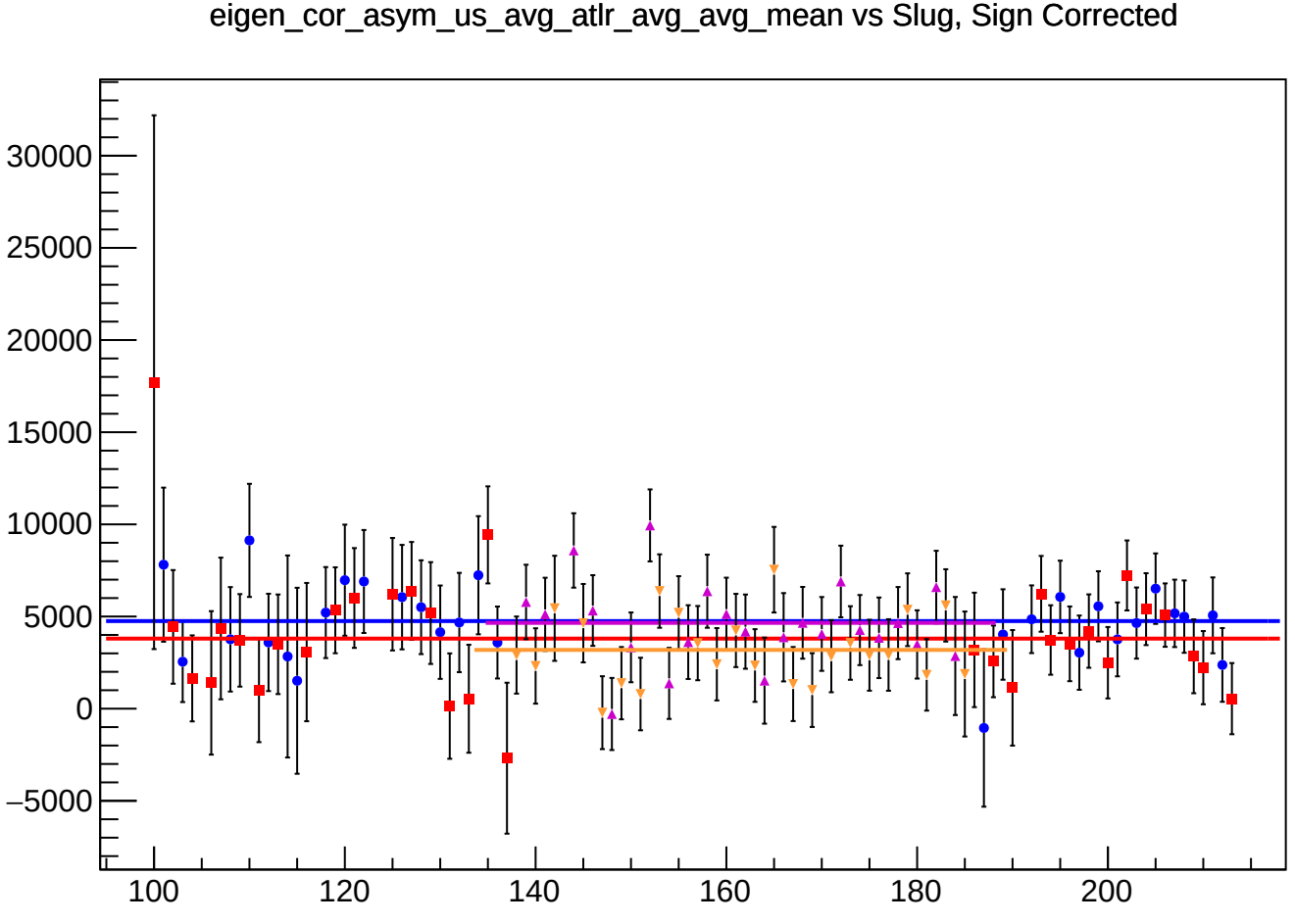
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5510.144+/-0.696 χ^2/NDF: 8534504.2/60

In: 5838.012+/-0.719 χ^2/NDF:5118359.7/51

Out: 5835.698+/-0.713 χ^2/NDF:6190809.4/55

All: 5836.844+/-0.506 χ^2/NDF: 11309174.3/1



Right In: 4753.239+/-439.294 χ^2/NDF: 12.8/28

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

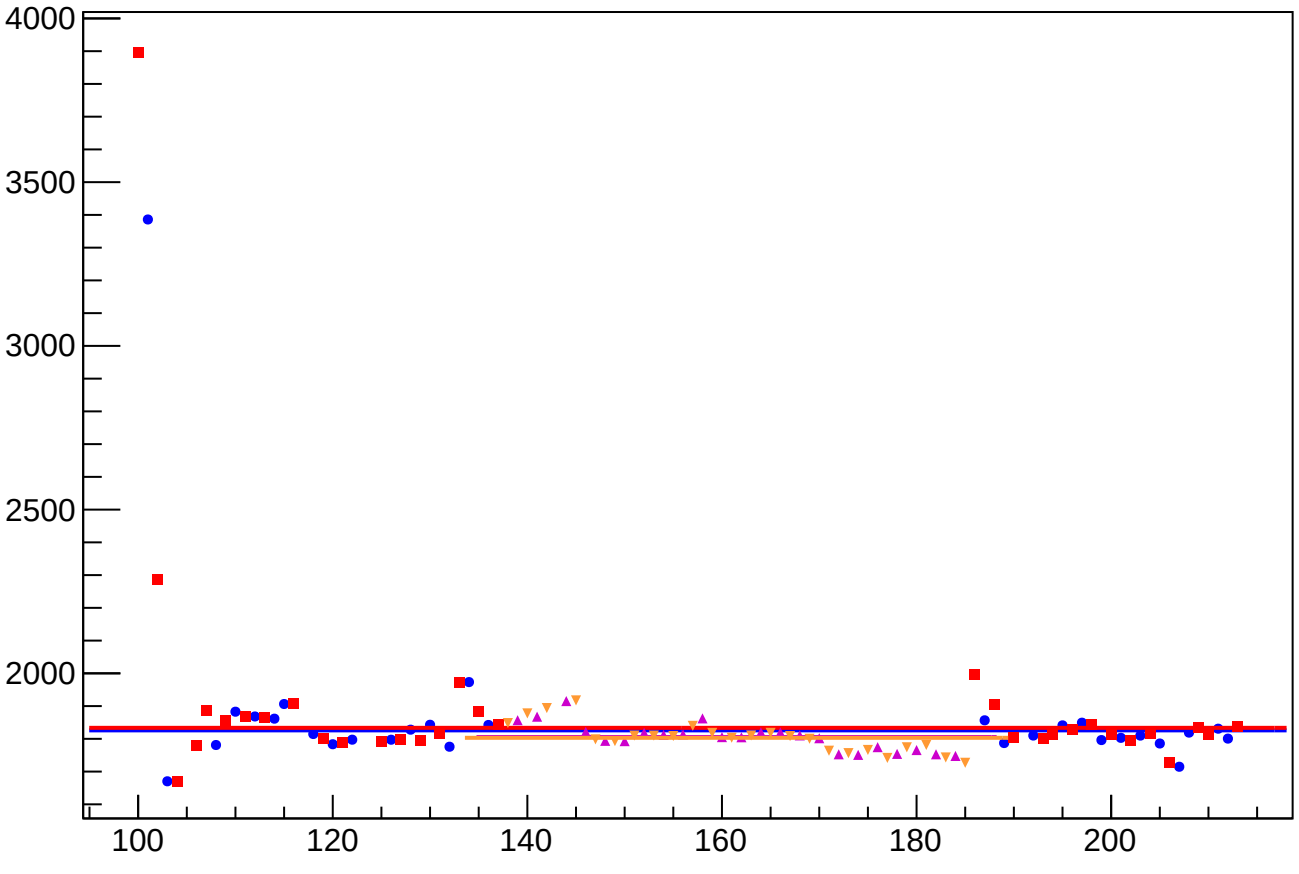
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4264.384+/-306.469 χ^2/NDF: 42.7/60

In: 4702.229+/-304.214 χ^2/NDF:40.5/51

Out: 3487.330+/-299.188 χ^2/NDF:48.4/55

All: 4084.661+/-213.312 χ^2/NDF: 97.0/107



Right In: 1825.845+/-0.311 χ^2/NDF: 307614.2/28

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

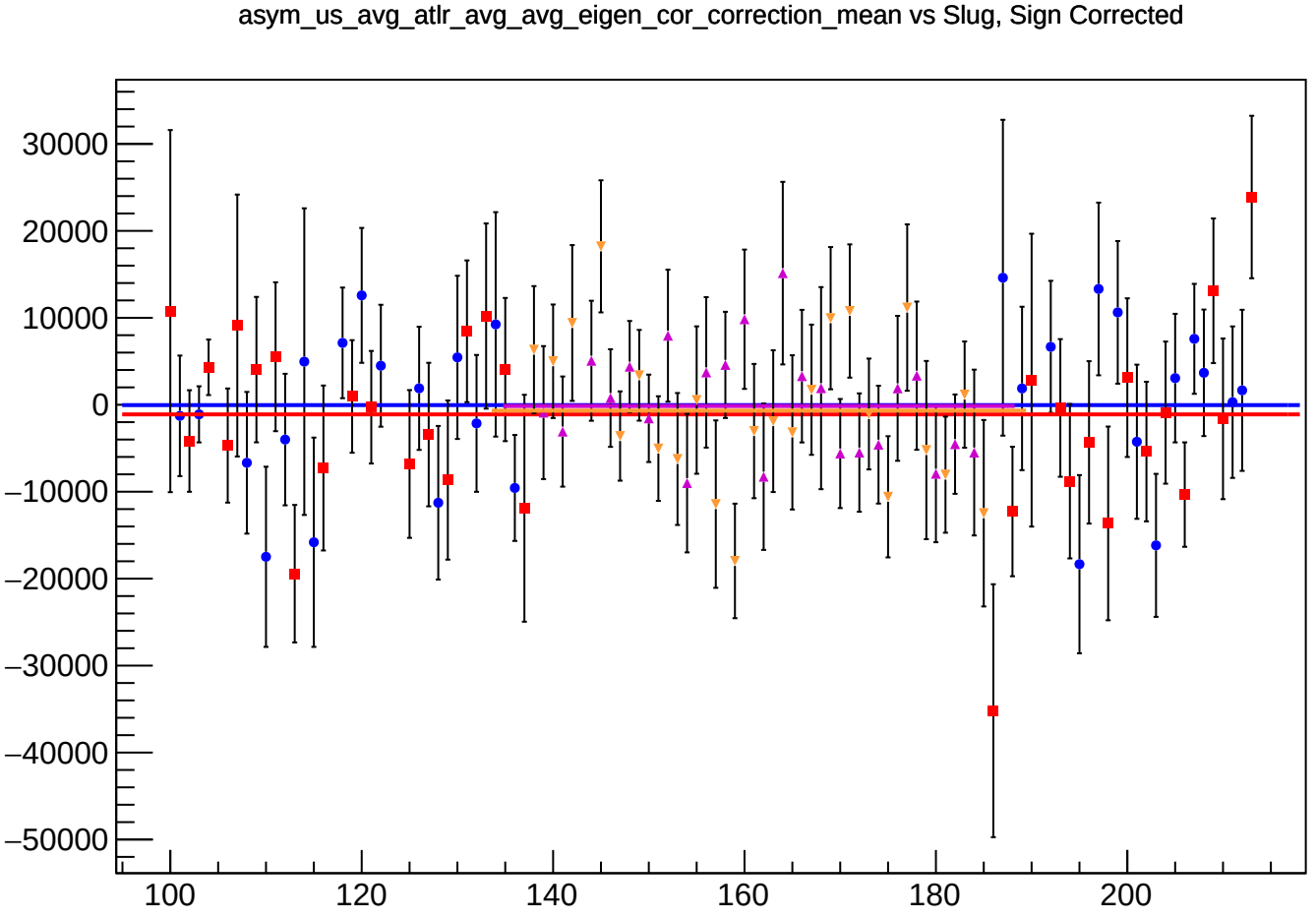
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1829.825+/-0.217 χ^2/NDF: 429186.5/60

In: 1815.287+/-0.215 χ^2/NDF:329148.7/51

Out: 1818.039+/-0.211 χ^2/NDF:147084.9/55

All: 1816.687+/-0.151 χ^2/NDF: 476316.9/107



Right In: -38.426+/-1408.022 χ^2/NDF: 29.3/28

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

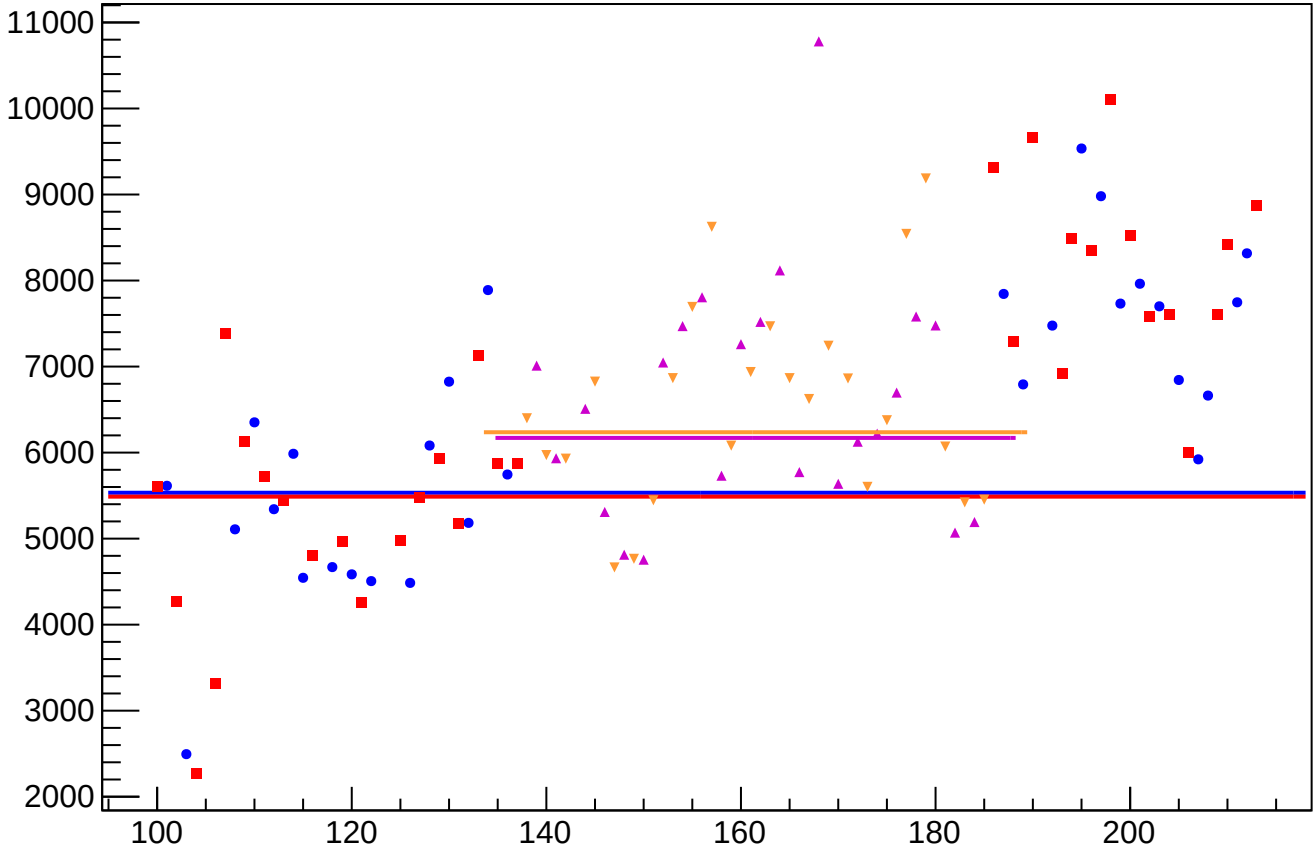
Right: -584.204+/-984.500 χ^2/NDF: 68.3/60

In: -88.590+/-1017.280 χ^2/NDF:42.8/51

Out: -902.368+/-1007.786 χ^2/NDF:68.6/55

All: -499.294+/-715.945 χ^2/NDF: 111.8/107

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5533.273+/-0.996 χ^2/NDF: 3684807.3/28

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

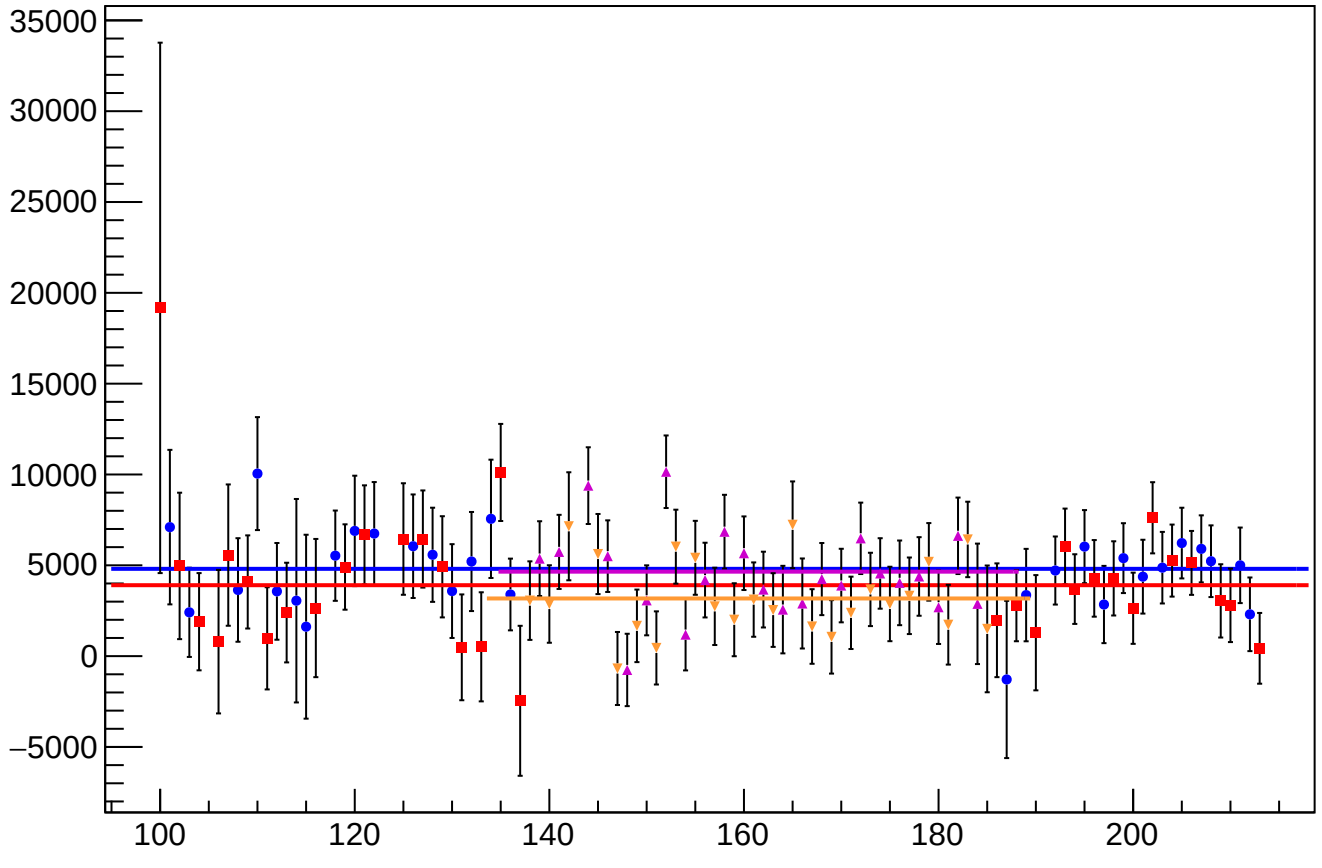
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5510.144+/-0.696 χ^2/NDF: 8534504.2/60

In: 5838.012+/-0.719 χ^2/NDF:5118359.7/51

Out: 5835.698+/-0.713 χ^2/NDF:6190809.4/55

All: 5836.844+/-0.506 χ^2/NDF: 11309174.3/1



Right In: 4805.794+/-448.044 χ^2/NDF: 13.9/28

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

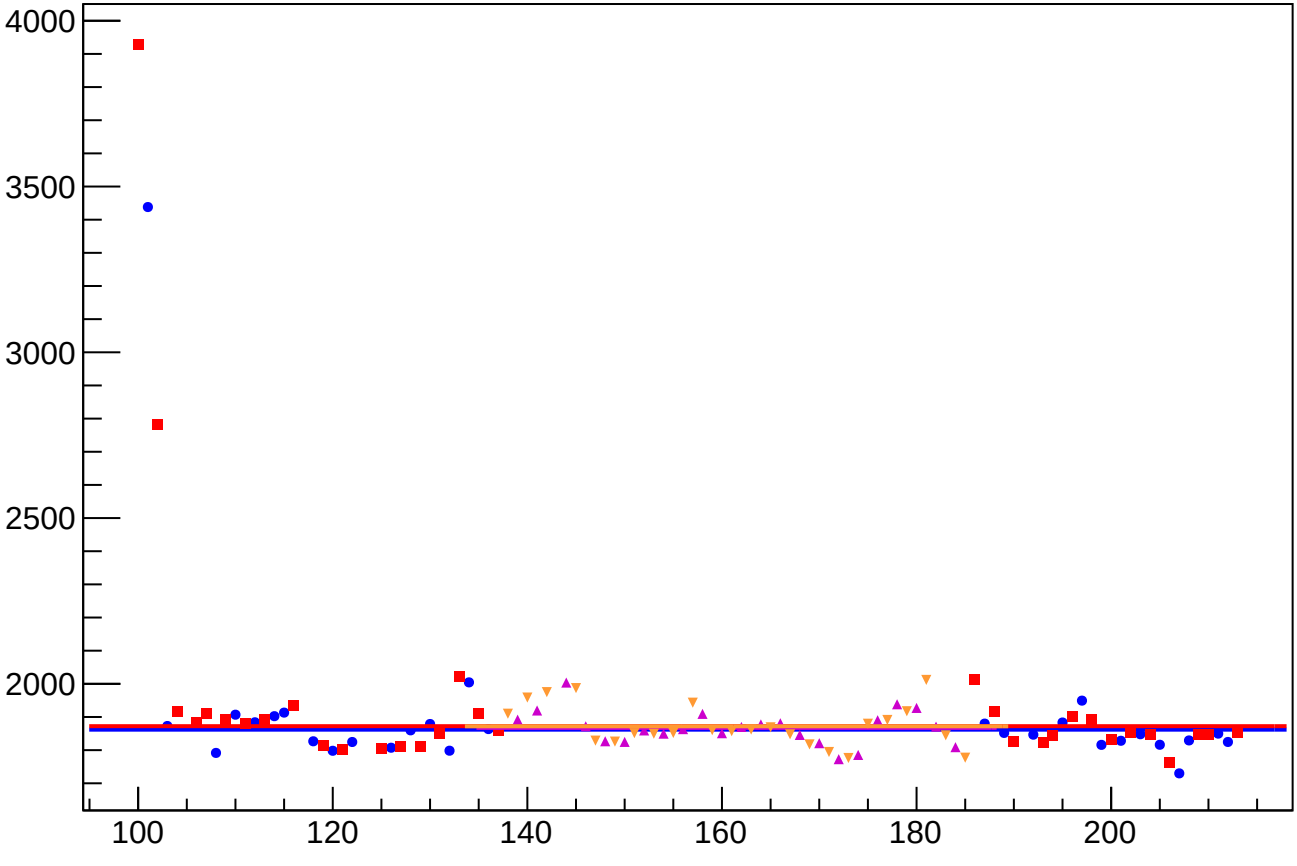
Right: 4345.080+/-313.155 χ^2/NDF: 44.5/60

In: 4726.047+/-312.543 χ^2/NDF:44.5/51

Out: 3537.249+/-308.534 χ^2/NDF:51.5/55

All: 4123.976+/-219.570 χ^2/NDF: 103.3/107

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1861.788+/-0.317 χ^2/NDF: 302393.7/28

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

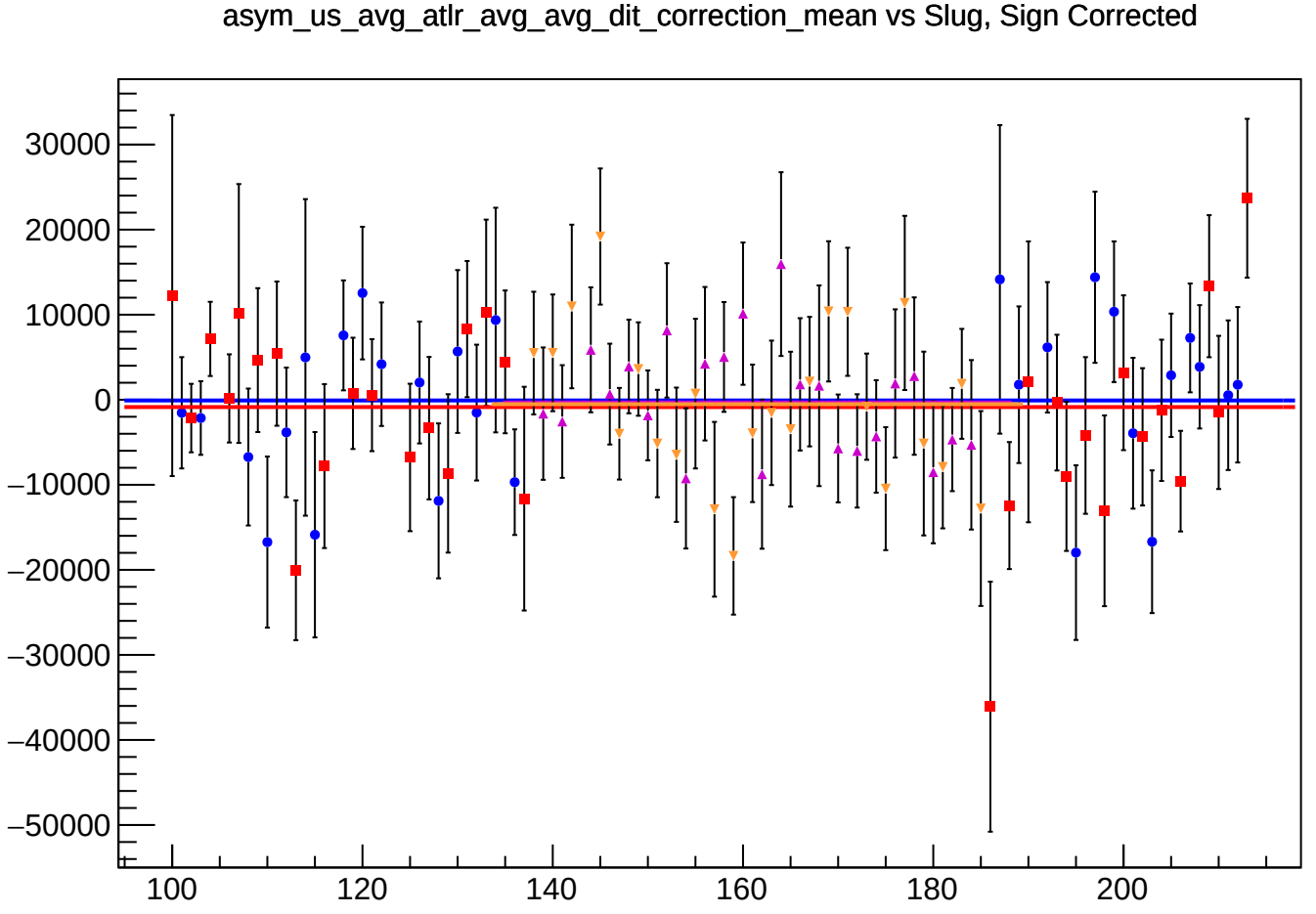
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1867.159+/-0.221 χ^2/NDF: 474391.4/60

In: 1864.504+/-0.221 χ^2/NDF:329783.6/51

Out: 1872.131+/-0.218 χ^2/NDF:208591.3/55

All: 1868.368+/-0.155 χ^2/NDF: 538978.2/107



Right In: -85.132+/-1477.183 χ^2/NDF: 29.1/28

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

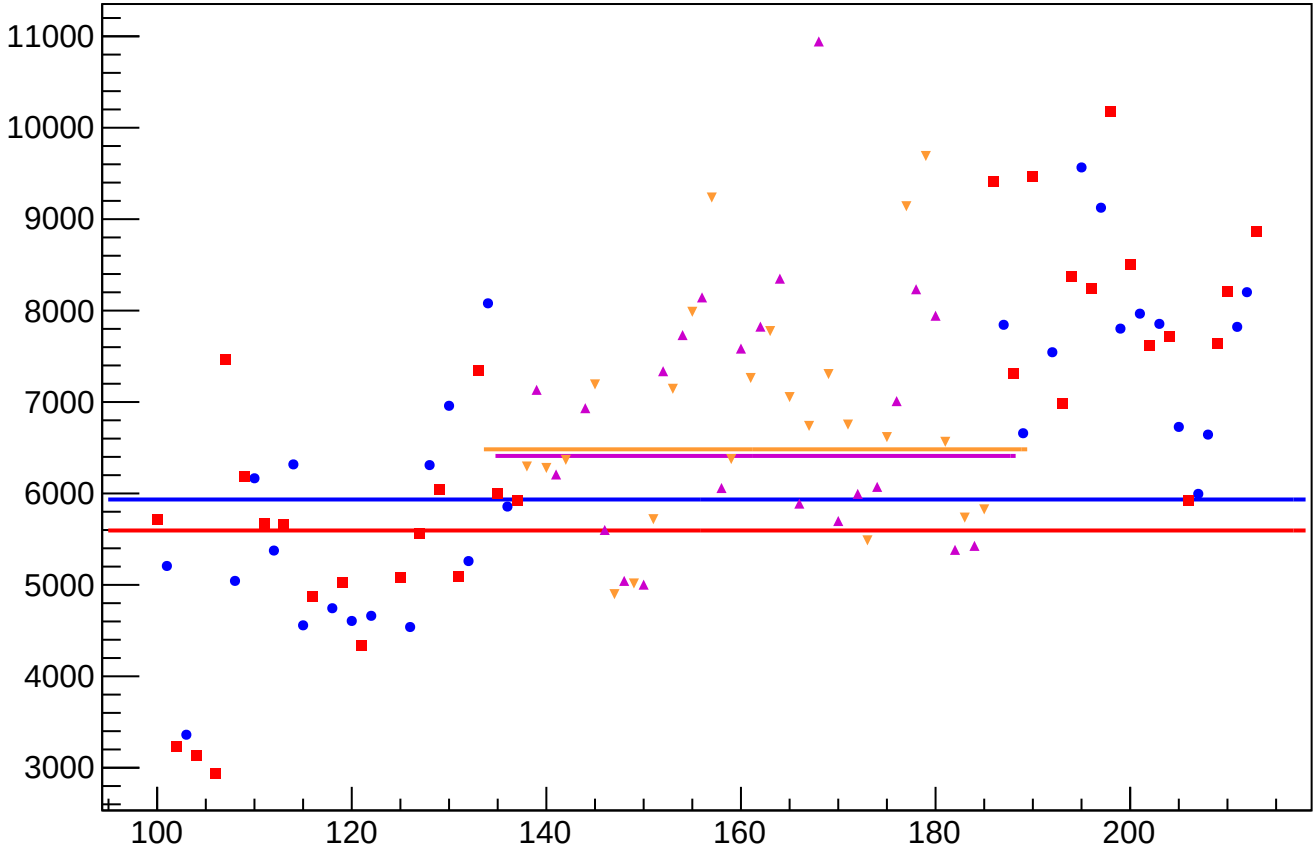
Right: -499.373+/-1008.852 χ^2/NDF: 68.1/60

In: -200.830+/-1062.035 χ^2/NDF:42.5/51

Out: -709.028+/-1027.239 χ^2/NDF:68.1/55

All: -463.390+/-738.363 χ^2/NDF: 110.7/107

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5933.953+/-1.045 χ^2/NDF: 2295617.0/28

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

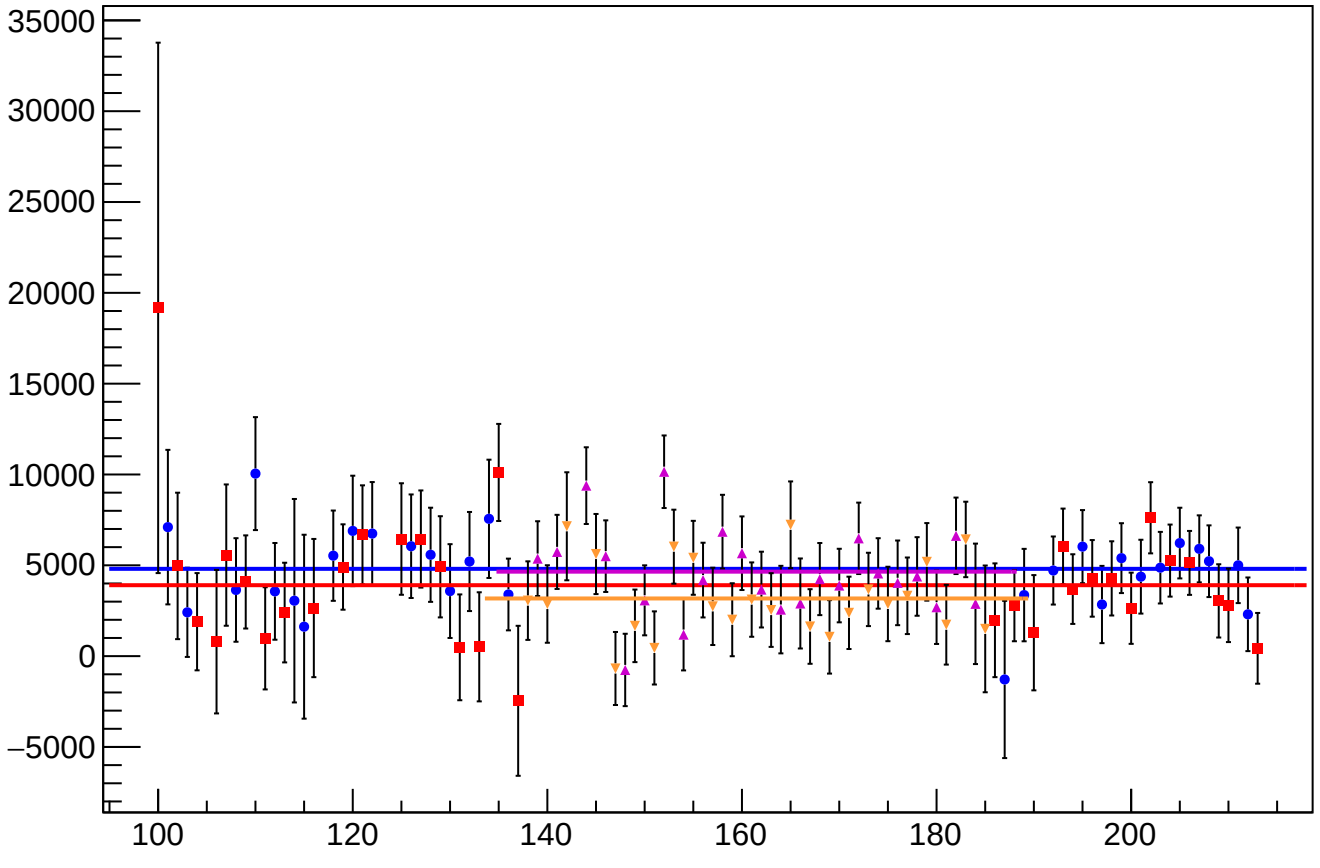
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5753.081+/-0.713 χ^2/NDF: 6533478.2/60

In: 6164.132+/-0.751 χ^2/NDF:3615968.7/51

Out: 5991.624+/-0.726 χ^2/NDF:5625461.3/55

All: 6075.005+/-0.522 χ^2/NDF: 9268692.8/10



Right In: 4805.791+/-448.044 χ^2/NDF: 13.9/28

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

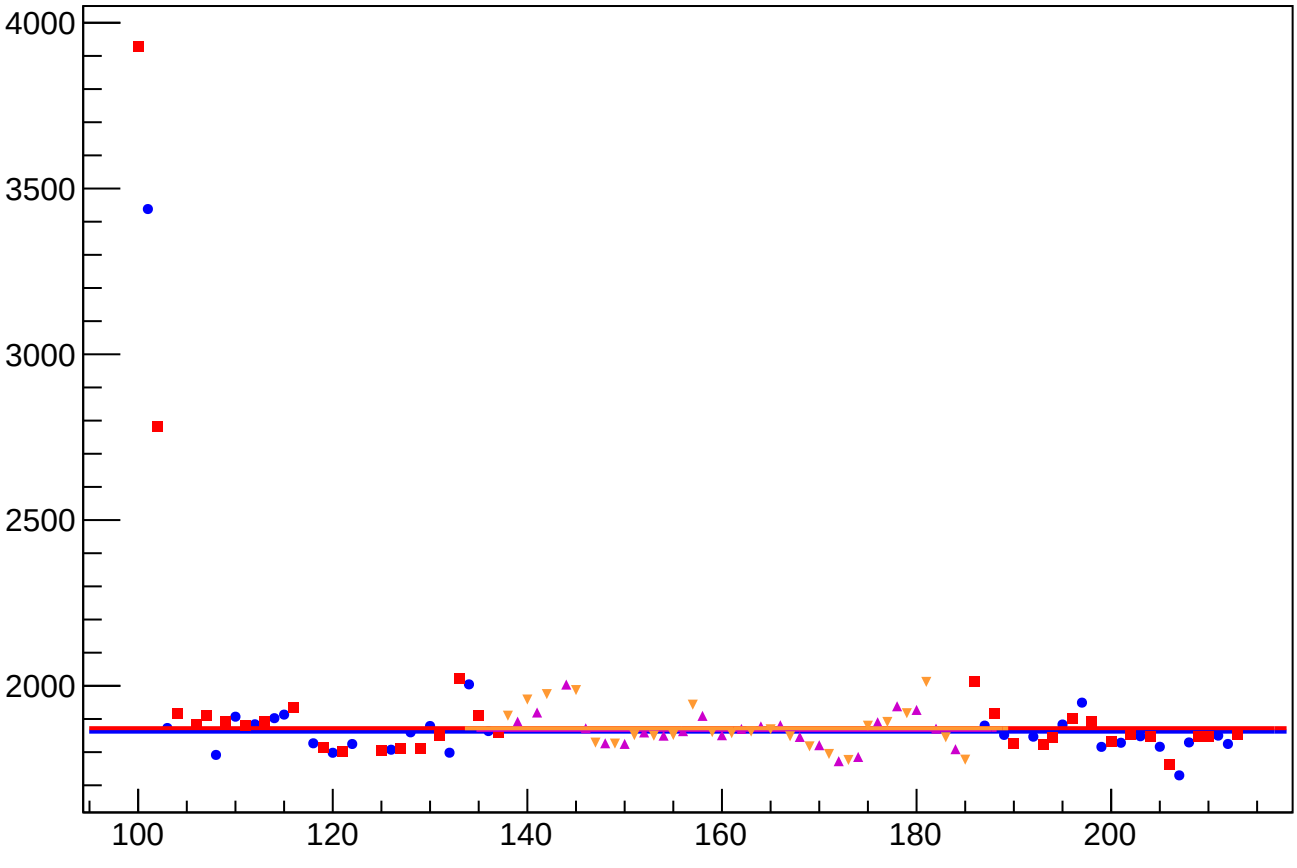
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4345.077+/-313.155 χ^2/NDF: 44.5/60

In: 4726.046+/-312.543 χ^2/NDF:44.5/51

Out: 3537.244+/-308.534 χ^2/NDF:51.5/55

All: 4123.973+/-219.570 χ^2/NDF: 103.3/107



Right In: 1861.788+/-0.317 χ^2/NDF: 302393.8/28

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

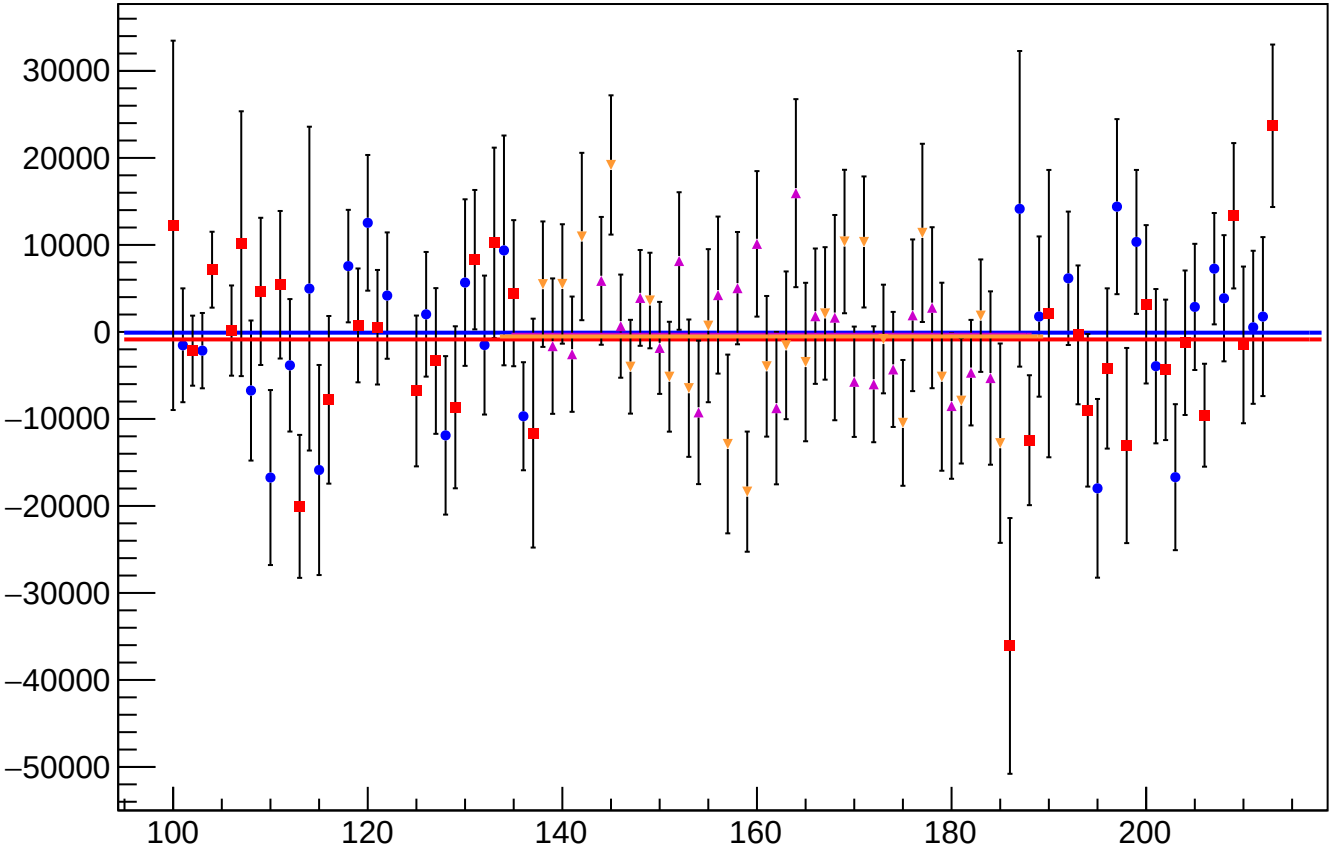
Right: 1867.159+/-0.221 χ^2/NDF: 474390.6/60

In: 1864.505+/-0.221 χ^2/NDF:329784.9/51

Out: 1872.132+/-0.218 χ^2/NDF:208591.4/55

All: 1868.368+/-0.155 χ^2/NDF: 538979.7/107

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.130+/-1477.182 χ^2/NDF: 29.1/28

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -861.483+/-1381.119 χ^2/NDF: 38.9/31

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

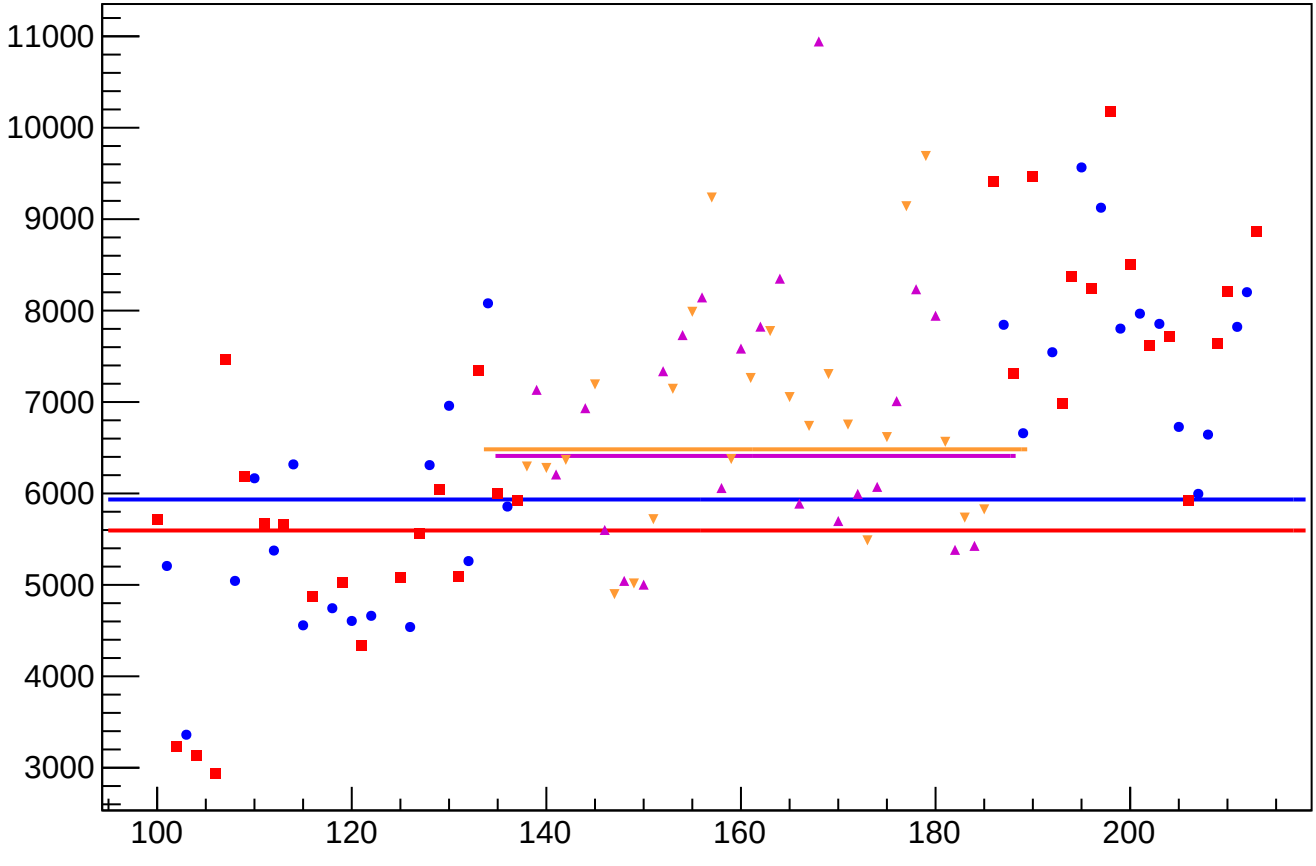
Right: -499.369+/-1008.851 χ^2/NDF: 68.1/60

In: -200.830+/-1062.036 χ^2/NDF:42.5/51

Out: -709.028+/-1027.239 χ^2/NDF:68.1/55

All: -463.390+/-738.363 χ^2/NDF: 110.7/107

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5933.946+/-1.045 χ^2/NDF: 2295648.5/28

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

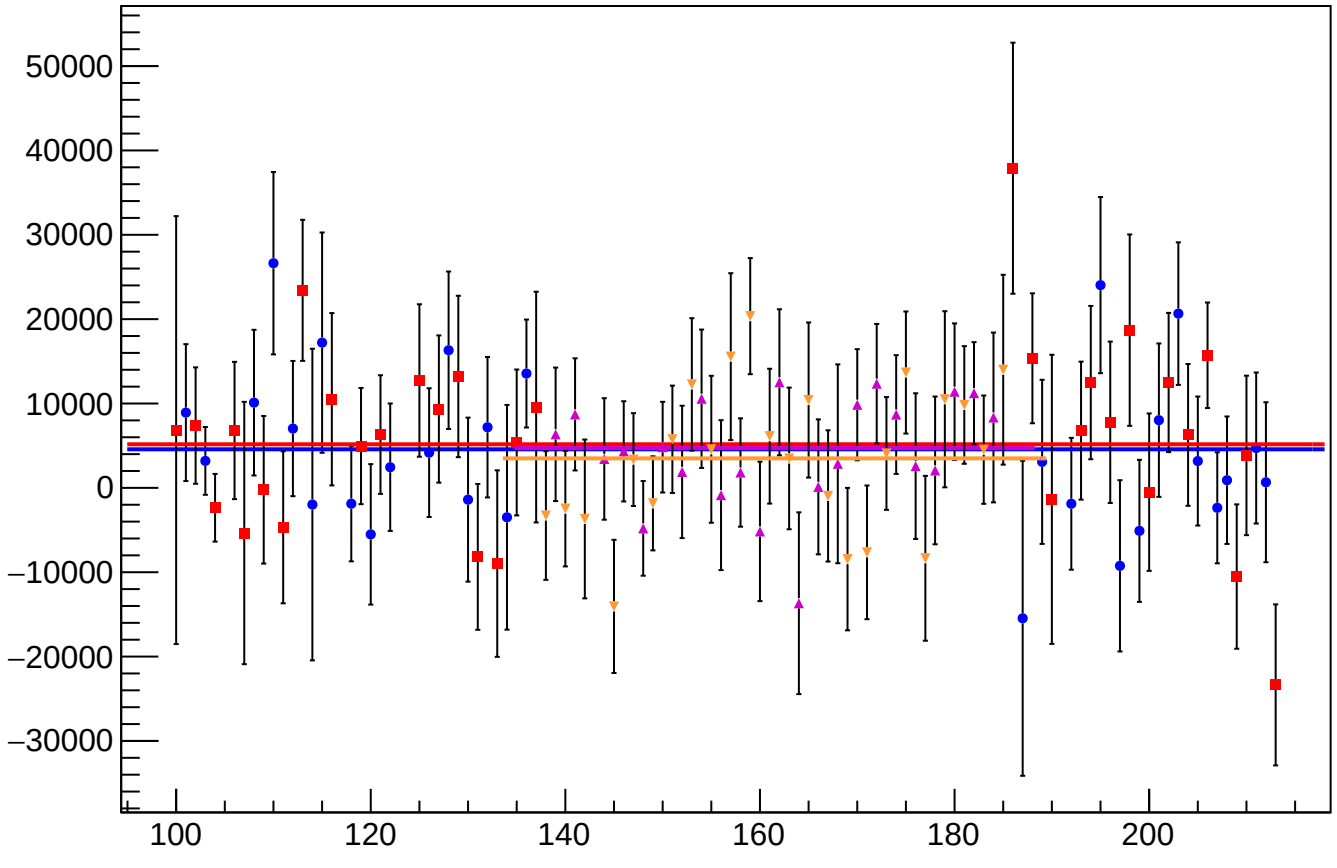
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5753.072+/-0.713 χ^2/NDF: 6533544.0/60

In: 6164.133+/-0.751 χ^2/NDF:3616010.4/51

Out: 5991.622+/-0.726 χ^2/NDF:5625513.6/55

All: 6075.005+/-0.522 χ^2/NDF: 9268787.4/10



Right In: 4571.952+/-1523.704 χ^2/NDF: 26.8/28

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

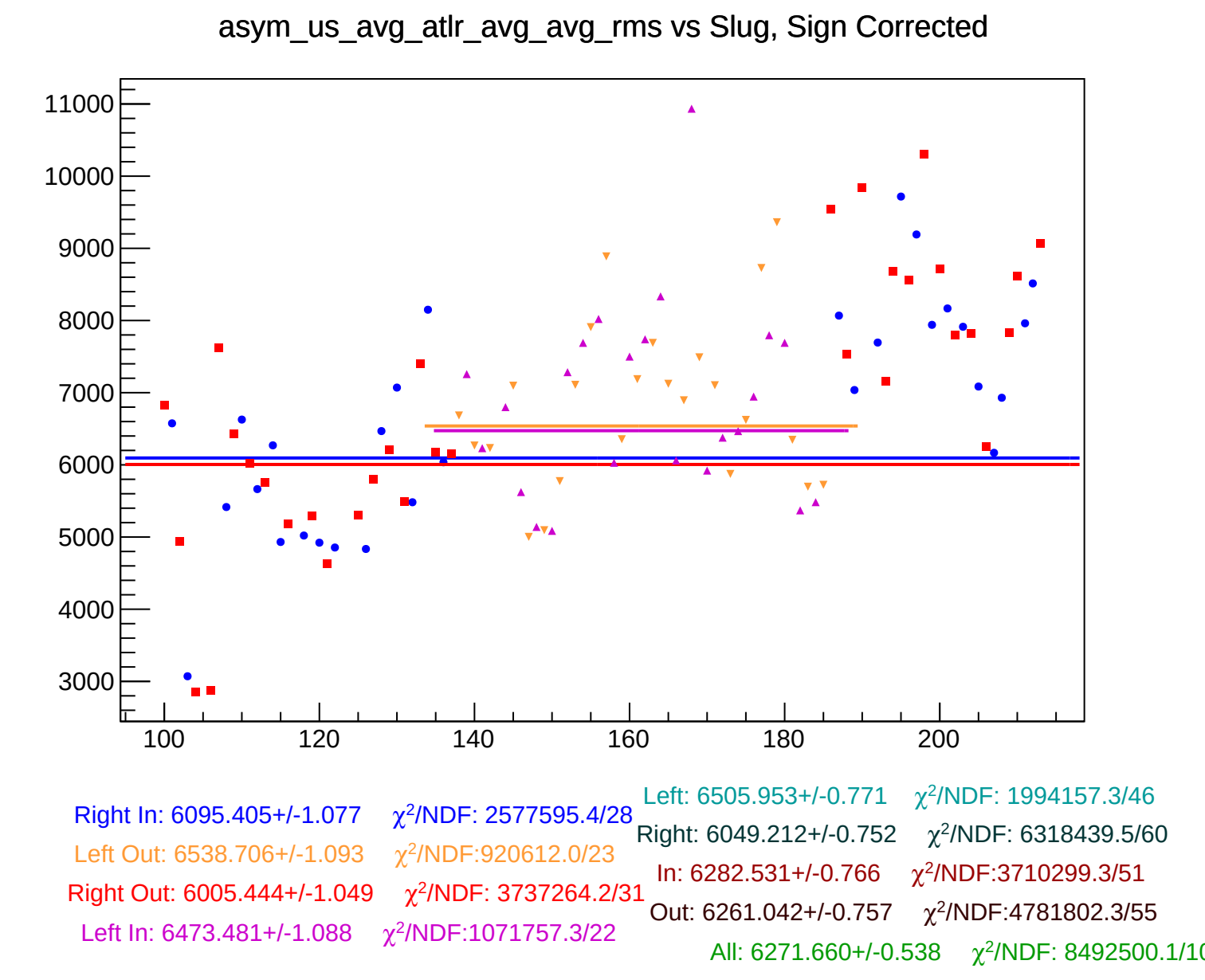
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

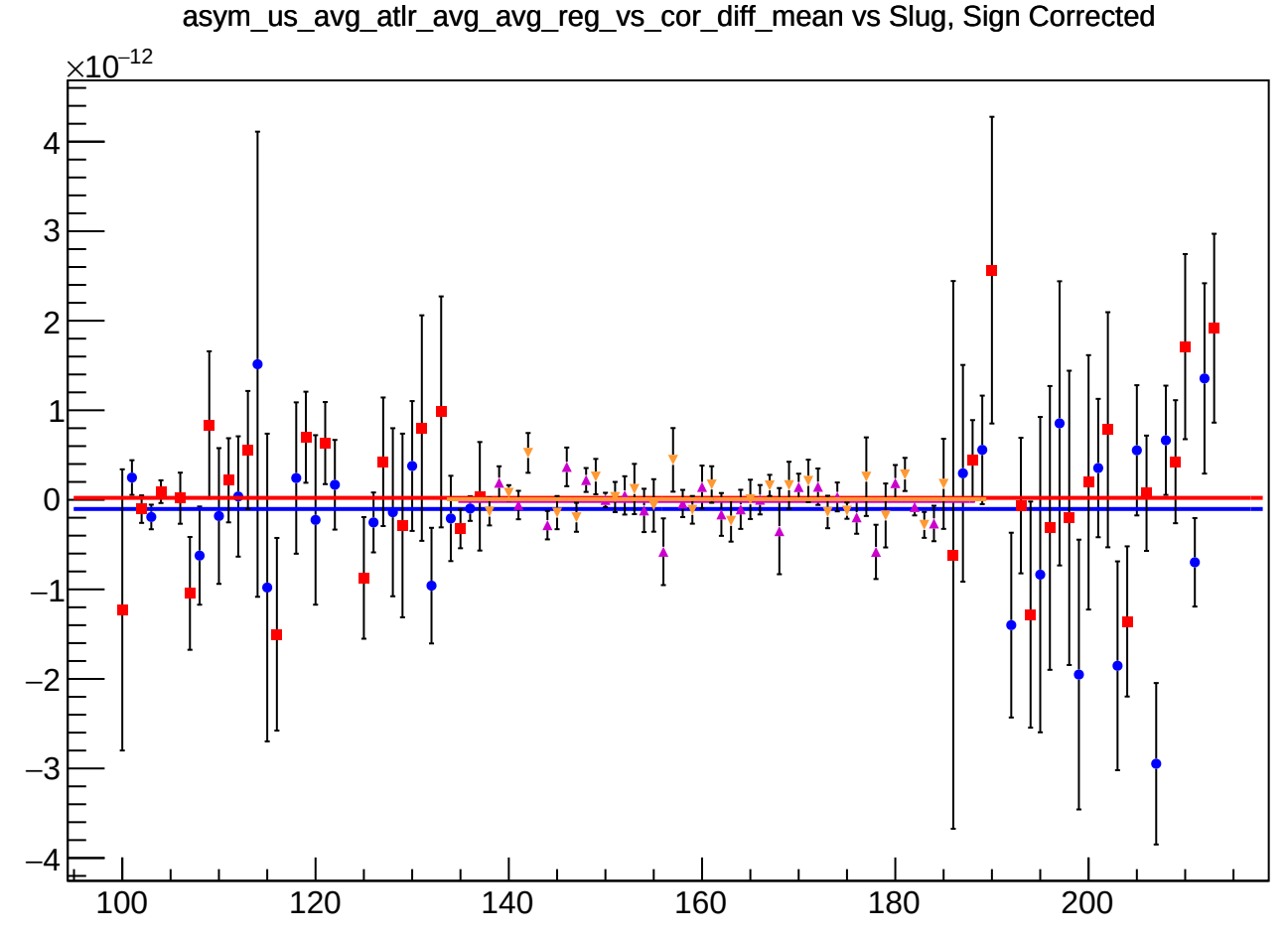
Right: 4873.134+/-1069.612 χ^2/NDF: 68.6/60

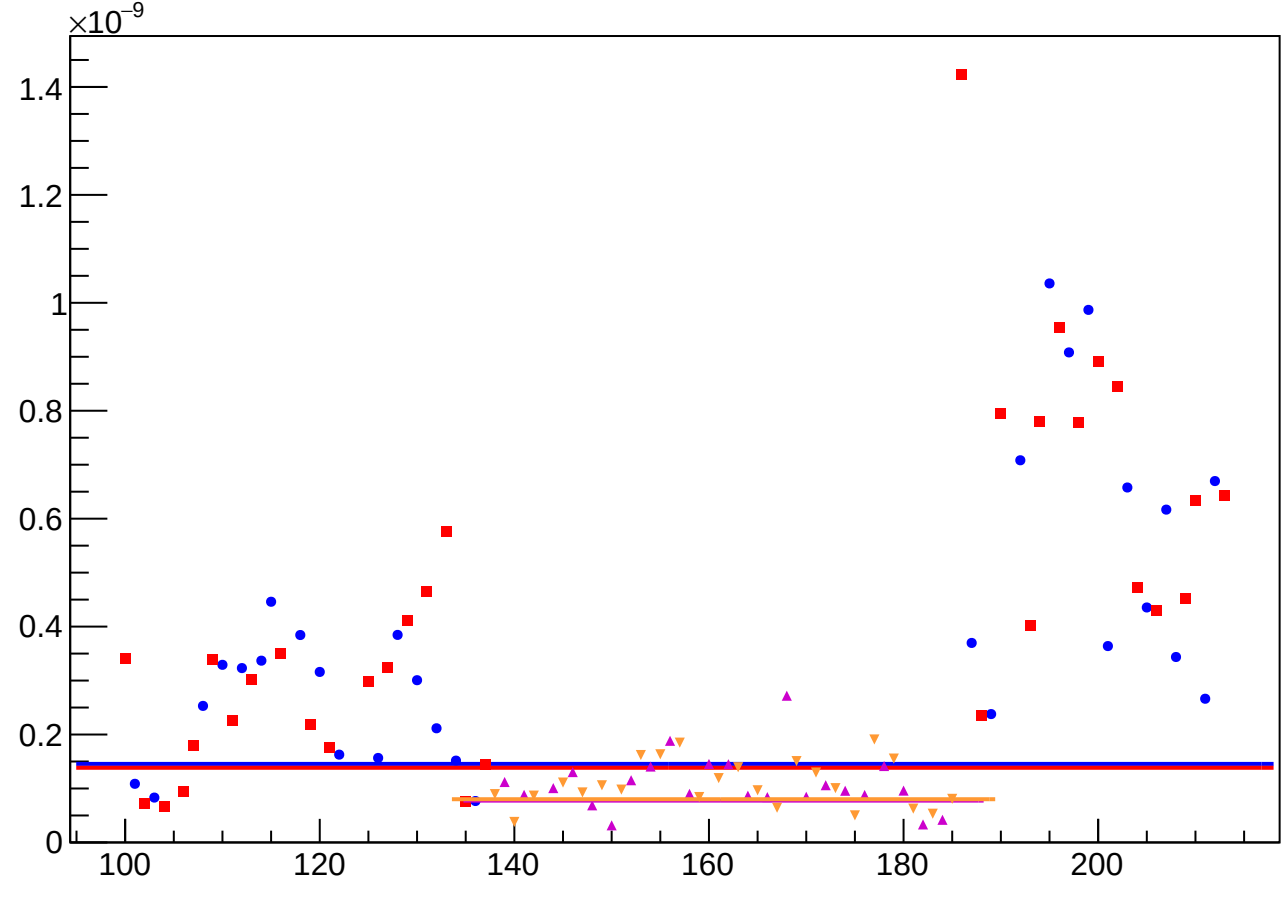
In: 4644.998+/-1082.850 χ^2/NDF:41.1/51

Out: 4355.528+/-1077.185 χ^2/NDF:69.8/55

All: 4499.504+/-763.680 χ^2/NDF: 110.9/107


asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
Right In: 6095.405+/-1.077 χ²/NDF: 2577595.4/28
Left Out: 6538.706+/-1.093 χ²/NDF:920612.0/23
Right Out: 6005.444+/-1.049 χ²/NDF: 3737264.2/31
Left In: 6473.481+/-1.088 χ²/NDF:1071757.3/22
Left: 6505.953+/-0.771 χ²/NDF: 1994157.3/46
Right: 6049.212+/-0.752 χ²/NDF: 6318439.5/60
In: 6282.531+/-0.766 χ²/NDF:3710299.3/51
Out: 6261.042+/-0.757 χ²/NDF:4781802.3/55
All: 6271.660+/-0.538 χ²/NDF: 8492500.1/10


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: 31.4/28
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: 63.9/60
In: -0.000+/-0.000 χ²/NDF:56.6/51
Out: 0.000+/-0.000 χ²/NDF:58.2/55
All: -0.000+/-0.000 χ²/NDF: 115.6/107



Right In: 0.000+/-0.000 χ^2/NDF: 6392272.6/28

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8022412.0/31

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

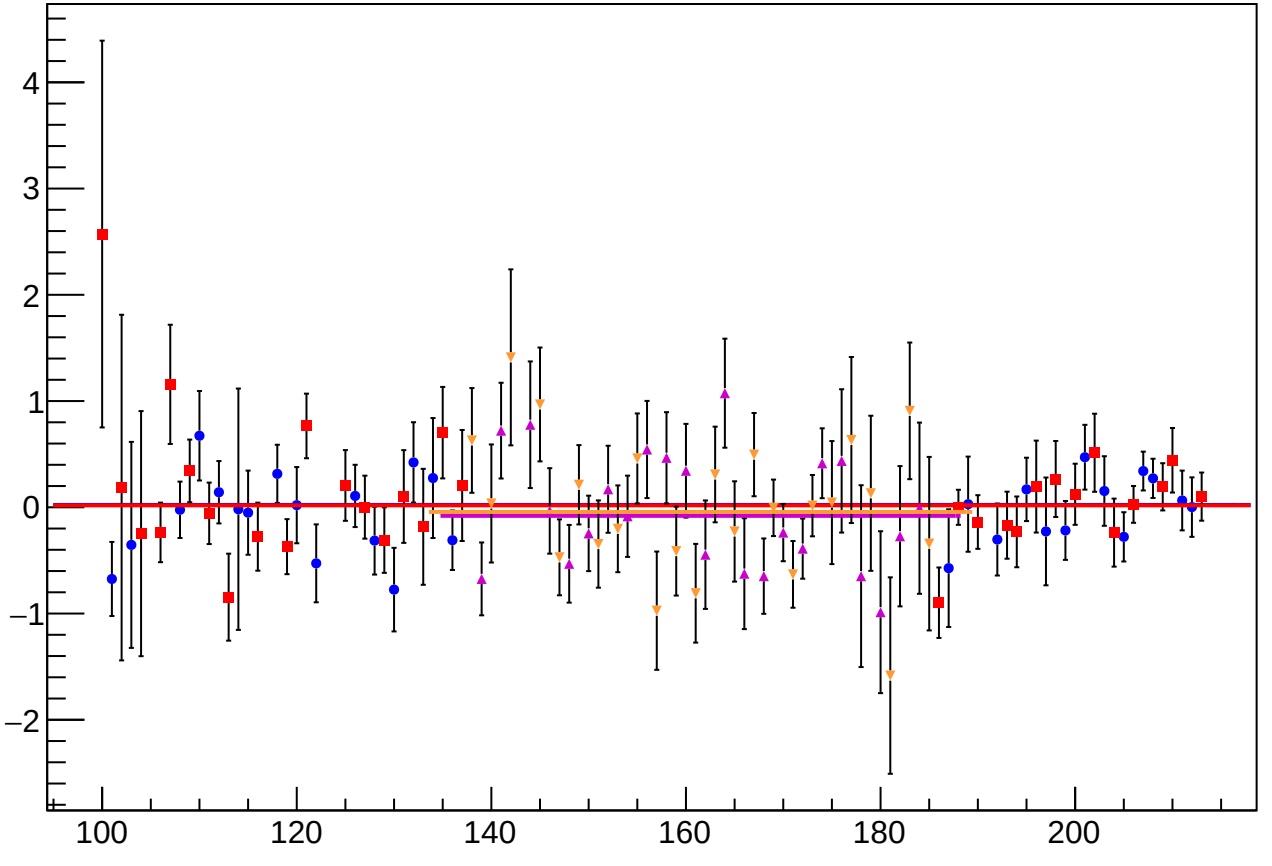
Right: 0.000+/-0.000 χ^2/NDF: 14424181.7/60

In: 0.000+/-0.000 χ^2/NDF:10431969.3/51

Out: 0.000+/-0.000 χ^2/NDF:11201144.0/55

All: 0.000+/-0.000 χ^2/NDF: 21634573.8/107

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.058 χ^2/NDF: 30.4/28

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

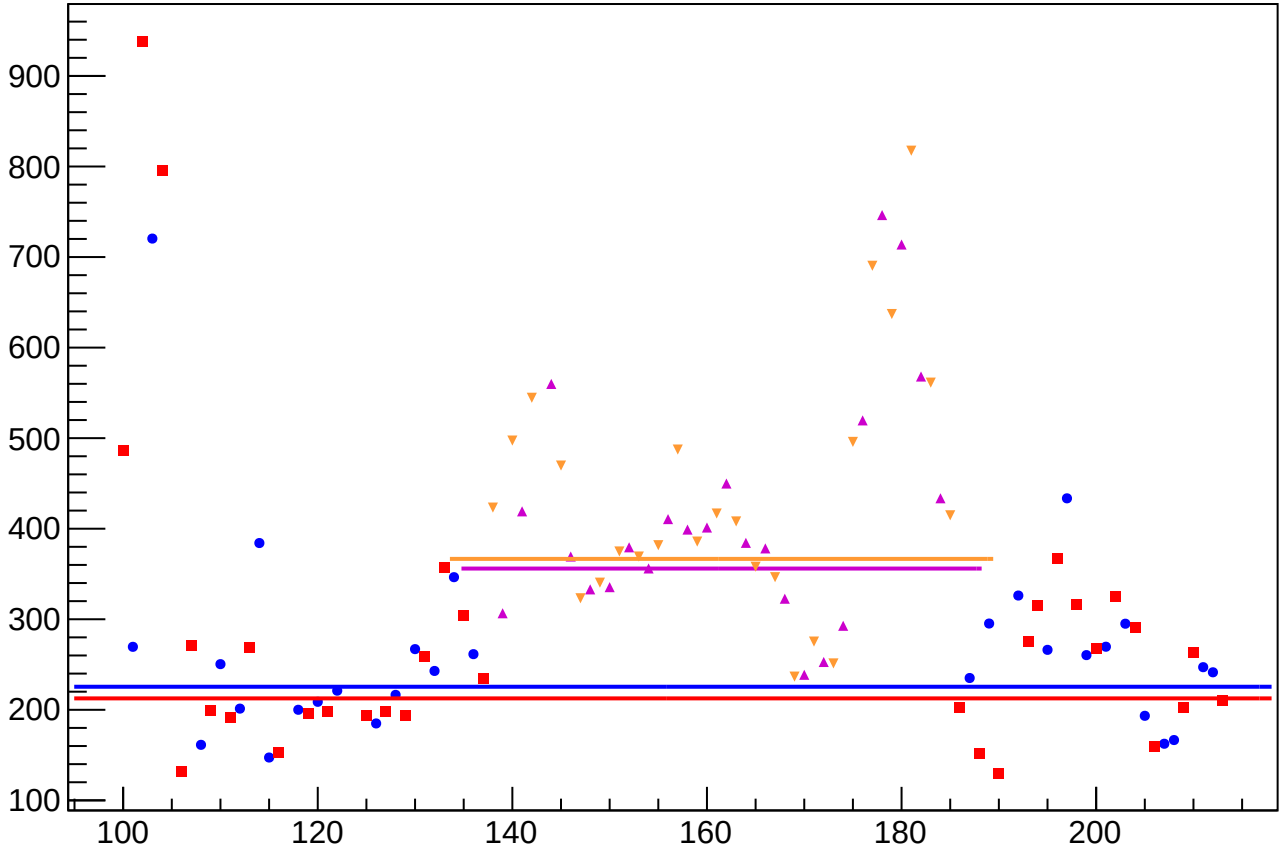
Right: 0.020+/-0.040 χ^2/NDF: 71.4/60

In: -0.009+/-0.048 χ^2/NDF:61.7/51

Out: 0.002+/-0.047 χ^2/NDF:72.3/55

All: -0.003+/-0.034 χ^2/NDF: 134.0/107

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 225.468+/-0.041 χ^2/NDF: 2282485.3/28

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

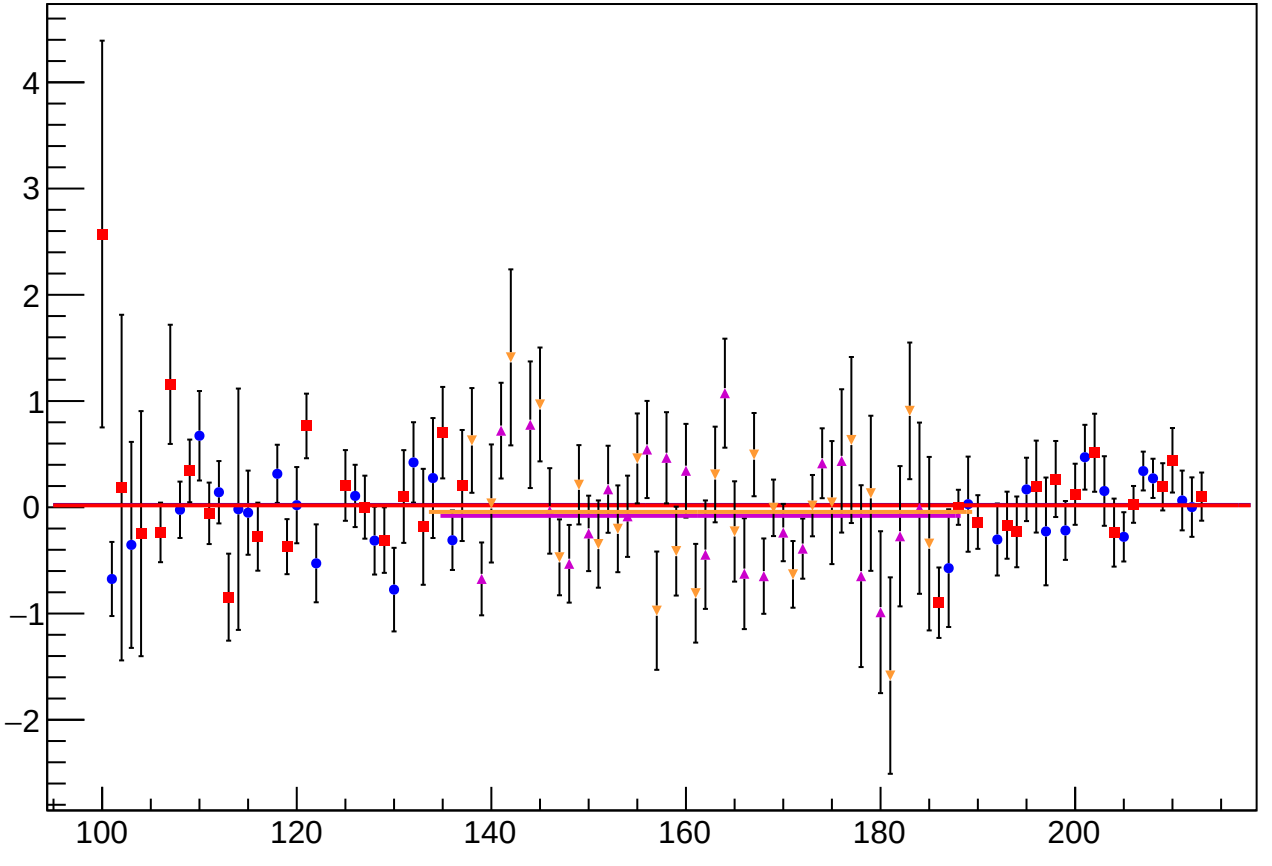
Right: 218.612+/-0.028 χ^2/NDF: 5697941.4/60

In: 265.283+/-0.034 χ^2/NDF:7777144.9/51

Out: 253.551+/-0.033 χ^2/NDF:10464156.0/55

All: 259.190+/-0.024 χ^2/NDF: 18302146.0/10

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.058 χ^2/NDF: 30.4/28

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

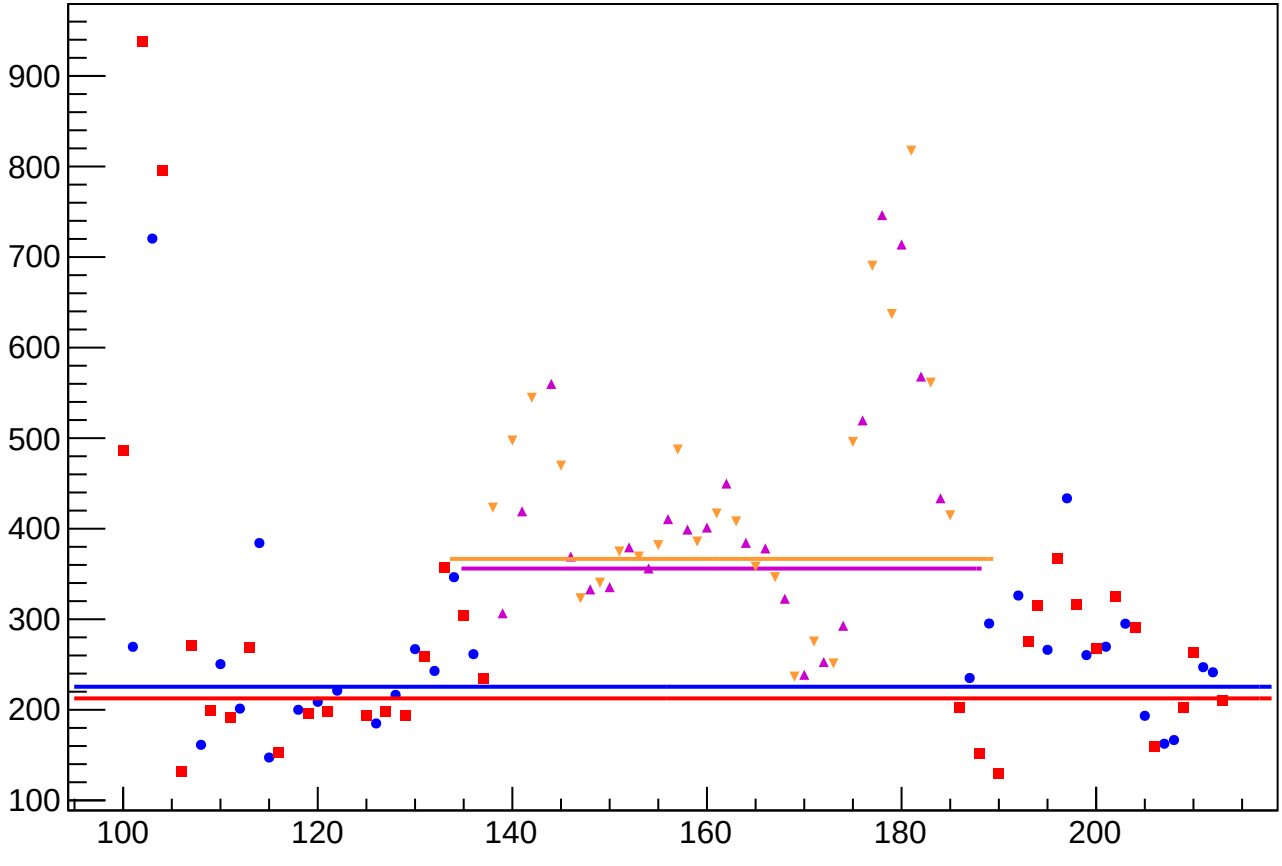
Right: 0.020+/-0.040 χ^2/NDF: 71.4/60

In: -0.009+/-0.048 χ^2/NDF:61.7/51

Out: 0.002+/-0.047 χ^2/NDF:72.3/55

All: -0.003+/-0.034 χ^2/NDF: 134.0/107

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 225.468+/-0.041 χ^2/NDF: 2282485.3/28

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

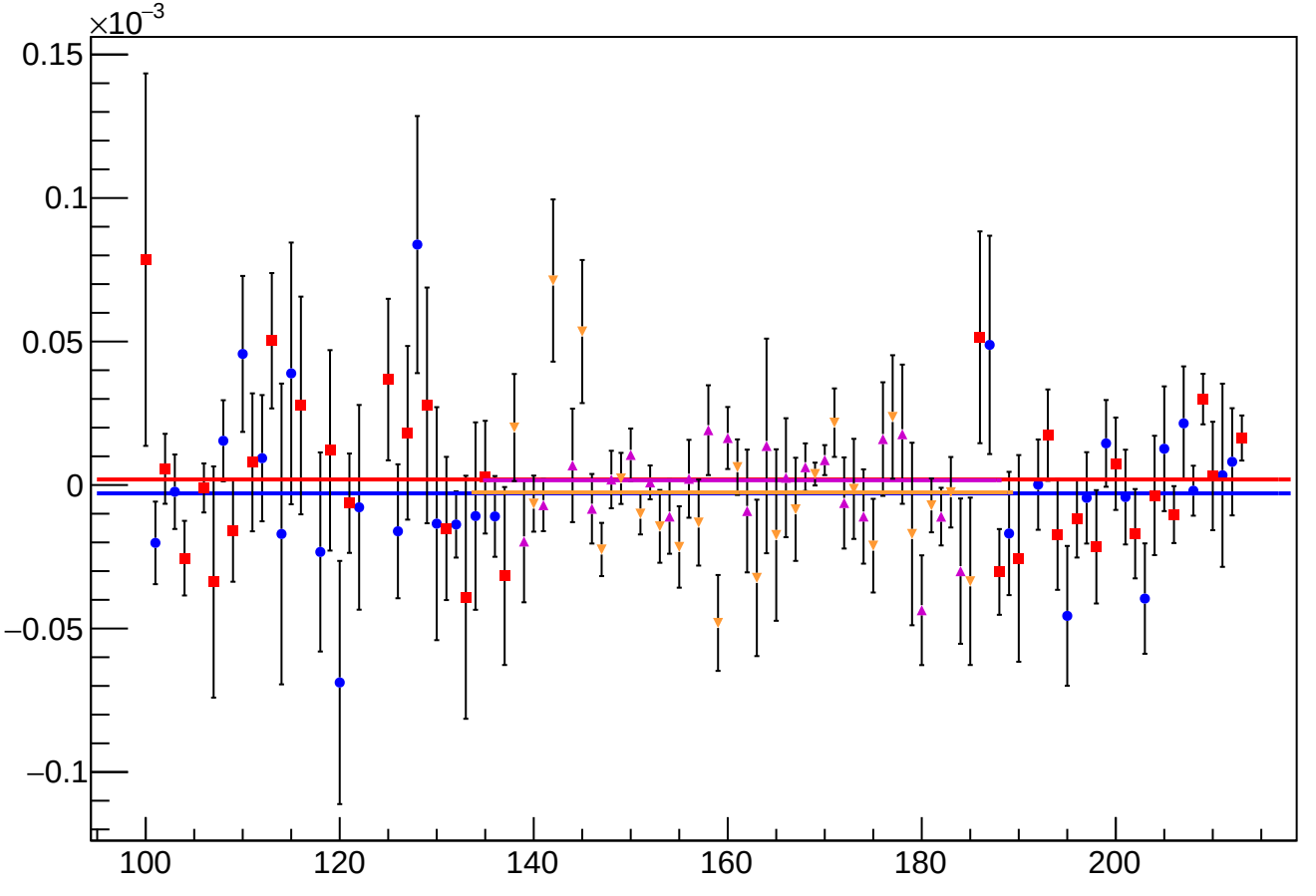
Right: 218.612+/-0.028 χ^2/NDF: 5697941.4/60

In: 265.283+/-0.034 χ^2/NDF:7777144.9/51

Out: 253.551+/-0.033 χ^2/NDF:10464156.0/55

All: 259.190+/-0.024 χ^2/NDF: 18302146.0/10

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: 28.5/28

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

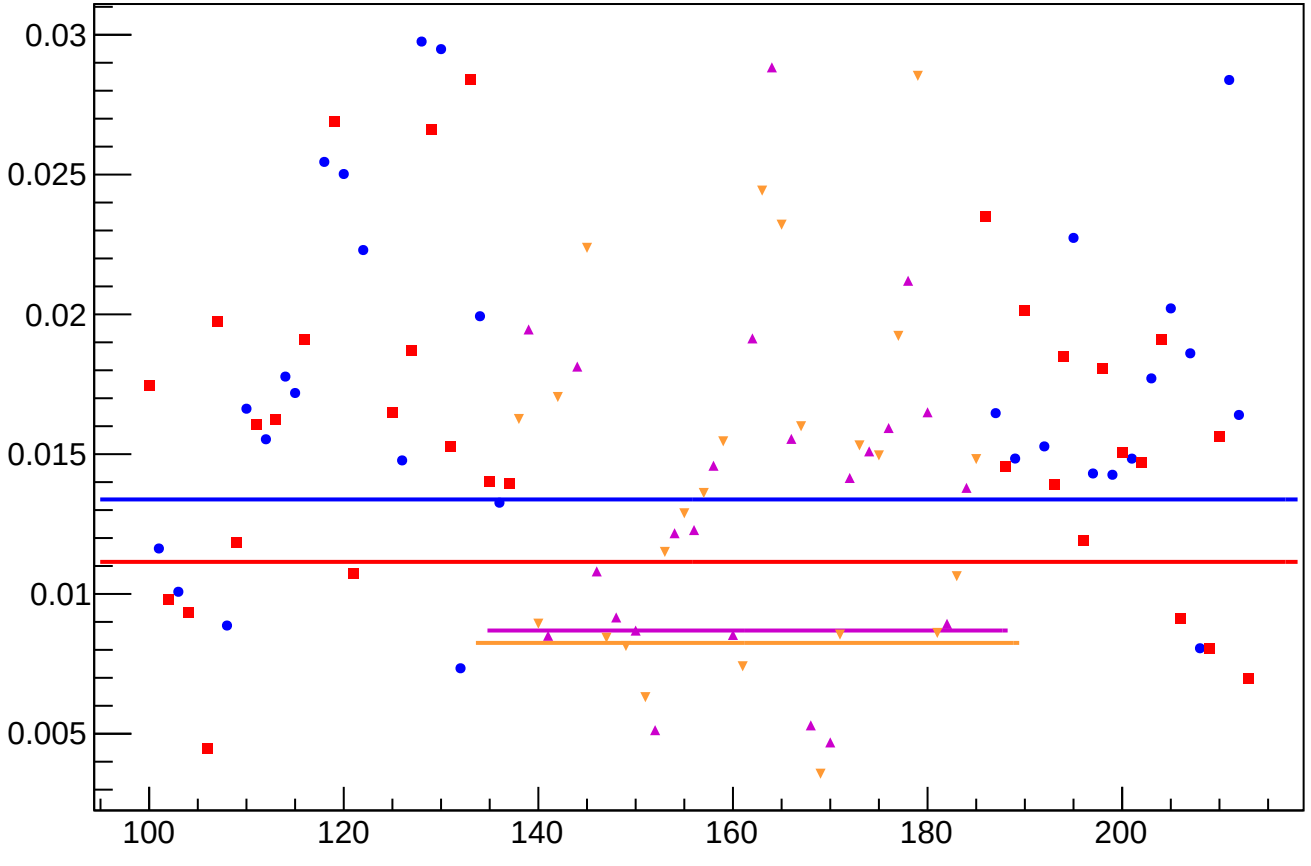
Right: -0.000+/-0.000 χ^2/NDF: 75.5/60

In: 0.000+/-0.000 χ^2/NDF:50.4/51

Out: -0.000+/-0.000 χ^2/NDF:90.8/55

All: -0.000+/-0.000 χ^2/NDF: 141.4/107

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 4231253.8/28

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

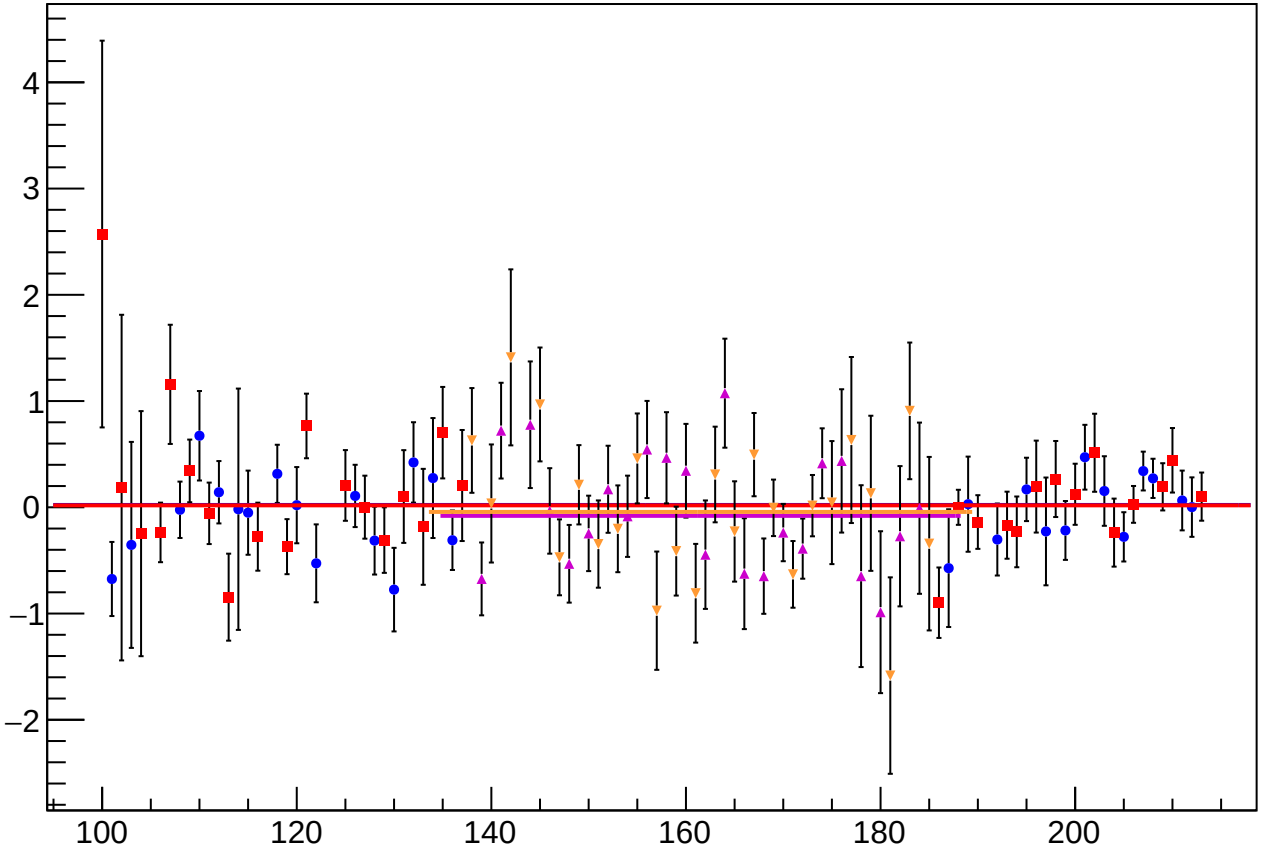
Right: 0.012+/-0.000 χ^2/NDF: 10295373.9/60

In: 0.010+/-0.000 χ^2/NDF:13620217.1/51

Out: 0.009+/-0.000 χ^2/NDF:15702025.3/55

All: 0.010+/-0.000 χ^2/NDF: 29514541.5/107

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.058 χ^2/NDF: 30.4/28

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

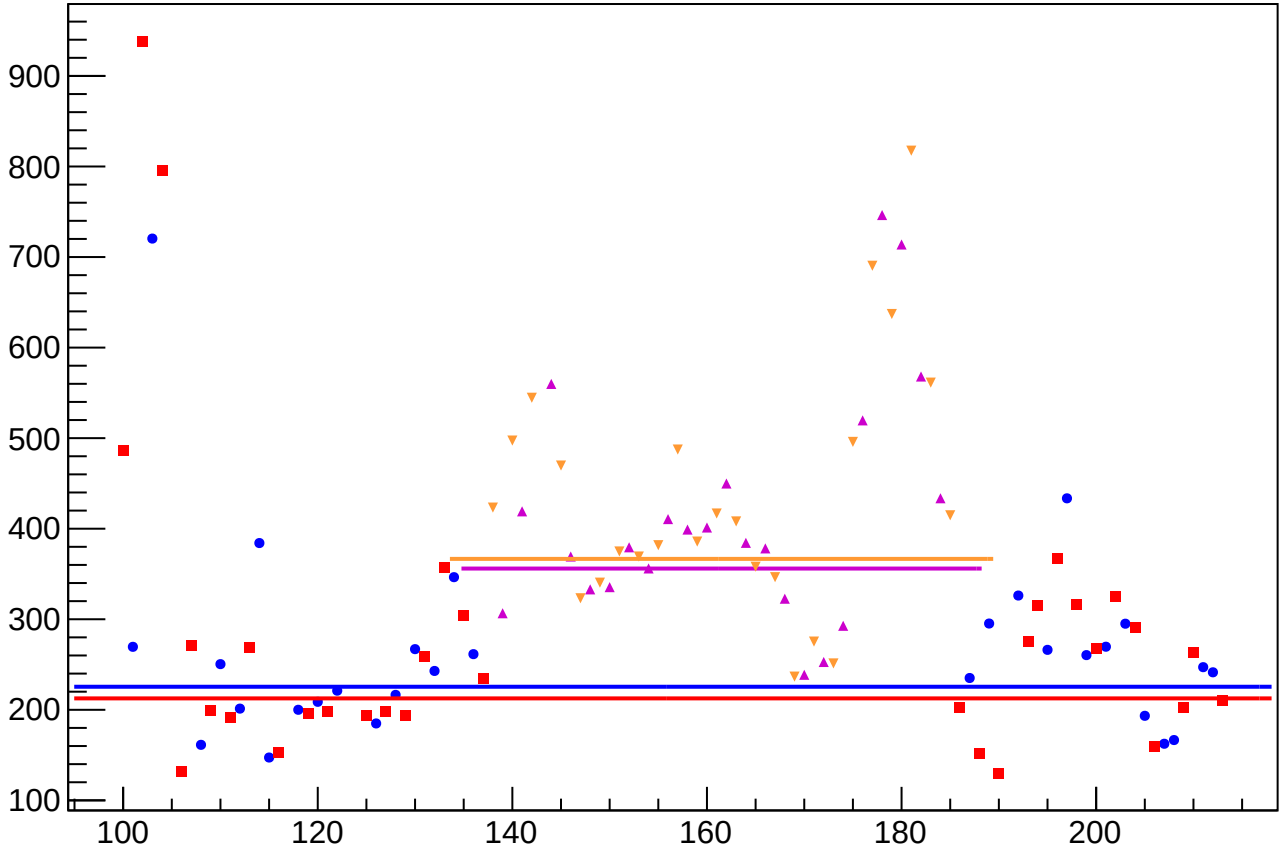
Right: 0.020+/-0.040 χ^2/NDF: 71.4/60

In: -0.009+/-0.048 χ^2/NDF:61.7/51

Out: 0.002+/-0.047 χ^2/NDF:72.3/55

All: -0.003+/-0.034 χ^2/NDF: 134.0/107

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 225.467+/-0.041 χ^2/NDF: 2282529.2/28

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

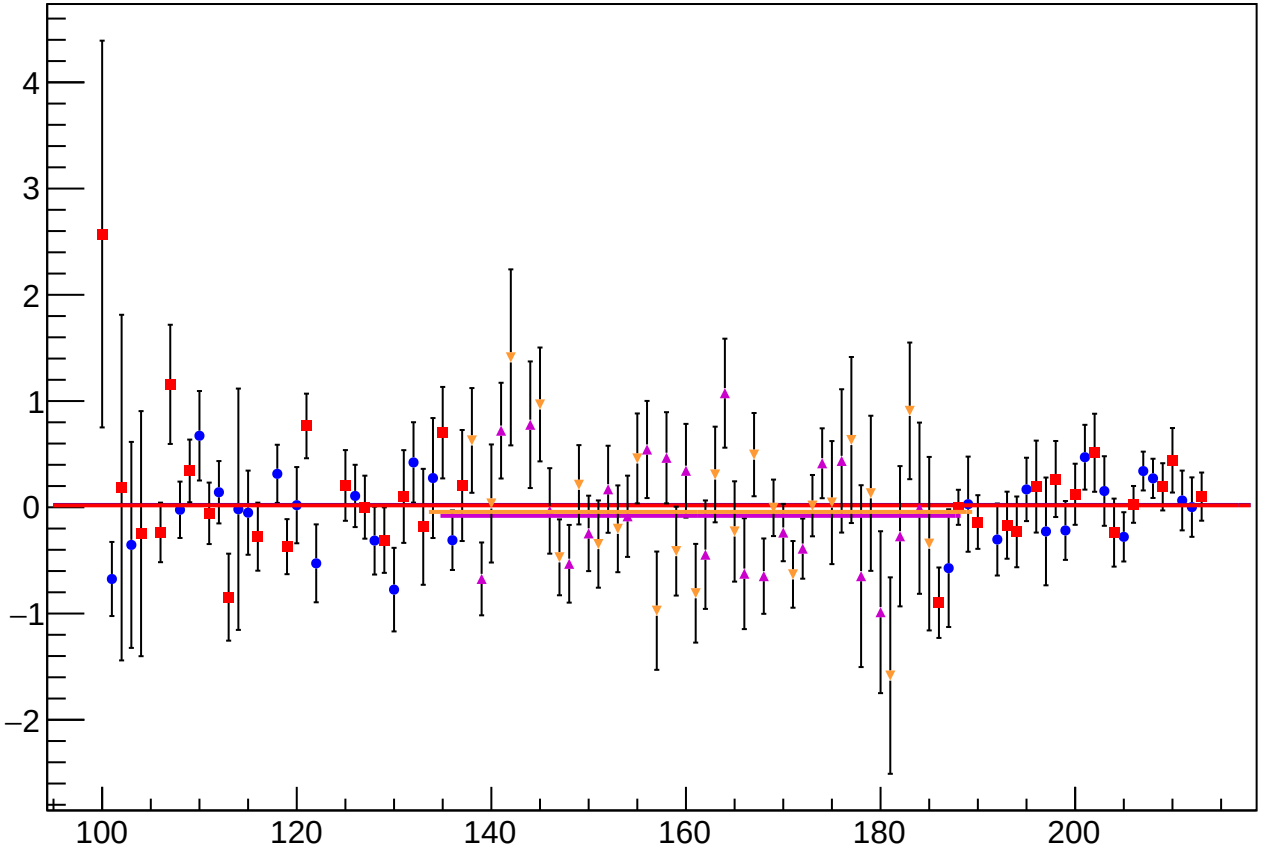
Right: 218.610+/-0.028 χ^2/NDF: 5698067.9/60

In: 265.282+/-0.034 χ^2/NDF:7777476.0/51

Out: 253.548+/-0.033 χ^2/NDF:10464619.9/55

All: 259.188+/-0.024 χ^2/NDF: 18302957.8/10

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.058 χ^2/NDF: 30.4/28

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

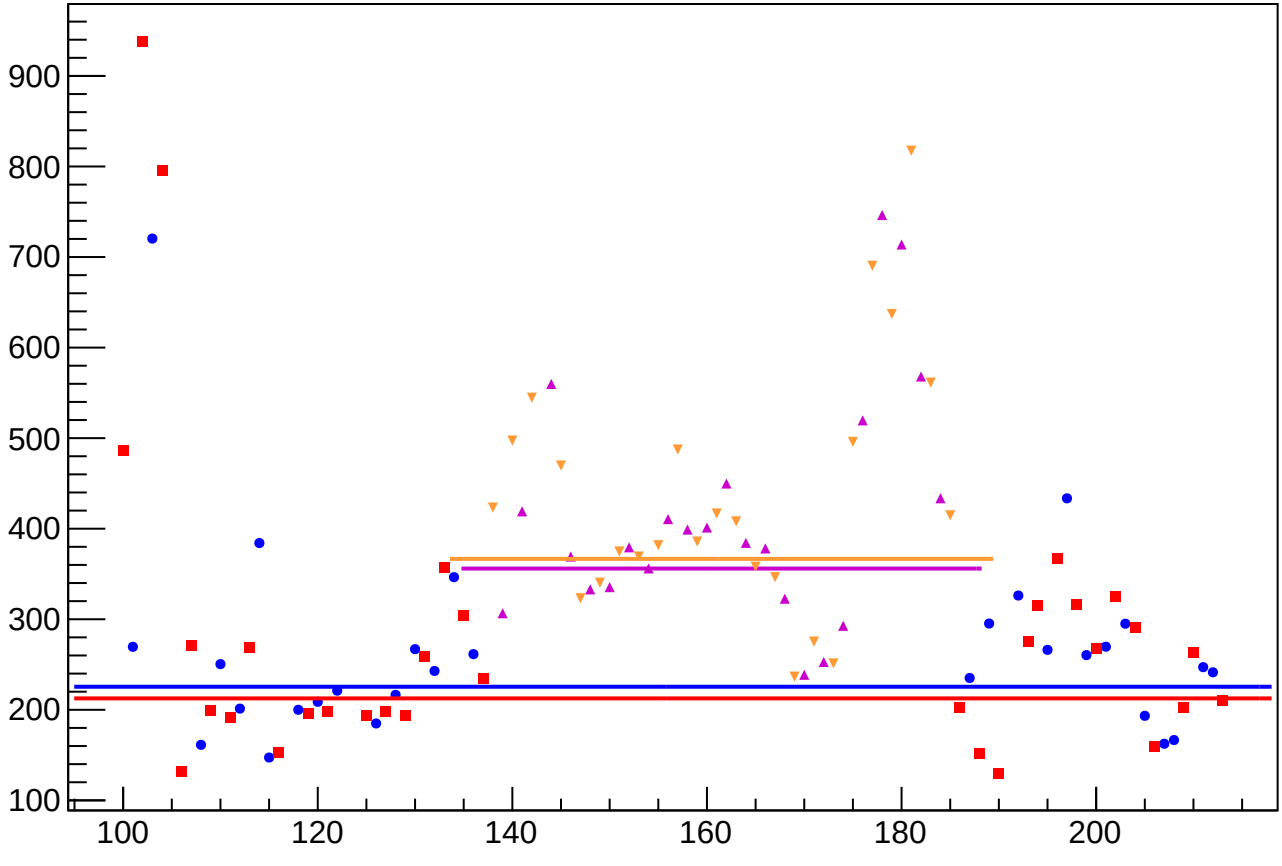
Right: 0.020+/-0.040 χ^2/NDF: 71.4/60

In: -0.009+/-0.048 χ^2/NDF:61.7/51

Out: 0.002+/-0.047 χ^2/NDF:72.3/55

All: -0.003+/-0.034 χ^2/NDF: 134.0/107

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 225.467+/-0.041 χ^2/NDF: 2282529.2/28

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

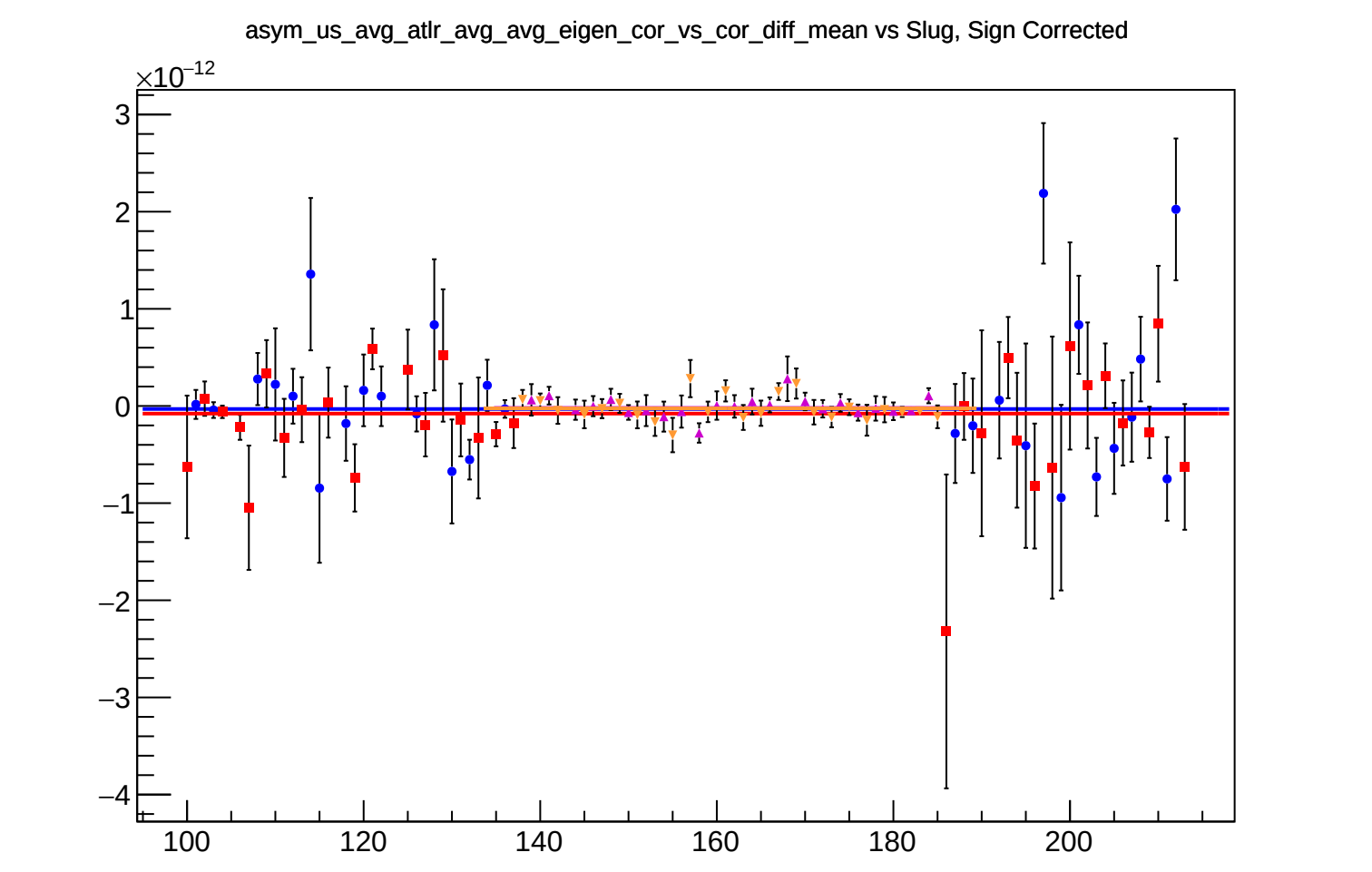
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

Right: 218.610+/-0.028 χ^2/NDF: 5698067.9/60

In: 265.282+/-0.034 χ^2/NDF:7777476.0/51

Out: 253.548+/-0.033 χ^2/NDF:10464619.9/55

All: 259.188+/-0.024 χ^2/NDF: 18302957.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 47.0/28

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 37.1/31

Left In: -0.000+/-0.000 χ^2/NDF:17.2/22

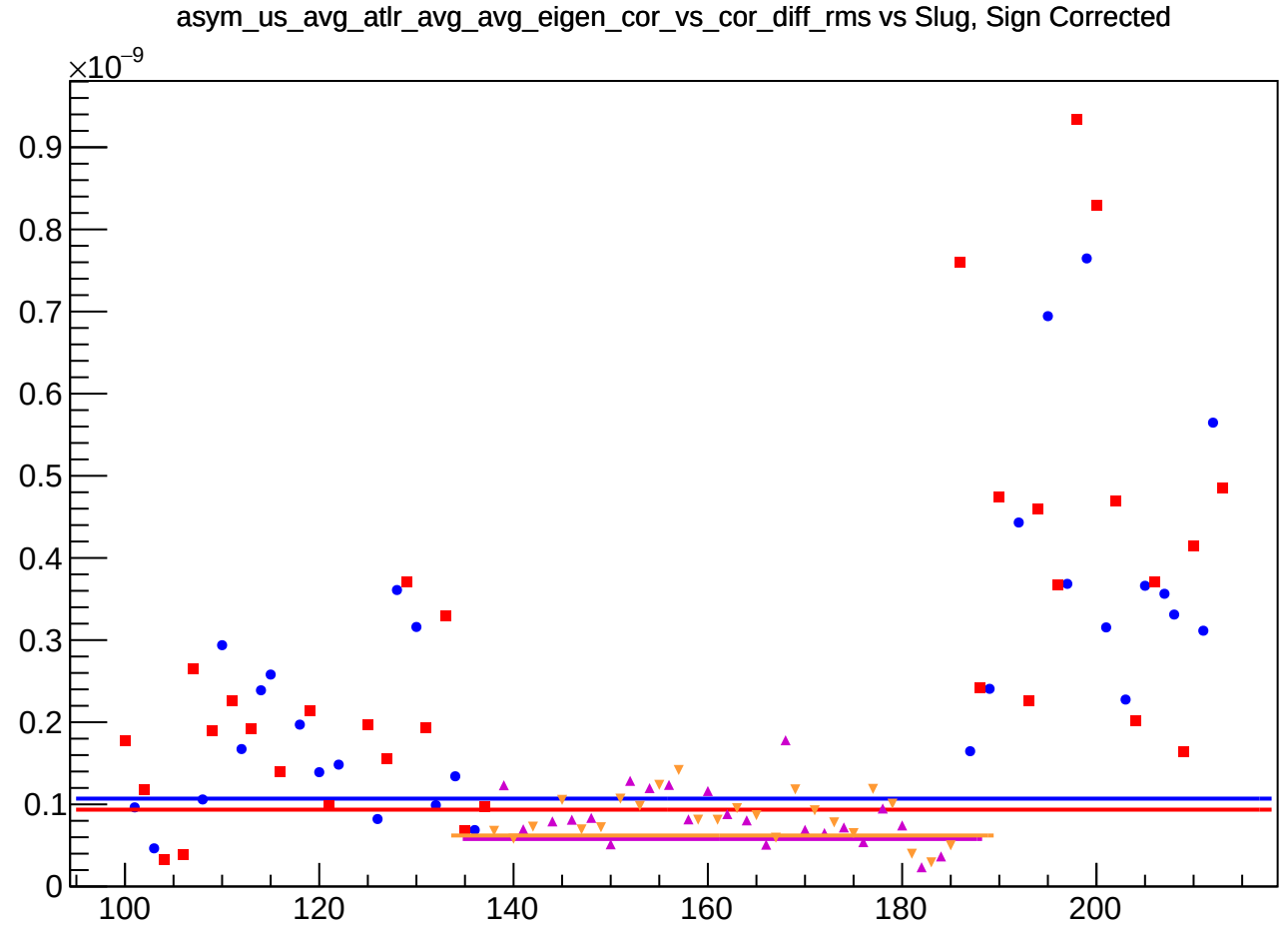
Left: -0.000+/-0.000 χ^2/NDF: 39.1/46

Right: -0.000+/-0.000 χ^2/NDF: 84.7/60

In: -0.000+/-0.000 χ^2/NDF:64.2/51

Out: -0.000+/-0.000 χ^2/NDF:60.4/55

All: -0.000+/-0.000 χ^2/NDF: 124.8/107



Right In: 0.000+/-0.000 χ^2/NDF: 8860168.5/28

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

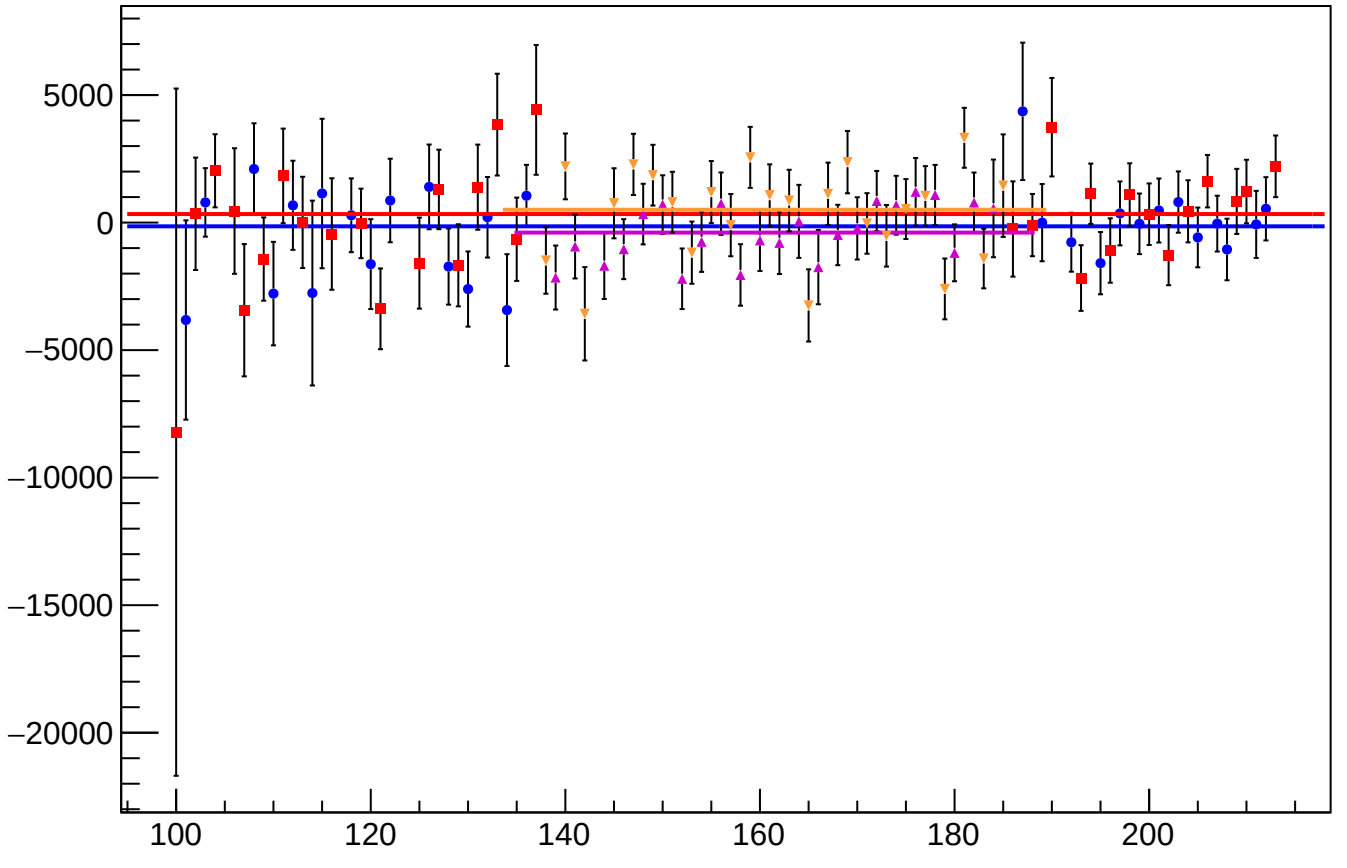
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 20158819.1/60

In: 0.000+/-0.000 χ^2/NDF:16428832.1/51

Out: 0.000+/-0.000 χ^2/NDF:16230593.9/55

All: 0.000+/-0.000 χ^2/NDF: 32682607.2/107



Right In: -146.536+/-271.386 χ^2/NDF: 21.4/28

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

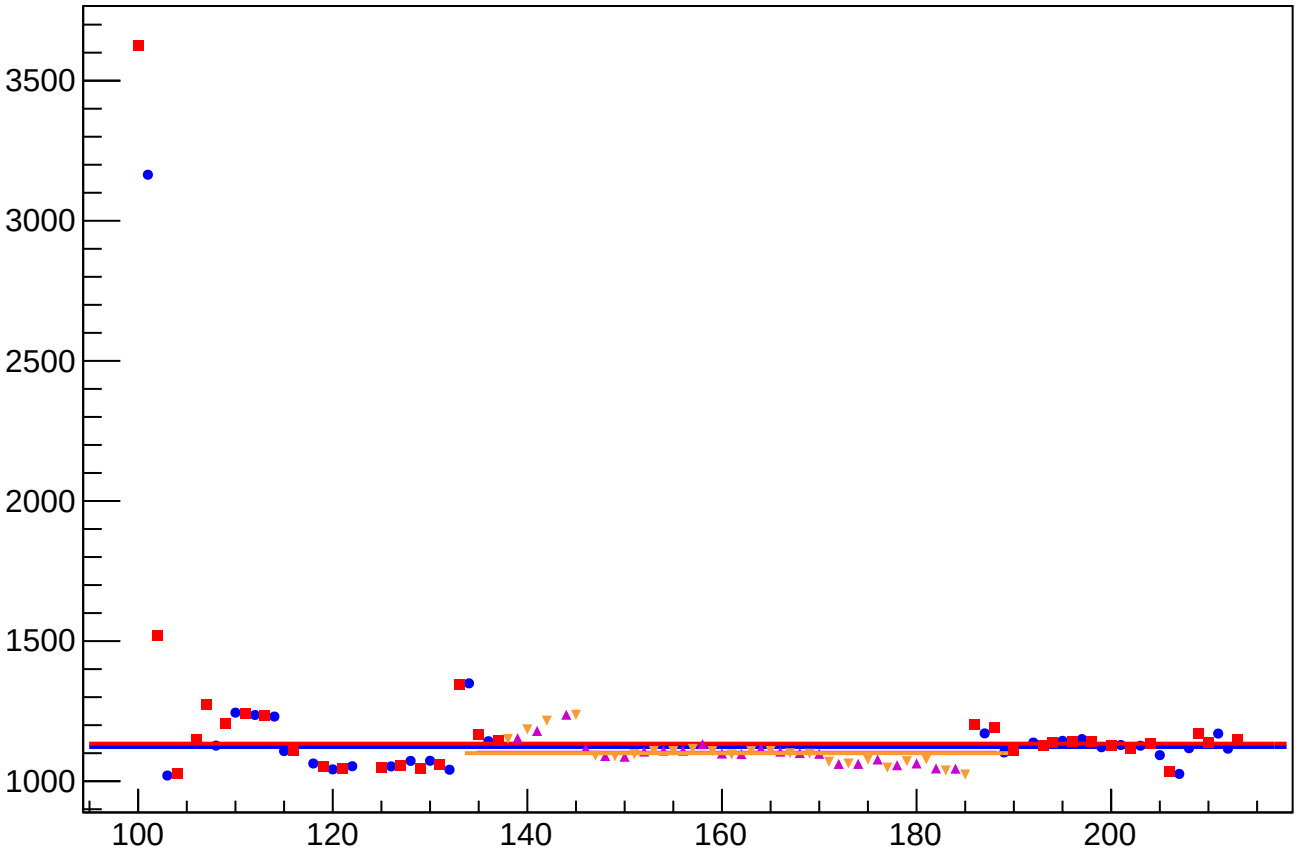
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 99.424+/-189.778 χ^2/NDF: 59.7/60

In: -275.605+/-186.753 χ^2/NDF:39.6/51

Out: 422.429+/-184.106 χ^2/NDF:81.5/55

All: 78.393+/-131.108 χ^2/NDF: 128.2/107



Right In: 1122.168+/-0.192 χ^2/NDF: 644229.3/28

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

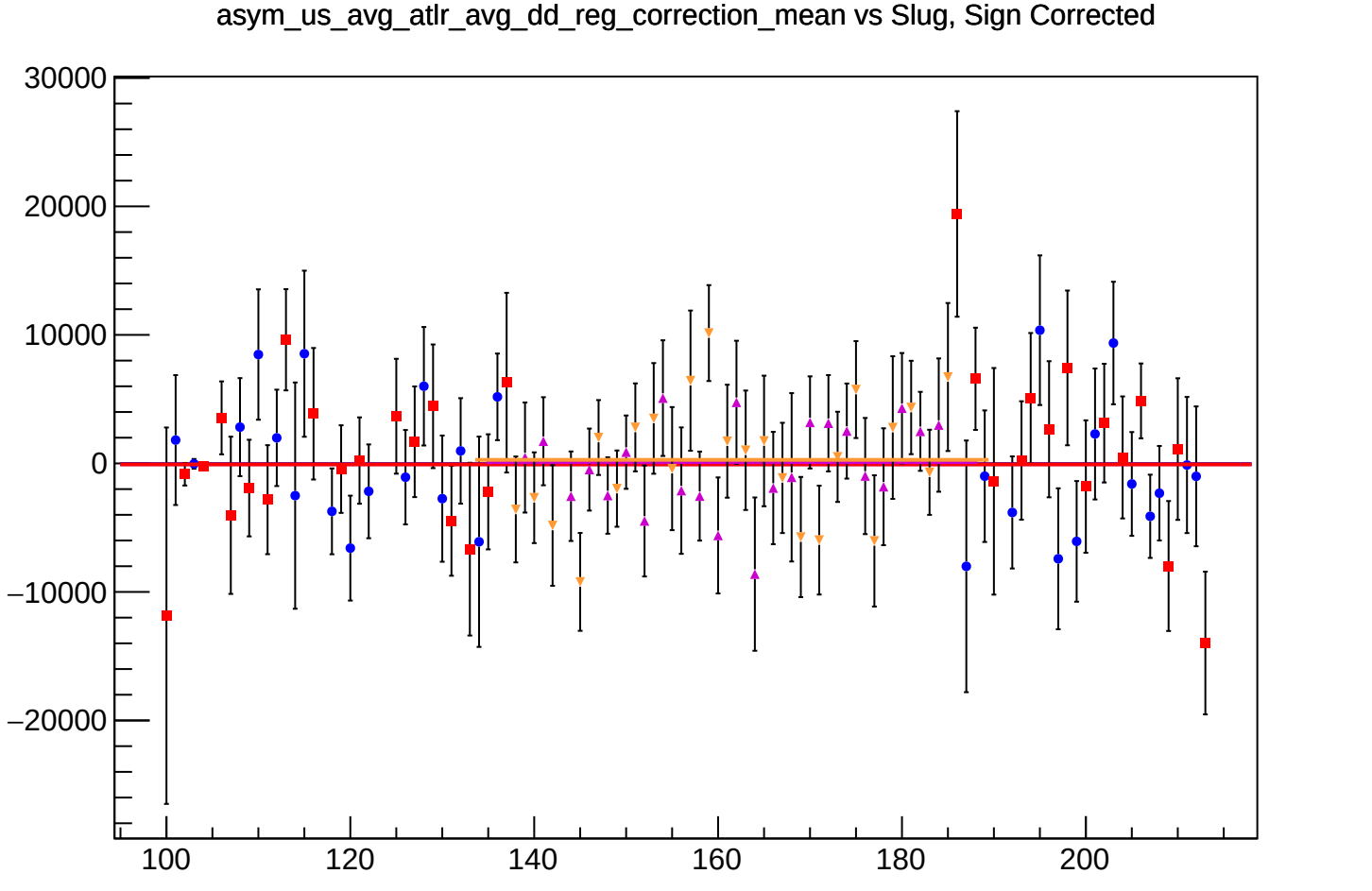
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1128.192+/-0.134 χ^2/NDF: 895500.0/60

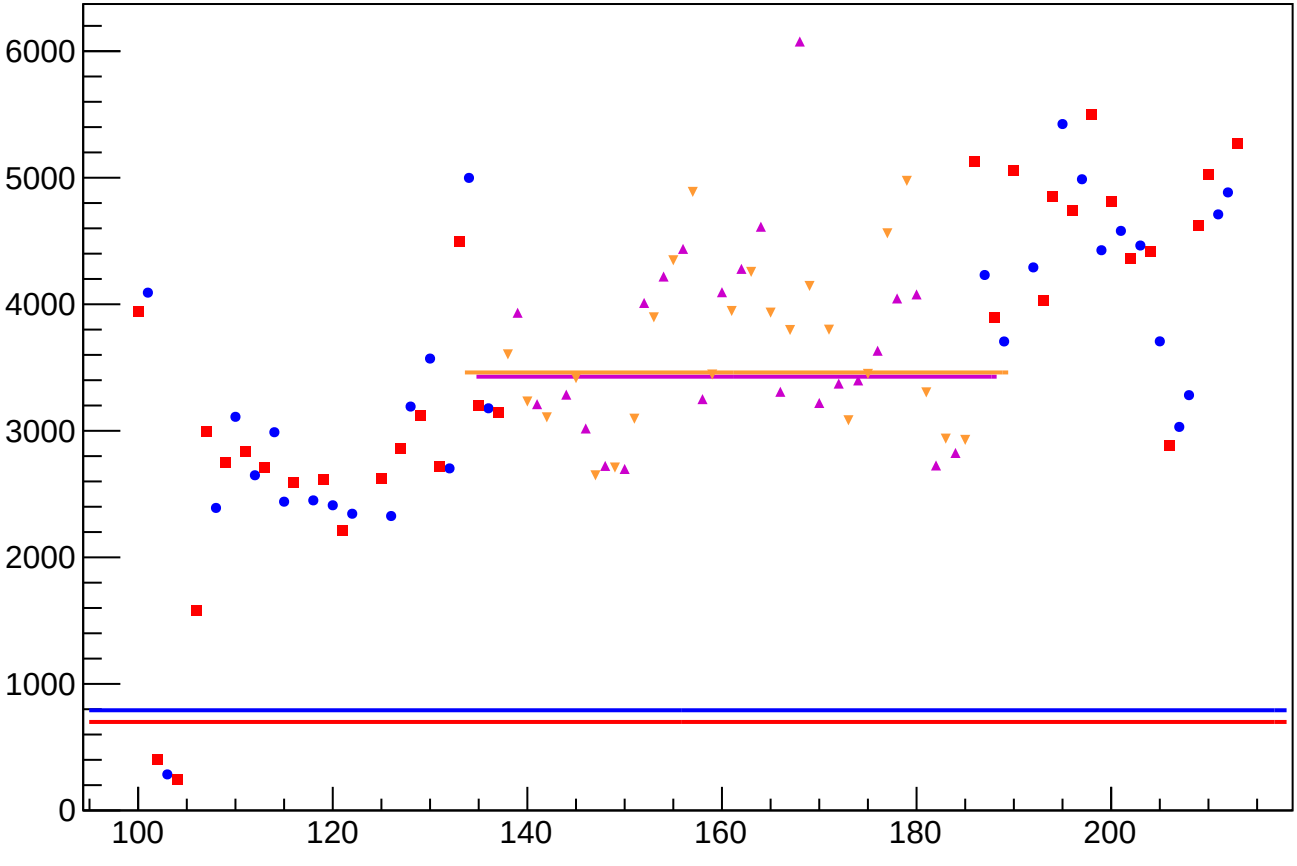
In: 1111.303+/-0.132 χ^2/NDF:702464.7/51

Out: 1116.371+/-0.130 χ^2/NDF:325002.9/55

All: 1113.874+/-0.093 χ^2/NDF: 1028214.7/10


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -52.264+/-344.836 χ²/NDF: 29.2/28
Left Out: 277.507+/-820.501 χ²/NDF:29.9/23
Right Out: -76.824+/-313.043 χ²/NDF: 39.6/31
Left In: 94.734+/-817.223 χ²/NDF:13.7/22
Left: 185.755+/-579.019 χ²/NDF: 43.6/46
Right: -65.728+/-231.782 χ²/NDF: 68.9/60
In: -30.047+/-317.709 χ²/NDF:42.9/51
Out: -31.800+/-292.479 χ²/NDF:69.7/55
All: -30.996+/-215.182 χ²/NDF: 112.6/107

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 791.753+/-0.244 χ^2/NDF: 23895010.1/28

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

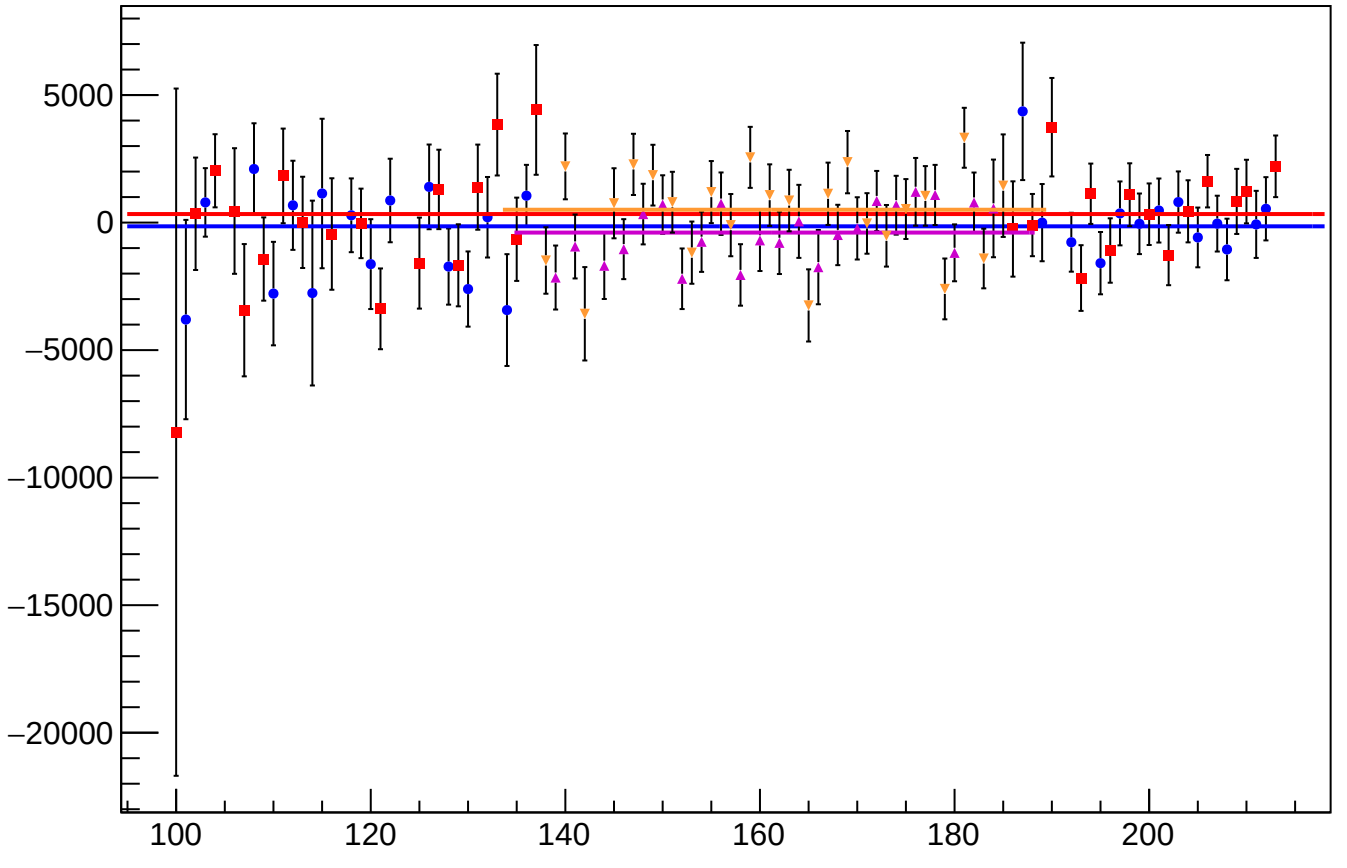
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 741.108+/-0.164 χ^2/NDF: 49985188.1/60

In: 1190.174+/-0.225 χ^2/NDF:42803046.0/51

Out: 1050.315+/-0.207 χ^2/NDF:46851929.4/55

All: 1114.471+/-0.152 χ^2/NDF: 89864759.0/1



Right In: -146.498+/-271.386 χ^2/NDF: 21.3/28

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

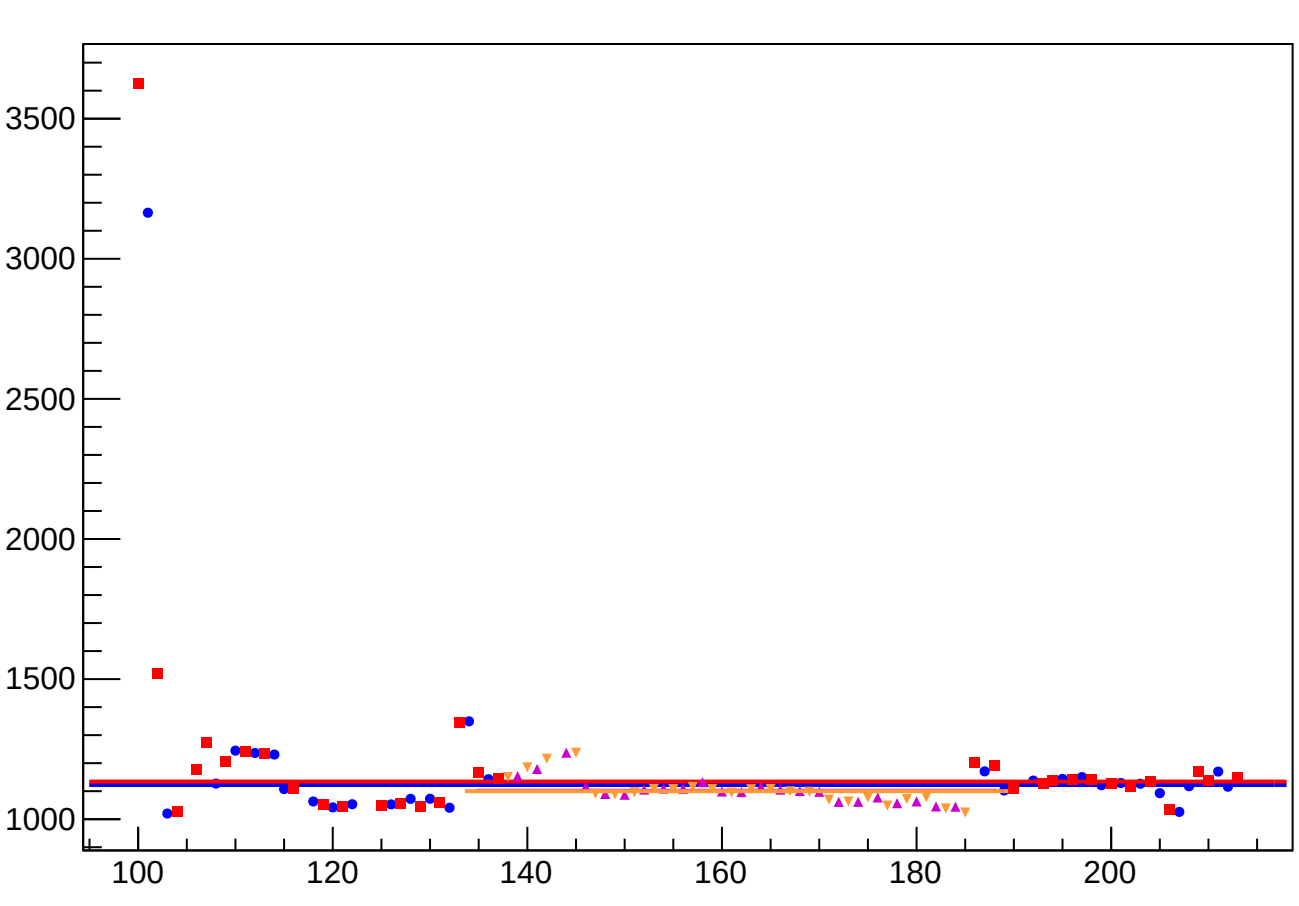
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 99.448+/-189.778 χ^2/NDF: 59.7/60

In: -275.581+/-186.753 χ^2/NDF:39.6/51

Out: 422.472+/-184.106 χ^2/NDF:81.5/55

All: 78.427+/-131.108 χ^2/NDF: 128.2/107



Right In: 1122.168+/-0.192 χ^2/NDF: 644230.4/28

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

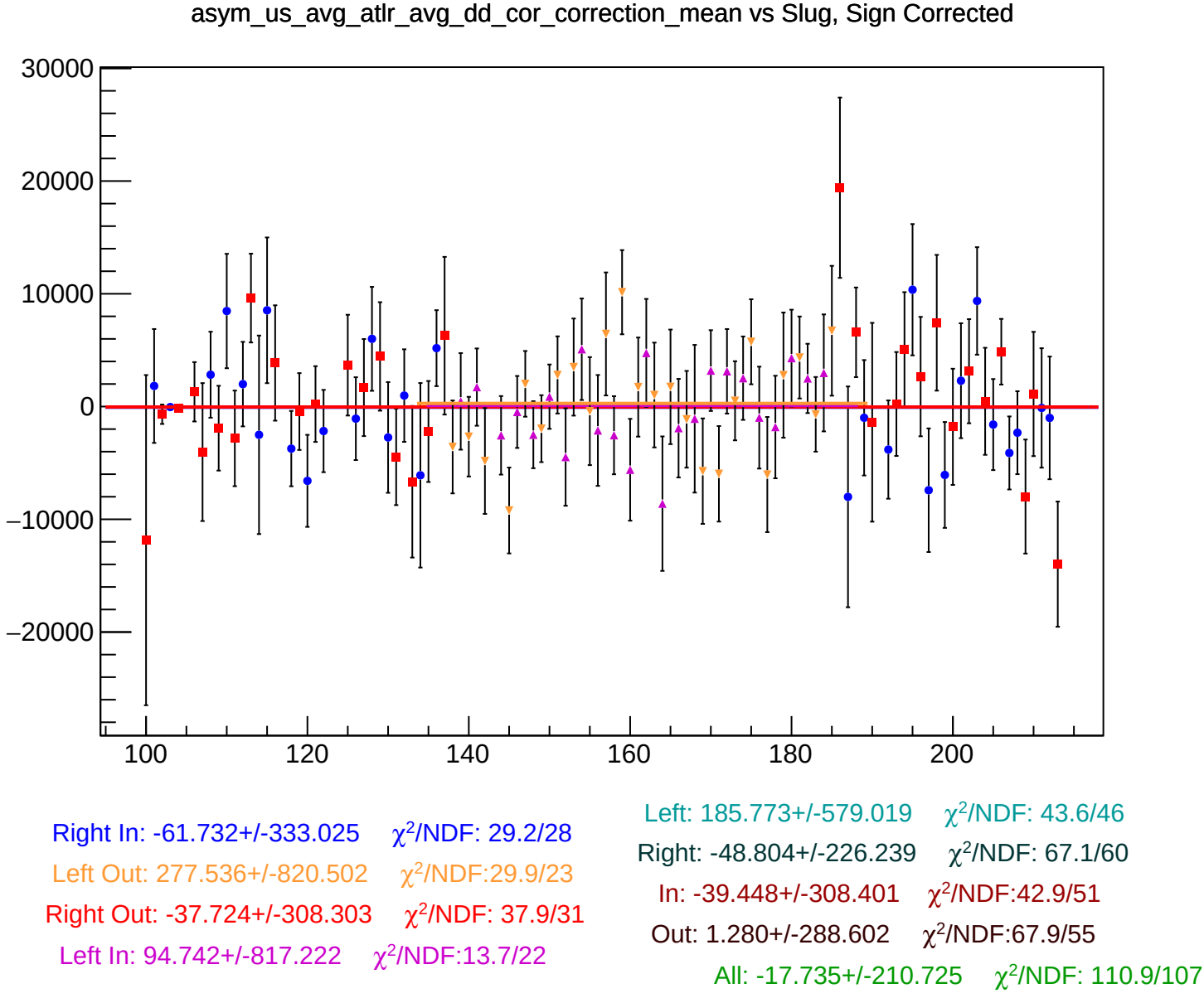
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

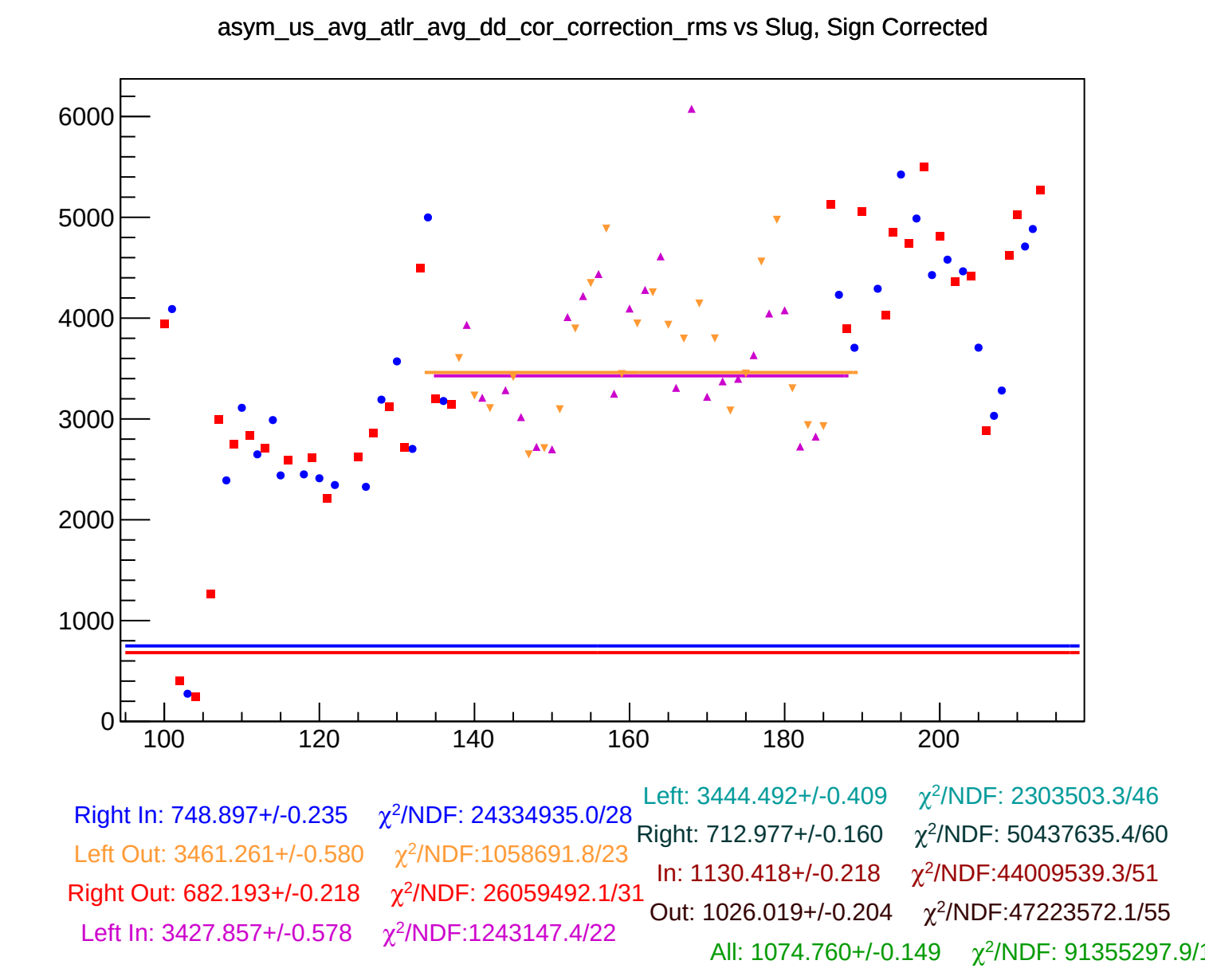
Right: 1128.374+/-0.134 χ^2/NDF: 896228.4/60

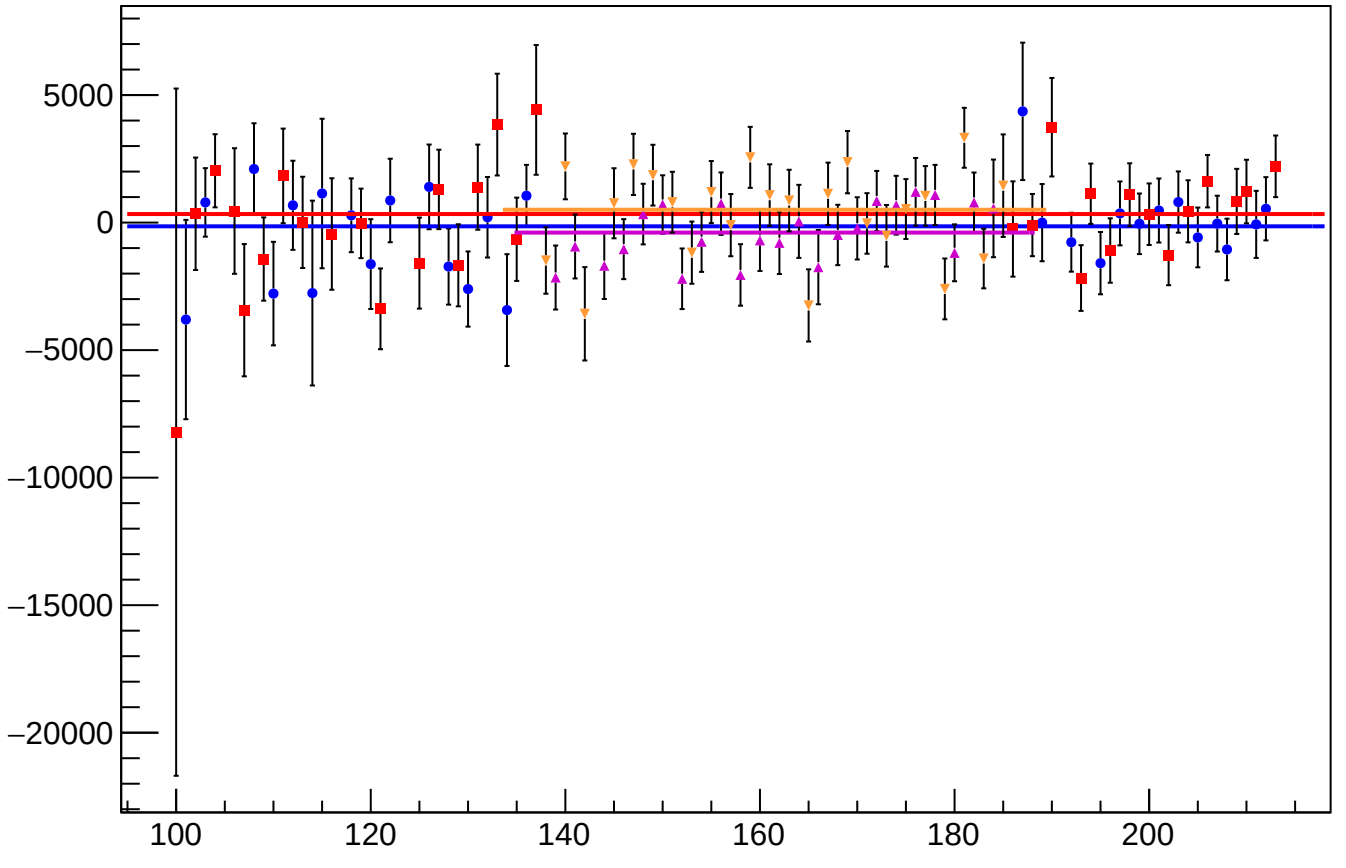
In: 1111.303+/-0.132 χ^2/NDF:702465.7/51

Out: 1116.536+/-0.130 χ^2/NDF:325965.4/55

All: 1113.957+/-0.093 χ^2/NDF: 1029227.7/10


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -61.732+/-333.025 χ²/NDF: 29.2/28
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: -48.804+/-226.239 χ²/NDF: 67.1/60
In: -39.448+/-308.401 χ²/NDF:42.9/51
Out: 1.280+/-288.602 χ²/NDF:67.9/55
All: -17.735+/-210.725 χ²/NDF: 110.9/107


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: 748.897+/-0.235 χ²/NDF: 24334935.0/28
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: 712.977+/-0.160 χ²/NDF: 50437635.4/60
In: 1130.418+/-0.218 χ²/NDF:44009539.3/51
Out: 1026.019+/-0.204 χ²/NDF:47223572.1/55
All: 1074.760+/-0.149 χ²/NDF: 91355297.9/



Right In: -146.498+/-271.386 χ^2/NDF: 21.3/28

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

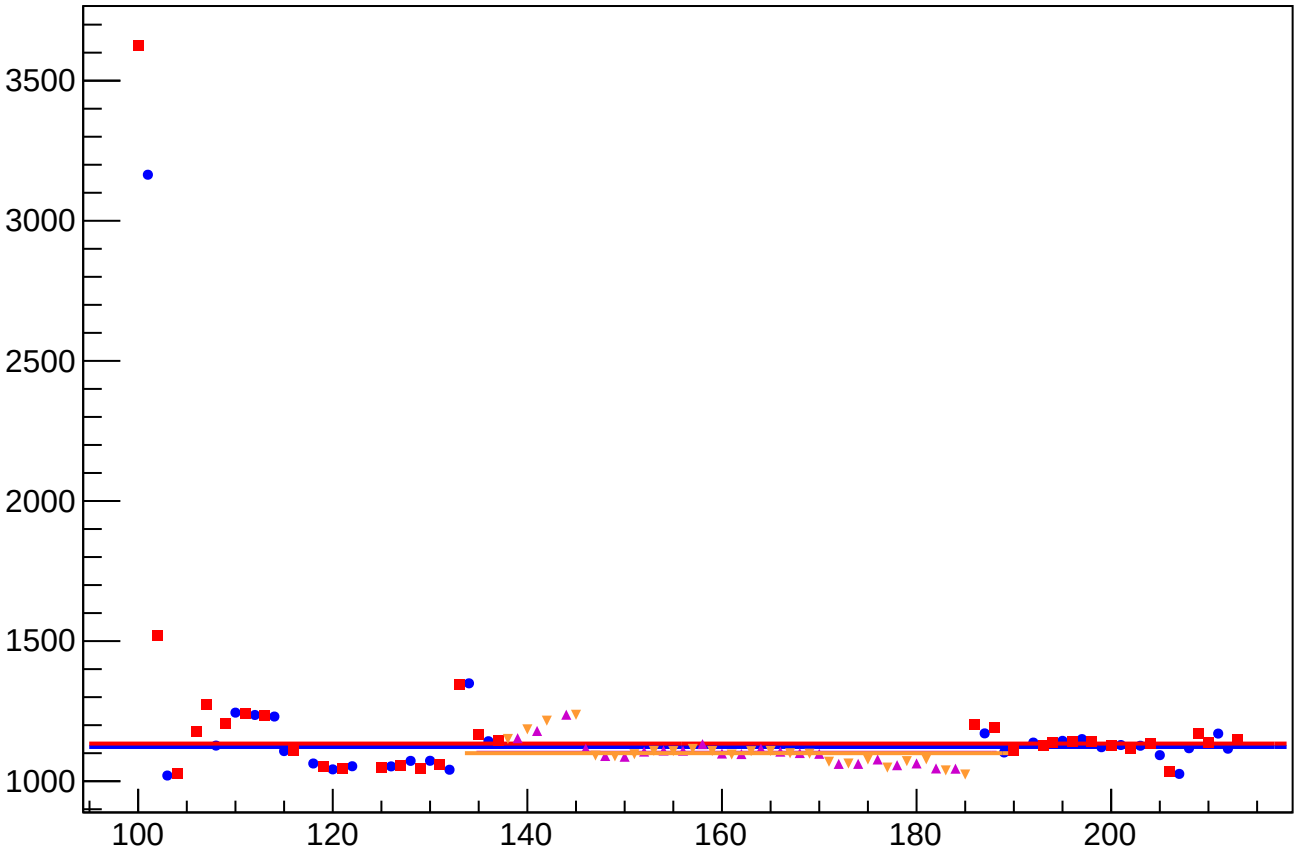
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 99.448+/-189.778 χ^2/NDF: 59.7/60

In: -275.581+/-186.753 χ^2/NDF:39.6/51

Out: 422.472+/-184.106 χ^2/NDF:81.5/55

All: 78.427+/-131.108 χ^2/NDF: 128.2/107



Right In: 1122.168+/-0.192 χ^2/NDF: 644230.4/28

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

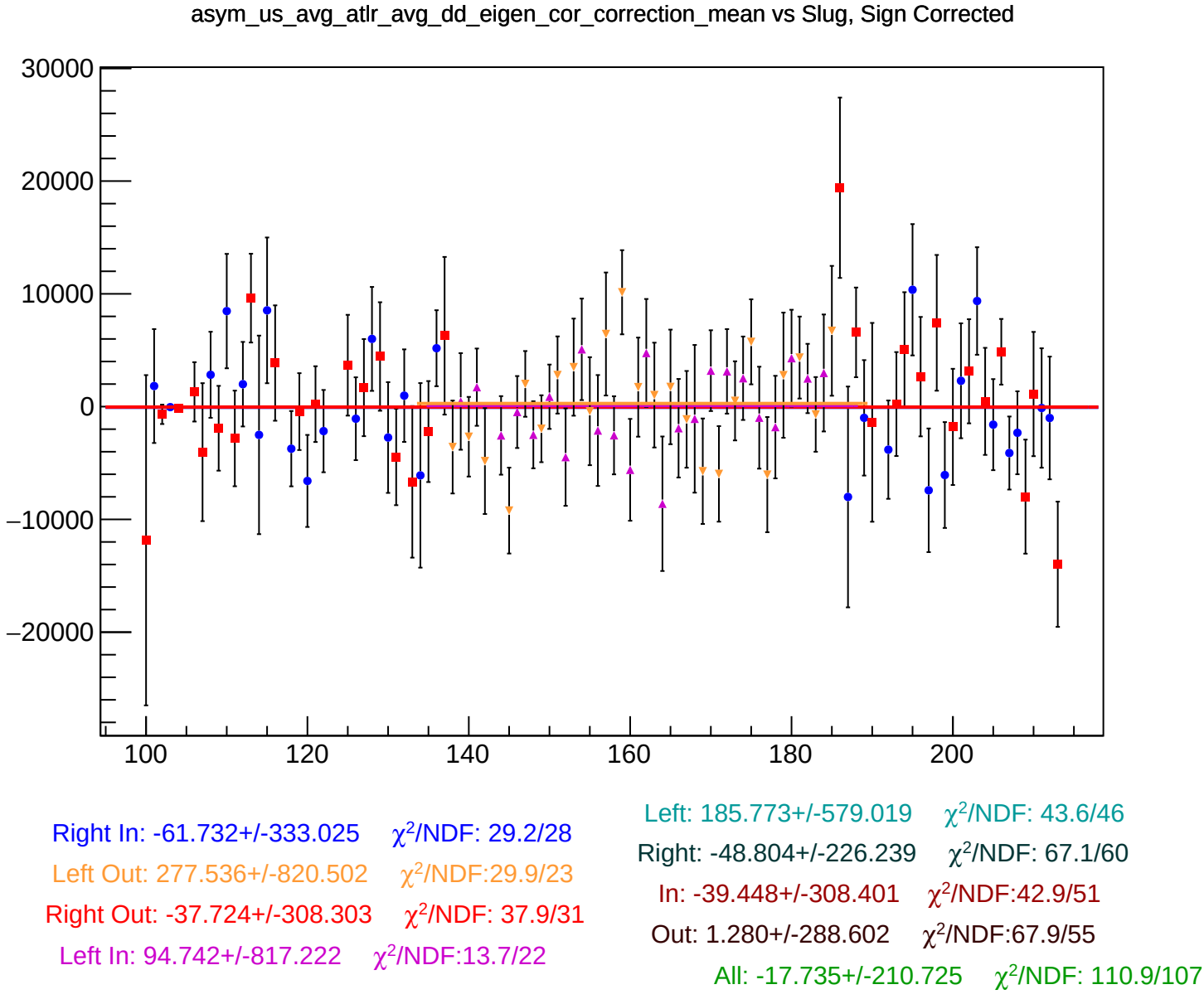
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

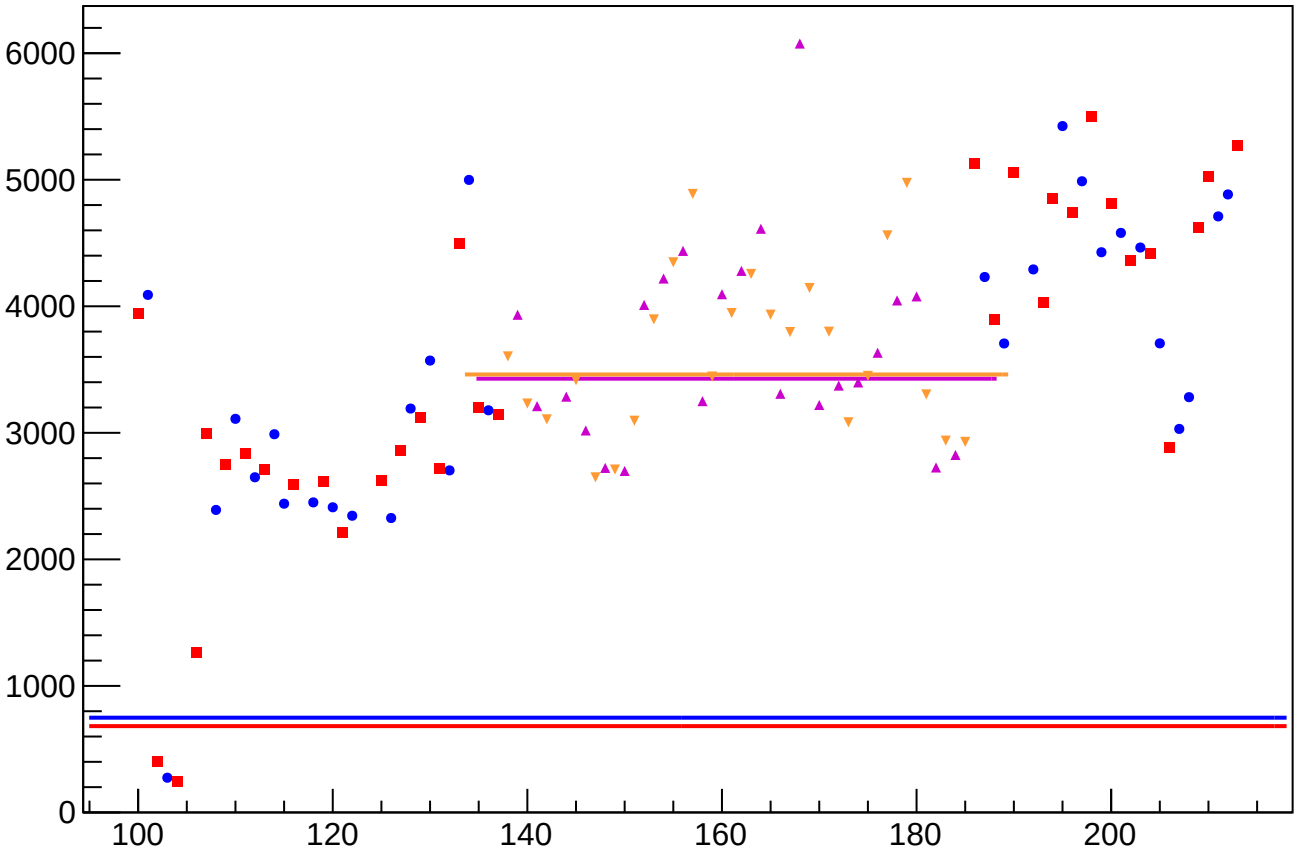
Right: 1128.374+/-0.134 χ^2/NDF: 896228.4/60

In: 1111.303+/-0.132 χ^2/NDF:702465.7/51

Out: 1116.536+/-0.130 χ^2/NDF:325965.4/55

All: 1113.957+/-0.093 χ^2/NDF: 1029227.7/10


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: -61.732+/-333.025 χ²/NDF: 29.2/28
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: -48.804+/-226.239 χ²/NDF: 67.1/60
In: -39.448+/-308.401 χ²/NDF:42.9/51
Out: 1.280+/-288.602 χ²/NDF:67.9/55
All: -17.735+/-210.725 χ²/NDF: 110.9/107



Right In: 748.897+/-0.235 χ^2/NDF: 24334935.0/28

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 682.193+/-0.218 χ^2/NDF: 26059492.1/31

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

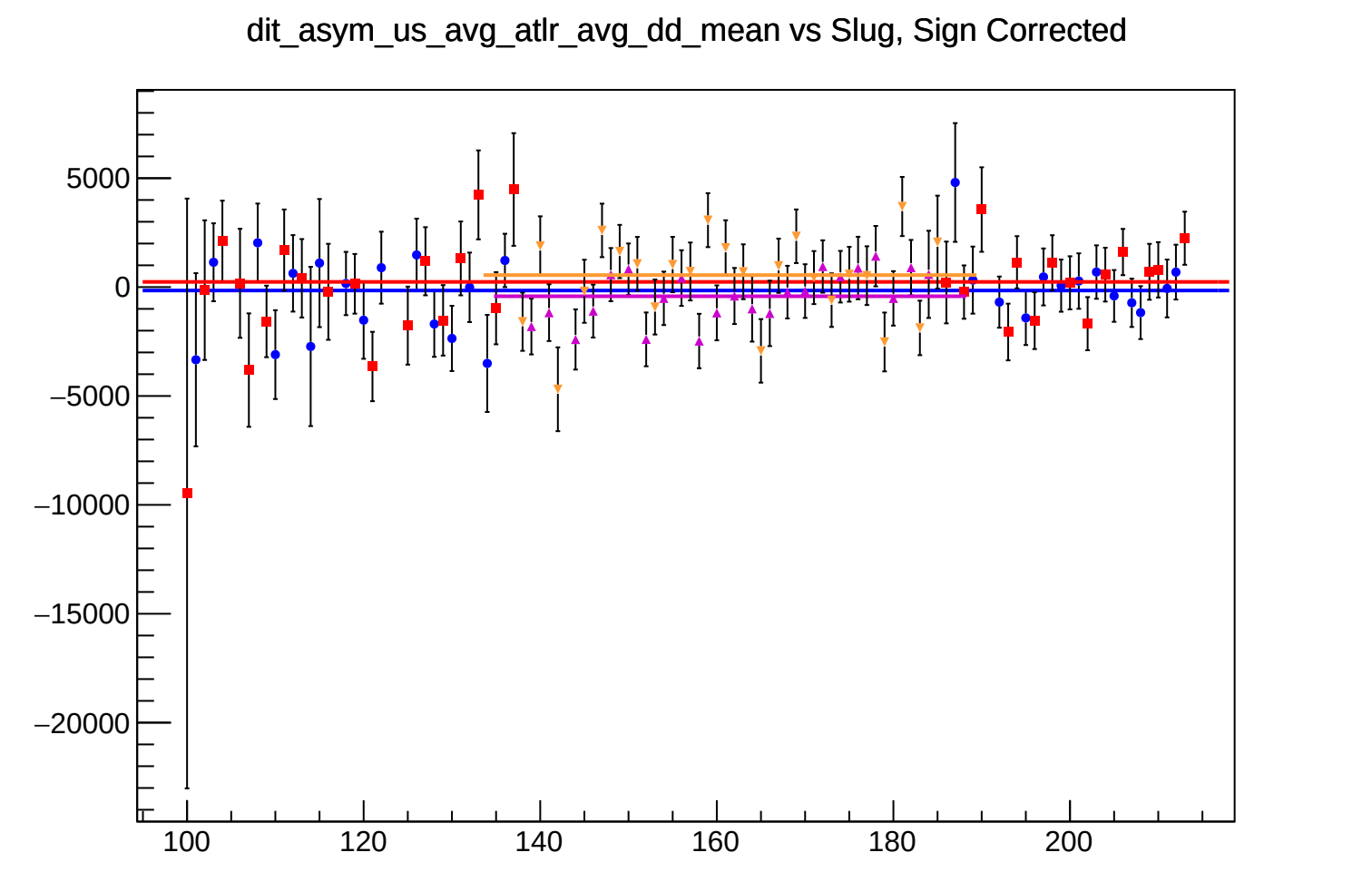
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 712.977+/-0.160 χ^2/NDF: 50437635.4/60

In: 1130.418+/-0.218 χ^2/NDF:44009539.3/51

Out: 1026.019+/-0.204 χ^2/NDF:47223572.1/55

All: 1074.760+/-0.149 χ^2/NDF: 91355297.9/1



Right In: -156.737+/-277.508 χ^2/NDF: 21.3/28

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

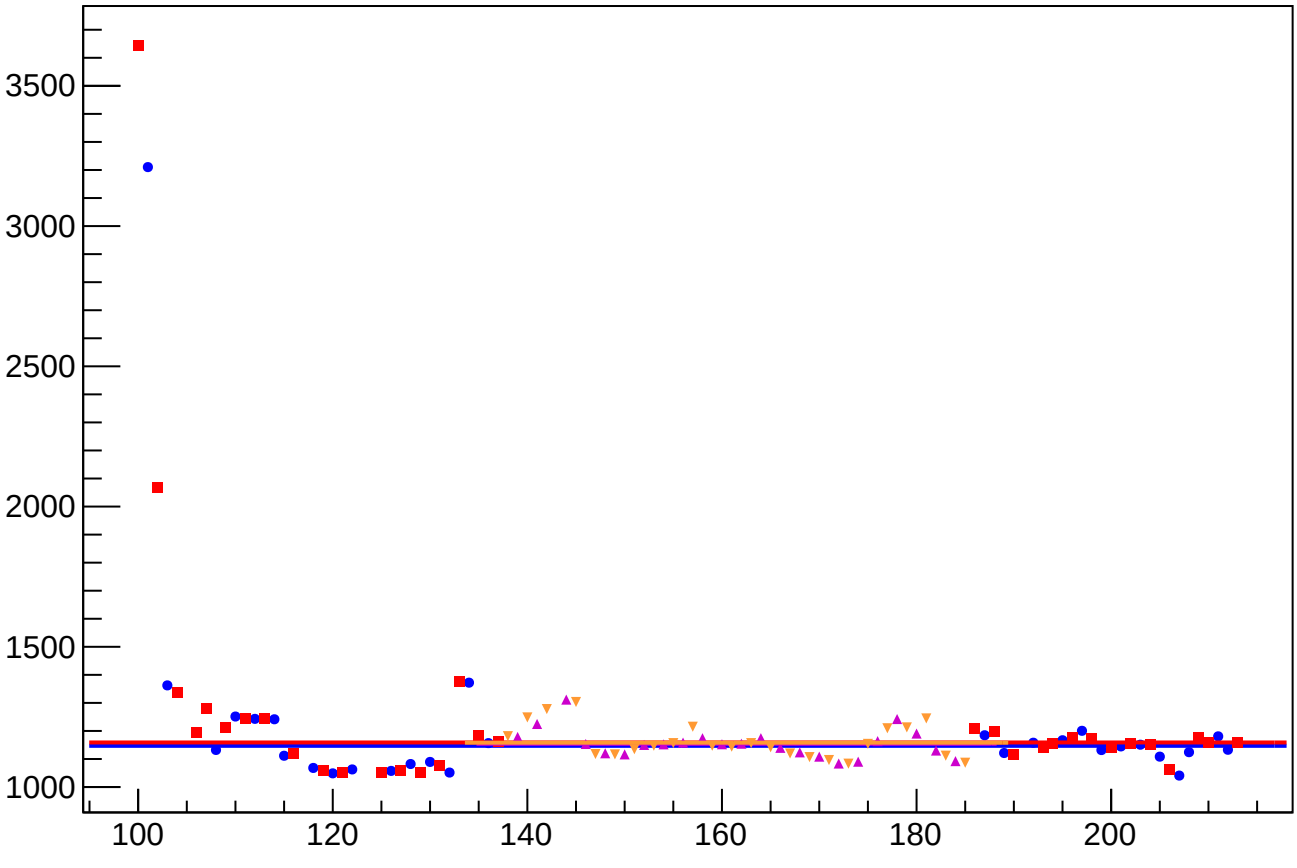
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: 44.786+/-194.327 χ^2/NDF: 60.7/60

In: -292.593+/-193.450 χ^2/NDF:39.7/51

Out: 396.402+/-191.410 χ^2/NDF:84.3/55

All: 55.557+/-136.063 χ^2/NDF: 130.4/107



Right In: 1146.950+/-0.196 χ^2/NDF: 665858.7/28

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

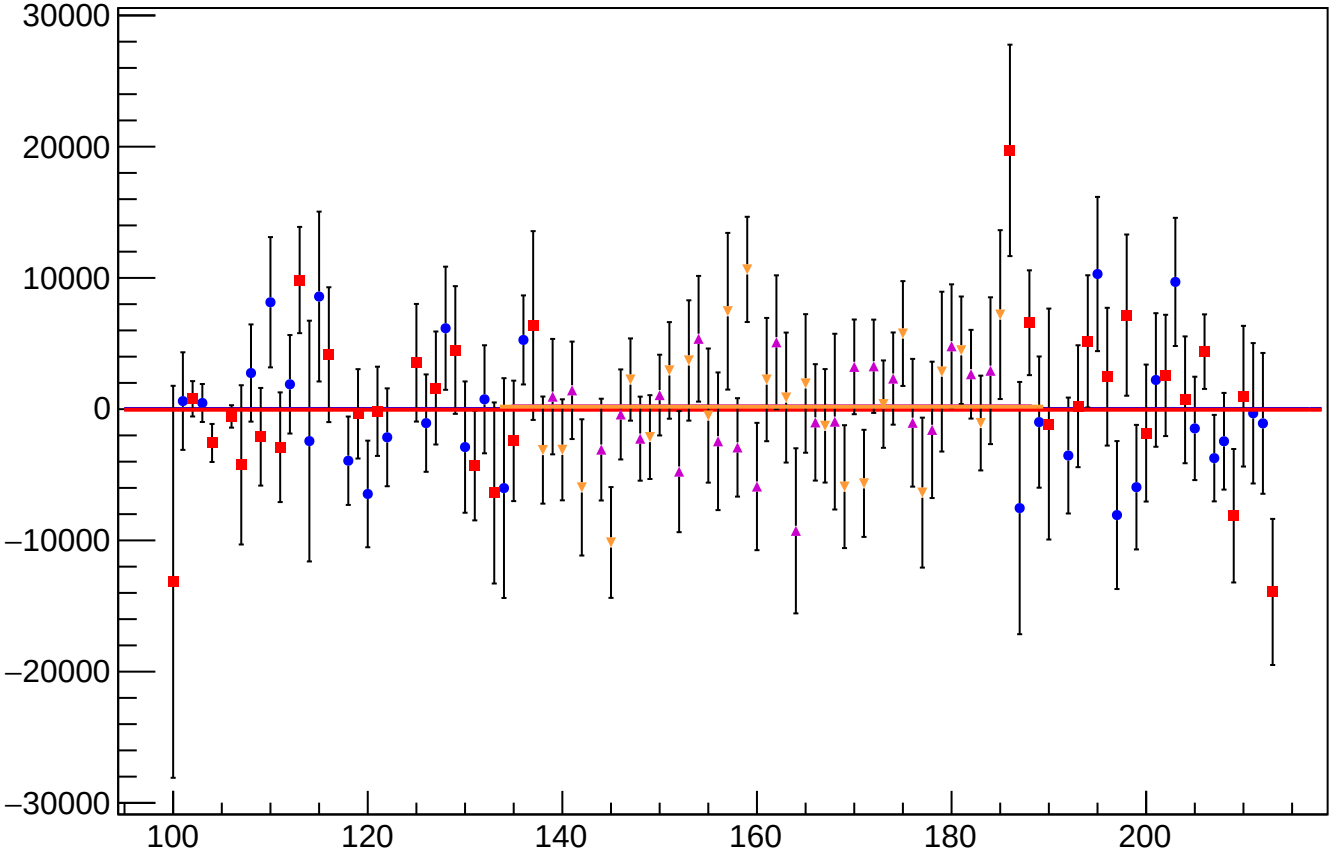
Right: 1153.063+/-0.137 χ^2/NDF: 1023793.4/60

In: 1150.693+/-0.137 χ^2/NDF:733043.3/51

Out: 1158.556+/-0.135 χ^2/NDF:440150.3/55

All: 1154.666+/-0.096 χ^2/NDF: 1174863.5/10

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 14.014+/-726.202 χ^2/NDF: 28.8/28

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

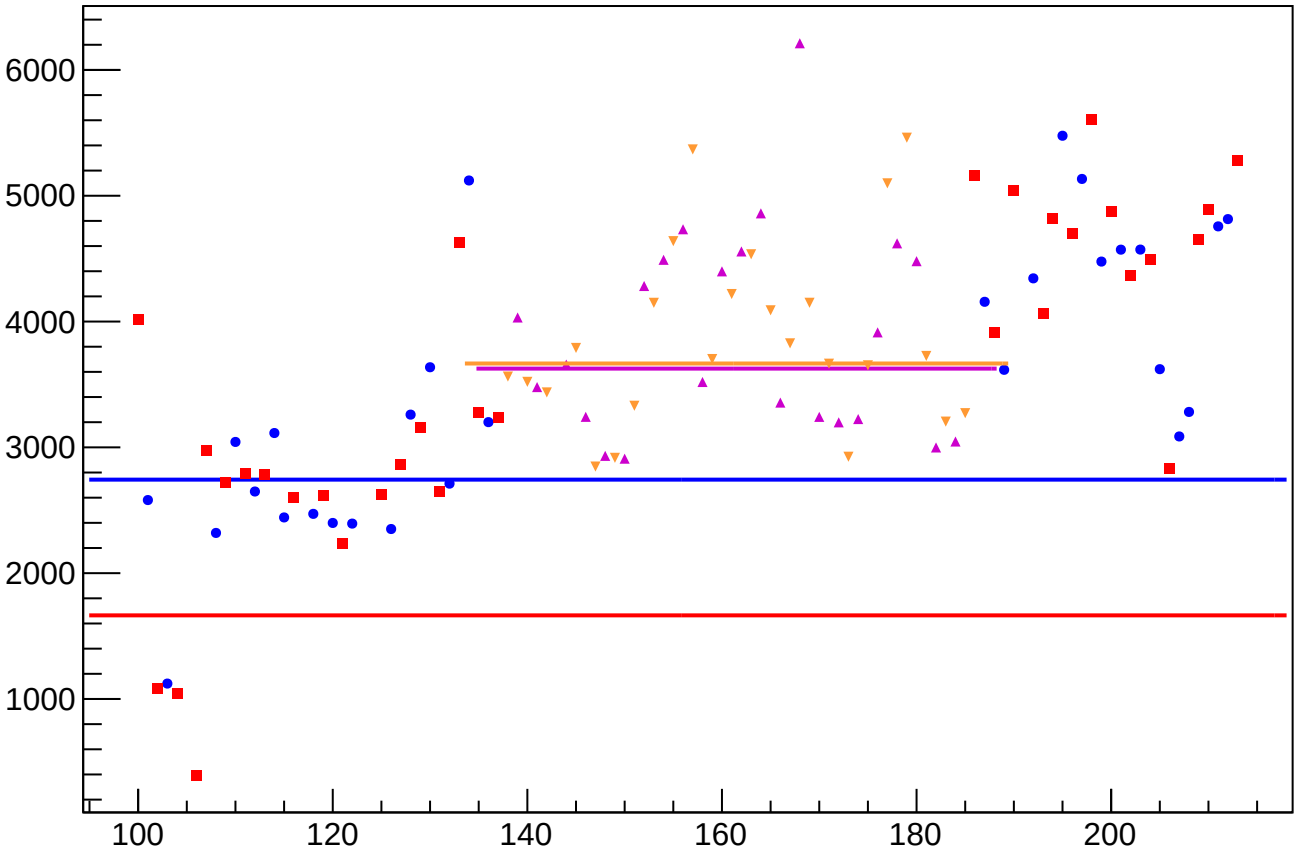
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: -23.220+/-422.018 χ^2/NDF: 69.0/60

In: 99.764+/-556.123 χ^2/NDF:42.2/51

Out: 18.655+/-445.367 χ^2/NDF:69.5/55

All: 50.348+/-347.630 χ^2/NDF: 111.8/107



Right In: 2743.449+/-0.514 χ^2/NDF: 5616683.5/28

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

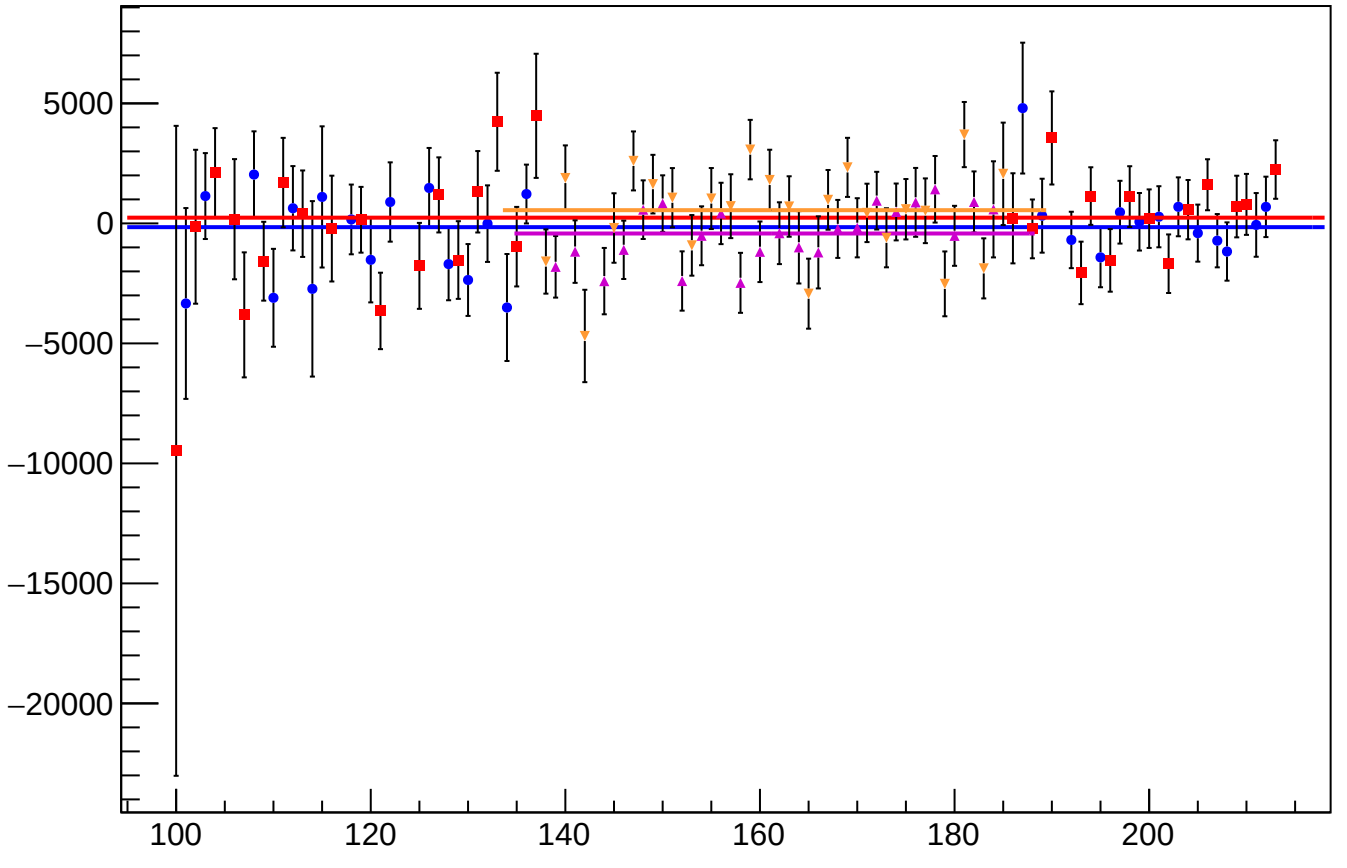
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

Right: 2028.944+/-0.298 χ^2/NDF: 24714699.3/60

In: 3108.409+/-0.393 χ^2/NDF:8096047.8/51

Out: 2189.913+/-0.315 χ^2/NDF:25091779.4/55

All: 2548.811+/-0.246 χ^2/NDF: 36511678.3/



Right In: -156.734+/-277.508 χ^2/NDF: 21.3/28

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 238.685+/-272.208 χ^2/NDF: 38.4/31

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

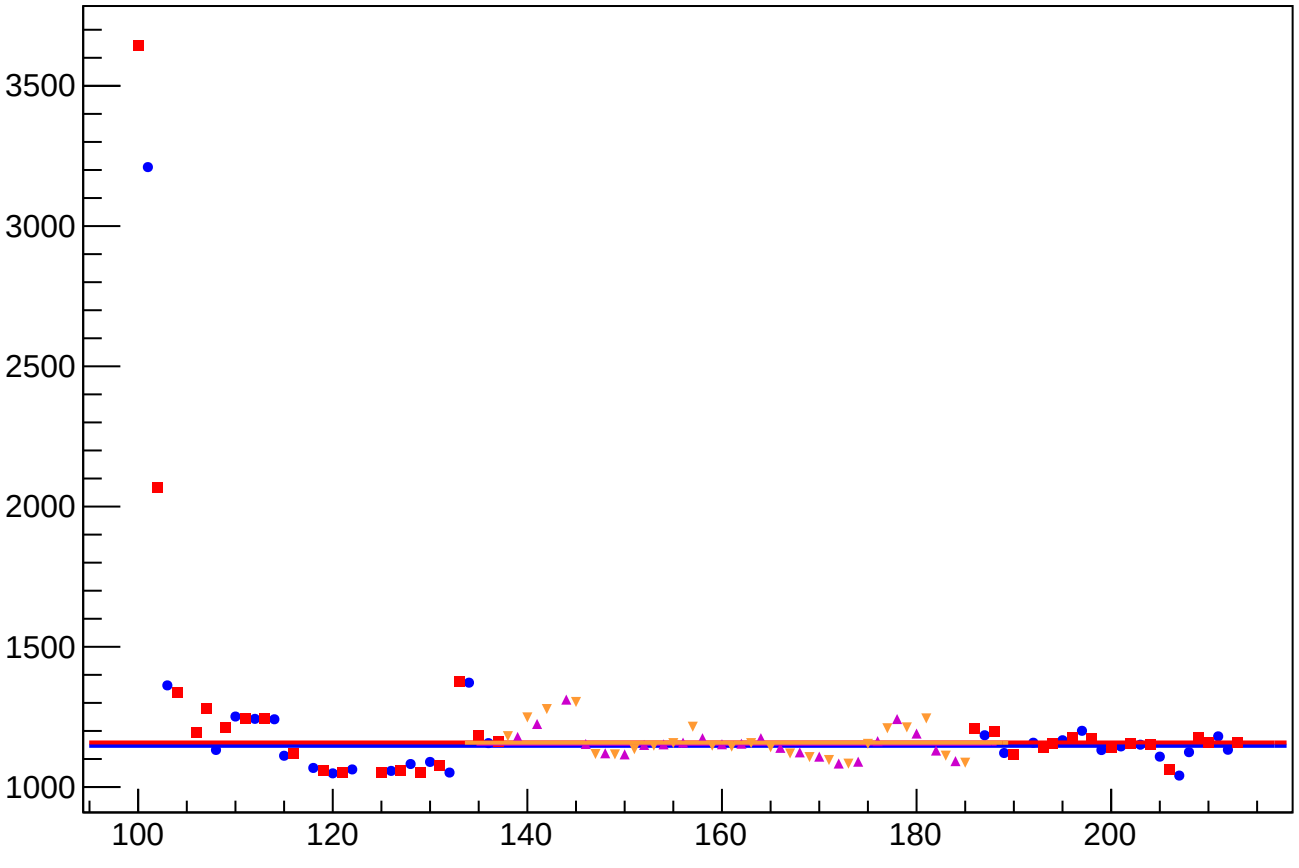
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: 44.787+/-194.327 χ^2/NDF: 60.7/60

In: -292.592+/-193.451 χ^2/NDF:39.7/51

Out: 396.403+/-191.410 χ^2/NDF:84.3/55

All: 55.559+/-136.063 χ^2/NDF: 130.5/107



Right In: 1146.950+/-0.196 χ^2/NDF: 665859.1/28

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

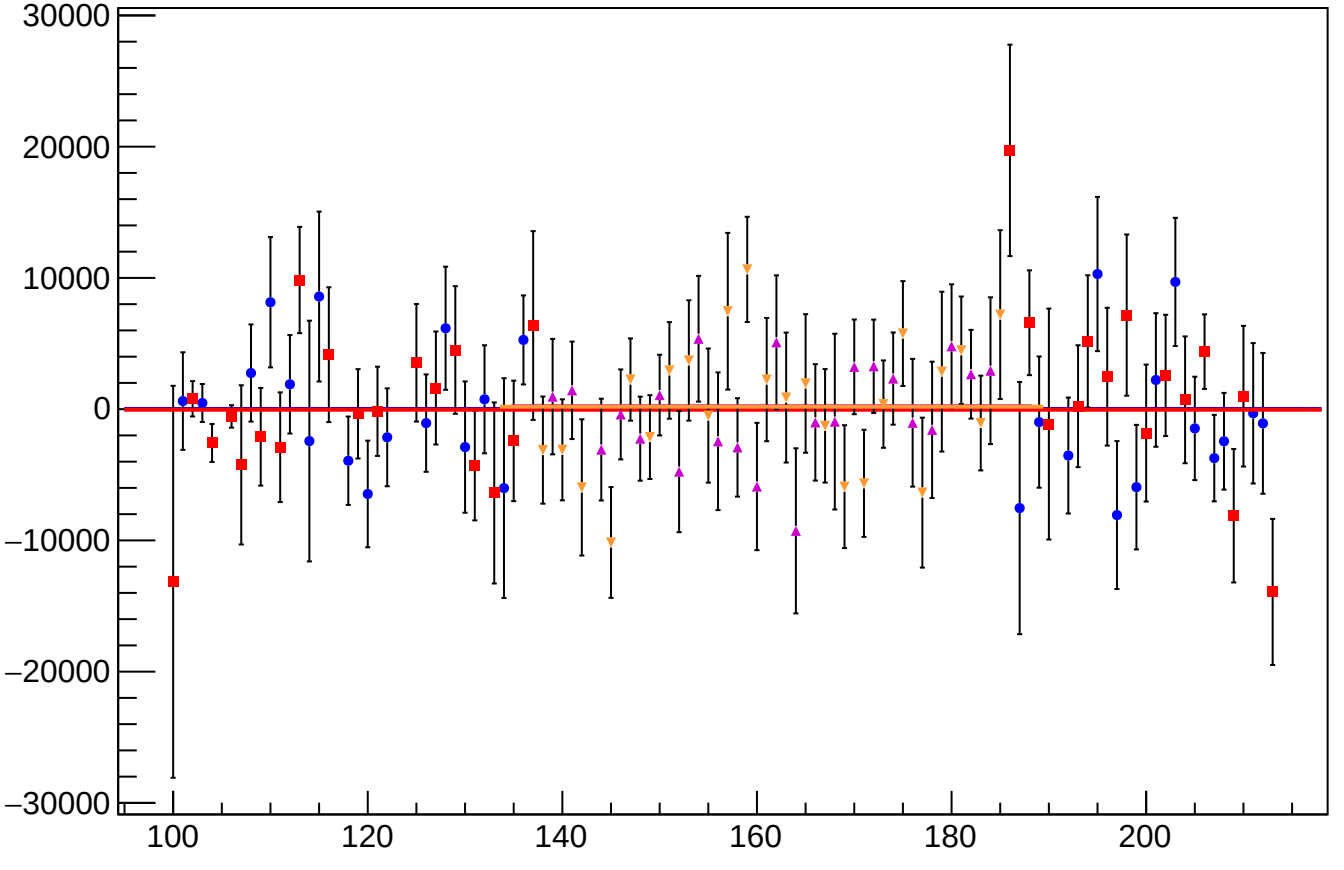
Right: 1153.063+/-0.137 χ^2/NDF: 1023793.6/60

In: 1150.693+/-0.137 χ^2/NDF:733046.4/51

Out: 1158.556+/-0.135 χ^2/NDF:440152.6/55

All: 1154.667+/-0.096 χ^2/NDF: 1174868.9/10

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 14.011+/-726.202 χ^2/NDF: 28.8/28

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

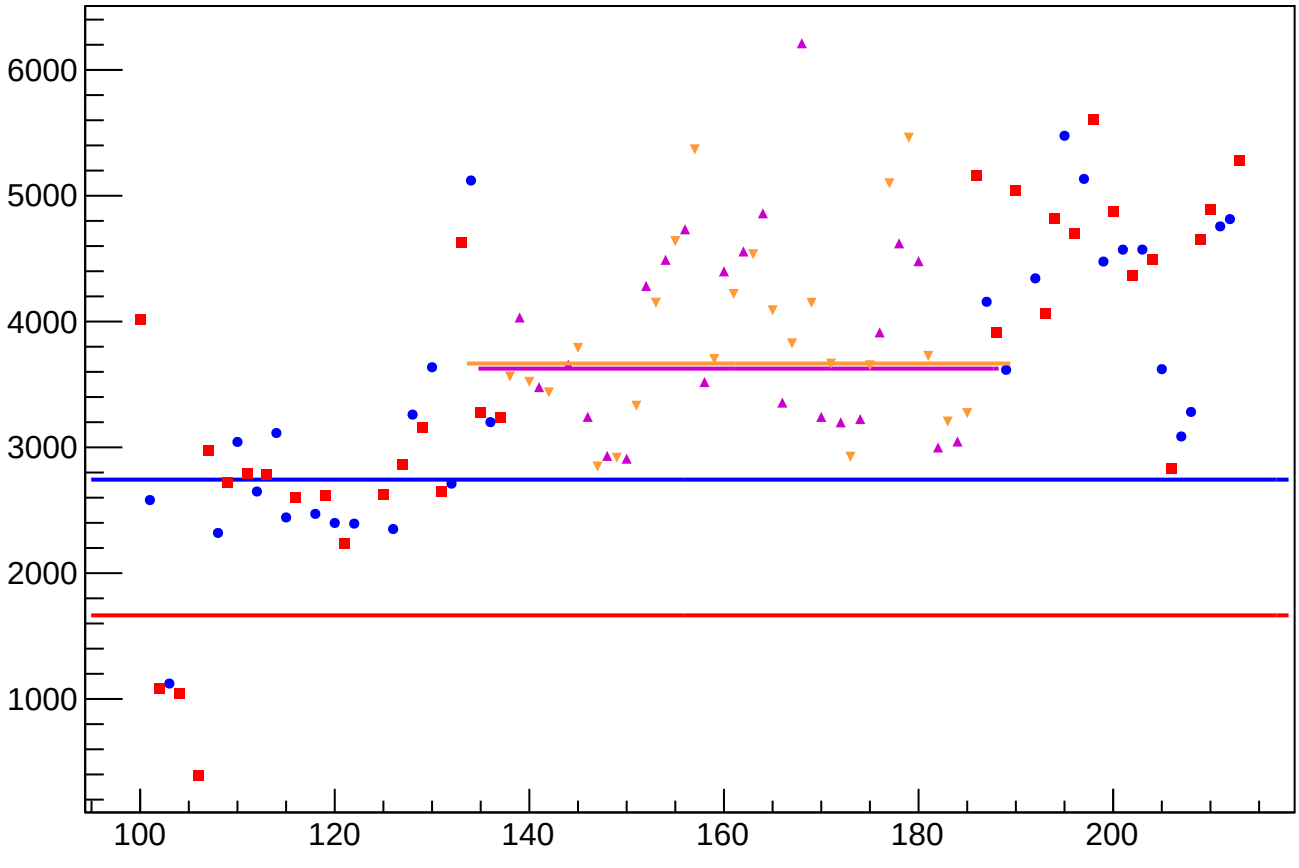
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: -23.227+/-422.015 χ^2/NDF: 69.0/60

In: 99.763+/-556.123 χ^2/NDF:42.2/51

Out: 18.648+/-445.364 χ^2/NDF:69.5/55

All: 50.343+/-347.629 χ^2/NDF: 111.8/107



Right In: 2743.446+/-0.514 χ^2/NDF: 5616709.8/28

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1664.576+/-0.367 χ^2/NDF: 16175006.7/31

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

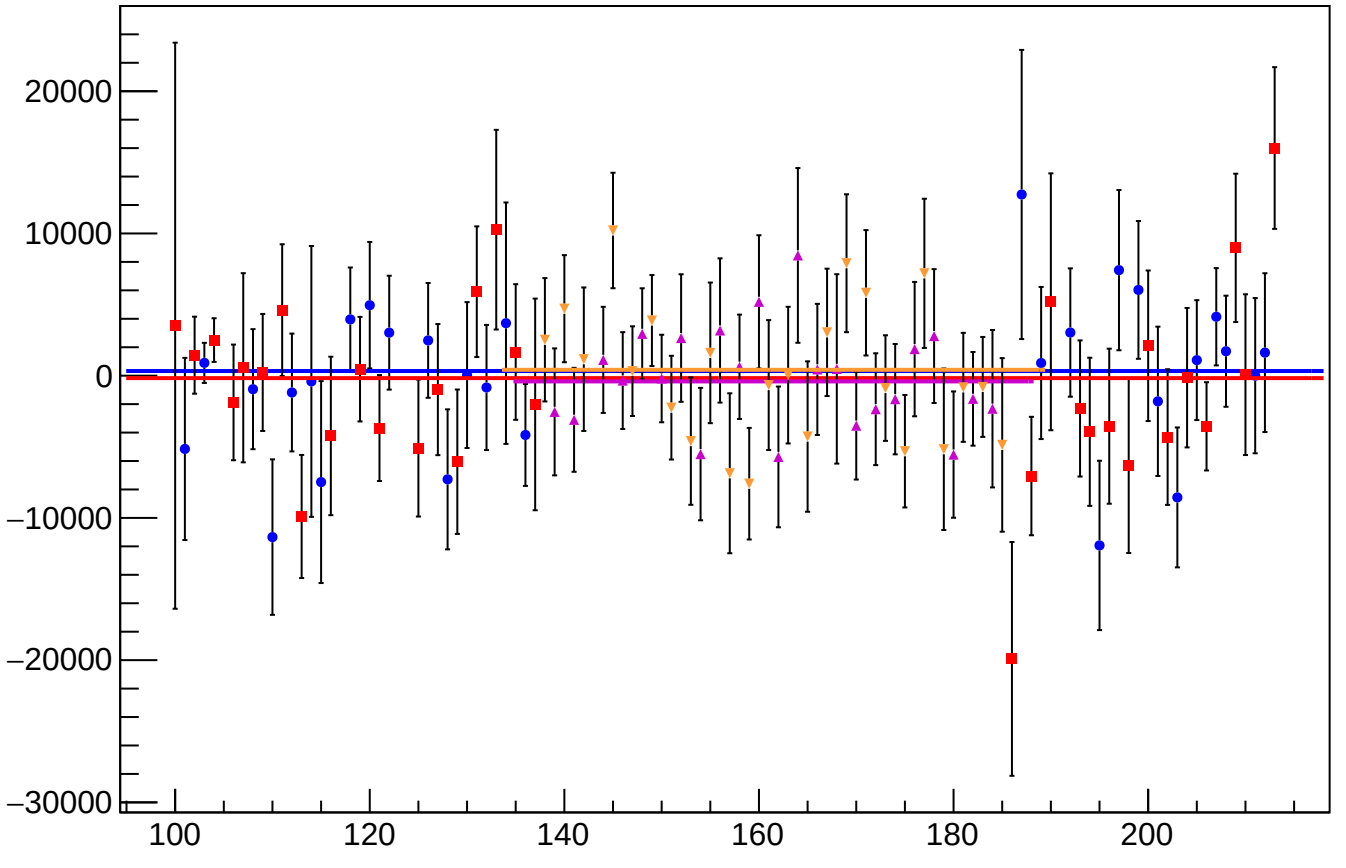
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 2028.919+/-0.298 χ^2/NDF: 24715214.2/60

In: 3108.408+/-0.393 χ^2/NDF:8096098.1/51

Out: 2189.884+/-0.315 χ^2/NDF:25092399.5/55

All: 2548.790+/-0.246 χ^2/NDF: 36512574.4/



Right In: 327.853+/-761.089 χ^2/NDF: 27.9/28

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

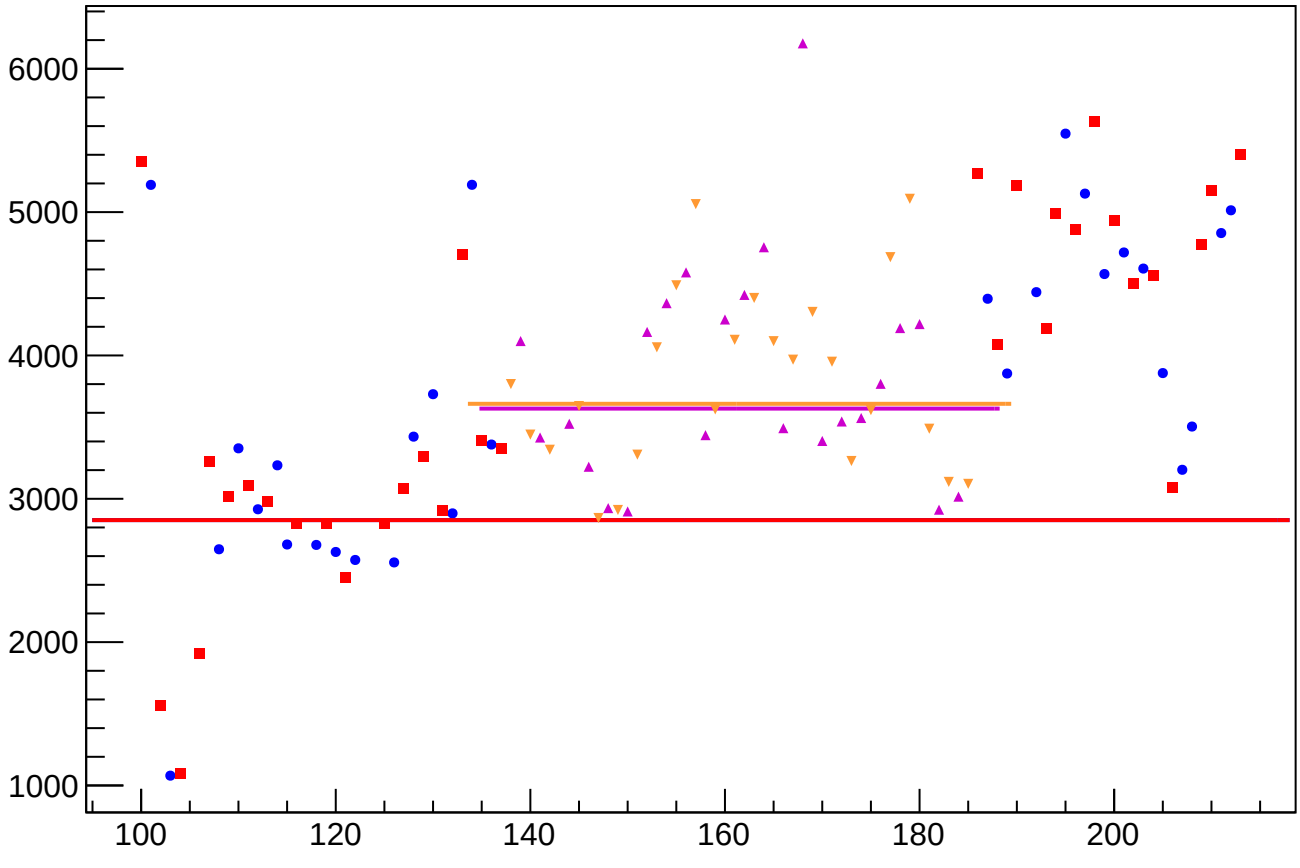
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: 73.779+/-533.042 χ^2/NDF: 70.2/60

In: 7.635+/-570.656 χ^2/NDF:40.6/51

Out: 78.593+/-565.361 χ^2/NDF:69.5/55

All: 43.445+/-401.629 χ^2/NDF: 110.1/107



Right In: 2851.368+/-0.538 χ^2/NDF: 6437735.9/28

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

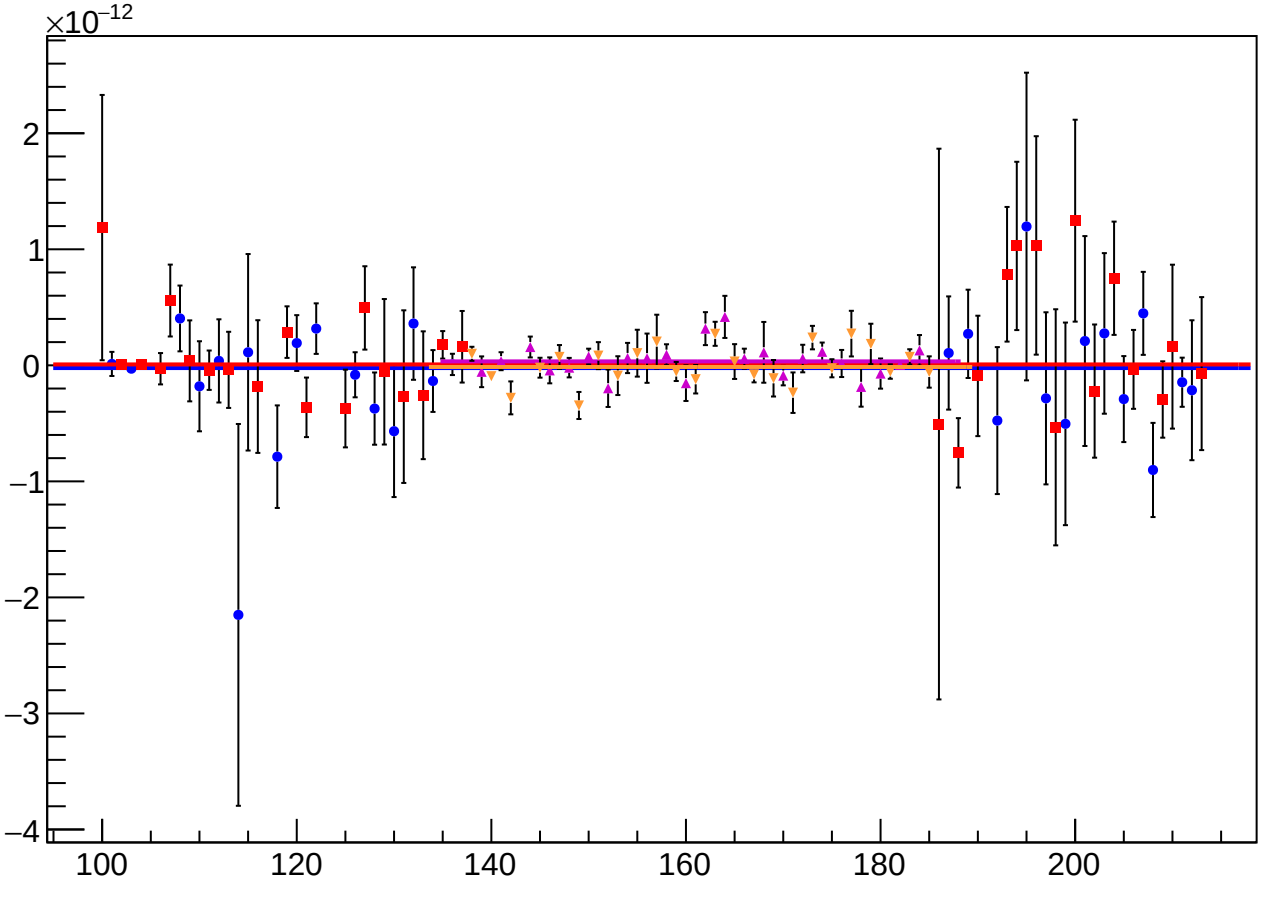
Right: 2851.328+/-0.377 χ^2/NDF: 13408670.6/60

In: 3191.908+/-0.404 χ^2/NDF:8407234.4/51

Out: 3196.973+/-0.399 χ^2/NDF:8873612.6/55

All: 3194.466+/-0.284 χ^2/NDF: 17280926.6/1

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/28

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

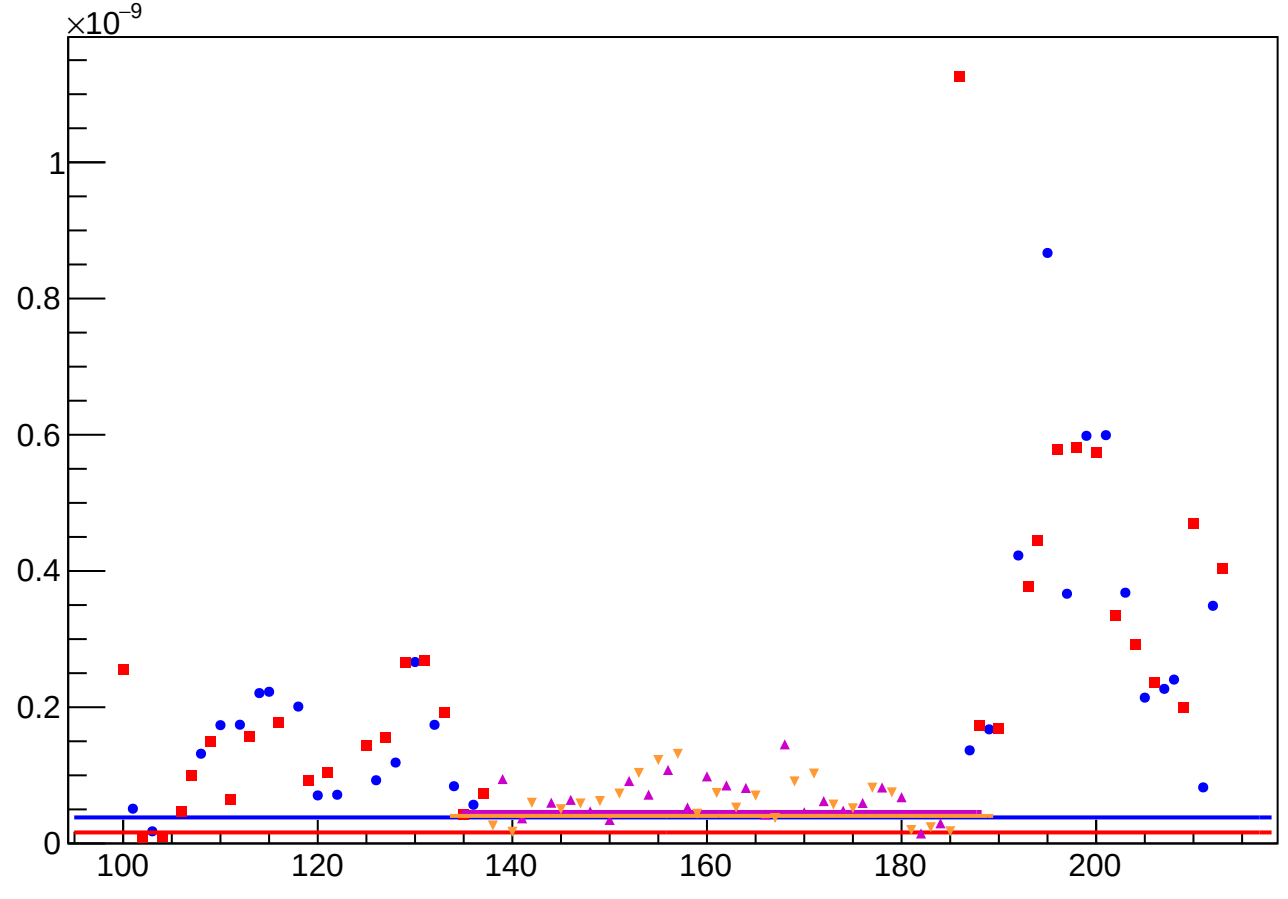
Right: -0.000+/-0.000 χ^2/NDF: 56.2/60

In: 0.000+/-0.000 χ^2/NDF:49.9/51

Out: -0.000+/-0.000 χ^2/NDF:77.4/55

All: 0.000+/-0.000 χ^2/NDF: 127.6/107

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9558149.4/28

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

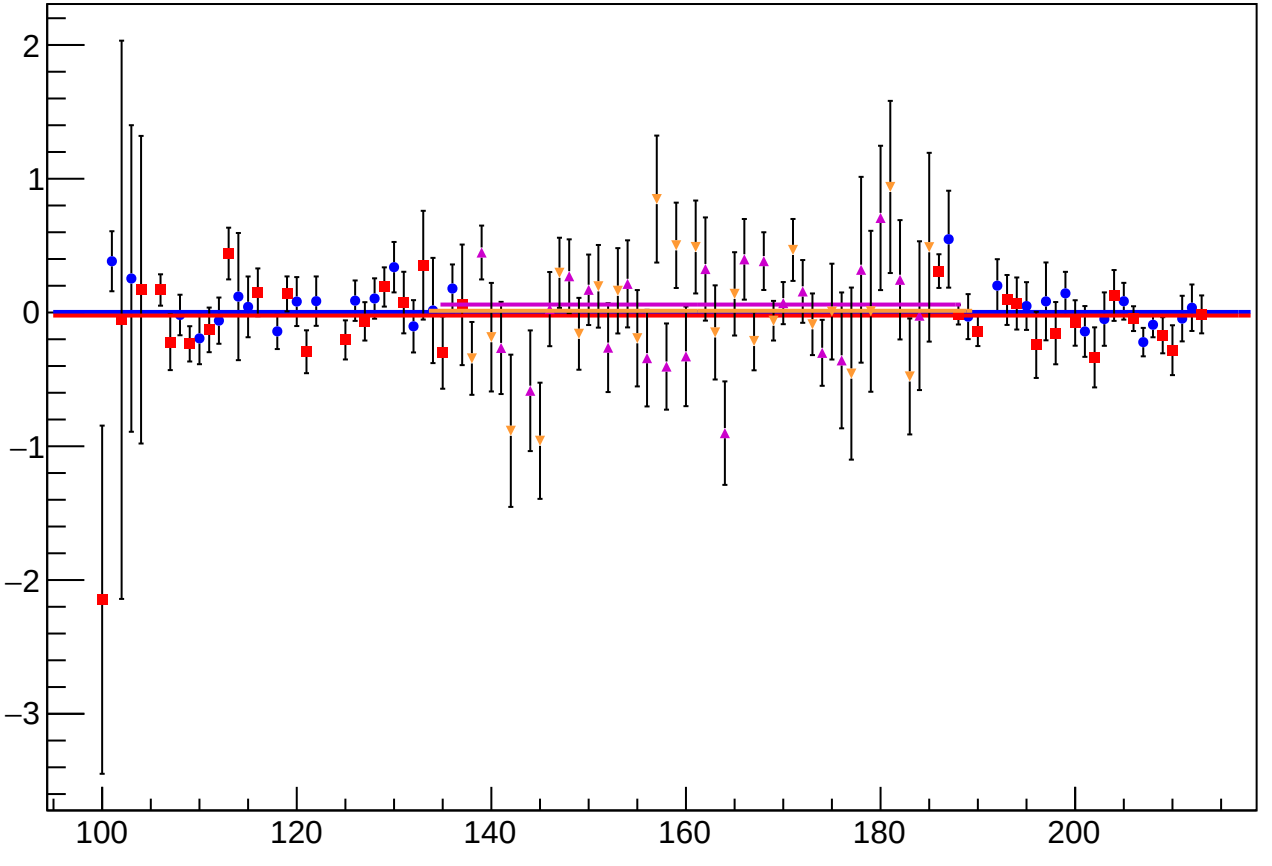
Right: 0.000+/-0.000 χ^2/NDF: 23471609.2/60

In: 0.000+/-0.000 χ^2/NDF:12636164.8/51

Out: 0.000+/-0.000 χ^2/NDF:18271473.0/55

All: 0.000+/-0.000 χ^2/NDF: 32513976.1/107

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.032 χ^2/NDF: 21.8/28

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

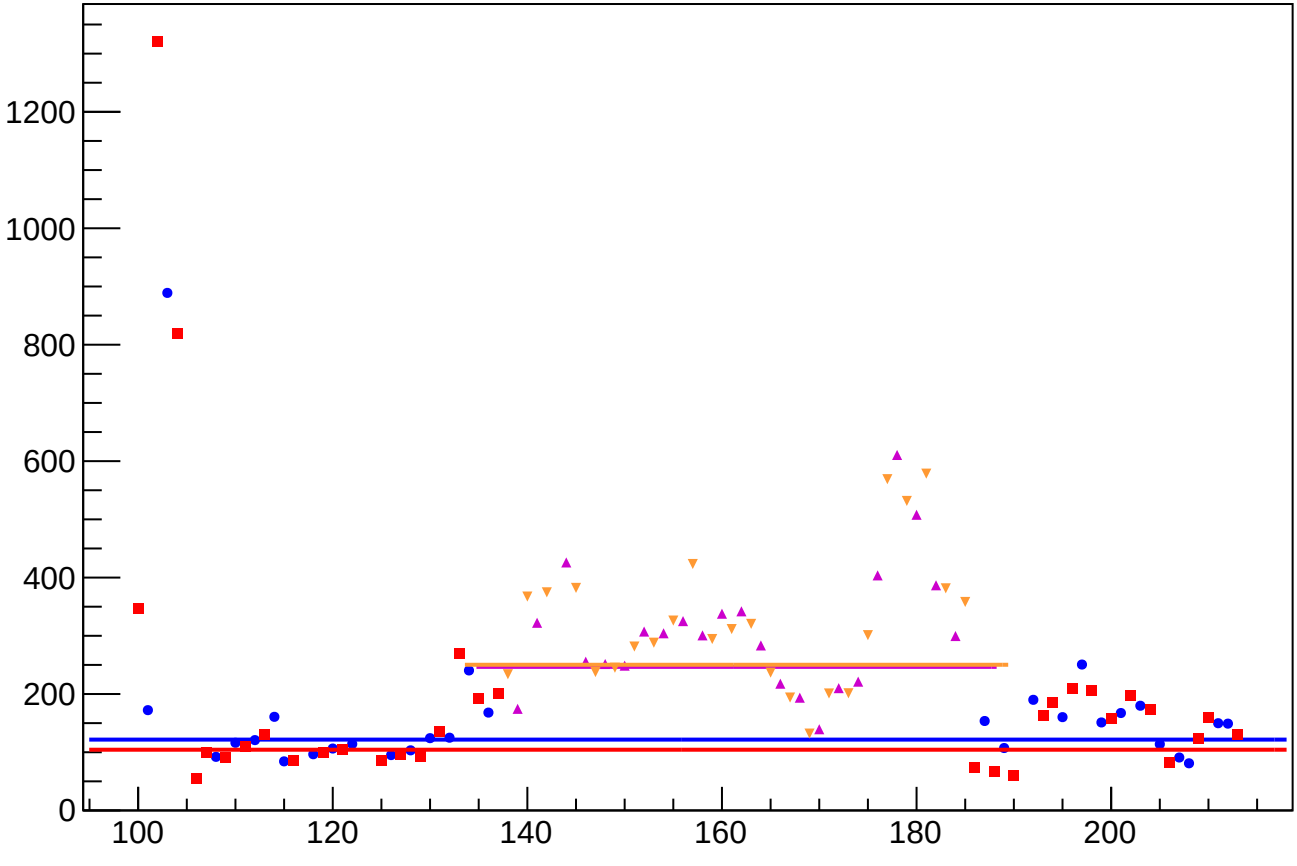
Right: -0.011+/-0.021 χ^2/NDF: 64.0/60

In: 0.016+/-0.029 χ^2/NDF:50.3/51

Out: -0.017+/-0.026 χ^2/NDF:71.4/55

All: -0.002+/-0.019 χ^2/NDF: 122.5/107

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 121.703+/-0.023 χ^2/NDF: 3407307.1/28

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

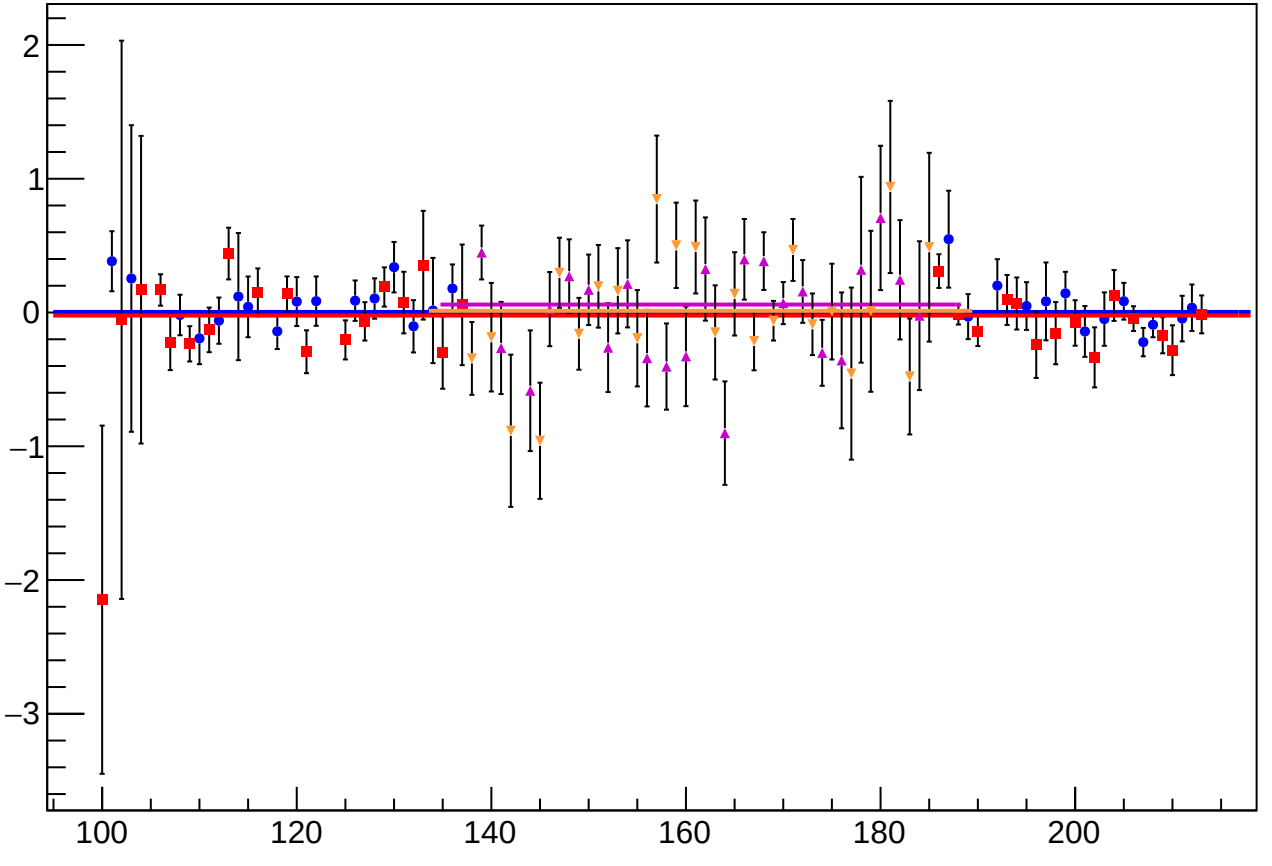
Right: 111.811+/-0.015 χ^2/NDF: 9864534.4/60

In: 148.101+/-0.020 χ^2/NDF:13582451.2/51

Out: 128.295+/-0.018 χ^2/NDF:19442006.9/55

All: 137.115+/-0.013 χ^2/NDF: 33560054.1/10

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.032 χ^2/NDF: 21.8/28

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

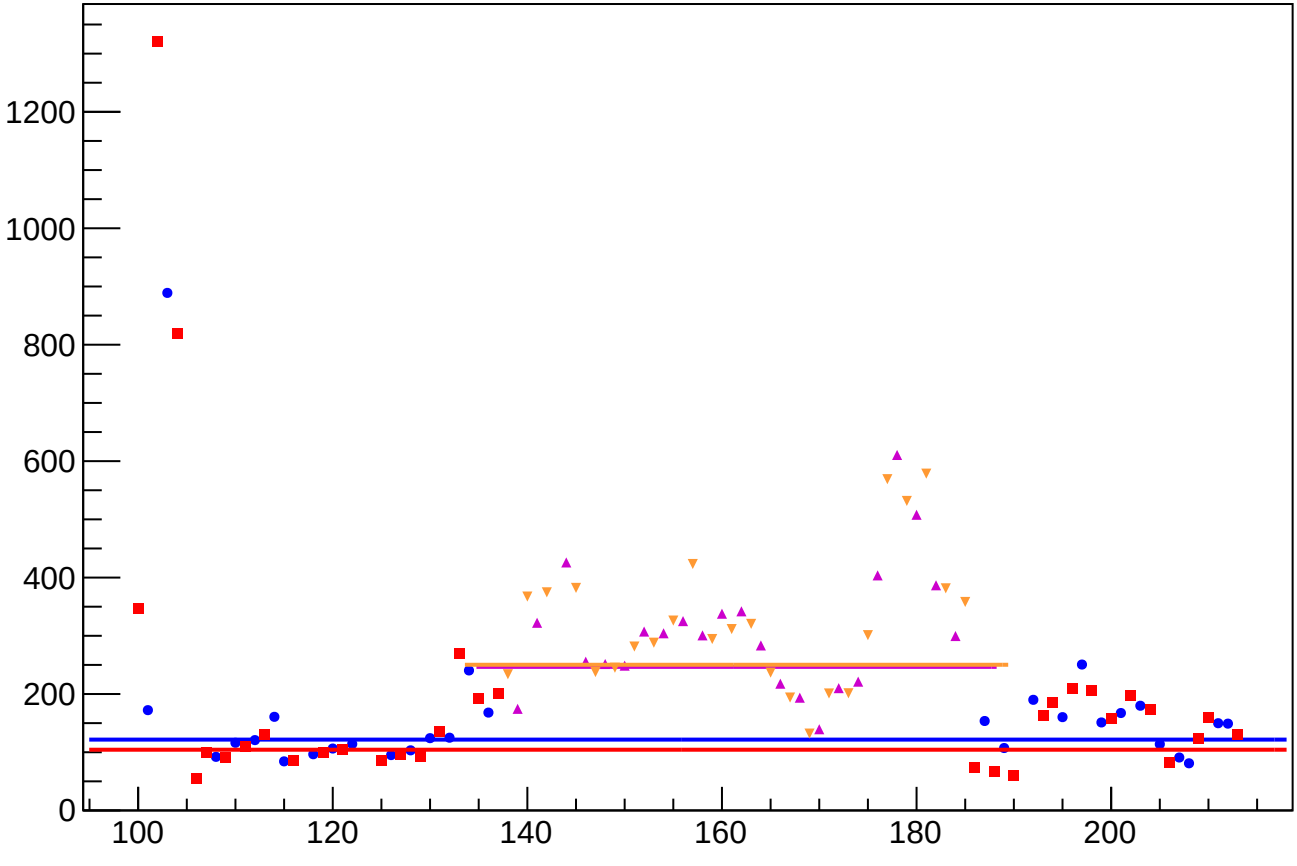
Right: -0.011+/-0.021 χ^2/NDF: 64.0/60

In: 0.016+/-0.029 χ^2/NDF:50.3/51

Out: -0.017+/-0.026 χ^2/NDF:71.4/55

All: -0.002+/-0.019 χ^2/NDF: 122.5/107

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 121.703+/-0.023 χ^2/NDF: 3407307.1/28

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

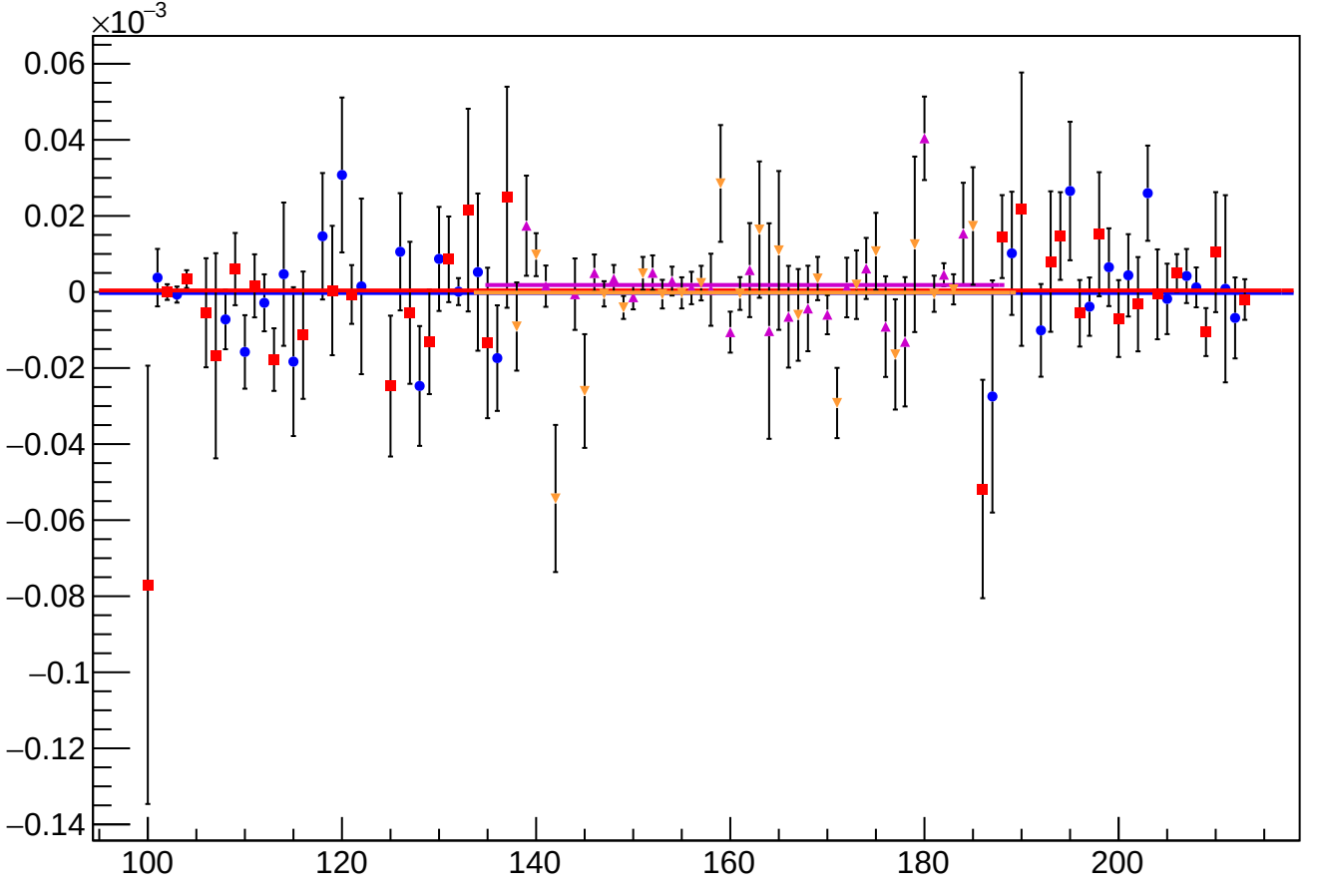
Right: 111.811+/-0.015 χ^2/NDF: 9864534.4/60

In: 148.101+/-0.020 χ^2/NDF:13582451.2/51

Out: 128.295+/-0.018 χ^2/NDF:19442006.9/55

All: 137.115+/-0.013 χ^2/NDF: 33560054.1/10

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/28

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

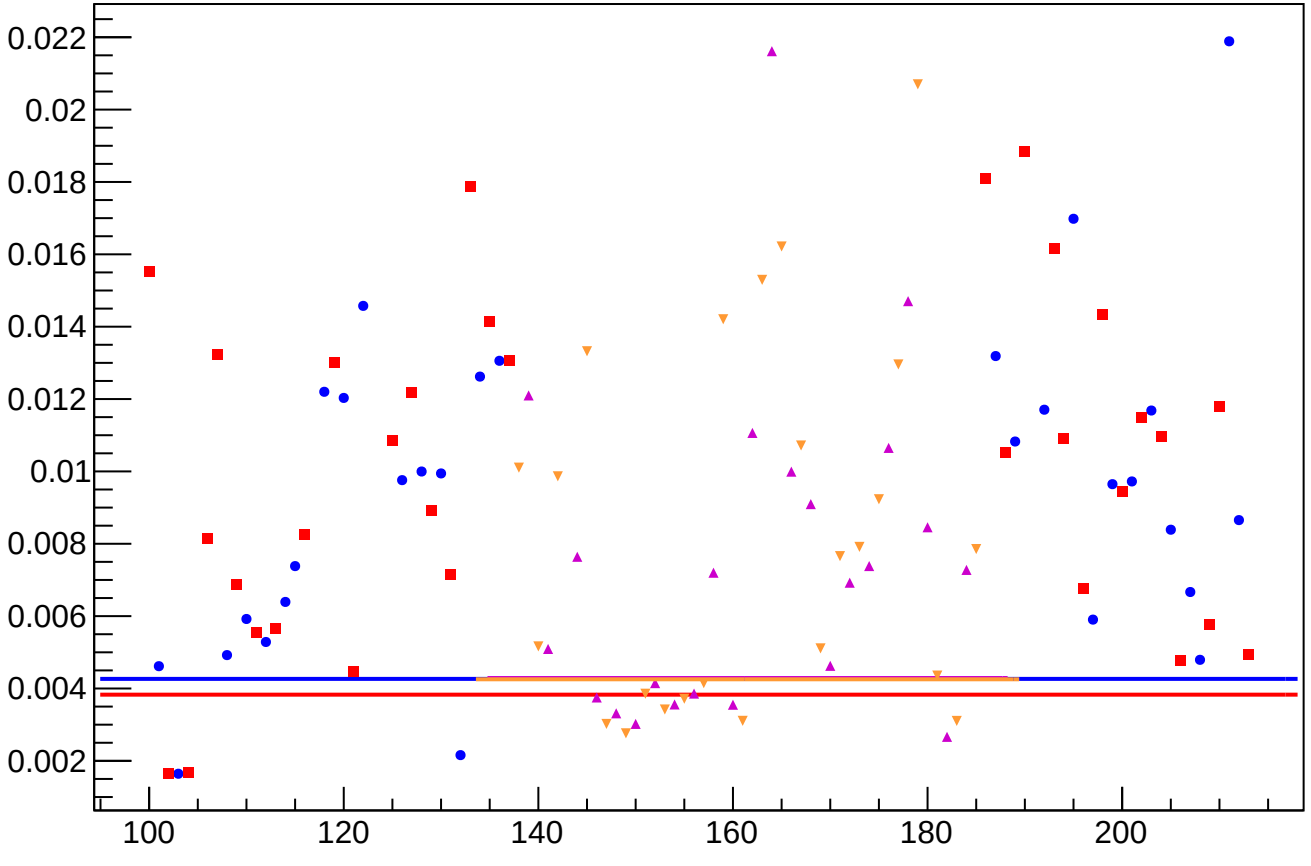
Right: 0.000+/-0.000 χ^2/NDF: 51.6/60

In: 0.000+/-0.000 χ^2/NDF:52.5/51

Out: 0.000+/-0.000 χ^2/NDF:65.8/55

All: 0.000+/-0.000 χ^2/NDF: 118.7/107

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: 13195597.9/28

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

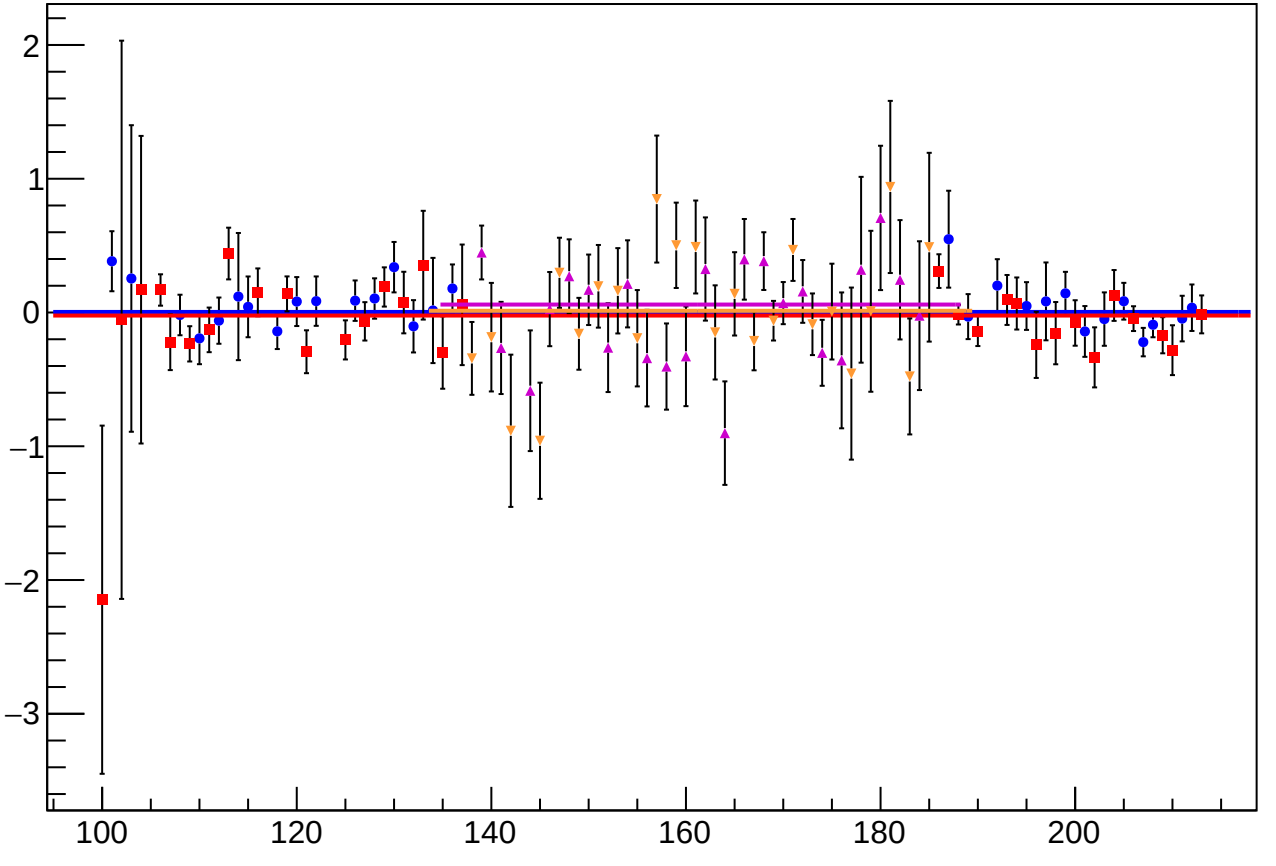
Right: 0.004+/-0.000 χ^2/NDF: 28541824.1/60

In: 0.004+/-0.000 χ^2/NDF:19794561.1/51

Out: 0.004+/-0.000 χ^2/NDF:23852239.2/55

All: 0.004+/-0.000 χ^2/NDF: 43716314.5/107

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.032 χ^2/NDF: 21.8/28

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

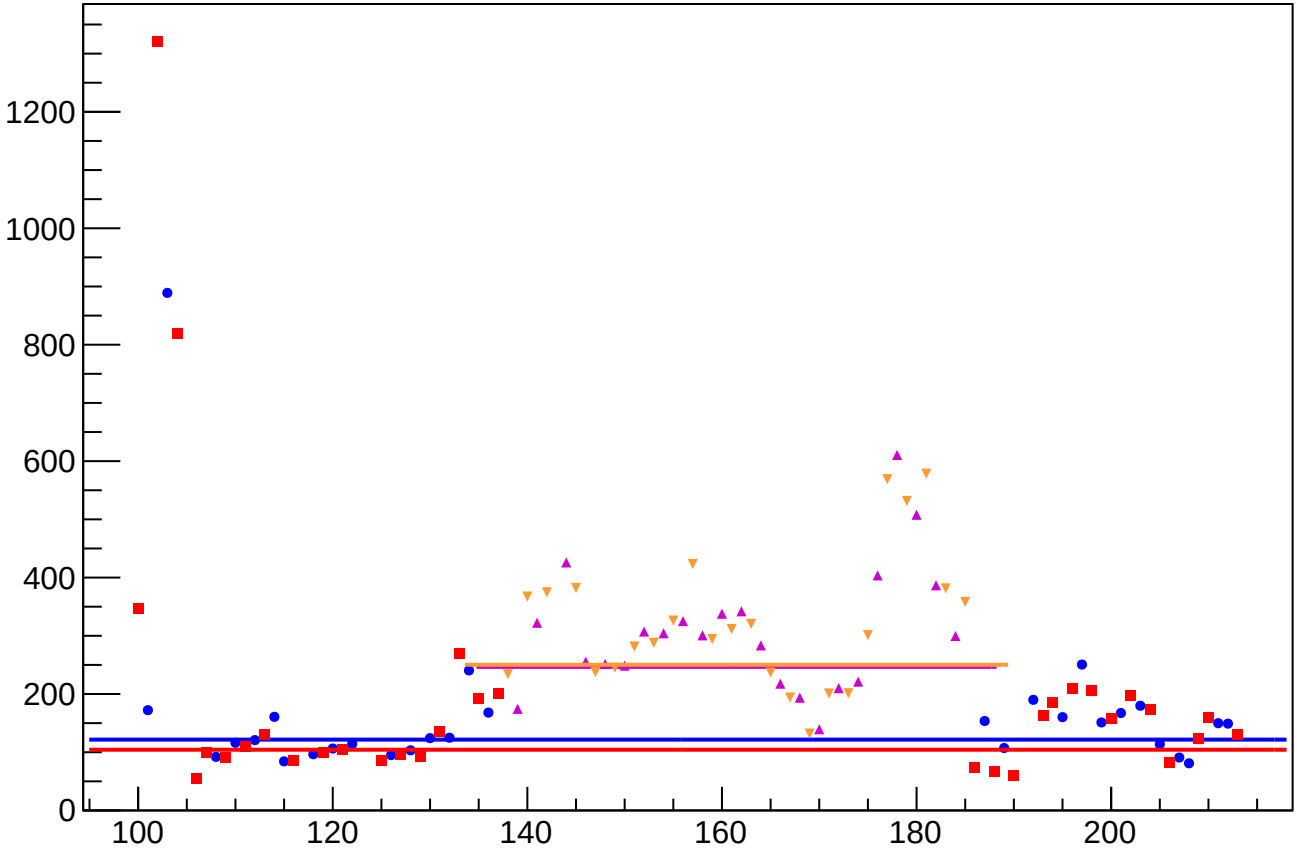
Right: -0.011+/-0.021 χ^2/NDF: 64.0/60

In: 0.016+/-0.029 χ^2/NDF:50.3/51

Out: -0.017+/-0.026 χ^2/NDF:71.4/55

All: -0.002+/-0.019 χ^2/NDF: 122.5/107

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 121.701+/-0.023 χ^2/NDF: 3407389.8/28

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

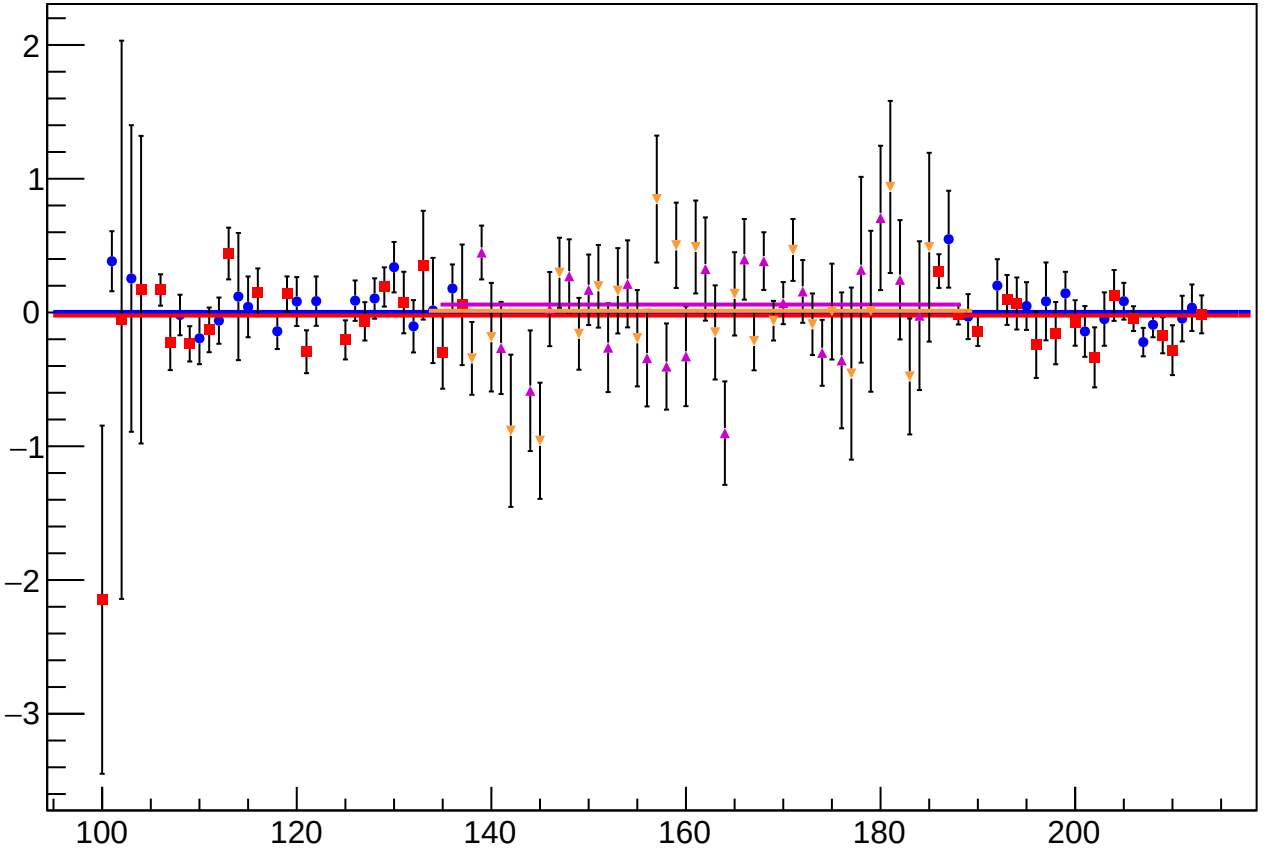
Right: 111.808+/-0.015 χ^2/NDF: 9865316.1/60

In: 148.100+/-0.020 χ^2/NDF:13582827.5/51

Out: 128.290+/-0.018 χ^2/NDF:19443314.3/55

All: 137.112+/-0.013 χ^2/NDF: 33561935.2/10

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.032 χ^2/NDF: 21.8/28

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

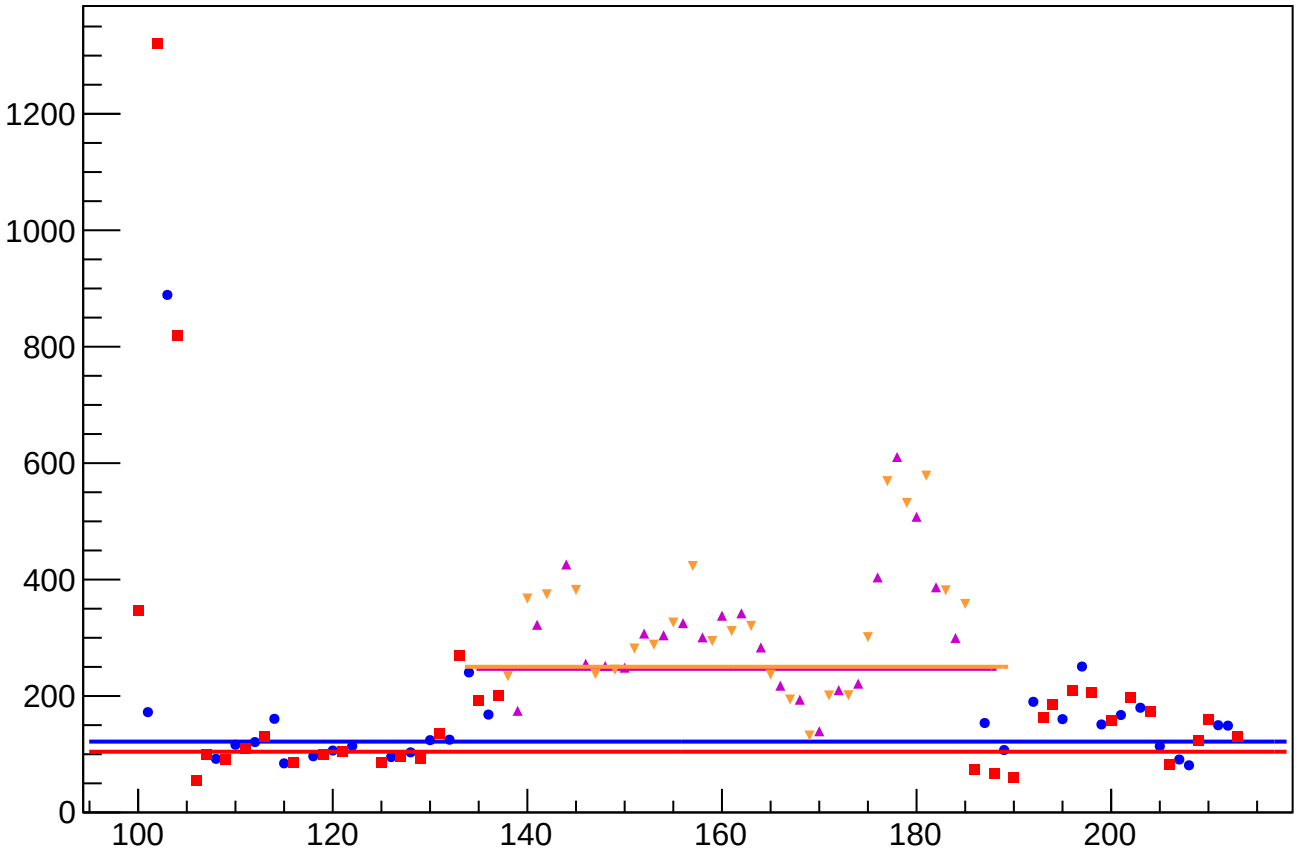
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.011+/-0.021 χ^2/NDF: 64.0/60

In: 0.016+/-0.029 χ^2/NDF:50.3/51

Out: -0.017+/-0.026 χ^2/NDF:71.4/55

All: -0.002+/-0.019 χ^2/NDF: 122.5/107



Right In: 121.701+/-0.023 χ^2/NDF: 3407389.8/28

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

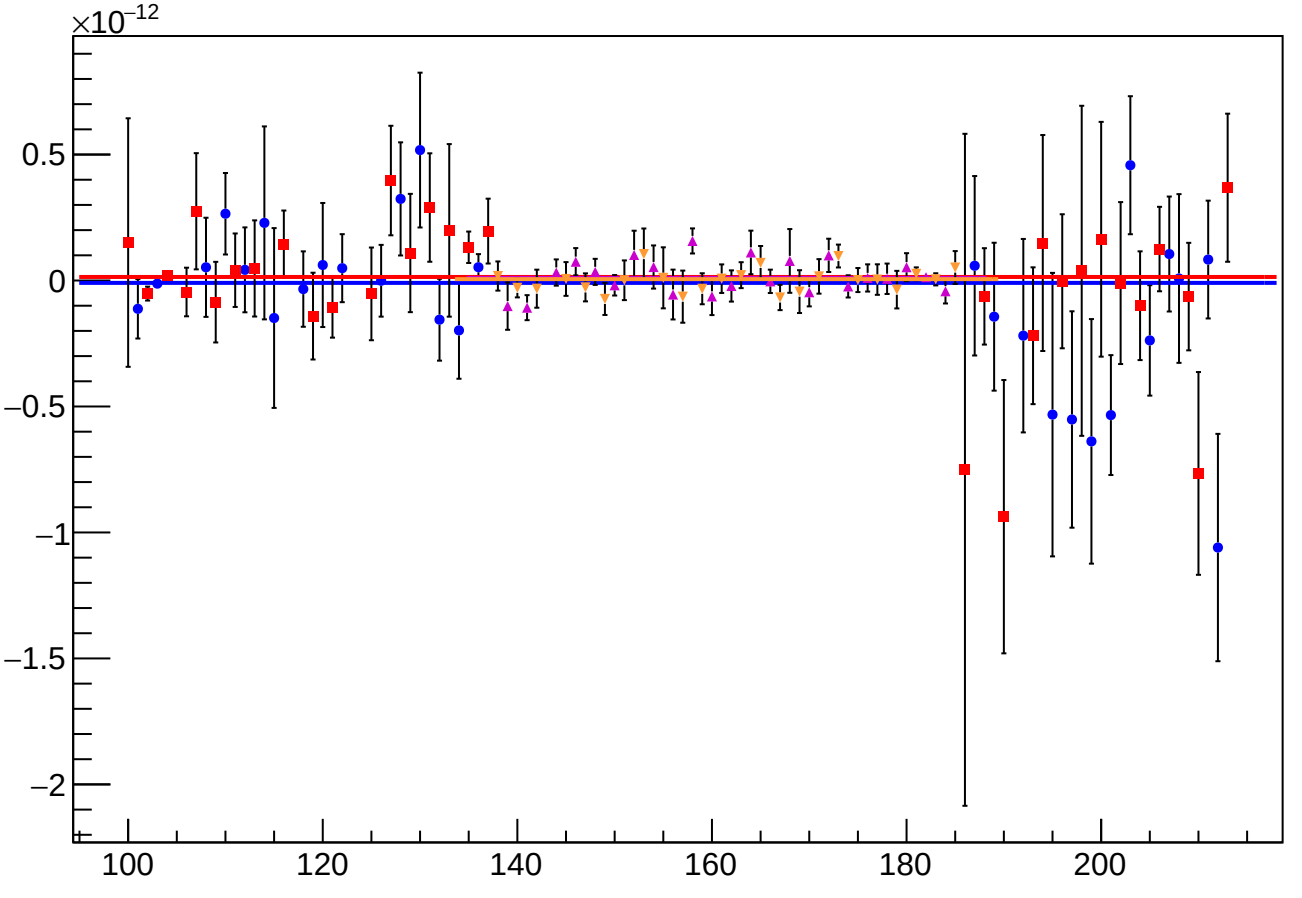
Right: 111.808+/-0.015 χ^2/NDF: 9865316.1/60

In: 148.100+/-0.020 χ^2/NDF:13582827.5/51

Out: 128.290+/-0.018 χ^2/NDF:19443314.3/55

All: 137.112+/-0.013 χ^2/NDF: 33561935.2/10

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 32.4/28

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

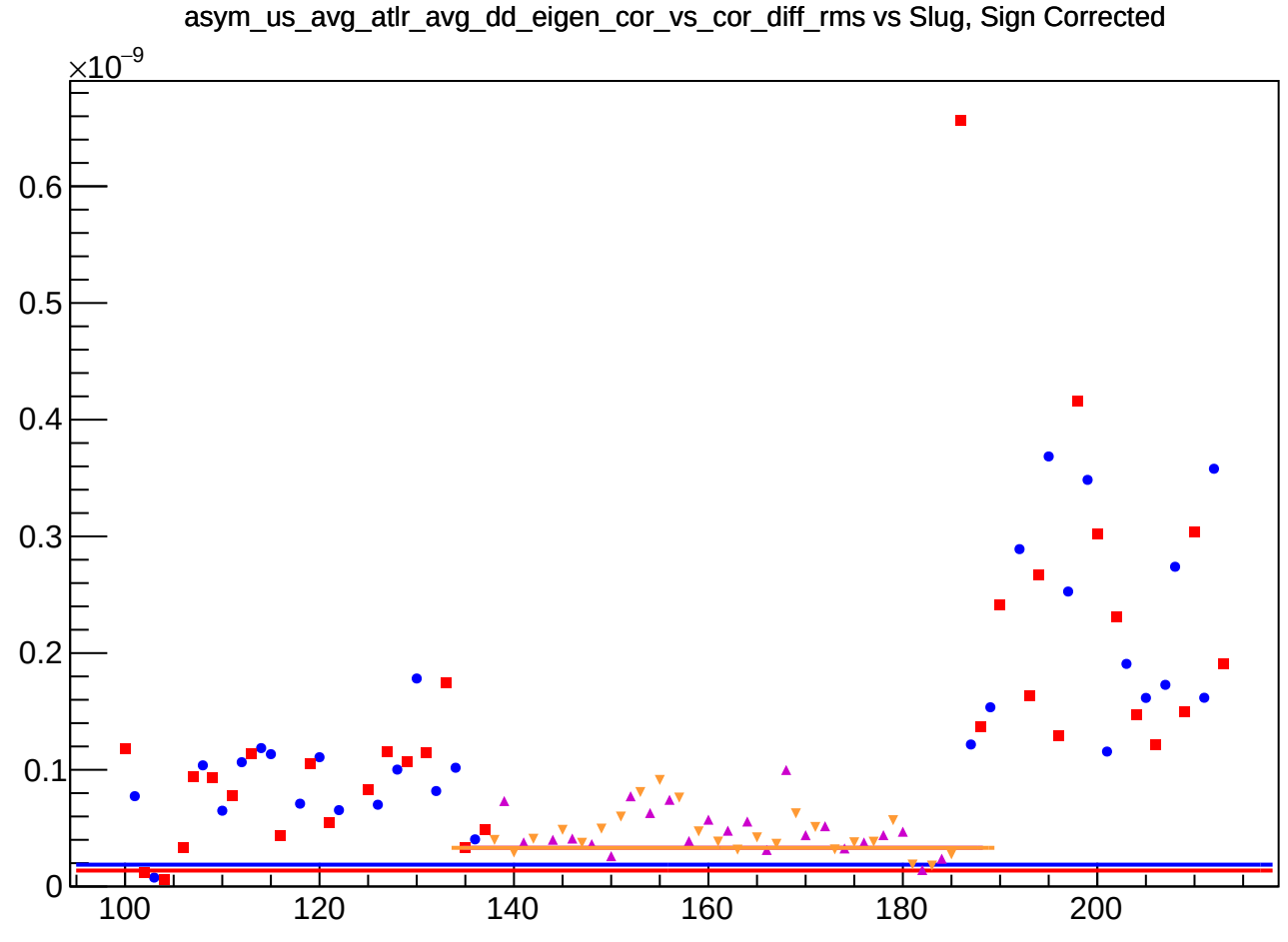
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

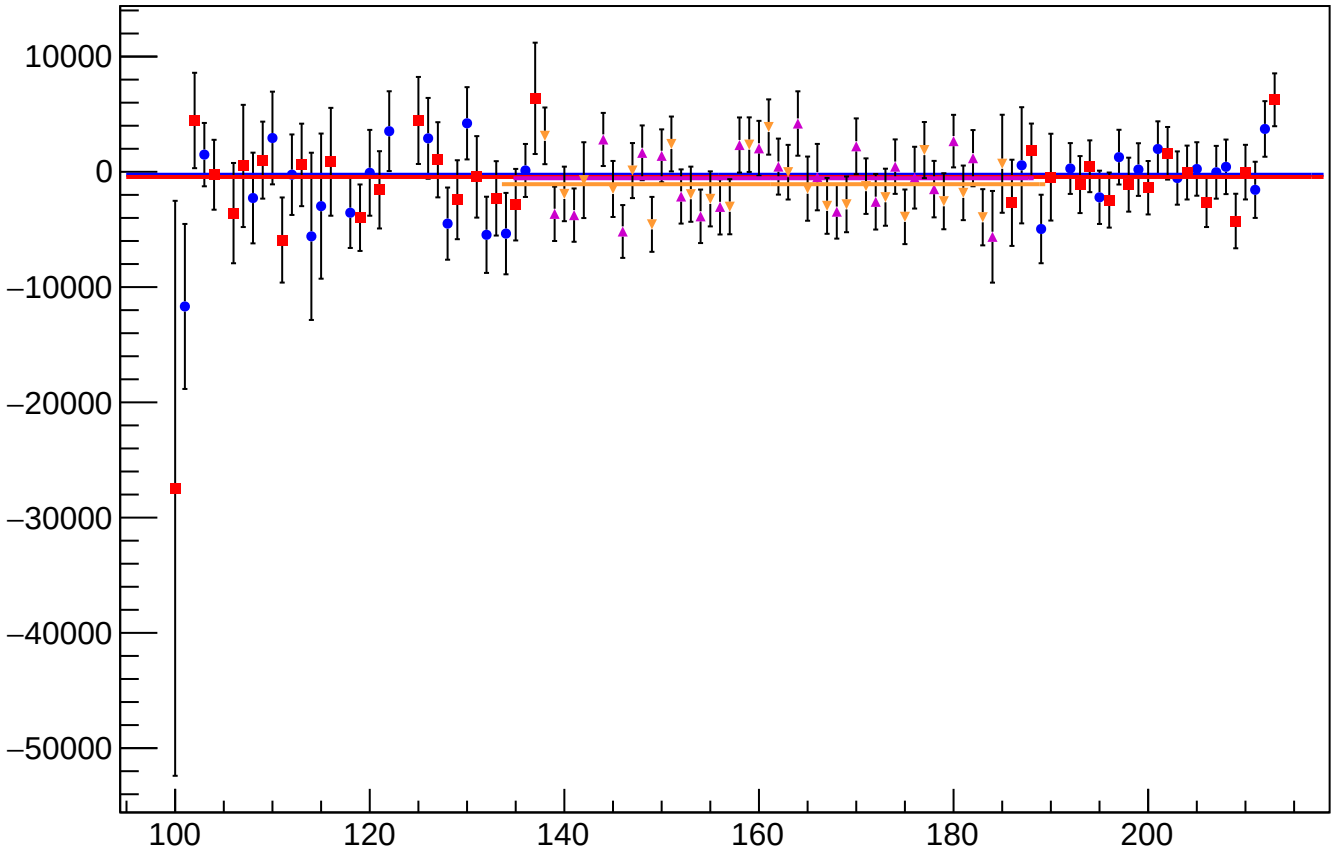
Right: 0.000+/-0.000 χ^2/NDF: 67.2/60

In: 0.000+/-0.000 χ^2/NDF:61.9/51

Out: 0.000+/-0.000 χ^2/NDF:46.7/55

All: 0.000+/-0.000 χ^2/NDF: 109.1/107


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15875208.8/28
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 15950034.9/31
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
Left: 0.000+/-0.000 χ²/NDF: 9043794.9/46
Right: 0.000+/-0.000 χ²/NDF: 32029273.9/60
In: 0.000+/-0.000 χ²/NDF:22499493.6/51
Out: 0.000+/-0.000 χ²/NDF:23668156.5/55
All: 0.000+/-0.000 χ²/NDF: 46499314.7/107



Right In: -253.854+/-535.765 χ^2/NDF: 24.0/28

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

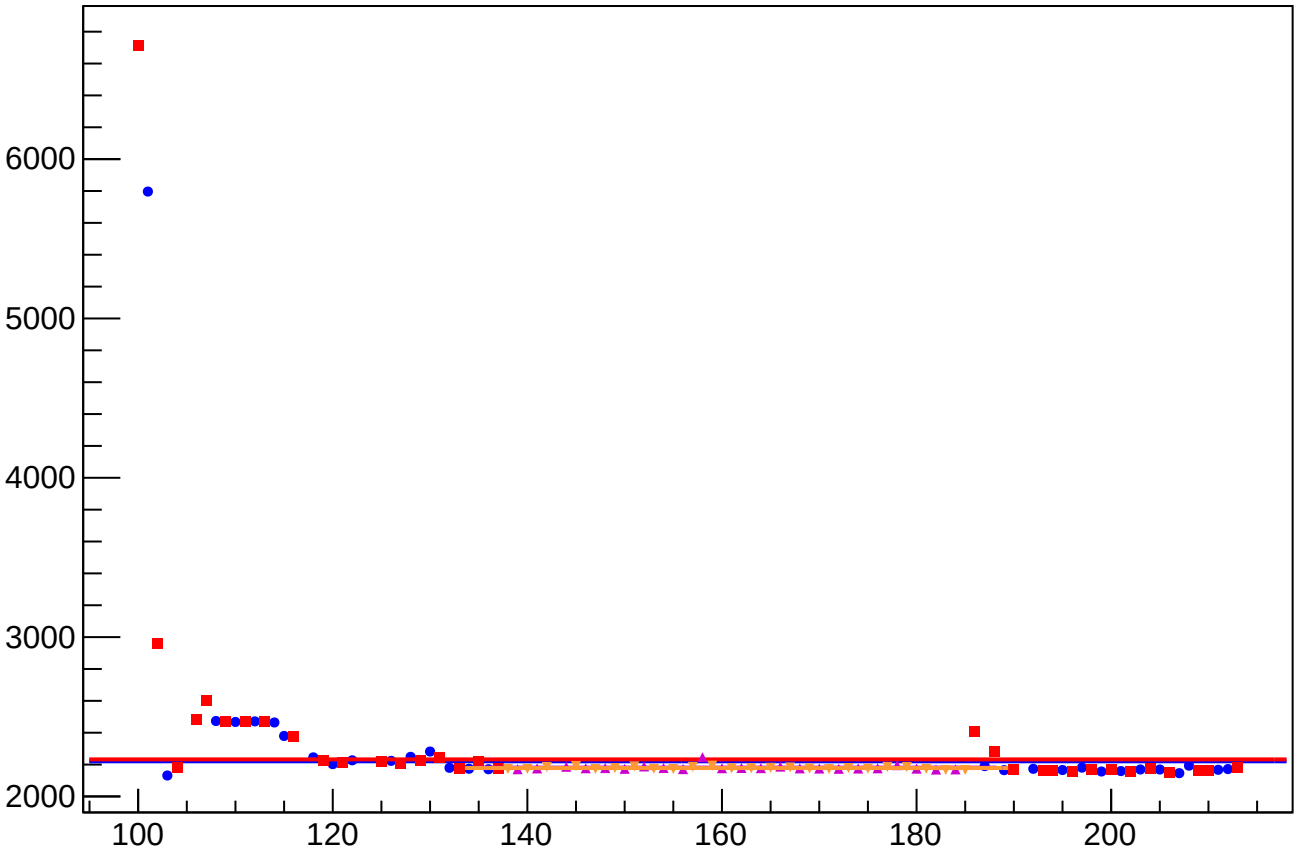
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -352.756+/-373.180 χ^2/NDF: 52.1/60

In: -413.154+/-369.096 χ^2/NDF:52.9/51

Out: -768.308+/-362.505 χ^2/NDF:50.3/55

All: -593.930+/-258.629 χ^2/NDF: 103.7/107



Right In: 2220.574+/-0.379 χ^2/NDF: 545978.0/28

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

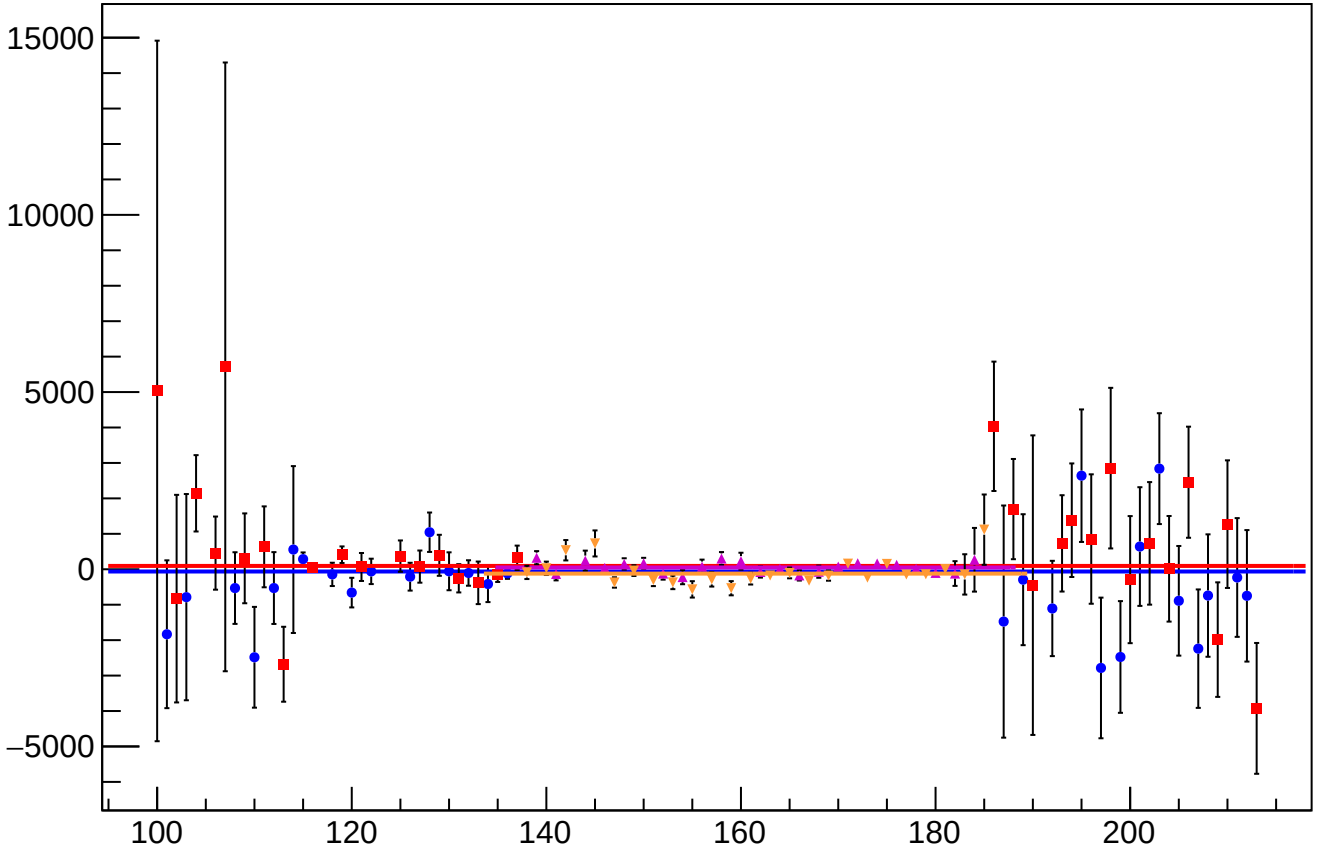
Right: 2226.708+/-0.264 χ^2/NDF: 744509.7/60

In: 2199.739+/-0.261 χ^2/NDF:553601.0/51

Out: 2204.596+/-0.256 χ^2/NDF:209597.9/55

All: 2202.211+/-0.183 χ^2/NDF: 763375.1/107

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -63.136+/-89.303 χ^2/NDF: 27.4/28

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

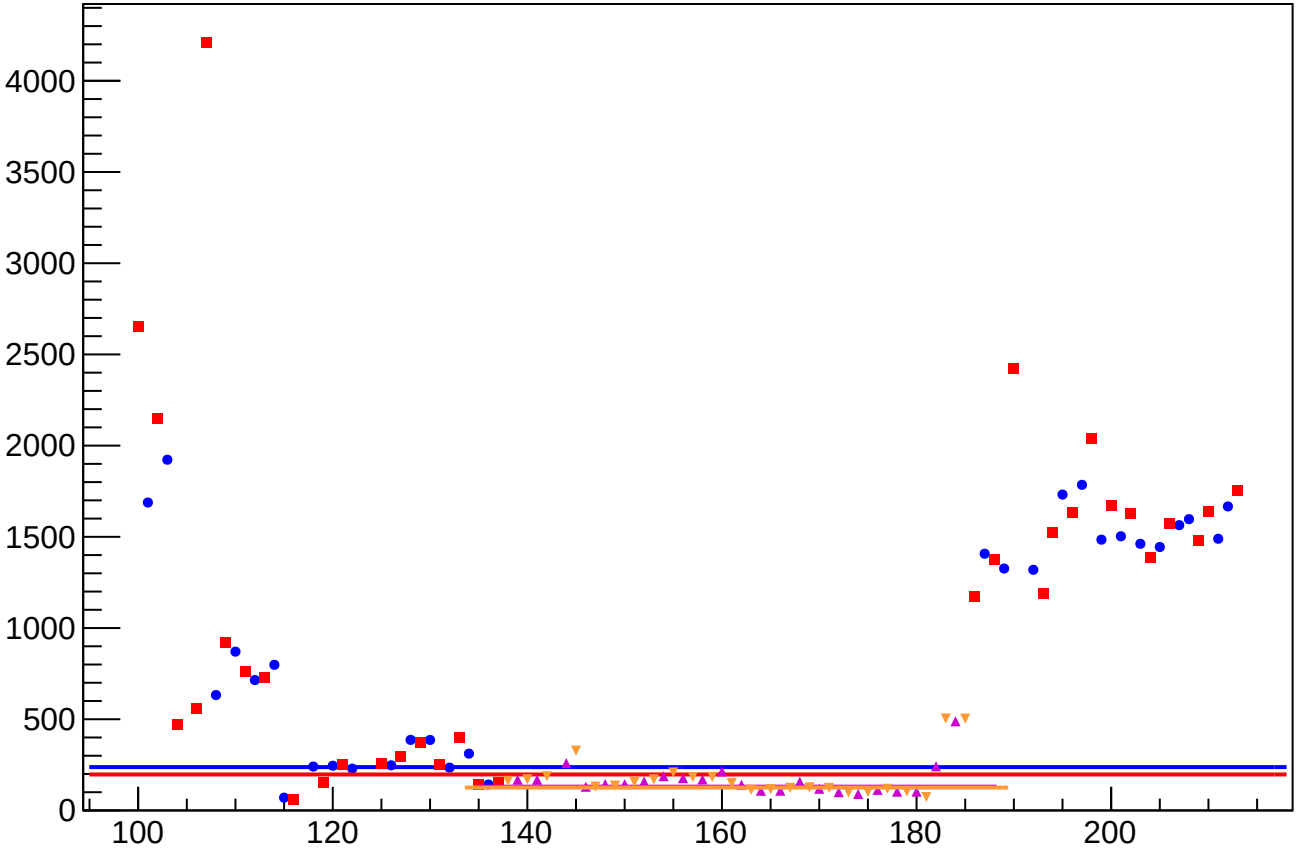
Right: 23.194+/-60.030 χ^2/NDF: 64.6/60

In: 37.015+/-30.578 χ^2/NDF:47.1/51

Out: -94.647+/-29.288 χ^2/NDF:85.5/55

All: -31.652+/-21.151 χ^2/NDF: 142.3/107

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 237.637+/-0.063 χ^2/NDF: 19957468.6/28

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

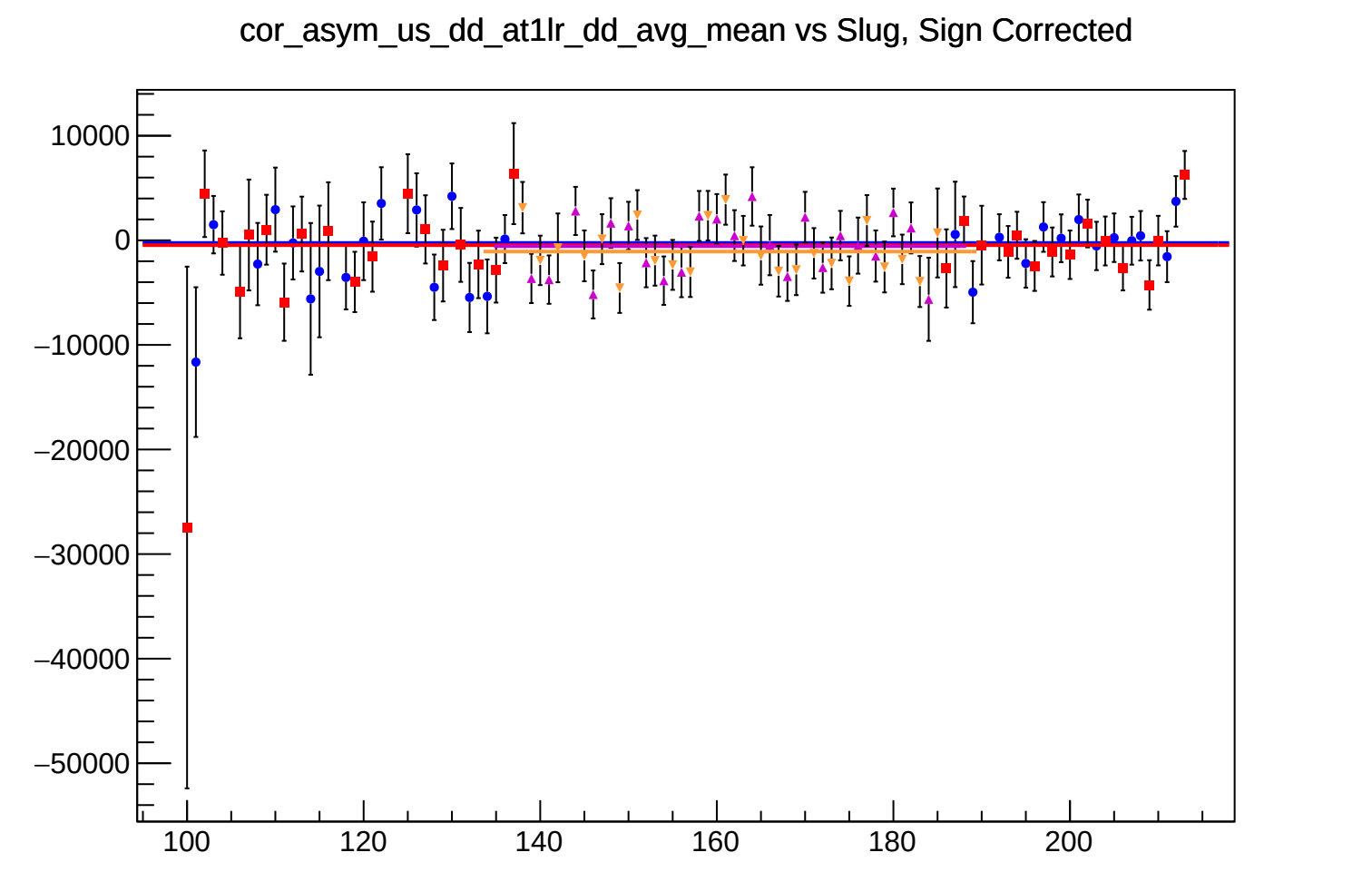
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 215.504+/-0.042 χ^2/NDF: 43876338.4/60

In: 143.004+/-0.022 χ^2/NDF:25181267.4/51

Out: 134.868+/-0.021 χ^2/NDF:28999387.8/55

All: 138.761+/-0.015 χ^2/NDF: 54254510.4/10



Right In: -253.409+/-535.765 χ^2/NDF: 24.0/28

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

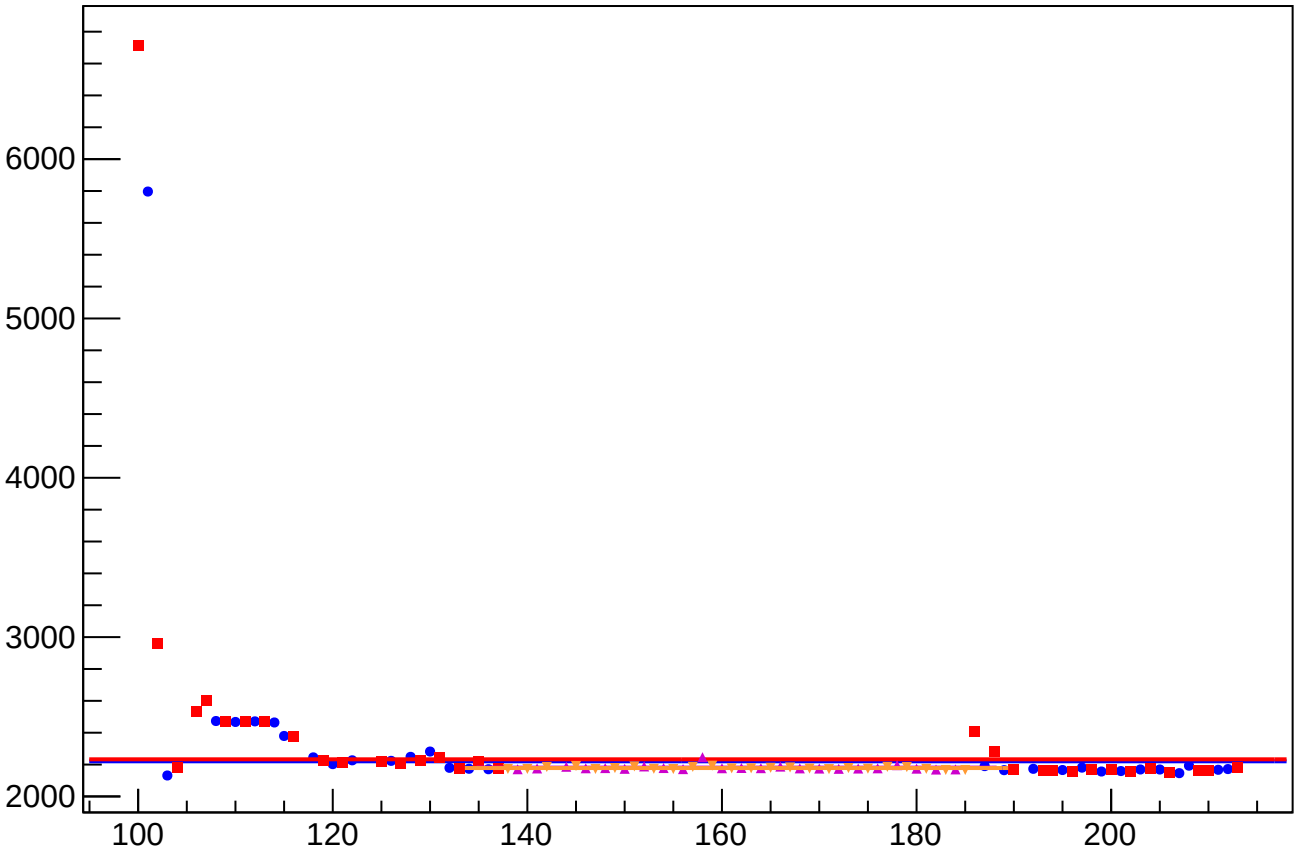
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -361.093+/-373.237 χ^2/NDF: 52.6/60

In: -412.957+/-369.096 χ^2/NDF:52.8/51

Out: -776.464+/-362.557 χ^2/NDF:50.8/55

All: -597.958+/-258.648 χ^2/NDF: 104.1/107



Right In: 2220.574+/-0.379 χ^2/NDF: 545978.3/28

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

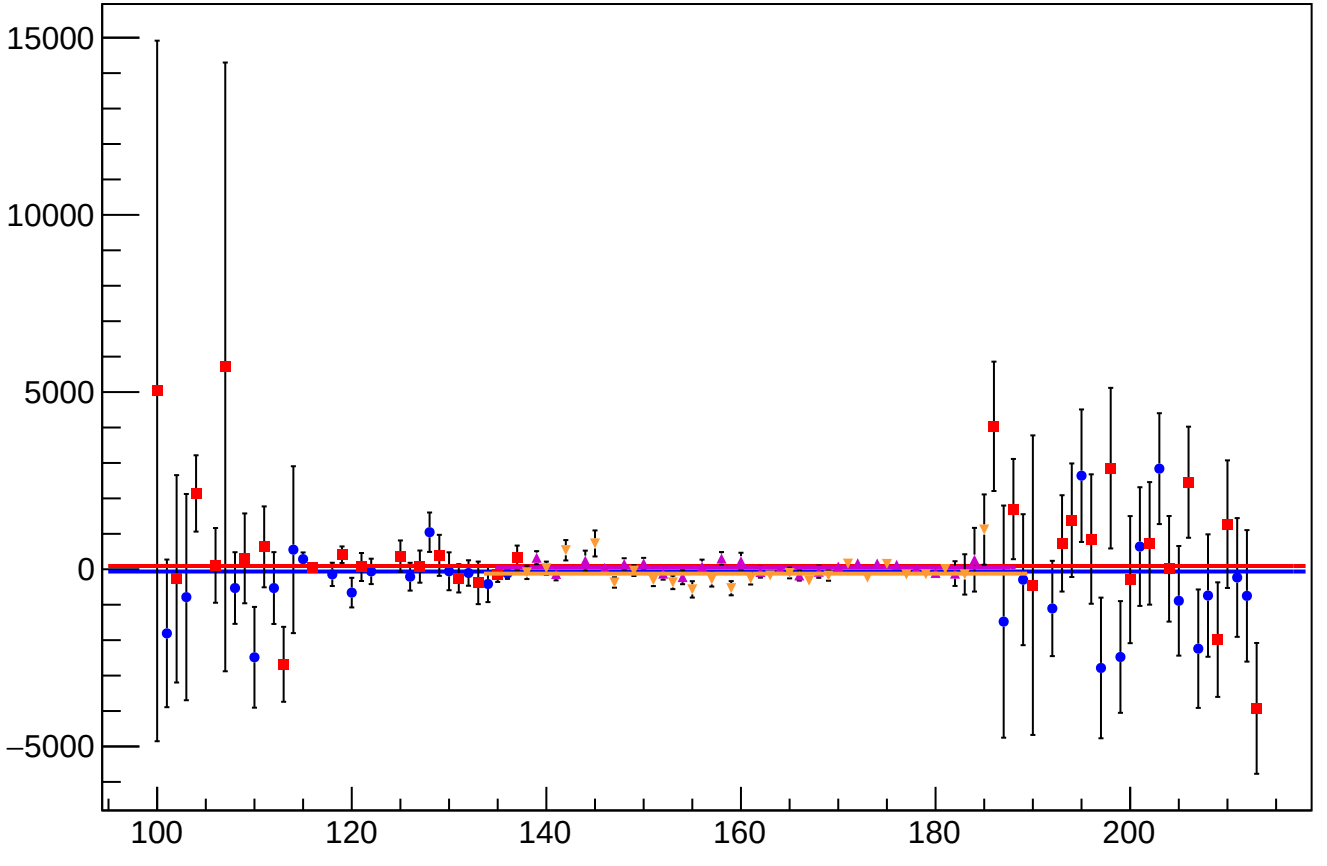
Right: 2226.987+/-0.264 χ^2/NDF: 747120.5/60

In: 2199.739+/-0.261 χ^2/NDF:553601.3/51

Out: 2204.853+/-0.256 χ^2/NDF:212383.6/55

All: 2202.342+/-0.183 χ^2/NDF: 766180.3/107

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -63.170+/-89.308 χ^2/NDF: 27.4/28

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

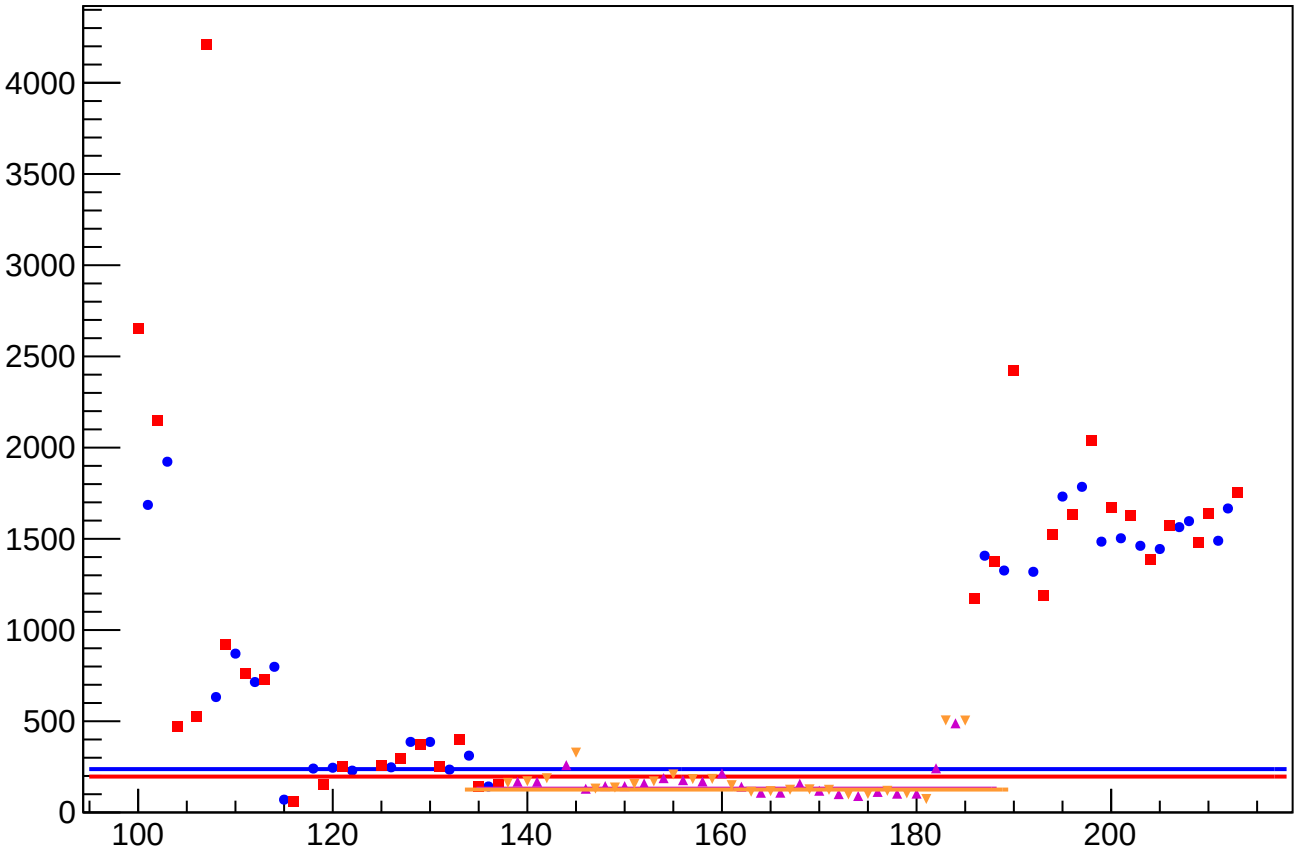
Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

Right: 22.162+/-60.008 χ^2/NDF: 64.3/60

In: 36.916+/-30.580 χ^2/NDF:47.1/51

Out: -94.799+/-29.285 χ^2/NDF:85.2/55

All: -31.791+/-21.151 χ^2/NDF: 141.9/107



Right In: 237.666+/-0.063 χ^2/NDF: 19955761.6/28

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

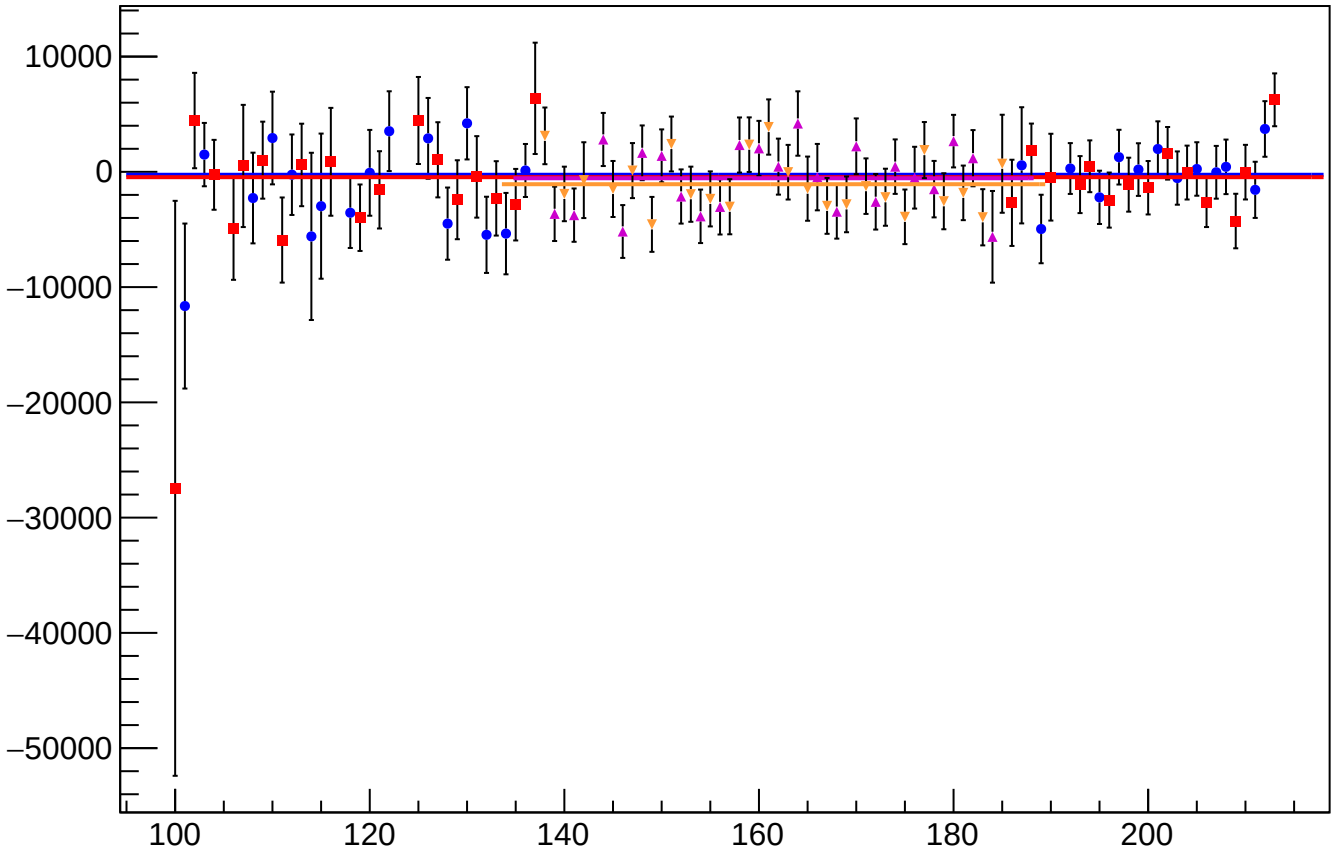
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 215.172+/-0.042 χ^2/NDF: 43850883.2/60

In: 143.022+/-0.022 χ^2/NDF:25179580.1/51

Out: 134.798+/-0.021 χ^2/NDF:28948453.8/55

All: 138.732+/-0.015 χ^2/NDF: 54203477.5/10



Right In: -253.409+/-535.765 χ^2/NDF: 24.0/28

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

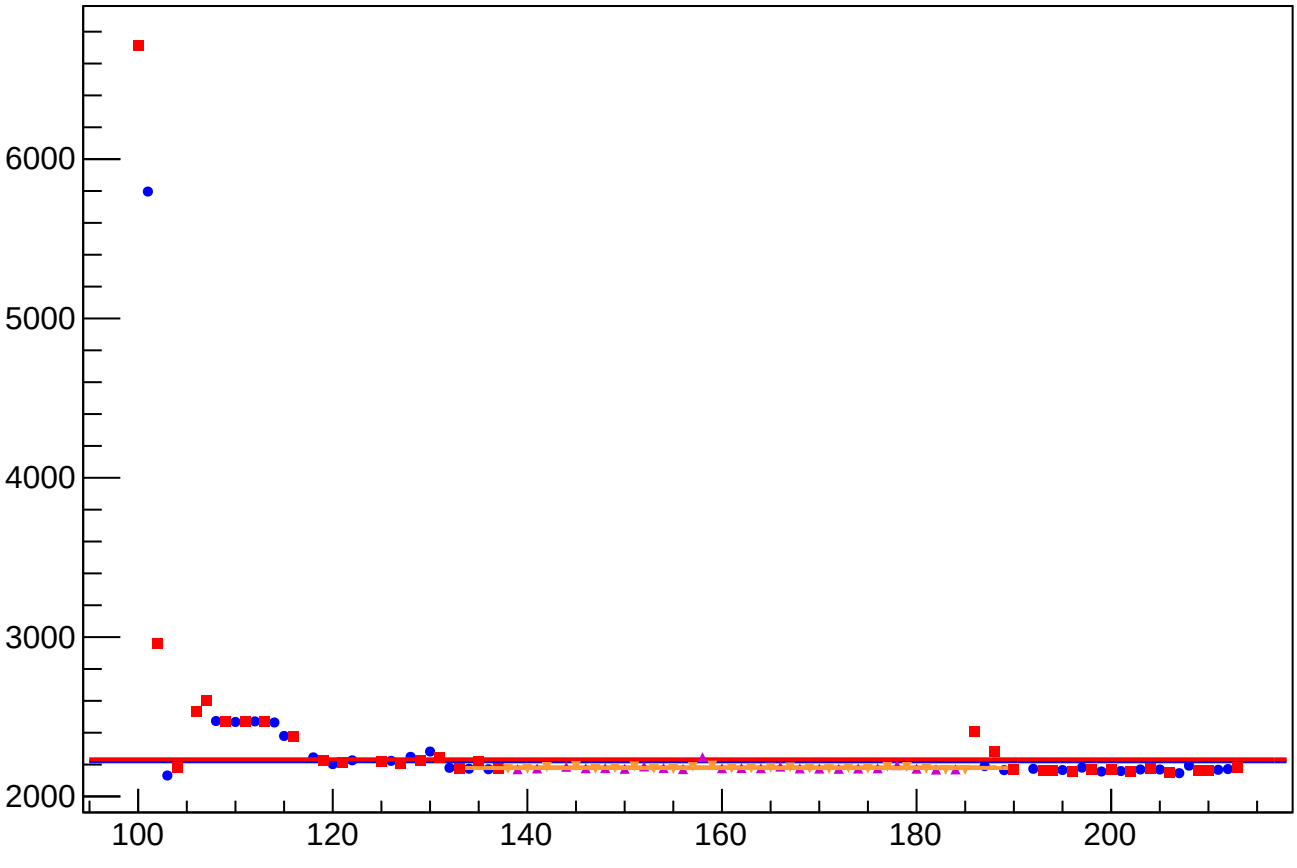
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -361.093+/-373.237 χ^2/NDF: 52.6/60

In: -412.957+/-369.096 χ^2/NDF:52.8/51

Out: -776.464+/-362.557 χ^2/NDF:50.8/55

All: -597.958+/-258.648 χ^2/NDF: 104.1/107



Right In: 2220.574+/-0.379 χ^2/NDF: 545978.3/28

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

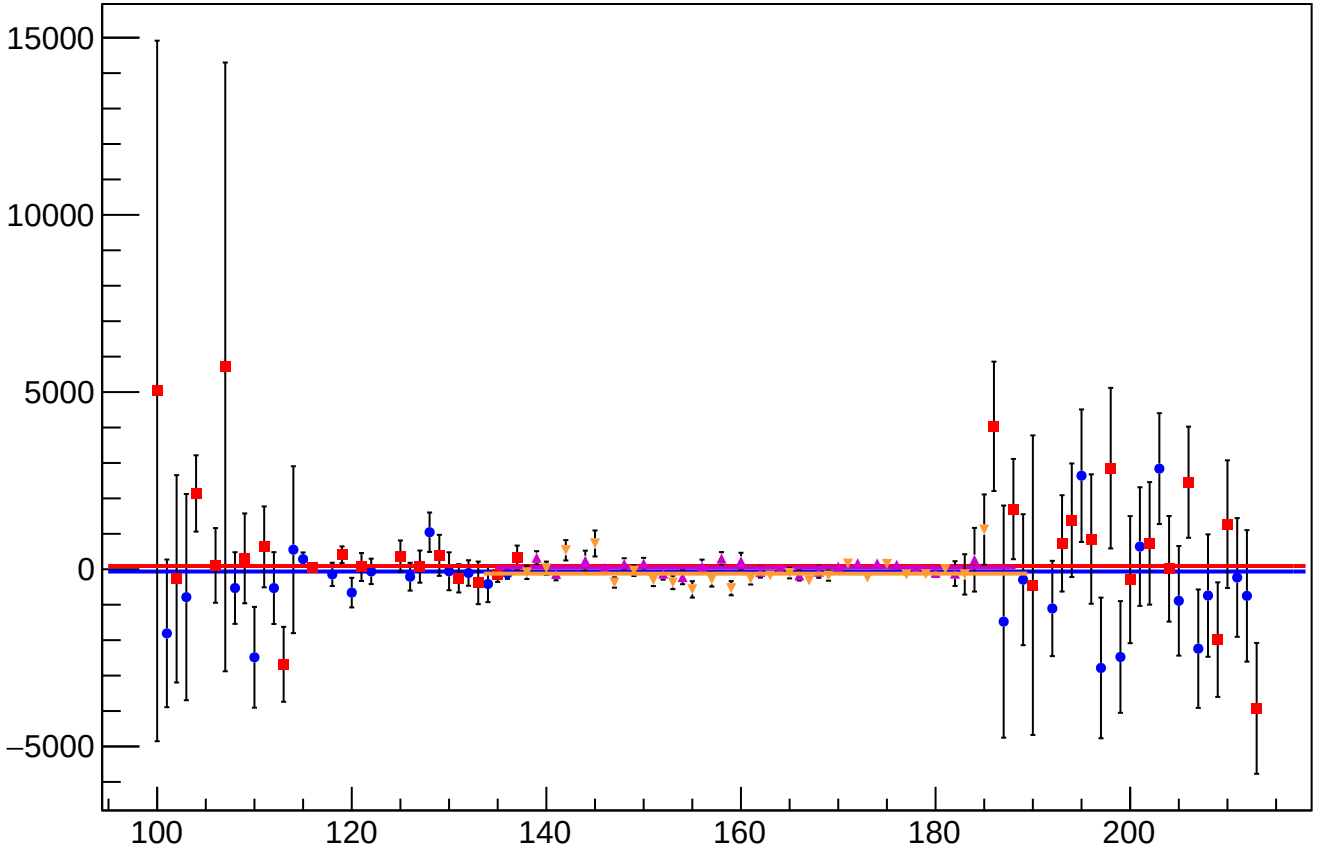
Right: 2226.987+/-0.264 χ^2/NDF: 747120.5/60

In: 2199.739+/-0.261 χ^2/NDF:553601.3/51

Out: 2204.853+/-0.256 χ^2/NDF:212383.6/55

All: 2202.342+/-0.183 χ^2/NDF: 766180.3/107

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -63.170+/-89.308 χ^2/NDF: 27.4/28

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

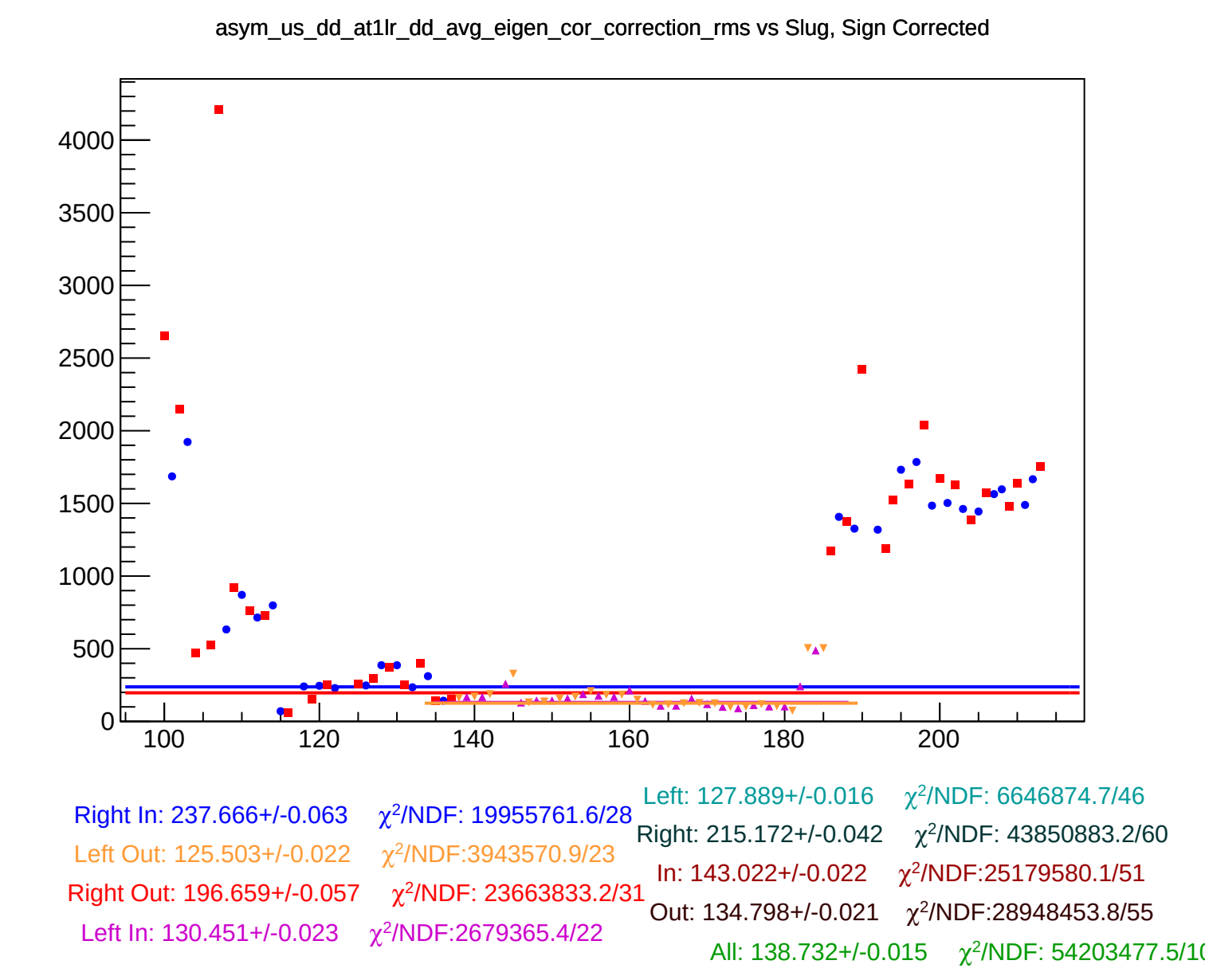
Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

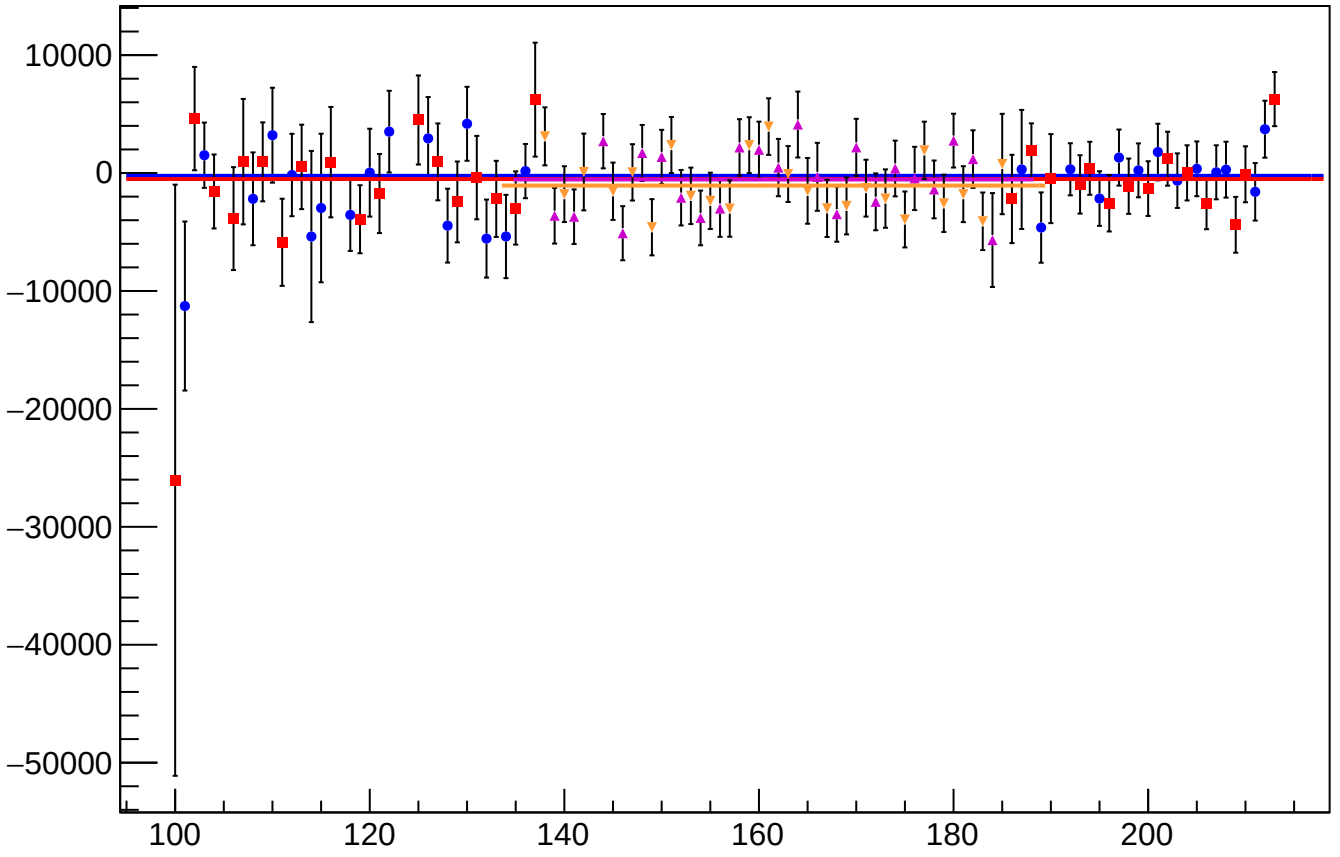
Right: 22.162+/-60.008 χ^2/NDF: 64.3/60

In: 36.916+/-30.580 χ^2/NDF:47.1/51

Out: -94.799+/-29.285 χ^2/NDF:85.2/55

All: -31.791+/-21.151 χ^2/NDF: 141.9/107


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 237.666+/-0.063 χ²/NDF: 19955761.6/28
Left Out: 125.503+/-0.022 χ²/NDF:3943570.9/23
Right Out: 196.659+/-0.057 χ²/NDF: 23663833.2/31
Left In: 130.451+/-0.023 χ²/NDF:2679365.4/22
Left: 127.889+/-0.016 χ²/NDF: 6646874.7/46
Right: 215.172+/-0.042 χ²/NDF: 43850883.2/60
In: 143.022+/-0.022 χ²/NDF:25179580.1/51
Out: 134.798+/-0.021 χ²/NDF:28948453.8/55
All: 138.732+/-0.015 χ²/NDF: 54203477.5/10



Right In: -236.926+/-536.357 χ^2/NDF: 23.4/28

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

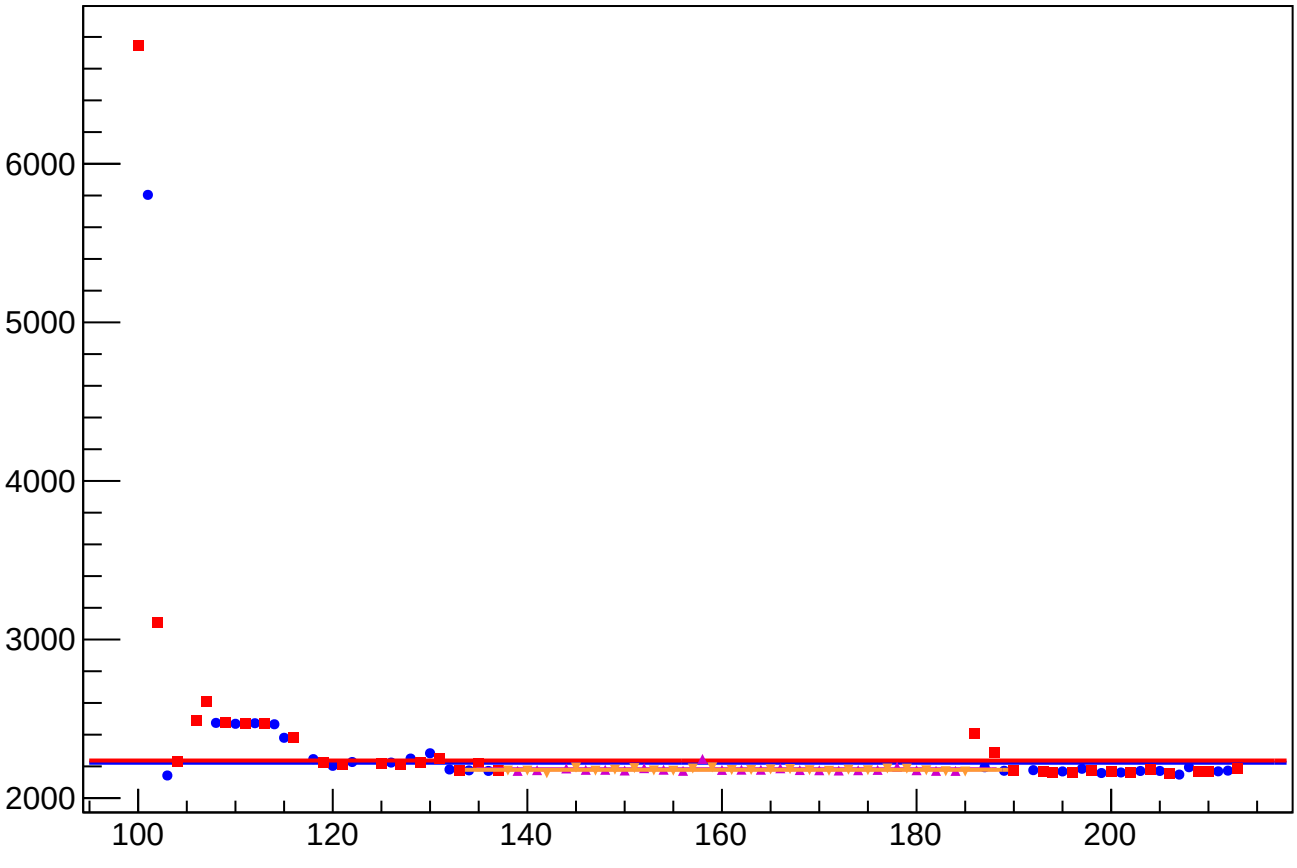
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -375.906+/-373.939 χ^2/NDF: 51.2/60

In: -398.500+/-369.375 χ^2/NDF:51.5/51

Out: -793.495+/-363.052 χ^2/NDF:50.2/55

All: -599.408+/-258.923 χ^2/NDF: 102.2/107



Right In: 2222.934+/-0.379 χ^2/NDF: 545339.1/28

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

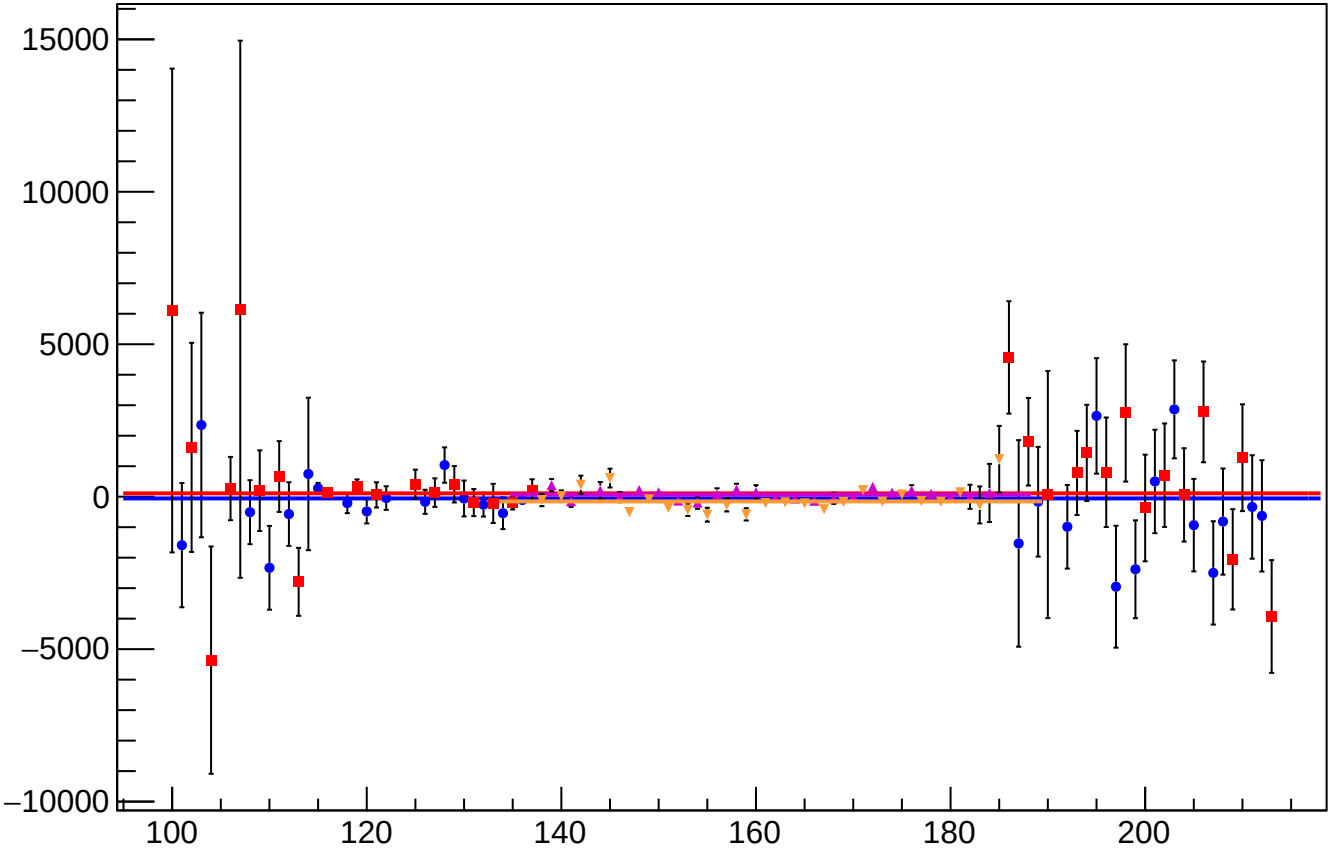
Right: 2230.172+/-0.264 χ^2/NDF: 762373.8/60

In: 2201.352+/-0.261 χ^2/NDF:553336.7/51

Out: 2206.851+/-0.257 χ^2/NDF:229758.3/55

All: 2204.149+/-0.183 χ^2/NDF: 783320.4/107

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -56.808+/-90.743 χ^2/NDF: 27.1/28

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

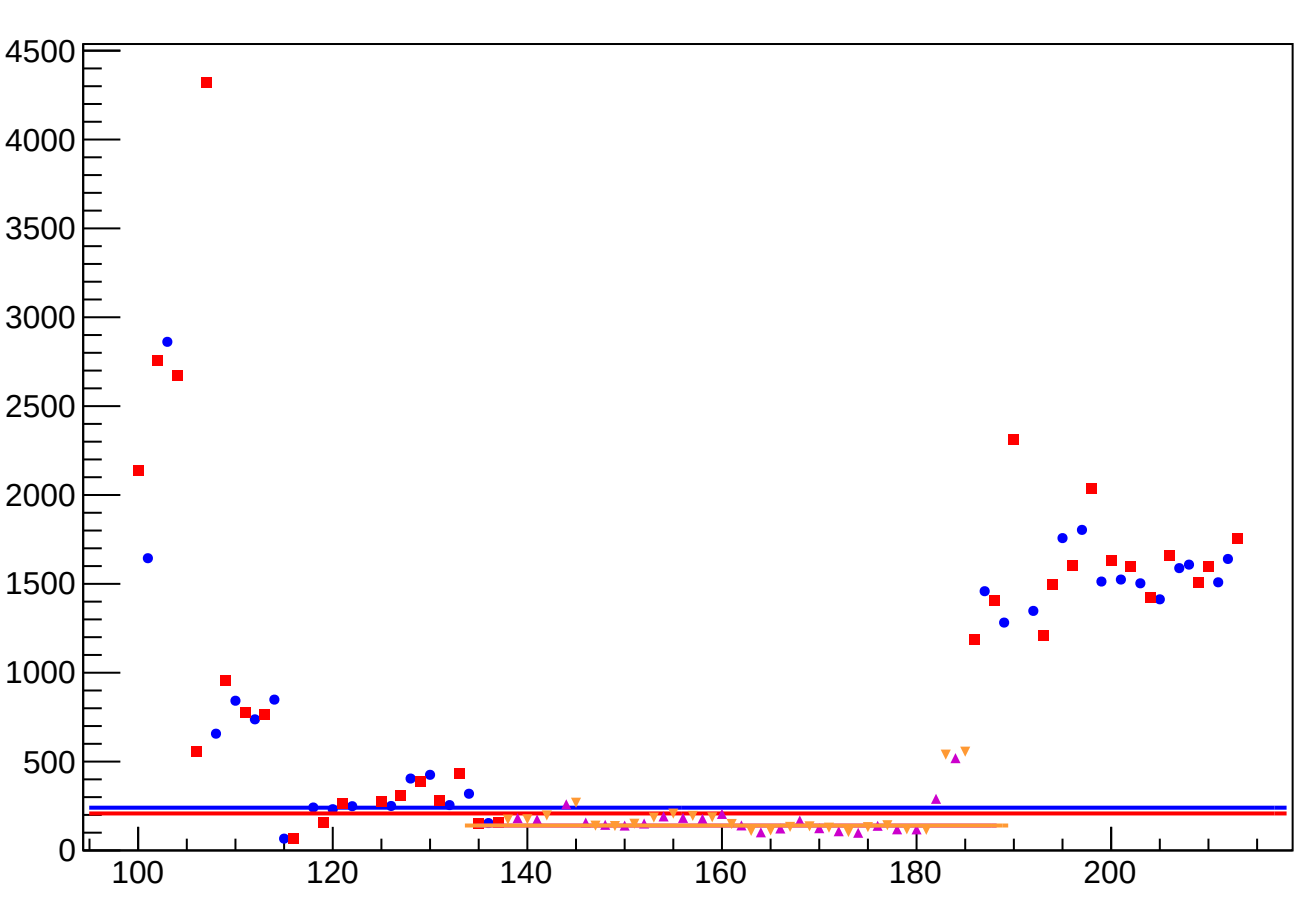
Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

Right: 32.282+/-61.886 χ^2/NDF: 63.4/60

In: 54.348+/-32.006 χ^2/NDF:47.8/51

Out: -117.848+/-31.597 χ^2/NDF:90.2/55

All: -32.858+/-22.486 χ^2/NDF: 152.6/107



Right In: 240.652+/-0.064 χ^2/NDF: 20506359.2/28

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

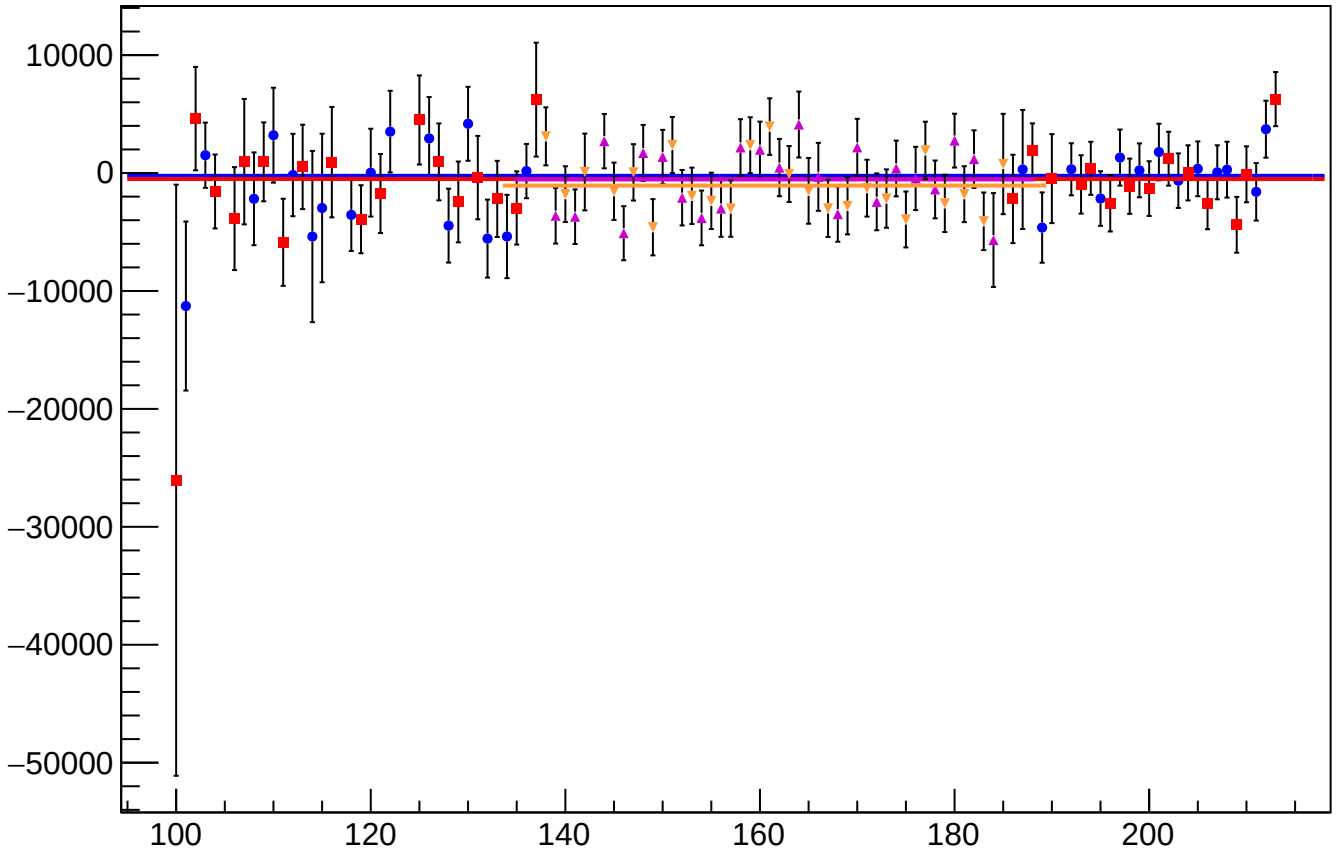
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 223.278+/-0.044 χ^2/NDF: 45061002.3/60

In: 152.503+/-0.023 χ^2/NDF:25074281.0/51

Out: 149.779+/-0.022 χ^2/NDF:28284467.8/55

All: 151.124+/-0.016 χ^2/NDF: 53366084.1/10



Right In: -236.928+/-536.357 χ^2/NDF: 23.4/28

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

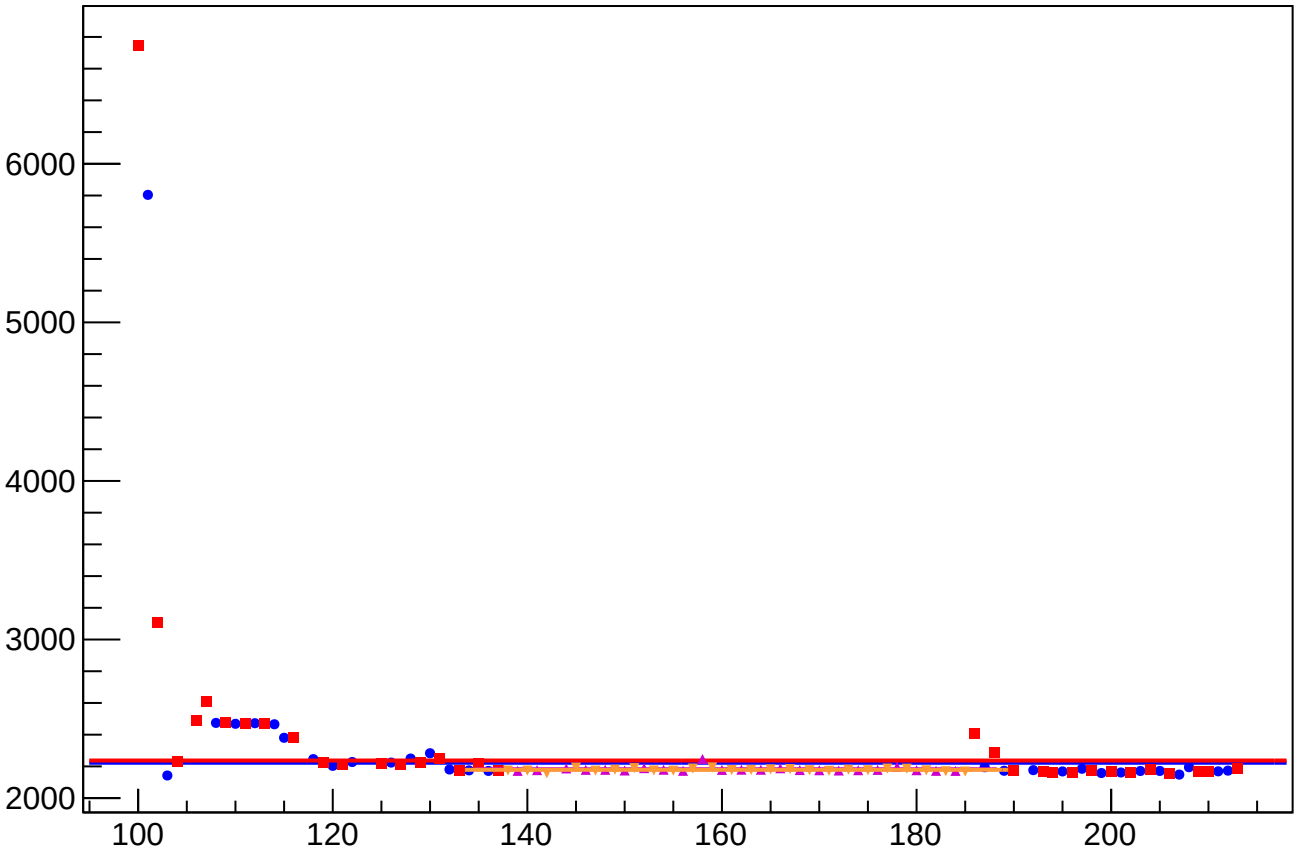
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -375.906+/-373.939 χ^2/NDF: 51.2/60

In: -398.501+/-369.375 χ^2/NDF:51.5/51

Out: -793.495+/-363.052 χ^2/NDF:50.2/55

All: -599.408+/-258.923 χ^2/NDF: 102.2/107



Right In: 2222.934+/-0.379 χ^2/NDF: 545339.2/28

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

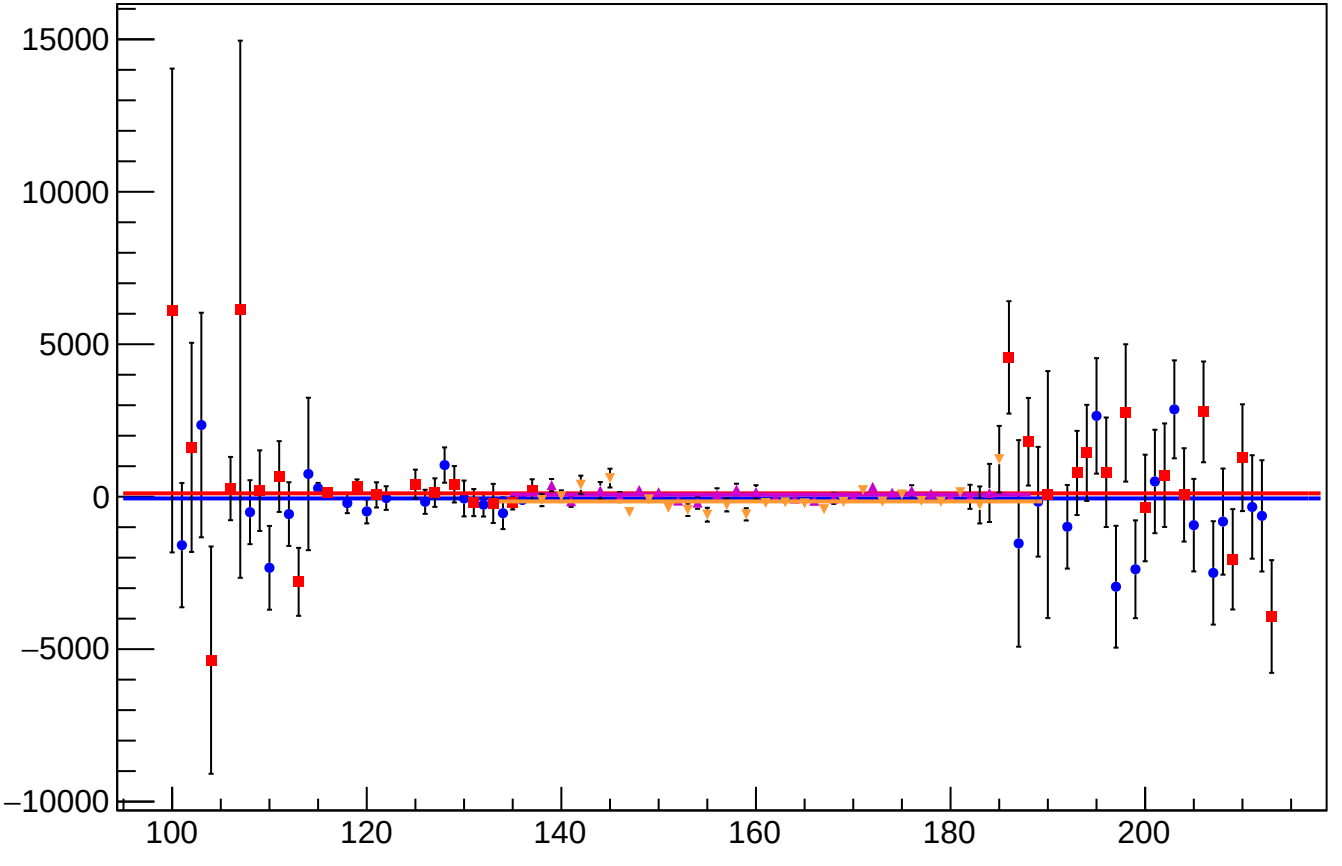
Right: 2230.172+/-0.264 χ^2/NDF: 762373.7/60

In: 2201.352+/-0.261 χ^2/NDF:553336.7/51

Out: 2206.851+/-0.257 χ^2/NDF:229758.1/55

All: 2204.149+/-0.183 χ^2/NDF: 783320.3/107

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -56.805+/-90.742 χ^2/NDF: 27.1/28

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

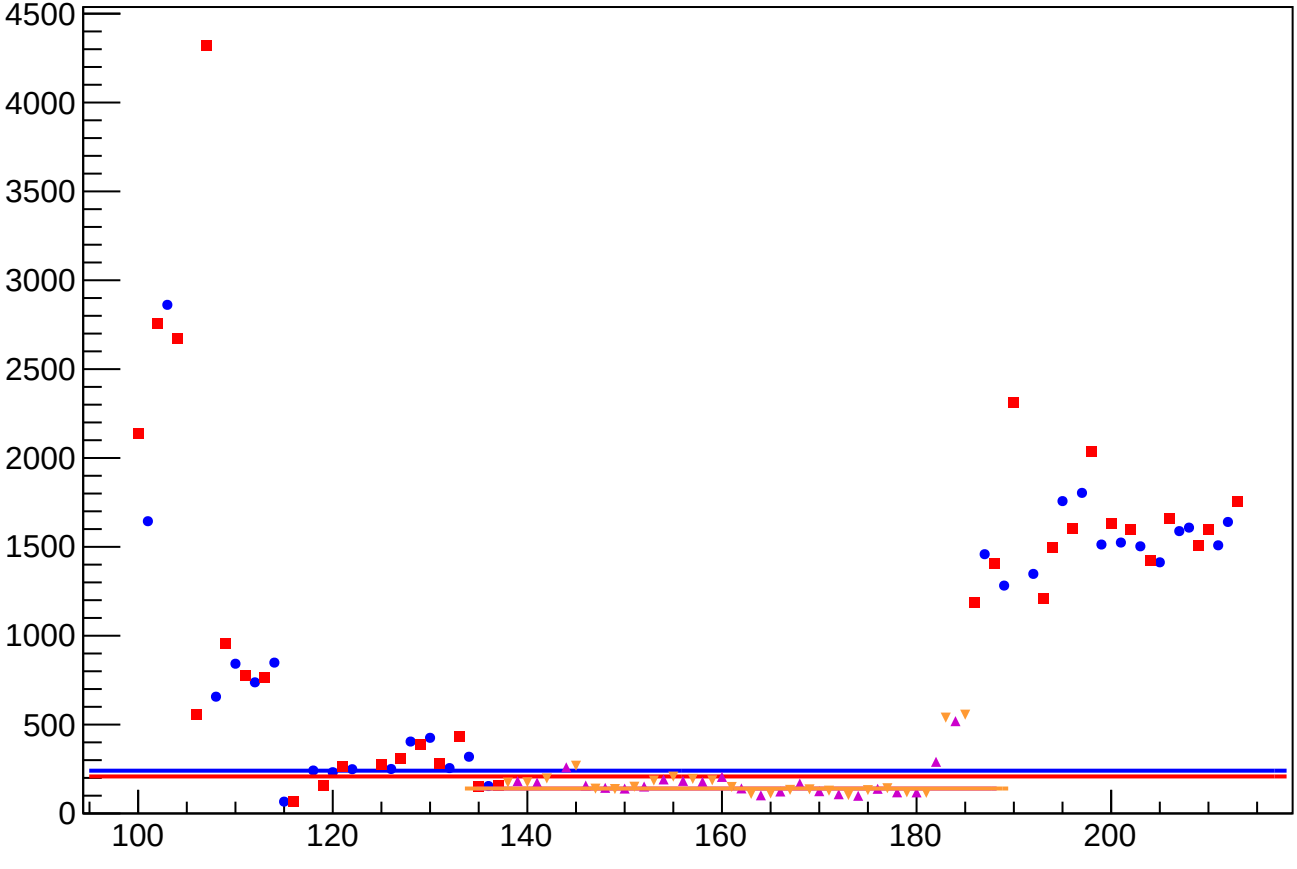
Right: 32.284+/-61.886 χ^2/NDF: 63.4/60

In: 54.348+/-32.006 χ^2/NDF:47.8/51

Out: -117.849+/-31.597 χ^2/NDF:90.2/55

All: -32.858+/-22.486 χ^2/NDF: 152.6/107

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 240.649+/-0.064 χ^2/NDF: 20506466.0/28

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

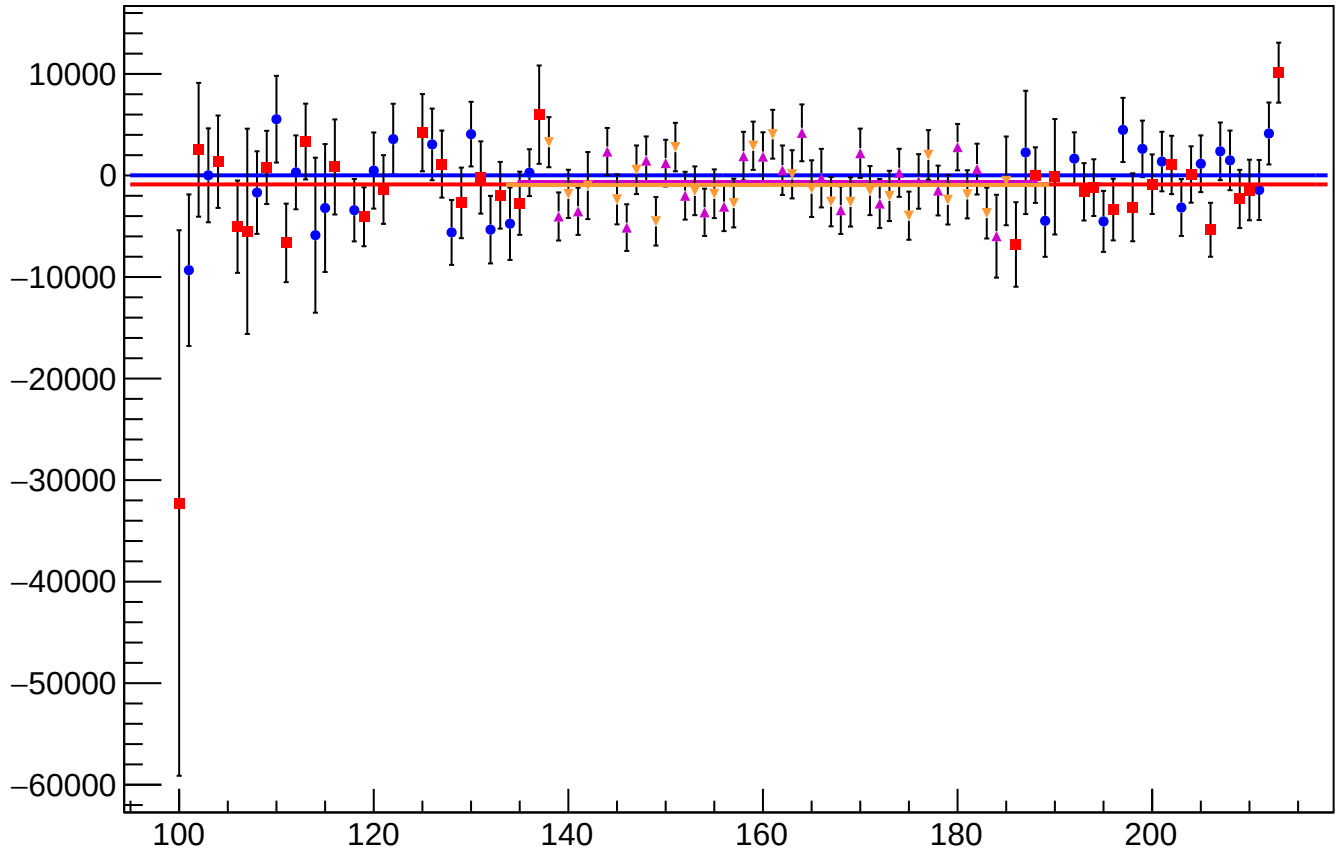
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 223.275+/-0.044 χ^2/NDF: 45061244.6/60

In: 152.503+/-0.023 χ^2/NDF:25074333.5/51

Out: 149.779+/-0.022 χ^2/NDF:28284500.6/55

All: 151.124+/-0.016 χ^2/NDF: 53366168.9/10



Right In: 14.988+/-617.742 χ^2/NDF: 28.4/28

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

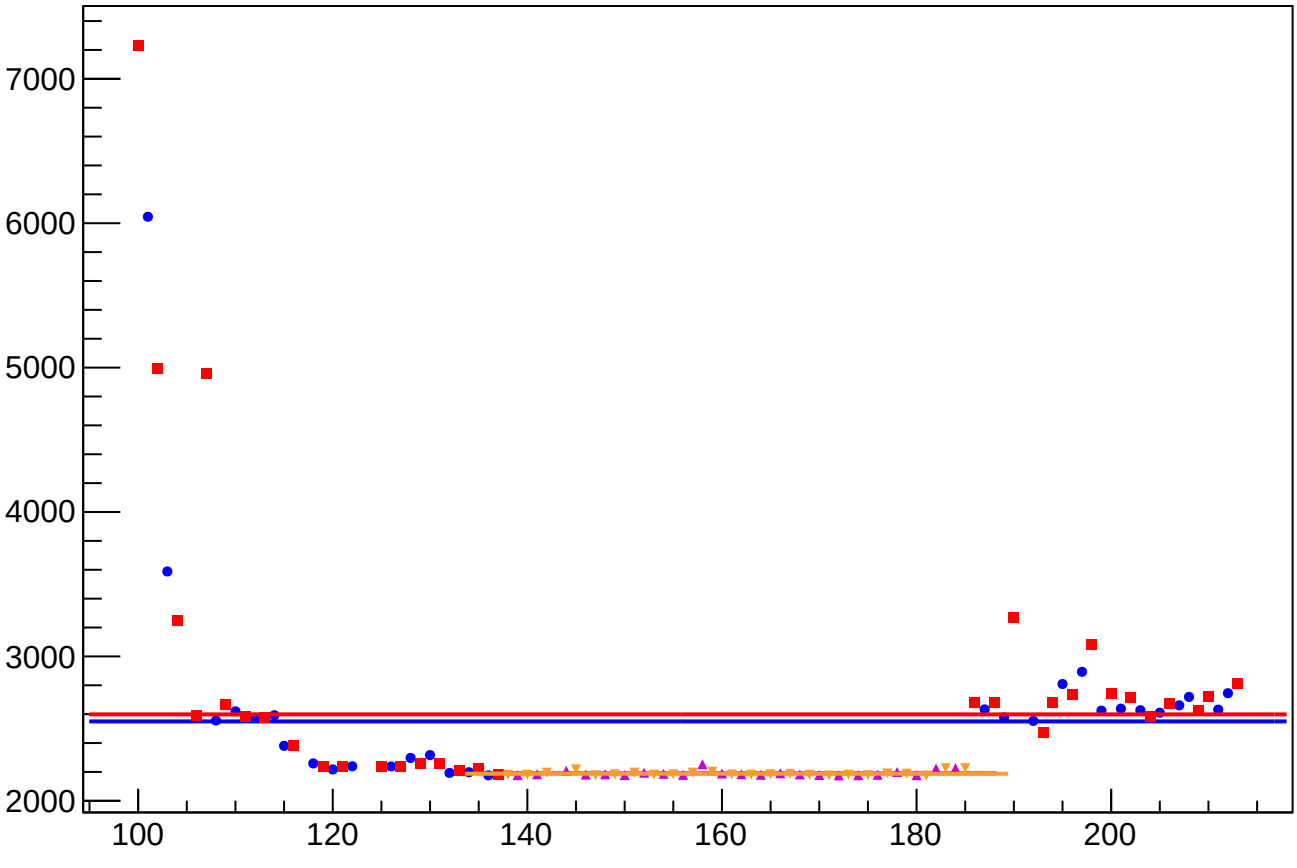
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -438.690+/-433.952 χ^2/NDF: 63.3/60

In: -375.313+/-393.915 χ^2/NDF:56.1/51

Out: -910.991+/-390.164 χ^2/NDF:56.2/55

All: -645.715+/-277.204 χ^2/NDF: 113.2/107



Right In: 2549.881+/-0.437 χ^2/NDF: 789077.5/28

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

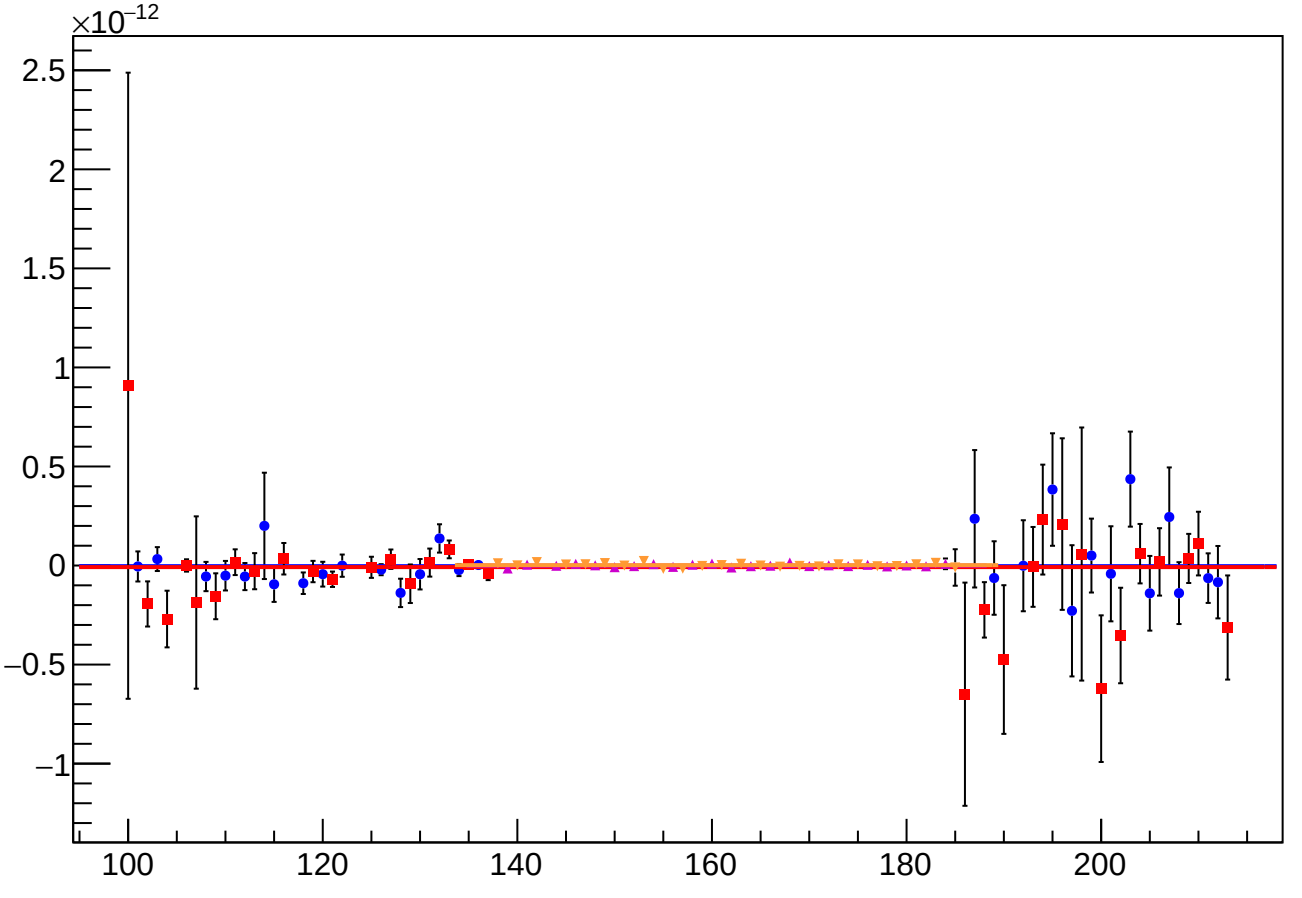
Right: 2574.518+/-0.307 χ^2/NDF: 1585063.2/60

In: 2336.432+/-0.279 χ^2/NDF:1194031.2/51

Out: 2355.866+/-0.276 χ^2/NDF:1327424.3/55

All: 2346.242+/-0.196 χ^2/NDF: 2523912.8/10

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/28

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

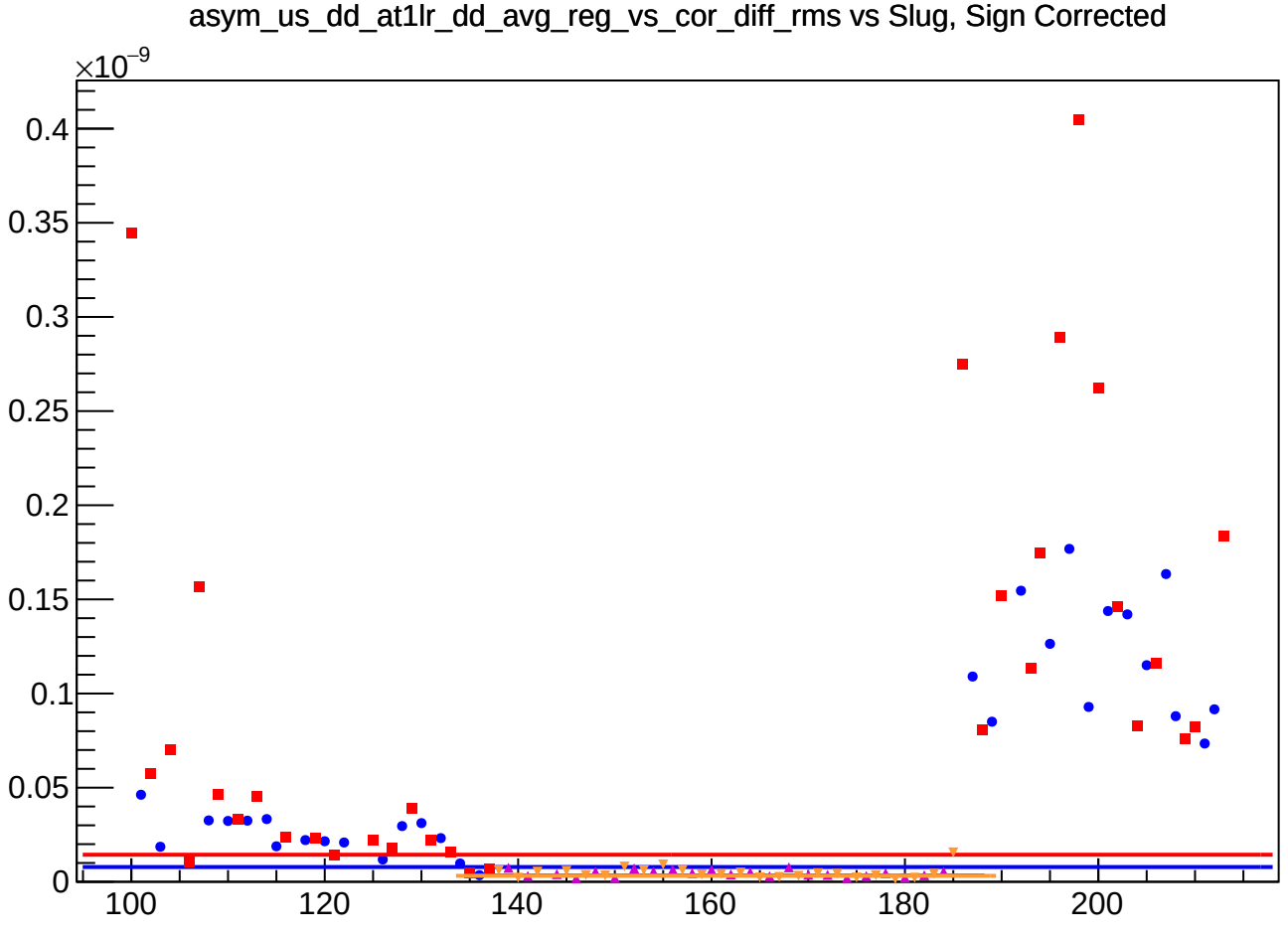
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 57.0/60

In: -0.000+/-0.000 χ^2/NDF:38.2/51

Out: 0.000+/-0.000 χ^2/NDF:52.6/55

All: 0.000+/-0.000 χ^2/NDF: 91.8/107



Right In: 0.000+/-0.000 χ^2/NDF: 9737097.5/28

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

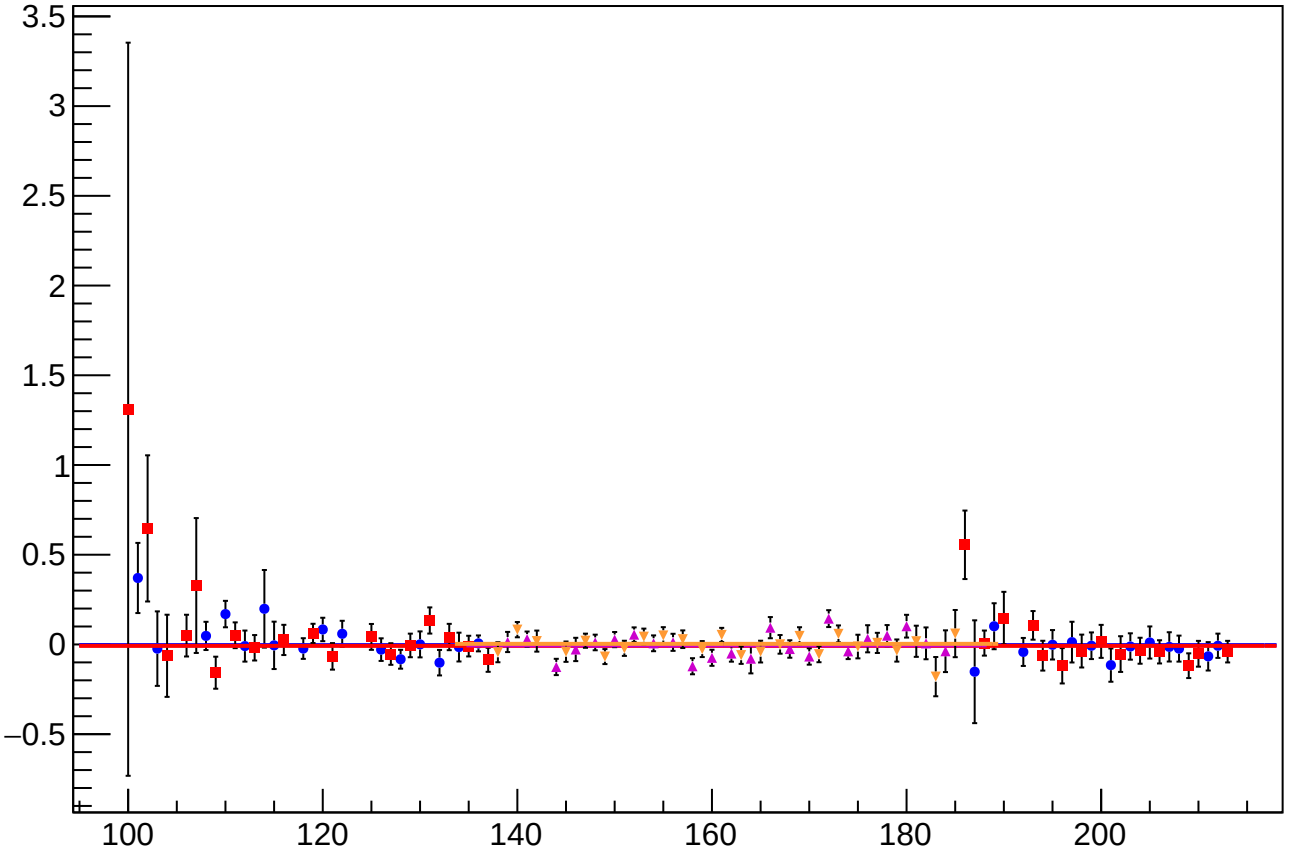
Right: 0.000+/-0.000 χ^2/NDF: 21427669.4/60

In: 0.000+/-0.000 χ^2/NDF:12391441.2/51

Out: 0.000+/-0.000 χ^2/NDF:15758328.1/55

All: 0.000+/-0.000 χ^2/NDF: 28172852.3/107

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.014 χ^2/NDF: 20.9/28

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

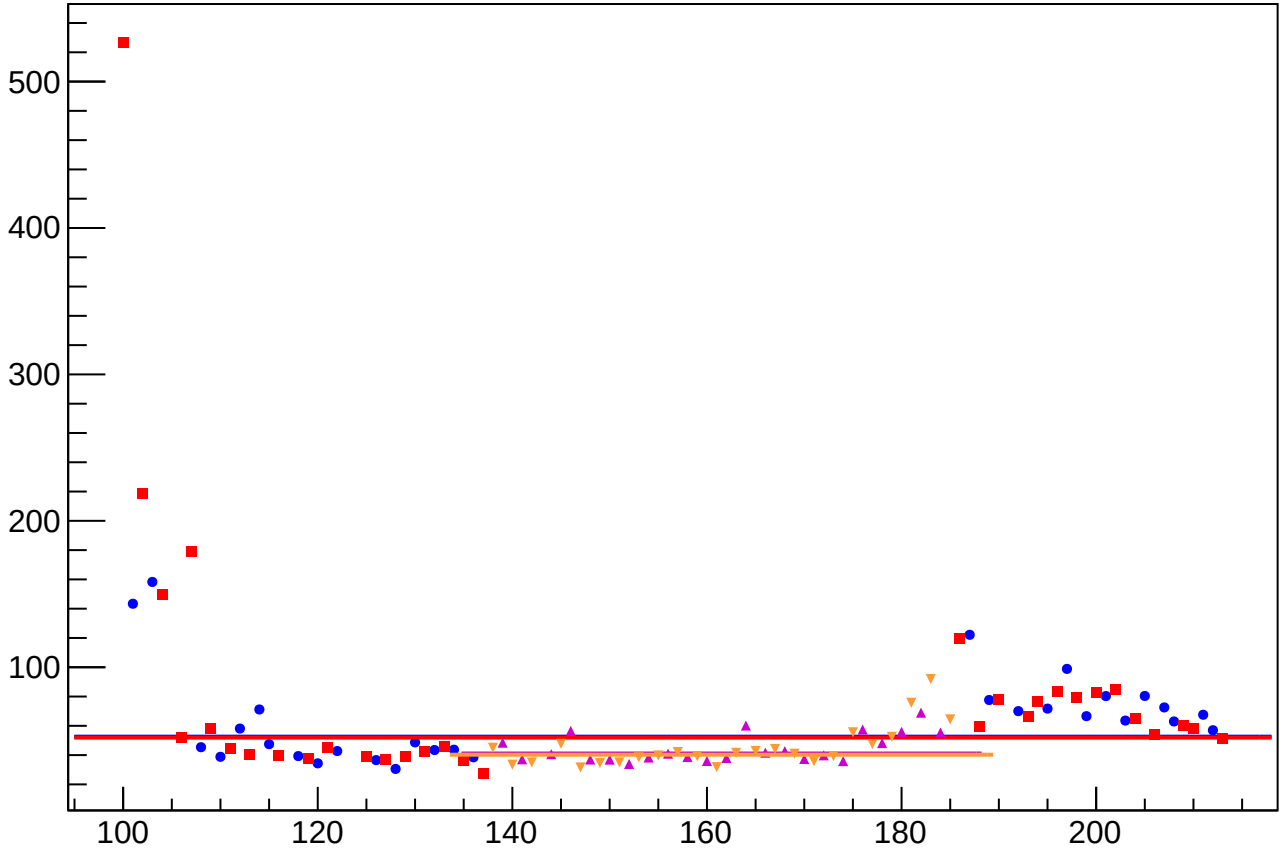
Right: -0.006+/-0.010 χ^2/NDF: 55.3/60

In: -0.005+/-0.009 χ^2/NDF:62.4/51

Out: -0.001+/-0.008 χ^2/NDF:56.6/55

All: -0.003+/-0.006 χ^2/NDF: 119.1/107

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.591+/-0.010 χ^2/NDF: 3570936.3/28

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

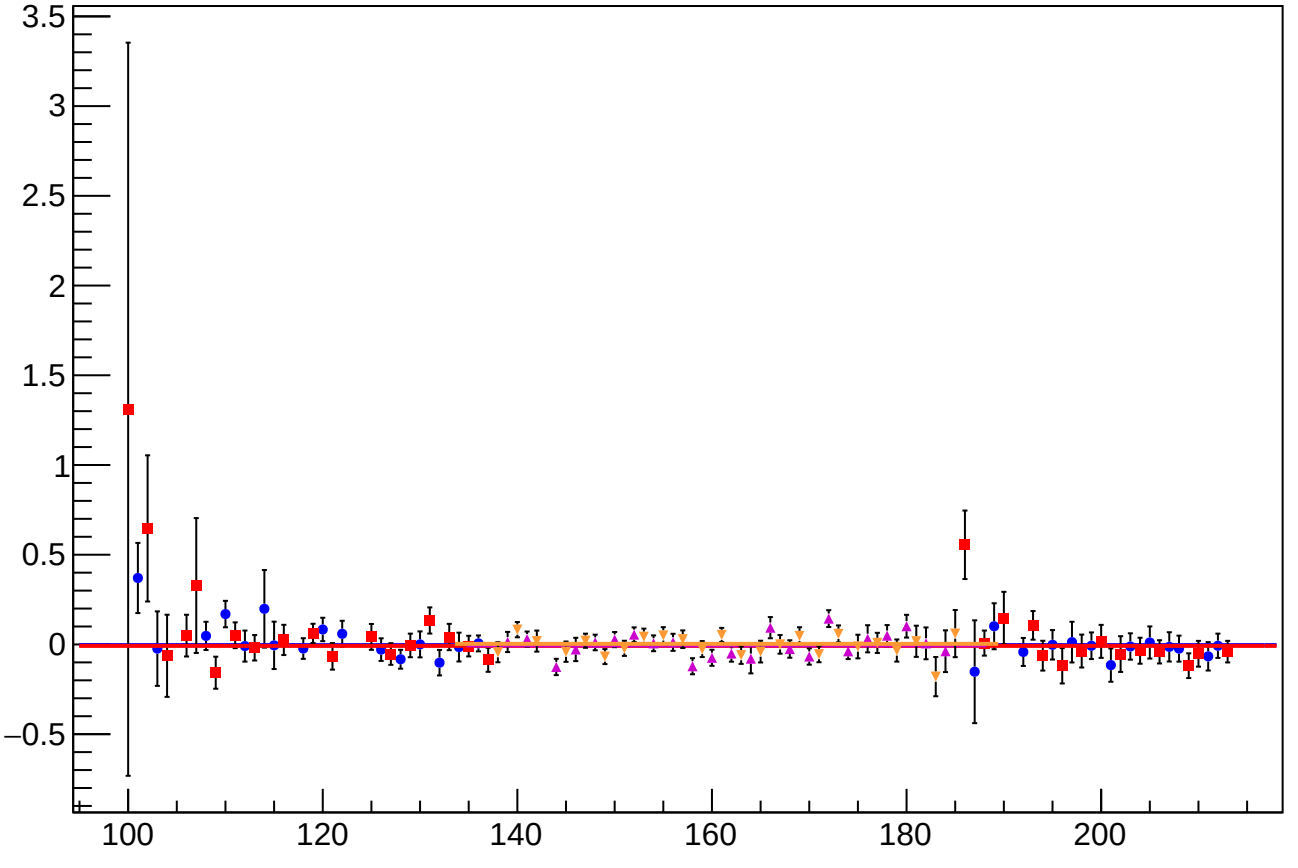
Right: 52.272+/-0.007 χ^2/NDF: 7146035.4/60

In: 45.090+/-0.006 χ^2/NDF:5324747.8/51

Out: 44.379+/-0.006 χ^2/NDF:5954372.1/55

All: 44.728+/-0.004 χ^2/NDF: 11286207.2/107

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.014 χ^2/NDF: 20.9/28

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

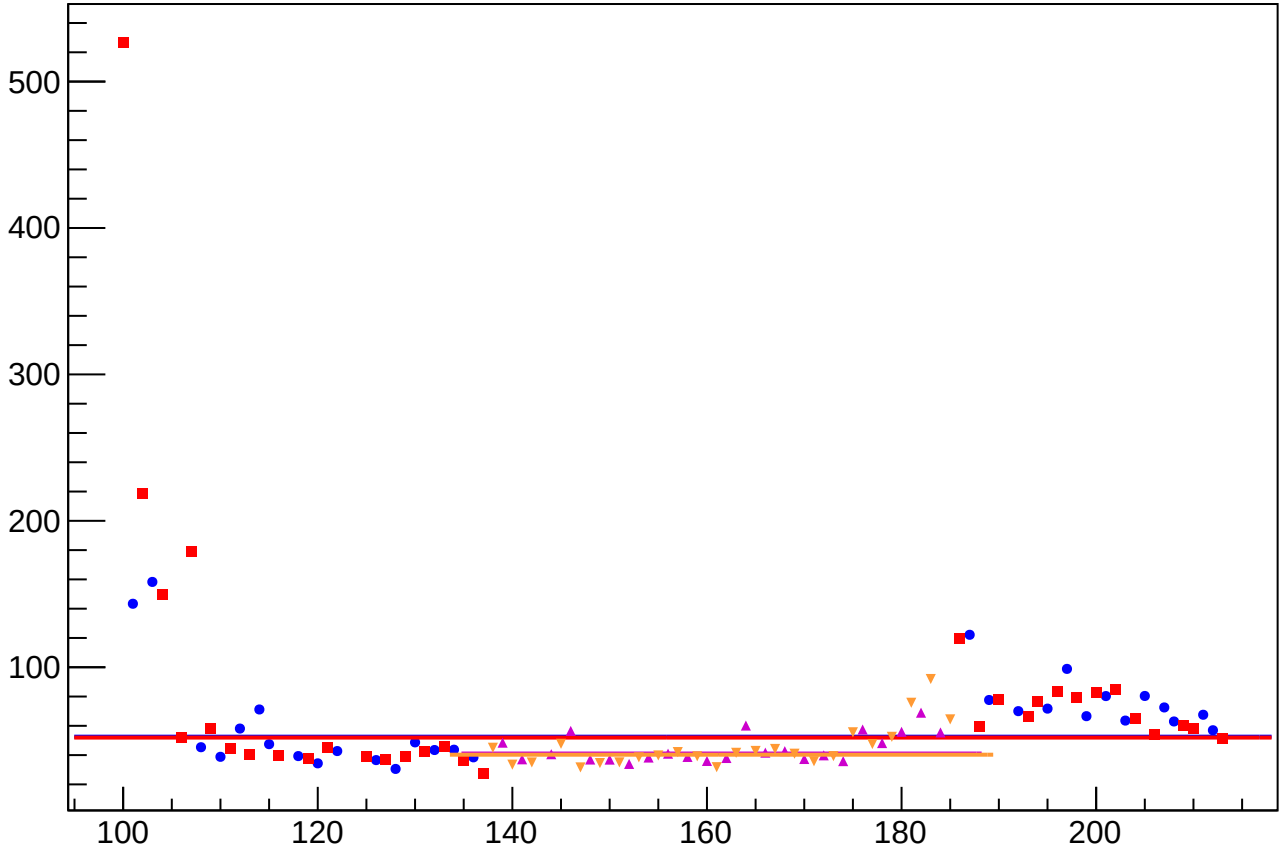
Right: -0.006+/-0.010 χ^2/NDF: 55.3/60

In: -0.005+/-0.009 χ^2/NDF:62.4/51

Out: -0.001+/-0.008 χ^2/NDF:56.6/55

All: -0.003+/-0.006 χ^2/NDF: 119.1/107

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.591+/-0.010 χ^2/NDF: 3570936.3/28

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

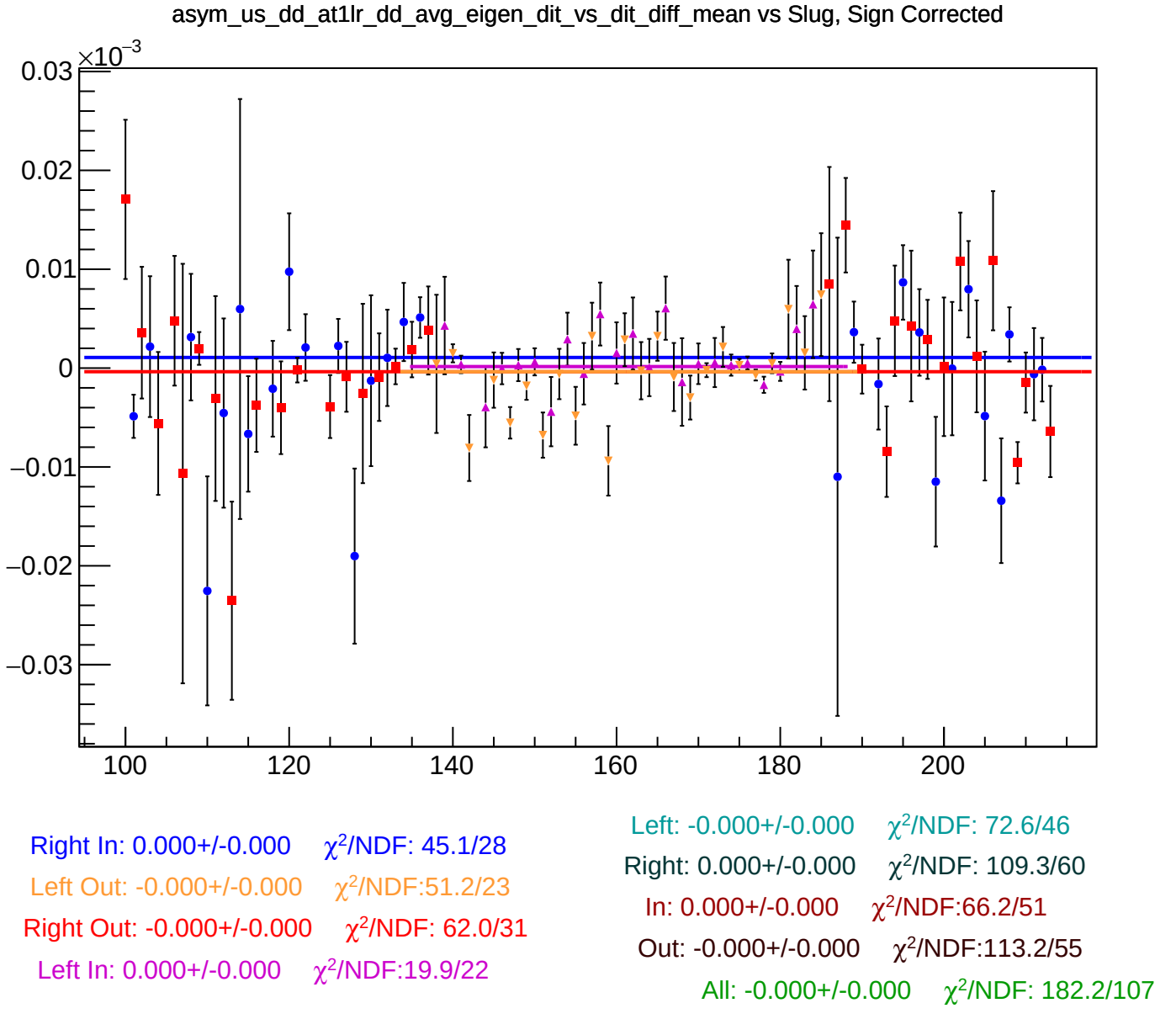
Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

Right: 52.272+/-0.007 χ^2/NDF: 7146035.4/60

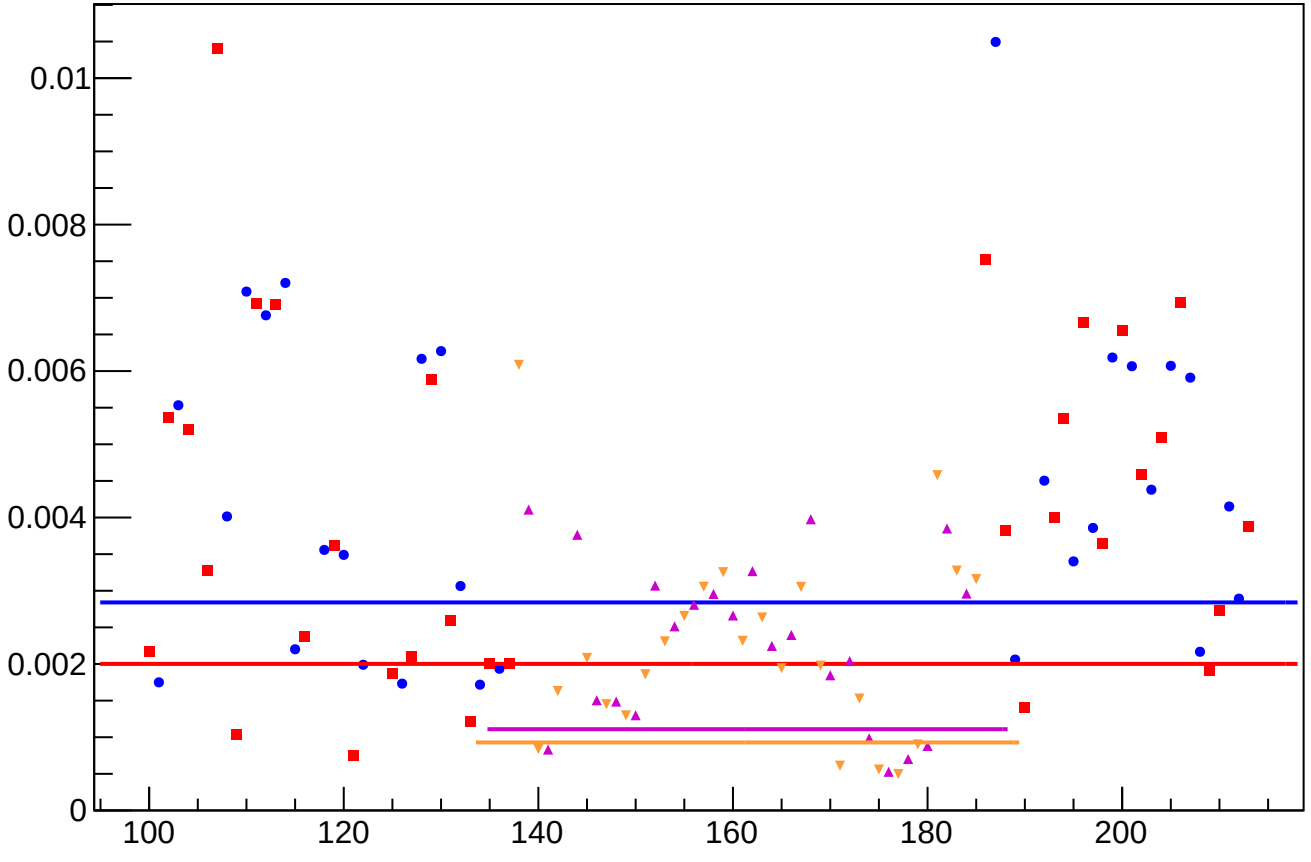
In: 45.090+/-0.006 χ^2/NDF:5324747.8/51

Out: 44.379+/-0.006 χ^2/NDF:5954372.1/55

All: 44.728+/-0.004 χ^2/NDF: 11286207.2/107


asym_us_dd_at1lr_dd_avg_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
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 45.1/28
Left Out: -0.000+/-0.000 χ²/NDF:51.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 62.0/31
Left In: 0.000+/-0.000 χ²/NDF:19.9/22
Left: -0.000+/-0.000 χ²/NDF: 72.6/46
Right: 0.000+/-0.000 χ²/NDF: 109.3/60
In: 0.000+/-0.000 χ²/NDF:66.2/51
Out: -0.000+/-0.000 χ²/NDF:113.2/55
All: -0.000+/-0.000 χ²/NDF: 182.2/107

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: 6402705.3/28

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

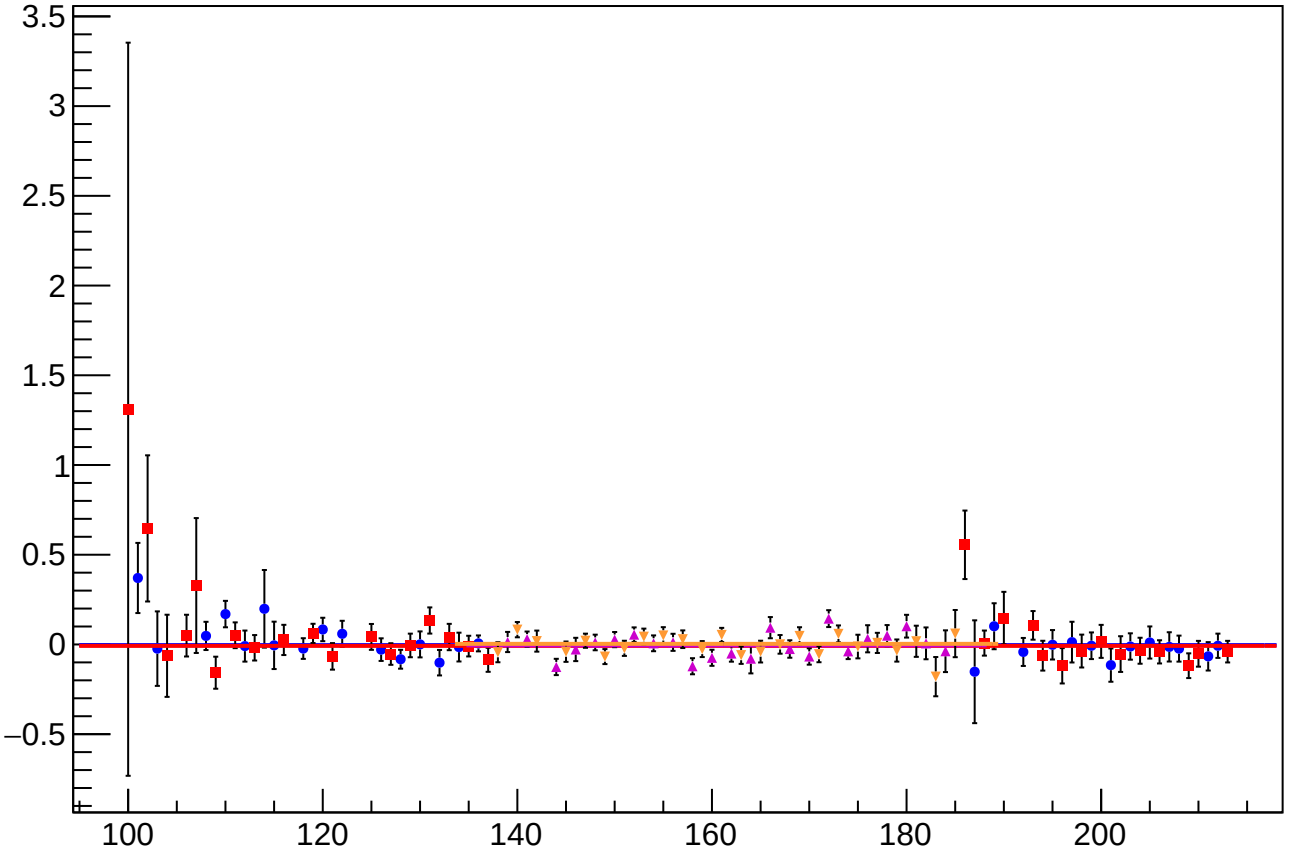
Right: 0.002+/-0.000 χ^2/NDF: 20248342.9/60

In: 0.001+/-0.000 χ^2/NDF:25809493.9/51

Out: 0.001+/-0.000 χ^2/NDF:30233193.5/55

All: 0.001+/-0.000 χ^2/NDF: 56803502.7/107

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.014 χ^2/NDF: 20.9/28

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

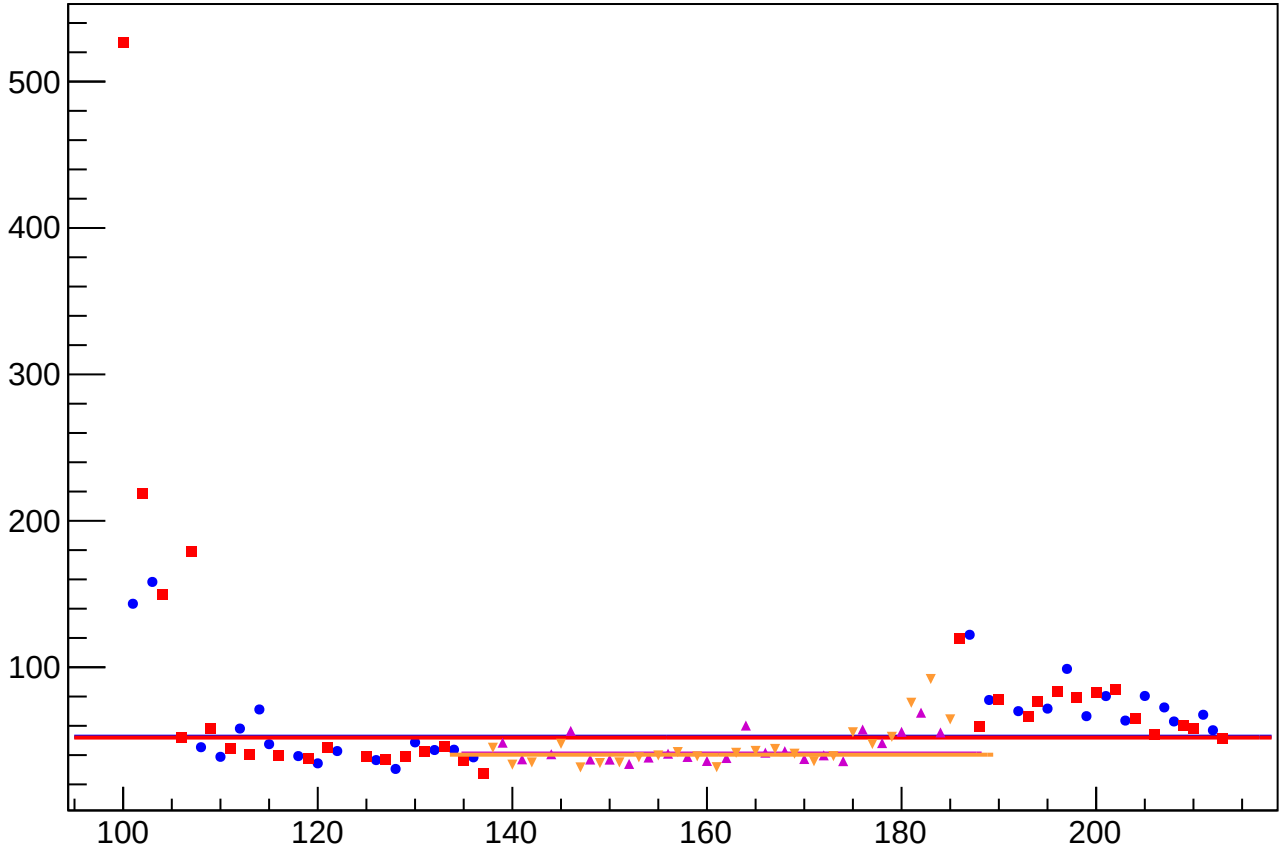
Right: -0.006+/-0.010 χ^2/NDF: 55.3/60

In: -0.005+/-0.009 χ^2/NDF:62.3/51

Out: -0.001+/-0.008 χ^2/NDF:56.6/55

All: -0.003+/-0.006 χ^2/NDF: 119.1/107

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.589+/-0.010 χ^2/NDF: 3571567.5/28

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

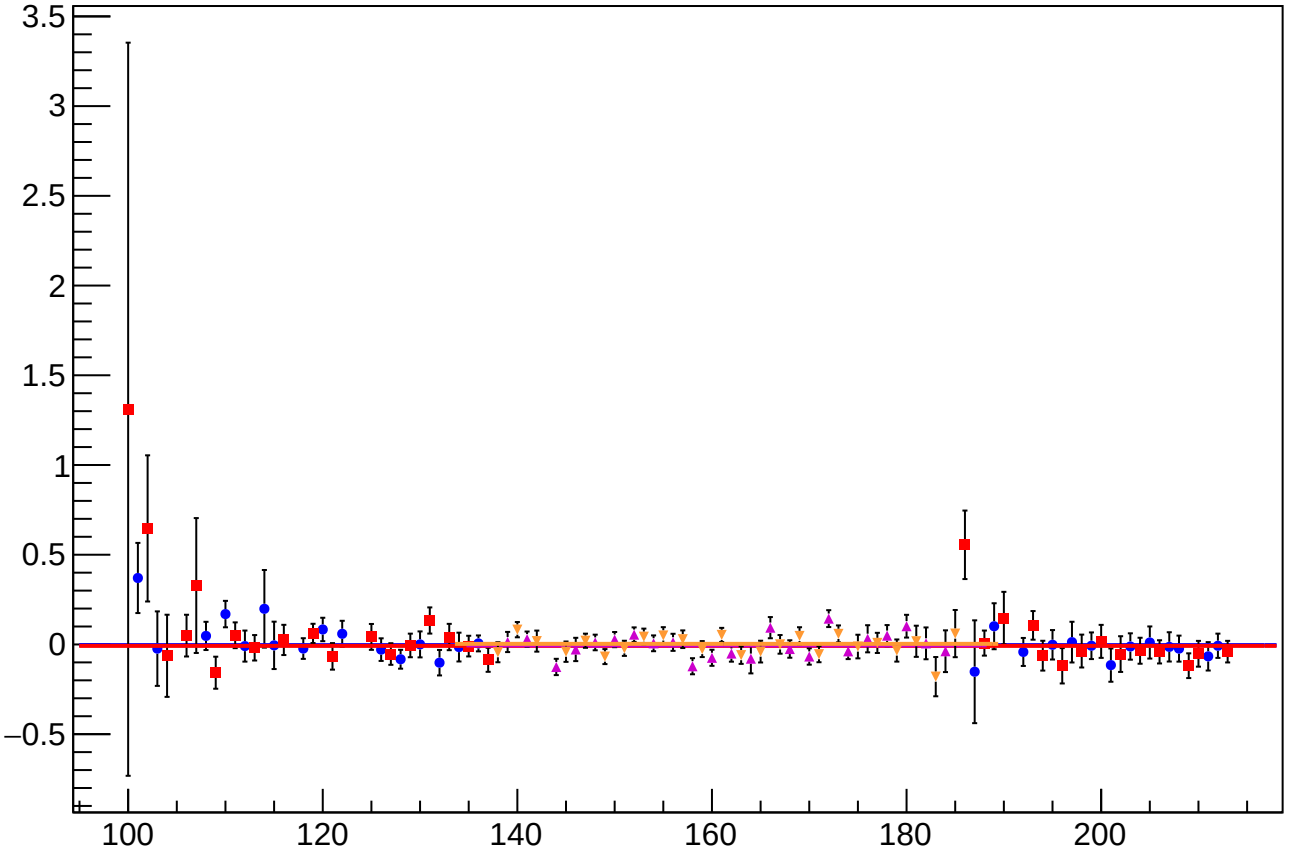
Right: 52.272+/-0.007 χ^2/NDF: 7146614.0/60

In: 45.090+/-0.006 χ^2/NDF:5325162.5/51

Out: 44.380+/-0.006 χ^2/NDF:5954391.3/55

All: 44.727+/-0.004 χ^2/NDF: 11286625.0/107

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.014 χ^2/NDF: 20.9/28

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

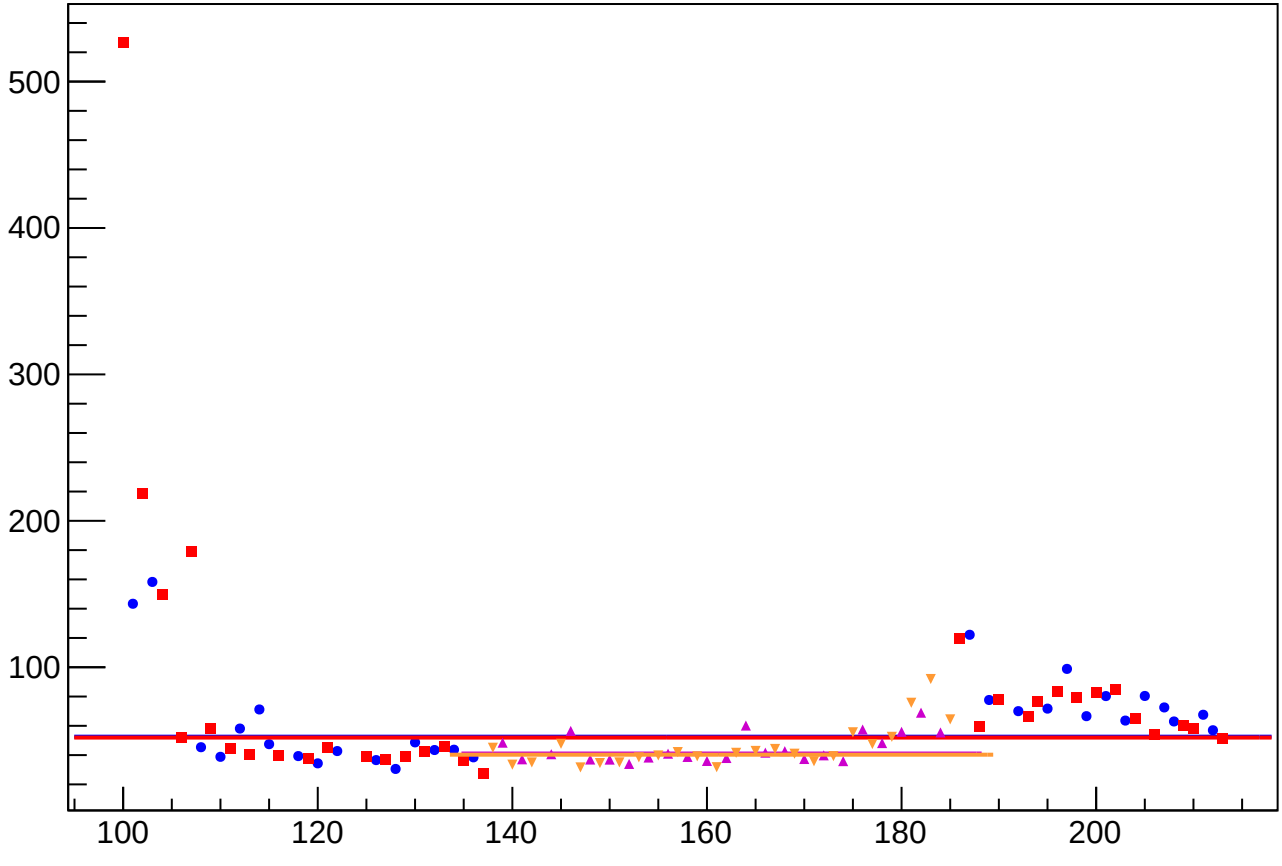
Right: -0.006+/-0.010 χ^2/NDF: 55.3/60

In: -0.005+/-0.009 χ^2/NDF:62.3/51

Out: -0.001+/-0.008 χ^2/NDF:56.6/55

All: -0.003+/-0.006 χ^2/NDF: 119.1/107

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.589+/-0.010 χ^2/NDF: 3571567.5/28

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

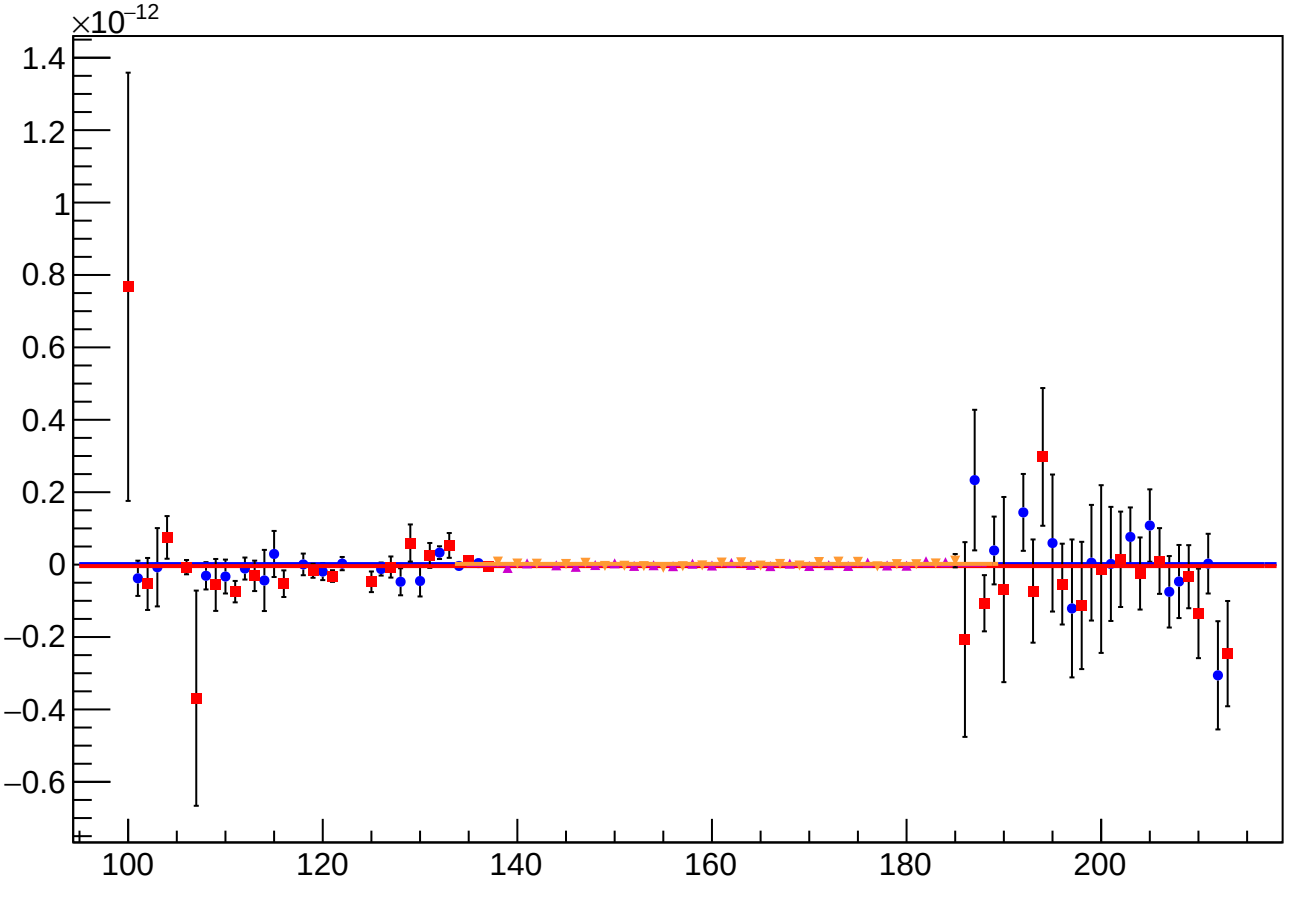
Right: 52.272+/-0.007 χ^2/NDF: 7146614.0/60

In: 45.090+/-0.006 χ^2/NDF:5325162.5/51

Out: 44.380+/-0.006 χ^2/NDF:5954391.3/55

All: 44.727+/-0.004 χ^2/NDF: 11286625.0/107

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: 21.5/28

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

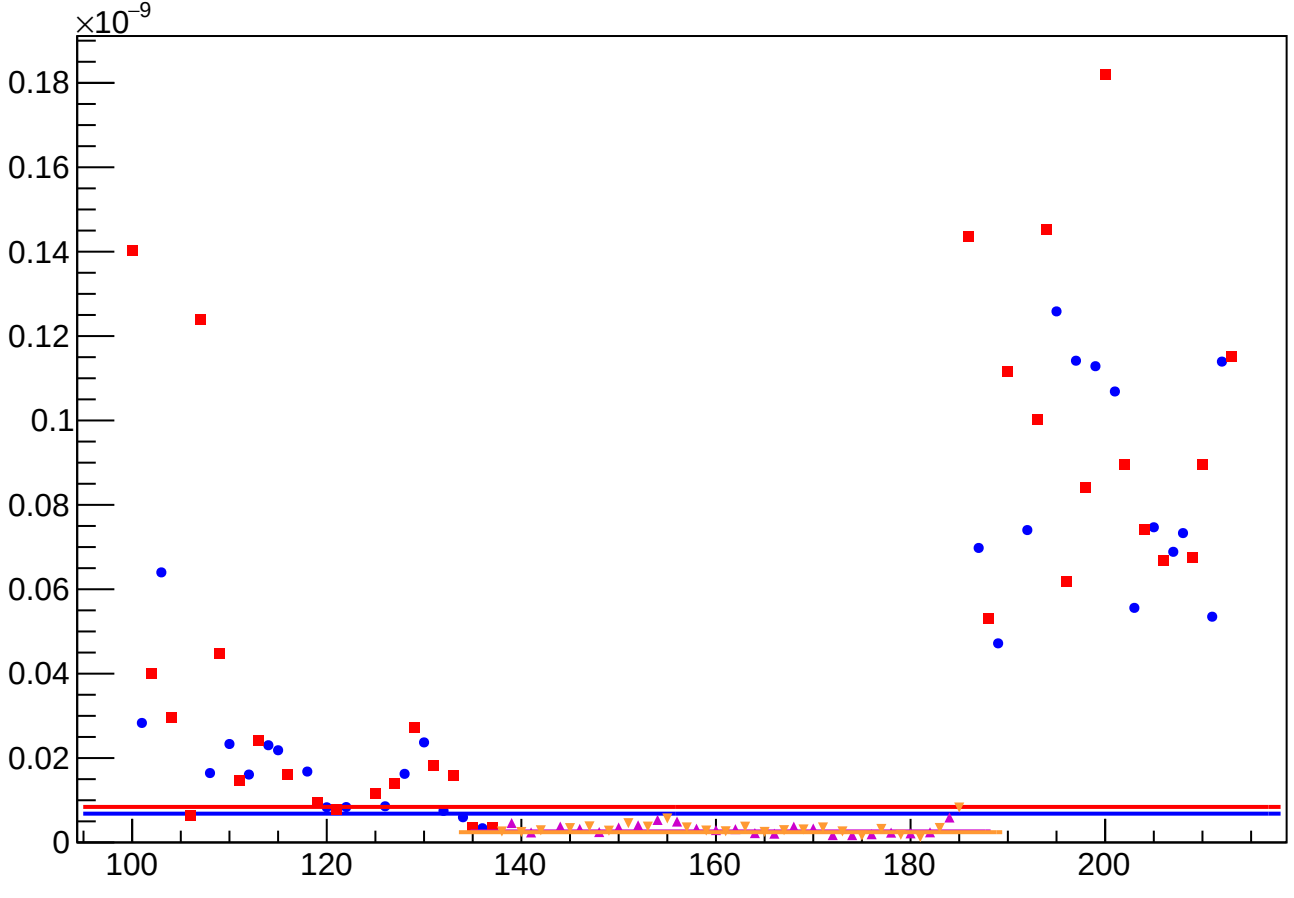
Right: -0.000+/-0.000 χ^2/NDF: 61.0/60

In: -0.000+/-0.000 χ^2/NDF:44.8/51

Out: 0.000+/-0.000 χ^2/NDF:65.5/55

All: 0.000+/-0.000 χ^2/NDF: 113.5/107

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12888798.2/28

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14617694.8/31

Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

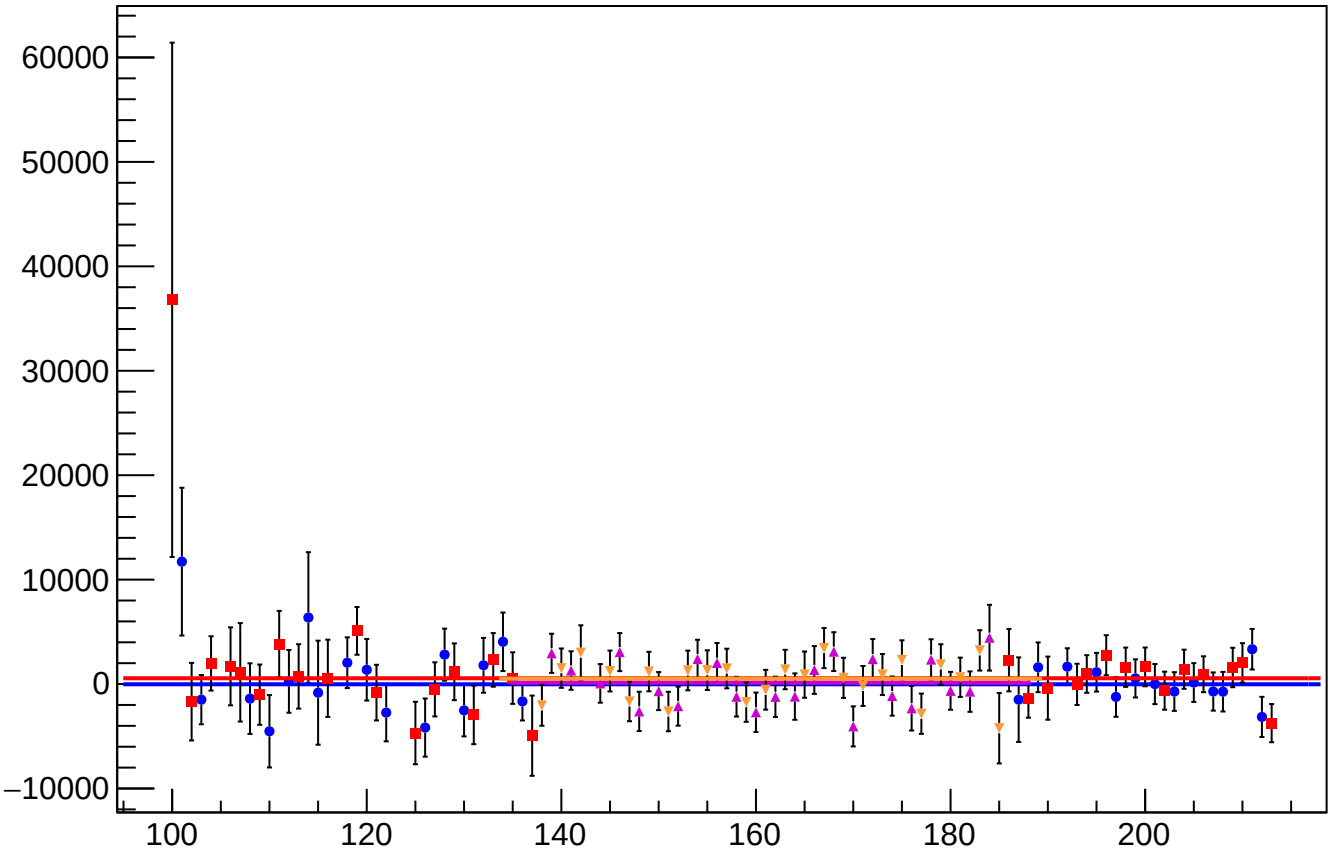
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

Right: 0.000+/-0.000 χ^2/NDF: 27643583.6/60

In: 0.000+/-0.000 χ^2/NDF:17066335.6/51

Out: 0.000+/-0.000 χ^2/NDF:20574608.9/55

All: 0.000+/-0.000 χ^2/NDF: 37706817.9/107



Right In: -20.207+/-431.026 χ^2/NDF: 24.4/28

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

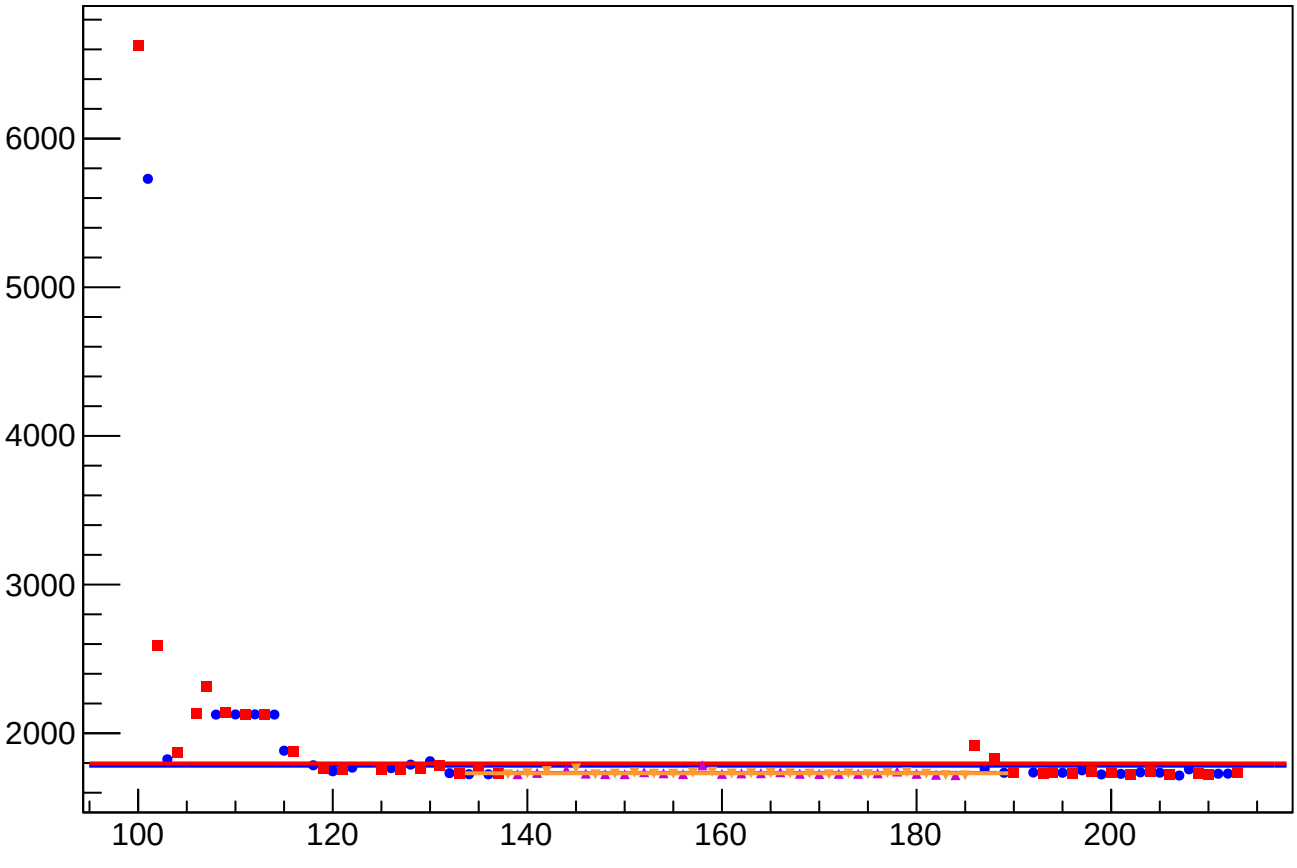
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 276.490+/-300.639 χ^2/NDF: 51.9/60

In: 57.526+/-295.007 χ^2/NDF:53.9/51

Out: 537.942+/-290.150 χ^2/NDF:47.4/55

All: 301.722+/-206.863 χ^2/NDF: 102.6/107



Right In: 1781.953+/-0.305 χ^2/NDF: 717578.7/28

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

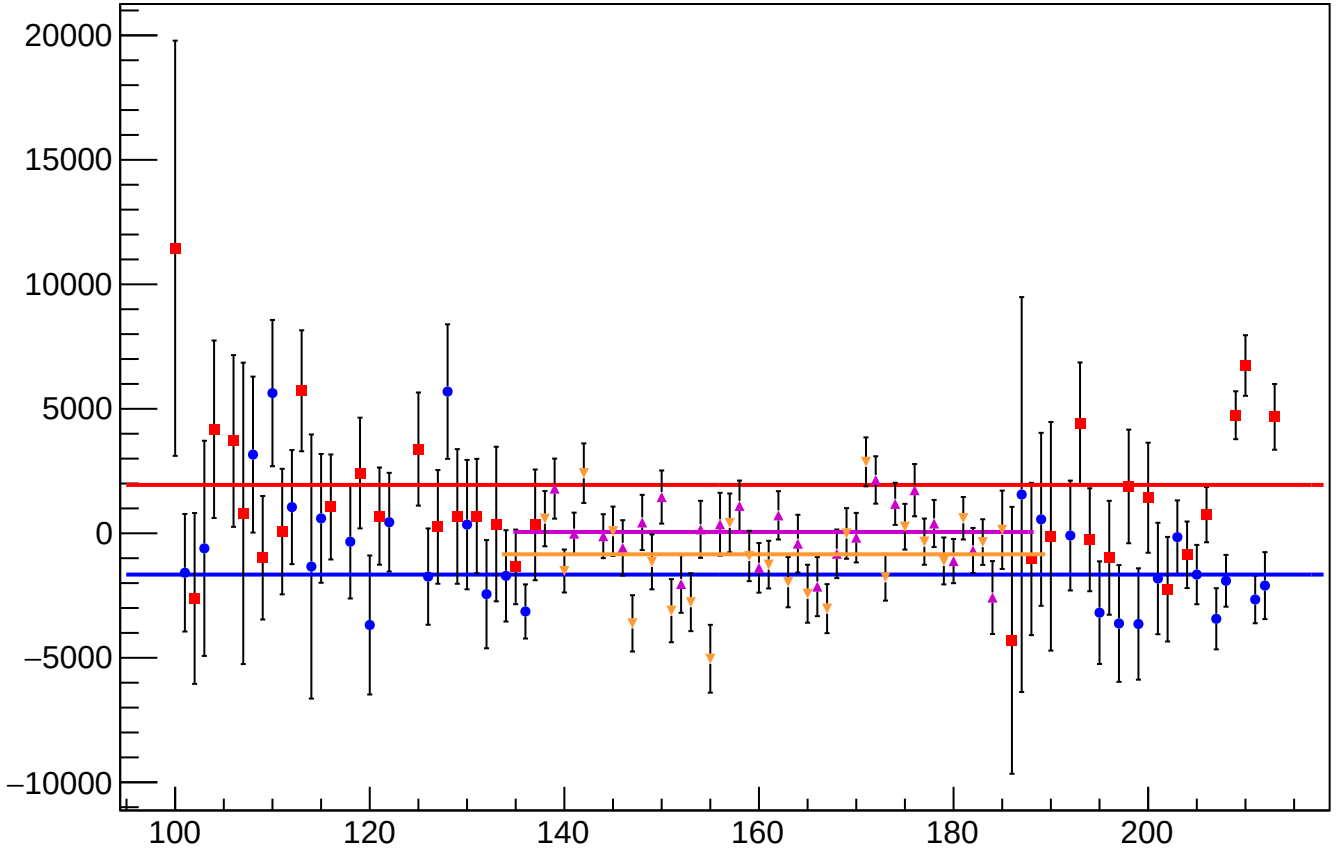
Right: 1789.534+/-0.213 χ^2/NDF: 1038739.9/60

In: 1755.935+/-0.209 χ^2/NDF:733524.9/51

Out: 1762.351+/-0.205 χ^2/NDF:346645.9/55

All: 1759.197+/-0.146 χ^2/NDF: 1080651.6/10

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1657.621+/-336.494 χ^2/NDF: 30.2/28

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

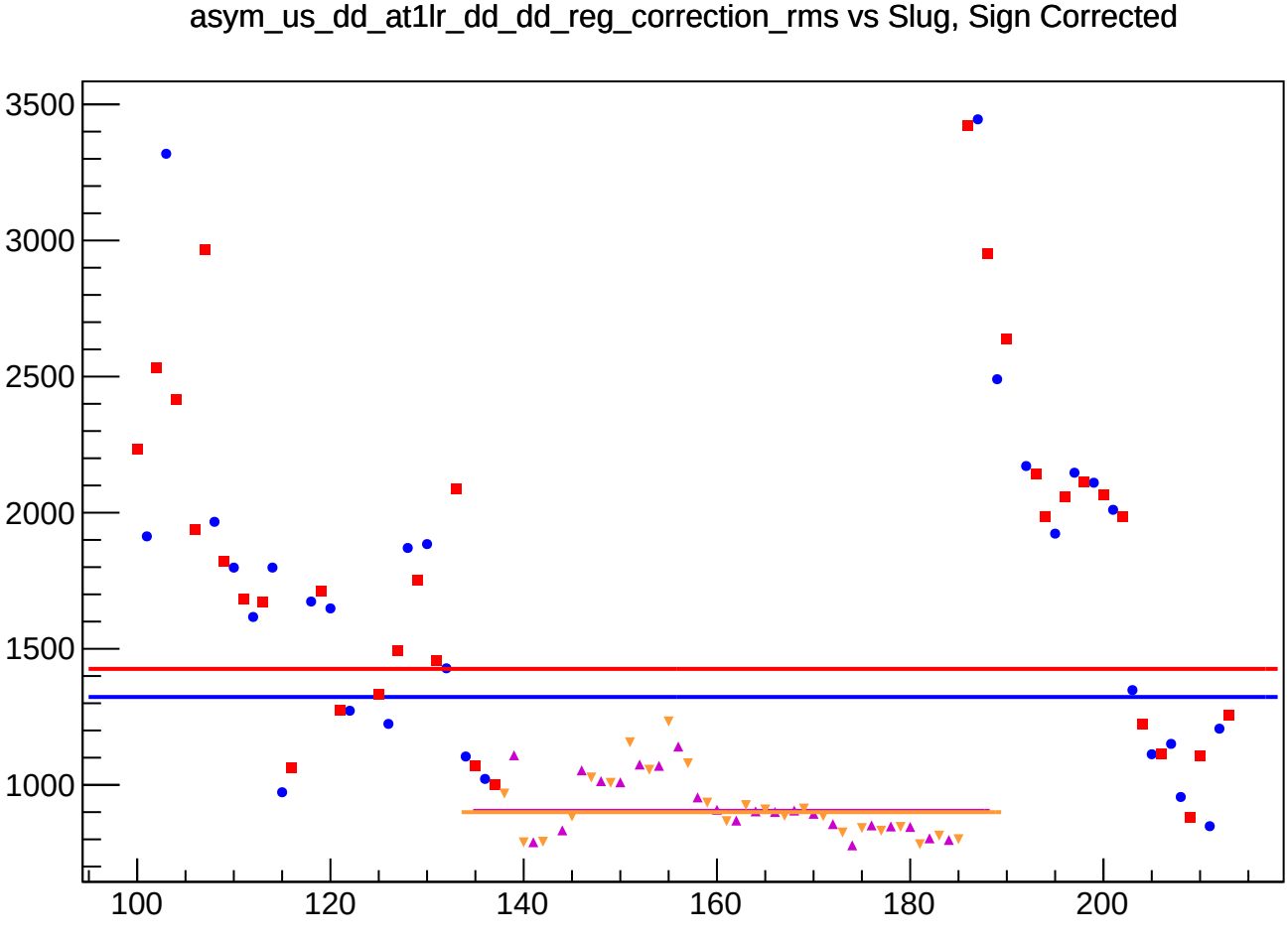
Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

Right: 57.667+/-243.504 χ^2/NDF: 144.8/60

In: -435.589+/-179.953 χ^2/NDF:79.3/51

Out: -109.303+/-180.994 χ^2/NDF:168.6/55

All: -273.387+/-127.613 χ^2/NDF: 249.6/107



Right In: 1322.944+/-0.238 χ^2/NDF: 3595851.3/28

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

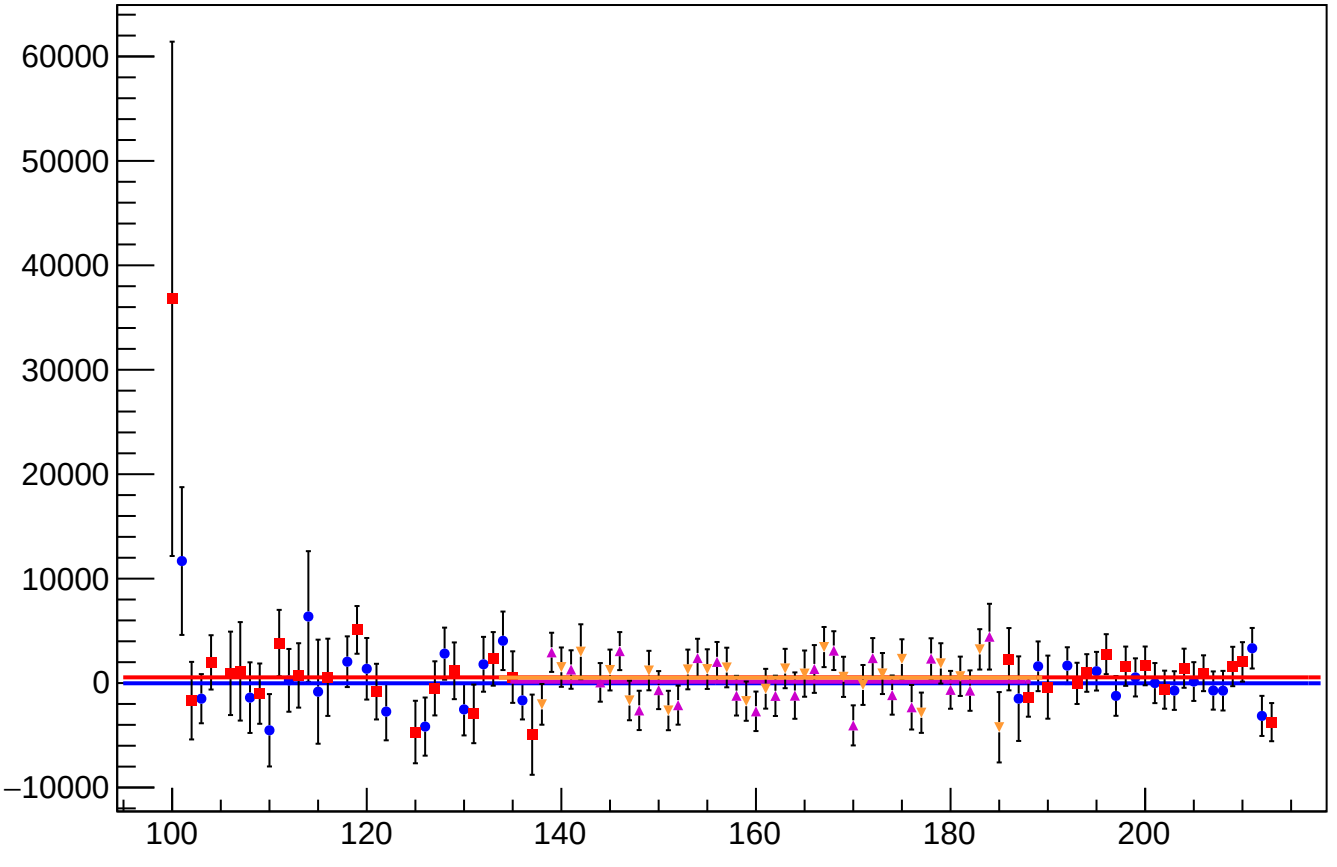
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1372.168+/-0.172 χ^2/NDF: 7637499.0/60

In: 1024.286+/-0.127 χ^2/NDF:6254702.7/51

Out: 1038.359+/-0.128 χ^2/NDF:7728444.9/55

All: 1031.282+/-0.090 χ^2/NDF: 13989228.4/1



Right In: -20.556+/-431.026 χ^2/NDF: 24.4/28

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

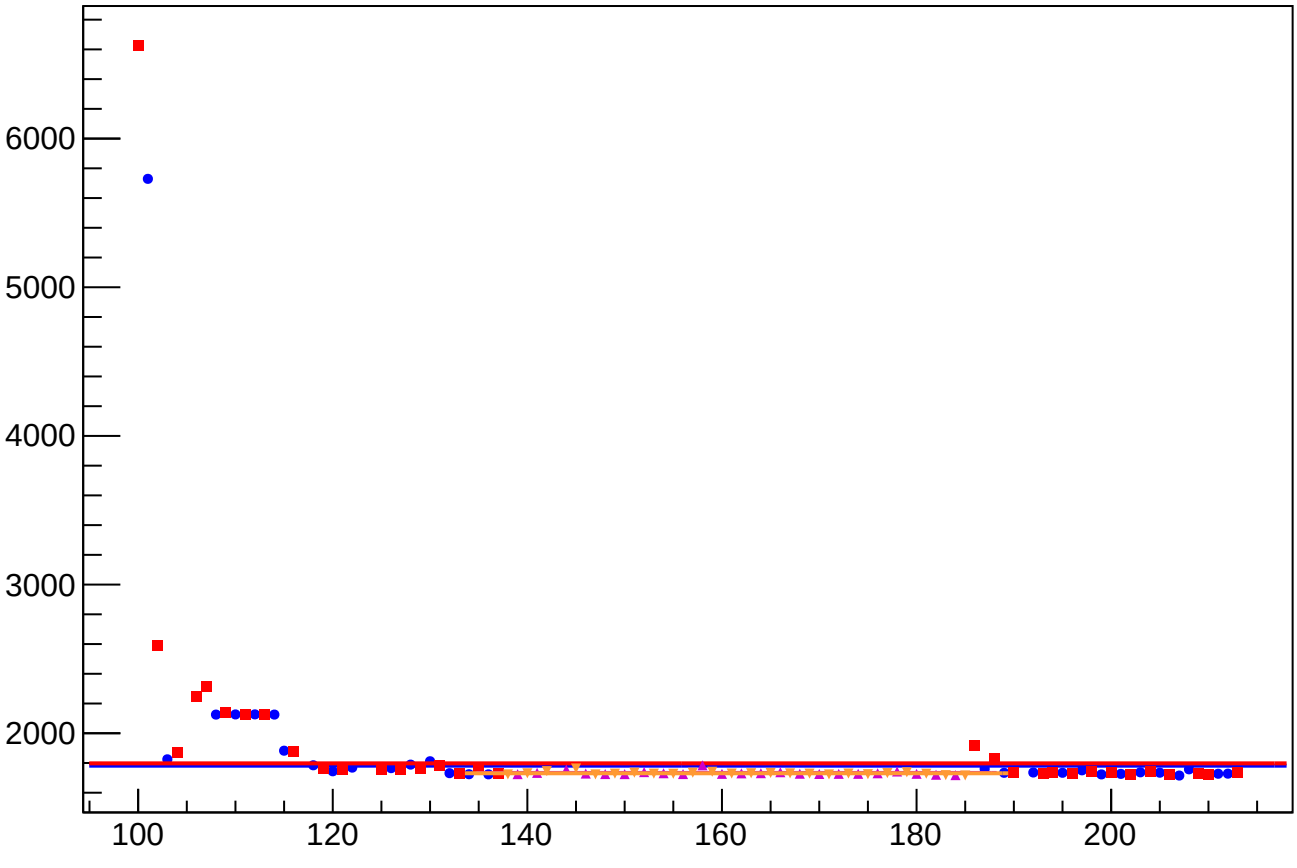
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 270.896+/-300.761 χ^2/NDF: 51.8/60

In: 57.395+/-295.007 χ^2/NDF:53.9/51

Out: 533.101+/-290.259 χ^2/NDF:47.3/55

All: 299.107+/-206.903 χ^2/NDF: 102.5/107



Right In: 1781.953+/-0.305 χ^2/NDF: 717578.5/28

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

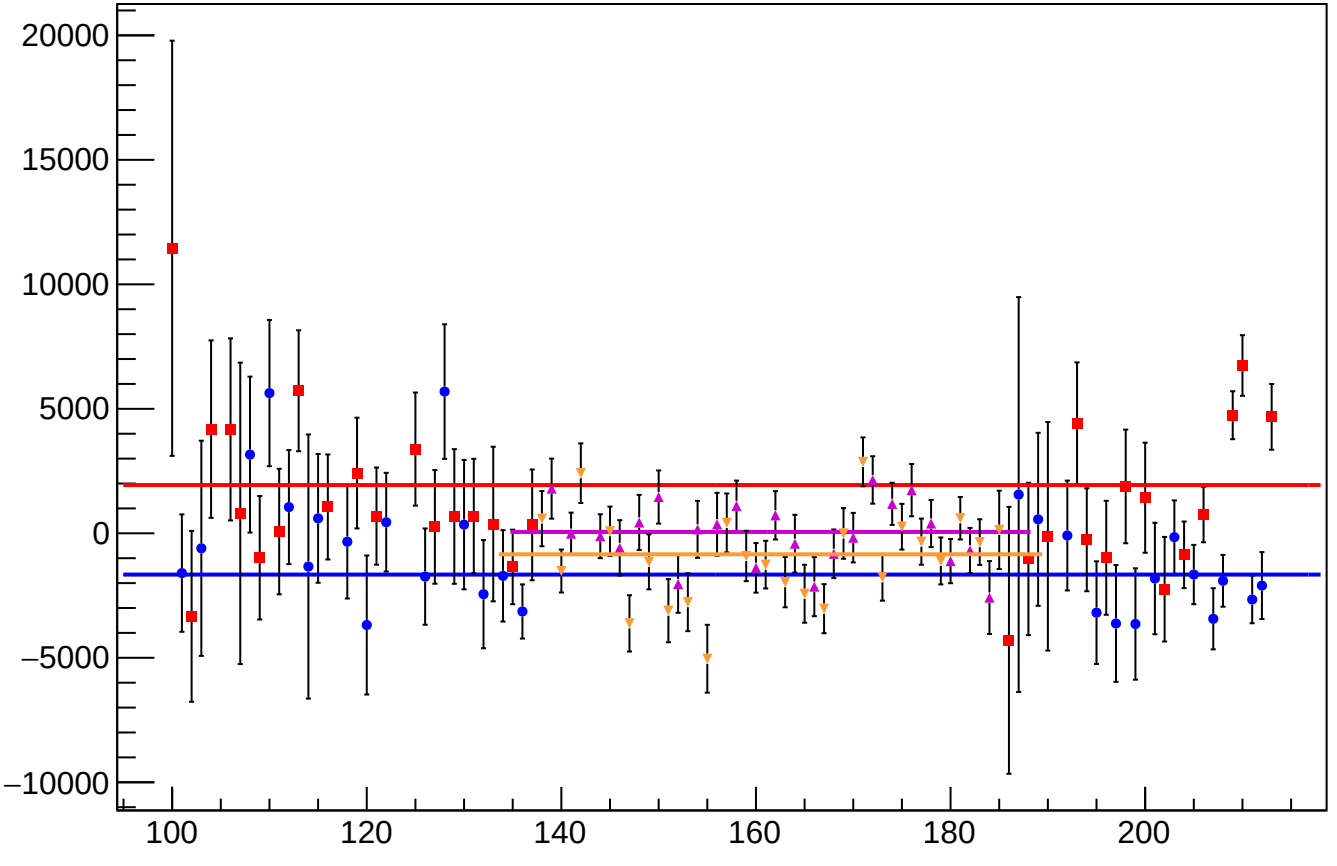
Right: 1789.917+/-0.213 χ^2/NDF: 1048364.9/60

In: 1755.935+/-0.209 χ^2/NDF:733524.7/51

Out: 1762.688+/-0.205 χ^2/NDF:356718.7/55

All: 1759.366+/-0.146 χ^2/NDF: 1090775.8/10

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1657.870+/-336.484 χ^2/NDF: 30.2/28

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

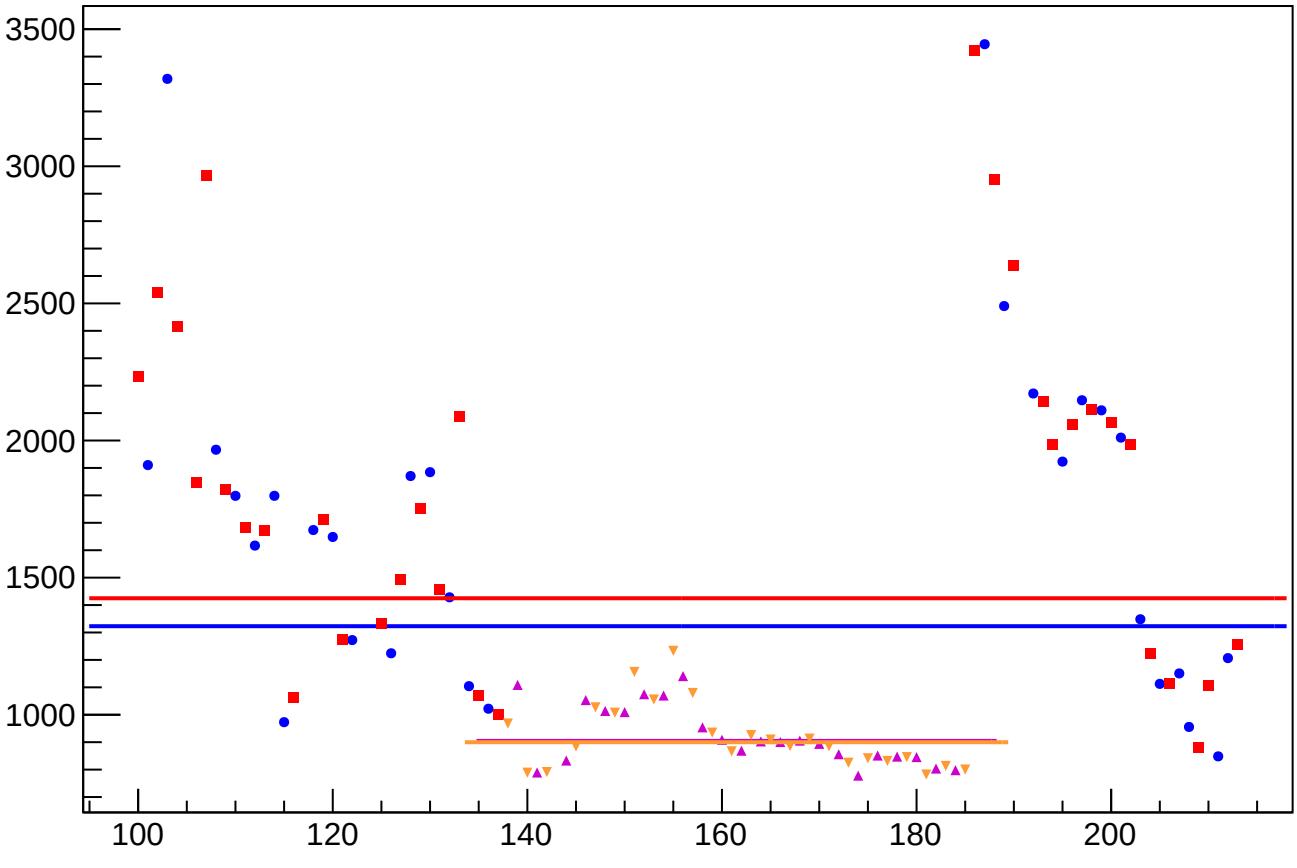
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: 53.950+/-243.567 χ^2/NDF: 145.3/60

In: -435.664+/-179.951 χ^2/NDF:79.4/51

Out: -111.328+/-181.022 χ^2/NDF:169.1/55

All: -274.457+/-127.622 χ^2/NDF: 250.1/107



Right In: 1322.917+/-0.238 χ^2/NDF: 3595178.2/28

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

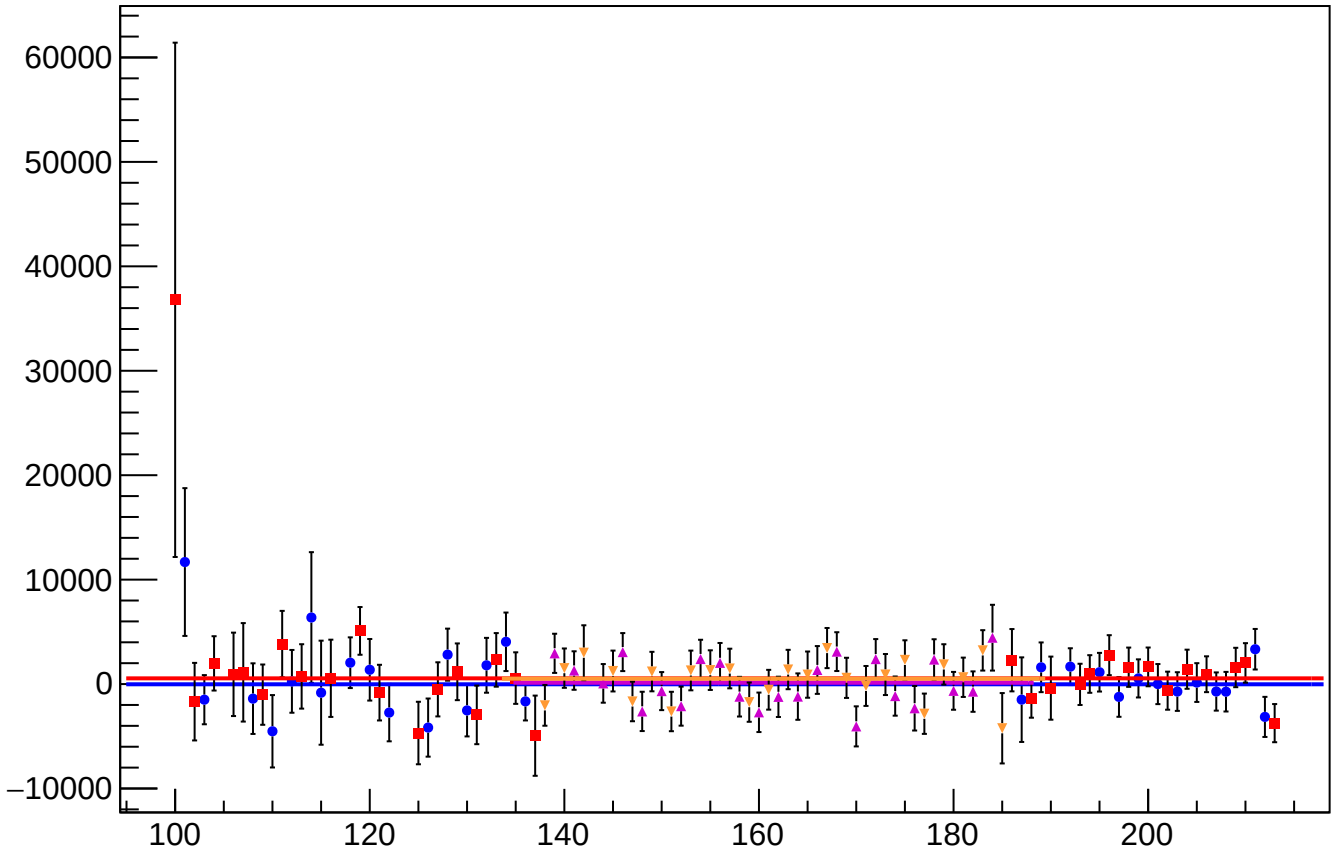
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1371.447+/-0.172 χ^2/NDF: 7618543.7/60

In: 1024.281+/-0.127 χ^2/NDF:6253893.5/51

Out: 1037.871+/-0.128 χ^2/NDF:7692092.1/55

All: 1031.036+/-0.090 χ^2/NDF: 13951655.7/1



Right In: -20.556+/-431.026 χ^2/NDF: 24.4/28

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

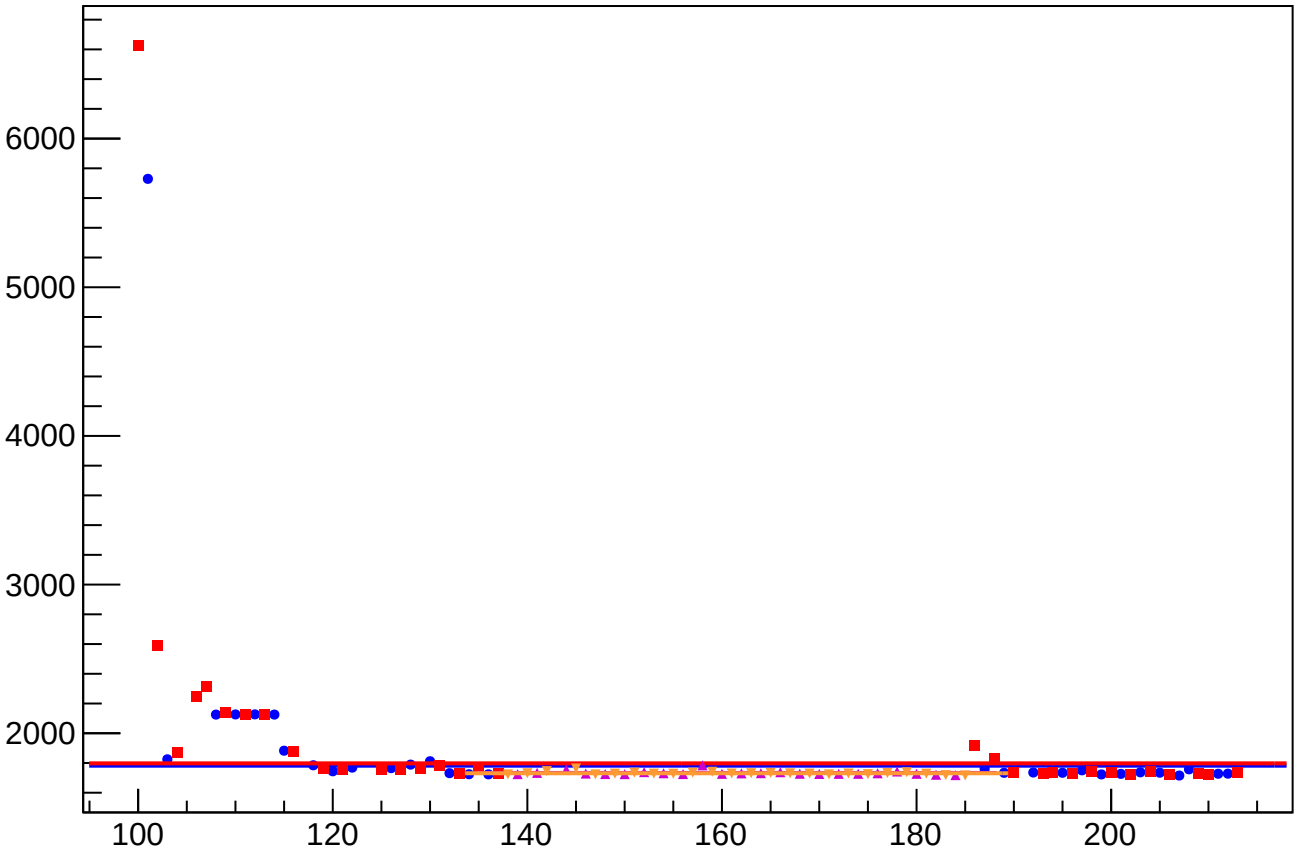
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 270.896+/-300.761 χ^2/NDF: 51.8/60

In: 57.395+/-295.007 χ^2/NDF:53.9/51

Out: 533.101+/-290.259 χ^2/NDF:47.3/55

All: 299.107+/-206.903 χ^2/NDF: 102.5/107



Right In: 1781.953+/-0.305 χ^2/NDF: 717578.5/28

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

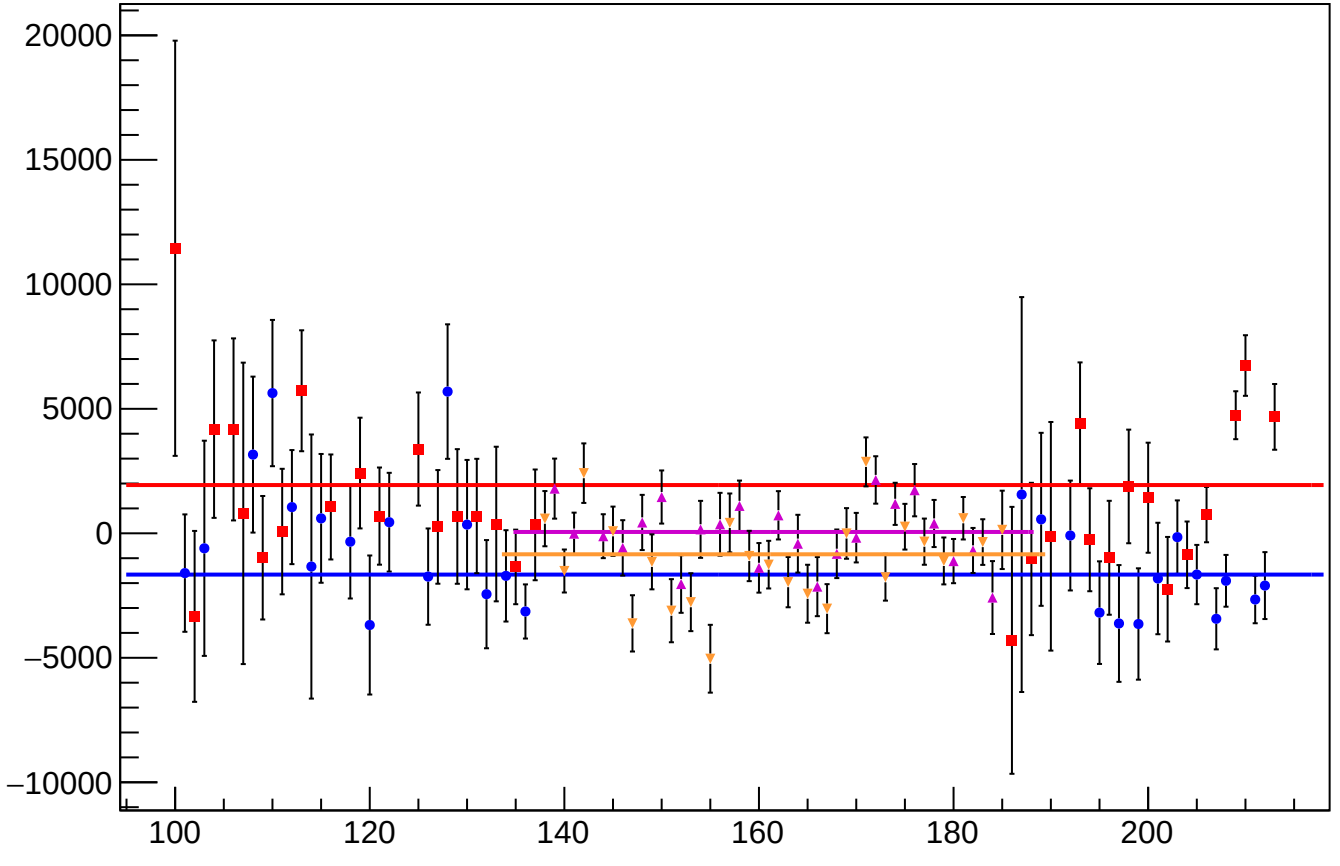
Right: 1789.917+/-0.213 χ^2/NDF: 1048364.9/60

In: 1755.935+/-0.209 χ^2/NDF:733524.7/51

Out: 1762.688+/-0.205 χ^2/NDF:356718.7/55

All: 1759.366+/-0.146 χ^2/NDF: 1090775.8/10

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1657.870+/-336.484 χ^2/NDF: 30.2/28

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

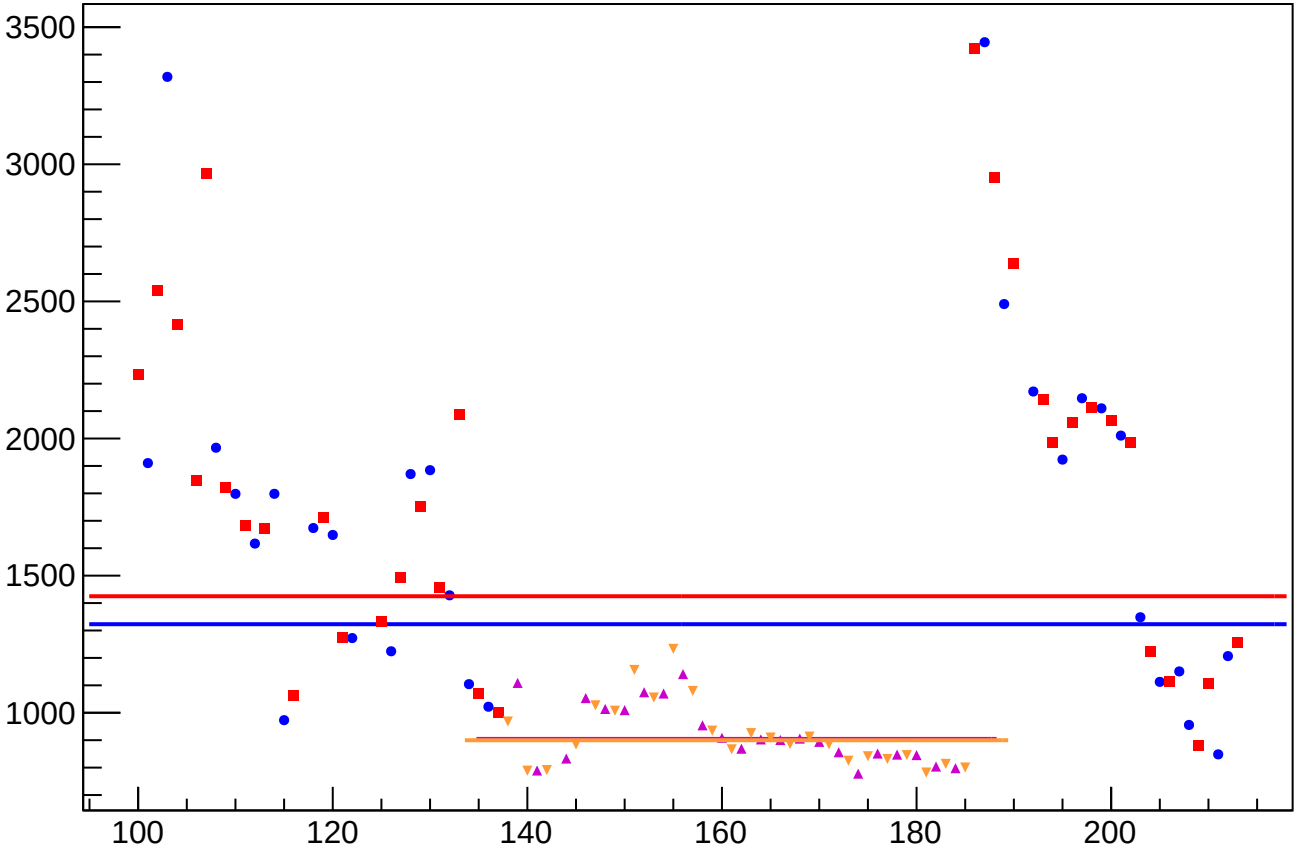
Right: 53.950+/-243.567 χ^2/NDF: 145.3/60

In: -435.664+/-179.951 χ^2/NDF:79.4/51

Out: -111.328+/-181.022 χ^2/NDF:169.1/55

All: -274.457+/-127.622 χ^2/NDF: 250.1/107

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1322.917+/-0.238 χ^2/NDF: 3595178.2/28

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

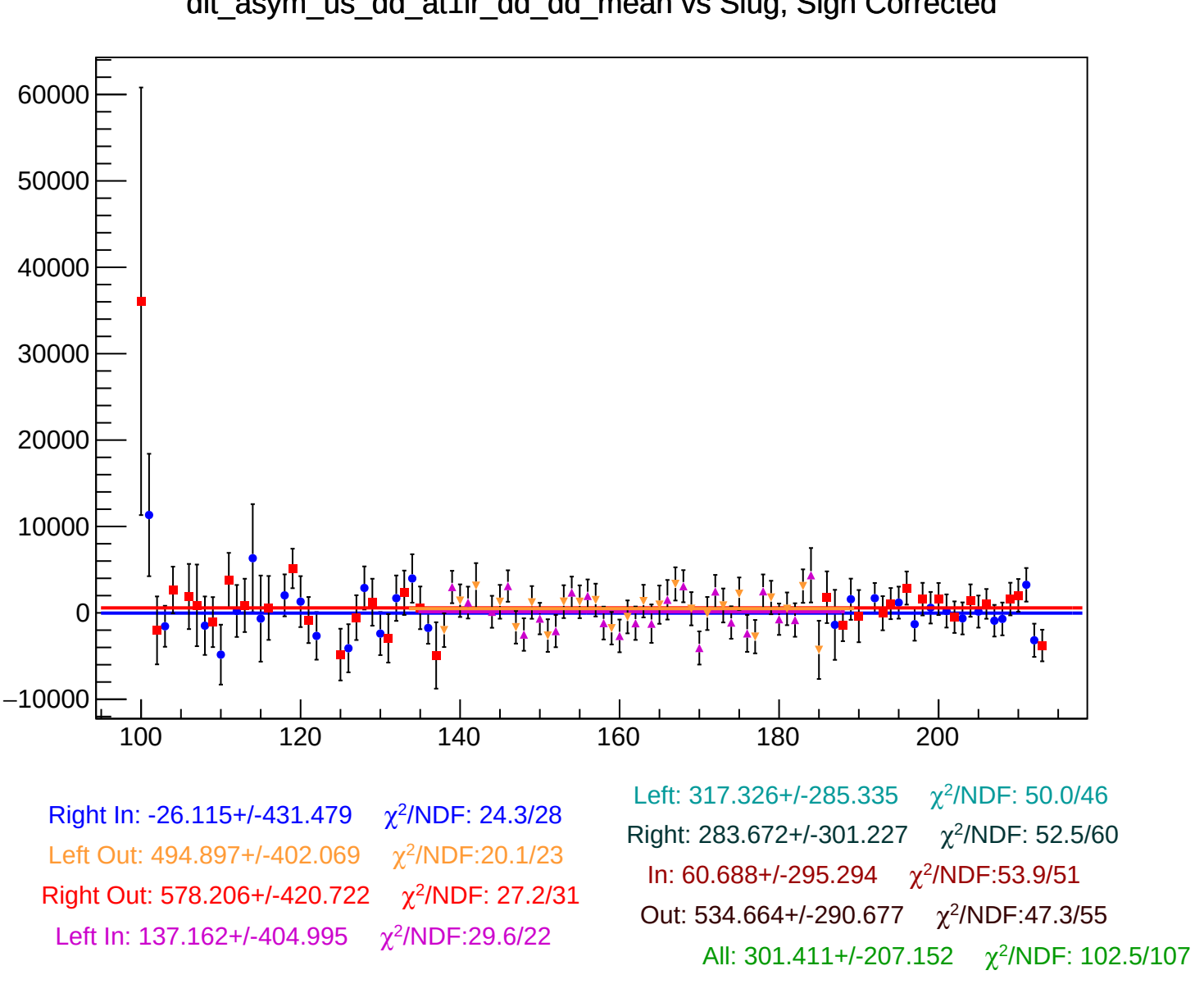
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

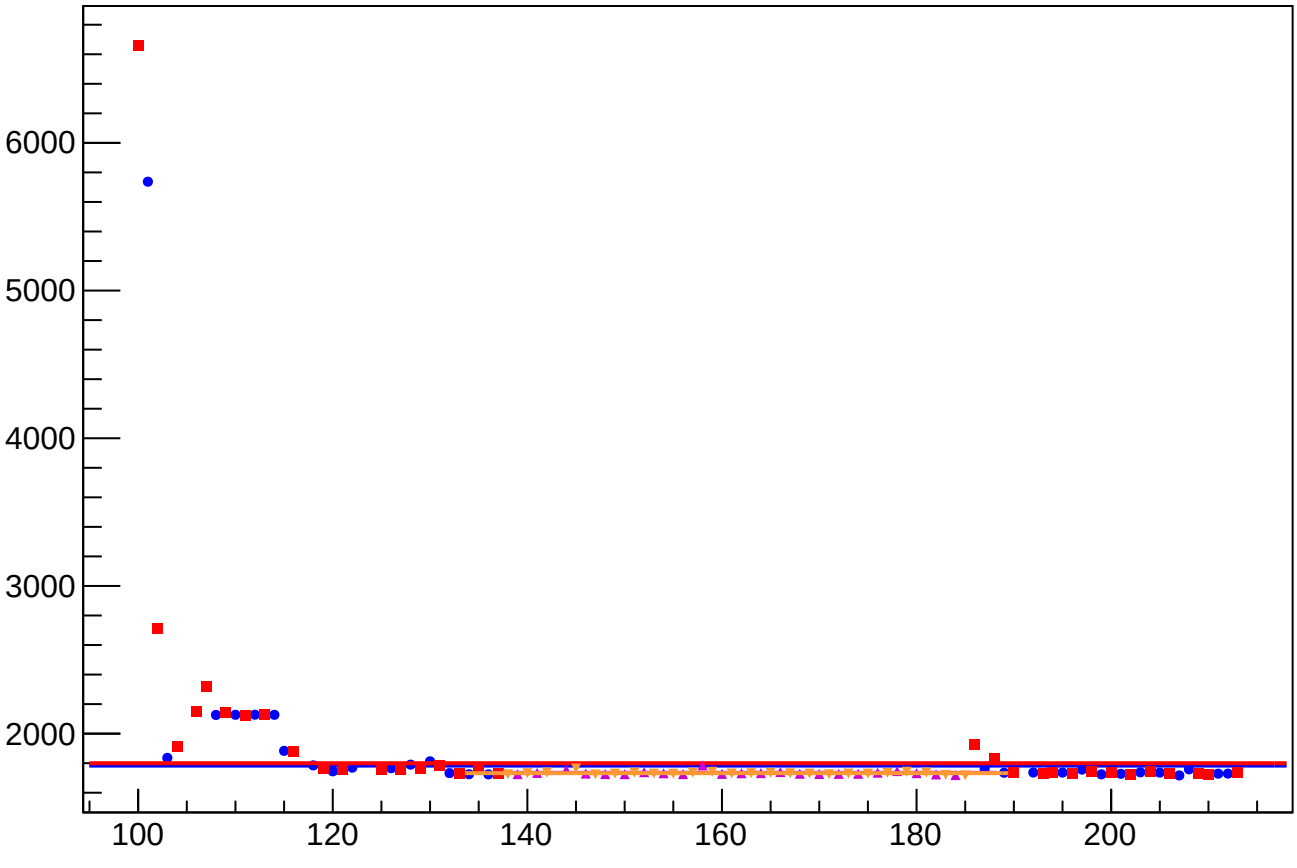
Right: 1371.447+/-0.172 χ^2/NDF: 7618543.7/60

In: 1024.281+/-0.127 χ^2/NDF:6253893.5/51

Out: 1037.871+/-0.128 χ^2/NDF:7692092.1/55

All: 1031.036+/-0.090 χ^2/NDF: 13951655.7/1


dit_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: -26.115+/-431.479 χ²/NDF: 24.3/28
Left Out: 494.897+/-402.069 χ²/NDF:20.1/23
Right Out: 578.206+/-420.722 χ²/NDF: 27.2/31
Left In: 137.162+/-404.995 χ²/NDF:29.6/22
Left: 317.326+/-285.335 χ²/NDF: 50.0/46
Right: 283.672+/-301.227 χ²/NDF: 52.5/60
In: 60.688+/-295.294 χ²/NDF:53.9/51
Out: 534.664+/-290.677 χ²/NDF:47.3/55
All: 301.411+/-207.152 χ²/NDF: 102.5/107



Right In: 1783.703+/-0.305 χ^2/NDF: 717991.9/28

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

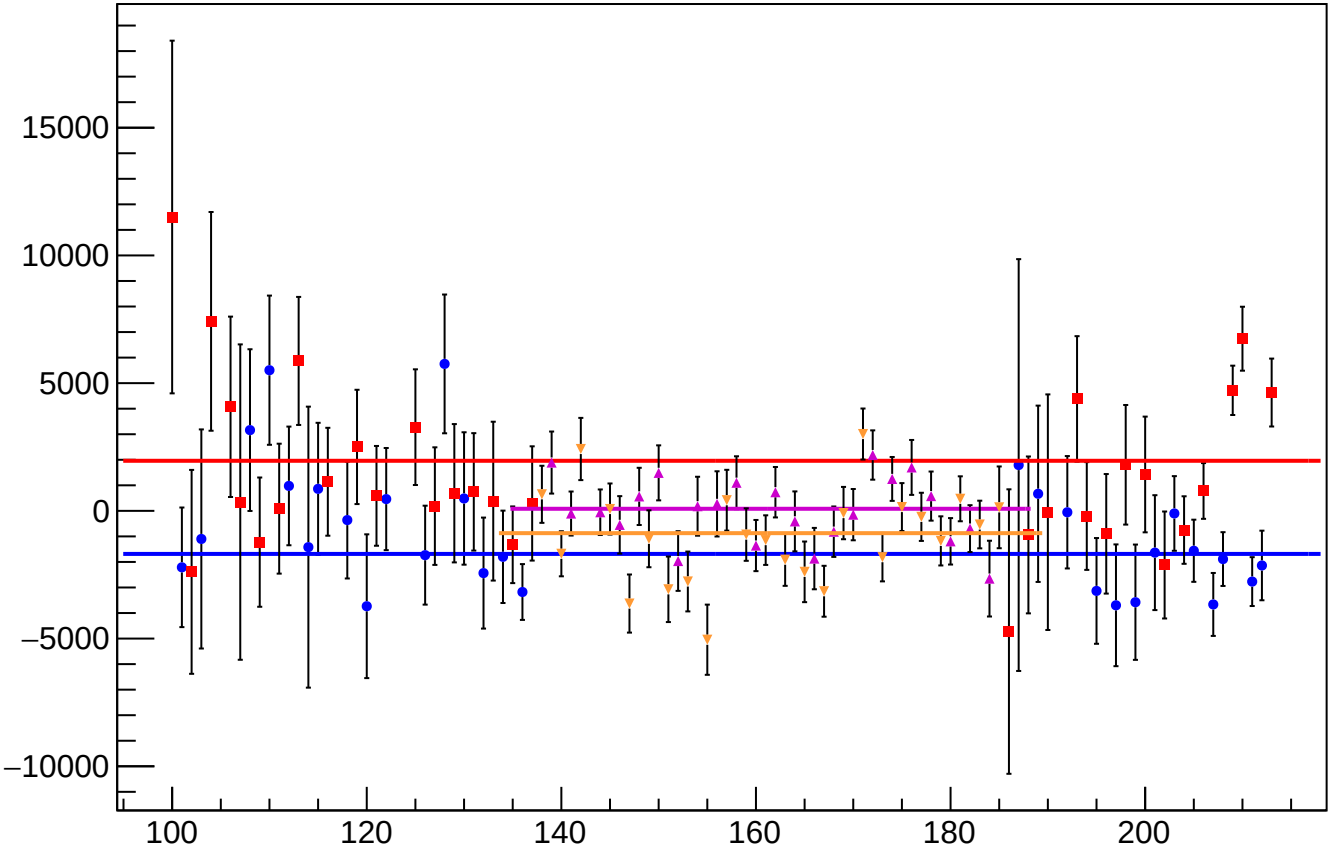
Right: 1791.916+/-0.213 χ^2/NDF: 1059628.7/60

In: 1757.581+/-0.209 χ^2/NDF:733995.4/51

Out: 1764.531+/-0.206 χ^2/NDF:367910.3/55

All: 1761.111+/-0.146 χ^2/NDF: 1102468.3/10

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1685.645+/-338.215 χ^2/NDF: 31.3/28

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

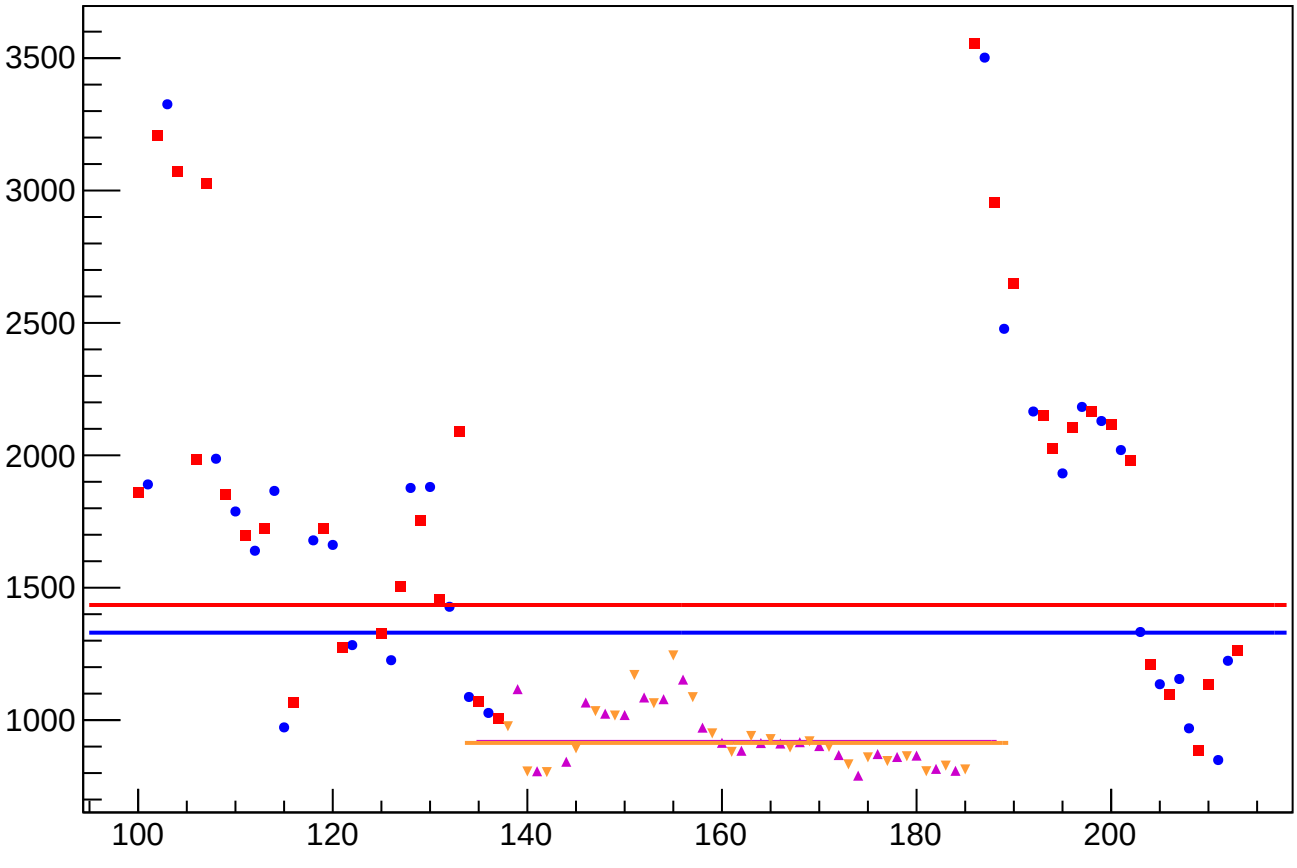
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 46.264+/-245.063 χ^2/NDF: 146.0/60

In: -430.148+/-181.991 χ^2/NDF:80.6/51

Out: -119.398+/-183.360 χ^2/NDF:168.1/55

All: -275.937+/-129.168 χ^2/NDF: 250.2/107



Right In: 1330.211+/-0.239 χ^2/NDF: 3584969.0/28

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

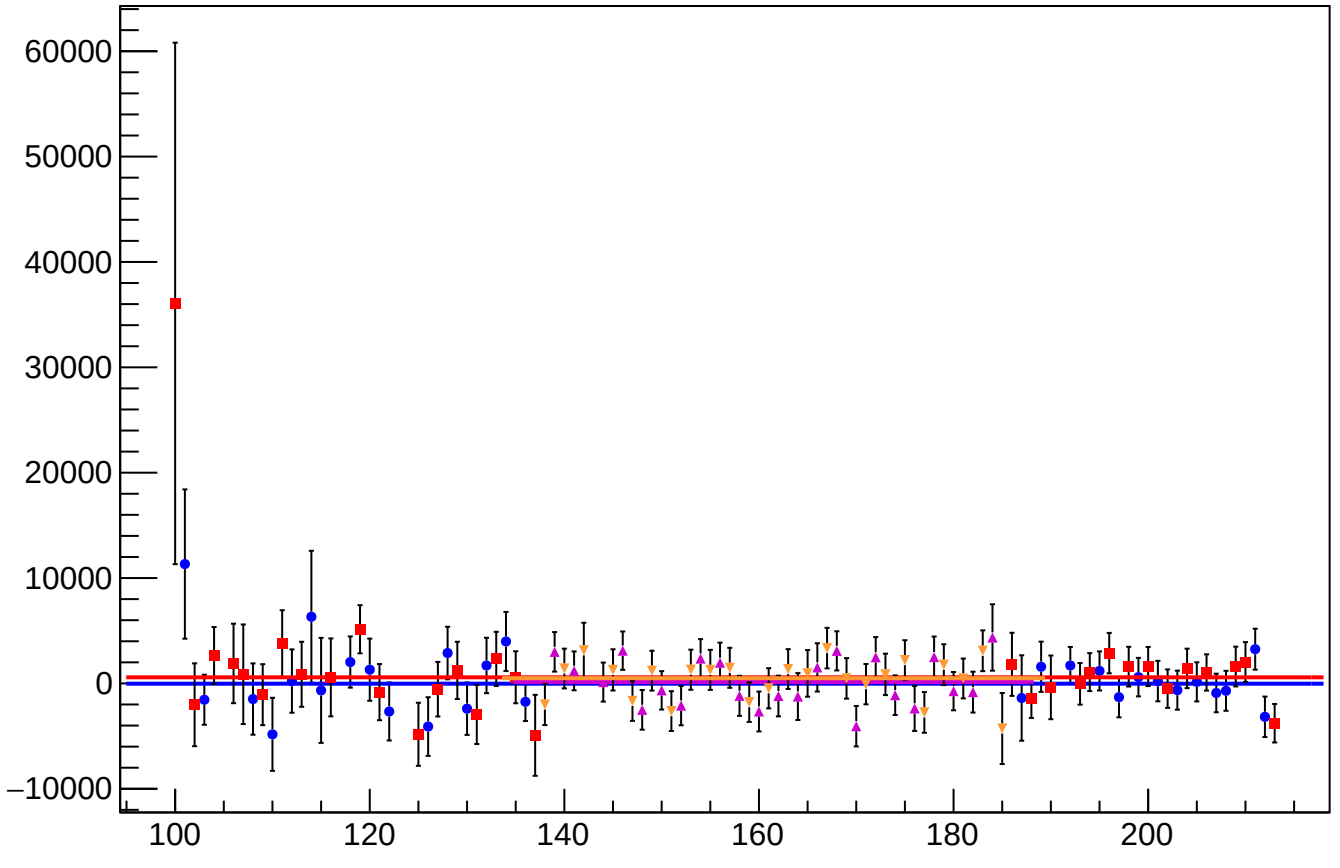
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1379.863+/-0.173 χ^2/NDF: 8047171.3/60

In: 1037.121+/-0.129 χ^2/NDF:6129483.8/51

Out: 1052.397+/-0.130 χ^2/NDF:7984408.2/55

All: 1044.702+/-0.091 χ^2/NDF: 14120885.4/1



Right In: -26.114+/-431.479 χ^2/NDF: 24.3/28

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

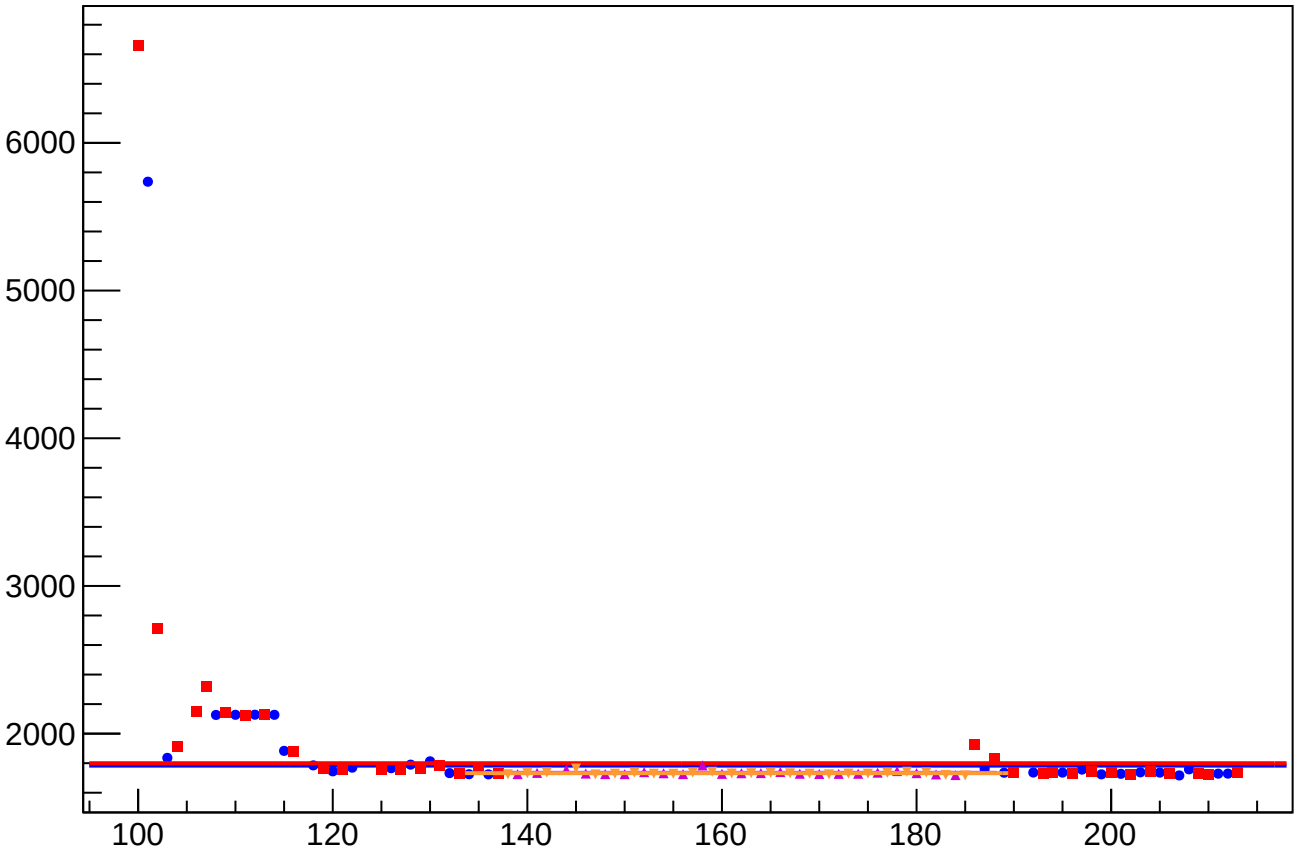
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 283.672+/-301.227 χ^2/NDF: 52.5/60

In: 60.689+/-295.294 χ^2/NDF:53.9/51

Out: 534.663+/-290.677 χ^2/NDF:47.3/55

All: 301.410+/-207.152 χ^2/NDF: 102.5/107



Right In: 1783.703+/-0.305 χ^2/NDF: 717991.9/28

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

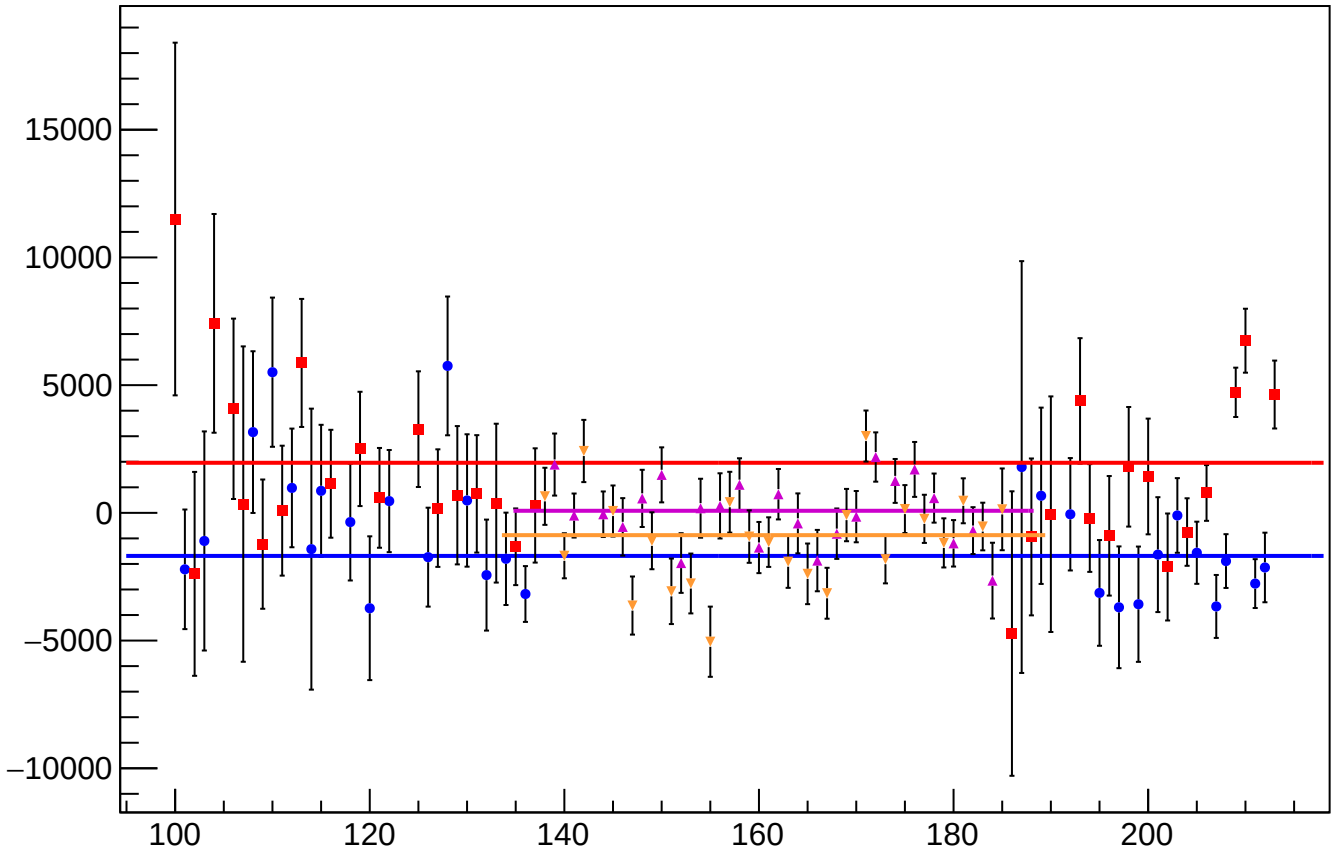
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1791.916+/-0.213 χ^2/NDF: 1059628.4/60

In: 1757.581+/-0.209 χ^2/NDF:733995.3/51

Out: 1764.531+/-0.206 χ^2/NDF:367910.0/55

All: 1761.111+/-0.146 χ^2/NDF: 1102468.0/10



Right In: -1685.640+/-338.215 χ^2/NDF: 31.3/28

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

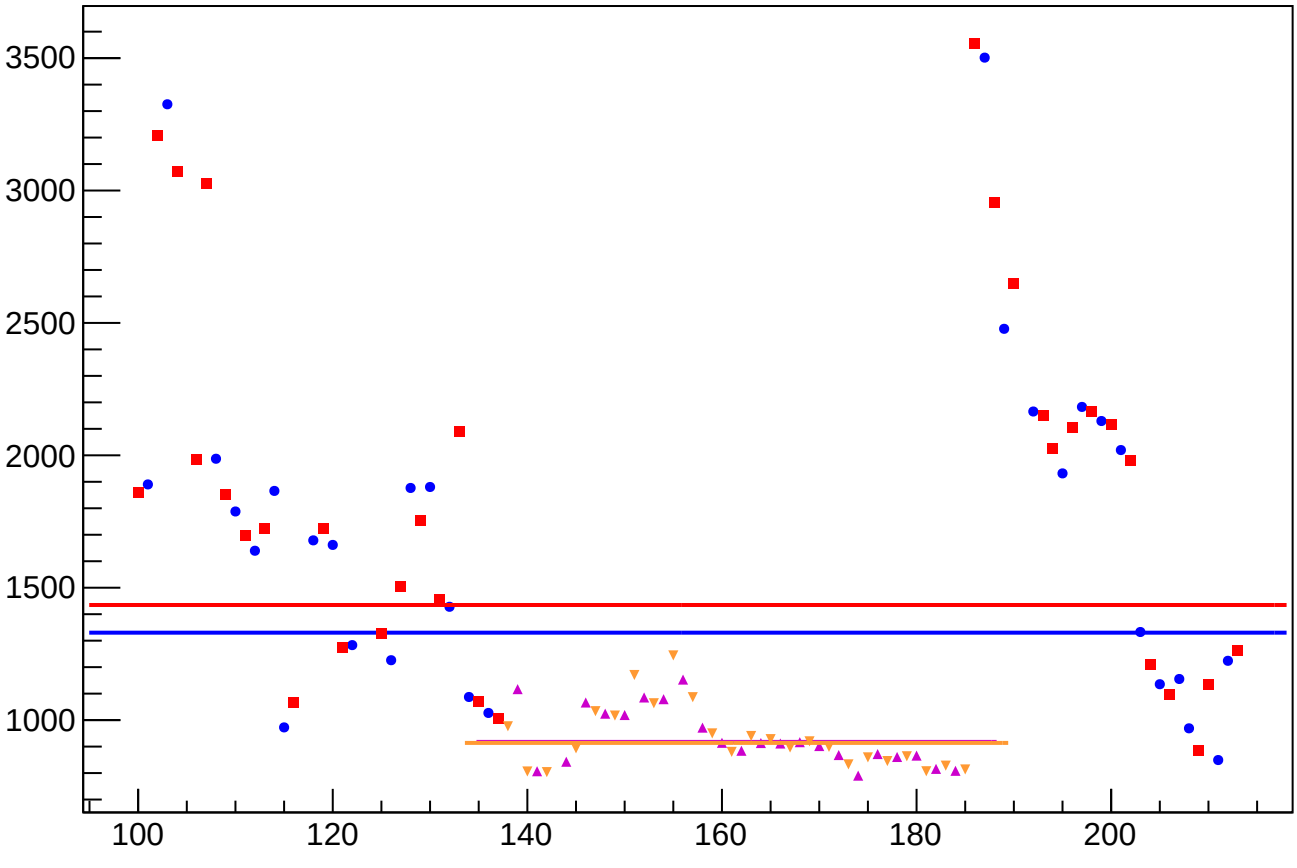
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 46.268+/-245.062 χ^2/NDF: 146.0/60

In: -430.148+/-181.990 χ^2/NDF:80.6/51

Out: -119.395+/-183.359 χ^2/NDF:168.1/55

All: -275.936+/-129.168 χ^2/NDF: 250.2/107



Right In: 1330.210+/-0.239 χ^2/NDF: 3584963.3/28

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

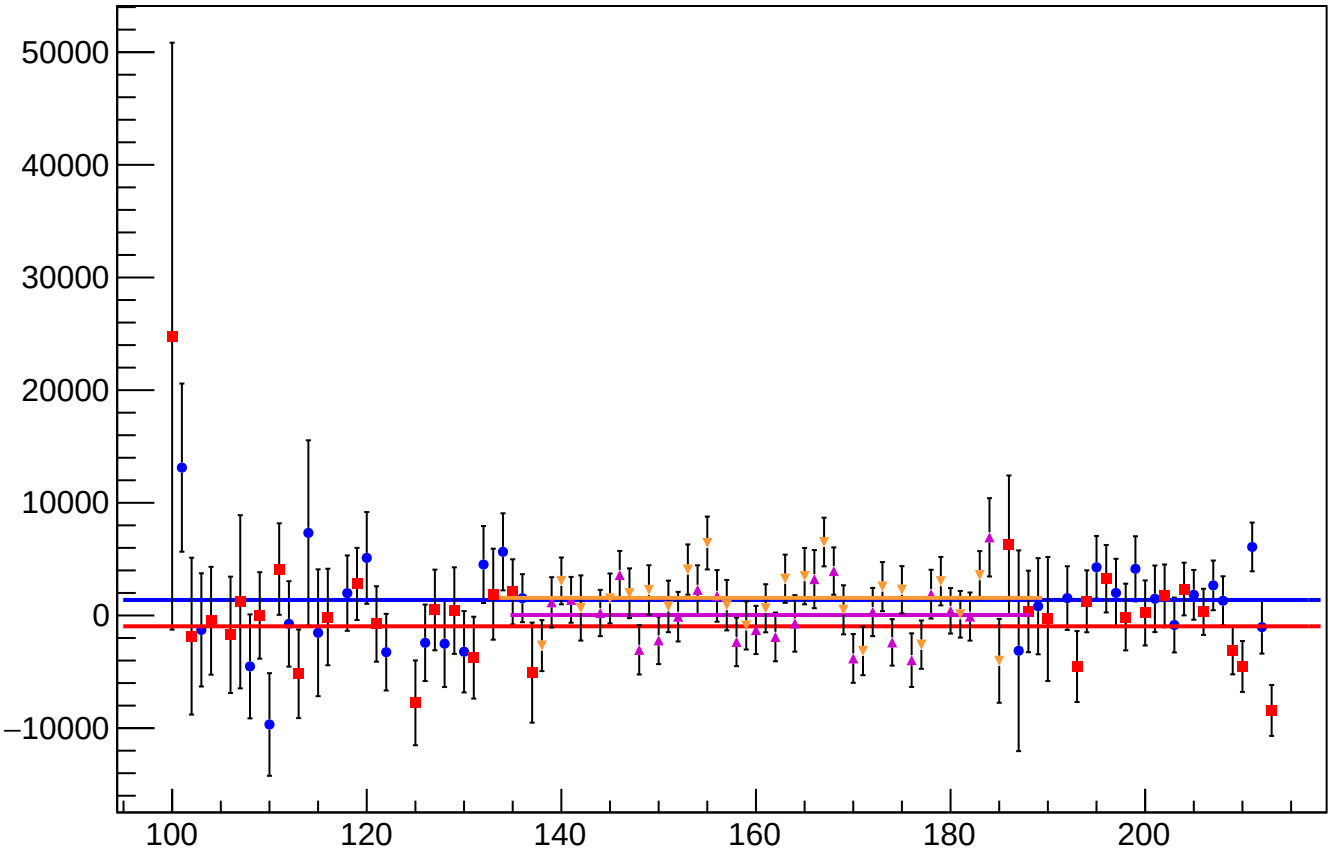
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1379.861+/-0.173 χ^2/NDF: 8047179.2/60

In: 1037.120+/-0.129 χ^2/NDF:6129486.9/51

Out: 1052.397+/-0.130 χ^2/NDF:7984413.9/55

All: 1044.701+/-0.091 χ^2/NDF: 14120894.1/1



Right In: 1377.360+/-579.423 χ^2/NDF: 29.8/28

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

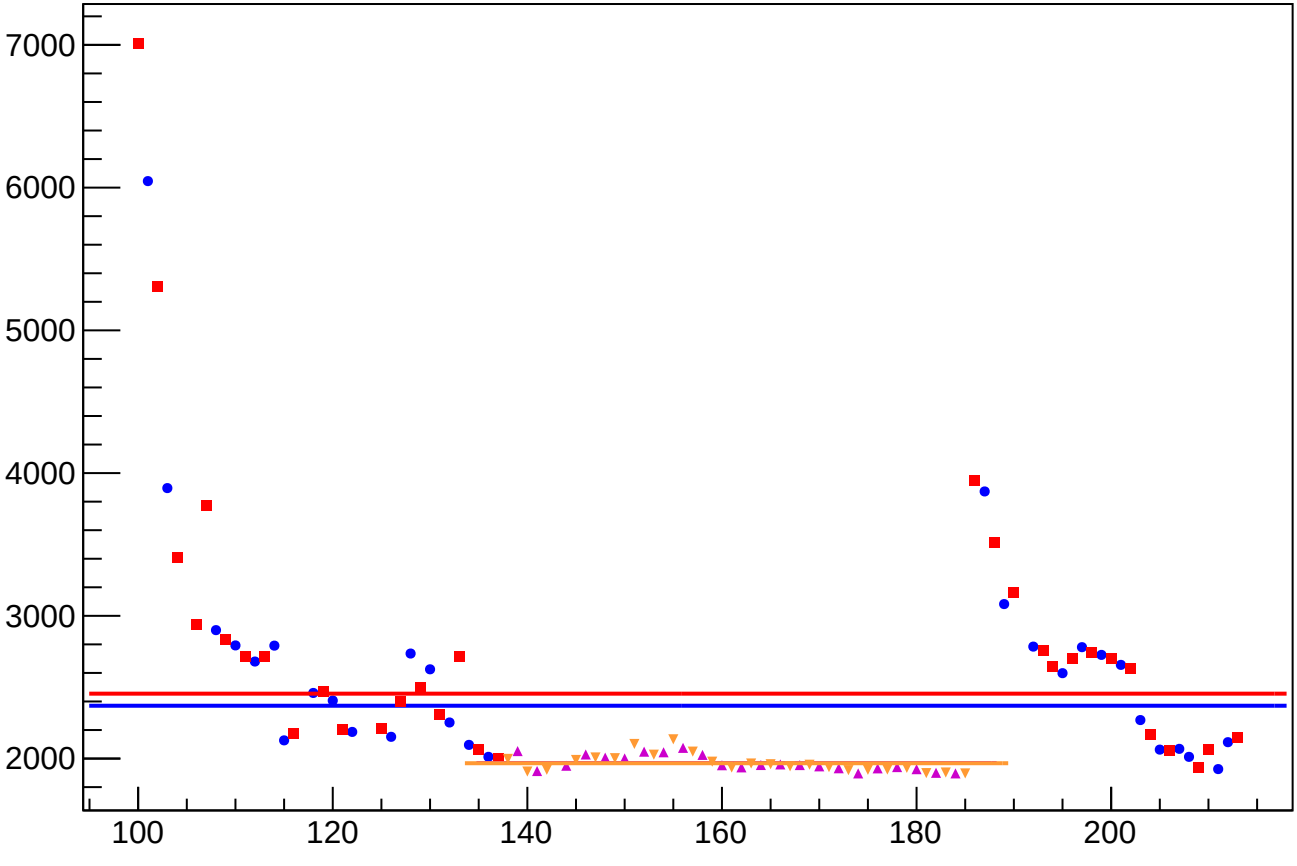
Right: 211.846+/-410.407 χ^2/NDF: 73.3/60

In: 556.871+/-360.240 χ^2/NDF:60.8/51

Out: 598.137+/-359.232 χ^2/NDF:78.3/55

All: 577.562+/-254.371 χ^2/NDF: 139.1/107

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2370.157+/-0.410 χ^2/NDF: 1346839.9/28

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

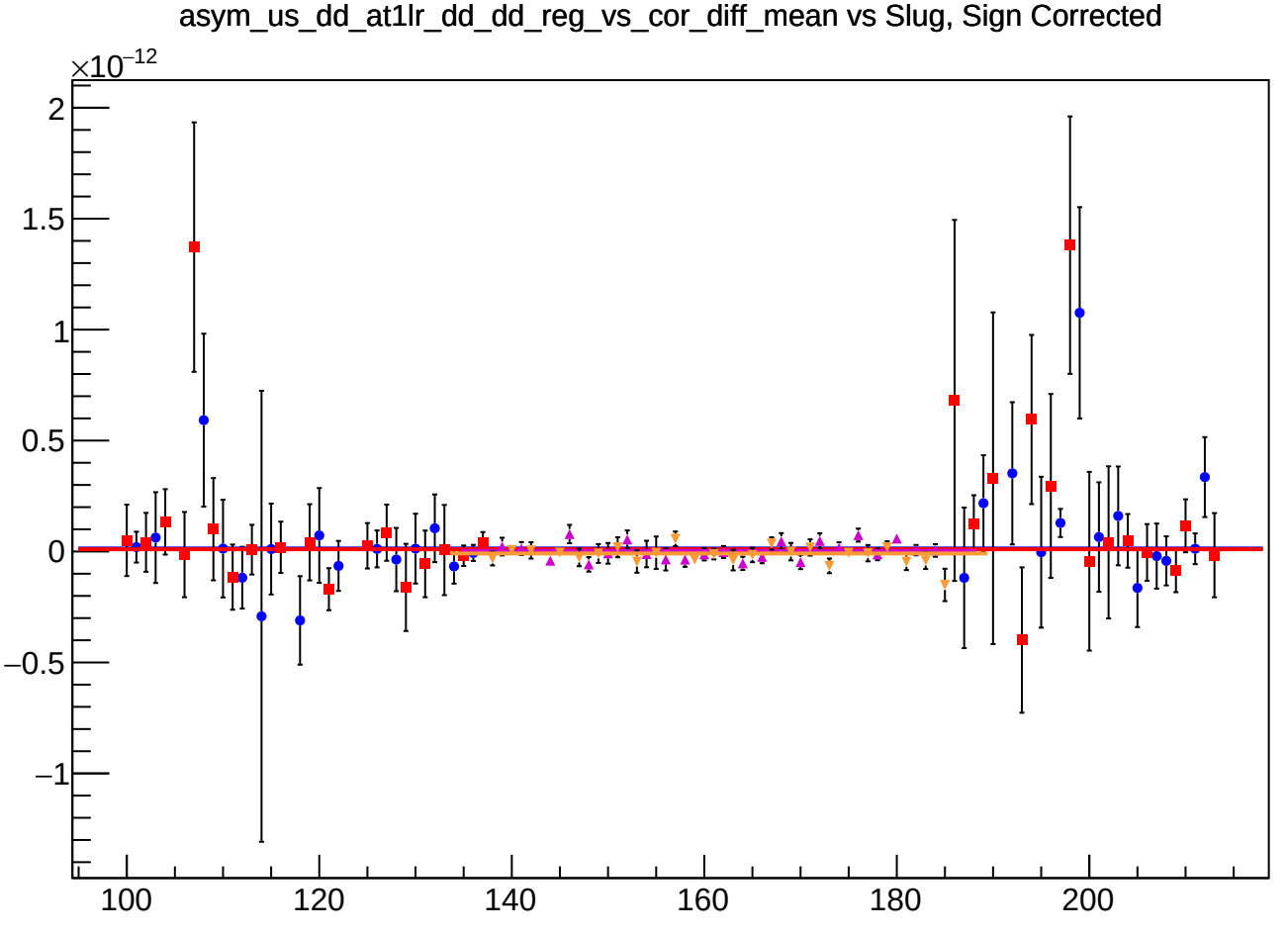
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2412.311+/-0.290 χ^2/NDF: 2780731.8/60

In: 2124.076+/-0.255 χ^2/NDF:1961402.6/51

Out: 2153.473+/-0.254 χ^2/NDF:2315616.1/55

All: 2138.816+/-0.180 χ^2/NDF: 4283696.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/28

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

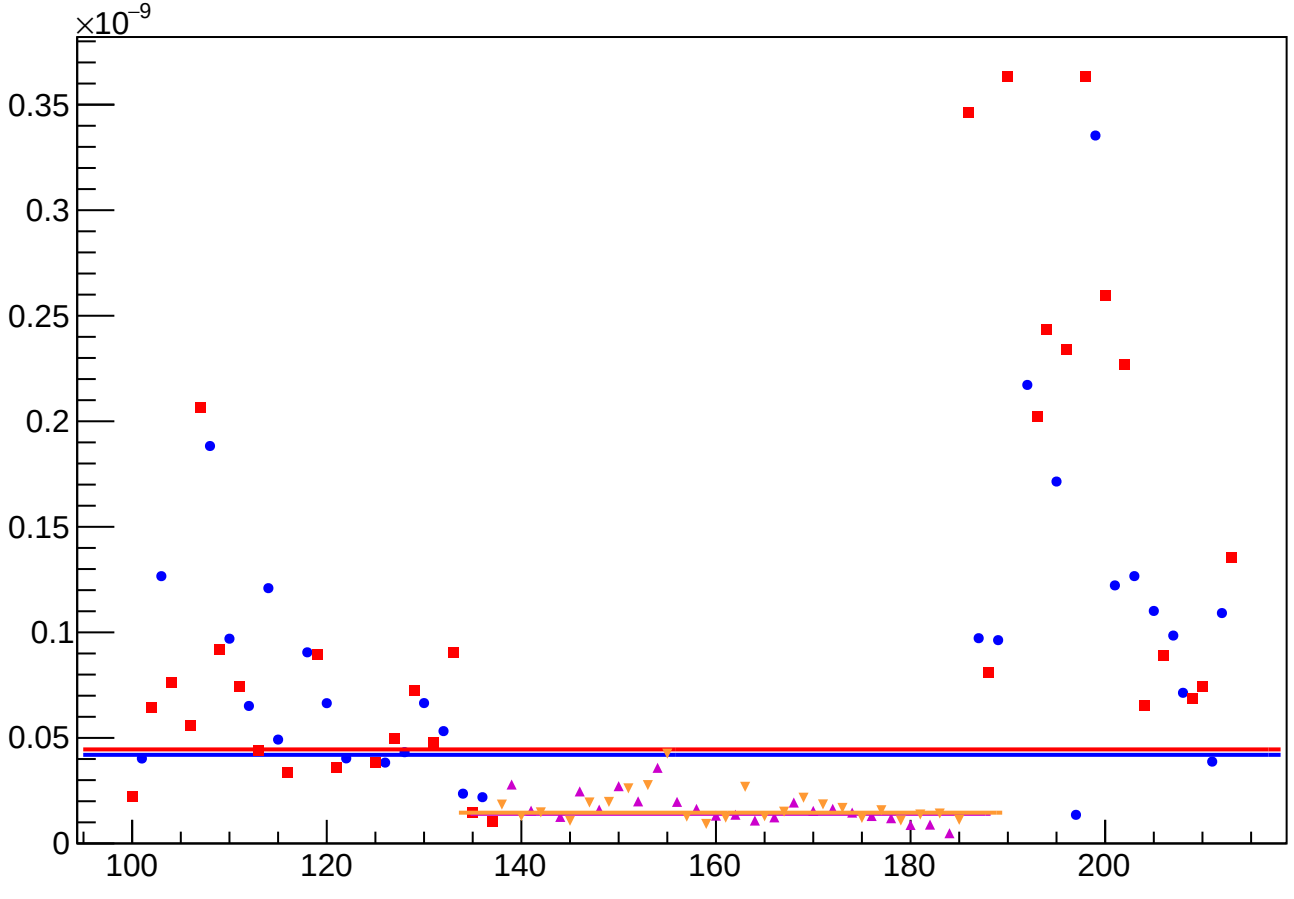
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 50.5/60

In: 0.000+/-0.000 χ^2/NDF:63.0/51

Out: -0.000+/-0.000 χ^2/NDF:48.2/55

All: -0.000+/-0.000 χ^2/NDF: 112.7/107



Right In: 0.000+/-0.000 χ^2/NDF: 5506534.8/28

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

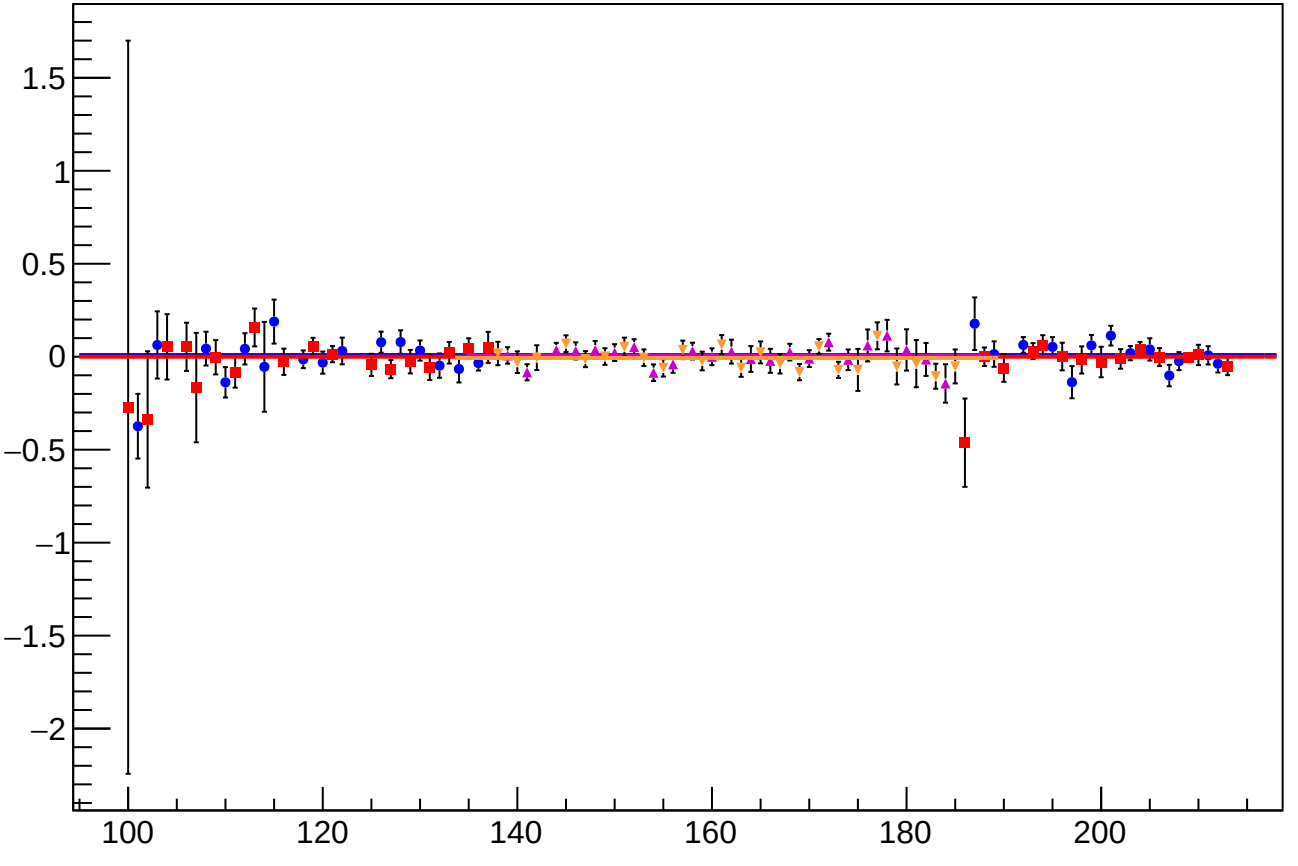
Right: 0.000+/-0.000 χ^2/NDF: 13138372.5/60

In: 0.000+/-0.000 χ^2/NDF:10362561.1/51

Out: 0.000+/-0.000 χ^2/NDF:12288482.9/55

All: 0.000+/-0.000 χ^2/NDF: 22658833.5/107

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 34.3/28

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

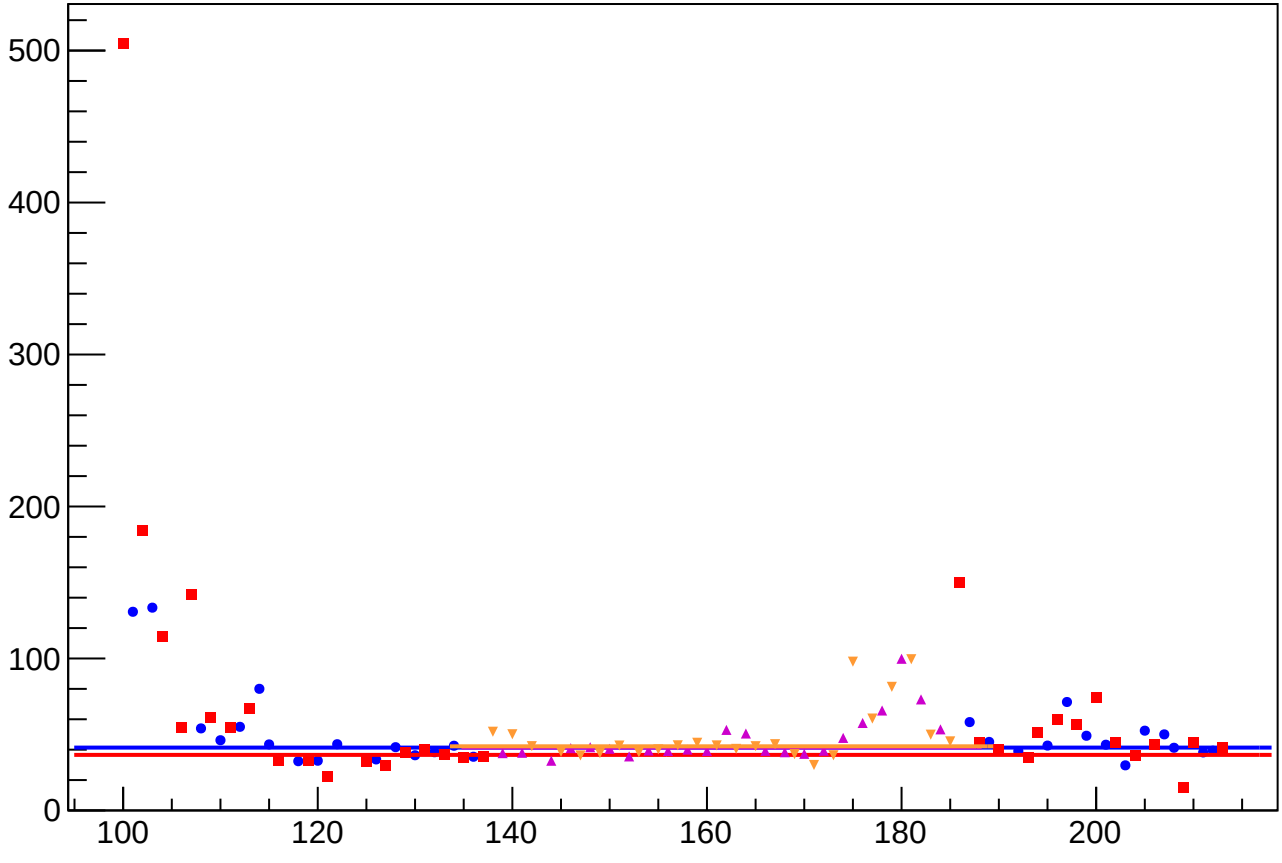
Right: 0.004+/-0.008 χ^2/NDF: 53.8/60

In: 0.008+/-0.008 χ^2/NDF:54.4/51

Out: -0.003+/-0.008 χ^2/NDF:43.3/55

All: 0.002+/-0.005 χ^2/NDF: 98.7/107

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.363+/-0.008 χ^2/NDF: 2051868.2/28

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

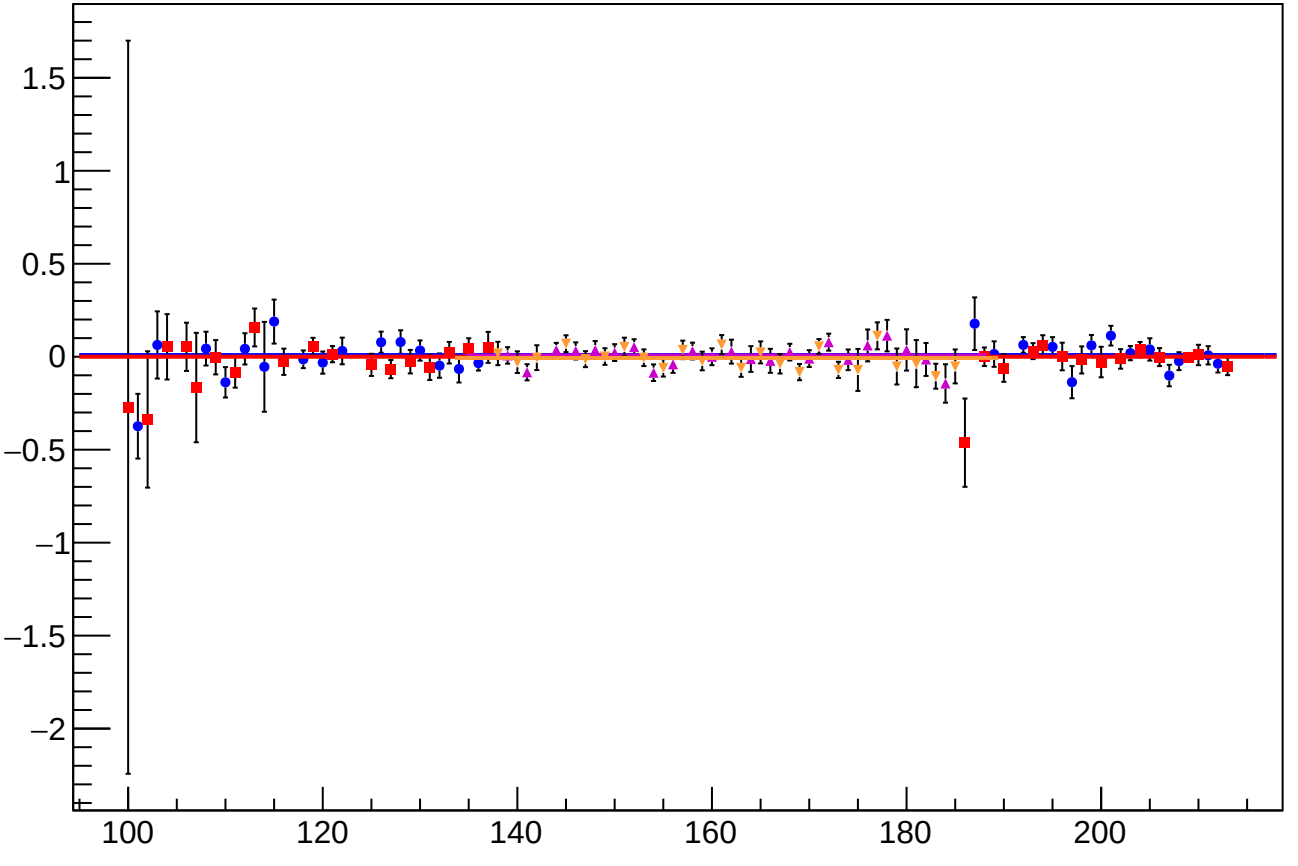
Right: 38.777+/-0.005 χ^2/NDF: 7148519.0/60

In: 41.393+/-0.005 χ^2/NDF:3464073.2/51

Out: 39.239+/-0.005 χ^2/NDF:6999345.0/55

All: 40.283+/-0.004 χ^2/NDF: 10542993.0/107

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 34.3/28

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

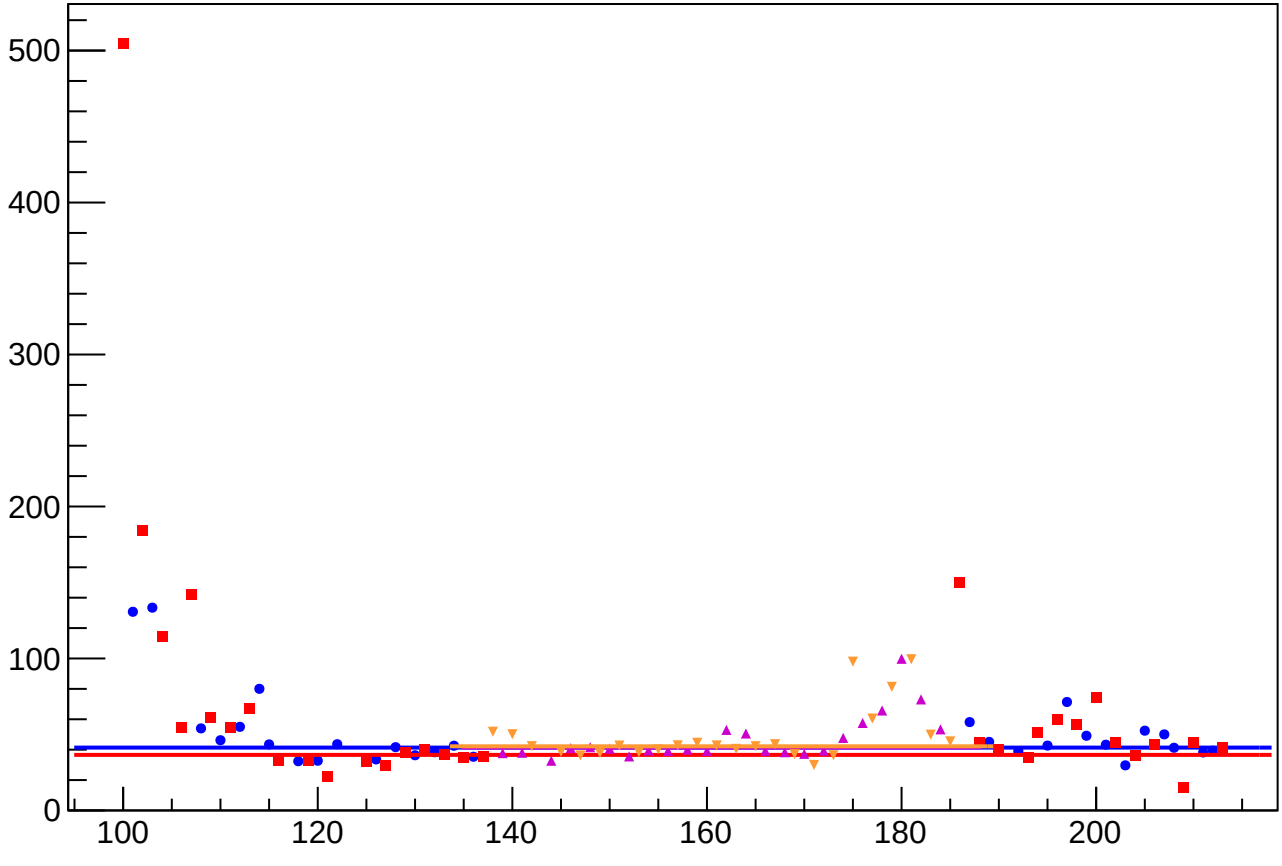
Right: 0.004+/-0.008 χ^2/NDF: 53.8/60

In: 0.008+/-0.008 χ^2/NDF:54.4/51

Out: -0.003+/-0.008 χ^2/NDF:43.3/55

All: 0.002+/-0.005 χ^2/NDF: 98.7/107

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.363+/-0.008 χ^2/NDF: 2051868.2/28

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

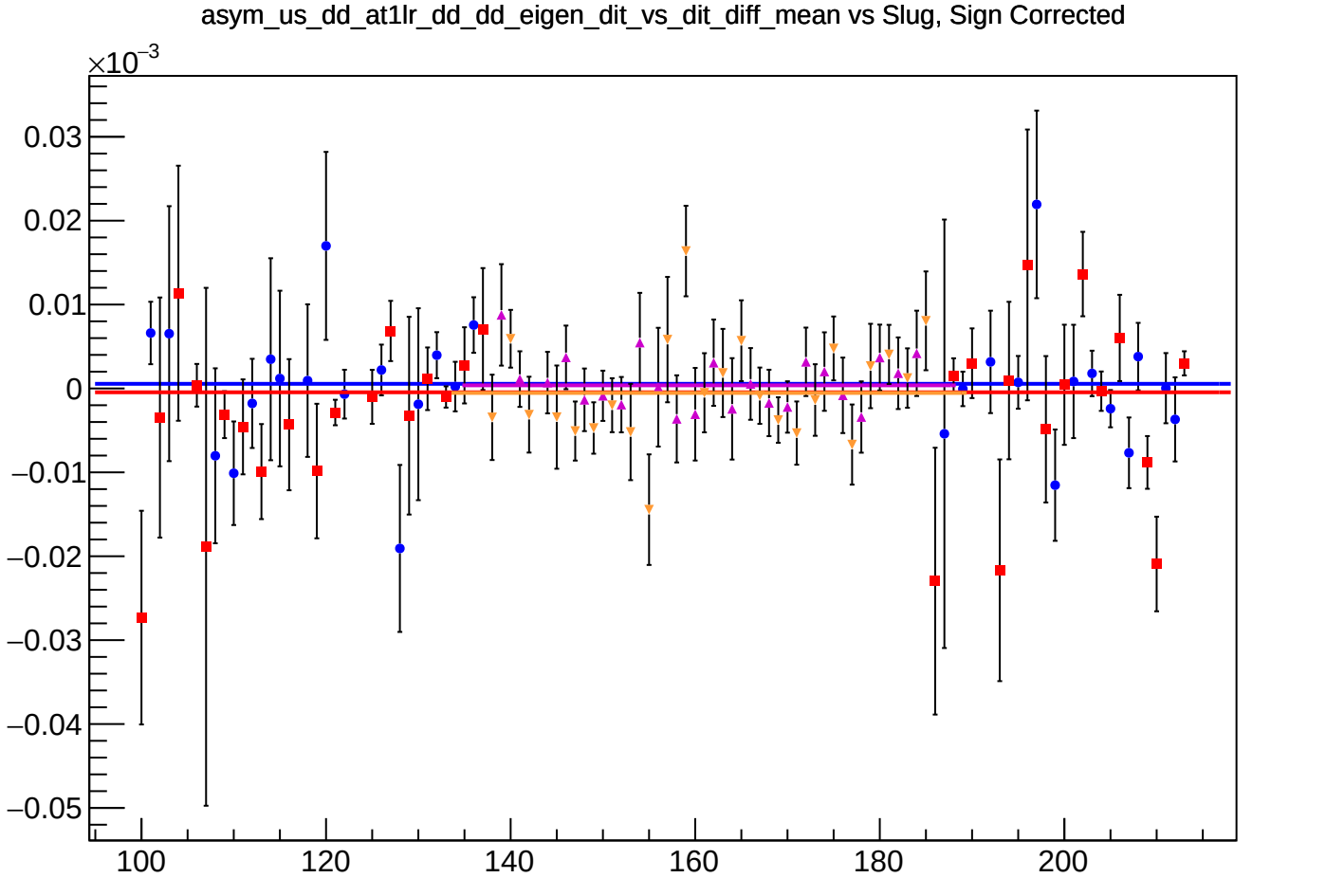
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.777+/-0.005 χ^2/NDF: 7148519.0/60

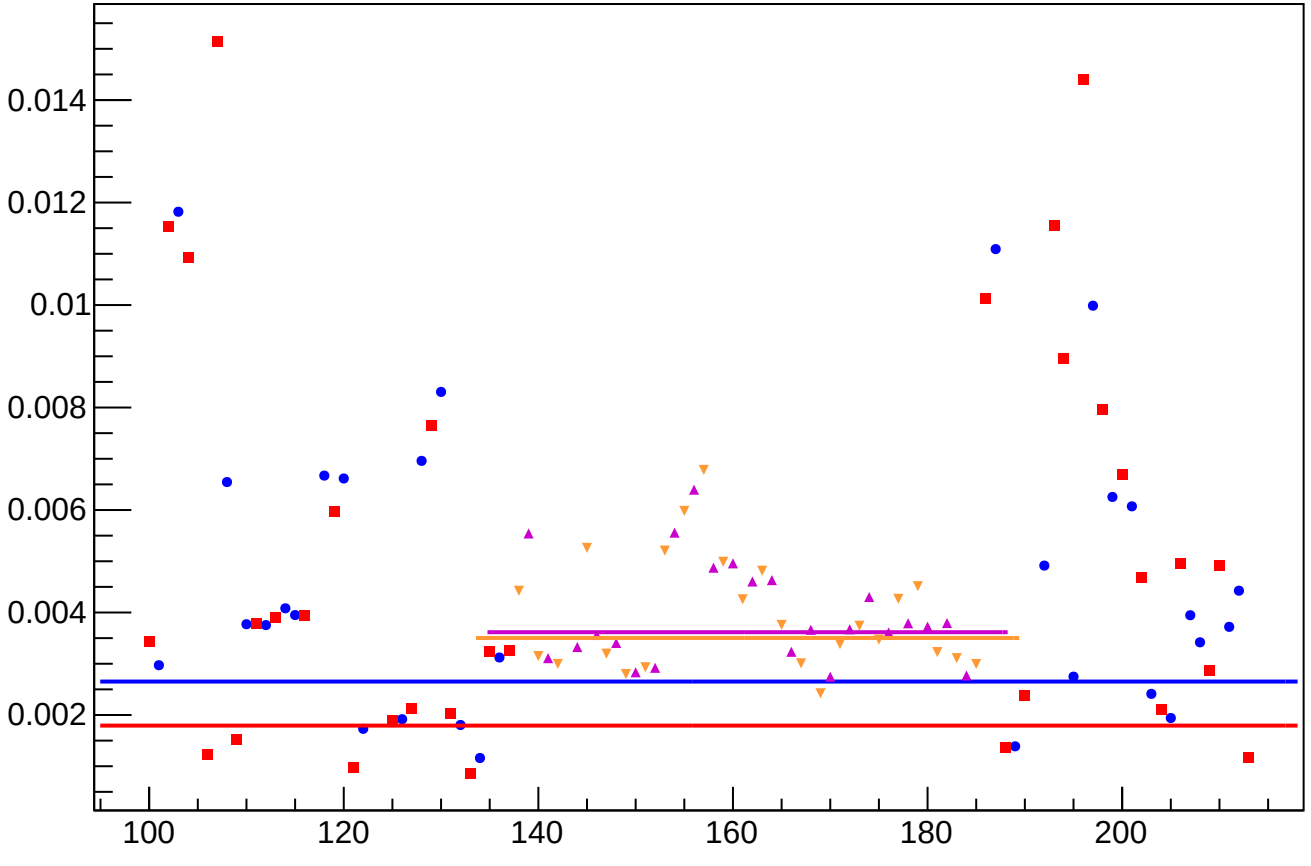
In: 41.393+/-0.005 χ^2/NDF:3464073.2/51

Out: 39.239+/-0.005 χ^2/NDF:6999345.0/55

All: 40.283+/-0.004 χ^2/NDF: 10542993.0/107


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: 33.8/28
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: 97.8/60
In: 0.000+/-0.000 χ²/NDF:43.5/51
Out: -0.000+/-0.000 χ²/NDF:99.7/55
All: -0.000+/-0.000 χ²/NDF: 144.9/107

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 7874667.4/28

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

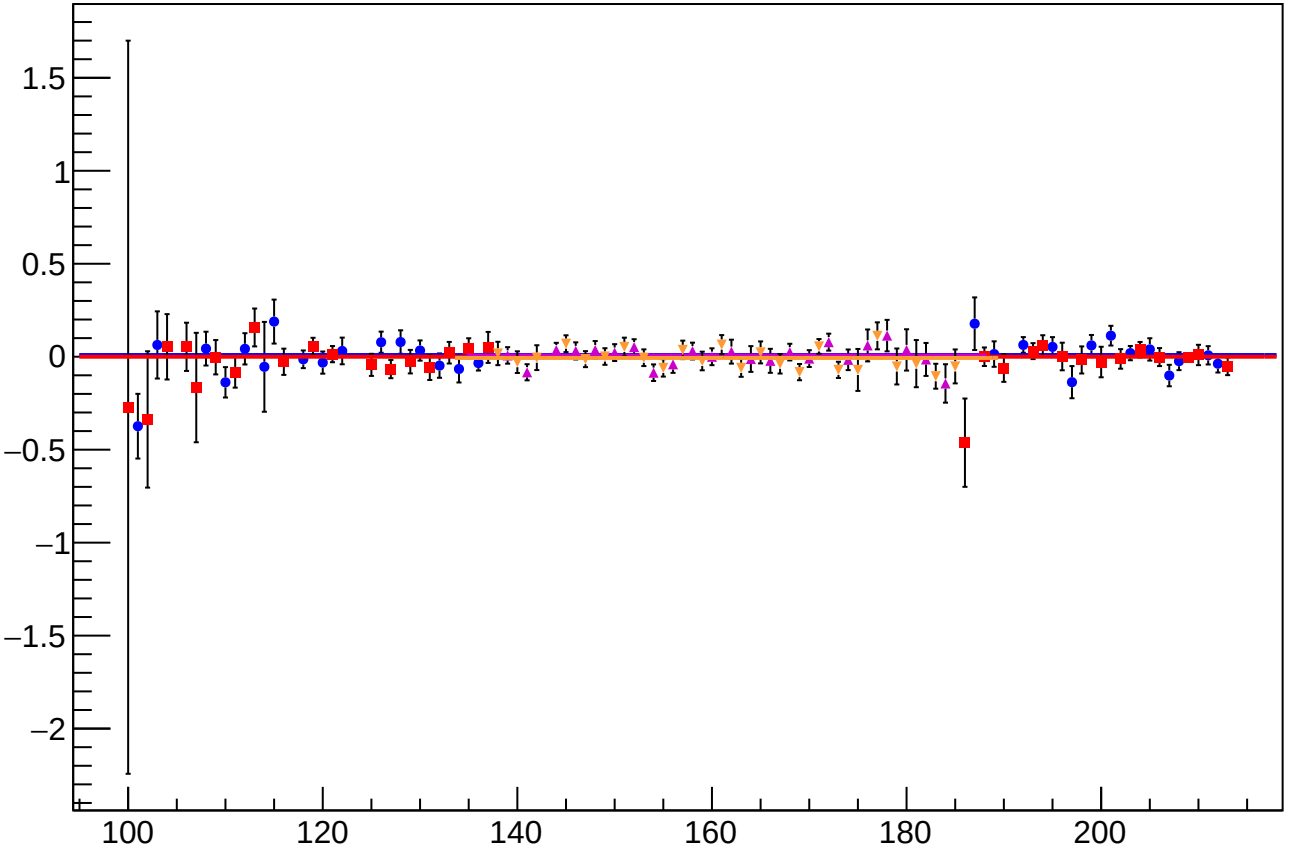
Right: 0.002+/-0.000 χ^2/NDF: 24151917.2/60

In: 0.003+/-0.000 χ^2/NDF:10933352.9/51

Out: 0.002+/-0.000 χ^2/NDF:22429471.0/55

All: 0.003+/-0.000 χ^2/NDF: 35269579.6/107

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 34.3/28

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

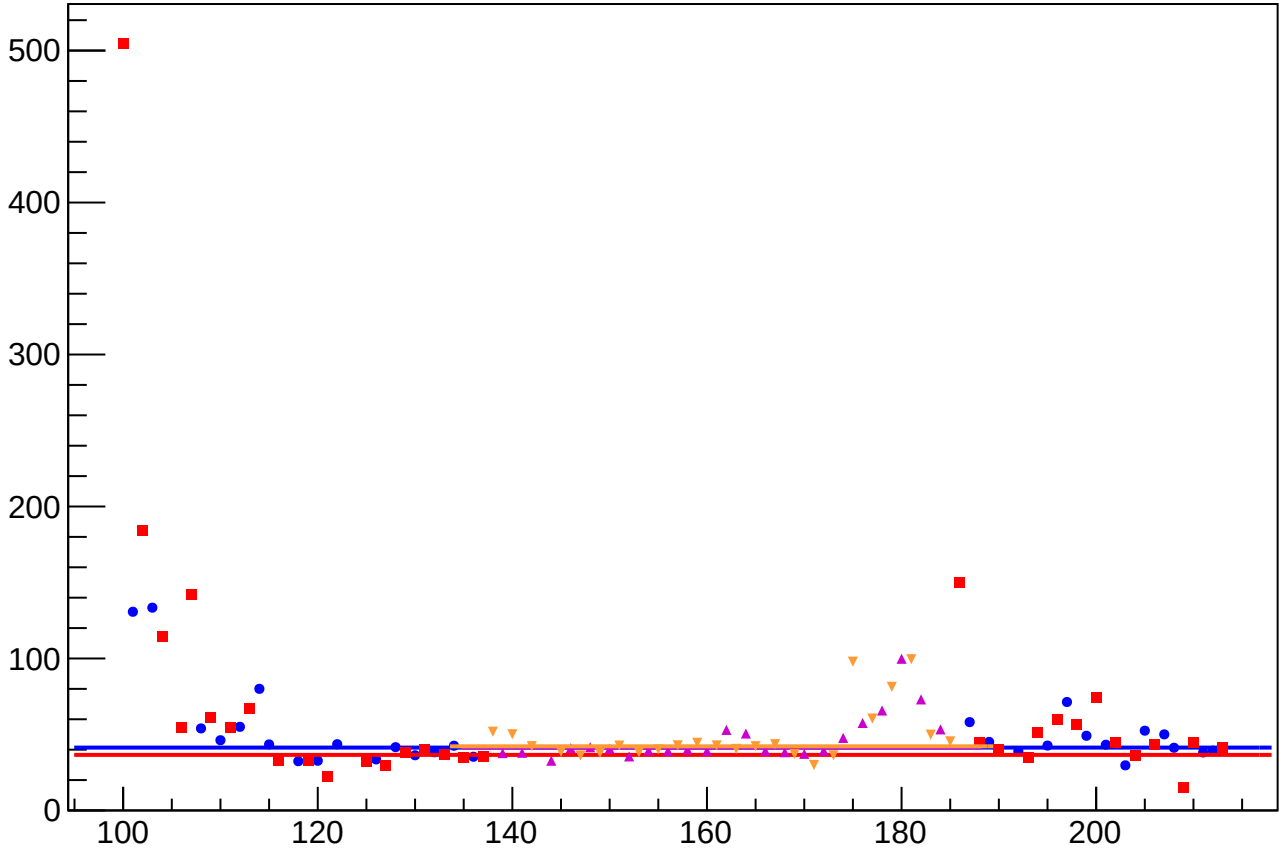
Right: 0.004+/-0.008 χ^2/NDF: 53.8/60

In: 0.008+/-0.008 χ^2/NDF:54.4/51

Out: -0.003+/-0.008 χ^2/NDF:43.3/55

All: 0.002+/-0.005 χ^2/NDF: 98.7/107

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.364+/-0.008 χ^2/NDF: 2051783.7/28

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

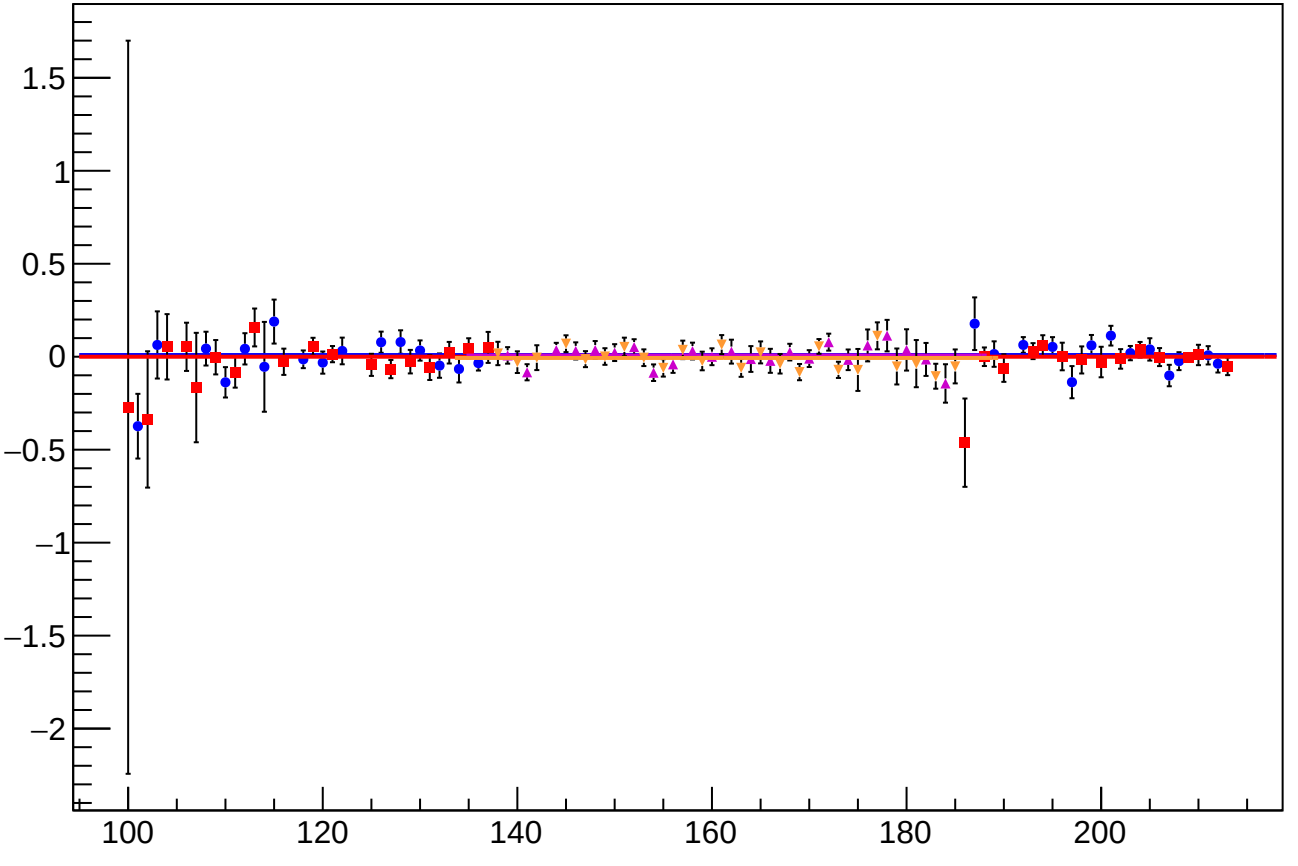
Right: 38.779+/-0.005 χ^2/NDF: 7145566.7/60

In: 41.393+/-0.005 χ^2/NDF:3463922.3/51

Out: 39.241+/-0.005 χ^2/NDF:6996359.4/55

All: 40.284+/-0.004 χ^2/NDF: 10539690.3/107

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 34.3/28

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

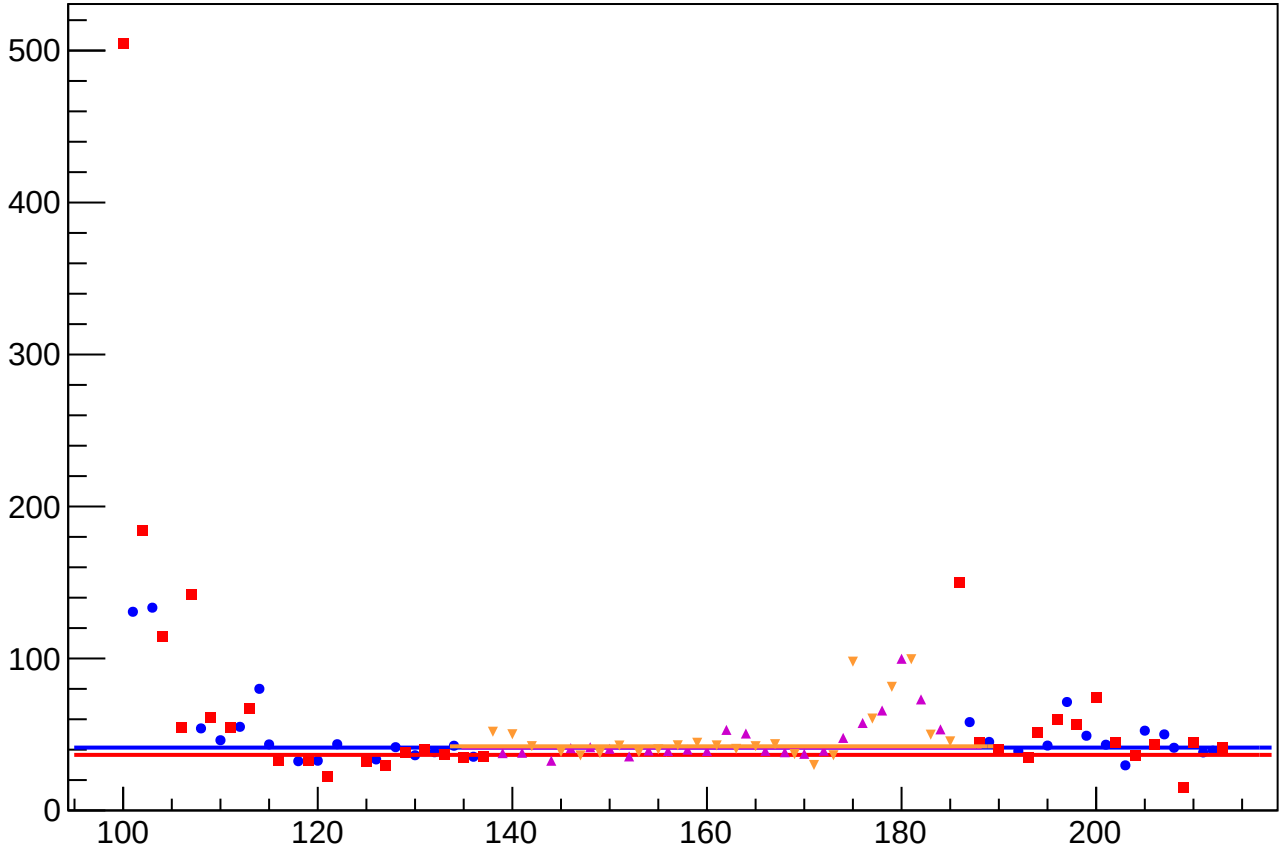
Right: 0.004+/-0.008 χ^2/NDF: 53.8/60

In: 0.008+/-0.008 χ^2/NDF:54.4/51

Out: -0.003+/-0.008 χ^2/NDF:43.3/55

All: 0.002+/-0.005 χ^2/NDF: 98.7/107

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.364+/-0.008 χ^2/NDF: 2051783.7/28

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

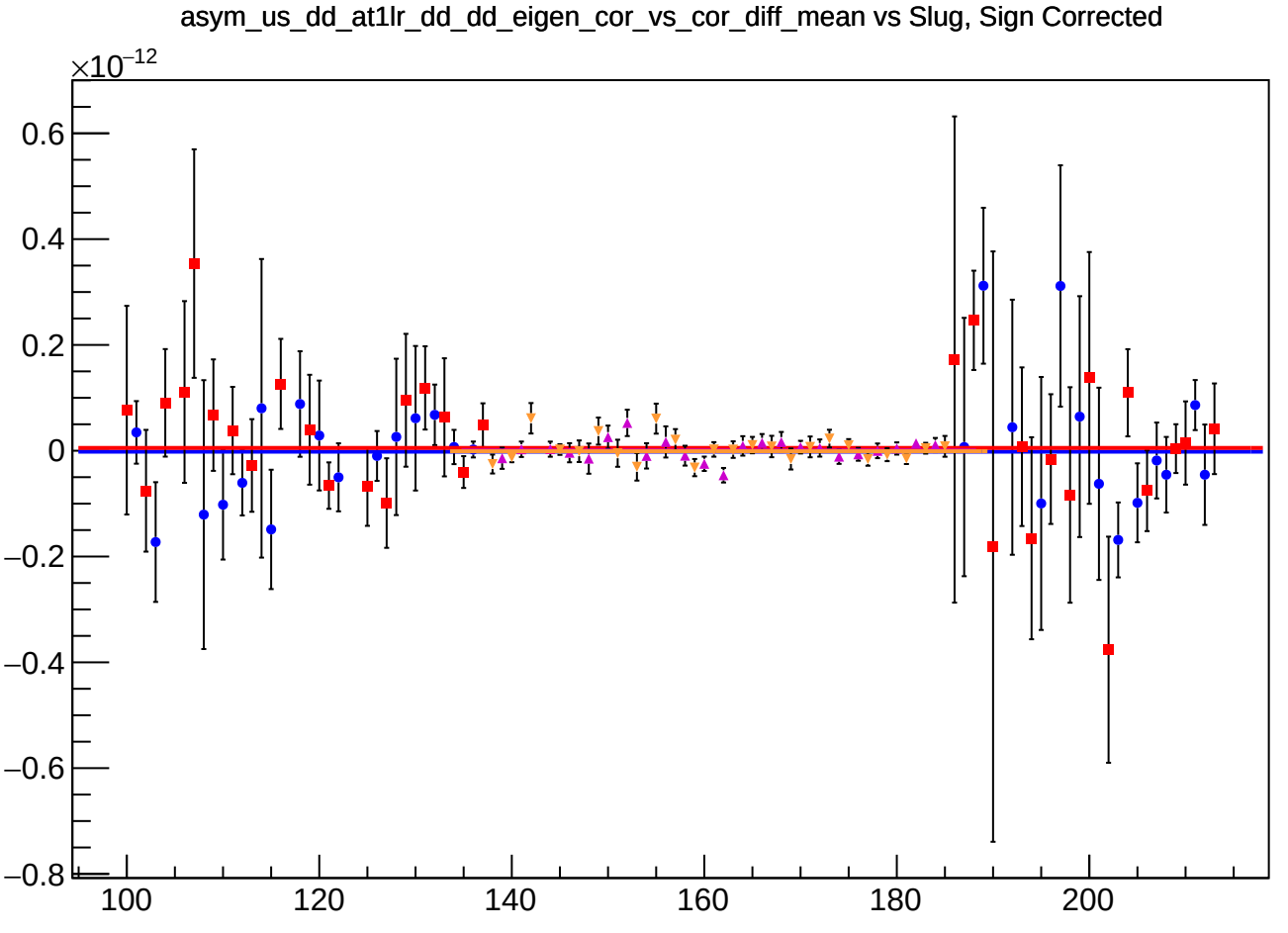
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 38.779+/-0.005 χ^2/NDF: 7145566.7/60

In: 41.393+/-0.005 χ^2/NDF:3463922.3/51

Out: 39.241+/-0.005 χ^2/NDF:6996359.4/55

All: 40.284+/-0.004 χ^2/NDF: 10539690.3/107



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/28

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

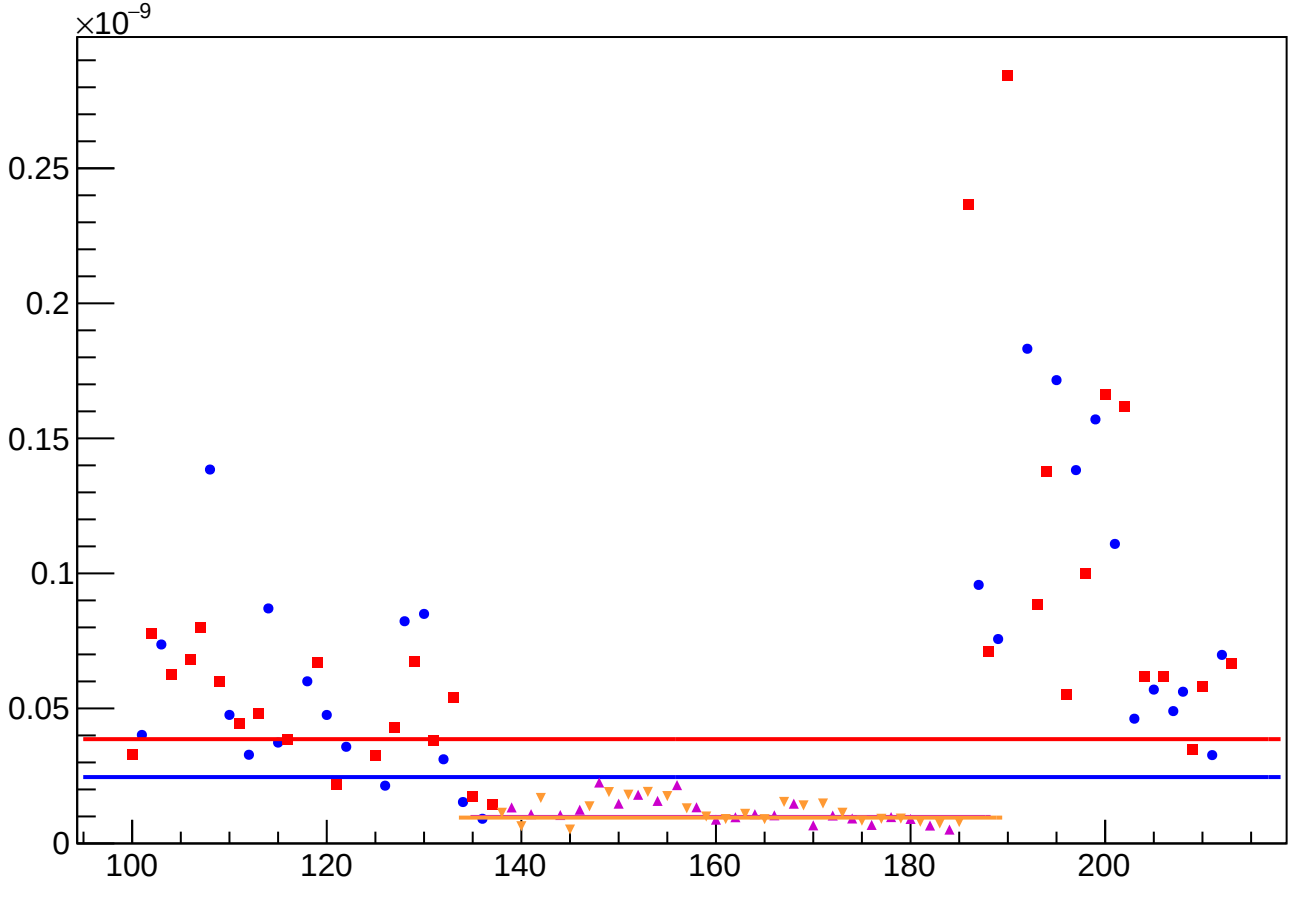
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: 0.000+/-0.000 χ^2/NDF: 61.0/60

In: 0.000+/-0.000 χ^2/NDF:56.4/51

Out: -0.000+/-0.000 χ^2/NDF:62.4/55

All: -0.000+/-0.000 χ^2/NDF: 118.9/107



Right In: 0.000+/-0.000 χ^2/NDF: 9944195.1/28

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

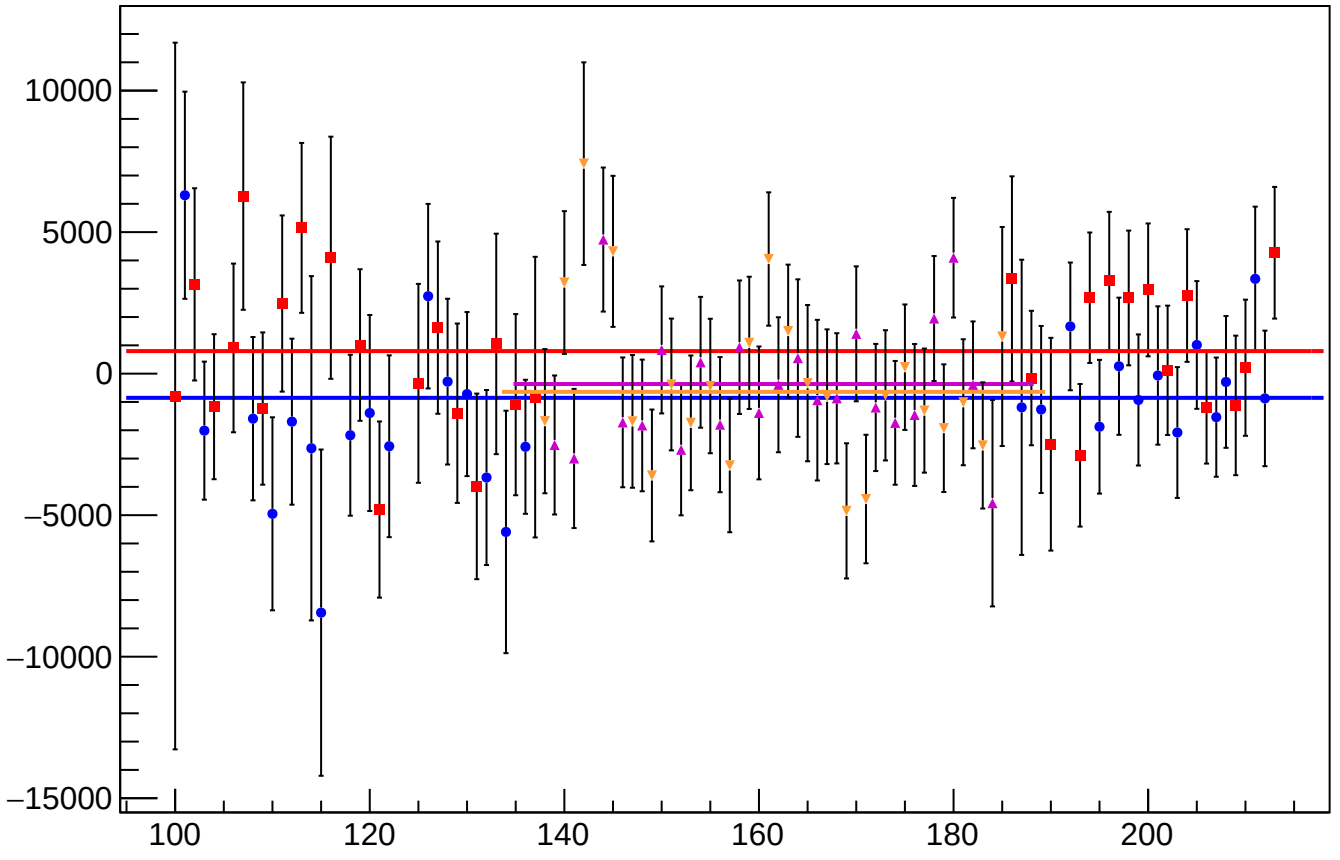
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 18026284.8/60

In: 0.000+/-0.000 χ^2/NDF:15781409.7/51

Out: 0.000+/-0.000 χ^2/NDF:17456458.1/55

All: 0.000+/-0.000 χ^2/NDF: 33240017.9/107



Right In: -854.425+/-515.248 χ^2/NDF: 17.5/28

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

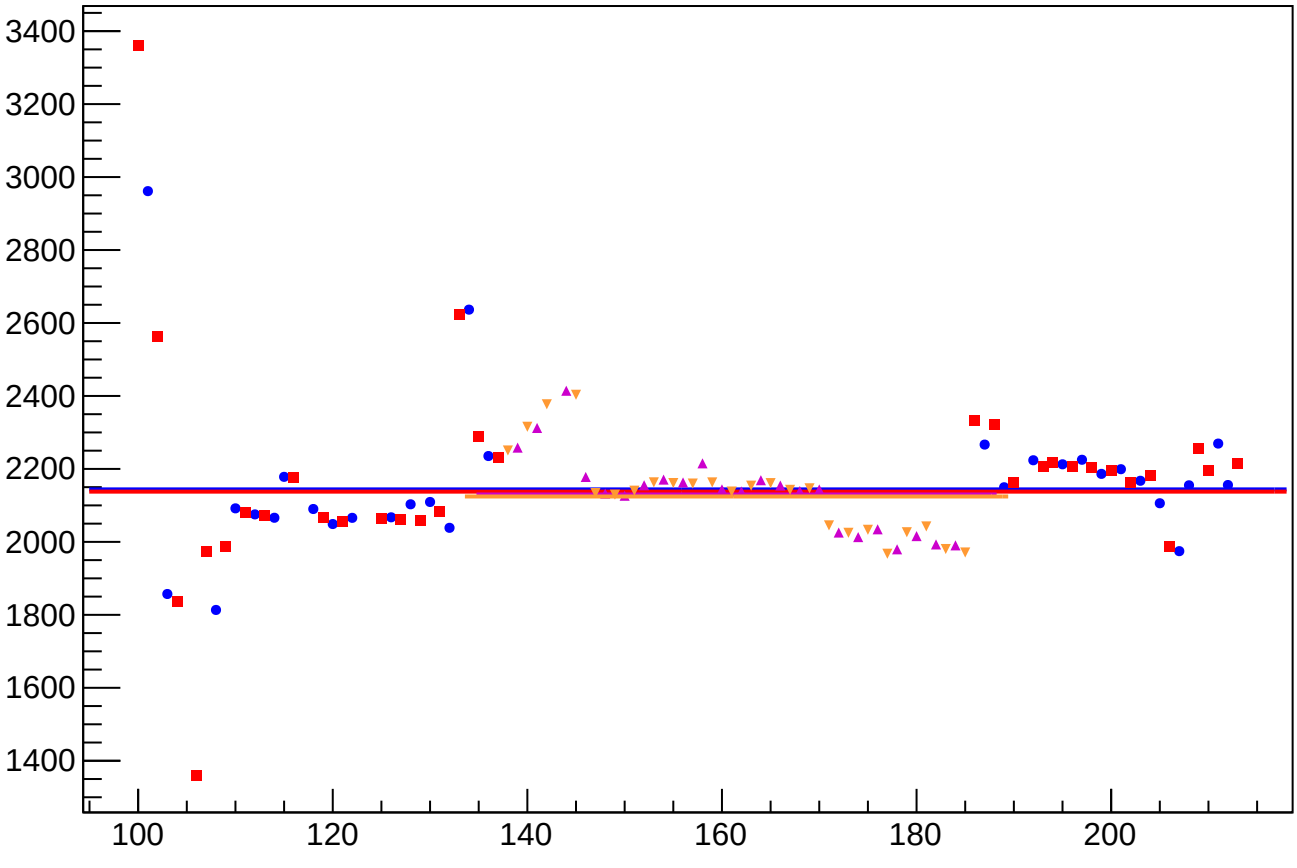
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -3.661+/-358.742 χ^2/NDF: 47.2/60

In: -602.242+/-358.043 χ^2/NDF:35.2/51

Out: 67.646+/-351.222 χ^2/NDF:55.8/55

All: -260.857+/-250.728 χ^2/NDF: 92.8/107



Right In: 2143.894+/-0.364 χ^2/NDF: 220535.9/28

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

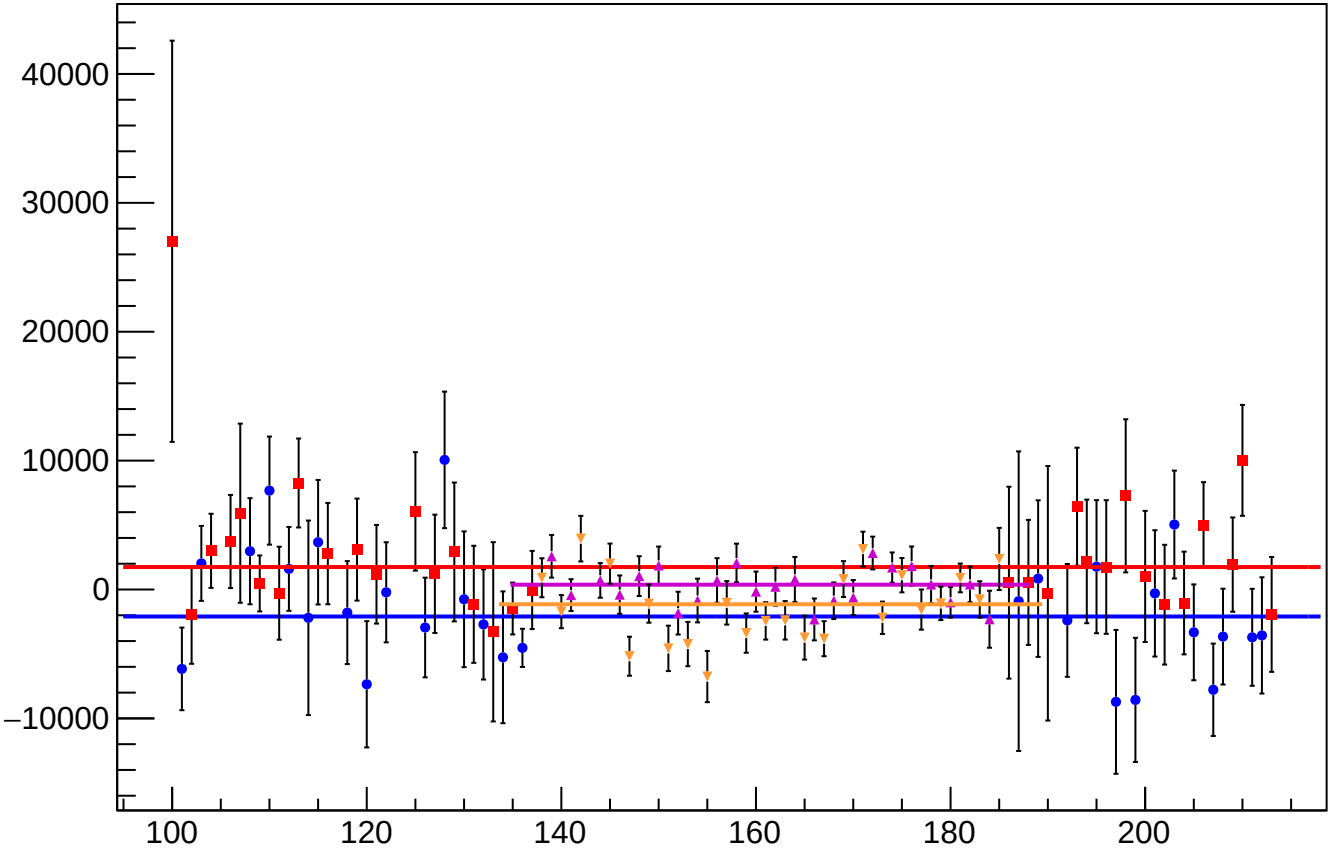
Right: 2140.721+/-0.254 χ^2/NDF: 535904.6/60

In: 2136.656+/-0.253 χ^2/NDF:306653.6/51

Out: 2131.004+/-0.248 χ^2/NDF:405122.3/55

All: 2133.776+/-0.177 χ^2/NDF: 712029.8/107

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -2093.758+/-709.770 χ^2/NDF: 33.3/28

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

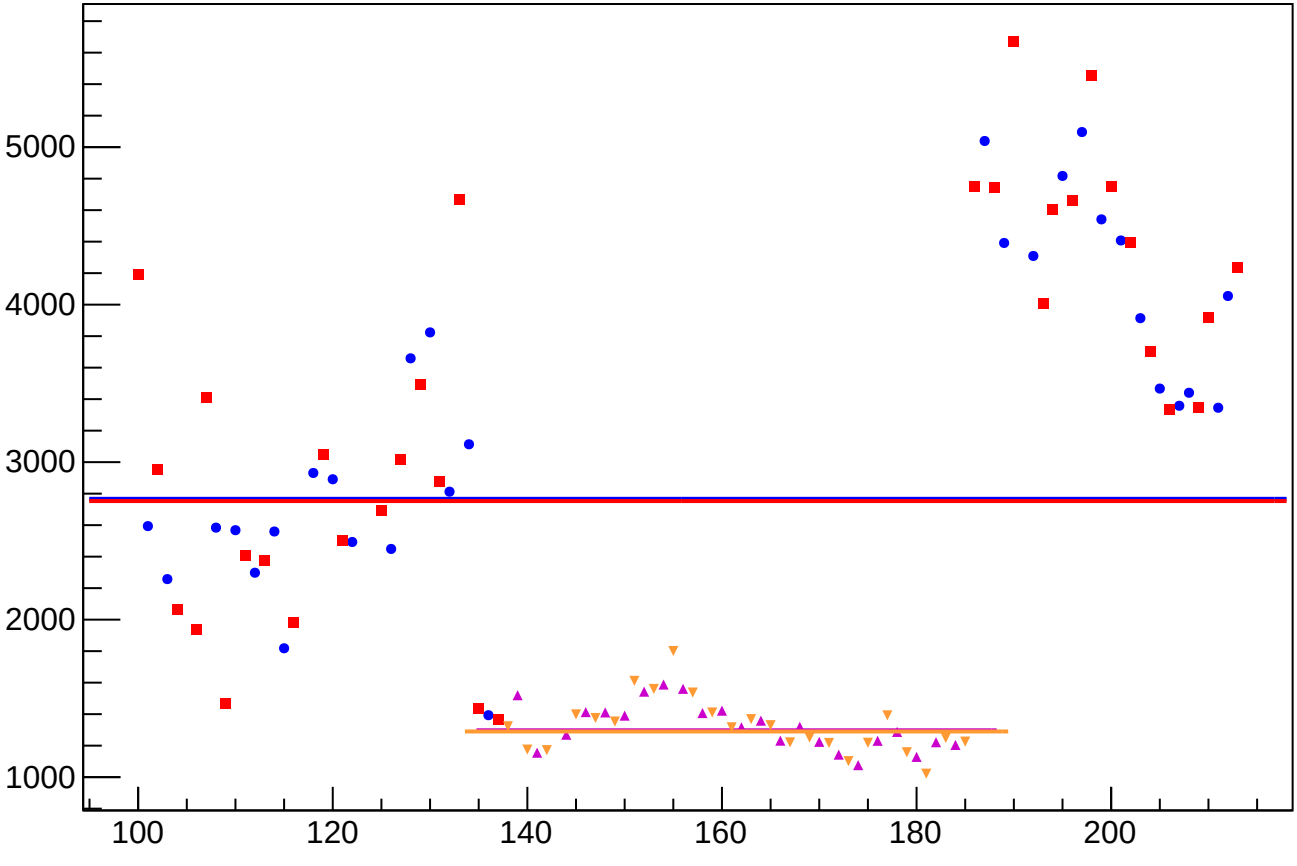
Right: -139.773+/-497.152 χ^2/NDF: 70.1/60

In: -12.051+/-280.516 χ^2/NDF:63.8/51

Out: -686.770+/-277.457 χ^2/NDF:103.9/55

All: -353.110+/-197.264 χ^2/NDF: 170.7/107

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2767.116+/-0.502 χ^2/NDF: 4269963.7/28

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

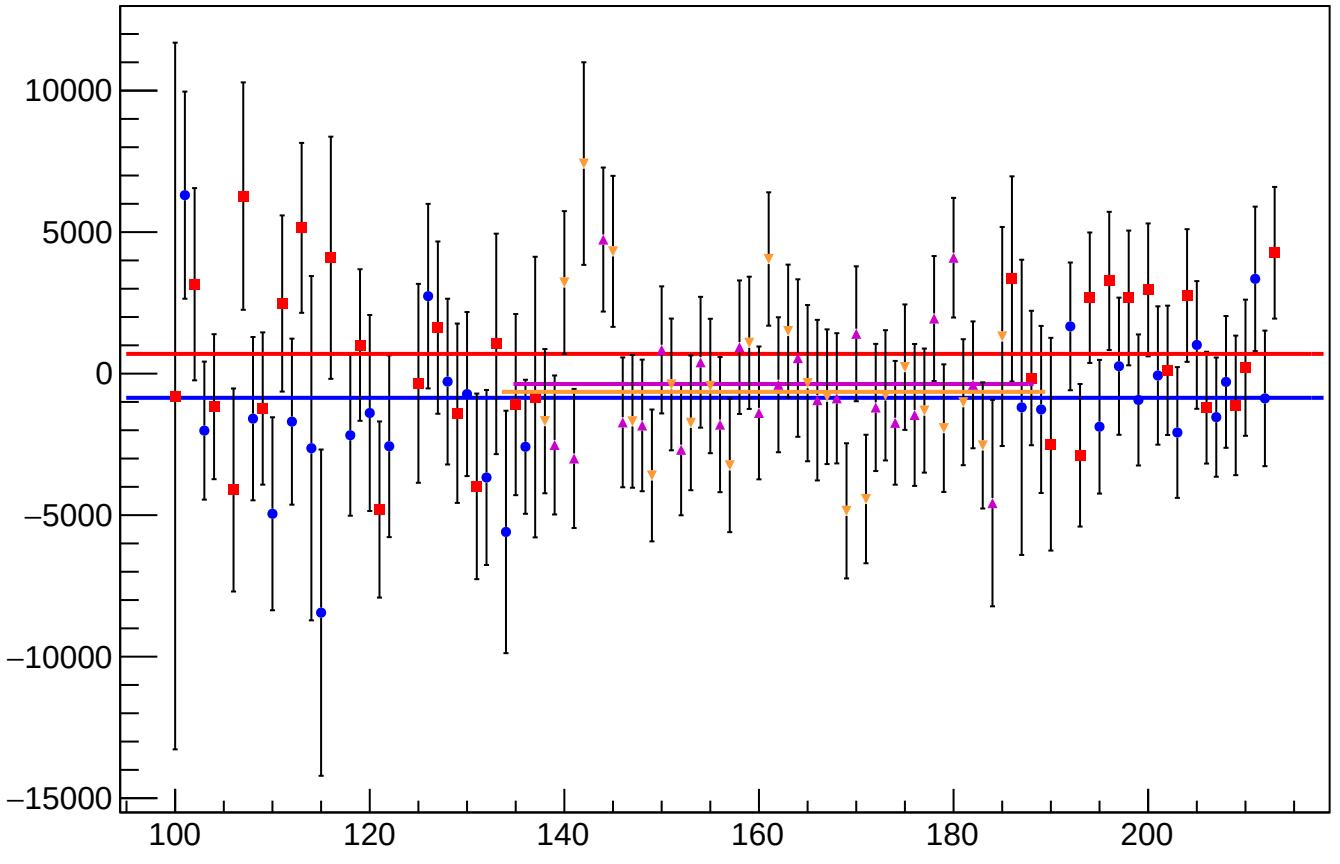
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2759.906+/-0.352 χ^2/NDF: 9777035.5/60

In: 1527.015+/-0.198 χ^2/NDF:11939475.3/51

Out: 1522.131+/-0.196 χ^2/NDF:13496538.1/55

All: 1524.546+/-0.139 χ^2/NDF: 25436319.8/



Right In: -854.476+/-515.248 χ^2/NDF: 17.5/28

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

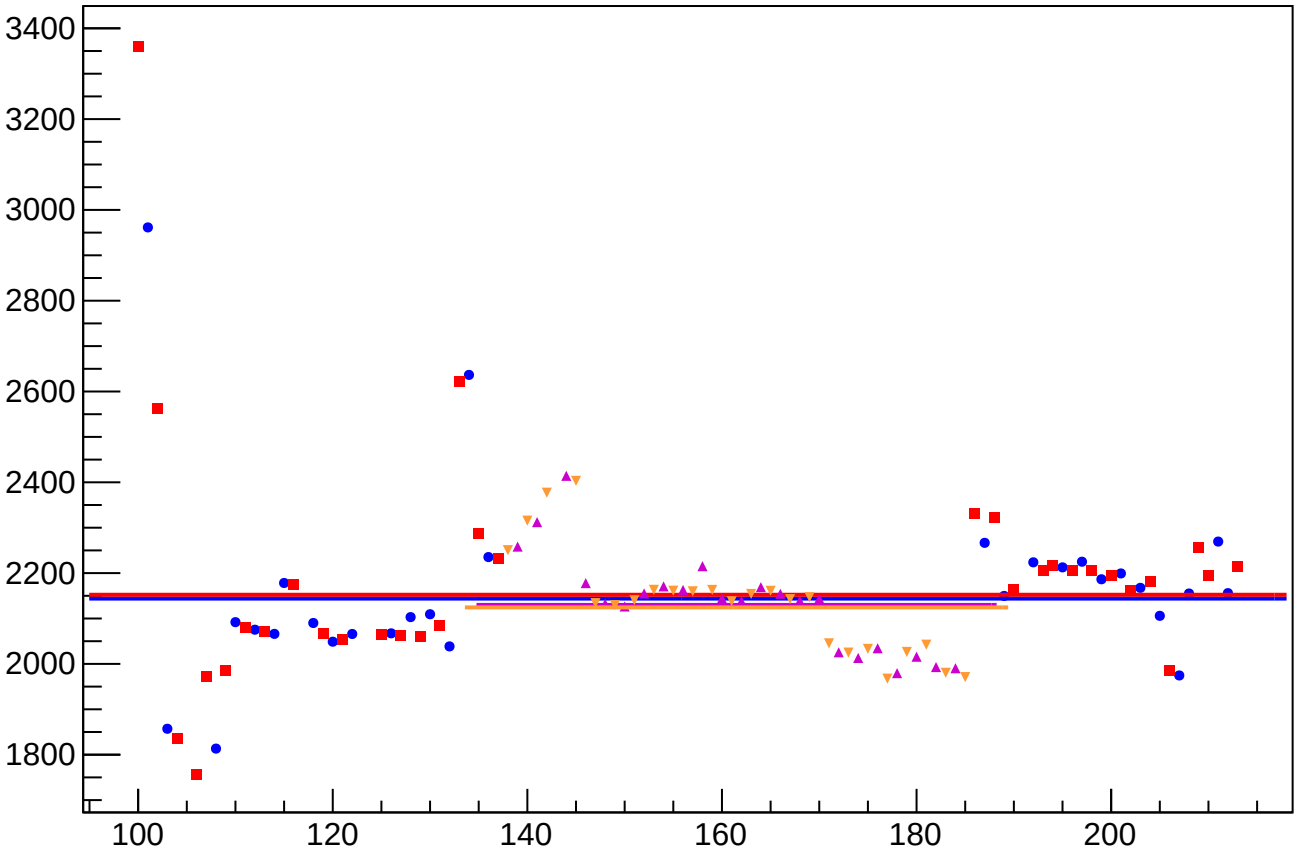
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -58.173+/-359.551 χ^2/NDF: 48.4/60

In: -602.210+/-358.043 χ^2/NDF:35.2/51

Out: 15.807+/-351.981 χ^2/NDF:57.0/55

All: -287.925+/-251.004 χ^2/NDF: 93.8/107



Right In: 2143.894+/-0.364 χ^2/NDF: 220536.2/28

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

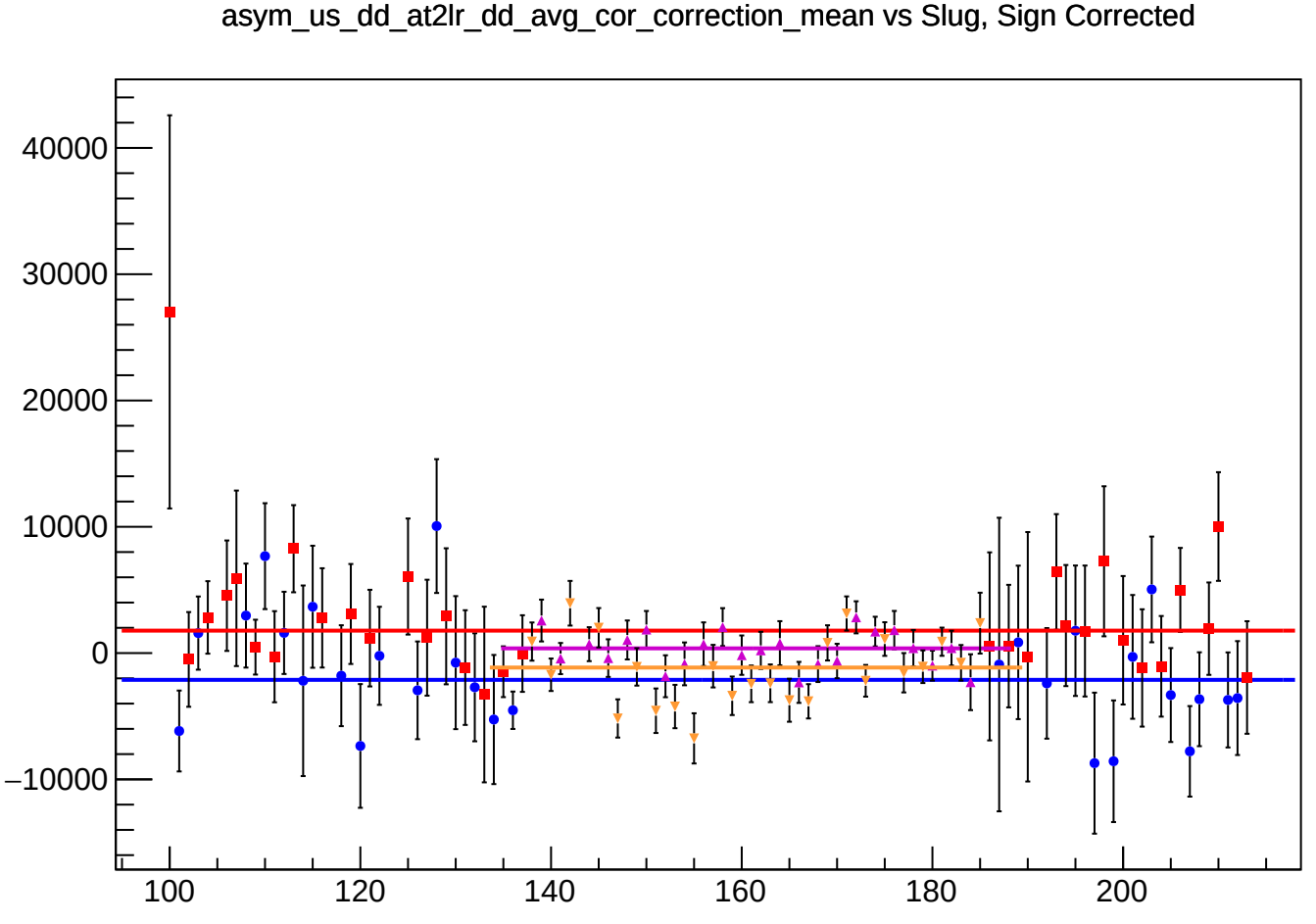
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2148.210+/-0.254 χ^2/NDF: 421060.8/60

In: 2136.656+/-0.253 χ^2/NDF:306653.9/51

Out: 2138.140+/-0.249 χ^2/NDF:292568.8/55

All: 2137.410+/-0.177 χ^2/NDF: 599240.2/107



Right In: -2119.379+/-709.608 χ^2/NDF: 32.9/28

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

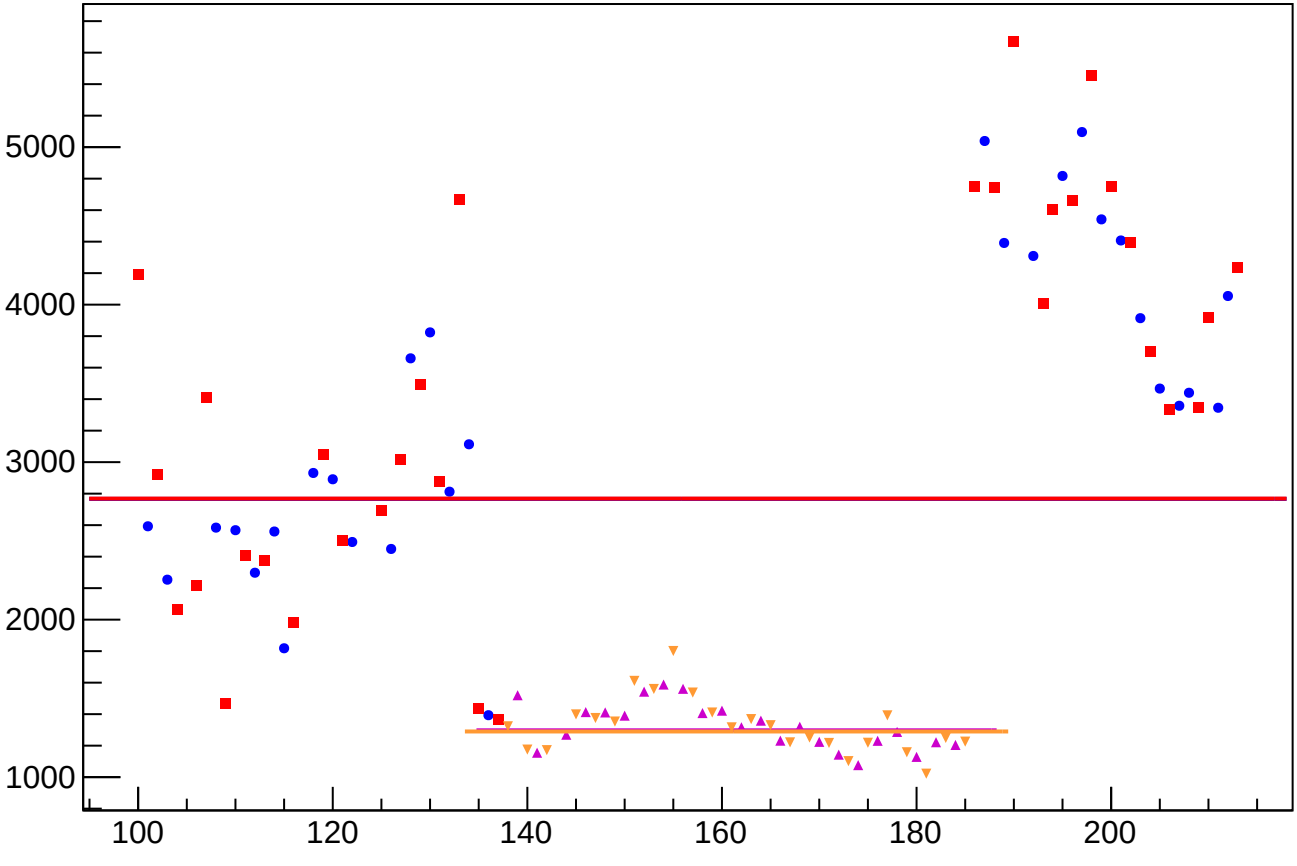
Right: -145.149+/-498.462 χ^2/NDF: 69.6/60

In: -16.303+/-280.506 χ^2/NDF:63.6/51

Out: -685.275+/-277.695 χ^2/NDF:103.6/55

All: -354.158+/-197.347 χ^2/NDF: 170.1/107

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2766.633+/-0.502 χ^2/NDF: 4271300.2/28

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

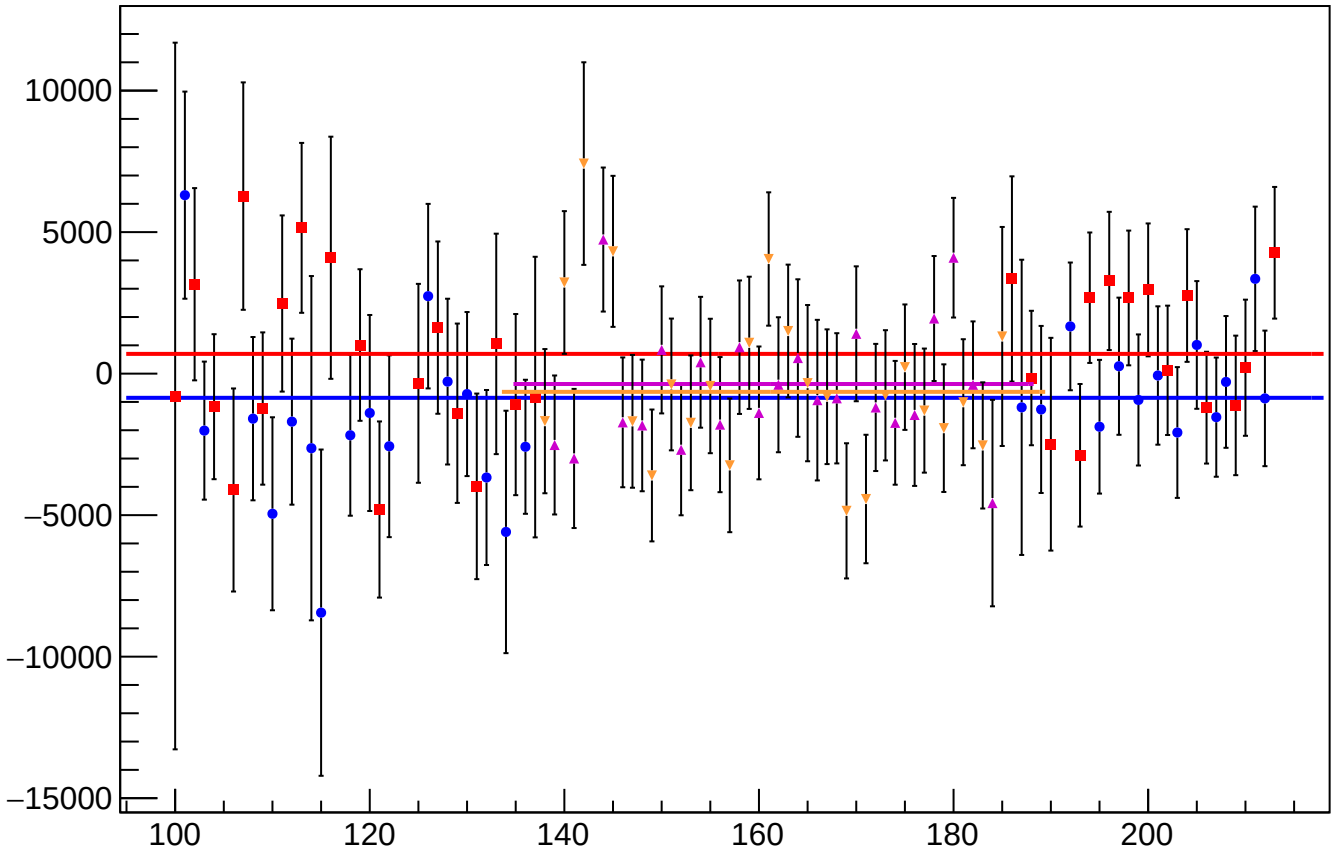
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2767.595+/-0.352 χ^2/NDF: 9705642.4/60

In: 1527.032+/-0.198 χ^2/NDF:11938815.9/51

Out: 1522.490+/-0.196 χ^2/NDF:13514194.9/55

All: 1524.738+/-0.140 χ^2/NDF: 25453275.7/1



Right In: -854.476+/-515.248 χ^2/NDF: 17.5/28

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

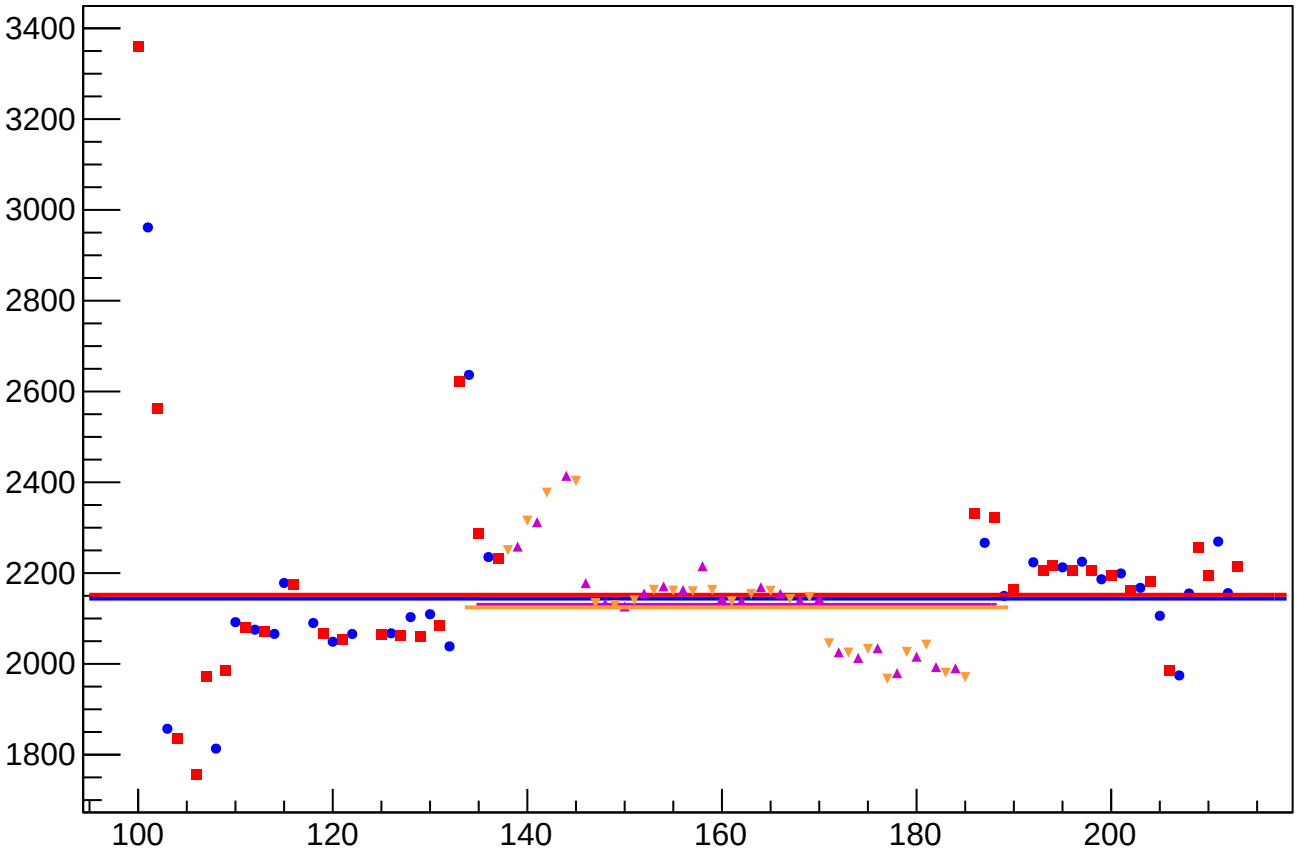
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -58.173+/-359.551 χ^2/NDF: 48.4/60

In: -602.210+/-358.043 χ^2/NDF:35.2/51

Out: 15.807+/-351.981 χ^2/NDF:57.0/55

All: -287.925+/-251.004 χ^2/NDF: 93.8/107



Right In: 2143.894+/-0.364 χ^2/NDF: 220536.2/28

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

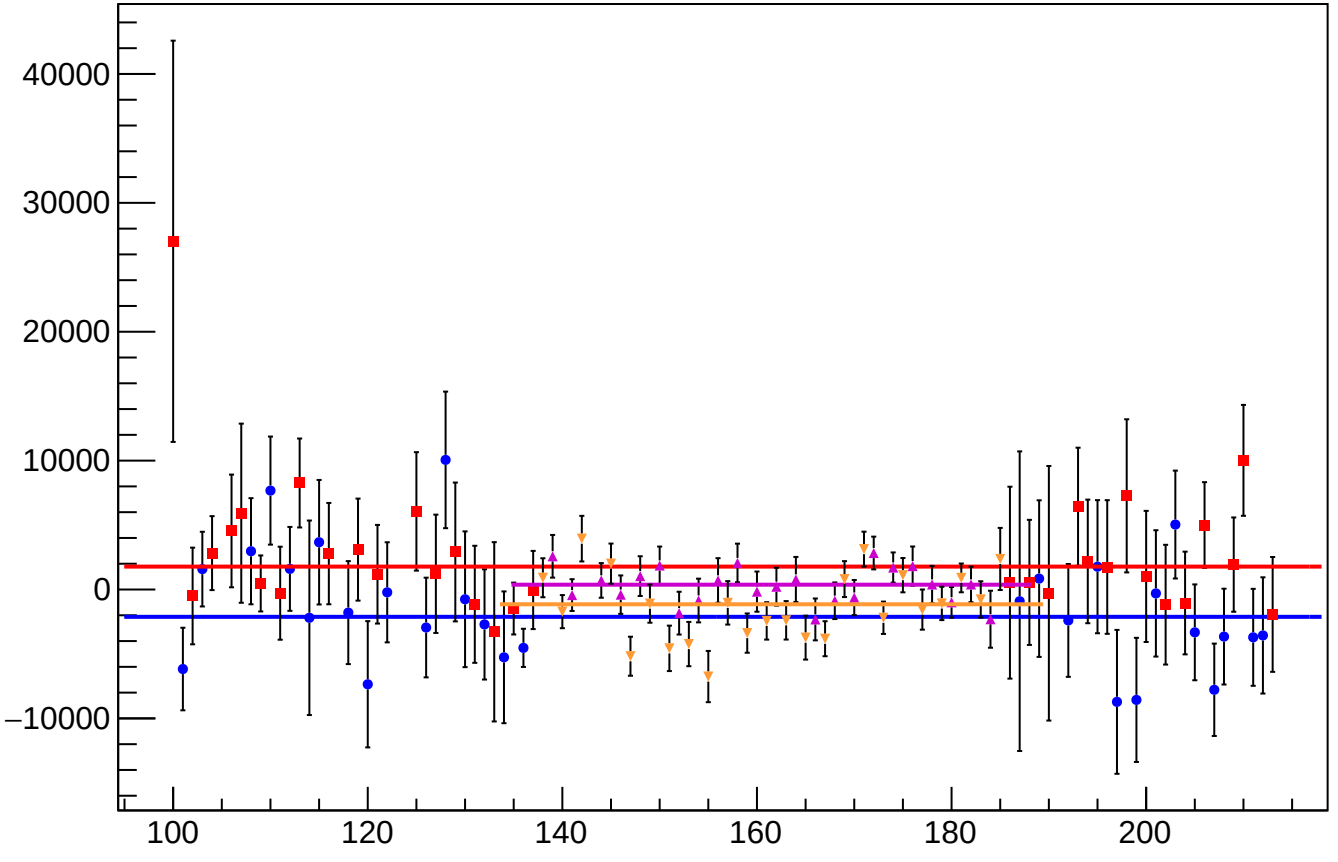
Right: 2148.210+/-0.254 χ^2/NDF: 421060.8/60

In: 2136.656+/-0.253 χ^2/NDF:306653.9/51

Out: 2138.140+/-0.249 χ^2/NDF:292568.8/55

All: 2137.410+/-0.177 χ^2/NDF: 599240.2/107

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2119.379+/-709.608 χ^2/NDF: 32.9/28

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

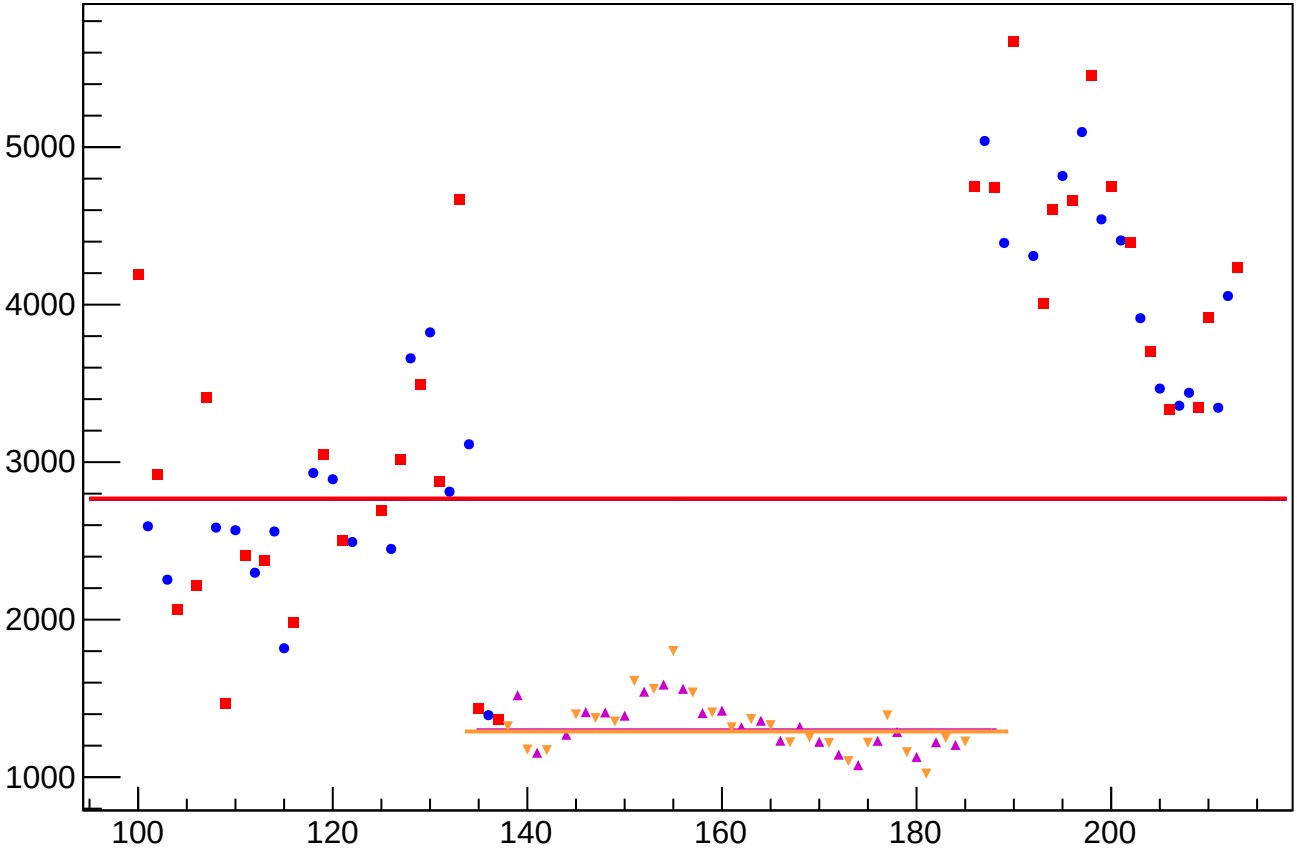
Right: -145.149+/-498.462 χ^2/NDF: 69.6/60

In: -16.303+/-280.506 χ^2/NDF:63.6/51

Out: -685.275+/-277.695 χ^2/NDF:103.6/55

All: -354.158+/-197.347 χ^2/NDF: 170.1/107

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2766.633+/-0.502 χ^2/NDF: 4271300.2/28

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

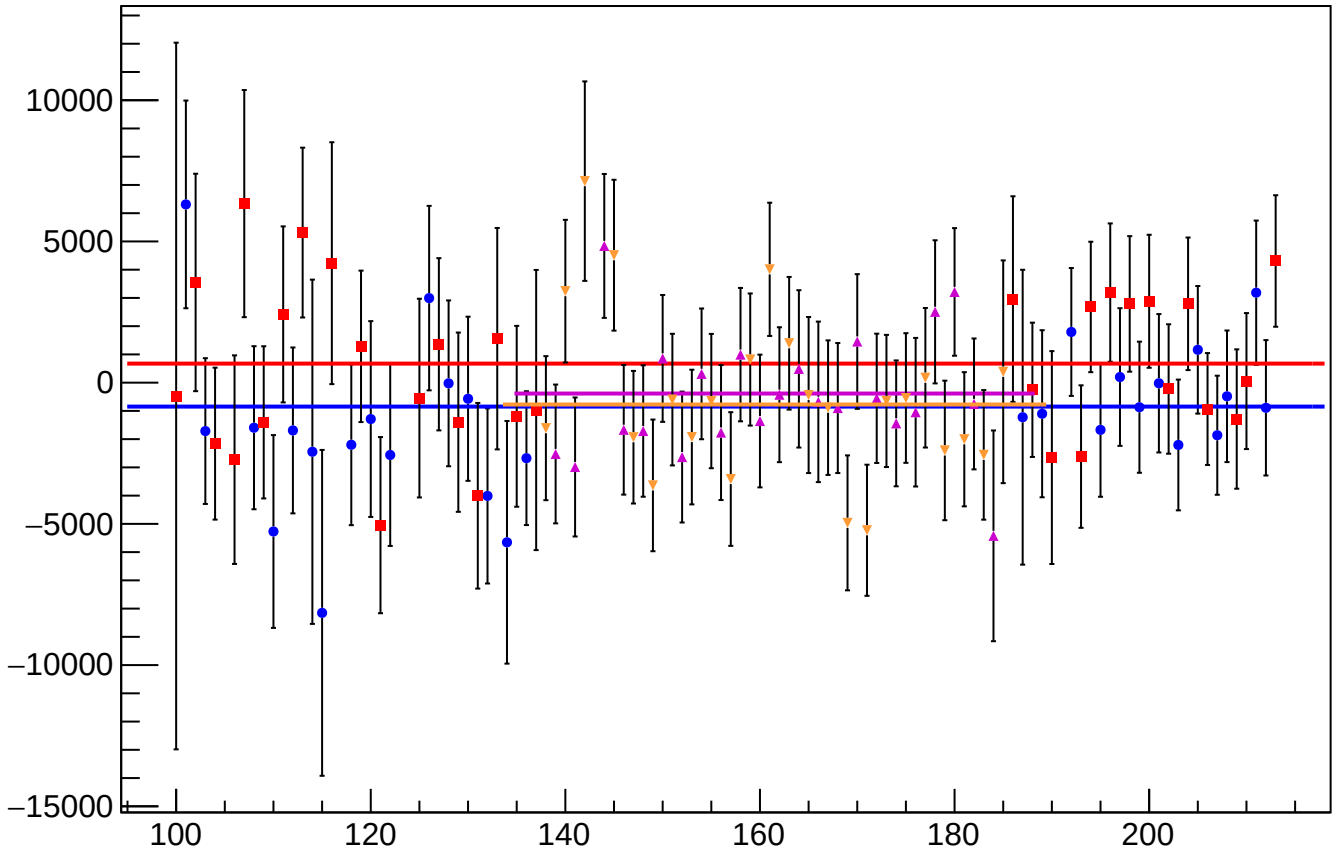
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2767.595+/-0.352 χ^2/NDF: 9705642.4/60

In: 1527.032+/-0.198 χ^2/NDF:11938815.9/51

Out: 1522.490+/-0.196 χ^2/NDF:13514194.9/55

All: 1524.738+/-0.140 χ^2/NDF: 25453275.7/



Right In: -847.267+/-517.460 χ^2/NDF: 18.0/28

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

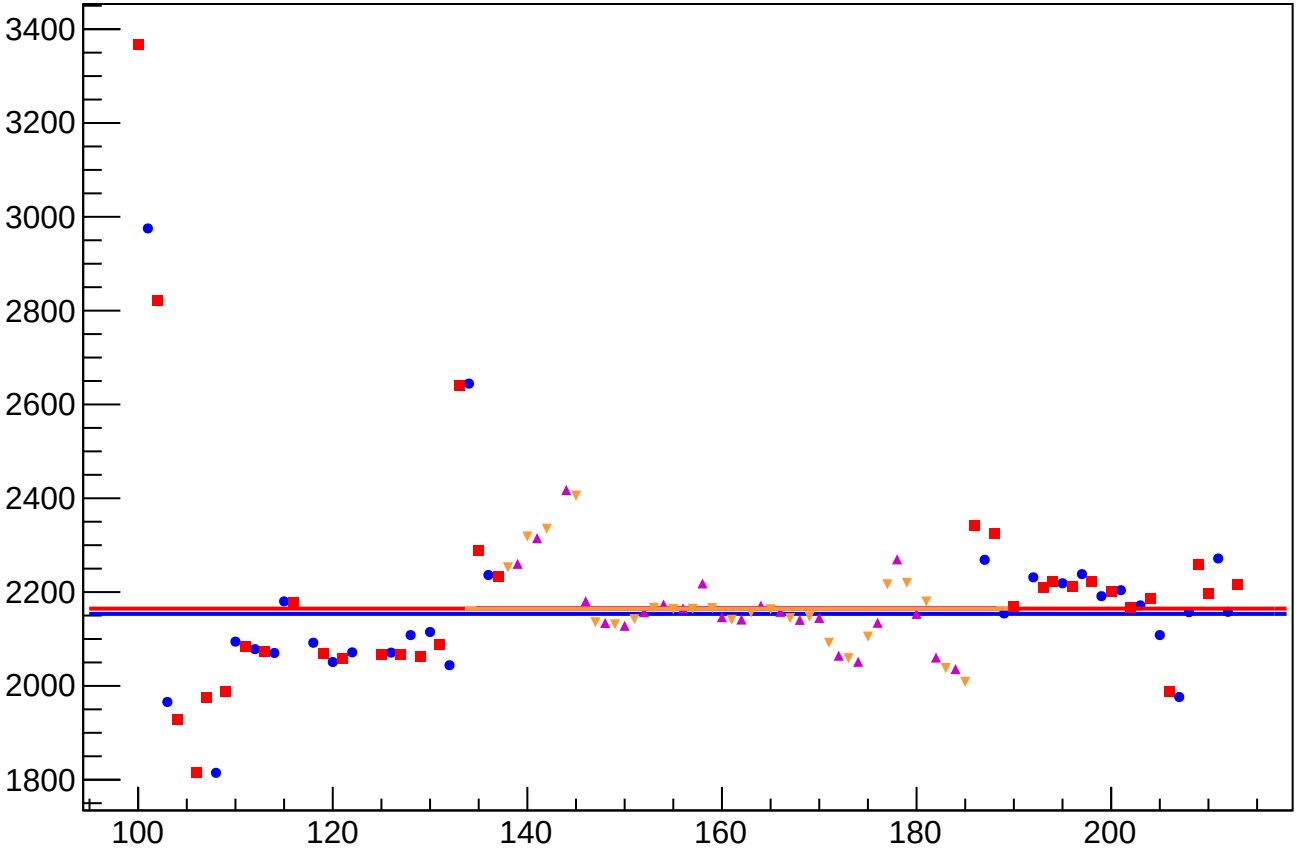
Right: -68.473+/-361.561 χ^2/NDF: 48.7/60

In: -611.119+/-361.799 χ^2/NDF:34.0/51

Out: -53.278+/-356.456 χ^2/NDF:59.0/55

All: -328.050+/-253.920 χ^2/NDF: 94.2/107

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2153.566+/-0.366 χ^2/NDF: 205507.1/28

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

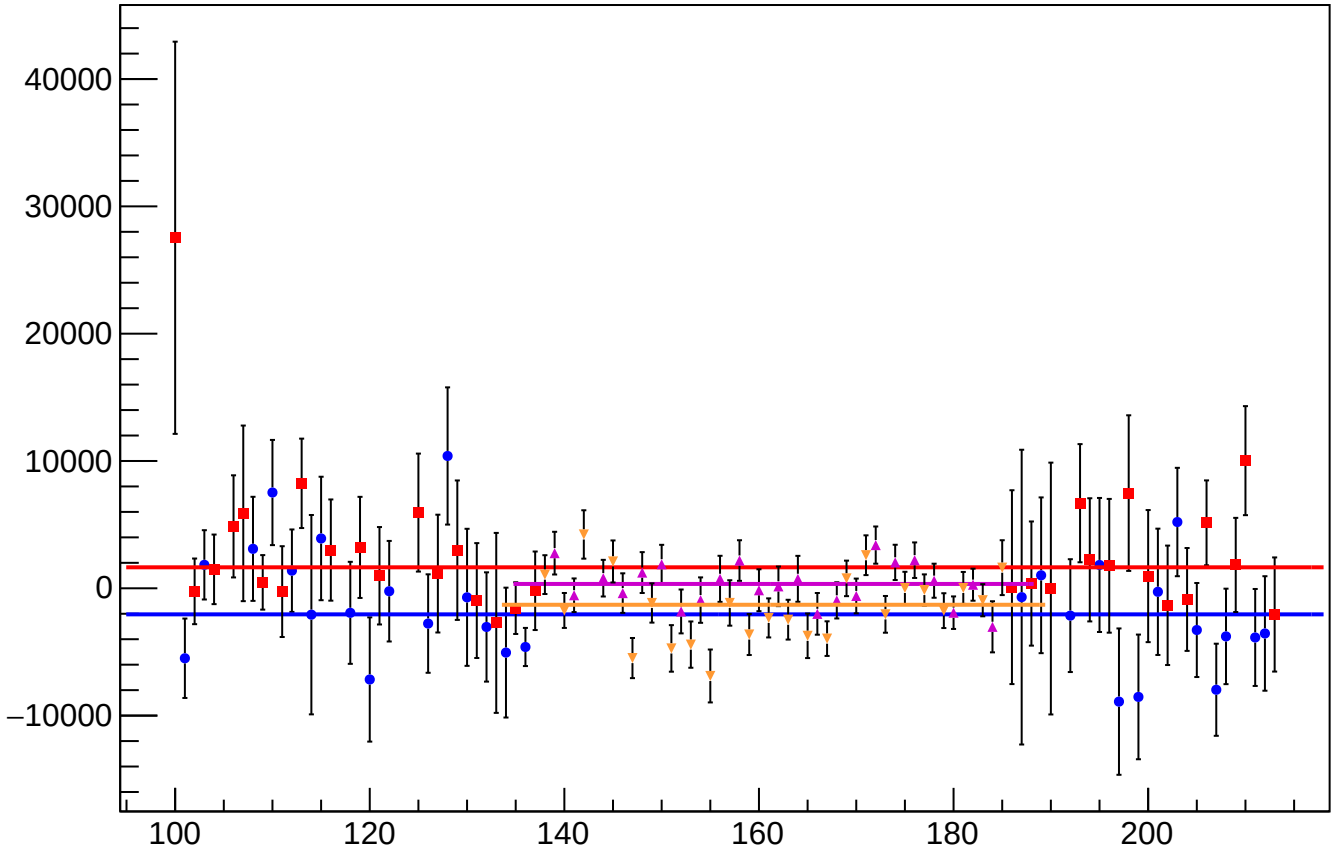
Right: 2159.279+/-0.256 χ^2/NDF: 414980.8/60

In: 2159.739+/-0.256 χ^2/NDF:258188.4/51

Out: 2164.630+/-0.252 χ^2/NDF:259673.8/55

All: 2162.221+/-0.180 χ^2/NDF: 518047.7/107

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2047.092+/-710.475 χ^2/NDF: 33.3/28

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

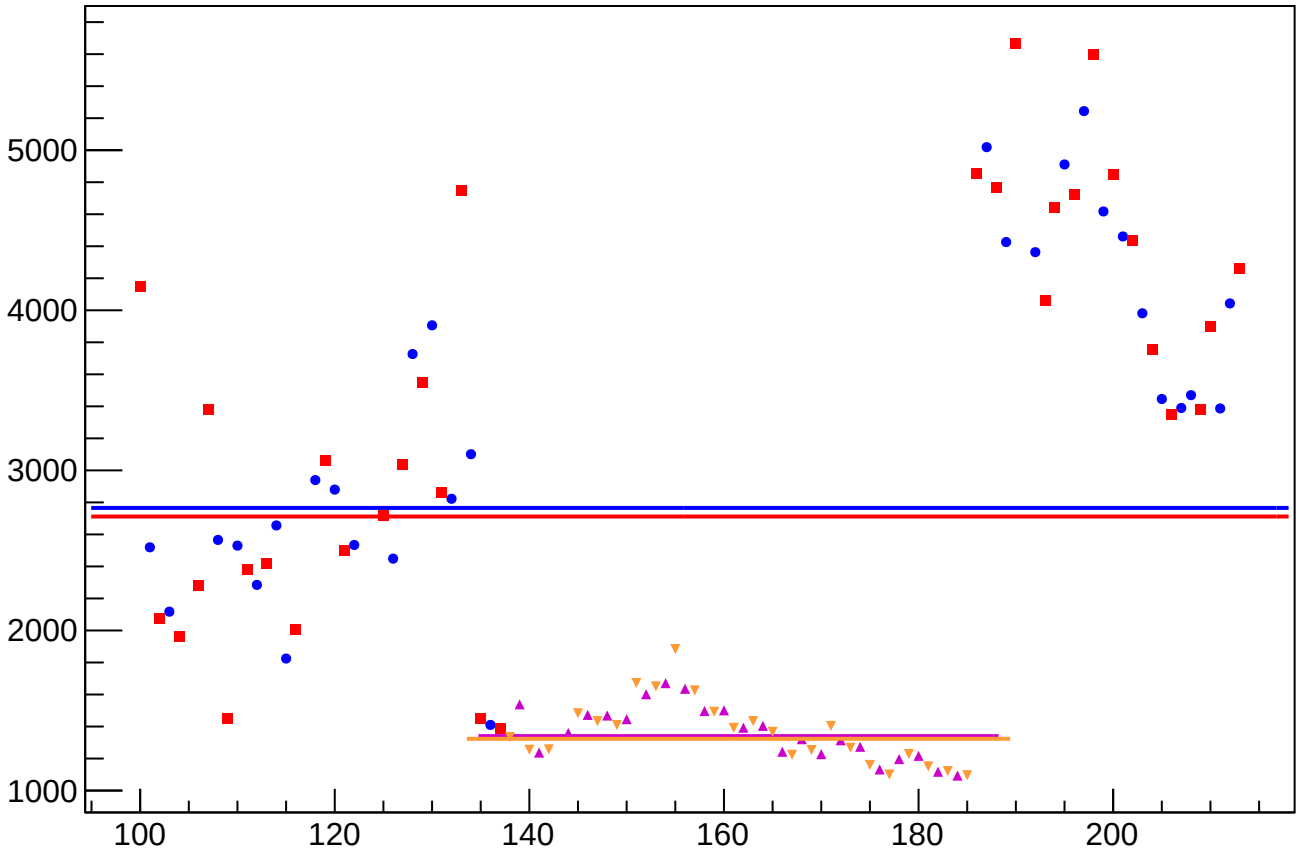
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -136.363+/-493.740 χ^2/NDF: 69.2/60

In: -52.278+/-288.398 χ^2/NDF:67.5/51

Out: -793.920+/-283.010 χ^2/NDF:95.9/55

All: -430.091+/-201.996 χ^2/NDF: 166.8/107



Right In: 2765.549+/-0.502 χ^2/NDF: 4363728.4/28

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

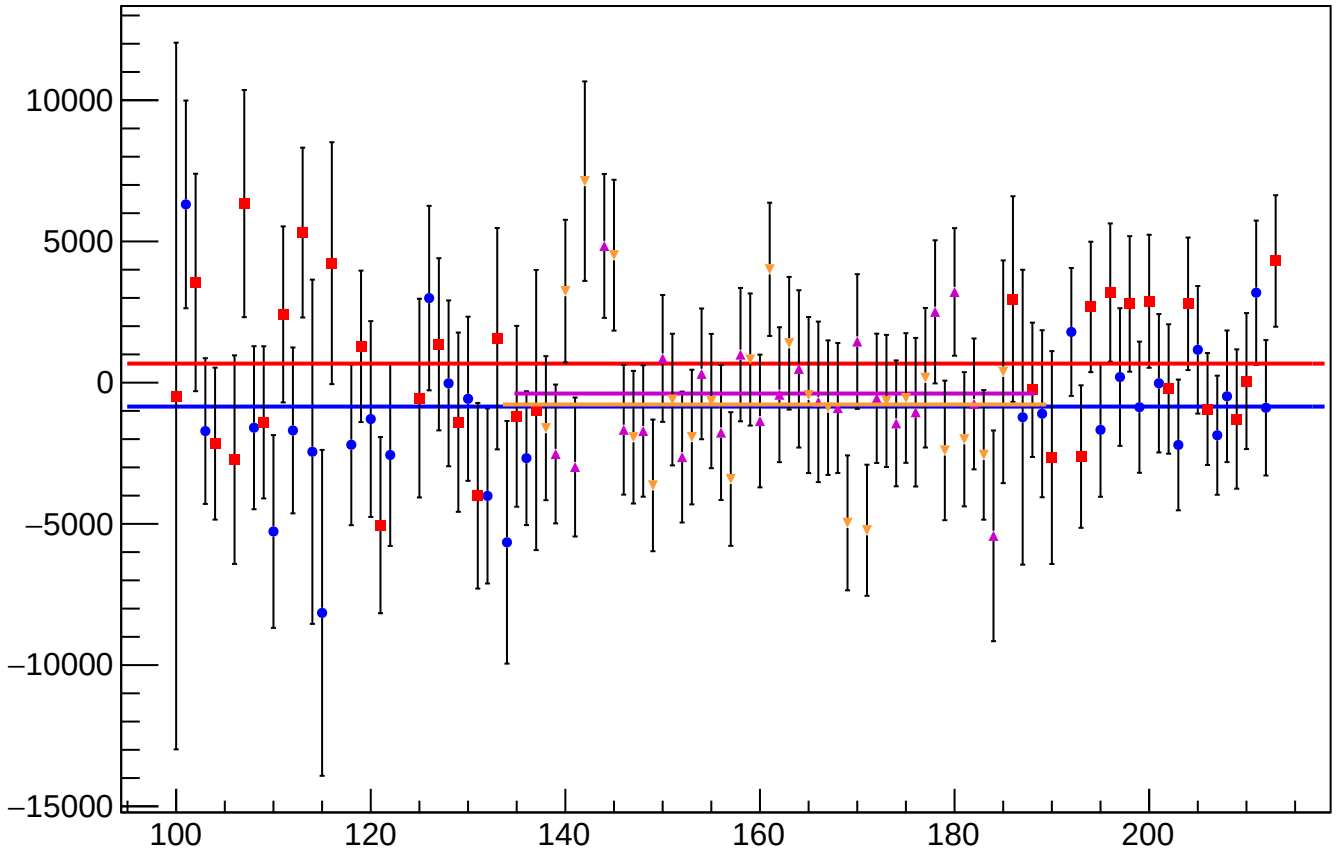
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2737.763+/-0.349 χ^2/NDF: 10070641.8/60

In: 1574.963+/-0.204 χ^2/NDF:11582336.8/51

Out: 1559.266+/-0.200 χ^2/NDF:13152902.2/55

All: 1566.967+/-0.143 χ^2/NDF: 24738257.3/1



Right In: -847.263+/-517.460 χ^2/NDF: 18.0/28

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

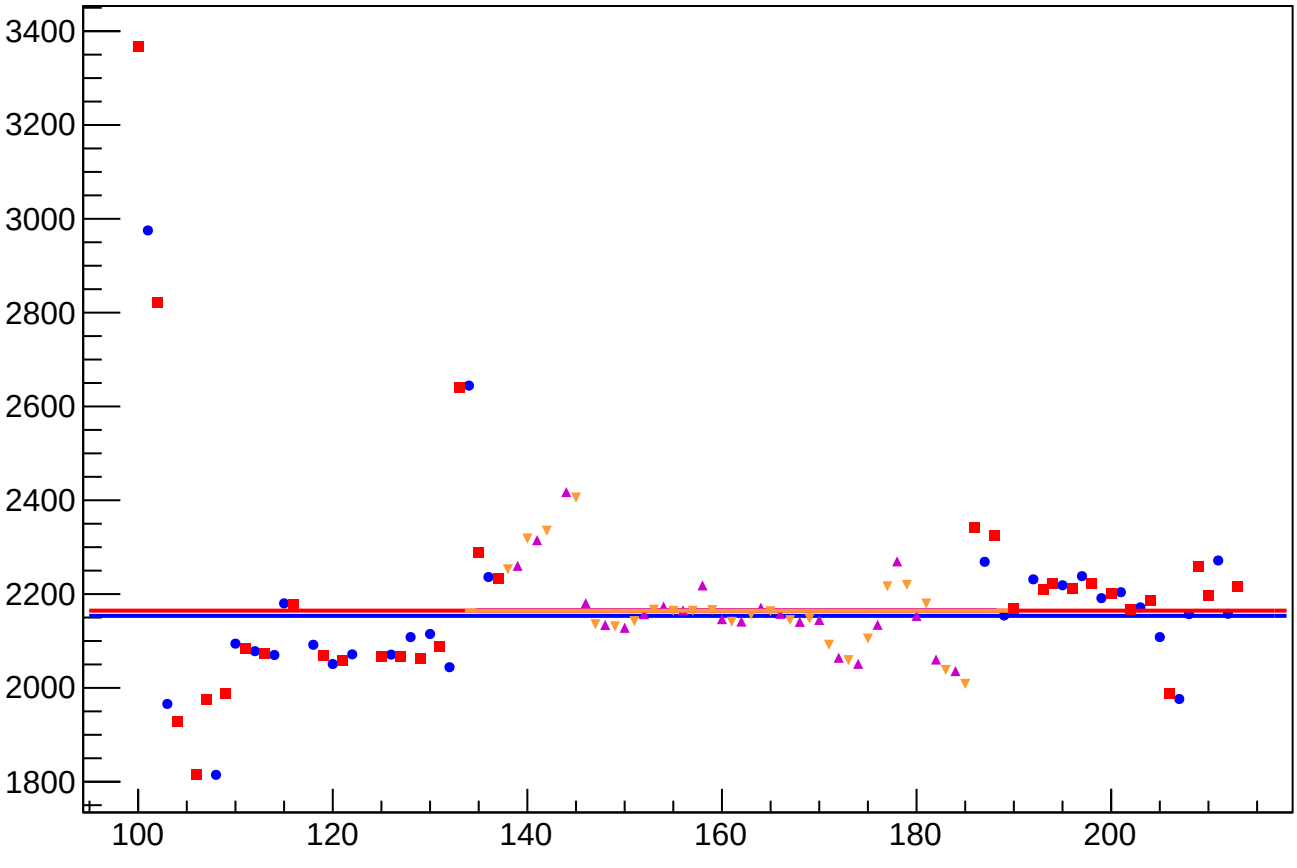
Left: -580.668+/-356.683 χ^2/NDF: 44.5/46

Right: -68.473+/-361.561 χ^2/NDF: 48.7/60

In: -611.117+/-361.799 χ^2/NDF:34.0/51

Out: -53.278+/-356.456 χ^2/NDF:59.0/55

All: -328.049+/-253.920 χ^2/NDF: 94.2/107



Right In: 2153.566+/-0.366 χ^2/NDF: 205507.0/28

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

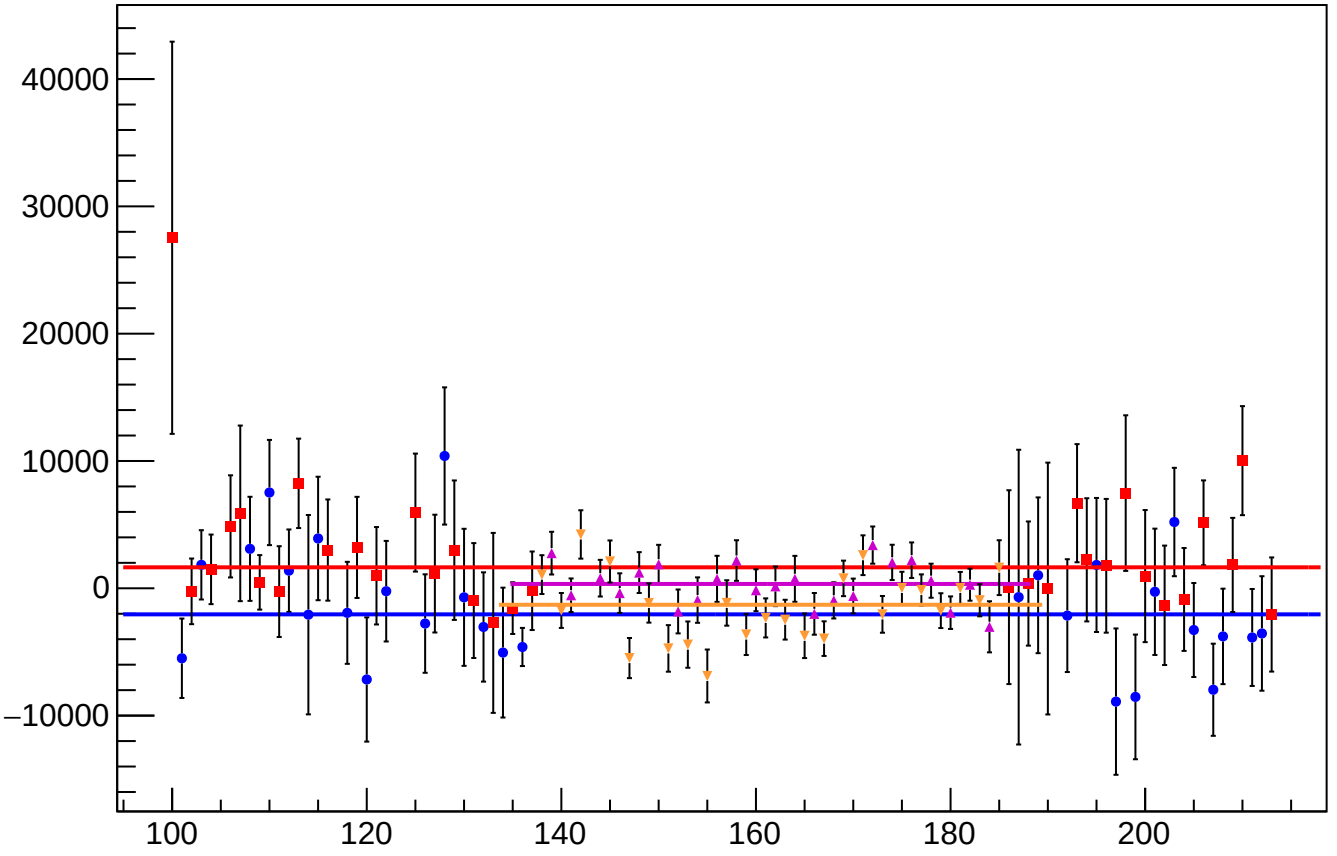
Right: 2159.279+/-0.256 χ^2/NDF: 414980.7/60

In: 2159.739+/-0.256 χ^2/NDF:258188.3/51

Out: 2164.630+/-0.252 χ^2/NDF:259673.8/55

All: 2162.221+/-0.180 χ^2/NDF: 518047.5/107

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2047.085+/-710.476 χ^2/NDF: 33.3/28

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1648.336+/-686.644 χ^2/NDF: 22.0/31

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

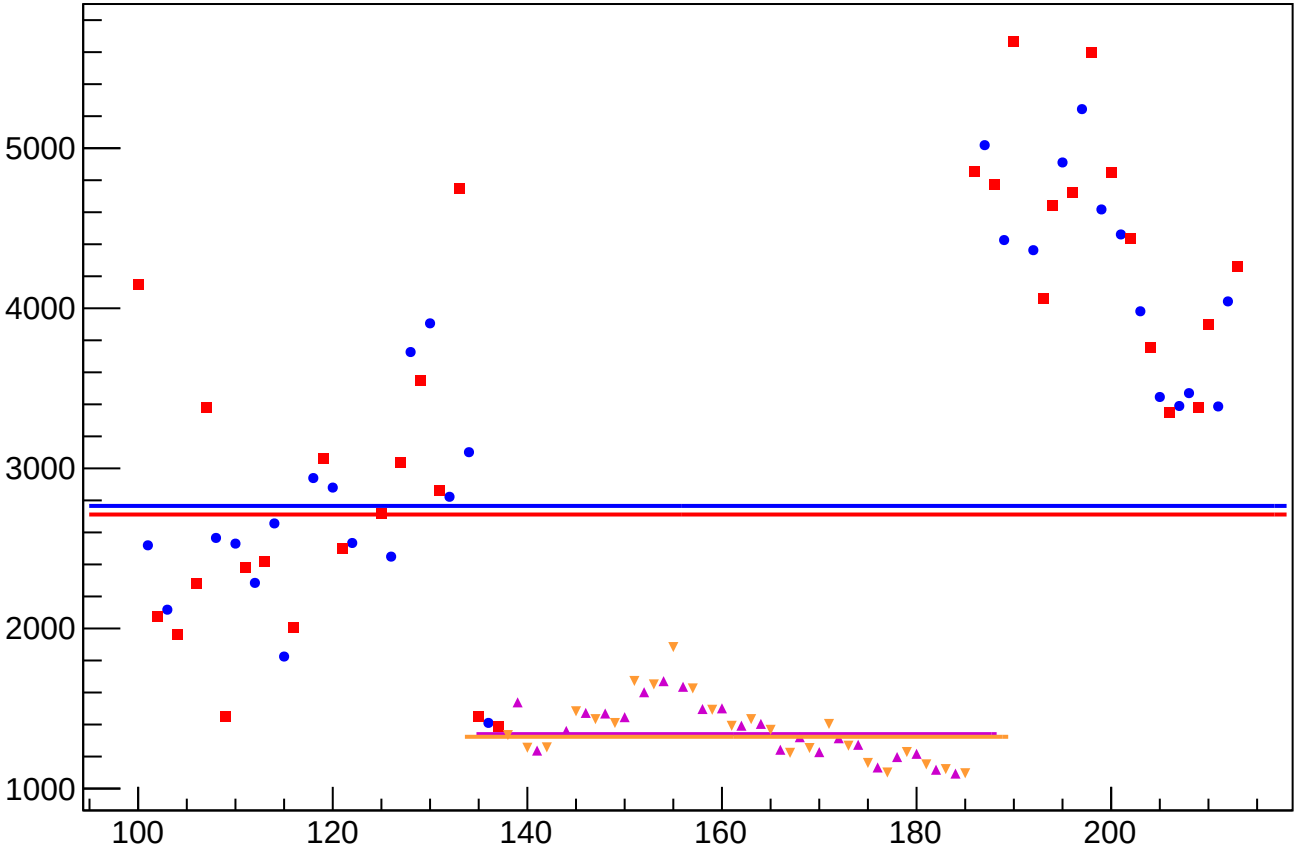
Right: -136.354+/-493.741 χ^2/NDF: 69.2/60

In: -52.277+/-288.398 χ^2/NDF:67.5/51

Out: -793.921+/-283.010 χ^2/NDF:95.9/55

All: -430.091+/-201.996 χ^2/NDF: 166.8/107

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2765.560+/-0.502 χ^2/NDF: 4363626.9/28

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

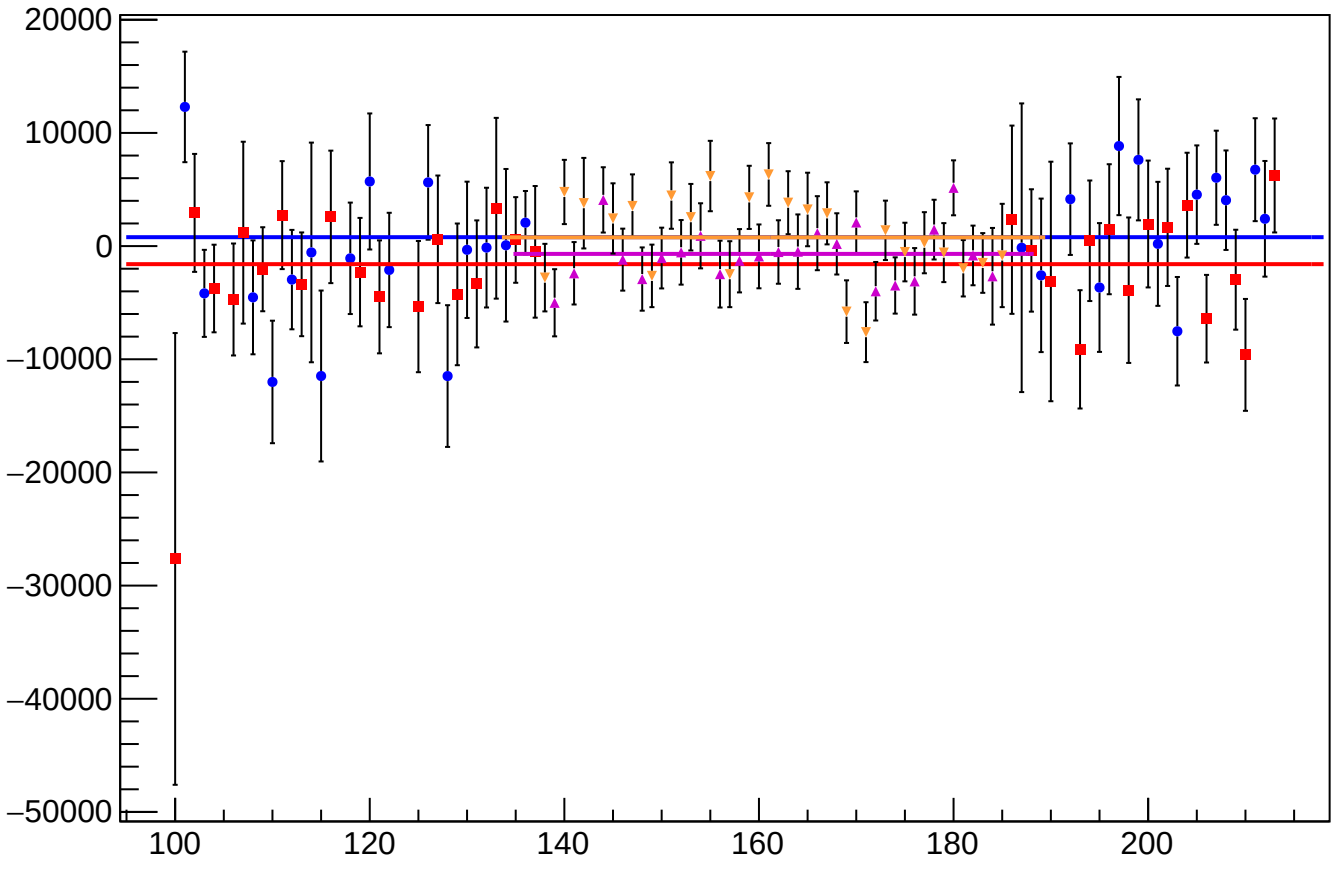
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2737.775+/-0.349 χ^2/NDF: 10070443.1/60

In: 1574.962+/-0.204 χ^2/NDF:11582336.3/51

Out: 1559.267+/-0.200 χ^2/NDF:13152891.2/55

All: 1566.967+/-0.143 χ^2/NDF: 24738245.2/1



Right In: 787.335+/-938.182 χ^2/NDF: 35.9/28

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

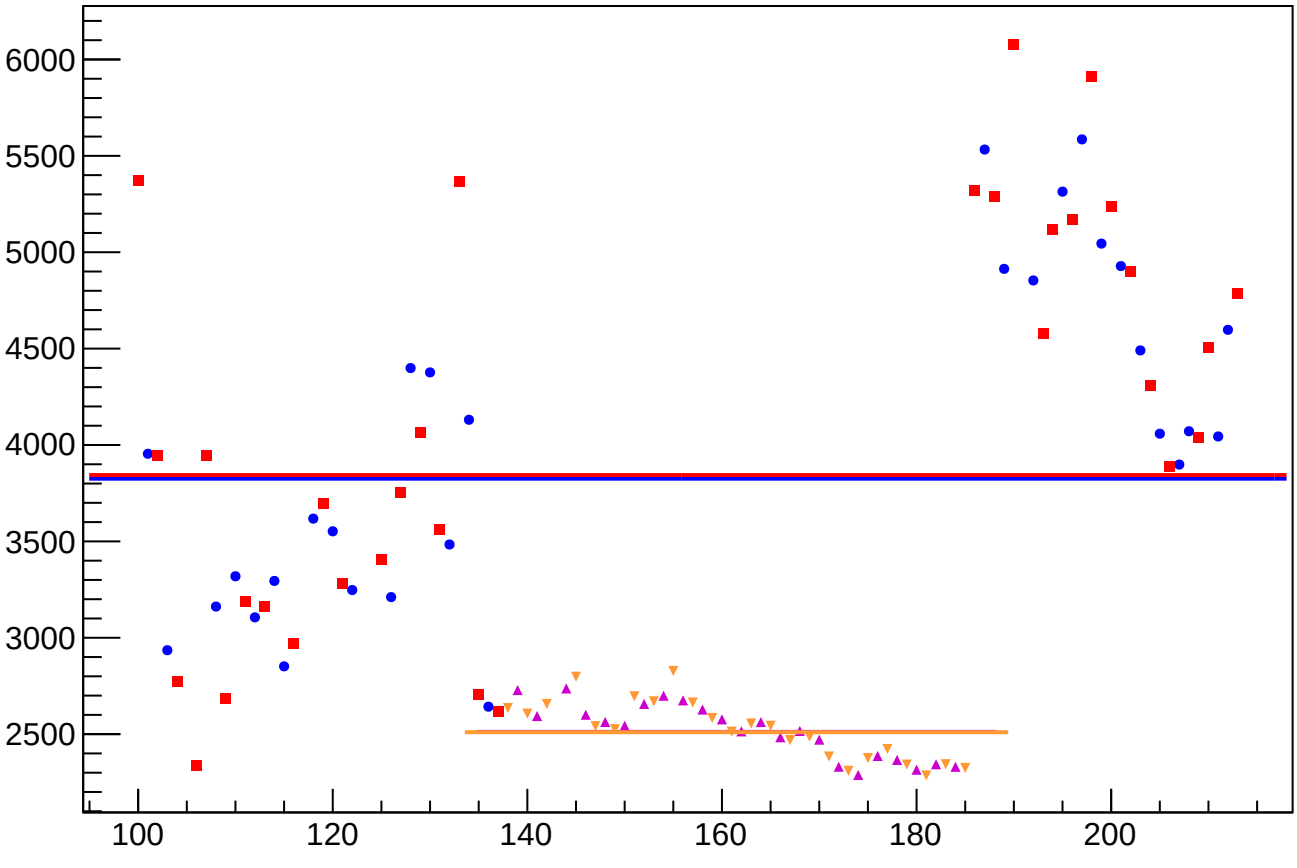
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -422.272+/-658.350 χ^2/NDF: 57.6/60

In: -273.918+/-497.886 χ^2/NDF:56.0/51

Out: 98.715+/-493.489 χ^2/NDF:62.5/55

All: -85.949+/-350.494 χ^2/NDF: 118.8/107



Right In: 3825.349+/-0.663 χ^2/NDF: 1483692.2/28

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

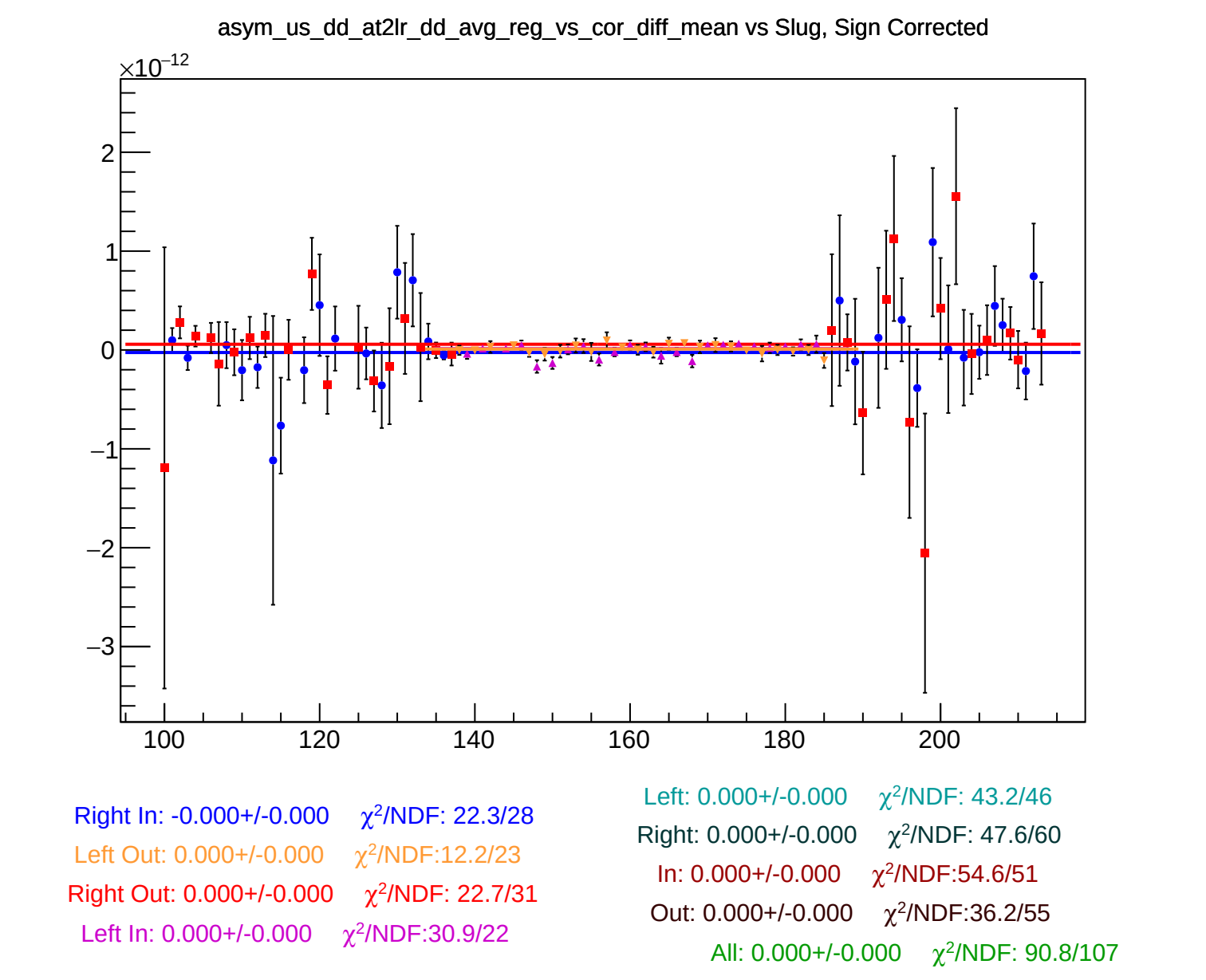
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

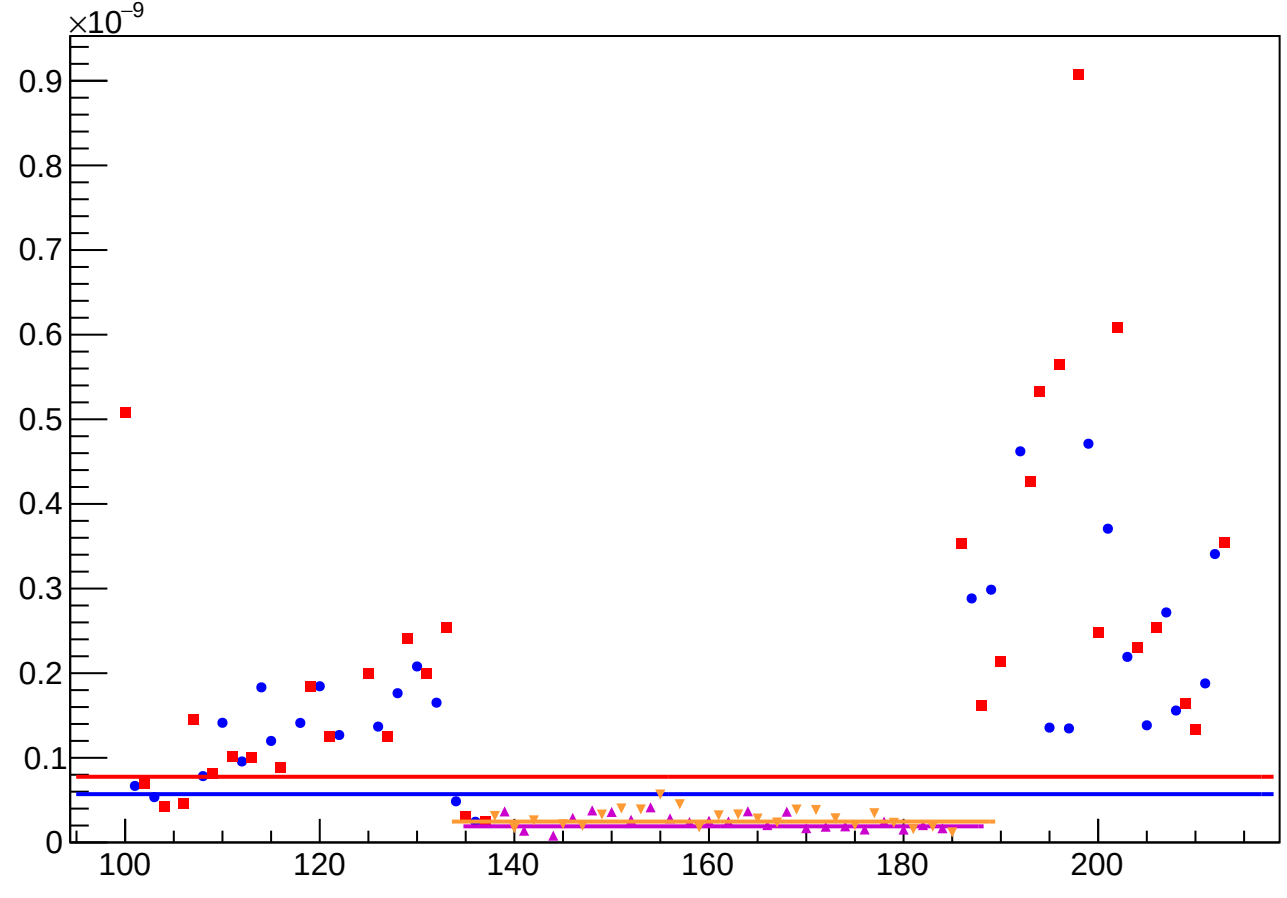
Right: 3834.863+/-0.466 χ^2/NDF: 3646157.6/60

In: 2881.606+/-0.352 χ^2/NDF:4414382.6/51

Out: 2890.530+/-0.349 χ^2/NDF:5270146.5/55

All: 2886.108+/-0.248 χ^2/NDF: 9684853.2/10


asym_us_dd_at2lr_dd_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: 22.3/28
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.7/31
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.2/46
Right: 0.000+/-0.000 χ²/NDF: 47.6/60
In: 0.000+/-0.000 χ²/NDF:54.6/51
Out: 0.000+/-0.000 χ²/NDF:36.2/55
All: 0.000+/-0.000 χ²/NDF: 90.8/107



Right In: 0.000+/-0.000 χ^2/NDF: 7072270.3/28

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

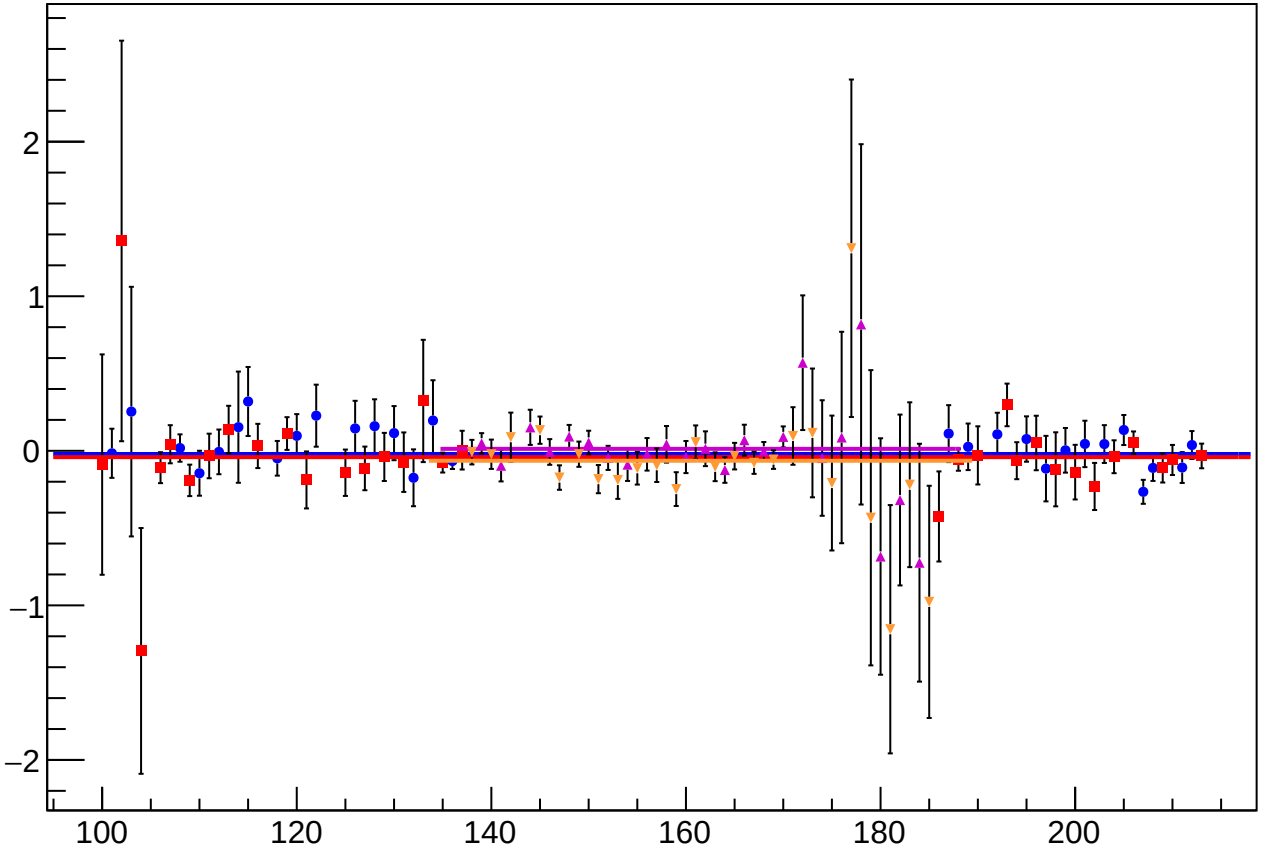
Right: 0.000+/-0.000 χ^2/NDF: 15284728.0/60

In: 0.000+/-0.000 χ^2/NDF:11764145.3/51

Out: 0.000+/-0.000 χ^2/NDF:12504795.7/55

All: 0.000+/-0.000 χ^2/NDF: 24750193.5/107

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.023 χ^2/NDF: 28.0/28

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

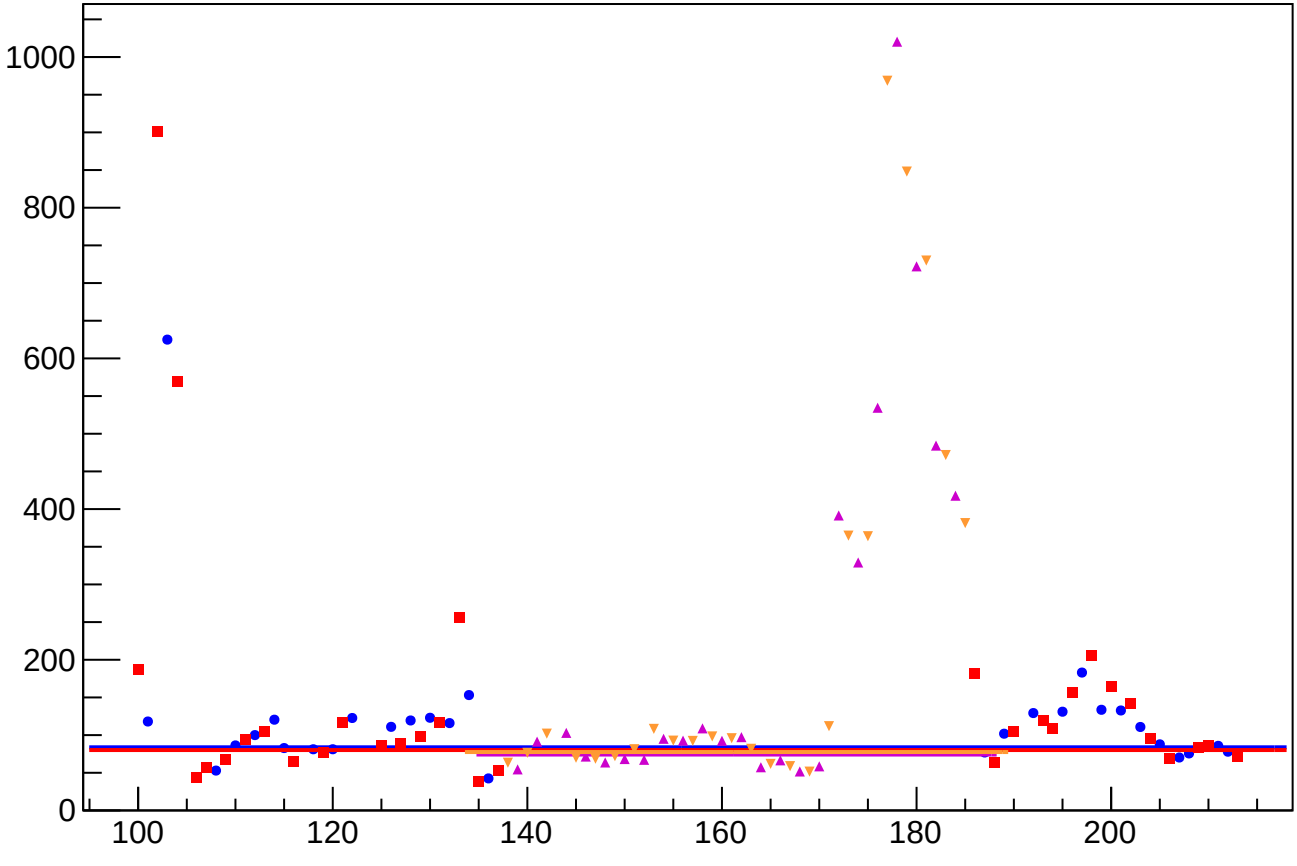
Right: -0.031+/-0.016 χ^2/NDF: 53.8/60

In: -0.003+/-0.015 χ^2/NDF:44.1/51

Out: -0.052+/-0.015 χ^2/NDF:48.4/55

All: -0.028+/-0.011 χ^2/NDF: 97.7/107

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 83.814+/-0.016 χ^2/NDF: 4598431.0/28

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

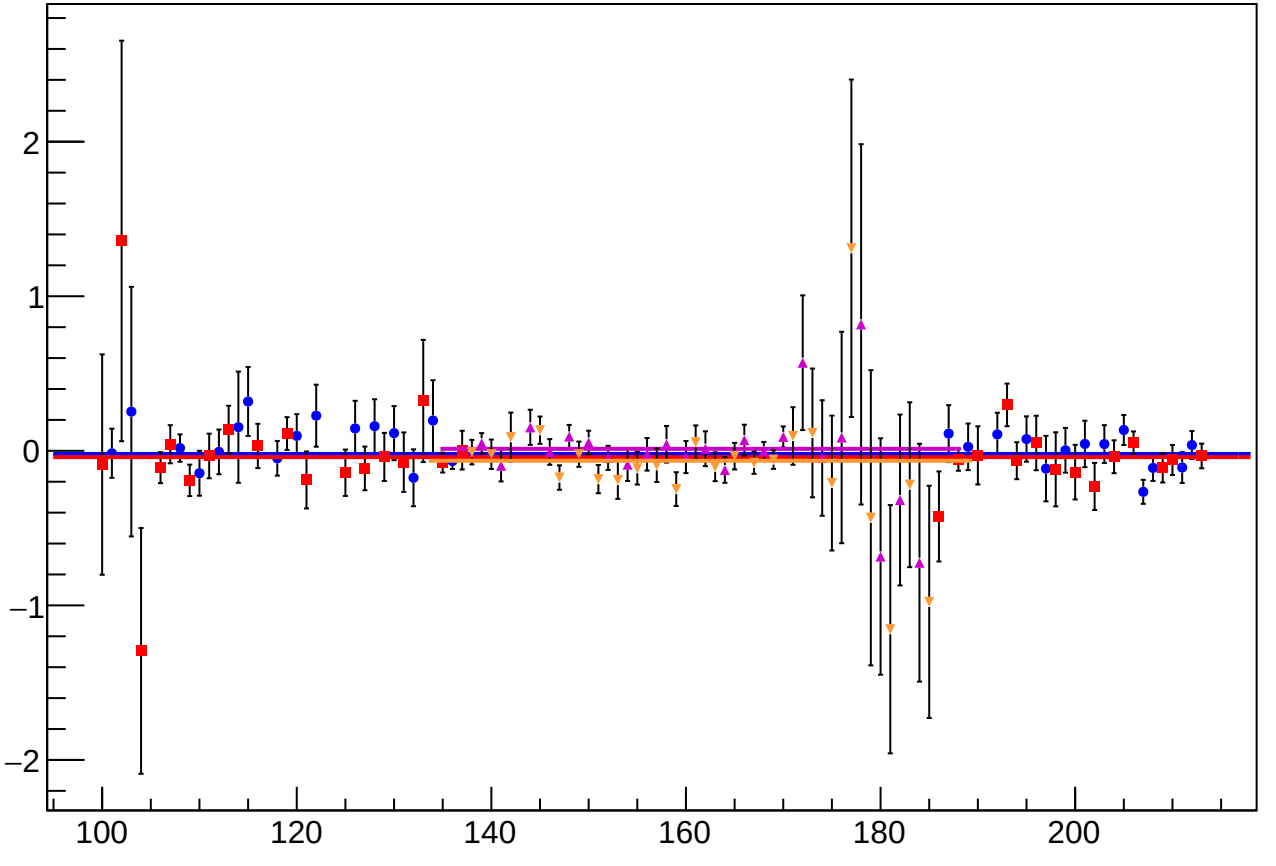
Right: 81.916+/-0.011 χ^2/NDF: 10705531.8/60

In: 78.684+/-0.011 χ^2/NDF:13304686.9/51

Out: 78.886+/-0.011 χ^2/NDF:14426059.2/55

All: 78.785+/-0.008 χ^2/NDF: 27730918.0/107

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.023 χ^2/NDF: 28.0/28

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

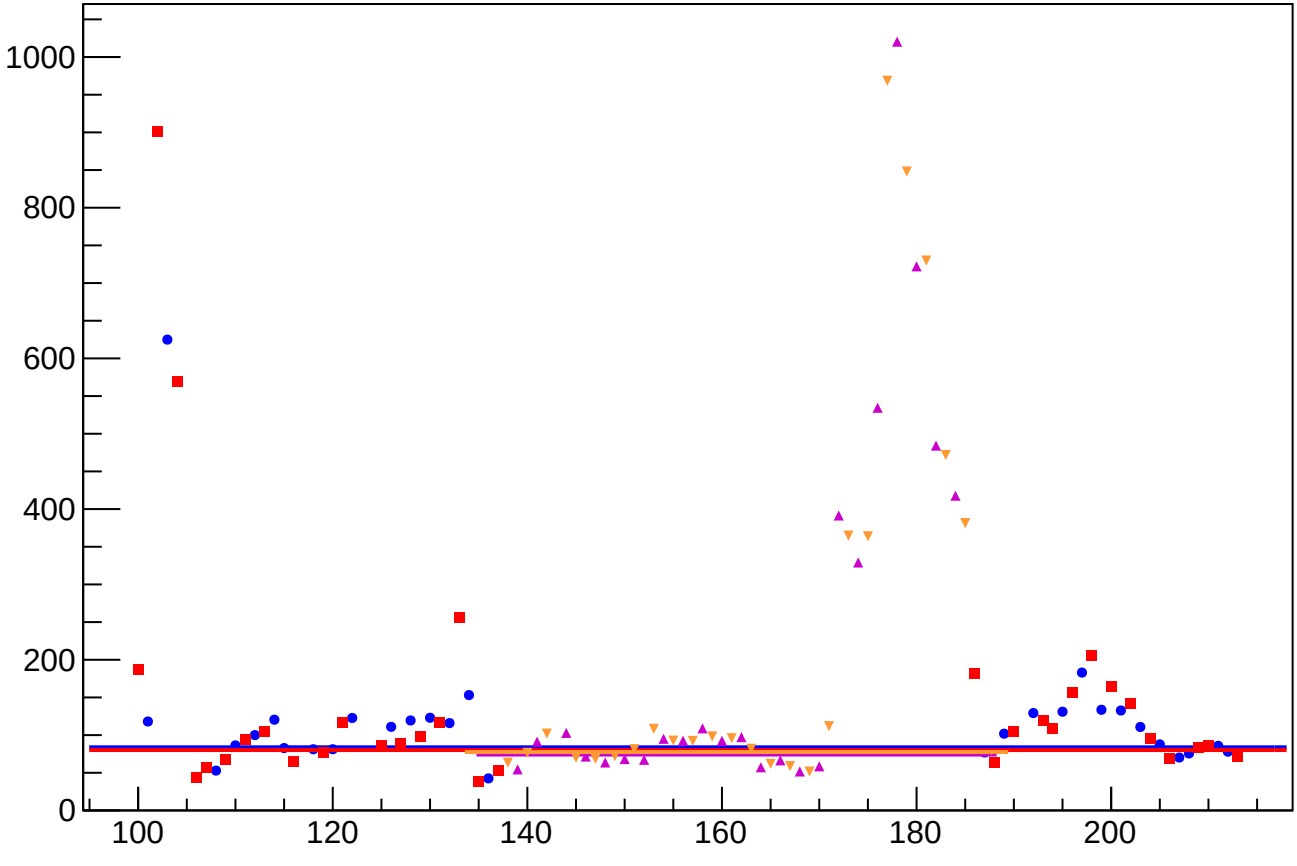
Right: -0.031+/-0.016 χ^2/NDF: 53.8/60

In: -0.003+/-0.015 χ^2/NDF:44.1/51

Out: -0.052+/-0.015 χ^2/NDF:48.4/55

All: -0.028+/-0.011 χ^2/NDF: 97.7/107

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 83.814+/-0.016 χ^2/NDF: 4598431.0/28

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

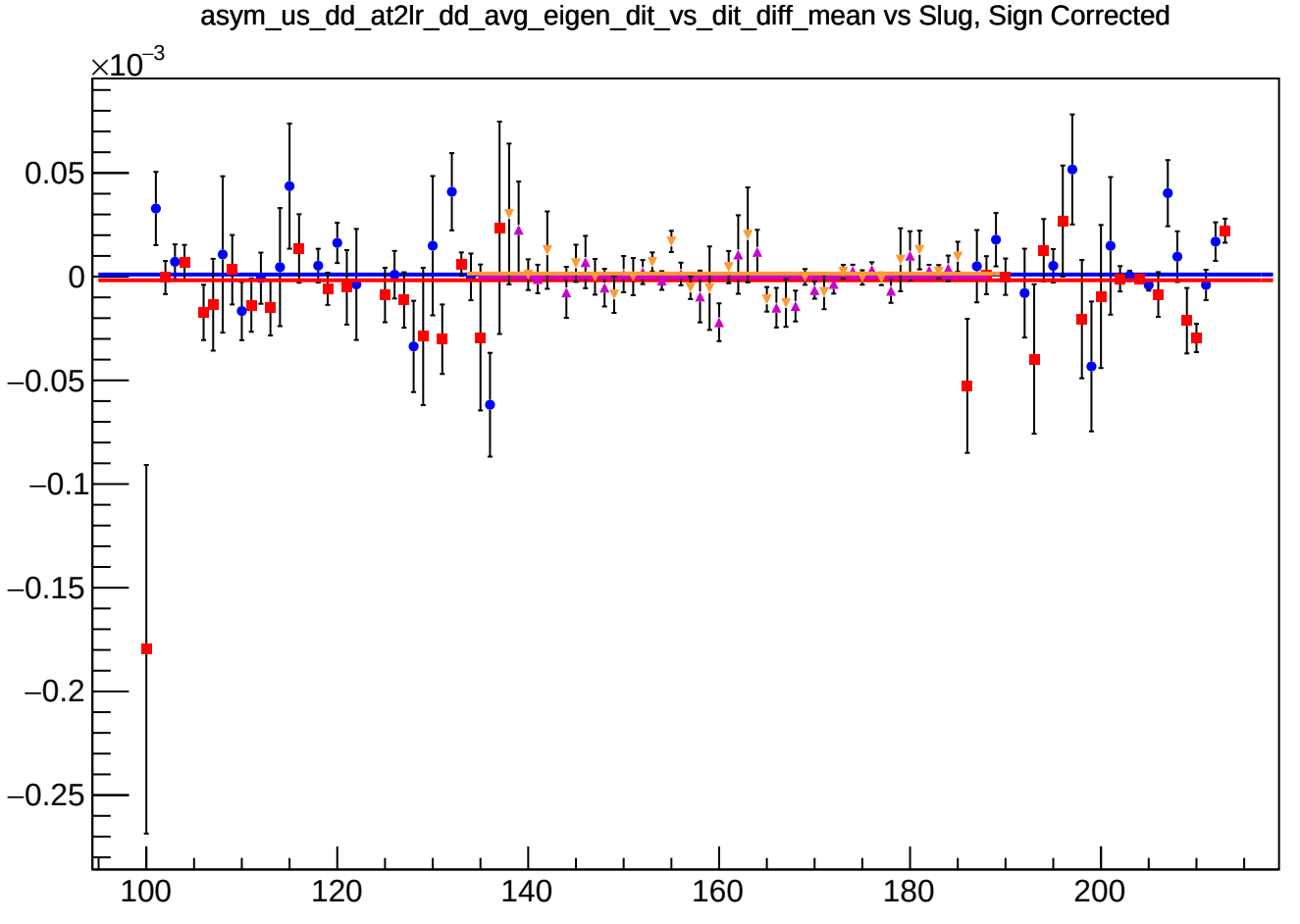
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 81.916+/-0.011 χ^2/NDF: 10705531.8/60

In: 78.684+/-0.011 χ^2/NDF:13304686.9/51

Out: 78.886+/-0.011 χ^2/NDF:14426059.2/55

All: 78.785+/-0.008 χ^2/NDF: 27730918.0/107



Right In: 0.000+/-0.000 χ^2/NDF: 45.4/28

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

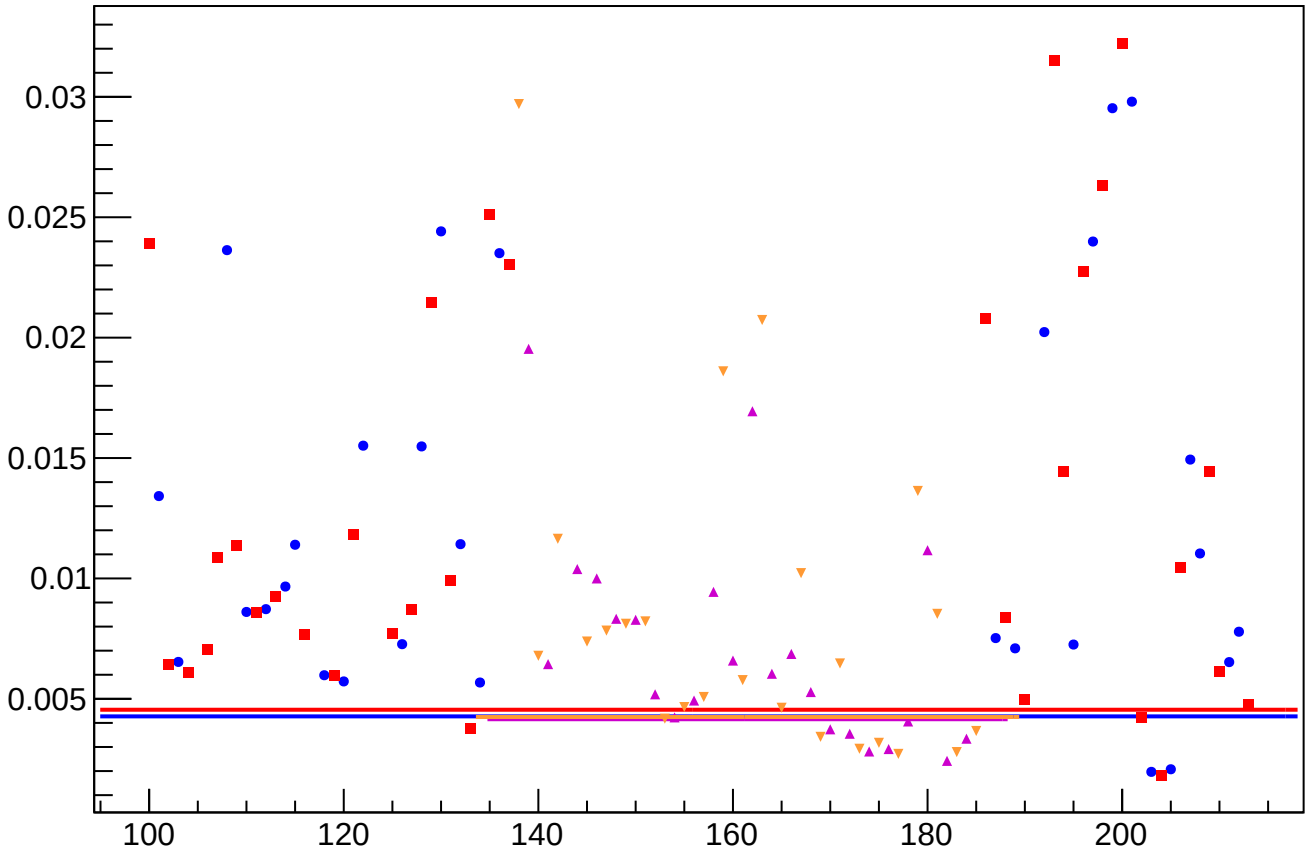
Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

Right: -0.000+/-0.000 χ^2/NDF: 106.0/60

In: 0.000+/-0.000 χ^2/NDF:70.6/51

Out: 0.000+/-0.000 χ^2/NDF:88.9/55

All: 0.000+/-0.000 χ^2/NDF: 159.4/107



Right In: 0.004+/-0.000 χ^2/NDF: 15399630.0/28

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

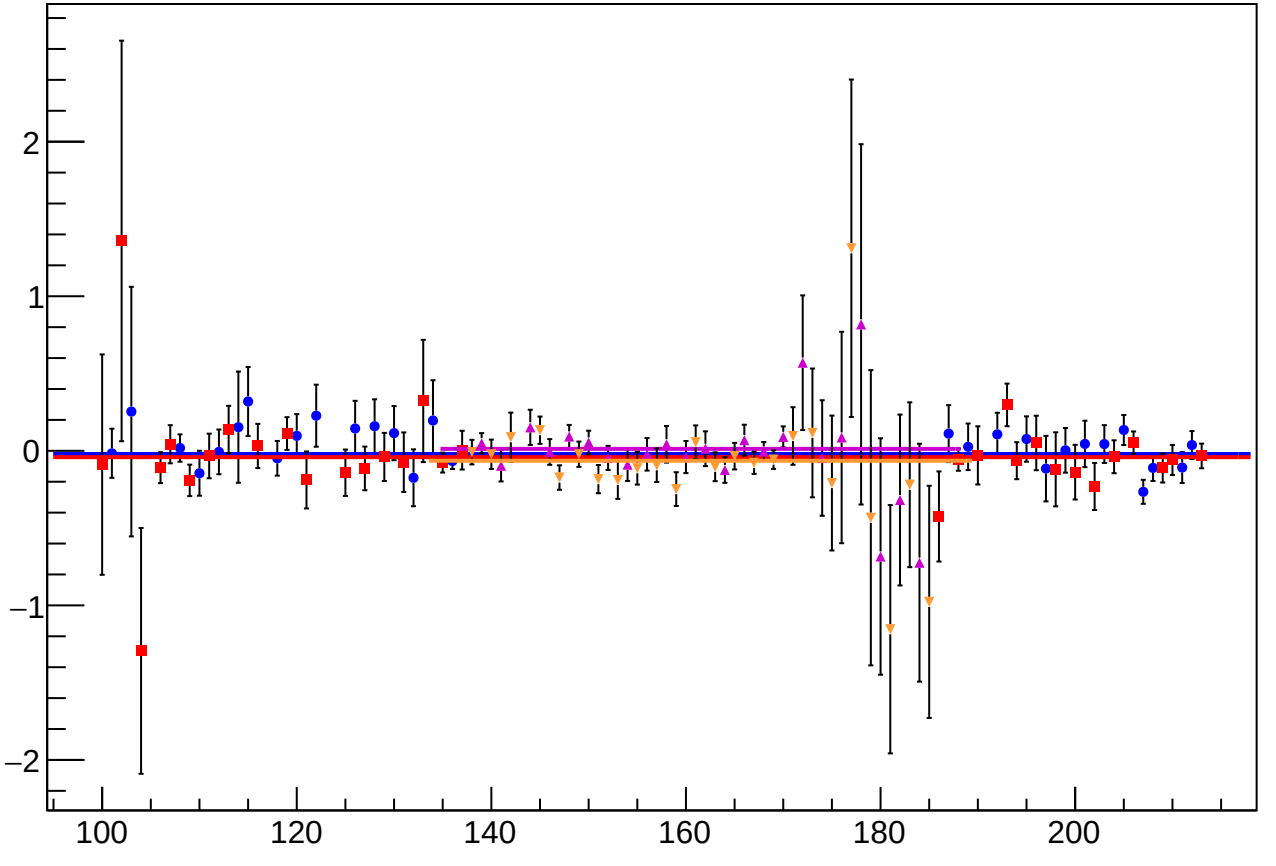
Right: 0.004+/-0.000 χ^2/NDF: 30300586.2/60

In: 0.004+/-0.000 χ^2/NDF:22293834.9/51

Out: 0.004+/-0.000 χ^2/NDF:23569648.1/55

All: 0.004+/-0.000 χ^2/NDF: 45895223.3/107

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.023 χ^2/NDF: 28.0/28

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

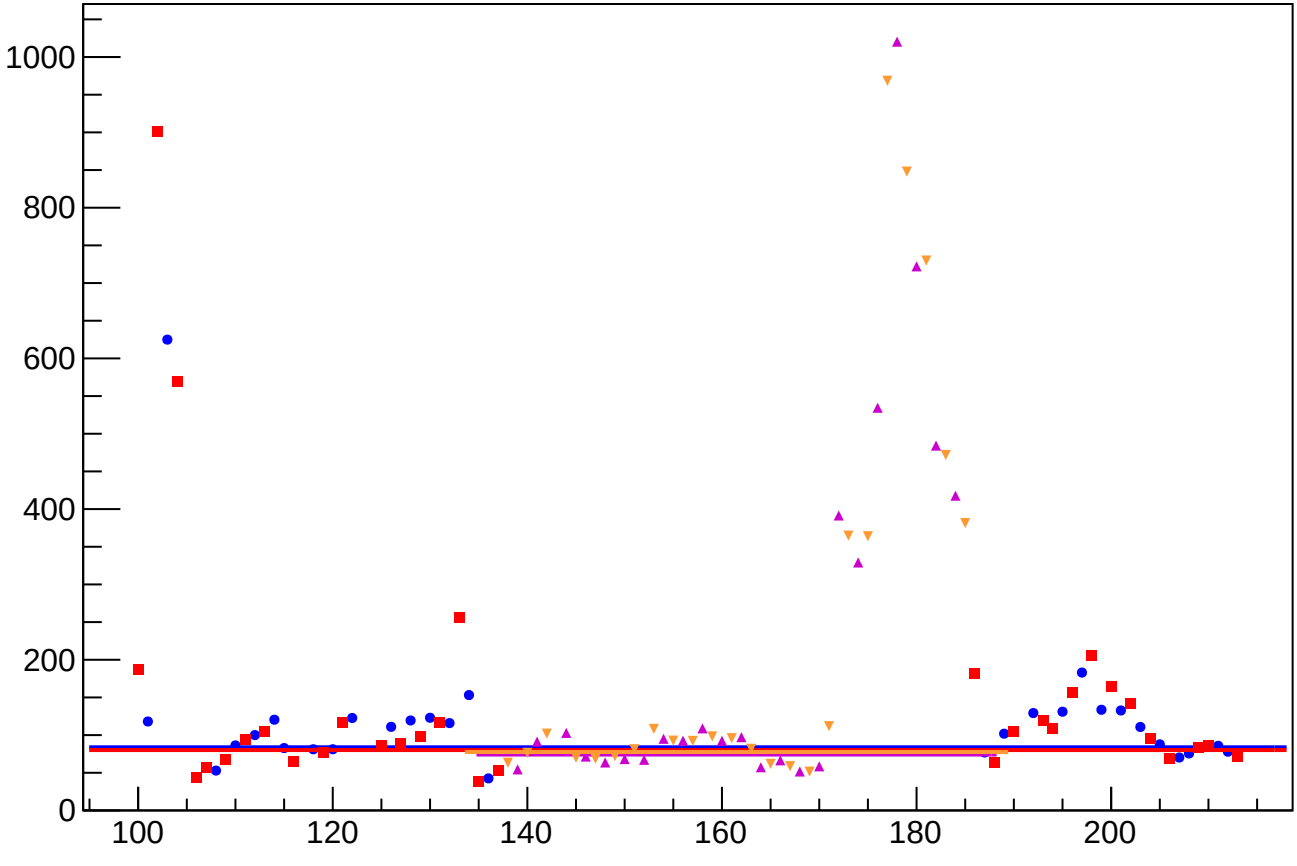
Right: -0.031+/-0.016 χ^2/NDF: 53.8/60

In: -0.003+/-0.015 χ^2/NDF:44.1/51

Out: -0.052+/-0.015 χ^2/NDF:48.4/55

All: -0.028+/-0.011 χ^2/NDF: 97.7/107

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 83.828+/-0.016 χ^2/NDF: 4595093.8/28

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

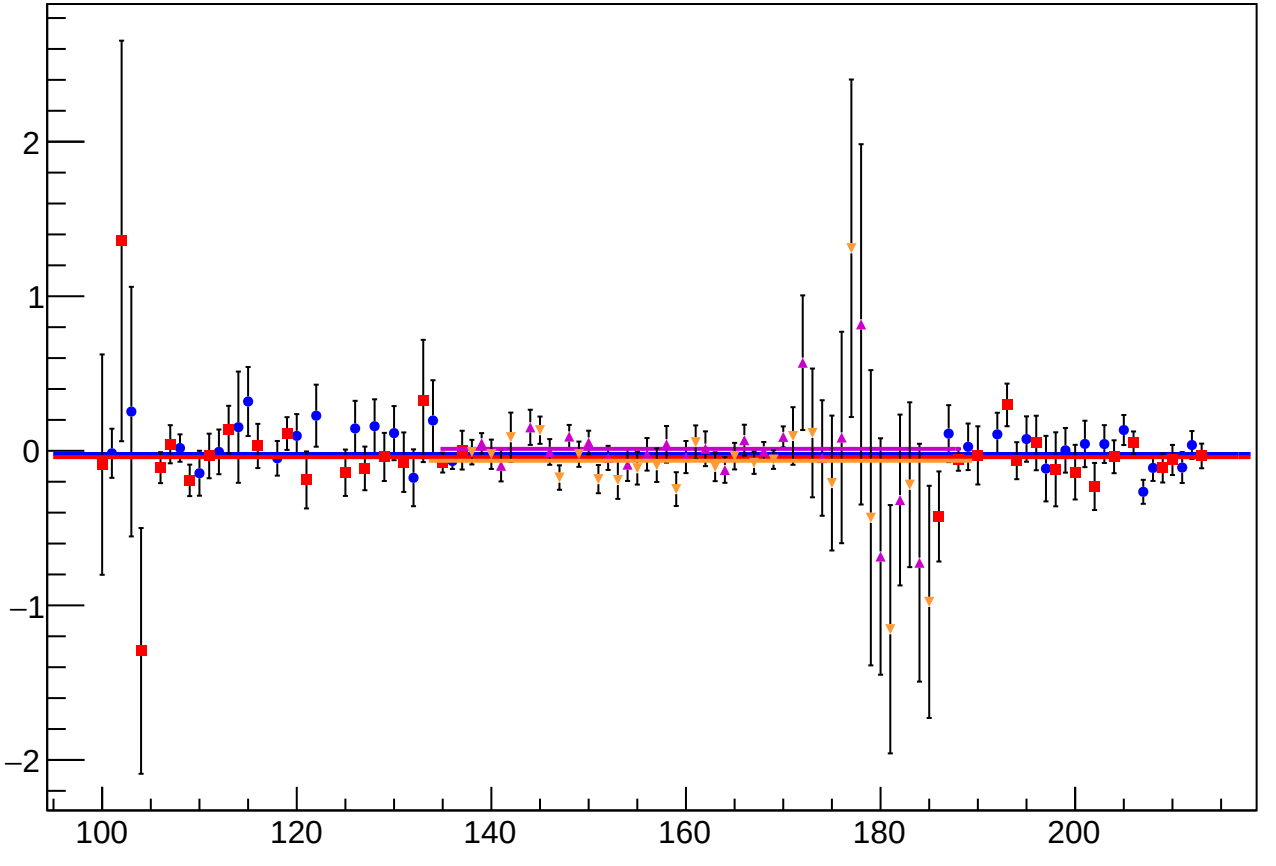
Right: 81.919+/-0.011 χ^2/NDF: 10704053.0/60

In: 78.691+/-0.011 χ^2/NDF:13301550.9/51

Out: 78.883+/-0.011 χ^2/NDF:14427476.1/55

All: 78.787+/-0.008 χ^2/NDF: 27729182.6/107

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.023 χ^2/NDF: 28.0/28

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

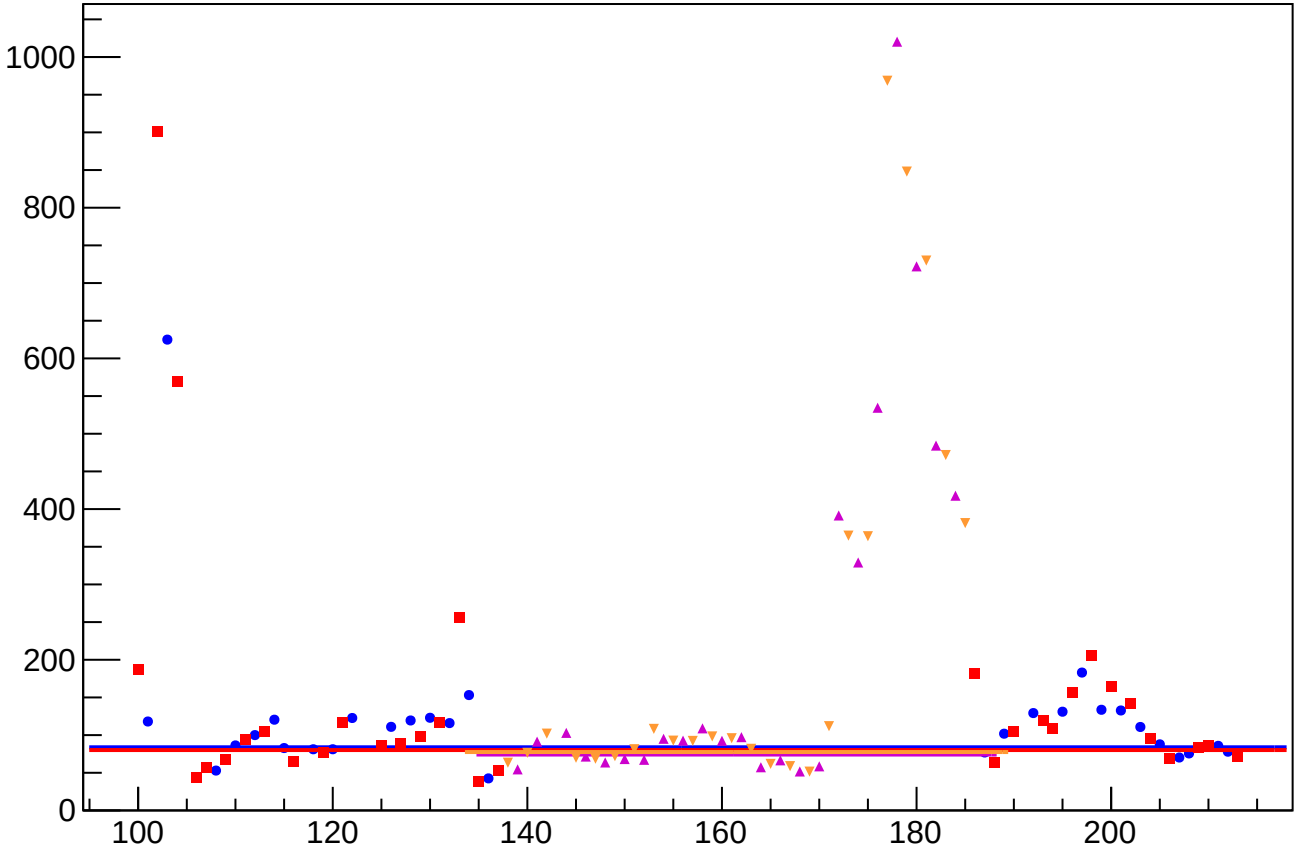
Right: -0.031+/-0.016 χ^2/NDF: 53.8/60

In: -0.003+/-0.015 χ^2/NDF:44.1/51

Out: -0.052+/-0.015 χ^2/NDF:48.4/55

All: -0.028+/-0.011 χ^2/NDF: 97.7/107

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 83.828+/-0.016 χ^2/NDF: 4595093.8/28

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

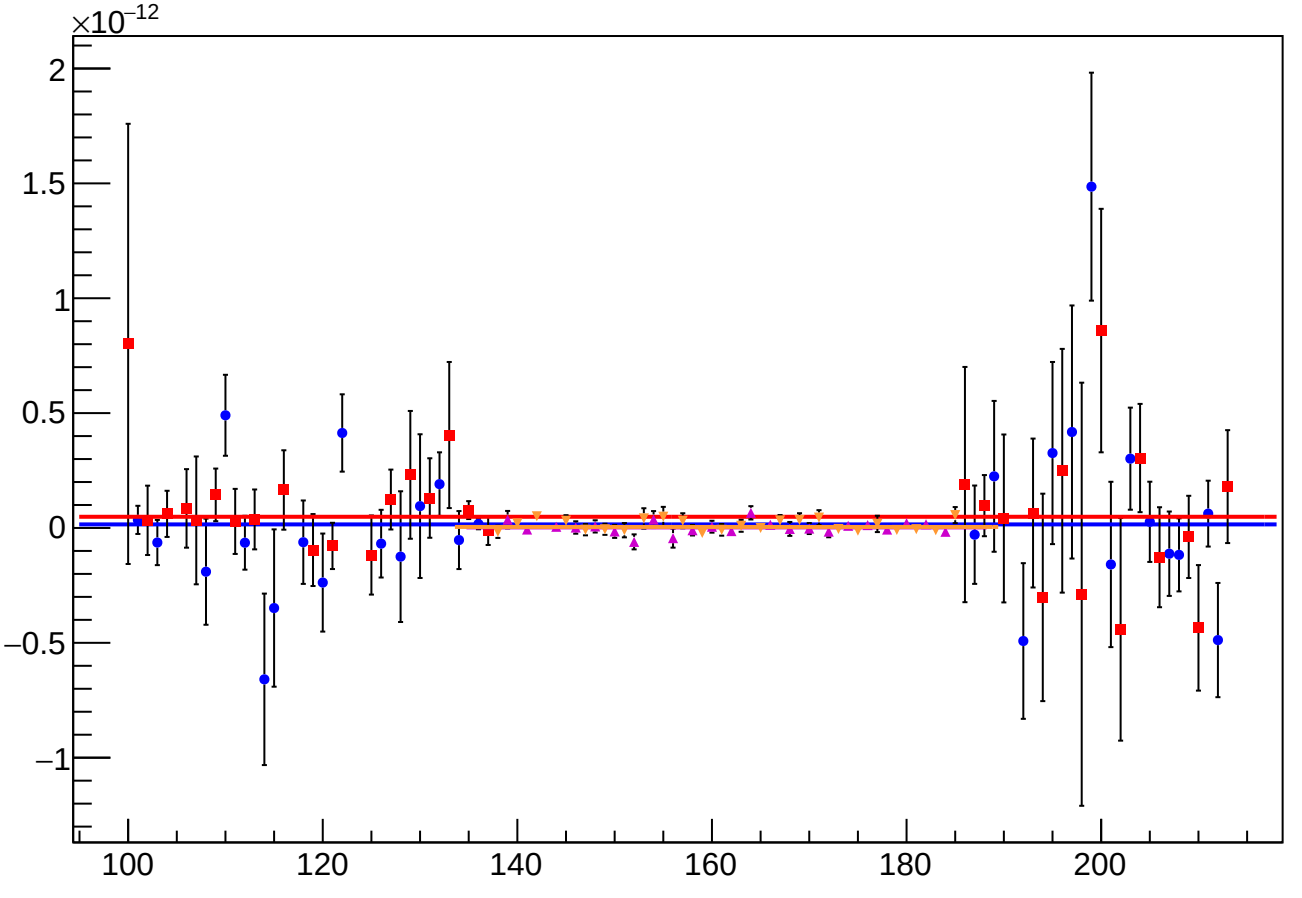
Right: 81.919+/-0.011 χ^2/NDF: 10704053.0/60

In: 78.691+/-0.011 χ^2/NDF:13301550.9/51

Out: 78.883+/-0.011 χ^2/NDF:14427476.1/55

All: 78.787+/-0.008 χ^2/NDF: 27729182.6/107

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 43.3/28

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

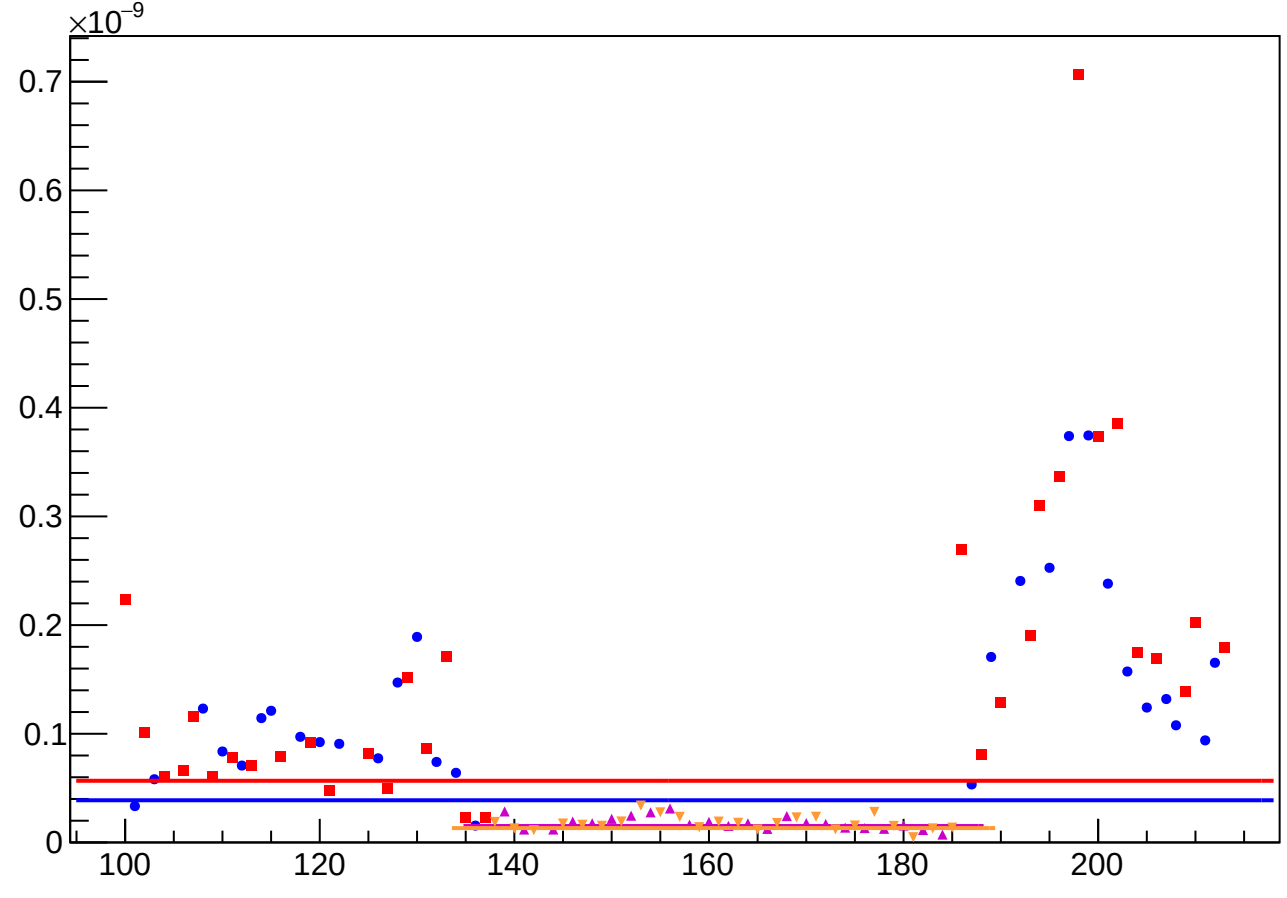
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

Right: 0.000+/-0.000 χ^2/NDF: 63.5/60

In: 0.000+/-0.000 χ^2/NDF:61.3/51

Out: 0.000+/-0.000 χ^2/NDF:44.1/55

All: 0.000+/-0.000 χ^2/NDF: 105.6/107



Right In: 0.000+/-0.000 χ^2/NDF: 11157395.7/28

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10457380.4/31

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

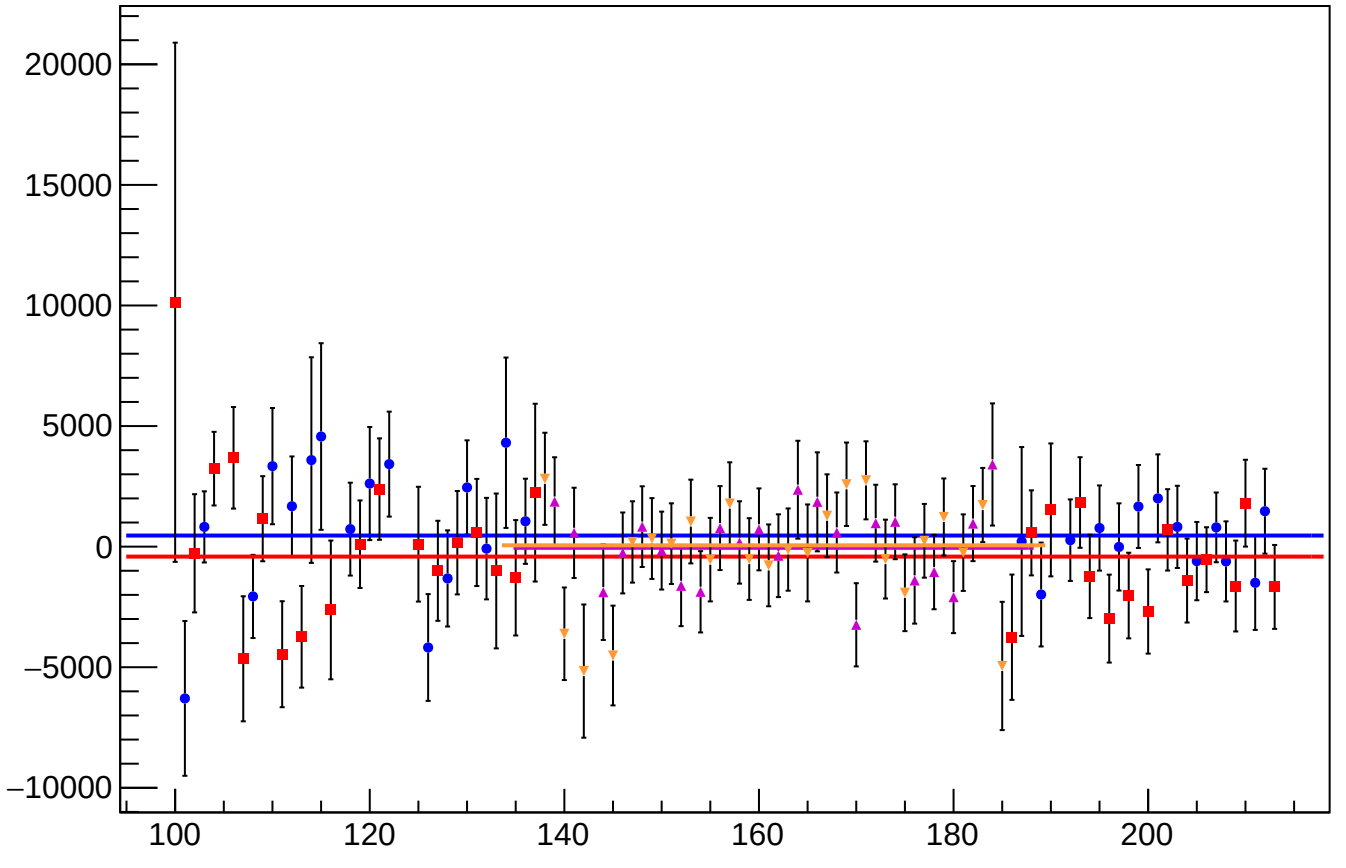
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 22336935.7/60

In: 0.000+/-0.000 χ^2/NDF:16389903.1/51

Out: 0.000+/-0.000 χ^2/NDF:21374026.6/55

All: 0.000+/-0.000 χ^2/NDF: 37948873.1/107



Right In: 460.384+/-365.777 χ^2/NDF: 25.3/28

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

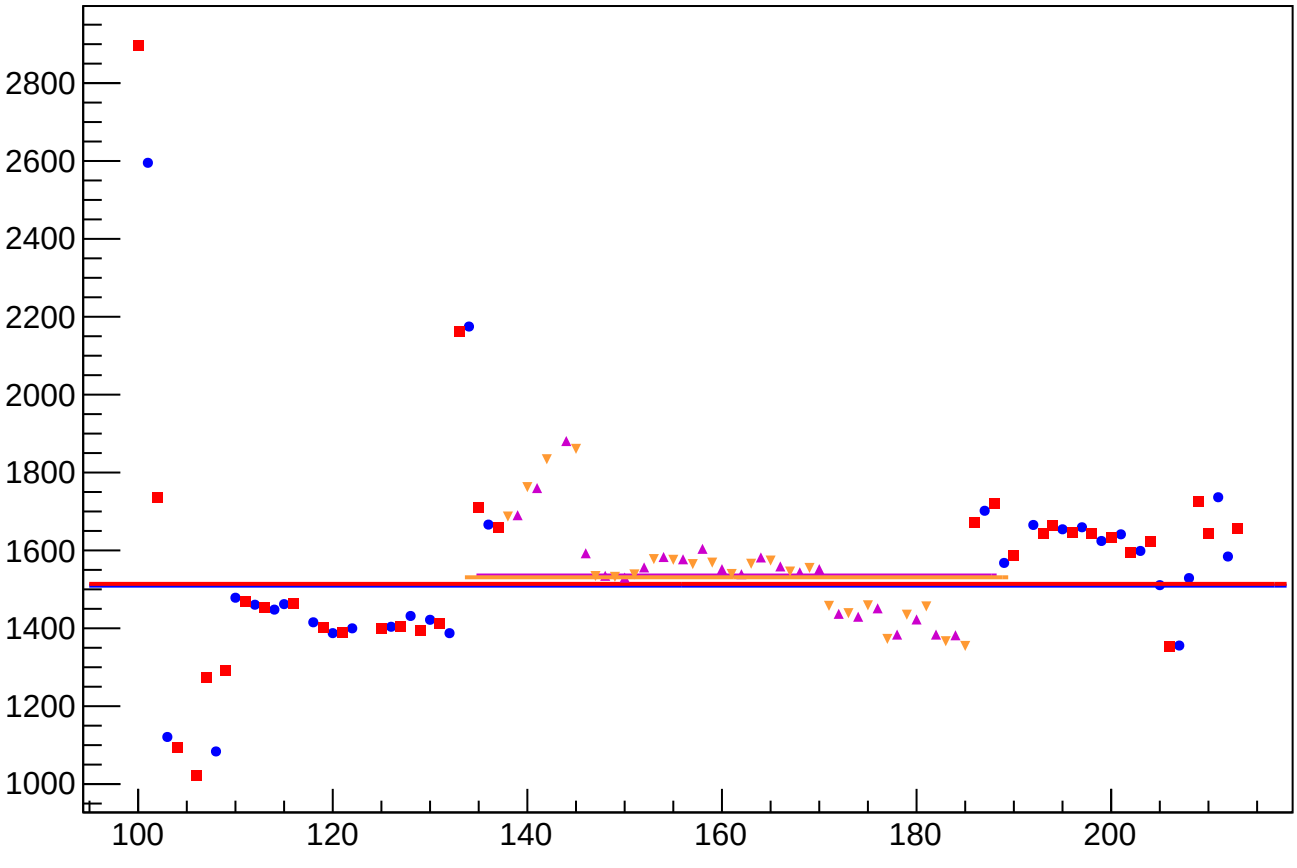
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 12.373+/-255.230 χ^2/NDF: 63.4/60

In: 201.724+/-256.406 χ^2/NDF:43.0/51

Out: -179.030+/-251.971 χ^2/NDF:64.5/55

All: 8.025+/-179.718 χ^2/NDF: 108.7/107



Right In: 1509.573+/-0.259 χ^2/NDF: 741022.1/28

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

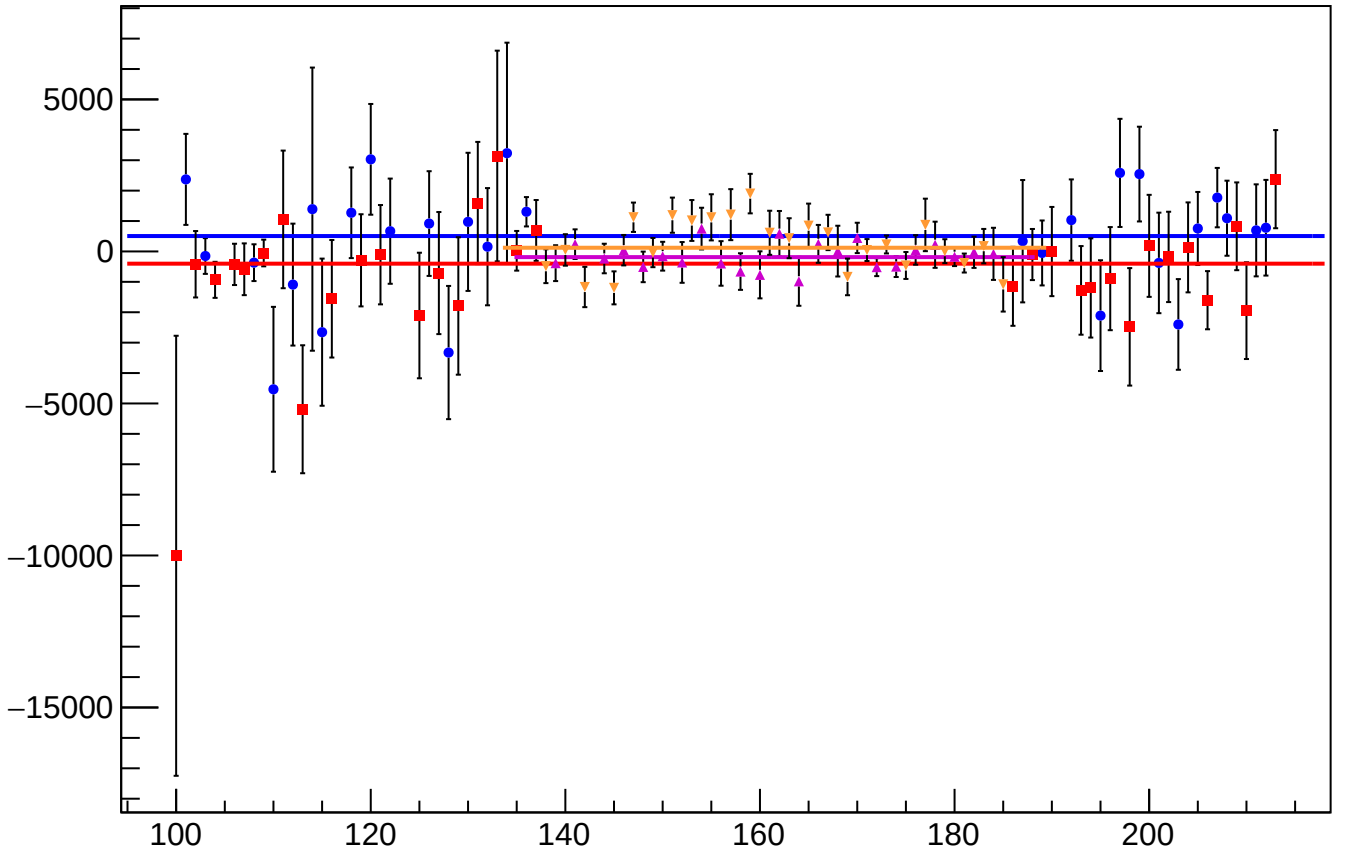
Right: 1511.890+/-0.180 χ^2/NDF: 1418206.6/60

In: 1522.786+/-0.181 χ^2/NDF:938585.8/51

Out: 1522.530+/-0.178 χ^2/NDF:882813.9/55

All: 1522.656+/-0.127 χ^2/NDF: 1821400.6/10

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 506.142+/-224.164 χ^2/NDF: 31.1/28

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

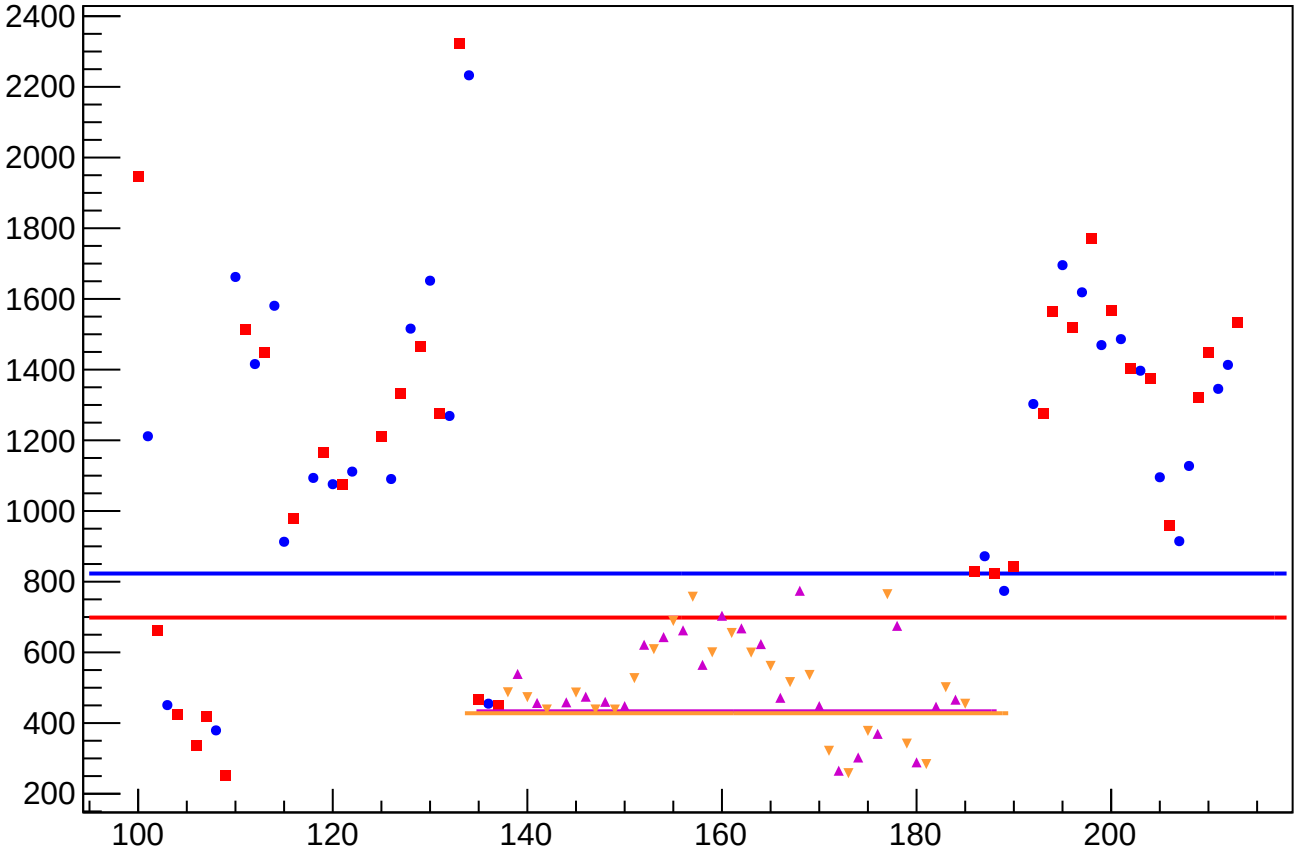
Right: -7.255+/-147.835 χ^2/NDF: 63.2/60

In: -58.286+/-96.545 χ^2/NDF:50.4/51

Out: 5.046+/-92.666 χ^2/NDF:72.0/55

All: -25.322+/-66.854 χ^2/NDF: 122.7/107

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 823.109+/-0.159 χ^2/NDF: 7526086.5/28

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

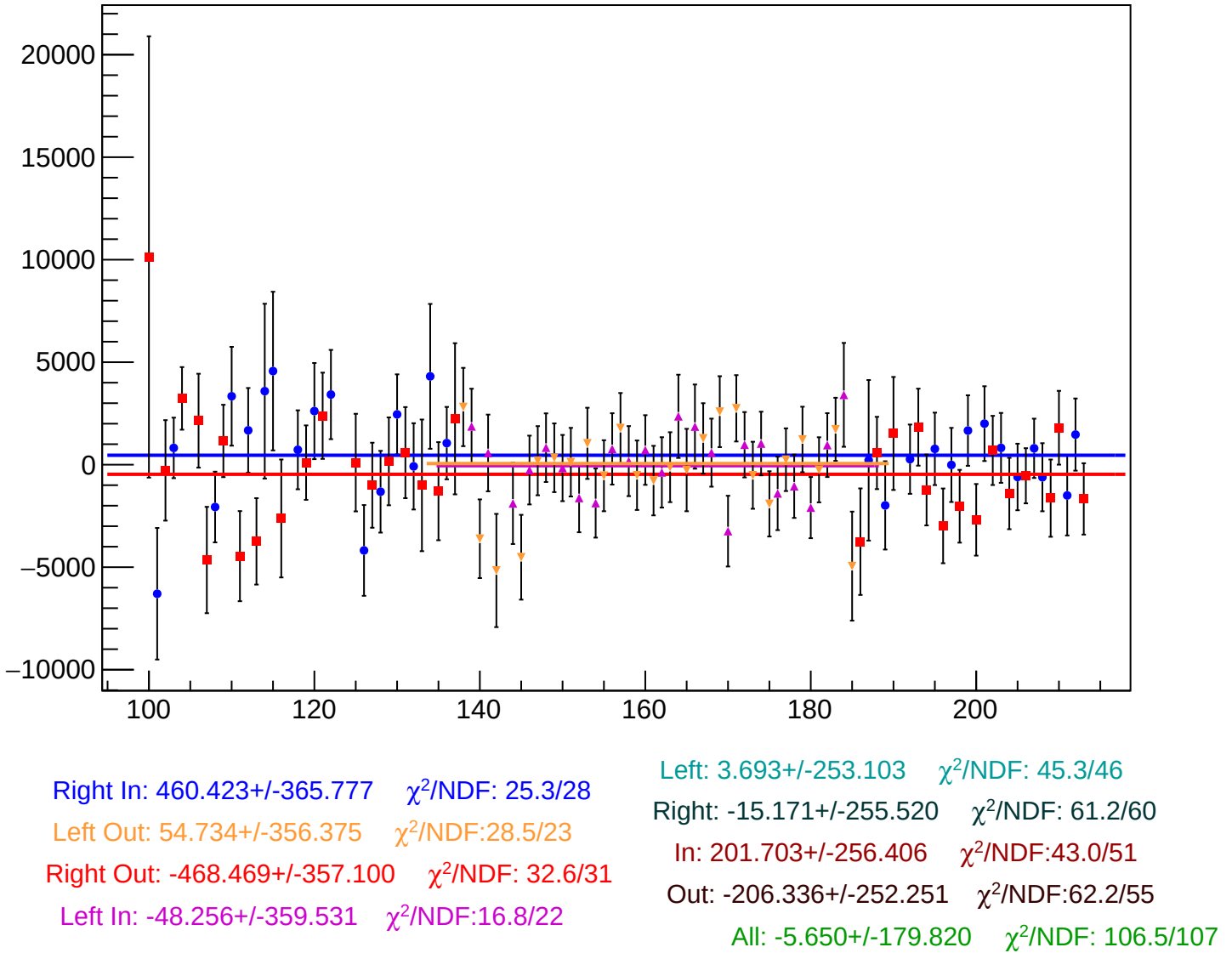
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

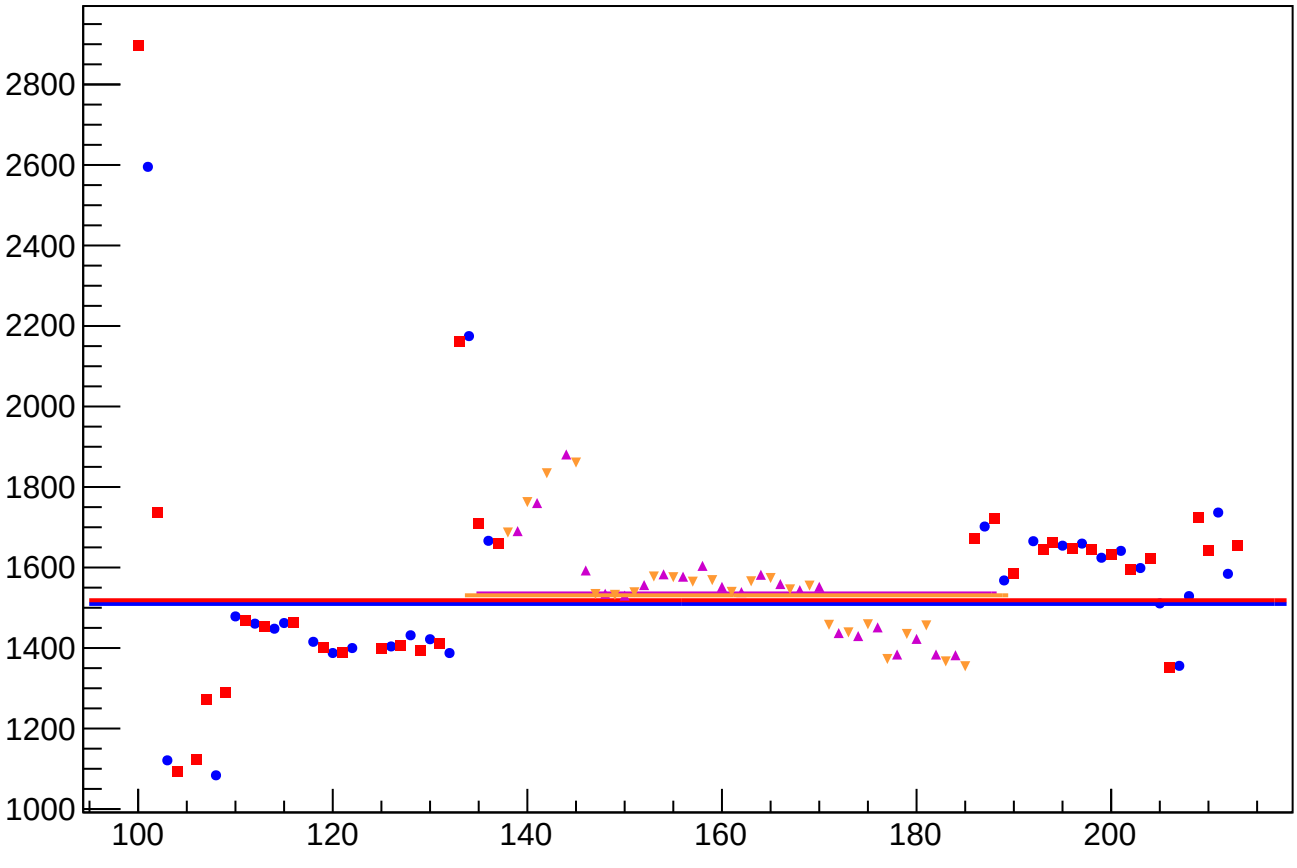
Right: 752.695+/-0.105 χ^2/NDF: 18573112.9/60

In: 505.594+/-0.068 χ^2/NDF:15700530.6/51

Out: 487.910+/-0.066 χ^2/NDF:16833521.4/55

All: 496.390+/-0.047 χ^2/NDF: 32568975.0/10


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: 460.423+/-365.777 χ²/NDF: 25.3/28
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: -15.171+/-255.520 χ²/NDF: 61.2/60
In: 201.703+/-256.406 χ²/NDF:43.0/51
Out: -206.336+/-252.251 χ²/NDF:62.2/55
All: -5.650+/-179.820 χ²/NDF: 106.5/107



Right In: 1509.573+/-0.259 χ^2/NDF: 741022.5/28

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

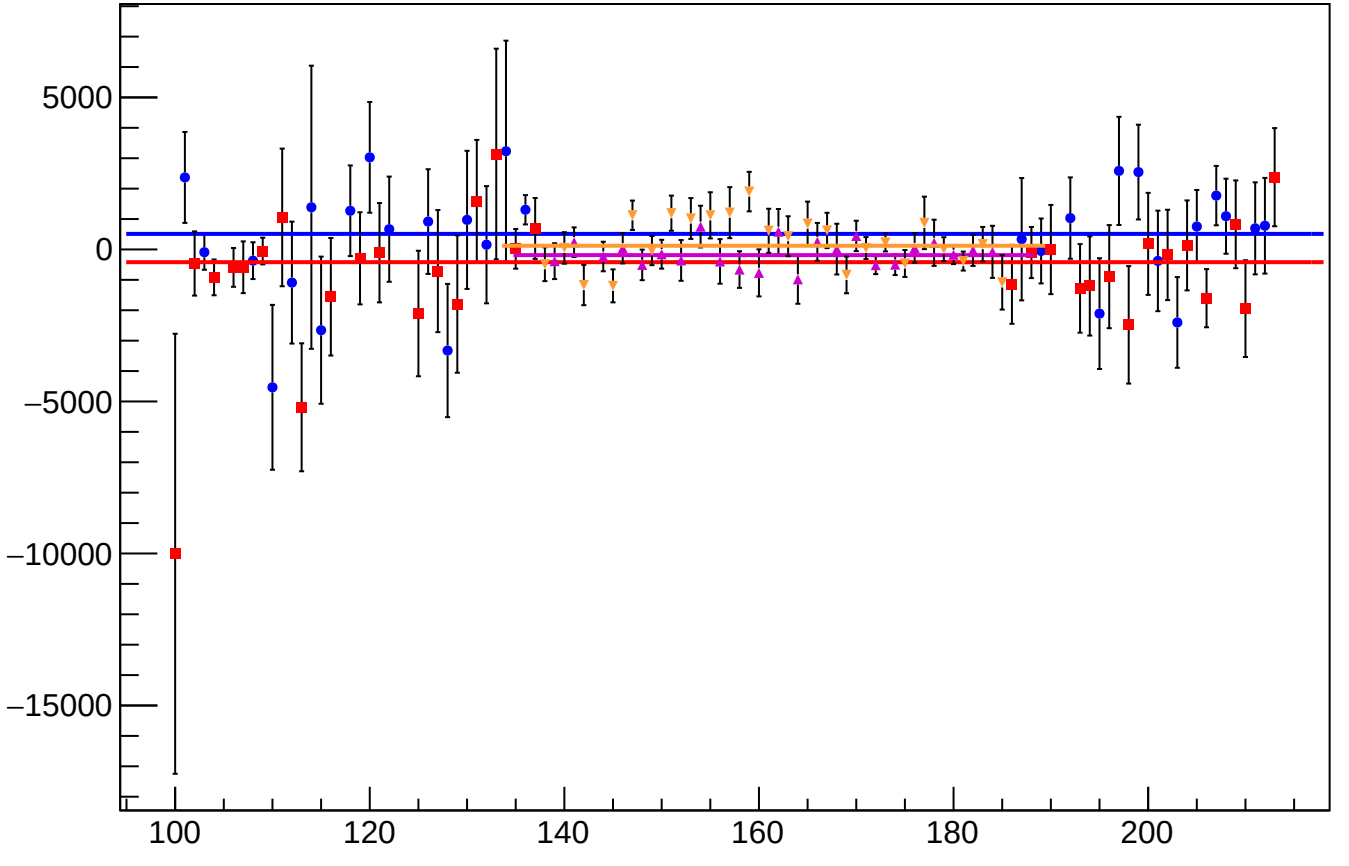
Right: 1514.239+/-0.181 χ^2/NDF: 1368086.5/60

In: 1522.785+/-0.181 χ^2/NDF:938586.1/51

Out: 1524.844+/-0.178 χ^2/NDF:831154.8/55

All: 1523.831+/-0.127 χ^2/NDF: 1769806.3/10

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 511.483+/-223.530 χ^2/NDF: 30.9/28

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

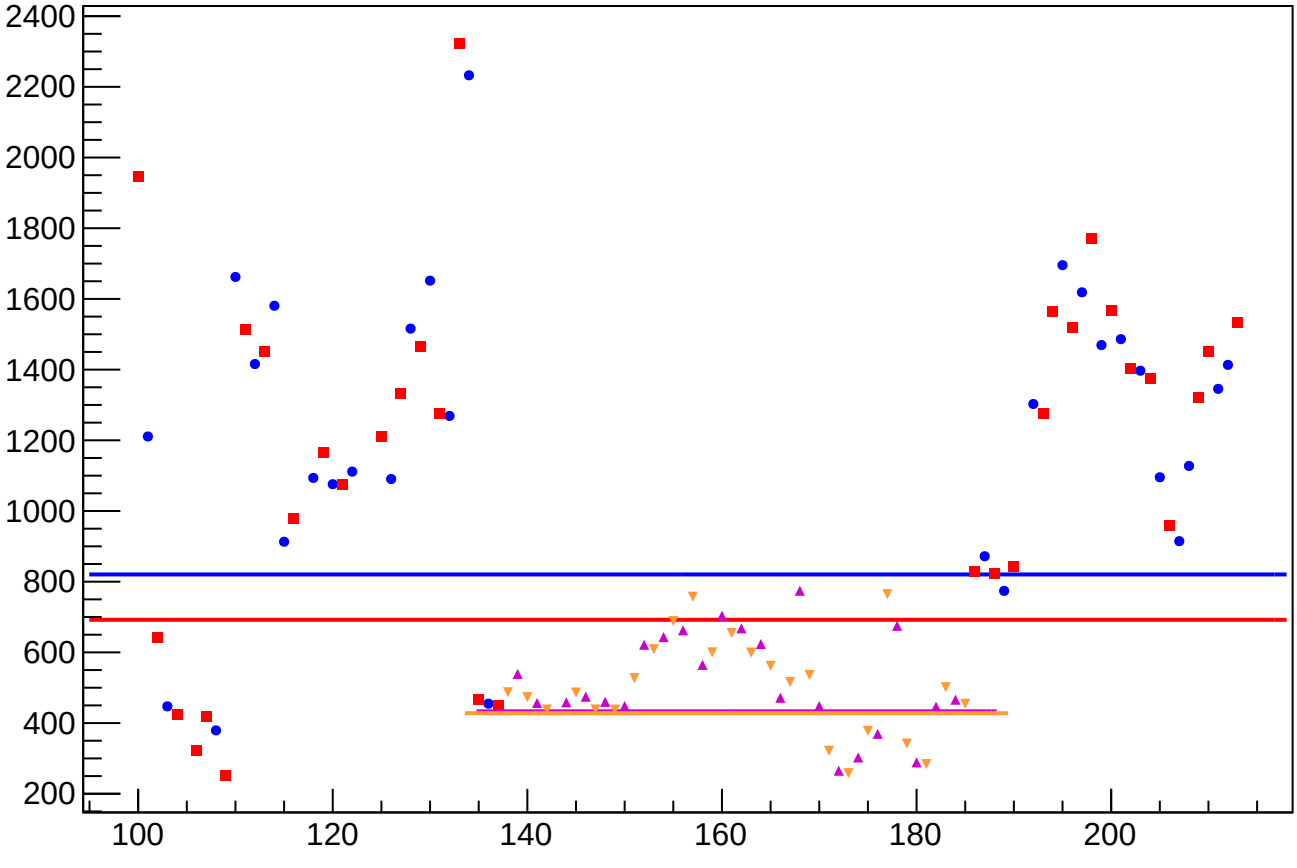
Right: -16.164+/-147.045 χ^2/NDF: 63.6/60

In: -56.866+/-96.494 χ^2/NDF:50.4/51

Out: 0.066+/-92.516 χ^2/NDF:72.5/55

All: -27.202+/-66.781 χ^2/NDF: 123.1/107

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 820.470+/-0.158 χ^2/NDF: 7572789.9/28

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

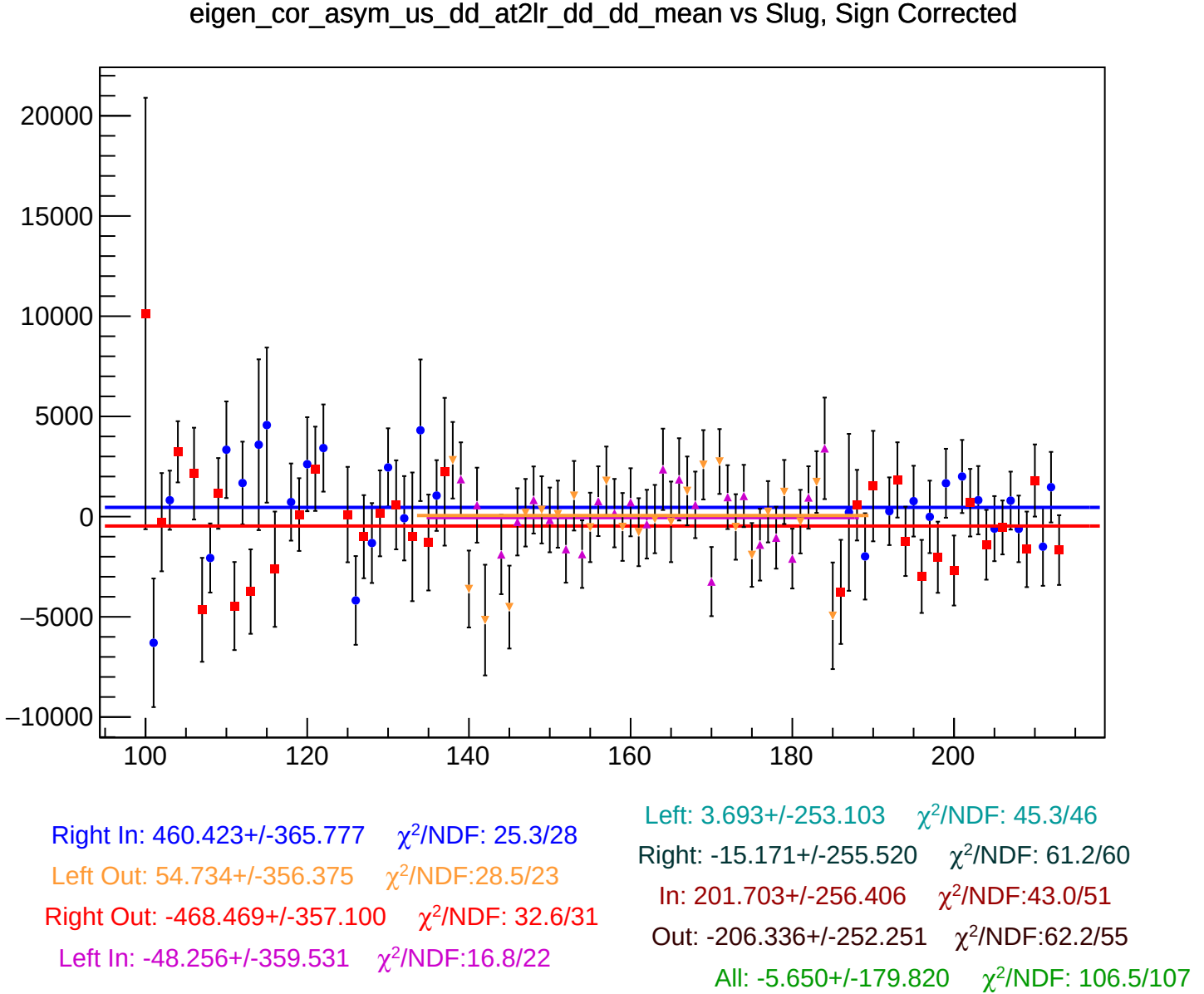
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

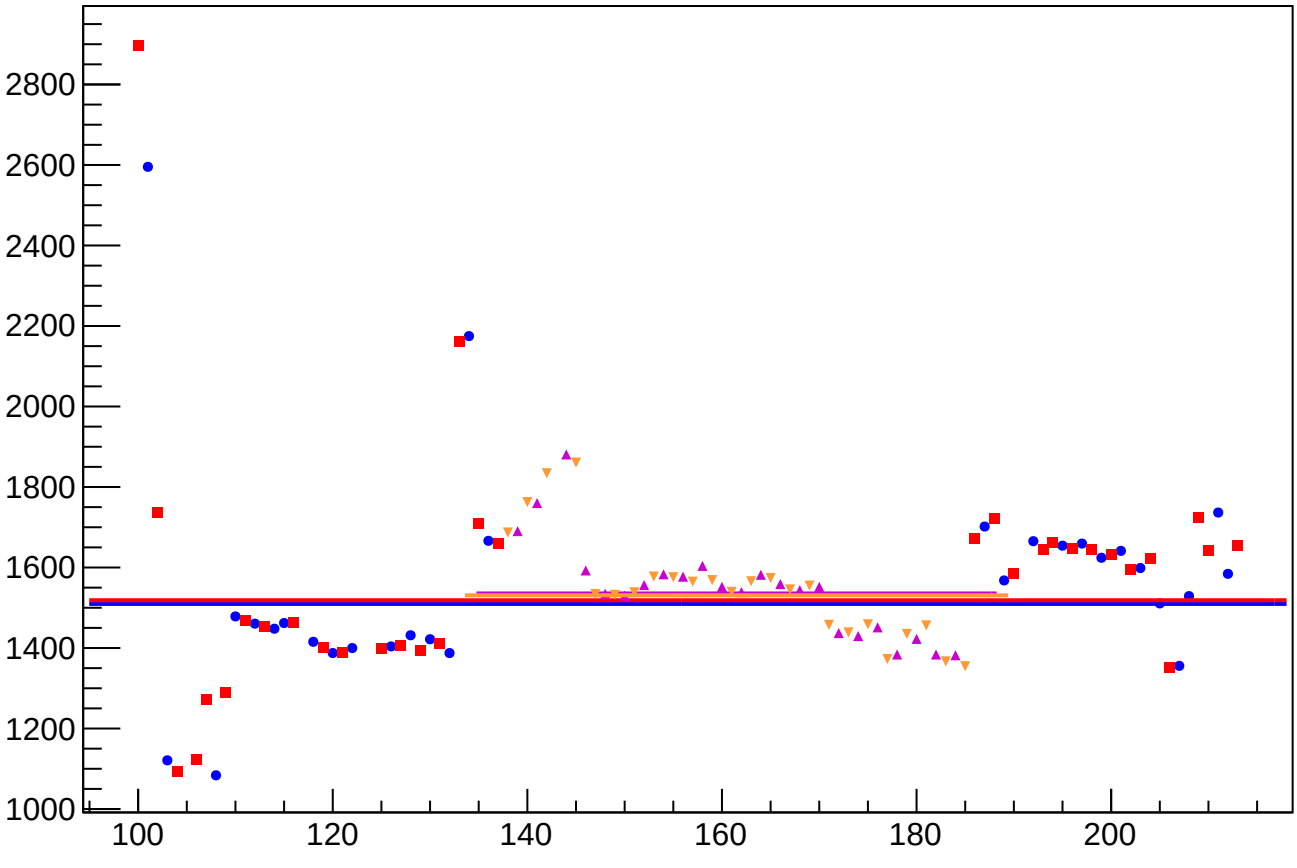
Right: 747.690+/-0.104 χ^2/NDF: 18773329.6/60

In: 505.438+/-0.068 χ^2/NDF:15703057.3/51

Out: 487.175+/-0.065 χ^2/NDF:16858575.1/55

All: 495.922+/-0.047 χ^2/NDF: 32598960.0/10


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: 460.423+/-365.777 χ²/NDF: 25.3/28
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: -15.171+/-255.520 χ²/NDF: 61.2/60
In: 201.703+/-256.406 χ²/NDF:43.0/51
Out: -206.336+/-252.251 χ²/NDF:62.2/55
All: -5.650+/-179.820 χ²/NDF: 106.5/107



Right In: 1509.573+/-0.259 χ^2/NDF: 741022.5/28

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

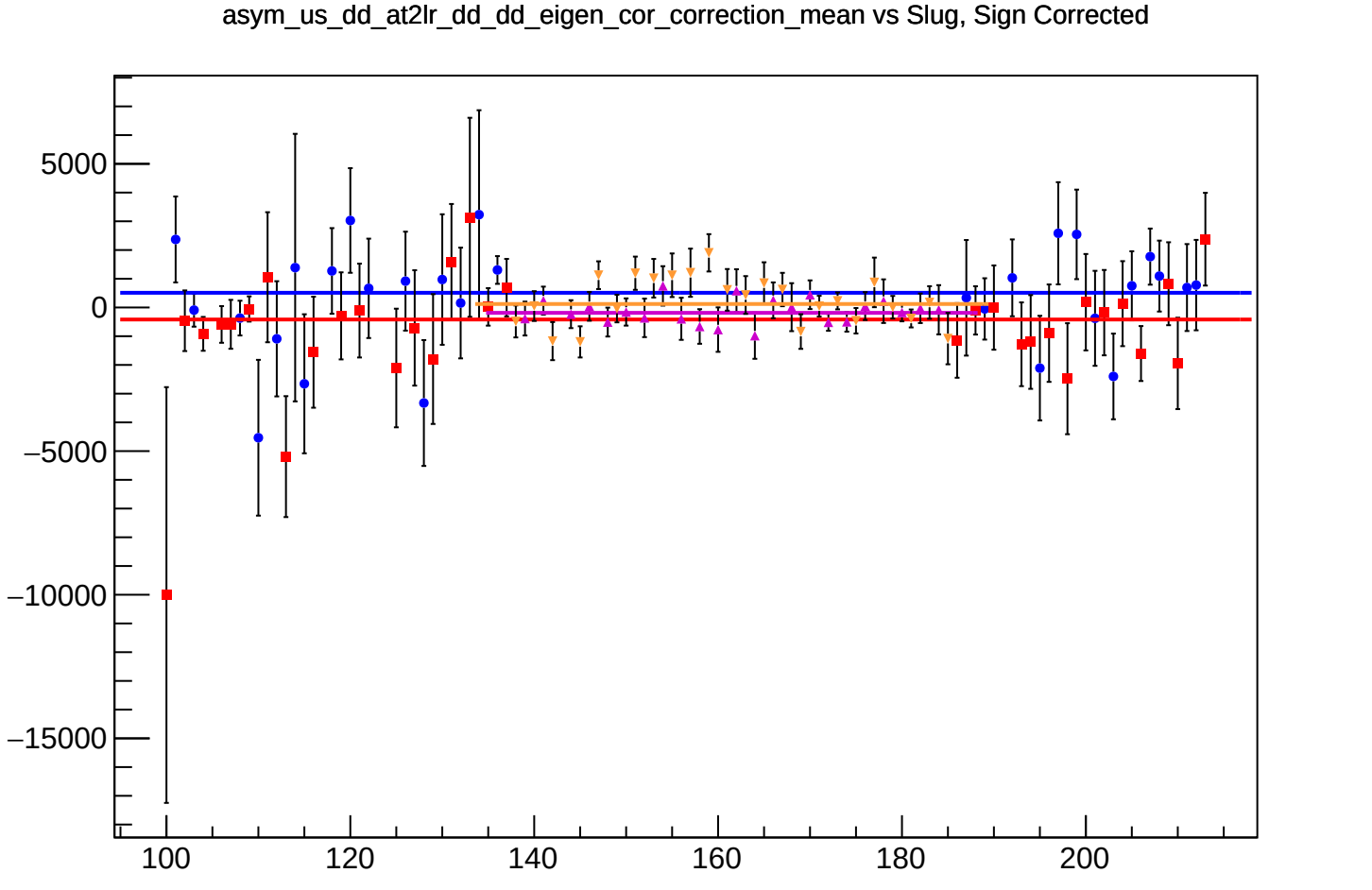
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1514.239+/-0.181 χ^2/NDF: 1368086.5/60

In: 1522.785+/-0.181 χ^2/NDF:938586.1/51

Out: 1524.844+/-0.178 χ^2/NDF:831154.8/55

All: 1523.831+/-0.127 χ^2/NDF: 1769806.3/10



Right In: 511.483+/-223.530 χ^2/NDF: 30.9/28

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

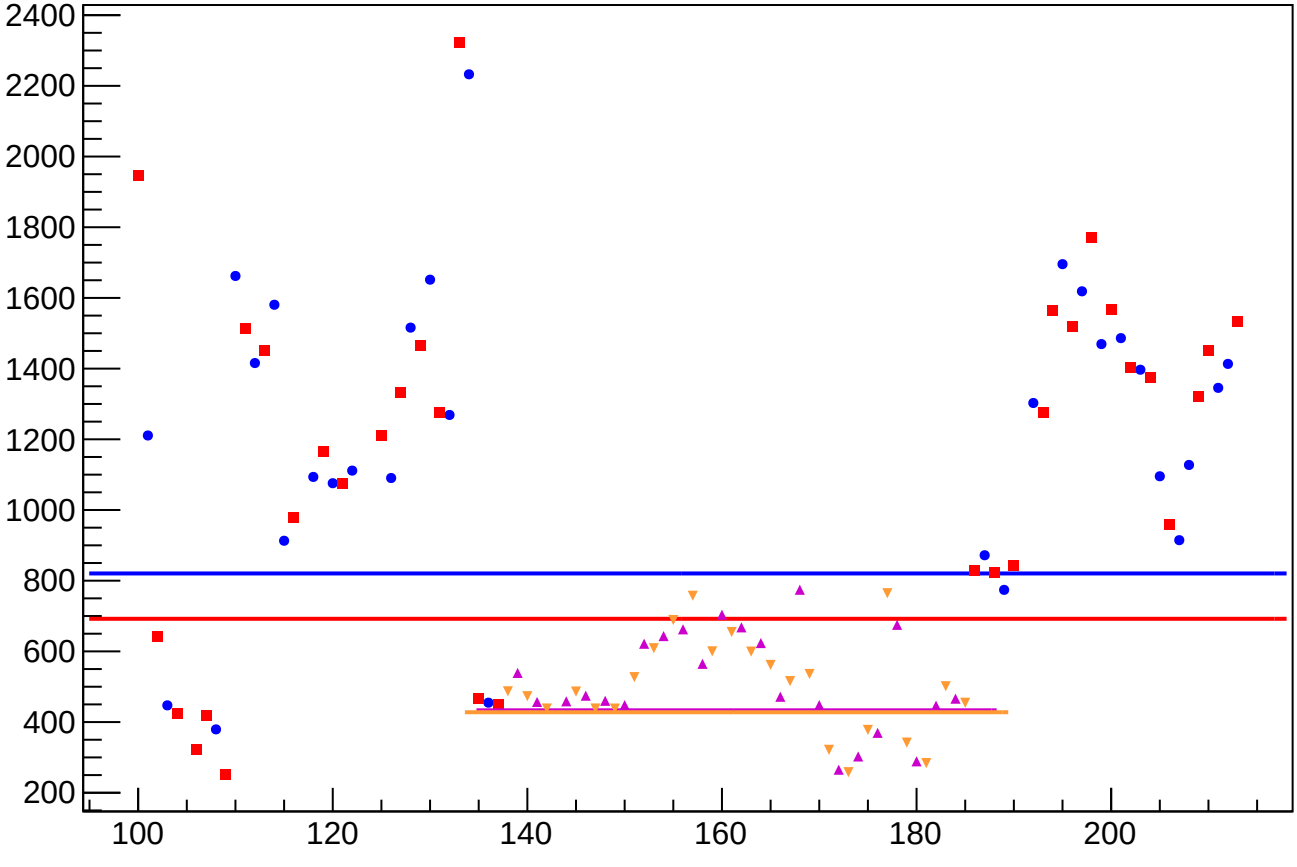
Right: -16.164+/-147.045 χ^2/NDF: 63.6/60

In: -56.866+/-96.494 χ^2/NDF:50.4/51

Out: 0.066+/-92.516 χ^2/NDF:72.5/55

All: -27.202+/-66.781 χ^2/NDF: 123.1/107

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 820.470+/-0.158 χ^2/NDF: 7572789.9/28

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

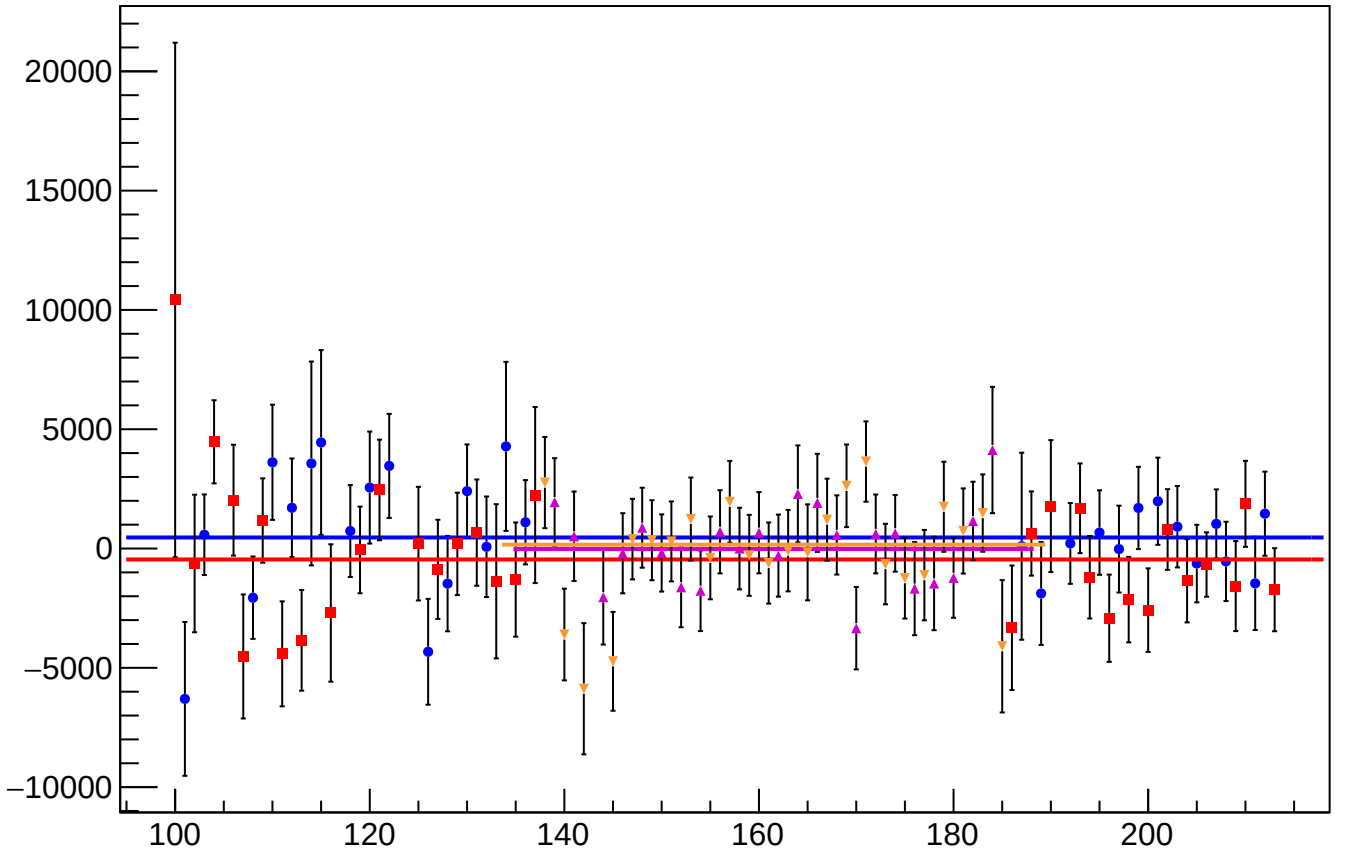
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 747.690+/-0.104 χ^2/NDF: 18773329.6/60

In: 505.438+/-0.068 χ^2/NDF:15703057.3/51

Out: 487.175+/-0.065 χ^2/NDF:16858575.1/55

All: 495.922+/-0.047 χ^2/NDF: 32598960.0/10



Right In: 463.497+/-369.046 χ^2/NDF: 25.7/28

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -458.436+/-361.265 χ^2/NDF: 34.4/31

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

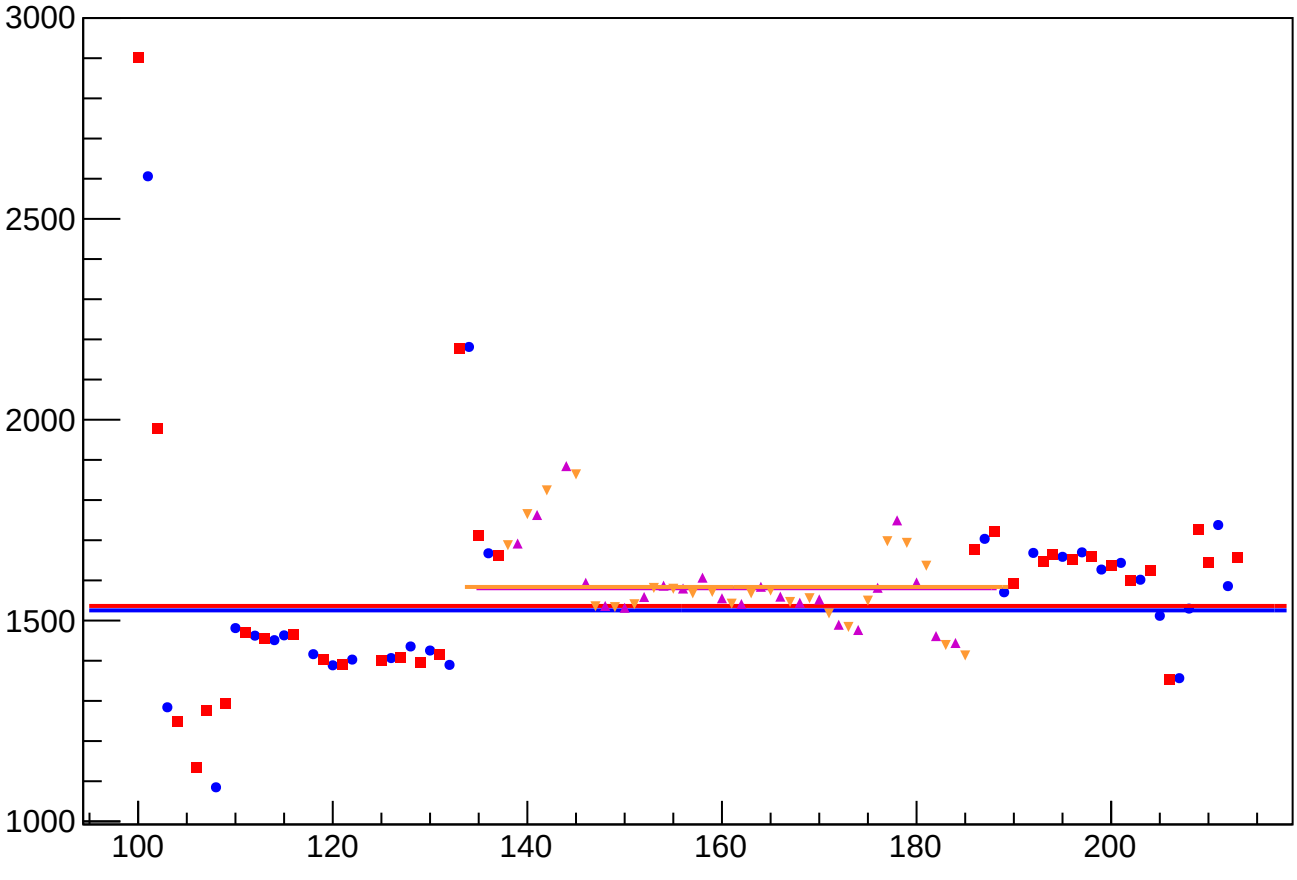
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: -7.291+/-258.160 χ^2/NDF: 63.2/60

In: 222.103+/-261.214 χ^2/NDF:42.5/51

Out: -154.456+/-257.927 χ^2/NDF:65.7/55

All: 31.439+/-183.533 χ^2/NDF: 109.3/107



Right In: 1525.355+/-0.261 χ^2/NDF: 639815.3/28

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

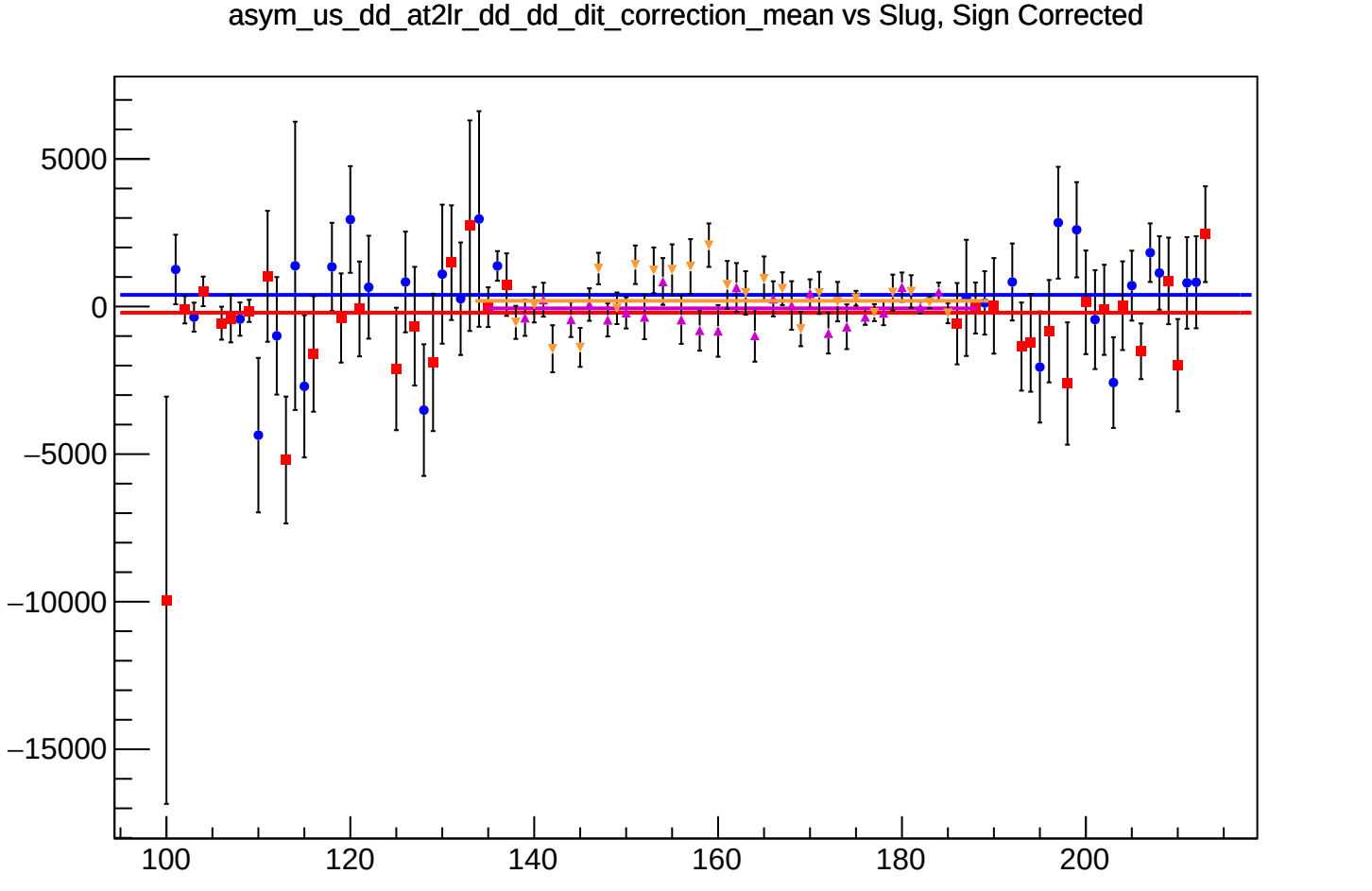
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1530.996+/-0.183 χ^2/NDF: 1191474.5/60

In: 1552.855+/-0.185 χ^2/NDF:787815.6/51

Out: 1559.577+/-0.182 χ^2/NDF:701116.7/55

All: 1556.258+/-0.130 χ^2/NDF: 1489602.8/10



Right In: 394.089+/-216.337 χ^2/NDF: 32.5/28

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

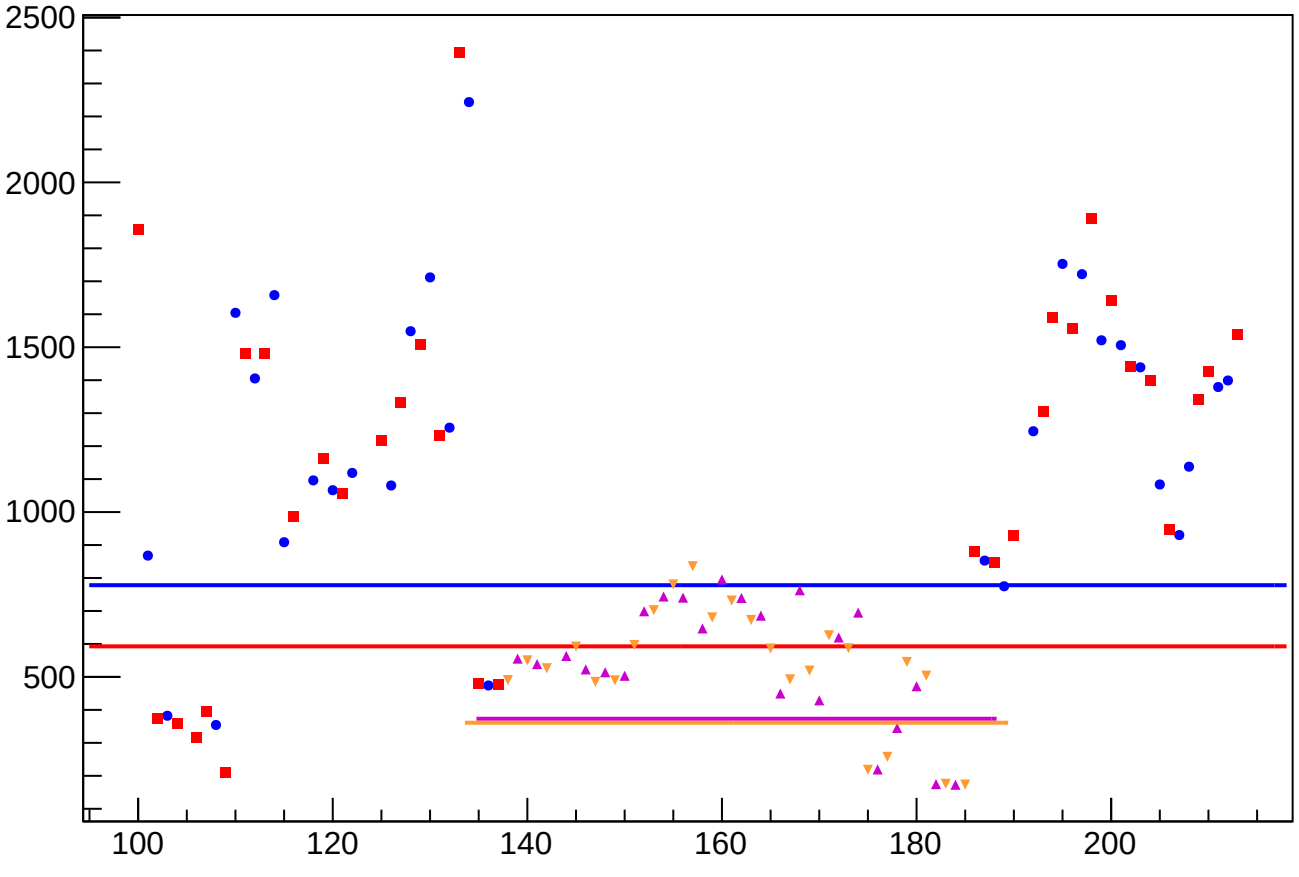
Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

Right: 27.337+/-135.314 χ^2/NDF: 60.8/60

In: 17.770+/-90.560 χ^2/NDF:53.1/51

Out: 99.258+/-83.919 χ^2/NDF:67.8/55

All: 61.611+/-61.554 χ^2/NDF: 121.4/107



Right In: 778.221+/-0.153 χ^2/NDF: 8347656.2/28

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

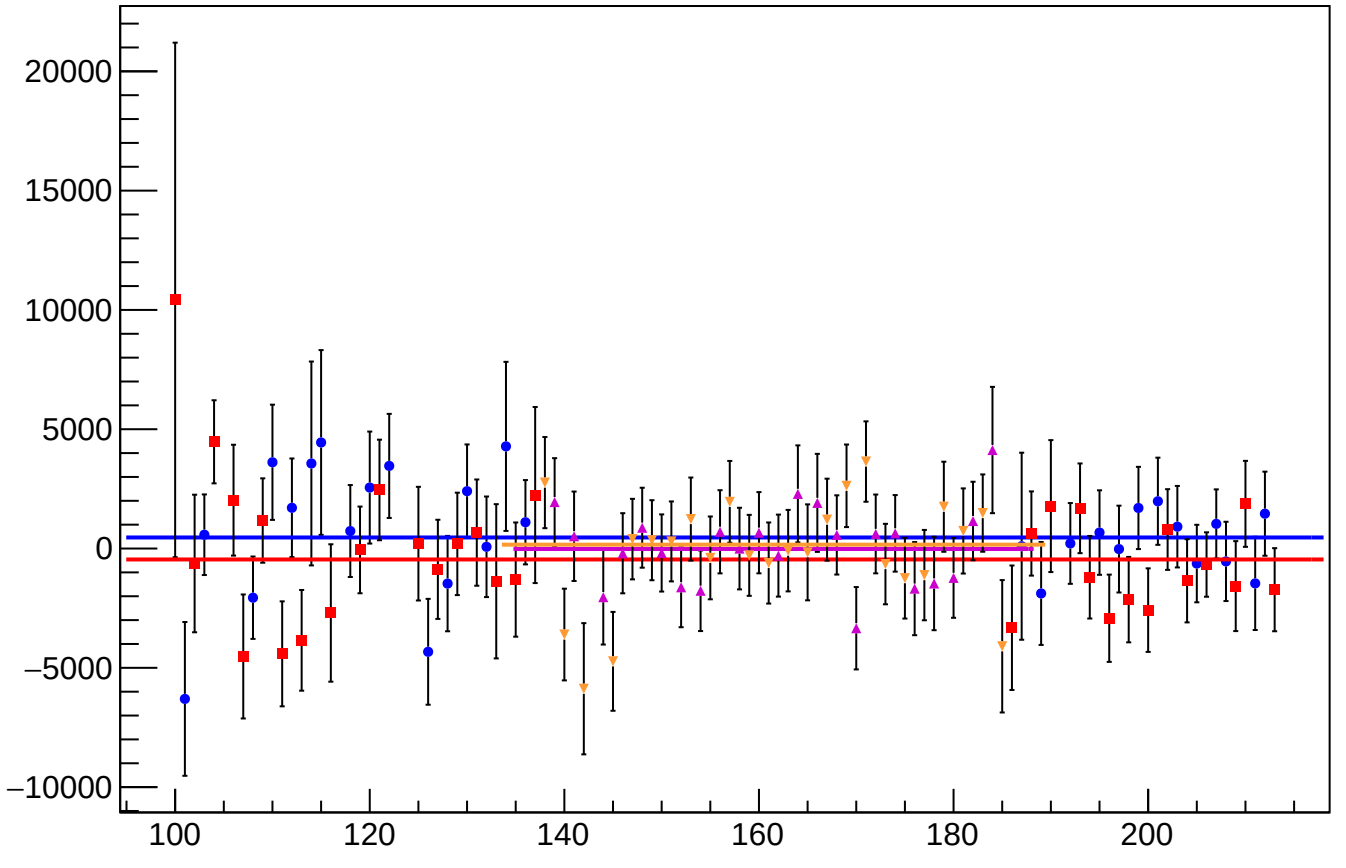
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 665.304+/-0.096 χ^2/NDF: 22492563.4/60

In: 444.123+/-0.064 χ^2/NDF:22338441.0/51

Out: 415.338+/-0.059 χ^2/NDF:24165582.7/55

All: 428.637+/-0.044 χ^2/NDF: 46612733.5/10



Right In: 463.492+/-369.046 χ^2/NDF: 25.7/28

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -458.434+/-361.265 χ^2/NDF: 34.4/31

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

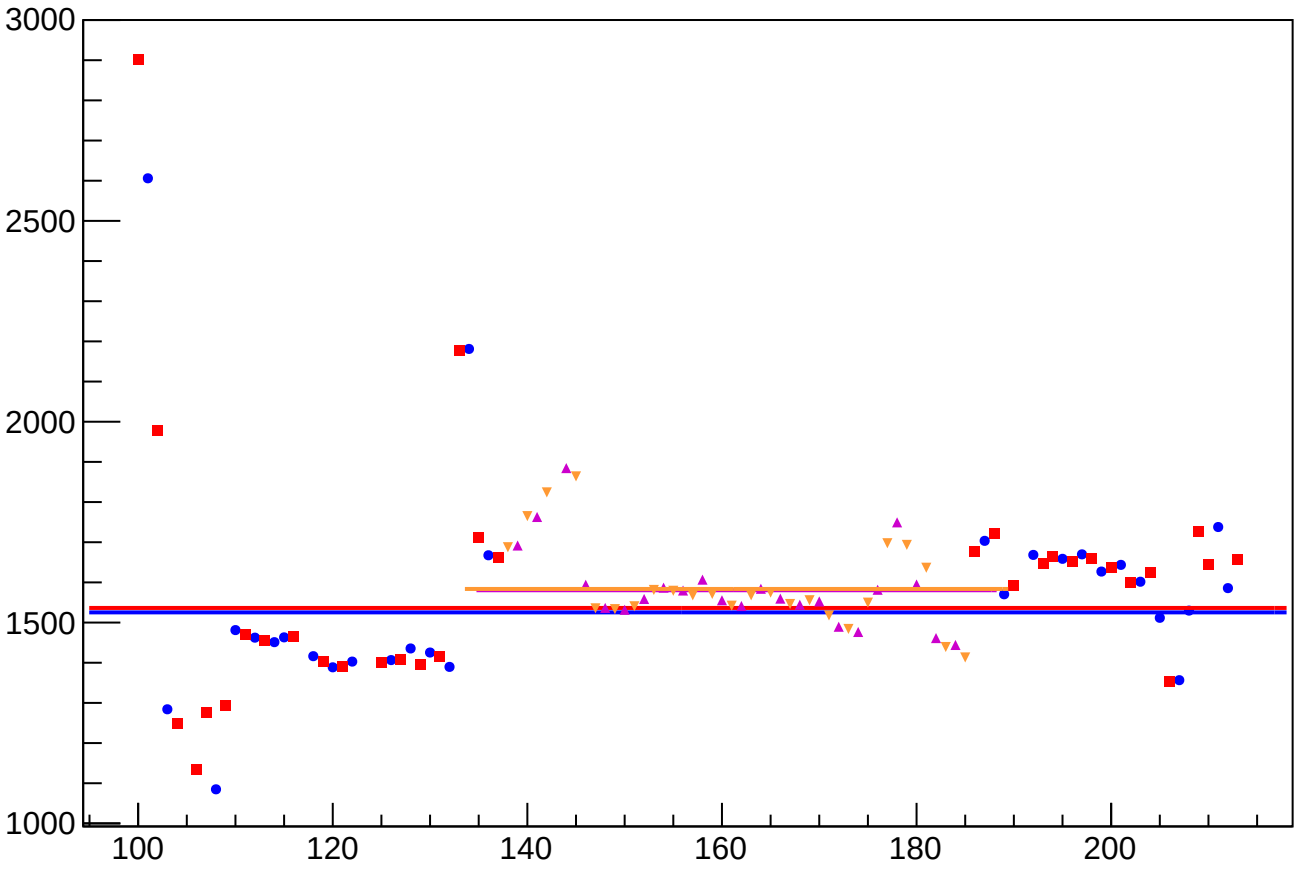
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: -7.292+/-258.160 χ^2/NDF: 63.2/60

In: 222.102+/-261.214 χ^2/NDF:42.5/51

Out: -154.456+/-257.927 χ^2/NDF:65.7/55

All: 31.438+/-183.533 χ^2/NDF: 109.3/107



Right In: 1525.355+/-0.261 χ^2/NDF: 639814.9/28

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

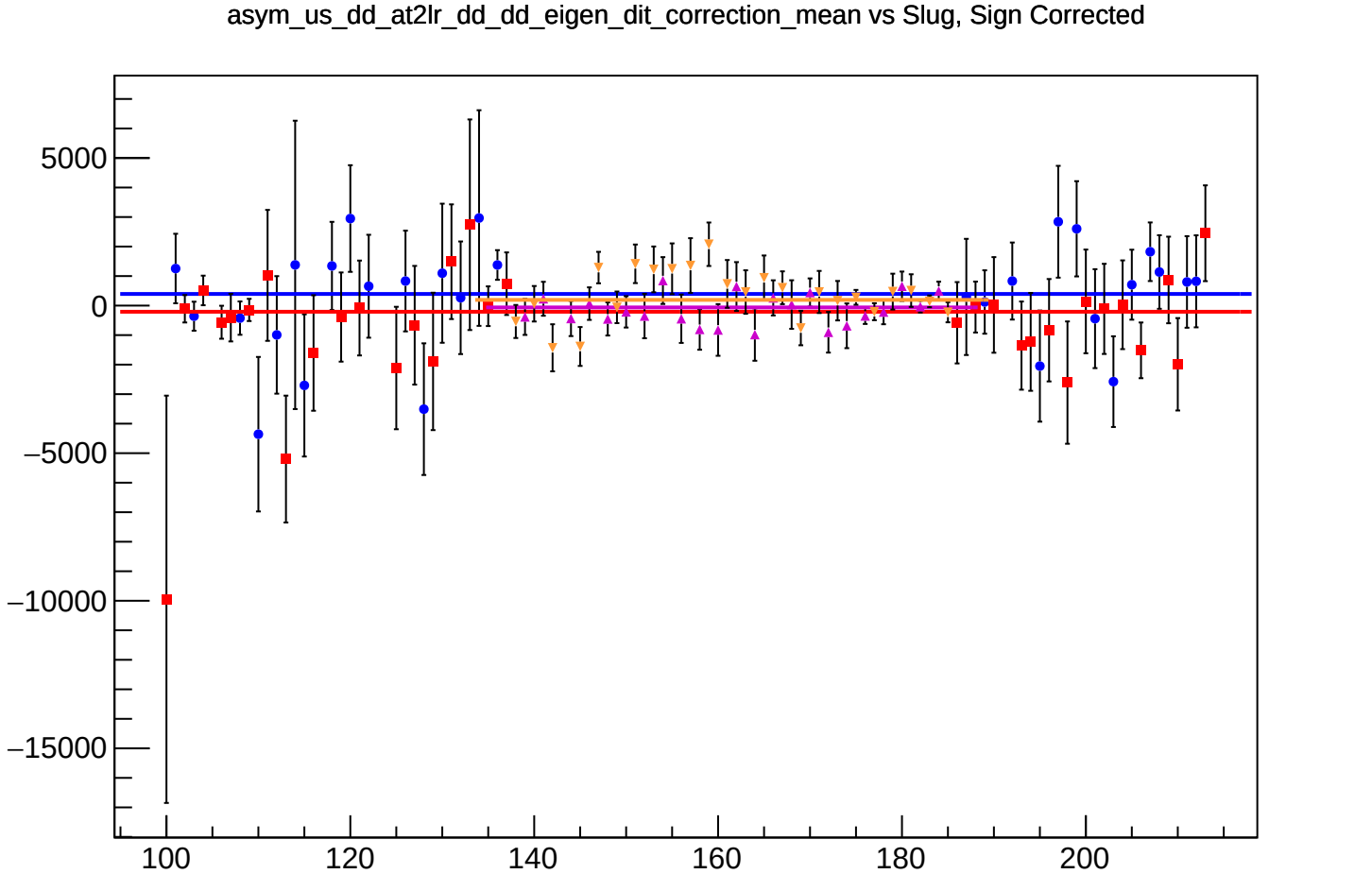
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1530.995+/-0.183 χ^2/NDF: 1191474.0/60

In: 1552.855+/-0.185 χ^2/NDF:787814.9/51

Out: 1559.577+/-0.182 χ^2/NDF:701116.7/55

All: 1556.258+/-0.130 χ^2/NDF: 1489602.2/10



Right In: 394.085+/-216.336 χ^2/NDF: 32.5/28

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -208.351+/-173.427 χ^2/NDF: 23.7/31

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

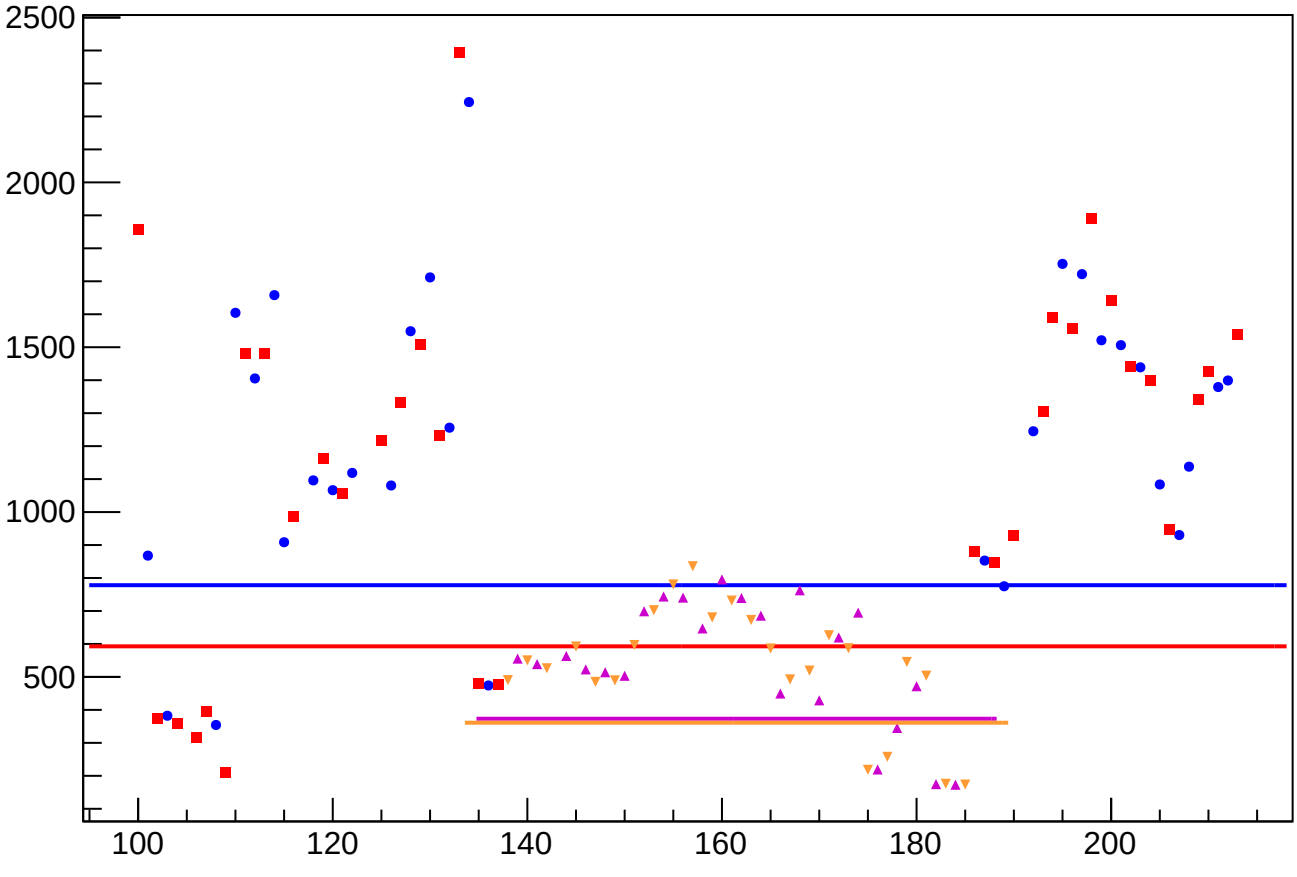
Right: 27.339+/-135.314 χ^2/NDF: 60.8/60

In: 17.773+/-90.560 χ^2/NDF:53.1/51

Out: 99.262+/-83.920 χ^2/NDF:67.8/55

All: 61.615+/-61.554 χ^2/NDF: 121.4/107

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 778.219+/-0.153 χ^2/NDF: 8347676.6/28

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

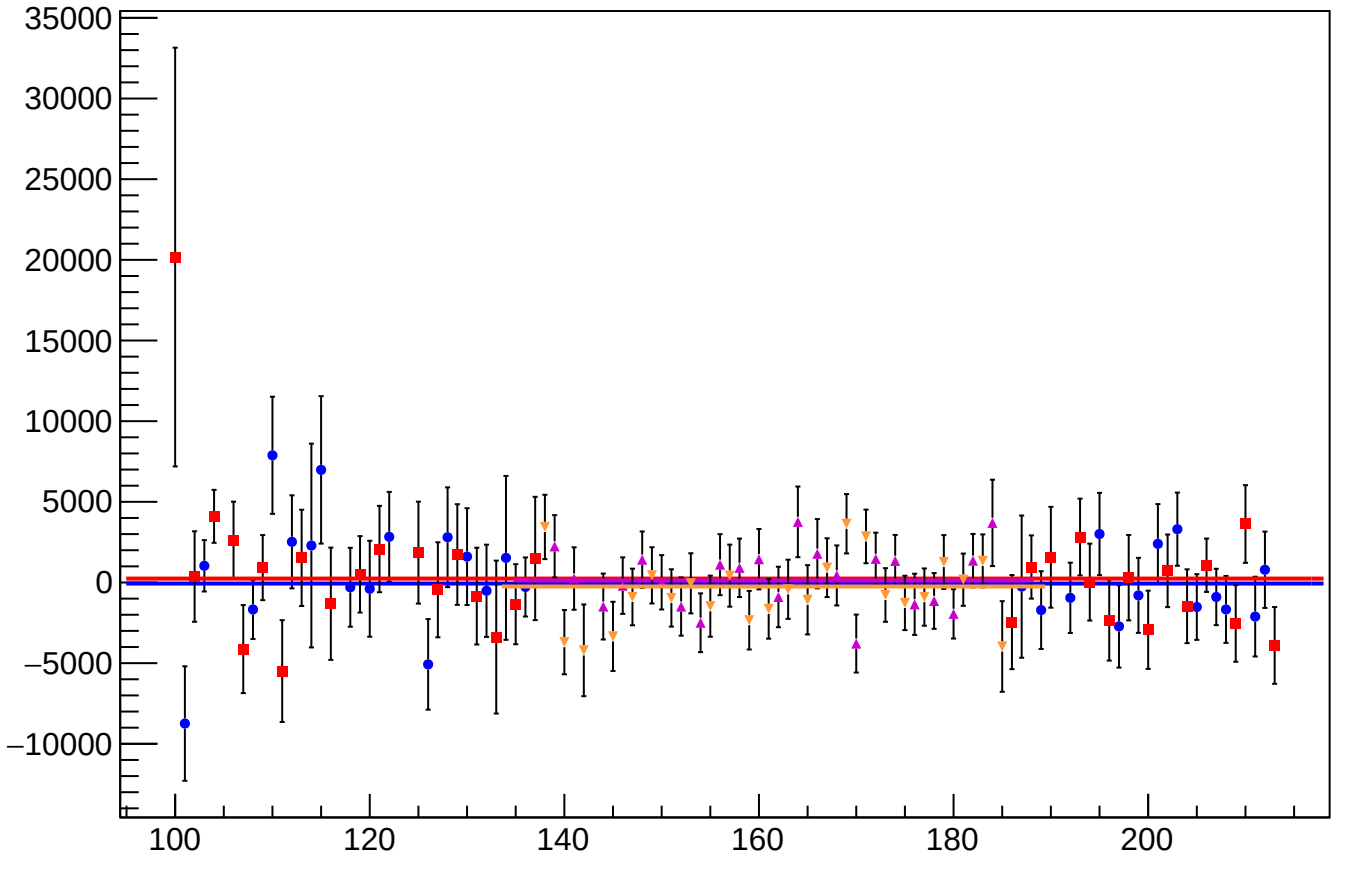
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 665.308+/-0.096 χ^2/NDF: 22492300.4/60

In: 444.127+/-0.064 χ^2/NDF:22338014.8/51

Out: 415.342+/-0.059 χ^2/NDF:24165272.5/55

All: 428.641+/-0.044 χ^2/NDF: 46611998.5/10



Right In: -65.329+/-462.158 χ^2/NDF: 29.5/28

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

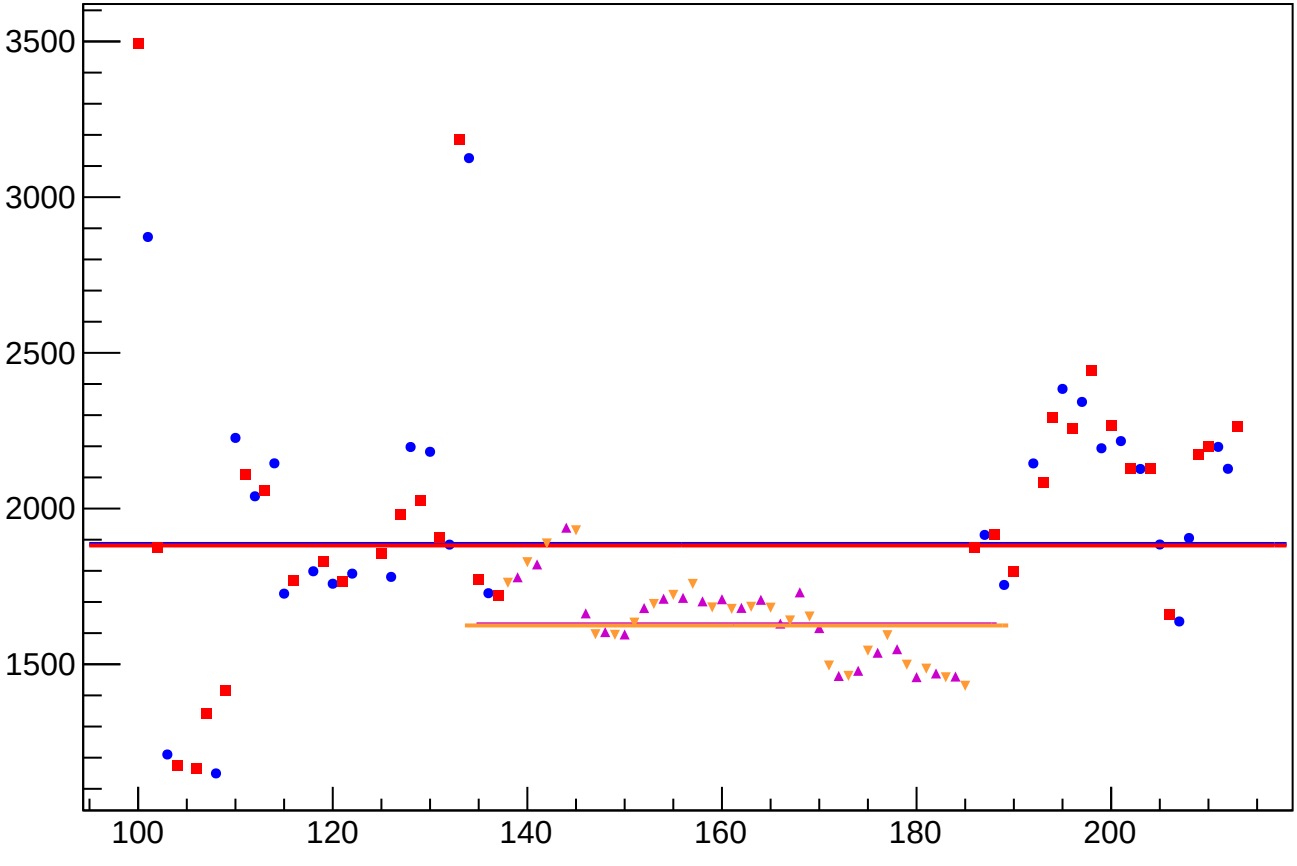
Right: 93.286+/-321.981 χ^2/NDF: 59.6/60

In: 48.577+/-294.121 χ^2/NDF:50.9/51

Out: -43.642+/-289.226 χ^2/NDF:56.6/55

All: 1.694+/-206.222 χ^2/NDF: 107.5/107

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1886.329+/-0.327 χ^2/NDF: 1414524.5/28

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

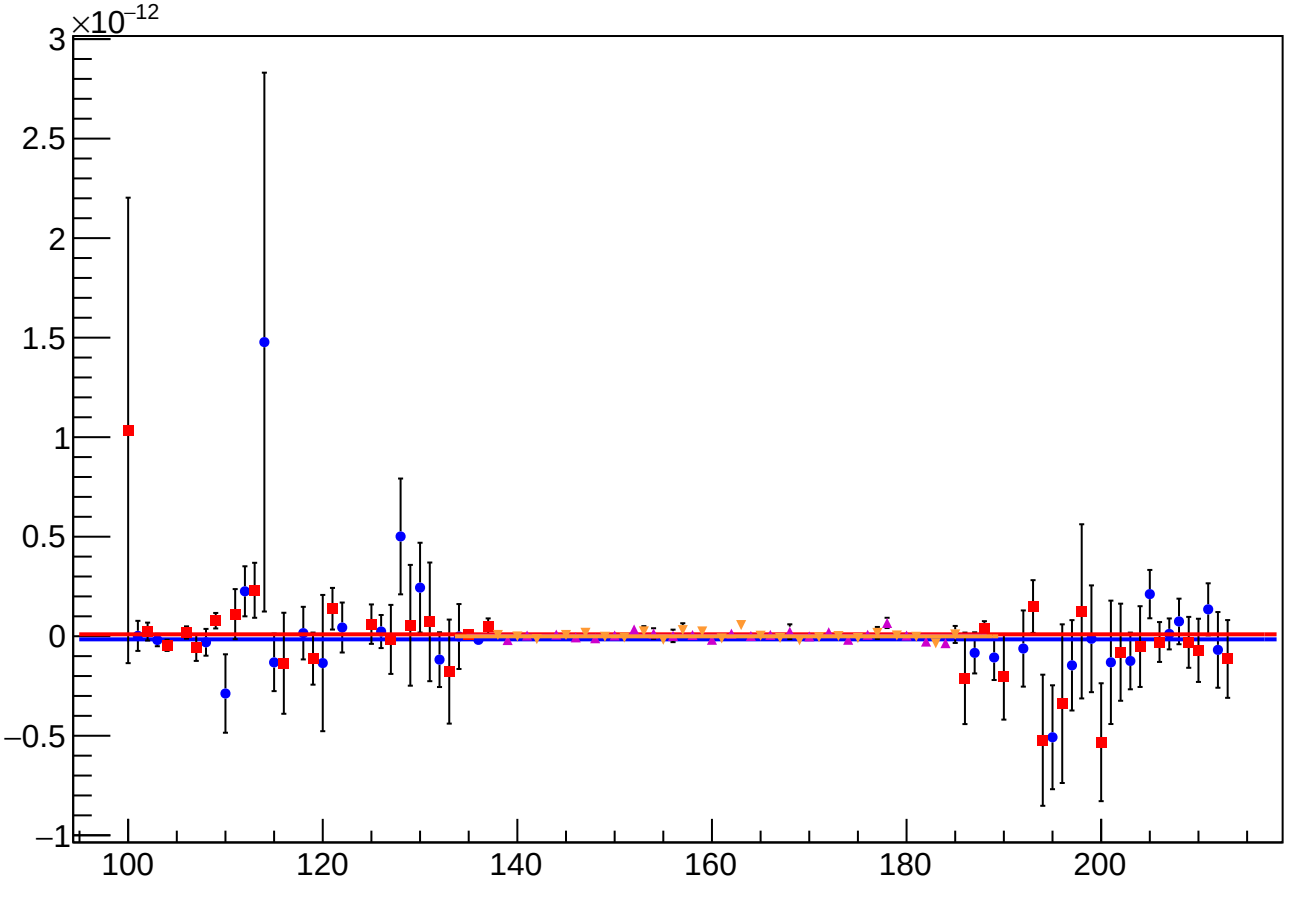
Right: 1883.814+/-0.228 χ^2/NDF: 2832767.6/60

In: 1732.759+/-0.208 χ^2/NDF:1990563.6/51

Out: 1731.261+/-0.205 χ^2/NDF:2008315.6/55

All: 1731.997+/-0.146 χ^2/NDF: 3998905.5/10

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/28

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

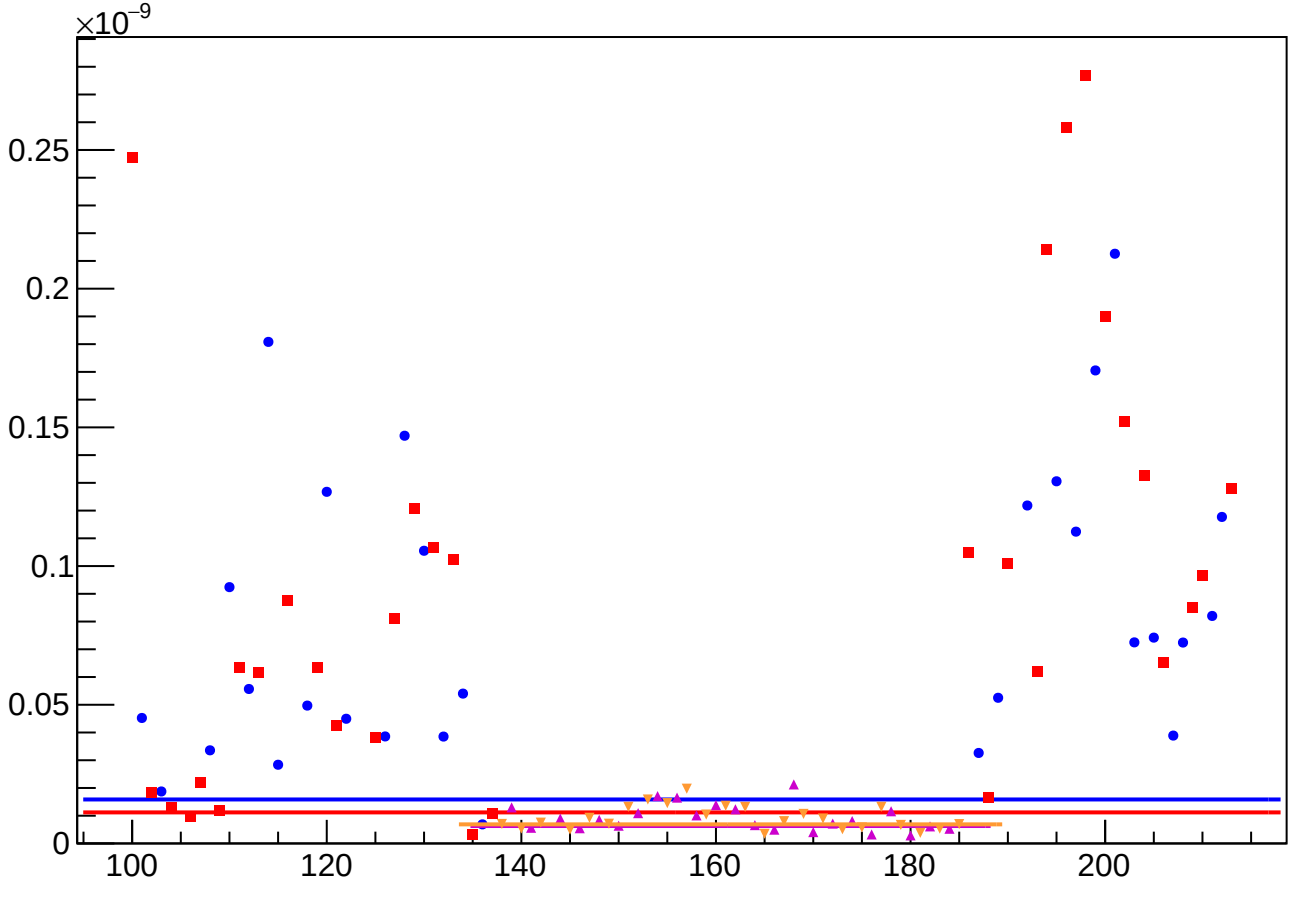
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 56.5/60

In: 0.000+/-0.000 χ^2/NDF:51.8/51

Out: 0.000+/-0.000 χ^2/NDF:51.9/55

All: 0.000+/-0.000 χ^2/NDF: 103.7/107



Right In: 0.000+/-0.000 χ^2/NDF: 9331163.7/28

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11670839.3/31

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

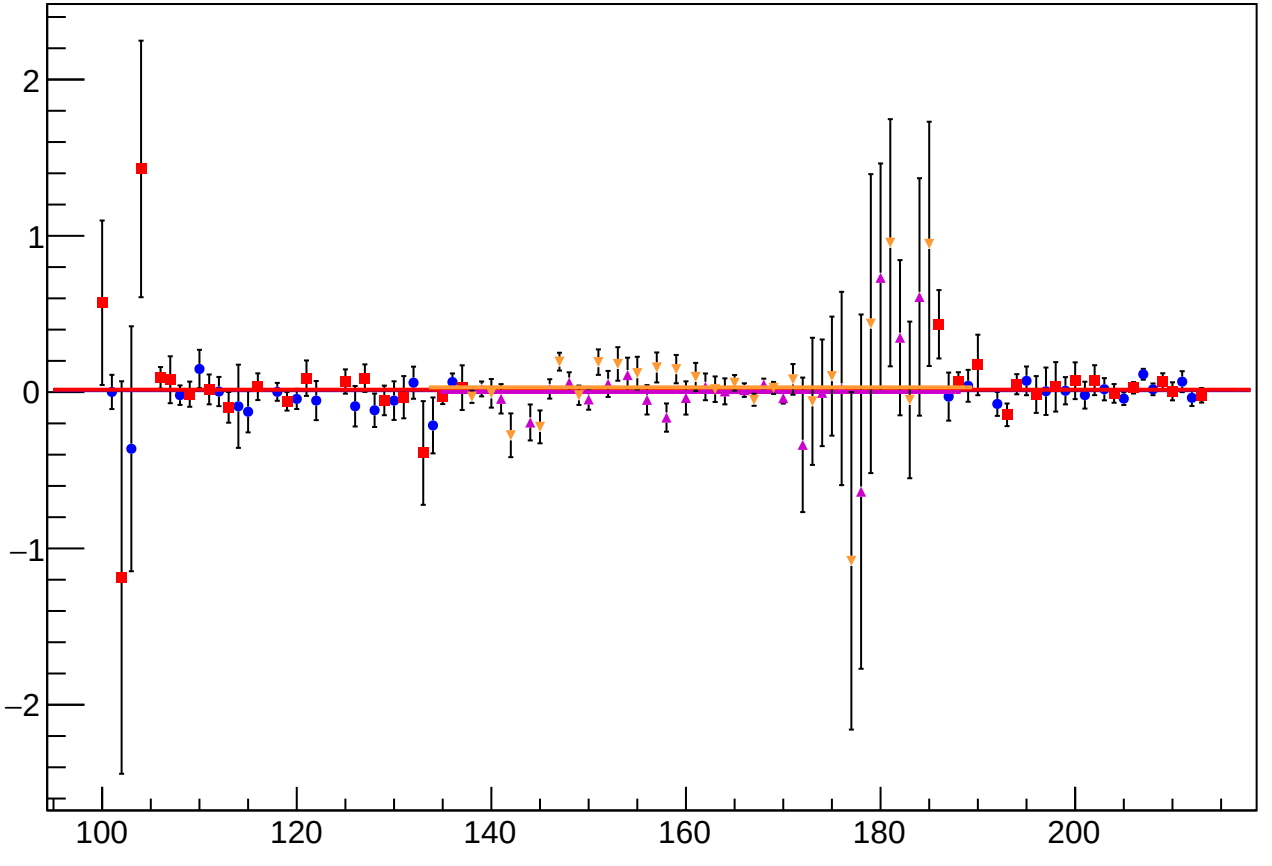
Right: 0.000+/-0.000 χ^2/NDF: 21261869.4/60

In: 0.000+/-0.000 χ^2/NDF:13955987.3/51

Out: 0.000+/-0.000 χ^2/NDF:14402709.9/55

All: 0.000+/-0.000 χ^2/NDF: 28378515.3/107

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 23.1/28

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

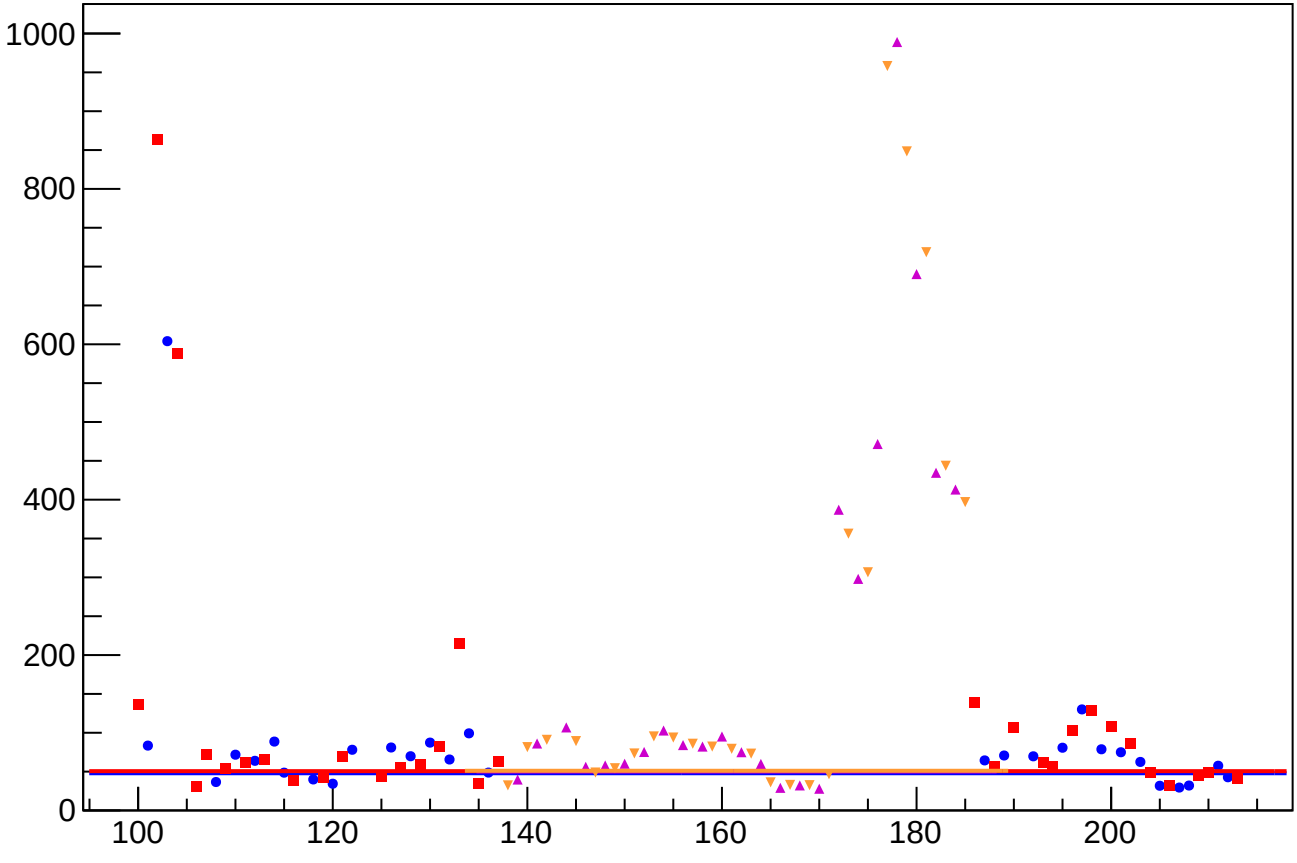
Right: 0.014+/-0.010 χ^2/NDF: 49.9/60

In: 0.007+/-0.010 χ^2/NDF:39.4/51

Out: 0.022+/-0.010 χ^2/NDF:68.9/55

All: 0.015+/-0.007 χ^2/NDF: 109.4/107

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.890+/-0.010 χ^2/NDF: 5303968.9/28

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

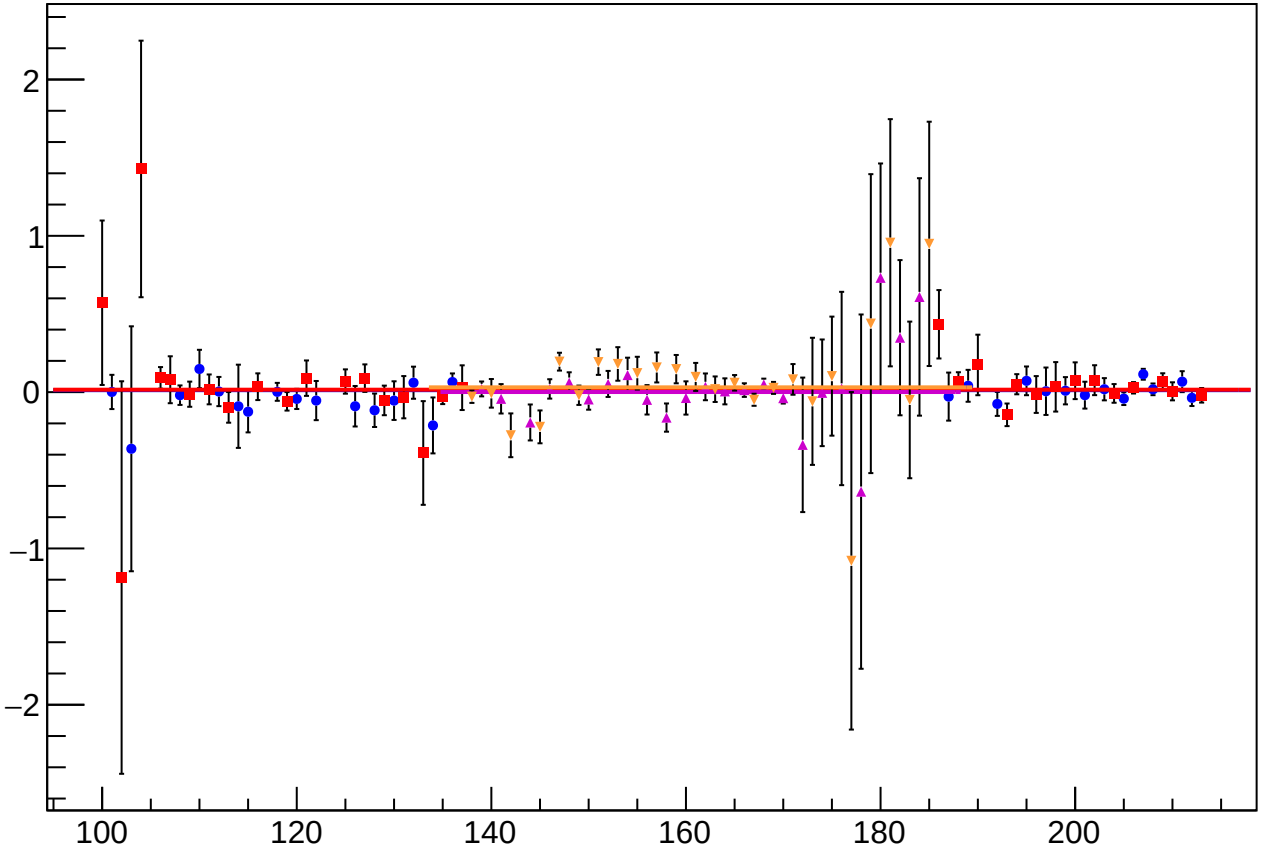
Right: 49.204+/-0.007 χ^2/NDF: 11182230.9/60

In: 48.921+/-0.007 χ^2/NDF:17526649.0/51

Out: 50.809+/-0.007 χ^2/NDF:17576659.2/55

All: 49.845+/-0.005 χ^2/NDF: 35137618.3/107

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 23.1/28

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

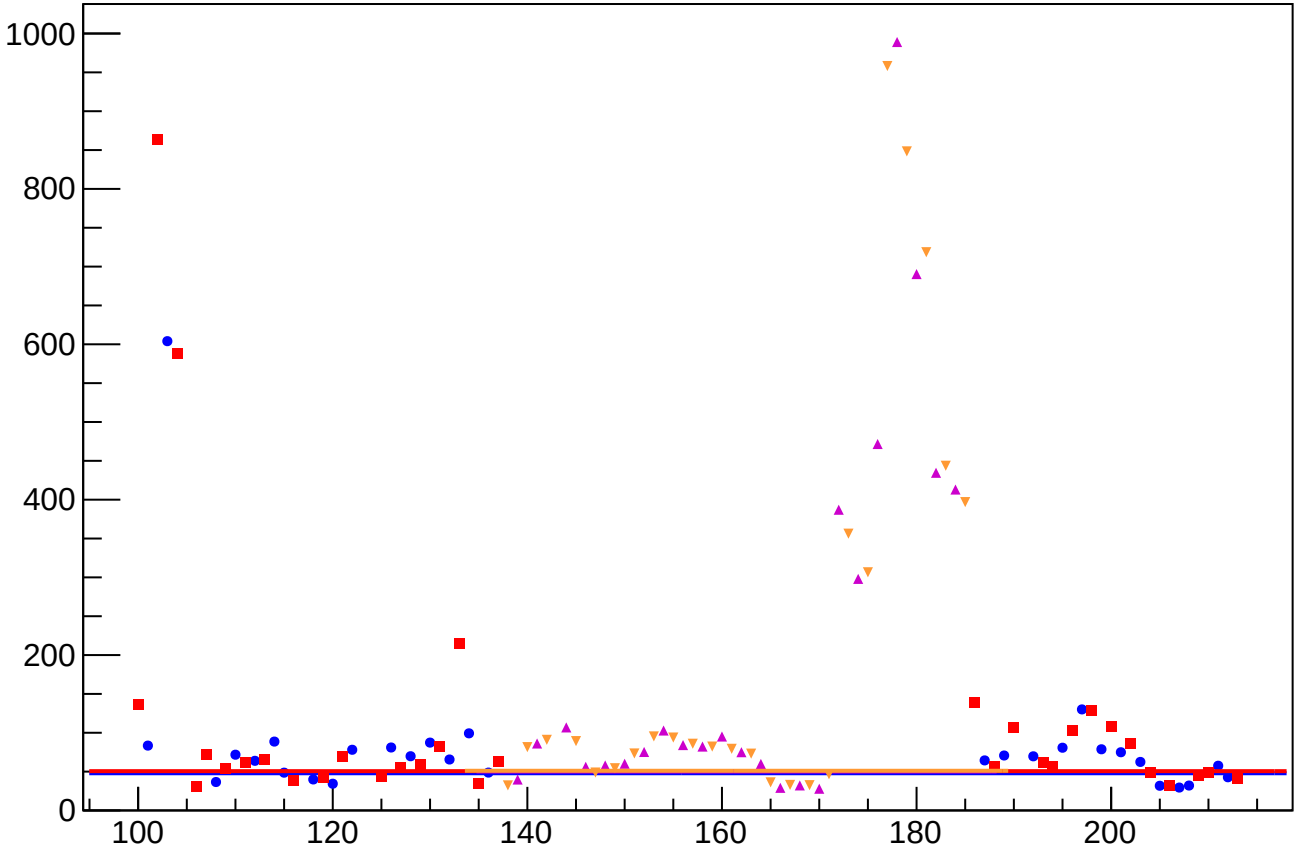
Right: 0.014+/-0.010 χ^2/NDF: 49.9/60

In: 0.007+/-0.010 χ^2/NDF:39.4/51

Out: 0.022+/-0.010 χ^2/NDF:68.9/55

All: 0.015+/-0.007 χ^2/NDF: 109.4/107

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.890+/-0.010 χ^2/NDF: 5303968.9/28

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

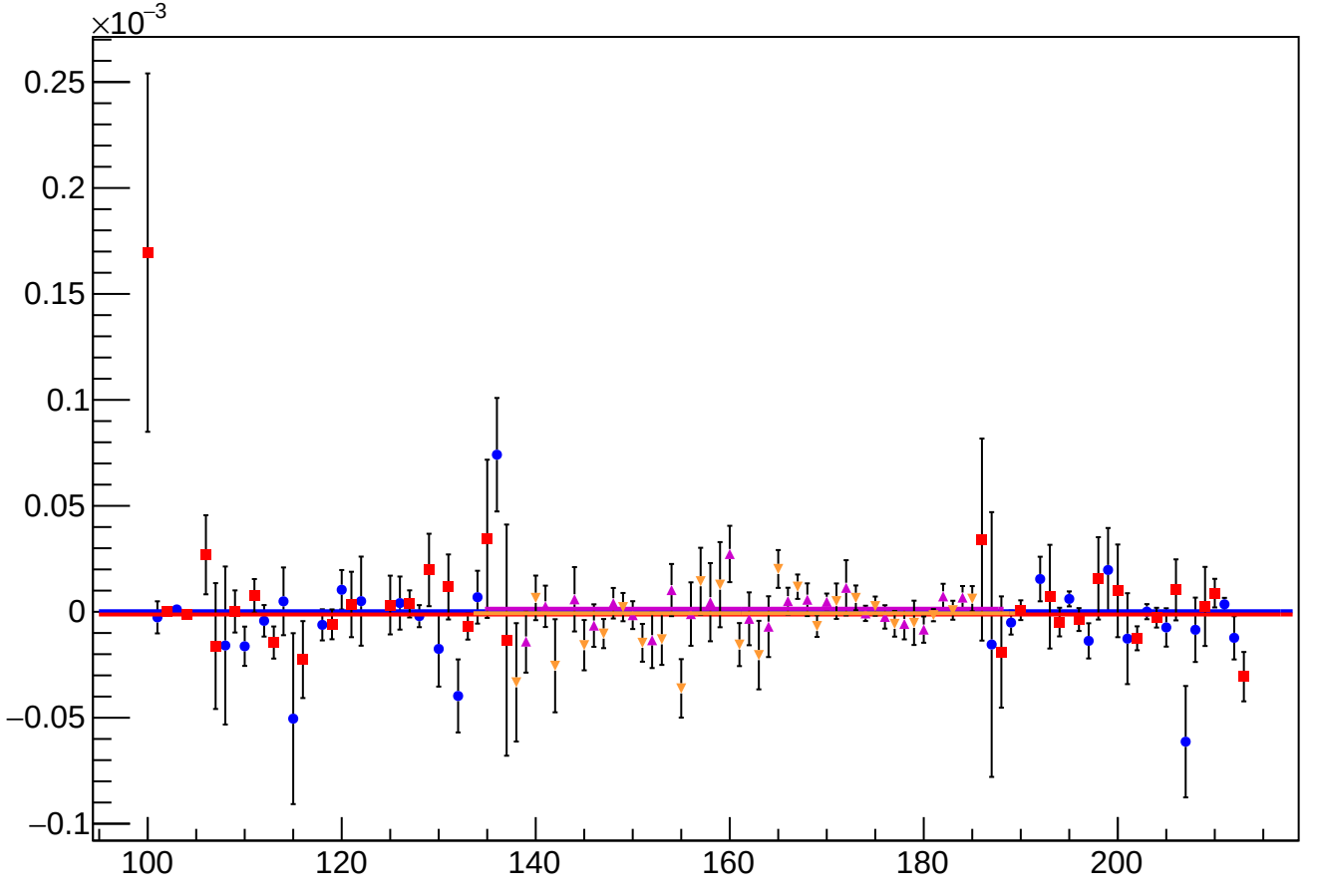
Right: 49.204+/-0.007 χ^2/NDF: 11182230.9/60

In: 48.921+/-0.007 χ^2/NDF:17526649.0/51

Out: 50.809+/-0.007 χ^2/NDF:17576659.2/55

All: 49.845+/-0.005 χ^2/NDF: 35137618.3/107

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 41.4/28

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.2/31

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

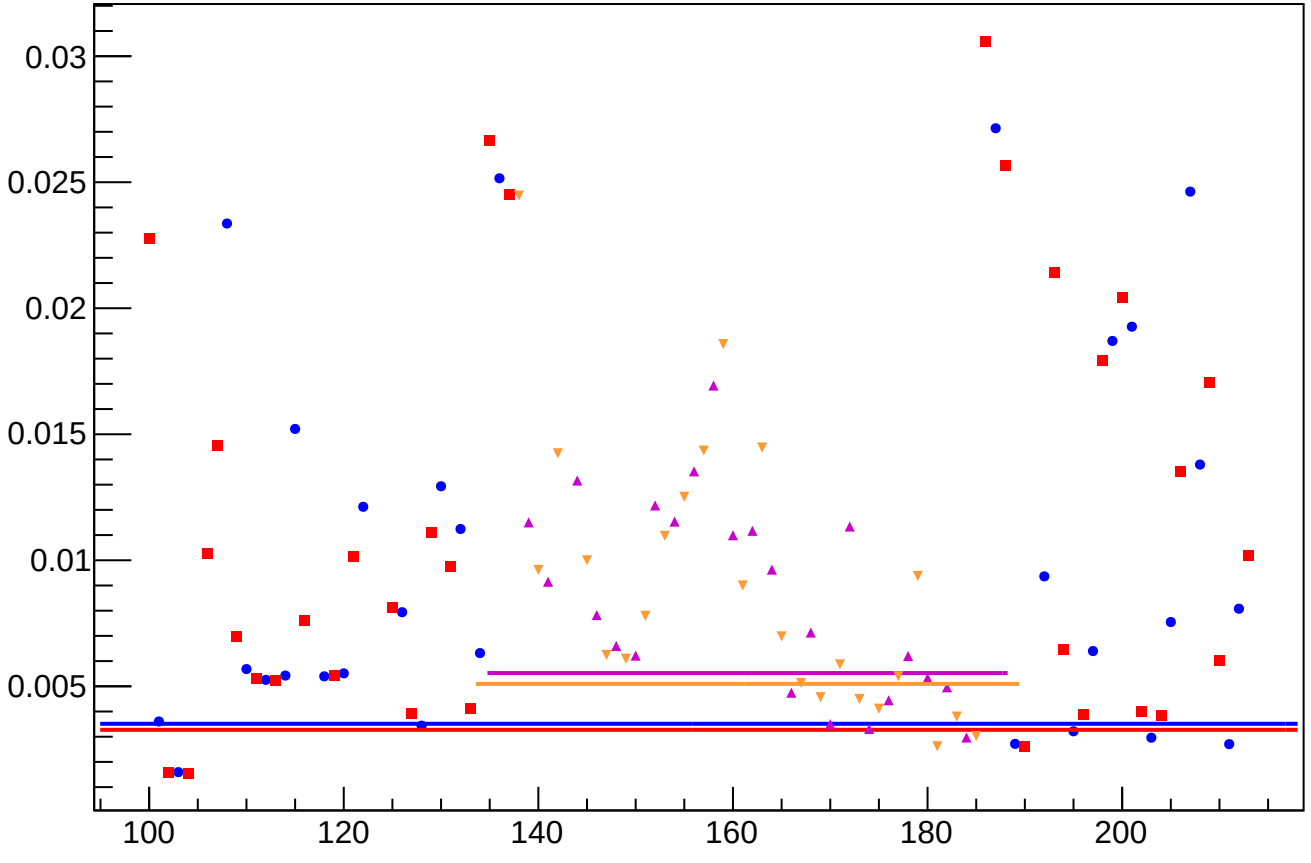
Right: -0.000+/-0.000 χ^2/NDF: 76.5/60

In: 0.000+/-0.000 χ^2/NDF:58.2/51

Out: -0.000+/-0.000 χ^2/NDF:72.8/55

All: -0.000+/-0.000 χ^2/NDF: 132.9/107

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 12566957.4/28

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

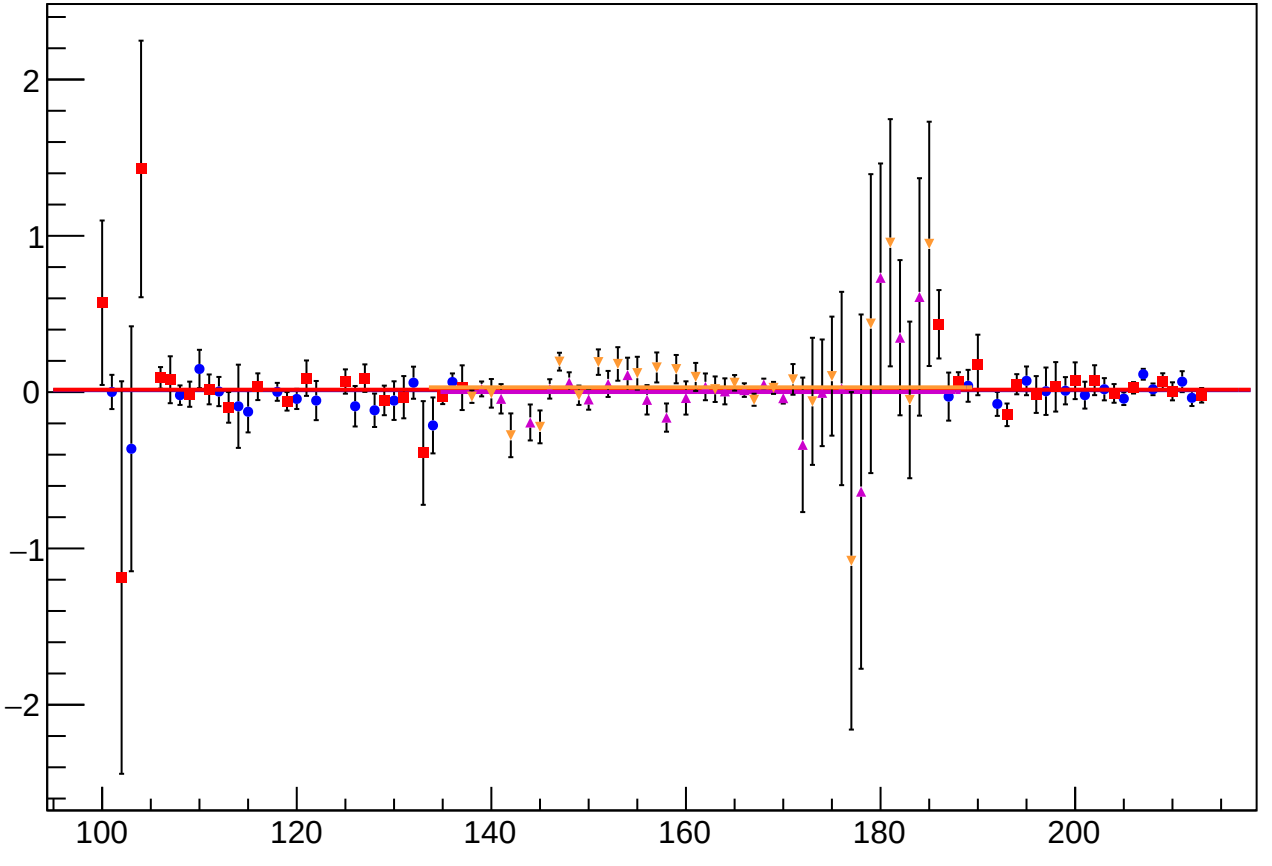
Right: 0.003+/-0.000 χ^2/NDF: 28817816.7/60

In: 0.004+/-0.000 χ^2/NDF:21687962.7/51

Out: 0.004+/-0.000 χ^2/NDF:26714543.9/55

All: 0.004+/-0.000 χ^2/NDF: 48517341.6/107

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 23.1/28

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

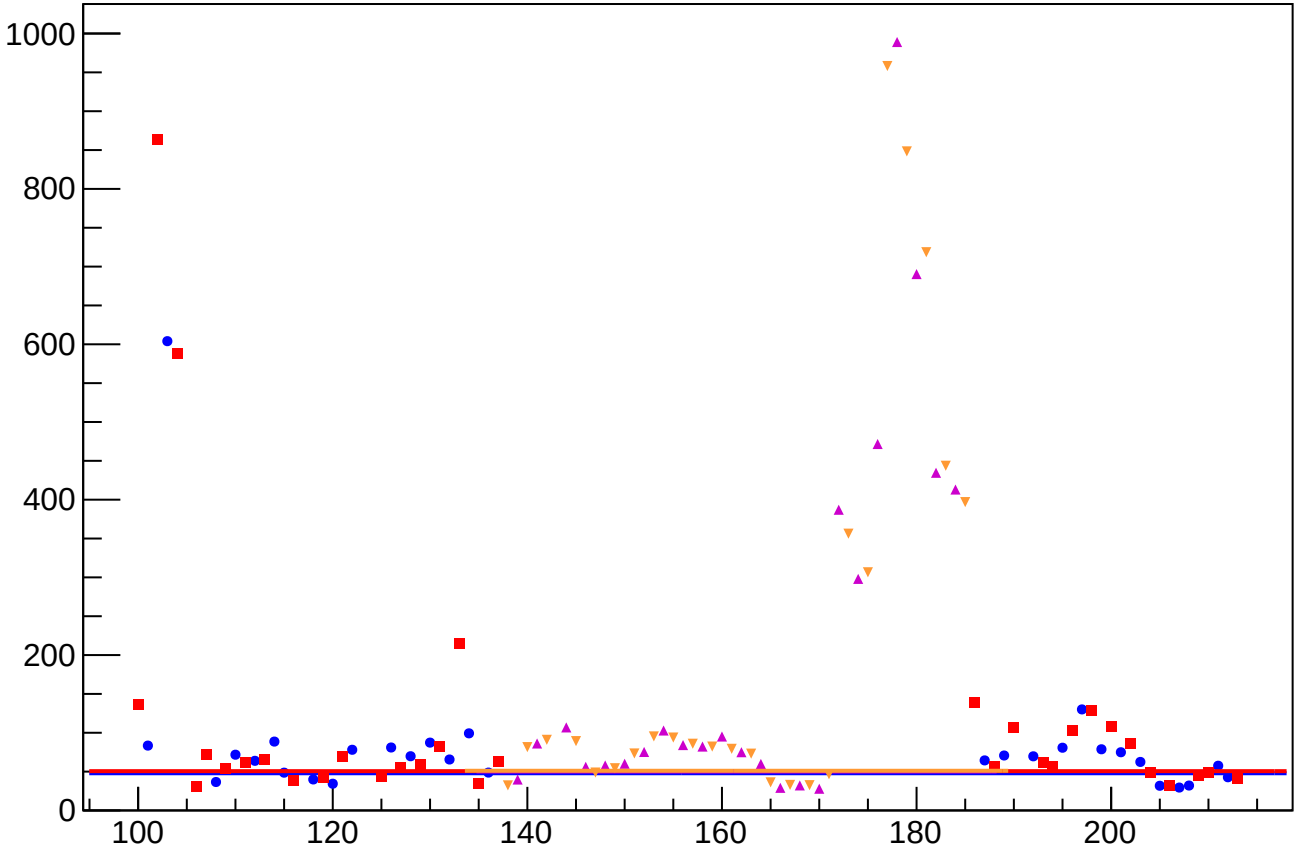
Right: 0.014+/-0.010 χ^2/NDF: 49.9/60

In: 0.007+/-0.010 χ^2/NDF:39.4/51

Out: 0.022+/-0.010 χ^2/NDF:68.9/55

All: 0.015+/-0.007 χ^2/NDF: 109.4/107

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.891+/-0.010 χ^2/NDF: 5303747.1/28

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

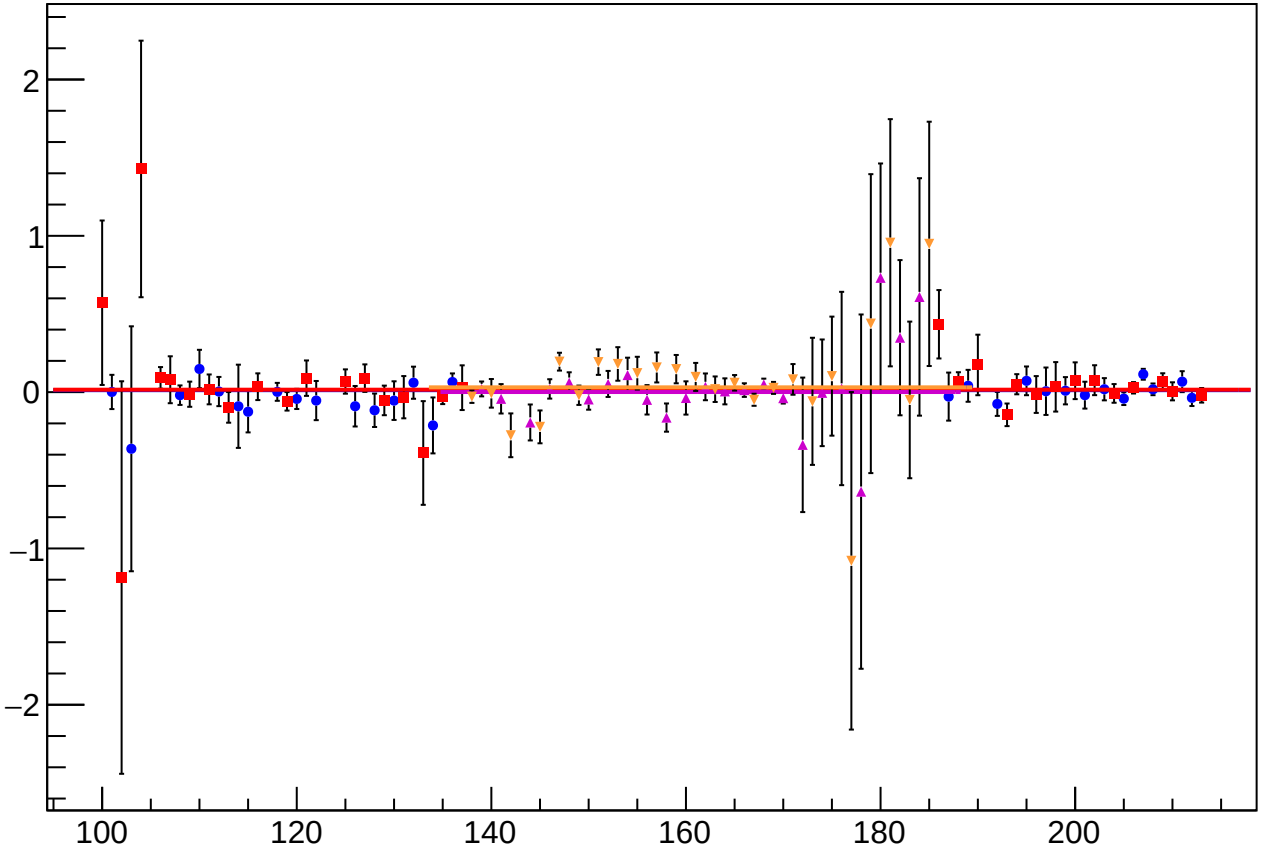
Right: 49.206+/-0.007 χ^2/NDF: 11181717.5/60

In: 48.922+/-0.007 χ^2/NDF:17526341.3/51

Out: 50.811+/-0.007 χ^2/NDF:17575533.5/55

All: 49.846+/-0.005 χ^2/NDF: 35136226.8/107

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 23.1/28

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

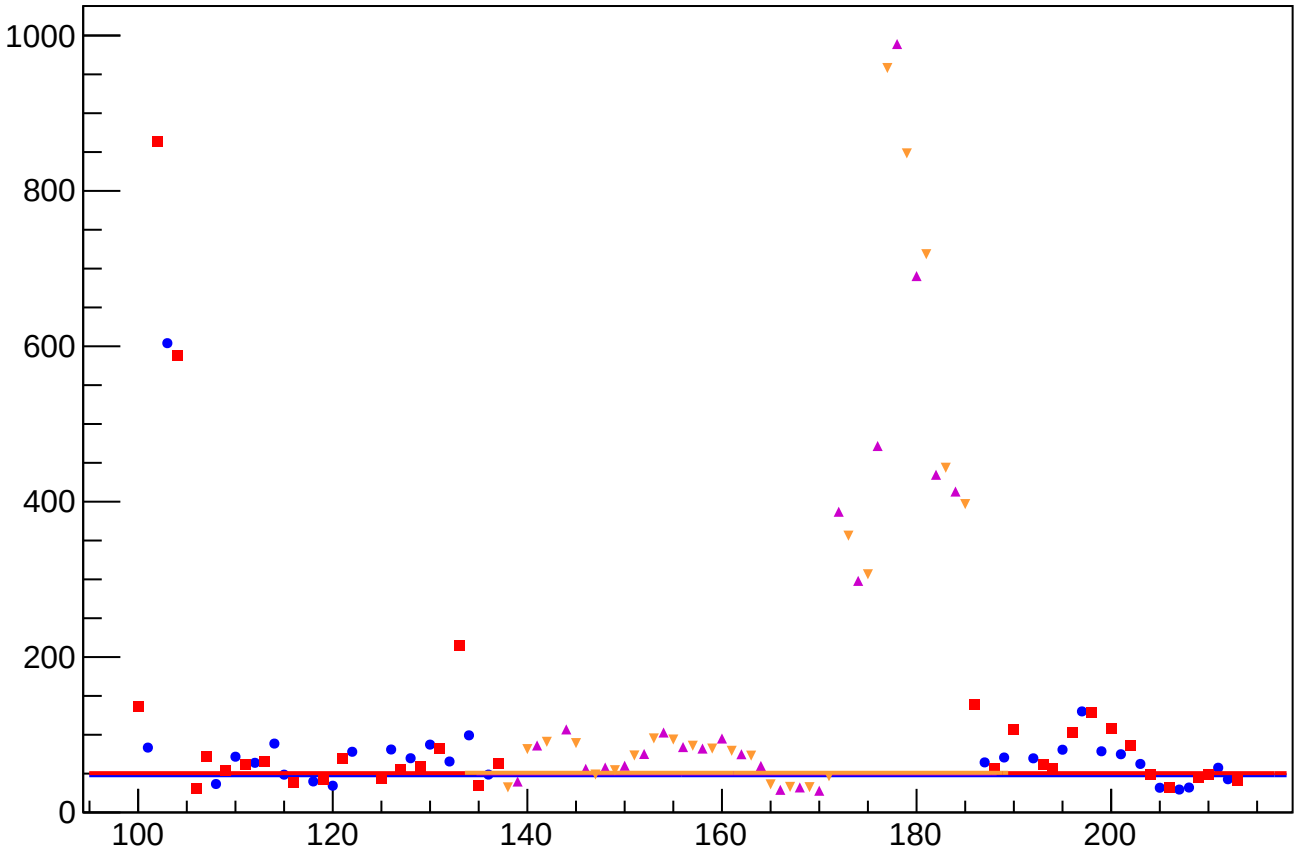
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.014+/-0.010 χ^2/NDF: 49.9/60

In: 0.007+/-0.010 χ^2/NDF:39.4/51

Out: 0.022+/-0.010 χ^2/NDF:68.9/55

All: 0.015+/-0.007 χ^2/NDF: 109.4/107



Right In: 47.891+/-0.010 χ^2/NDF: 5303747.1/28

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

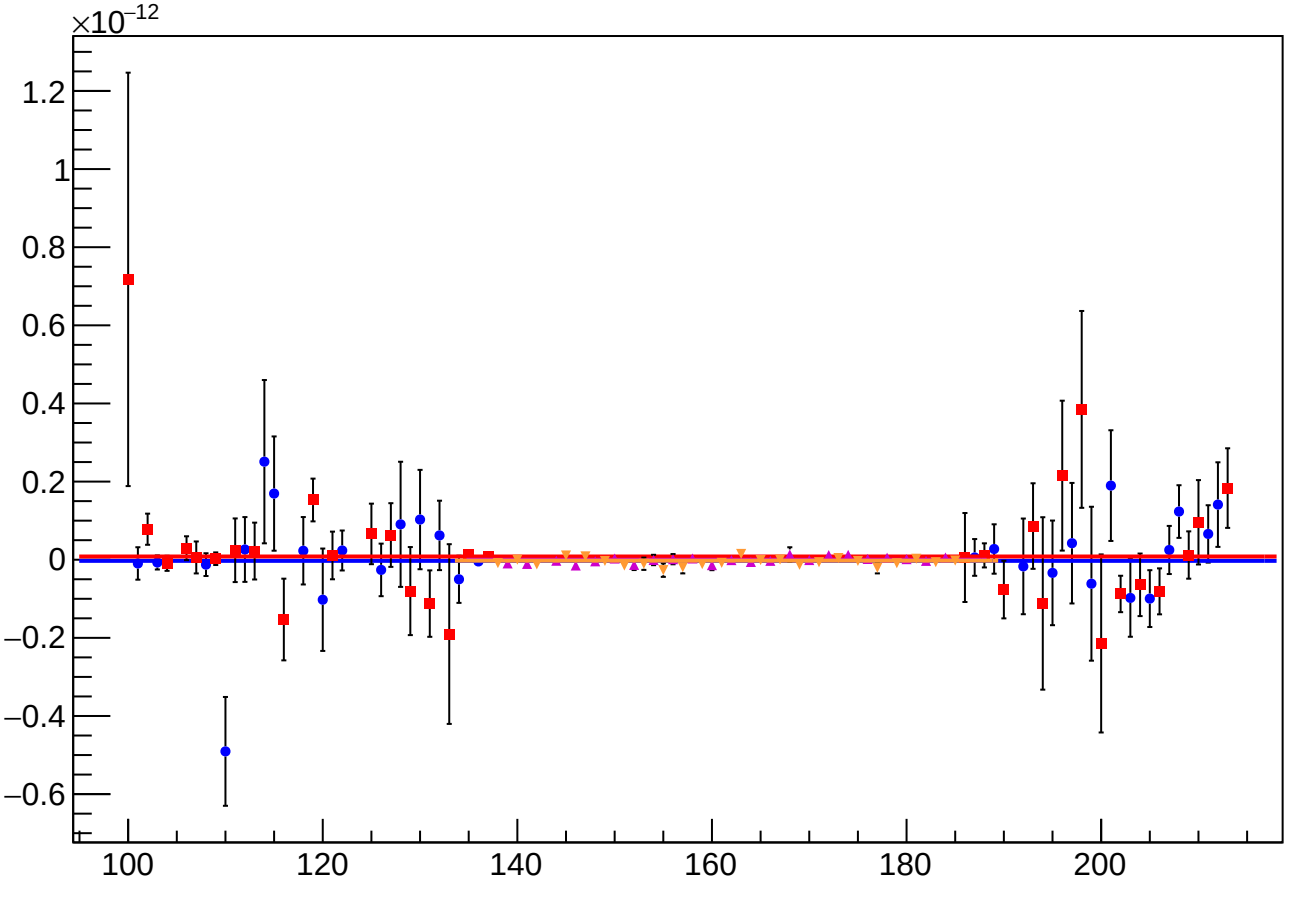
Right: 49.206+/-0.007 χ^2/NDF: 11181717.5/60

In: 48.922+/-0.007 χ^2/NDF:17526341.3/51

Out: 50.811+/-0.007 χ^2/NDF:17575533.5/55

All: 49.846+/-0.005 χ^2/NDF: 35136226.8/107

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: 30.1/28

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

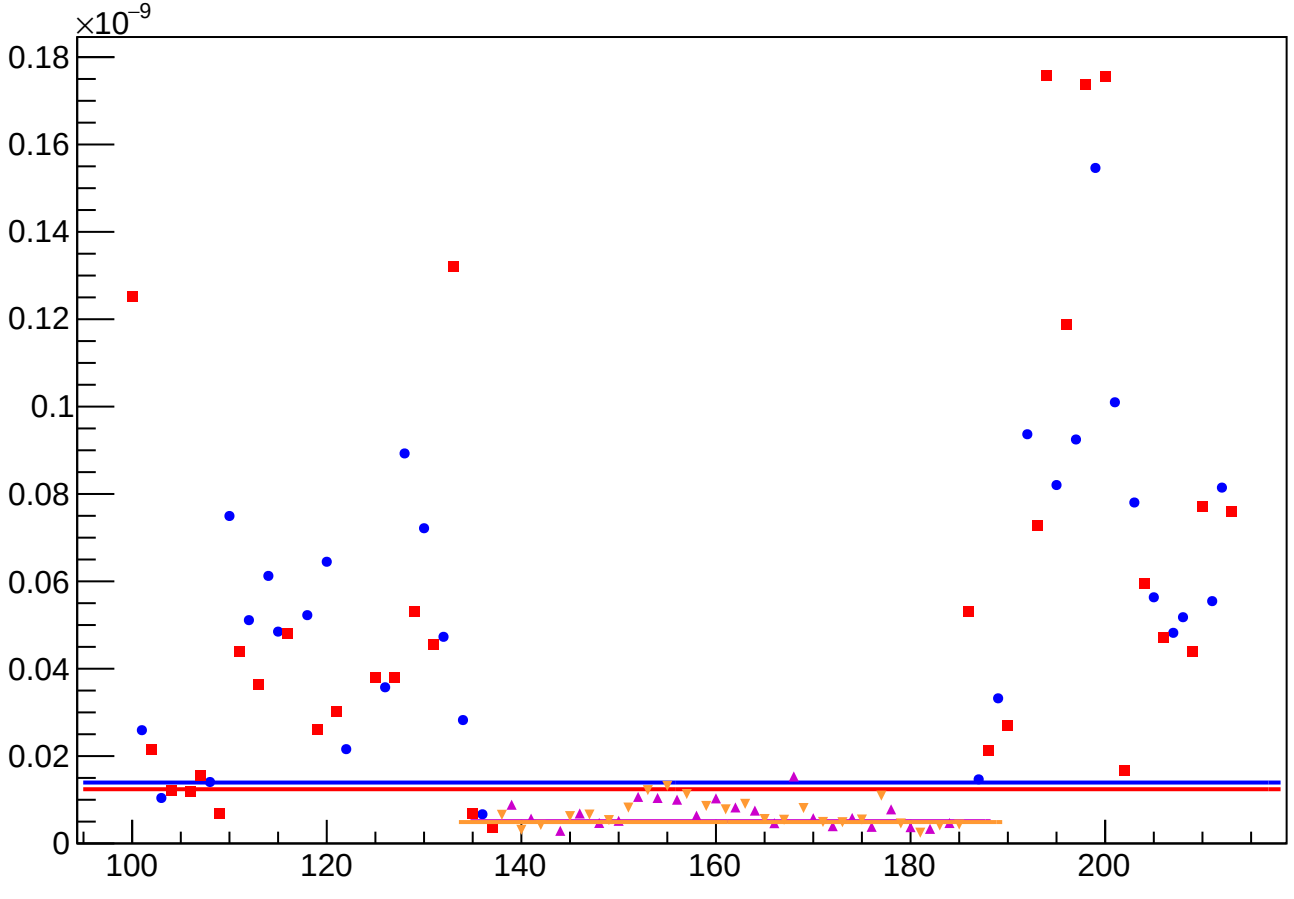
Right: 0.000+/-0.000 χ^2/NDF: 69.3/60

In: -0.000+/-0.000 χ^2/NDF:48.5/51

Out: -0.000+/-0.000 χ^2/NDF:62.7/55

All: -0.000+/-0.000 χ^2/NDF: 111.6/107

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: 13049884.5/28

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

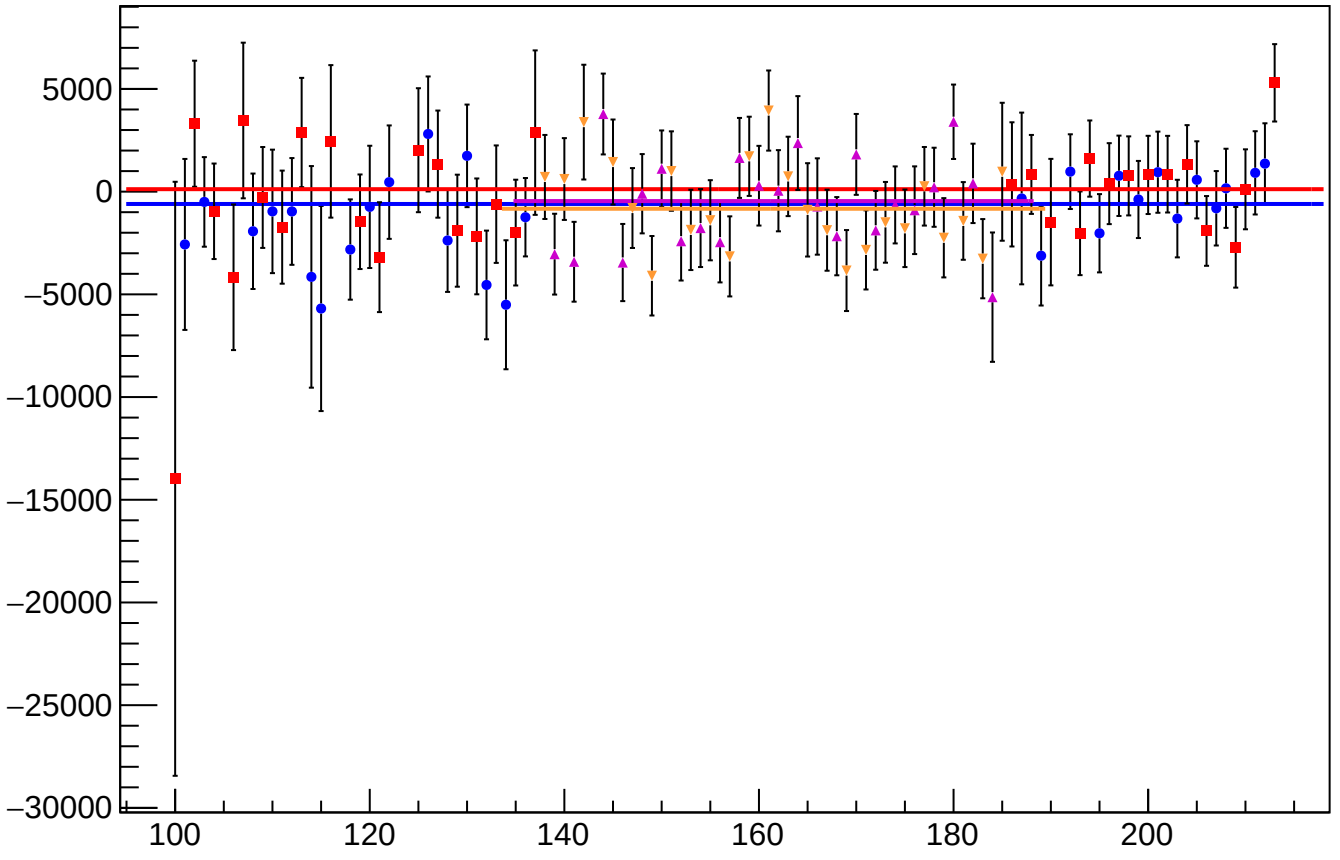
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 25673273.6/60

In: 0.000+/-0.000 χ^2/NDF:20282351.1/51

Out: 0.000+/-0.000 χ^2/NDF:19732420.0/55

All: 0.000+/-0.000 χ^2/NDF: 40043422.2/107



Right In: -600.075+/-432.195 χ^2/NDF: 16.3/28

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

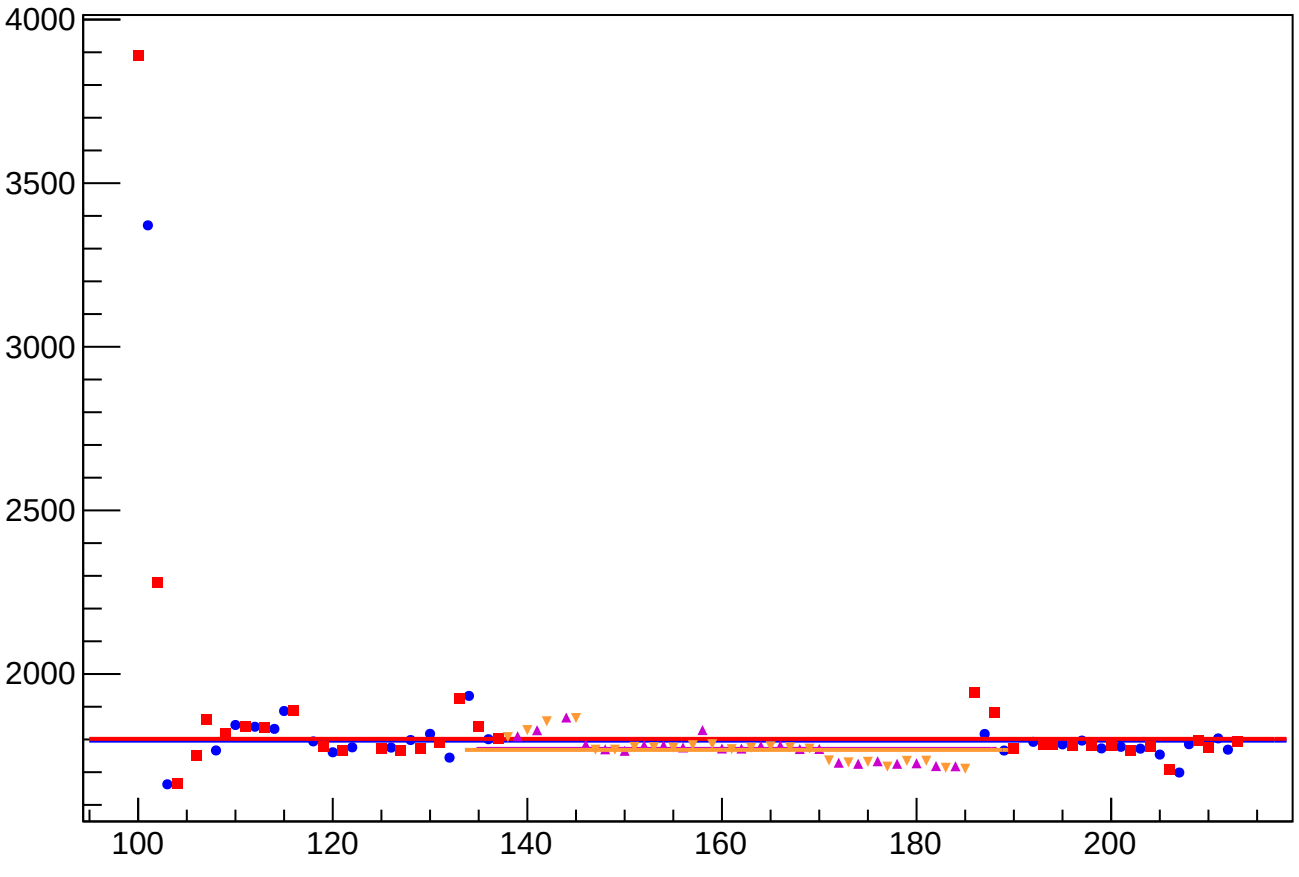
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -229.398+/-301.154 χ^2/NDF: 43.3/60

In: -526.754+/-298.831 χ^2/NDF:43.7/51

Out: -366.883+/-293.503 χ^2/NDF:53.6/55

All: -445.381+/-209.396 χ^2/NDF: 97.4/107



Right In: 1796.413+/-0.306 χ^2/NDF: 309649.1/28

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

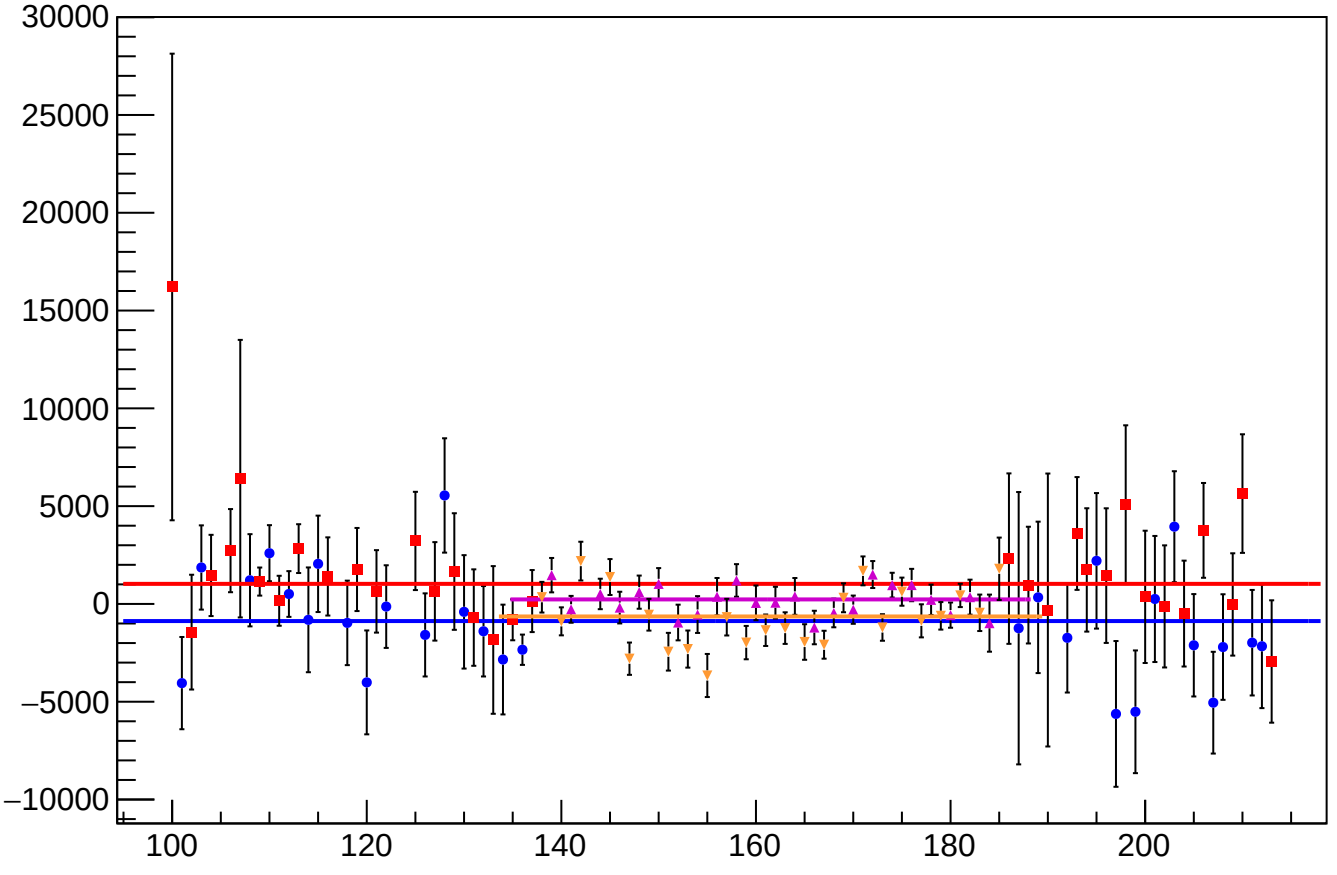
Right: 1799.193+/-0.213 χ^2/NDF: 432140.8/60

In: 1783.263+/-0.211 χ^2/NDF:329622.4/51

Out: 1784.589+/-0.208 χ^2/NDF:145274.0/55

All: 1783.938+/-0.148 χ^2/NDF: 474916.4/107

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -875.752+/-392.942 χ^2/NDF: 34.7/28

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

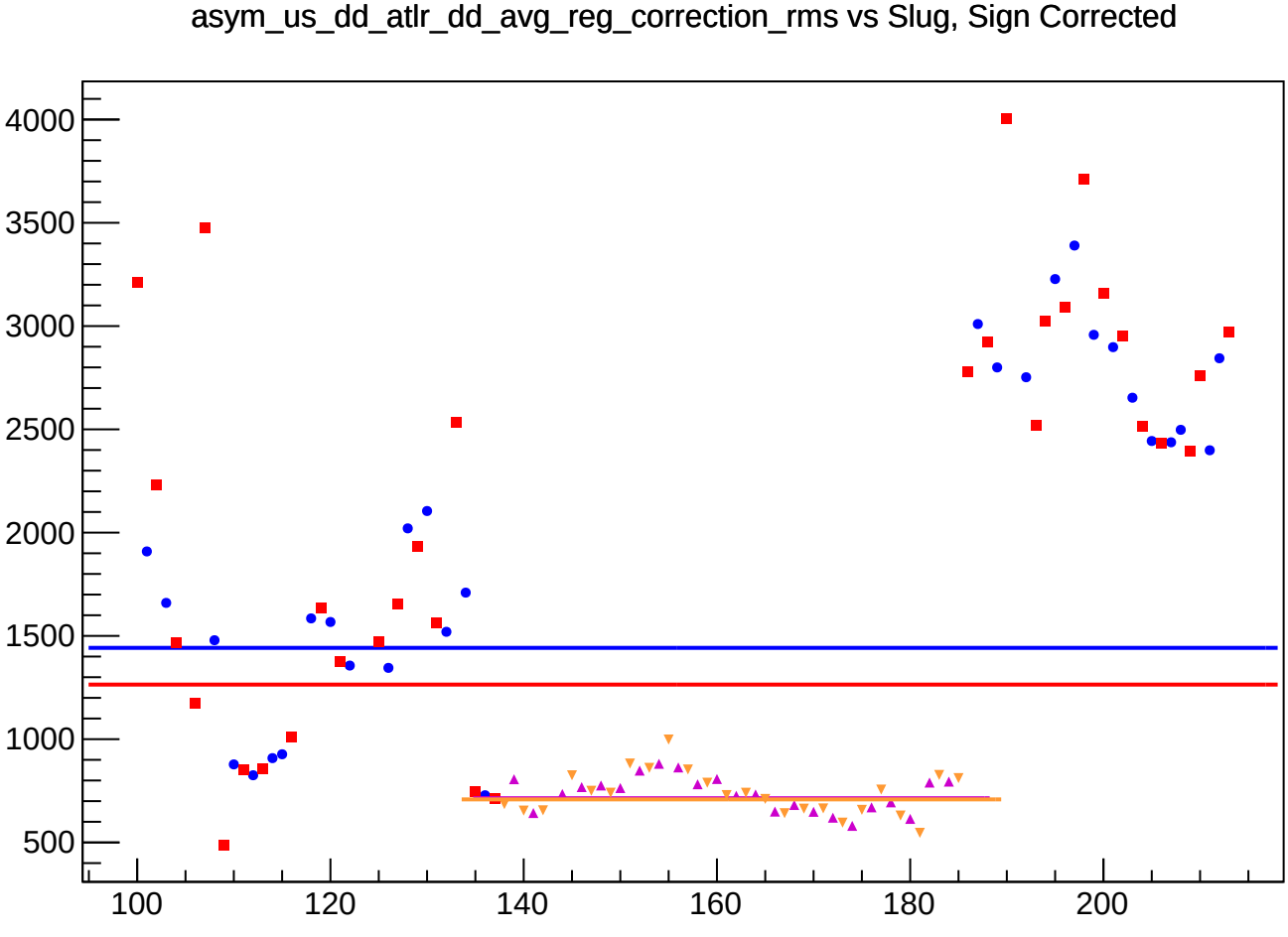
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 167.361+/-264.049 χ^2/NDF: 67.0/60

In: 59.115+/-154.722 χ^2/NDF:61.3/51

Out: -342.699+/-150.824 χ^2/NDF:104.1/55

All: -146.917+/-108.000 χ^2/NDF: 168.9/107



Right In: 1442.110+/-0.278 χ^2/NDF: 7692523.8/28

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

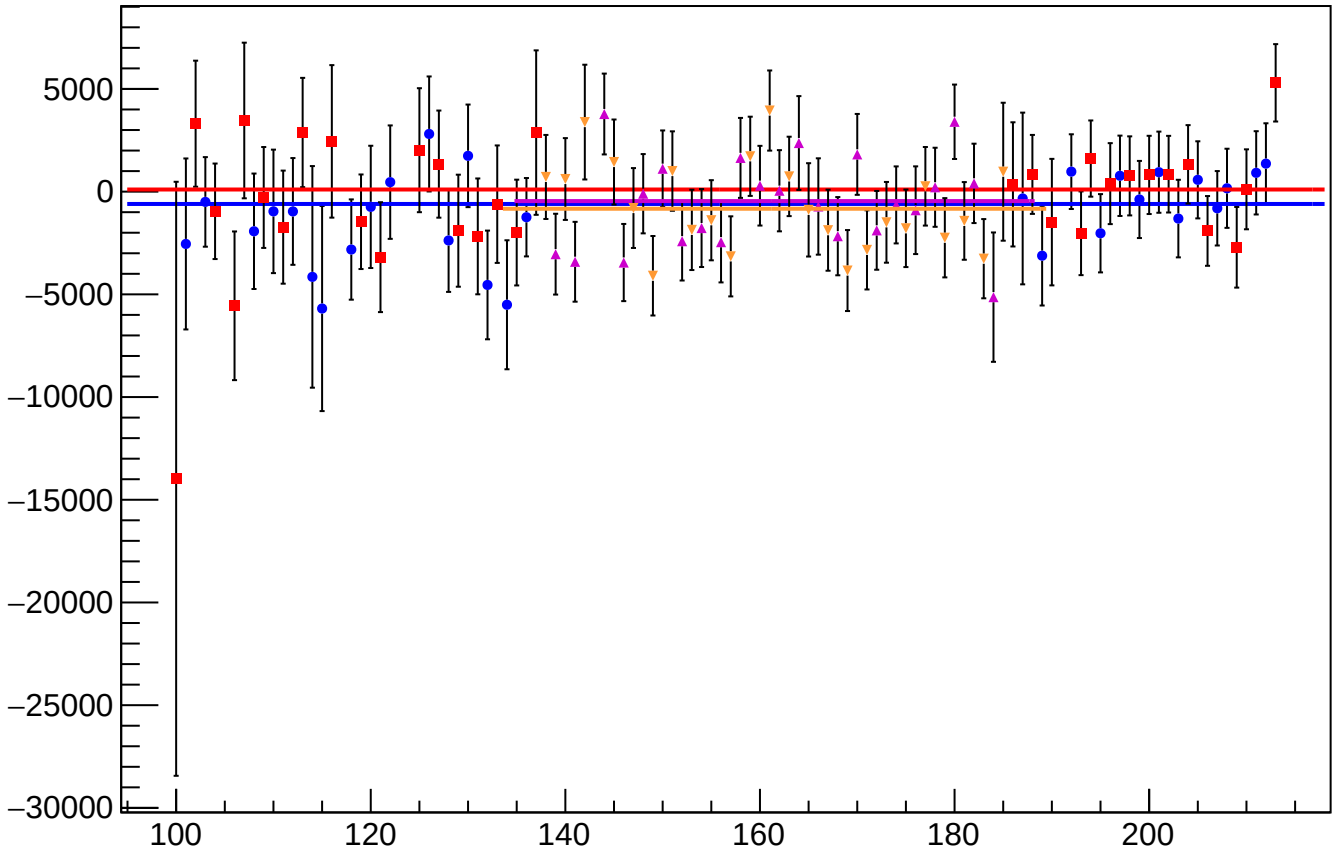
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1344.581+/-0.187 χ^2/NDF: 19439791.8/60

In: 827.023+/-0.109 χ^2/NDF:13989513.0/51

Out: 807.952+/-0.107 χ^2/NDF:16213066.3/55

All: 817.244+/-0.076 χ^2/NDF: 30218160.5/10



Right In: -599.832+/-432.195 χ^2/NDF: 16.3/28

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

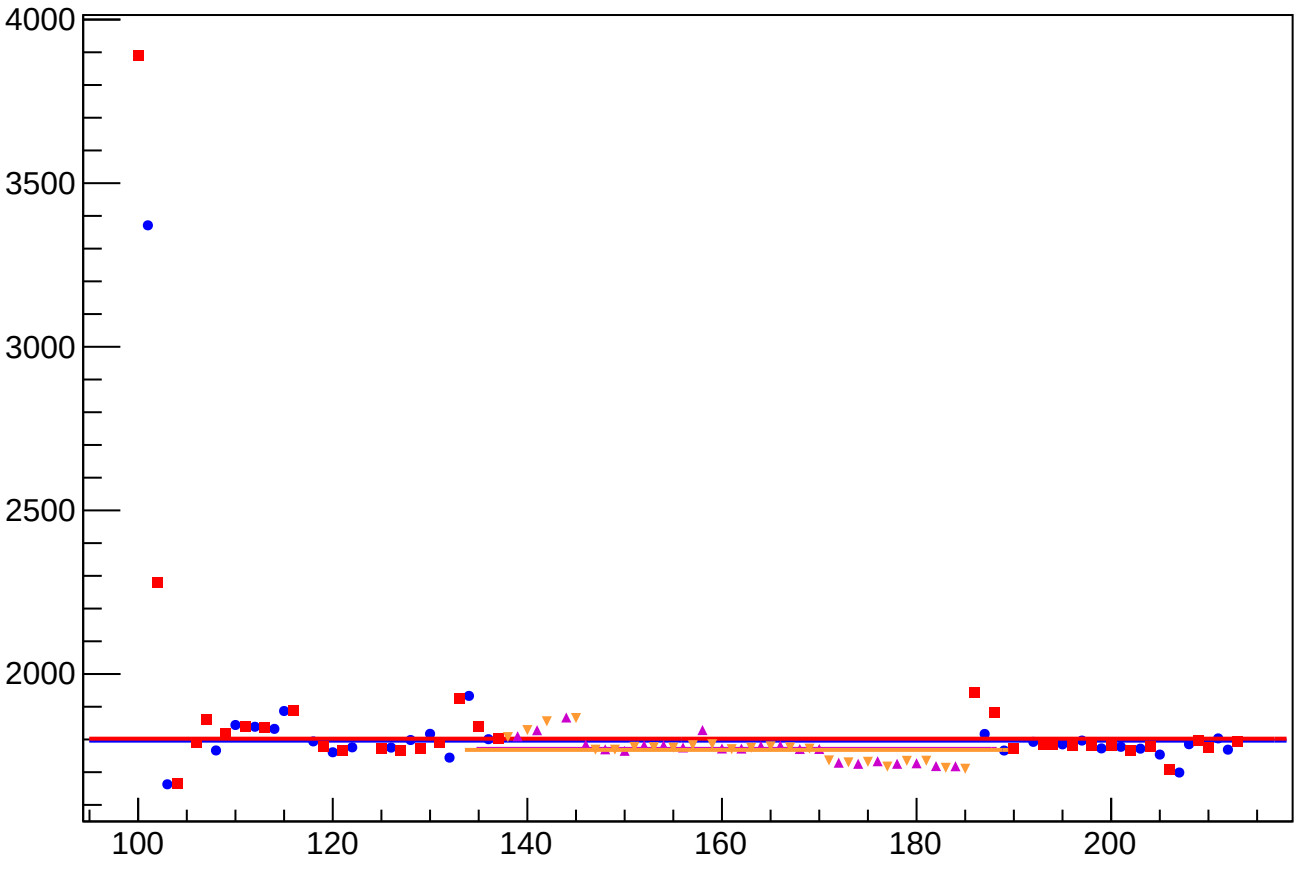
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -237.729+/-301.199 χ^2/NDF: 44.2/60

In: -526.617+/-298.831 χ^2/NDF:43.7/51

Out: -374.892+/-293.544 χ^2/NDF:54.5/55

All: -449.400+/-209.411 χ^2/NDF: 98.3/107



Right In: 1796.413+/-0.306 χ^2/NDF: 309650.9/28

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

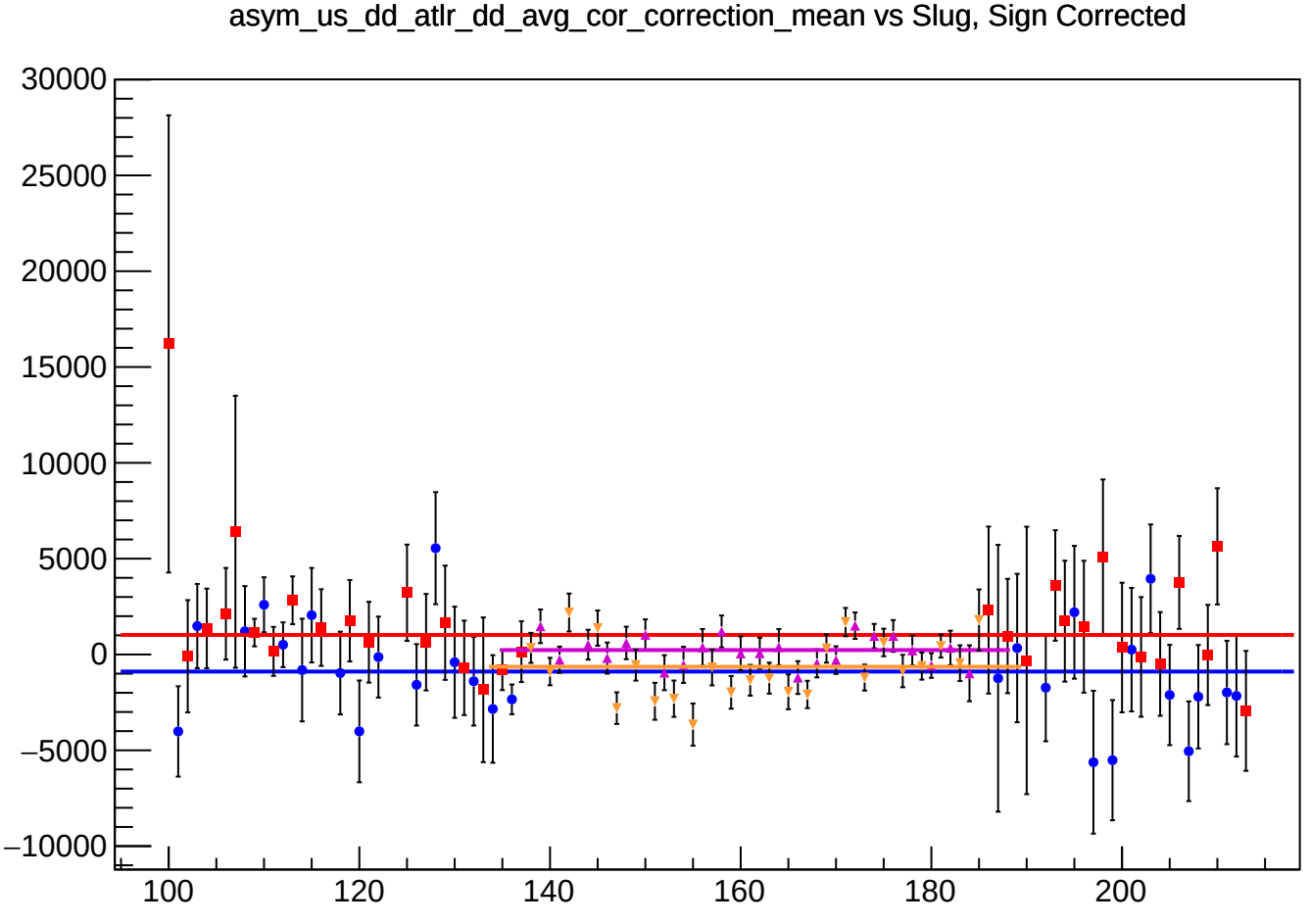
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1799.490+/-0.213 χ^2/NDF: 431774.1/60

In: 1783.263+/-0.211 χ^2/NDF:329624.2/51

Out: 1784.867+/-0.208 χ^2/NDF:145095.7/55

All: 1784.079+/-0.148 χ^2/NDF: 474749.3/107



Right In: -890.763+/-393.202 χ^2/NDF: 34.2/28

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

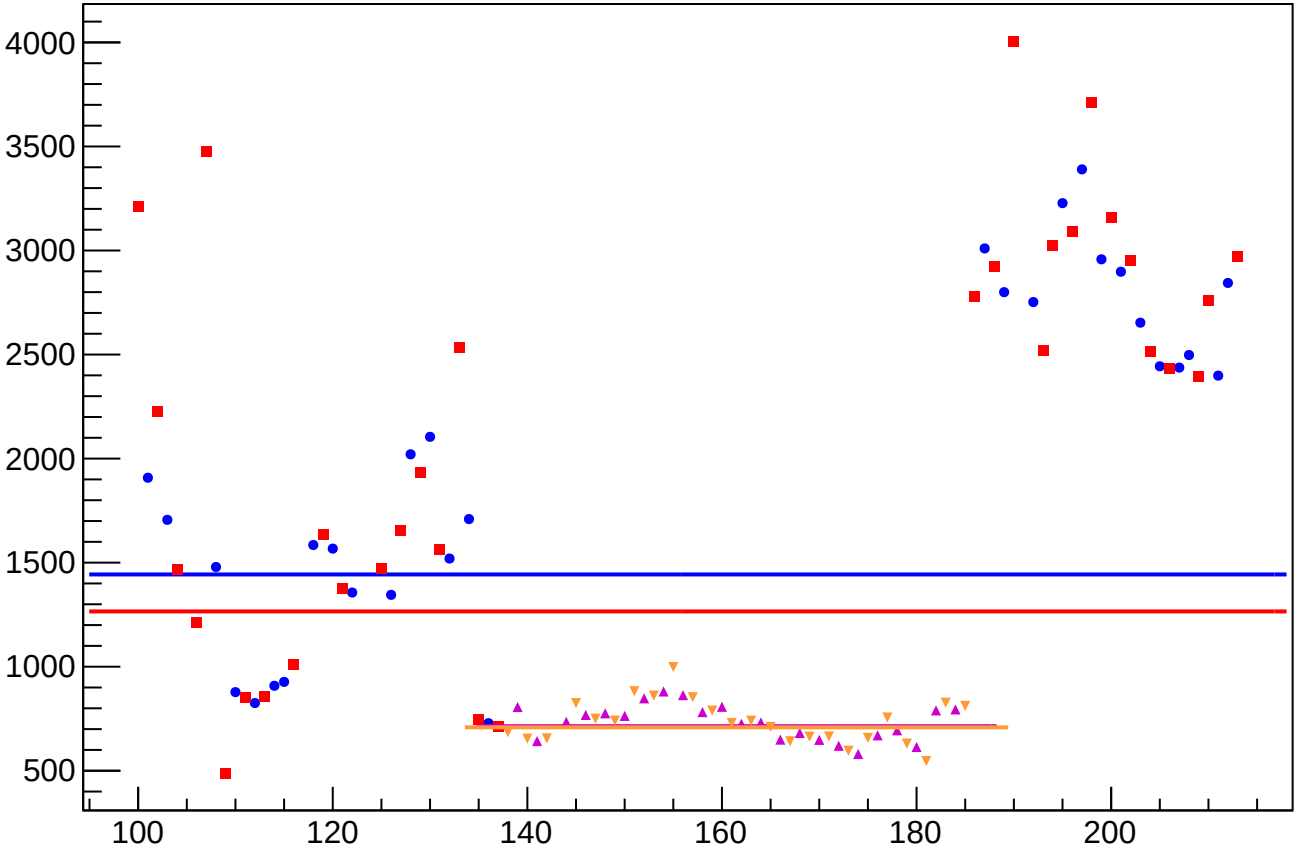
Right: 154.845+/-264.548 χ^2/NDF: 65.5/60

In: 56.912+/-154.739 χ^2/NDF:61.0/51

Out: -345.269+/-150.903 χ^2/NDF:102.8/55

All: -149.225+/-108.035 χ^2/NDF: 167.3/107

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1443.285+/-0.278 χ^2/NDF: 7700498.0/28

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

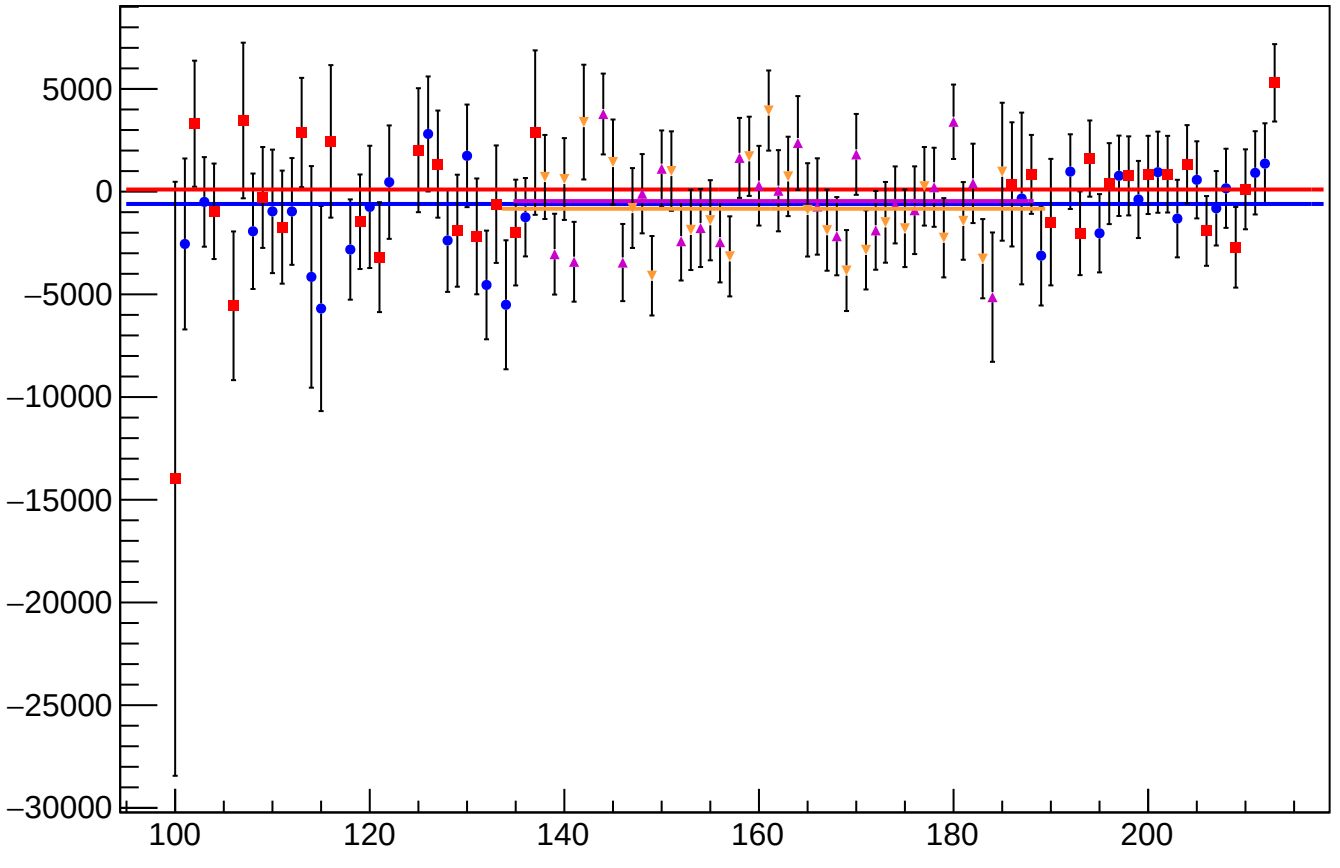
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1346.050+/-0.187 χ^2/NDF: 19442876.1/60

In: 827.086+/-0.109 χ^2/NDF:14009613.9/51

Out: 807.726+/-0.107 χ^2/NDF:16209629.8/55

All: 817.163+/-0.076 χ^2/NDF: 30235289.9/10



Right In: -599.832+/-432.195 χ^2/NDF: 16.3/28

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

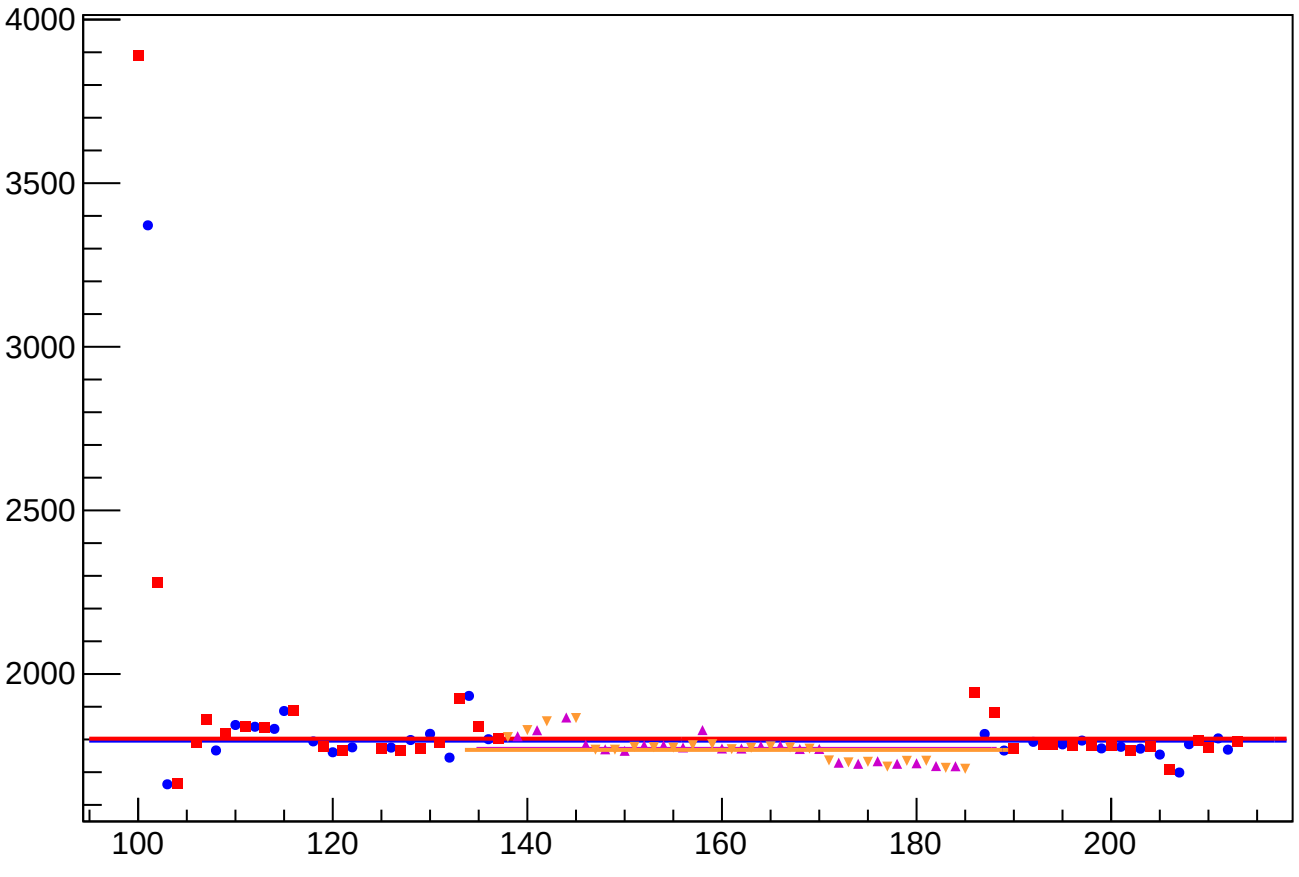
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -237.729+/-301.199 χ^2/NDF: 44.2/60

In: -526.617+/-298.831 χ^2/NDF:43.7/51

Out: -374.892+/-293.544 χ^2/NDF:54.5/55

All: -449.400+/-209.411 χ^2/NDF: 98.3/107



Right In: 1796.413+/-0.306 χ^2/NDF: 309650.9/28

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

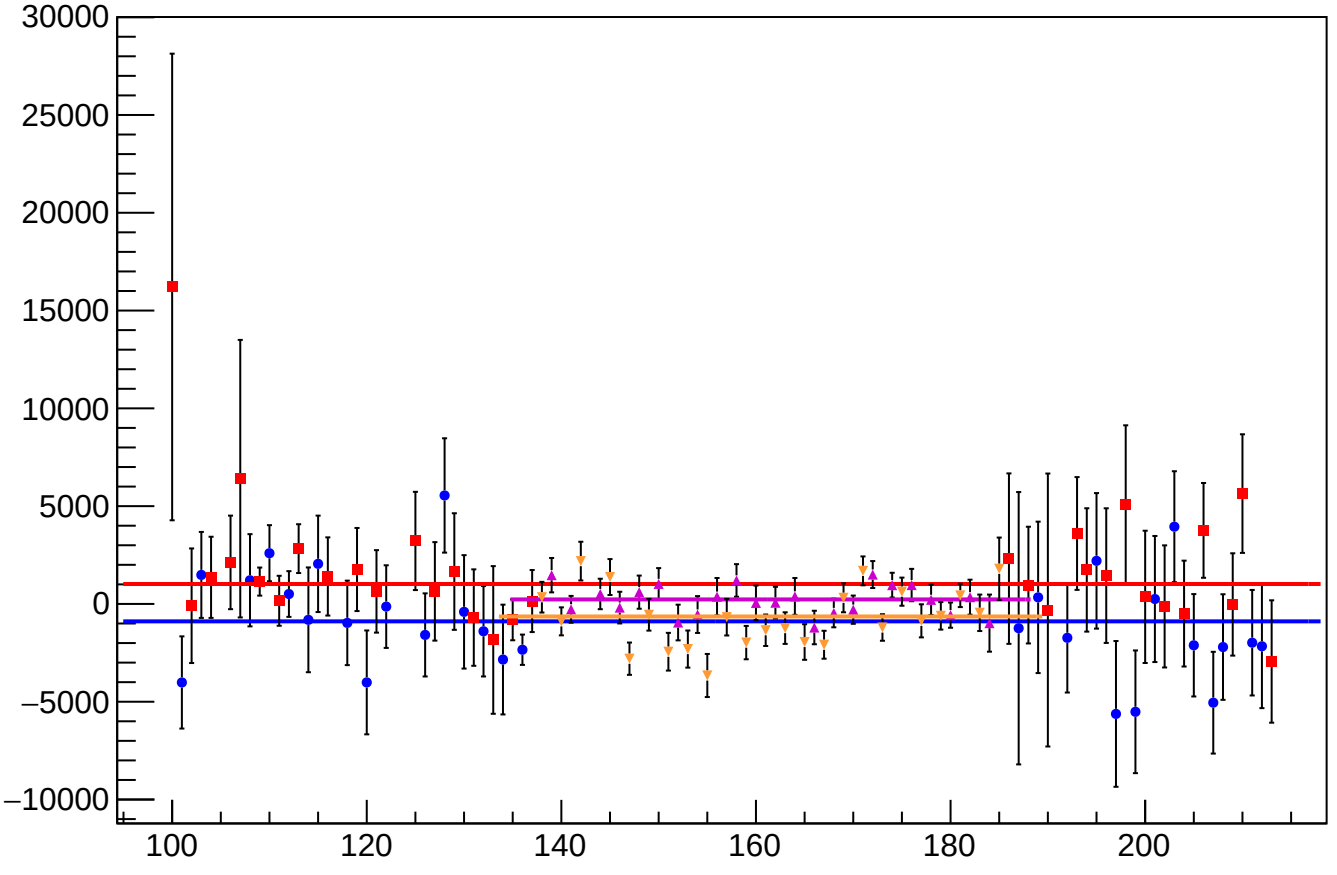
Right: 1799.490+/-0.213 χ^2/NDF: 431774.1/60

In: 1783.263+/-0.211 χ^2/NDF:329624.2/51

Out: 1784.867+/-0.208 χ^2/NDF:145095.7/55

All: 1784.079+/-0.148 χ^2/NDF: 474749.3/107

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -890.763+/-393.202 χ^2/NDF: 34.2/28

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

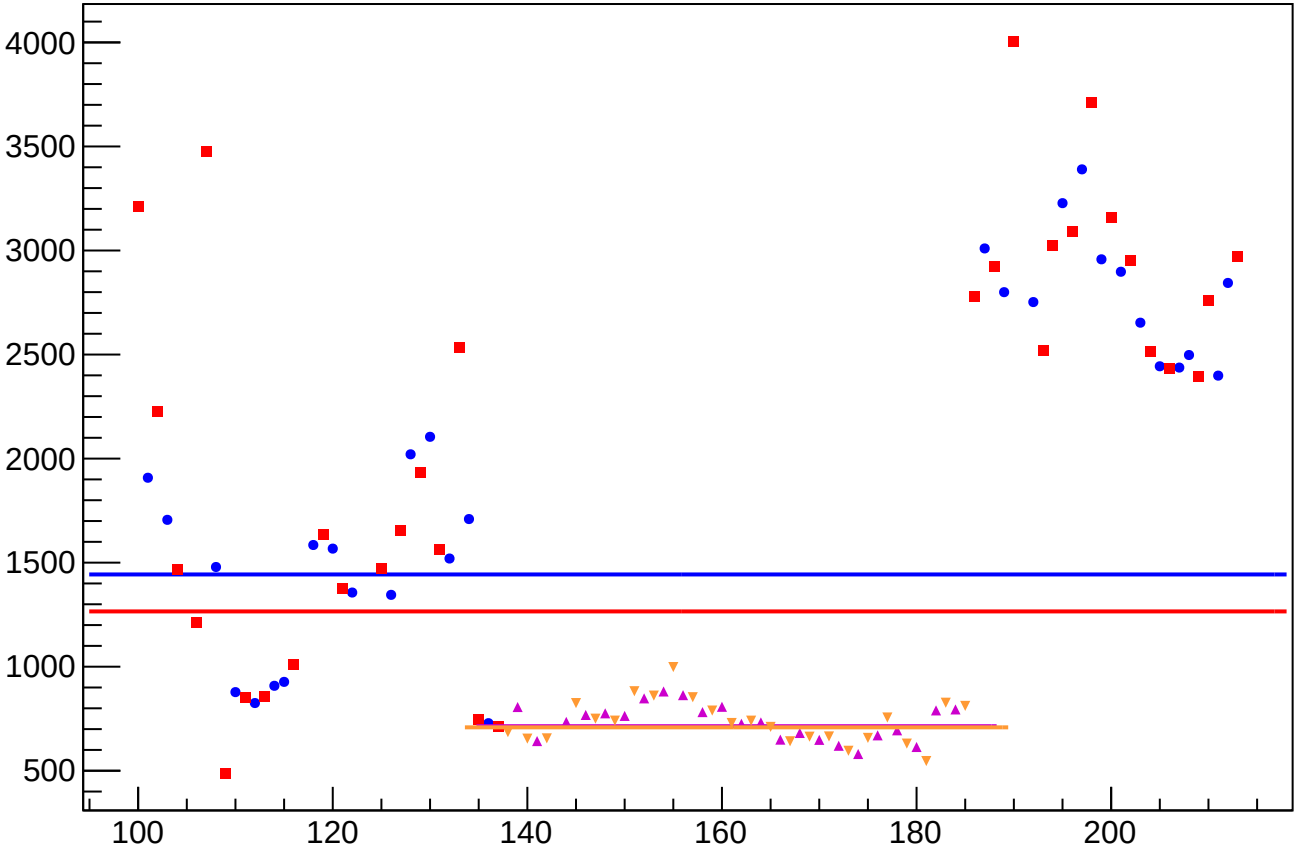
Right: 154.845+/-264.548 χ^2/NDF: 65.5/60

In: 56.912+/-154.739 χ^2/NDF:61.0/51

Out: -345.269+/-150.903 χ^2/NDF:102.8/55

All: -149.225+/-108.035 χ^2/NDF: 167.3/107

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1443.285+/-0.278 χ^2/NDF: 7700498.0/28

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

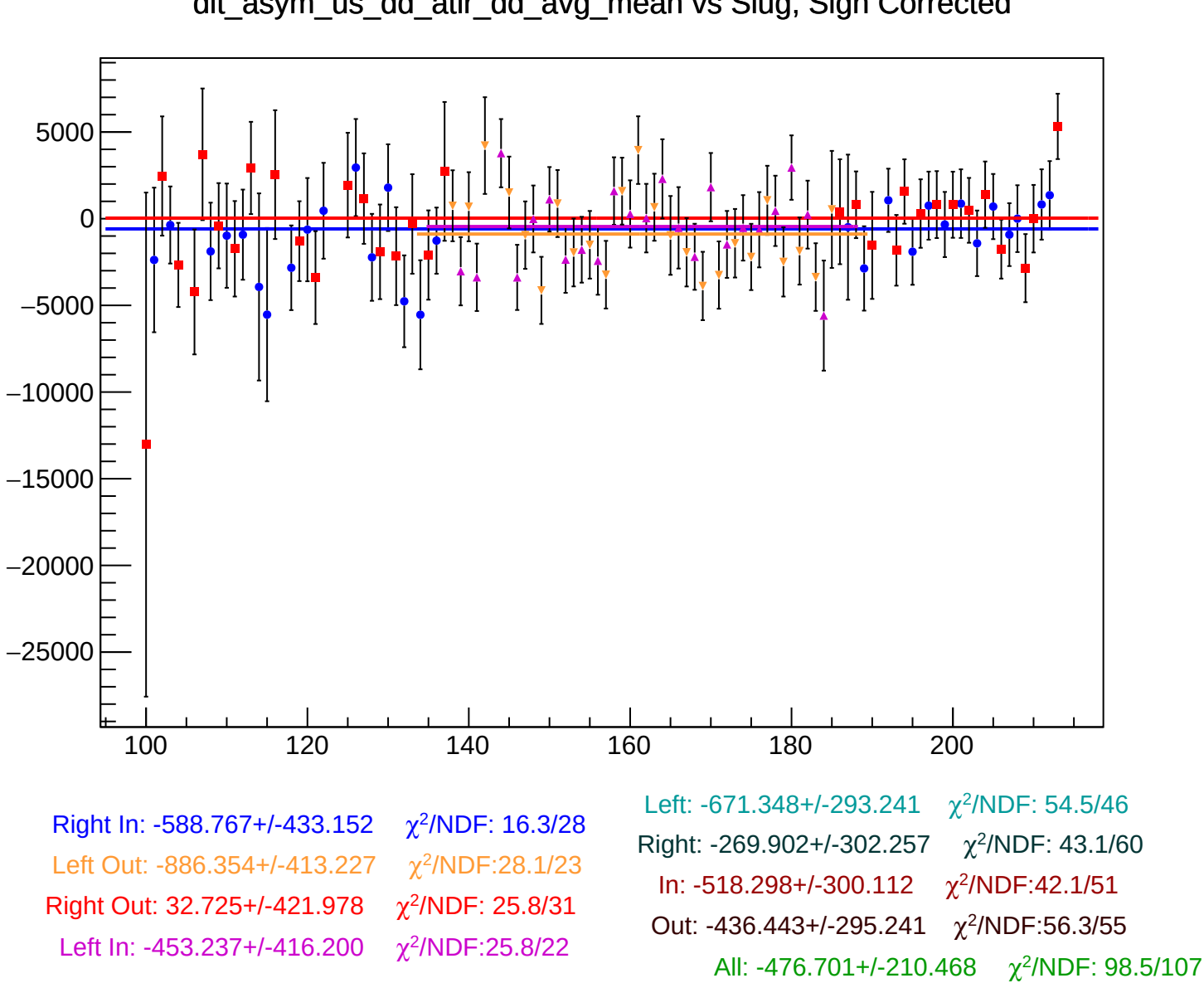
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

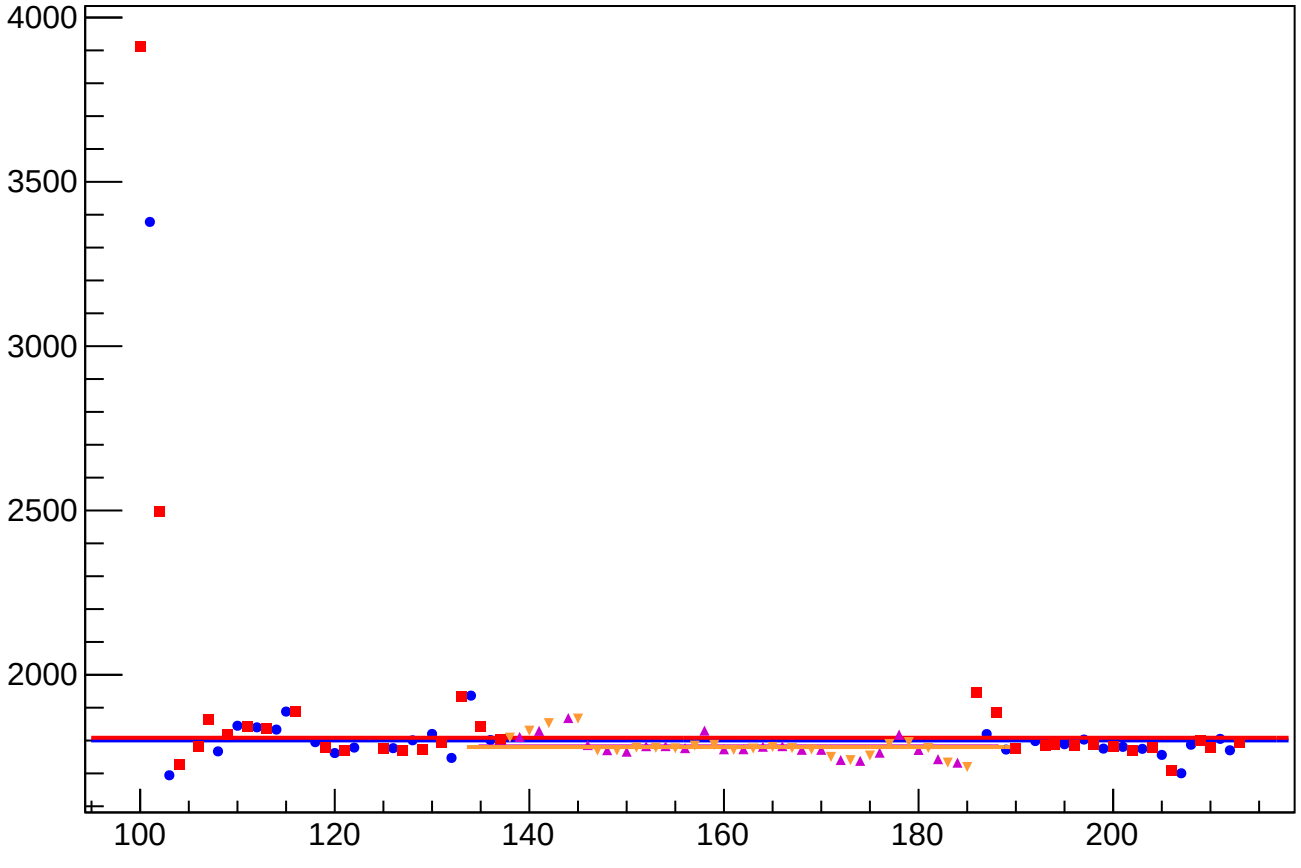
Right: 1346.050+/-0.187 χ^2/NDF: 19442876.1/60

In: 827.086+/-0.109 χ^2/NDF:14009613.9/51

Out: 807.726+/-0.107 χ^2/NDF:16209629.8/55

All: 817.163+/-0.076 χ^2/NDF: 30235289.9/10


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -588.767+/-433.152 χ²/NDF: 16.3/28
Left Out: -886.354+/-413.227 χ²/NDF:28.1/23
Right Out: 32.725+/-421.978 χ²/NDF: 25.8/31
Left In: -453.237+/-416.200 χ²/NDF:25.8/22
Left: -671.348+/-293.241 χ²/NDF: 54.5/46
Right: -269.902+/-302.257 χ²/NDF: 43.1/60
In: -518.298+/-300.112 χ²/NDF:42.1/51
Out: -436.443+/-295.241 χ²/NDF:56.3/55
All: -476.701+/-210.468 χ²/NDF: 98.5/107



Right In: 1800.416+/-0.306 χ^2/NDF: 307011.7/28

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

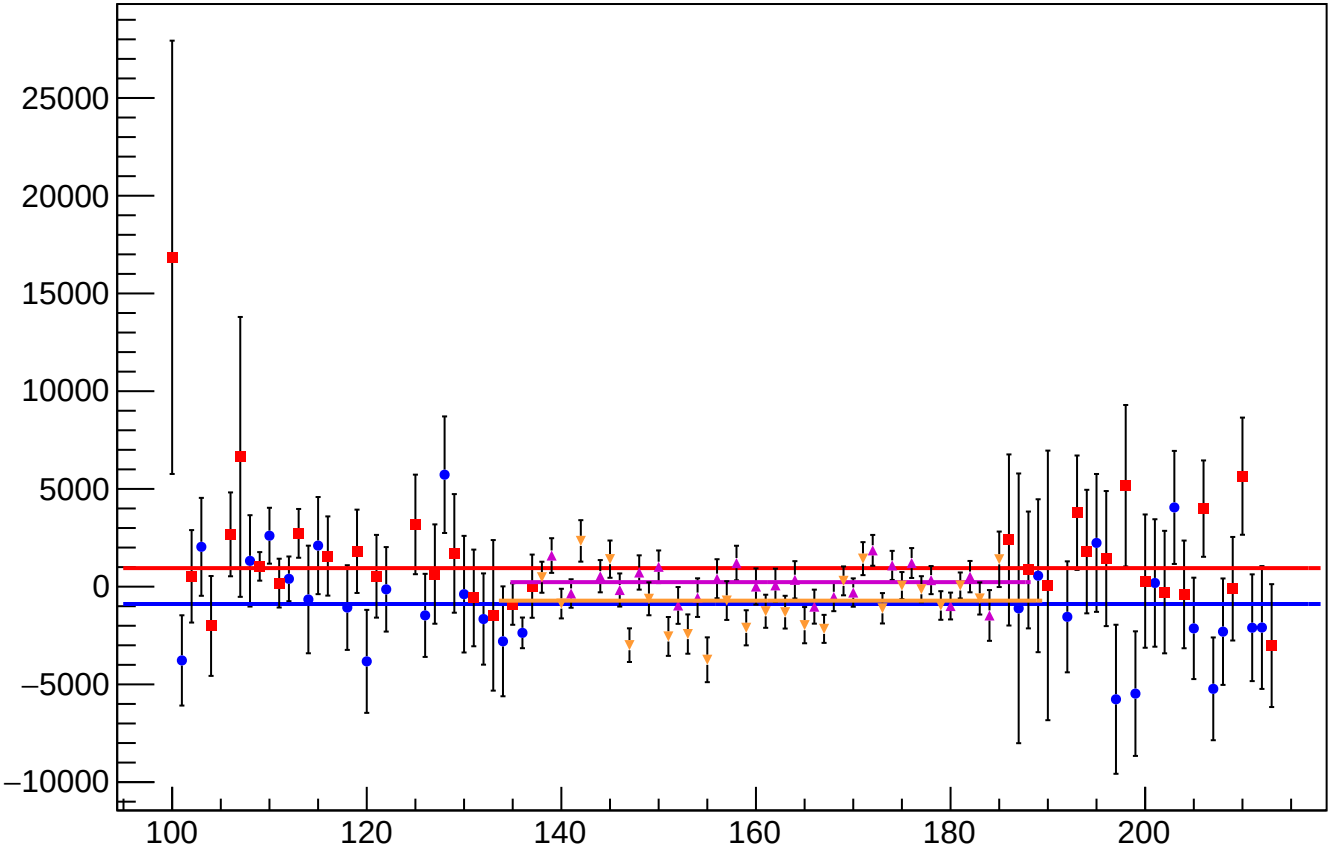
Right: 1804.556+/-0.214 χ^2/NDF: 457155.2/60

In: 1790.996+/-0.212 χ^2/NDF:320063.2/51

Out: 1794.057+/-0.209 χ^2/NDF:164748.3/55

All: 1792.551+/-0.149 χ^2/NDF: 484917.2/107

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -887.047+/-396.378 χ^2/NDF: 34.3/28

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

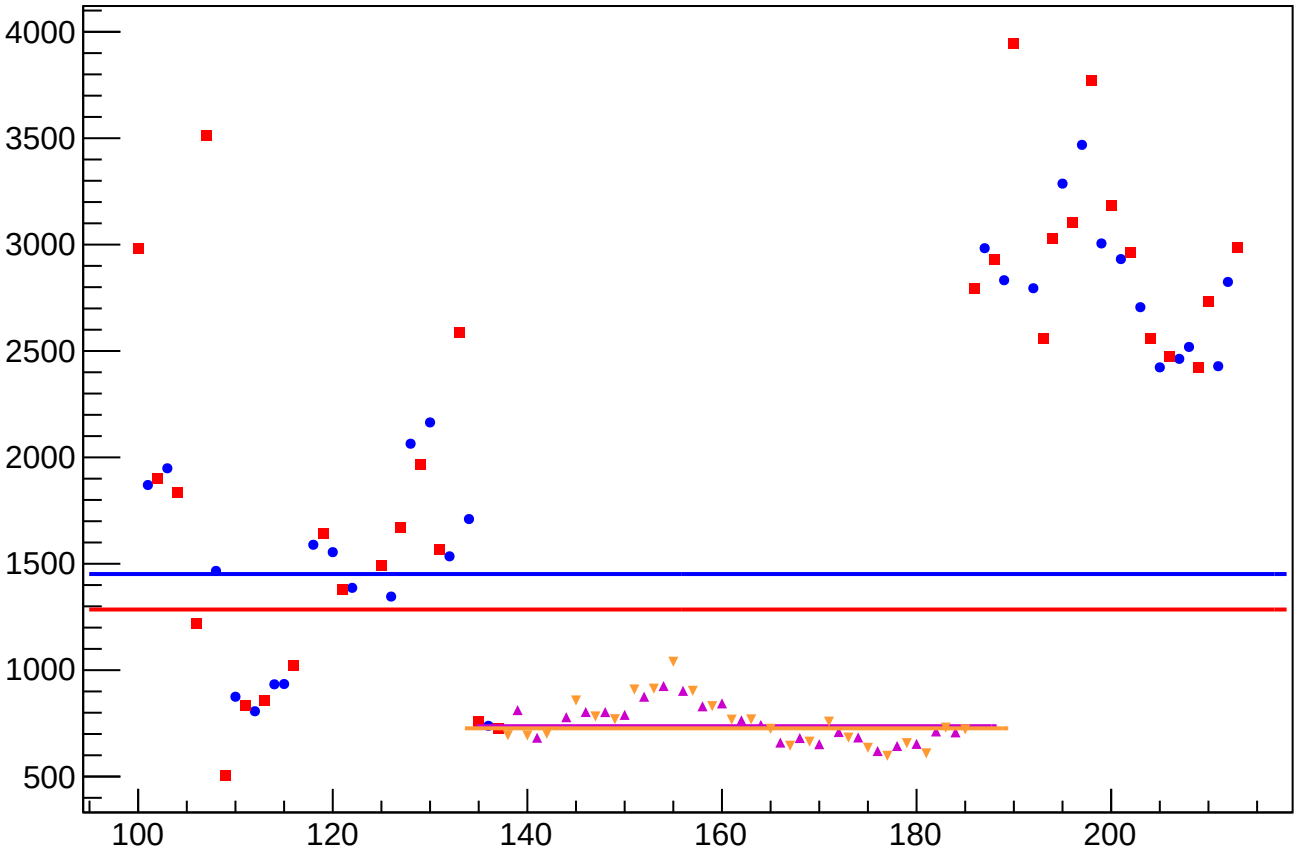
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

Right: 119.152+/-266.431 χ^2/NDF: 66.8/60

In: 51.613+/-158.891 χ^2/NDF:65.1/51

Out: -411.035+/-154.155 χ^2/NDF:97.6/55

All: -186.709+/-110.641 χ^2/NDF: 167.0/107



Right In: 1451.778+/-0.280 χ^2/NDF: 7834158.9/28

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

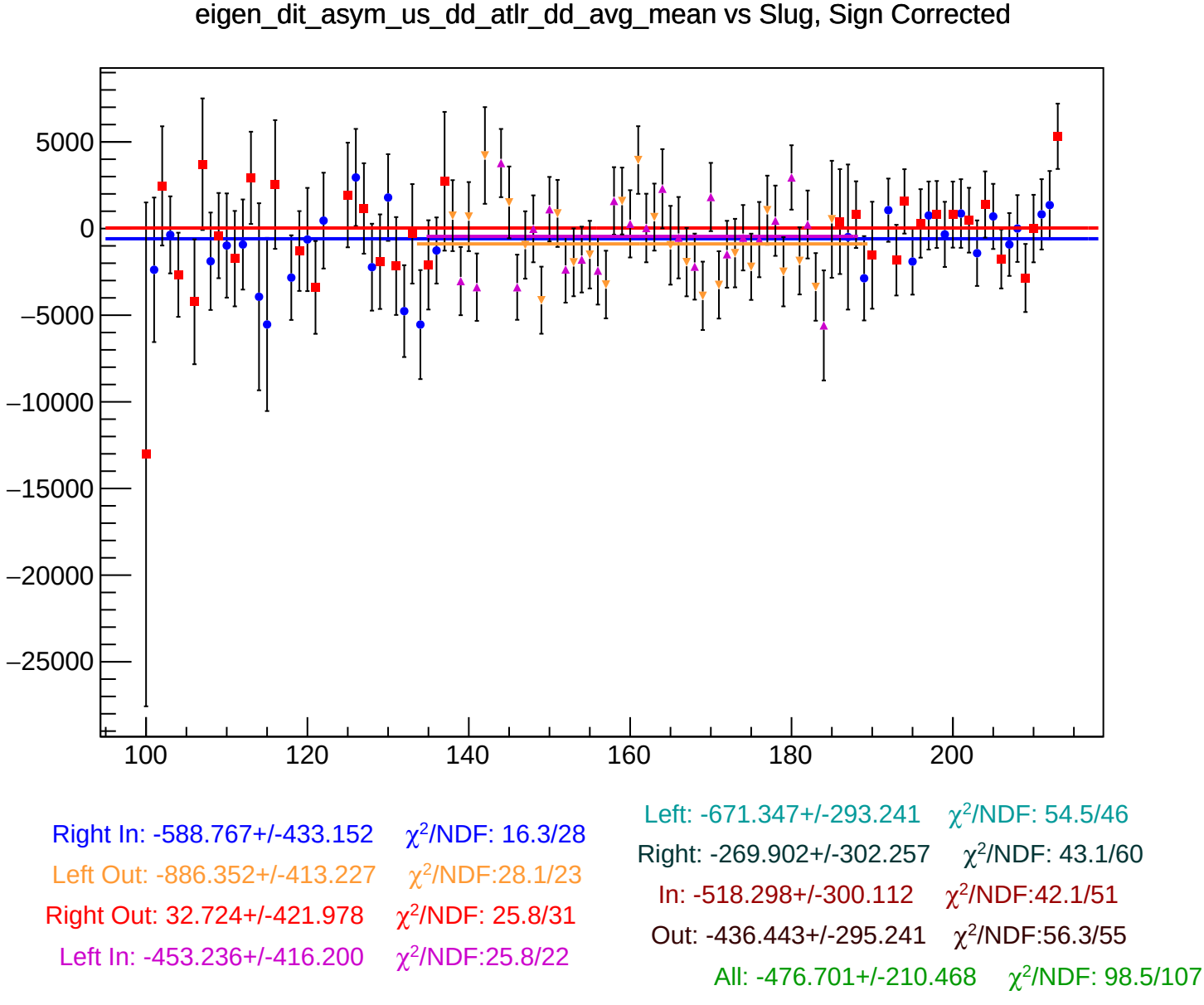
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1360.359+/-0.188 χ^2/NDF: 19432073.0/60

In: 851.611+/-0.112 χ^2/NDF:13762170.5/51

Out: 829.084+/-0.109 χ^2/NDF:16020959.0/55

All: 840.007+/-0.078 χ^2/NDF: 29803839.5/10


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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−5000
−10000
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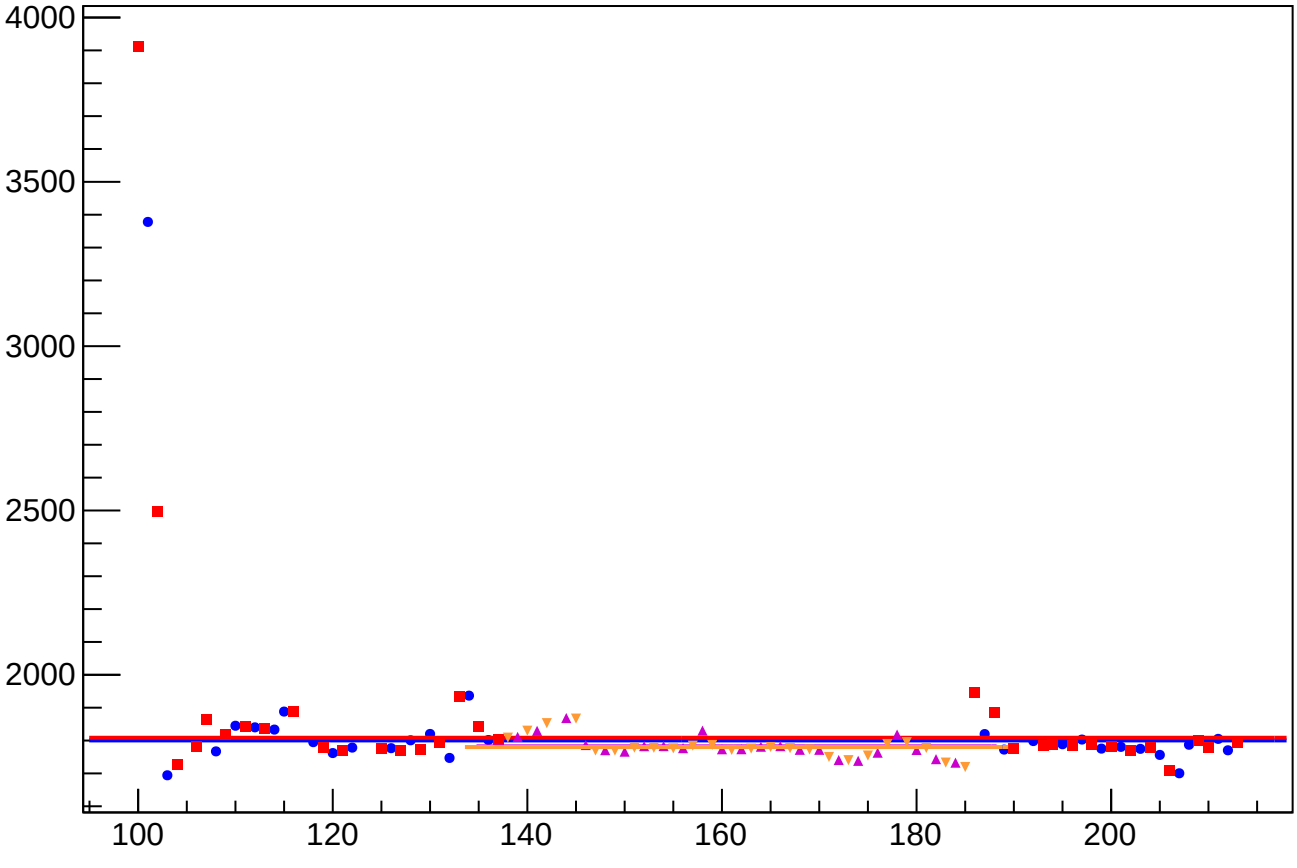
Right In: -588.767+/-433.152 χ²/NDF: 16.3/28
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: 32.724+/-421.978 χ²/NDF: 25.8/31
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -269.902+/-302.257 χ²/NDF: 43.1/60
In: -518.298+/-300.112 χ²/NDF:42.1/51
Out: -436.443+/-295.241 χ²/NDF:56.3/55
All: -476.701+/-210.468 χ²/NDF: 98.5/107



Right In: 1800.416+/-0.306 χ^2/NDF: 307011.7/28

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

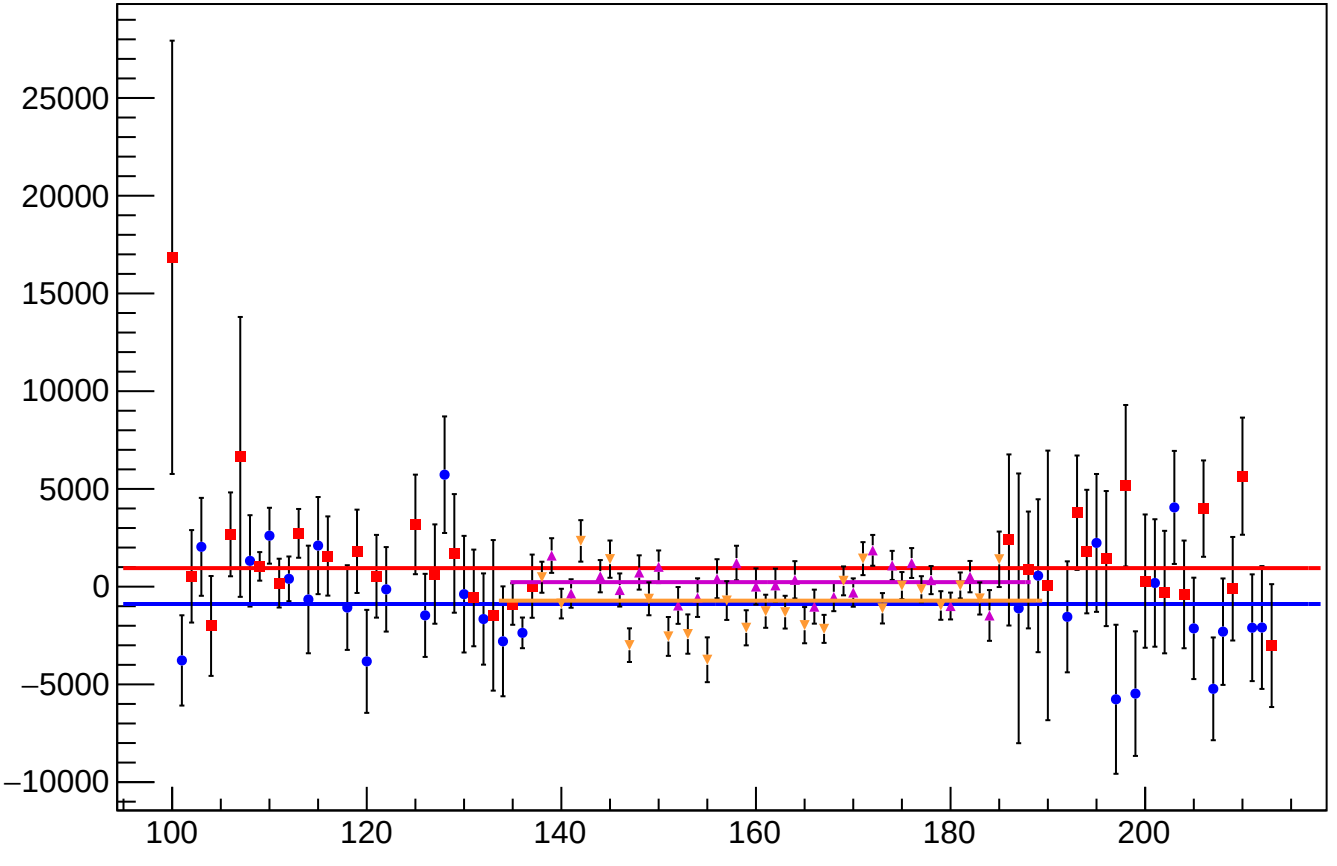
Right: 1804.556+/-0.214 χ^2/NDF: 457155.2/60

In: 1790.996+/-0.212 χ^2/NDF:320063.2/51

Out: 1794.057+/-0.209 χ^2/NDF:164748.4/55

All: 1792.551+/-0.149 χ^2/NDF: 484917.4/107

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -887.036+/-396.379 χ^2/NDF: 34.3/28

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

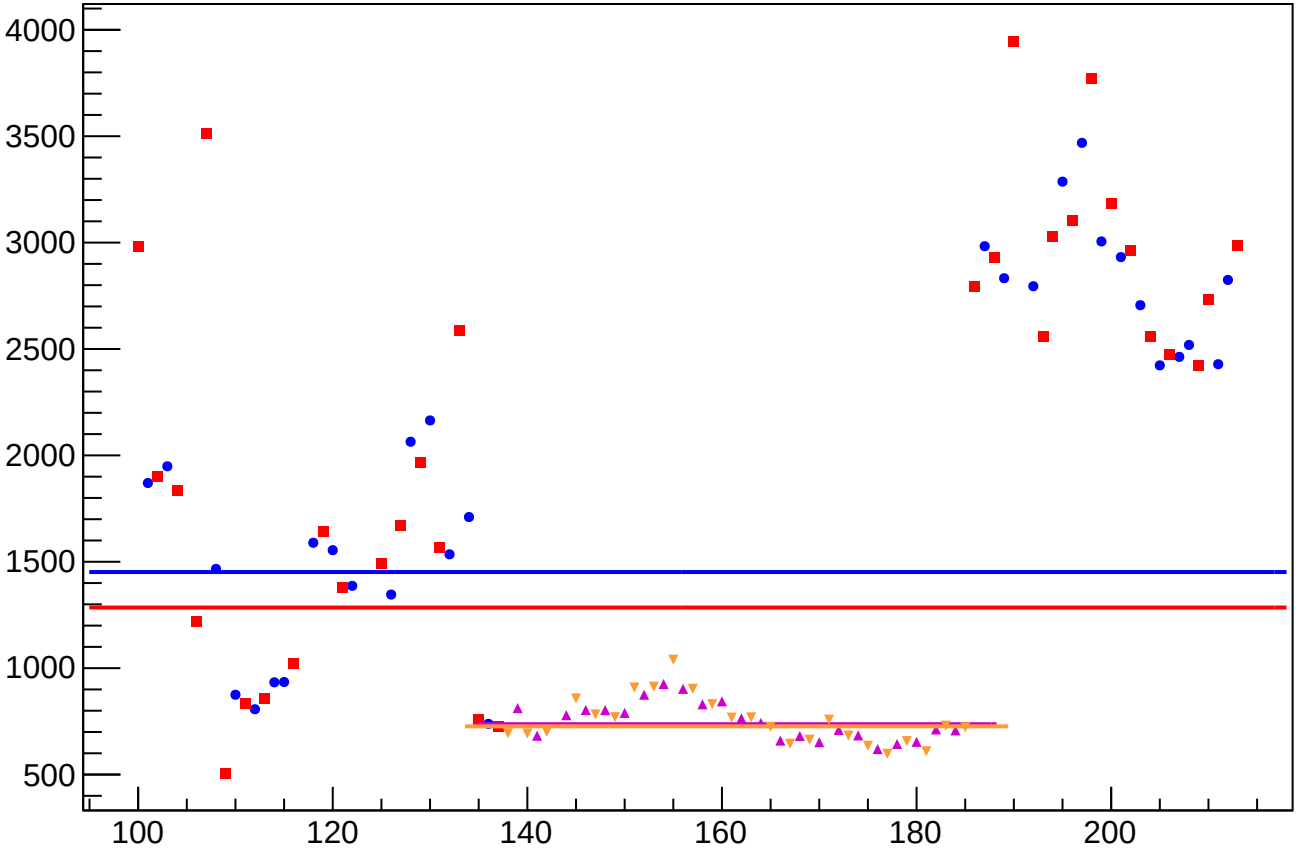
Right: 119.160+/-266.431 χ^2/NDF: 66.8/60

In: 51.614+/-158.891 χ^2/NDF:65.1/51

Out: -411.035+/-154.155 χ^2/NDF:97.6/55

All: -186.709+/-110.641 χ^2/NDF: 167.0/107

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1451.780+/-0.280 χ^2/NDF: 7834104.9/28

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1285.017+/-0.254 χ^2/NDF: 11403808.8/31

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

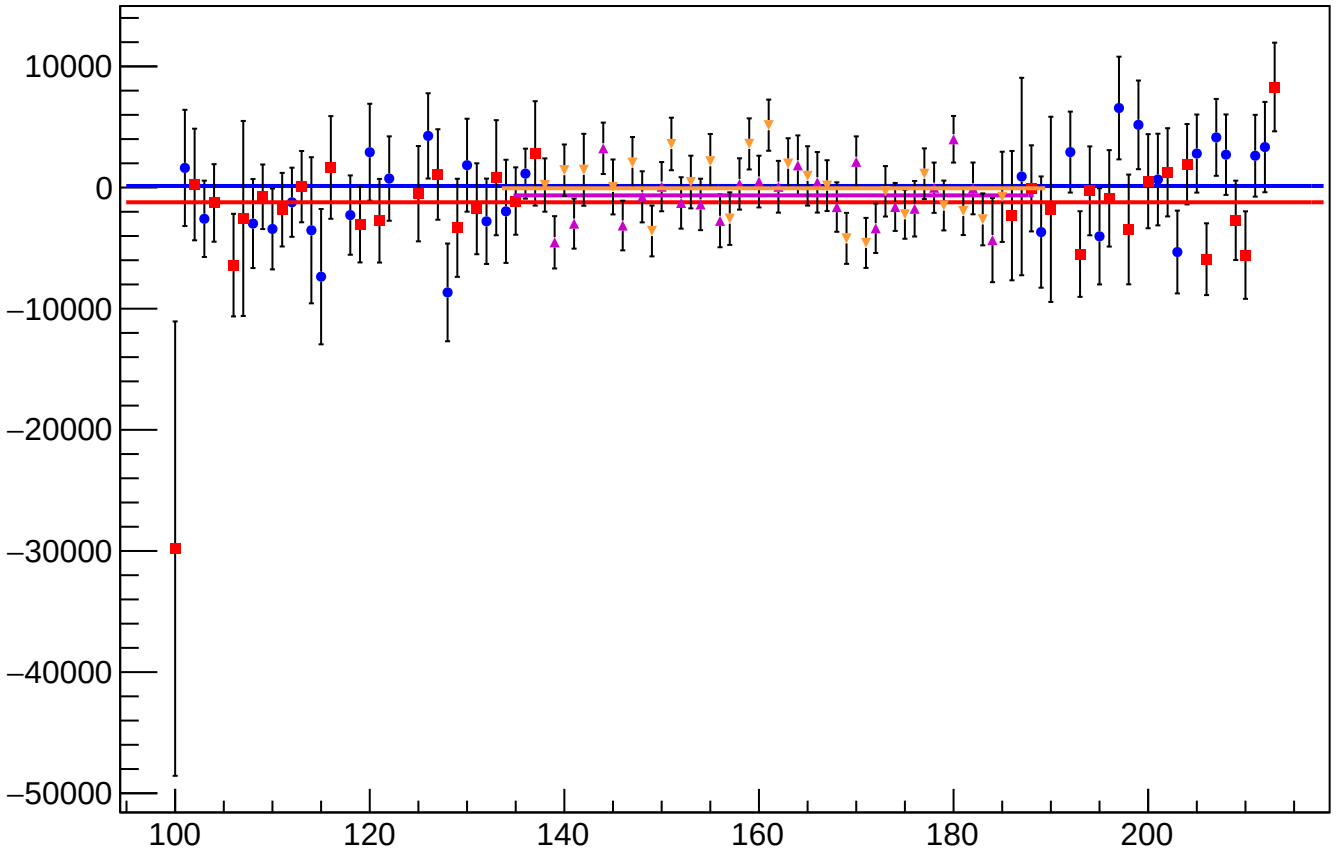
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1360.361+/-0.188 χ^2/NDF: 19431977.6/60

In: 851.611+/-0.112 χ^2/NDF:13762172.9/51

Out: 829.084+/-0.109 χ^2/NDF:16020939.0/55

All: 840.007+/-0.078 χ^2/NDF: 29803820.2/10



Right In: 129.677+/-665.626 χ^2/NDF: 27.1/28

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

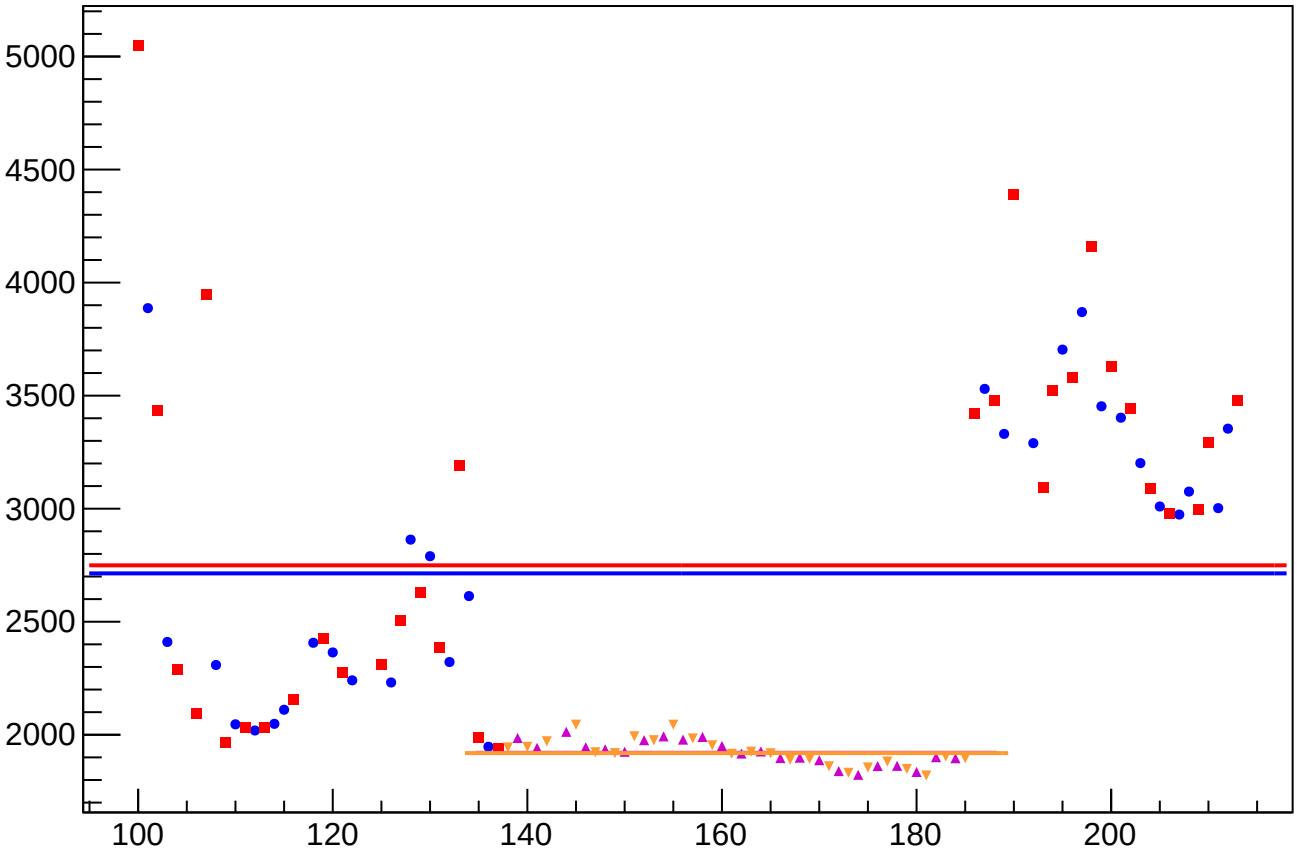
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -550.204+/-467.999 χ^2/NDF: 50.5/60

In: -404.395+/-371.967 χ^2/NDF:51.7/51

Out: -422.723+/-368.983 χ^2/NDF:56.5/55

All: -413.633+/-261.959 χ^2/NDF: 108.2/107



Right In: 2713.834+/-0.471 χ^2/NDF: 1527067.8/28

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

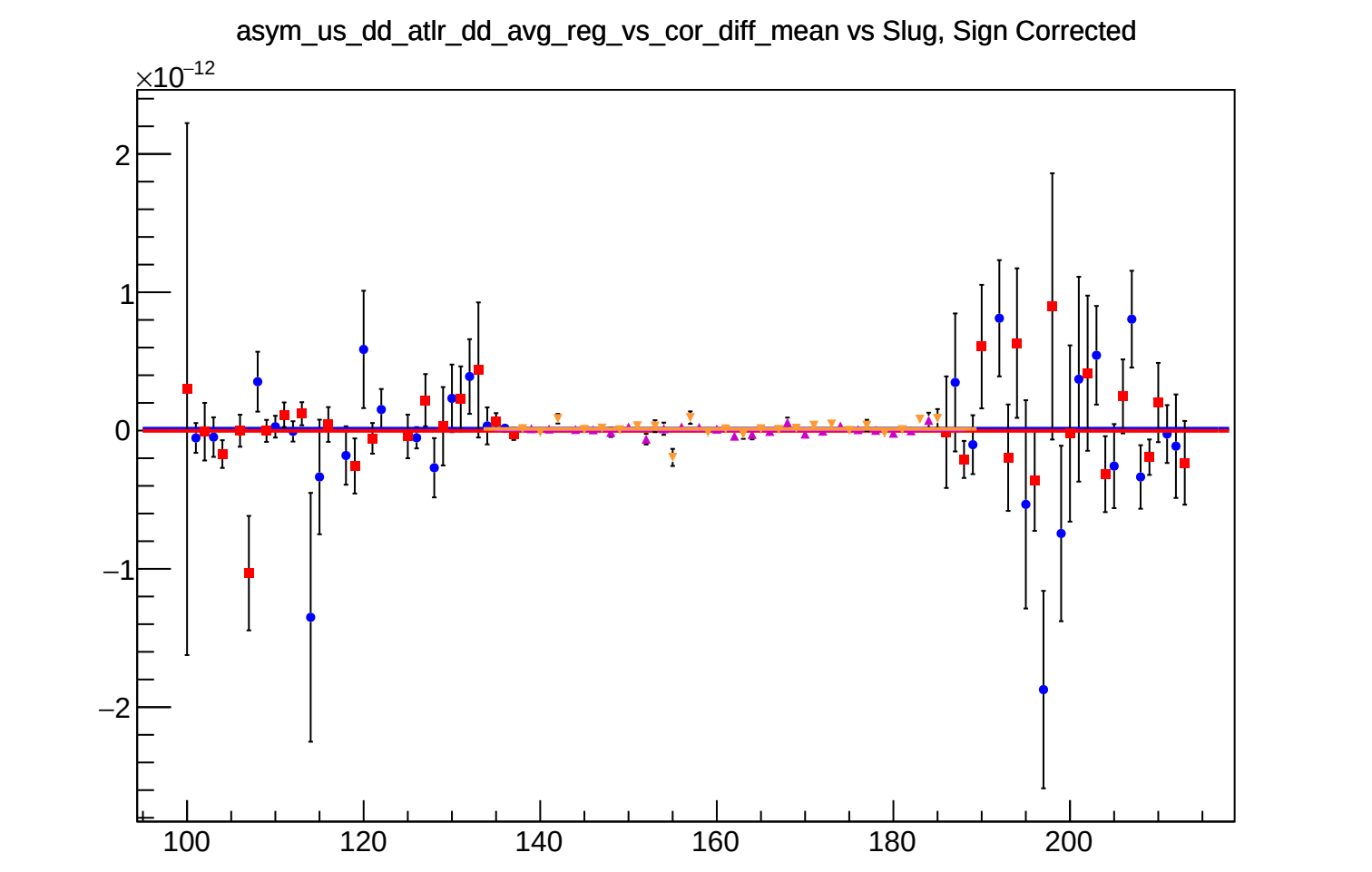
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2731.846+/-0.331 χ^2/NDF: 3473303.9/60

In: 2168.049+/-0.263 χ^2/NDF:3512243.9/51

Out: 2180.017+/-0.261 χ^2/NDF:4162525.8/55

All: 2174.081+/-0.185 χ^2/NDF: 7675813.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 39.1/28

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

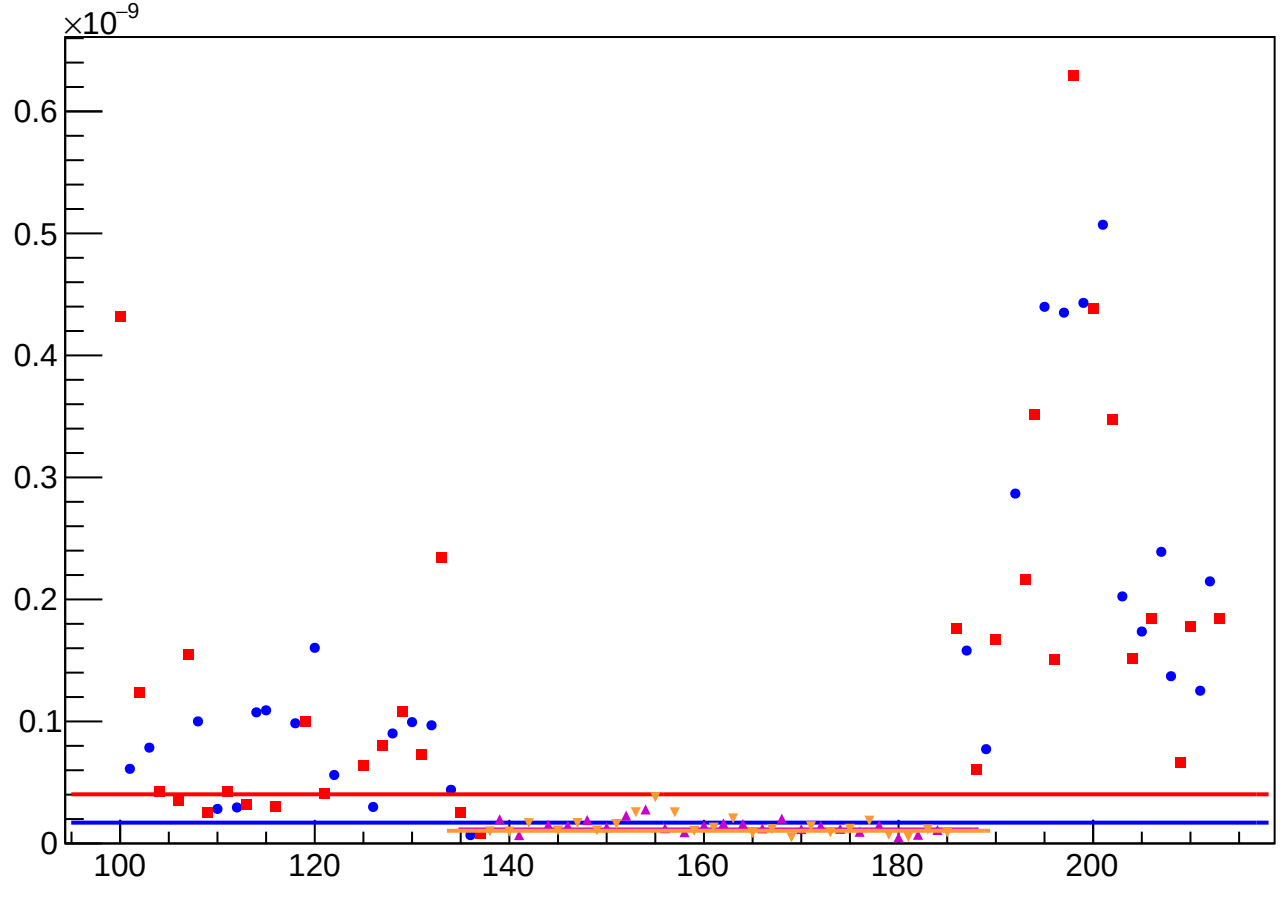
Right: 0.000+/-0.000 χ^2/NDF: 72.9/60

In: 0.000+/-0.000 χ^2/NDF:59.2/51

Out: 0.000+/-0.000 χ^2/NDF:72.0/55

All: 0.000+/-0.000 χ^2/NDF: 132.3/107

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11295244.0/28

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

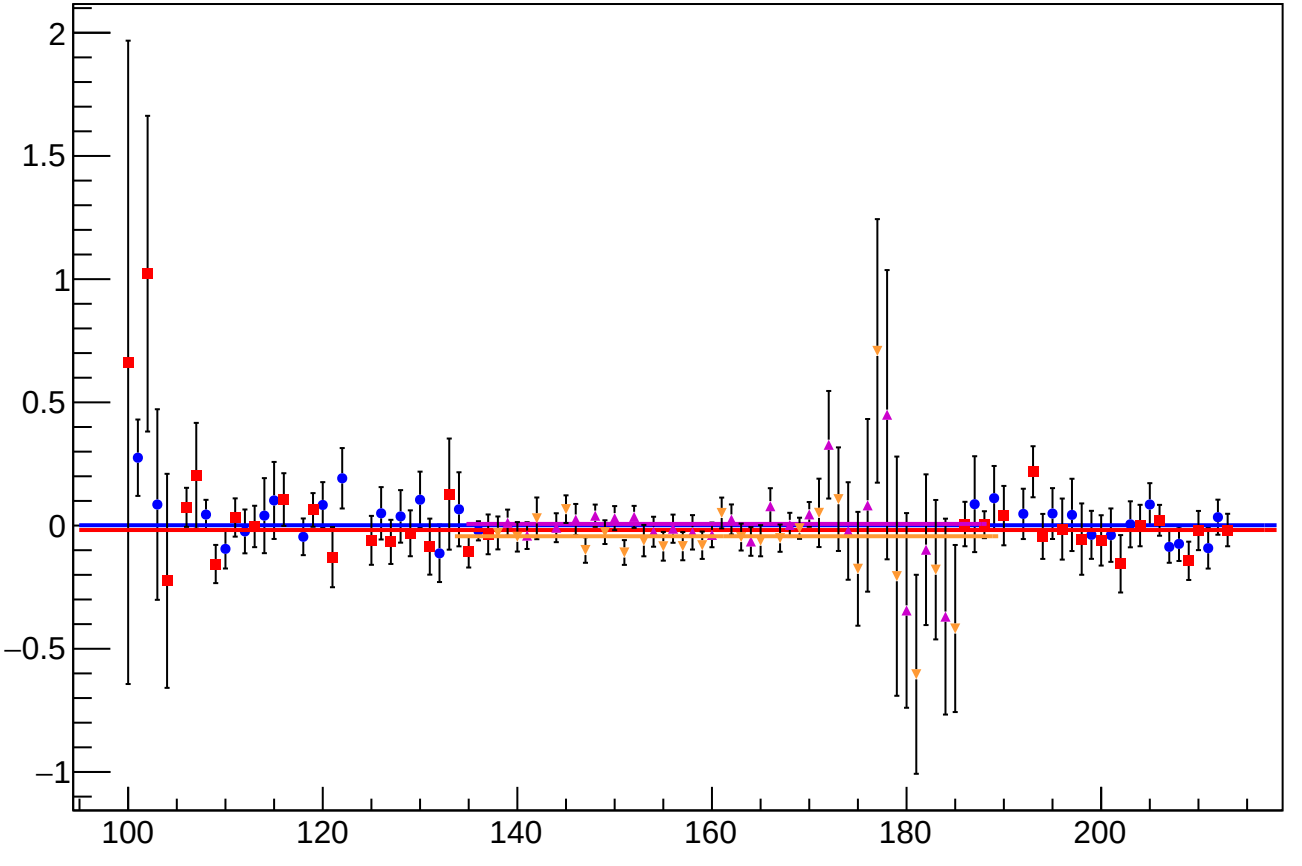
Right: 0.000+/-0.000 χ^2/NDF: 21224132.0/60

In: 0.000+/-0.000 χ^2/NDF:13479022.9/51

Out: 0.000+/-0.000 χ^2/NDF:13778183.0/55

All: 0.000+/-0.000 χ^2/NDF: 27267515.3/107

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 19.1/28

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

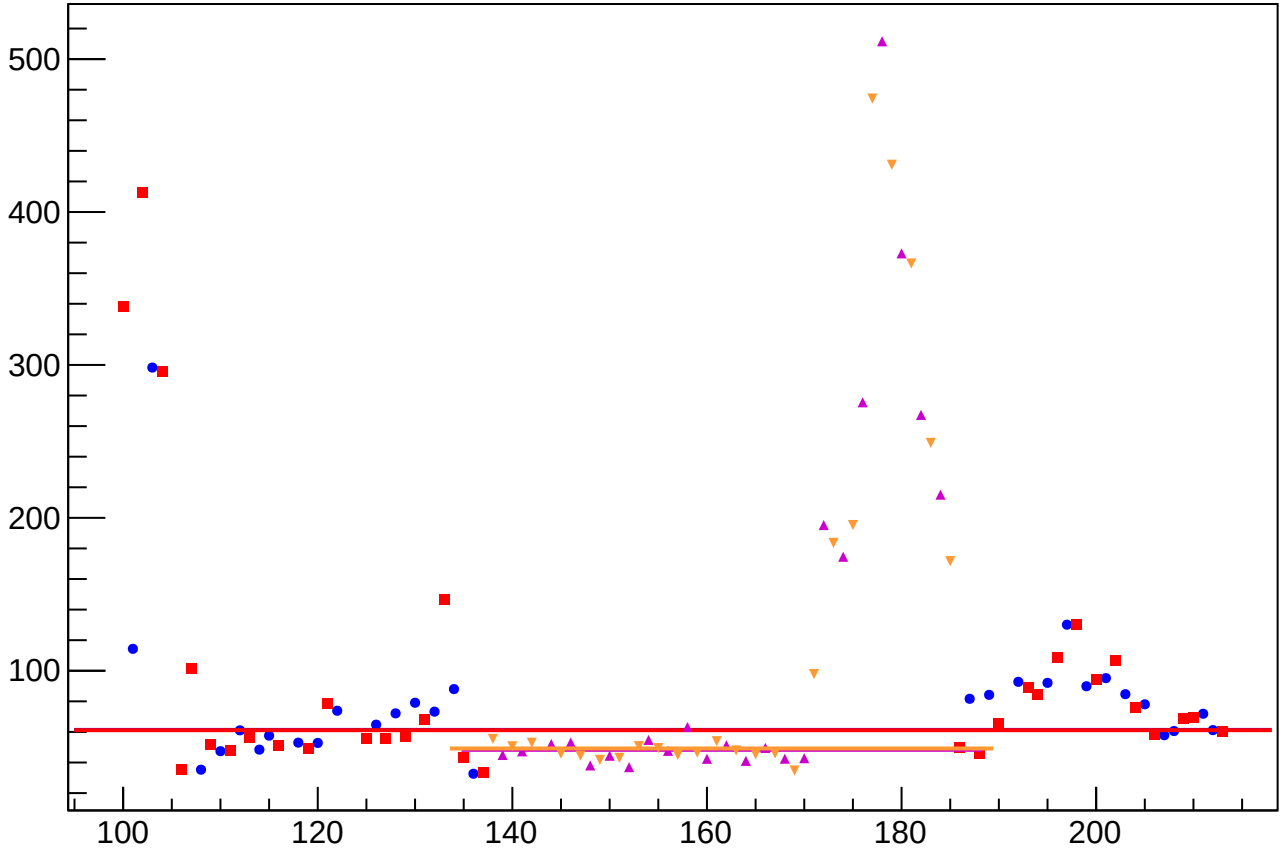
Right: -0.009+/-0.012 χ^2/NDF: 46.2/60

In: 0.005+/-0.010 χ^2/NDF:30.4/51

Out: -0.033+/-0.011 χ^2/NDF:46.7/55

All: -0.014+/-0.007 χ^2/NDF: 83.3/107

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.319+/-0.012 χ^2/NDF: 4239223.5/28

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

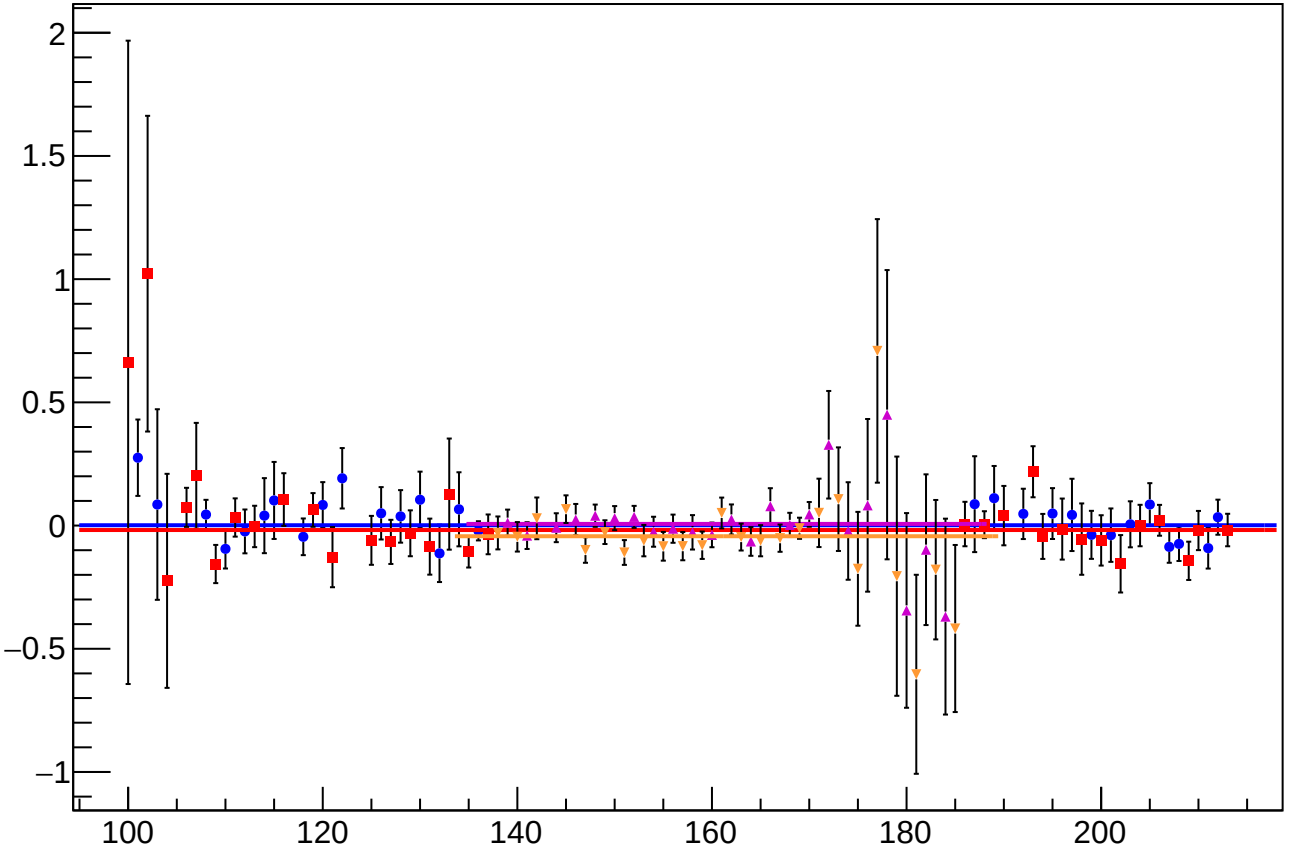
Right: 61.234+/-0.008 χ^2/NDF: 8557739.5/60

In: 53.507+/-0.007 χ^2/NDF:12019963.0/51

Out: 54.286+/-0.007 χ^2/NDF:12200818.7/55

All: 53.894+/-0.005 χ^2/NDF: 24226282.0/107

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 19.1/28

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

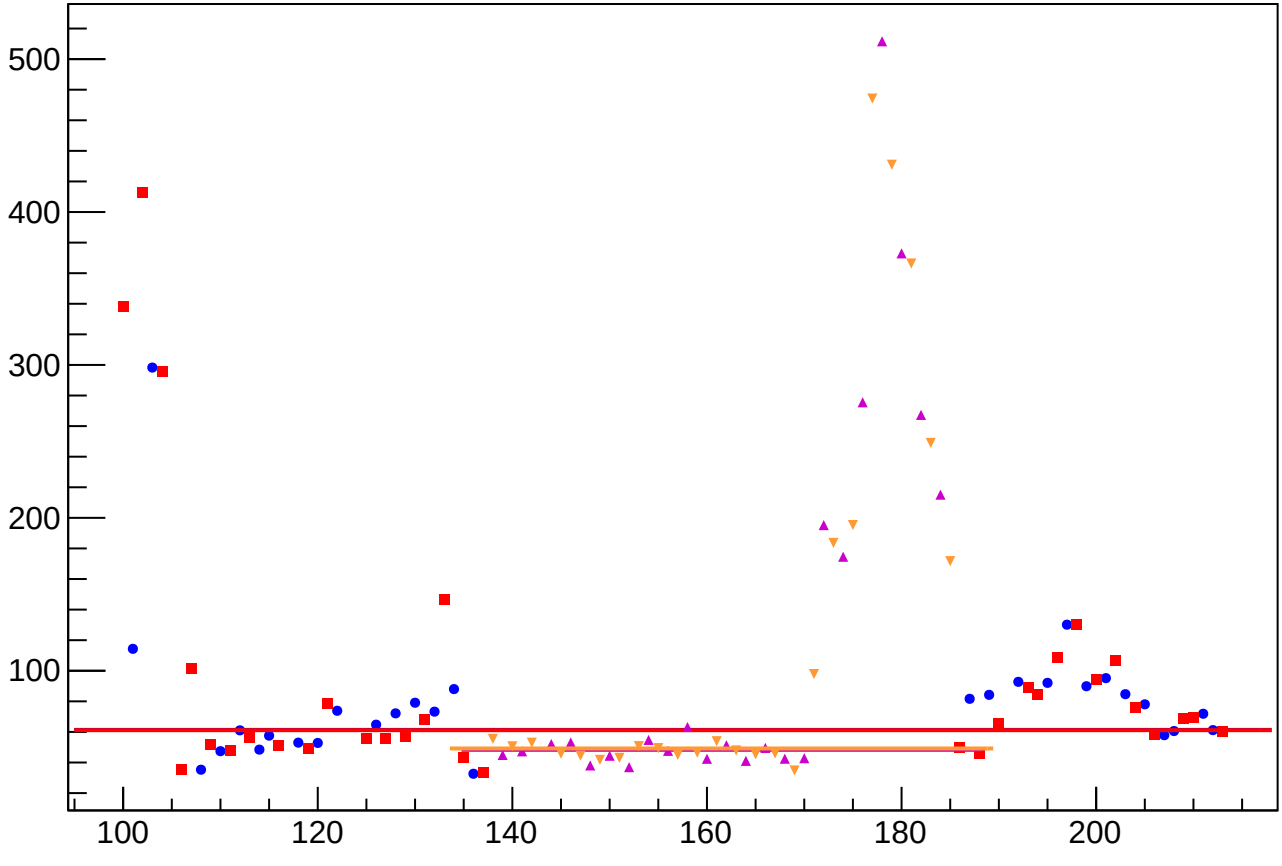
Right: -0.009+/-0.012 χ^2/NDF: 46.2/60

In: 0.005+/-0.010 χ^2/NDF:30.4/51

Out: -0.033+/-0.011 χ^2/NDF:46.7/55

All: -0.014+/-0.007 χ^2/NDF: 83.3/107

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.319+/-0.012 χ^2/NDF: 4239223.5/28

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

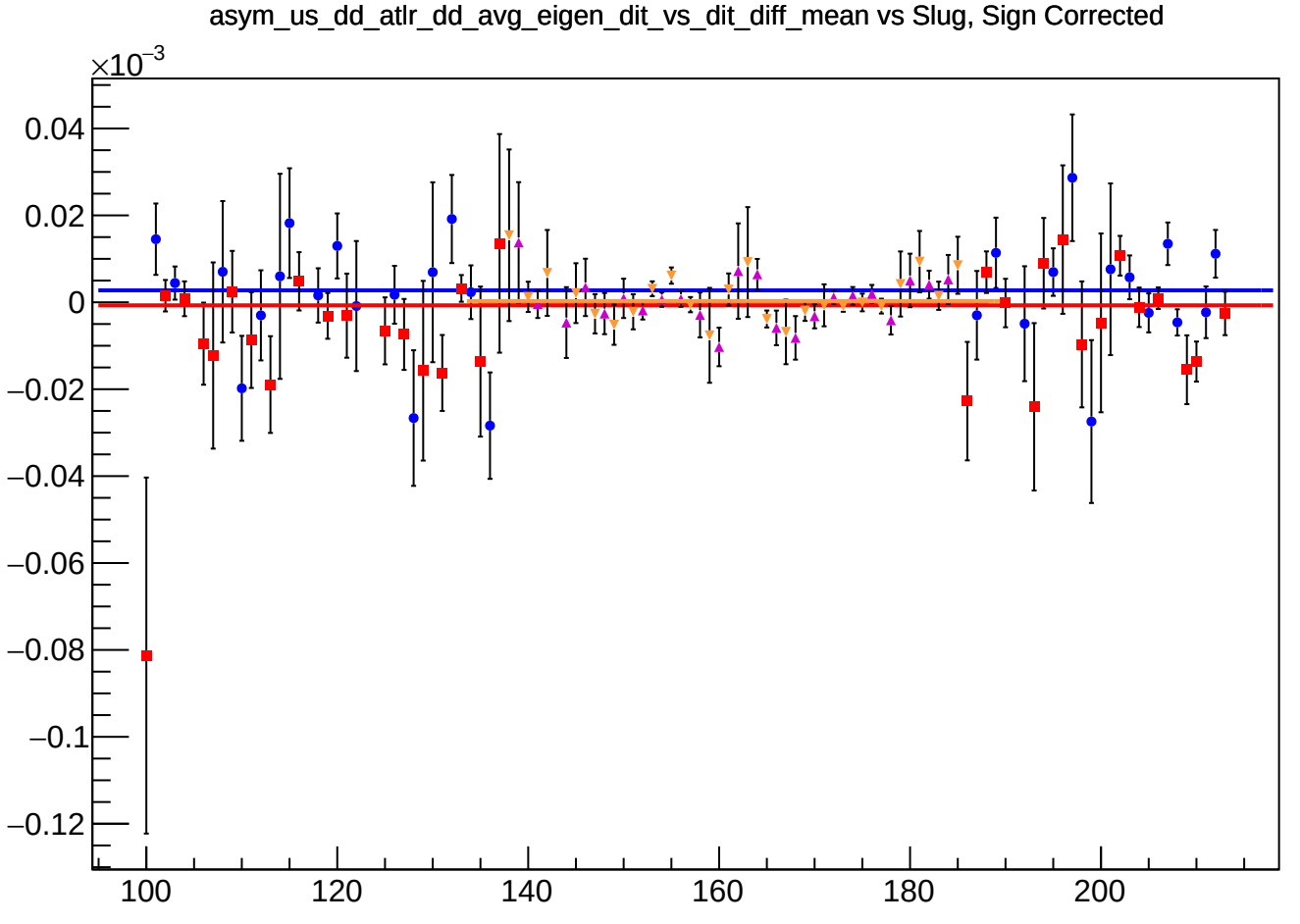
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 61.234+/-0.008 χ^2/NDF: 8557739.5/60

In: 53.507+/-0.007 χ^2/NDF:12019963.0/51

Out: 54.286+/-0.007 χ^2/NDF:12200818.7/55

All: 53.894+/-0.005 χ^2/NDF: 24226282.0/107



Right In: 0.000+/-0.000 χ^2/NDF: 46.0/28

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

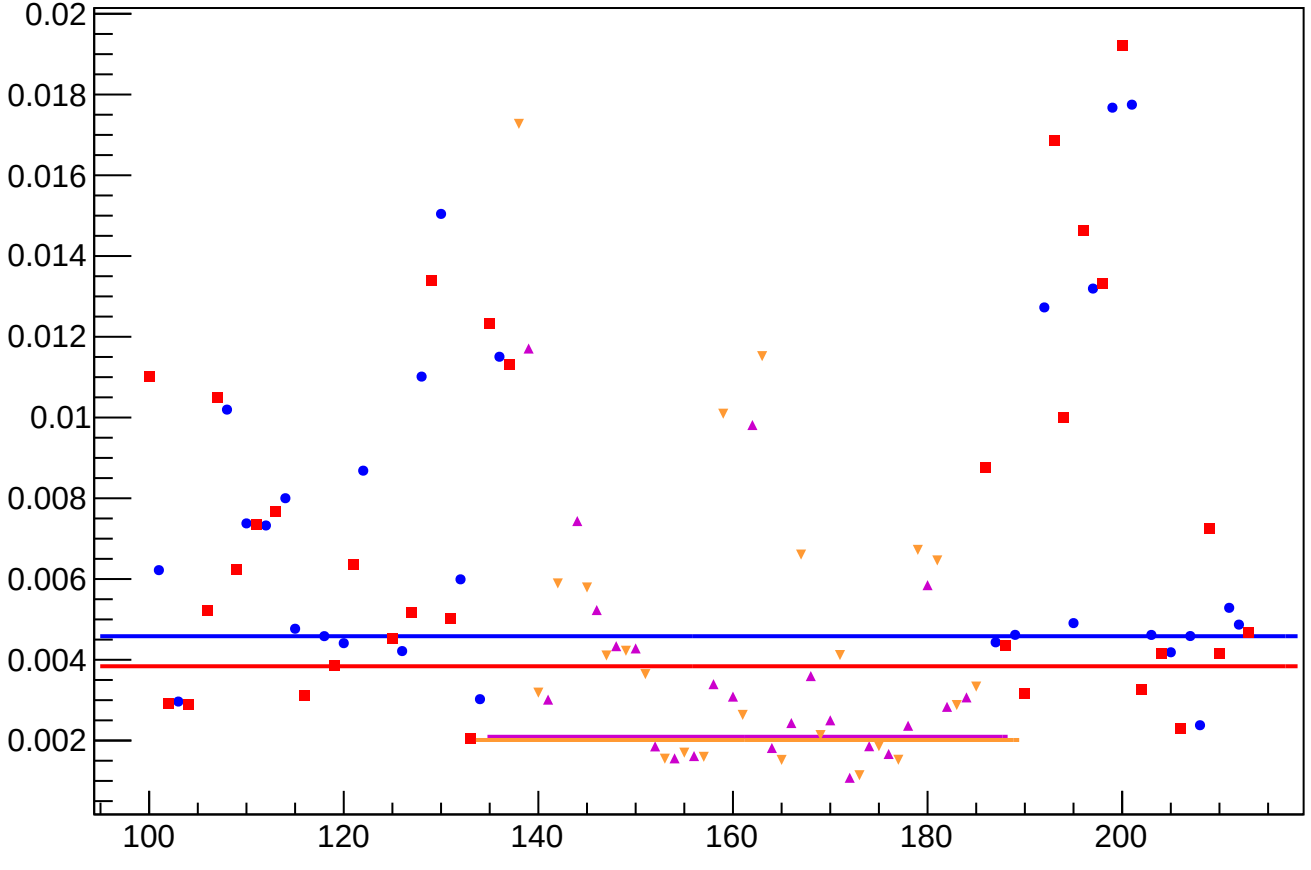
Right: 0.000+/-0.000 χ^2/NDF: 94.5/60

In: 0.000+/-0.000 χ^2/NDF:74.6/51

Out: 0.000+/-0.000 χ^2/NDF:73.7/55

All: 0.000+/-0.000 χ^2/NDF: 148.9/107

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 7225379.6/28

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

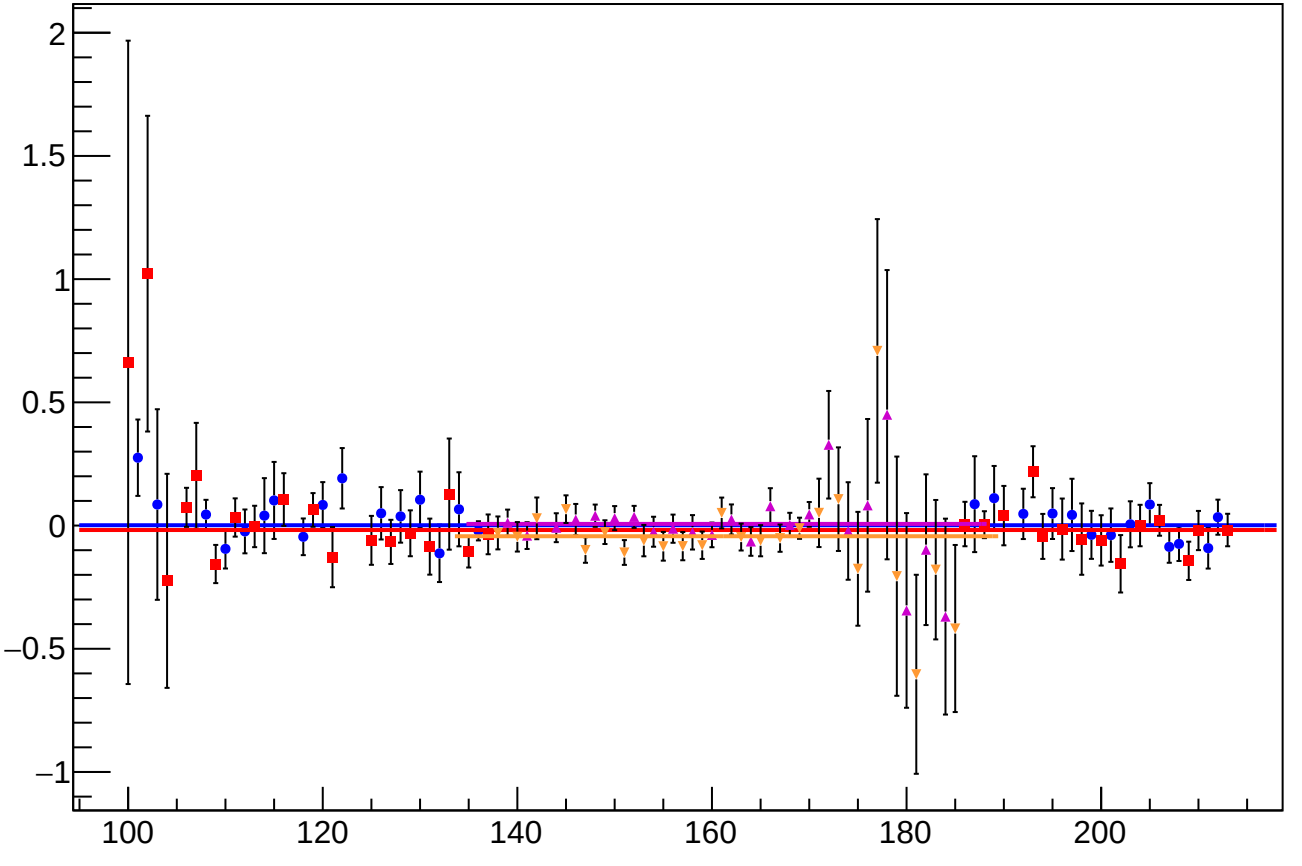
Right: 0.004+/-0.000 χ^2/NDF: 16701601.4/60

In: 0.003+/-0.000 χ^2/NDF:20524494.8/51

Out: 0.002+/-0.000 χ^2/NDF:23890892.3/55

All: 0.002+/-0.000 χ^2/NDF: 44483080.4/107

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 19.1/28

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

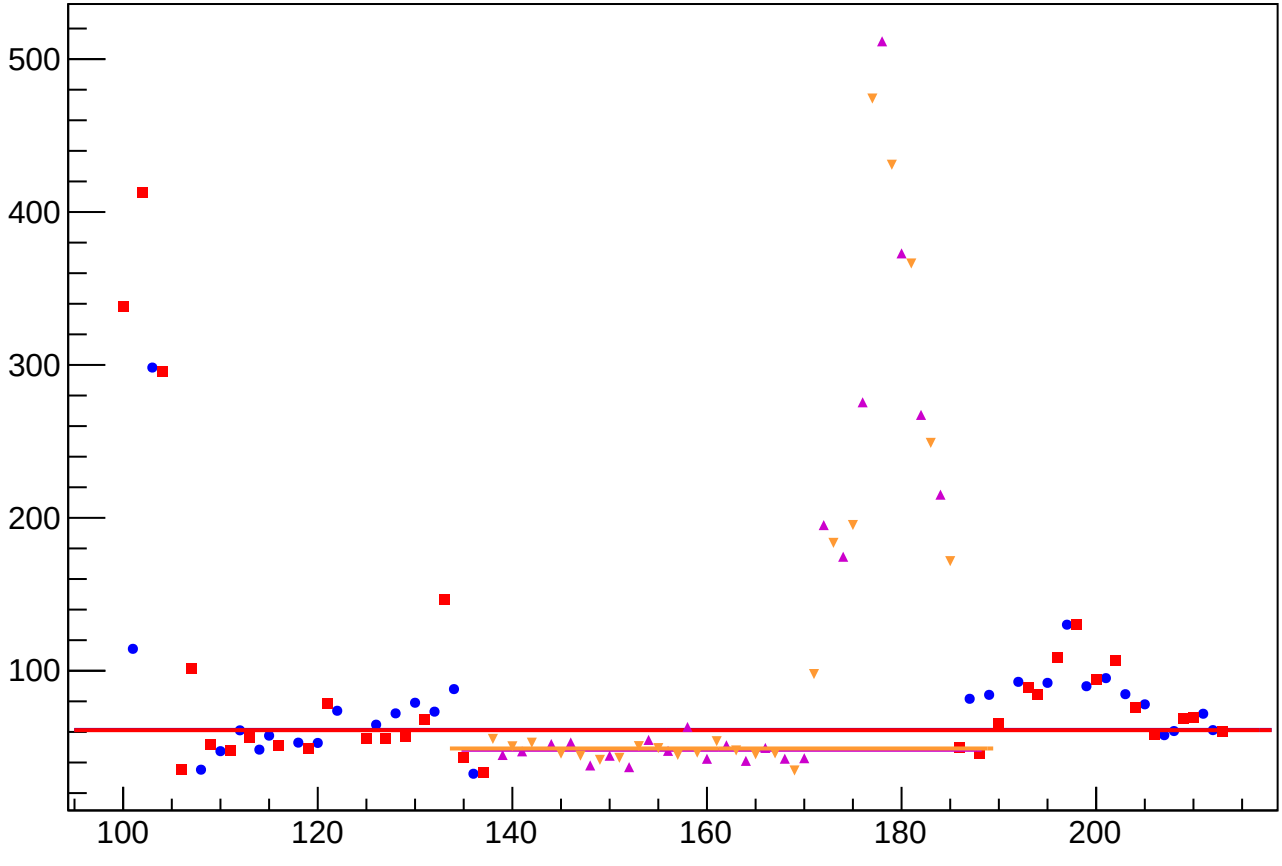
Right: -0.009+/-0.012 χ^2/NDF: 46.2/60

In: 0.005+/-0.010 χ^2/NDF:30.4/51

Out: -0.033+/-0.011 χ^2/NDF:46.7/55

All: -0.014+/-0.007 χ^2/NDF: 83.3/107

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.319+/-0.012 χ^2/NDF: 4239072.5/28

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

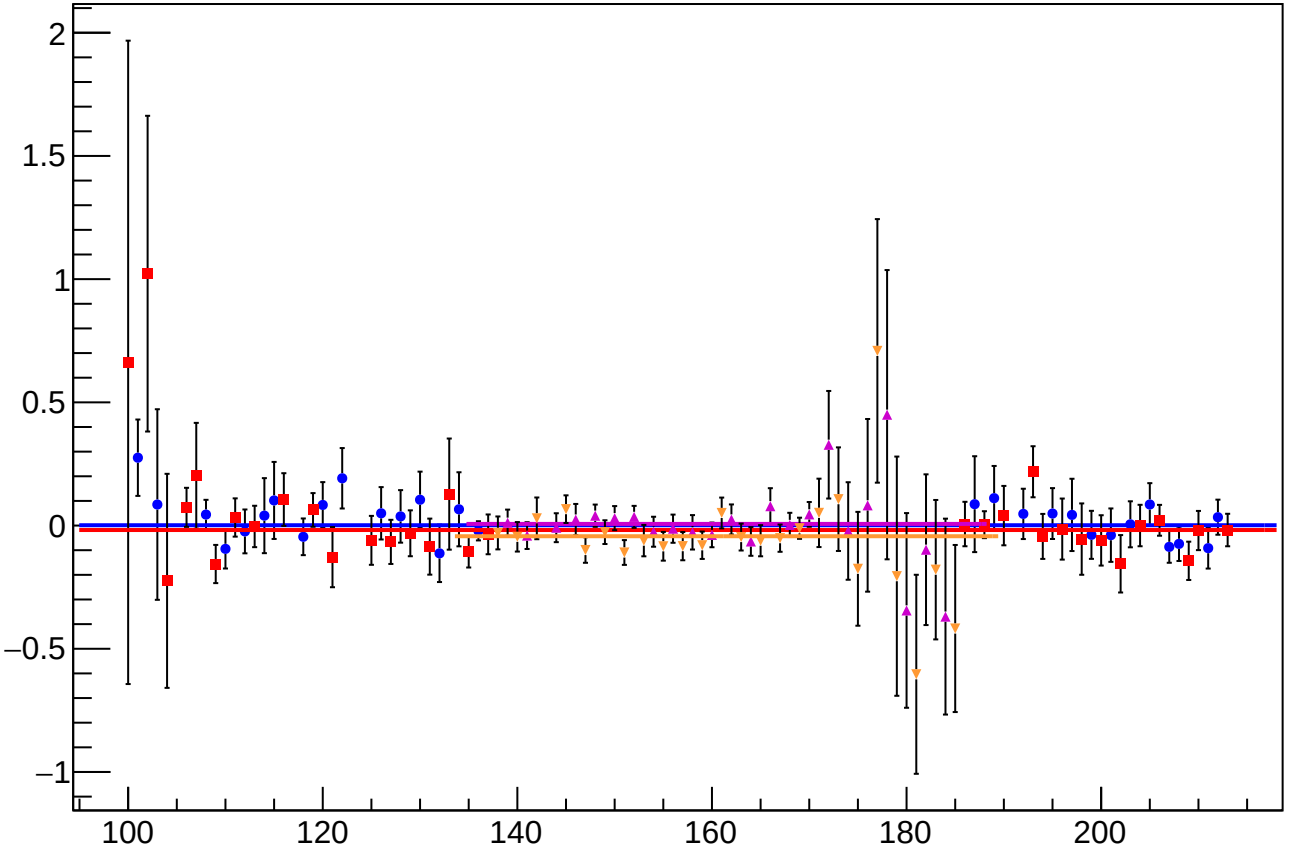
Right: 61.234+/-0.008 χ^2/NDF: 8557445.8/60

In: 53.507+/-0.007 χ^2/NDF:12019727.9/51

Out: 54.286+/-0.007 χ^2/NDF:12200778.5/55

All: 53.894+/-0.005 χ^2/NDF: 24226002.6/107

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 19.1/28

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

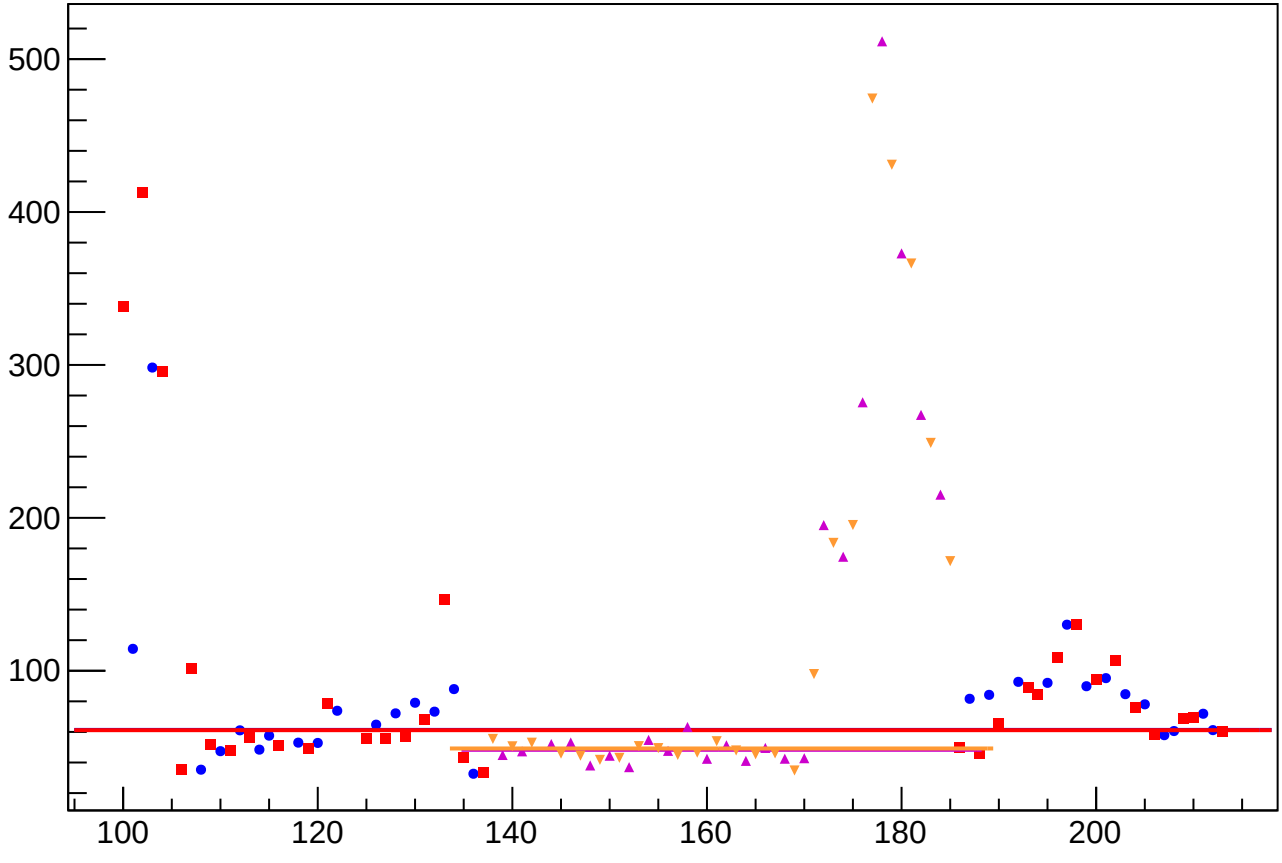
Right: -0.009+/-0.012 χ^2/NDF: 46.2/60

In: 0.005+/-0.010 χ^2/NDF:30.4/51

Out: -0.033+/-0.011 χ^2/NDF:46.7/55

All: -0.014+/-0.007 χ^2/NDF: 83.3/107

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.319+/-0.012 χ^2/NDF: 4239072.5/28

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

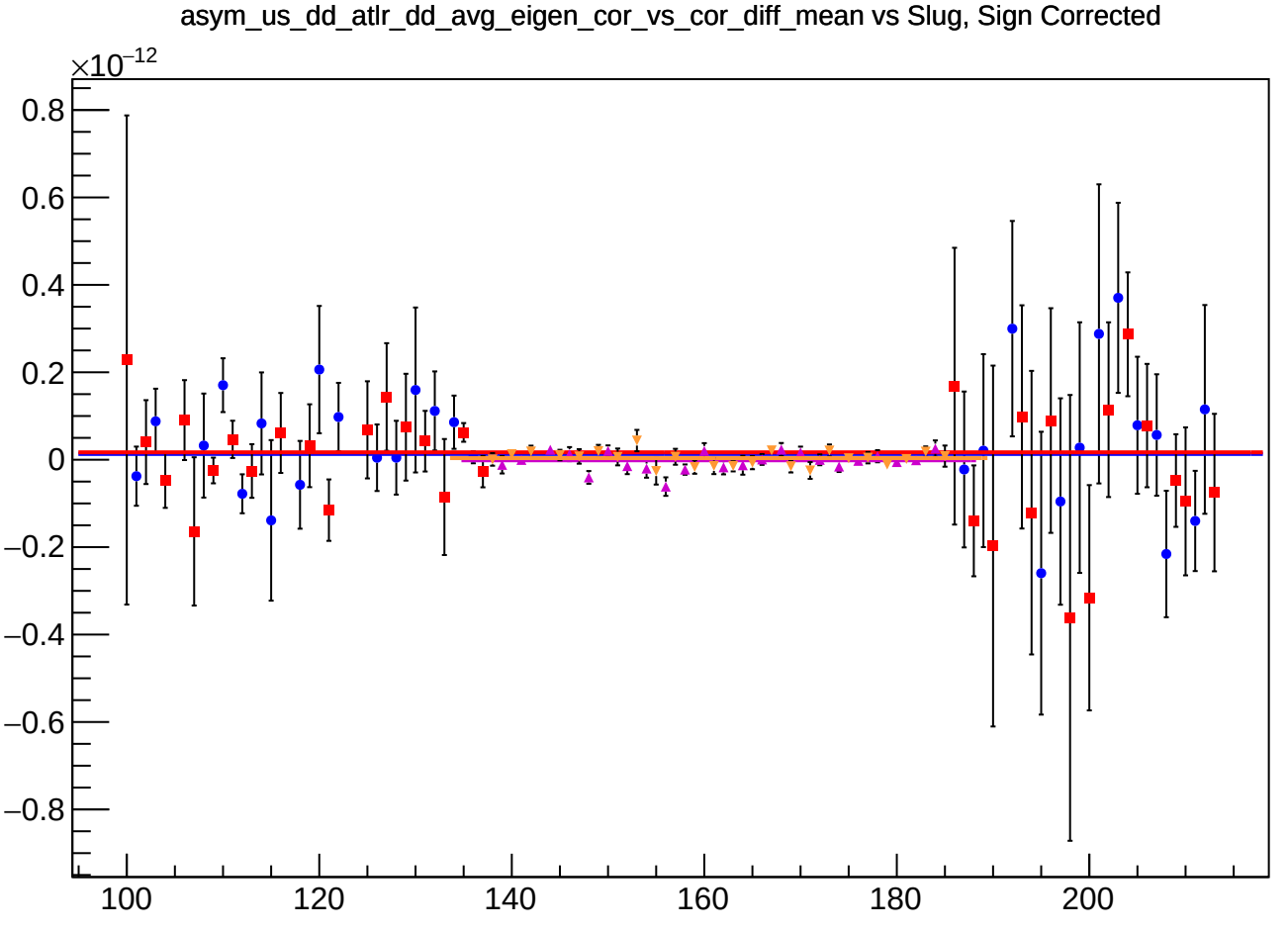
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 61.234+/-0.008 χ^2/NDF: 8557445.8/60

In: 53.507+/-0.007 χ^2/NDF:12019727.9/51

Out: 54.286+/-0.007 χ^2/NDF:12200778.5/55

All: 53.894+/-0.005 χ^2/NDF: 24226002.6/107



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/28

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

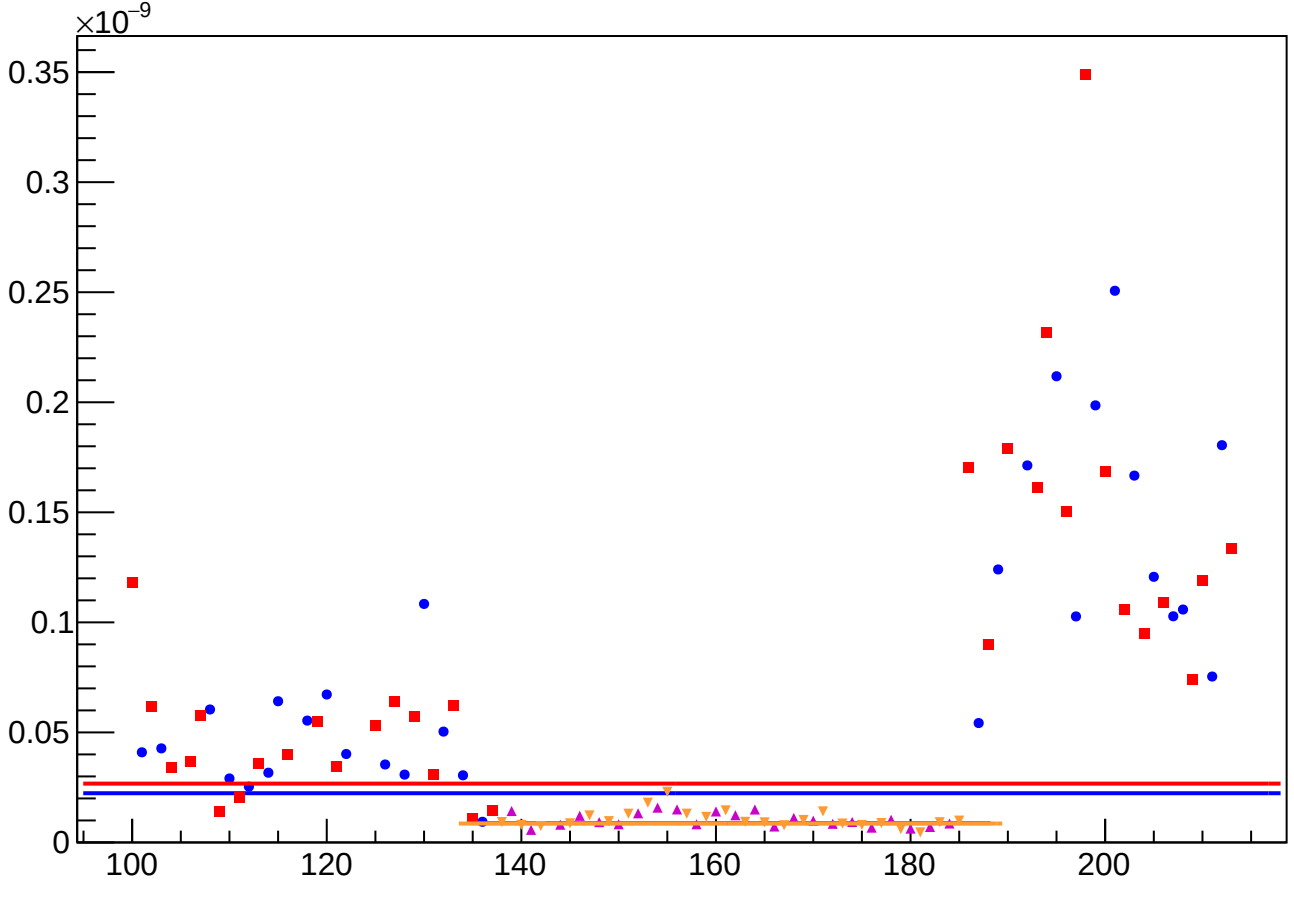
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

Right: 0.000+/-0.000 χ^2/NDF: 58.5/60

In: -0.000+/-0.000 χ^2/NDF:72.4/51

Out: 0.000+/-0.000 χ^2/NDF:53.5/55

All: 0.000+/-0.000 χ^2/NDF: 127.5/107



Right In: 0.000+/-0.000 χ^2/NDF: 11802740.3/28

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

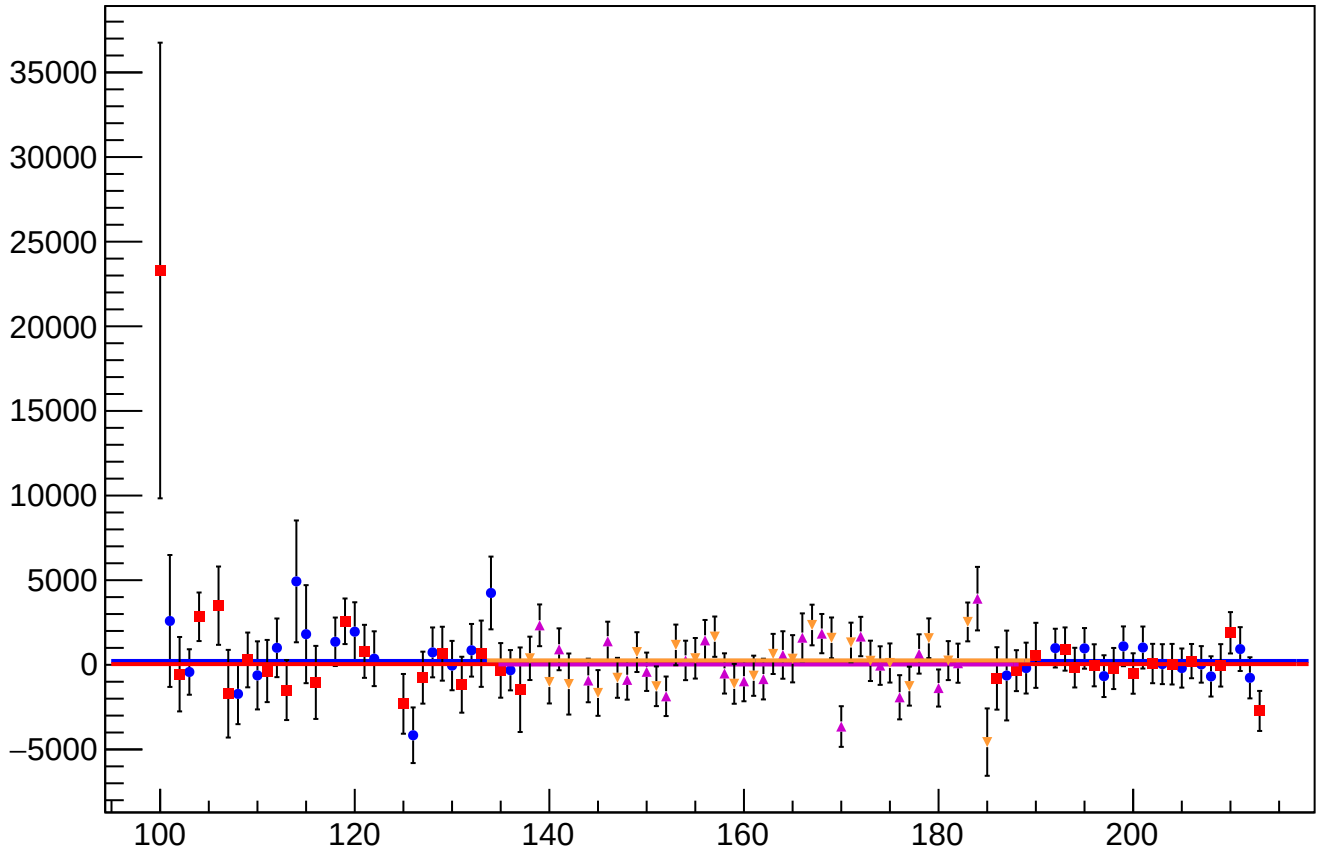
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 22517301.9/60

In: 0.000+/-0.000 χ^2/NDF:16612495.1/51

Out: 0.000+/-0.000 χ^2/NDF:17328649.6/55

All: 0.000+/-0.000 χ^2/NDF: 33942395.5/107



Right In: 227.404+/-268.013 χ^2/NDF: 21.2/28

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

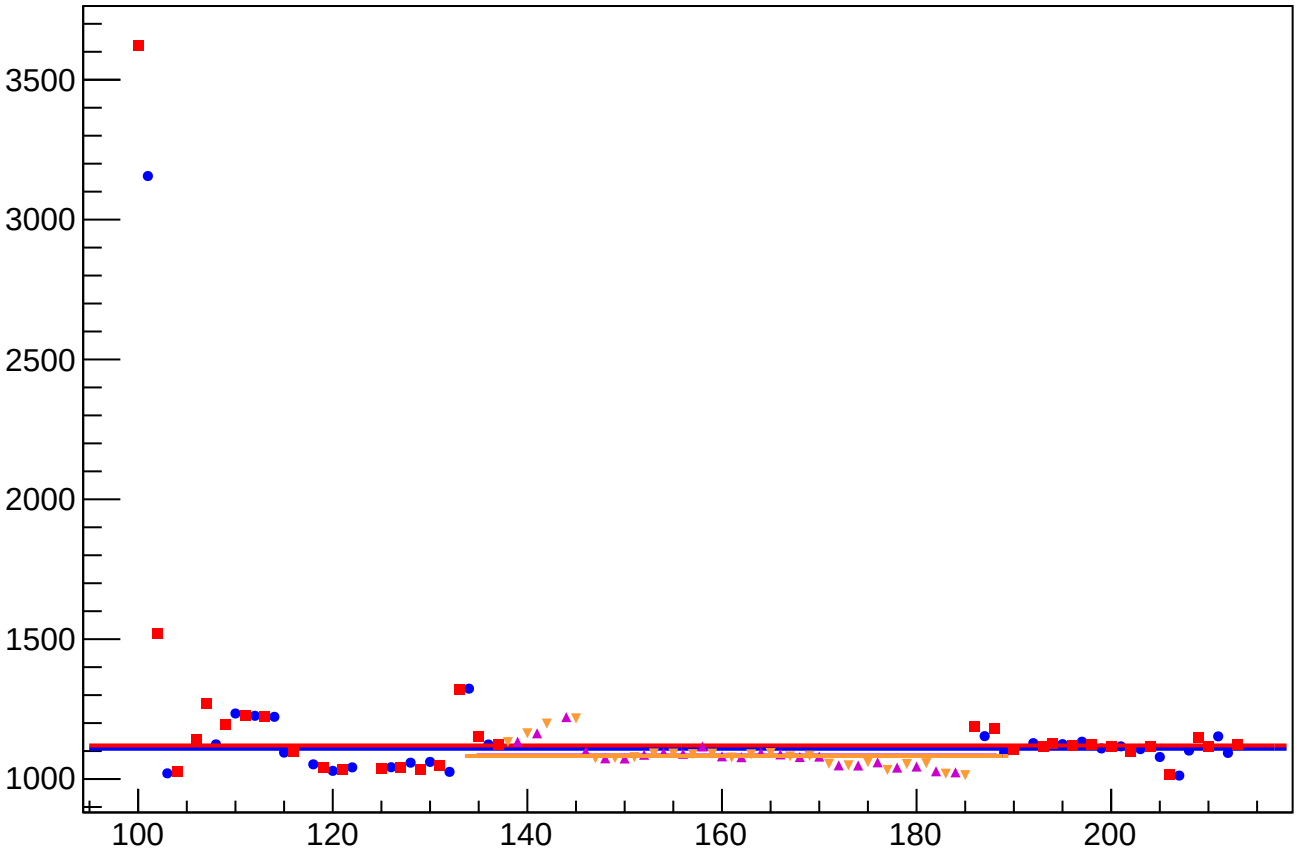
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 132.437+/-187.360 χ^2/NDF: 48.0/60

In: 119.117+/-184.104 χ^2/NDF:57.3/51

Out: 155.688+/-181.406 χ^2/NDF:55.2/55

All: 137.672+/-129.217 χ^2/NDF: 112.5/107



Right In: 1108.231+/-0.190 χ^2/NDF: 646528.7/28

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

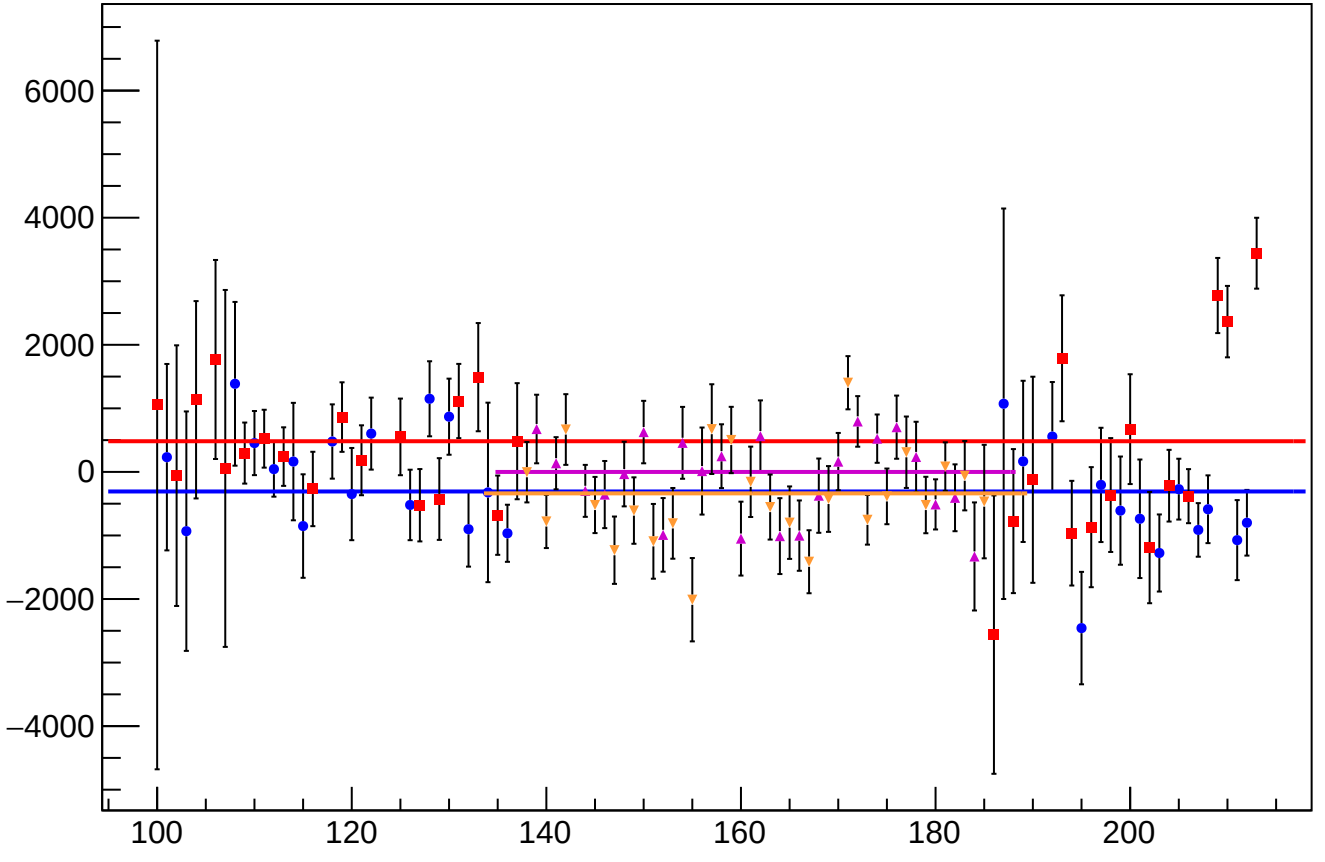
Right: 1114.247+/-0.132 χ^2/NDF: 901084.7/60

In: 1095.522+/-0.130 χ^2/NDF:708483.7/51

Out: 1100.373+/-0.128 χ^2/NDF:332003.5/55

All: 1097.983+/-0.091 χ^2/NDF: 1041191.8/10

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -307.752+/-121.190 χ^2/NDF: 38.2/28

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 482.742+/-121.472 χ^2/NDF: 89.8/31

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

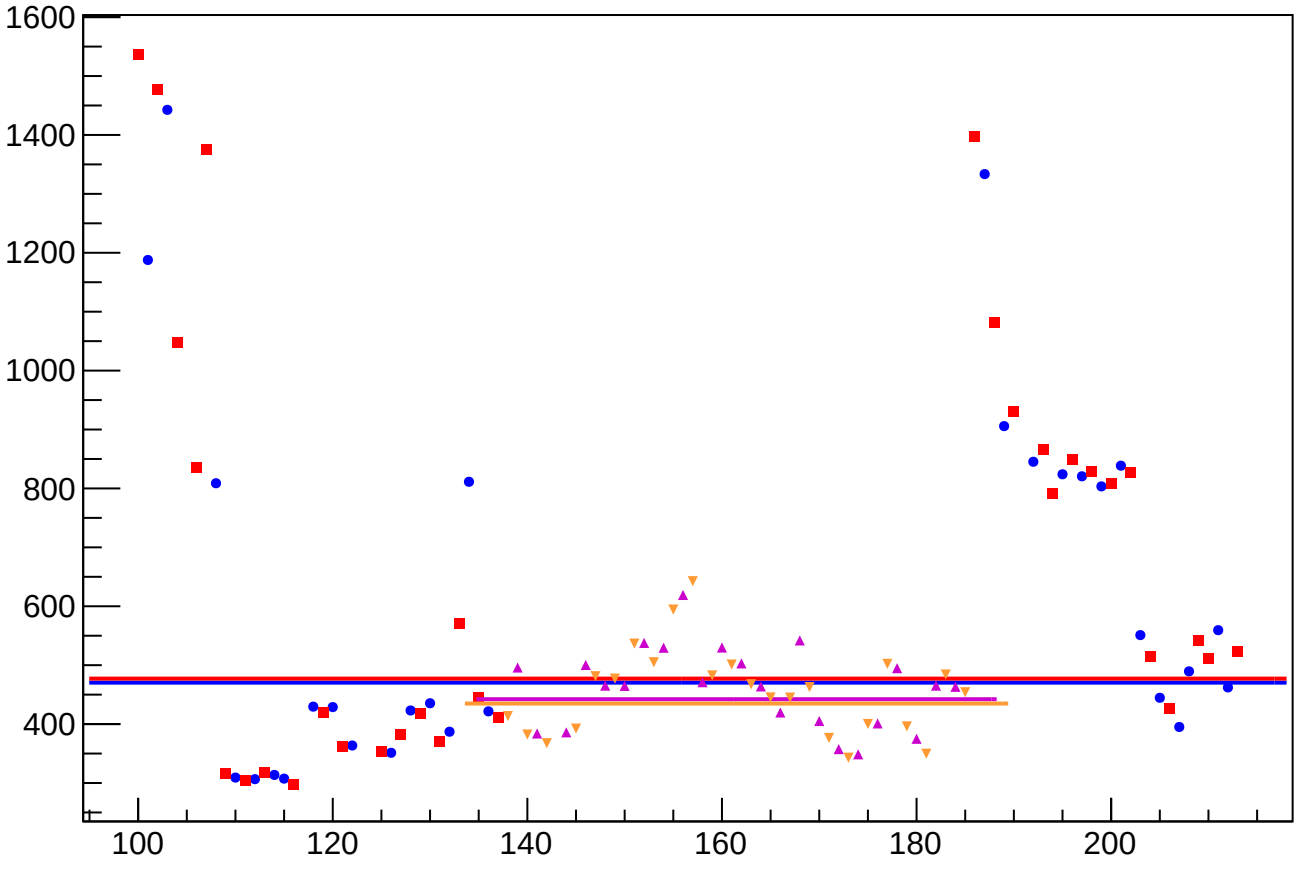
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: 86.577+/-85.794 χ^2/NDF: 149.2/60

In: -131.889+/-79.242 χ^2/NDF:73.7/51

Out: 3.897+/-78.382 χ^2/NDF:165.3/55

All: -63.256+/-55.726 χ^2/NDF: 240.4/107



Right In: 470.382+/-0.086 χ^2/NDF: 4320172.7/28

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

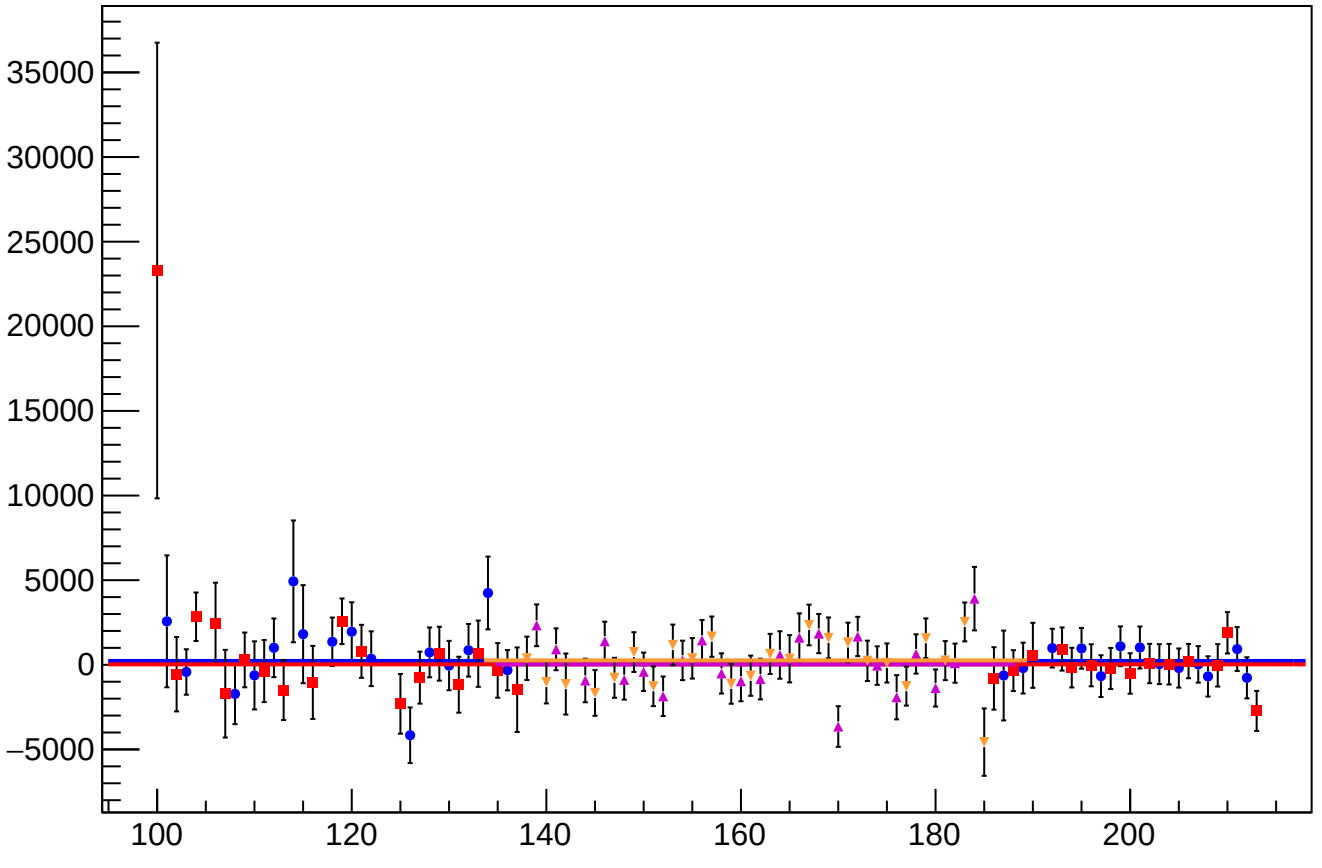
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 473.782+/-0.061 χ^2/NDF: 9751310.4/60

In: 454.254+/-0.056 χ^2/NDF:5208019.2/51

Out: 452.488+/-0.055 χ^2/NDF:6448212.0/55

All: 453.361+/-0.039 χ^2/NDF: 11656733.1/10



Right In: 227.272+/-268.013 χ^2/NDF: 21.2/28

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

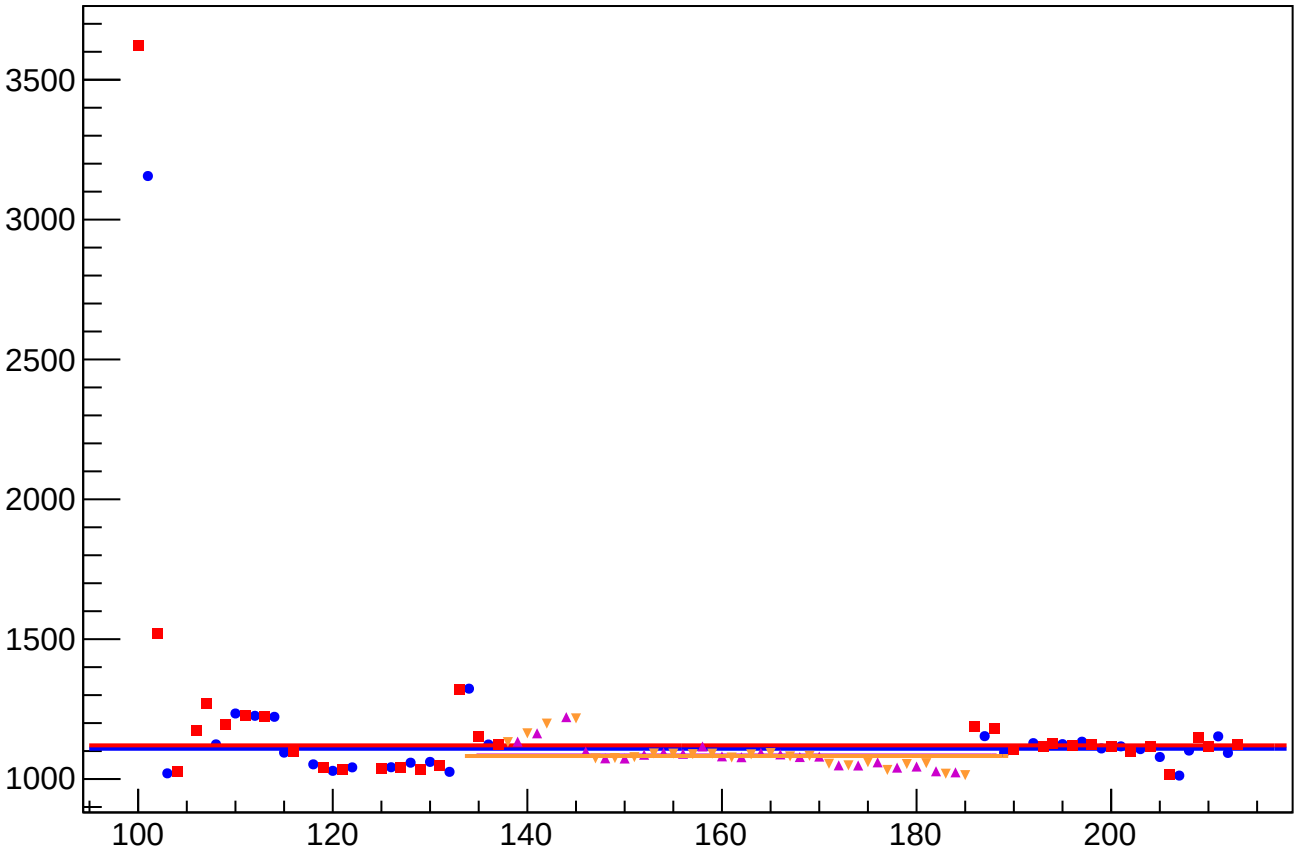
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 124.294+/-187.408 χ^2/NDF: 46.8/60

In: 119.051+/-184.104 χ^2/NDF:57.3/51

Out: 148.120+/-181.449 χ^2/NDF:54.0/55

All: 133.797+/-129.232 χ^2/NDF: 111.3/107



Right In: 1108.231+/-0.190 χ^2/NDF: 646529.7/28

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

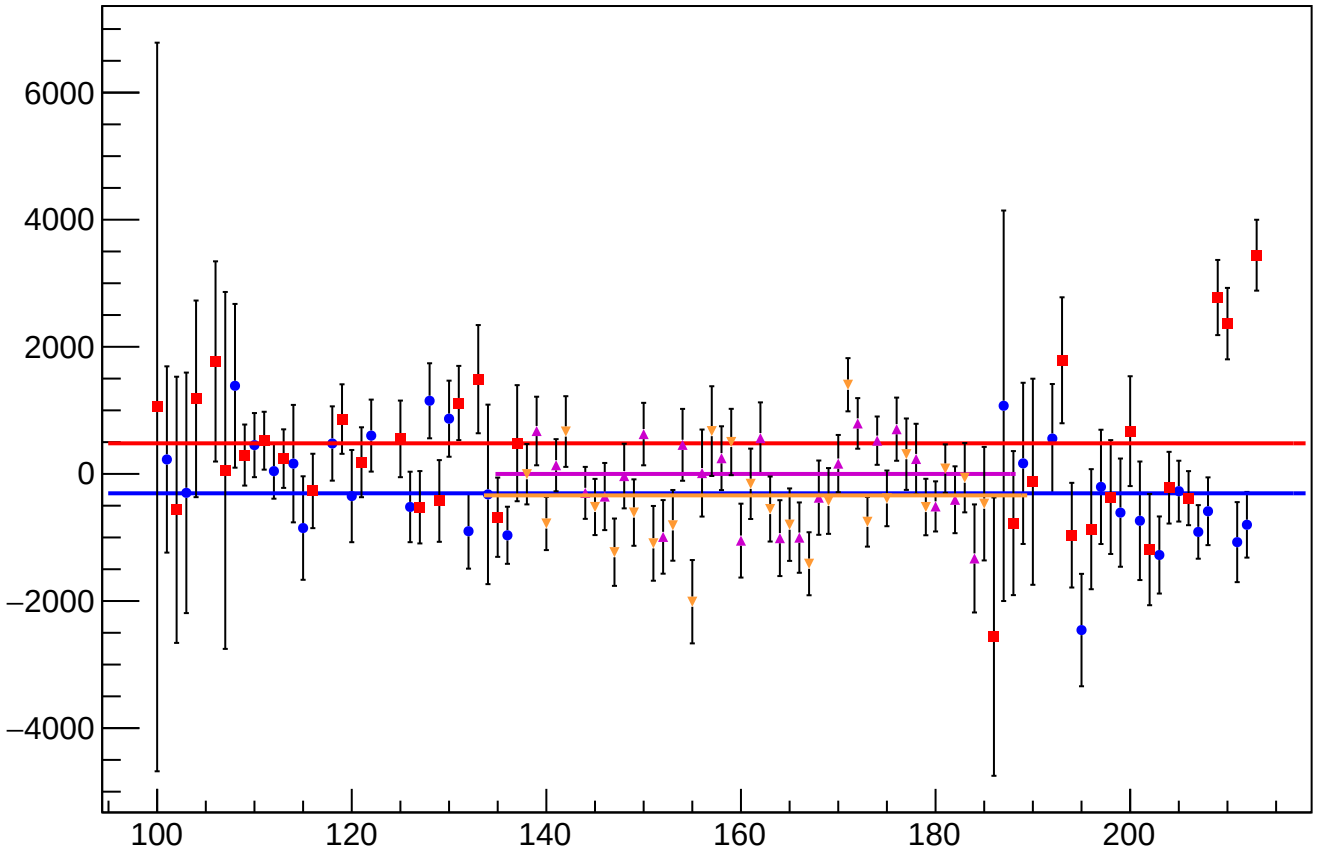
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1114.423+/-0.133 χ^2/NDF: 901968.6/60

In: 1095.522+/-0.130 χ^2/NDF:708484.6/51

Out: 1100.532+/-0.128 χ^2/NDF:333160.1/55

All: 1098.063+/-0.091 χ^2/NDF: 1042396.1/10



Right In: -305.225+/-121.191 χ^2/NDF: 38.0/28

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

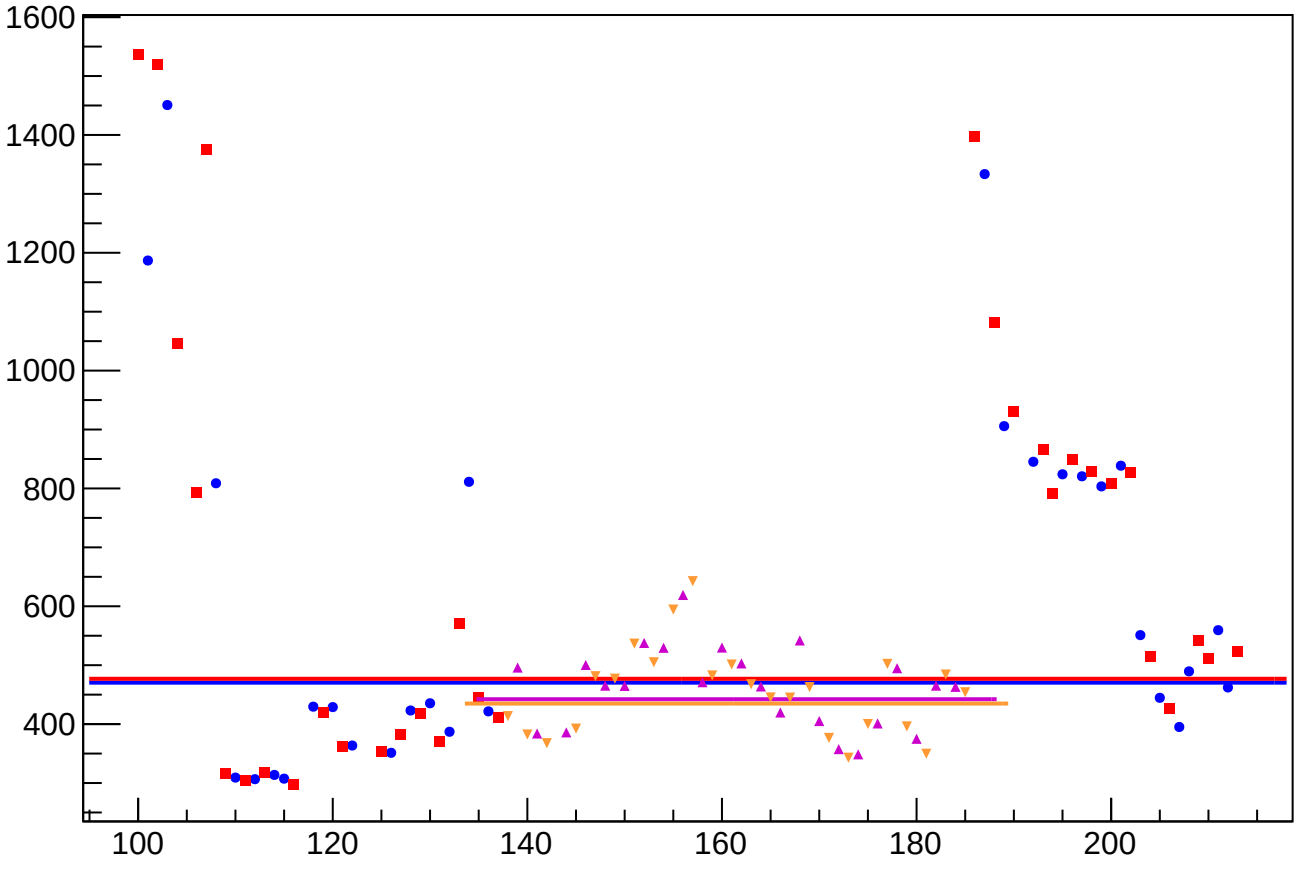
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 87.130+/-85.798 χ^2/NDF: 149.1/60

In: -130.820+/-79.242 χ^2/NDF:73.5/51

Out: 3.240+/-78.385 χ^2/NDF:165.4/55

All: -63.061+/-55.727 χ^2/NDF: 240.3/107



Right In: 470.376+/-0.086 χ^2/NDF: 4323966.4/28

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

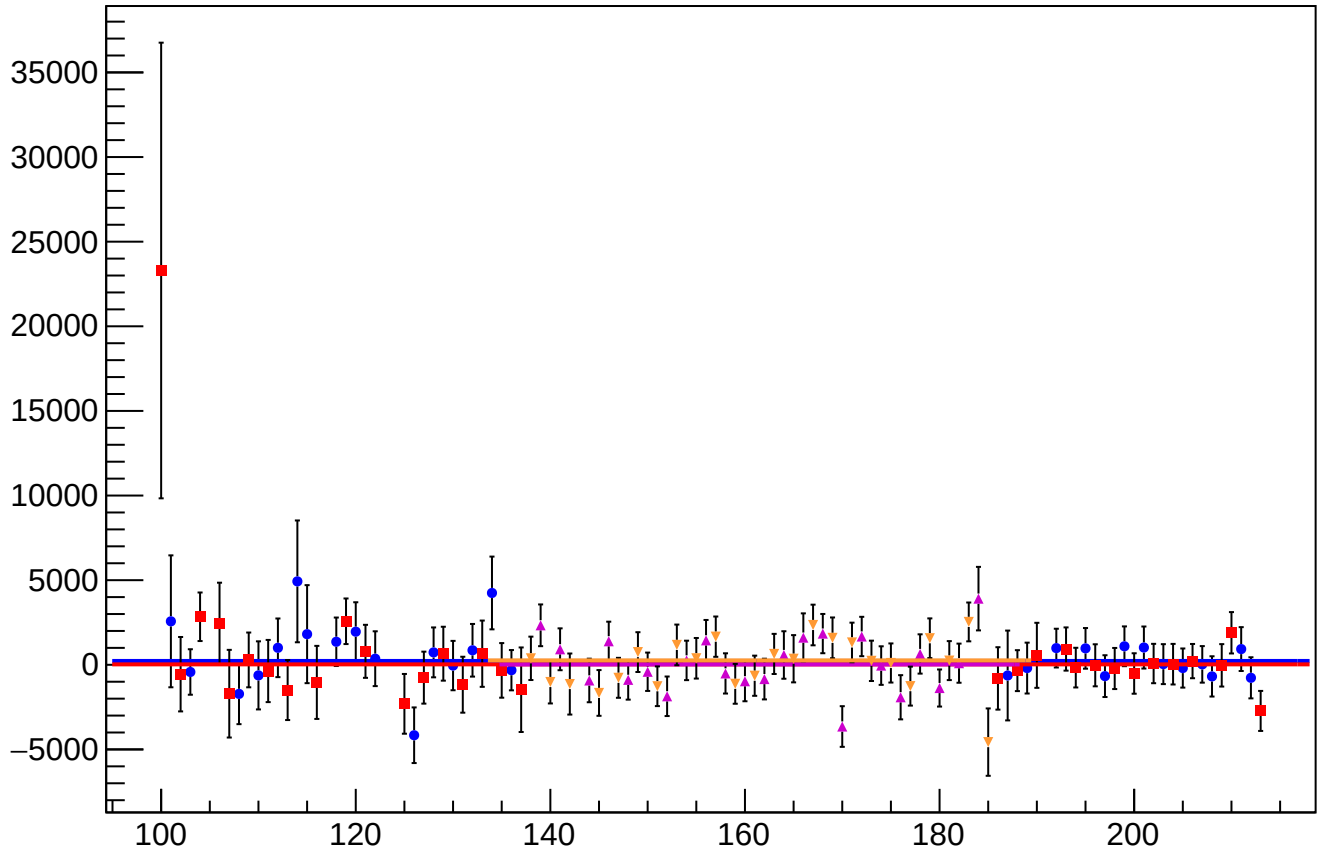
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 473.648+/-0.061 χ^2/NDF: 9749680.6/60

In: 454.252+/-0.056 χ^2/NDF:5211657.3/51

Out: 452.375+/-0.055 χ^2/NDF:6441355.2/55

All: 453.303+/-0.039 χ^2/NDF: 11653579.9/10



Right In: 227.272+/-268.013 χ^2/NDF: 21.2/28

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

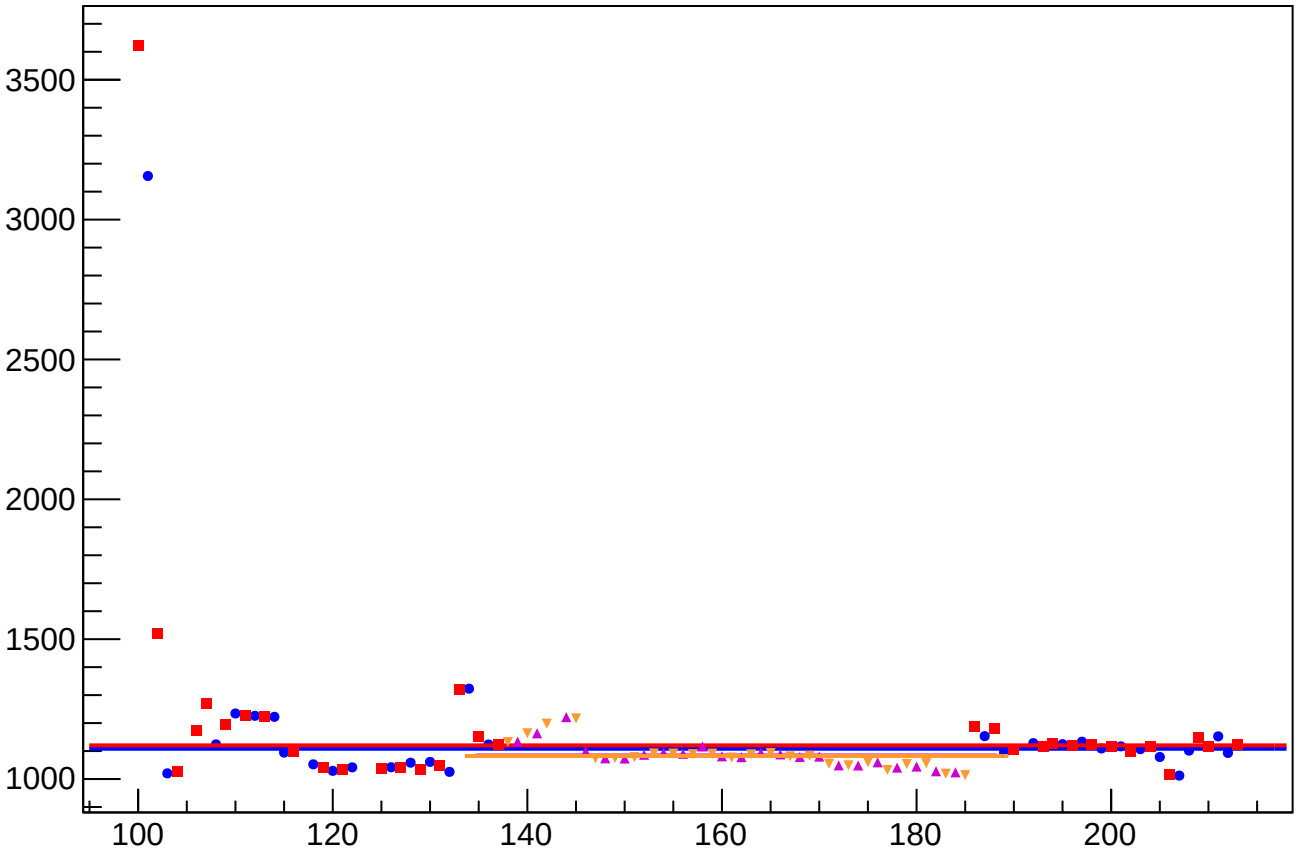
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 124.294+/-187.408 χ^2/NDF: 46.8/60

In: 119.051+/-184.104 χ^2/NDF:57.3/51

Out: 148.120+/-181.449 χ^2/NDF:54.0/55

All: 133.797+/-129.232 χ^2/NDF: 111.3/107



Right In: 1108.231+/-0.190 χ^2/NDF: 646529.7/28

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

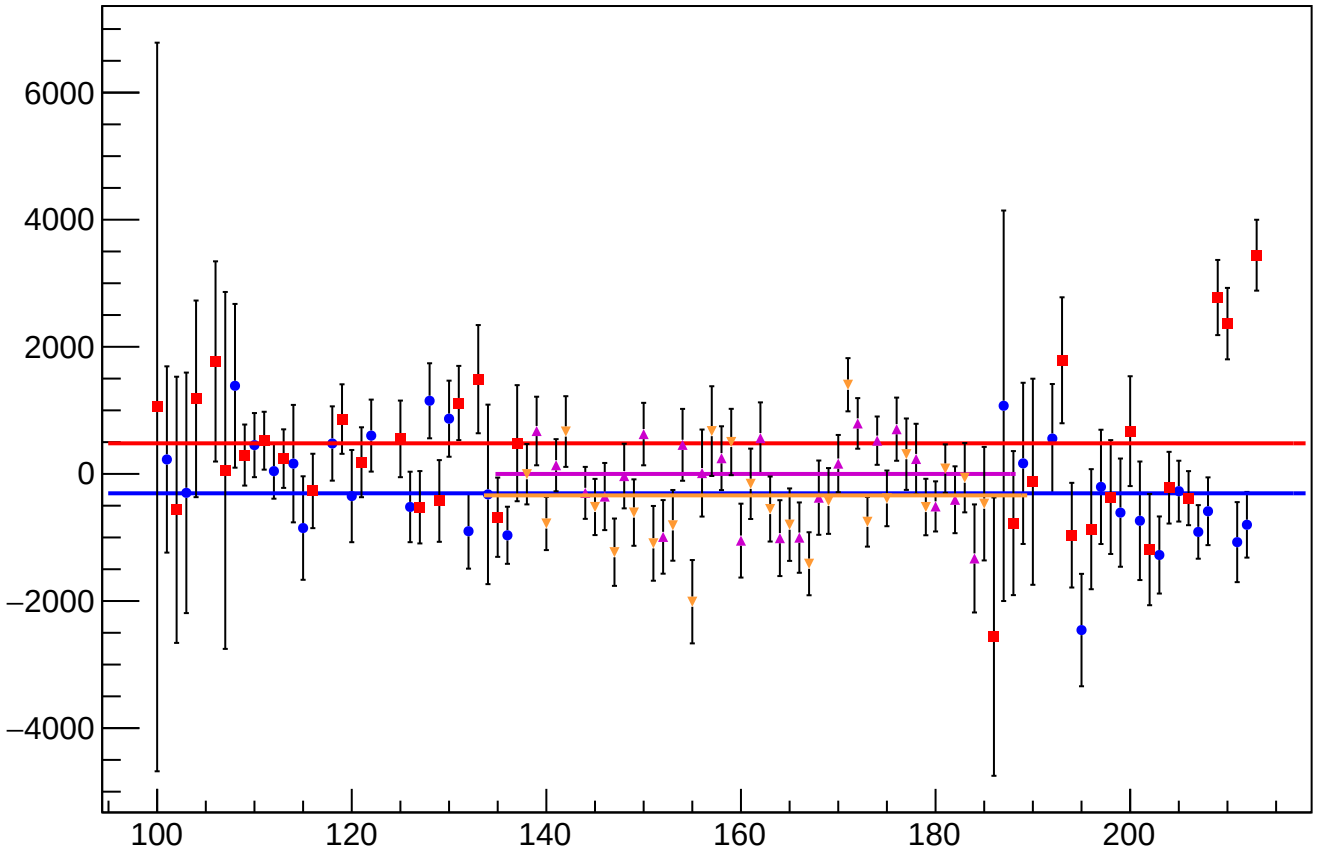
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1114.423+/-0.133 χ^2/NDF: 901968.6/60

In: 1095.522+/-0.130 χ^2/NDF:708484.6/51

Out: 1100.532+/-0.128 χ^2/NDF:333160.1/55

All: 1098.063+/-0.091 χ^2/NDF: 1042396.1/10



Right In: -305.225+/-121.191 χ^2/NDF: 38.0/28

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

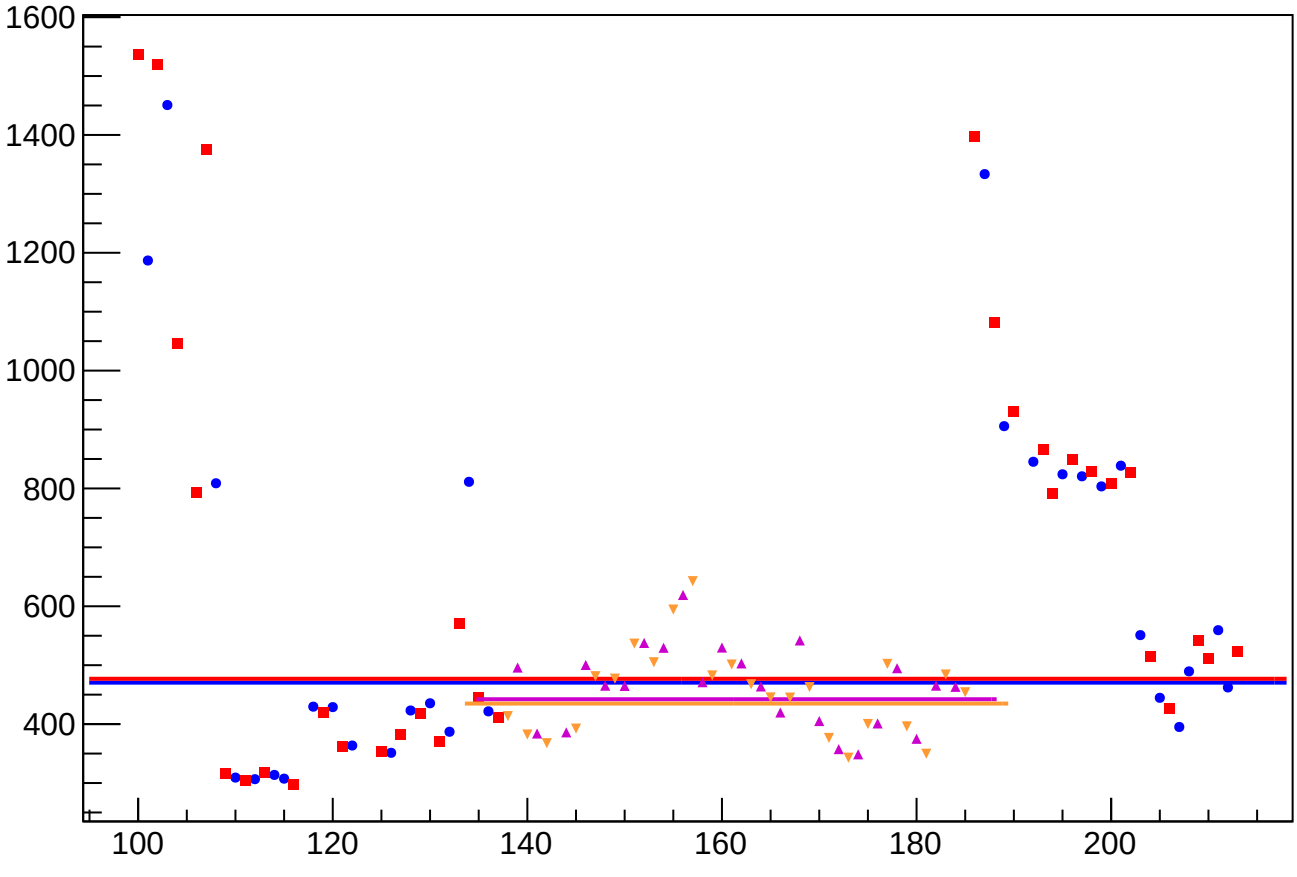
Right: 87.130+/-85.798 χ^2/NDF: 149.1/60

In: -130.820+/-79.242 χ^2/NDF:73.5/51

Out: 3.240+/-78.385 χ^2/NDF:165.4/55

All: -63.061+/-55.727 χ^2/NDF: 240.3/107

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 470.376+/-0.086 χ^2/NDF: 4323966.4/28

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

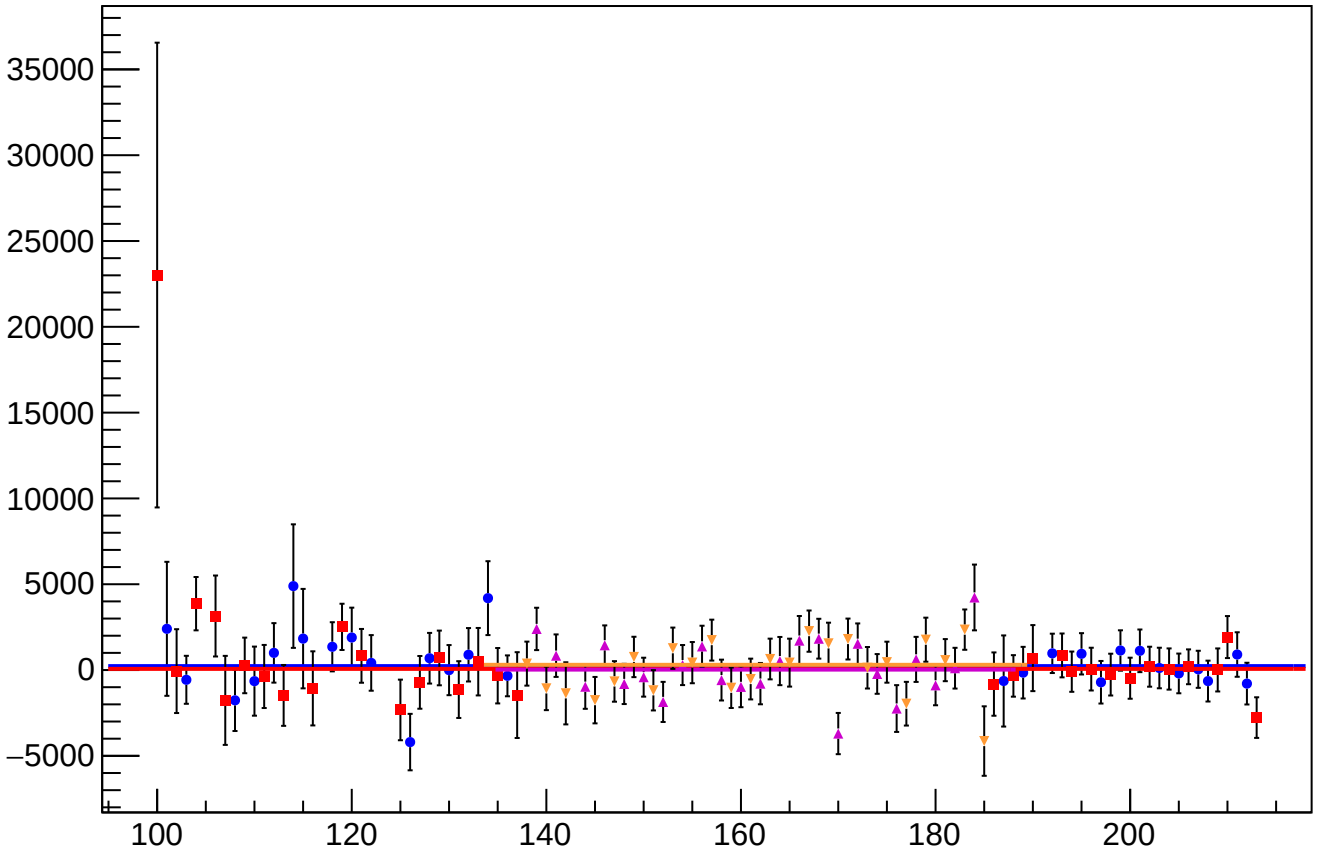
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 473.648+/-0.061 χ^2/NDF: 9749680.6/60

In: 454.252+/-0.056 χ^2/NDF:5211657.3/51

Out: 452.375+/-0.055 χ^2/NDF:6441355.2/55

All: 453.303+/-0.039 χ^2/NDF: 11653579.9/10



Right In: 228.628+/-268.726 χ^2/NDF: 21.3/28

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

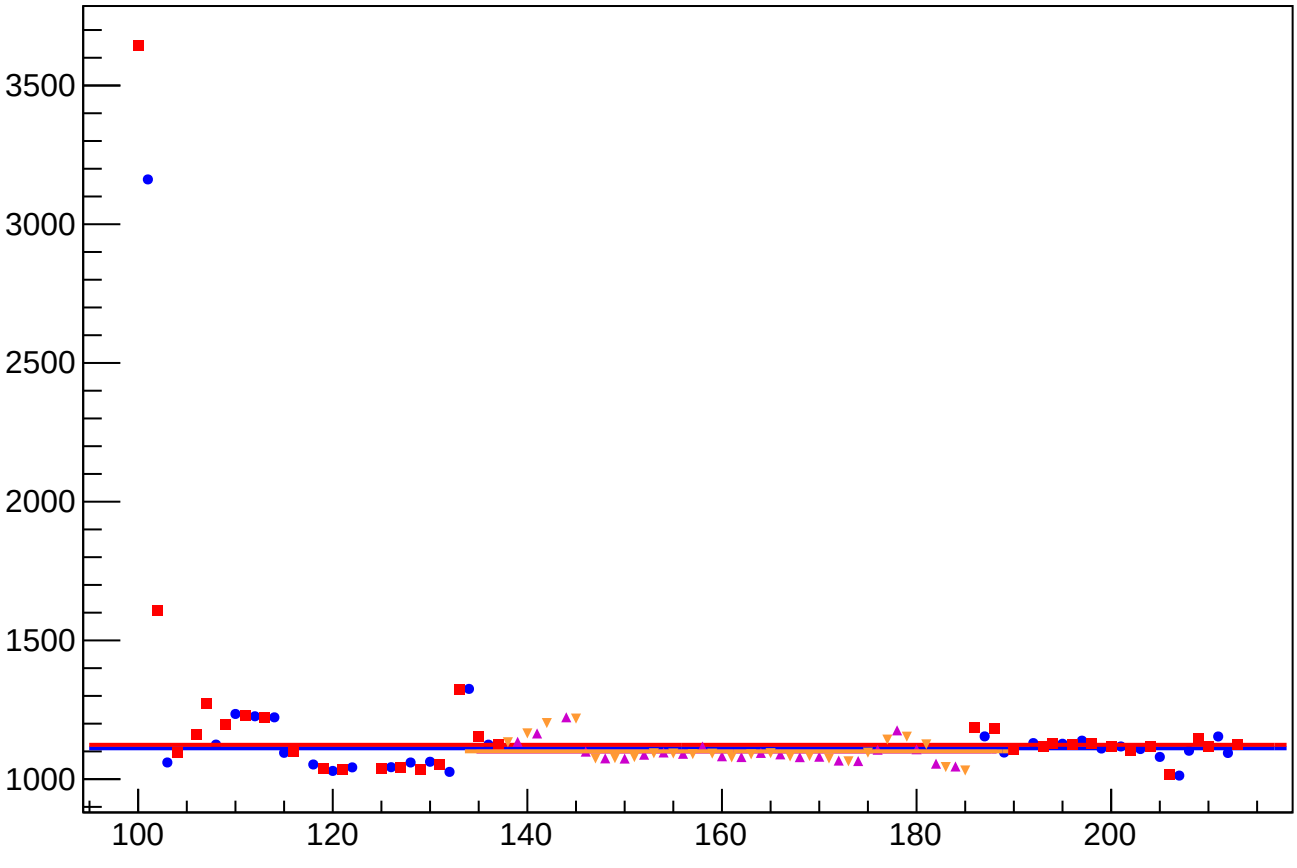
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 146.479+/-188.107 χ^2/NDF: 49.6/60

In: 122.388+/-185.683 χ^2/NDF:57.4/51

Out: 189.043+/-183.416 χ^2/NDF:57.1/55

All: 156.125+/-130.489 χ^2/NDF: 114.6/107



Right In: 1111.202+/-0.190 χ^2/NDF: 641520.0/28

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

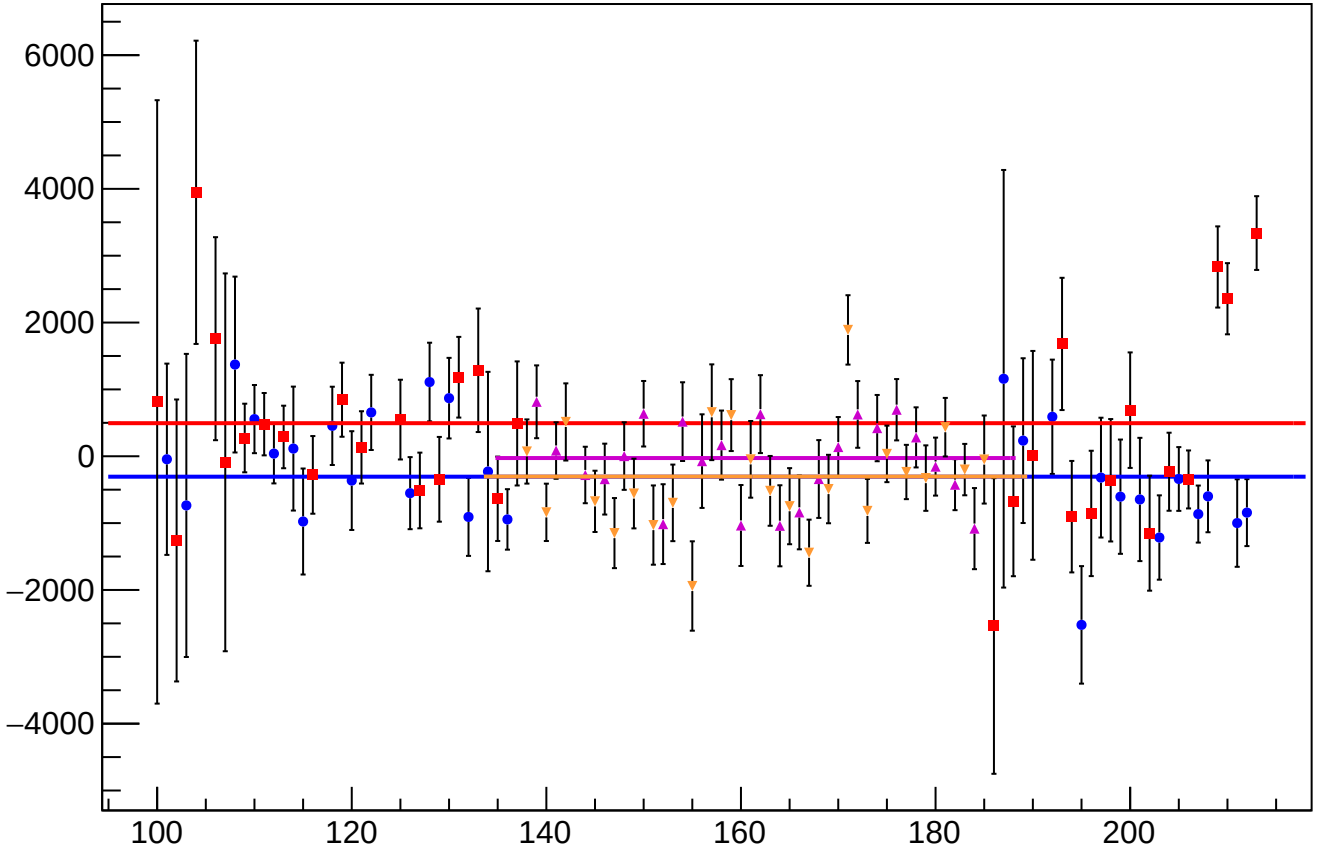
Right: 1117.600+/-0.133 χ^2/NDF: 902836.7/60

In: 1105.005+/-0.131 χ^2/NDF:688341.5/51

Out: 1111.647+/-0.130 χ^2/NDF:316060.7/55

All: 1108.367+/-0.092 χ^2/NDF: 1005697.7/10

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -305.652+/-121.648 χ^2/NDF: 38.1/28

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

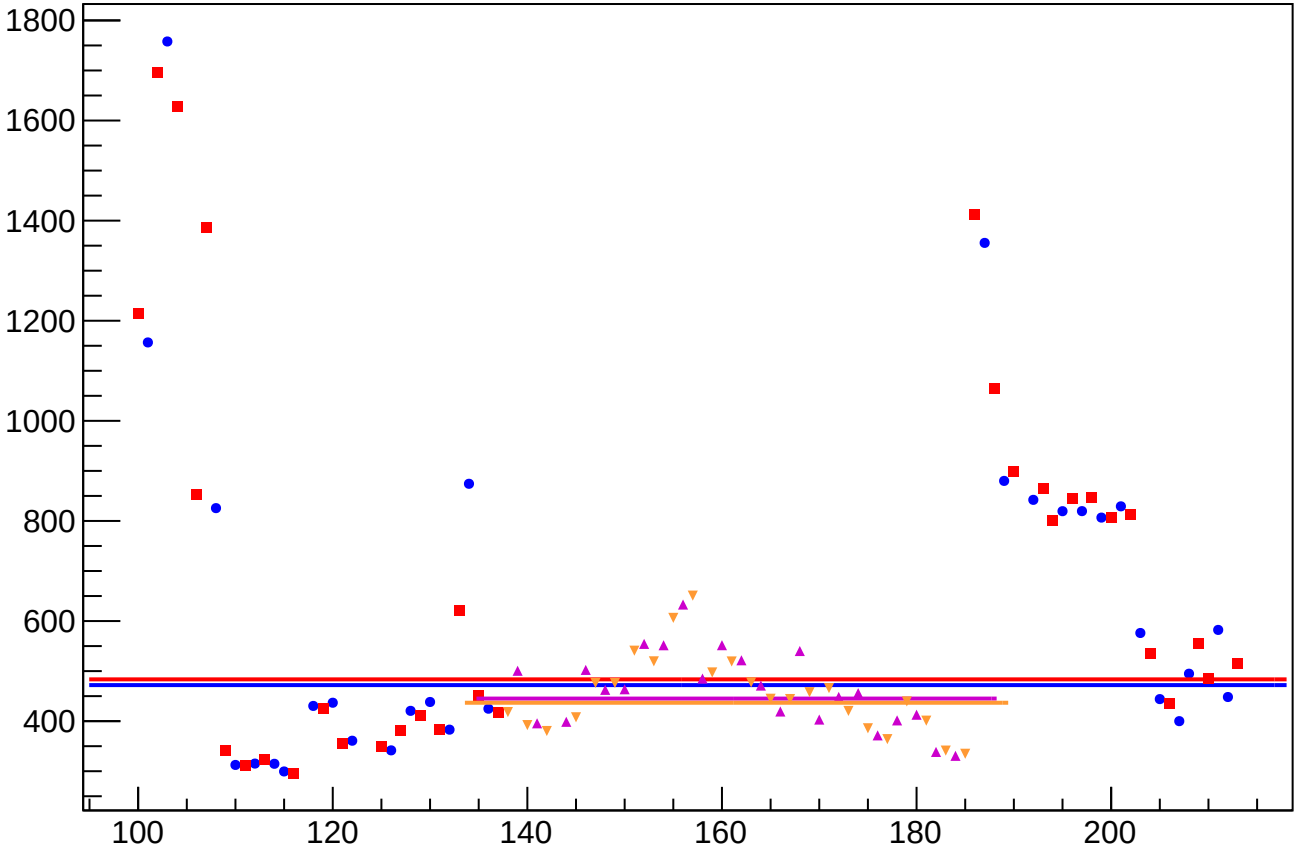
Right: 90.778+/-86.422 χ^2/NDF: 149.3/60

In: -146.365+/-79.668 χ^2/NDF:68.9/51

Out: 26.252+/-78.906 χ^2/NDF:164.2/55

All: -59.227+/-56.062 χ^2/NDF: 235.5/107

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 472.042+/-0.086 χ^2/NDF: 4444134.6/28

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

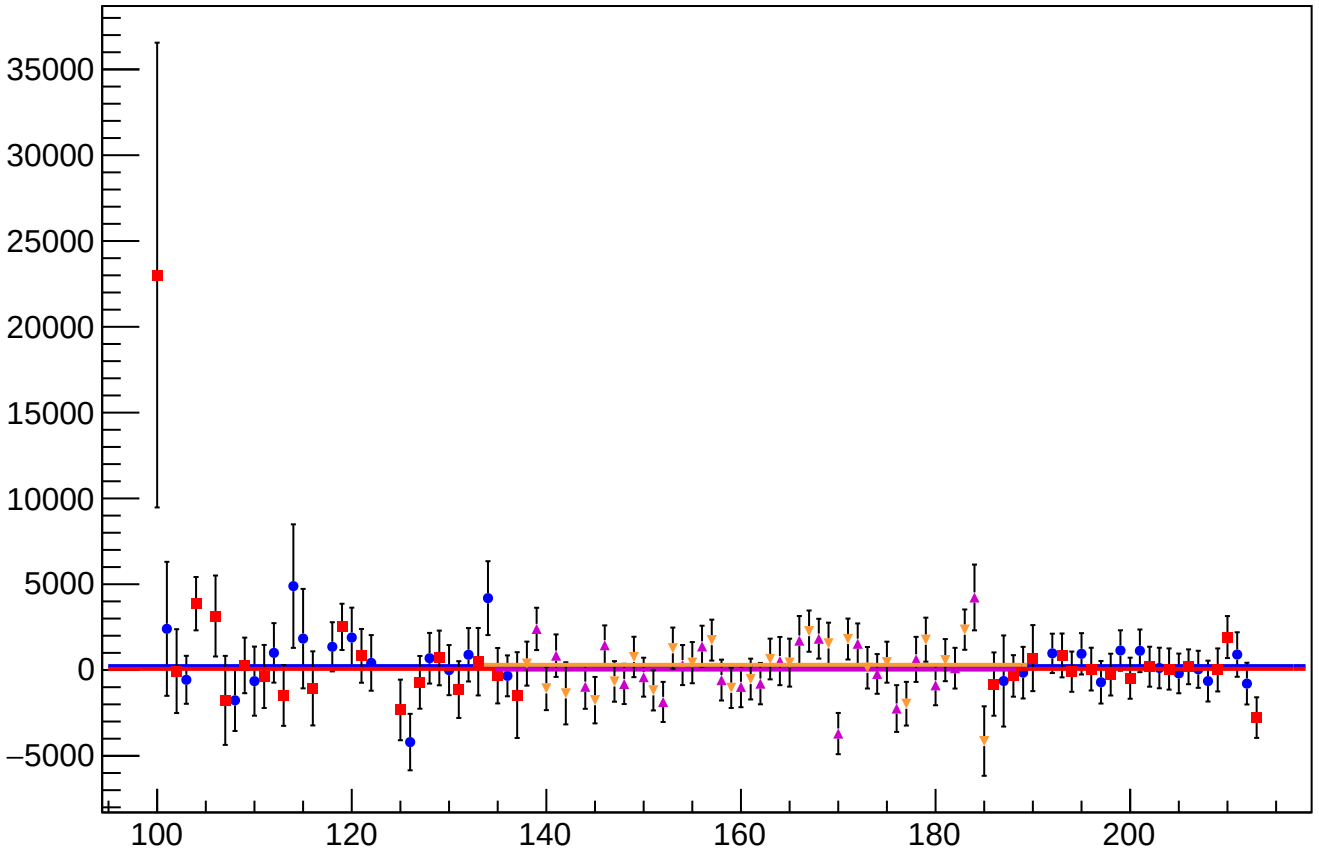
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 477.723+/-0.061 χ^2/NDF: 10187544.3/60

In: 456.660+/-0.056 χ^2/NDF:5374659.6/51

Out: 456.079+/-0.056 χ^2/NDF:6759816.6/55

All: 456.367+/-0.040 χ^2/NDF: 12134529.9/10



Right In: 228.627+/-268.726 χ^2/NDF: 21.3/28

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

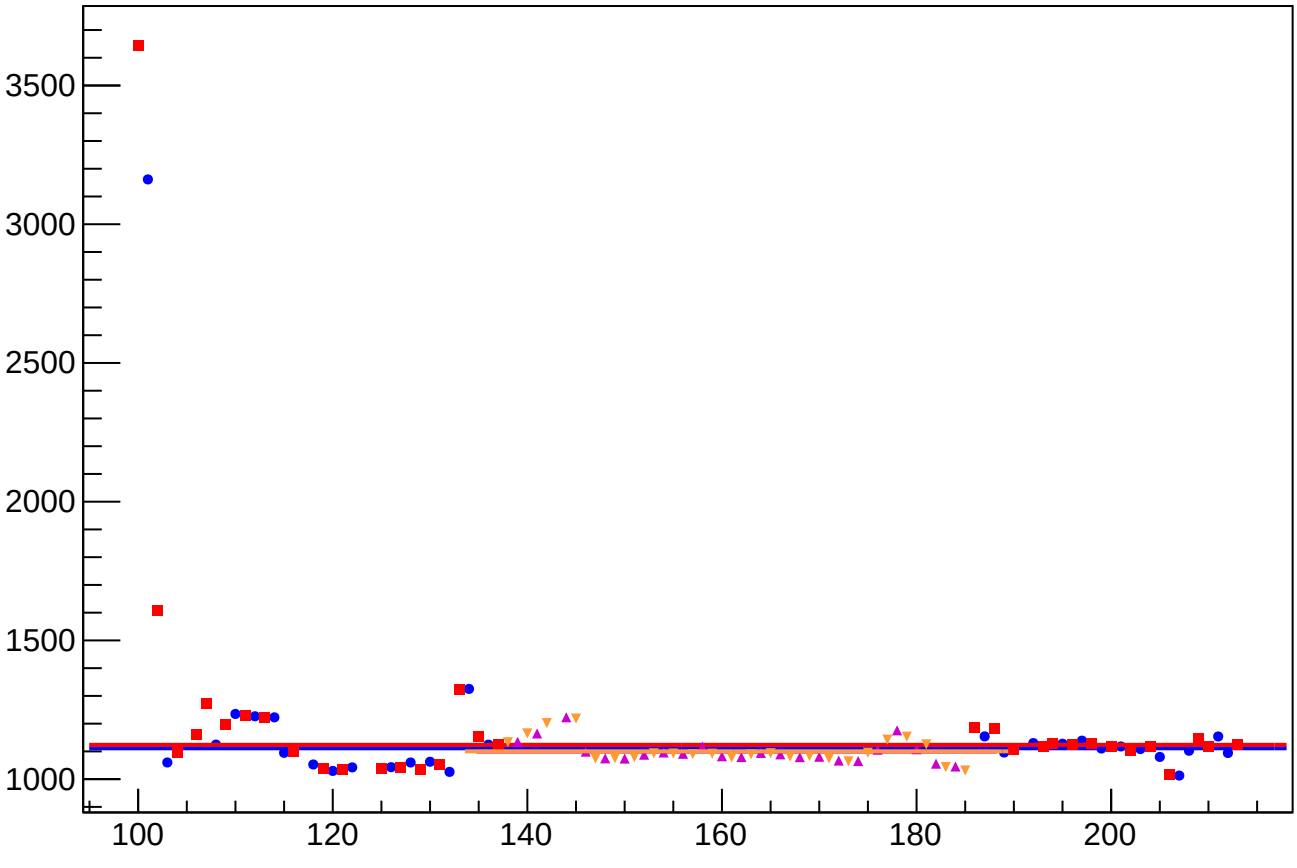
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 146.479+/-188.107 χ^2/NDF: 49.6/60

In: 122.388+/-185.683 χ^2/NDF:57.4/51

Out: 189.042+/-183.416 χ^2/NDF:57.1/55

All: 156.125+/-130.489 χ^2/NDF: 114.6/107



Right In: 1111.202+/-0.190 χ^2/NDF: 641520.0/28

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

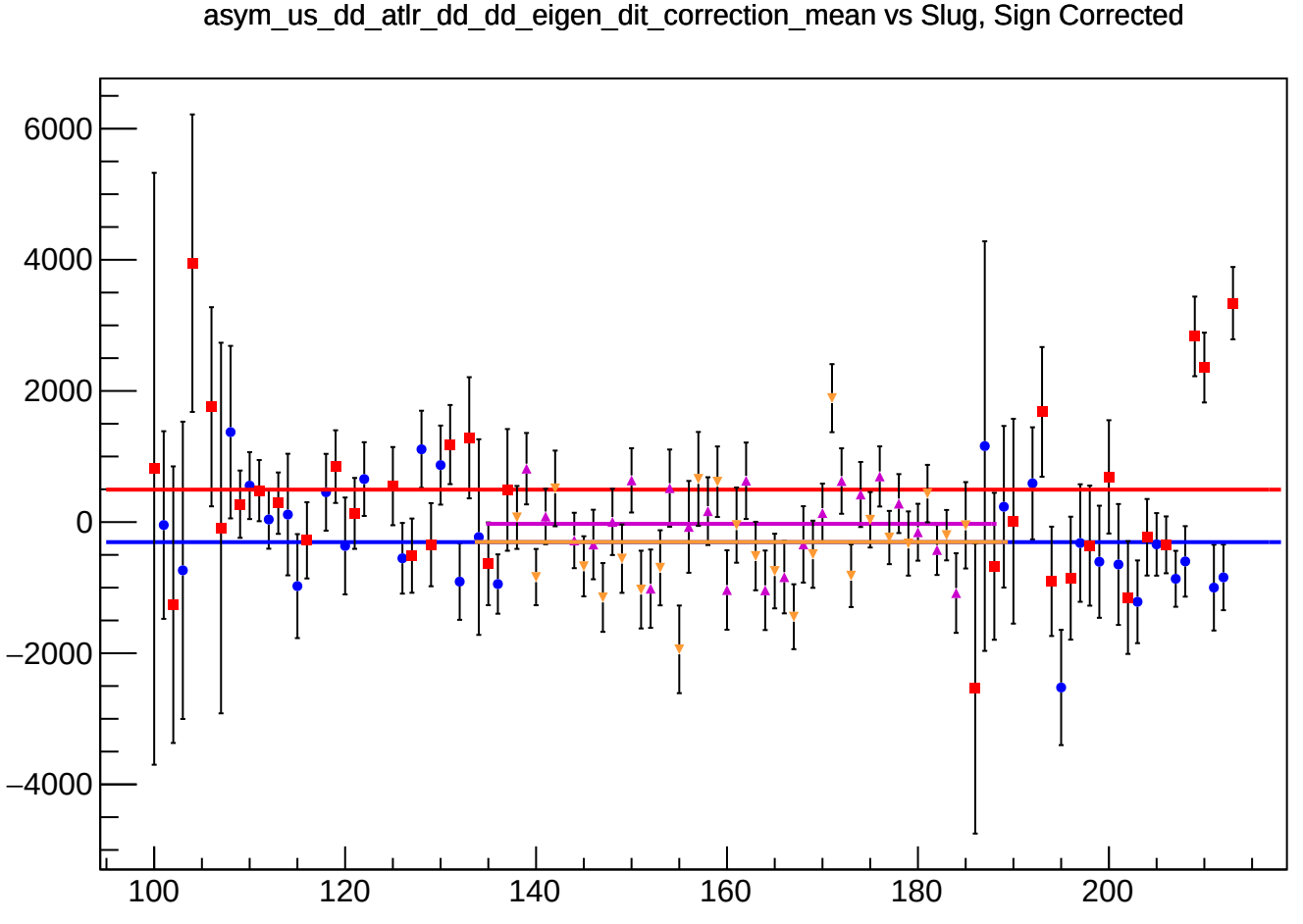
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1117.600+/-0.133 χ^2/NDF: 902836.8/60

In: 1105.005+/-0.131 χ^2/NDF:688341.6/51

Out: 1111.647+/-0.130 χ^2/NDF:316061.0/55

All: 1108.367+/-0.092 χ^2/NDF: 1005698.2/10



Right In: -305.655+/-121.647 χ^2/NDF: 38.1/28

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 494.737+/-122.798 χ^2/NDF: 89.8/31

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

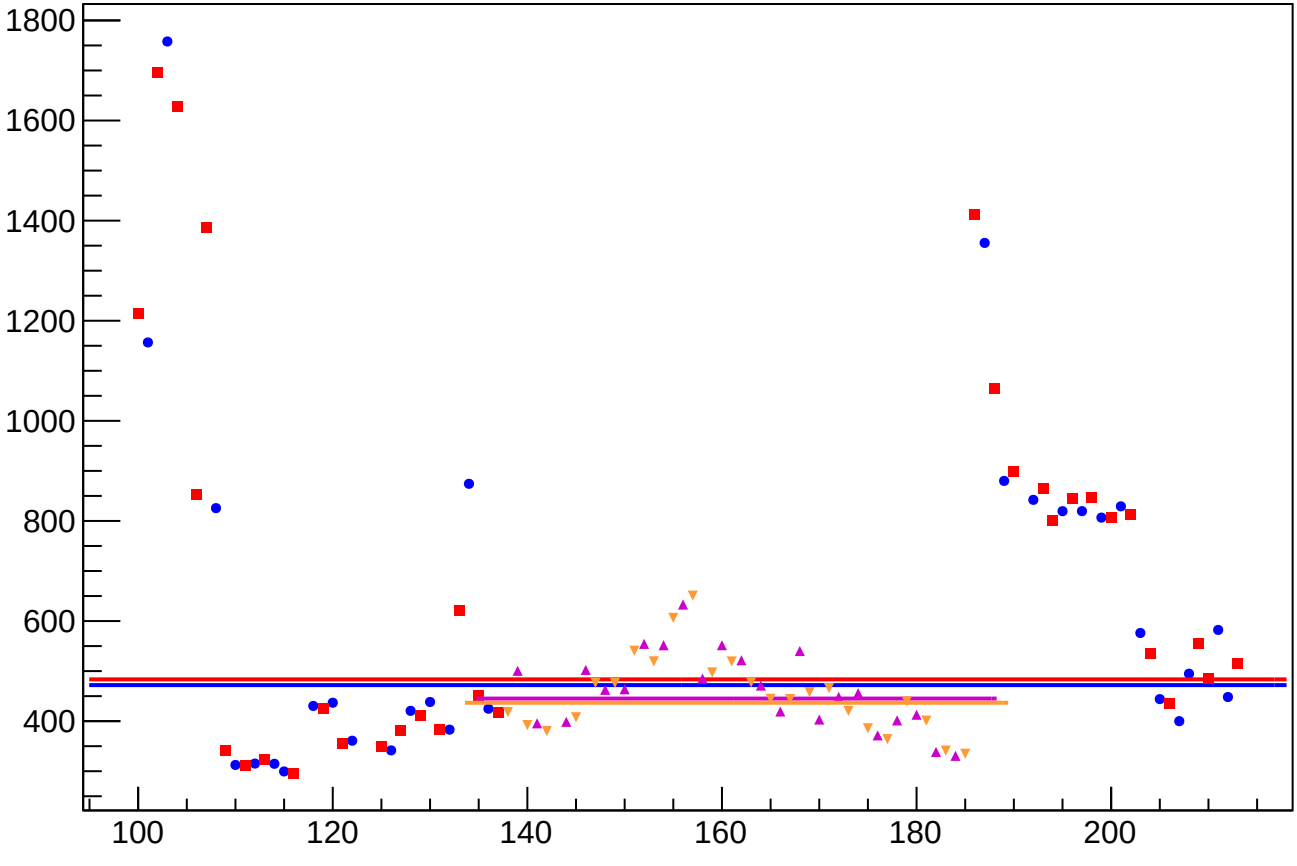
Right: 90.773+/-86.422 χ^2/NDF: 149.3/60

In: -146.366+/-79.667 χ^2/NDF:68.9/51

Out: 26.251+/-78.906 χ^2/NDF:164.2/55

All: -59.229+/-56.062 χ^2/NDF: 235.5/107

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 472.040+/-0.086 χ^2/NDF: 4444168.6/28

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

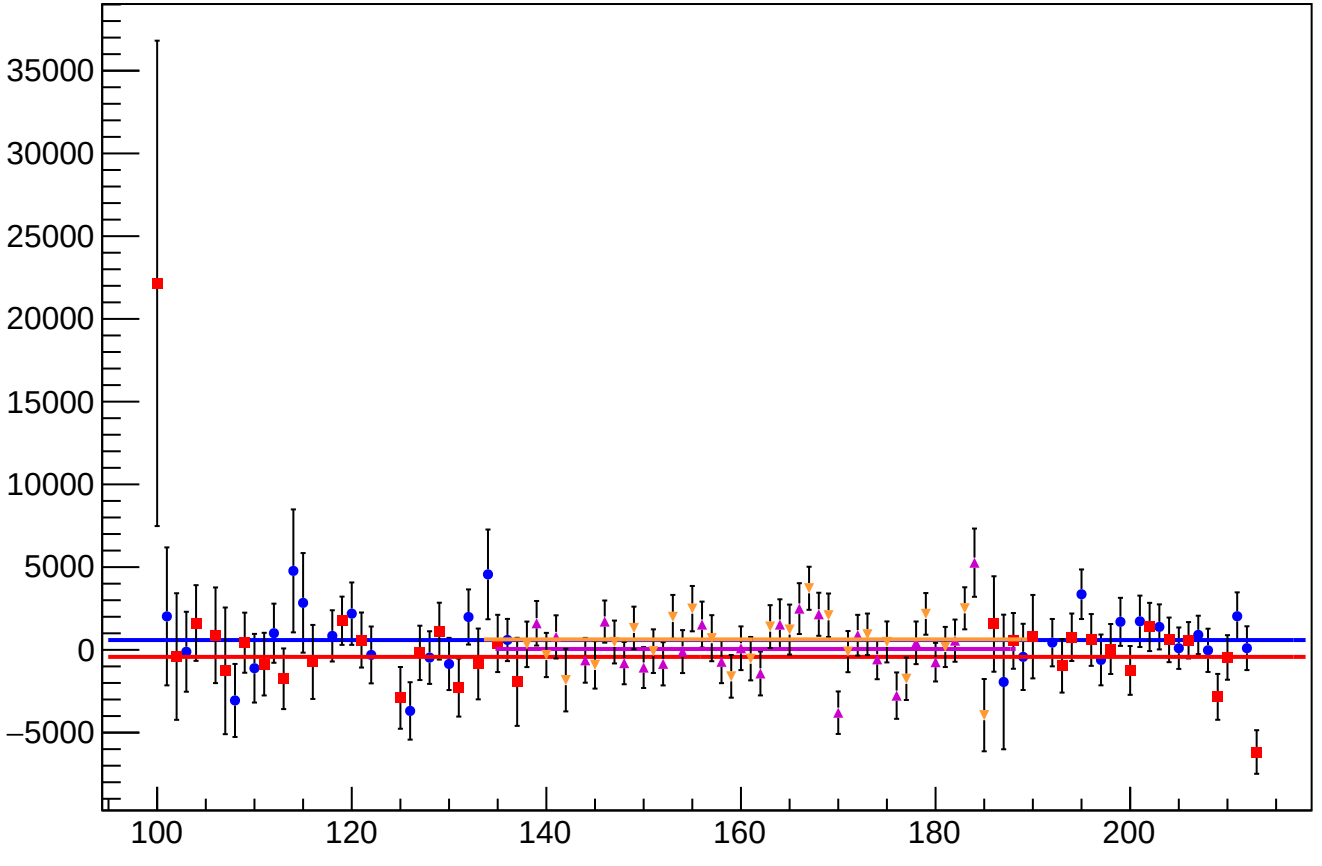
Right: 477.721+/-0.061 χ^2/NDF: 10187645.5/60

In: 456.659+/-0.056 χ^2/NDF:5374719.6/51

Out: 456.078+/-0.056 χ^2/NDF:6759898.0/55

All: 456.366+/-0.040 χ^2/NDF: 12134671.3/10

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 591.961+/-307.793 χ^2/NDF: 24.4/28

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

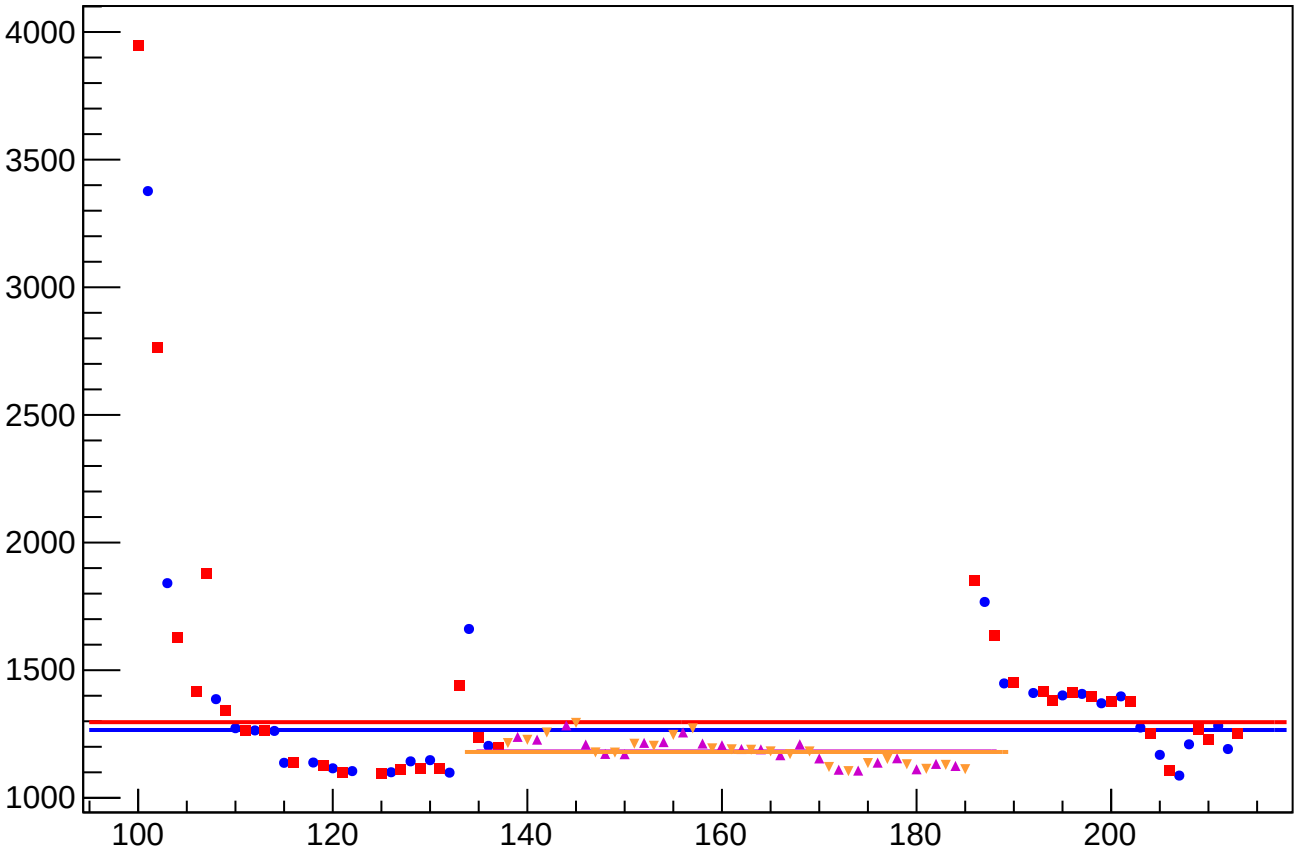
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 80.402+/-216.994 χ^2/NDF: 68.8/60

In: 292.222+/-205.573 χ^2/NDF:61.2/51

Out: 161.906+/-204.142 χ^2/NDF:75.6/55

All: 226.609+/-144.853 χ^2/NDF: 137.0/107



Right In: 1265.793+/-0.218 χ^2/NDF: 984150.1/28

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

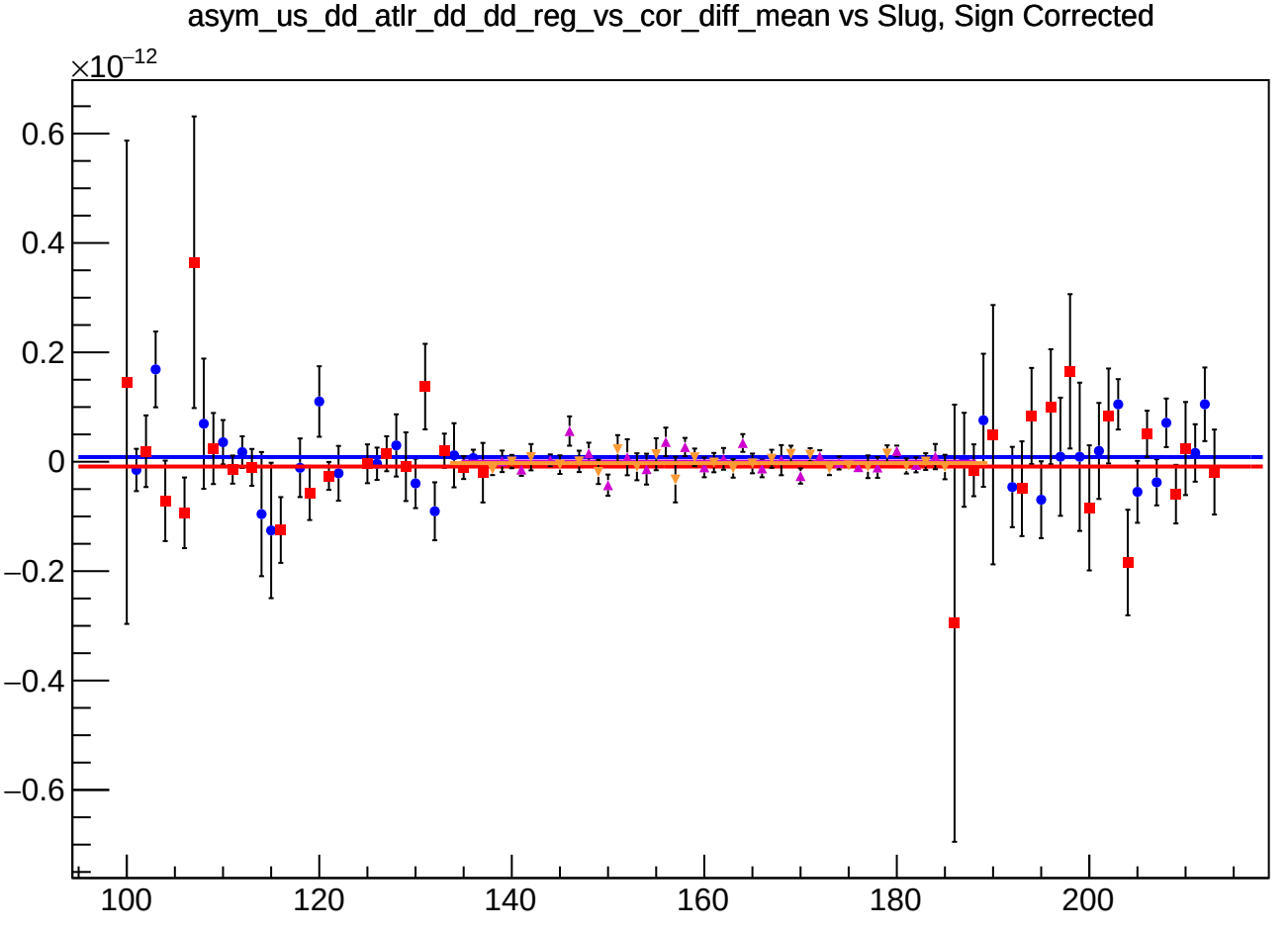
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1281.233+/-0.153 χ^2/NDF: 1903198.3/60

In: 1219.339+/-0.145 χ^2/NDF:1126750.8/51

Out: 1231.697+/-0.144 χ^2/NDF:1135355.5/55

All: 1225.561+/-0.102 χ^2/NDF: 2265745.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/28

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

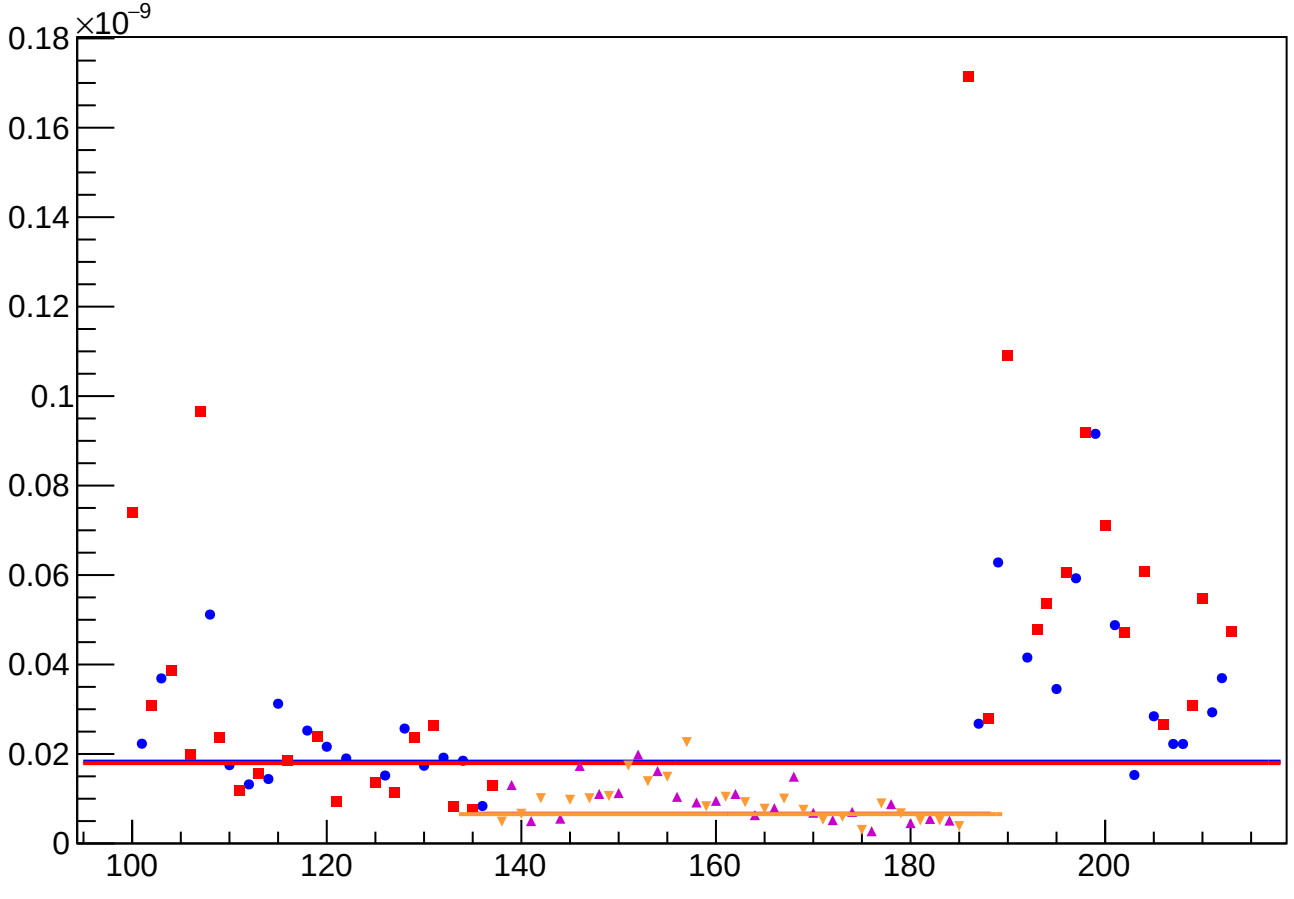
Right: -0.000+/-0.000 χ^2/NDF: 59.1/60

In: 0.000+/-0.000 χ^2/NDF:62.9/51

Out: -0.000+/-0.000 χ^2/NDF:38.5/55

All: -0.000+/-0.000 χ^2/NDF: 102.5/107

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3397061.7/28

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5750725.7/31

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

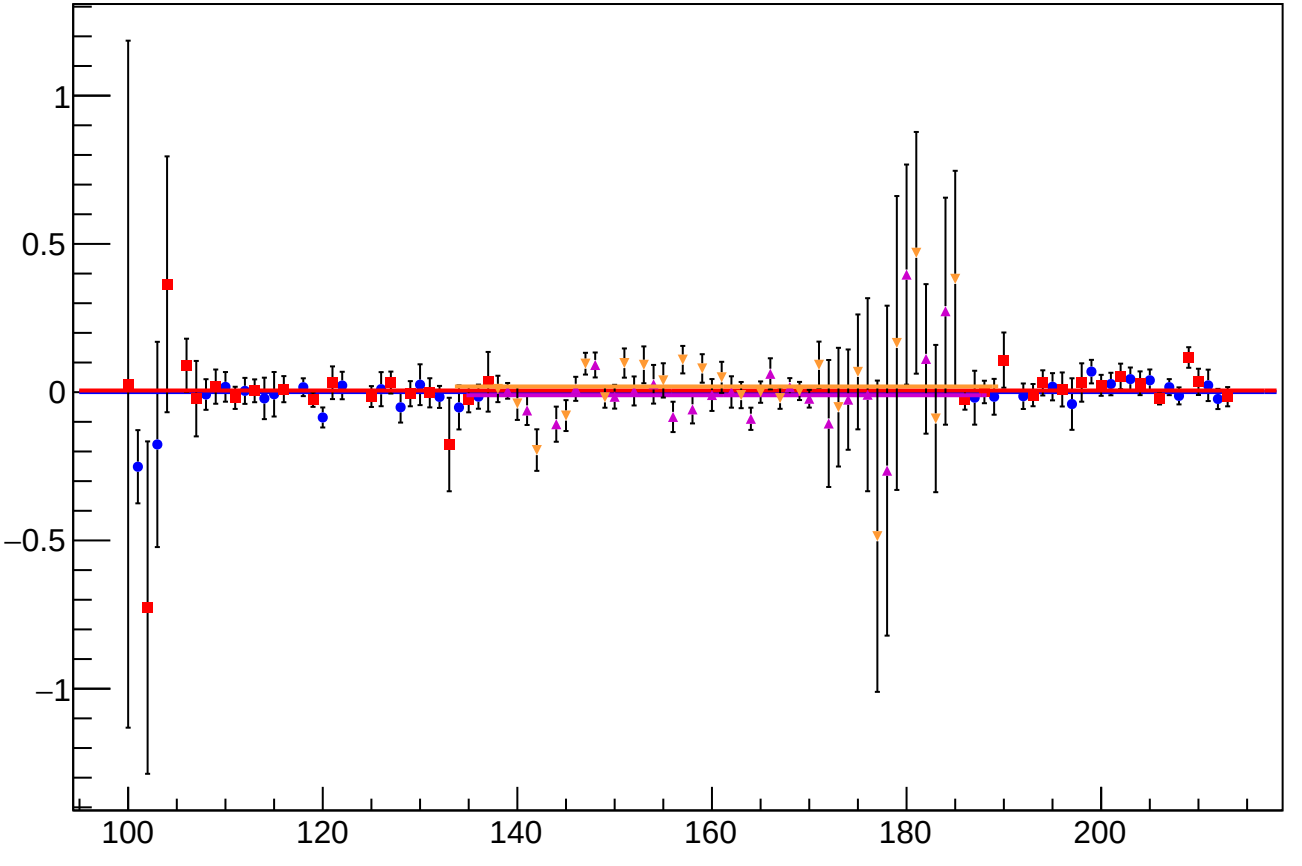
Right: 0.000+/-0.000 χ^2/NDF: 9149423.5/60

In: 0.000+/-0.000 χ^2/NDF:9300534.6/51

Out: 0.000+/-0.000 χ^2/NDF:11267317.5/55

All: 0.000+/-0.000 χ^2/NDF: 20572178.2/107

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.008 χ^2/NDF: 21.4/28

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

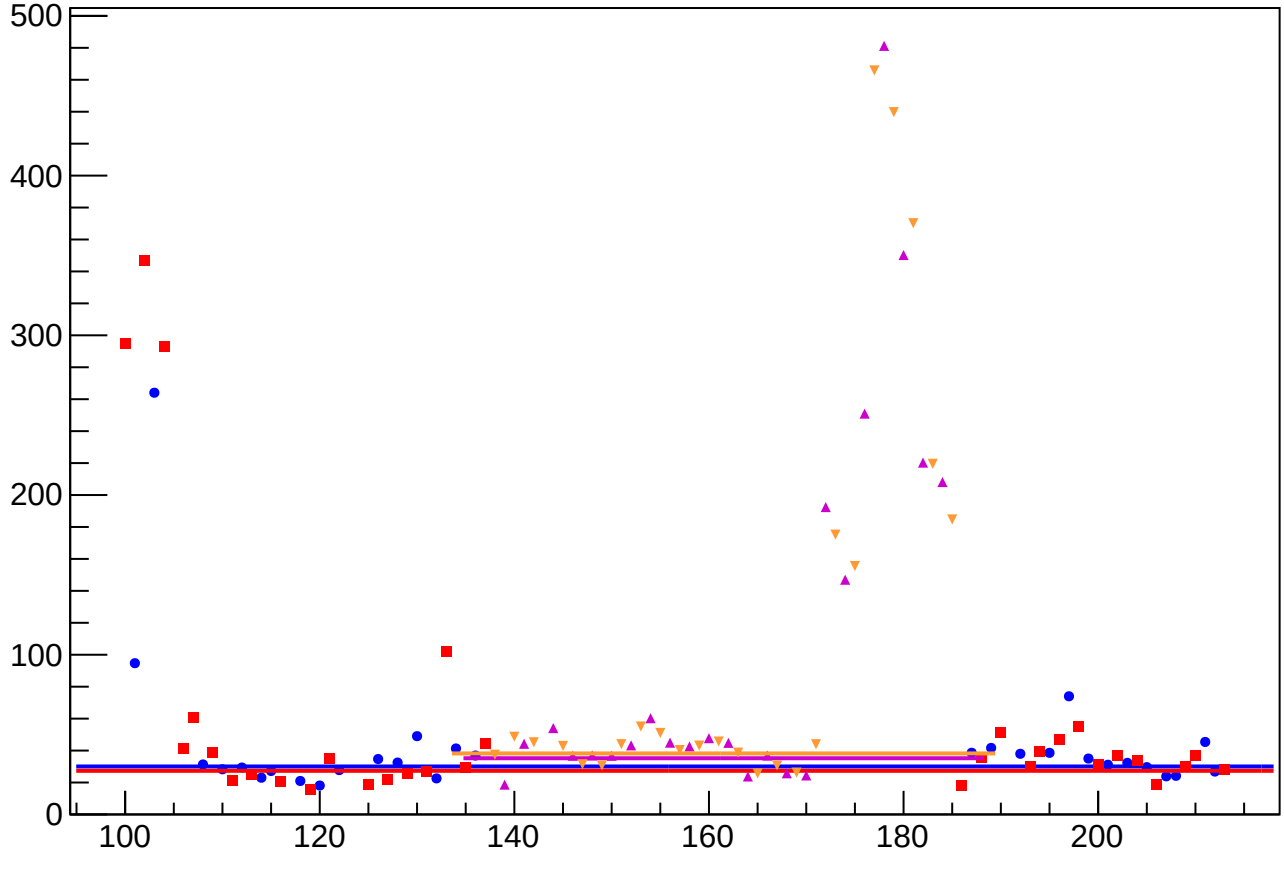
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.003+/-0.006 χ^2/NDF: 47.5/60

In: -0.004+/-0.006 χ^2/NDF:45.7/51

Out: 0.010+/-0.006 χ^2/NDF:62.9/55

All: 0.003+/-0.004 χ^2/NDF: 111.0/107



Right In: 30.034+/-0.006 χ^2/NDF: 3434390.7/28

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

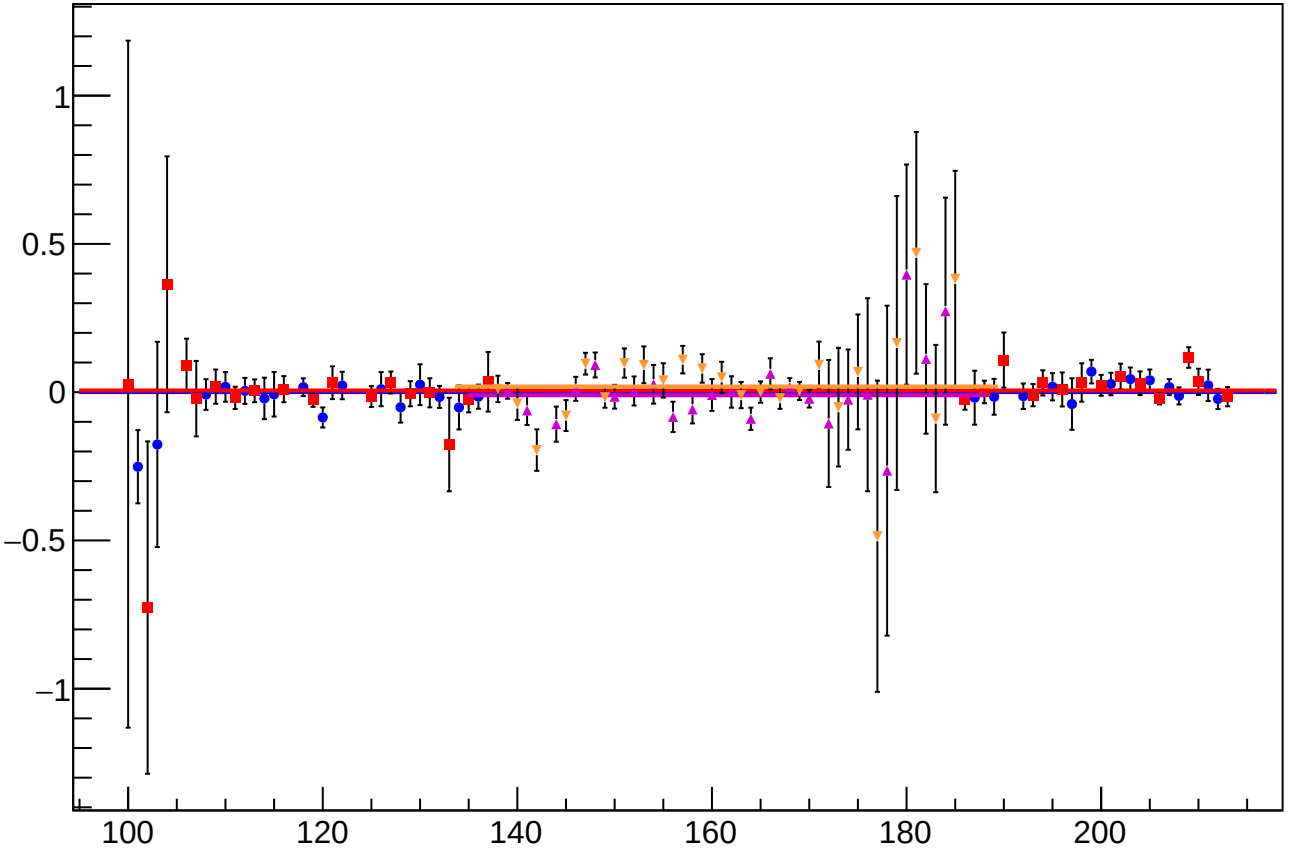
Right: 28.560+/-0.004 χ^2/NDF: 8372093.5/60

In: 32.060+/-0.005 χ^2/NDF:13132543.9/51

Out: 30.890+/-0.004 χ^2/NDF:14469612.5/55

All: 31.452+/-0.003 χ^2/NDF: 27636627.5/107

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.008 χ^2/NDF: 21.4/28

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

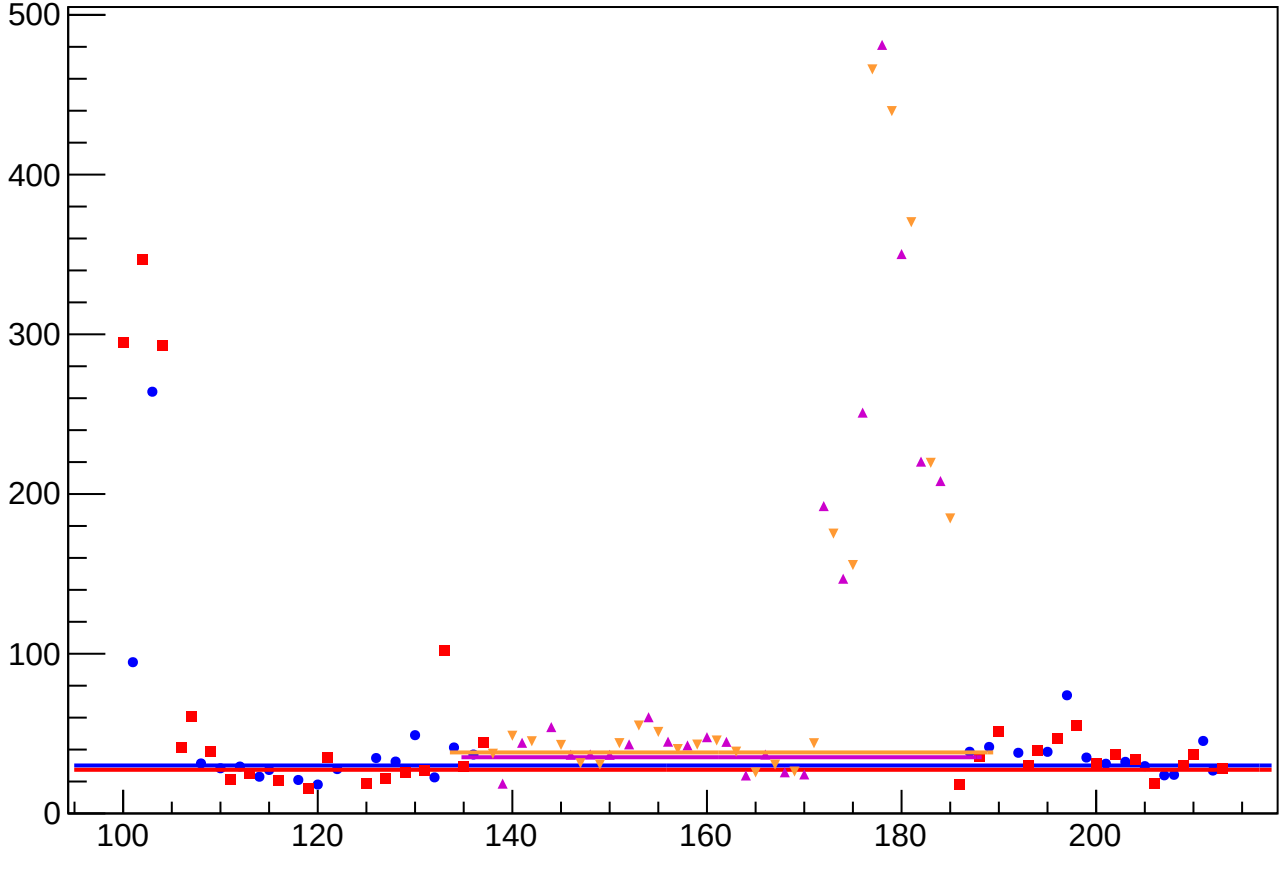
Right: 0.003+/-0.006 χ^2/NDF: 47.5/60

In: -0.004+/-0.006 χ^2/NDF:45.7/51

Out: 0.010+/-0.006 χ^2/NDF:62.9/55

All: 0.003+/-0.004 χ^2/NDF: 111.0/107

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.034+/-0.006 χ^2/NDF: 3434390.7/28

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

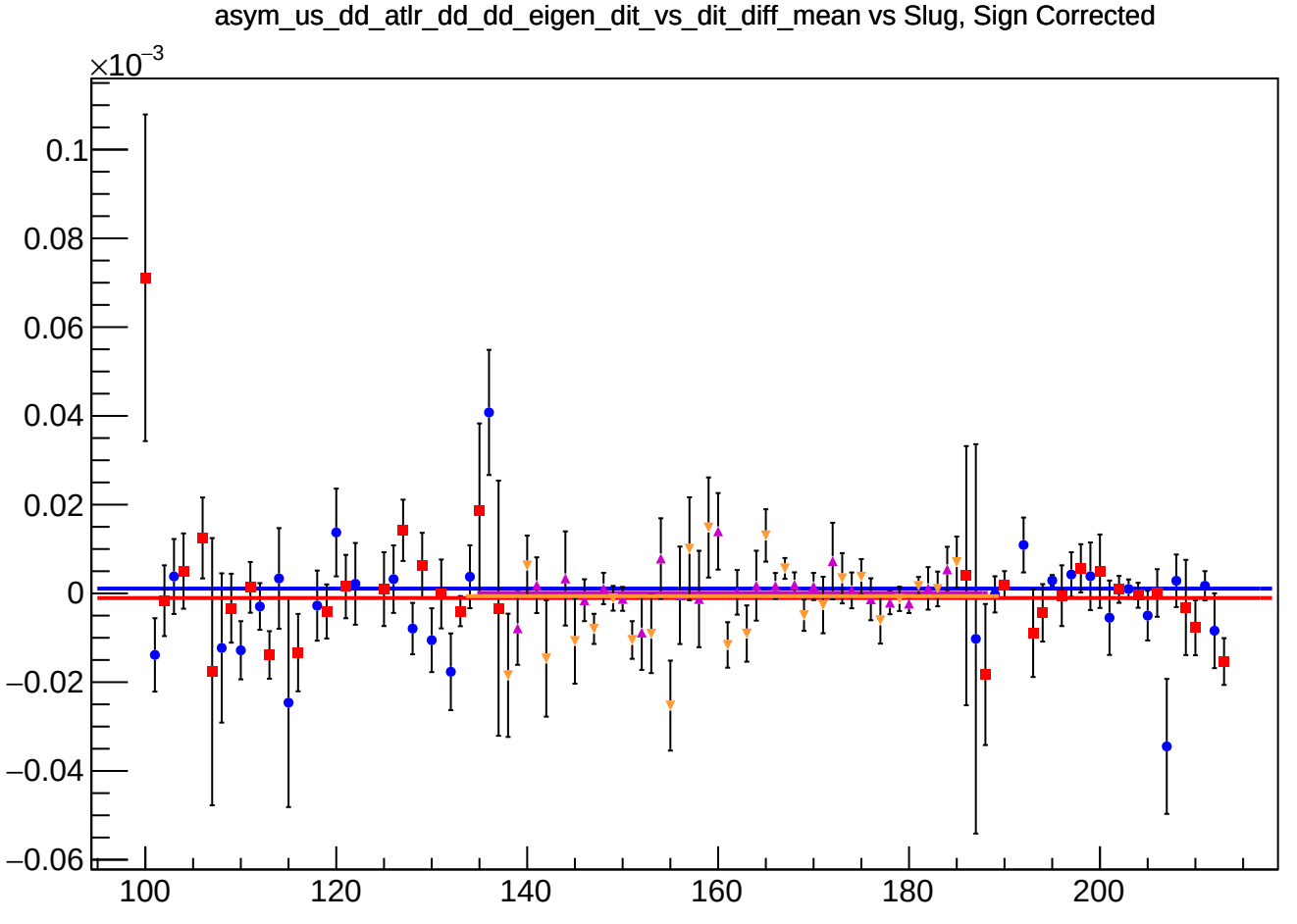
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.560+/-0.004 χ^2/NDF: 8372093.5/60

In: 32.060+/-0.005 χ^2/NDF:13132543.9/51

Out: 30.890+/-0.004 χ^2/NDF:14469612.5/55

All: 31.452+/-0.003 χ^2/NDF: 27636627.5/107



Right In: 0.000+/-0.000 χ^2/NDF: 44.2/28

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

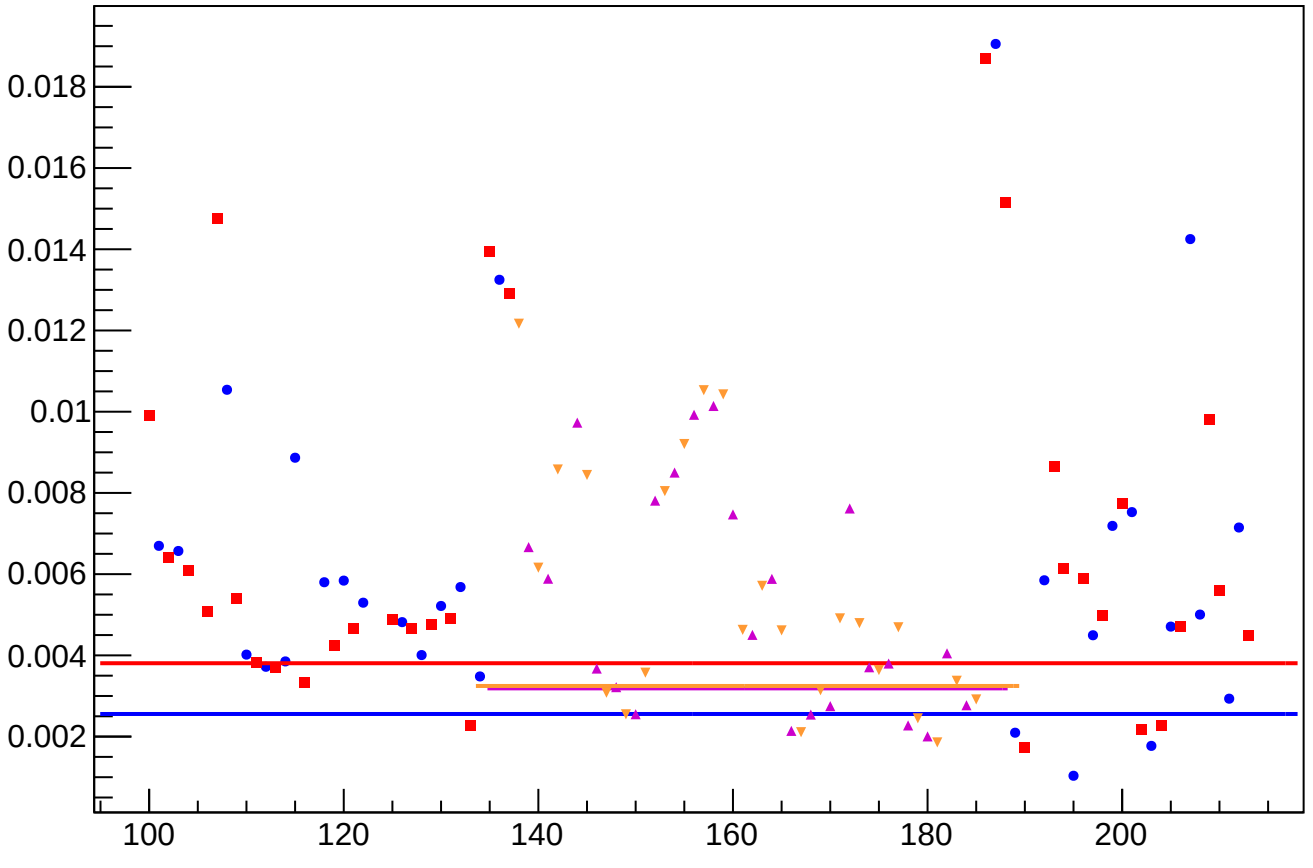
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 83.9/60

In: 0.000+/-0.000 χ^2/NDF:55.9/51

Out: -0.000+/-0.000 χ^2/NDF:88.4/55

All: -0.000+/-0.000 χ^2/NDF: 146.8/107



Right In: 0.003+/-0.000 χ^2/NDF: 12960600.2/28

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

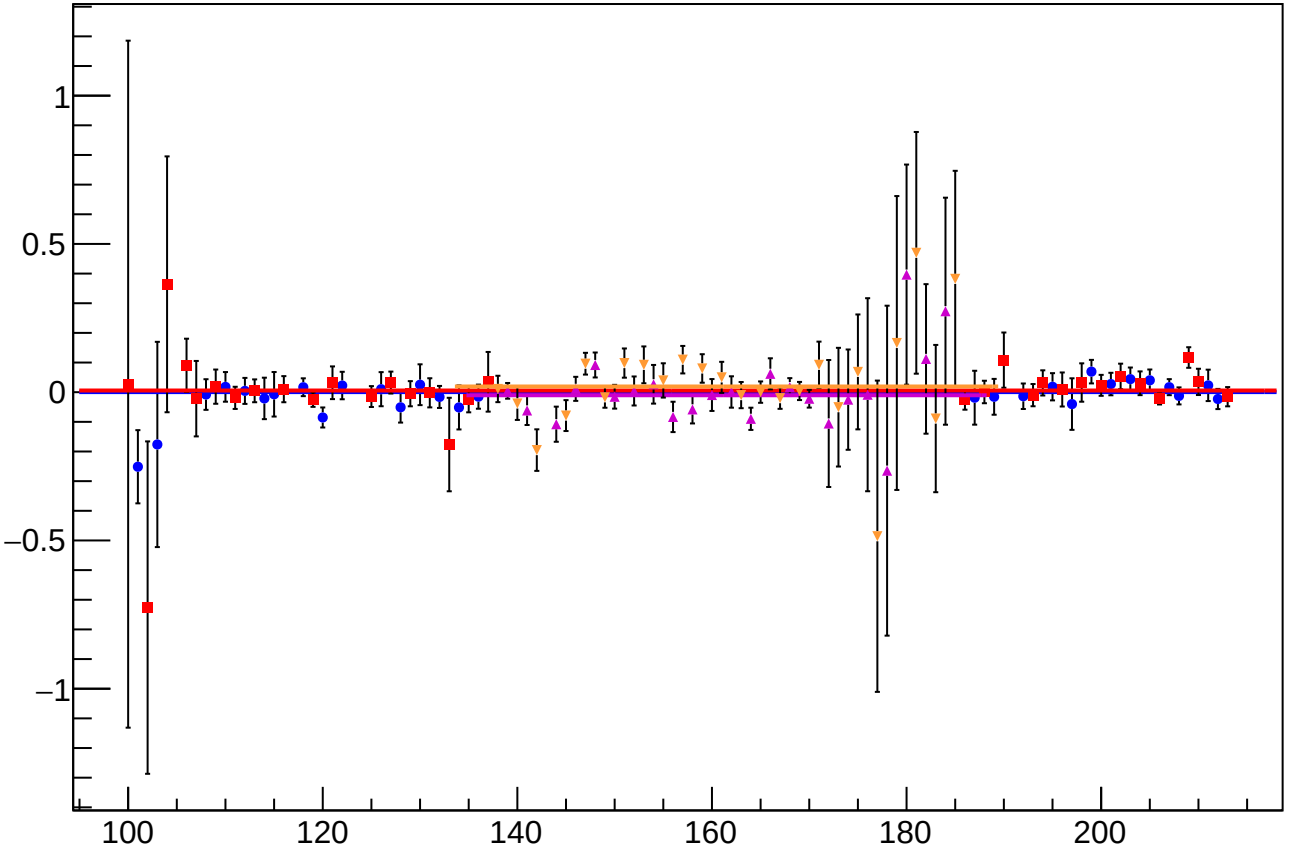
Right: 0.003+/-0.000 χ^2/NDF: 22800017.4/60

In: 0.003+/-0.000 χ^2/NDF:20820478.1/51

Out: 0.003+/-0.000 χ^2/NDF:16172592.0/55

All: 0.003+/-0.000 χ^2/NDF: 37927592.0/107

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.008 χ^2/NDF: 21.4/28

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

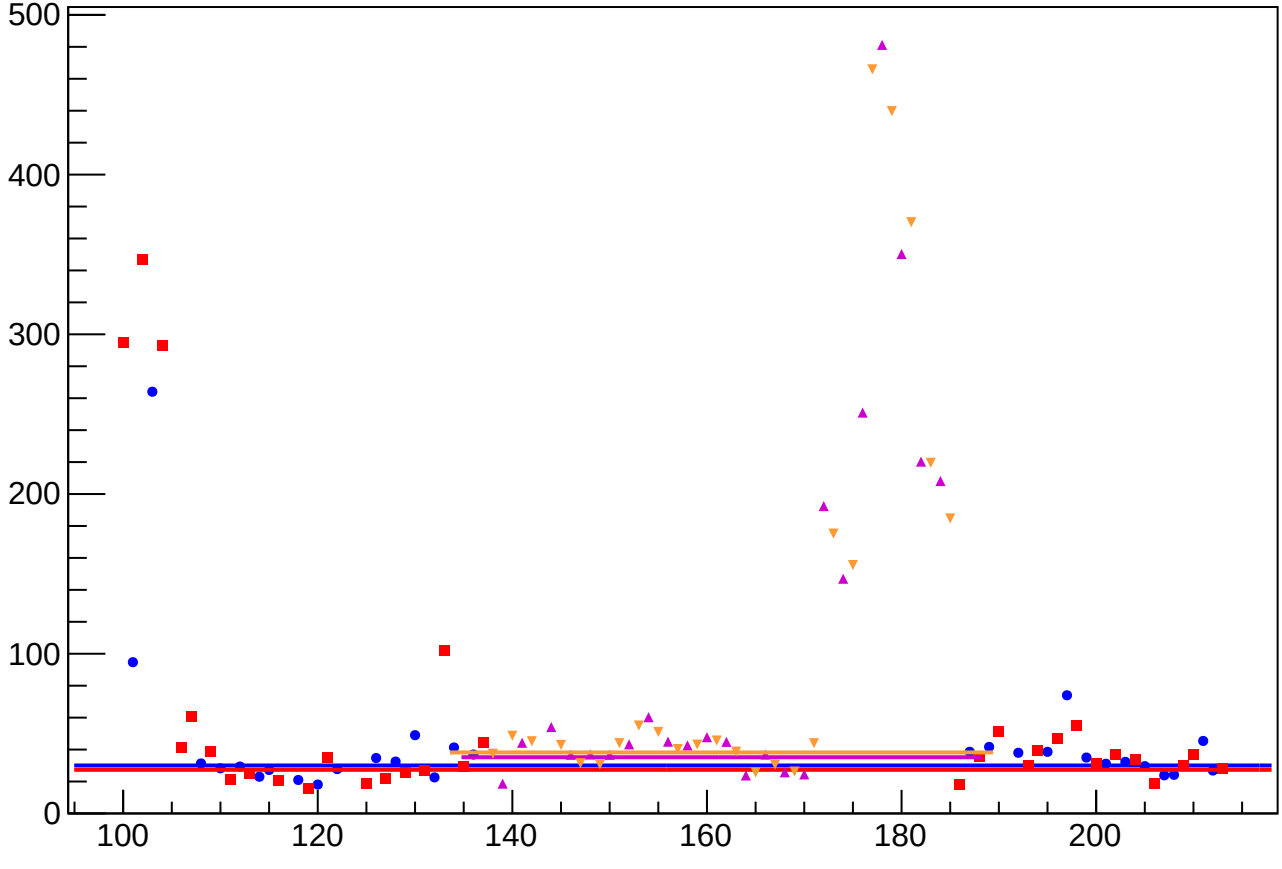
Right: 0.003+/-0.006 χ^2/NDF: 47.5/60

In: -0.004+/-0.006 χ^2/NDF:45.7/51

Out: 0.010+/-0.006 χ^2/NDF:62.9/55

All: 0.003+/-0.004 χ^2/NDF: 111.0/107

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.033+/-0.006 χ^2/NDF: 3434571.8/28

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

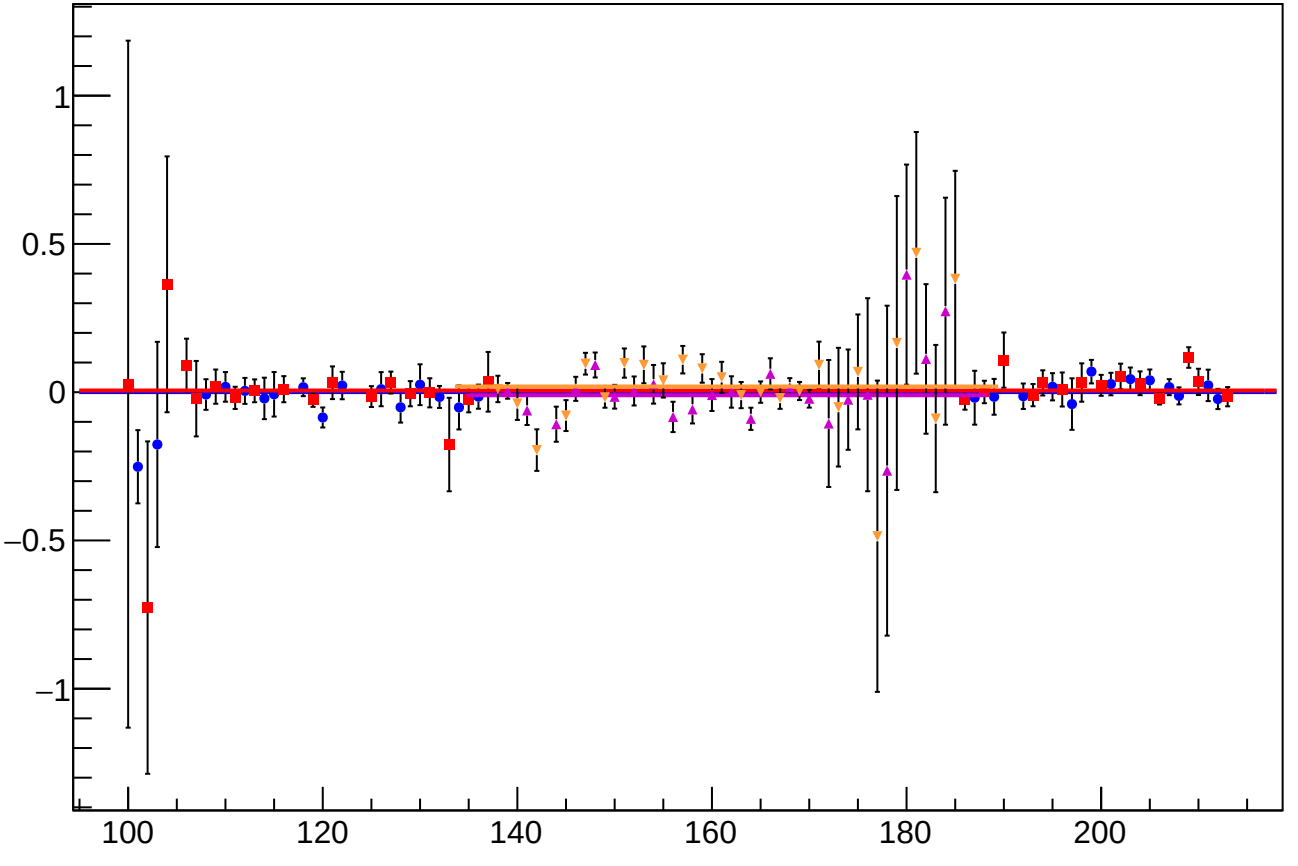
Right: 28.559+/-0.004 χ^2/NDF: 8372607.9/60

In: 32.060+/-0.005 χ^2/NDF:13133213.4/51

Out: 30.888+/-0.004 χ^2/NDF:14470362.4/55

All: 31.451+/-0.003 χ^2/NDF: 27638086.4/107

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.008 χ^2/NDF: 21.4/28

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

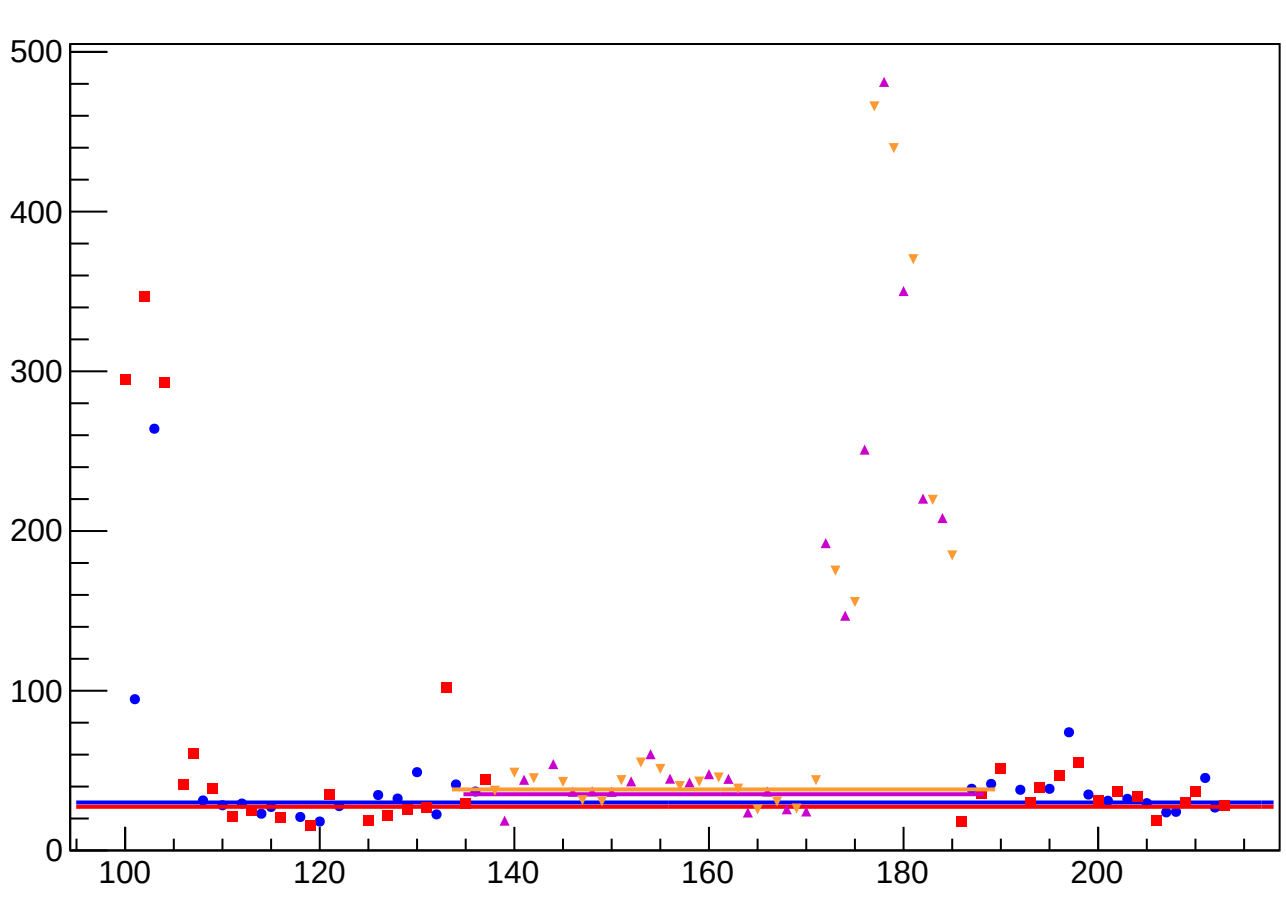
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.003+/-0.006 χ^2/NDF: 47.5/60

In: -0.004+/-0.006 χ^2/NDF:45.7/51

Out: 0.010+/-0.006 χ^2/NDF:62.9/55

All: 0.003+/-0.004 χ^2/NDF: 111.0/107



Right In: 30.033+/-0.006 χ^2/NDF: 3434571.8/28

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

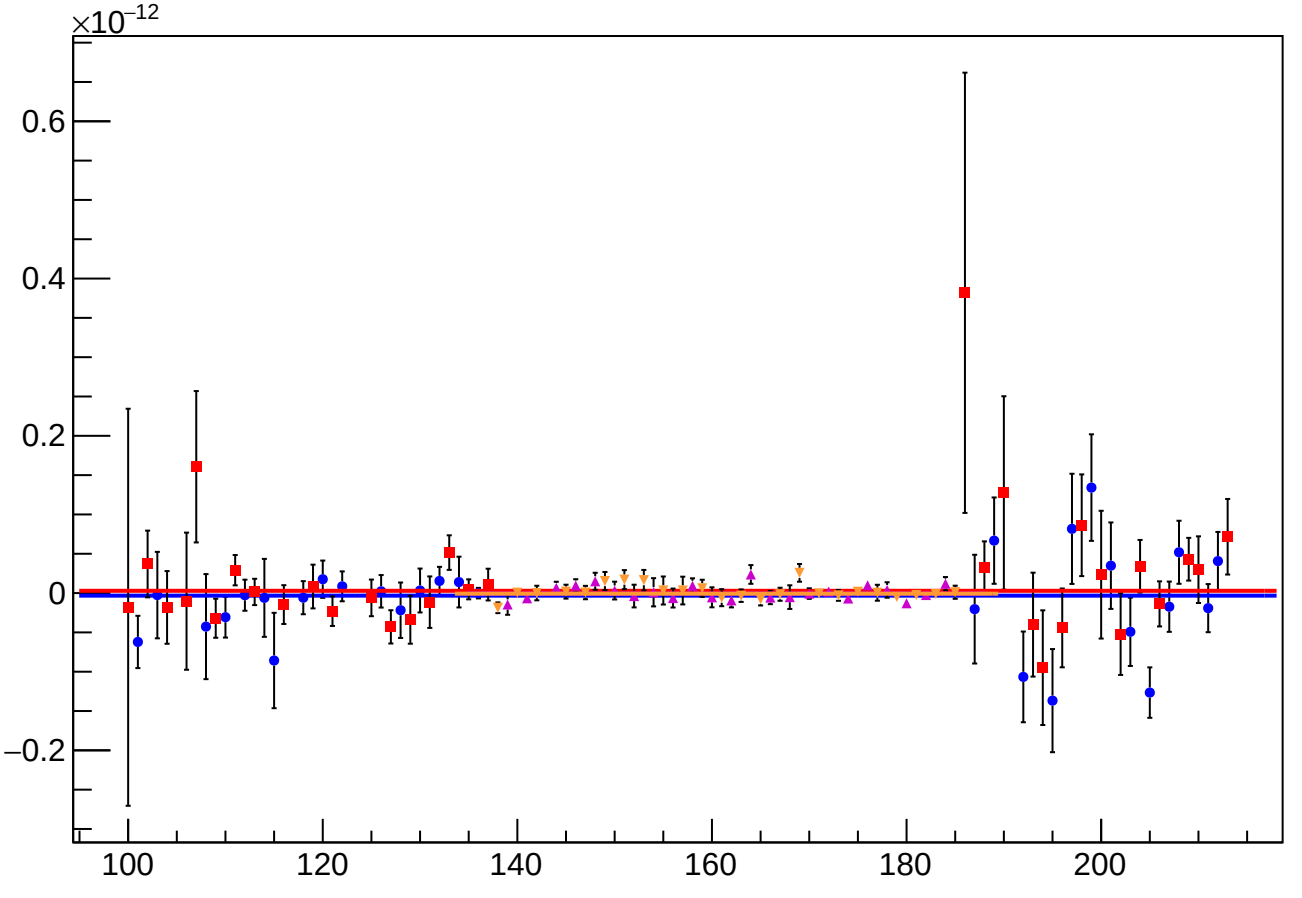
Right: 28.559+/-0.004 χ^2/NDF: 8372607.9/60

In: 32.060+/-0.005 χ^2/NDF:13133213.4/51

Out: 30.888+/-0.004 χ^2/NDF:14470362.4/55

All: 31.451+/-0.003 χ^2/NDF: 27638086.4/107

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 44.4/28

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

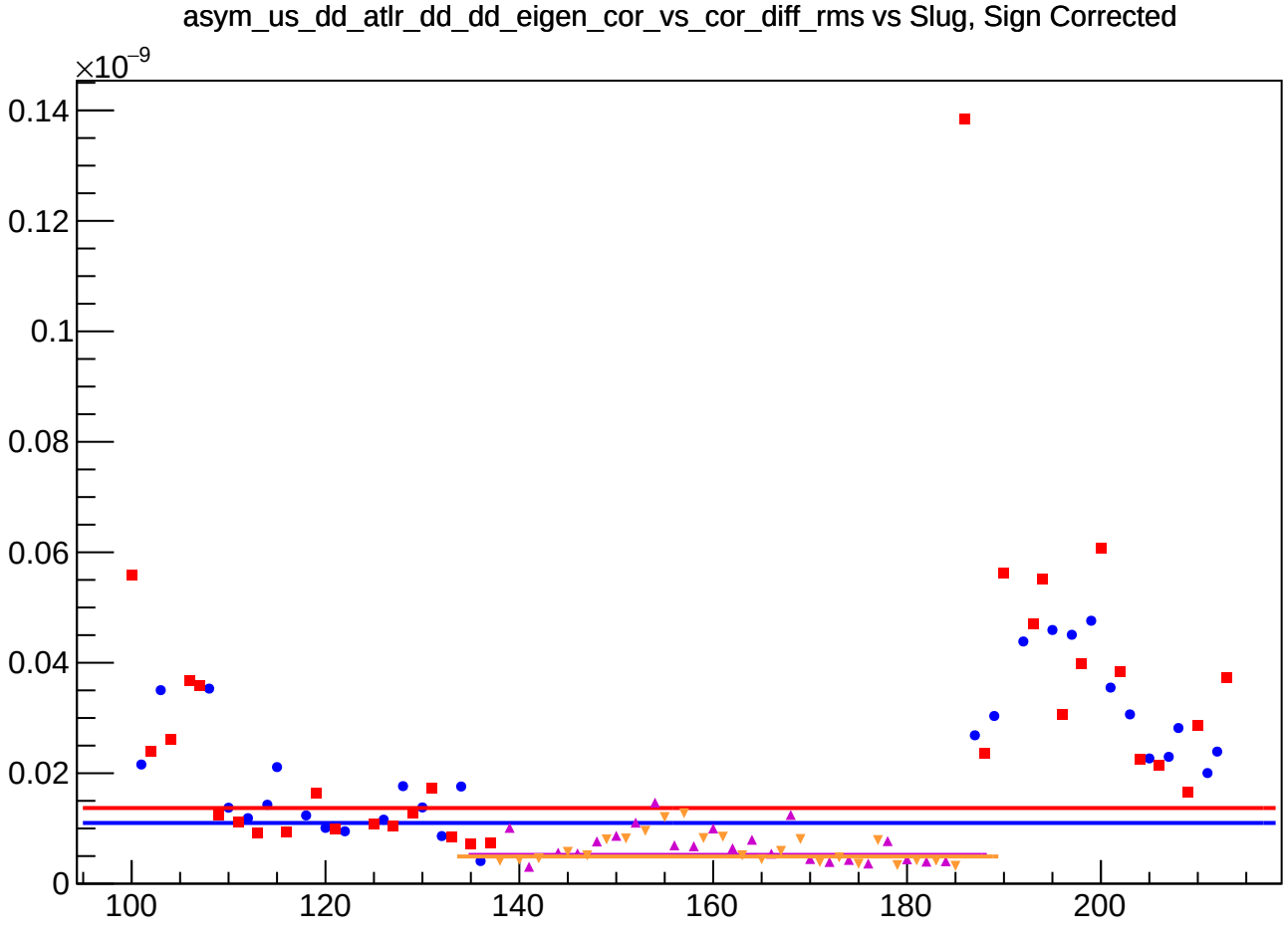
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

Right: -0.000+/-0.000 χ^2/NDF: 82.1/60

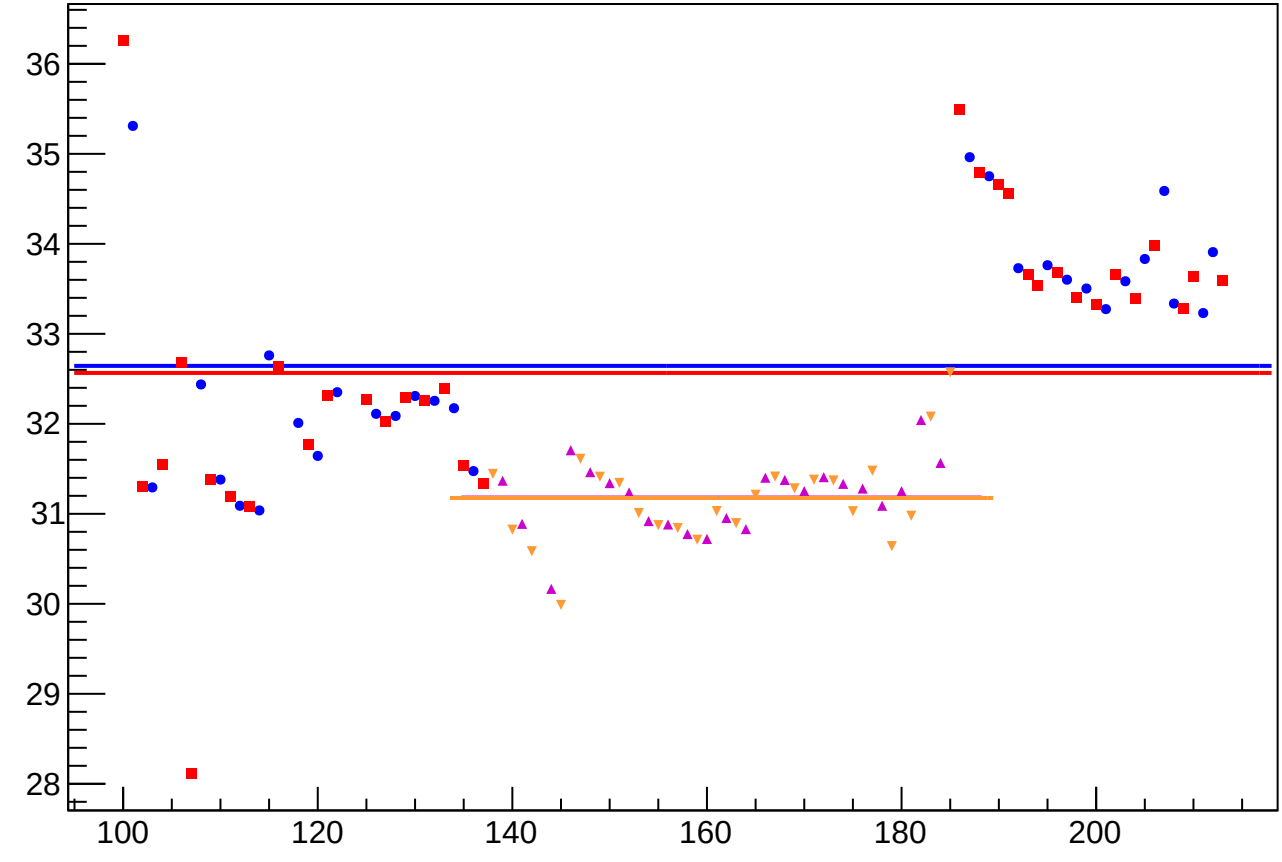
In: -0.000+/-0.000 χ^2/NDF:71.0/51

Out: -0.000+/-0.000 χ^2/NDF:58.5/55

All: -0.000+/-0.000 χ^2/NDF: 129.5/107


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: 8068493.3/28
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: 14918343.7/60
In: 0.000+/-0.000 χ²/NDF:14485467.3/51
Out: 0.000+/-0.000 χ²/NDF:14600055.1/55
All: 0.000+/-0.000 χ²/NDF: 29105410.2/107

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.644+/-0.000 χ^2/NDF: 2410680311.9/28

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

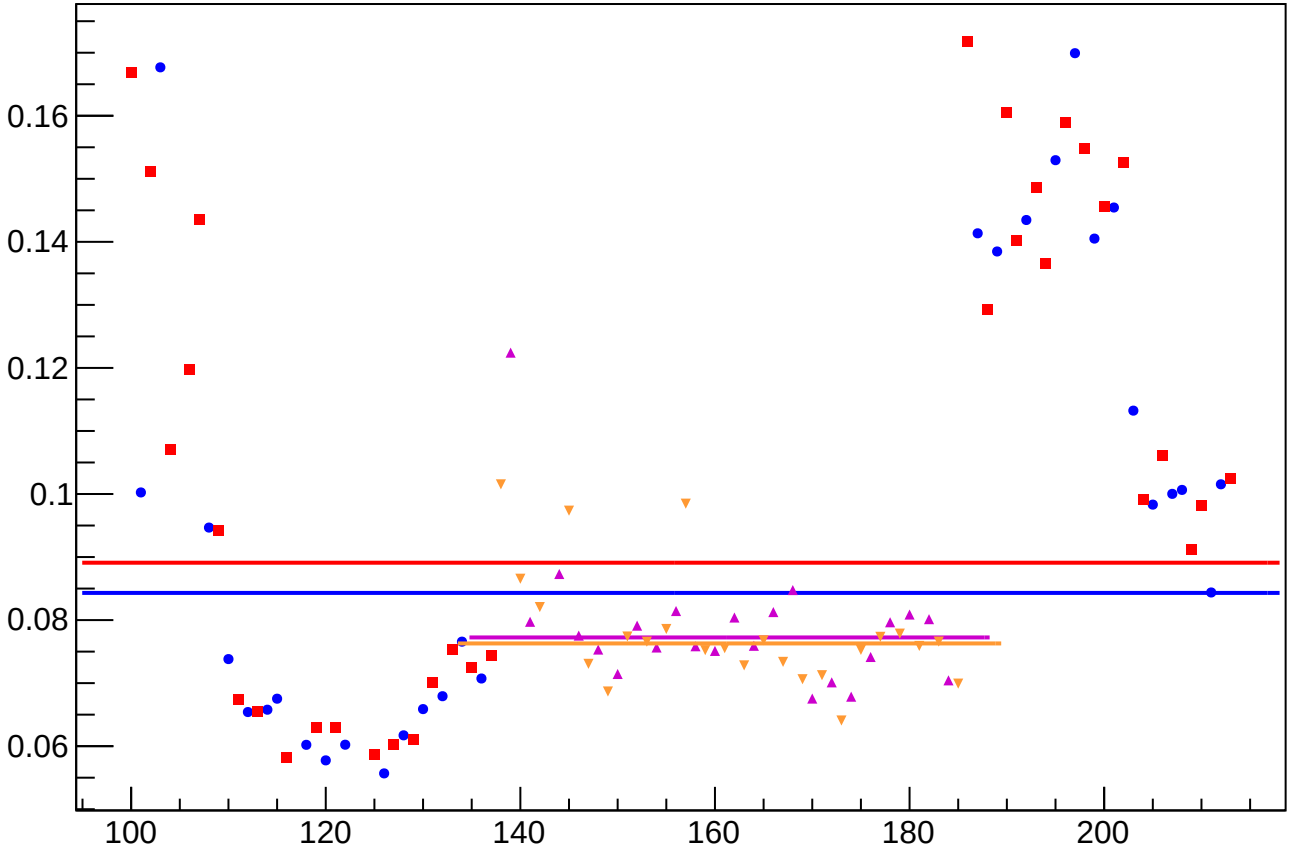
Right: 32.605+/-0.000 χ^2/NDF: 4689168679.0/61

In: 31.805+/-0.000 χ^2/NDF:5319038089.7/51

Out: 31.744+/-0.000 χ^2/NDF:5075319261.7/56

All: 31.775+/-0.000 χ^2/NDF: 10403462639.8

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.084+/-0.000 χ^2/NDF: 3491389.4/28

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

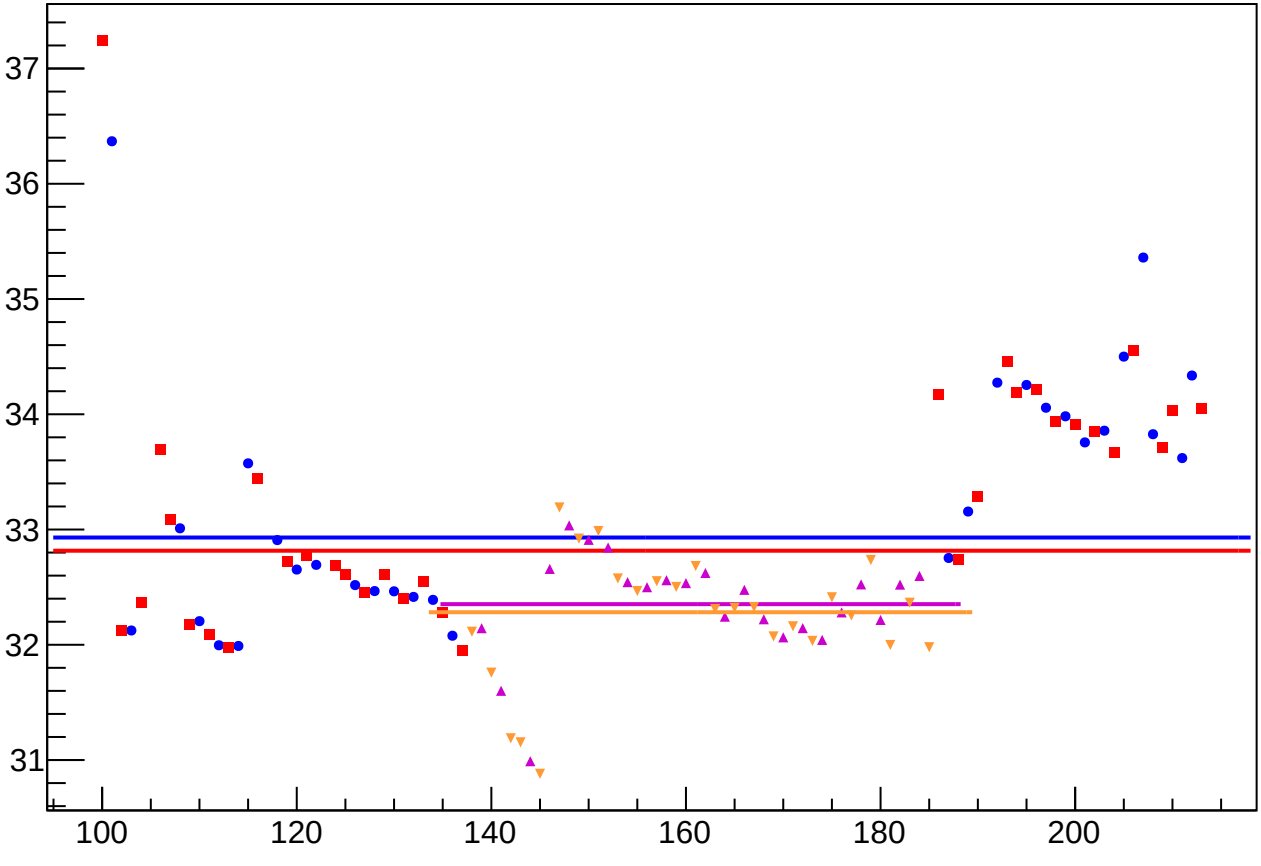
Right: 0.087+/-0.000 χ^2/NDF: 7525929.6/61

In: 0.080+/-0.000 χ^2/NDF:3974694.6/51

Out: 0.082+/-0.000 χ^2/NDF:4730909.4/56

All: 0.081+/-0.000 χ^2/NDF: 8713435.1/108

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.931+/-0.000 χ^2/NDF: 1189553338.6/28

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

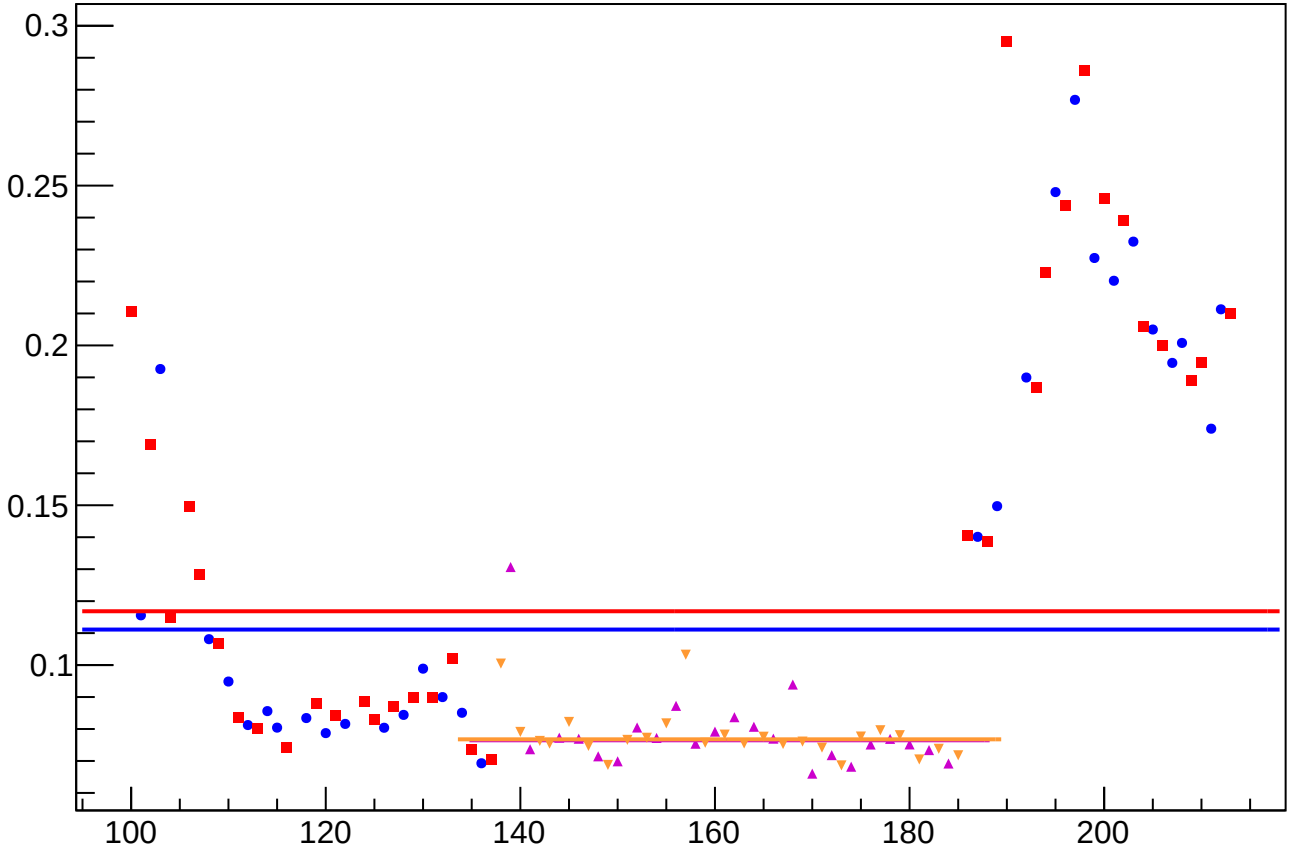
Right: 32.874+/-0.000 χ^2/NDF: 1809410642.2/61

In: 32.510+/-0.000 χ^2/NDF:2041240324.4/51

Out: 32.422+/-0.000 χ^2/NDF:1674936526.5/57

All: 32.465+/-0.000 χ^2/NDF: 3731732594.0/1

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.111+/-0.000 χ^2/NDF: 5925391.5/28

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

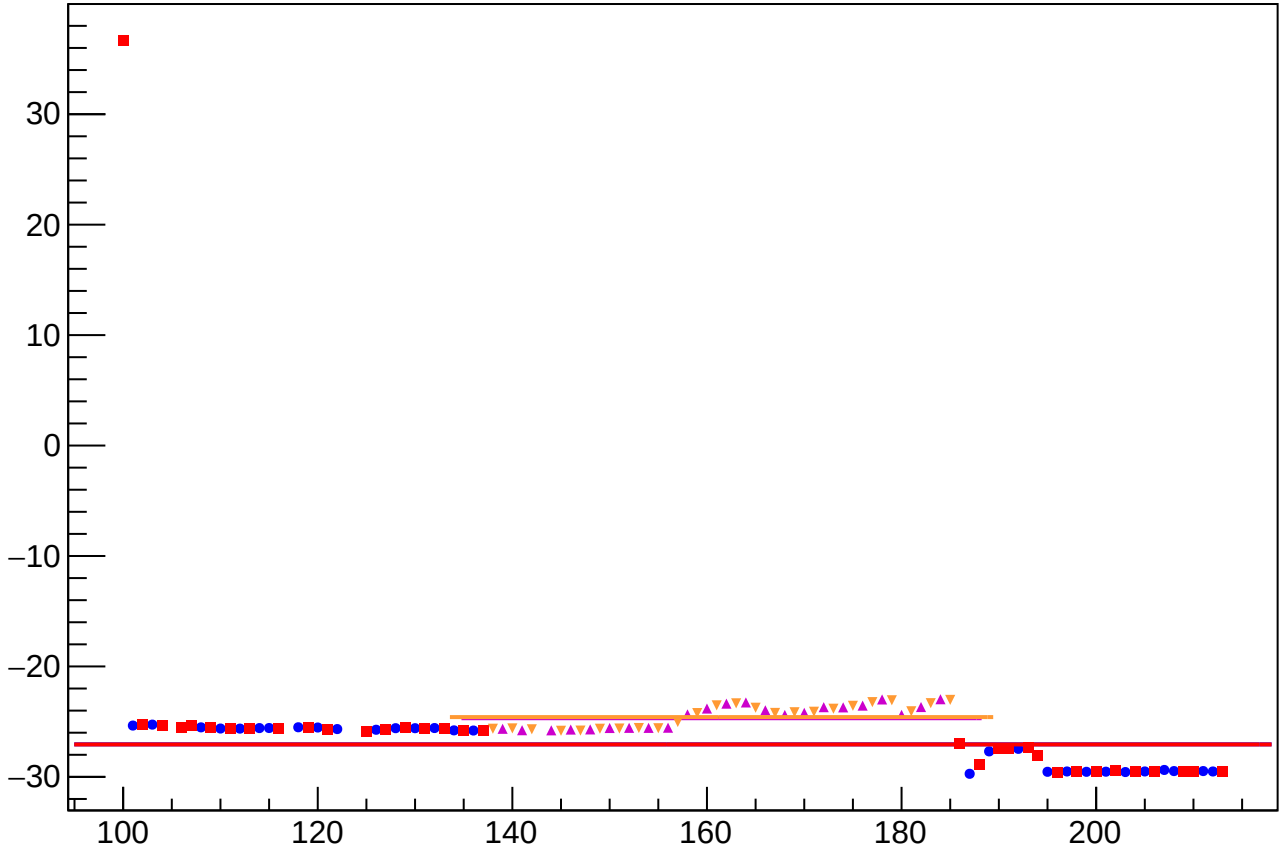
Right: 0.114+/-0.000 χ^2/NDF: 11997017.8/61

In: 0.086+/-0.000 χ^2/NDF:8287909.2/51

Out: 0.087+/-0.000 χ^2/NDF:8801692.9/57

All: 0.087+/-0.000 χ^2/NDF: 17096709.8/109

yield_dsl_mean vs Slug, Sign Corrected



Right In: -27.055+/-0.000 χ^2/NDF: 23396914554.6/28

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

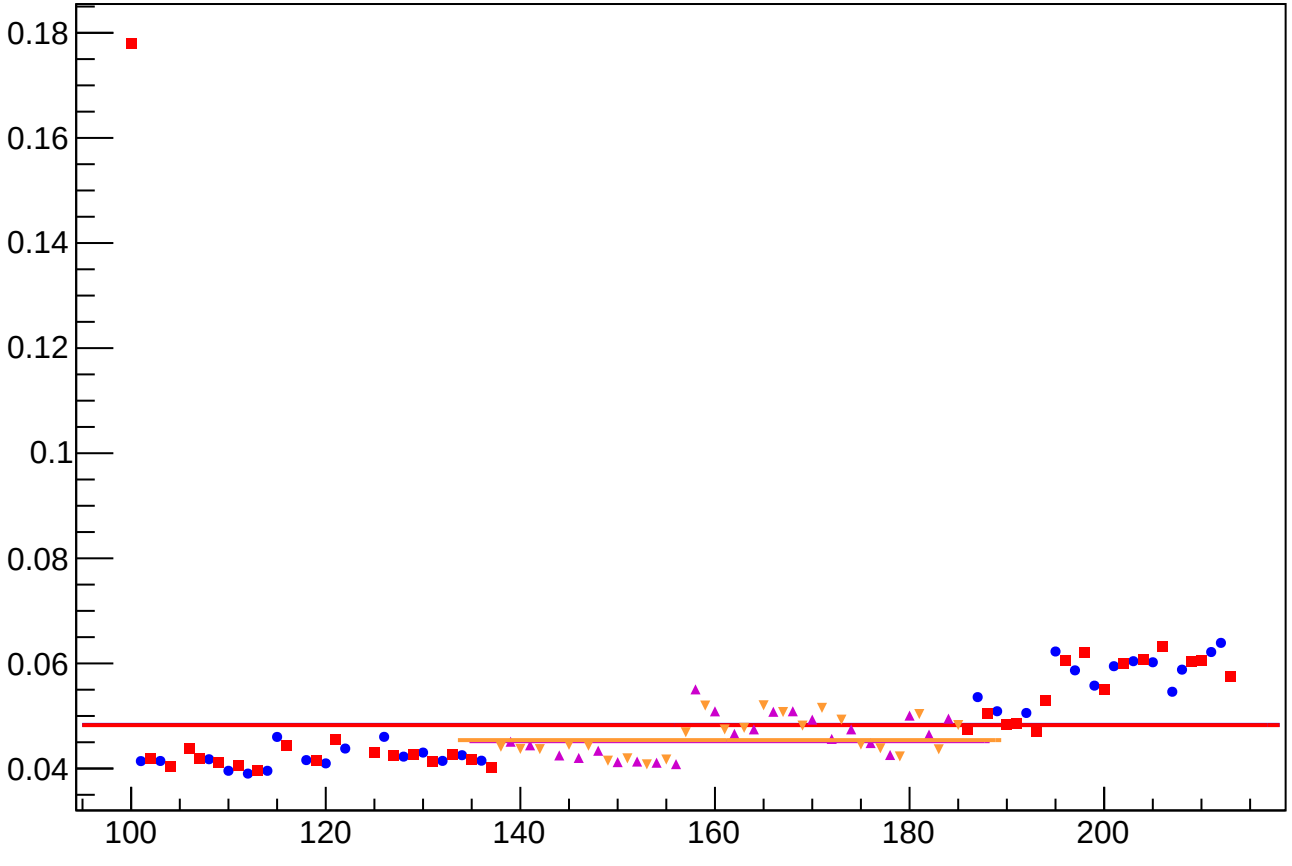
Right: -27.059+/-0.000 χ^2/NDF: 55898605524.1/61

In: -25.747+/-0.000 χ^2/NDF:54030791474.9/51

Out: -25.745+/-0.000 χ^2/NDF:66713460518.2/56

All: -25.746+/-0.000 χ^2/NDF: 120744270723

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.048+/-0.000 χ^2/NDF: 975110.1/28

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

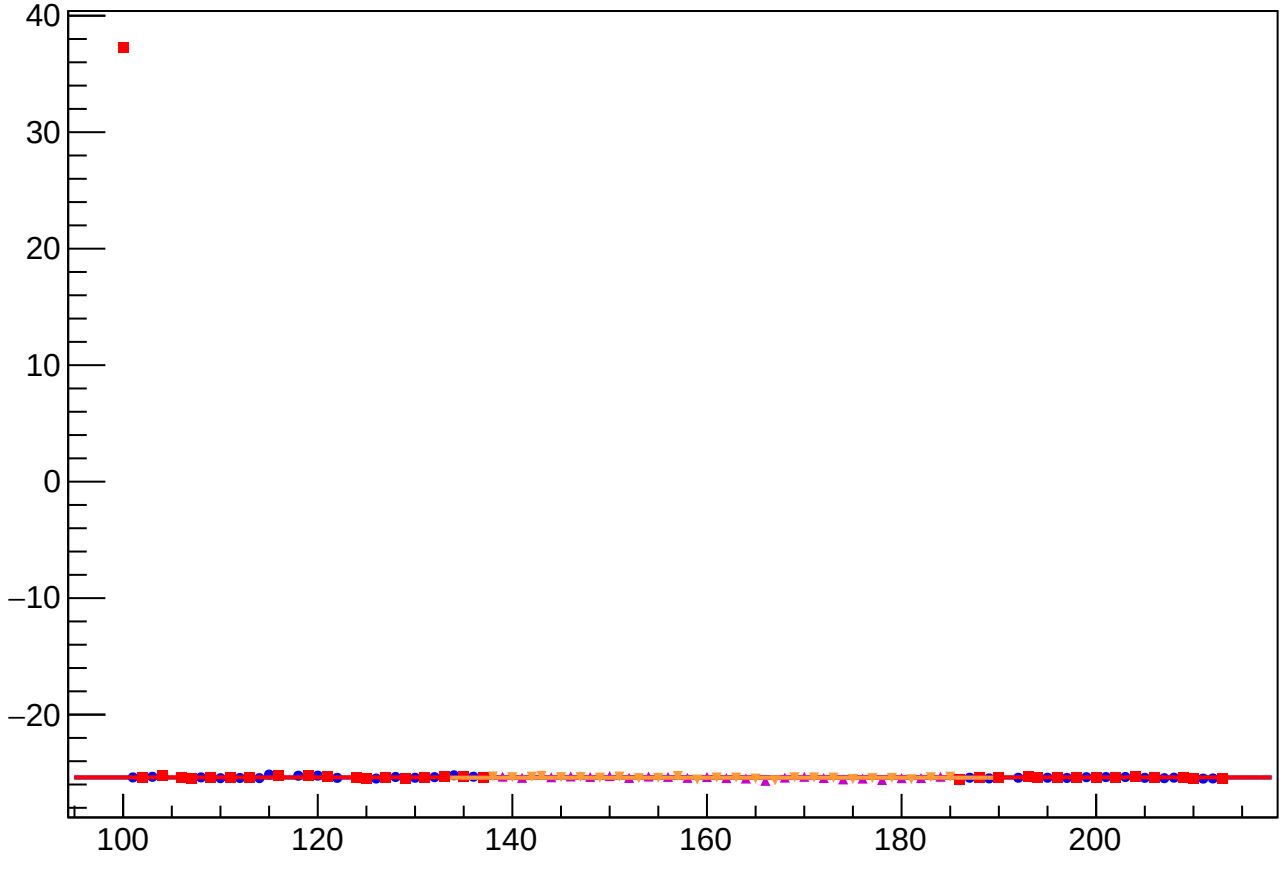
Right: 0.048+/-0.000 χ^2/NDF: 2011168.9/61

In: 0.047+/-0.000 χ^2/NDF:1294766.9/51

Out: 0.047+/-0.000 χ^2/NDF:1308145.1/56

All: 0.047+/-0.000 χ^2/NDF: 2603268.7/108

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.402+/-0.000 χ^2/NDF: 26714653.7/28

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

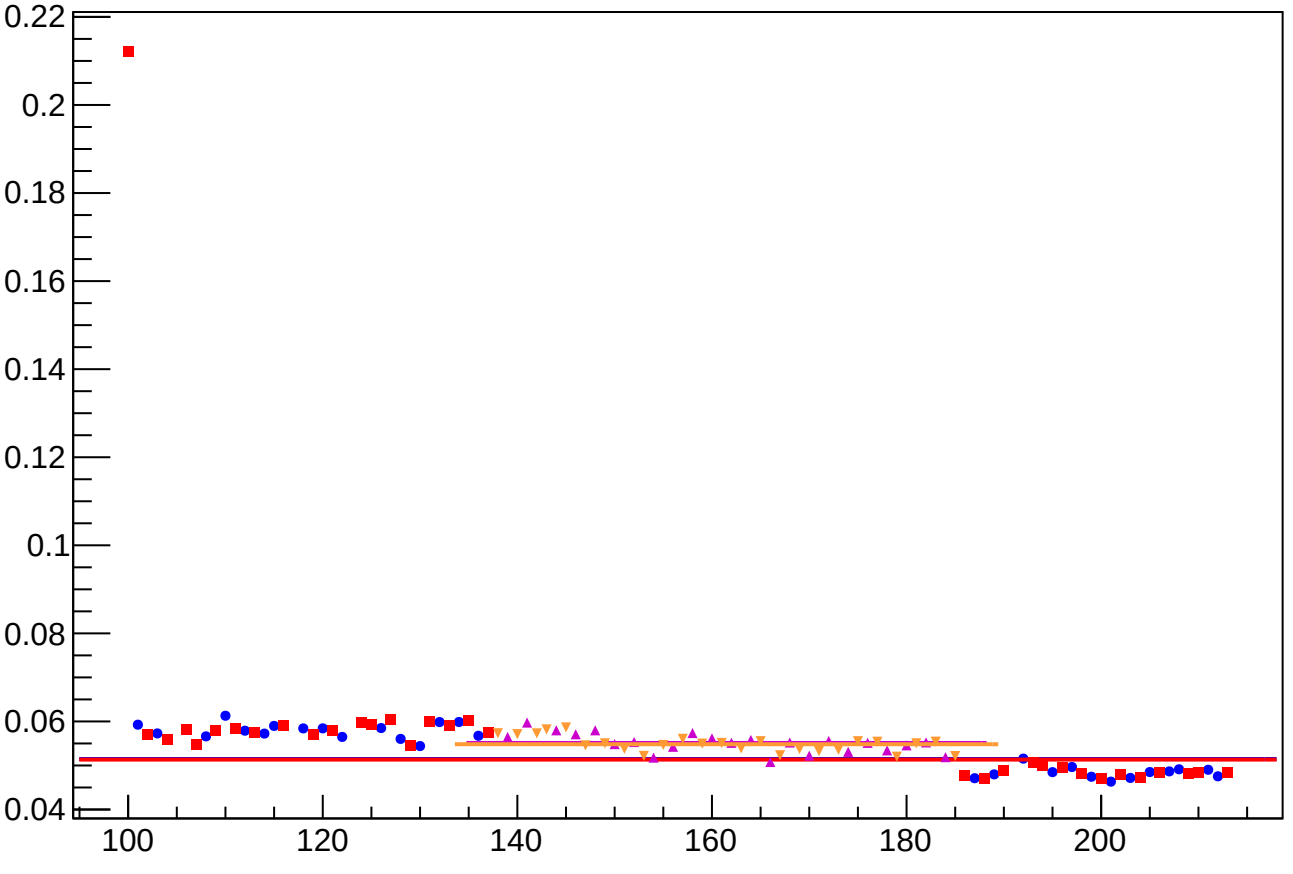
Right: -25.393+/-0.000 χ^2/NDF: 6373140978.4/61

In: -25.408+/-0.000 χ^2/NDF:83057134.3/51

Out: -25.400+/-0.000 χ^2/NDF:6401087287.4/57

All: -25.404+/-0.000 χ^2/NDF: 6484526951.5/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.051+/-0.000 χ^2/NDF: 269558.8/28

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

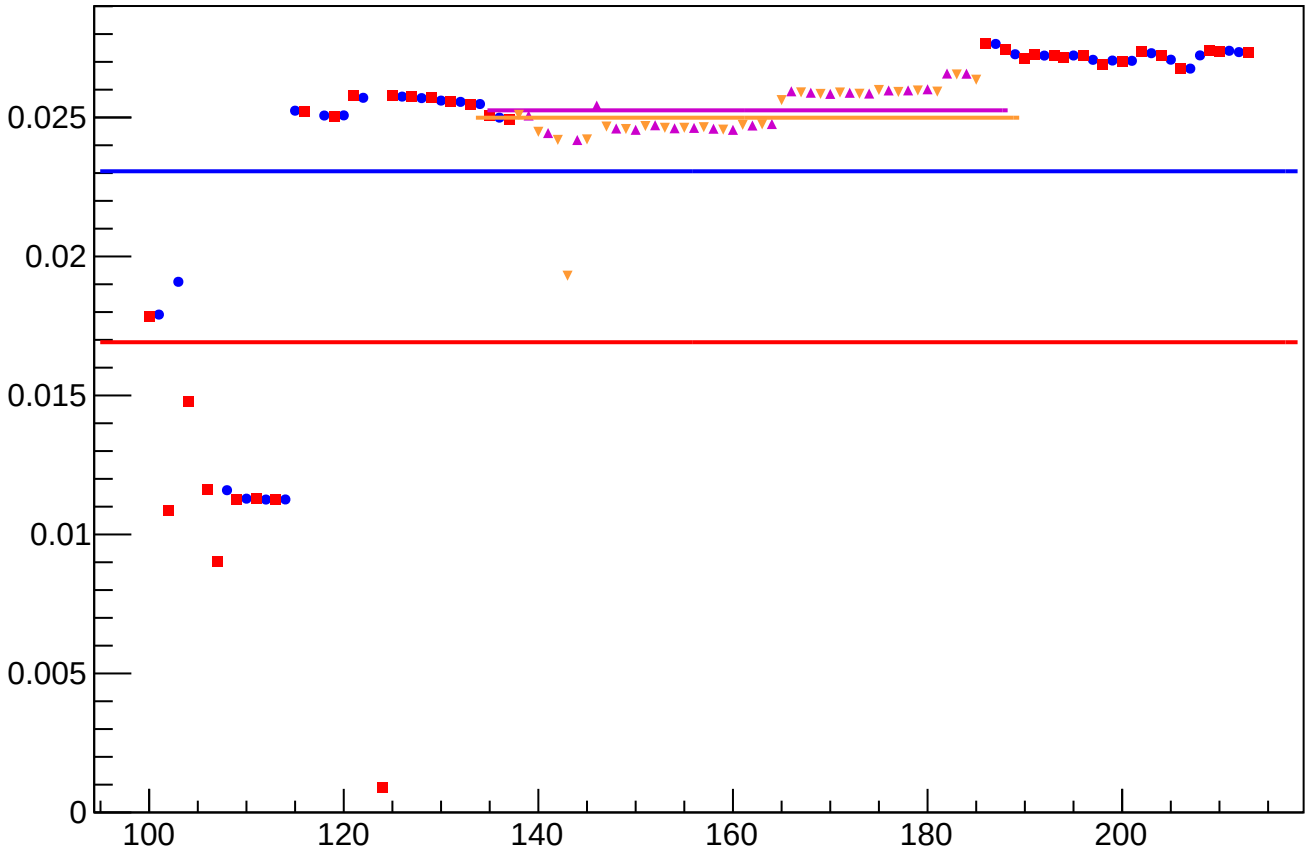
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.051+/-0.000 χ^2/NDF: 645317.9/61

In: 0.053+/-0.000 χ^2/NDF:401831.1/51

Out: 0.053+/-0.000 χ^2/NDF:492888.4/57

All: 0.053+/-0.000 χ^2/NDF: 895311.7/109



Right In: 0.023+/-0.000 χ^2/NDF: 97892415153.4/28

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.017+/-0.000 χ^2/NDF: 472010467401.3/33

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

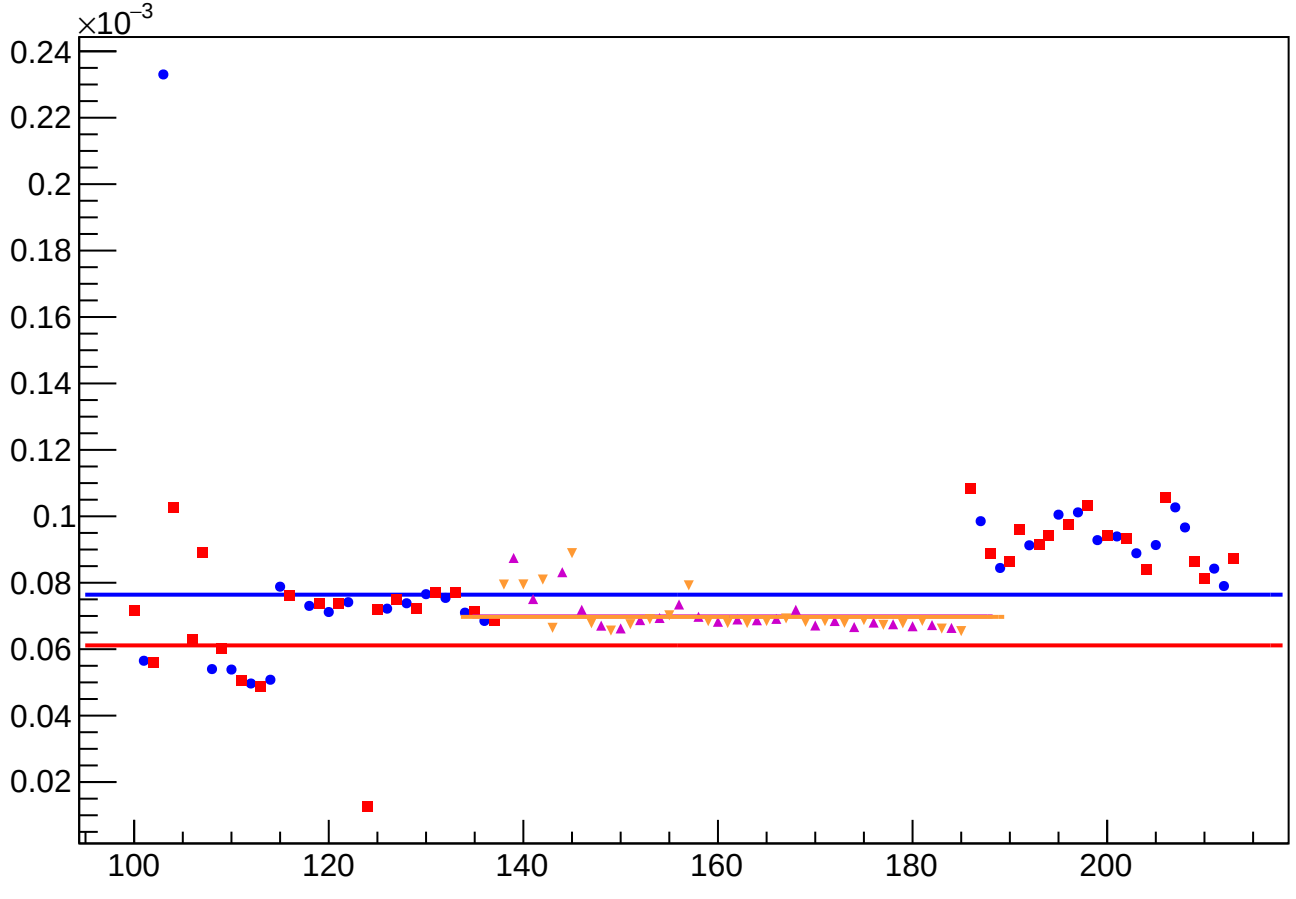
Right: 0.019+/-0.000 χ^2/NDF: 630490535884.3/62

In: 0.024+/-0.000 χ^2/NDF:107326267089.8/51

Out: 0.021+/-0.000 χ^2/NDF:606321753800.7/58

All: 0.022+/-0.000 χ^2/NDF: 753057297986.8

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1894302.4/28

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

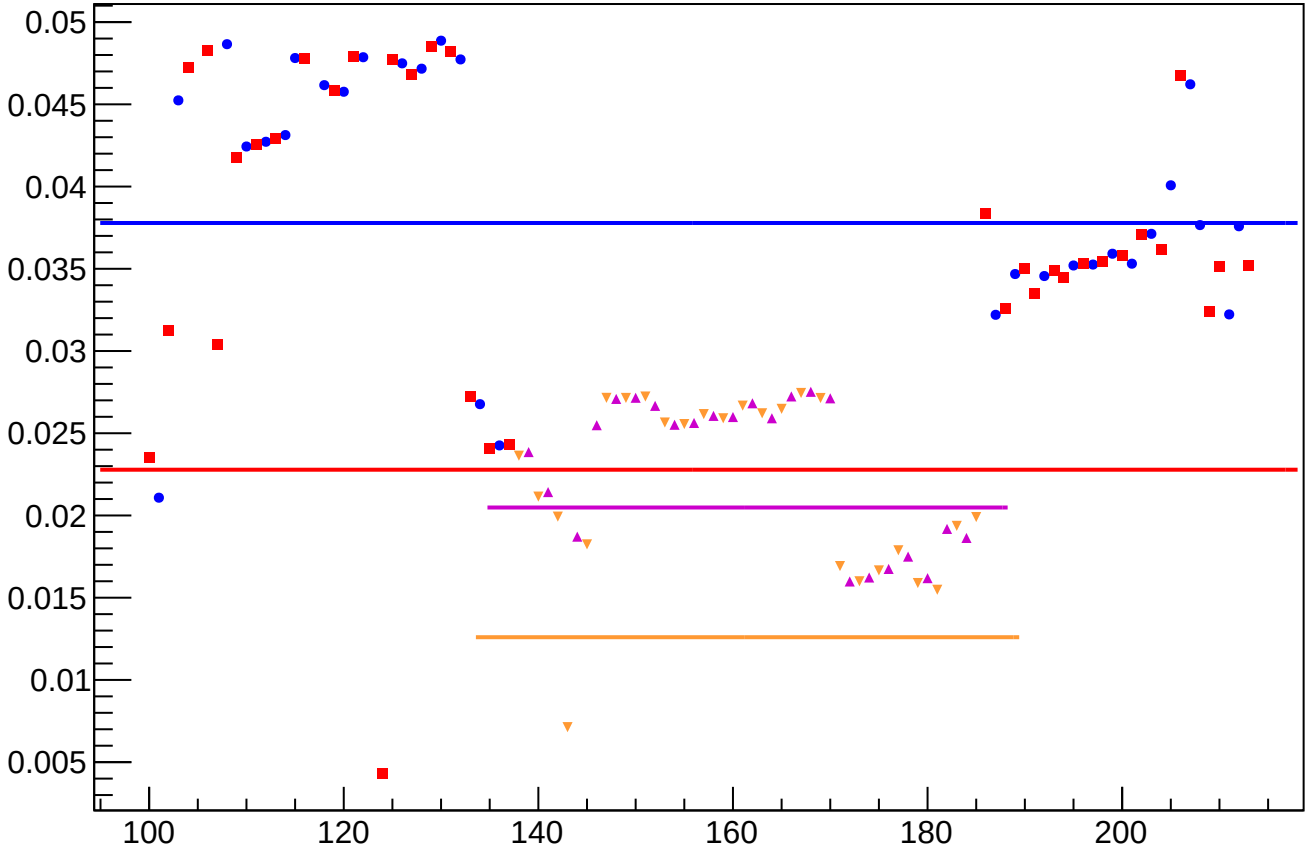
Right: 0.000+/-0.000 χ^2/NDF: 10385595.0/62

In: 0.000+/-0.000 χ^2/NDF:2181048.8/51

Out: 0.000+/-0.000 χ^2/NDF:8218386.9/58

All: 0.000+/-0.000 χ^2/NDF: 10764187.0/110

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7405592395.4/28

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

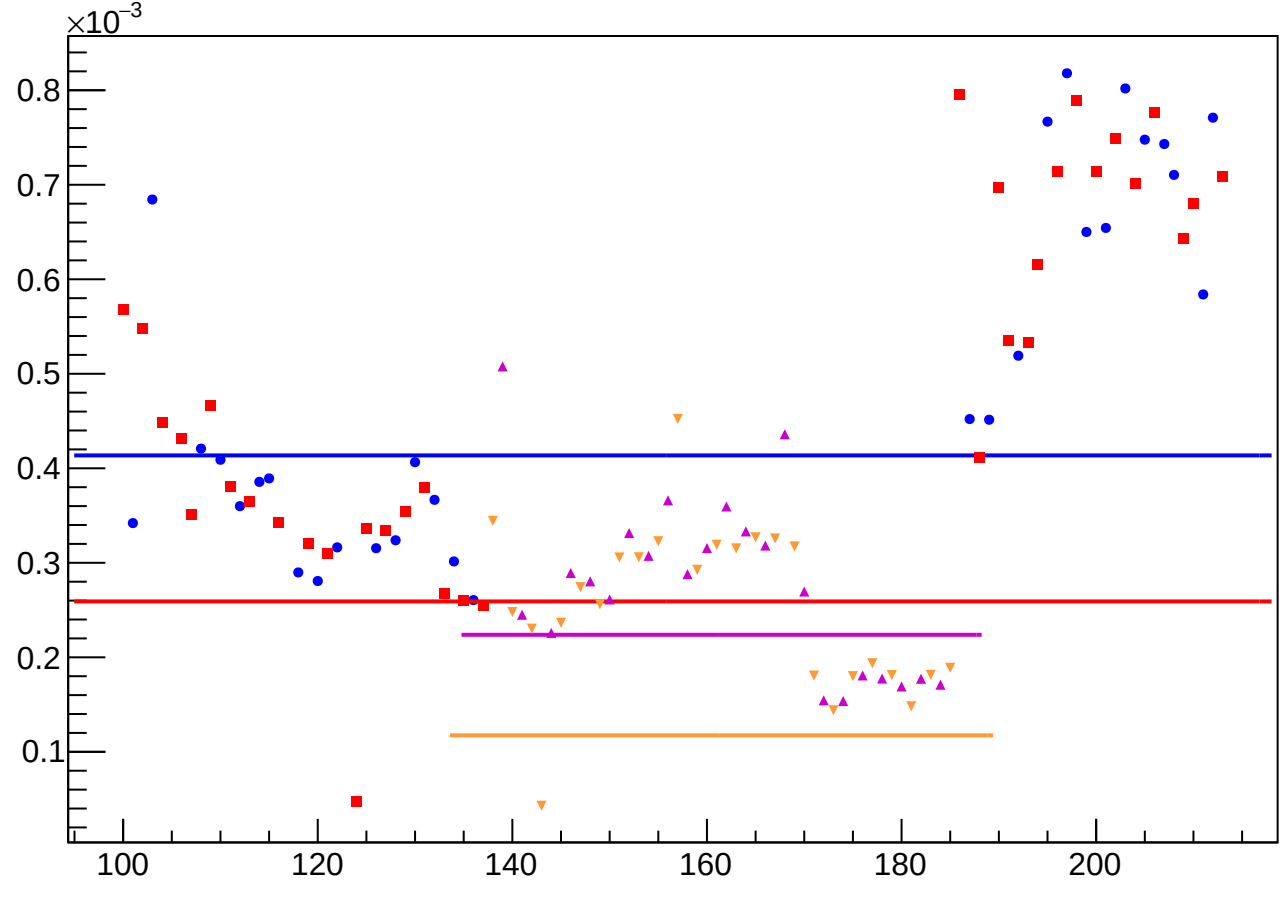
Right: 0.028+/-0.000 χ^2/NDF: 66840152367.0/62

In: 0.024+/-0.000 χ^2/NDF:32734044122.0/51

Out: 0.014+/-0.000 χ^2/NDF:97799694733.2/58

All: 0.017+/-0.000 χ^2/NDF: 156853773014.5

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4497463.5/28

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15240971.7/33

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

Left: 0.000+/-0.000 χ^2/NDF: 22654672.2/47

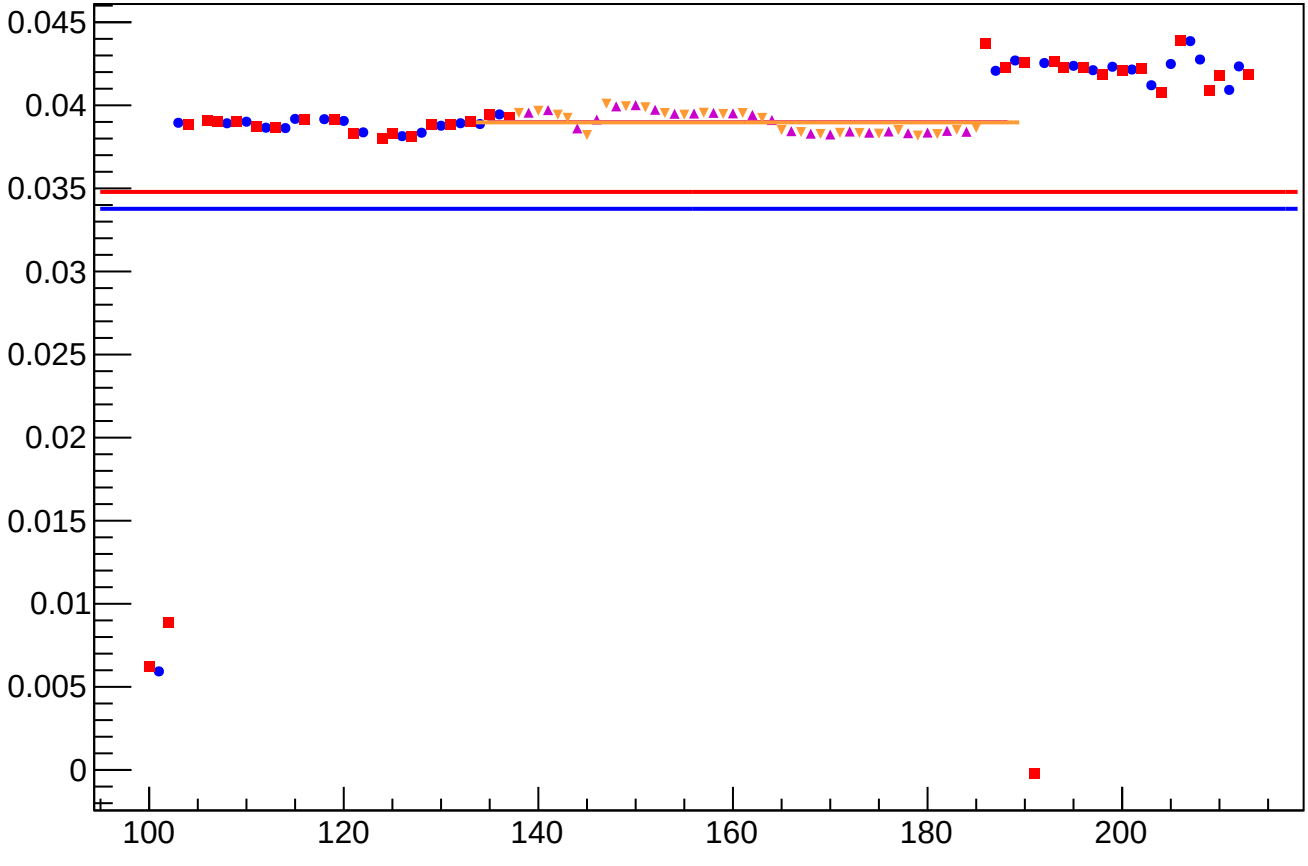
Right: 0.000+/-0.000 χ^2/NDF: 22255427.1/62

In: 0.000+/-0.000 χ^2/NDF:12514221.9/51

Out: 0.000+/-0.000 χ^2/NDF:34621532.9/58

All: 0.000+/-0.000 χ^2/NDF: 55334720.0/110

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 132437375763.0/28

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

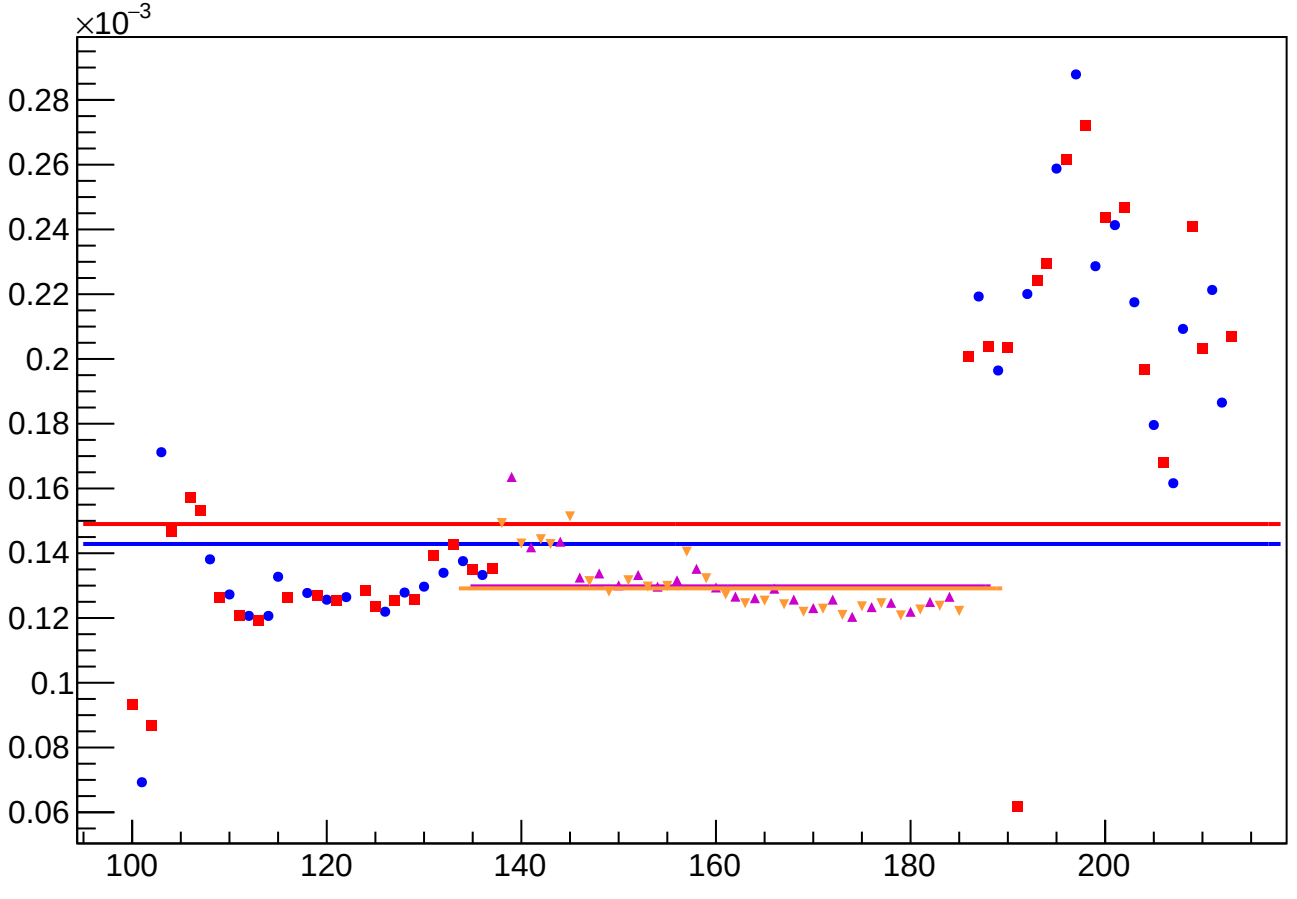
Right: 0.034+/-0.000 χ^2/NDF: 254326032719.6/62

In: 0.037+/-0.000 χ^2/NDF:144646021398.3/51

Out: 0.037+/-0.000 χ^2/NDF:129749132410.2/58

All: 0.037+/-0.000 χ^2/NDF: 274593631010.1

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3995294.8/28

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

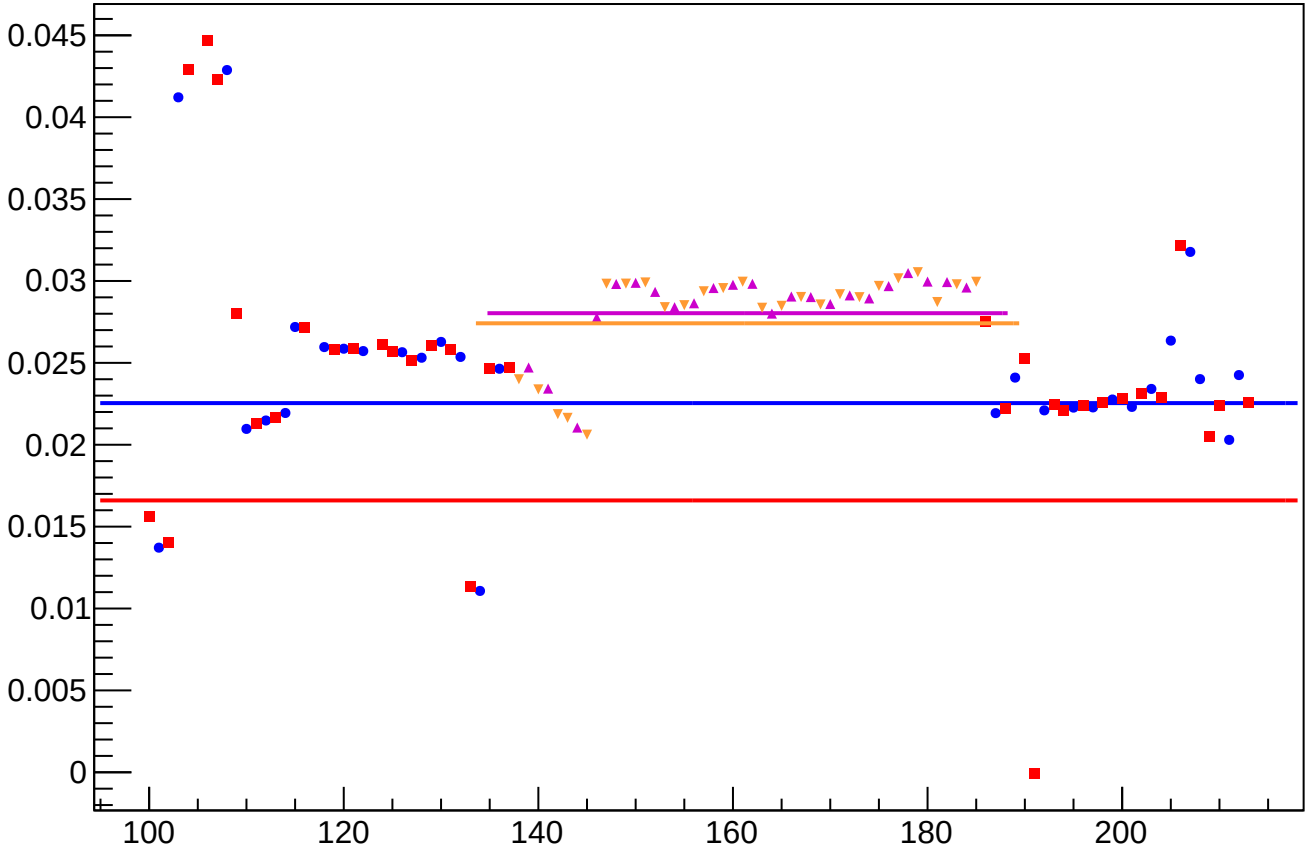
Right: 0.000+/-0.000 χ^2/NDF: 7945617.4/62

In: 0.000+/-0.000 χ^2/NDF:4285186.5/51

Out: 0.000+/-0.000 χ^2/NDF:4430104.2/58

All: 0.000+/-0.000 χ^2/NDF: 8721362.0/110

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 5207542736.0/28

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

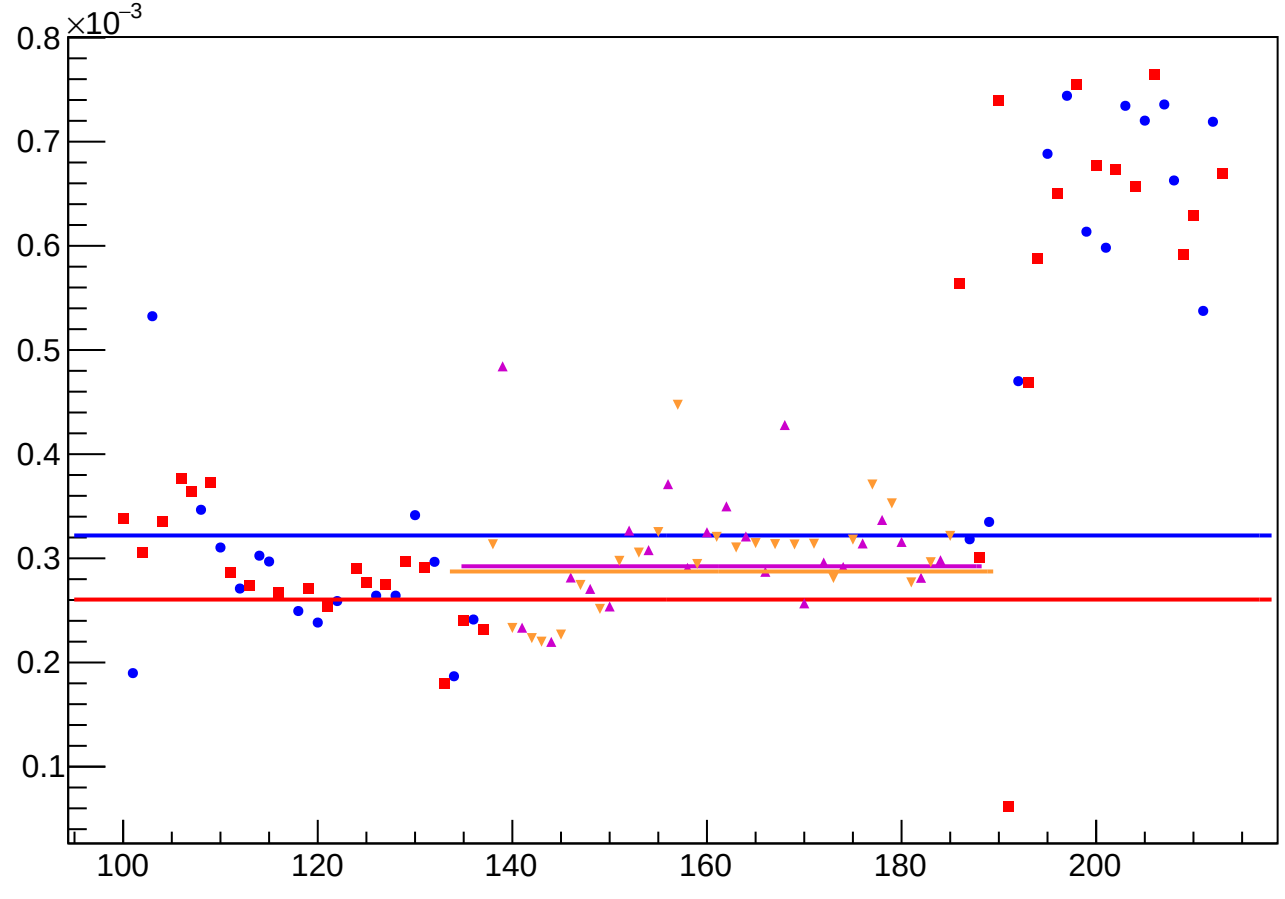
Right: 0.019+/-0.000 χ^2/NDF: 33602889617.8/62

In: 0.026+/-0.000 χ^2/NDF:8993718494.9/51

Out: 0.022+/-0.000 χ^2/NDF:39111441412.4/58

All: 0.024+/-0.000 χ^2/NDF: 50081842982.9/1

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6201092.5/28

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

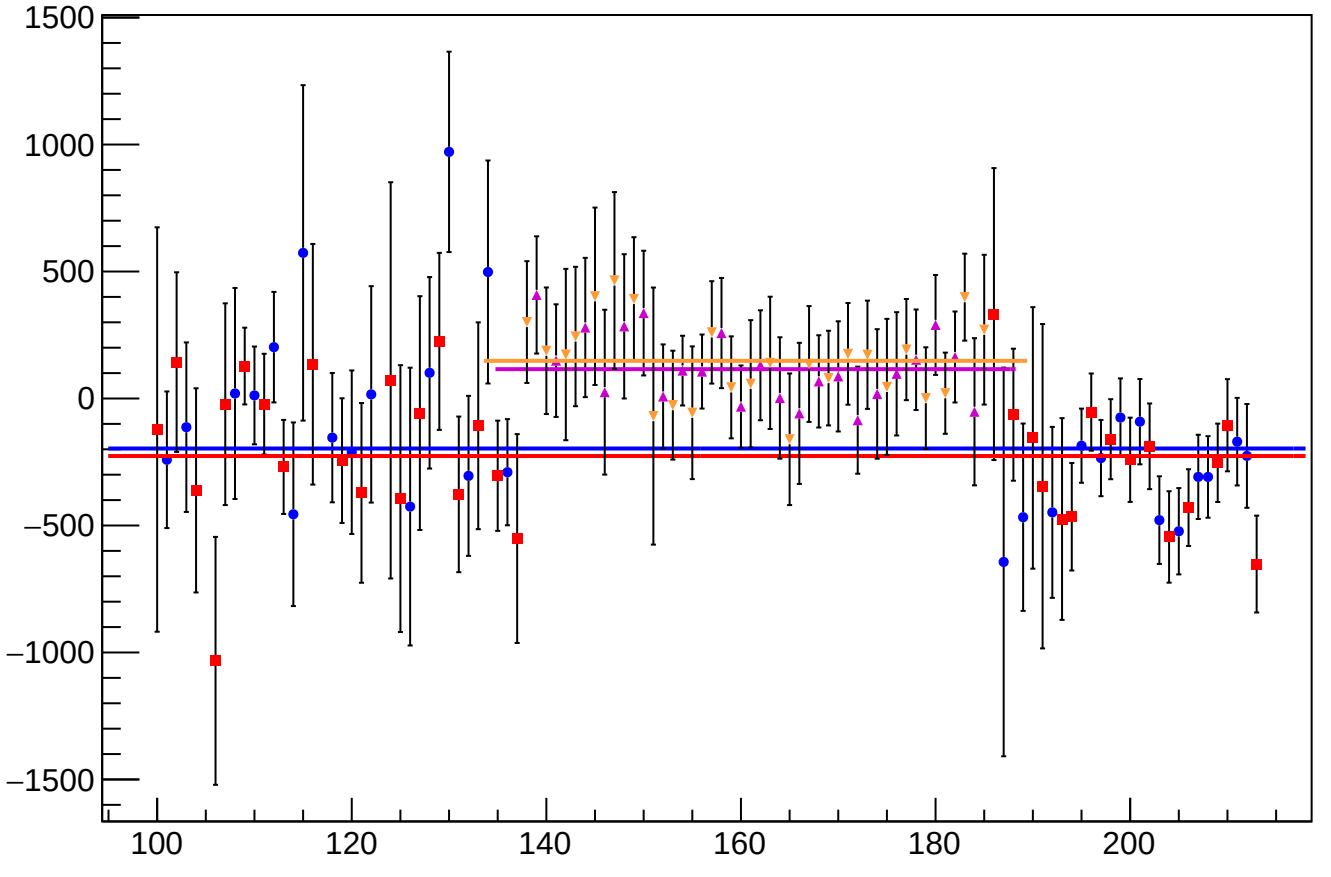
Right: 0.000+/-0.000 χ^2/NDF: 18190280.9/62

In: 0.000+/-0.000 χ^2/NDF:7304815.8/51

Out: 0.000+/-0.000 χ^2/NDF:12395786.2/58

All: 0.000+/-0.000 χ^2/NDF: 19991420.6/110

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -196.915+/-42.265 χ^2/NDF: 29.3/28

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

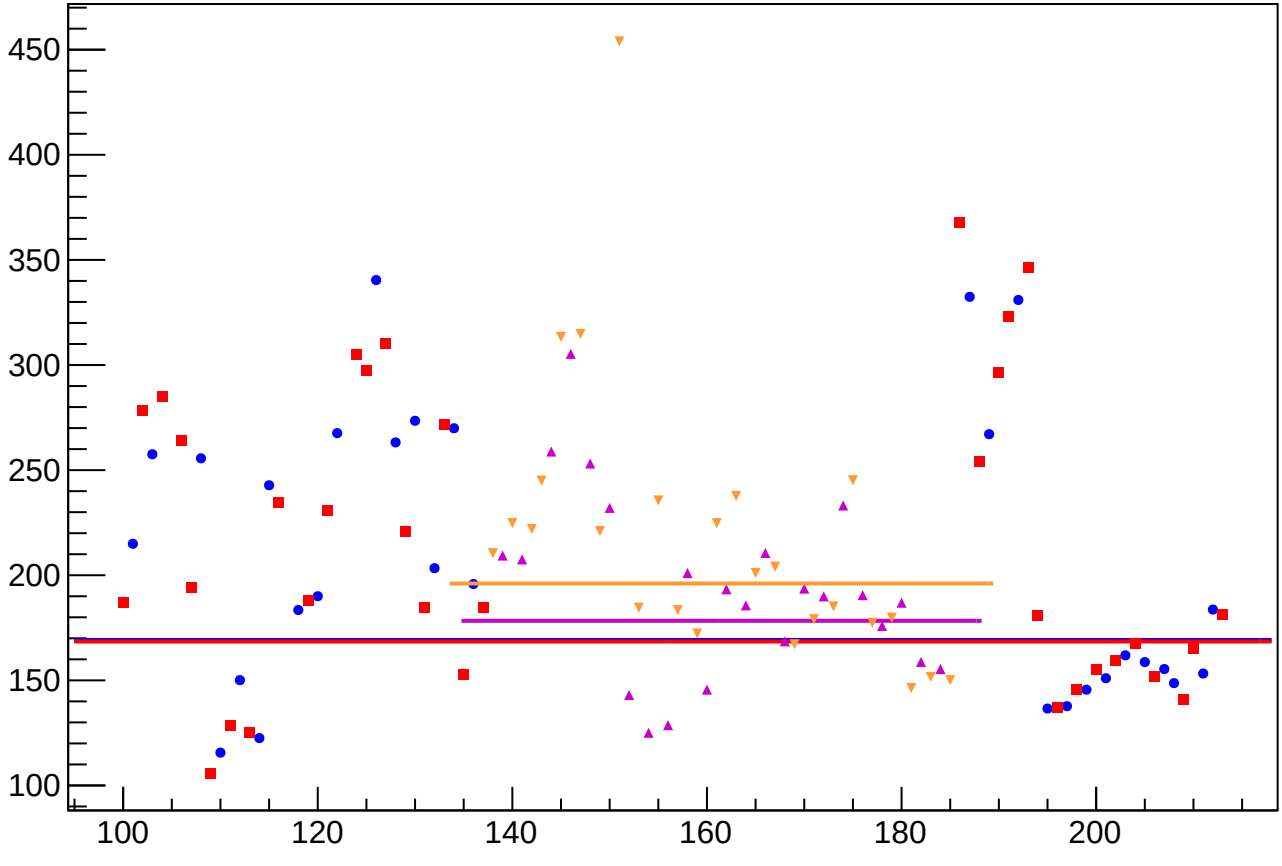
Right: -212.189+/-29.385 χ^2/NDF: 59.3/62

In: -45.455+/-30.336 χ^2/NDF:63.5/51

Out: -61.974+/-30.623 χ^2/NDF:77.0/58

All: -53.637+/-21.551 χ^2/NDF: 140.7/110

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 169.193+/-0.030 χ^2/NDF: 2292897.8/28

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

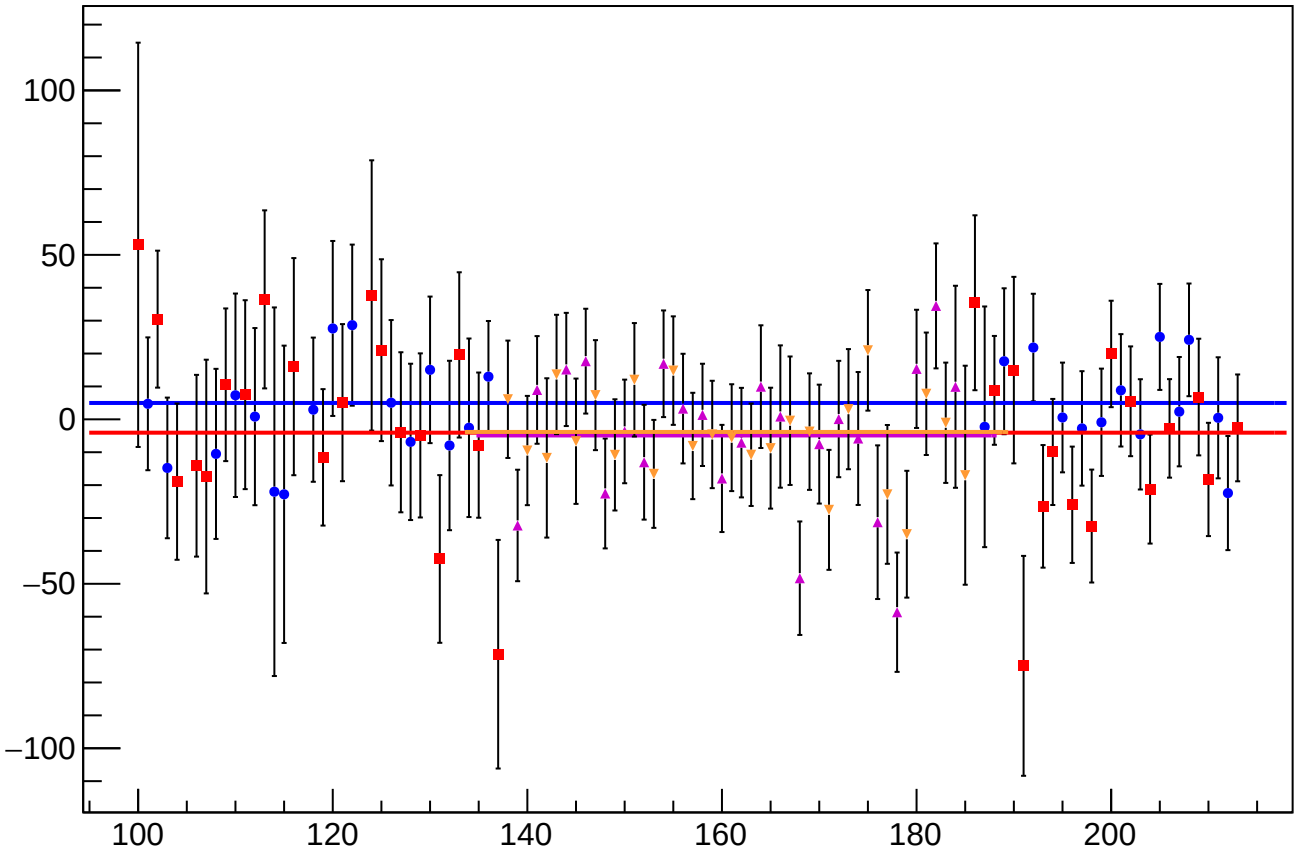
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 168.827+/-0.021 χ^2/NDF: 5304577.9/62

In: 173.617+/-0.021 χ^2/NDF:4016431.3/51

Out: 180.601+/-0.022 χ^2/NDF:5230056.2/58

All: 177.076+/-0.015 χ^2/NDF: 9298994.8/110



Right In: 4.978+/-3.847 χ^2/NDF: 12.1/28

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

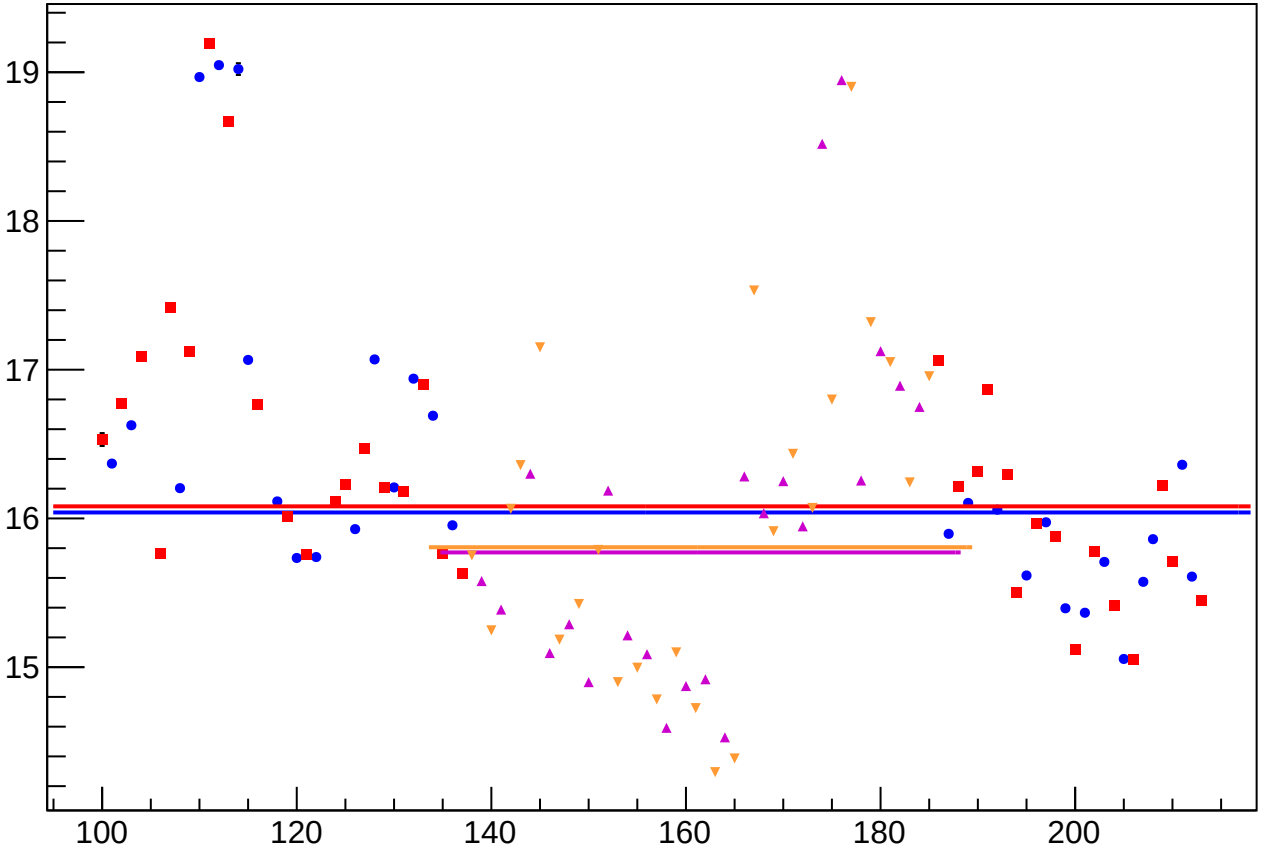
Right: 0.271+/-2.663 χ^2/NDF: 49.8/62

In: -0.161+/-2.665 χ^2/NDF:49.4/51

Out: -3.944+/-2.578 χ^2/NDF:47.6/58

All: -2.116+/-1.853 χ^2/NDF: 98.1/110

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.040+/-0.003 χ^2/NDF: 79300.2/28

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

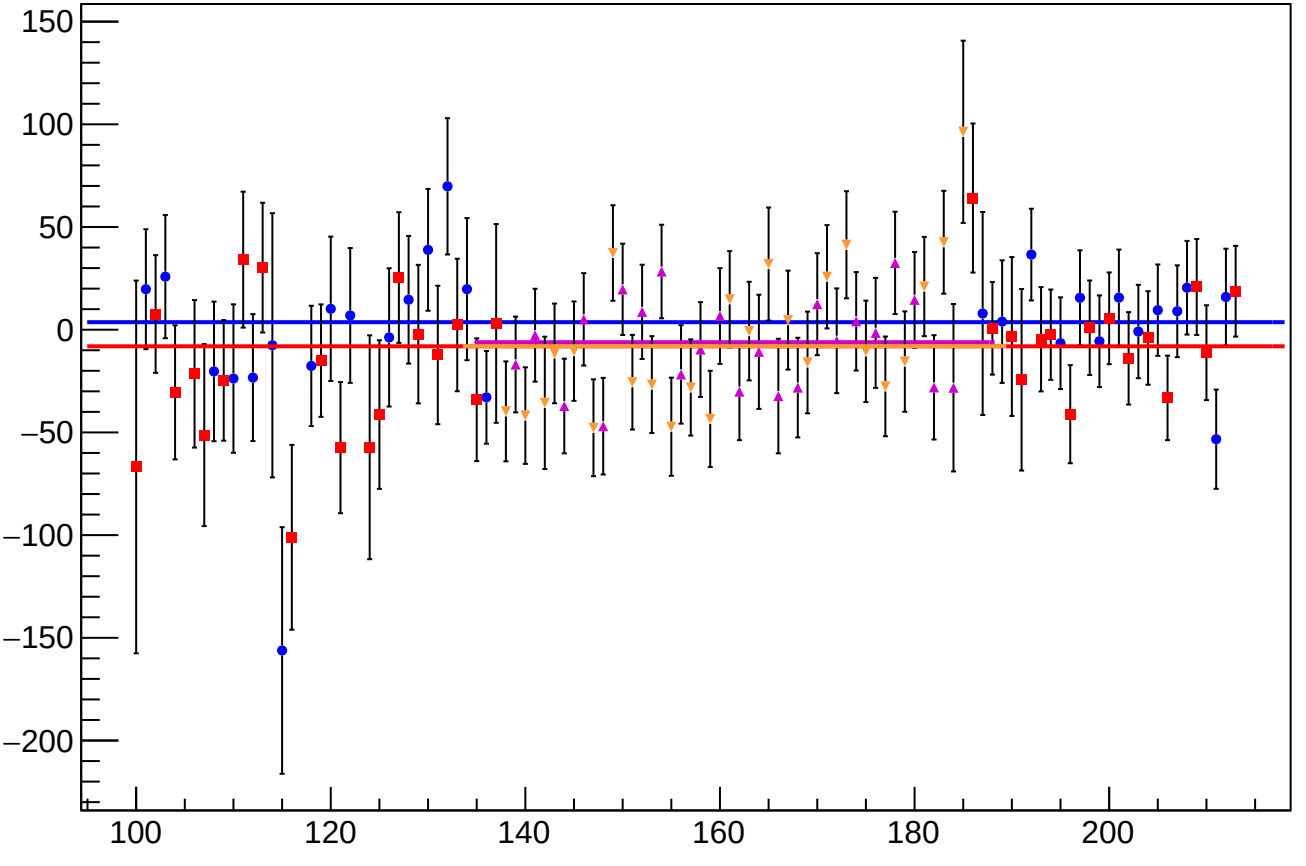
Right: 16.061+/-0.002 χ^2/NDF: 170815.4/62

In: 15.900+/-0.002 χ^2/NDF:236509.6/51

Out: 15.940+/-0.002 χ^2/NDF:269729.4/58

All: 15.921+/-0.001 χ^2/NDF: 506473.1/110

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.669+/-5.143 χ^2/NDF: 28.4/28

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

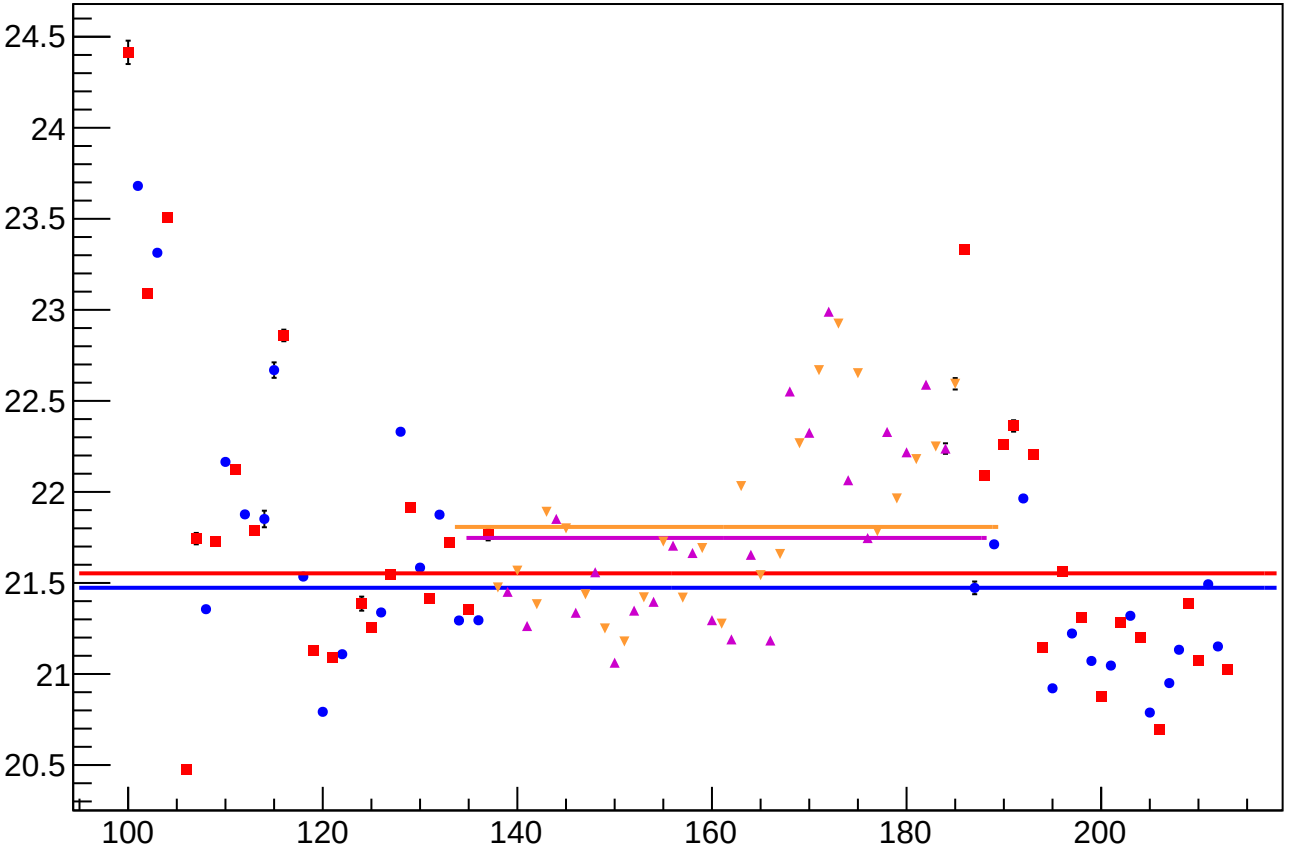
Right: -2.442+/-3.562 χ^2/NDF: 58.7/62

In: -1.269+/-3.614 χ^2/NDF:48.1/51

Out: -8.045+/-3.498 χ^2/NDF:66.4/58

All: -4.768+/-2.514 χ^2/NDF: 116.3/110

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.473+/-0.004 χ^2/NDF: 31761.9/28

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

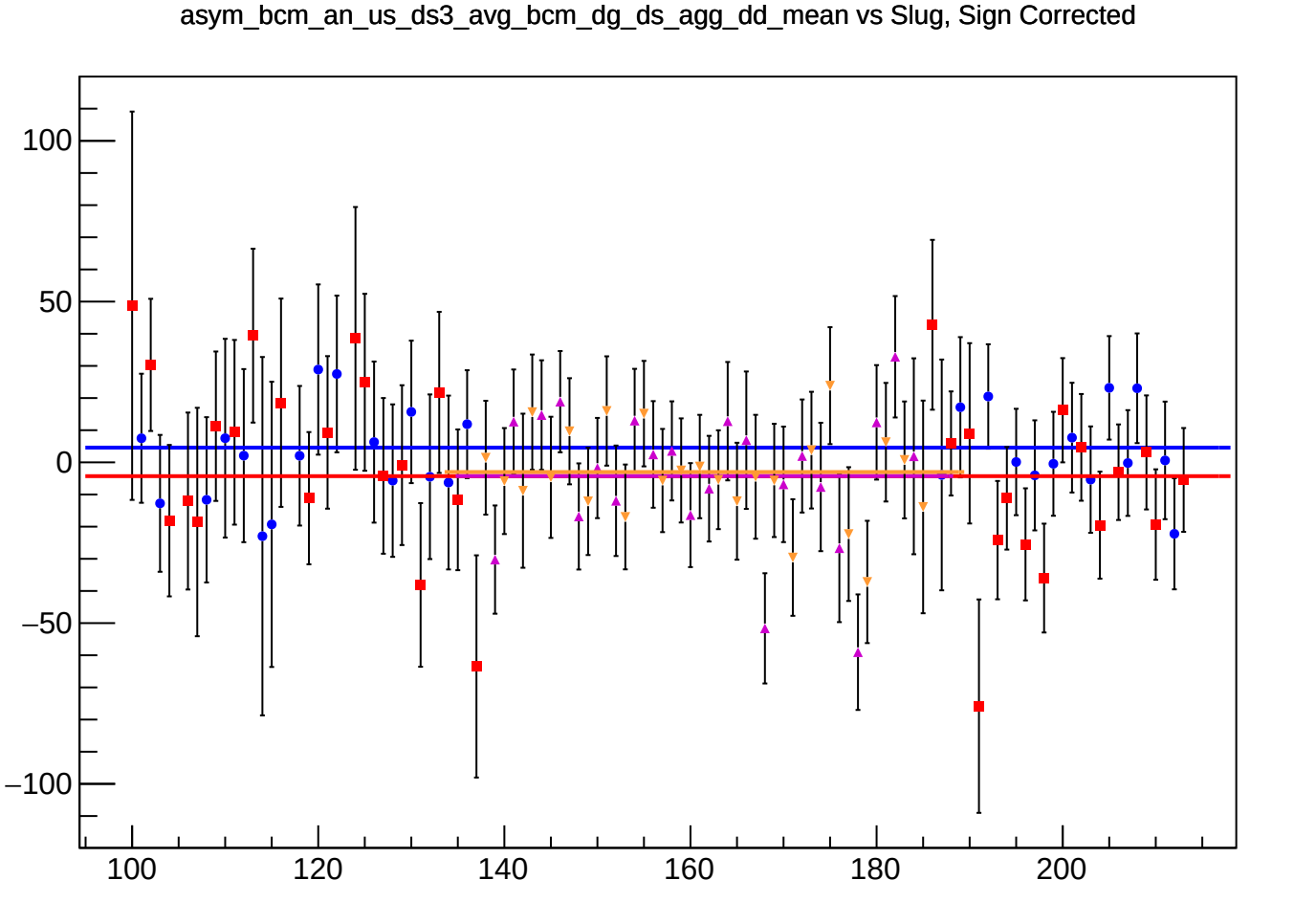
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.515+/-0.003 χ^2/NDF: 70438.5/62

In: 21.612+/-0.003 χ^2/NDF:55192.0/51

Out: 21.680+/-0.002 χ^2/NDF:58645.3/58

All: 21.647+/-0.002 χ^2/NDF: 114200.0/110



Right In: 4.589+/-3.820 χ^2/NDF: 11.5/28

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

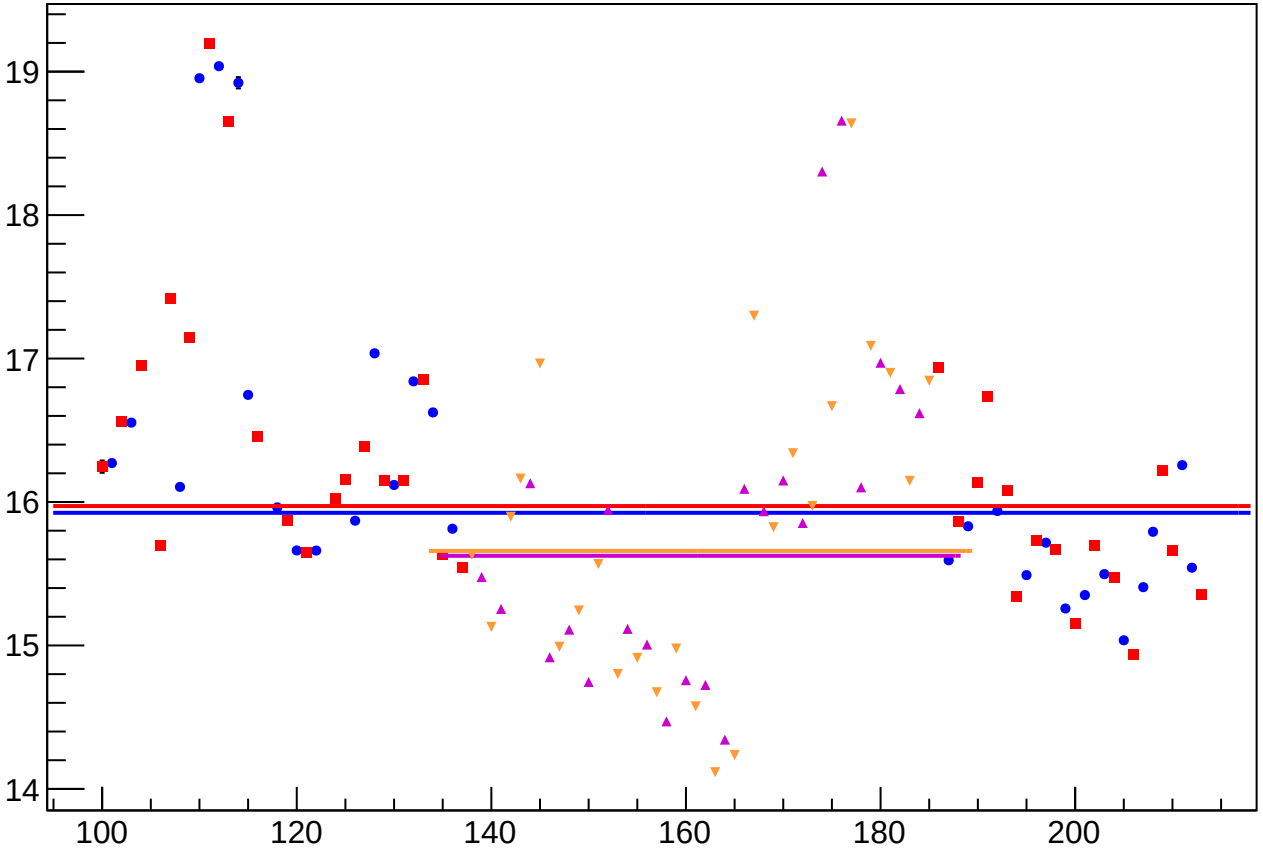
Right: -0.035+/-2.644 χ^2/NDF: 49.3/62

In: -0.018+/-2.643 χ^2/NDF:48.1/51

Out: -3.629+/-2.557 χ^2/NDF:49.7/58

All: -1.884+/-1.838 χ^2/NDF: 98.8/110

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.925+/-0.003 χ^2/NDF: 82590.3/28

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

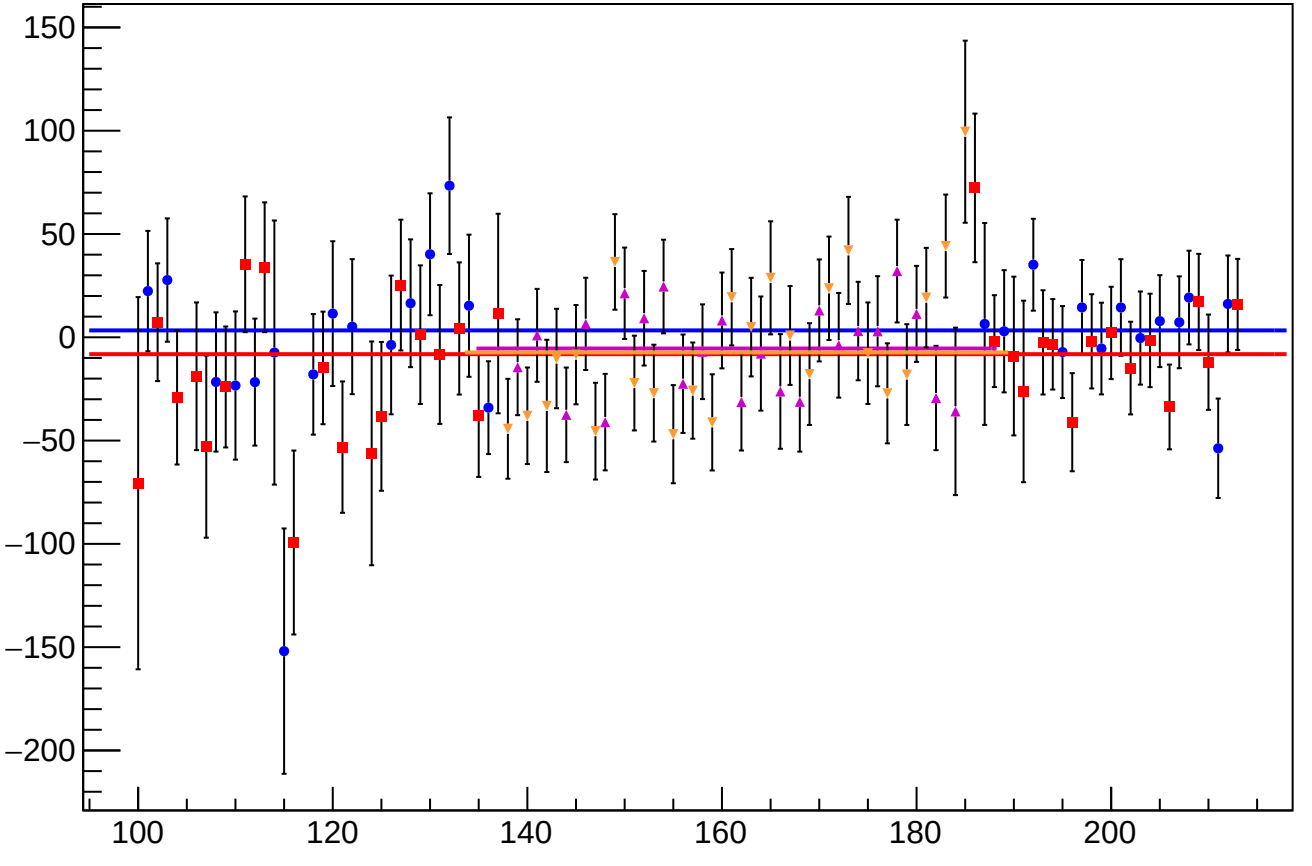
Right: 15.949+/-0.002 χ^2/NDF: 175535.5/62

In: 15.768+/-0.002 χ^2/NDF:239438.4/51

Out: 15.811+/-0.002 χ^2/NDF:270099.3/58

All: 15.790+/-0.001 χ^2/NDF: 509806.4/110

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.341+/-5.120 χ^2/NDF: 28.9/28

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -8.169+/-4.914 χ^2/NDF: 28.1/33

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

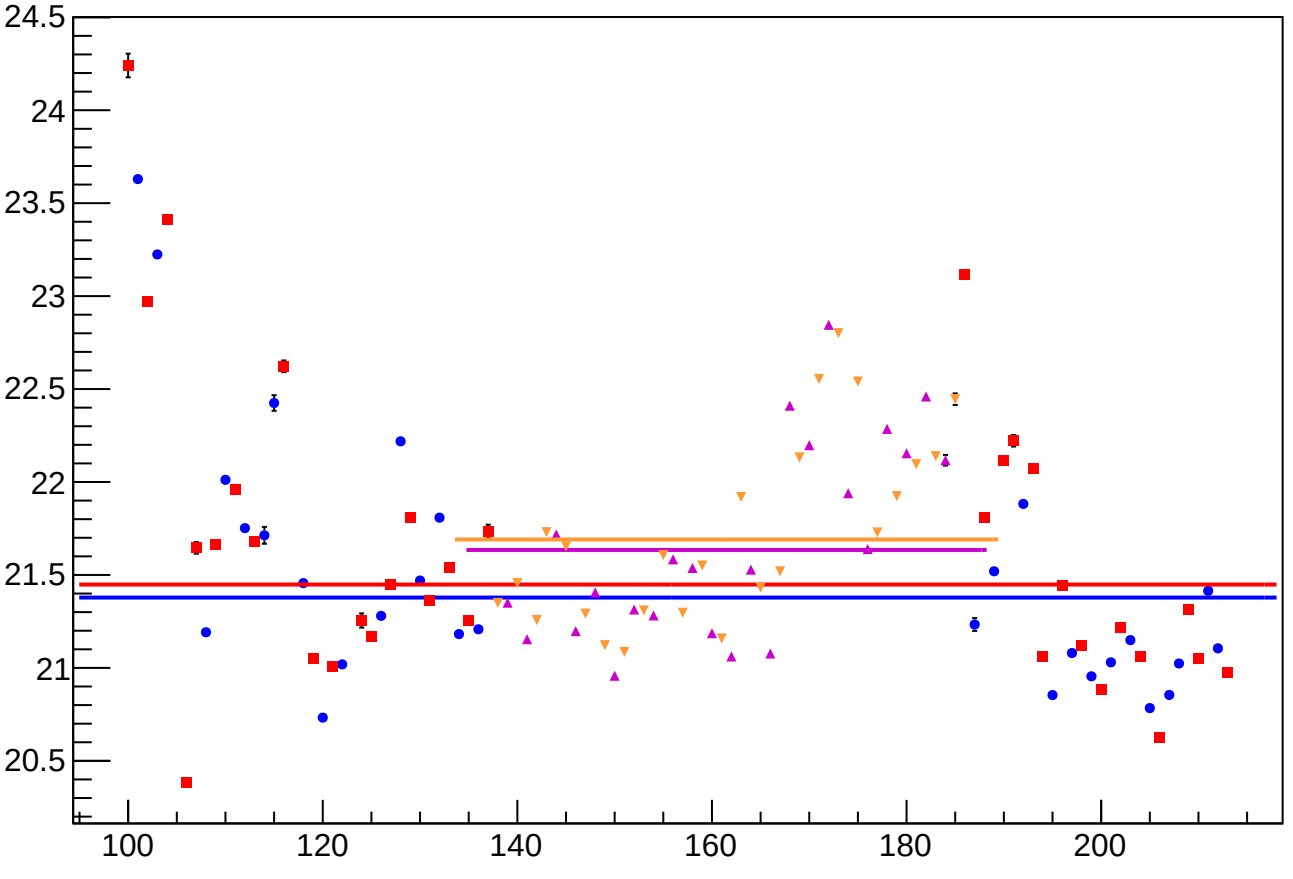
Right: -2.651+/-3.545 χ^2/NDF: 59.6/62

In: -1.104+/-3.597 χ^2/NDF:47.6/51

Out: -7.745+/-3.480 χ^2/NDF:66.7/58

All: -4.534+/-2.501 χ^2/NDF: 116.1/110

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.378+/-0.004 χ^2/NDF: 31424.5/28

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

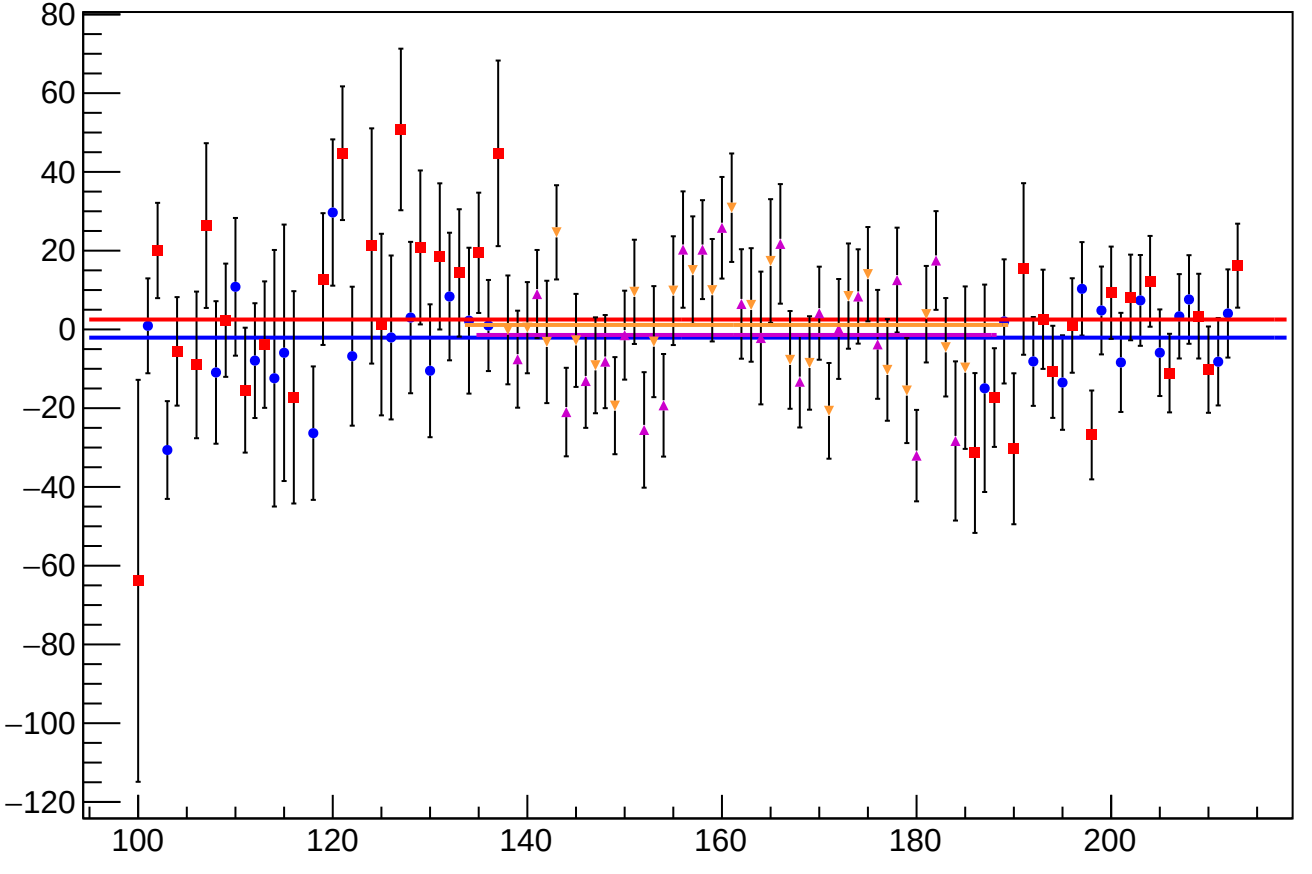
Right: 21.415+/-0.003 χ^2/NDF: 67011.5/62

In: 21.508+/-0.003 χ^2/NDF:54520.7/51

Out: 21.569+/-0.002 χ^2/NDF:55754.0/58

All: 21.540+/-0.002 χ^2/NDF: 110573.1/110

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.089+/-2.592 χ^2/NDF: 17.9/28

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

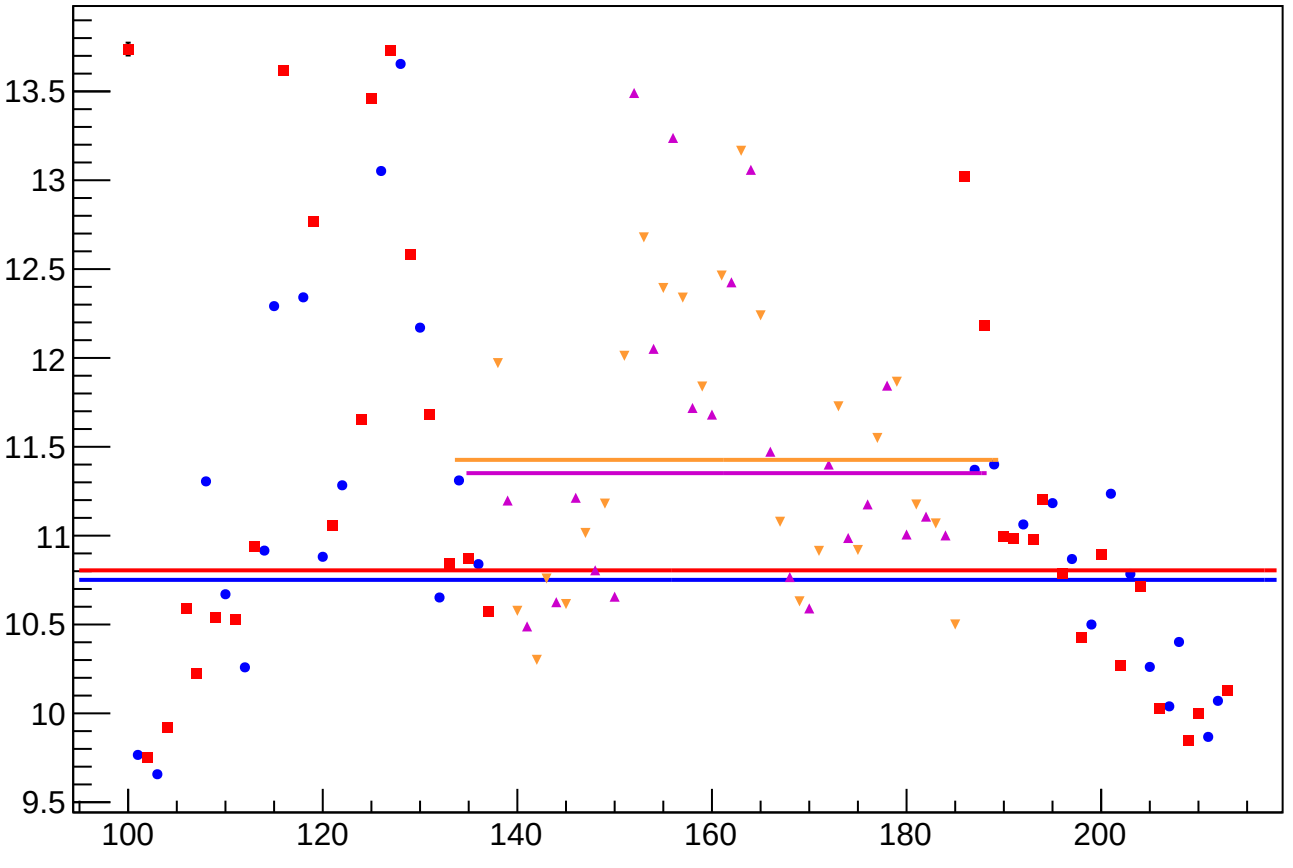
Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

Right: 0.301+/-1.798 χ^2/NDF: 69.2/62

In: -1.758+/-1.861 χ^2/NDF:54.3/51

Out: 1.860+/-1.807 χ^2/NDF:74.3/58

All: 0.104+/-1.296 χ^2/NDF: 130.6/110



Right In: 10.751+/-0.002 χ^2/NDF: 190958.7/28

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

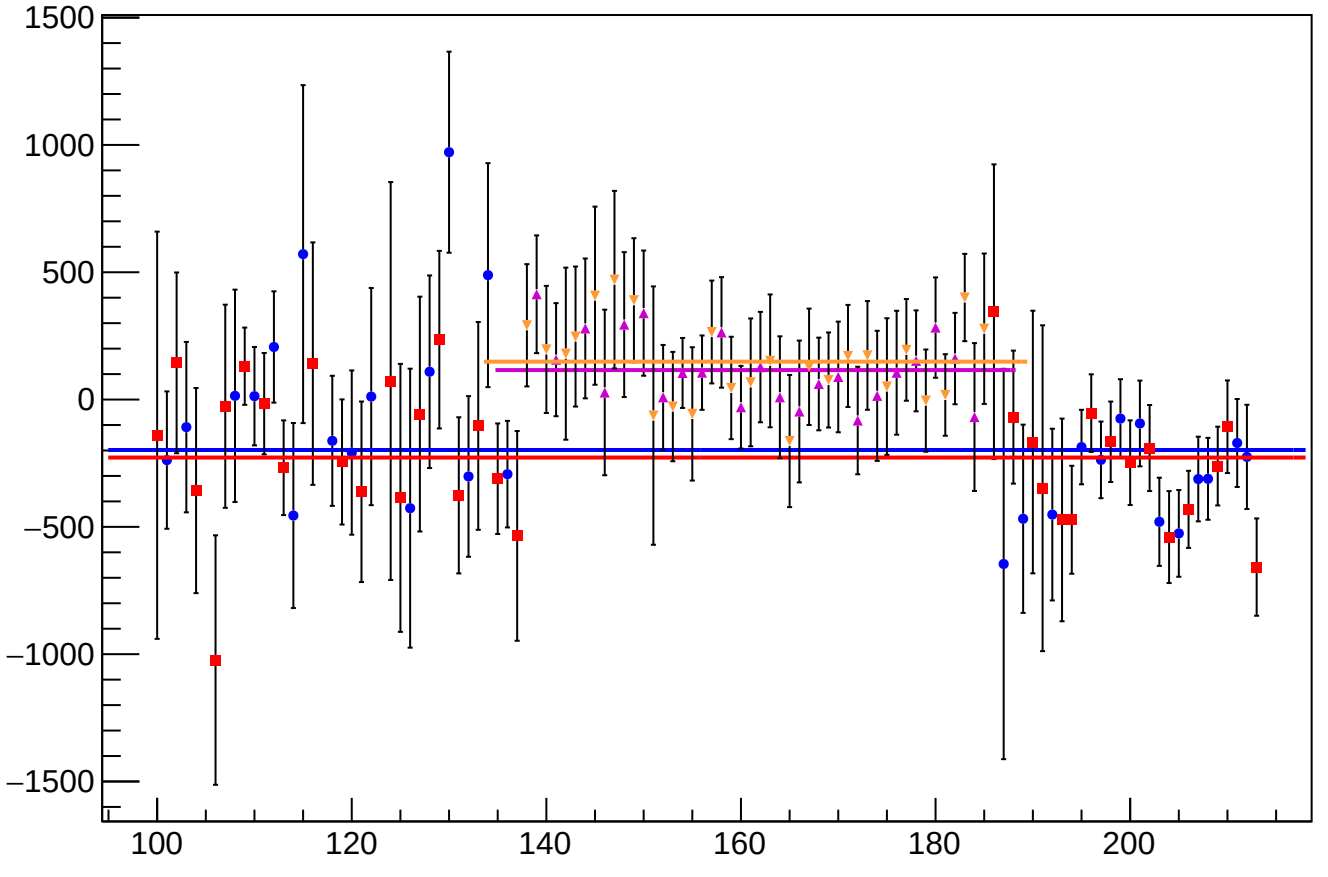
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 10.779+/-0.001 χ^2/NDF: 469901.4/62

In: 11.042+/-0.001 χ^2/NDF:413534.2/51

Out: 11.100+/-0.001 χ^2/NDF:494537.0/58

All: 11.072+/-0.001 χ^2/NDF: 909081.8/110



Right In: -198.088+/-42.371 χ^2/NDF: 29.3/28

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

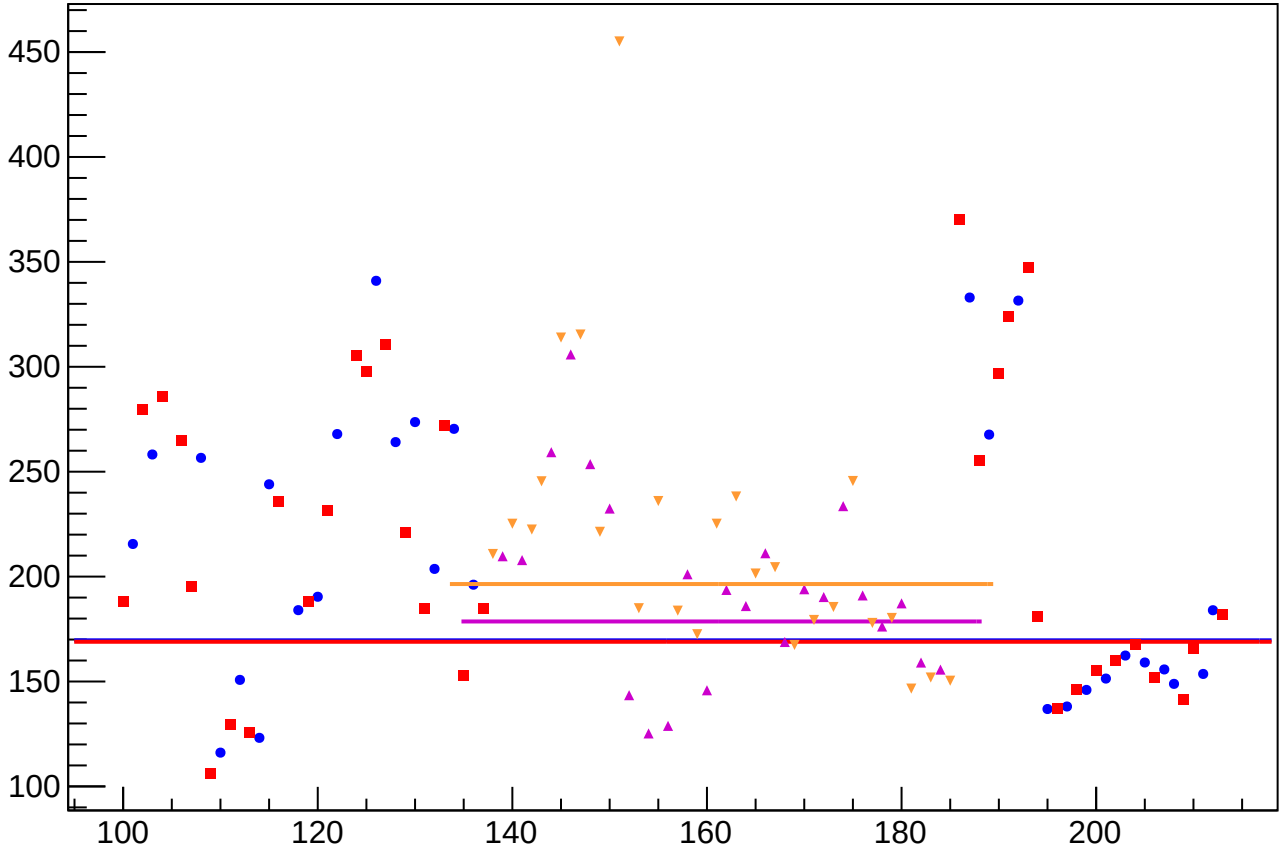
Right: -213.432+/-29.462 χ^2/NDF: 59.4/62

In: -45.819+/-30.400 χ^2/NDF:63.8/51

Out: -62.283+/-30.694 χ^2/NDF:77.4/58

All: -53.972+/-21.599 χ^2/NDF: 141.3/110

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 169.630+/-0.030 χ^2/NDF: 2288273.8/28

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

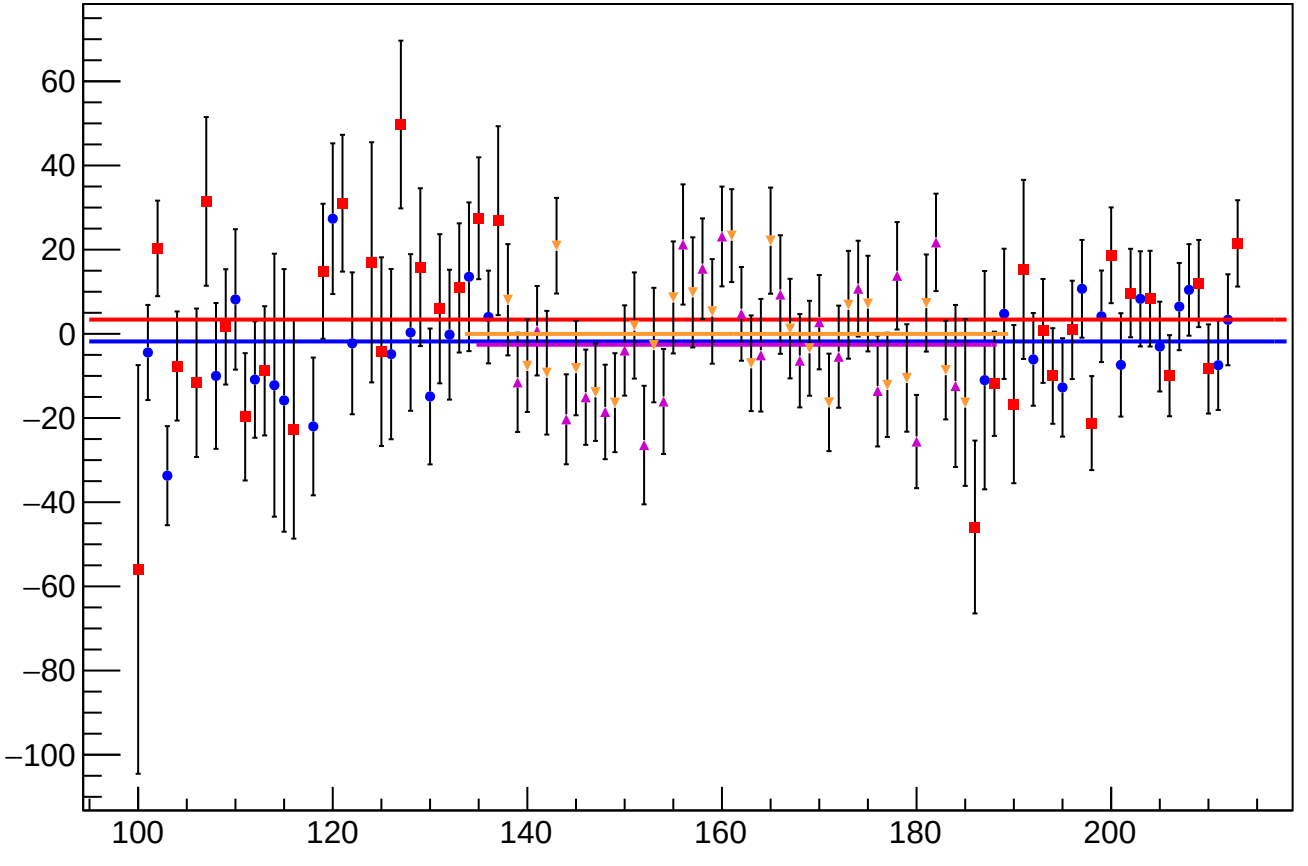
Right: 169.277+/-0.021 χ^2/NDF: 5297225.1/62

In: 173.990+/-0.021 χ^2/NDF:4010760.2/51

Out: 181.032+/-0.022 χ^2/NDF:5223121.2/58

All: 177.477+/-0.015 χ^2/NDF: 9287034.5/110

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.808+/-2.500 χ^2/NDF: 20.9/28

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

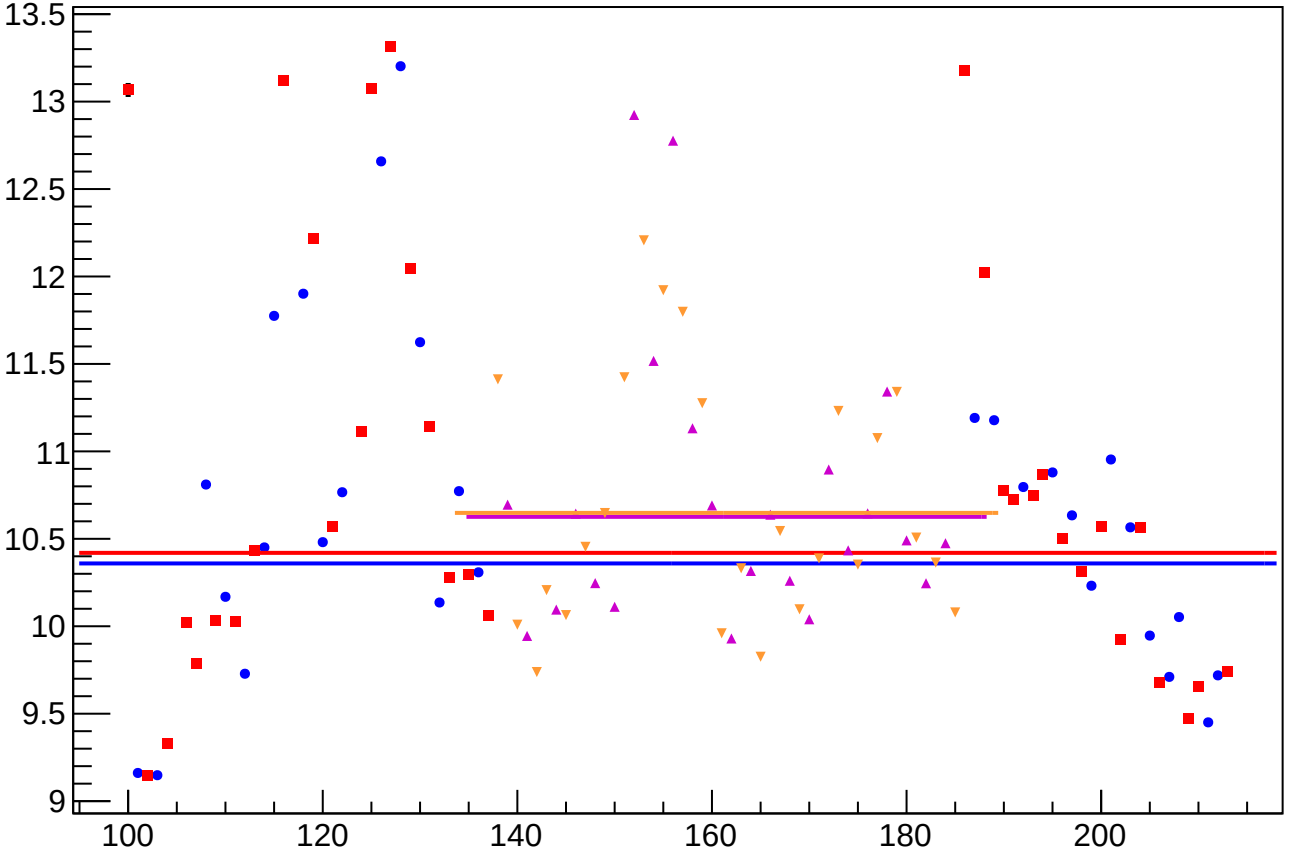
Right: 0.885+/-1.735 χ^2/NDF: 72.3/62

In: -2.198+/-1.770 χ^2/NDF:55.7/51

Out: 1.708+/-1.716 χ^2/NDF:73.9/58

All: -0.184+/-1.232 χ^2/NDF: 132.1/110

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.359+/-0.002 χ^2/NDF: 214523.1/28

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

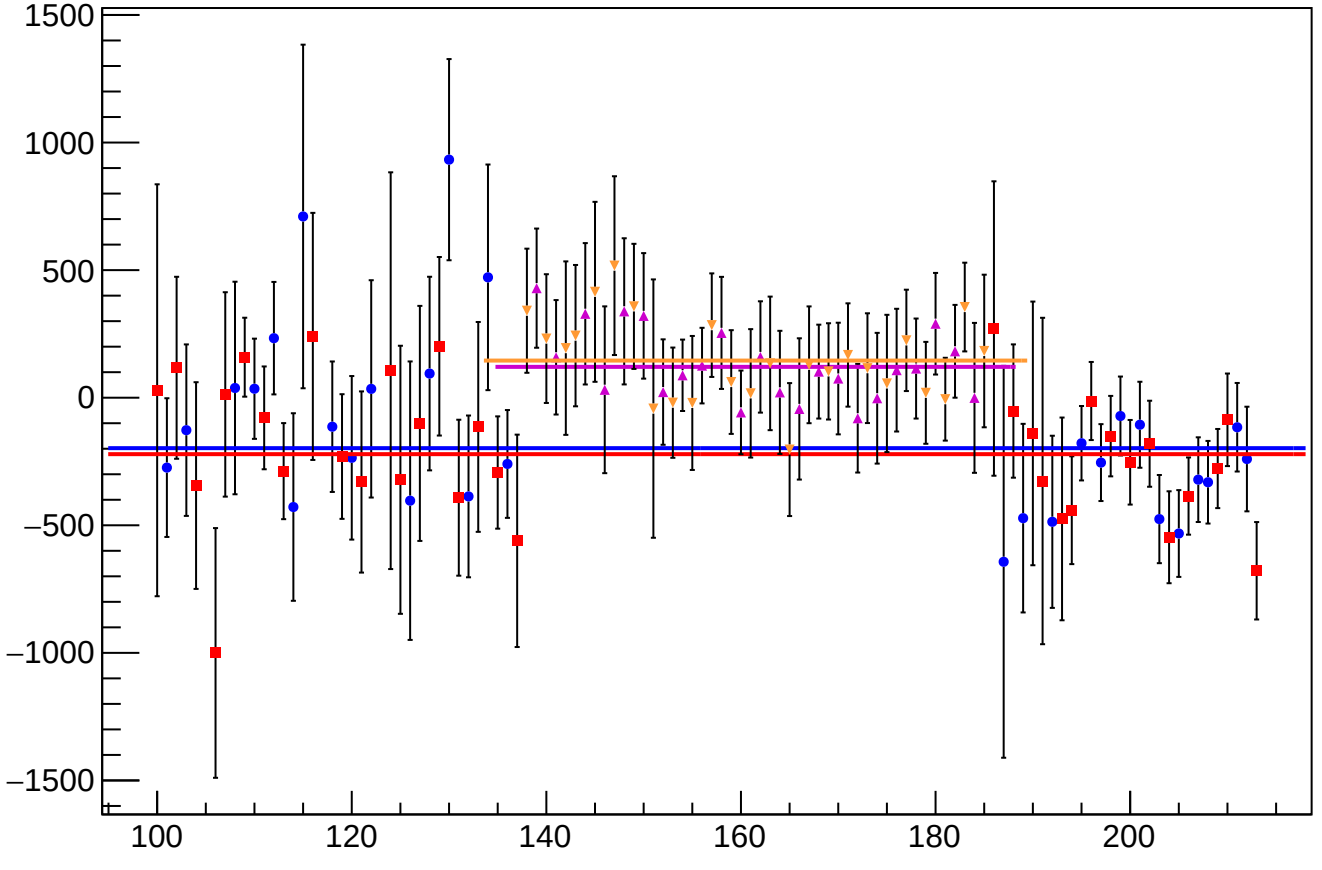
Right: 10.391+/-0.001 χ^2/NDF: 532415.7/62

In: 10.492+/-0.001 χ^2/NDF:385399.8/51

Out: 10.532+/-0.001 χ^2/NDF:469693.7/58

All: 10.513+/-0.001 χ^2/NDF: 855623.7/110

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -197.722+/-42.467 χ^2/NDF: 30.7/28

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

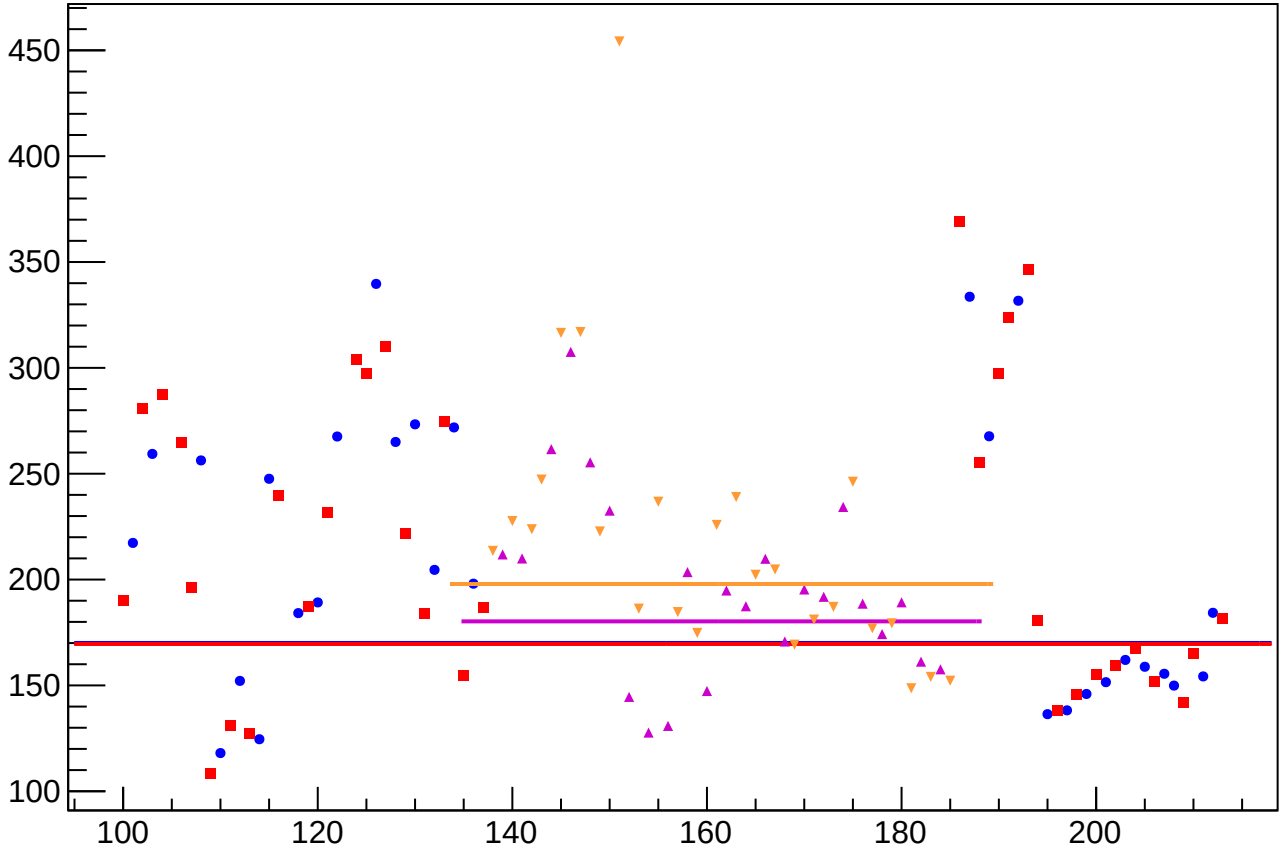
Right: -209.859+/-29.537 χ^2/NDF: 61.1/62

In: -44.042+/-30.555 χ^2/NDF:66.1/51

Out: -60.765+/-30.832 χ^2/NDF:75.3/58

All: -52.328+/-21.703 χ^2/NDF: 141.6/110

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.047+/-0.030 χ^2/NDF: 2280439.8/28

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

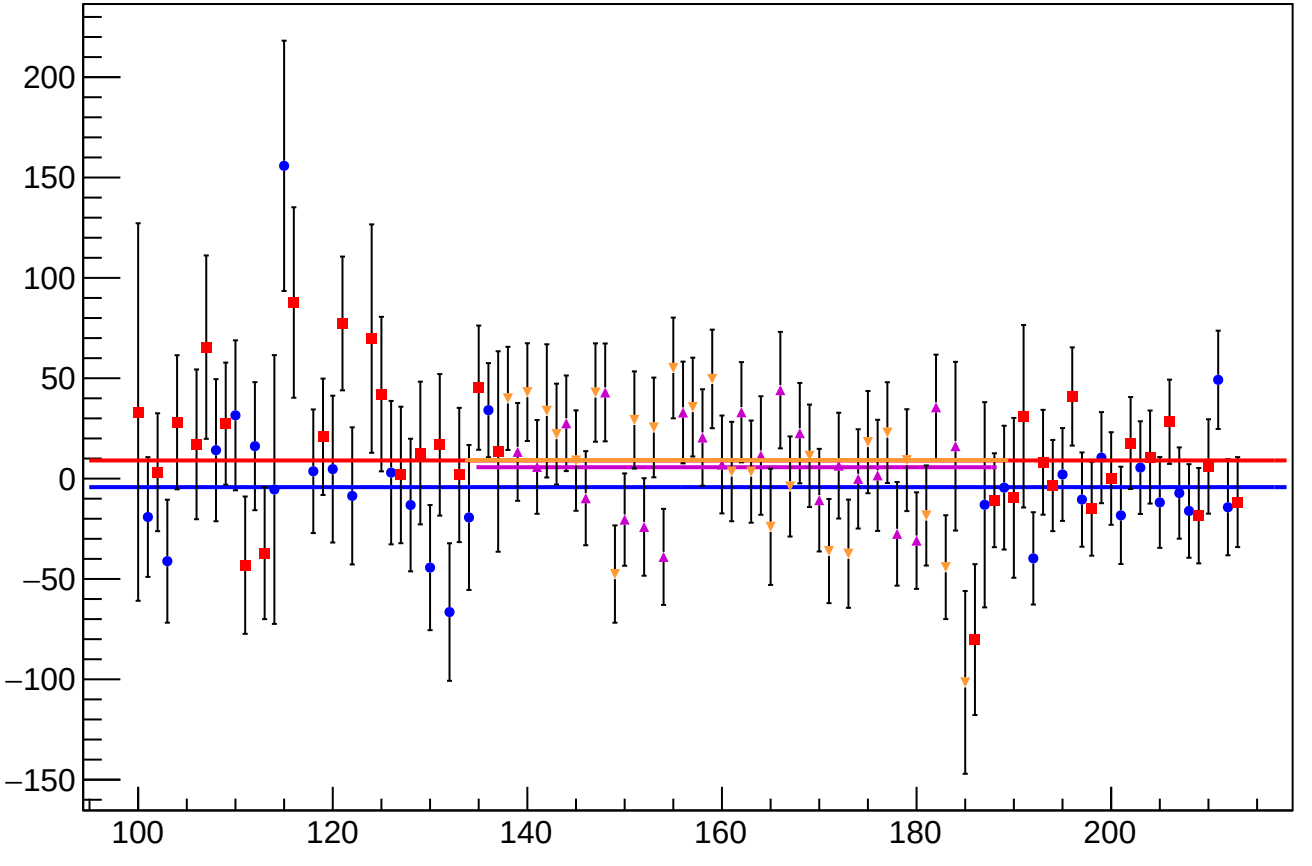
Right: 169.803+/-0.021 χ^2/NDF: 5236973.8/62

In: 174.968+/-0.022 χ^2/NDF:3963873.9/51

Out: 181.962+/-0.022 χ^2/NDF:5160405.3/58

All: 178.433+/-0.015 χ^2/NDF: 9176216.0/110

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.256+/-5.296 χ^2/NDF: 26.8/28

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

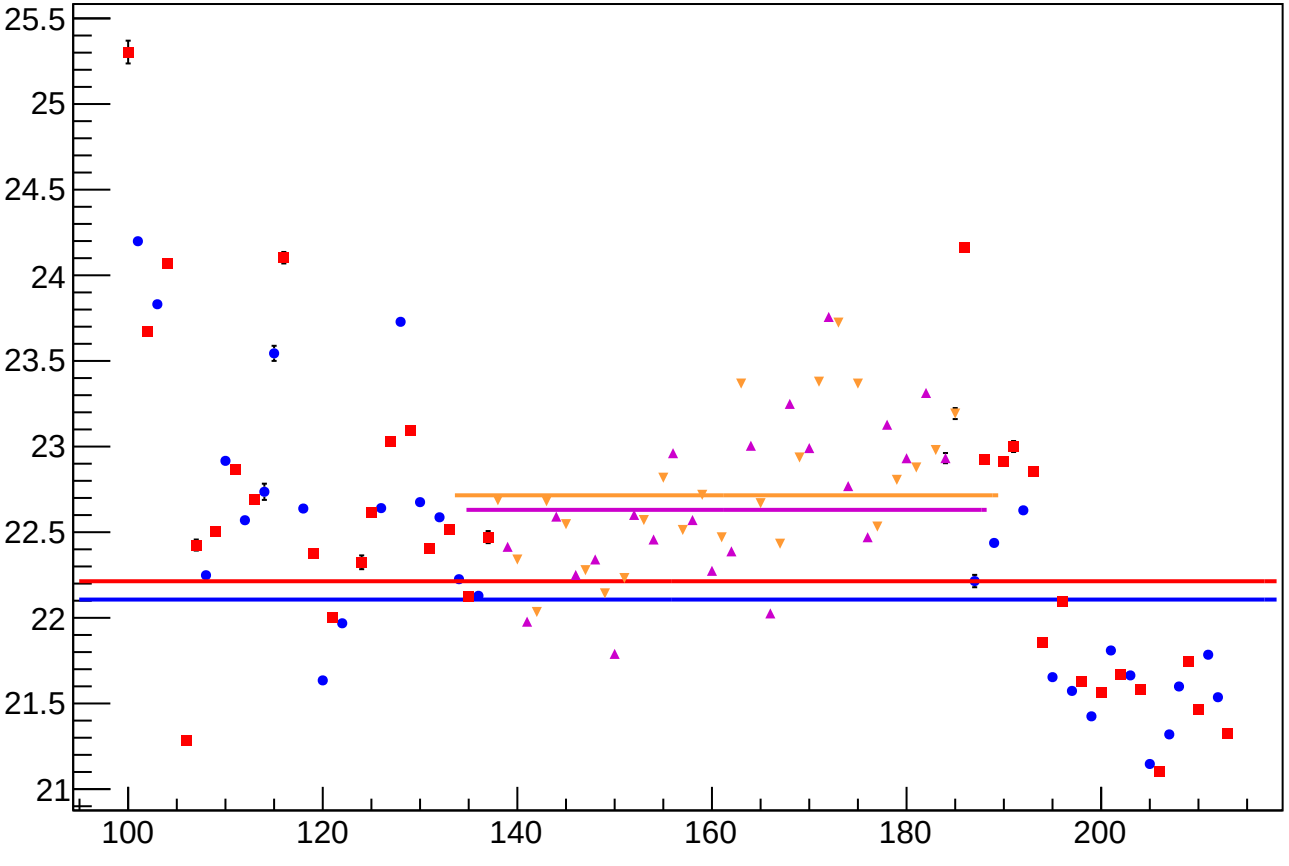
Right: 2.656+/-3.670 χ^2/NDF: 60.5/62

In: 0.714+/-3.741 χ^2/NDF:49.3/51

Out: 9.138+/-3.625 χ^2/NDF:69.9/58

All: 5.059+/-2.603 χ^2/NDF: 121.8/110

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.107+/-0.004 χ^2/NDF: 40445.3/28

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

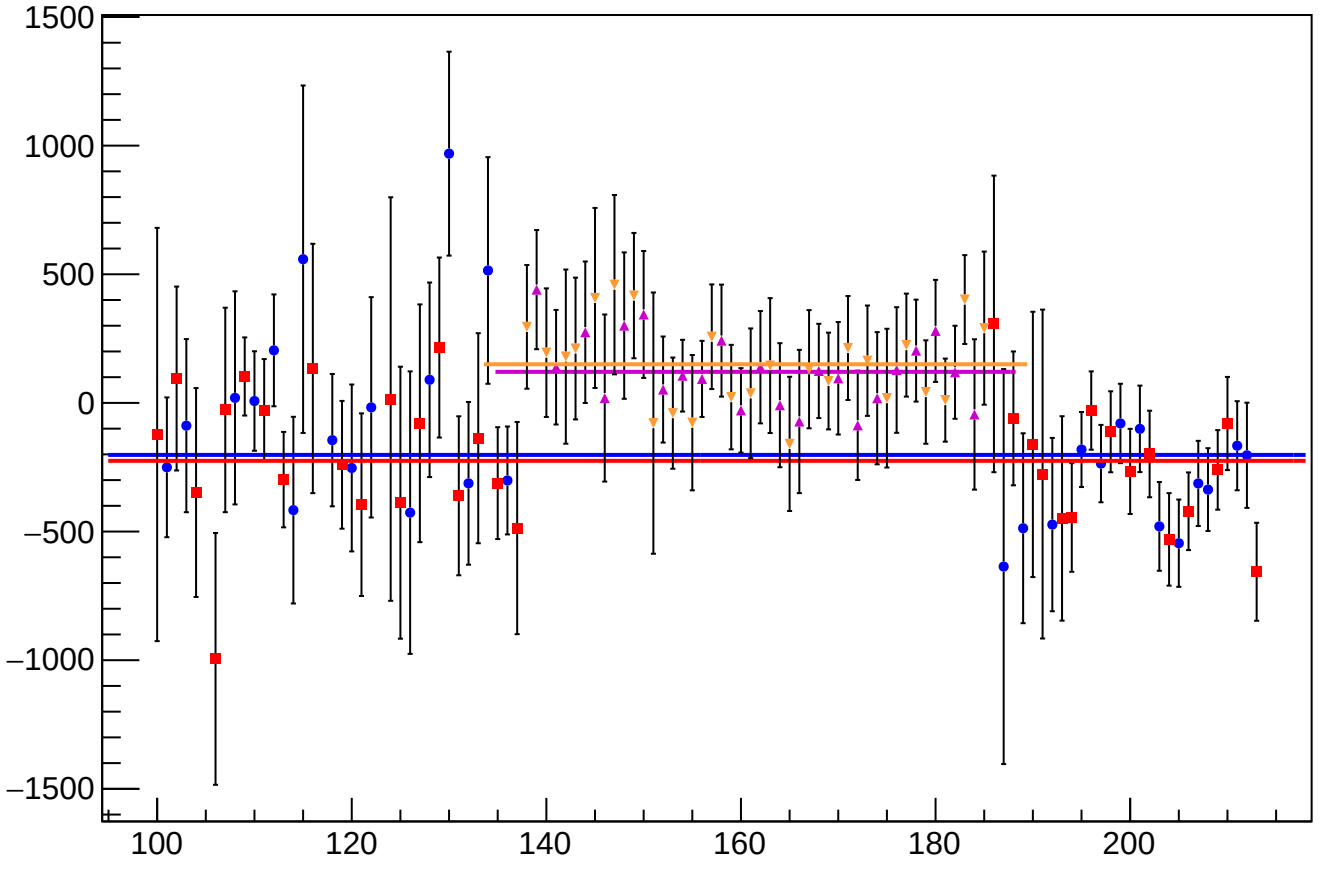
Right: 22.162+/-0.003 χ^2/NDF: 90121.2/62

In: 22.369+/-0.003 χ^2/NDF:65638.1/51

Out: 22.461+/-0.003 χ^2/NDF:71011.5/58

All: 22.417+/-0.002 χ^2/NDF: 137273.2/110

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -202.081+/-42.338 χ^2/NDF: 30.0/28

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

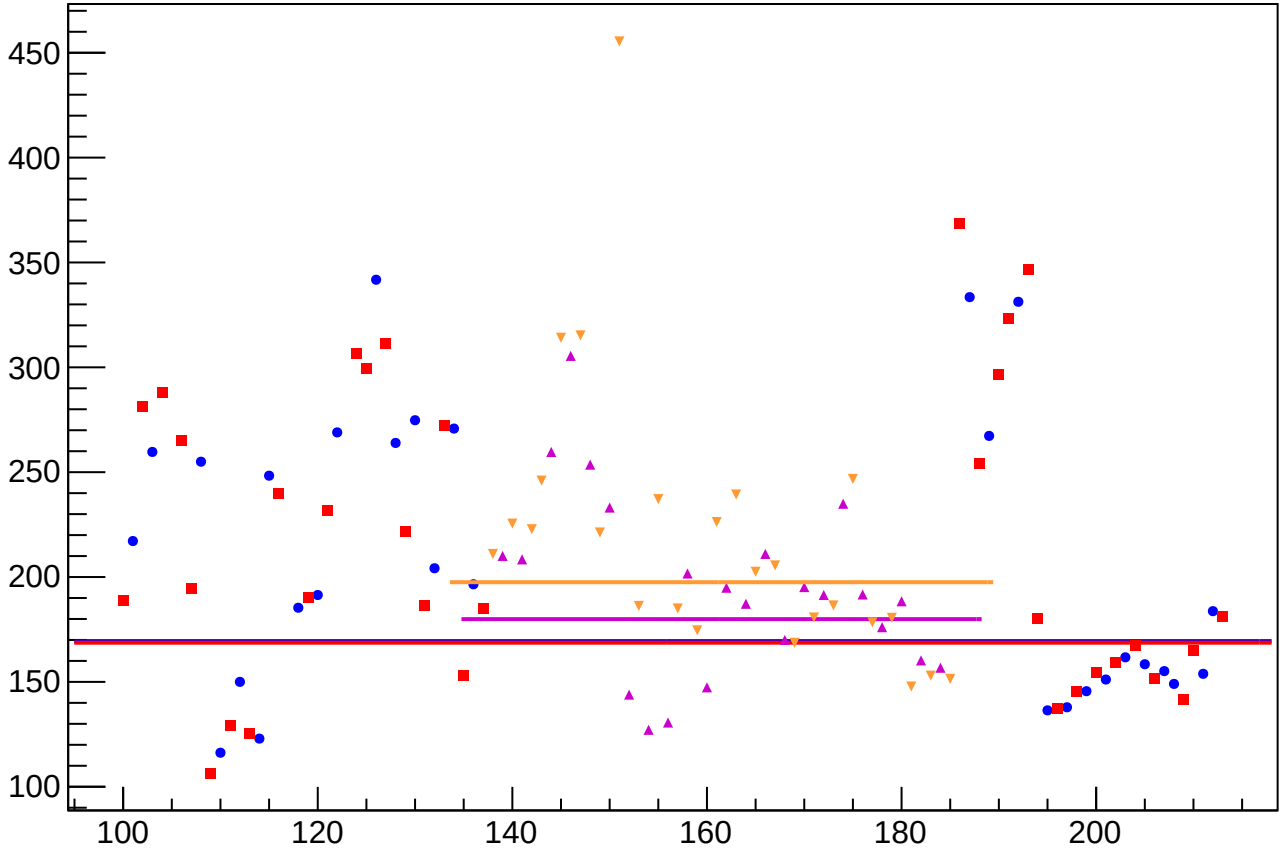
Right: -213.958+/-29.432 χ^2/NDF: 58.3/62

In: -46.581+/-30.481 χ^2/NDF:65.9/51

Out: -61.320+/-30.739 χ^2/NDF:75.8/58

All: -53.888+/-21.644 χ^2/NDF: 141.8/110

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 169.443+/-0.030 χ^2/NDF: 2311141.9/28

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

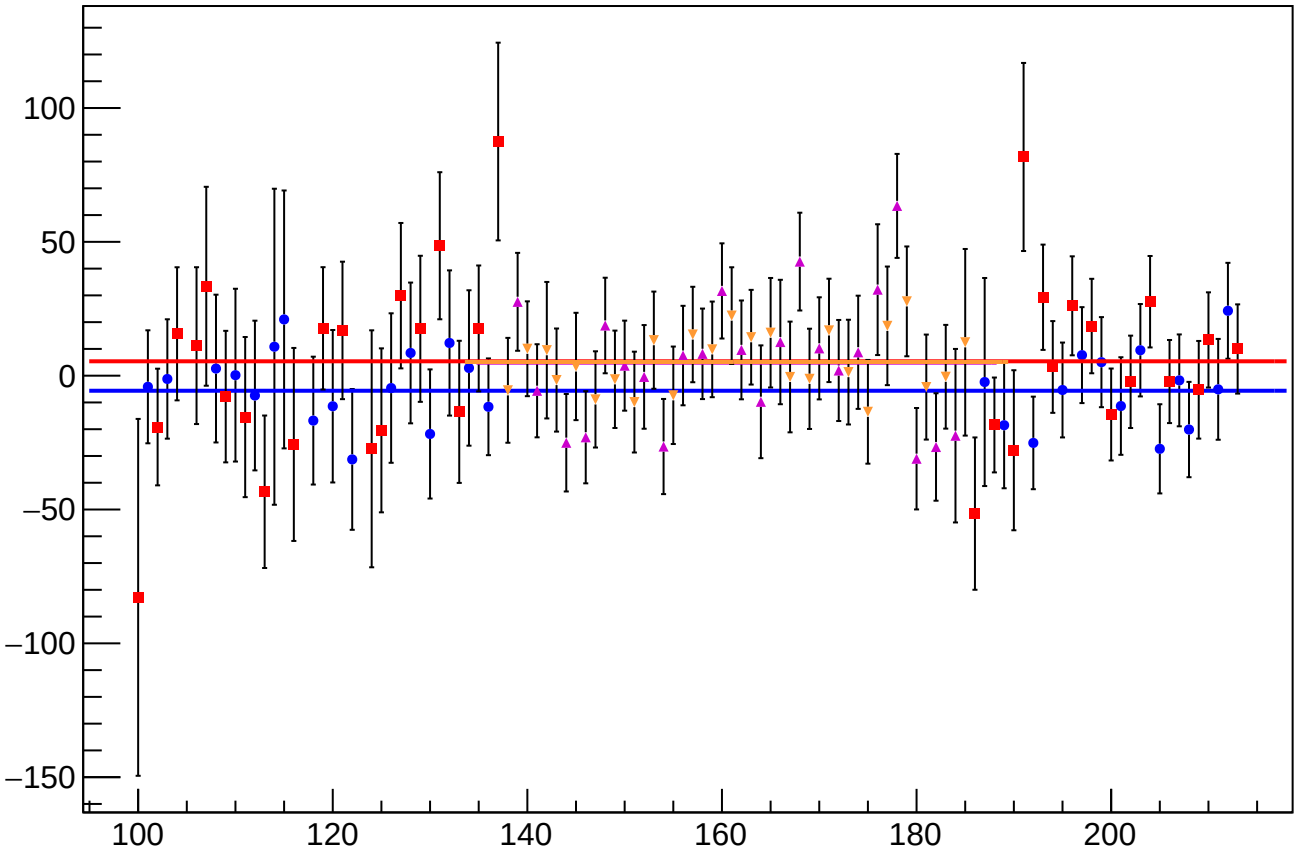
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 169.060+/-0.021 χ^2/NDF: 5339559.9/62

In: 174.491+/-0.022 χ^2/NDF:3994321.1/51

Out: 181.282+/-0.022 χ^2/NDF:5250764.7/58

All: 177.858+/-0.015 χ^2/NDF: 9294308.2/110



Right In: -5.628+/-4.045 χ^2/NDF: 11.7/28

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

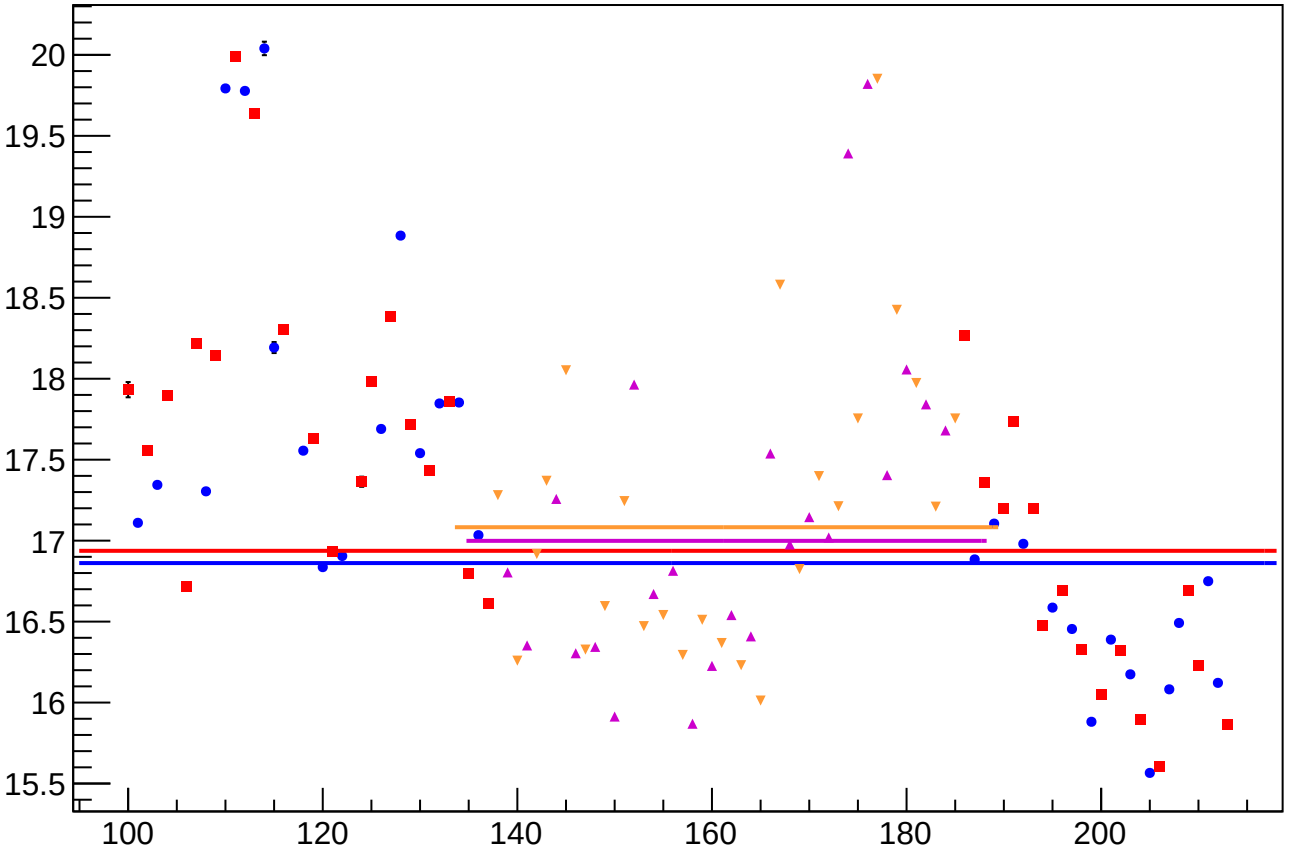
Right: 0.092+/-2.803 χ^2/NDF: 53.9/62

In: -0.300+/-2.837 χ^2/NDF:50.7/51

Out: 5.247+/-2.750 χ^2/NDF:46.3/58

All: 2.560+/-1.975 χ^2/NDF: 98.9/110

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.861+/-0.003 χ^2/NDF: 103020.6/28

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

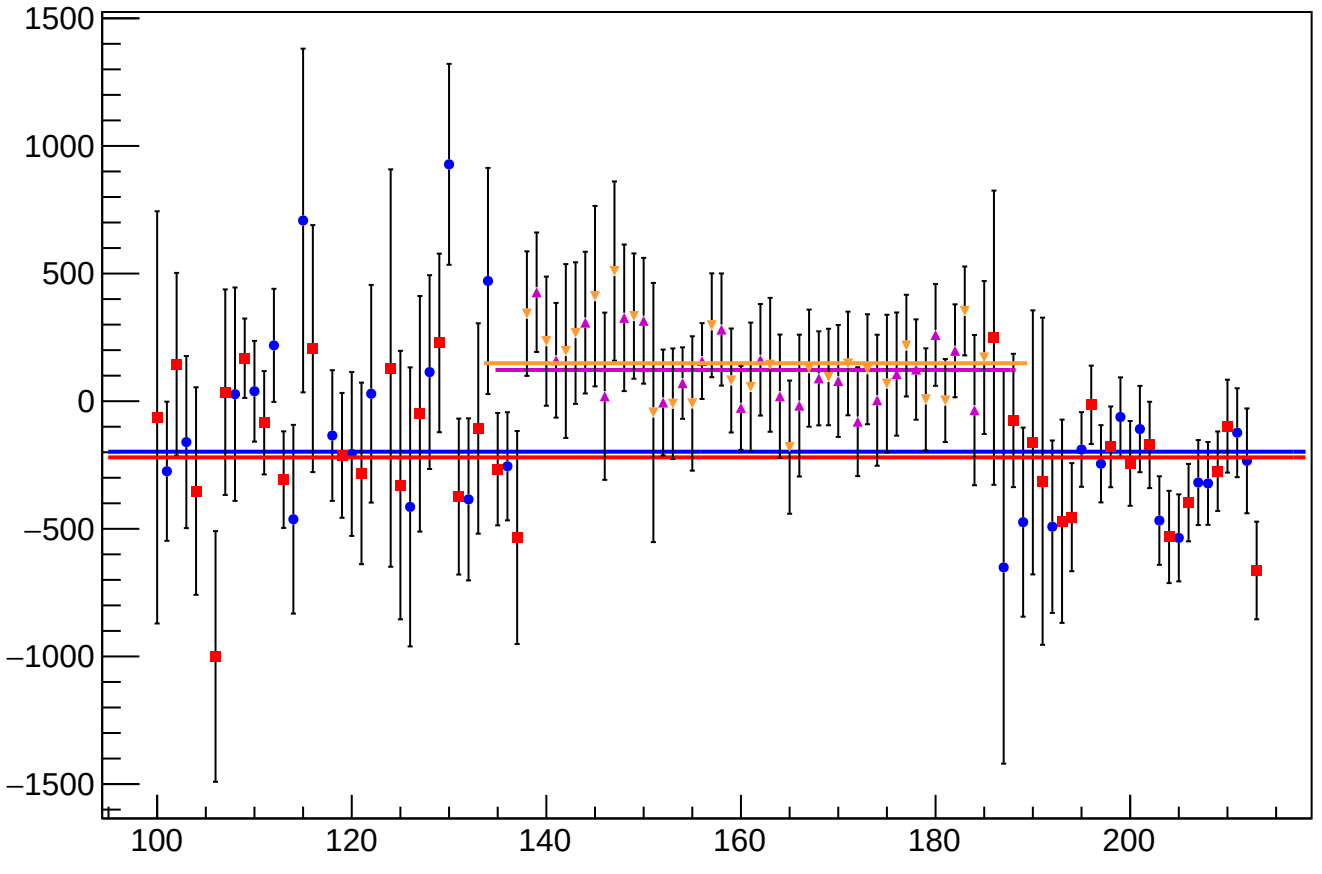
Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

Right: 16.901+/-0.002 χ^2/NDF: 225540.9/62

In: 16.931+/-0.002 χ^2/NDF:208211.4/51

Out: 17.010+/-0.002 χ^2/NDF:220335.6/58

All: 16.972+/-0.001 χ^2/NDF: 429341.9/110



Right In: -197.855+/-42.595 χ^2/NDF: 30.2/28

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

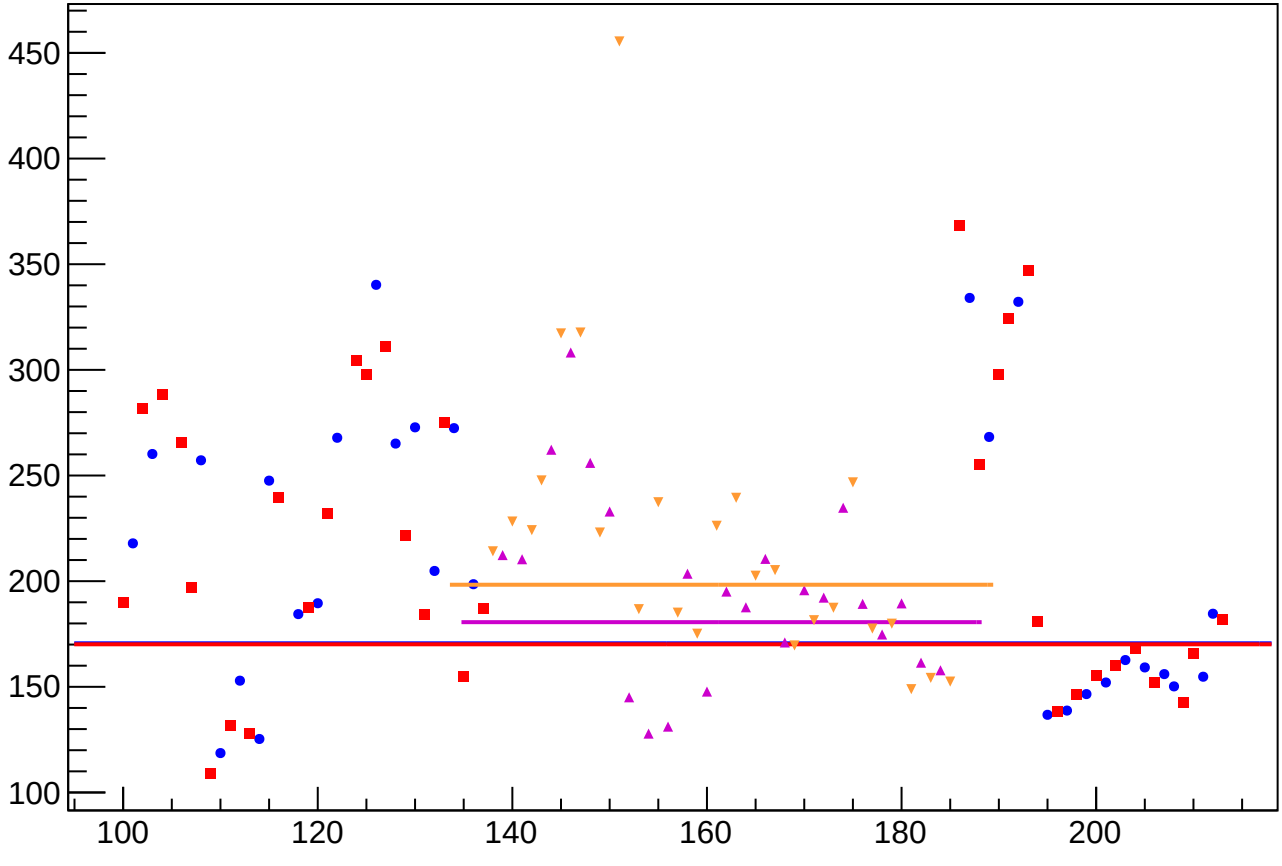
Right: -209.342+/-29.626 χ^2/NDF: 60.0/62

In: -43.228+/-30.631 χ^2/NDF:65.4/51

Out: -58.576+/-30.913 χ^2/NDF:74.2/58

All: -50.832+/-21.758 χ^2/NDF: 139.7/110

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.591+/-0.030 χ^2/NDF: 2267685.1/28

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

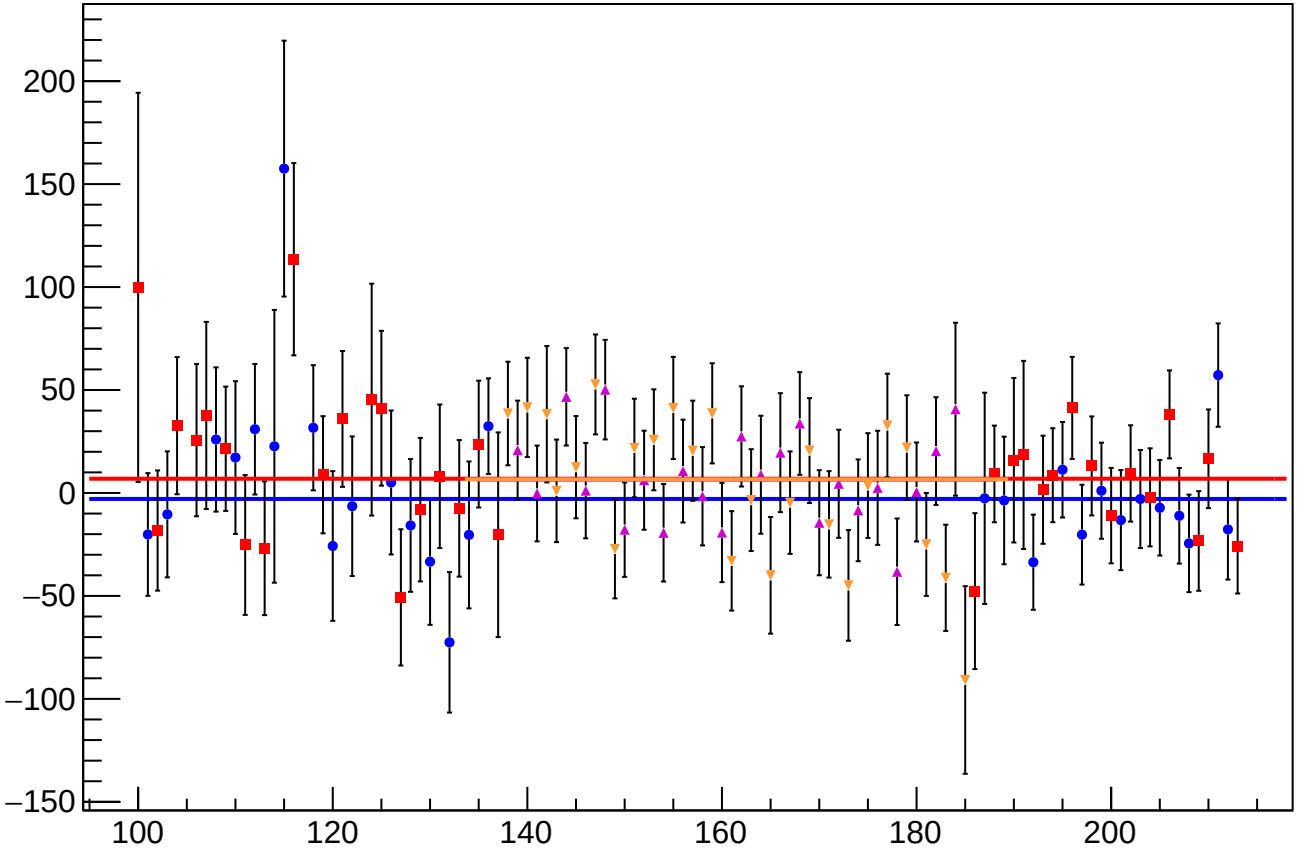
Right: 170.349+/-0.021 χ^2/NDF: 5206222.0/62

In: 175.425+/-0.022 χ^2/NDF:3949097.0/51

Out: 182.468+/-0.022 χ^2/NDF:5138078.1/58

All: 178.914+/-0.015 χ^2/NDF: 9139564.4/110

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.904+/-5.331 χ^2/NDF: 28.9/28

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

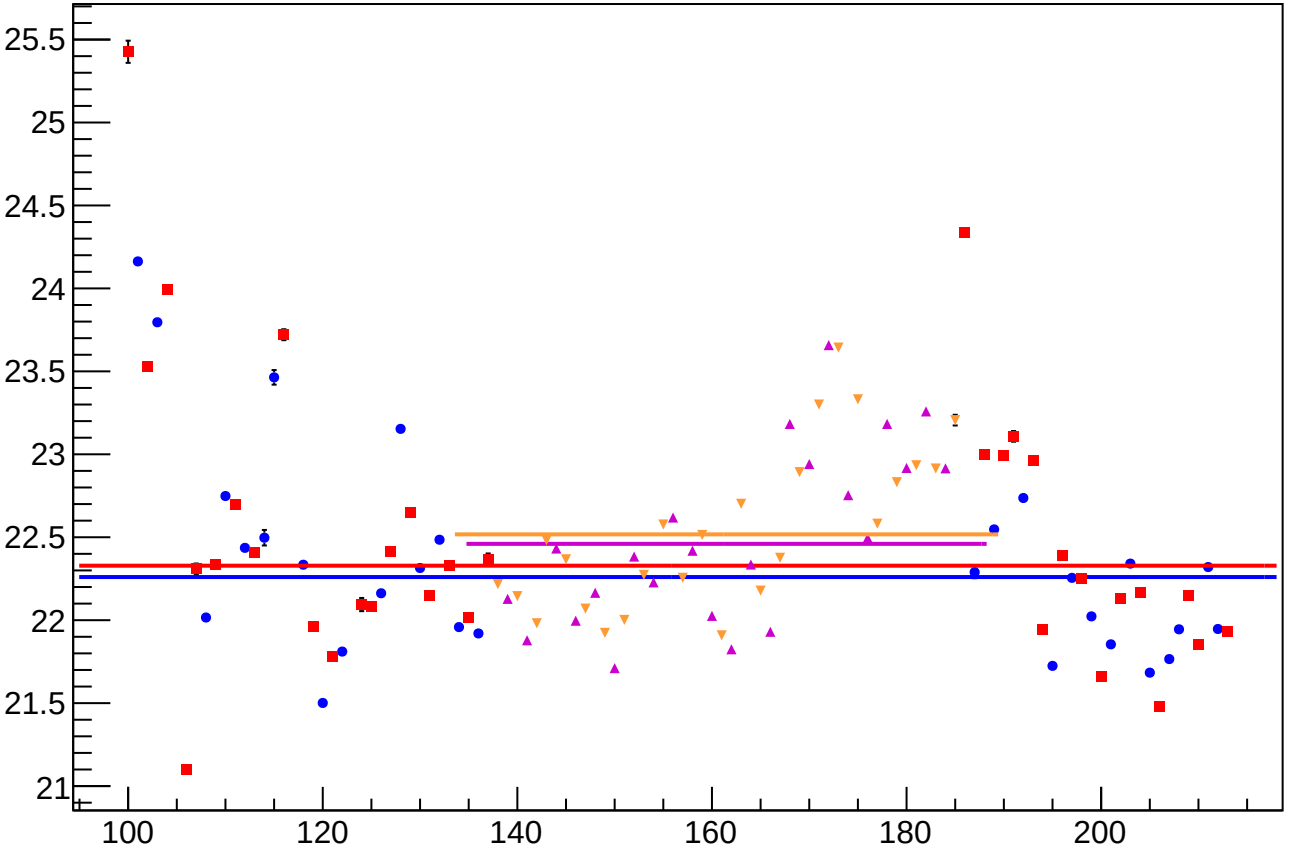
Right: 2.206+/-3.691 χ^2/NDF: 58.1/62

In: 1.864+/-3.739 χ^2/NDF:47.9/51

Out: 6.761+/-3.618 χ^2/NDF:64.3/58

All: 4.393+/-2.600 χ^2/NDF: 113.1/110

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.260+/-0.004 χ^2/NDF: 23640.1/28

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

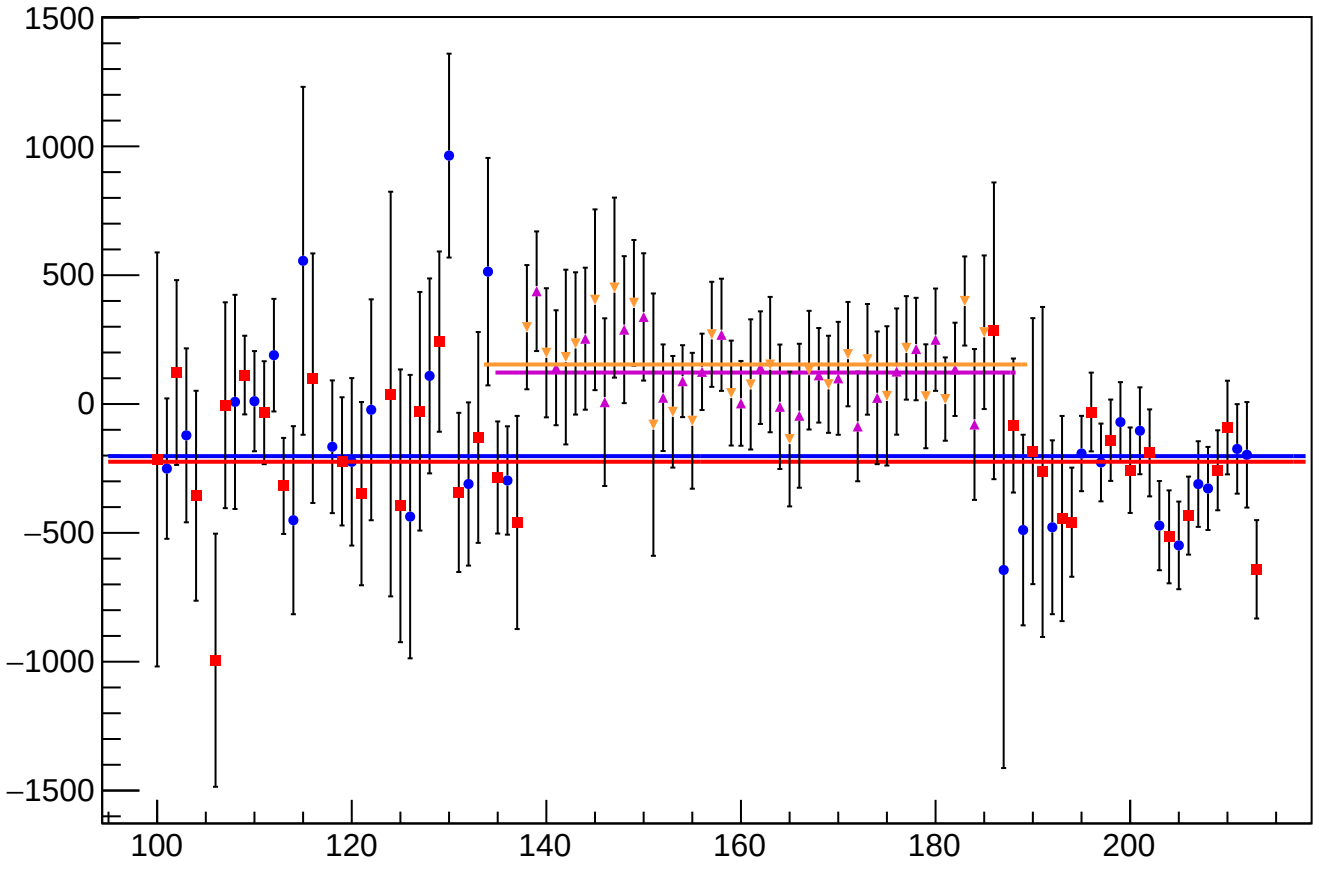
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.296+/-0.003 χ^2/NDF: 56743.1/62

In: 22.362+/-0.003 χ^2/NDF:44189.1/51

Out: 22.423+/-0.003 χ^2/NDF:50296.0/58

All: 22.393+/-0.002 χ^2/NDF: 94761.8/110



Right In: -202.230+/-42.466 χ^2/NDF: 29.5/28

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -223.972+/-41.066 χ^2/NDF: 27.6/33

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

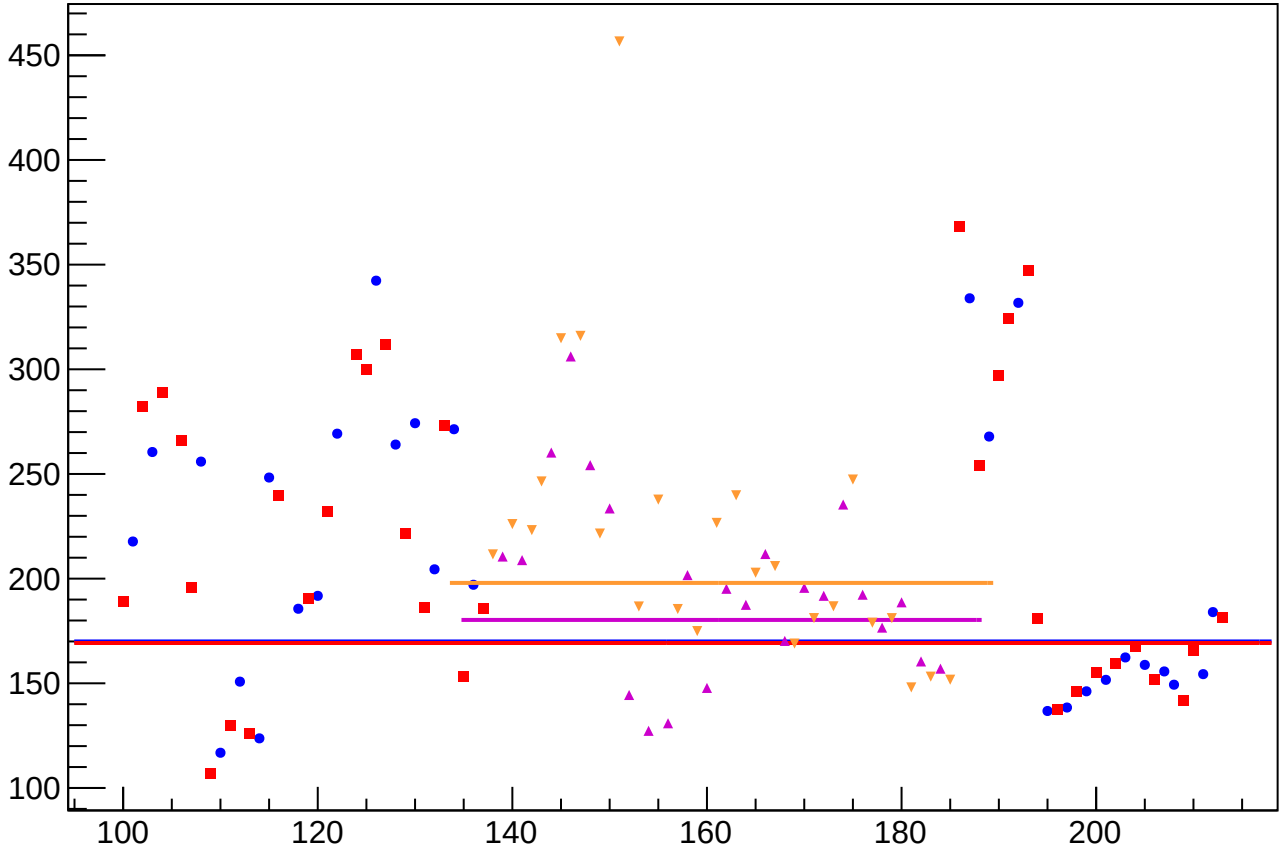
Right: -213.466+/-29.521 χ^2/NDF: 57.3/62

In: -45.808+/-30.558 χ^2/NDF:65.1/51

Out: -59.110+/-30.820 χ^2/NDF:74.6/58

All: -52.402+/-21.700 χ^2/NDF: 139.8/110

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 169.990+/-0.030 χ^2/NDF: 2297902.7/28

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

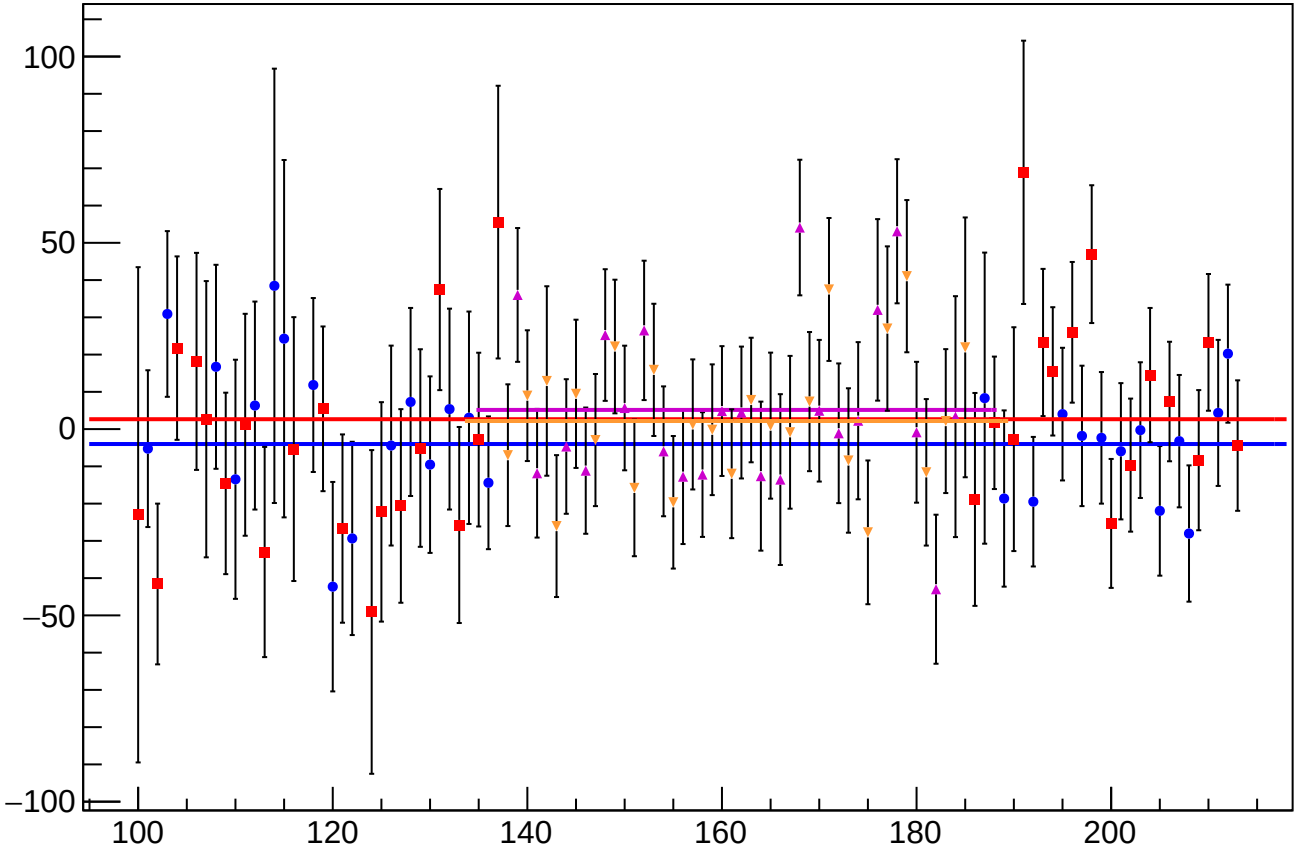
Right: 169.611+/-0.021 χ^2/NDF: 5307446.0/62

In: 174.949+/-0.022 χ^2/NDF:3979142.2/51

Out: 181.792+/-0.022 χ^2/NDF:5227233.8/58

All: 178.341+/-0.015 χ^2/NDF: 9256085.4/110

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.005+/-4.097 χ^2/NDF: 14.4/28

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

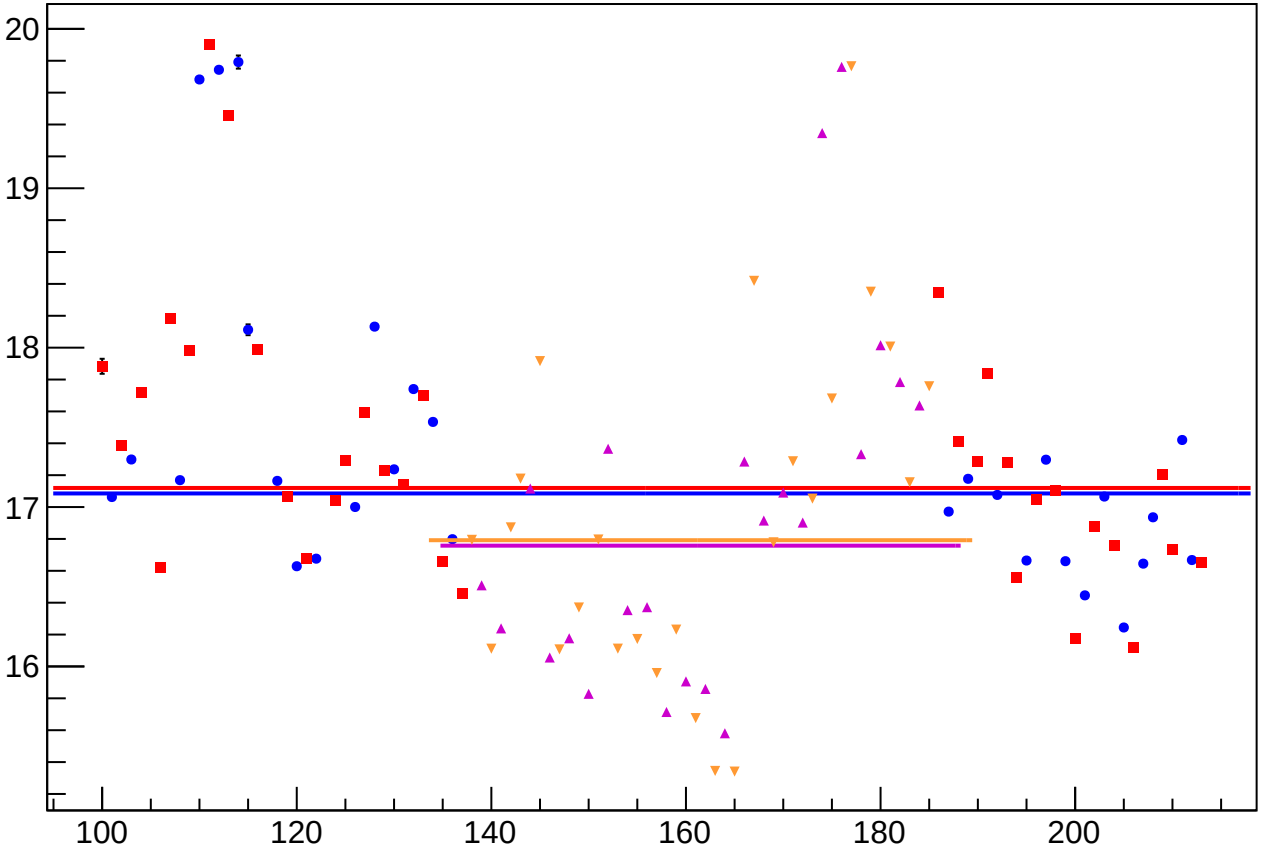
Right: -0.533+/-2.835 χ^2/NDF: 51.0/62

In: 0.770+/-2.834 χ^2/NDF:49.3/51

Out: 2.409+/-2.740 χ^2/NDF:55.1/58

All: 1.617+/-1.970 χ^2/NDF: 104.6/110

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.085+/-0.003 χ^2/NDF: 56109.2/28

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

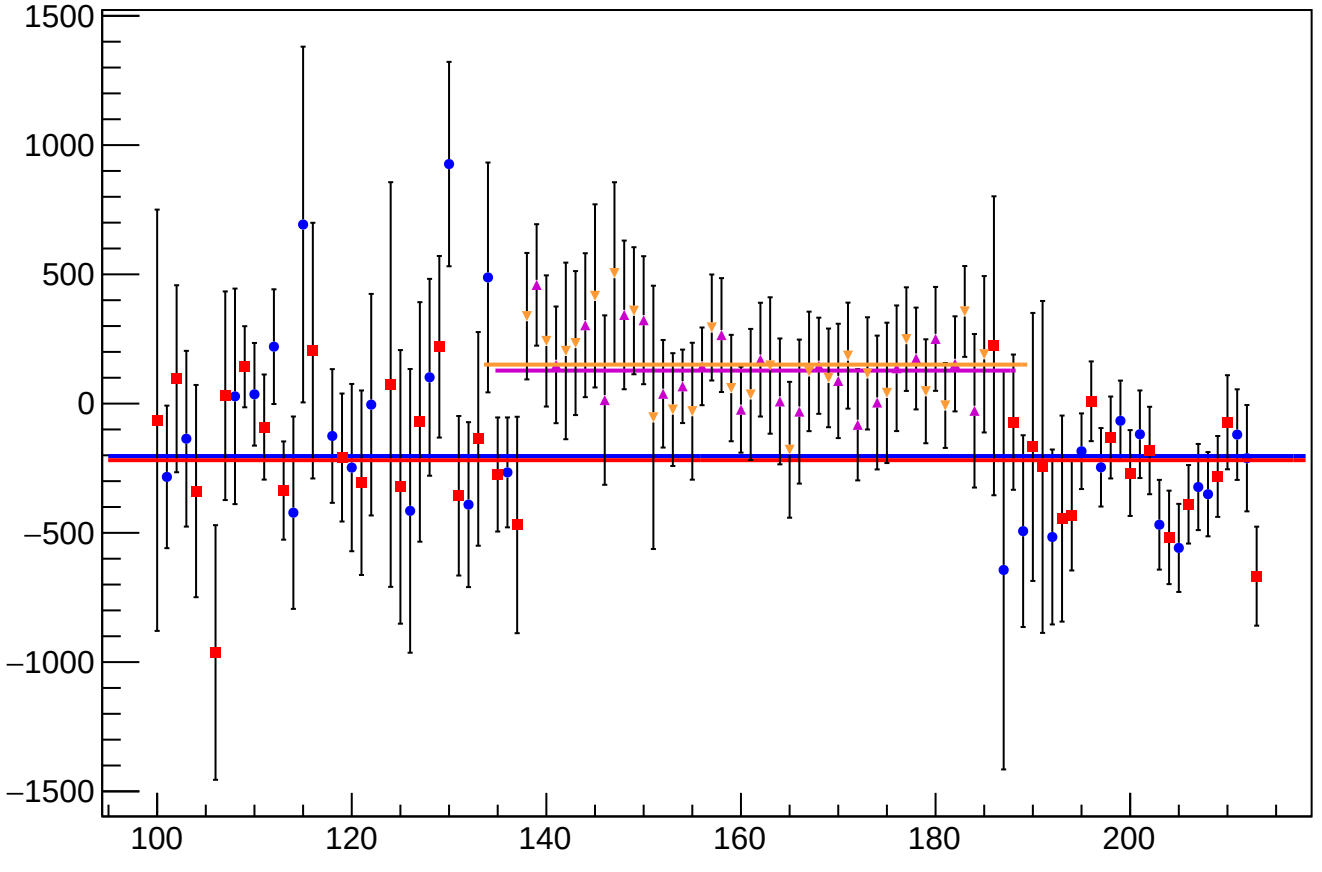
Right: 17.103+/-0.002 χ^2/NDF: 123515.1/62

In: 16.915+/-0.002 χ^2/NDF:186083.6/51

Out: 16.952+/-0.002 χ^2/NDF:211485.5/58

All: 16.934+/-0.001 χ^2/NDF: 397745.9/110

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -202.822+/-42.735 χ^2/NDF: 30.8/28

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

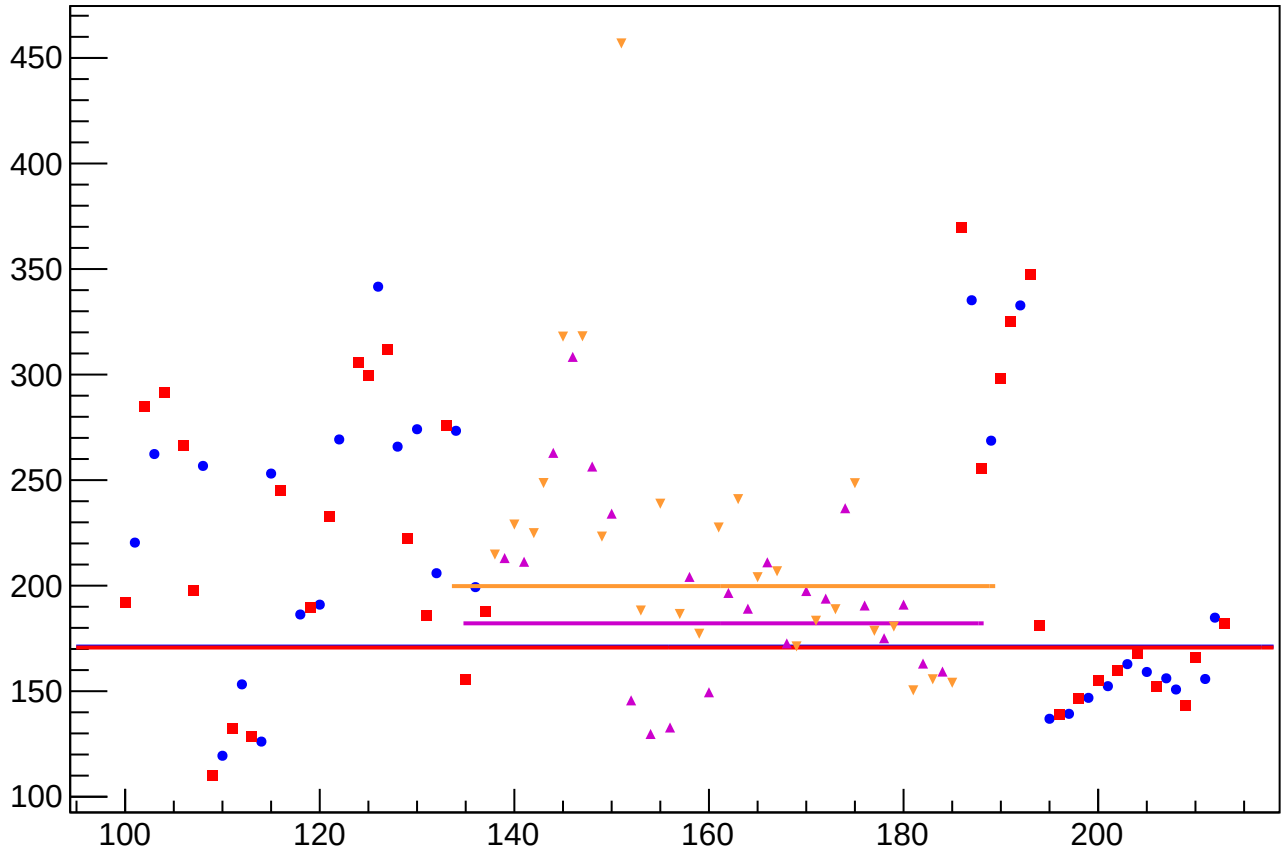
Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

Right: -211.092+/-29.722 χ^2/NDF: 59.0/62

In: -43.966+/-30.799 χ^2/NDF:67.4/51

Out: -57.594+/-31.062 χ^2/NDF:72.9/58

All: -50.722+/-21.870 χ^2/NDF: 140.5/110



Right In: 171.139+/-0.030 χ^2/NDF: 2276584.6/28

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

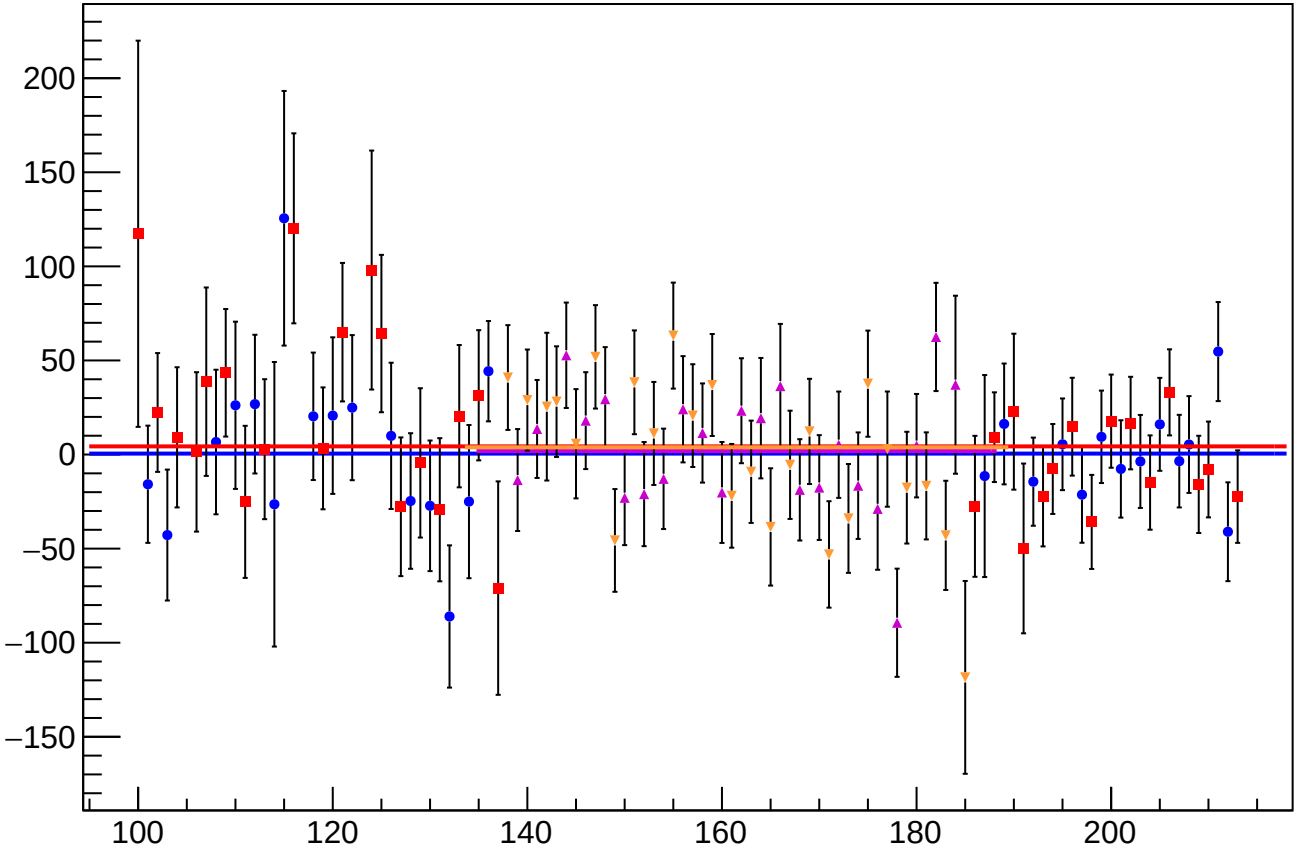
Right: 170.908+/-0.021 χ^2/NDF: 5217814.2/62

In: 176.431+/-0.022 χ^2/NDF:3924757.1/51

Out: 183.380+/-0.022 χ^2/NDF:5132884.2/58

All: 179.876+/-0.015 χ^2/NDF: 9108121.9/110

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.501+/-5.763 χ^2/NDF: 25.7/28

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

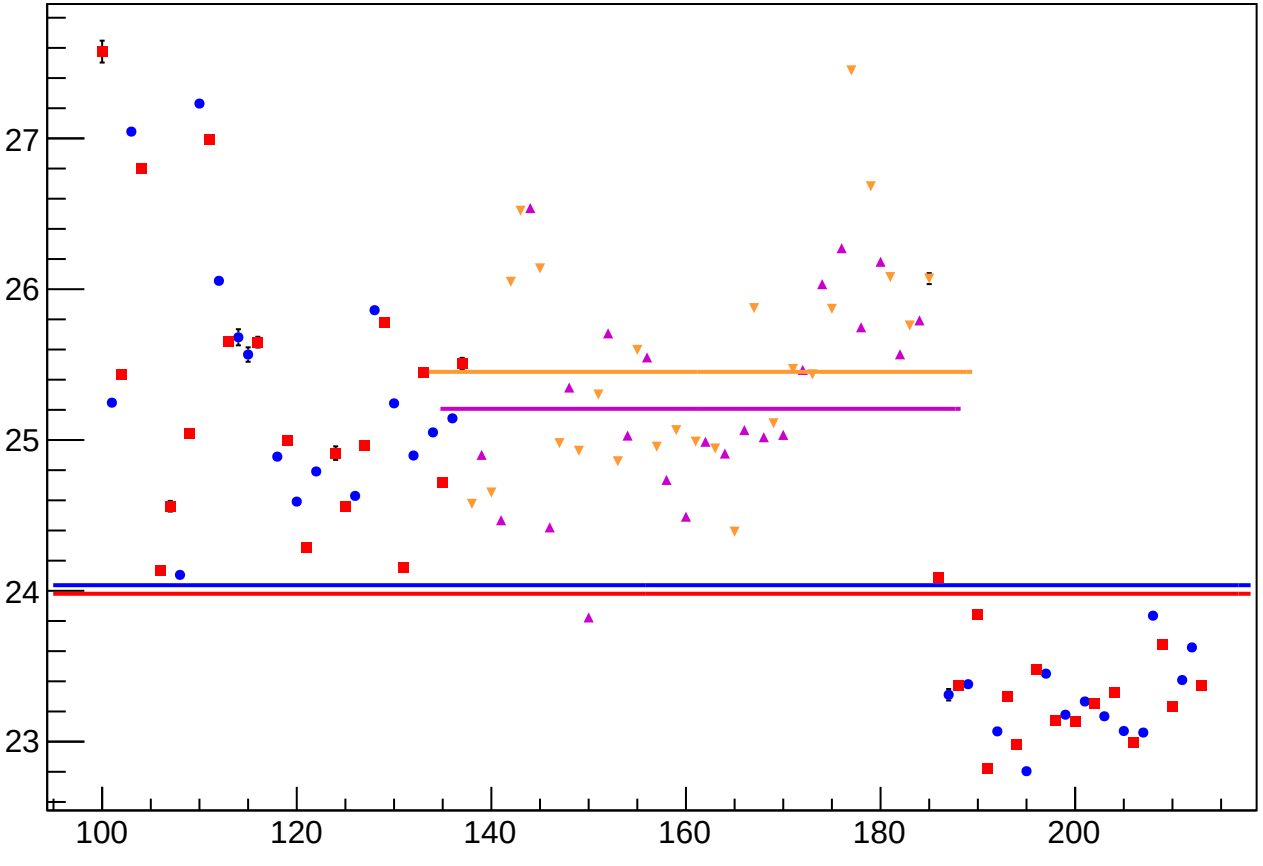
Right: 2.507+/-3.978 χ^2/NDF: 57.3/62

In: 1.160+/-4.120 χ^2/NDF:53.8/51

Out: 4.095+/-3.987 χ^2/NDF:69.0/58

All: 2.676+/-2.865 χ^2/NDF: 123.0/110

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.037+/-0.004 χ^2/NDF: 77855.7/28

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

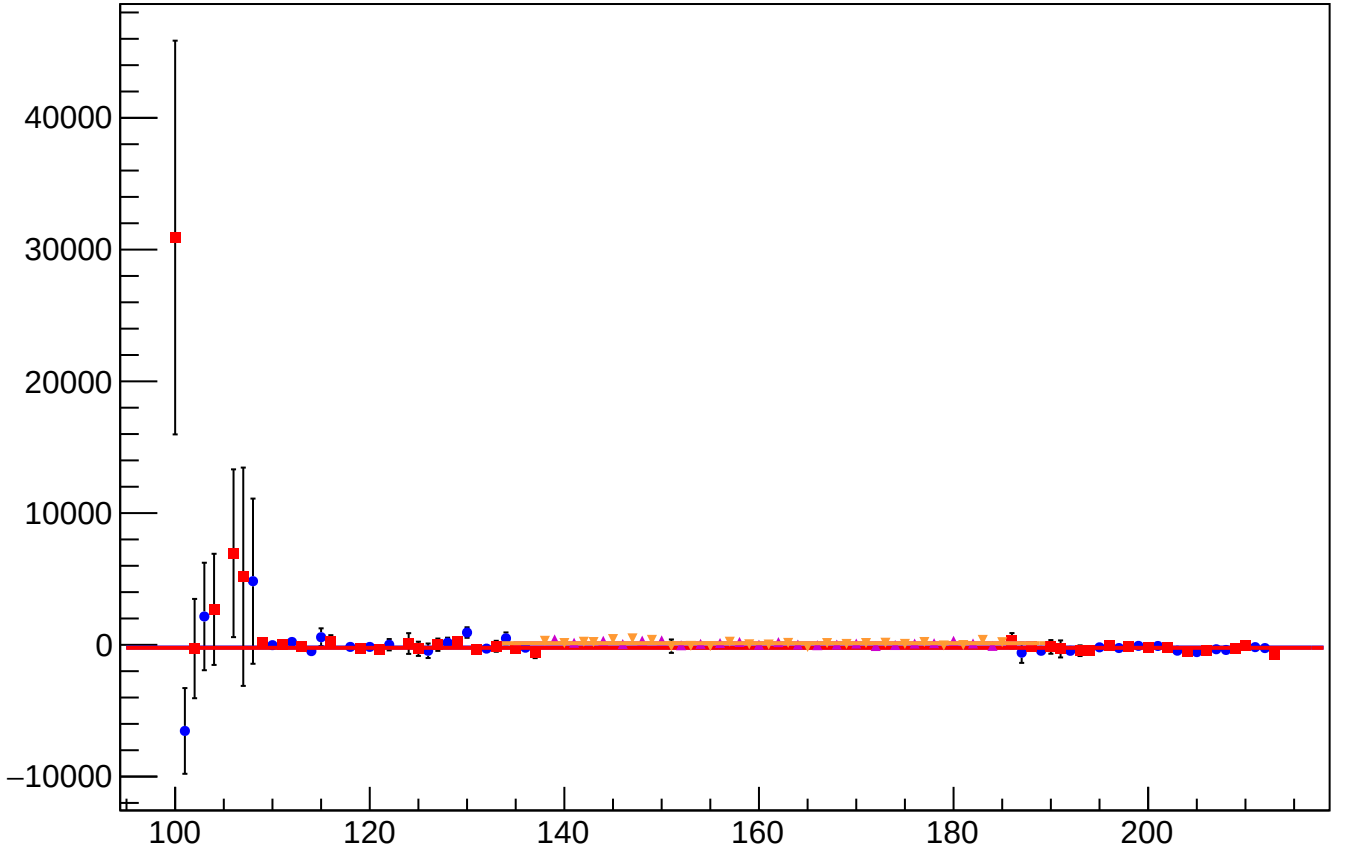
Right: 24.008+/-0.003 χ^2/NDF: 152537.0/62

In: 24.609+/-0.003 χ^2/NDF:143946.2/51

Out: 24.678+/-0.003 χ^2/NDF:172103.5/58

All: 24.645+/-0.002 χ^2/NDF: 316343.1/110

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -205.674+/-44.558 χ^2/NDF: 33.4/28

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

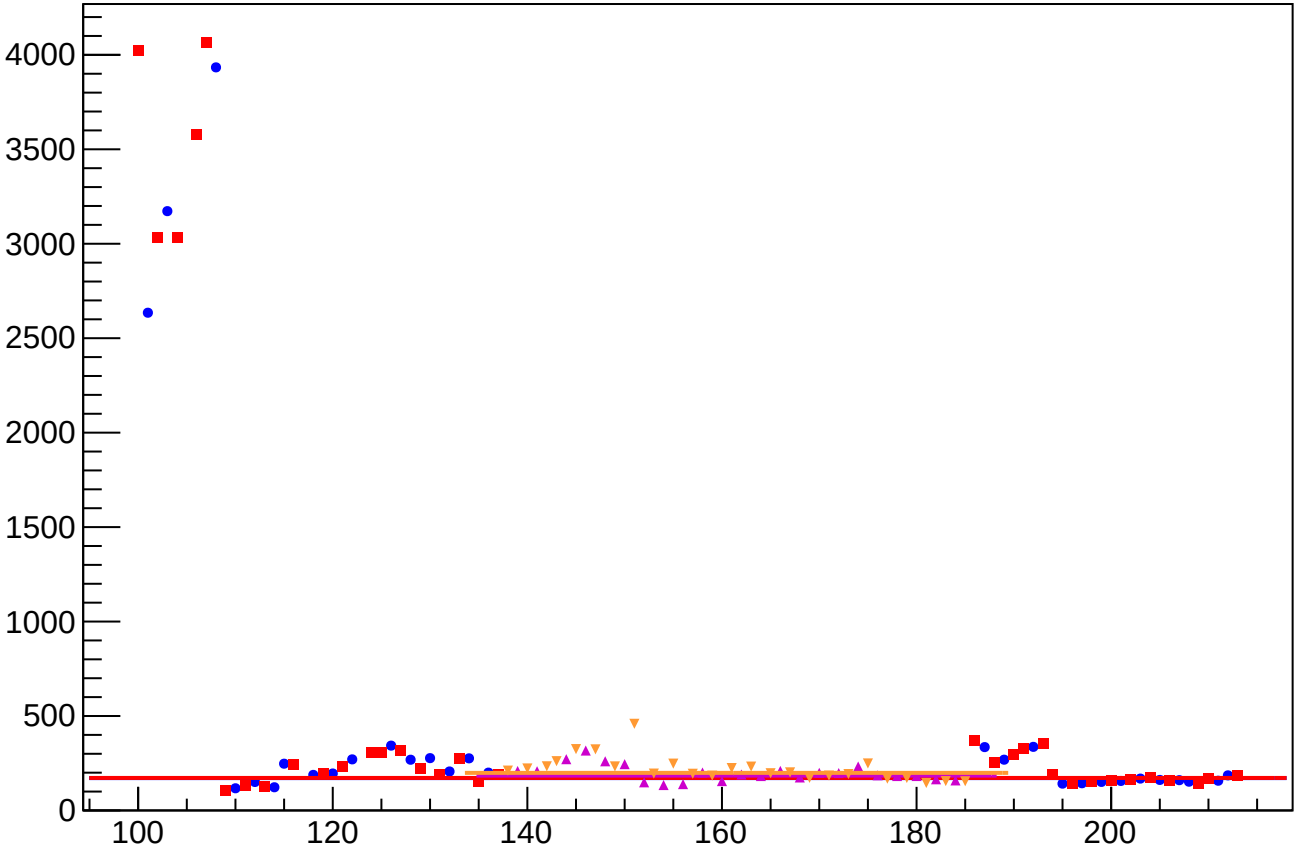
Right: -216.601+/-31.175 χ^2/NDF: 64.9/62

In: -45.325+/-31.617 χ^2/NDF:67.4/51

Out: -63.753+/-31.953 χ^2/NDF:72.7/58

All: -54.441+/-22.475 χ^2/NDF: 140.3/110

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.281+/-0.032 χ^2/NDF: 4878760.4/28

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

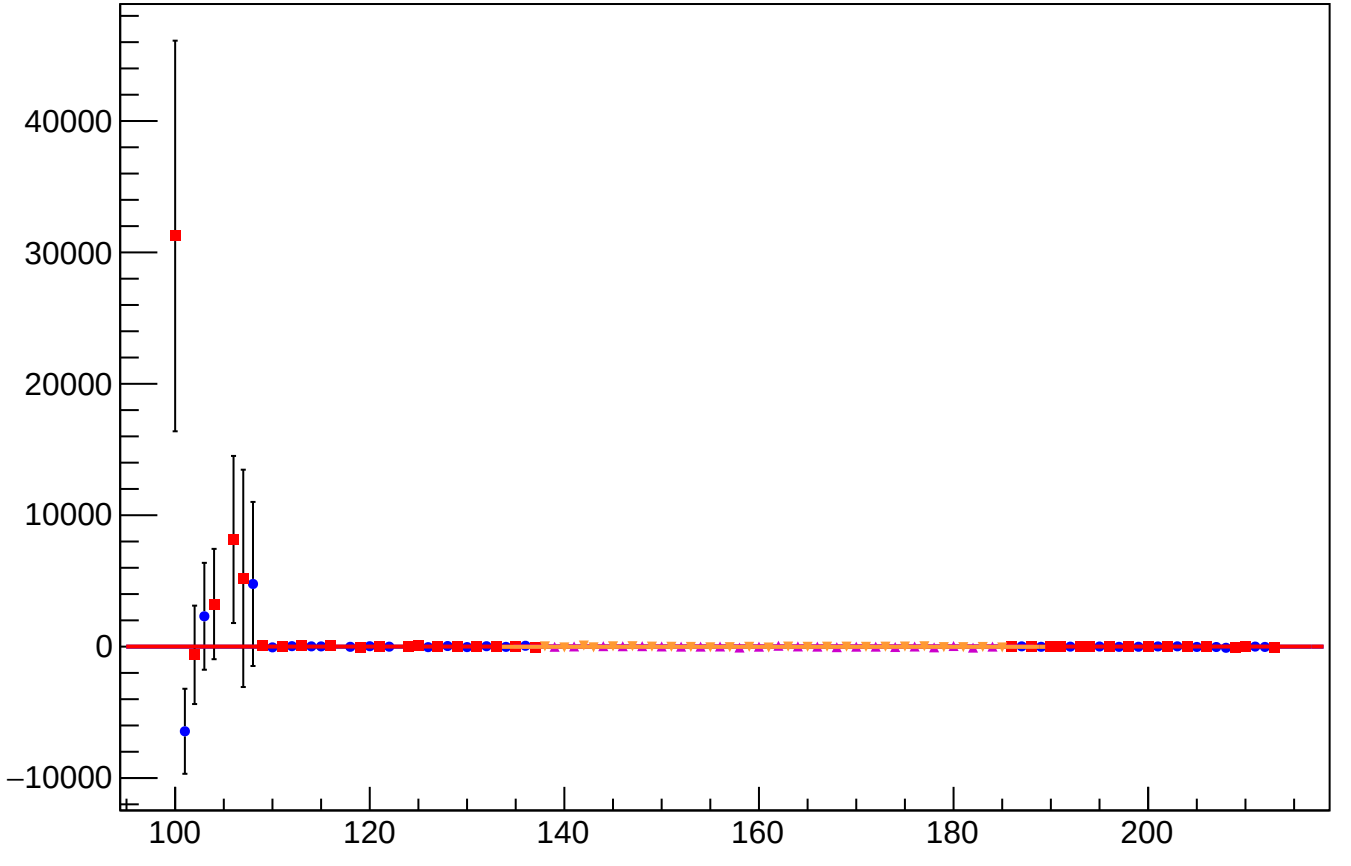
Right: 171.710+/-0.022 χ^2/NDF: 10466209.6/62

In: 177.794+/-0.022 χ^2/NDF:6411123.3/51

Out: 184.582+/-0.023 χ^2/NDF:7840997.1/58

All: 181.152+/-0.016 χ^2/NDF: 14297722.1/11

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.546+/-6.885 χ^2/NDF: 28.7/28

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

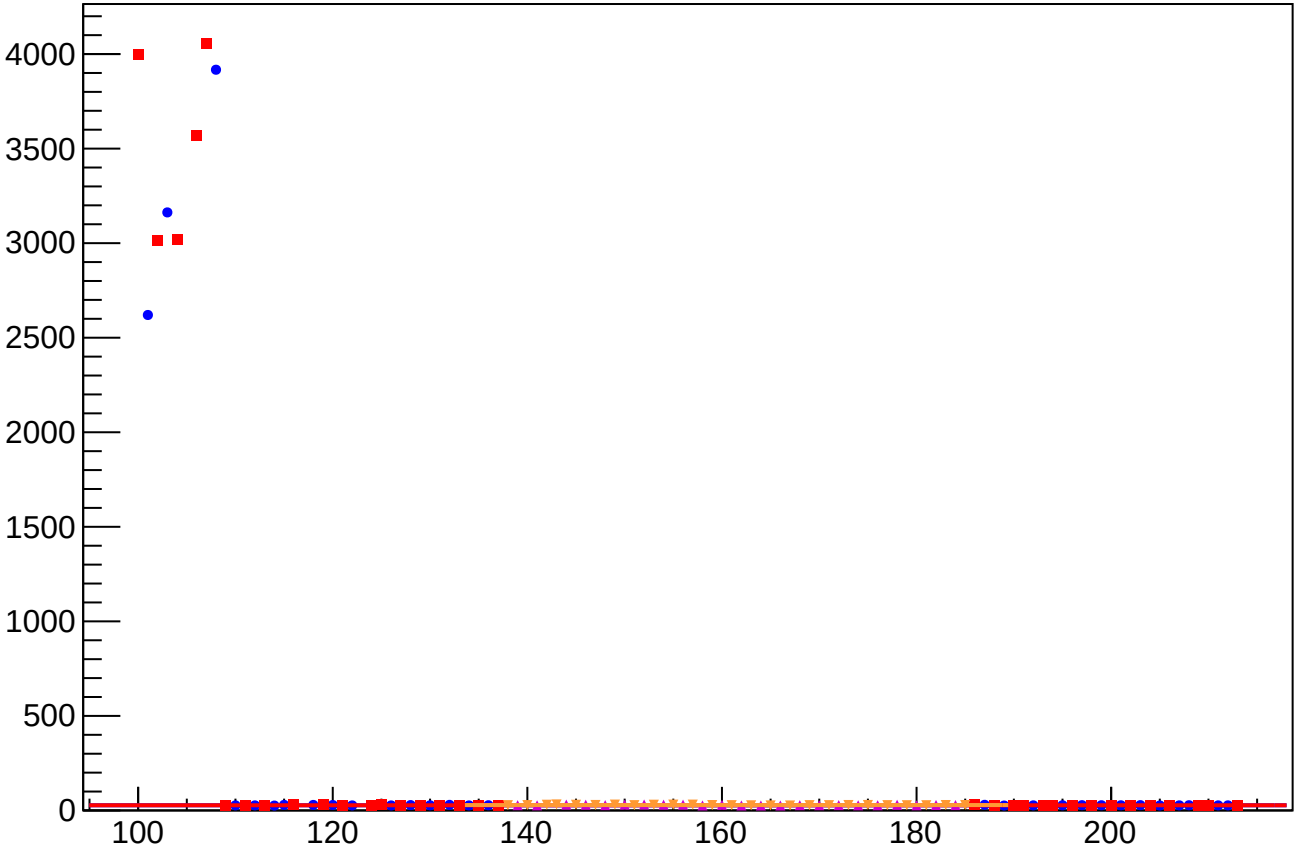
Right: 0.665+/-4.786 χ^2/NDF: 69.5/62

In: -1.097+/-4.803 χ^2/NDF:57.4/51

Out: -4.871+/-4.655 χ^2/NDF:66.8/58

All: -3.043+/-3.343 χ^2/NDF: 124.6/110

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.349+/-0.005 χ^2/NDF: 3281096.0/28

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

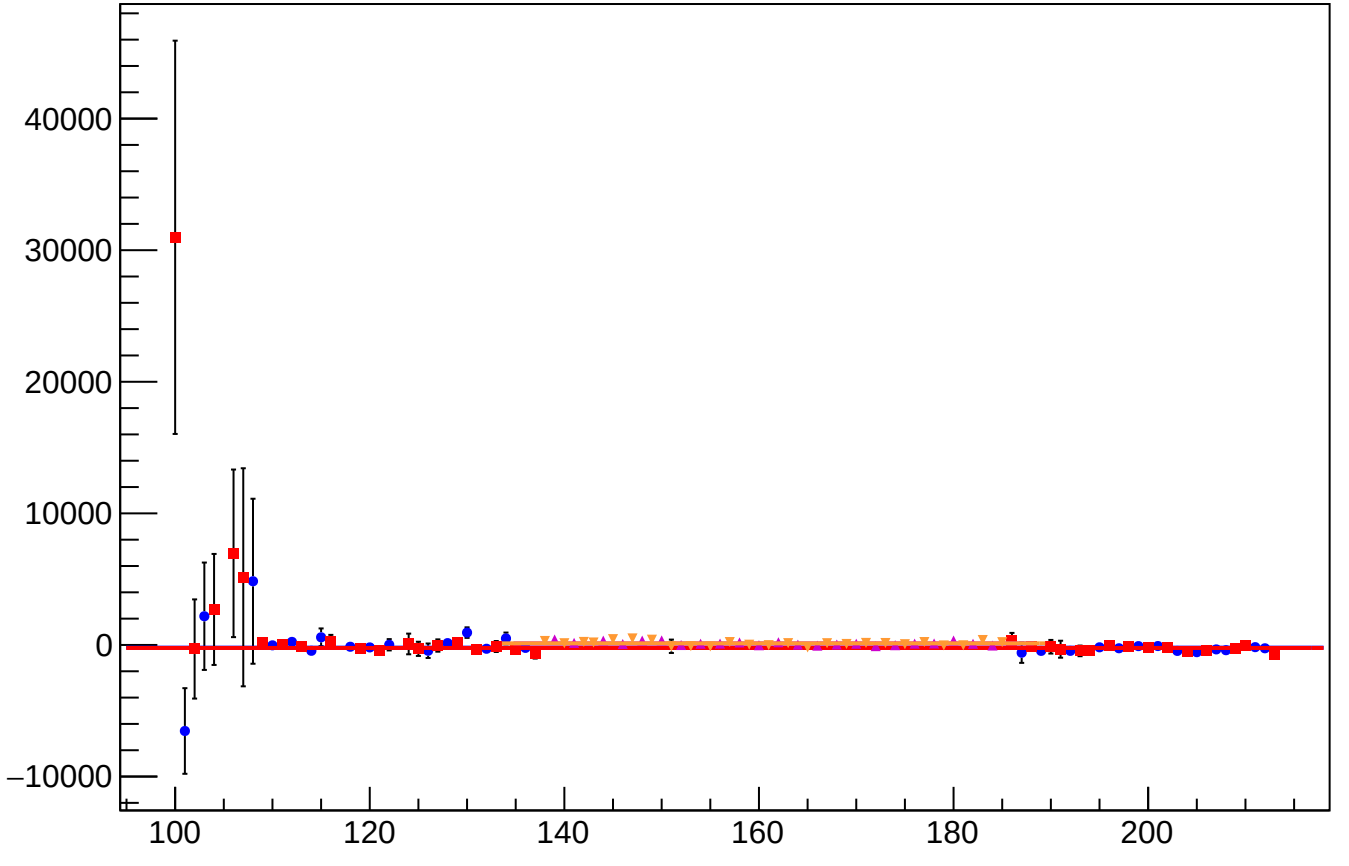
Right: 27.369+/-0.003 χ^2/NDF: 6876331.9/62

In: 27.994+/-0.003 χ^2/NDF:3438239.9/51

Out: 28.000+/-0.003 χ^2/NDF:3716448.1/58

All: 27.997+/-0.002 χ^2/NDF: 7154689.3/110

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -206.014+/-44.429 χ^2/NDF: 33.8/28

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

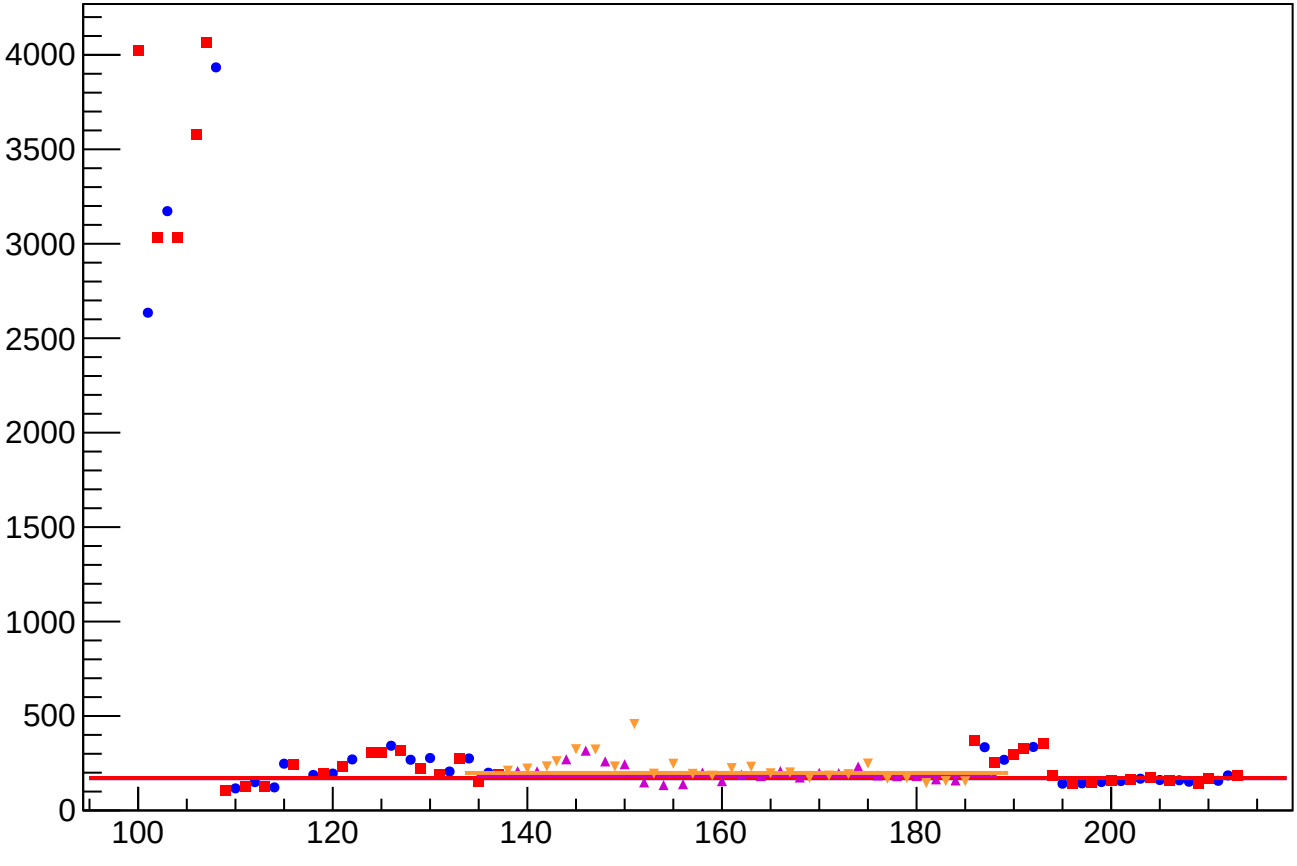
Right: -217.178+/-31.086 χ^2/NDF: 66.1/62

In: -46.176+/-31.541 χ^2/NDF:68.3/51

Out: -65.804+/-31.874 χ^2/NDF:74.2/58

All: -55.887+/-22.420 χ^2/NDF: 142.6/110

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.748+/-0.031 χ^2/NDF: 4892450.6/28

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

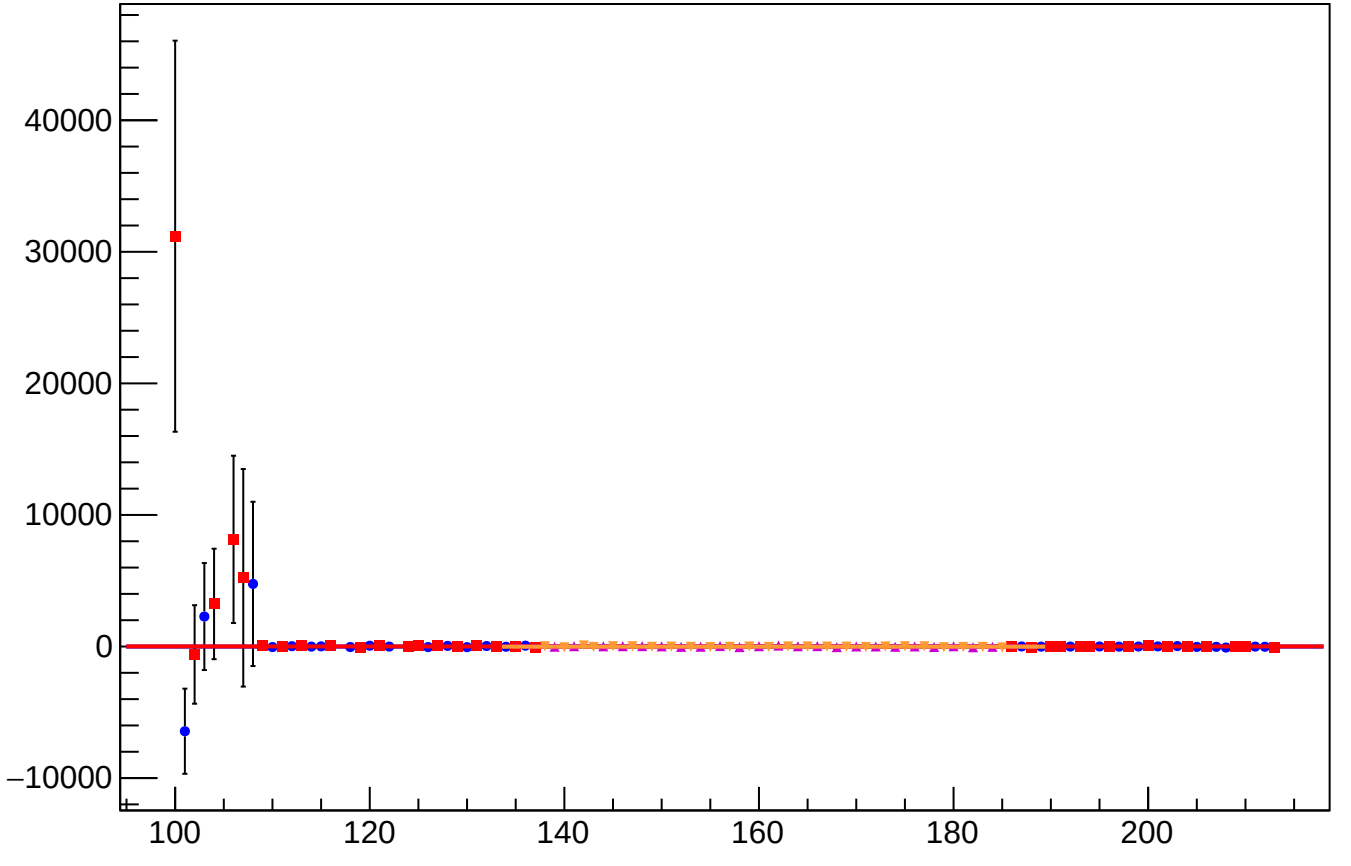
Right: 171.177+/-0.022 χ^2/NDF: 10498755.9/62

In: 177.346+/-0.022 χ^2/NDF:6426813.2/51

Out: 184.091+/-0.023 χ^2/NDF:7863802.3/58

All: 180.683+/-0.016 χ^2/NDF: 14335867.1/11

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.743+/-6.853 χ^2/NDF: 29.2/28

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

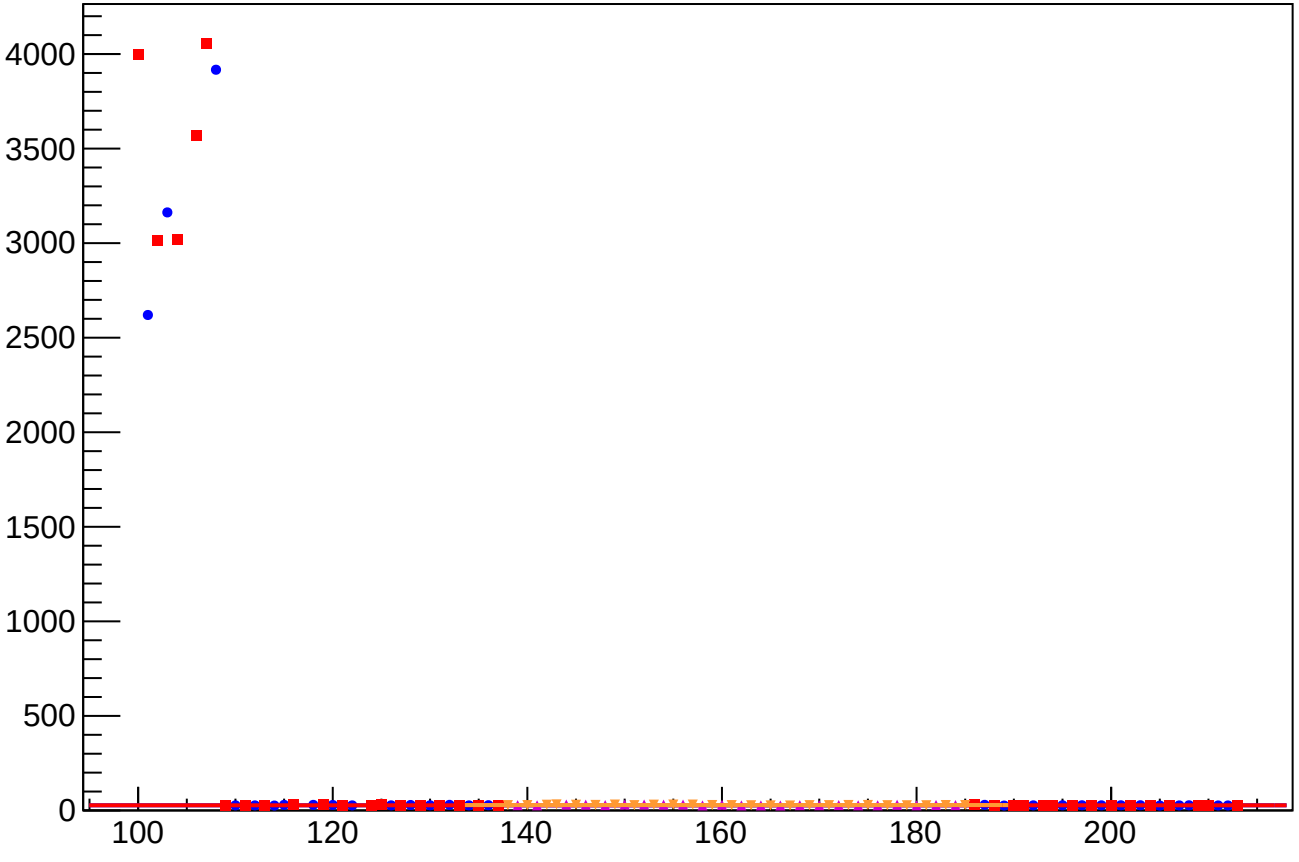
Right: 0.868+/-4.766 χ^2/NDF: 68.8/62

In: -1.509+/-4.803 χ^2/NDF:52.1/51

Out: -2.532+/-4.657 χ^2/NDF:59.8/58

All: -2.037+/-3.343 χ^2/NDF: 111.9/110

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.218+/-0.005 χ^2/NDF: 3288472.3/28

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

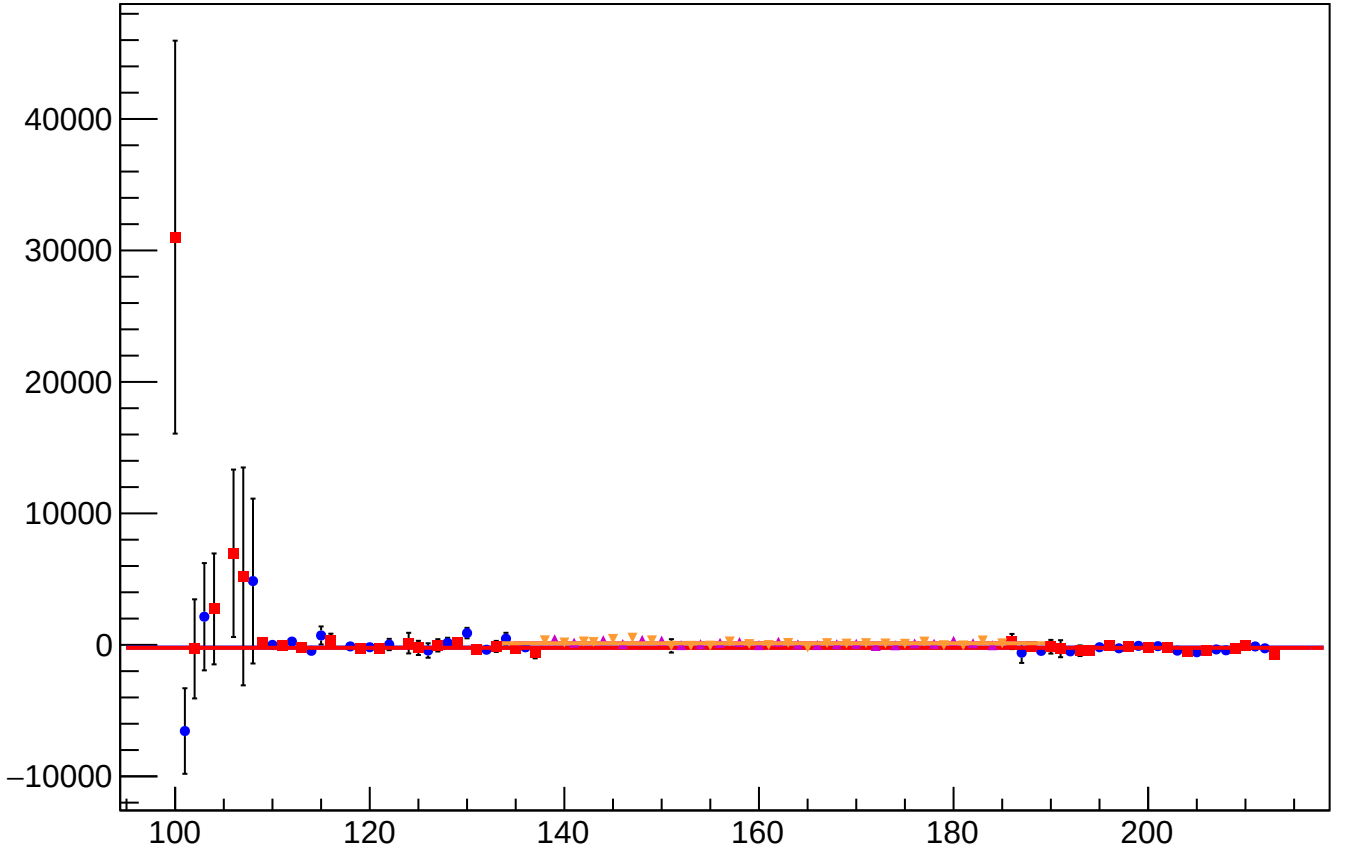
Right: 27.249+/-0.003 χ^2/NDF: 6887033.4/62

In: 27.986+/-0.003 χ^2/NDF:3465274.5/51

Out: 28.003+/-0.003 χ^2/NDF:3744427.1/58

All: 27.995+/-0.002 χ^2/NDF: 7209713.9/110

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -205.184+/-44.763 χ^2/NDF: 34.9/28

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

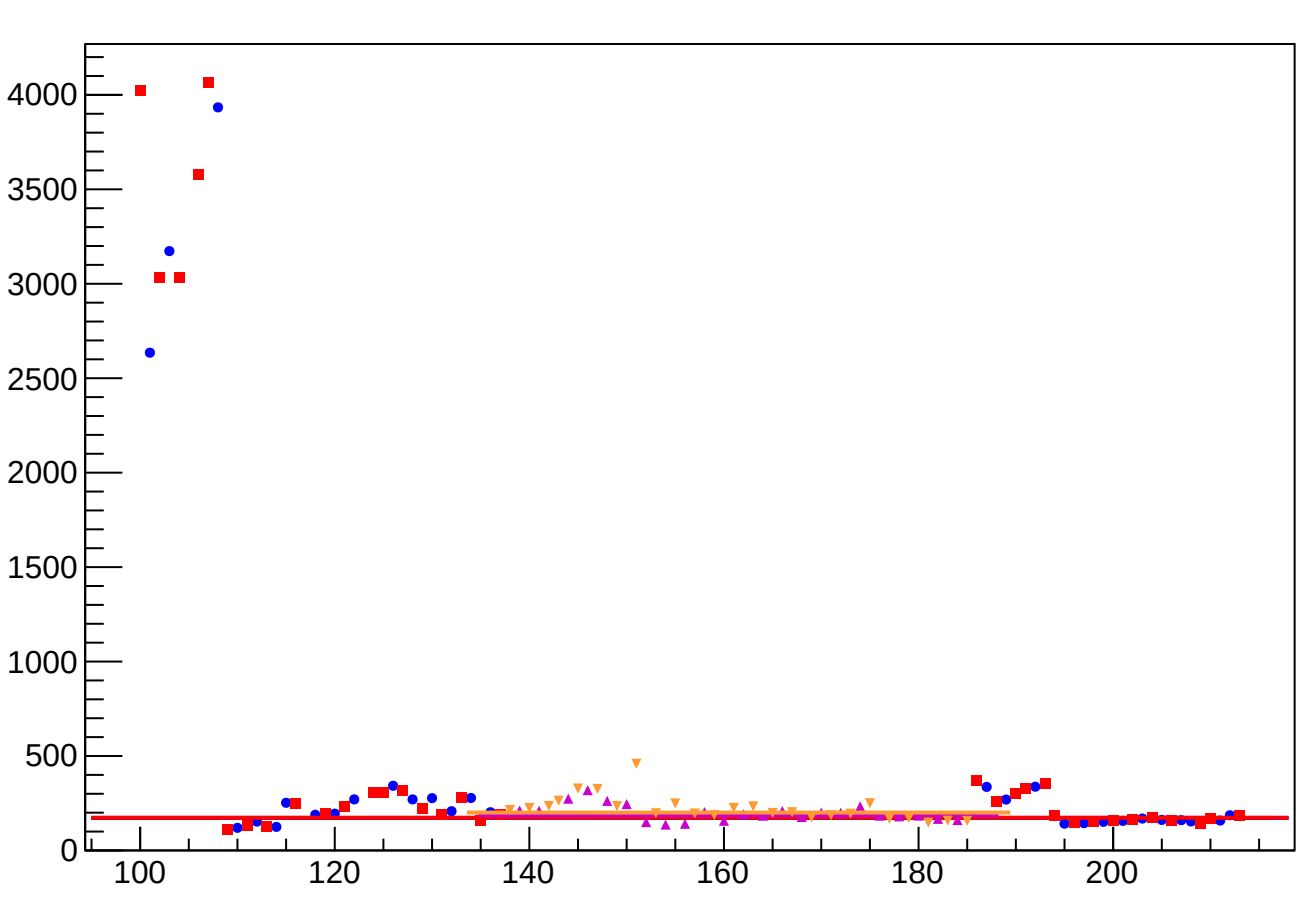
Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

Right: -214.999+/-31.320 χ^2/NDF: 66.2/62

In: -42.913+/-31.830 χ^2/NDF:69.9/51

Out: -63.950+/-32.152 χ^2/NDF:71.6/58

All: -53.326+/-22.620 χ^2/NDF: 141.7/110



Right In: 172.140+/-0.032 χ^2/NDF: 4859426.0/28

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

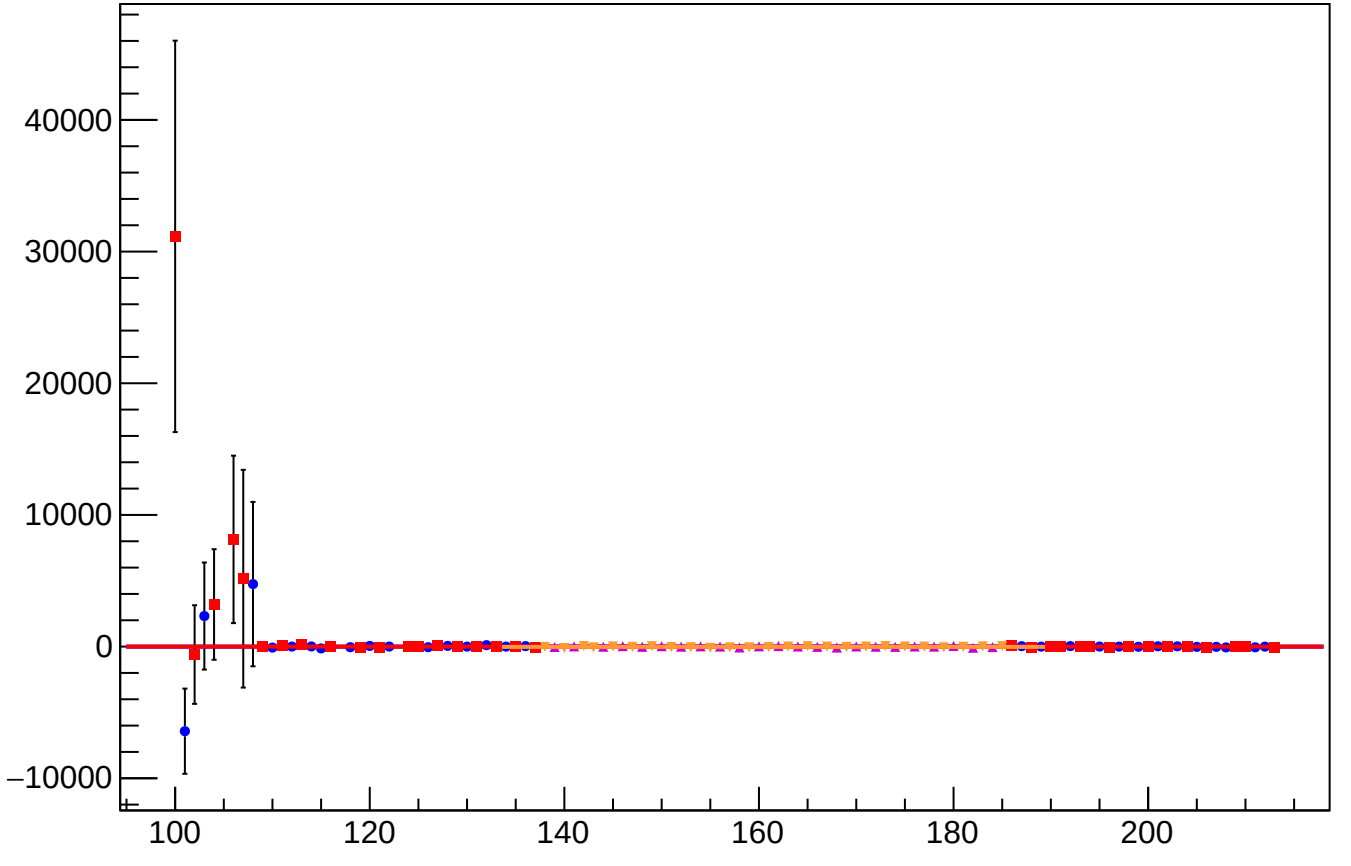
Right: 172.614+/-0.022 χ^2/NDF: 10402534.7/62

In: 179.076+/-0.023 χ^2/NDF:6369932.9/51

Out: 185.829+/-0.023 χ^2/NDF:7789540.6/58

All: 182.418+/-0.016 χ^2/NDF: 14204037.7/11

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.644+/-8.374 χ^2/NDF: 25.5/28

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

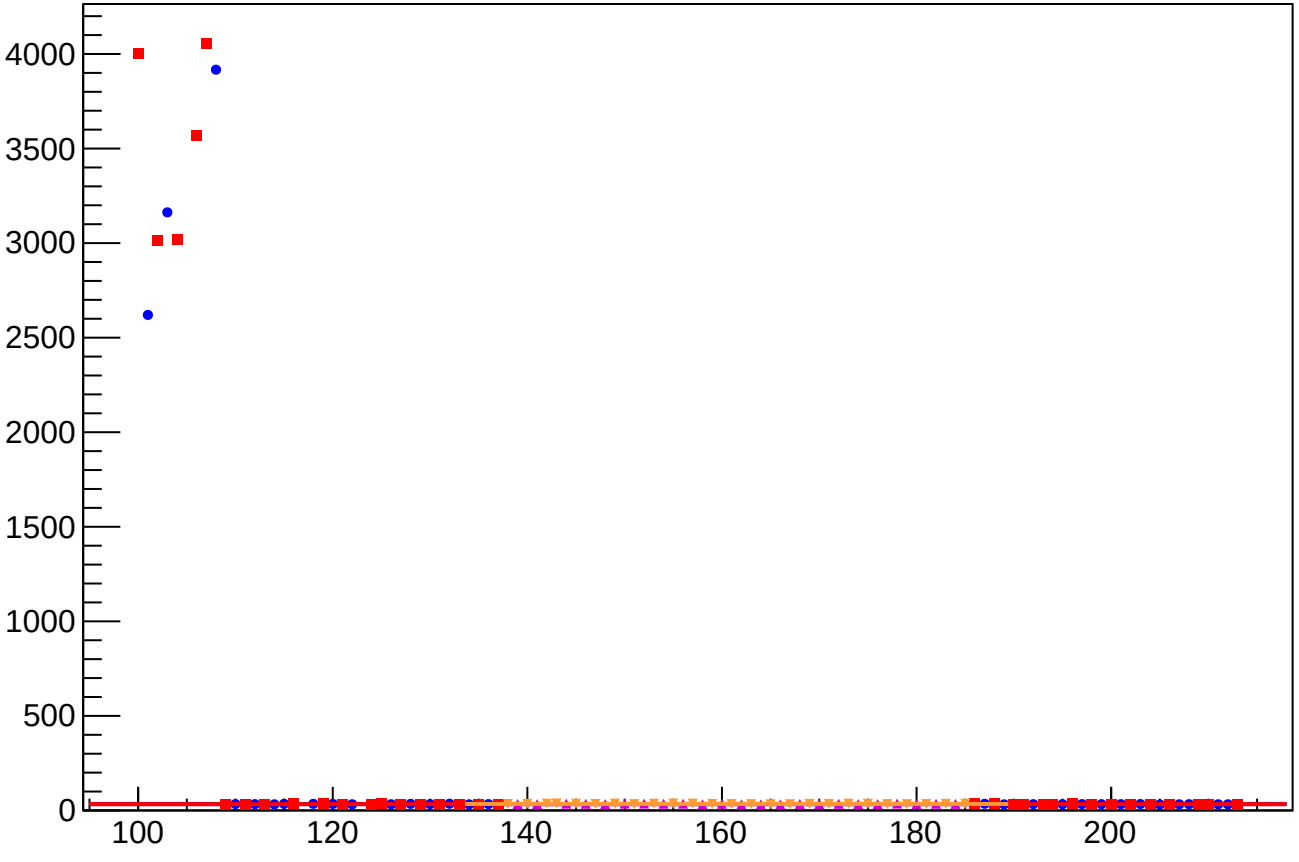
Right: -1.749+/-5.820 χ^2/NDF: 60.9/62

In: -3.361+/-5.816 χ^2/NDF:44.4/51

Out: -11.402+/-5.630 χ^2/NDF:61.6/58

All: -7.512+/-4.045 χ^2/NDF: 107.0/110

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.288+/-0.006 χ^2/NDF: 3257050.4/28

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

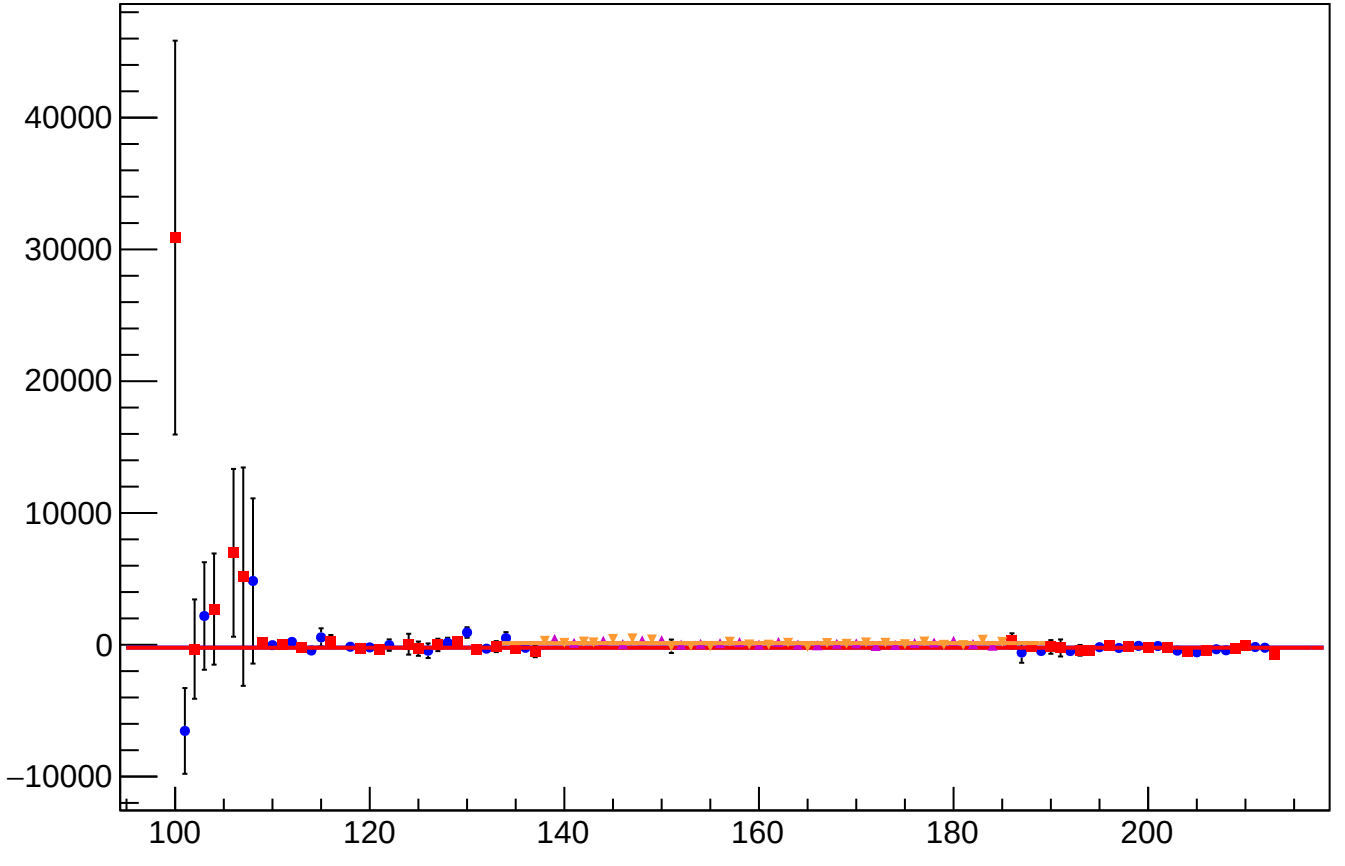
Right: 33.320+/-0.004 χ^2/NDF: 6807109.6/62

In: 33.942+/-0.004 χ^2/NDF:3339930.9/51

Out: 33.912+/-0.004 χ^2/NDF:3613360.3/58

All: 33.927+/-0.003 χ^2/NDF: 6953318.8/110

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -211.146+/-44.624 χ^2/NDF: 34.1/28

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

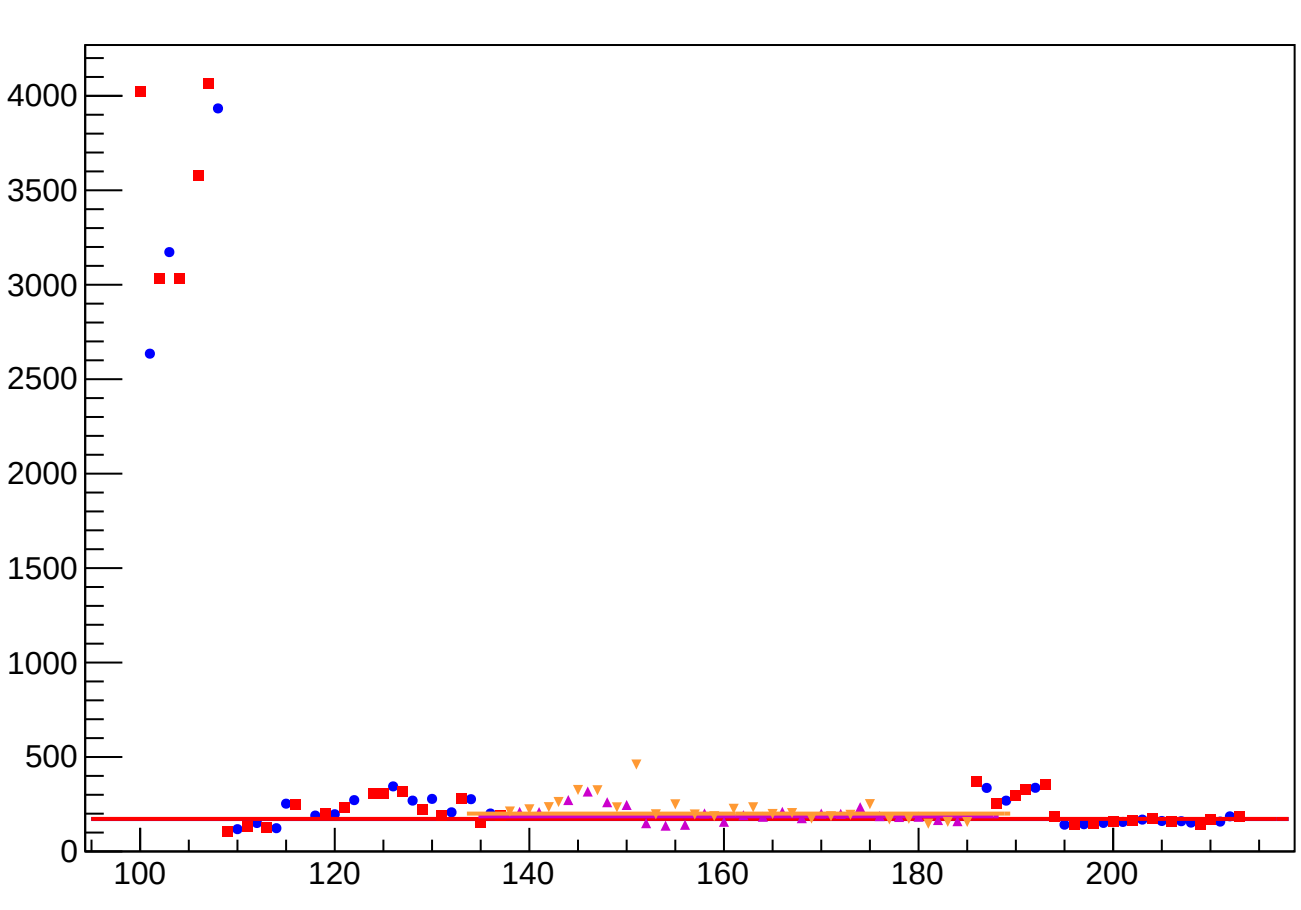
Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

Right: -218.041+/-31.216 χ^2/NDF: 64.5/62

In: -46.305+/-31.755 χ^2/NDF:69.7/51

Out: -62.201+/-32.068 χ^2/NDF:72.1/58

All: -54.175+/-22.564 χ^2/NDF: 141.9/110



Right In: 171.512+/-0.032 χ^2/NDF: 4888500.5/28

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

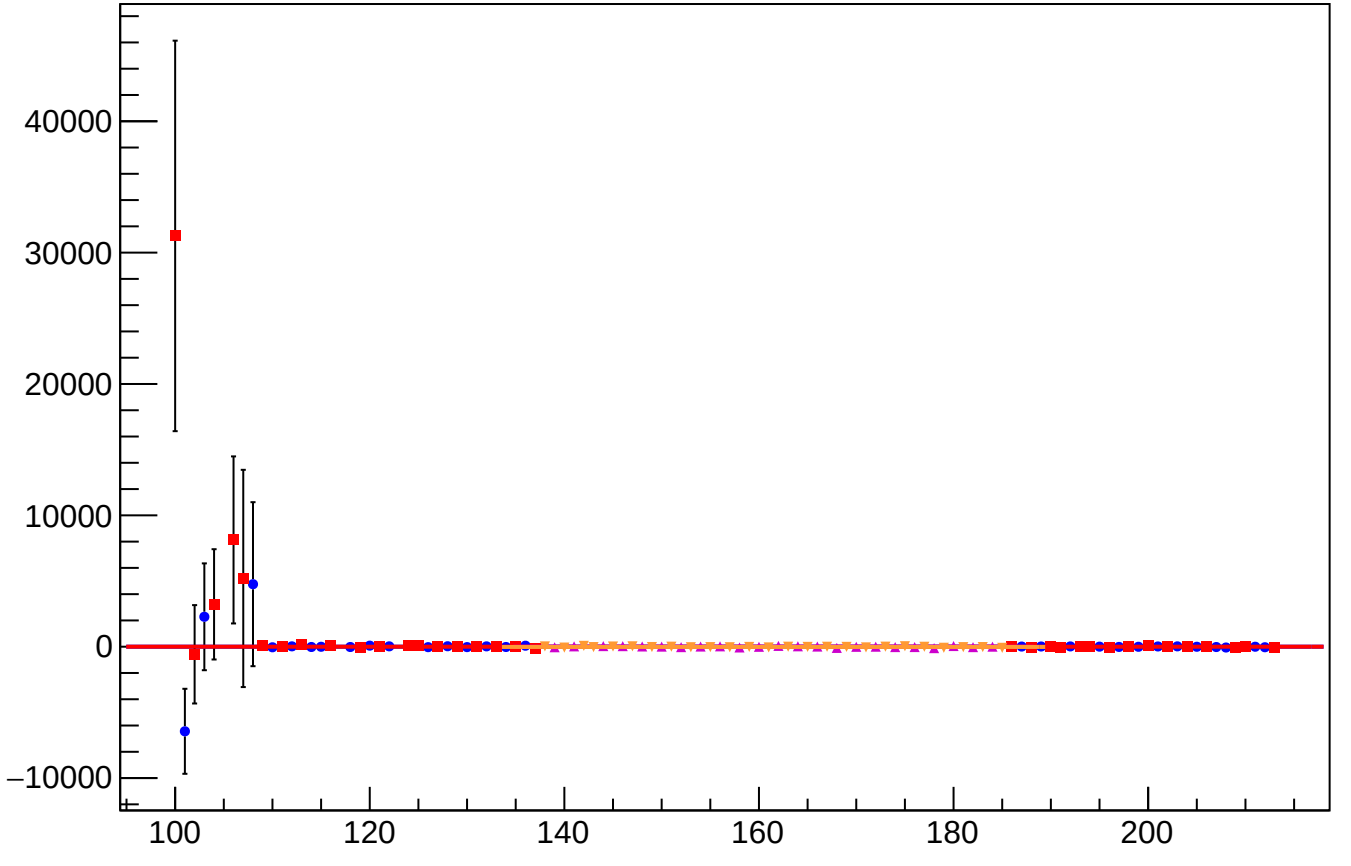
Right: 171.921+/-0.022 χ^2/NDF: 10482166.3/62

In: 178.600+/-0.022 χ^2/NDF:6396247.8/51

Out: 185.250+/-0.023 χ^2/NDF:7850328.0/58

All: 181.892+/-0.016 χ^2/NDF: 14290002.2/11

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.761+/-7.580 χ^2/NDF: 24.3/28

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

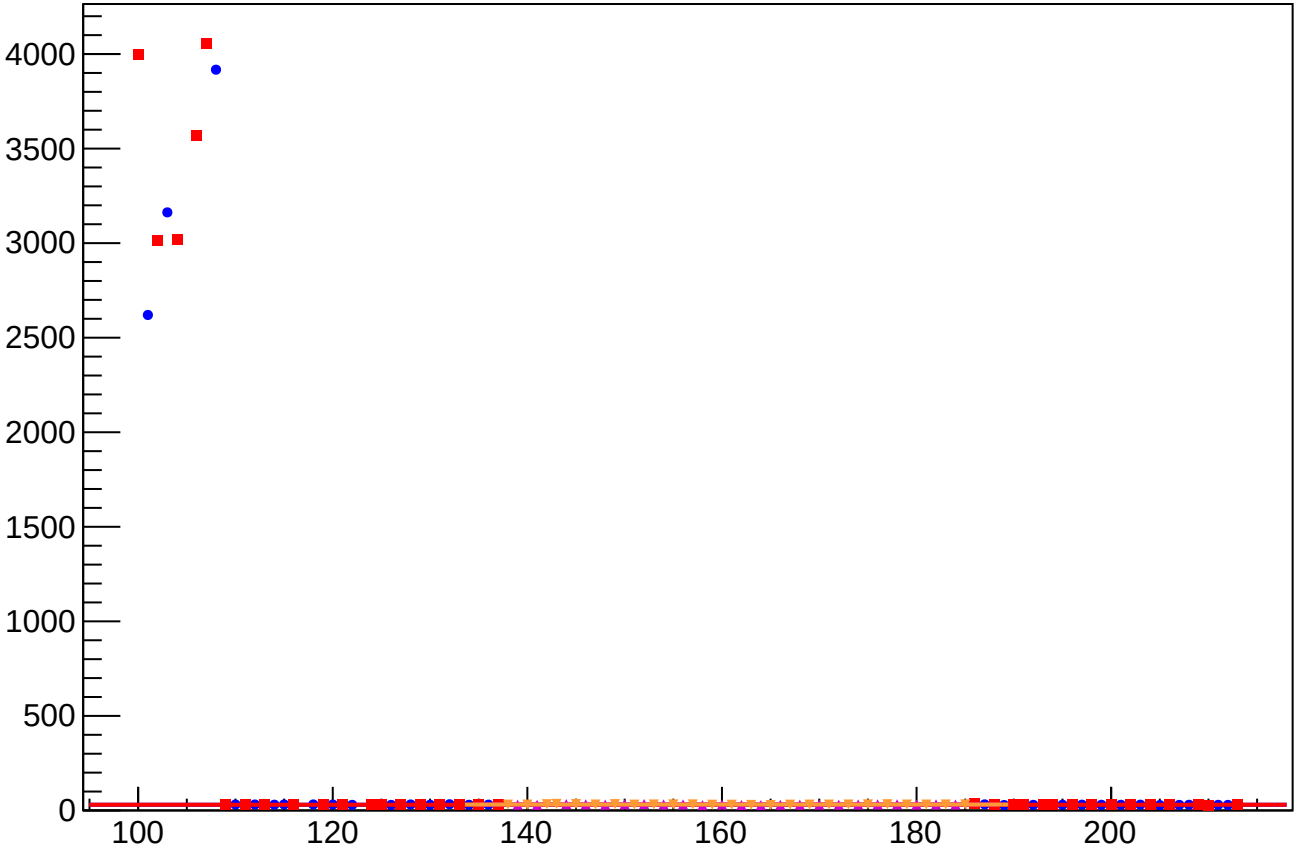
Right: 0.576+/-5.268 χ^2/NDF: 68.7/62

In: -1.028+/-5.276 χ^2/NDF:60.0/51

Out: -9.340+/-5.111 χ^2/NDF:68.2/58

All: -5.315+/-3.671 χ^2/NDF: 129.5/110

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.113+/-0.005 χ^2/NDF: 3275492.3/28

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

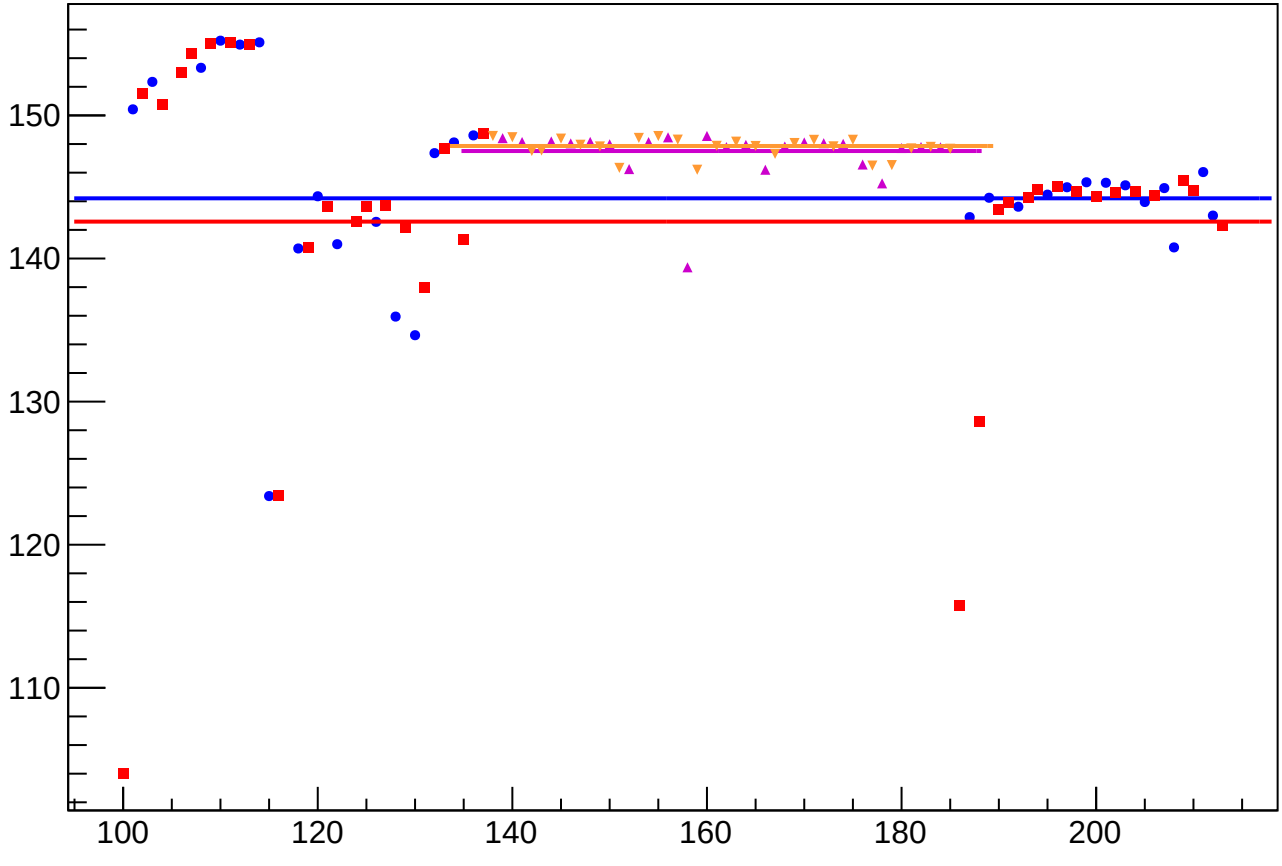
Right: 30.135+/-0.004 χ^2/NDF: 6845941.5/62

In: 30.766+/-0.004 χ^2/NDF:3389521.4/51

Out: 30.763+/-0.004 χ^2/NDF:3660263.4/58

All: 30.764+/-0.003 χ^2/NDF: 7049785.0/110

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.207+/-0.000 χ^2/NDF: 3777957888.9/28

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

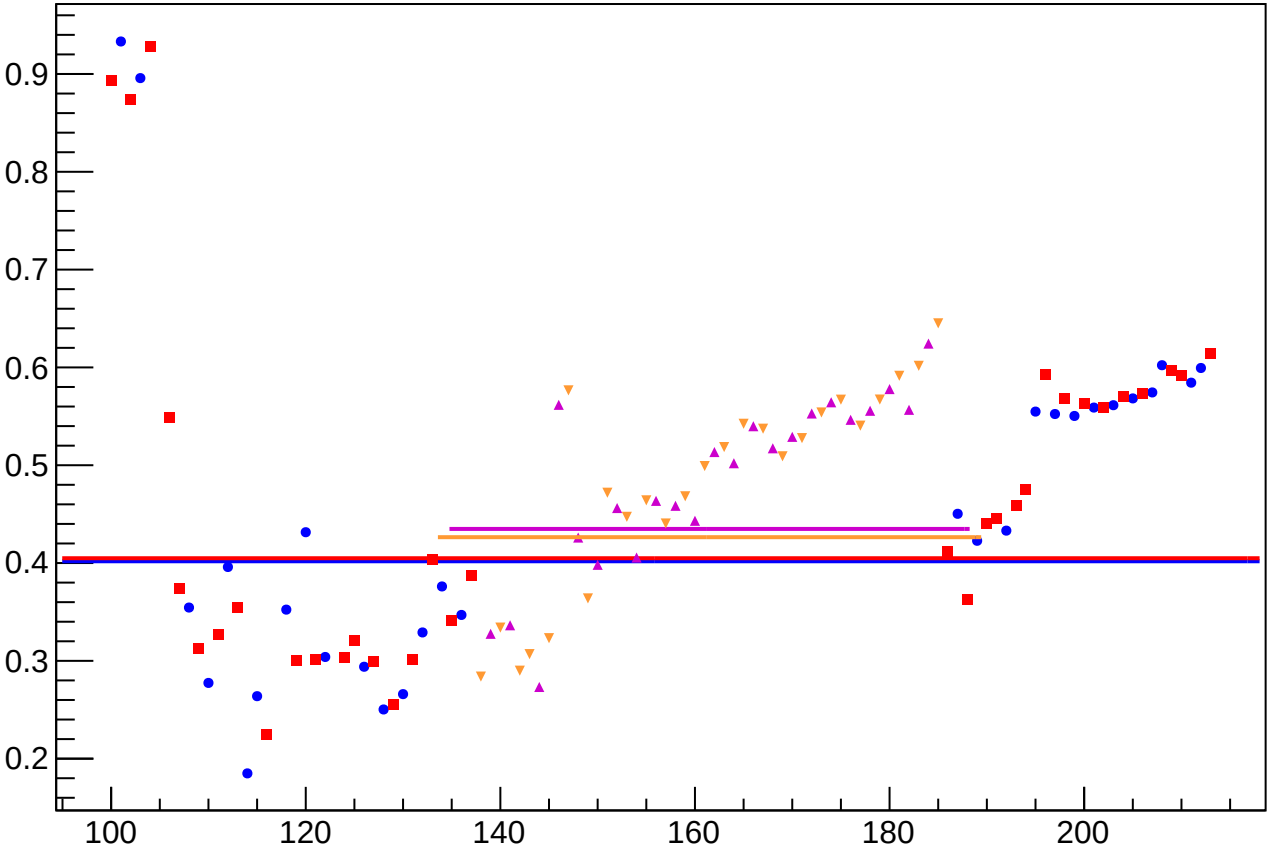
Right: 143.358+/-0.000 χ^2/NDF: 11484051587.9/62

In: 145.843+/-0.000 χ^2/NDF:4575867216.4/51

Out: 145.194+/-0.000 χ^2/NDF:8994518605.4/58

All: 145.505+/-0.000 χ^2/NDF: 13609949316.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.402+/-0.000 χ^2/NDF: 3565849.6/28

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

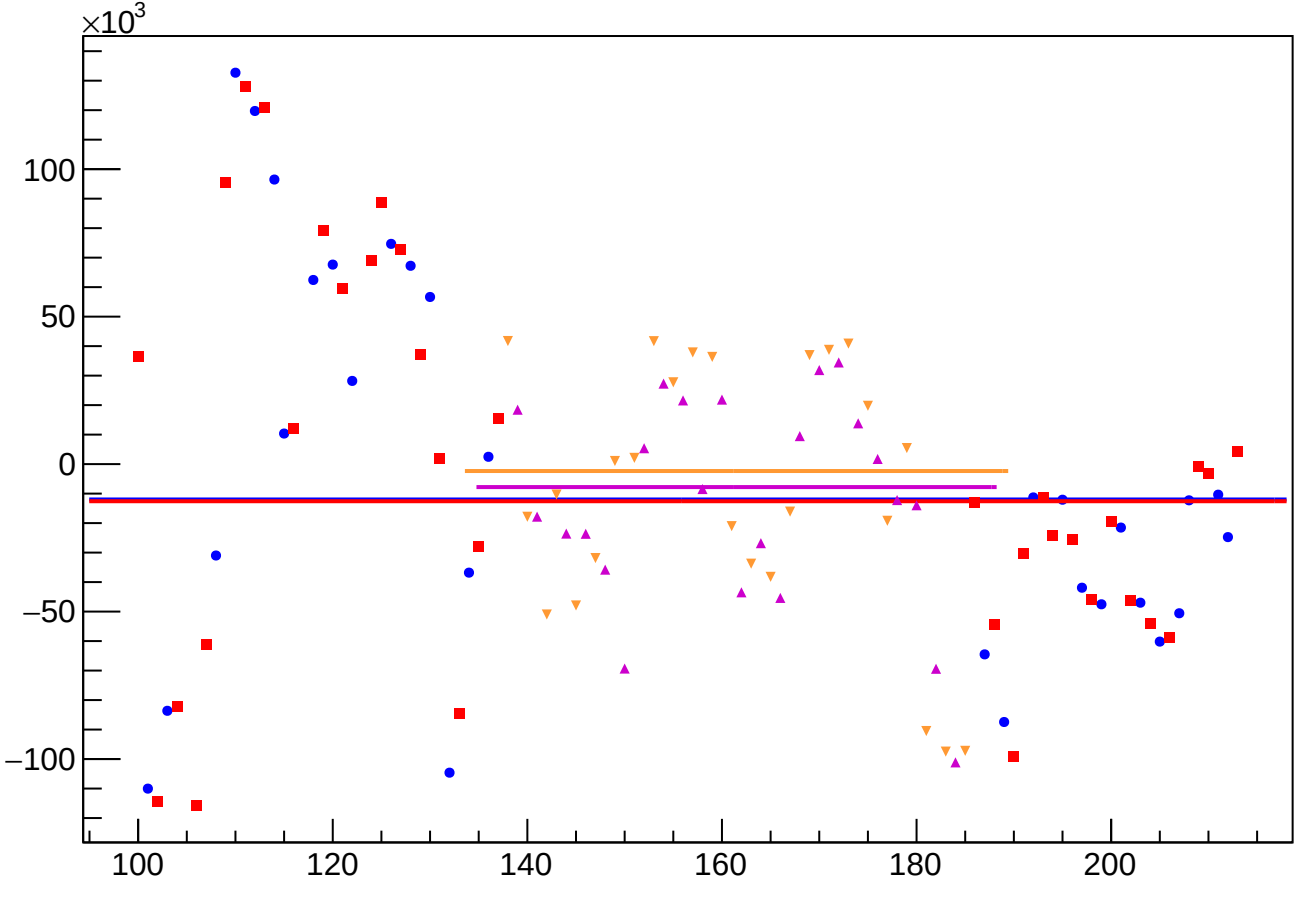
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.403+/-0.000 χ^2/NDF: 7036206.6/62

In: 0.418+/-0.000 χ^2/NDF:5439172.1/51

Out: 0.416+/-0.000 χ^2/NDF:5773993.8/58

All: 0.417+/-0.000 χ^2/NDF: 11214467.2/110



Right In: -11992.770+/-1.318 χ^2/NDF: 1940808688.6/28

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

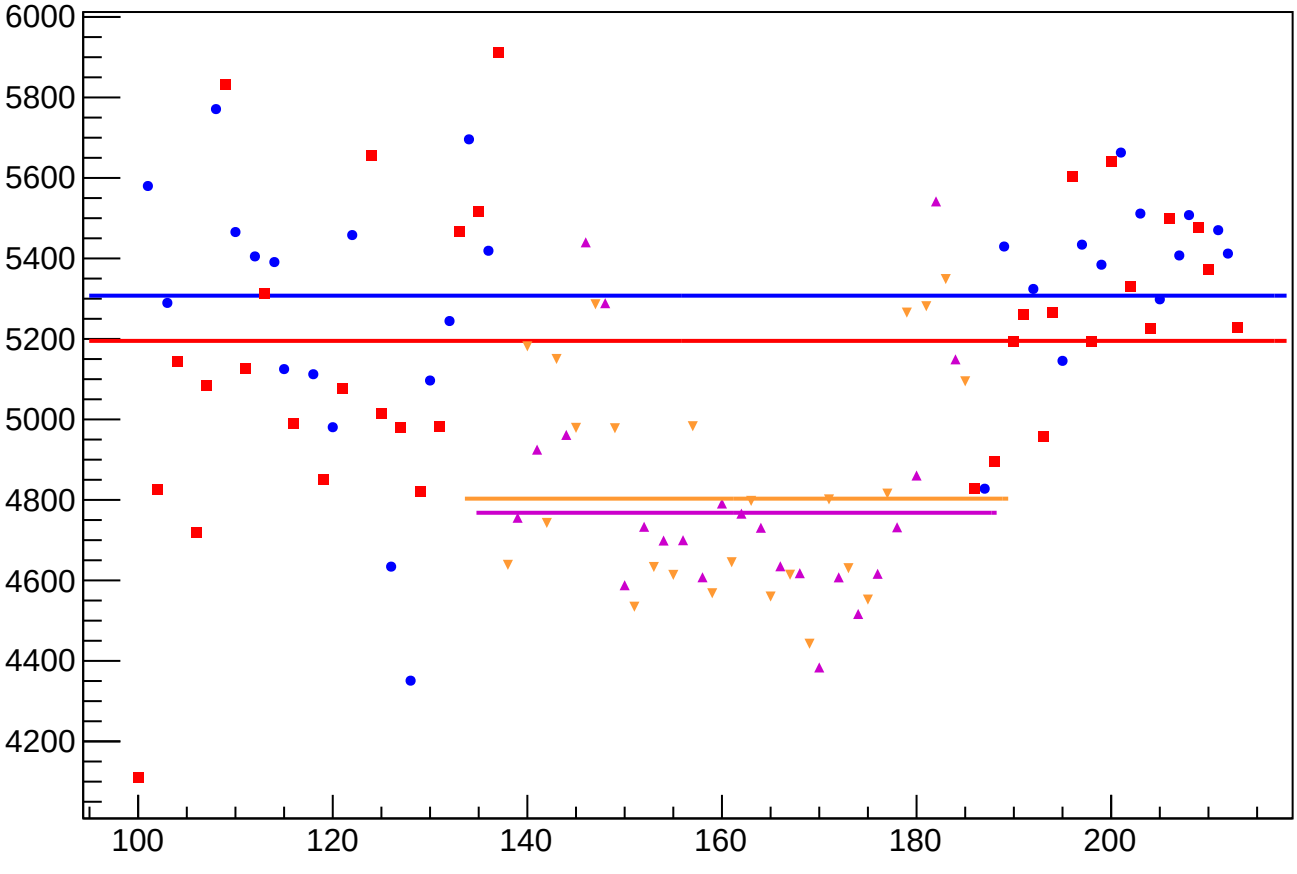
Right: -12310.116+/-0.900 χ^2/NDF: 4345360602.9/

In: -9595.369+/-0.864 χ^2/NDF:2709107471.7/51

Out: -6992.794+/-0.830 χ^2/NDF:3672204812.5/58

All: -8241.798+/-0.599 χ^2/NDF: 6386029011

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5307.503+/-0.932 χ^2/NDF: 102872.3/28

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

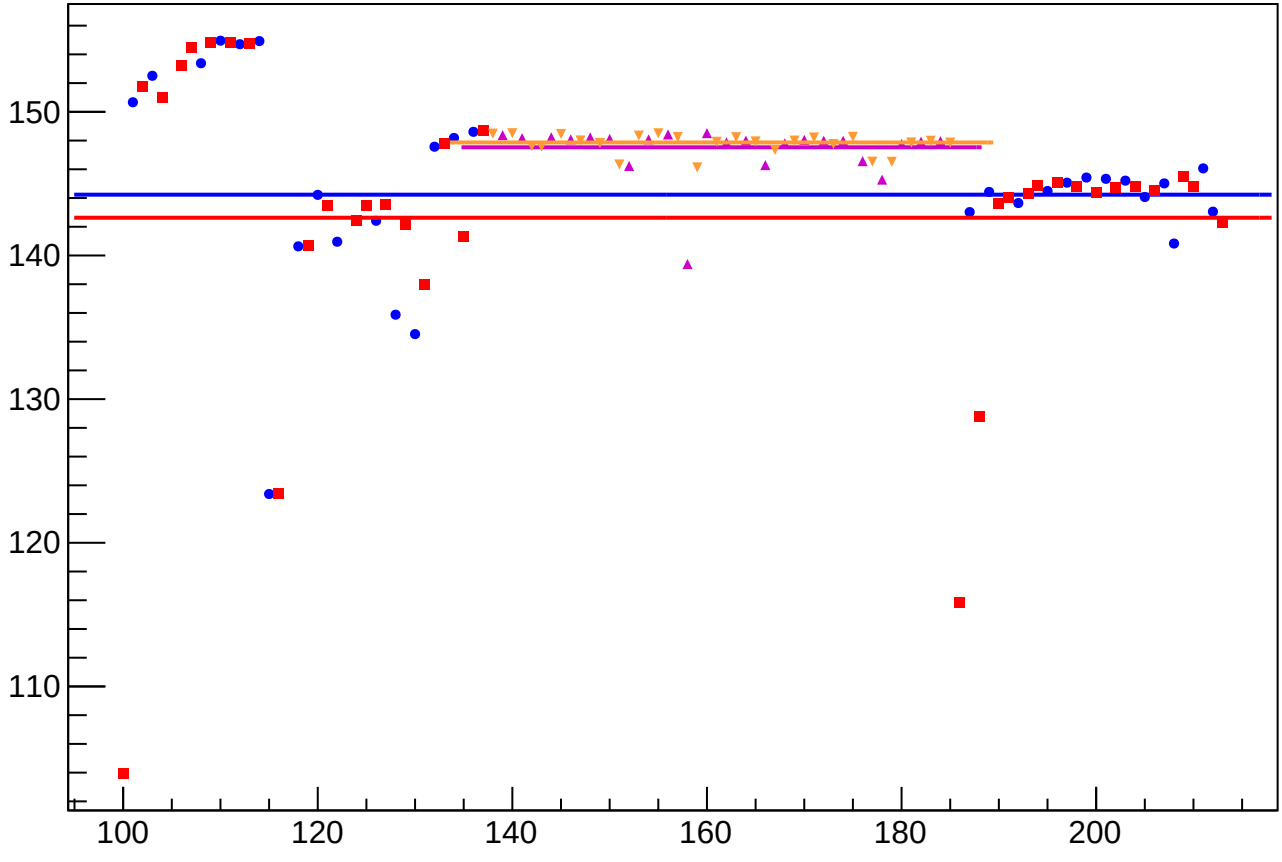
Right: 5247.556+/-0.637 χ^2/NDF: 221421.2/62

In: 4999.944+/-0.611 χ^2/NDF:396210.9/51

Out: 4981.028+/-0.587 χ^2/NDF:336020.6/58

All: 4990.106+/-0.423 χ^2/NDF: 732729.8/110

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.233+/-0.000 χ^2/NDF: 3819214776.6/28

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

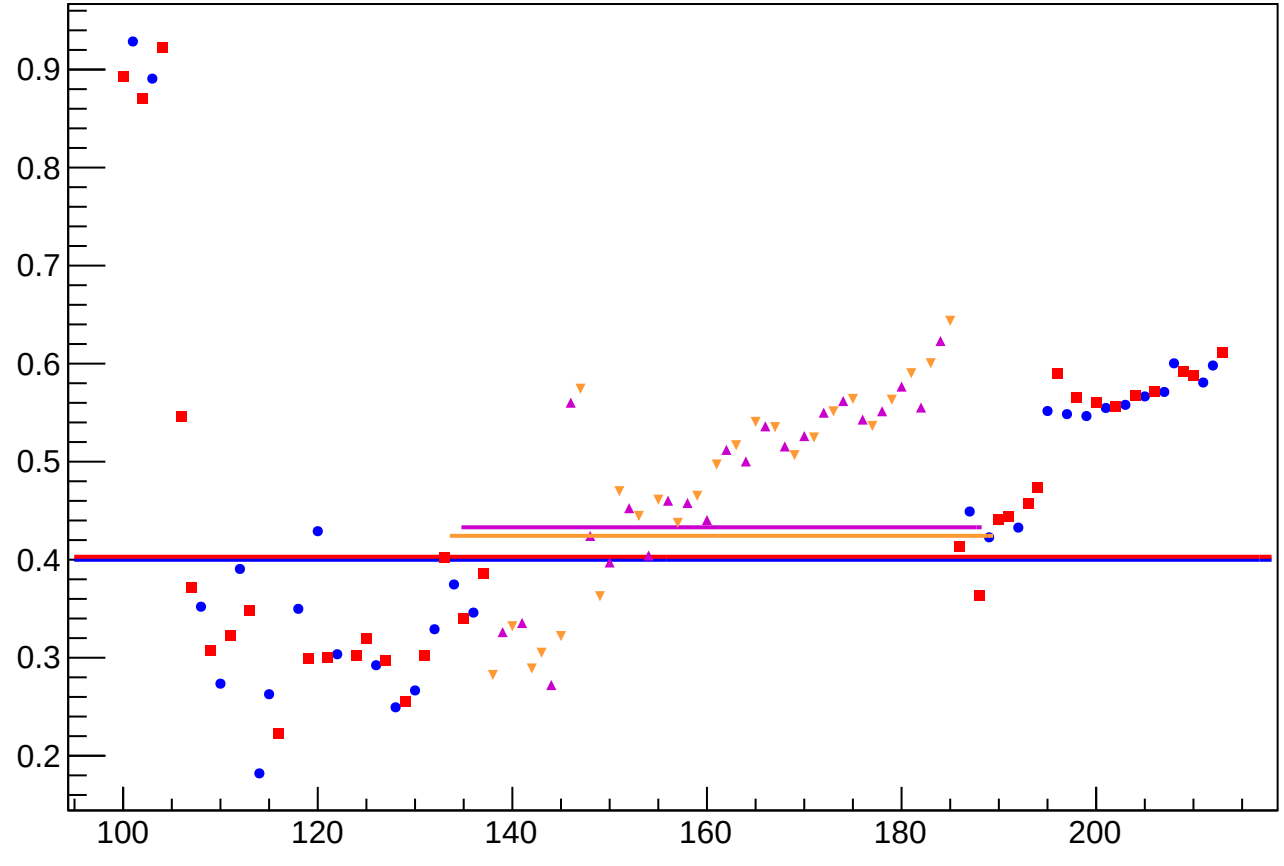
Right: 143.396+/-0.000 χ^2/NDF: 11498237150.6/62

In: 145.866+/-0.000 χ^2/NDF:4620578070.9/51

Out: 145.223+/-0.000 χ^2/NDF:8959593141.3/58

All: 145.531+/-0.000 χ^2/NDF: 13619396056.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.400+/-0.000 χ^2/NDF: 3565228.6/28

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

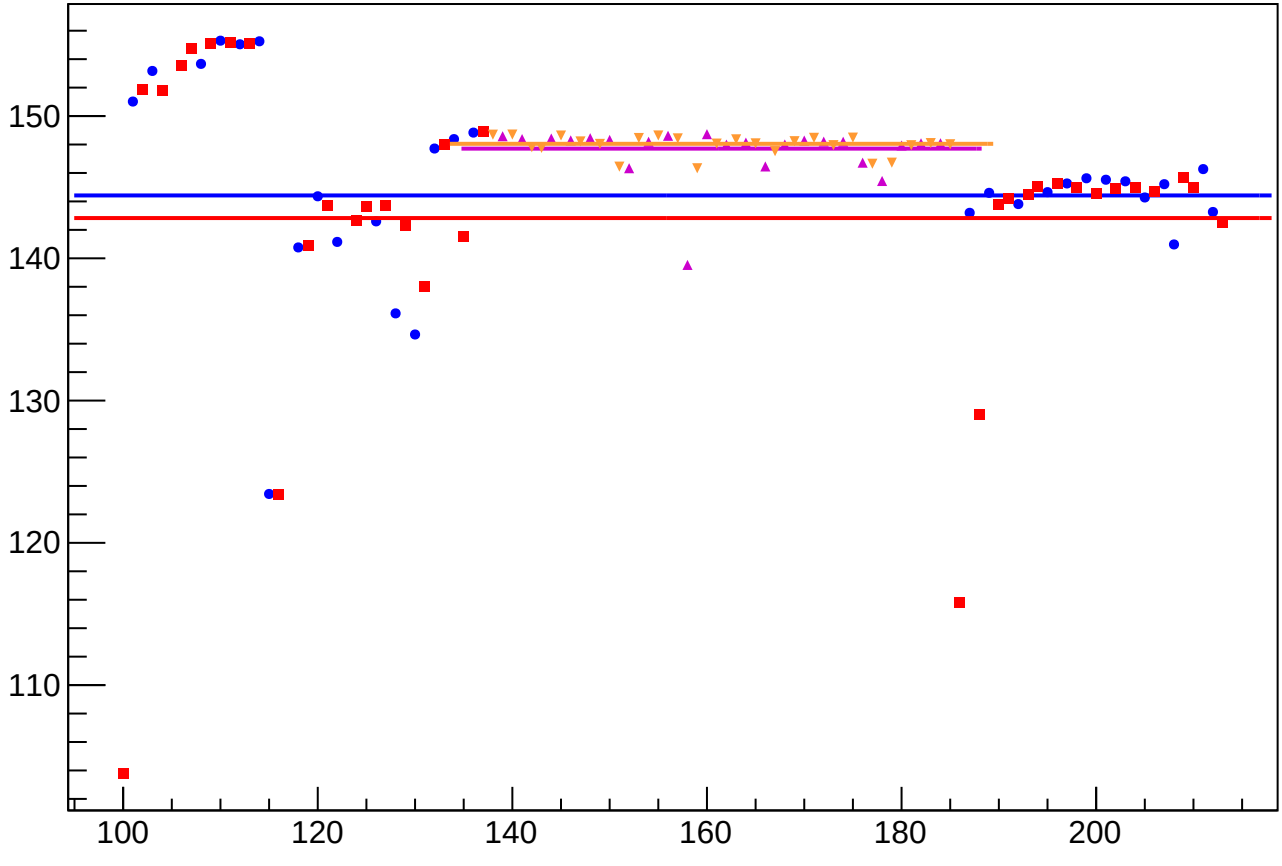
Right: 0.402+/-0.000 χ^2/NDF: 7041173.4/62

In: 0.416+/-0.000 χ^2/NDF:5436034.0/51

Out: 0.414+/-0.000 χ^2/NDF:5780998.4/58

All: 0.415+/-0.000 χ^2/NDF: 11218477.1/110

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.420+/-0.000 χ^2/NDF: 3813575795.0/28

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

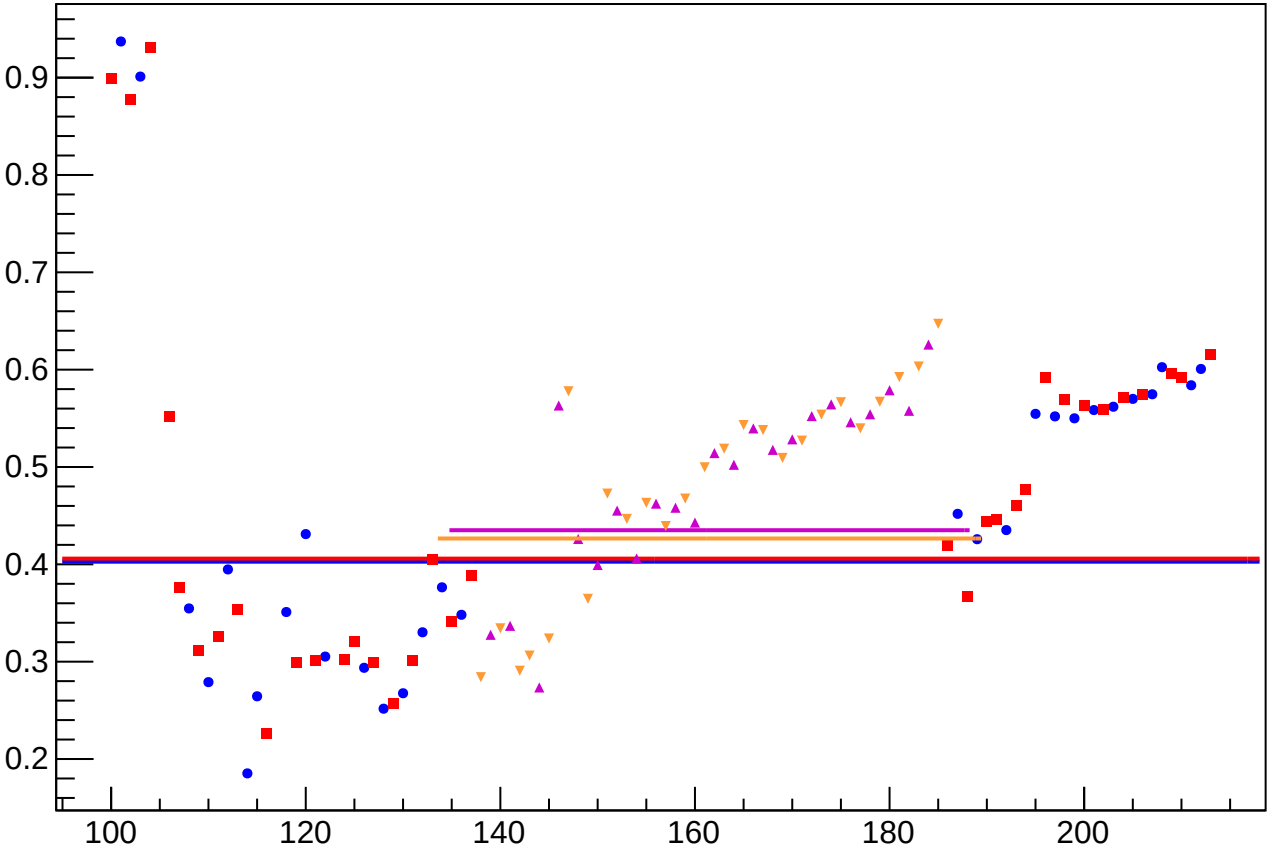
Right: 143.591+/-0.000 χ^2/NDF: 11422984589.8/62

In: 146.053+/-0.000 χ^2/NDF:4611542952.1/51

Out: 145.418+/-0.000 χ^2/NDF:8866670875.3/58

All: 145.722+/-0.000 χ^2/NDF: 13515892705.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.403+/-0.000 χ^2/NDF: 3549061.4/28

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

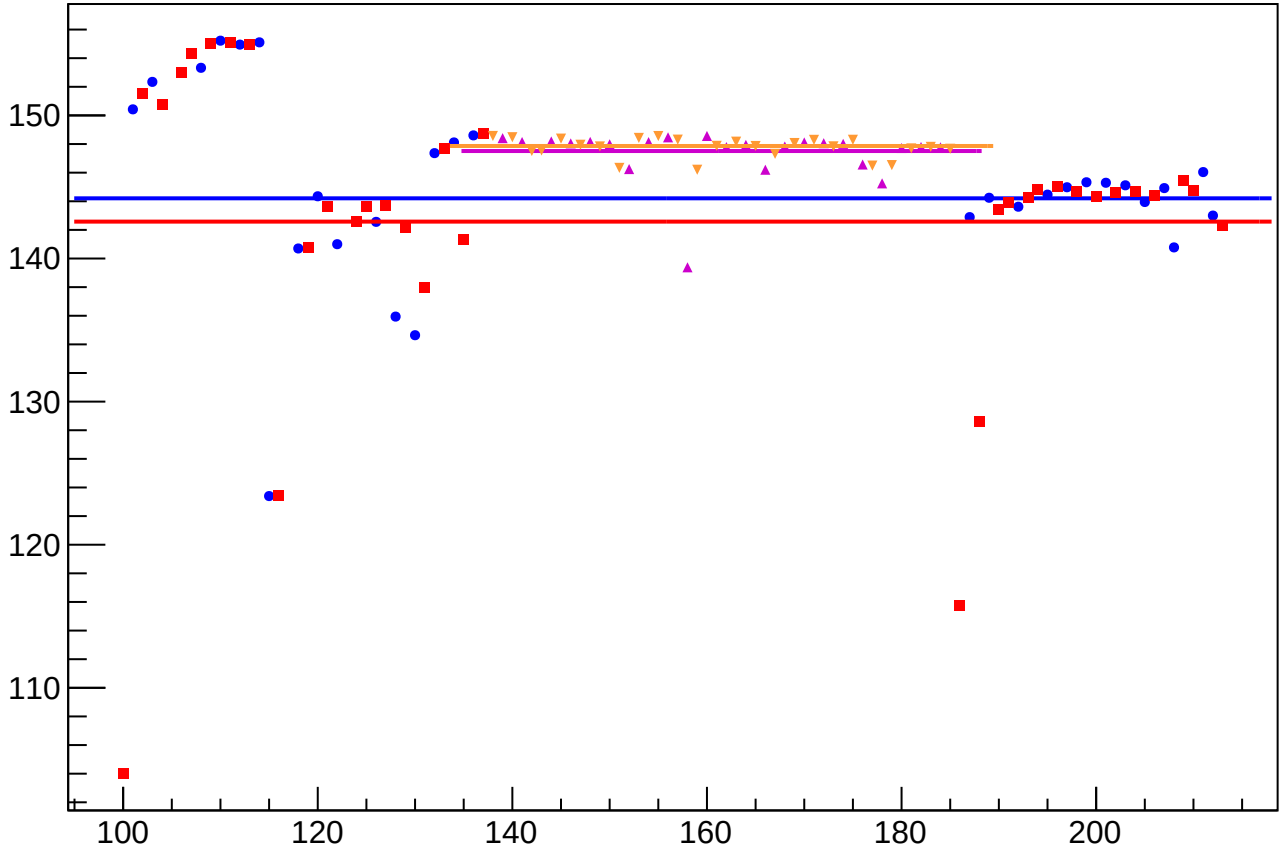
Right: 0.404+/-0.000 χ^2/NDF: 7017532.9/62

In: 0.419+/-0.000 χ^2/NDF:5412401.2/51

Out: 0.416+/-0.000 χ^2/NDF:5766954.5/58

All: 0.417+/-0.000 χ^2/NDF: 11180688.1/110

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.207+/-0.000 χ^2/NDF: 3777957888.9/28

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

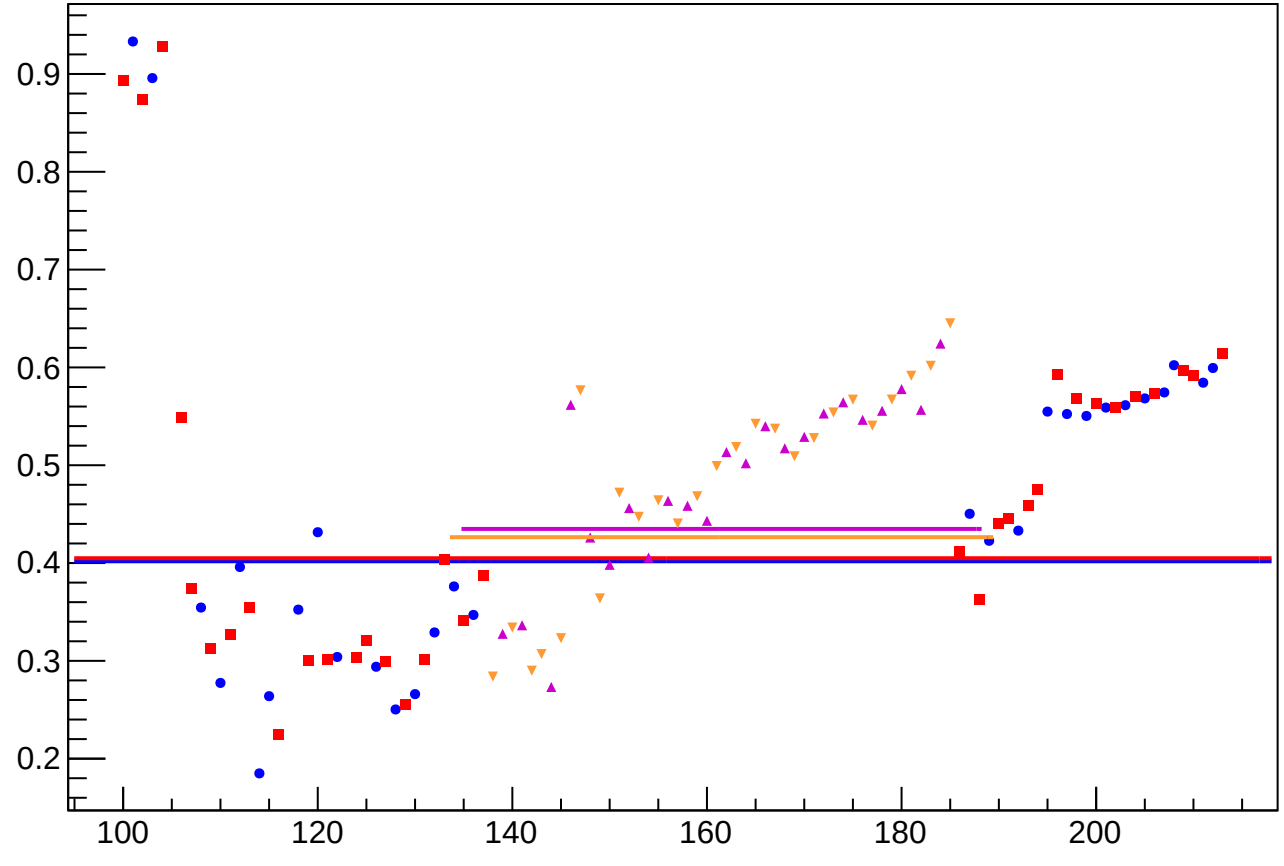
Right: 143.358+/-0.000 χ^2/NDF: 11484051587.9/62

In: 145.843+/-0.000 χ^2/NDF:4575867216.4/51

Out: 145.194+/-0.000 χ^2/NDF:8994518605.4/58

All: 145.505+/-0.000 χ^2/NDF: 13609949316.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.402+/-0.000 χ^2/NDF: 3565849.6/28

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

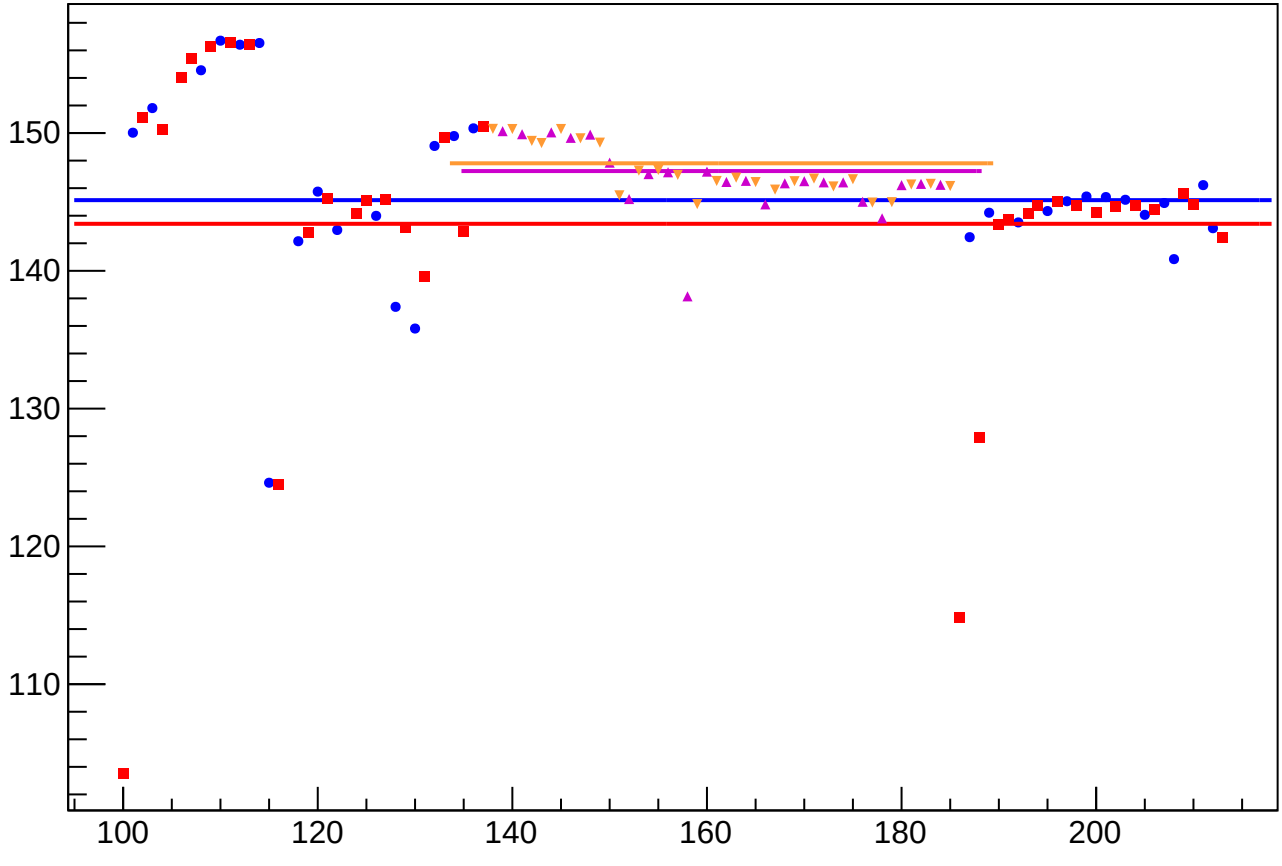
Right: 0.403+/-0.000 χ^2/NDF: 7036206.6/62

In: 0.418+/-0.000 χ^2/NDF:5439172.1/51

Out: 0.416+/-0.000 χ^2/NDF:5773993.8/58

All: 0.417+/-0.000 χ^2/NDF: 11214467.2/110

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.130+/-0.000 χ^2/NDF: 3572913357.8/28

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

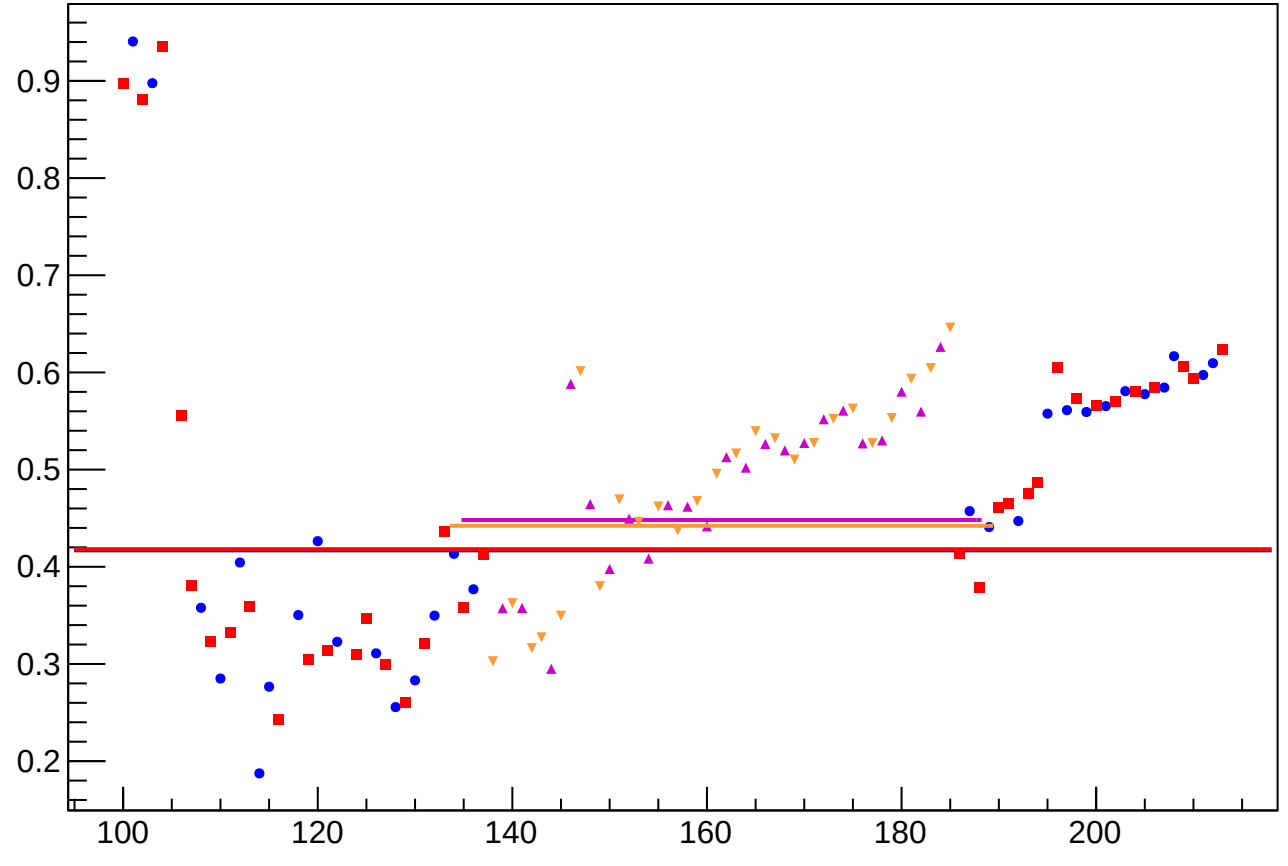
Right: 144.231+/-0.000 χ^2/NDF: 11336974944.5/62

In: 146.187+/-0.000 χ^2/NDF:4380664449.4/51

Out: 145.588+/-0.000 χ^2/NDF:8850266148.0/58

All: 145.875+/-0.000 χ^2/NDF: 13262707143.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.417+/-0.000 χ^2/NDF: 3371328.1/28

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

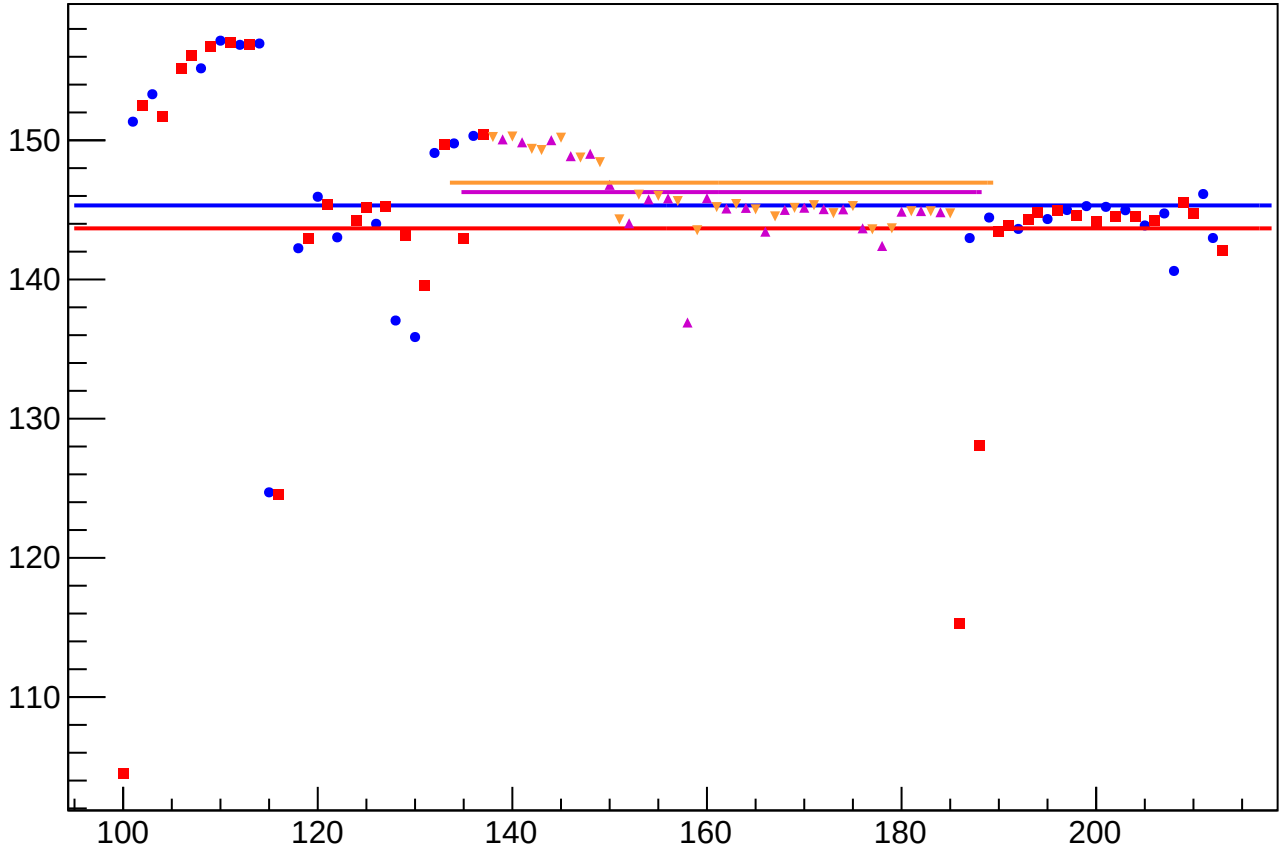
Right: 0.418+/-0.000 χ^2/NDF: 6663787.8/62

In: 0.433+/-0.000 χ^2/NDF:4801834.3/51

Out: 0.430+/-0.000 χ^2/NDF:5050075.3/58

All: 0.431+/-0.000 χ^2/NDF: 9853051.1/110

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.320+/-0.000 χ^2/NDF: 3733981446.2/28

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

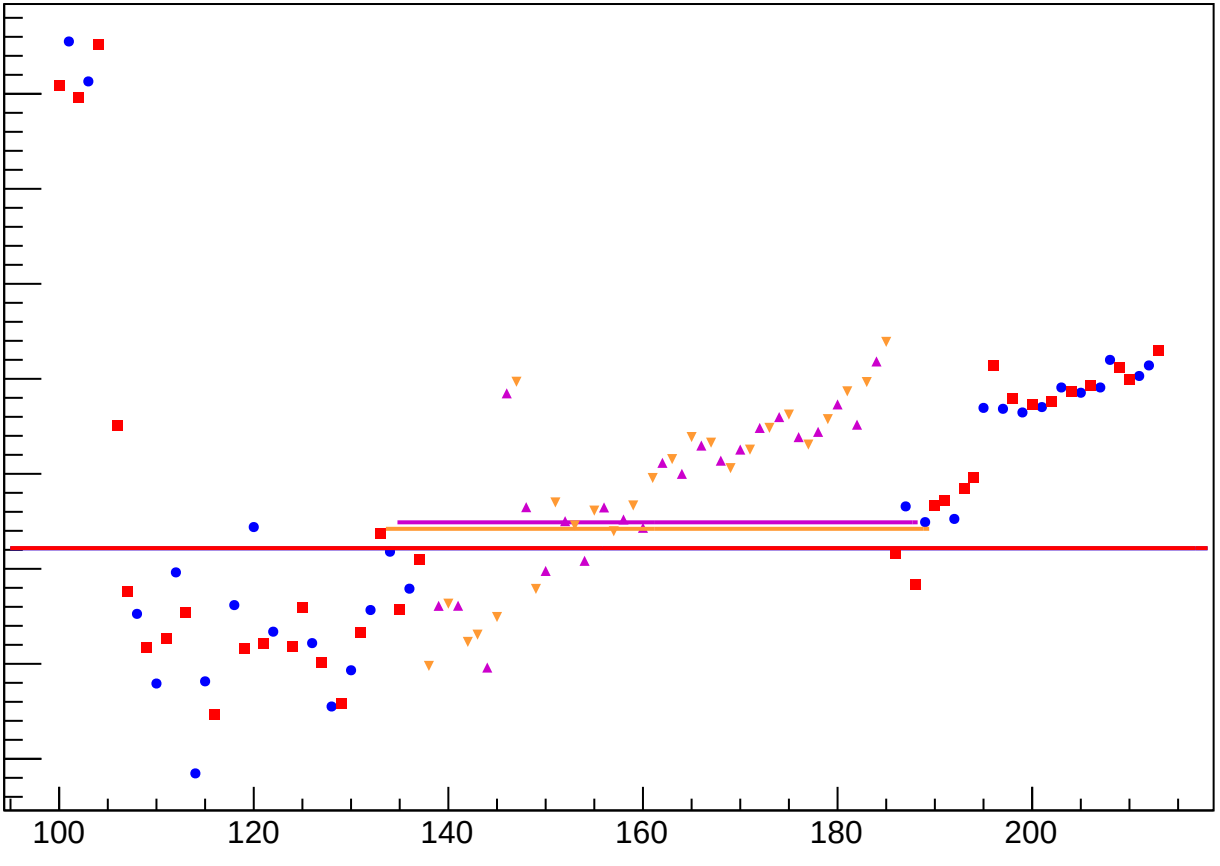
Right: 144.455+/-0.000 χ^2/NDF: 11541693574.8/62

In: 145.805+/-0.000 χ^2/NDF:4597554286.8/51

Out: 145.315+/-0.000 χ^2/NDF:8725317583.5/58

All: 145.549+/-0.000 χ^2/NDF: 13343801594.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.422+/-0.000 χ^2/NDF: 3401642.5/28

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

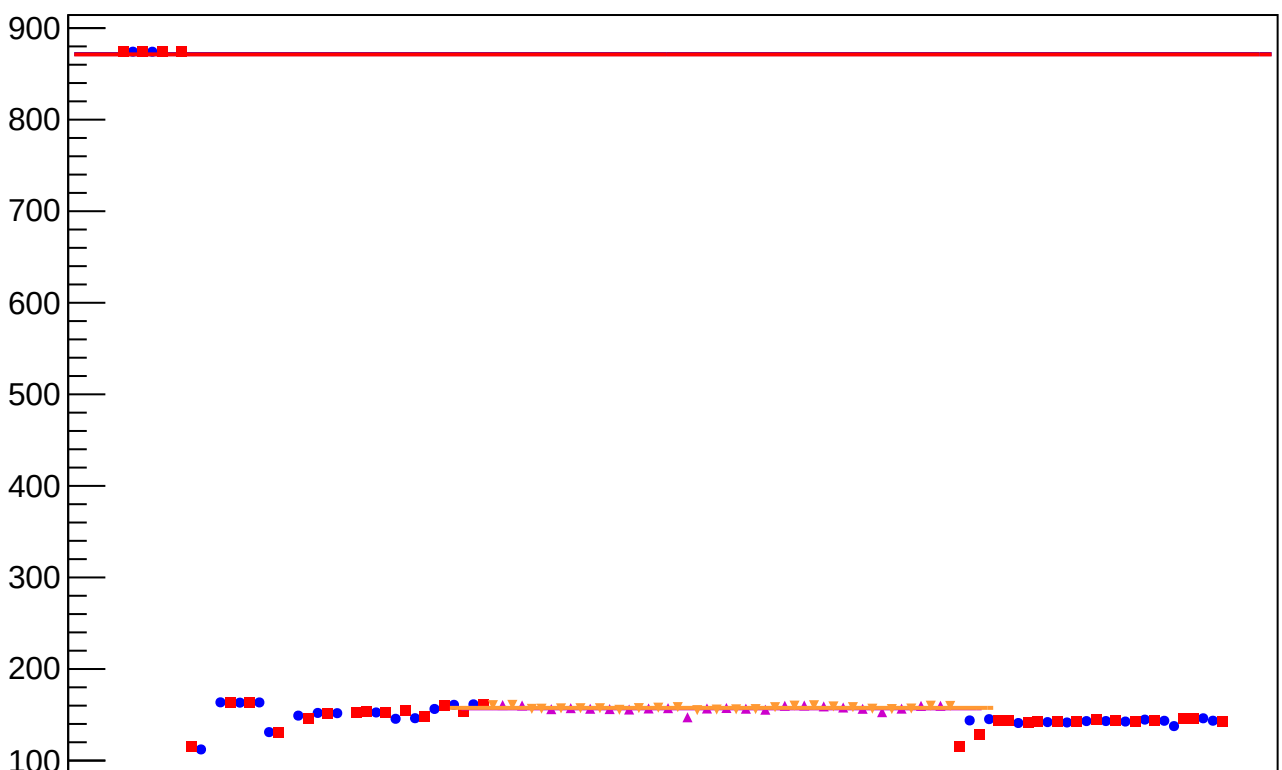
Right: 0.422+/-0.000 χ^2/NDF: 6722474.6/62

In: 0.435+/-0.000 χ^2/NDF:4765192.2/51

Out: 0.432+/-0.000 χ^2/NDF:5035158.2/58

All: 0.434+/-0.000 χ^2/NDF: 9802423.3/110

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 871.600+/-0.000 χ^2/NDF: 13547295397376.4/28

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

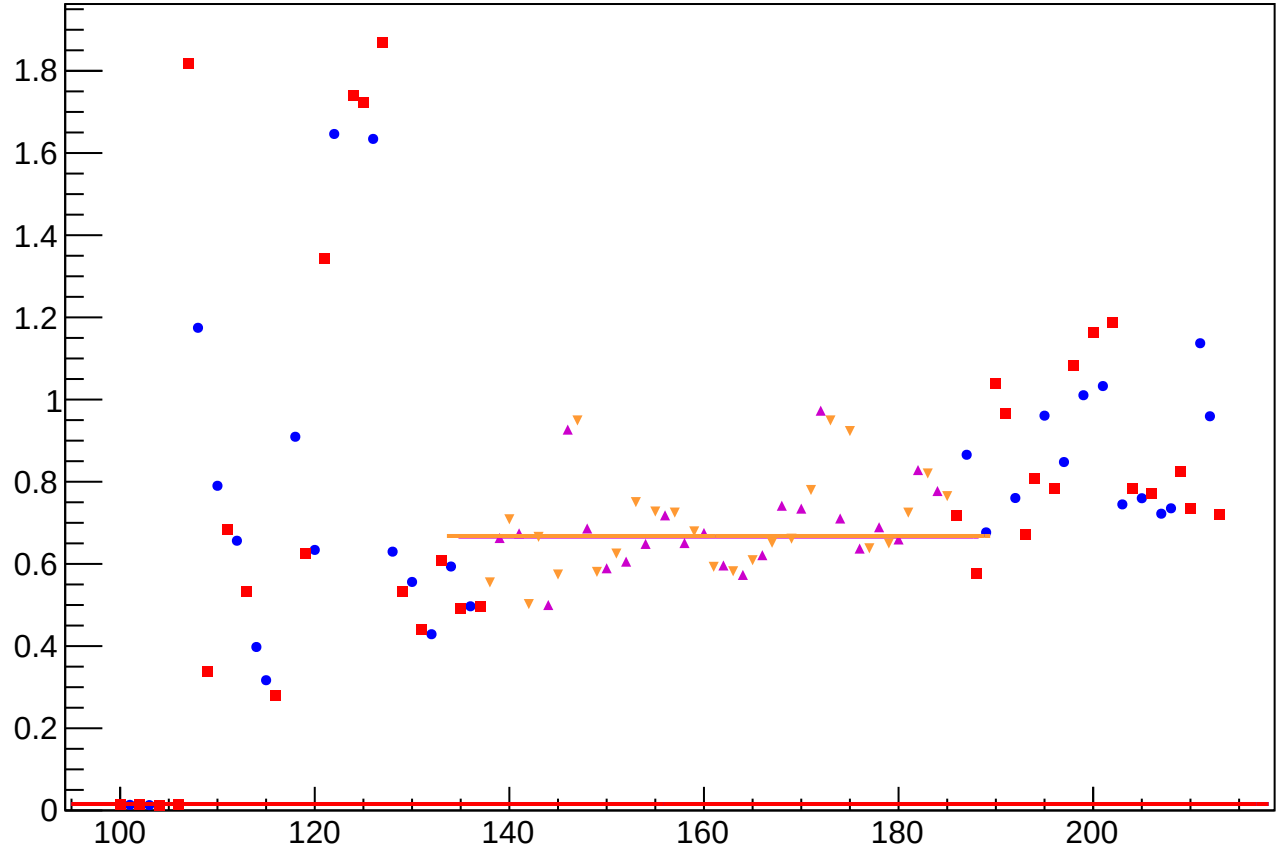
Right: 871.428+/-0.000 χ^2/NDF: 31119471398672.

In: 868.370+/-0.000 χ^2/NDF:30021762171484.0/

Out: 868.350+/-0.000 χ^2/NDF:34759408273315.5

All: 868.359+/-0.000 χ^2/NDF: 647811718951

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 25549768.7/28

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

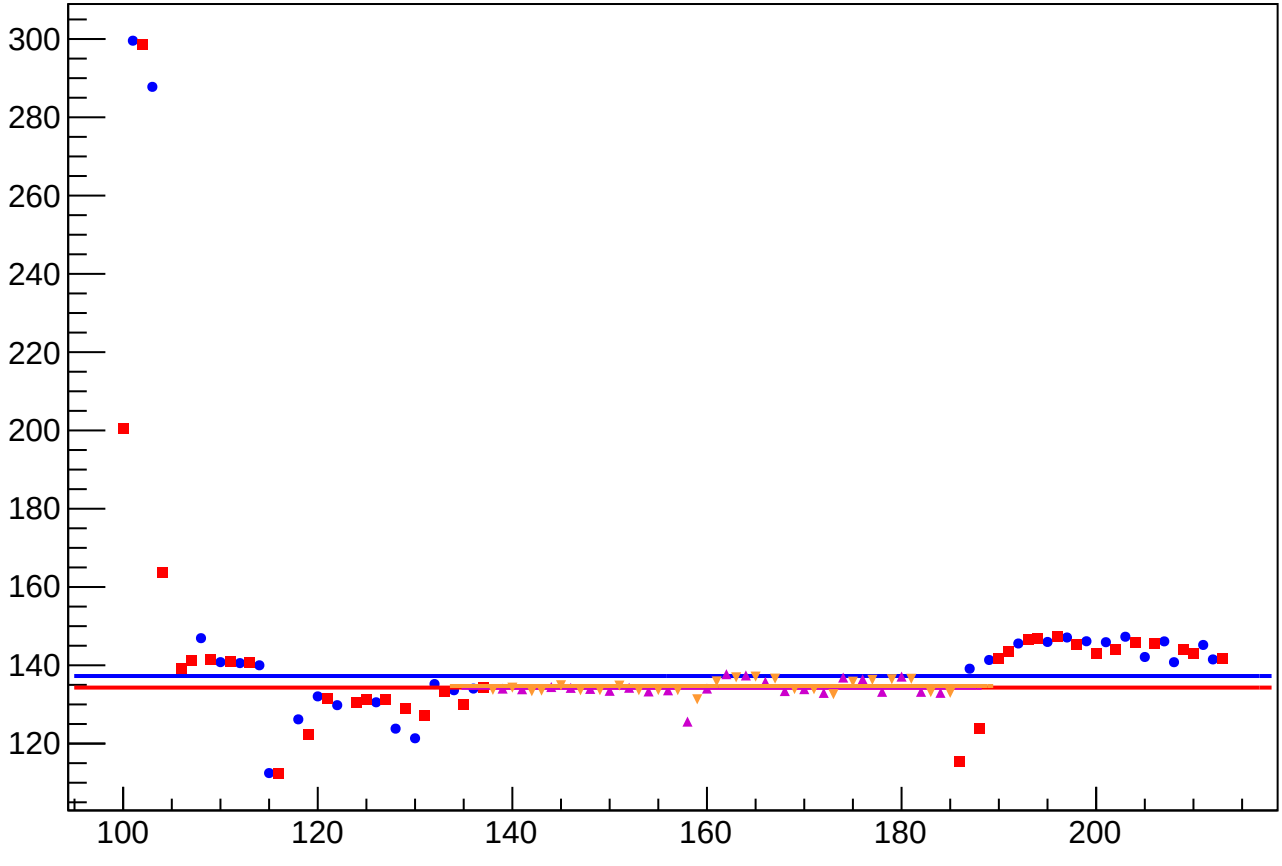
Right: 0.016+/-0.000 χ^2/NDF: 53819825.6/62

In: 0.019+/-0.000 χ^2/NDF:53408753.0/51

Out: 0.018+/-0.000 χ^2/NDF:57664205.0/58

All: 0.019+/-0.000 χ^2/NDF: 111073683.9/110

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 137.262+/-0.000 χ^2/NDF: 3546021495.7/28

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

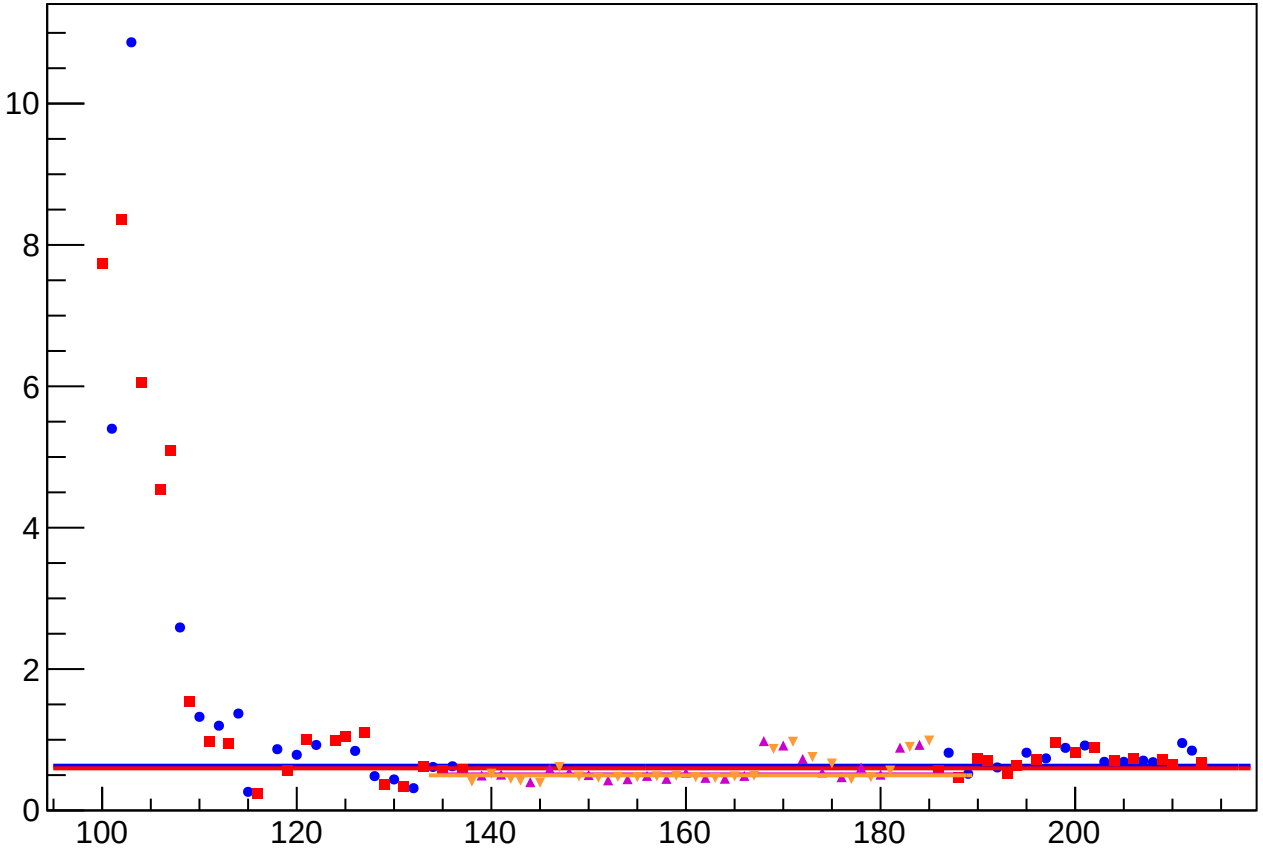
Right: 135.624+/-0.000 χ^2/NDF: 9120690136.6/62

In: 135.237+/-0.000 χ^2/NDF:4167273626.6/51

Out: 134.569+/-0.000 χ^2/NDF:5595778014.8/58

All: 134.880+/-0.000 χ^2/NDF: 9784505468.1

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.633+/-0.000 χ^2/NDF: 5159916.8/28

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: 0.612+/-0.000 χ^2/NDF: 11246668.6/62

In: 0.550+/-0.000 χ^2/NDF:7249350.2/51

Out: 0.532+/-0.000 χ^2/NDF:8076901.0/58

All: 0.540+/-0.000 χ^2/NDF: 15357993.4/110

Right In: 1755.356+/-0.000 χ^2/NDF: 227563468548307.3/28

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

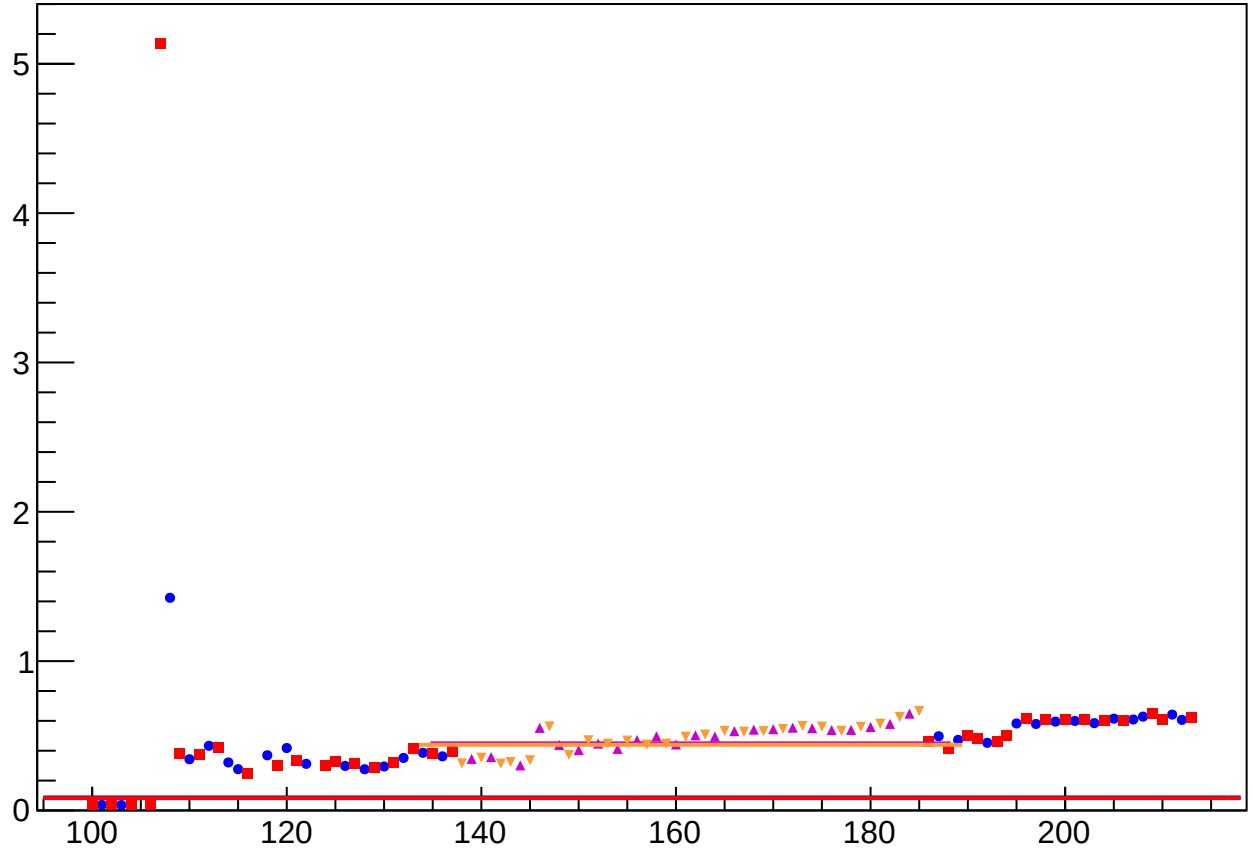
Right: 1766.231+/-0.000 χ^2/NDF: 47439162487525

In: 1554.888+/-0.000 χ^2/NDF:422246880588472.

Out: 1584.377+/-0.000 χ^2/NDF:466718942106584

All: 1570.733+/-0.000 χ^2/NDF: 8892859237

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 23003597.6/28

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

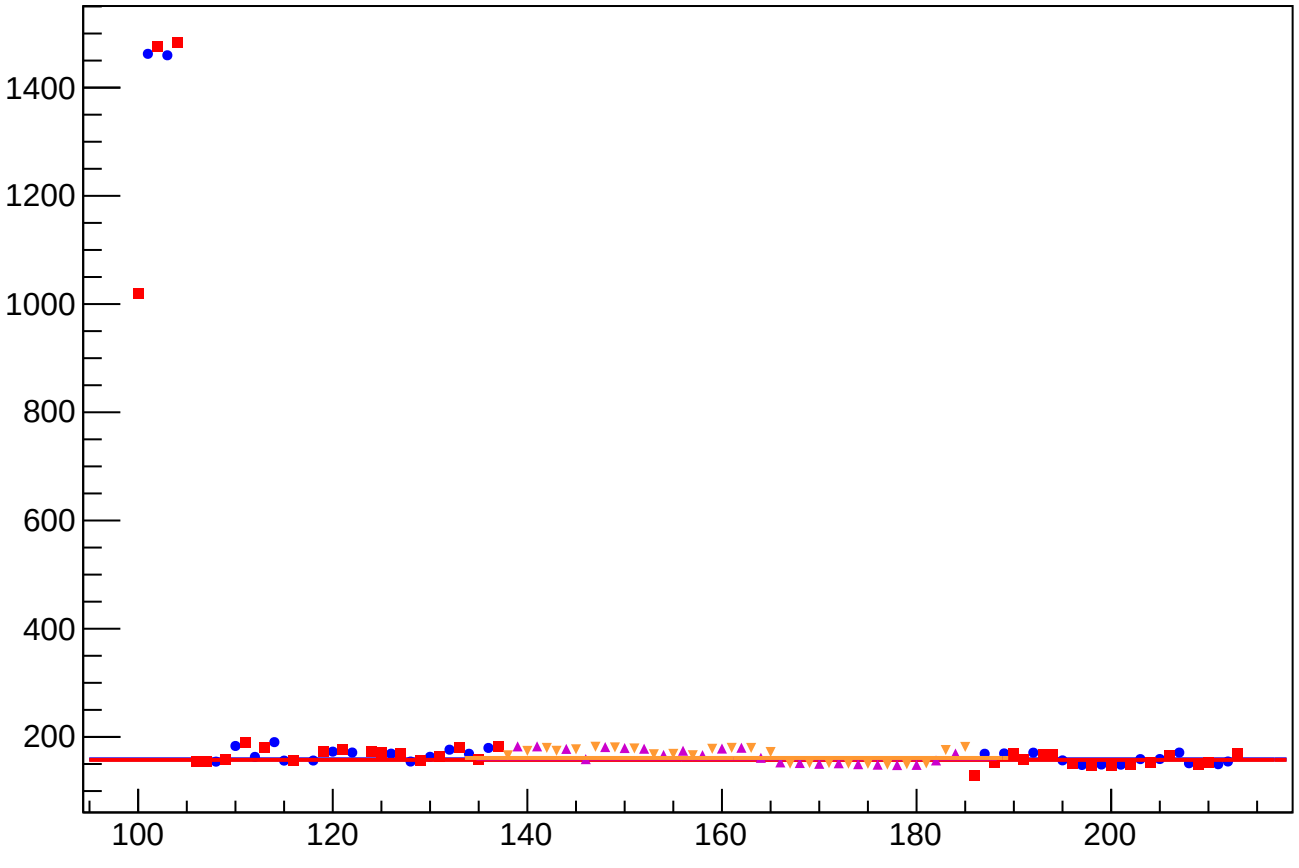
Right: 0.085+/-0.000 χ^2/NDF: 47873219.6/62

In: 0.132+/-0.000 χ^2/NDF:43861852.8/51

Out: 0.125+/-0.000 χ^2/NDF:47490712.6/58

All: 0.128+/-0.000 χ^2/NDF: 91392786.7/110

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 158.613+/-0.000 χ^2/NDF: 15992881092.9/28

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

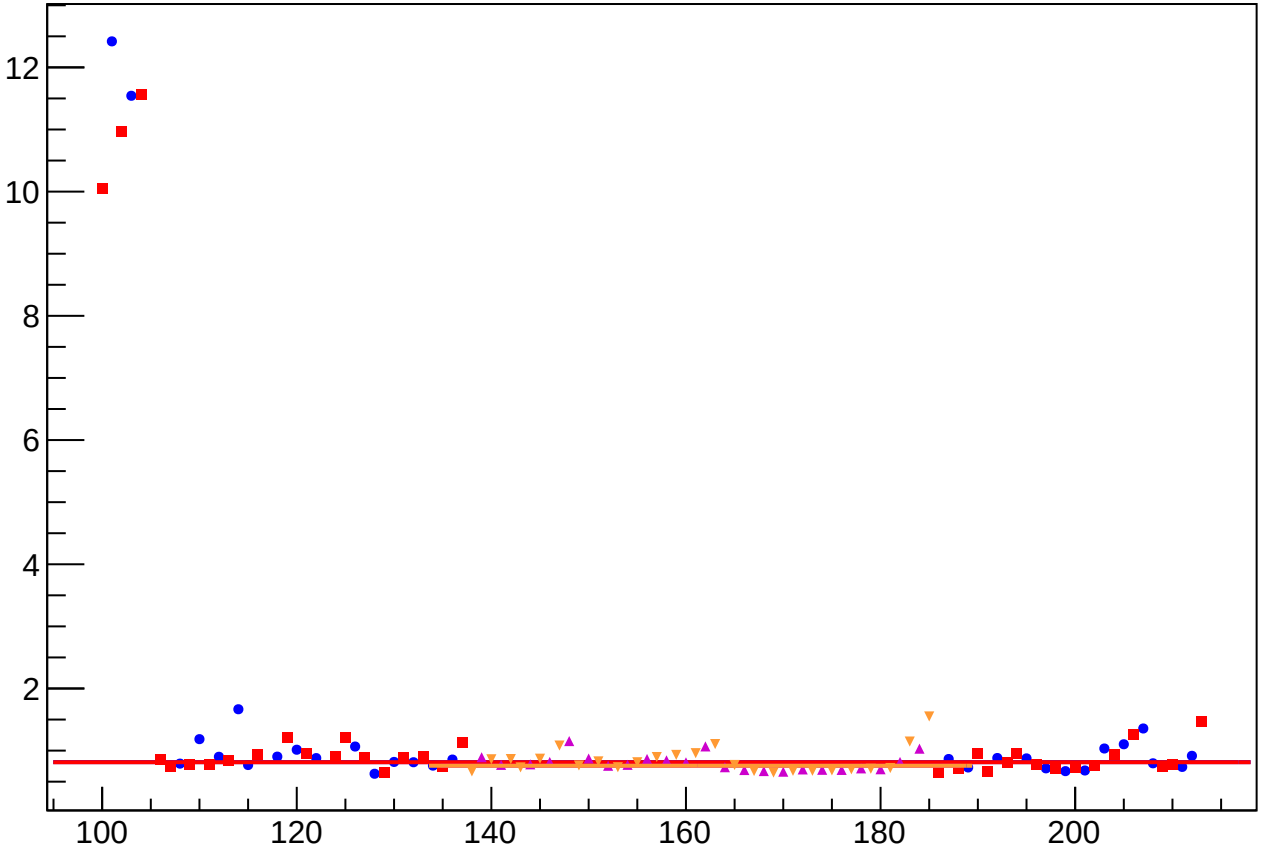
Right: 158.079+/-0.000 χ^2/NDF: 34375477378.1/62

In: 159.487+/-0.000 χ^2/NDF:19754753302.4/51

Out: 159.566+/-0.000 χ^2/NDF:22249552113.5/58

All: 159.528+/-0.000 χ^2/NDF: 42004437724.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.815+/-0.000 χ^2/NDF: 2884189.3/28

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

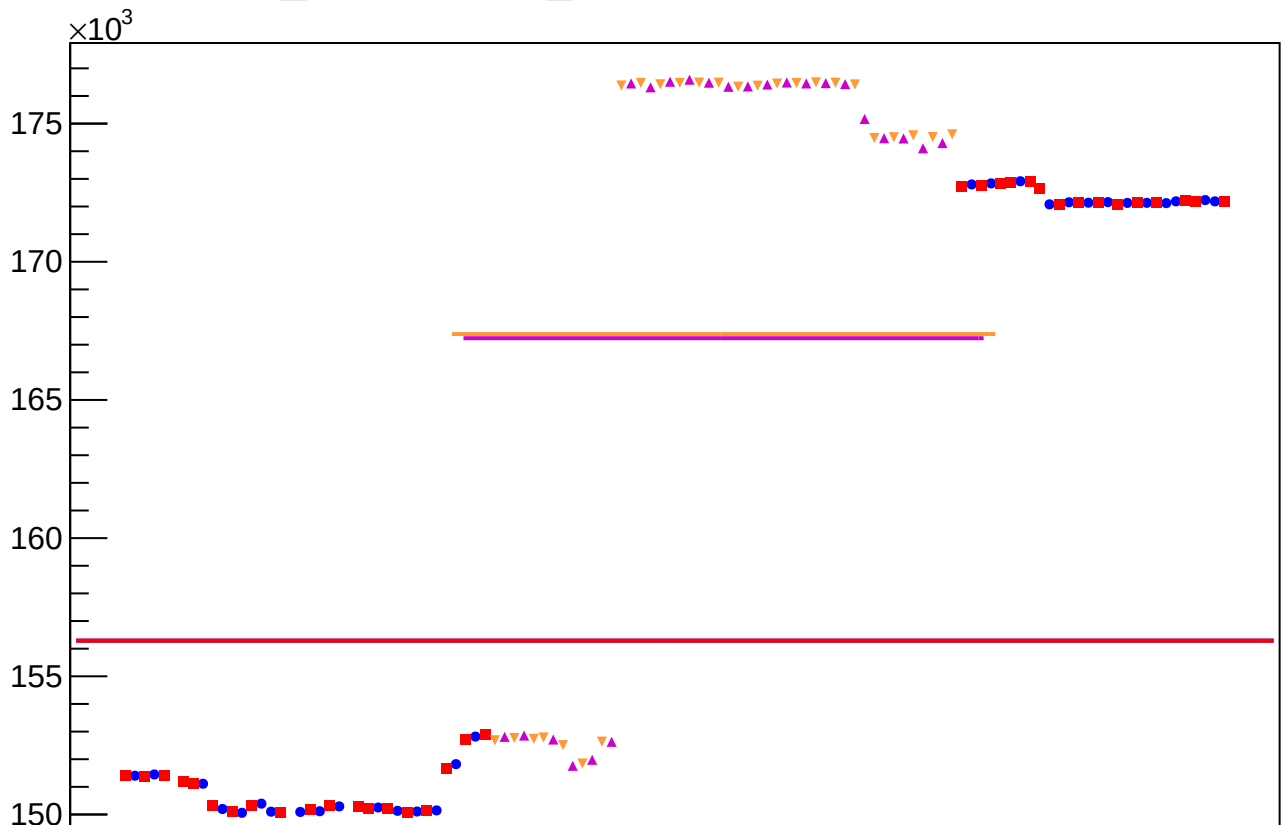
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.814+/-0.000 χ^2/NDF: 5743804.2/62

In: 0.781+/-0.000 χ^2/NDF:3427949.6/51

Out: 0.782+/-0.000 χ^2/NDF:3680236.2/58

All: 0.781+/-0.000 χ^2/NDF: 7108214.8/110



Right In: 156289.872+/-0.047 χ^2/NDF: 41912667599.7/28

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.

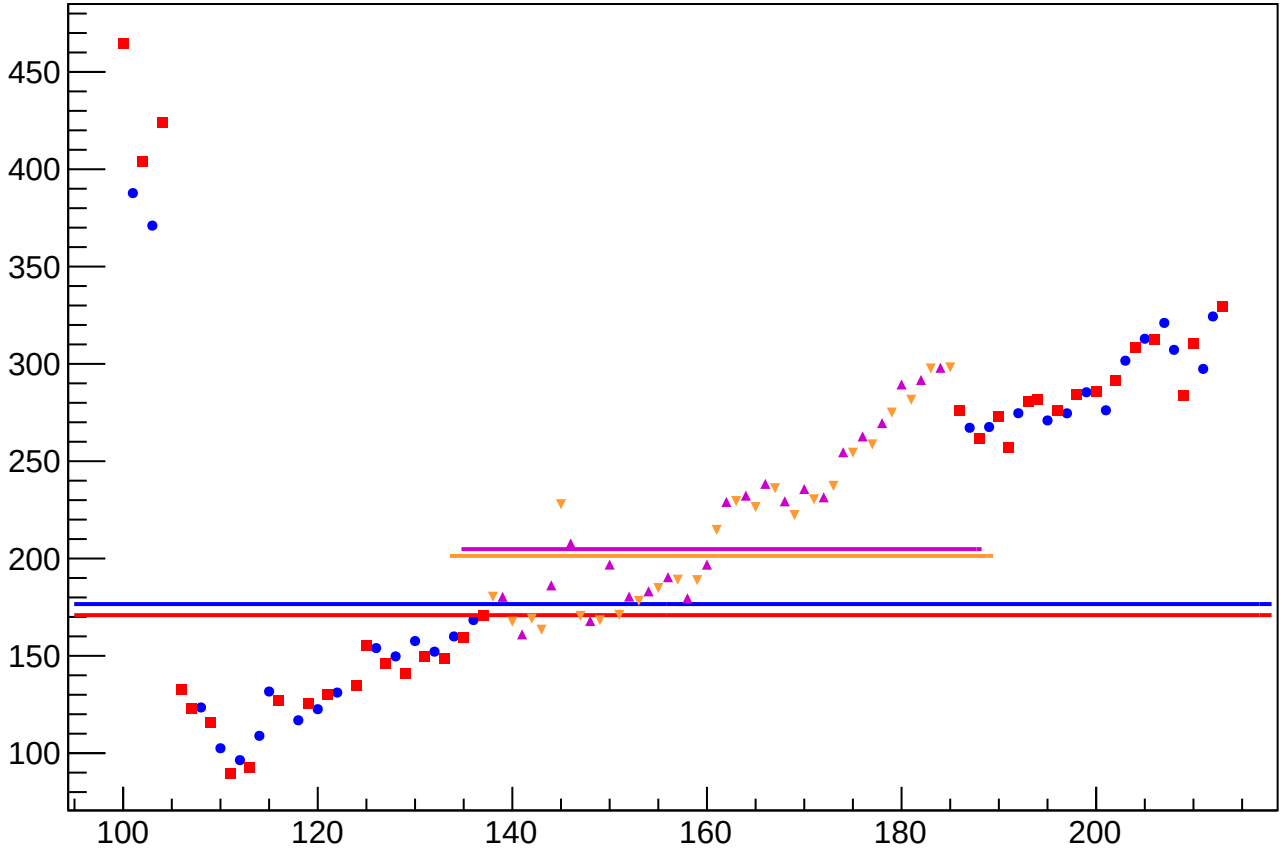
Right: 156290.859+/-0.032 χ^2/NDF: 90196781111.

In: 161533.390+/-0.034 χ^2/NDF:123135807181.5

Out: 161476.347+/-0.032 χ^2/NDF:137903568292.

All: 161503.240+/-0.023 χ^2/NDF: 26104087

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 176.598+/-0.033 χ^2/NDF: 5721096.5/28

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

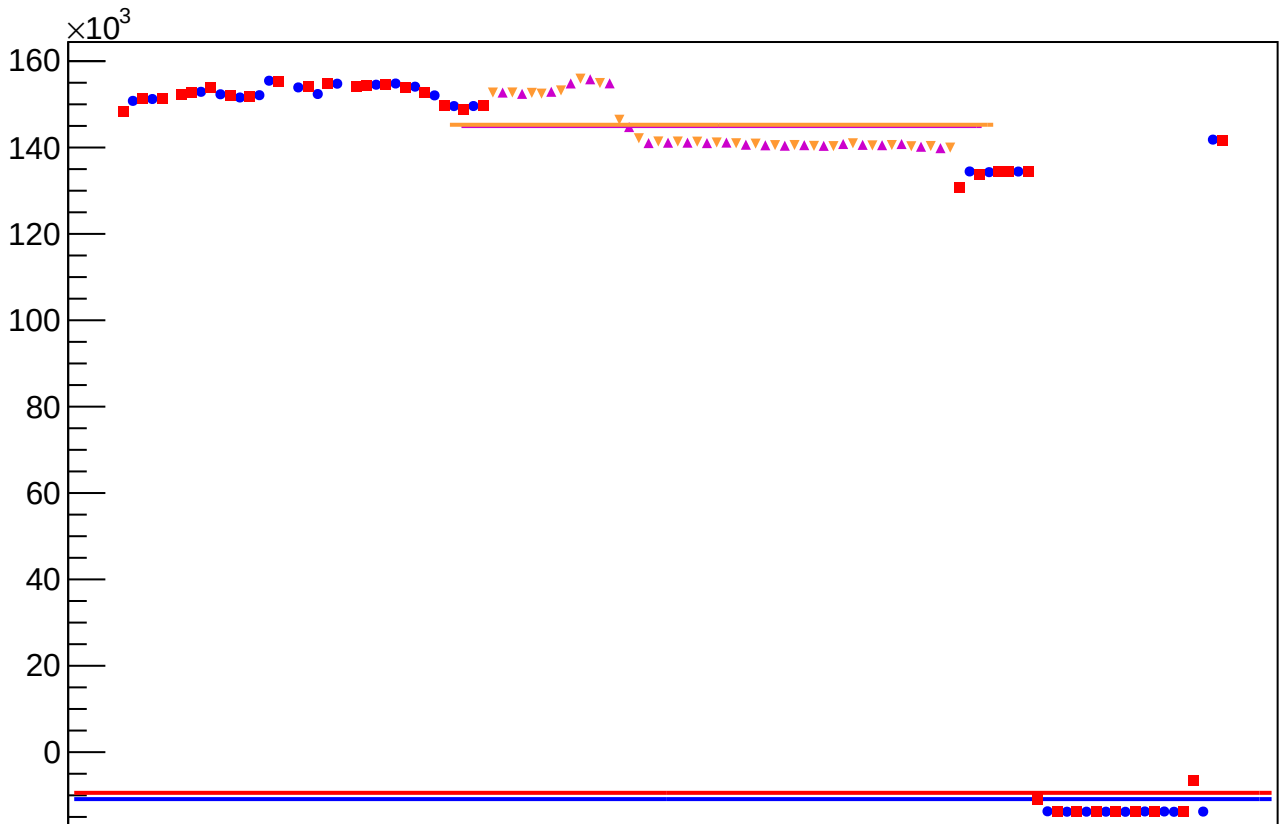
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 173.556+/-0.023 χ^2/NDF: 12553185.8/62

In: 190.122+/-0.024 χ^2/NDF:7121787.6/51

Out: 185.122+/-0.023 χ^2/NDF:8498553.4/58

All: 187.479+/-0.016 χ^2/NDF: 15643443.2/11



Right In: -10871.887+/-0.009 χ^2/NDF: 6079207157628.6/28

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

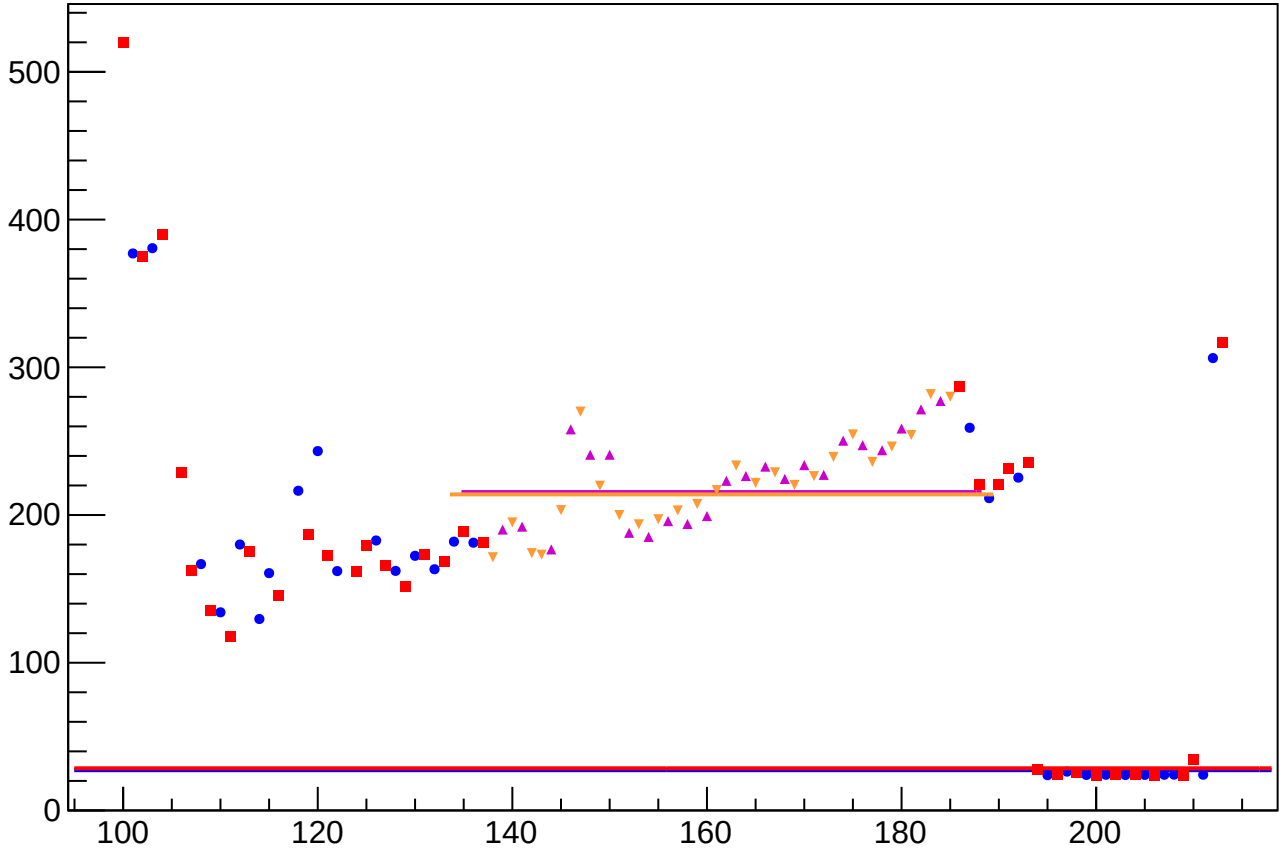
Right: -10196.382+/-0.006 χ^2/NDF: 134333009578

In: -6454.305+/-0.009 χ^2/NDF:15092464050294.5

Out: -4031.052+/-0.009 χ^2/NDF:16823588398949

All: -5323.575+/-0.006 χ^2/NDF: 3195291923

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.261+/-0.006 χ^2/NDF: 14008165.8/28

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

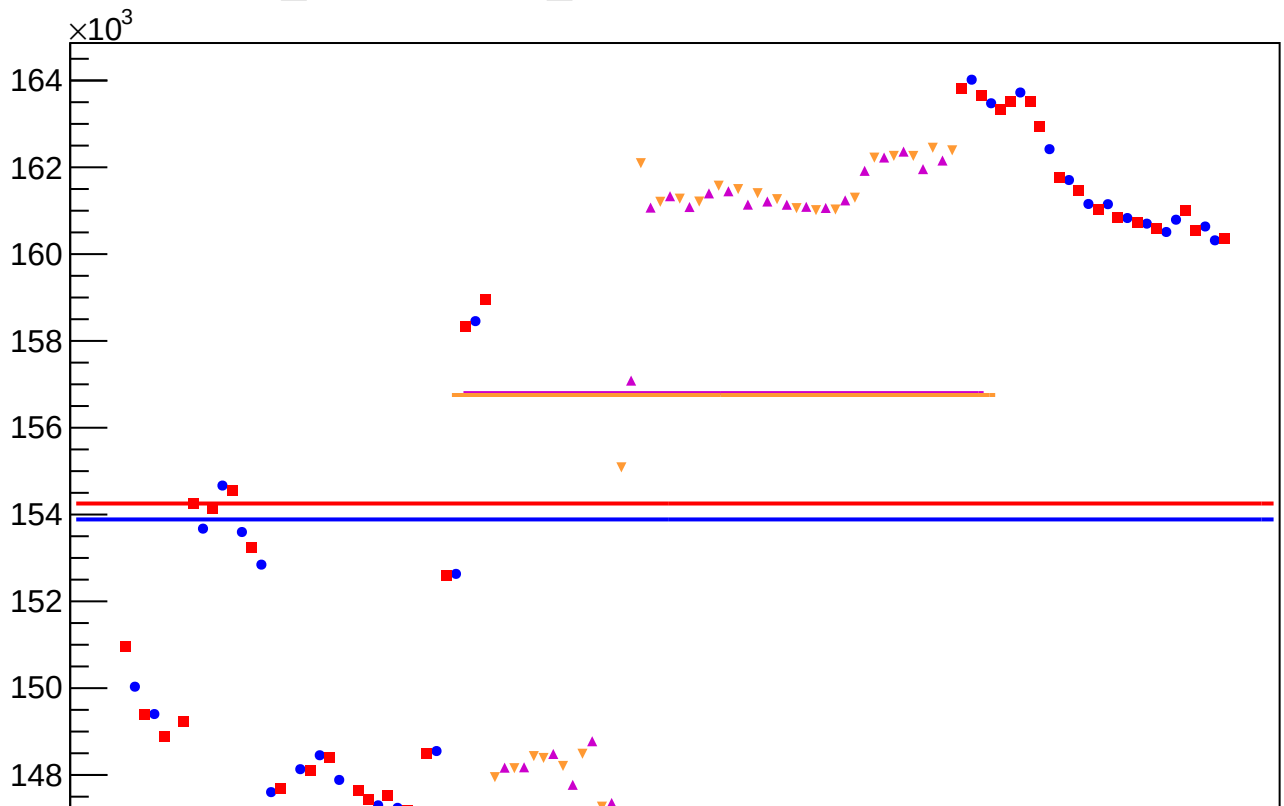
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 27.853+/-0.005 χ^2/NDF: 29974761.9/62

In: 32.598+/-0.006 χ^2/NDF:40882880.0/51

Out: 34.993+/-0.007 χ^2/NDF:43805299.9/58

All: 33.715+/-0.004 χ^2/NDF: 84760229.4/110



Right In: 153887.126+/-0.053 χ^2/NDF: 12054985498.9/28

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

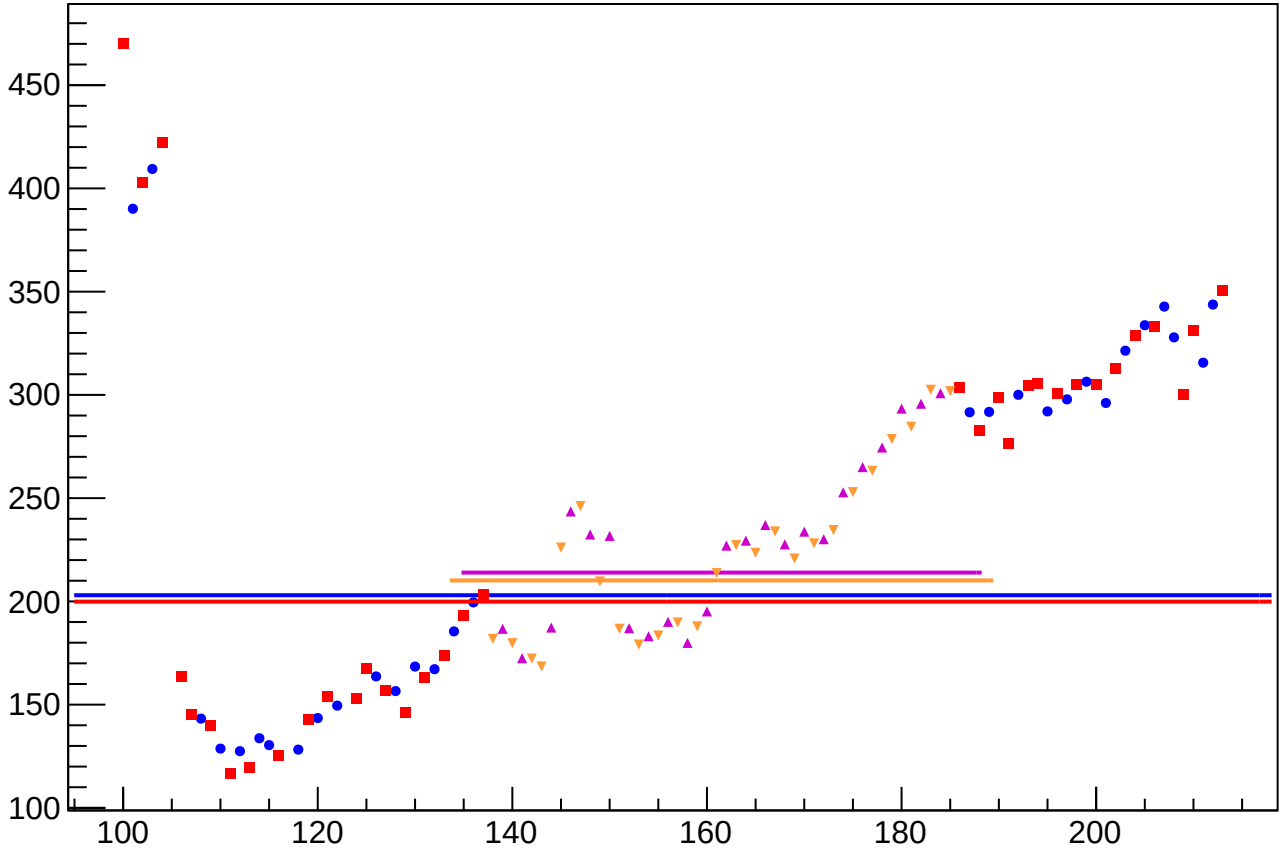
Right: 154080.197+/-0.036 χ^2/NDF: 2523844632

In: 155398.665+/-0.037 χ^2/NDF:27968133917.4/

Out: 155545.109+/-0.035 χ^2/NDF:30816791356.8

All: 155475.489+/-0.025 χ^2/NDF: 587932

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 202.982+/-0.037 χ^2/NDF: 4754870.7/28

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

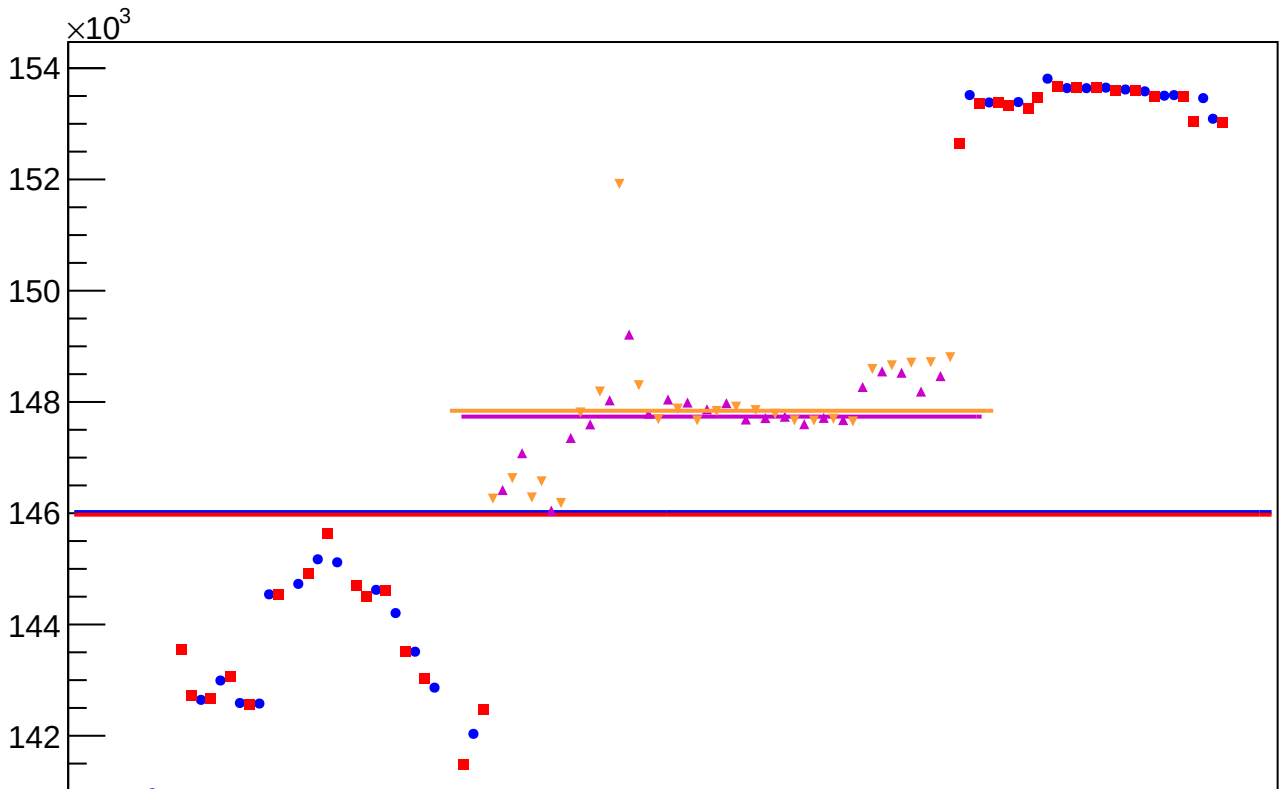
Right: 201.345+/-0.026 χ^2/NDF: 10193911.8/62

In: 208.675+/-0.026 χ^2/NDF:5713845.8/51

Out: 205.175+/-0.025 χ^2/NDF:6476344.6/58

All: 206.839+/-0.018 χ^2/NDF: 12199727.5/11

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 146020.748+/-0.046 χ^2/NDF: 10343928913.5/28

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

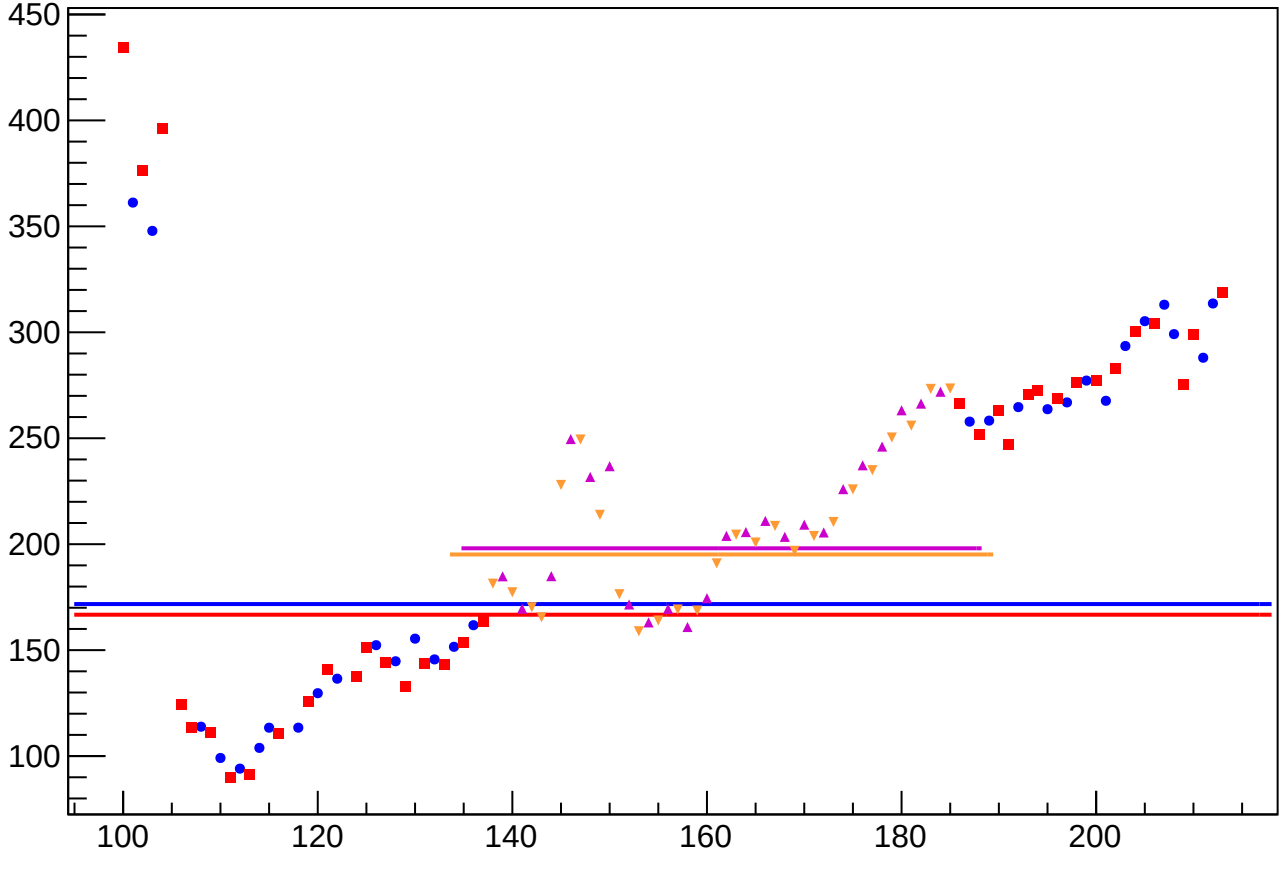
Right: 145996.079+/-0.031 χ^2/NDF: 21993067257.5

In: 146848.823+/-0.033 χ^2/NDF:1125385928.3/5

Out: 146854.634+/-0.031 χ^2/NDF:13267175378.1/

All: 146851.892+/-0.023 χ^2/NDF: 24522577

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 171.742+/-0.032 χ^2/NDF: 5662396.8/28

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

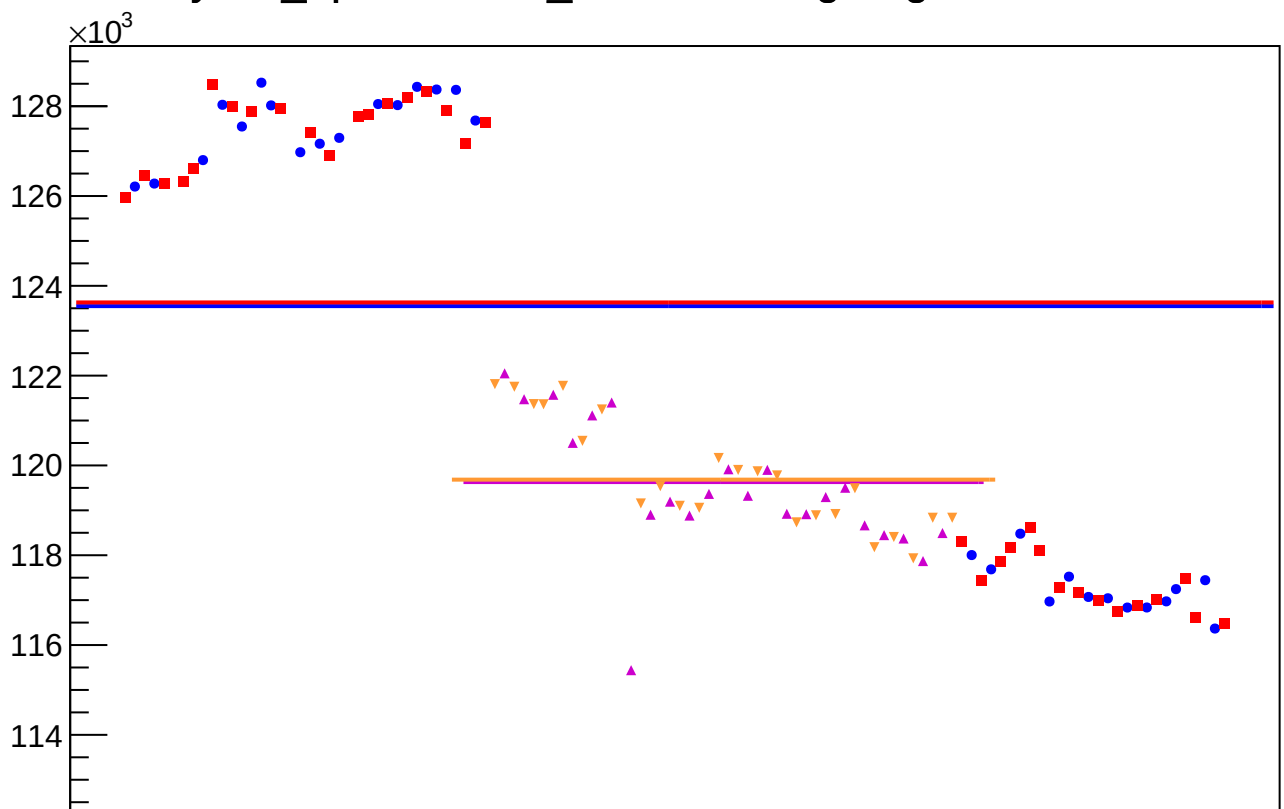
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 169.061+/-0.022 χ^2/NDF: 12329955.9/62

In: 184.441+/-0.023 χ^2/NDF:6884640.9/51

Out: 180.114+/-0.022 χ^2/NDF:7978193.7/58

All: 182.155+/-0.016 χ^2/NDF: 14881243.8/1



Right In: 123547.949+/-0.045 χ^2/NDF: 12887020569.1/28

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

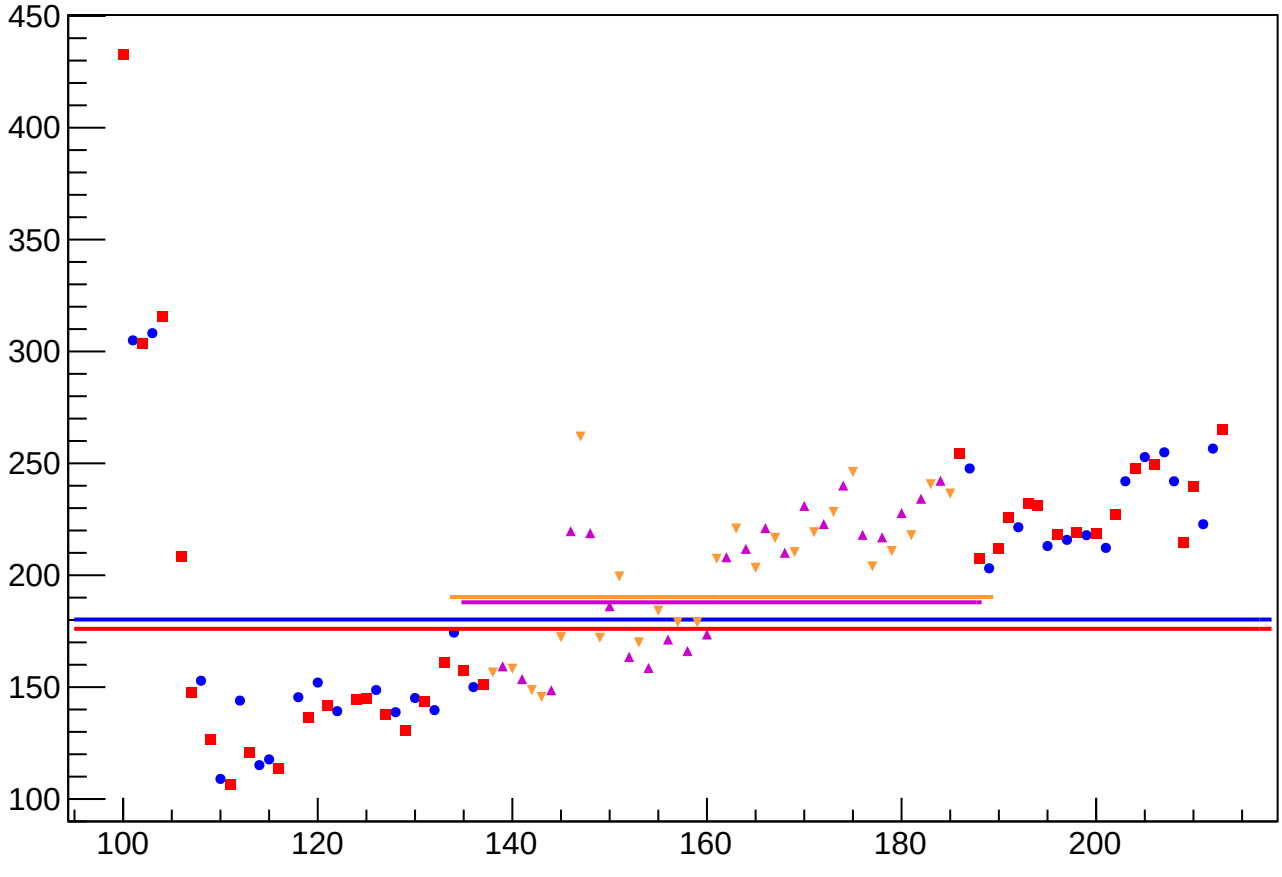
Right: 123591.391+/-0.031 χ^2/NDF: 27239377814.0

In: 121573.942+/-0.032 χ^2/NDF:17968803901.7/5

Out: 121726.134+/-0.031 χ^2/NDF:20450850211.0/

All: 121652.916+/-0.022 χ^2/NDF: 38431443

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 180.209+/-0.032 χ^2/NDF: 2414858.5/28

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

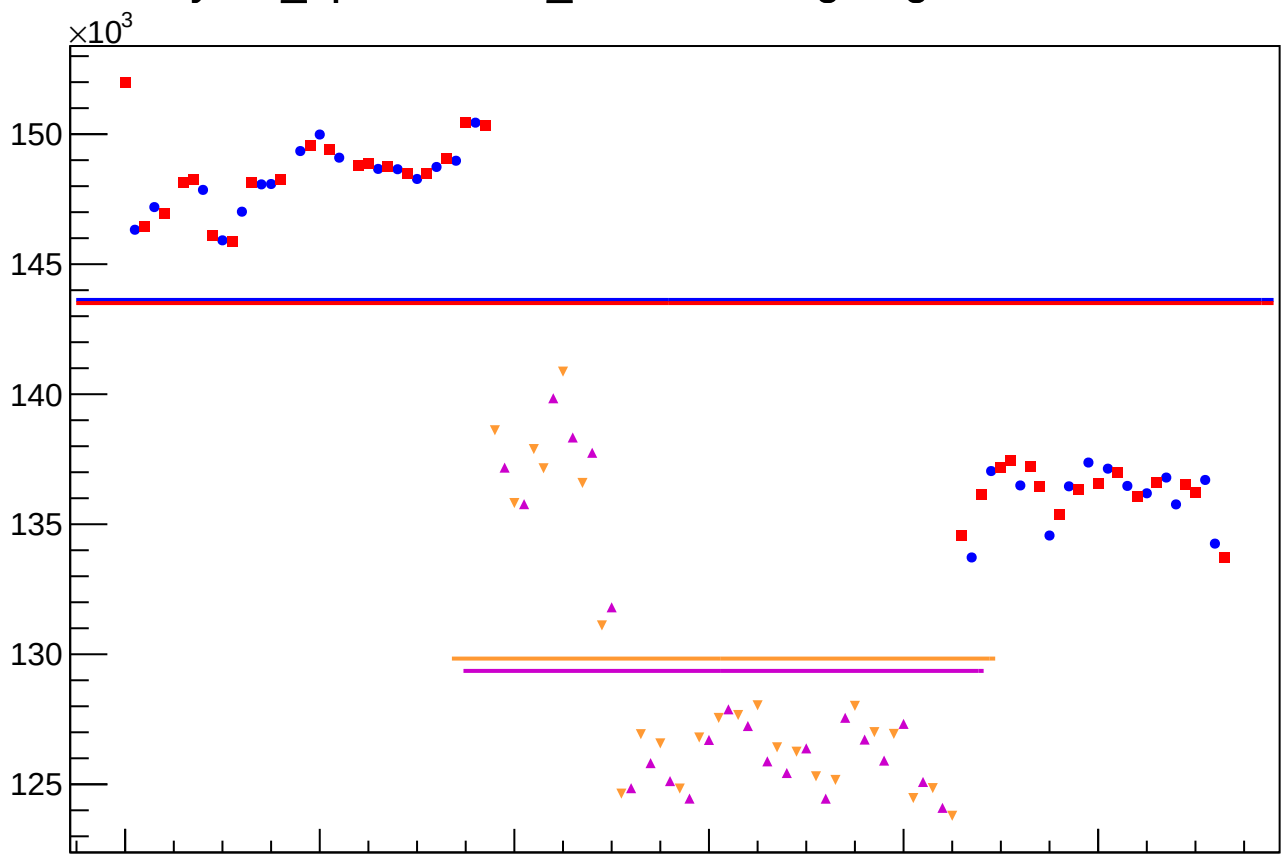
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 178.006+/-0.022 χ^2/NDF: 5536369.4/62

In: 184.088+/-0.023 χ^2/NDF:3369972.2/51

Out: 182.923+/-0.022 χ^2/NDF:4144399.1/58

All: 183.483+/-0.016 χ^2/NDF: 7515753.1/110



Right In: 143625.272+/-0.064 χ^2/NDF: 9288712183.6/28

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

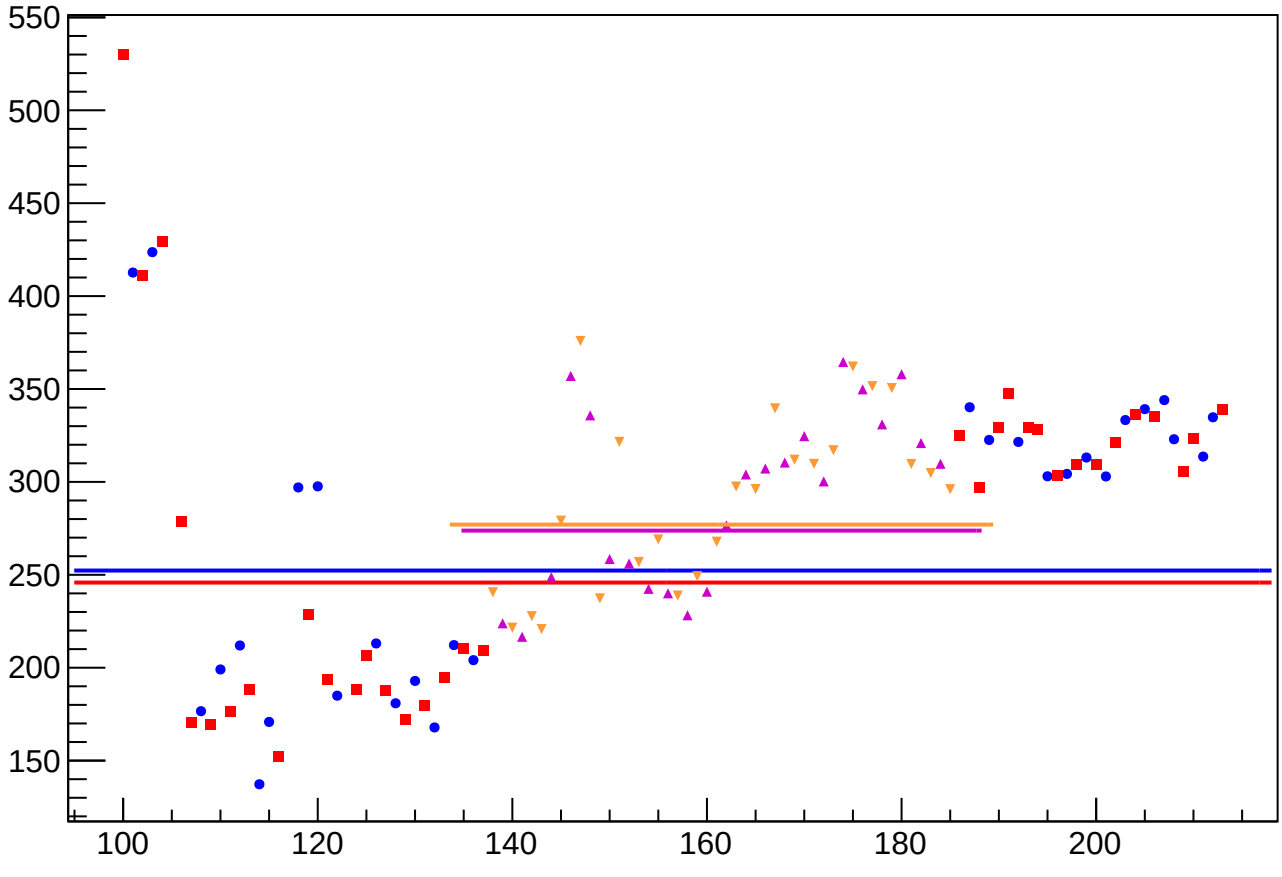
Right: 143561.087+/-0.043 χ^2/NDF: 19518845992.8

In: 136691.556+/-0.046 χ^2/NDF:40399793199.2/5

Out: 137178.280+/-0.044 χ^2/NDF:41380051325.5

All: 136945.223+/-0.032 χ^2/NDF: 81839164

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 252.299+/-0.045 χ^2/NDF: 2535573.1/28

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

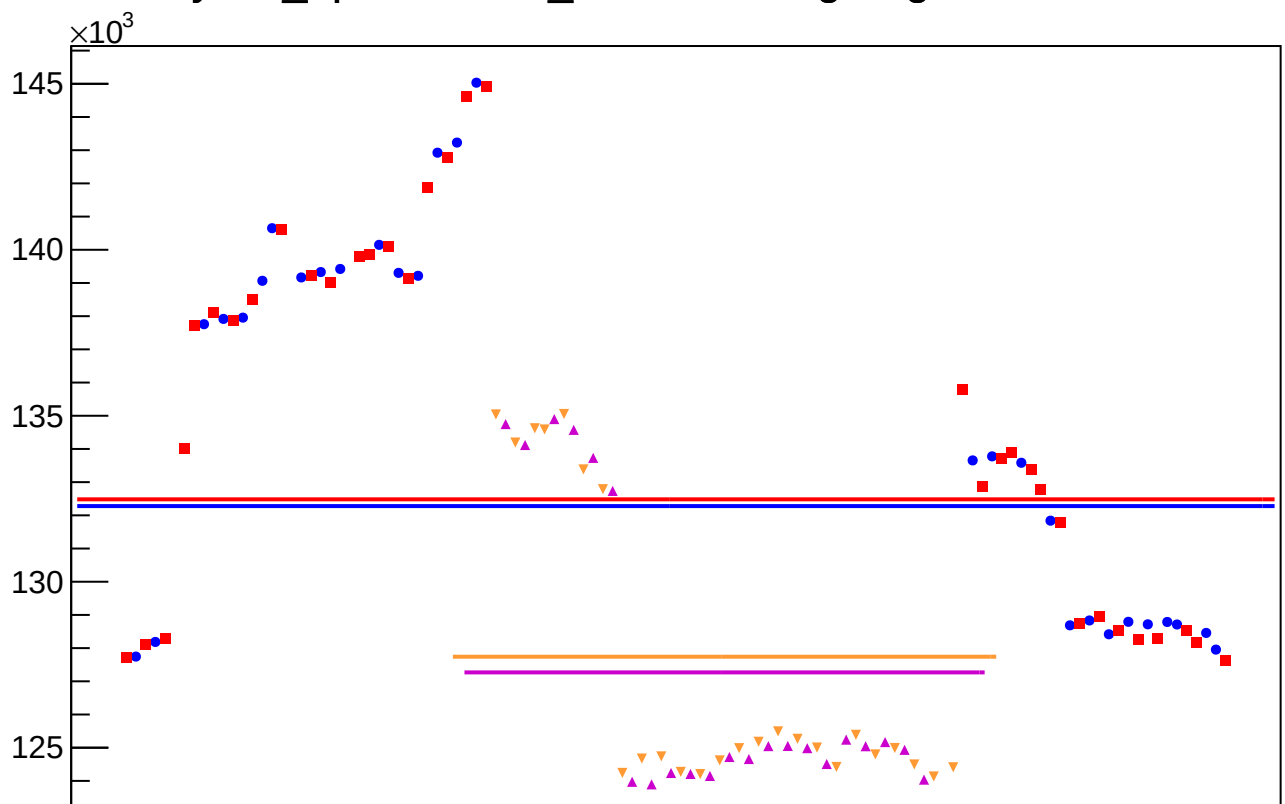
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 248.856+/-0.031 χ^2/NDF: 5503926.0/62

In: 262.743+/-0.032 χ^2/NDF:3650572.9/51

Out: 260.265+/-0.031 χ^2/NDF:4157540.3/58

All: 261.451+/-0.022 χ^2/NDF: 7811195.8/110



Right In: 132278.709+/-0.102 χ^2/NDF: 2771587114.2/28

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

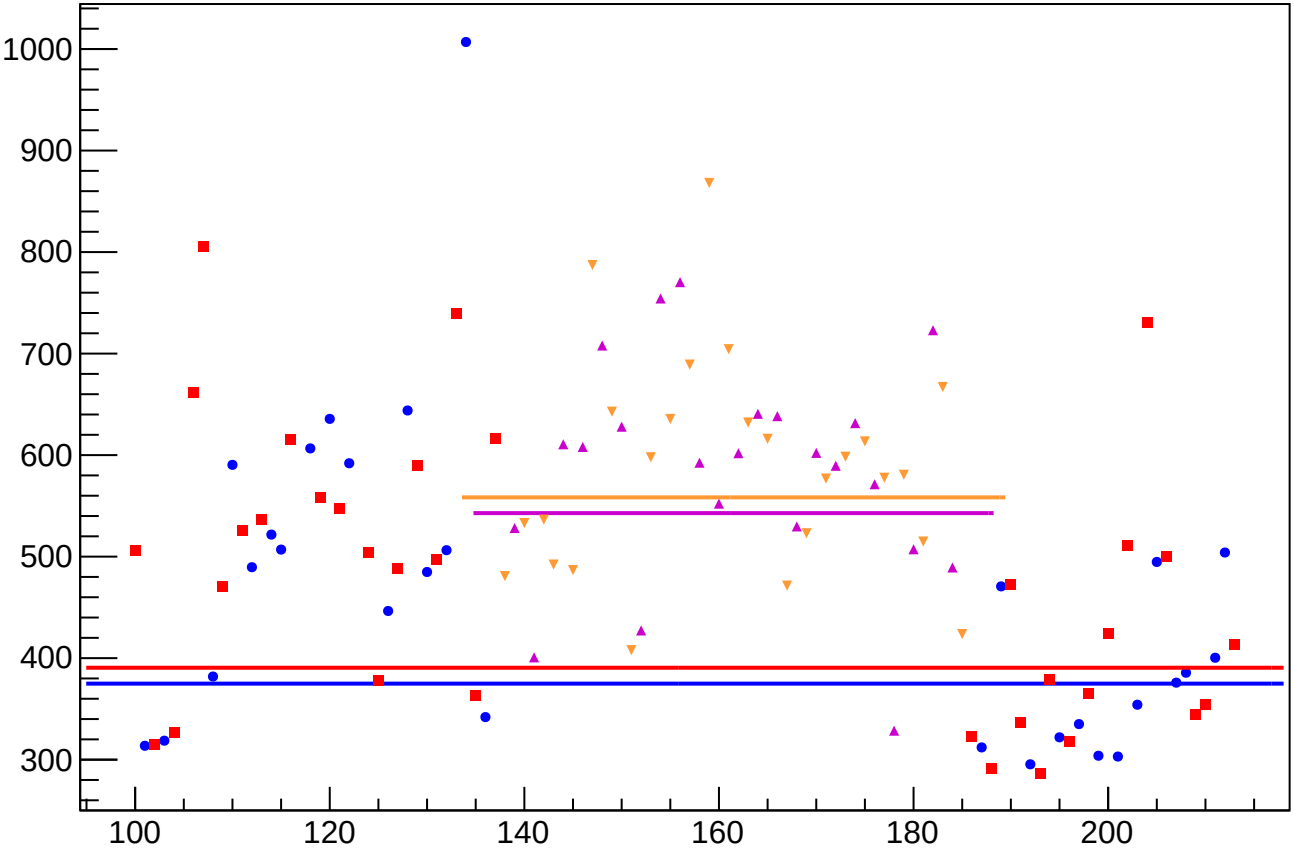
Right: 132380.161+/-0.072 χ^2/NDF: 4859131826.7/

In: 130516.348+/-0.082 χ^2/NDF:4590054919.5/51

Out: 130756.893+/-0.082 χ^2/NDF:3956011335.0/5

All: 130637.225+/-0.058 χ^2/NDF: 85503692

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 374.902+/-0.072 χ^2/NDF: 1663549.0/28

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

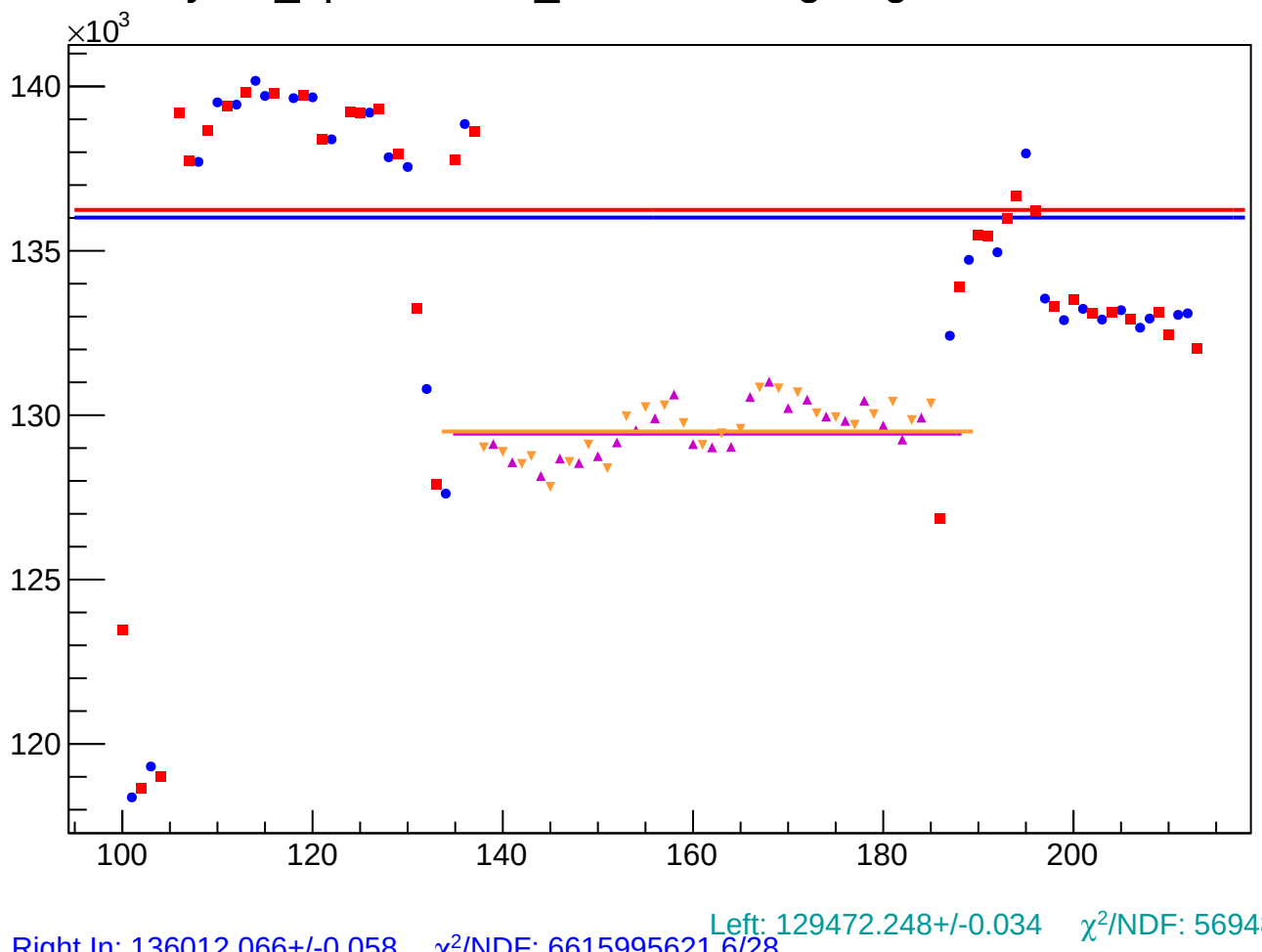
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 382.701+/-0.051 χ^2/NDF: 3691266.7/62

In: 433.987+/-0.058 χ^2/NDF:4984396.9/51

Out: 451.643+/-0.058 χ^2/NDF:4921300.1/58

All: 442.859+/-0.041 χ^2/NDF: 9952060.6/110



Right In: 136012.066+/-0.058 χ^2/NDF: 6615995621.6/28

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

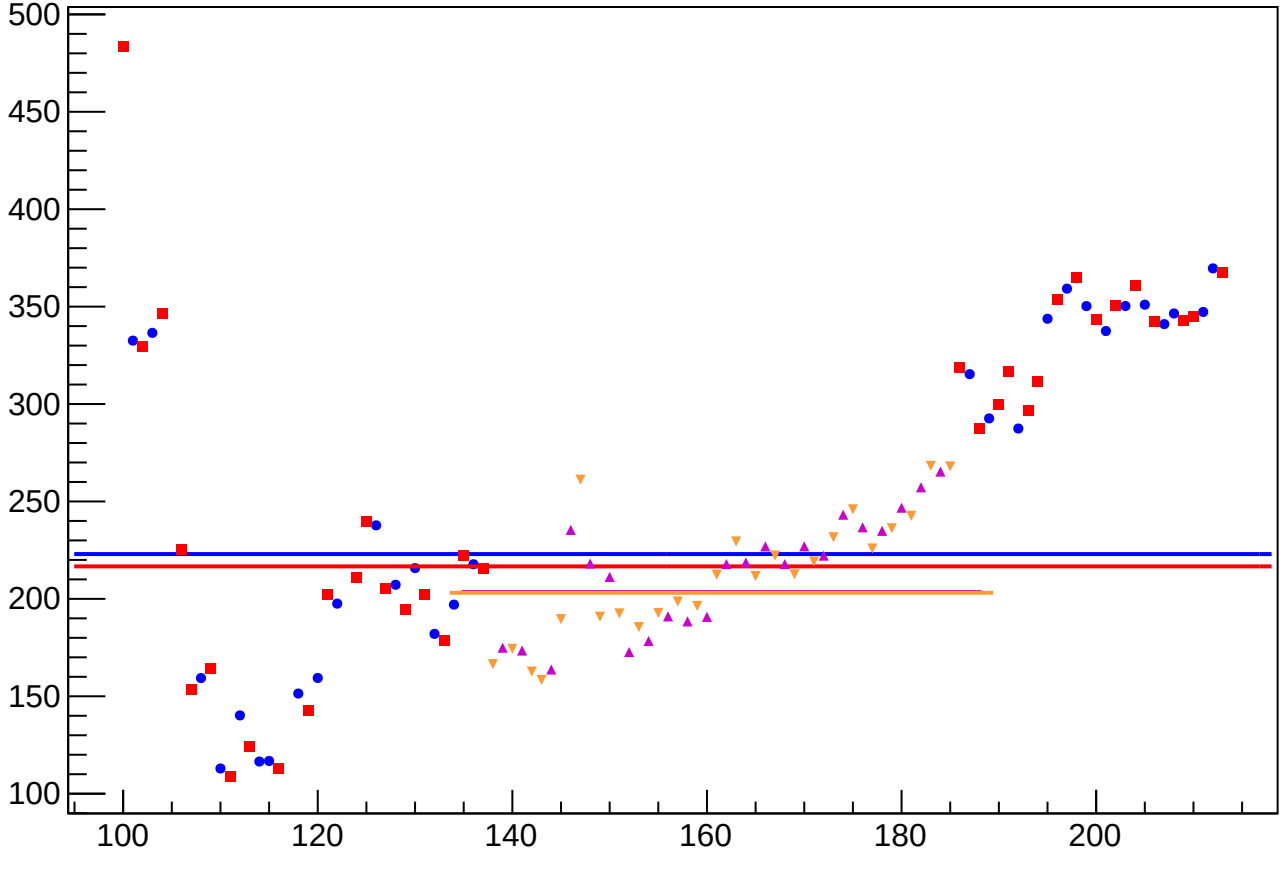
Right: 136135.790+/-0.040 χ^2/NDF: 13664918496.

In: 132123.687+/-0.037 χ^2/NDF:14414169168.6/5

Out: 132368.041+/-0.036 χ^2/NDF:16076451358.8

All: 132251.232+/-0.026 χ^2/NDF: 30513086

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 222.990+/-0.041 χ^2/NDF: 4577247.6/28

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

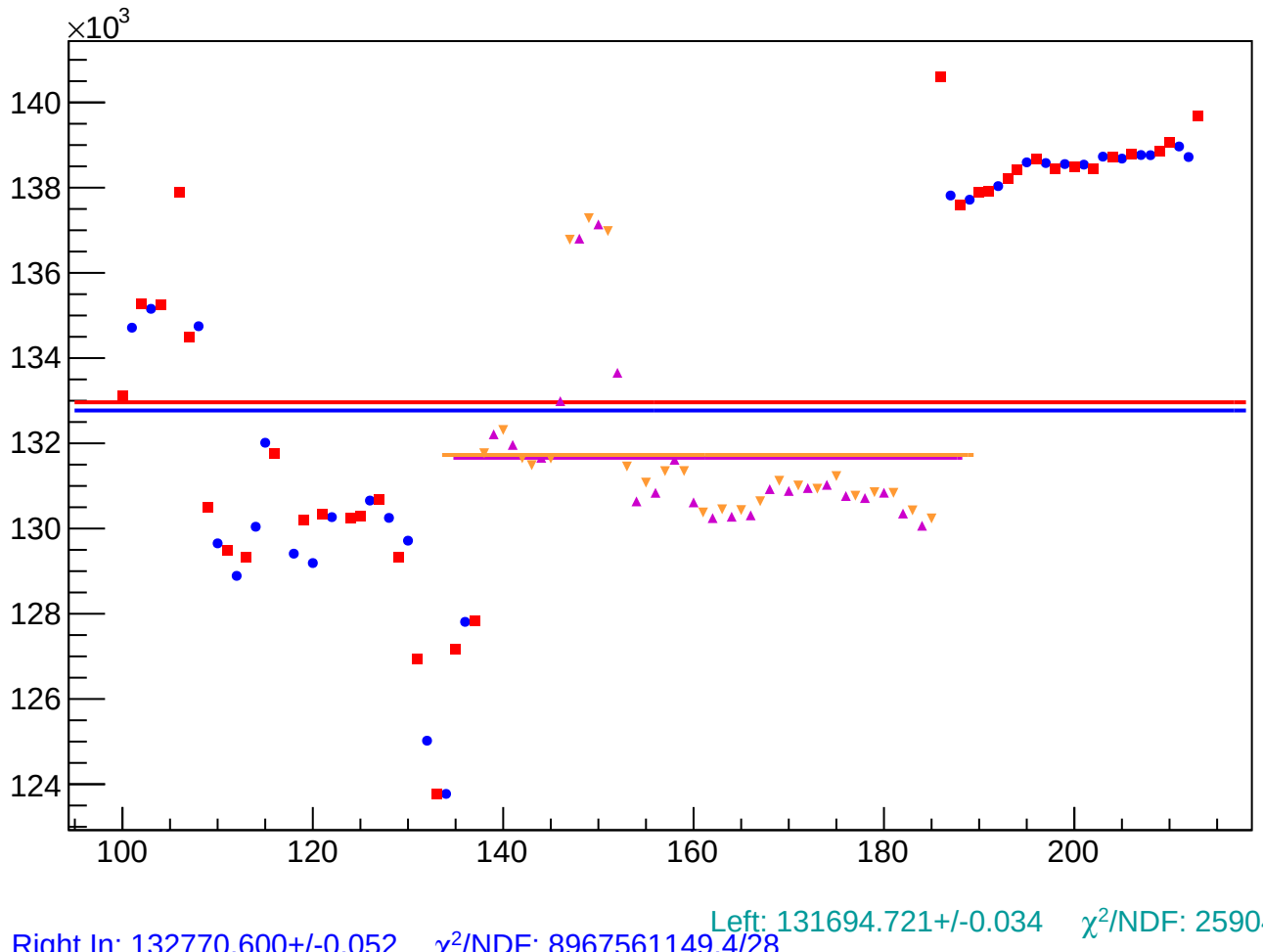
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 219.632+/-0.028 χ^2/NDF: 10103436.7/62

In: 211.490+/-0.026 χ^2/NDF:5374990.3/51

Out: 208.883+/-0.025 χ^2/NDF:6342731.3/58

All: 210.130+/-0.018 χ^2/NDF: 11722835.9/11



Right In: 132770.600+/-0.052 χ^2/NDF: 8967561149.4/28

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

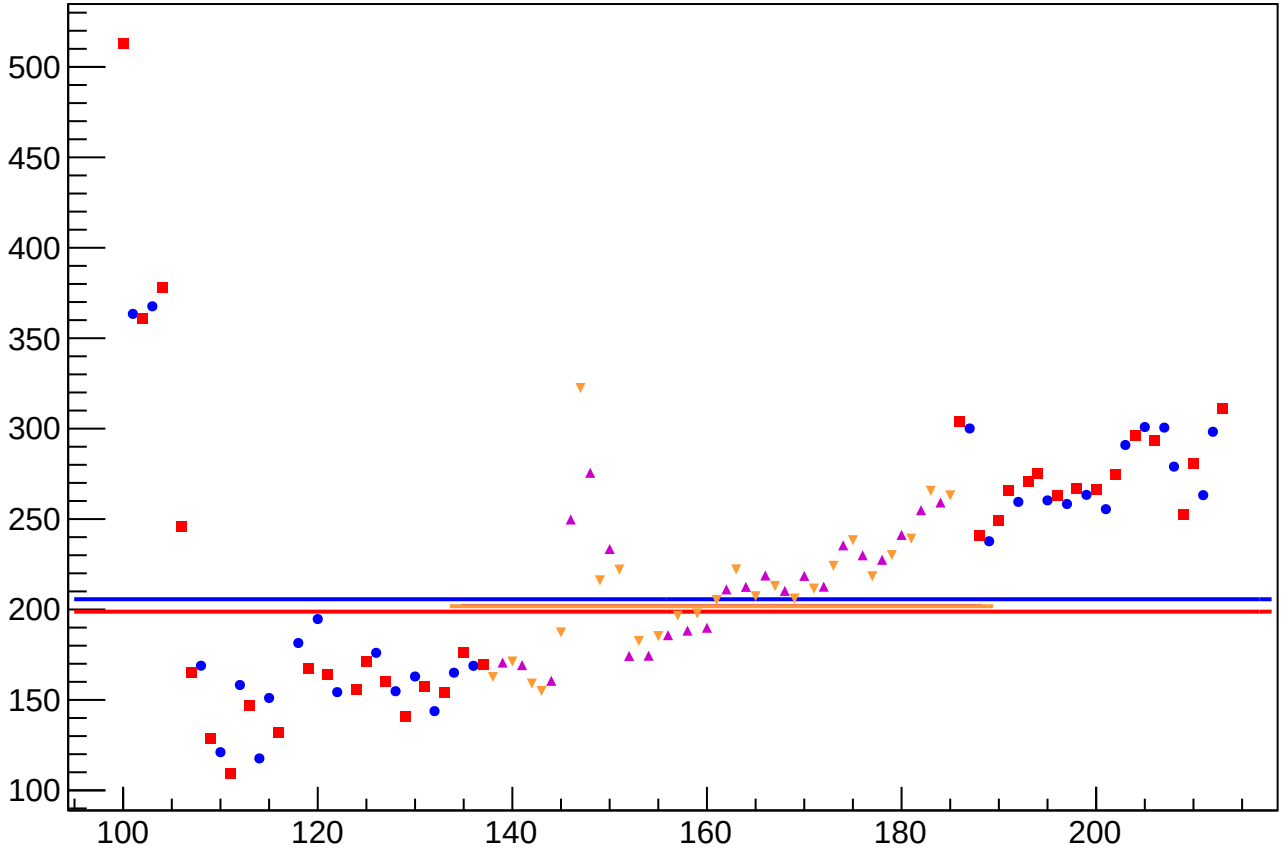
Right: 132873.389+/-0.036 χ^2/NDF: 18452802649.3

In: 132169.913+/-0.035 χ^2/NDF:10375596390.3/5

Out: 132318.034+/-0.034 χ^2/NDF:11235970322.1

All: 132247.377+/-0.024 χ^2/NDF: 21620702

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 205.672+/-0.037 χ^2/NDF: 2922292.9/28

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

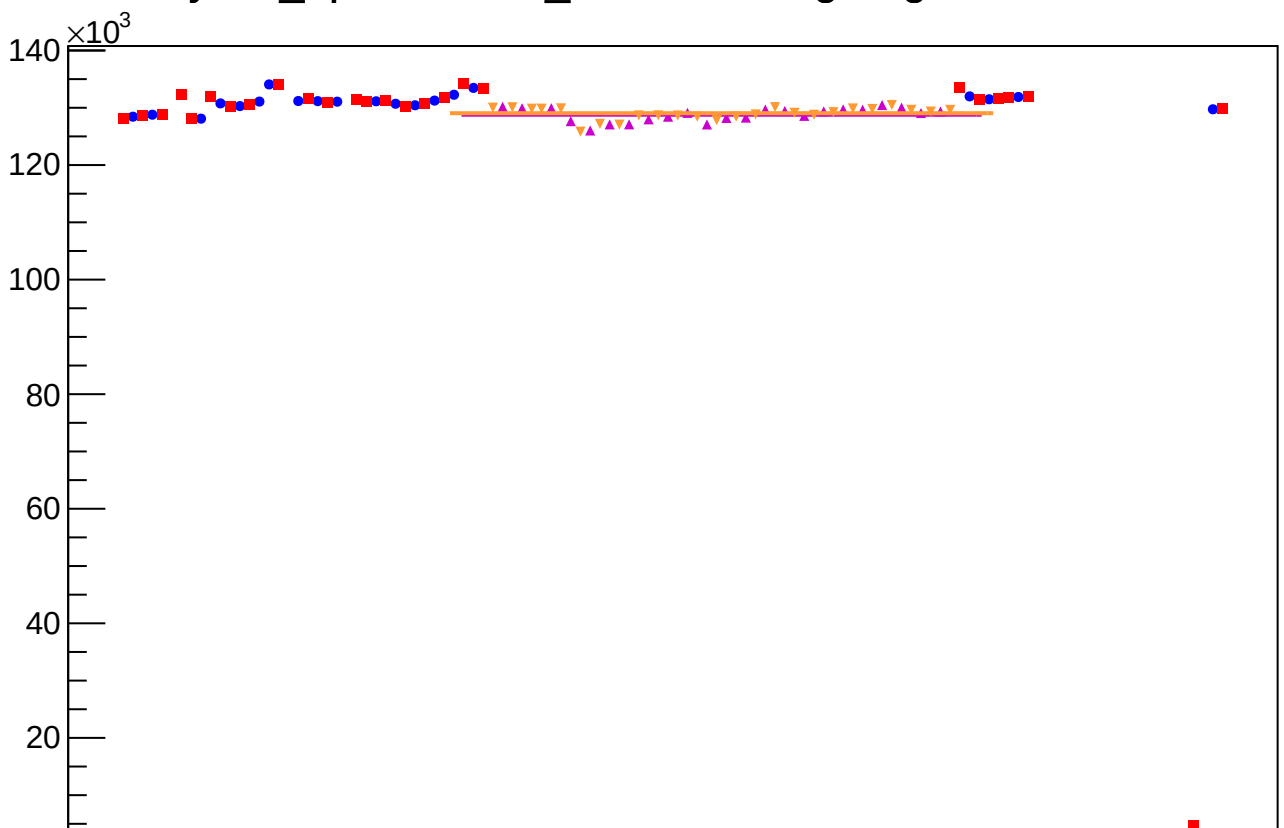
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 202.014+/-0.025 χ^2/NDF: 6820367.6/62

In: 203.656+/-0.025 χ^2/NDF:3730481.0/51

Out: 200.370+/-0.024 χ^2/NDF:4788970.9/58

All: 201.938+/-0.017 χ^2/NDF: 8528447.0/110



Right In: 3420.916+/-0.005 χ^2/NDF: 5140477459200.2/28

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

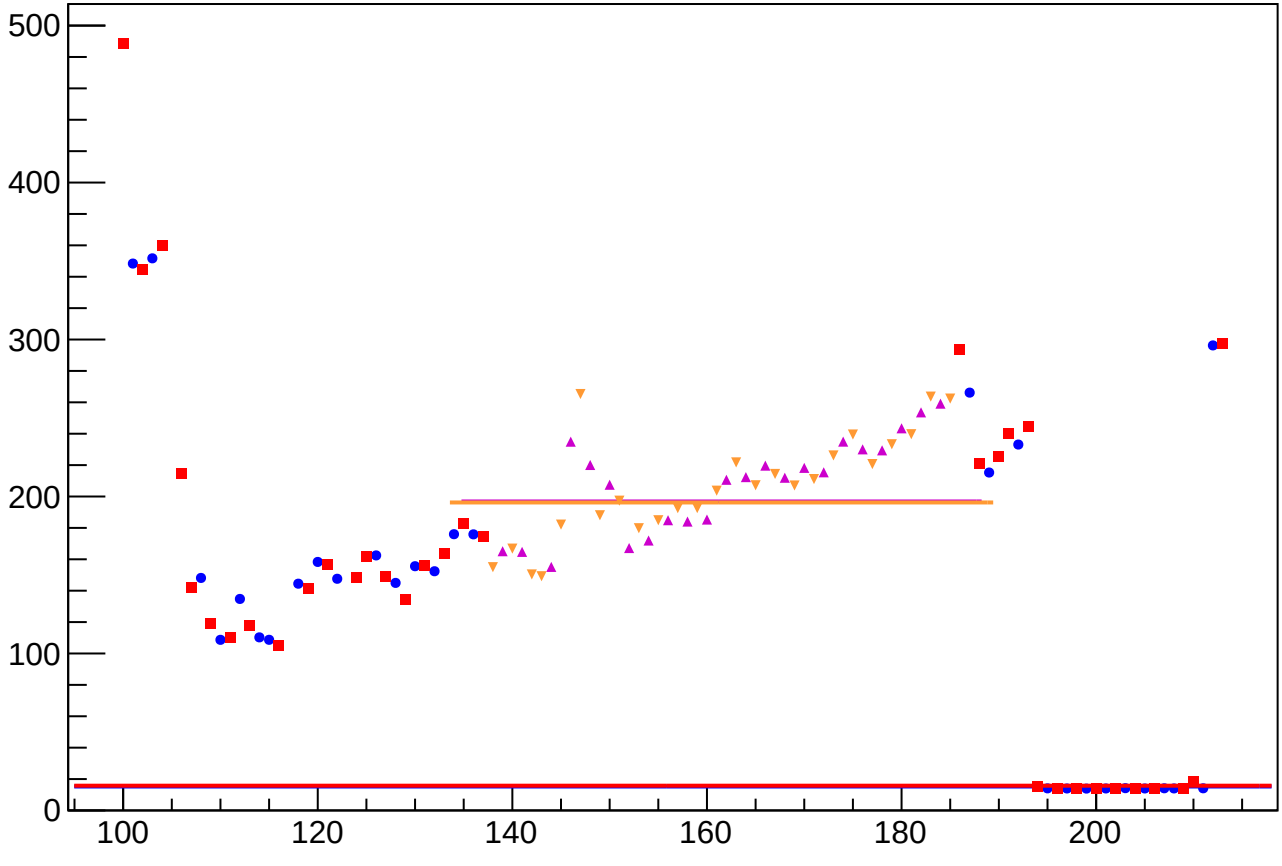
Right: 3631.759+/-0.004 χ^2/NDF: 1120868270032

In: 4861.188+/-0.005 χ^2/NDF:12204837551865.0

Out: 5650.495+/-0.005 χ^2/NDF:13528945160022.

All: 5226.547+/-0.004 χ^2/NDF: 2574519577

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 15.265+/-0.004 χ^2/NDF: 15860867.5/28

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

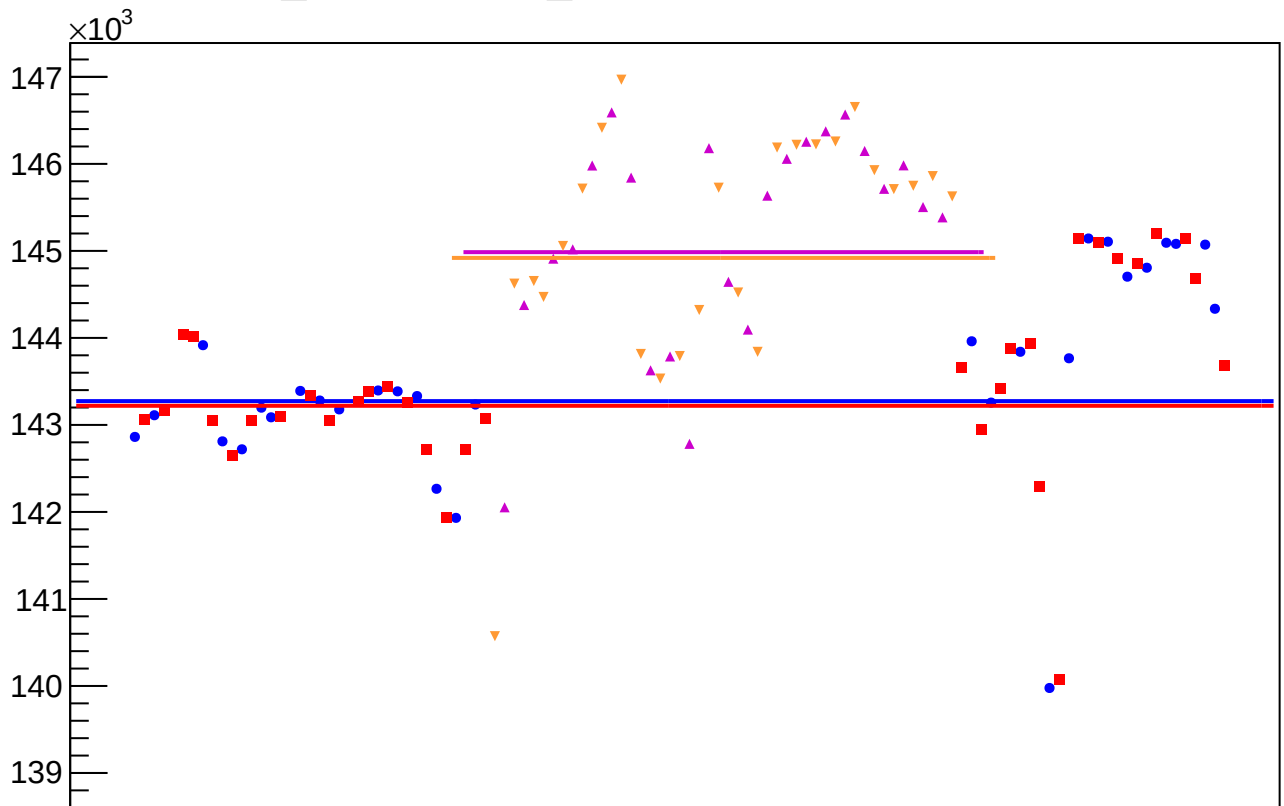
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.500+/-0.003 χ^2/NDF: 34006271.7/62

In: 17.351+/-0.004 χ^2/NDF:46271038.1/51

Out: 18.329+/-0.004 χ^2/NDF:50075684.2/58

All: 17.804+/-0.003 χ^2/NDF: 96381728.6/110



Right In: 143273.678+/-0.057 χ^2/NDF: 267410859.3/28

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

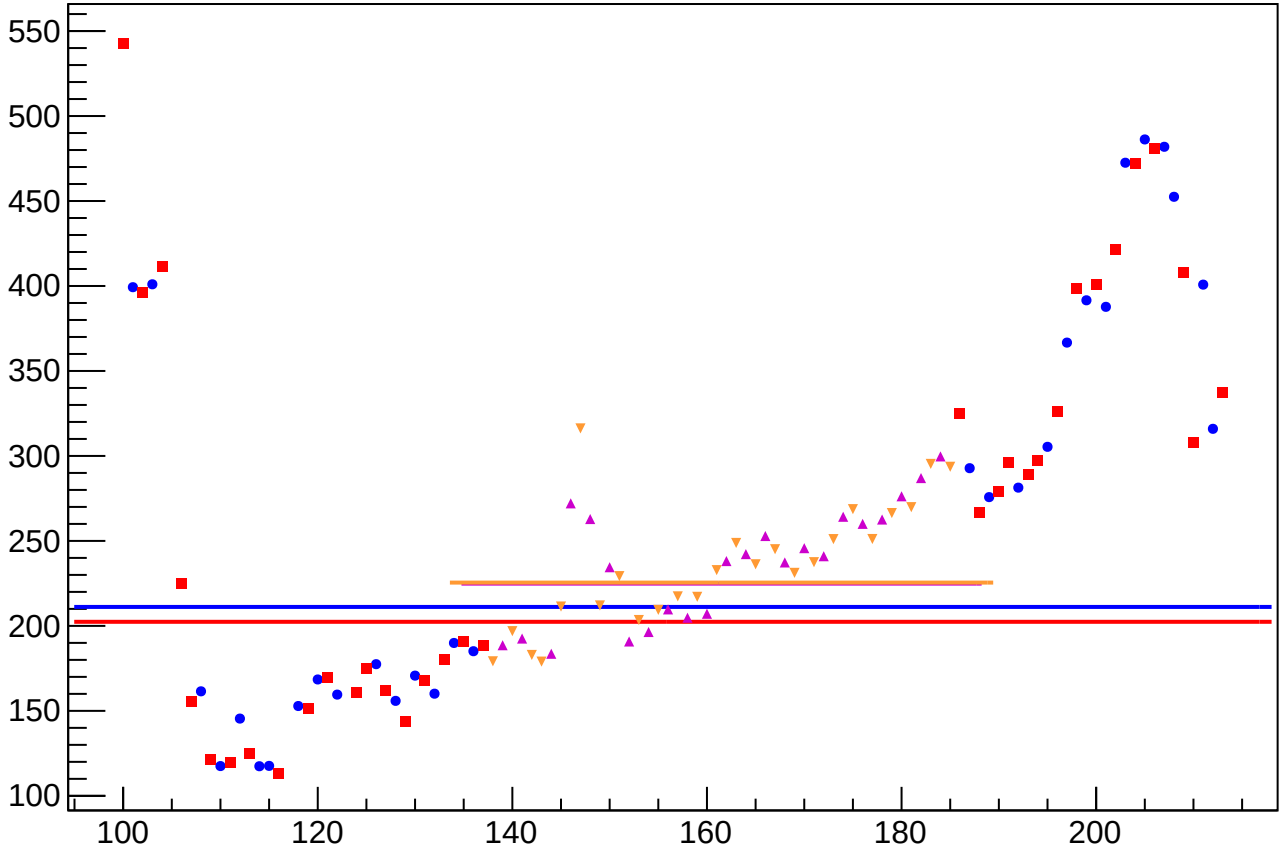
Right: 143244.655+/-0.038 χ^2/NDF: 534170814.4/6

In: 144176.537+/-0.039 χ^2/NDF:1368736298.1/51

Out: 144068.424+/-0.037 χ^2/NDF:1631930457.7/5

All: 144119.626+/-0.027 χ^2/NDF: 30047314

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 211.157+/-0.040 χ^2/NDF: 6192895.9/28

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: 206.423+/-0.027 χ^2/NDF: 13139652.1/62

In: 218.388+/-0.028 χ^2/NDF:6978628.4/51

Out: 213.923+/-0.026 χ^2/NDF:7891728.3/58

All: 216.038+/-0.019 χ^2/NDF: 14884223.1/11

Right In: -958.953+/-0.003 χ^2/NDF: 5541249146577.2/28

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

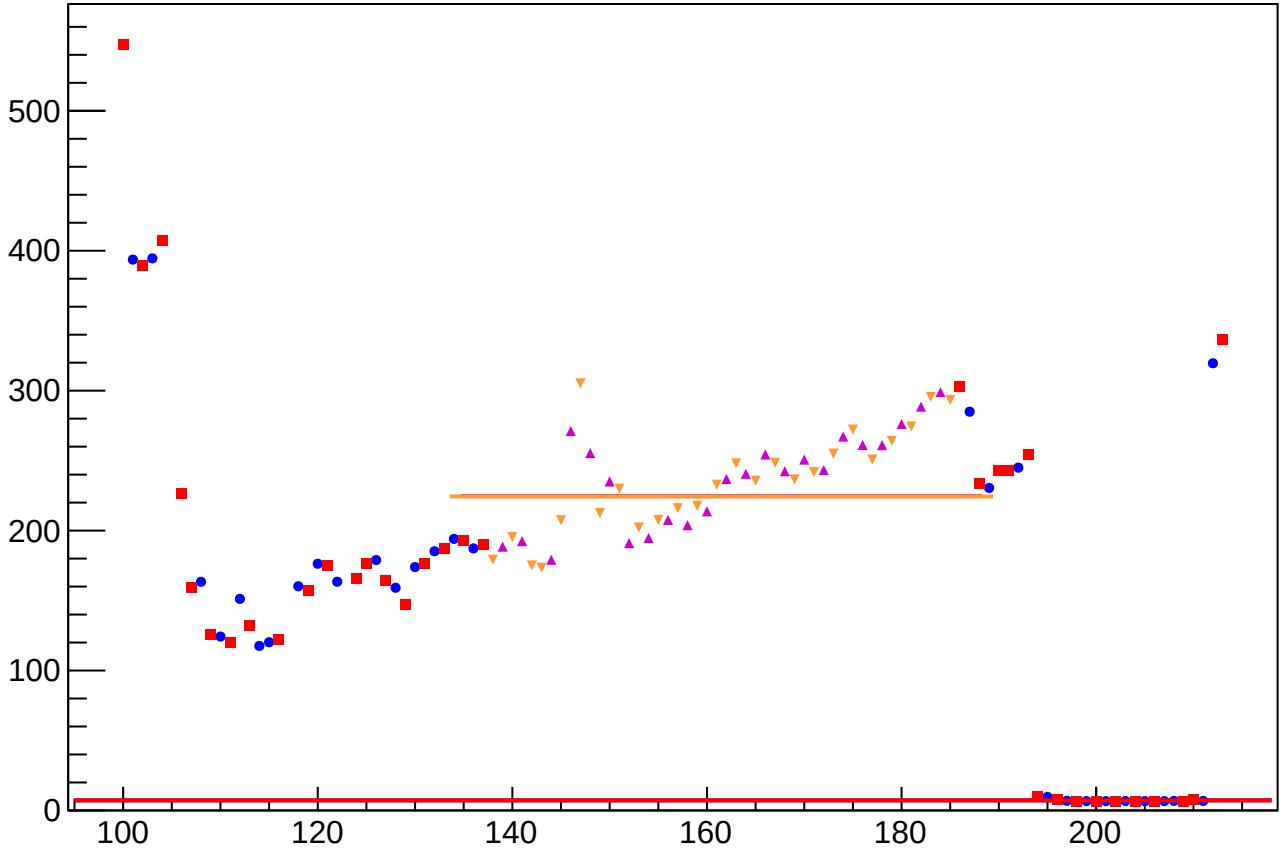
Right: -910.335+/-0.002 χ^2/NDF: 12174310387295

In: -638.466+/-0.003 χ^2/NDF:13059387524206.7/

Out: -463.825+/-0.003 χ^2/NDF:14589171127823.0

All: -557.239+/-0.002 χ^2/NDF: 2765082690

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.179+/-0.002 χ^2/NDF: 17637534.4/28

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

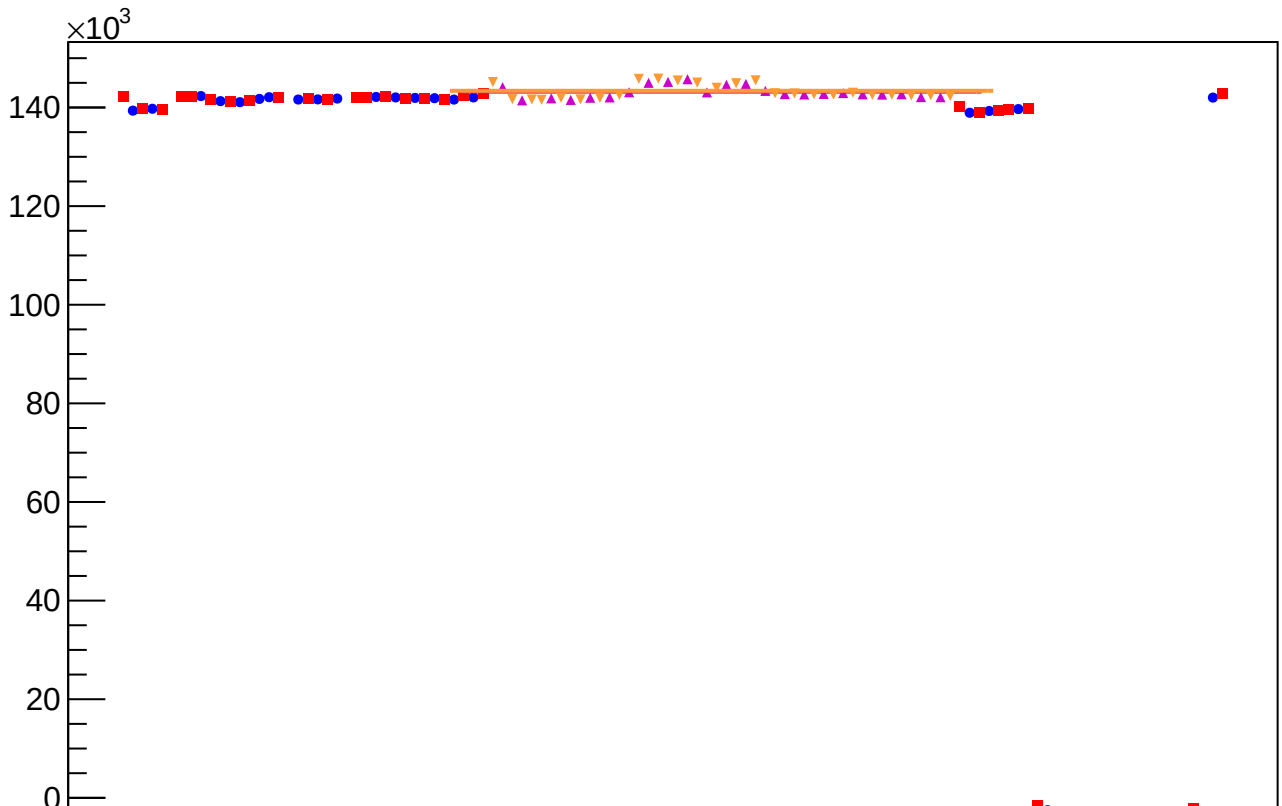
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.210+/-0.001 χ^2/NDF: 37792004.5/62

In: 7.653+/-0.002 χ^2/NDF:51294362.1/51

Out: 7.824+/-0.002 χ^2/NDF:55778260.6/58

All: 7.733+/-0.001 χ^2/NDF: 107076963.1/110



Right In: -2503.037+/-0.003 χ^2/NDF: 5102739110693.7/28

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

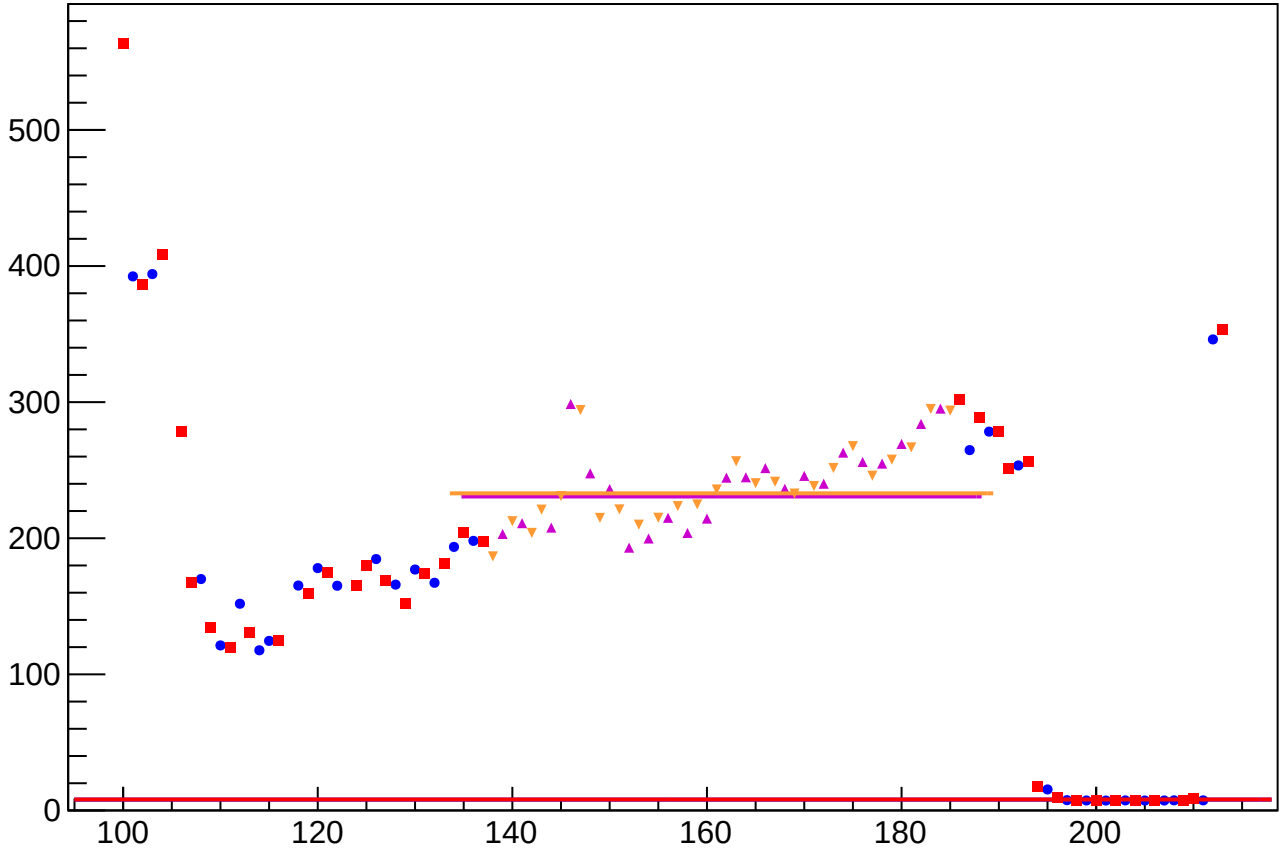
Right: -2451.661+/-0.002 χ^2/NDF: 1108843450361

In: -2124.873+/-0.003 χ^2/NDF:12148702659523.8

Out: -1938.321+/-0.003 χ^2/NDF:13336774286563

All: -2038.142+/-0.002 χ^2/NDF: 2548755089

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 7.957+/-0.002 χ^2/NDF: 17800634.1/28

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

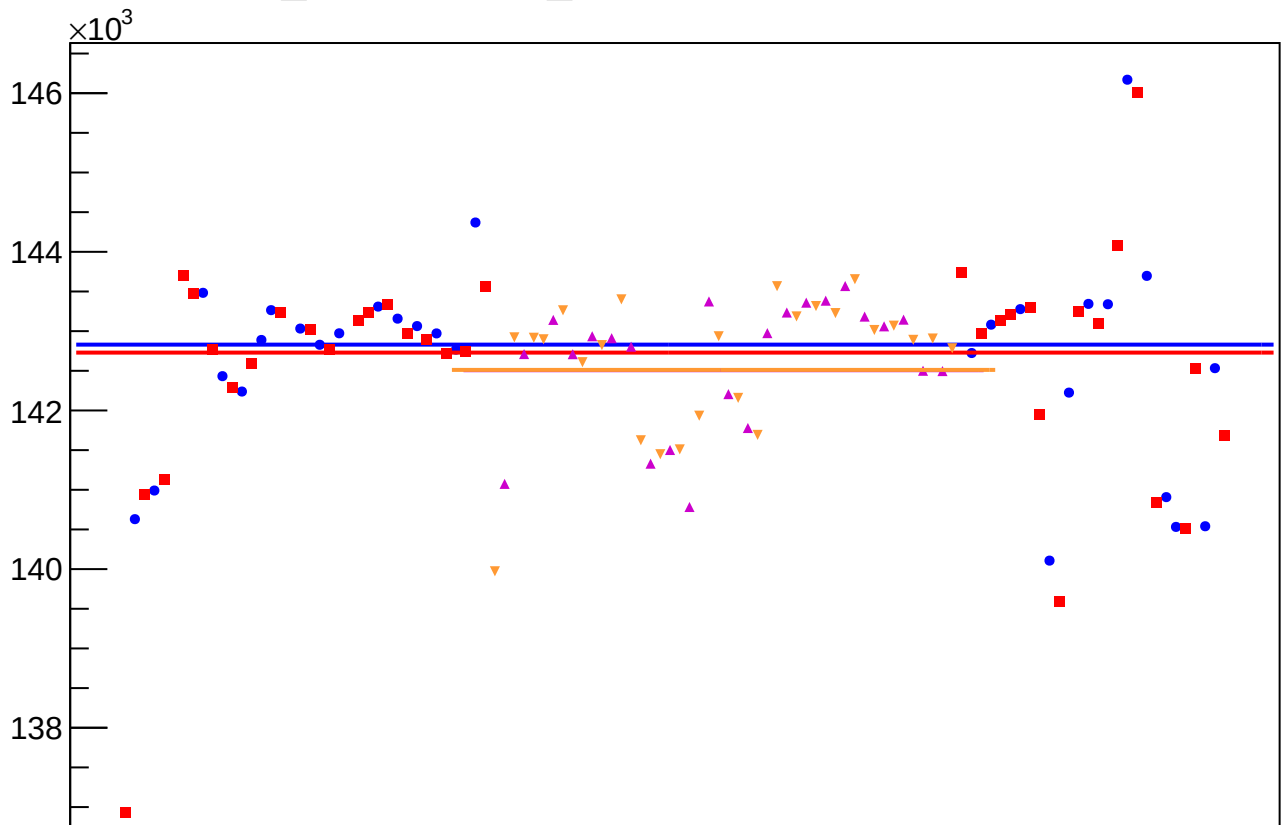
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.000+/-0.001 χ^2/NDF: 37998999.4/62

In: 8.535+/-0.002 χ^2/NDF:51232069.2/51

Out: 8.752+/-0.002 χ^2/NDF:55652528.0/58

All: 8.635+/-0.001 χ^2/NDF: 106890213.2/110



Right In: 142830.064+/-0.059 χ^2/NDF: 295848854.5/28

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

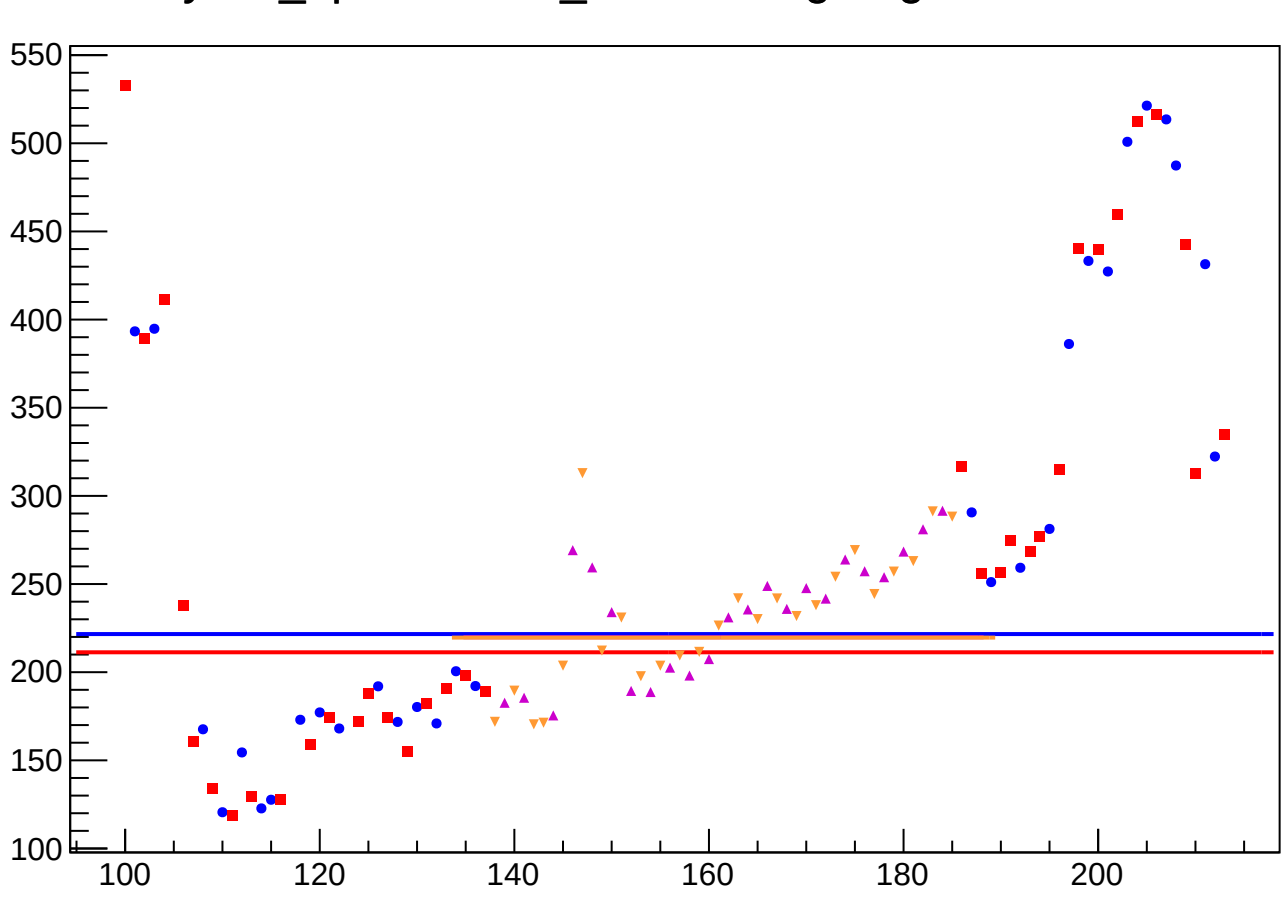
Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

Right: 142775.296+/-0.040 χ^2/NDF: 544592196.2/6

In: 142649.176+/-0.039 χ^2/NDF:581753417.8/51

Out: 142613.718+/-0.037 χ^2/NDF:593877037.6/58

All: 142630.445+/-0.027 χ^2/NDF: 11760616



Right In: 221.627+/-0.042 χ^2/NDF: 5929161.5/28

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

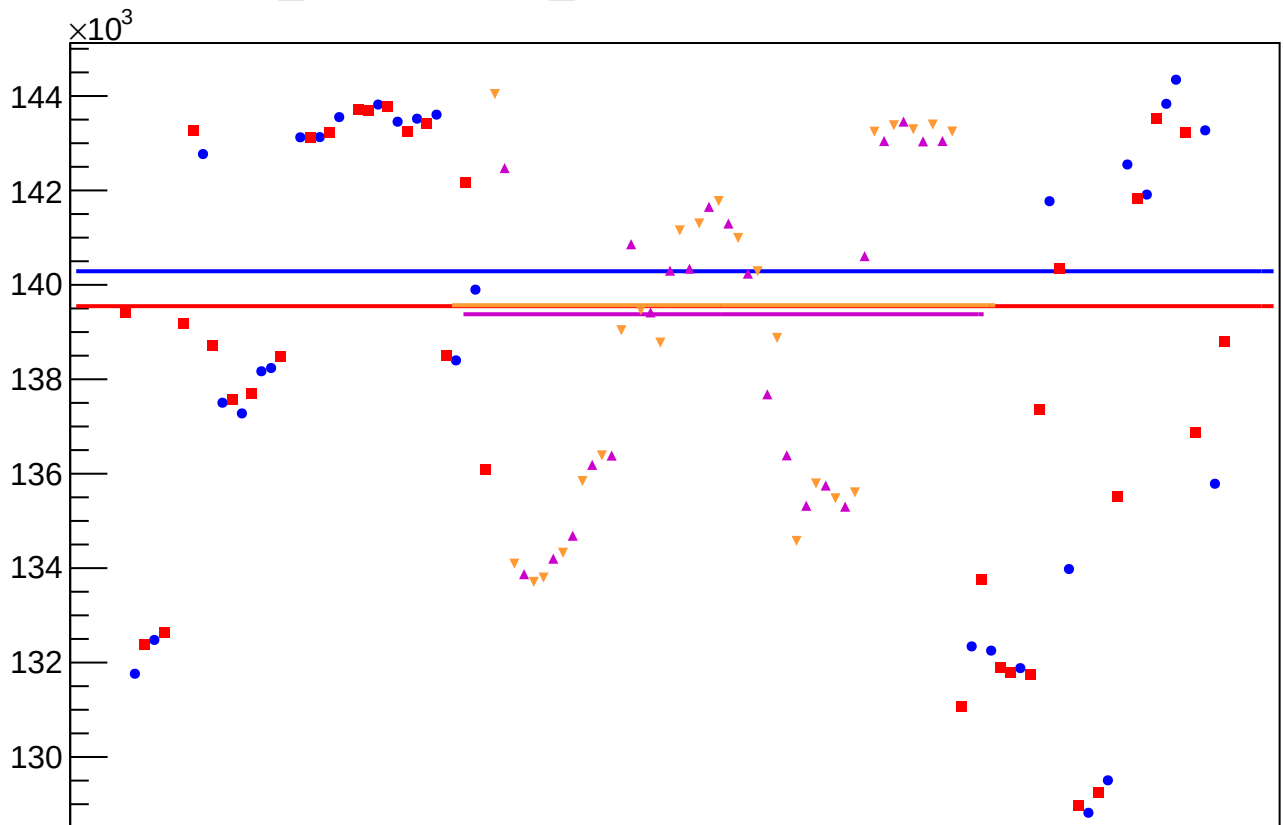
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 215.994+/-0.028 χ^2/NDF: 12490061.2/62

In: 220.610+/-0.028 χ^2/NDF:6735715.3/51

Out: 215.709+/-0.026 χ^2/NDF:7454853.2/58

All: 218.021+/-0.019 χ^2/NDF: 14207044.9/11



Right In: 140288.351+/-0.084 χ^2/NDF: 2723599880.7/28

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

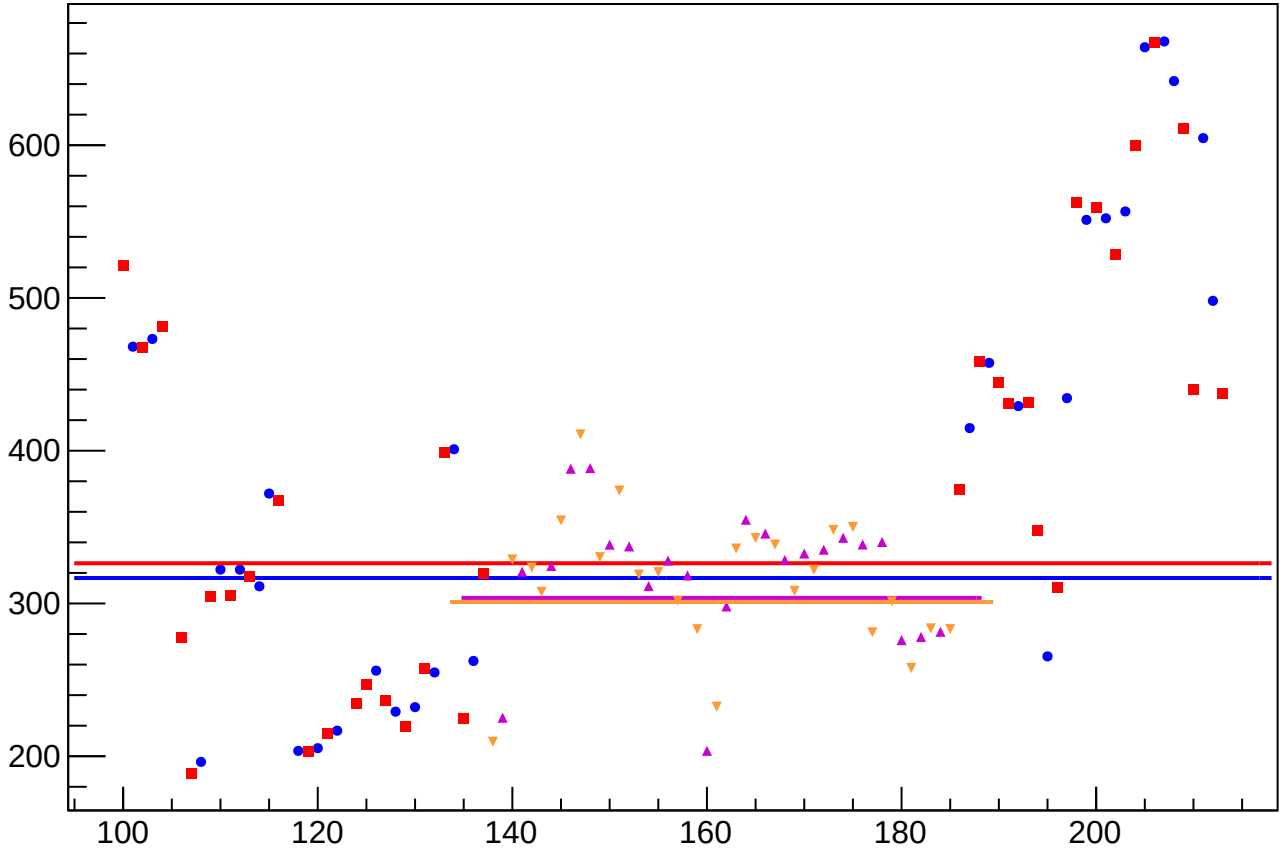
Right: 139908.098+/-0.058 χ^2/NDF: 5587975429.6/

In: 139770.950+/-0.055 χ^2/NDF:4712353173.5/51

Out: 139560.143+/-0.053 χ^2/NDF:5410861448.2/5

All: 139661.819+/-0.038 χ^2/NDF: 10130823

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 316.672+/-0.059 χ^2/NDF: 5011203.4/28

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

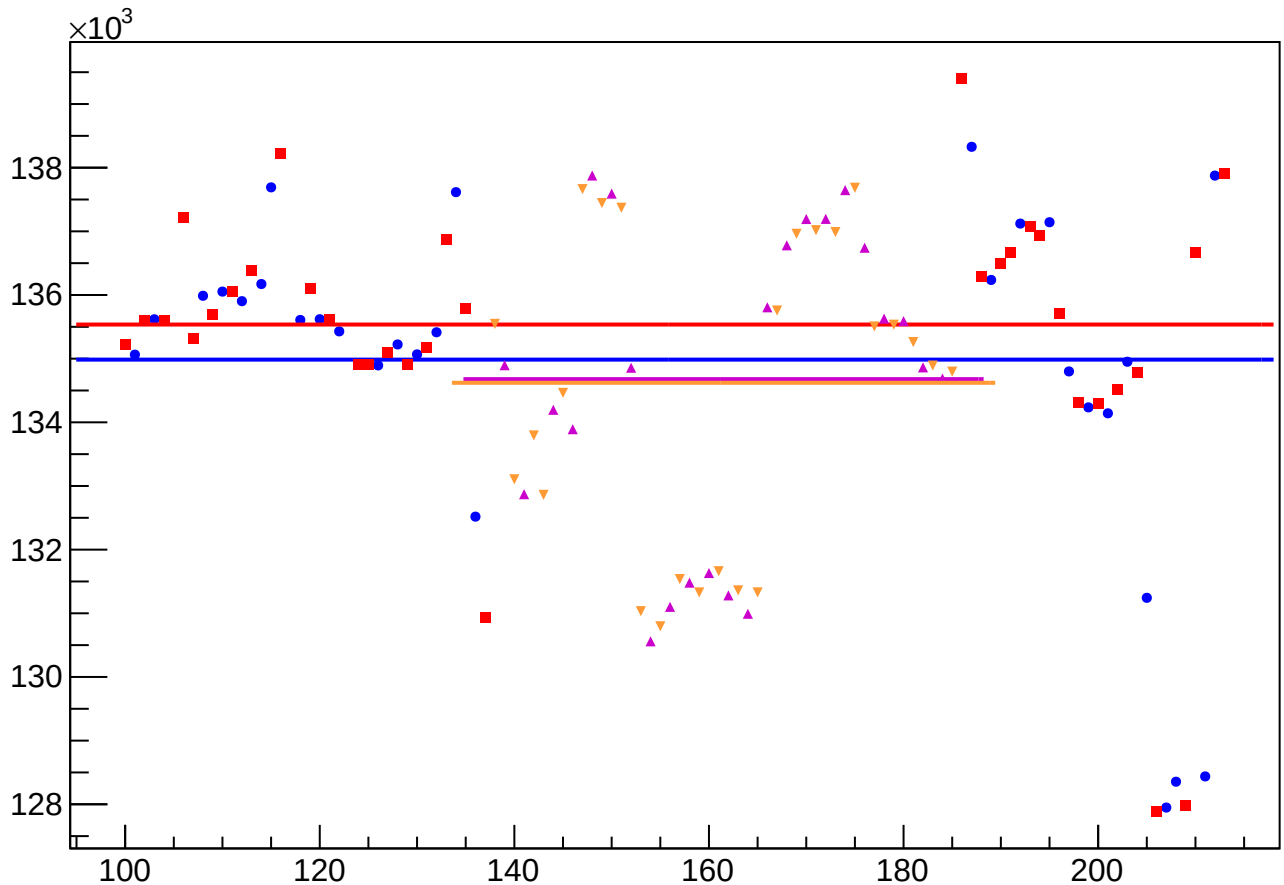
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 321.644+/-0.041 χ^2/NDF: 9534003.6/62

In: 309.279+/-0.039 χ^2/NDF:6014942.8/51

Out: 311.765+/-0.038 χ^2/NDF:5497765.4/58

All: 310.566+/-0.027 χ^2/NDF: 11514825.3/1



Right In: 134985.041+/-0.079 χ^2/NDF: 856104876.5/28

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

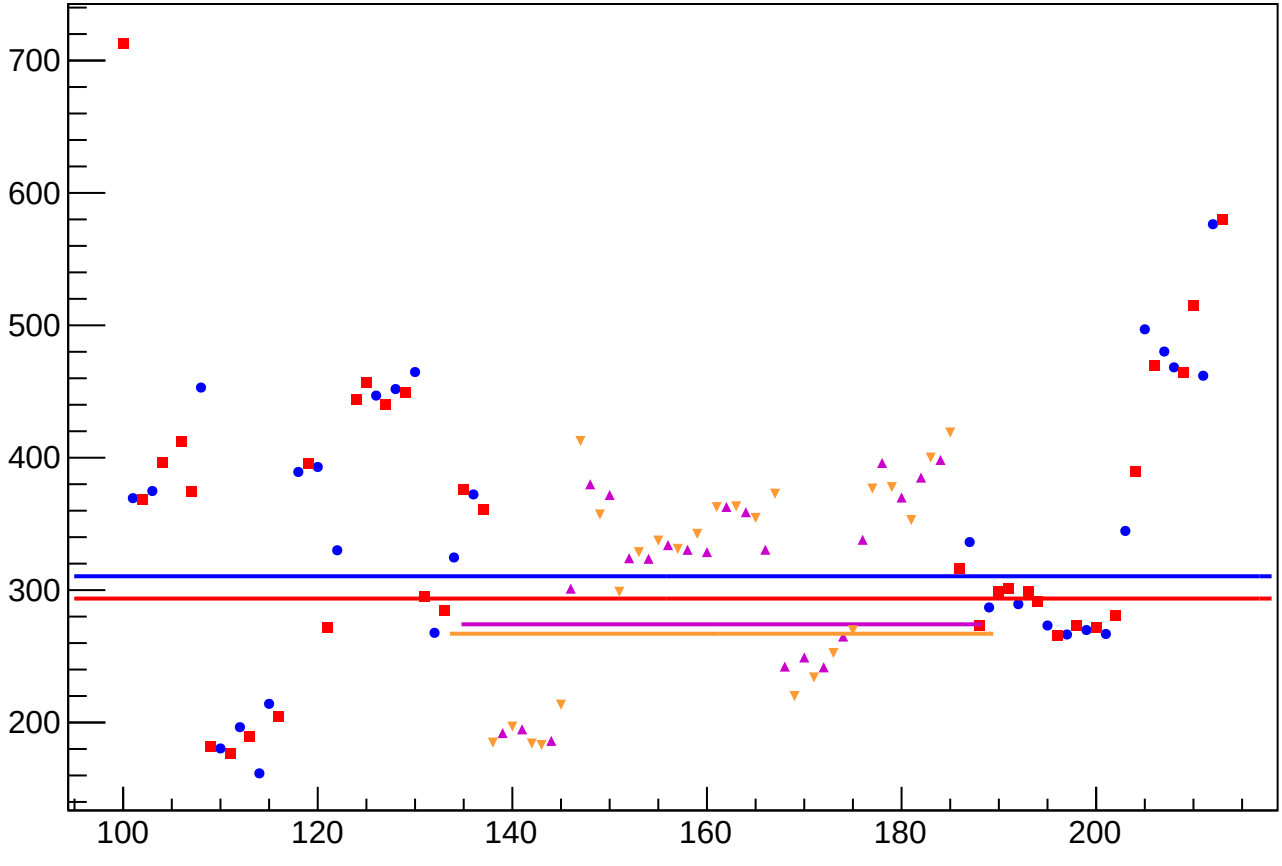
Right: 135286.540+/-0.053 χ^2/NDF: 1664725238.3/

In: 134807.412+/-0.051 χ^2/NDF:1961230938.2/51

Out: 135026.526+/-0.048 χ^2/NDF:2074527428.9/5

All: 134924.439+/-0.035 χ^2/NDF: 40456468

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 310.453+/-0.056 χ^2/NDF: 2839652.7/28

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

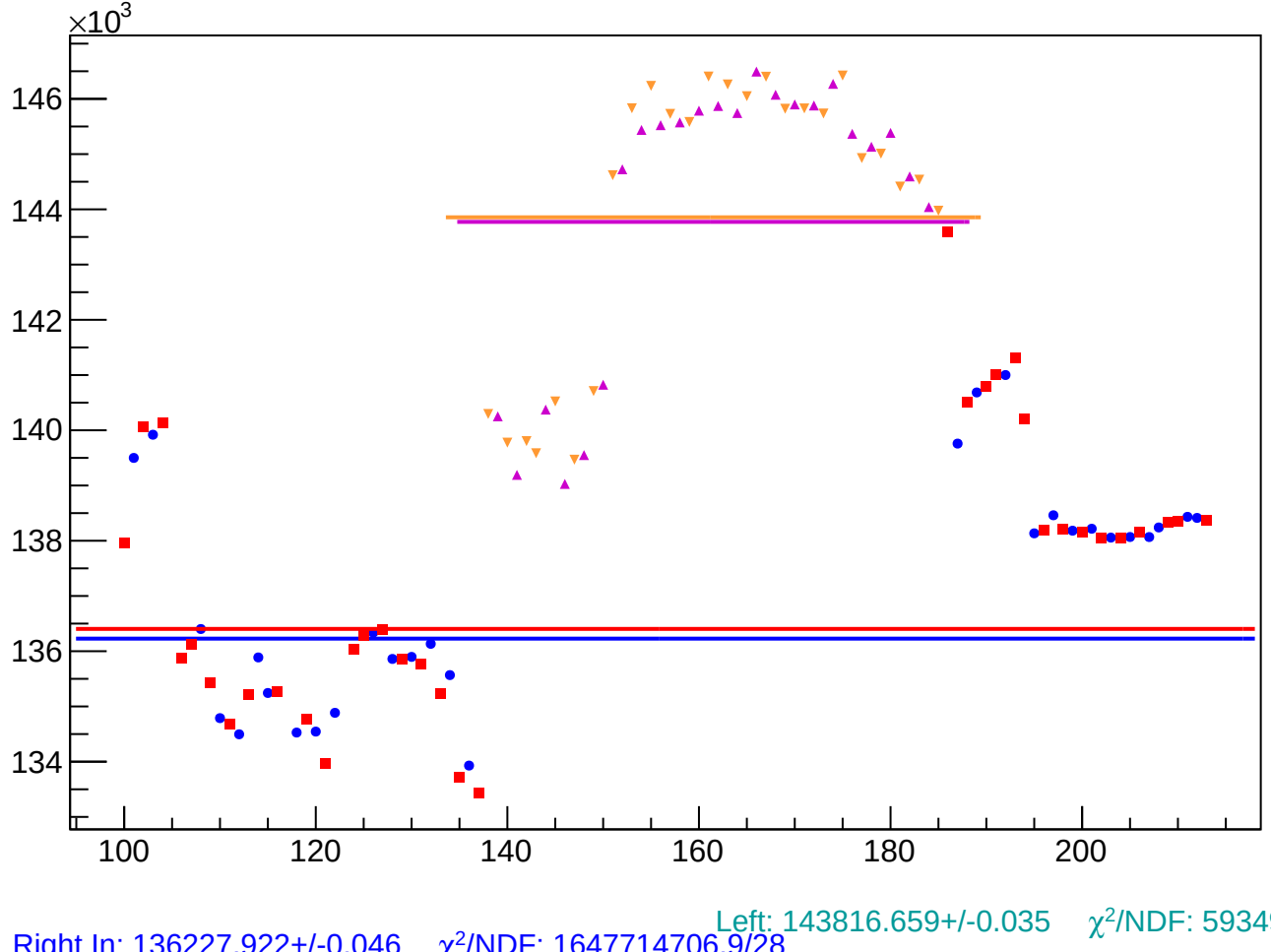
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 301.244+/-0.037 χ^2/NDF: 6092893.4/62

In: 289.433+/-0.036 χ^2/NDF:5323739.1/51

Out: 278.826+/-0.034 χ^2/NDF:6200252.9/58

All: 283.768+/-0.025 χ^2/NDF: 11570336.5/11



Right In: 136227.922+/-0.046 χ^2/NDF: 1647714706.9/28

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

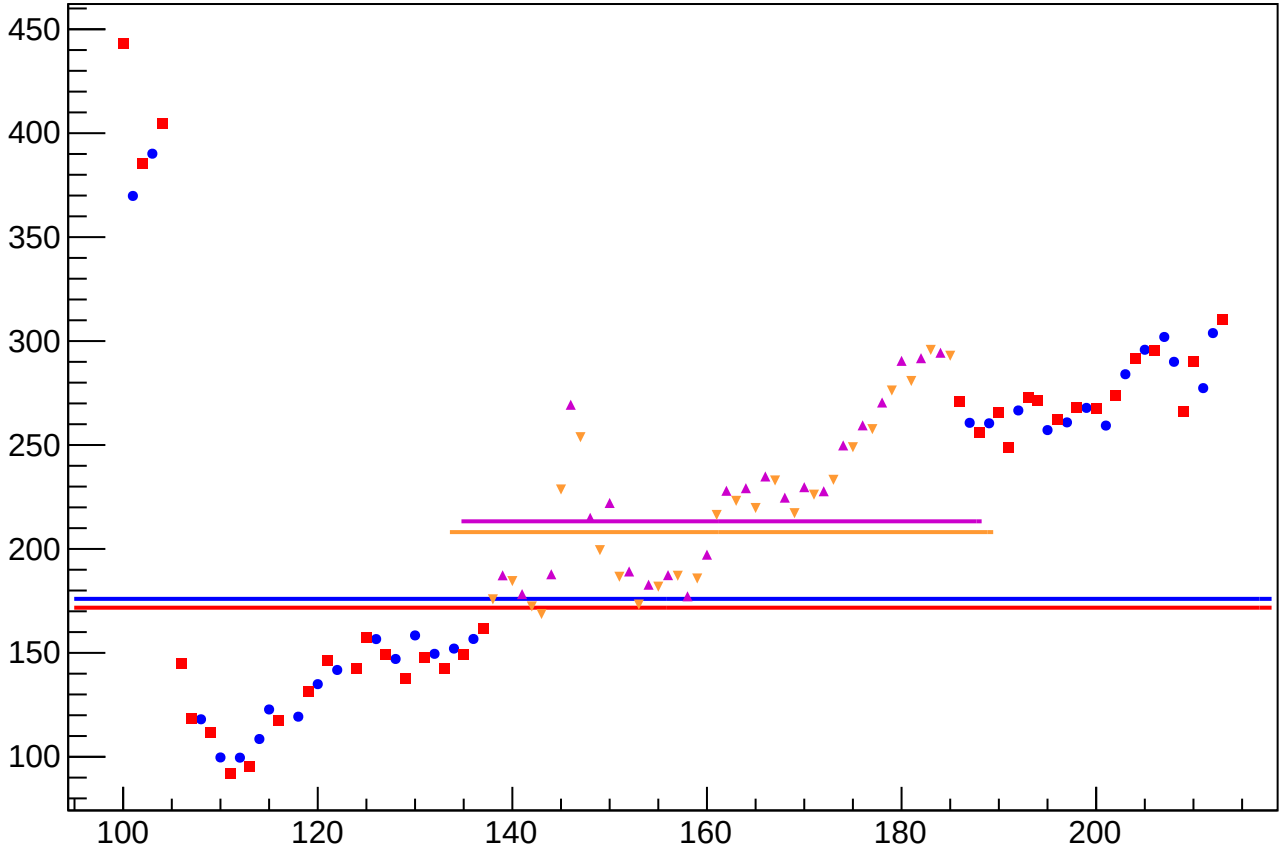
Right: 136320.986+/-0.032 χ^2/NDF: 3956000585.6/

In: 139638.857+/-0.034 χ^2/NDF:16481497591.6/5

Out: 139753.129+/-0.032 χ^2/NDF:18517701086.2

All: 139699.135+/-0.024 χ^2/NDF: 350050750

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 175.990+/-0.033 χ^2/NDF: 5140916.1/28

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

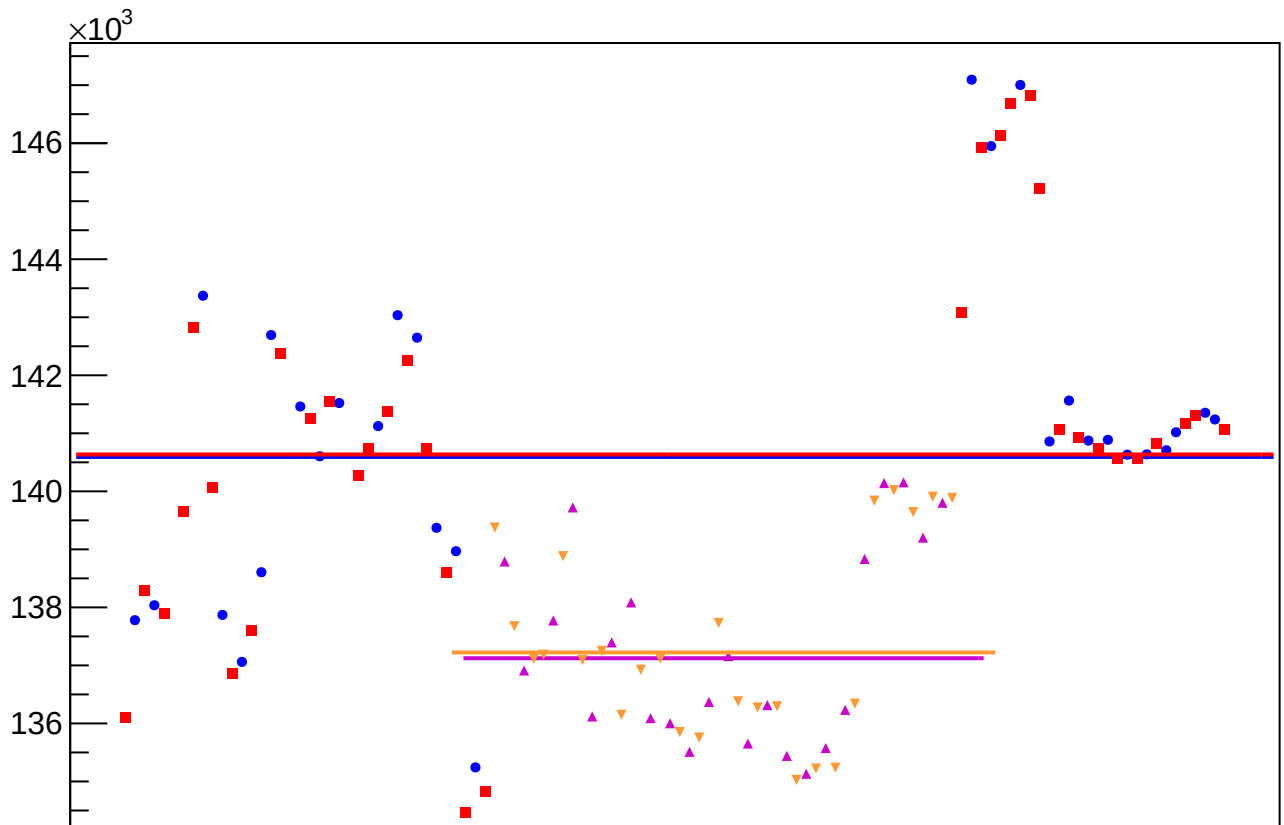
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 173.744+/-0.022 χ^2/NDF: 11214807.1/62

In: 192.851+/-0.024 χ^2/NDF:6594391.2/51

Out: 188.083+/-0.023 χ^2/NDF:7681038.6/58

All: 190.336+/-0.017 χ^2/NDF: 14295891.0/1



Right In: 140593.355+/-0.052 χ^2/NDF: 2818182239.4/28

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

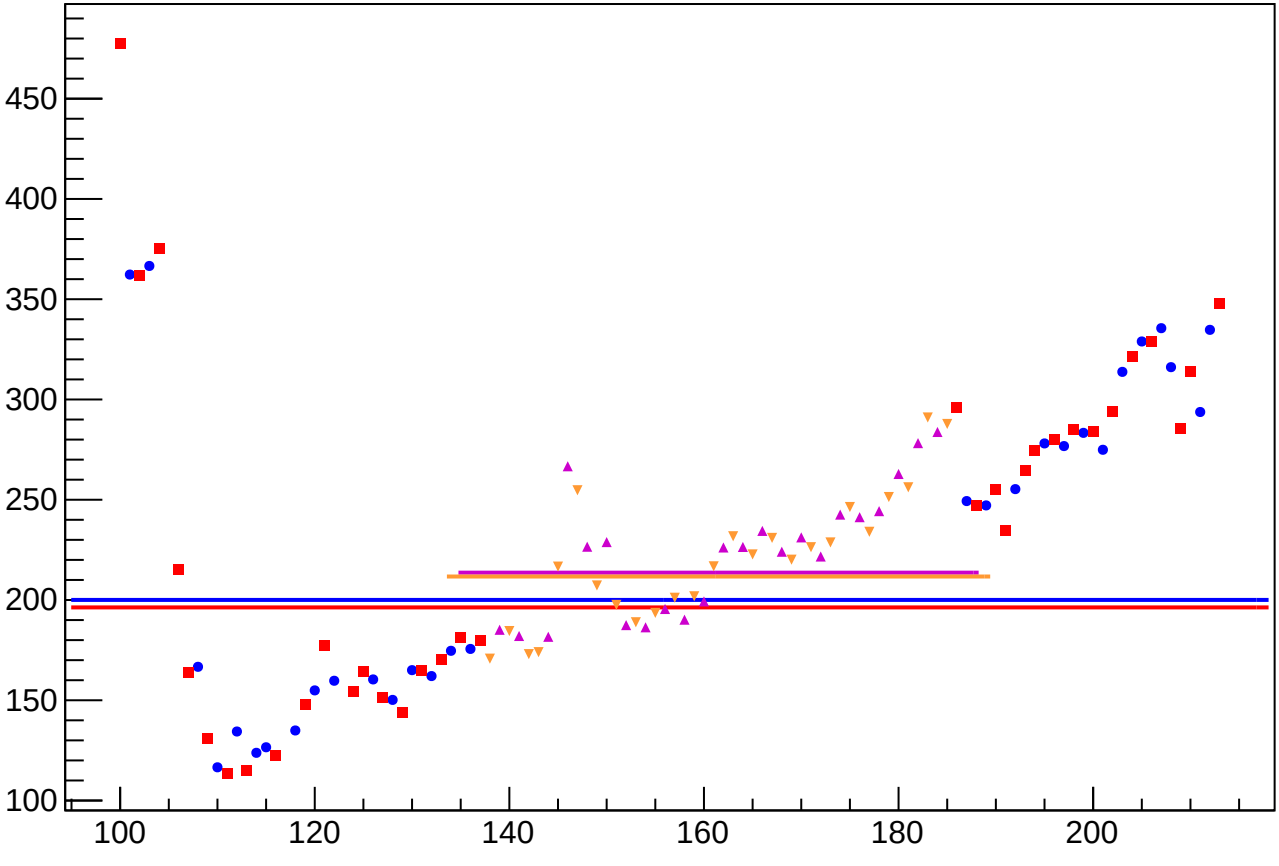
Right: 140615.599+/-0.036 χ^2/NDF: 6066607742.6/

In: 138833.666+/-0.036 χ^2/NDF:5968488402.1/51

Out: 138933.716+/-0.035 χ^2/NDF:6568051045.2/5

All: 138885.966+/-0.025 χ^2/NDF: 12540520

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 200.043+/-0.037 χ^2/NDF: 4029900.8/28

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

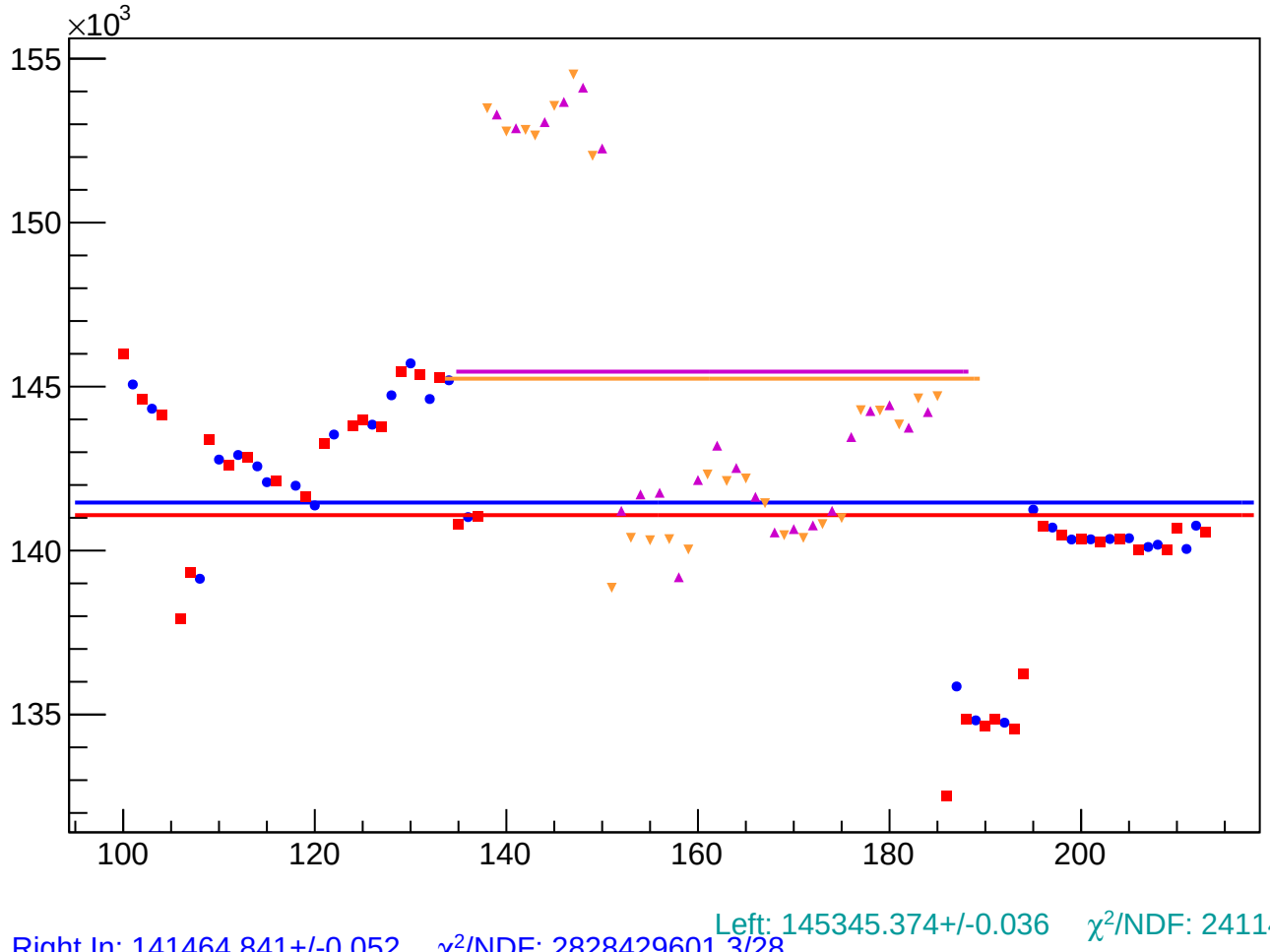
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 198.074+/-0.025 χ^2/NDF: 8811032.7/62

In: 206.939+/-0.026 χ^2/NDF:4721557.0/51

Out: 203.992+/-0.024 χ^2/NDF:5550114.2/58

All: 205.398+/-0.018 χ^2/NDF: 10278581.6/11



Right In: 141464.841+/-0.052 χ^2/NDF: 2828429601.3/28

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

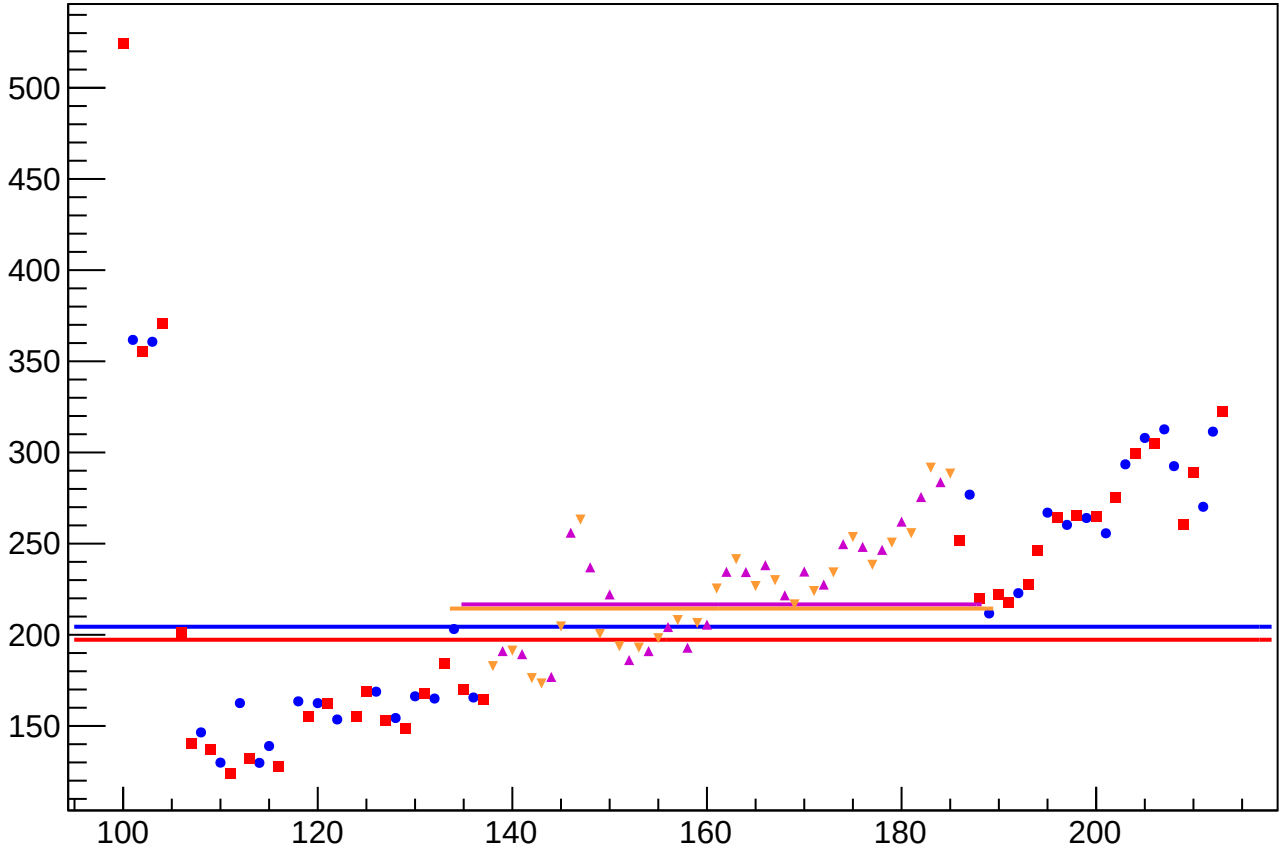
Right: 141259.108+/-0.035 χ^2/NDF: 7285612932.3

In: 143470.246+/-0.037 χ^2/NDF:16882052812.6/5

Out: 143102.930+/-0.035 χ^2/NDF:21076623815.8

All: 143276.429+/-0.025 χ^2/NDF: 380119431

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 204.423+/-0.037 χ^2/NDF: 2896030.5/28

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

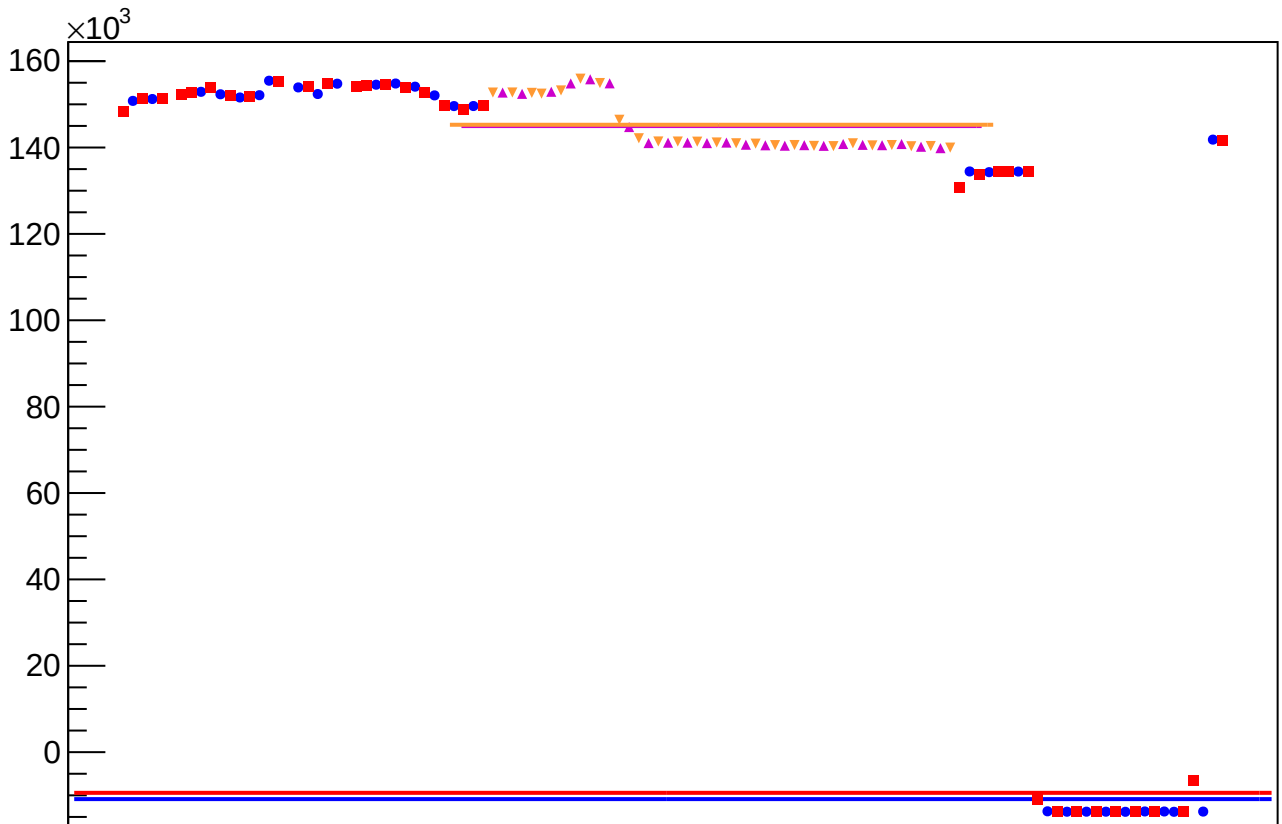
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 200.599+/-0.025 χ^2/NDF: 6376388.7/62

In: 210.568+/-0.026 χ^2/NDF:3539162.1/51

Out: 205.597+/-0.024 χ^2/NDF:4225607.8/58

All: 207.945+/-0.018 χ^2/NDF: 7784278.8/110



Right In: -10871.887+/-0.009 χ^2/NDF: 6079207157628.6/28

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

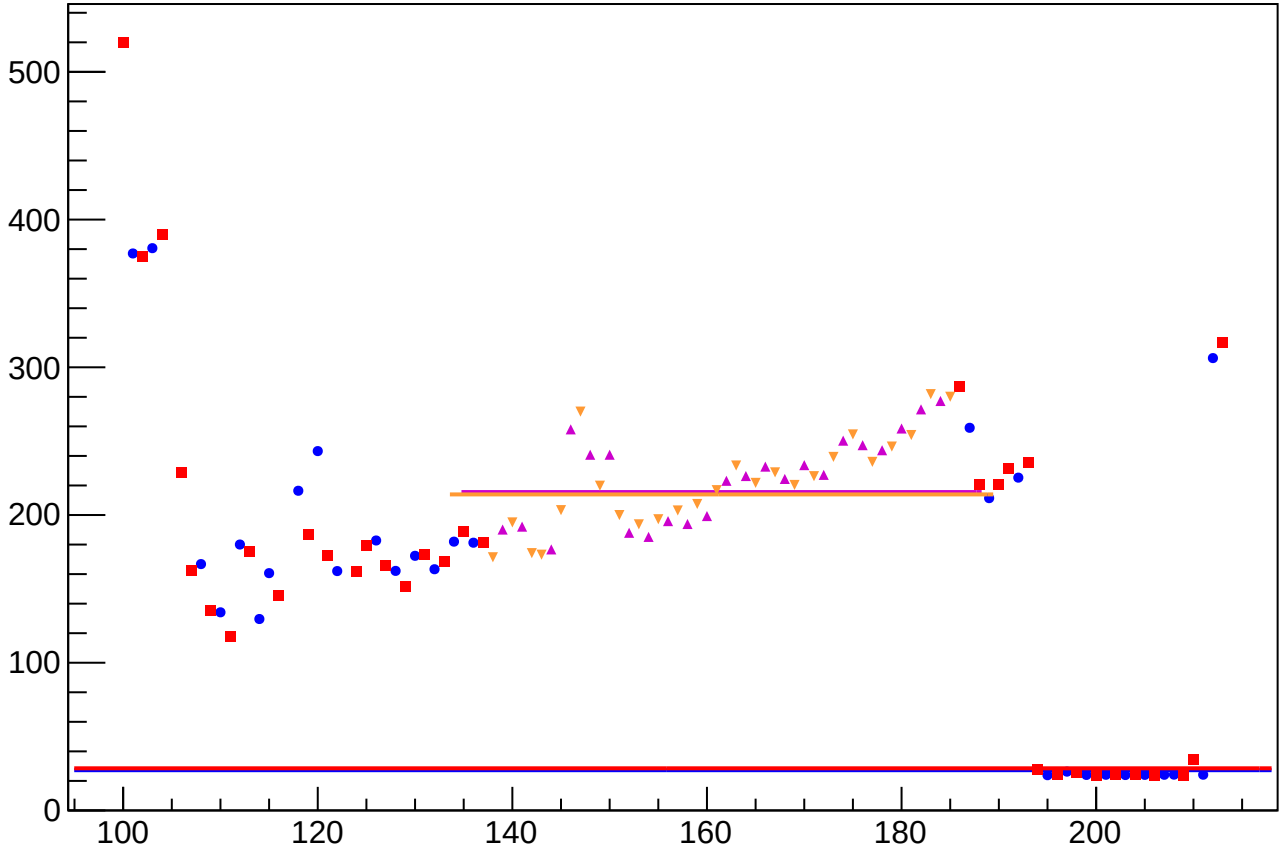
Right: -10196.382+/-0.006 χ^2/NDF: 134333009578

In: -6454.305+/-0.009 χ^2/NDF:15092464050294.5

Out: -4031.052+/-0.009 χ^2/NDF:16823588398949

All: -5323.575+/-0.006 χ^2/NDF: 3195291923

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.261+/-0.006 χ^2/NDF: 14008165.8/28

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

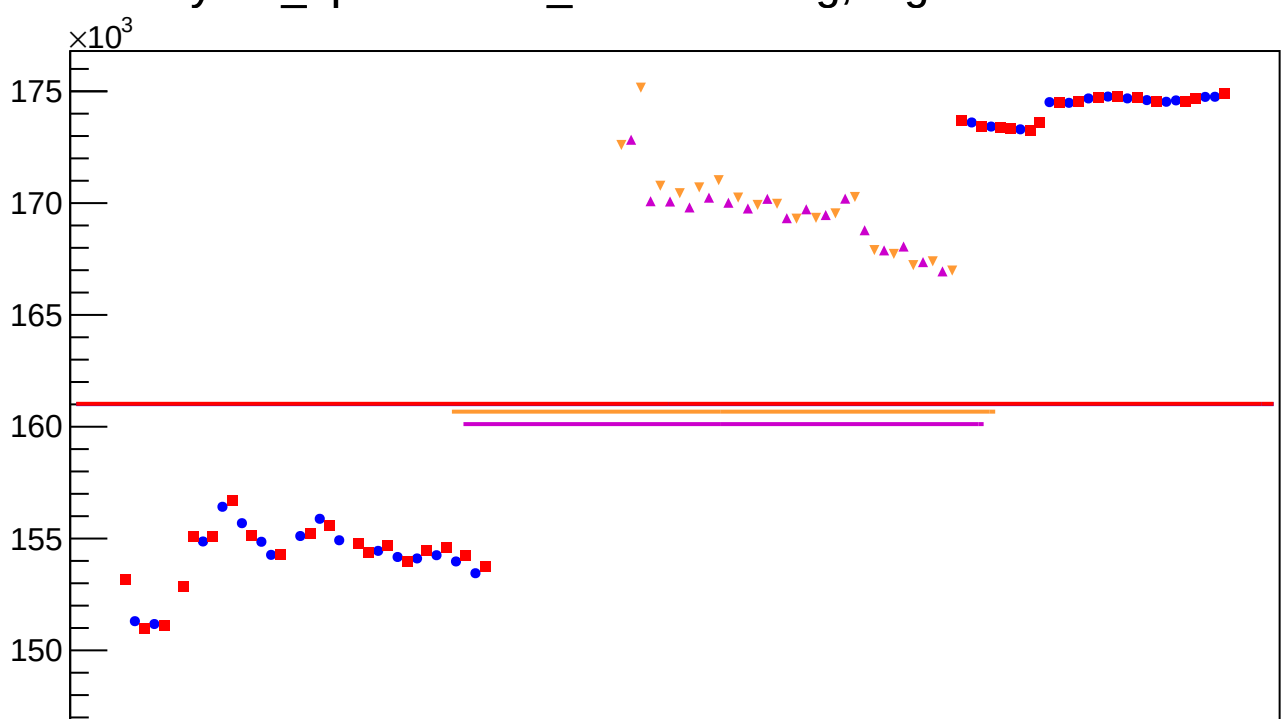
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 27.853+/-0.005 χ^2/NDF: 29974761.9/62

In: 32.598+/-0.006 χ^2/NDF:40882880.0/51

Out: 34.993+/-0.007 χ^2/NDF:43805299.9/58

All: 33.715+/-0.004 χ^2/NDF: 84760229.4/110



Right In: 161010.891+/-0.054 χ^2/NDF: 29332541468.9/28

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.

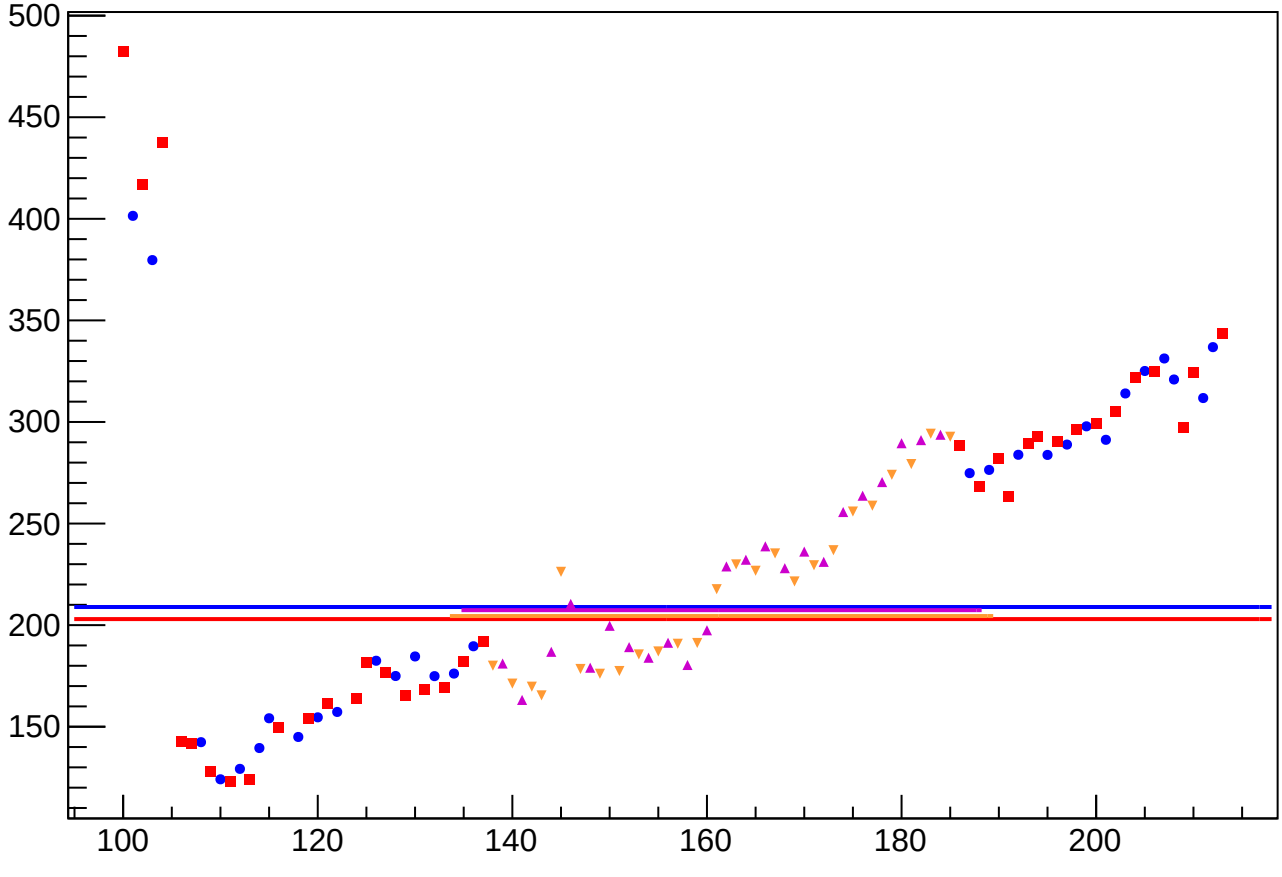
Right: 161018.390+/-0.037 χ^2/NDF: 62120771535.

In: 160526.257+/-0.036 χ^2/NDF:96035408741.0/5

Out: 160839.377+/-0.035 χ^2/NDF:106968979884.

All: 160691.116+/-0.025 χ^2/NDF: 20304338

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 208.923+/-0.038 χ^2/NDF: 4010358.2/28

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

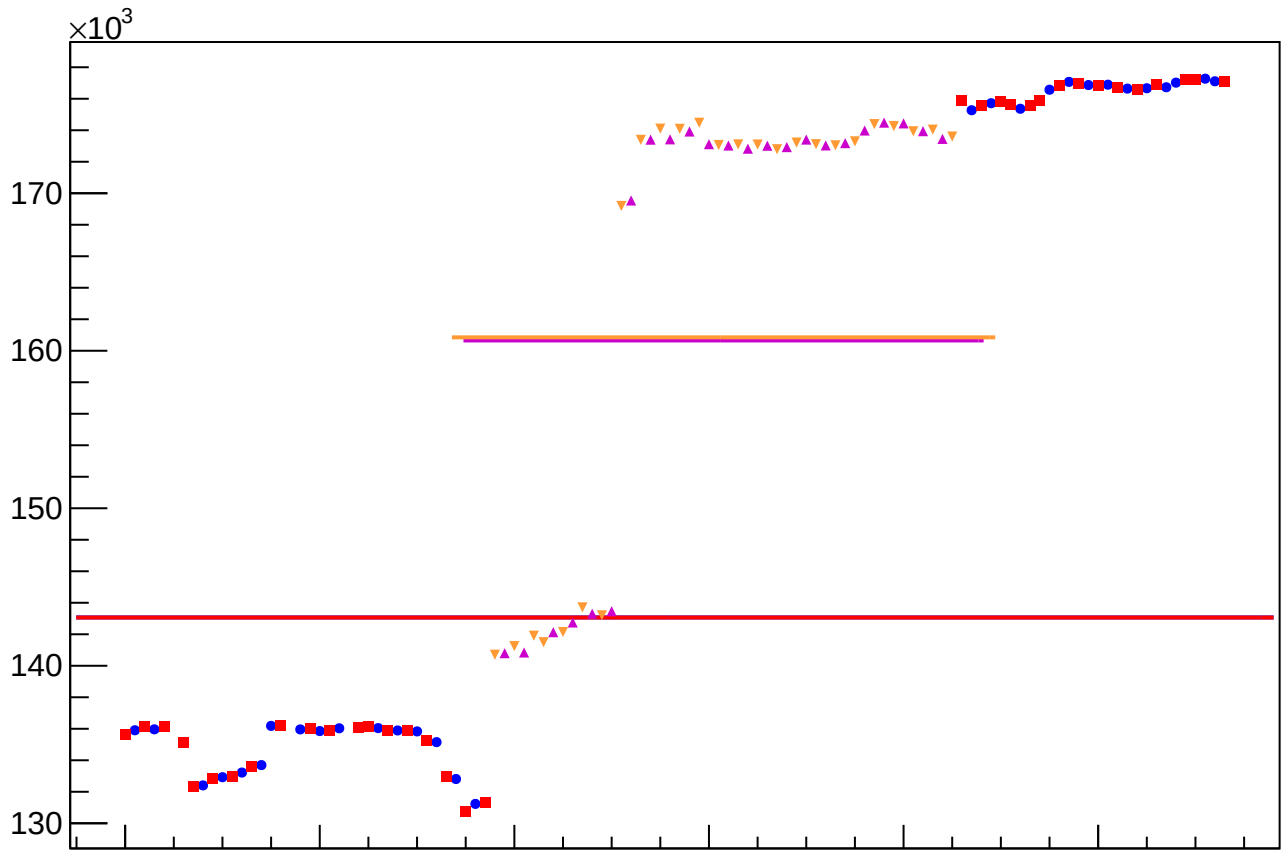
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 205.752+/-0.026 χ^2/NDF: 8874152.6/62

In: 208.080+/-0.026 χ^2/NDF:4967909.1/51

Out: 203.771+/-0.024 χ^2/NDF:5924895.9/58

All: 205.811+/-0.018 χ^2/NDF: 10907575.1/11



Right In: 143069.070+/-0.045 χ^2/NDF: 145289888206.6/28

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.

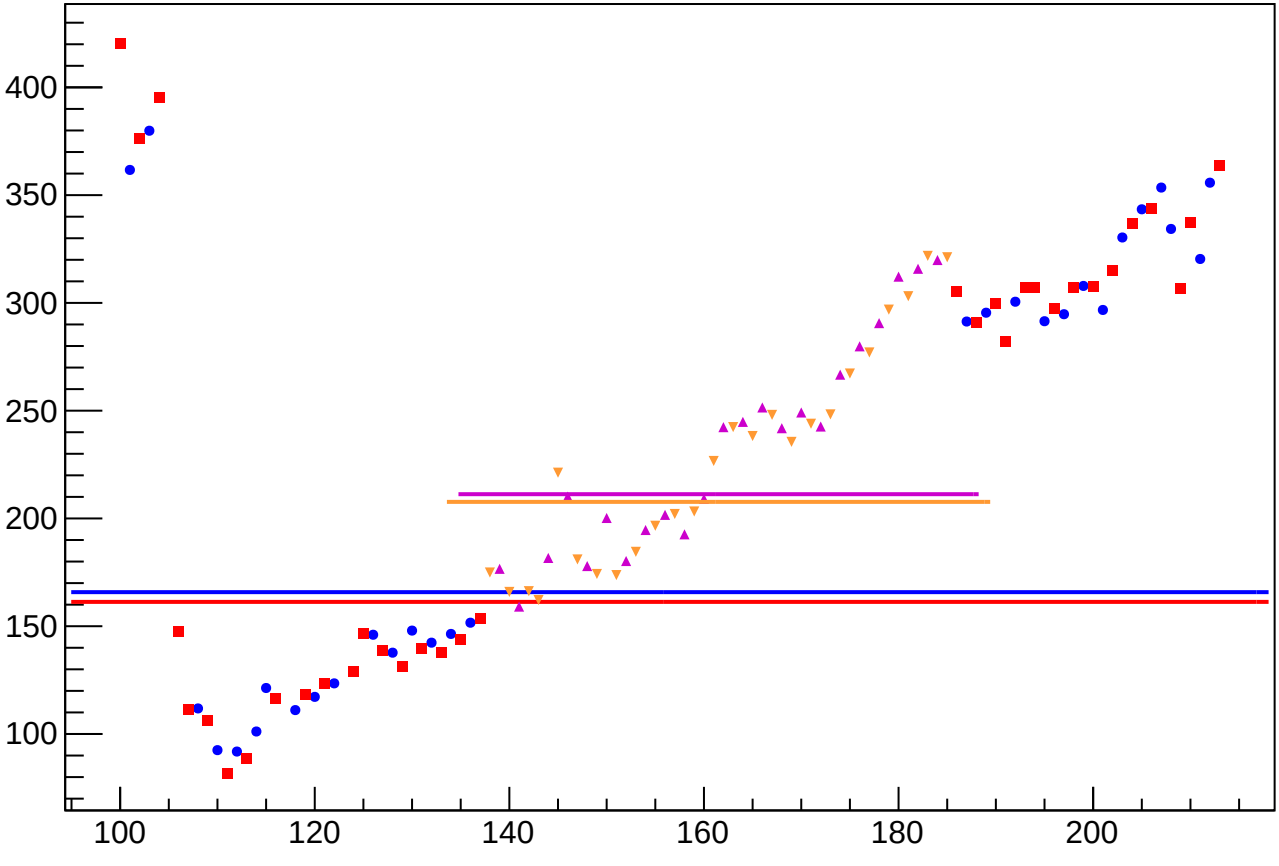
Right: 143065.048+/-0.031 χ^2/NDF: 309513980444

In: 150880.179+/-0.034 χ^2/NDF:302551814724.2

Out: 150832.364+/-0.032 χ^2/NDF:339417408461.

All: 150855.022+/-0.023 χ^2/NDF: 64197028

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 165.805+/-0.032 χ^2/NDF: 7322895.5/28

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

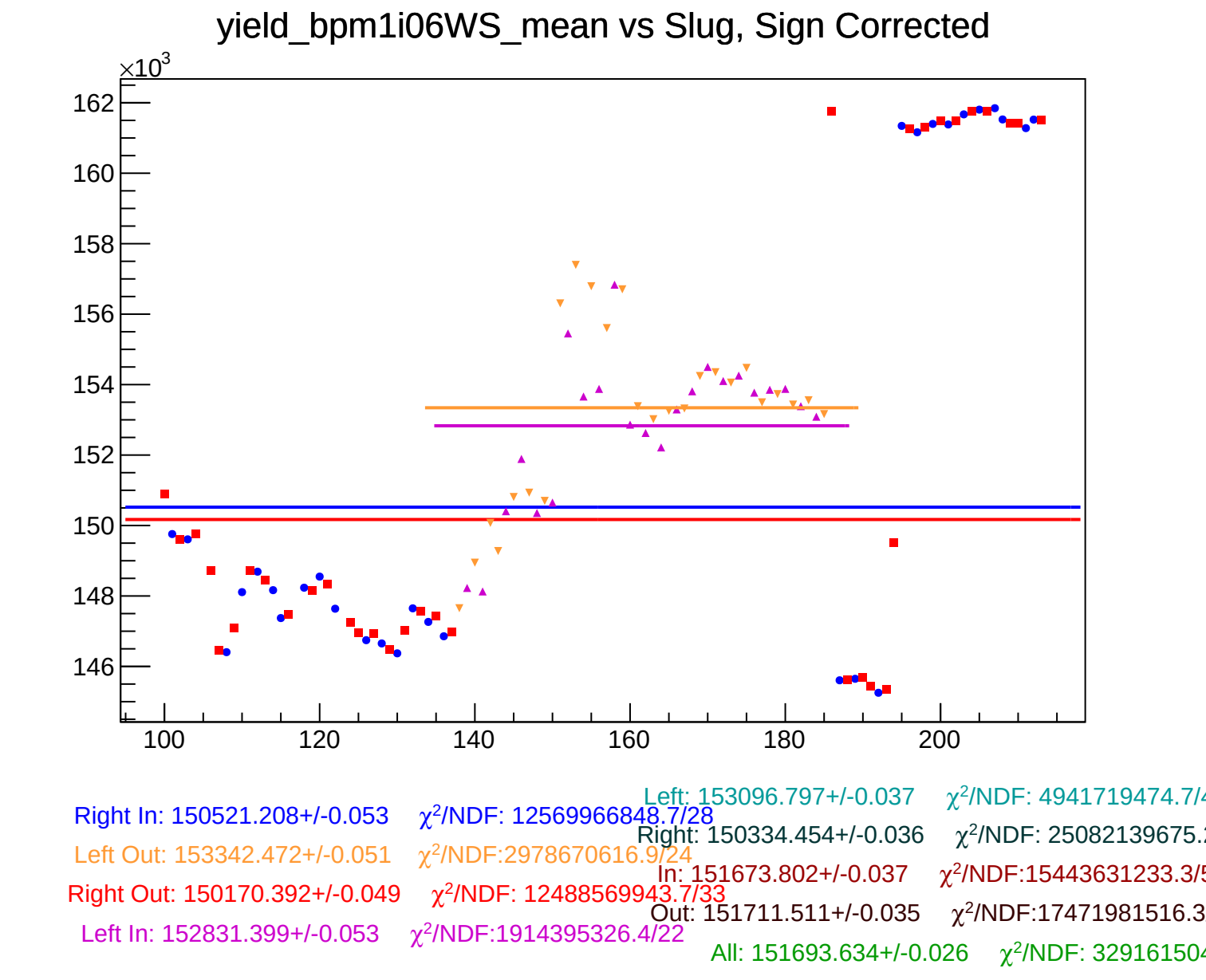
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 163.414+/-0.022 χ^2/NDF: 15883796.0/62

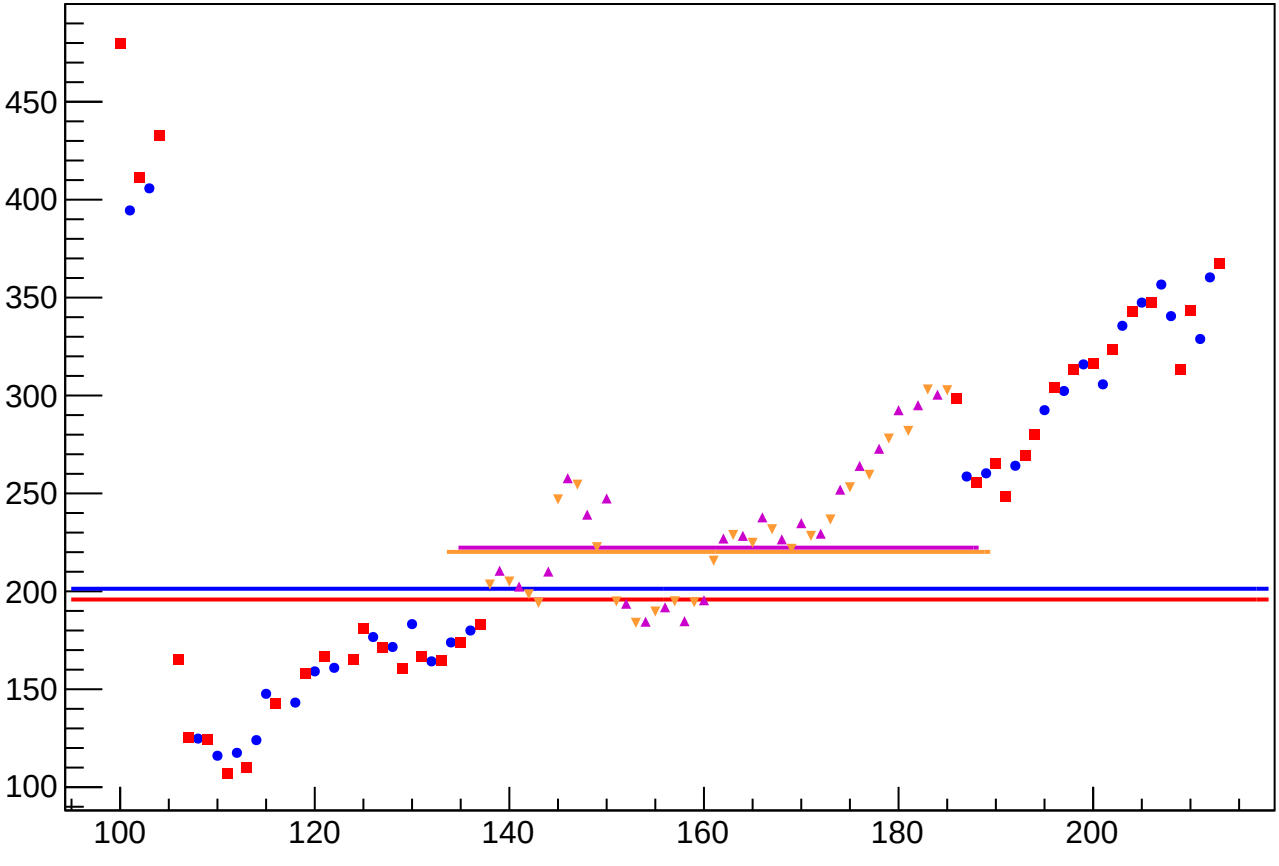
In: 185.993+/-0.024 χ^2/NDF:9525236.8/51

Out: 181.558+/-0.023 χ^2/NDF:11085005.1/58

All: 183.659+/-0.016 χ^2/NDF: 20628439.8/11


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: 150521.208+/-0.053 χ²/NDF: 12569966848.7/28
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: 150334.454+/-0.036 χ²/NDF: 25082139675.
In: 151673.802+/-0.037 χ²/NDF:15443631233.3/5
Out: 151711.511+/-0.035 χ²/NDF:17471981516.3
All: 151693.634+/-0.026 χ²/NDF: 32916150

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 201.319+/-0.037 χ^2/NDF: 4992545.4/28

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

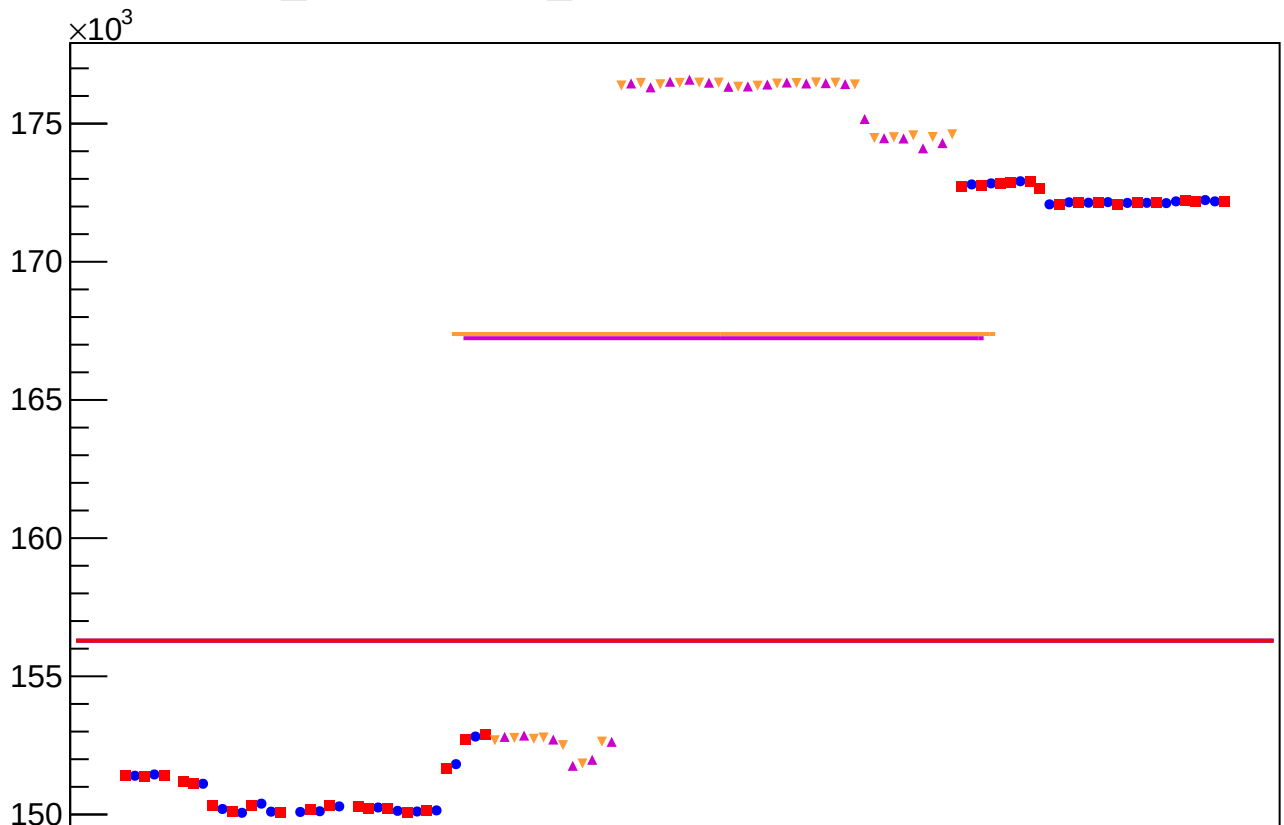
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 198.394+/-0.025 χ^2/NDF: 10804863.0/62

In: 211.789+/-0.026 χ^2/NDF:5848459.5/51

Out: 207.645+/-0.025 χ^2/NDF:6722235.0/58

All: 209.610+/-0.018 χ^2/NDF: 12583678.3/1



Right In: 156289.872+/-0.047 χ^2/NDF: 41912667599.7/28

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.

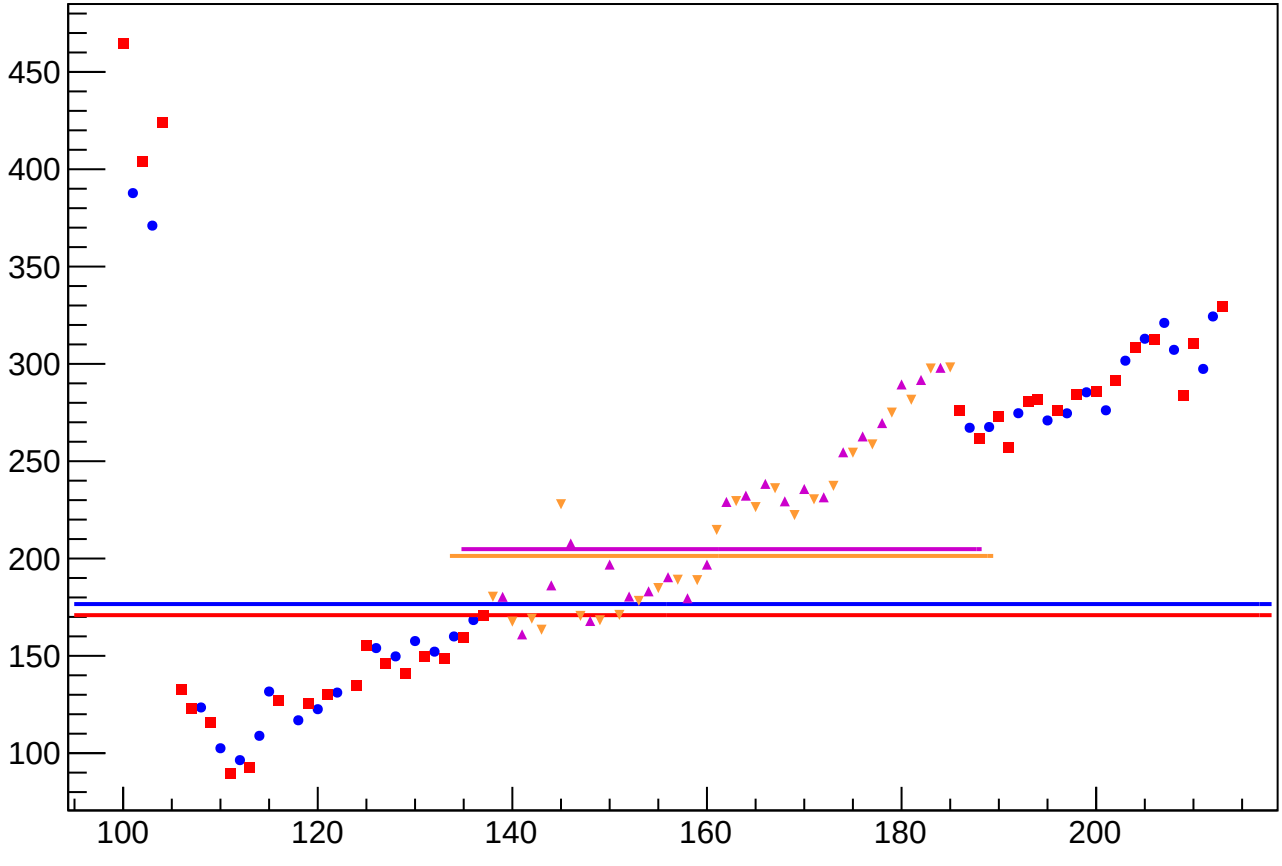
Right: 156290.859+/-0.032 χ^2/NDF: 90196781111.

In: 161533.390+/-0.034 χ^2/NDF:123135807181.5

Out: 161476.347+/-0.032 χ^2/NDF:137903568292.

All: 161503.240+/-0.023 χ^2/NDF: 26104087

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 176.598+/-0.033 χ^2/NDF: 5721096.5/28

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

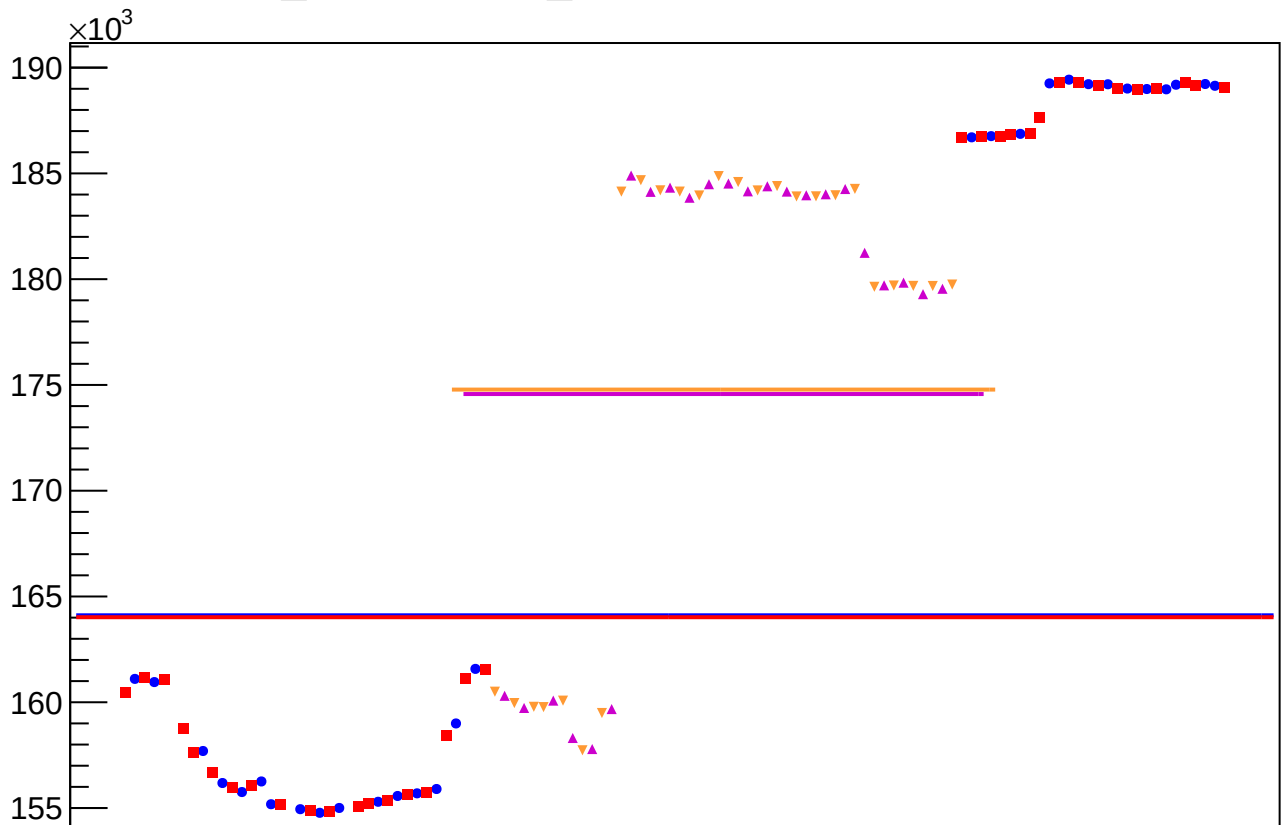
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 173.556+/-0.023 χ^2/NDF: 12553185.8/62

In: 190.122+/-0.024 χ^2/NDF:7121787.6/51

Out: 185.122+/-0.023 χ^2/NDF:8498553.4/58

All: 187.479+/-0.016 χ^2/NDF: 15643443.2/11



Right In: 164110.464+/-0.050 χ^2/NDF: 77628360216.1/28

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.

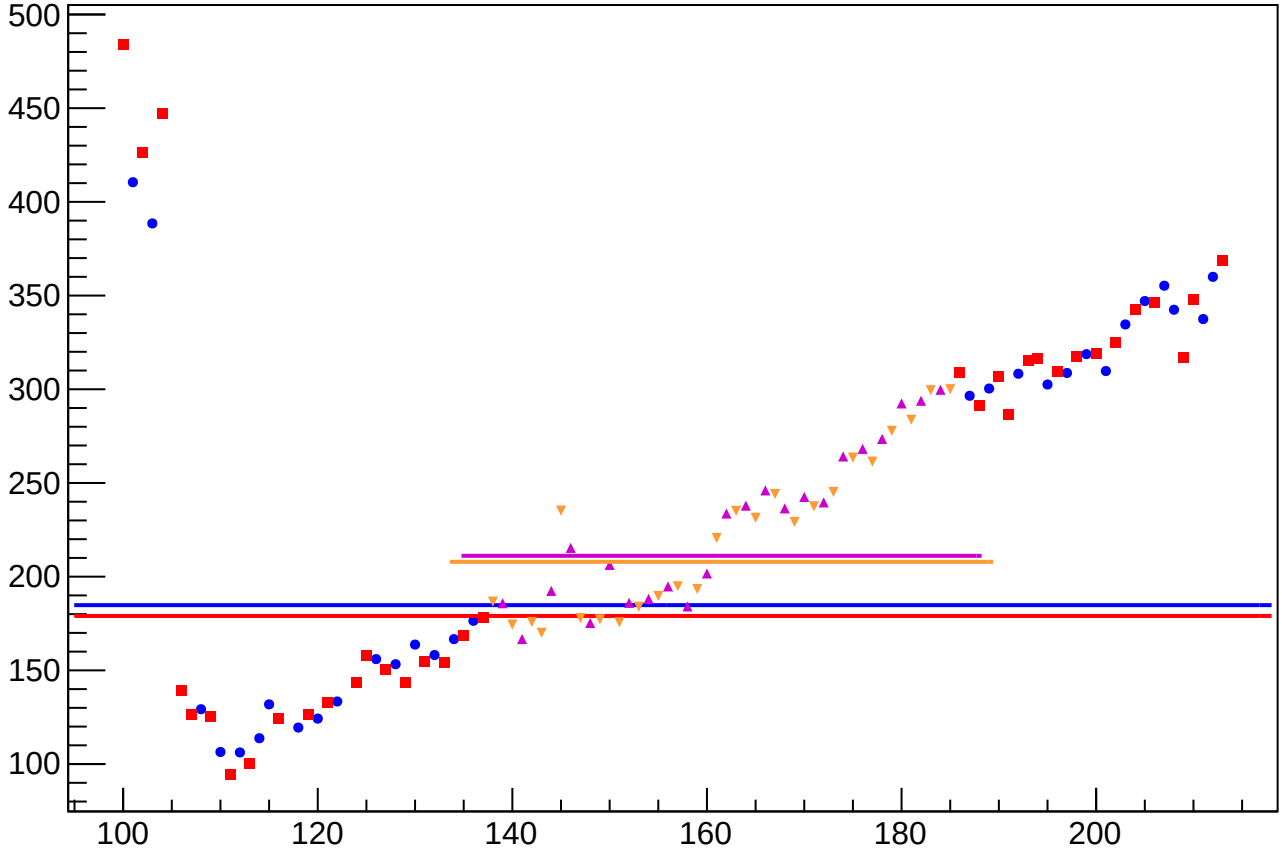
Right: 164062.115+/-0.034 χ^2/NDF: 16435003747

In: 169267.320+/-0.035 χ^2/NDF:154277064813.5

Out: 169196.246+/-0.033 χ^2/NDF:170712260225.

All: 169229.812+/-0.024 χ^2/NDF: 32499145

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 184.806+/-0.035 χ^2/NDF: 6386904.8/28

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

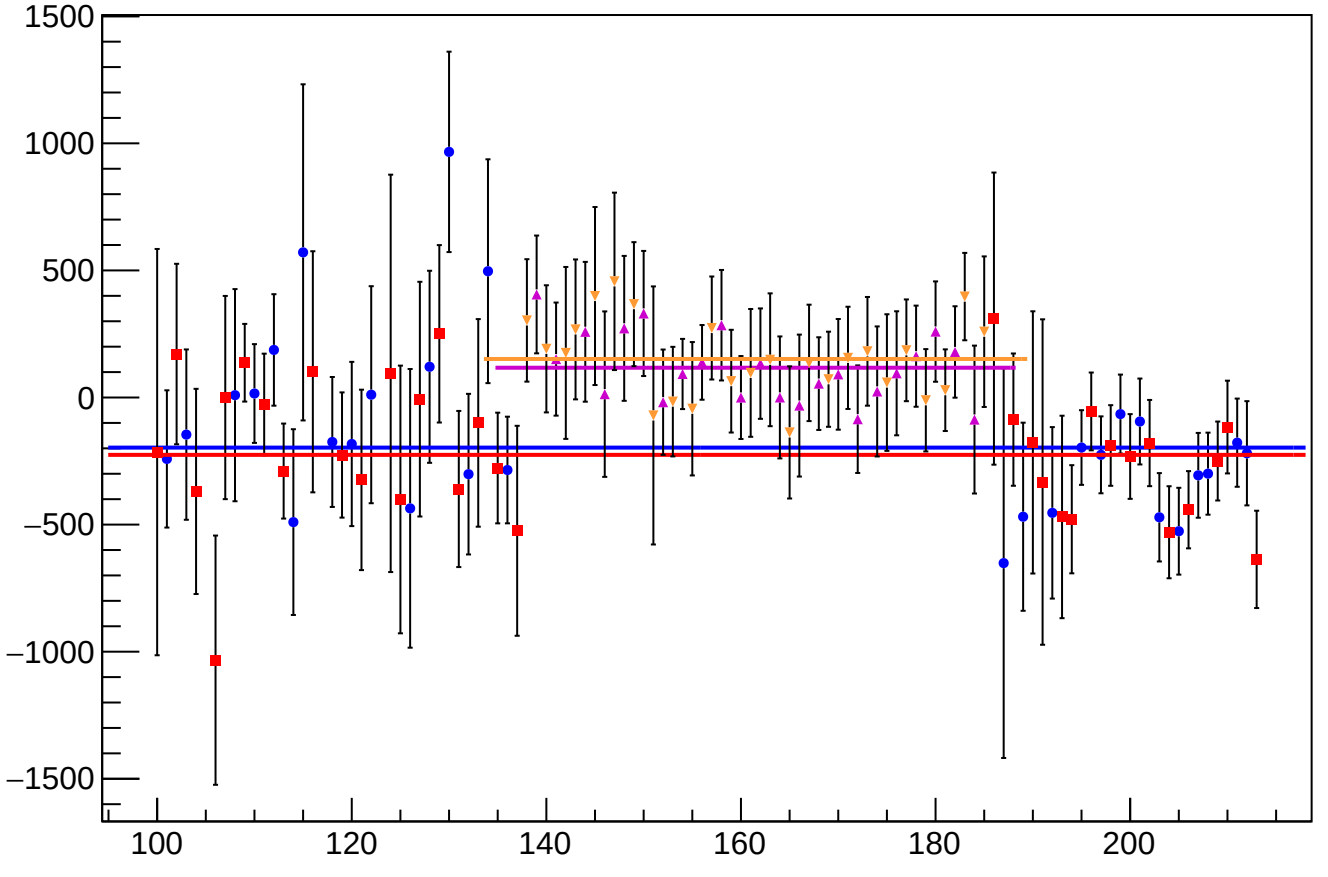
Right: 181.732+/-0.024 χ^2/NDF: 13942707.3/62

In: 197.786+/-0.025 χ^2/NDF:7658009.2/51

Out: 192.944+/-0.024 χ^2/NDF:9046477.8/58

All: 195.231+/-0.017 χ^2/NDF: 16724297.4/1

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -197.078+/-42.507 χ^2/NDF: 28.8/28

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

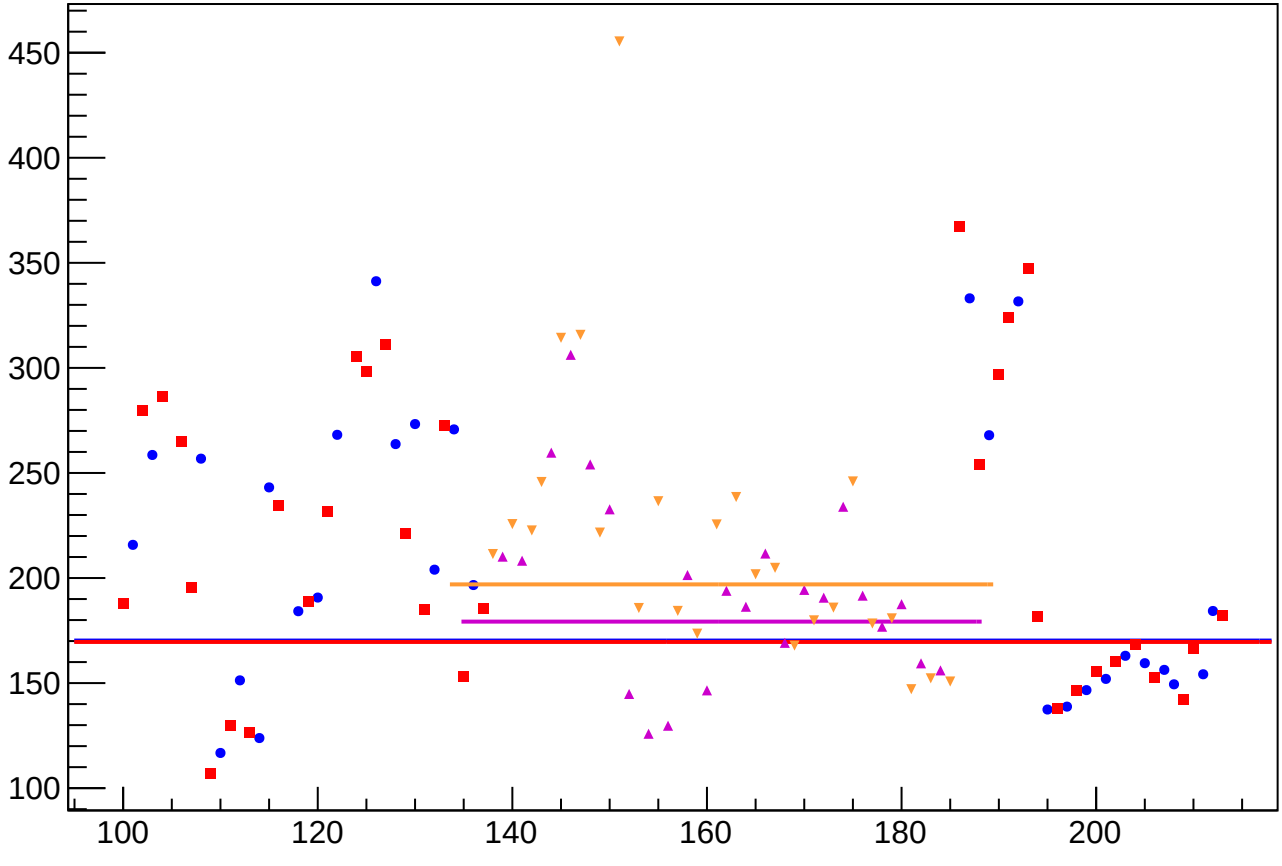
Right: -211.838+/-29.556 χ^2/NDF: 58.2/62

In: -44.585+/-30.496 χ^2/NDF:62.8/51

Out: -59.763+/-30.782 χ^2/NDF:75.7/58

All: -52.103+/-21.664 χ^2/NDF: 138.7/110

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 170.240+/-0.030 χ^2/NDF: 2265131.8/28

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

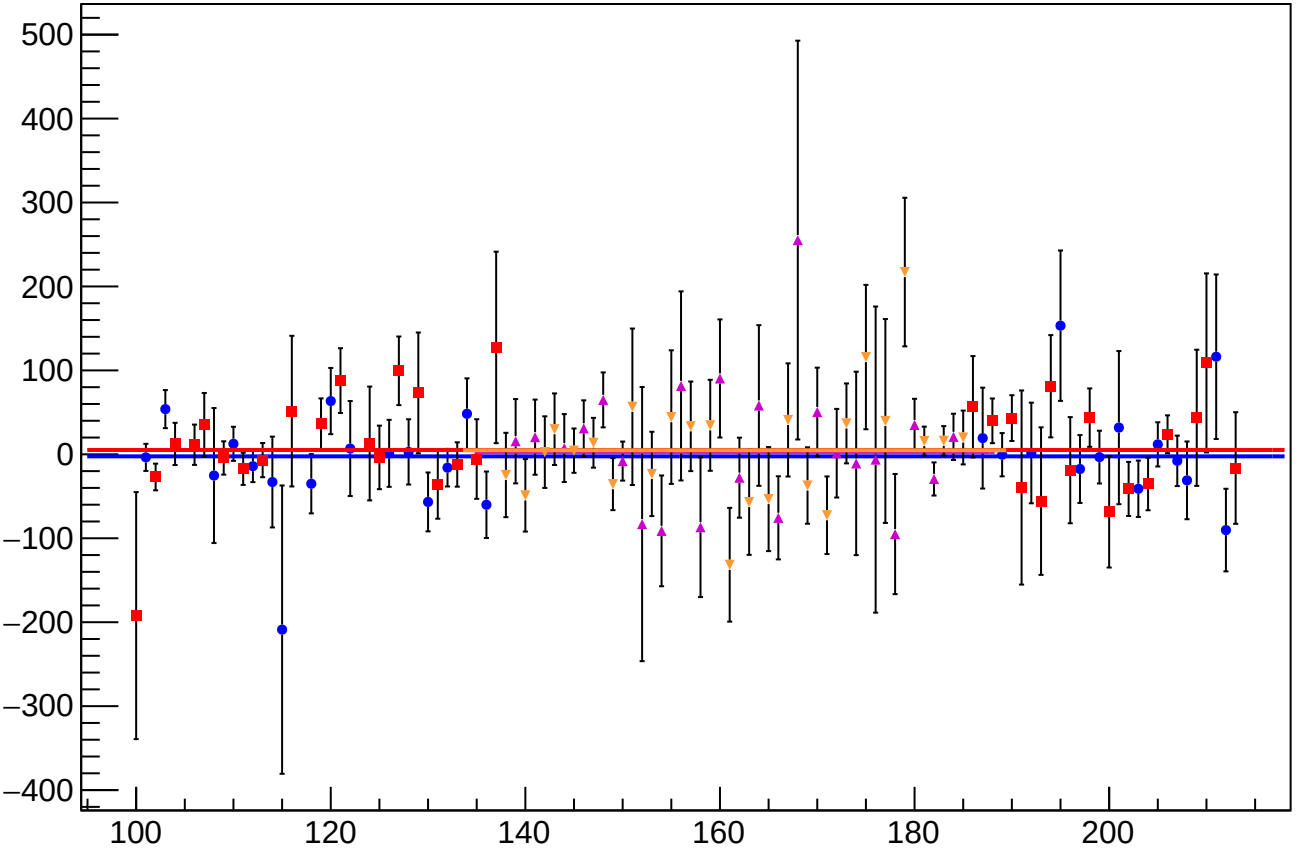
Right: 169.901+/-0.021 χ^2/NDF: 5237463.9/62

In: 174.615+/-0.022 χ^2/NDF:3964821.4/51

Out: 181.629+/-0.022 χ^2/NDF:5171547.7/58

All: 178.089+/-0.015 χ^2/NDF: 9188777.9/110

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -2.415+/-6.096 χ^2/NDF: 29.1/28

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

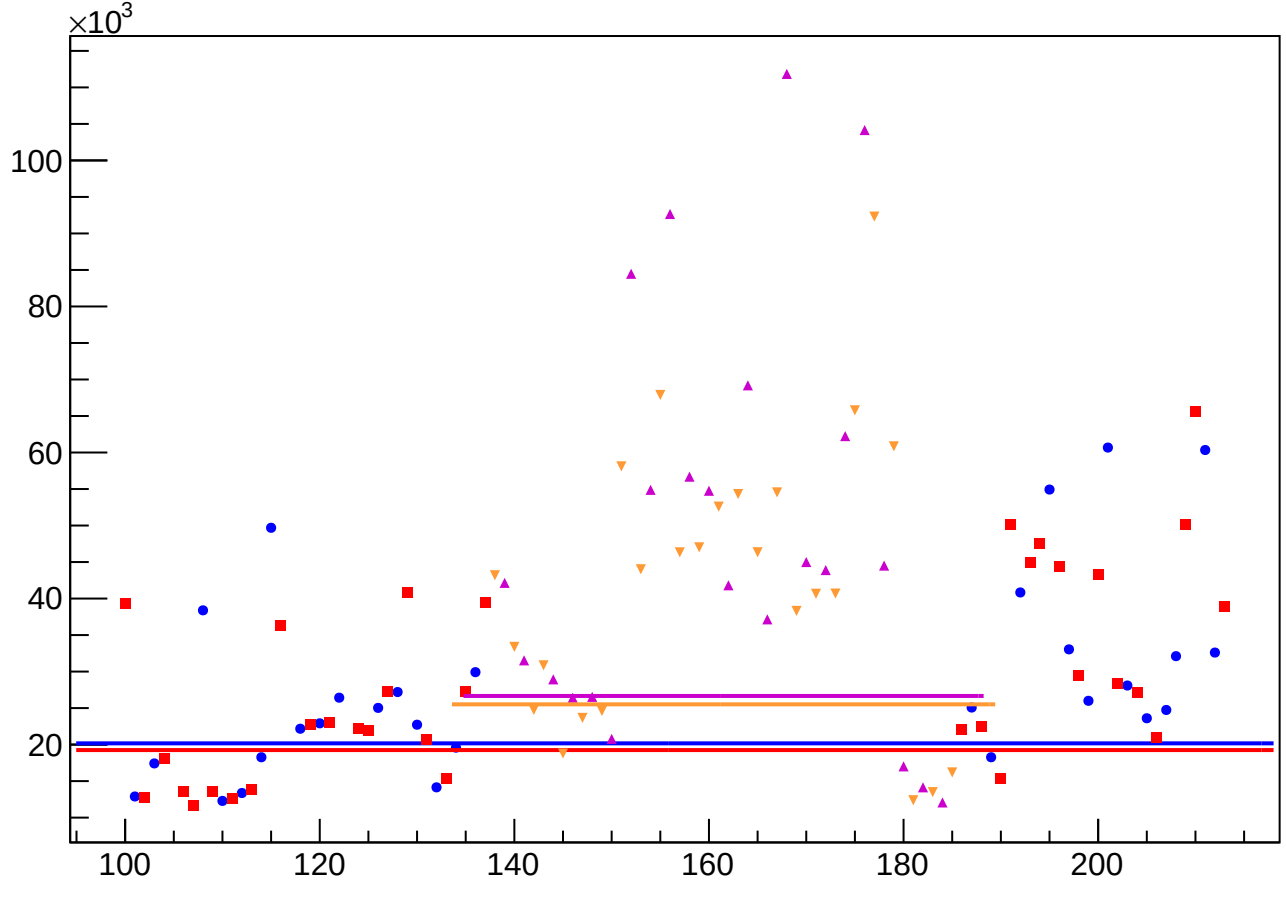
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 1.665+/-4.154 χ^2/NDF: 68.2/62

In: -0.696+/-5.019 χ^2/NDF:50.8/51

Out: 5.059+/-4.548 χ^2/NDF:62.6/58

All: 2.464+/-3.370 χ^2/NDF: 114.2/110



Right In: 20171.611+/-4.311 χ^2/NDF: 3586862.3/28

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 19250.249+/-4.013 χ^2/NDF: 4377533.1/33

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

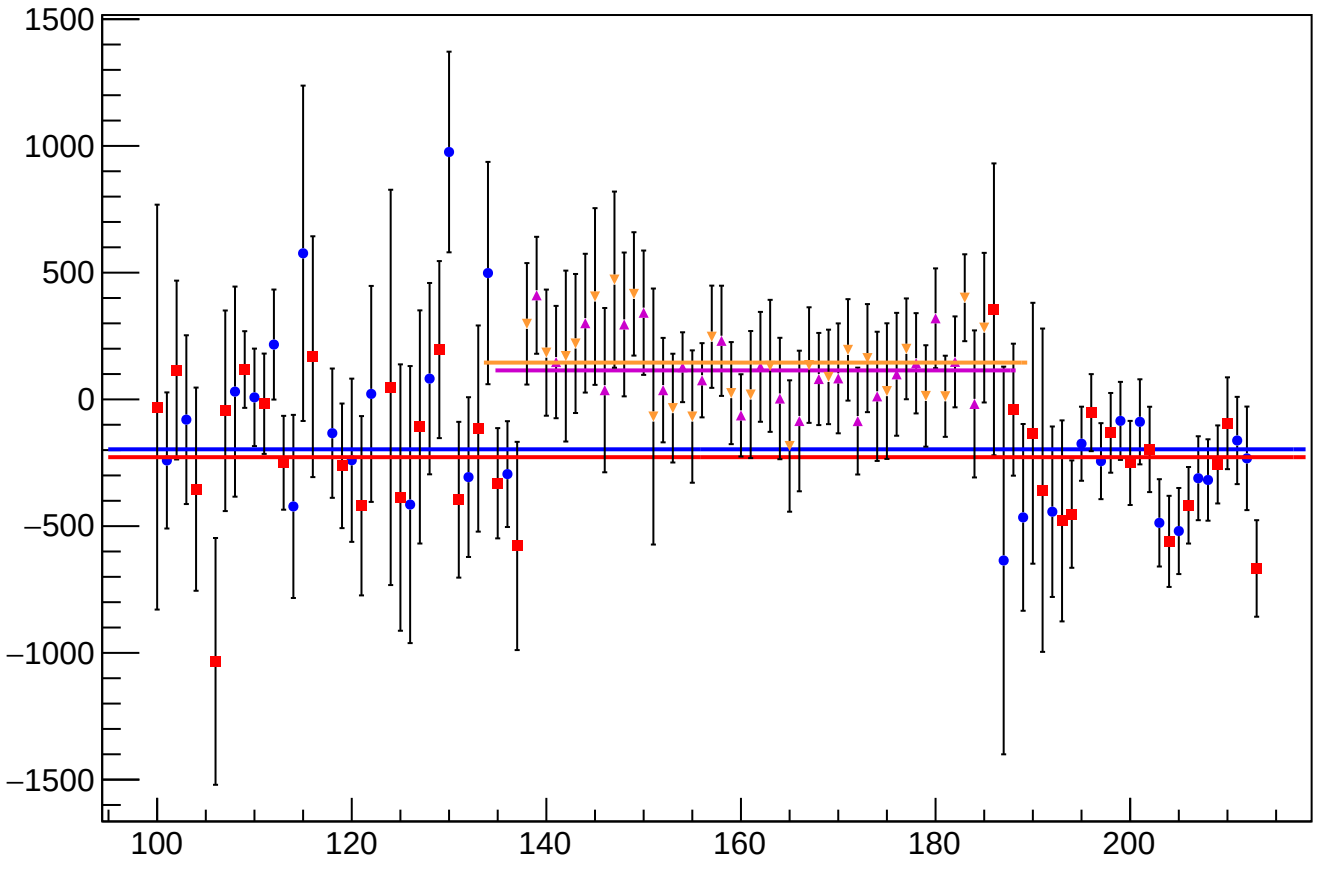
Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

Right: 19678.020+/-2.937 χ^2/NDF: 7988867.8/62

In: 22263.088+/-3.549 χ^2/NDF:10200401.5/51

Out: 21491.854+/-3.216 χ^2/NDF:12991755.0/58

All: 21839.581+/-2.383 χ^2/NDF: 23218091.6



Right In: -196.875+/-42.230 χ^2/NDF: 29.7/28

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

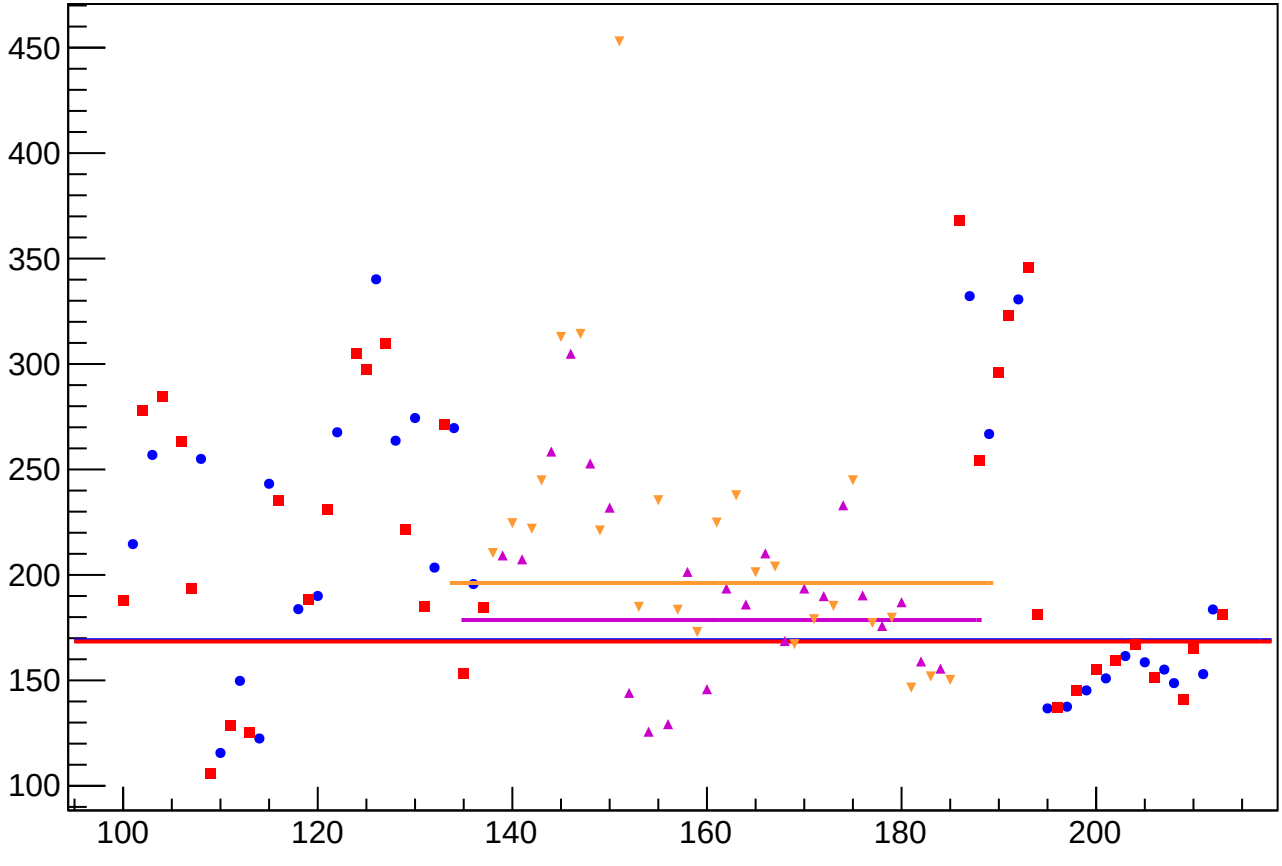
Right: -212.916+/-29.366 χ^2/NDF: 60.3/62

In: -46.274+/-30.340 χ^2/NDF:64.3/51

Out: -64.262+/-30.616 χ^2/NDF:78.1/58

All: -55.187+/-21.551 χ^2/NDF: 142.6/110

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 169.054+/-0.030 χ^2/NDF: 2295278.2/28

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

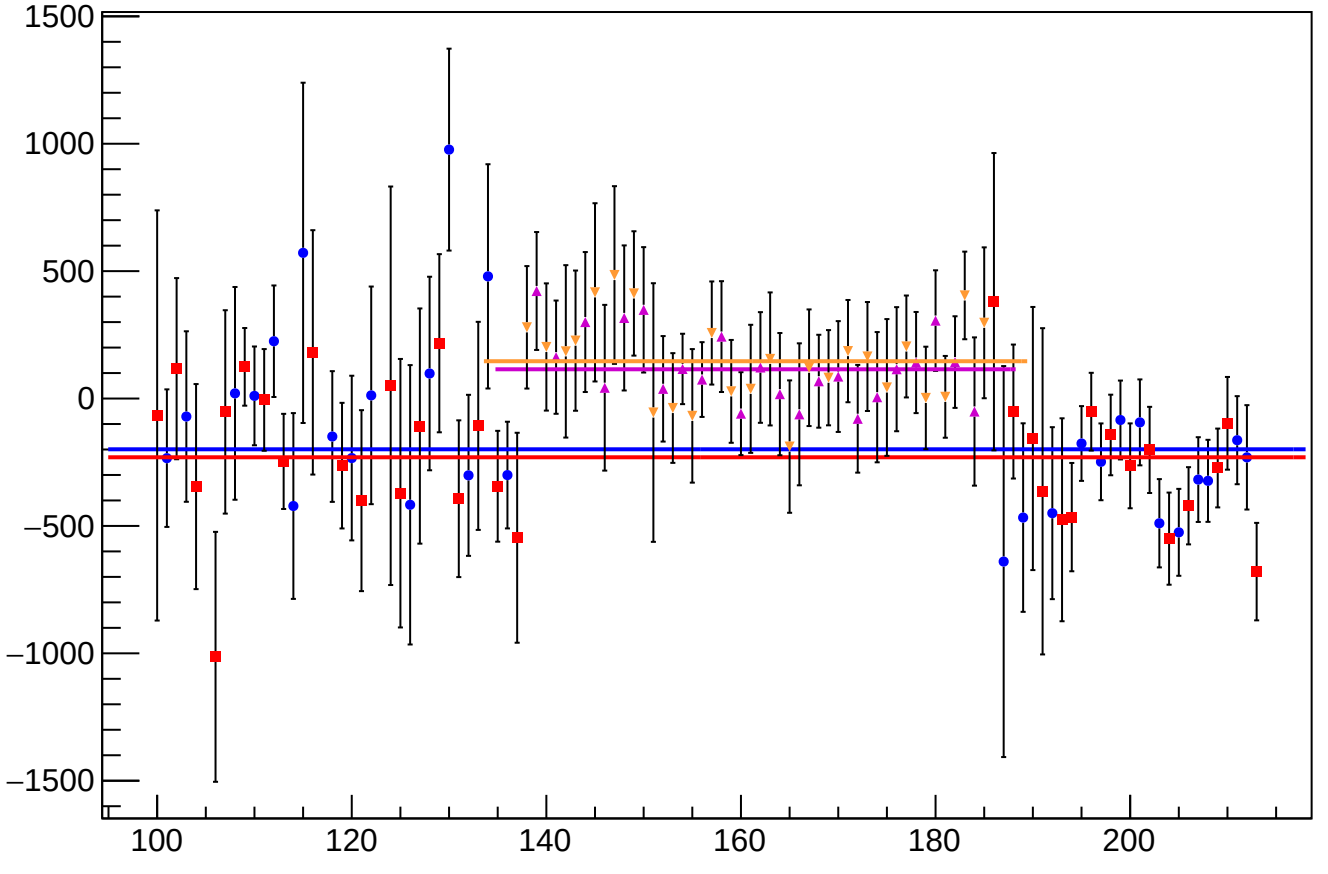
Right: 168.728+/-0.021 χ^2/NDF: 5306312.7/62

In: 173.682+/-0.021 χ^2/NDF:3996815.2/51

Out: 180.593+/-0.022 χ^2/NDF:5222023.1/58

All: 177.107+/-0.015 χ^2/NDF: 9270252.8/110

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -199.200+/-42.430 χ^2/NDF: 29.8/28

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

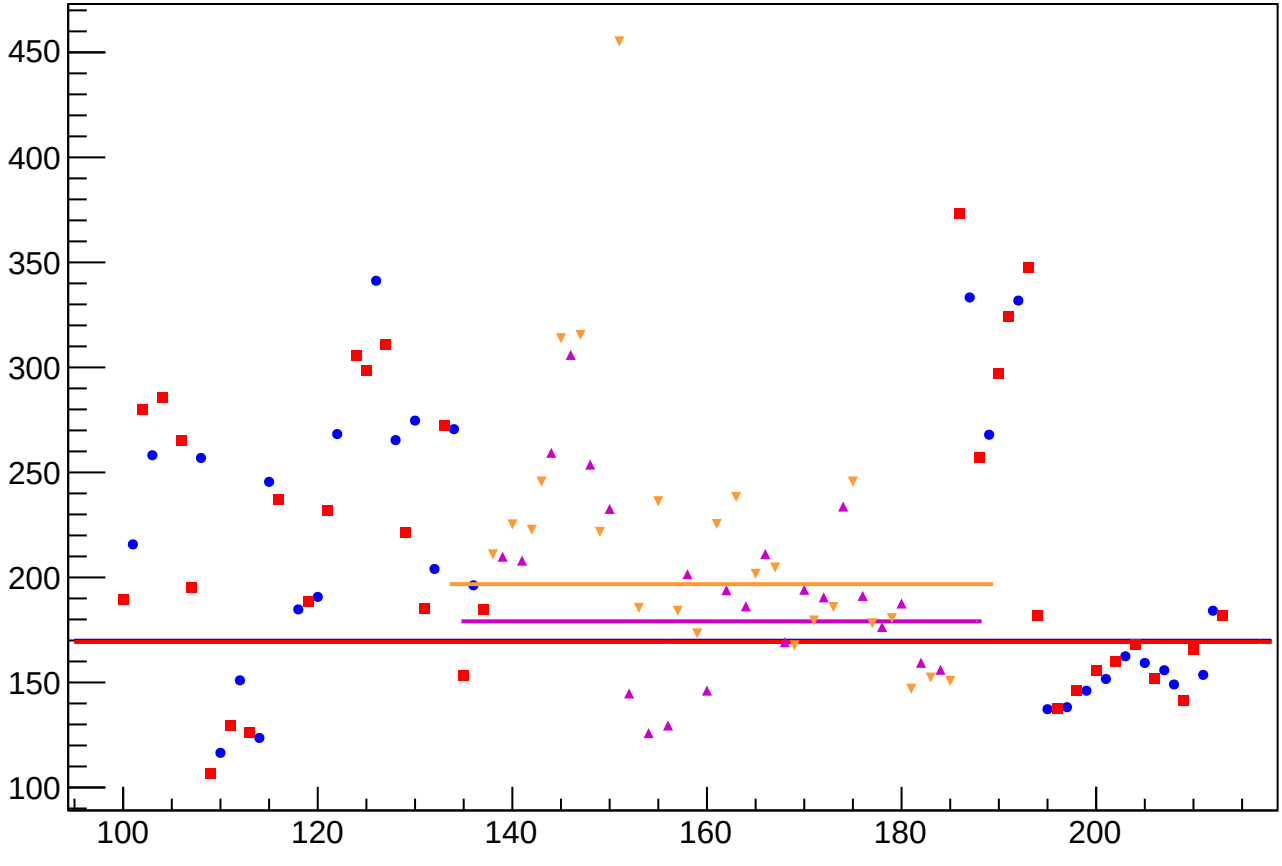
Right: -215.386+/-29.510 χ^2/NDF: 60.5/62

In: -46.970+/-30.455 χ^2/NDF:64.7/51

Out: -64.864+/-30.748 χ^2/NDF:78.9/58

All: -55.831+/-21.638 χ^2/NDF: 143.8/110

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 169.874+/-0.030 χ^2/NDF: 2287401.2/28

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

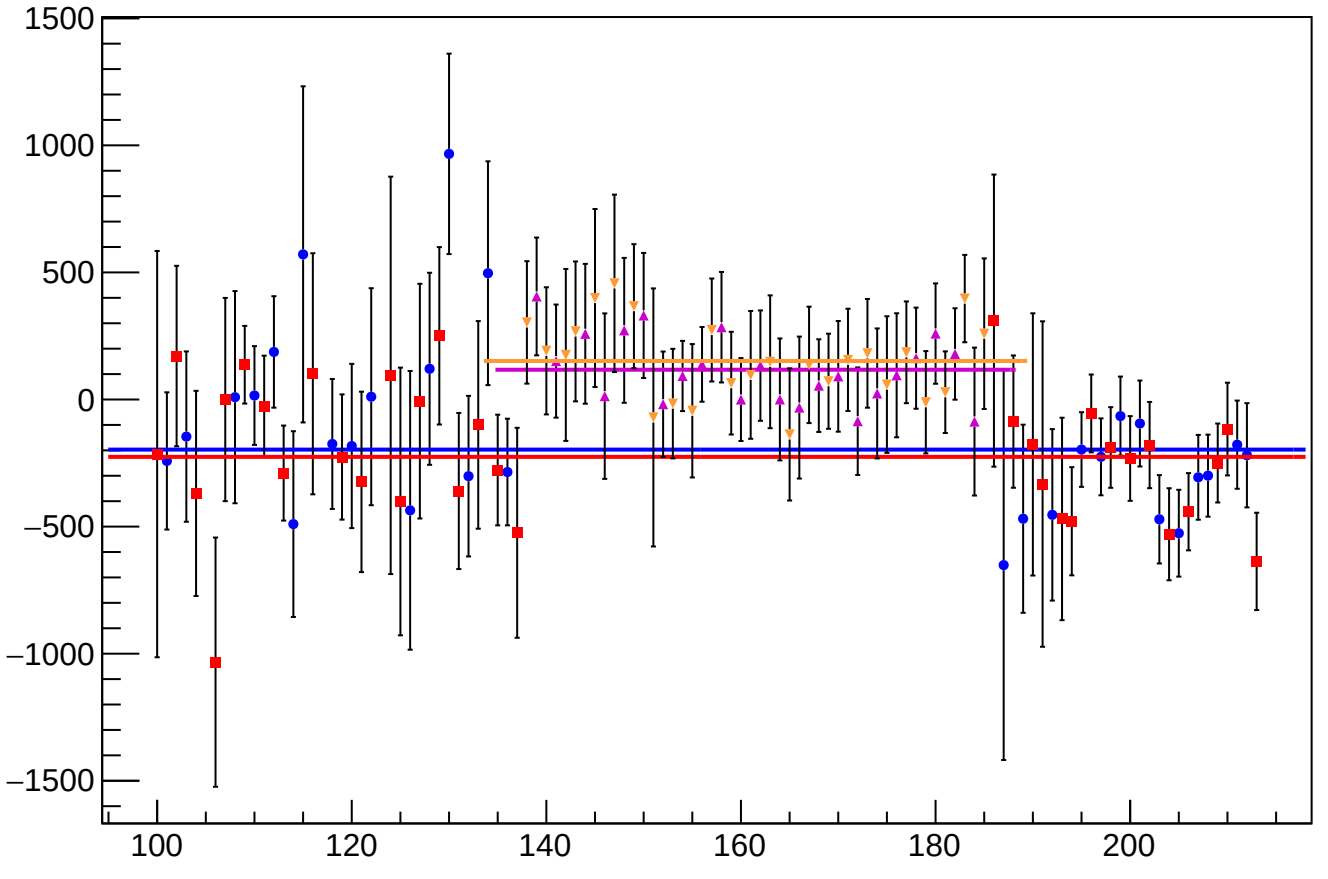
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 169.566+/-0.021 χ^2/NDF: 5295831.3/62

In: 174.347+/-0.022 χ^2/NDF:3989117.2/51

Out: 181.377+/-0.022 χ^2/NDF:5211736.8/58

All: 177.828+/-0.015 χ^2/NDF: 9253620.7/110



Right In: -197.078+/-42.507 χ^2/NDF: 28.8/28

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

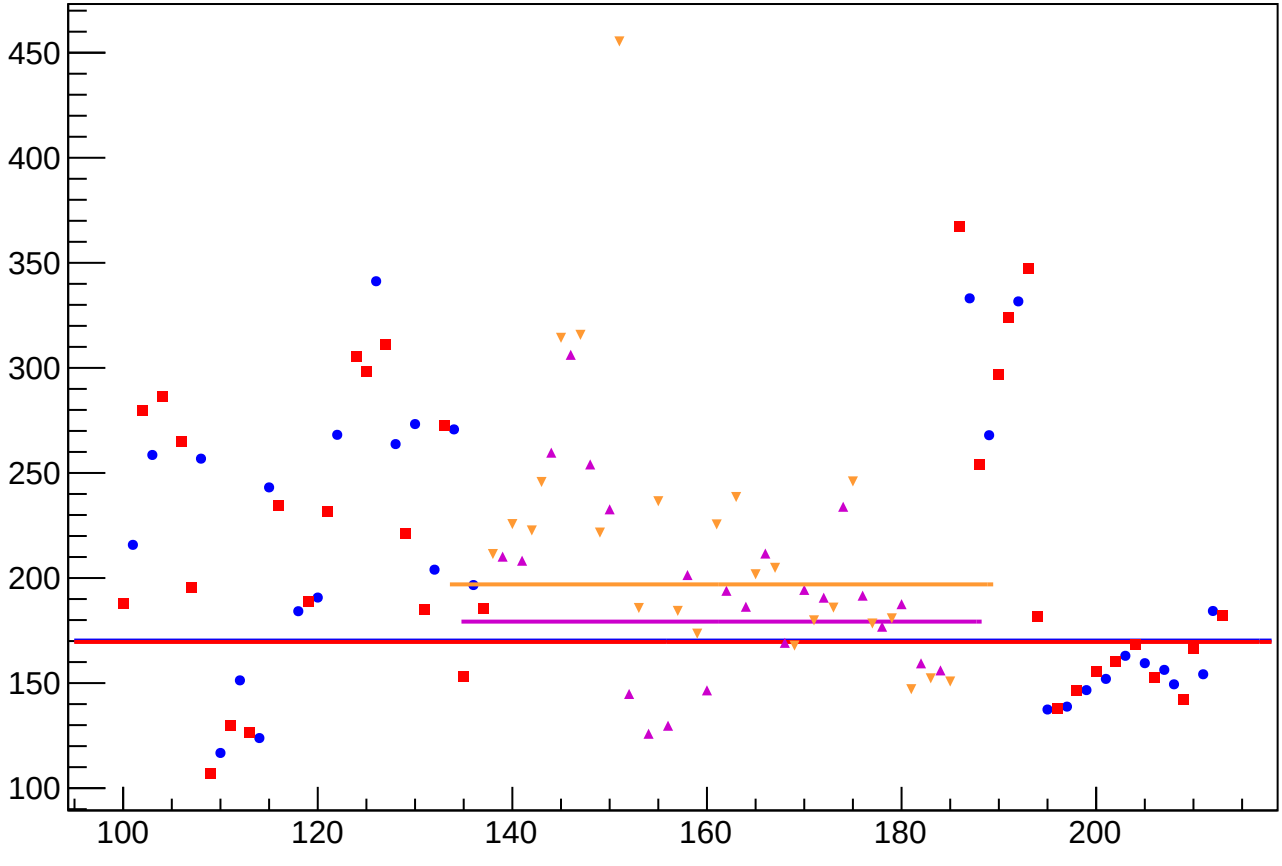
Right: -211.838+/-29.556 χ^2/NDF: 58.2/62

In: -44.585+/-30.496 χ^2/NDF:62.8/51

Out: -59.763+/-30.782 χ^2/NDF:75.7/58

All: -52.103+/-21.664 χ^2/NDF: 138.7/110

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 170.240+/-0.030 χ^2/NDF: 2265131.8/28

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

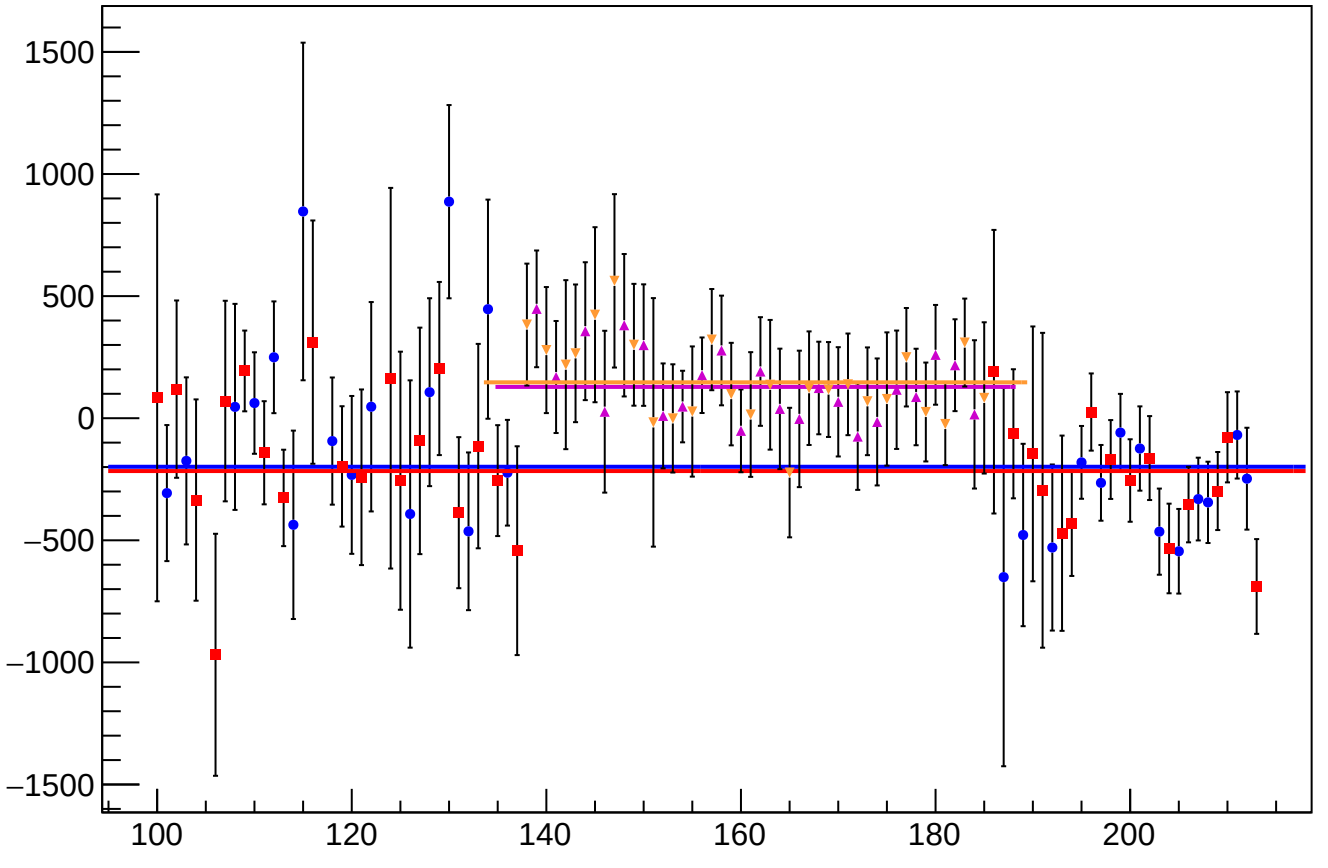
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 169.901+/-0.021 χ^2/NDF: 5237463.9/62

In: 174.615+/-0.022 χ^2/NDF:3964821.4/51

Out: 181.629+/-0.022 χ^2/NDF:5171547.7/58

All: 178.089+/-0.015 χ^2/NDF: 9188777.9/110



Right In: -198.802+/-43.507 χ^2/NDF: 31.3/28

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

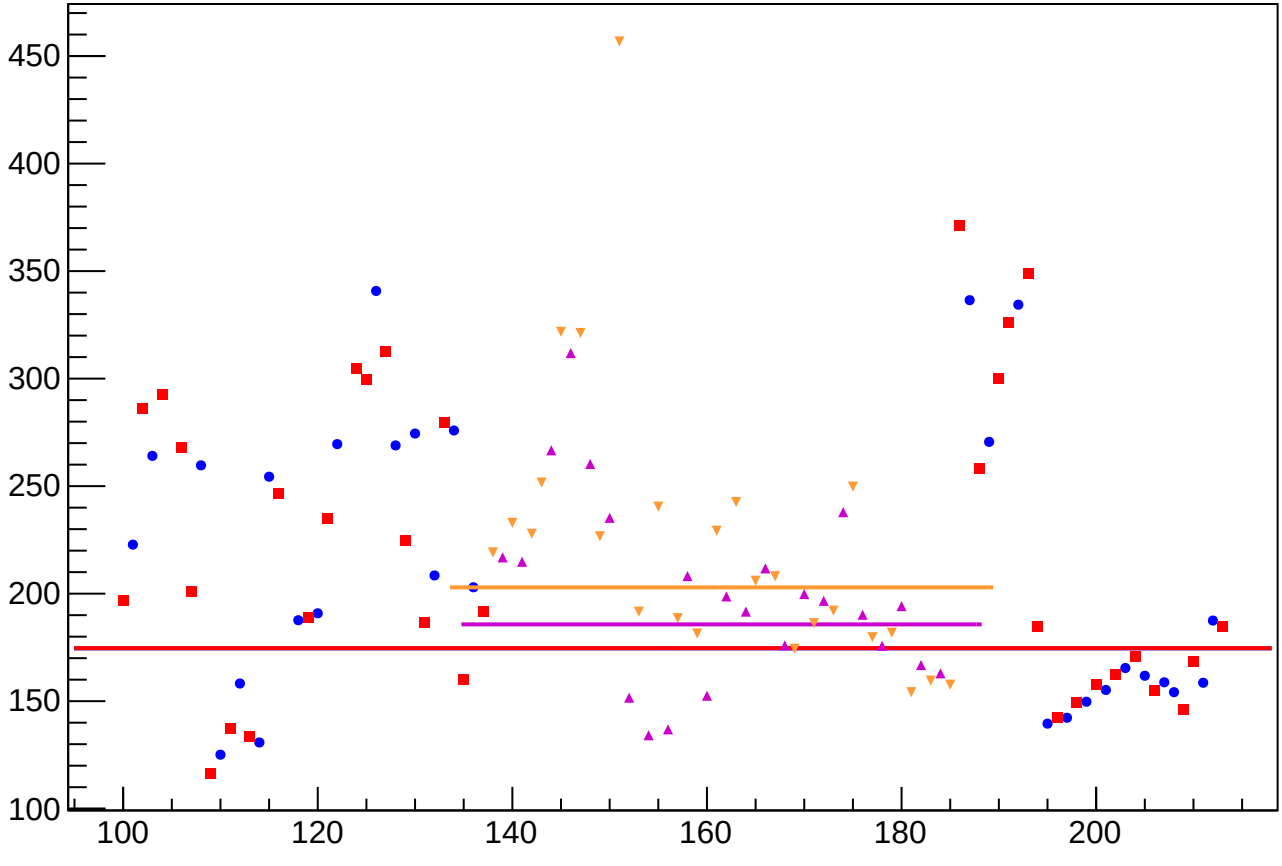
Right: -207.876+/-30.290 χ^2/NDF: 61.0/62

In: -41.561+/-31.345 χ^2/NDF:67.1/51

Out: -56.917+/-31.607 χ^2/NDF:72.4/58

All: -49.175+/-22.257 χ^2/NDF: 139.5/110

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 174.550+/-0.031 χ^2/NDF: 2172577.5/28

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

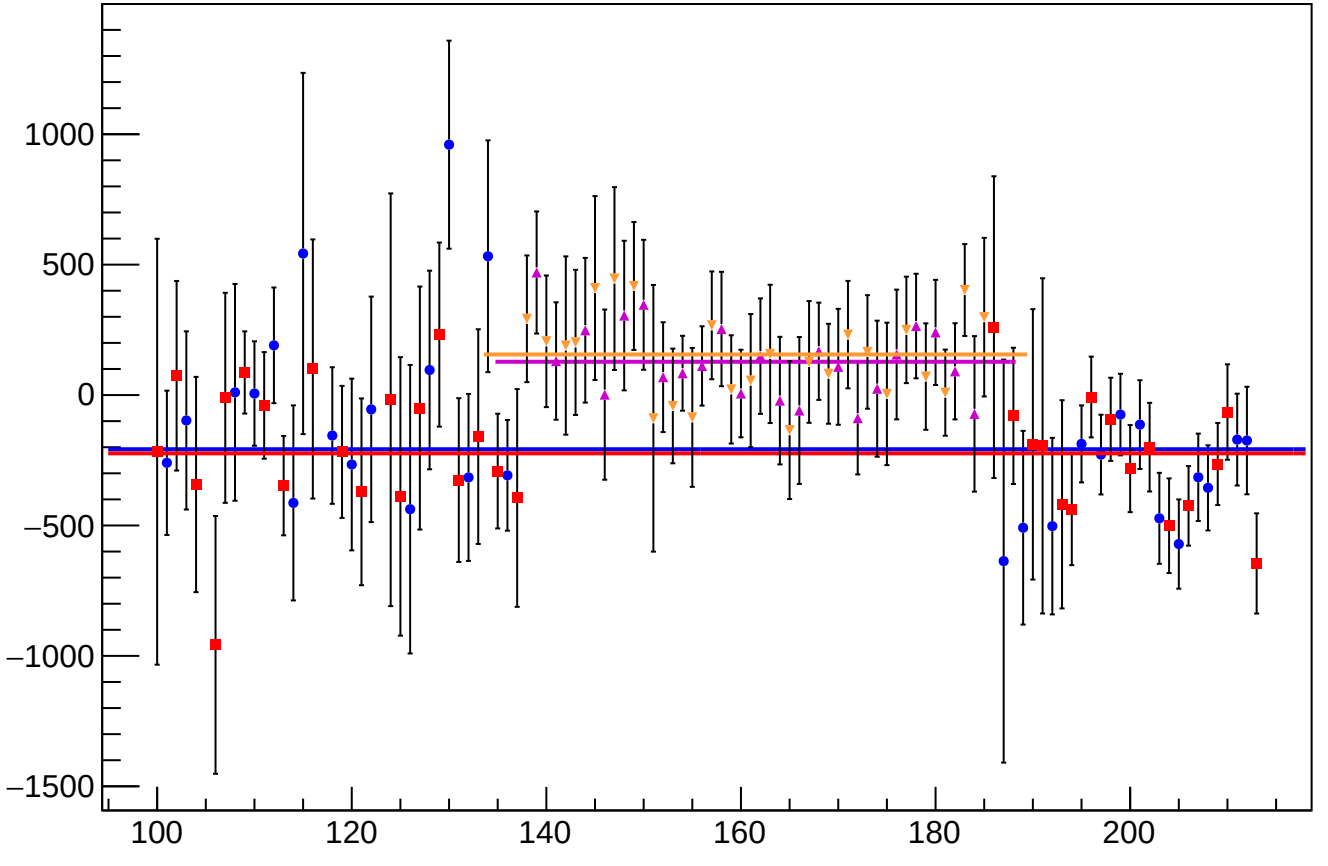
Right: 174.605+/-0.021 χ^2/NDF: 4936672.6/62

In: 179.920+/-0.022 χ^2/NDF:3725423.5/51

Out: 187.062+/-0.022 χ^2/NDF:4858037.1/58

All: 183.461+/-0.016 χ^2/NDF: 8634949.1/110

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -207.701+/-42.942 χ^2/NDF: 29.9/28

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

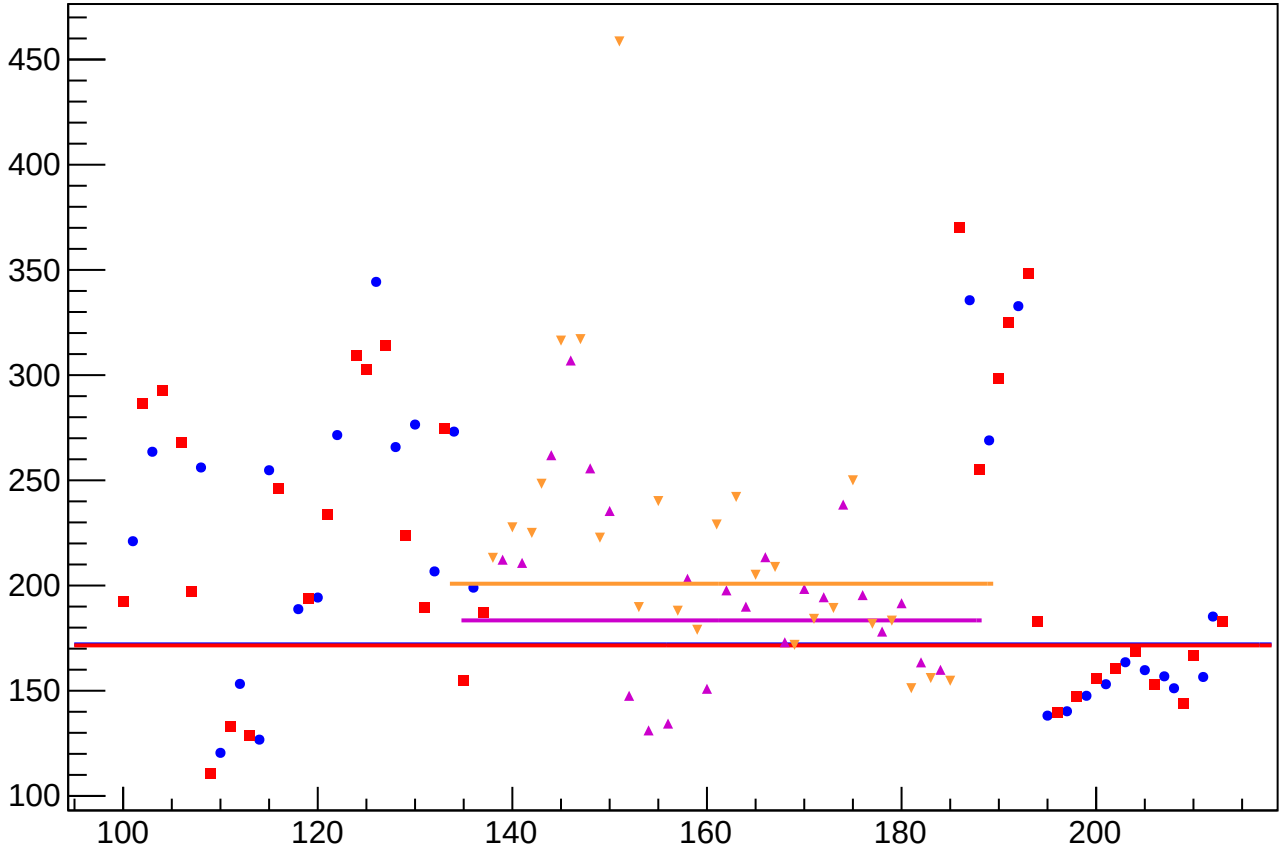
Right: -215.845+/-29.864 χ^2/NDF: 56.0/62

In: -46.737+/-30.967 χ^2/NDF:67.1/51

Out: -58.160+/-31.210 χ^2/NDF:73.0/58

All: -52.404+/-21.982 χ^2/NDF: 140.2/110

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 172.029+/-0.030 χ^2/NDF: 2258654.5/28

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

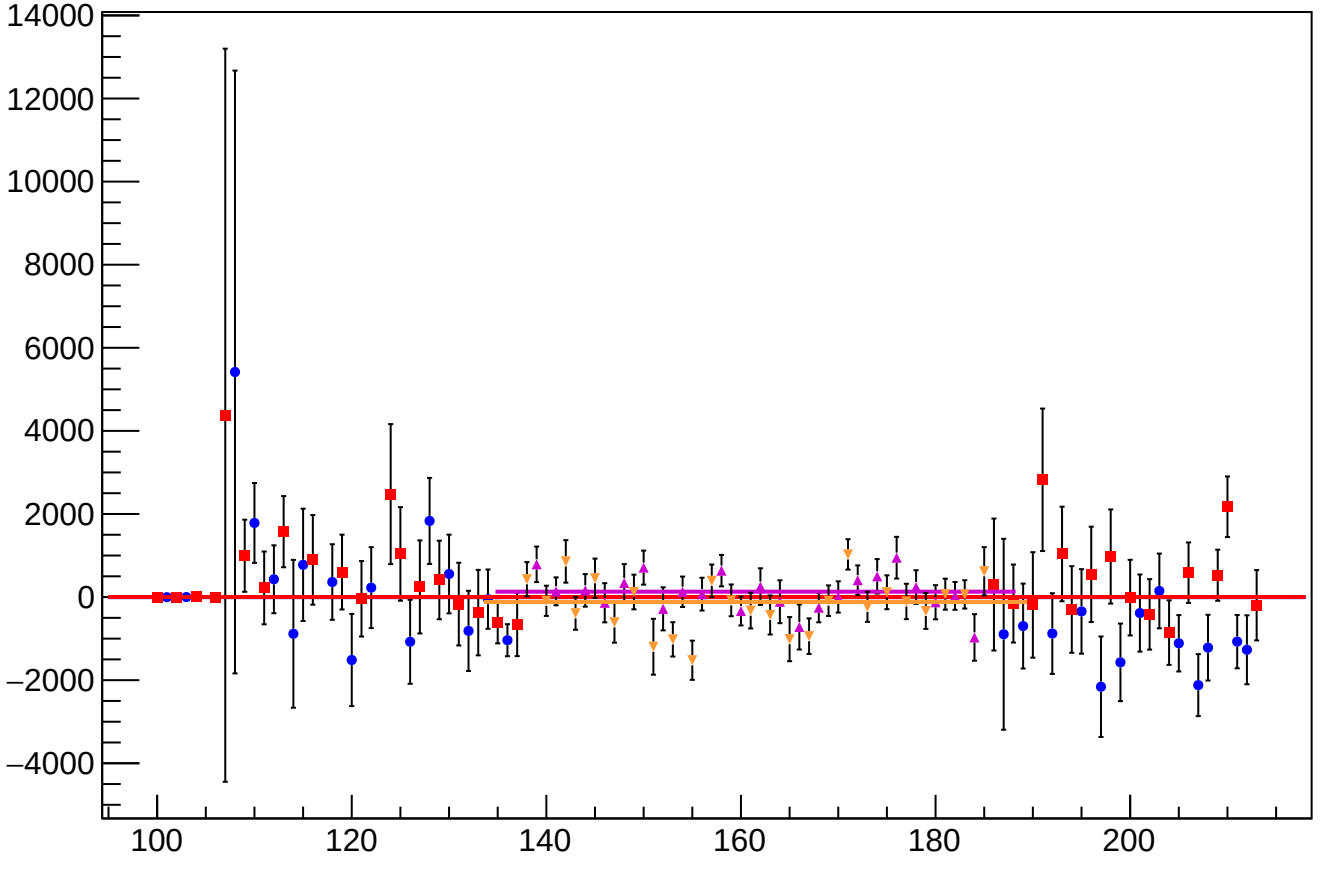
Right: 171.781+/-0.021 χ^2/NDF: 5192402.6/62

In: 177.503+/-0.022 χ^2/NDF:3857041.3/51

Out: 184.332+/-0.022 χ^2/NDF:5094933.6/58

All: 180.891+/-0.016 χ^2/NDF: 9000239.3/110

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.325+/-2.171 χ^2/NDF: 45.9/28

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

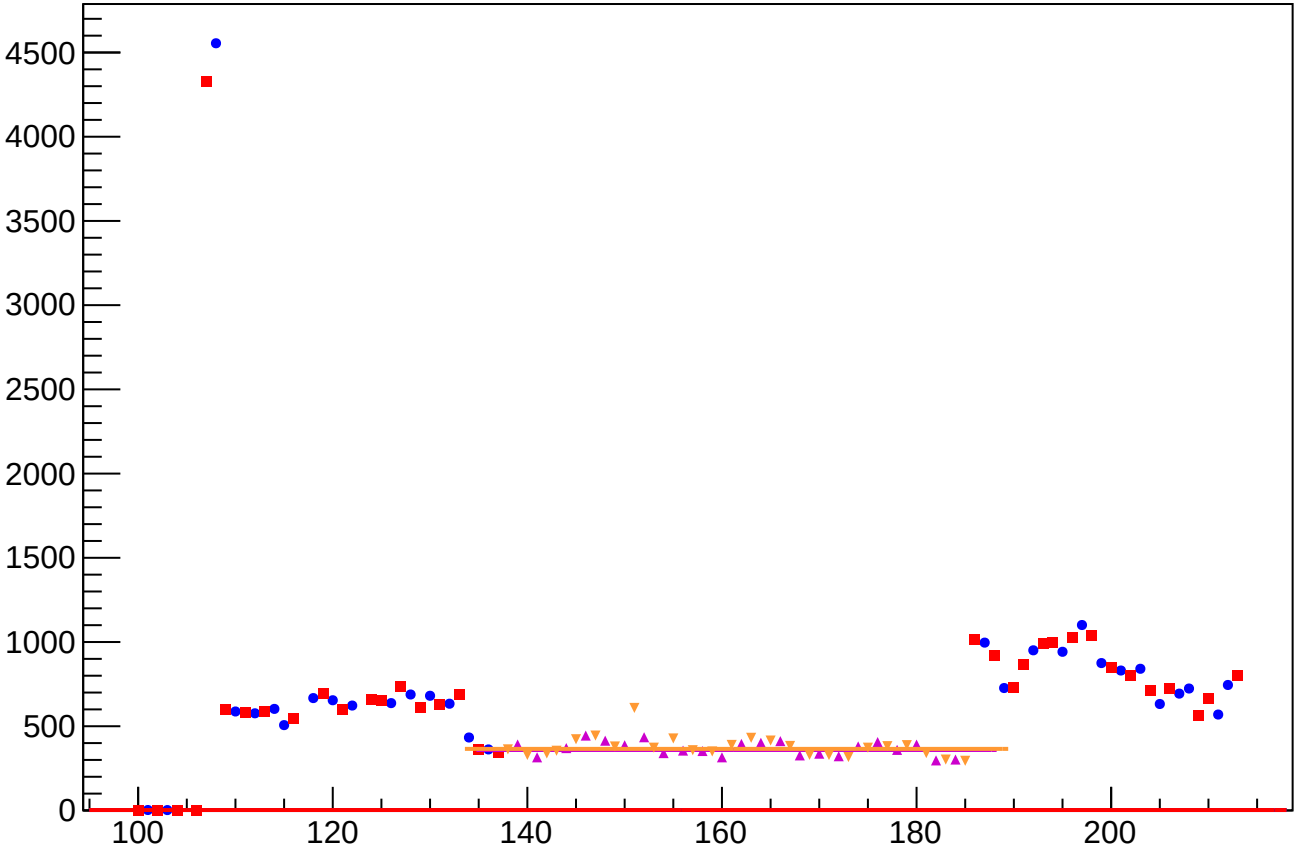
Right: 0.137+/-1.480 χ^2/NDF: 80.0/62

In: -1.240+/-2.170 χ^2/NDF:69.9/51

Out: 1.336+/-2.022 χ^2/NDF:81.6/58

All: 0.139+/-1.479 χ^2/NDF: 152.3/110

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.537+/-0.002 χ^2/NDF: 31606301.2/28

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

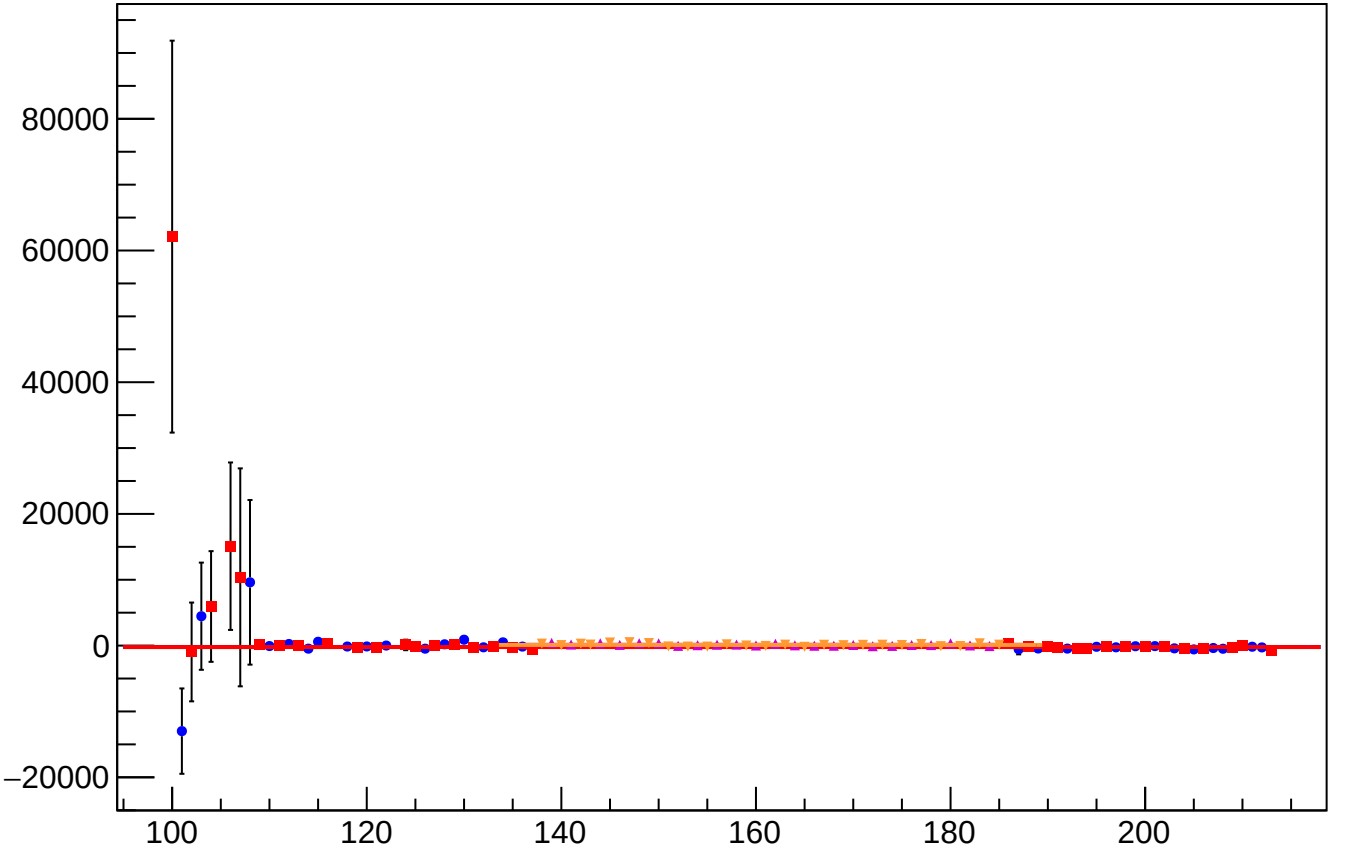
Right: 2.527+/-0.001 χ^2/NDF: 65840666.8/62

In: 2.769+/-0.002 χ^2/NDF:67146694.1/51

Out: 2.729+/-0.001 χ^2/NDF:72063782.7/58

All: 2.747+/-0.001 χ^2/NDF: 139210844.8/110

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -210.663+/-46.694 χ^2/NDF: 33.3/28

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

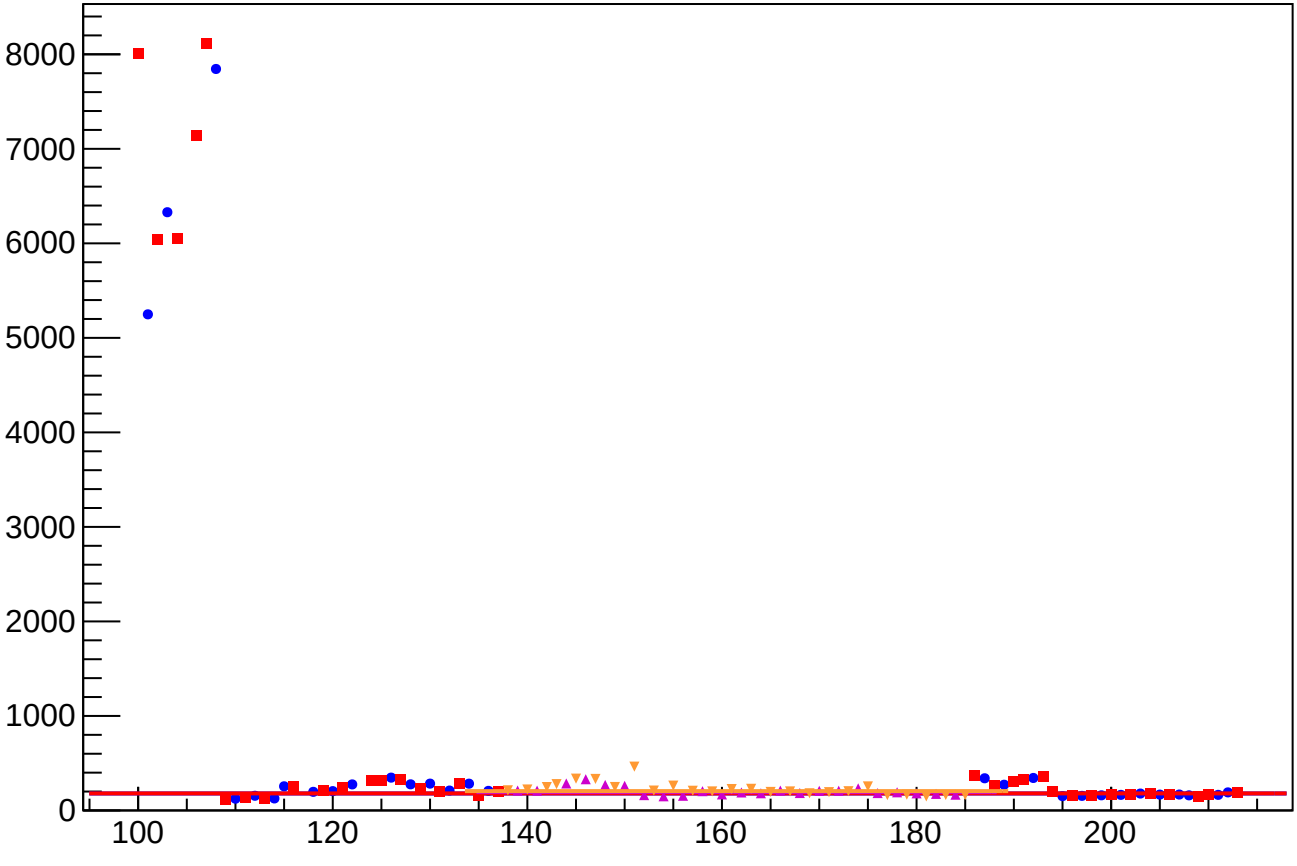
Right: -215.486+/-32.662 χ^2/NDF: 66.6/62

In: -46.587+/-33.110 χ^2/NDF:67.4/51

Out: -68.906+/-33.182 χ^2/NDF:69.2/58

All: -57.722+/-23.438 χ^2/NDF: 136.8/110

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 179.483+/-0.033 χ^2/NDF: 4894446.2/28

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

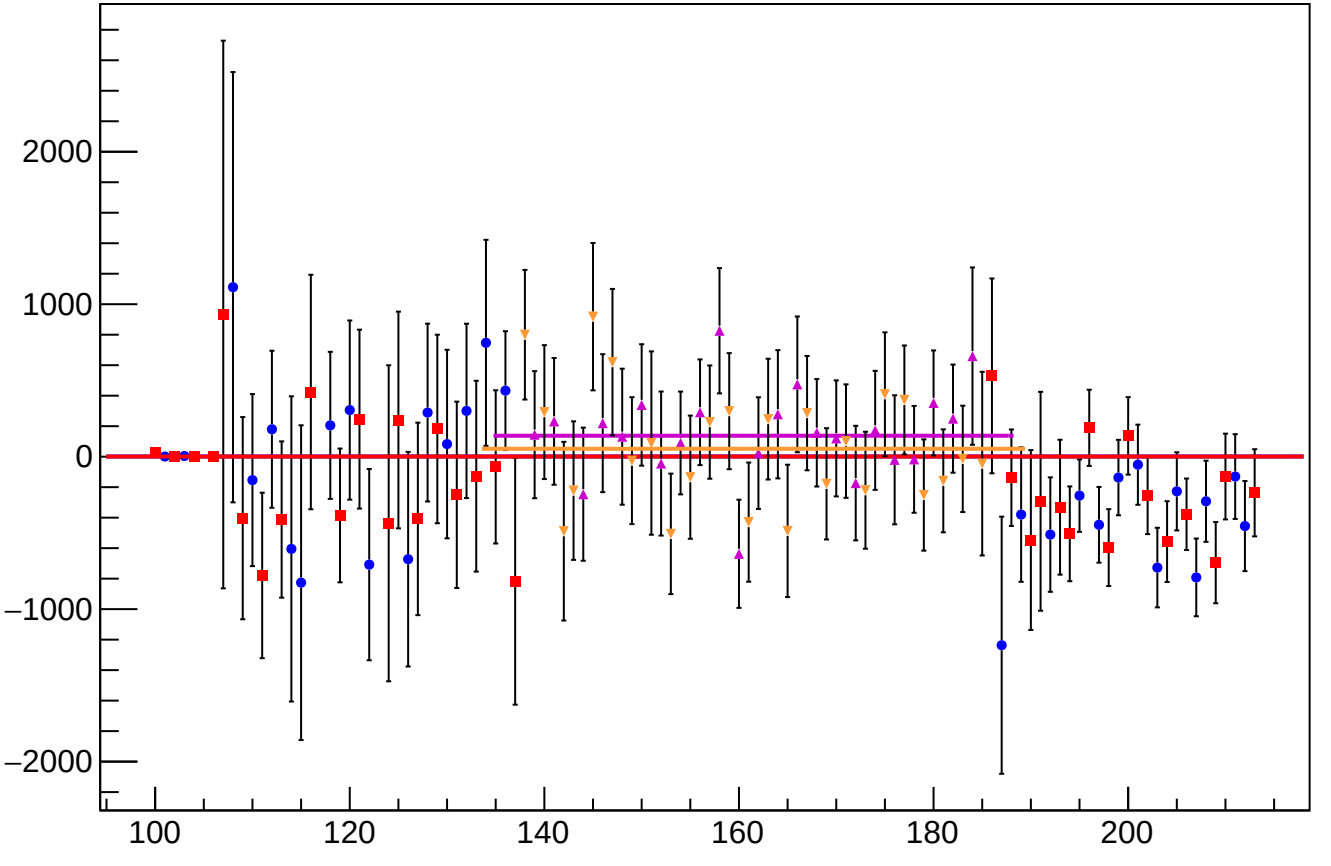
Right: 179.934+/-0.023 χ^2/NDF: 10501501.7/62

In: 186.648+/-0.023 χ^2/NDF:6180773.0/51

Out: 191.818+/-0.023 χ^2/NDF:7847316.0/58

All: 189.228+/-0.017 χ^2/NDF: 14052414.2/11

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.291+/-1.660 χ^2/NDF: 39.5/28

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

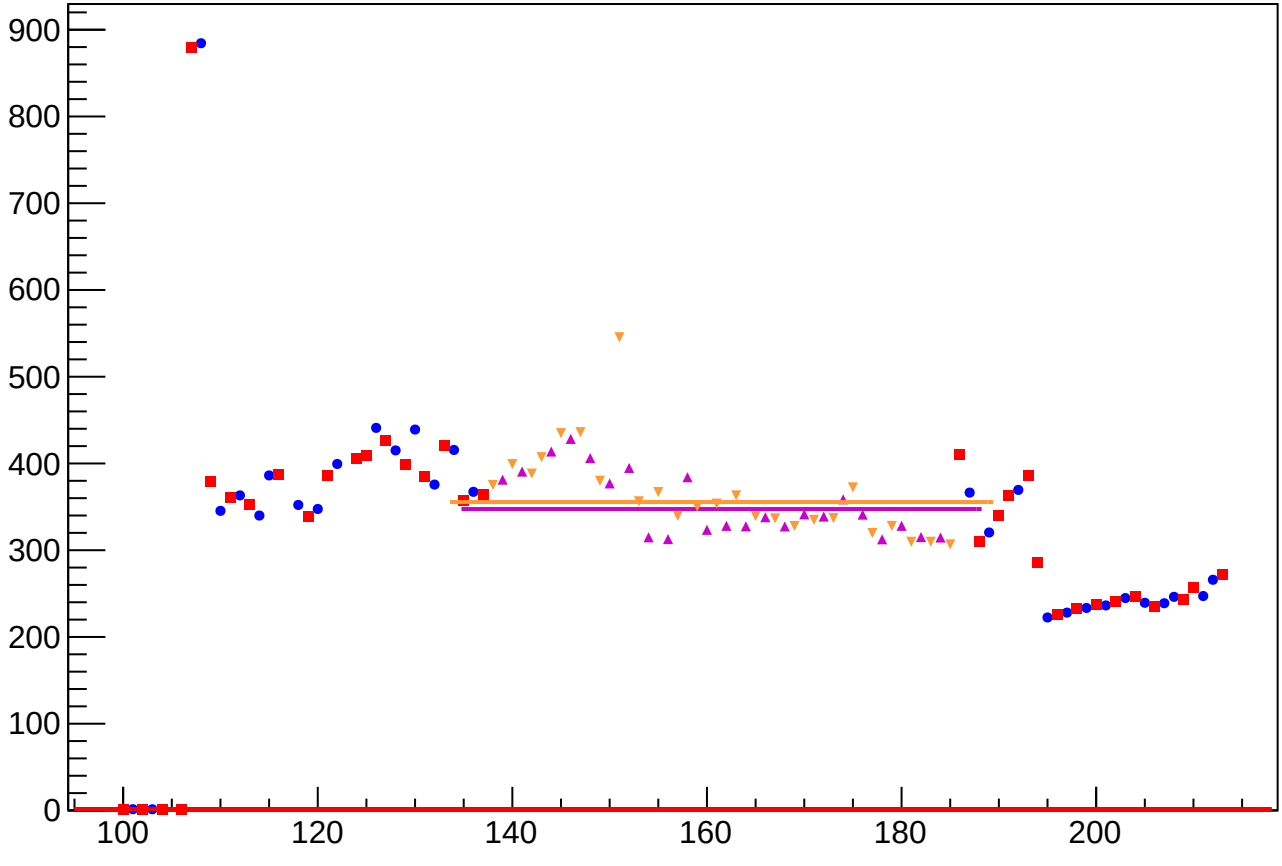
Right: 1.125+/-1.124 χ^2/NDF: 76.1/62

In: 1.347+/-1.660 χ^2/NDF:54.5/51

Out: 1.003+/-1.527 χ^2/NDF:56.4/58

All: 1.160+/-1.124 χ^2/NDF: 110.9/110

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.581+/-0.001 χ^2/NDF: 31880992.4/28

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

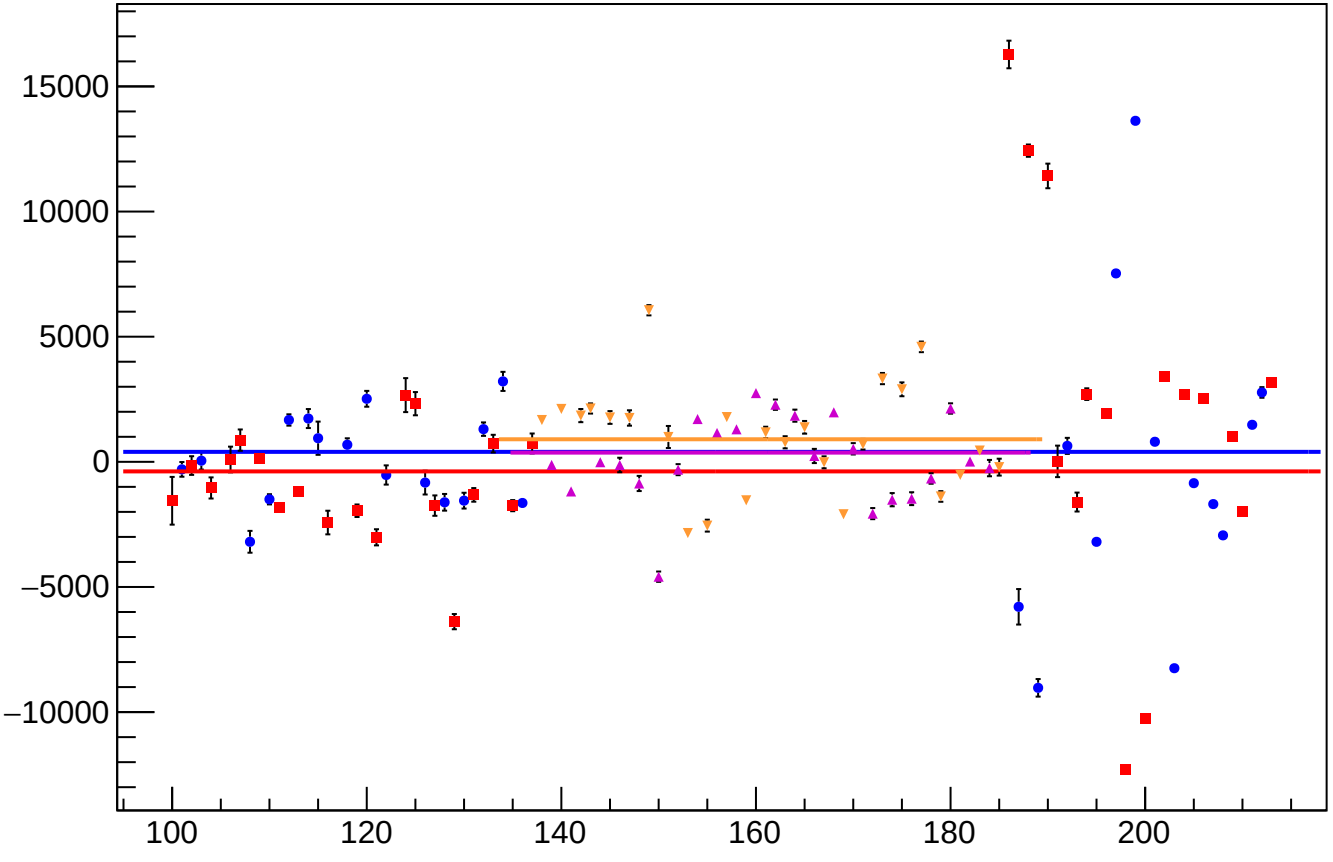
Right: 1.573+/-0.001 χ^2/NDF: 65811658.1/62

In: 1.722+/-0.001 χ^2/NDF:67703622.1/51

Out: 1.691+/-0.001 χ^2/NDF:72121568.6/58

All: 1.705+/-0.001 χ^2/NDF: 139825553.5/110

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 398.503+/-44.784 χ^2/NDF: 12007.1/28

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

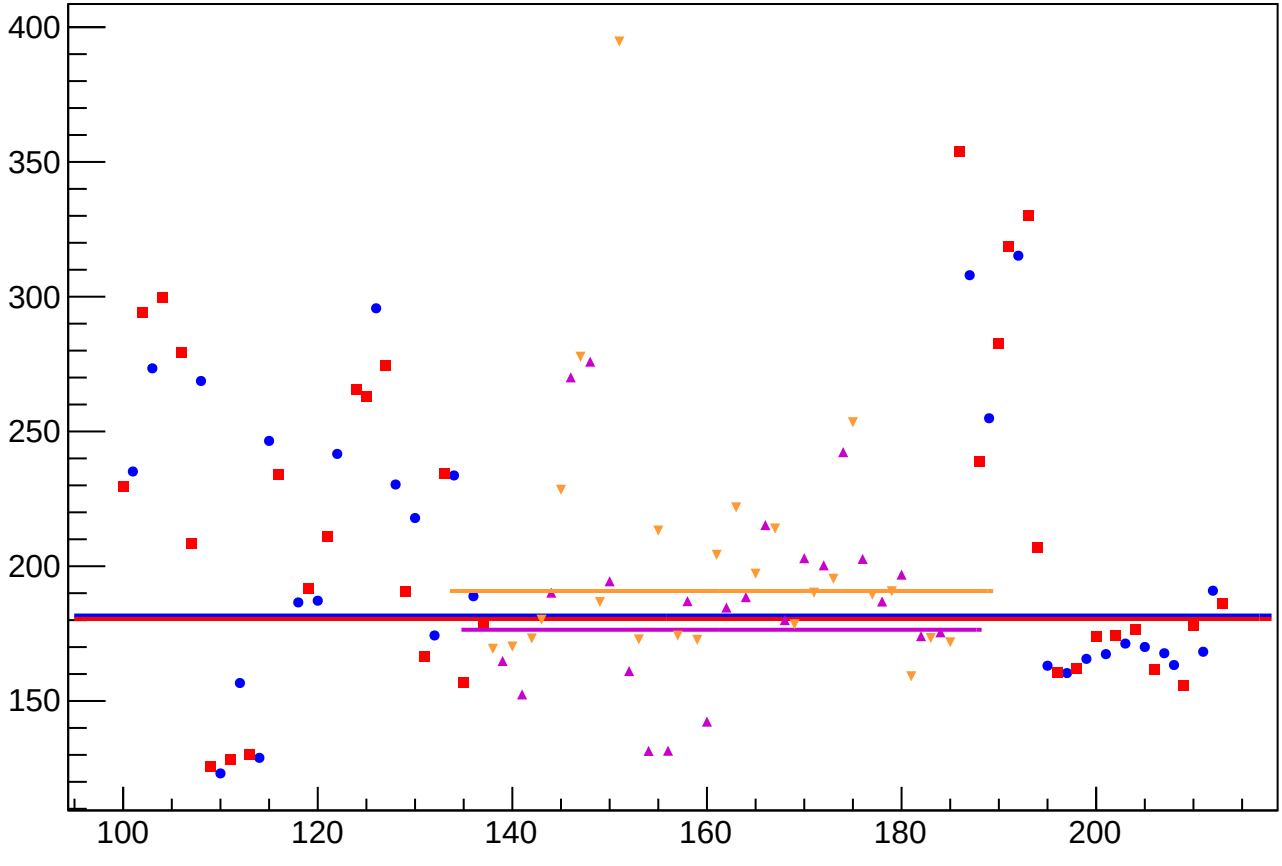
Right: -6.552+/-31.067 χ^2/NDF: 26376.7/62

In: 382.657+/-30.904 χ^2/NDF:13600.4/51

Out: 239.851+/-30.966 χ^2/NDF:17052.1/58

All: 311.398+/-21.874 χ^2/NDF: 30663.1/110

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 181.703+/-0.032 χ^2/NDF: 1443037.2/28

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

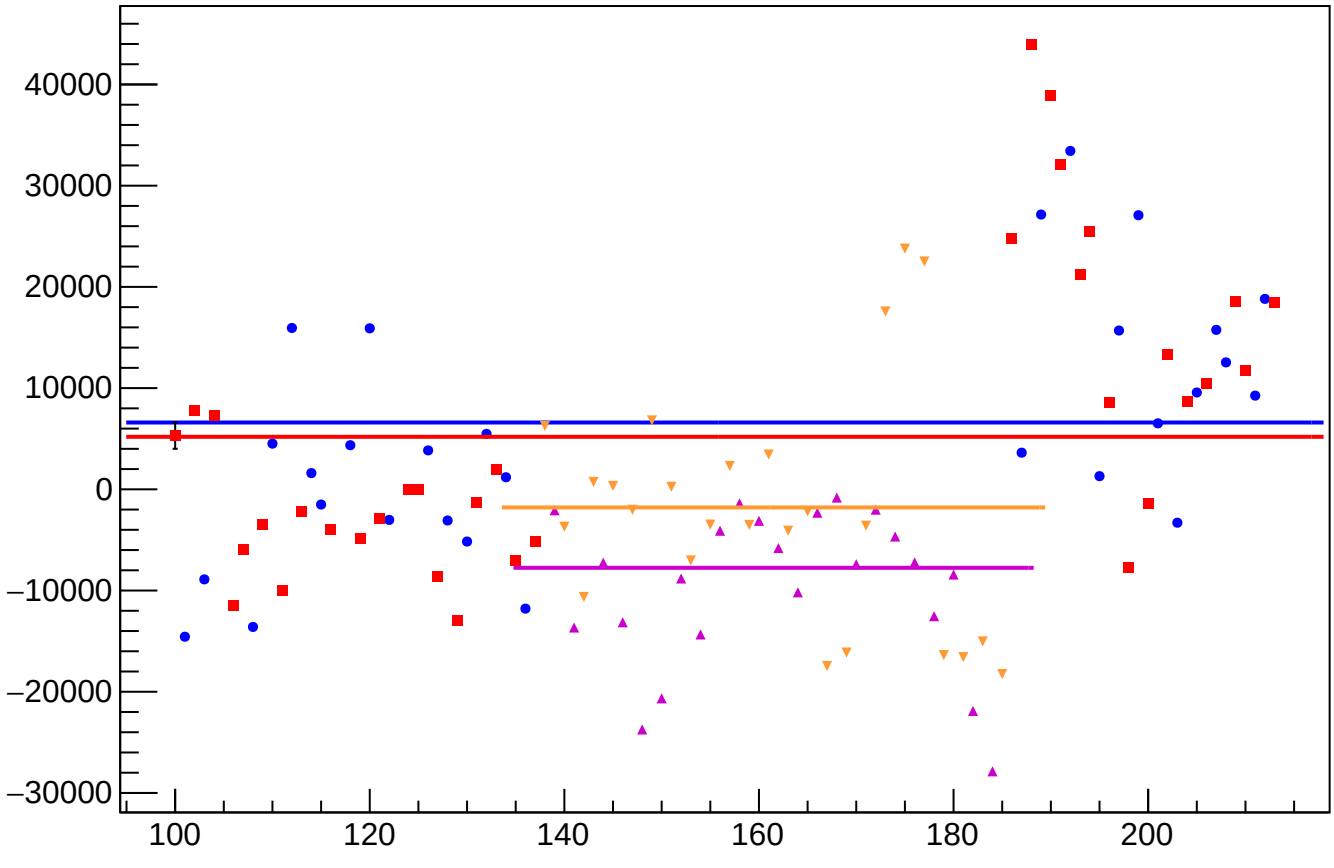
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 181.036+/-0.022 χ^2/NDF: 3631445.4/62

In: 178.942+/-0.022 χ^2/NDF:2715215.1/51

Out: 185.449+/-0.022 χ^2/NDF:3263330.2/58

All: 182.189+/-0.015 χ^2/NDF: 6022796.0/110



Right In: 6600.804+/-39.667 χ^2/NDF: 96693.6/28

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

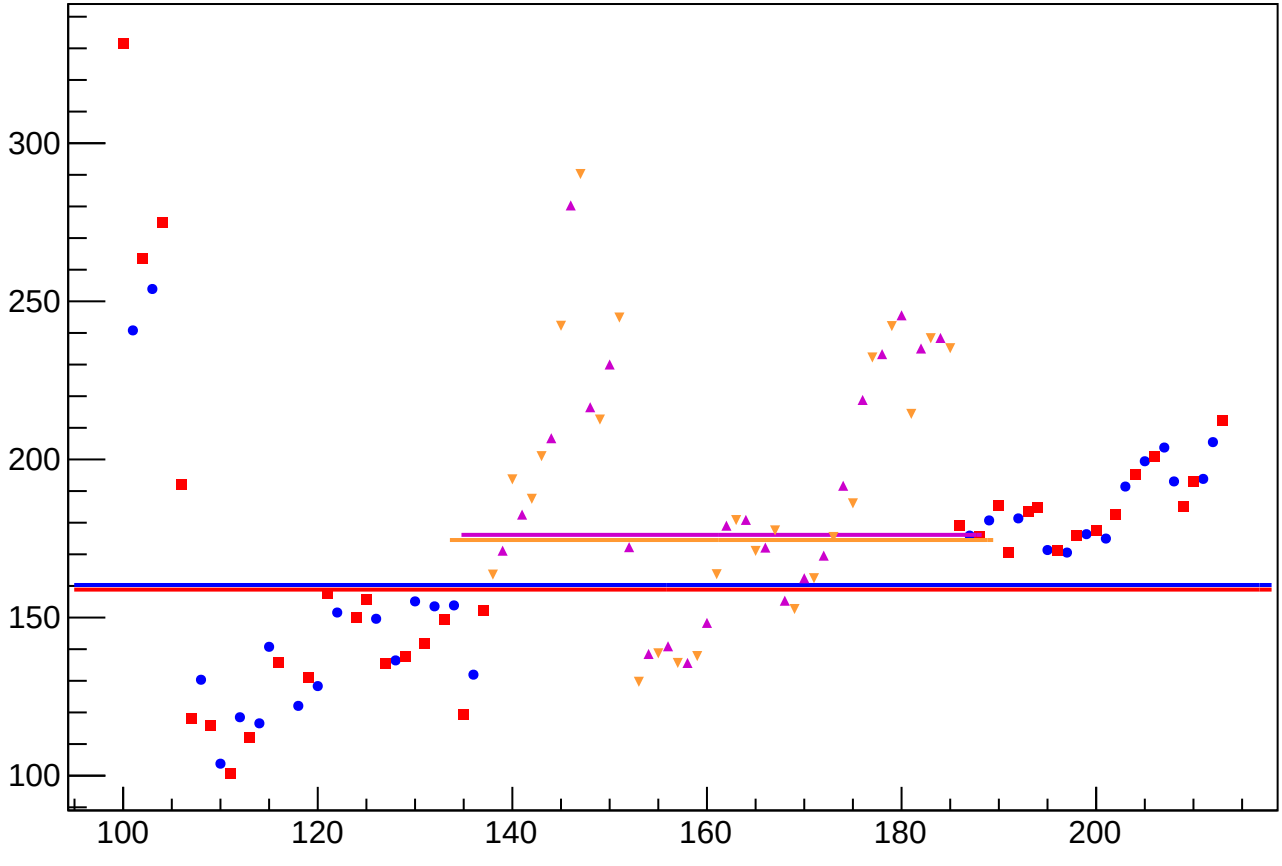
Right: 5858.652+/-27.324 χ^2/NDF: 244369.4/62

In: -70.497+/-29.021 χ^2/NDF:180836.6/51

Out: 1984.382+/-27.720 χ^2/NDF:228495.5/58

All: 1004.032+/-20.045 χ^2/NDF: 411953.8/11

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 160.303+/-0.028 χ^2/NDF: 1424642.9/28

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

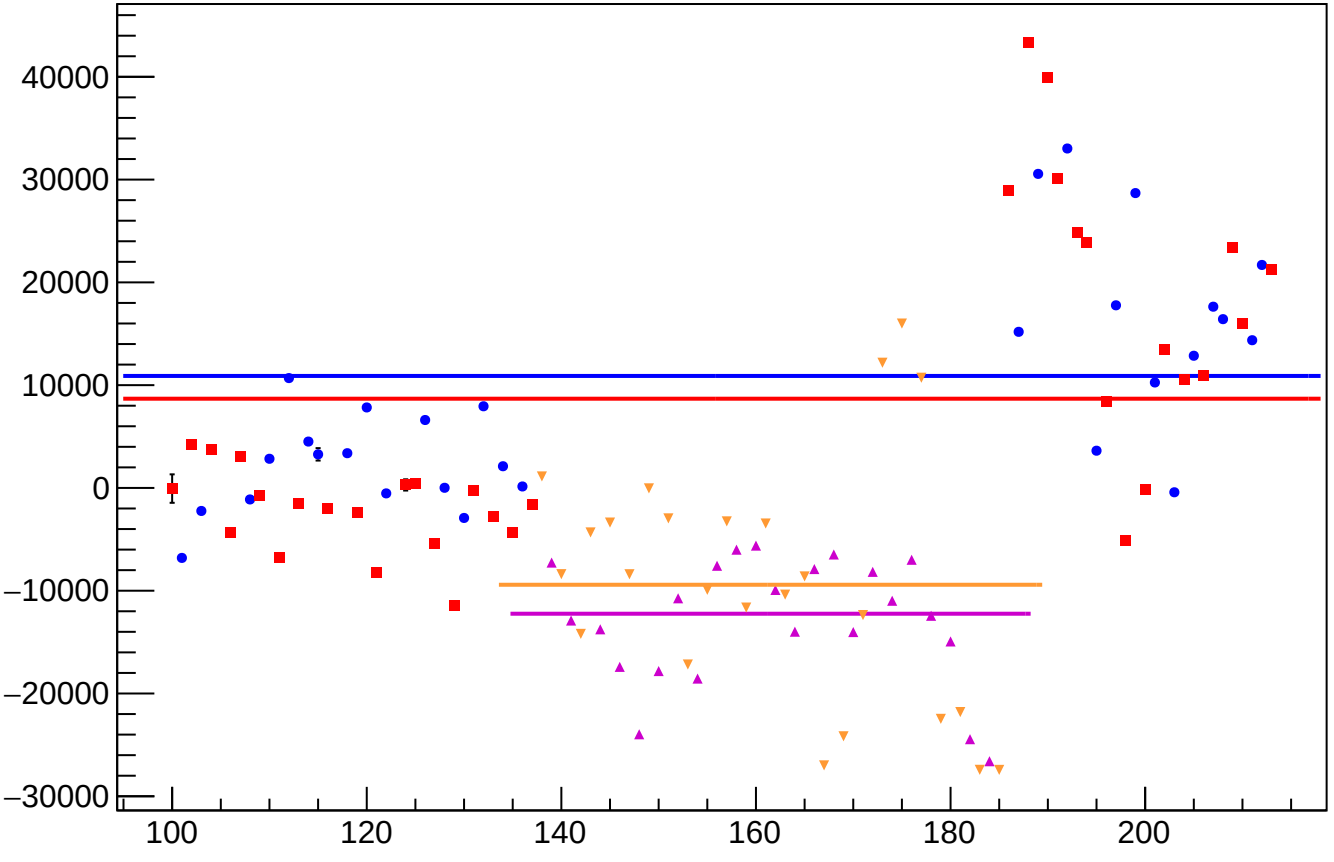
Right: 159.536+/-0.019 χ^2/NDF: 3255957.5/62

In: 167.670+/-0.021 χ^2/NDF:2940130.7/51

Out: 166.041+/-0.020 χ^2/NDF:3648221.6/58

All: 166.818+/-0.014 χ^2/NDF: 6591646.1/110

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 10896.848+/-43.738 χ^2/NDF: 56802.1/28

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 8681.920+/-41.350 χ^2/NDF: 118335.7/33

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

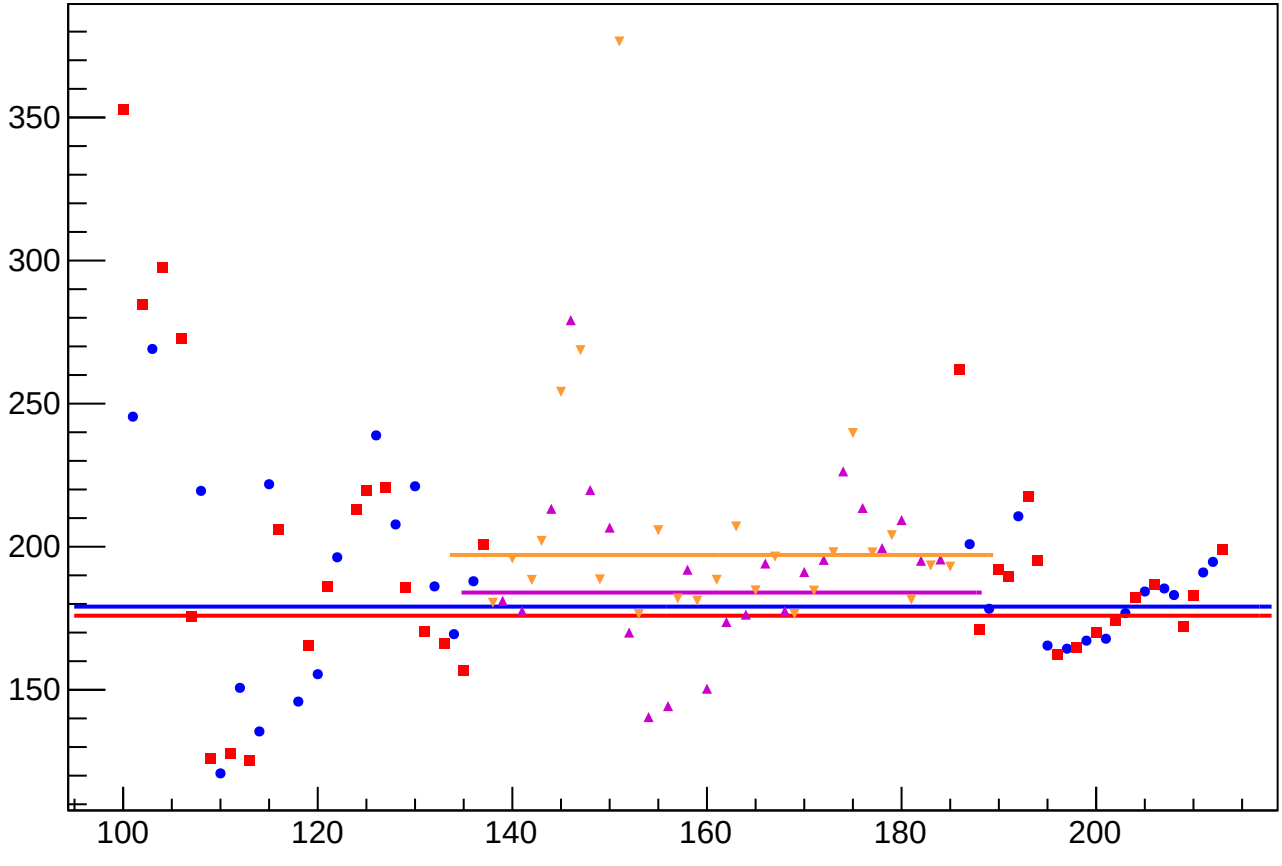
Right: 9727.285+/-30.048 χ^2/NDF: 176491.9/62

In: -550.655+/-31.088 χ^2/NDF:211261.7/51

Out: 532.693+/-30.661 χ^2/NDF:269329.7/58

All: -1.499+/-21.830 χ^2/NDF: 481207.0/110

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 179.071+/-0.031 χ^2/NDF: 785269.5/28

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

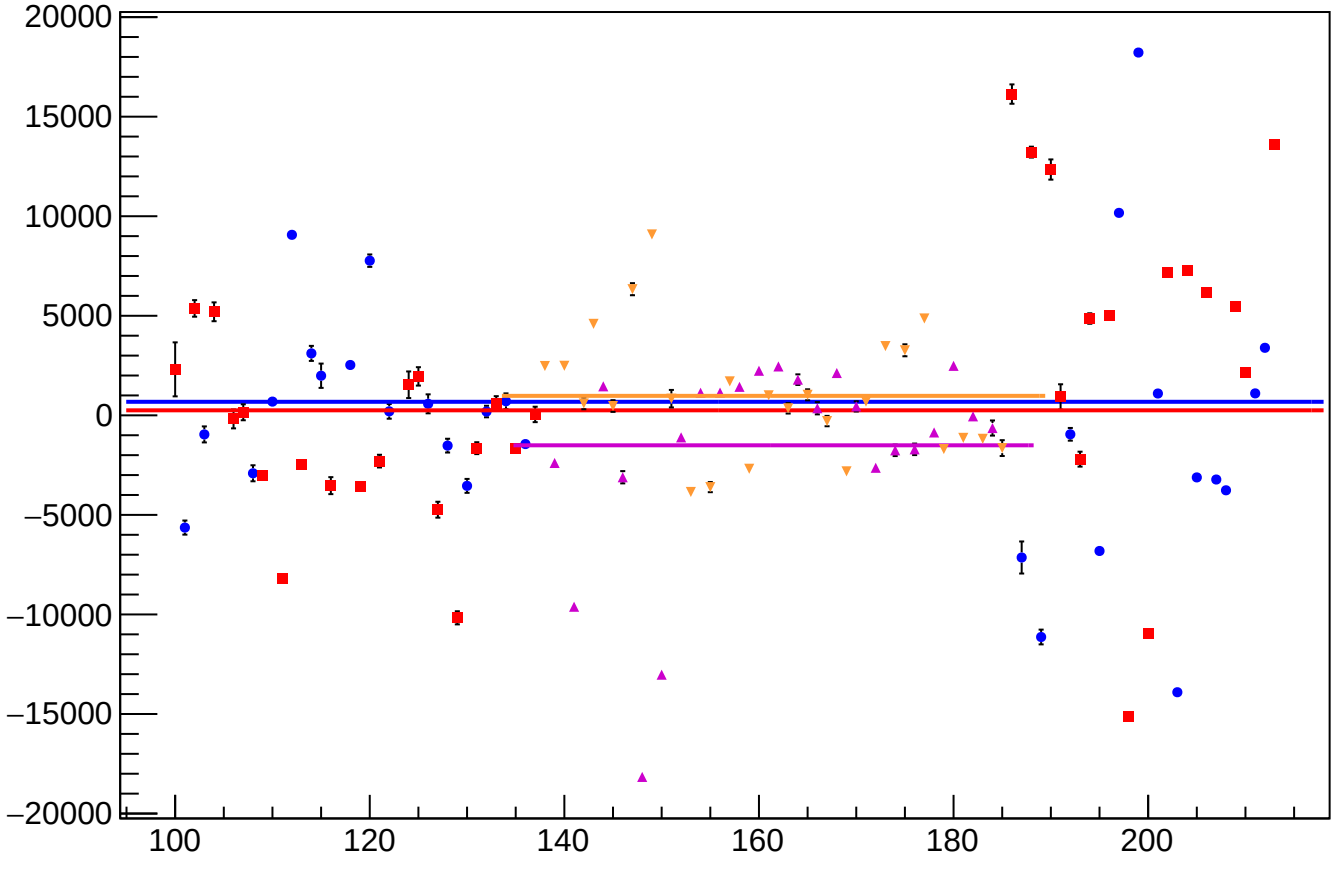
Right: 177.395+/-0.021 χ^2/NDF: 2026192.7/62

In: 181.503+/-0.022 χ^2/NDF:1627541.2/51

Out: 185.453+/-0.022 χ^2/NDF:2205107.9/58

All: 183.505+/-0.015 χ^2/NDF: 3849015.6/110

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 680.062+/-49.114 χ^2/NDF: 21595.6/28

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

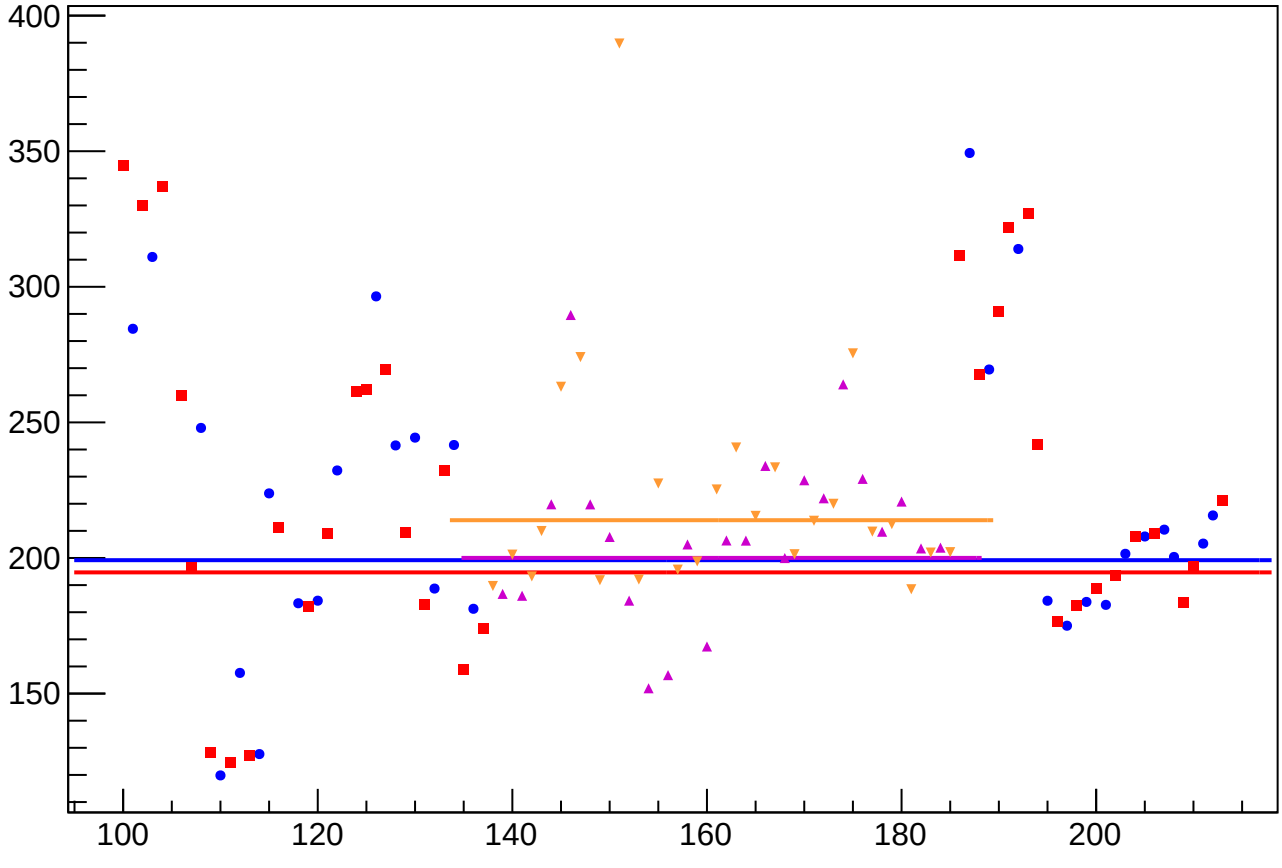
Right: 454.339+/-33.773 χ^2/NDF: 46985.7/62

In: -436.415+/-34.347 χ^2/NDF:34087.6/51

Out: 591.804+/-33.932 χ^2/NDF:29787.1/58

All: 83.944+/-24.139 χ^2/NDF: 64328.2/110

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 199.191+/-0.035 χ^2/NDF: 1463424.2/28

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

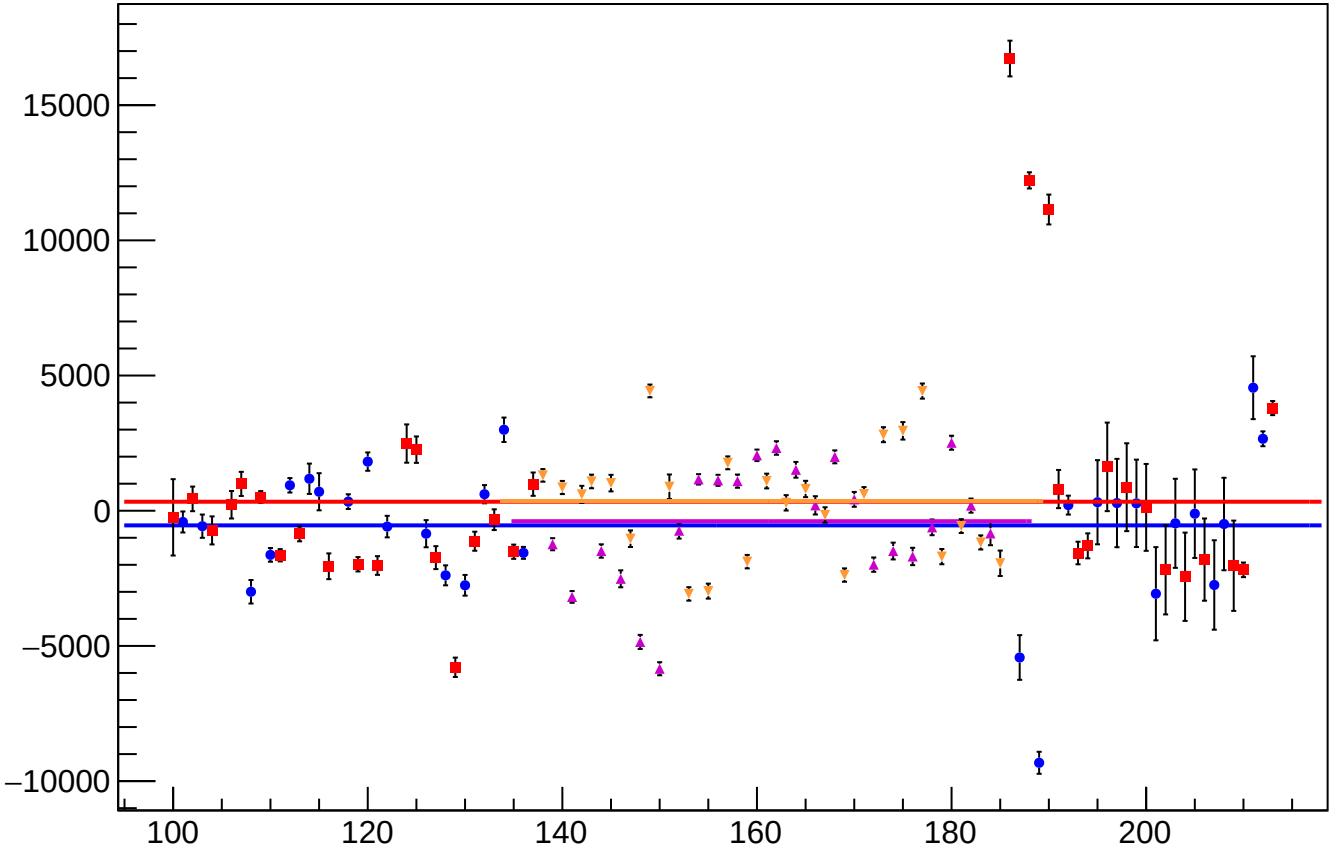
Right: 196.817+/-0.024 χ^2/NDF: 3759229.0/62

In: 199.620+/-0.024 χ^2/NDF:2249248.3/51

Out: 203.692+/-0.024 χ^2/NDF:3180721.9/58

All: 201.680+/-0.017 χ^2/NDF: 5444193.5/110

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -541.554+/-77.693 χ^2/NDF: 970.1/28

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

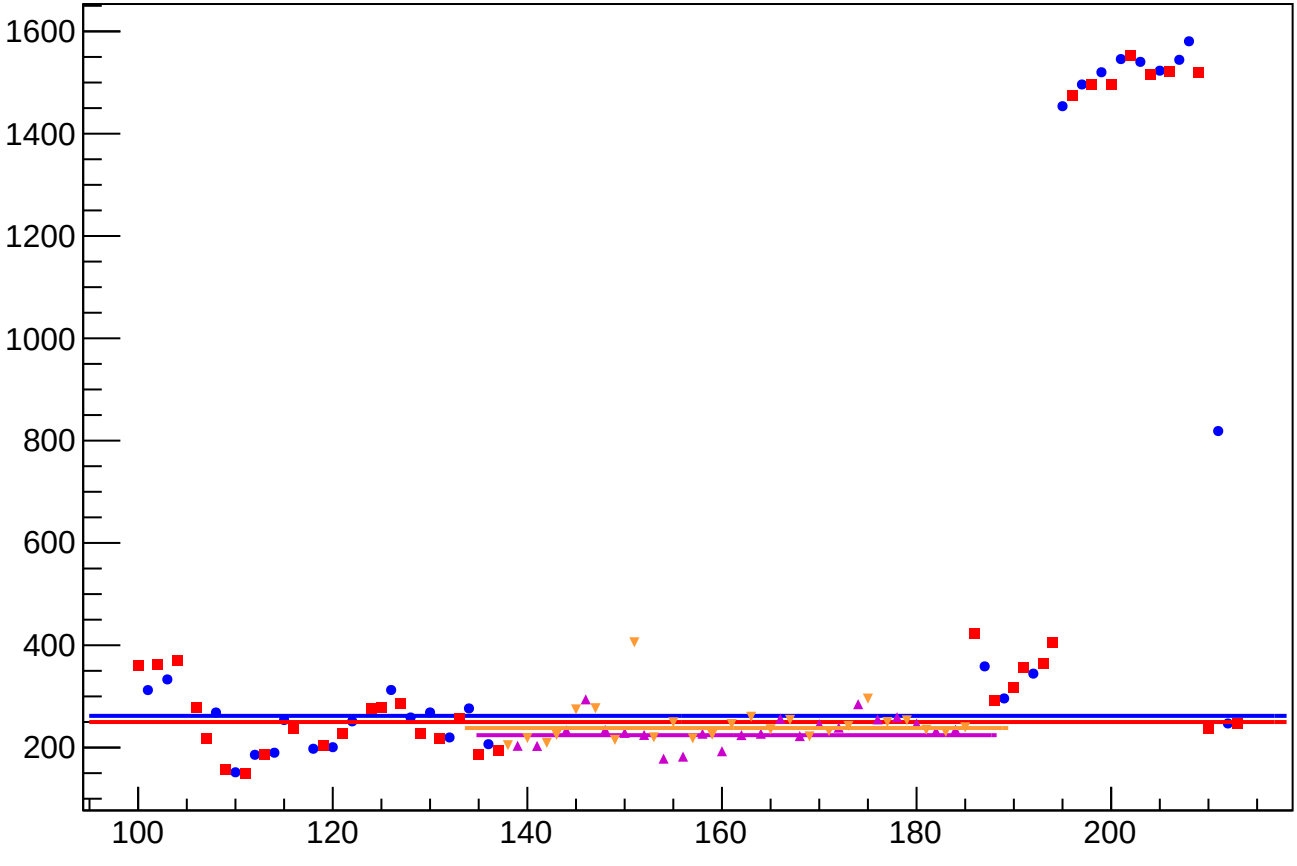
Right: -49.499+/-51.398 χ^2/NDF: 4584.2/62

In: -436.709+/-44.079 χ^2/NDF:2776.9/51

Out: 348.797+/-42.892 χ^2/NDF:4961.7/58

All: -33.238+/-30.741 χ^2/NDF: 7901.8/110

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 261.988+/-0.055 χ^2/NDF: 11058982.0/28

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

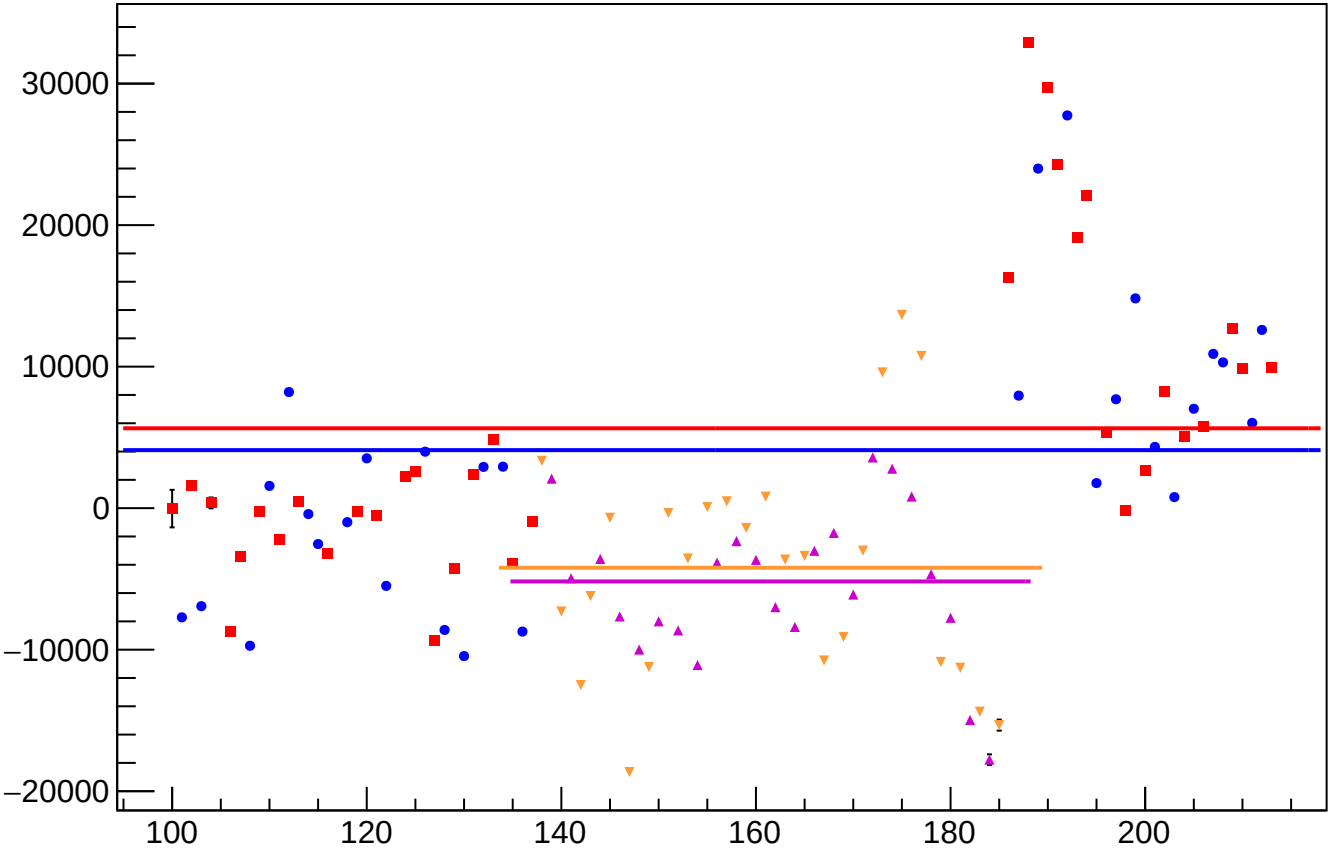
Right: 255.199+/-0.036 χ^2/NDF: 21616091.9/62

In: 236.372+/-0.031 χ^2/NDF:11942842.5/51

Out: 242.788+/-0.030 χ^2/NDF:11133445.3/58

All: 239.667+/-0.022 χ^2/NDF: 23098053.7/1

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 4100.326+/-33.677 χ^2/NDF: 81474.4/28

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

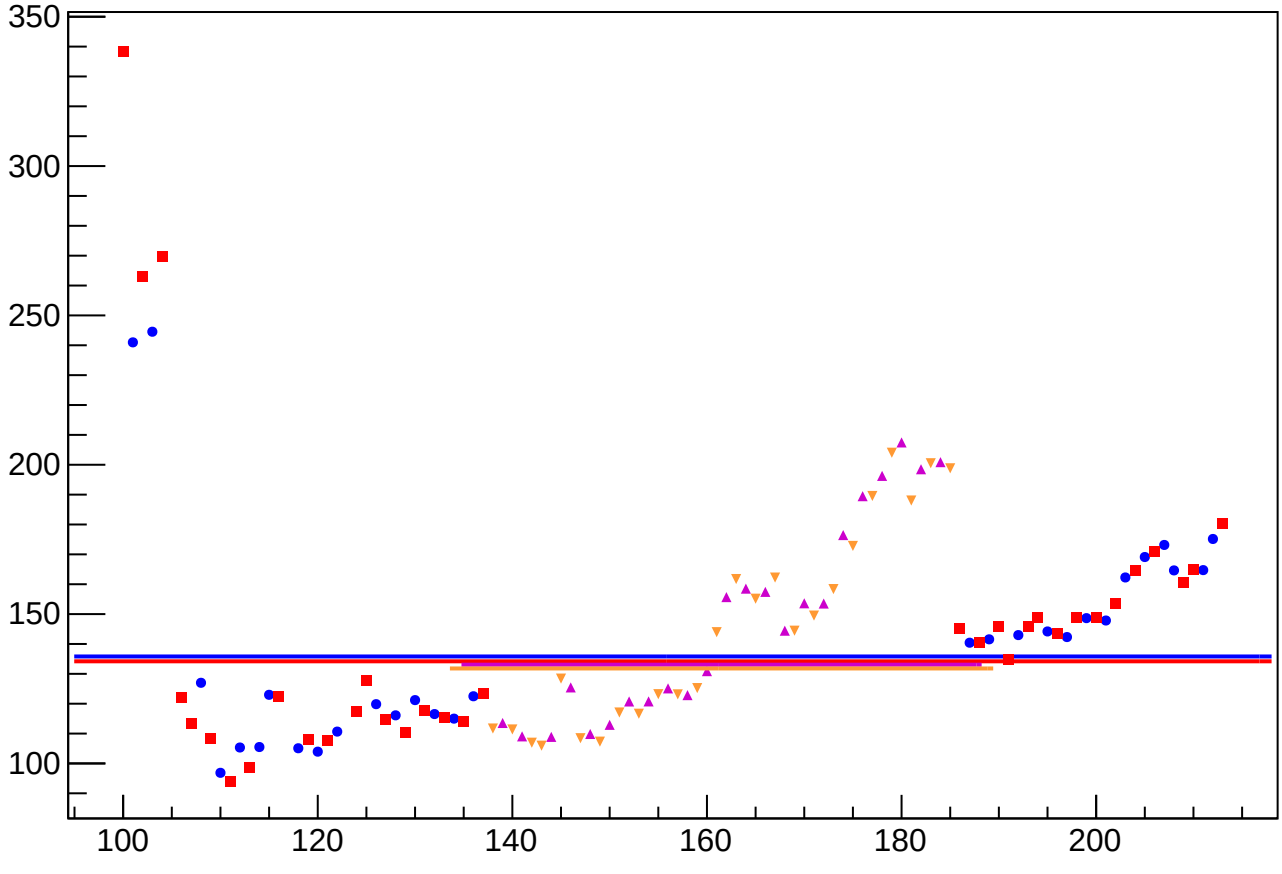
Right: 4915.346+/-23.133 χ^2/NDF: 188411.6/62

In: -780.211+/-23.186 χ^2/NDF:139942.8/51

Out: 558.754+/-22.145 χ^2/NDF:212082.0/58

All: -79.992+/-16.014 χ^2/NDF: 353768.9/110

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 135.813+/-0.024 χ^2/NDF: 1424192.0/28

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

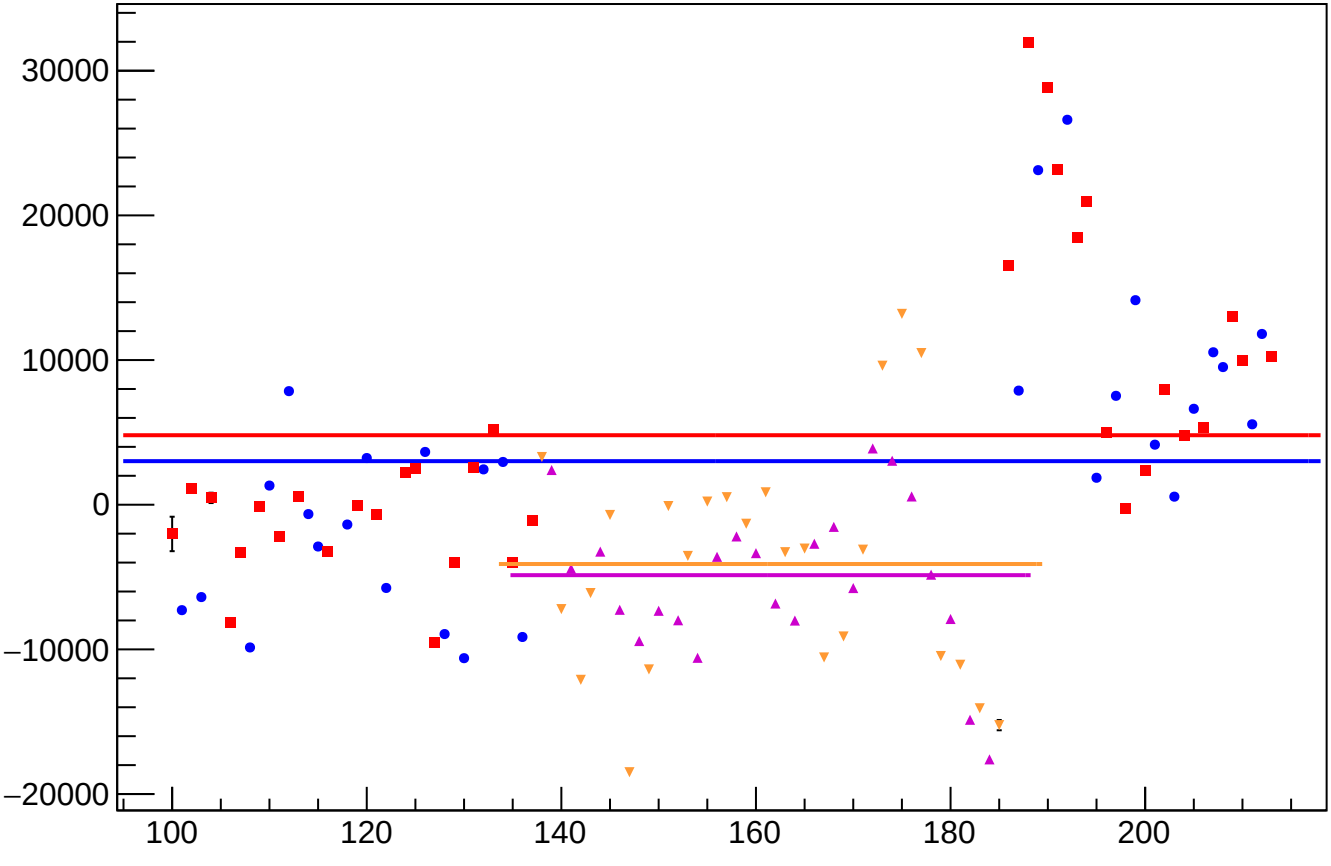
Right: 134.958+/-0.016 χ^2/NDF: 3114591.4/62

In: 134.366+/-0.016 χ^2/NDF:2849467.2/51

Out: 132.957+/-0.016 χ^2/NDF:3238145.9/58

All: 133.629+/-0.011 χ^2/NDF: 6091471.6/110

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 3011.911+/-30.919 χ^2/NDF: 89572.6/28

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

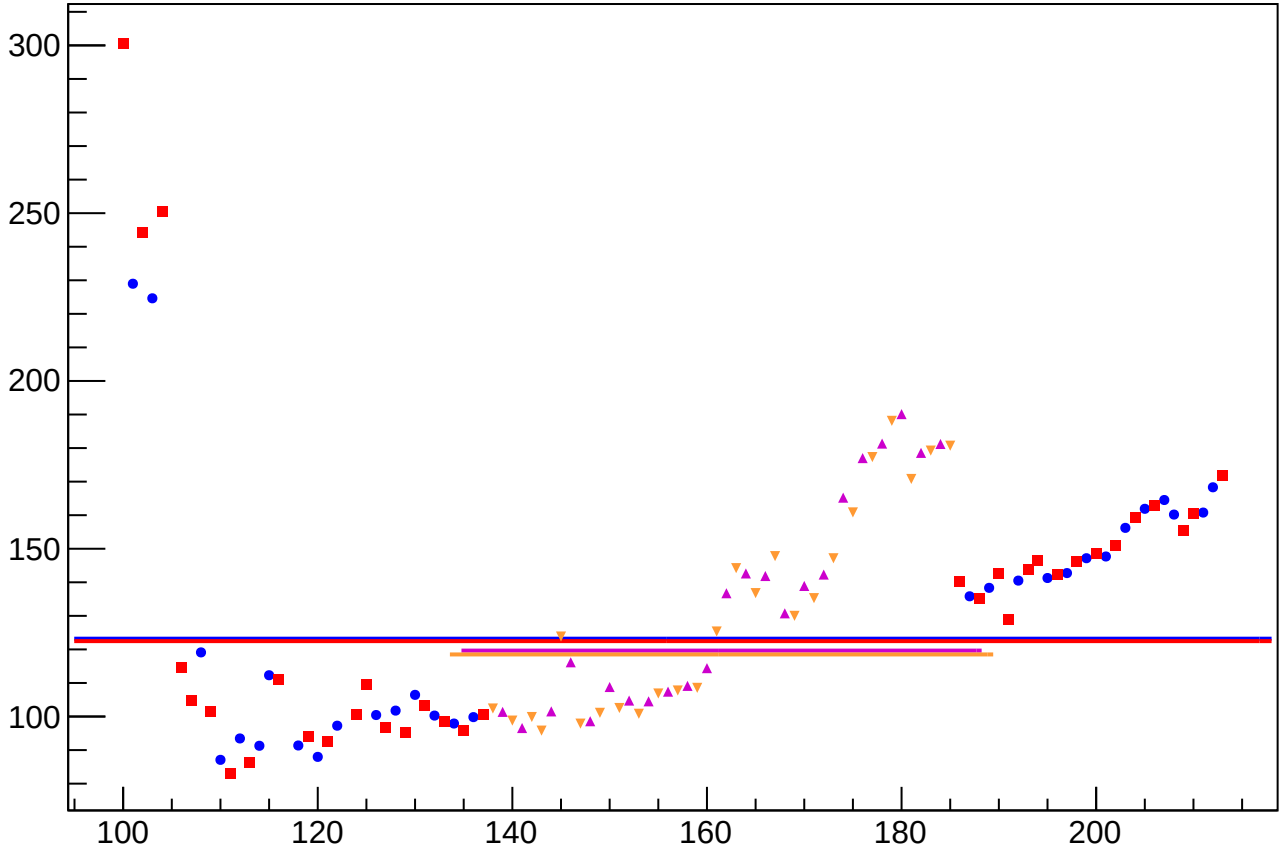
Right: 3953.702+/-21.298 χ^2/NDF: 204398.2/62

In: -1206.967+/-21.077 χ^2/NDF:146269.9/51

Out: 102.109+/-20.182 χ^2/NDF:227826.1/58

All: -524.049+/-14.577 χ^2/NDF: 376108.3/11

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 123.196+/-0.022 χ^2/NDF: 2111451.8/28

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

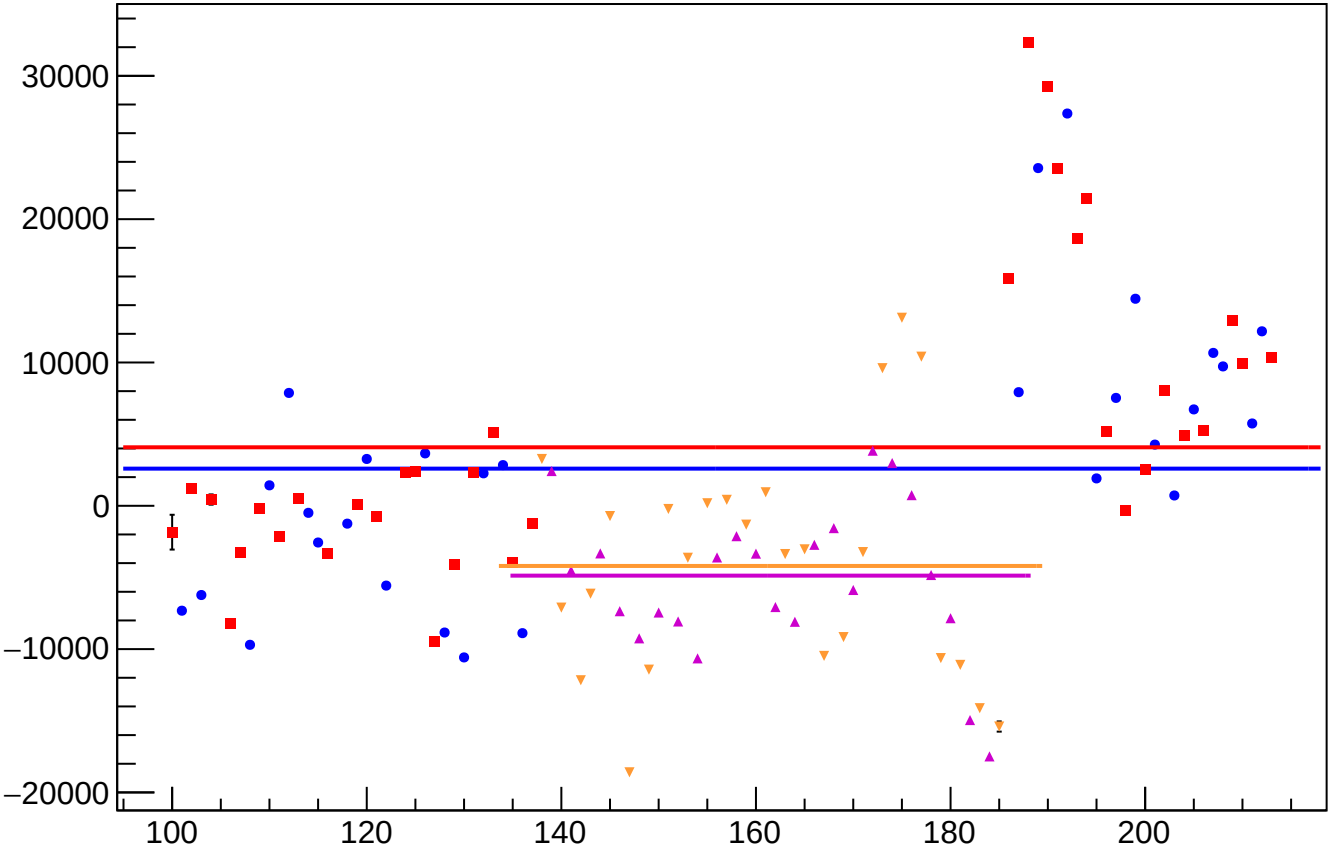
Right: 122.815+/-0.015 χ^2/NDF: 4489731.4/62

In: 121.295+/-0.015 χ^2/NDF:3637955.7/51

Out: 120.374+/-0.014 χ^2/NDF:4024115.0/58

All: 120.815+/-0.010 χ^2/NDF: 7664061.6/110

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 2593.154+/-30.651 χ^2/NDF: 88785.3/28

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

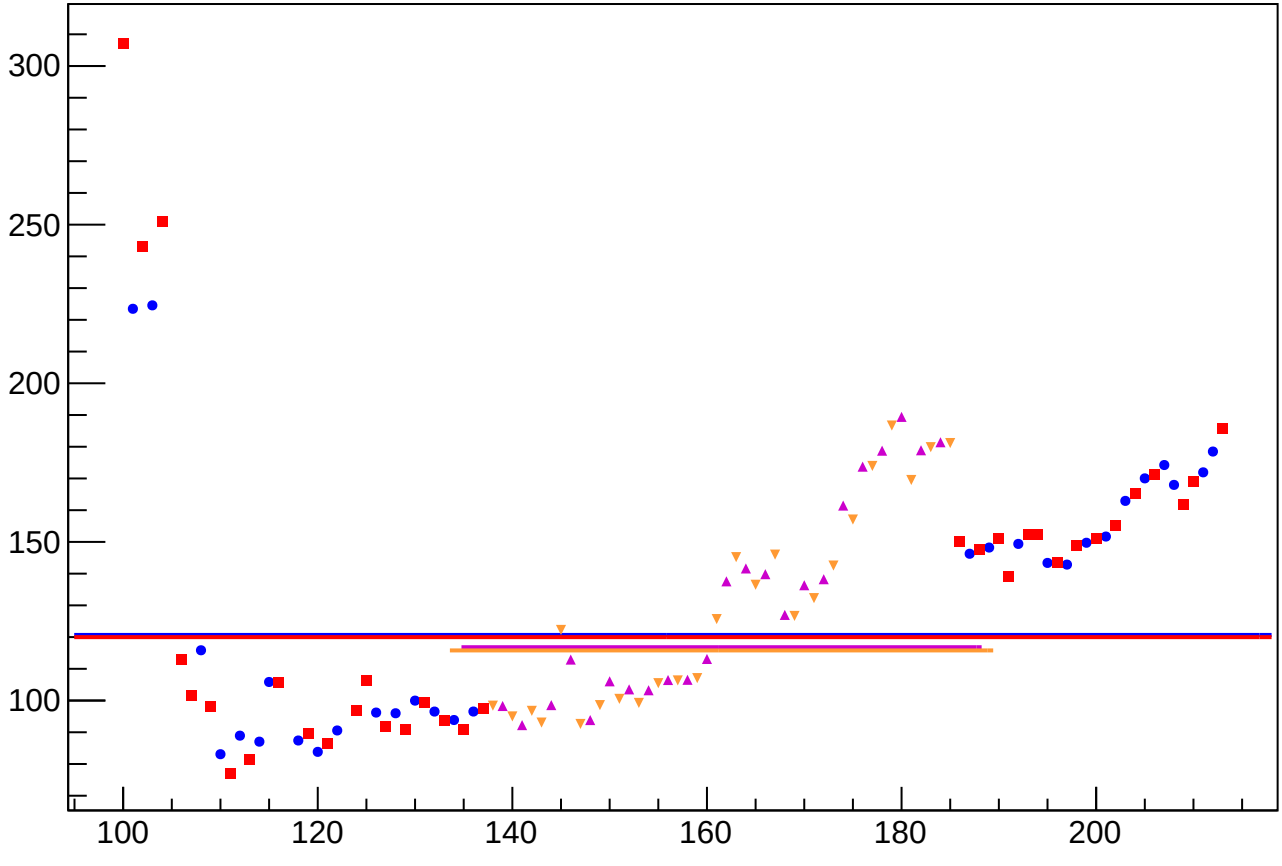
Right: 3374.523+/-21.127 χ^2/NDF: 196923.2/62

In: -1450.368+/-20.753 χ^2/NDF:143843.6/51

Out: -343.906+/-19.895 χ^2/NDF:220404.0/58

All: -873.780+/-14.362 χ^2/NDF: 365728.9/11

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 120.681+/-0.022 χ^2/NDF: 2758345.4/28

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

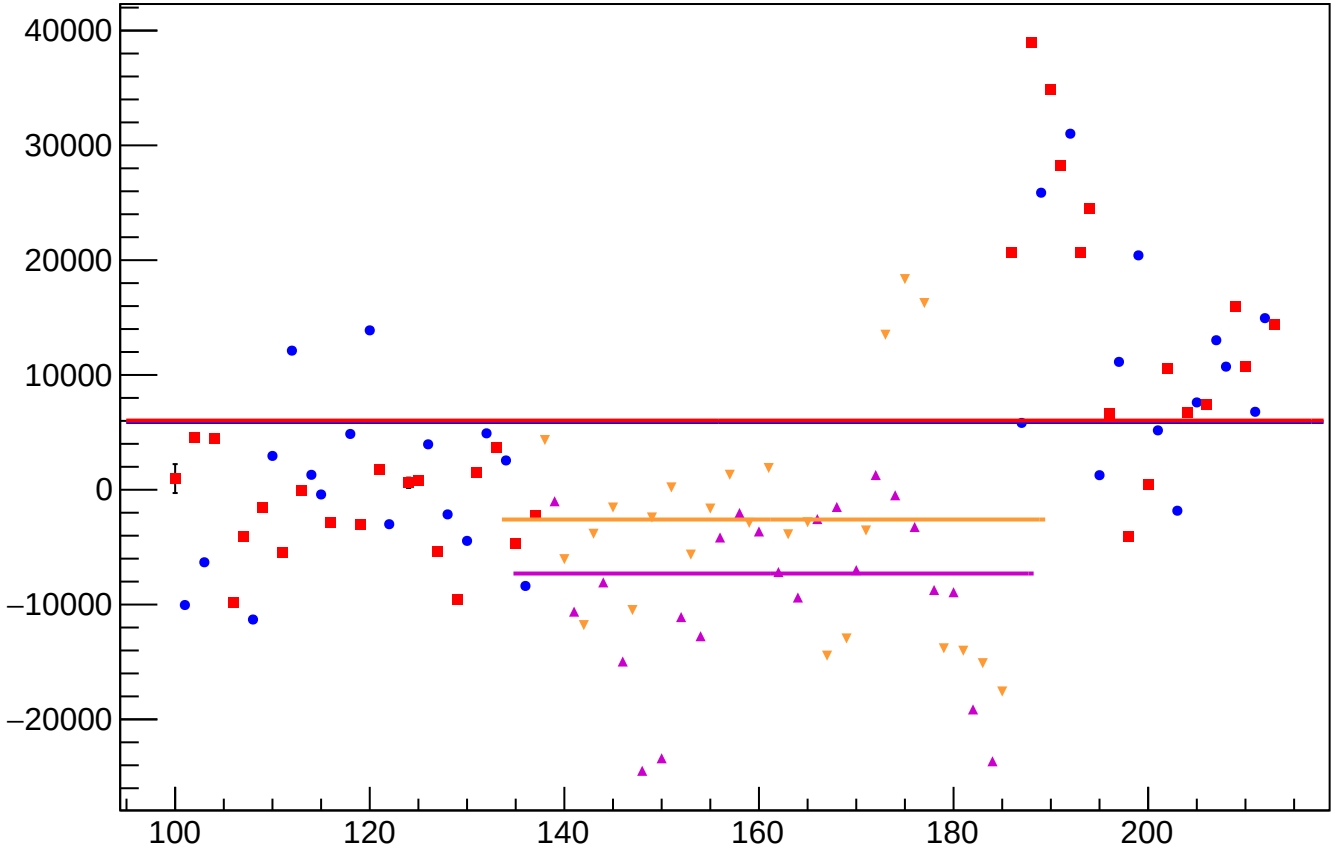
Right: 120.315+/-0.015 χ^2/NDF: 5933490.0/62

In: 118.584+/-0.015 χ^2/NDF:4393281.4/51

Out: 117.746+/-0.014 χ^2/NDF:4945646.9/58

All: 118.147+/-0.010 χ^2/NDF: 9340626.6/110

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 5904.274+/-40.367 χ^2/NDF: 65911.4/28

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

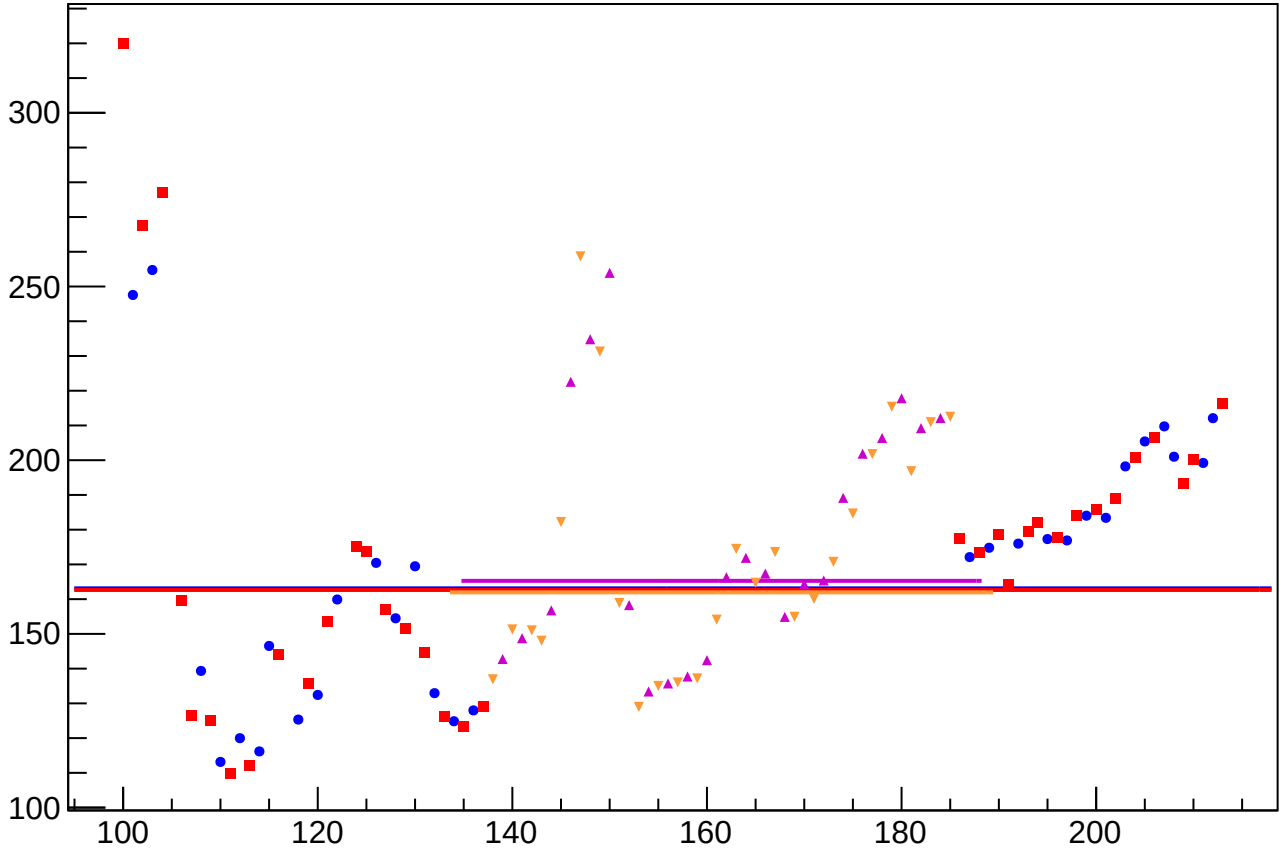
Right: 5968.279+/-27.863 χ^2/NDF: 167388.6/62

In: -826.595+/-28.260 χ^2/NDF:145181.7/51

Out: 1619.868+/-26.918 χ^2/NDF:175078.7/58

All: 456.099+/-19.491 χ^2/NDF: 324189.8/110

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 163.109+/-0.029 χ^2/NDF: 1503223.3/28

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

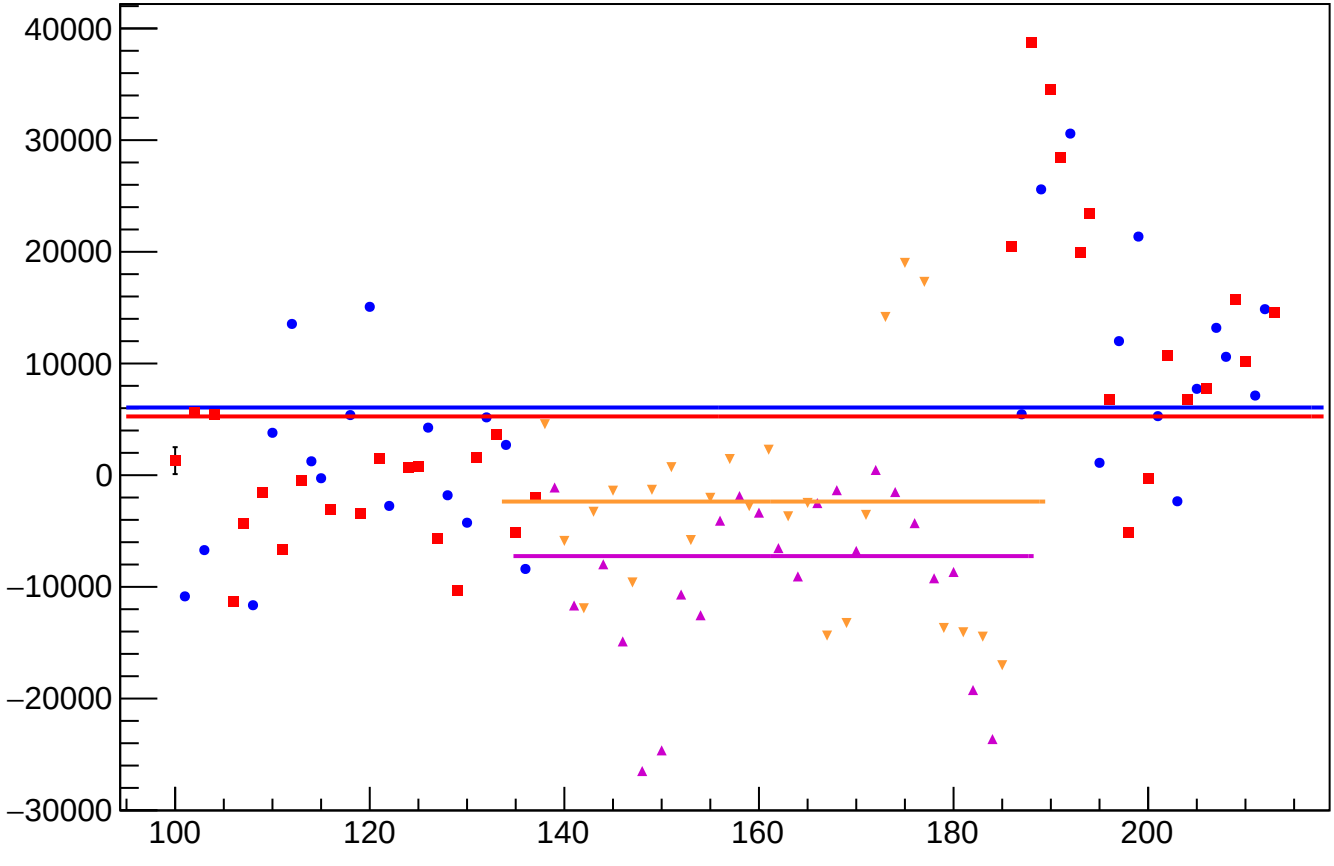
Right: 162.865+/-0.020 χ^2/NDF: 3199462.0/62

In: 164.212+/-0.020 χ^2/NDF:2685243.4/51

Out: 162.292+/-0.019 χ^2/NDF:2841232.2/58

All: 163.206+/-0.014 χ^2/NDF: 5531315.6/110

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 6061.117+/-34.343 χ^2/NDF: 91701.4/28

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

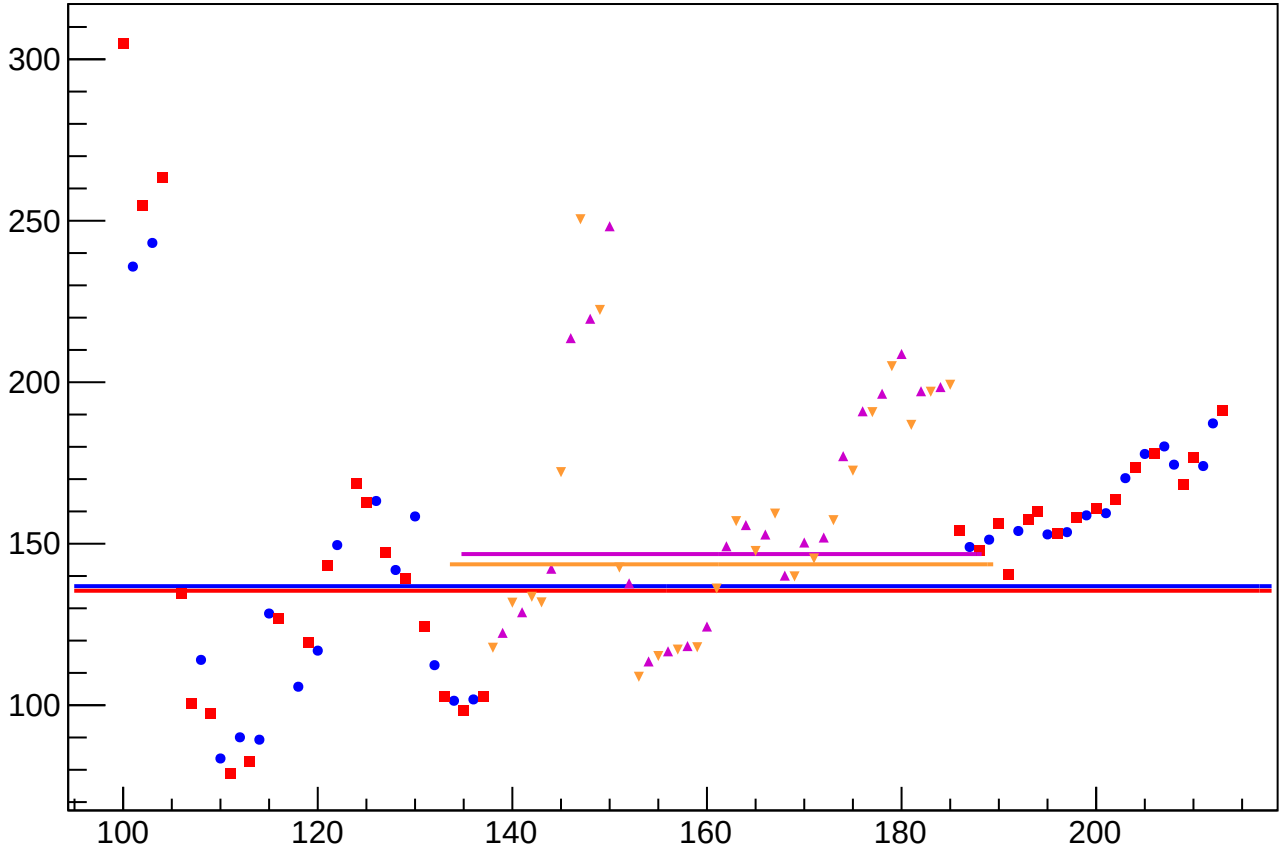
Right: 5639.613+/-23.644 χ^2/NDF: 233518.1/62

In: -370.023+/-24.685 χ^2/NDF:194704.2/51

Out: 1573.701+/-23.424 χ^2/NDF:226528.3/58

All: 652.757+/-16.992 χ^2/NDF: 424494.9/110

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 136.857+/-0.024 χ^2/NDF: 2231246.9/28

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

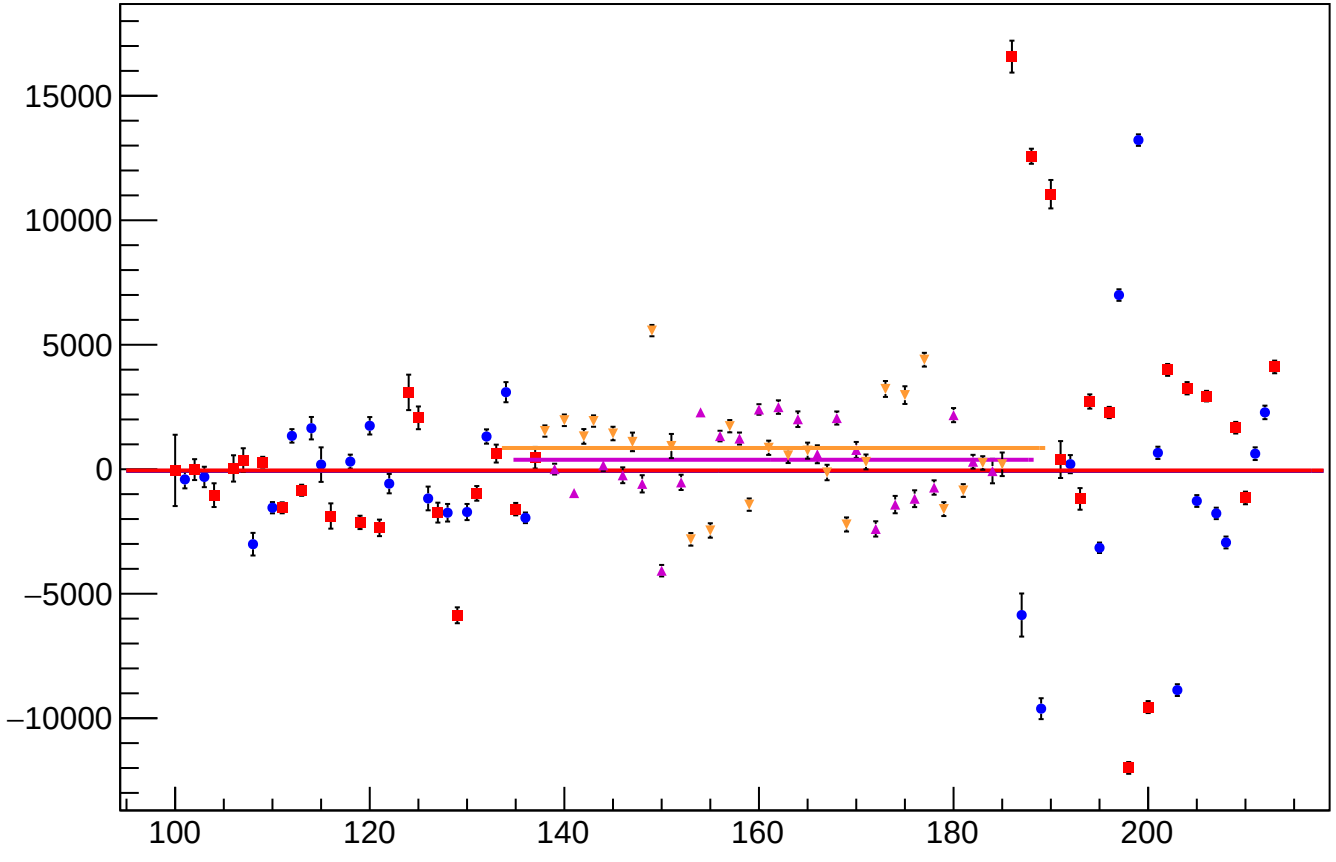
Right: 136.111+/-0.017 χ^2/NDF: 4882170.9/62

In: 141.660+/-0.017 χ^2/NDF:4006686.0/51

Out: 139.397+/-0.017 χ^2/NDF:4372909.8/58

All: 140.469+/-0.012 χ^2/NDF: 8388435.0/110

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -67.815+/-54.199 χ^2/NDF: 7087.3/28

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

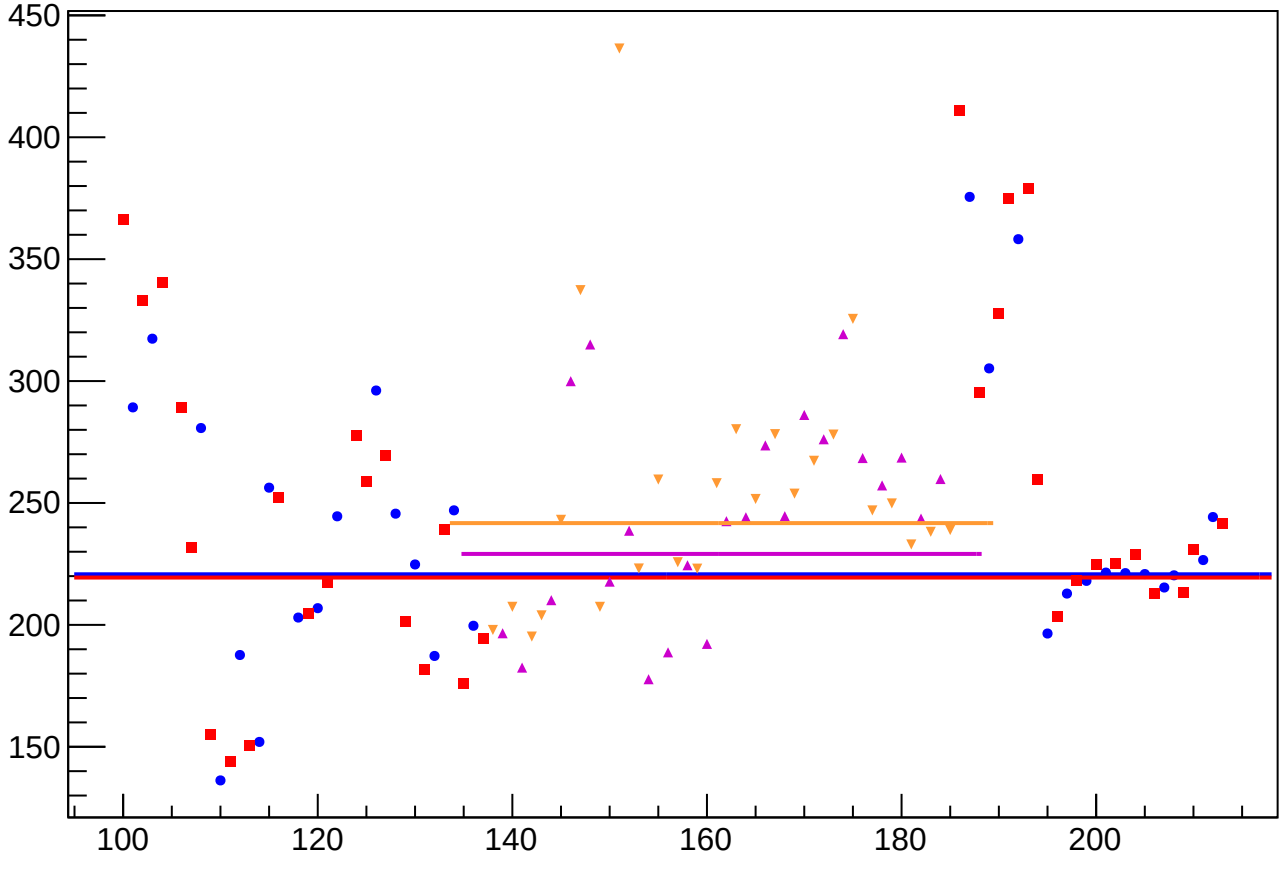
Right: -58.591+/-37.592 χ^2/NDF: 15845.3/62

In: 152.684+/-38.651 χ^2/NDF:8103.4/51

Out: 368.198+/-38.252 χ^2/NDF:10340.6/58

All: 261.559+/-27.188 χ^2/NDF: 18459.7/110

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 220.750+/-0.038 χ^2/NDF: 1189147.7/28

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

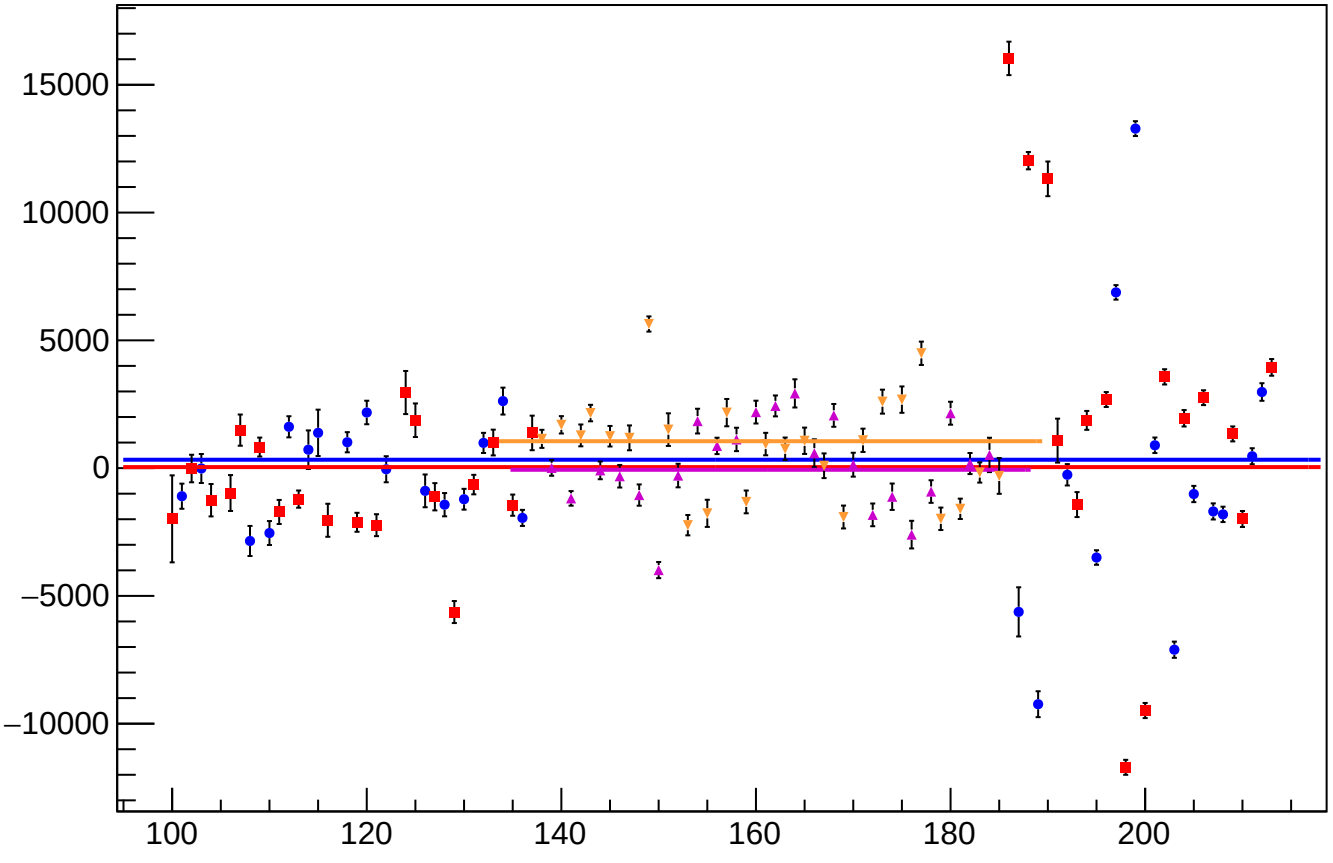
Right: 220.057+/-0.027 χ^2/NDF: 3121378.6/62

In: 224.855+/-0.027 χ^2/NDF:2281457.0/51

Out: 229.747+/-0.027 χ^2/NDF:3087451.7/58

All: 227.326+/-0.019 χ^2/NDF: 5385091.5/110

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 328.298+/-72.627 χ^2/NDF: 4033.7/28

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

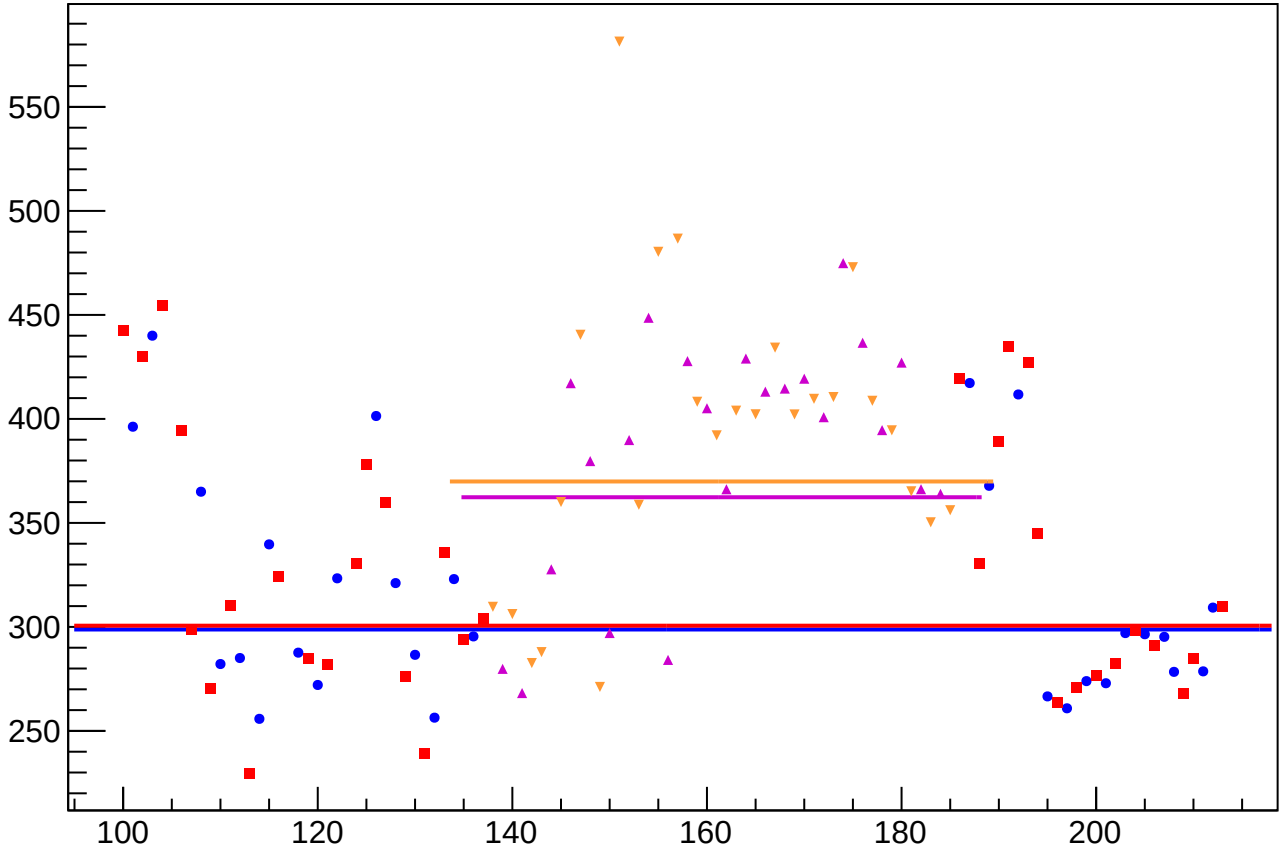
Right: 179.221+/-50.470 χ^2/NDF: 9730.5/62

In: 166.177+/-55.664 χ^2/NDF:4440.2/51

Out: 445.703+/-54.349 χ^2/NDF:6386.8/58

All: 309.279+/-38.887 χ^2/NDF: 10839.9/110

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 298.762+/-0.051 χ^2/NDF: 664804.2/28

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

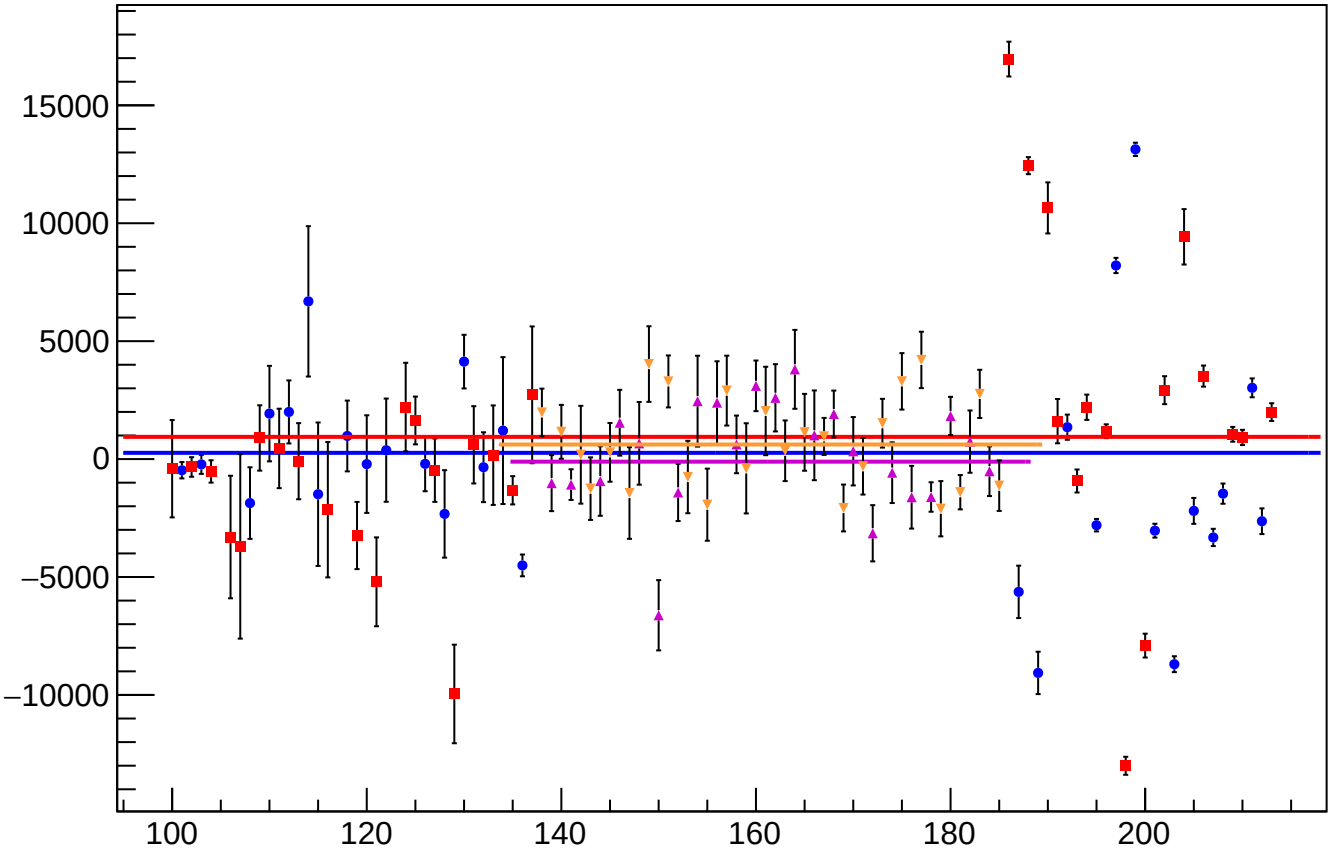
Right: 299.706+/-0.036 χ^2/NDF: 1620167.6/62

In: 324.994+/-0.039 χ^2/NDF:2350563.4/51

Out: 328.347+/-0.038 χ^2/NDF:2966465.9/58

All: 326.710+/-0.027 χ^2/NDF: 5320744.4/110

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 264.959+/-94.430 χ^2/NDF: 4152.1/28

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

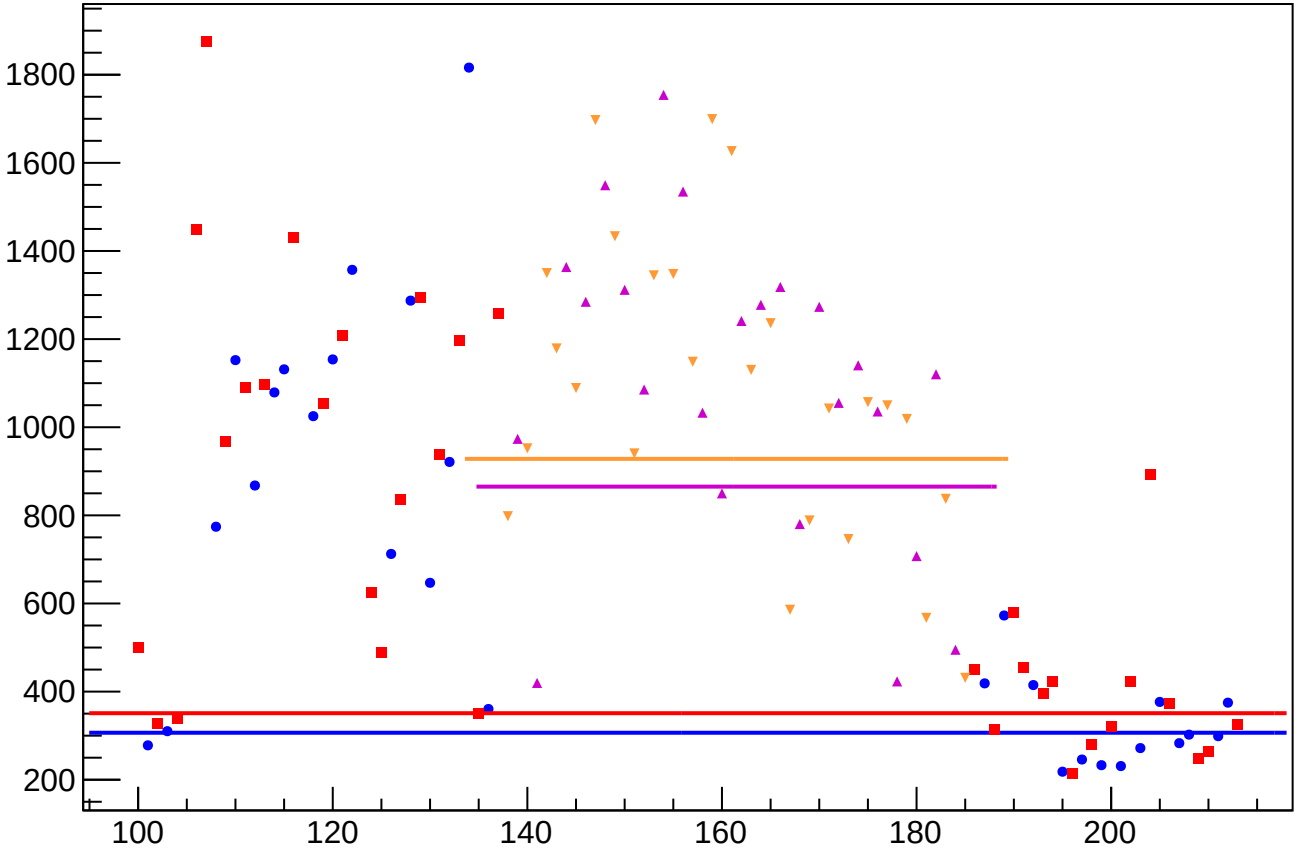
Right: 576.439+/-69.419 χ^2/NDF: 7593.1/62

In: 213.962+/-87.765 χ^2/NDF:4226.0/51

Out: 892.136+/-94.072 χ^2/NDF:3484.6/58

All: 529.552+/-64.173 χ^2/NDF: 7738.4/110

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 306.649+/-0.067 χ^2/NDF: 5185122.1/28

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

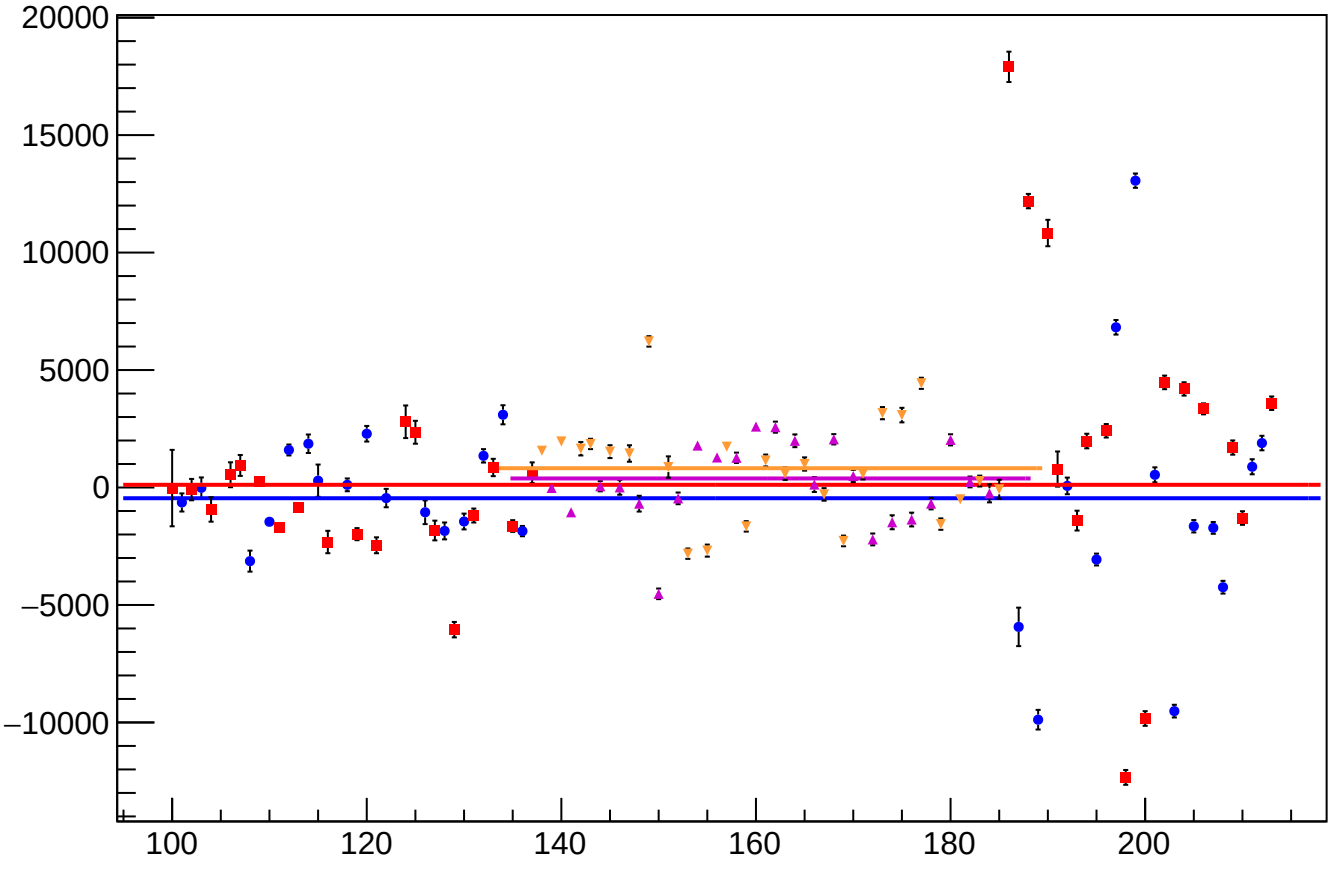
Right: 327.030+/-0.049 χ^2/NDF: 11548238.5/62

In: 382.716+/-0.062 χ^2/NDF:19507756.4/51

Out: 441.066+/-0.067 χ^2/NDF:19371926.6/58

All: 409.869+/-0.045 χ^2/NDF: 39291075.8/11

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -456.618+/-58.084 χ^2/NDF: 5053.9/28

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

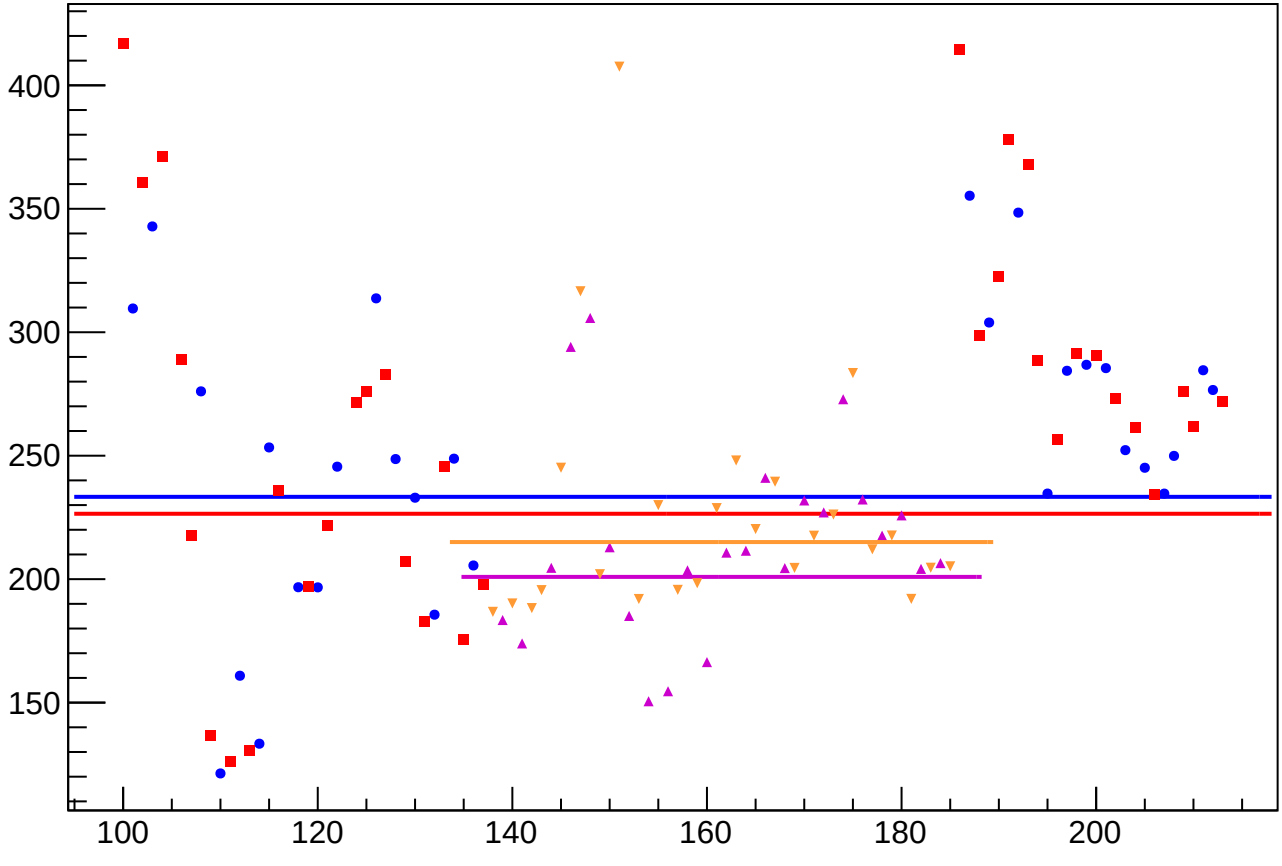
Right: -154.976+/-39.911 χ^2/NDF: 12043.5/62

In: 39.647+/-37.208 χ^2/NDF:6430.9/51

Out: 500.965+/-36.975 χ^2/NDF:9019.6/58

All: 271.754+/-26.227 χ^2/NDF: 15527.9/110

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 233.339+/-0.041 χ^2/NDF: 1954638.7/28

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

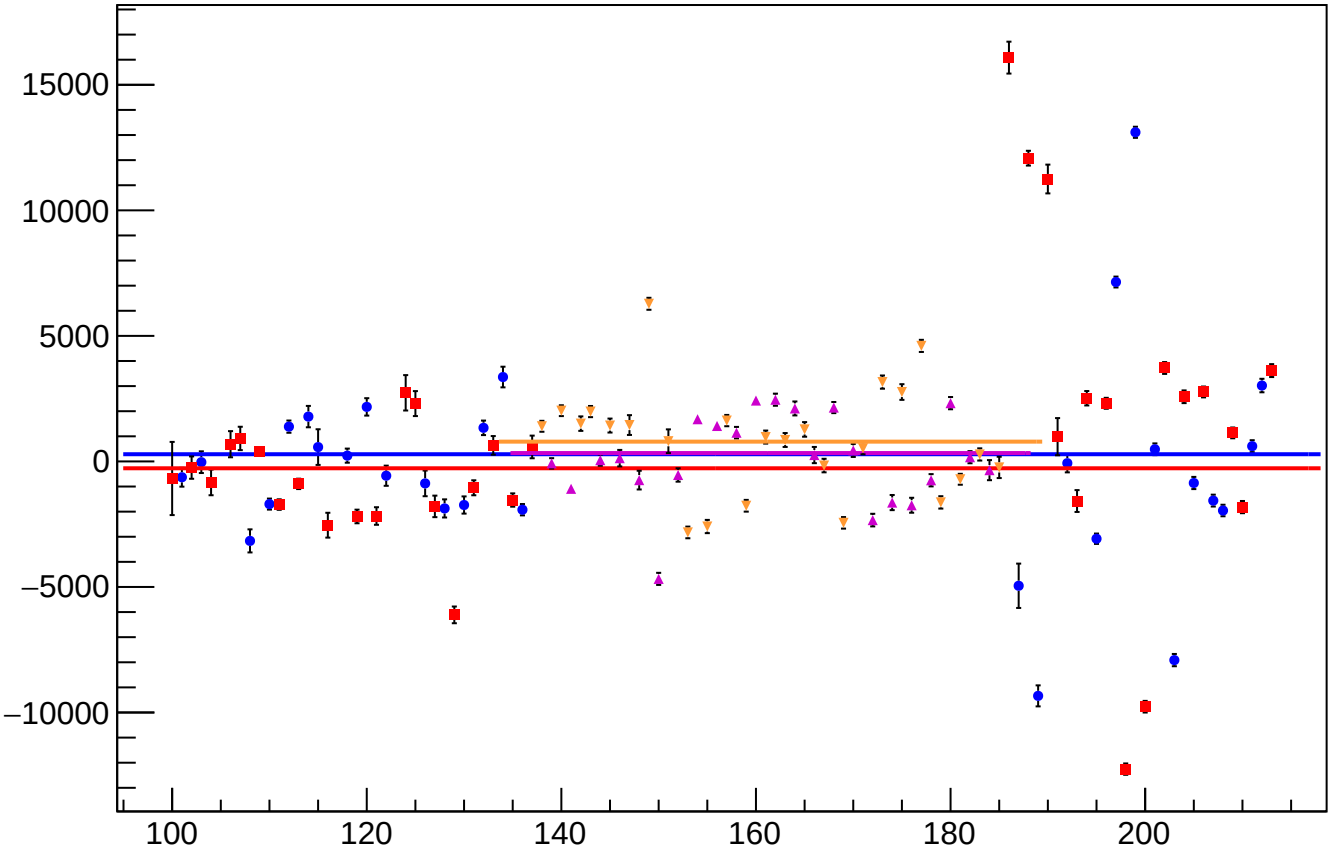
Right: 229.720+/-0.028 χ^2/NDF: 5196682.2/62

In: 214.221+/-0.026 χ^2/NDF:3427922.6/51

Out: 220.217+/-0.026 χ^2/NDF:4172704.0/58

All: 217.238+/-0.019 χ^2/NDF: 7626758.1/110

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 286.669+/-53.704 χ^2/NDF: 7043.4/28

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

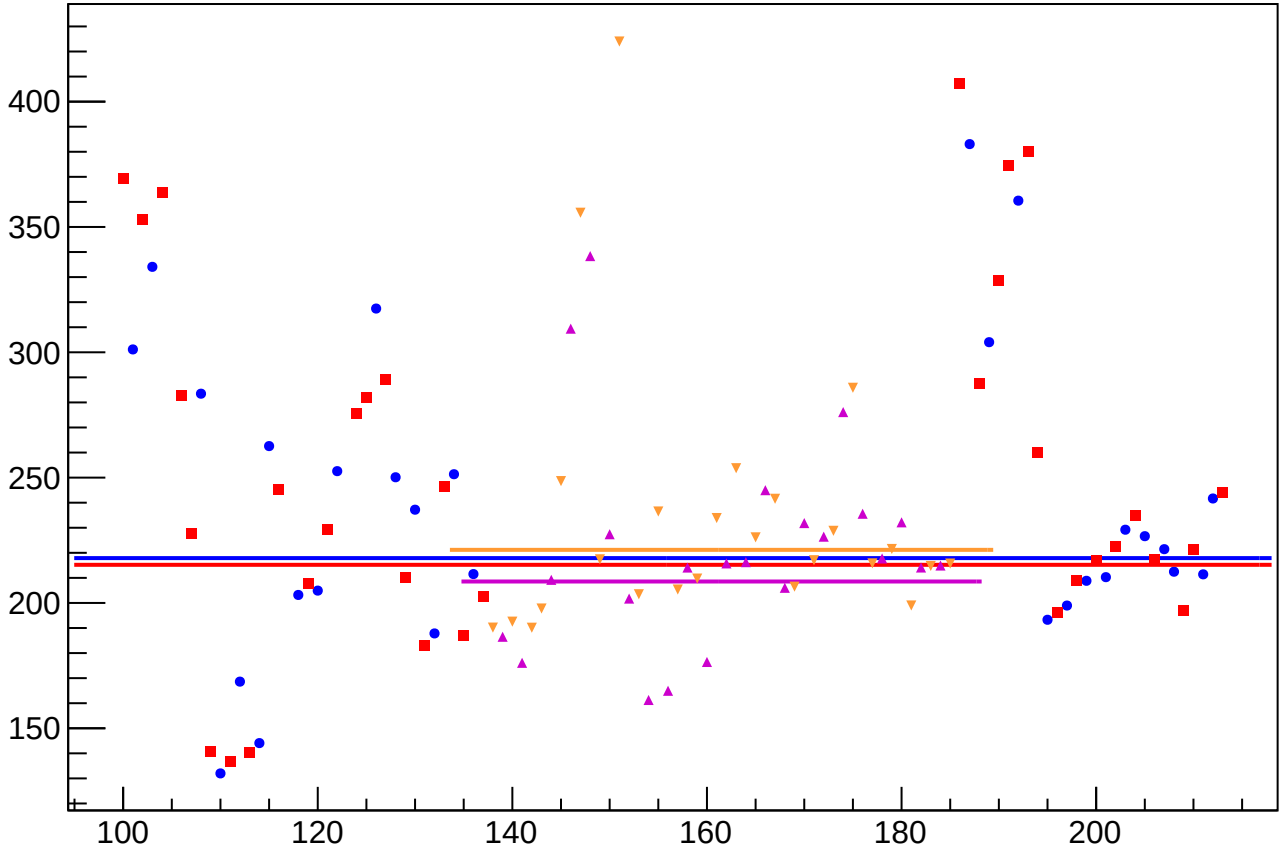
Right: -5.068+/-37.166 χ^2/NDF: 16158.6/62

In: 311.559+/-36.671 χ^2/NDF:8259.0/51

Out: 258.091+/-36.385 χ^2/NDF:11161.6/58

All: 284.616+/-25.828 χ^2/NDF: 19421.6/110

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 217.891+/-0.038 χ^2/NDF: 1429447.3/28

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

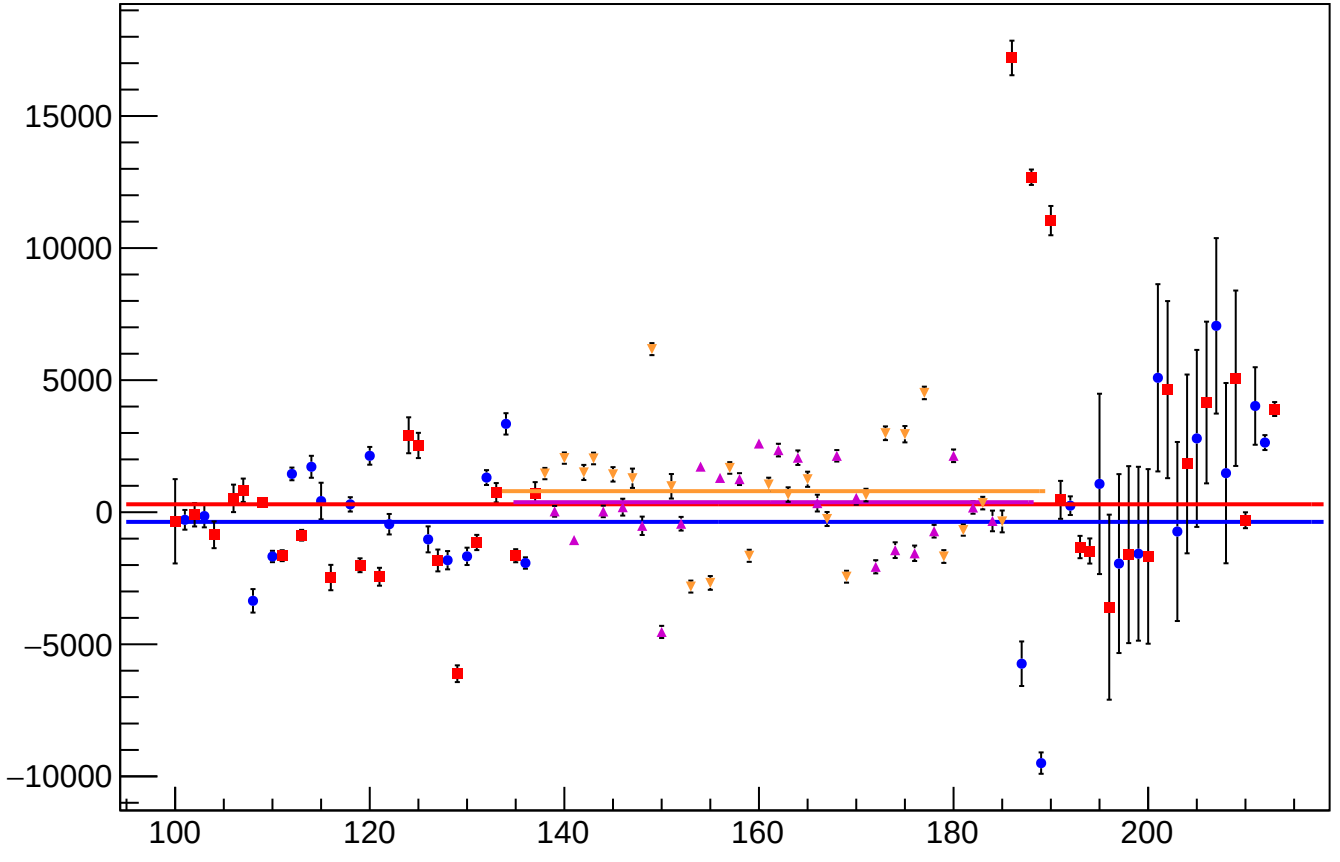
Right: 216.496+/-0.026 χ^2/NDF: 3738455.4/62

In: 212.908+/-0.026 χ^2/NDF:2497335.1/51

Out: 218.203+/-0.026 χ^2/NDF:3259405.3/58

All: 215.577+/-0.018 χ^2/NDF: 5777753.1/110

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -365.860+/-73.608 χ^2/NDF: 1117.1/28

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 300.625+/-64.397 χ^2/NDF: 3938.0/33

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

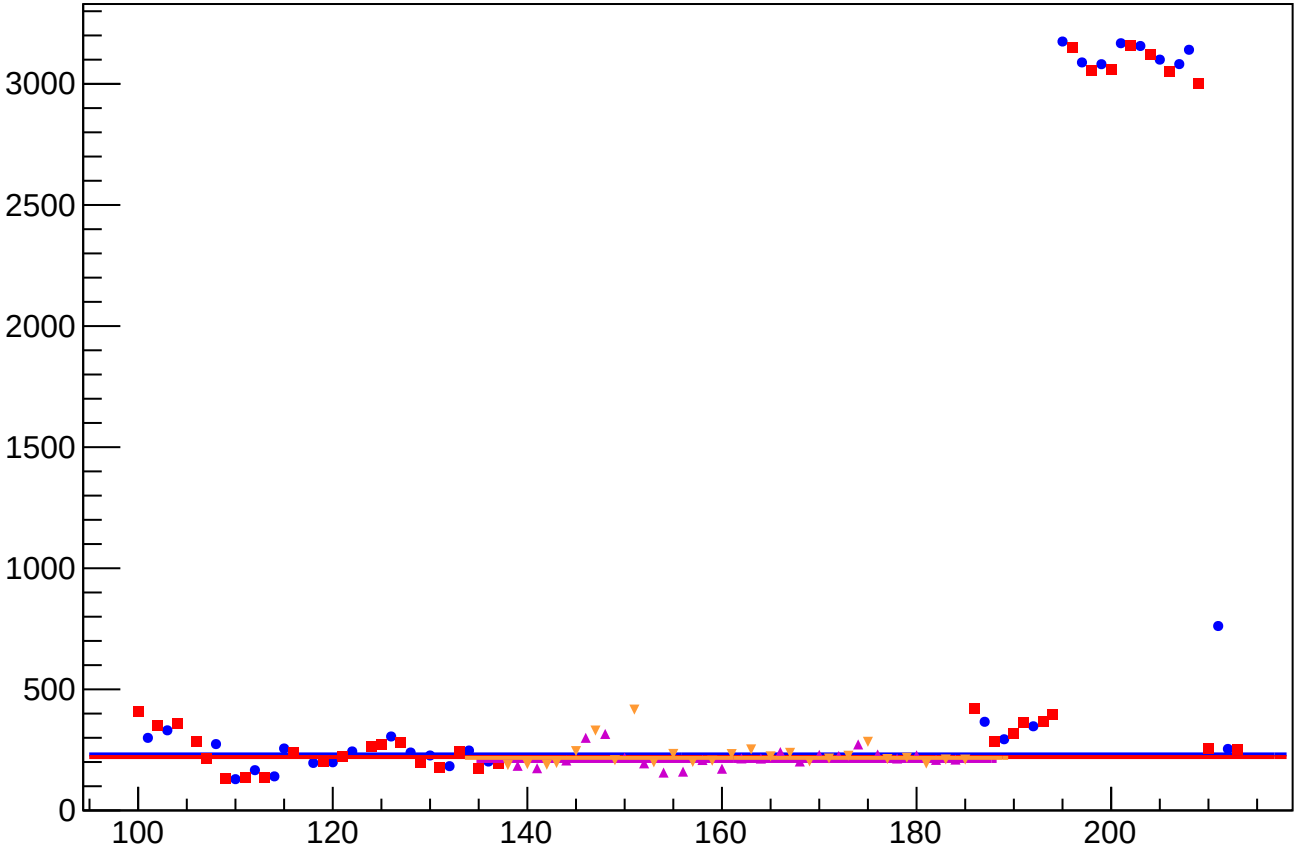
Right: 11.667+/-48.467 χ^2/NDF: 5101.5/62

In: 149.490+/-40.894 χ^2/NDF:2389.2/51

Out: 608.302+/-39.736 χ^2/NDF:5935.7/58

All: 385.486+/-28.498 χ^2/NDF: 8389.6/110

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 231.390+/-0.052 χ^2/NDF: 13342278.8/28

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

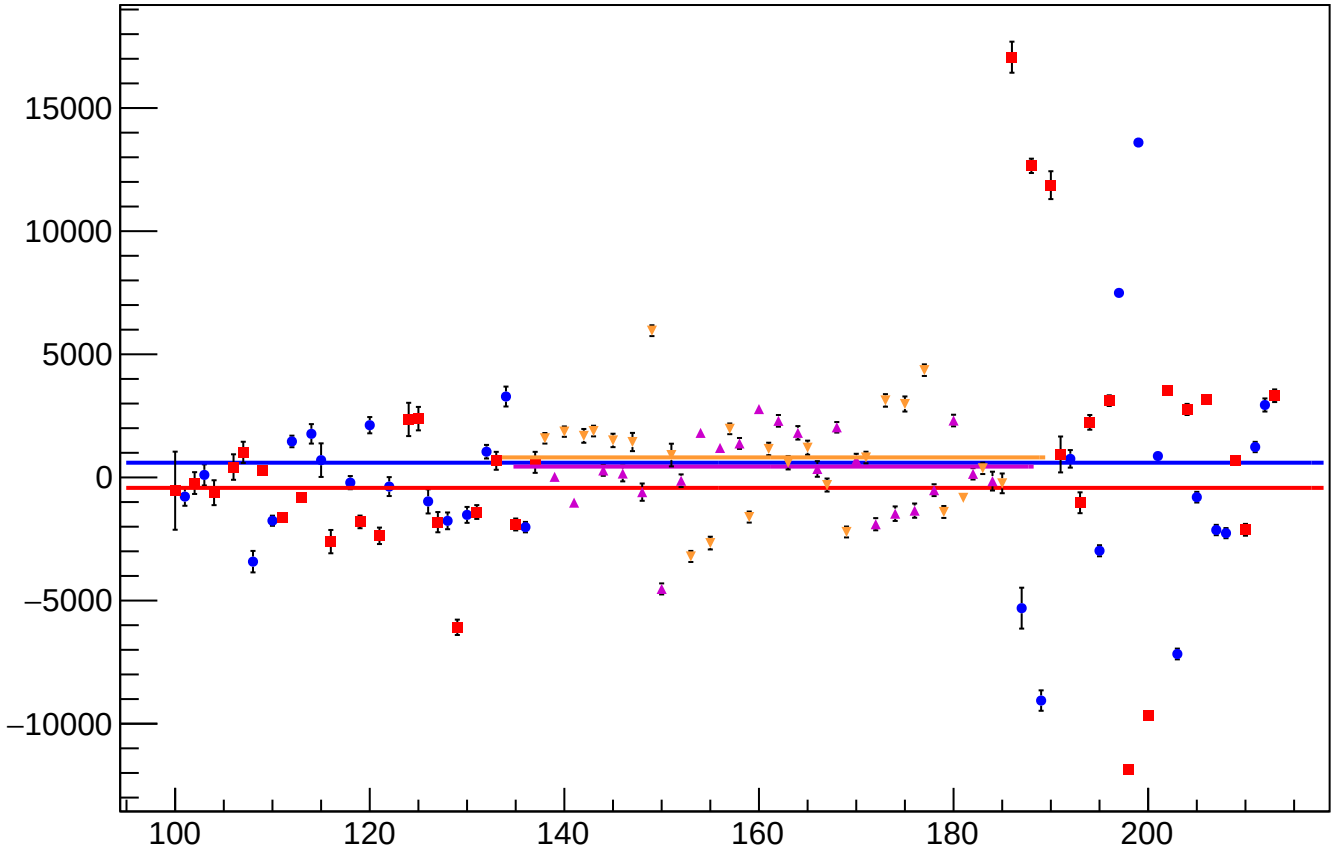
Right: 225.195+/-0.034 χ^2/NDF: 26521884.5/62

In: 212.667+/-0.029 χ^2/NDF:14544491.7/51

Out: 218.454+/-0.028 χ^2/NDF:14068162.8/58

All: 215.644+/-0.020 χ^2/NDF: 28633256.0/1

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 597.911+/-49.936 χ^2/NDF: 9210.1/28

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

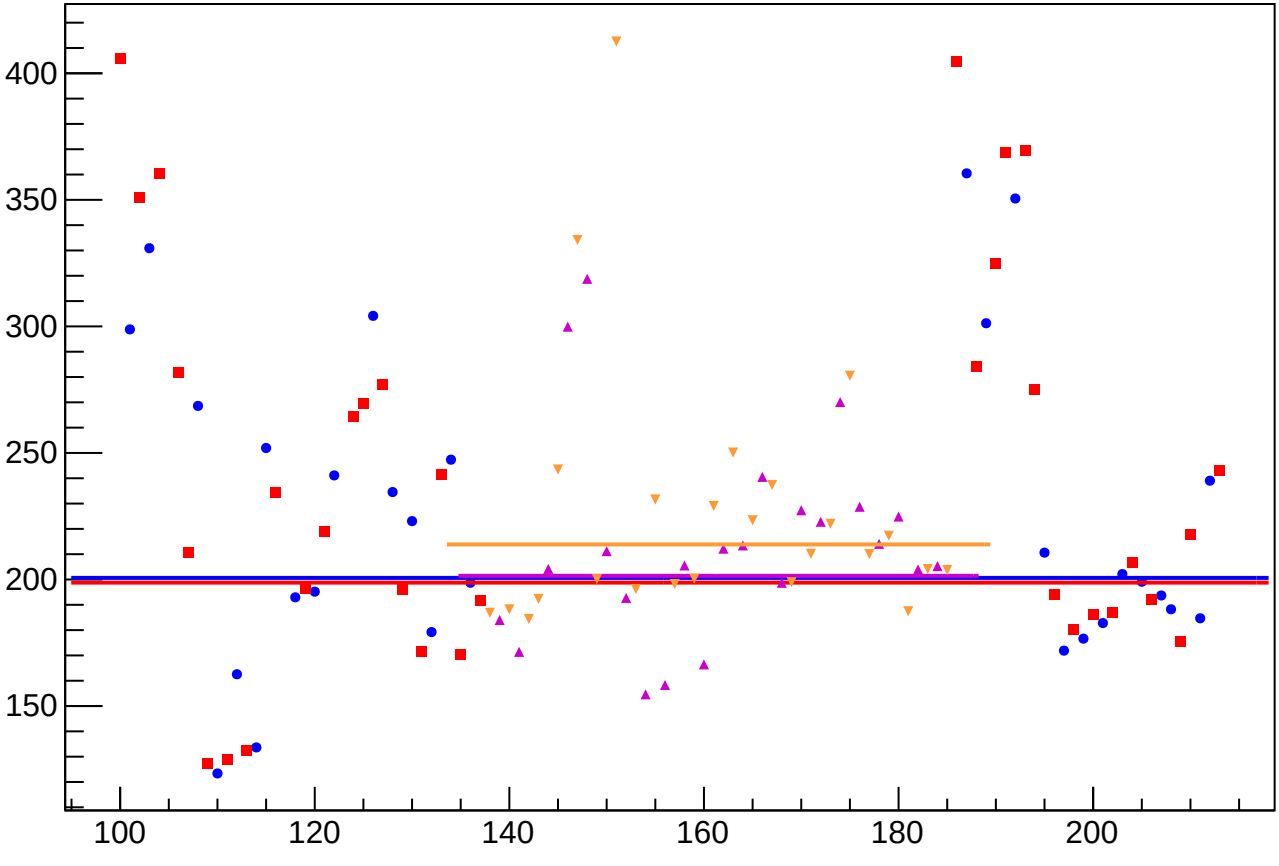
Right: 67.055+/-34.619 χ^2/NDF: 20366.8/62

In: 516.542+/-34.804 χ^2/NDF:10450.2/51

Out: 173.231+/-34.560 χ^2/NDF:13260.2/58

All: 343.676+/-24.524 χ^2/NDF: 23759.4/110

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.637+/-0.035 χ^2/NDF: 1664085.0/28

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

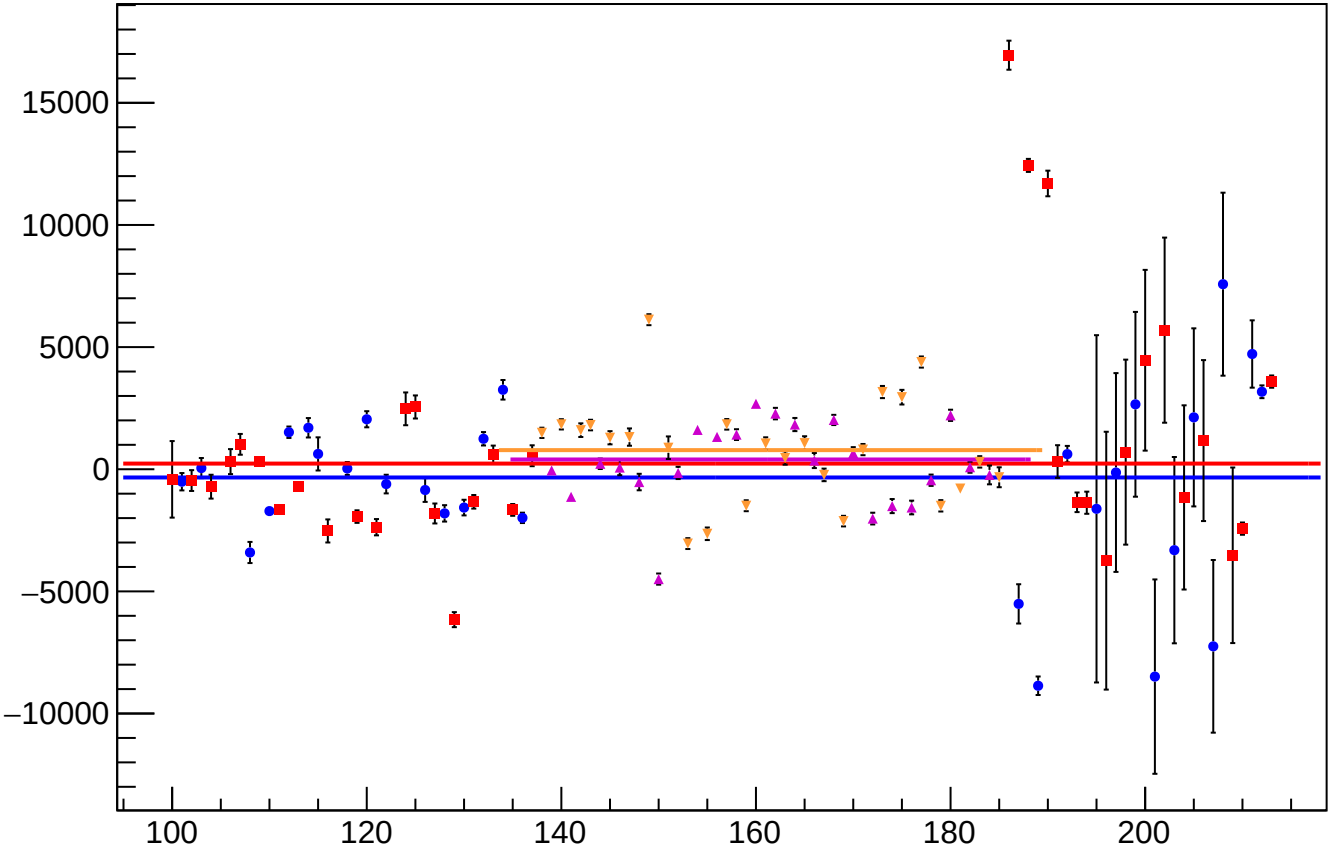
Right: 199.669+/-0.024 χ^2/NDF: 4405814.2/62

In: 201.053+/-0.025 χ^2/NDF:2726326.7/51

Out: 206.045+/-0.024 χ^2/NDF:3798877.6/58

All: 203.567+/-0.017 χ^2/NDF: 6545923.0/110

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -337.003+/-71.067 χ^2/NDF: 1216.6/28

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

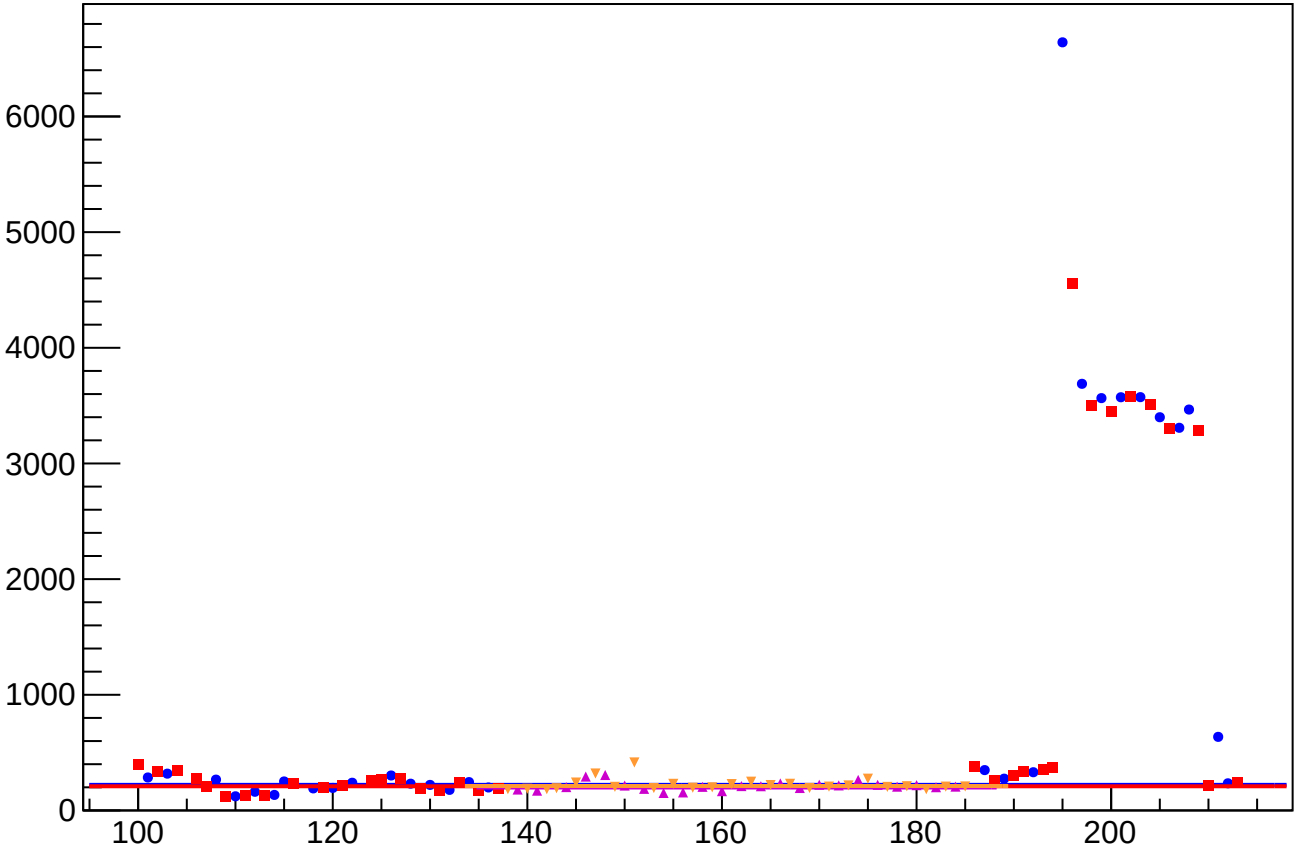
Right: -11.331+/-46.449 χ^2/NDF: 5822.6/62

In: 170.173+/-39.674 χ^2/NDF:2522.6/51

Out: 566.878+/-38.387 χ^2/NDF:6619.6/58

All: 375.063+/-27.587 χ^2/NDF: 9193.9/110

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 221.250+/-0.050 χ^2/NDF: 13725870.5/28

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

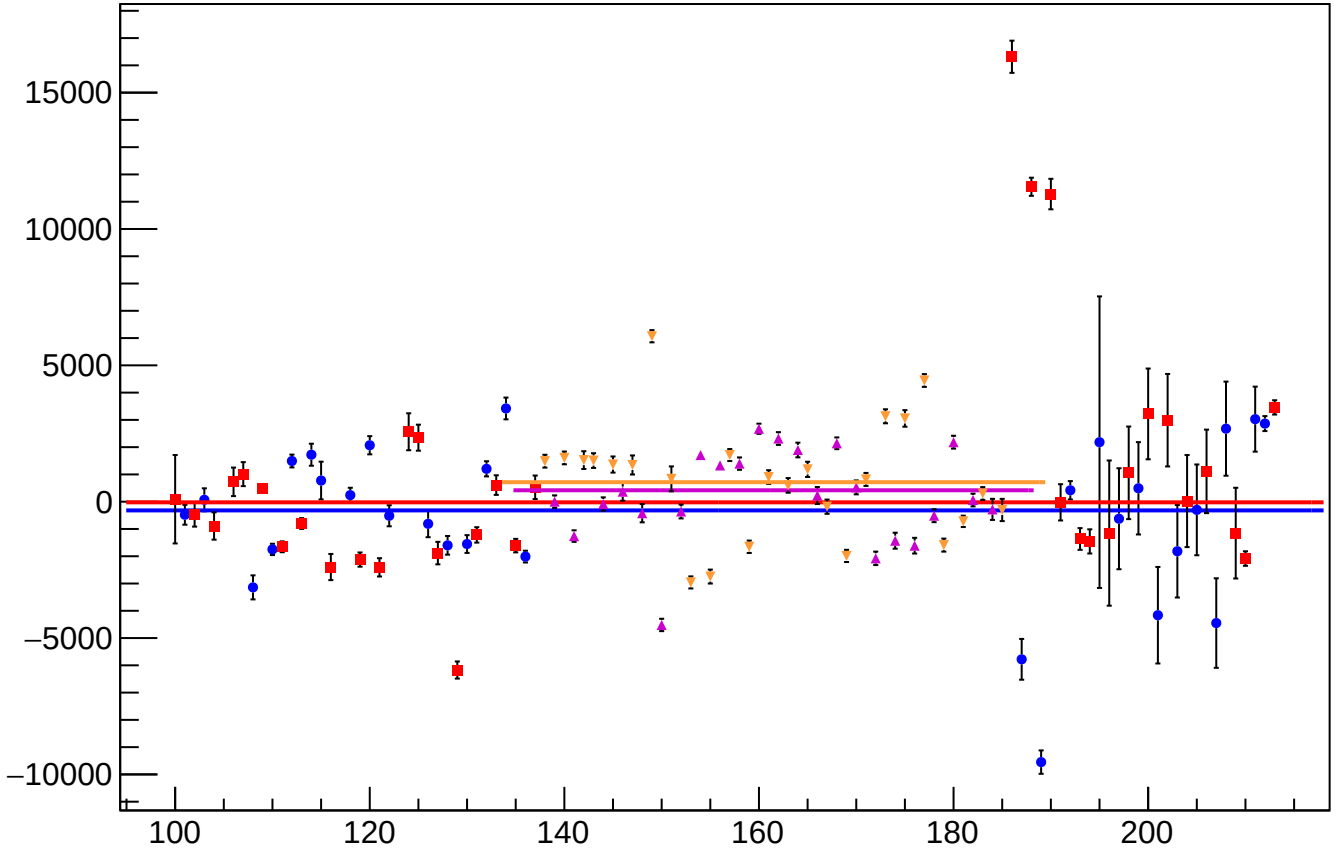
Right: 214.232+/-0.033 χ^2/NDF: 27165224.6/62

In: 205.607+/-0.028 χ^2/NDF:14873102.6/51

Out: 210.519+/-0.027 χ^2/NDF:14342303.4/58

All: 208.144+/-0.020 χ^2/NDF: 29231240.4/1

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -319.194+/-72.022 χ^2/NDF: 1121.1/28

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

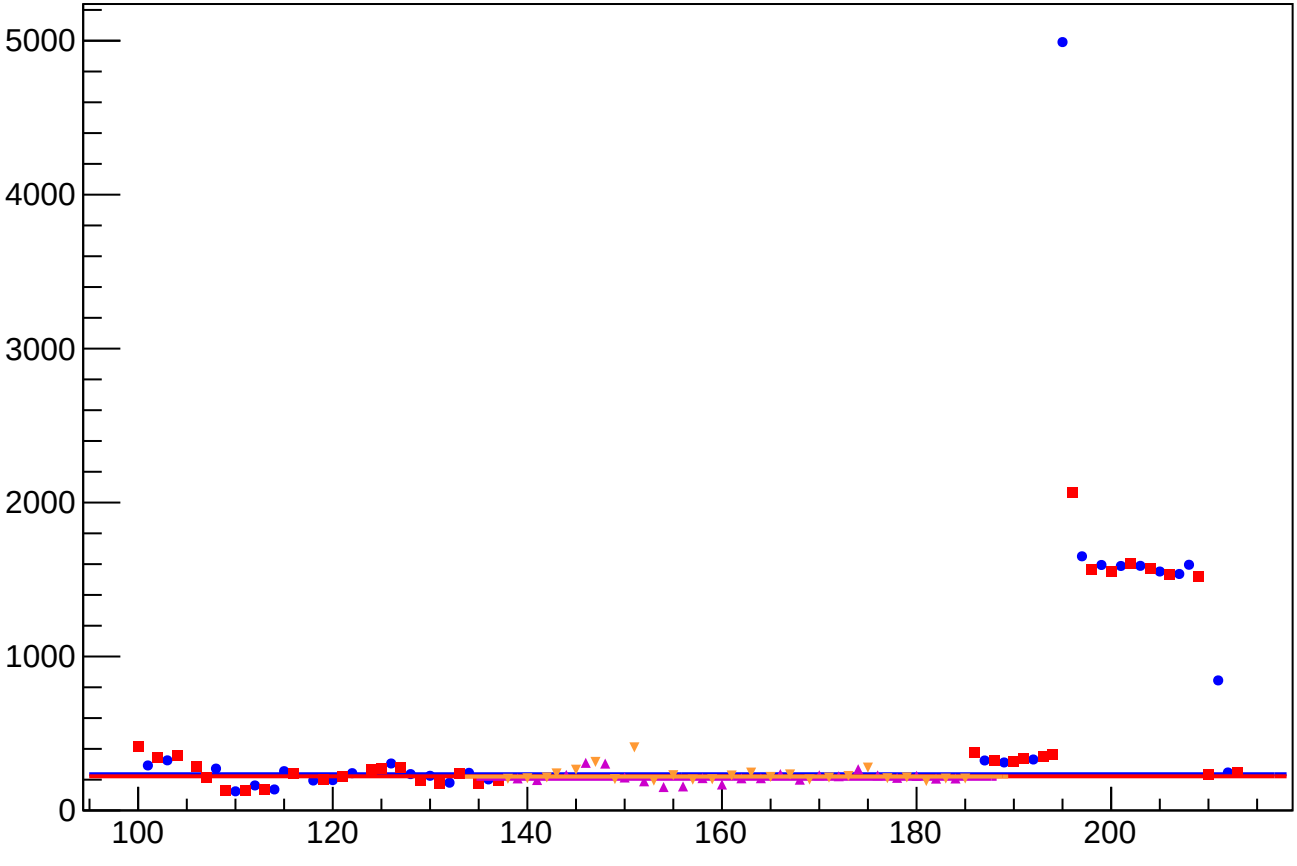
Right: -151.454+/-47.431 χ^2/NDF: 4536.9/62

In: 181.732+/-40.807 χ^2/NDF:2433.3/51

Out: 422.620+/-39.698 χ^2/NDF:5407.1/58

All: 305.494+/-28.455 χ^2/NDF: 7858.3/110

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 235.230+/-0.051 χ^2/NDF: 12300780.0/28

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

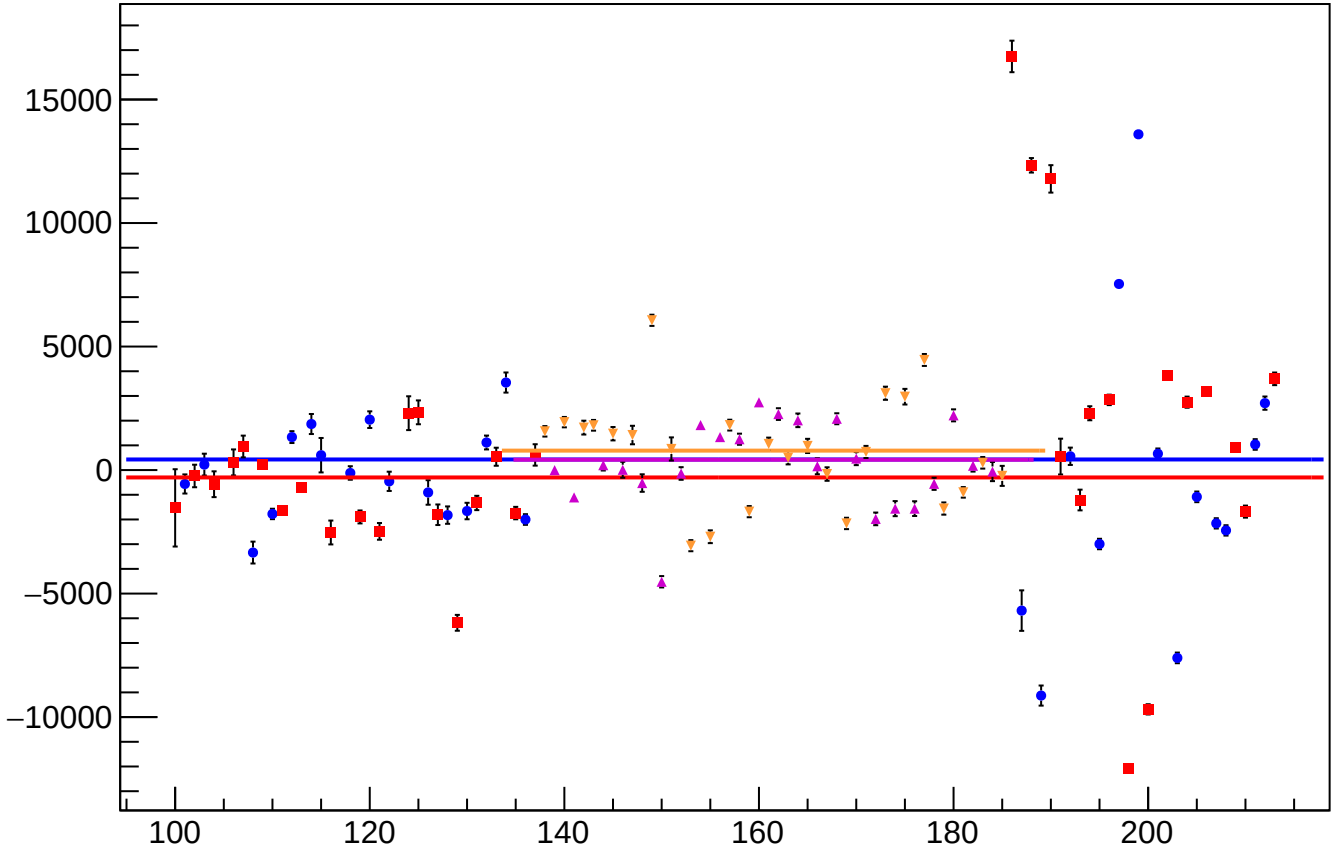
Right: 227.611+/-0.034 χ^2/NDF: 23950124.4/62

In: 215.031+/-0.029 χ^2/NDF:13546415.9/51

Out: 220.792+/-0.028 χ^2/NDF:12410333.0/58

All: 217.991+/-0.020 χ^2/NDF: 25977226.7/1

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 428.947+/-50.485 χ^2/NDF: 9197.1/28

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

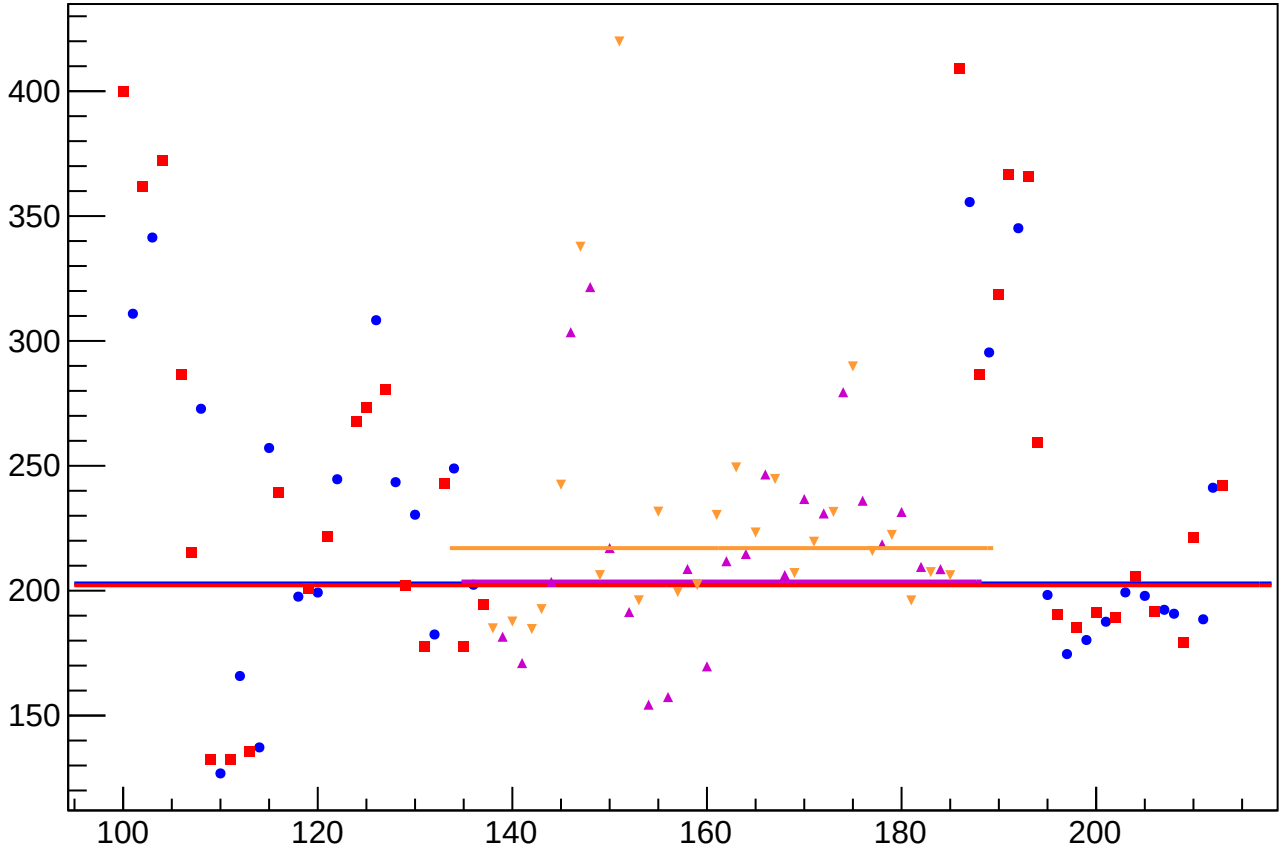
Right: 52.502+/-35.080 χ^2/NDF: 19911.7/62

In: 423.750+/-35.217 χ^2/NDF:10408.1/51

Out: 224.923+/-35.093 χ^2/NDF:12783.8/58

All: 323.984+/-24.858 χ^2/NDF: 23207.9/110

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 202.888+/-0.036 χ^2/NDF: 1610131.2/28

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

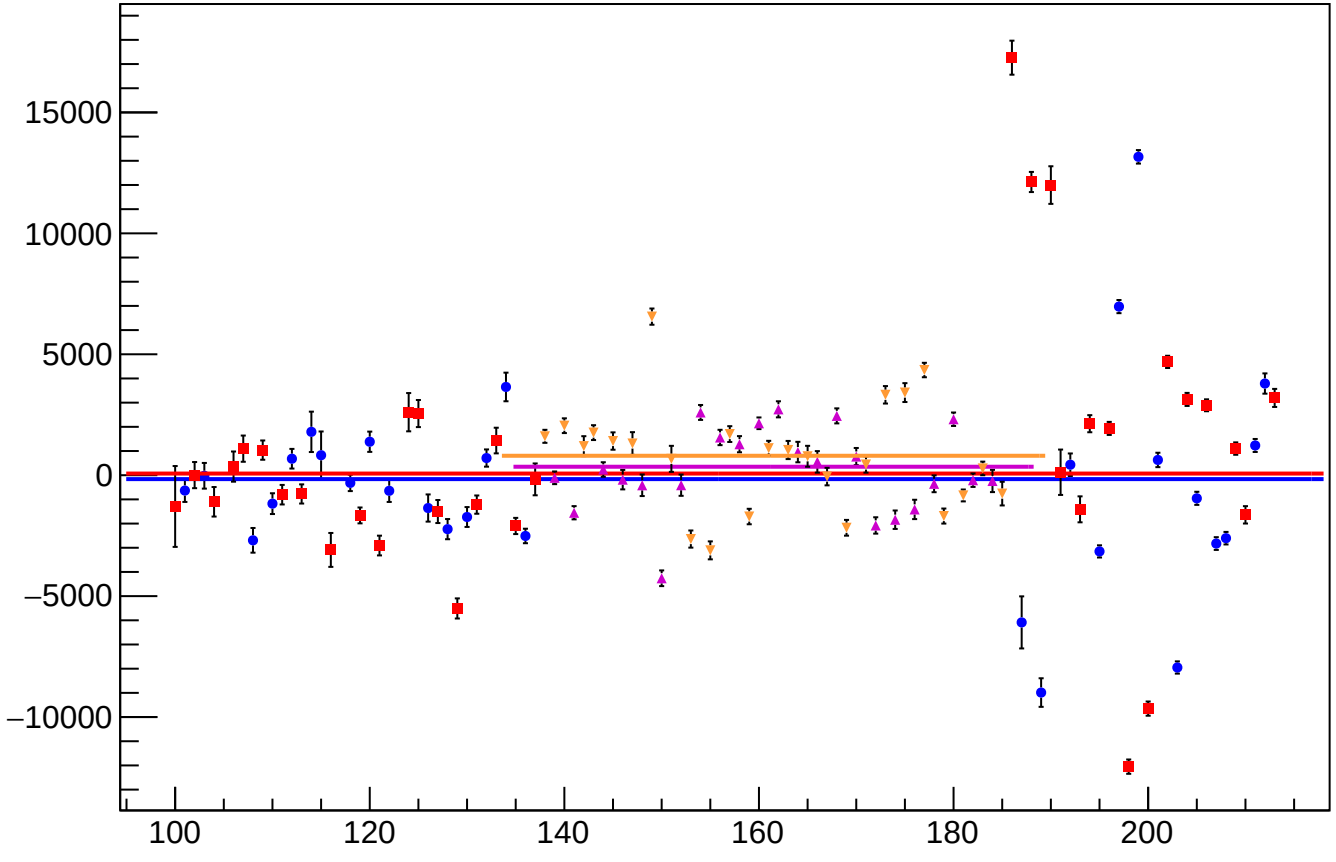
Right: 202.511+/-0.025 χ^2/NDF: 4179936.8/62

In: 203.284+/-0.025 χ^2/NDF:2775706.0/51

Out: 209.338+/-0.025 χ^2/NDF:3642567.3/58

All: 206.322+/-0.018 χ^2/NDF: 6447921.4/110

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -161.582+/-67.215 χ^2/NDF: 4842.1/28

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

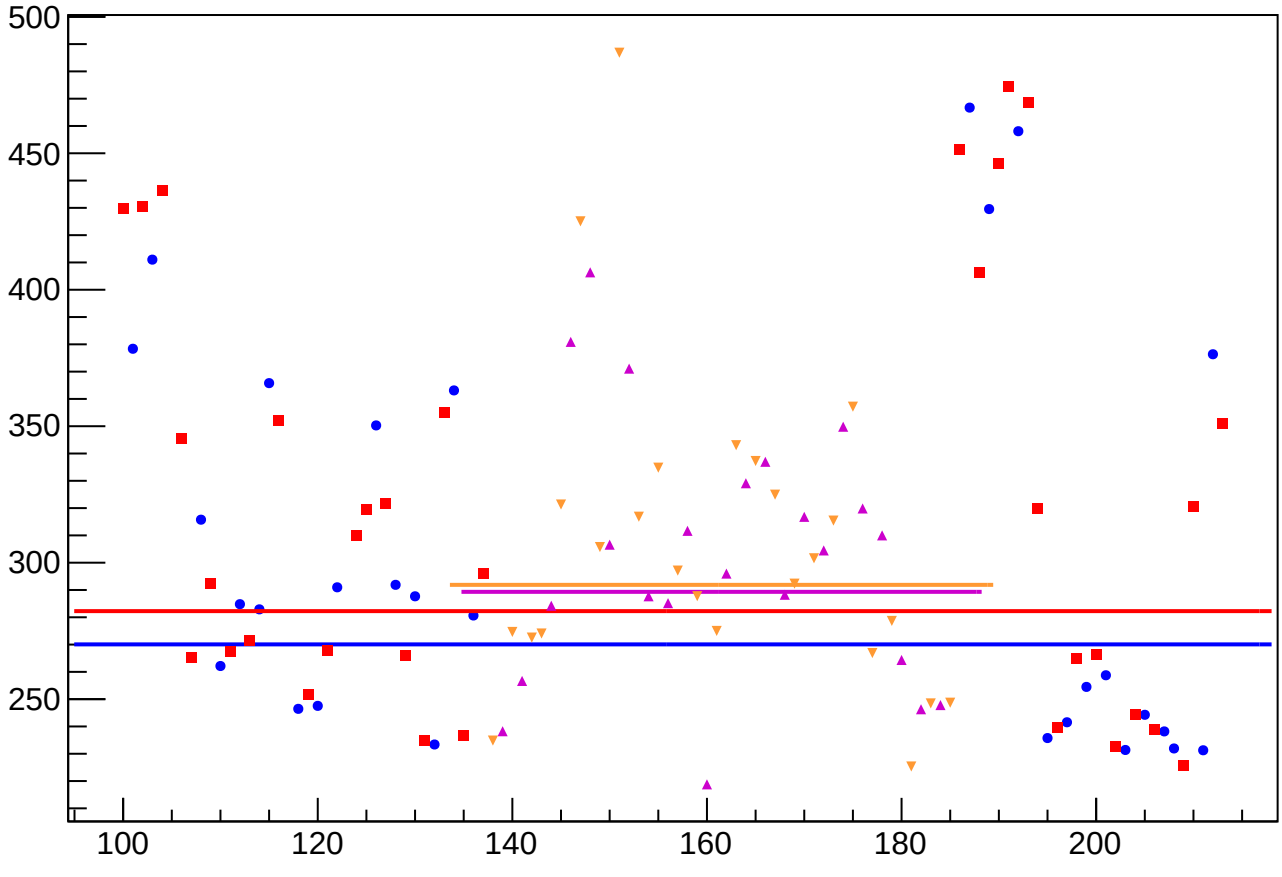
Right: -47.156+/-47.596 χ^2/NDF: 10485.3/62

In: 87.611+/-48.142 χ^2/NDF:5526.4/51

Out: 434.288+/-47.765 χ^2/NDF:6754.4/58

All: 262.311+/-33.907 χ^2/NDF: 12306.9/110

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 270.070+/-0.048 χ^2/NDF: 1342604.4/28

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

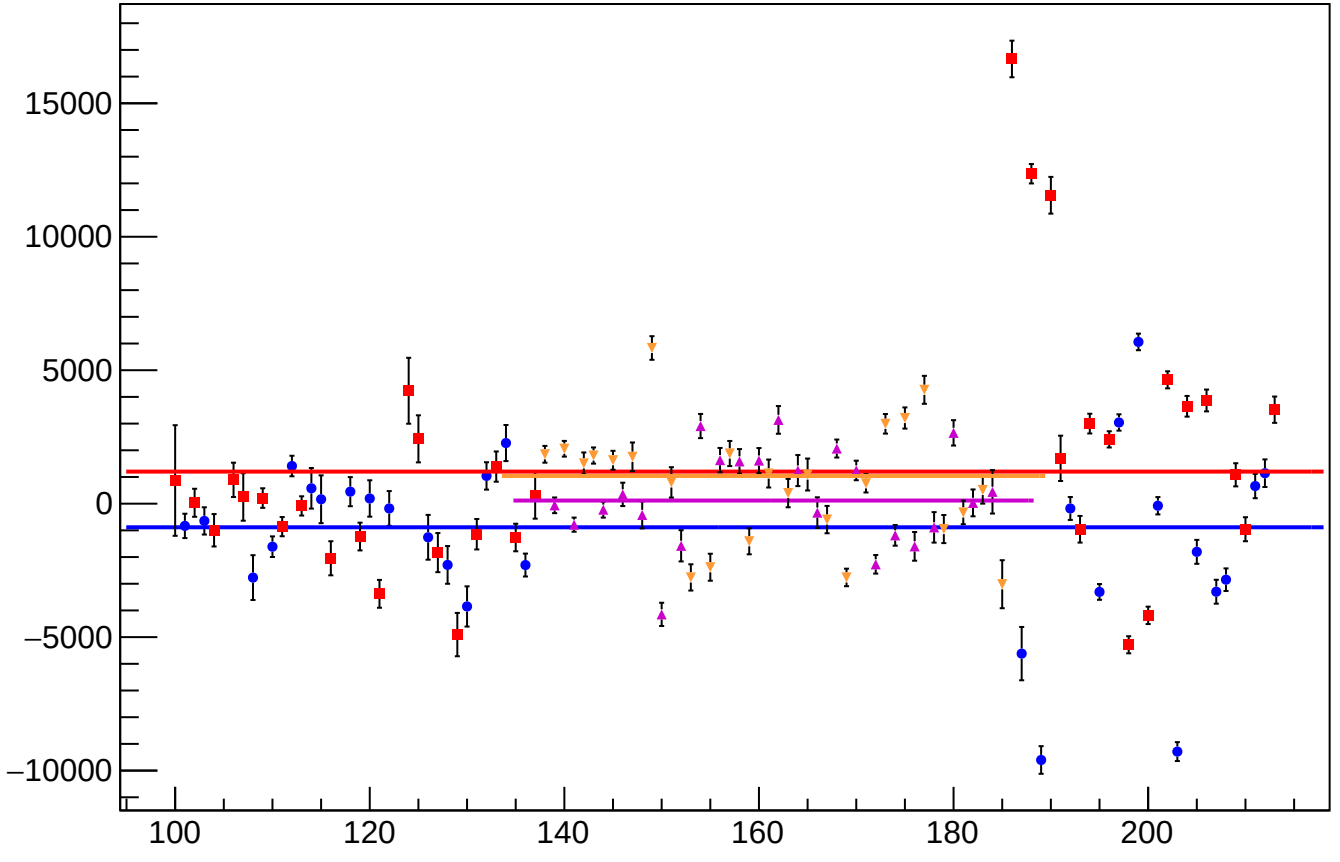
Right: 276.145+/-0.034 χ^2/NDF: 3029852.8/62

In: 279.445+/-0.034 χ^2/NDF:2231106.7/51

Out: 287.049+/-0.034 χ^2/NDF:2634703.8/58

All: 283.277+/-0.024 χ^2/NDF: 4890950.0/110

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -884.630+/-85.995 χ^2/NDF: 1816.6/28

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

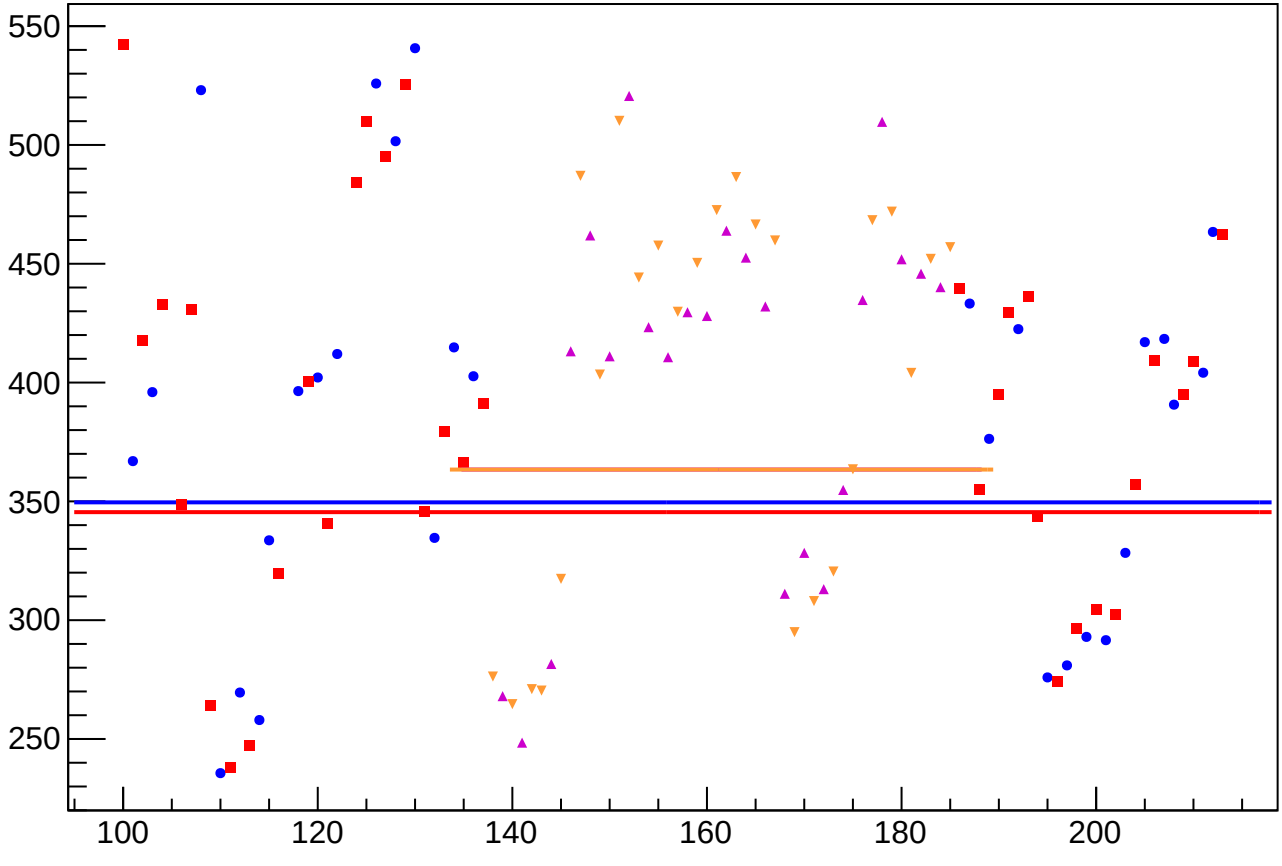
Right: 215.290+/-59.130 χ^2/NDF: 5108.8/62

In: -392.180+/-61.319 χ^2/NDF:2253.7/51

Out: 1123.226+/-58.870 χ^2/NDF:3554.0/58

All: 396.393+/-42.467 χ^2/NDF: 6125.5/110

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 349.586+/-0.061 χ^2/NDF: 1477283.9/28

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

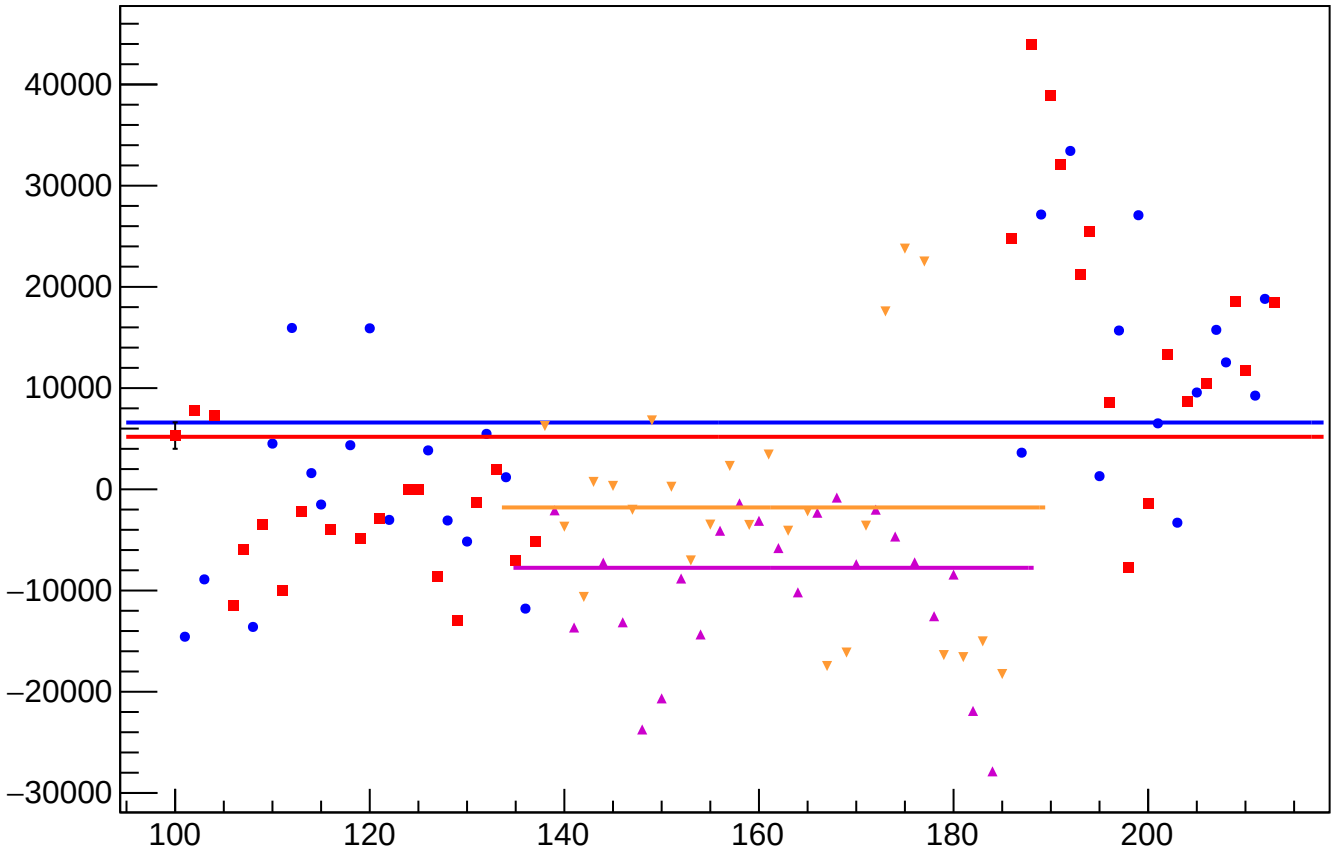
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 347.413+/-0.042 χ^2/NDF: 2927187.5/62

In: 356.369+/-0.043 χ^2/NDF:3214202.7/51

Out: 354.022+/-0.042 χ^2/NDF:3434223.6/58

All: 355.148+/-0.030 χ^2/NDF: 6649951.8/110



Right In: 6600.804+/-39.667 χ^2/NDF: 96693.6/28

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

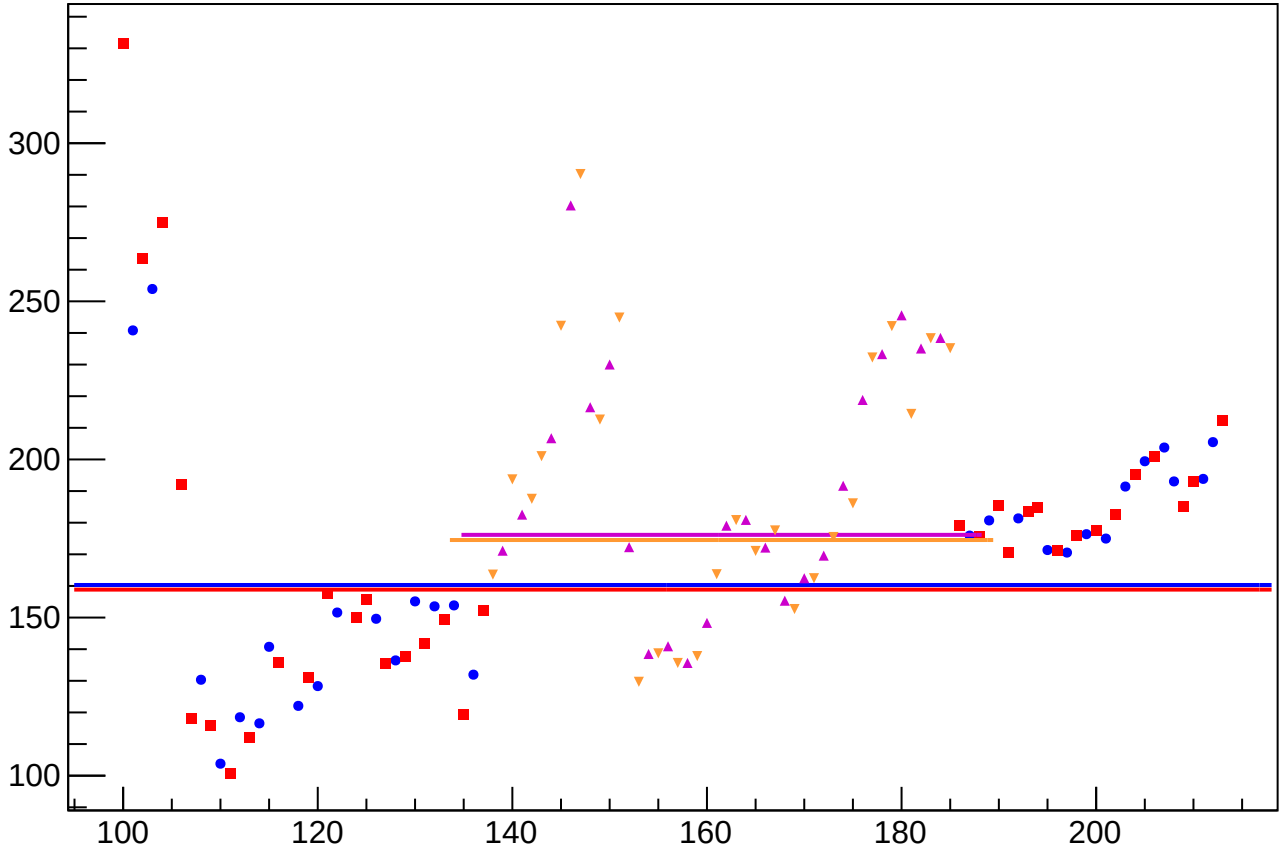
Right: 5858.652+/-27.324 χ^2/NDF: 244369.4/62

In: -70.497+/-29.021 χ^2/NDF:180836.6/51

Out: 1984.382+/-27.720 χ^2/NDF:228495.5/58

All: 1004.032+/-20.045 χ^2/NDF: 411953.8/11

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 160.303+/-0.028 χ^2/NDF: 1424642.9/28

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

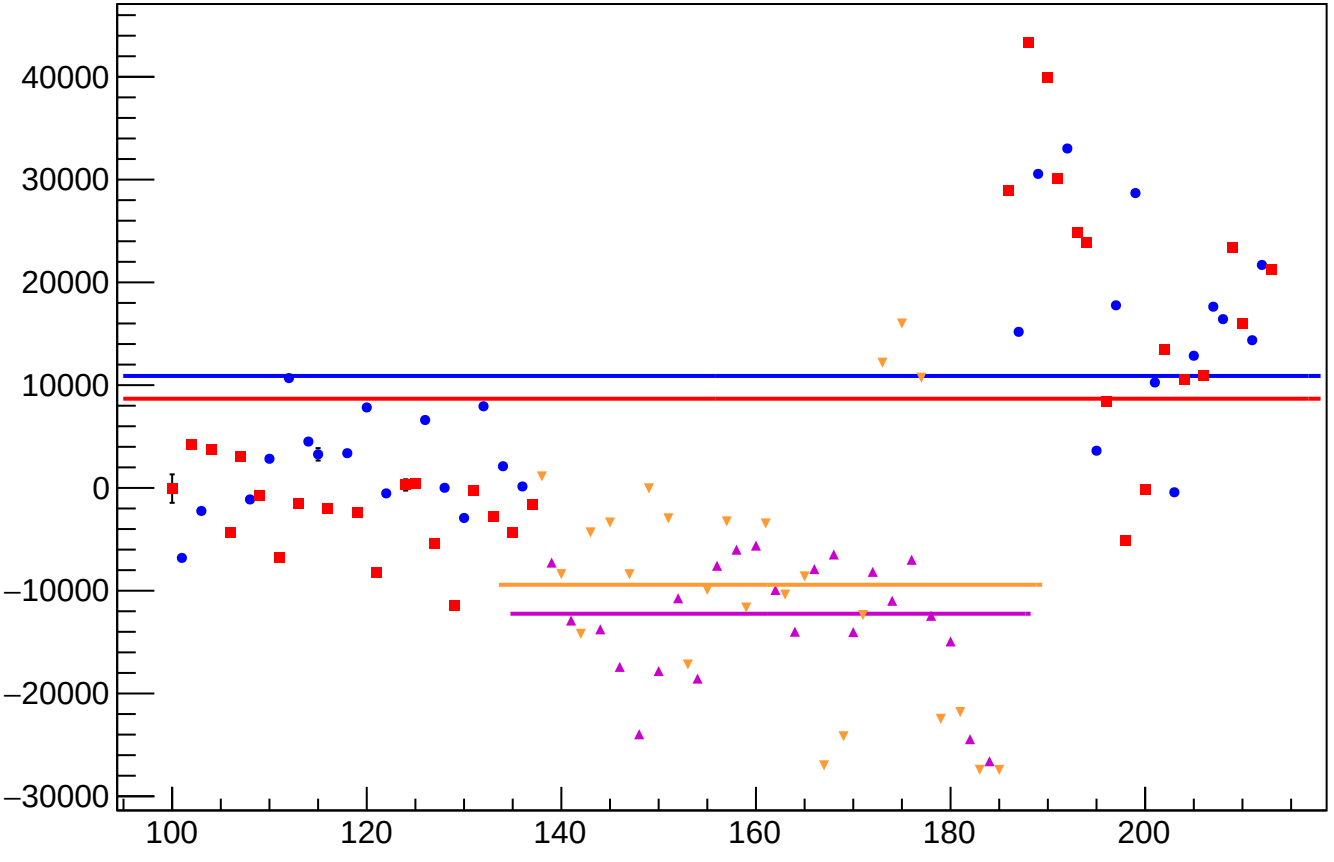
Right: 159.536+/-0.019 χ^2/NDF: 3255957.5/62

In: 167.670+/-0.021 χ^2/NDF:2940130.7/51

Out: 166.041+/-0.020 χ^2/NDF:3648221.6/58

All: 166.818+/-0.014 χ^2/NDF: 6591646.1/110

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 10896.848+/-43.738 χ^2/NDF: 56802.1/28

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 8681.920+/-41.350 χ^2/NDF: 118335.7/33

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

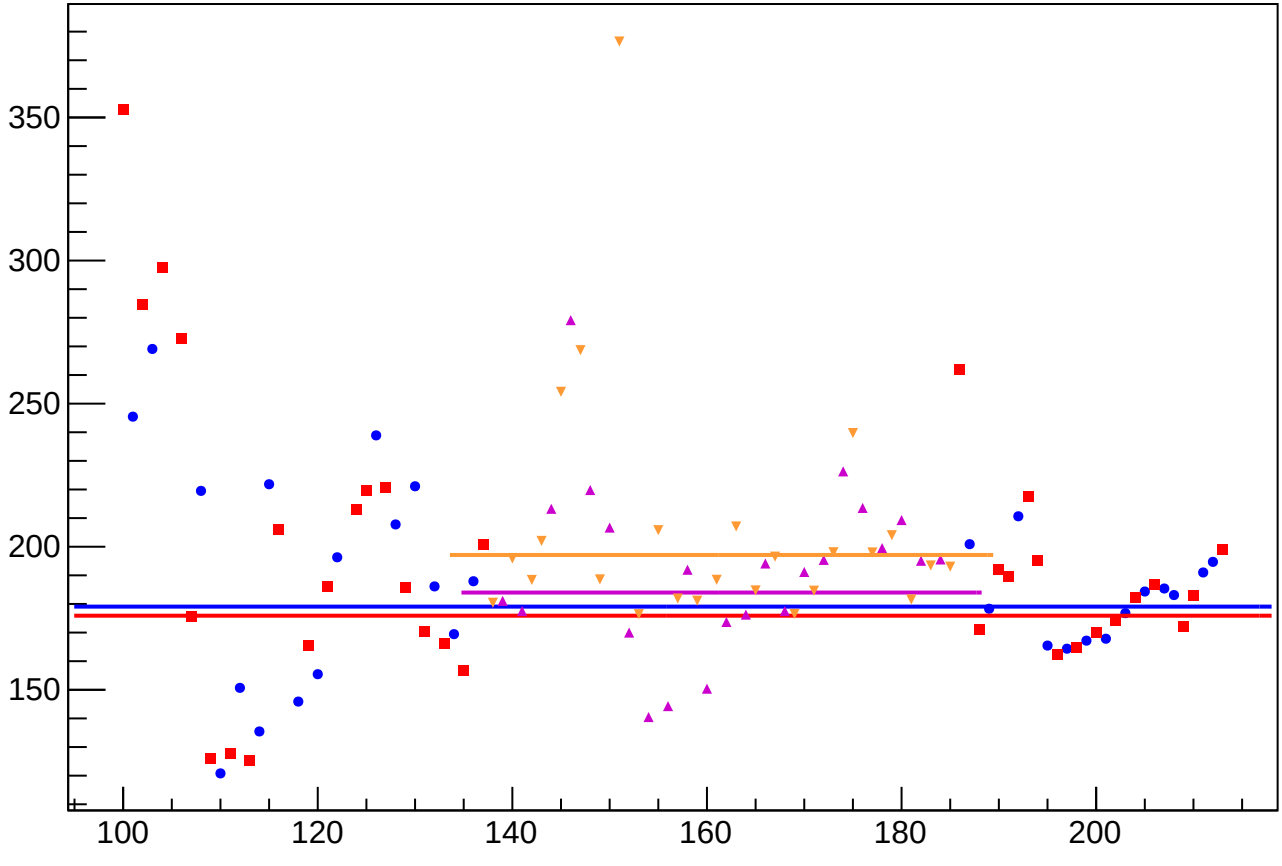
Right: 9727.285+/-30.048 χ^2/NDF: 176491.9/62

In: -550.655+/-31.088 χ^2/NDF:211261.7/51

Out: 532.693+/-30.661 χ^2/NDF:269329.7/58

All: -1.499+/-21.830 χ^2/NDF: 481207.0/110

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 179.071+/-0.031 χ^2/NDF: 785269.5/28

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

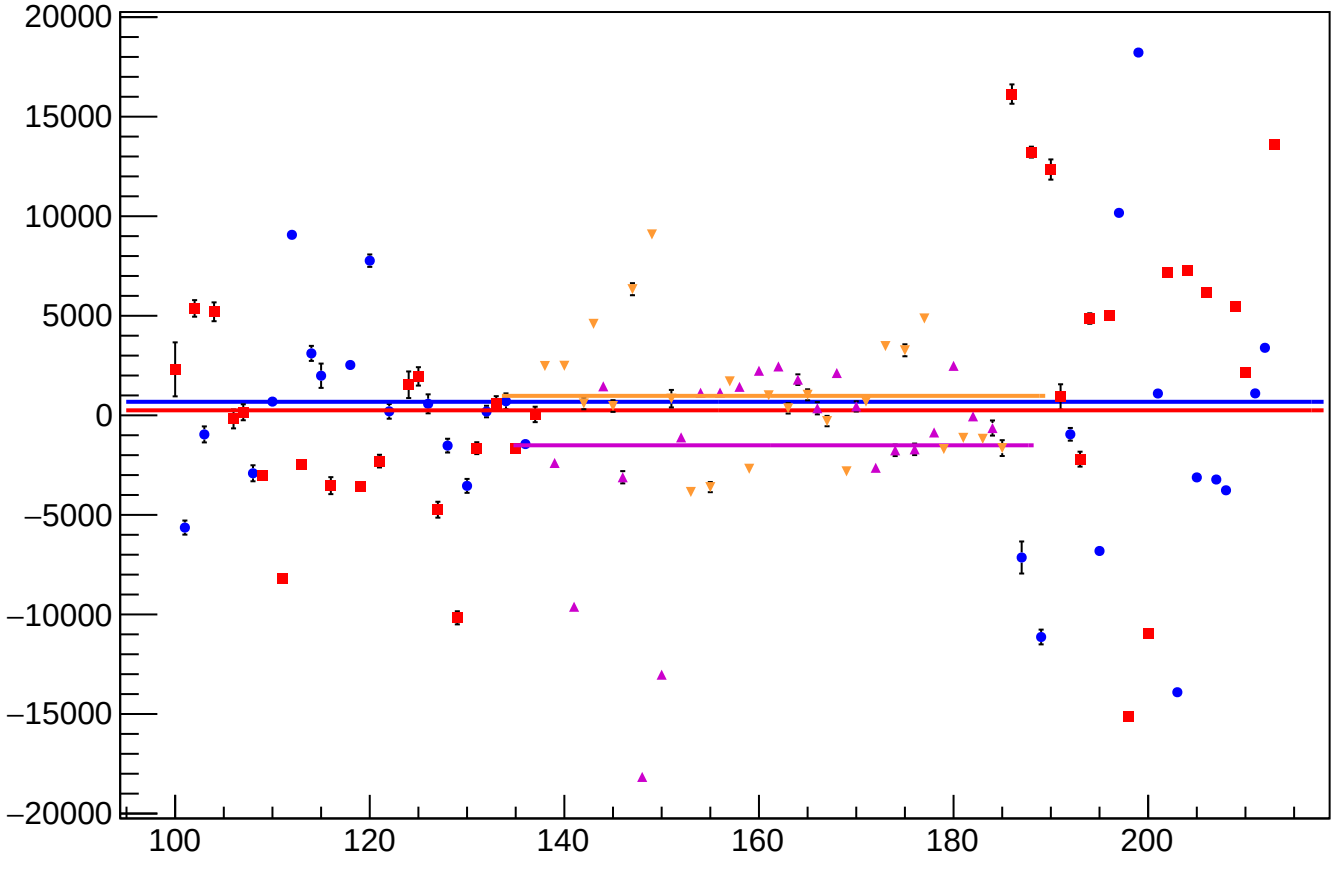
Right: 177.395+/-0.021 χ^2/NDF: 2026192.7/62

In: 181.503+/-0.022 χ^2/NDF:1627541.2/51

Out: 185.453+/-0.022 χ^2/NDF:2205107.9/58

All: 183.505+/-0.015 χ^2/NDF: 3849015.6/110

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 680.062+/-49.114 χ^2/NDF: 21595.6/28

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

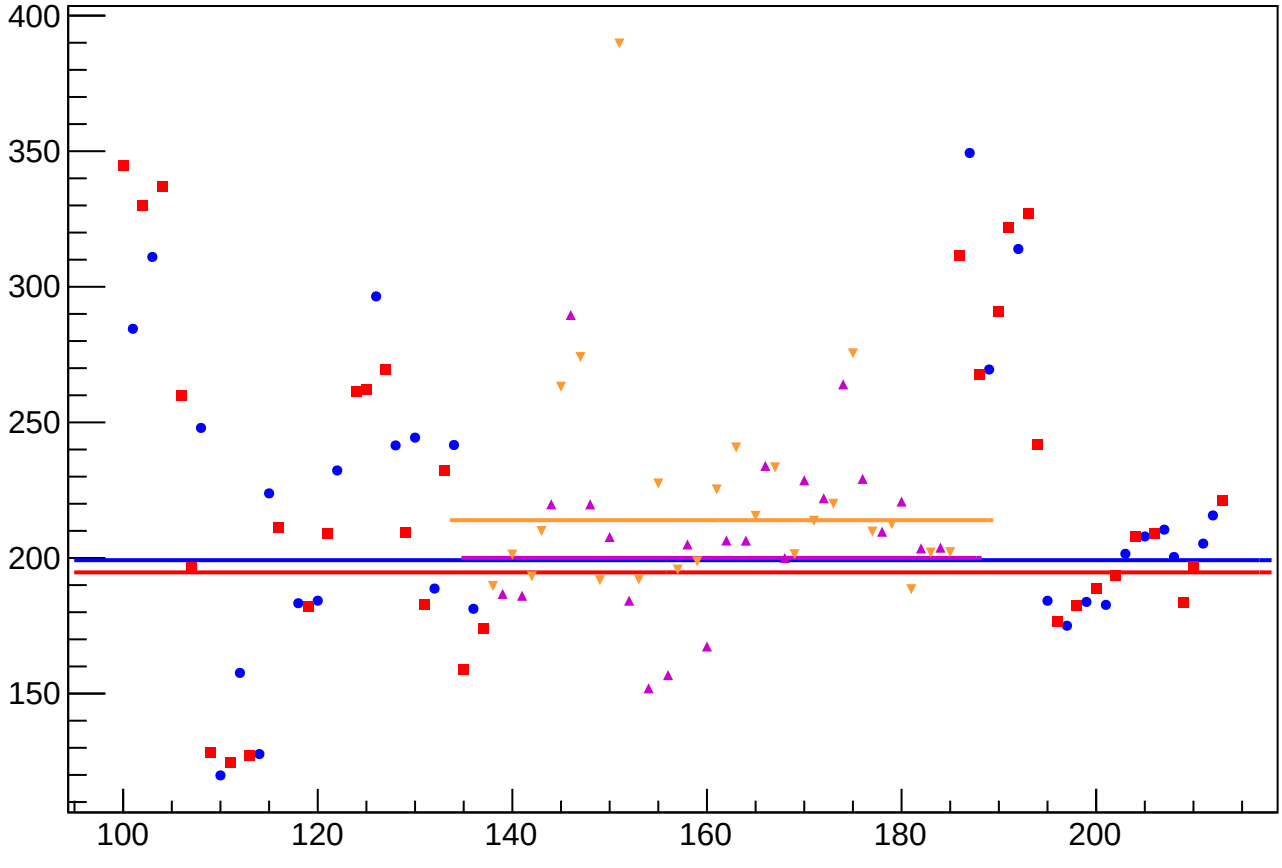
Right: 454.339+/-33.773 χ^2/NDF: 46985.7/62

In: -436.415+/-34.347 χ^2/NDF:34087.6/51

Out: 591.804+/-33.932 χ^2/NDF:29787.1/58

All: 83.944+/-24.139 χ^2/NDF: 64328.2/110

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 199.191+/-0.035 χ^2/NDF: 1463424.2/28

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

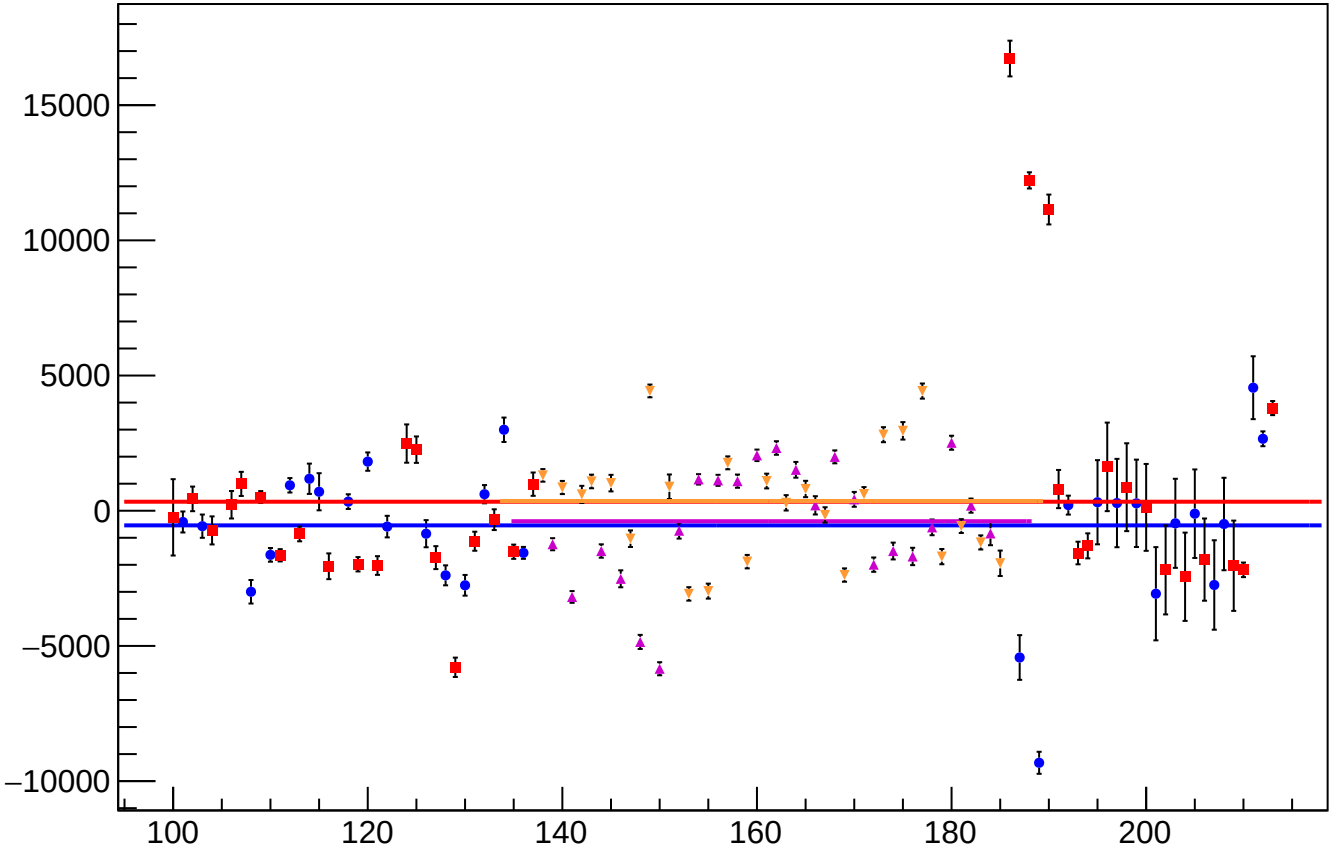
Right: 196.817+/-0.024 χ^2/NDF: 3759229.0/62

In: 199.620+/-0.024 χ^2/NDF:2249248.3/51

Out: 203.692+/-0.024 χ^2/NDF:3180721.9/58

All: 201.680+/-0.017 χ^2/NDF: 5444193.5/110

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -541.554+/-77.693 χ^2/NDF: 970.1/28

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

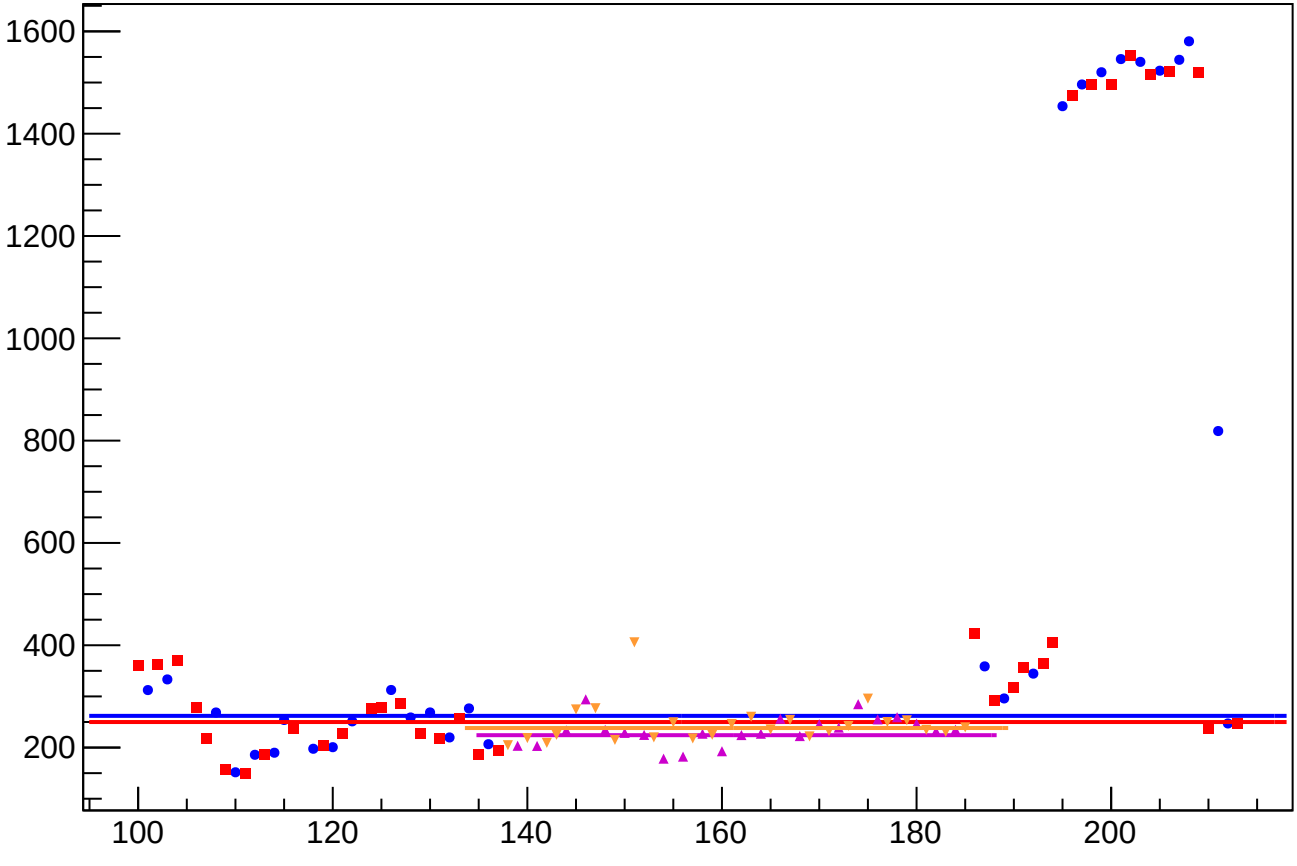
Right: -49.499+/-51.398 χ^2/NDF: 4584.2/62

In: -436.709+/-44.079 χ^2/NDF:2776.9/51

Out: 348.797+/-42.892 χ^2/NDF:4961.7/58

All: -33.238+/-30.741 χ^2/NDF: 7901.8/110

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 261.988+/-0.055 χ^2/NDF: 11058982.0/28

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

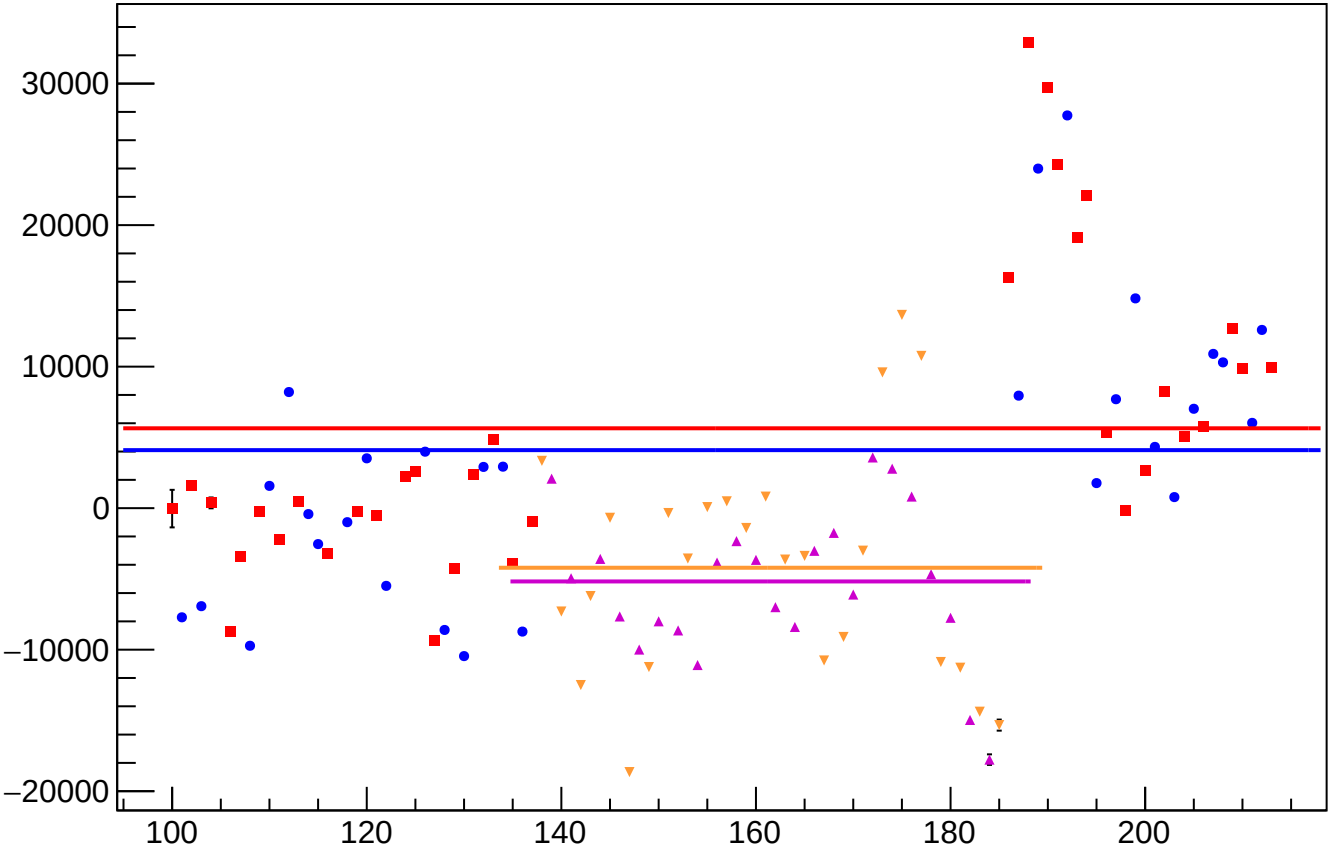
Right: 255.199+/-0.036 χ^2/NDF: 21616091.9/62

In: 236.372+/-0.031 χ^2/NDF:11942842.5/51

Out: 242.788+/-0.030 χ^2/NDF:11133445.3/58

All: 239.667+/-0.022 χ^2/NDF: 23098053.7/1

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 4100.326+/-33.677 χ^2/NDF: 81474.4/28

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

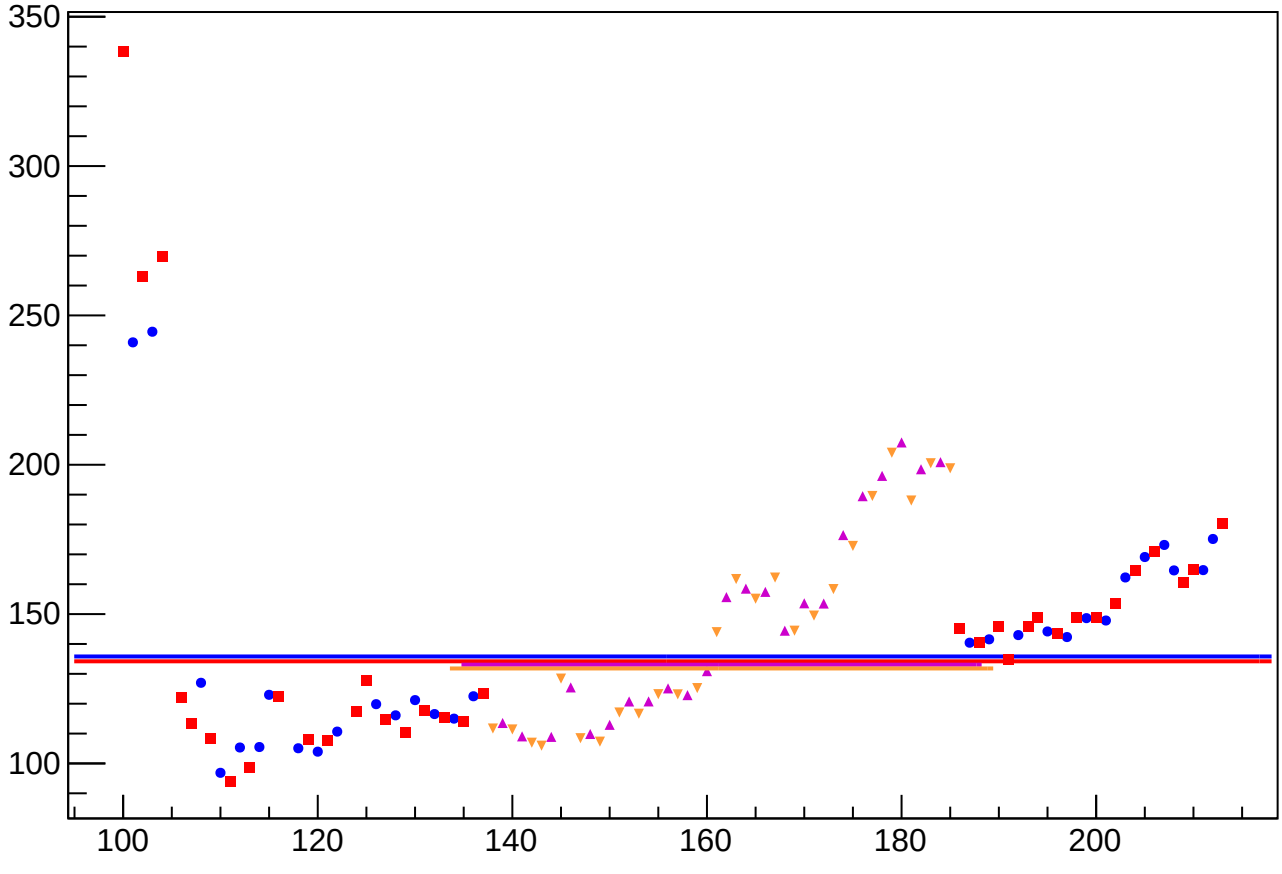
Right: 4915.346+/-23.133 χ^2/NDF: 188411.6/62

In: -780.211+/-23.186 χ^2/NDF:139942.8/51

Out: 558.754+/-22.145 χ^2/NDF:212082.0/58

All: -79.992+/-16.014 χ^2/NDF: 353768.9/110

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 135.813+/-0.024 χ^2/NDF: 1424192.0/28

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

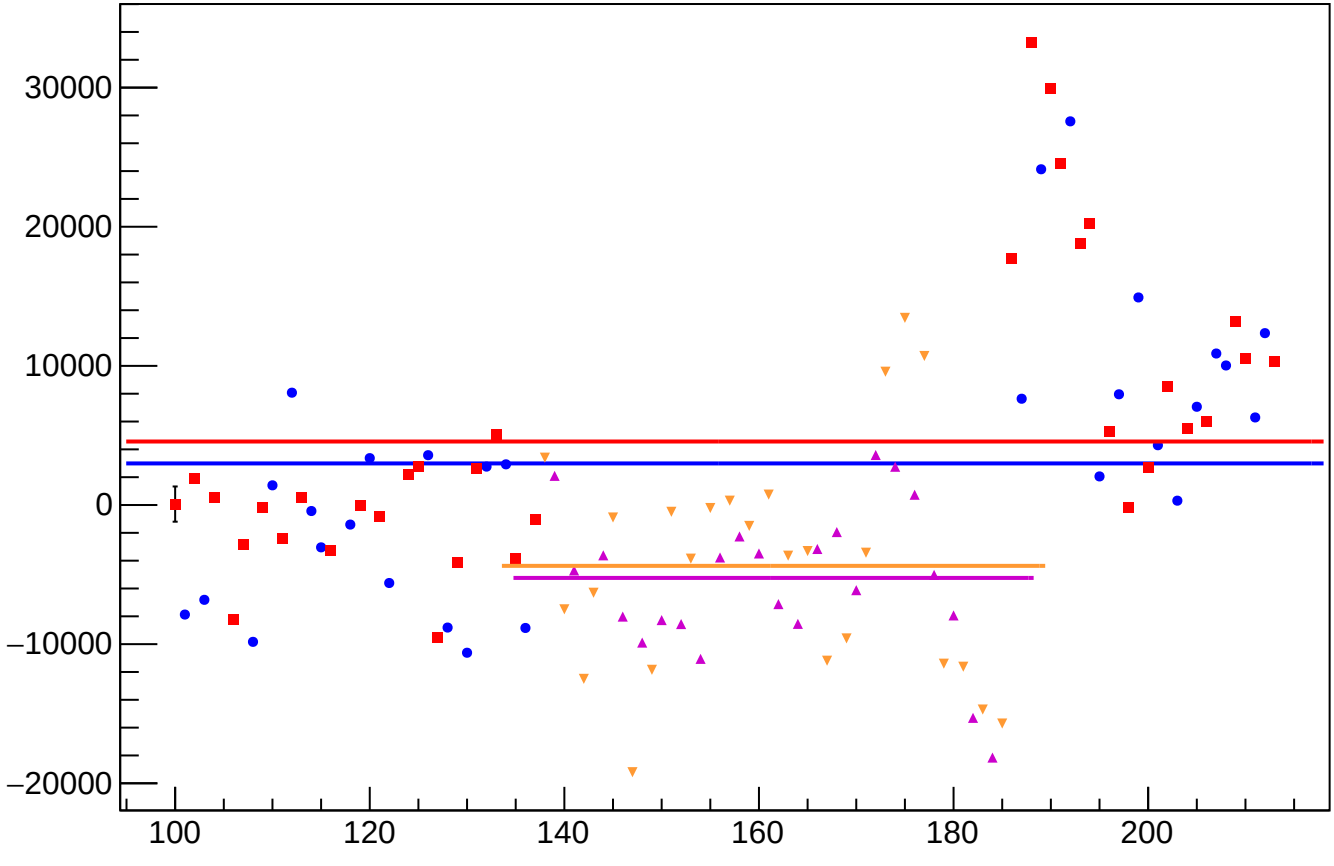
Right: 134.958+/-0.016 χ^2/NDF: 3114591.4/62

In: 134.366+/-0.016 χ^2/NDF:2849467.2/51

Out: 132.957+/-0.016 χ^2/NDF:3238145.9/58

All: 133.629+/-0.011 χ^2/NDF: 6091471.6/110

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 2989.426+/-30.332 χ^2/NDF: 91733.1/28

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

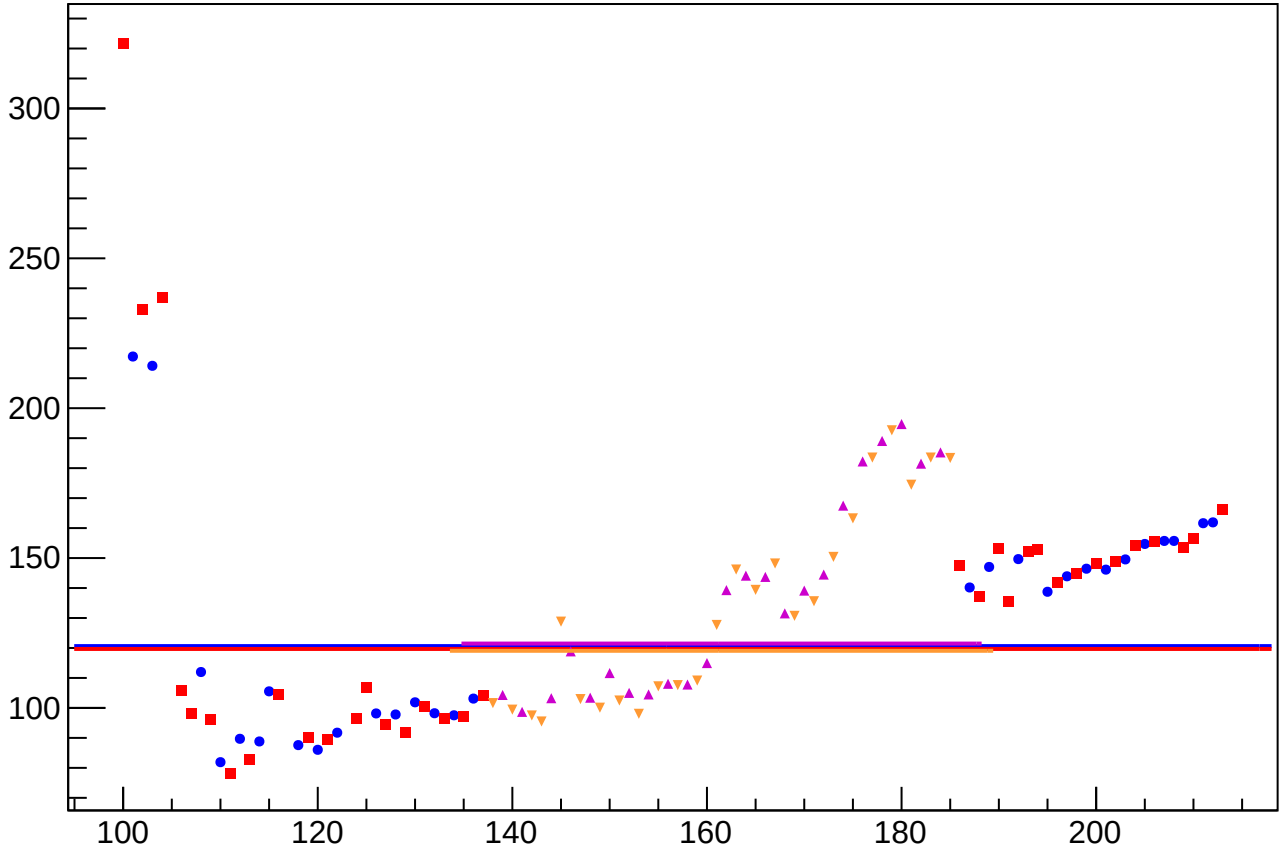
Right: 3817.002+/-20.894 χ^2/NDF: 209379.2/62

In: -1274.379+/-21.056 χ^2/NDF:152143.3/51

Out: -40.883+/-20.067 χ^2/NDF:232986.4/58

All: -628.003+/-14.527 χ^2/NDF: 386928.0/11

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 120.624+/-0.021 χ^2/NDF: 2187553.7/28

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

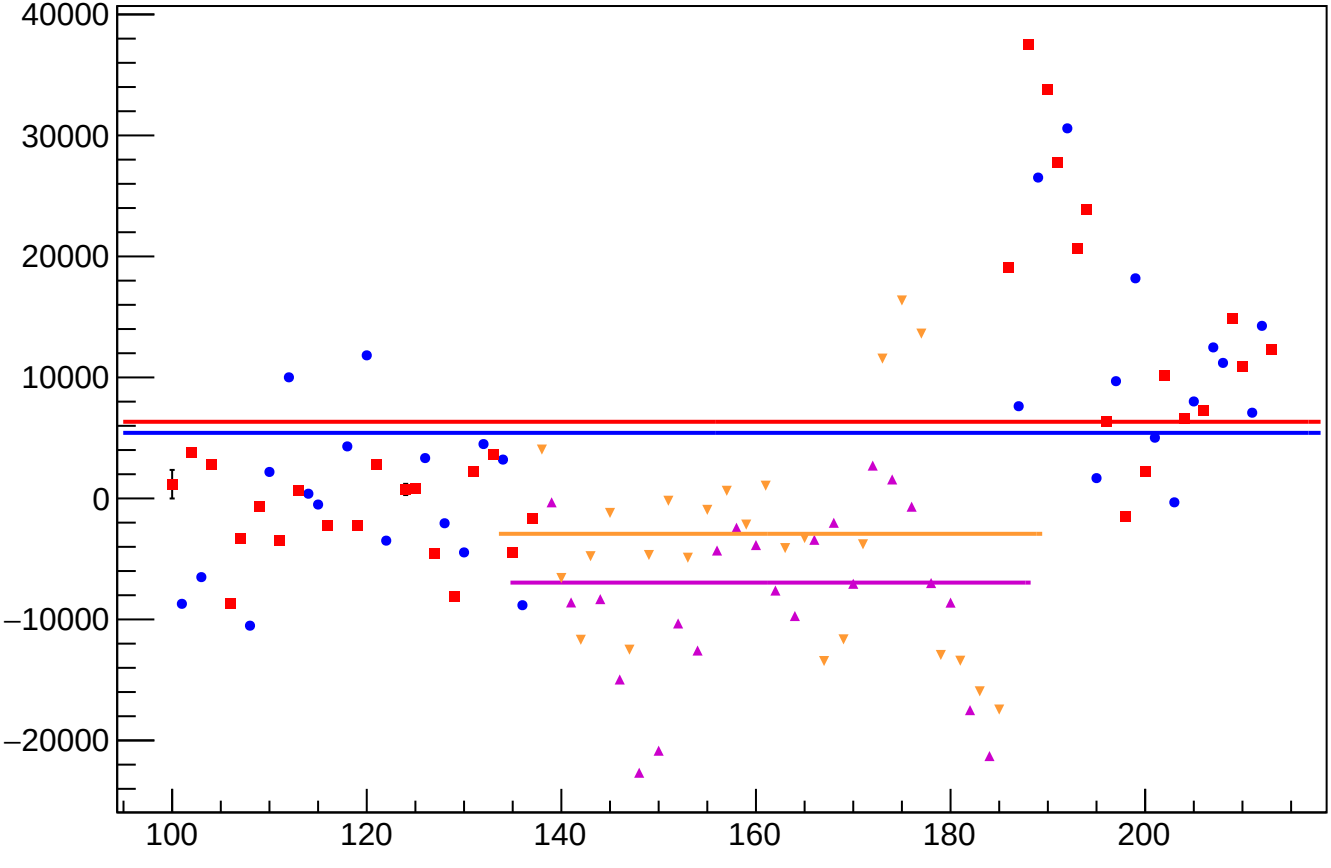
Right: 120.126+/-0.015 χ^2/NDF: 4790558.5/62

In: 121.061+/-0.015 χ^2/NDF:3717735.4/51

Out: 119.361+/-0.014 χ^2/NDF:4357874.2/58

All: 120.170+/-0.010 χ^2/NDF: 8082441.8/110

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 5419.903+/-39.792 χ^2/NDF: 64812.0/28

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

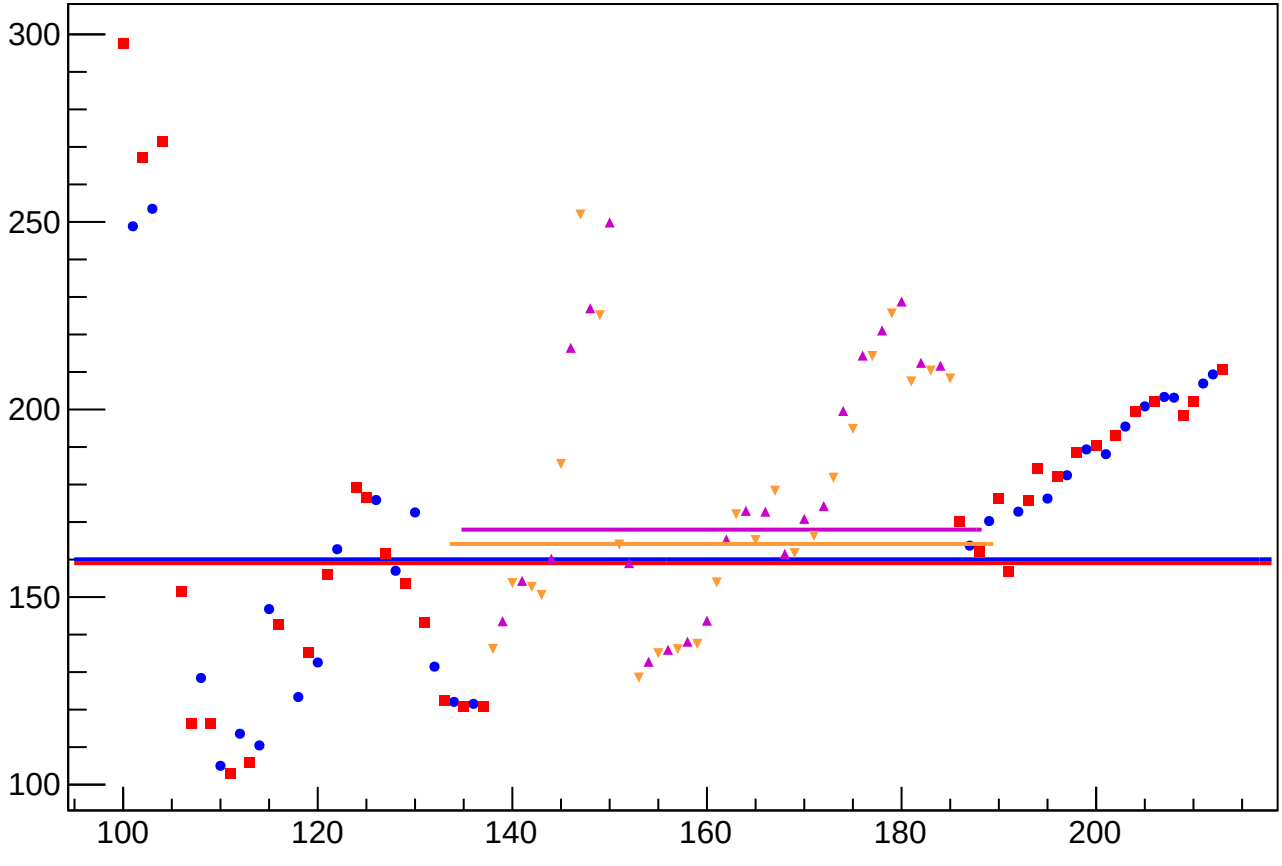
Right: 5900.454+/-27.419 χ^2/NDF: 160532.4/62

In: -698.405+/-28.296 χ^2/NDF:134975.7/51

Out: 1748.497+/-26.876 χ^2/NDF:163156.7/58

All: 587.962+/-19.487 χ^2/NDF: 302063.7/110

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 160.063+/-0.028 χ^2/NDF: 1778376.0/28

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

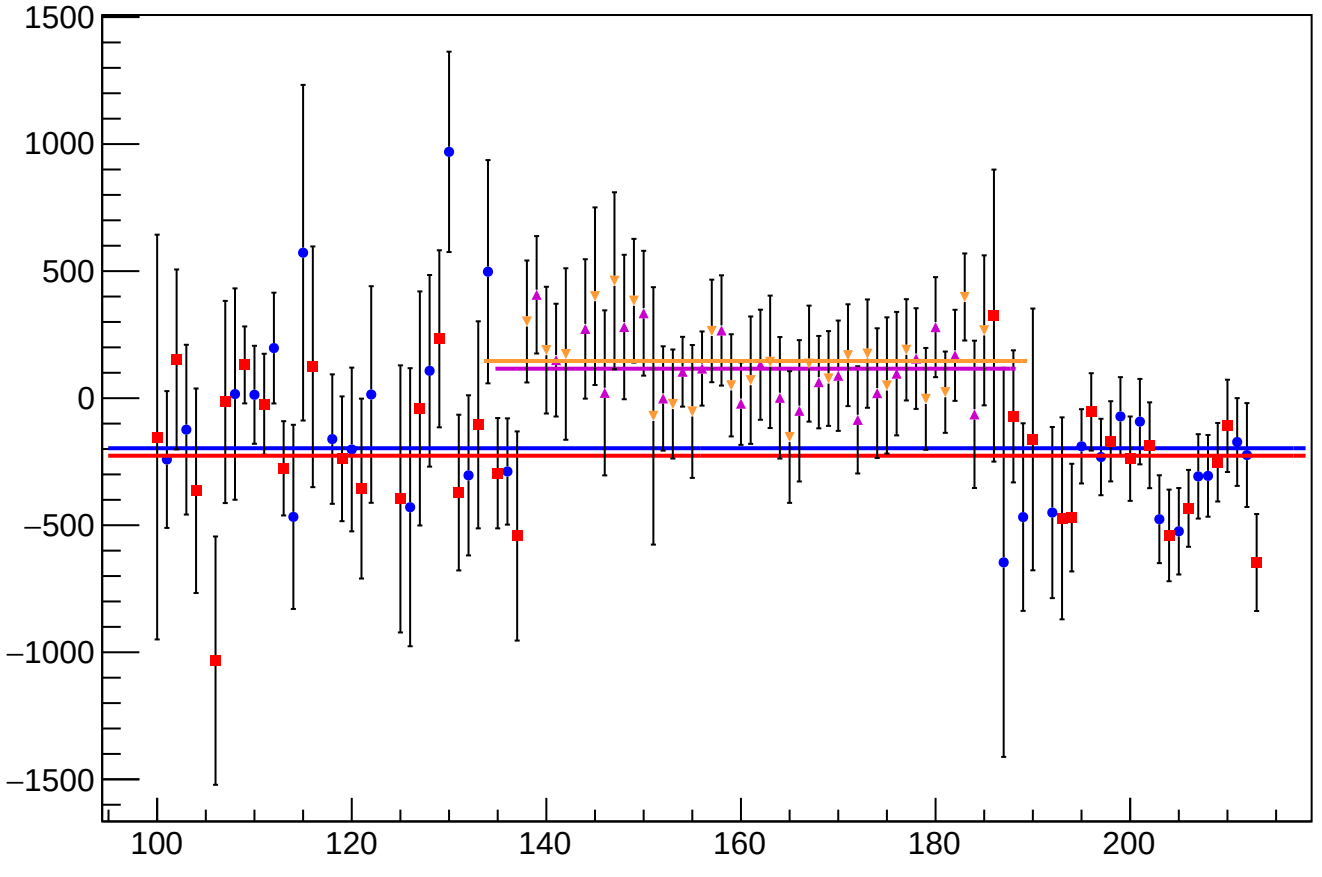
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 159.527+/-0.019 χ^2/NDF: 3782504.9/62

In: 163.974+/-0.020 χ^2/NDF:3040208.7/51

Out: 161.584+/-0.019 χ^2/NDF:3246054.7/58

All: 162.718+/-0.014 χ^2/NDF: 6293766.5/110



Right In: -196.936+/-42.319 χ^2/NDF: 29.2/28

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

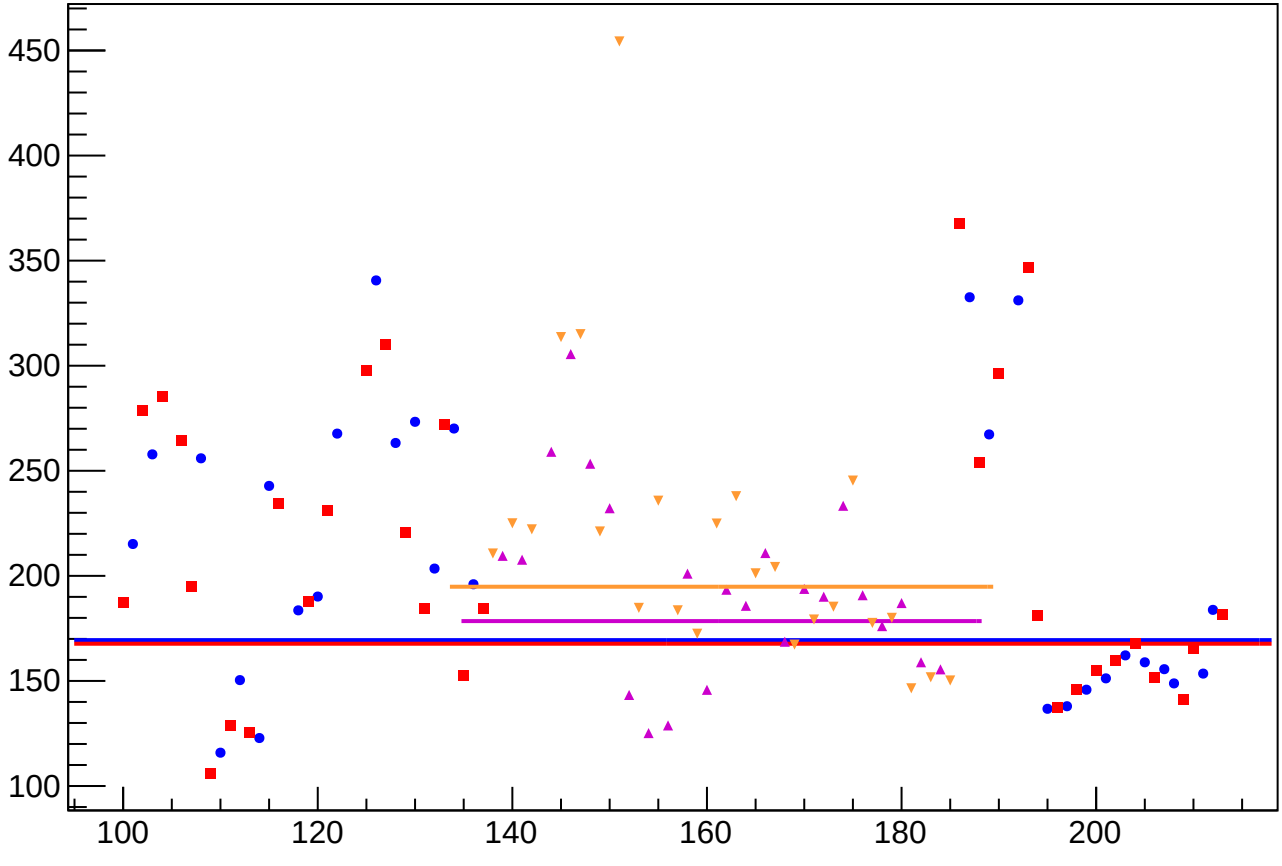
Right: -212.151+/-29.475 χ^2/NDF: 58.7/60

In: -45.163+/-30.368 χ^2/NDF:63.3/51

Out: -64.752+/-30.909 χ^2/NDF:75.0/55

All: -54.785+/-21.662 χ^2/NDF: 138.5/107

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 169.425+/-0.030 χ^2/NDF: 2286400.6/28

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

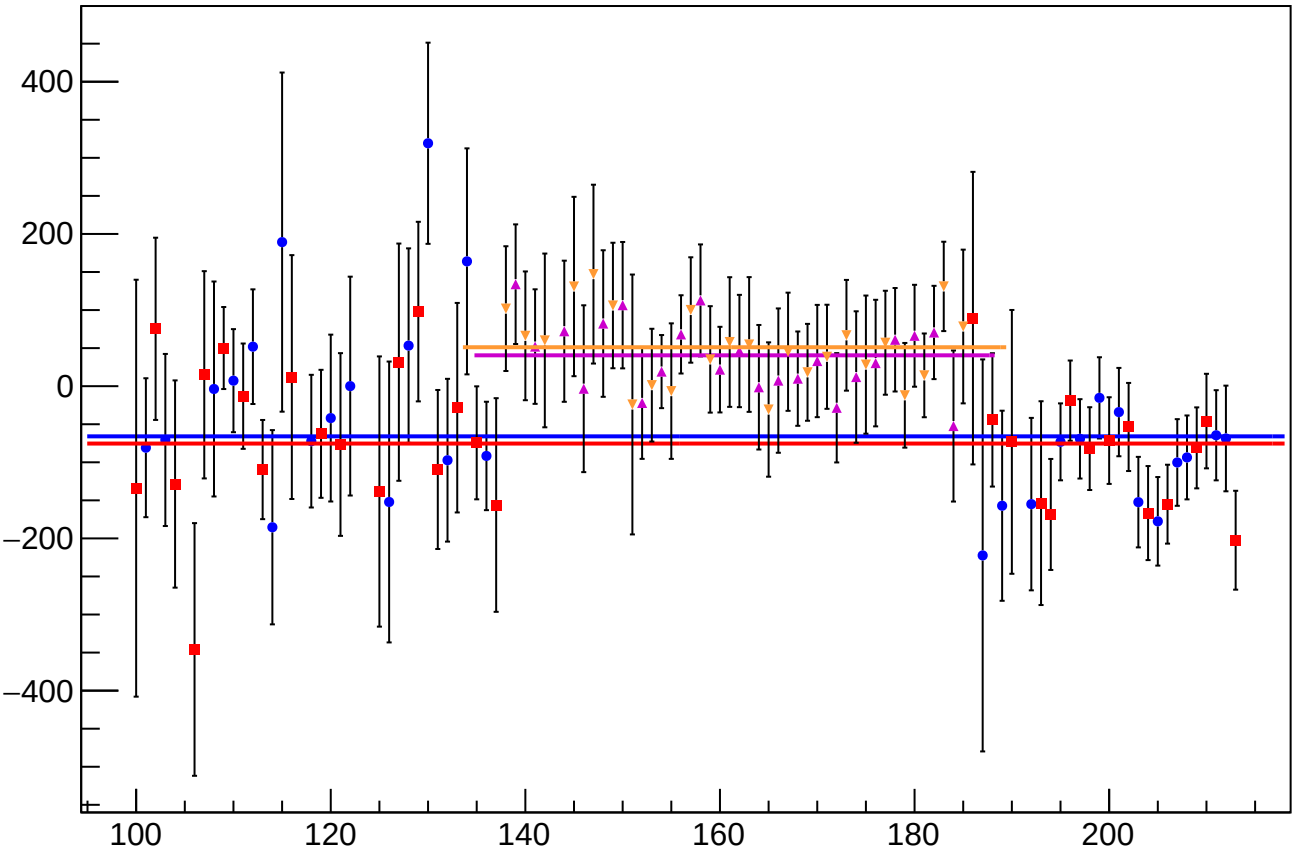
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 168.538+/-0.021 χ^2/NDF: 5111295.6/60

In: 173.815+/-0.021 χ^2/NDF:4007037.1/51

Out: 179.470+/-0.022 χ^2/NDF:4953999.4/55

All: 176.592+/-0.015 χ^2/NDF: 8995102.5/107



Right In: -65.909+/-14.527 χ^2/NDF: 27.6/28

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

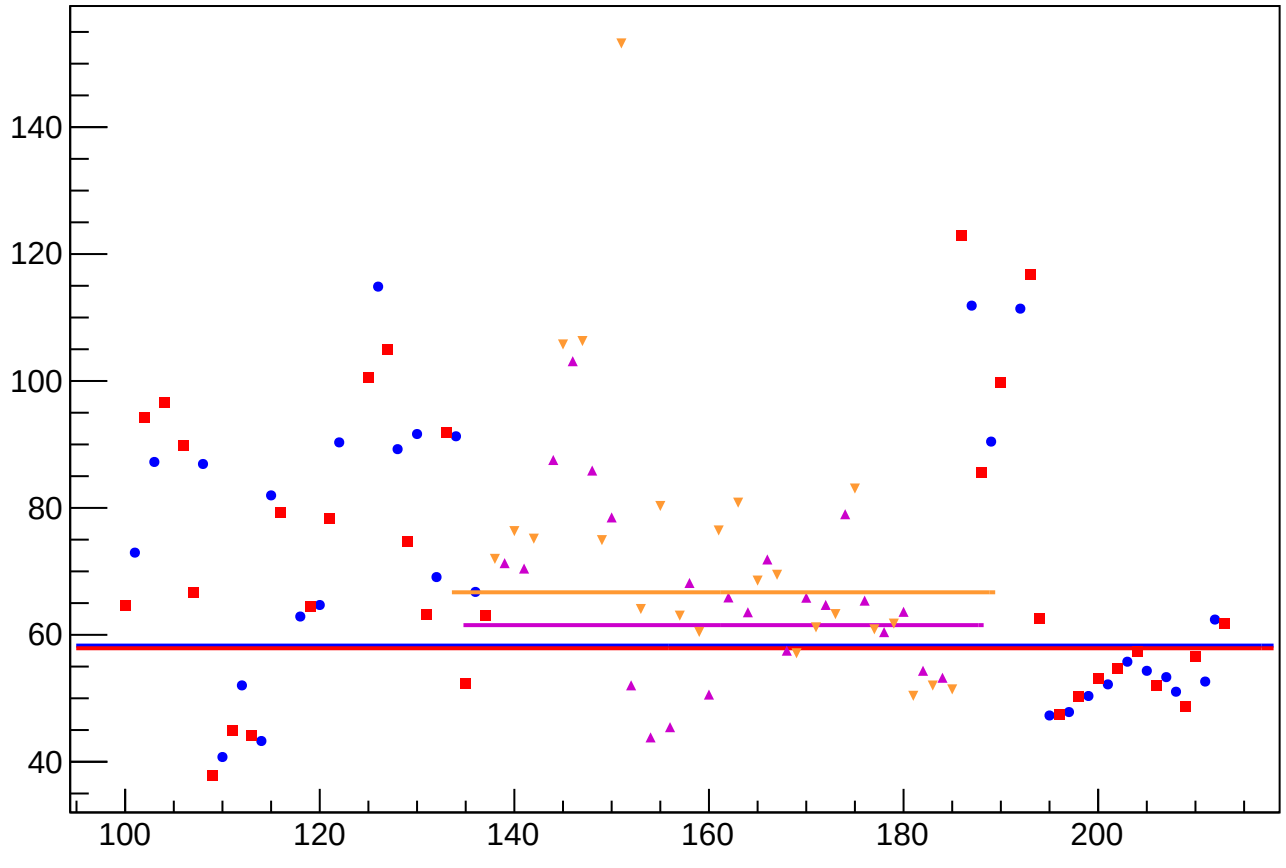
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -70.779+/-10.127 χ^2/NDF: 55.6/60

In: -14.311+/-10.428 χ^2/NDF:61.5/51

Out: -20.096+/-10.600 χ^2/NDF:71.0/55

All: -17.156+/-7.434 χ^2/NDF: 132.6/107



Right In: 58.304+/-0.010 χ^2/NDF: 2143533.6/28

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

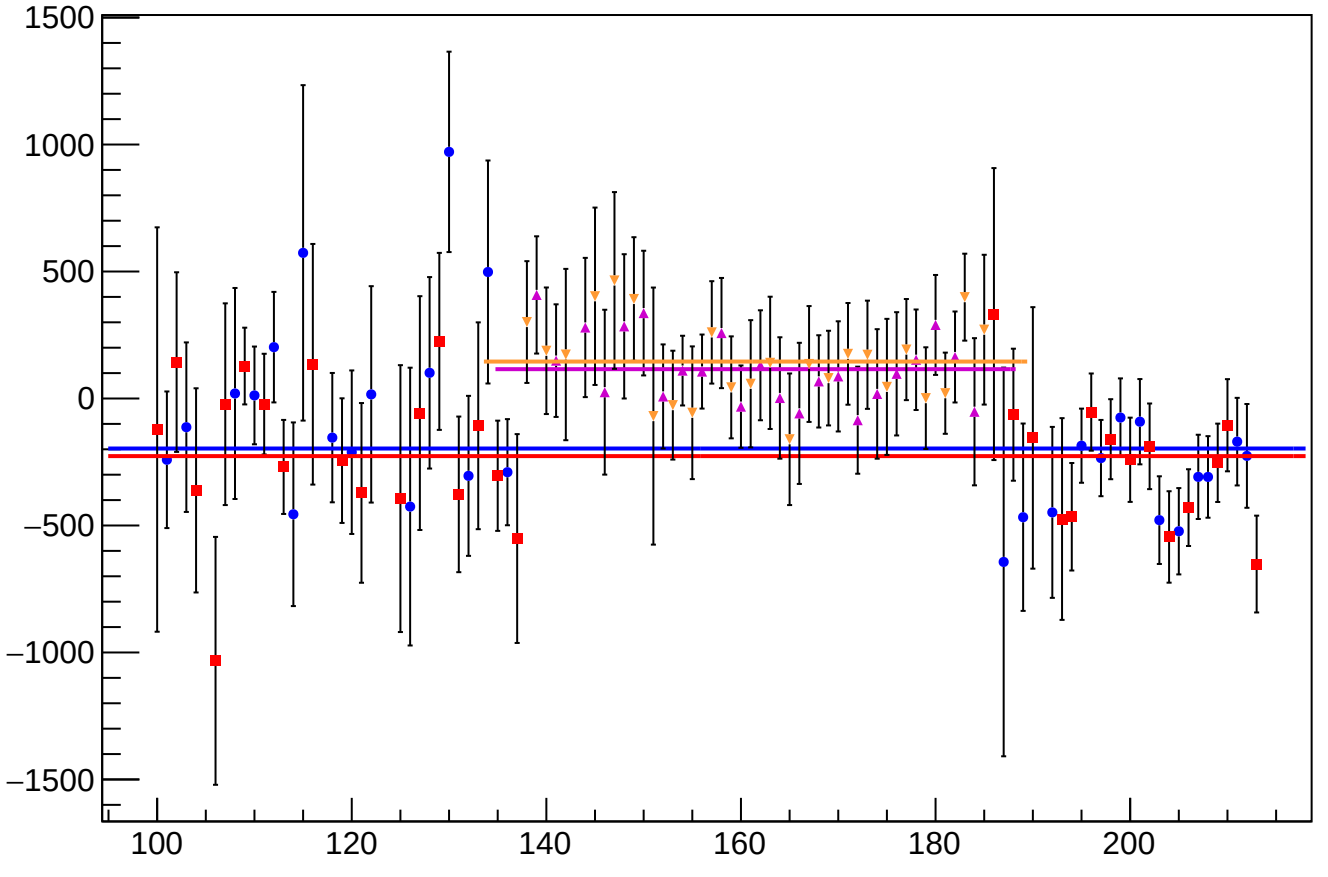
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 58.088+/-0.007 χ^2/NDF: 4769132.7/60

In: 59.867+/-0.007 χ^2/NDF:3681153.6/51

Out: 61.737+/-0.007 χ^2/NDF:4641651.9/55

All: 60.787+/-0.005 χ^2/NDF: 8354429.4/107



Right In: -196.915+/-42.265 χ^2/NDF: 29.3/28

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

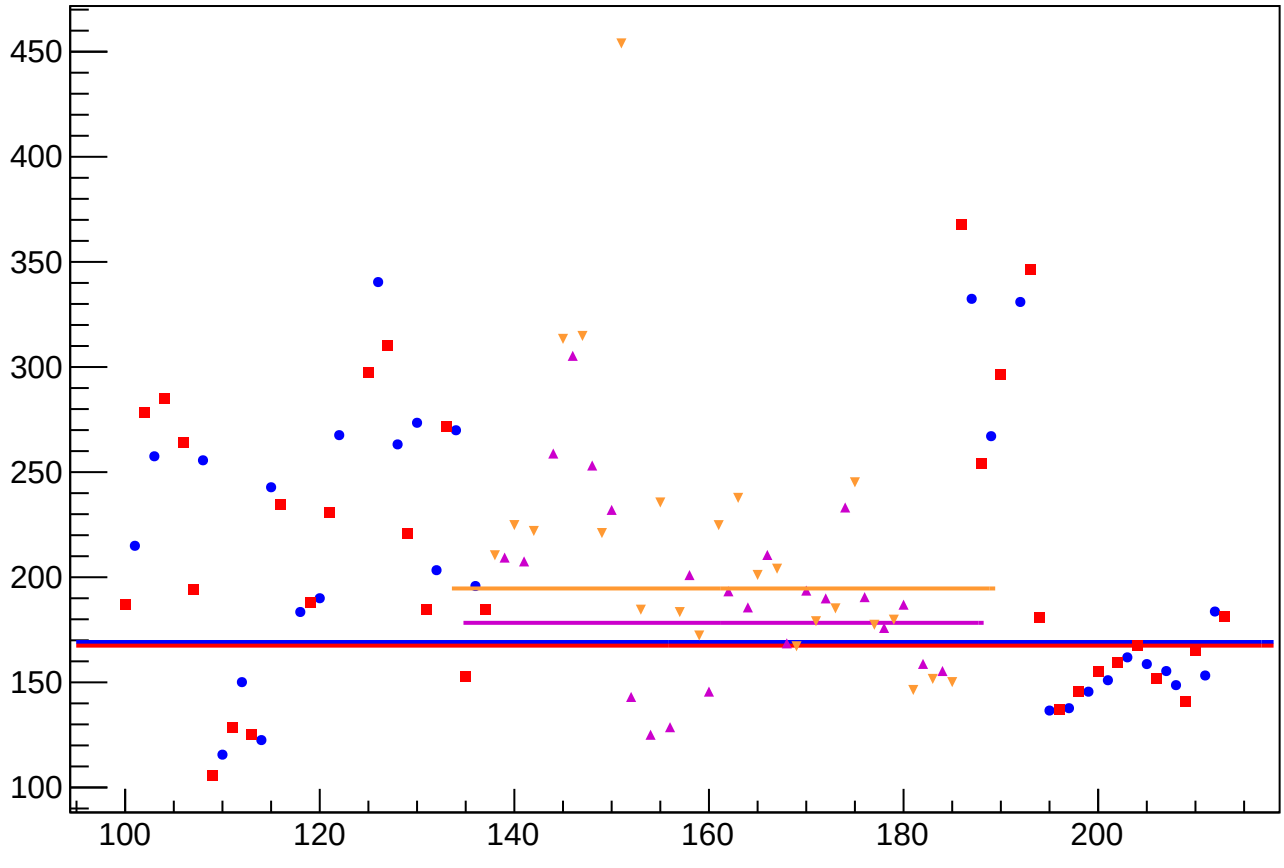
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -212.310+/-29.438 χ^2/NDF: 59.1/60

In: -45.455+/-30.336 χ^2/NDF:63.5/51

Out: -65.394+/-30.875 χ^2/NDF:75.5/55

All: -55.249+/-21.639 χ^2/NDF: 139.2/107



Right In: 169.193+/-0.030 χ^2/NDF: 2292897.8/28

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

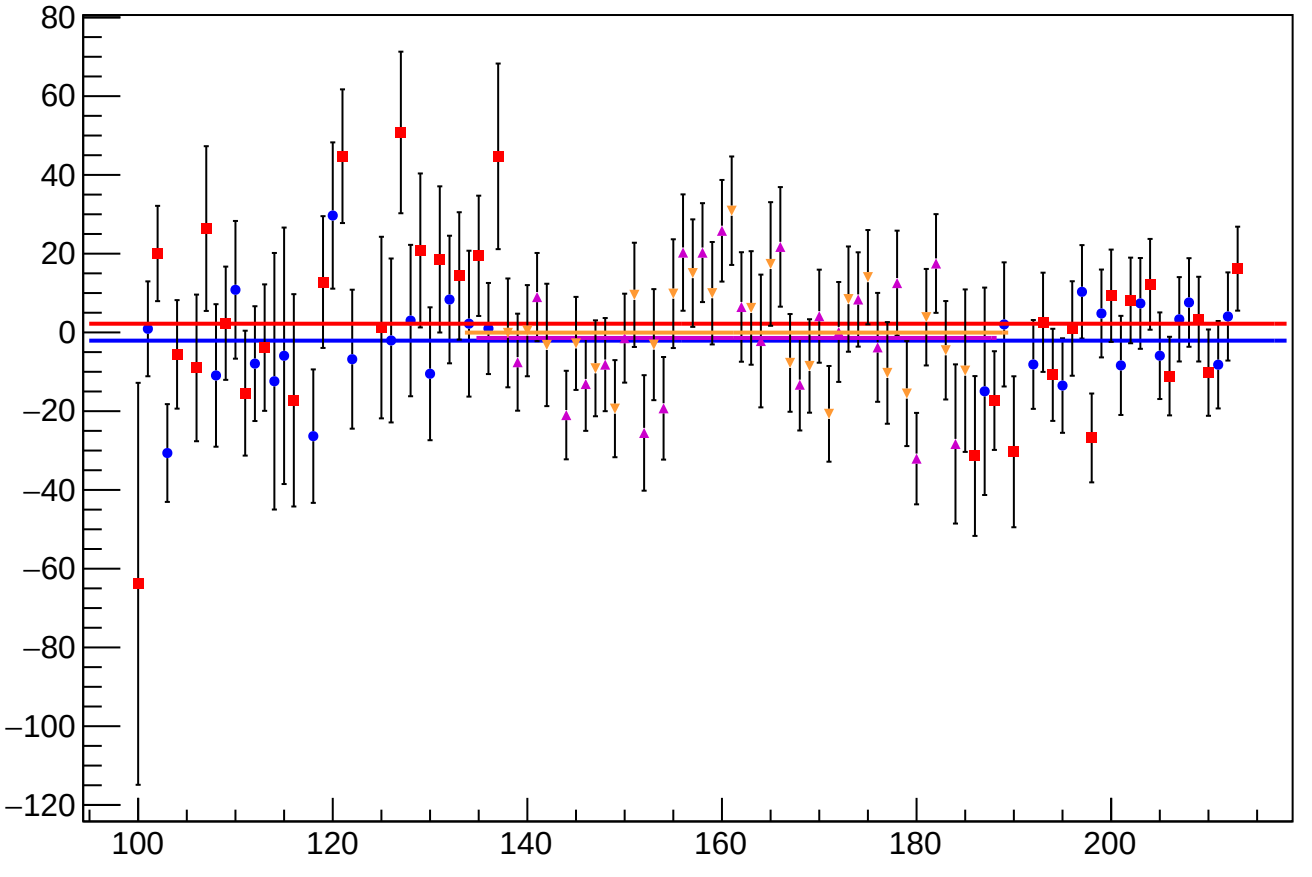
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 168.305+/-0.021 χ^2/NDF: 5126225.3/60

In: 173.617+/-0.021 χ^2/NDF:4016431.3/51

Out: 179.258+/-0.022 χ^2/NDF:4965667.5/55

All: 176.388+/-0.015 χ^2/NDF: 9016071.0/107



Right In: -2.089+/-2.592 χ^2/NDF: 17.9/28

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

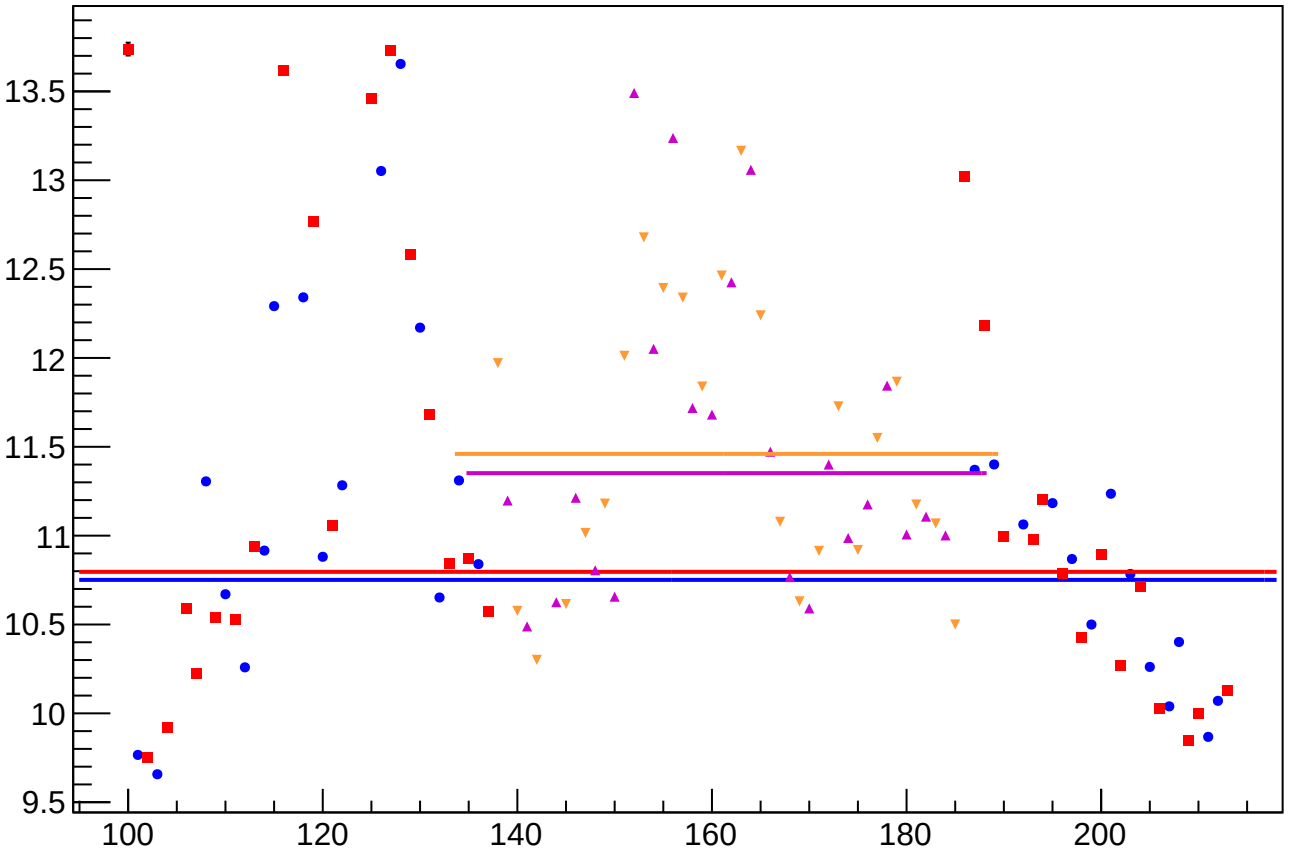
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: 0.121+/-1.807 χ^2/NDF: 68.3/60

In: -1.758+/-1.861 χ^2/NDF:54.3/51

Out: 1.153+/-1.838 χ^2/NDF:69.8/55

All: -0.284+/-1.308 χ^2/NDF: 125.3/107



Right In: 10.751+/-0.002 χ^2/NDF: 190958.7/28

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

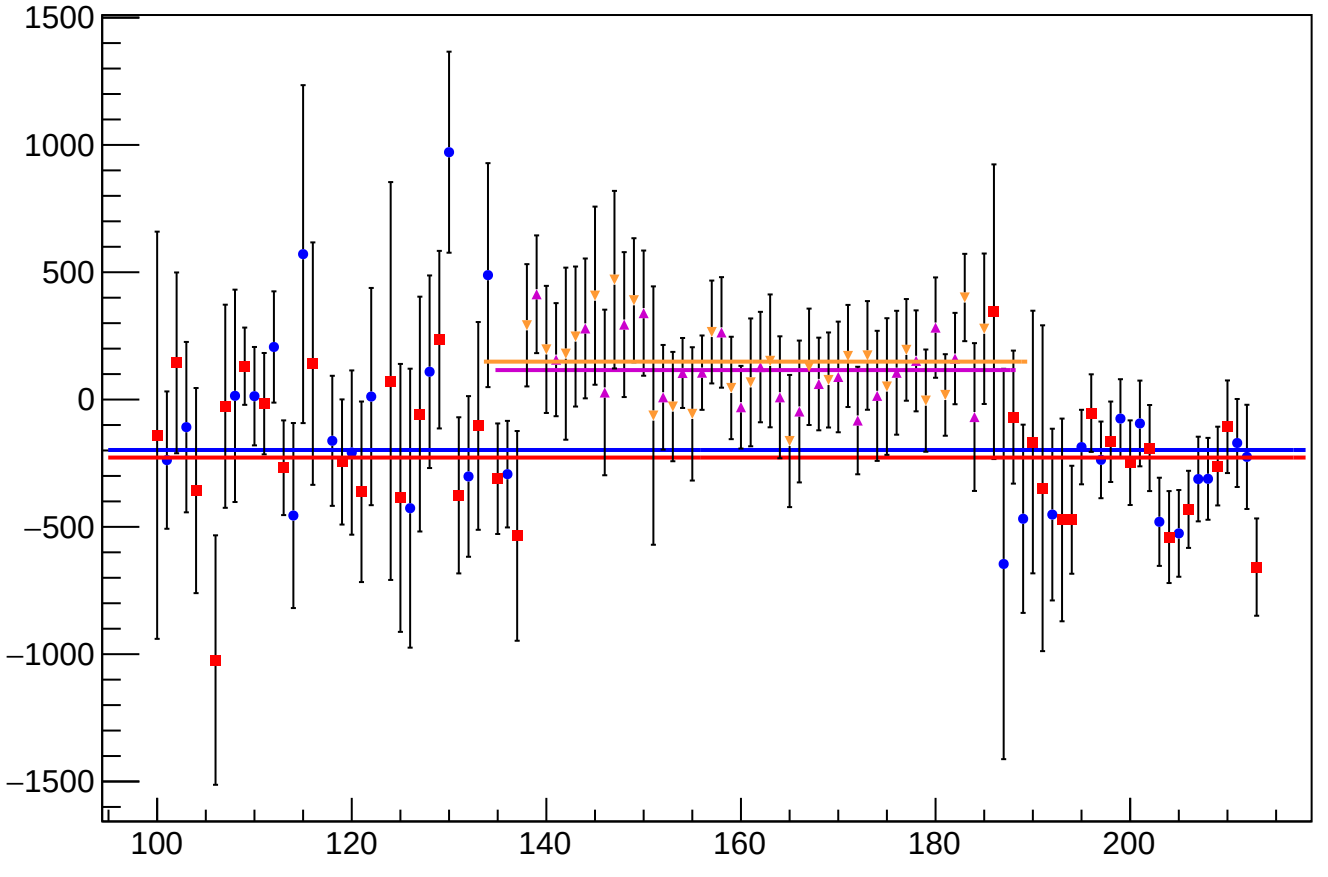
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.774+/-0.001 χ^2/NDF: 468003.2/60

In: 11.042+/-0.001 χ^2/NDF:413534.2/51

Out: 11.107+/-0.001 χ^2/NDF:492142.5/55

All: 11.075+/-0.001 χ^2/NDF: 906915.7/107



Right In: -198.088+/-42.371 χ^2/NDF: 29.3/28

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

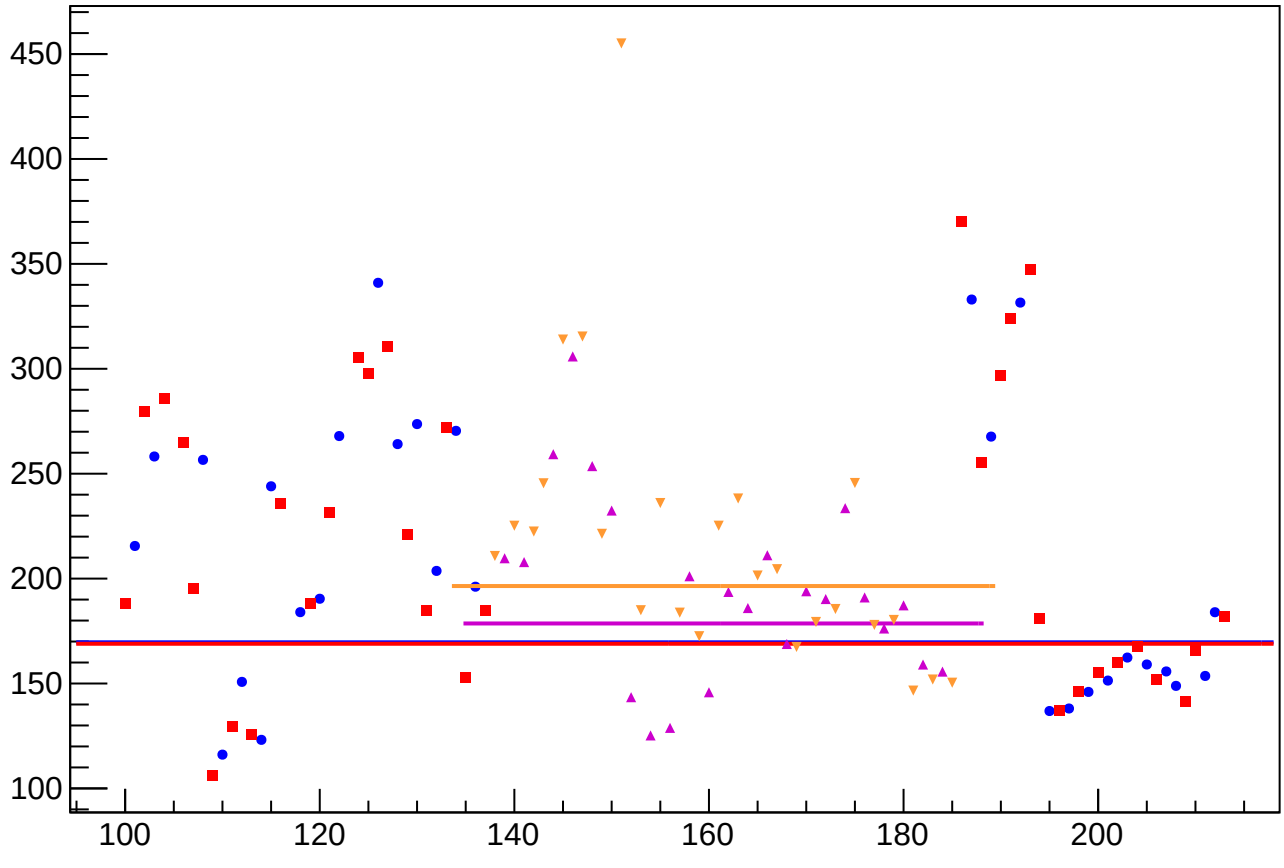
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -213.432+/-29.462 χ^2/NDF: 59.4/62

In: -45.819+/-30.400 χ^2/NDF:63.8/51

Out: -62.283+/-30.694 χ^2/NDF:77.4/58

All: -53.972+/-21.599 χ^2/NDF: 141.3/110



Right In: 169.630+/-0.030 χ^2/NDF: 2288273.8/28

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

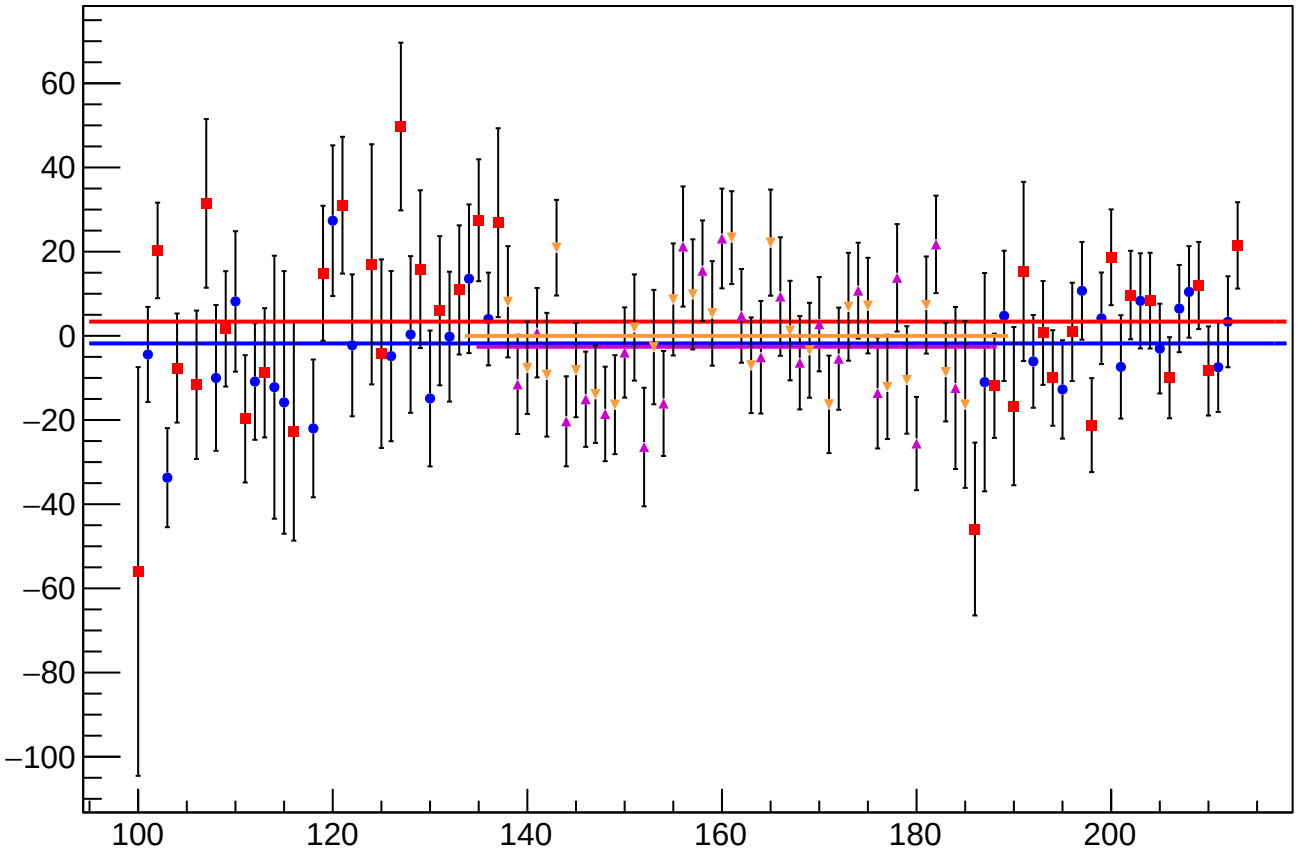
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 169.277+/-0.021 χ^2/NDF: 5297225.1/62

In: 173.990+/-0.021 χ^2/NDF:4010760.2/51

Out: 181.032+/-0.022 χ^2/NDF:5223121.2/58

All: 177.477+/-0.015 χ^2/NDF: 9287034.5/110



Right In: -1.808+/-2.500 χ^2/NDF: 20.9/28

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

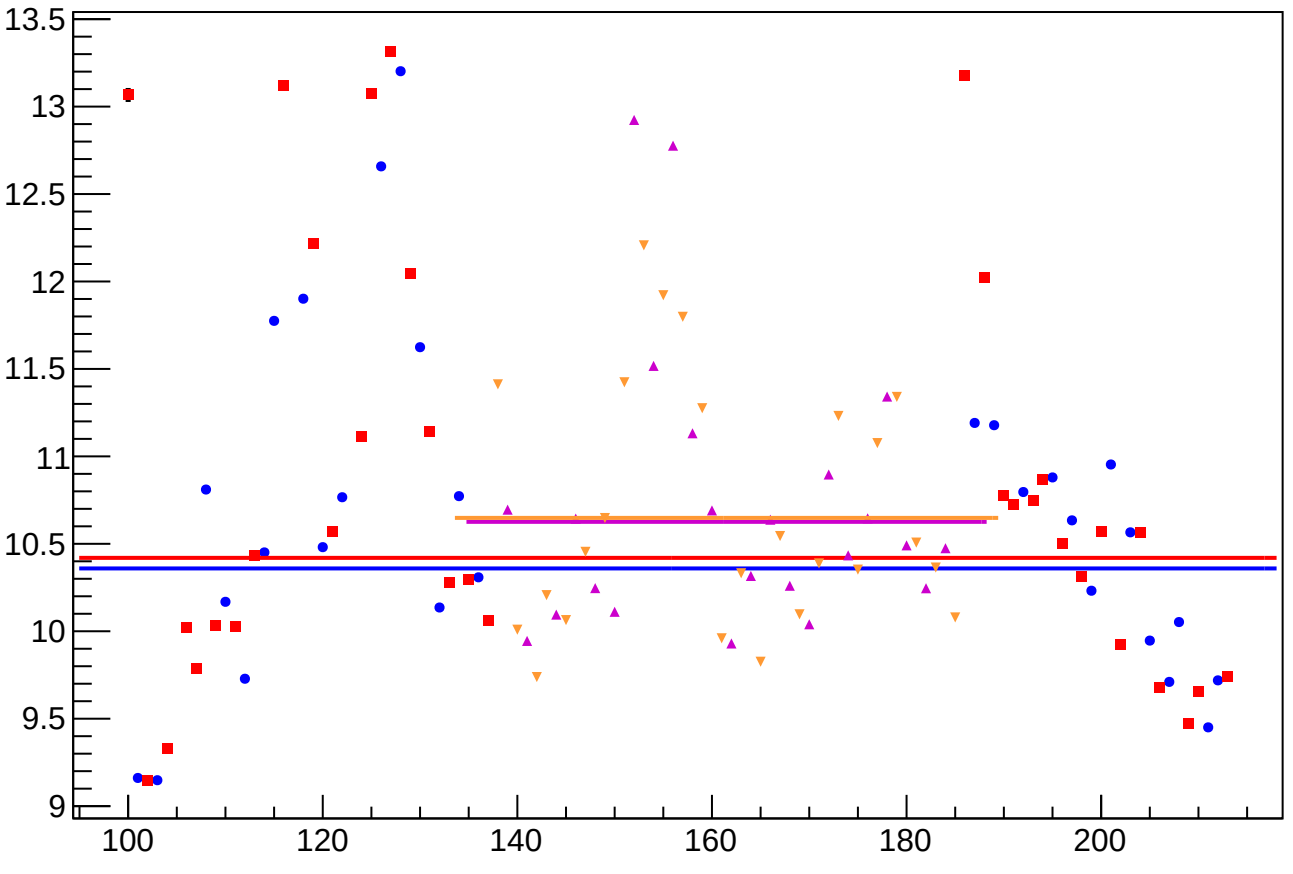
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 0.885+/-1.735 χ^2/NDF: 72.3/62

In: -2.198+/-1.770 χ^2/NDF:55.7/51

Out: 1.708+/-1.716 χ^2/NDF:73.9/58

All: -0.184+/-1.232 χ^2/NDF: 132.1/110



Right In: 10.359+/-0.002 χ^2/NDF: 214523.1/28

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

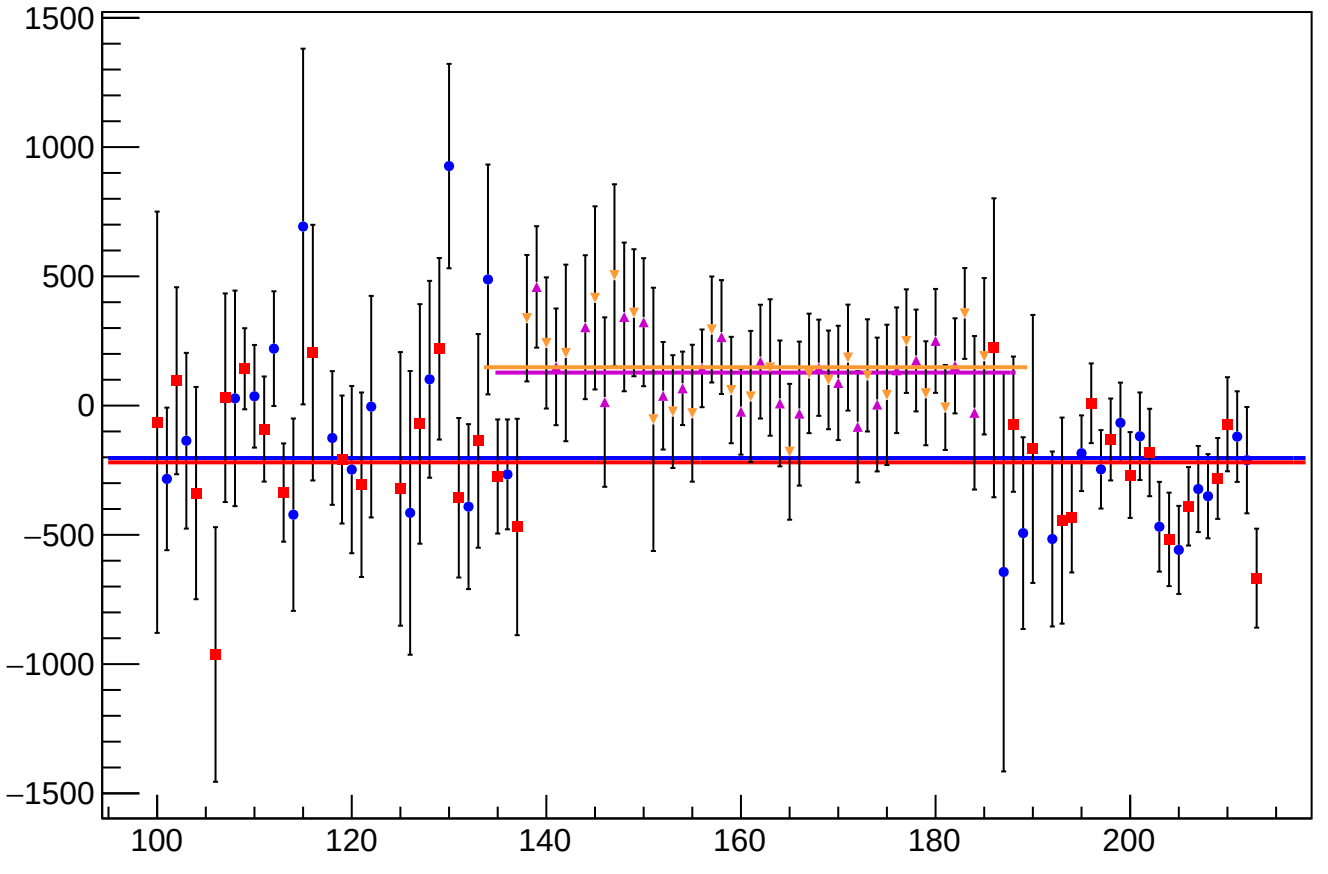
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.391+/-0.001 χ^2/NDF: 532415.7/62

In: 10.492+/-0.001 χ^2/NDF:385399.8/51

Out: 10.532+/-0.001 χ^2/NDF:469693.7/58

All: 10.513+/-0.001 χ^2/NDF: 855623.7/110



Right In: -202.822+/-42.735 χ^2/NDF: 30.8/28

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

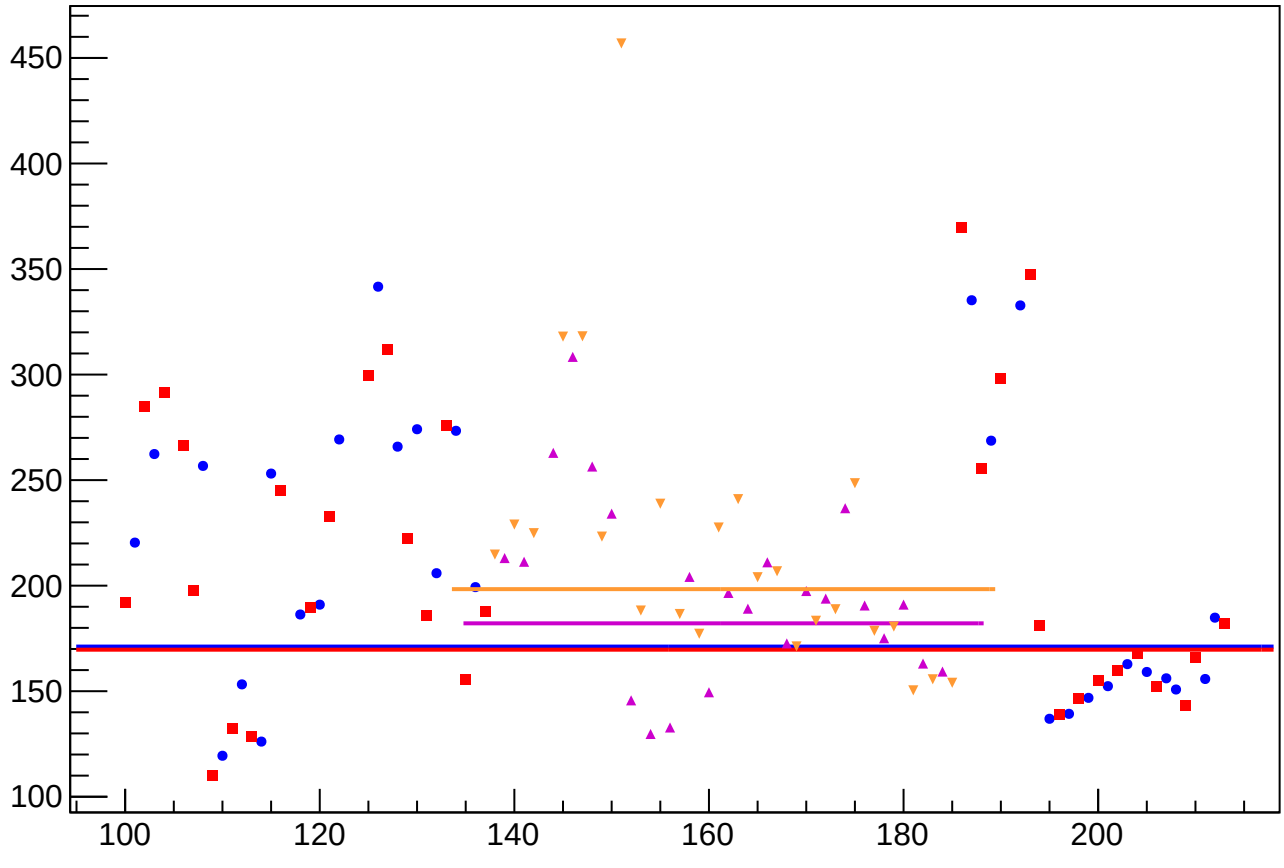
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -211.432+/-29.776 χ^2/NDF: 58.9/60

In: -43.966+/-30.799 χ^2/NDF:67.4/51

Out: -61.047+/-31.319 χ^2/NDF:71.7/55

All: -52.363+/-21.960 χ^2/NDF: 139.3/107



Right In: 171.139+/-0.030 χ^2/NDF: 2276584.6/28

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

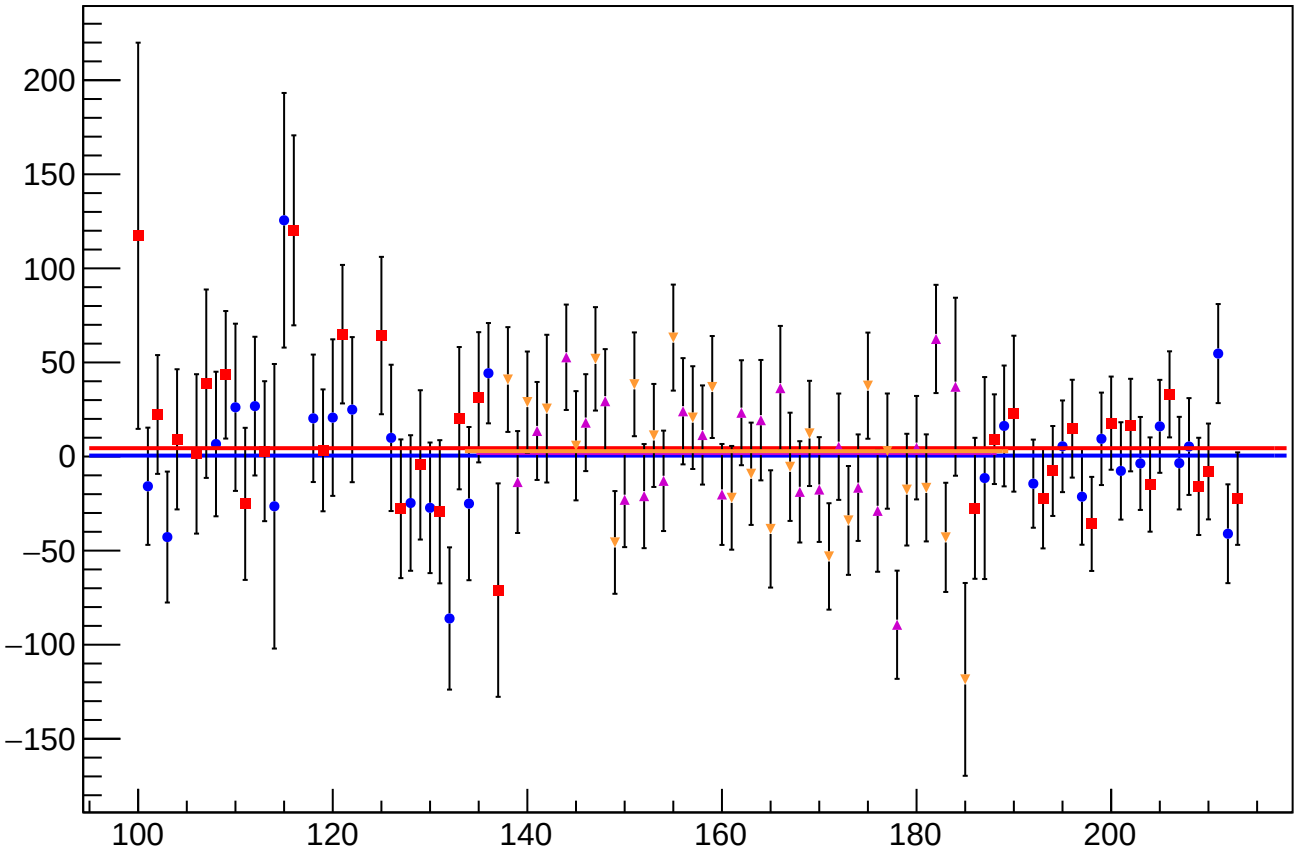
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 170.382+/-0.021 χ^2/NDF: 5042557.0/60

In: 176.431+/-0.022 χ^2/NDF:3924757.1/51

Out: 182.023+/-0.022 χ^2/NDF:4873162.1/55

All: 179.180+/-0.016 χ^2/NDF: 8830327.5/107



Right In: 0.501+/-5.763 χ^2/NDF: 25.7/28

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

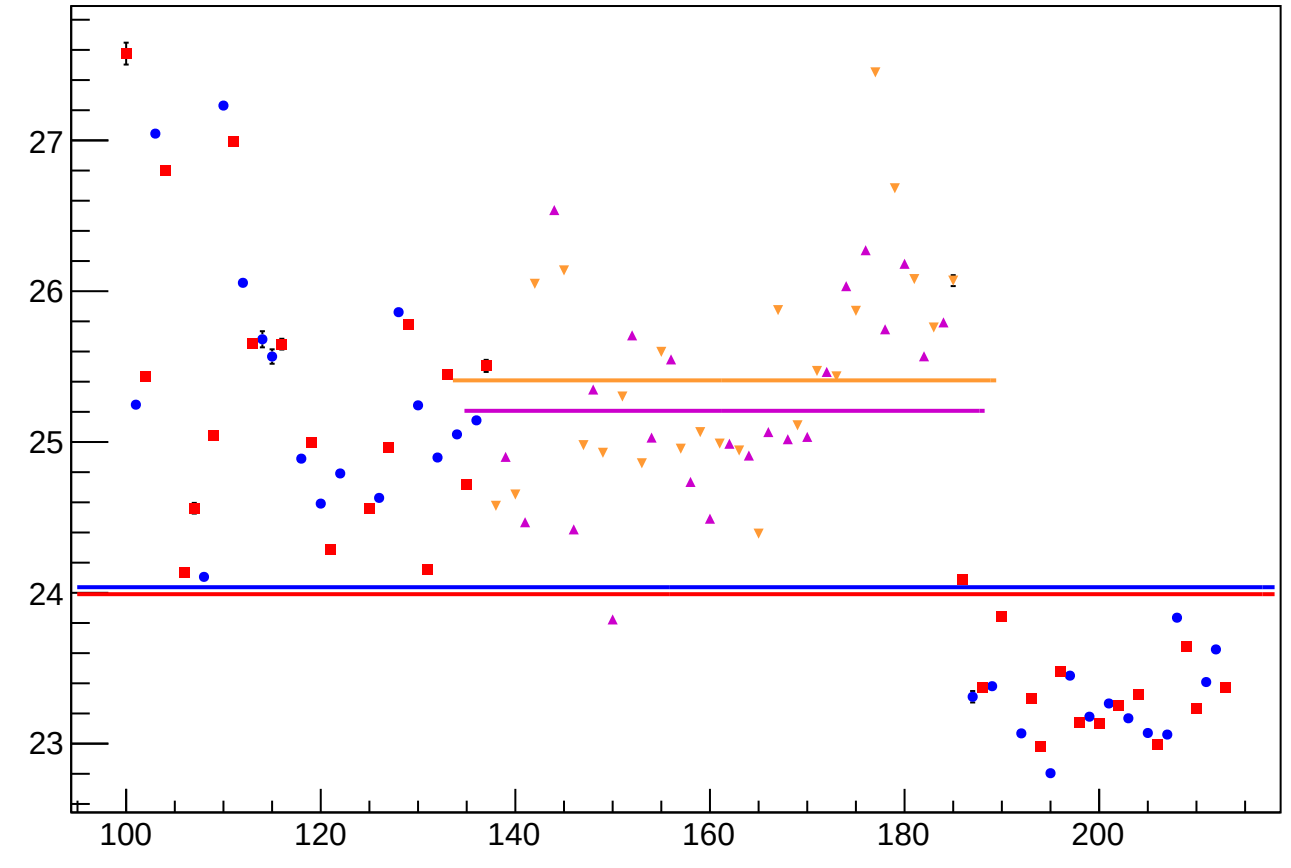
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 2.540+/-4.002 χ^2/NDF: 53.7/60

In: 1.160+/-4.120 χ^2/NDF:53.8/51

Out: 3.693+/-4.048 χ^2/NDF:64.7/55

All: 2.449+/-2.888 χ^2/NDF: 118.7/107



Right In: 24.037+/-0.004 χ^2/NDF: 77855.7/28

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

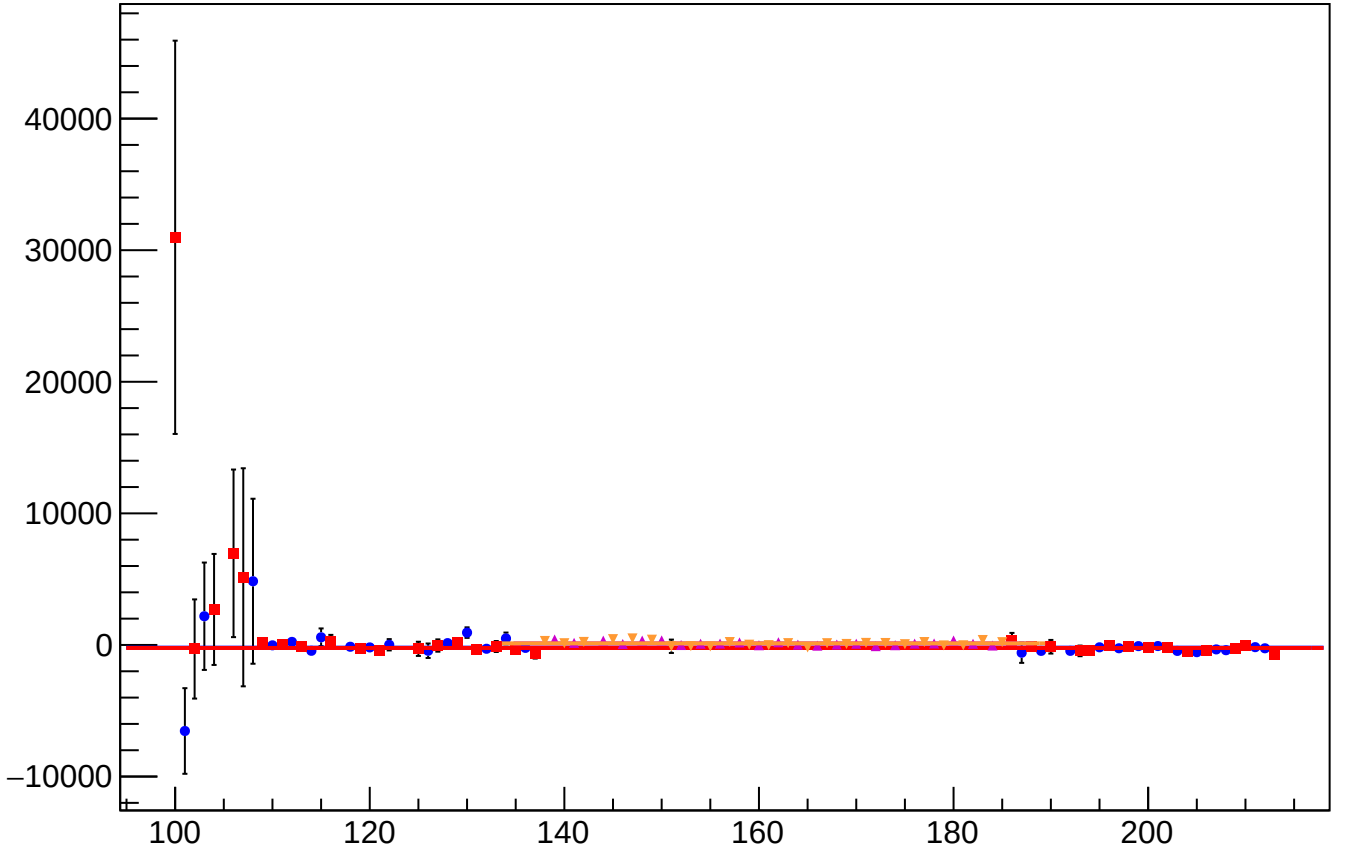
Right: 24.013+/-0.003 χ^2/NDF: 150744.0/60

In: 24.609+/-0.003 χ^2/NDF:143946.2/51

Out: 24.658+/-0.003 χ^2/NDF:160783.2/55

All: 24.634+/-0.002 χ^2/NDF: 304870.5/107

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -206.014+/-44.429 χ^2/NDF: 33.8/28

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

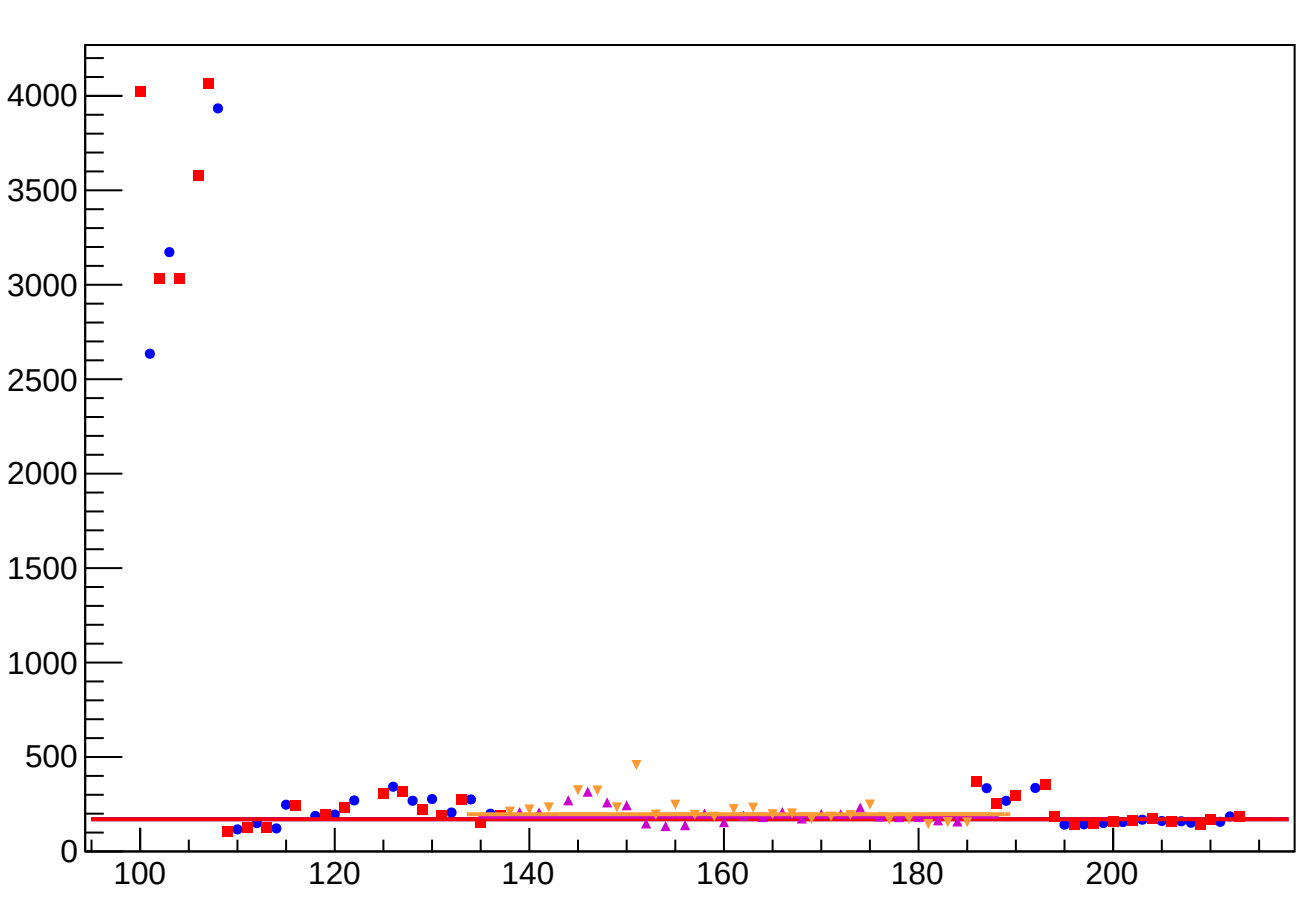
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -217.391+/-31.146 χ^2/NDF: 66.0/60

In: -46.176+/-31.541 χ^2/NDF:68.3/51

Out: -68.457+/-32.132 χ^2/NDF:73.2/55

All: -57.110+/-22.509 χ^2/NDF: 141.8/107



Right In: 170.748+/-0.031 χ^2/NDF: 4892450.6/28

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

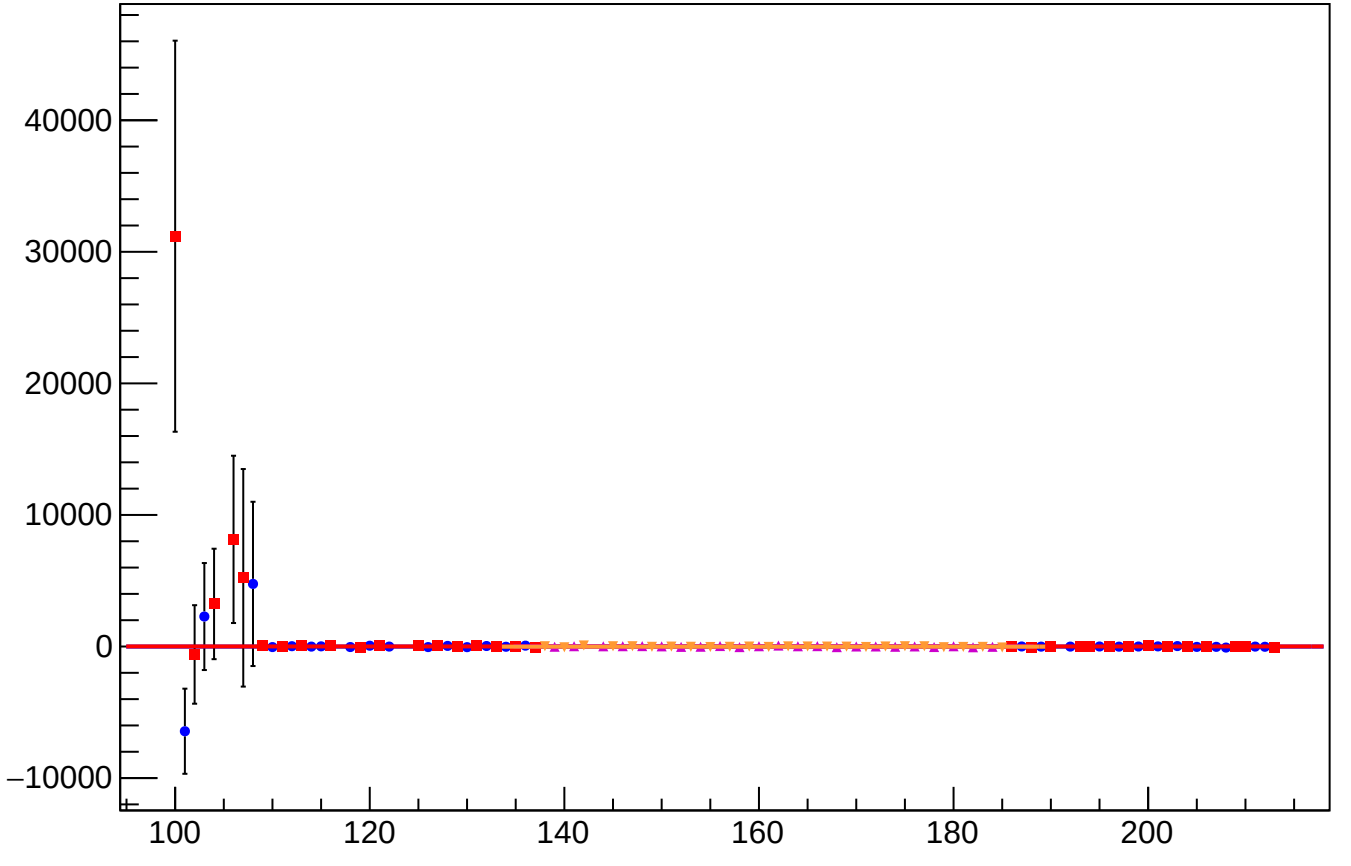
Right: 170.602+/-0.022 χ^2/NDF: 10322473.7/60

In: 177.346+/-0.022 χ^2/NDF:6426813.2/51

Out: 182.606+/-0.023 χ^2/NDF:7576360.4/55

All: 179.927+/-0.016 χ^2/NDF: 14030470.1/10

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: -5.743+/-6.853 χ^2/NDF: 29.2/28

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

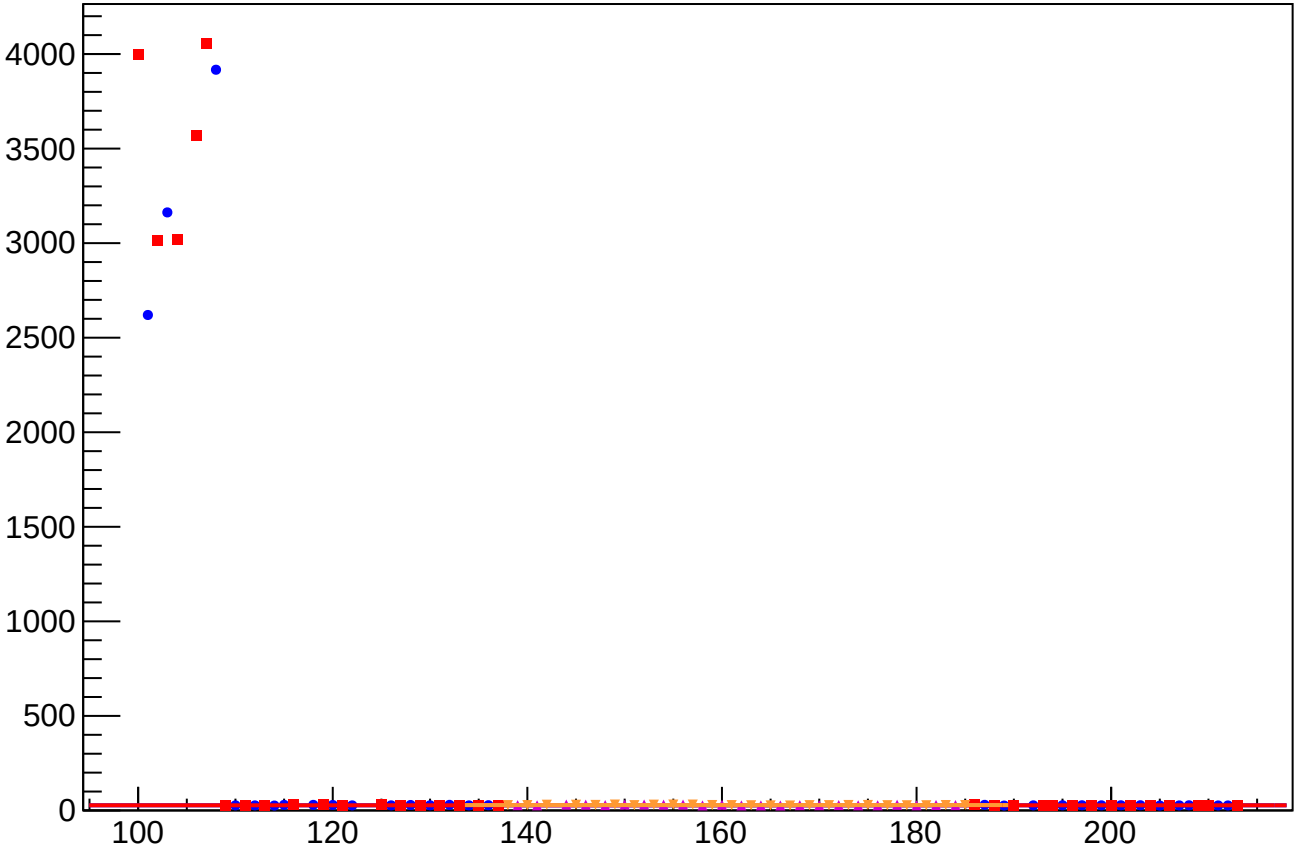
Right: 0.446+/-4.798 χ^2/NDF: 68.2/60

In: -1.509+/-4.803 χ^2/NDF:52.1/51

Out: -2.444+/-4.727 χ^2/NDF:58.3/55

All: -1.984+/-3.369 χ^2/NDF: 110.4/107

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 27.218+/-0.005 χ^2/NDF: 3288472.3/28

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

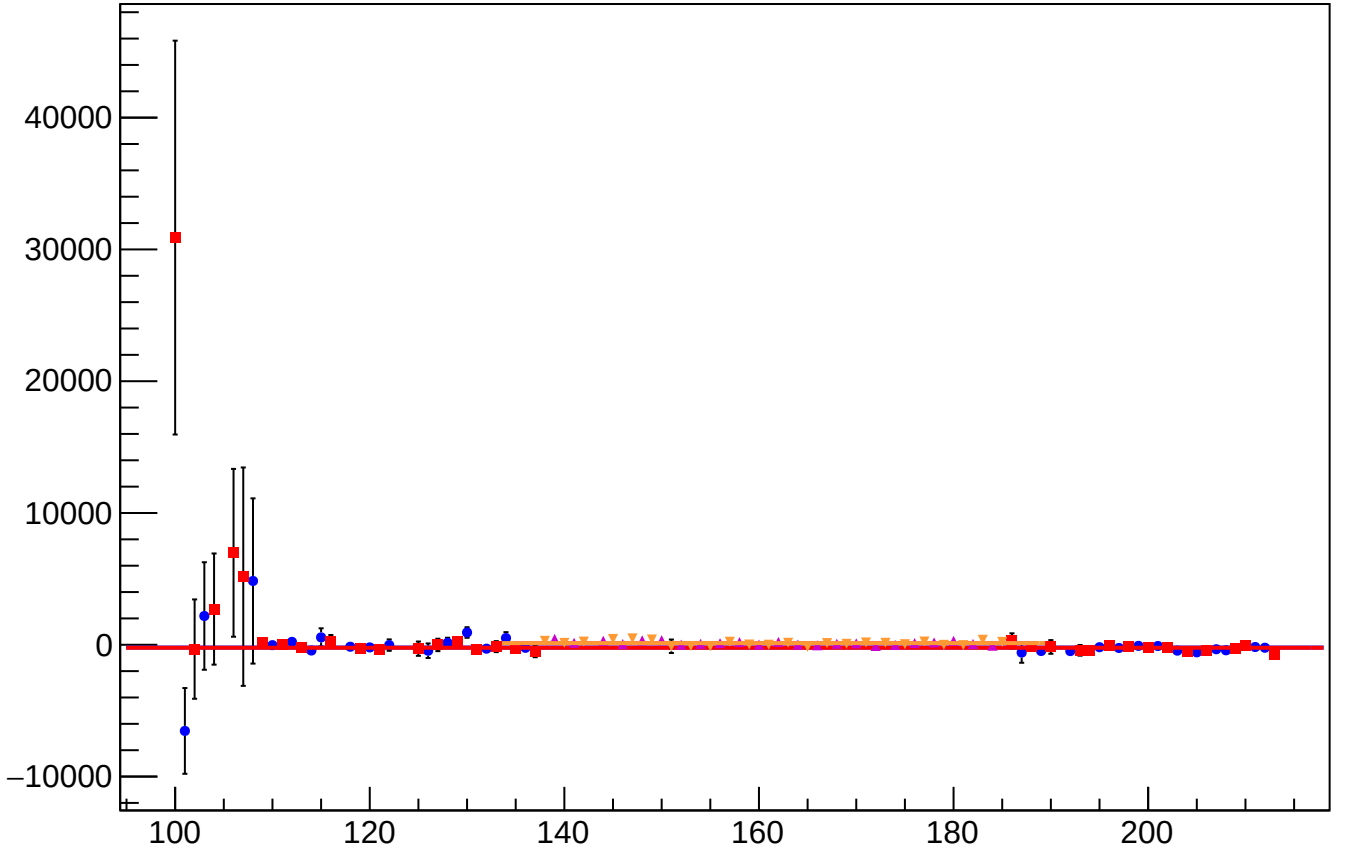
Right: 27.260+/-0.003 χ^2/NDF: 6886061.3/60

In: 27.986+/-0.003 χ^2/NDF:3465274.5/51

Out: 27.953+/-0.003 χ^2/NDF:3715755.1/55

All: 27.969+/-0.002 χ^2/NDF: 7181078.3/107

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -211.146+/-44.624 χ^2/NDF: 34.1/28

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

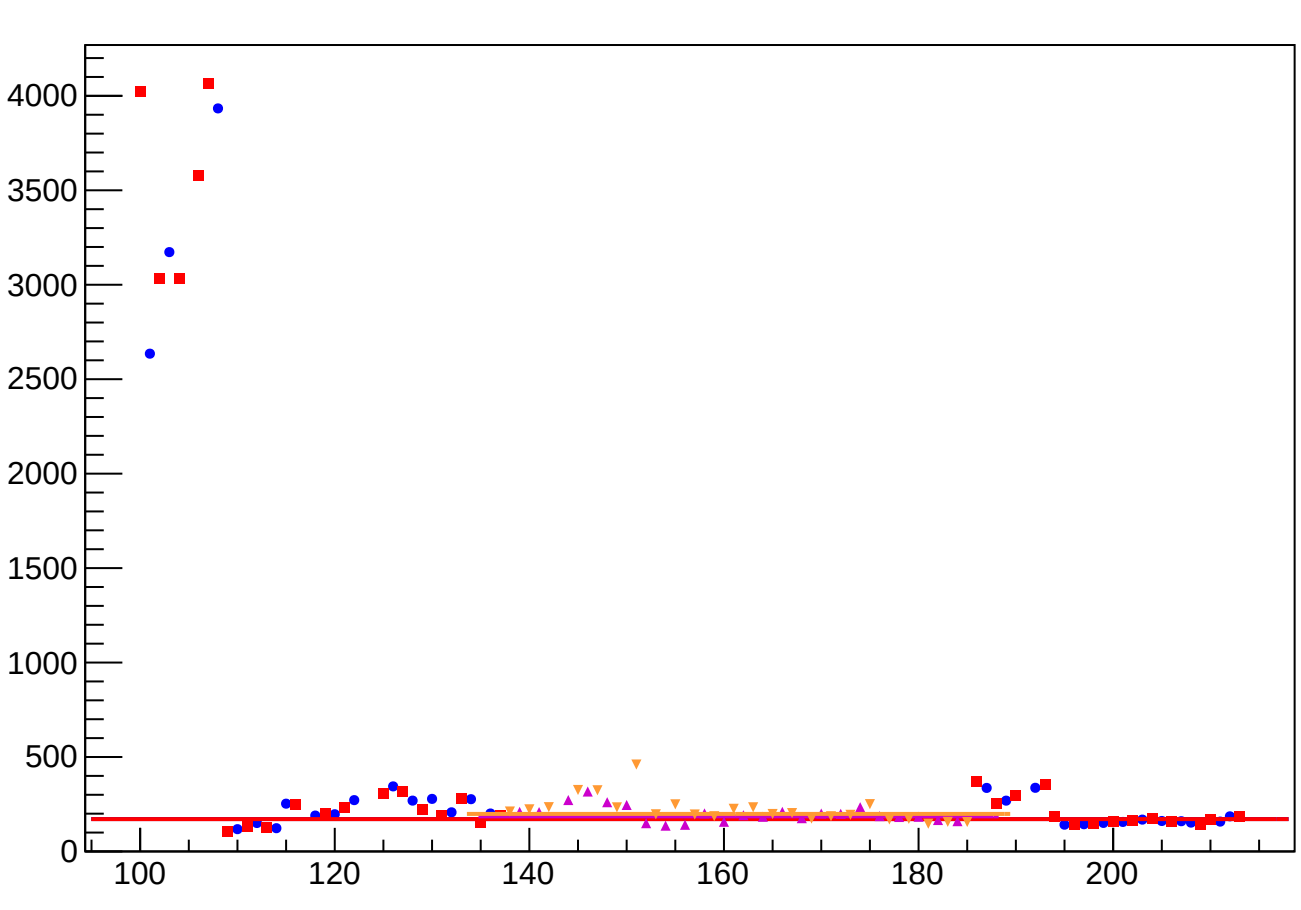
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -218.396+/-31.276 χ^2/NDF: 64.4/60

In: -46.305+/-31.755 χ^2/NDF:69.7/51

Out: -64.837+/-32.329 χ^2/NDF:71.3/55

All: -55.405+/-22.654 χ^2/NDF: 141.1/107



Right In: 171.512+/-0.032 χ^2/NDF: 4888500.5/28

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

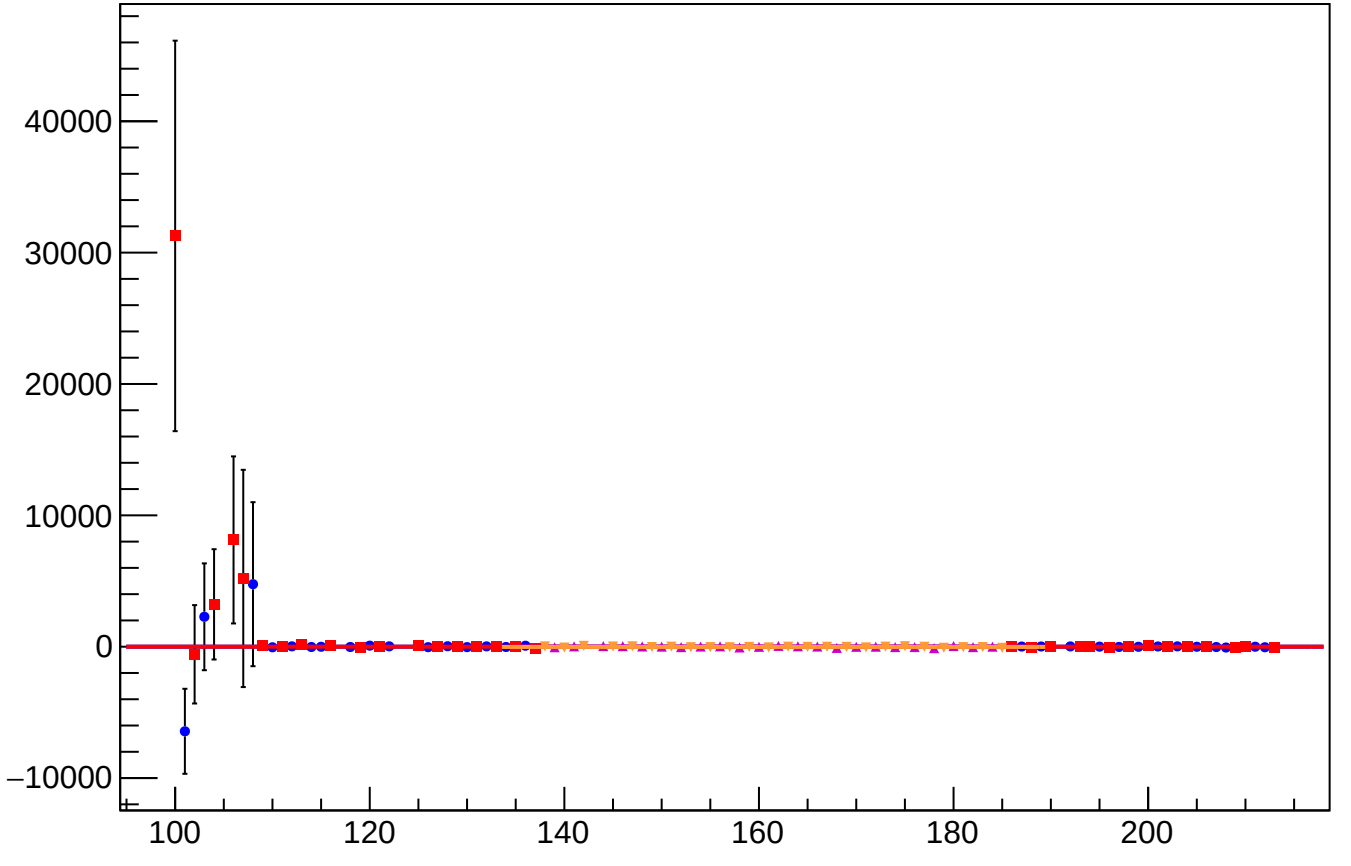
Right: 171.343+/-0.022 χ^2/NDF: 10305966.9/60

In: 178.600+/-0.022 χ^2/NDF:6396247.8/51

Out: 183.758+/-0.023 χ^2/NDF:7564309.6/55

All: 181.133+/-0.016 χ^2/NDF: 13986467.4/10

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.761+/-7.580 χ^2/NDF: 24.3/28

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

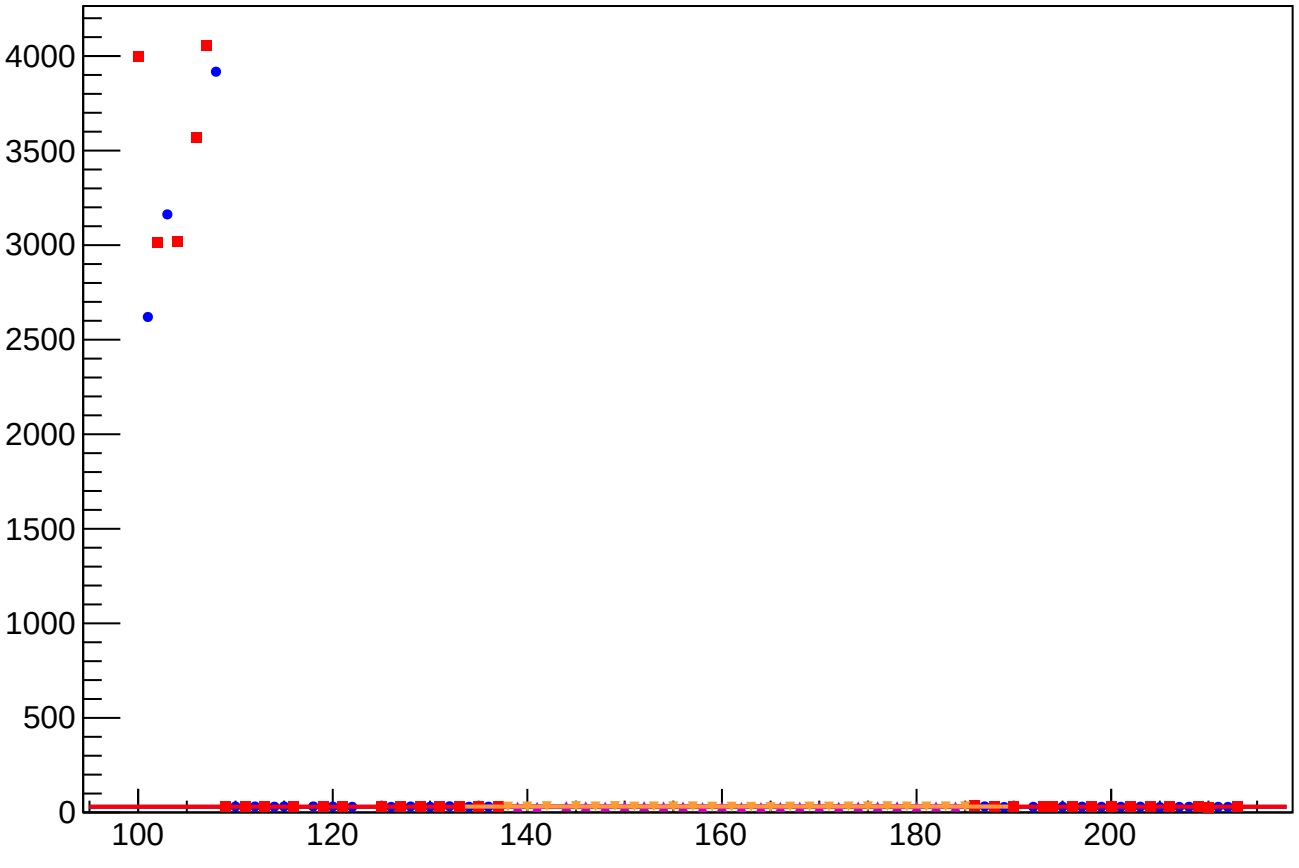
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 0.695+/-5.302 χ^2/NDF: 67.2/60

In: -1.028+/-5.276 χ^2/NDF:60.0/51

Out: -8.983+/-5.189 χ^2/NDF:66.4/55

All: -5.071+/-3.699 χ^2/NDF: 127.6/107



Right In: 30.113+/-0.005 χ^2/NDF: 3275492.3/28

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

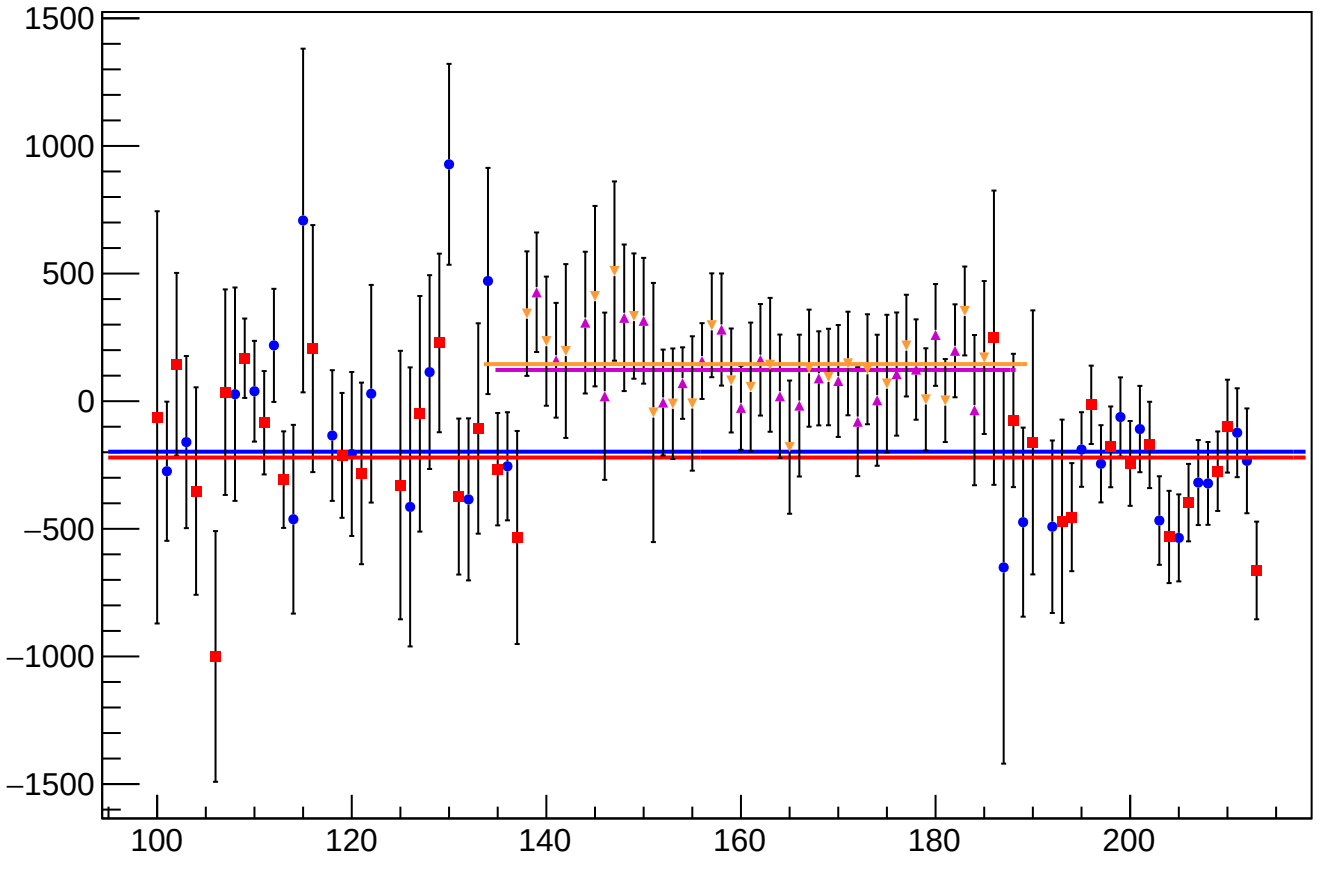
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.143+/-0.004 χ^2/NDF: 6845475.0/60

In: 30.766+/-0.004 χ^2/NDF:3389521.4/51

Out: 30.708+/-0.004 χ^2/NDF:3637770.0/55

All: 30.737+/-0.003 χ^2/NDF: 7027411.4/107



Right In: -197.855+/-42.595 χ^2/NDF: 30.2/28

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

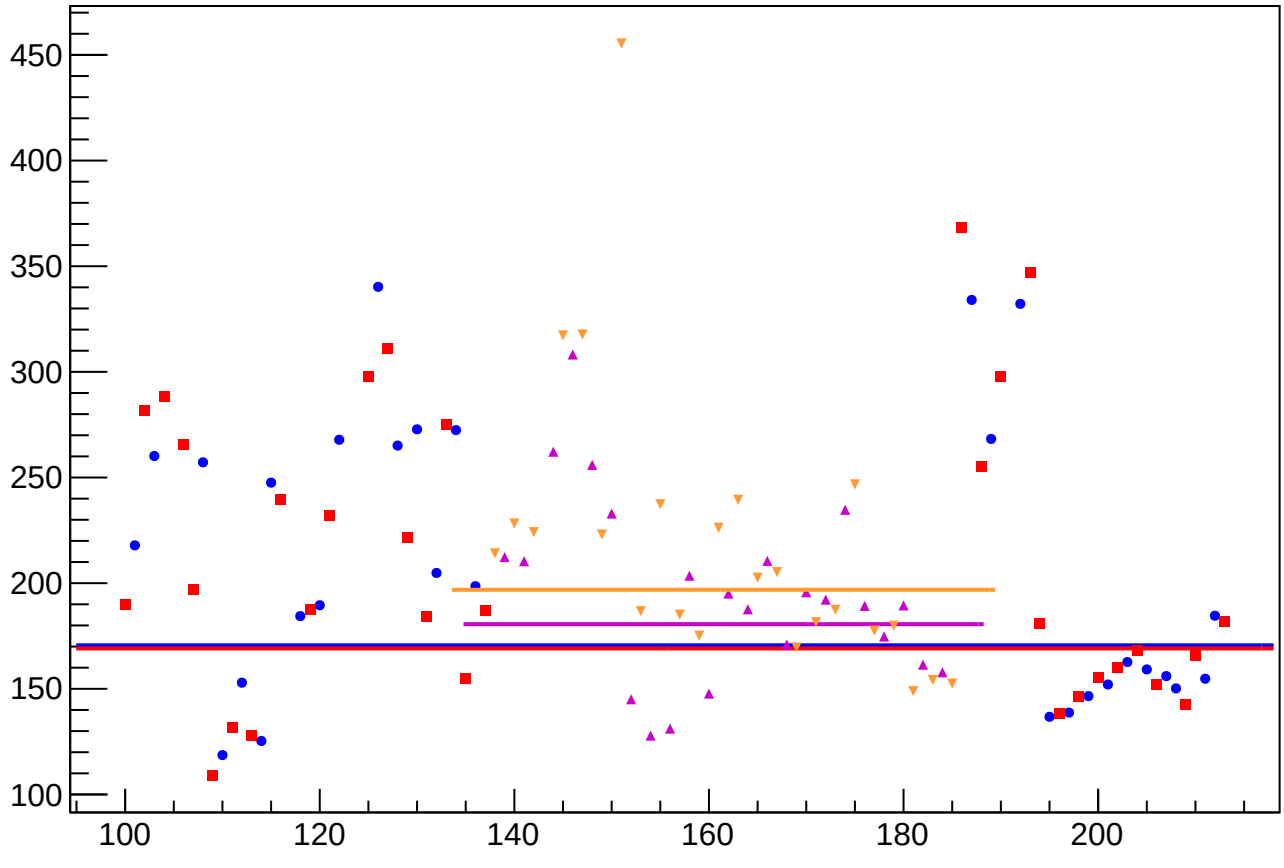
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -209.611+/-29.679 χ^2/NDF: 59.8/60

In: -43.228+/-30.631 χ^2/NDF:65.4/51

Out: -62.381+/-31.168 χ^2/NDF:72.6/55

All: -52.638+/-21.847 χ^2/NDF: 138.2/107



Right In: 170.591+/-0.030 χ^2/NDF: 2267685.1/28

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

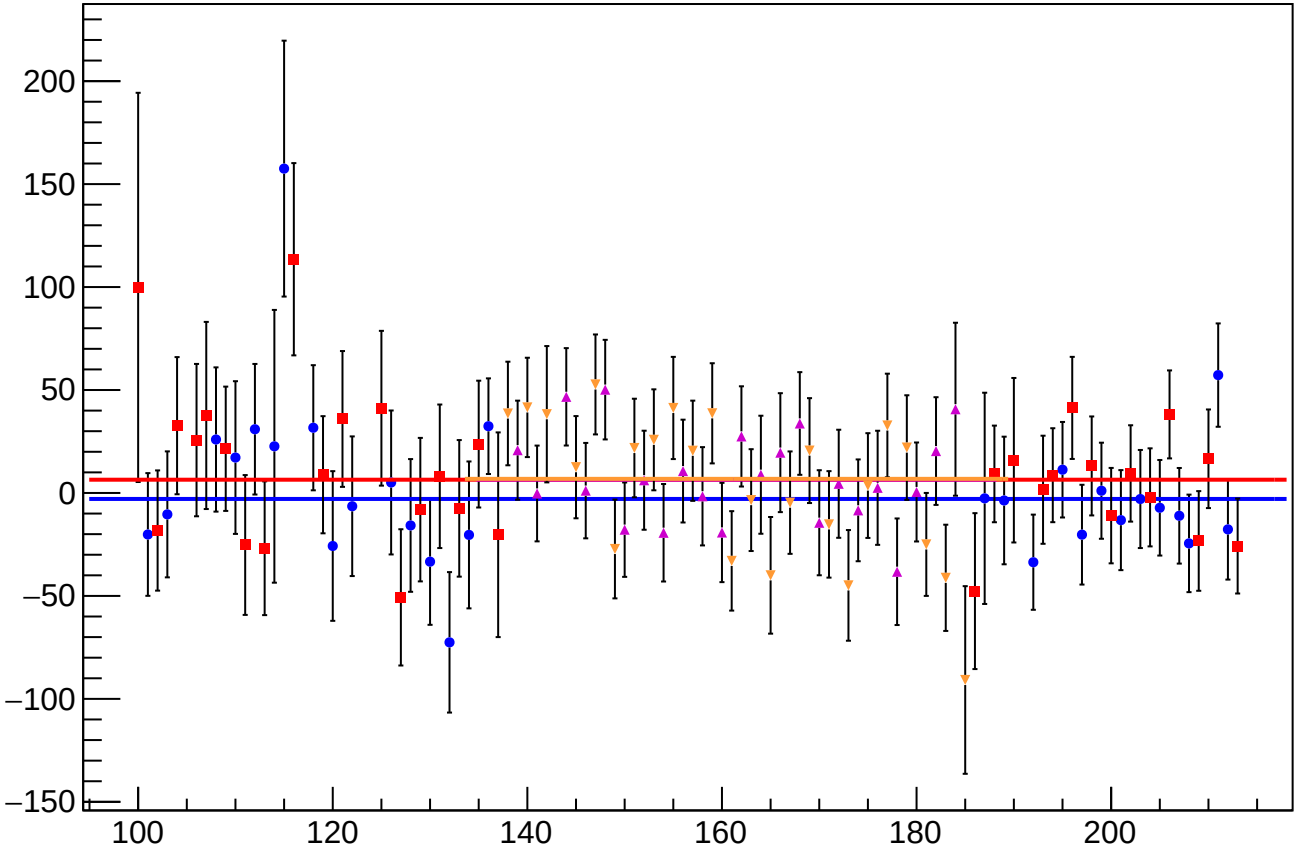
Right: 169.824+/-0.021 χ^2/NDF: 5030940.8/60

In: 175.425+/-0.022 χ^2/NDF:3949097.0/51

Out: 181.114+/-0.022 χ^2/NDF:4876843.8/55

All: 178.220+/-0.015 χ^2/NDF: 8859842.8/107

asym_bcm_dg_us_an_us_dd_mean vs Slug, Sign Corrected



Right In: -2.904+/-5.331 χ^2/NDF: 28.9/28

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

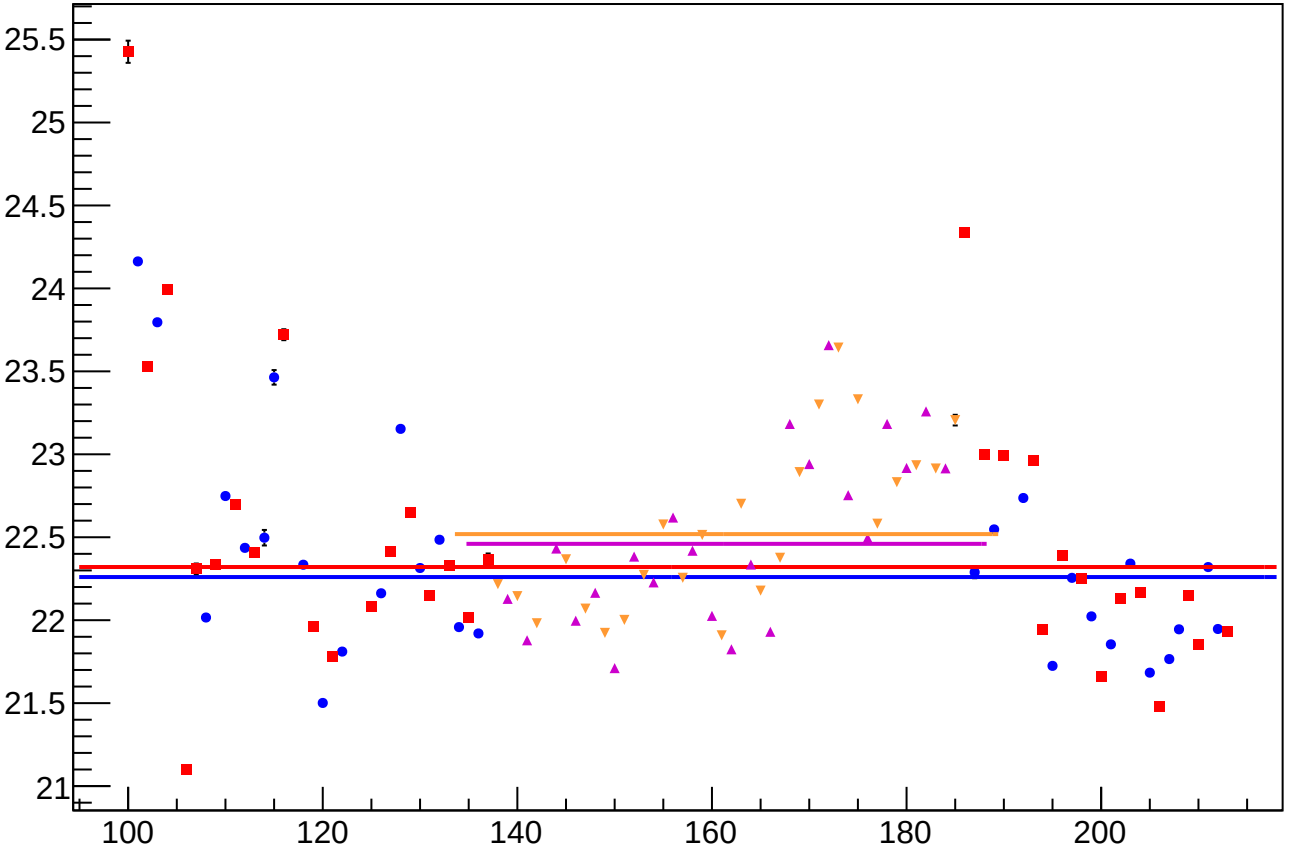
Right: 1.911+/-3.711 χ^2/NDF: 57.3/60

In: 1.864+/-3.739 χ^2/NDF:47.9/51

Out: 6.646+/-3.676 χ^2/NDF:63.7/55

All: 4.296+/-2.622 χ^2/NDF: 112.5/107

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.260+/-0.004 χ^2/NDF: 23640.1/28

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

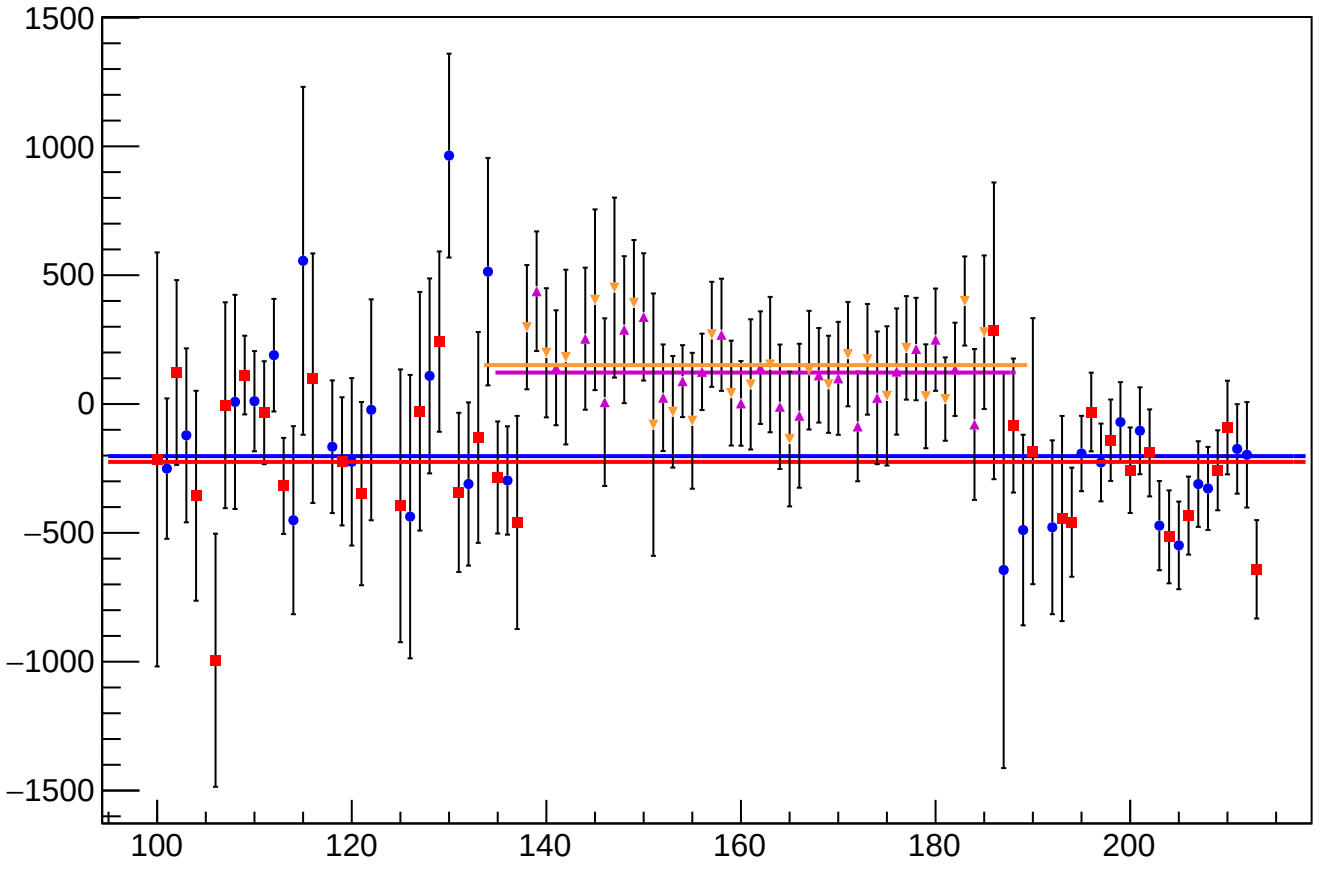
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.291+/-0.003 χ^2/NDF: 56081.6/60

In: 22.362+/-0.003 χ^2/NDF:44189.1/51

Out: 22.419+/-0.003 χ^2/NDF:49763.6/55

All: 22.391+/-0.002 χ^2/NDF: 94188.1/107



Right In: -202.230+/-42.466 χ^2/NDF: 29.5/28

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

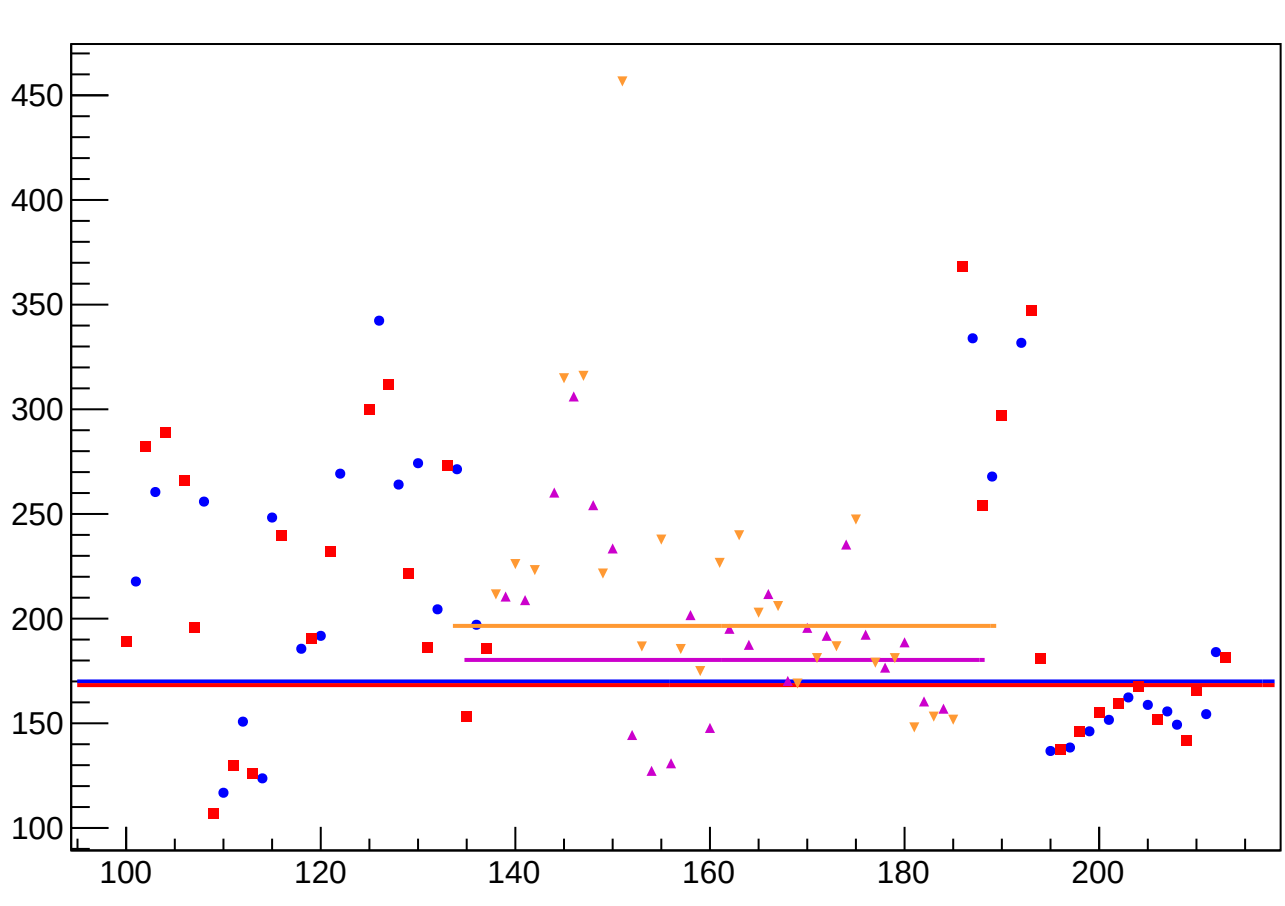
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -213.716+/-29.573 χ^2/NDF: 57.2/60

In: -45.808+/-30.558 χ^2/NDF:65.1/51

Out: -62.510+/-31.075 χ^2/NDF:73.3/55

All: -54.019+/-21.788 χ^2/NDF: 138.6/107



Right In: 169.990+/-0.030 χ^2/NDF: 2297902.7/28

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 168.237+/-0.029 χ^2/NDF: 2829614.2/31

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

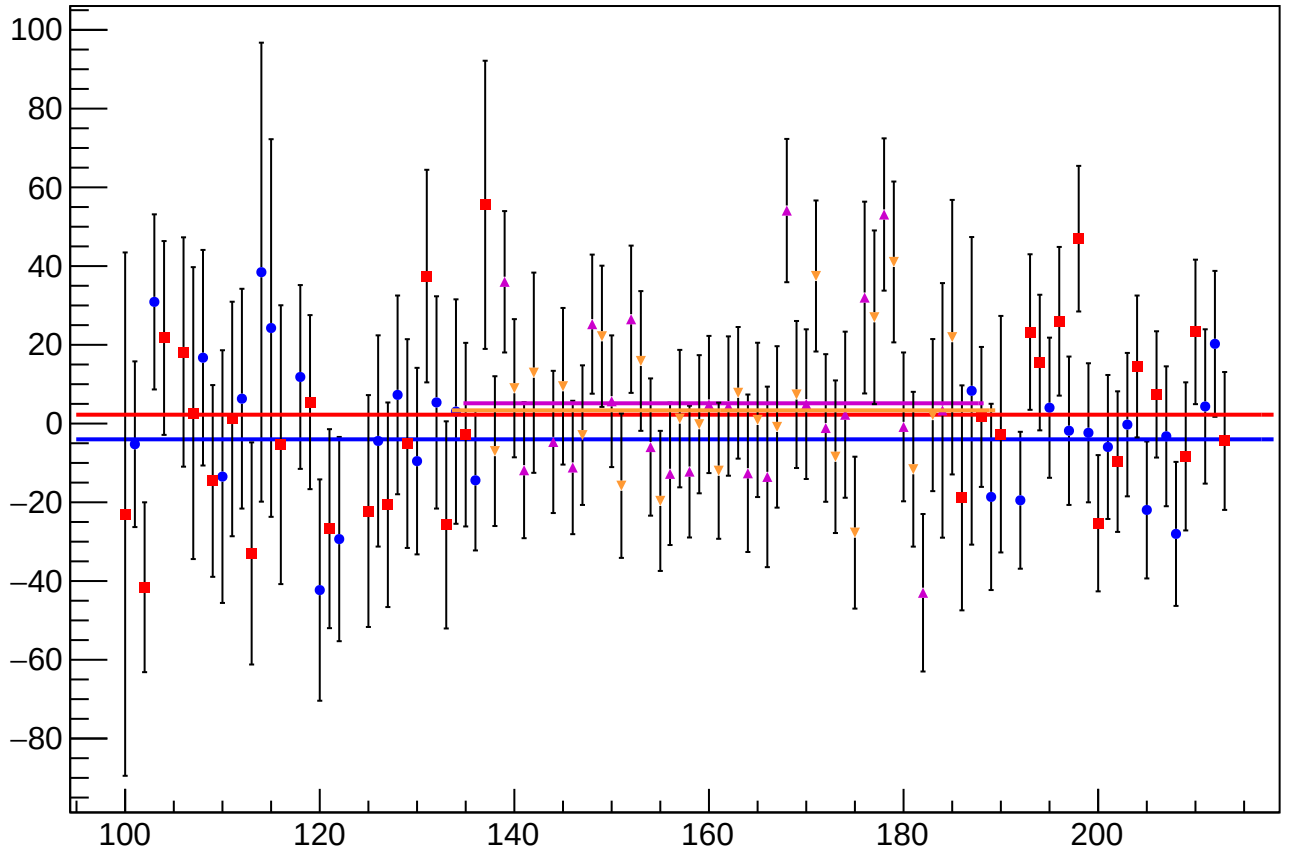
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 169.087+/-0.021 χ^2/NDF: 5129273.7/60

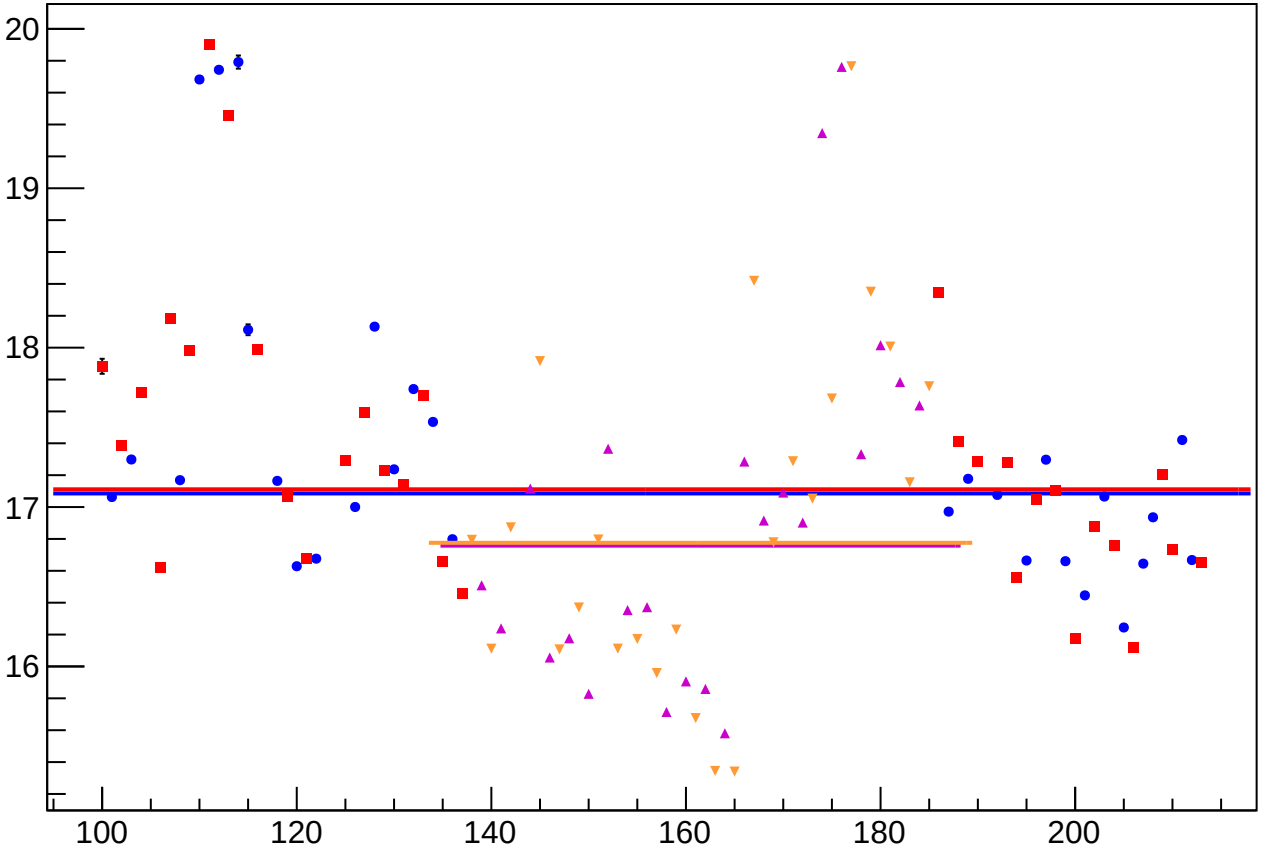
In: 174.949+/-0.022 χ^2/NDF:3979142.2/51

Out: 180.442+/-0.022 χ^2/NDF:4964276.6/55

All: 177.649+/-0.015 χ^2/NDF: 8975182.2/107


asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected
100
80
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
200
Right In: -4.005+/-4.097 χ²/NDF: 14.4/28
Left Out: 3.359+/-3.905 χ²/NDF:17.7/23
Right Out: 2.252+/-3.968 χ²/NDF: 30.2/31
Left In: 5.150+/-3.924 χ²/NDF:32.3/22
Left: 4.250+/-2.768 χ²/NDF: 50.1/46
Right: -0.776+/-2.850 χ²/NDF: 45.8/60
In: 0.770+/-2.834 χ²/NDF:49.3/51
Out: 2.815+/-2.783 χ²/NDF:47.9/55
All: 1.811+/-1.986 χ²/NDF: 97.5/107

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.085+/-0.003 χ^2/NDF: 56109.2/28

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

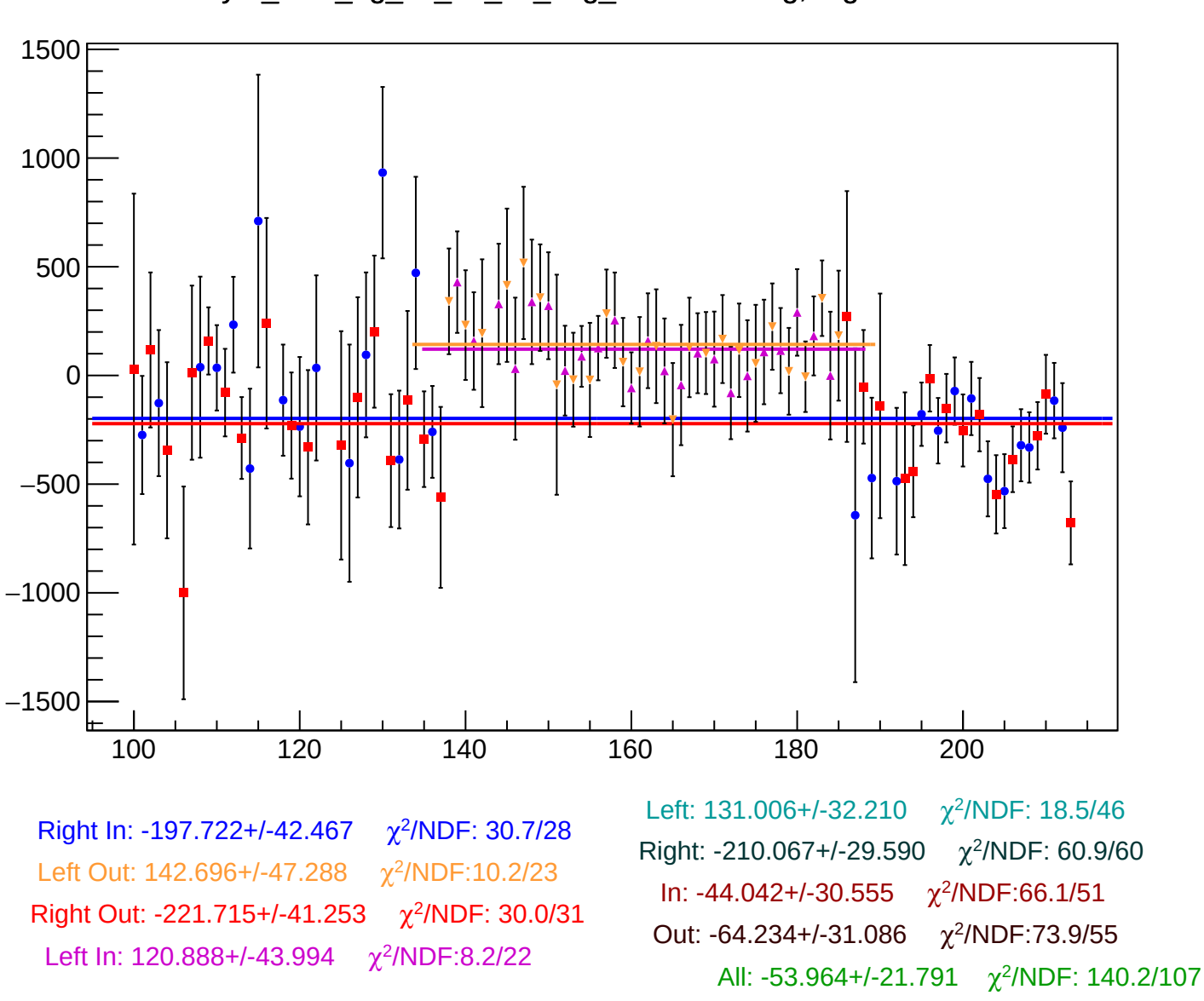
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

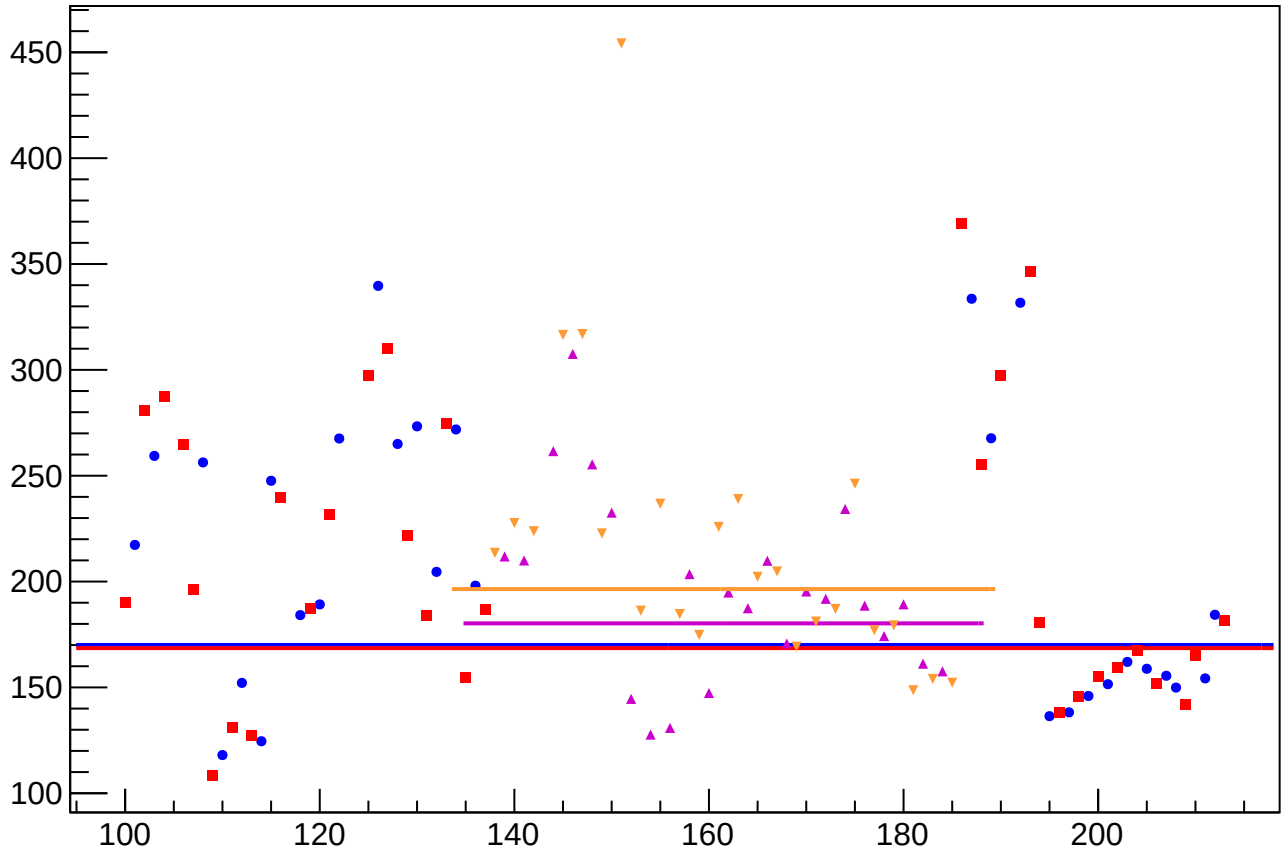
Right: 17.099+/-0.002 χ^2/NDF: 122635.1/60

In: 16.915+/-0.002 χ^2/NDF:186083.6/51

Out: 16.941+/-0.002 χ^2/NDF:209896.9/55

All: 16.928+/-0.001 χ^2/NDF: 396068.3/107


asym_bcm_dg_us_an_ds_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -197.722+/-42.467 χ²/NDF: 30.7/28
Left Out: 142.696+/-47.288 χ²/NDF:10.2/23
Right Out: -221.715+/-41.253 χ²/NDF: 30.0/31
Left In: 120.888+/-43.994 χ²/NDF:8.2/22
Left: 131.006+/-32.210 χ²/NDF: 18.5/46
Right: -210.067+/-29.590 χ²/NDF: 60.9/60
In: -44.042+/-30.555 χ²/NDF:66.1/51
Out: -64.234+/-31.086 χ²/NDF:73.9/55
All: -53.964+/-21.791 χ²/NDF: 140.2/107



Right In: 170.047+/-0.030 χ^2/NDF: 2280439.8/28

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 168.555+/-0.029 χ^2/NDF: 2779353.8/31

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

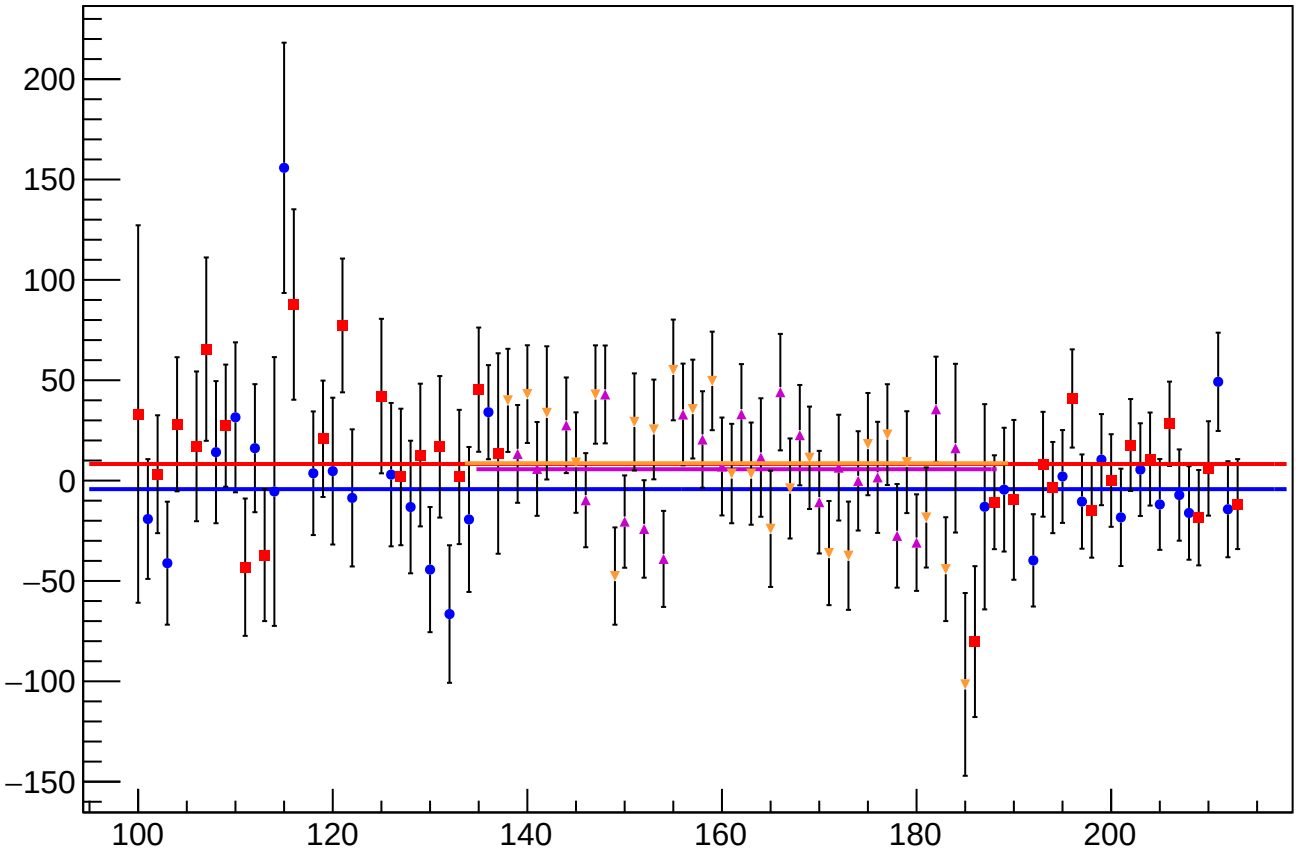
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 169.279+/-0.021 χ^2/NDF: 5061065.0/60

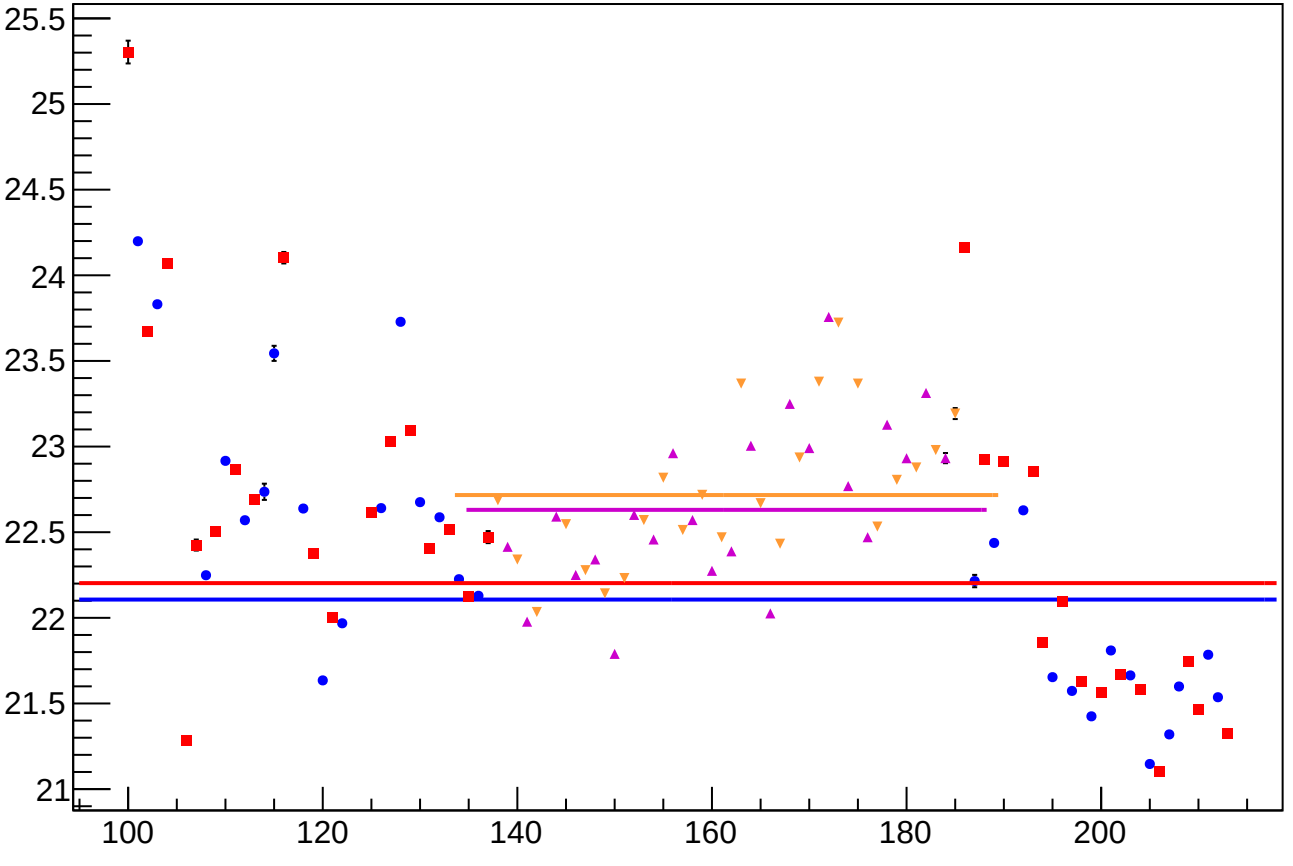
In: 174.968+/-0.022 χ^2/NDF:3963873.9/51

Out: 180.611+/-0.022 χ^2/NDF:4898150.0/55

All: 177.740+/-0.015 χ^2/NDF: 8895544.3/107


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: -4.256+/-5.296 χ²/NDF: 26.8/28
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: 2.187+/-3.690 χ²/NDF: 58.7/60
In: 0.714+/-3.741 χ²/NDF:49.3/51
Out: 8.460+/-3.683 χ²/NDF:68.2/55
All: 4.648+/-2.625 χ²/NDF: 119.7/107

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.107+/-0.004 χ^2/NDF: 40445.3/28

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

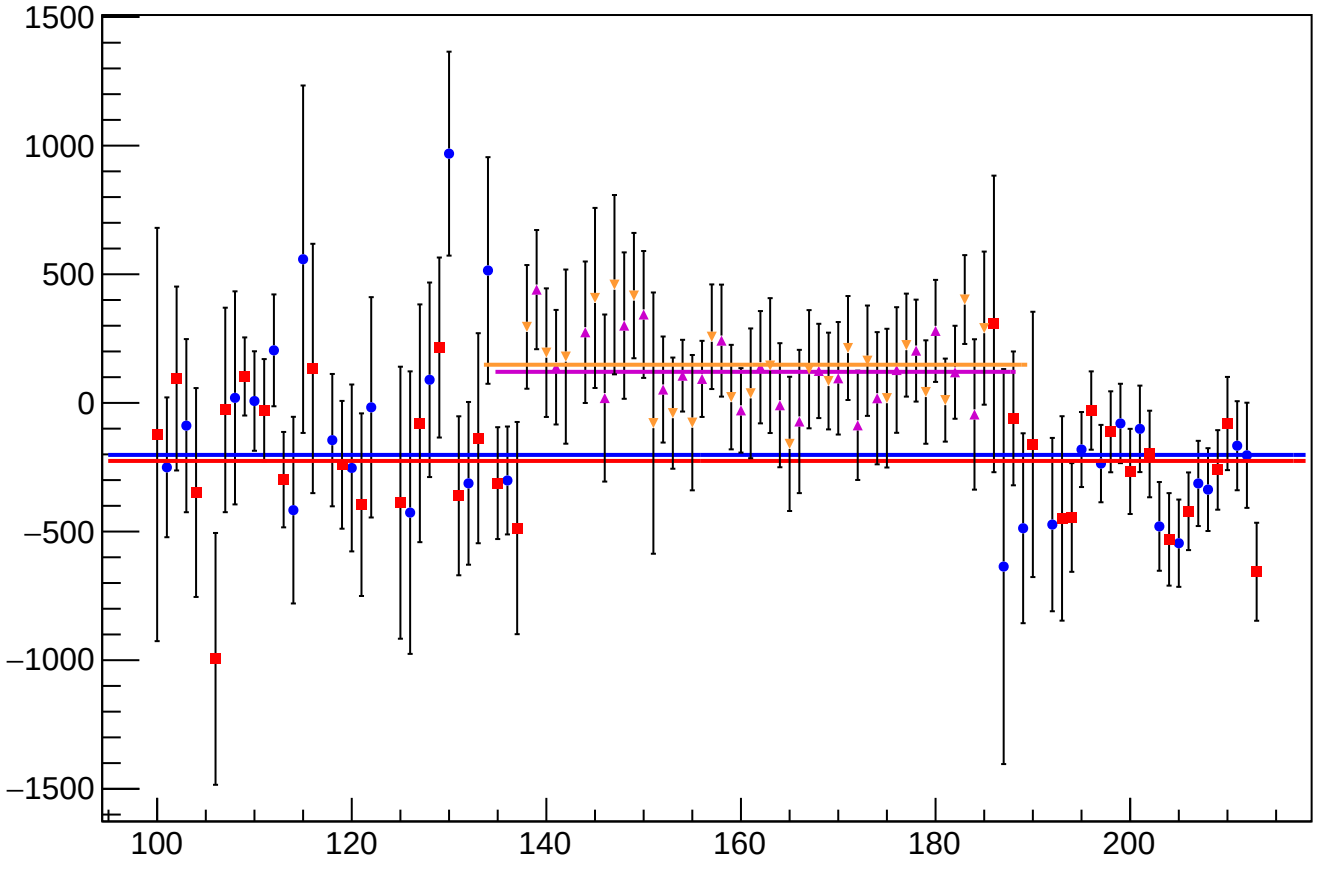
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.156+/-0.003 χ^2/NDF: 89419.7/60

In: 22.369+/-0.003 χ^2/NDF:65638.1/51

Out: 22.453+/-0.003 χ^2/NDF:70556.7/55

All: 22.412+/-0.002 χ^2/NDF: 136710.5/107



Right In: -202.081+/-42.338 χ^2/NDF: 30.0/28

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

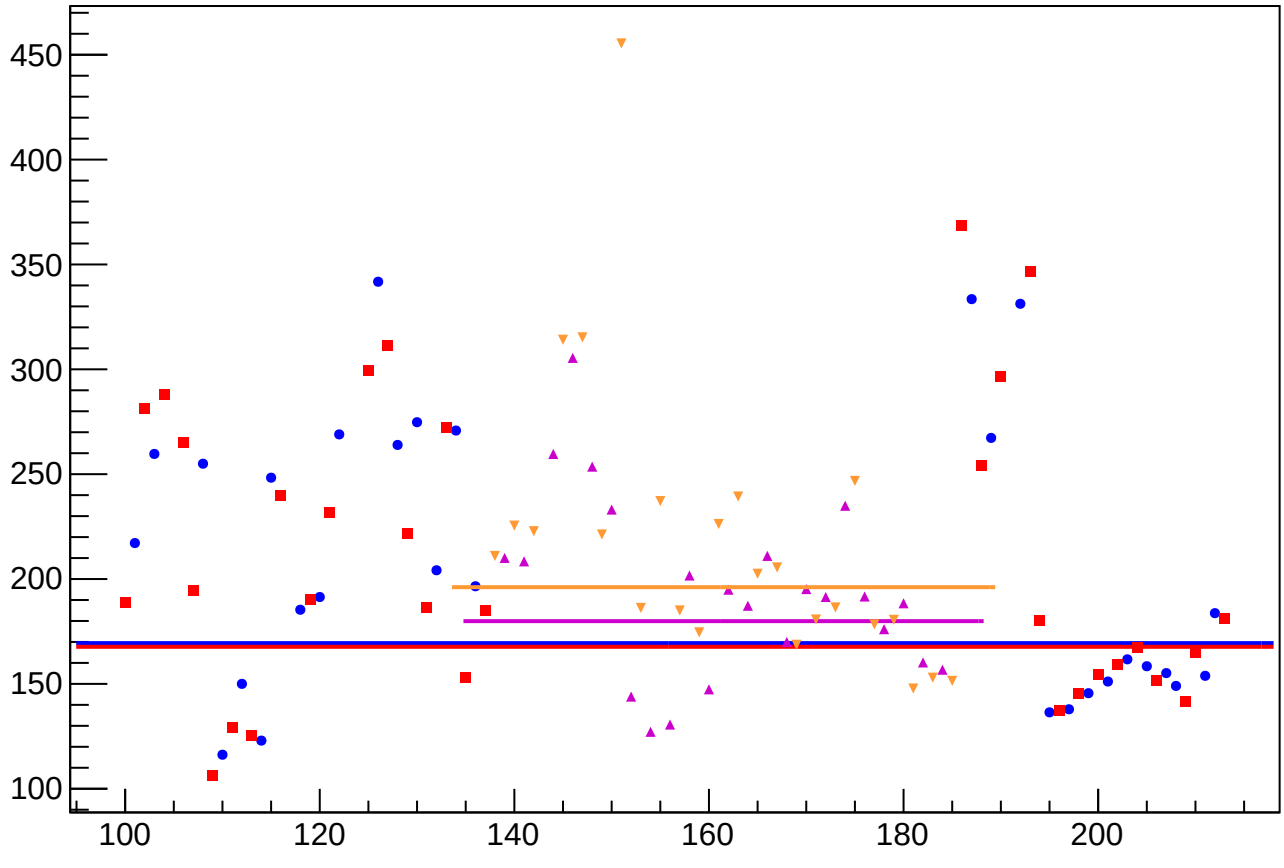
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -214.149+/-29.484 χ^2/NDF: 58.2/60

In: -46.581+/-30.481 χ^2/NDF:65.9/51

Out: -64.382+/-30.992 χ^2/NDF:74.7/55

All: -55.333+/-21.732 χ^2/NDF: 140.8/107



Right In: 169.443+/-0.030 χ^2/NDF: 2311141.9/28

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

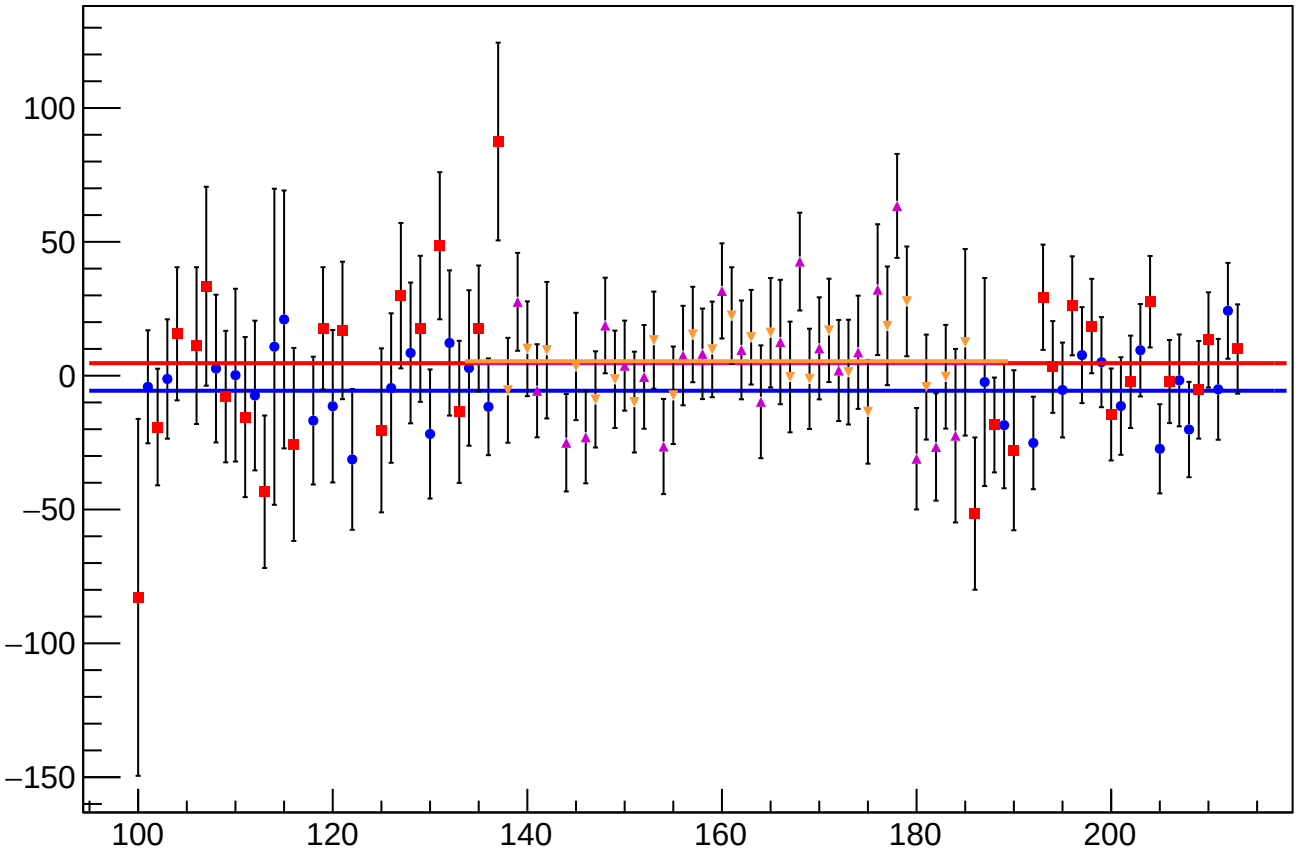
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 168.537+/-0.021 χ^2/NDF: 5160739.6/60

In: 174.491+/-0.022 χ^2/NDF:3994321.1/51

Out: 179.934+/-0.022 χ^2/NDF:4986761.7/55

All: 177.167+/-0.015 χ^2/NDF: 9012439.8/107



Right In: -5.628+/-4.045 χ^2/NDF: 11.7/28

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

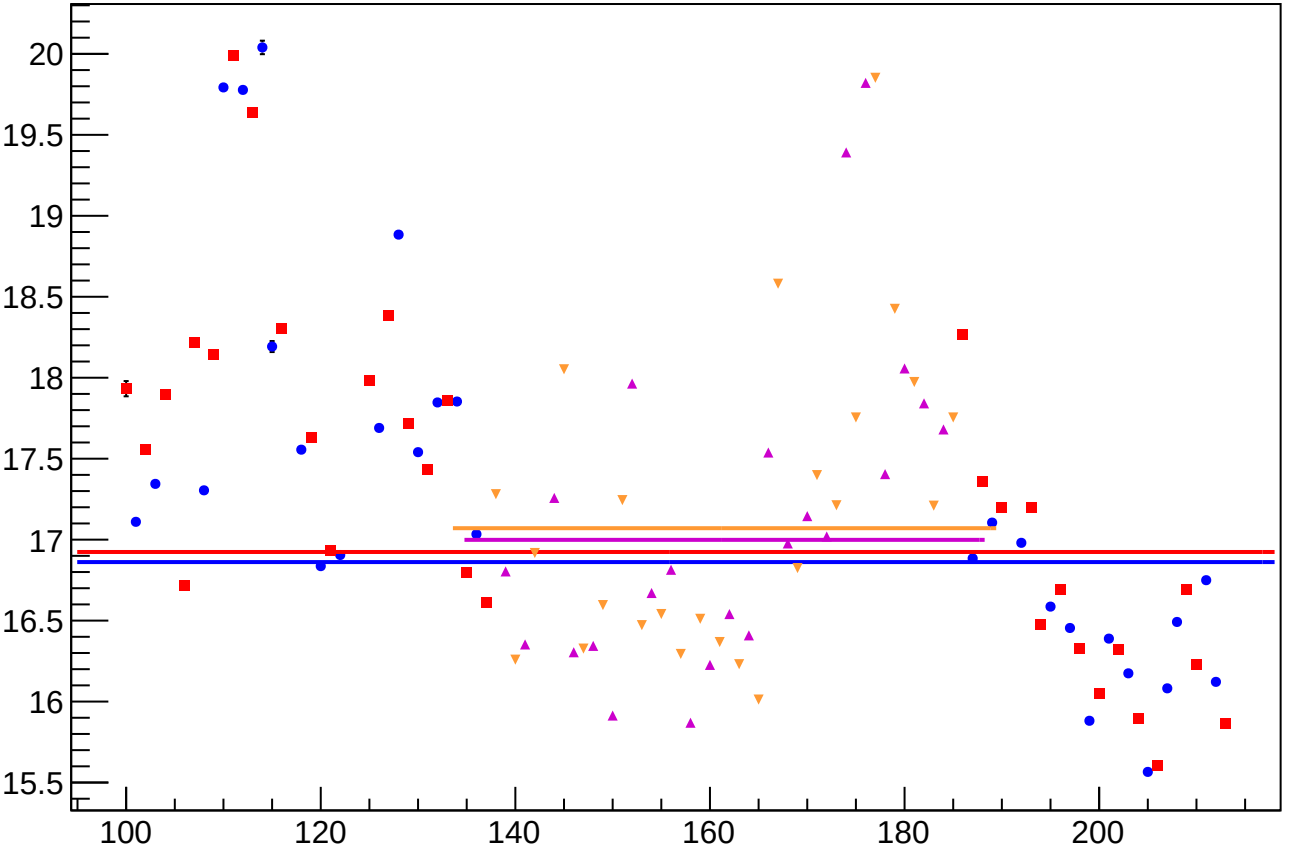
Right: -0.322+/-2.818 χ^2/NDF: 48.1/60

In: -0.300+/-2.837 χ^2/NDF:50.7/51

Out: 5.038+/-2.793 χ^2/NDF:40.8/55

All: 2.412+/-1.990 χ^2/NDF: 93.3/107

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 16.861+/-0.003 χ^2/NDF: 103020.6/28

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

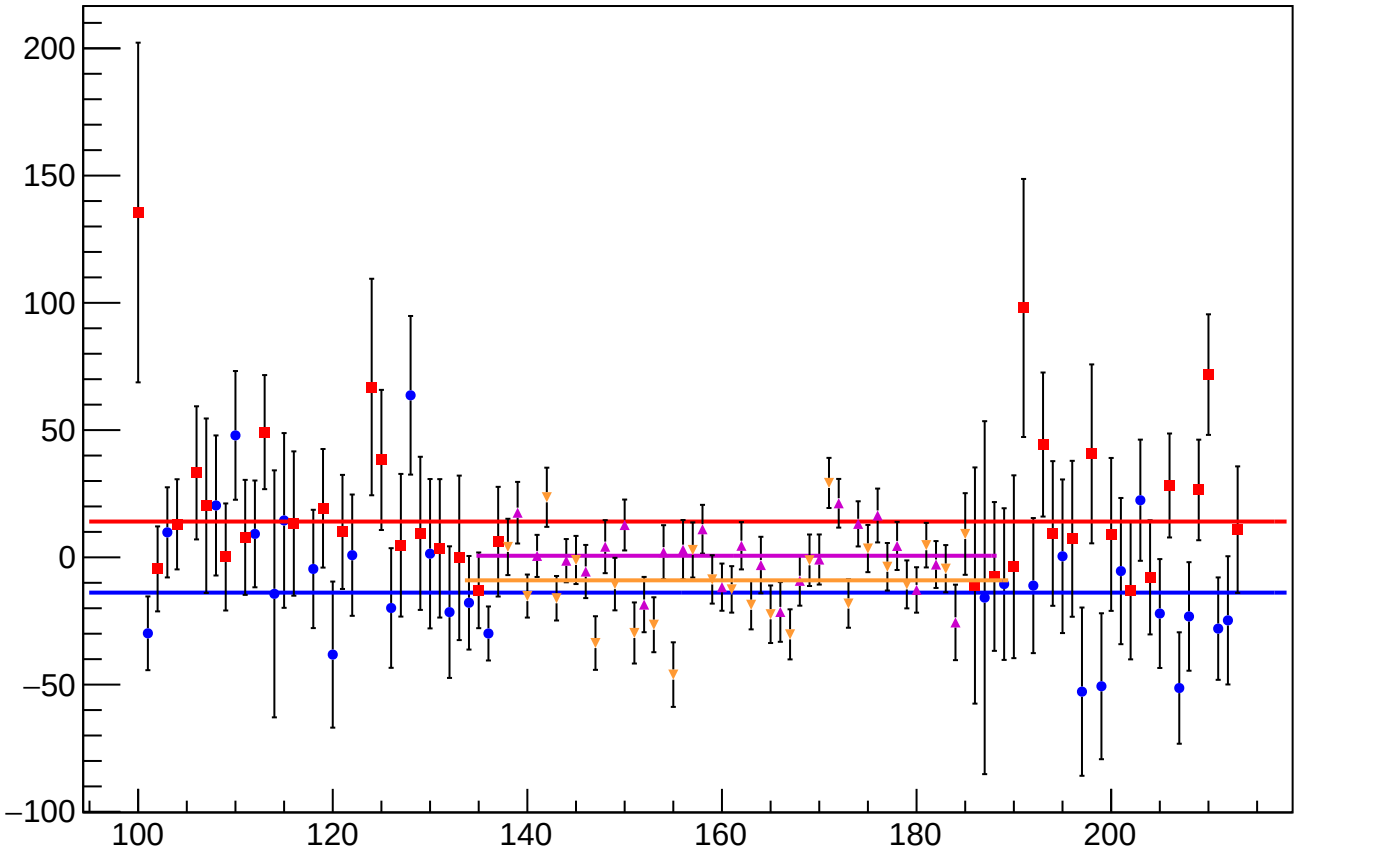
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

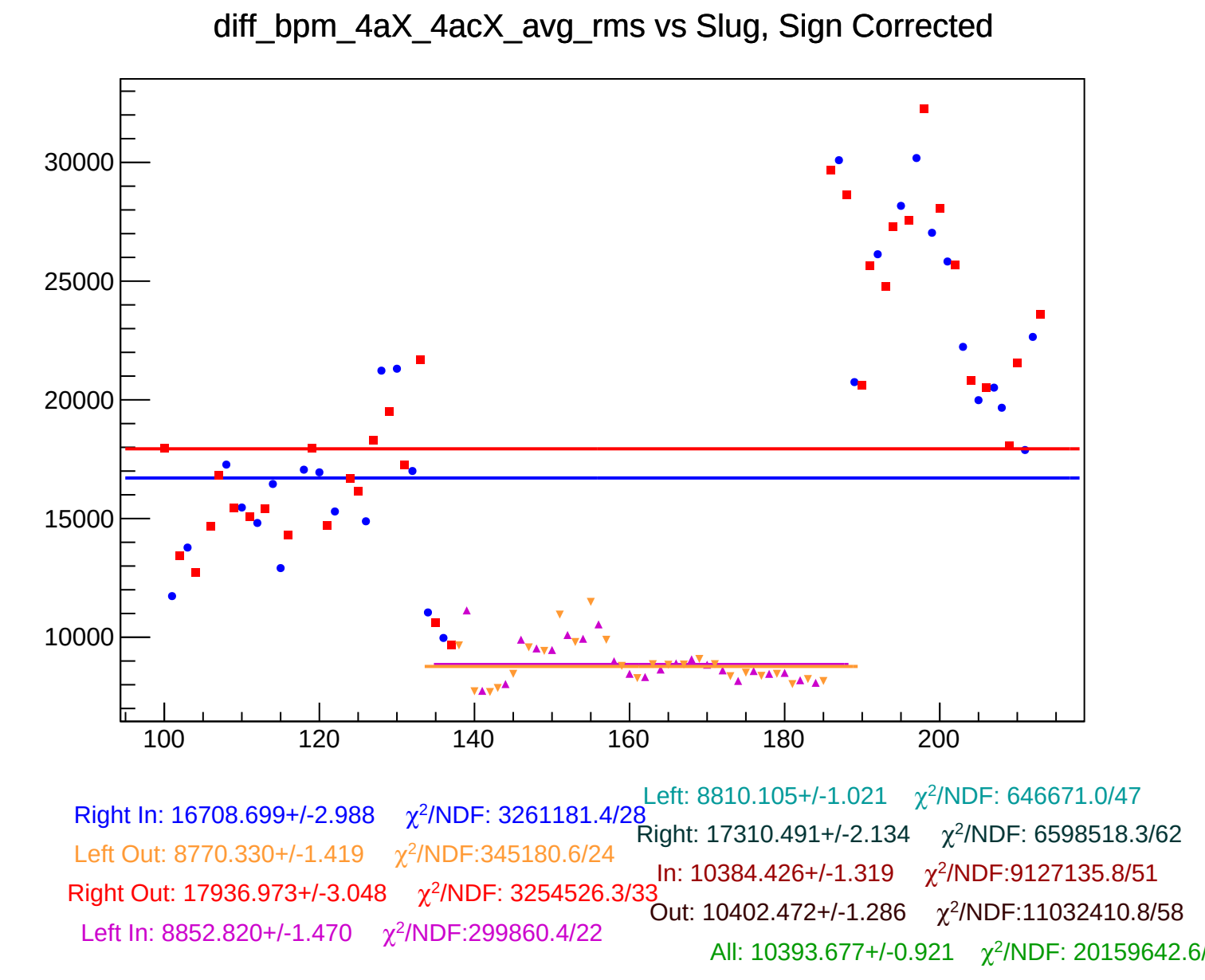
Right: 16.894+/-0.002 χ^2/NDF: 224173.7/60

In: 16.931+/-0.002 χ^2/NDF:208211.4/51

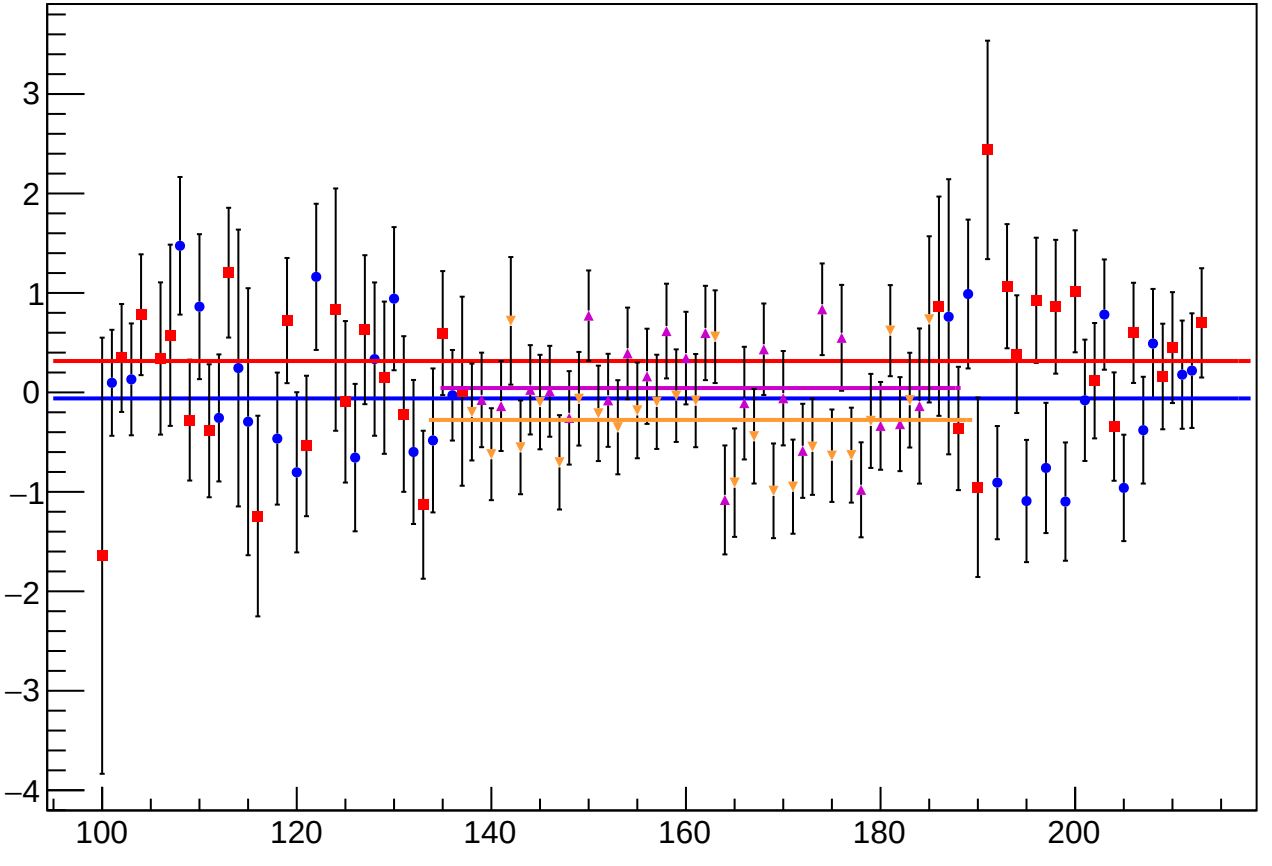
Out: 16.996+/-0.002 χ^2/NDF:218604.6/55

All: 16.964+/-0.001 χ^2/NDF: 427352.5/107


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -13.859+/-4.225 χ²/NDF: 32.3/28
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 14.069+/-4.311 χ²/NDF: 28.8/33
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: -0.175+/-3.018 χ²/NDF: 82.5/62
In: -2.197+/-1.866 χ²/NDF:71.2/51
Out: -4.915+/-1.819 χ²/NDF:114.4/58
All: -3.590+/-1.302 χ²/NDF: 186.7/110


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 16708.699+/-2.988 χ²/NDF: 3261181.4/28
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 17936.973+/-3.048 χ²/NDF: 3254526.3/33
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 17310.491+/-2.134 χ²/NDF: 6598518.3/62
In: 10384.426+/-1.319 χ²/NDF:9127135.8/51
Out: 10402.472+/-1.286 χ²/NDF:11032410.8/58
All: 10393.677+/-0.921 χ²/NDF: 20159642.6/

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



Right In: -0.061+/-0.120 χ^2/NDF: 33.1/28

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

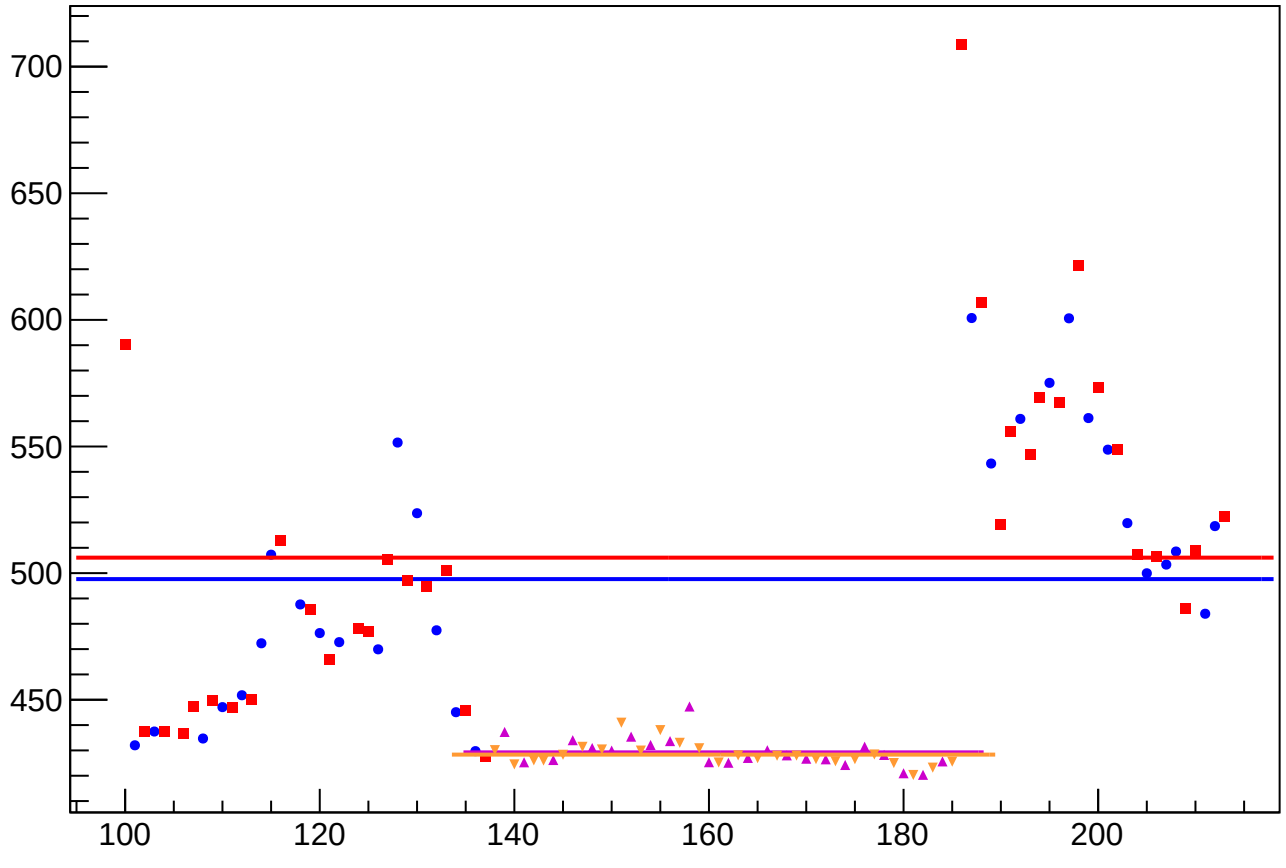
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.132+/-0.084 χ^2/NDF: 67.1/62

In: 0.001+/-0.077 χ^2/NDF:57.4/51

Out: -0.034+/-0.075 χ^2/NDF:65.1/58

All: -0.017+/-0.054 χ^2/NDF: 122.6/110



Right In: 497.643+/-0.085 χ^2/NDF: 336041.4/28

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

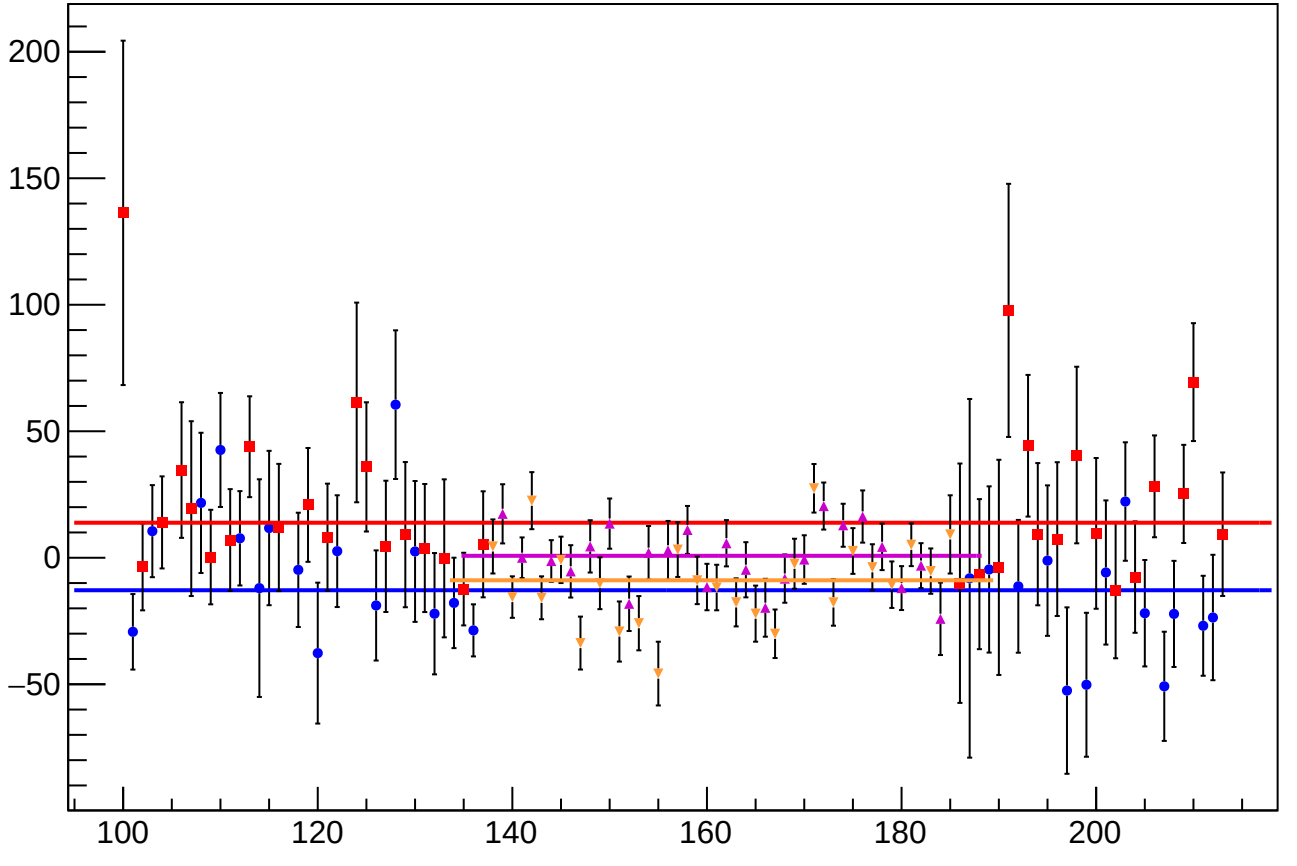
Right: 501.991+/-0.059 χ^2/NDF: 792898.5/62

In: 457.412+/-0.054 χ^2/NDF:726655.4/51

Out: 460.255+/-0.053 χ^2/NDF:979984.4/58

All: 458.874+/-0.038 χ^2/NDF: 1708045.7/110

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -12.841+/-4.109 χ^2/NDF: 32.8/28

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

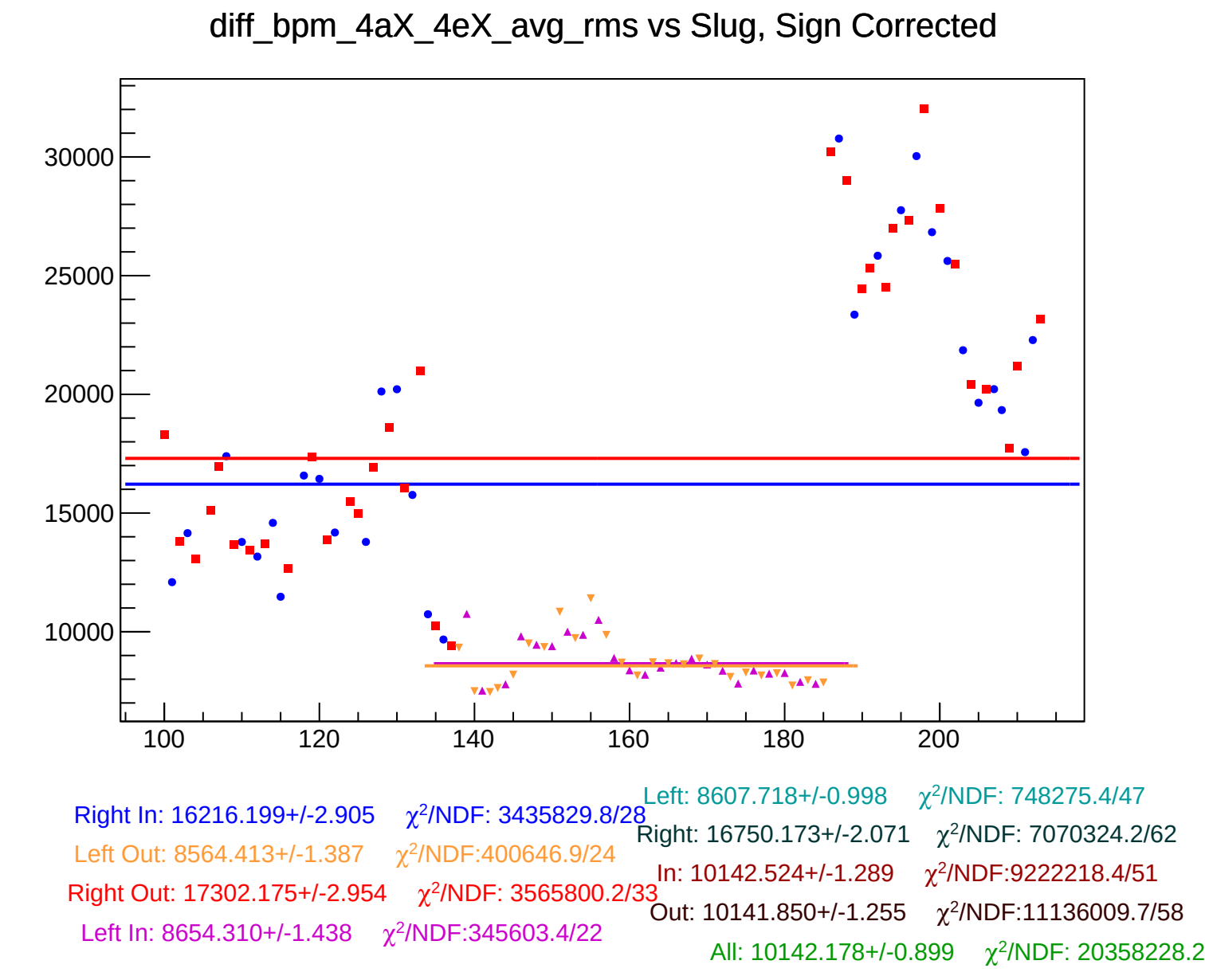
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

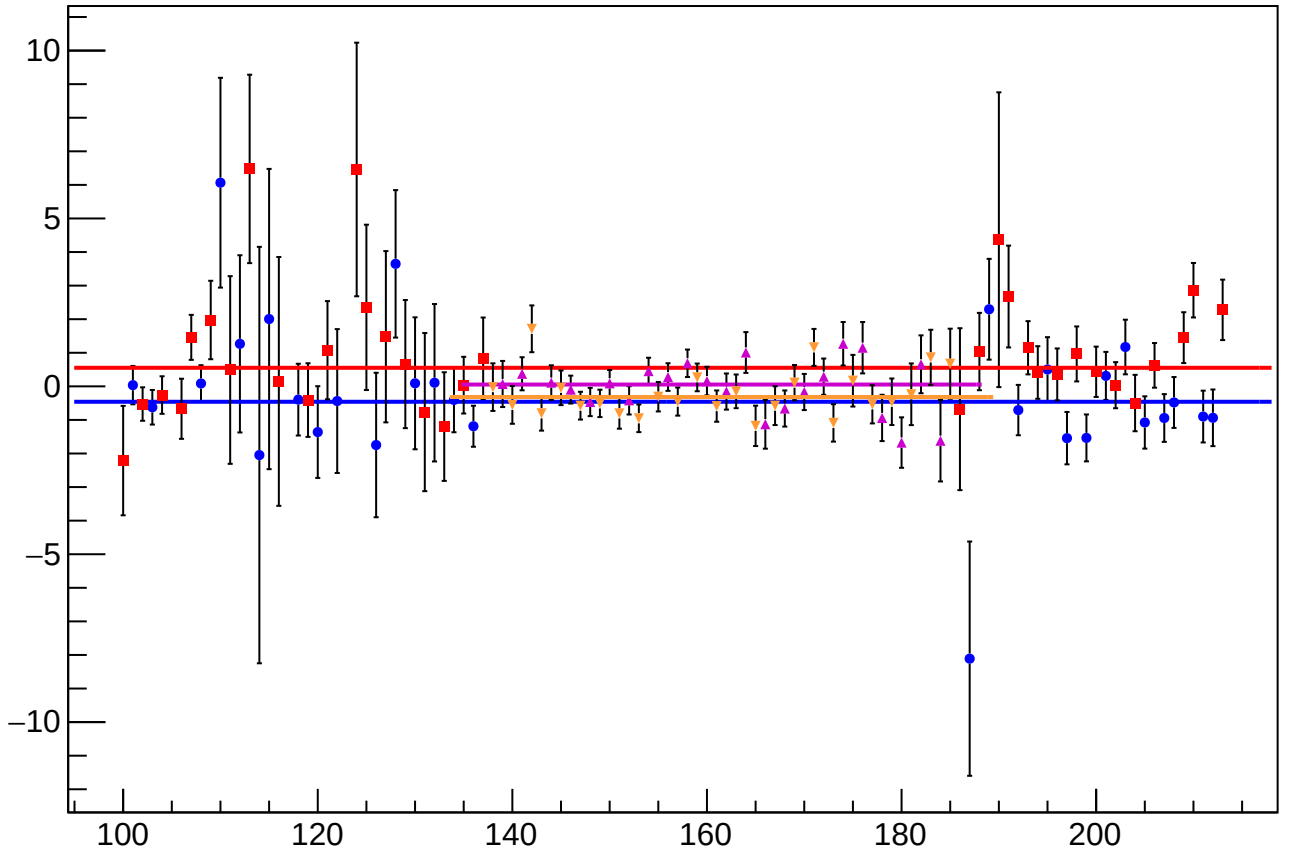
Right: 0.281+/-2.929 χ^2/NDF: 81.9/62

In: -1.907+/-1.823 χ^2/NDF:70.9/51

Out: -4.797+/-1.775 χ^2/NDF:114.1/58

All: -3.390+/-1.272 χ^2/NDF: 186.4/110


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 16216.199+/-2.905 χ²/NDF: 3435829.8/28
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: 16750.173+/-2.071 χ²/NDF: 7070324.2/62
In: 10142.524+/-1.289 χ²/NDF:9222218.4/51
Out: 10141.850+/-1.255 χ²/NDF:11136009.7/58
All: 10142.178+/-0.899 χ²/NDF: 20358228.2



Right In: -0.459+/-0.167 χ^2/NDF: 33.4/28

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

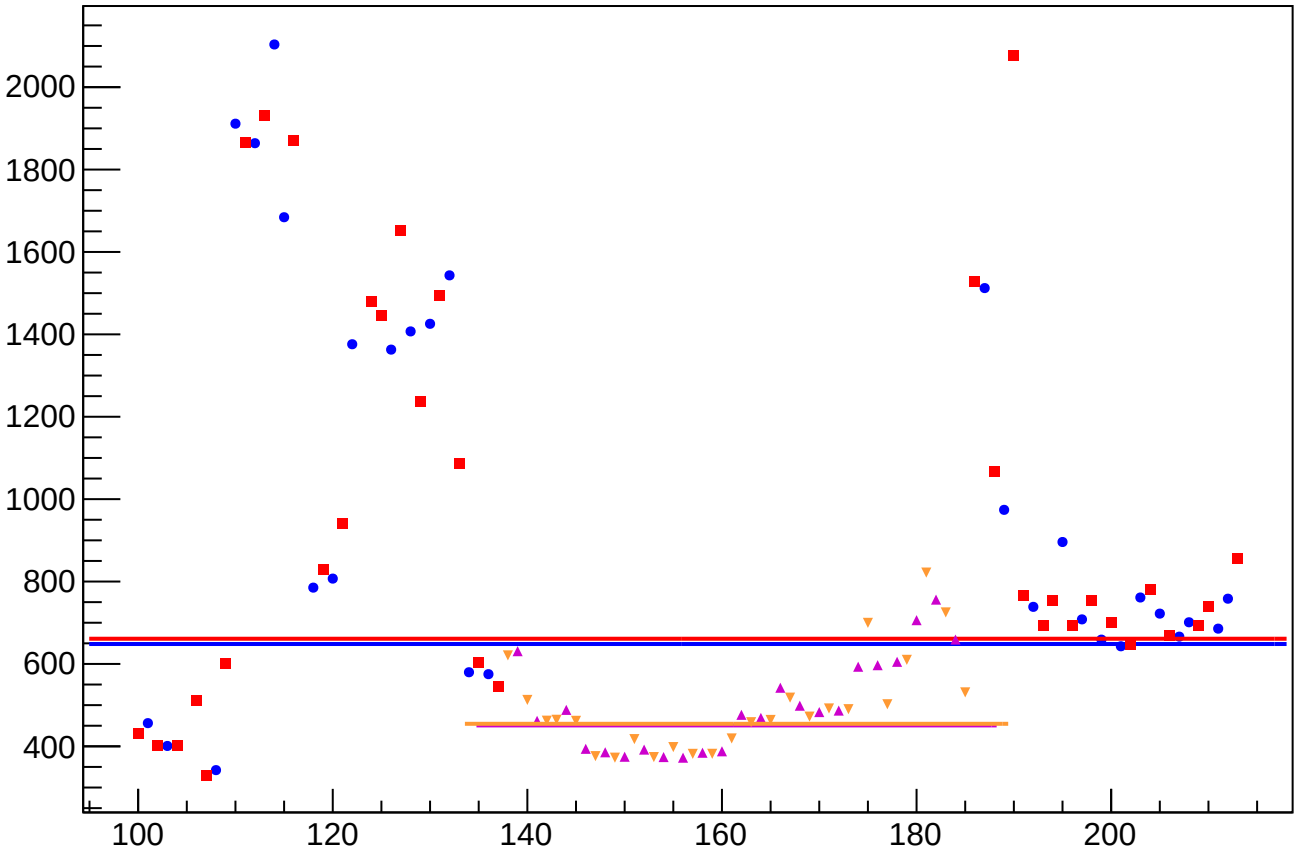
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: 0.053+/-0.118 χ^2/NDF: 96.6/62

In: -0.097+/-0.091 χ^2/NDF:69.8/51

Out: -0.064+/-0.089 χ^2/NDF:96.6/58

All: -0.080+/-0.064 χ^2/NDF: 166.5/110



Right In: 648.355+/-0.118 χ^2/NDF: 4177395.8/28

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

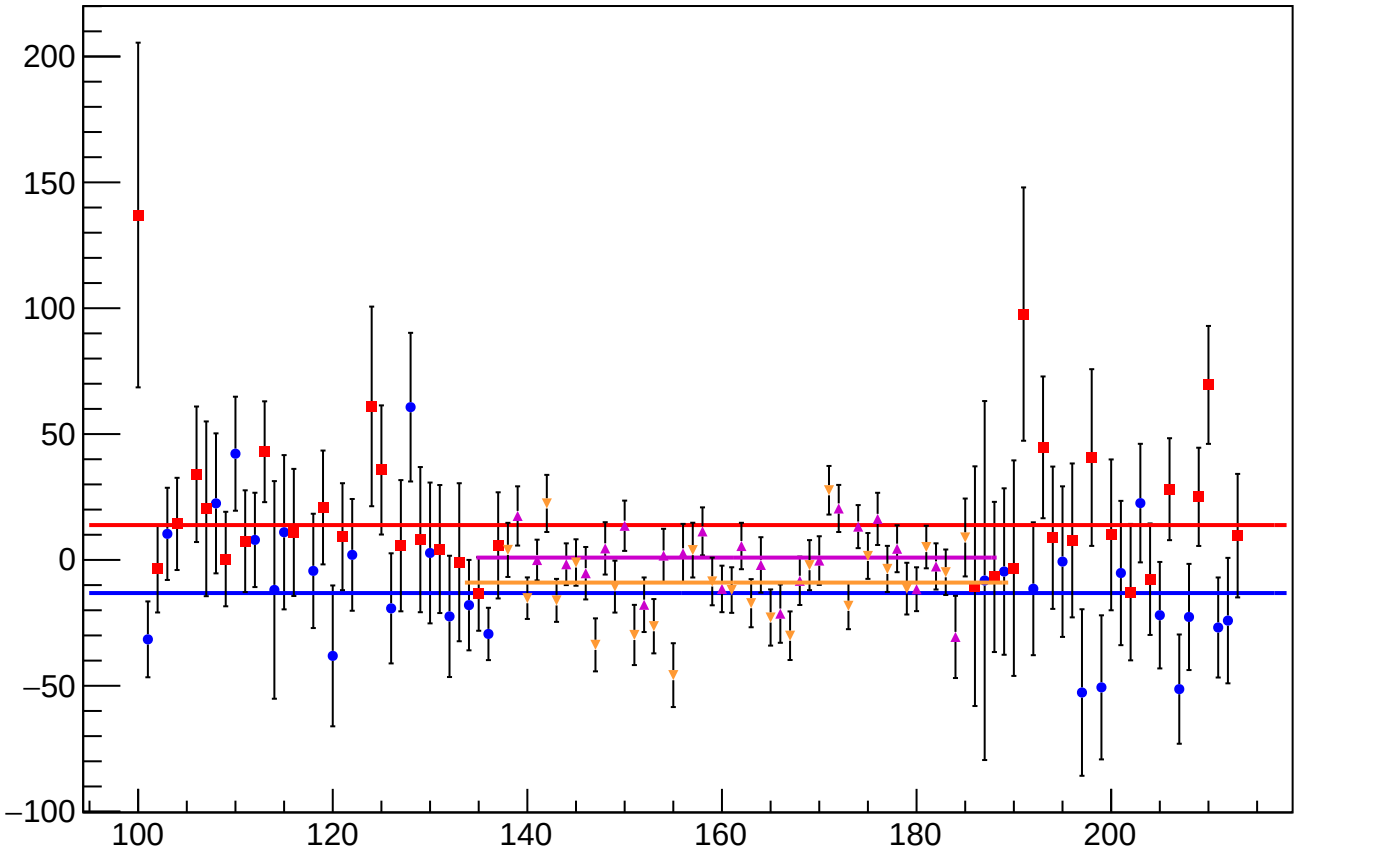
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

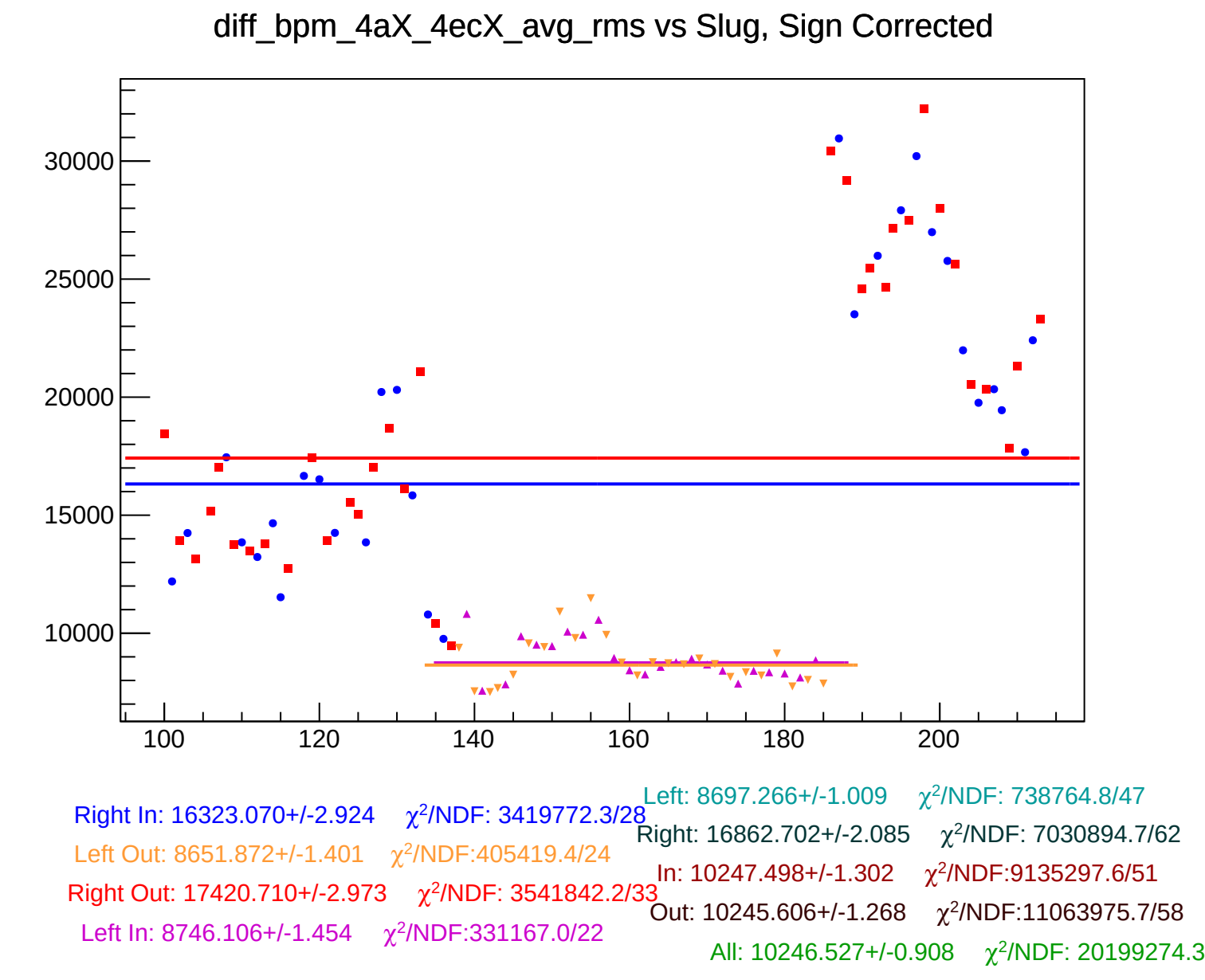
Right: 654.840+/-0.083 χ^2/NDF: 9009156.1/62

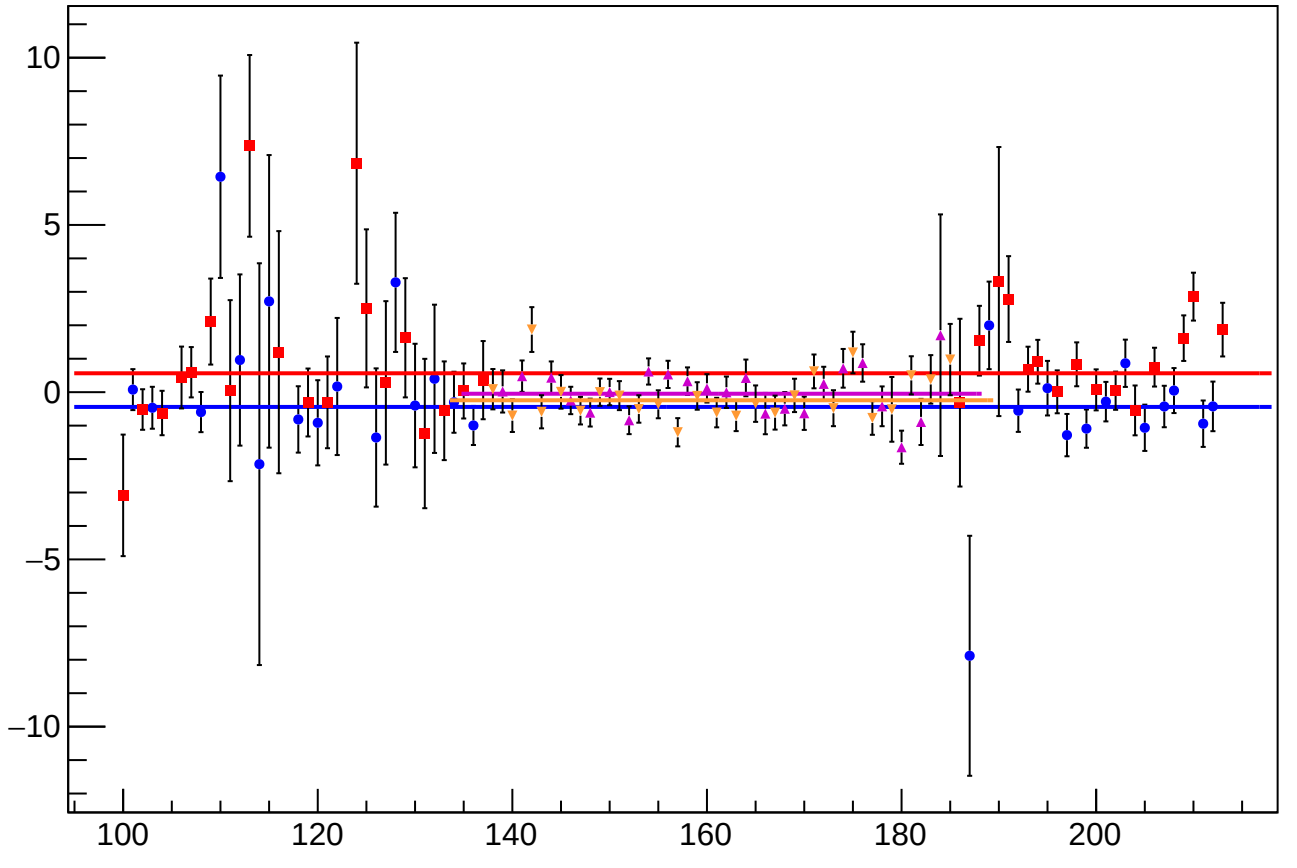
In: 509.053+/-0.064 χ^2/NDF:7618629.4/51

Out: 514.878+/-0.063 χ^2/NDF:8490007.0/58

All: 512.017+/-0.045 χ^2/NDF: 16112824.7/1


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: -13.160+/-4.135 χ²/NDF: 33.3/28
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: 0.118+/-2.948 χ²/NDF: 82.3/62
In: -1.866+/-1.841 χ²/NDF:72.4/51
Out: -4.848+/-1.793 χ²/NDF:113.4/58
All: -3.396+/-1.284 χ²/NDF: 187.2/110


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 16323.070+/-2.924 χ²/NDF: 3419772.3/28
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: 16862.702+/-2.085 χ²/NDF: 7030894.7/62
In: 10247.498+/-1.302 χ²/NDF:9135297.6/51
Out: 10245.606+/-1.268 χ²/NDF:11063975.7/58
All: 10246.527+/-0.908 χ²/NDF: 20199274.3



Right In: -0.441+/-0.156 χ^2/NDF: 28.4/28

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

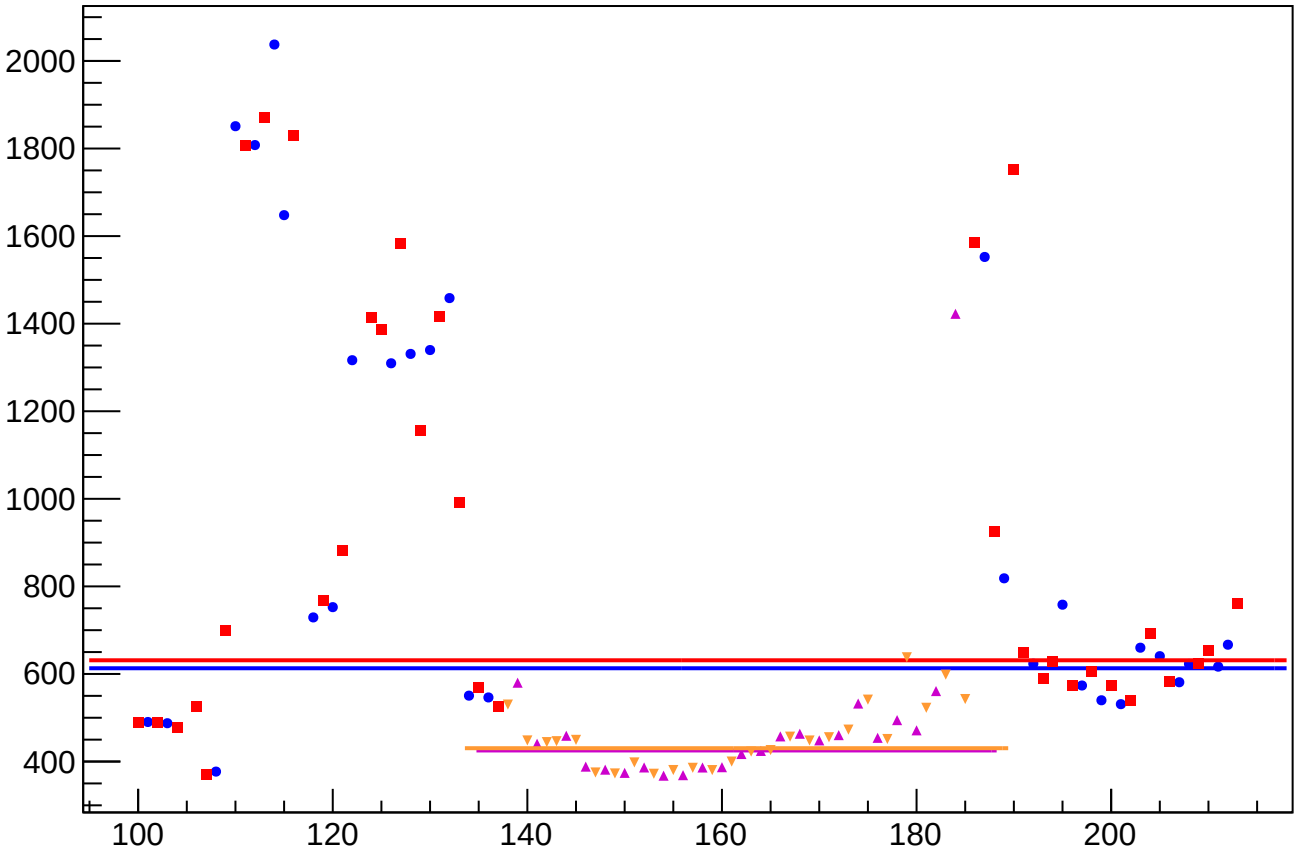
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

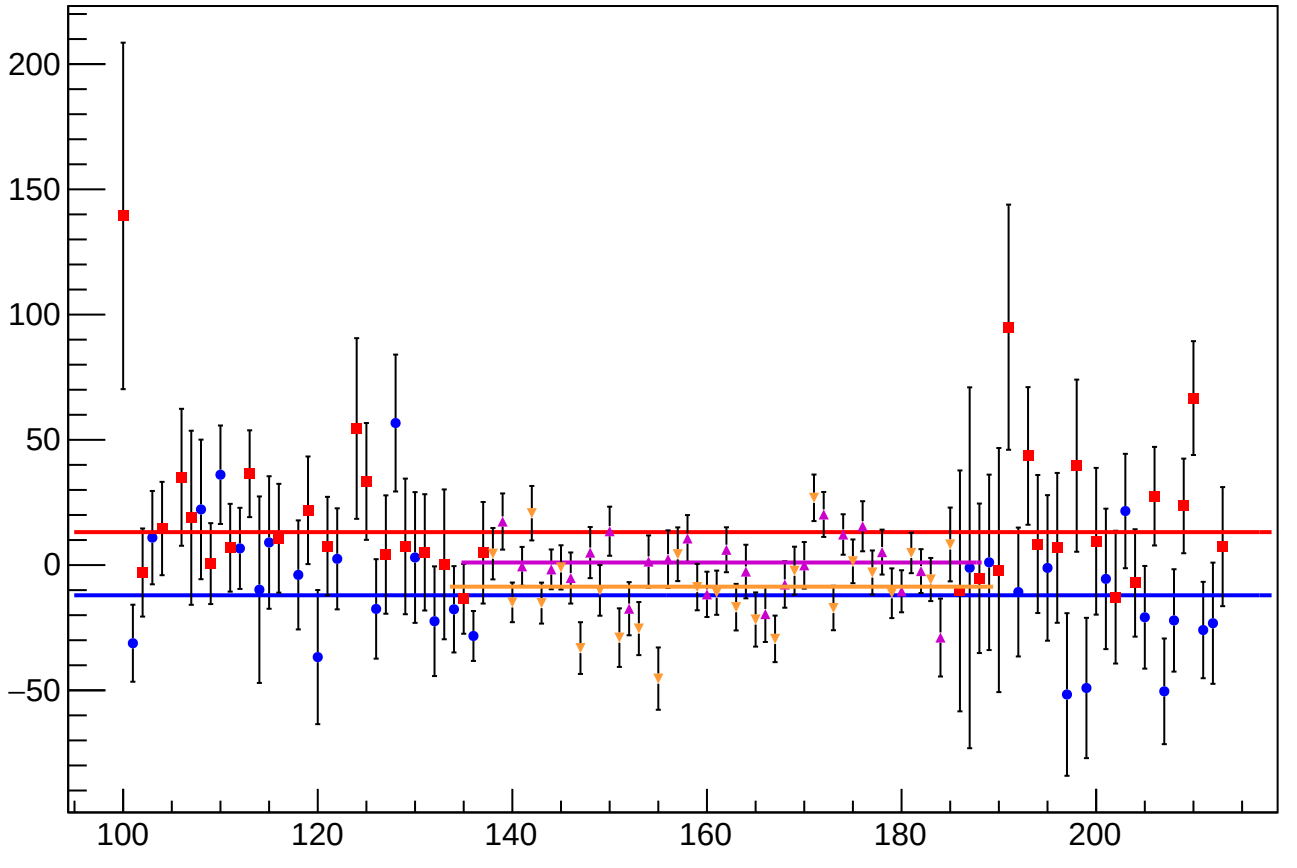
Right: 0.064+/-0.110 χ^2/NDF: 99.2/62

In: -0.164+/-0.085 χ^2/NDF:67.9/51

Out: -0.005+/-0.084 χ^2/NDF:103.3/58

All: -0.084+/-0.060 χ^2/NDF: 173.0/110


diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
Right In: 613.029+/-0.110 χ²/NDF: 3210932.2/28
Left Out: 430.437+/-0.071 χ²/NDF:648114.1/24
Right Out: 631.251+/-0.110 χ²/NDF: 3573117.4/33
Left In: 425.312+/-0.072 χ²/NDF:716953.2/22
Left: 427.910+/-0.050 χ²/NDF: 1367648.1/47
Right: 622.176+/-0.078 χ²/NDF: 6797773.7/62
In: 481.287+/-0.060 χ²/NDF:5964326.3/51
Out: 489.506+/-0.060 χ²/NDF:6583703.6/58
All: 485.441+/-0.042 χ²/NDF: 12557459.5/11



Right In: -12.058+/-3.943 χ^2/NDF: 34.0/28

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

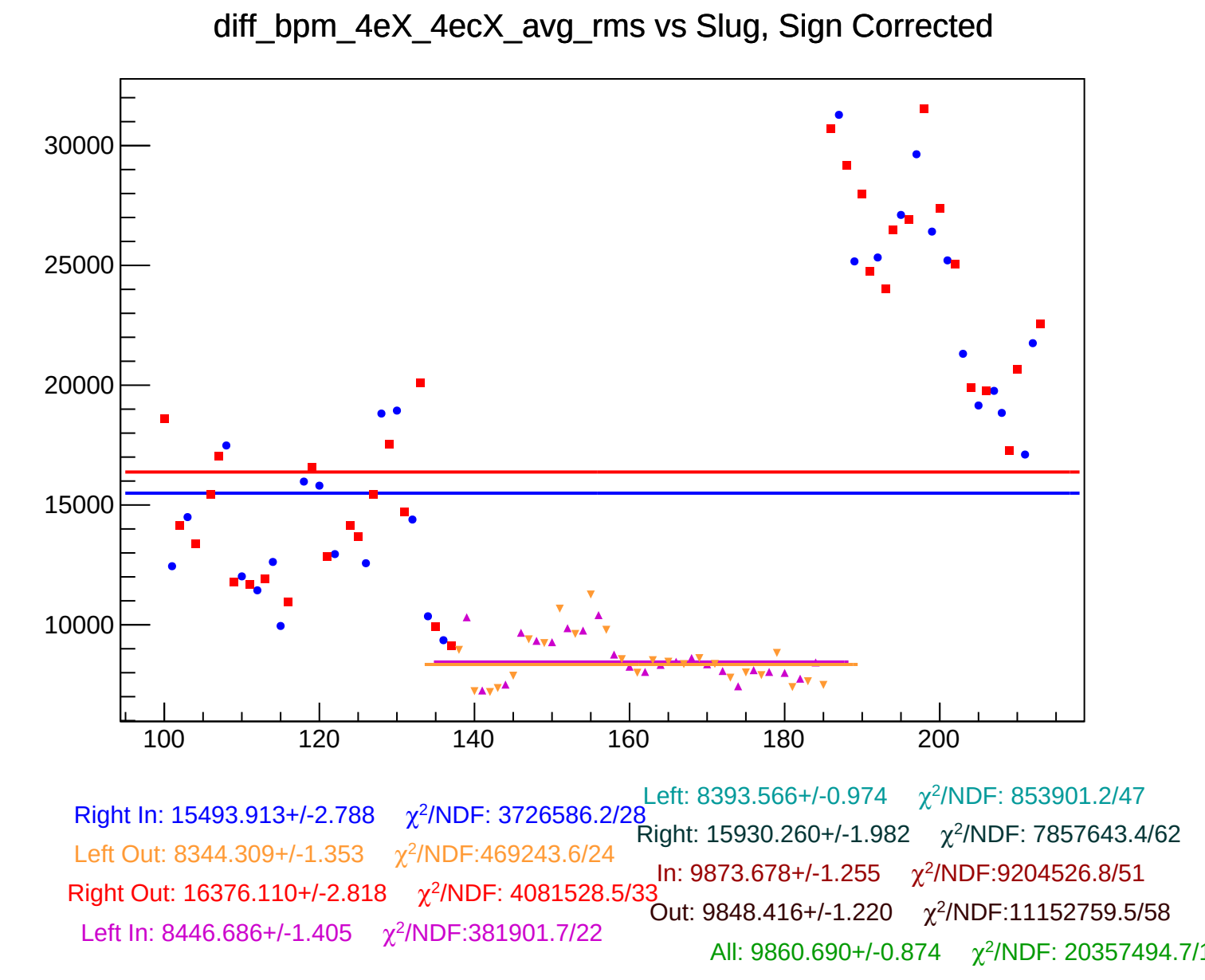
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

Right: 0.413+/-2.803 χ^2/NDF: 82.0/62

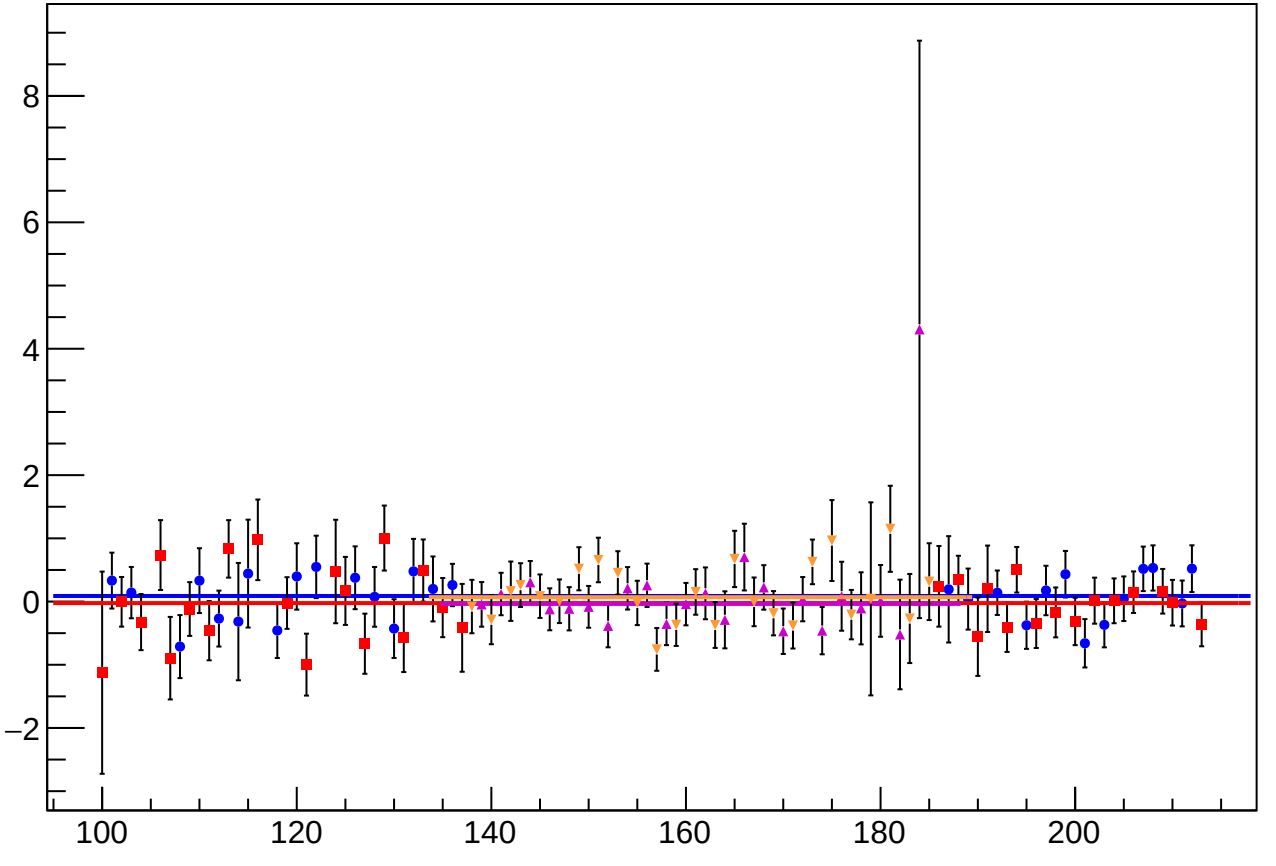
In: -1.623+/-1.774 χ^2/NDF:72.6/51

Out: -4.544+/-1.725 χ^2/NDF:113.6/58

All: -3.125+/-1.237 χ^2/NDF: 187.6/110


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15493.913+/-2.788 χ²/NDF: 3726586.2/28
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: 15930.260+/-1.982 χ²/NDF: 7857643.4/62
In: 9873.678+/-1.255 χ²/NDF:9204526.8/51
Out: 9848.416+/-1.220 χ²/NDF:11152759.5/58
All: 9860.690+/-0.874 χ²/NDF: 20357494.7/1

diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected



Right In: 0.088+/-0.080 χ^2/NDF: 21.9/28

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

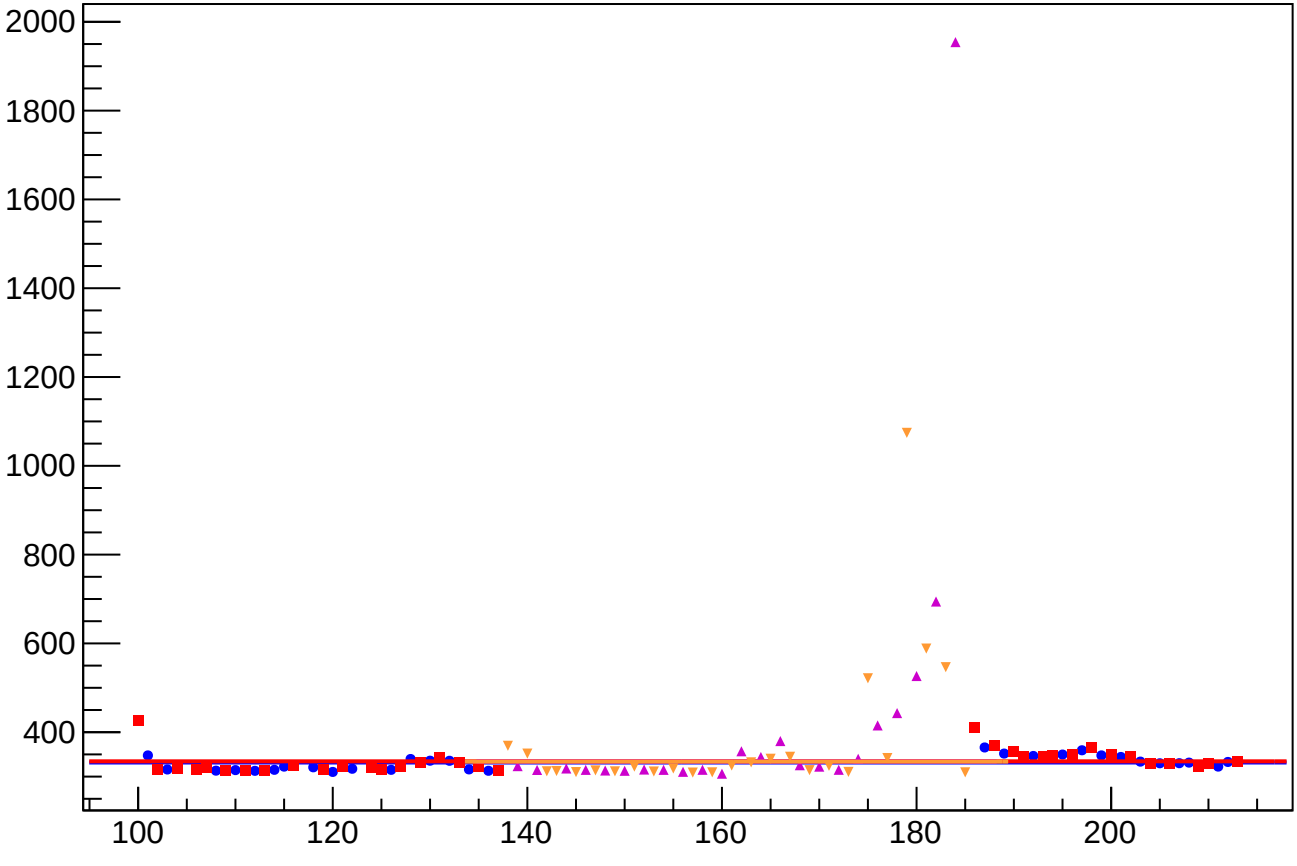
Right: 0.030+/-0.055 χ^2/NDF: 55.2/62

In: 0.027+/-0.057 χ^2/NDF:34.7/51

Out: 0.021+/-0.055 χ^2/NDF:61.2/58

All: 0.024+/-0.040 χ^2/NDF: 95.9/110

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 331.733+/-0.056 χ^2/NDF: 64220.8/28

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

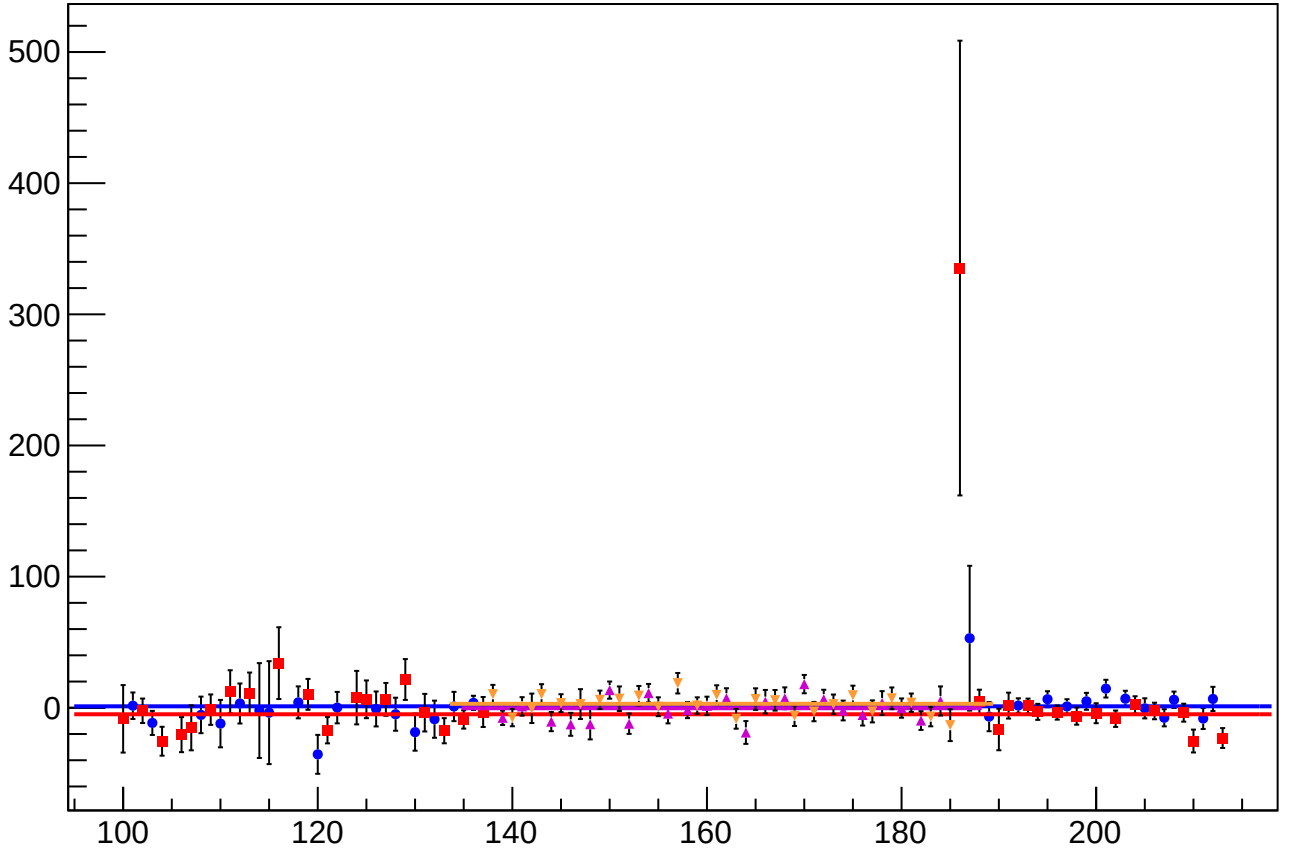
Right: 333.130+/-0.039 χ^2/NDF: 184211.6/62

In: 332.838+/-0.040 χ^2/NDF:1115987.7/51

Out: 334.115+/-0.039 χ^2/NDF:1336129.7/58

All: 333.496+/-0.028 χ^2/NDF: 2452638.5/110

diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected



Right In: 1.119+/-1.611 χ^2/NDF: 23.4/28

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

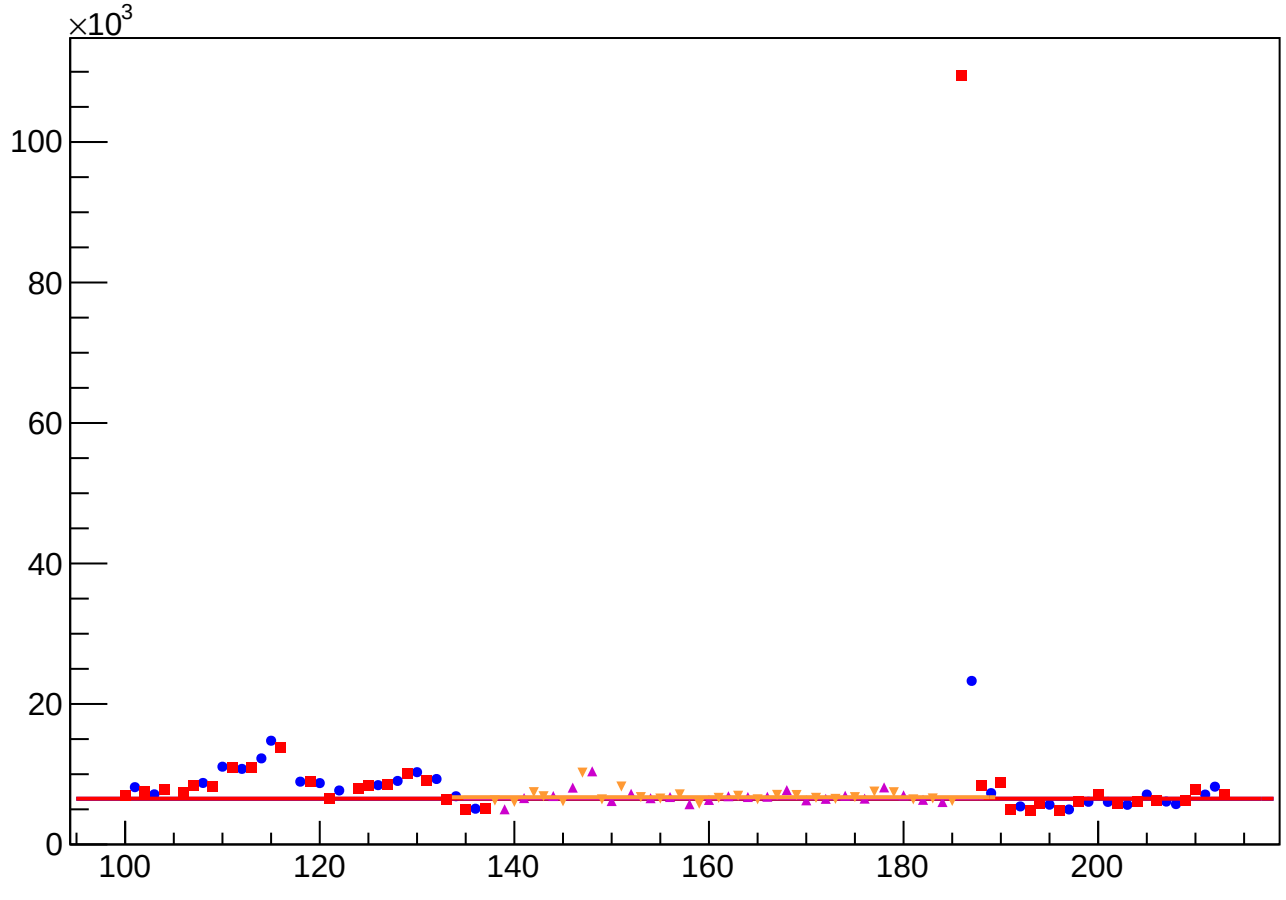
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -2.011+/-1.121 χ^2/NDF: 70.3/62

In: 0.364+/-1.124 χ^2/NDF:57.6/51

Out: -0.913+/-1.097 χ^2/NDF:73.2/58

All: -0.290+/-0.785 χ^2/NDF: 131.4/110



Right In: 6497.904+/-1.139 χ^2/NDF: 1818385.9/28

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

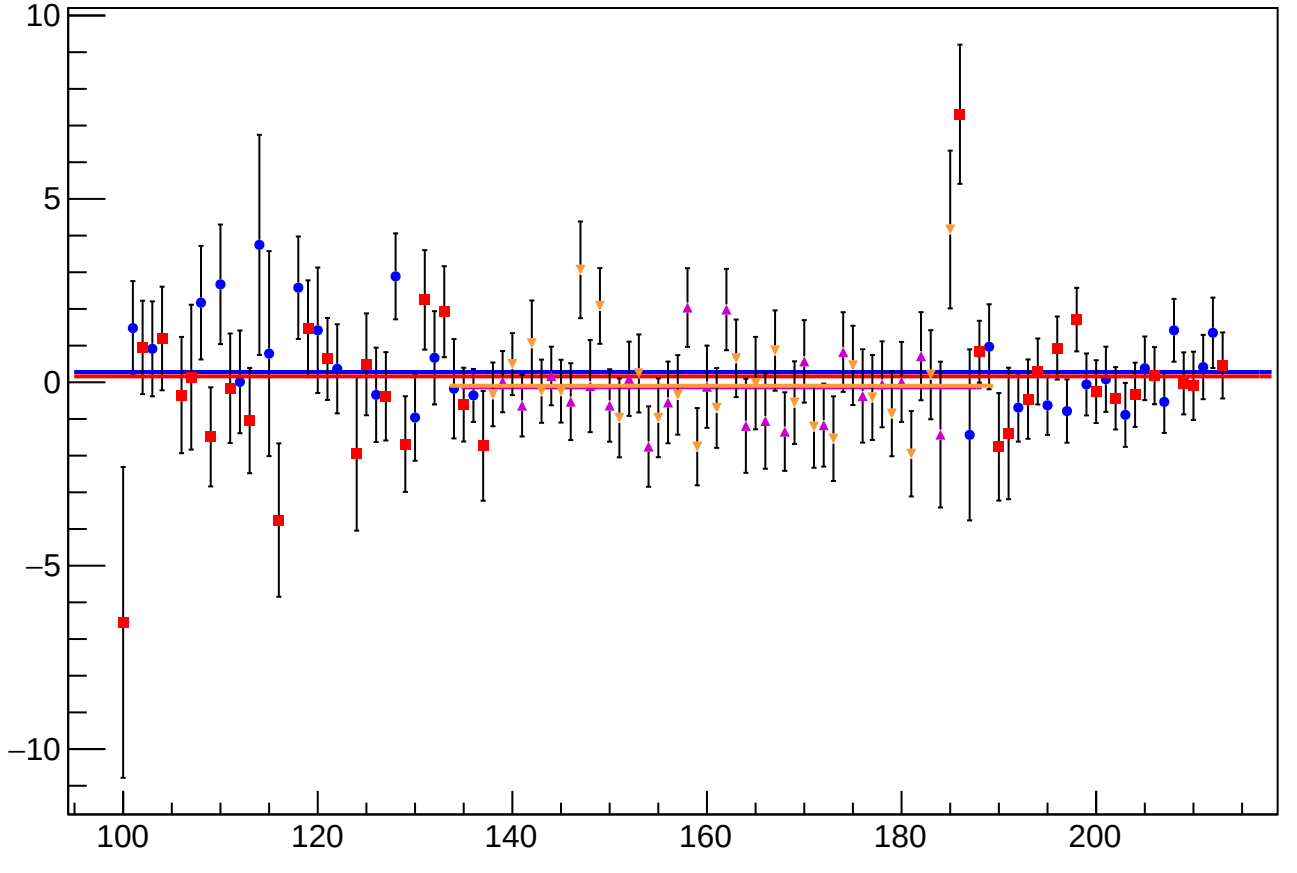
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6508.715+/-0.793 χ^2/NDF: 4259644.1/62

In: 6567.139+/-0.795 χ^2/NDF:2455066.4/51

Out: 6622.174+/-0.776 χ^2/NDF:2861718.5/58

All: 6595.328+/-0.555 χ^2/NDF: 5319241.3/11



Right In: 0.280+/-0.201 χ^2/NDF: 27.3/28

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

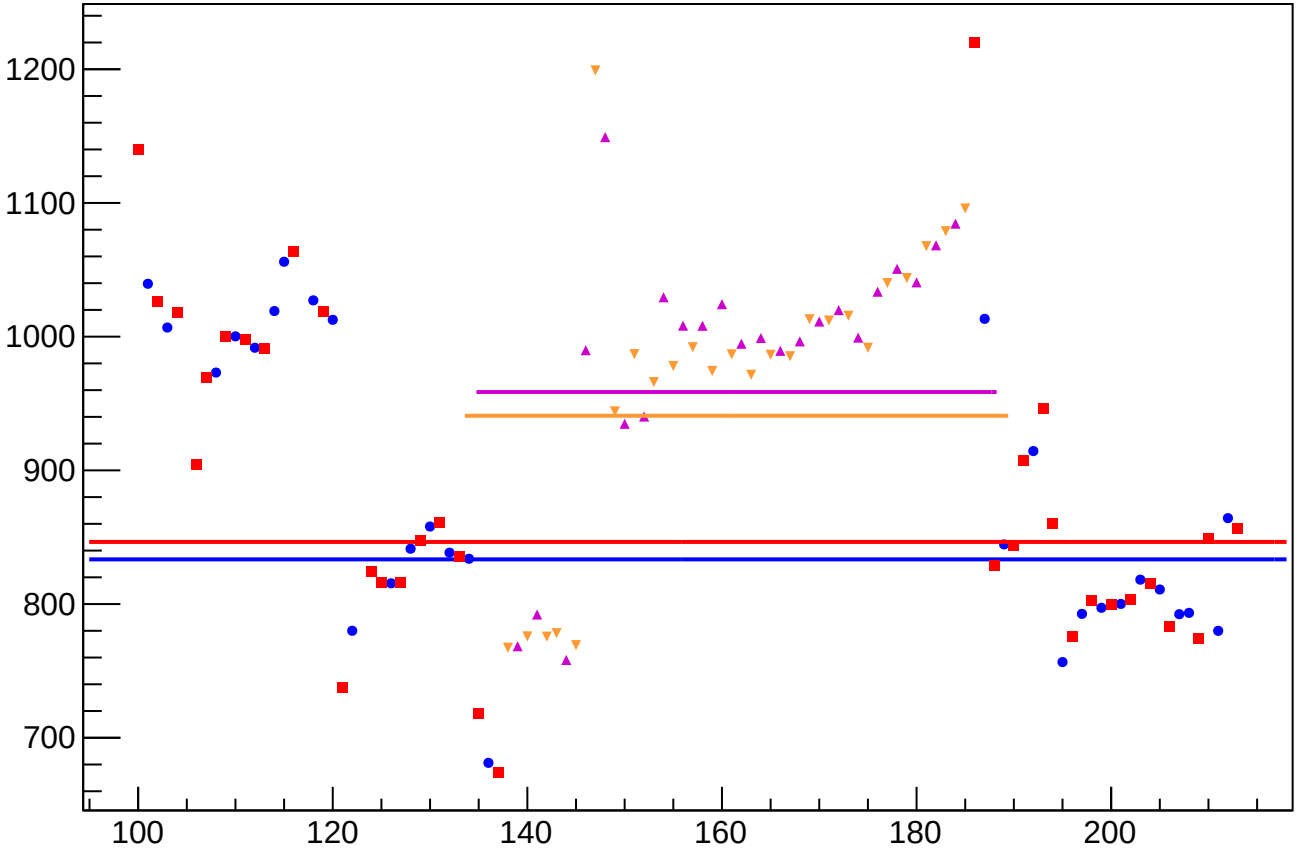
Right: 0.219+/-0.140 χ^2/NDF: 70.7/62

In: 0.095+/-0.150 χ^2/NDF:45.7/51

Out: 0.046+/-0.145 χ^2/NDF:71.3/58

All: 0.070+/-0.104 χ^2/NDF: 117.1/110

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 833.426+/-0.142 χ^2/NDF: 402136.9/28

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

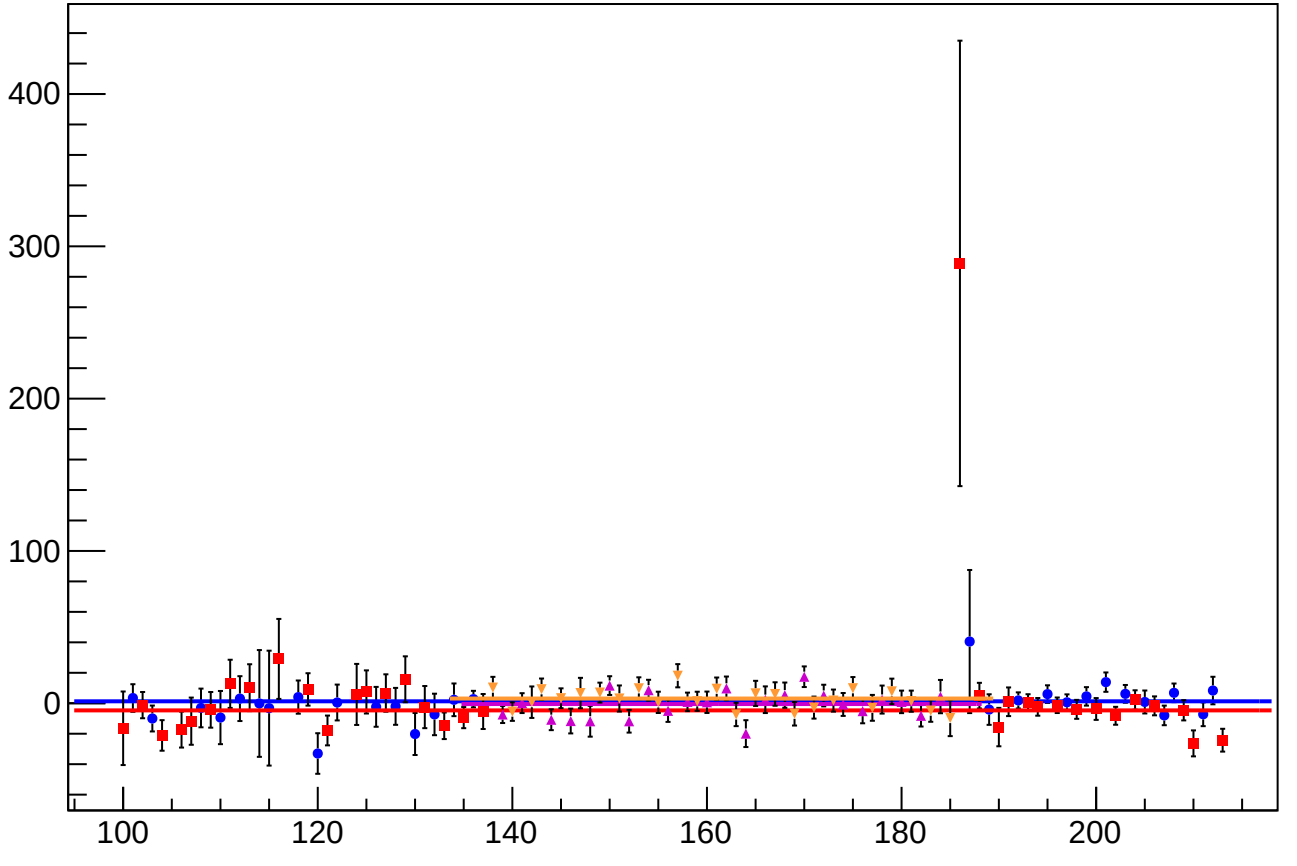
Right: 840.135+/-0.099 χ^2/NDF: 857251.2/62

In: 888.772+/-0.106 χ^2/NDF:1203057.3/51

Out: 888.994+/-0.102 χ^2/NDF:1230509.8/58

All: 888.887+/-0.074 χ^2/NDF: 2433569.3/110

diff_bpm_4aY_4eY_avg_mean vs Slug, Sign Corrected



Right In: 1.280+/-1.543 χ^2/NDF: 23.4/28

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

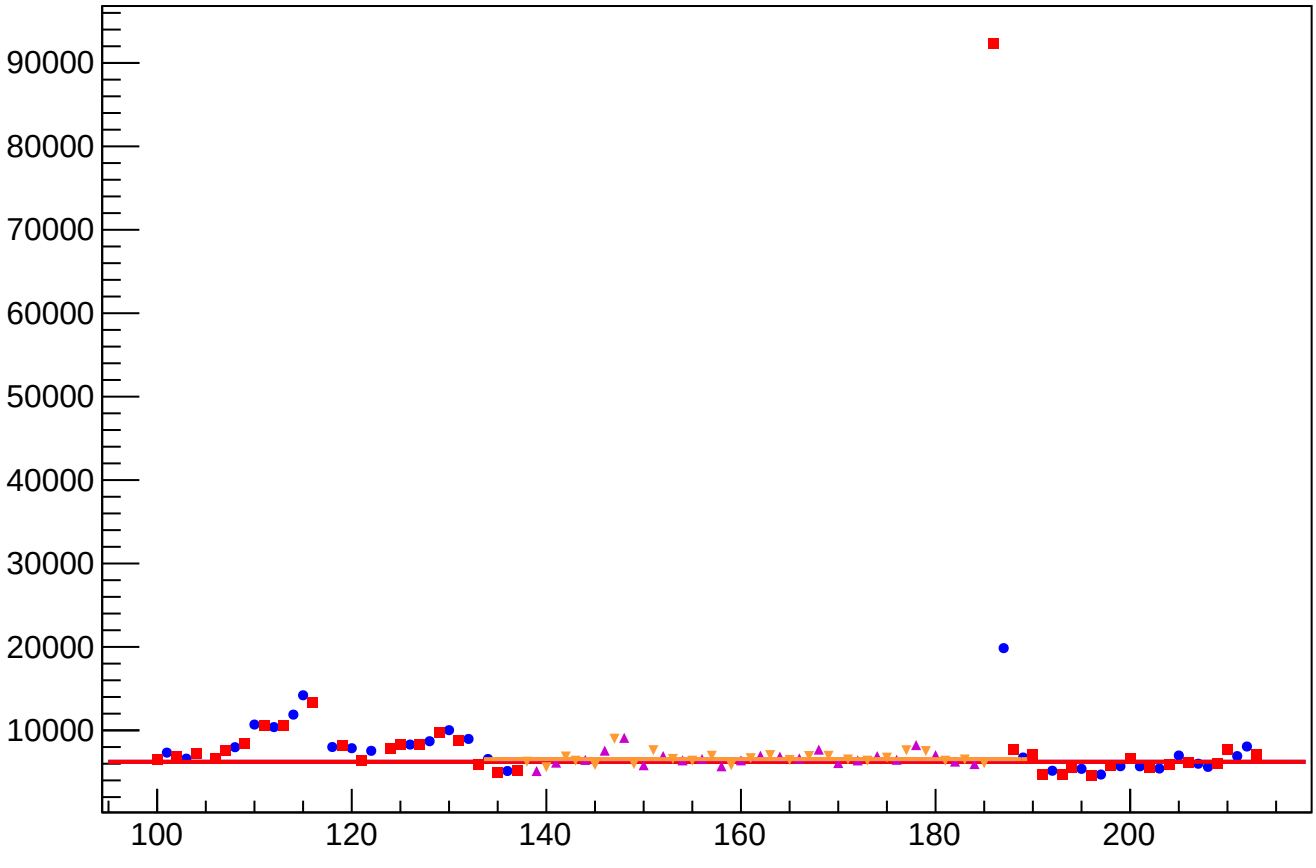
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -1.810+/-1.071 χ^2/NDF: 71.5/62

In: 0.376+/-1.088 χ^2/NDF:56.1/51

Out: -0.825+/-1.056 χ^2/NDF:72.5/58

All: -0.242+/-0.758 χ^2/NDF: 129.3/110



Right In: 6232.641+/-1.091 χ^2/NDF: 1738358.3/28

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

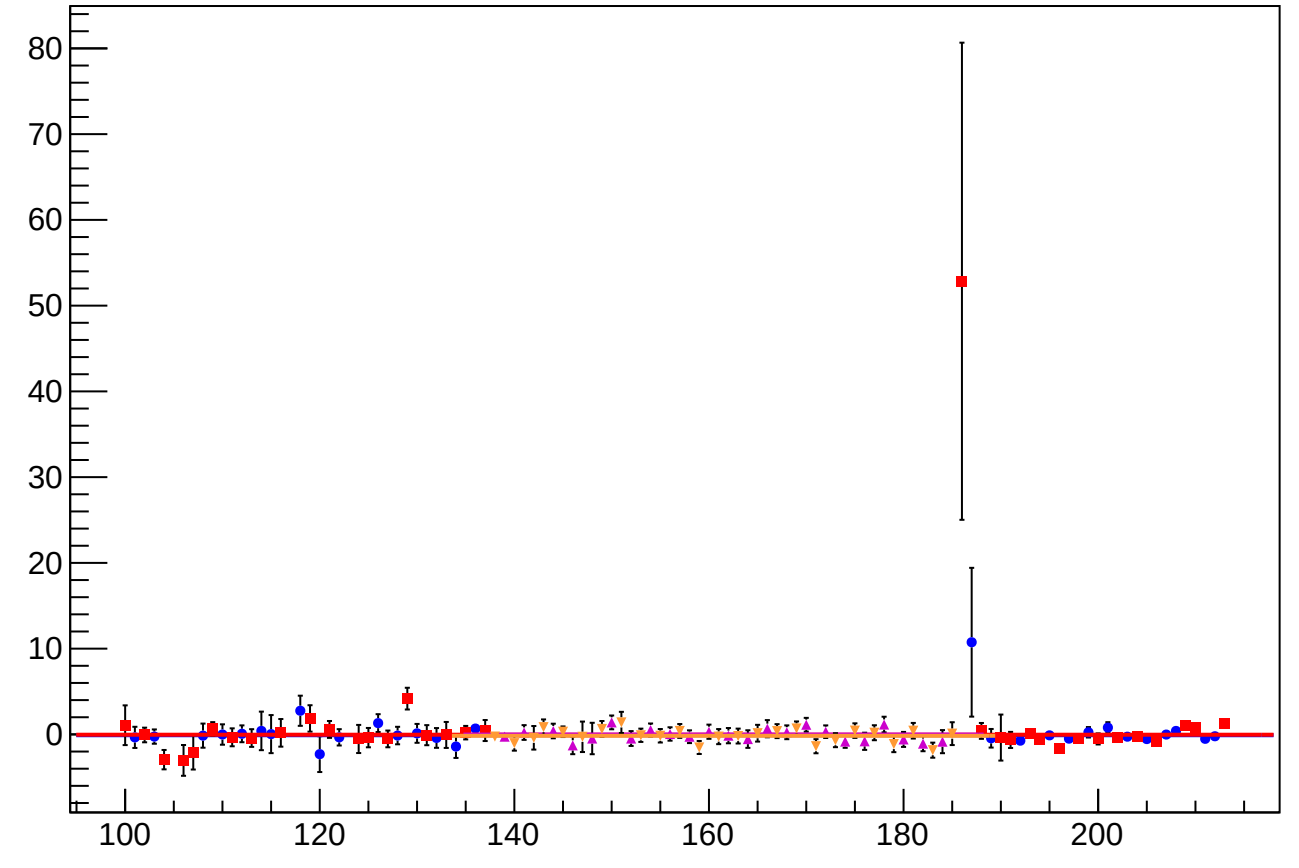
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6229.493+/-0.757 χ^2/NDF: 4128480.9/62

In: 6369.527+/-0.769 χ^2/NDF:2285199.8/51

Out: 6386.334+/-0.747 χ^2/NDF:2802741.9/58

All: 6378.180+/-0.536 χ^2/NDF: 5088187.4/11



Right In: -0.097+/-0.133 χ^2/NDF: 17.8/28

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

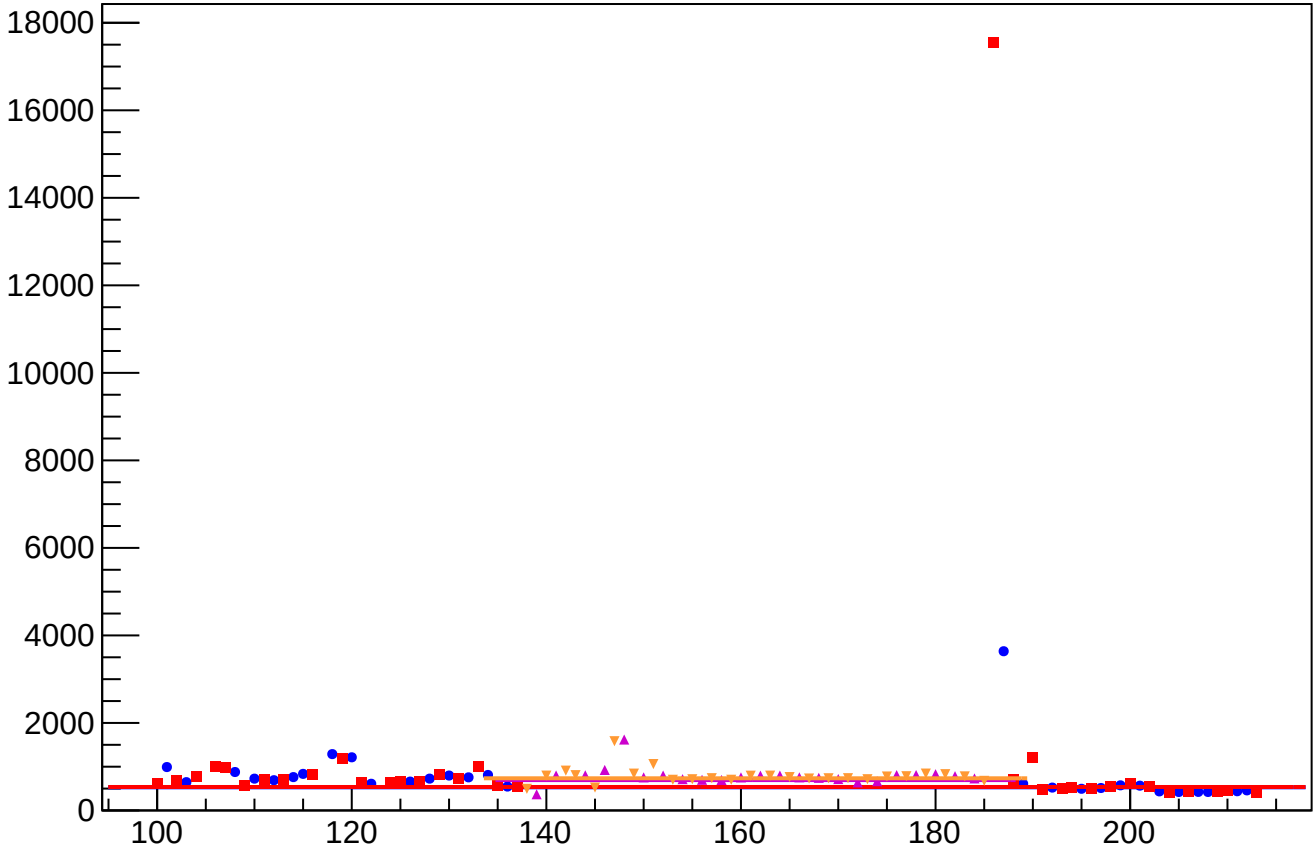
Right: -0.067+/-0.093 χ^2/NDF: 77.9/62

In: -0.067+/-0.104 χ^2/NDF:33.1/51

Out: -0.083+/-0.104 χ^2/NDF:79.3/58

All: -0.075+/-0.074 χ^2/NDF: 112.5/110

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 529.013+/-0.094 χ^2/NDF: 2419460.3/28

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

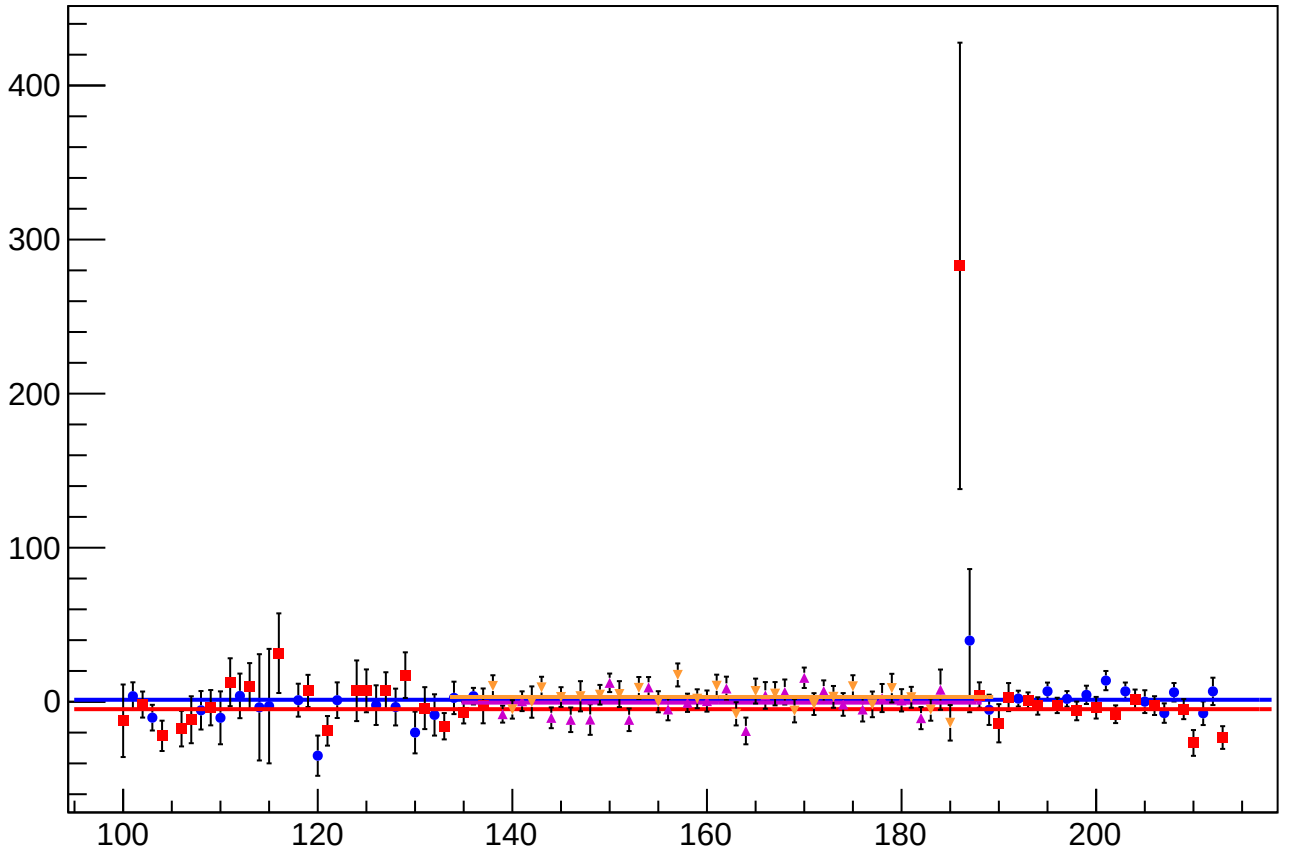
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 532.715+/-0.066 χ^2/NDF: 5312710.3/62

In: 591.991+/-0.074 χ^2/NDF:5824924.5/51

Out: 608.736+/-0.073 χ^2/NDF:5923482.9/58

All: 600.402+/-0.052 χ^2/NDF: 11774245.8/1



Right In: 1.302+/-1.513 χ^2/NDF: 25.5/28

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

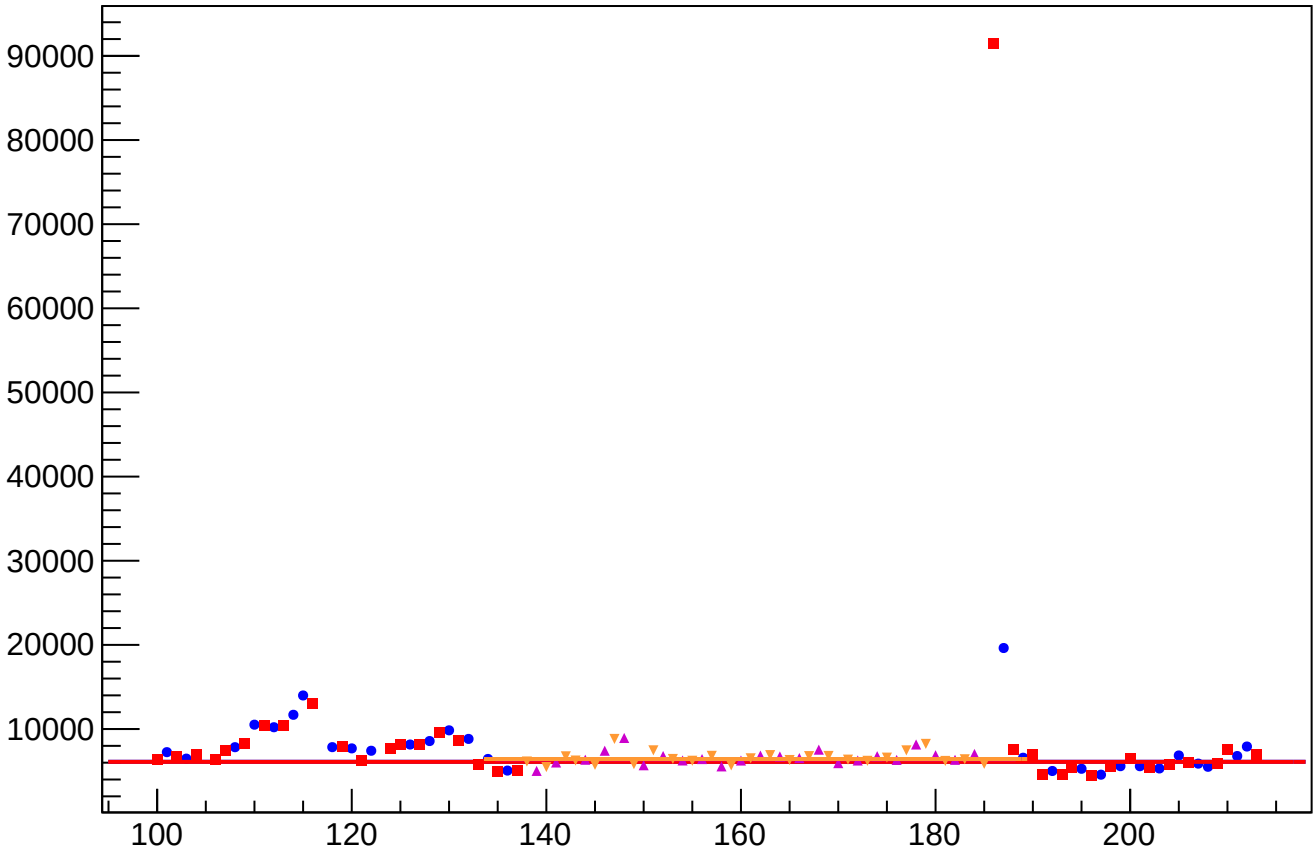
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -1.861+/-1.050 χ^2/NDF: 75.2/62

In: 0.376+/-1.070 χ^2/NDF:59.9/51

Out: -0.893+/-1.037 χ^2/NDF:74.5/58

All: -0.278+/-0.745 χ^2/NDF: 135.0/110



Right In: 6107.162+/-1.070 χ^2/NDF: 1768142.5/28

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

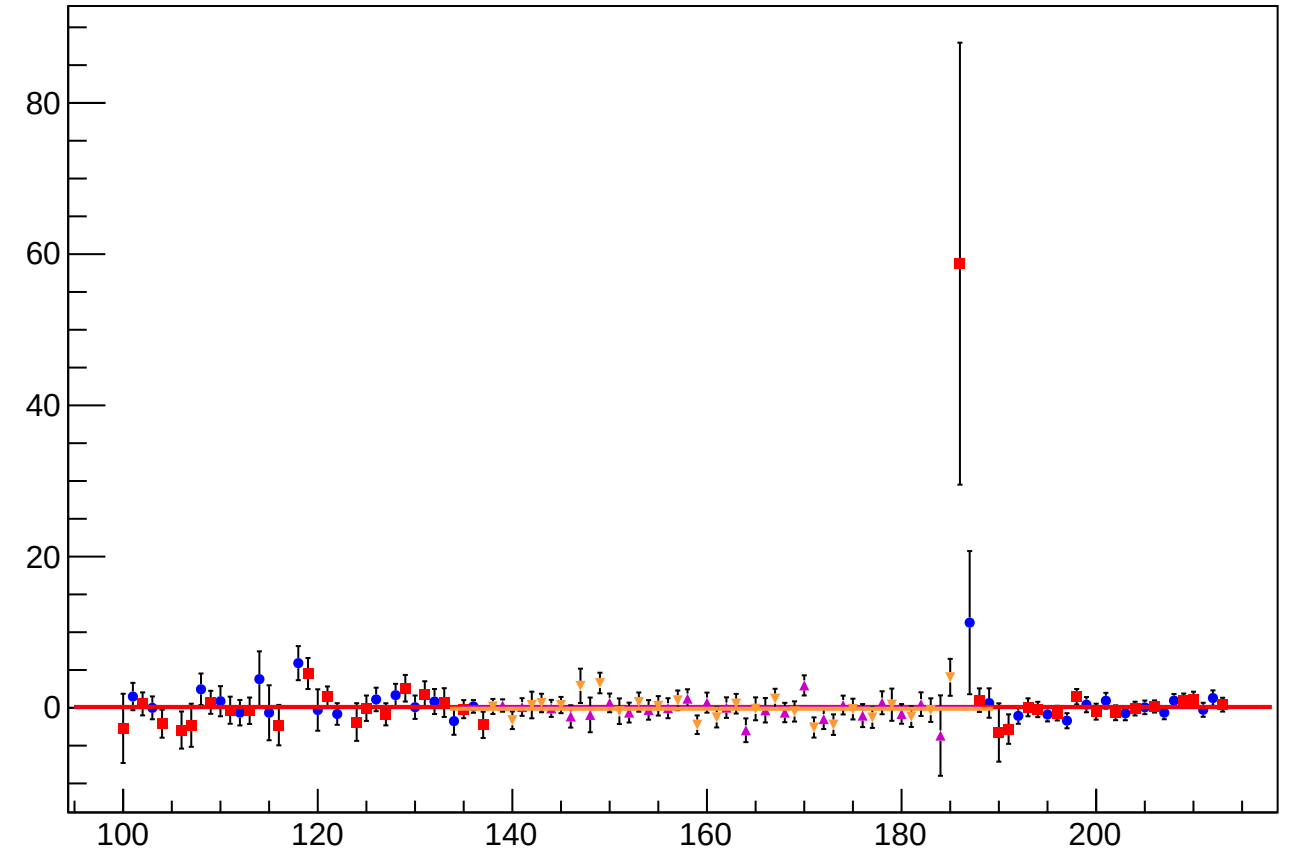
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6102.065+/-0.742 χ^2/NDF: 4182685.3/62

In: 6256.213+/-0.756 χ^2/NDF:2332056.8/51

Out: 6264.194+/-0.733 χ^2/NDF:2884918.9/58

All: 6260.326+/-0.526 χ^2/NDF: 5217033.0/11



Right In: 0.089+/-0.233 χ^2/NDF: 25.0/28

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

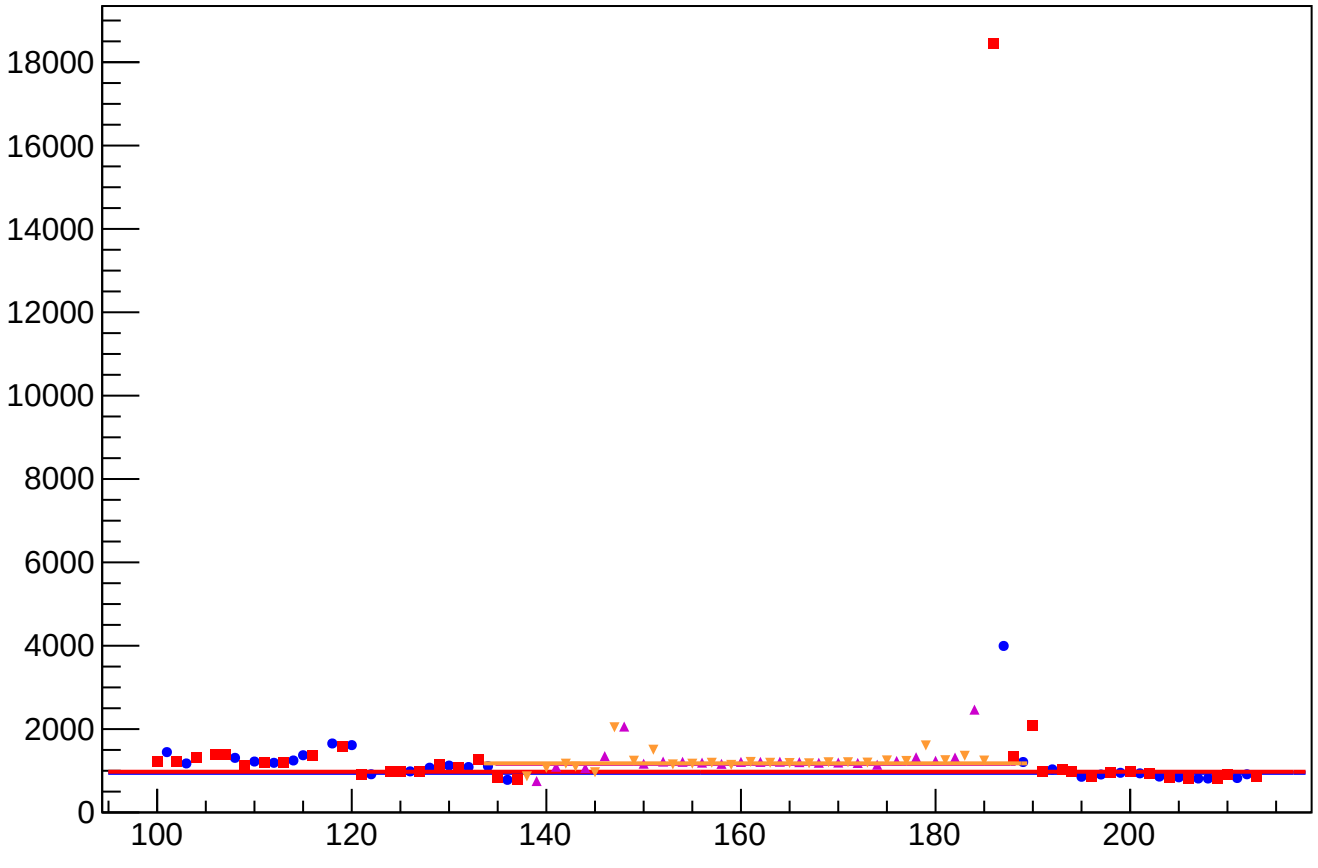
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.107+/-0.165 χ^2/NDF: 55.0/62

In: 0.040+/-0.179 χ^2/NDF:39.5/51

Out: 0.021+/-0.177 χ^2/NDF:57.5/58

All: 0.031+/-0.126 χ^2/NDF: 97.0/110



Right In: 950.222+/-0.165 χ^2/NDF: 1299145.0/28

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

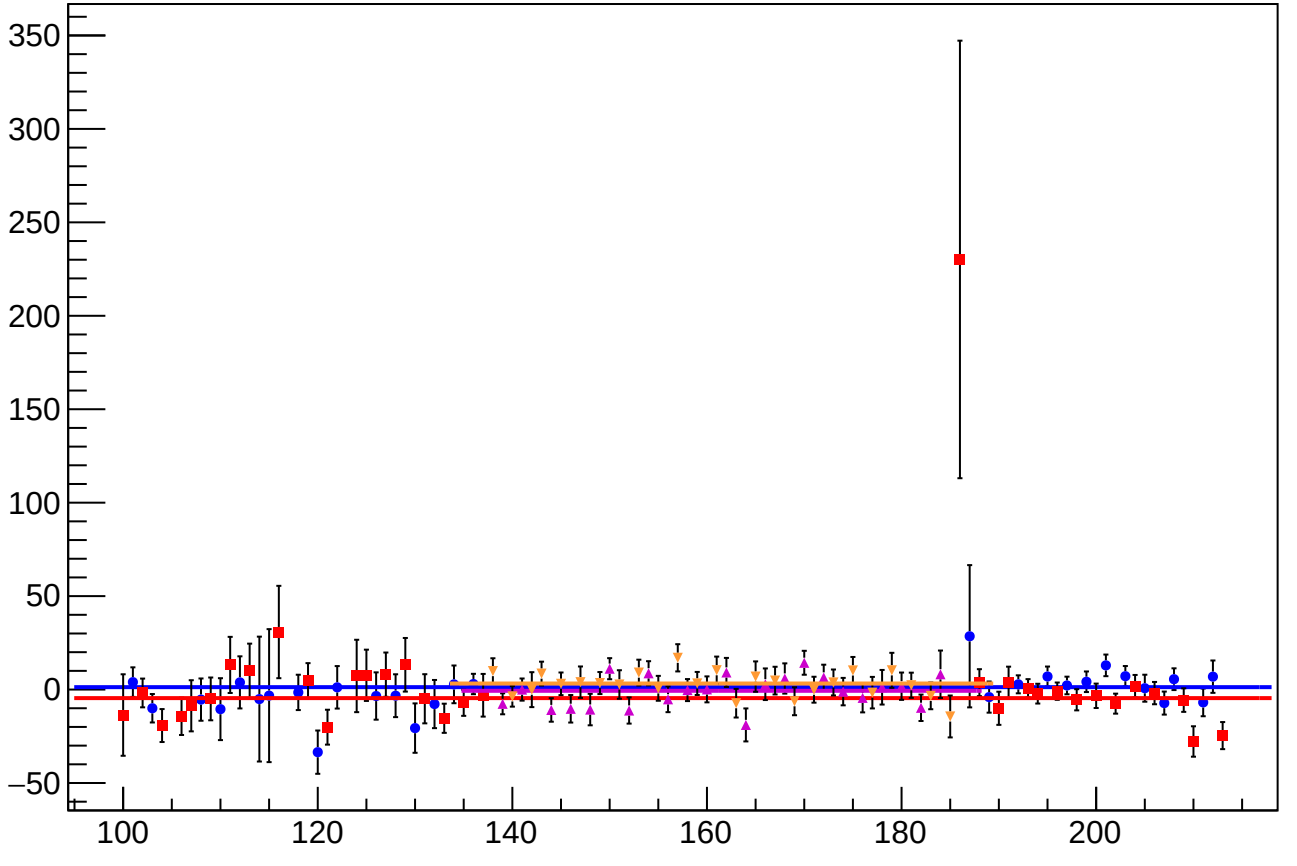
Right: 963.610+/-0.116 χ^2/NDF: 3233657.2/62

In: 1038.335+/-0.127 χ^2/NDF:3042173.1/51

Out: 1060.881+/-0.125 χ^2/NDF:3350711.4/58

All: 1049.741+/-0.089 χ^2/NDF: 6408950.2/11

diff_bpm_4eY_4ecY_avg_mean vs Slug, Sign Corrected



Right In: 1.288+/-1.430 χ^2/NDF: 27.8/28

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

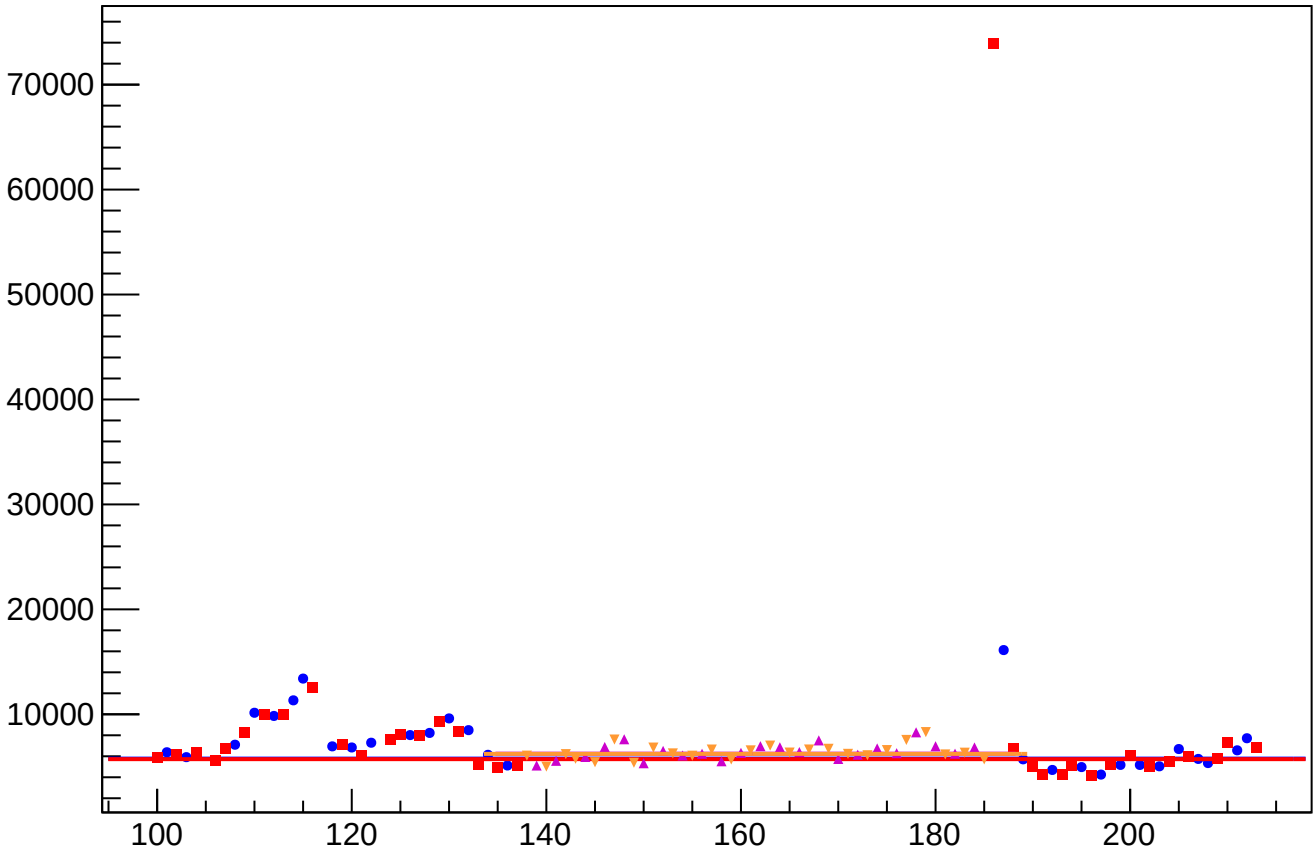
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -1.775+/-0.989 χ^2/NDF: 81.1/62

In: 0.340+/-1.026 χ^2/NDF:61.1/51

Out: -0.843+/-0.988 χ^2/NDF:78.0/58

All: -0.274+/-0.712 χ^2/NDF: 139.7/110



Right In: 5776.879+/-1.011 χ^2/NDF: 1772672.3/28

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

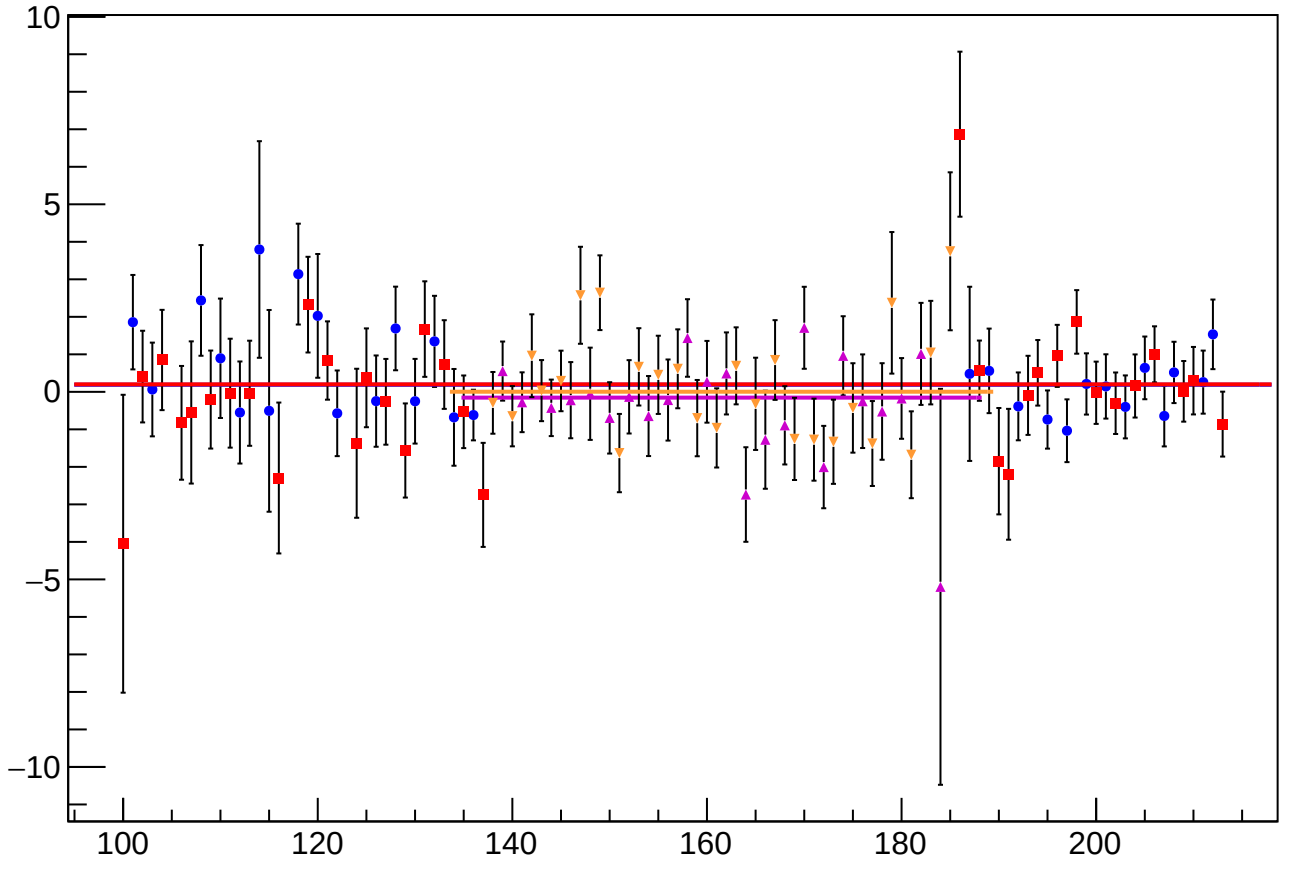
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5750.577+/-0.699 χ^2/NDF: 4250905.5/62

In: 6004.798+/-0.726 χ^2/NDF:2362383.5/51

Out: 5966.575+/-0.699 χ^2/NDF:3076576.7/58

All: 5984.969+/-0.503 χ^2/NDF: 5440399.4/11



Right In: 0.190+/-0.193 χ^2/NDF: 25.8/28

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

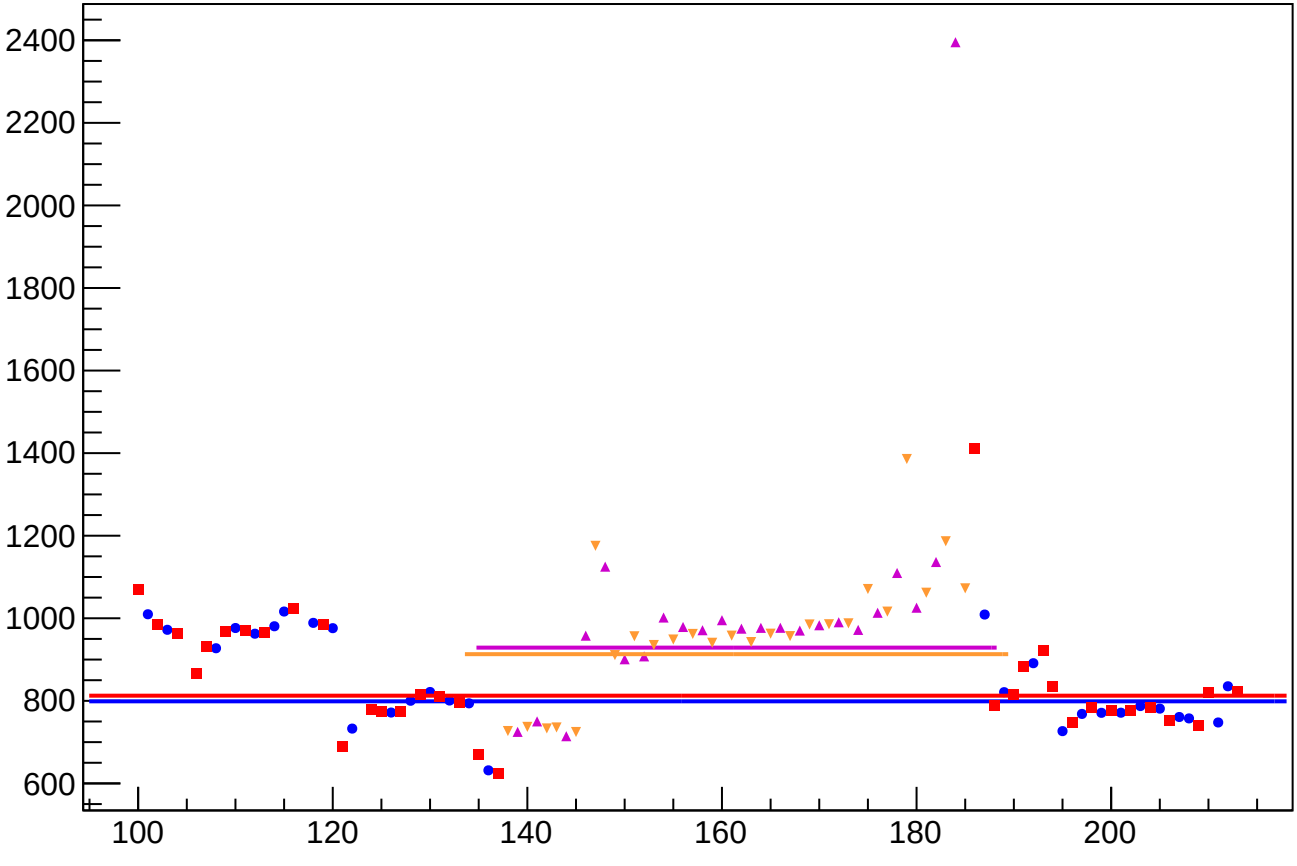
Right: 0.195+/-0.134 χ^2/NDF: 63.5/62

In: 0.041+/-0.145 χ^2/NDF:45.6/51

Out: 0.113+/-0.140 χ^2/NDF:69.8/58

All: 0.079+/-0.101 χ^2/NDF: 115.5/110

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 798.846+/-0.136 χ^2/NDF: 462700.2/28

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

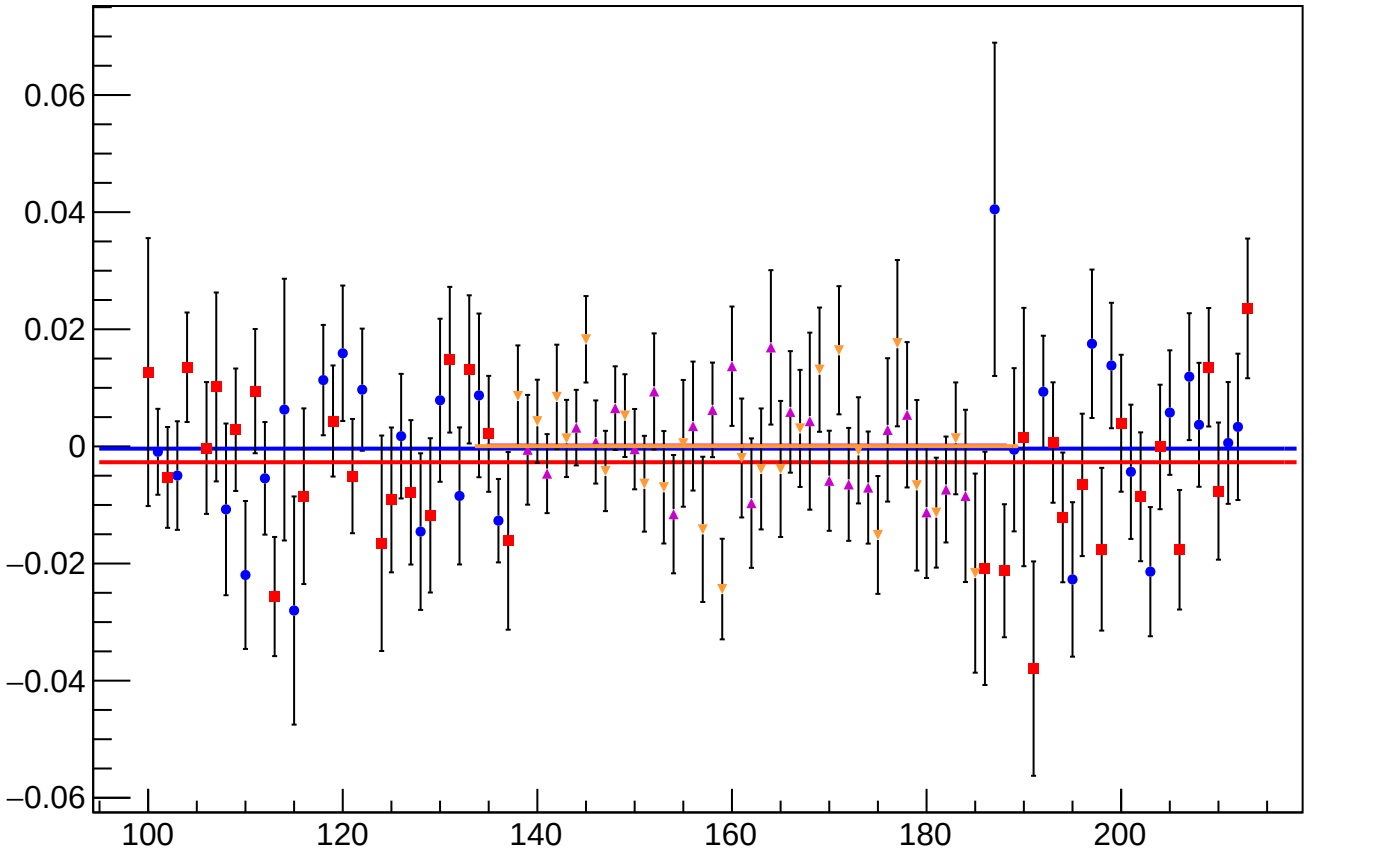
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 805.863+/-0.095 χ^2/NDF: 1030242.5/62

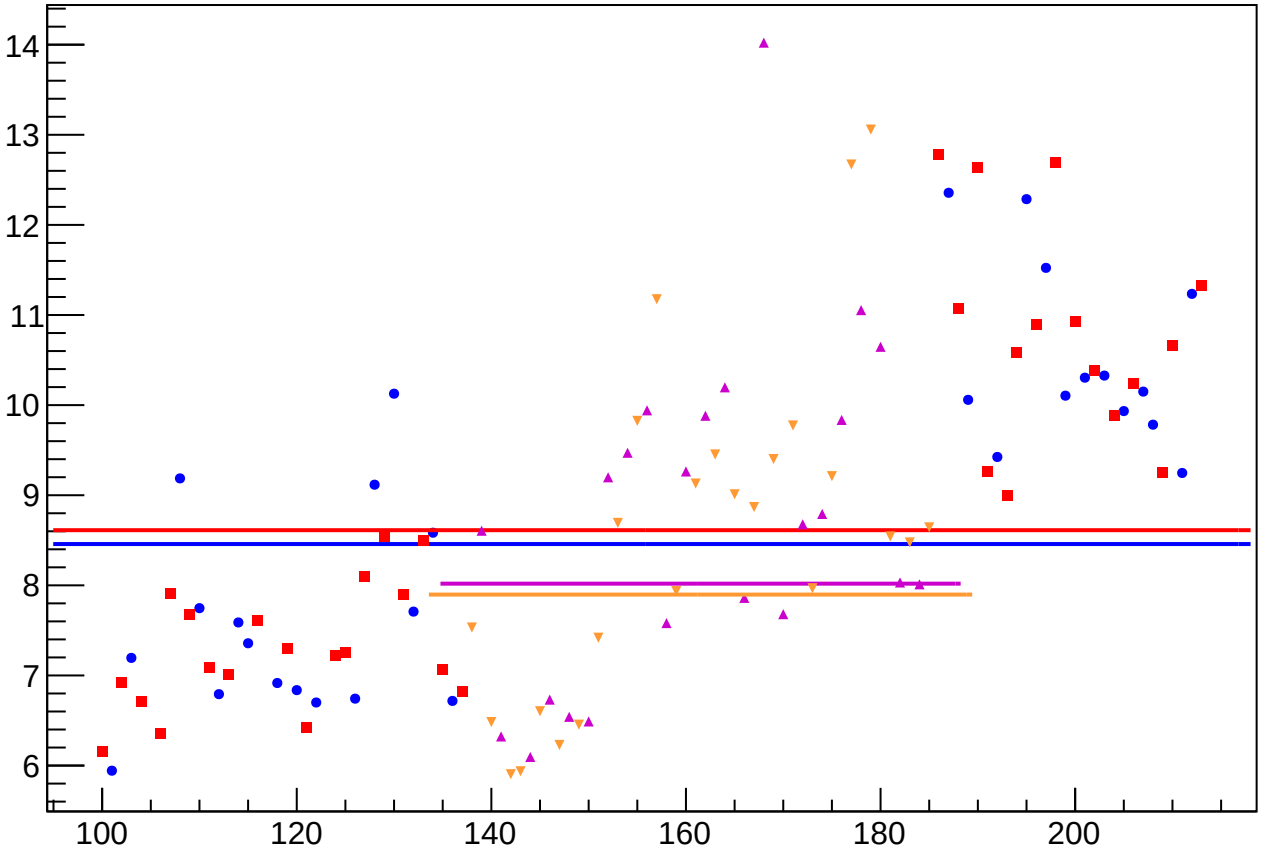
In: 854.990+/-0.103 χ^2/NDF:1625243.3/51

Out: 856.713+/-0.099 χ^2/NDF:1703924.1/58

All: 855.880+/-0.071 χ^2/NDF: 3329312.8/110


diff_dispE_bpm12X_mean vs Slug, Sign Corrected
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.002 χ²/NDF: 31.2/28
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: -0.003+/-0.002 χ²/NDF: 37.4/33
Left In: 0.000+/-0.002 χ²/NDF:12.8/22
Left: 0.000+/-0.001 χ²/NDF: 43.9/47
Right: -0.002+/-0.001 χ²/NDF: 69.3/62
In: -0.000+/-0.001 χ²/NDF:44.1/51
Out: -0.001+/-0.001 χ²/NDF:69.6/58
All: -0.001+/-0.001 χ²/NDF: 114.0/110

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 8.458+/-0.001 χ^2/NDF: 1471465.7/28

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

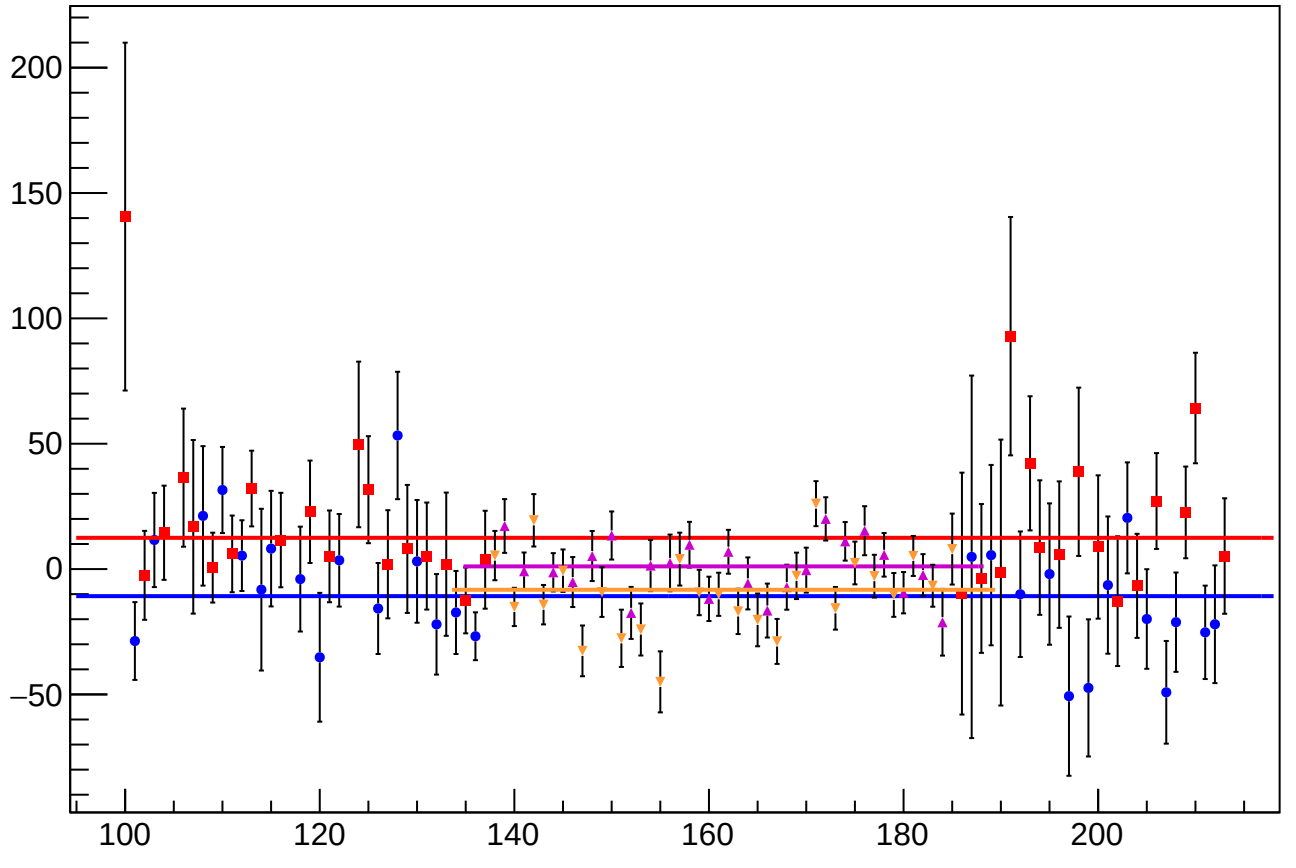
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 8.537+/-0.001 χ^2/NDF: 3062307.0/62

In: 8.221+/-0.001 χ^2/NDF:2975583.0/51

Out: 8.222+/-0.001 χ^2/NDF:3312437.2/58

All: 8.221+/-0.001 χ^2/NDF: 6288020.5/110



Right In: -10.797+/-3.744 χ^2/NDF: 34.3/28

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

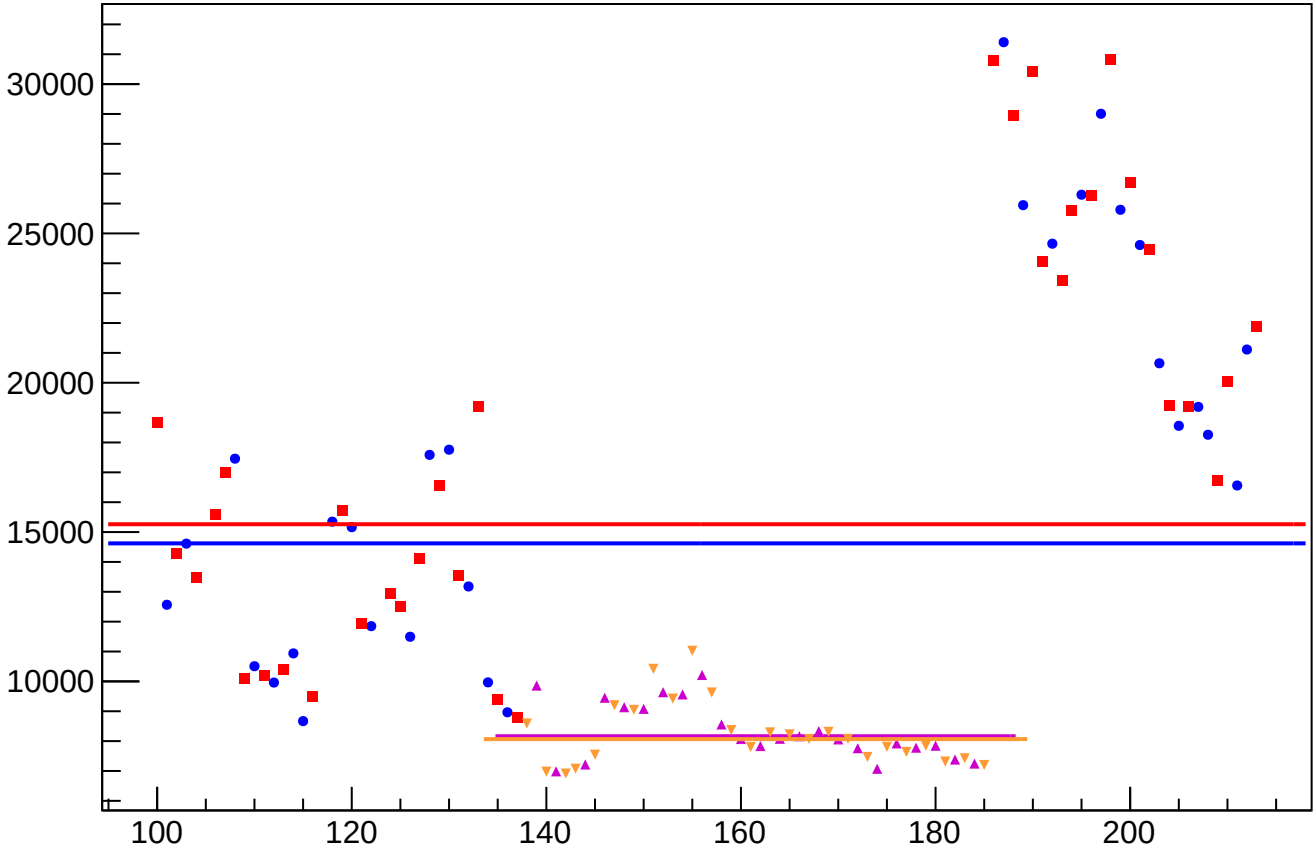
Right: 0.801+/-2.651 χ^2/NDF: 81.6/62

In: -1.401+/-1.709 χ^2/NDF:71.1/51

Out: -4.211+/-1.659 χ^2/NDF:114.7/58

All: -2.848+/-1.190 χ^2/NDF: 187.2/110

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 14621.487+/-2.648 χ^2/NDF: 4136000.4/28

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 15262.376+/-2.655 χ^2/NDF: 4787643.9/33

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

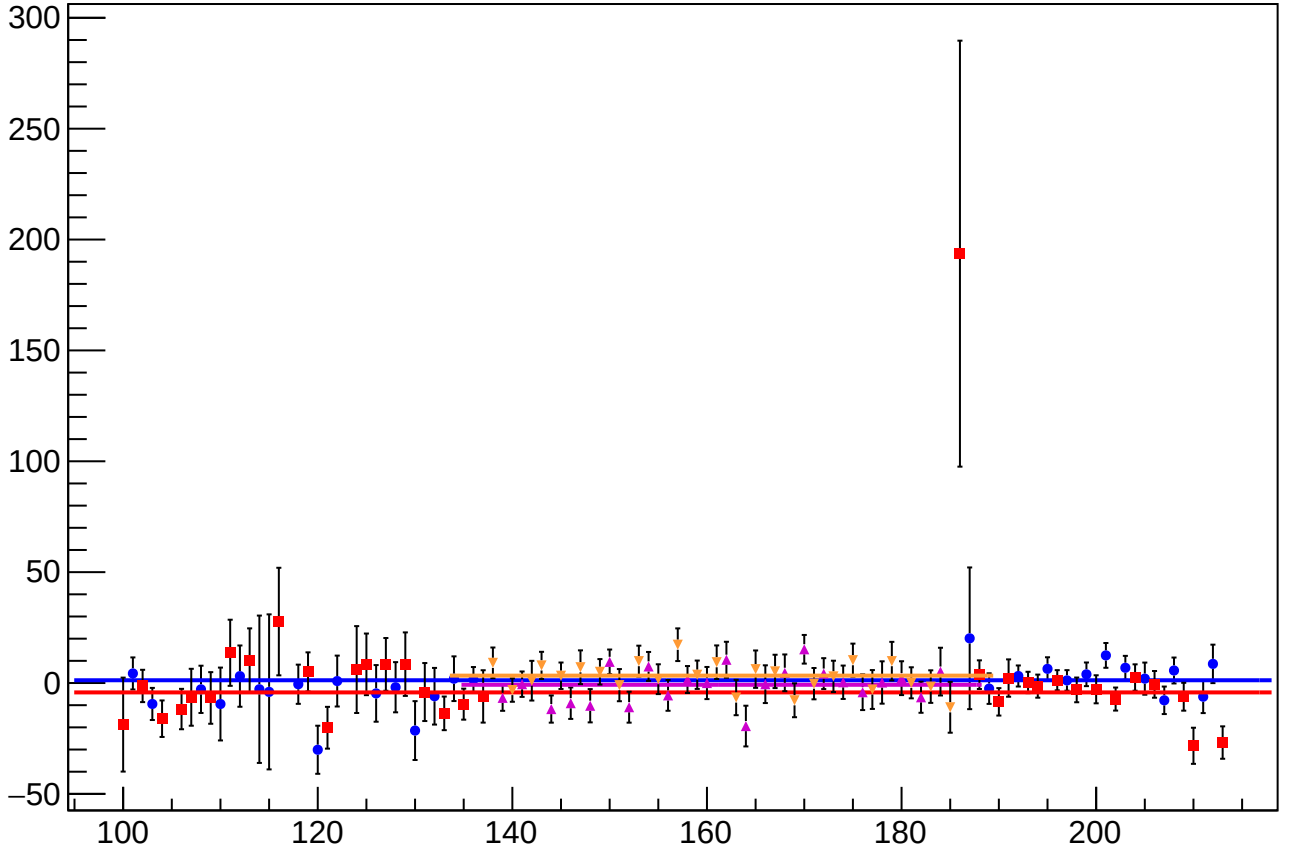
Right: 14941.030+/-1.875 χ^2/NDF: 8952857.5/62

In: 9508.882+/-1.208 χ^2/NDF:9278195.1/51

Out: 9471.496+/-1.173 χ^2/NDF:11196474.1/58

All: 9489.635+/-0.842 χ^2/NDF: 20475161.9/1

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: 1.245+/-1.398 χ^2/NDF: 26.5/28

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

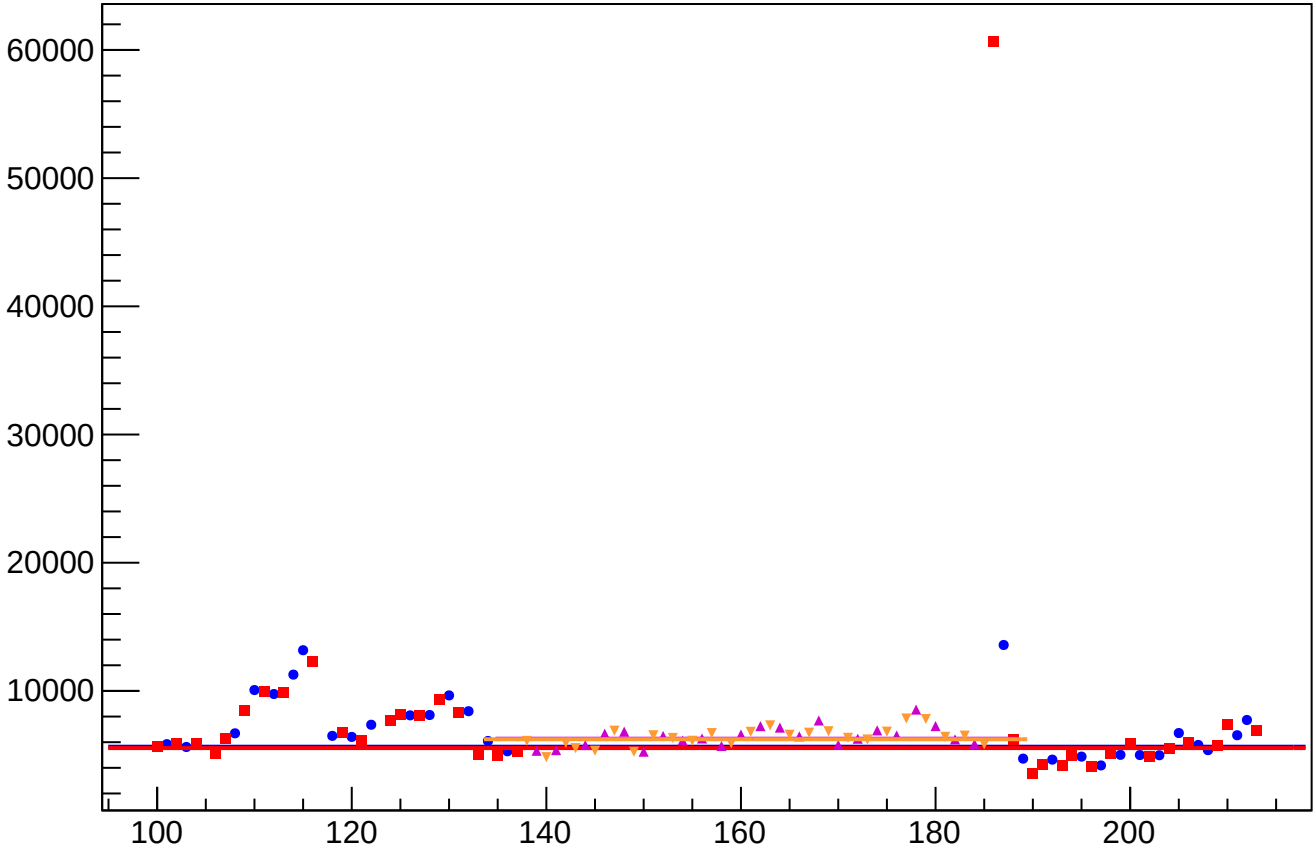
Right: -1.641+/-0.962 χ^2/NDF: 81.3/62

In: 0.281+/-1.016 χ^2/NDF:56.9/51

Out: -0.740+/-0.972 χ^2/NDF:78.7/58

All: -0.252+/-0.702 χ^2/NDF: 136.2/110

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 5648.176+/-0.989 χ^2/NDF: 1794821.5/28

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

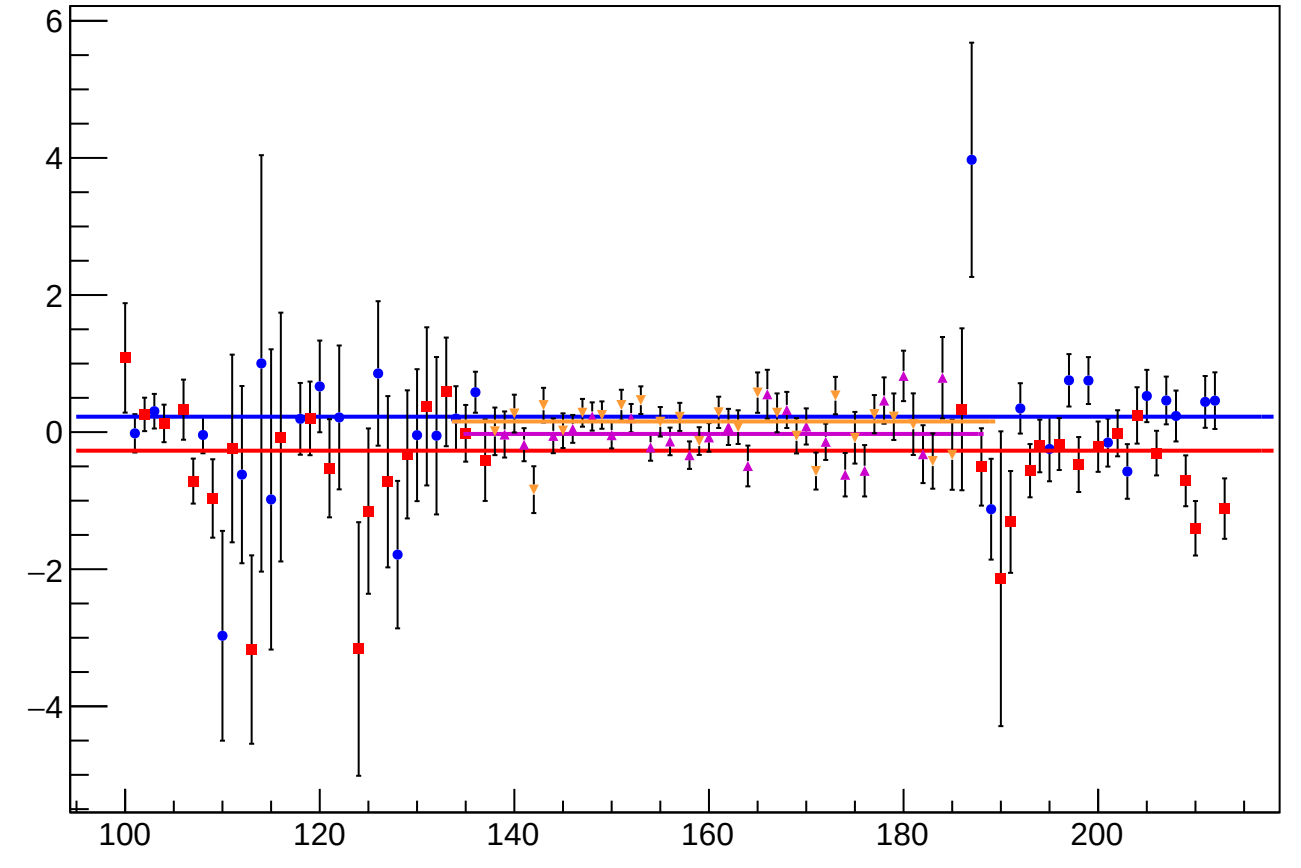
Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

Right: 5591.165+/-0.680 χ^2/NDF: 4483024.0/62

In: 5942.146+/-0.718 χ^2/NDF:2486759.5/51

Out: 5859.198+/-0.688 χ^2/NDF:3465513.6/58

All: 5898.854+/-0.497 χ^2/NDF: 5959230.8/11



Right In: 0.225+/-0.082 χ^2/NDF: 33.4/28

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

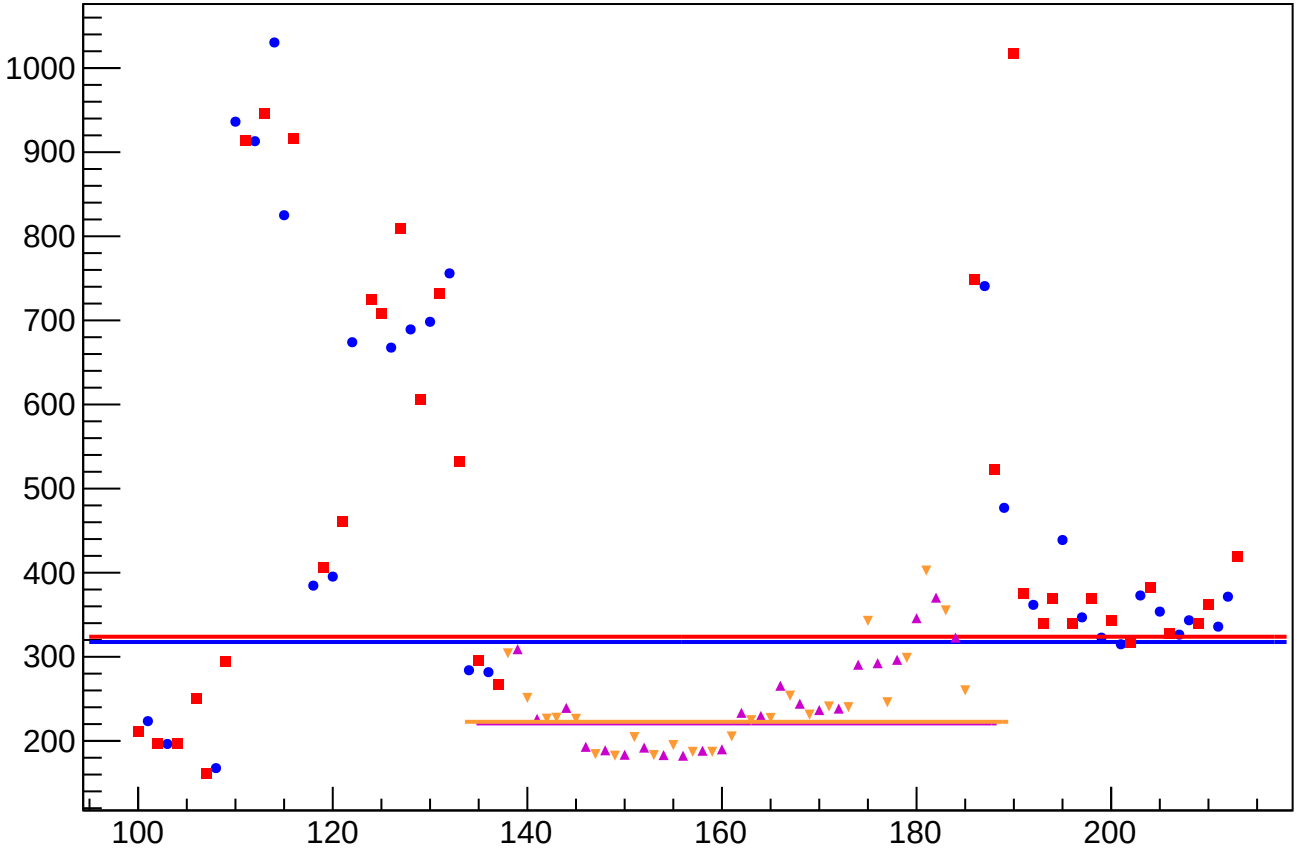
Right: -0.026+/-0.058 χ^2/NDF: 96.6/62

In: 0.048+/-0.044 χ^2/NDF:69.8/51

Out: 0.031+/-0.044 χ^2/NDF:96.6/58

All: 0.039+/-0.031 χ^2/NDF: 166.5/110

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 317.587+/-0.058 χ^2/NDF: 4177395.8/28

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

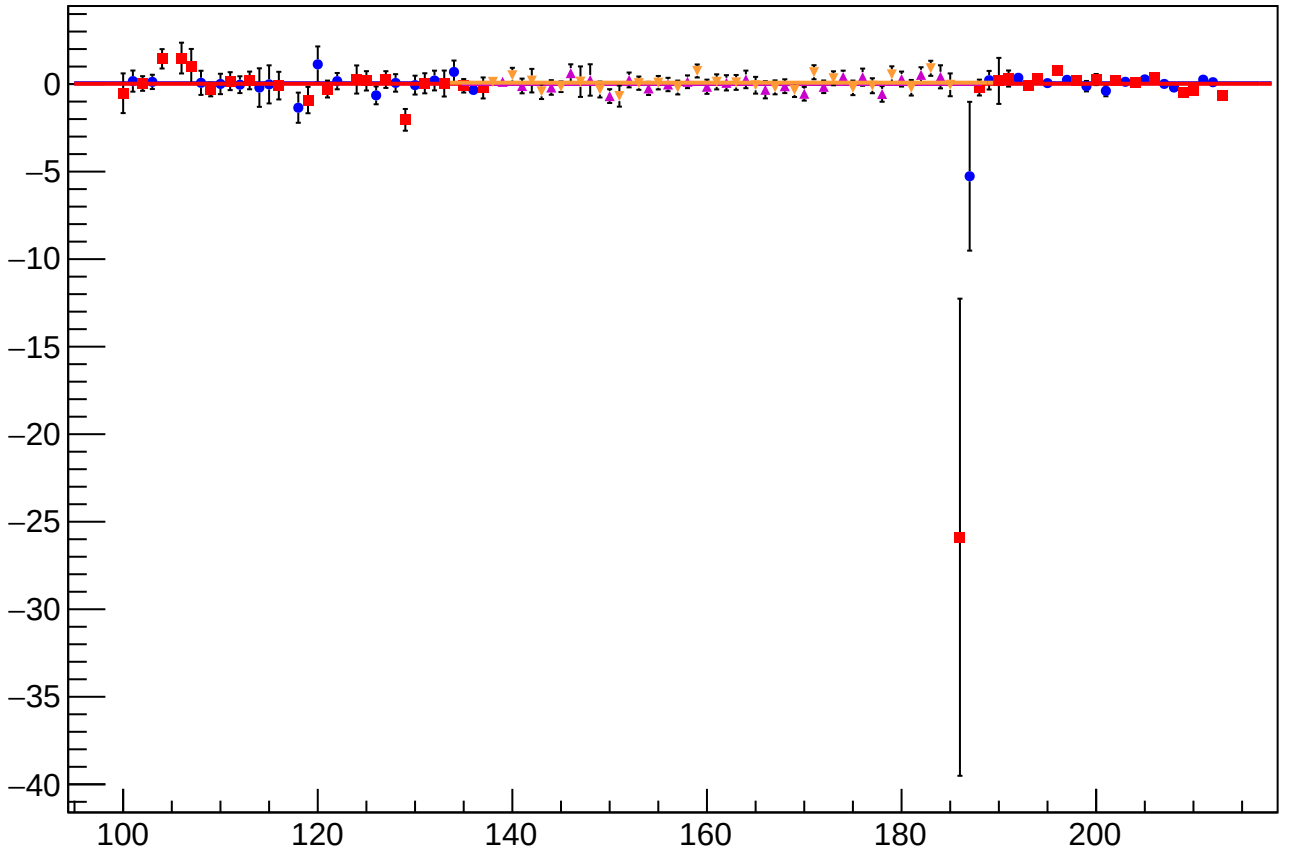
Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

Right: 320.764+/-0.041 χ^2/NDF: 9009156.1/62

In: 249.353+/-0.031 χ^2/NDF:7618629.4/51

Out: 252.206+/-0.031 χ^2/NDF:8490007.0/58

All: 250.804+/-0.022 χ^2/NDF: 16112824.7/1



Right In: 0.048+/-0.065 χ^2/NDF: 17.8/28

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

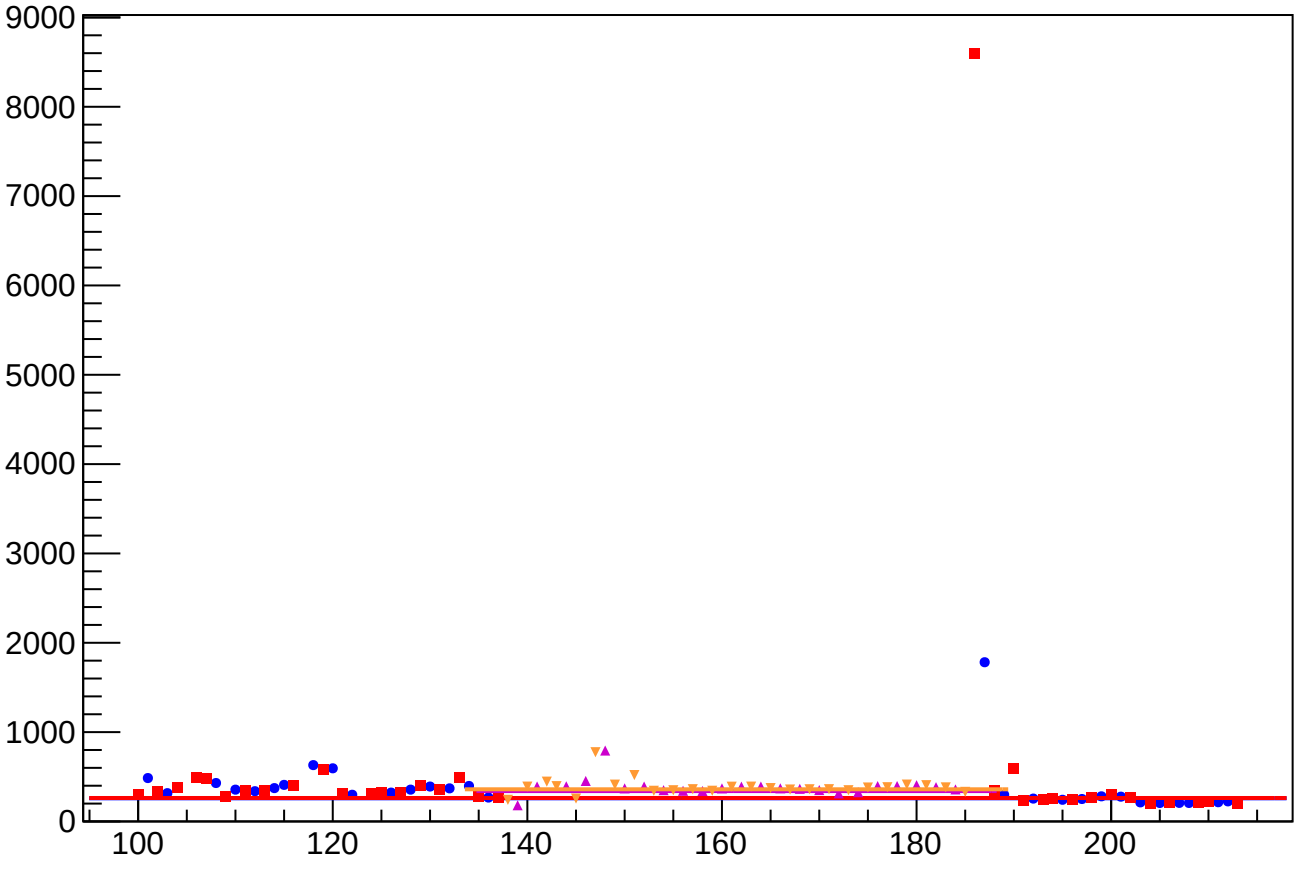
Right: 0.033+/-0.046 χ^2/NDF: 77.9/62

In: 0.033+/-0.051 χ^2/NDF:33.1/51

Out: 0.041+/-0.051 χ^2/NDF:79.3/58

All: 0.037+/-0.036 χ^2/NDF: 112.5/110

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 259.130+/-0.046 χ^2/NDF: 2419460.3/28

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

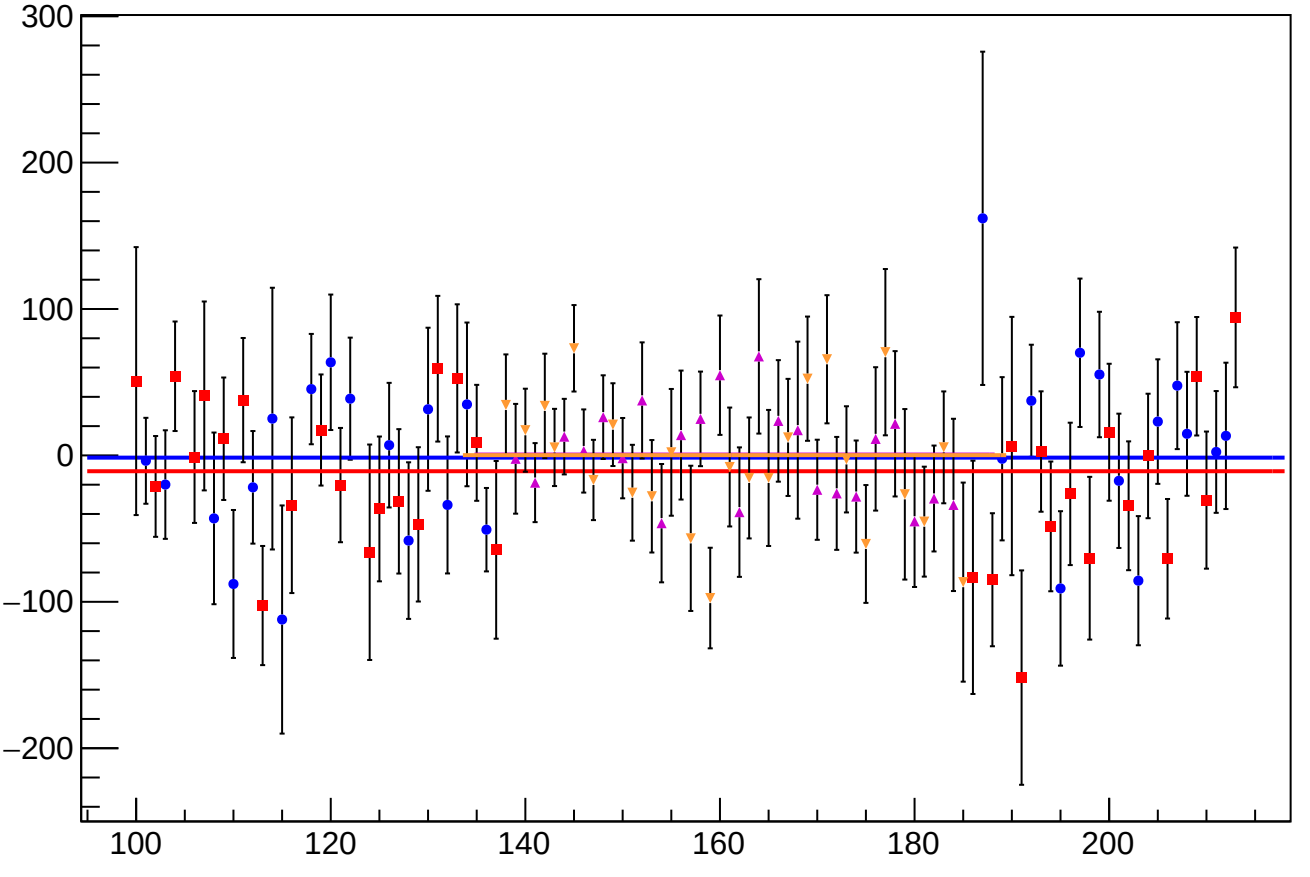
Right: 260.943+/-0.032 χ^2/NDF: 5312710.3/62

In: 289.979+/-0.036 χ^2/NDF:5824924.5/51

Out: 298.181+/-0.036 χ^2/NDF:5923482.9/58

All: 294.099+/-0.026 χ^2/NDF: 11774245.8/1

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -1.521+/-8.304 χ^2/NDF: 31.2/28

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

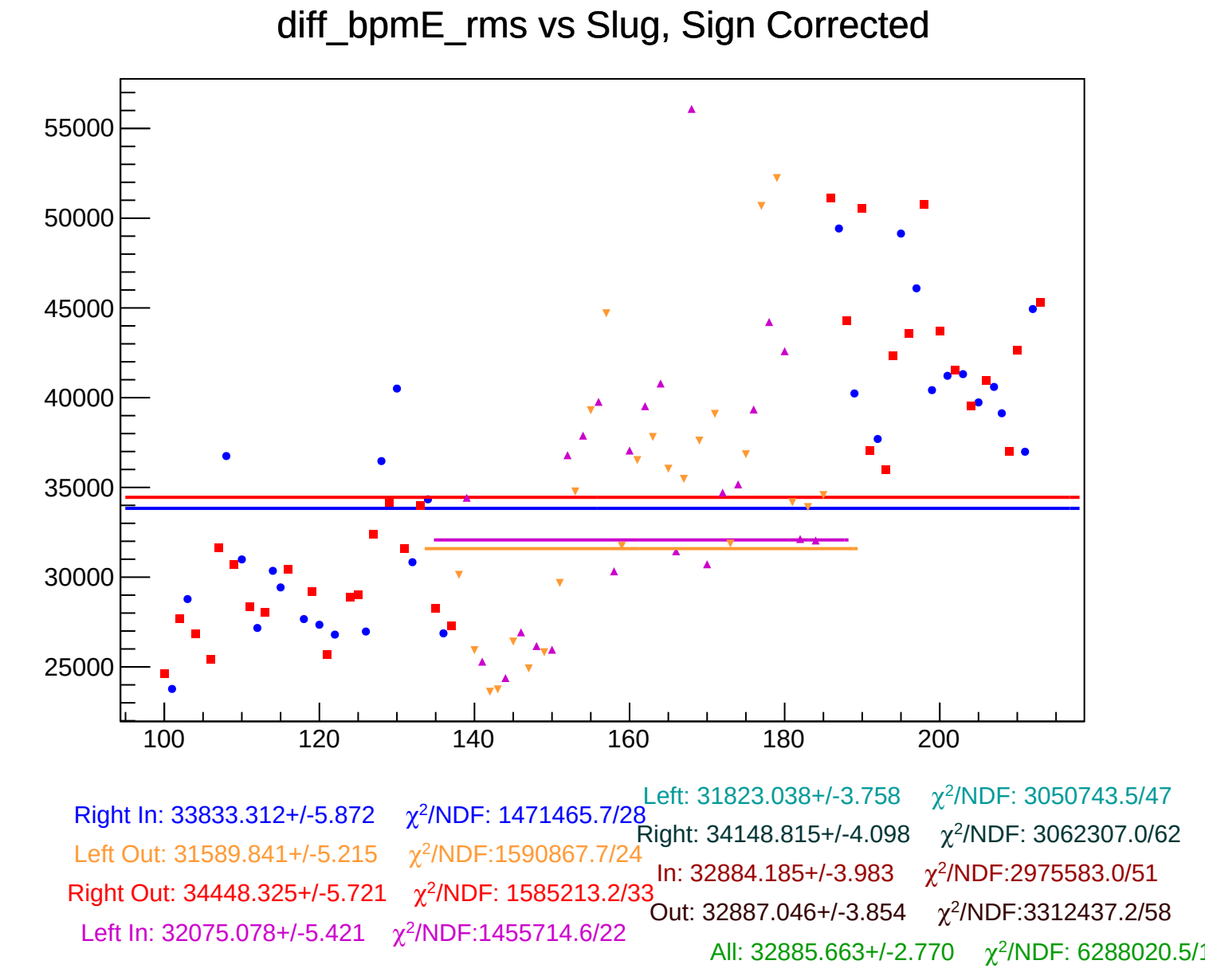
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -6.283+/-5.795 χ^2/NDF: 69.3/62

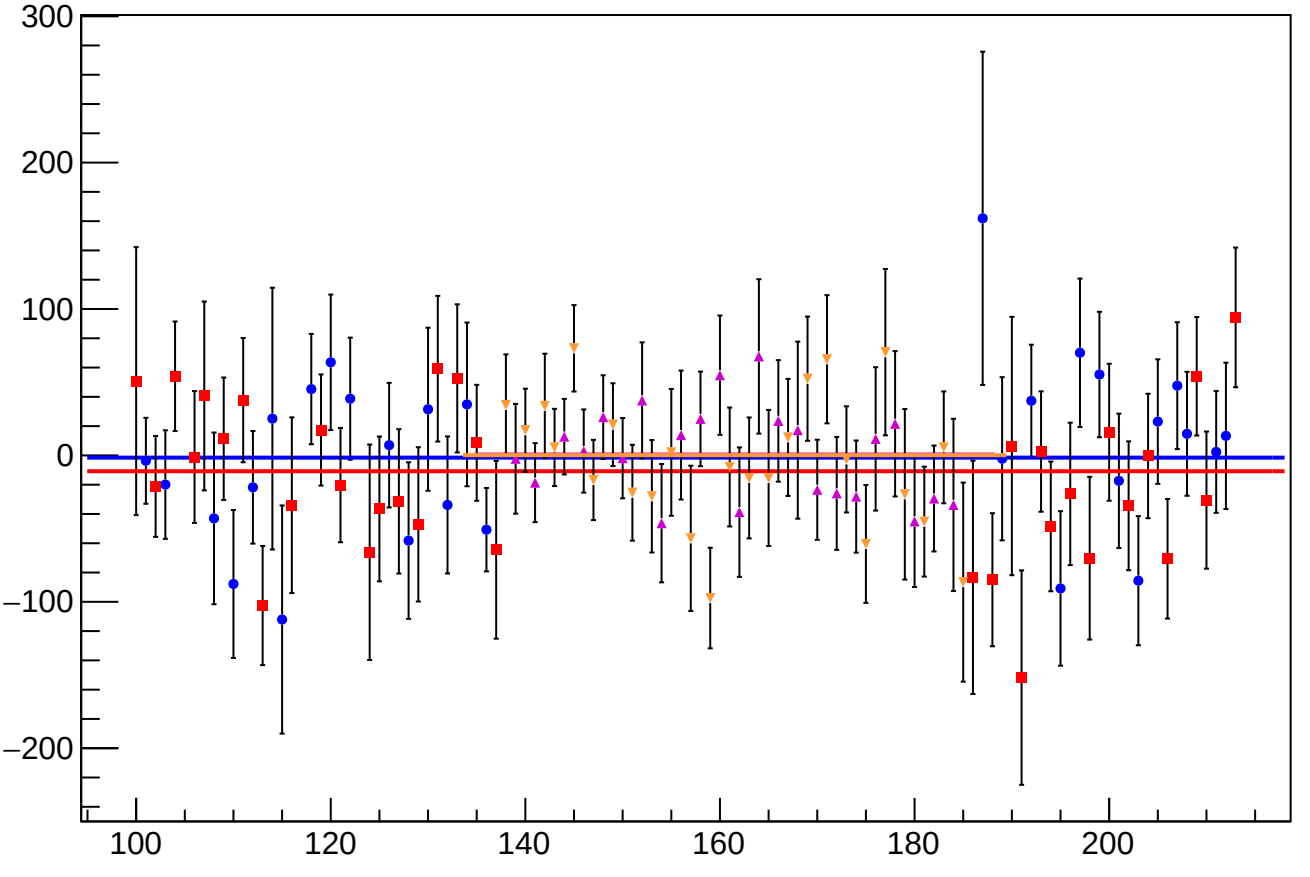
In: -0.384+/-5.633 χ^2/NDF:44.1/51

Out: -4.811+/-5.450 χ^2/NDF:69.6/58

All: -2.670+/-3.917 χ^2/NDF: 114.0/110


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 33833.312+/-5.872 χ²/NDF: 1471465.7/28
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: 34148.815+/-4.098 χ²/NDF: 3062307.0/62
In: 32884.185+/-3.983 χ²/NDF:2975583.0/51
Out: 32887.046+/-3.854 χ²/NDF:3312437.2/58
All: 32885.663+/-2.770 χ²/NDF: 6288020.5/1

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -1.521+/-8.304 χ^2/NDF: 31.2/28

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

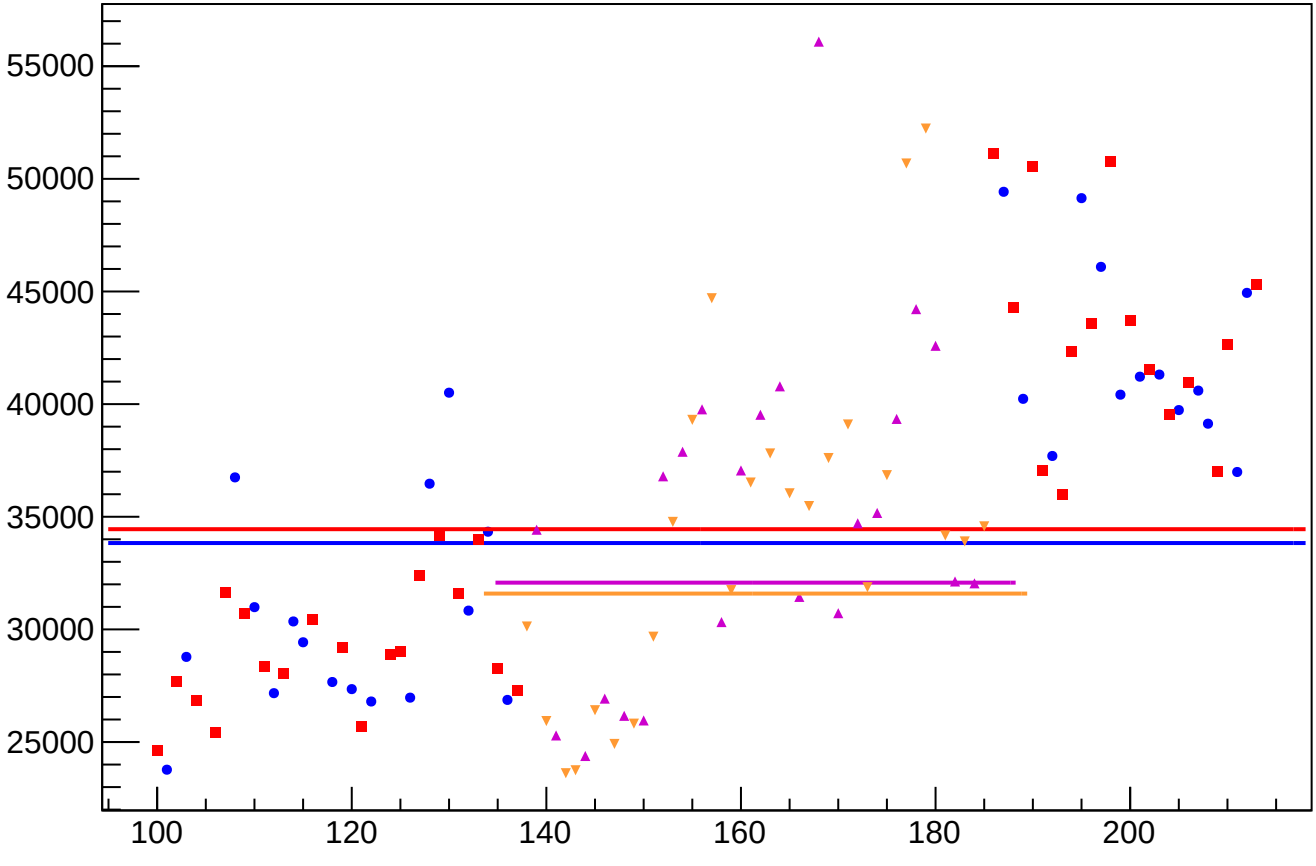
Right: -6.283+/-5.795 χ^2/NDF: 69.3/62

In: -0.384+/-5.633 χ^2/NDF:44.1/51

Out: -4.811+/-5.450 χ^2/NDF:69.6/58

All: -2.670+/-3.917 χ^2/NDF: 114.0/110

diff_bpmEX_rms vs Slug, Sign Corrected



Right In: 33833.312+/-5.872 χ^2/NDF: 1471465.7/28

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

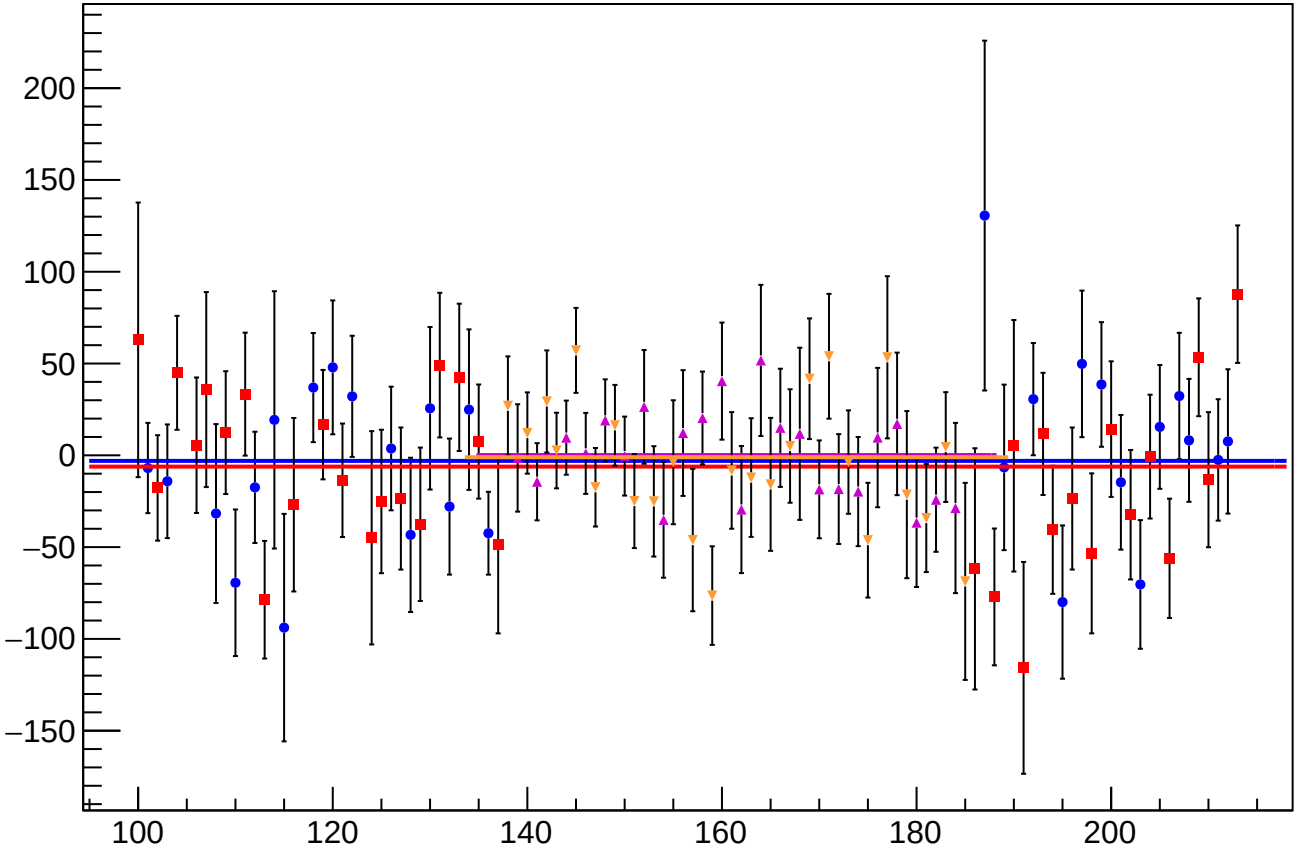
Right: 34148.815+/-4.098 χ^2/NDF: 3062307.0/62

In: 32884.185+/-3.983 χ^2/NDF:2975583.0/51

Out: 32887.046+/-3.854 χ^2/NDF:3312437.2/58

All: 32885.663+/-2.770 χ^2/NDF: 6288020.5/1

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -3.025+/-6.629 χ^2/NDF: 31.1/28

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

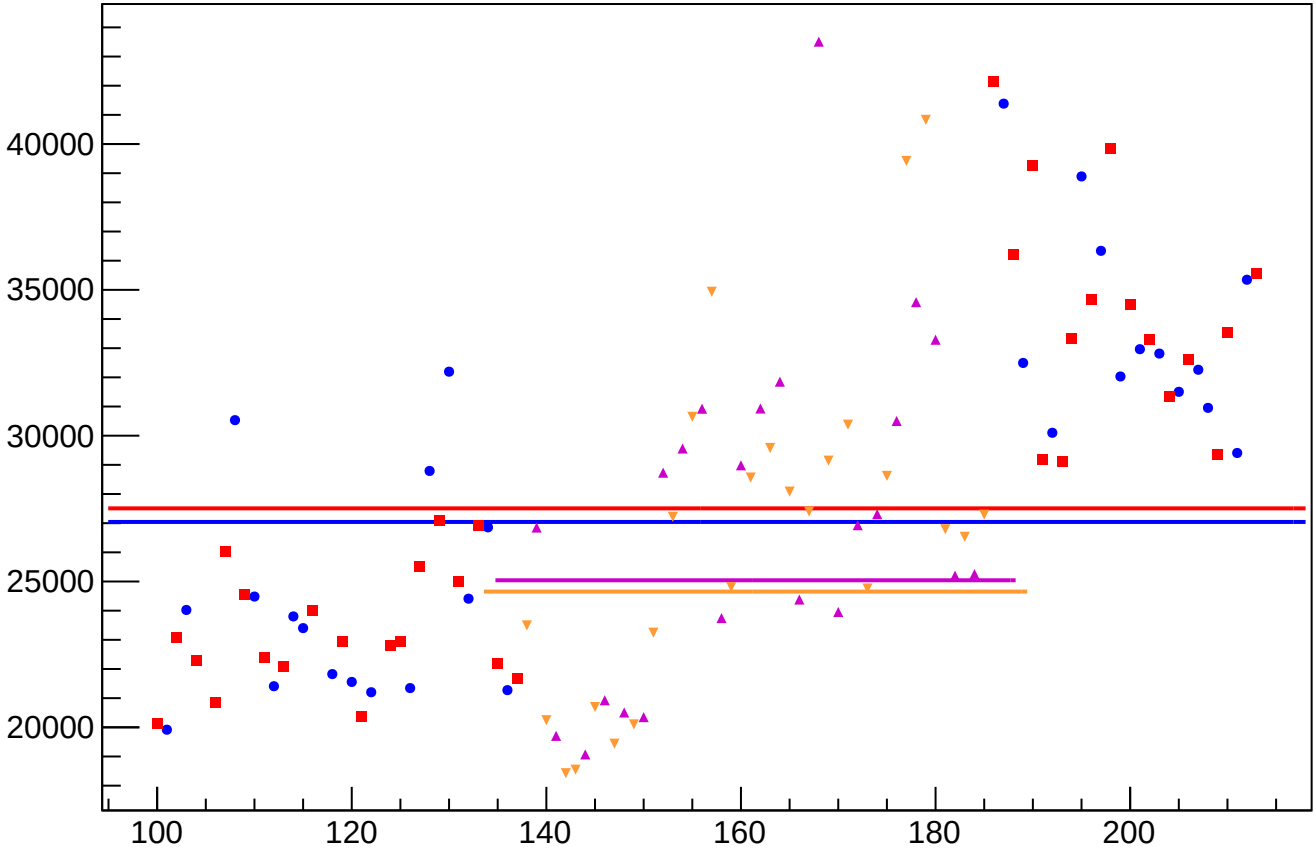
Right: -4.624+/-4.625 χ^2/NDF: 72.8/62

In: -1.278+/-4.442 χ^2/NDF:43.3/51

Out: -3.299+/-4.296 χ^2/NDF:74.3/58

All: -2.322+/-3.088 χ^2/NDF: 117.7/110

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 27042.079+/-4.688 χ^2/NDF: 1405316.4/28

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

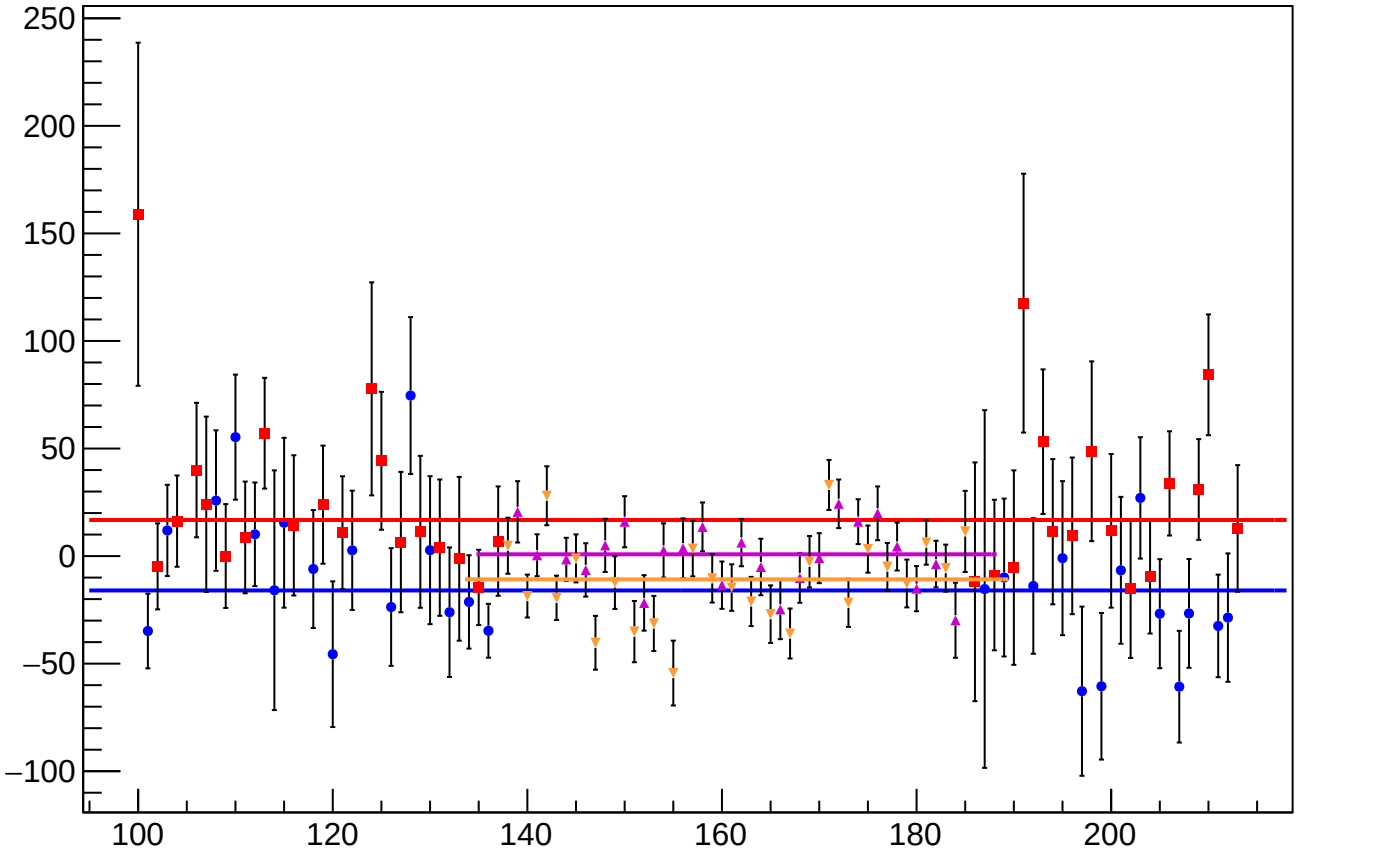
Left: 24840.393+/-2.933 χ^2/NDF: 3028719.5/47

Right: 27281.092+/-3.270 χ^2/NDF: 2939375.5/62

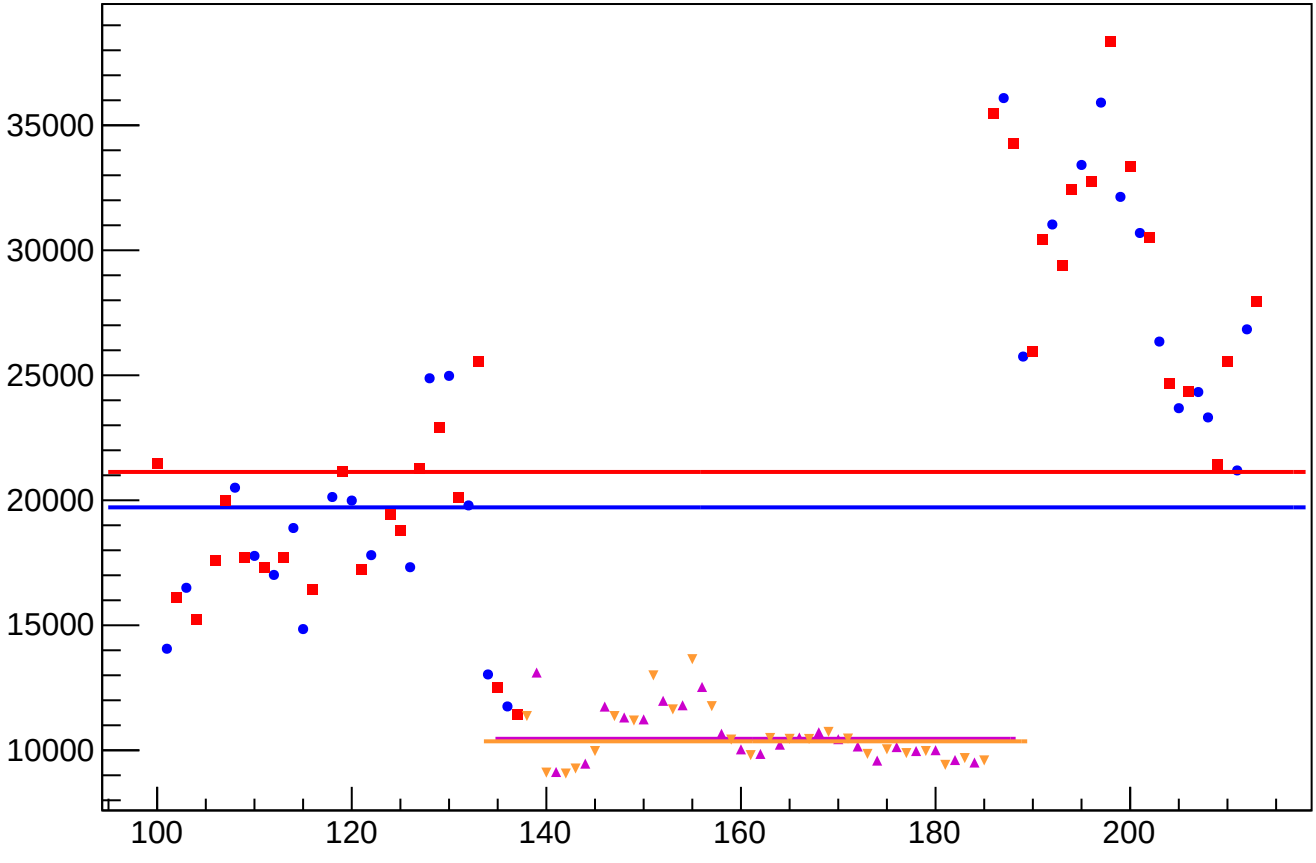
In: 25940.083+/-3.141 χ^2/NDF:2947261.0/51

Out: 25917.516+/-3.038 χ^2/NDF:3329478.2/58

All: 25928.421+/-2.184 χ^2/NDF: 6276765.9/1


diff_bpm4aesumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -15.975+/-4.989 χ²/NDF: 32.4/28
Left Out: -10.822+/-2.370 χ²/NDF:61.3/24
Right Out: 16.785+/-5.086 χ²/NDF: 28.5/33
Left In: 0.826+/-2.457 χ²/NDF:29.4/22
Left: -5.207+/-1.706 χ²/NDF: 102.3/47
Right: 0.090+/-3.561 χ²/NDF: 82.0/62
In: -2.453+/-2.204 χ²/NDF:70.9/51
Out: -5.895+/-2.148 χ²/NDF:114.0/58
All: -4.218+/-1.539 χ²/NDF: 186.2/110

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 19717.270+/-3.528 χ^2/NDF: 3314530.3/28

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

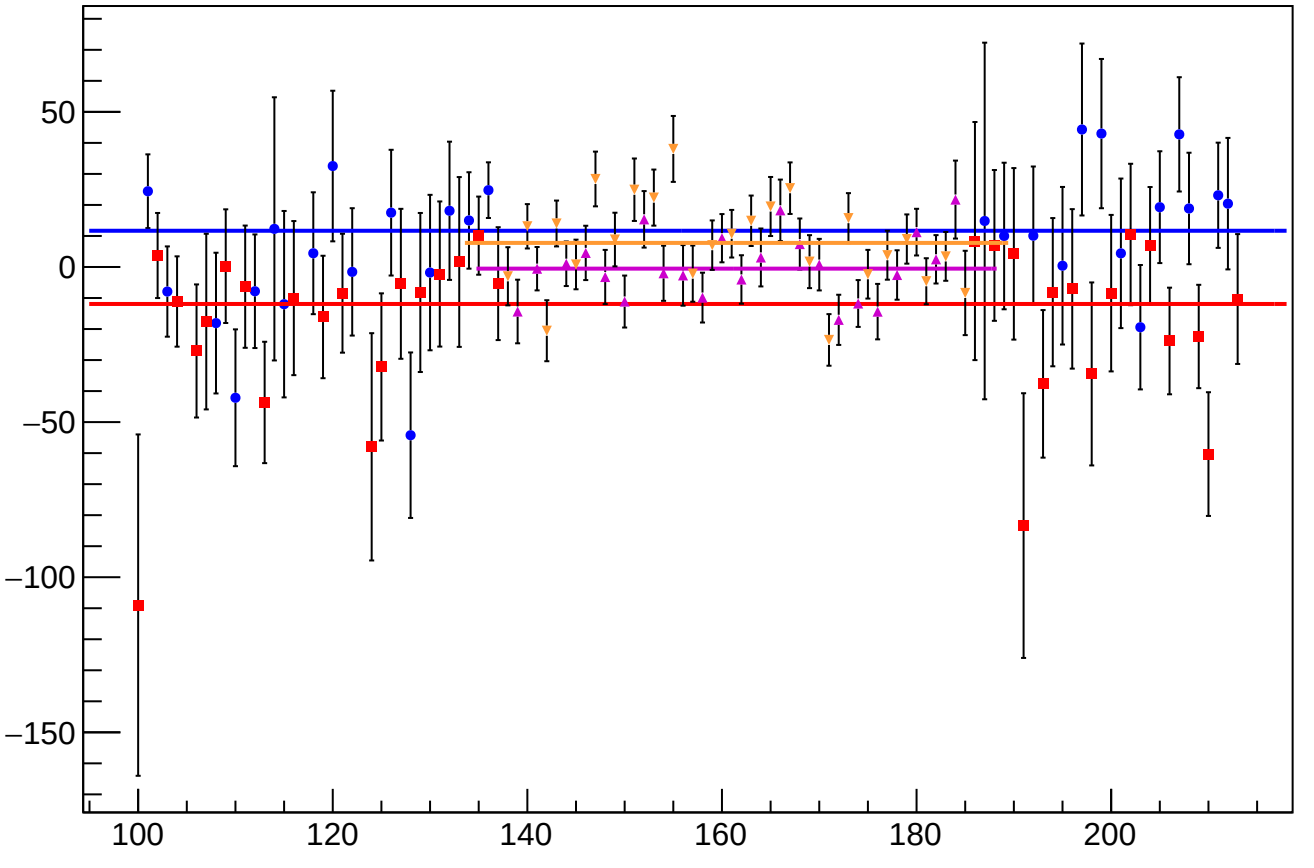
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 20411.674+/-2.518 χ^2/NDF: 6735659.1/62

In: 12266.371+/-1.559 χ^2/NDF:9172470.0/51

Out: 12281.302+/-1.519 χ^2/NDF:11080601.6/58

All: 12274.027+/-1.088 χ^2/NDF: 20253118.7



Right In: 11.679+/-3.561 χ^2/NDF: 32.0/28

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

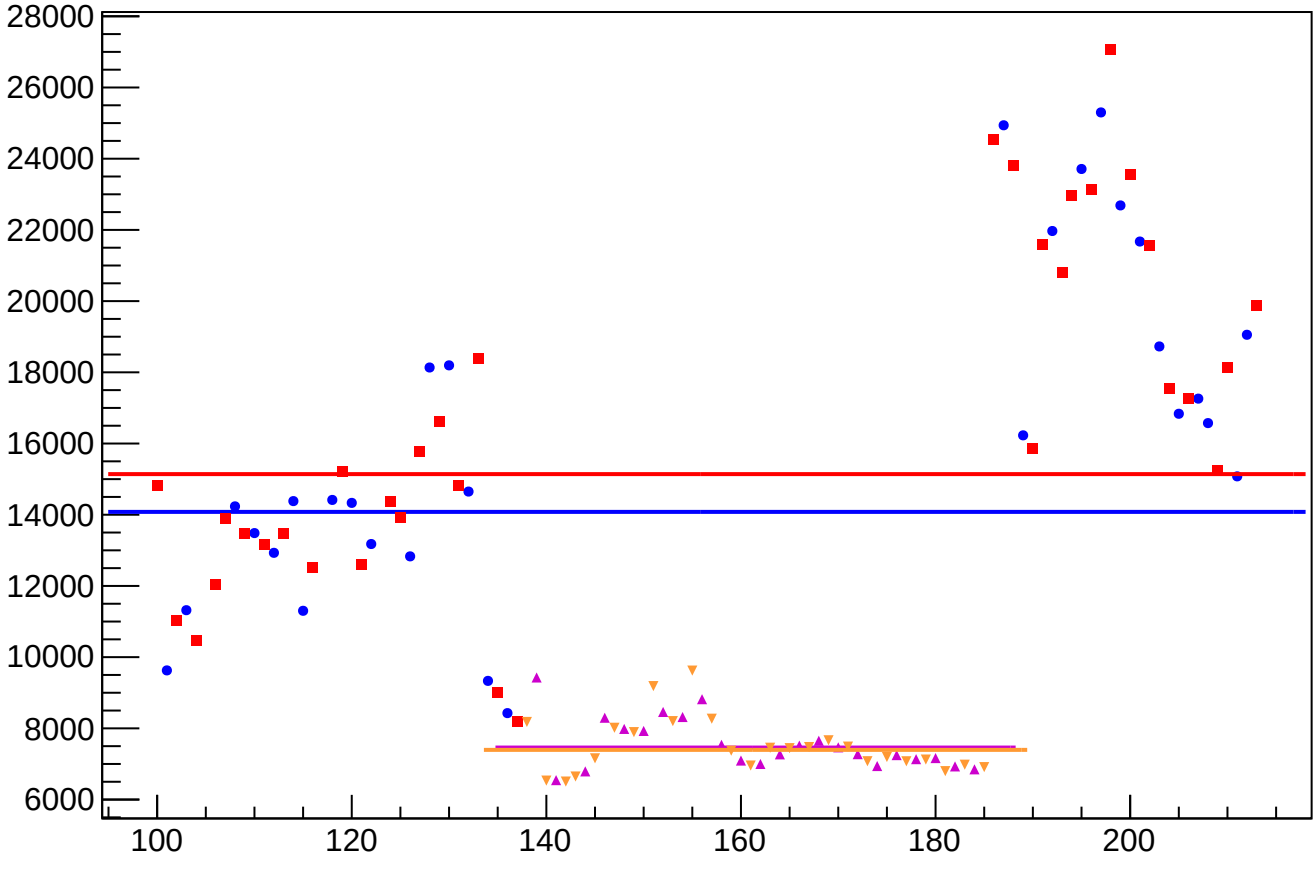
Right: 0.126+/-2.545 χ^2/NDF: 82.3/62

In: 1.847+/-1.572 χ^2/NDF:70.9/51

Out: 4.263+/-1.534 χ^2/NDF:113.8/58

All: 3.085+/-1.098 χ^2/NDF: 186.0/110

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 14080.073+/-2.518 χ^2/NDF: 3250662.1/28

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

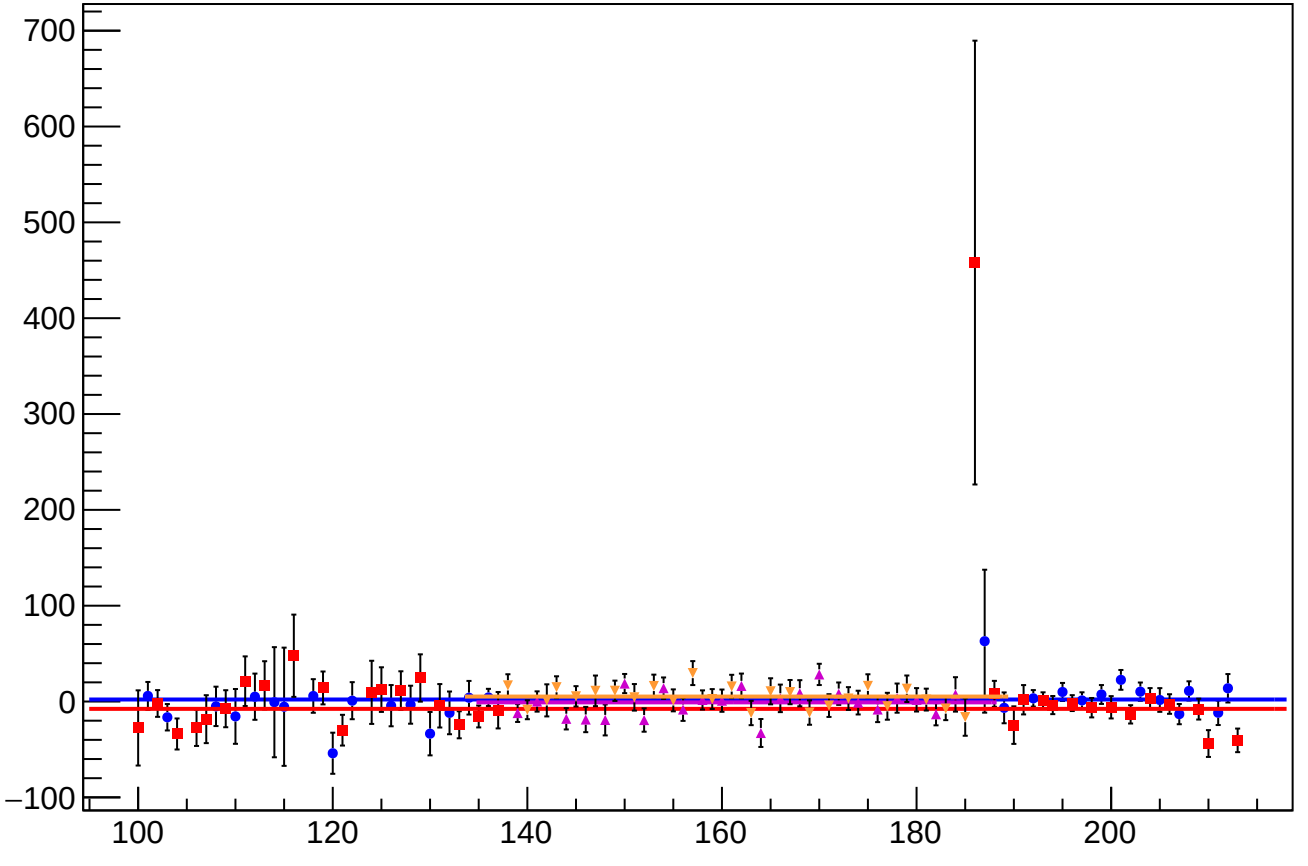
Right: 14599.456+/-1.799 χ^2/NDF: 6551395.0/62

In: 8750.496+/-1.112 χ^2/NDF:9097198.0/51

Out: 8773.139+/-1.084 χ^2/NDF:10996411.4/58

All: 8762.097+/-0.776 χ^2/NDF: 20093822.0/

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 2.116+/-2.517 χ^2/NDF: 23.7/28

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

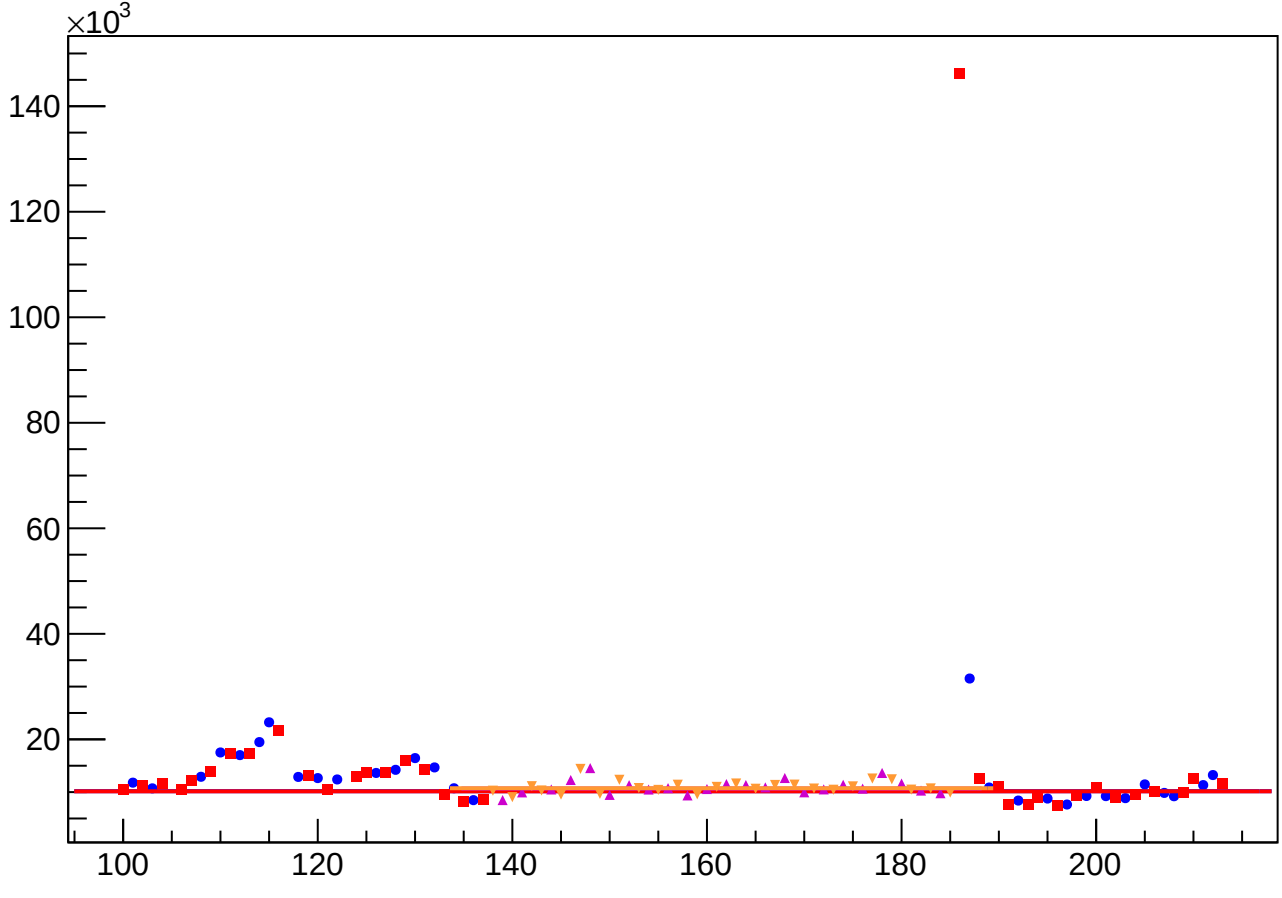
Right: -2.954+/-1.746 χ^2/NDF: 72.6/62

In: 0.613+/-1.780 χ^2/NDF:56.2/51

Out: -1.330+/-1.726 χ^2/NDF:73.2/58

All: -0.388+/-1.239 χ^2/NDF: 130.1/110

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 10173.469+/-1.780 χ^2/NDF: 1732007.8/28

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

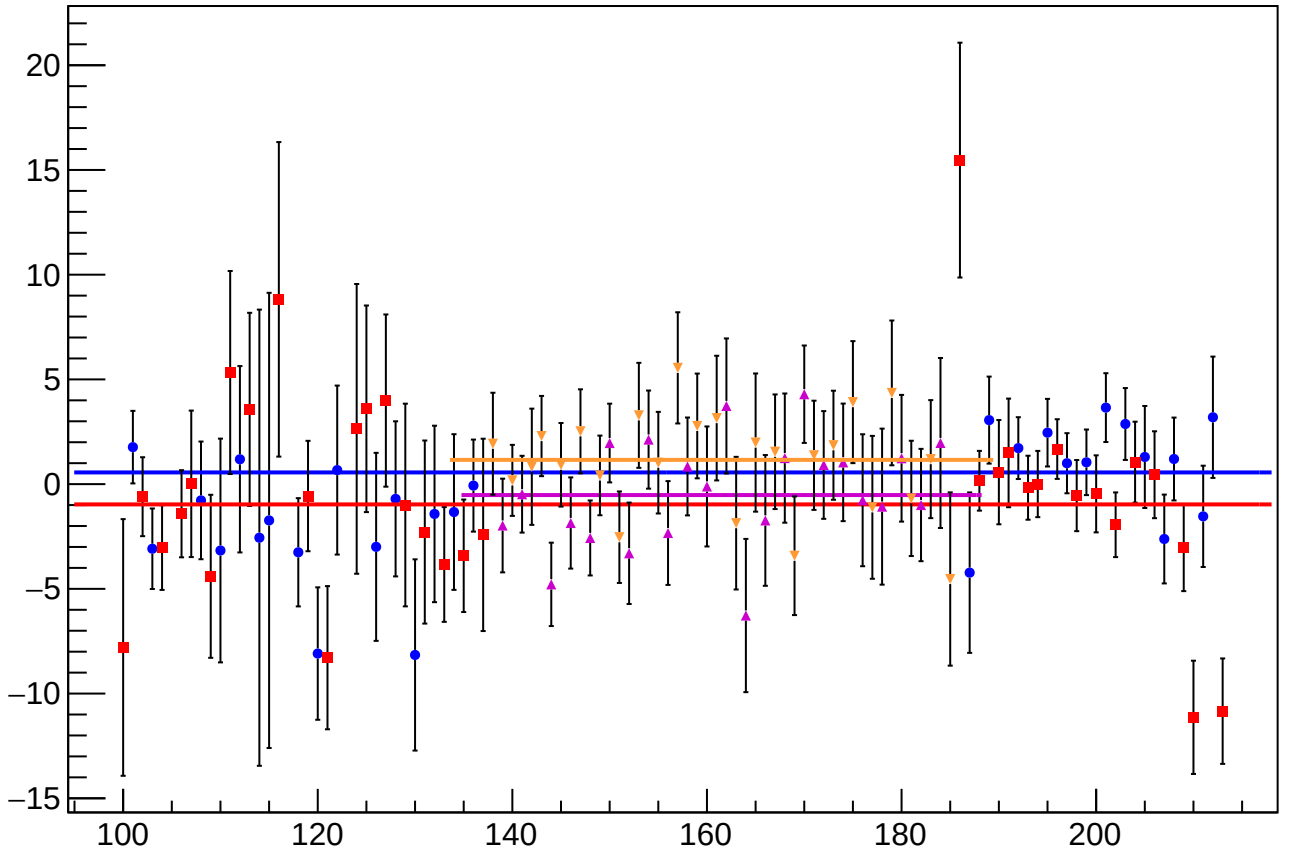
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10162.161+/-1.235 χ^2/NDF: 4123080.9/62

In: 10425.184+/-1.259 χ^2/NDF:2272599.7/51

Out: 10438.566+/-1.221 χ^2/NDF:2816108.5/58

All: 10432.081+/-0.876 χ^2/NDF: 5088766.5/1



Right In: 0.558+/-0.433 χ^2/NDF: 34.1/28

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

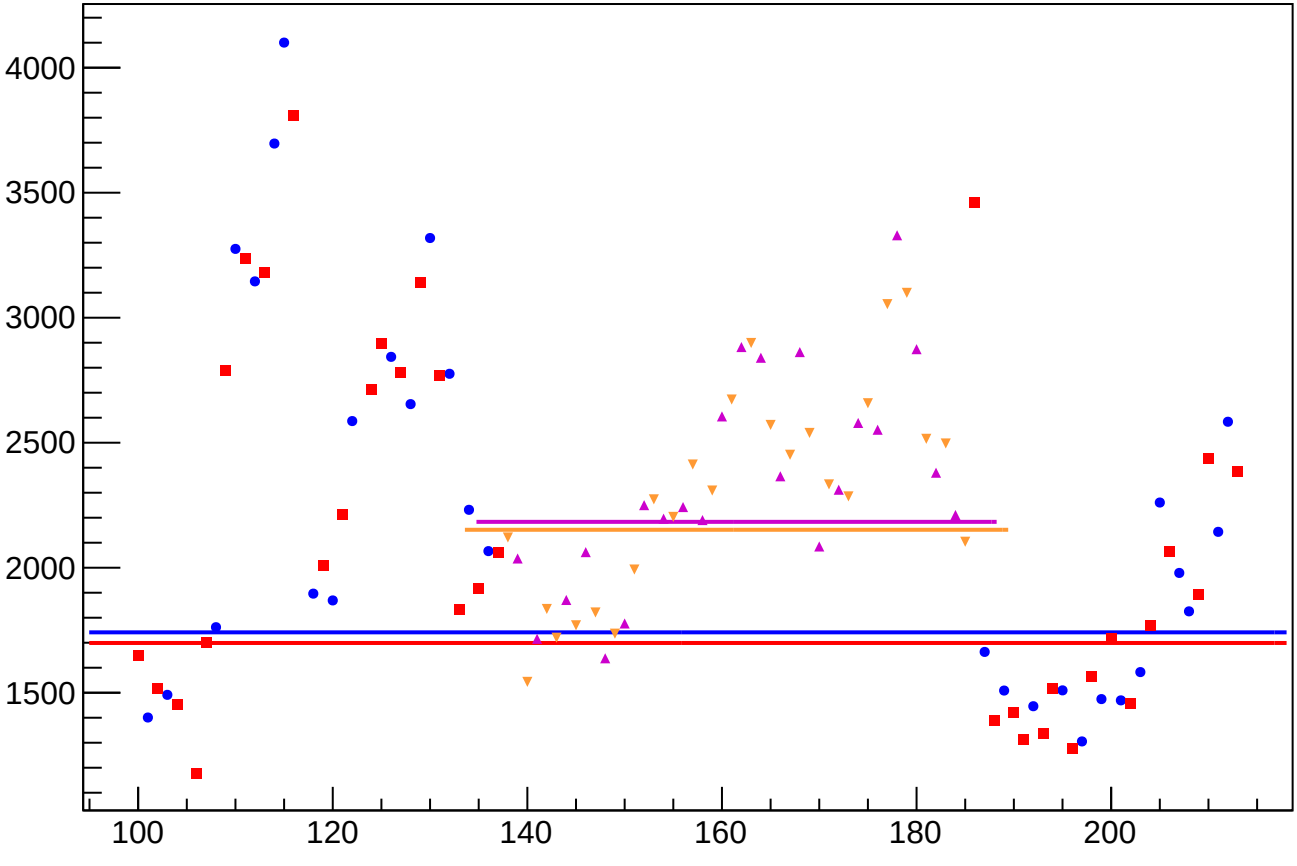
Right: -0.253+/-0.296 χ^2/NDF: 104.8/62

In: 0.116+/-0.333 χ^2/NDF:59.0/51

Out: -0.122+/-0.315 χ^2/NDF:91.8/58

All: -0.010+/-0.229 χ^2/NDF: 151.1/110

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1741.506+/-0.306 χ^2/NDF: 2218586.0/28

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

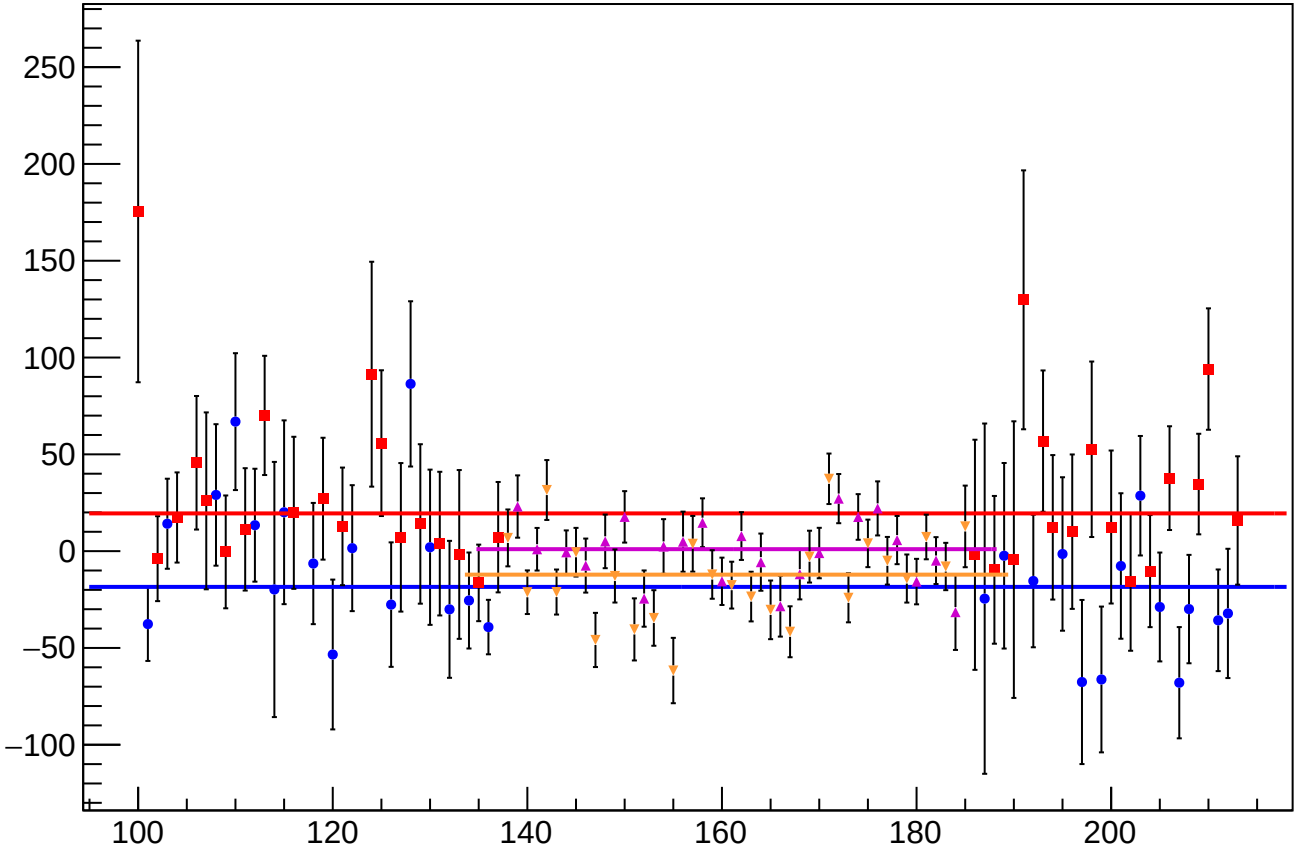
Right: 1718.918+/-0.210 χ^2/NDF: 4942877.1/62

In: 1922.526+/-0.235 χ^2/NDF:4234376.0/51

Out: 1879.160+/-0.223 χ^2/NDF:5050413.6/58

All: 1899.692+/-0.162 χ^2/NDF: 9302680.4/11

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -18.464+/-5.641 χ^2/NDF: 32.0/28

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

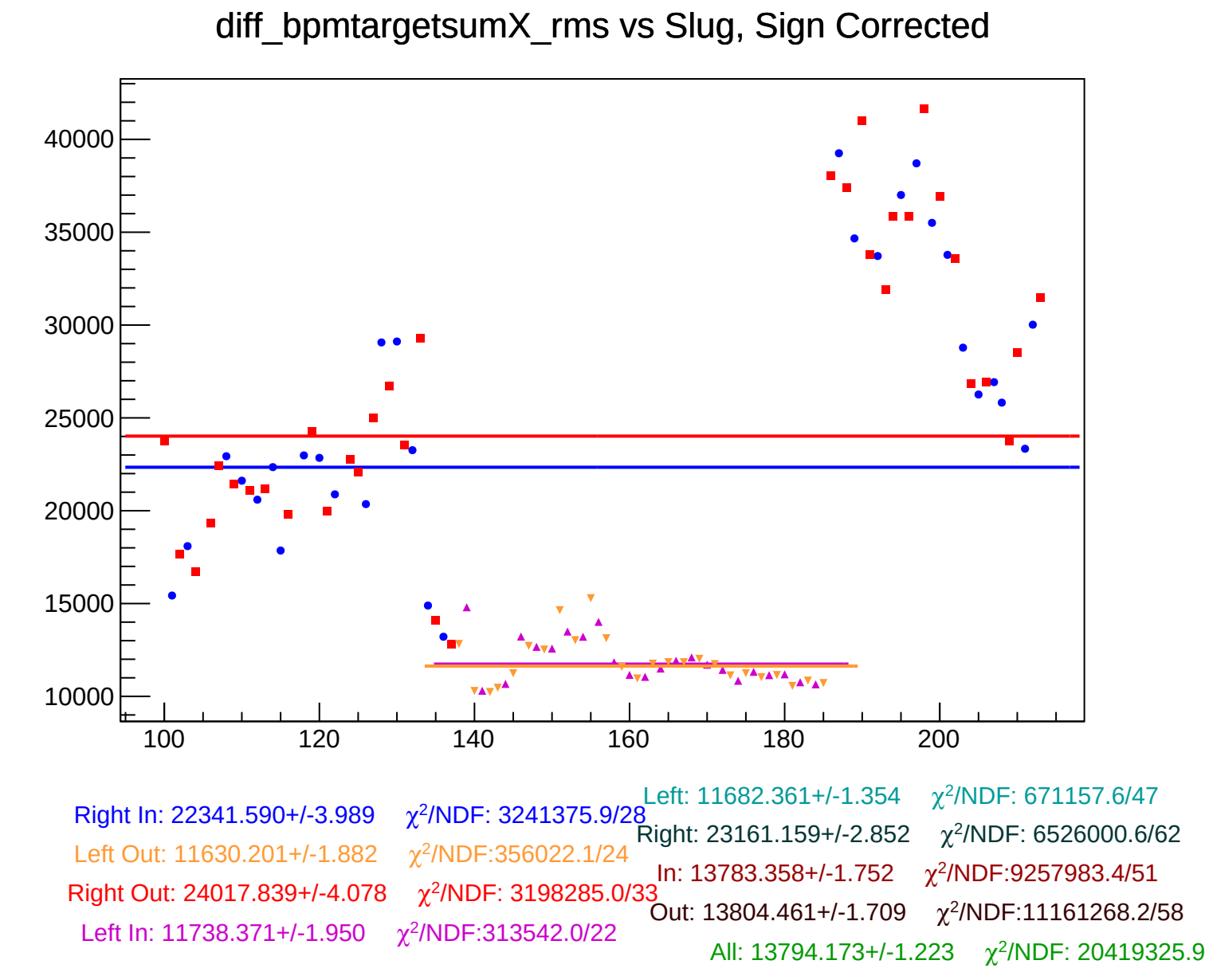
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

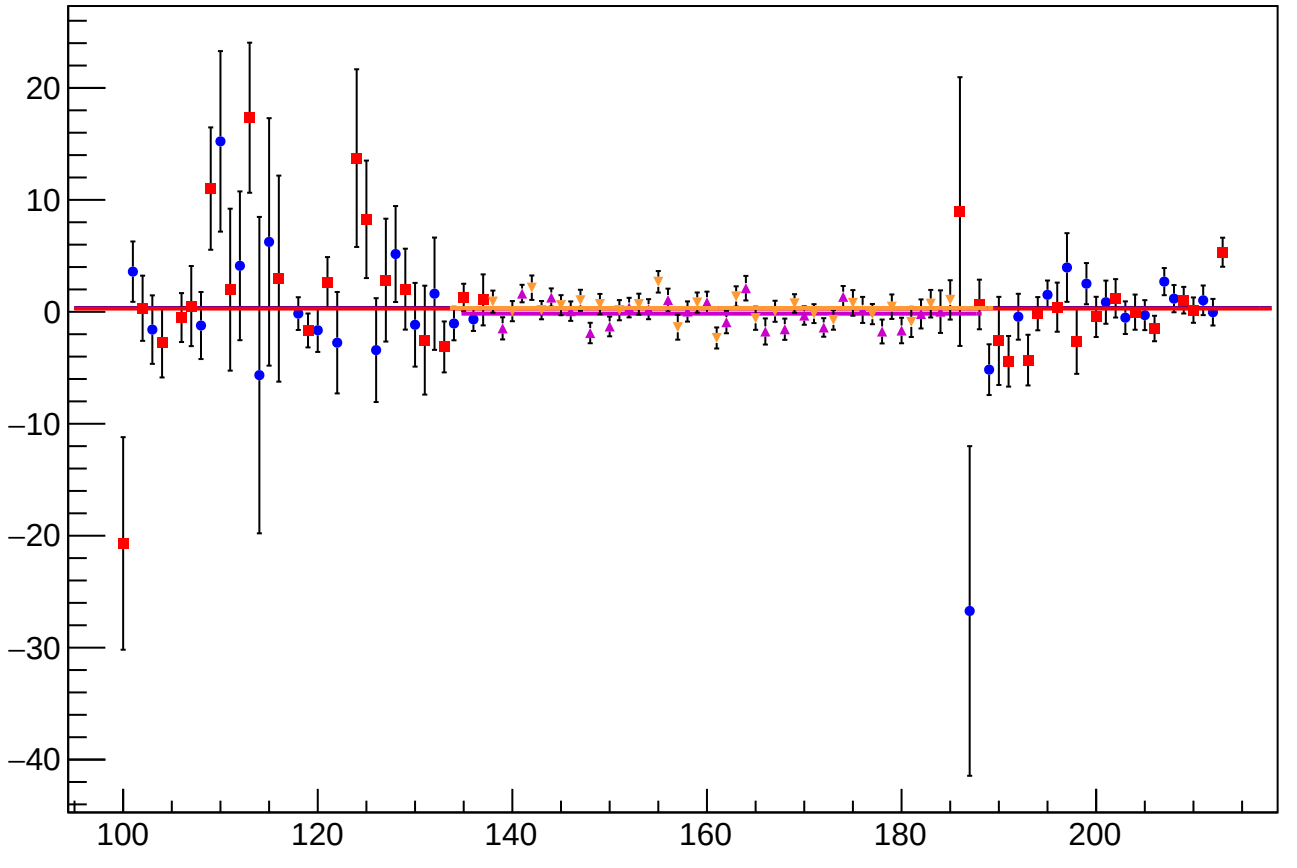
Right: 0.096+/-4.033 χ^2/NDF: 82.6/62

In: -2.735+/-2.477 χ^2/NDF:70.4/51

Out: -6.583+/-2.416 χ^2/NDF:115.9/58

All: -4.707+/-1.730 χ^2/NDF: 187.5/110


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 22341.590+/-3.989 χ²/NDF: 3241375.9/28
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 24017.839+/-4.078 χ²/NDF: 3198285.0/33
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 23161.159+/-2.852 χ²/NDF: 6526000.6/62
In: 13783.358+/-1.752 χ²/NDF:9257983.4/51
Out: 13804.461+/-1.709 χ²/NDF:11161268.2/58
All: 13794.173+/-1.223 χ²/NDF: 20419325.9



Right In: 0.341+/-0.350 χ^2/NDF: 30.3/28

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.293+/-0.357 χ^2/NDF: 57.2/33

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

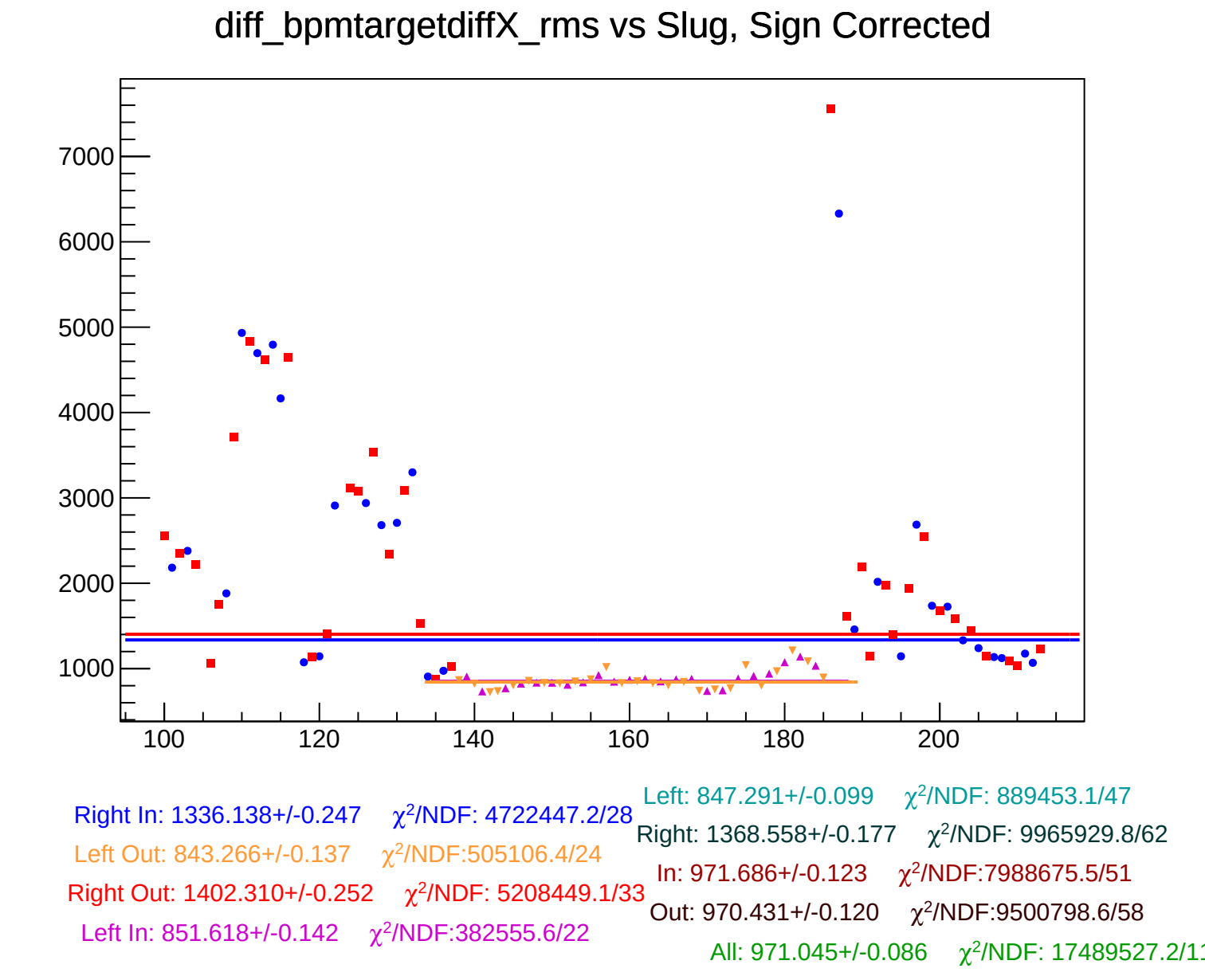
Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

Right: 0.318+/-0.250 χ^2/NDF: 87.5/62

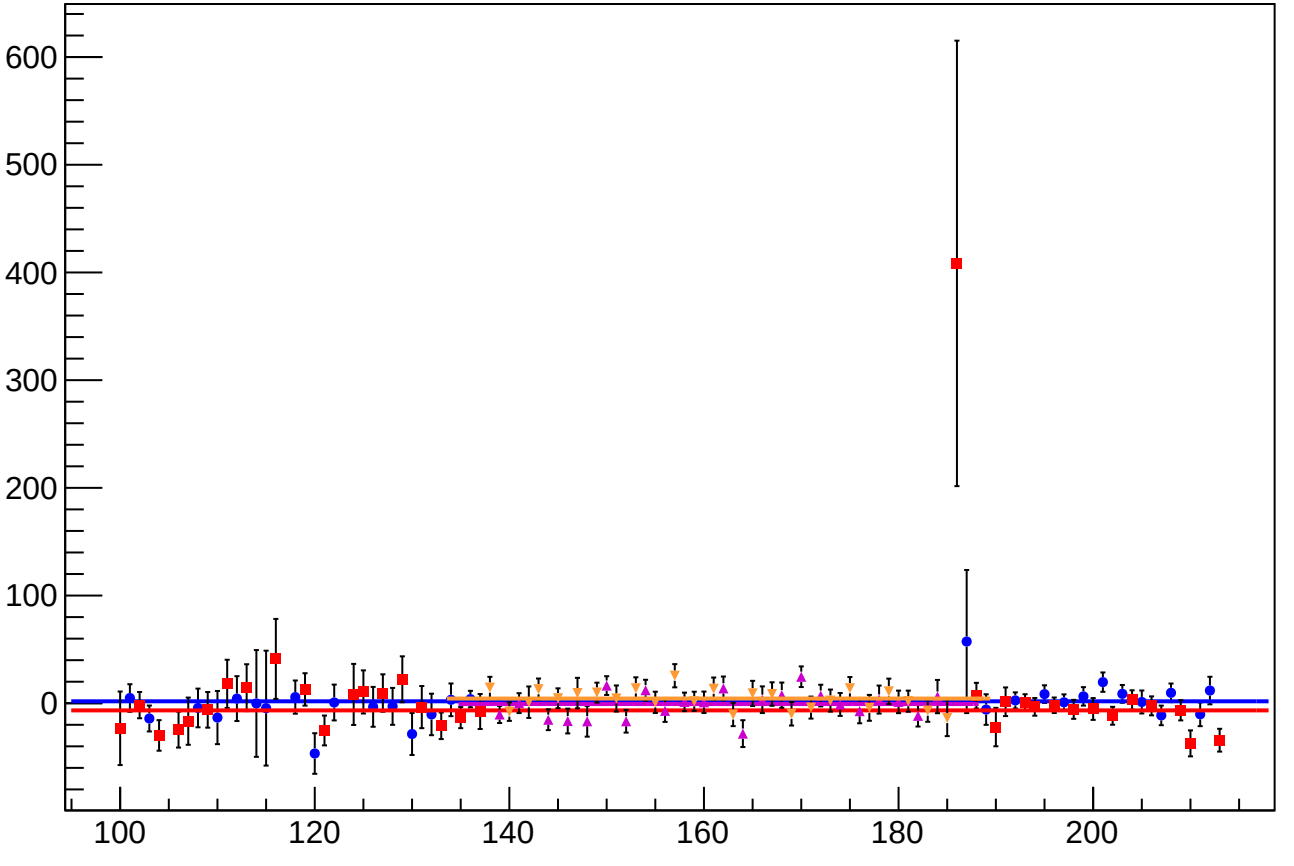
In: -0.040+/-0.174 χ^2/NDF:68.2/51

Out: 0.332+/-0.170 χ^2/NDF:84.0/58

All: 0.150+/-0.122 χ^2/NDF: 154.5/110


diff_bpmtargetdiffX_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1336.138+/-0.247 χ²/NDF: 4722447.2/28
Left Out: 843.266+/-0.137 χ²/NDF:505106.4/24
Right Out: 1402.310+/-0.252 χ²/NDF: 5208449.1/33
Left In: 851.618+/-0.142 χ²/NDF:382555.6/22
Left: 847.291+/-0.099 χ²/NDF: 889453.1/47
Right: 1368.558+/-0.177 χ²/NDF: 9965929.8/62
In: 971.686+/-0.123 χ²/NDF:7988675.5/51
Out: 970.431+/-0.120 χ²/NDF:9500798.6/58
All: 971.045+/-0.086 χ²/NDF: 17489527.2/1

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 1.811+/-2.181 χ^2/NDF: 23.4/28

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

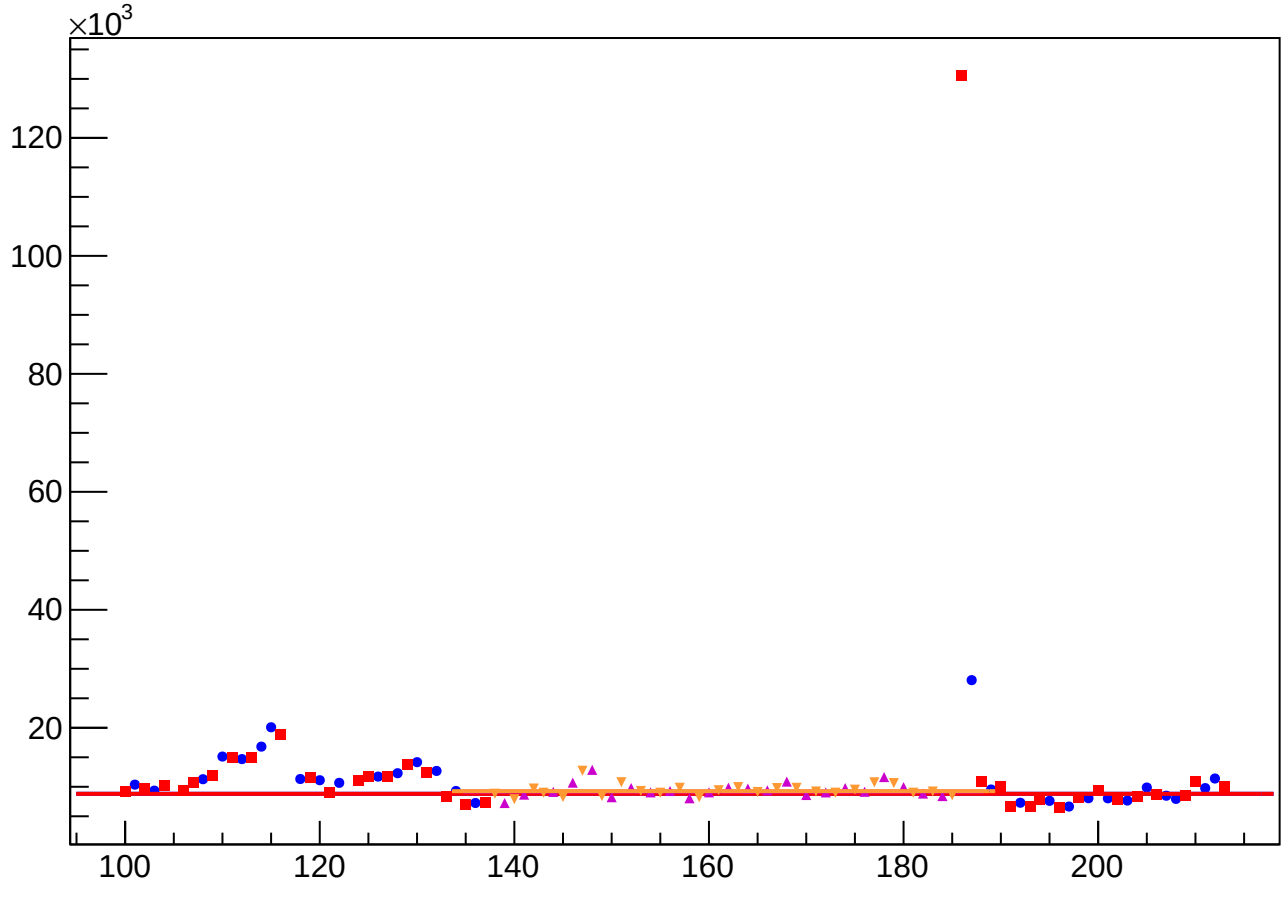
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -2.559+/-1.514 χ^2/NDF: 71.5/62

In: 0.532+/-1.539 χ^2/NDF:56.1/51

Out: -1.167+/-1.494 χ^2/NDF:72.5/58

All: -0.343+/-1.072 χ^2/NDF: 129.3/110



Right In: 8814.288+/-1.543 χ^2/NDF: 1738358.3/28

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

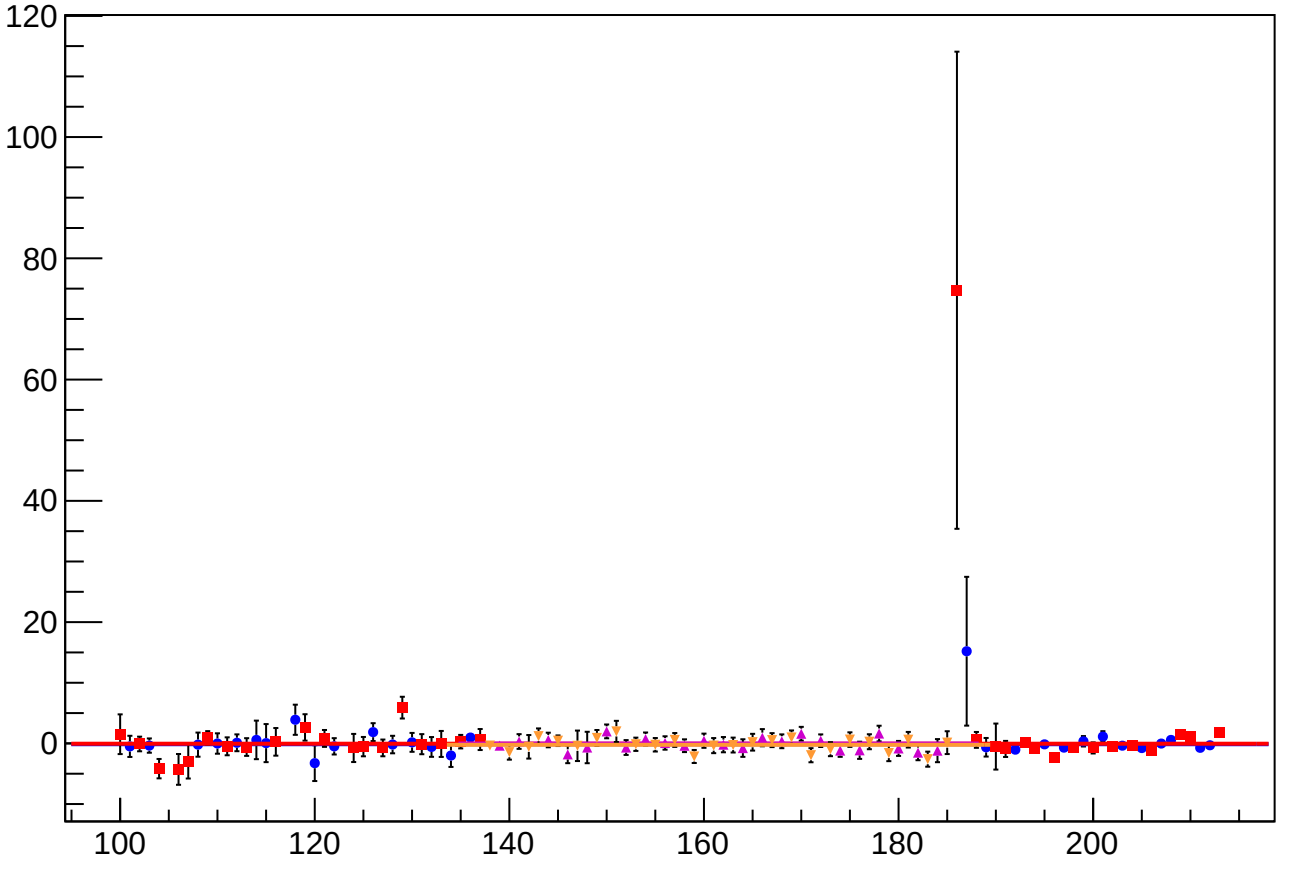
Right: 8809.837+/-1.071 χ^2/NDF: 4128480.9/62

In: 9007.875+/-1.088 χ^2/NDF:2285199.8/51

Out: 9031.643+/-1.056 χ^2/NDF:2802741.9/58

All: 9020.111+/-0.758 χ^2/NDF: 5088187.4/11

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.138+/-0.188 χ^2/NDF: 17.8/28

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

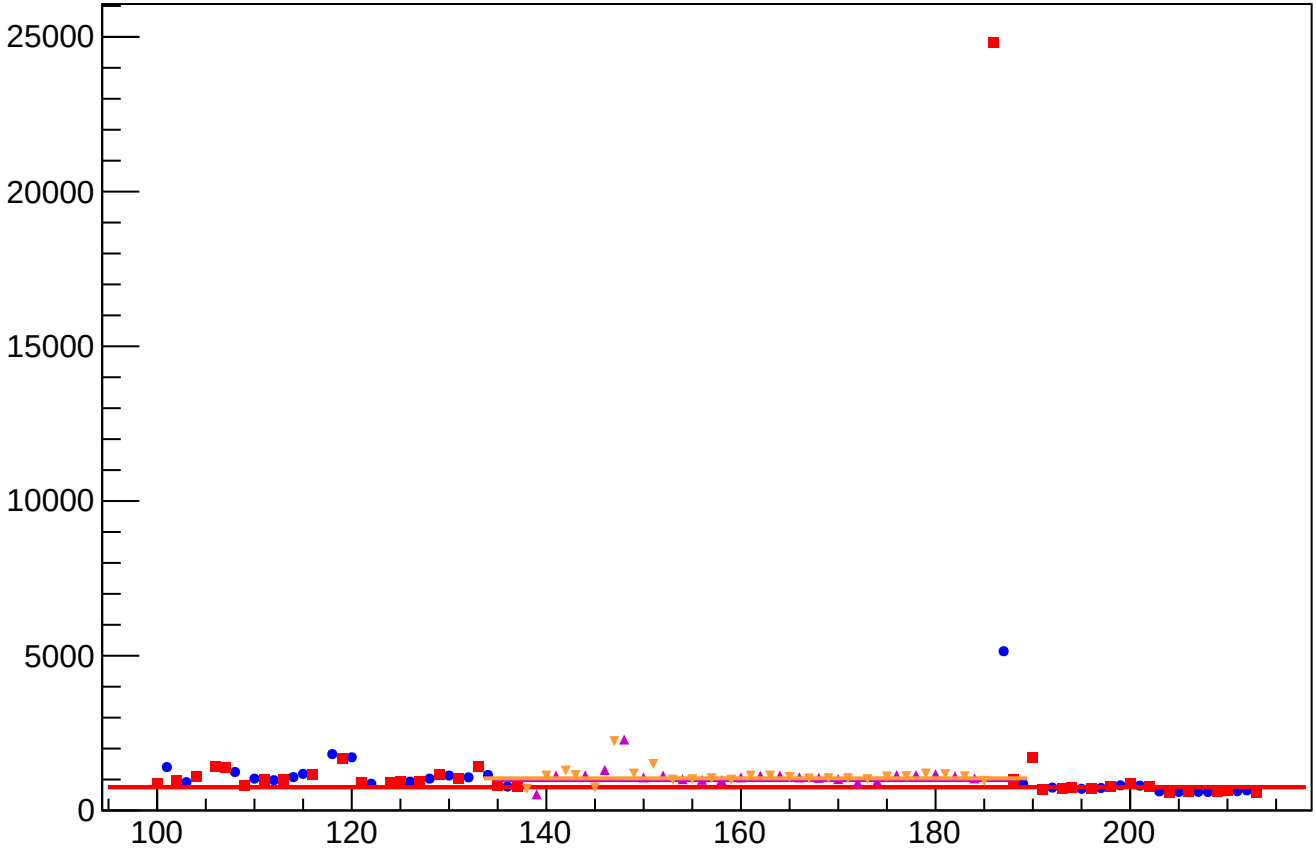
Right: -0.095+/-0.132 χ^2/NDF: 77.9/62

In: -0.095+/-0.148 χ^2/NDF:33.1/51

Out: -0.117+/-0.147 χ^2/NDF:79.3/58

All: -0.106+/-0.104 χ^2/NDF: 112.5/110

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 748.137+/-0.133 χ^2/NDF: 2419460.3/28

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: 753.372+/-0.093 χ^2/NDF: 5312710.3/62

In: 837.202+/-0.104 χ^2/NDF:5824924.5/51

Out: 860.883+/-0.104 χ^2/NDF:5923482.9/58

All: 849.097+/-0.074 χ^2/NDF: 11774245.8/1

yield_cav4bX_mean vs Slug, Sign Corrected

Right In: 139.336+/-0.000 χ^2/NDF: 64320866358.8/28

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

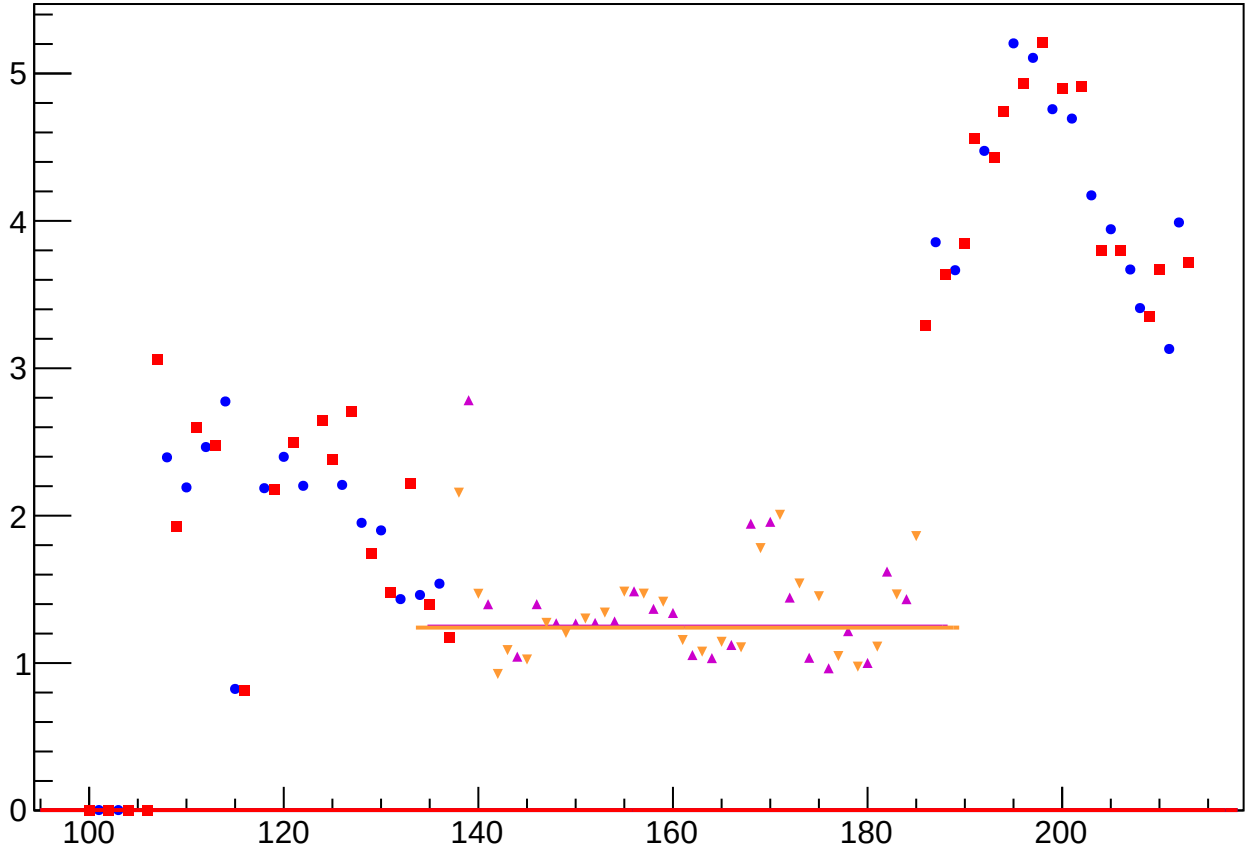
Right: 131.818+/-0.000 χ^2/NDF: 793038303610577

In: 139.328+/-0.000 χ^2/NDF:318719016448.0/51

Out: 125.384+/-0.000 χ^2/NDF:774420005051323.

All: 131.810+/-0.000 χ^2/NDF: 79352071506

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 29324707.0/28

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

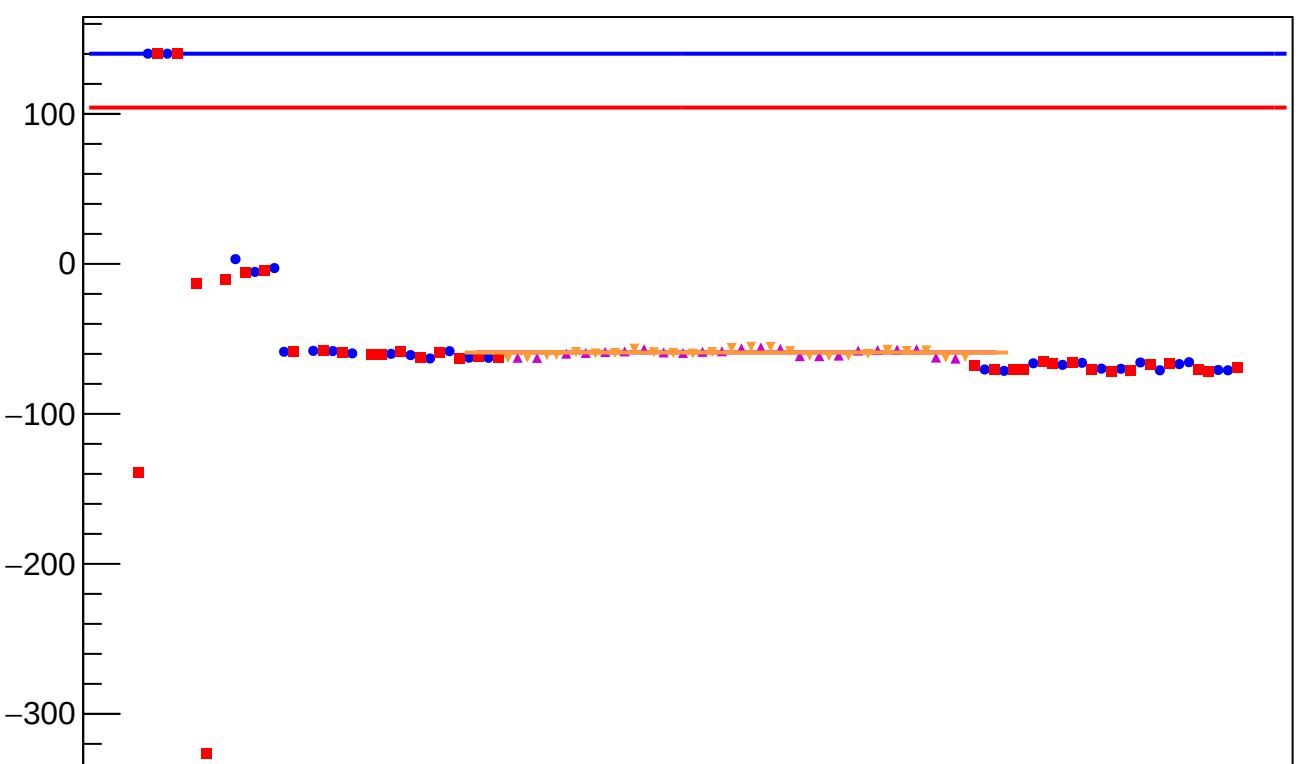
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 61368569.1/62

In: 0.003+/-0.000 χ^2/NDF:59089860.8/51

Out: 0.003+/-0.000 χ^2/NDF:63343437.4/58

All: 0.003+/-0.000 χ^2/NDF: 122433561.0/110



Right In: 140.135+/-0.000 χ^2/NDF: 499839598025.9/28

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

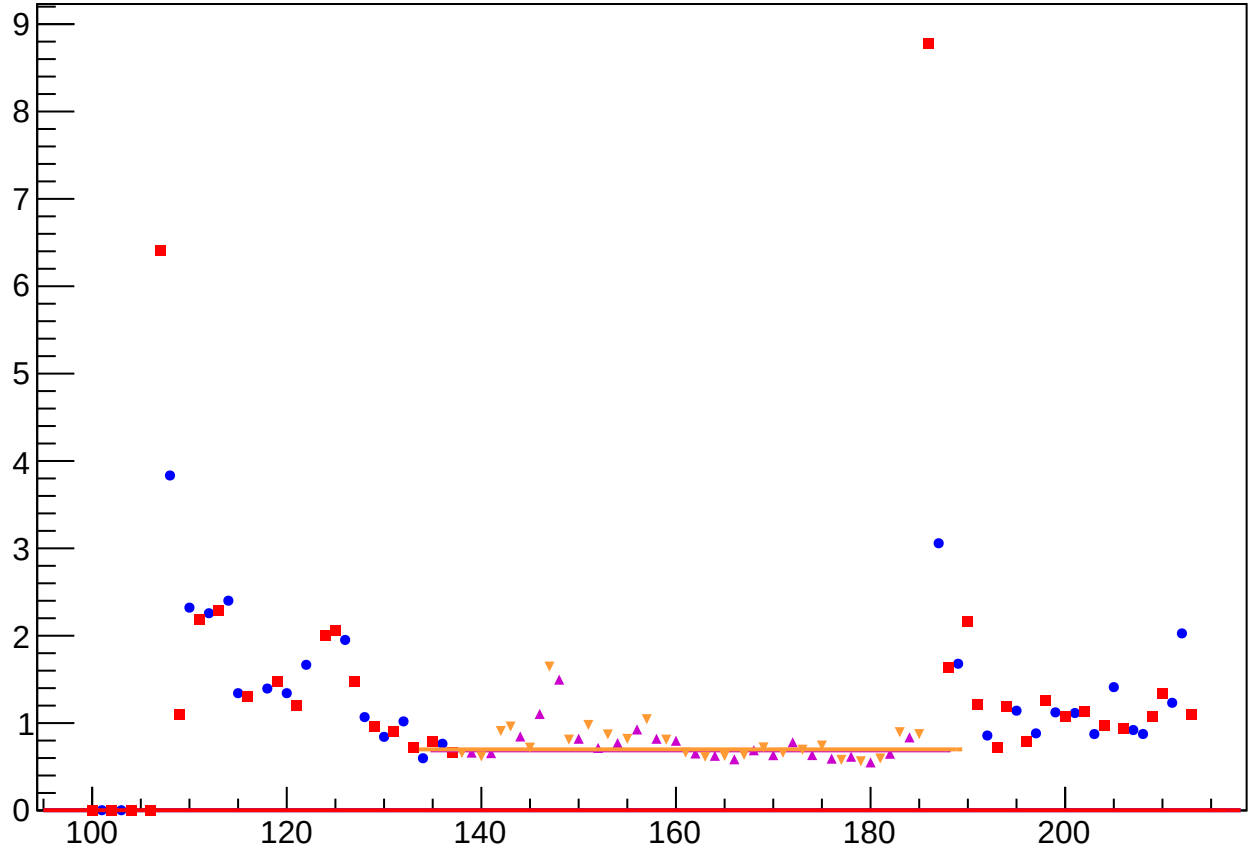
Right: 120.824+/-0.000 χ^2/NDF: 138145326336677

In: 140.099+/-0.000 χ^2/NDF:1775335735388.4/51

Out: 104.191+/-0.000 χ^2/NDF:1258523529890472

All: 120.794+/-0.000 χ^2/NDF: 13835512739

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 27037875.0/28

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

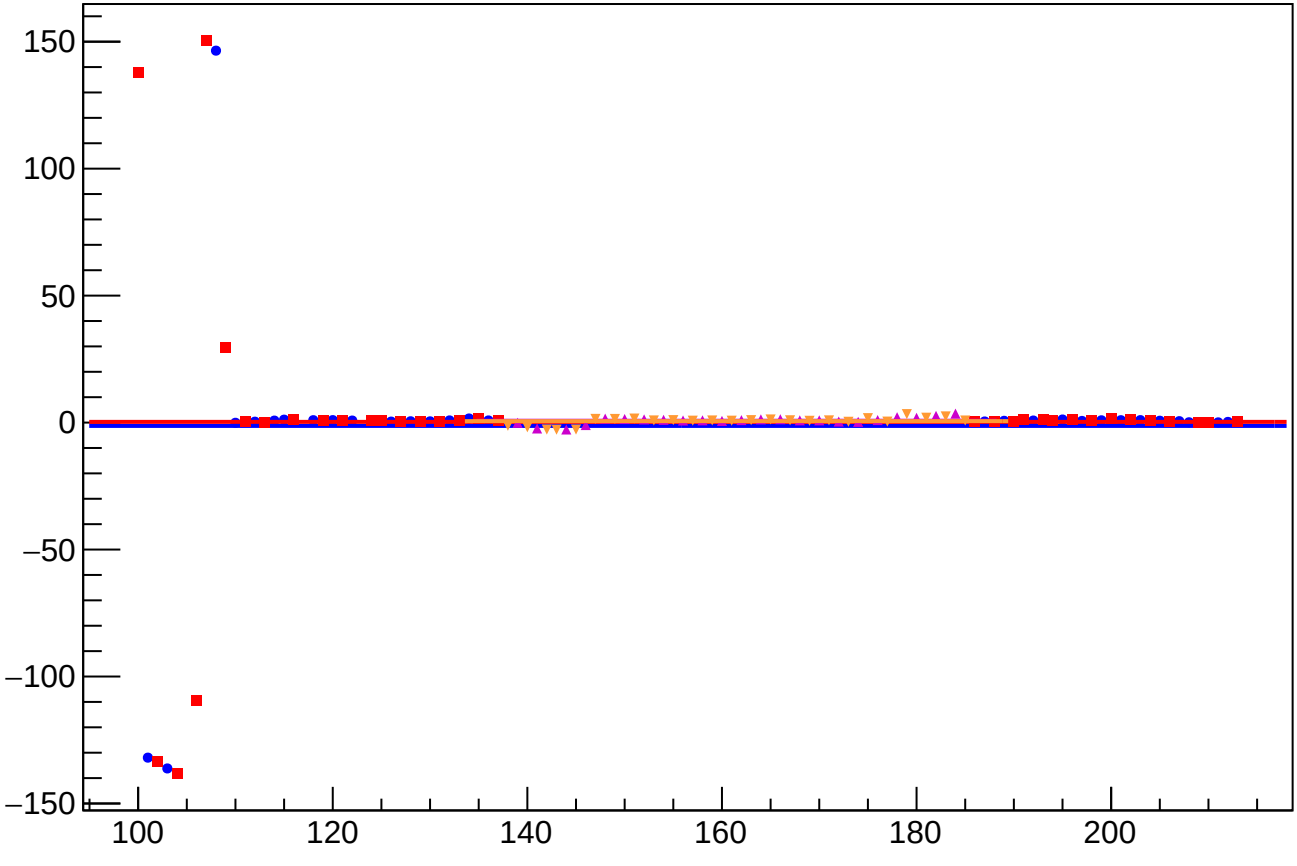
Right: 0.003+/-0.000 χ^2/NDF: 56760989.7/62

In: 0.003+/-0.000 χ^2/NDF:58341069.7/51

Out: 0.003+/-0.000 χ^2/NDF:62777270.8/58

All: 0.003+/-0.000 χ^2/NDF: 121118759.5/110

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.310+/-0.000 χ^2/NDF: 9907204356.3/28

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

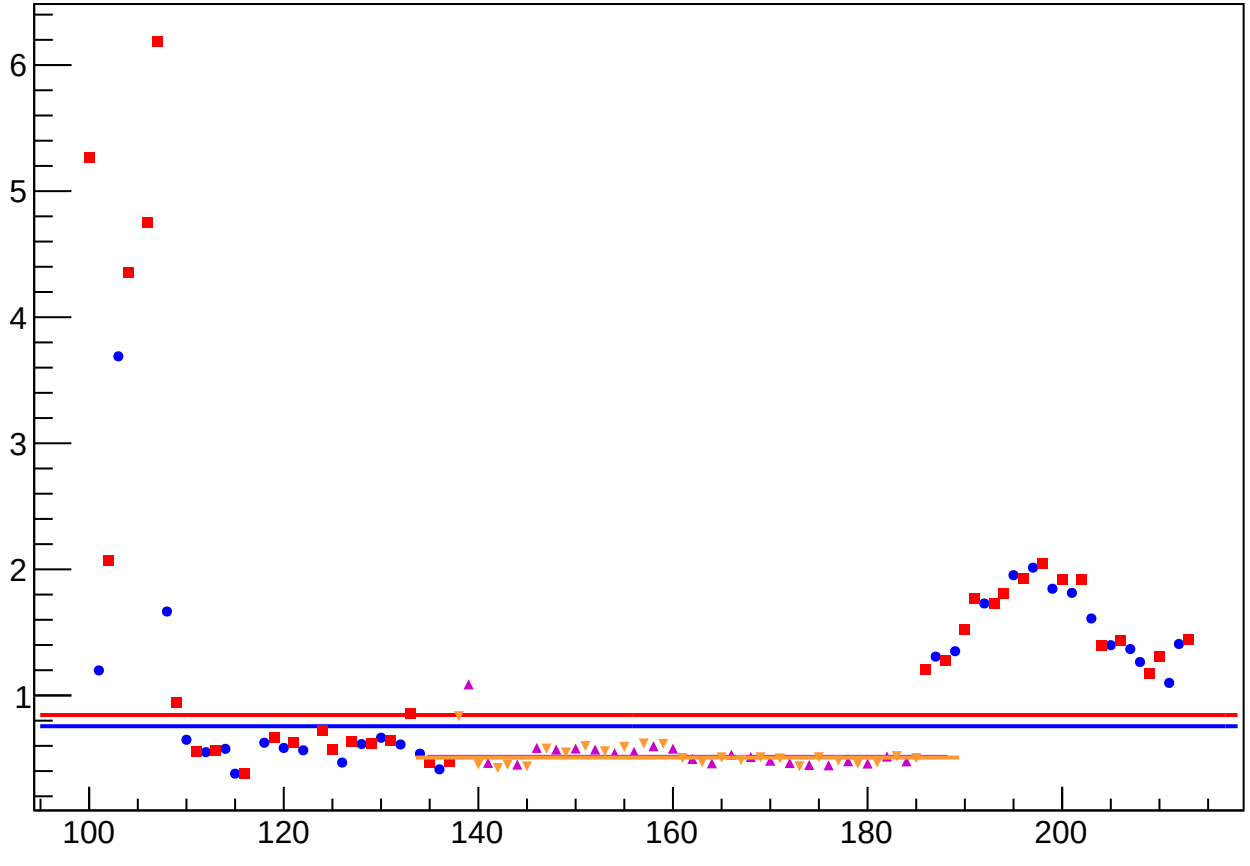
Right: -0.560+/-0.000 χ^2/NDF: 13544673563.5/62

In: 0.185+/-0.000 χ^2/NDF:10074949573.9/51

Out: 0.508+/-0.000 χ^2/NDF:3768517075.8/58

All: 0.349+/-0.000 χ^2/NDF: 13847519616.0/1

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.756+/-0.000 χ^2/NDF: 8055510.6/28

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

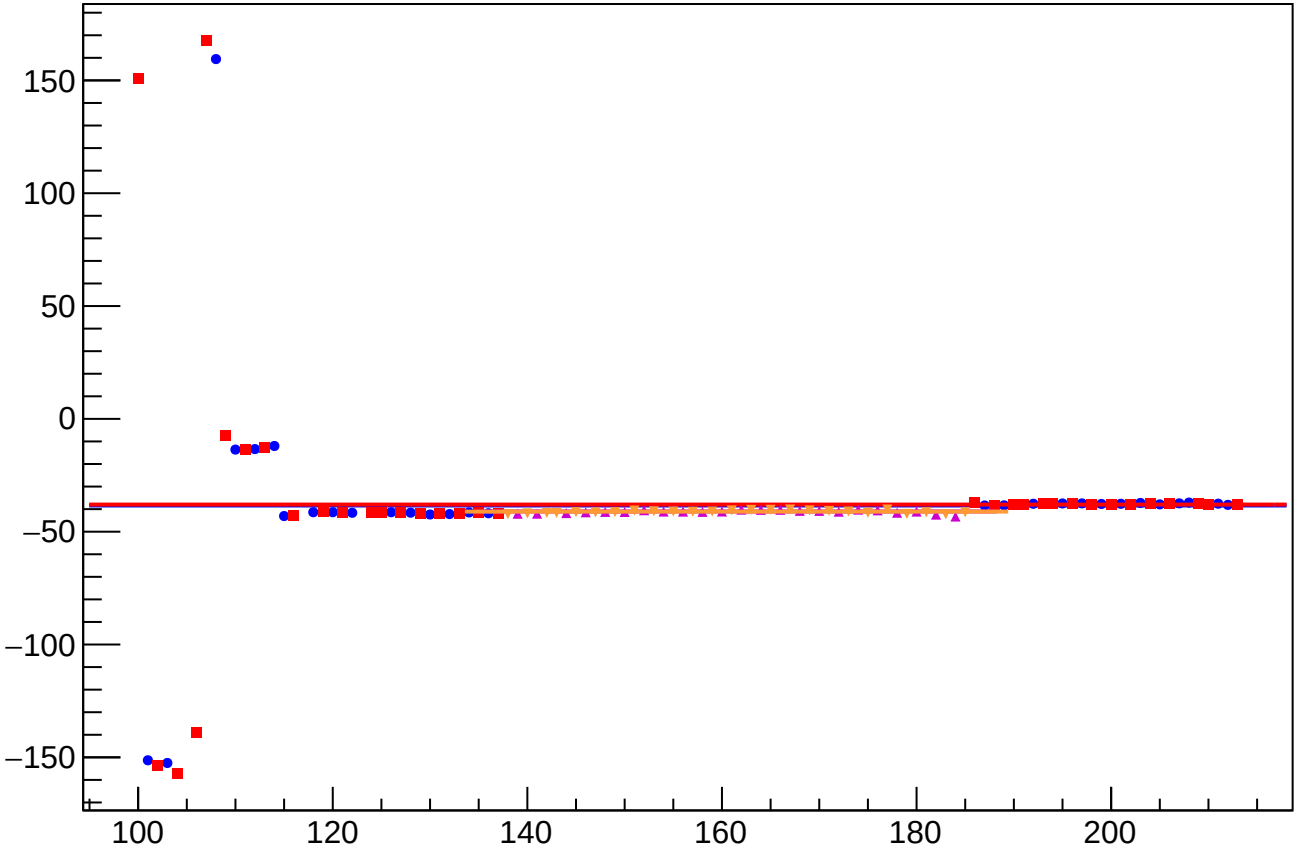
Right: 0.798+/-0.000 χ^2/NDF: 17007774.8/62

In: 0.578+/-0.000 χ^2/NDF:10582536.5/51

Out: 0.585+/-0.000 χ^2/NDF:12551668.1/58

All: 0.581+/-0.000 χ^2/NDF: 23137877.7/110

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.378+/-0.000 χ^2/NDF: 3619476641.4/28

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

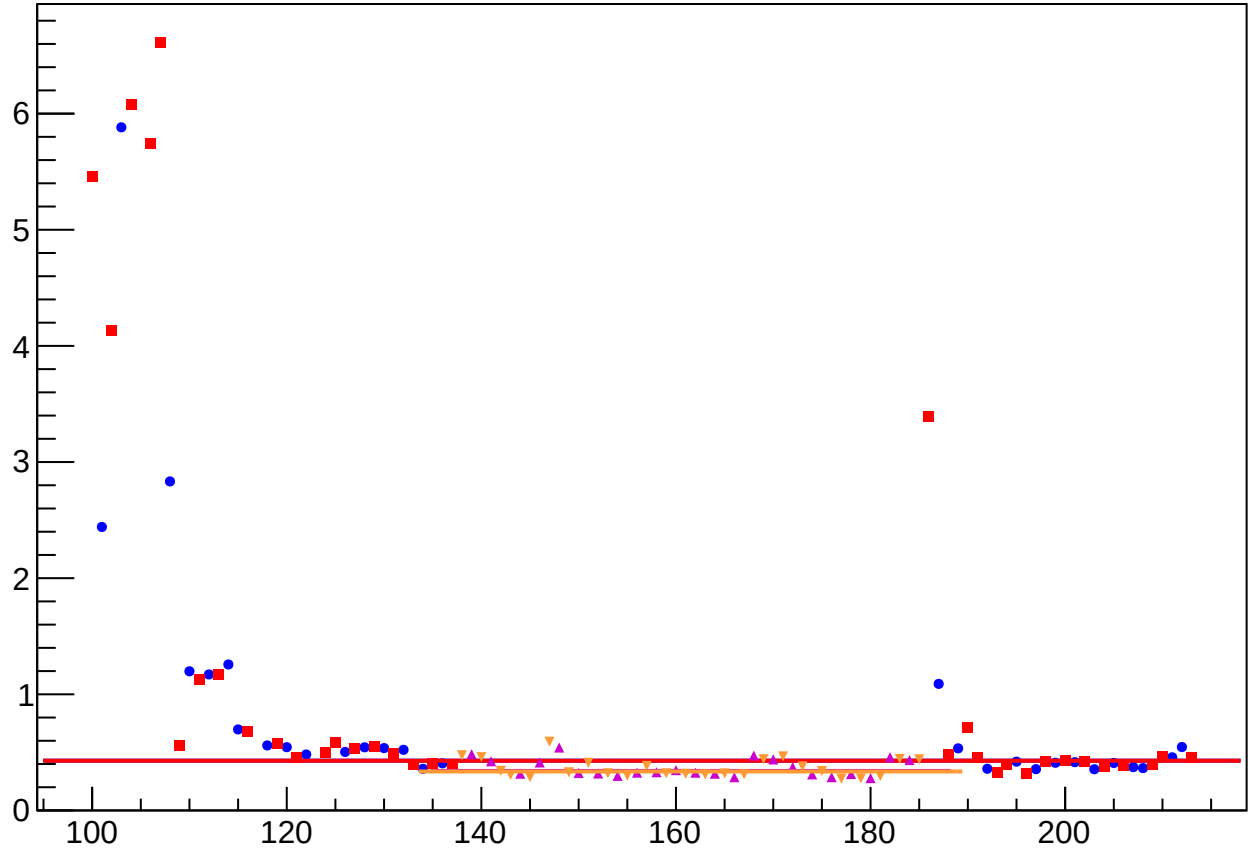
Right: -38.170+/-0.000 χ^2/NDF: 6140377281.1/62

In: -40.111+/-0.000 χ^2/NDF:4024081642.1/51

Out: -40.021+/-0.000 χ^2/NDF:3100207742.0/58

All: -40.064+/-0.000 χ^2/NDF: 7125223301.7/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.429+/-0.000 χ^2/NDF: 3815875.7/28

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

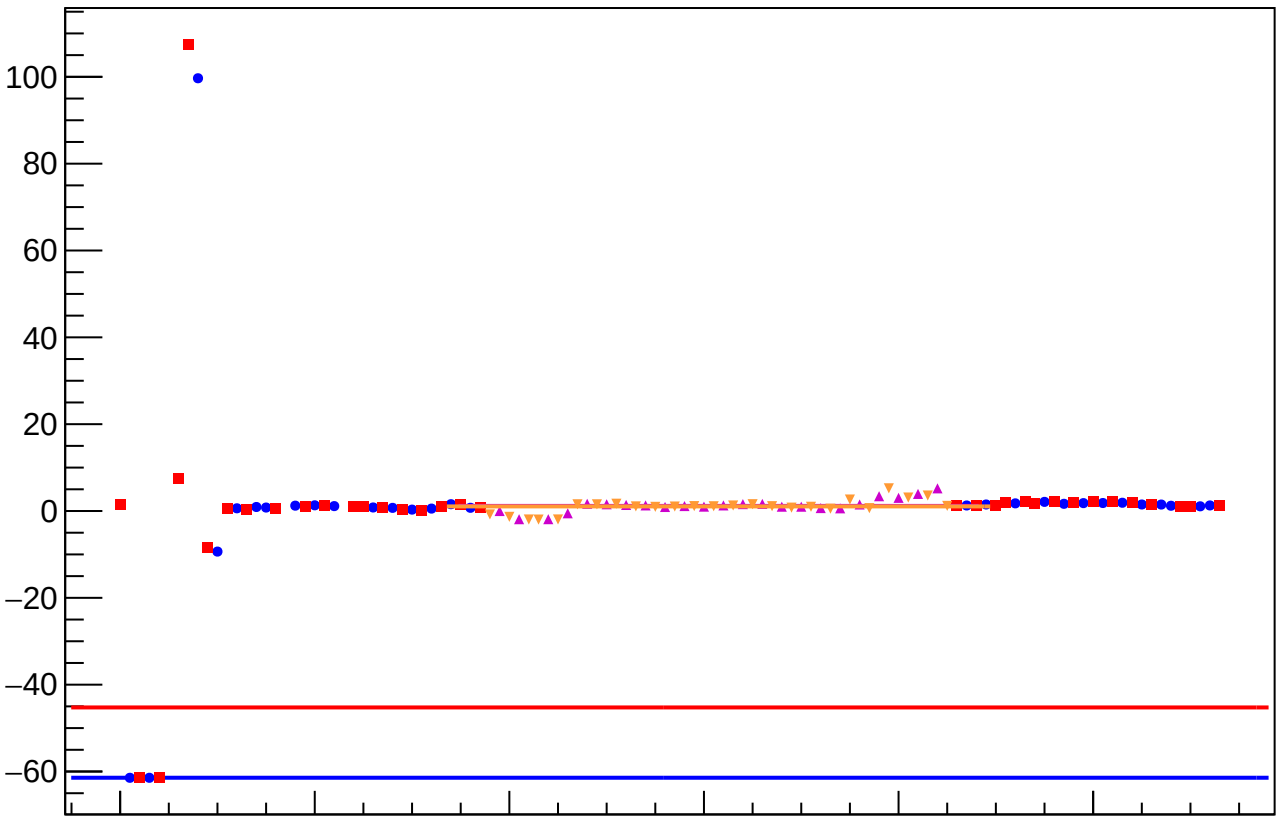
Right: 0.428+/-0.000 χ^2/NDF: 8521488.3/62

In: 0.371+/-0.000 χ^2/NDF:5668520.2/51

Out: 0.367+/-0.000 χ^2/NDF:6868093.5/58

All: 0.369+/-0.000 χ^2/NDF: 12539398.2/110

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.435+/-0.000 χ^2/NDF: 296865184910.6/28

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

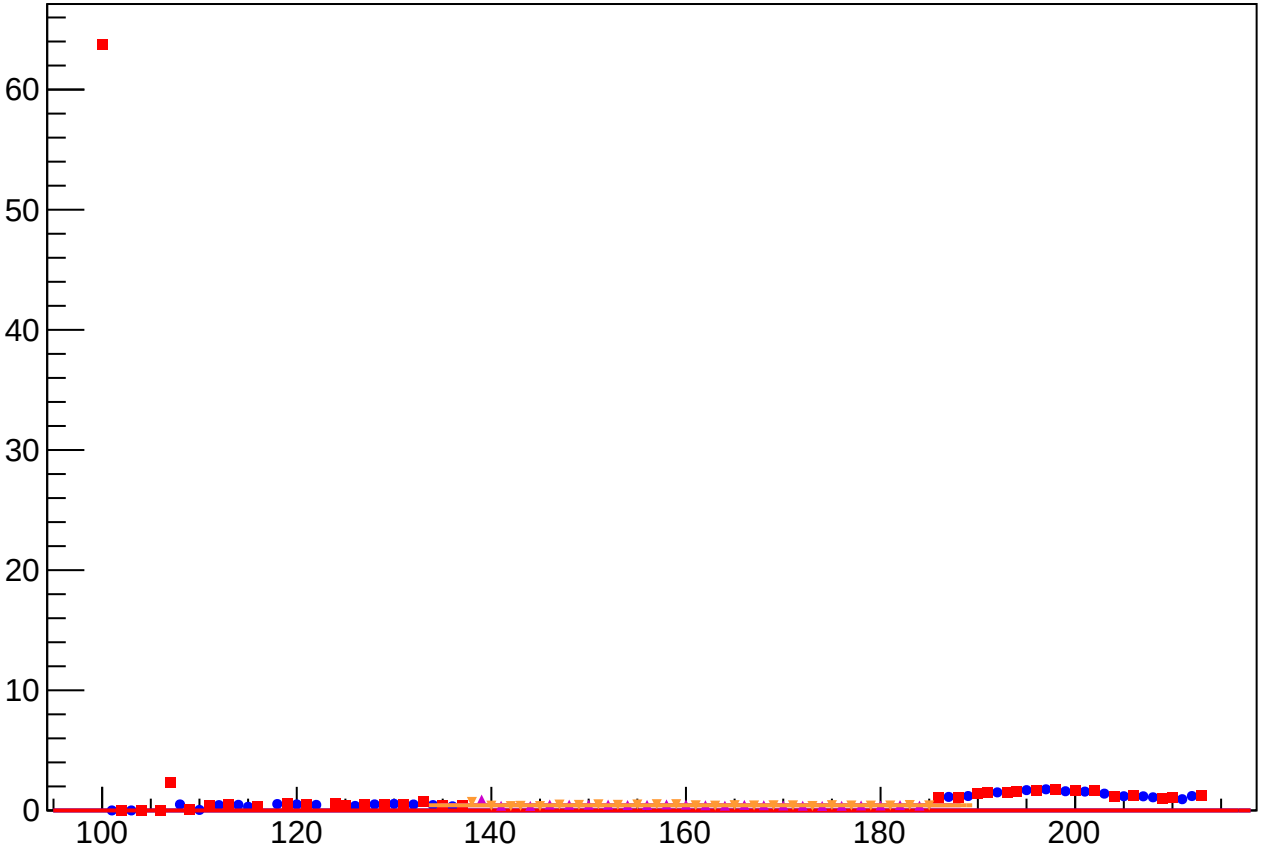
Right: -52.748+/-0.000 χ^2/NDF: 409158413623910

In: -61.422+/-0.000 χ^2/NDF:599722297712.6/51

Out: -45.235+/-0.000 χ^2/NDF:358065815642700.9

All: -52.737+/-0.000 χ^2/NDF: 409627815552

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 28894671.7/28

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

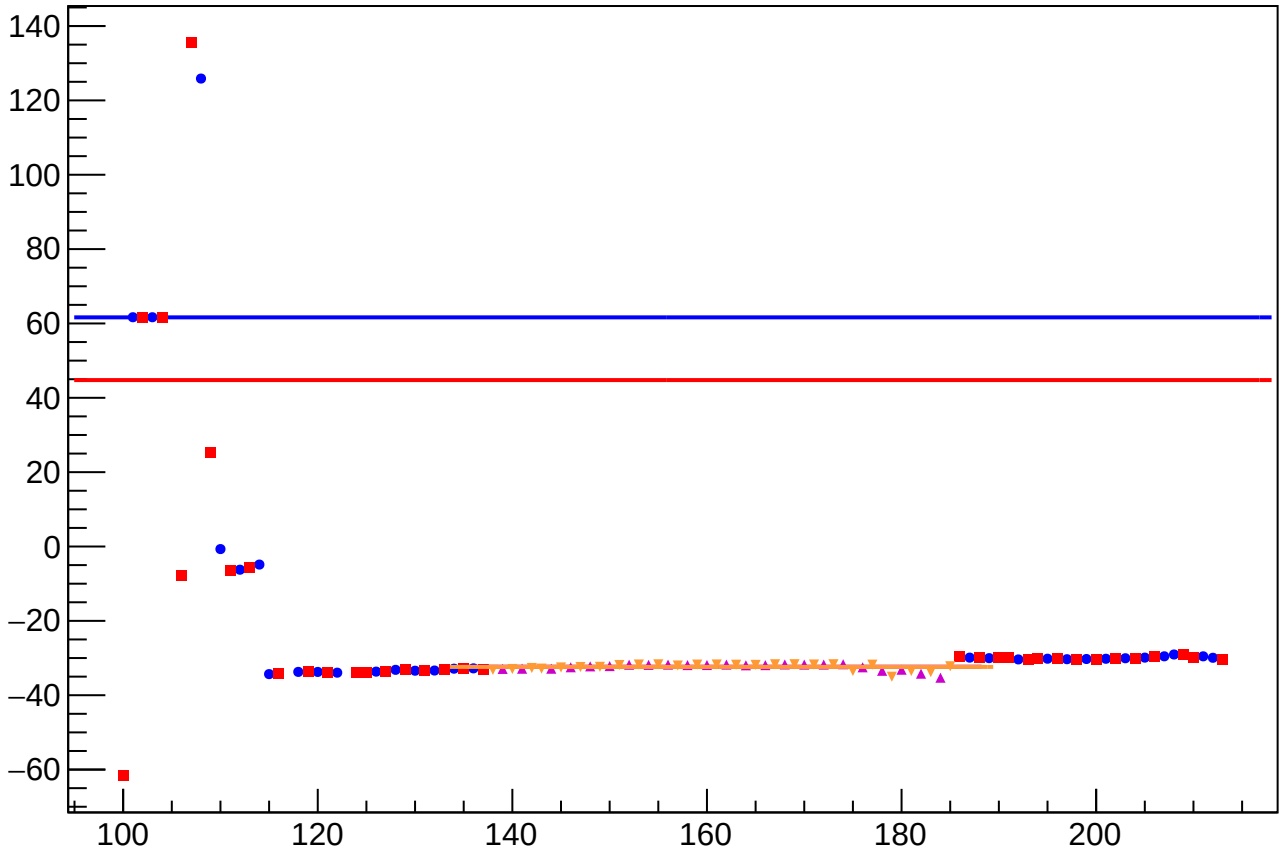
Right: 0.001+/-0.000 χ^2/NDF: 60574045.0/62

In: 0.002+/-0.000 χ^2/NDF:59034044.8/51

Out: 0.002+/-0.000 χ^2/NDF:63443570.8/58

All: 0.002+/-0.000 χ^2/NDF: 122477651.5/110

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.639+/-0.000 χ^2/NDF: 1084745263022.9/28

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

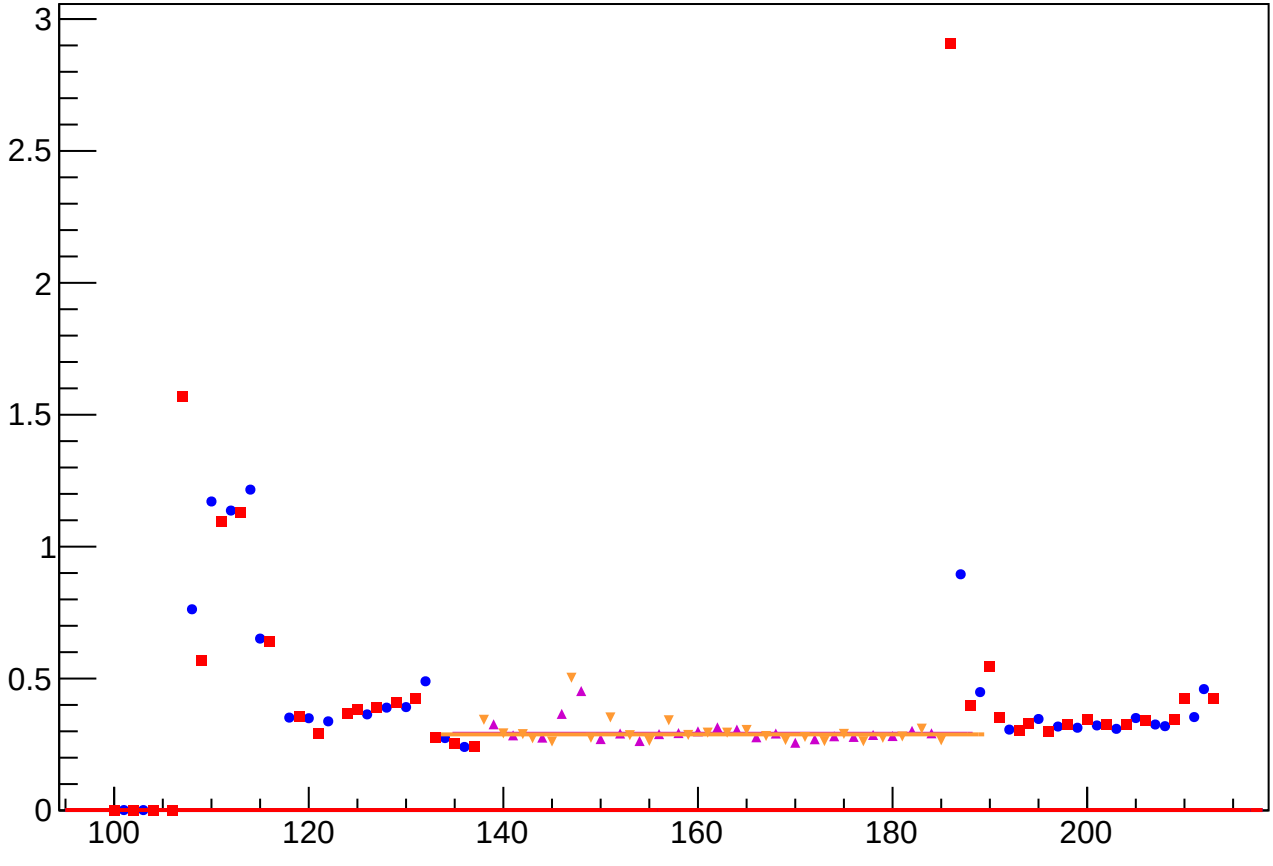
Right: 52.669+/-0.000 χ^2/NDF: 418762415946086.4

In: 61.581+/-0.000 χ^2/NDF:2907726490518.3/51

Out: 44.724+/-0.000 χ^2/NDF:367913659103878.6

All: 52.618+/-0.000 χ^2/NDF: 421855669928

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 30406912.9/28

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

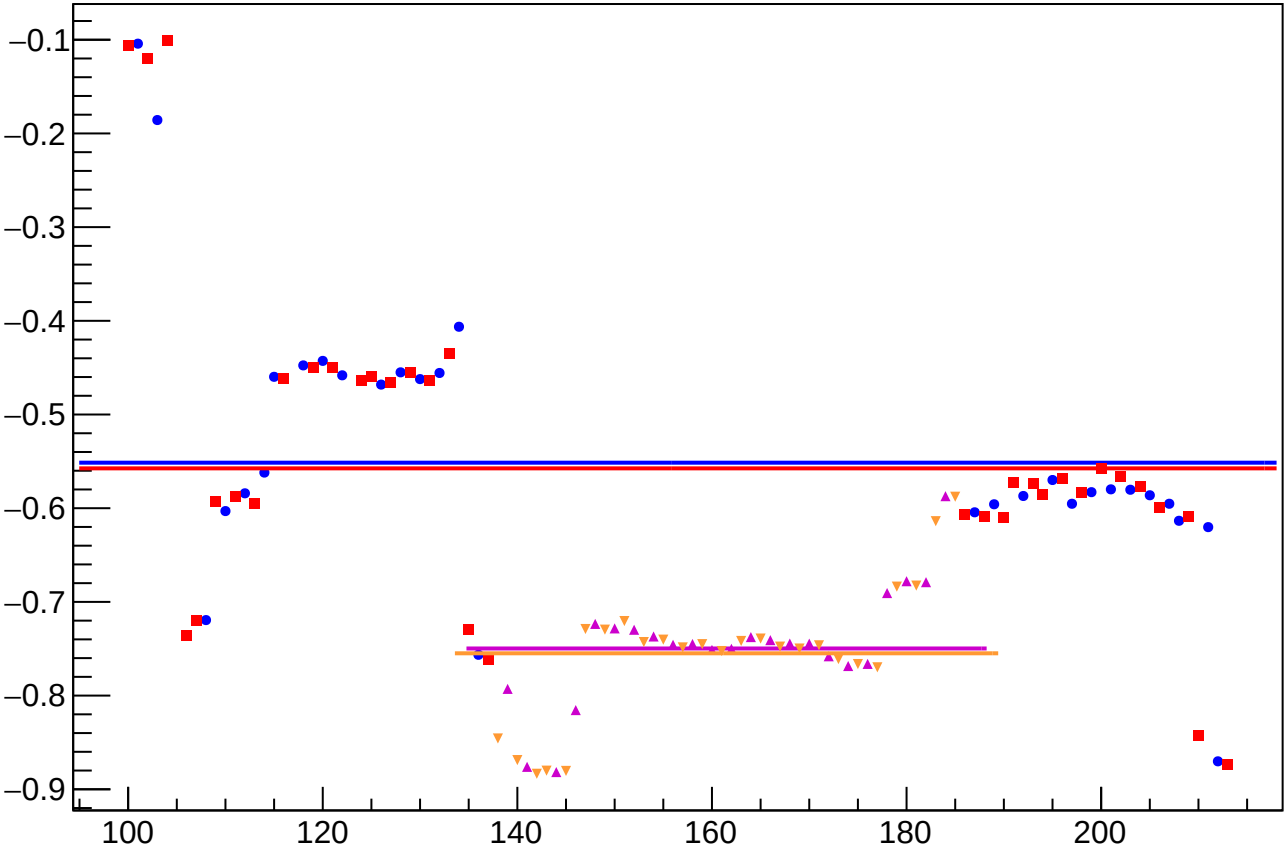
Right: 0.002+/-0.000 χ^2/NDF: 62975049.3/62

In: 0.002+/-0.000 χ^2/NDF:65297159.2/51

Out: 0.002+/-0.000 χ^2/NDF:69509104.8/58

All: 0.002+/-0.000 χ^2/NDF: 134806268.7/110

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.551+/-0.000 χ^2/NDF: 334842517.1/28

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

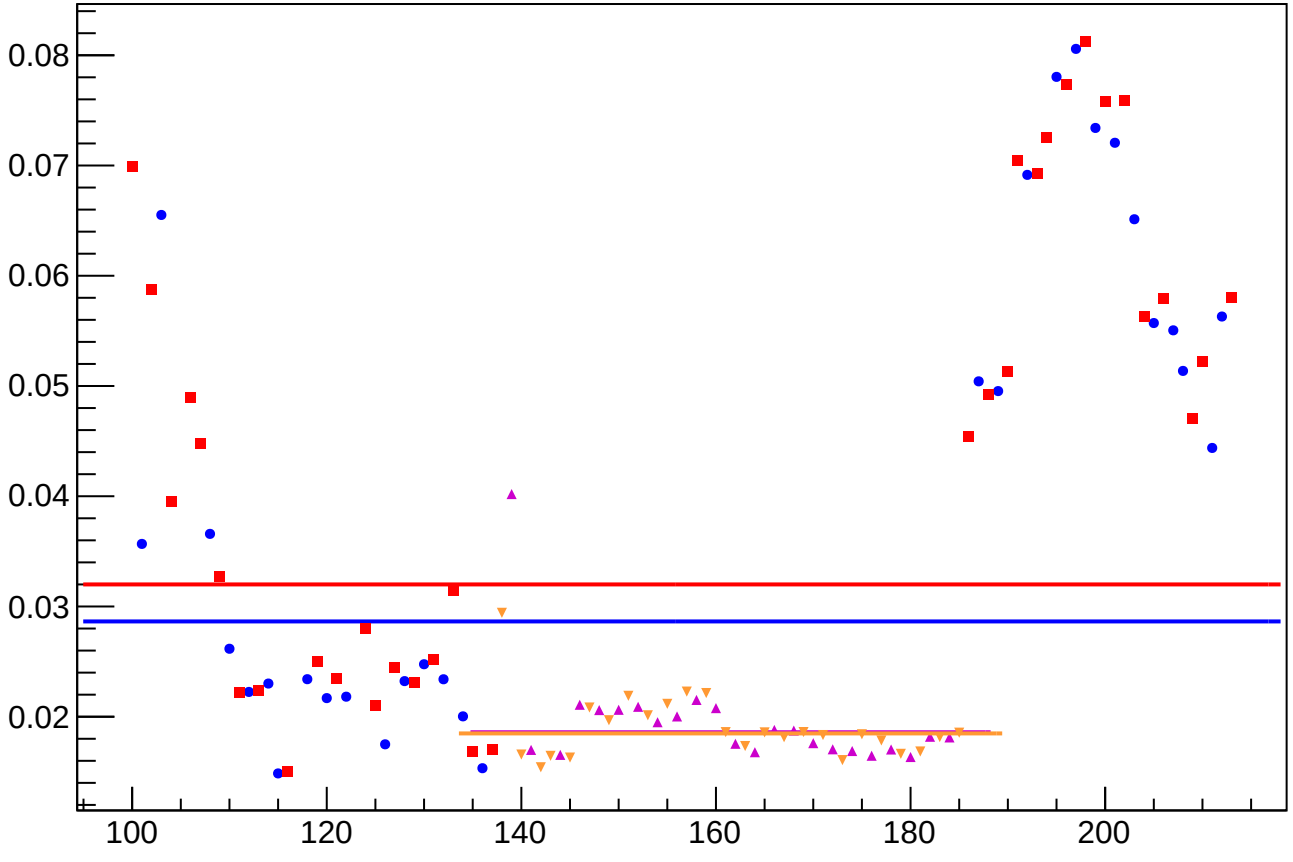
Right: -0.554+/-0.000 χ^2/NDF: 609056339.7/62

In: -0.700+/-0.000 χ^2/NDF:898295088.0/51

Out: -0.711+/-0.000 χ^2/NDF:883119713.0/58

All: -0.705+/-0.000 χ^2/NDF: 1785167646.9/1

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 8053725.7/28

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

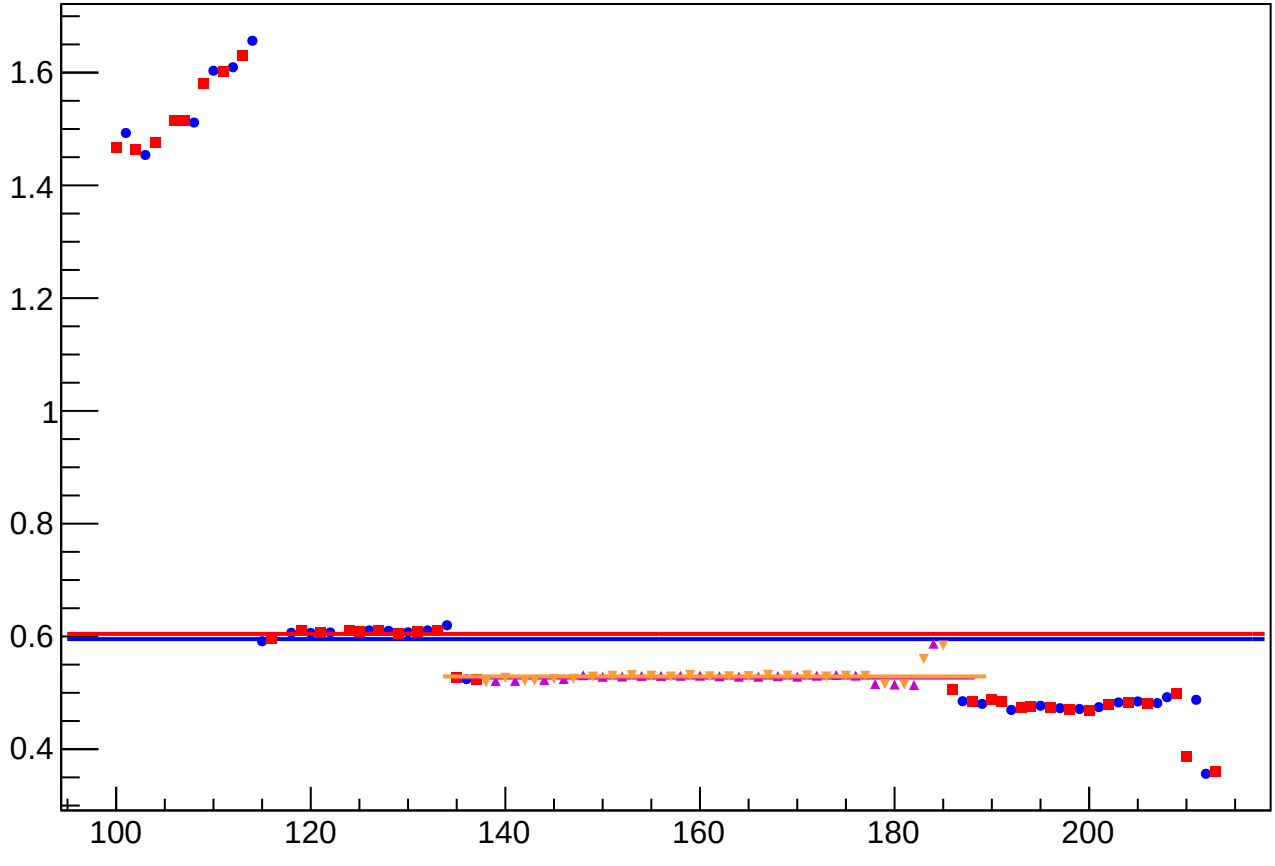
Right: 0.030+/-0.000 χ^2/NDF: 16205233.8/62

In: 0.021+/-0.000 χ^2/NDF:10963685.0/51

Out: 0.021+/-0.000 χ^2/NDF:12206845.8/58

All: 0.021+/-0.000 χ^2/NDF: 23177856.4/110

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.595+/-0.000 χ^2/NDF: 5804043456.9/28

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

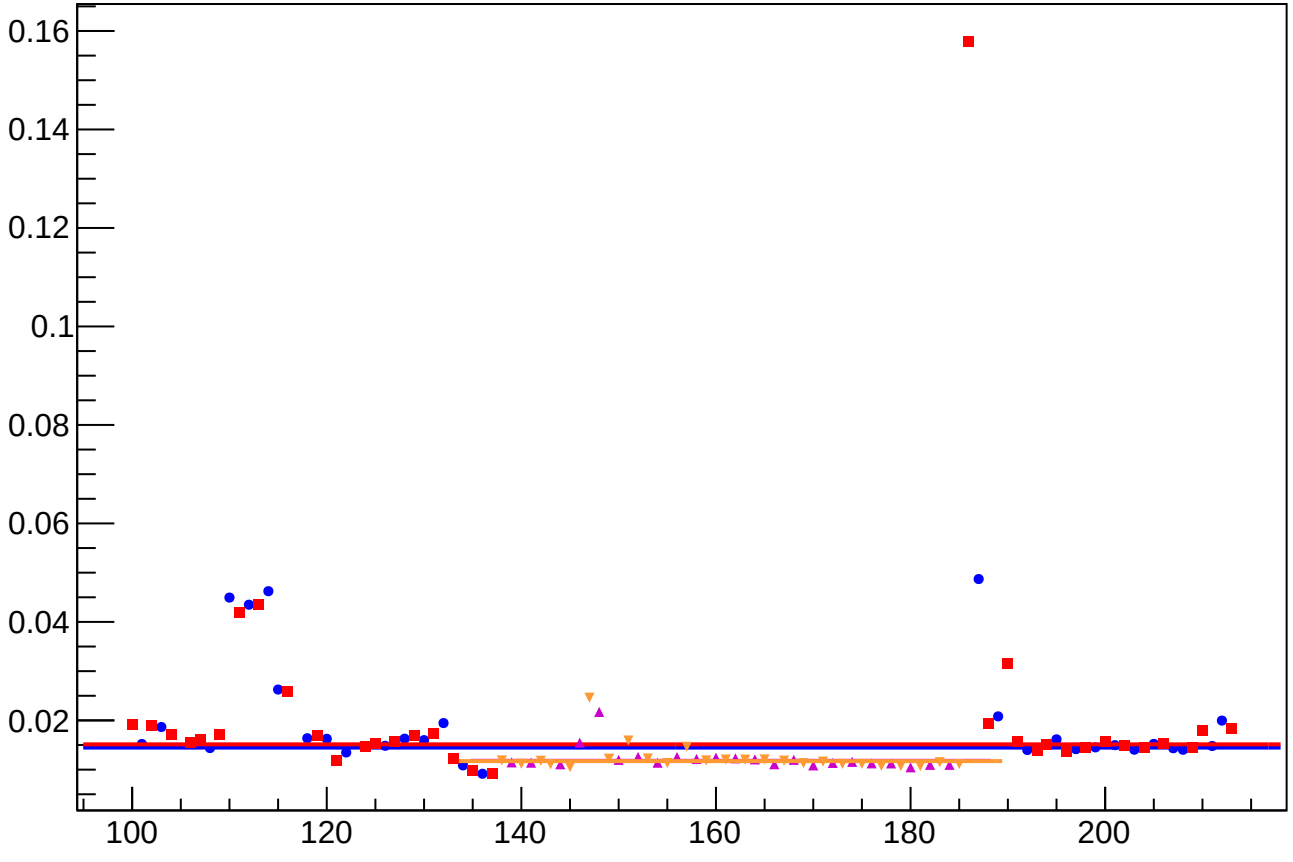
Right: 0.600+/-0.000 χ^2/NDF: 12709742744.2/62

In: 0.552+/-0.000 χ^2/NDF:6034431966.6/51

Out: 0.556+/-0.000 χ^2/NDF:7188763237.2/58

All: 0.554+/-0.000 χ^2/NDF: 13224446901.9/1

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 2093954.7/28

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

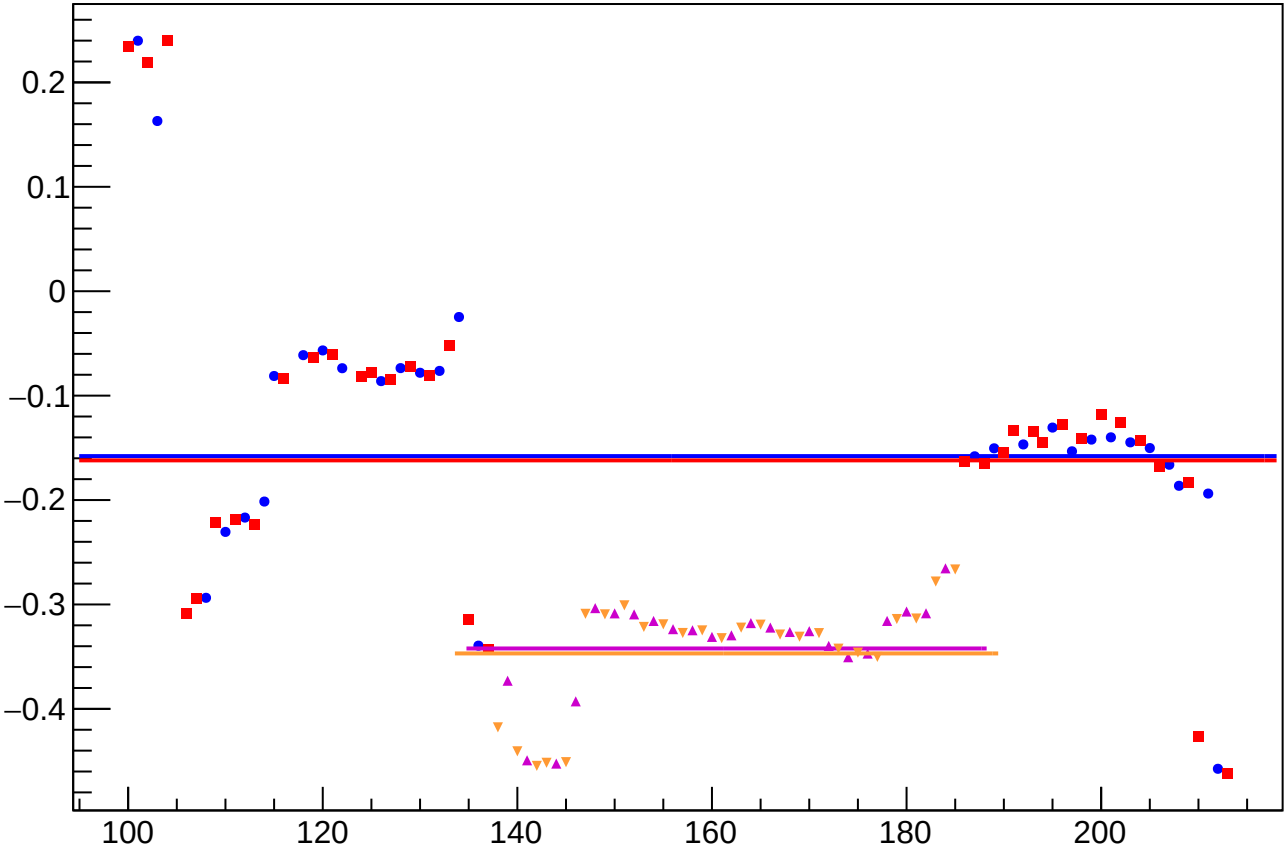
Right: 0.015+/-0.000 χ^2/NDF: 4612886.6/62

In: 0.013+/-0.000 χ^2/NDF:3287902.5/51

Out: 0.013+/-0.000 χ^2/NDF:4285501.1/58

All: 0.013+/-0.000 χ^2/NDF: 7578113.0/110

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.158+/-0.000 χ^2/NDF: 303983365.1/28

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

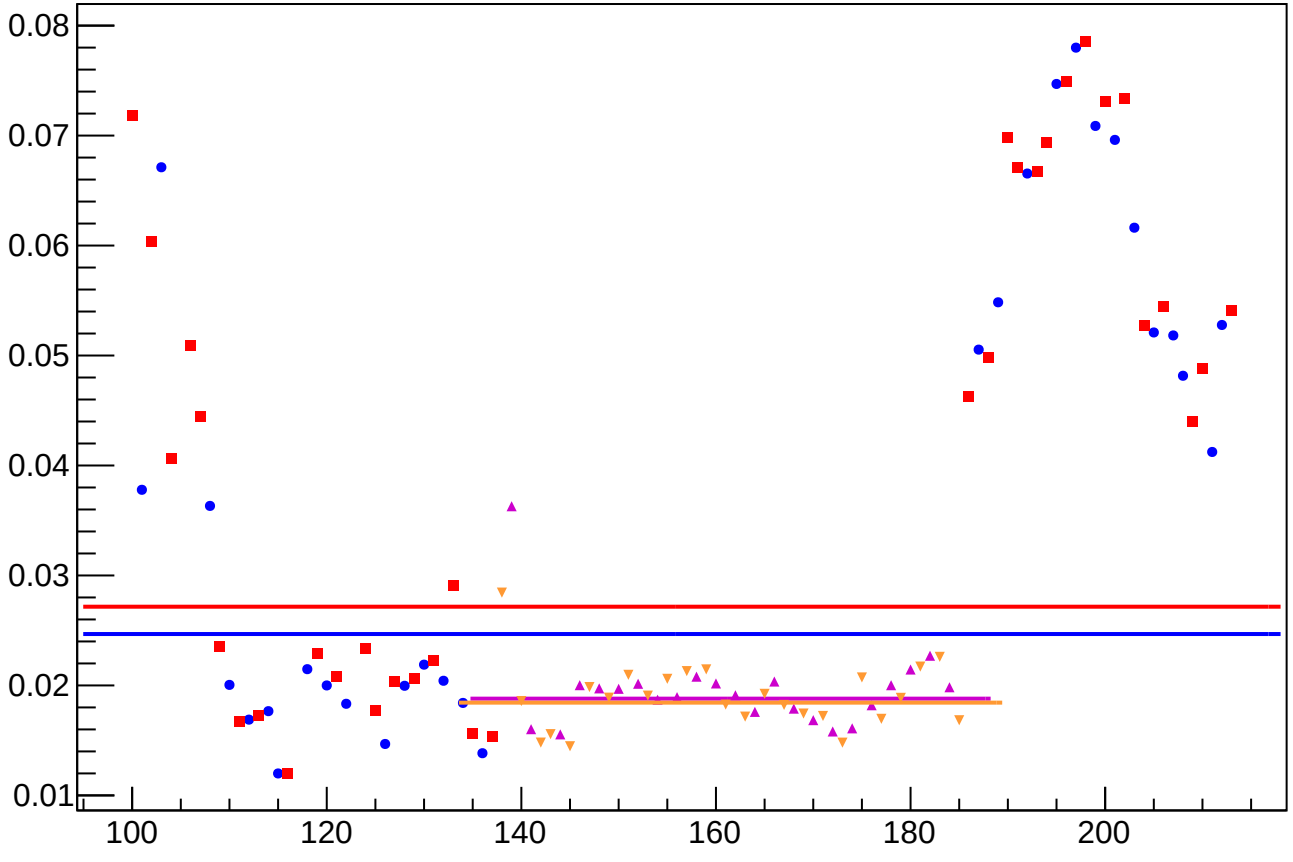
Right: -0.160+/-0.000 χ^2/NDF: 557033910.5/62

In: -0.286+/-0.000 χ^2/NDF:828528631.9/51

Out: -0.298+/-0.000 χ^2/NDF:805170386.6/58

All: -0.292+/-0.000 χ^2/NDF: 1637519371.8/1

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.025+/-0.000 χ^2/NDF: 9256603.3/28

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

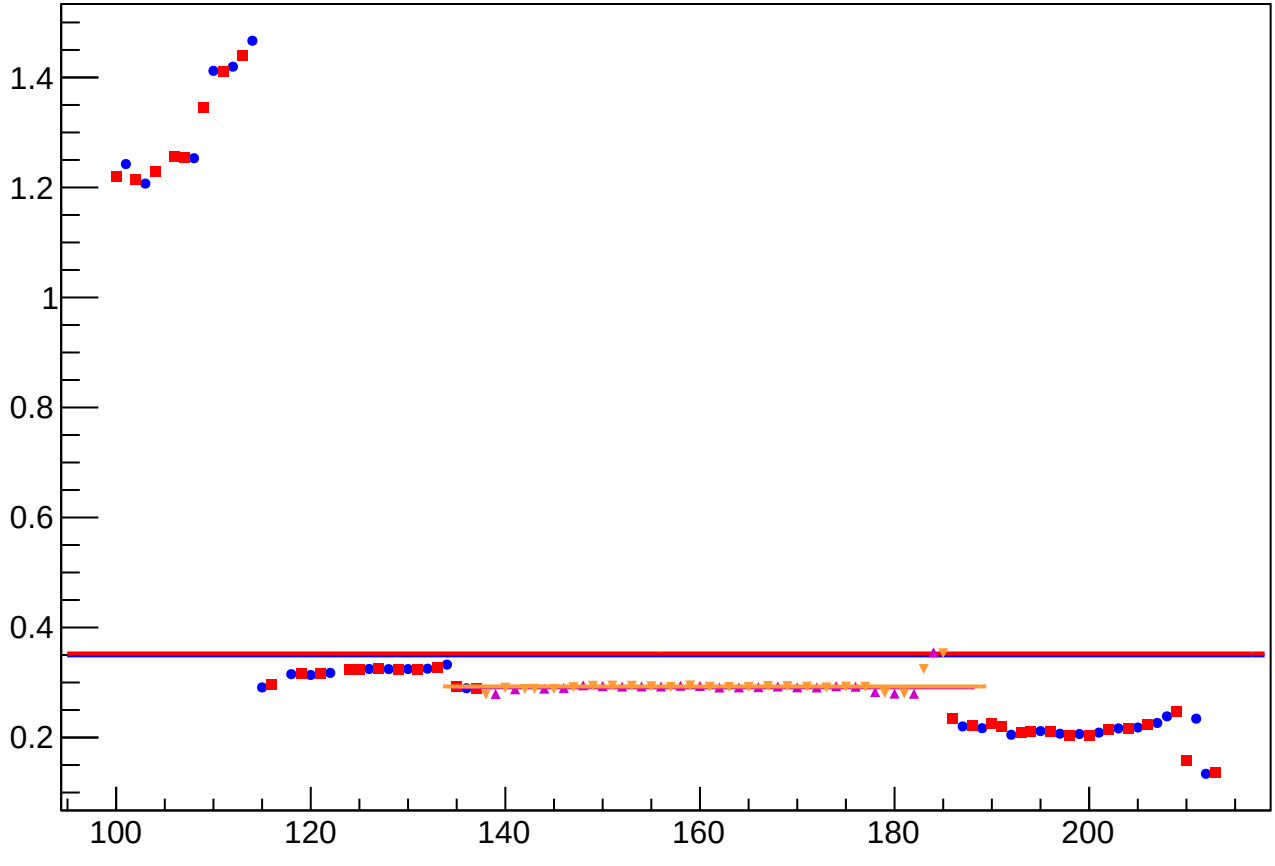
Right: 0.026+/-0.000 χ^2/NDF: 19080283.6/62

In: 0.021+/-0.000 χ^2/NDF:10862932.4/51

Out: 0.021+/-0.000 χ^2/NDF:12252562.3/58

All: 0.021+/-0.000 χ^2/NDF: 23117754.3/110

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.349+/-0.000 χ^2/NDF: 8496932404.3/28

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

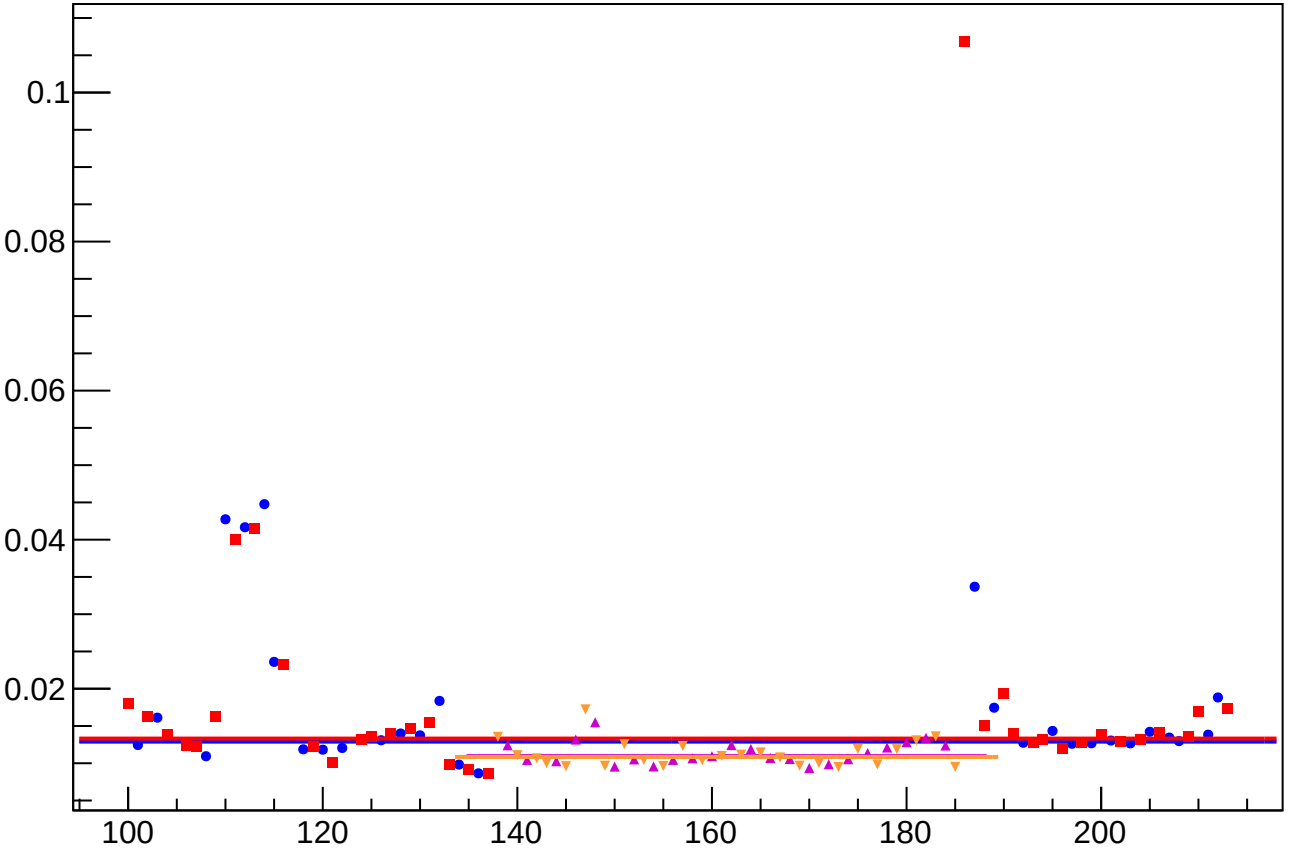
Right: 0.351+/-0.000 χ^2/NDF: 18056625985.0/62

In: 0.314+/-0.000 χ^2/NDF:8698889359.2/51

Out: 0.315+/-0.000 χ^2/NDF:9787780578.5/58

All: 0.315+/-0.000 χ^2/NDF: 18486953965.4/1

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1962397.5/28

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

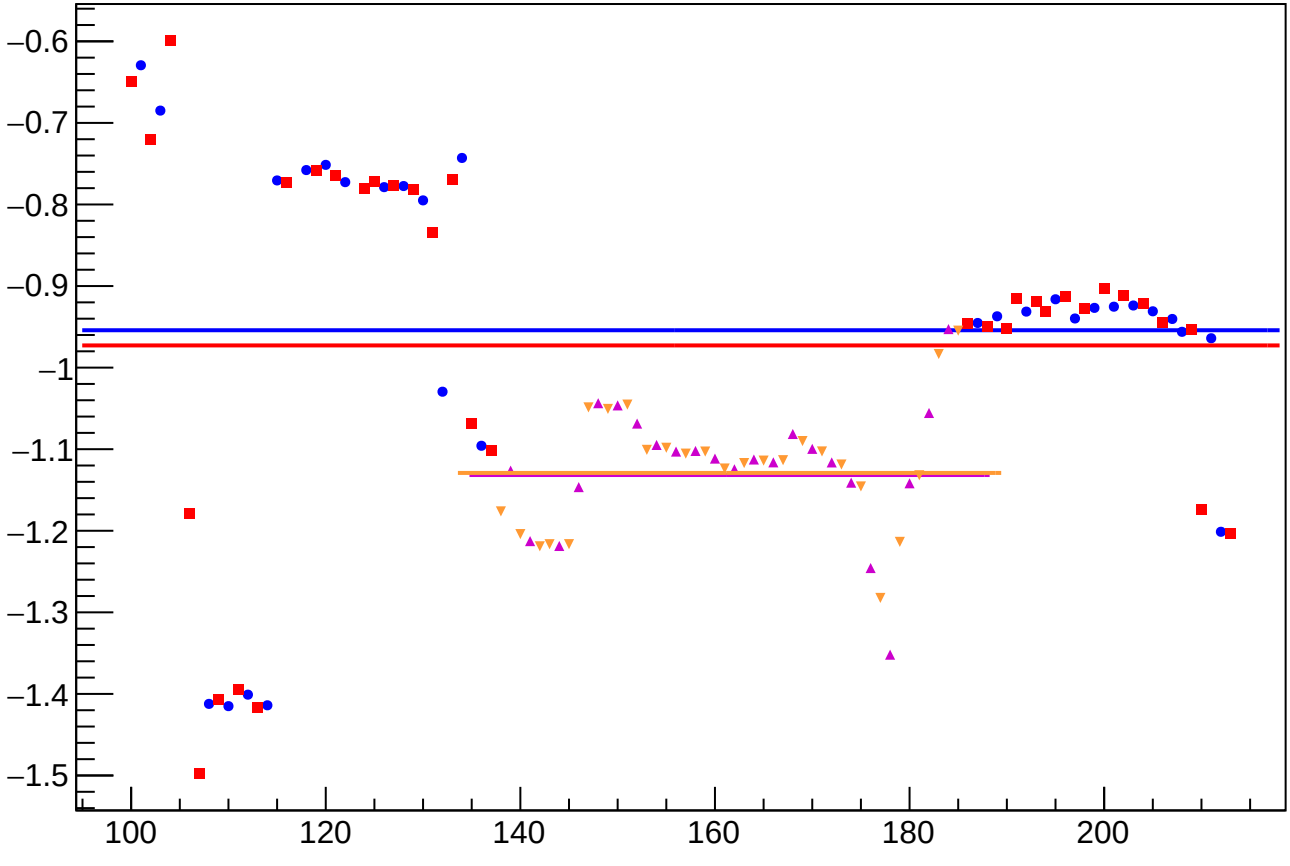
Right: 0.013+/-0.000 χ^2/NDF: 4339305.6/62

In: 0.012+/-0.000 χ^2/NDF:2905399.8/51

Out: 0.012+/-0.000 χ^2/NDF:3731860.0/58

All: 0.012+/-0.000 χ^2/NDF: 6638034.0/110

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.954+/-0.000 χ^2/NDF: 716625176.6/28

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

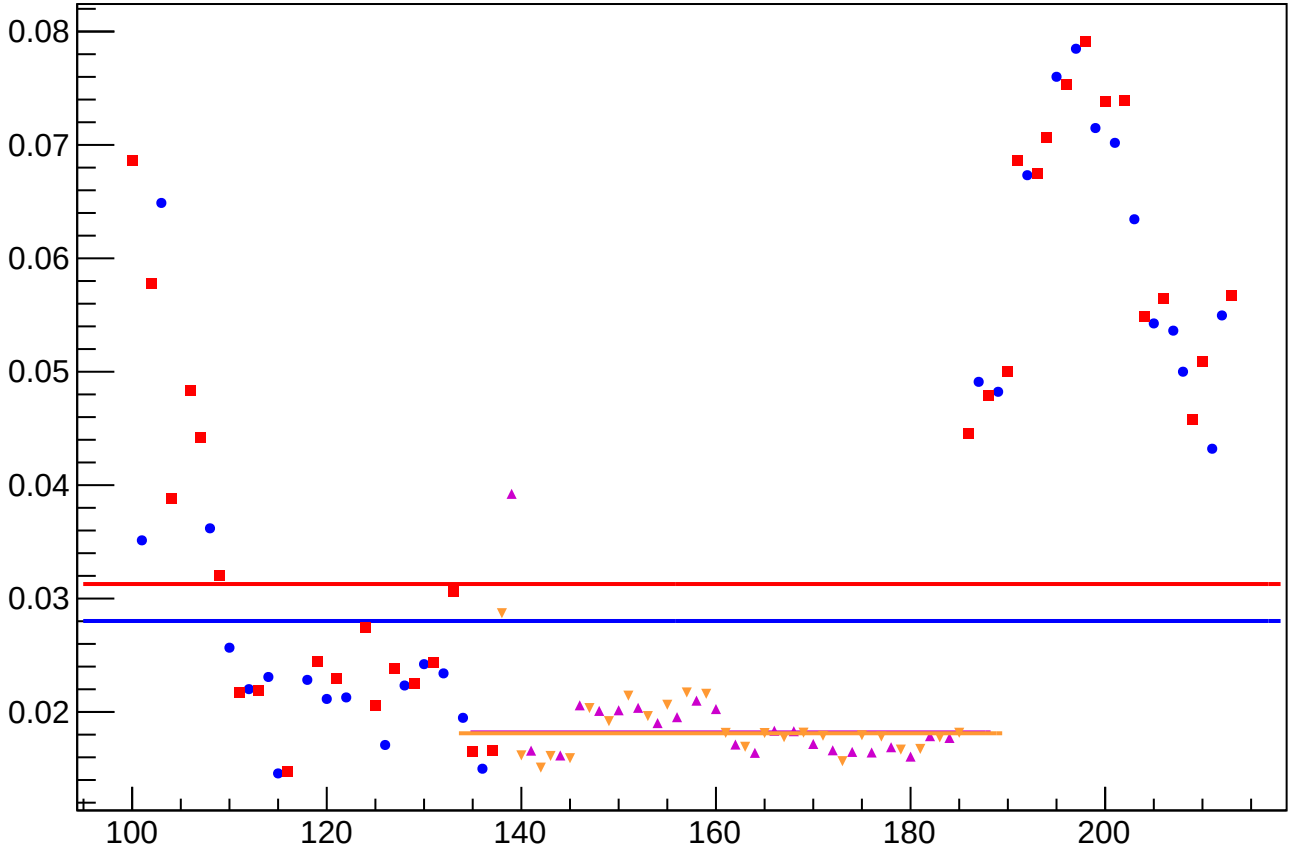
Right: -0.963+/-0.000 χ^2/NDF: 1465452269.6/62

In: -1.087+/-0.000 χ^2/NDF:1330639584.2/51

Out: -1.094+/-0.000 χ^2/NDF:1244305354.3/58

All: -1.090+/-0.000 χ^2/NDF: 2576621640.6/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF: 8026744.7/28

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

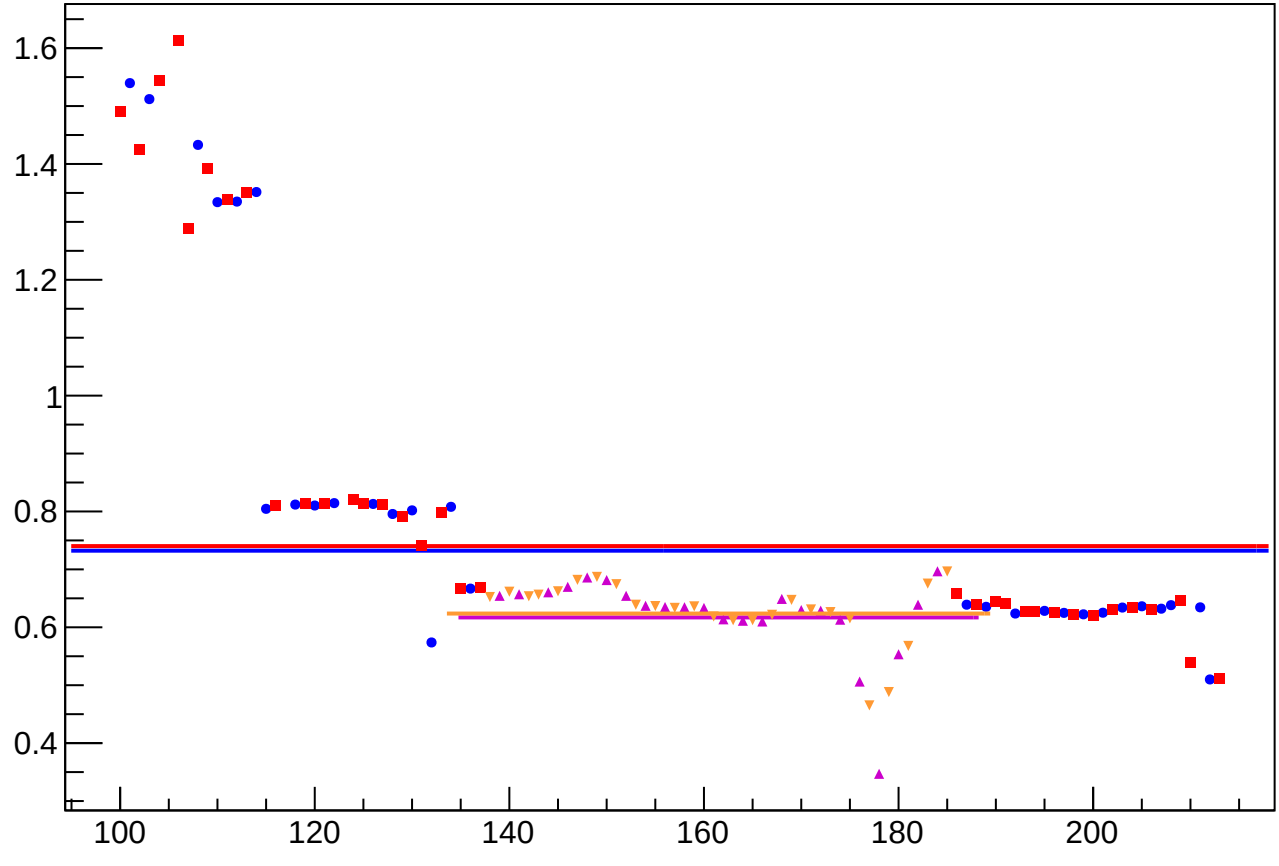
Right: 0.030+/-0.000 χ^2/NDF: 16148174.2/62

In: 0.021+/-0.000 χ^2/NDF:10918268.2/51

Out: 0.021+/-0.000 χ^2/NDF:12127282.7/58

All: 0.021+/-0.000 χ^2/NDF: 23053956.8/110

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.732+/-0.000 χ^2/NDF: 4002689002.6/28

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

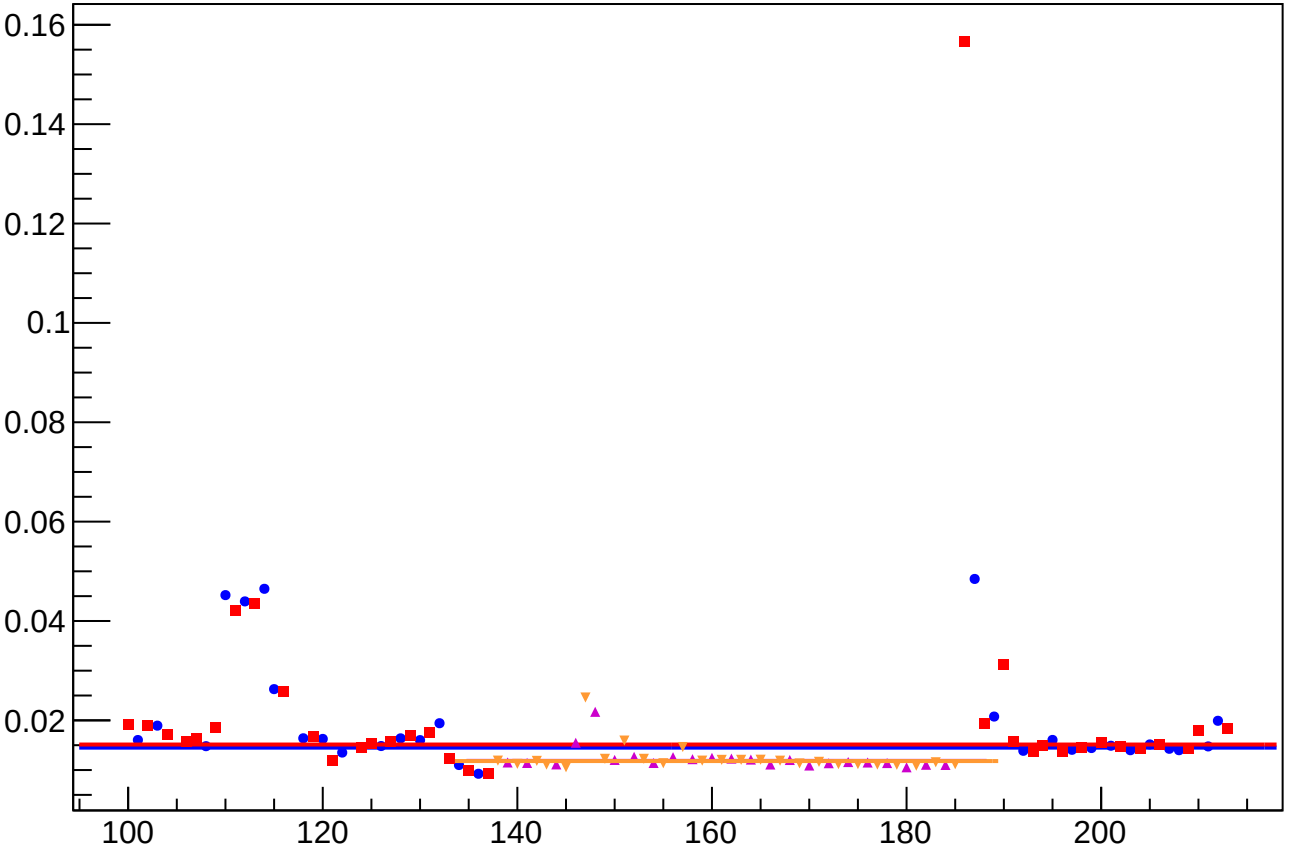
Right: 0.736+/-0.000 χ^2/NDF: 8486485509.3/62

In: 0.660+/-0.000 χ^2/NDF:5263803143.7/51

Out: 0.665+/-0.000 χ^2/NDF:5522333898.4/58

All: 0.662+/-0.000 χ^2/NDF: 10789169430.4/1

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 2074103.5/28

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

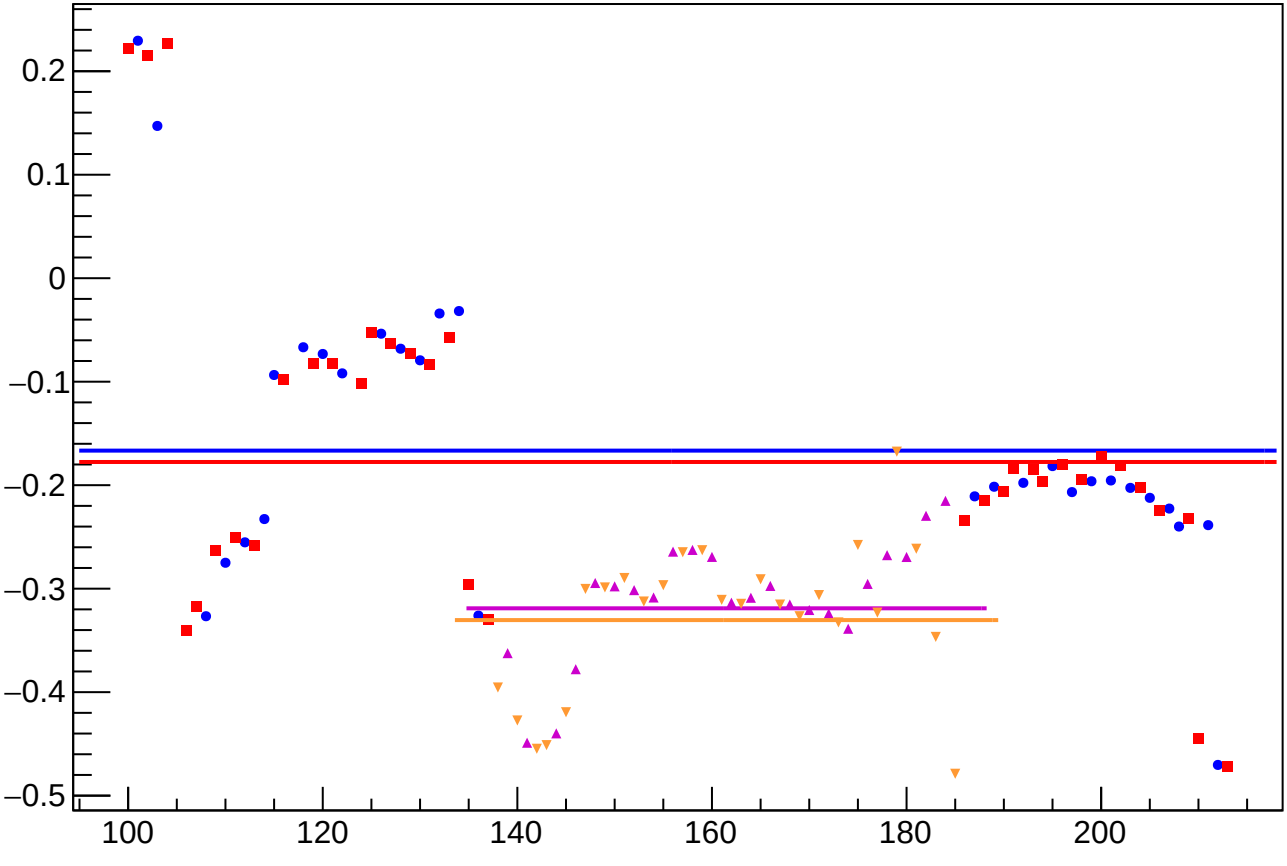
Right: 0.015+/-0.000 χ^2/NDF: 4595327.1/62

In: 0.013+/-0.000 χ^2/NDF:3240127.7/51

Out: 0.013+/-0.000 χ^2/NDF:4211868.3/58

All: 0.013+/-0.000 χ^2/NDF: 7457189.9/110

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.167+/-0.000 χ^2/NDF: 309807272.5/28

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

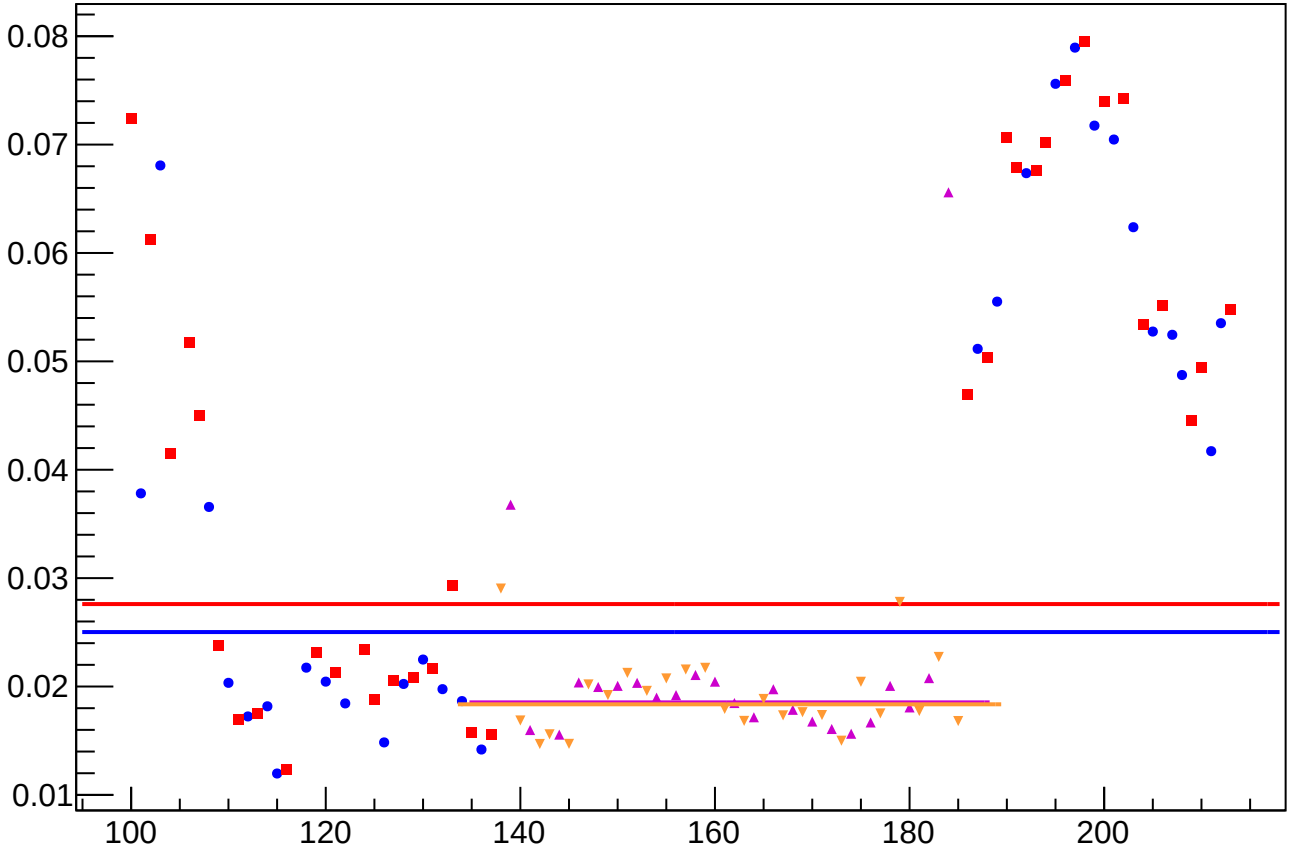
Right: -0.172+/-0.000 χ^2/NDF: 563144826.3/62

In: -0.274+/-0.000 χ^2/NDF:733075691.0/51

Out: -0.290+/-0.000 χ^2/NDF:717851854.3/58

All: -0.282+/-0.000 χ^2/NDF: 1458915009.1/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.025+/-0.000 χ^2/NDF: 9216342.8/28

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

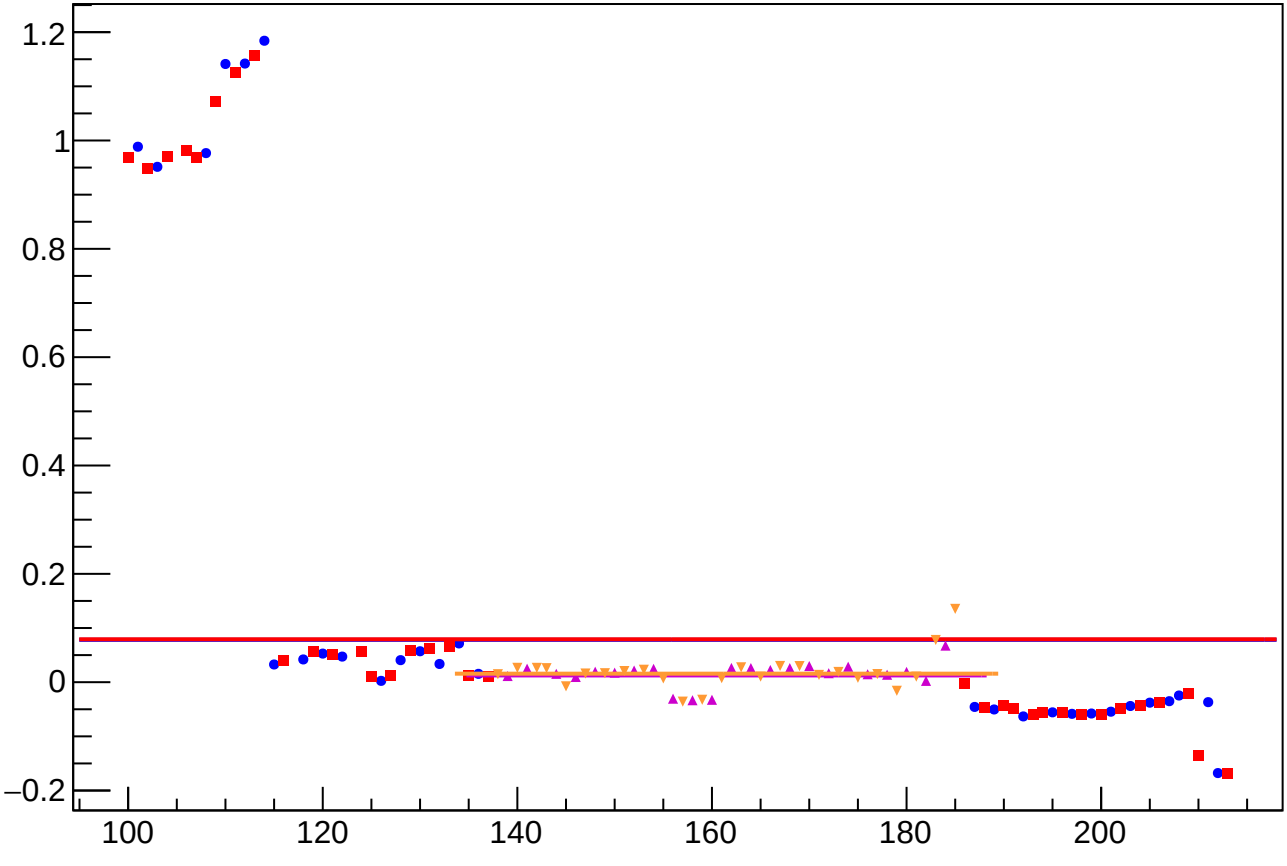
Right: 0.026+/-0.000 χ^2/NDF: 18986006.5/62

In: 0.020+/-0.000 χ^2/NDF:11211103.4/51

Out: 0.021+/-0.000 χ^2/NDF:12464991.5/58

All: 0.021+/-0.000 χ^2/NDF: 23683468.0/110

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.078+/-0.000 χ^2/NDF: 8582819394.3/28

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

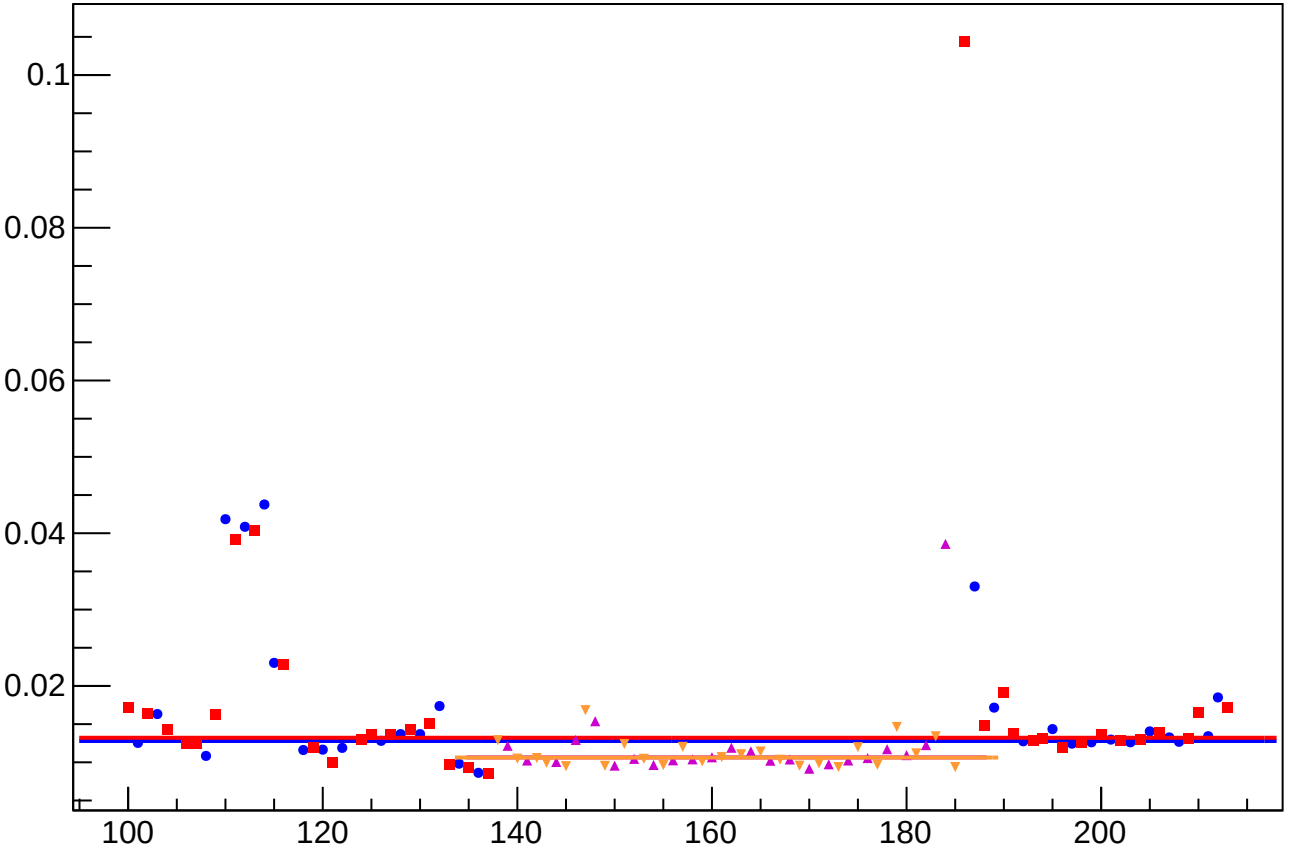
Right: 0.079+/-0.000 χ^2/NDF: 18093948911.5/62

In: 0.038+/-0.000 χ^2/NDF:8892813473.4/51

Out: 0.040+/-0.000 χ^2/NDF:9856228496.7/58

All: 0.039+/-0.000 χ^2/NDF: 18749427521.7/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1914345.9/28

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

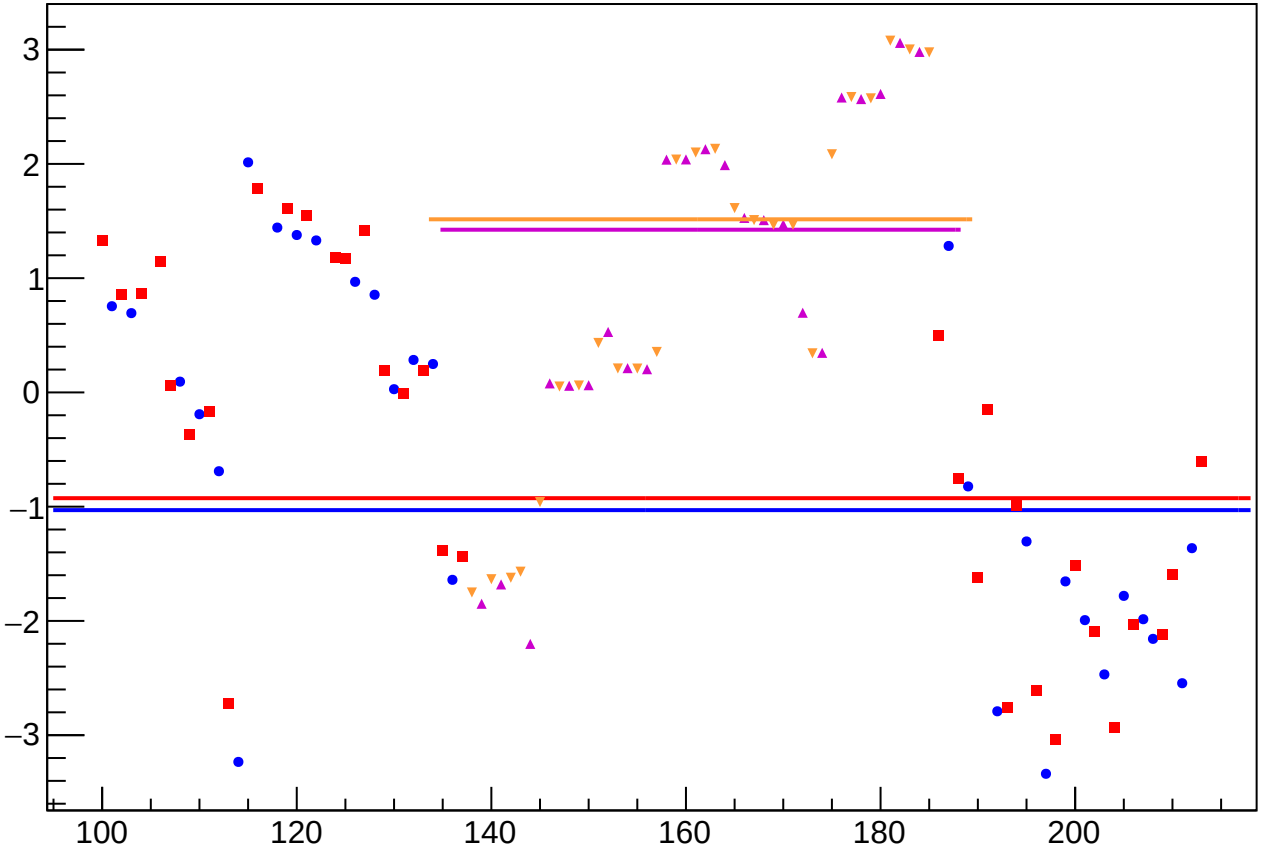
Right: 0.013+/-0.000 χ^2/NDF: 4219915.5/62

In: 0.011+/-0.000 χ^2/NDF:3023043.0/51

Out: 0.012+/-0.000 χ^2/NDF:3713544.6/58

All: 0.012+/-0.000 χ^2/NDF: 6740654.6/110

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -1.030+/-0.000 χ^2/NDF: 9584715005.3/28

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

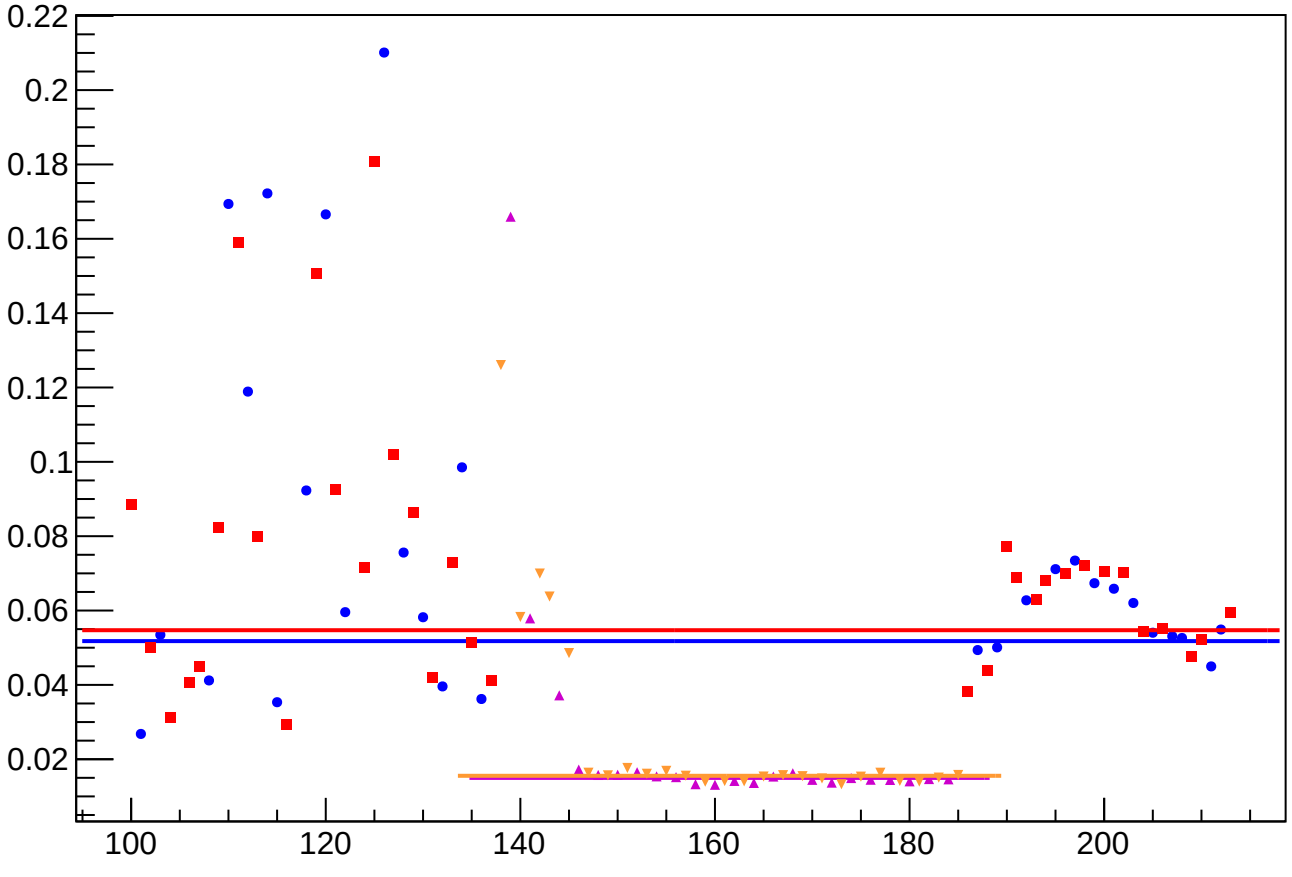
Right: -0.977+/-0.000 χ^2/NDF: 19275768454.0/62

In: 1.246+/-0.000 χ^2/NDF:104825706303.2/51

Out: 1.330+/-0.000 χ^2/NDF:104829615250.0/58

All: 1.287+/-0.000 χ^2/NDF: 209891628136.7

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3595438.8/28

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

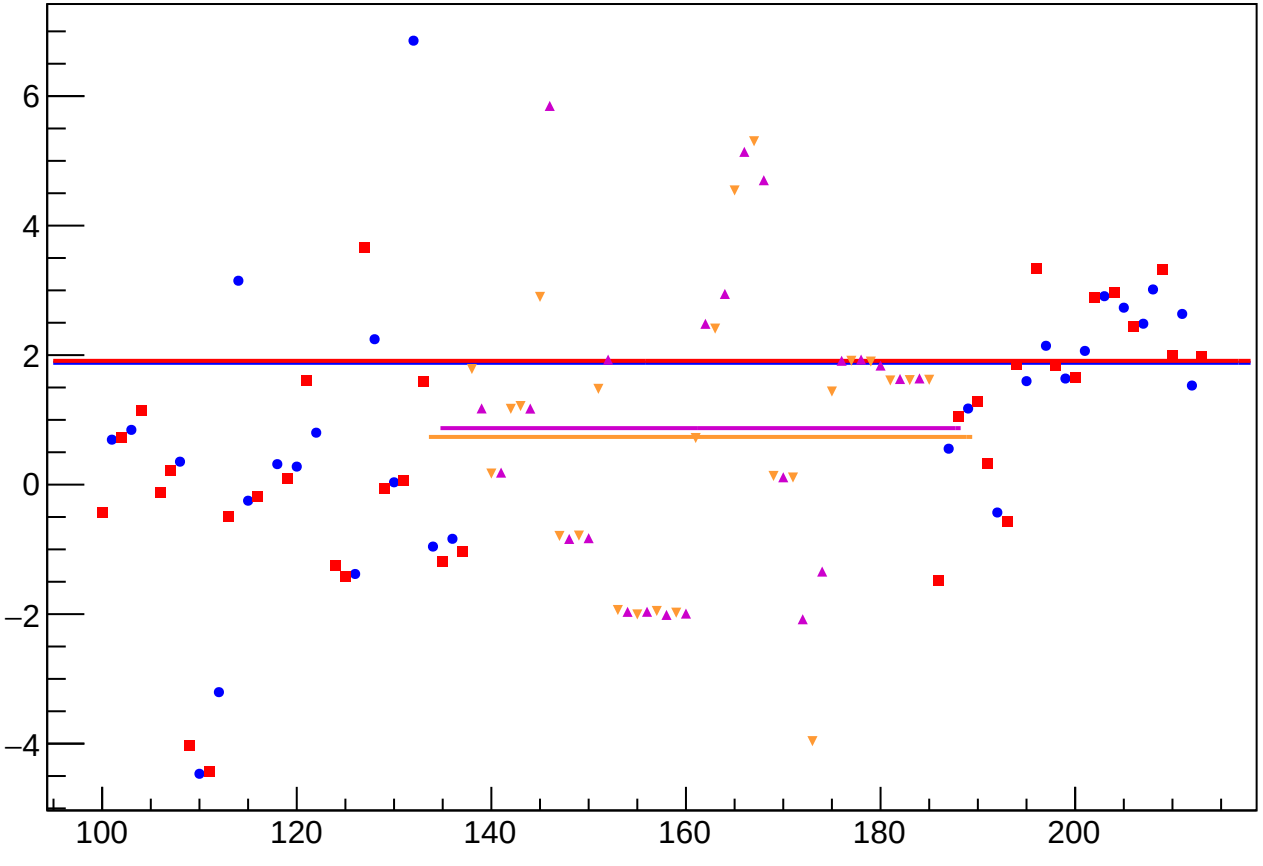
Right: 0.053+/-0.000 χ^2/NDF: 6833645.9/62

In: 0.018+/-0.000 χ^2/NDF:18006982.9/51

Out: 0.019+/-0.000 χ^2/NDF:20275446.3/58

All: 0.018+/-0.000 χ^2/NDF: 38331901.6/110

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.881+/-0.000 χ^2/NDF: 40500096741.2/28

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

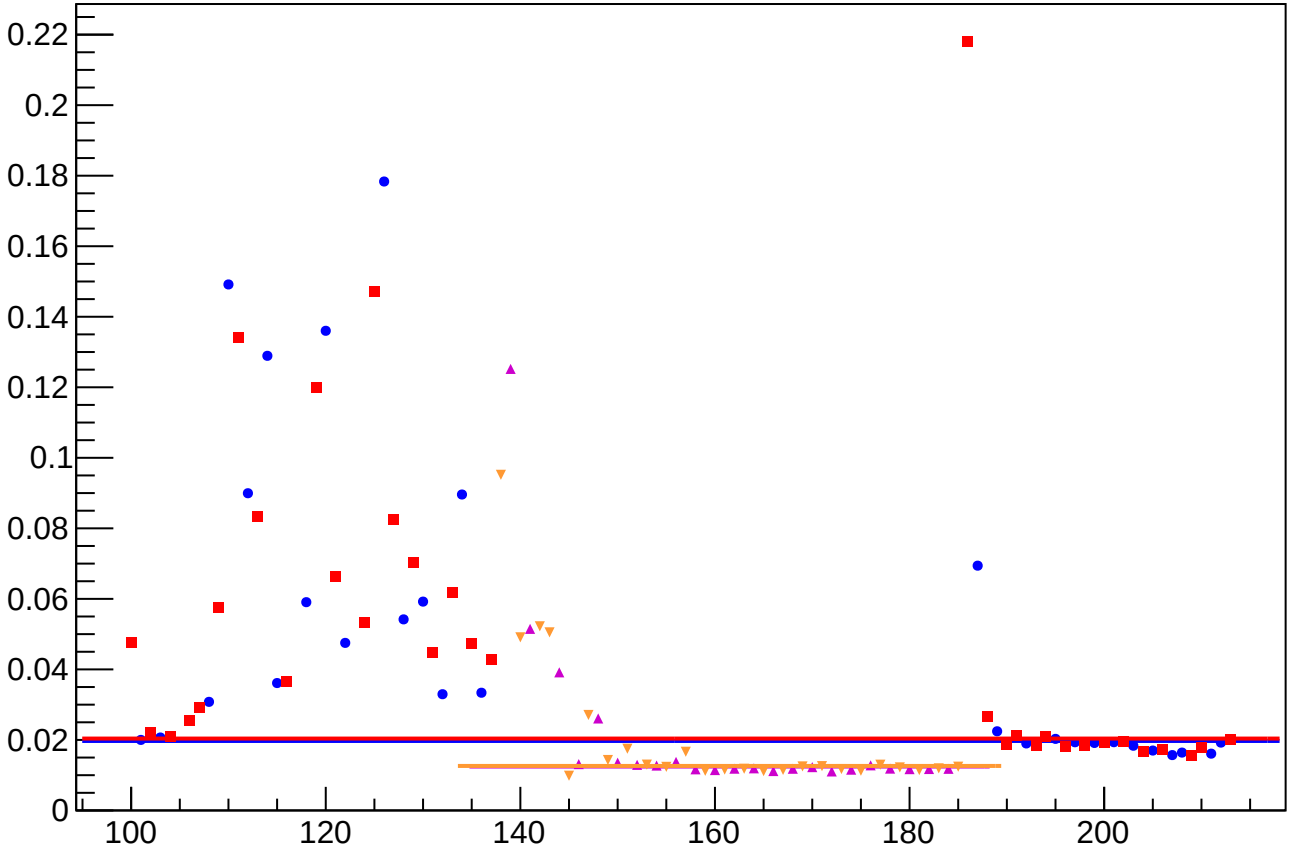
Right: 1.897+/-0.000 χ^2/NDF: 85082573503.1/62

In: 1.111+/-0.000 χ^2/NDF:684460540789.8/51

Out: 1.020+/-0.000 χ^2/NDF:613642709232.2/58

All: 1.065+/-0.000 χ^2/NDF: 1298631559317.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 4471524.6/28

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

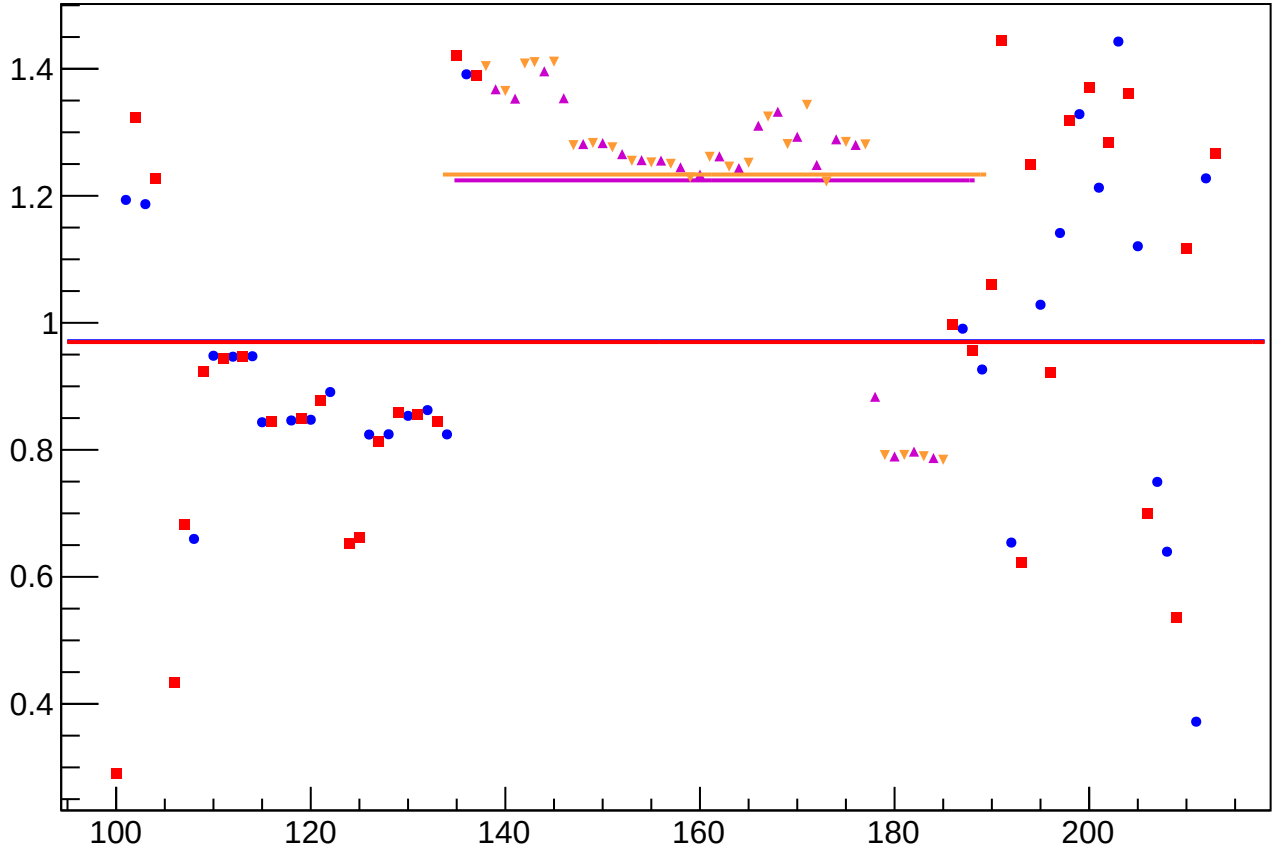
Right: 0.020+/-0.000 χ^2/NDF: 10011709.2/62

In: 0.014+/-0.000 χ^2/NDF:9687215.3/51

Out: 0.014+/-0.000 χ^2/NDF:11607379.2/58

All: 0.014+/-0.000 χ^2/NDF: 21308801.6/110

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.971+/-0.000 χ^2/NDF: 2223883444.7/28

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

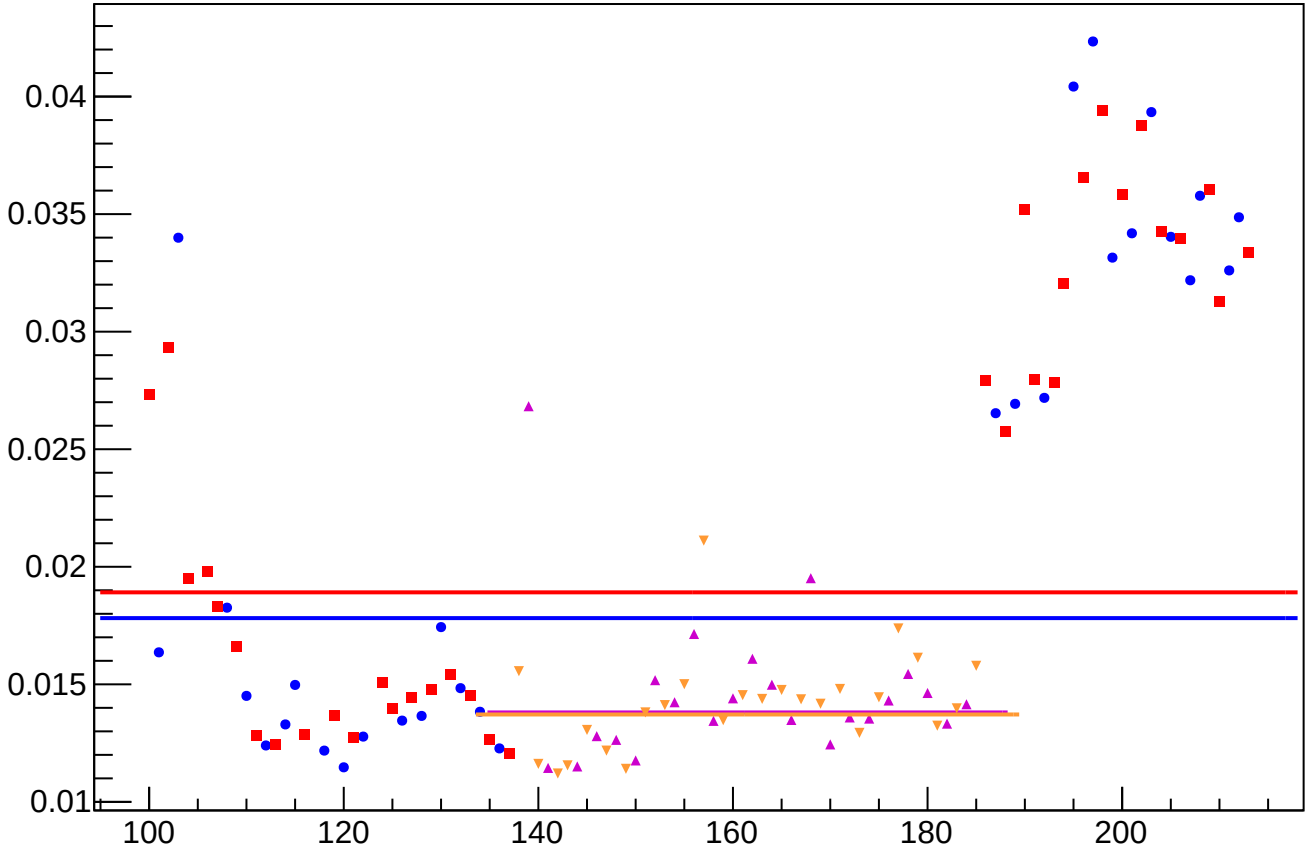
Right: 0.970+/-0.000 χ^2/NDF: 4738247439.5/62

In: 1.142+/-0.000 χ^2/NDF:6645602744.7/51

Out: 1.152+/-0.000 χ^2/NDF:7506836964.2/58

All: 1.147+/-0.000 χ^2/NDF: 14157877055.7/1

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 5878080.7/28

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

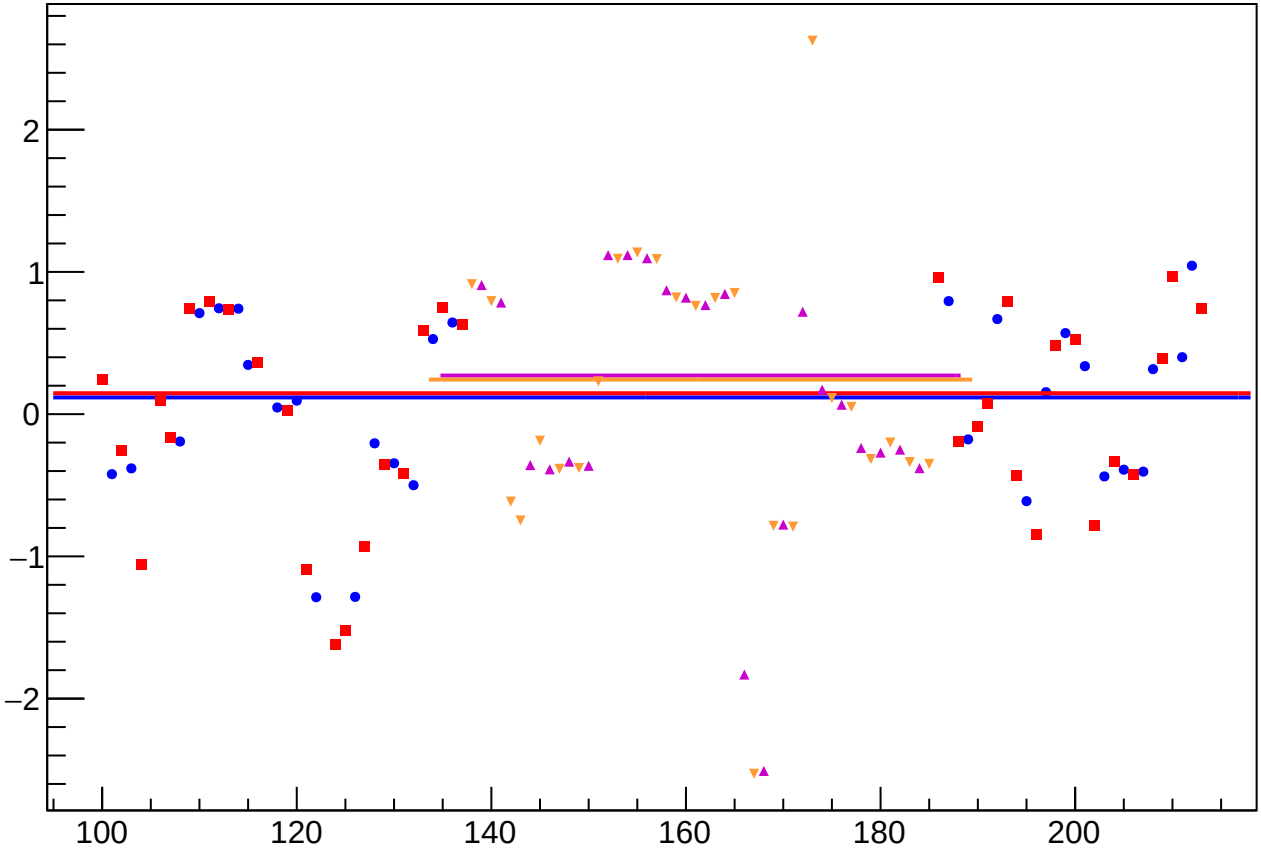
Right: 0.018+/-0.000 χ^2/NDF: 11628921.0/62

In: 0.015+/-0.000 χ^2/NDF:7635482.1/51

Out: 0.015+/-0.000 χ^2/NDF:7763688.9/58

All: 0.015+/-0.000 χ^2/NDF: 15405890.3/110

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.118+/-0.000 χ^2/NDF: 32757334709.4/28

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

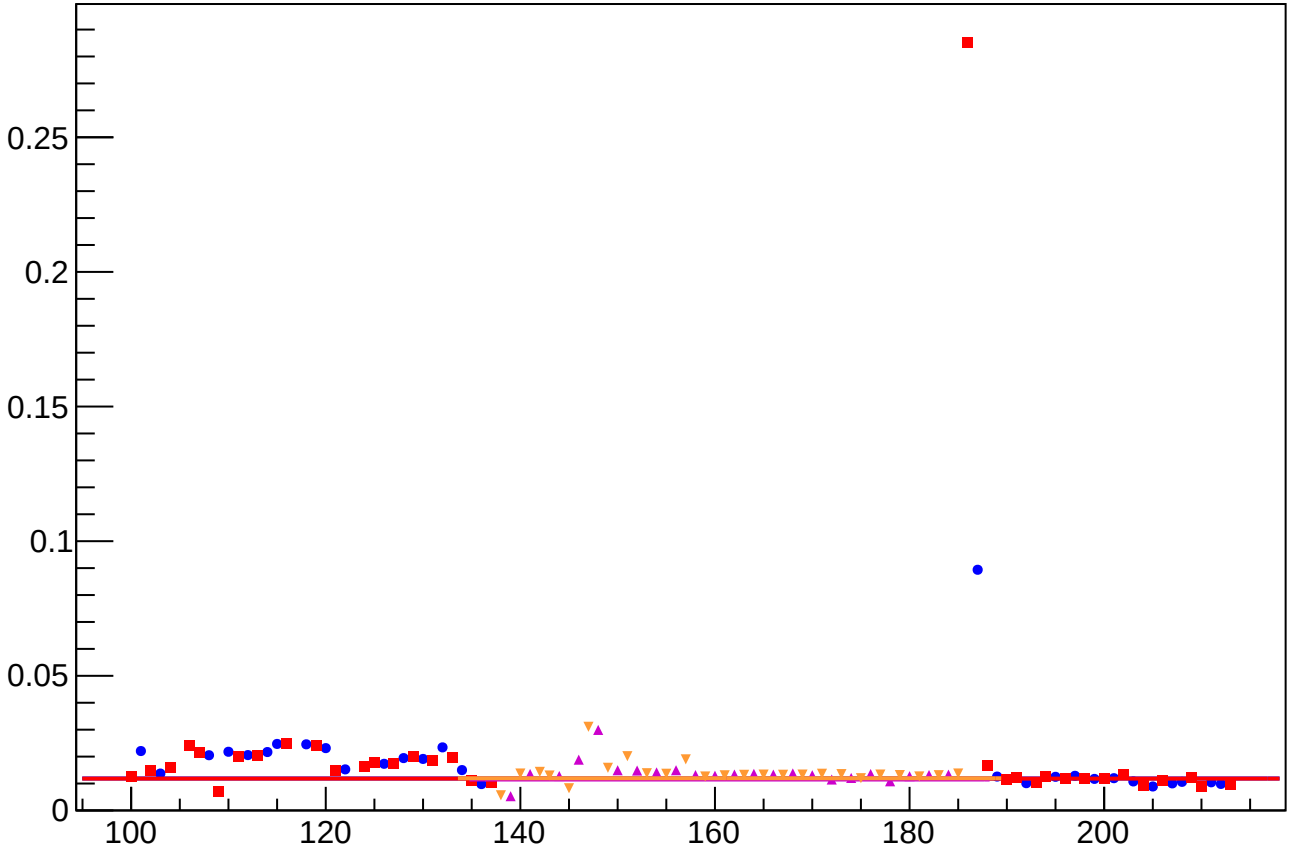
Right: 0.133+/-0.000 χ^2/NDF: 81075606694.9/62

In: 0.200+/-0.000 χ^2/NDF:124546506995.1/51

Out: 0.197+/-0.000 χ^2/NDF:154388689405.4/58

All: 0.199+/-0.000 χ^2/NDF: 278936515095.3

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2634472.9/28

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

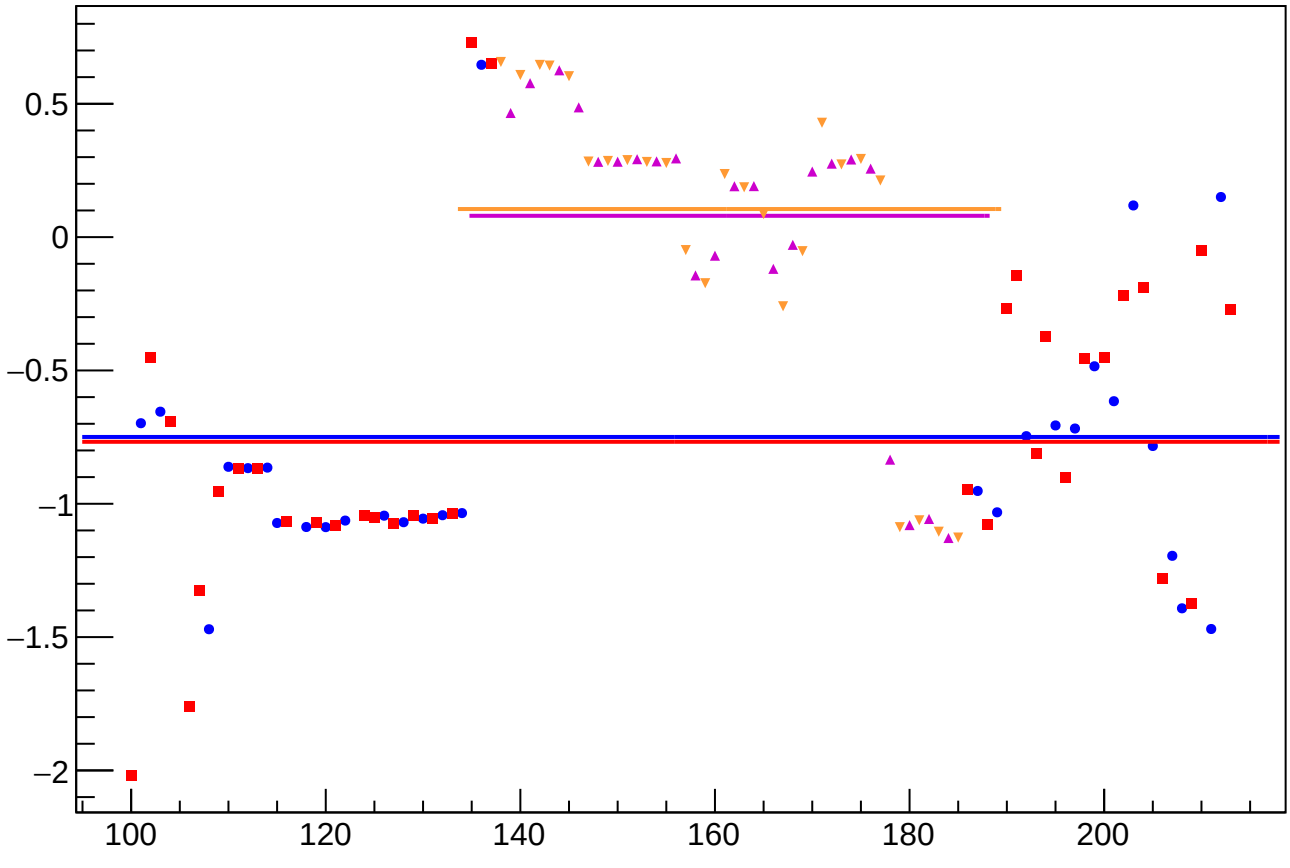
Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

Right: 0.012+/-0.000 χ^2/NDF: 5871000.3/62

In: 0.012+/-0.000 χ^2/NDF:6321993.1/51

Out: 0.012+/-0.000 χ^2/NDF:6503972.9/58

All: 0.012+/-0.000 χ^2/NDF: 12837127.1/110



Right In: -0.749+/-0.000 χ^2/NDF: 2391684573.6/28

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

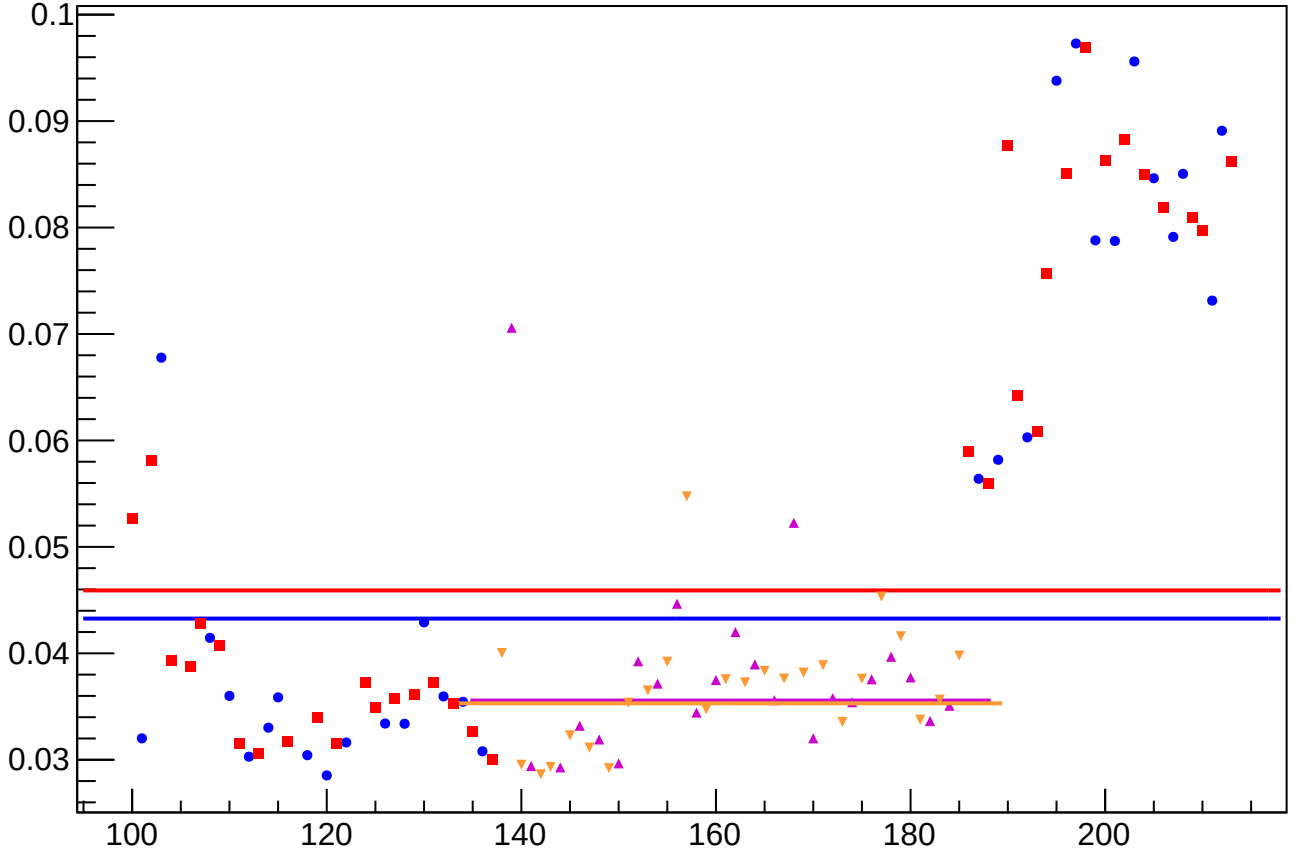
Right: -0.758+/-0.000 χ^2/NDF: 4634178905.9/62

In: -0.218+/-0.000 χ^2/NDF:8807469498.7/51

Out: -0.194+/-0.000 χ^2/NDF:9556104310.1/58

All: -0.206+/-0.000 χ^2/NDF: 18369402923.5/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.043+/-0.000 χ^2/NDF: 5549855.7/28

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

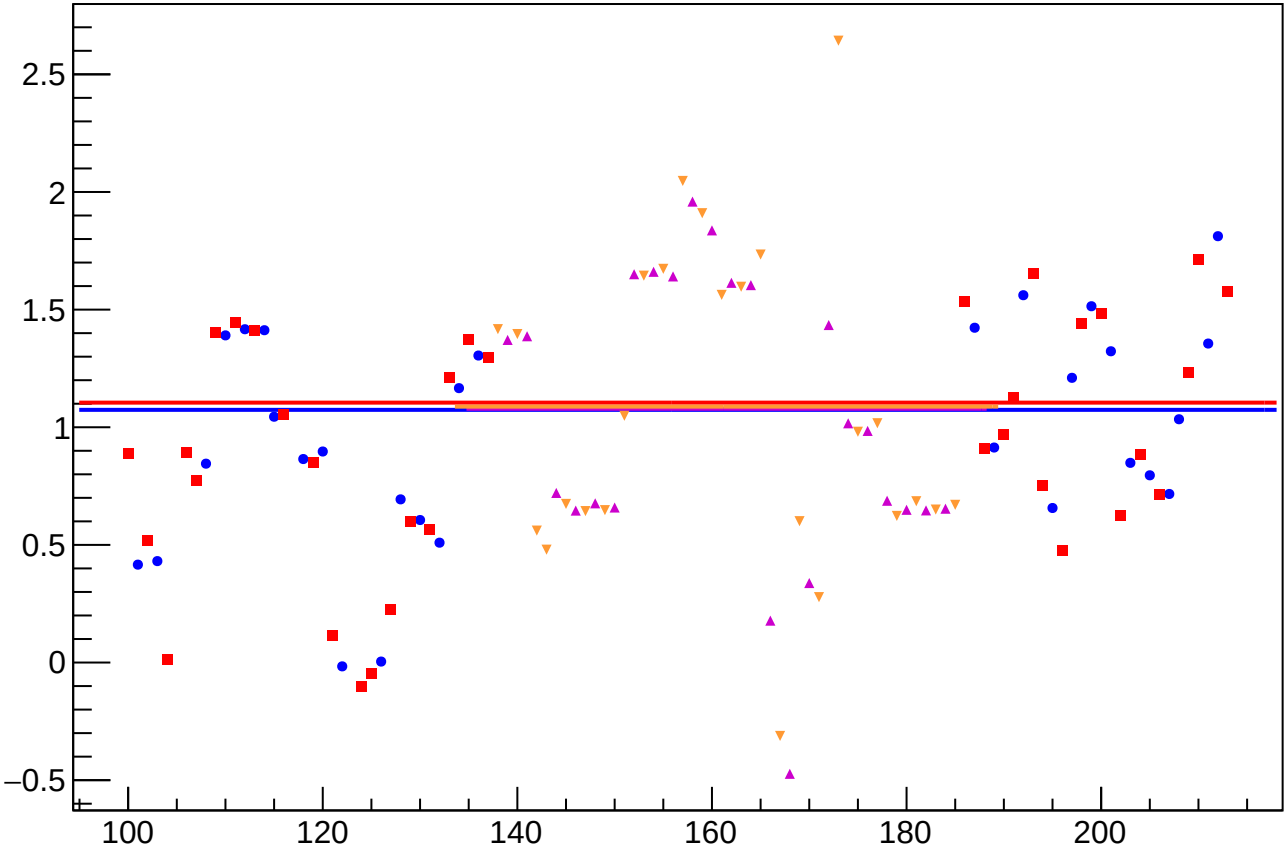
Right: 0.045+/-0.000 χ^2/NDF: 10843276.5/62

In: 0.038+/-0.000 χ^2/NDF:7052768.4/51

Out: 0.039+/-0.000 χ^2/NDF:6897899.3/58

All: 0.039+/-0.000 χ^2/NDF: 13958203.4/110

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.074+/-0.000 χ^2/NDF: 44332160745.3/28

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

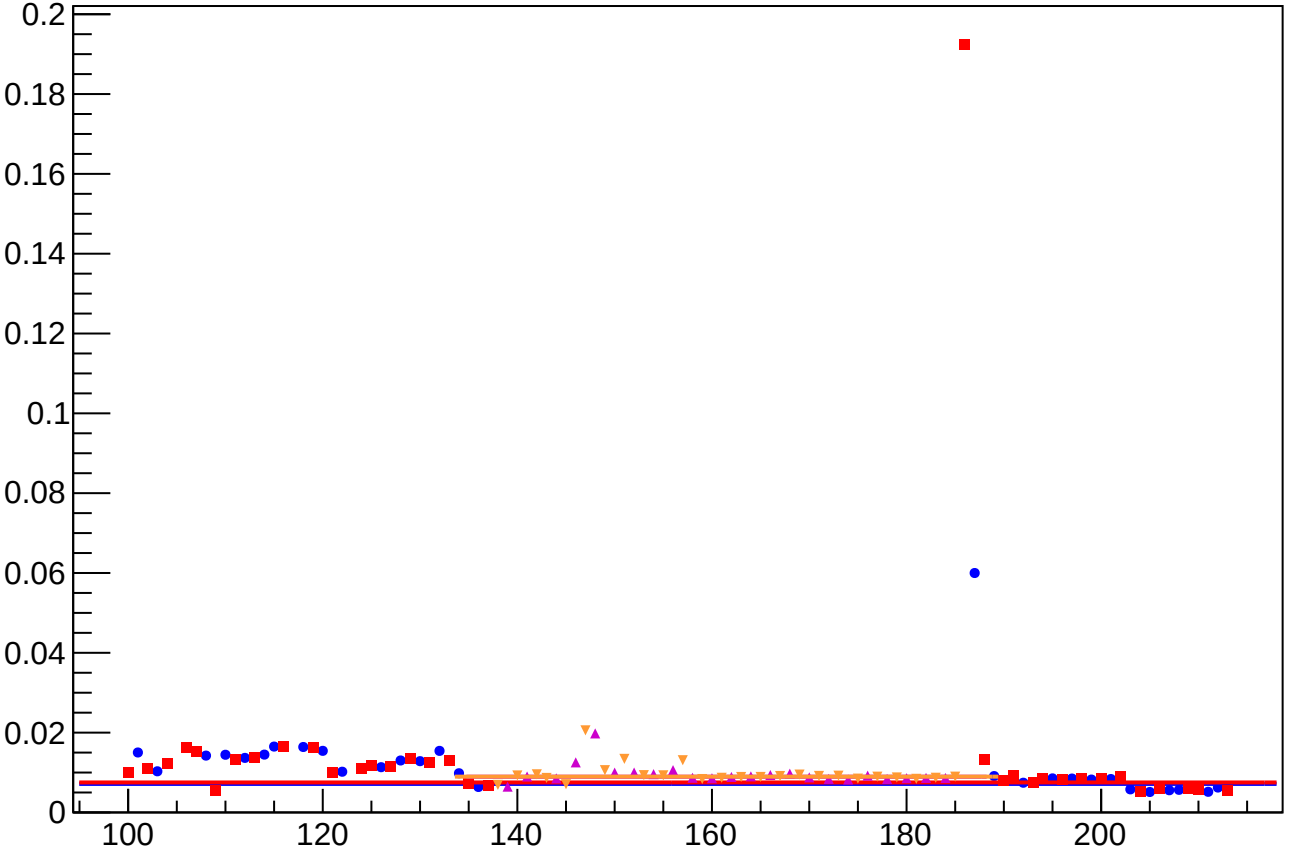
Right: 1.089+/-0.000 χ^2/NDF: 101405749489.1/62

In: 1.076+/-0.000 χ^2/NDF:118415846932.6/51

Out: 1.097+/-0.000 χ^2/NDF:150829881592.4/58

All: 1.087+/-0.000 χ^2/NDF: 269354873232.0

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 3800304.6/28

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

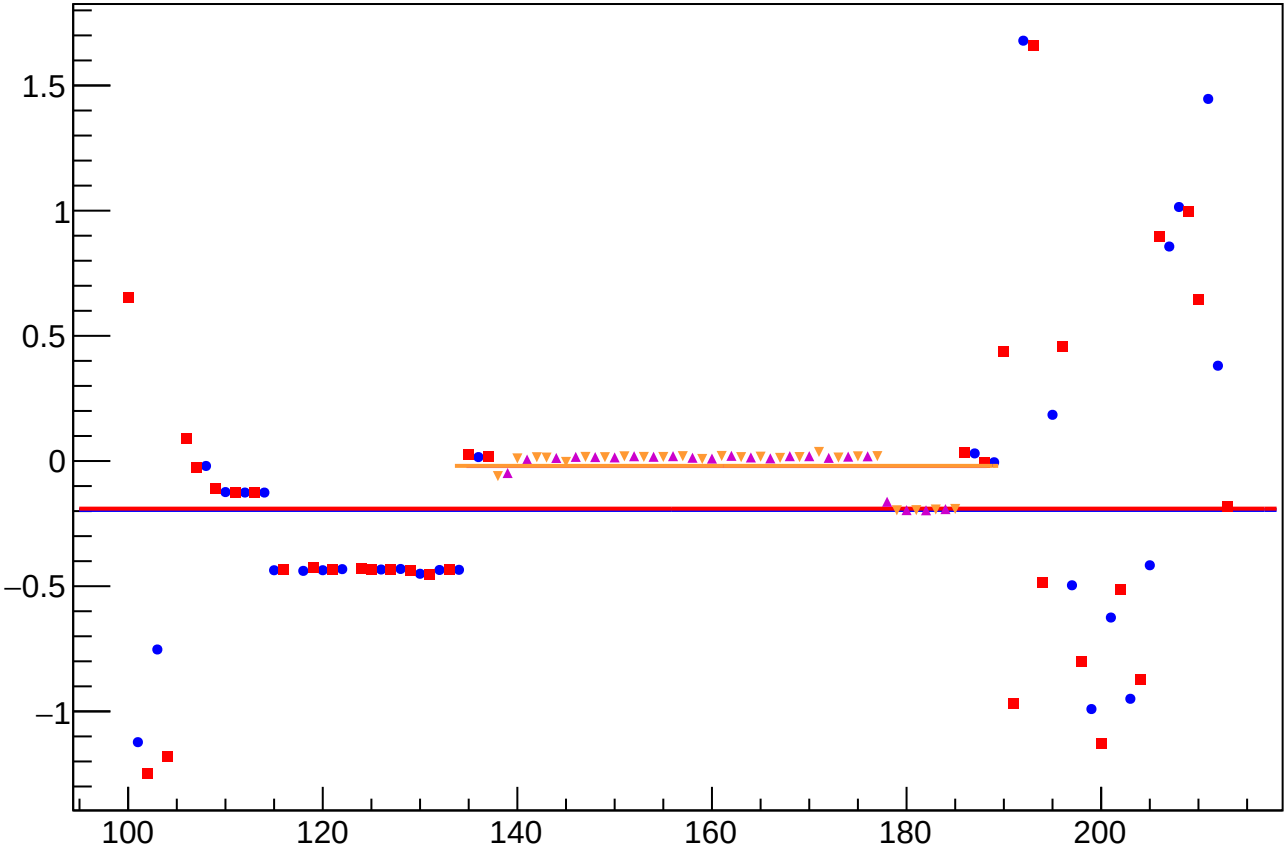
Right: 0.007+/-0.000 χ^2/NDF: 7974720.4/62

In: 0.008+/-0.000 χ^2/NDF:5547530.6/51

Out: 0.008+/-0.000 χ^2/NDF:5806504.9/58

All: 0.008+/-0.000 χ^2/NDF: 11384789.3/110

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.195+/-0.000 χ^2/NDF: 6042990566.4/28

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

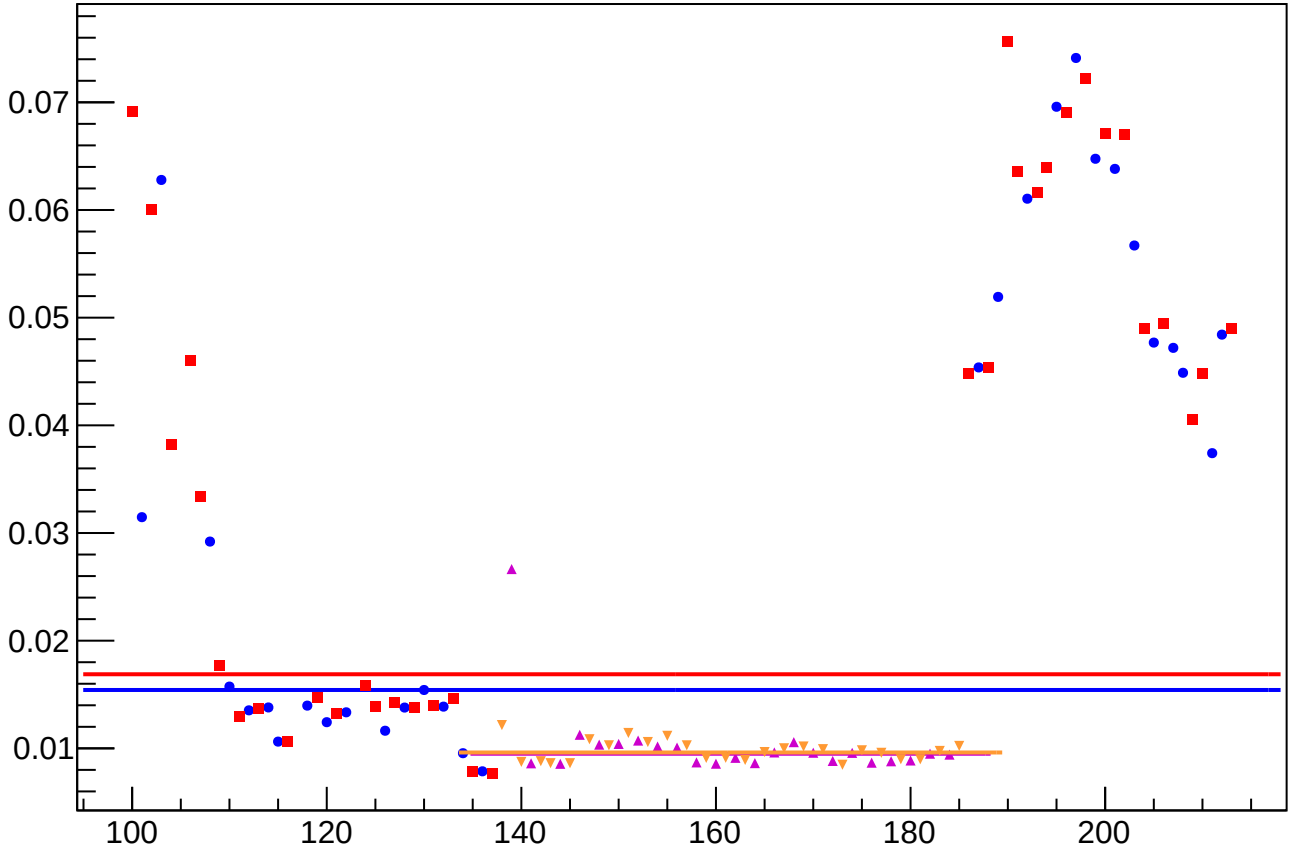
Right: -0.193+/-0.000 χ^2/NDF: 10589954869.8/62

In: -0.053+/-0.000 χ^2/NDF:8002609412.0/51

Out: -0.048+/-0.000 χ^2/NDF:6470555018.5/58

All: -0.050+/-0.000 χ^2/NDF: 14475947558.0/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 12800957.6/28

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

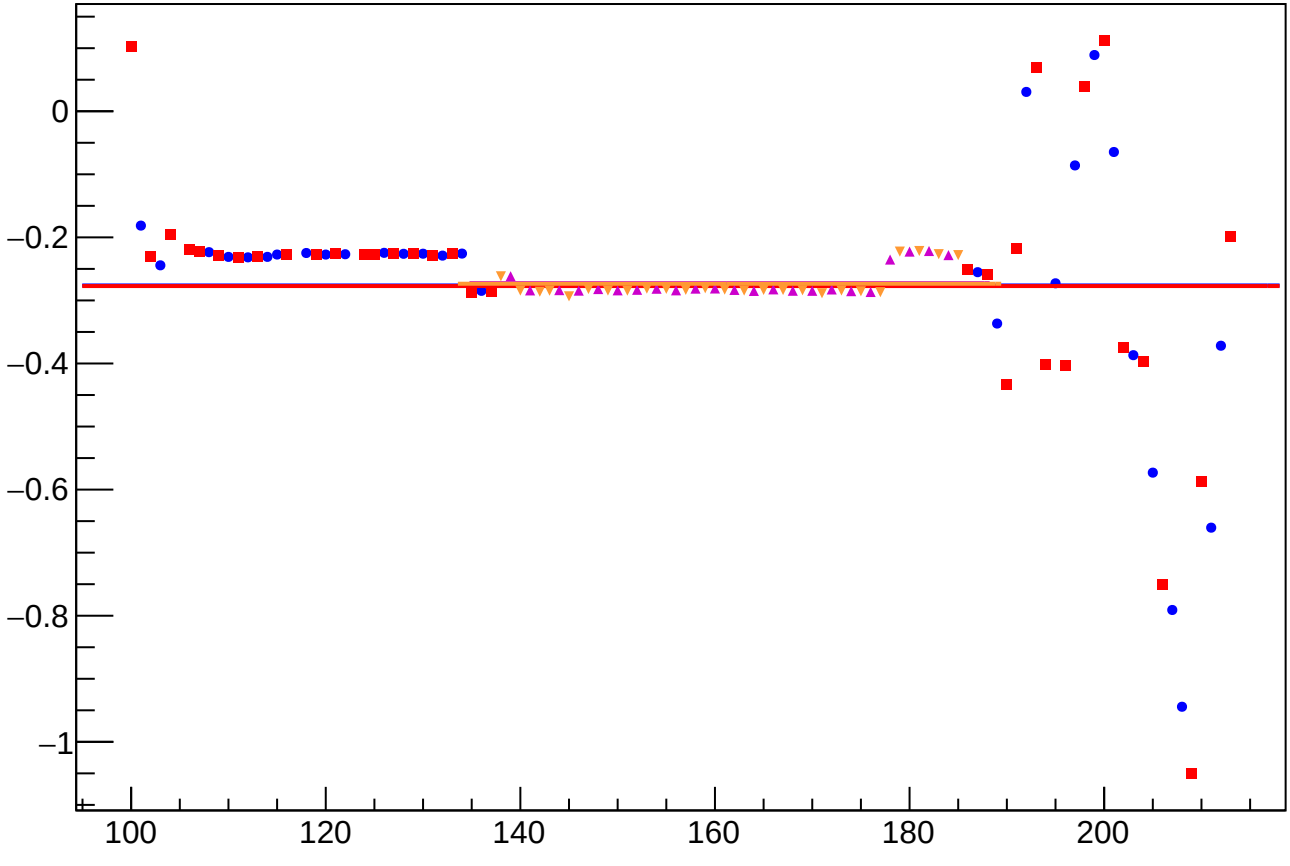
Right: 0.016+/-0.000 χ^2/NDF: 26896604.2/62

In: 0.011+/-0.000 χ^2/NDF:15926337.3/51

Out: 0.011+/-0.000 χ^2/NDF:17418229.5/58

All: 0.011+/-0.000 χ^2/NDF: 33354710.4/110

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.276+/-0.000 χ^2/NDF: 26985769235.0/28

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

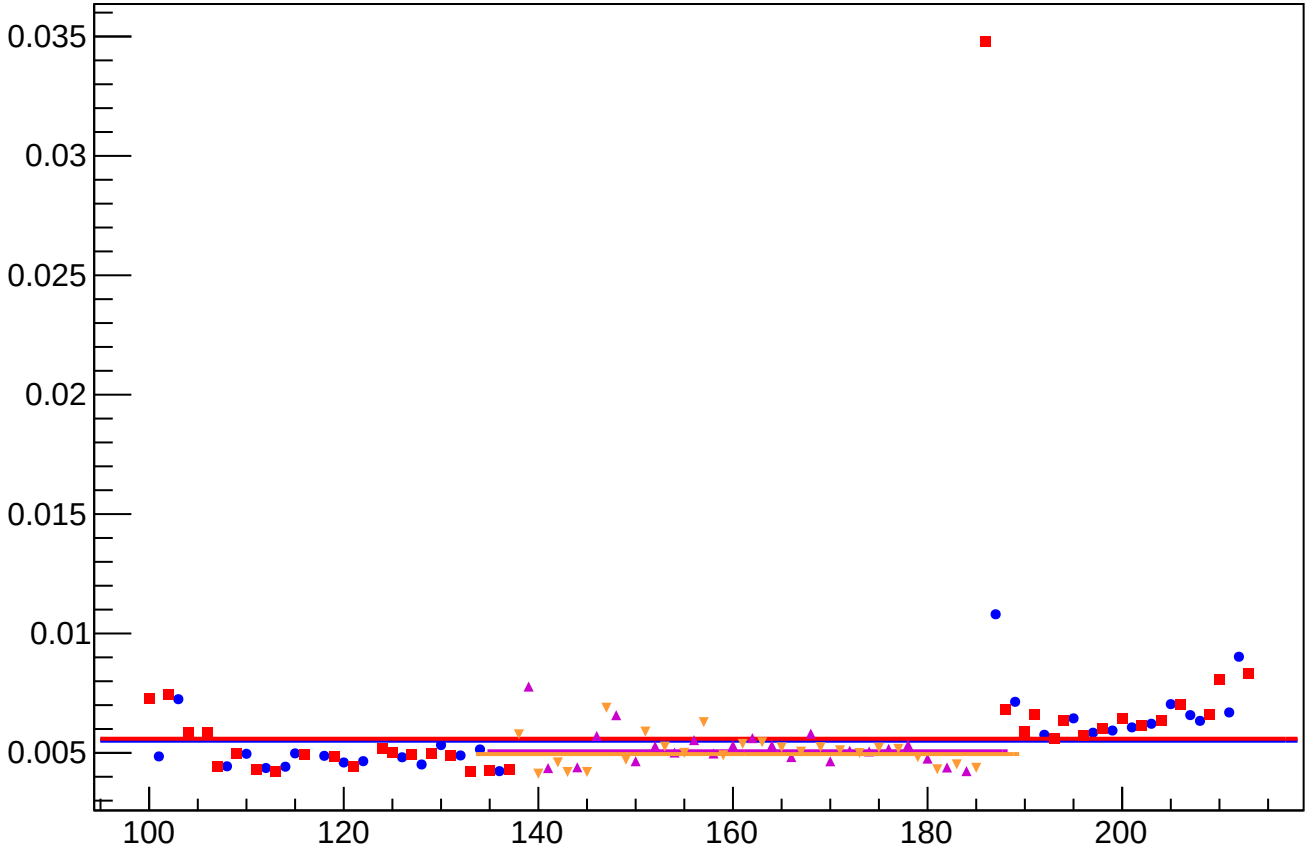
Right: -0.277+/-0.000 χ^2/NDF: 54333634749.7/62

In: -0.274+/-0.000 χ^2/NDF:27324768522.5/51

Out: -0.275+/-0.000 χ^2/NDF:27747444729.4/58

All: -0.275+/-0.000 χ^2/NDF: 55072691221.8/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1161927.1/28

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

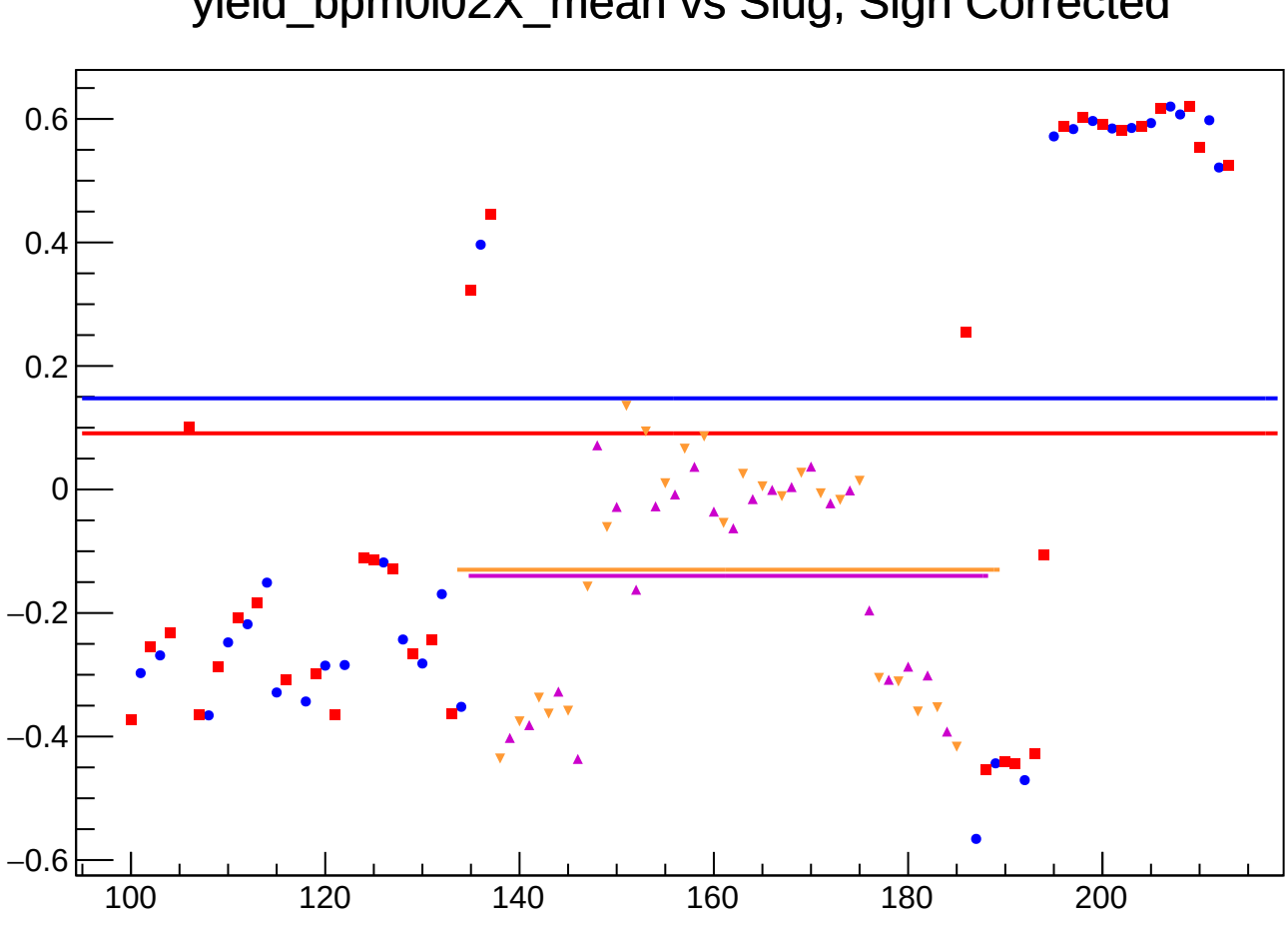
Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

Right: 0.006+/-0.000 χ^2/NDF: 2983802.8/62

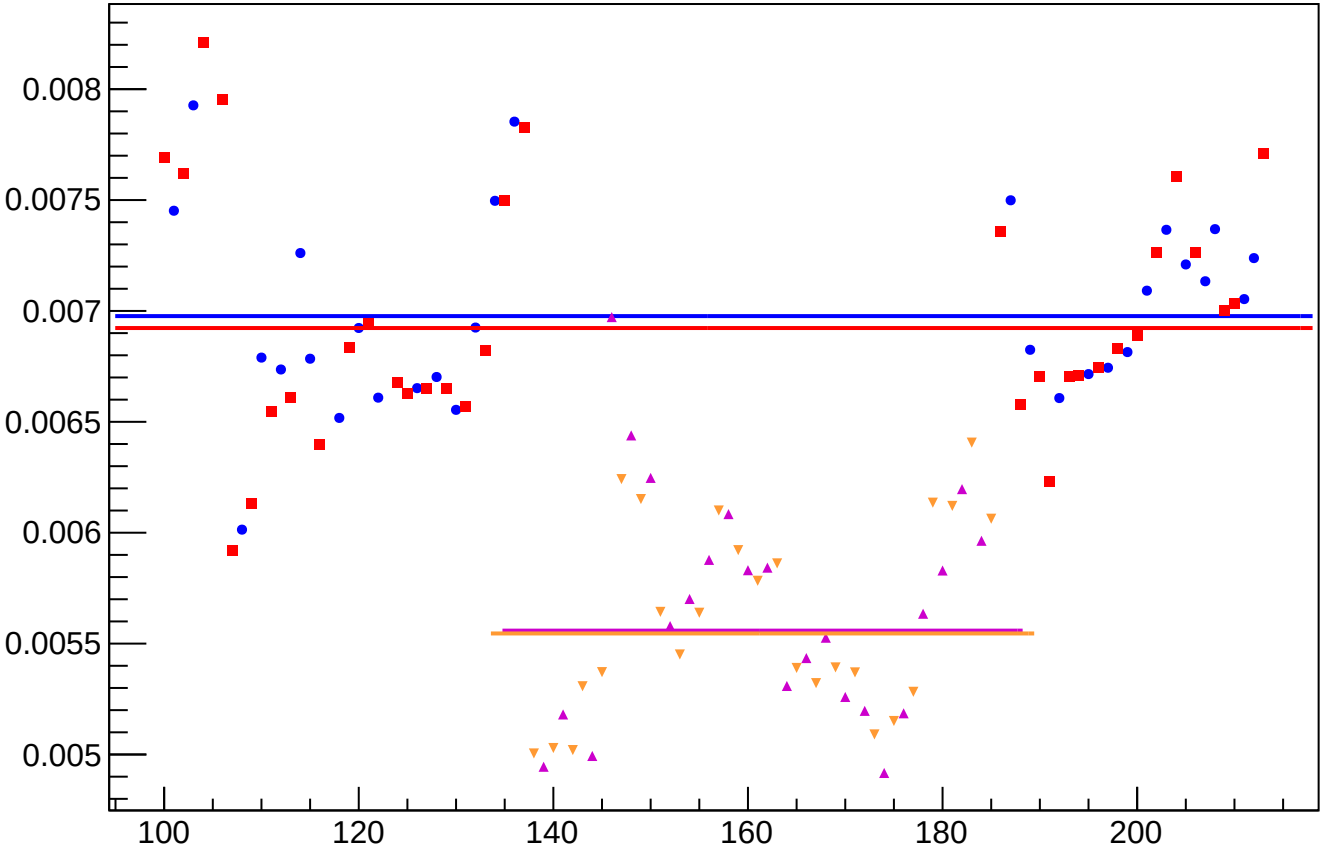
In: 0.005+/-0.000 χ^2/NDF:1815853.7/51

Out: 0.005+/-0.000 χ^2/NDF:2604738.8/58

All: 0.005+/-0.000 χ^2/NDF: 4422348.3/110


yield_bpm0i02X_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.148+/-0.000 χ²/NDF: 71040256924.4/28
Left Out: -0.130+/-0.000 χ²/NDF:21496239338.5/24
Right Out: 0.091+/-0.000 χ²/NDF: 71908585461.2/33
Left In: -0.140+/-0.000 χ²/NDF:15148699439.4/22
Left: -0.135+/-0.000 χ²/NDF: 36673480193.4/47
Right: 0.118+/-0.000 χ²/NDF: 143540508312.9/62
In: -0.029+/-0.000 χ²/NDF:104029063586.1/51
Out: -0.043+/-0.000 χ²/NDF:104859113483.0/58
All: -0.036+/-0.000 χ²/NDF: 208982504007.

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 114451.6/28

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

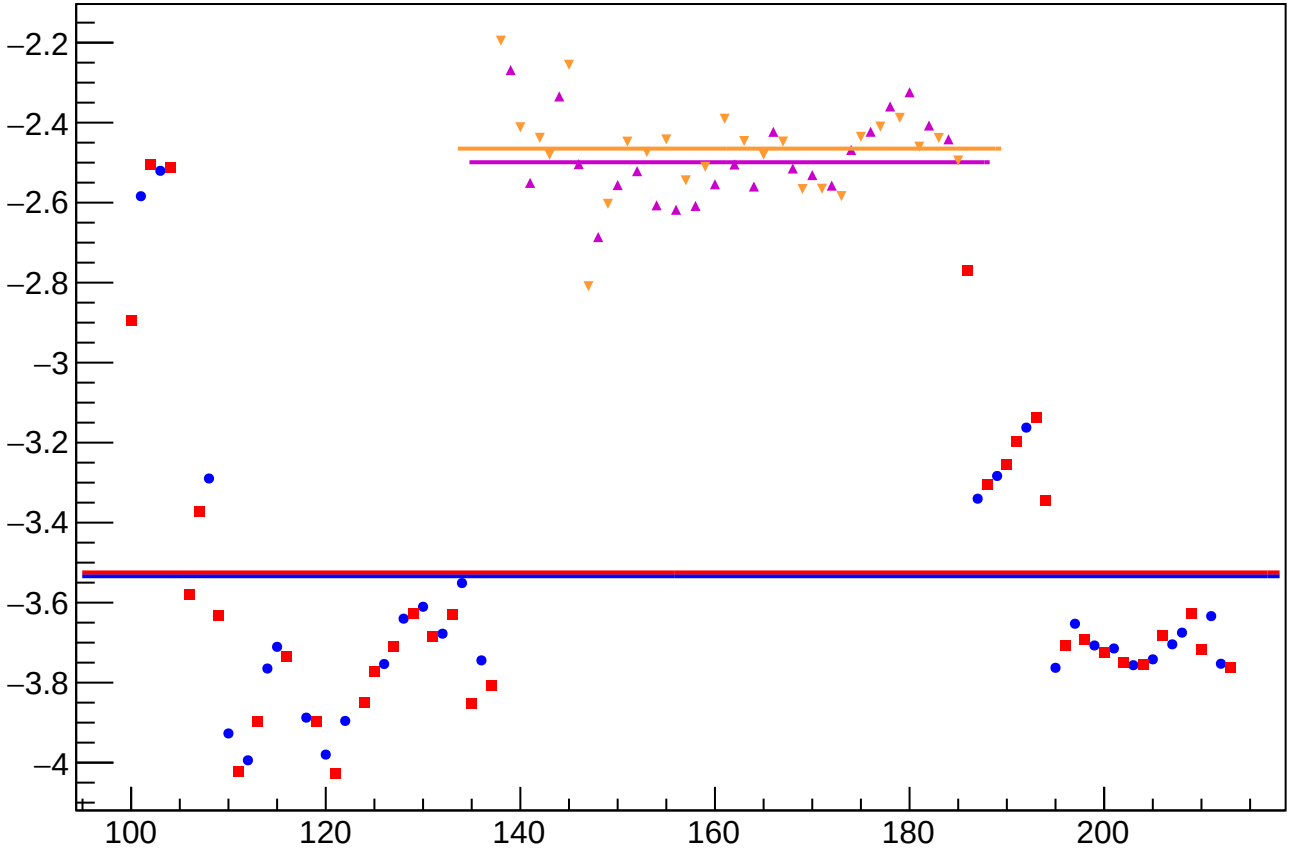
Right: 0.007+/-0.000 χ^2/NDF: 277724.0/62

In: 0.006+/-0.000 χ^2/NDF:1243844.3/51

Out: 0.006+/-0.000 χ^2/NDF:1254730.0/58

All: 0.006+/-0.000 χ^2/NDF: 2498892.0/110

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.534+/-0.000 χ^2/NDF: 33120843029.6/28

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

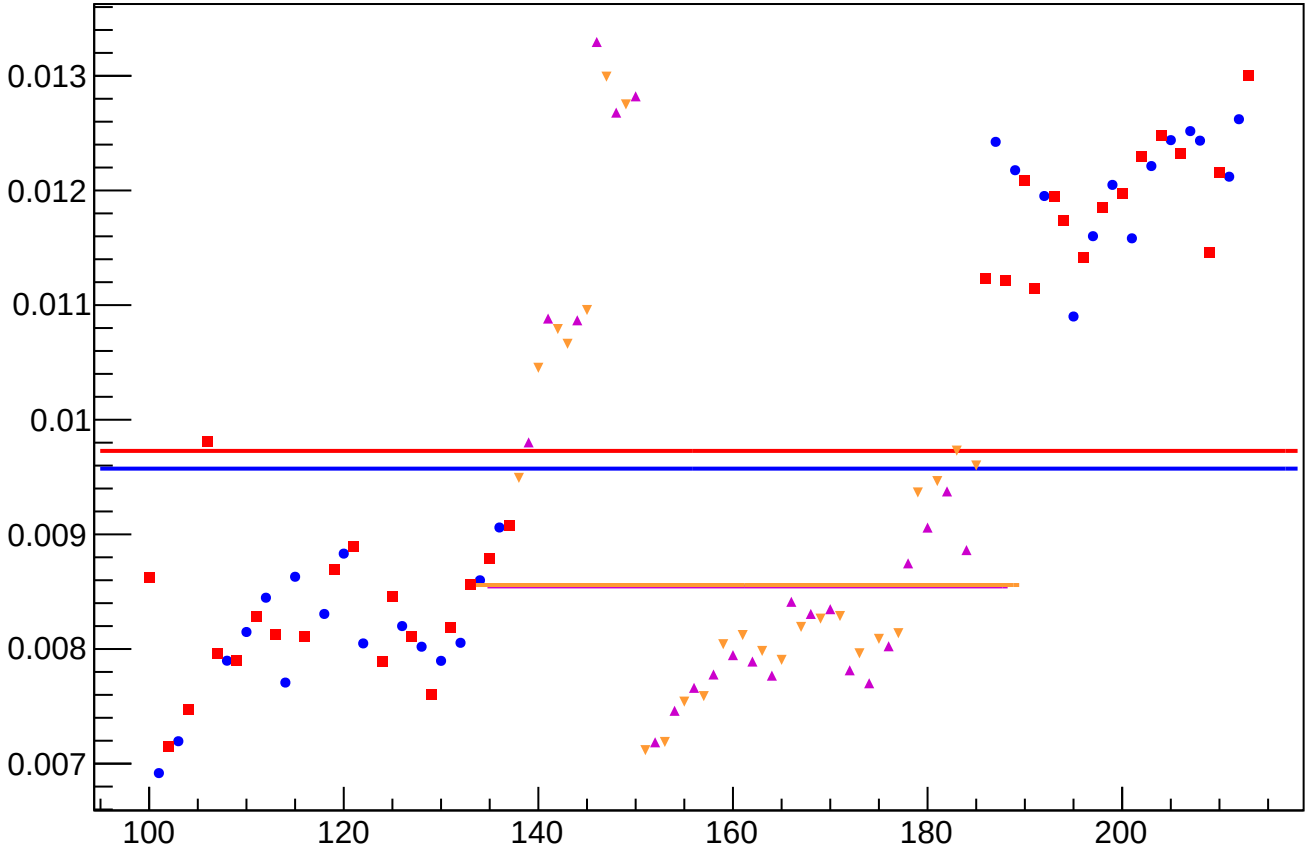
Right: -3.529+/-0.000 χ^2/NDF: 68331952956.2/62

In: -2.946+/-0.000 χ^2/NDF:143726784248.7/51

Out: -2.923+/-0.000 χ^2/NDF:157171422162.2/58

All: -2.934+/-0.000 χ^2/NDF: 301013616867.

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1474096.0/28

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

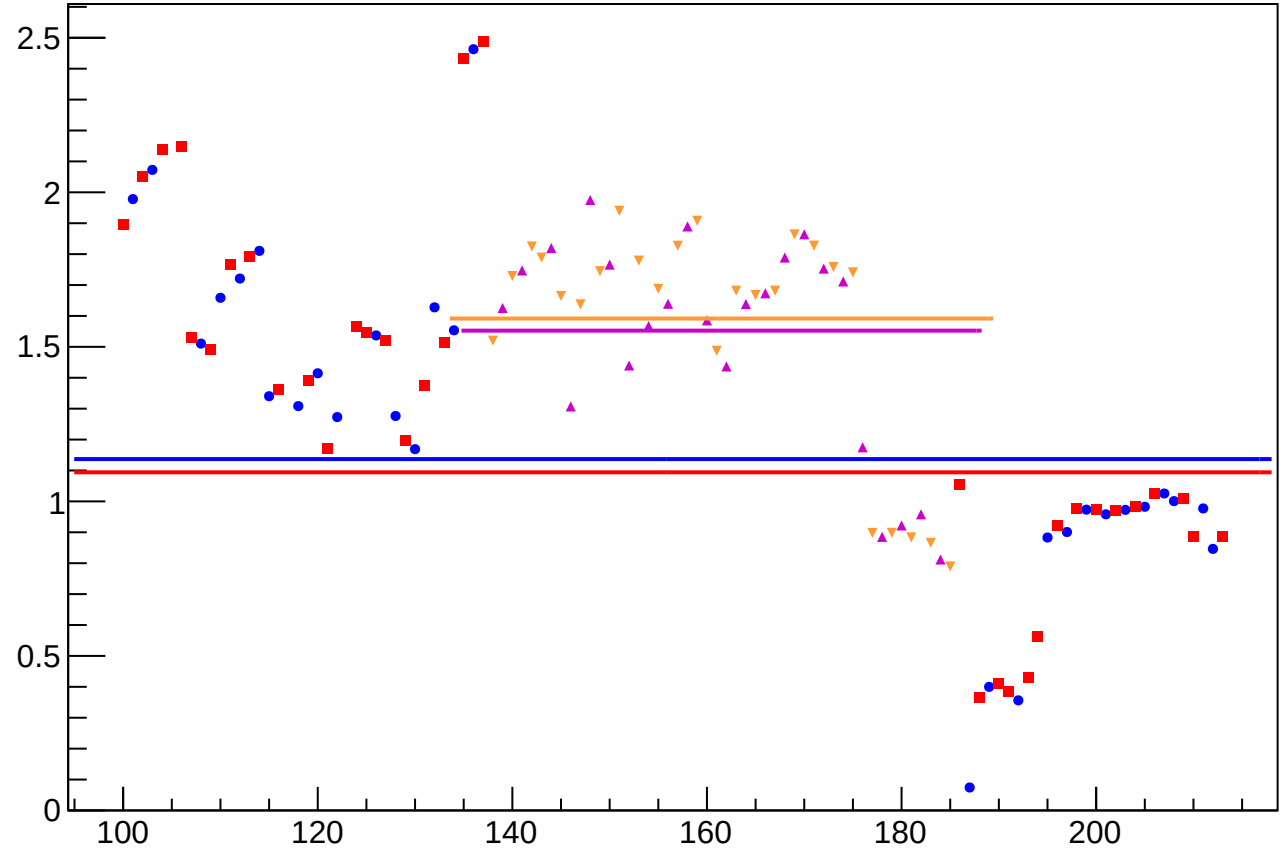
Right: 0.010+/-0.000 χ^2/NDF: 2912024.9/62

In: 0.009+/-0.000 χ^2/NDF:2598475.1/51

Out: 0.009+/-0.000 χ^2/NDF:2549659.0/58

All: 0.009+/-0.000 χ^2/NDF: 5150449.7/110

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.137+/-0.000 χ^2/NDF: 29983680527.0/28

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

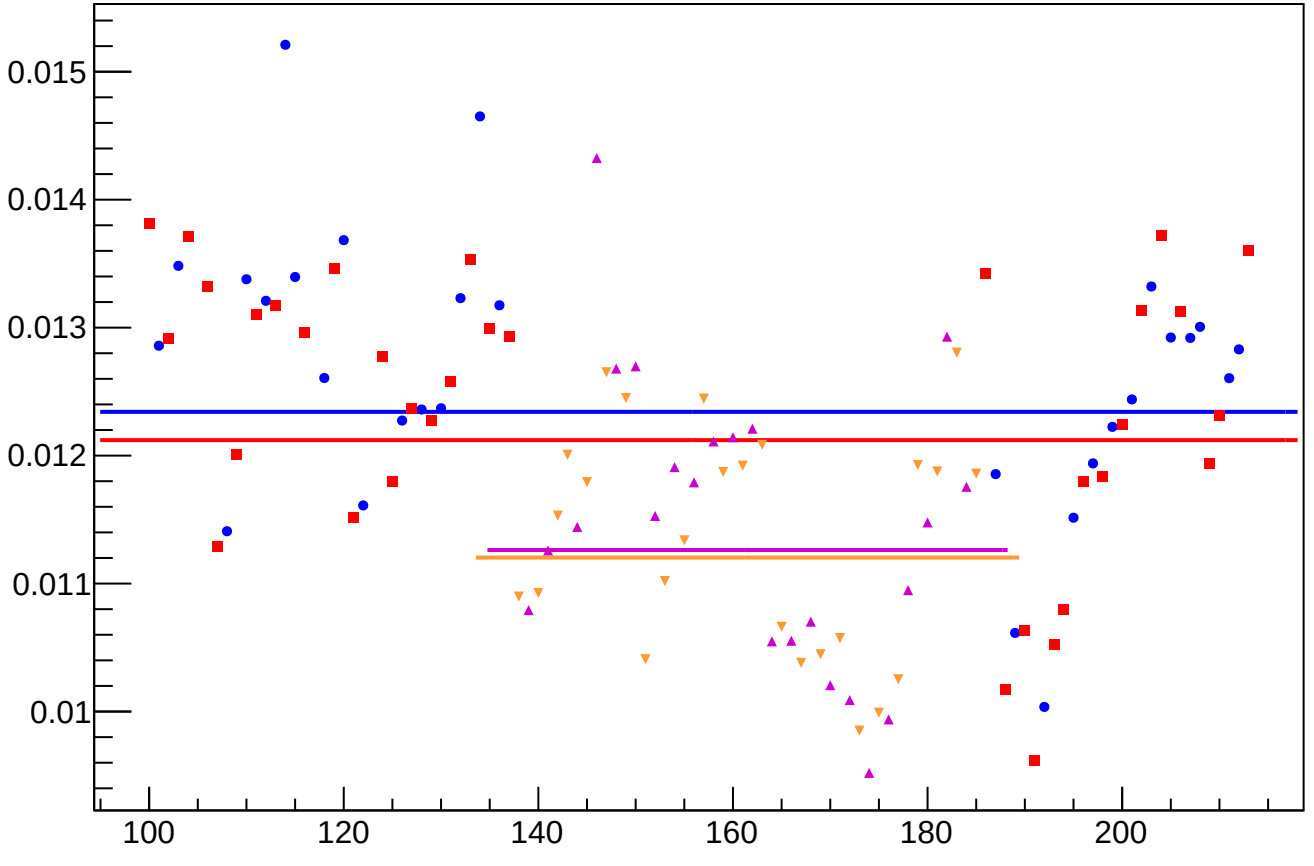
Right: 1.114+/-0.000 χ^2/NDF: 64995569814.0/62

In: 1.366+/-0.000 χ^2/NDF:54639030102.1/51

Out: 1.363+/-0.000 χ^2/NDF:68709916154.7/58

All: 1.364+/-0.000 χ^2/NDF: 123349956705.7

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 237392.4/28

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

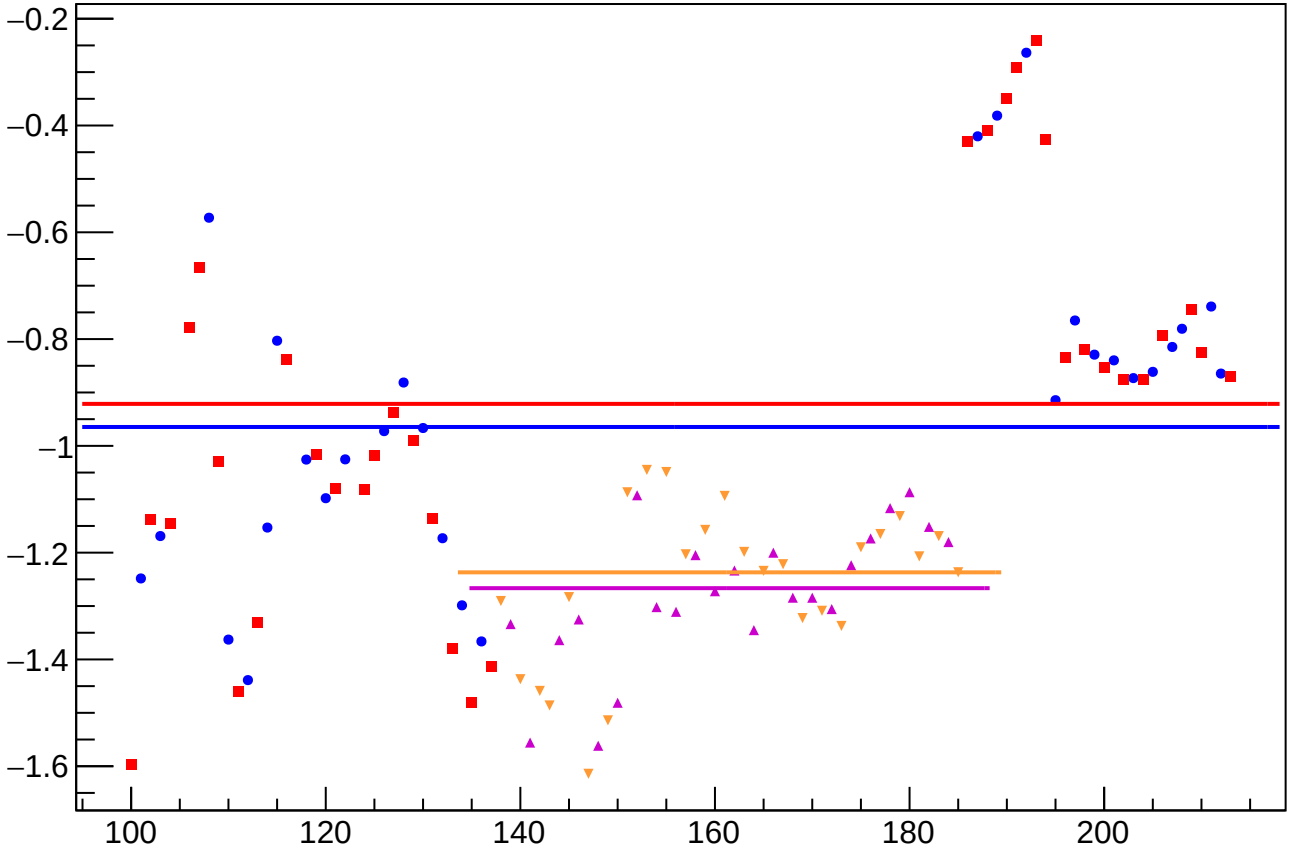
Right: 0.012+/-0.000 χ^2/NDF: 569139.1/62

In: 0.012+/-0.000 χ^2/NDF:692104.4/51

Out: 0.012+/-0.000 χ^2/NDF:663467.7/58

All: 0.012+/-0.000 χ^2/NDF: 1359453.2/110

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -0.965+/-0.000 χ^2/NDF: 12434769868.7/28

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.921+/-0.000 χ^2/NDF: 16974349623.0/33

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

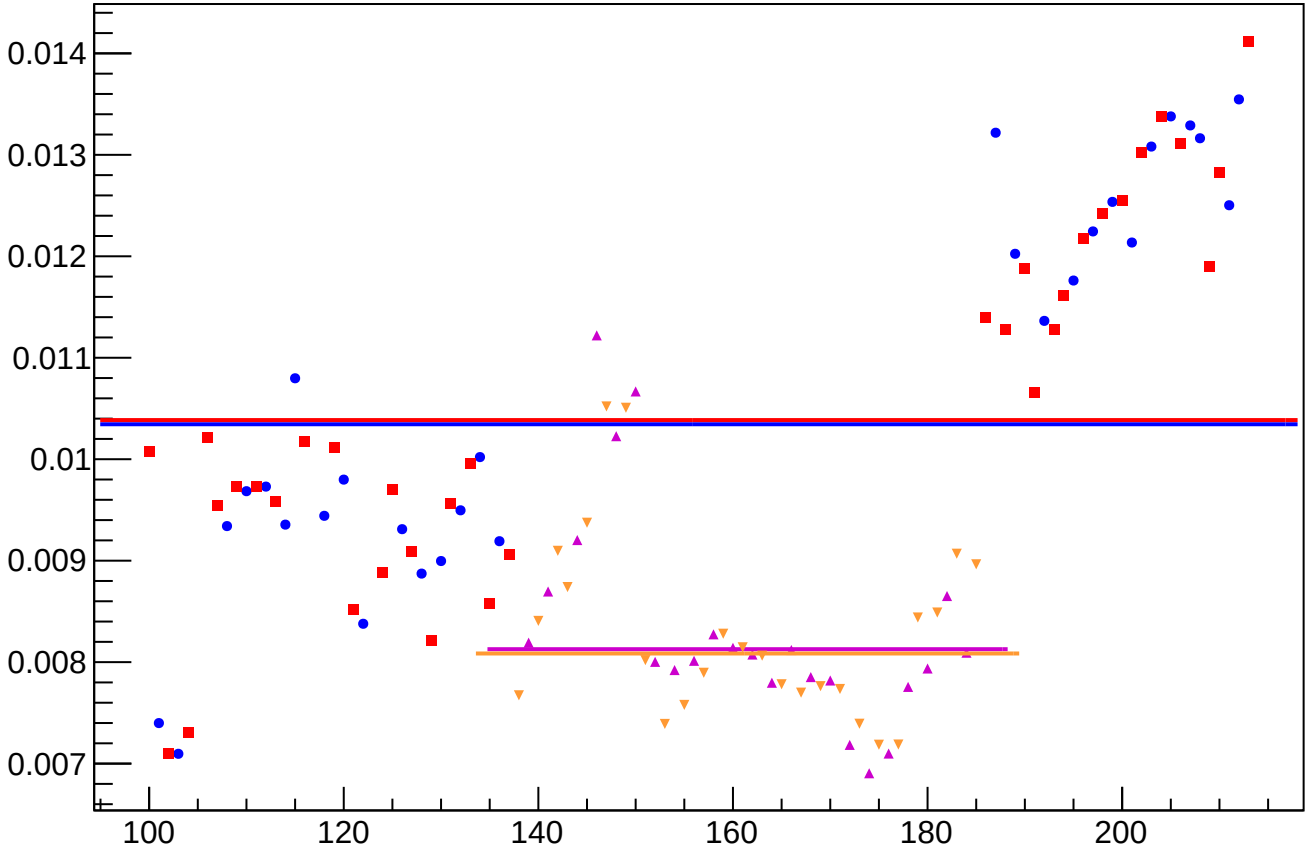
Right: -0.942+/-0.000 χ^2/NDF: 29556826289.3/62

In: -1.155+/-0.000 χ^2/NDF:24842449343.7/51

Out: -1.119+/-0.000 χ^2/NDF:32193642281.4/58

All: -1.137+/-0.000 χ^2/NDF: 57304413114.8/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1269467.5/28

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

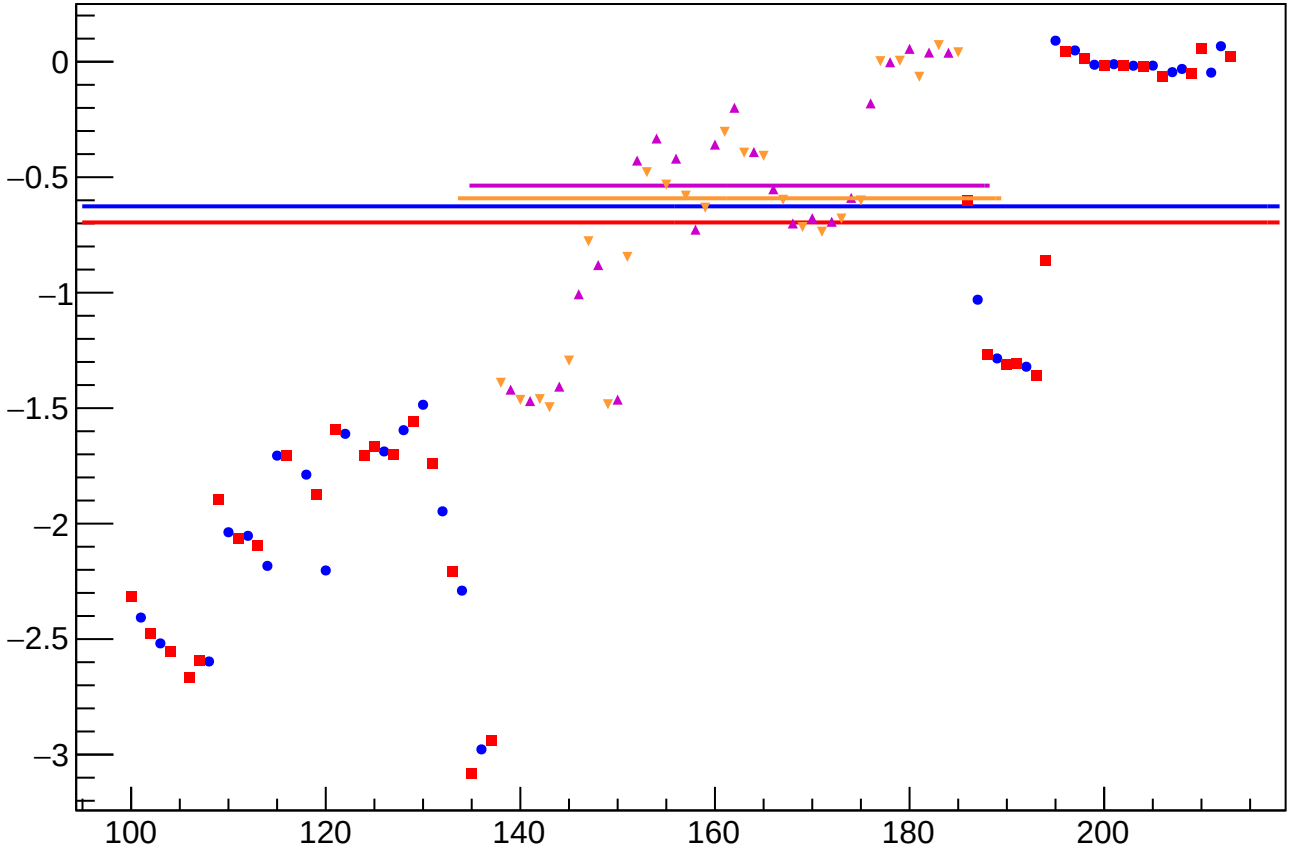
Right: 0.010+/-0.000 χ^2/NDF: 2555209.7/62

In: 0.009+/-0.000 χ^2/NDF:2620536.2/51

Out: 0.009+/-0.000 χ^2/NDF:2701833.8/58

All: 0.009+/-0.000 χ^2/NDF: 5322382.2/110

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -0.626+/-0.000 χ^2/NDF: 394580348989.1/28

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.696+/-0.000 χ^2/NDF: 429475885817.6/33

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

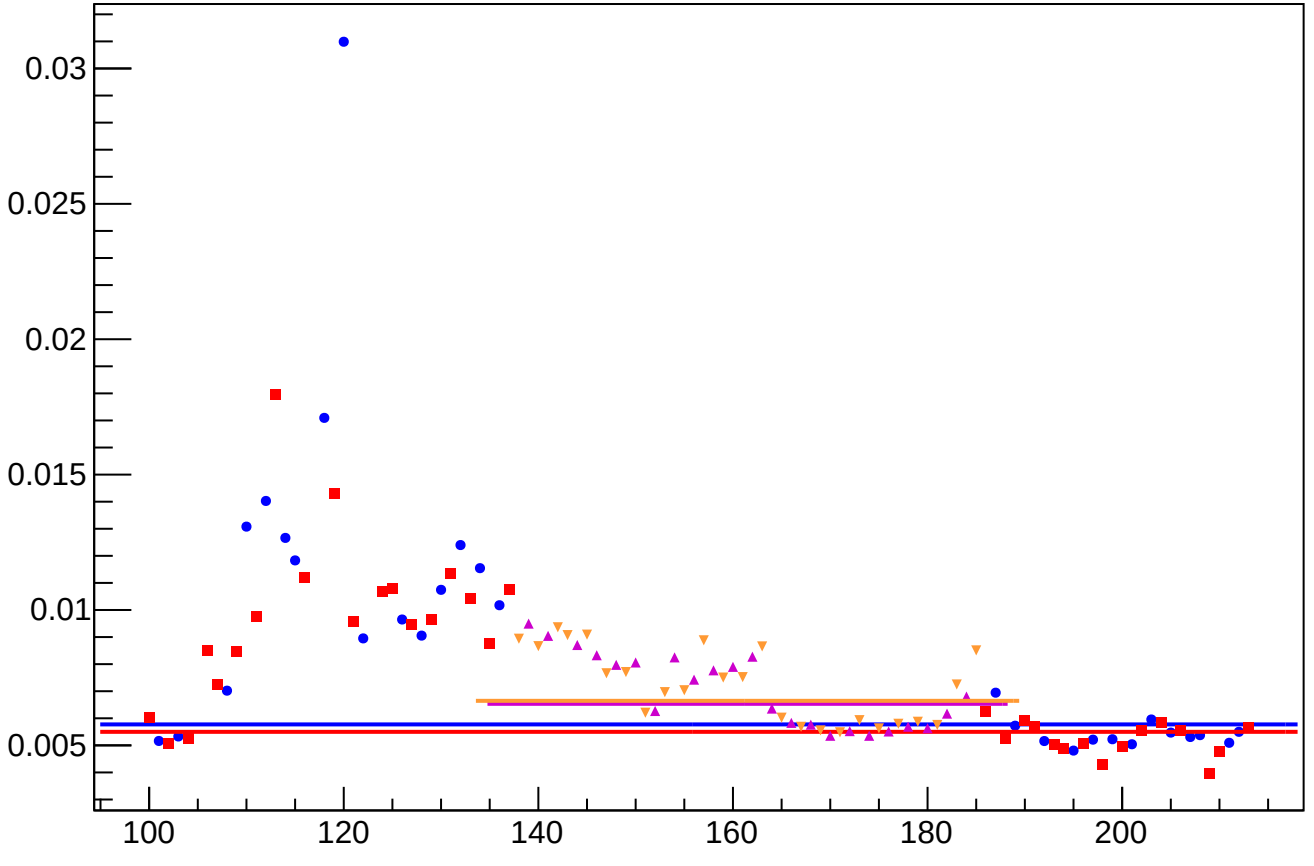
Right: -0.664+/-0.000 χ^2/NDF: 825189651005.6/62

In: -0.584+/-0.000 χ^2/NDF:466345115745.5/51

Out: -0.651+/-0.000 χ^2/NDF:504546923231.4/58

All: -0.620+/-0.000 χ^2/NDF: 972789163505.1

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2541629.4/28

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

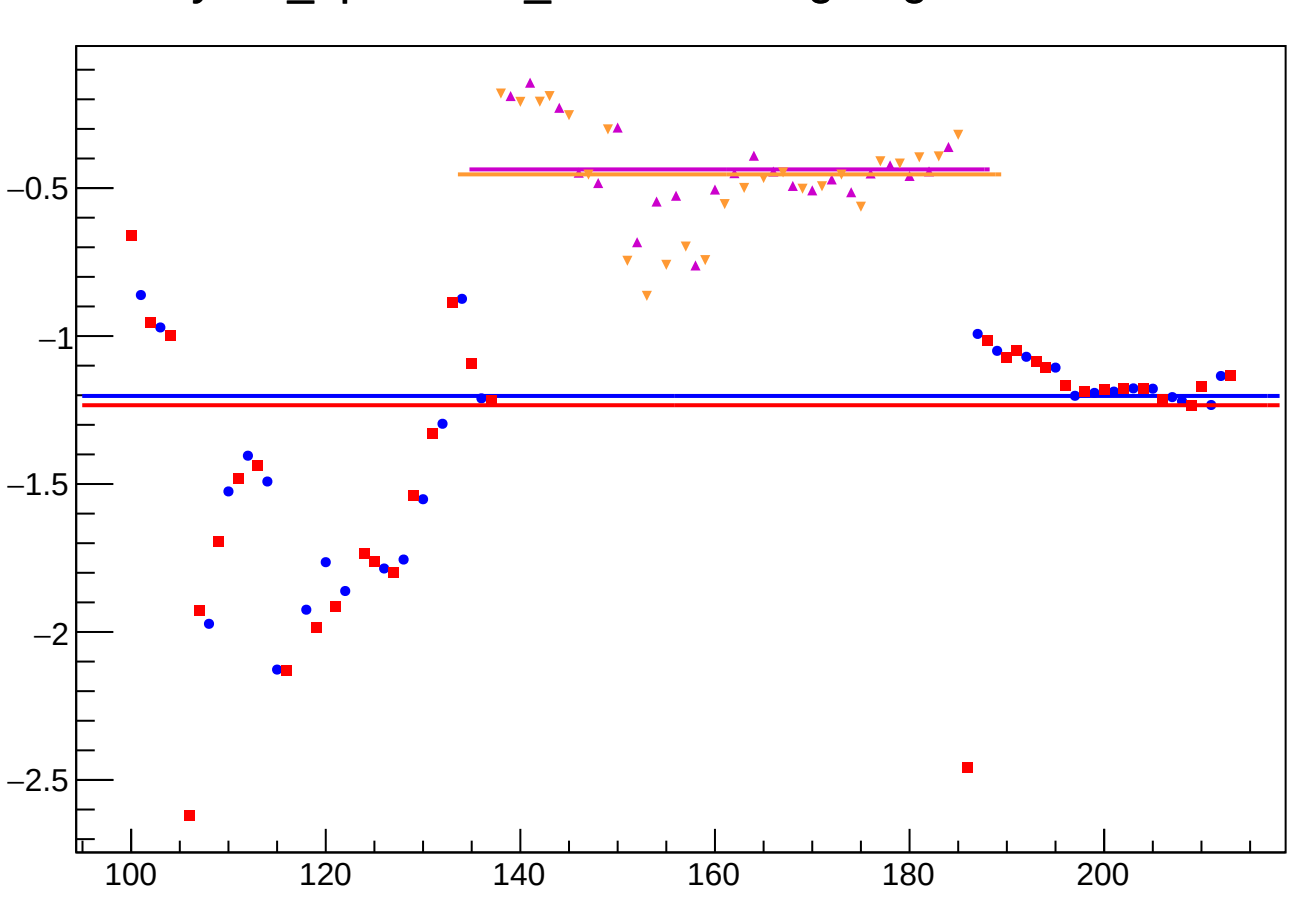
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 5253139.2/62

In: 0.006+/-0.000 χ^2/NDF:3922254.3/51

Out: 0.006+/-0.000 χ^2/NDF:4341078.3/58

All: 0.006+/-0.000 χ^2/NDF: 8280475.5/110



Right In: -1.202+/-0.000 χ^2/NDF: 27344673992.5/28

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.234+/-0.000 χ^2/NDF: 72815210638.7/33

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

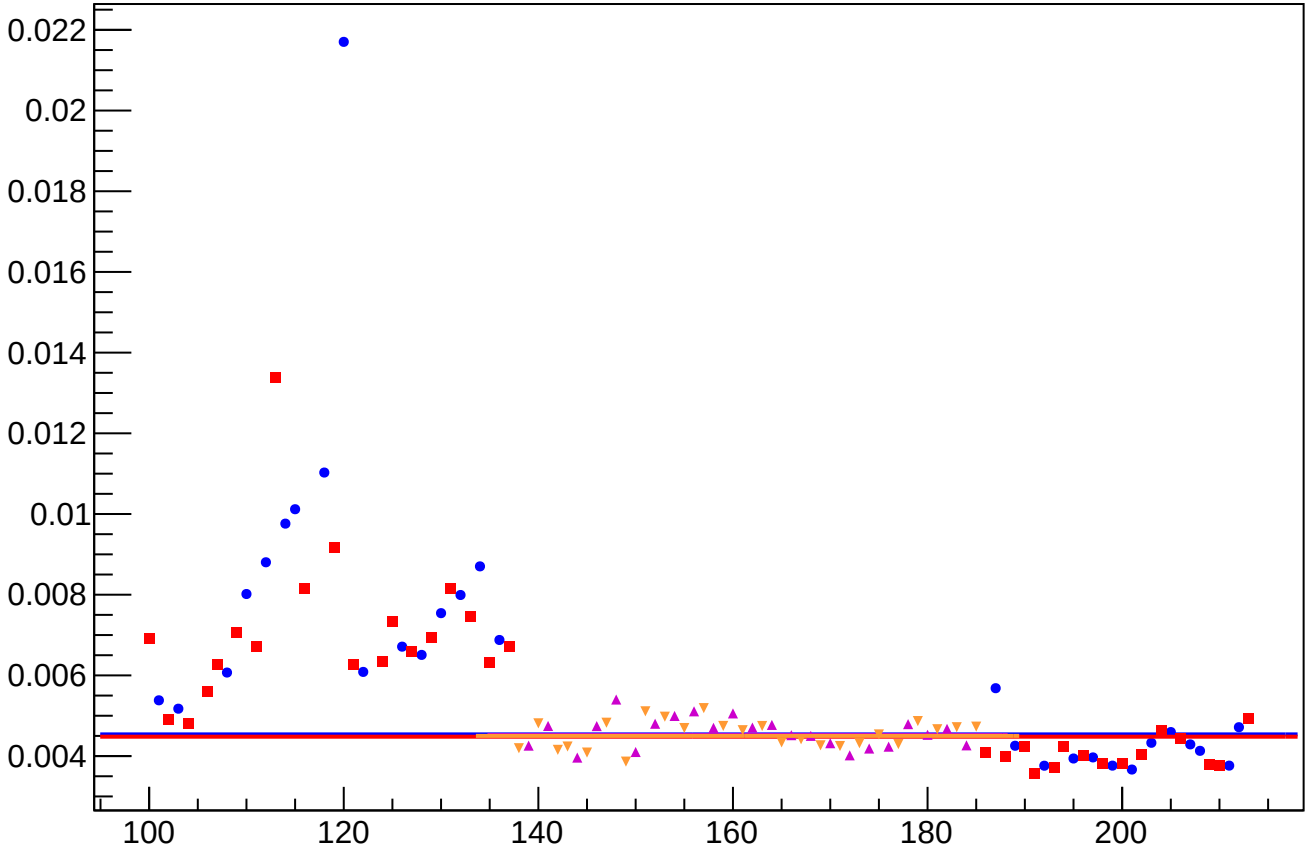
Right: -1.219+/-0.000 χ^2/NDF: 100524446365.8/62

In: -0.789+/-0.000 χ^2/NDF:263882962643.6/51

Out: -0.825+/-0.000 χ^2/NDF:354263551000.9/58

All: -0.808+/-0.000 χ^2/NDF: 619174909590.4

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2247004.8/28

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

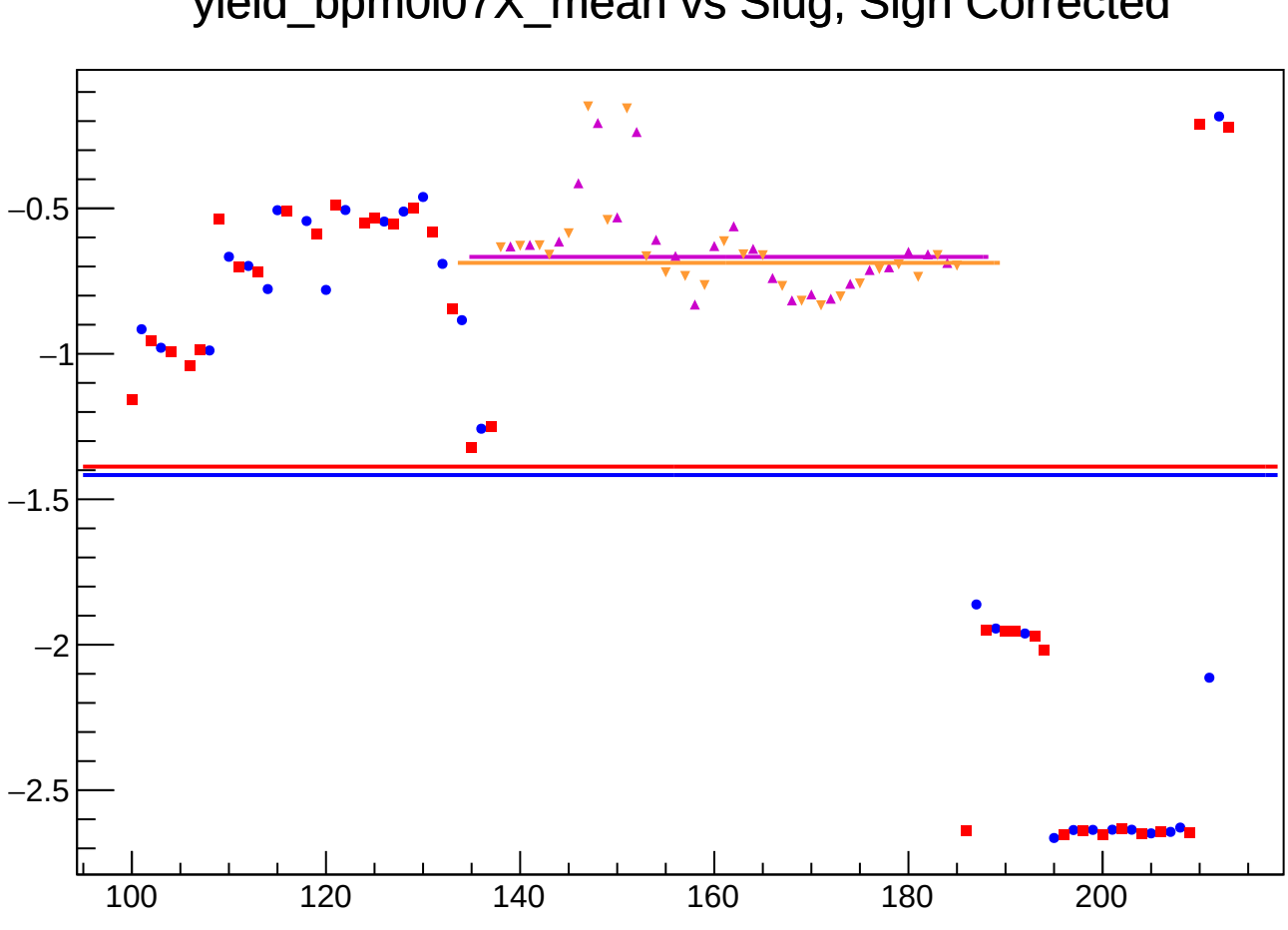
Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

Right: 0.005+/-0.000 χ^2/NDF: 4229426.3/62

In: 0.005+/-0.000 χ^2/NDF:2459287.7/51

Out: 0.004+/-0.000 χ^2/NDF:2169565.3/58

All: 0.005+/-0.000 χ^2/NDF: 4631049.1/110



Right In: -1.417+/-0.000 χ^2/NDF: 432947015790.7/28

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

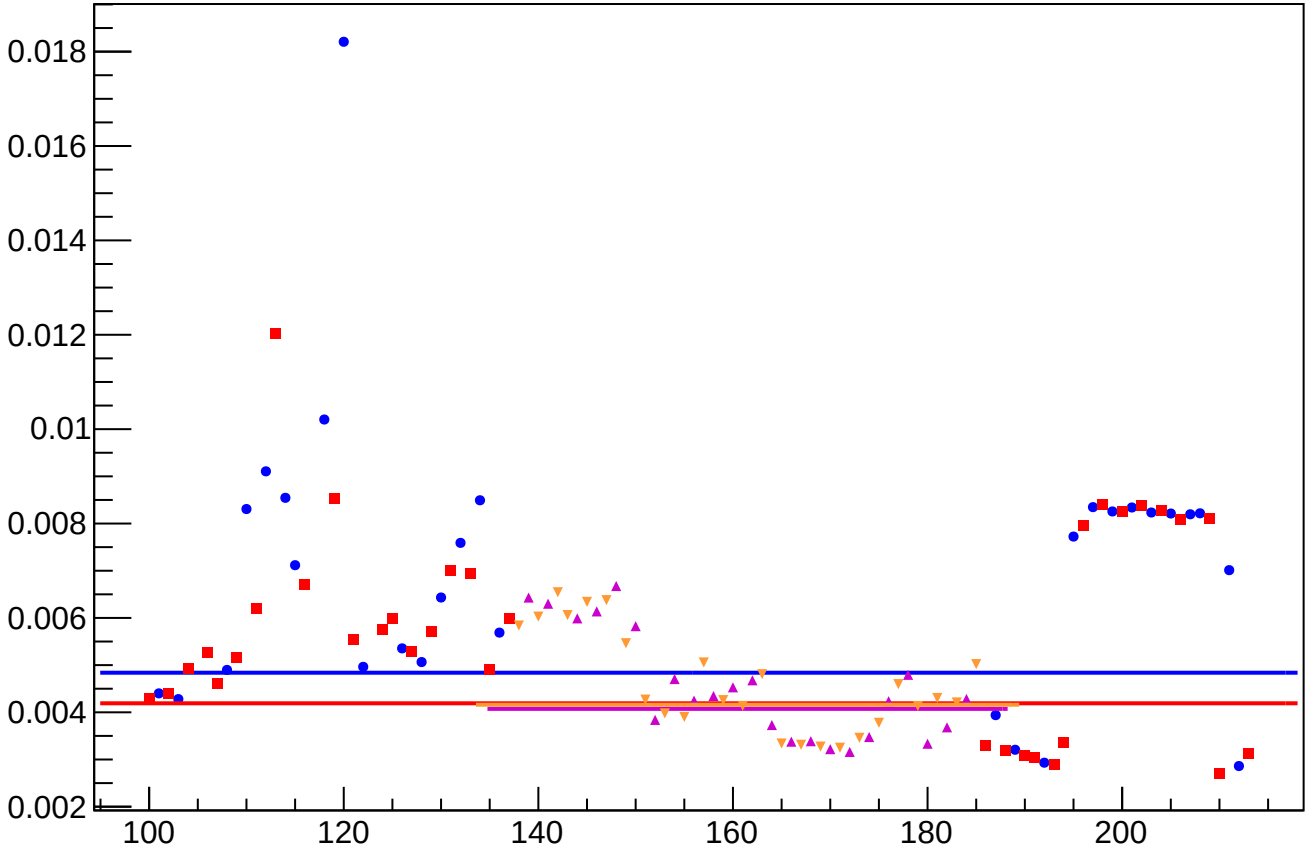
Right: -1.399+/-0.000 χ^2/NDF: 1087557554838.6/6

In: -0.947+/-0.000 χ^2/NDF:655666374681.5/51

Out: -1.013+/-0.000 χ^2/NDF:896624747790.6/58

All: -0.983+/-0.000 χ^2/NDF: 1555796997114

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 5380349.2/28

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

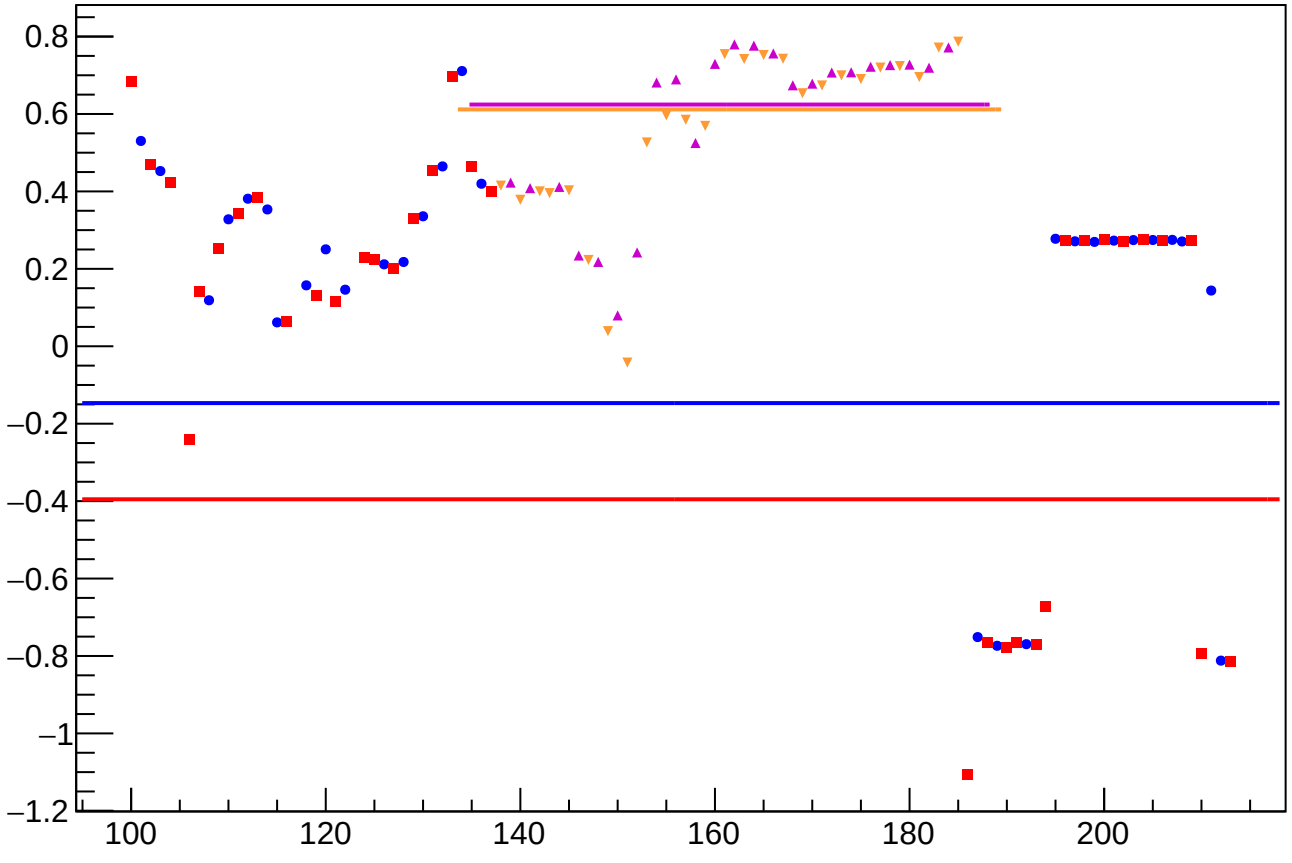
Right: 0.004+/-0.000 χ^2/NDF: 11230037.7/62

In: 0.004+/-0.000 χ^2/NDF:7548830.1/51

Out: 0.004+/-0.000 χ^2/NDF:7086227.8/58

All: 0.004+/-0.000 χ^2/NDF: 14691327.8/110

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.147+/-0.000 χ^2/NDF: 369007190423.0/28

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

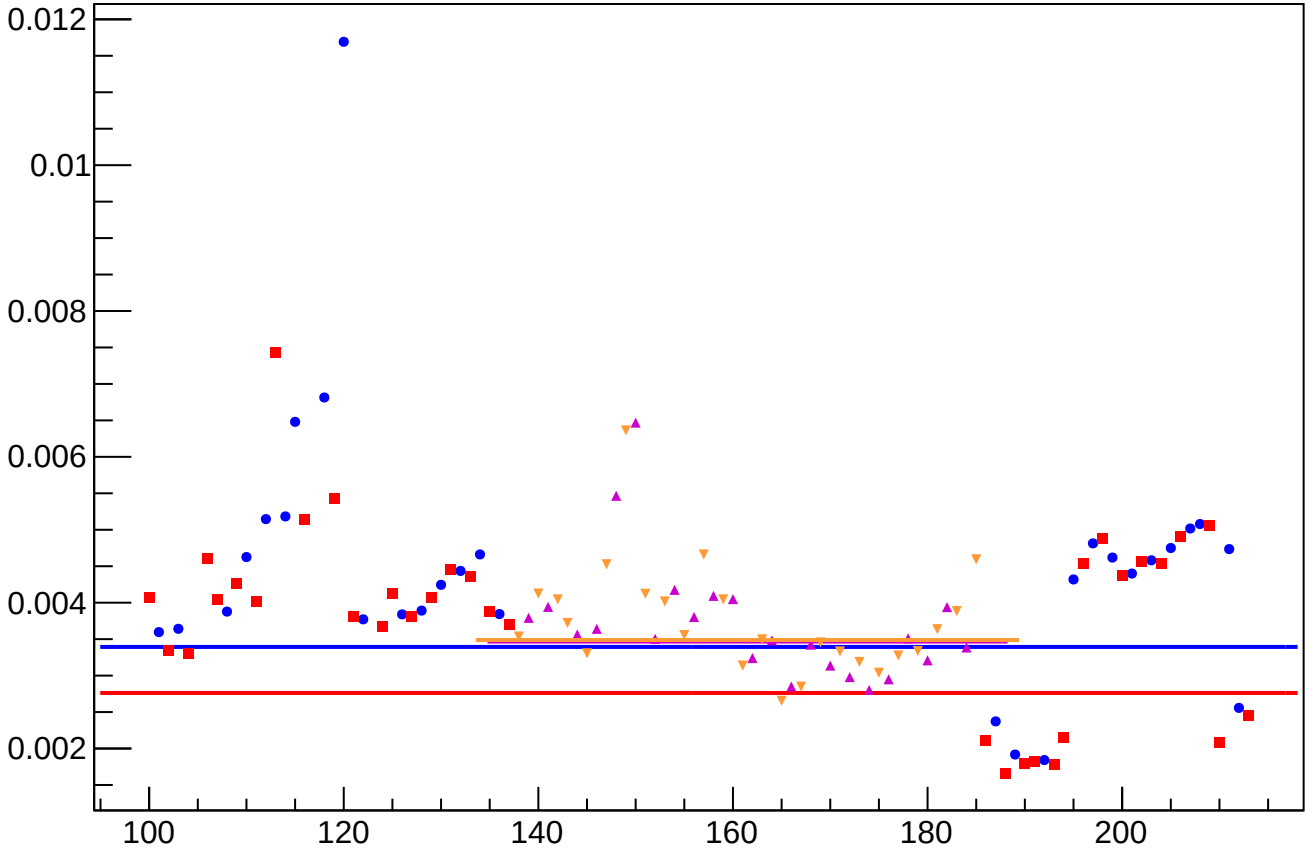
Right: -0.298+/-0.000 χ^2/NDF: 973487562327.3/62

In: 0.244+/-0.000 χ^2/NDF:780877301380.9/51

Out: 0.014+/-0.000 χ^2/NDF:1398191147518.1/58

All: 0.114+/-0.000 χ^2/NDF: 2254077815508.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4030750.4/28

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

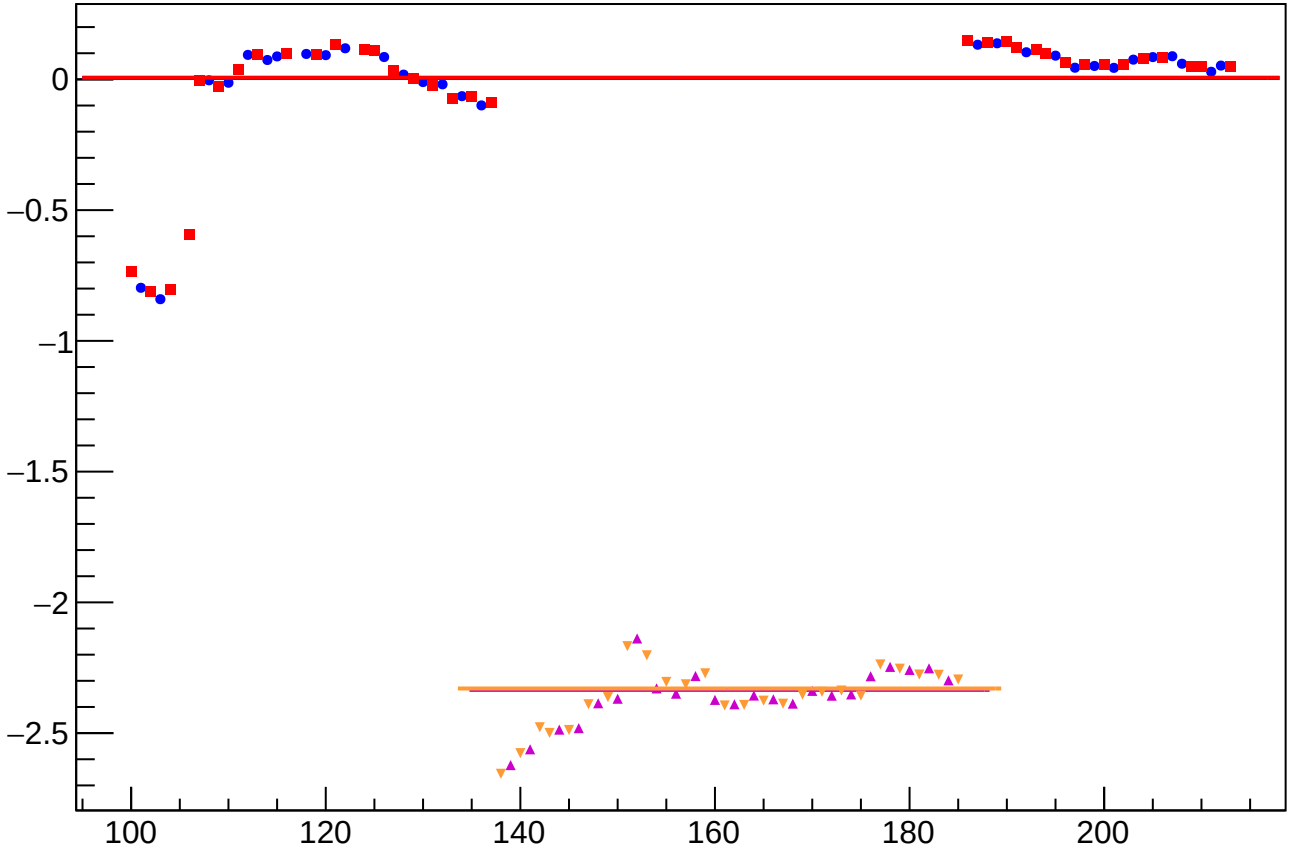
Right: 0.003+/-0.000 χ^2/NDF: 10062730.6/62

In: 0.003+/-0.000 χ^2/NDF:4931646.4/51

Out: 0.003+/-0.000 χ^2/NDF:7109192.1/58

All: 0.003+/-0.000 χ^2/NDF: 12435634.4/110

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 6565983504.9/28

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

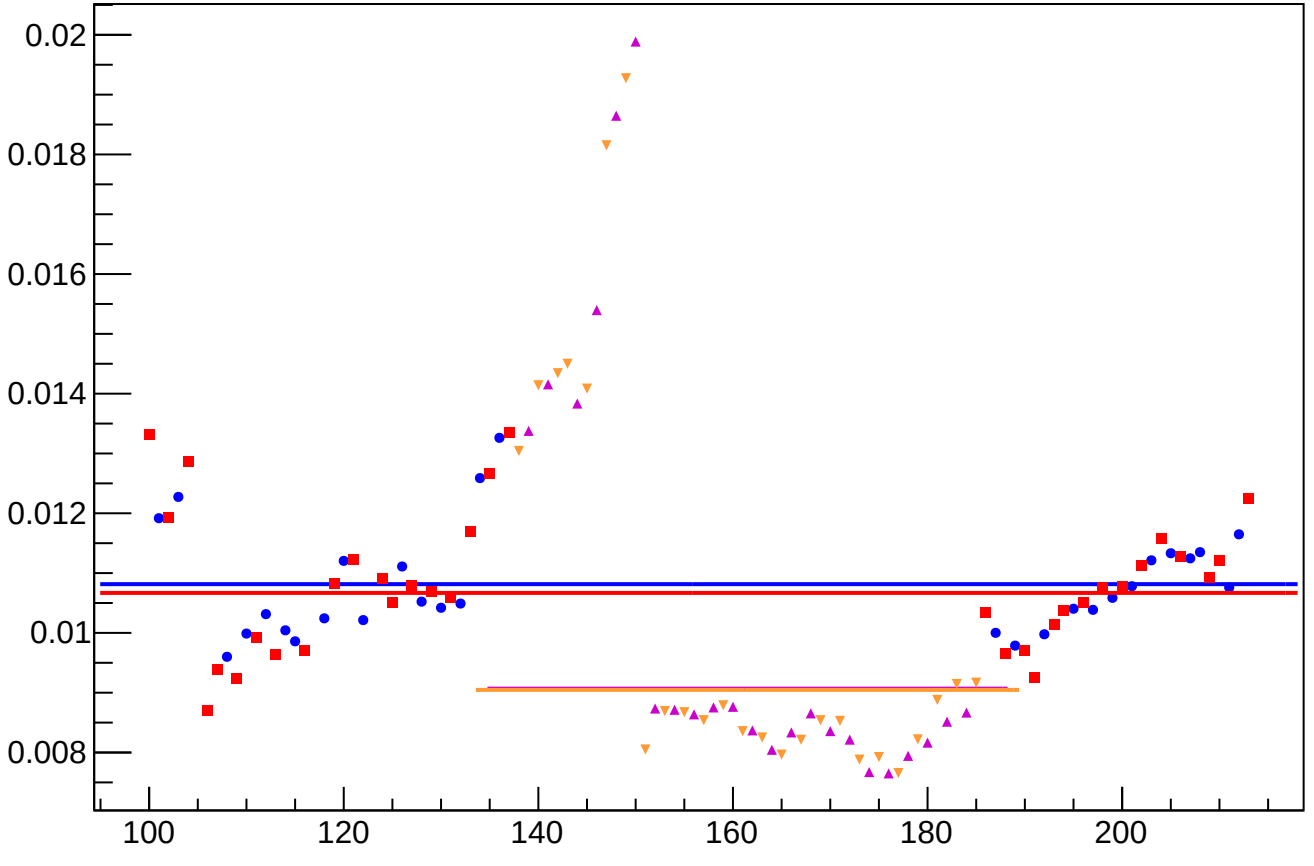
Right: 0.006+/-0.000 χ^2/NDF: 14403323639.2/62

In: -1.366+/-0.000 χ^2/NDF:480937798213.6/51

Out: -1.335+/-0.000 χ^2/NDF:526070206254.6/58

All: -1.350+/-0.000 χ^2/NDF: 1007195484276

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 192588.6/28

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

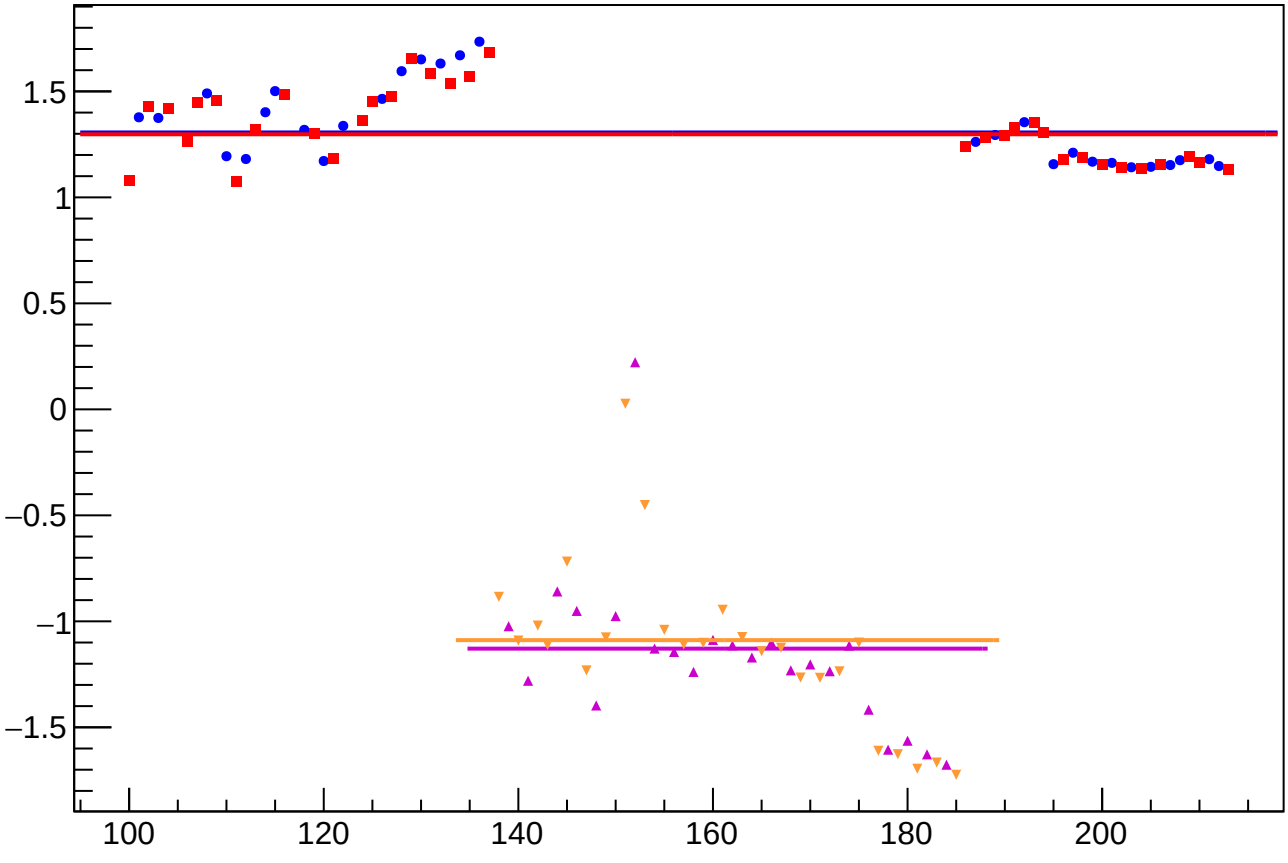
Right: 0.011+/-0.000 χ^2/NDF: 487028.2/62

In: 0.010+/-0.000 χ^2/NDF:2853702.3/51

Out: 0.010+/-0.000 χ^2/NDF:2837353.1/58

All: 0.010+/-0.000 χ^2/NDF: 5692115.0/110

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.306+/-0.000 χ^2/NDF: 8895056931.2/28

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

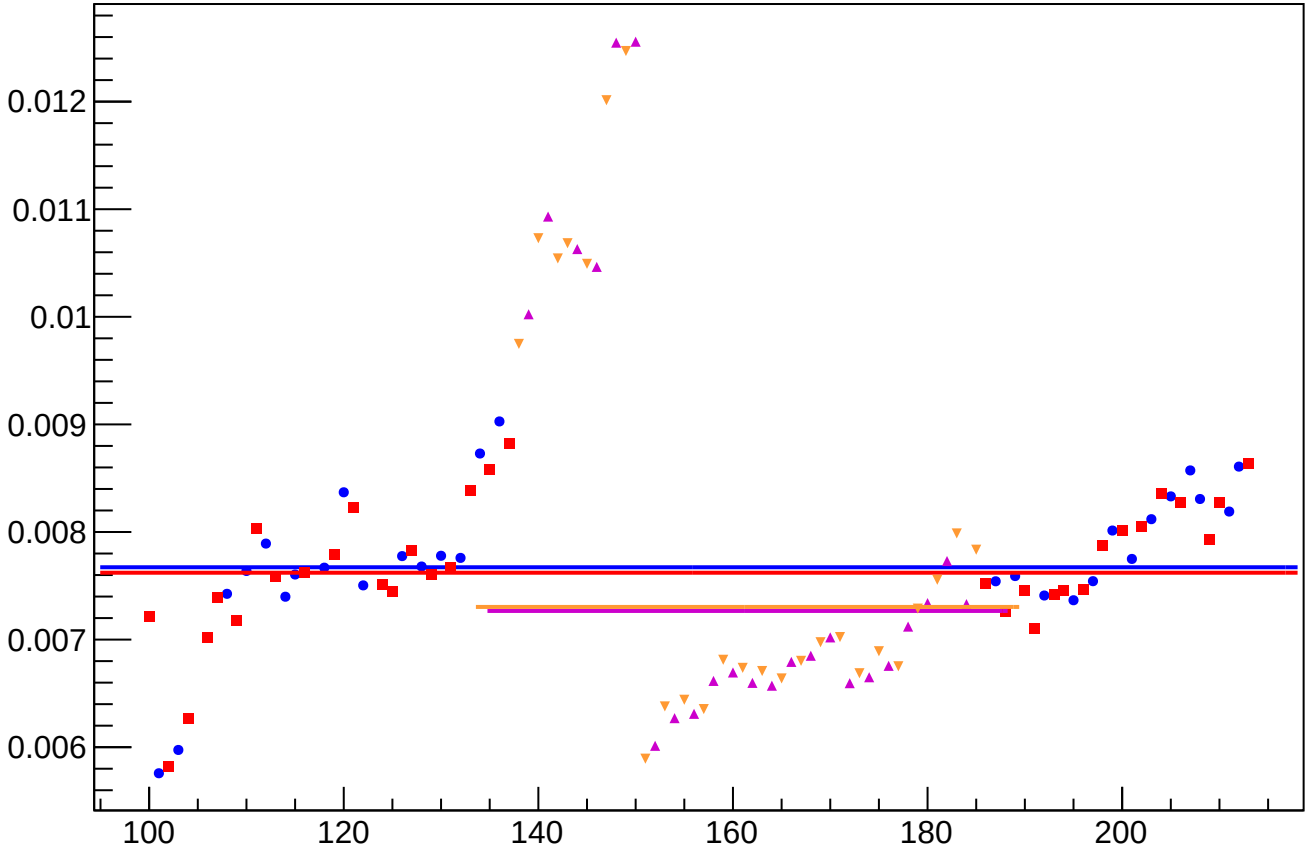
Right: 1.302+/-0.000 χ^2/NDF: 16006741663.8/62

In: 0.011+/-0.000 χ^2/NDF:985933277449.9/51

Out: 0.063+/-0.000 χ^2/NDF:1020802576513.7/58

All: 0.038+/-0.000 χ^2/NDF: 2007626858732.

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 378418.6/28

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

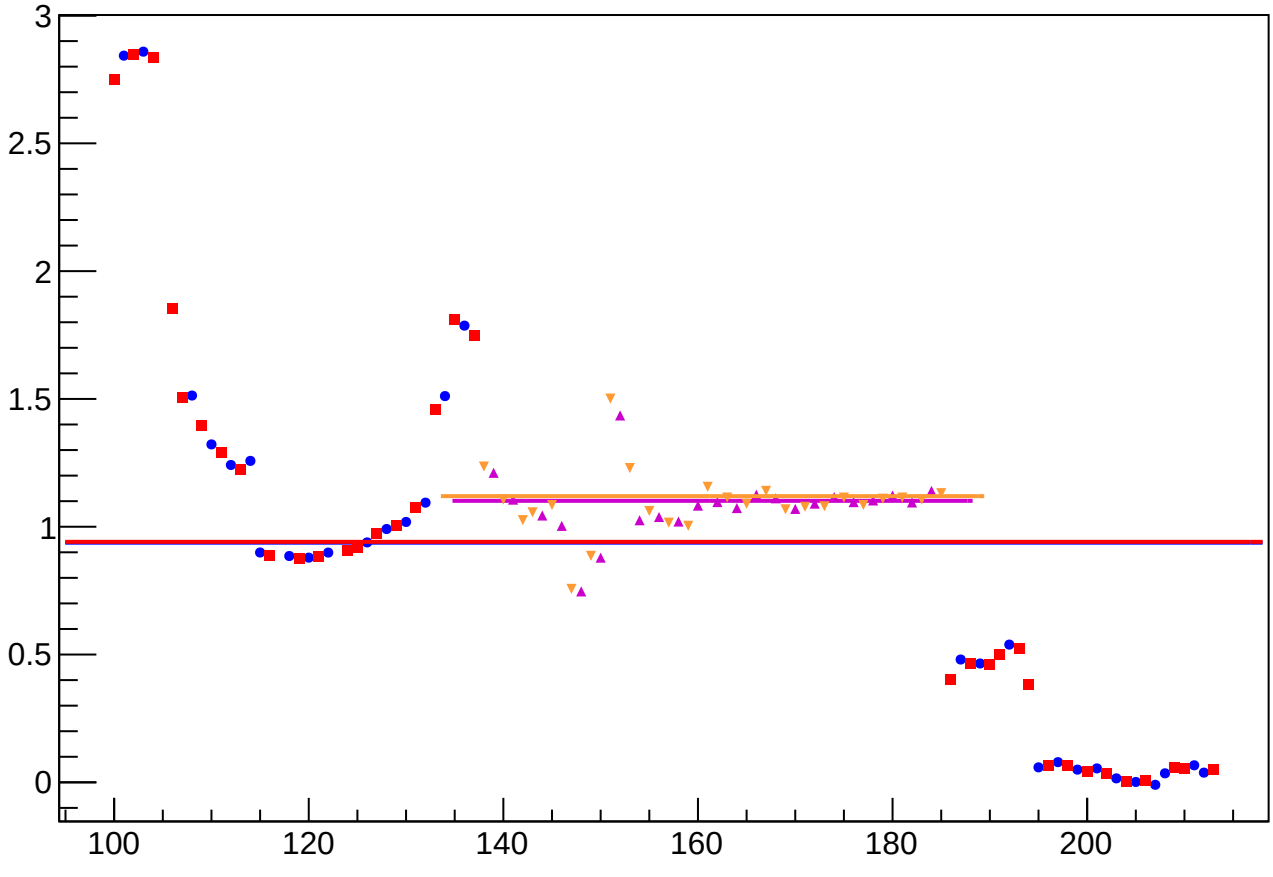
Right: 0.008+/-0.000 χ^2/NDF: 682027.8/62

In: 0.007+/-0.000 χ^2/NDF:1989565.8/51

Out: 0.007+/-0.000 χ^2/NDF:1840741.6/58

All: 0.007+/-0.000 χ^2/NDF: 3830307.7/110

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 0.938+/-0.000 χ^2/NDF: 148596449678.5/28

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

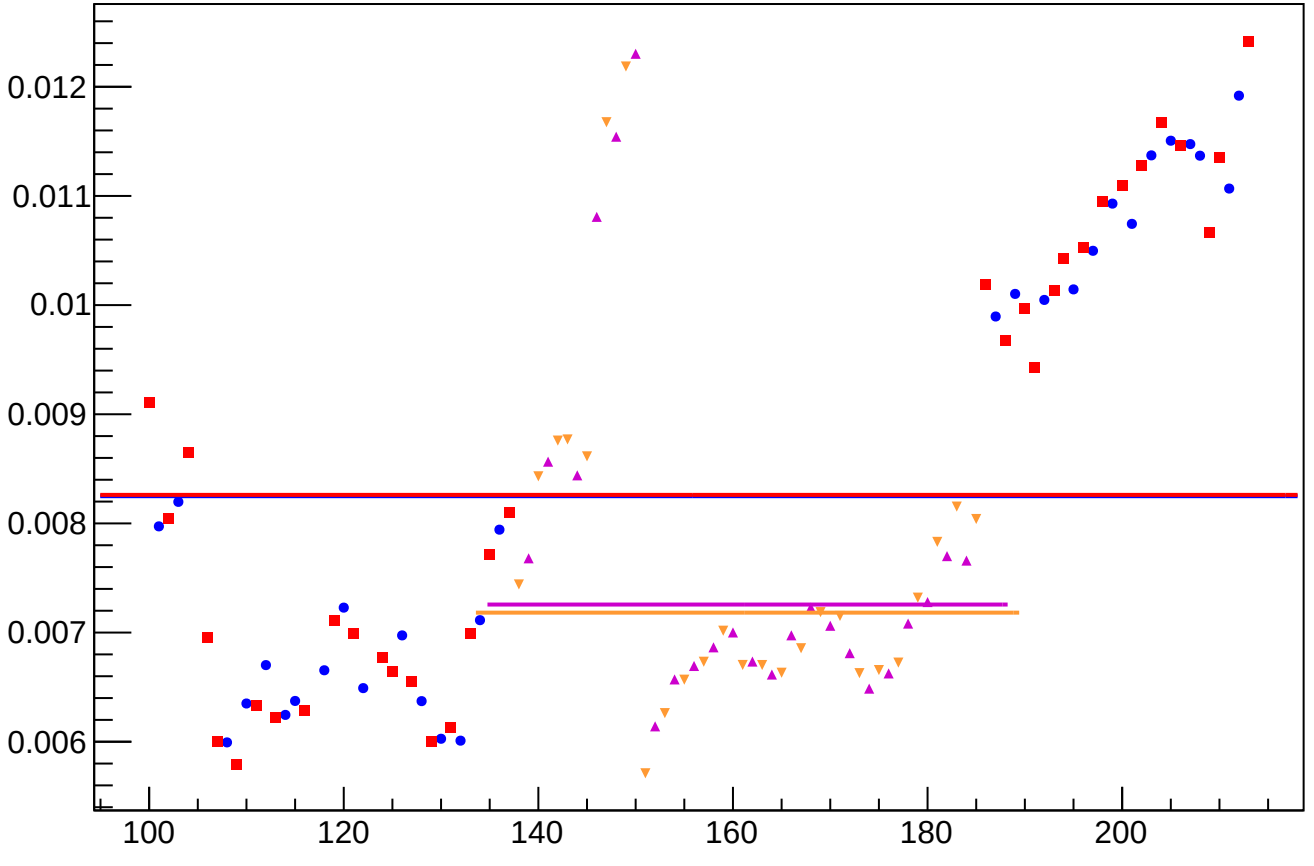
Right: 0.939+/-0.000 χ^2/NDF: 295805798250.7/62

In: 1.033+/-0.000 χ^2/NDF:156527926173.7/51

Out: 1.044+/-0.000 χ^2/NDF:157537233706.3/58

All: 1.039+/-0.000 χ^2/NDF: 314104829703.7

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2047318.2/28

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

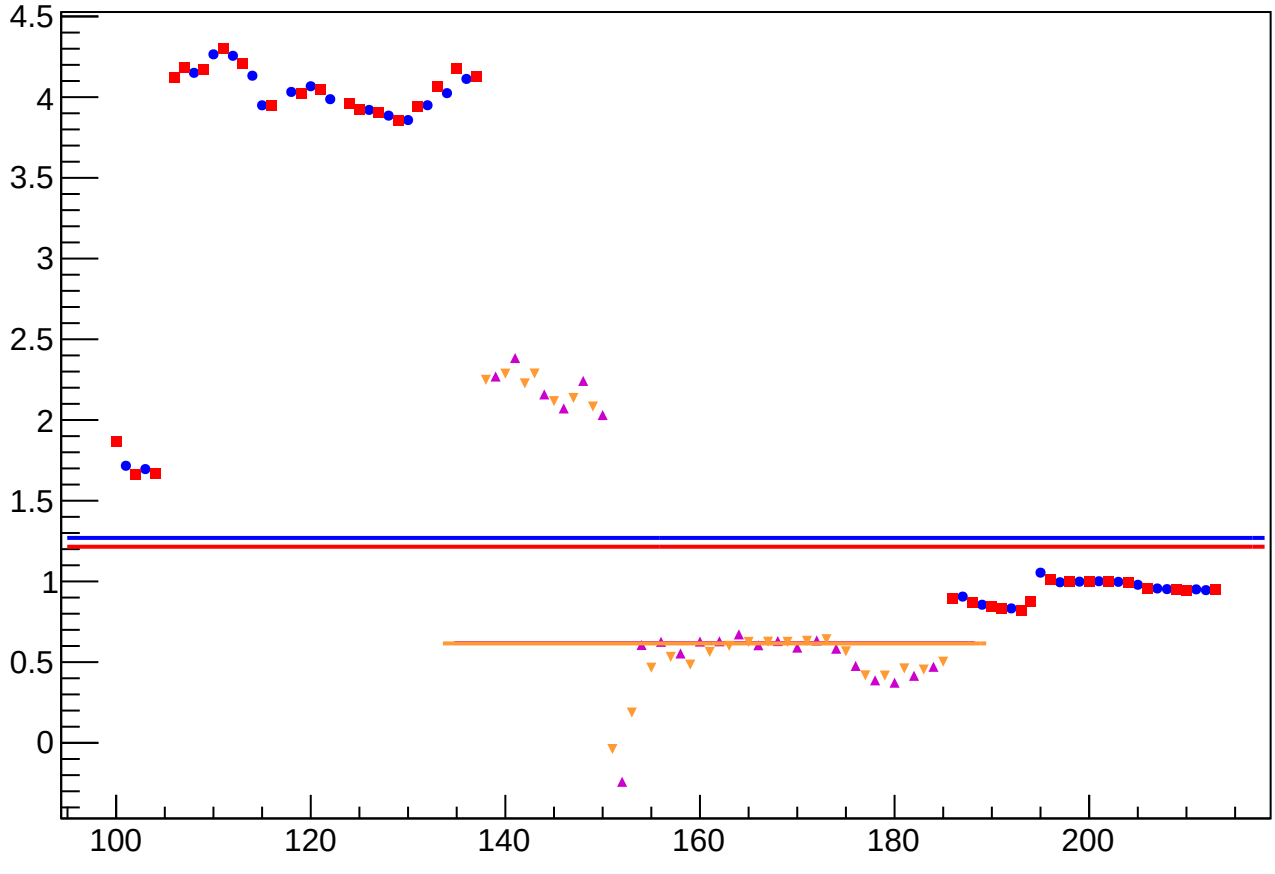
Right: 0.008+/-0.000 χ^2/NDF: 4356237.6/62

In: 0.008+/-0.000 χ^2/NDF:3238519.1/51

Out: 0.008+/-0.000 χ^2/NDF:3553455.2/58

All: 0.008+/-0.000 χ^2/NDF: 6792723.2/110

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.270+/-0.000 χ^2/NDF: 1618421488782.1/28

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

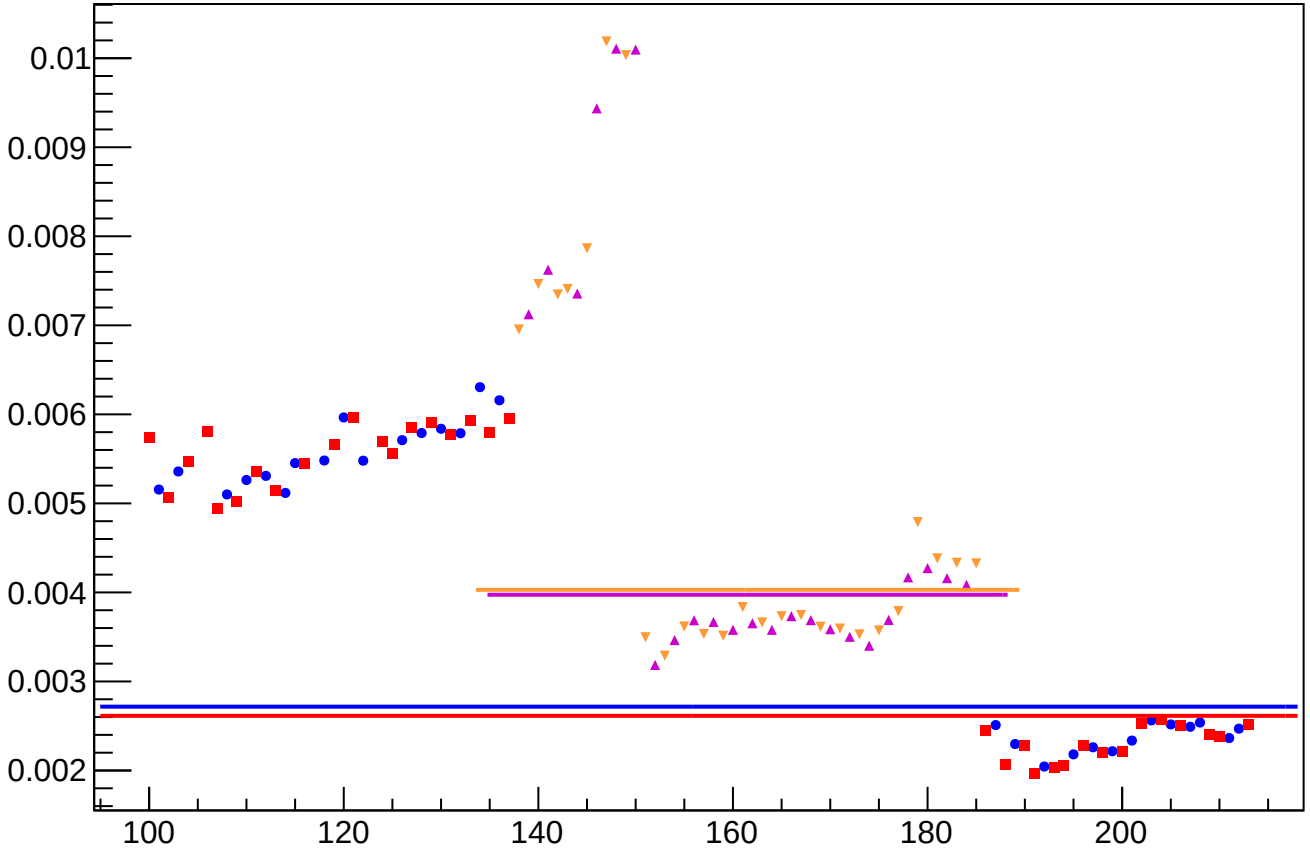
Right: 1.240+/-0.000 χ^2/NDF: 3411774412886.5/62

In: 1.045+/-0.000 χ^2/NDF:2158328151407.2/51

Out: 1.026+/-0.000 χ^2/NDF:2301770917516.2/58

All: 1.035+/-0.000 χ^2/NDF: 4460658613250.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4423378.7/28

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

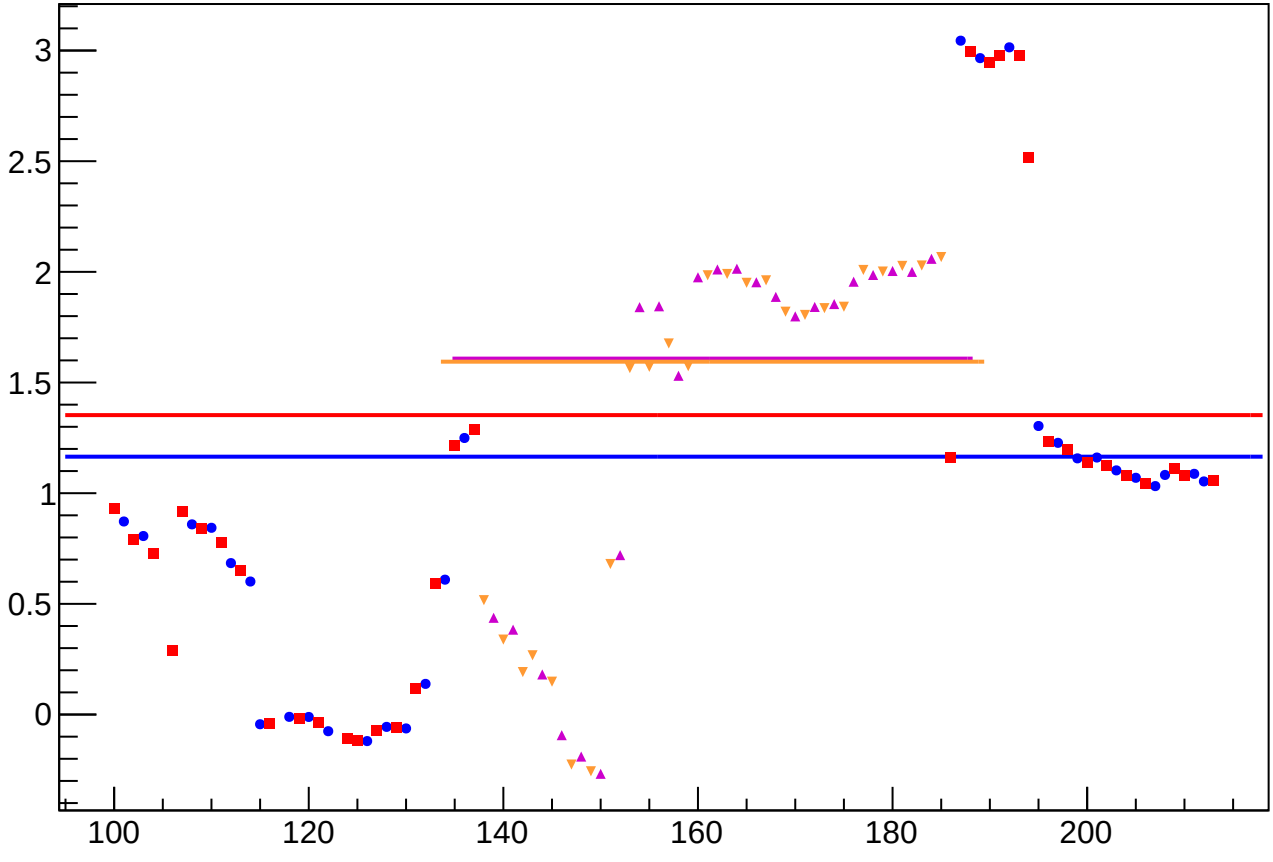
Right: 0.003+/-0.000 χ^2/NDF: 9158469.9/62

In: 0.003+/-0.000 χ^2/NDF:9672930.1/51

Out: 0.003+/-0.000 χ^2/NDF:10577739.1/58

All: 0.003+/-0.000 χ^2/NDF: 20276530.3/110

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.165+/-0.000 χ^2/NDF: 77844875983.7/28

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

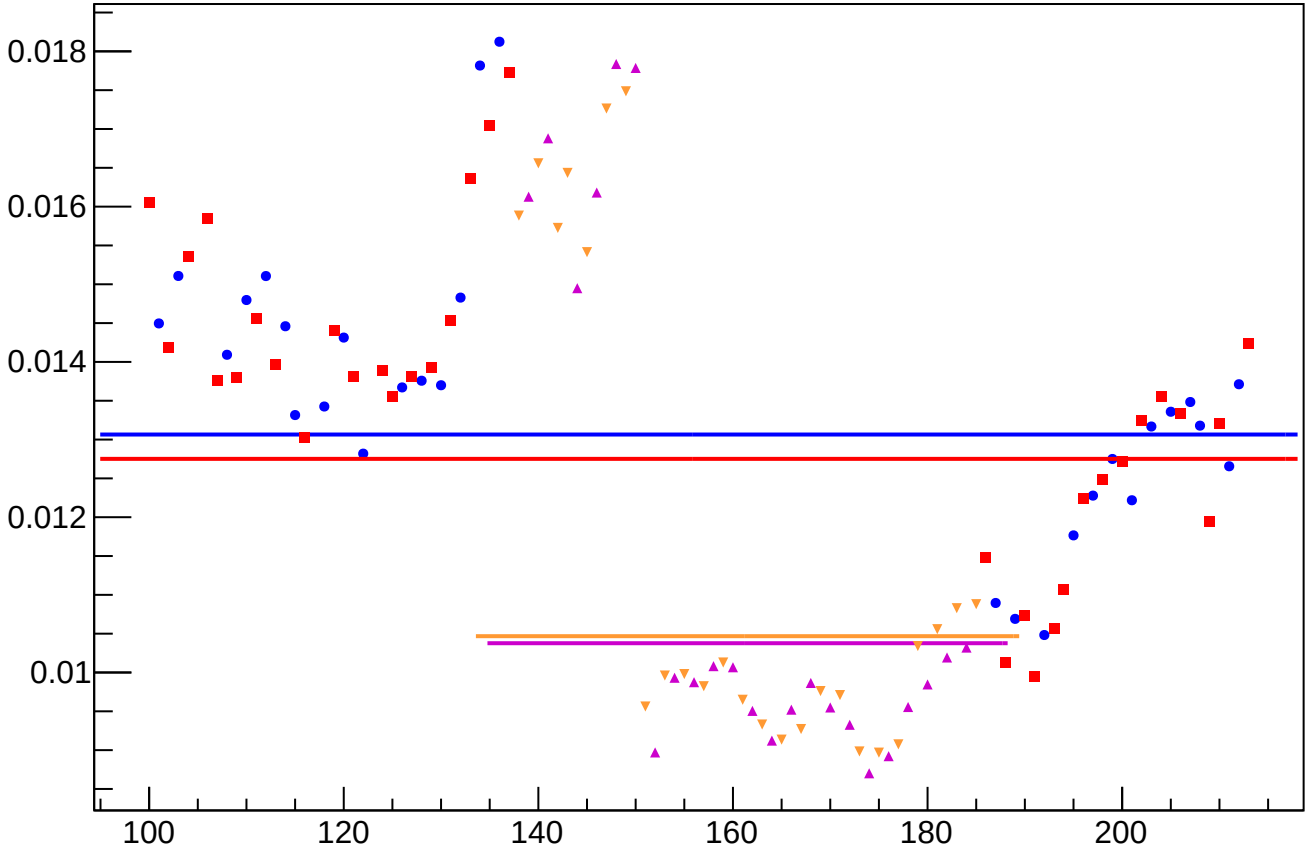
Right: 1.265+/-0.000 χ^2/NDF: 186571812327.7/62

In: 1.439+/-0.000 χ^2/NDF:156306127518.2/51

Out: 1.497+/-0.000 χ^2/NDF:173420315093.2/58

All: 1.469+/-0.000 χ^2/NDF: 330181846953.3

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 510391.8/28

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

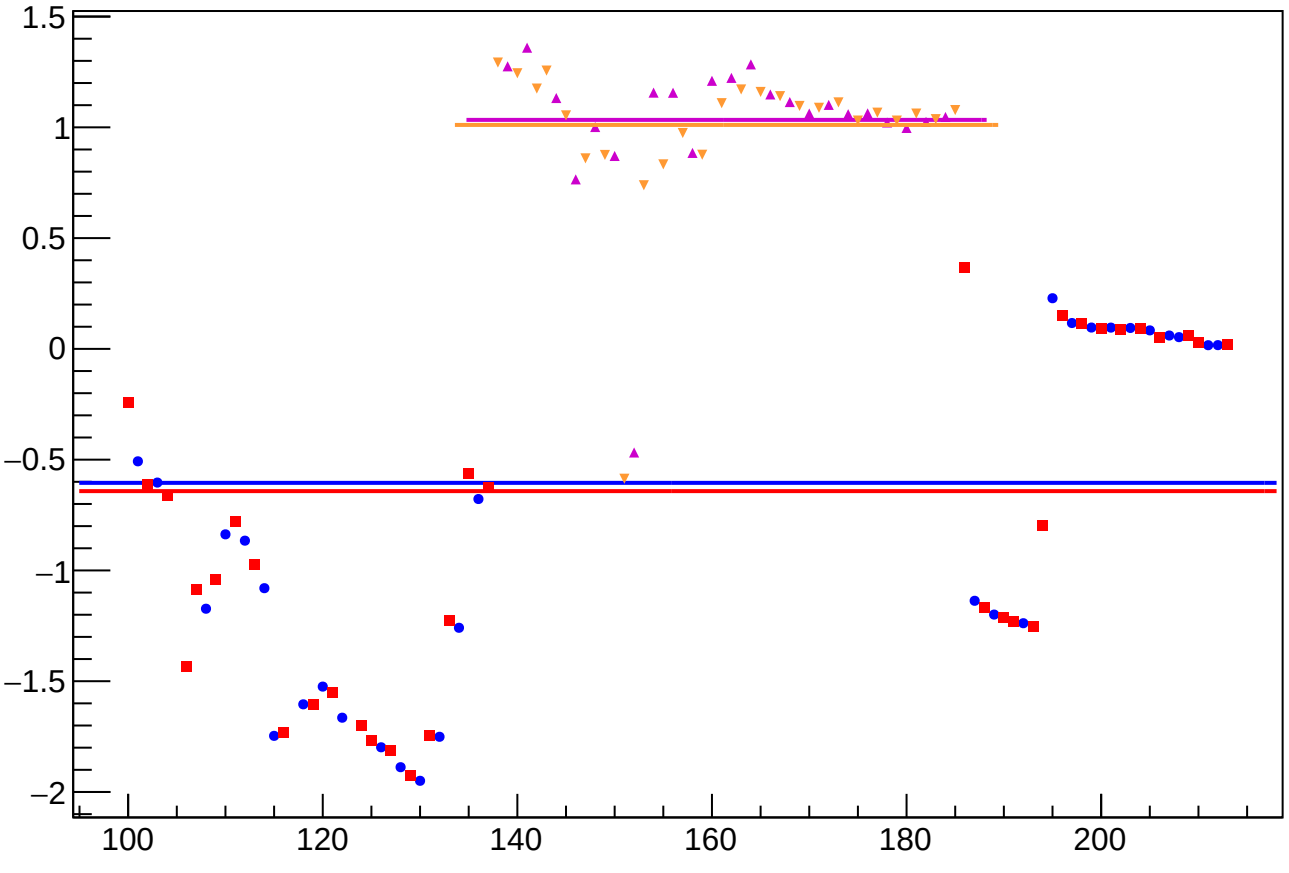
Right: 0.013+/-0.000 χ^2/NDF: 1155557.9/62

In: 0.011+/-0.000 χ^2/NDF:3108560.5/51

Out: 0.011+/-0.000 χ^2/NDF:2998952.0/58

All: 0.011+/-0.000 χ^2/NDF: 6107573.4/110

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.605+/-0.000 χ^2/NDF: 202847431853.0/28

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

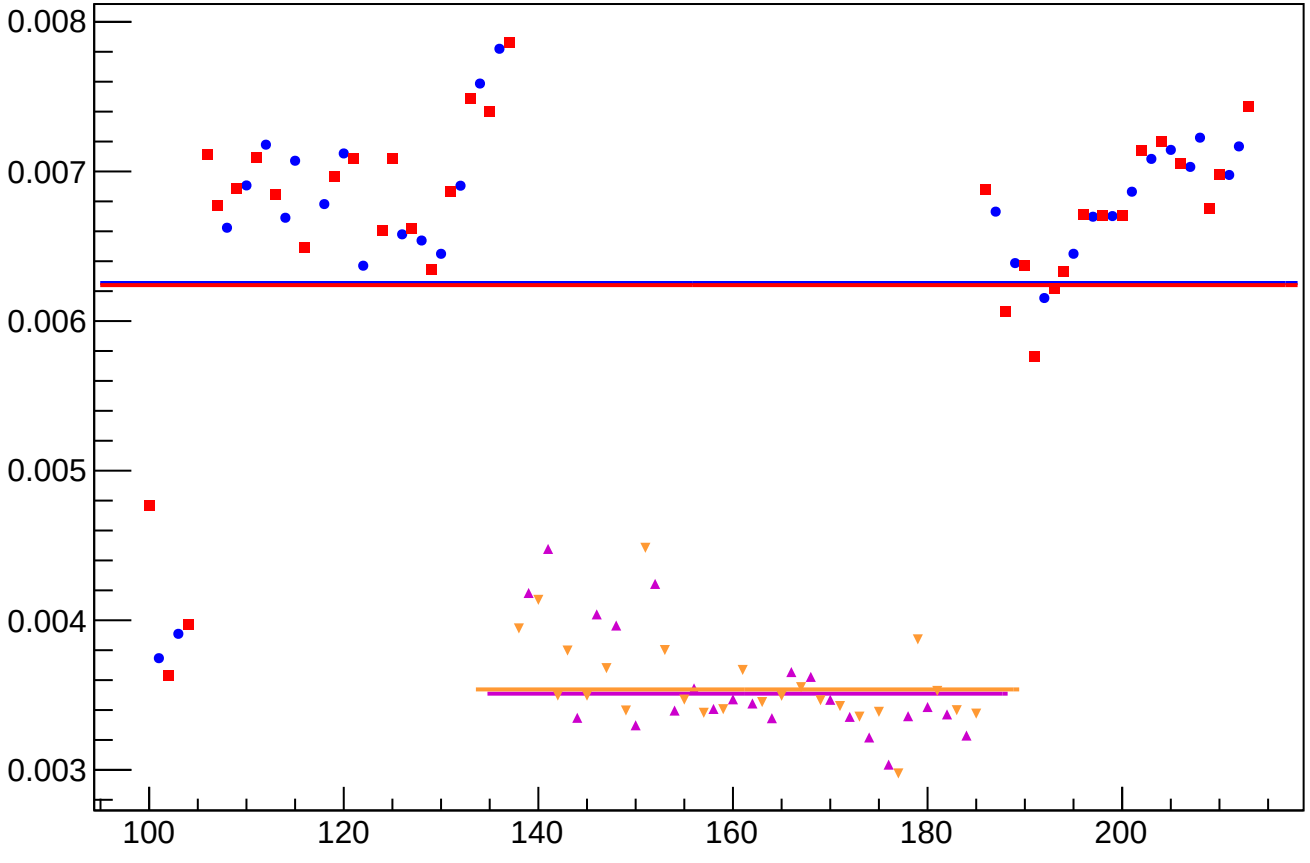
Right: -0.624+/-0.000 χ^2/NDF: 398541527459.6/62

In: 0.651+/-0.000 χ^2/NDF:1170921598815.2/51

Out: 0.611+/-0.000 χ^2/NDF:1234480497769.3/58

All: 0.631+/-0.000 χ^2/NDF: 2406841651404.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1250232.9/28

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

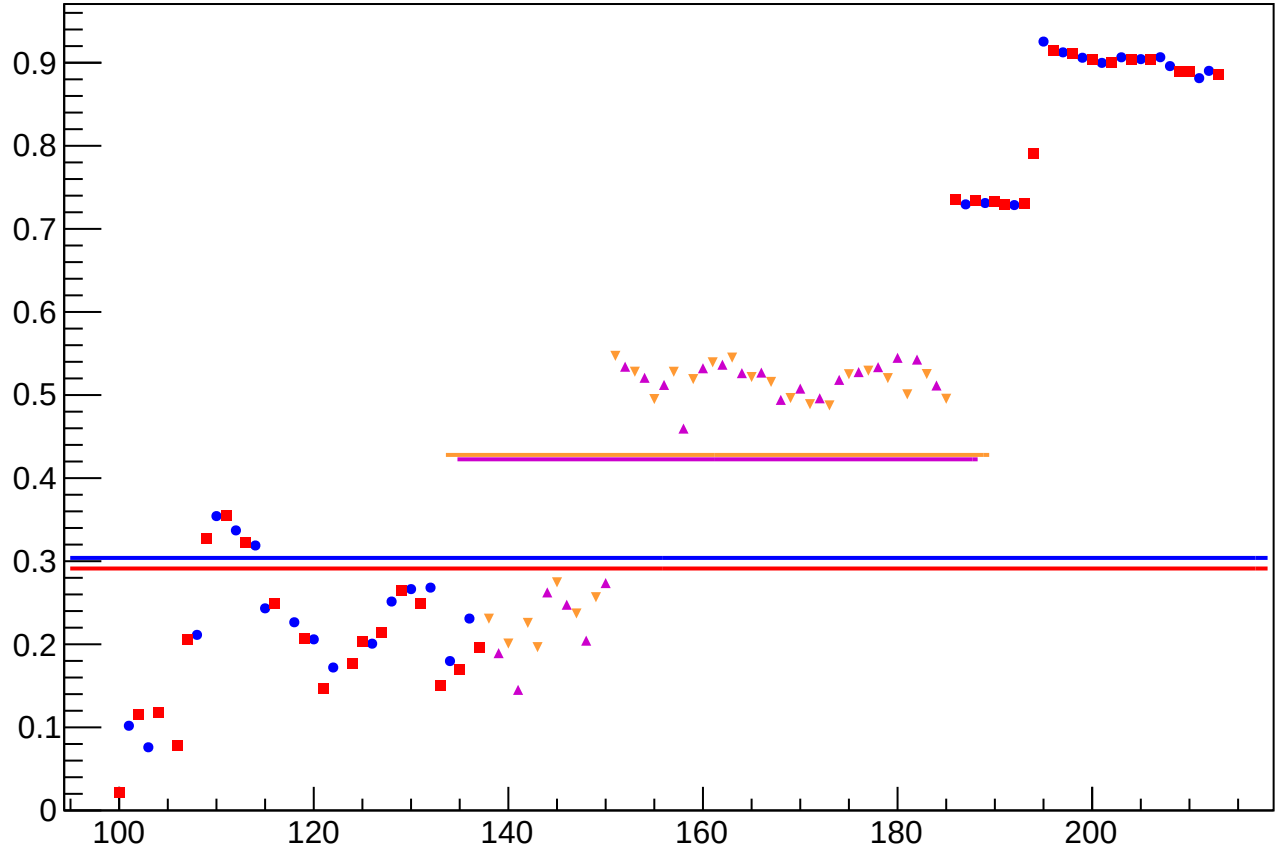
Right: 0.006+/-0.000 χ^2/NDF: 2547363.2/62

In: 0.004+/-0.000 χ^2/NDF:6266082.2/51

Out: 0.004+/-0.000 χ^2/NDF:6473536.7/58

All: 0.004+/-0.000 χ^2/NDF: 12742647.3/110

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.304+/-0.000 χ^2/NDF: 211981216050.3/28

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

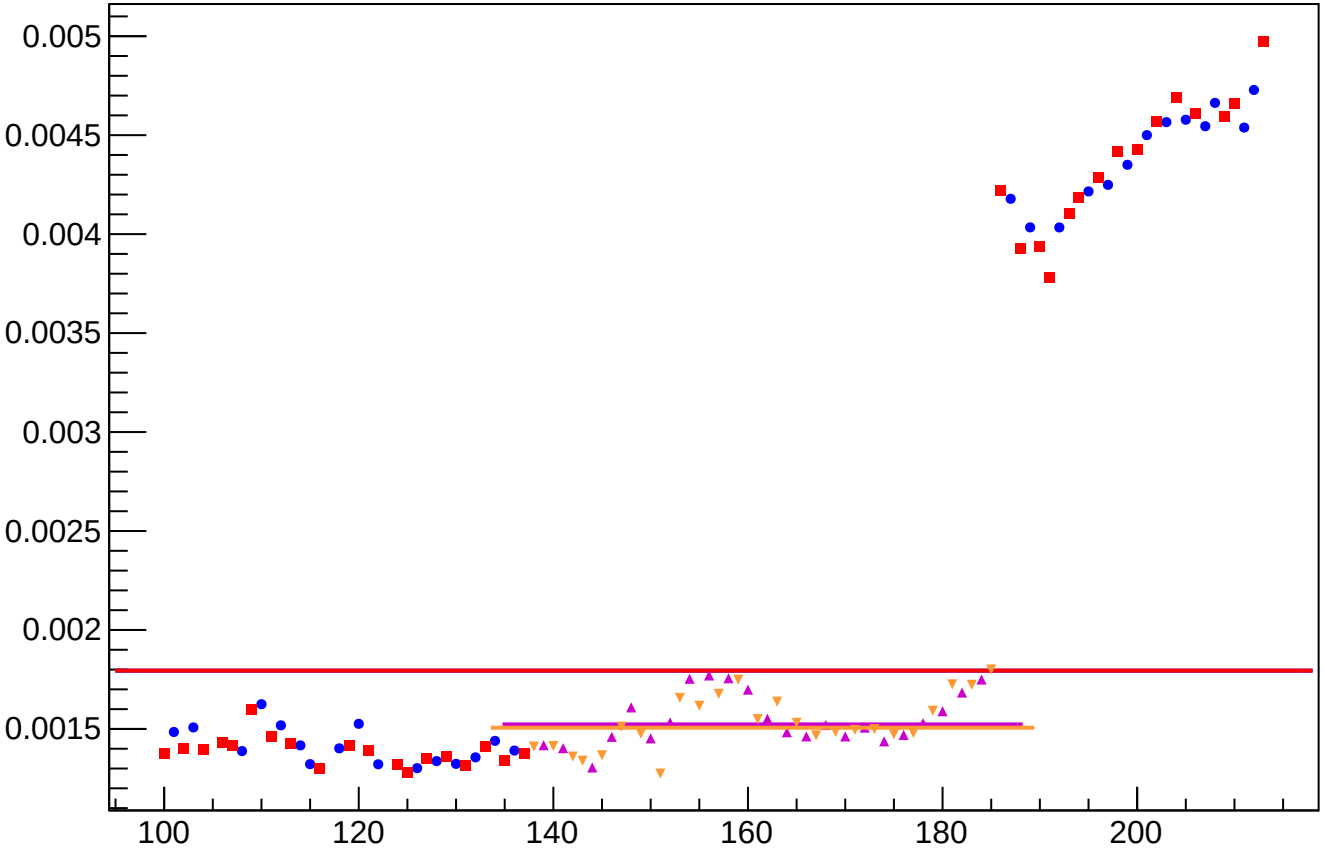
Right: 0.297+/-0.000 χ^2/NDF: 448329336389.3/62

In: 0.382+/-0.000 χ^2/NDF:407454162812.7/51

Out: 0.381+/-0.000 χ^2/NDF:443708806388.0/58

All: 0.381+/-0.000 χ^2/NDF: 851169383753.2

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 8244604.5/28

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

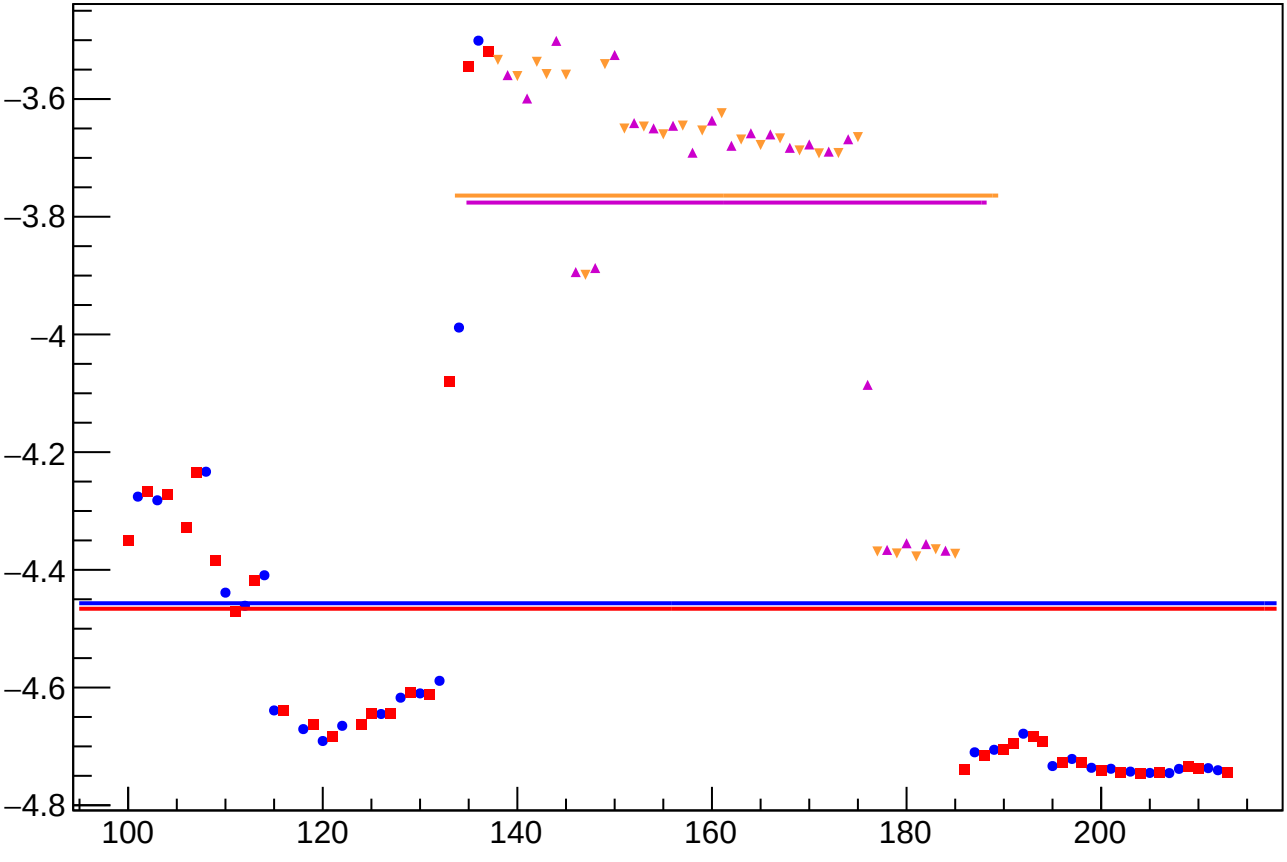
Right: 0.002+/-0.000 χ^2/NDF: 17552123.2/62

In: 0.002+/-0.000 χ^2/NDF:8870221.9/51

Out: 0.002+/-0.000 χ^2/NDF:10066233.6/58

All: 0.002+/-0.000 χ^2/NDF: 18937816.4/110

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.457+/-0.000 χ^2/NDF: 439117042715.2/28

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

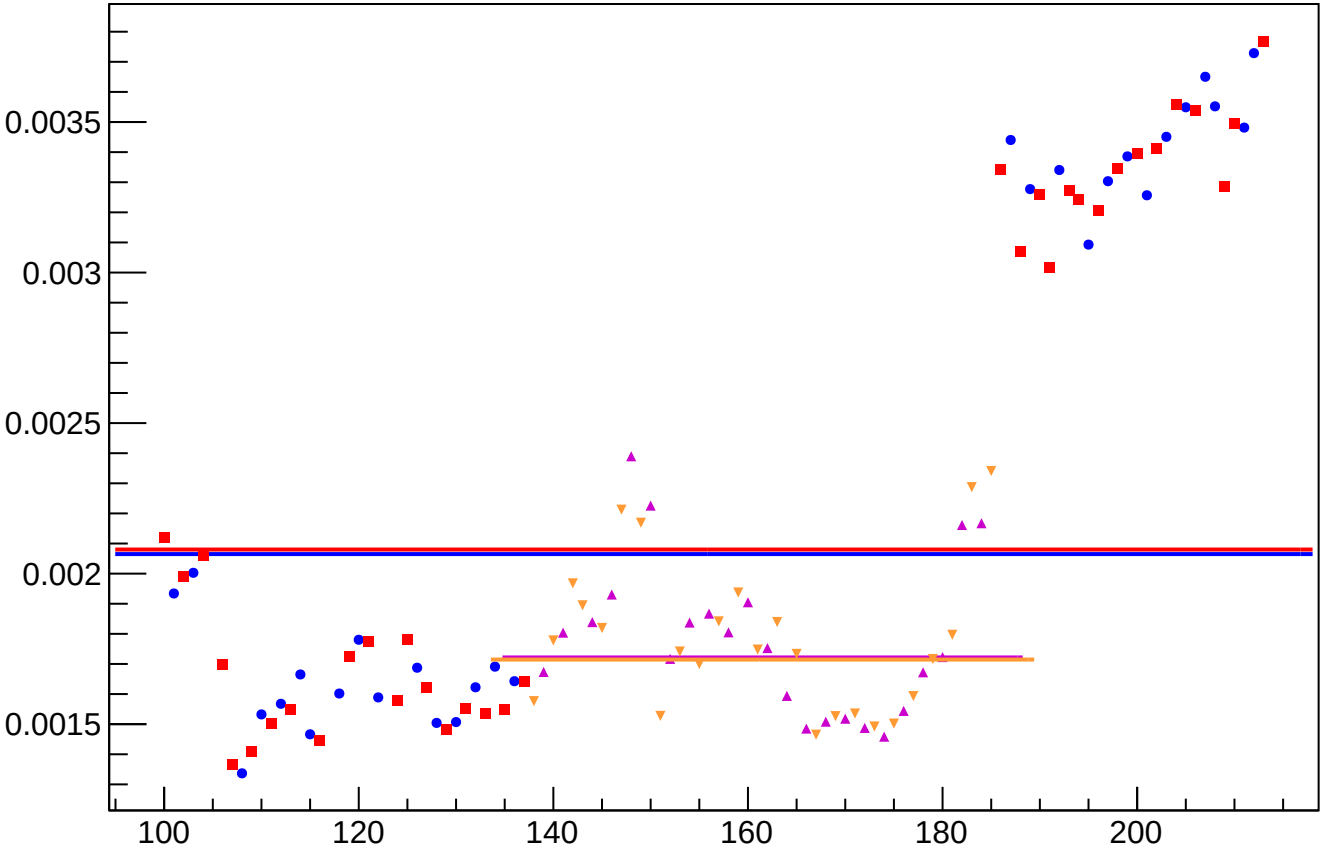
Right: -4.462+/-0.000 χ^2/NDF: 829897709332.8/62

In: -4.028+/-0.000 χ^2/NDF:1859003663641.1/51

Out: -4.026+/-0.000 χ^2/NDF:2035989889326.7/58

All: -4.027+/-0.000 χ^2/NDF: 3895006502276

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4357130.4/28

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

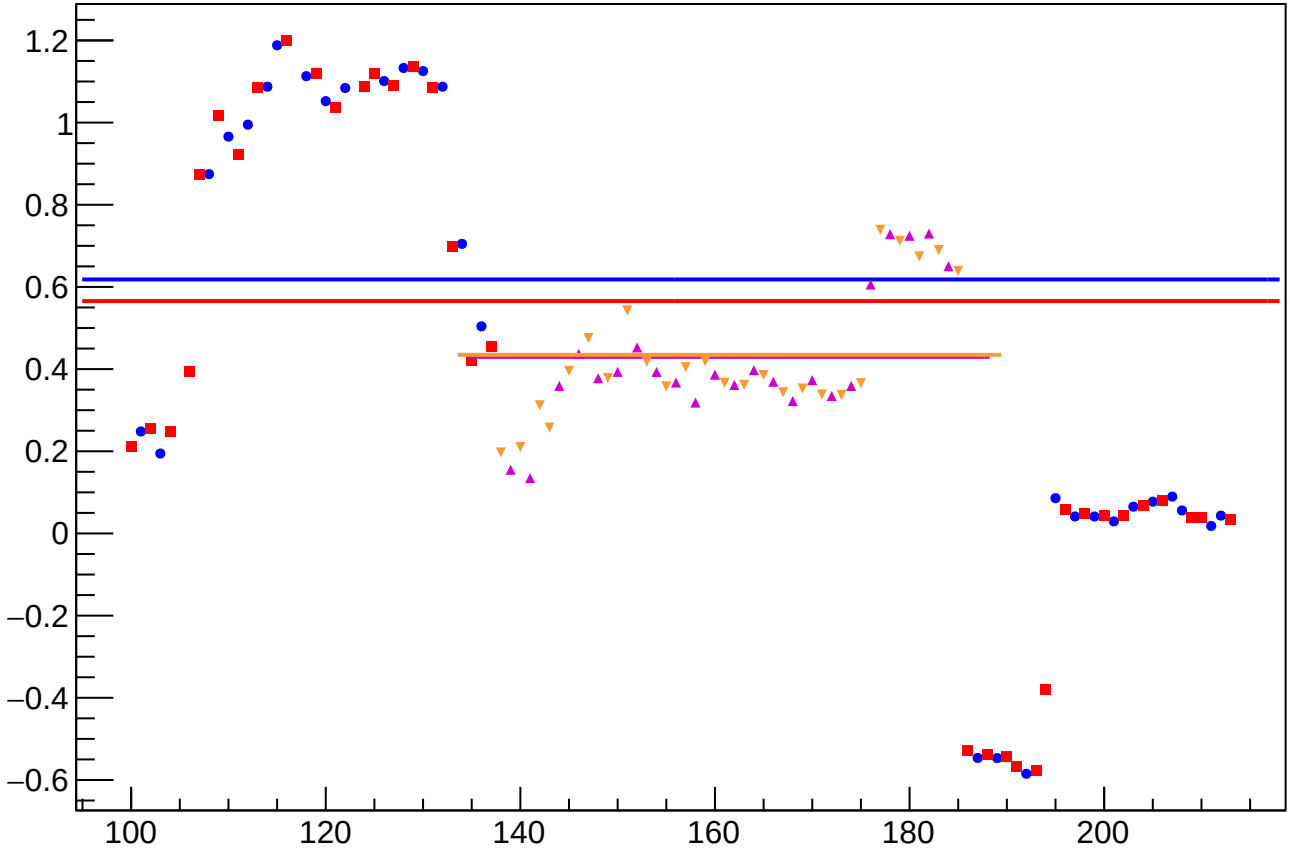
Right: 0.002+/-0.000 χ^2/NDF: 9114215.9/62

In: 0.002+/-0.000 χ^2/NDF:5456362.7/51

Out: 0.002+/-0.000 χ^2/NDF:5948299.7/58

All: 0.002+/-0.000 χ^2/NDF: 11404719.4/110

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.618+/-0.000 χ^2/NDF: 72000817433.8/28

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

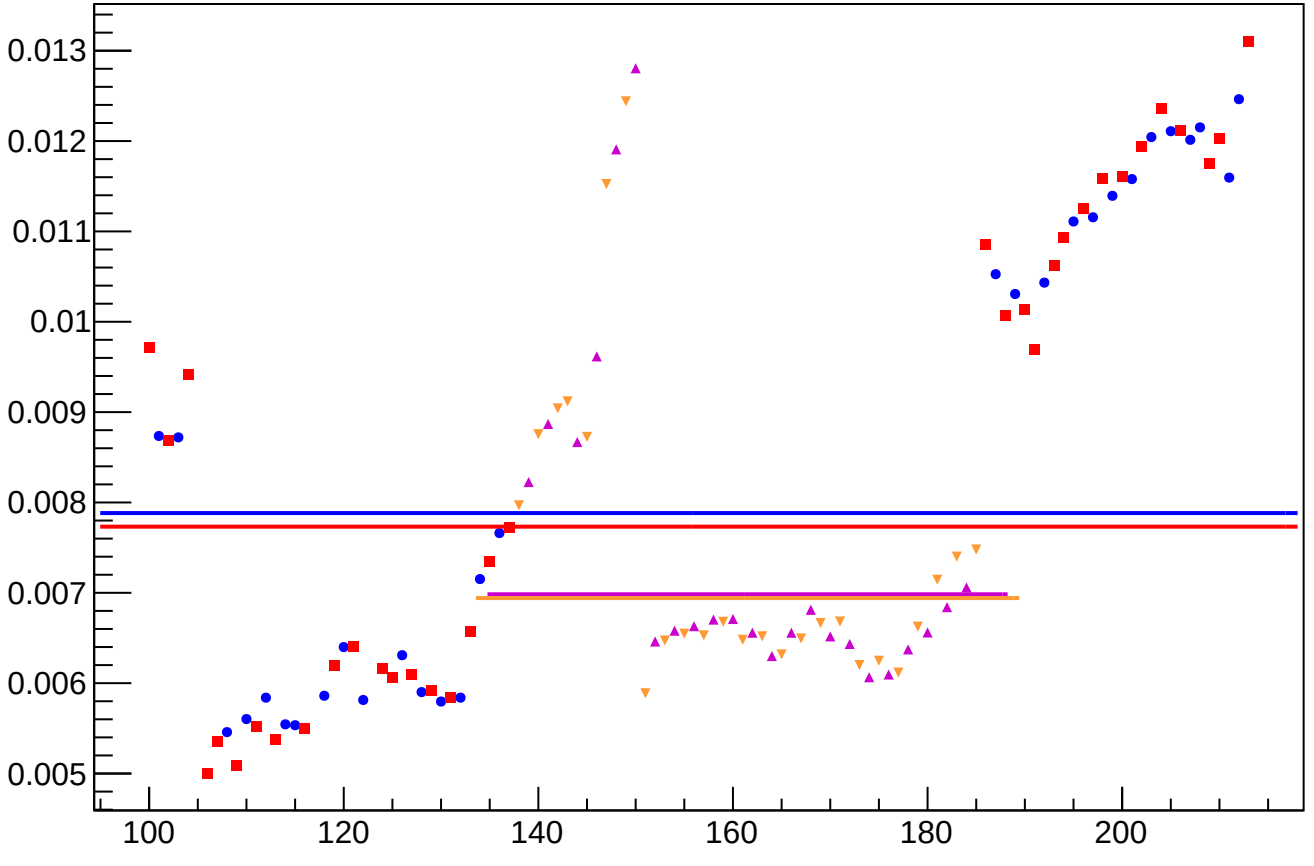
Right: 0.590+/-0.000 χ^2/NDF: 164225781788.6/62

In: 0.507+/-0.000 χ^2/NDF:86320922813.9/51

Out: 0.490+/-0.000 χ^2/NDF:103171808985.4/58

All: 0.498+/-0.000 χ^2/NDF: 189589156898.0

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3235252.8/28

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

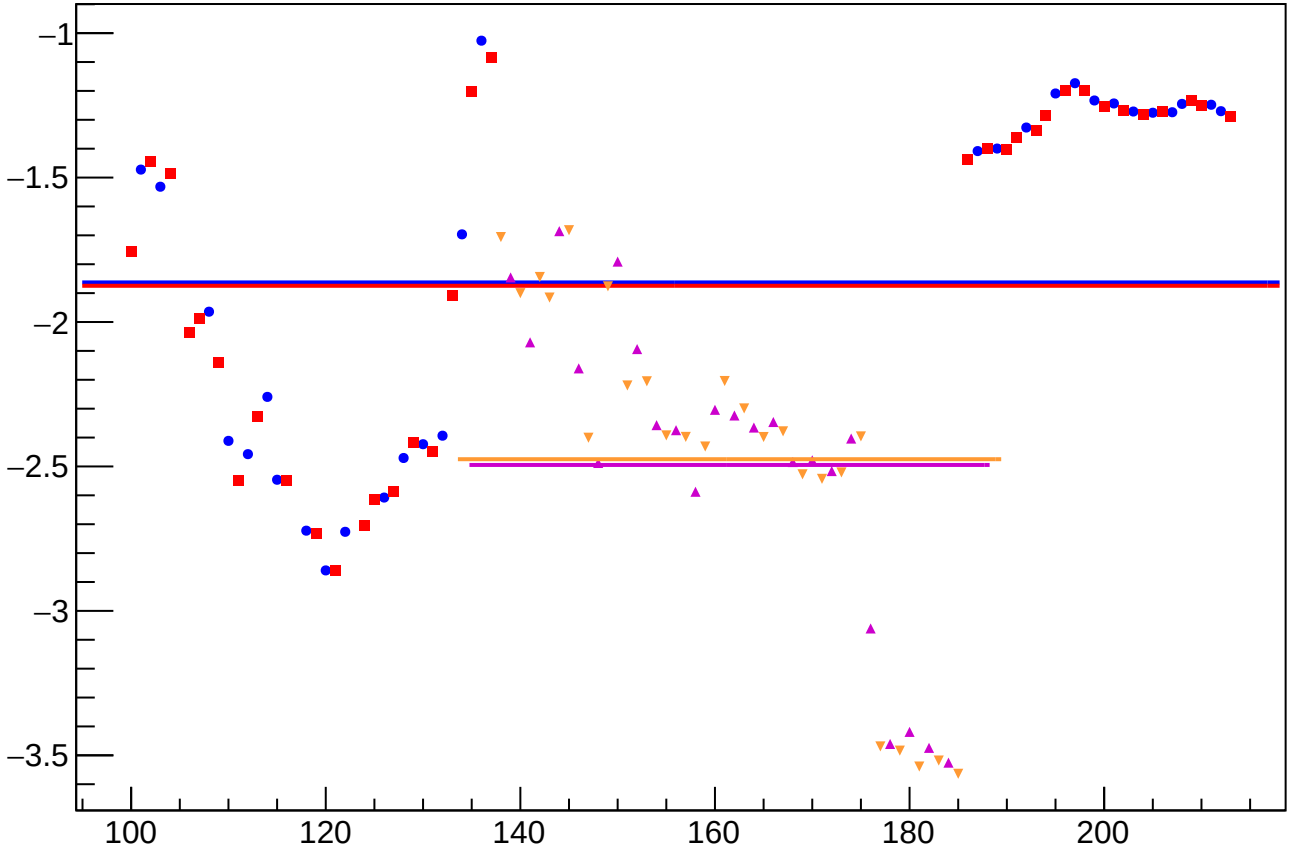
Right: 0.008+/-0.000 χ^2/NDF: 7189761.4/62

In: 0.007+/-0.000 χ^2/NDF:4612323.4/51

Out: 0.007+/-0.000 χ^2/NDF:5244009.4/58

All: 0.007+/-0.000 χ^2/NDF: 9860212.5/110

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -1.863+/-0.000 χ^2/NDF: 116375130008.8/28

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

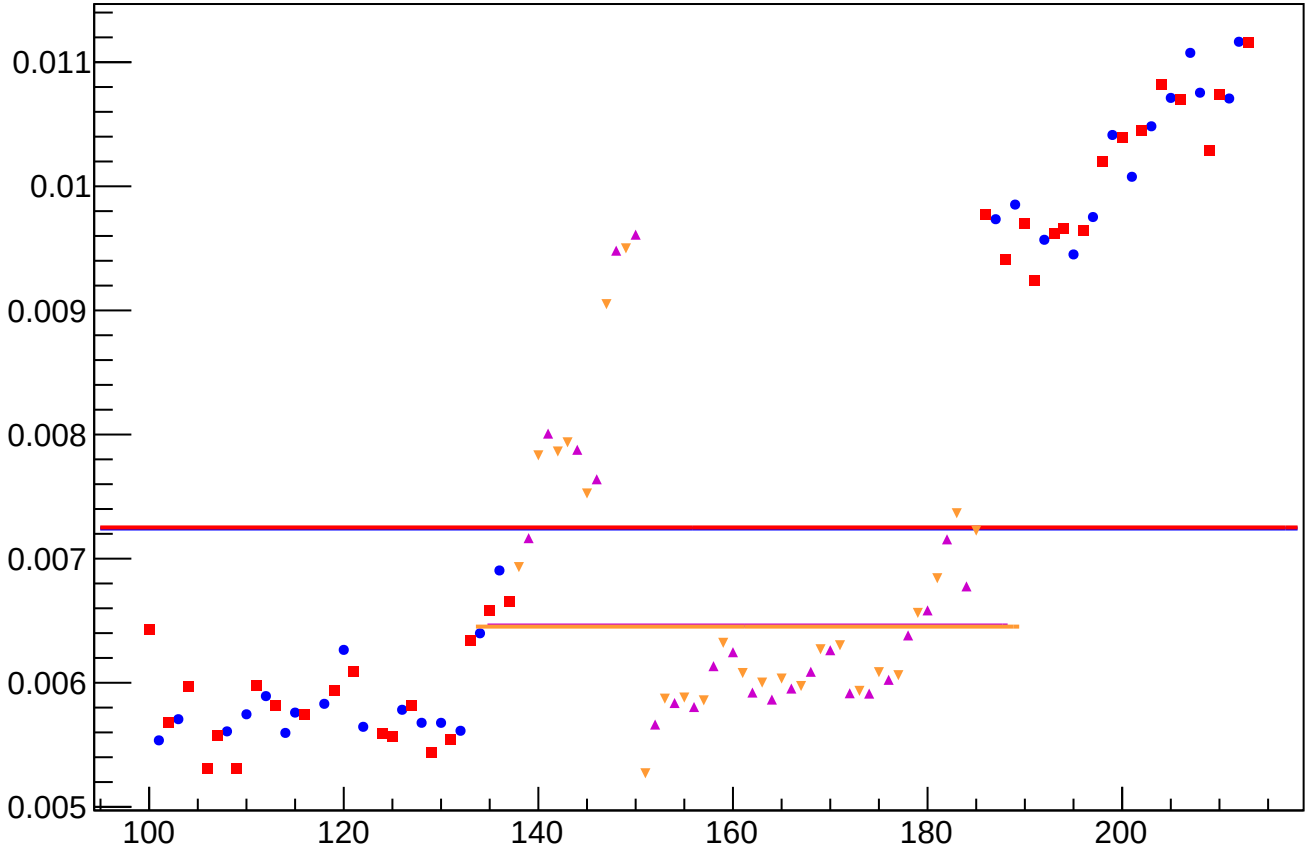
Right: -1.869+/-0.000 χ^2/NDF: 231933730598.3/62

In: -2.232+/-0.000 χ^2/NDF:284427519947.7/51

Out: -2.221+/-0.000 χ^2/NDF:307801152579.2/58

All: -2.226+/-0.000 χ^2/NDF: 592274529685.5

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 2684483.4/28

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

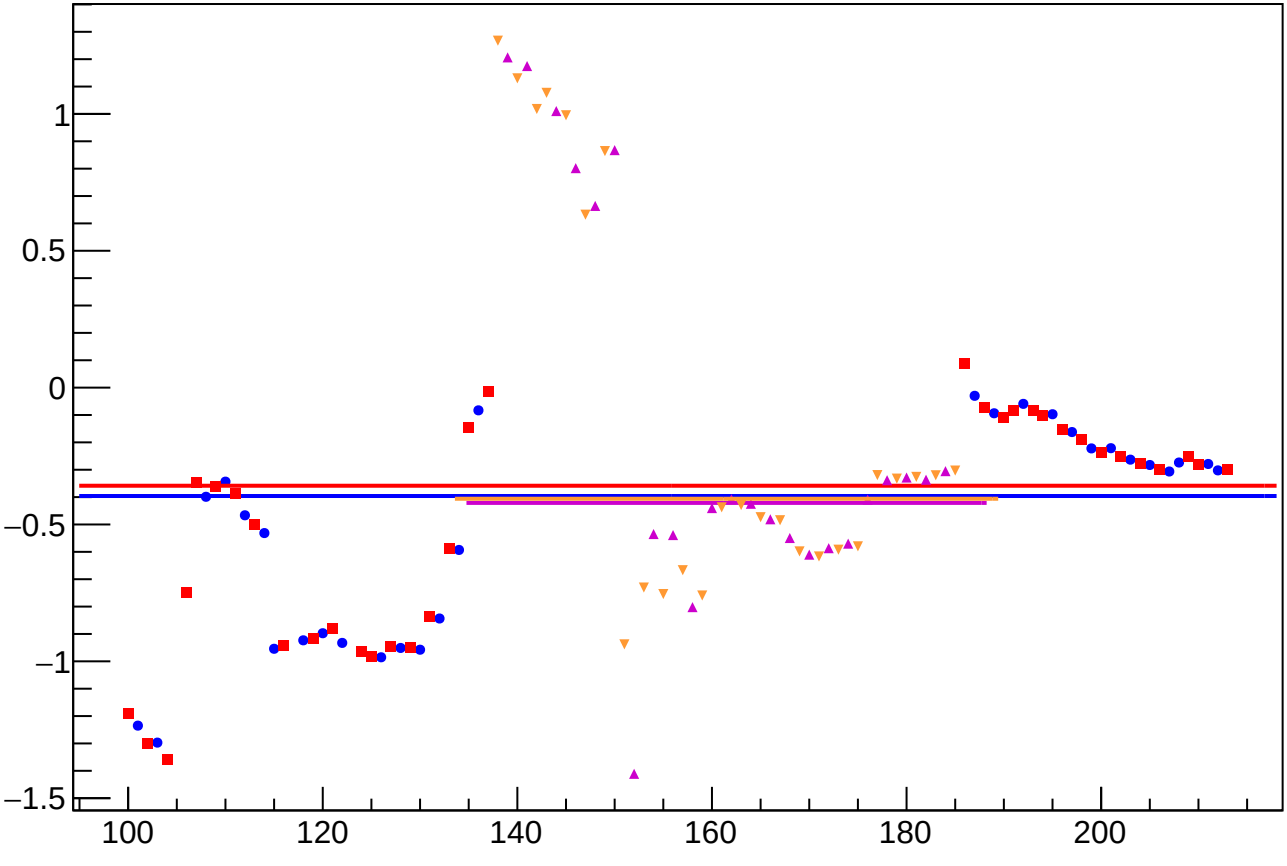
Right: 0.007+/-0.000 χ^2/NDF: 5615149.5/62

In: 0.007+/-0.000 χ^2/NDF:3623166.5/51

Out: 0.007+/-0.000 χ^2/NDF:3889462.0/58

All: 0.007+/-0.000 χ^2/NDF: 7512640.3/110

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.396+/-0.000 χ^2/NDF: 24472307890.5/28

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

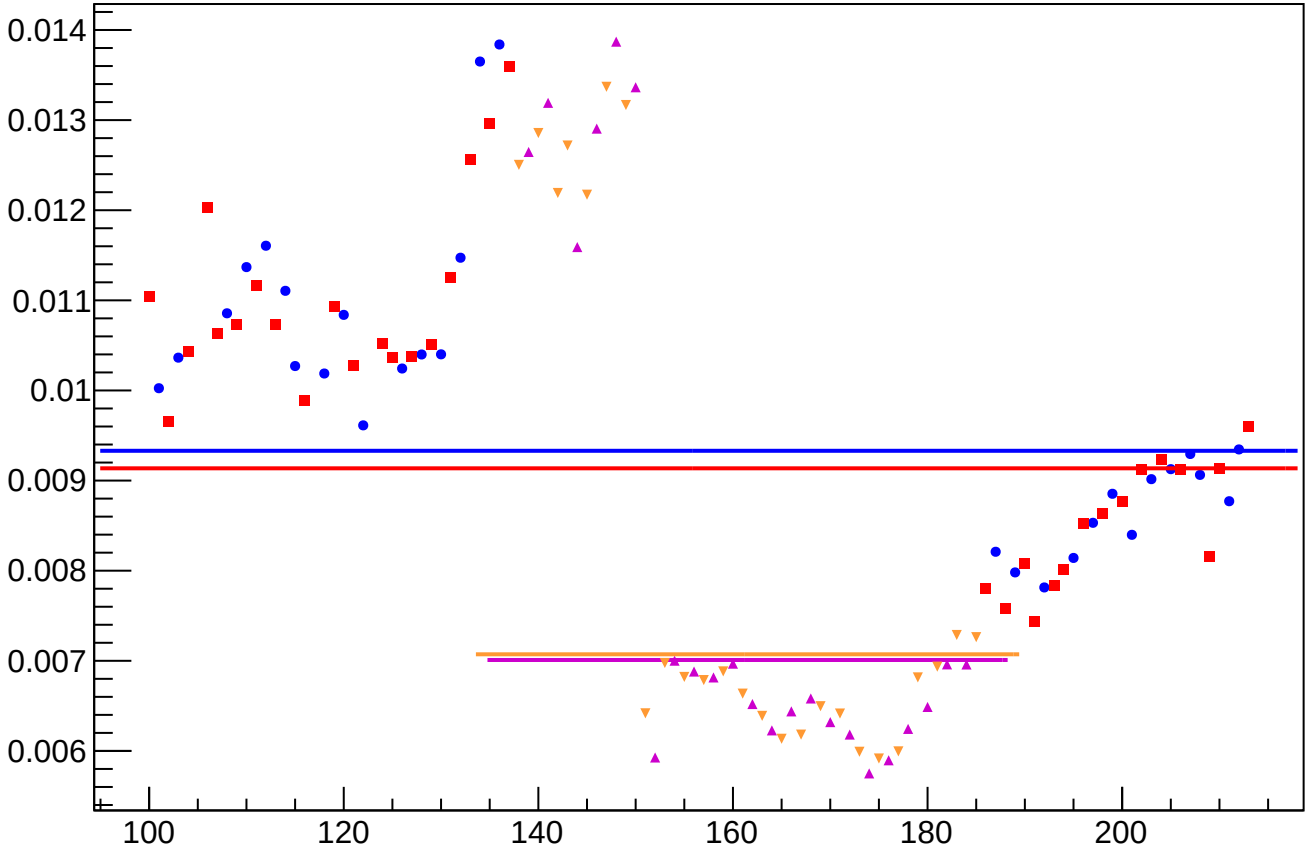
Right: -0.376+/-0.000 χ^2/NDF: 51926528699.9/62

In: -0.412+/-0.000 χ^2/NDF:114792193551.4/51

Out: -0.388+/-0.000 χ^2/NDF:109248993056.7/58

All: -0.400+/-0.000 χ^2/NDF: 224203590466.6

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 635597.9/28

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

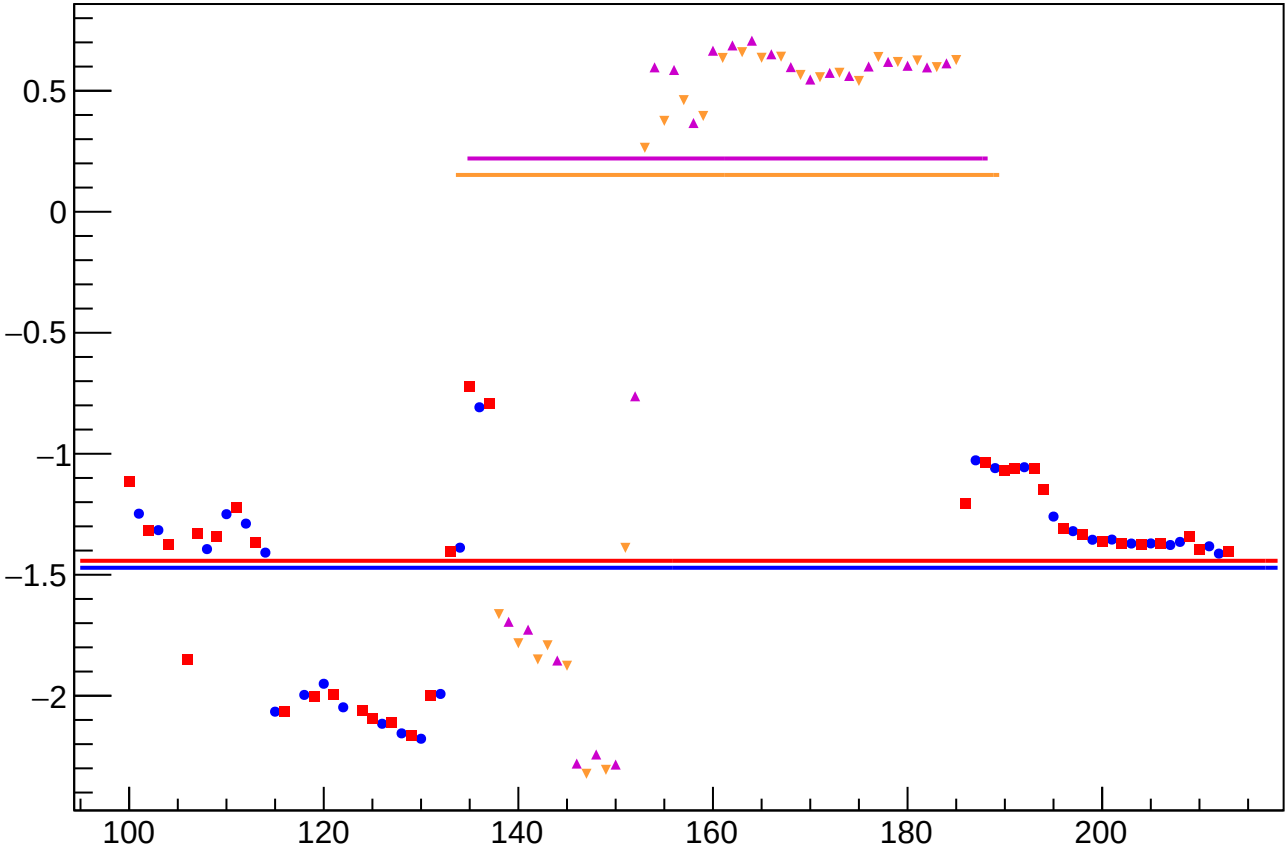
Right: 0.009+/-0.000 χ^2/NDF: 1347261.7/62

In: 0.008+/-0.000 χ^2/NDF:4421588.4/51

Out: 0.008+/-0.000 χ^2/NDF:4242055.2/58

All: 0.008+/-0.000 χ^2/NDF: 8663709.9/110

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.471+/-0.000 χ^2/NDF: 183691260989.2/28

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

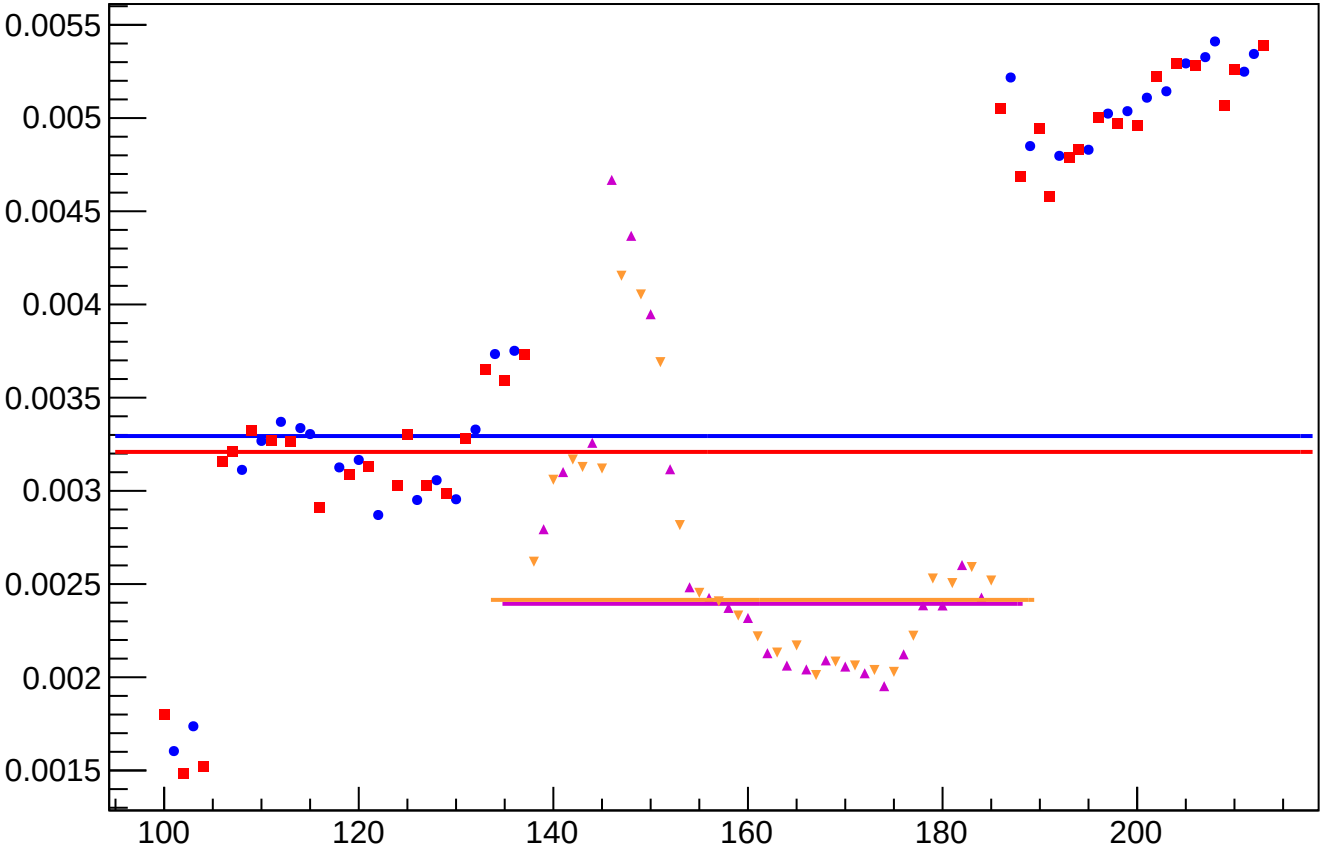
Right: -1.456+/-0.000 χ^2/NDF: 356950282286.1/62

In: -0.320+/-0.000 χ^2/NDF:4851694090902.1/51

Out: -0.379+/-0.000 χ^2/NDF:5049299541596.8/58

All: -0.350+/-0.000 χ^2/NDF: 9908385214142

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4713685.2/28

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

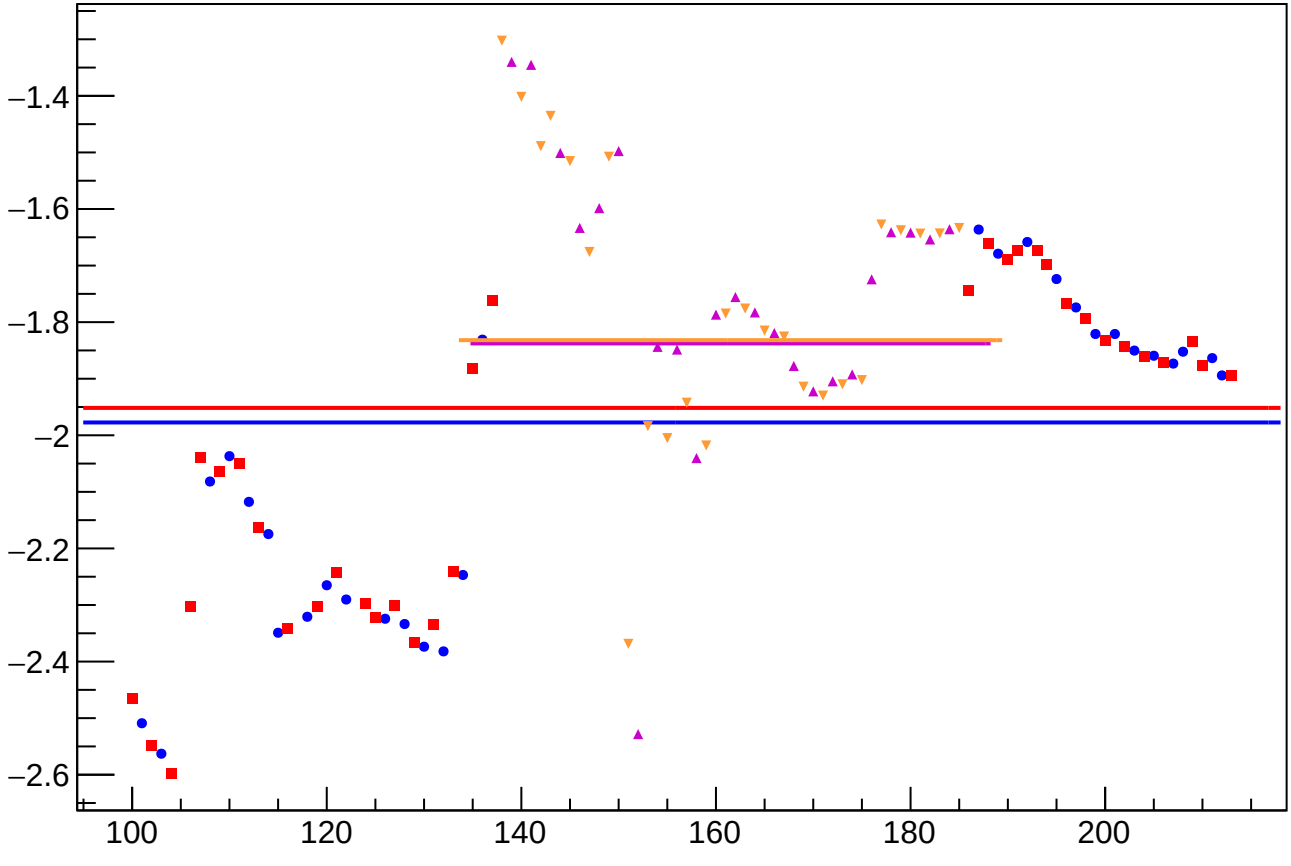
Right: 0.003+/-0.000 χ^2/NDF: 10547962.8/62

In: 0.003+/-0.000 χ^2/NDF:7565265.6/51

Out: 0.003+/-0.000 χ^2/NDF:8272835.8/58

All: 0.003+/-0.000 χ^2/NDF: 15838116.3/110

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -1.977+/-0.000 χ^2/NDF: 33849370630.3/28

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

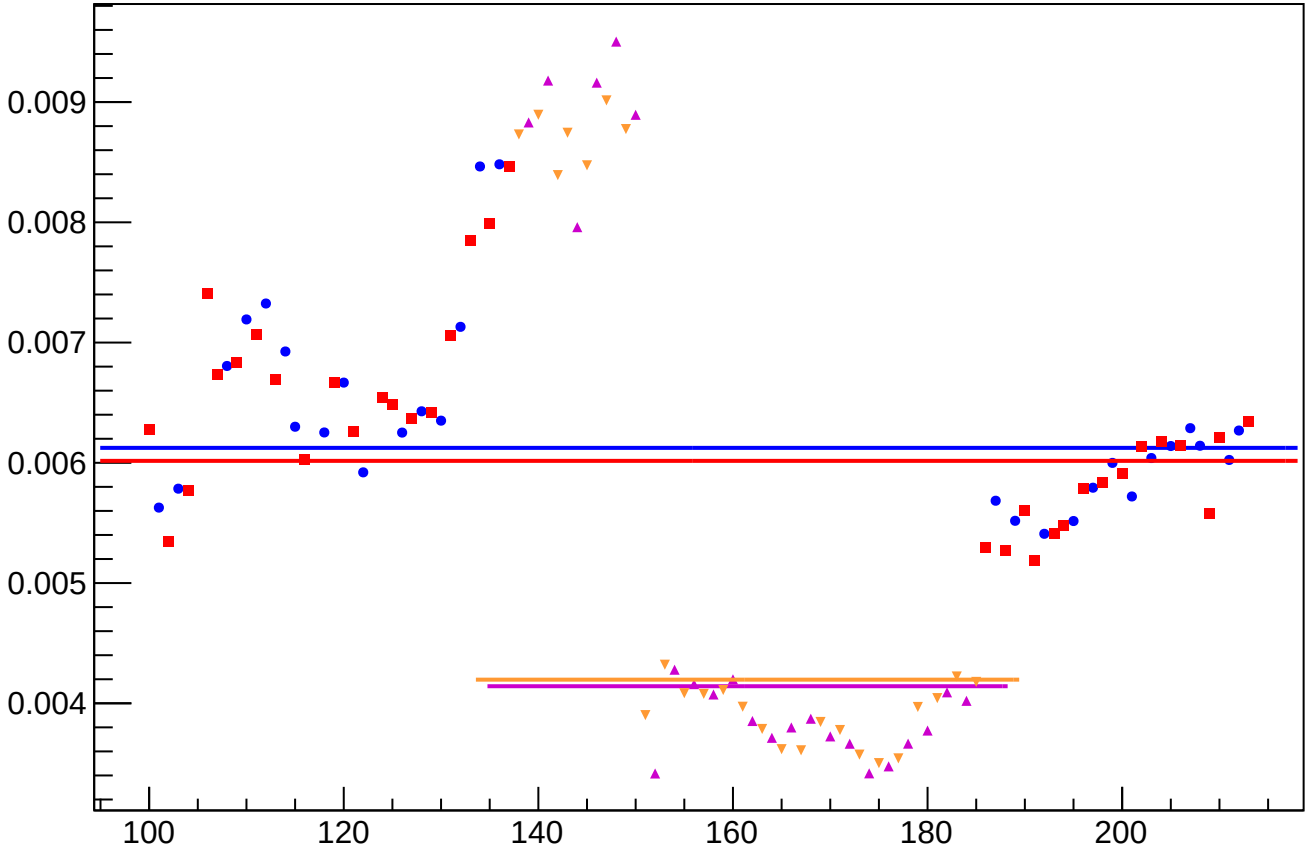
Right: -1.964+/-0.000 χ^2/NDF: 72000659766.8/62

In: -1.883+/-0.000 χ^2/NDF:93214912066.6/51

Out: -1.873+/-0.000 χ^2/NDF:81133170596.0/58

All: -1.878+/-0.000 χ^2/NDF: 174419049733.1

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 368247.9/28

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

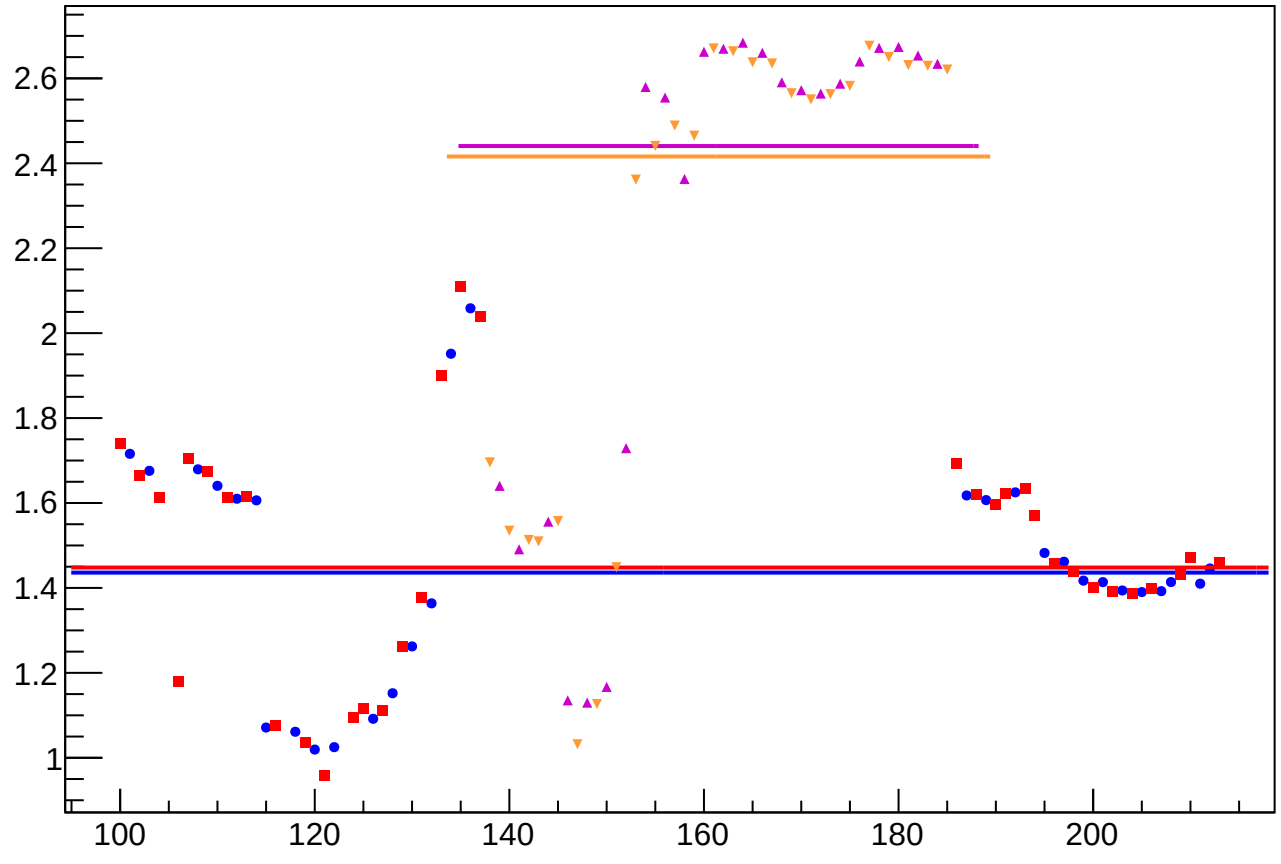
Right: 0.006+/-0.000 χ^2/NDF: 770413.8/62

In: 0.005+/-0.000 χ^2/NDF:5948287.7/51

Out: 0.005+/-0.000 χ^2/NDF:5694053.3/58

All: 0.005+/-0.000 χ^2/NDF: 11644218.5/110

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.436+/-0.000 χ^2/NDF: 191501510032.3/28

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

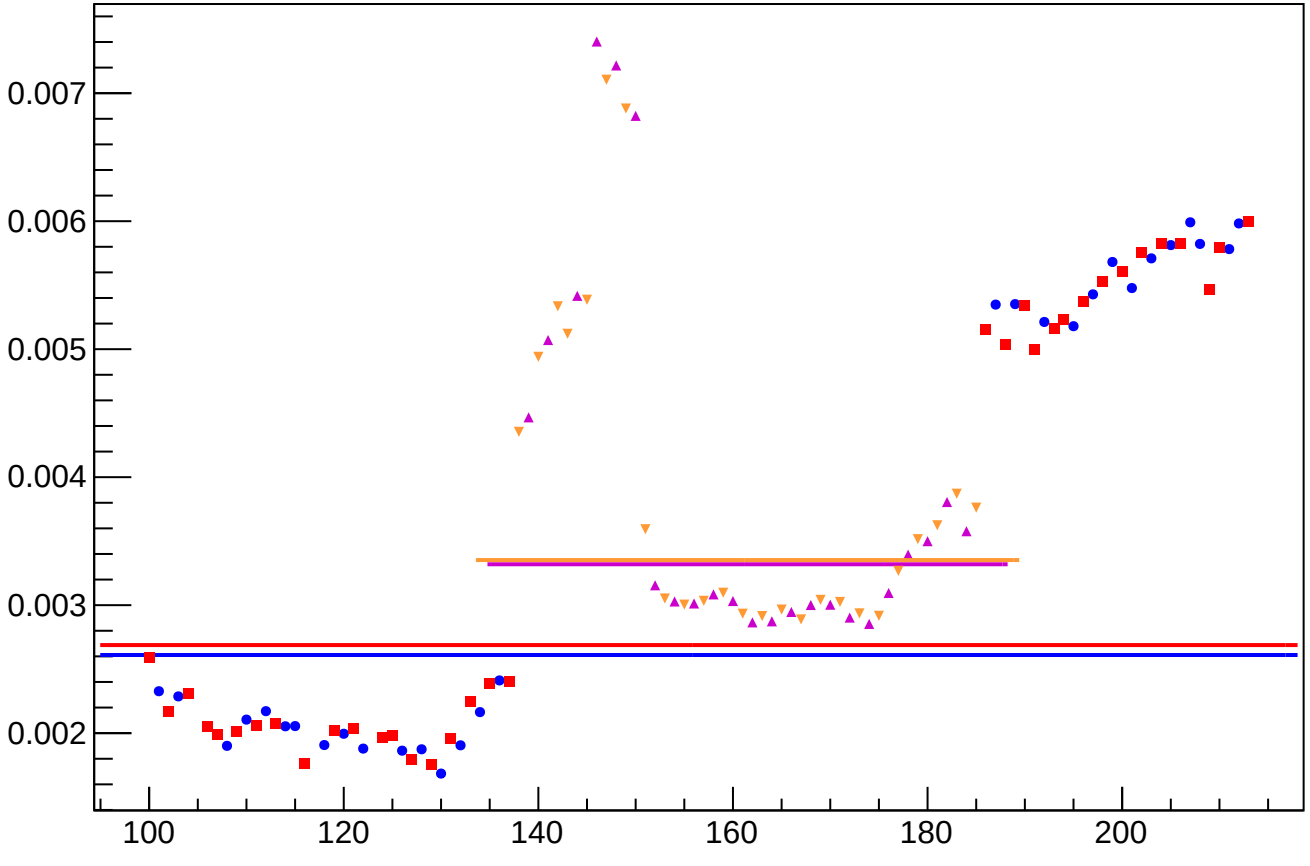
Right: 1.442+/-0.000 χ^2/NDF: 378294312647.8/62

In: 1.870+/-0.000 χ^2/NDF:1272505330651.5/51

Out: 1.870+/-0.000 χ^2/NDF:1250425592910.9/58

All: 1.870+/-0.000 χ^2/NDF: 2522931193523.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 7054292.0/28

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

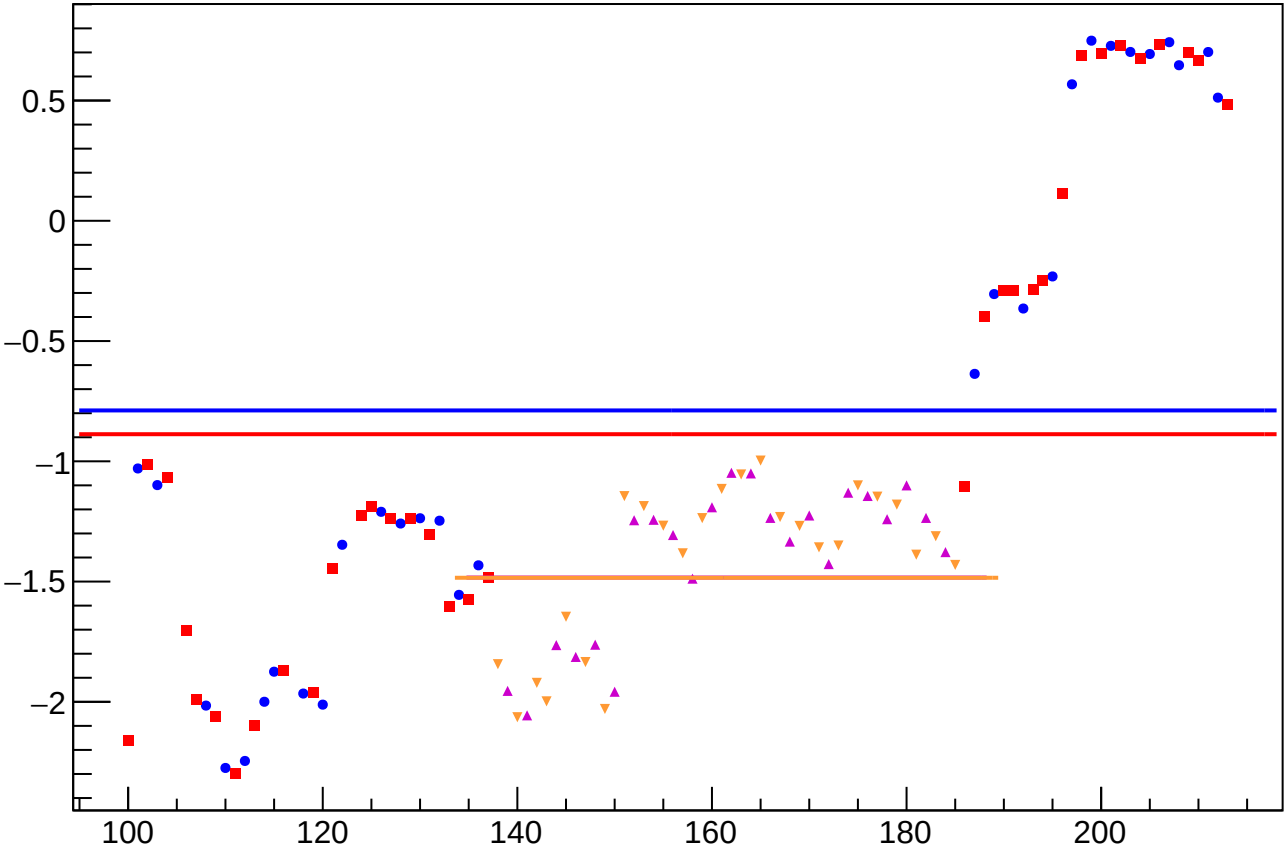
Right: 0.003+/-0.000 χ^2/NDF: 14577935.3/62

In: 0.003+/-0.000 χ^2/NDF:9956031.8/51

Out: 0.003+/-0.000 χ^2/NDF:10104286.6/58

All: 0.003+/-0.000 χ^2/NDF: 20073175.3/110

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -0.788+/-0.000 χ^2/NDF: 231037024418.5/28

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

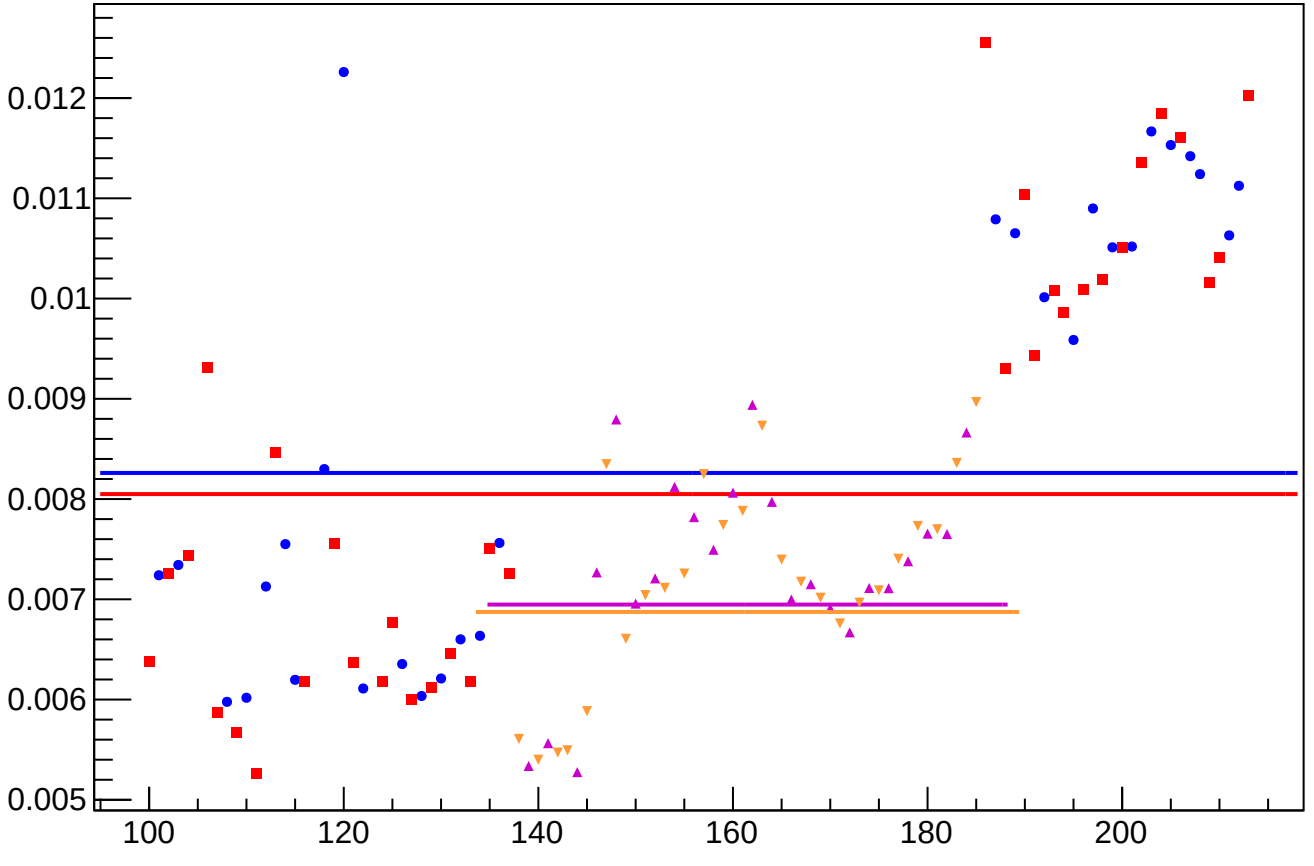
Right: -0.841+/-0.000 χ^2/NDF: 502640007362.6/62

In: -1.211+/-0.000 χ^2/NDF:338117534117.2/51

Out: -1.241+/-0.000 χ^2/NDF:374349797556.1/58

All: -1.227+/-0.000 χ^2/NDF: 712752299850.6

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1991936.4/28

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

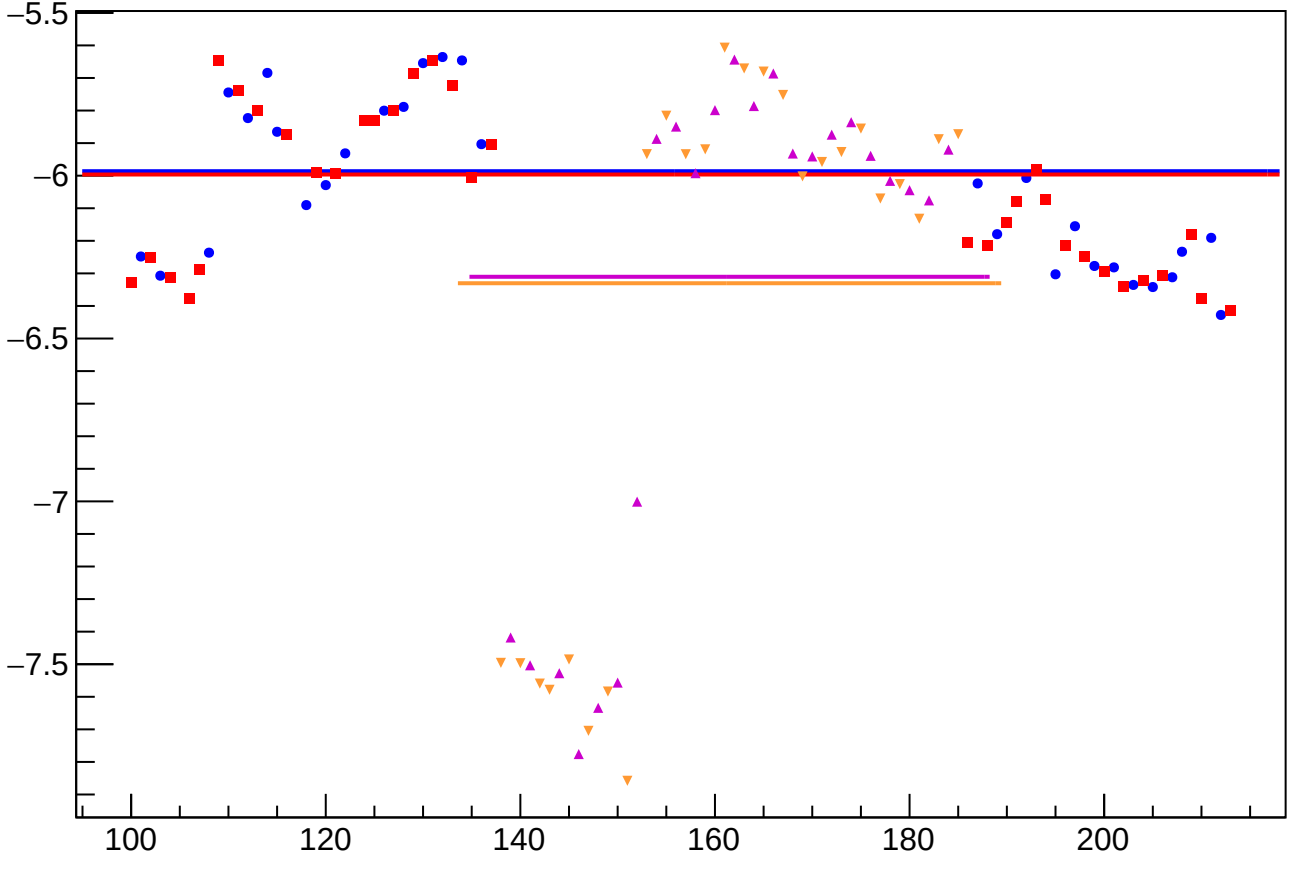
Right: 0.008+/-0.000 χ^2/NDF: 4389178.8/62

In: 0.007+/-0.000 χ^2/NDF:3215129.0/51

Out: 0.007+/-0.000 χ^2/NDF:3562557.4/58

All: 0.007+/-0.000 χ^2/NDF: 6785118.9/110

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.986+/-0.000 χ^2/NDF: 16658792896.0/28

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

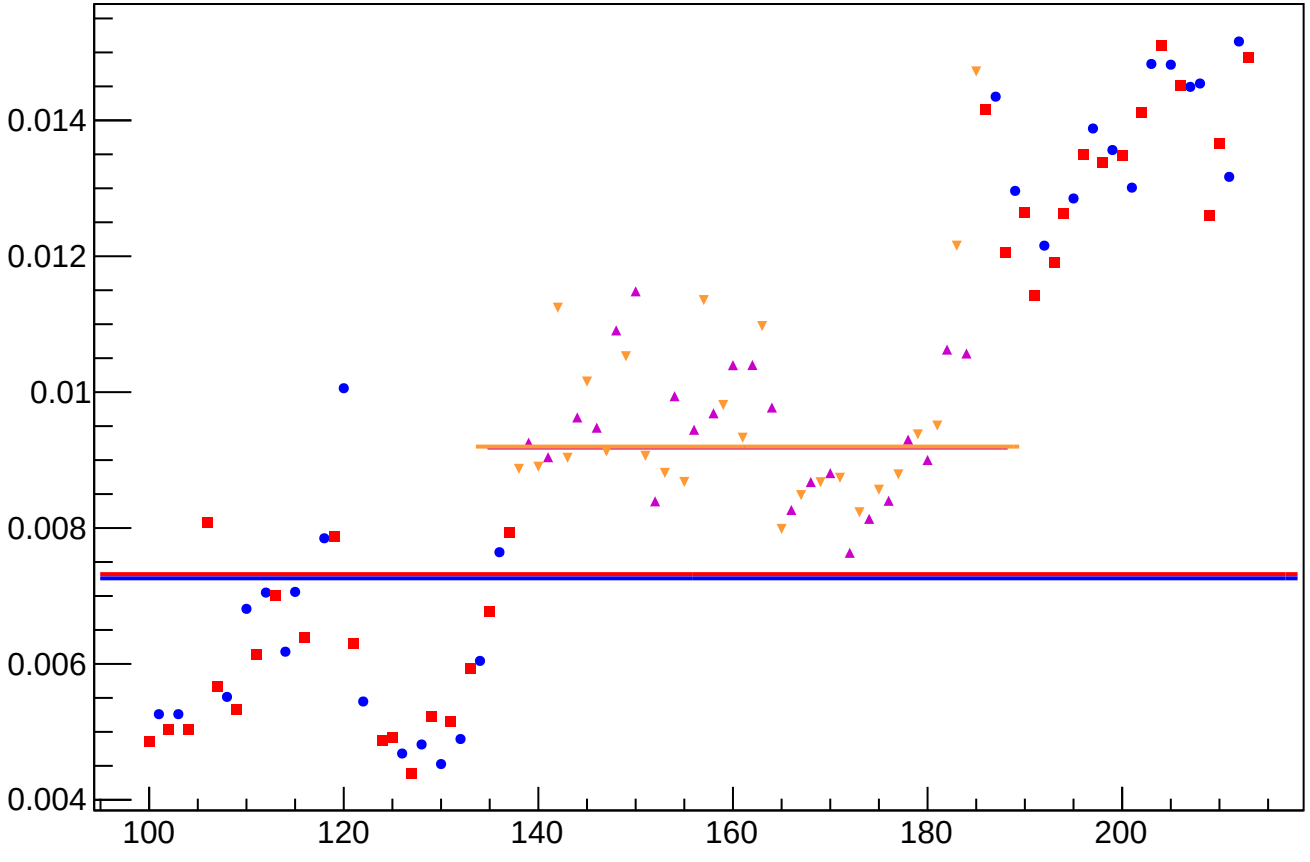
Right: -5.992+/-0.000 χ^2/NDF: 34493951698.3/62

In: -6.123+/-0.000 χ^2/NDF:119449713546.4/51

Out: -6.134+/-0.000 χ^2/NDF:140665532434.3/58

All: -6.129+/-0.000 χ^2/NDF: 260141203872.6

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6040980.8/28

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

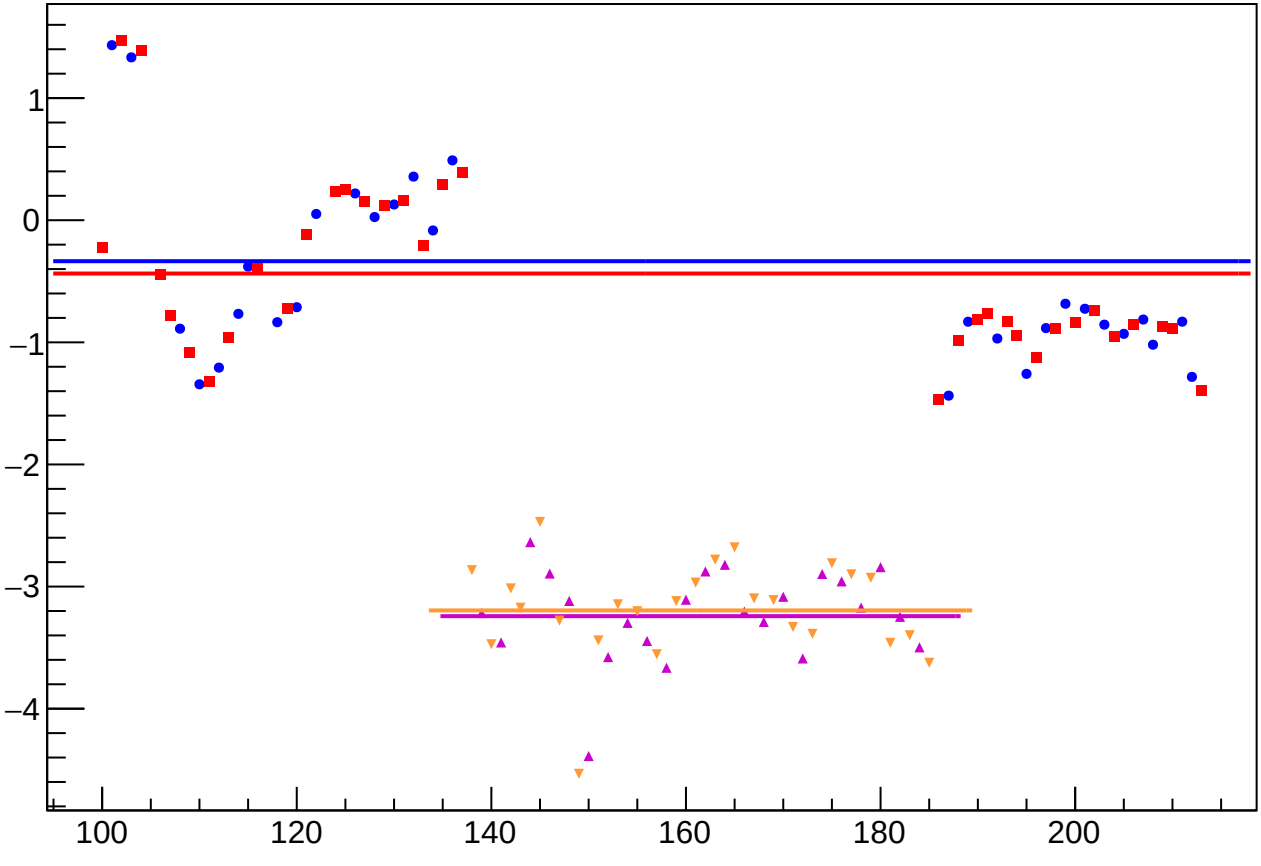
Right: 0.007+/-0.000 χ^2/NDF: 12308306.8/62

In: 0.008+/-0.000 χ^2/NDF:7142348.5/51

Out: 0.008+/-0.000 χ^2/NDF:7424542.8/58

All: 0.008+/-0.000 χ^2/NDF: 14567114.0/110

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.336+/-0.000 χ^2/NDF: 36590868237.2/28

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

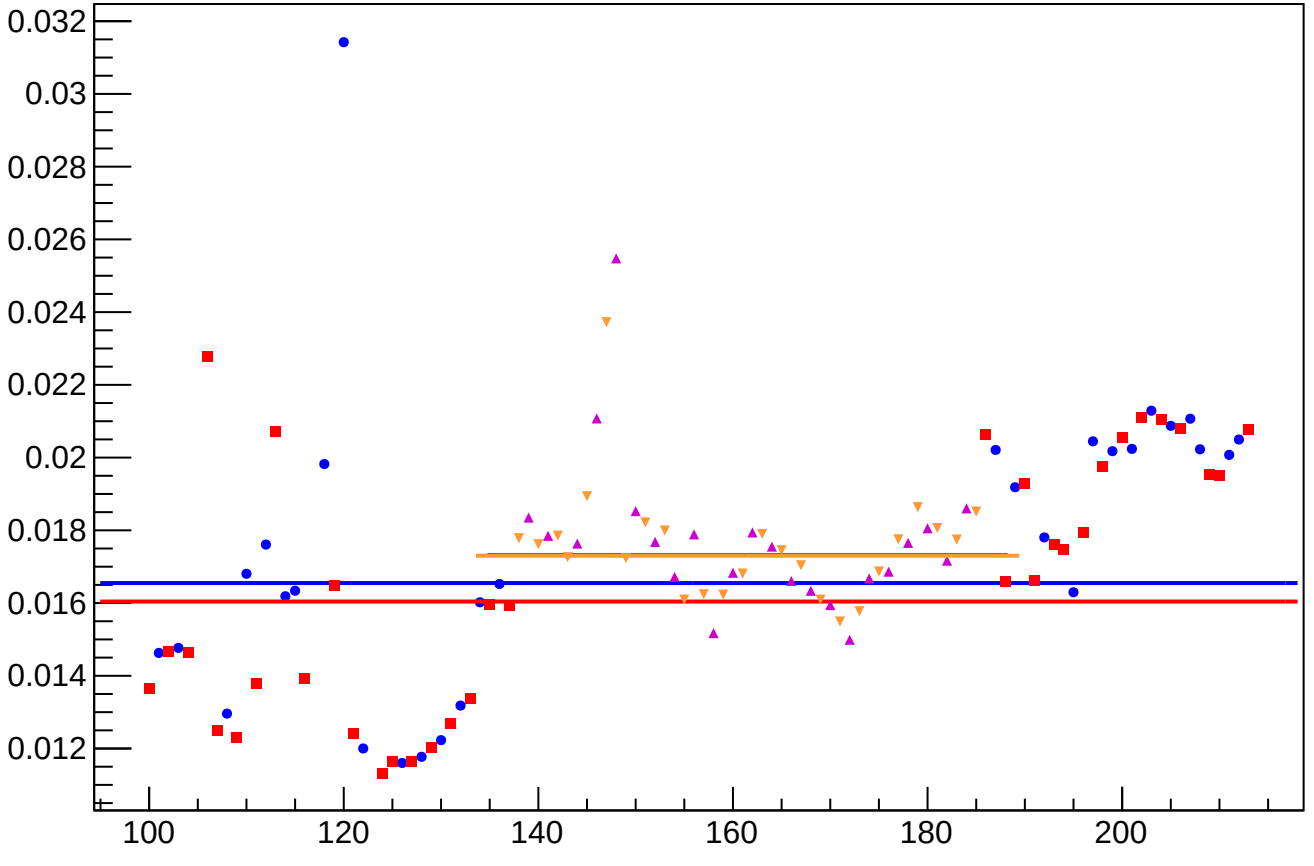
Right: -0.390+/-0.000 χ^2/NDF: 75108467152.8/62

In: -1.799+/-0.000 χ^2/NDF:289610008796.6/51

Out: -1.755+/-0.000 χ^2/NDF:294451883010.7/58

All: -1.776+/-0.000 χ^2/NDF: 584181860899.9

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 1466161.3/28

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

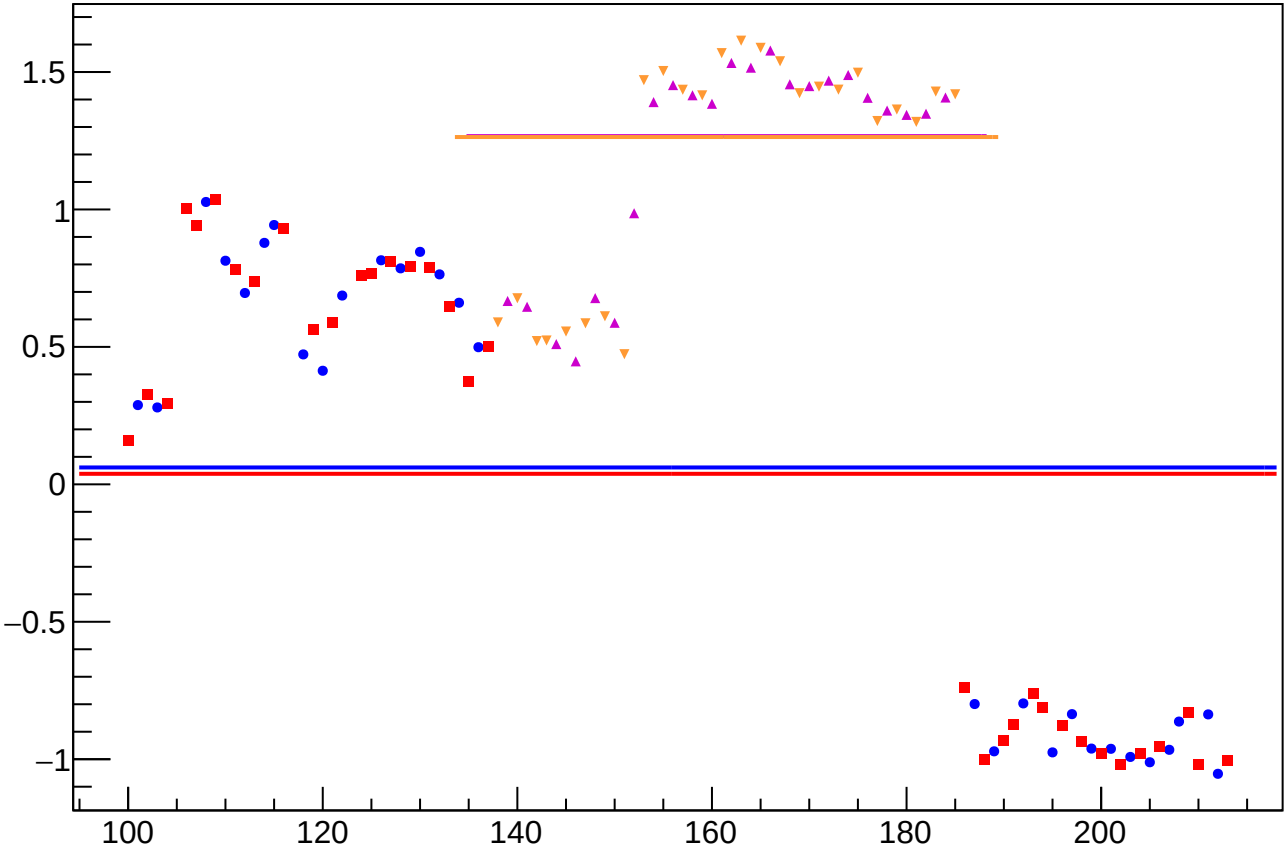
Right: 0.016+/-0.000 χ^2/NDF: 3019074.1/62

In: 0.017+/-0.000 χ^2/NDF:1830644.2/51

Out: 0.017+/-0.000 χ^2/NDF:1857683.5/58

All: 0.017+/-0.000 χ^2/NDF: 3699060.8/110

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.061+/-0.000 χ^2/NDF: 85816764078.2/28

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

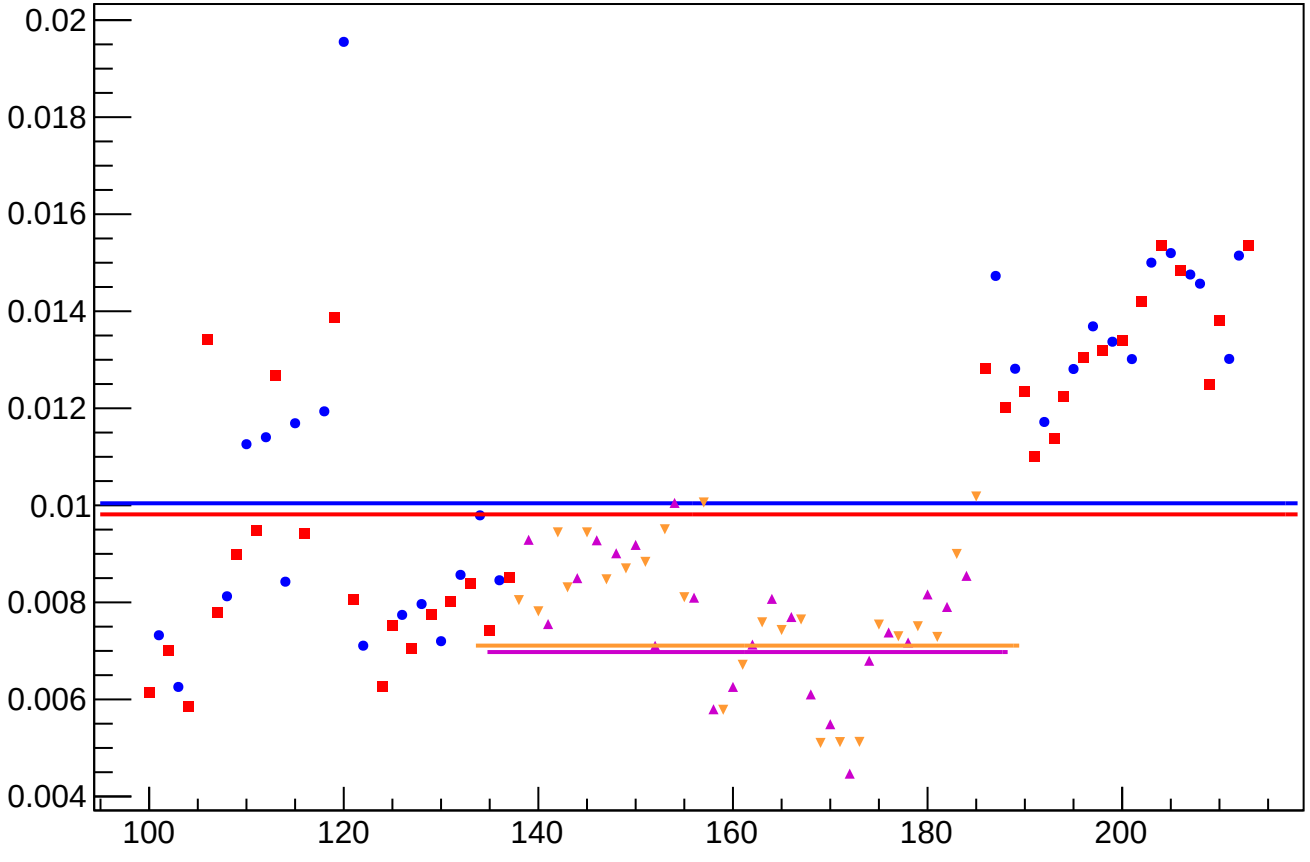
Right: 0.049+/-0.000 χ^2/NDF: 185943122324.8/62

In: 0.898+/-0.000 χ^2/NDF:271922915835.2/51

Out: 0.854+/-0.000 χ^2/NDF:314548605576.5/58

All: 0.875+/-0.000 χ^2/NDF: 586948273854.6

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 2818855.8/28

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

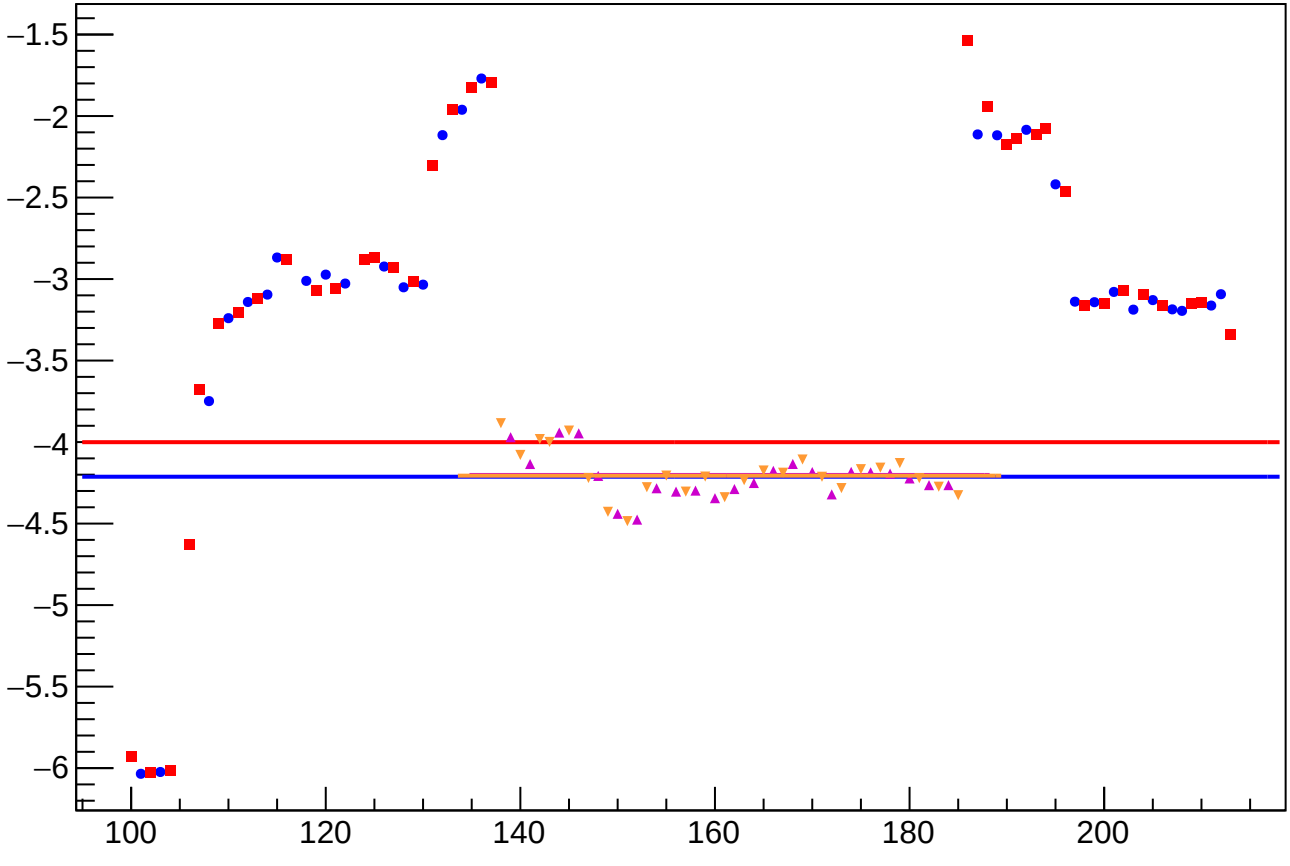
Right: 0.010+/-0.000 χ^2/NDF: 5854786.8/62

In: 0.008+/-0.000 χ^2/NDF:6197186.8/51

Out: 0.008+/-0.000 χ^2/NDF:6192836.8/58

All: 0.008+/-0.000 χ^2/NDF: 12394816.6/110

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.213+/-0.000 χ^2/NDF: 299414216544.4/28

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

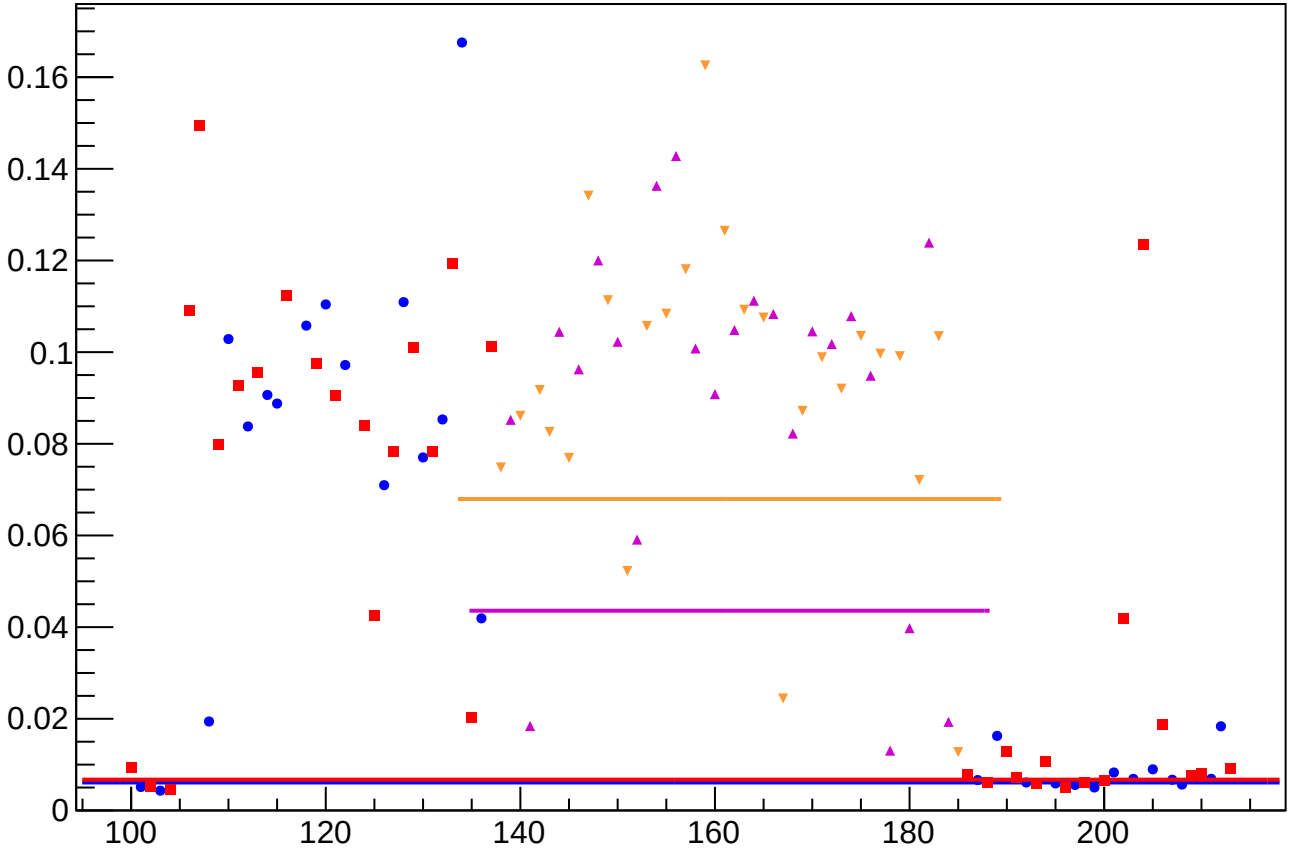
Right: -4.117+/-0.000 χ^2/NDF: 608517535381.9/62

In: -4.212+/-0.000 χ^2/NDF:299457428727.3/51

Out: -4.006+/-0.000 χ^2/NDF:306849568326.6/58

All: -4.120+/-0.000 χ^2/NDF: 608670386418.

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 9094075.5/28

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

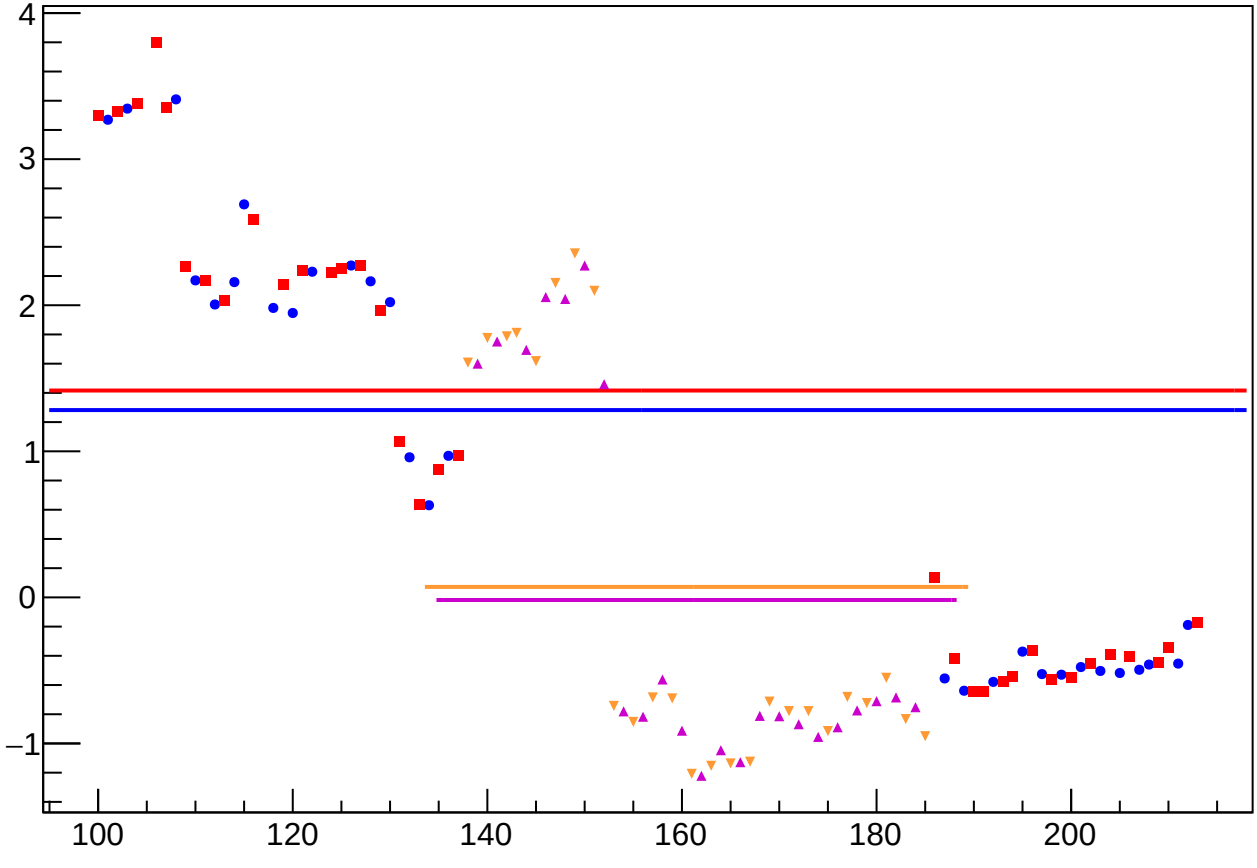
Right: 0.006+/-0.000 χ^2/NDF: 19871149.6/62

In: 0.007+/-0.000 χ^2/NDF:32971107.4/51

Out: 0.008+/-0.000 χ^2/NDF:37795410.4/58

All: 0.008+/-0.000 χ^2/NDF: 70877506.7/110

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.282+/-0.000 χ^2/NDF: 233660577684.3/28

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

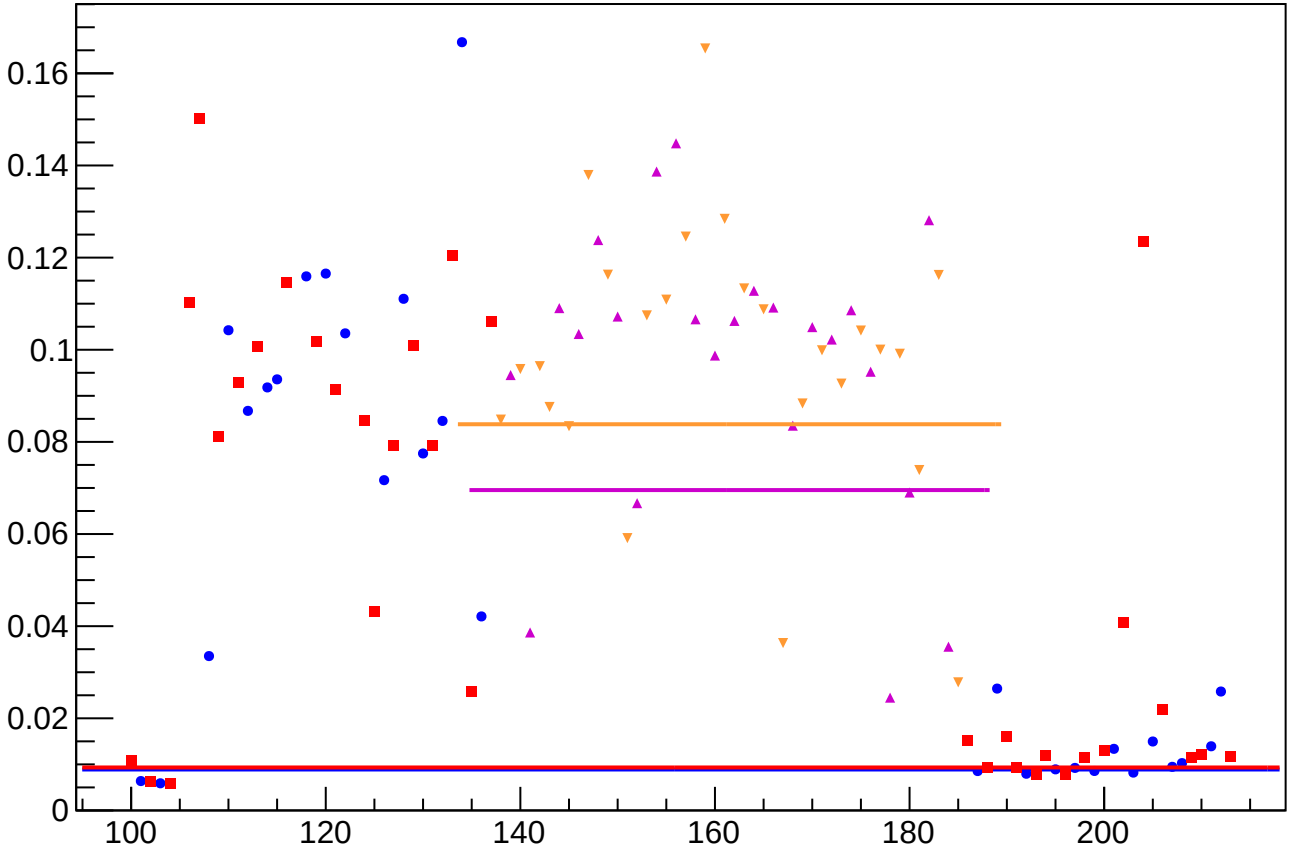
Right: 1.346+/-0.000 χ^2/NDF: 442570209957.2/62

In: 1.237+/-0.000 χ^2/NDF:240995226933.8/51

Out: 1.371+/-0.000 χ^2/NDF:215582443994.9/58

All: 1.300+/-0.000 χ^2/NDF: 457155610354.0

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 9061213.9/28

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

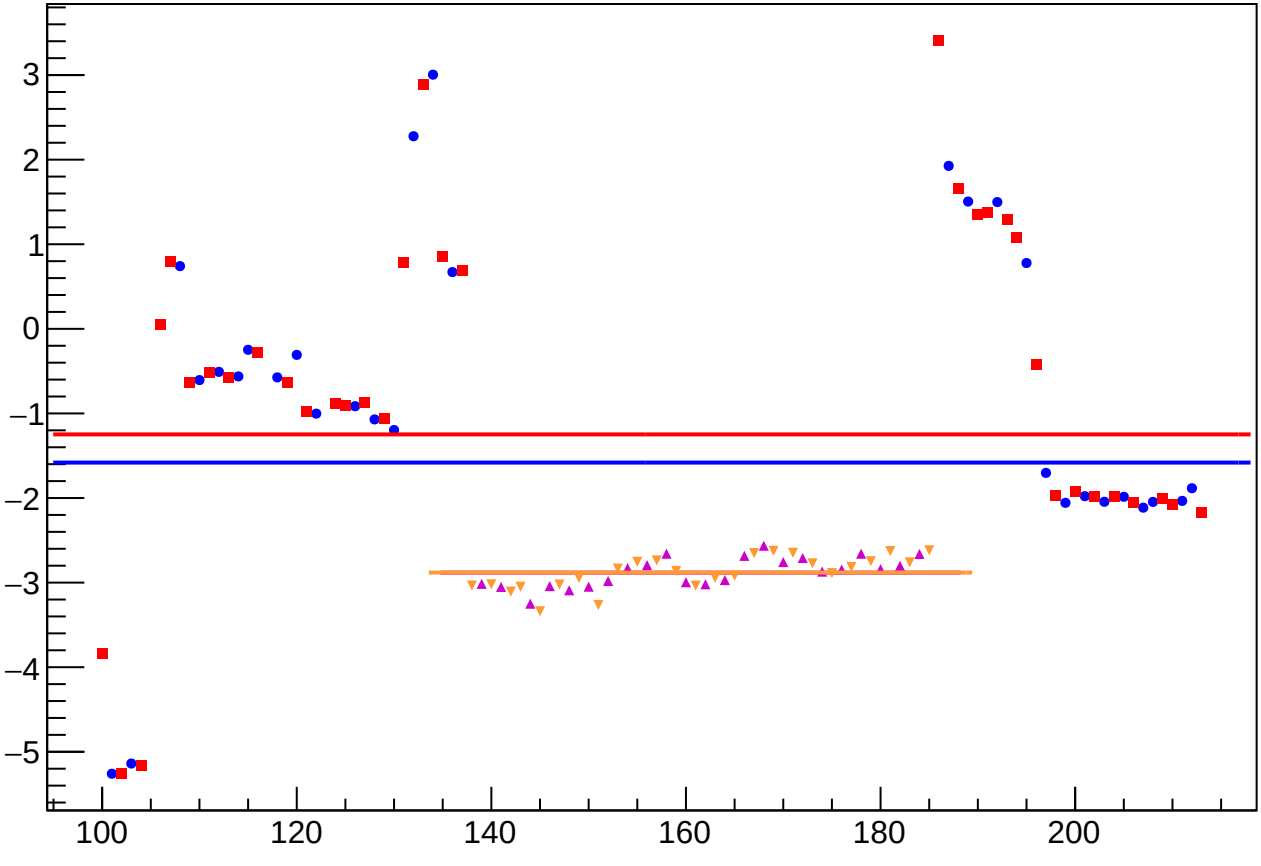
Right: 0.009+/-0.000 χ^2/NDF: 19590432.1/62

In: 0.011+/-0.000 χ^2/NDF:32639291.1/51

Out: 0.012+/-0.000 χ^2/NDF:36416796.4/58

All: 0.011+/-0.000 χ^2/NDF: 69099647.9/110

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.581+/-0.000 χ^2/NDF: 209369139032.4/28

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

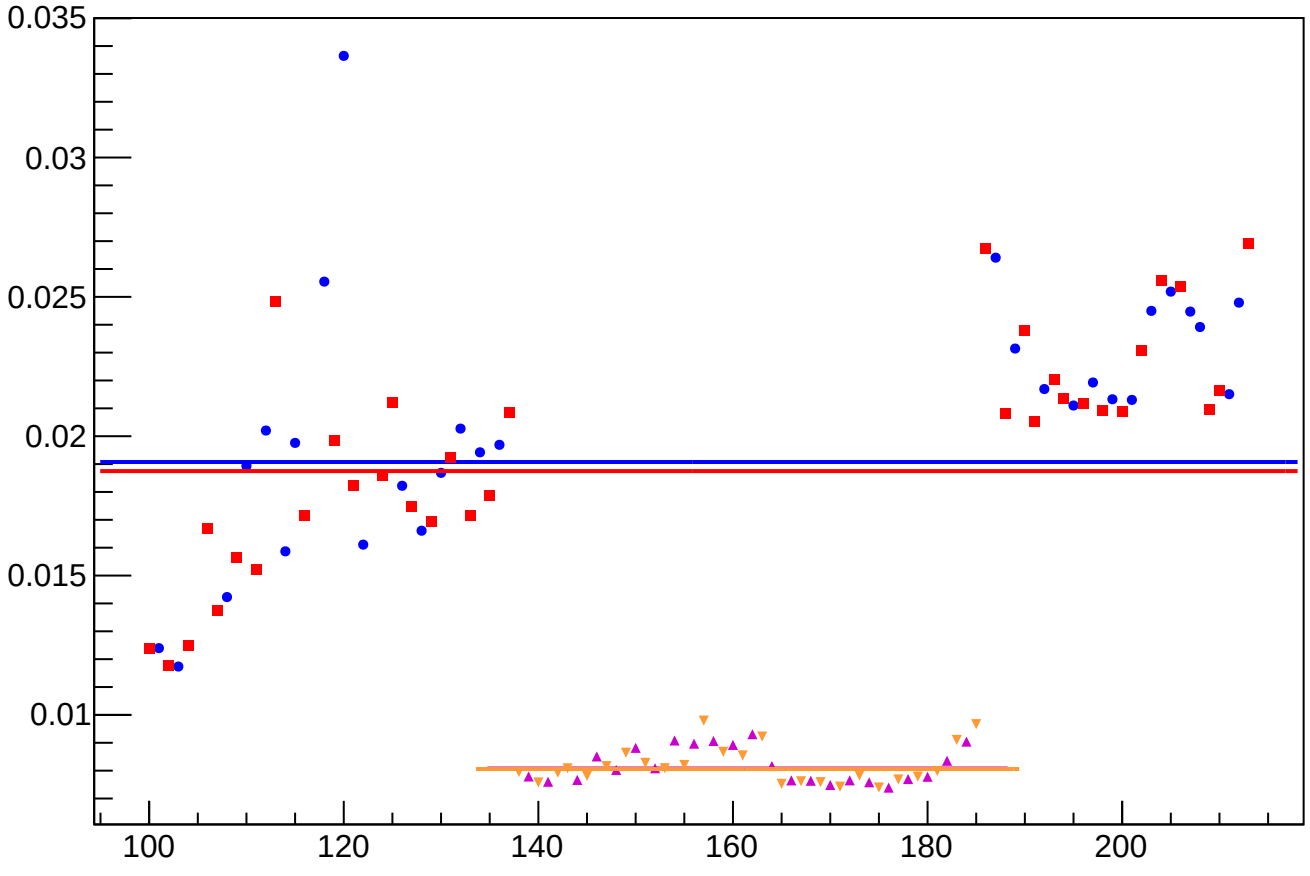
Right: -1.403+/-0.000 χ^2/NDF: 451602566150.4/62

In: -2.707+/-0.000 χ^2/NDF:278623927839.8/51

Out: -2.646+/-0.000 χ^2/NDF:359625624426.1/58

All: -2.675+/-0.000 χ^2/NDF: 638861750170.3

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1748551.9/28

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

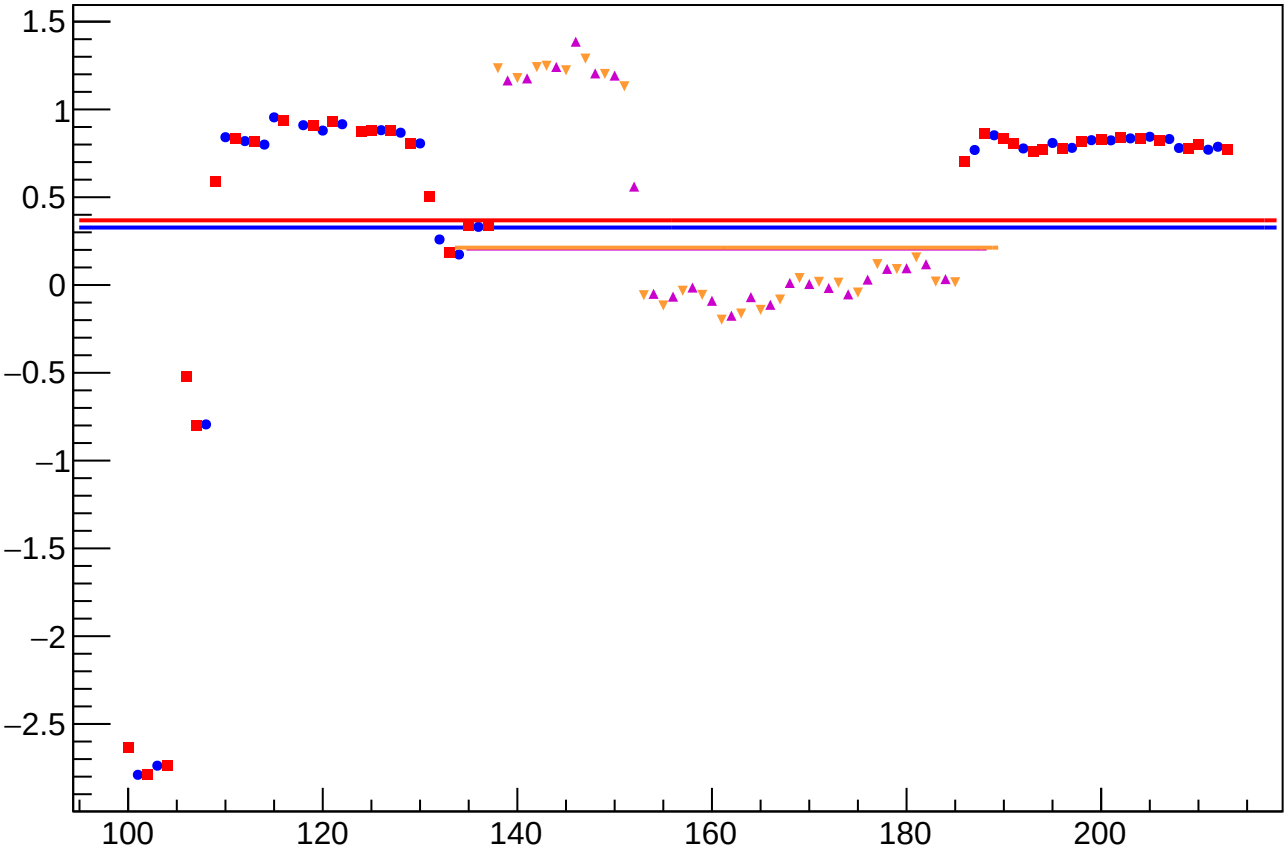
Right: 0.019+/-0.000 χ^2/NDF: 3471499.9/62

In: 0.010+/-0.000 χ^2/NDF:10633790.9/51

Out: 0.010+/-0.000 χ^2/NDF:11269251.1/58

All: 0.010+/-0.000 χ^2/NDF: 21903663.6/110

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.327+/-0.000 χ^2/NDF: 971999467181.5/28

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

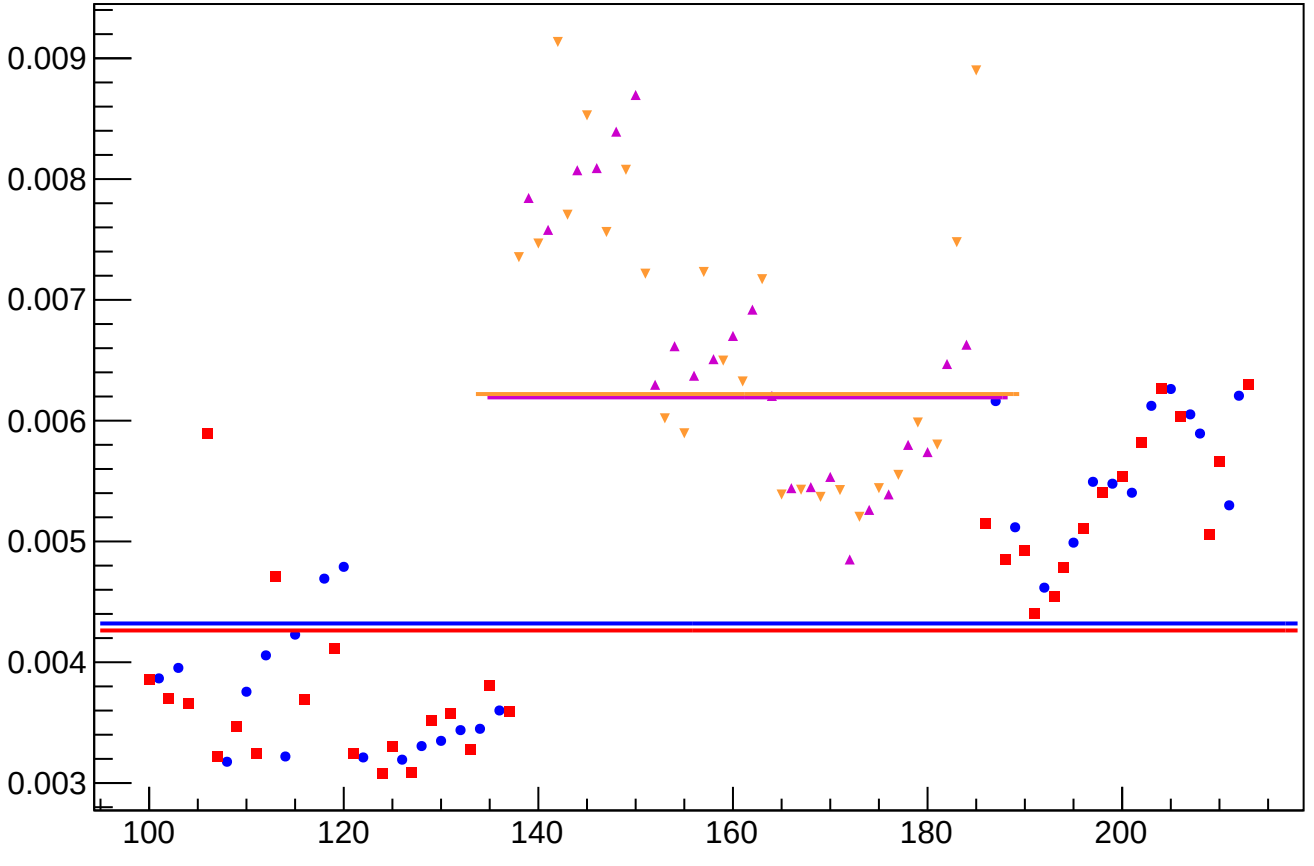
Right: 0.349+/-0.000 χ^2/NDF: 2033584525044.5/62

In: 0.288+/-0.000 χ^2/NDF:1063098683474.4/51

Out: 0.320+/-0.000 χ^2/NDF:1170829912476.2/58

All: 0.305+/-0.000 χ^2/NDF: 2234599461519.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 1799999.2/28

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

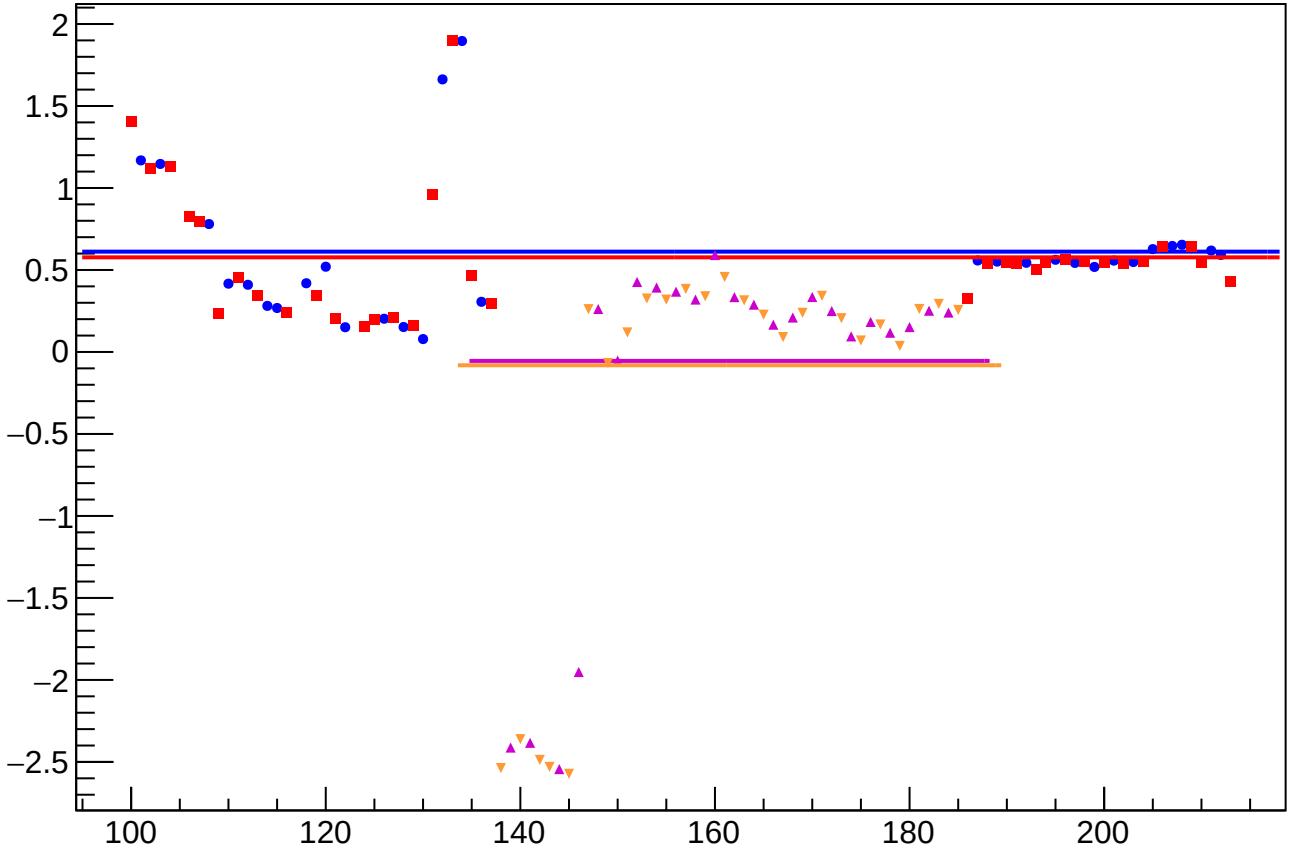
Right: 0.004+/-0.000 χ^2/NDF: 3677346.9/62

In: 0.005+/-0.000 χ^2/NDF:4559955.3/51

Out: 0.005+/-0.000 χ^2/NDF:4958246.4/58

All: 0.005+/-0.000 χ^2/NDF: 9523453.6/110

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 43975236545.0/28

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

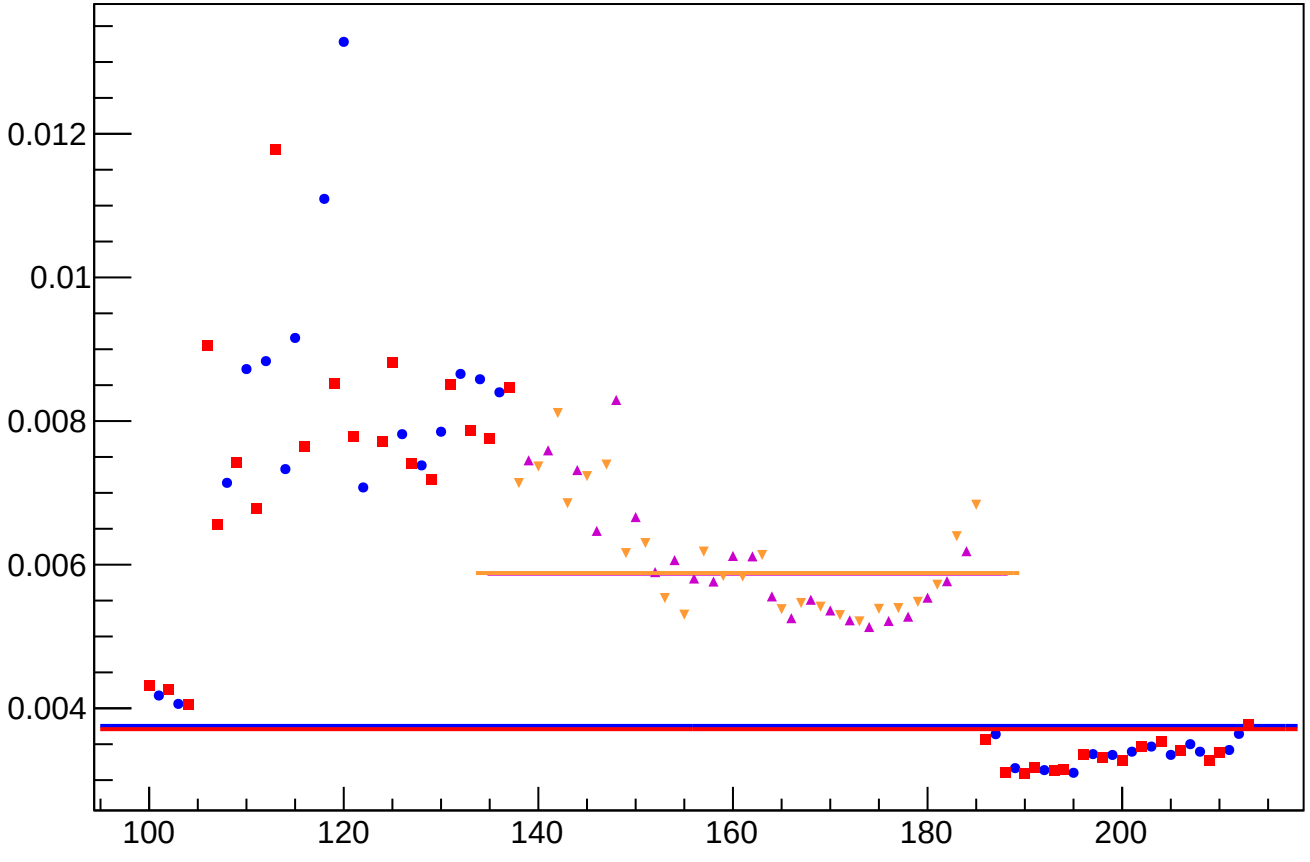
Right: 0.593+/-0.000 χ^2/NDF: 90362895819.8/62

In: 0.397+/-0.000 χ^2/NDF:536820982358.4/51

Out: 0.378+/-0.000 χ^2/NDF:587078335479.0/58

All: 0.387+/-0.000 χ^2/NDF: 1124186977767.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3485749.5/28

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

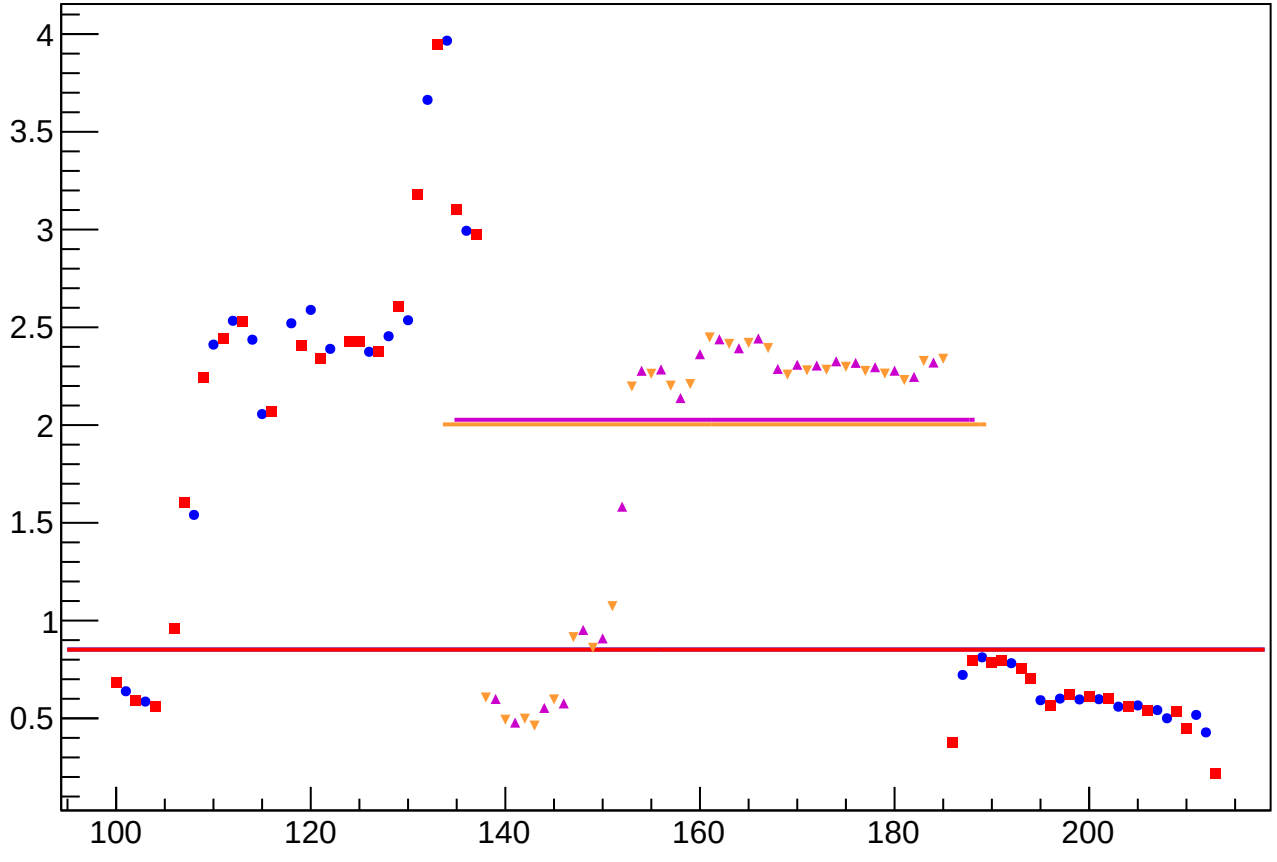
Right: 0.004+/-0.000 χ^2/NDF: 6967514.8/62

In: 0.004+/-0.000 χ^2/NDF:6958665.4/51

Out: 0.004+/-0.000 χ^2/NDF:7276008.4/58

All: 0.004+/-0.000 χ^2/NDF: 14242632.8/110

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 249878176586.2/28

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

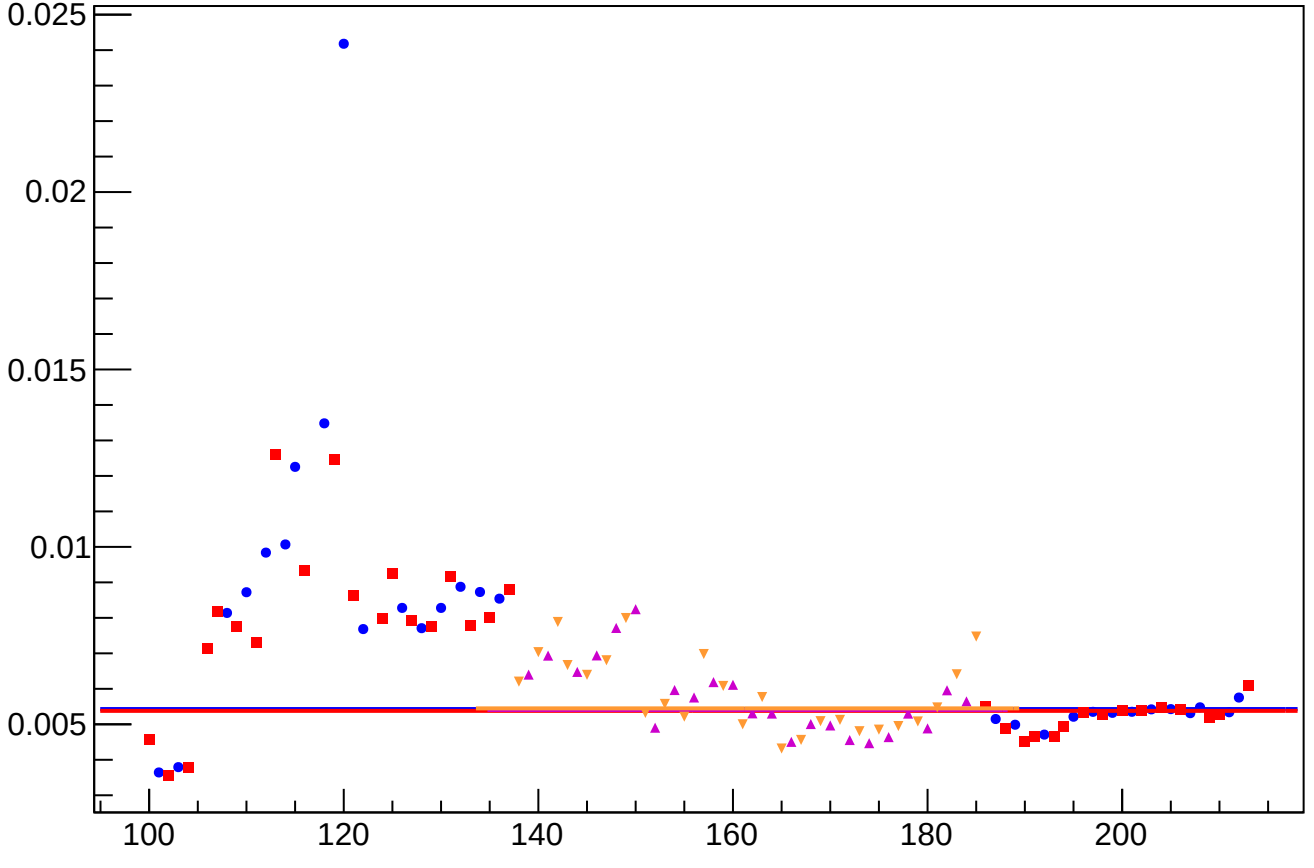
Right: 0.852+/-0.000 χ^2/NDF: 537694957433.2/62

In: 1.456+/-0.000 χ^2/NDF:801081260048.5/51

Out: 1.416+/-0.000 χ^2/NDF:880212759463.4/58

All: 1.435+/-0.000 χ^2/NDF: 1682135331891.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2313607.7/28

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

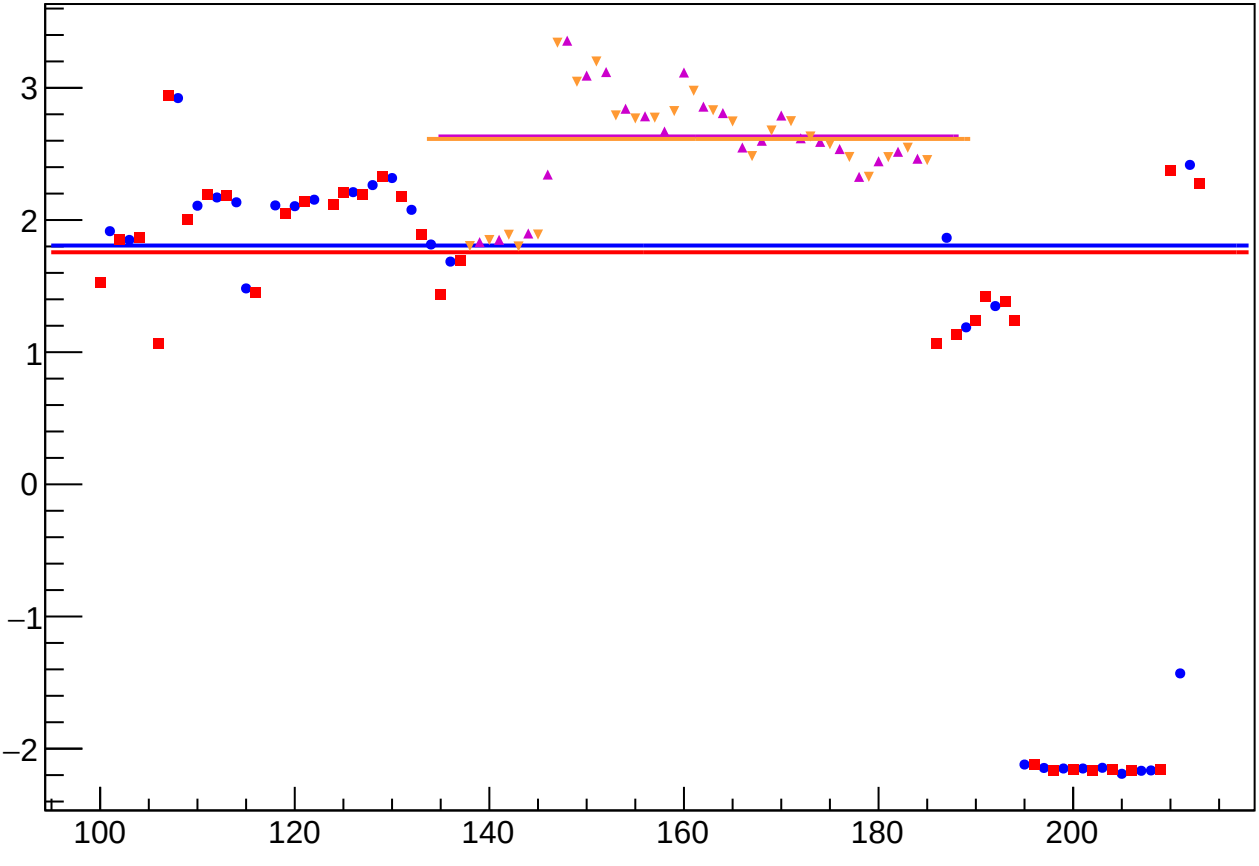
Right: 0.005+/-0.000 χ^2/NDF: 4467951.7/62

In: 0.005+/-0.000 χ^2/NDF:3129067.3/51

Out: 0.005+/-0.000 χ^2/NDF:2927125.5/58

All: 0.005+/-0.000 χ^2/NDF: 6056208.0/110

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.807+/-0.000 χ^2/NDF: 184128162505.2/28

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

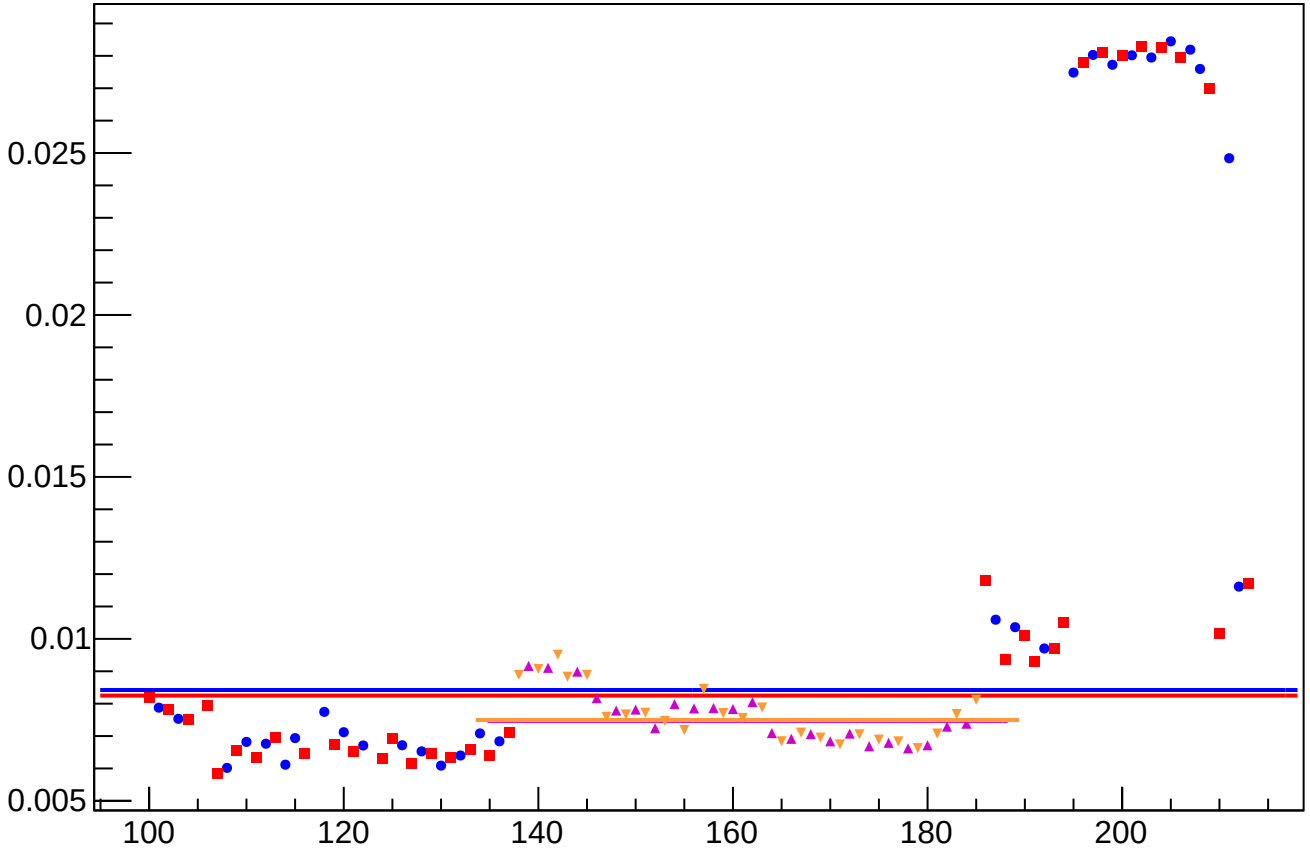
Right: 1.779+/-0.000 χ^2/NDF: 349592936536.7/62

In: 2.330+/-0.000 χ^2/NDF:301989974457.6/51

Out: 2.270+/-0.000 χ^2/NDF:306622111663.0/58

All: 2.299+/-0.000 χ^2/NDF: 609528552065.1

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8430690.2/28

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

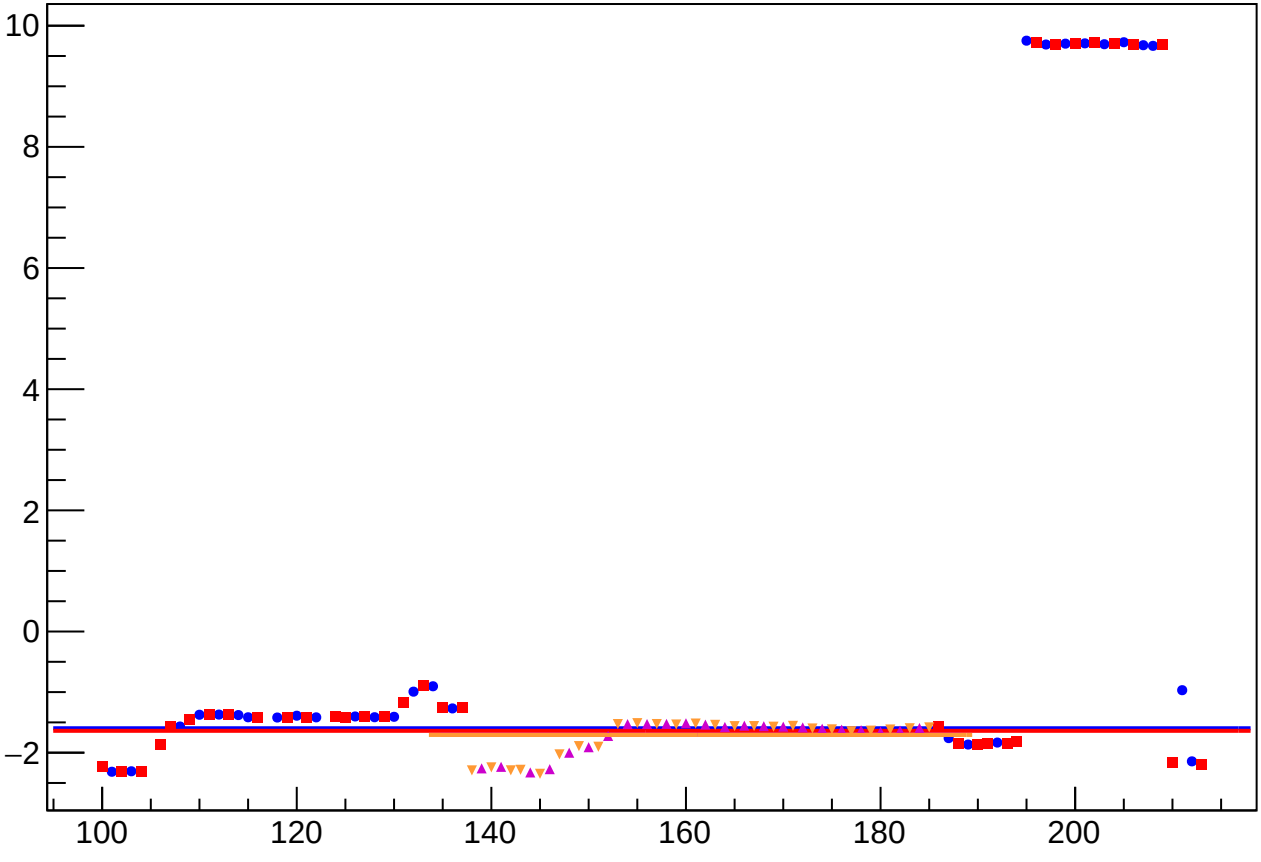
Right: 0.008+/-0.000 χ^2/NDF: 15830454.7/62

In: 0.008+/-0.000 χ^2/NDF:8959045.4/51

Out: 0.008+/-0.000 χ^2/NDF:7873873.0/58

All: 0.008+/-0.000 χ^2/NDF: 16833113.2/110

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.597+/-0.000 χ^2/NDF: 434890047114.7/28

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

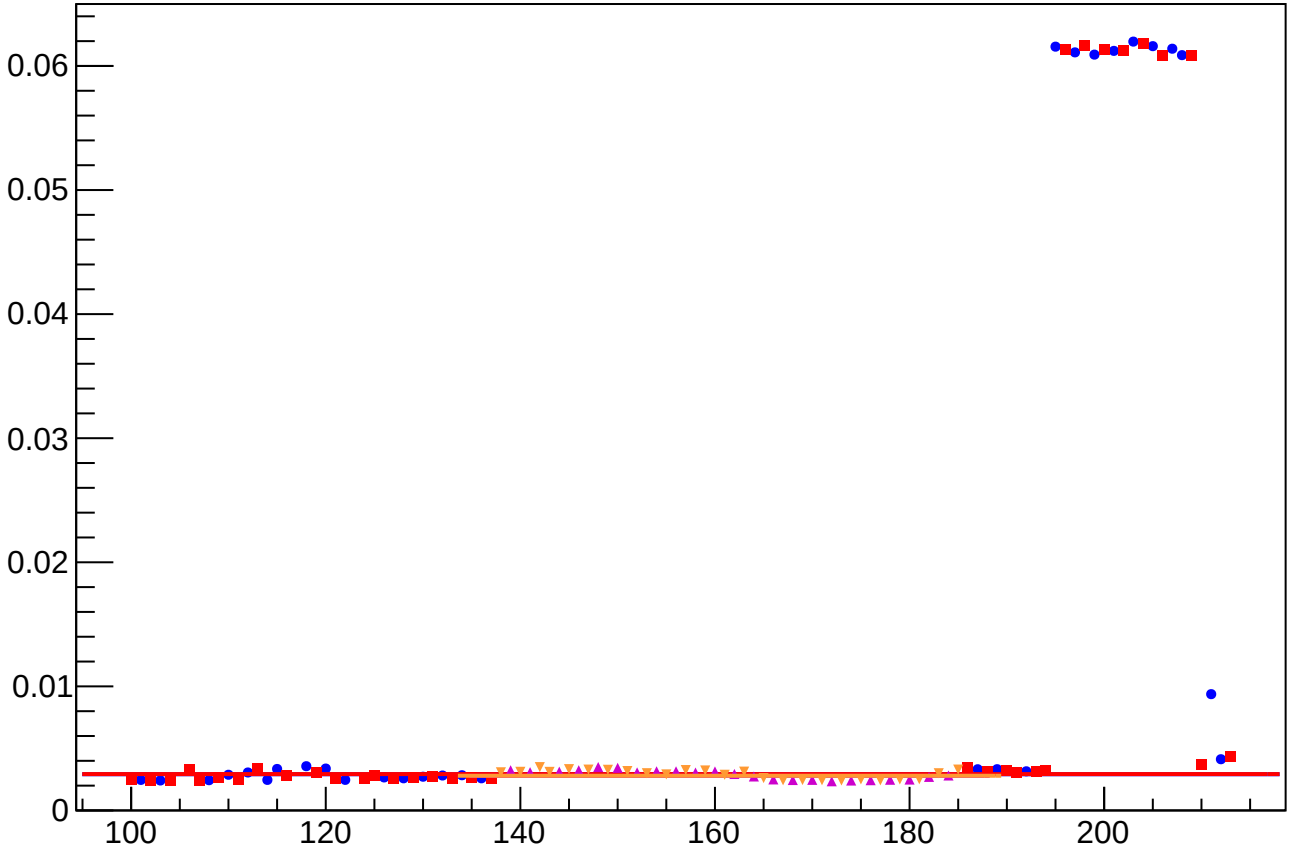
Right: -1.620+/-0.000 χ^2/NDF: 870478385910.0/62

In: -1.668+/-0.000 χ^2/NDF:580310641928.2/51

Out: -1.681+/-0.000 χ^2/NDF:590425668594.9/58

All: -1.675+/-0.000 χ^2/NDF: 1171035364875

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 13130404.9/28

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

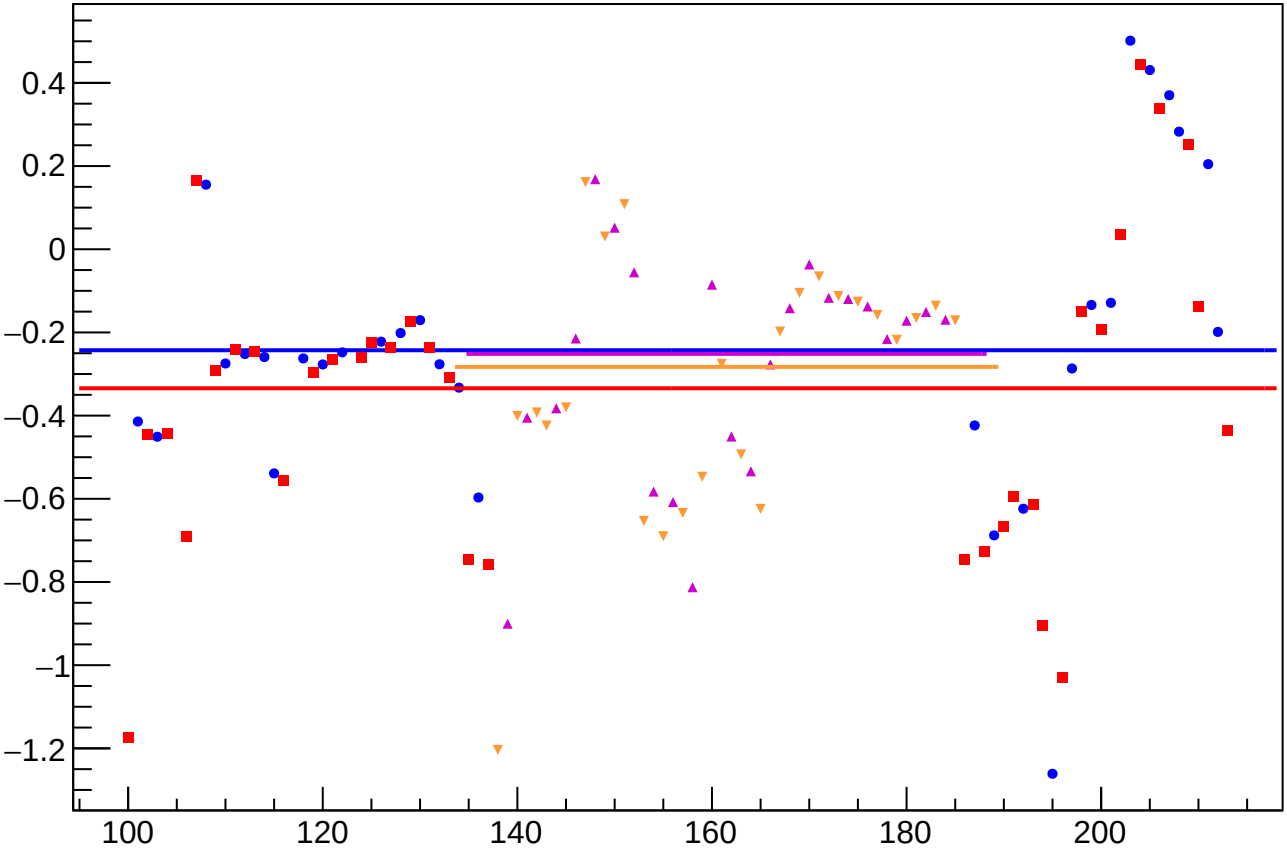
Right: 0.003+/-0.000 χ^2/NDF: 24862064.1/62

In: 0.003+/-0.000 χ^2/NDF:13714047.1/51

Out: 0.003+/-0.000 χ^2/NDF:12310912.2/58

All: 0.003+/-0.000 χ^2/NDF: 26026167.5/110

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.243+/-0.000 χ^2/NDF: 9708476995.7/28

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

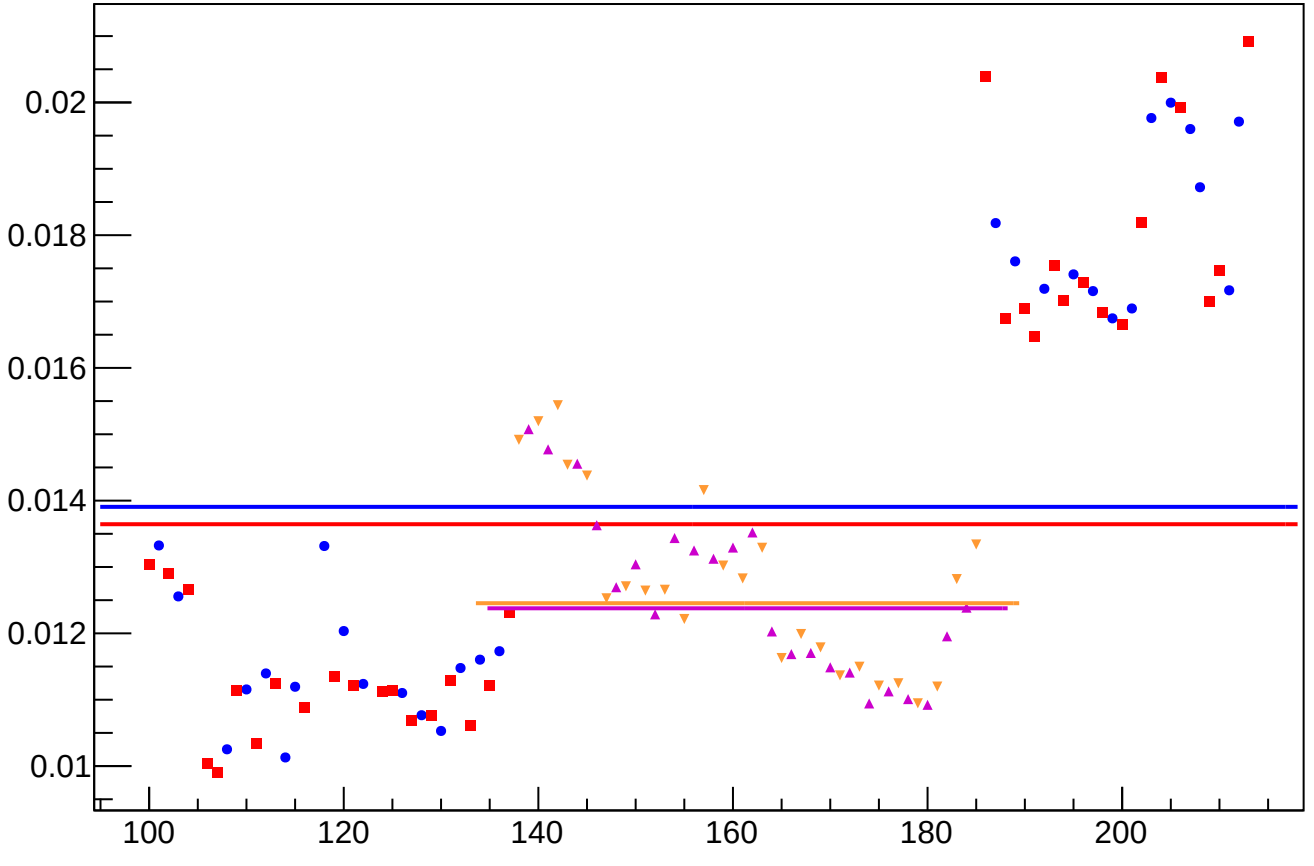
Right: -0.291+/-0.000 χ^2/NDF: 19992045724.8/62

In: -0.248+/-0.000 χ^2/NDF:16879475408.2/51

Out: -0.306+/-0.000 χ^2/NDF:19398164135.6/58

All: -0.278+/-0.000 χ^2/NDF: 36616407378.0/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1785424.0/28

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

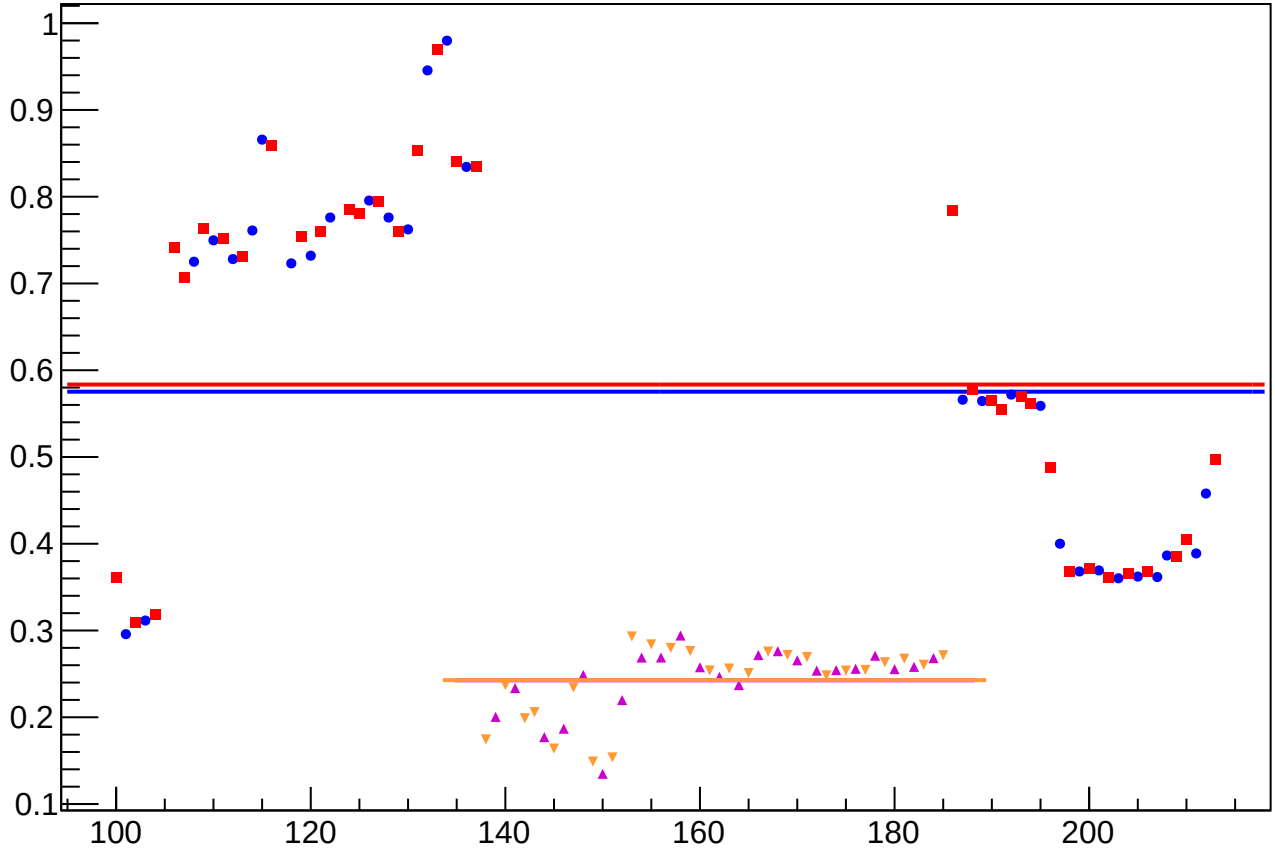
Right: 0.014+/-0.000 χ^2/NDF: 3925669.1/62

In: 0.013+/-0.000 χ^2/NDF:2335247.1/51

Out: 0.013+/-0.000 χ^2/NDF:2623313.2/58

All: 0.013+/-0.000 χ^2/NDF: 4958911.7/110

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.575+/-0.000 χ^2/NDF: 97976354741.9/28

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

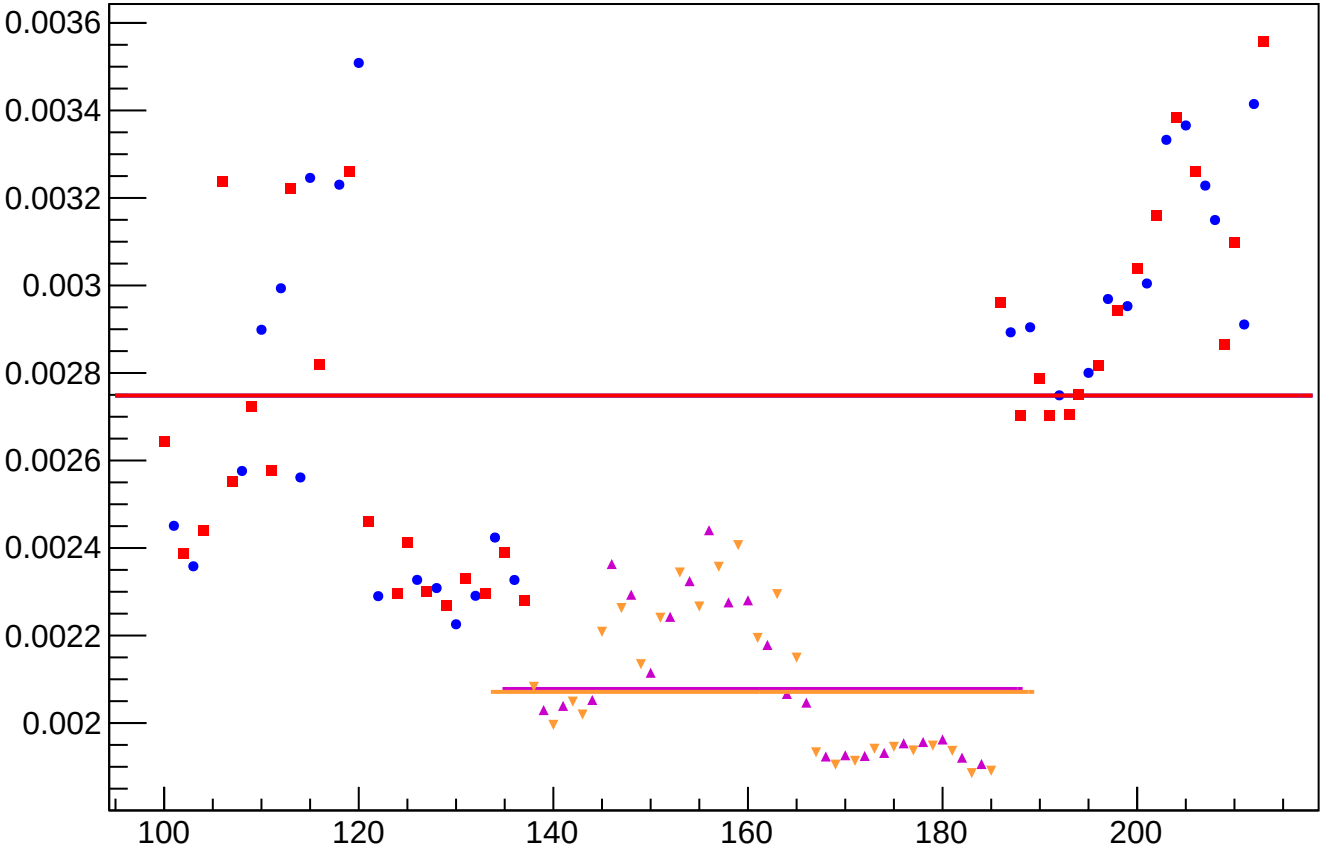
Right: 0.580+/-0.000 χ^2/NDF: 191522846964.6/62

In: 0.357+/-0.000 χ^2/NDF:263018719732.1/51

Out: 0.362+/-0.000 χ^2/NDF:281400116360.6/58

All: 0.360+/-0.000 χ^2/NDF: 544505206188.7

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 649696.5/28

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

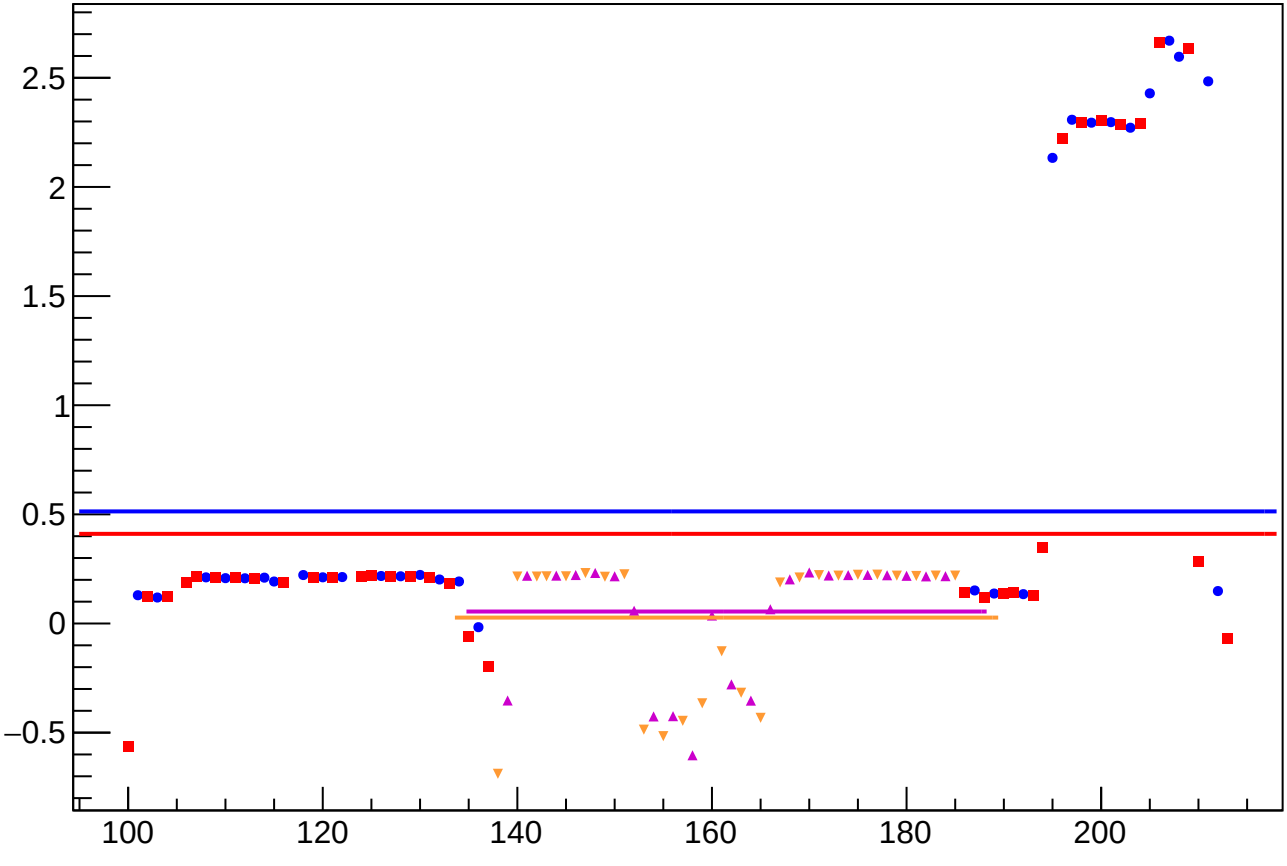
Right: 0.003+/-0.000 χ^2/NDF: 1242335.3/62

In: 0.002+/-0.000 χ^2/NDF:2154564.4/51

Out: 0.002+/-0.000 χ^2/NDF:2254062.4/58

All: 0.002+/-0.000 χ^2/NDF: 4408626.8/110

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.514+/-0.000 χ^2/NDF: 61272747630.9/28

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

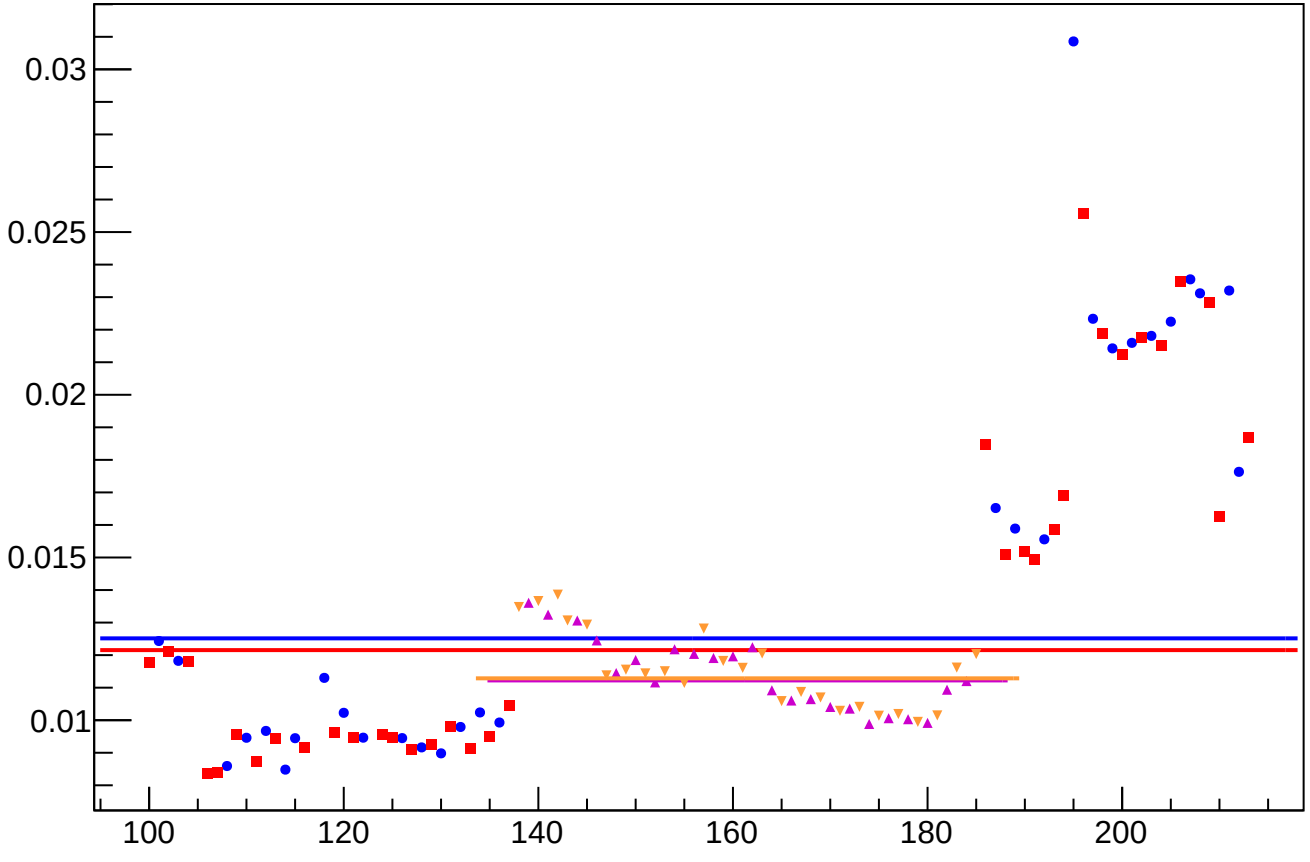
Right: 0.458+/-0.000 χ^2/NDF: 116588700056.0/62

In: 0.241+/-0.000 χ^2/NDF:82712000144.9/51

Out: 0.194+/-0.000 χ^2/NDF:76929029196.2/58

All: 0.216+/-0.000 χ^2/NDF: 159910687860.7

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 4650549.2/28

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

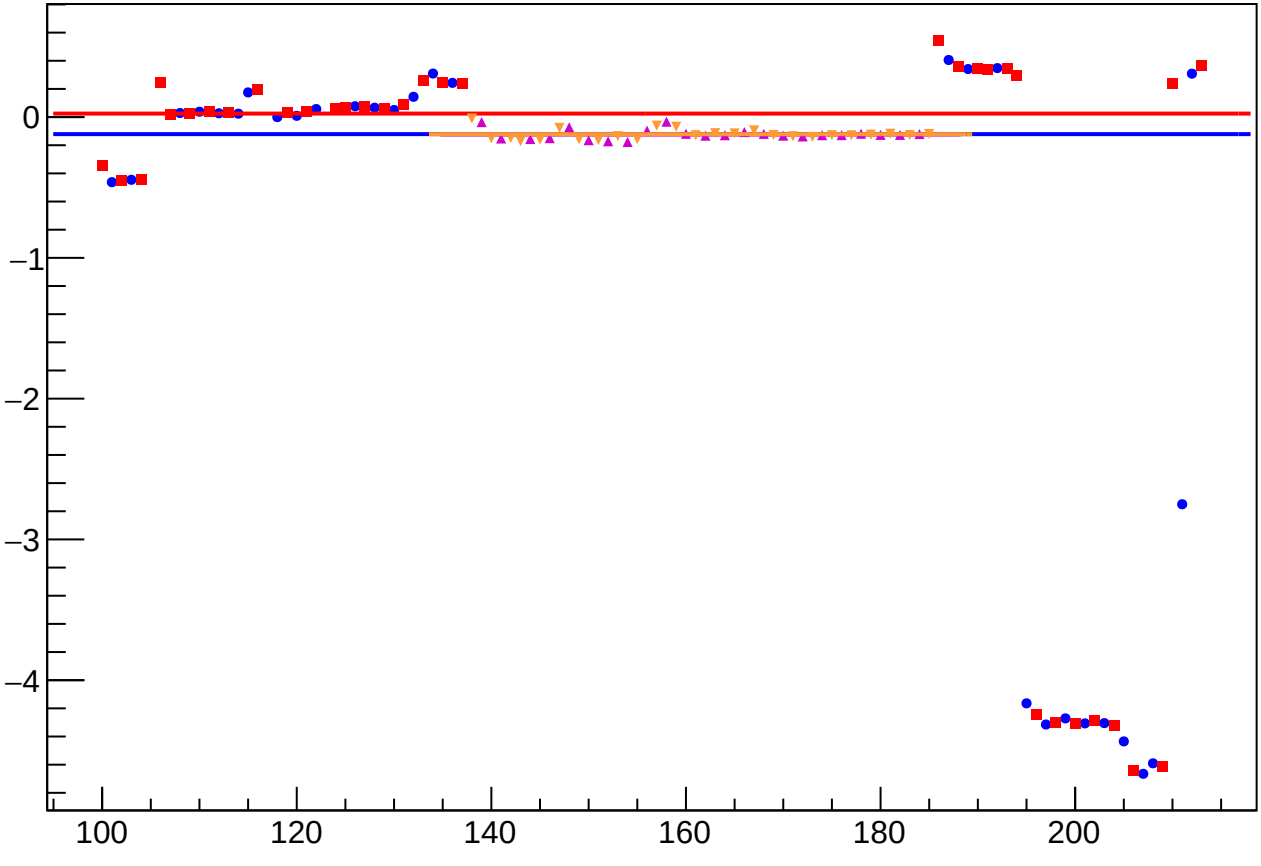
Right: 0.012+/-0.000 χ^2/NDF: 9188433.0/62

In: 0.012+/-0.000 χ^2/NDF:5152065.9/51

Out: 0.012+/-0.000 χ^2/NDF:4946729.2/58

All: 0.012+/-0.000 χ^2/NDF: 10100474.6/110

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.121+/-0.000 χ^2/NDF: 419569614381.0/28

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

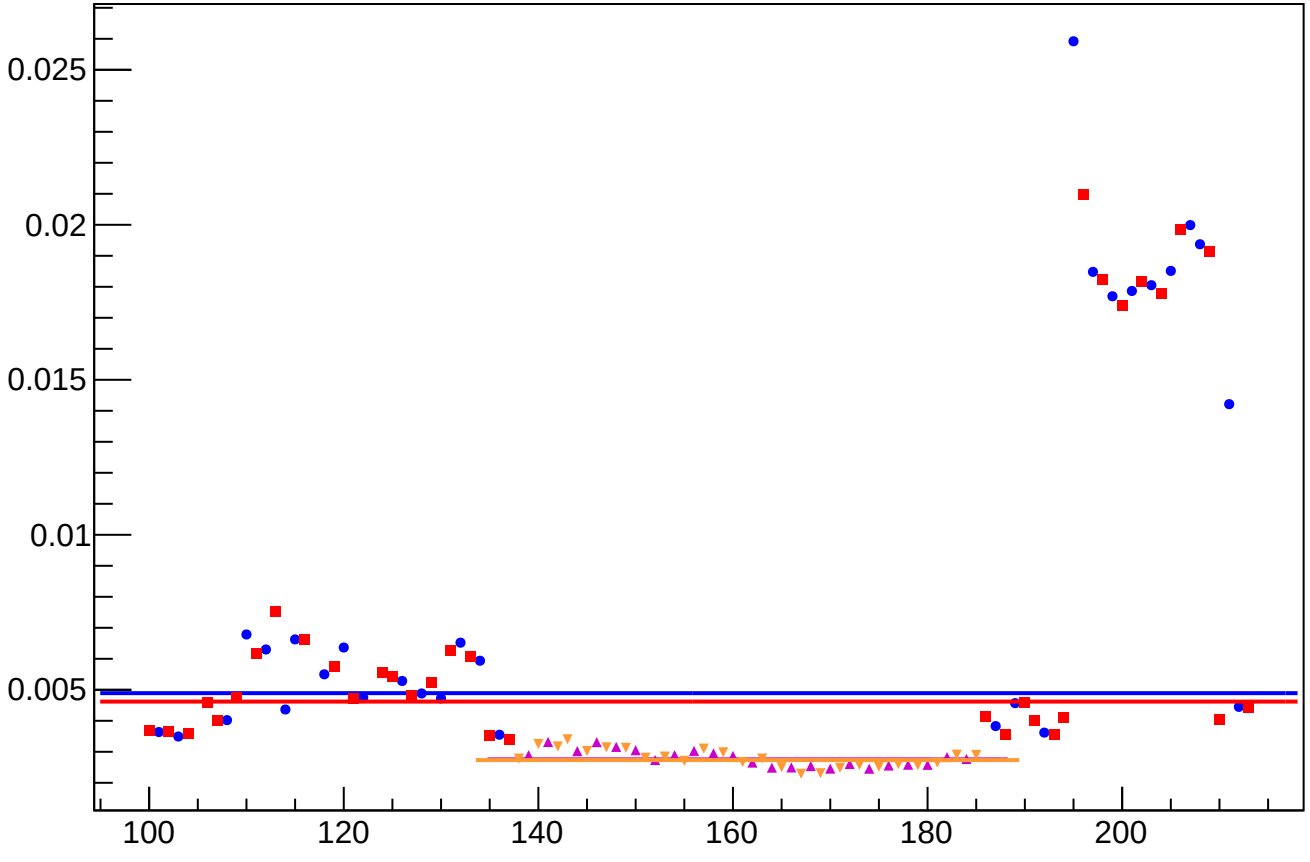
Right: -0.038+/-0.000 χ^2/NDF: 823632015445.3/62

In: -0.123+/-0.000 χ^2/NDF:422381671586.4/51

Out: -0.091+/-0.000 χ^2/NDF:412035211022.0/58

All: -0.106+/-0.000 χ^2/NDF: 835900298294.1

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 9294359.0/28

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

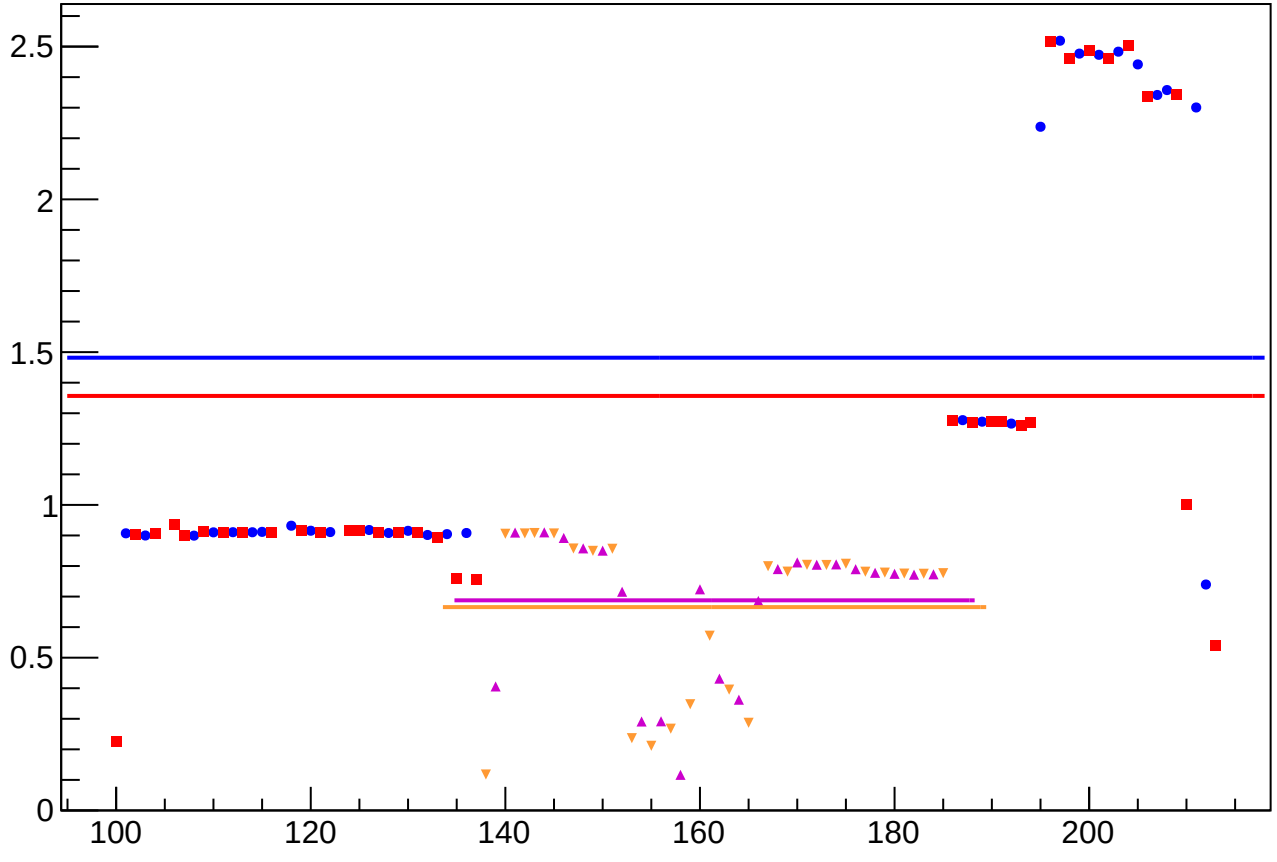
Right: 0.005+/-0.000 χ^2/NDF: 17344702.1/62

In: 0.003+/-0.000 χ^2/NDF:13246650.1/51

Out: 0.003+/-0.000 χ^2/NDF:12030397.7/58

All: 0.003+/-0.000 χ^2/NDF: 25277180.6/110

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.482+/-0.000 χ^2/NDF: 54237952731.1/28

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

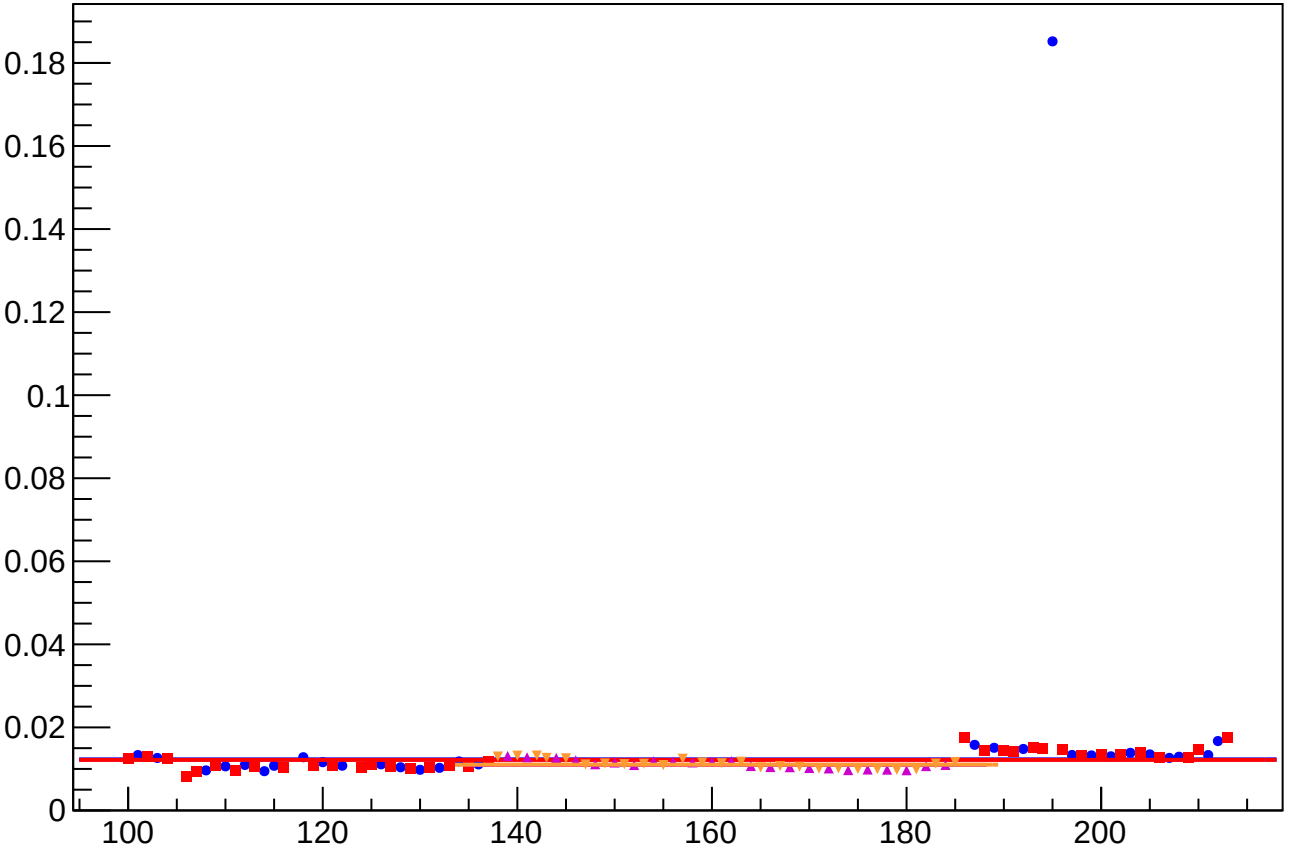
Right: 1.416+/-0.000 χ^2/NDF: 108835021672.6/62

In: 1.020+/-0.000 χ^2/NDF:99574798734.8/51

Out: 0.968+/-0.000 χ^2/NDF:94549213147.4/58

All: 0.993+/-0.000 χ^2/NDF: 194484921621.4

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2129276.0/28

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

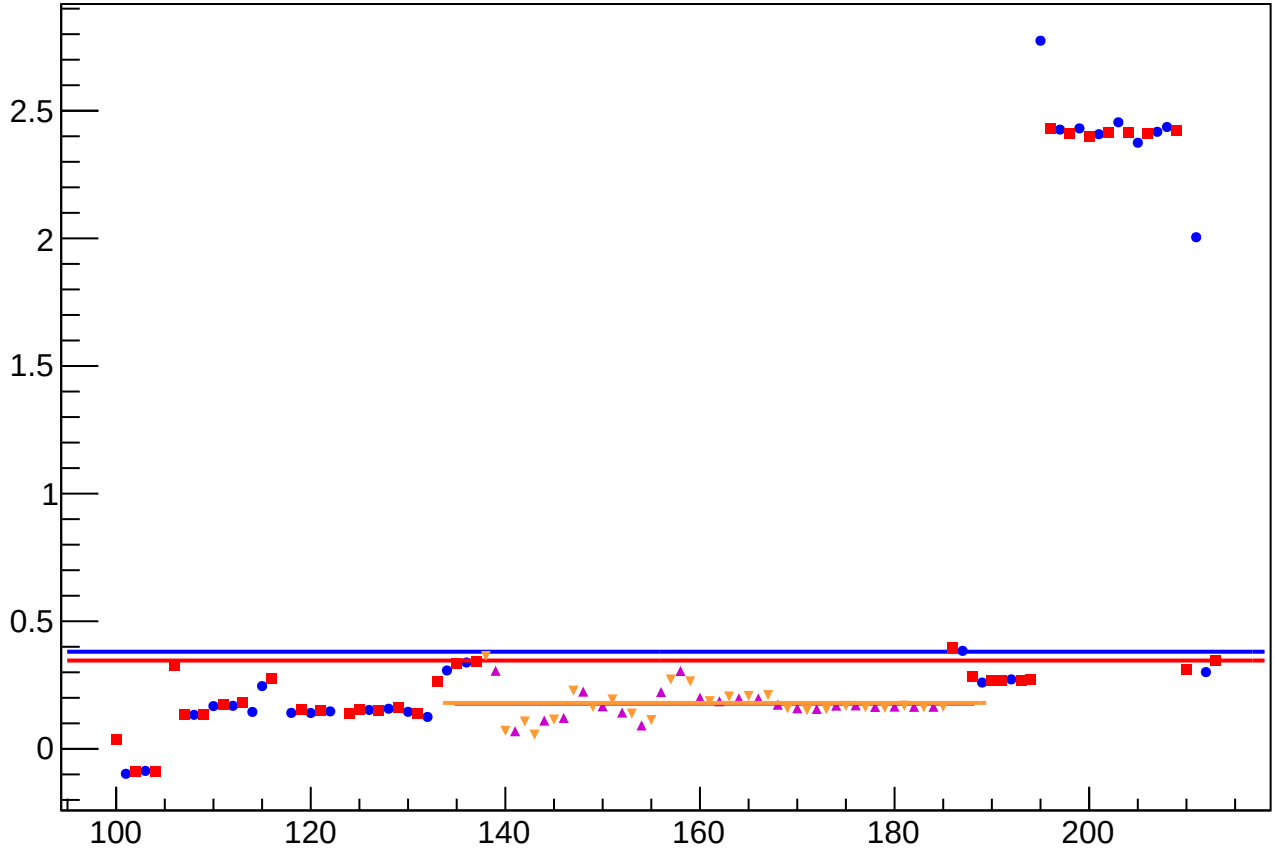
Right: 0.012+/-0.000 χ^2/NDF: 3139294.2/62

In: 0.012+/-0.000 χ^2/NDF:2634091.9/51

Out: 0.012+/-0.000 χ^2/NDF:1481974.9/58

All: 0.012+/-0.000 χ^2/NDF: 4116074.5/110

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.381+/-0.000 χ^2/NDF: 191150295369.6/28

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

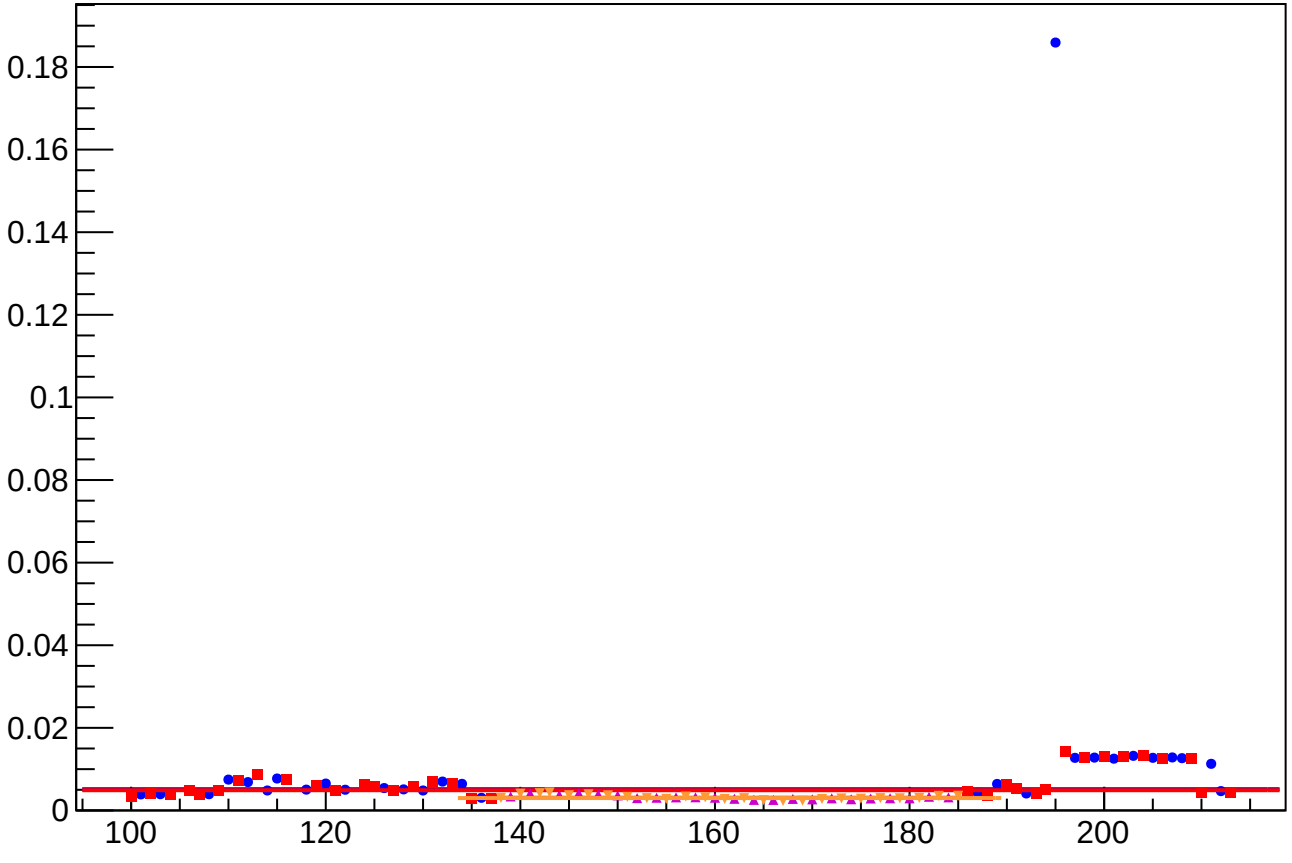
Right: 0.361+/-0.000 χ^2/NDF: 354839708152.9/62

In: 0.219+/-0.000 χ^2/NDF:210831743534.8/51

Out: 0.218+/-0.000 χ^2/NDF:182137554835.1/58

All: 0.218+/-0.000 χ^2/NDF: 392970568581.1

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 7776417.5/28

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

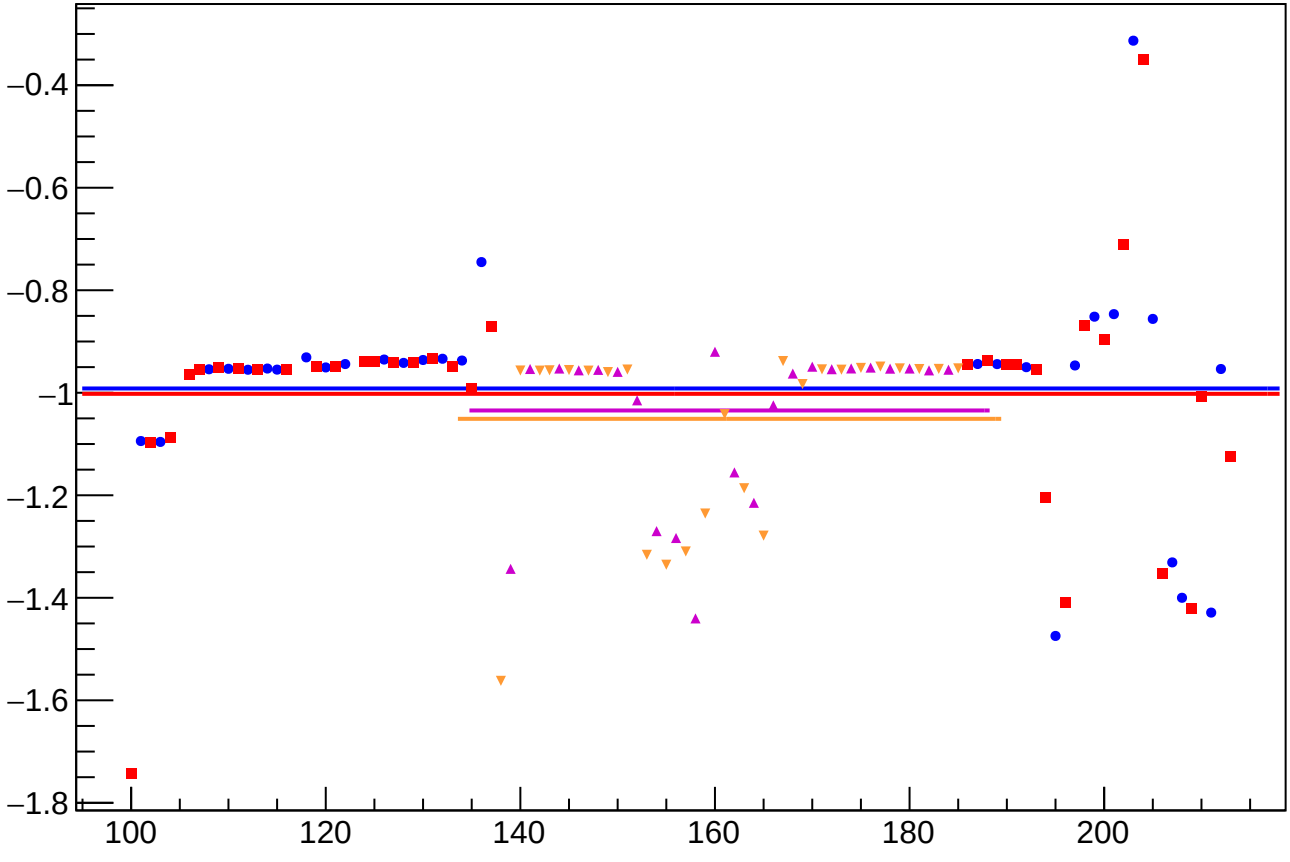
Right: 0.005+/-0.000 χ^2/NDF: 13752653.0/62

In: 0.003+/-0.000 χ^2/NDF:11477764.9/51

Out: 0.003+/-0.000 χ^2/NDF:10056625.9/58

All: 0.003+/-0.000 χ^2/NDF: 21543873.1/110

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.992+/-0.000 χ^2/NDF: 5820115417.1/28

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

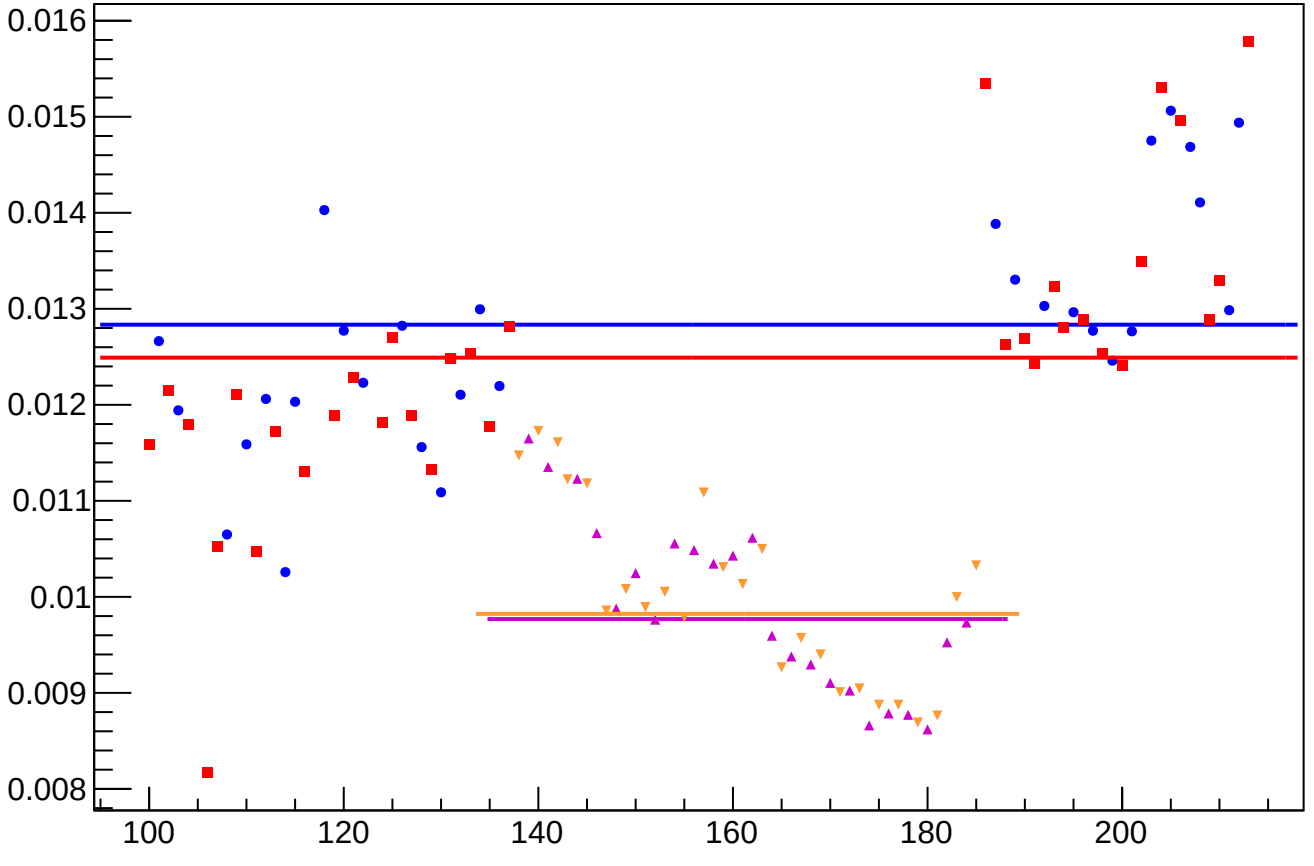
Right: -0.997+/-0.000 χ^2/NDF: 10903553890.1/62

In: -1.019+/-0.000 χ^2/NDF:9866068164.0/51

Out: -1.032+/-0.000 χ^2/NDF:10332077279.0/58

All: -1.026+/-0.000 χ^2/NDF: 20223625849.9/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 262242.4/28

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

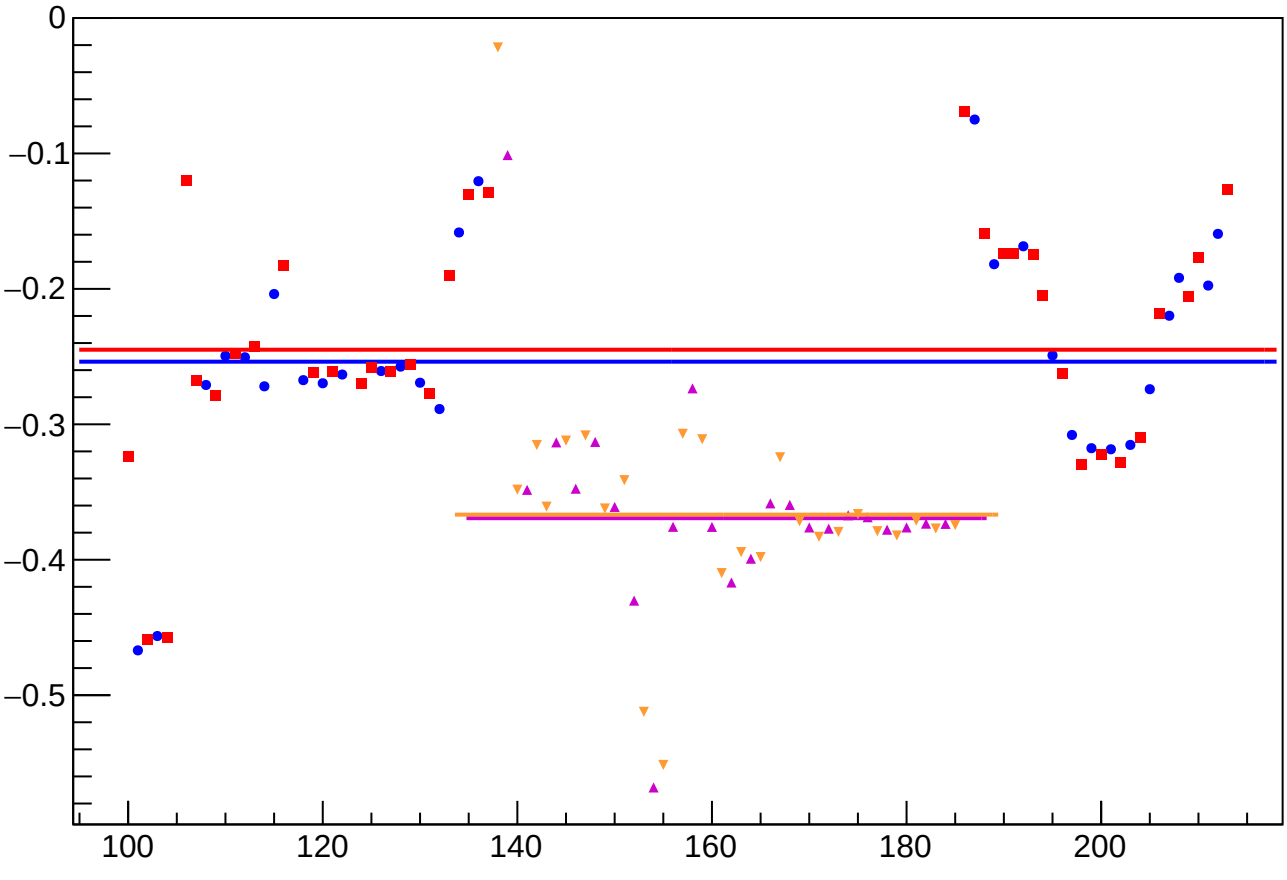
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.013+/-0.000 χ^2/NDF: 765371.3/62

In: 0.011+/-0.000 χ^2/NDF:1771301.1/51

Out: 0.011+/-0.000 χ^2/NDF:1816845.8/58

All: 0.011+/-0.000 χ^2/NDF: 3588339.3/110



Right In: -0.254+/-0.000 χ^2/NDF: 8829881150.9/28

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

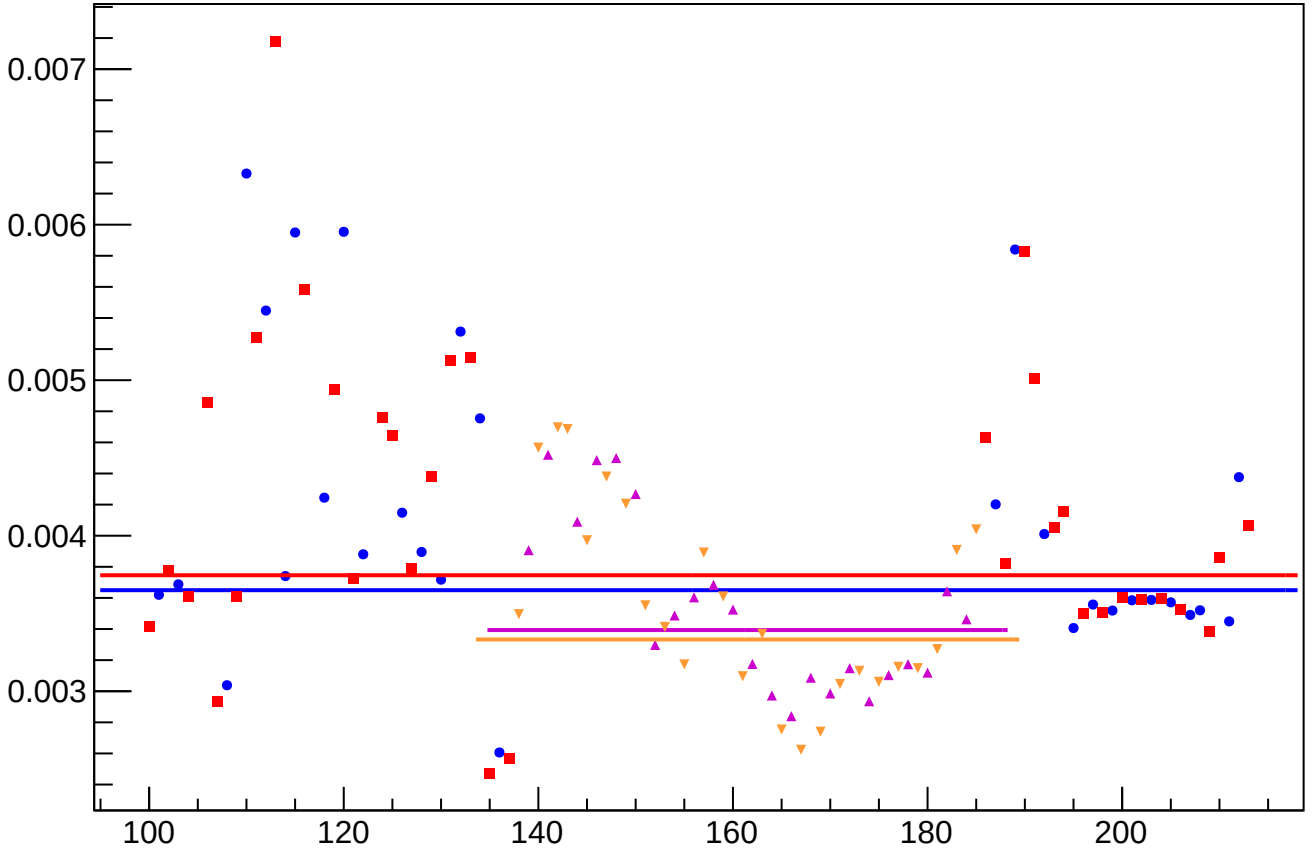
Right: -0.249+/-0.000 χ^2/NDF: 18427479374.0/62

In: -0.318+/-0.000 χ^2/NDF:25018410773.2/51

Out: -0.314+/-0.000 χ^2/NDF:31669625784.6/58

All: -0.316+/-0.000 χ^2/NDF: 56707649702.5/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 957032.1/28

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

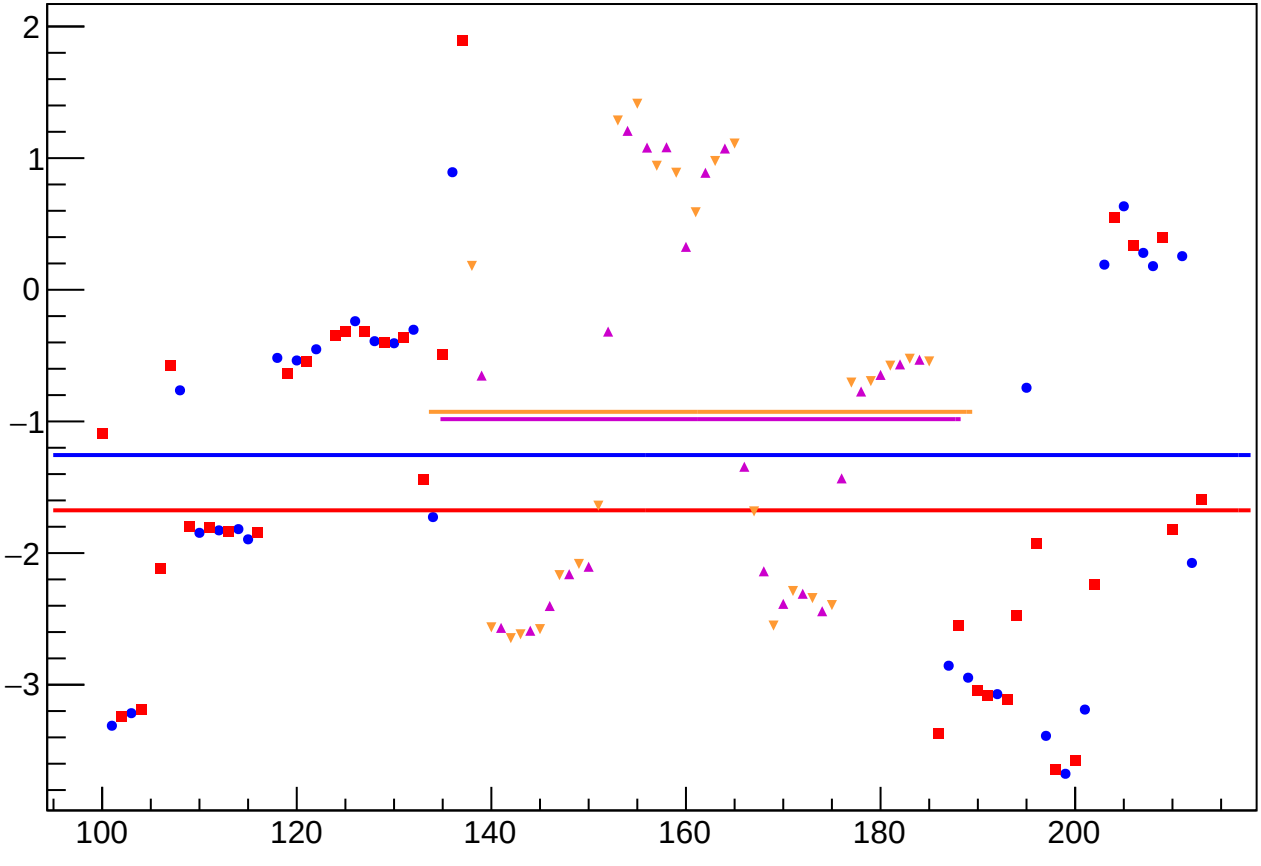
Right: 0.004+/-0.000 χ^2/NDF: 2090332.7/62

In: 0.004+/-0.000 χ^2/NDF:1675434.6/51

Out: 0.004+/-0.000 χ^2/NDF:2214156.8/58

All: 0.004+/-0.000 χ^2/NDF: 3889636.6/110

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.255+/-0.000 χ^2/NDF: 6983357676.2/28

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

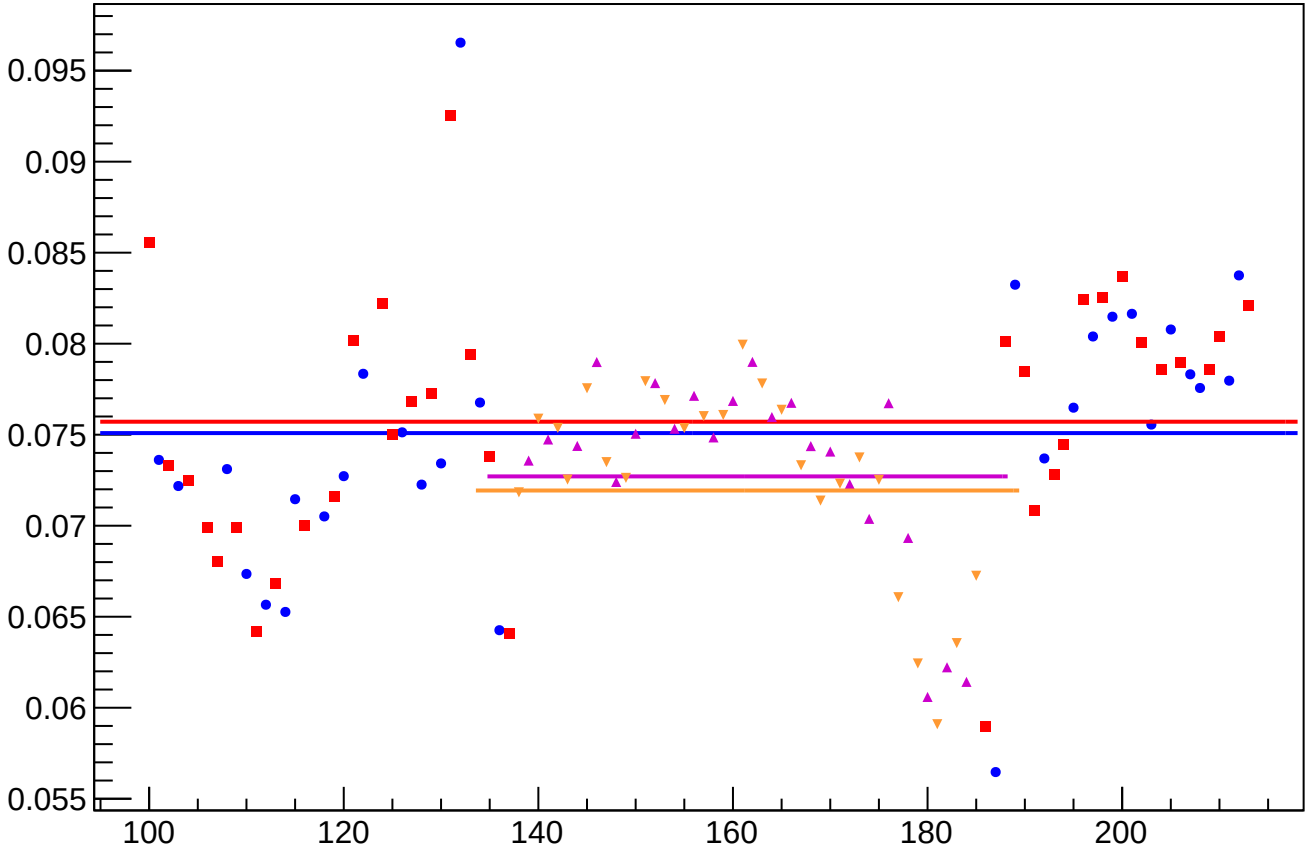
Right: -1.473+/-0.000 χ^2/NDF: 13250359334.0/62

In: -1.111+/-0.000 χ^2/NDF:13021028009.2/51

Out: -1.279+/-0.000 χ^2/NDF:14204682177.2/58

All: -1.198+/-0.000 χ^2/NDF: 27319106075.8/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.075+/-0.000 χ^2/NDF: 245428.4/28

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

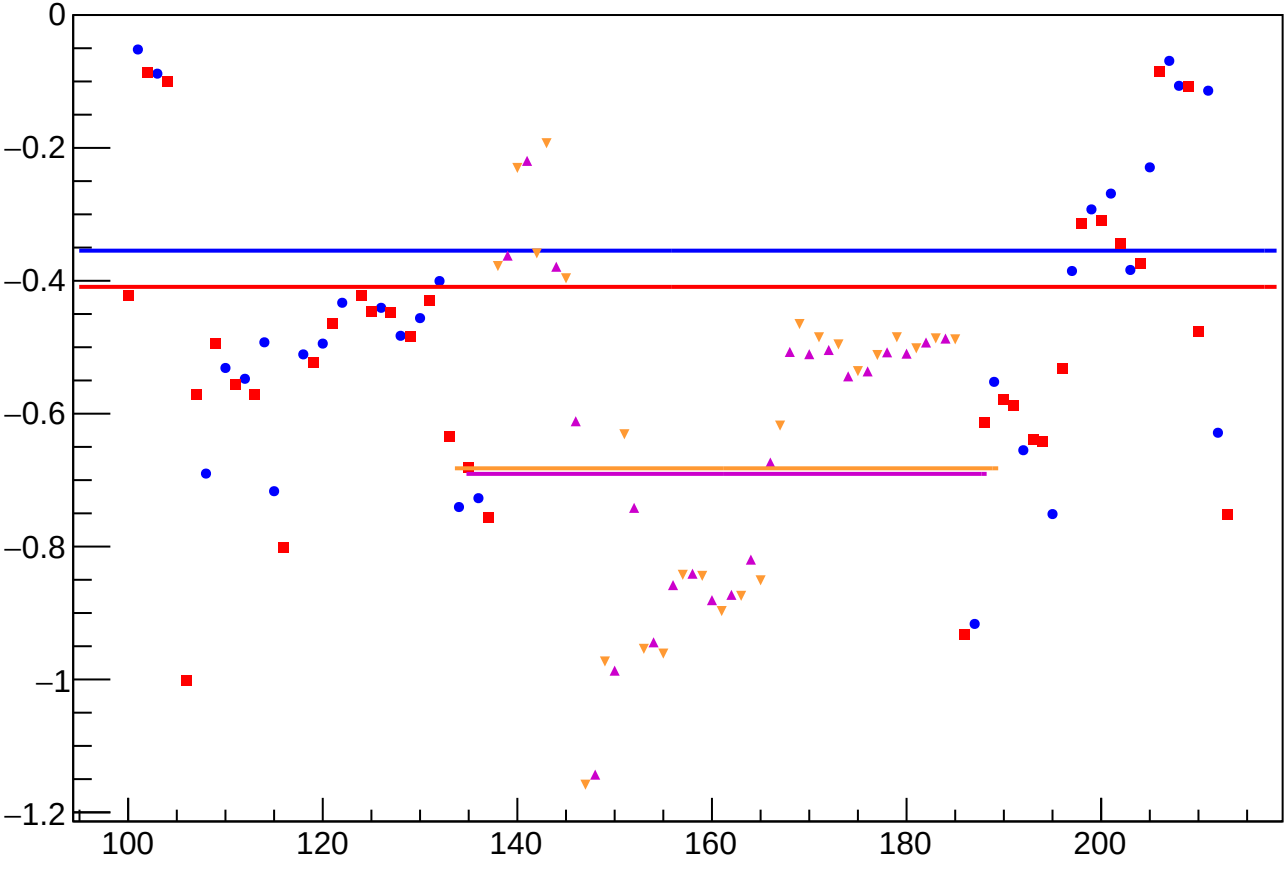
Right: 0.075+/-0.000 χ^2/NDF: 511482.6/62

In: 0.074+/-0.000 χ^2/NDF:460508.0/51

Out: 0.074+/-0.000 χ^2/NDF:549594.1/58

All: 0.074+/-0.000 χ^2/NDF: 1010196.3/110

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.355+/-0.000 χ^2/NDF: 13562681696.5/28

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

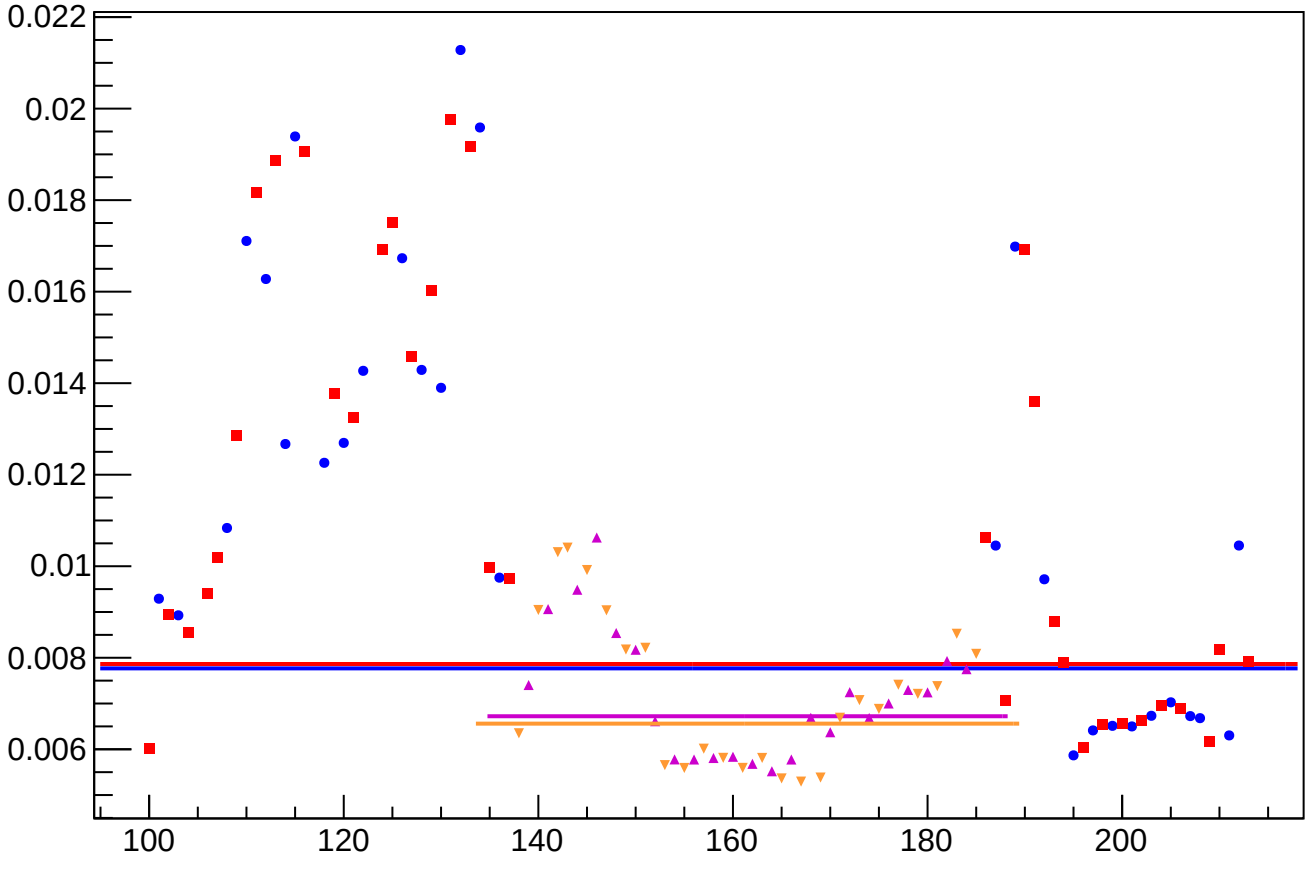
Right: -0.383+/-0.000 χ^2/NDF: 26499497053.1/62

In: -0.557+/-0.000 χ^2/NDF:46964517720.1/51

Out: -0.577+/-0.000 χ^2/NDF:46093807465.7/58

All: -0.568+/-0.000 χ^2/NDF: 93184015483.1/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3181395.9/28

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

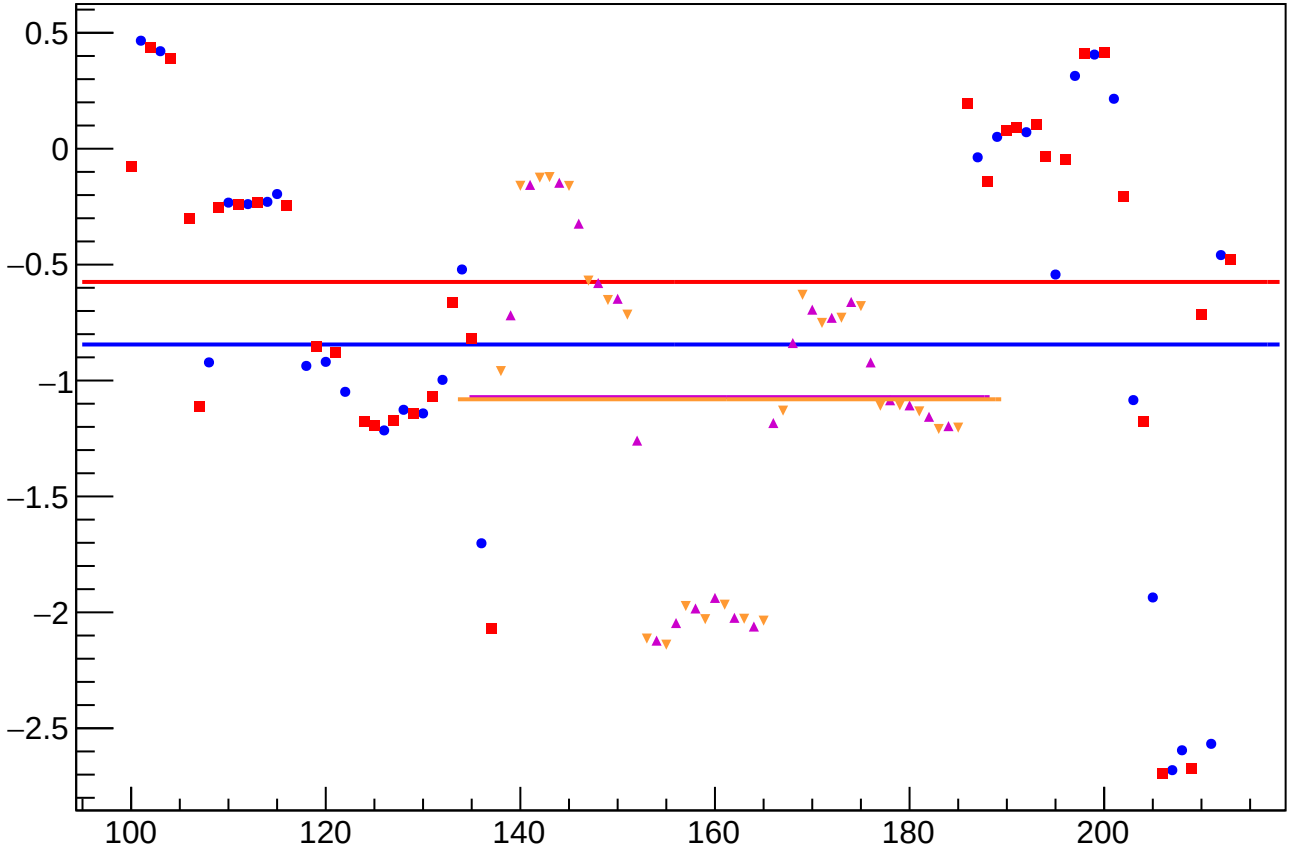
Right: 0.008+/-0.000 χ^2/NDF: 6440841.4/62

In: 0.007+/-0.000 χ^2/NDF:4462682.4/51

Out: 0.007+/-0.000 χ^2/NDF:5194509.4/58

All: 0.007+/-0.000 χ^2/NDF: 9660796.9/110

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.845+/-0.000 χ^2/NDF: 1964505962.0/28

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

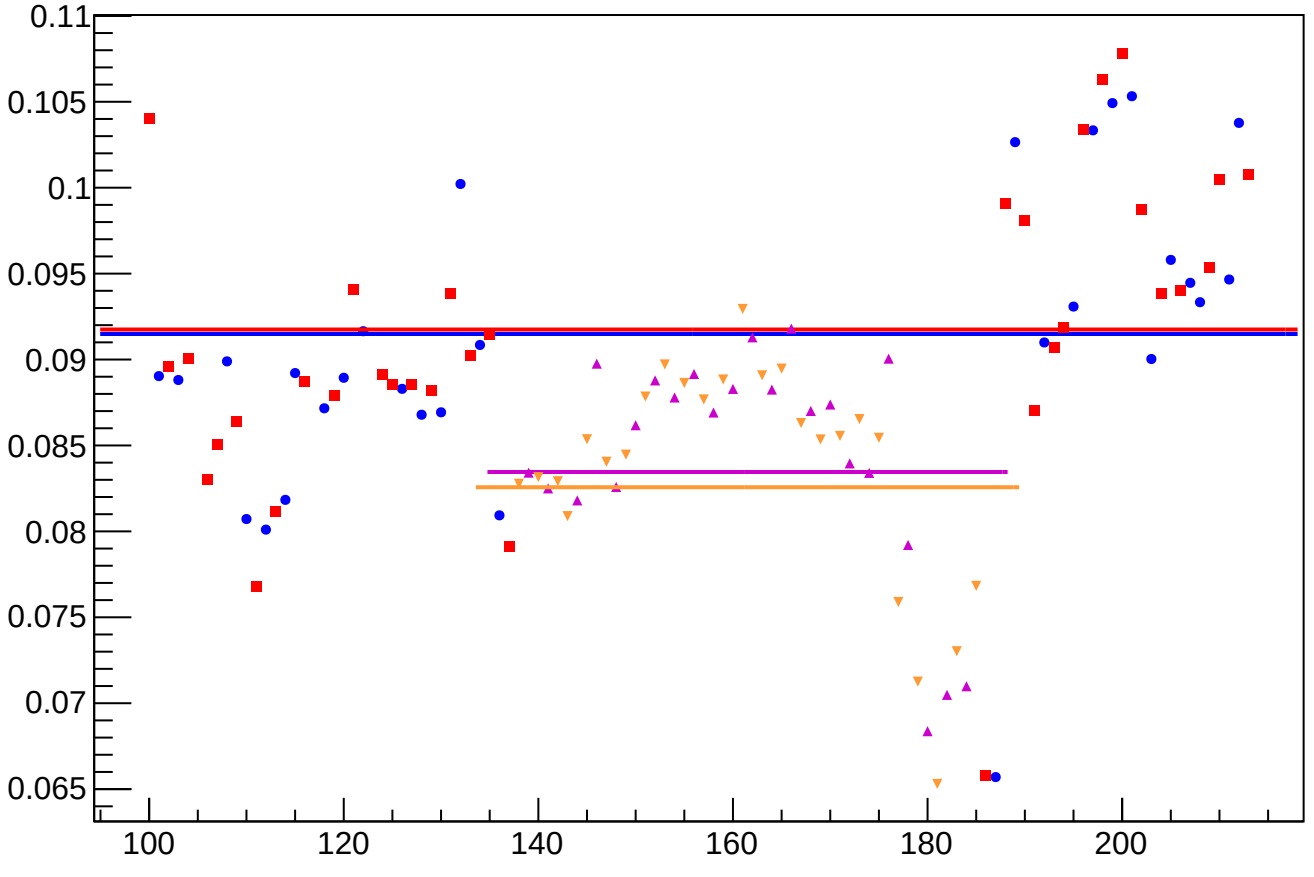
Right: -0.704+/-0.000 χ^2/NDF: 3703298074.3/62

In: -0.971+/-0.000 χ^2/NDF:2999300679.6/51

Out: -0.856+/-0.000 χ^2/NDF:3131594923.7/58

All: -0.912+/-0.000 χ^2/NDF: 6162762804.0/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.091+/-0.000 χ^2/NDF: 264962.0/28

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

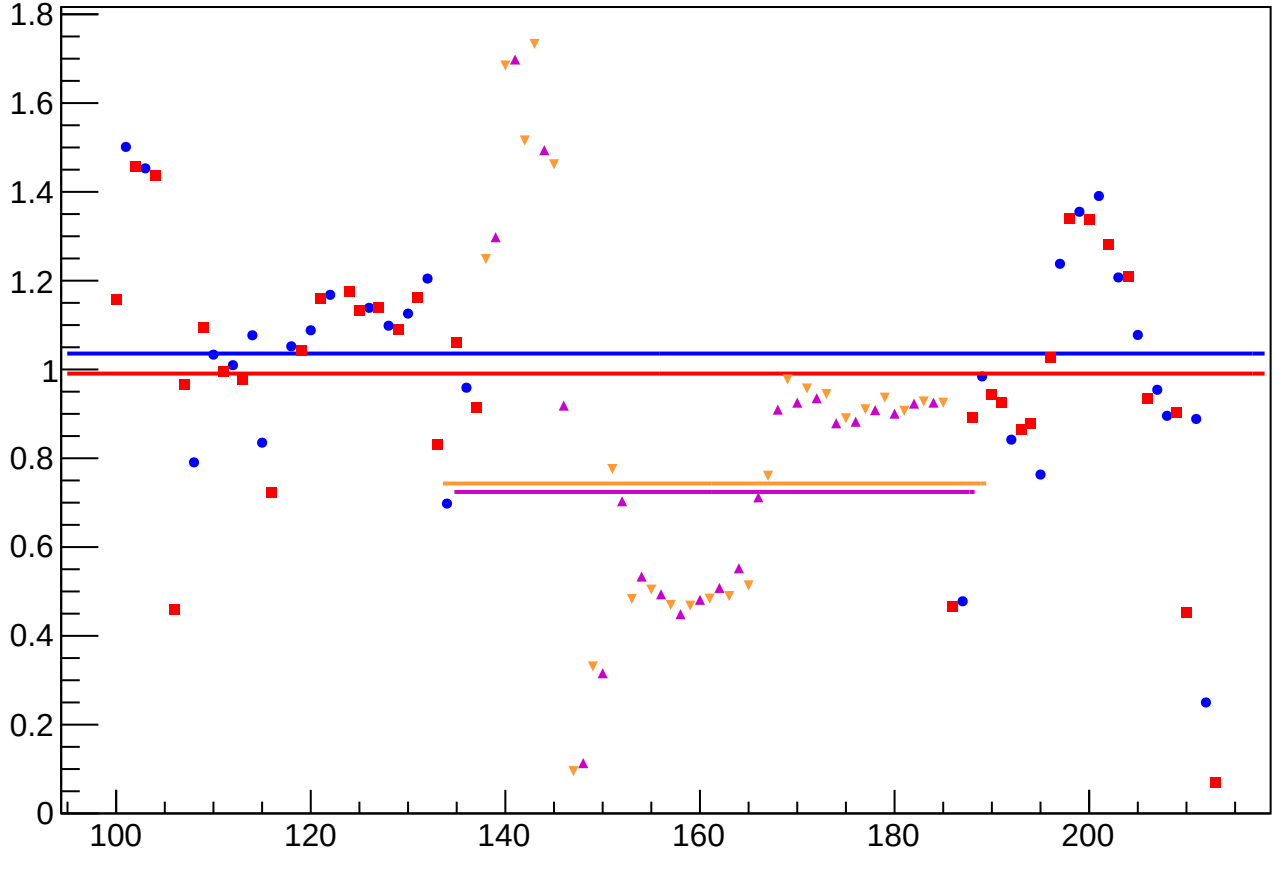
Right: 0.092+/-0.000 χ^2/NDF: 625511.9/62

In: 0.087+/-0.000 χ^2/NDF:651391.5/51

Out: 0.087+/-0.000 χ^2/NDF:860989.6/58

All: 0.087+/-0.000 χ^2/NDF: 1513029.5/110

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.036+/-0.000 χ^2/NDF: 8266889574.9/28

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

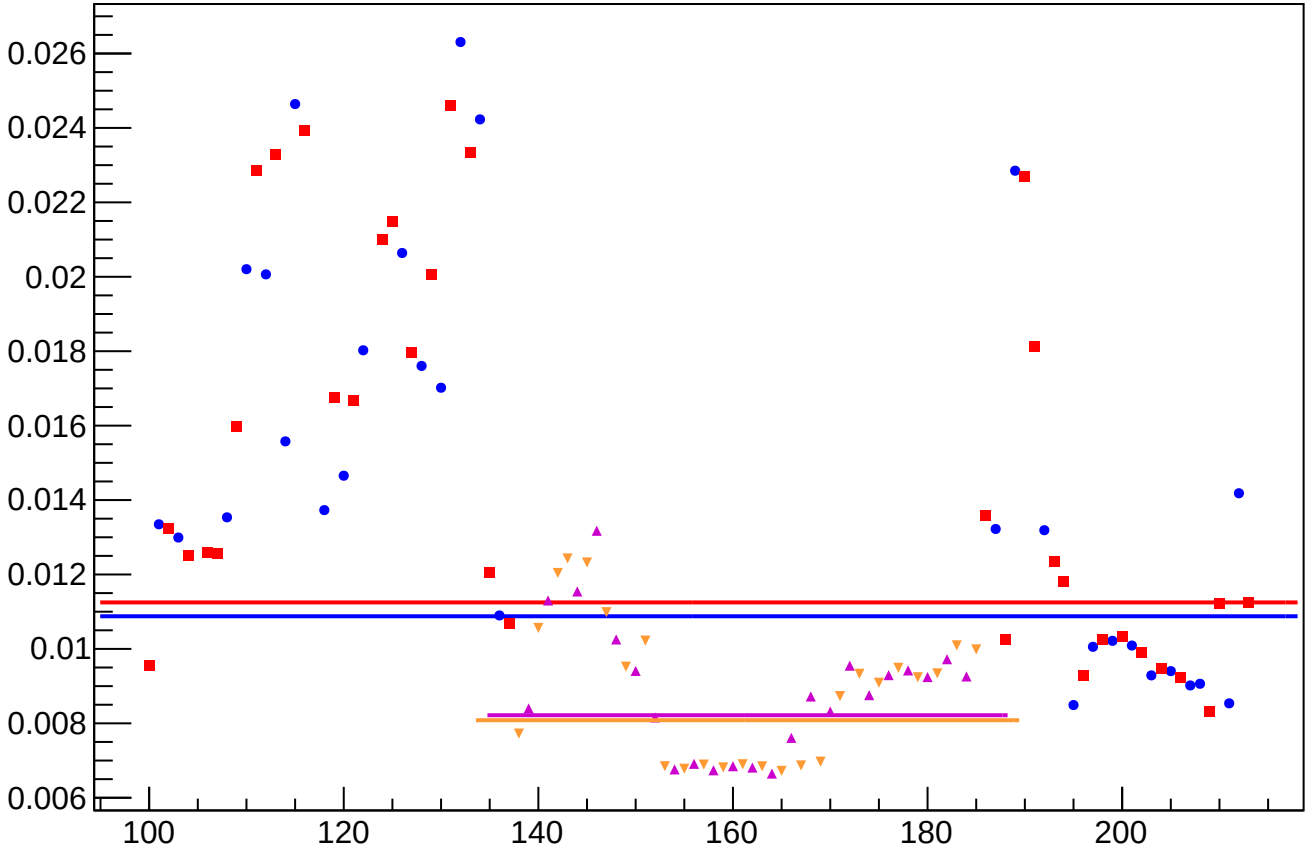
Right: 1.013+/-0.000 χ^2/NDF: 21801182268.3/62

In: 0.830+/-0.000 χ^2/NDF:42075479069.2/51

Out: 0.823+/-0.000 χ^2/NDF:51318564503.2/58

All: 0.826+/-0.000 χ^2/NDF: 93403928457.1/1

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2394840.0/28

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

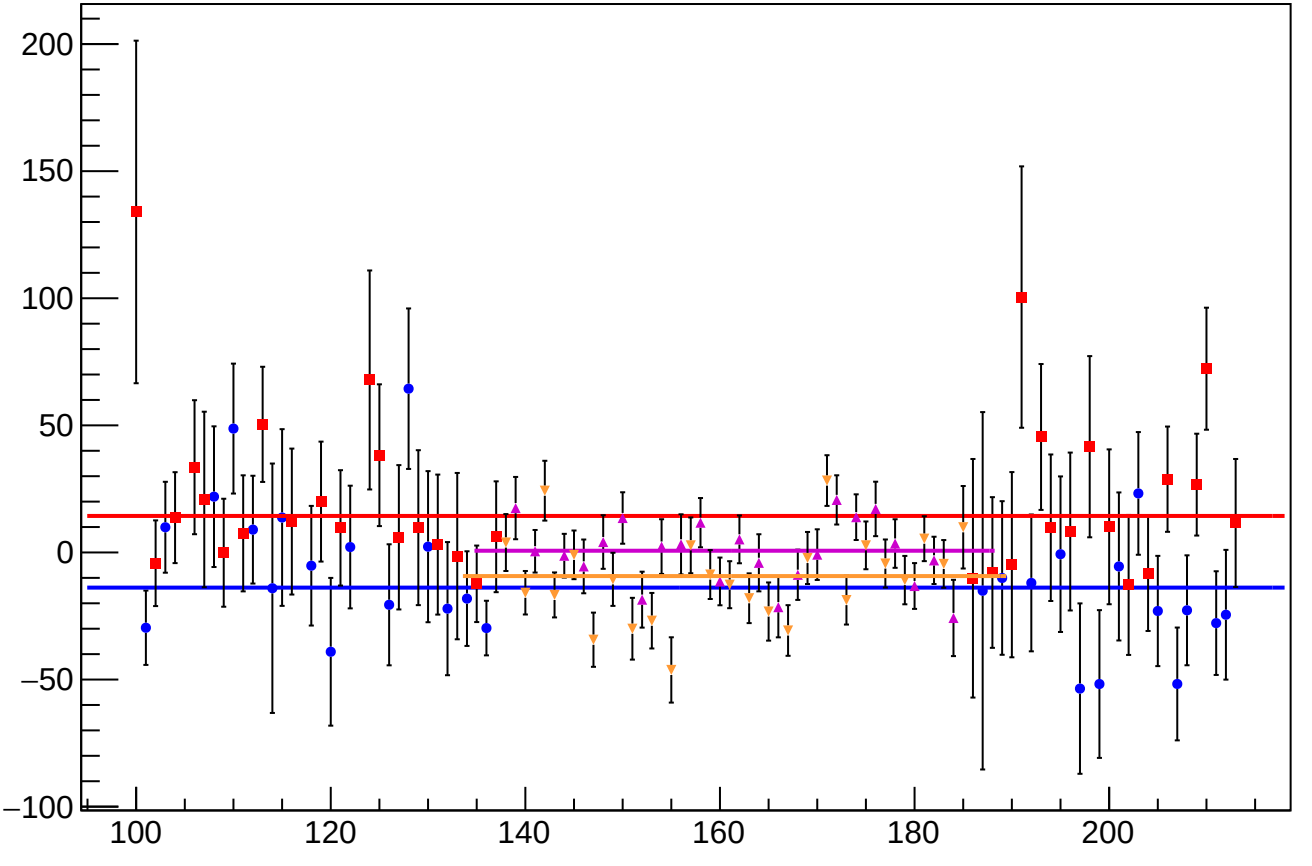
Right: 0.011+/-0.000 χ^2/NDF: 4869465.9/62

In: 0.009+/-0.000 χ^2/NDF:4709634.8/51

Out: 0.009+/-0.000 χ^2/NDF:5607501.8/58

All: 0.009+/-0.000 χ^2/NDF: 10317288.7/110

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -13.832+/-4.277 χ^2/NDF: 32.2/28

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

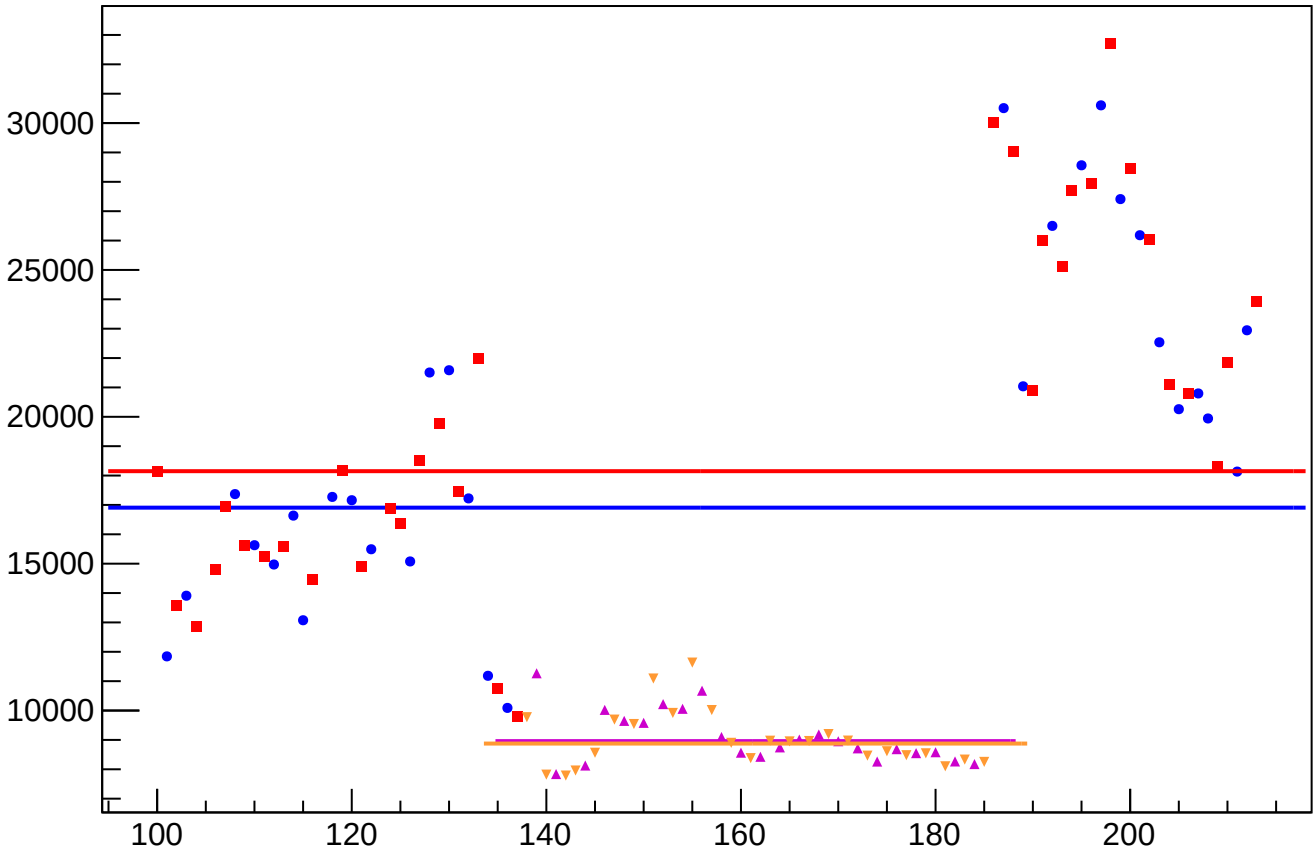
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: -0.016+/-3.054 χ^2/NDF: 82.1/62

In: -2.152+/-1.888 χ^2/NDF:70.9/51

Out: -5.080+/-1.841 χ^2/NDF:113.9/58

All: -3.653+/-1.318 χ^2/NDF: 186.1/110



Right In: 16907.170+/-3.024 χ^2/NDF: 3280366.7/28

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 18149.026+/-3.085 χ^2/NDF: 3276265.7/33

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

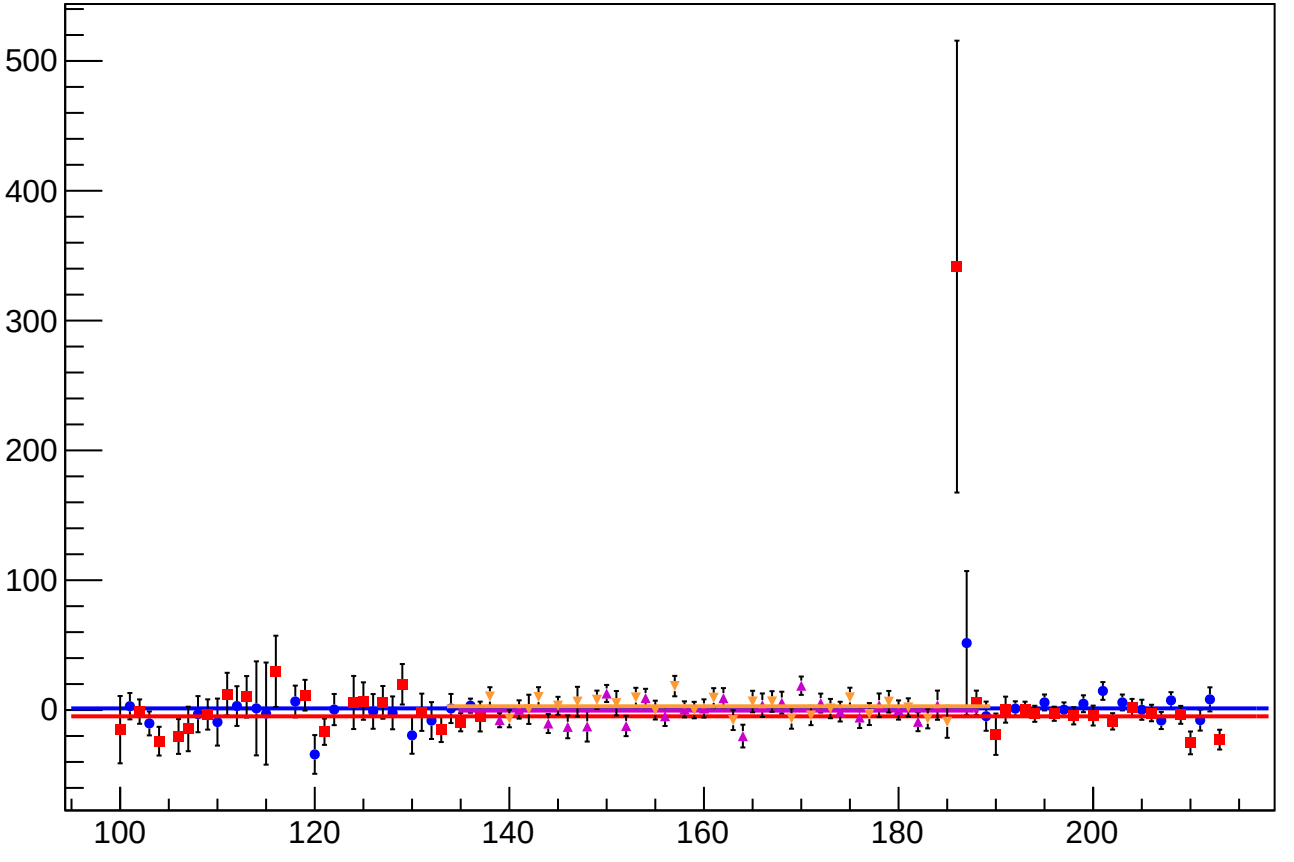
Right: 17515.648+/-2.160 χ^2/NDF: 6639262.3/62

In: 10507.822+/-1.335 χ^2/NDF:9144238.6/51

Out: 10526.505+/-1.302 χ^2/NDF:11048992.9/58

All: 10517.399+/-0.932 χ^2/NDF: 20193331.9

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 1.259+/-1.624 χ^2/NDF: 22.0/28

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

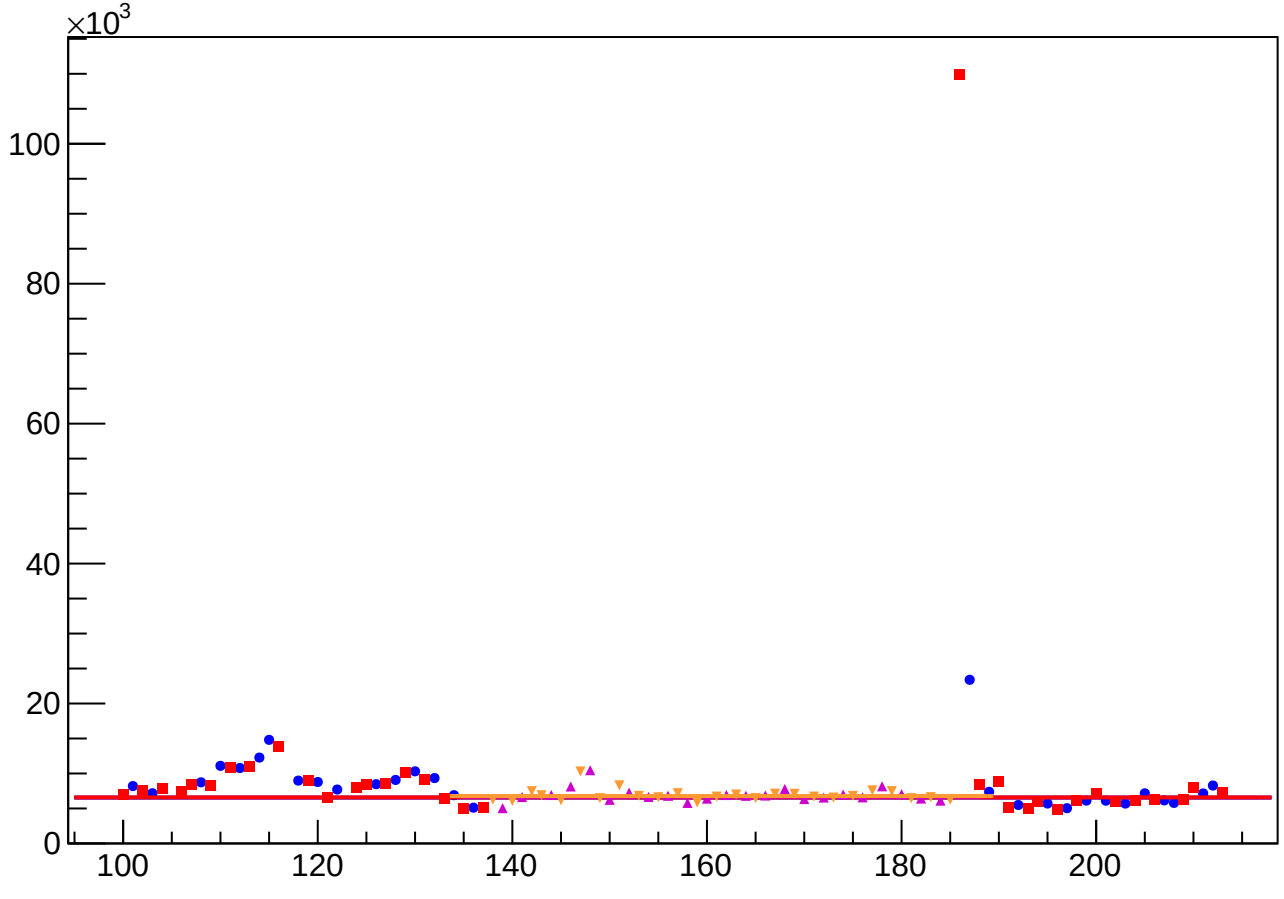
Right: -1.897+/-1.130 χ^2/NDF: 66.9/62

In: 0.379+/-1.133 χ^2/NDF:55.3/51

Out: -0.942+/-1.106 χ^2/NDF:69.3/58

All: -0.297+/-0.791 χ^2/NDF: 125.4/110

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6552.712+/-1.148 χ^2/NDF: 1786109.8/28

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

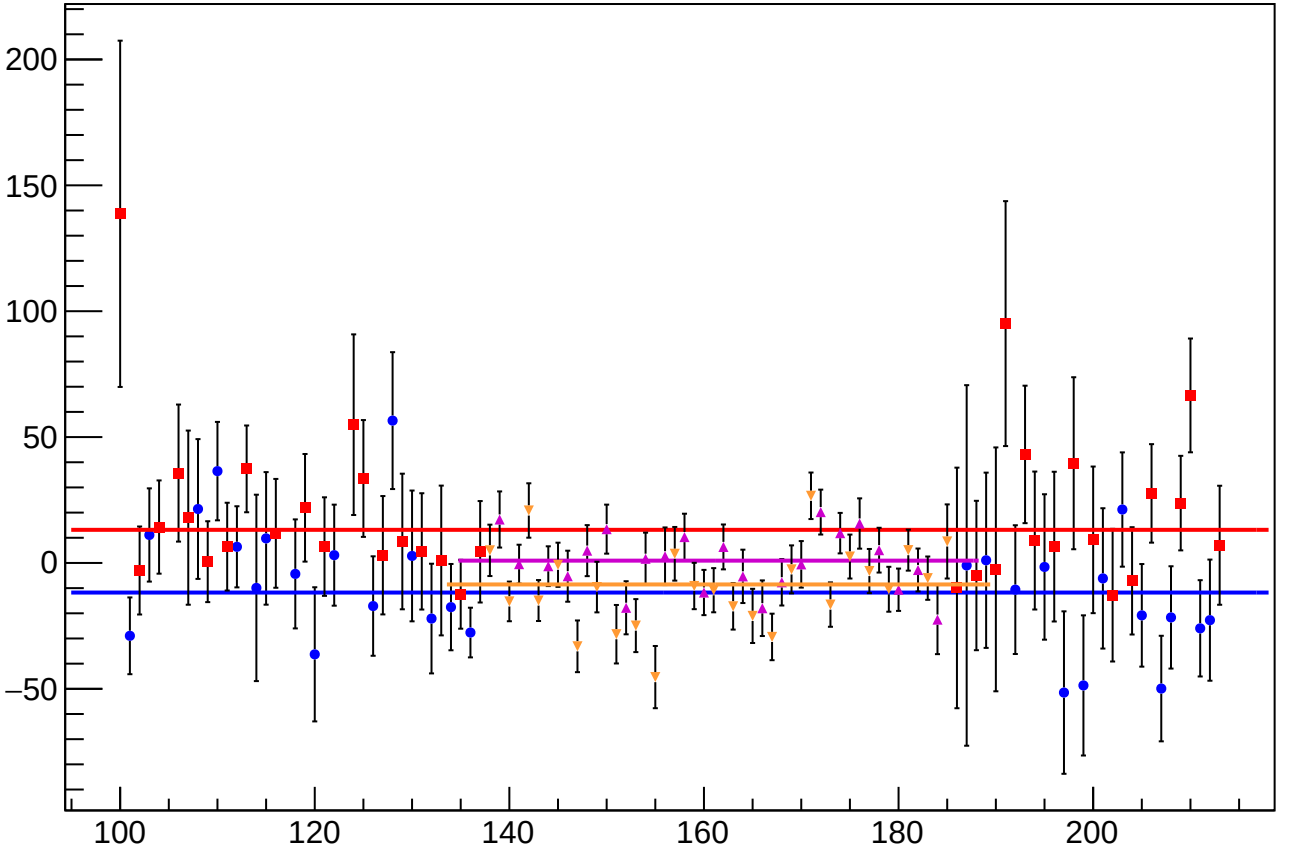
Right: 6564.949+/-0.799 χ^2/NDF: 4188358.9/62

In: 6622.945+/-0.801 χ^2/NDF:2413675.1/51

Out: 6677.840+/-0.782 χ^2/NDF:2818607.0/58

All: 6651.066+/-0.559 χ^2/NDF: 5234687.3/11

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -11.757+/-3.918 χ^2/NDF: 33.6/28

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

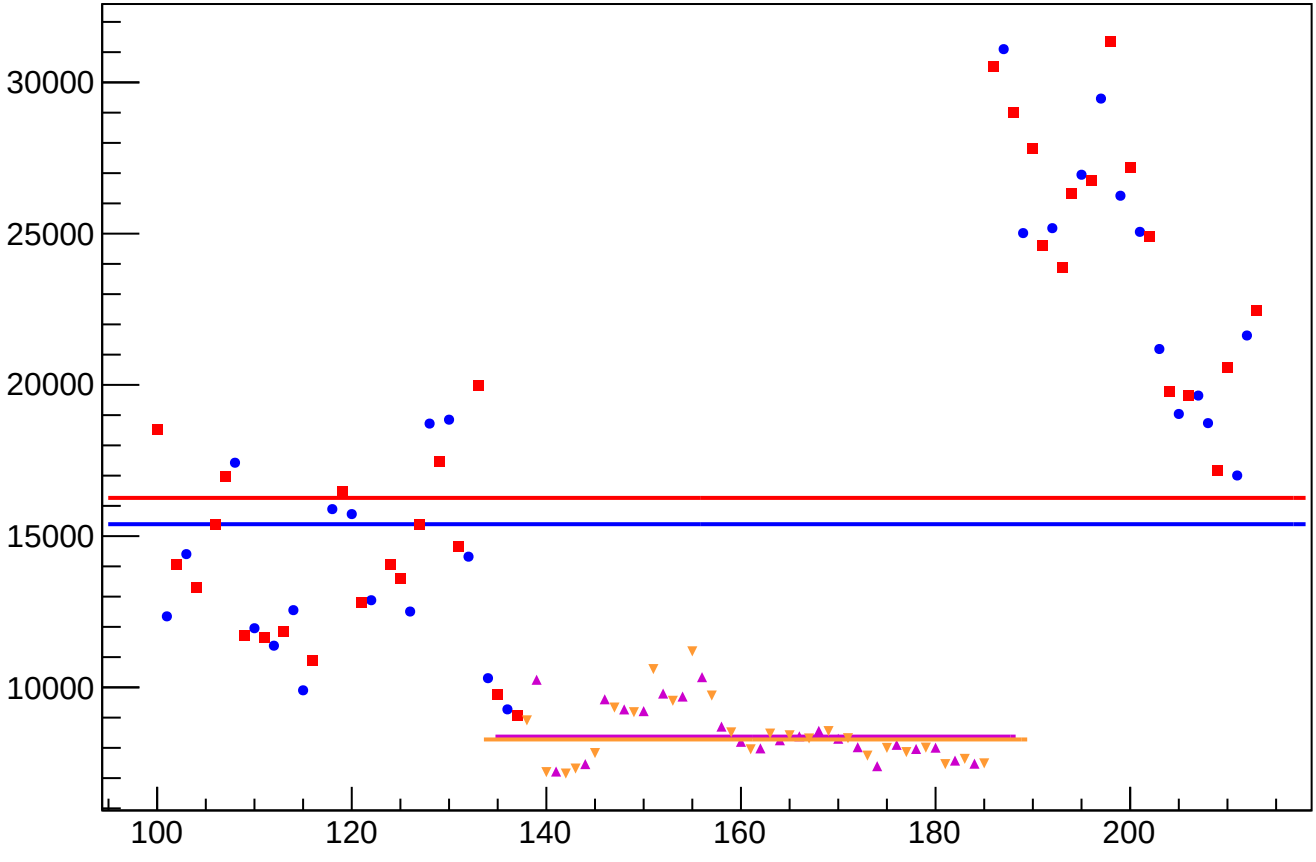
Right: 0.569+/-2.785 χ^2/NDF: 81.7/62

In: -1.636+/-1.759 χ^2/NDF:71.0/51

Out: -4.487+/-1.711 χ^2/NDF:114.4/58

All: -3.102+/-1.226 χ^2/NDF: 186.8/110

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 15394.477+/-2.770 χ^2/NDF: 3739028.6/28

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 16263.863+/-2.800 χ^2/NDF: 4104163.6/33

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

Left: 8323.298+/-0.966 χ^2/NDF: 850375.1/47

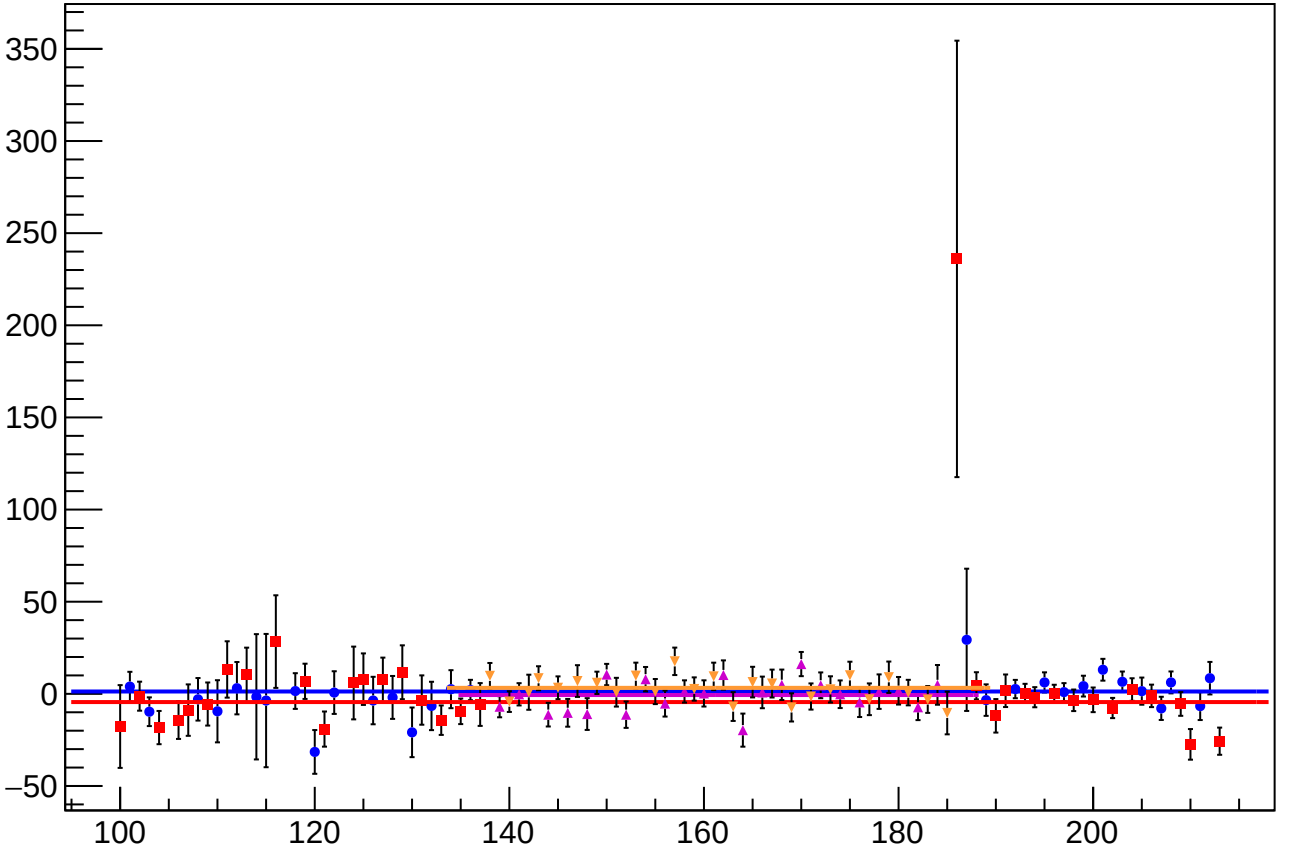
Right: 15824.608+/-1.969 χ^2/NDF: 7891916.1/62

In: 9788.227+/-1.244 χ^2/NDF:9261329.9/51

Out: 9768.398+/-1.210 χ^2/NDF:11177735.9/58

All: 9778.034+/-0.867 χ^2/NDF: 20439196.4/

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.277+/-1.463 χ^2/NDF: 25.1/28

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

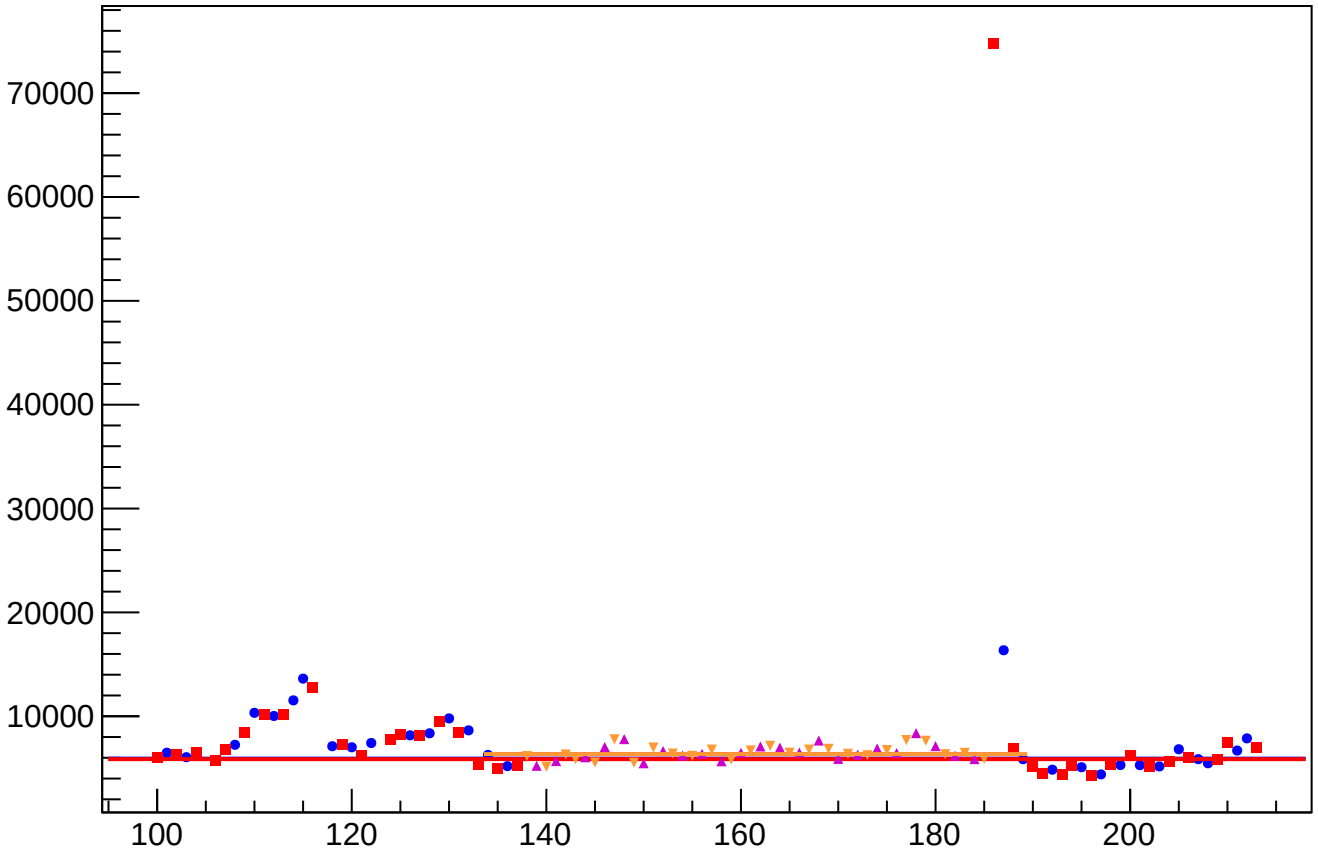
Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

Right: -1.716+/-1.012 χ^2/NDF: 76.8/62

In: 0.339+/-1.047 χ^2/NDF:56.7/51

Out: -0.753+/-1.010 χ^2/NDF:75.9/58

All: -0.227+/-0.727 χ^2/NDF: 133.1/110



Right In: 5917.344+/-1.035 χ^2/NDF: 1726691.8/28

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5871.402+/-0.991 χ^2/NDF: 2428752.4/33

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

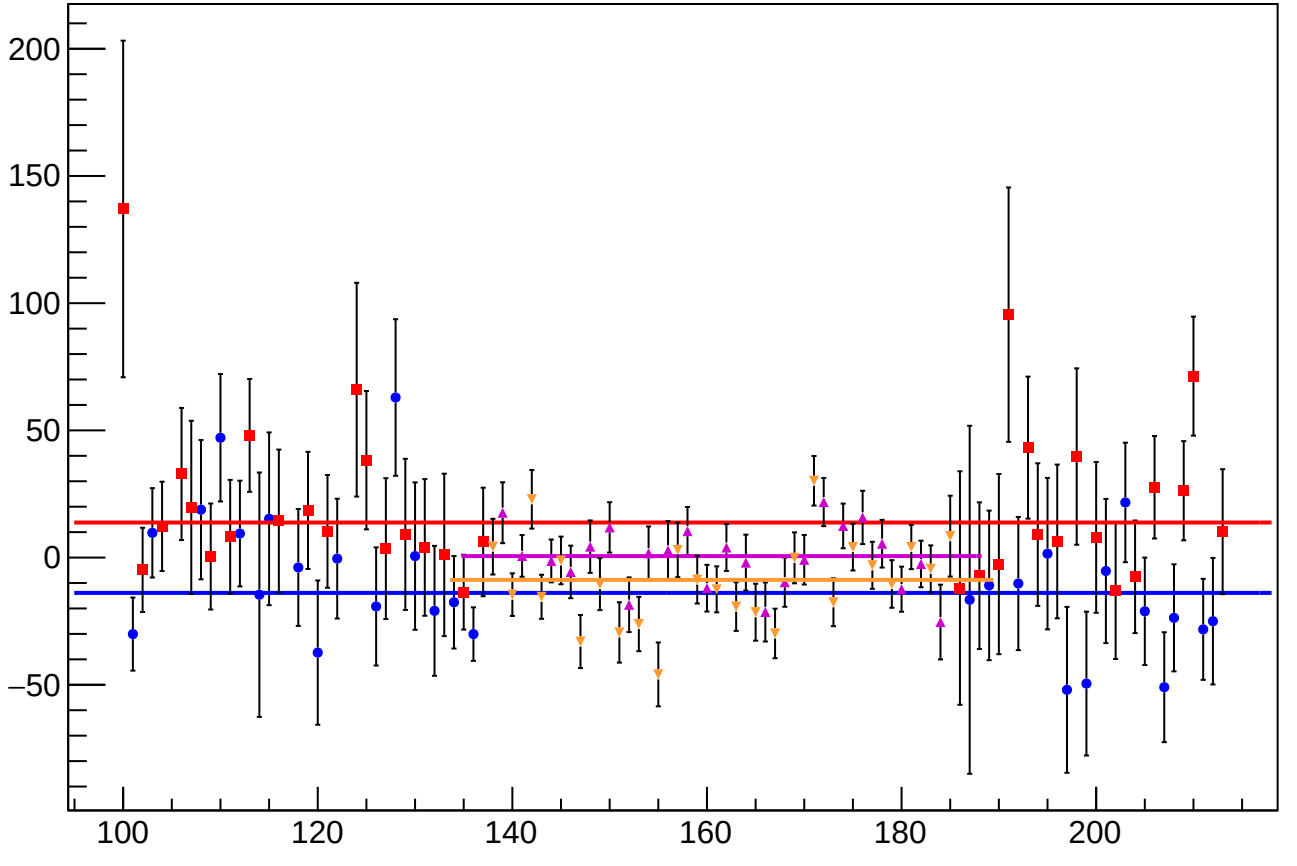
Right: 5893.378+/-0.716 χ^2/NDF: 4156472.5/62

In: 6133.269+/-0.740 χ^2/NDF:2289814.6/51

Out: 6105.008+/-0.714 χ^2/NDF:2958553.6/58

All: 6118.628+/-0.514 χ^2/NDF: 5249122.7/11

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -13.881+/-4.177 χ^2/NDF: 32.3/28

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

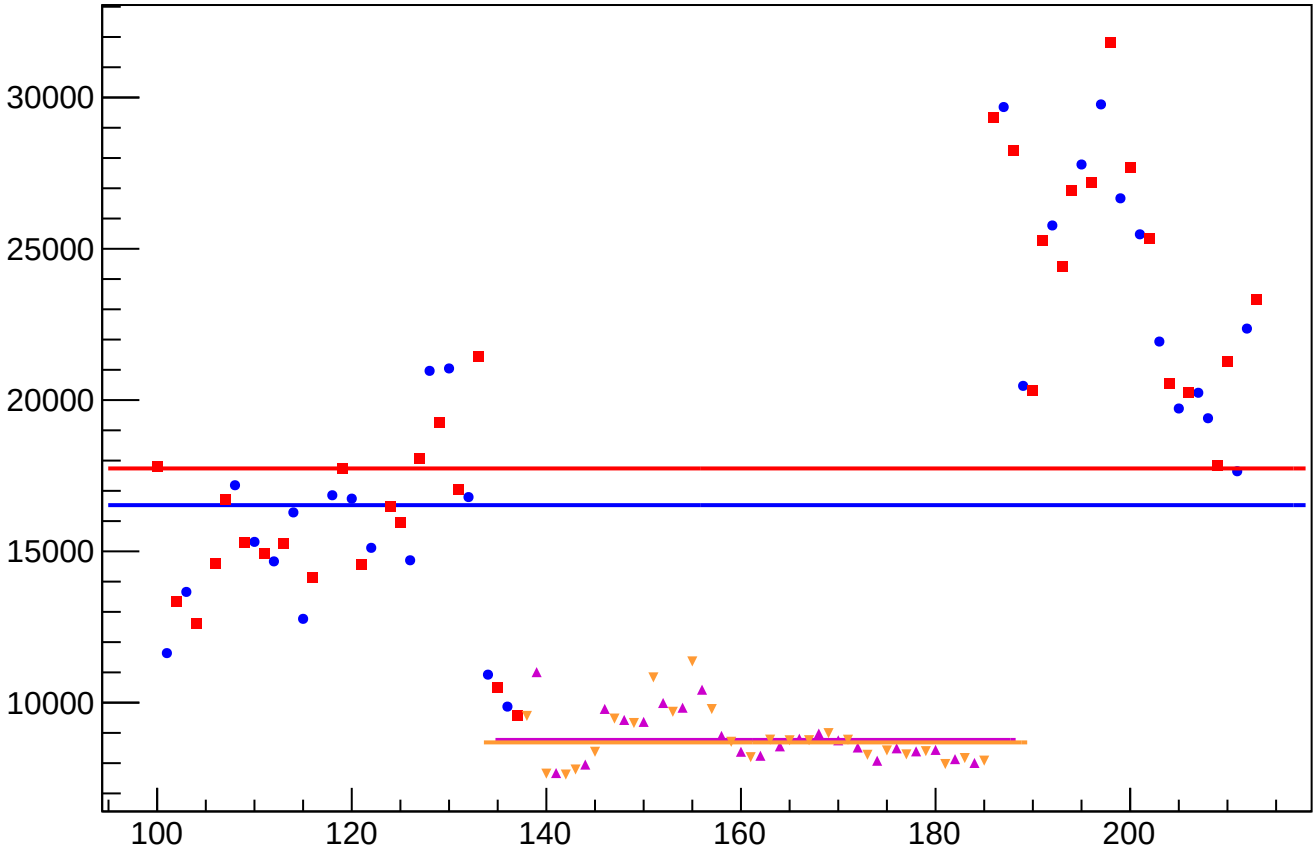
Right: -0.329+/-2.983 χ^2/NDF: 82.8/62

In: -2.248+/-1.847 χ^2/NDF:71.5/51

Out: -4.741+/-1.801 χ^2/NDF:114.8/58

All: -3.526+/-1.289 χ^2/NDF: 187.2/110

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 16527.515+/-2.954 χ^2/NDF: 3232074.1/28

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

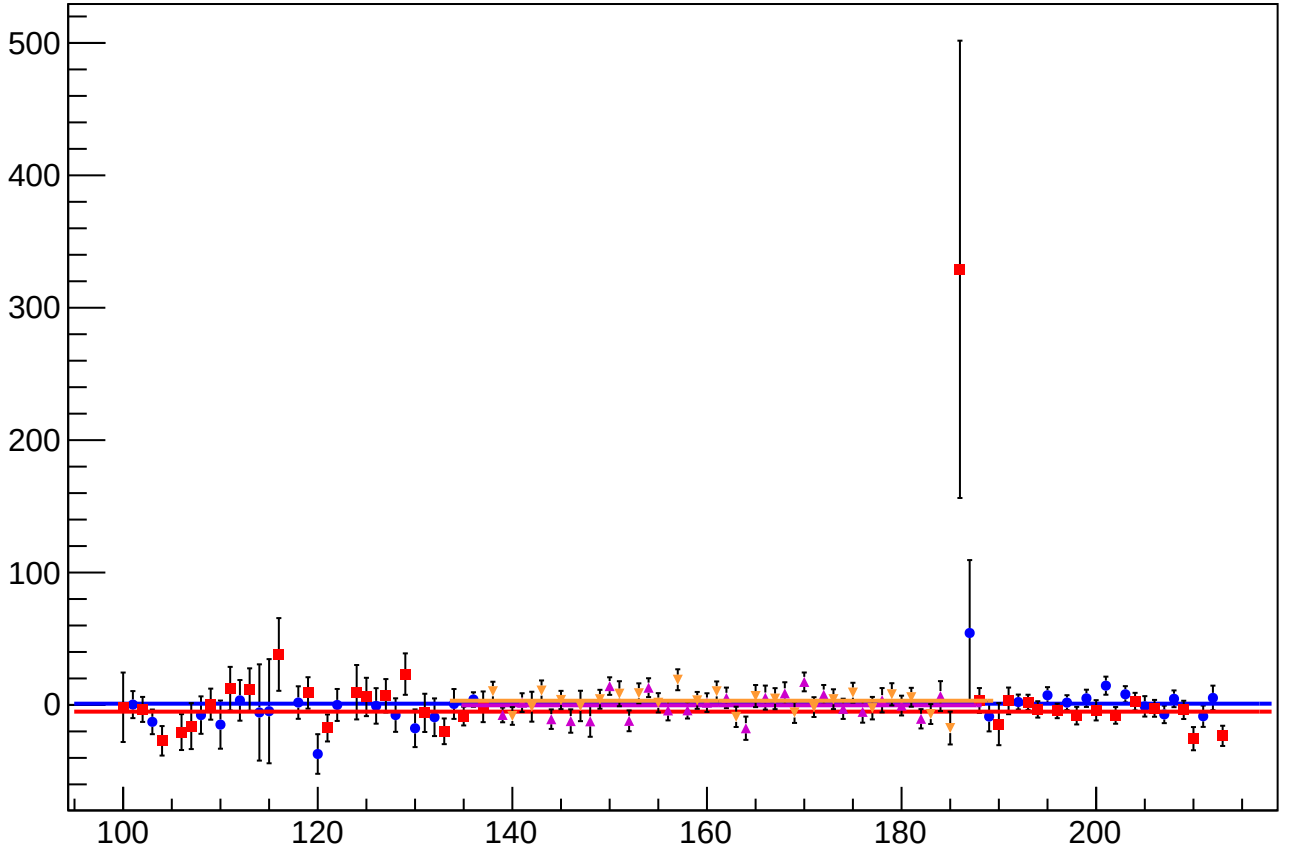
Right: 17121.878+/-2.109 χ^2/NDF: 6538730.1/62

In: 10284.584+/-1.306 χ^2/NDF:9079903.4/51

Out: 10302.758+/-1.273 χ^2/NDF:10980176.2/58

All: 10293.901+/-0.912 χ^2/NDF: 20060178.9

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.950+/-1.628 χ^2/NDF: 24.9/28

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

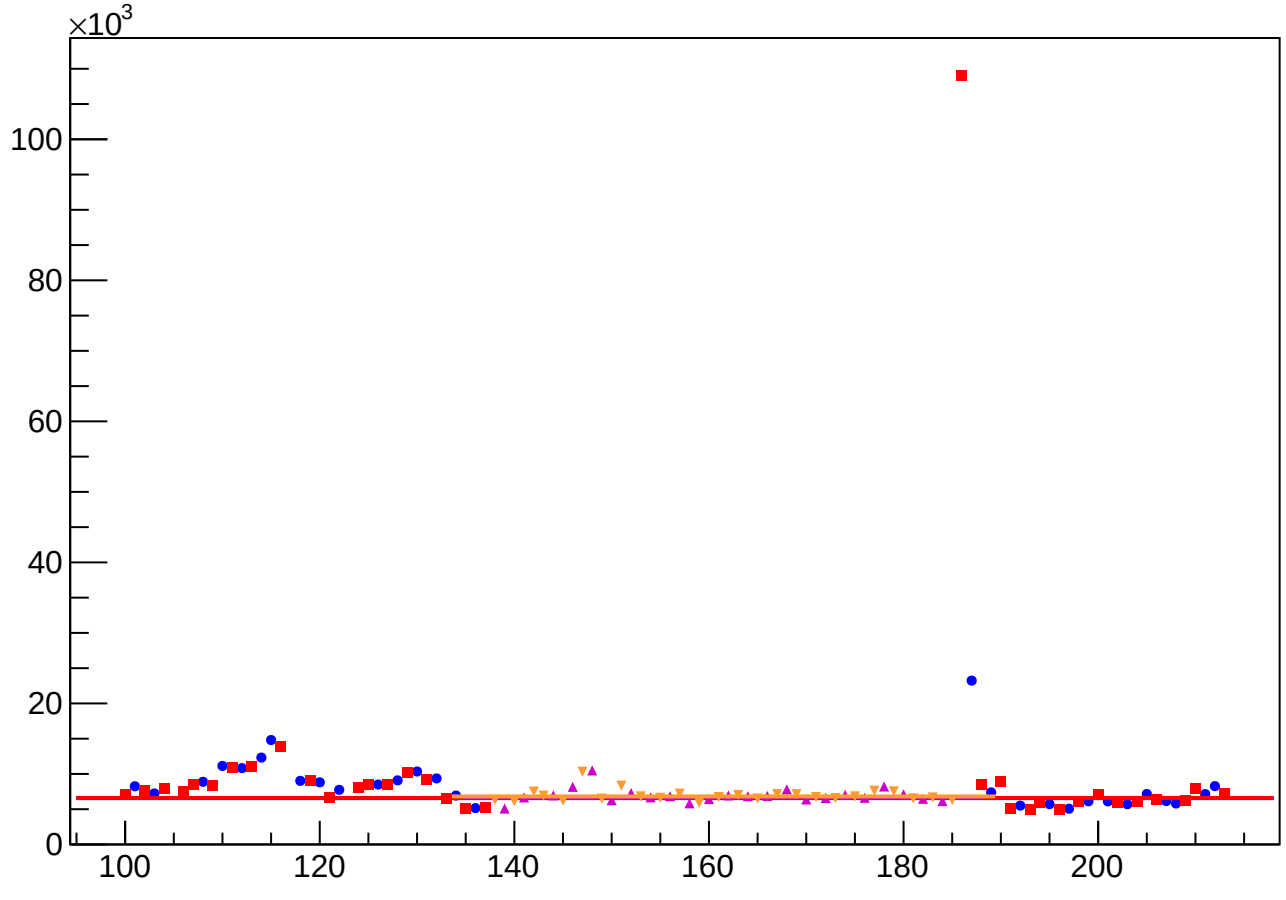
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -2.152+/-1.133 χ^2/NDF: 73.6/62

In: 0.326+/-1.138 χ^2/NDF:59.4/51

Out: -0.904+/-1.110 χ^2/NDF:77.0/58

All: -0.304+/-0.795 χ^2/NDF: 137.1/110



Right In: 6572.111+/-1.151 χ^2/NDF: 1781831.0/28

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

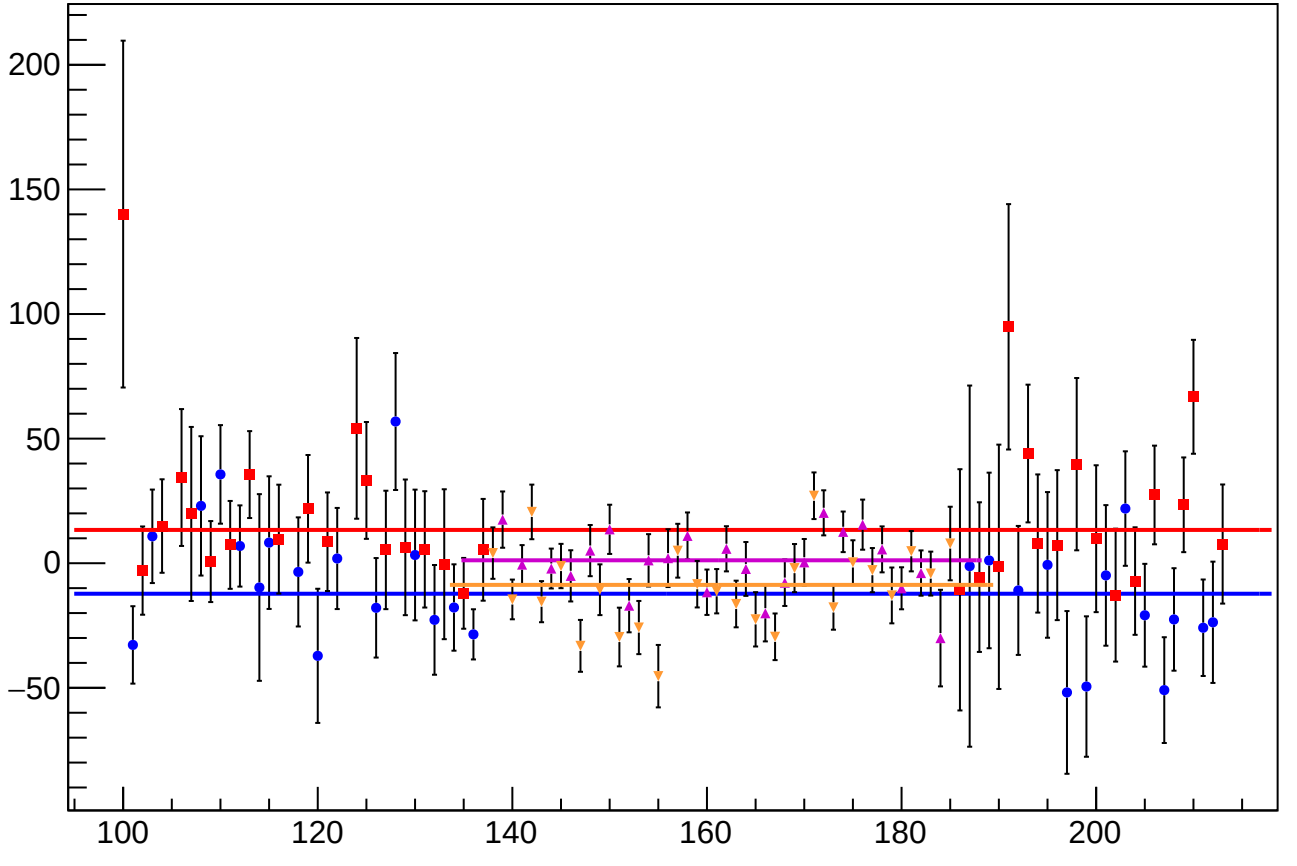
Right: 6586.104+/-0.801 χ^2/NDF: 4176706.9/62

In: 6651.837+/-0.804 χ^2/NDF:2401233.9/51

Out: 6707.229+/-0.785 χ^2/NDF:2807737.8/58

All: 6680.212+/-0.562 χ^2/NDF: 5211400.2/11

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -12.245+/-3.970 χ^2/NDF: 34.2/28

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

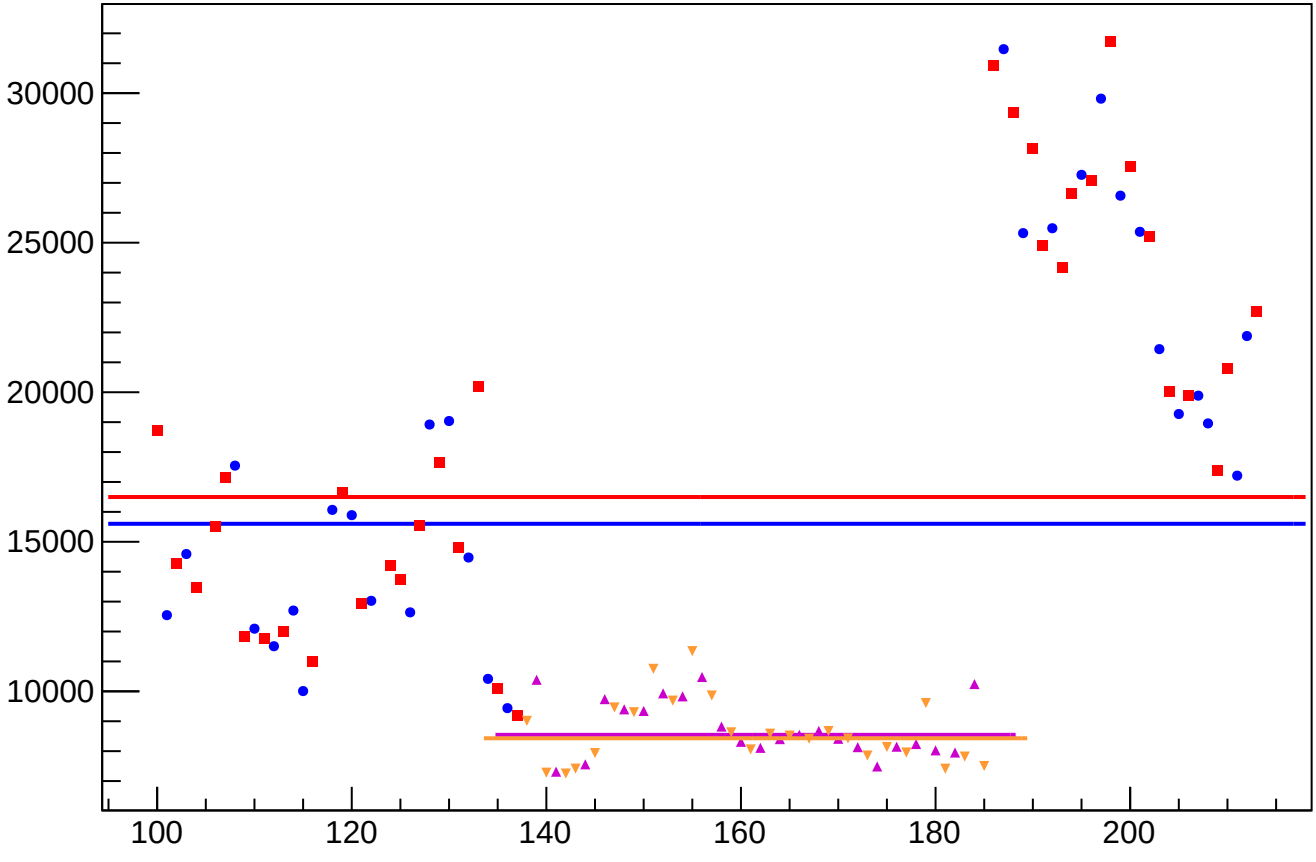
Right: 0.417+/-2.822 χ^2/NDF: 81.5/62

In: -1.569+/-1.795 χ^2/NDF:71.8/51

Out: -4.529+/-1.744 χ^2/NDF:112.7/58

All: -3.092+/-1.251 χ^2/NDF: 185.9/110

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 15601.646+/-2.807 χ^2/NDF: 3711329.4/28

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 16496.560+/-2.838 χ^2/NDF: 4056720.5/33

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

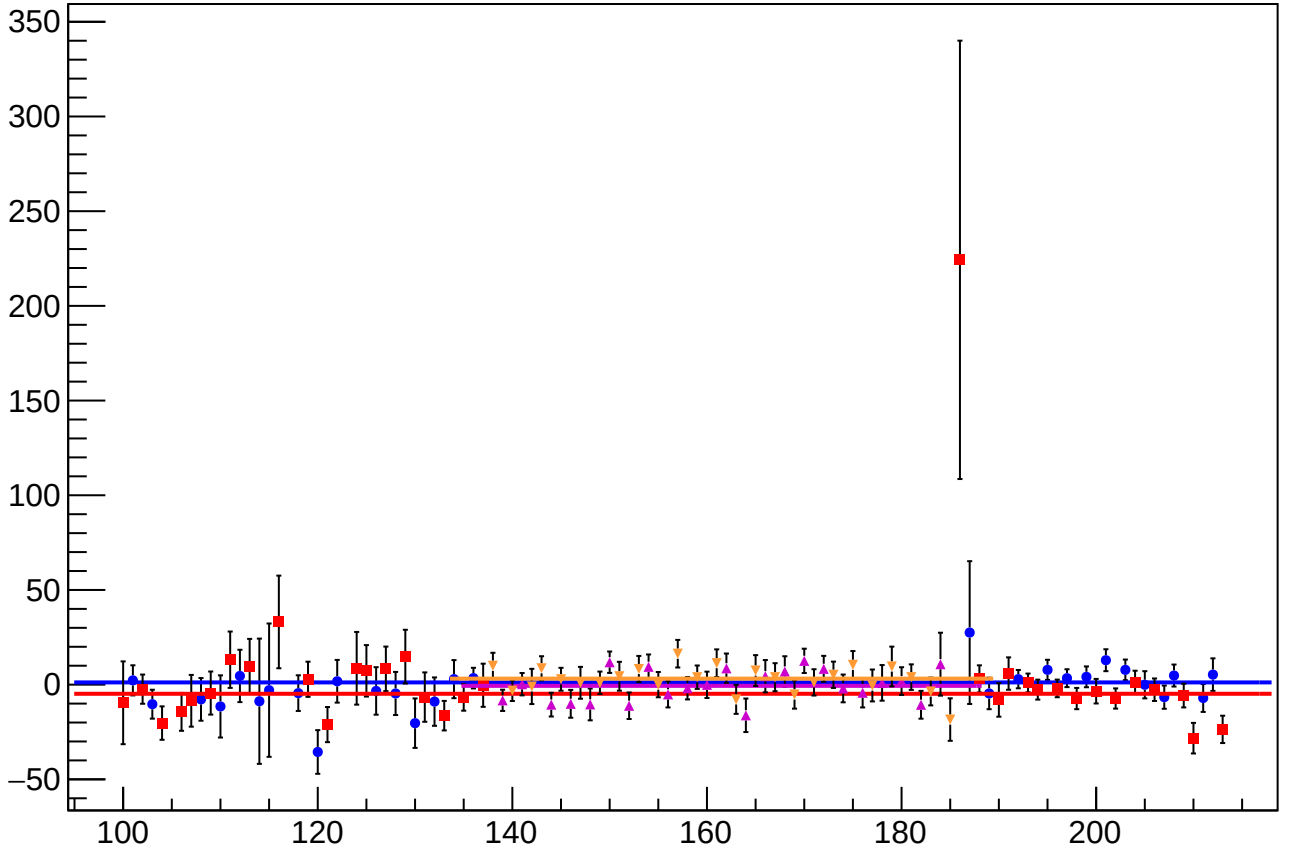
Right: 16044.165+/-1.996 χ^2/NDF: 7818309.6/62

In: 9988.089+/-1.269 χ^2/NDF:9128100.5/51

Out: 9953.229+/-1.233 χ^2/NDF:11093344.7/58

All: 9970.156+/-0.884 χ^2/NDF: 20221833.3/1

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 1.182+/-1.428 χ^2/NDF: 30.4/28

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

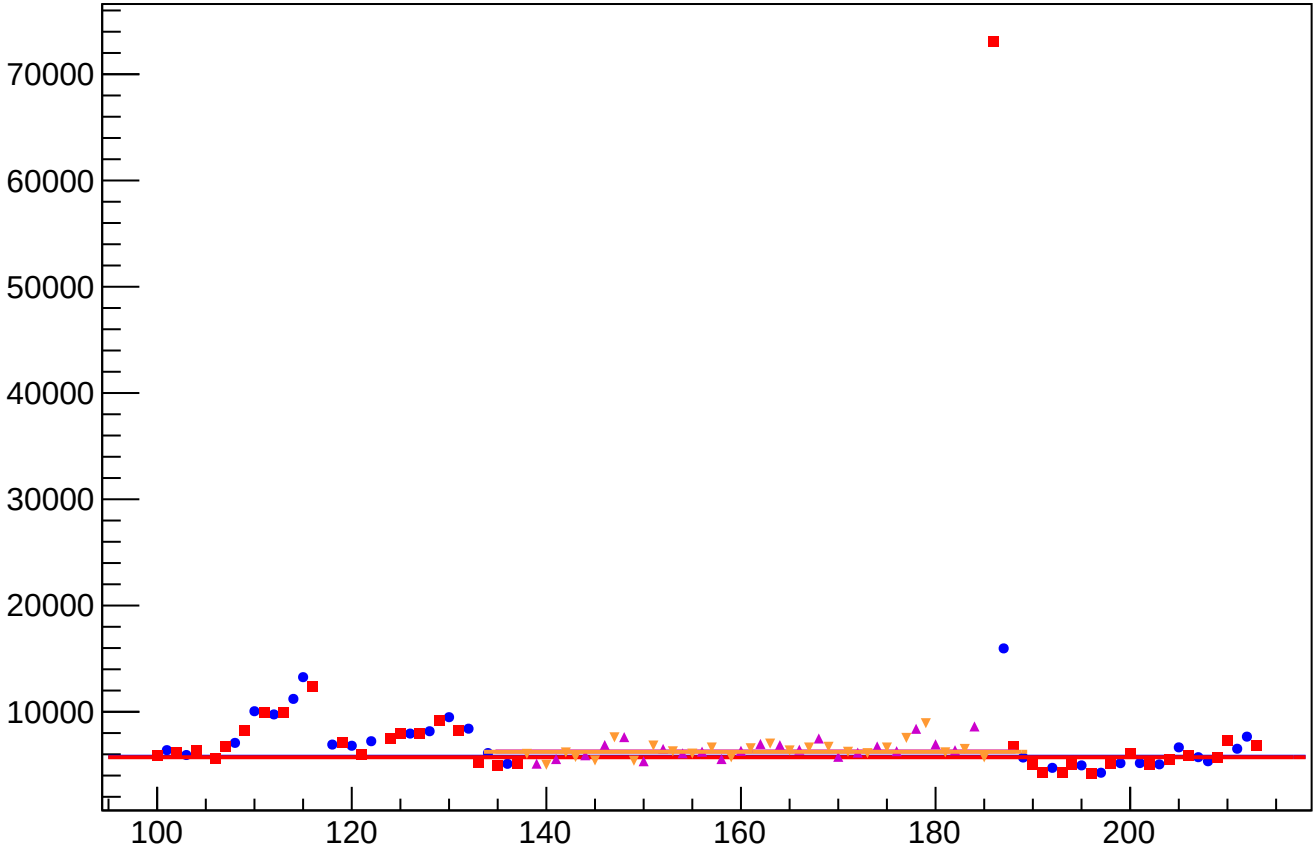
Right: -1.952+/-0.987 χ^2/NDF: 85.0/62

In: 0.308+/-1.028 χ^2/NDF:63.0/51

Out: -1.014+/-0.989 χ^2/NDF:80.4/58

All: -0.378+/-0.713 χ^2/NDF: 144.2/110

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5771.654+/-1.010 χ^2/NDF: 1725328.8/28

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

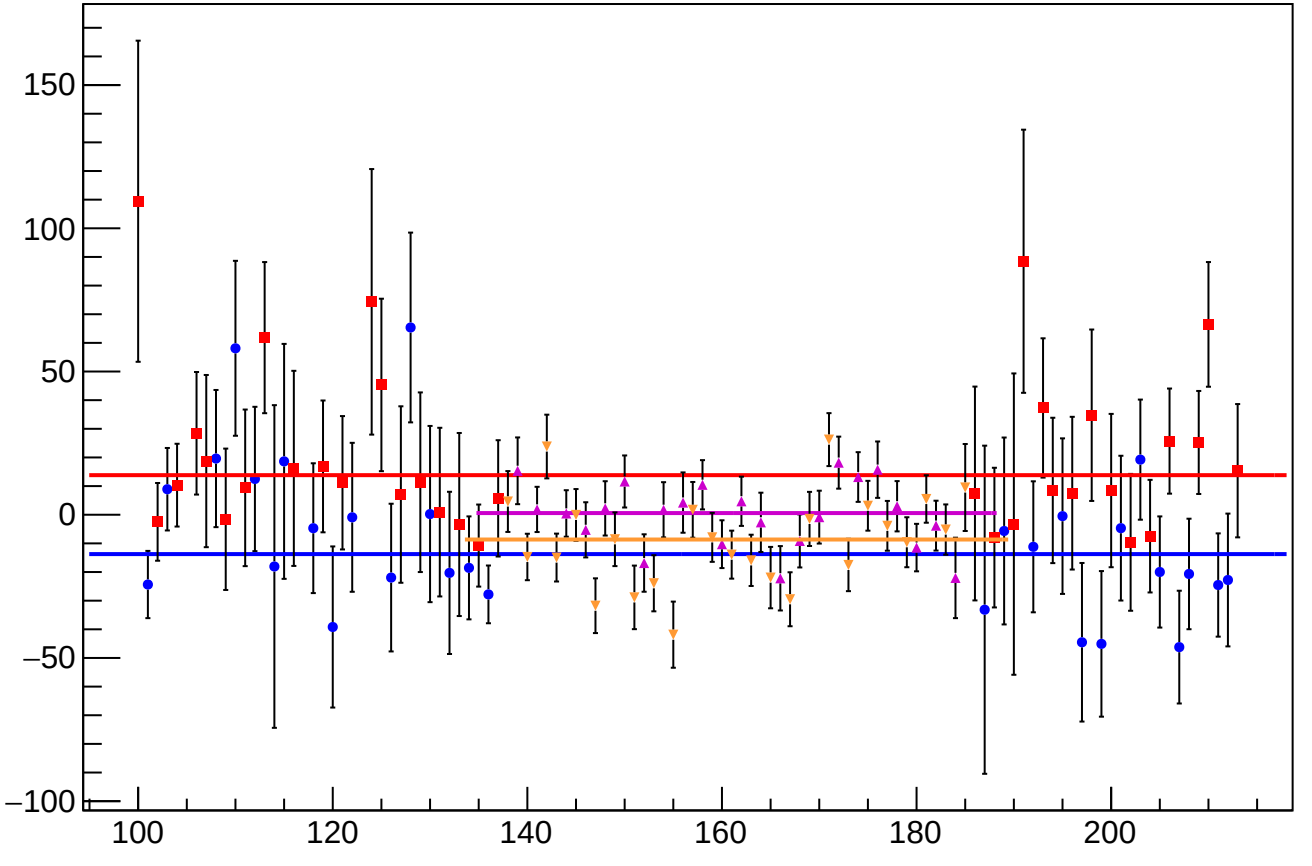
Right: 5746.851+/-0.698 χ^2/NDF: 4137577.7/62

In: 6010.753+/-0.727 χ^2/NDF:2366147.4/51

Out: 5968.495+/-0.700 χ^2/NDF:3053312.3/58

All: 5988.814+/-0.504 χ^2/NDF: 5421213.8/11

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -13.740+/-3.959 χ^2/NDF: 31.0/28

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

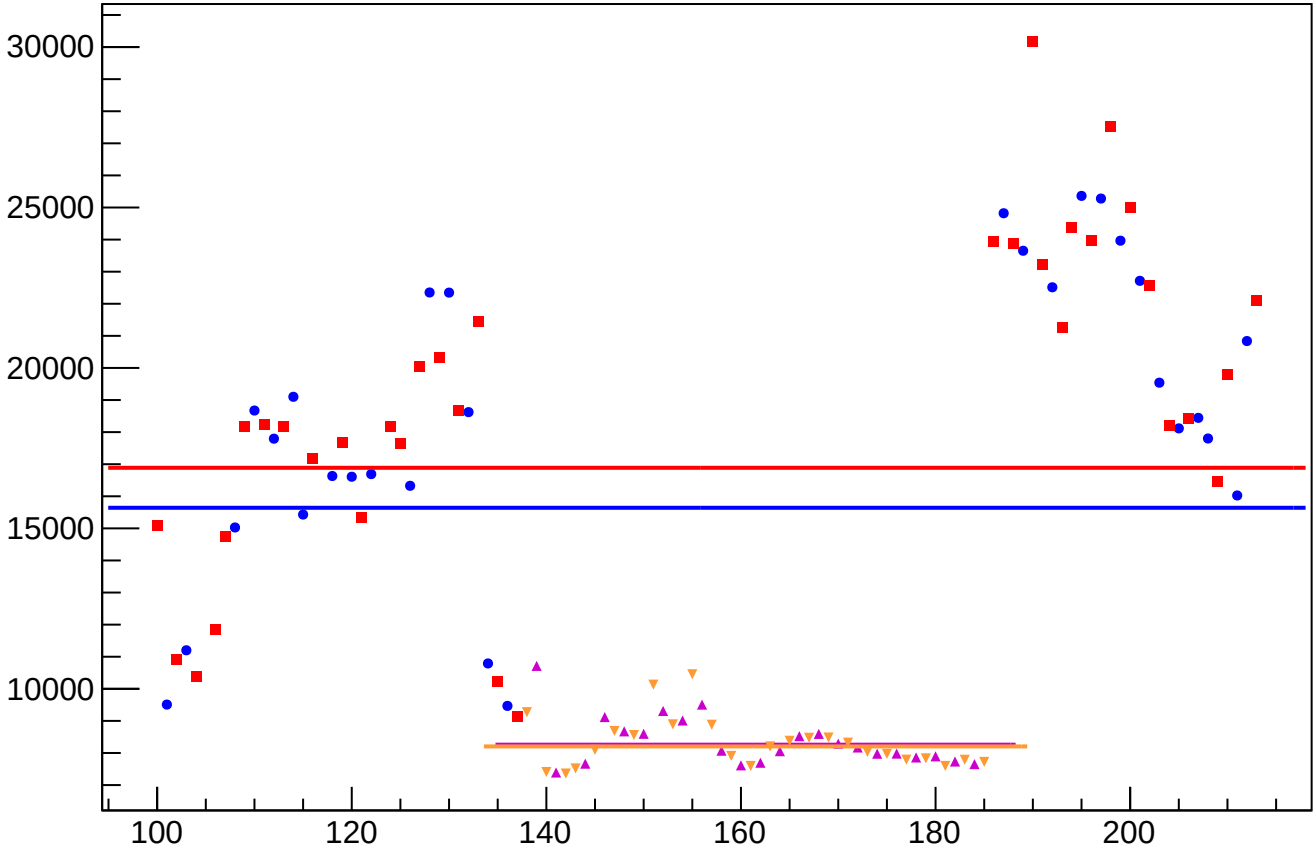
Right: -0.306+/-2.834 χ^2/NDF: 83.7/62

In: -2.187+/-1.741 χ^2/NDF:70.1/51

Out: -4.700+/-1.702 χ^2/NDF:117.4/58

All: -3.472+/-1.217 χ^2/NDF: 188.5/110

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 15642.175+/-2.800 χ^2/NDF: 3376629.8/28

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

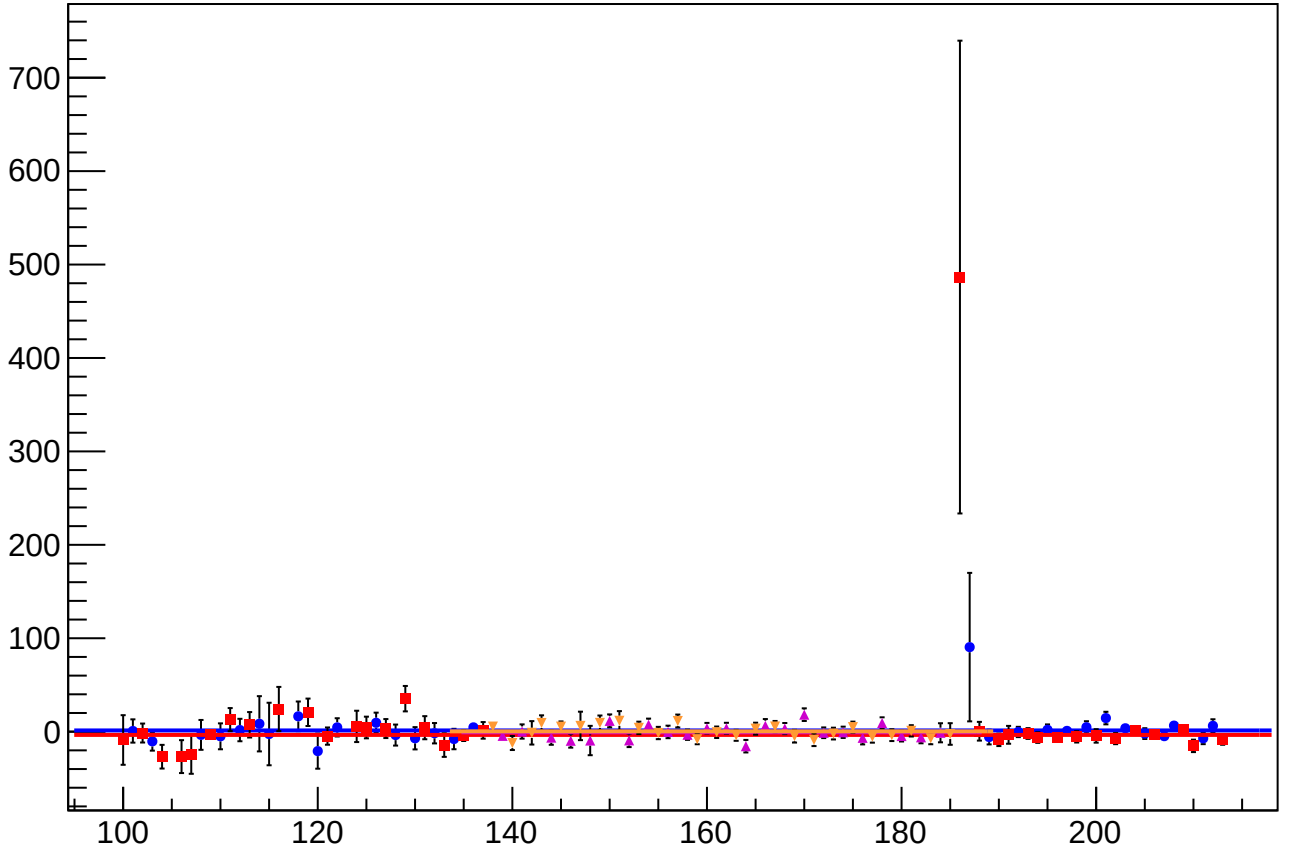
Right: 16249.529+/-2.004 χ^2/NDF: 6727619.5/62

In: 9687.214+/-1.231 χ^2/NDF:9243574.6/51

Out: 9731.297+/-1.204 χ^2/NDF:11069143.0/58

All: 9709.754+/-0.861 χ^2/NDF: 20313373.1/1

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.316+/-1.412 χ^2/NDF: 18.6/28

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

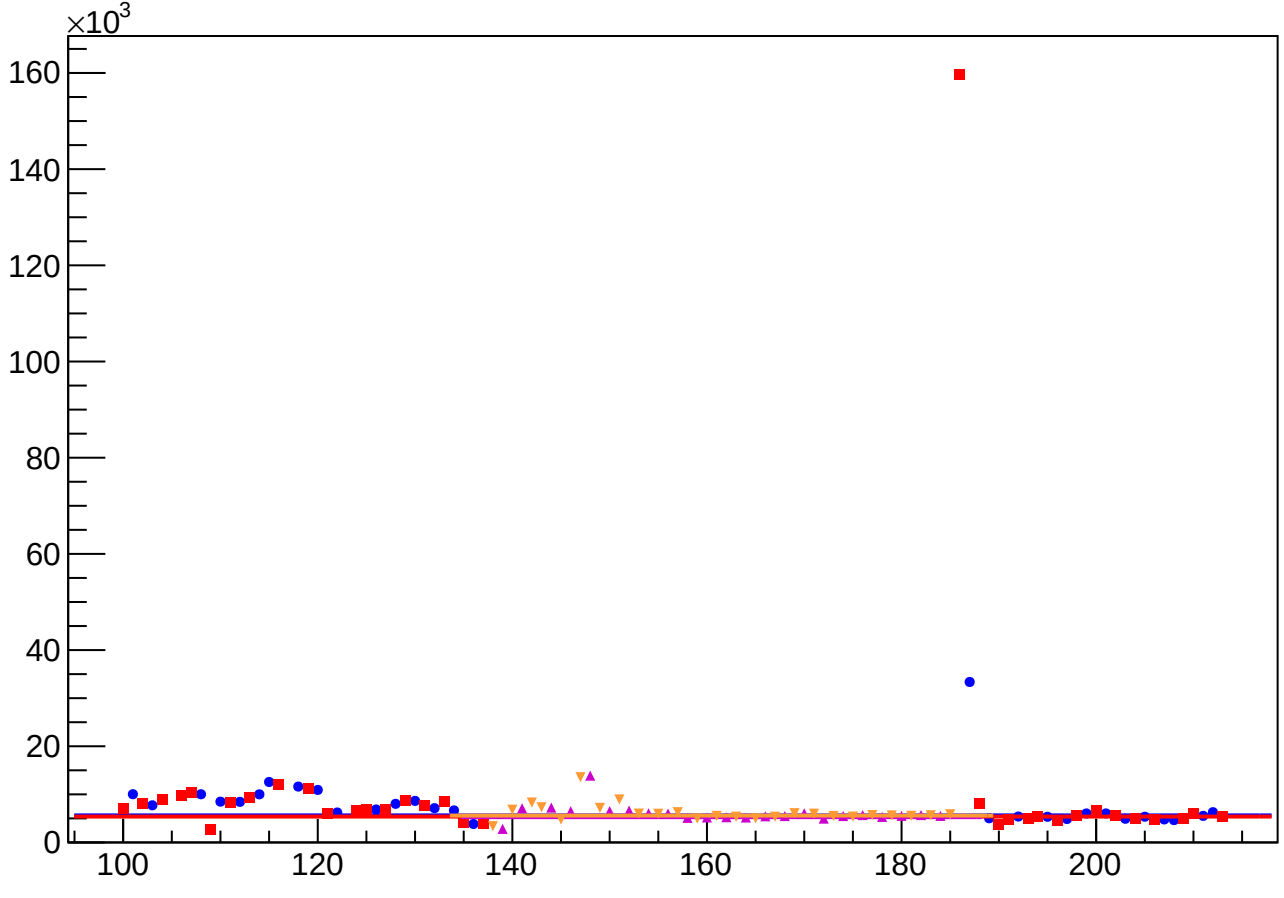
Right: -1.222+/-0.967 χ^2/NDF: 59.5/62

In: 0.213+/-0.953 χ^2/NDF:49.6/51

Out: -1.548+/-0.936 χ^2/NDF:60.5/58

All: -0.683+/-0.668 χ^2/NDF: 111.8/110

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 5628.592+/-0.998 χ^2/NDF: 2453841.1/28

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

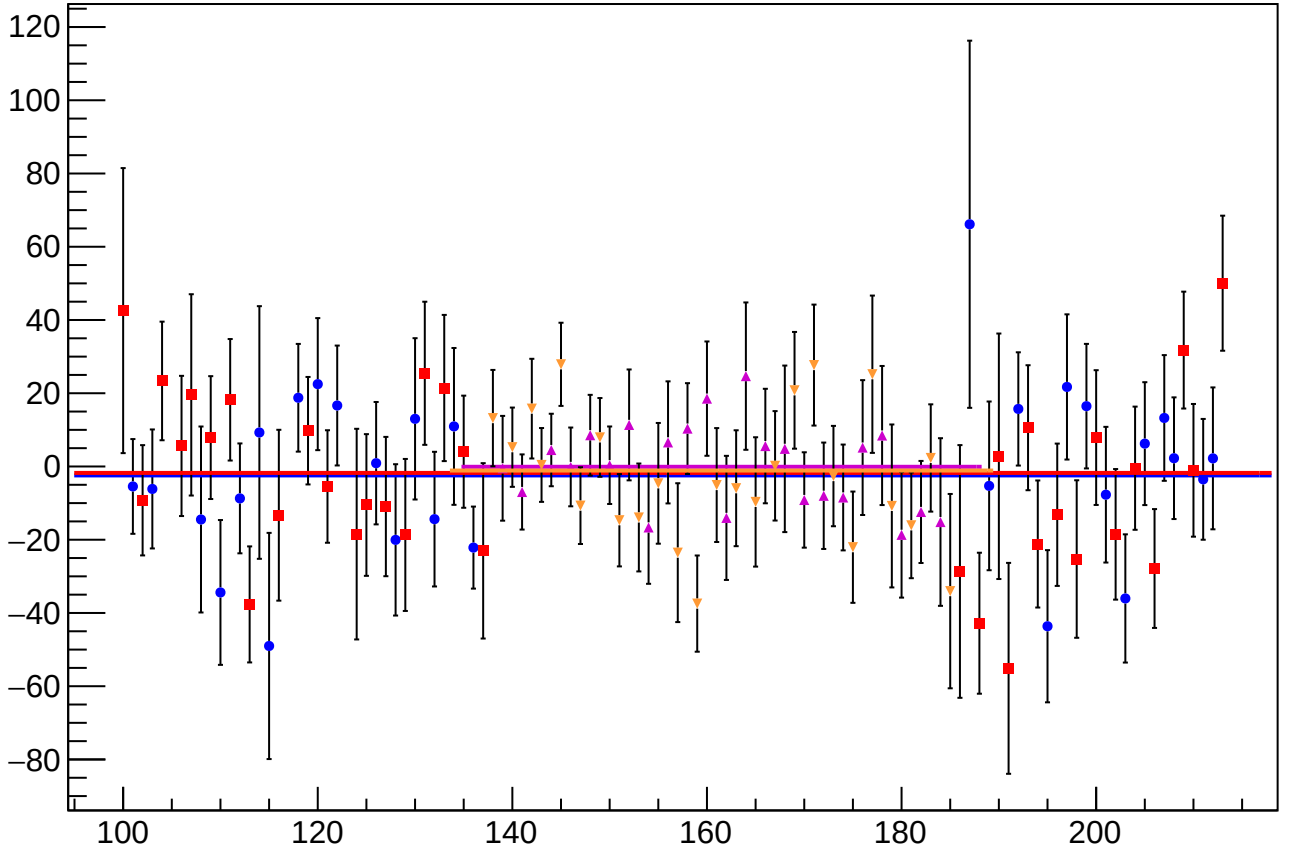
Right: 5499.898+/-0.684 χ^2/NDF: 6300578.6/62

In: 5429.388+/-0.674 χ^2/NDF:4952577.1/51

Out: 5490.771+/-0.662 χ^2/NDF:5624434.5/58

All: 5460.612+/-0.472 χ^2/NDF: 10581234.2/1

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -2.440+/-3.322 χ^2/NDF: 30.9/28

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

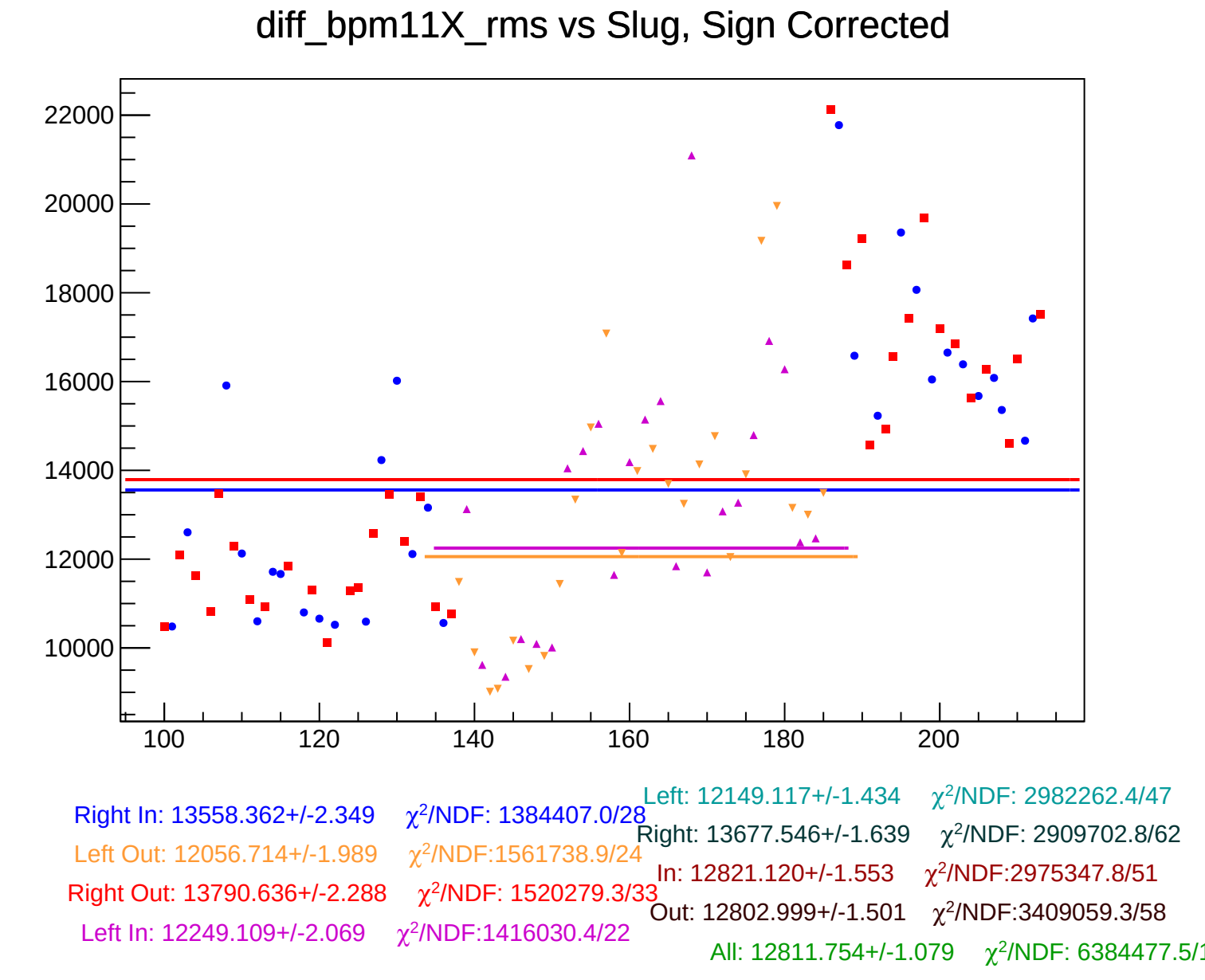
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

Right: -2.090+/-2.318 χ^2/NDF: 77.2/62

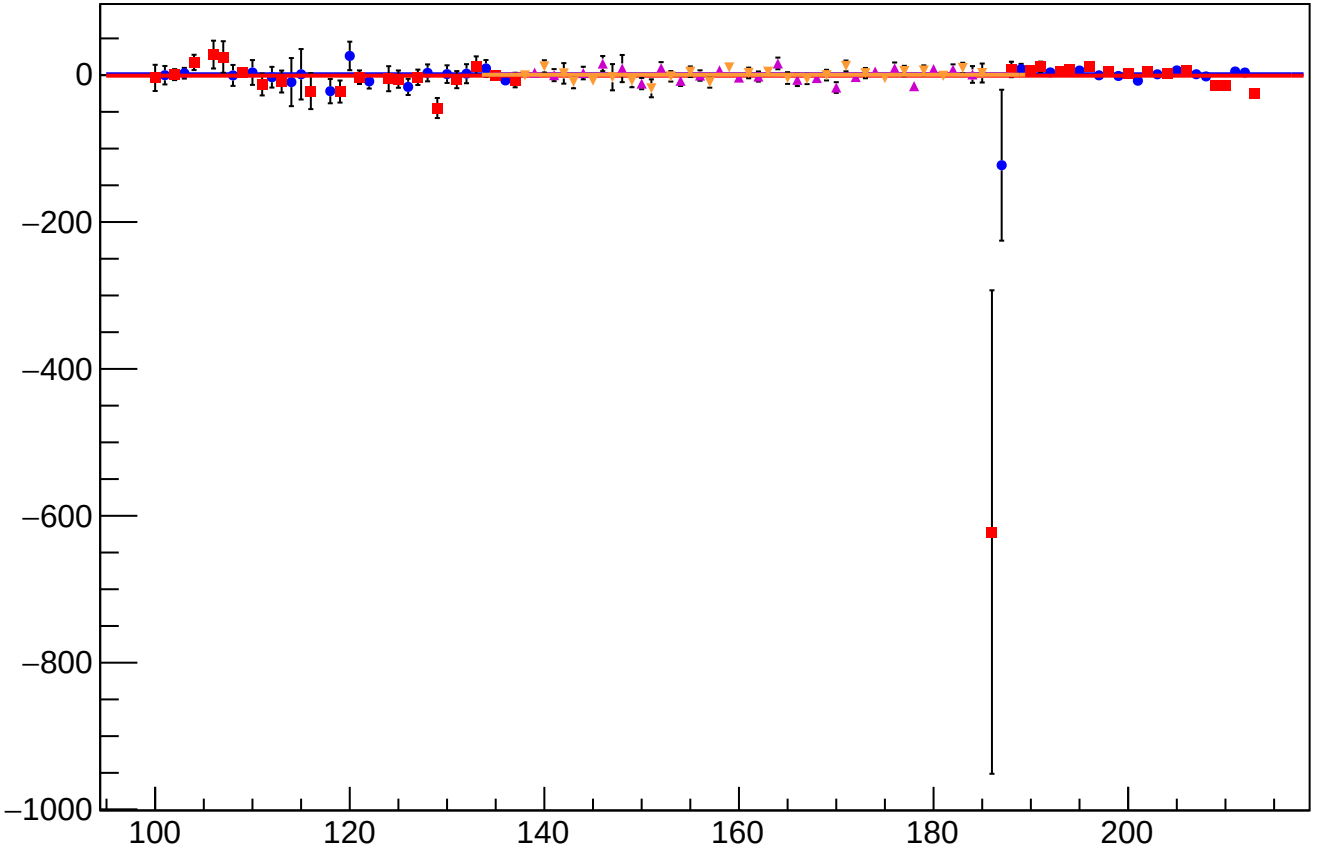
In: -1.114+/-2.196 χ^2/NDF:42.7/51

Out: -1.389+/-2.123 χ^2/NDF:80.0/58

All: -1.256+/-1.526 χ^2/NDF: 122.7/110


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
Right In: 13558.362+/-2.349 χ²/NDF: 1384407.0/28
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 13790.636+/-2.288 χ²/NDF: 1520279.3/33
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 13677.546+/-1.639 χ²/NDF: 2909702.8/62
In: 12821.120+/-1.553 χ²/NDF:2975347.8/51
Out: 12802.999+/-1.501 χ²/NDF:3409059.3/58
All: 12811.754+/-1.079 χ²/NDF: 6384477.5/1

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: 1.177+/-1.169 χ^2/NDF: 21.6/28

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

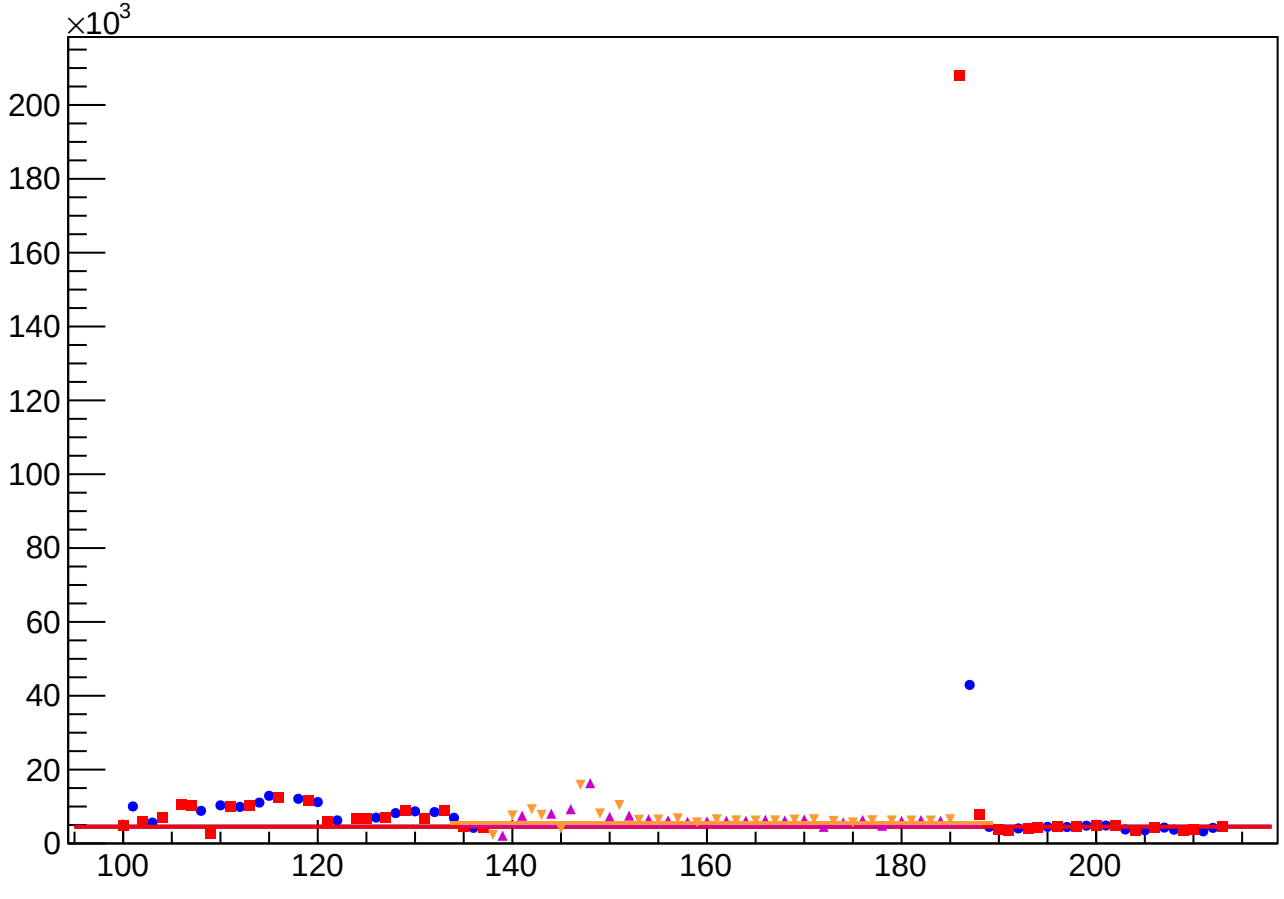
Right: 0.181+/-0.813 χ^2/NDF: 123.4/62

In: 1.073+/-0.868 χ^2/NDF:53.8/51

Out: -0.233+/-0.873 χ^2/NDF:122.3/58

All: 0.424+/-0.615 χ^2/NDF: 177.2/110

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 4558.722+/-0.827 χ^2/NDF: 3717421.3/28

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

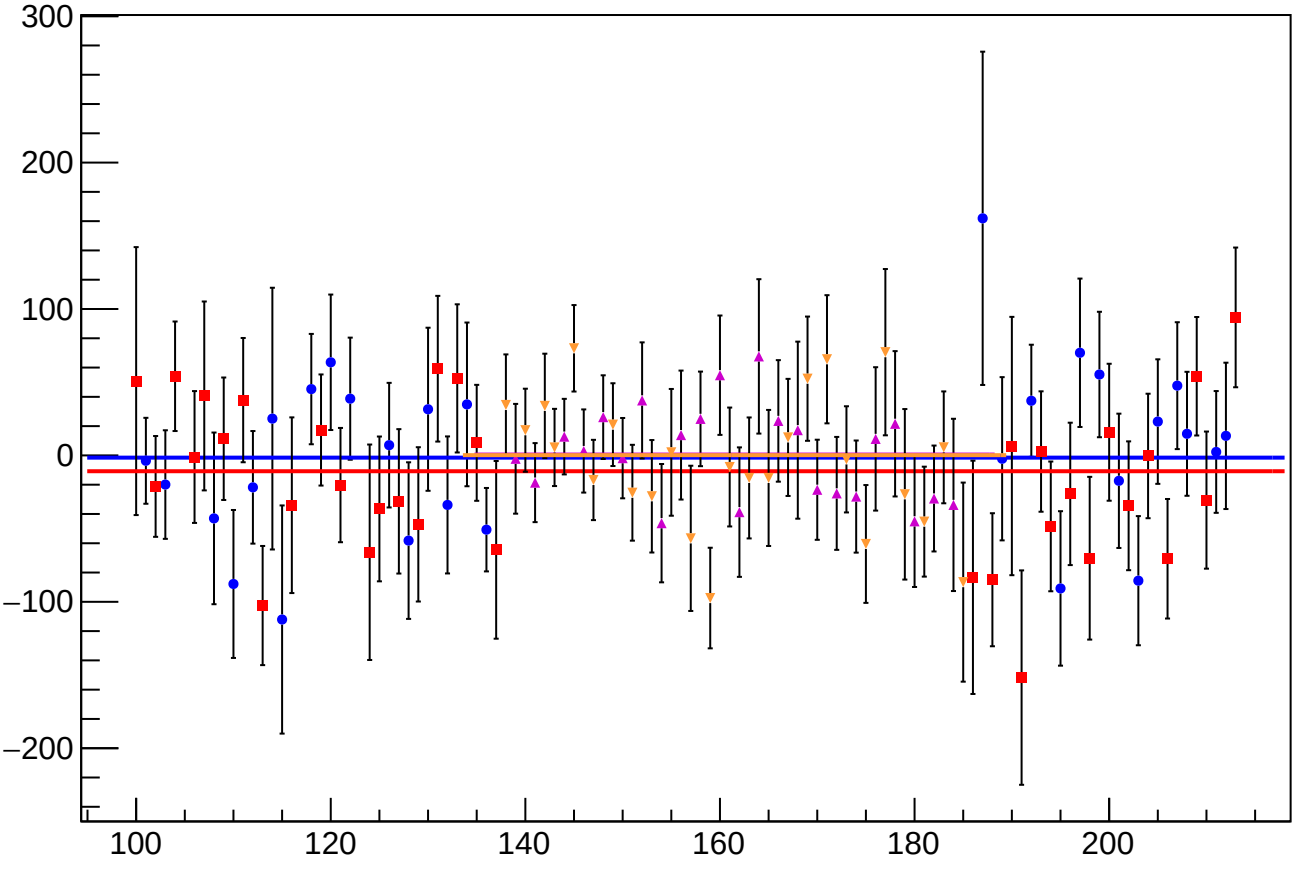
Right: 4545.047+/-0.575 χ^2/NDF: 7945295.1/62

In: 4730.907+/-0.613 χ^2/NDF:9750117.6/51

Out: 4936.914+/-0.617 χ^2/NDF:9231386.7/58

All: 4833.311+/-0.435 χ^2/NDF: 19037566.8/1

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -1.521+/-8.304 χ^2/NDF: 31.2/28

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

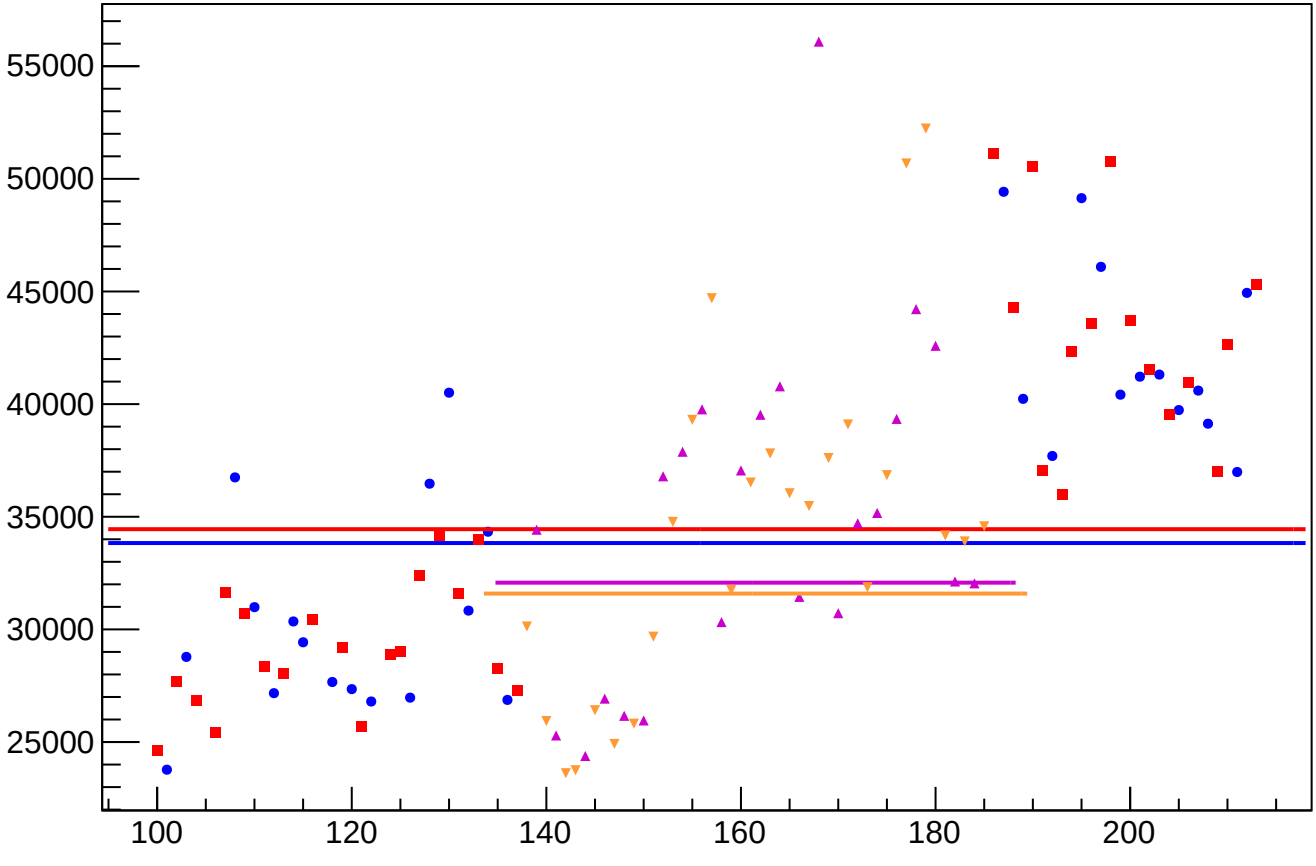
Right: -6.283+/-5.795 χ^2/NDF: 69.3/62

In: -0.384+/-5.633 χ^2/NDF:44.1/51

Out: -4.811+/-5.450 χ^2/NDF:69.6/58

All: -2.670+/-3.917 χ^2/NDF: 114.0/110

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 33833.312+/-5.872 χ^2/NDF: 1471465.7/28

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

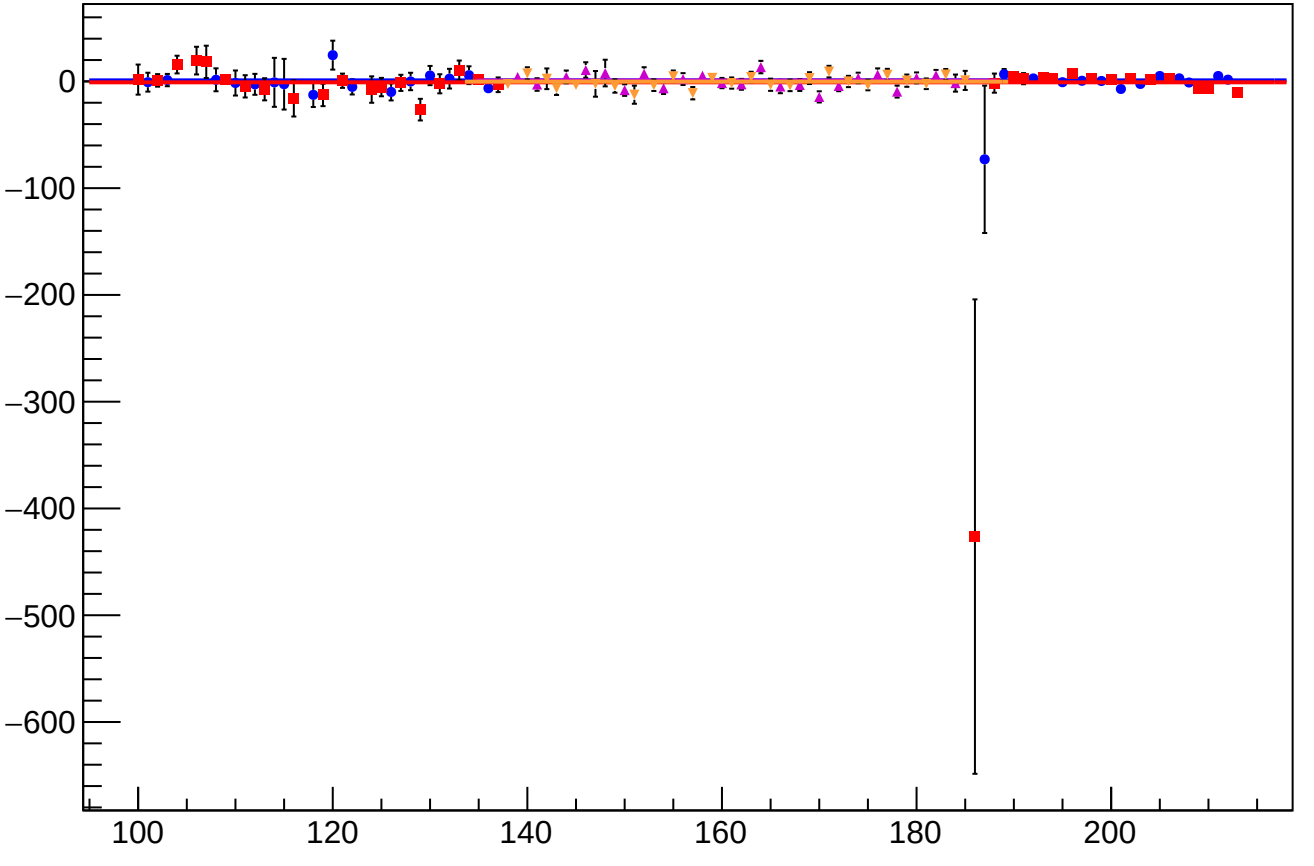
Right: 34148.815+/-4.098 χ^2/NDF: 3062307.0/62

In: 32884.185+/-3.983 χ^2/NDF:2975583.0/51

Out: 32887.046+/-3.854 χ^2/NDF:3312437.2/58

All: 32885.663+/-2.770 χ^2/NDF: 6288020.5/1

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.950+/-0.695 χ^2/NDF: 33.4/28

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

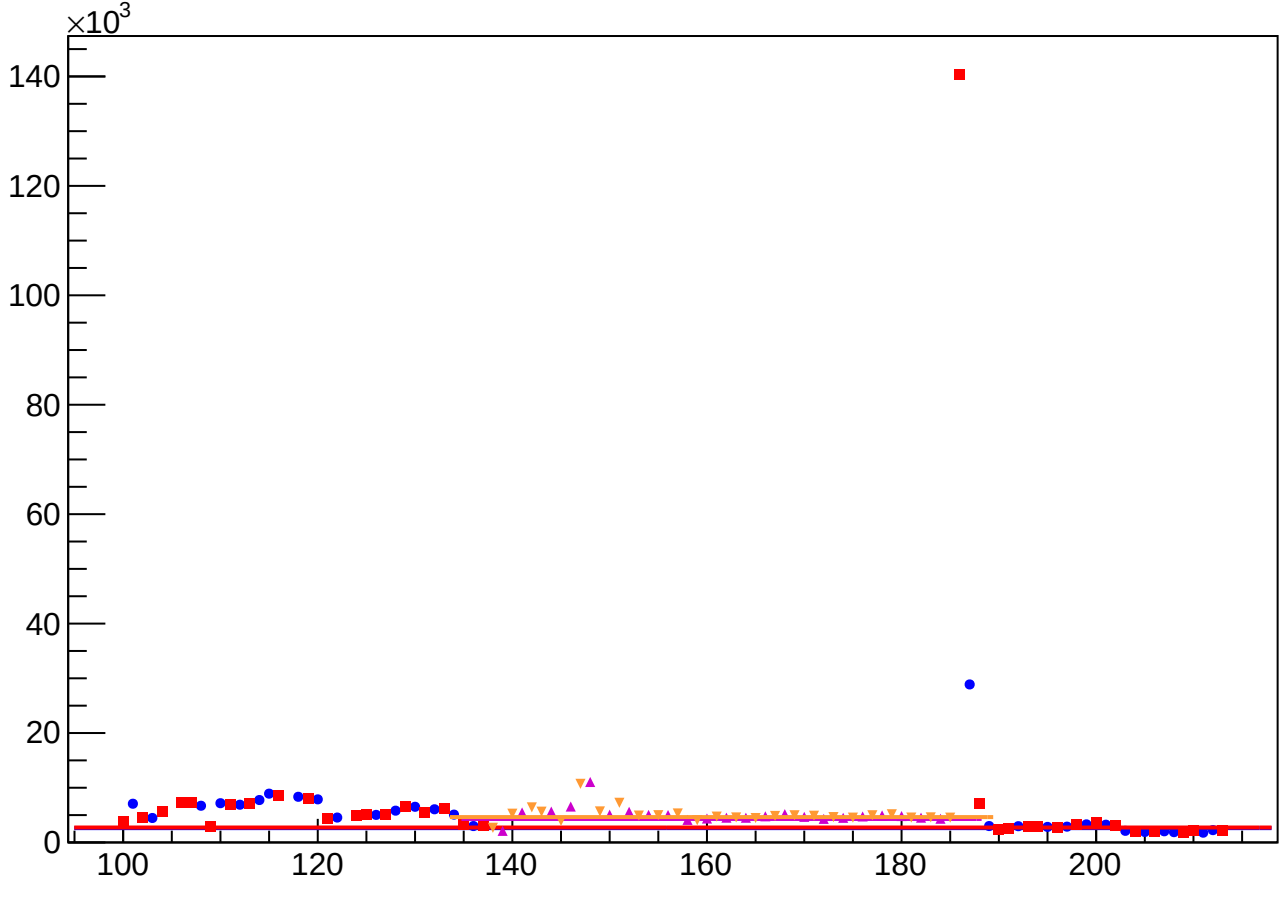
Right: 0.046+/-0.494 χ^2/NDF: 113.2/62

In: 0.902+/-0.582 χ^2/NDF:67.2/51

Out: -0.684+/-0.590 χ^2/NDF:96.5/58

All: 0.120+/-0.414 χ^2/NDF: 167.3/110

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 2616.928+/-0.492 χ^2/NDF: 5831175.4/28

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

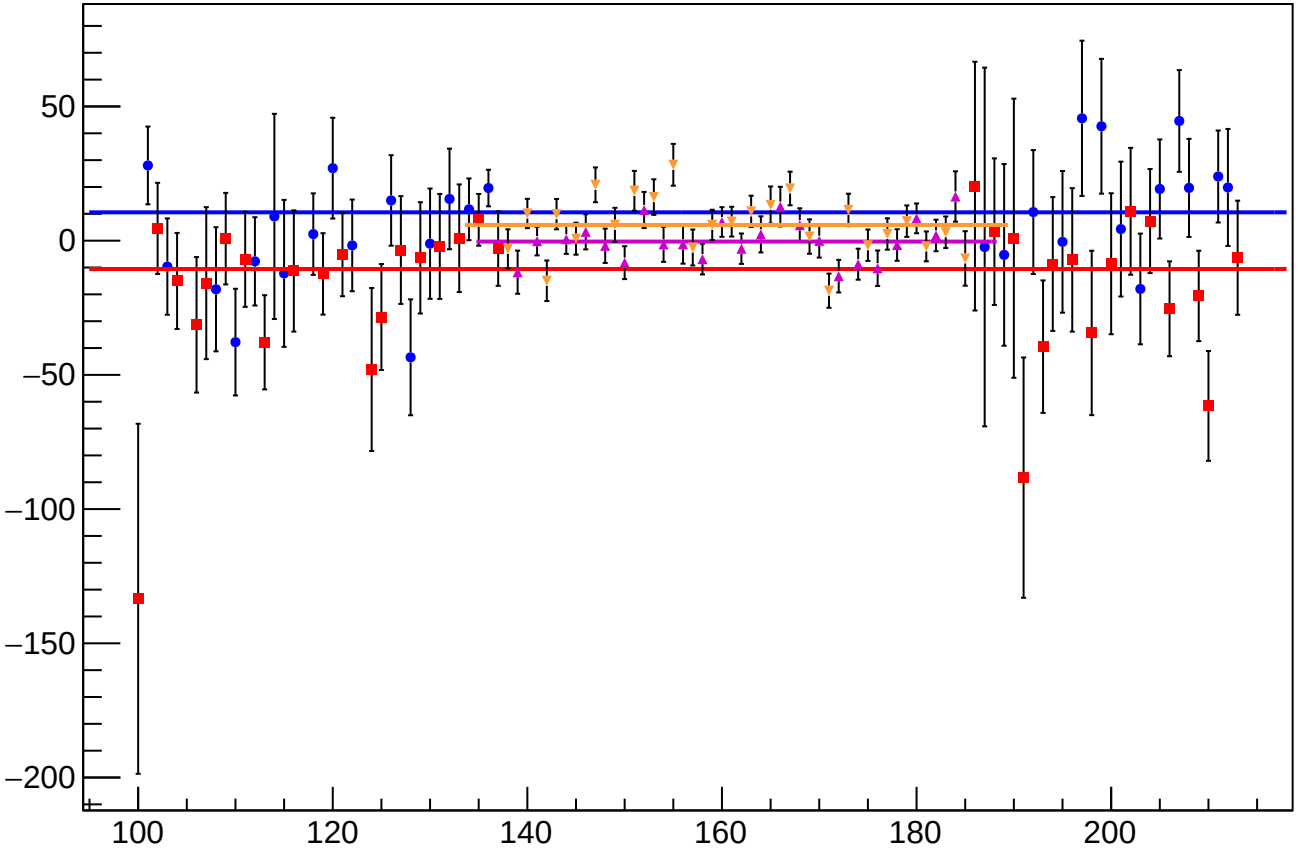
Right: 2674.344+/-0.349 χ^2/NDF: 12113905.5/62

In: 3121.424+/-0.411 χ^2/NDF:12428442.6/51

Out: 3286.940+/-0.417 χ^2/NDF:12317370.2/58

All: 3202.971+/-0.293 χ^2/NDF: 24825634.9/

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 10.558+/-3.264 χ^2/NDF: 32.2/28

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

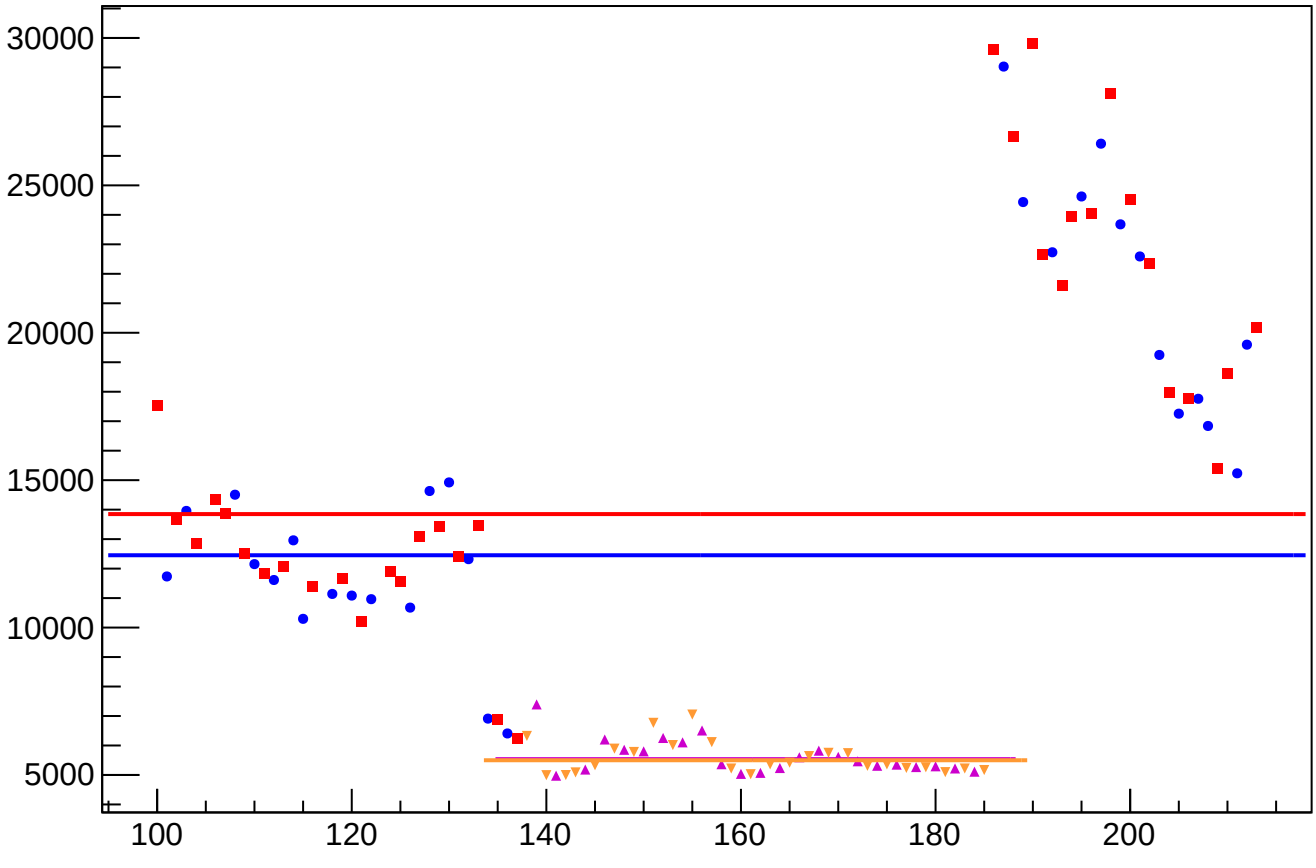
Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

Right: 0.515+/-2.363 χ^2/NDF: 81.9/62

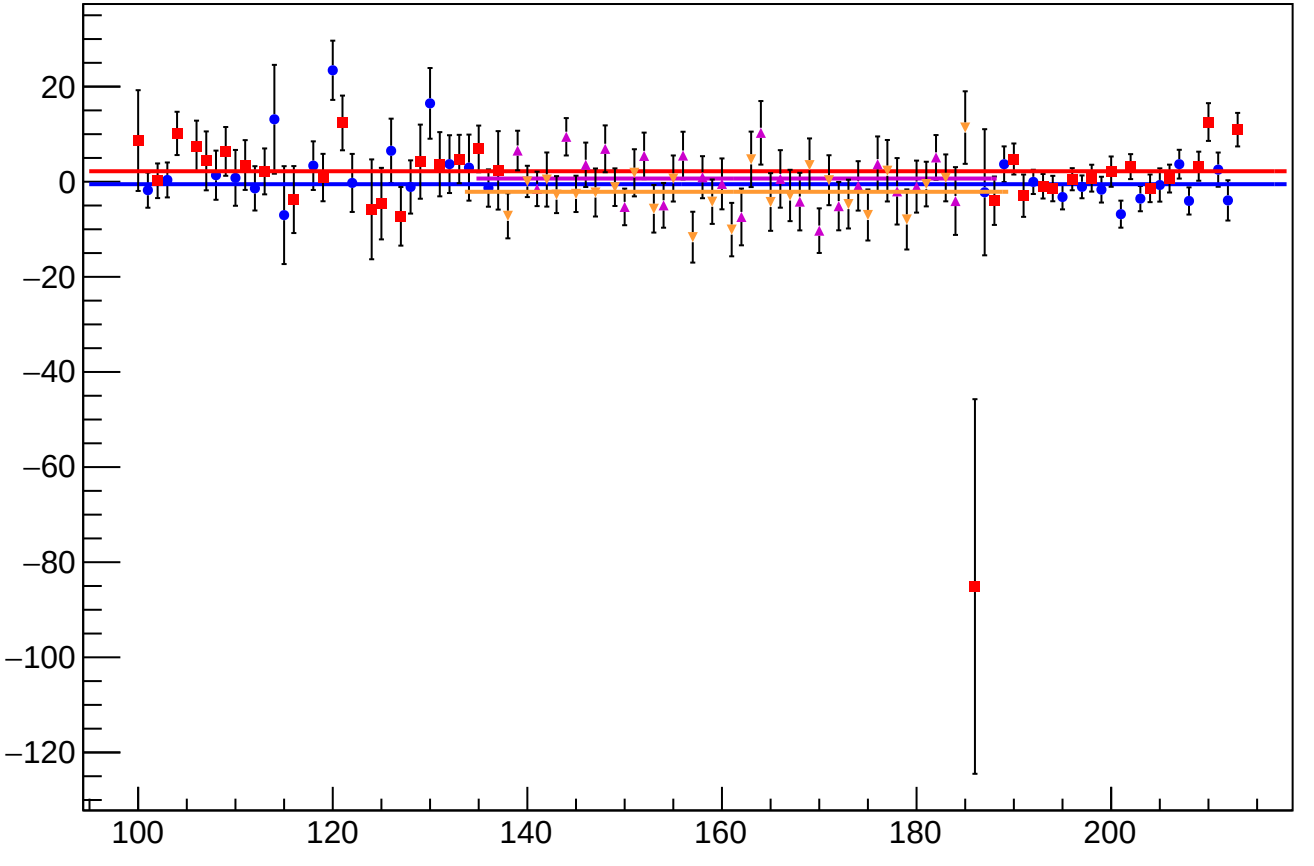
In: 1.157+/-1.208 χ^2/NDF:71.1/51

Out: 3.902+/-1.180 χ^2/NDF:110.1/58

All: 2.561+/-0.844 χ^2/NDF: 183.9/110


diff_bpm16X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 12453.088+/-2.308 χ²/NDF: 5480373.0/28
Left Out: 5499.215+/-0.889 χ²/NDF:297719.4/24
Right Out: 13849.486+/-2.423 χ²/NDF: 5210921.7/33
Left In: 5537.777+/-0.920 χ²/NDF:304062.1/22
Left: 5517.842+/-0.639 χ²/NDF: 602690.2/47
Right: 13117.152+/-1.671 χ²/NDF: 10865418.0/62
In: 6485.754+/-0.854 χ²/NDF:13533152.0/51
Out: 6489.852+/-0.835 χ²/NDF:15972585.1/58
All: 6487.851+/-0.597 χ²/NDF: 29505748.9/1

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.519+/-0.716 χ^2/NDF: 38.4/28

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

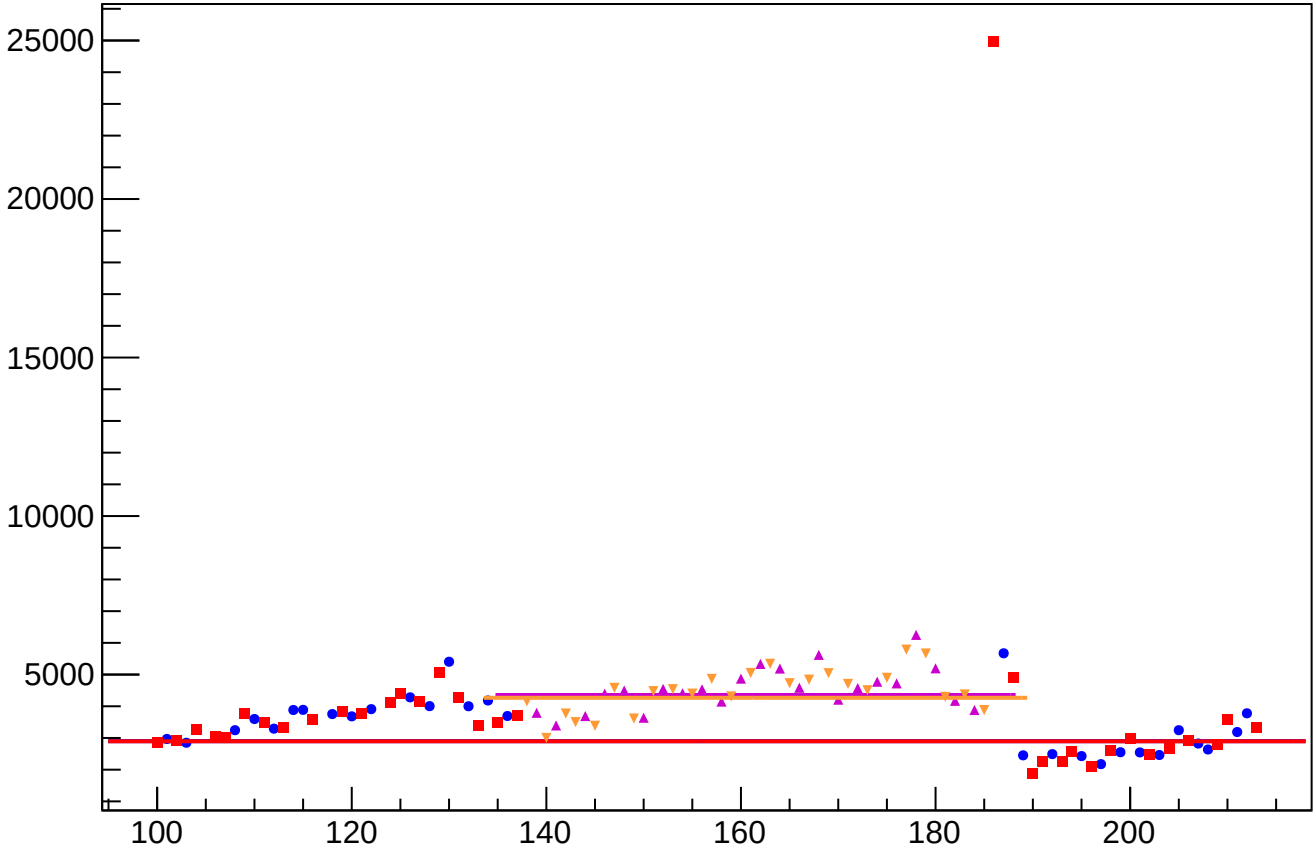
Right: 0.893+/-0.497 χ^2/NDF: 87.9/62

In: -0.132+/-0.588 χ^2/NDF:67.6/51

Out: 0.788+/-0.565 χ^2/NDF:72.4/58

All: 0.346+/-0.408 χ^2/NDF: 141.2/110

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 2899.175+/-0.506 χ^2/NDF: 1503123.6/28

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2895.929+/-0.488 χ^2/NDF: 2514256.3/33

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

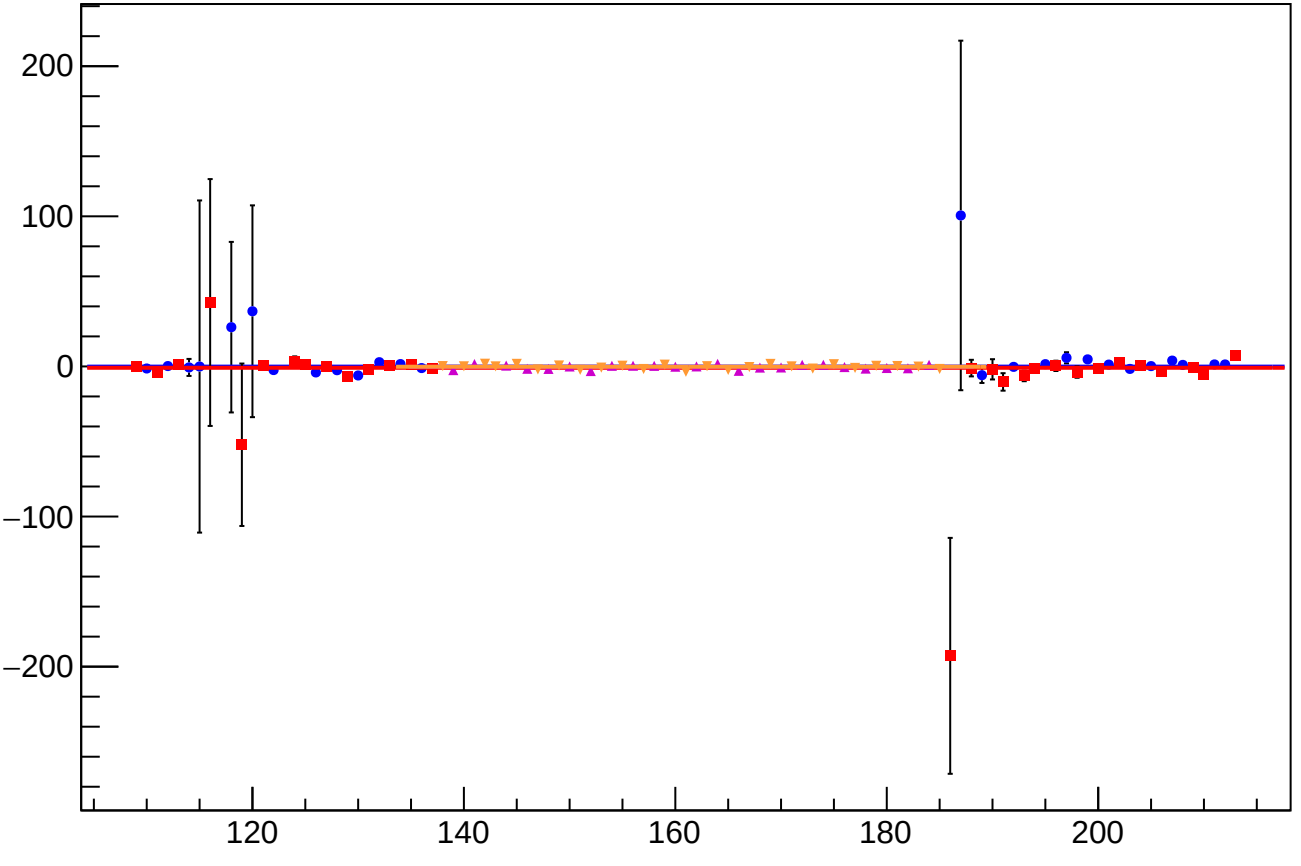
Right: 2897.493+/-0.351 χ^2/NDF: 4017401.2/62

In: 3372.831+/-0.416 χ^2/NDF:4941121.7/51

Out: 3345.893+/-0.400 χ^2/NDF:6143231.6/58

All: 3358.840+/-0.288 χ^2/NDF: 11086534.8/1

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.128+/-0.530 χ^2/NDF: 27.1/25

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

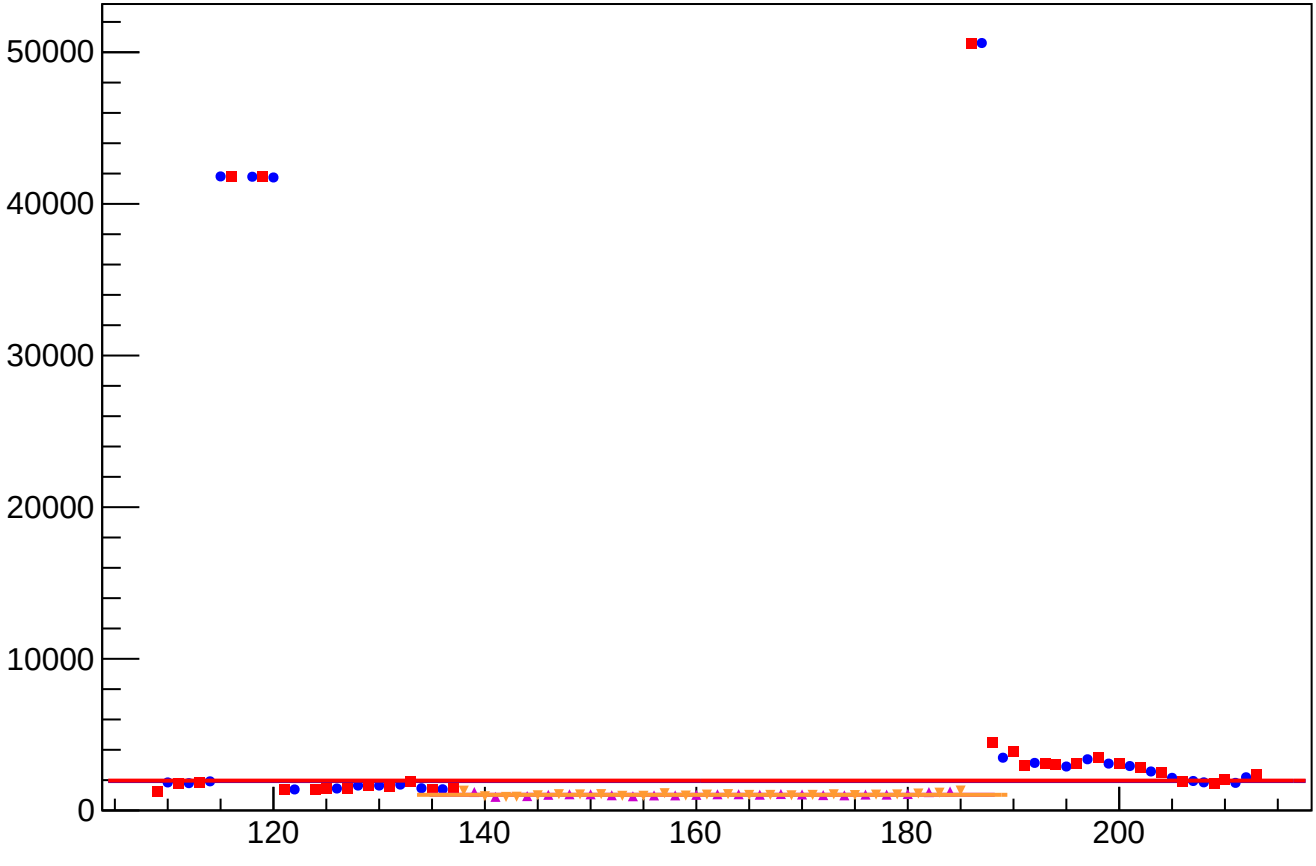
Right: -0.512+/-0.374 χ^2/NDF: 70.6/54

In: -0.298+/-0.220 χ^2/NDF:56.7/48

Out: -0.316+/-0.215 χ^2/NDF:77.8/53

All: -0.307+/-0.154 χ^2/NDF: 134.5/102

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1938.580+/-0.374 χ^2/NDF: 4417960.9/25

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

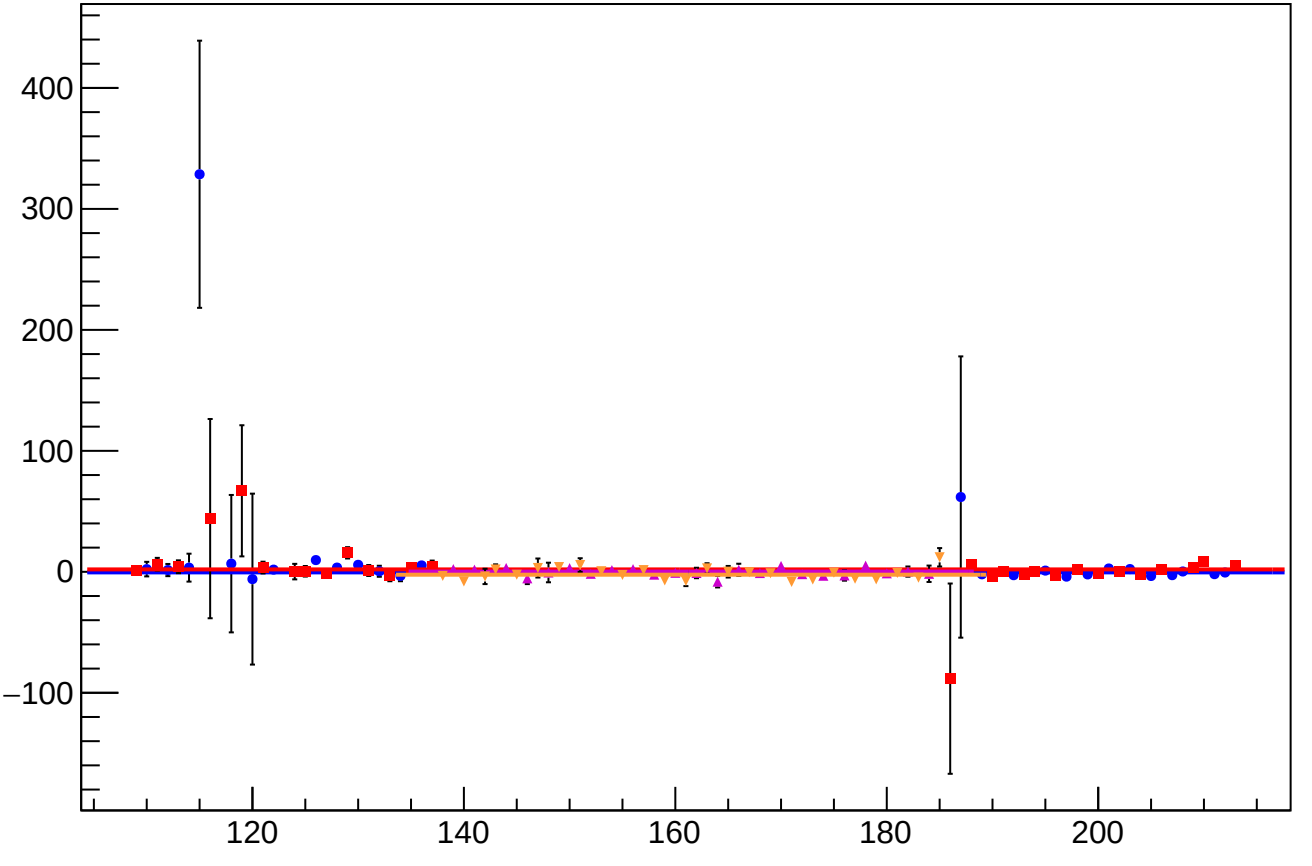
Right: 1953.041+/-0.264 χ^2/NDF: 9844011.4/54

In: 1189.406+/-0.156 χ^2/NDF:9446089.6/48

Out: 1186.683+/-0.152 χ^2/NDF:10905813.7/53

All: 1188.012+/-0.109 χ^2/NDF: 20352059.9/1

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: -0.470+/-0.463 χ^2/NDF: 45.3/25

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

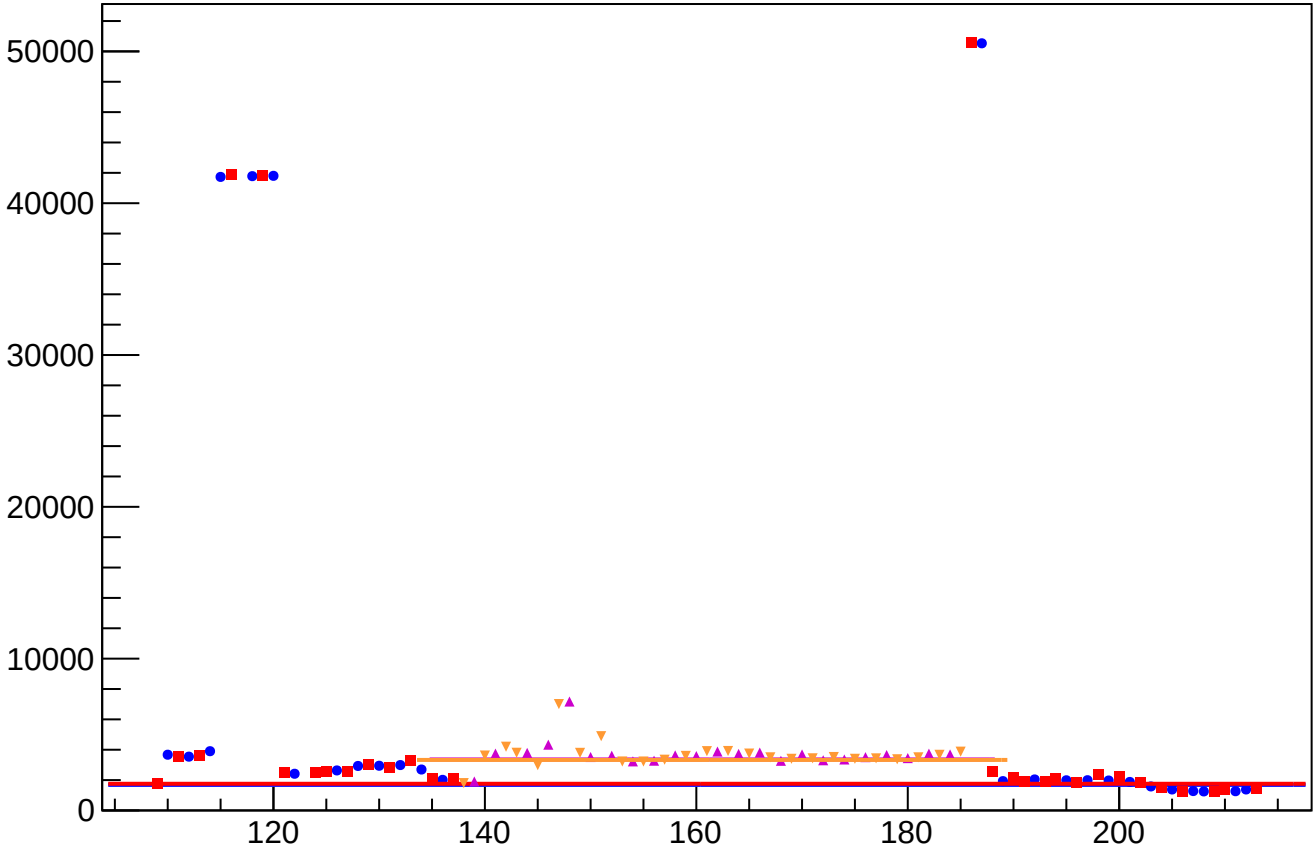
Right: 0.746+/-0.330 χ^2/NDF: 124.6/54

In: -0.312+/-0.402 χ^2/NDF:58.4/48

Out: 0.836+/-0.402 χ^2/NDF:112.6/53

All: 0.262+/-0.284 χ^2/NDF: 175.1/102

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 1685.455+/-0.328 χ^2/NDF: 4620613.8/25

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

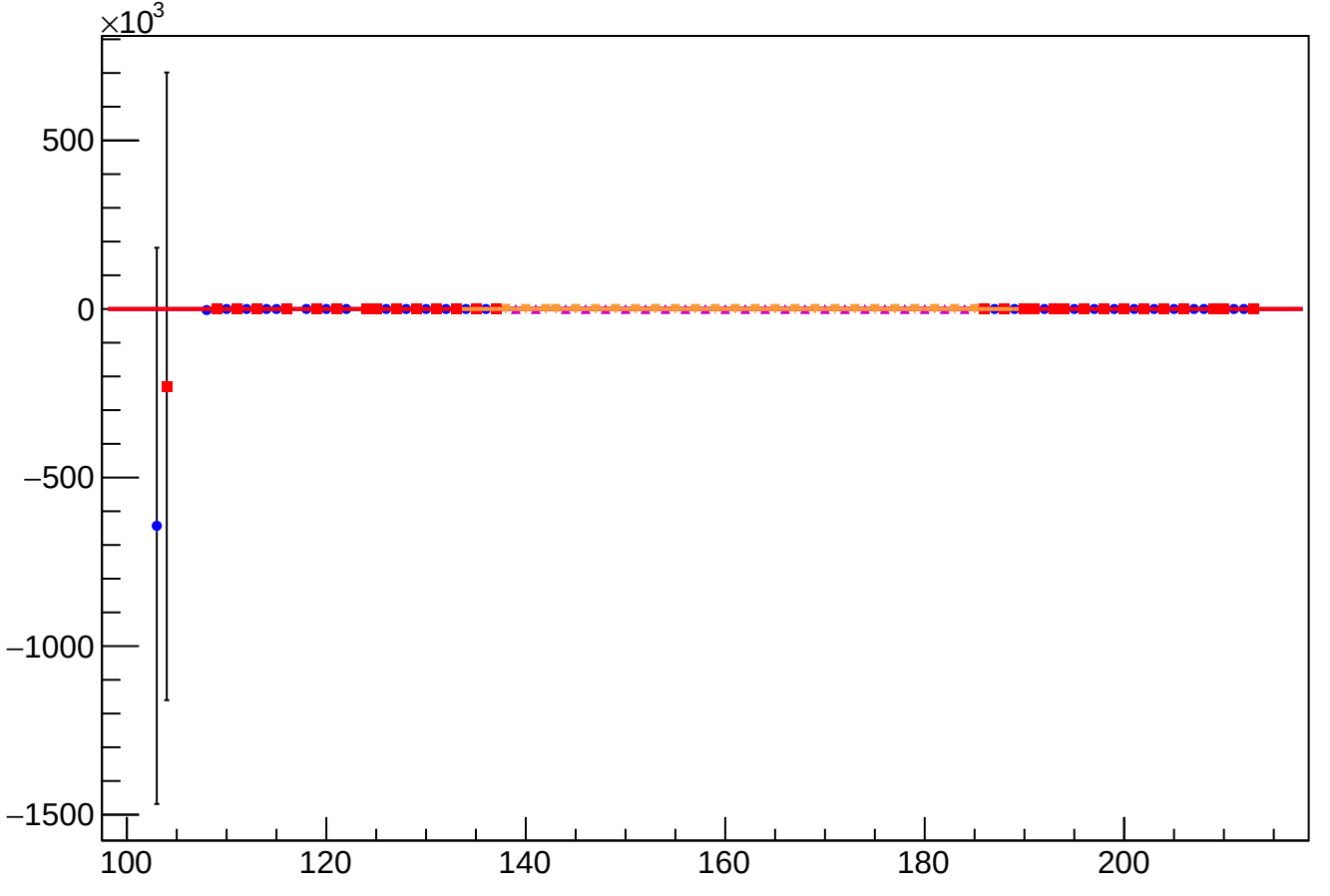
Right: 1720.837+/-0.233 χ^2/NDF: 9393474.5/54

In: 2098.974+/-0.284 χ^2/NDF:12720311.8/48

Out: 2172.923+/-0.285 χ^2/NDF:12600056.2/53

All: 2135.937+/-0.201 χ^2/NDF: 25354157.9/1

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.598+/-0.564 χ^2/NDF: 30.1/27

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

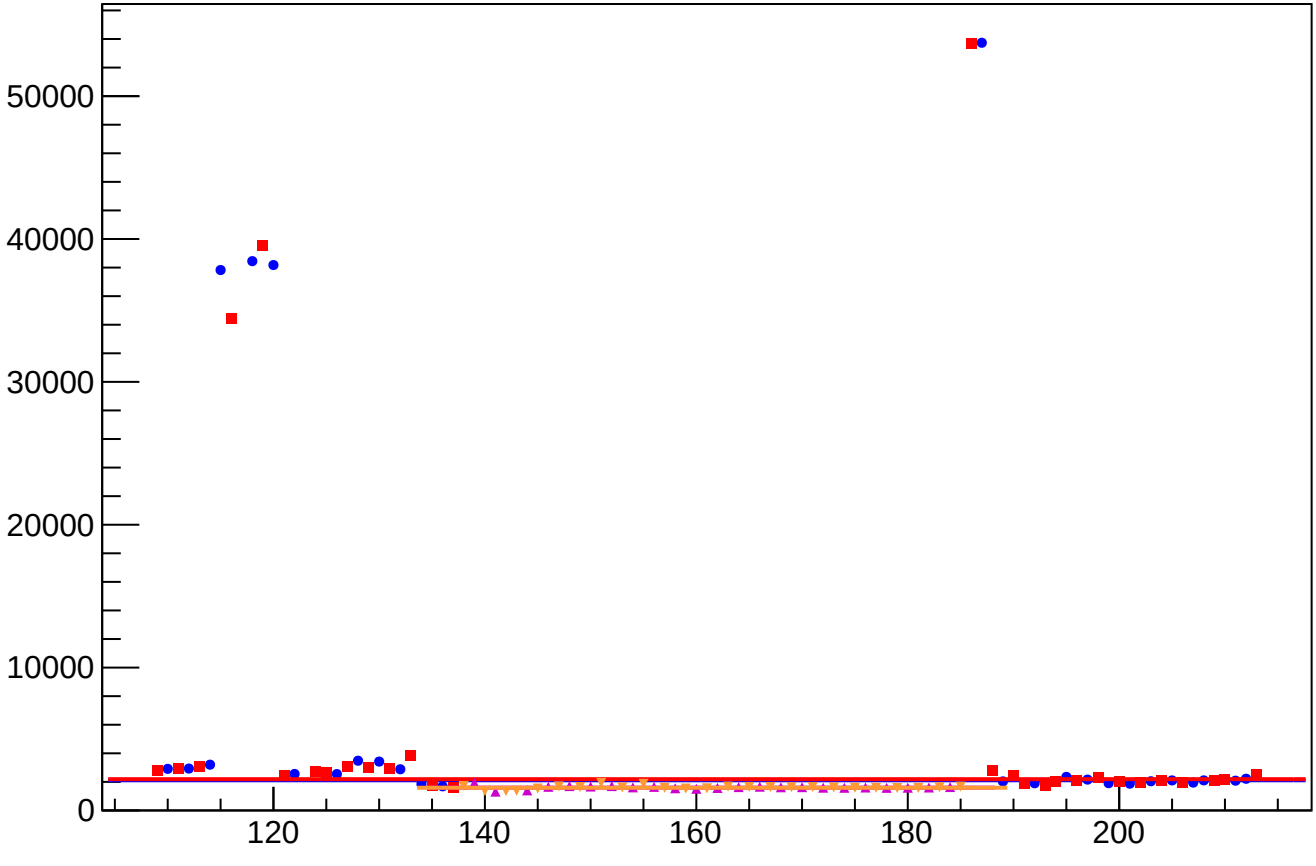
Right: 0.362+/-0.399 χ^2/NDF: 87.7/57

In: -0.501+/-0.312 χ^2/NDF:62.9/50

Out: -0.433+/-0.305 χ^2/NDF:117.4/54

All: -0.466+/-0.218 χ^2/NDF: 180.4/105

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2113.028+/-0.399 χ^2/NDF: 2985259.0/25

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

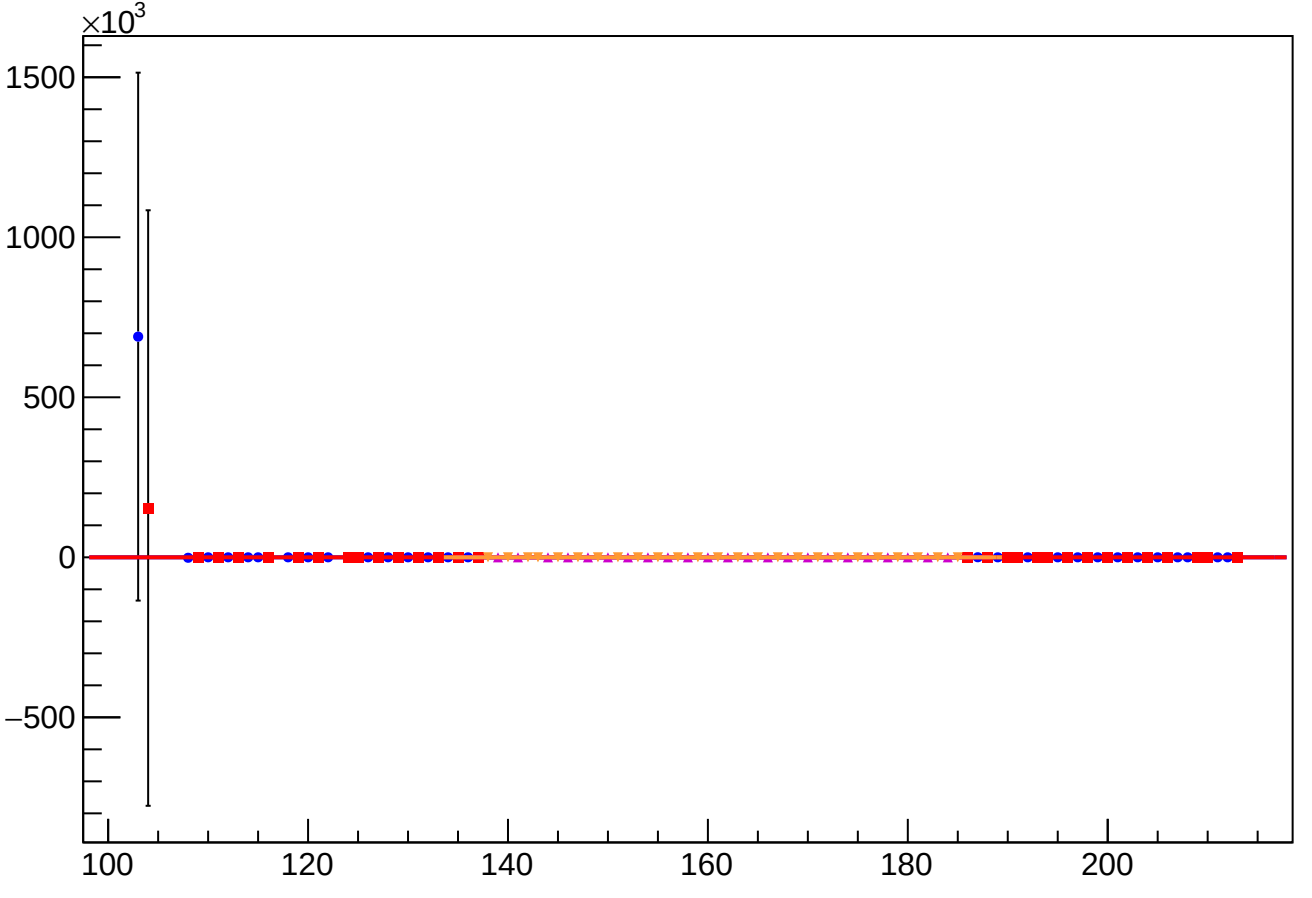
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2151.045+/-0.282 χ^2/NDF: 6289828.4/54

In: 1754.280+/-0.221 χ^2/NDF:4347685.5/48

Out: 1764.610+/-0.216 χ^2/NDF:5113769.3/53

All: 1759.555+/-0.154 χ^2/NDF: 9462574.5/10



Right In: -0.036+/-0.405 χ^2/NDF: 27.1/27

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

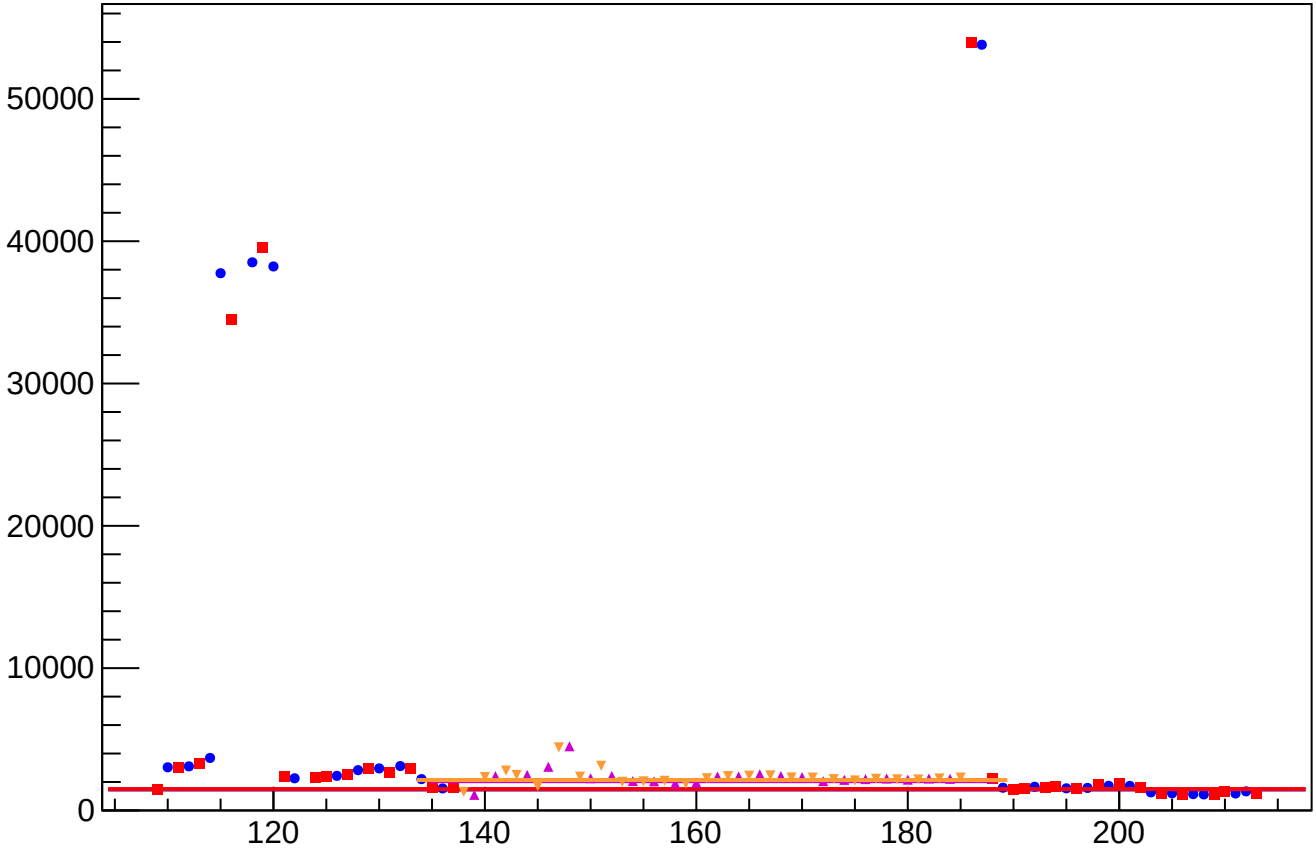
Right: 0.306+/-0.285 χ^2/NDF: 64.7/57

In: -0.071+/-0.315 χ^2/NDF:44.0/50

Out: -0.066+/-0.313 χ^2/NDF:68.5/54

All: -0.069+/-0.222 χ^2/NDF: 112.6/105

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1475.479+/-0.286 χ^2/NDF: 4514522.2/25

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

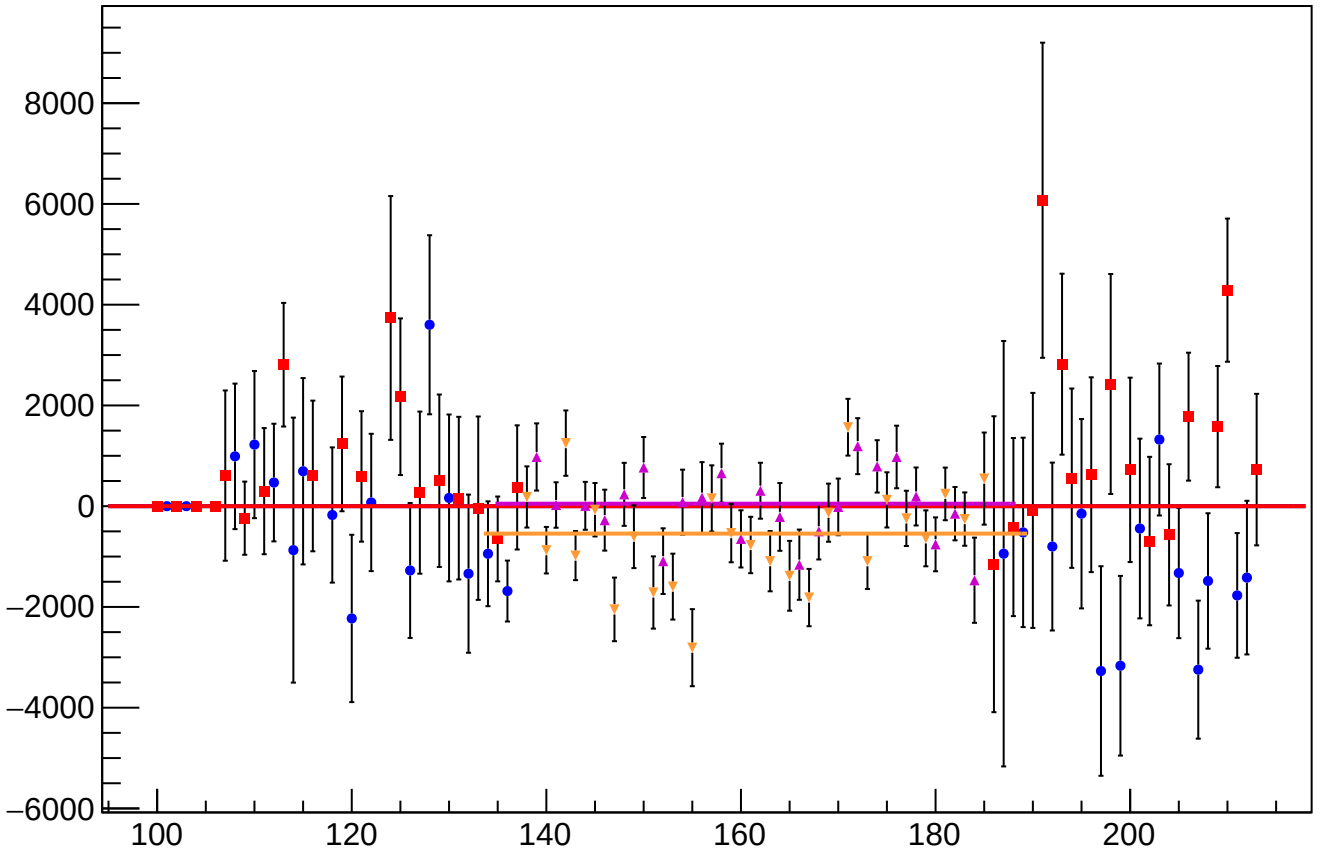
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

Right: 1487.919+/-0.201 χ^2/NDF: 9260873.2/54

In: 1705.592+/-0.223 χ^2/NDF:8443844.1/48

Out: 1748.386+/-0.221 χ^2/NDF:8201618.5/53

All: 1727.112+/-0.157 χ^2/NDF: 16664027.0/



Right In: 0.254+/-0.356 χ^2/NDF: 35.4/28

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

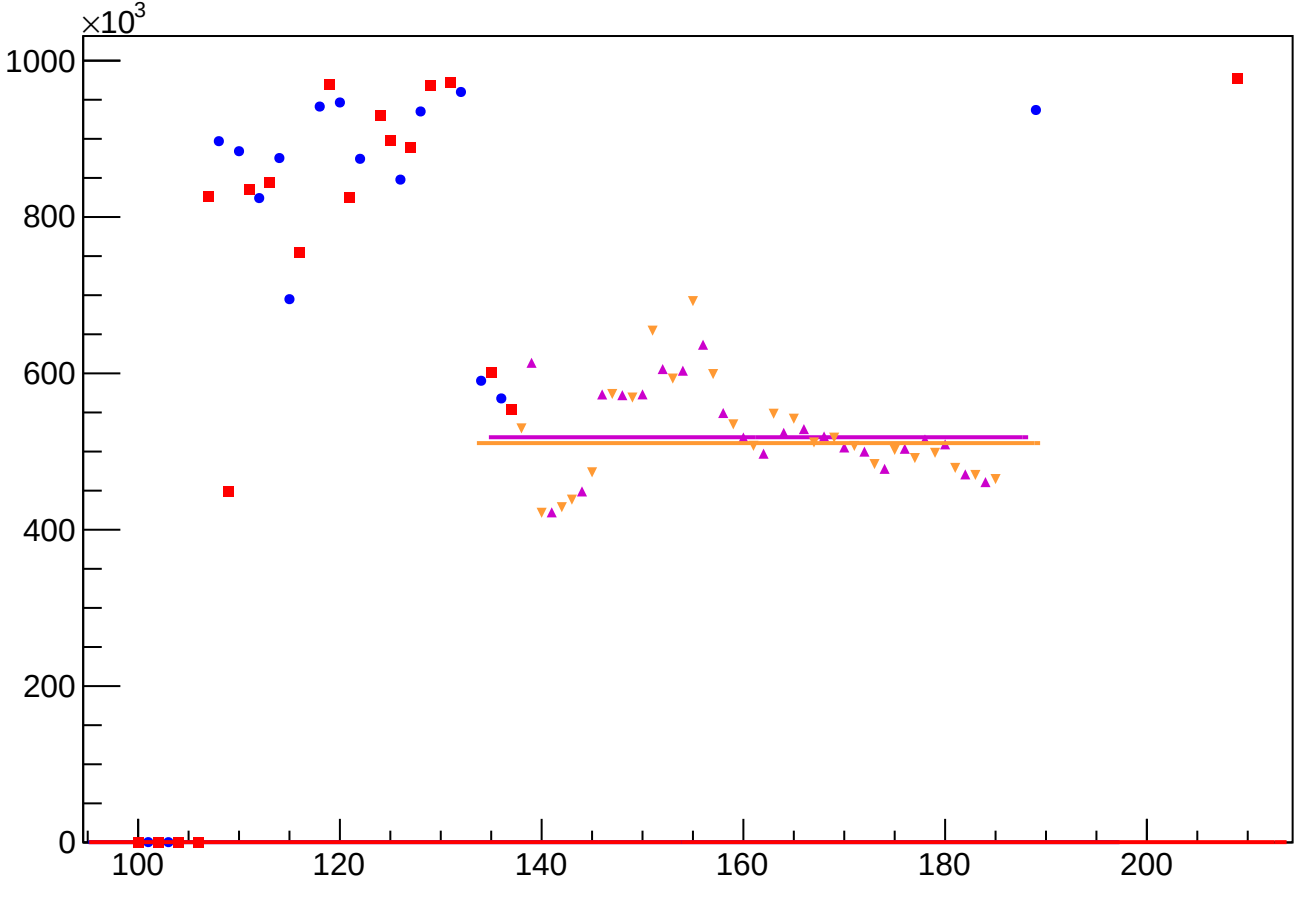
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 72.7/62

In: 0.255+/-0.356 χ^2/NDF:63.5/51

Out: -0.099+/-0.328 χ^2/NDF:119.3/58

All: 0.063+/-0.241 χ^2/NDF: 183.3/110



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

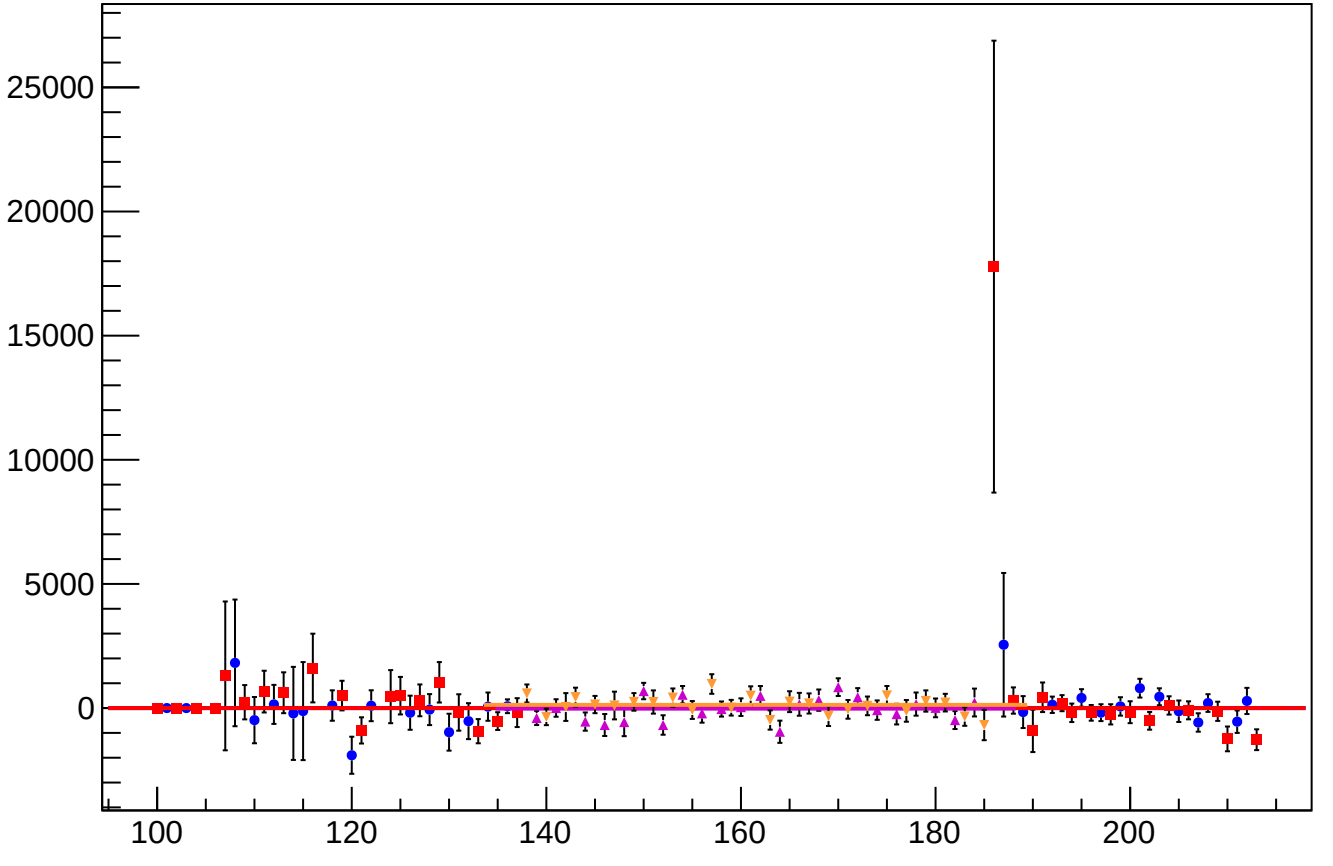
Right: 395.838+/-0.170 χ^2/NDF: 16370006.0/34

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: 24.0/28

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

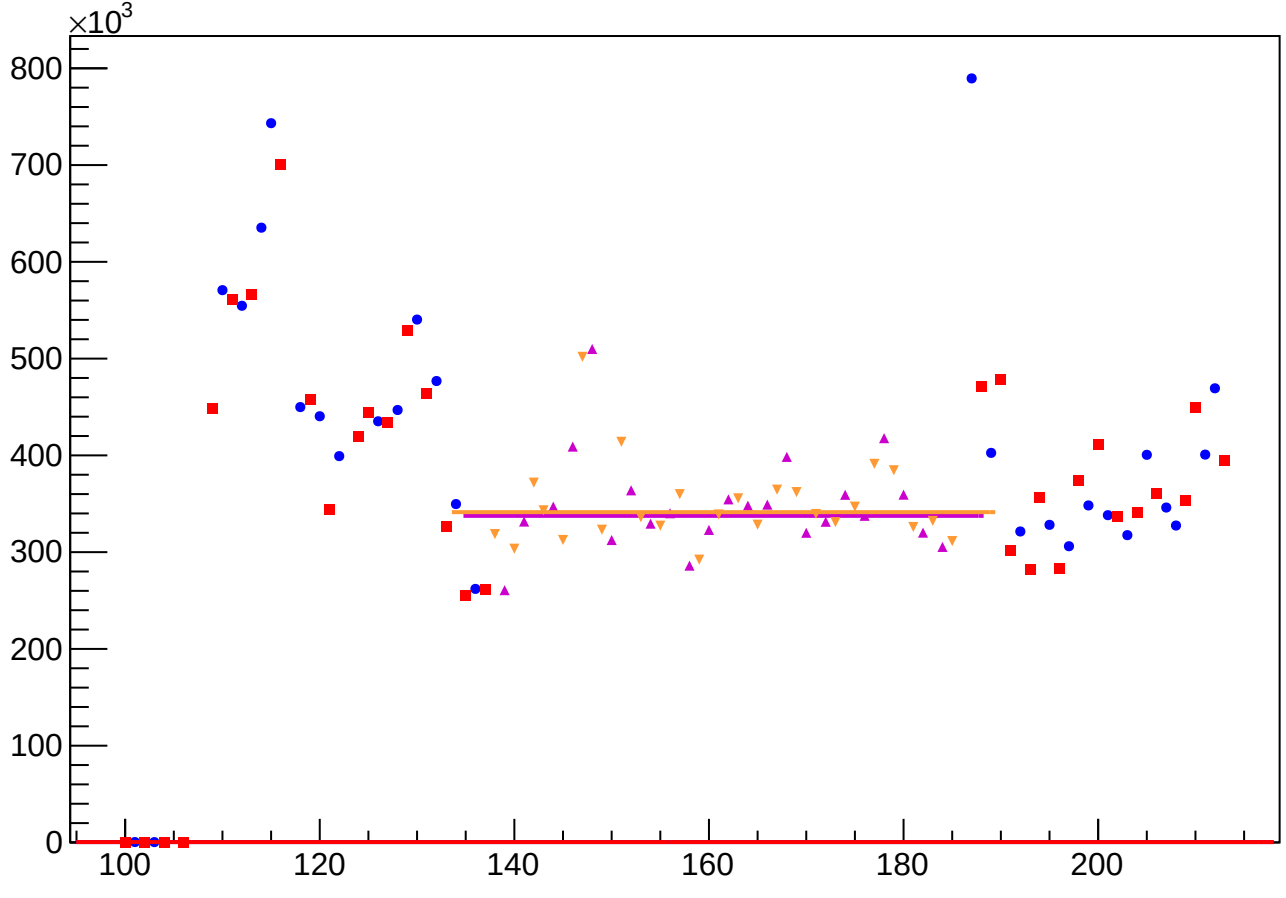
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 65.7/62

In: -0.020+/-0.347 χ^2/NDF:57.8/51

Out: -0.599+/-0.324 χ^2/NDF:63.0/58

All: -0.329+/-0.237 χ^2/NDF: 122.2/110



Right In: 393.612+/-0.245 χ^2/NDF: 30536885.6/27

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

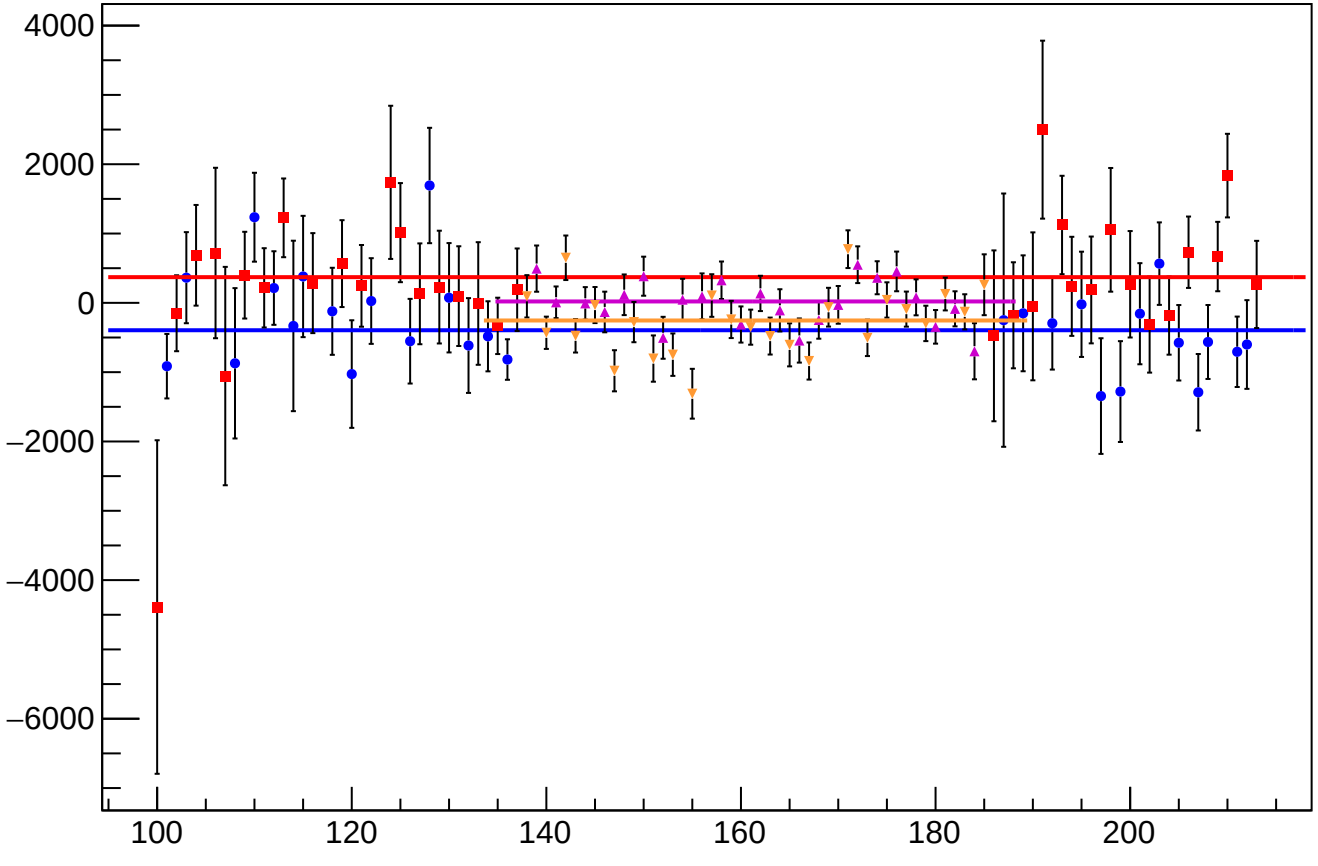
Right: 392.279+/-0.167 χ^2/NDF: 63167544.6/59

In: 399.994+/-0.245 χ^2/NDF:66854799.3/50

Out: 396.957+/-0.229 χ^2/NDF:71001423.6/56

All: 398.370+/-0.167 χ^2/NDF: 137856304.8/

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -395.153+/-114.502 χ^2/NDF: 30.8/28

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 370.791+/-118.268 χ^2/NDF: 28.7/33

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

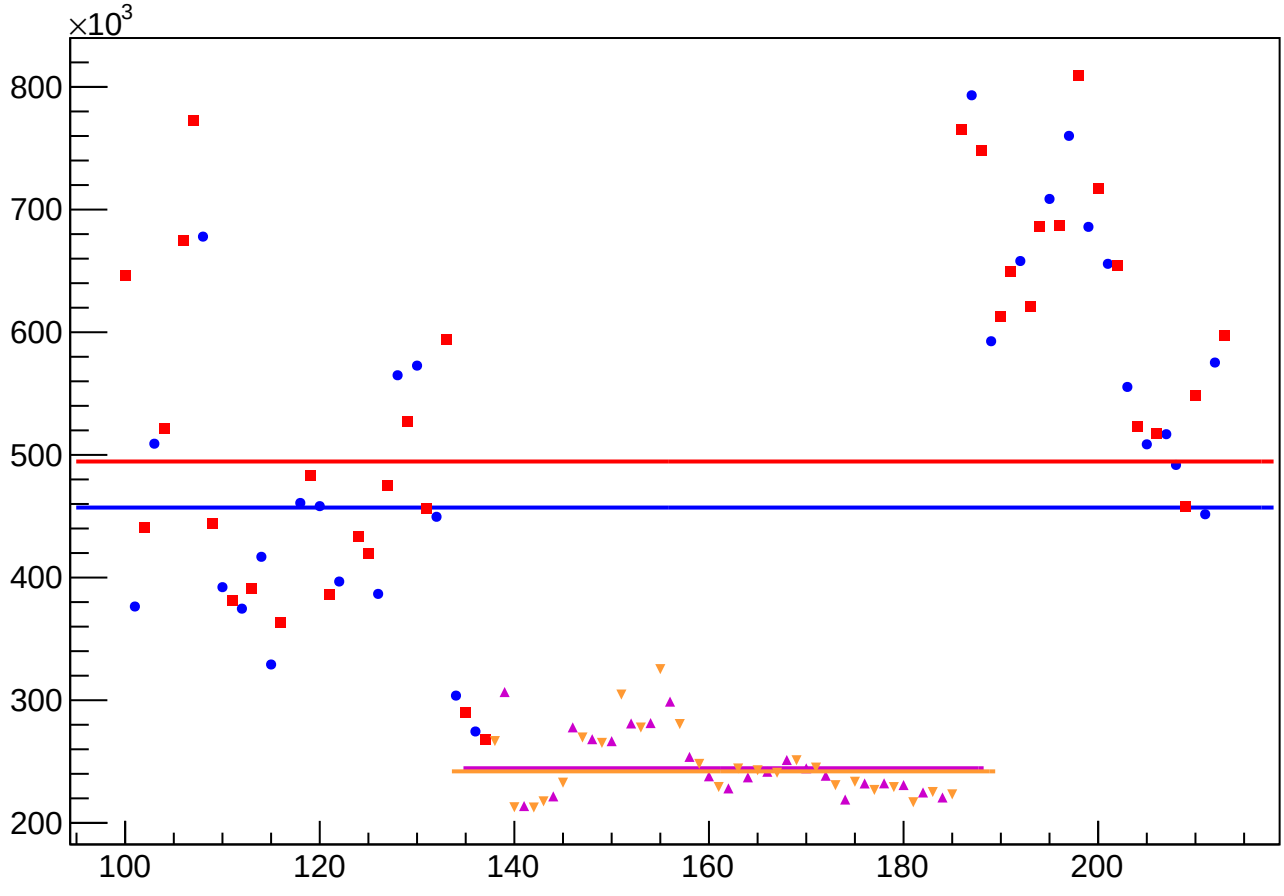
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -24.570+/-82.265 χ^2/NDF: 81.1/62

In: -63.431+/-51.373 χ^2/NDF:69.9/51

Out: -141.821+/-50.182 χ^2/NDF:112.9/58

All: -103.546+/-35.898 χ^2/NDF: 184.0/110



Right In: 457077.773+/-80.979 χ^2/NDF: 2658406.9/28

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

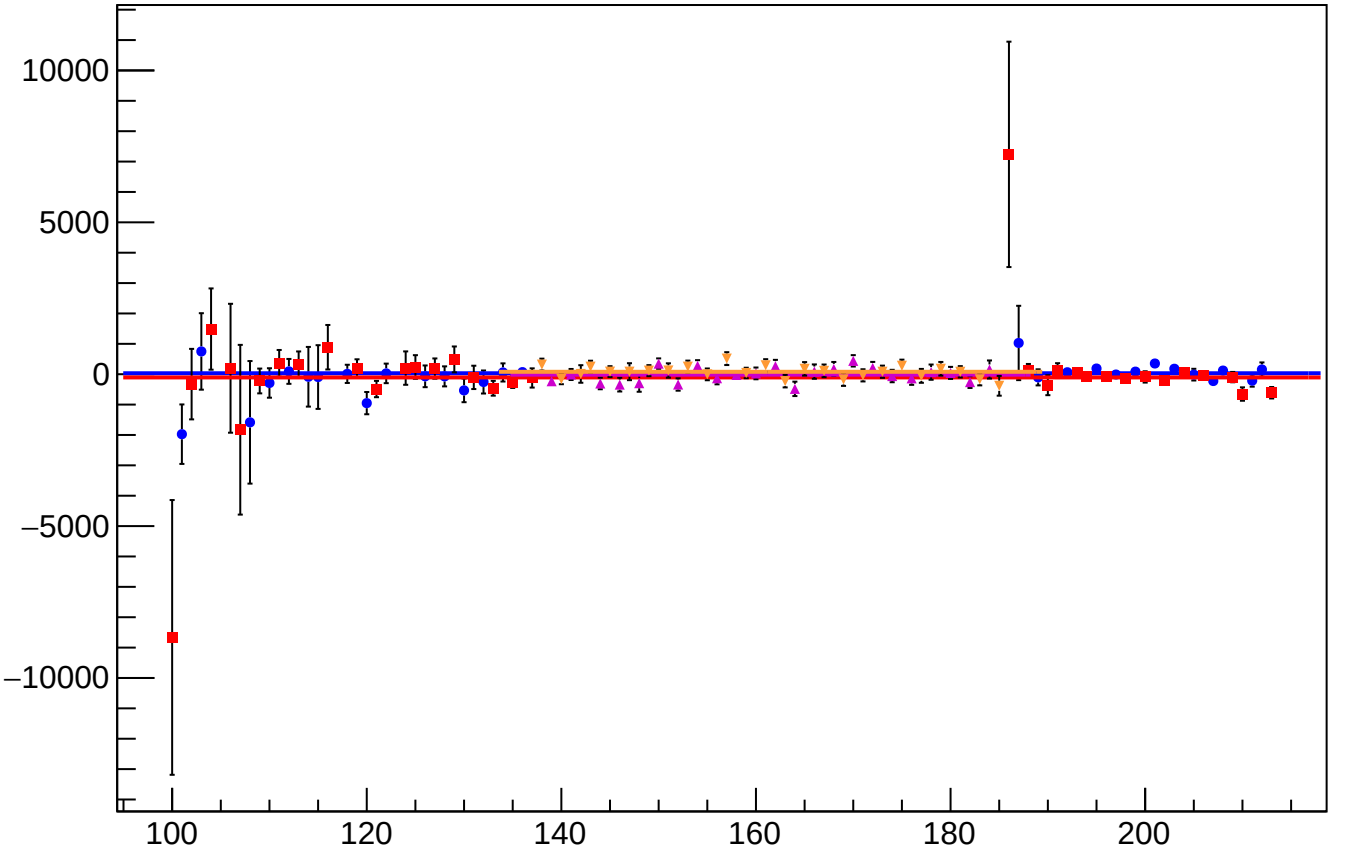
Right: 475227.283+/-58.204 χ^2/NDF: 5344945.6/62

In: 287314.768+/-36.328 χ^2/NDF:8522046.9/51

Out: 287411.883+/-35.490 χ^2/NDF:10465172.5/58

All: 287364.458+/-25.386 χ^2/NDF: 1898722

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: 31.263+/-41.451 χ^2/NDF: 27.9/28

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

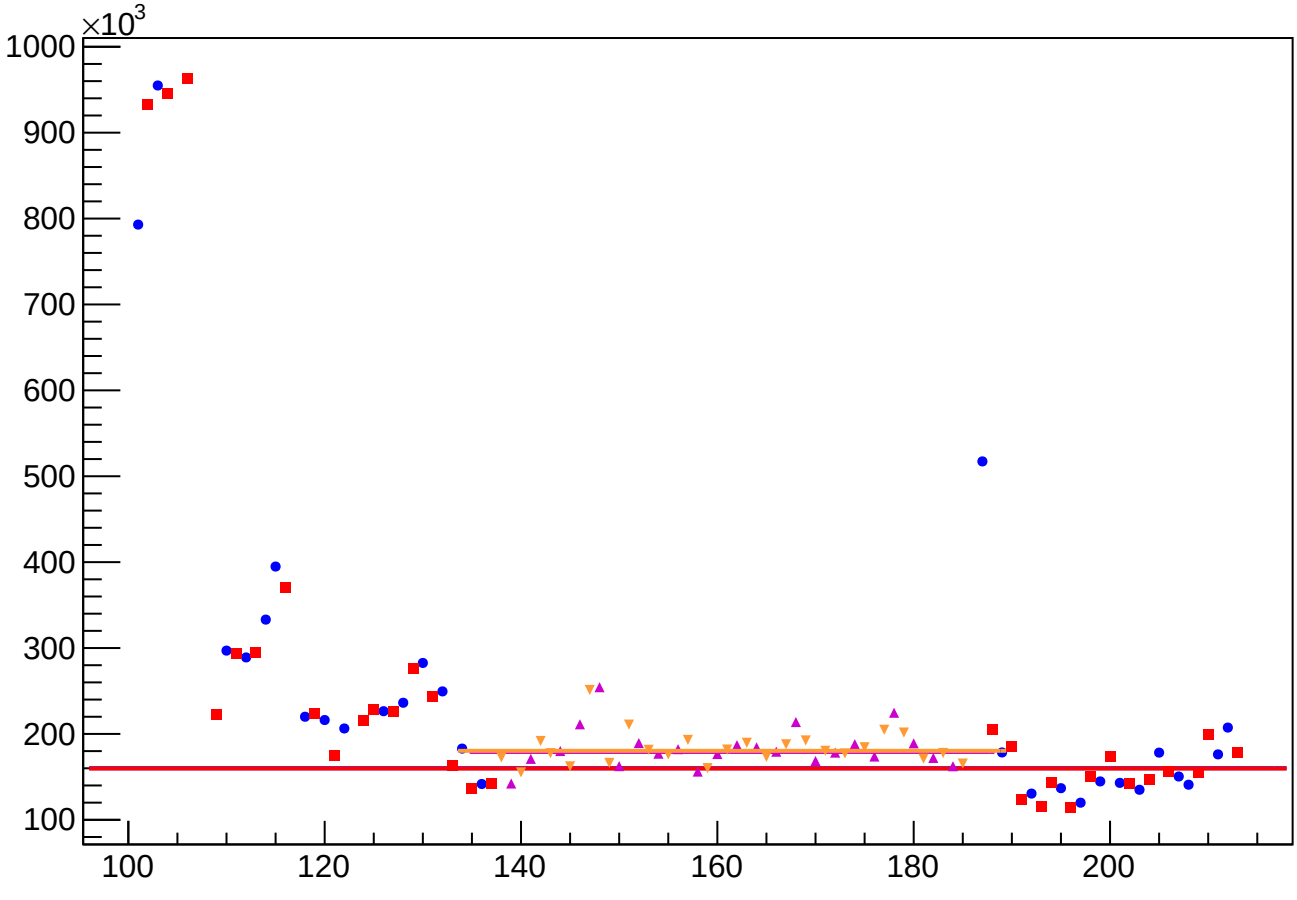
Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

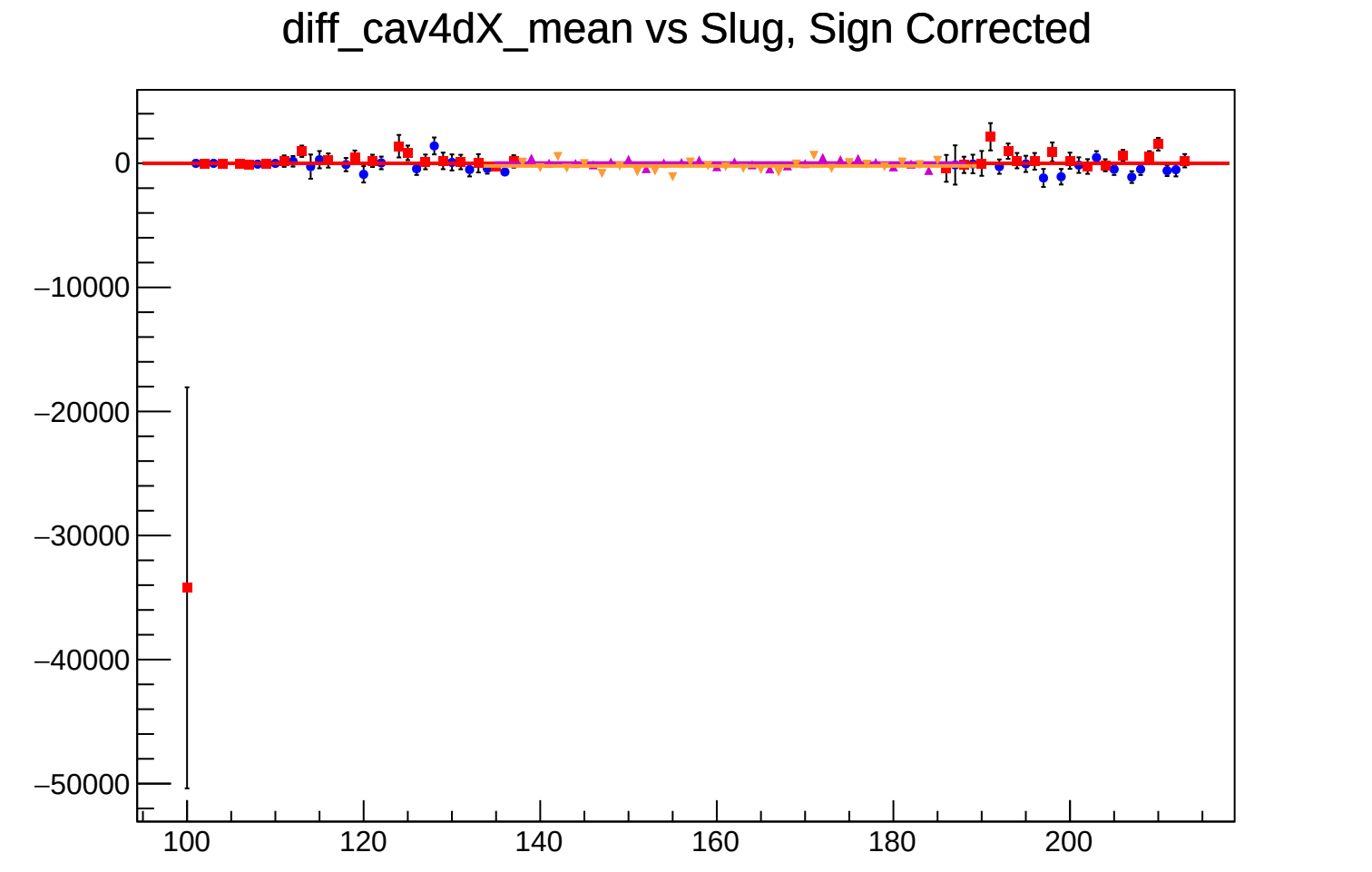
Right: -39.285+/-28.912 χ^2/NDF: 75.4/62

In: 9.039+/-29.583 χ^2/NDF:61.6/51

Out: -15.483+/-28.861 χ^2/NDF:71.9/58

All: -3.525+/-20.658 χ^2/NDF: 133.9/110


diff_cav4cY_rms vs Slug, Sign Corrected
×10^3
1000
900
800
700
600
500
400
300
200
100
100
120
140
160
180
200
Right In: 160037.890+/-29.322 χ²/NDF: 3358819.4/27
Left Out: 180342.867+/-29.204 χ²/NDF:346596.9/24
Right Out: 159793.592+/-28.546 χ²/NDF: 3359986.7/30
Left In: 179024.195+/-29.863 χ²/NDF:501400.7/22
Left: 179698.251+/-20.880 χ²/NDF: 848994.3/47
Right: 159912.468+/-20.454 χ²/NDF: 6718841.7/58
In: 169357.261+/-20.922 χ²/NDF:4066022.5/50
Out: 169834.220+/-20.414 χ²/NDF:3959781.0/55
All: 169601.609+/-14.611 χ²/NDF: 8026069.8



Right In: -0.036+/-0.172 χ^2/NDF: 35.2/28

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

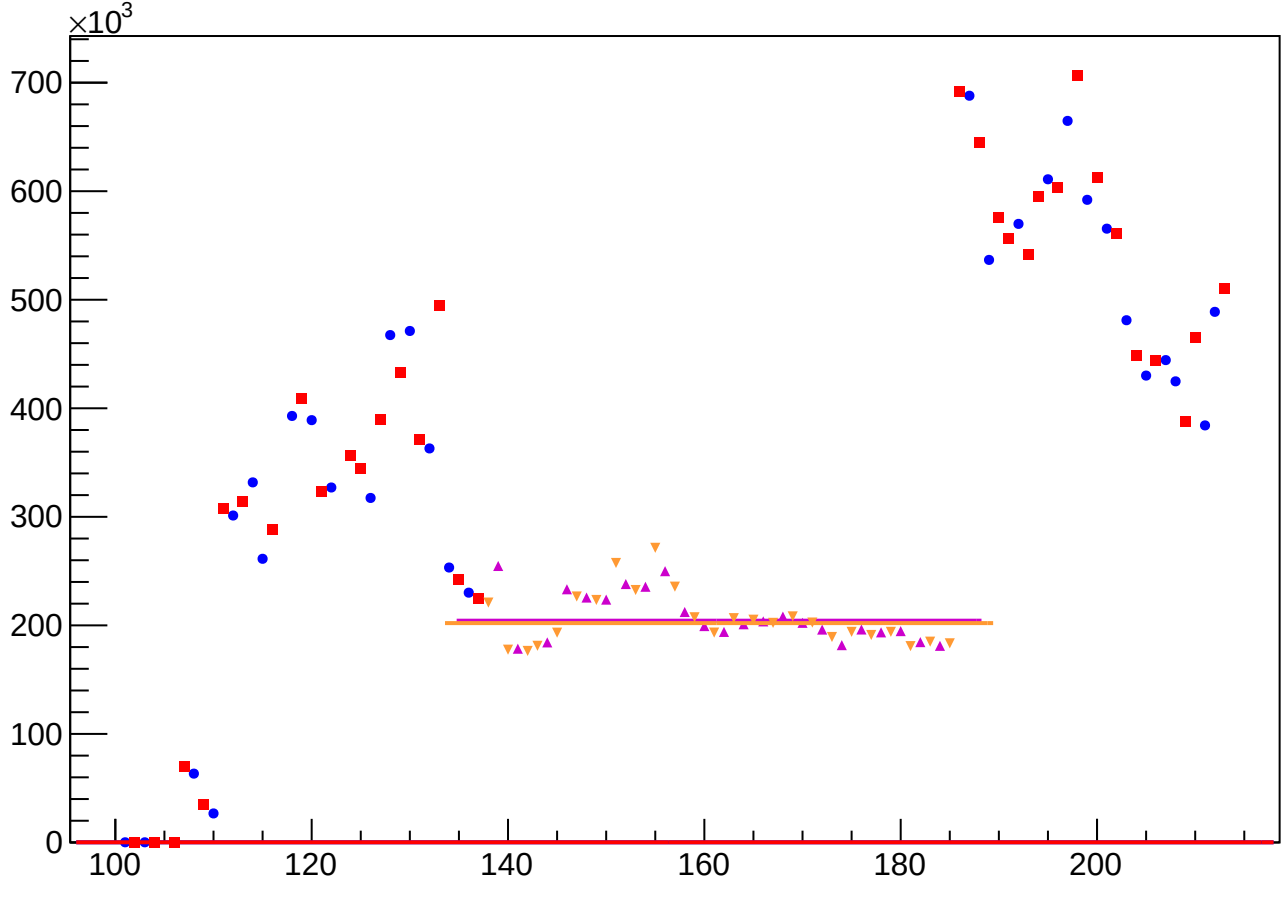
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 76.0/62

In: -0.035+/-0.172 χ^2/NDF:64.0/51

Out: 0.353+/-0.160 χ^2/NDF:119.9/58

All: 0.173+/-0.117 χ^2/NDF: 186.6/110



Right In: 149.687+/-0.122 χ^2/NDF: 31575624.6/28

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

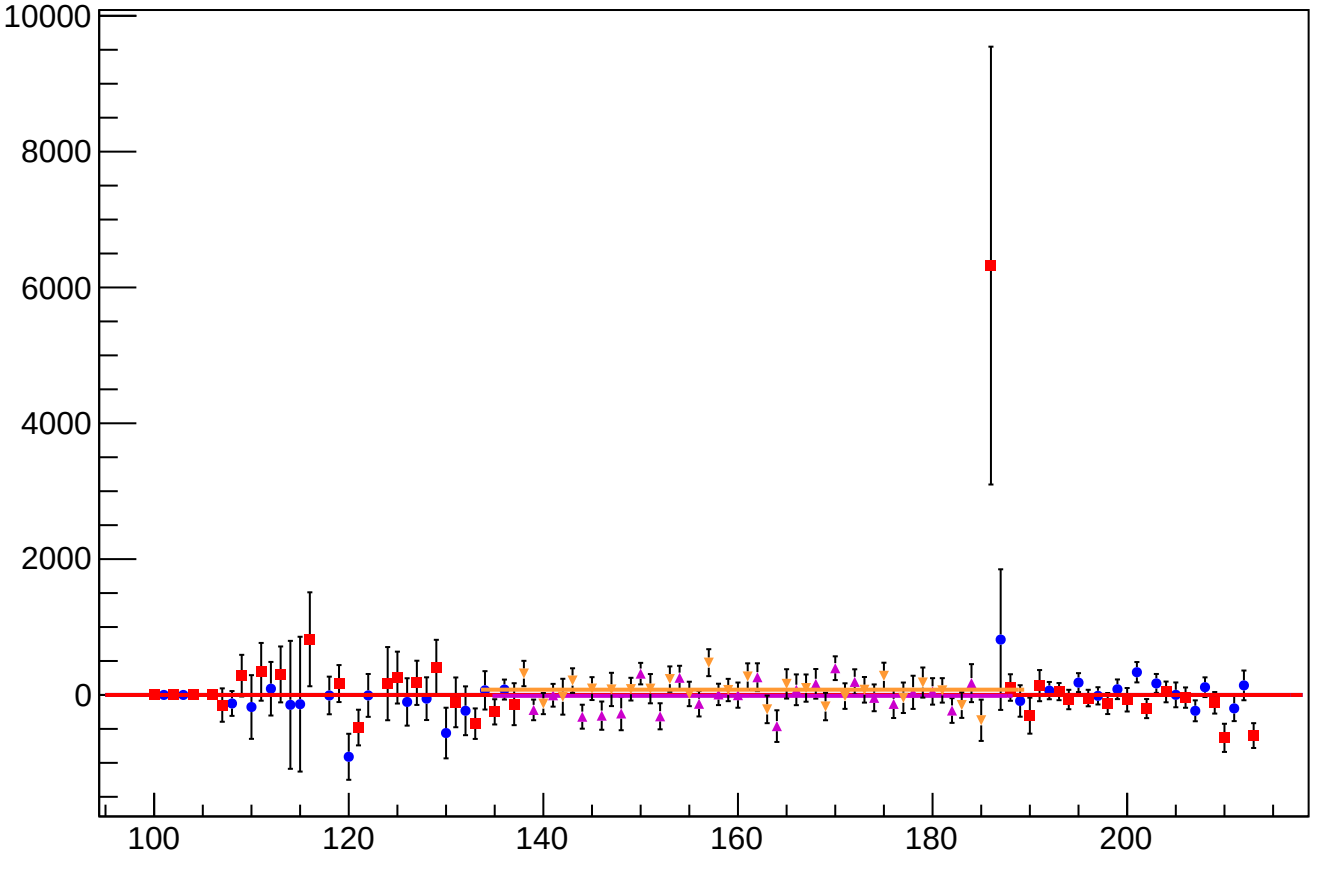
Right: 149.818+/-0.083 χ^2/NDF: 65825858.7/61

In: 152.313+/-0.122 χ^2/NDF:68078233.8/51

Out: 152.347+/-0.113 χ^2/NDF:72745861.3/57

All: 152.331+/-0.083 χ^2/NDF: 140824095.2/

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.177 χ^2/NDF: 25.2/28

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

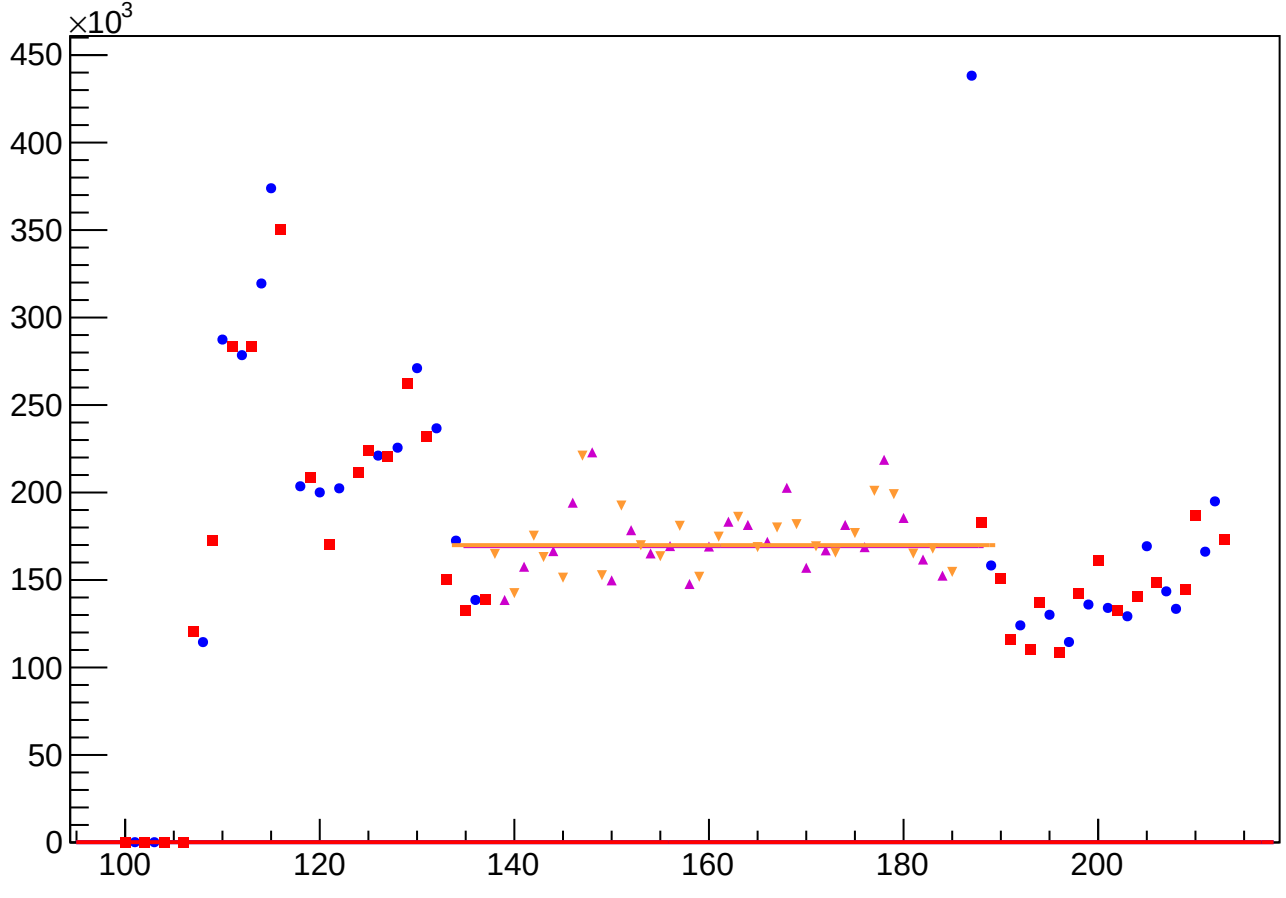
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 70.4/62

In: -0.067+/-0.177 χ^2/NDF:57.9/51

Out: -0.126+/-0.166 χ^2/NDF:68.2/58

All: -0.099+/-0.121 χ^2/NDF: 126.2/110



Right In: 155.661+/-0.125 χ^2/NDF: 31805391.6/28

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

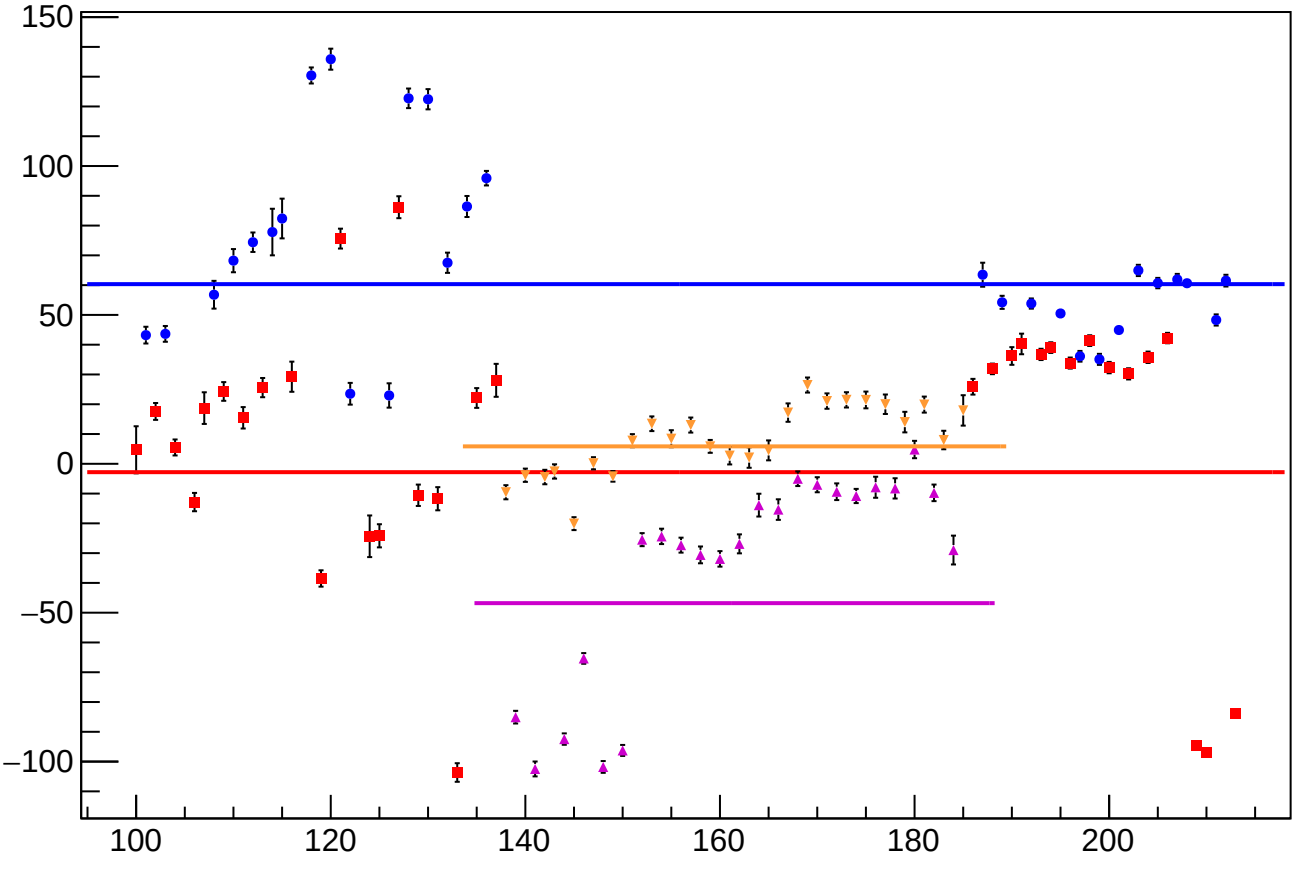
Right: 157.044+/-0.086 χ^2/NDF: 64924637.8/61

In: 158.995+/-0.125 χ^2/NDF:68190533.3/51

Out: 161.371+/-0.118 χ^2/NDF:71529084.6/57

All: 160.257+/-0.086 χ^2/NDF: 139719808.9/1

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 60.333+/-0.440 χ^2/NDF: 2959.0/28

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

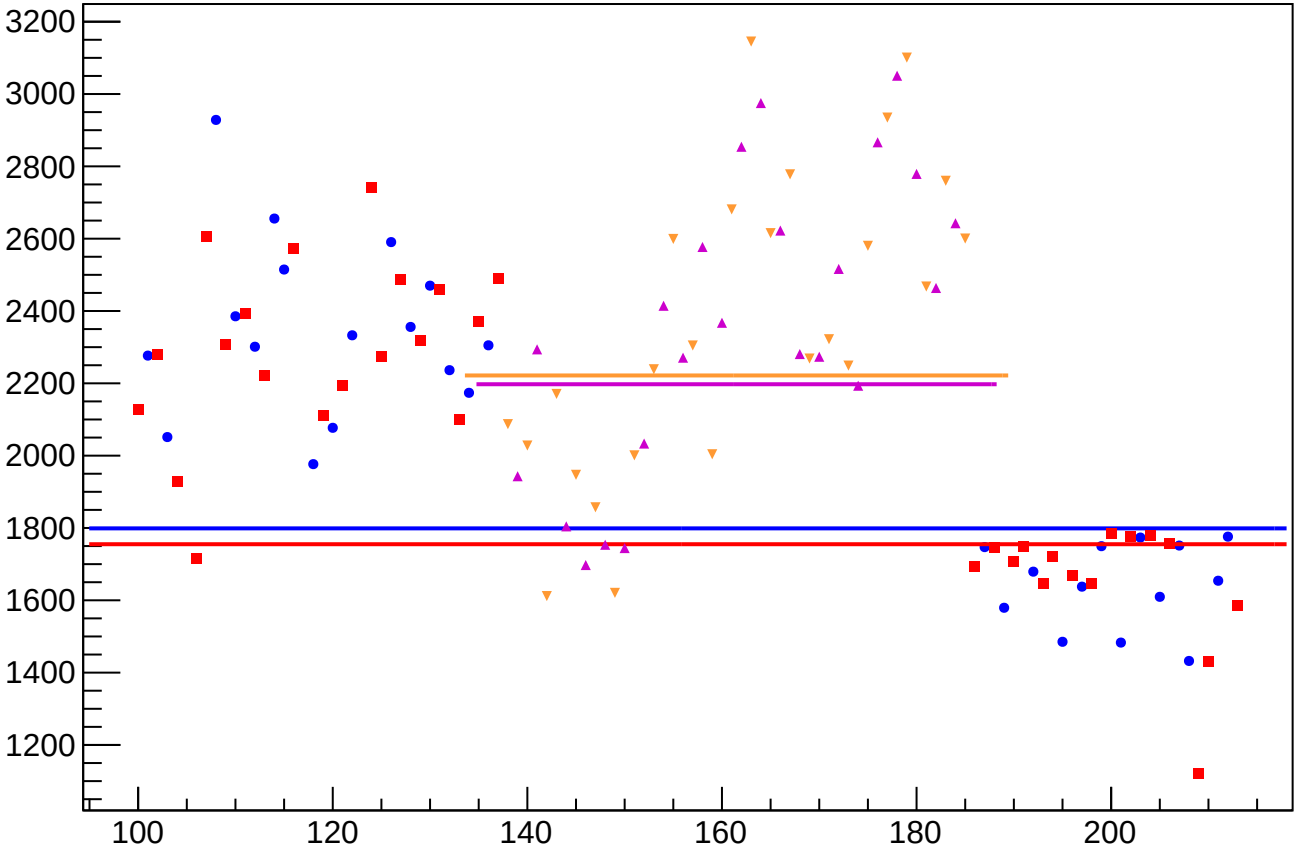
Right: 26.648+/-0.301 χ^2/NDF: 32596.5/62

In: 16.039+/-0.337 χ^2/NDF:32604.9/51

Out: 0.577+/-0.321 χ^2/NDF:19377.3/58

All: 7.935+/-0.233 χ^2/NDF: 53083.9/110

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1798.897+/-0.311 χ^2/NDF: 1086211.6/28

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

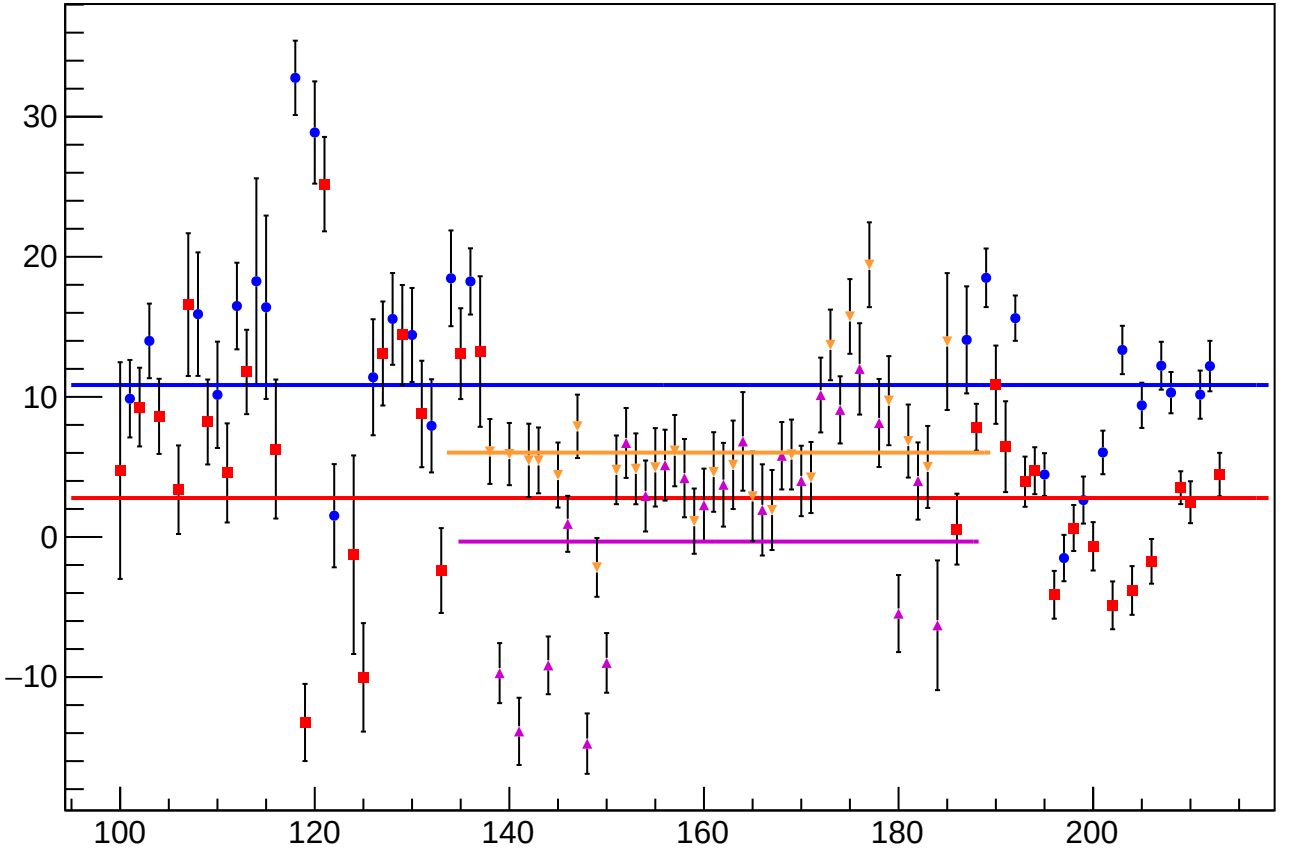
Right: 1775.524+/-0.213 χ^2/NDF: 2574099.0/62

In: 1963.694+/-0.238 χ^2/NDF:2868329.7/51

Out: 1937.534+/-0.227 χ^2/NDF:3665612.3/58

All: 1949.984+/-0.165 χ^2/NDF: 6540248.6/11

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 10.847+/-0.414 χ^2/NDF: 259.7/28

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

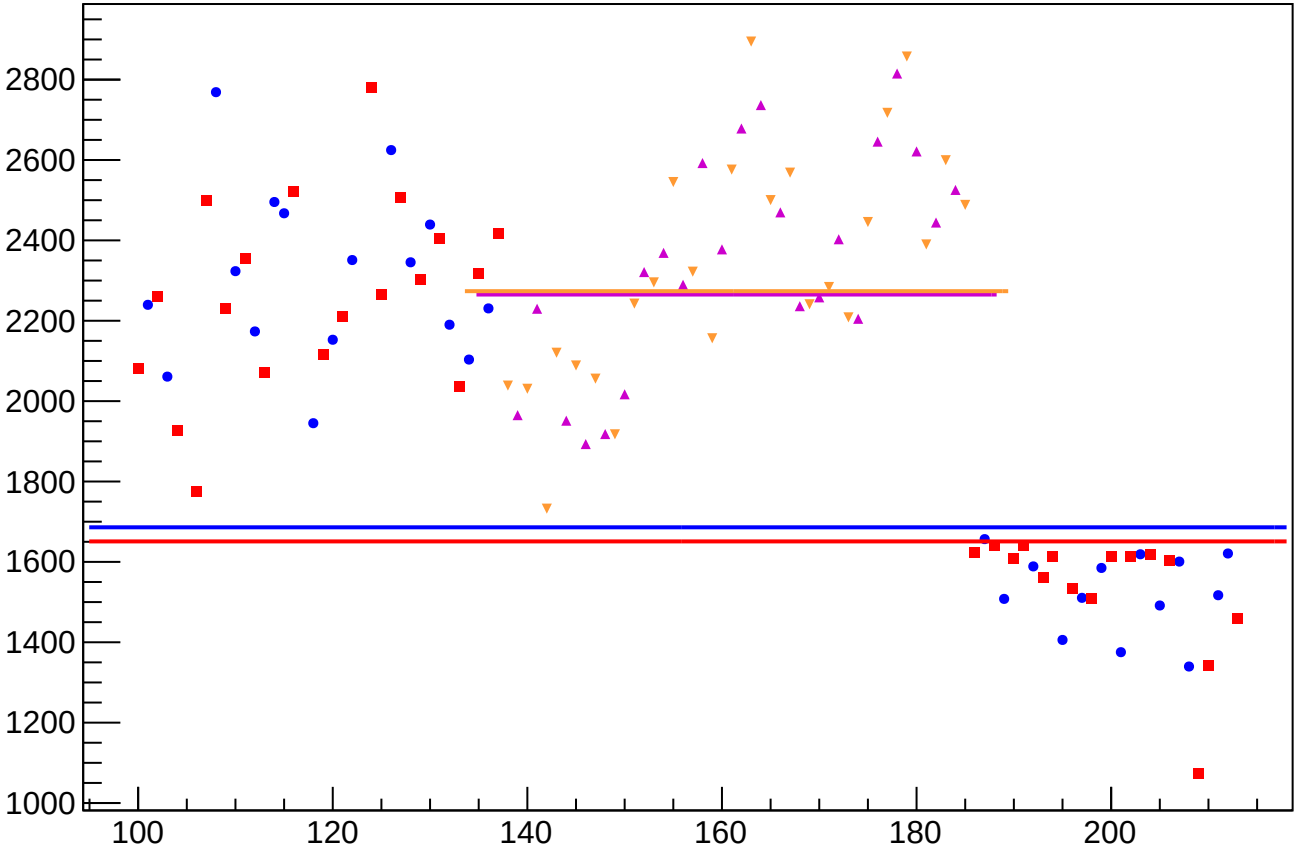
Right: 6.556+/-0.283 χ^2/NDF: 706.8/62

In: 6.659+/-0.327 χ^2/NDF:757.9/51

Out: 3.938+/-0.311 χ^2/NDF:341.7/58

All: 5.230+/-0.226 χ^2/NDF: 1135.8/110

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1686.046+/-0.293 χ^2/NDF: 1351518.3/28

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

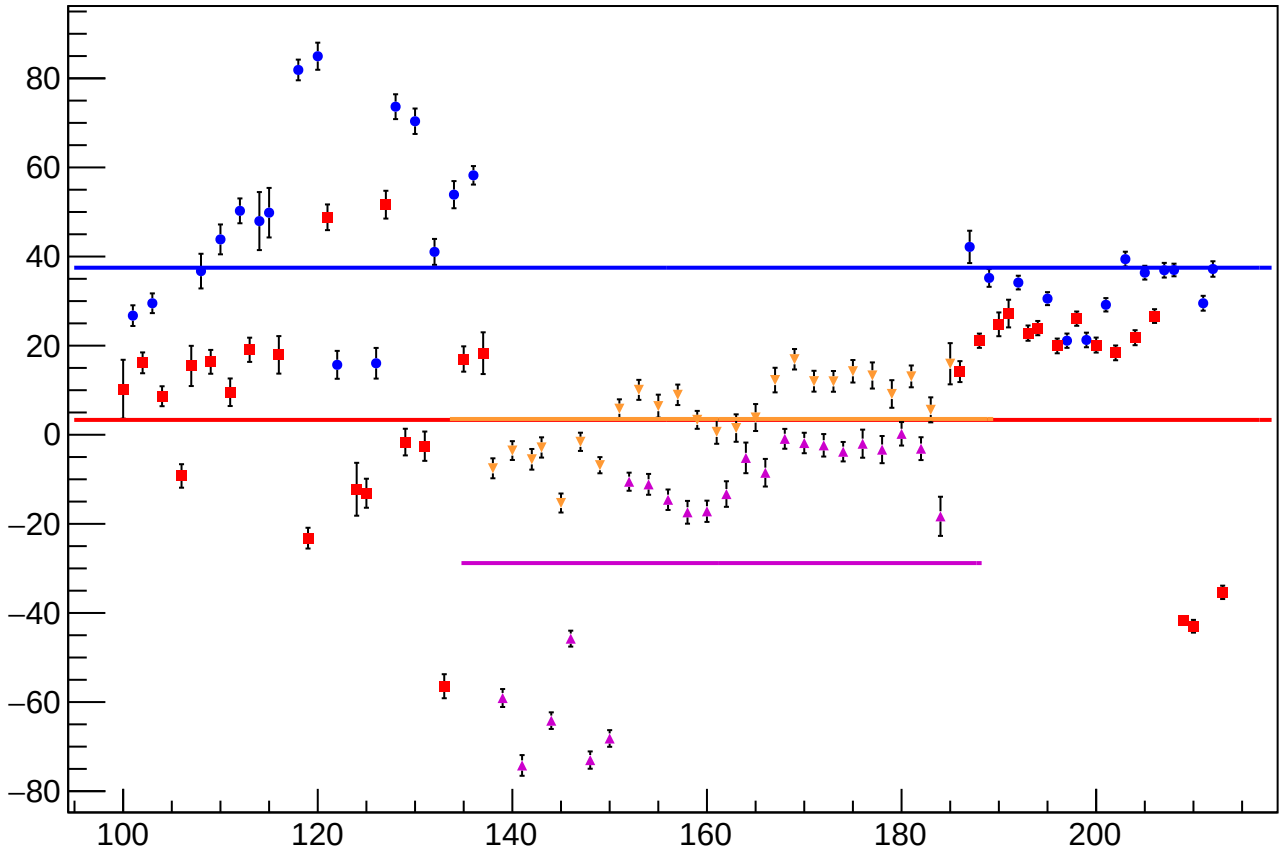
Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

Right: 1667.387+/-0.200 χ^2/NDF: 3051498.9/62

In: 1903.108+/-0.231 χ^2/NDF:3315365.6/51

Out: 1873.339+/-0.220 χ^2/NDF:4066744.8/58

All: 1887.477+/-0.159 χ^2/NDF: 7390799.8/11



Right In: 37.494+/-0.387 χ^2/NDF: 1481.5/28

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

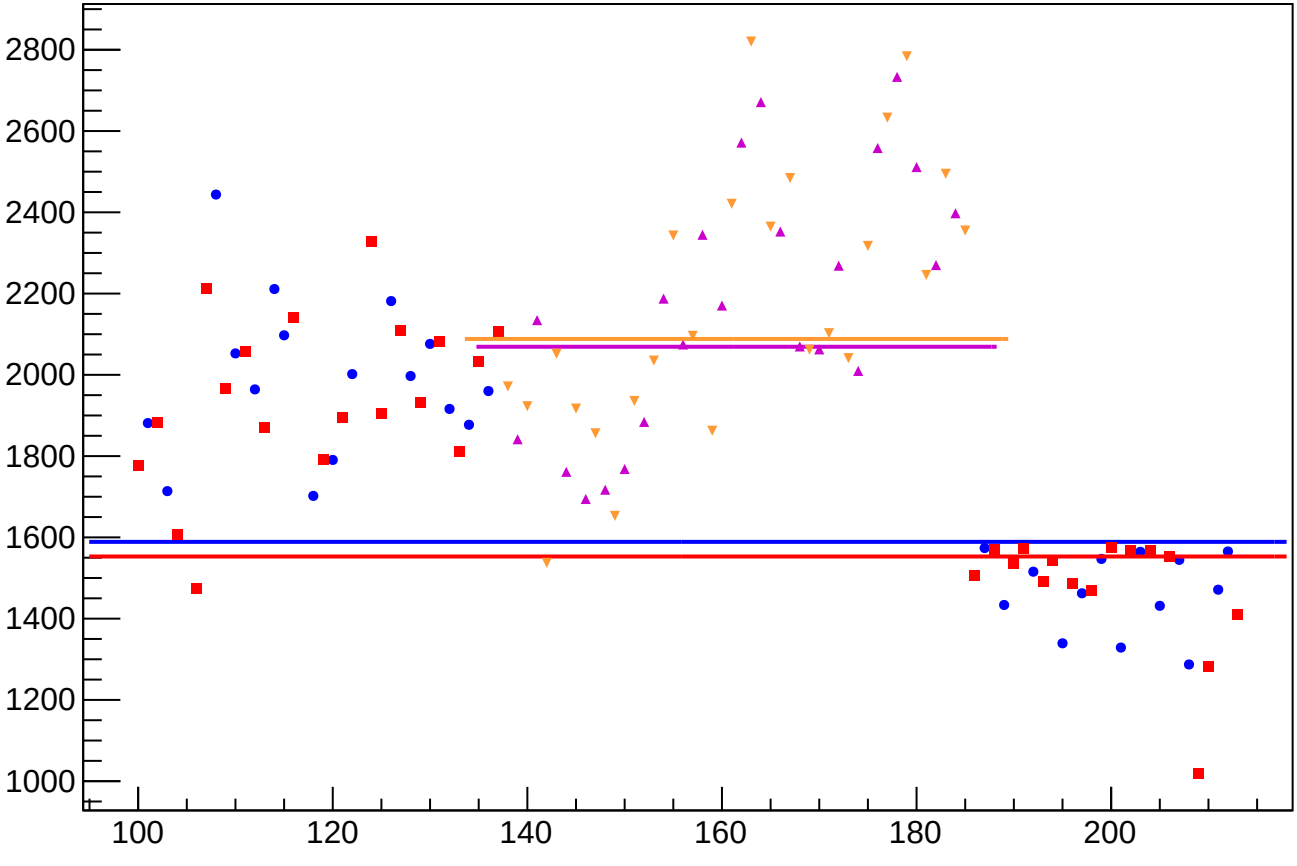
Right: 19.300+/-0.265 χ^2/NDF: 11683.9/62

In: 12.067+/-0.304 χ^2/NDF:15990.3/51

Out: 3.409+/-0.289 χ^2/NDF:6375.8/58

All: 7.526+/-0.210 χ^2/NDF: 22791.5/110

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1588.967+/-0.274 χ^2/NDF: 832193.8/28

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

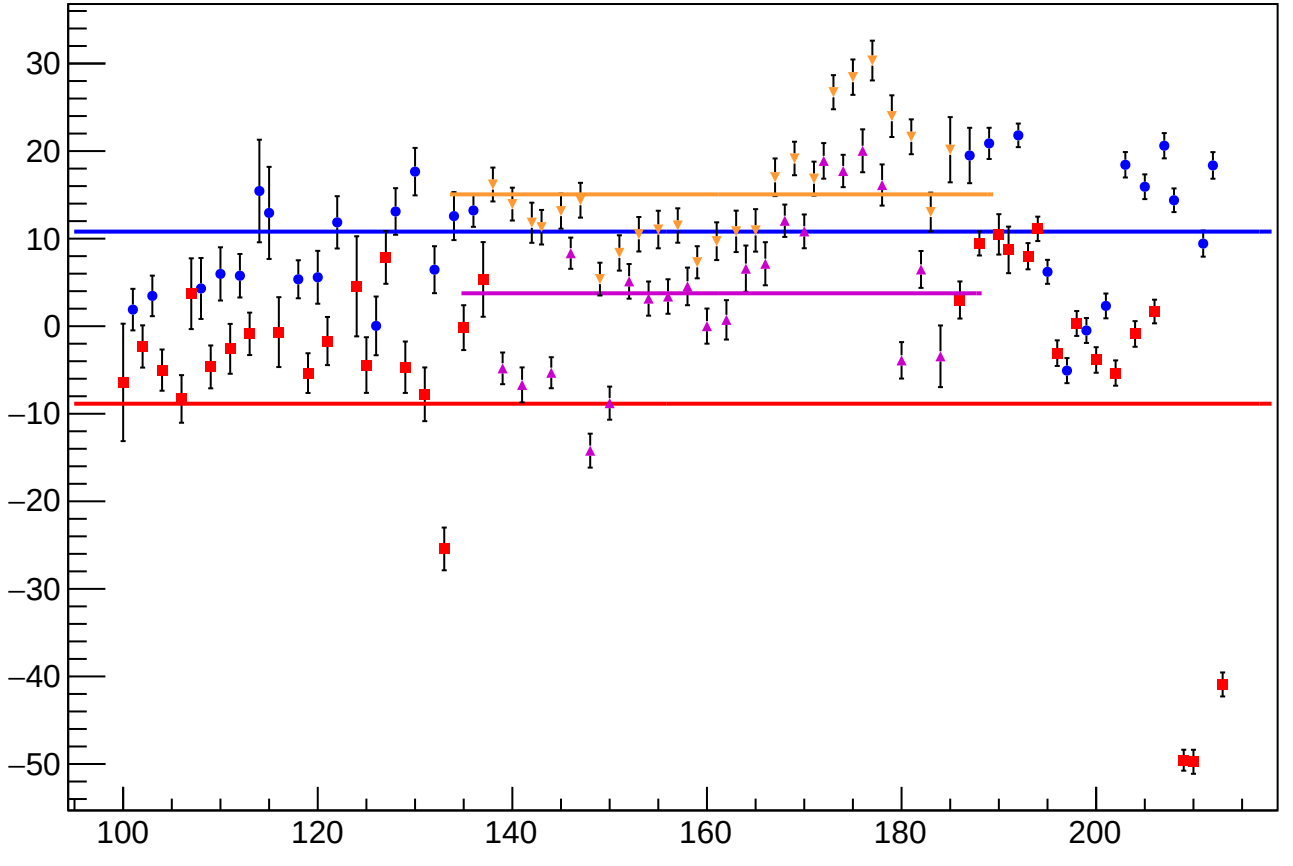
Right: 1569.784+/-0.187 χ^2/NDF: 2017396.9/62

In: 1773.120+/-0.215 χ^2/NDF:2723417.2/51

Out: 1747.400+/-0.205 χ^2/NDF:3546216.8/58

All: 1759.630+/-0.148 χ^2/NDF: 6277143.7/11

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 10.802+/-0.353 χ^2/NDF: 525.7/28

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

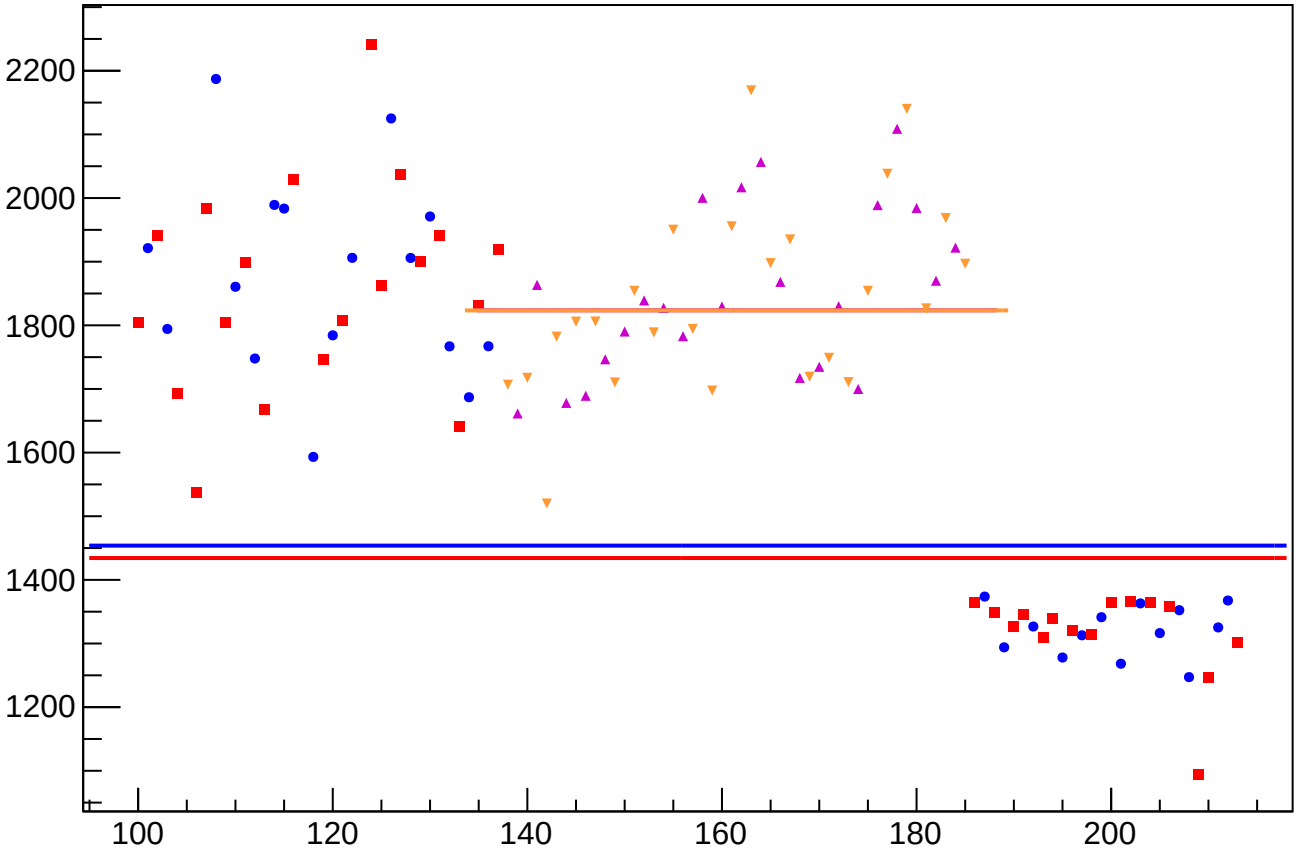
Right: 0.406+/-0.243 χ^2/NDF: 5737.6/62

In: 7.945+/-0.272 χ^2/NDF:1145.9/51

Out: 0.511+/-0.260 χ^2/NDF:5834.7/58

All: 4.056+/-0.188 χ^2/NDF: 7370.0/110

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1453.827+/-0.250 χ^2/NDF: 936058.4/28

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

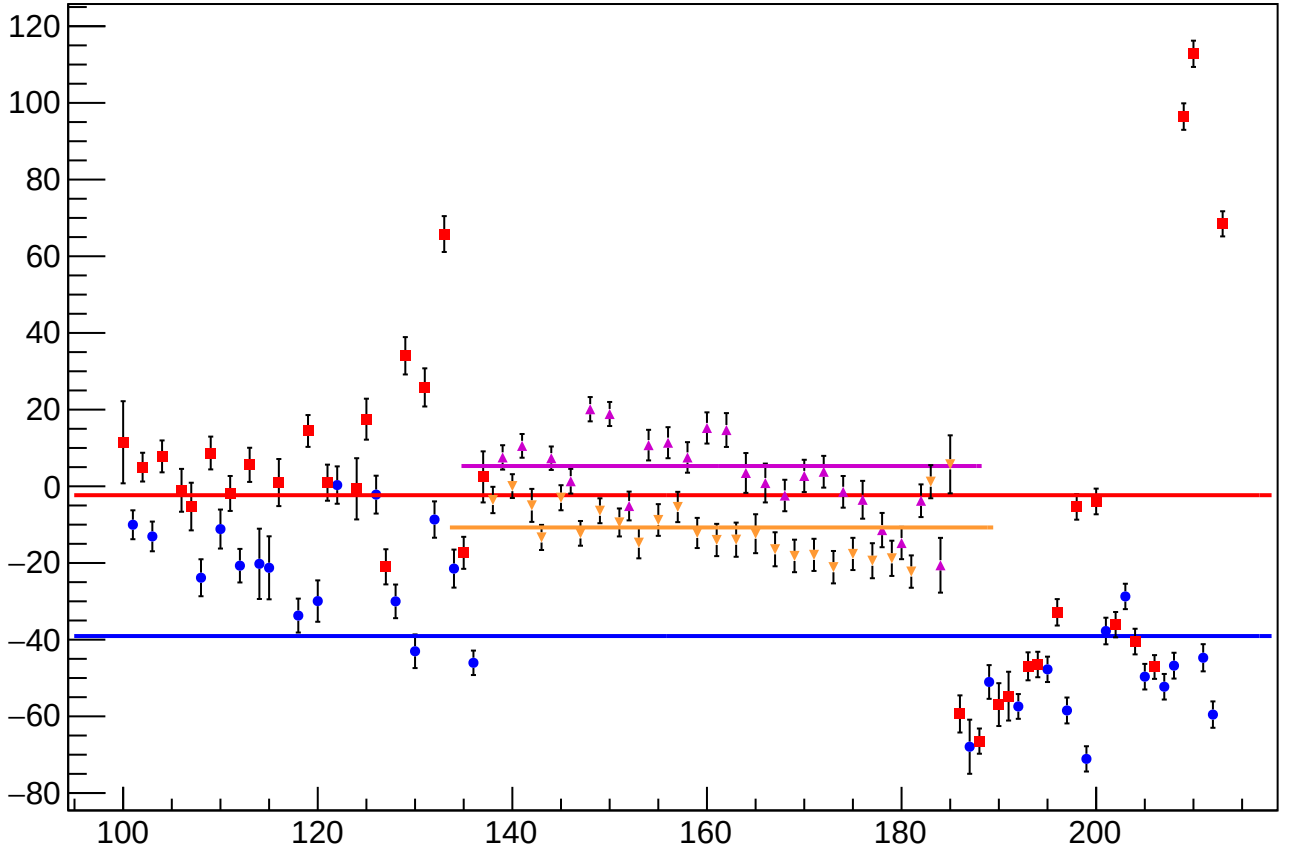
Right: 1443.519+/-0.172 χ^2/NDF: 1987631.1/62

In: 1603.827+/-0.193 χ^2/NDF:1988007.7/51

Out: 1586.741+/-0.184 χ^2/NDF:2325712.5/58

All: 1594.889+/-0.133 χ^2/NDF: 4317834.2/11

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -39.055+/-0.746 χ^2/NDF: 629.5/28

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

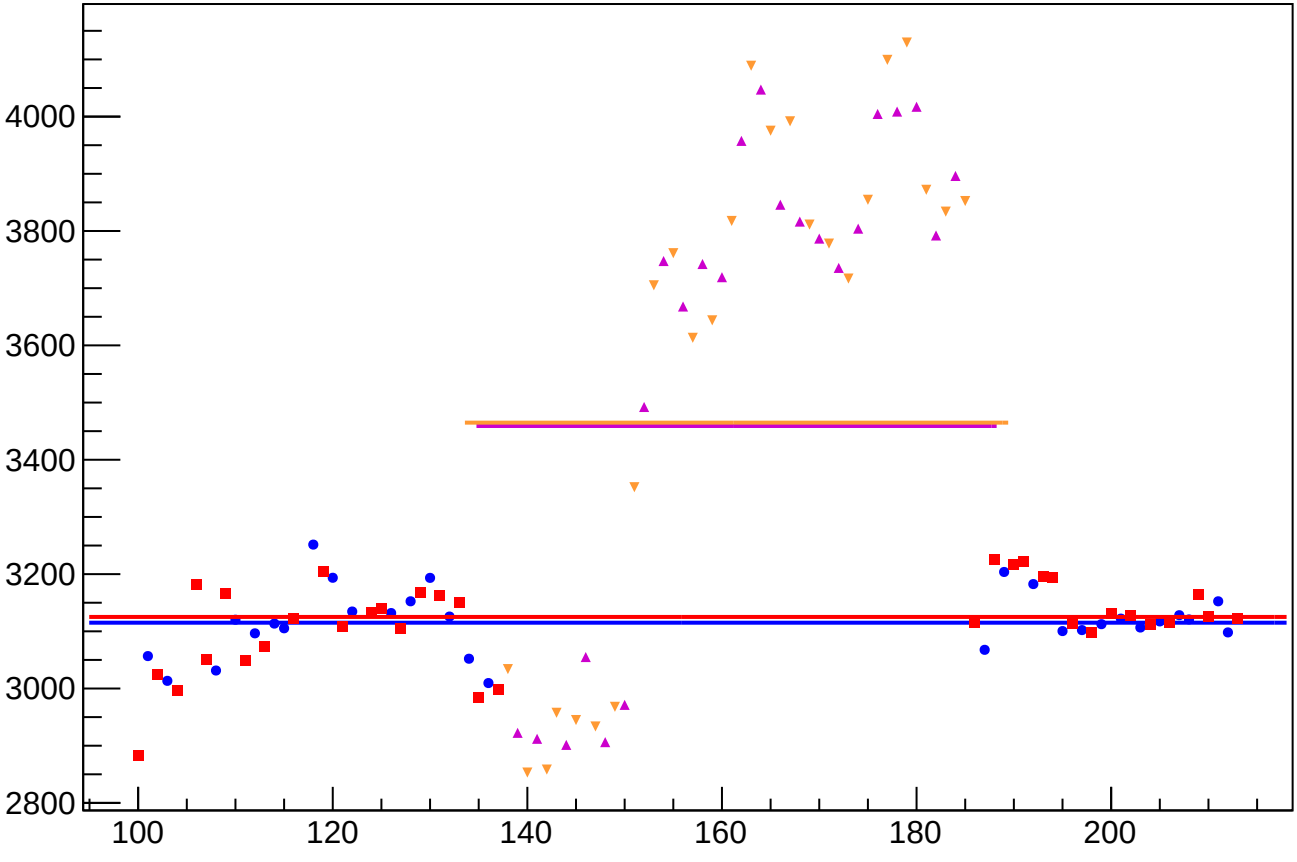
Right: -19.934+/-0.516 χ^2/NDF: 6219.0/62

In: -18.830+/-0.550 χ^2/NDF:2376.2/51

Out: -6.092+/-0.532 χ^2/NDF:4462.0/58

All: -12.244+/-0.382 χ^2/NDF: 7115.5/110

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3115.084+/-0.527 χ^2/NDF: 10374.5/28

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

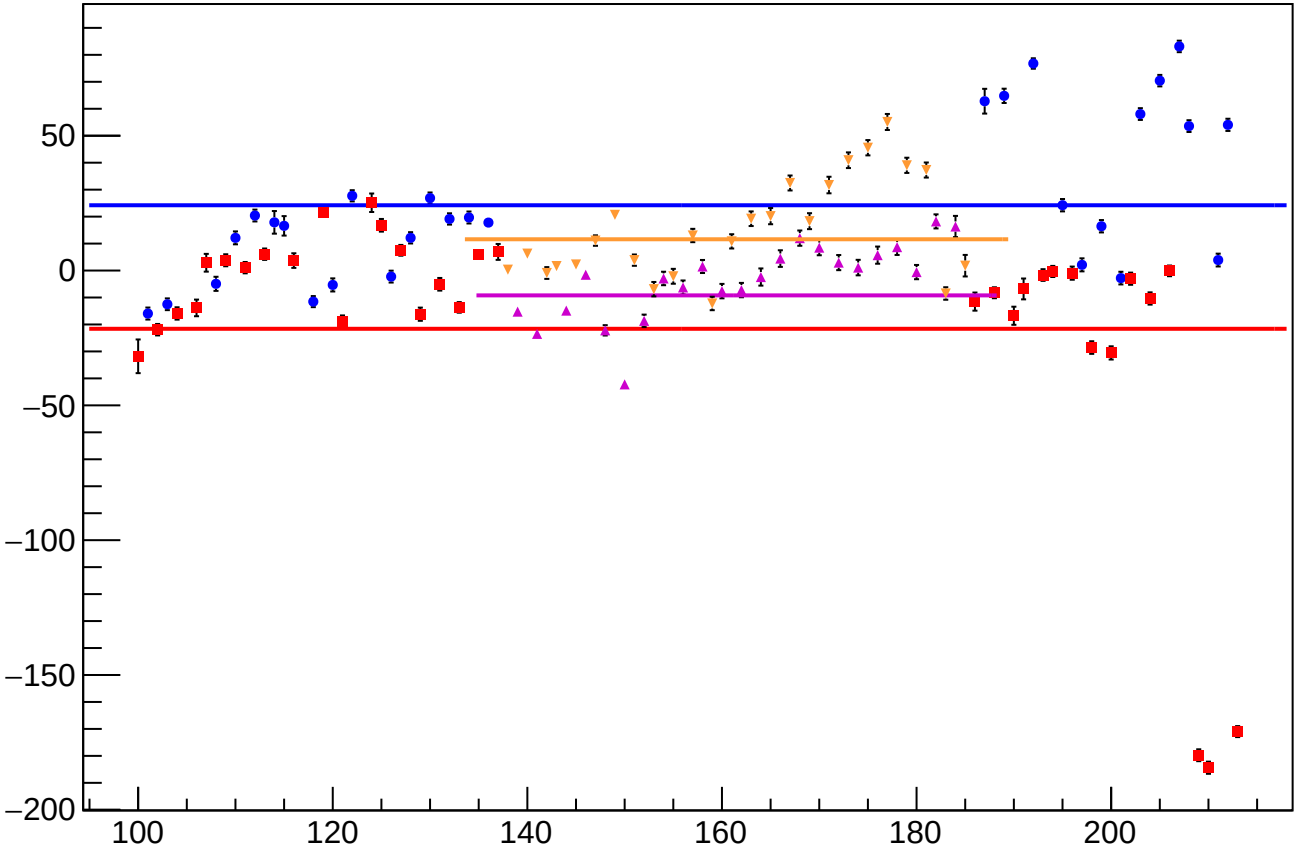
Right: 3120.327+/-0.365 χ^2/NDF: 25518.1/62

In: 3271.959+/-0.389 χ^2/NDF:787782.2/51

Out: 3277.493+/-0.376 χ^2/NDF:861069.1/58

All: 3274.820+/-0.270 χ^2/NDF: 1648956.1/11

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 24.214+/-0.414 χ^2/NDF: 4601.9/28

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

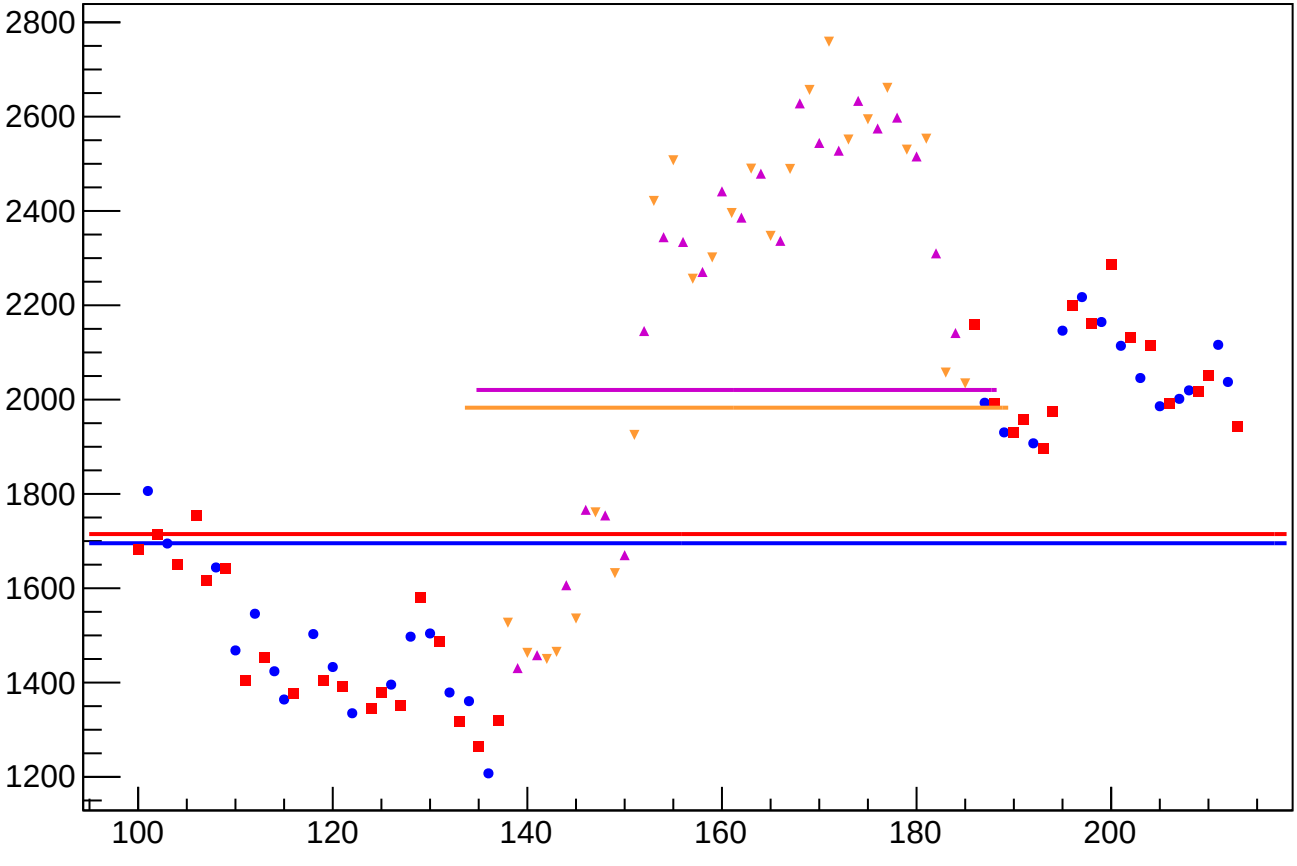
Right: 0.523+/-0.288 χ^2/NDF: 29415.9/62

In: 10.082+/-0.315 χ^2/NDF:8297.9/51

Out: -7.421+/-0.303 χ^2/NDF:22620.6/58

All: 0.998+/-0.218 χ^2/NDF: 32524.9/110

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1695.462+/-0.293 χ^2/NDF: 1258666.4/28

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

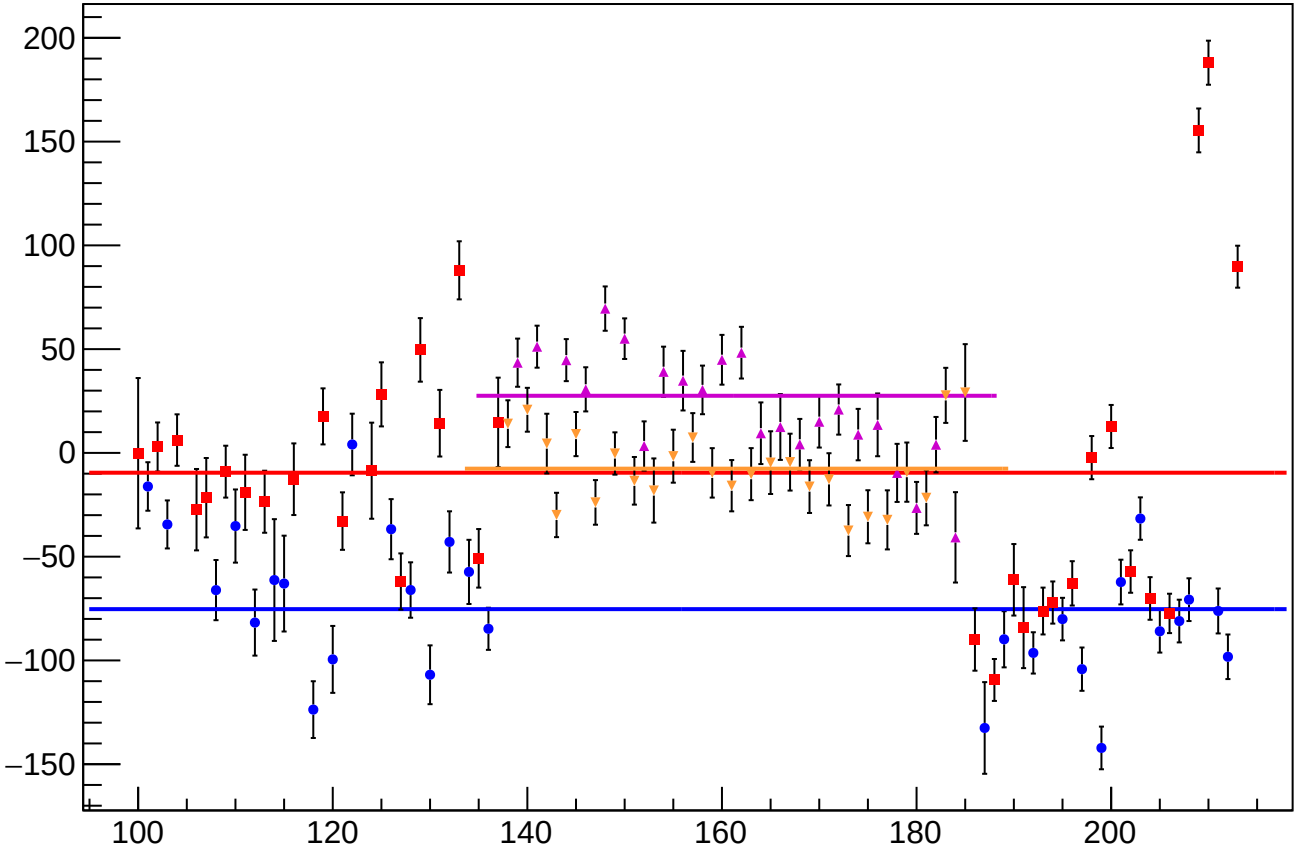
Right: 1705.517+/-0.203 χ^2/NDF: 2550576.3/62

In: 1832.874+/-0.222 χ^2/NDF:3394300.5/51

Out: 1829.365+/-0.214 χ^2/NDF:3650379.8/58

All: 1831.053+/-0.154 χ^2/NDF: 7044809.4/11

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -75.285+/-2.313 χ^2/NDF: 195.7/28

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

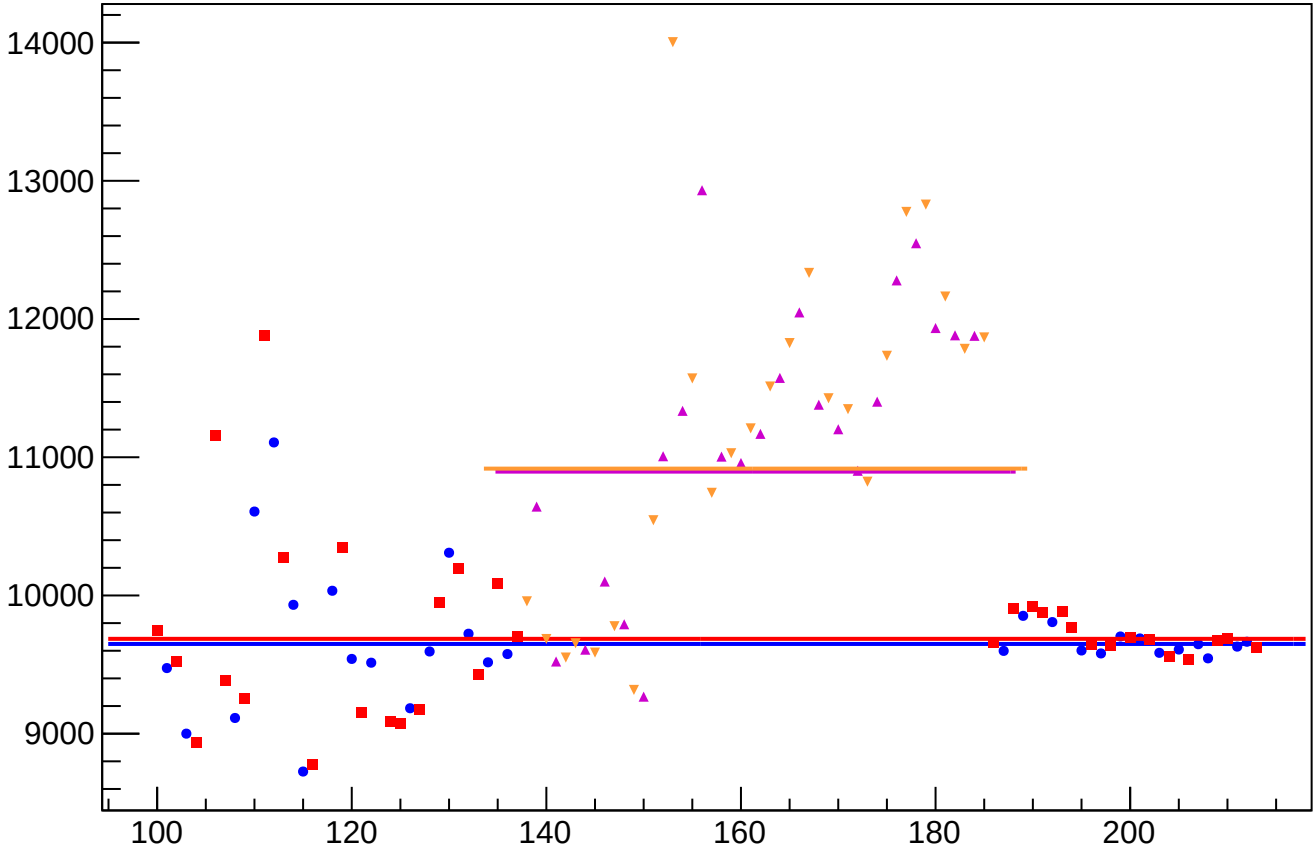
Right: -41.094+/-1.603 χ^2/NDF: 1770.9/62

In: -28.996+/-1.715 χ^2/NDF:1177.9/51

Out: -8.683+/-1.659 χ^2/NDF:1203.5/58

All: -18.503+/-1.193 χ^2/NDF: 2453.9/110

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9649.148+/-1.636 χ^2/NDF: 45610.1/28

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

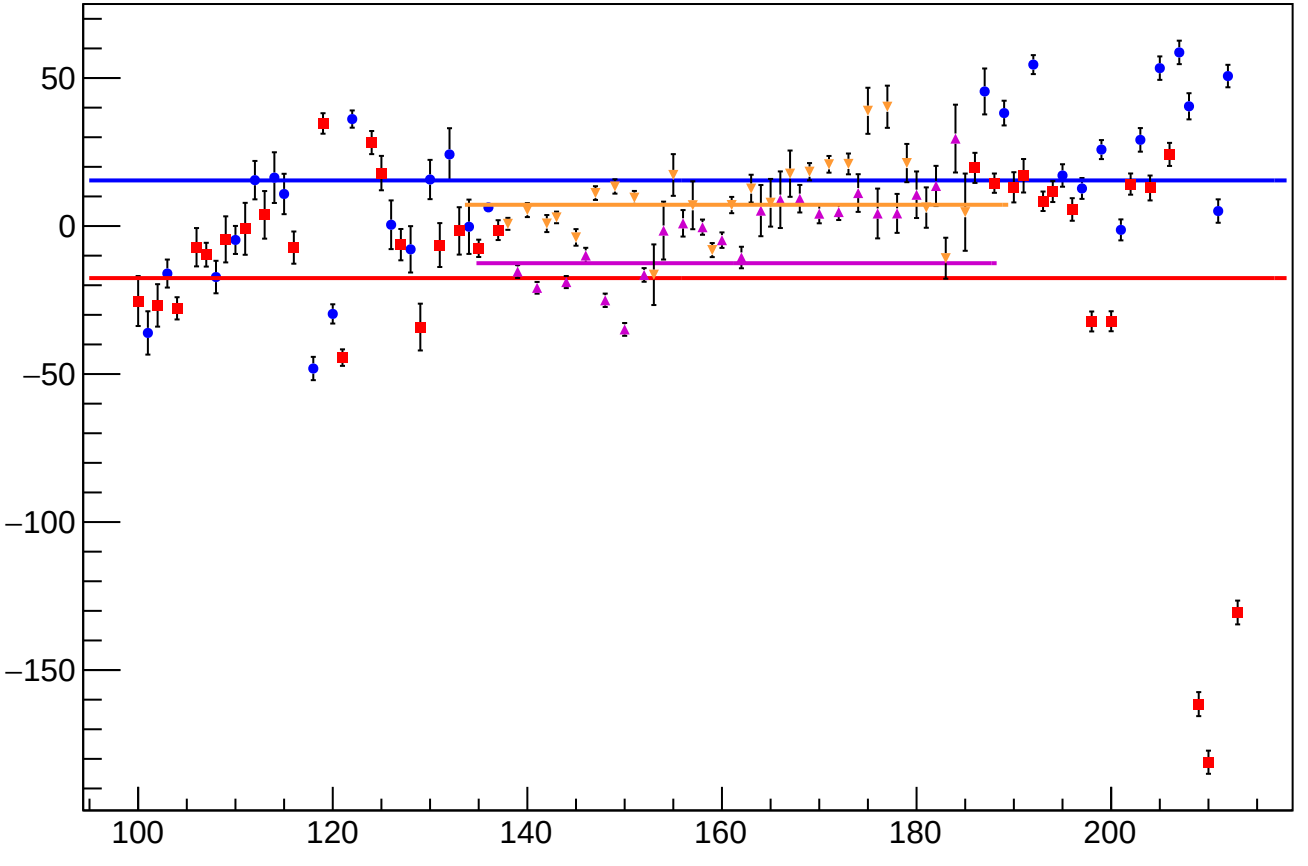
Right: 9668.415+/-1.133 χ^2/NDF: 129003.6/62

In: 10210.510+/-1.213 χ^2/NDF:605219.4/51

Out: 10230.965+/-1.173 χ^2/NDF:780681.6/58

All: 10221.076+/-0.843 χ^2/NDF: 1386047.9/1

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 15.408+/-0.748 χ^2/NDF: 1271.8/28

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

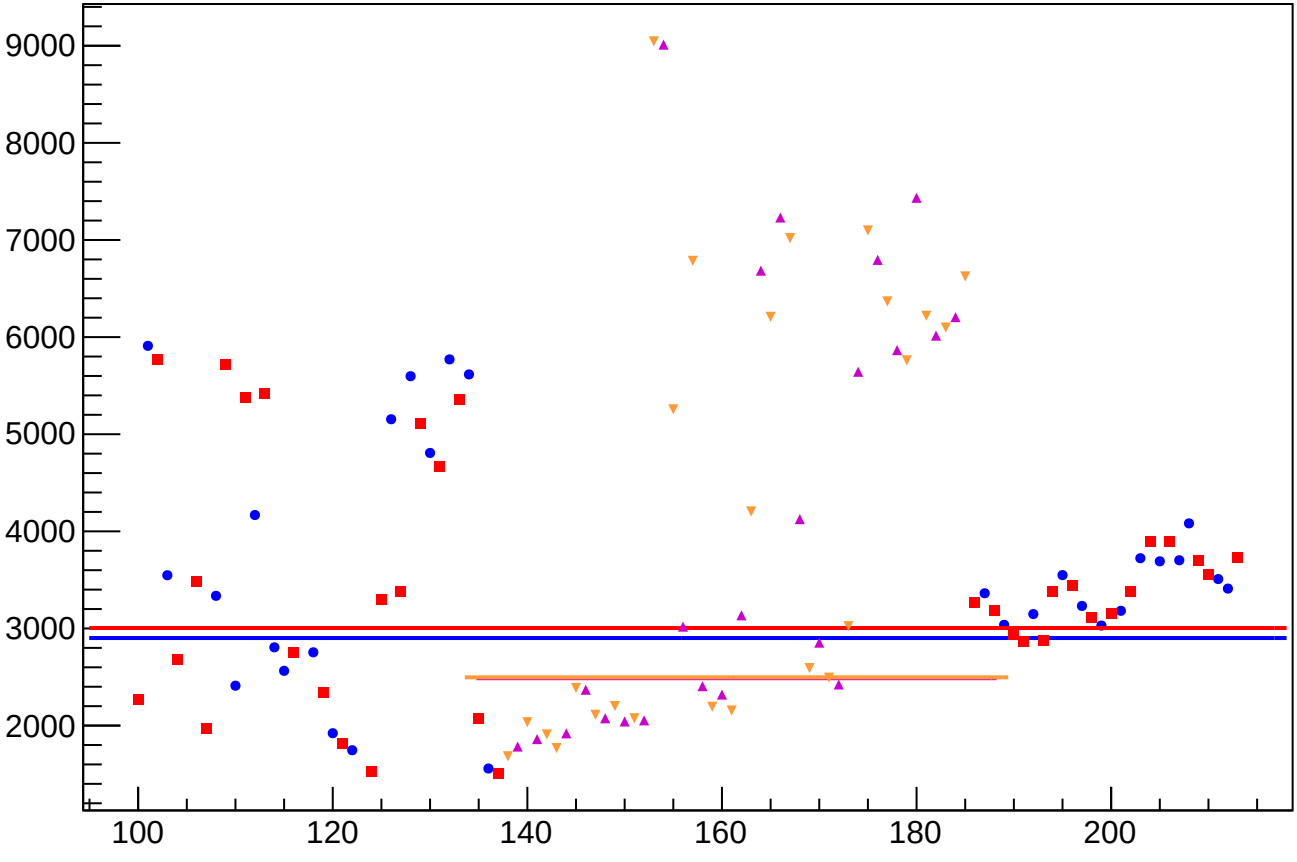
Right: -1.484+/-0.523 χ^2/NDF: 7318.5/62

In: -0.302+/-0.495 χ^2/NDF:2429.0/51

Out: -3.832+/-0.487 χ^2/NDF:5891.1/58

All: -2.096+/-0.347 χ^2/NDF: 8345.9/110

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2901.487+/-0.529 χ^2/NDF: 3809882.2/28

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

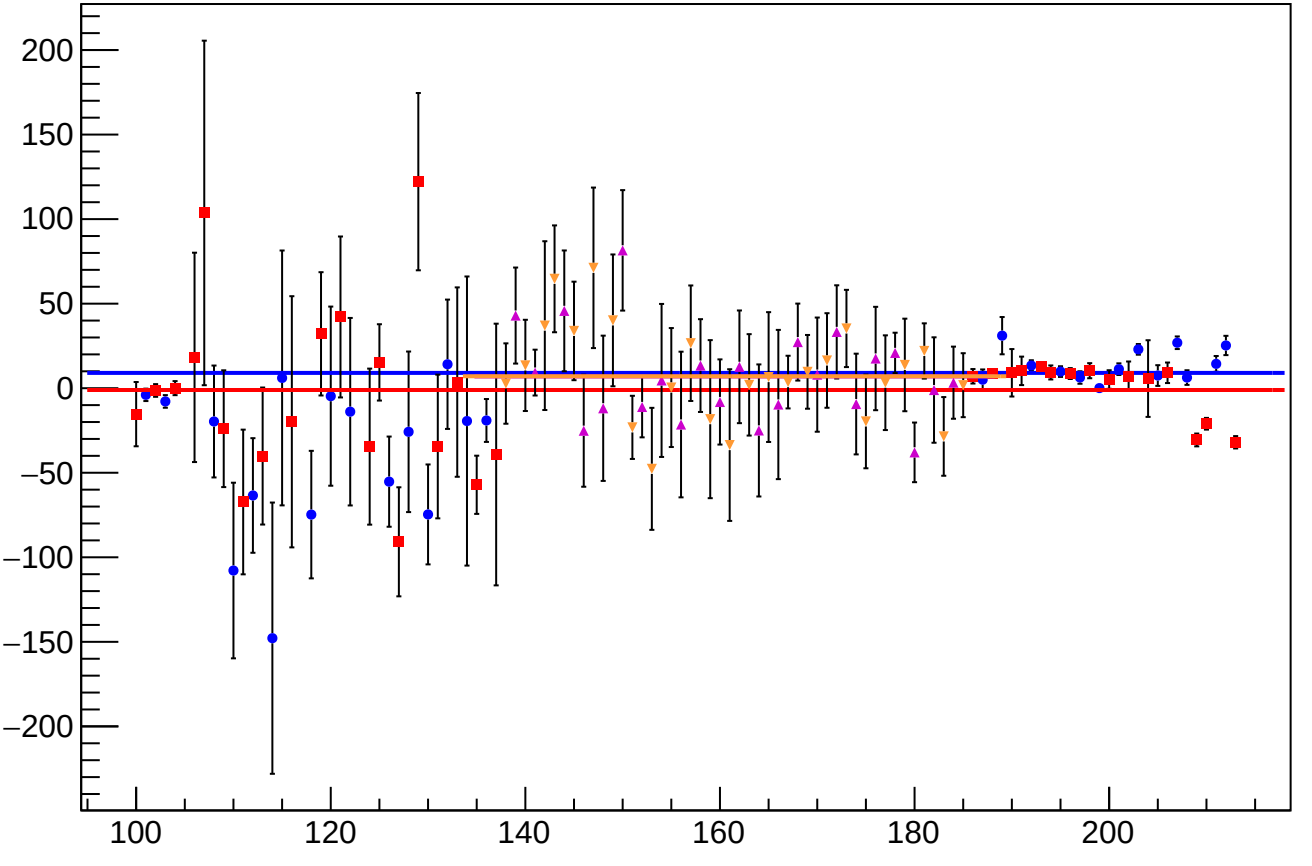
Right: 2954.241+/-0.369 χ^2/NDF: 7081618.9/62

In: 2669.004+/-0.350 χ^2/NDF:10257190.8/51

Out: 2722.625+/-0.344 χ^2/NDF:10994883.2/58

All: 2696.256+/-0.246 χ^2/NDF: 21263995.6/1

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 9.051+/-0.999 χ^2/NDF: 140.7/28

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

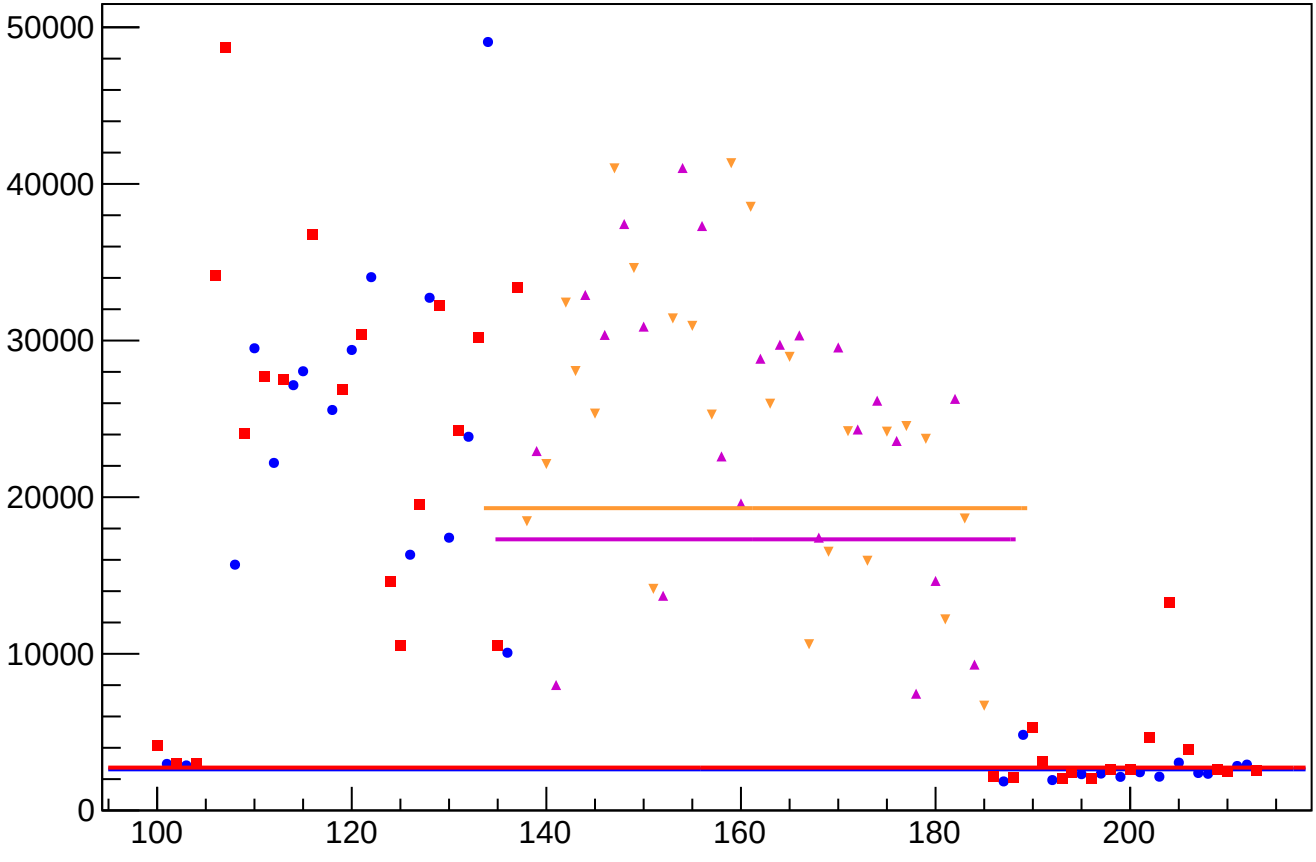
Right: 4.078+/-0.712 χ^2/NDF: 458.3/62

In: 8.973+/-0.981 χ^2/NDF:162.0/51

Out: -0.764+/-0.997 χ^2/NDF:289.1/58

All: 4.186+/-0.699 χ^2/NDF: 499.5/110

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2624.730+/-0.707 χ^2/NDF: 7955351.5/28

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

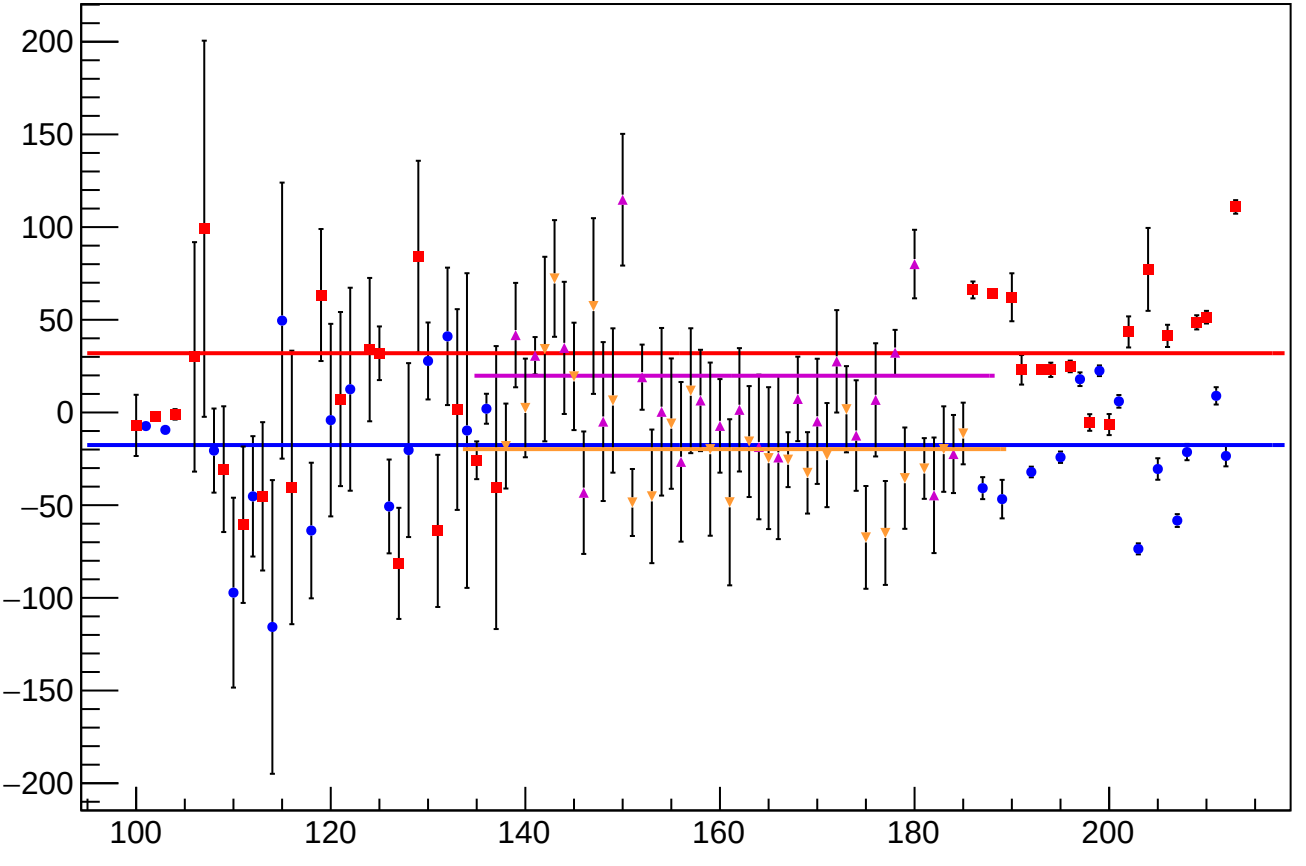
Right: 2679.771+/-0.504 χ^2/NDF: 17392524.4/62

In: 3169.536+/-0.693 χ^2/NDF:30700467.0/51

Out: 3339.159+/-0.705 χ^2/NDF:33808798.0/58

All: 3252.930+/-0.494 χ^2/NDF: 64538692.0/1

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -17.569+/-0.899 χ^2/NDF: 966.4/28

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

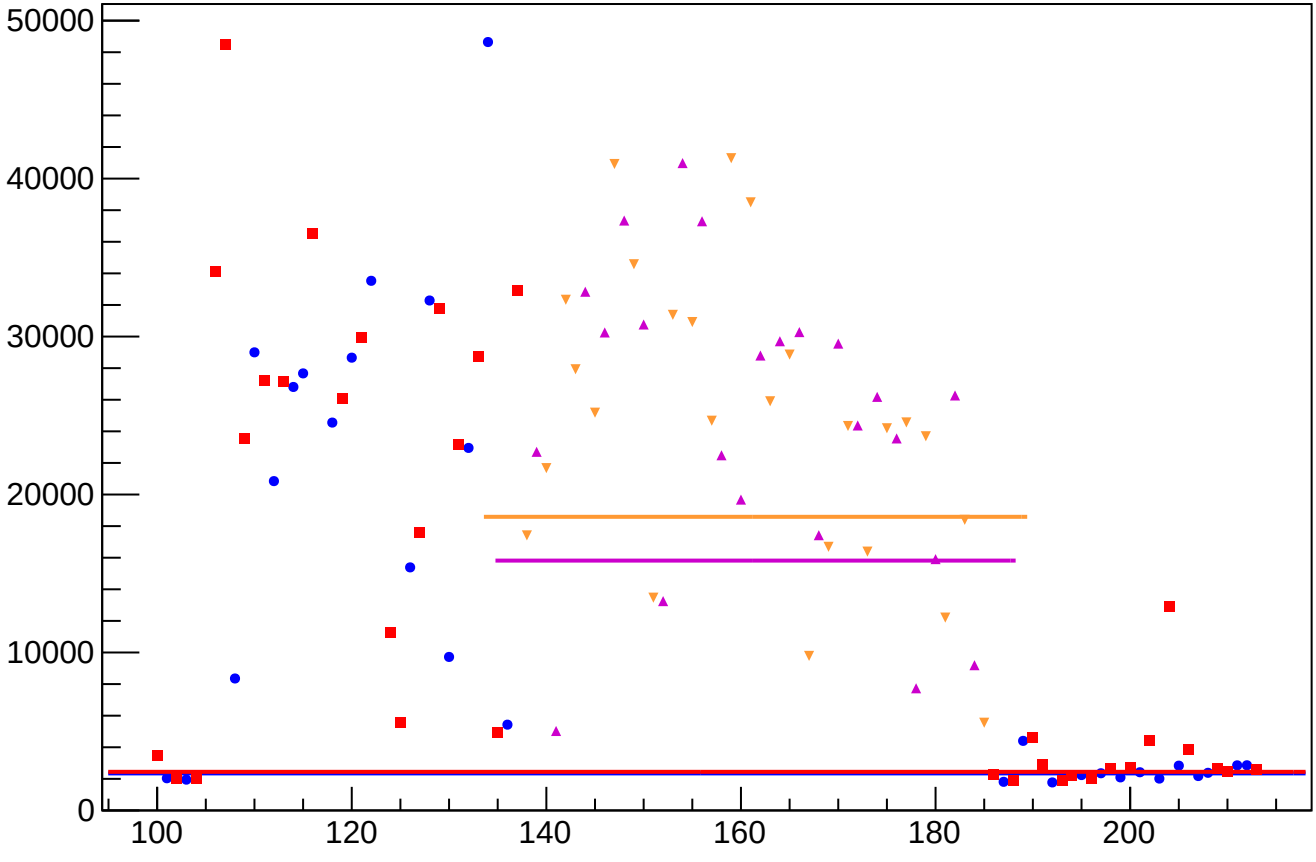
Right: 6.675+/-0.642 χ^2/NDF: 3725.1/62

In: -16.325+/-0.884 χ^2/NDF:1064.2/51

Out: 30.359+/-0.904 χ^2/NDF:1398.6/58

All: 6.496+/-0.632 χ^2/NDF: 3827.1/110

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2345.964+/-0.636 χ^2/NDF: 7110368.7/28

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

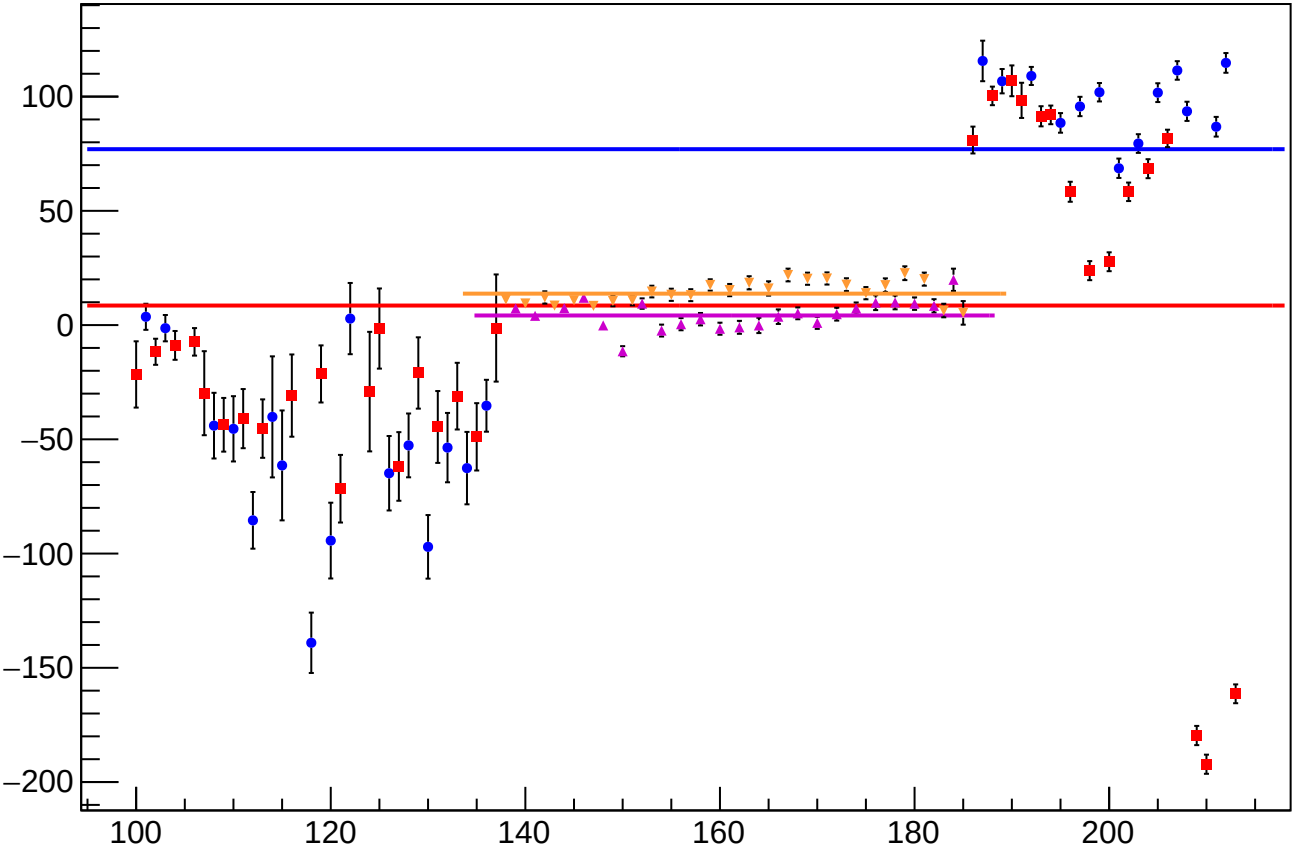
Right: 2394.649+/-0.454 χ^2/NDF: 16141064.2/62

In: 2794.019+/-0.625 χ^2/NDF:30462102.7/51

Out: 2948.974+/-0.639 χ^2/NDF:34005572.0/58

All: 2869.766+/-0.447 χ^2/NDF: 64497735.6/1

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 76.986+/-1.113 χ^2/NDF: 2073.5/28

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

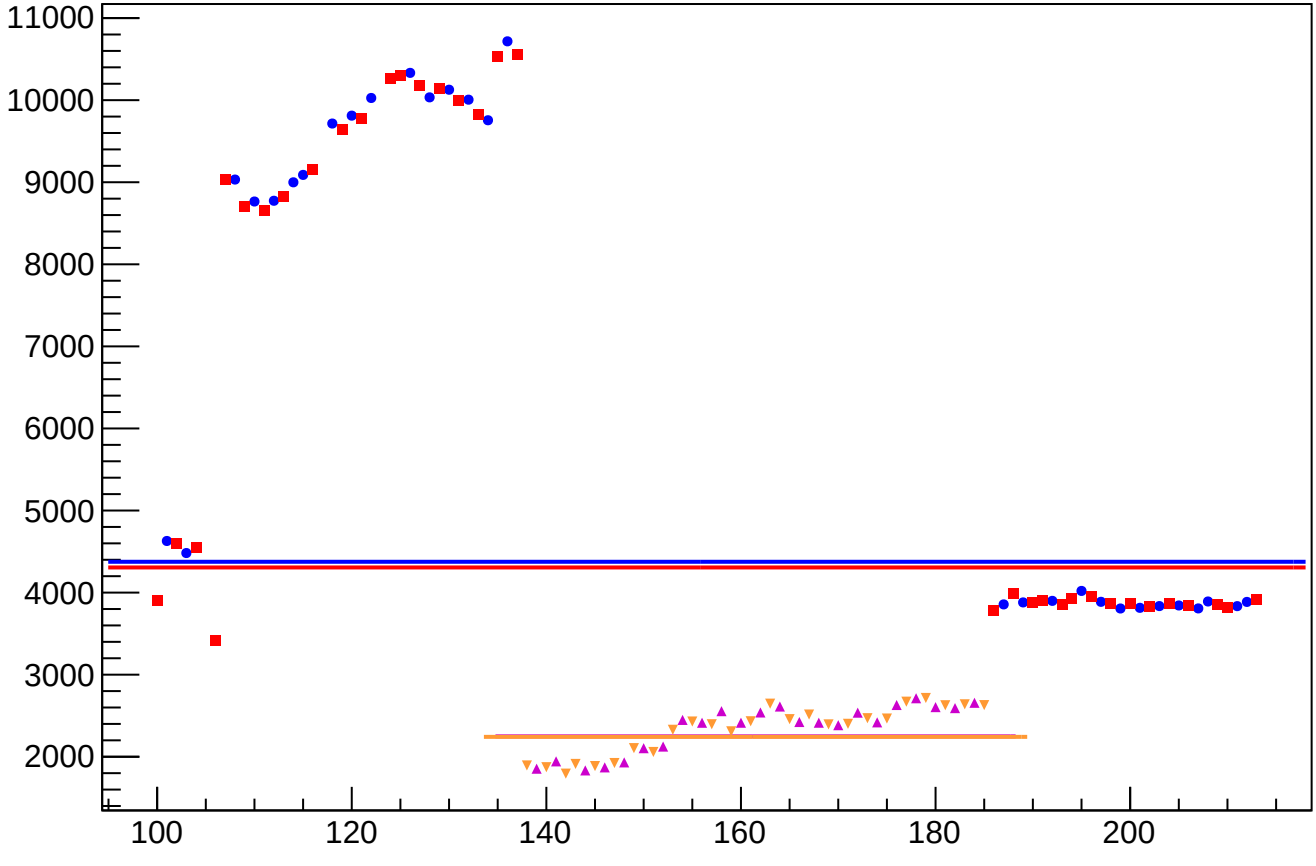
Right: 40.503+/-0.761 χ^2/NDF: 12949.9/62

In: 17.650+/-0.479 χ^2/NDF:5681.1/51

Out: 12.742+/-0.461 χ^2/NDF:8959.8/58

All: 15.104+/-0.332 χ^2/NDF: 14695.5/110

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4375.602+/-0.787 χ^2/NDF: 4023475.2/28

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

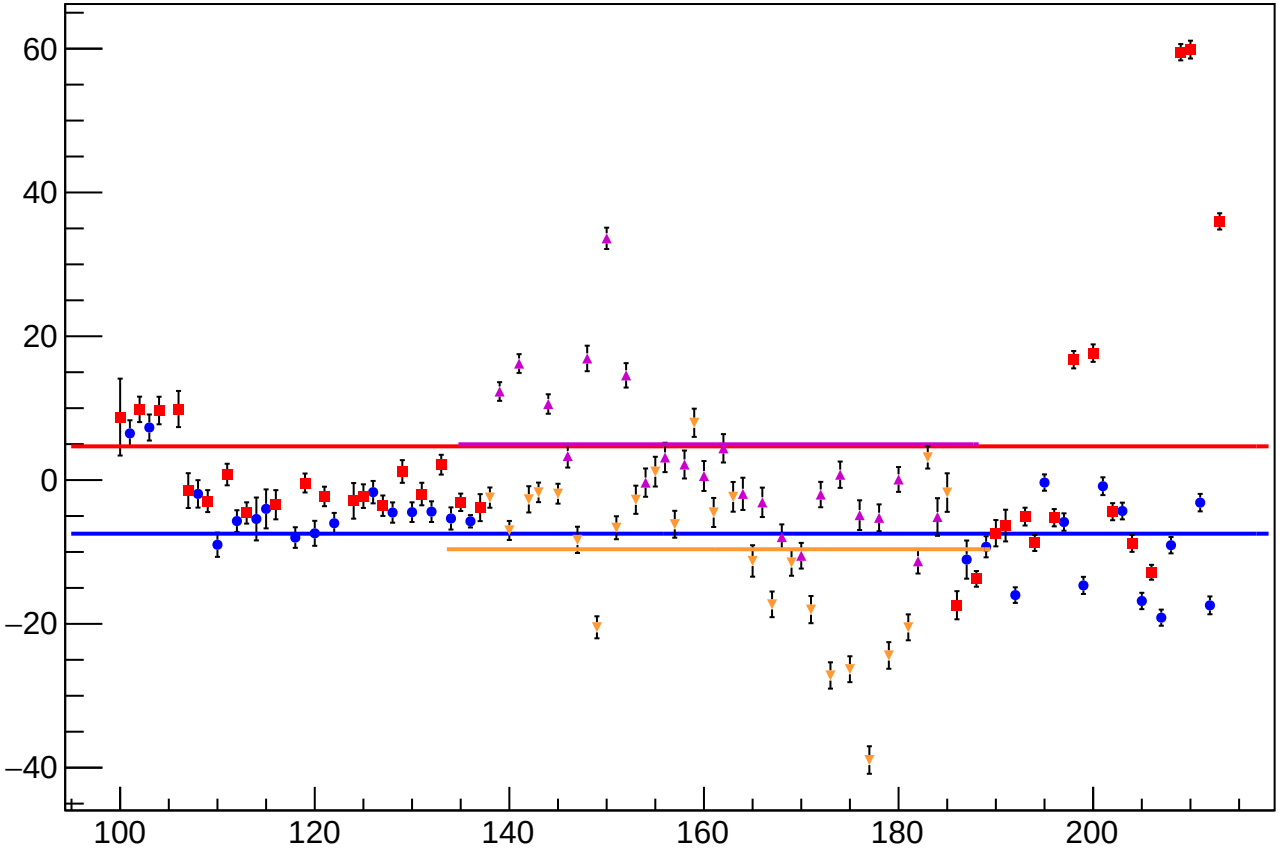
Right: 4338.677+/-0.538 χ^2/NDF: 8007811.2/62

In: 2641.581+/-0.338 χ^2/NDF:10615944.7/51

Out: 2646.296+/-0.326 χ^2/NDF:10949784.4/58

All: 2644.027+/-0.235 χ^2/NDF: 21565829.8/1

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -7.457+/-0.253 χ^2/NDF: 606.0/28

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

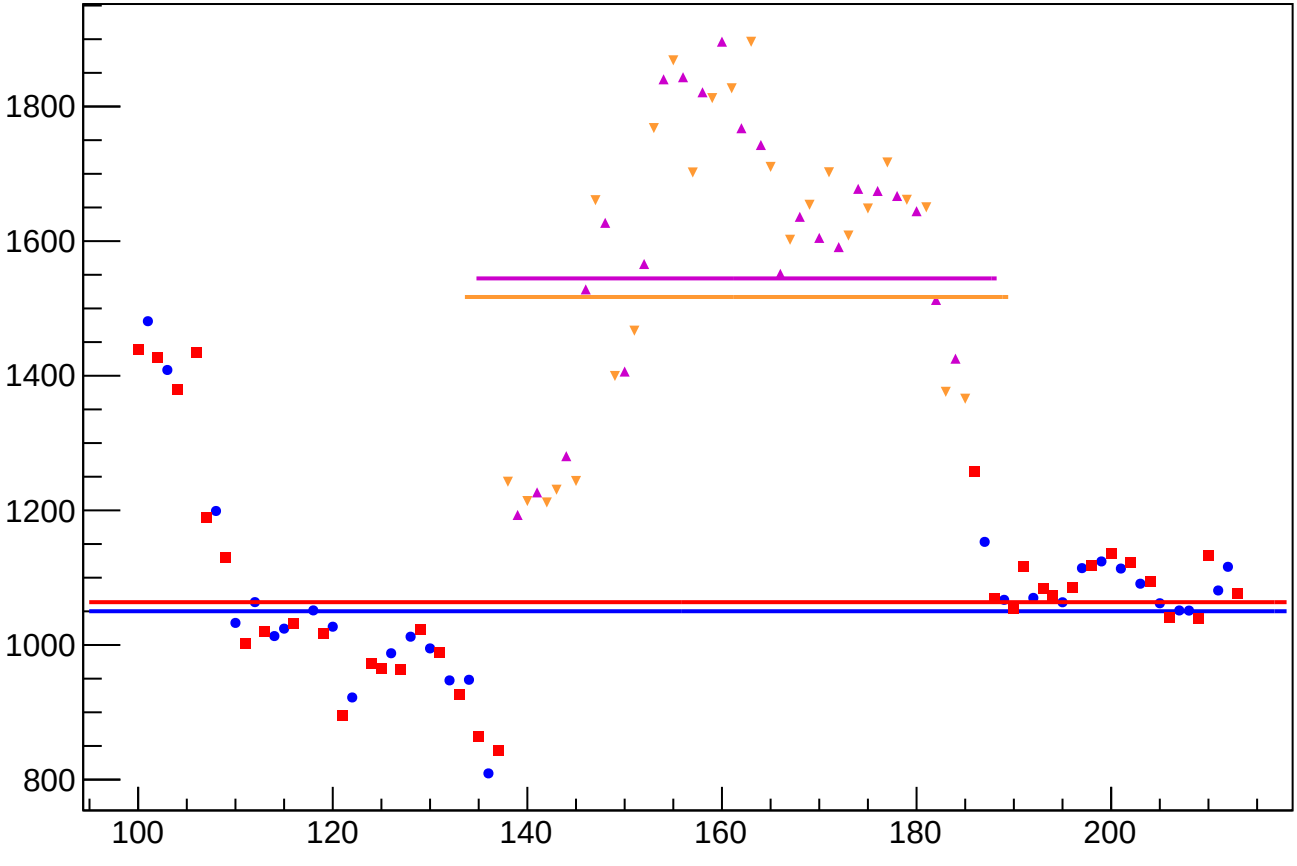
Right: -1.187+/-0.176 χ^2/NDF: 8614.7/62

In: -3.415+/-0.208 χ^2/NDF:2320.2/51

Out: -0.033+/-0.201 χ^2/NDF:8879.8/58

All: -1.663+/-0.144 χ^2/NDF: 11337.2/110

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1050.159+/-0.179 χ^2/NDF: 435764.0/28

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

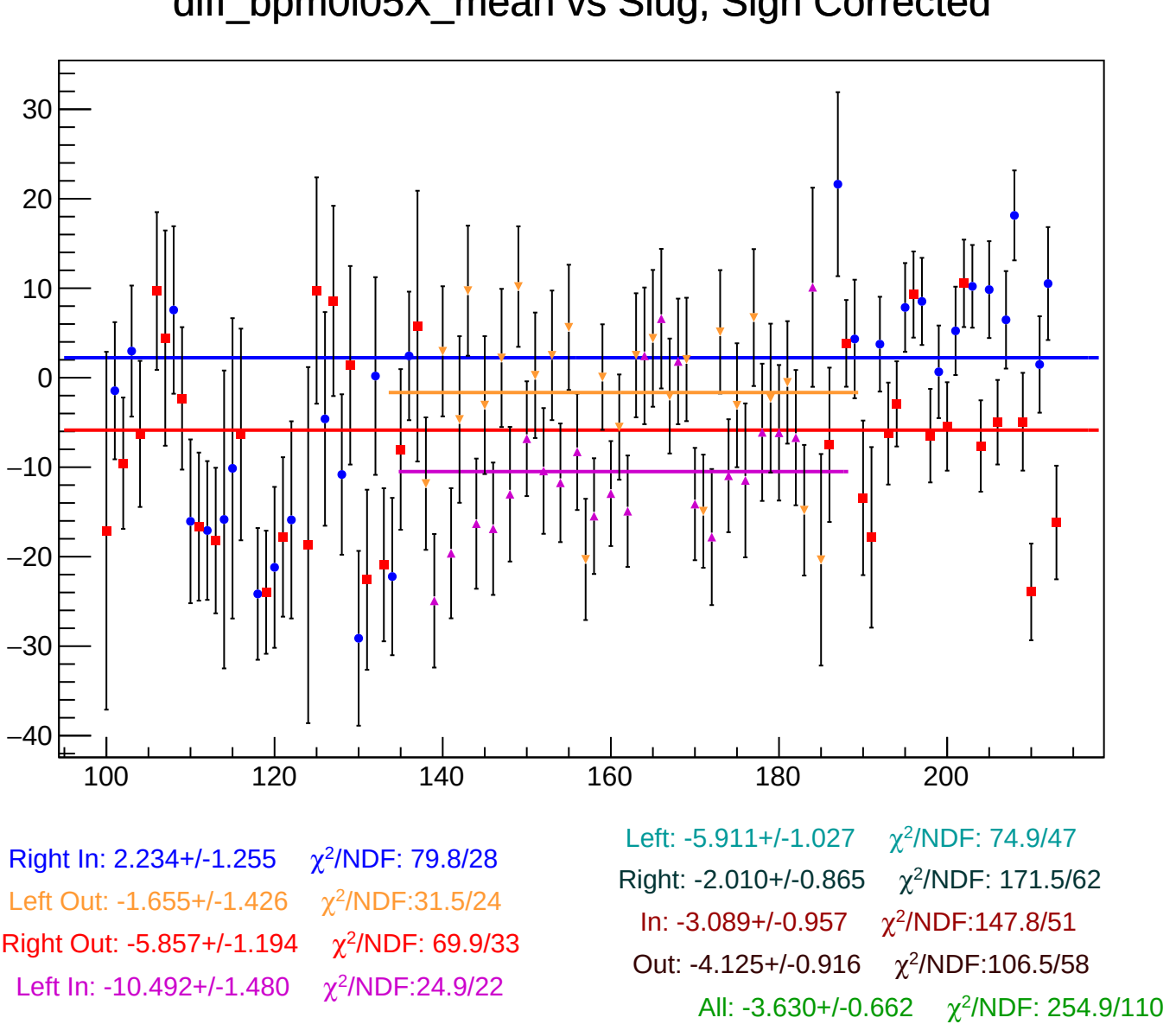
Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

Right: 1057.113+/-0.124 χ^2/NDF: 853066.6/62

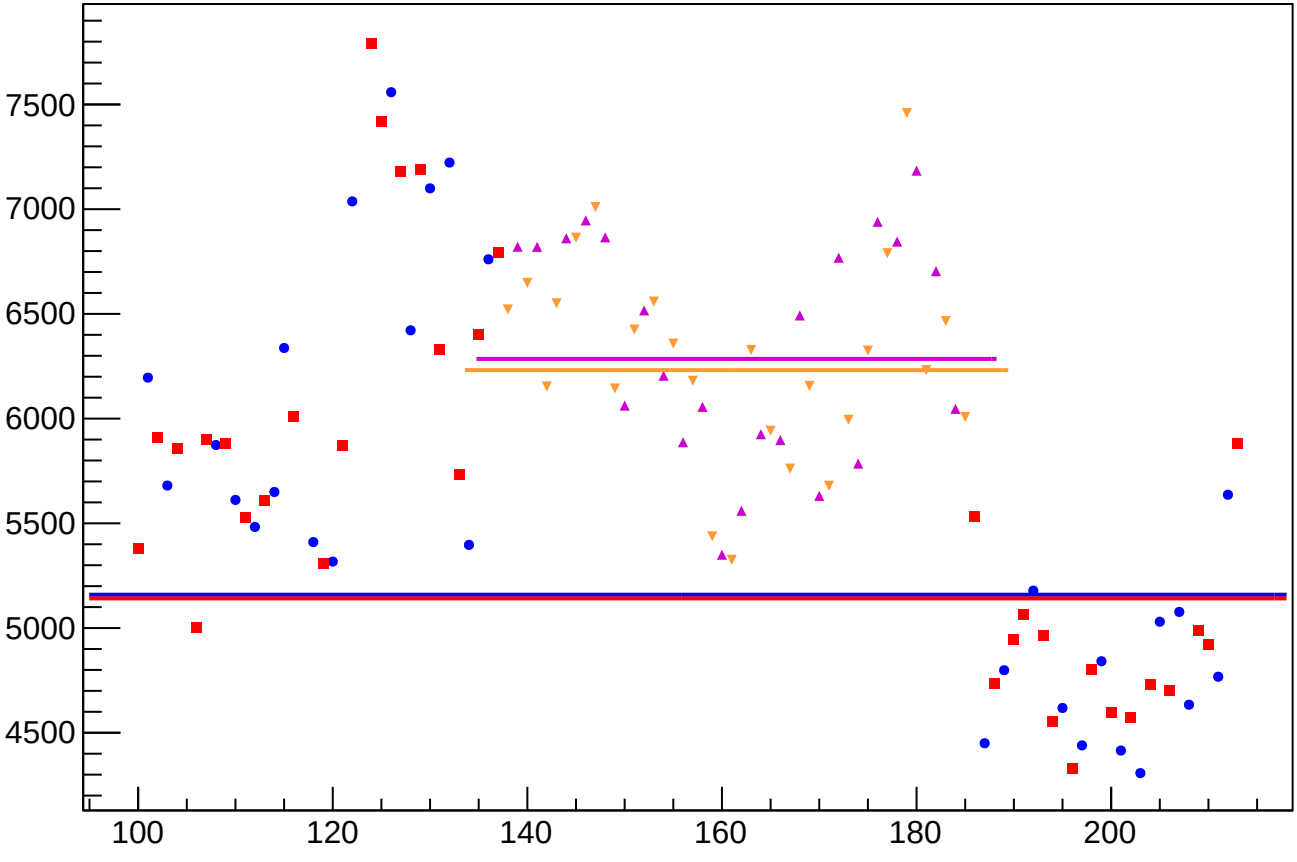
In: 1210.909+/-0.147 χ^2/NDF:3556787.2/51

Out: 1213.240+/-0.142 χ^2/NDF:3507436.4/58

All: 1212.117+/-0.102 χ^2/NDF: 7064353.9/11


diff_bpm0l05X_mean vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
100
120
140
160
180
200
Right In: 2.234+/-1.255 χ²/NDF: 79.8/28
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: -2.010+/-0.865 χ²/NDF: 171.5/62
In: -3.089+/-0.957 χ²/NDF:147.8/51
Out: -4.125+/-0.916 χ²/NDF:106.5/58
All: -3.630+/-0.662 χ²/NDF: 254.9/110

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5159.121+/-0.887 χ^2/NDF: 758789.9/28

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

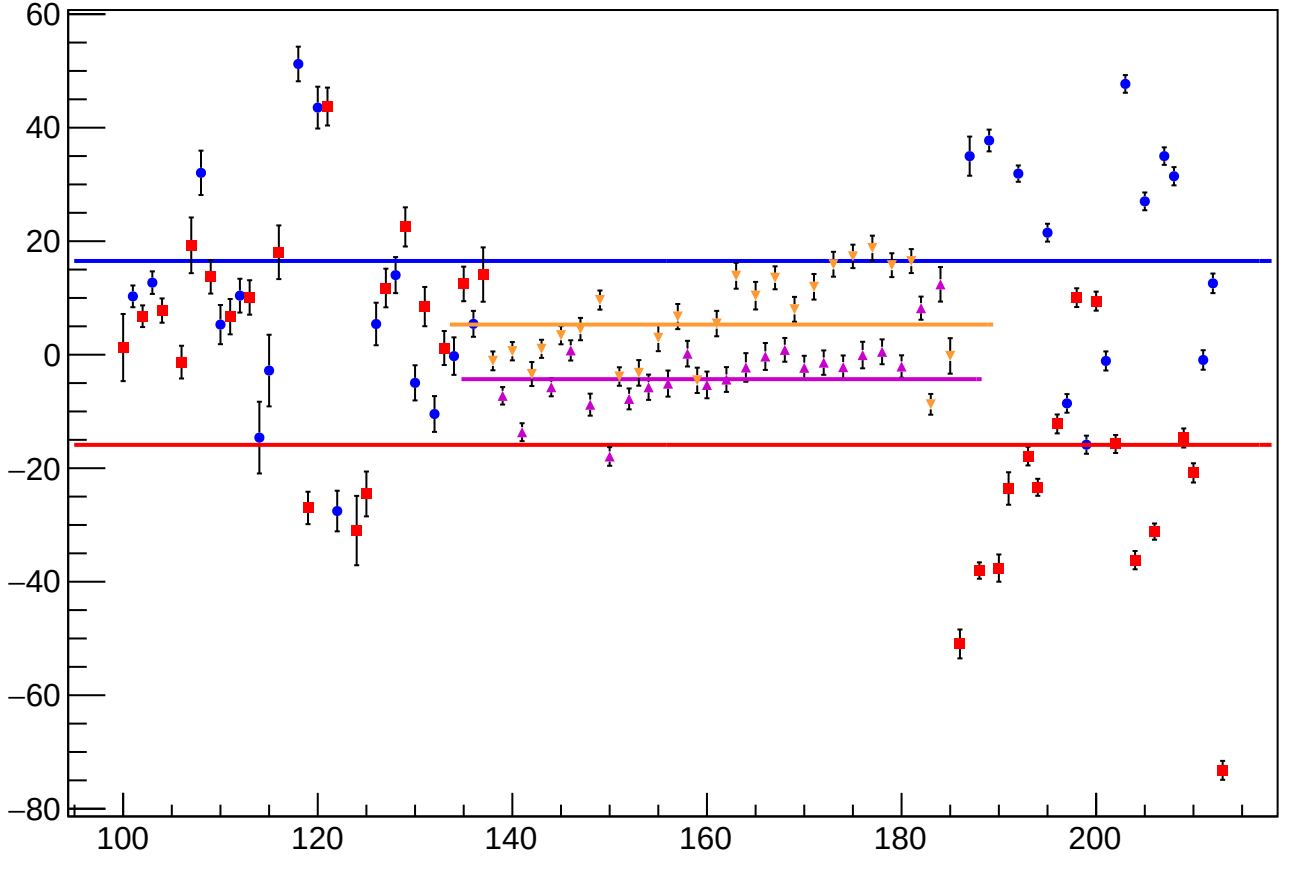
Right: 5149.868+/-0.612 χ^2/NDF: 1432888.2/62

In: 5630.028+/-0.677 χ^2/NDF:1697824.1/51

Out: 5590.853+/-0.648 χ^2/NDF:1587511.7/58

All: 5609.579+/-0.468 χ^2/NDF: 3287085.4/11

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 16.516+/-0.395 χ^2/NDF: 2408.3/28

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

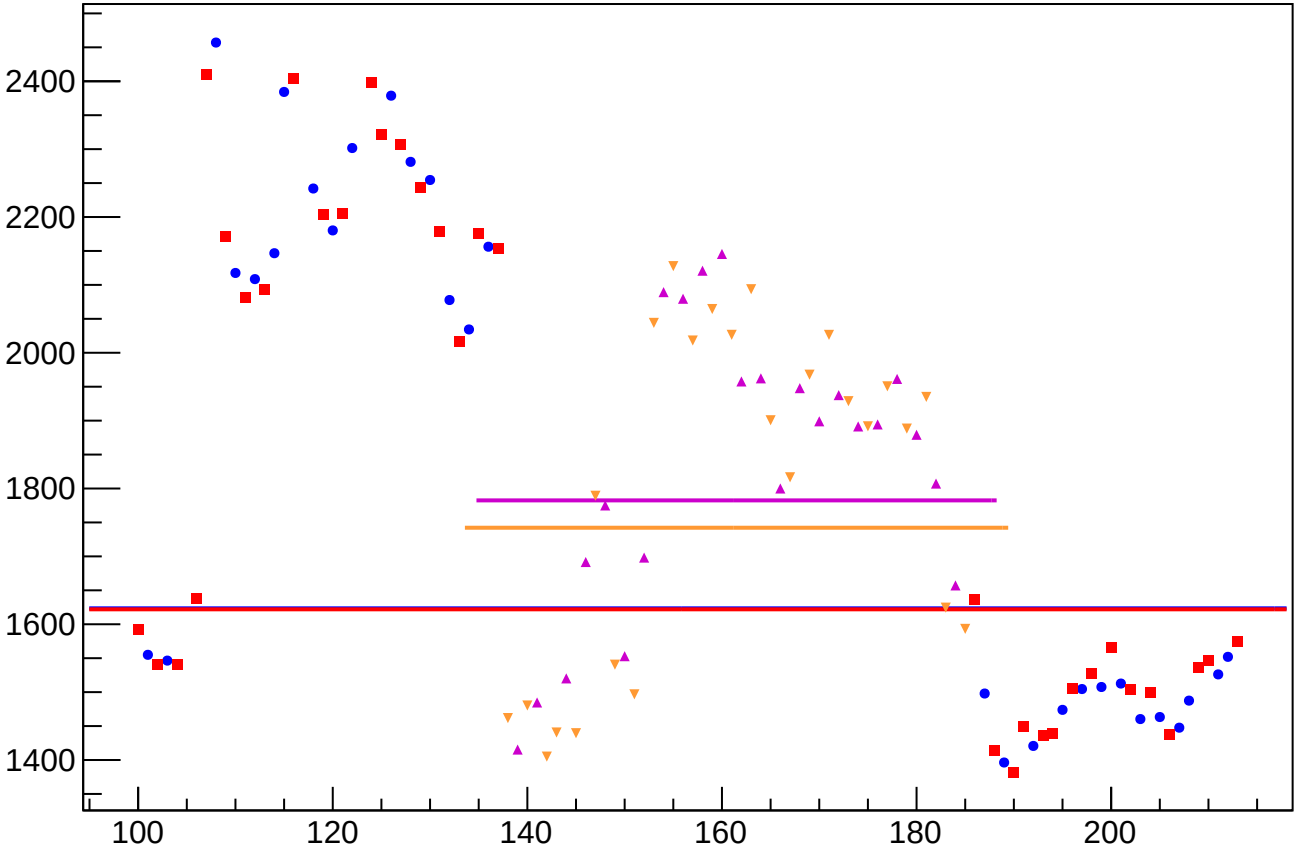
Right: -0.433+/-0.273 χ^2/NDF: 9788.8/62

In: 6.750+/-0.288 χ^2/NDF:3933.9/51

Out: -5.925+/-0.274 χ^2/NDF:5720.7/58

All: 0.114+/-0.199 χ^2/NDF: 10670.9/110

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1623.446+/-0.279 χ^2/NDF: 1075212.6/28

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

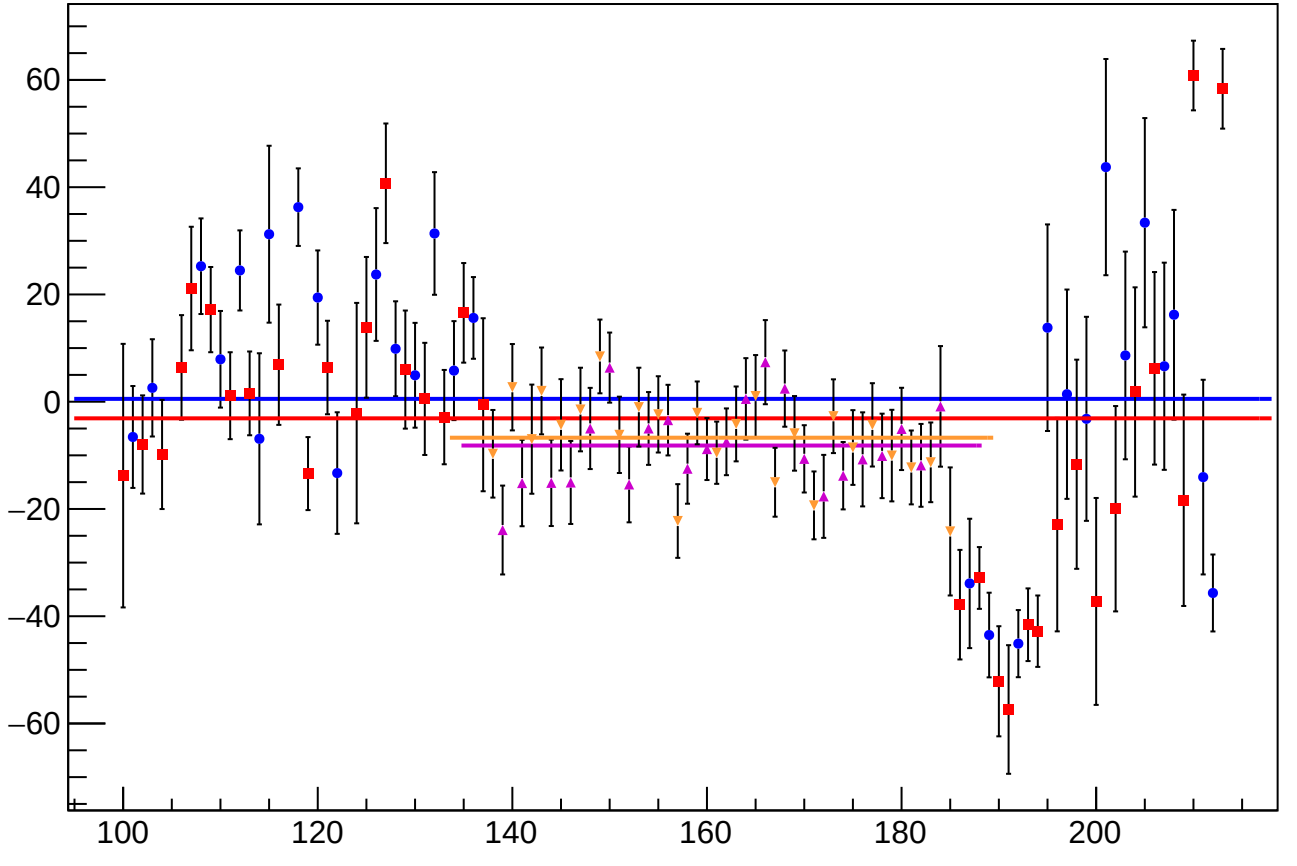
Right: 1622.695+/-0.193 χ^2/NDF: 2121562.3/62

In: 1698.036+/-0.203 χ^2/NDF:1761849.5/51

Out: 1678.498+/-0.194 χ^2/NDF:1909575.0/58

All: 1687.808+/-0.140 χ^2/NDF: 3676254.2/11

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 0.530+/-1.918 χ^2/NDF: 197.2/28

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

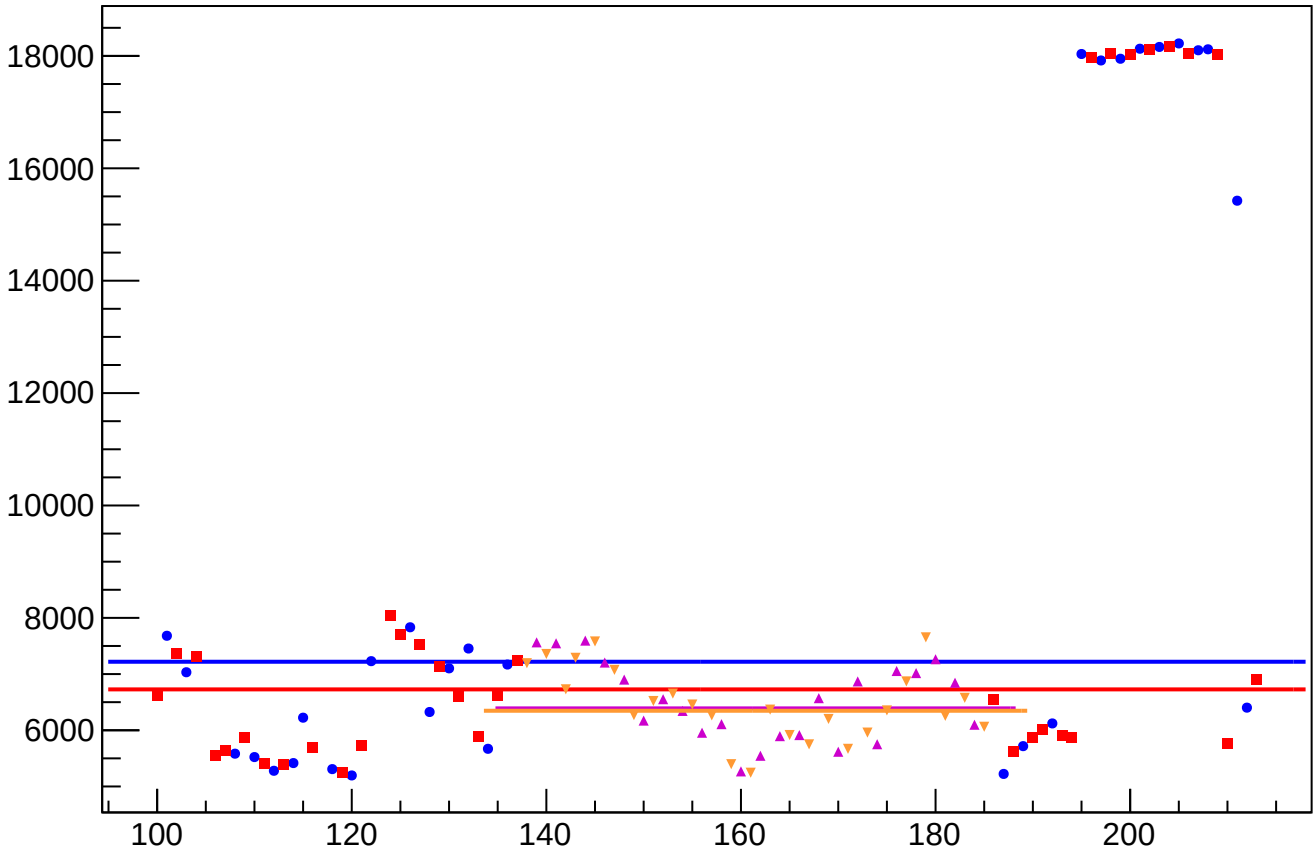
Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

Right: -1.525+/-1.263 χ^2/NDF: 560.0/62

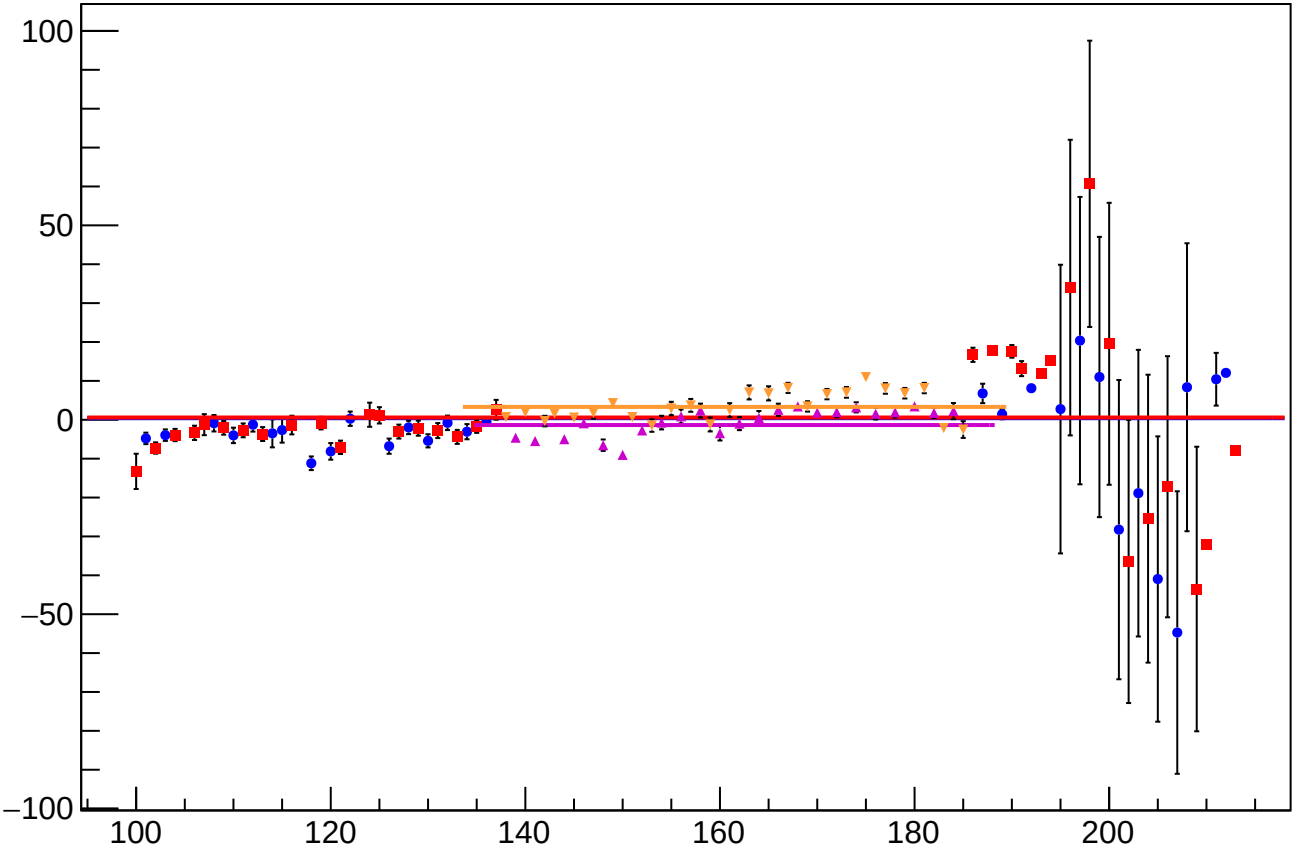
In: -4.841+/-1.186 χ^2/NDF:234.1/51

Out: -5.160+/-1.101 χ^2/NDF:389.0/58

All: -5.013+/-0.807 χ^2/NDF: 623.2/110


diff_bpm0l06X_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 7219.308+/-1.356 χ²/NDF: 6247733.6/28
Left Out: 6347.287+/-1.031 χ²/NDF:386025.6/24
Right Out: 6727.391+/-1.187 χ²/NDF: 5434254.7/33
Left In: 6389.425+/-1.068 χ²/NDF:419756.4/22
Left: 6367.615+/-0.742 χ²/NDF: 806588.2/47
Right: 6940.907+/-0.893 χ²/NDF: 11756476.6/62
In: 6707.051+/-0.839 χ²/NDF:6898712.4/51
Out: 6510.628+/-0.778 χ²/NDF:5878713.1/58
All: 6601.509+/-0.571 χ²/NDF: 12806886.3/1

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: 0.406+/-0.365 χ^2/NDF: 304.5/28

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

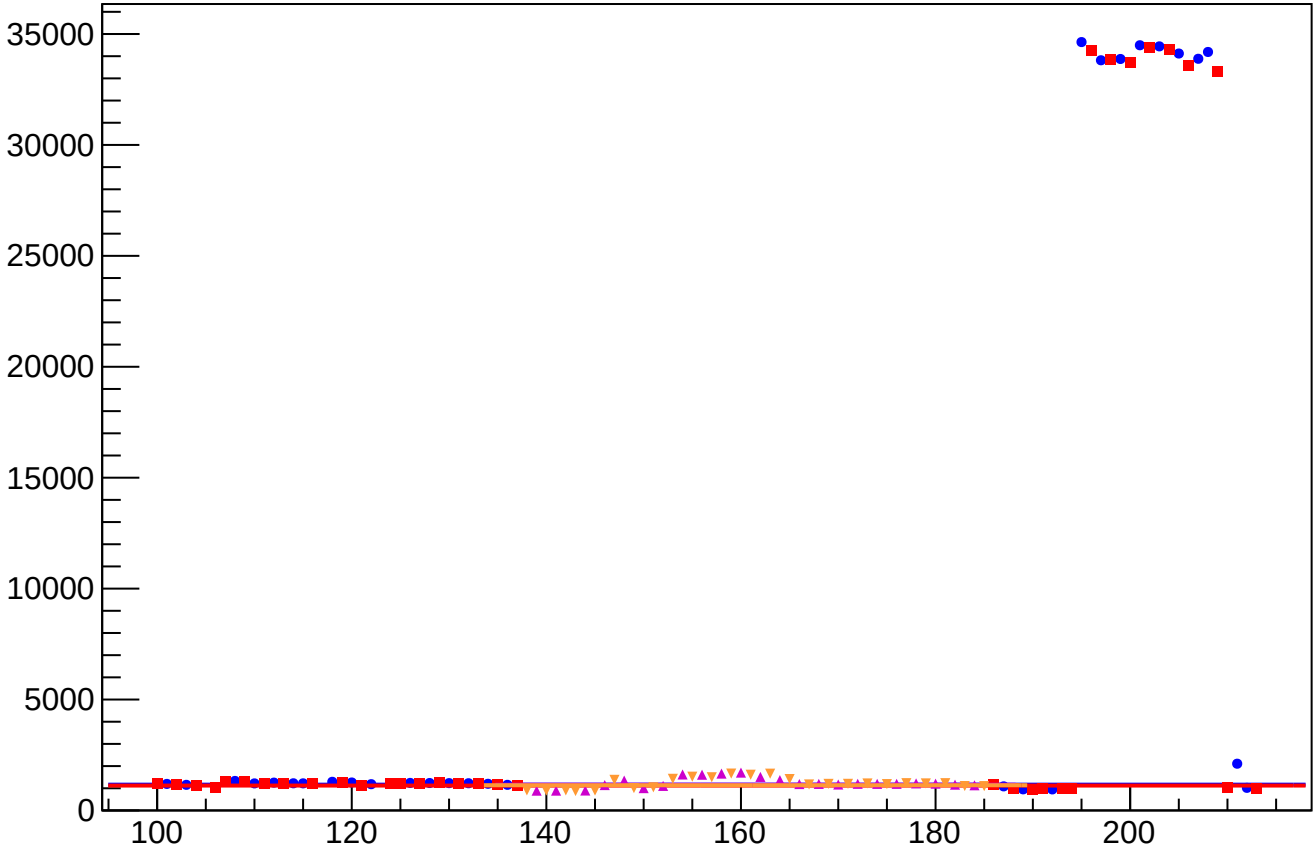
Right: 0.506+/-0.238 χ^2/NDF: 1968.4/62

In: -0.712+/-0.220 χ^2/NDF:515.6/51

Out: 2.176+/-0.202 χ^2/NDF:1886.0/58

All: 0.857+/-0.149 χ^2/NDF: 2494.8/110

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1162.956+/-0.258 χ^2/NDF: 13068144.1/28

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

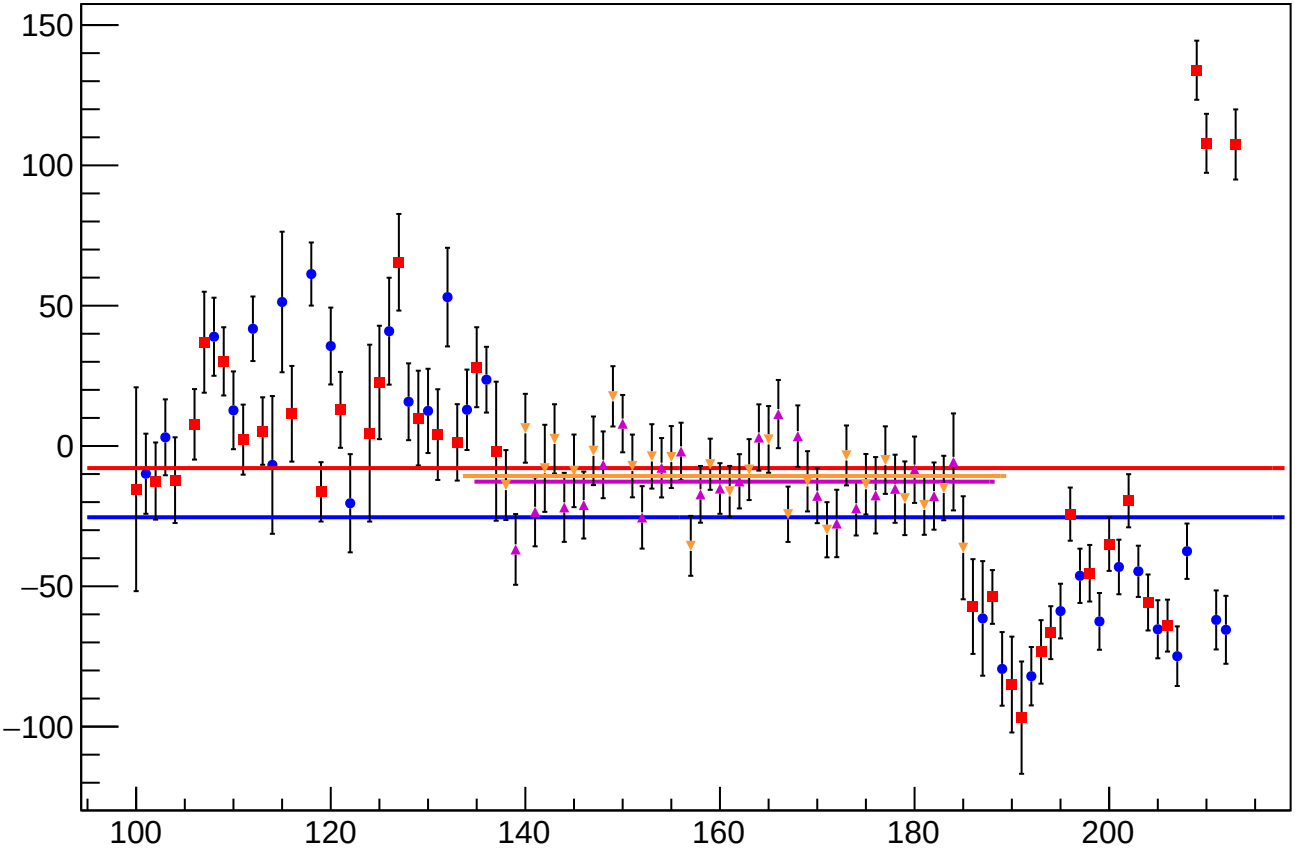
Right: 1139.475+/-0.168 χ^2/NDF: 24754908.9/62

In: 1160.719+/-0.156 χ^2/NDF:14328056.2/51

Out: 1130.903+/-0.143 χ^2/NDF:13144721.7/58

All: 1144.524+/-0.105 χ^2/NDF: 27492652.4/

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -25.401+/-2.286 χ^2/NDF: 378.5/28

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

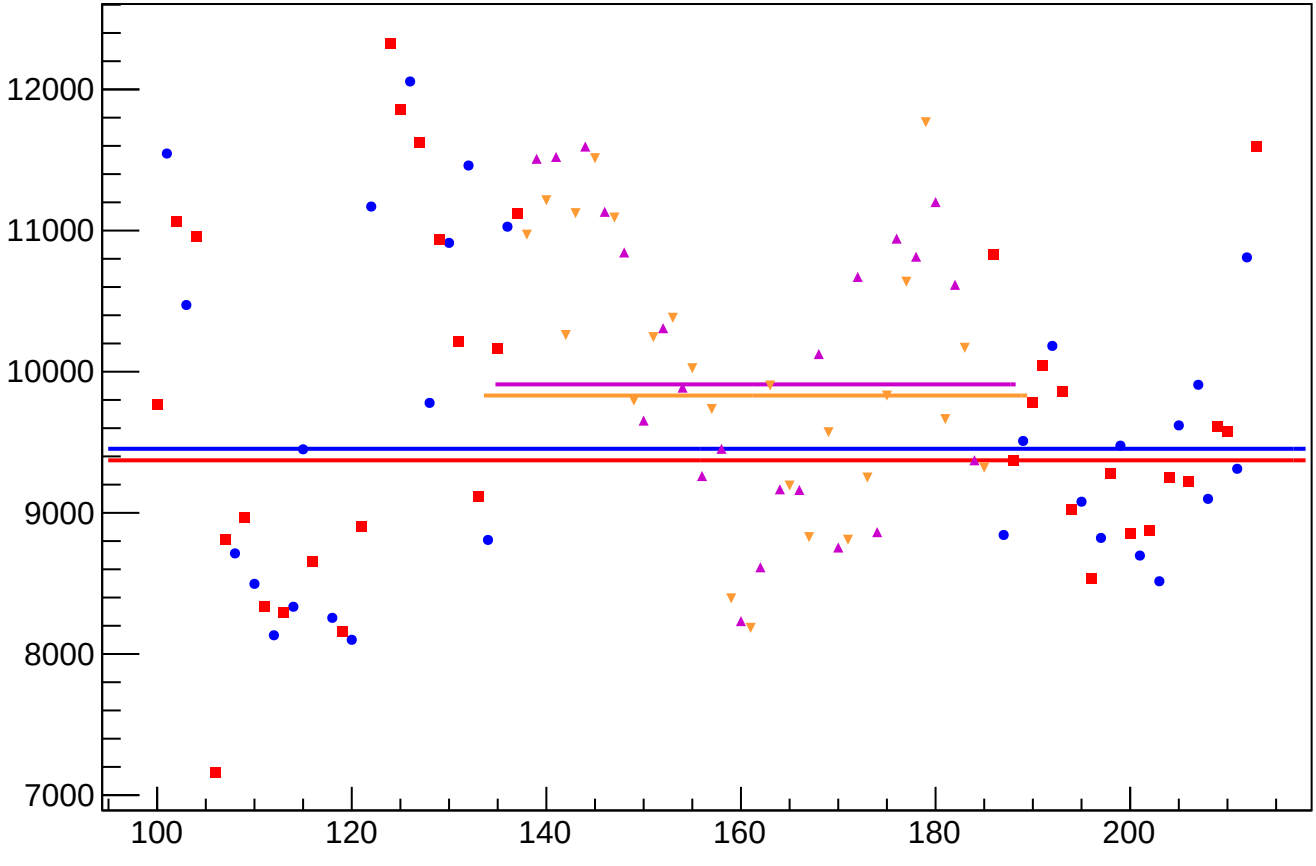
Right: -16.173+/-1.573 χ^2/NDF: 1080.5/62

In: -19.210+/-1.636 χ^2/NDF:417.6/51

Out: -9.226+/-1.564 χ^2/NDF:700.5/58

All: -13.994+/-1.130 χ^2/NDF: 1137.6/110

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9453.996+/-1.617 χ^2/NDF: 373607.1/28

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

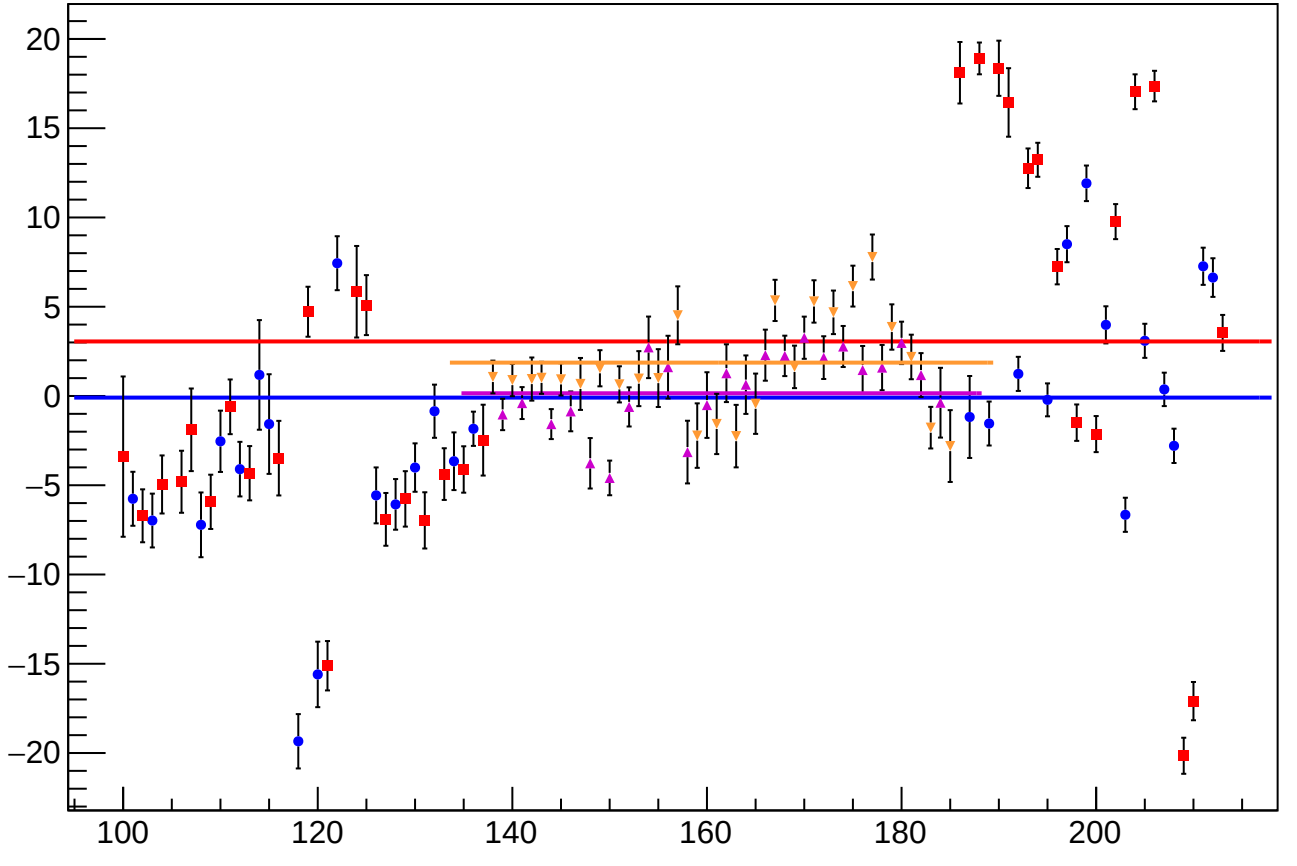
Right: 9410.935+/-1.113 χ^2/NDF: 795058.2/62

In: 9676.761+/-1.157 χ^2/NDF:801869.9/51

Out: 9592.564+/-1.106 χ^2/NDF:819252.6/58

All: 9632.776+/-0.799 χ^2/NDF: 1623891.3/11

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -0.090+/-0.230 χ^2/NDF: 754.1/28

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

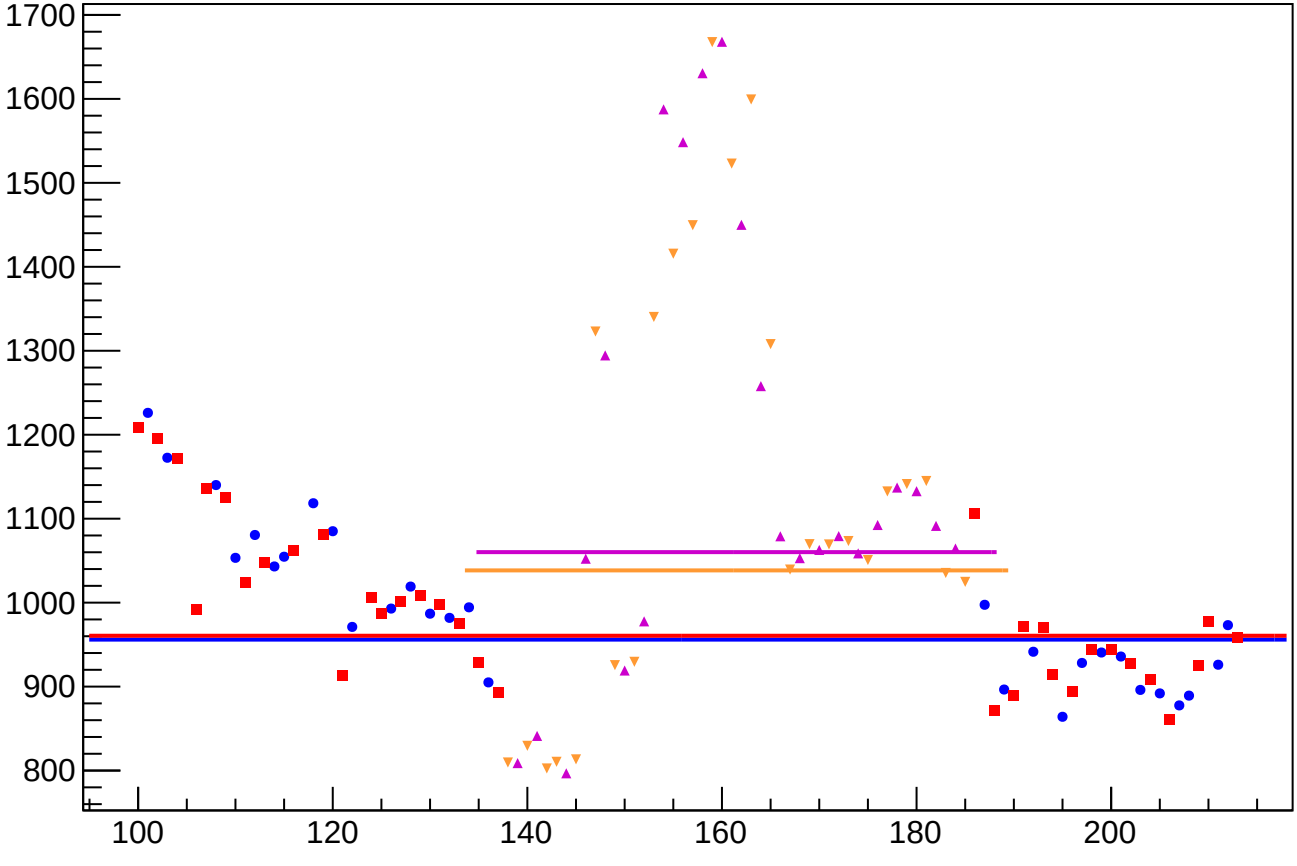
Right: 1.545+/-0.159 χ^2/NDF: 3587.9/62

In: 0.018+/-0.171 χ^2/NDF:830.3/51

Out: 2.518+/-0.163 χ^2/NDF:2852.6/58

All: 1.322+/-0.118 χ^2/NDF: 3795.0/110

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 955.974+/-0.162 χ^2/NDF: 266993.9/28

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

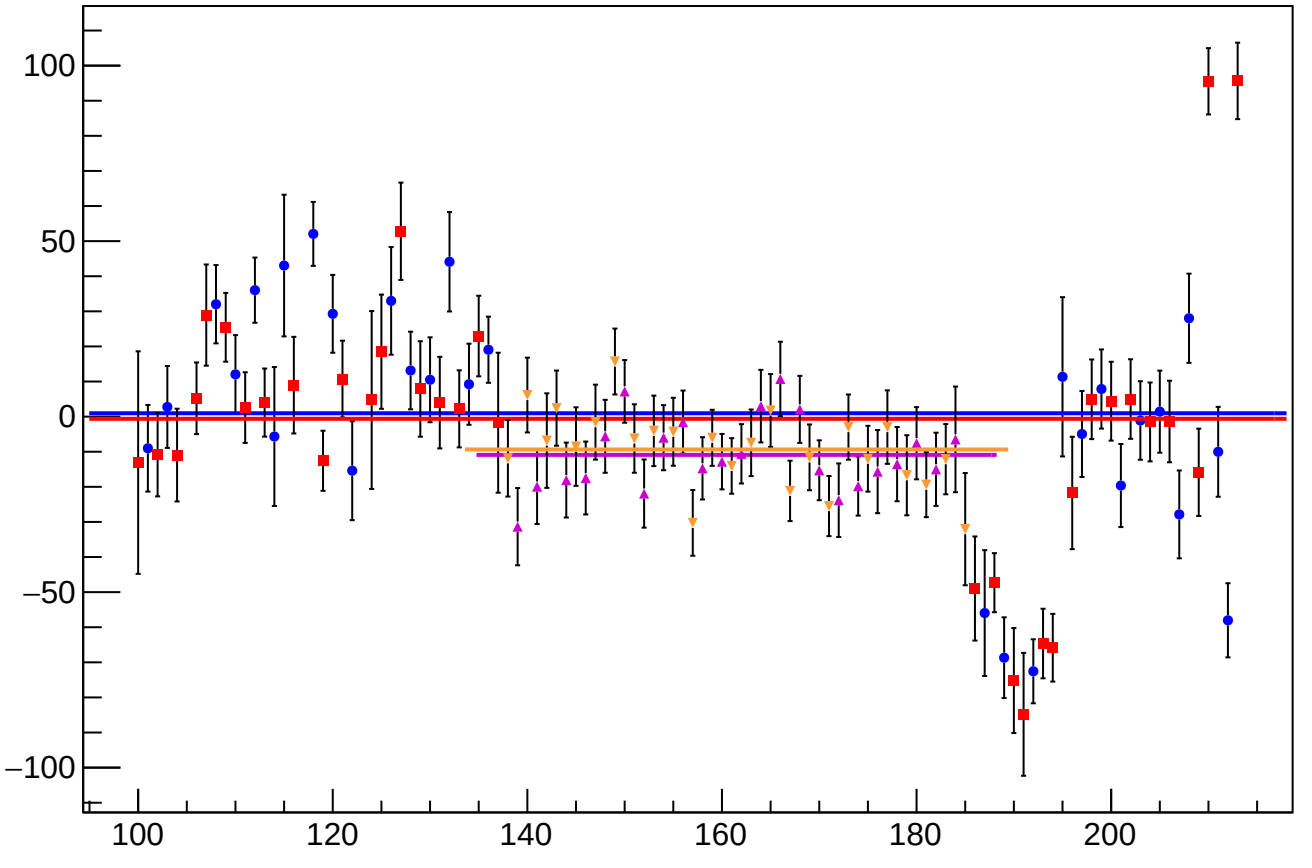
Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

Right: 958.362+/-0.113 χ^2/NDF: 526170.1/62

In: 1002.764+/-0.121 χ^2/NDF:1974899.2/51

Out: 995.825+/-0.115 χ^2/NDF:2078026.6/58

All: 999.144+/-0.083 χ^2/NDF: 4054652.7/110



Right In: 0.961+/-2.214 χ^2/NDF: 244.6/28

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

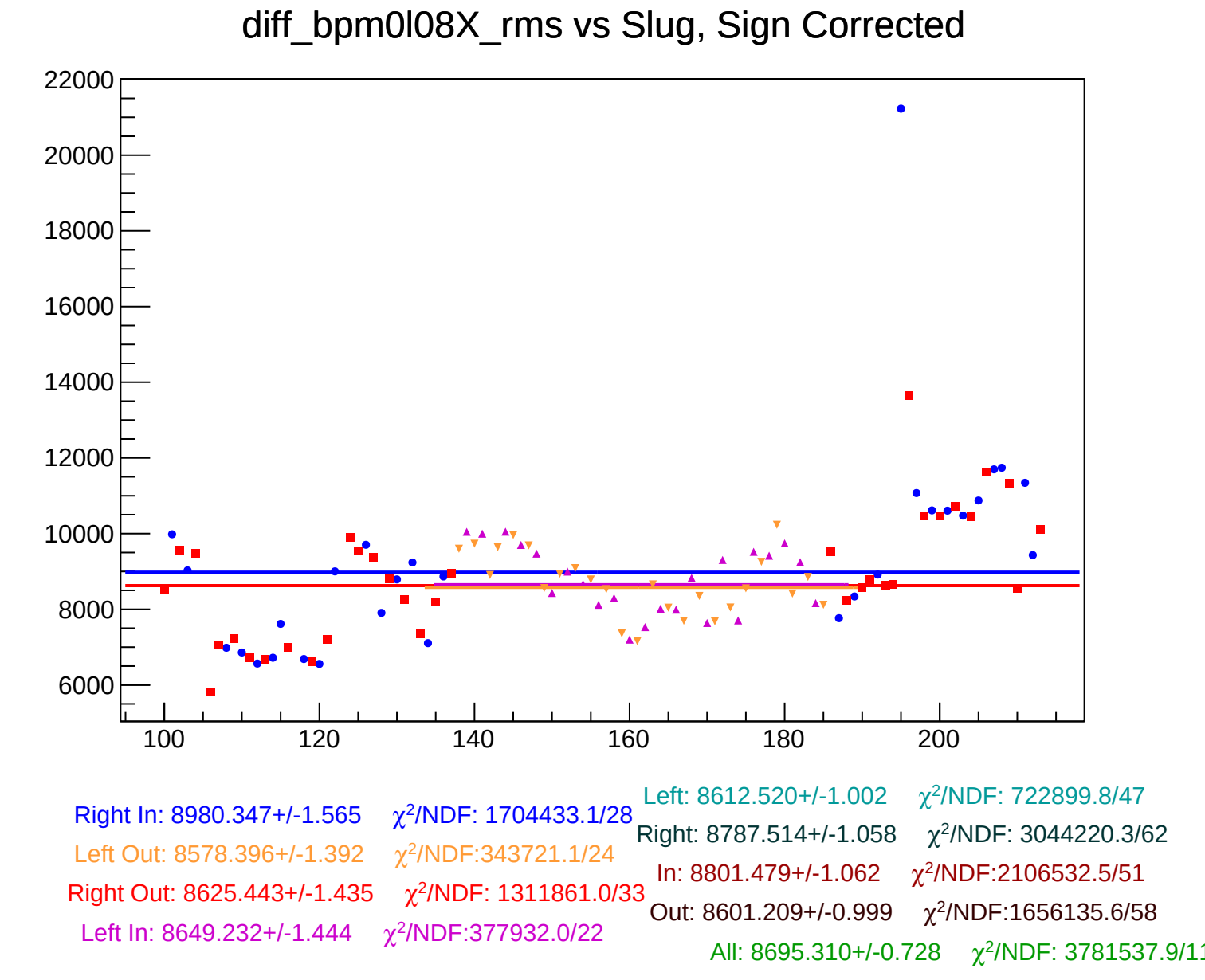
Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

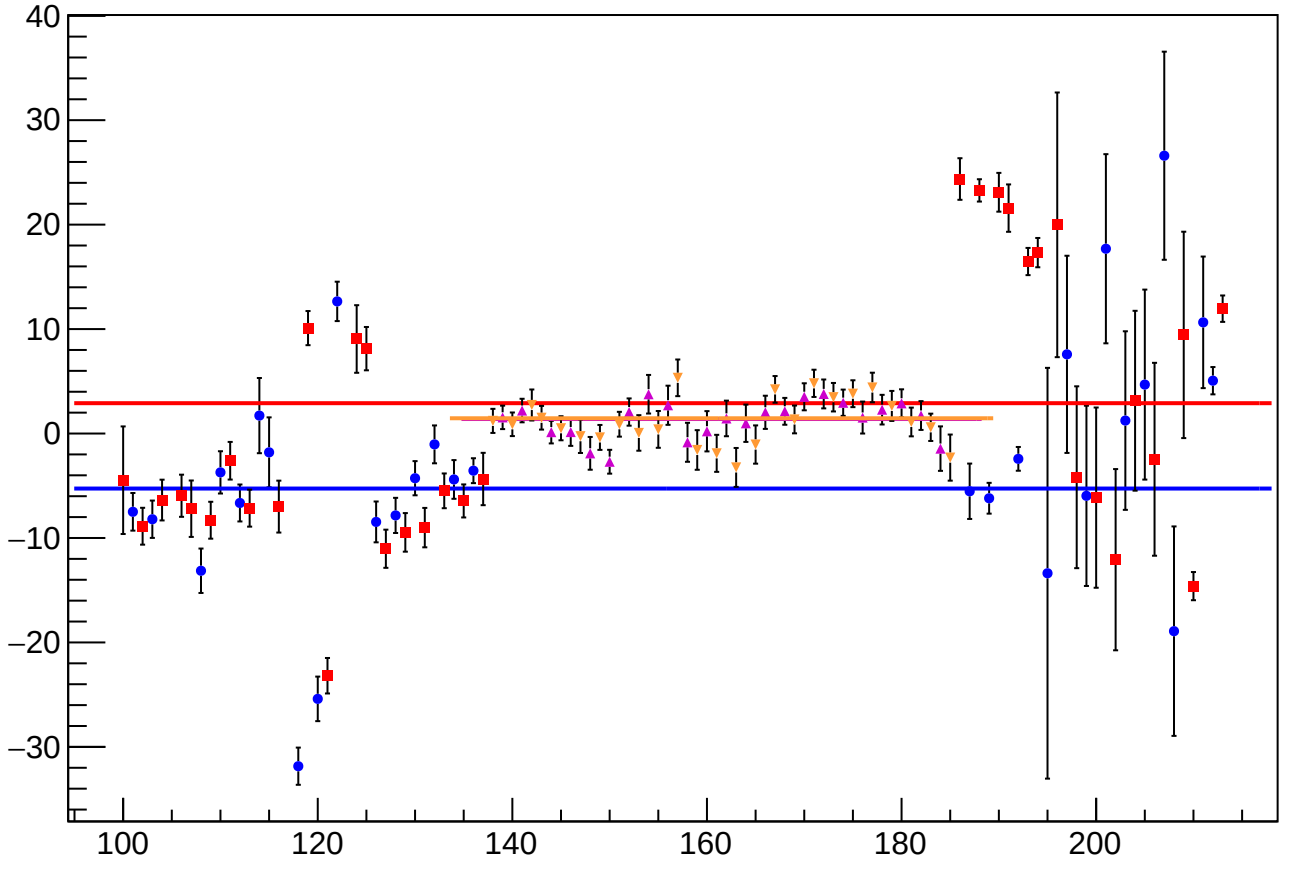
Right: 0.103+/-1.496 χ^2/NDF: 645.4/62

In: -5.442+/-1.501 χ^2/NDF:283.7/51

Out: -5.119+/-1.413 χ^2/NDF:438.5/58

All: -5.271+/-1.029 χ^2/NDF: 722.2/110


diff_bpm0l08X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 8980.347+/-1.565 χ²/NDF: 1704433.1/28
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: 8787.514+/-1.058 χ²/NDF: 3044220.3/62
In: 8801.479+/-1.062 χ²/NDF:2106532.5/51
Out: 8601.209+/-0.999 χ²/NDF:1656135.6/58
All: 8695.310+/-0.728 χ²/NDF: 3781537.9/11



Right In: -5.267+/-0.385 χ^2/NDF: 537.1/28

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

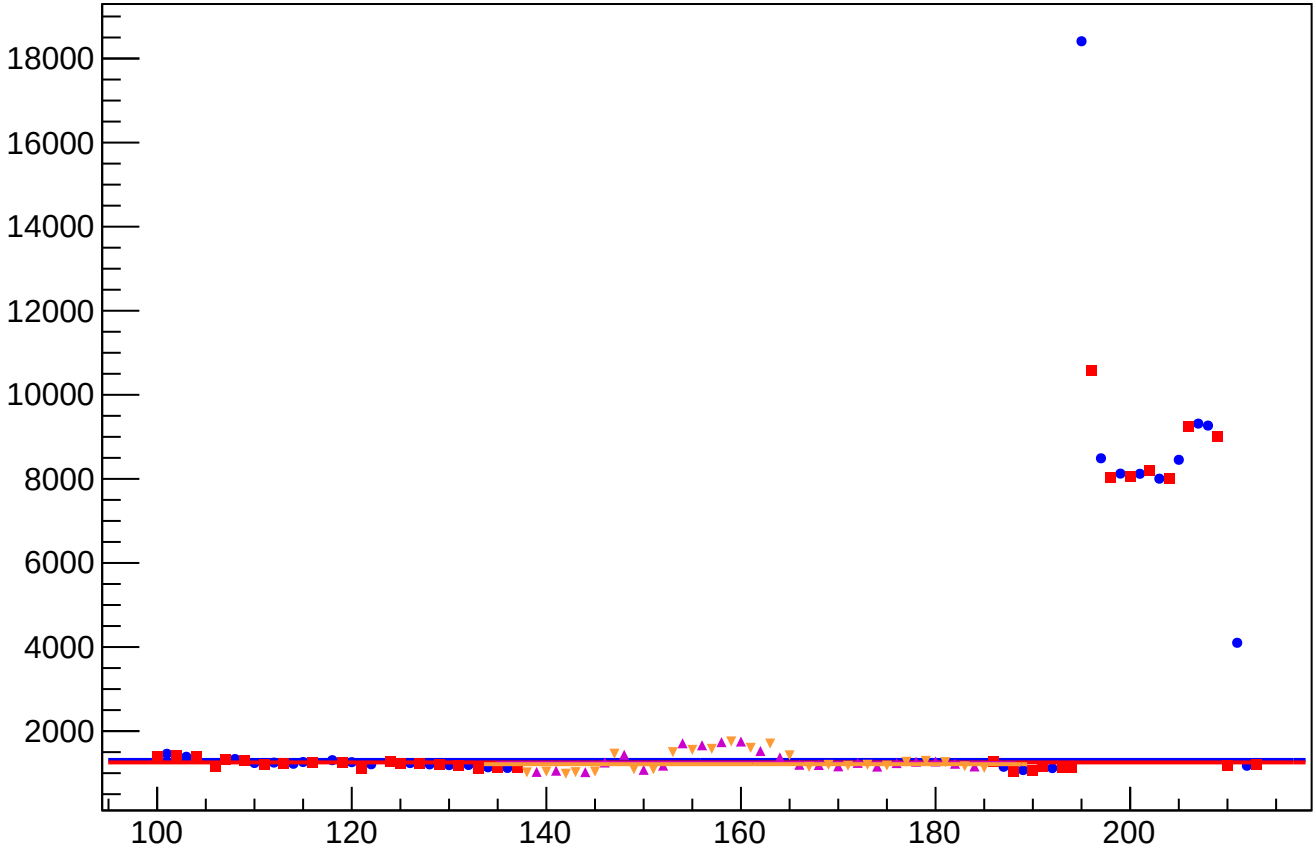
Right: -0.614+/-0.253 χ^2/NDF: 2577.6/62

In: -1.066+/-0.234 χ^2/NDF:761.4/51

Out: 2.057+/-0.215 χ^2/NDF:1845.8/58

All: 0.626+/-0.158 χ^2/NDF: 2703.9/110

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1314.206+/-0.272 χ^2/NDF: 10714441.1/28

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

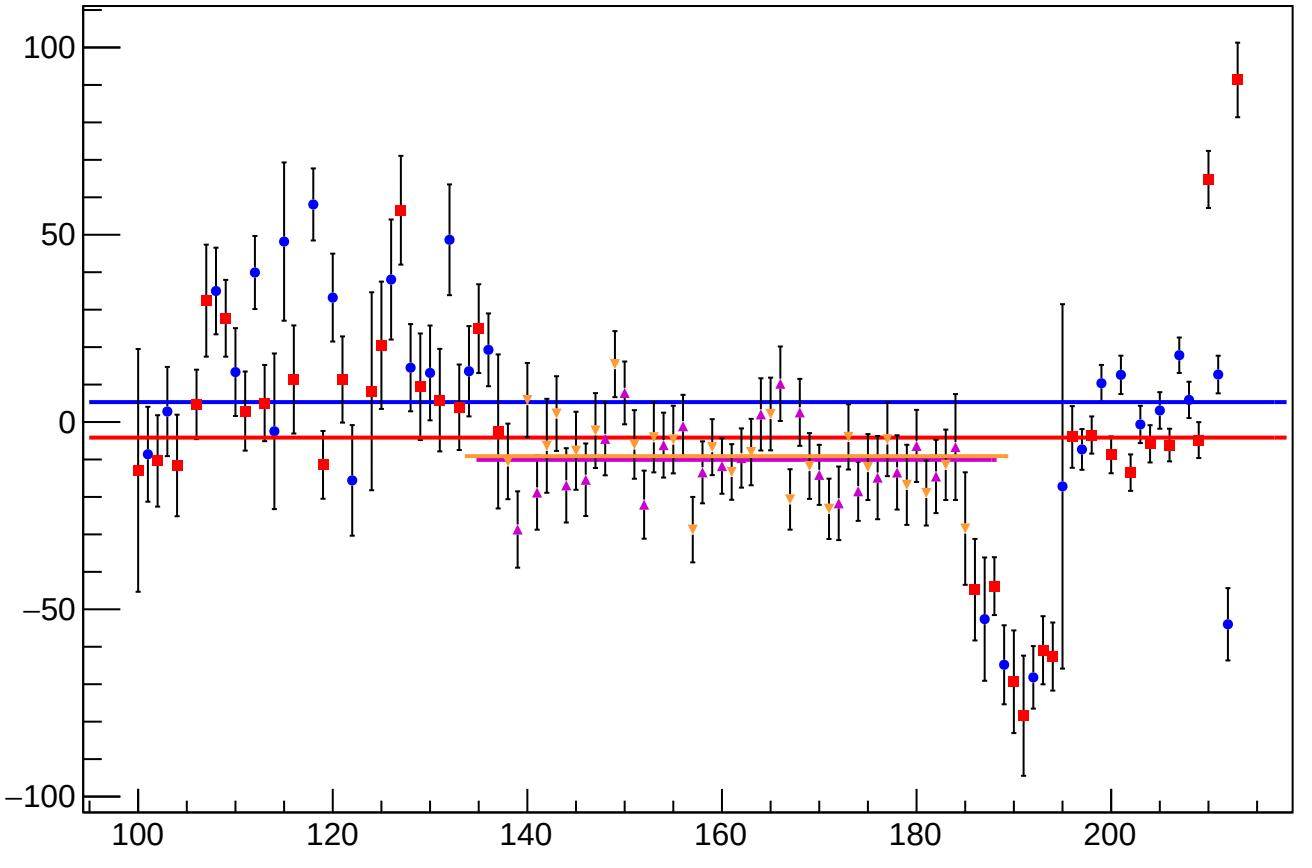
Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

Right: 1280.807+/-0.179 χ^2/NDF: 19748317.1/62

In: 1266.851+/-0.165 χ^2/NDF:11647999.5/51

Out: 1230.706+/-0.152 χ^2/NDF:10038937.8/58

All: 1247.270+/-0.112 χ^2/NDF: 21712837.6/1



Right In: 5.321+/-1.464 χ^2/NDF: 270.5/28

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

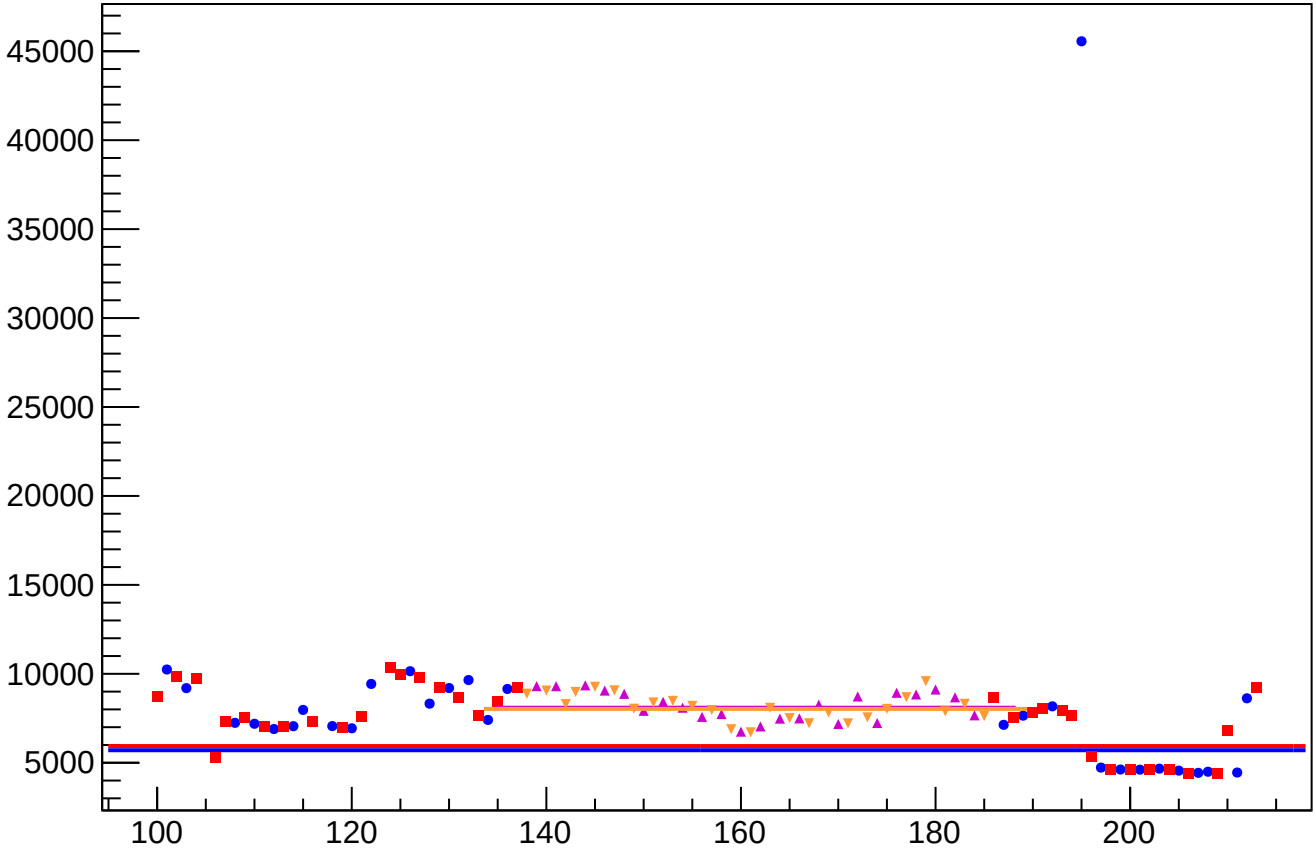
Right: 0.527+/-1.029 χ^2/NDF: 680.0/62

In: -0.381+/-1.162 χ^2/NDF:335.8/51

Out: -6.049+/-1.138 χ^2/NDF:421.6/58

All: -3.275+/-0.813 χ^2/NDF: 769.5/110

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 5703.978+/-1.035 χ^2/NDF: 4215203.3/28

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

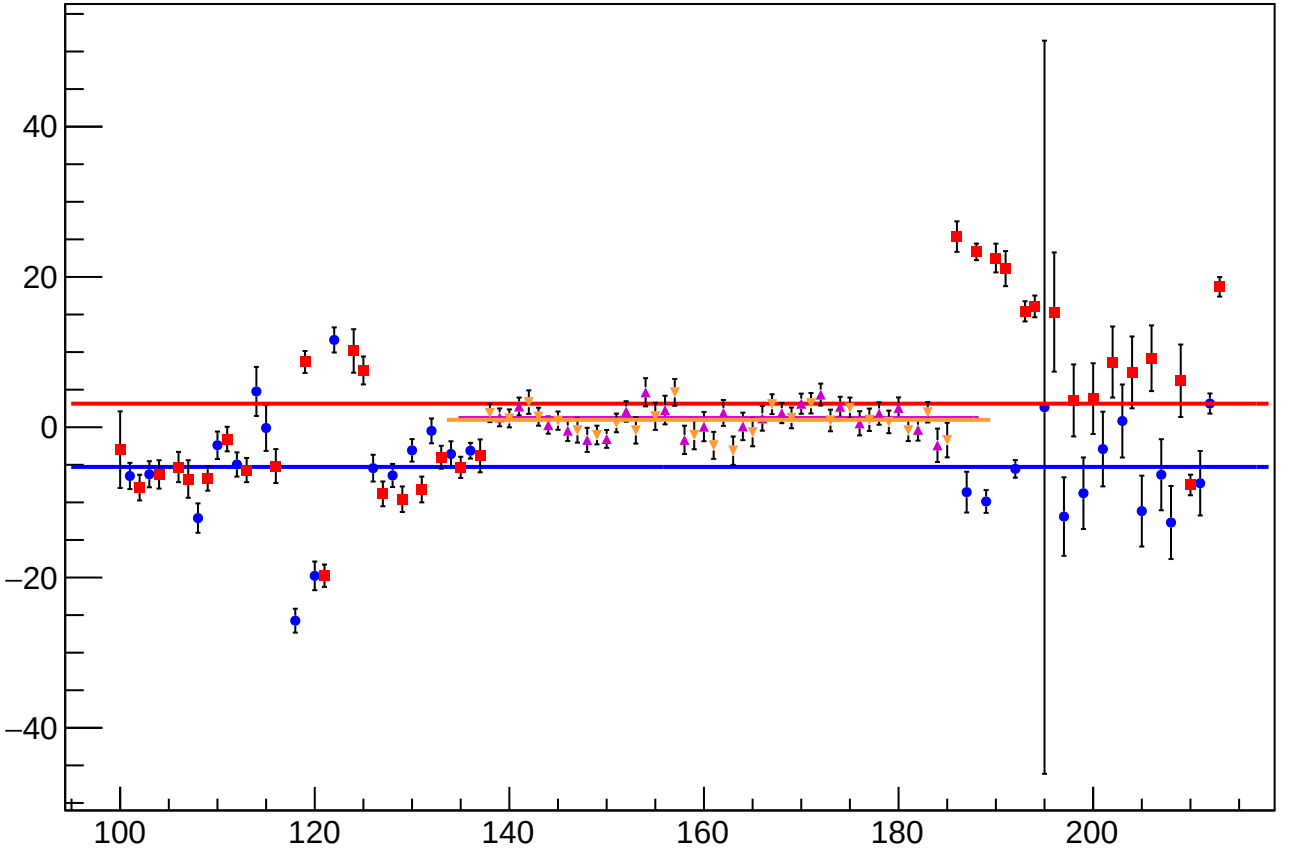
Right: 5822.953+/-0.728 χ^2/NDF: 7217954.1/62

In: 6588.503+/-0.822 χ^2/NDF:6555579.3/51

Out: 6736.394+/-0.805 χ^2/NDF:4898720.7/58

All: 6664.002+/-0.575 χ^2/NDF: 11470827.7/1

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.281+/-0.357 χ^2/NDF: 428.6/28

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

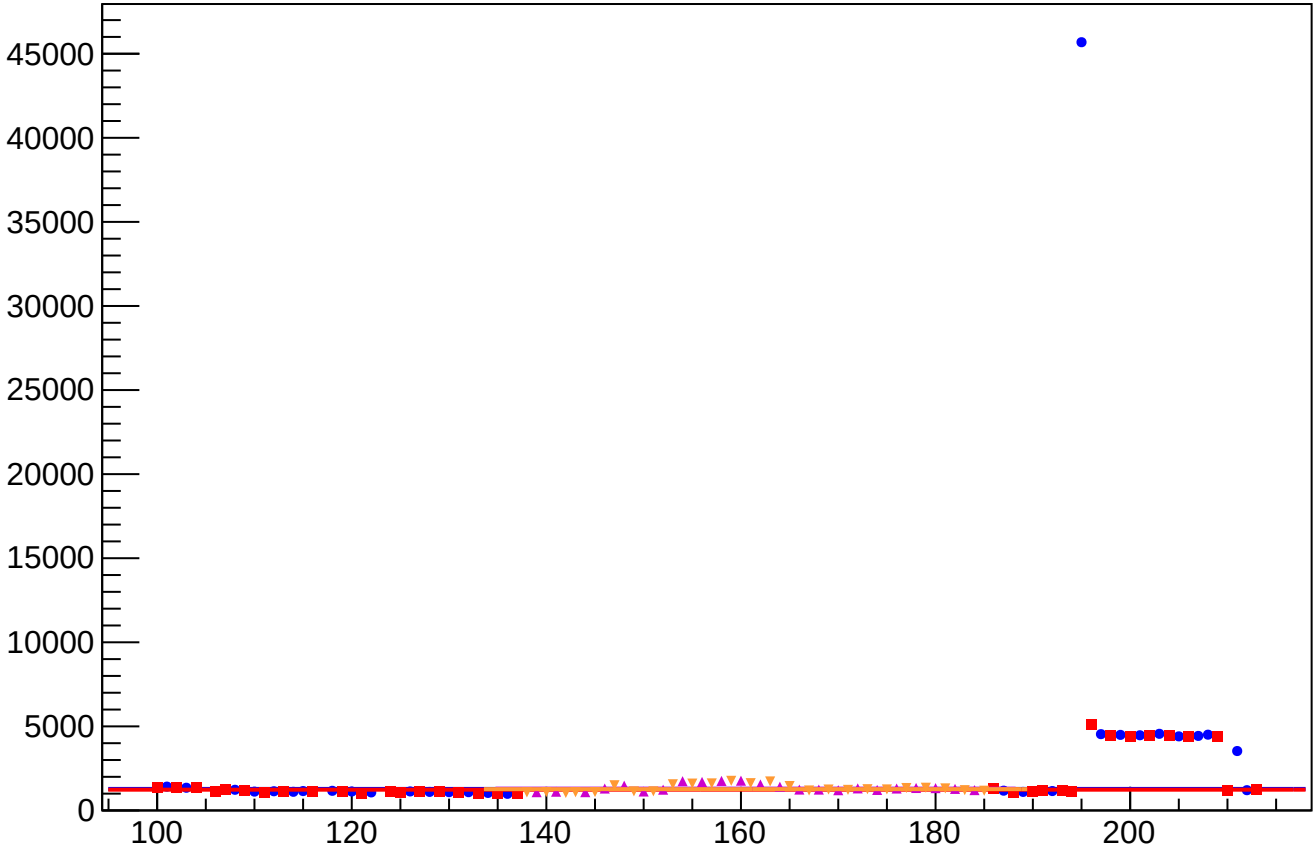
Right: -0.584+/-0.237 χ^2/NDF: 2410.4/62

In: -1.541+/-0.233 χ^2/NDF:652.7/51

Out: 1.974+/-0.215 χ^2/NDF:1726.9/58

All: 0.353+/-0.158 χ^2/NDF: 2502.8/110

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1280.298+/-0.252 χ^2/NDF: 8746511.9/28

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

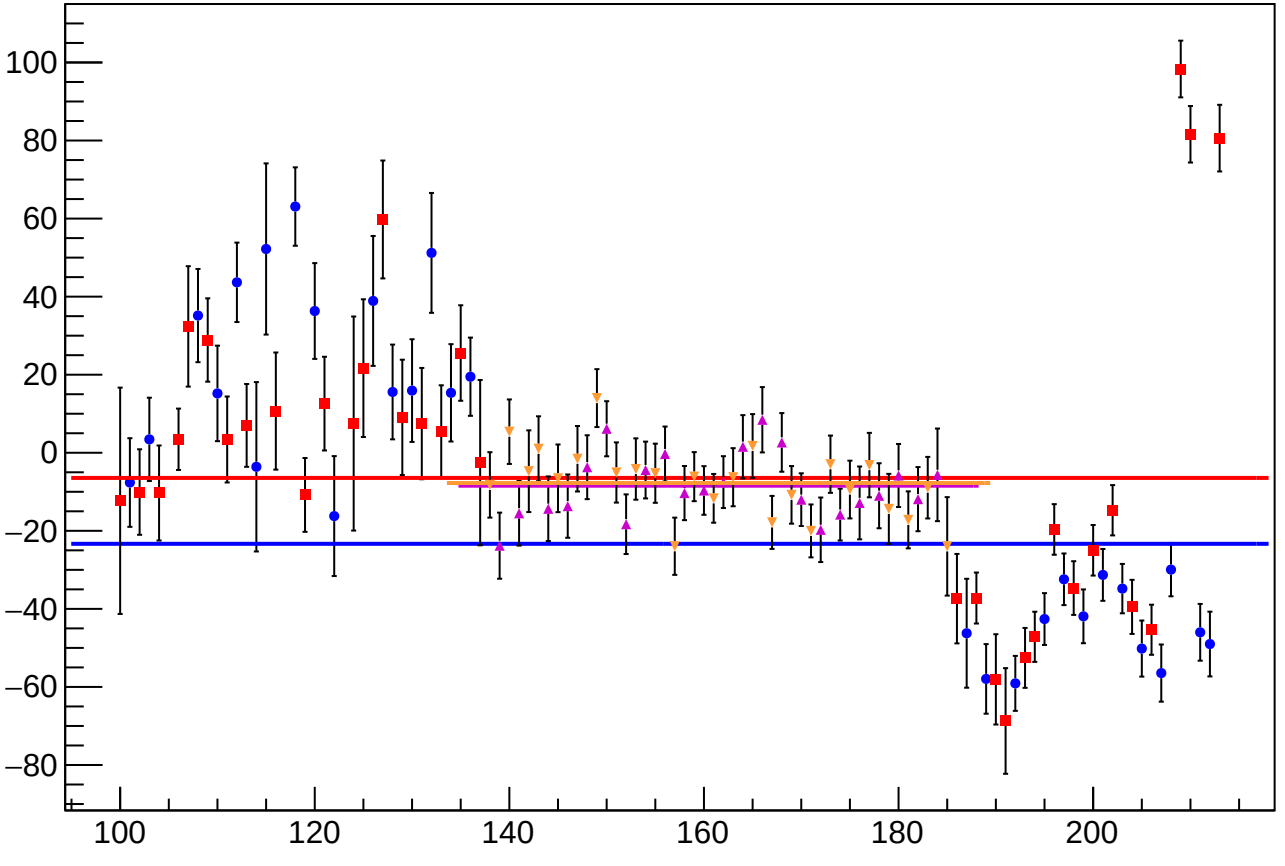
Right: 1255.120+/-0.168 χ^2/NDF: 15167440.2/62

In: 1288.225+/-0.164 χ^2/NDF:9506420.8/51

Out: 1252.622+/-0.152 χ^2/NDF:7292666.7/58

All: 1269.040+/-0.112 χ^2/NDF: 16824349.6/

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -23.329+/-1.698 χ^2/NDF: 401.1/28

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

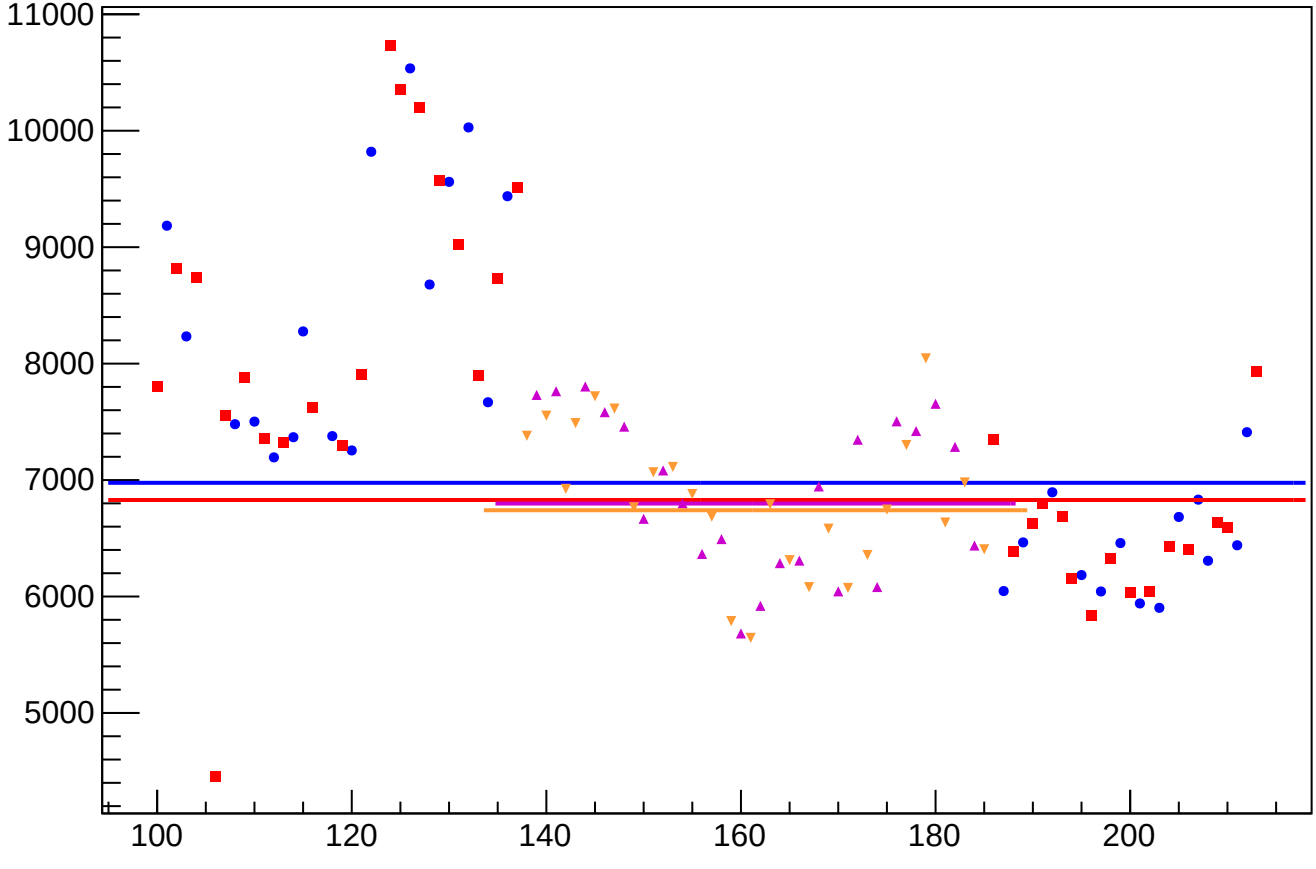
Right: -14.342+/-1.161 χ^2/NDF: 1208.3/62

In: -15.461+/-1.166 χ^2/NDF:466.5/51

Out: -7.118+/-1.109 χ^2/NDF:785.4/58

All: -11.081+/-0.804 χ^2/NDF: 1278.8/110

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 6976.434+/-1.201 χ^2/NDF: 846876.3/28

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

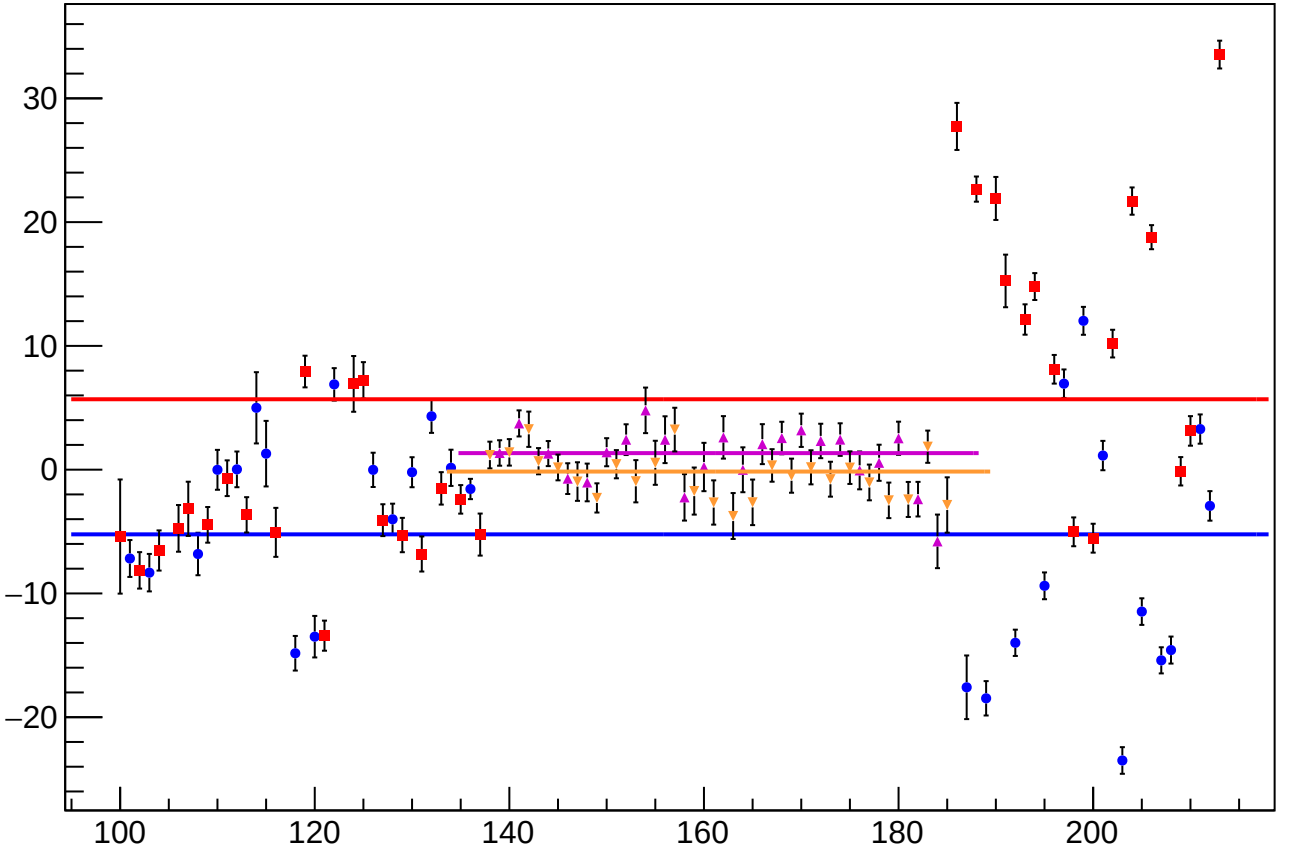
Right: 6897.892+/-0.821 χ^2/NDF: 1853581.6/62

In: 6882.440+/-0.825 χ^2/NDF:1211750.3/51

Out: 6783.585+/-0.784 χ^2/NDF:1318523.1/58

All: 6830.536+/-0.568 χ^2/NDF: 2537817.1/11

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -5.226+/-0.238 χ^2/NDF: 1437.6/28

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

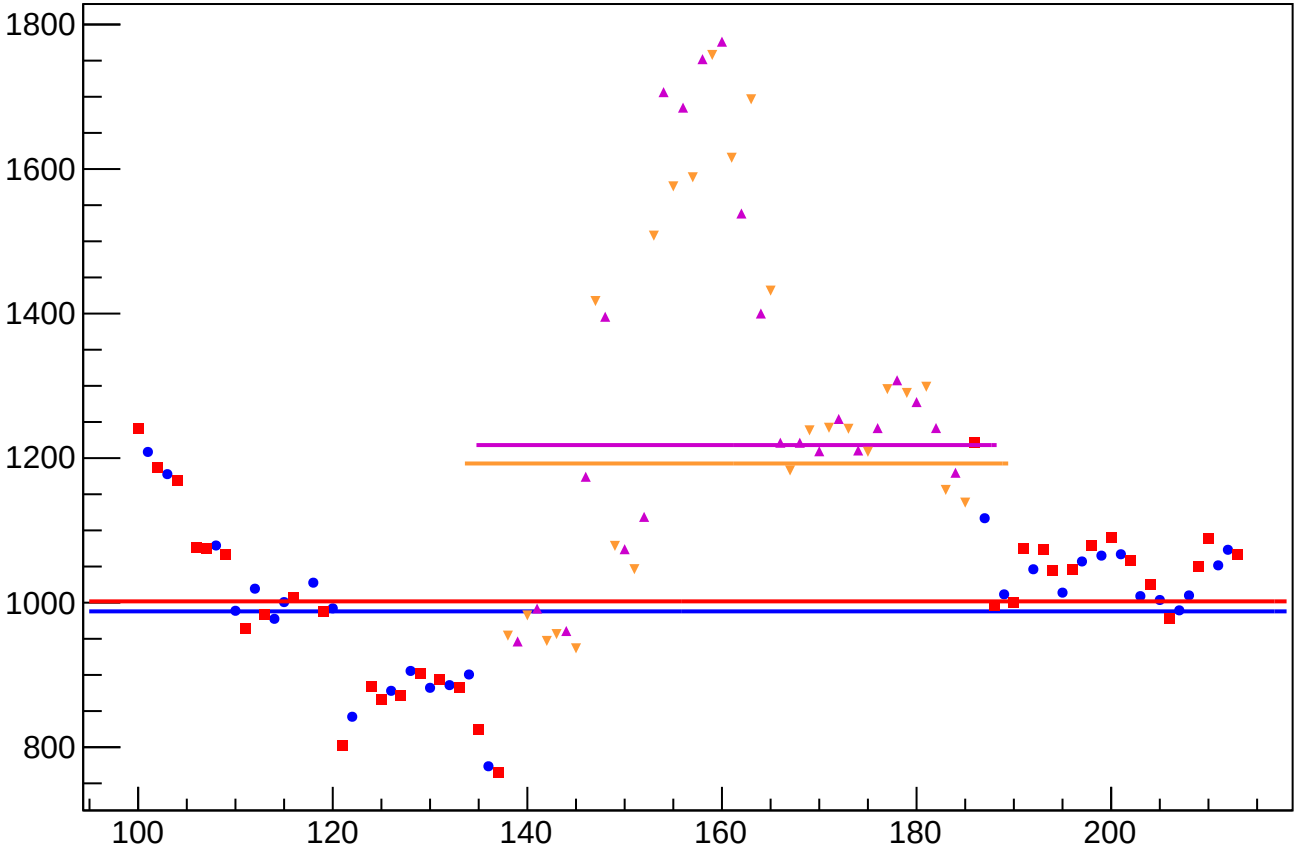
Right: 0.396+/-0.166 χ^2/NDF: 5285.4/62

In: -2.589+/-0.184 χ^2/NDF:1787.7/51

Out: 3.294+/-0.177 χ^2/NDF:3061.2/58

All: 0.462+/-0.128 χ^2/NDF: 5379.7/110

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 987.965+/-0.168 χ^2/NDF: 356304.6/28

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

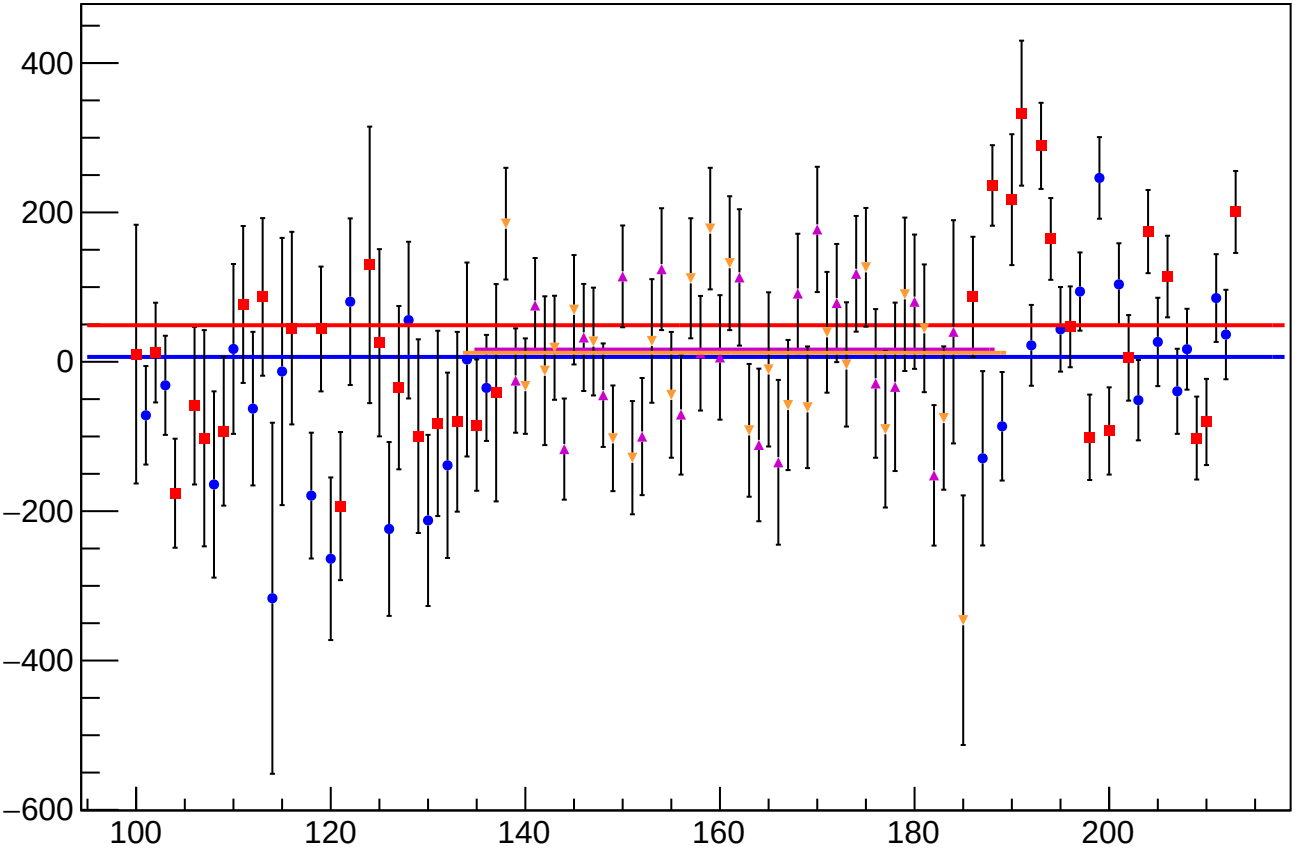
Right: 995.089+/-0.117 χ^2/NDF: 742029.8/62

In: 1080.396+/-0.130 χ^2/NDF:2236662.8/51

Out: 1080.018+/-0.125 χ^2/NDF:2263377.0/58

All: 1080.200+/-0.090 χ^2/NDF: 4500044.2/11

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: 6.520+/-13.599 χ^2/NDF: 59.6/28

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

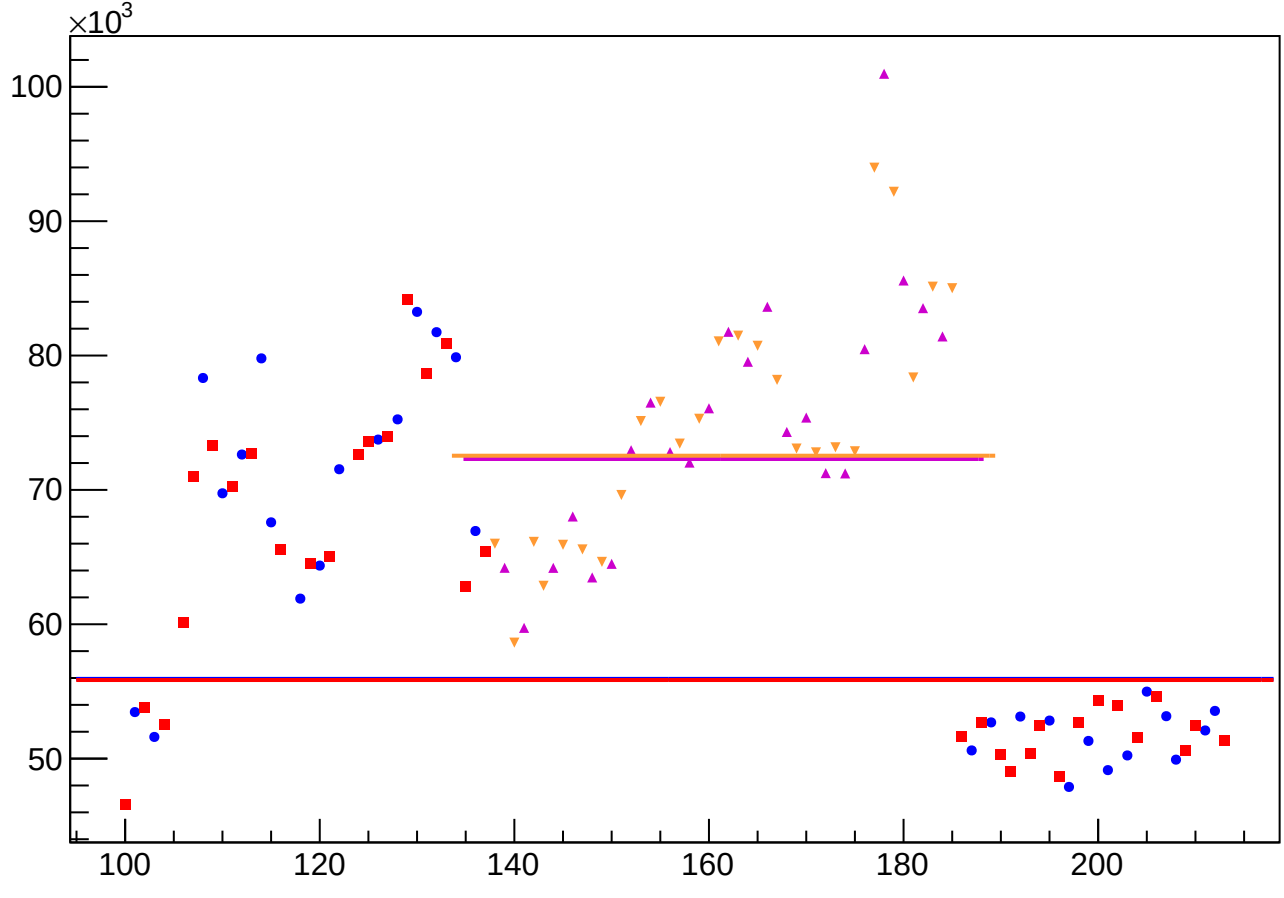
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 28.735+/-9.386 χ^2/NDF: 178.2/62

In: 10.346+/-10.624 χ^2/NDF:88.5/51

Out: 34.978+/-10.222 χ^2/NDF:149.3/58

All: 23.137+/-7.366 χ^2/NDF: 240.6/110



Right In: 55933.678+/-9.616 χ^2/NDF: 854624.3/28

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

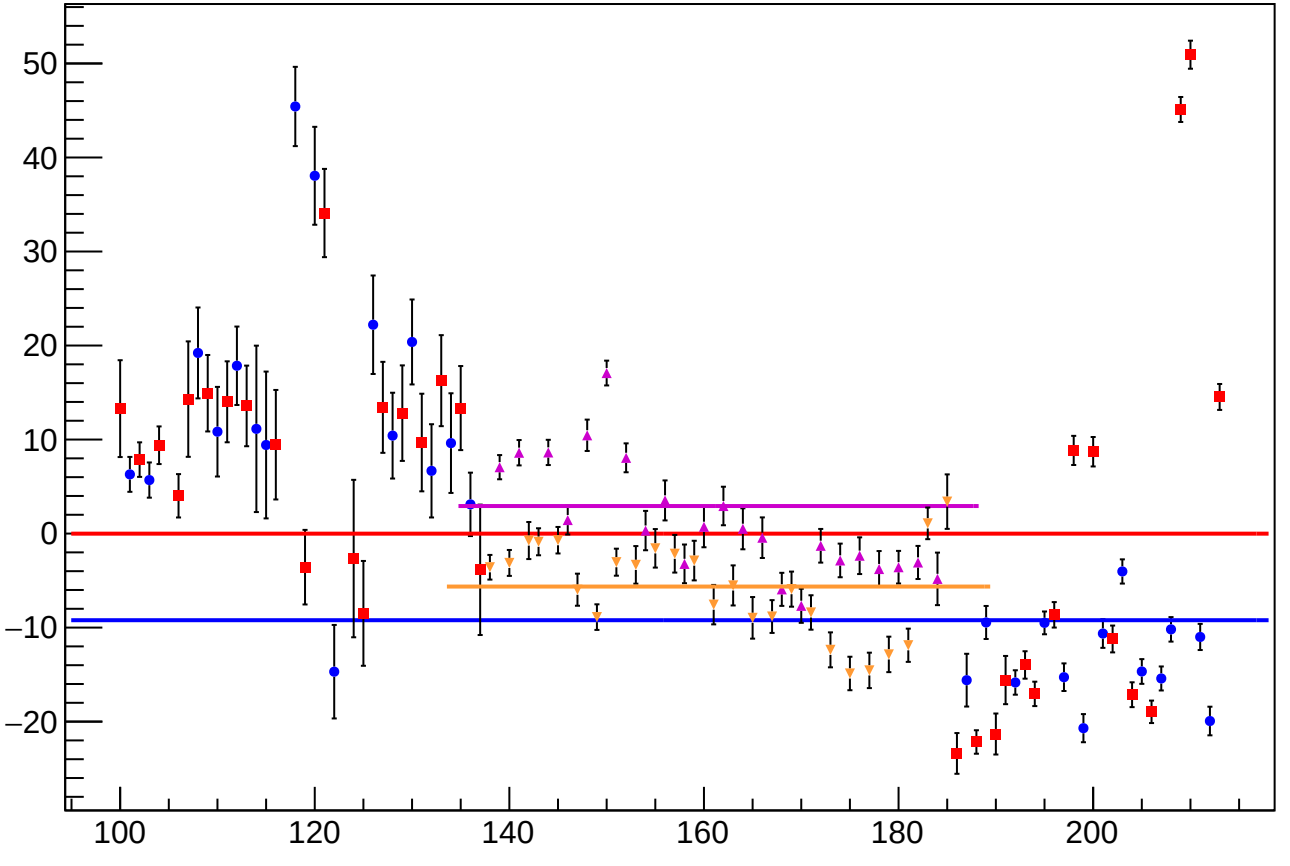
Right: 55889.637+/-6.637 χ^2/NDF: 1625168.6/62

In: 62312.165+/-7.512 χ^2/NDF:2472391.4/51

Out: 62174.314+/-7.228 χ^2/NDF:2525902.2/58

All: 62240.586+/-5.209 χ^2/NDF: 4998468.4/1

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -9.215+/-0.363 χ^2/NDF: 840.6/28

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

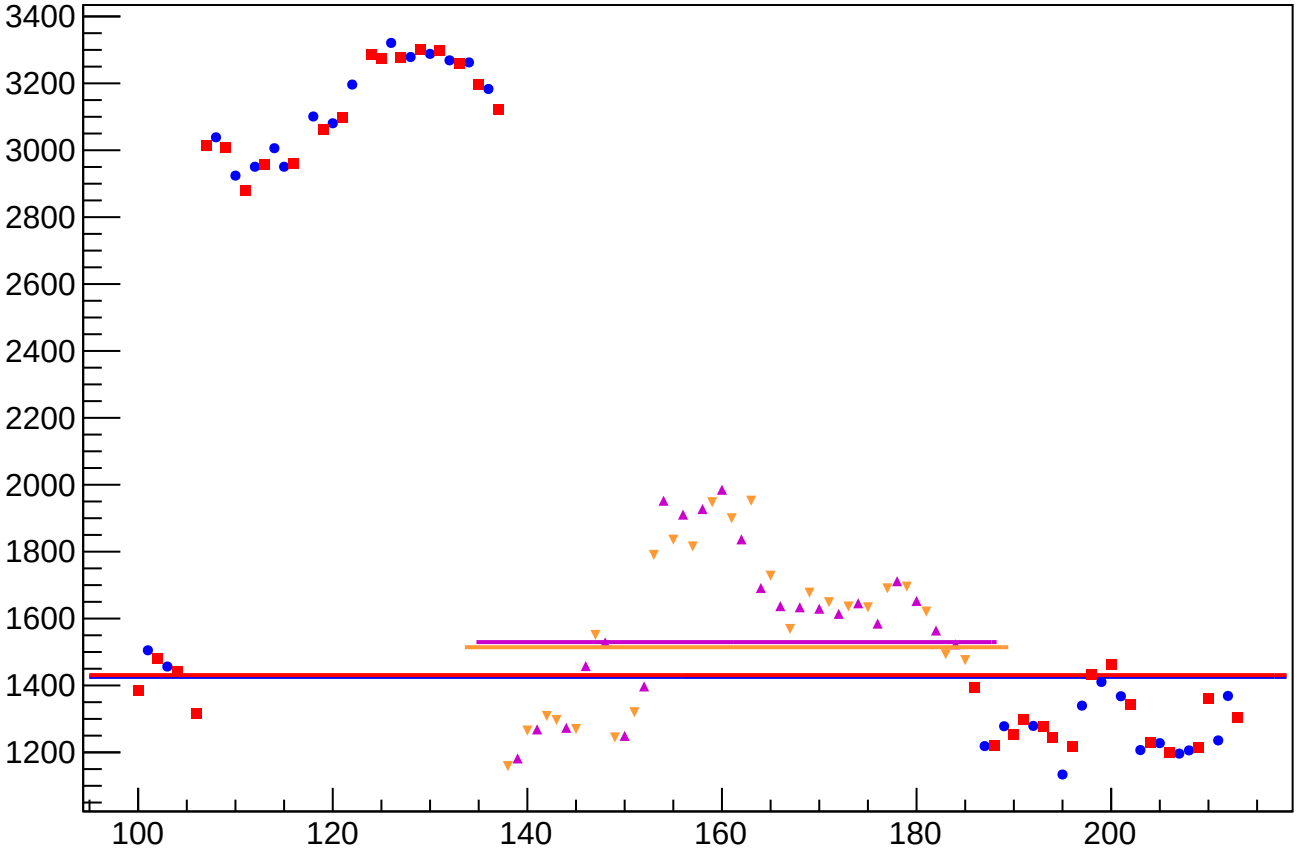
Right: -4.392+/-0.251 χ^2/NDF: 5206.1/62

In: -3.127+/-0.257 χ^2/NDF:1738.3/51

Out: -2.800+/-0.246 χ^2/NDF:4338.2/58

All: -2.957+/-0.177 χ^2/NDF: 6077.3/110

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1425.650+/-0.257 χ^2/NDF: 4035630.7/28

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

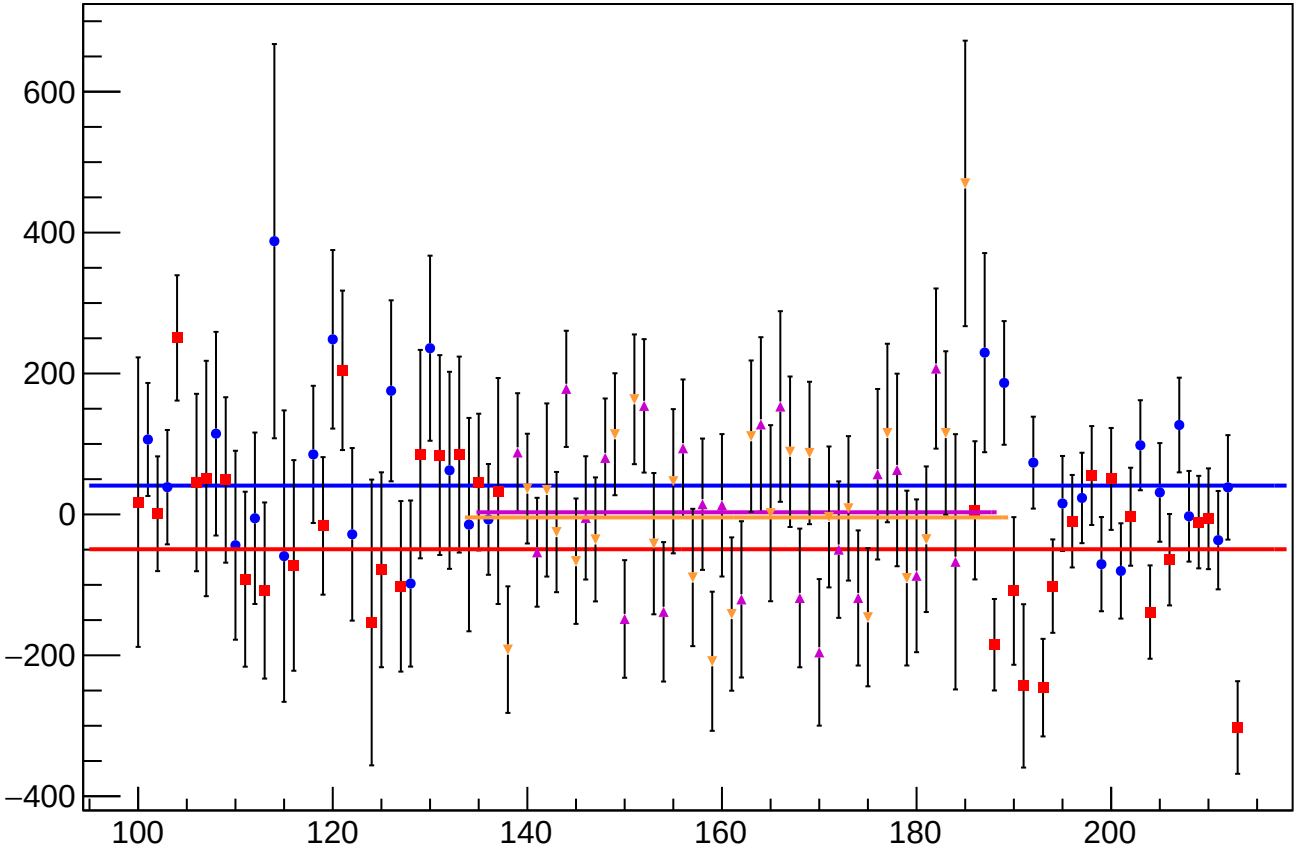
Right: 1428.390+/-0.177 χ^2/NDF: 7931728.9/62

In: 1477.783+/-0.181 χ^2/NDF:4946278.3/51

Out: 1472.278+/-0.174 χ^2/NDF:4886832.6/58

All: 1474.913+/-0.126 χ^2/NDF: 9833591.0/11

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 40.894+/-16.192 χ^2/NDF: 26.8/28

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

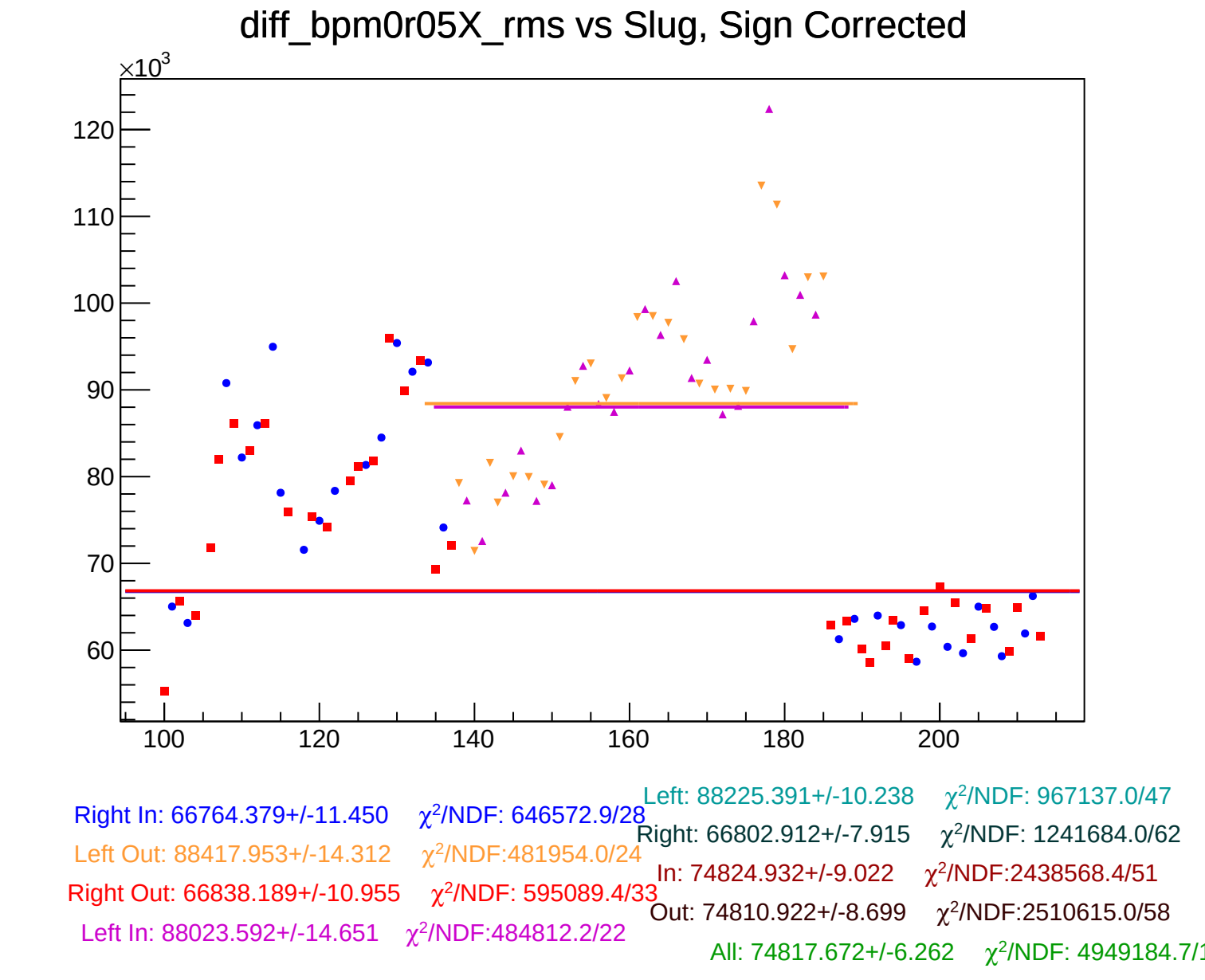
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: -6.268+/-11.194 χ^2/NDF: 105.2/62

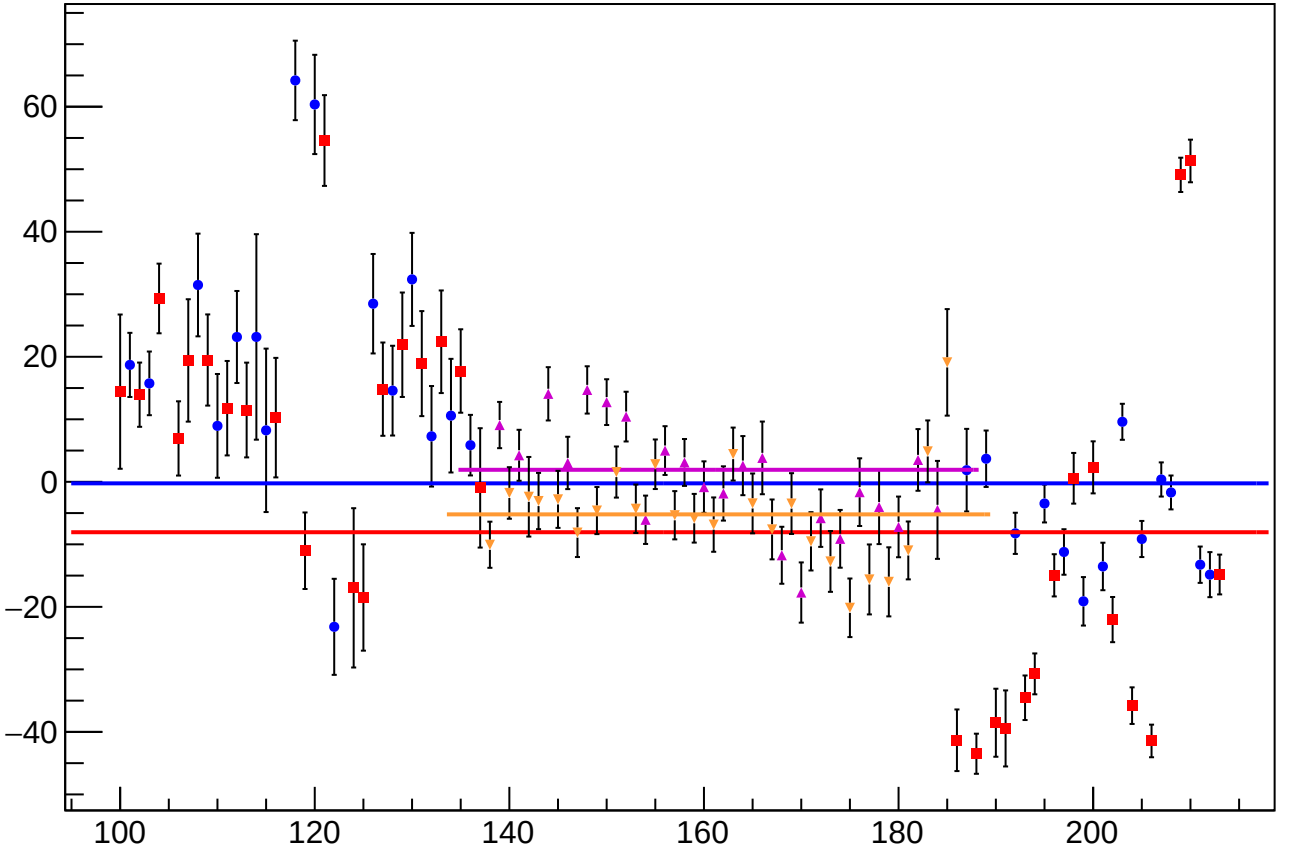
In: 26.532+/-12.758 χ^2/NDF:59.6/51

Out: -32.756+/-12.302 χ^2/NDF:95.8/58

All: -4.190+/-8.856 χ^2/NDF: 166.6/110


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
Right In: 66764.379+/-11.450 χ²/NDF: 646572.9/28
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: 66802.912+/-7.915 χ²/NDF: 1241684.0/62
In: 74824.932+/-9.022 χ²/NDF:2438568.4/51
Out: 74810.922+/-8.699 χ²/NDF:2510615.0/58
All: 74817.672+/-6.262 χ²/NDF: 4949184.7/1

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: -0.243+/-0.815 χ^2/NDF: 373.5/28

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

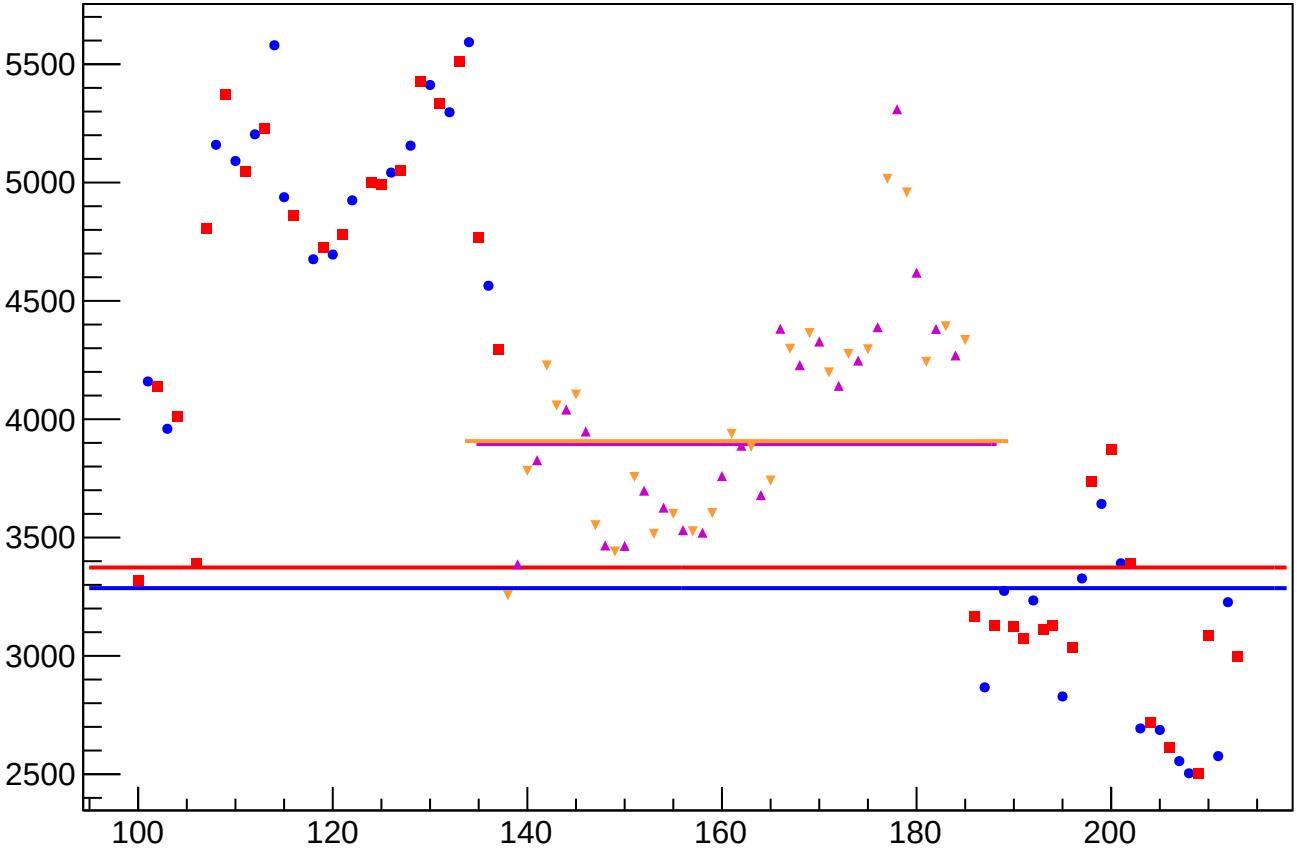
Right: -4.243+/-0.570 χ^2/NDF: 2026.5/62

In: 0.714+/-0.609 χ^2/NDF:459.9/51

Out: -6.797+/-0.595 χ^2/NDF:1662.6/58

All: -3.131+/-0.425 χ^2/NDF: 2200.4/110

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 3286.201+/-0.576 χ^2/NDF: 2210525.6/28

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

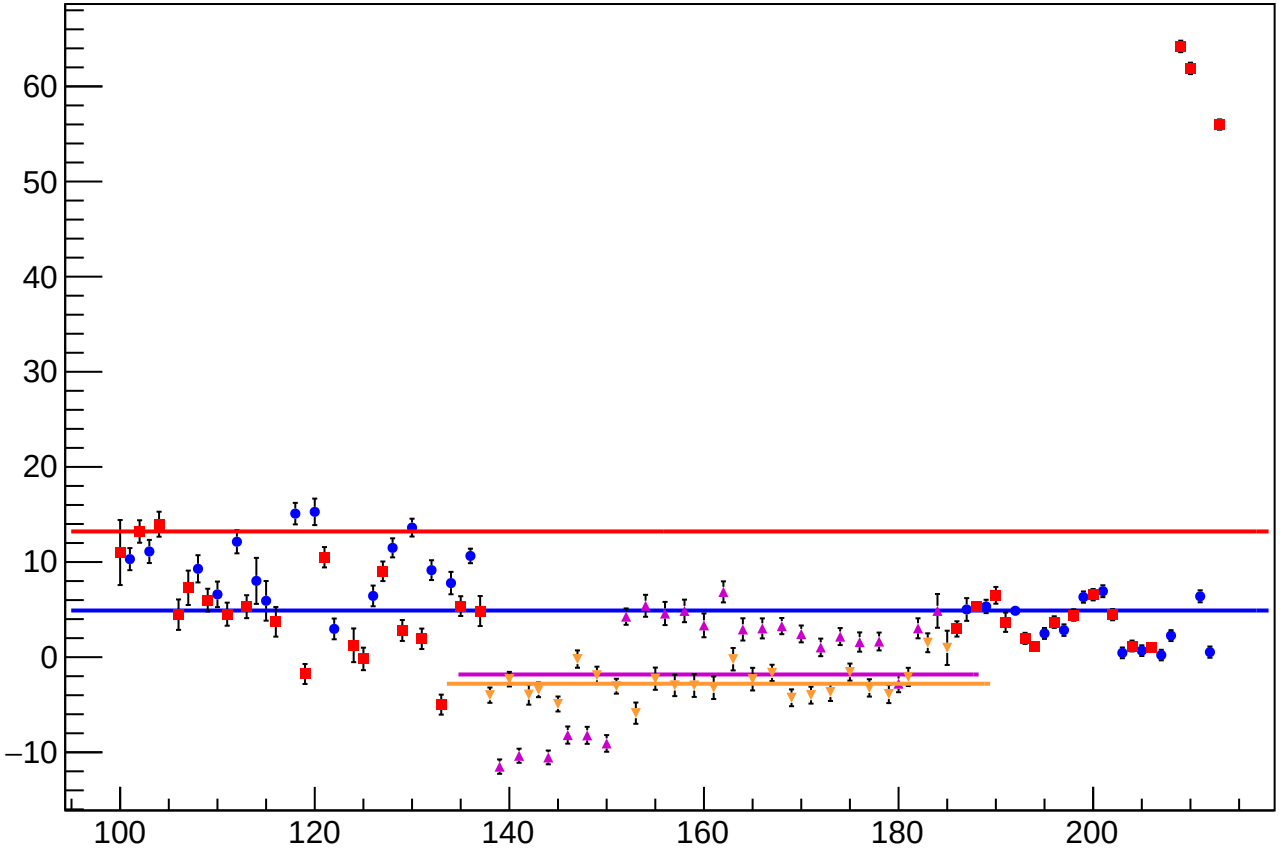
Right: 3330.813+/-0.403 χ^2/NDF: 4226572.7/62

In: 3555.196+/-0.431 χ^2/NDF:3113495.9/51

Out: 3609.781+/-0.420 χ^2/NDF:2843505.6/58

All: 3583.139+/-0.301 χ^2/NDF: 5965226.6/11

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 4.904+/-0.145 χ^2/NDF: 764.6/28

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

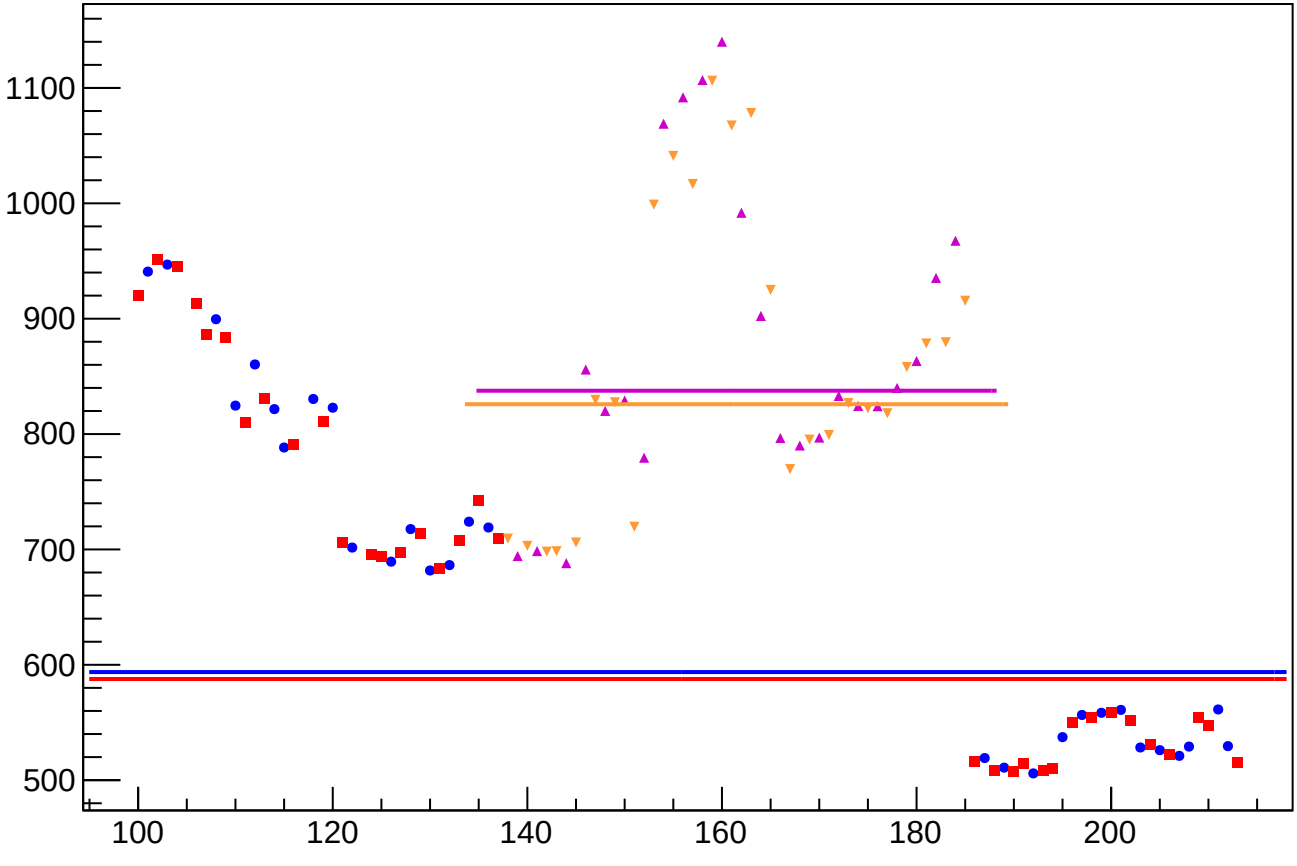
Right: 9.284+/-0.100 χ^2/NDF: 26850.5/62

In: 2.566+/-0.117 χ^2/NDF:2541.6/51

Out: 7.737+/-0.111 χ^2/NDF:29081.7/58

All: 5.280+/-0.081 χ^2/NDF: 32651.1/110

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 593.715+/-0.102 χ^2/NDF: 1227038.8/28

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

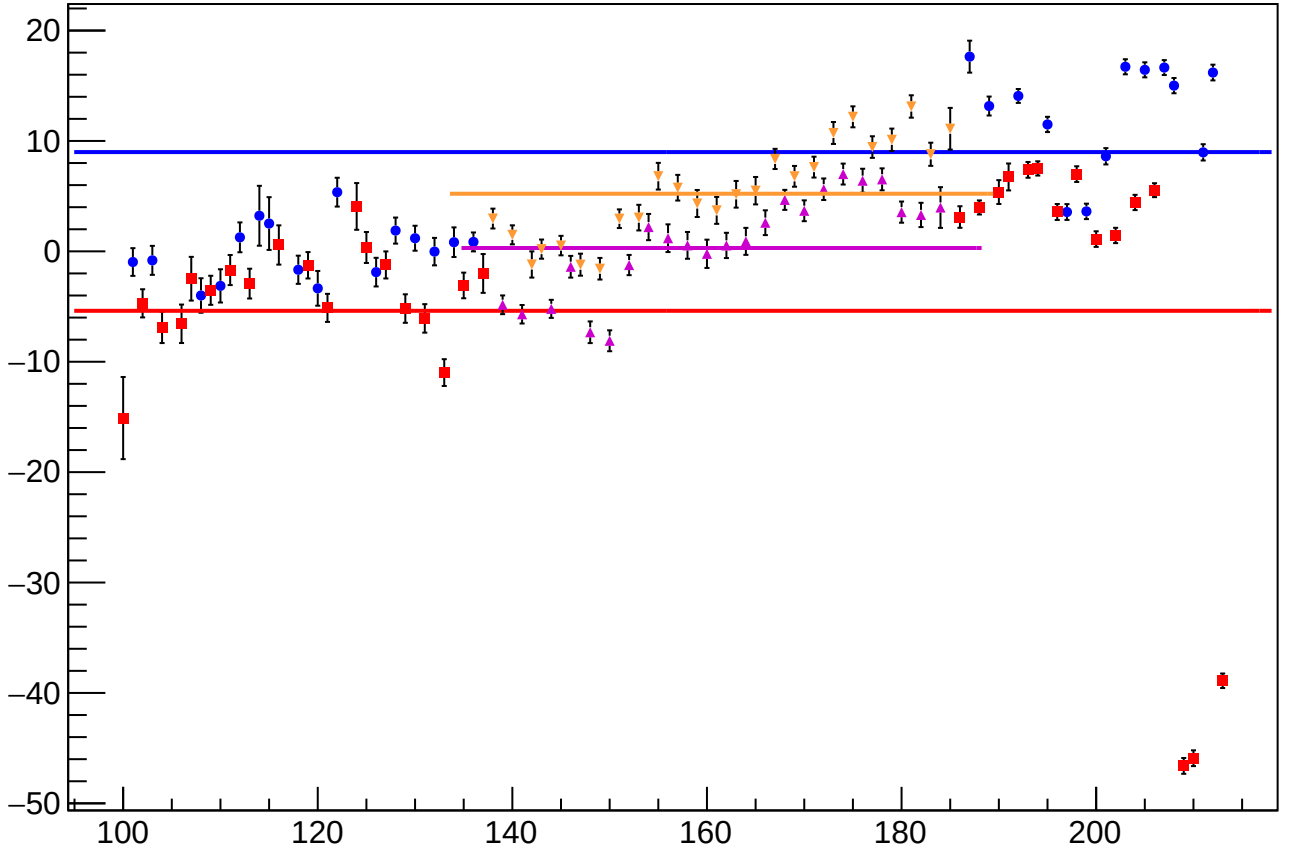
Right: 590.548+/-0.070 χ^2/NDF: 2613043.7/62

In: 678.522+/-0.083 χ^2/NDF:3916437.5/51

Out: 669.213+/-0.079 χ^2/NDF:4215027.6/58

All: 673.636+/-0.057 χ^2/NDF: 8138125.9/110

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 8.992+/-0.172 χ^2/NDF: 1578.2/28

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

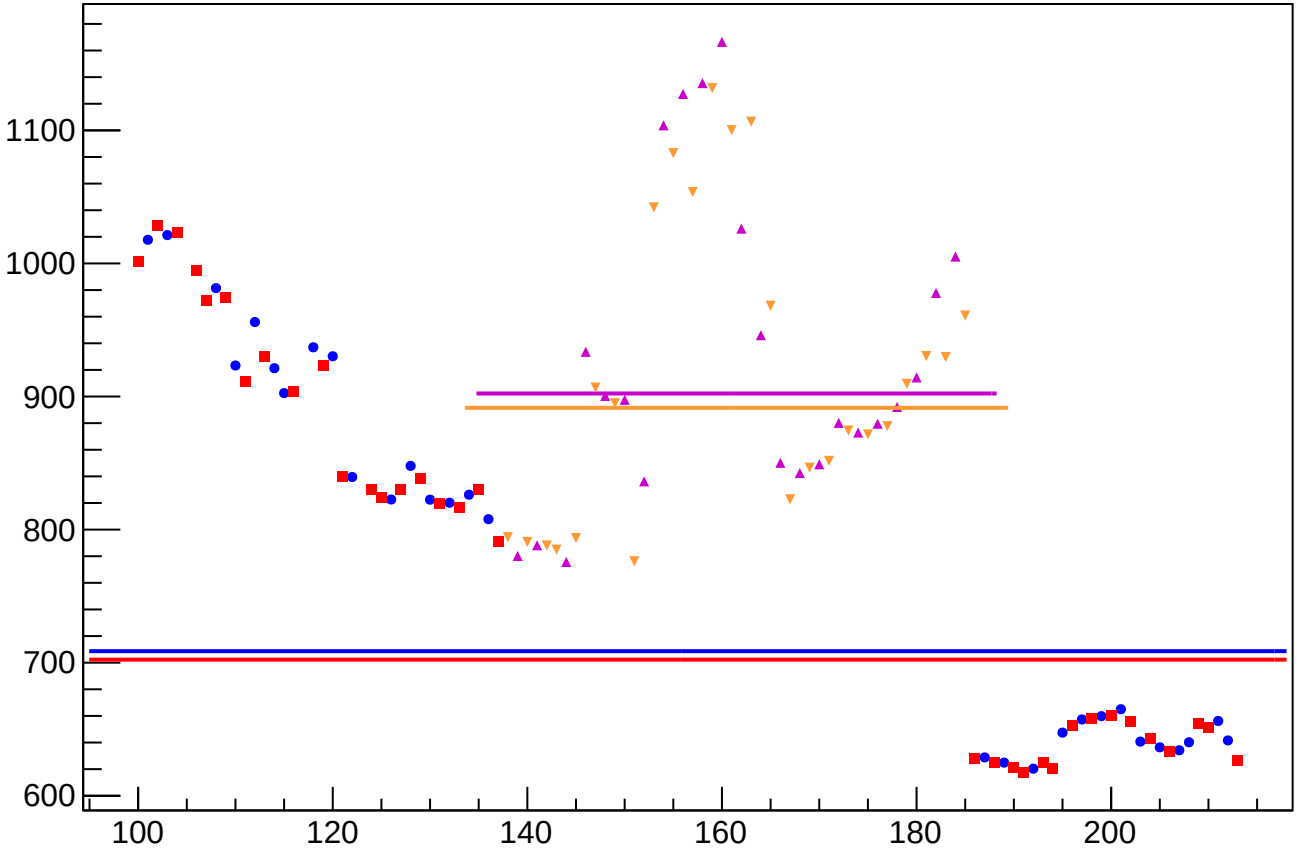
Right: 1.423+/-0.118 χ^2/NDF: 16869.9/62

In: 5.558+/-0.134 χ^2/NDF:3082.7/51

Out: -1.261+/-0.127 χ^2/NDF:13704.6/58

All: 1.986+/-0.092 χ^2/NDF: 18150.6/110

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 708.668+/-0.122 χ^2/NDF: 895533.8/28

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

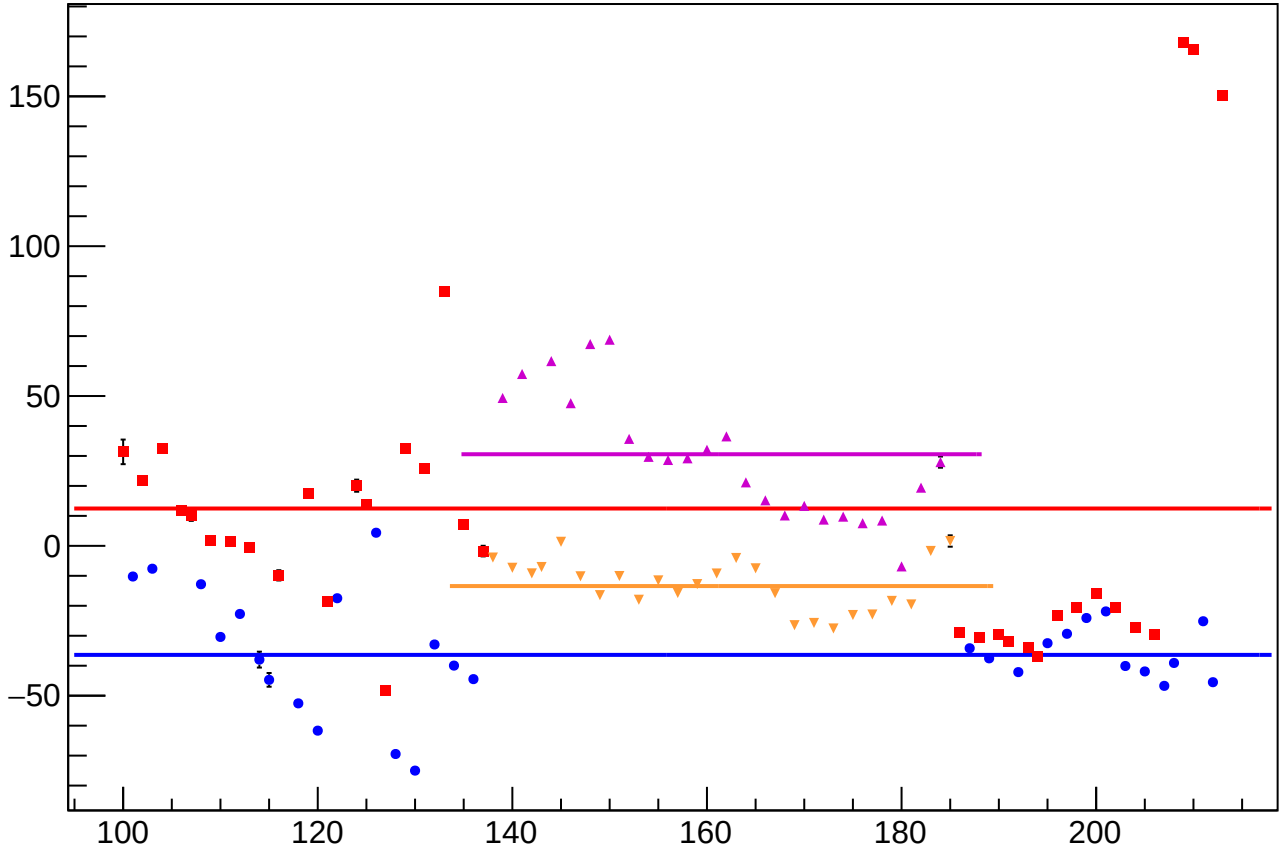
Right: 705.311+/-0.084 χ^2/NDF: 1908730.1/62

In: 785.188+/-0.095 χ^2/NDF:2383220.3/51

Out: 775.871+/-0.090 χ^2/NDF:2577041.1/58

All: 780.307+/-0.065 χ^2/NDF: 4965350.9/110

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -36.386+/-0.169 χ^2/NDF: 6856.8/28

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

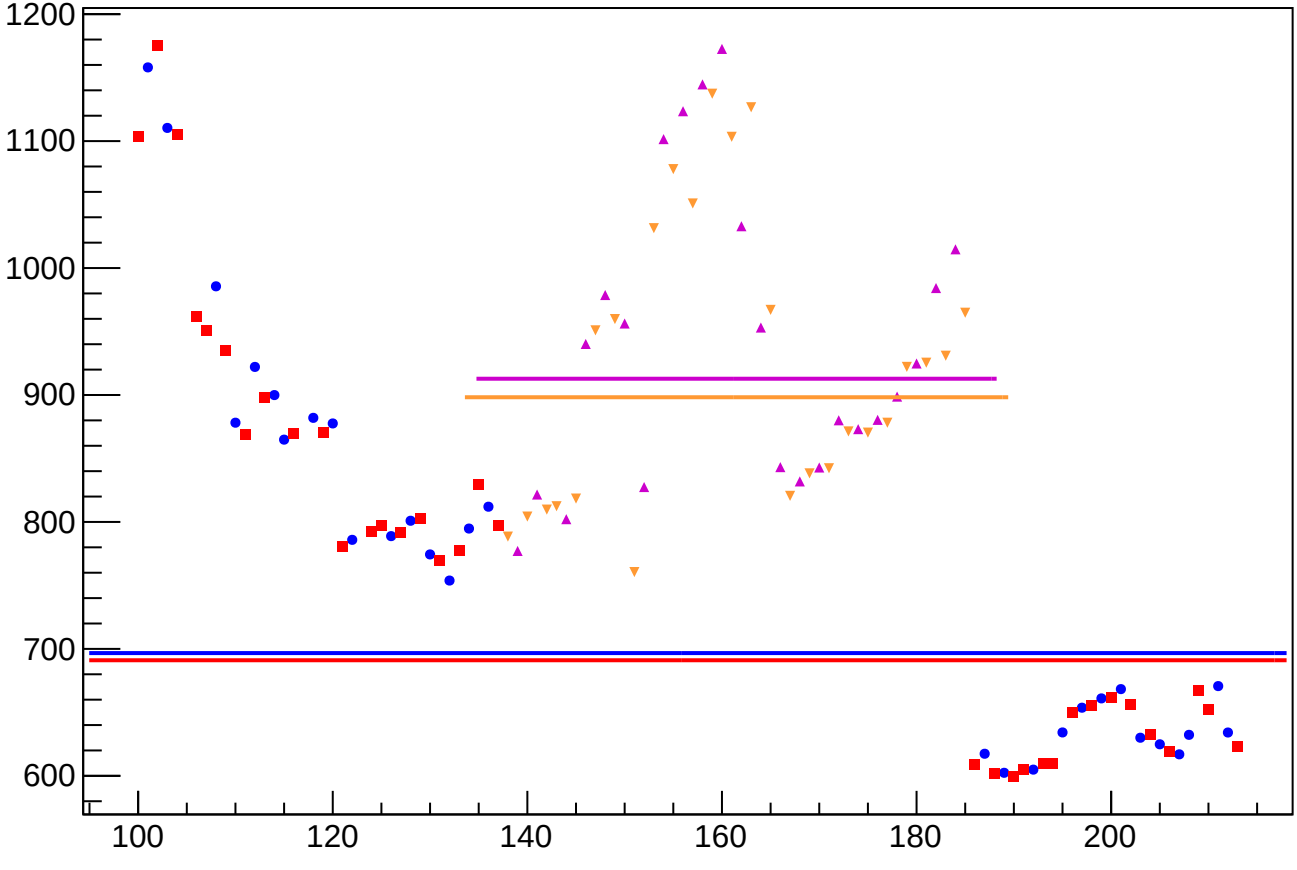
Right: -10.685+/-0.116 χ^2/NDF: 231847.3/62

In: -10.818+/-0.133 χ^2/NDF:77099.4/51

Out: 2.682+/-0.127 χ^2/NDF:192585.9/58

All: -3.737+/-0.092 χ^2/NDF: 275092.7/110

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 696.697+/-0.120 χ^2/NDF: 956073.1/28

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

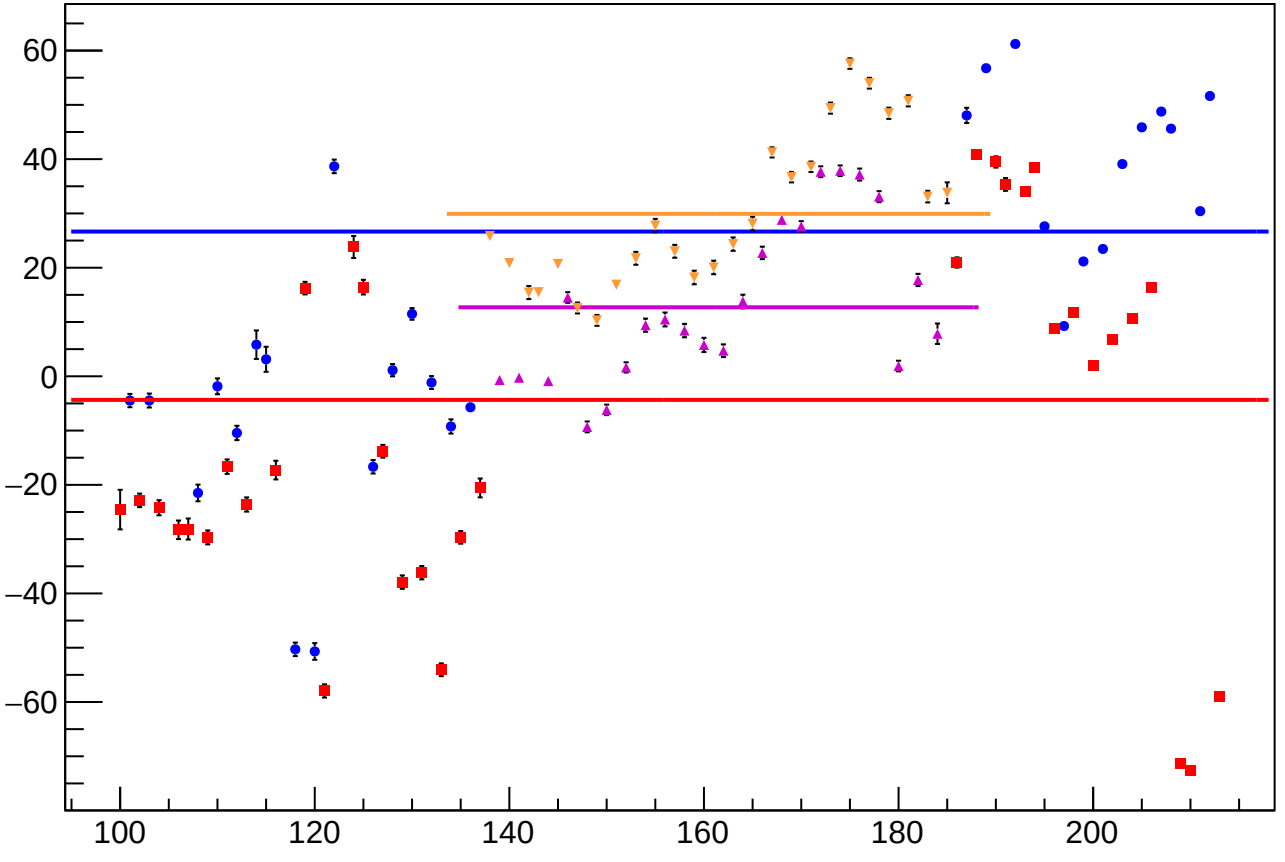
Right: 693.725+/-0.082 χ^2/NDF: 2016809.2/62

In: 779.222+/-0.094 χ^2/NDF:2683289.2/51

Out: 769.323+/-0.090 χ^2/NDF:2837164.1/58

All: 774.029+/-0.065 χ^2/NDF: 5526268.5/110

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 26.659+/-0.167 χ^2/NDF: 24590.0/28

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

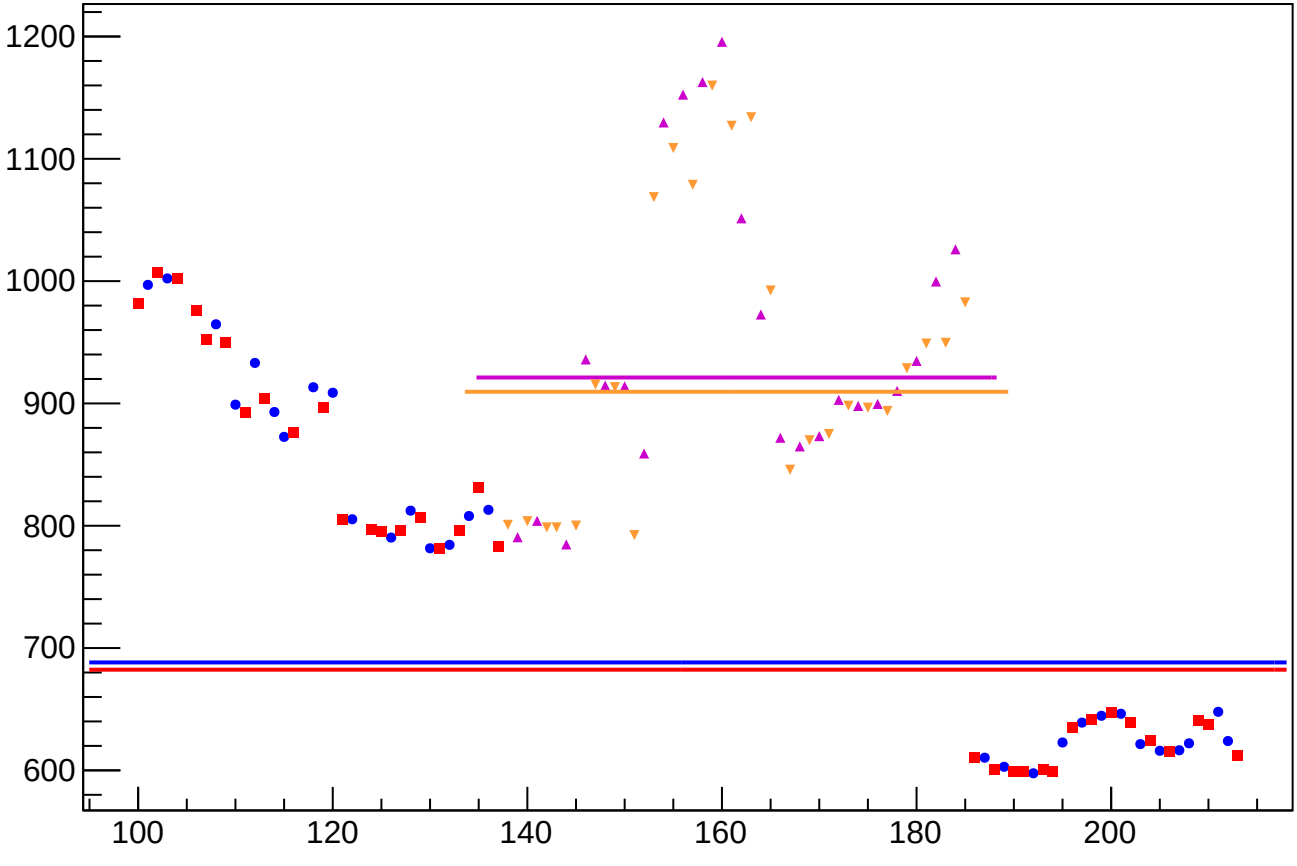
Right: 10.340+/-0.115 χ^2/NDF: 96470.2/62

In: 21.475+/-0.132 χ^2/NDF:31975.6/51

Out: 8.190+/-0.126 χ^2/NDF:75433.0/58

All: 14.513+/-0.091 χ^2/NDF: 112688.3/110

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 688.244+/-0.118 χ^2/NDF: 920654.5/28

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

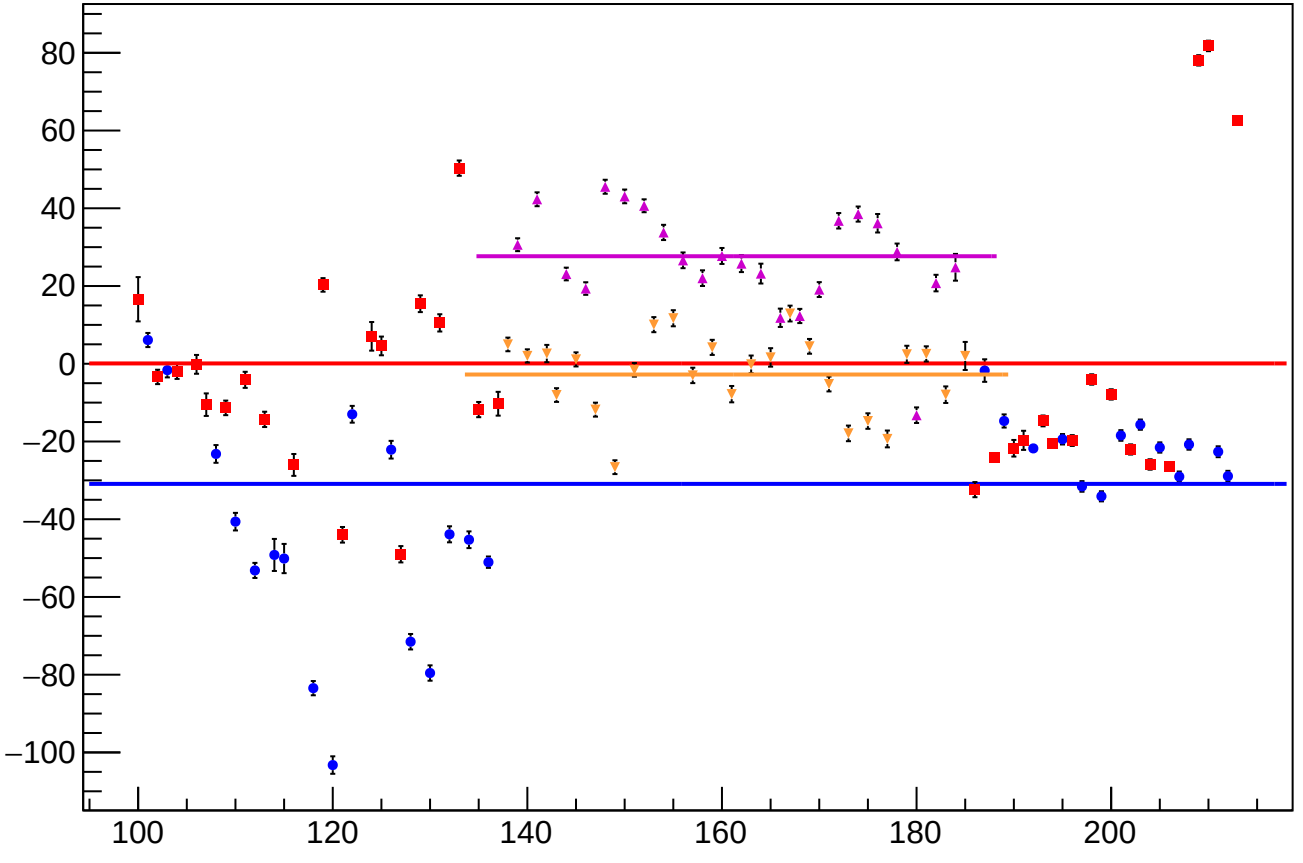
Right: 685.120+/-0.081 χ^2/NDF: 1952815.0/62

In: 774.812+/-0.094 χ^2/NDF:2864674.7/51

Out: 765.432+/-0.089 χ^2/NDF:3078427.0/58

All: 769.896+/-0.065 χ^2/NDF: 5948365.0/110

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -30.909+/-0.311 χ^2/NDF: 4789.5/28

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

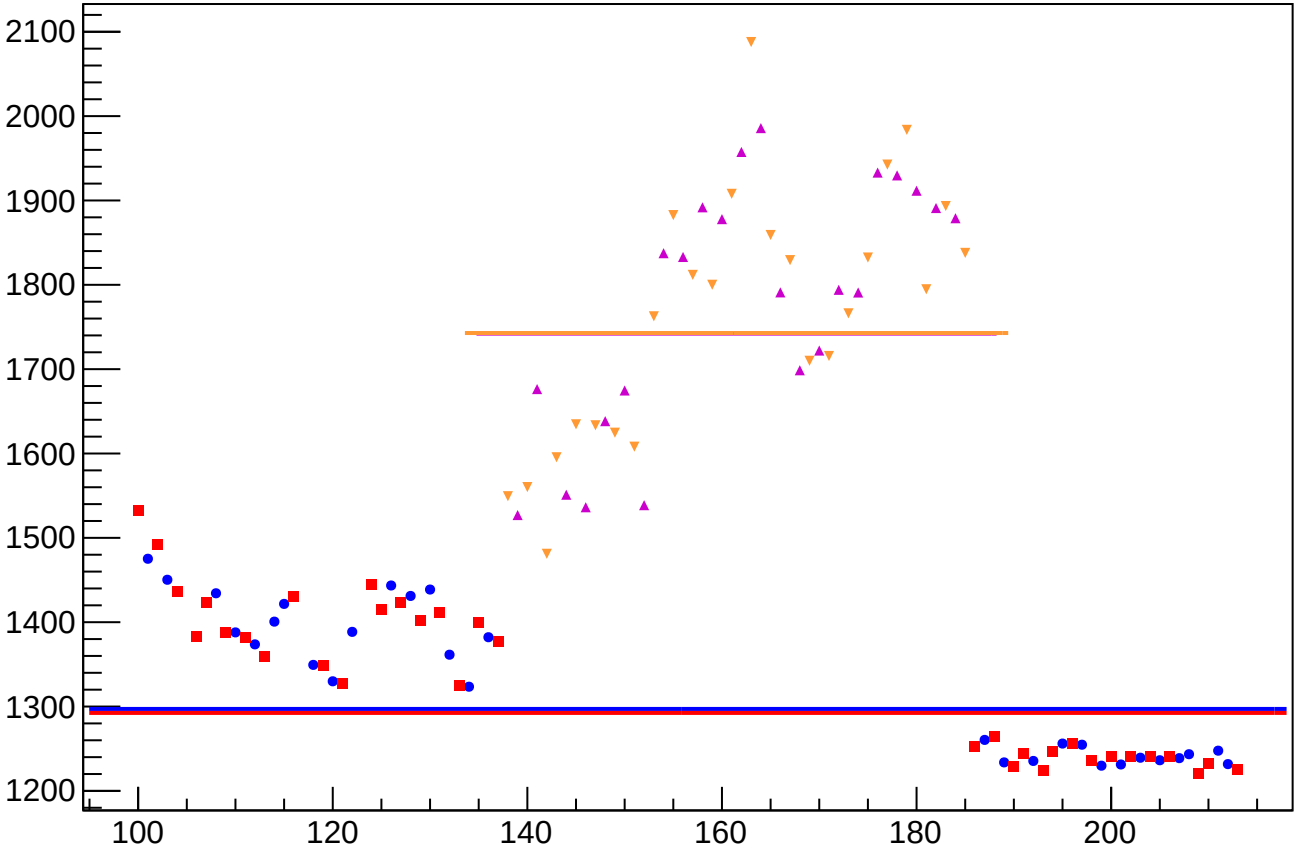
Right: -14.673+/-0.215 χ^2/NDF: 24122.2/62

In: -9.426+/-0.248 χ^2/NDF:18783.2/51

Out: -0.937+/-0.238 χ^2/NDF:14781.6/58

All: -5.009+/-0.171 χ^2/NDF: 34176.9/110

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1297.171+/-0.220 χ^2/NDF: 135790.3/28

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

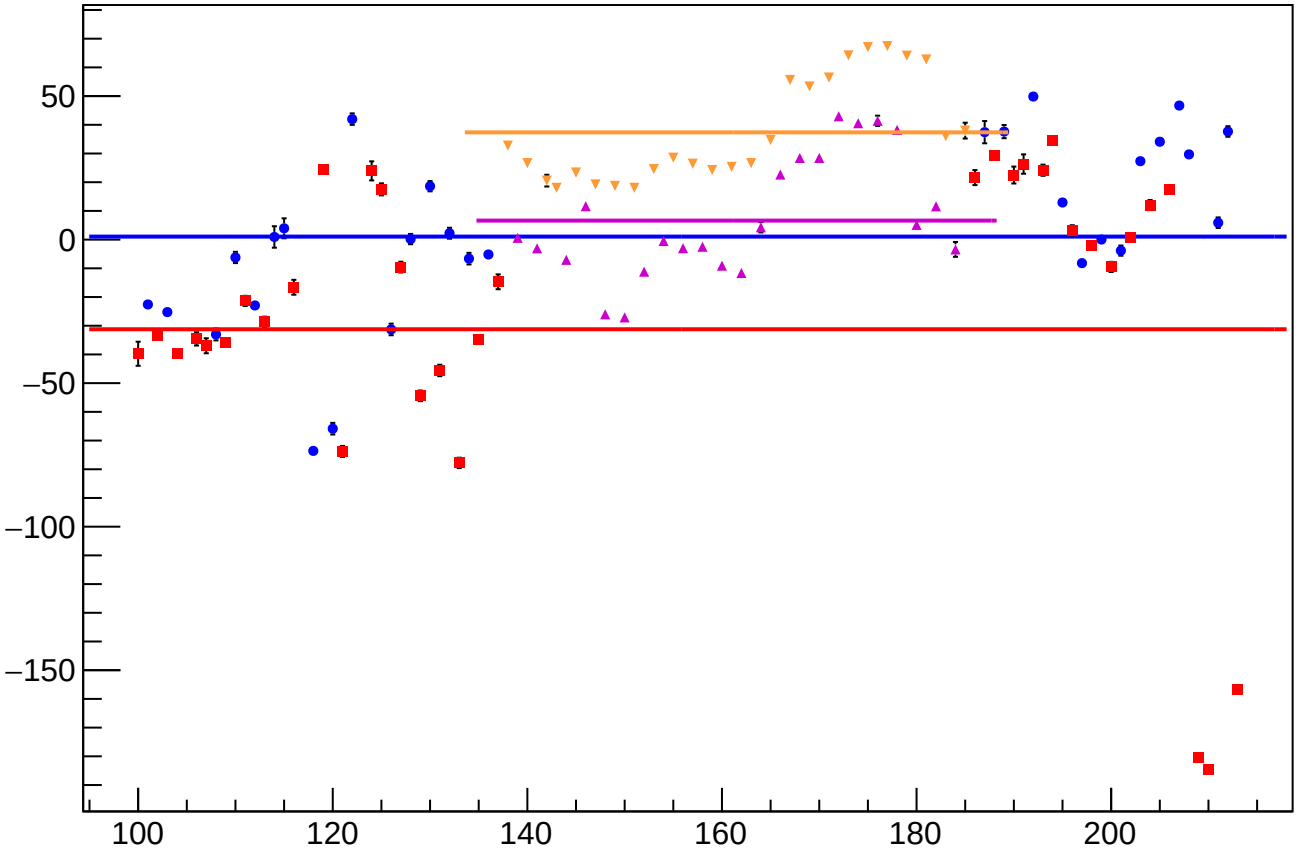
Right: 1294.694+/-0.152 χ^2/NDF: 278525.9/62

In: 1460.377+/-0.175 χ^2/NDF:1898503.6/51

Out: 1453.527+/-0.168 χ^2/NDF:2055749.4/58

All: 1456.813+/-0.121 χ^2/NDF: 3955050.0/11

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: 1.055+/-0.340 χ^2/NDF: 8047.1/28

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

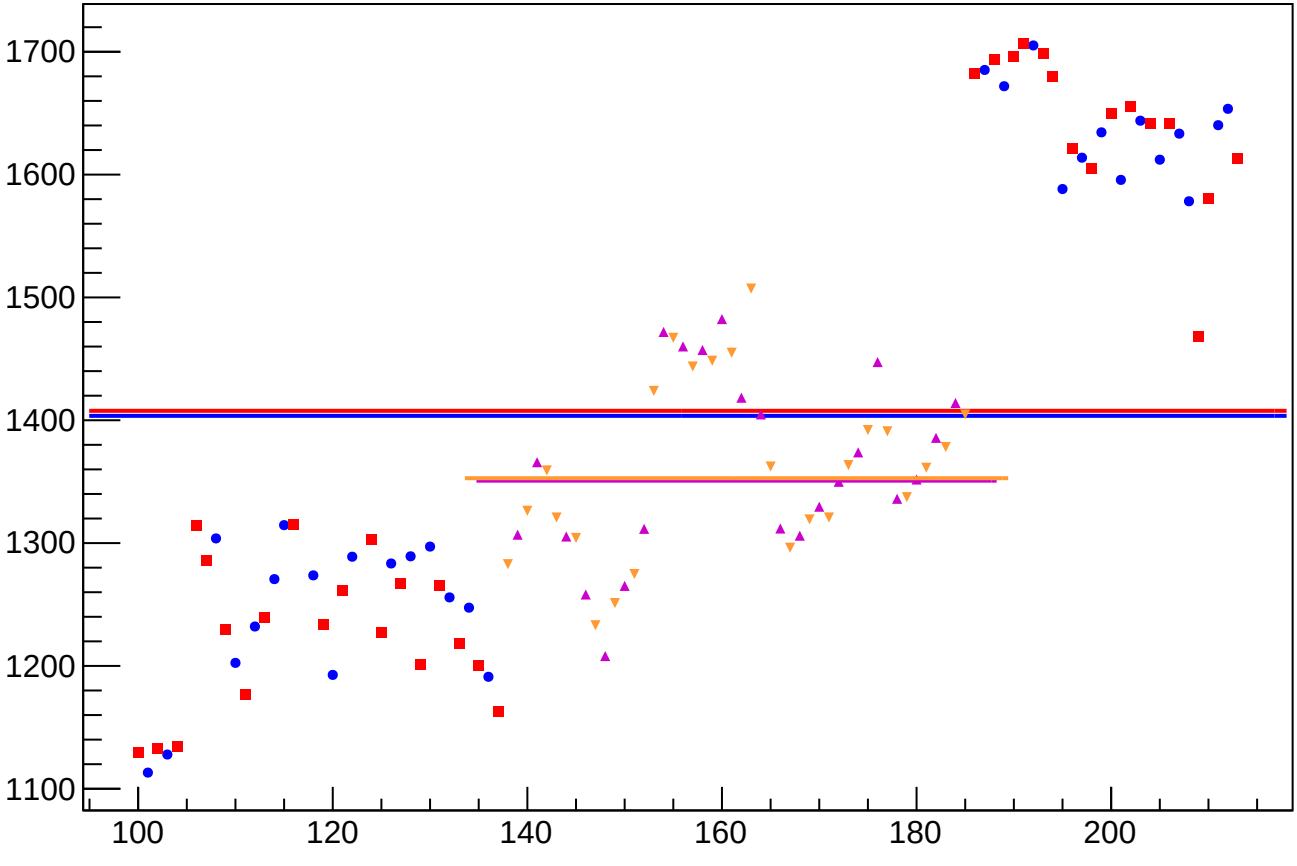
Right: -15.742+/-0.235 χ^2/NDF: 45537.6/62

In: 4.045+/-0.231 χ^2/NDF:12601.8/51

Out: 5.052+/-0.224 χ^2/NDF:59577.0/58

All: 4.565+/-0.161 χ^2/NDF: 72188.5/110

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1403.604+/-0.240 χ^2/NDF: 755565.8/28

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

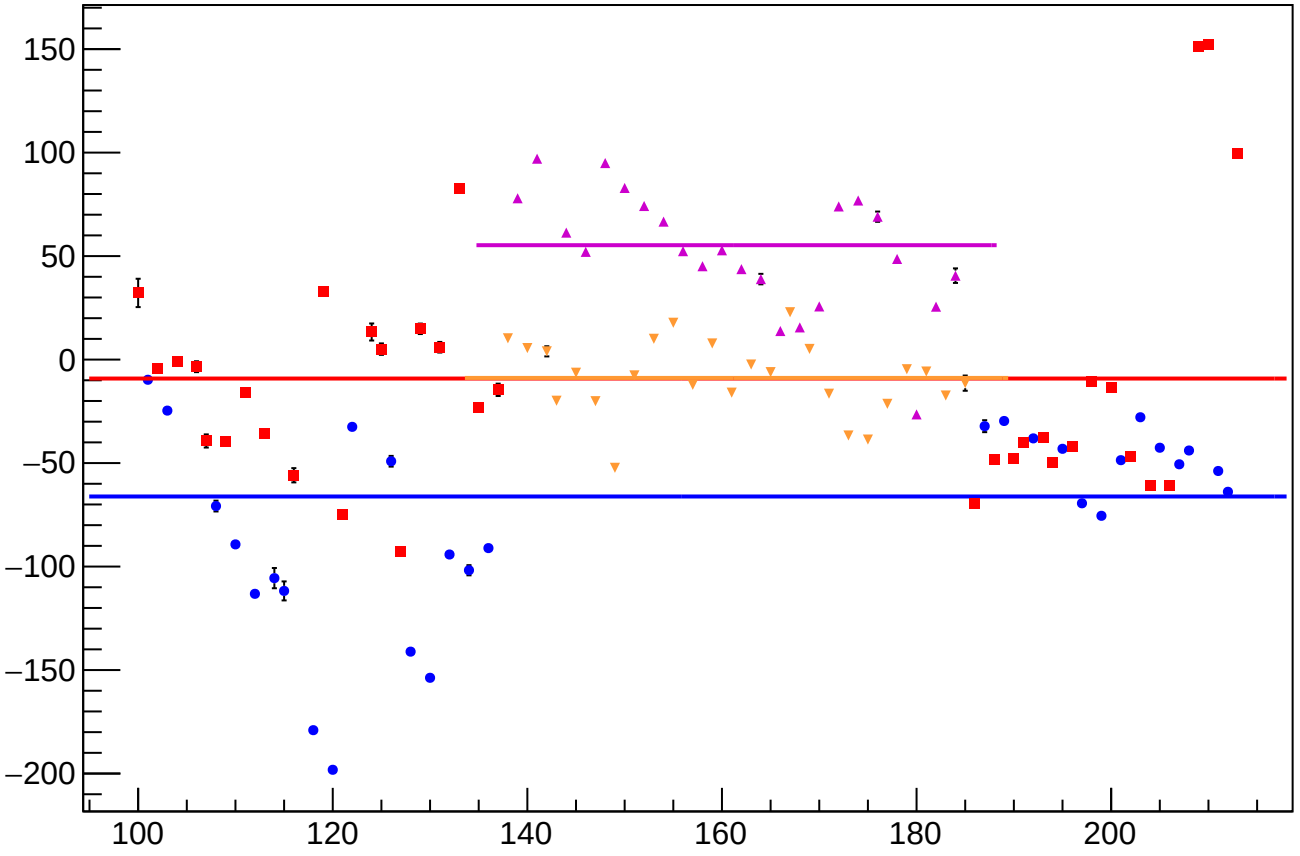
Right: 1405.736+/-0.166 χ^2/NDF: 1620728.1/62

In: 1375.312+/-0.164 χ^2/NDF:890050.1/51

Out: 1378.678+/-0.158 χ^2/NDF:999801.3/58

All: 1377.051+/-0.114 χ^2/NDF: 1890069.9/11

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -66.143+/-0.349 χ^2/NDF: 13939.9/28

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

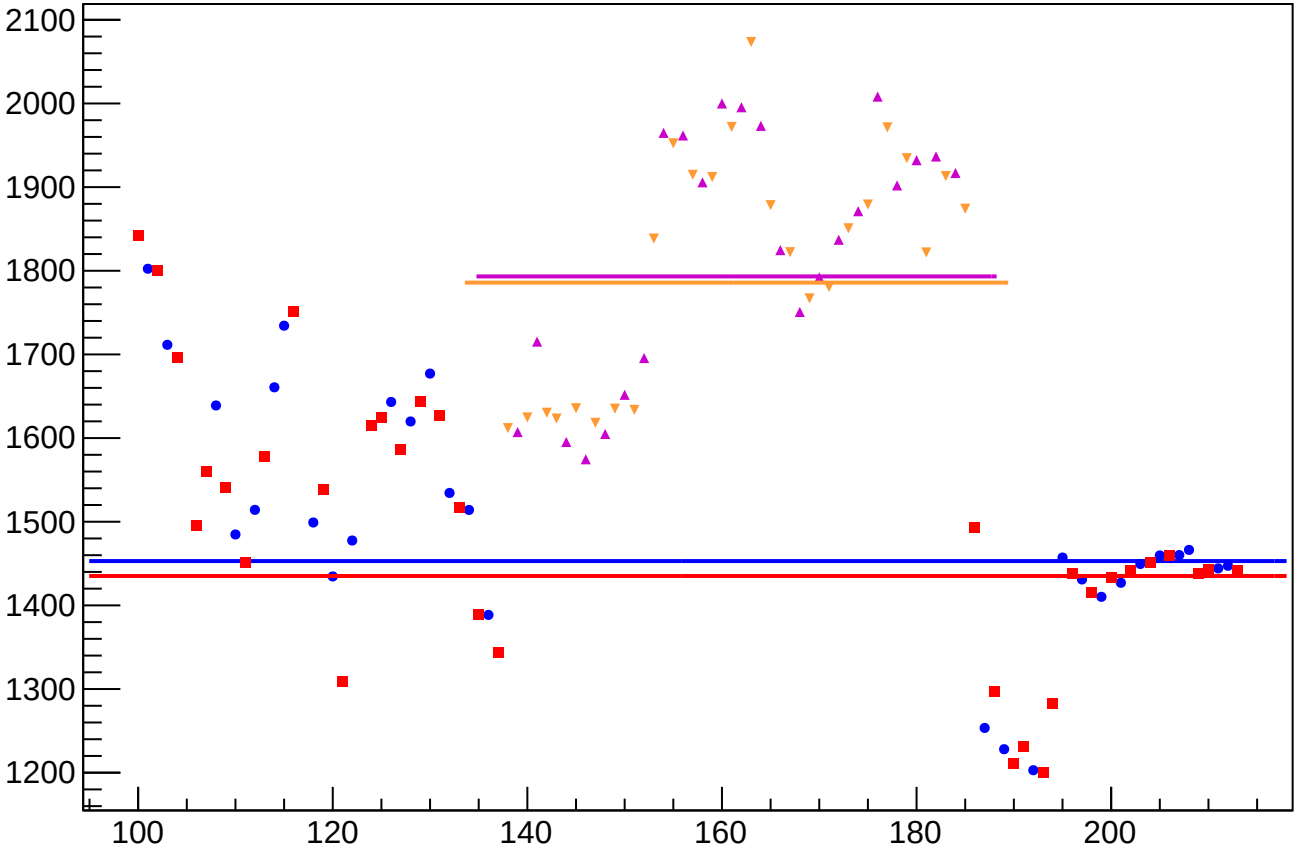
Right: -36.051+/-0.240 χ^2/NDF: 66200.7/62

In: -16.584+/-0.269 χ^2/NDF:68015.5/51

Out: -9.040+/-0.256 χ^2/NDF:40152.7/58

All: -12.637+/-0.185 χ^2/NDF: 108580.9/110

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1452.973+/-0.247 χ^2/NDF: 281774.2/28

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

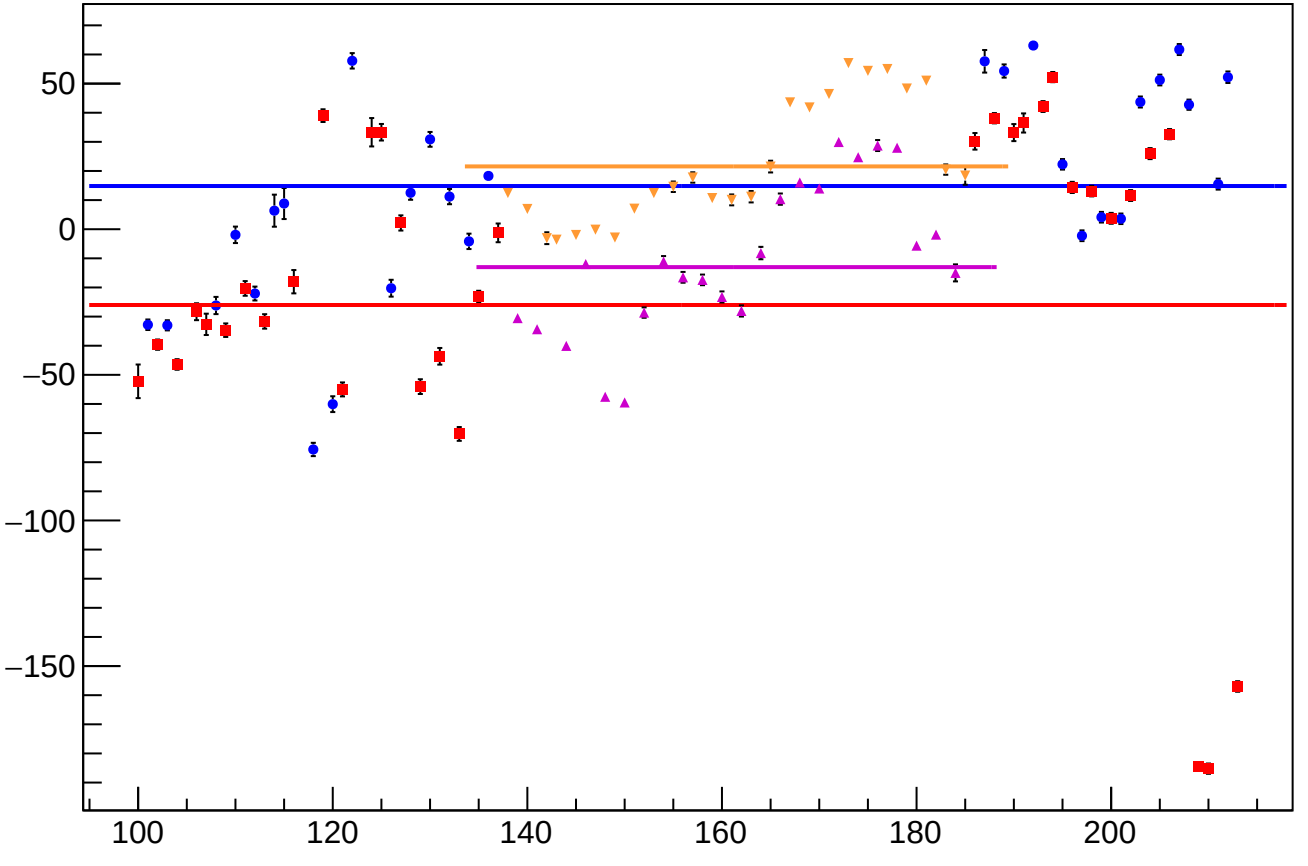
Right: 1443.550+/-0.170 χ^2/NDF: 615510.0/62

In: 1591.873+/-0.190 χ^2/NDF:1309705.8/51

Out: 1574.226+/-0.181 χ^2/NDF:1463463.4/58

All: 1582.639+/-0.131 χ^2/NDF: 2777684.6/11

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 14.833+/-0.399 χ^2/NDF: 8035.9/28

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

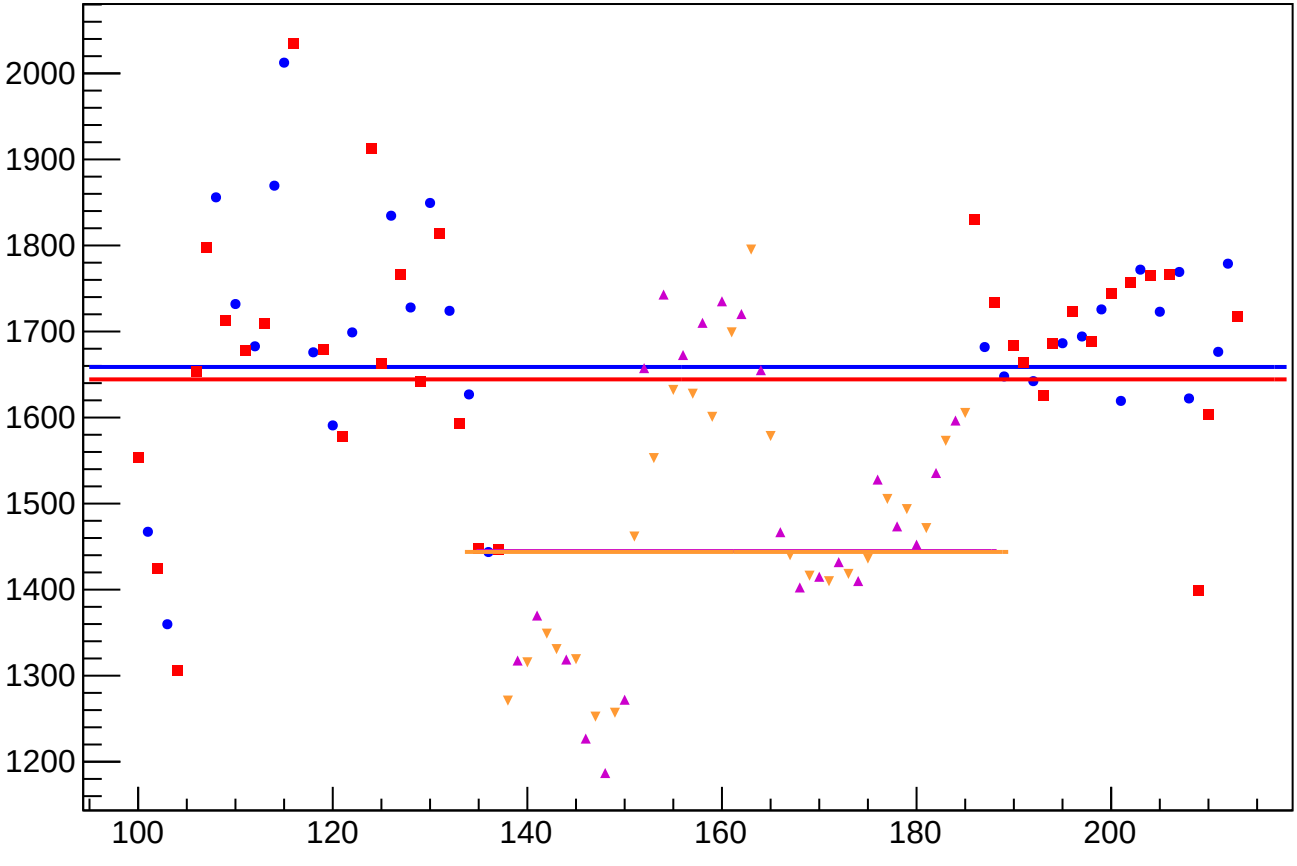
Right: -6.664+/-0.274 χ^2/NDF: 49477.6/62

In: -1.291+/-0.259 χ^2/NDF:17486.6/51

Out: 1.015+/-0.249 χ^2/NDF:49064.7/58

All: -0.092+/-0.179 χ^2/NDF: 66592.7/110

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1658.791+/-0.282 χ^2/NDF: 196190.3/28

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

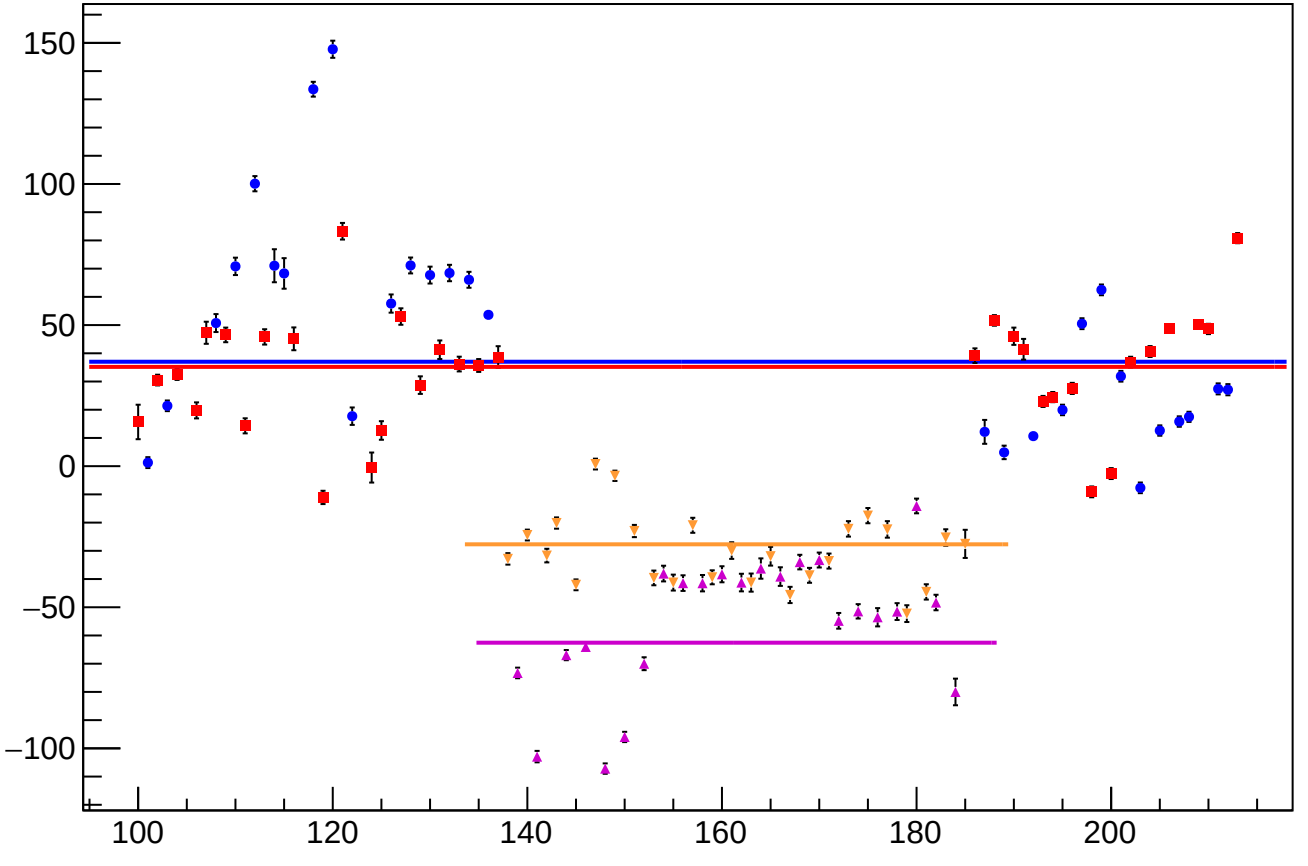
Right: 1651.200+/-0.194 χ^2/NDF: 478796.1/62

In: 1534.895+/-0.183 χ^2/NDF:1014823.8/51

Out: 1530.436+/-0.176 χ^2/NDF:952769.5/58

All: 1532.577+/-0.127 χ^2/NDF: 1967902.2/11

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 37.010+/-0.424 χ^2/NDF: 6276.4/28

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

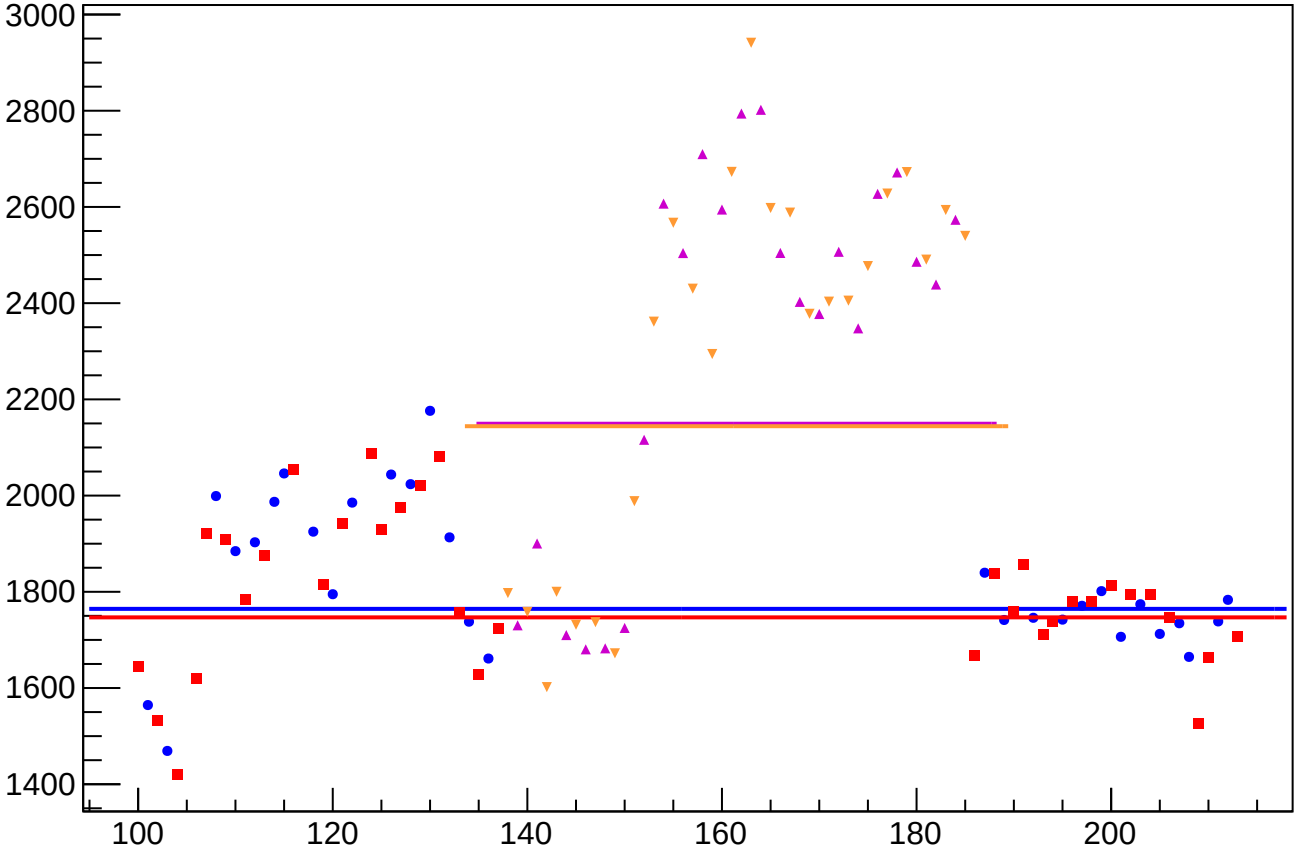
Right: 36.048+/-0.292 χ^2/NDF: 9179.1/62

In: -3.526+/-0.327 χ^2/NDF:31177.9/51

Out: 10.289+/-0.312 χ^2/NDF:13365.2/58

All: 3.693+/-0.226 χ^2/NDF: 45478.5/110

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1764.548+/-0.300 χ^2/NDF: 210532.6/28

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

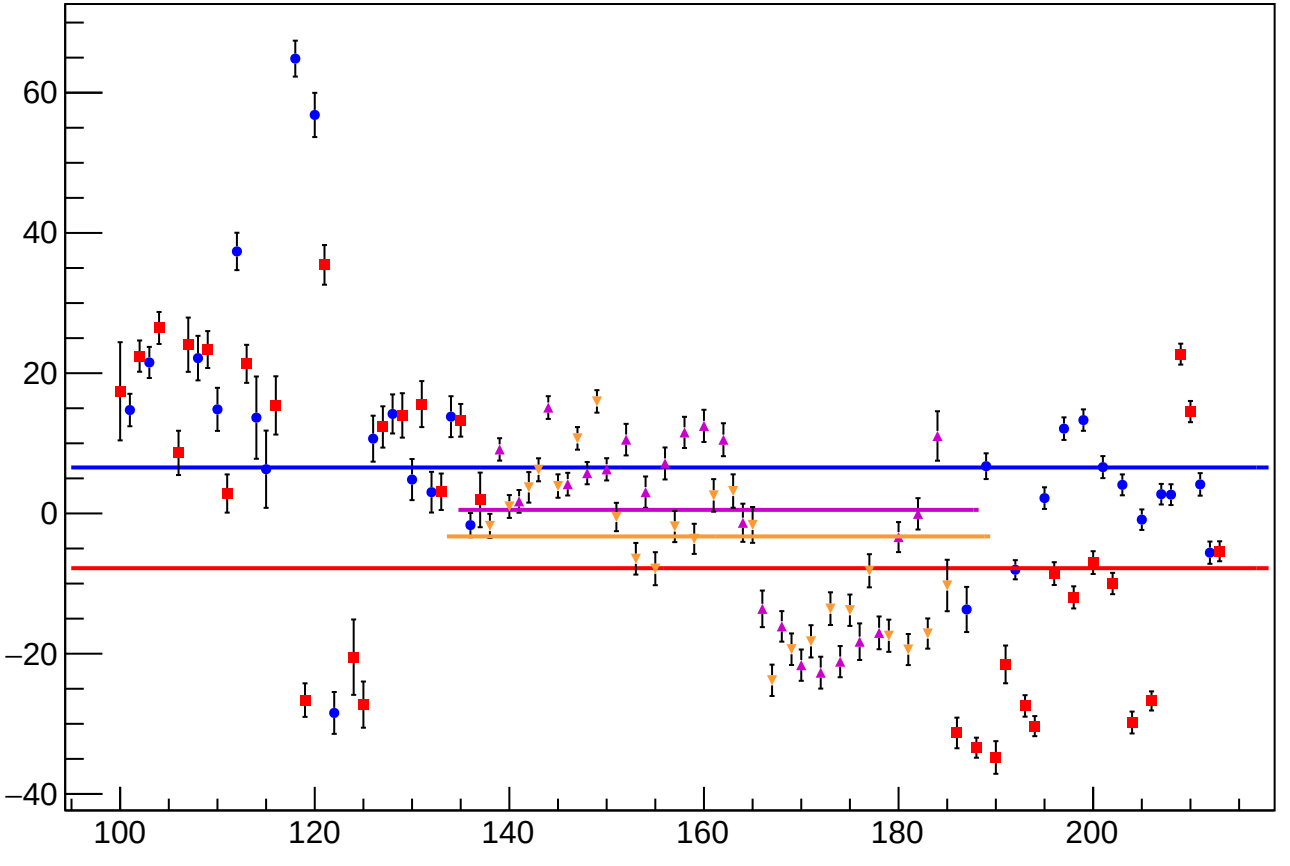
Right: 1755.216+/-0.206 χ^2/NDF: 459045.4/62

In: 1921.212+/-0.231 χ^2/NDF:2146700.4/51

Out: 1904.189+/-0.221 χ^2/NDF:2301848.3/58

All: 1912.317+/-0.160 χ^2/NDF: 4451389.0/11

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 6.555+/-0.371 χ^2/NDF: 1469.7/28

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

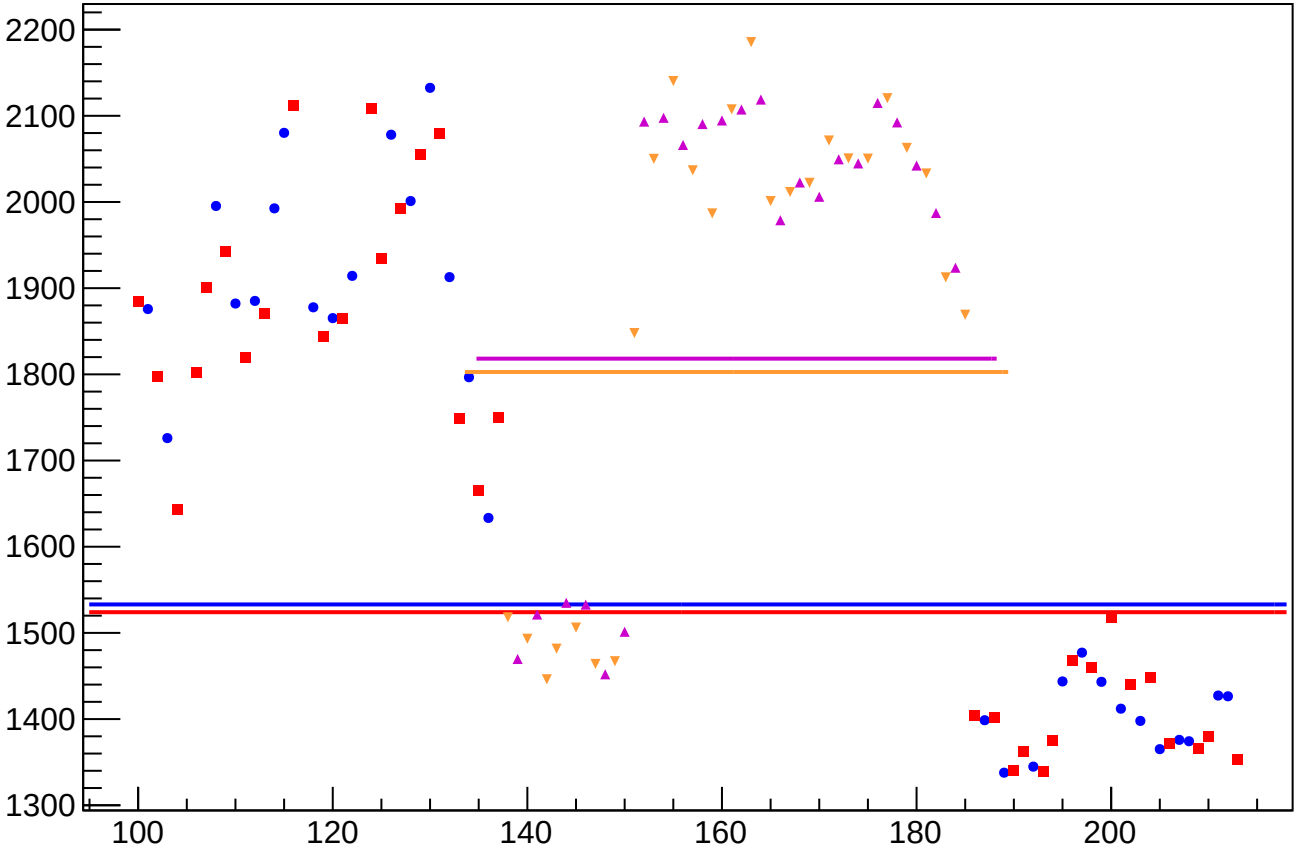
Right: -0.991+/-0.256 χ^2/NDF: 5711.2/62

In: 3.973+/-0.281 χ^2/NDF:2328.8/51

Out: -5.904+/-0.269 χ^2/NDF:4195.2/58

All: -1.186+/-0.194 χ^2/NDF: 7169.7/110

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1533.029+/-0.262 χ^2/NDF: 736047.9/28

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

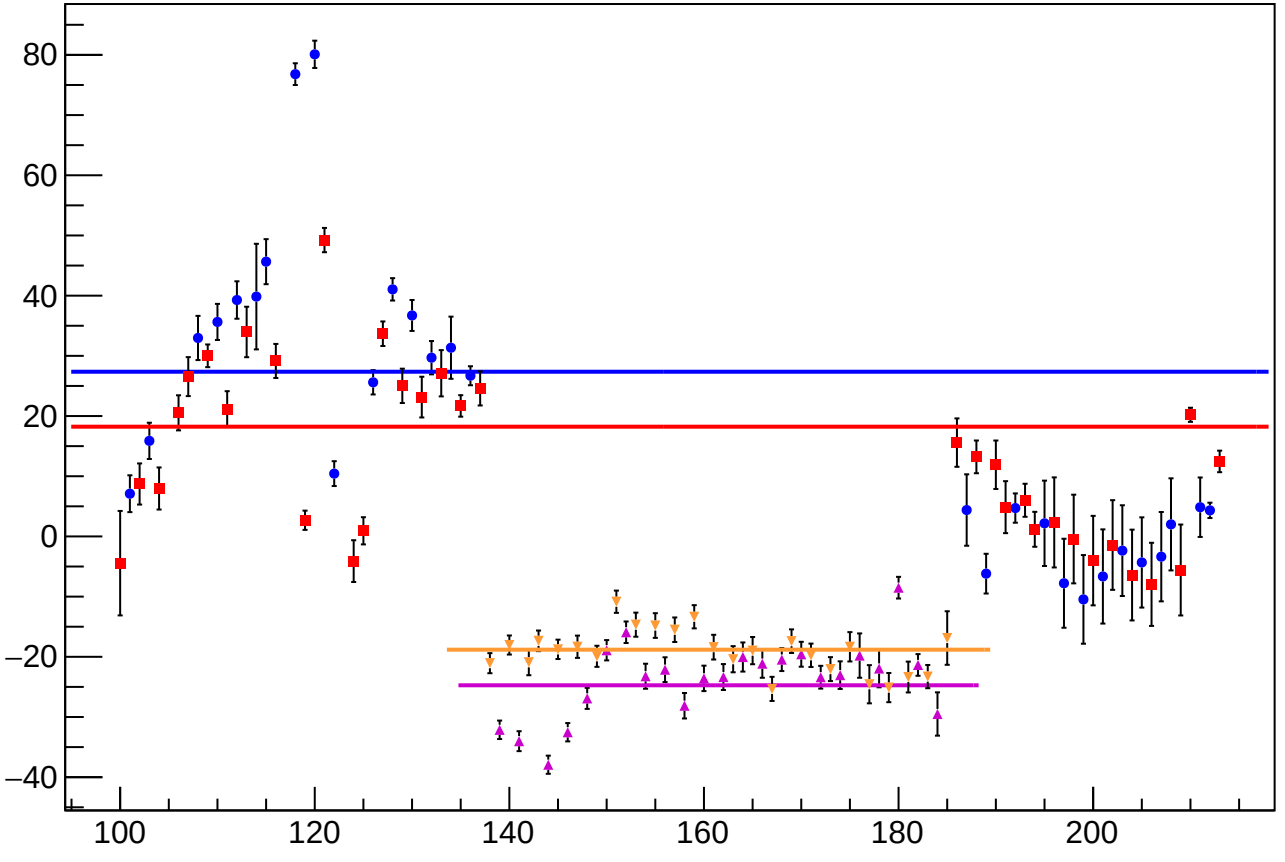
Right: 1528.304+/-0.181 χ^2/NDF: 1473181.9/62

In: 1654.857+/-0.199 χ^2/NDF:2080881.3/51

Out: 1641.037+/-0.190 χ^2/NDF:2158198.2/58

All: 1647.639+/-0.137 χ^2/NDF: 4241608.1/11

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 27.362+/-0.522 χ^2/NDF: 2230.2/28

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

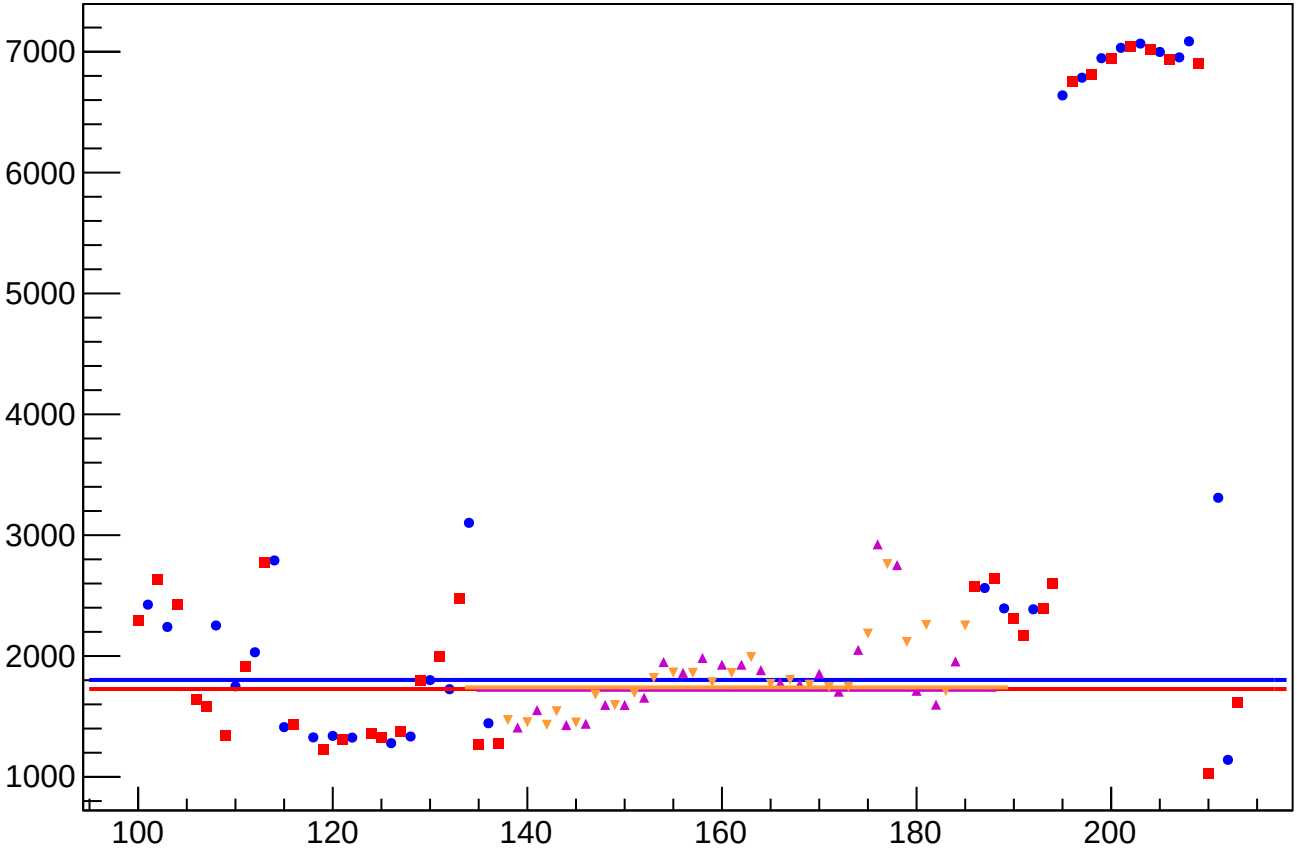
Right: 22.296+/-0.348 χ^2/NDF: 3154.9/62

In: -4.923+/-0.322 χ^2/NDF:8713.8/51

Out: -3.066+/-0.305 χ^2/NDF:4441.6/58

All: -3.944+/-0.221 χ^2/NDF: 13173.0/110

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1802.144+/-0.369 χ^2/NDF: 9536455.5/28

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

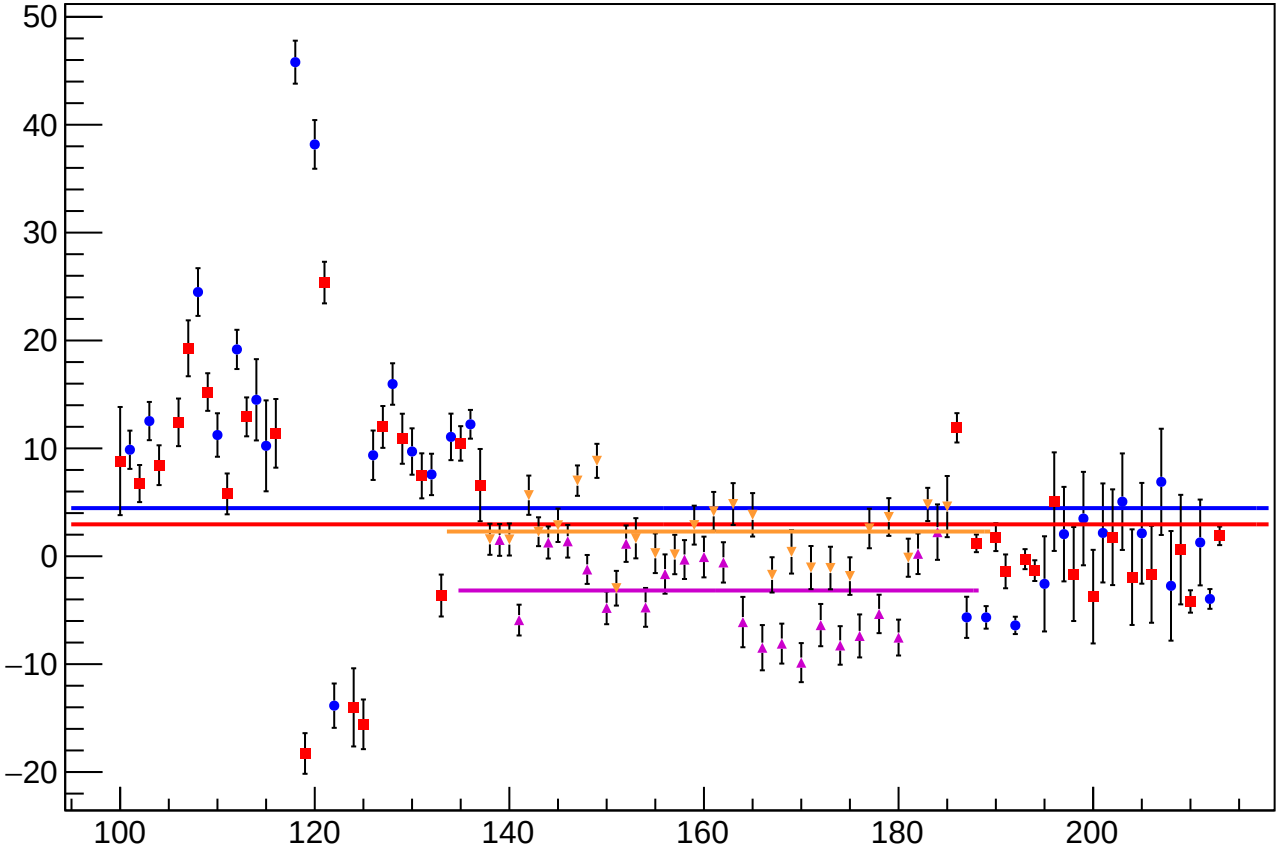
Right: 1760.498+/-0.246 χ^2/NDF: 19047920.8/62

In: 1751.771+/-0.228 χ^2/NDF:10450513.4/51

Out: 1734.564+/-0.215 χ^2/NDF:10242777.9/58

All: 1742.699+/-0.156 χ^2/NDF: 20696306.2/1

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 4.463+/-0.347 χ^2/NDF: 1419.4/28

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

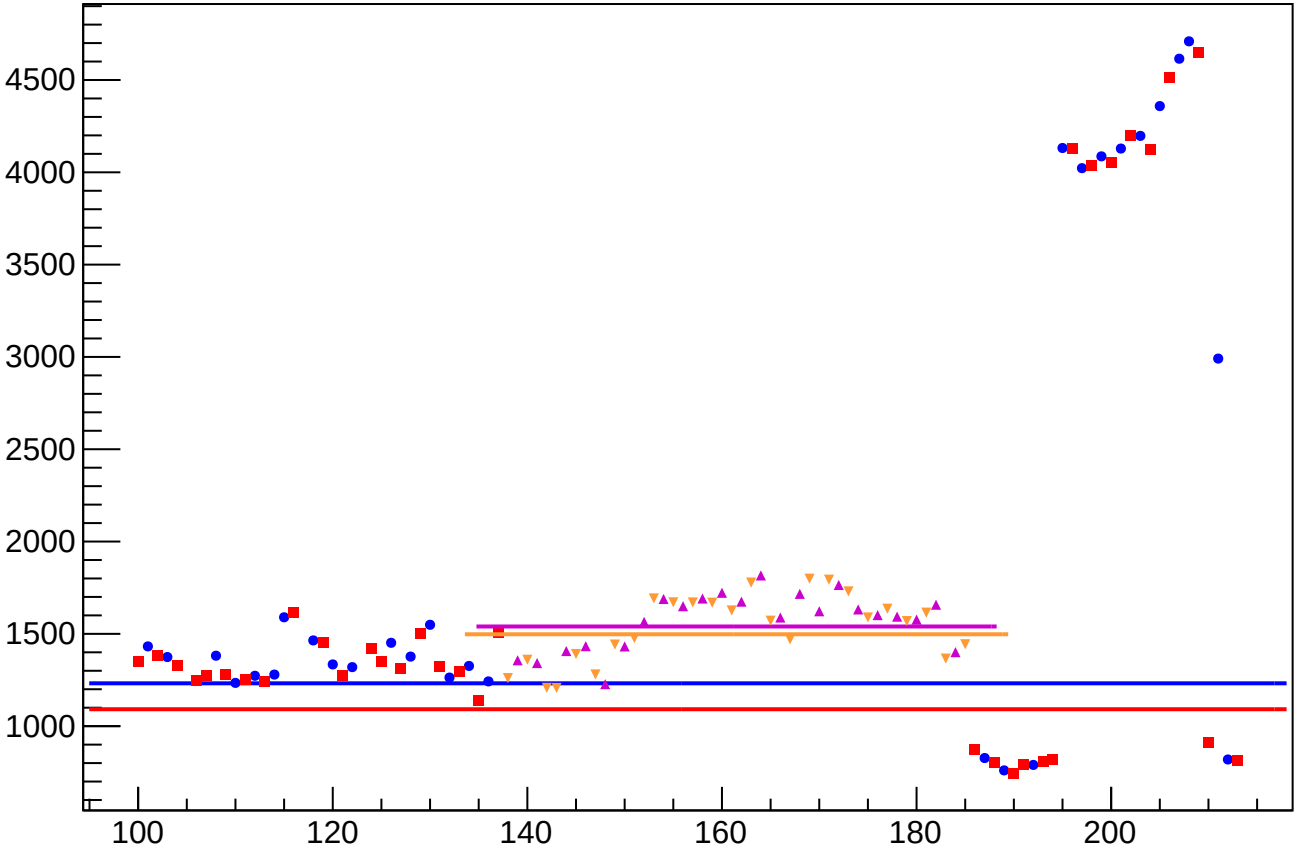
Right: 3.568+/-0.221 χ^2/NDF: 2158.5/62

In: 0.811+/-0.251 χ^2/NDF:1761.3/51

Out: 2.686+/-0.220 χ^2/NDF:803.7/58

All: 1.870+/-0.165 χ^2/NDF: 2596.6/110

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1232.097+/-0.245 χ^2/NDF: 9073875.1/28

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

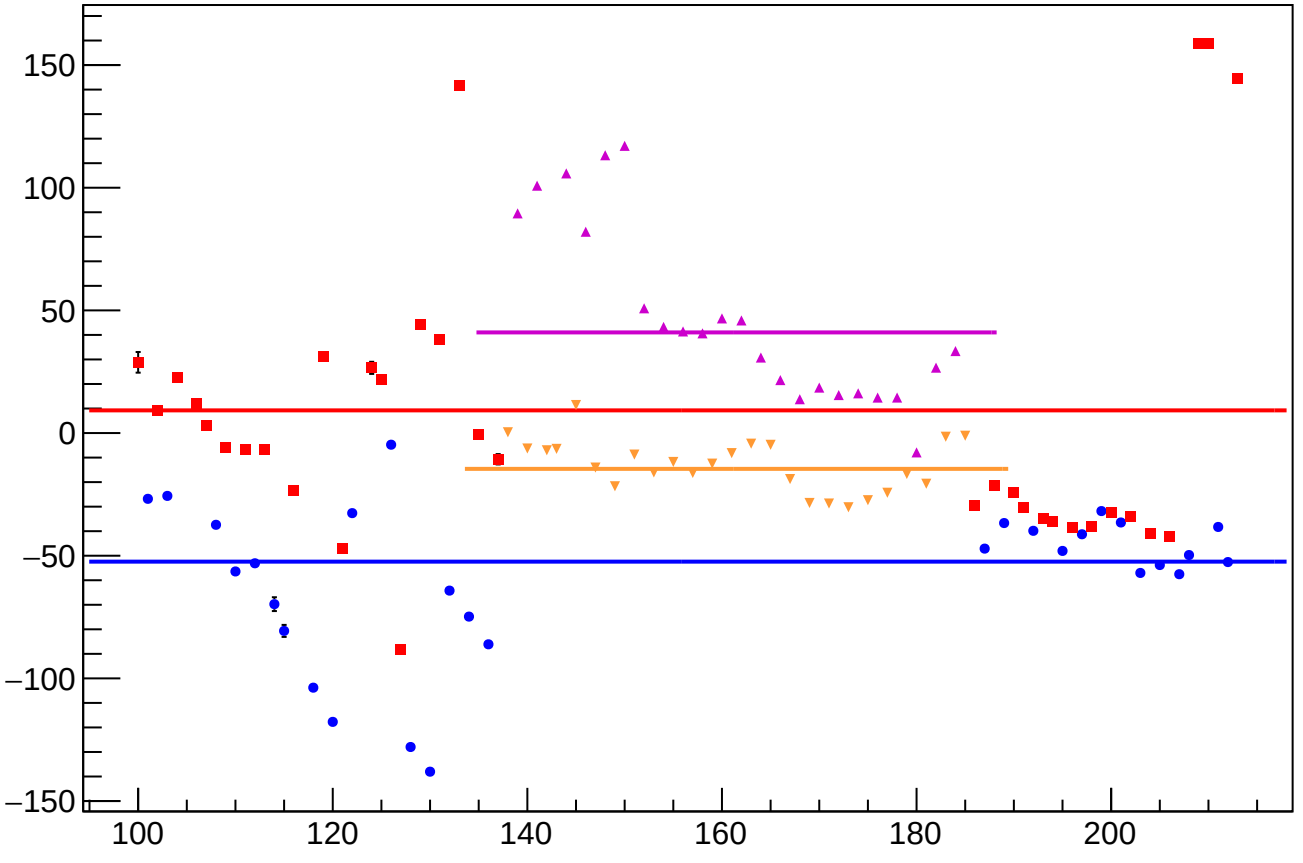
Right: 1148.567+/-0.156 χ^2/NDF: 17706439.0/62

In: 1379.288+/-0.177 χ^2/NDF:10206782.0/51

Out: 1258.168+/-0.156 χ^2/NDF:10655252.3/58

All: 1310.860+/-0.117 χ^2/NDF: 21125900.3/

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -52.413+/-0.173 χ^2/NDF: 18249.2/28

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

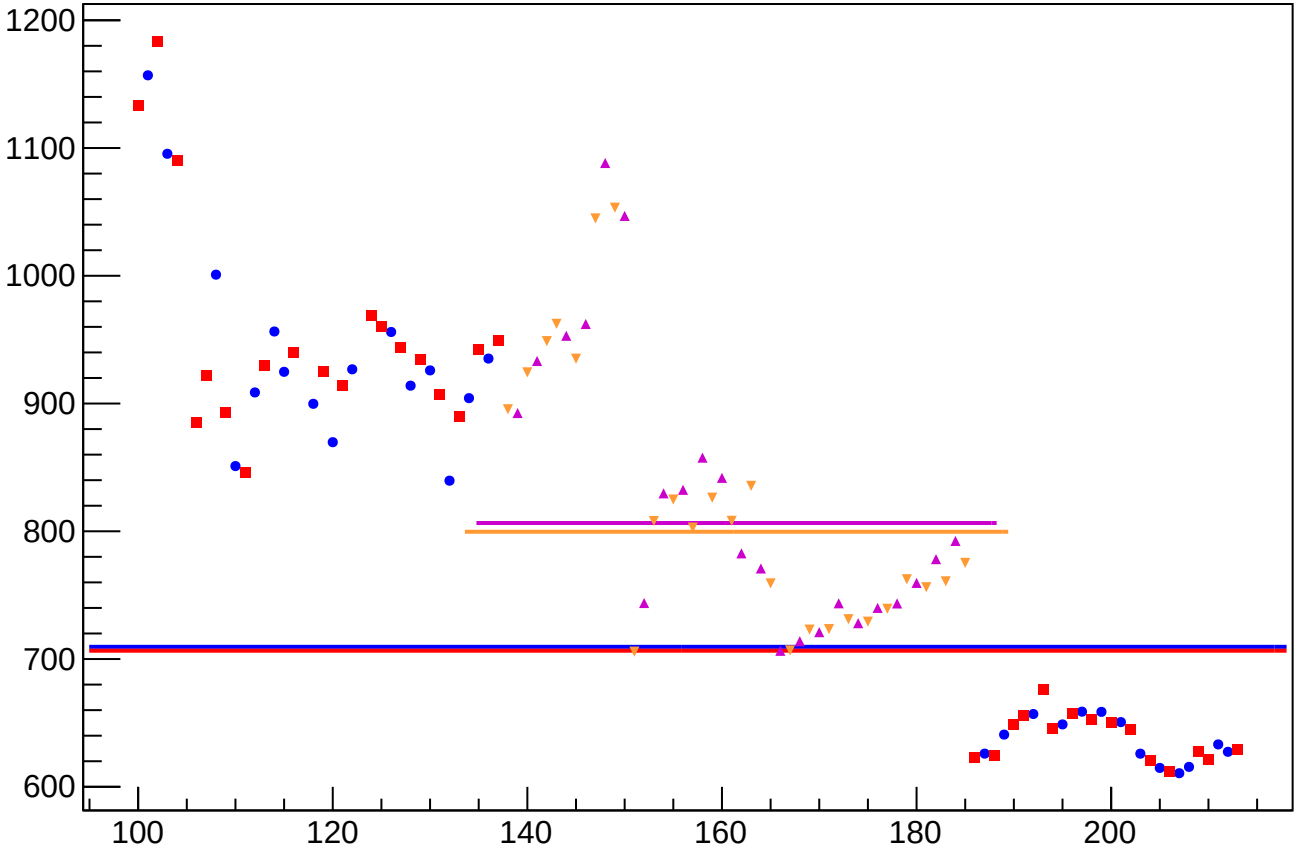
Right: -20.070+/-0.119 χ^2/NDF: 284450.5/62

In: -10.017+/-0.128 χ^2/NDF:181718.7/51

Out: -1.427+/-0.122 χ^2/NDF:212088.8/58

All: -5.535+/-0.088 χ^2/NDF: 396163.2/110

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 709.560+/-0.122 χ^2/NDF: 1243287.8/28

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

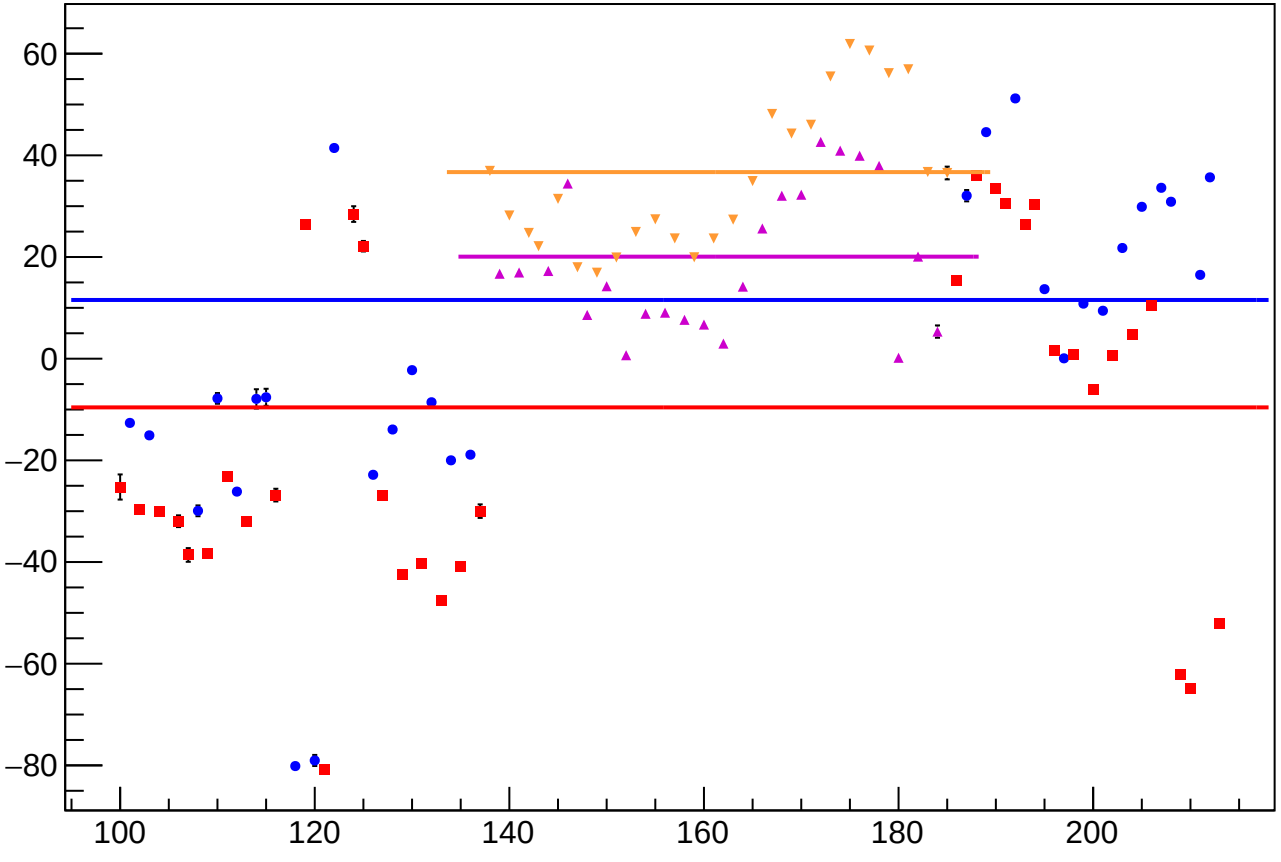
Right: 707.969+/-0.084 χ^2/NDF: 2565666.8/62

In: 753.537+/-0.090 χ^2/NDF:2039507.1/51

Out: 748.202+/-0.087 χ^2/NDF:2105686.2/58

All: 750.753+/-0.063 χ^2/NDF: 4147010.4/110

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 11.550+/-0.128 χ^2/NDF: 47666.2/28

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

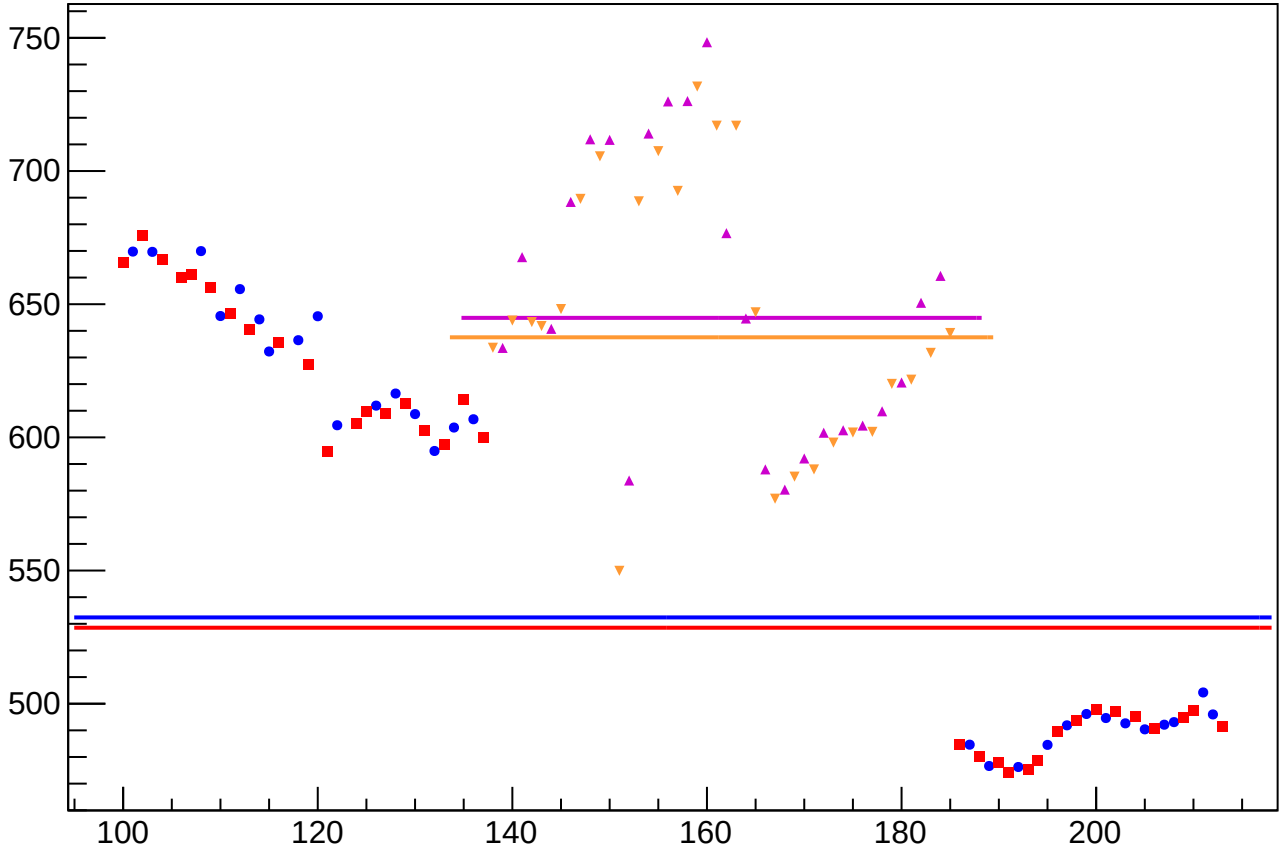
Right: 0.439+/-0.088 χ^2/NDF: 136981.5/62

In: 15.118+/-0.098 χ^2/NDF:58071.1/51

Out: 9.524+/-0.093 χ^2/NDF:144790.0/58

All: 12.191+/-0.068 χ^2/NDF: 204570.5/110

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 532.402+/-0.091 χ^2/NDF: 524096.2/28

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

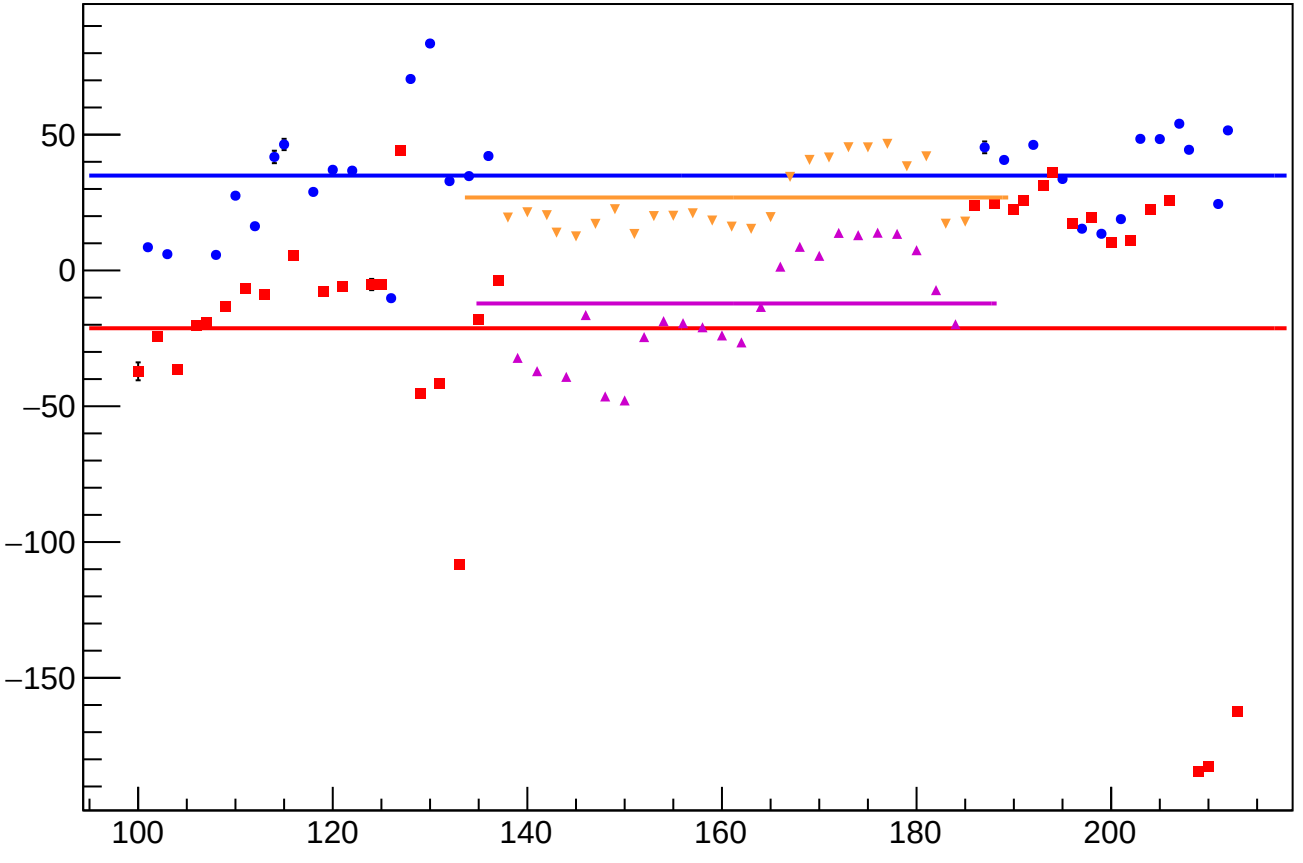
Right: 530.369+/-0.063 χ^2/NDF: 1094406.6/62

In: 579.511+/-0.069 χ^2/NDF:1396473.4/51

Out: 573.539+/-0.066 χ^2/NDF:1466121.1/58

All: 576.386+/-0.048 χ^2/NDF: 2866490.2/110

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 34.931+/-0.206 χ^2/NDF: 9148.0/28

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

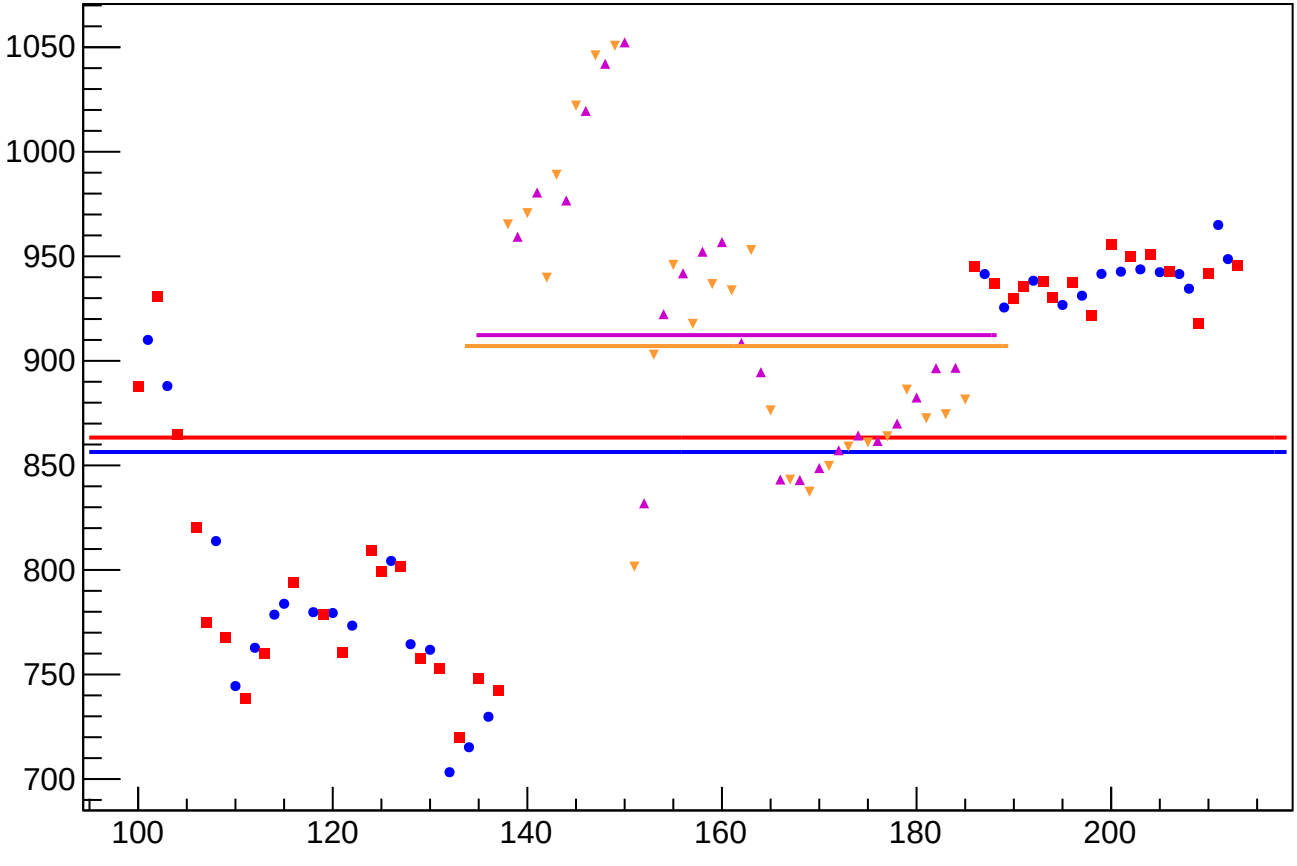
Right: 5.781+/-0.143 χ^2/NDF: 150573.3/62

In: 12.228+/-0.148 χ^2/NDF:42844.8/51

Out: 1.841+/-0.143 χ^2/NDF:134478.2/58

All: 6.851+/-0.103 χ^2/NDF: 179859.8/110

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 856.413+/-0.146 χ^2/NDF: 395156.0/28

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

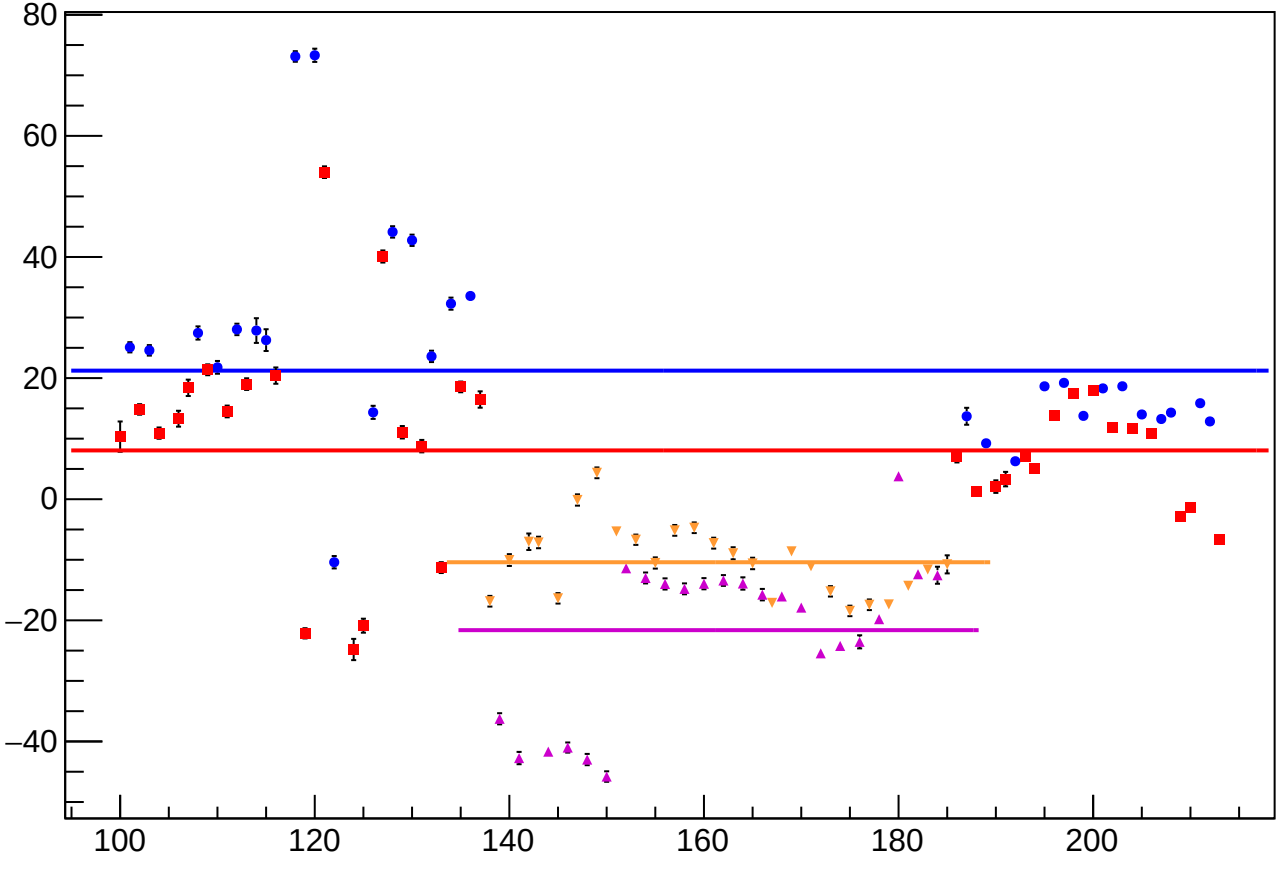
Right: 859.994+/-0.101 χ^2/NDF: 773687.1/62

In: 883.358+/-0.105 χ^2/NDF:640718.8/51

Out: 884.339+/-0.101 χ^2/NDF:618602.1/58

All: 883.866+/-0.073 χ^2/NDF: 1259366.1/110

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 21.233+/-0.147 χ^2/NDF: 10234.4/28

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

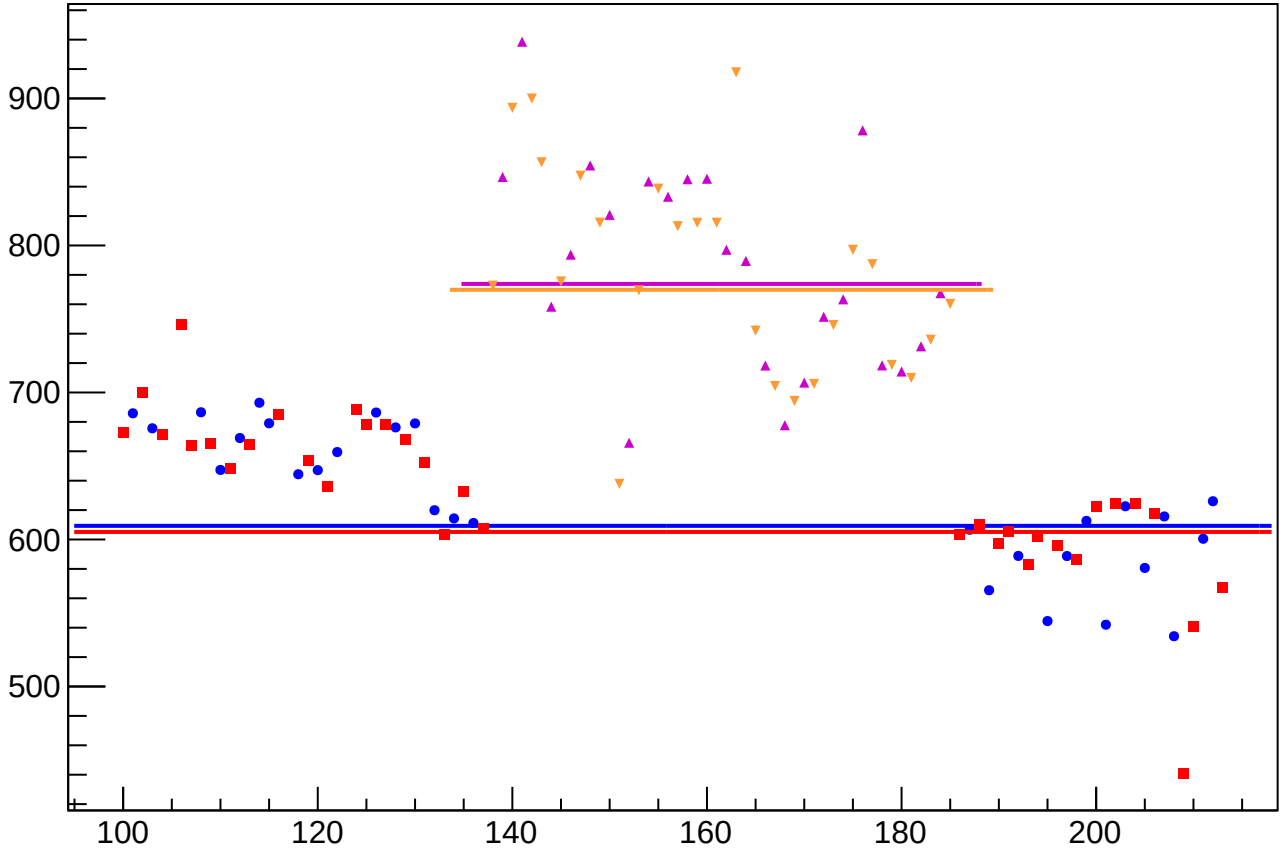
Right: 14.315+/-0.101 χ^2/NDF: 23418.3/62

In: 4.342+/-0.114 χ^2/NDF:49088.9/51

Out: 0.929+/-0.109 χ^2/NDF:16750.5/58

All: 2.561+/-0.079 χ^2/NDF: 66305.0/110

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 609.284+/-0.104 χ^2/NDF: 195930.5/28

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

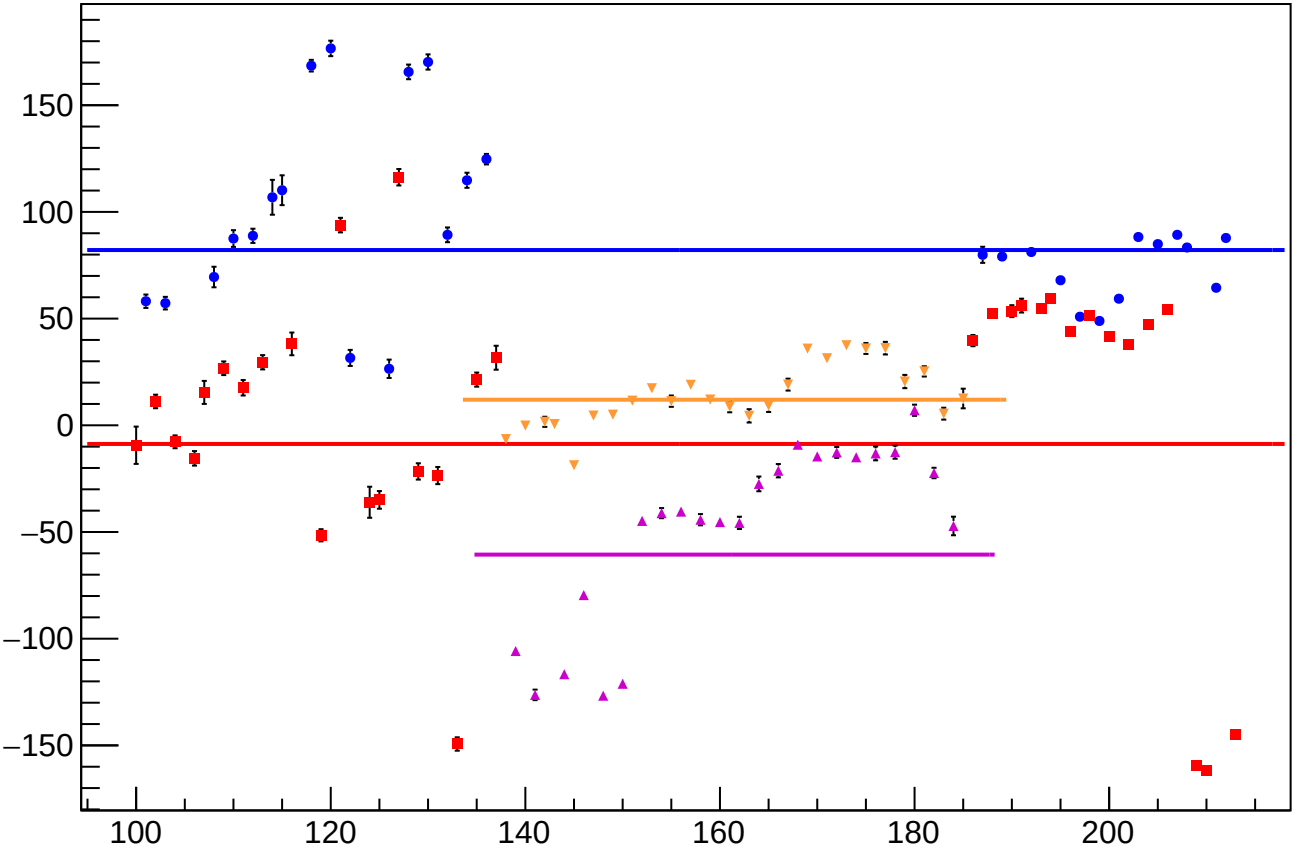
Right: 607.107+/-0.072 χ^2/NDF: 605431.3/62

In: 674.146+/-0.081 χ^2/NDF:1470084.0/51

Out: 668.728+/-0.077 χ^2/NDF:1788593.6/58

All: 671.319+/-0.056 χ^2/NDF: 3261025.5/110

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 82.130+/-0.442 χ^2/NDF: 4795.0/28

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

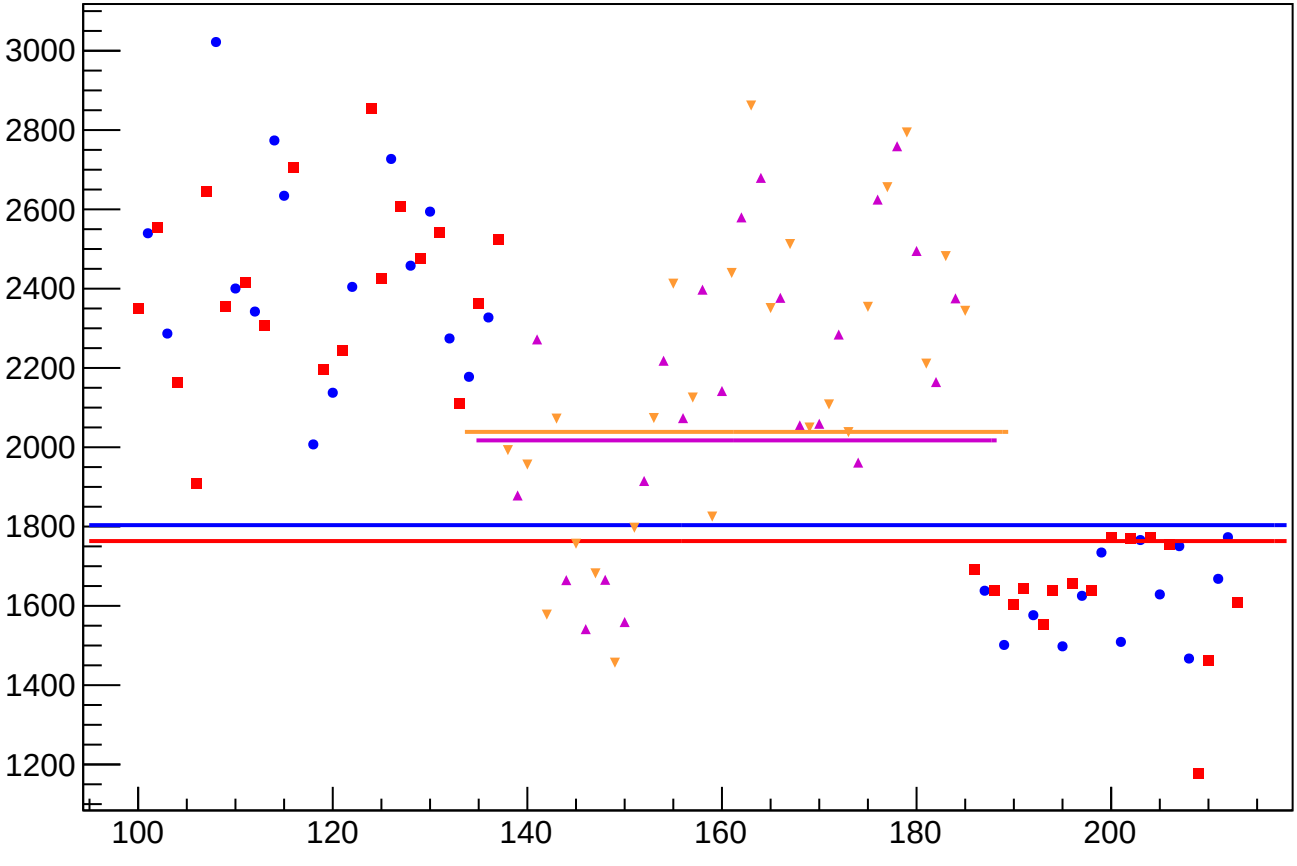
Right: 33.692+/-0.302 χ^2/NDF: 71808.4/62

In: 16.708+/-0.326 χ^2/NDF:61142.2/51

Out: 0.284+/-0.311 χ^2/NDF:46562.1/58

All: 8.124+/-0.225 χ^2/NDF: 109034.4/110

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1803.574+/-0.313 χ^2/NDF: 1297318.4/28

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

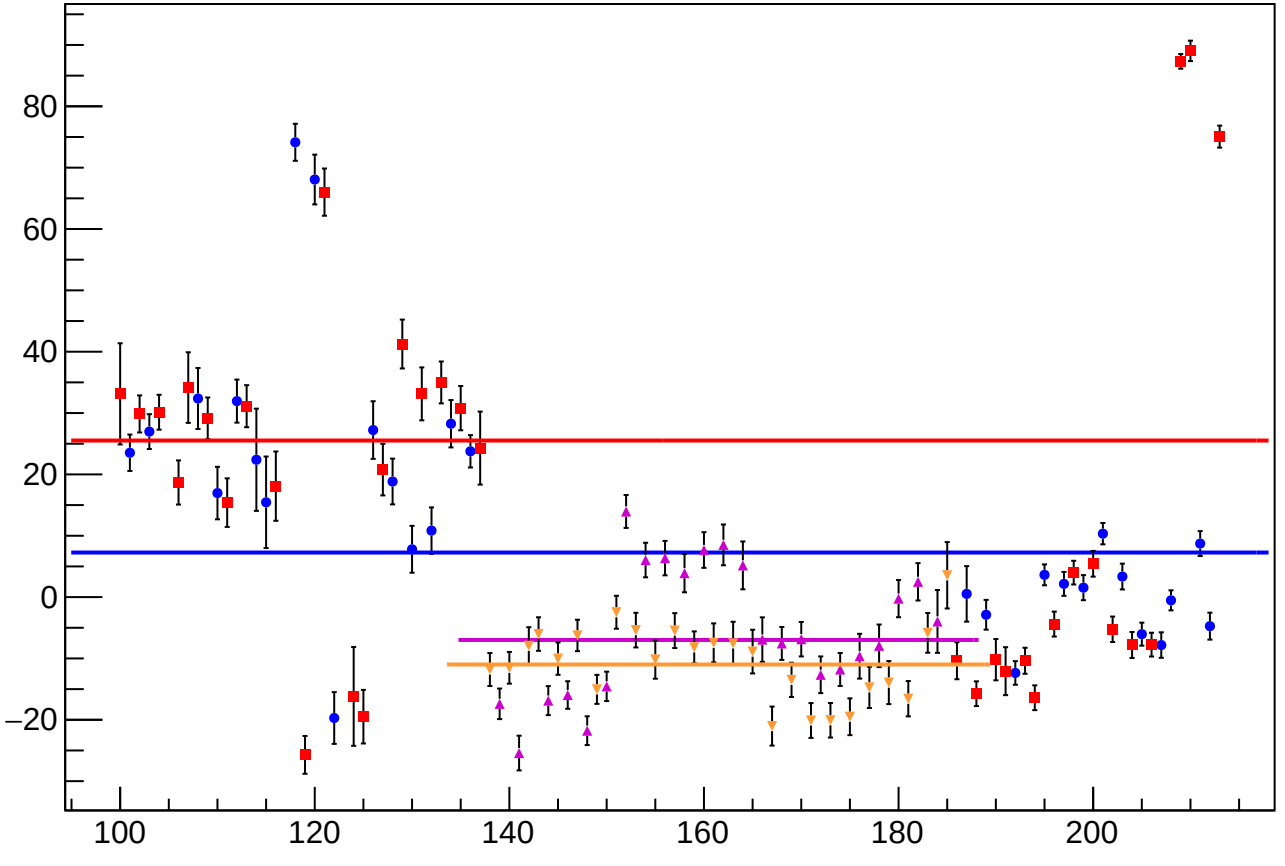
Right: 1782.170+/-0.214 χ^2/NDF: 2904063.7/62

In: 1901.552+/-0.230 χ^2/NDF:2561375.1/51

Out: 1883.307+/-0.220 χ^2/NDF:3106571.0/58

All: 1892.015+/-0.159 χ^2/NDF: 5671228.8/11

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 7.266+/-0.478 χ^2/NDF: 1322.5/28

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

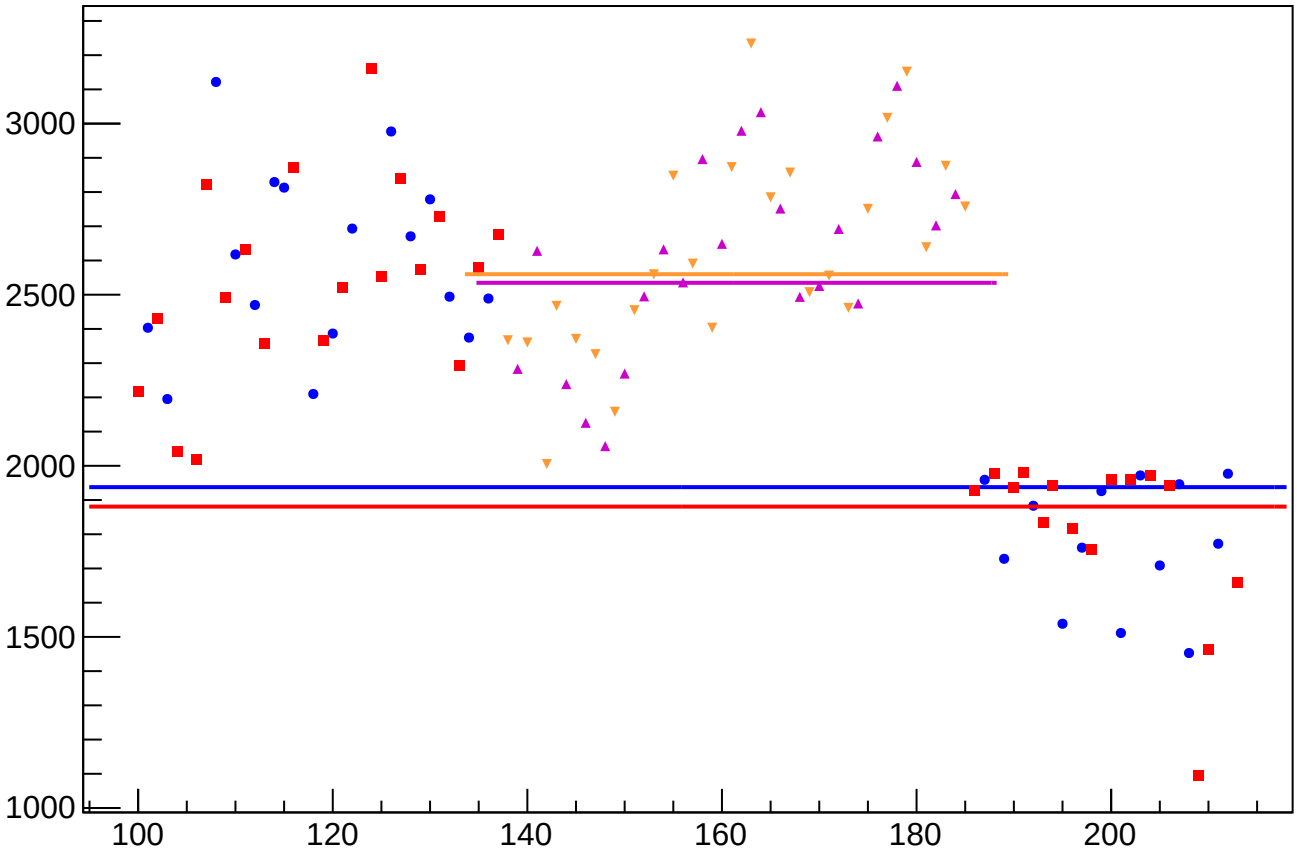
Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

Right: 17.036+/-0.326 χ^2/NDF: 10244.8/62

In: 1.713+/-0.374 χ^2/NDF:2008.1/51

Out: 12.143+/-0.355 χ^2/NDF:10689.4/58

All: 7.198+/-0.257 χ^2/NDF: 13107.4/110



Right In: 1937.669+/-0.338 χ^2/NDF: 1342754.8/28

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

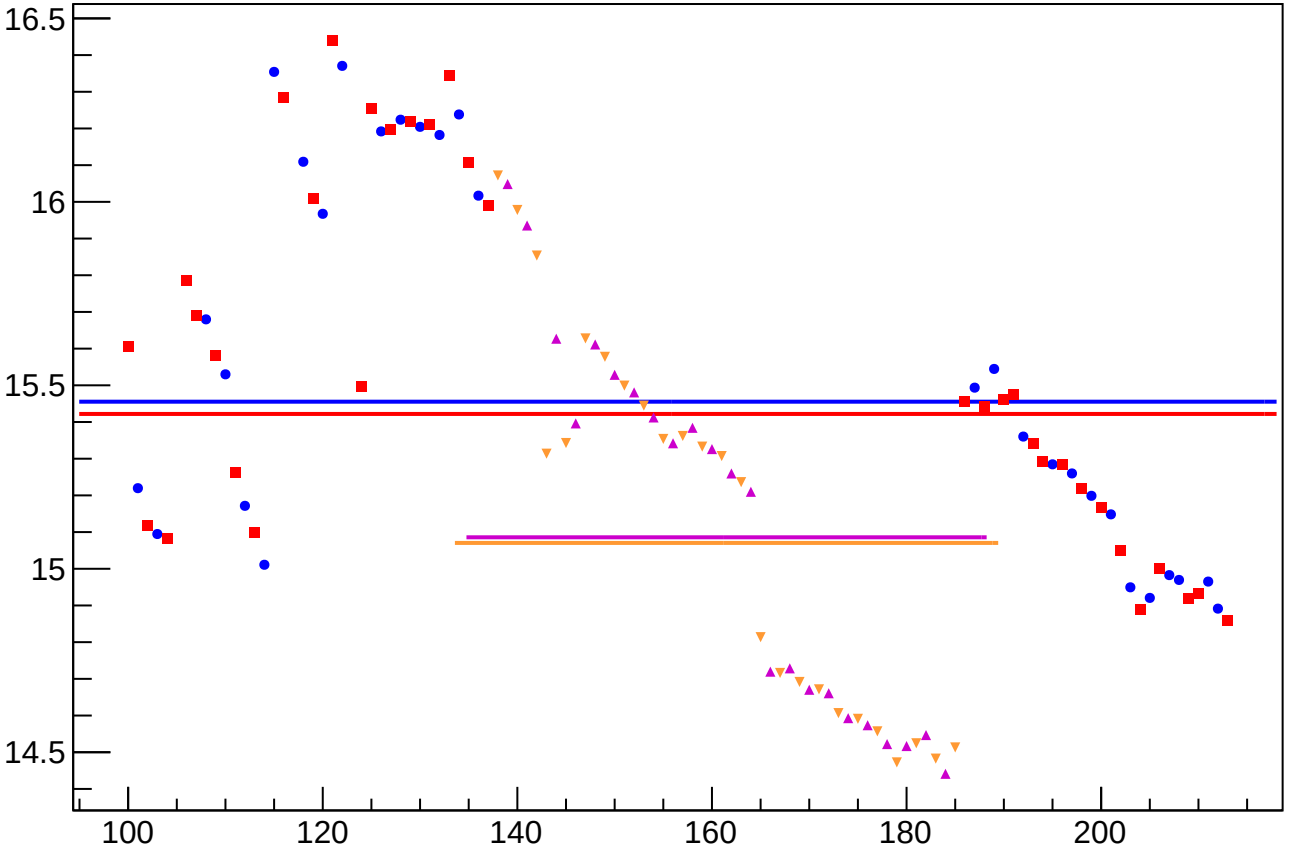
Right: 1907.243+/-0.231 χ^2/NDF: 3363659.6/62

In: 2170.325+/-0.264 χ^2/NDF:3021598.6/51

Out: 2129.718+/-0.251 χ^2/NDF:4158216.9/58

All: 2148.970+/-0.182 χ^2/NDF: 7192243.3/11

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.455+/-0.000 χ^2/NDF: 24372432089.6/28

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

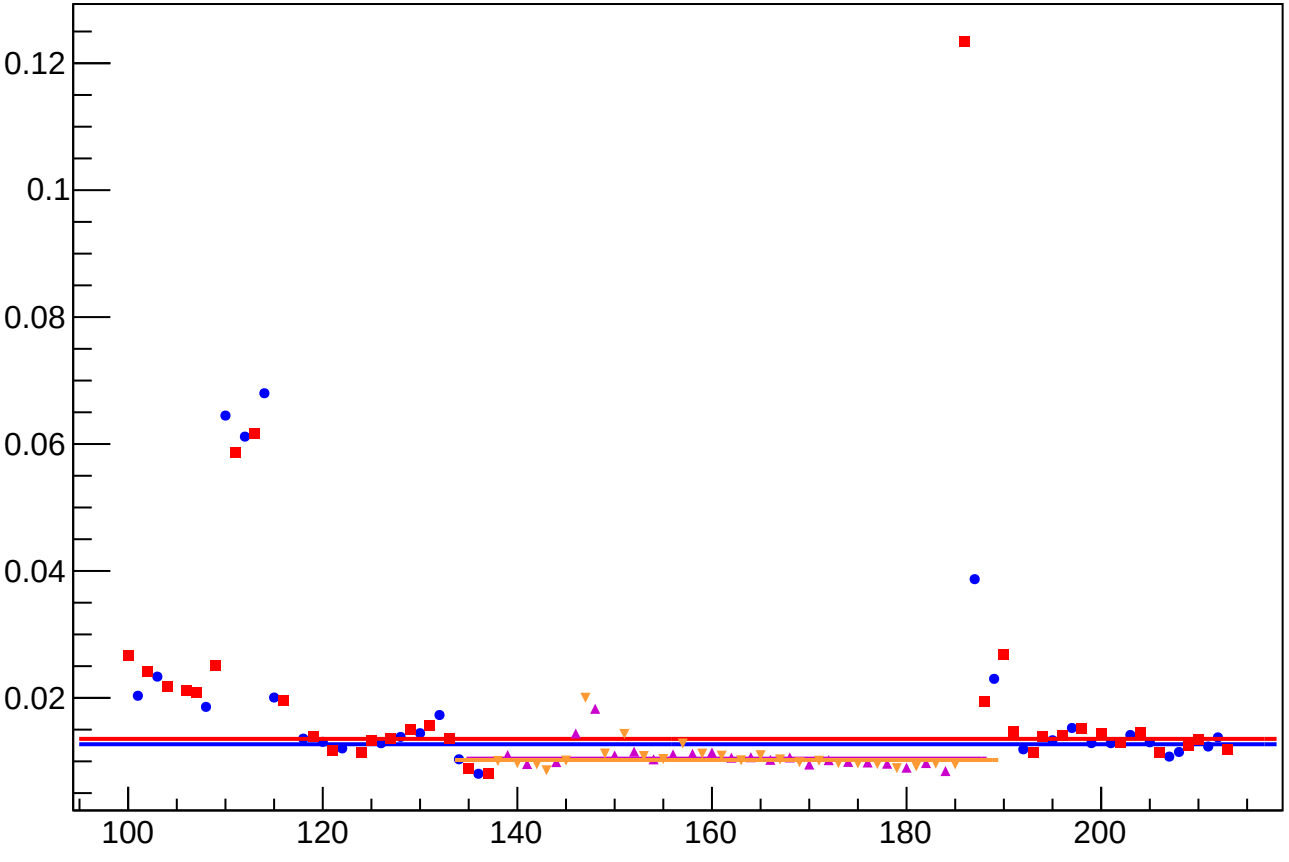
Right: 15.439+/-0.000 χ^2/NDF: 47819448861.1/62

In: 15.223+/-0.000 χ^2/NDF:71903891936.9/51

Out: 15.189+/-0.000 χ^2/NDF:74383170705.0/58

All: 15.206+/-0.000 χ^2/NDF: 146434507549.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2846637.5/28

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

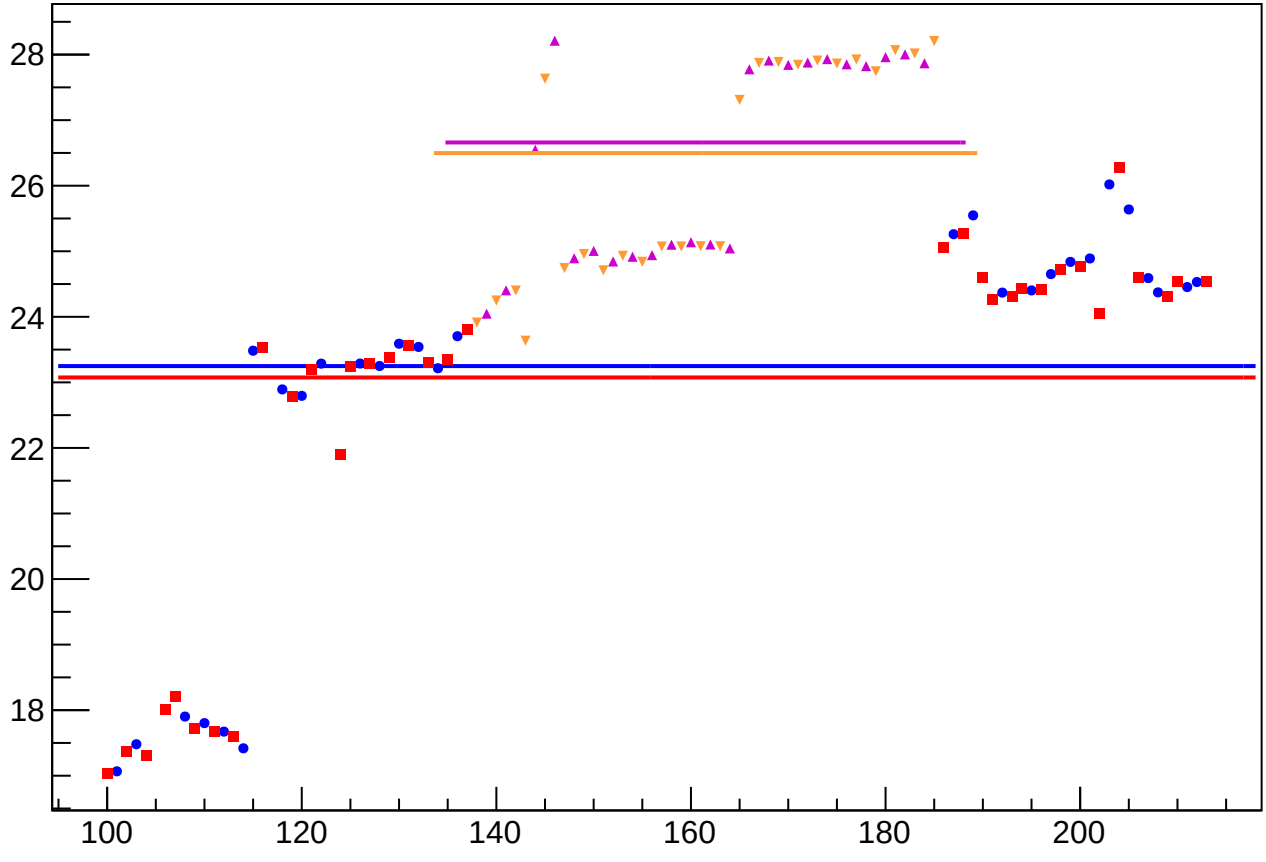
Right: 0.013+/-0.000 χ^2/NDF: 6305480.7/62

In: 0.011+/-0.000 χ^2/NDF:4048483.5/51

Out: 0.011+/-0.000 χ^2/NDF:5453947.5/58

All: 0.011+/-0.000 χ^2/NDF: 9503705.0/110

yield_sam2_mean vs Slug, Sign Corrected



Right In: 23.249+/-0.000 χ^2/NDF: 1629529549.3/28

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

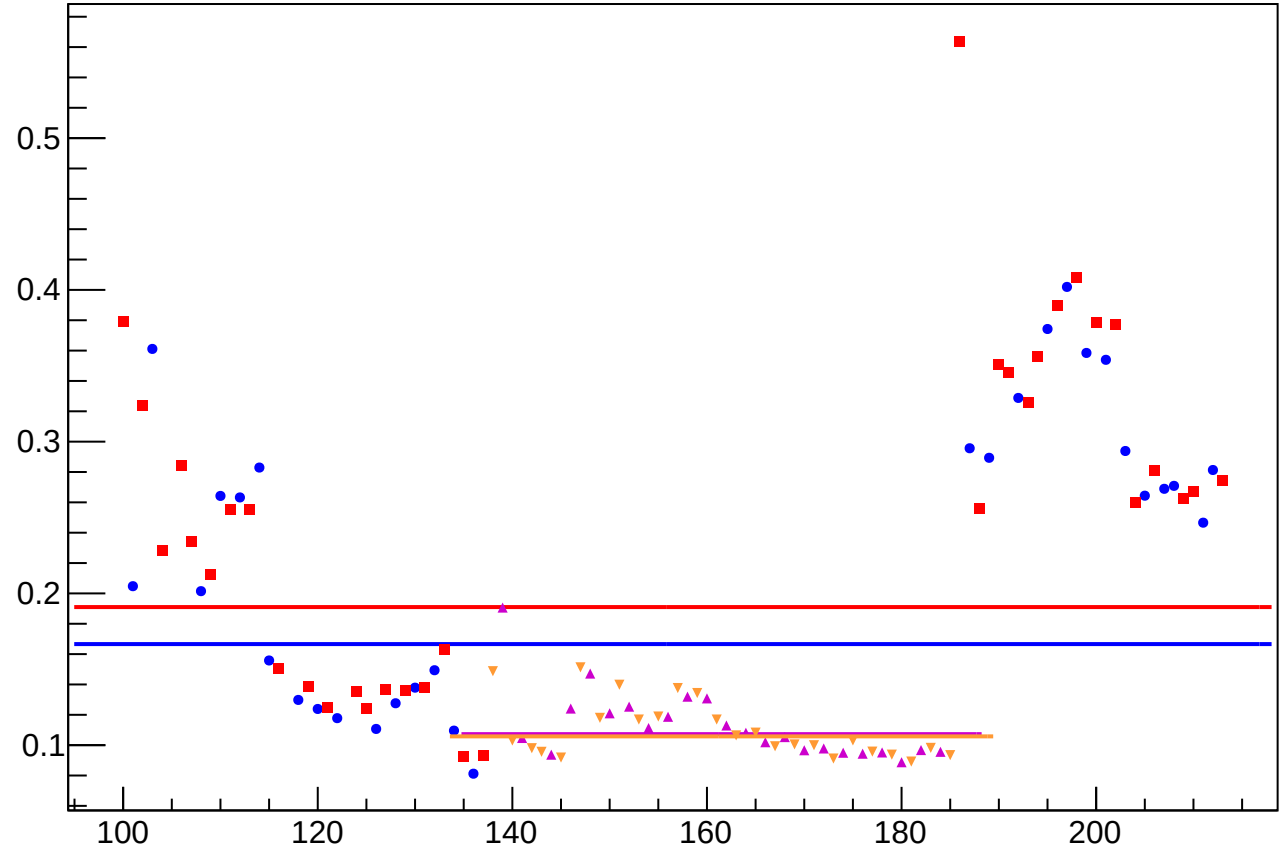
Right: 23.168+/-0.000 χ^2/NDF: 3361822889.0/62

In: 25.808+/-0.000 χ^2/NDF:8467074404.6/51

Out: 25.777+/-0.000 χ^2/NDF:9292597169.3/58

All: 25.792+/-0.000 χ^2/NDF: 17760552956.3

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.167+/-0.000 χ^2/NDF: 7169785.6/28

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

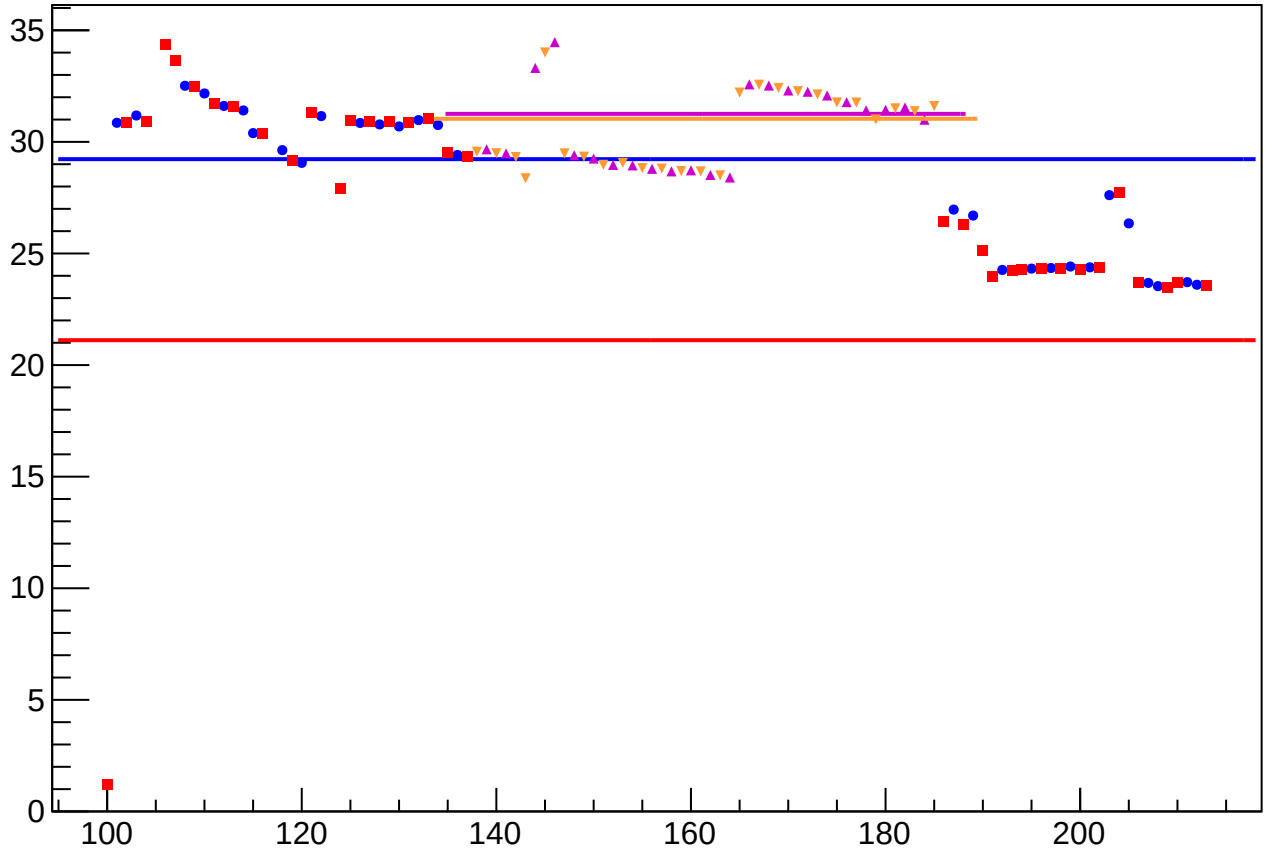
Right: 0.178+/-0.000 χ^2/NDF: 14083626.3/62

In: 0.122+/-0.000 χ^2/NDF:10420759.0/51

Out: 0.124+/-0.000 χ^2/NDF:11952206.0/58

All: 0.123+/-0.000 χ^2/NDF: 22377961.1/110

yield_sam3_mean vs Slug, Sign Corrected



Right In: 29.226+/-0.000 χ^2/NDF: 7190062714.1/28

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

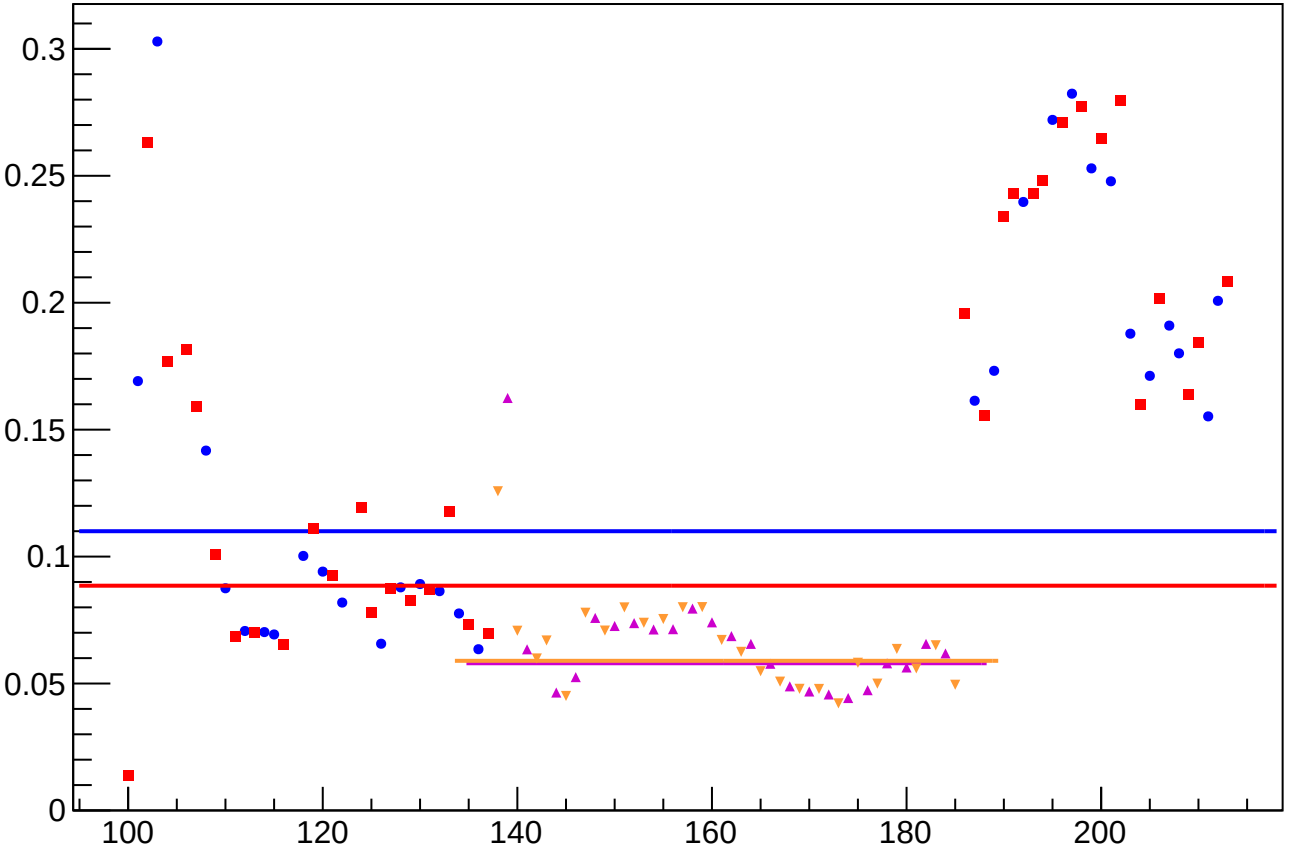
Right: 24.595+/-0.000 χ^2/NDF: 271532598187.9/62

In: 30.856+/-0.000 χ^2/NDF:23130939367.2/51

Out: 28.660+/-0.000 χ^2/NDF:339088801045.8/58

All: 29.708+/-0.000 χ^2/NDF: 375171445792.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.110+/-0.000 χ^2/NDF: 6911540.9/28

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

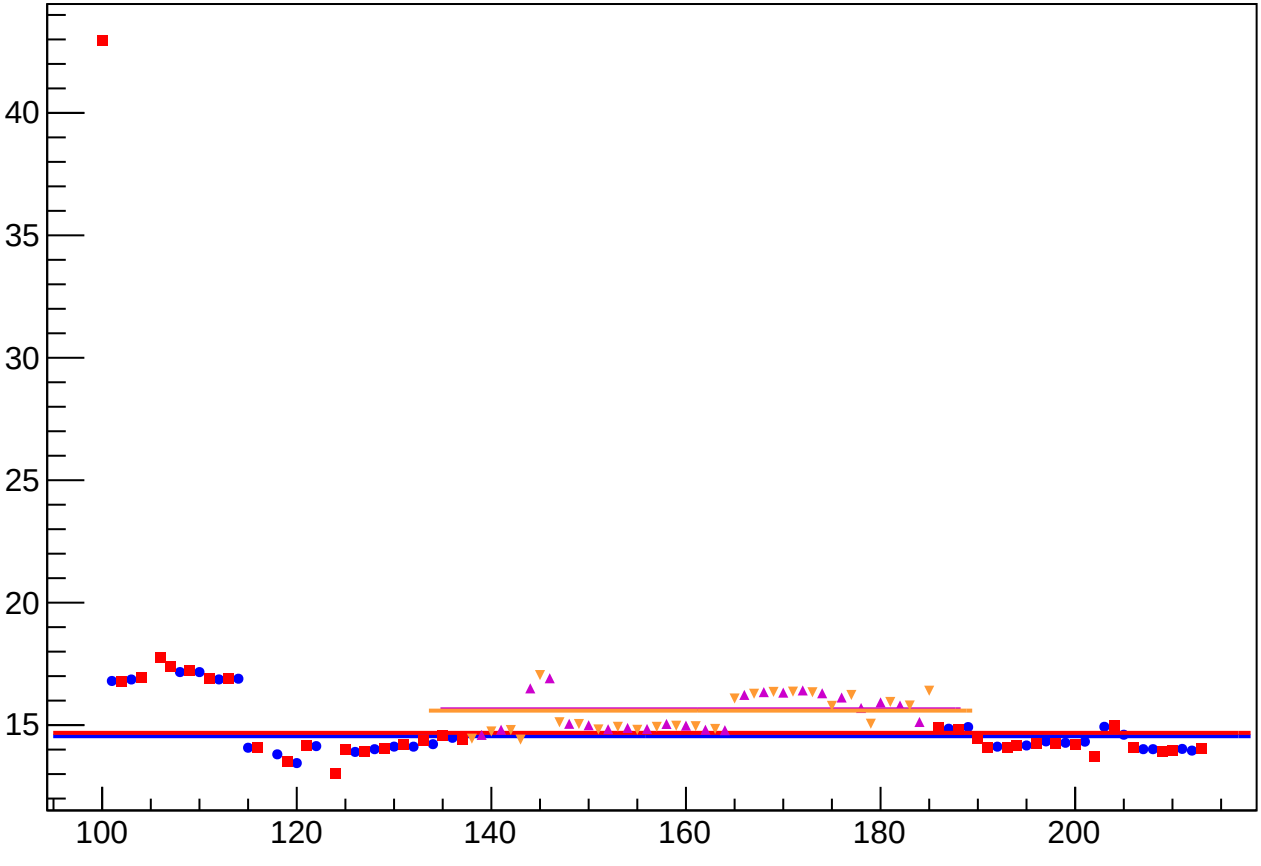
Right: 0.098+/-0.000 χ^2/NDF: 20818328.4/62

In: 0.068+/-0.000 χ^2/NDF:13029240.3/51

Out: 0.066+/-0.000 χ^2/NDF:16705753.8/58

All: 0.067+/-0.000 χ^2/NDF: 29761266.3/110

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.546+/-0.000 χ^2/NDF: 1263329005.5/28

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

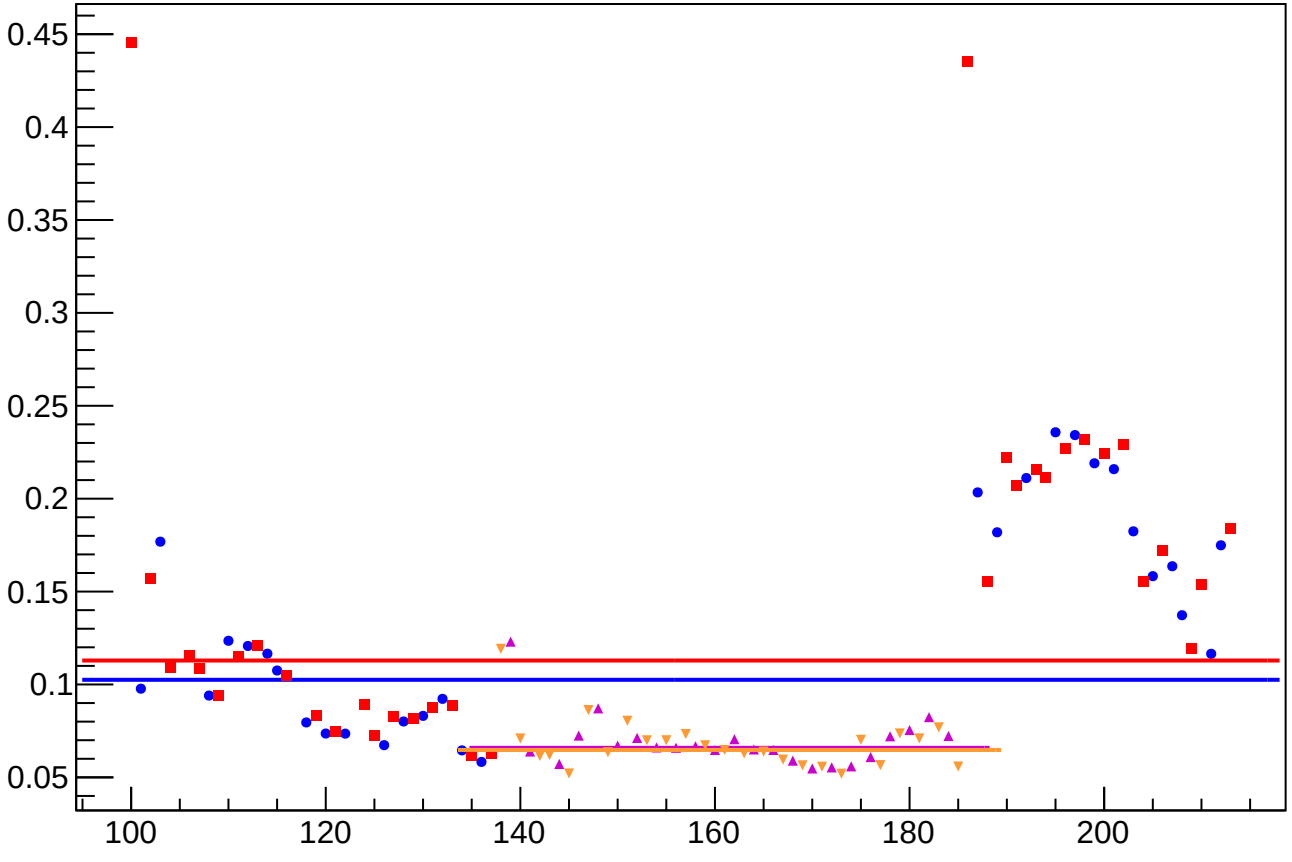
Right: 14.612+/-0.000 χ^2/NDF: 3148791131.6/62

In: 15.359+/-0.000 χ^2/NDF:4246859834.9/51

Out: 15.384+/-0.000 χ^2/NDF:4867985321.1/58

All: 15.371+/-0.000 χ^2/NDF: 9116395749.0/1

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.103+/-0.000 χ^2/NDF: 5873767.9/28

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

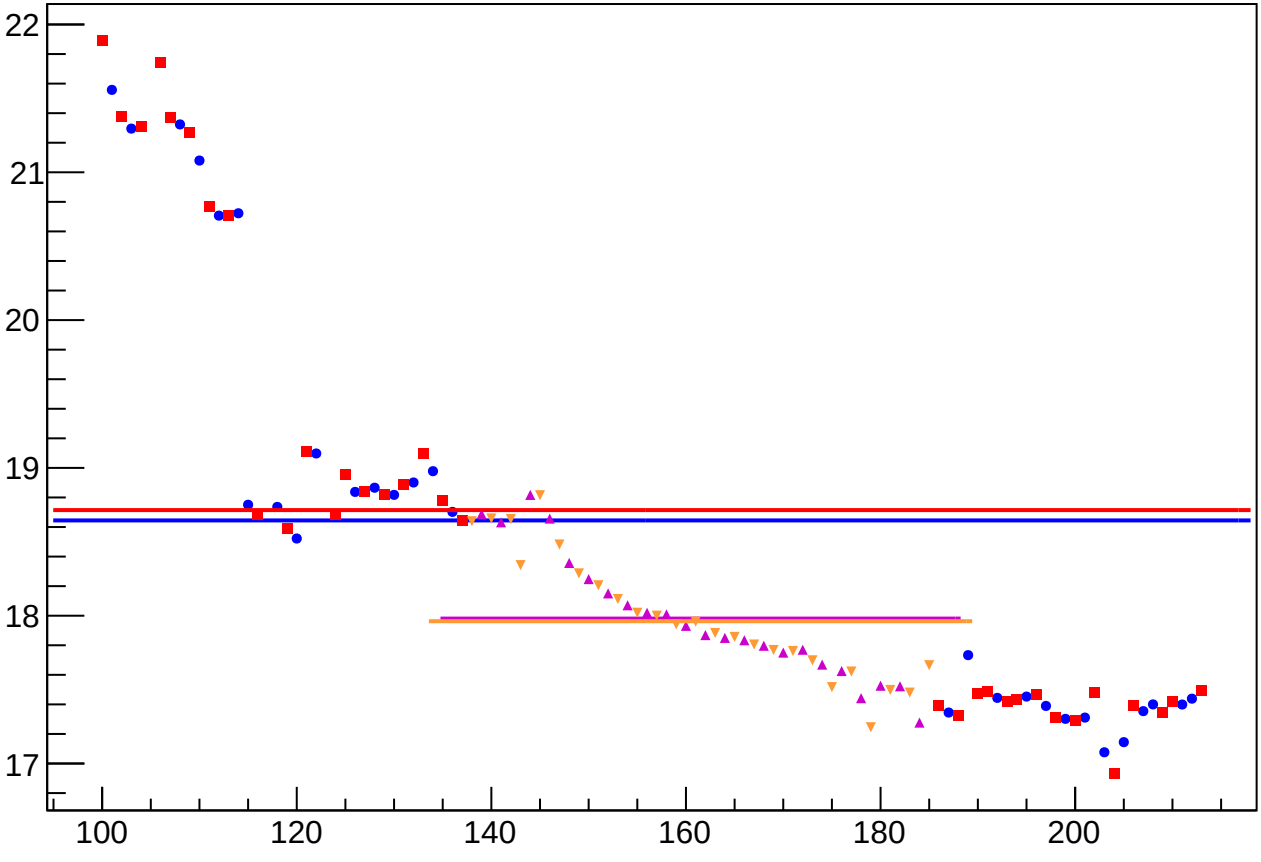
Right: 0.107+/-0.000 χ^2/NDF: 11942316.4/62

In: 0.075+/-0.000 χ^2/NDF:9162658.1/51

Out: 0.076+/-0.000 χ^2/NDF:10935682.0/58

All: 0.076+/-0.000 χ^2/NDF: 20098873.8/110

yield_sam5_mean vs Slug, Sign Corrected



Right In: 18.645+/-0.000 χ^2/NDF: 34462193049.9/28

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

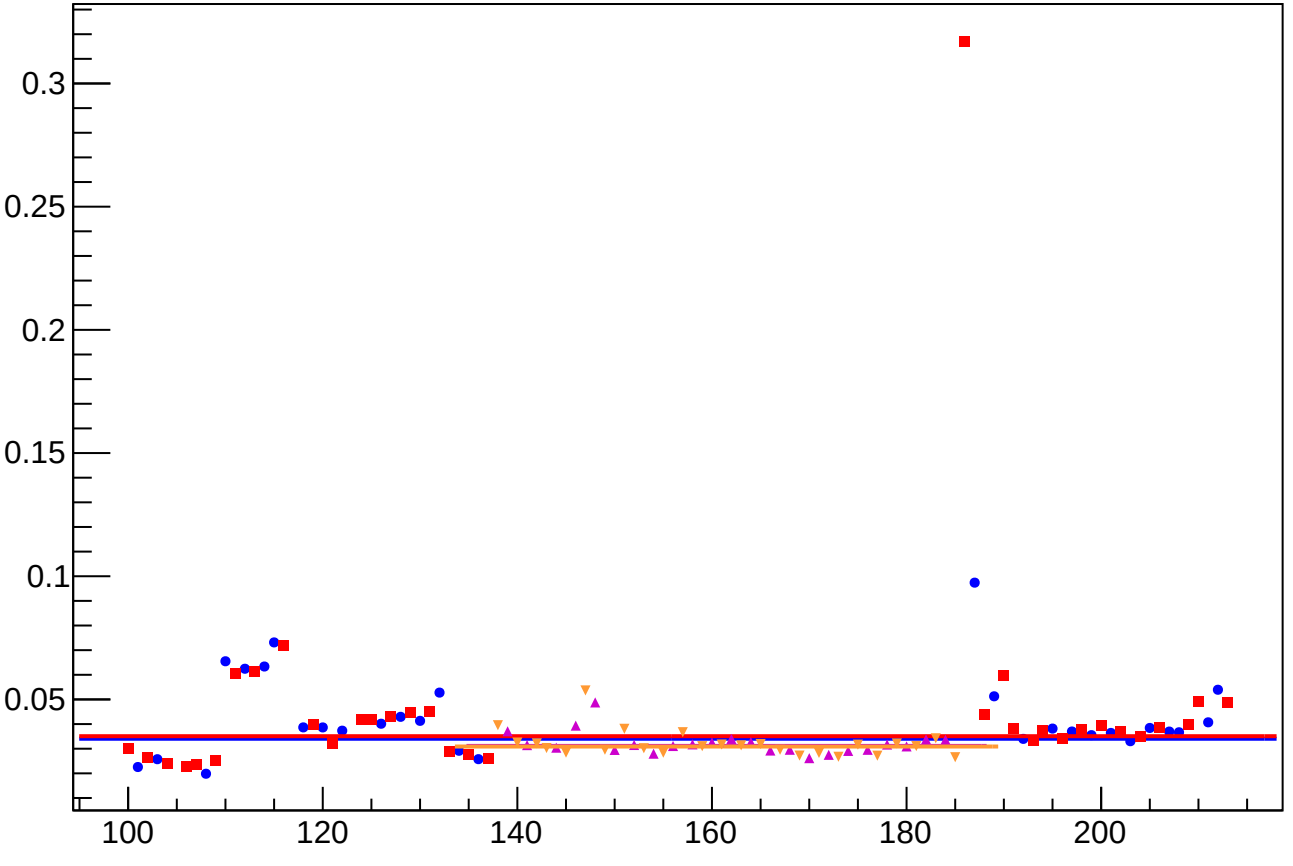
Right: 18.680+/-0.000 χ^2/NDF: 71925672949.0/62

In: 18.263+/-0.000 χ^2/NDF:40538921340.0/51

Out: 18.273+/-0.000 χ^2/NDF:44953580146.4/58

All: 18.268+/-0.000 χ^2/NDF: 85494163533.2

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 2228589.5/28

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

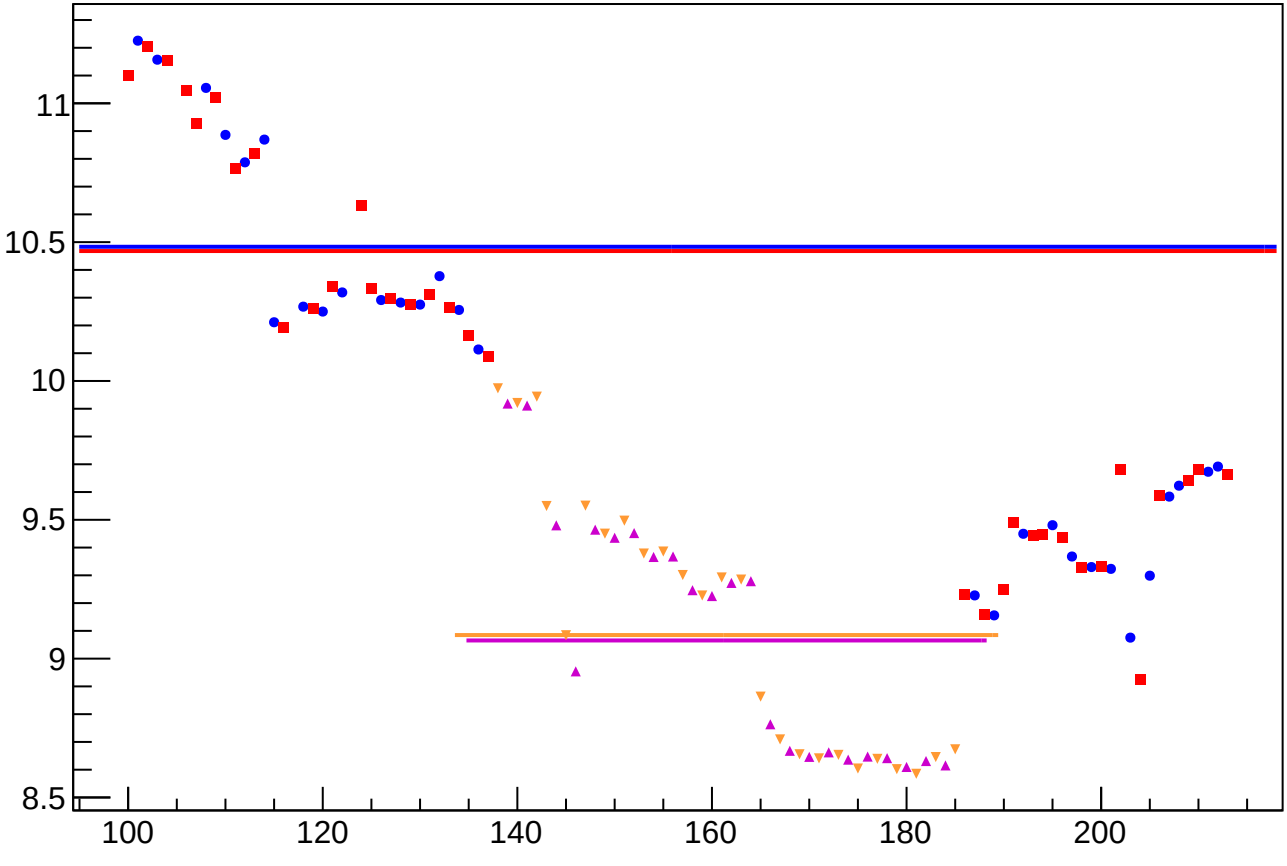
Right: 0.035+/-0.000 χ^2/NDF: 4820425.3/62

In: 0.032+/-0.000 χ^2/NDF:2840277.0/51

Out: 0.033+/-0.000 χ^2/NDF:3489268.3/58

All: 0.033+/-0.000 χ^2/NDF: 6331469.4/110

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.483+/-0.000 χ^2/NDF: 14988922952.3/28

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

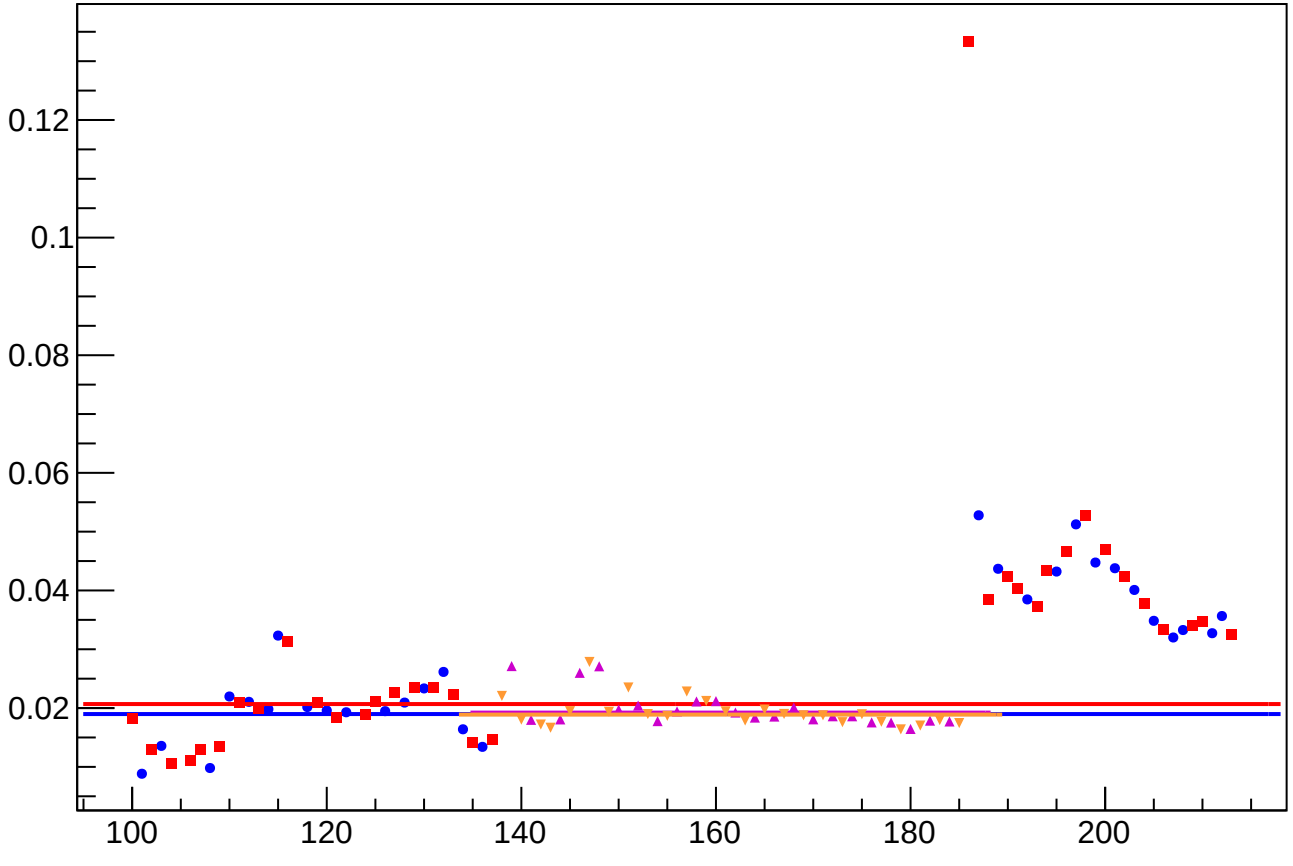
Right: 10.476+/-0.000 χ^2/NDF: 29106367047.3/62

In: 9.681+/-0.000 χ^2/NDF:62144620381.5/51

Out: 9.637+/-0.000 χ^2/NDF:61930385684.5/58

All: 9.658+/-0.000 χ^2/NDF: 124154018978.7

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 7930622.3/28

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

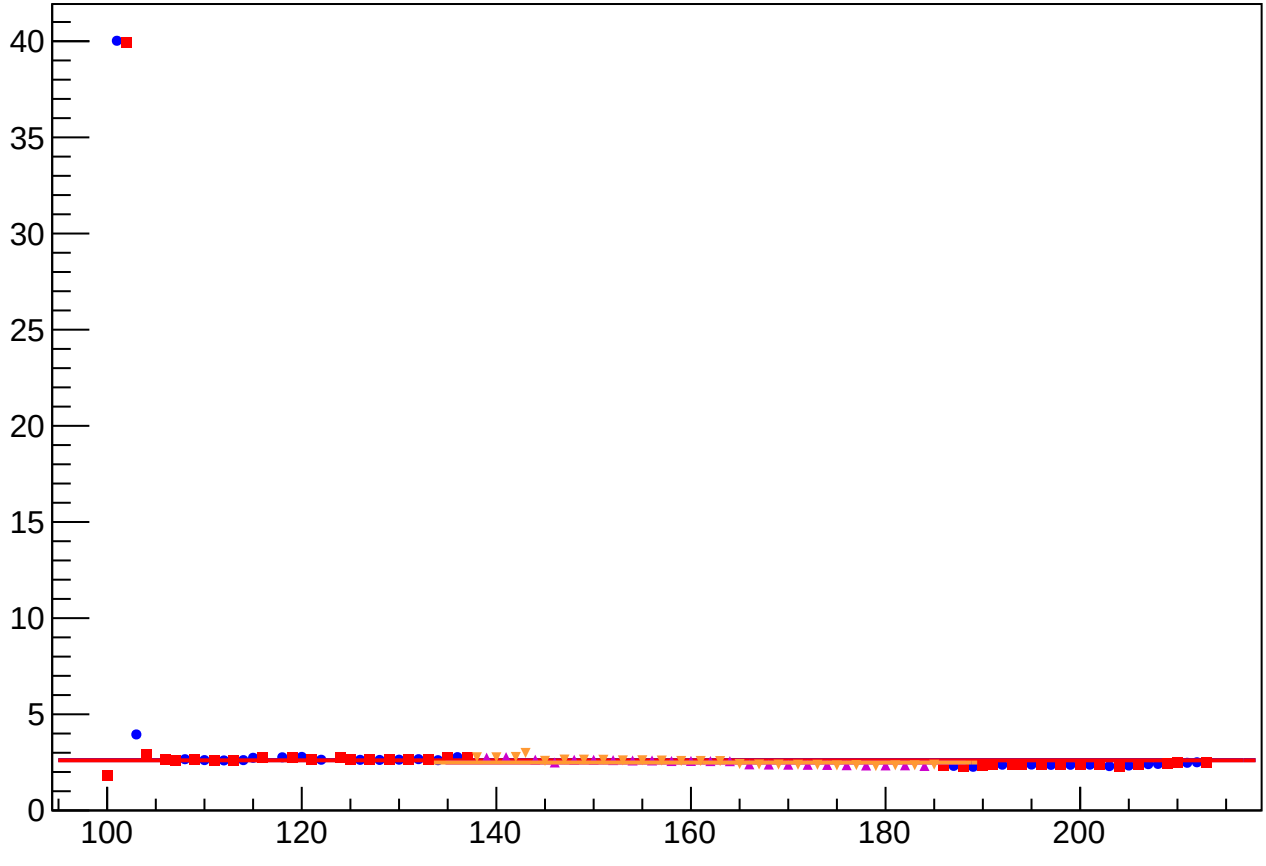
Right: 0.020+/-0.000 χ^2/NDF: 15956642.7/62

In: 0.019+/-0.000 χ^2/NDF:8473905.6/51

Out: 0.020+/-0.000 χ^2/NDF:8496337.6/58

All: 0.019+/-0.000 χ^2/NDF: 16989146.5/110

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.618+/-0.000 χ^2/NDF: 86962962229.5/28

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

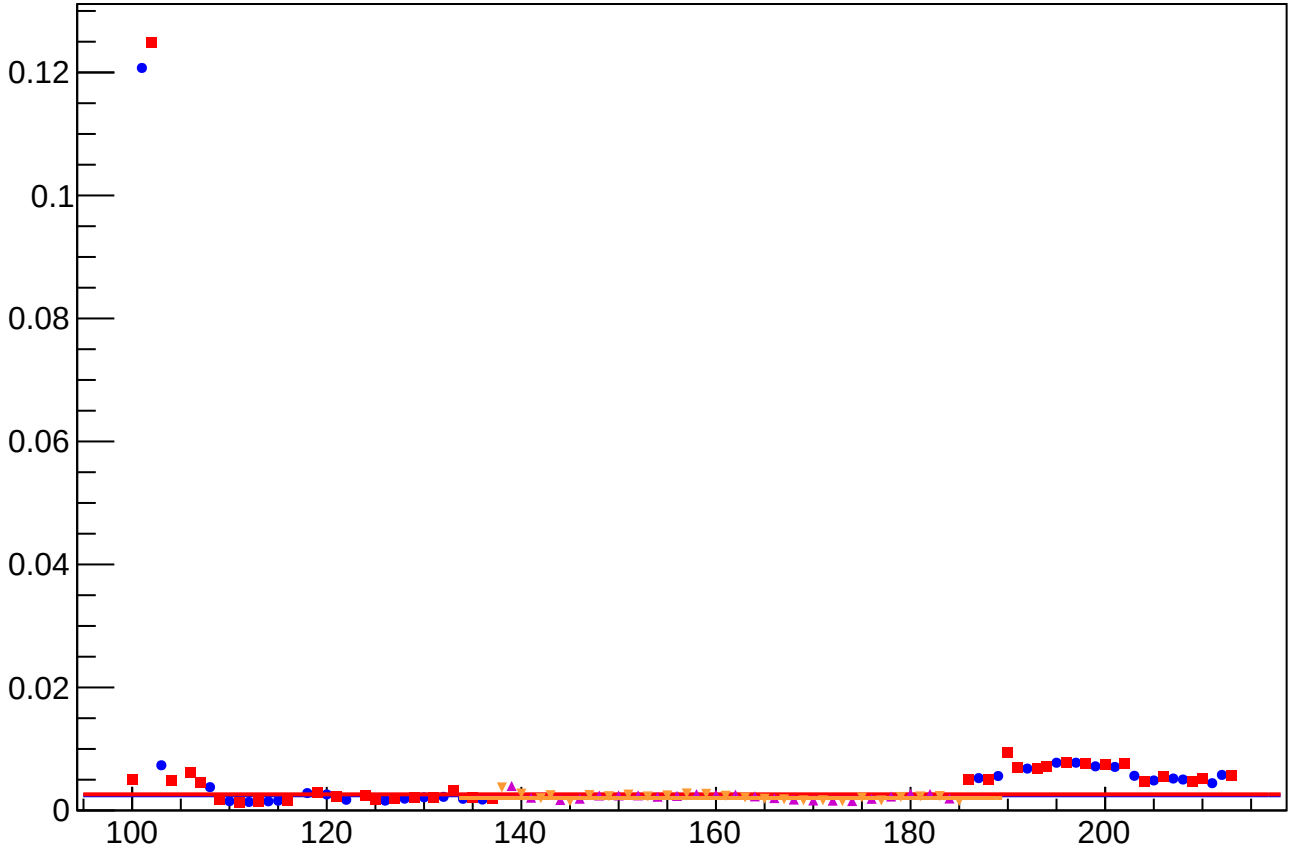
Right: 2.613+/-0.000 χ^2/NDF: 172362591087.2/62

In: 2.532+/-0.000 χ^2/NDF:167527552332.5/51

Out: 2.527+/-0.000 χ^2/NDF:193415196712.5/58

All: 2.530+/-0.000 χ^2/NDF: 360998092632.5

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 9852402.0/28

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

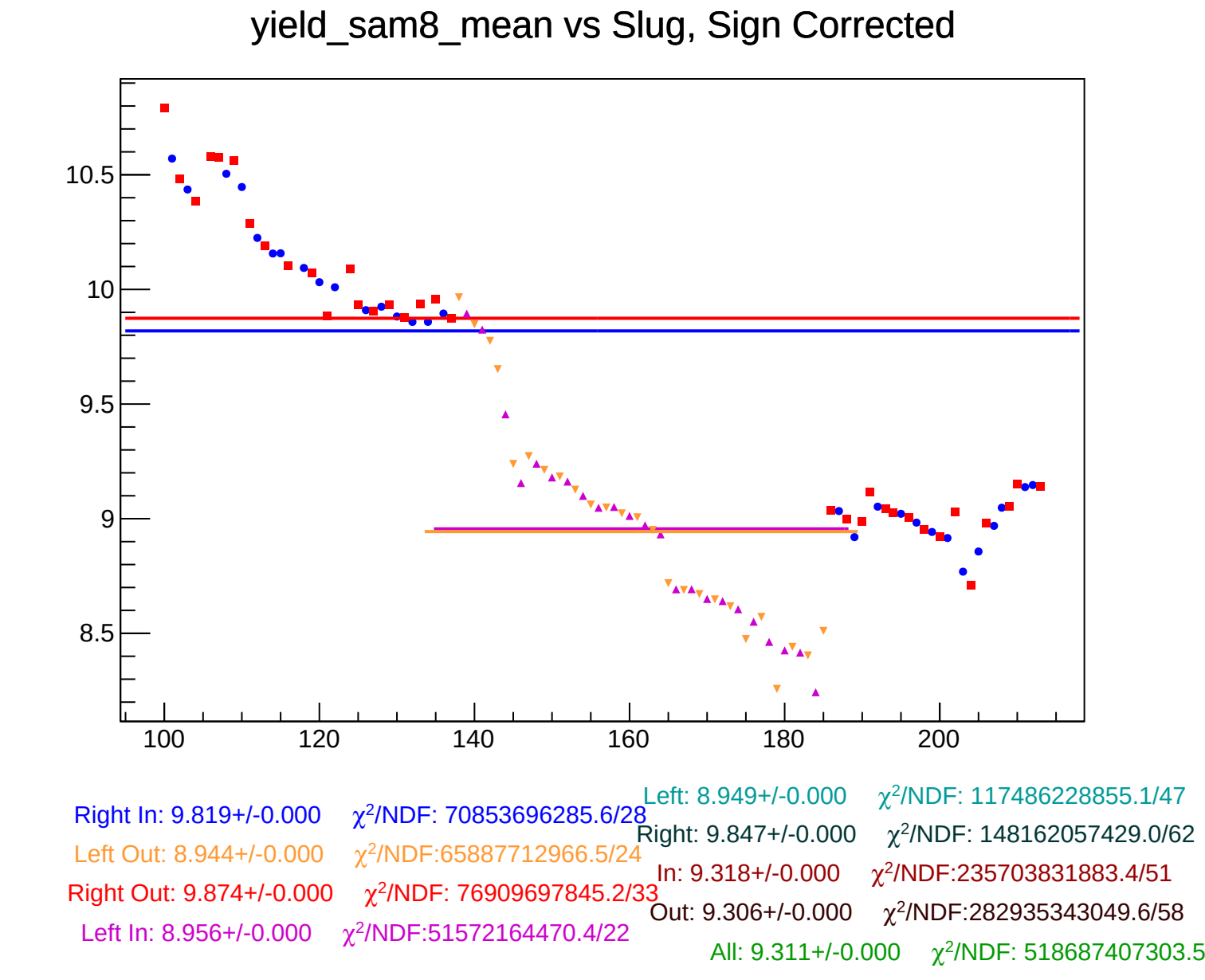
Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

Right: 0.003+/-0.000 χ^2/NDF: 21252550.2/62

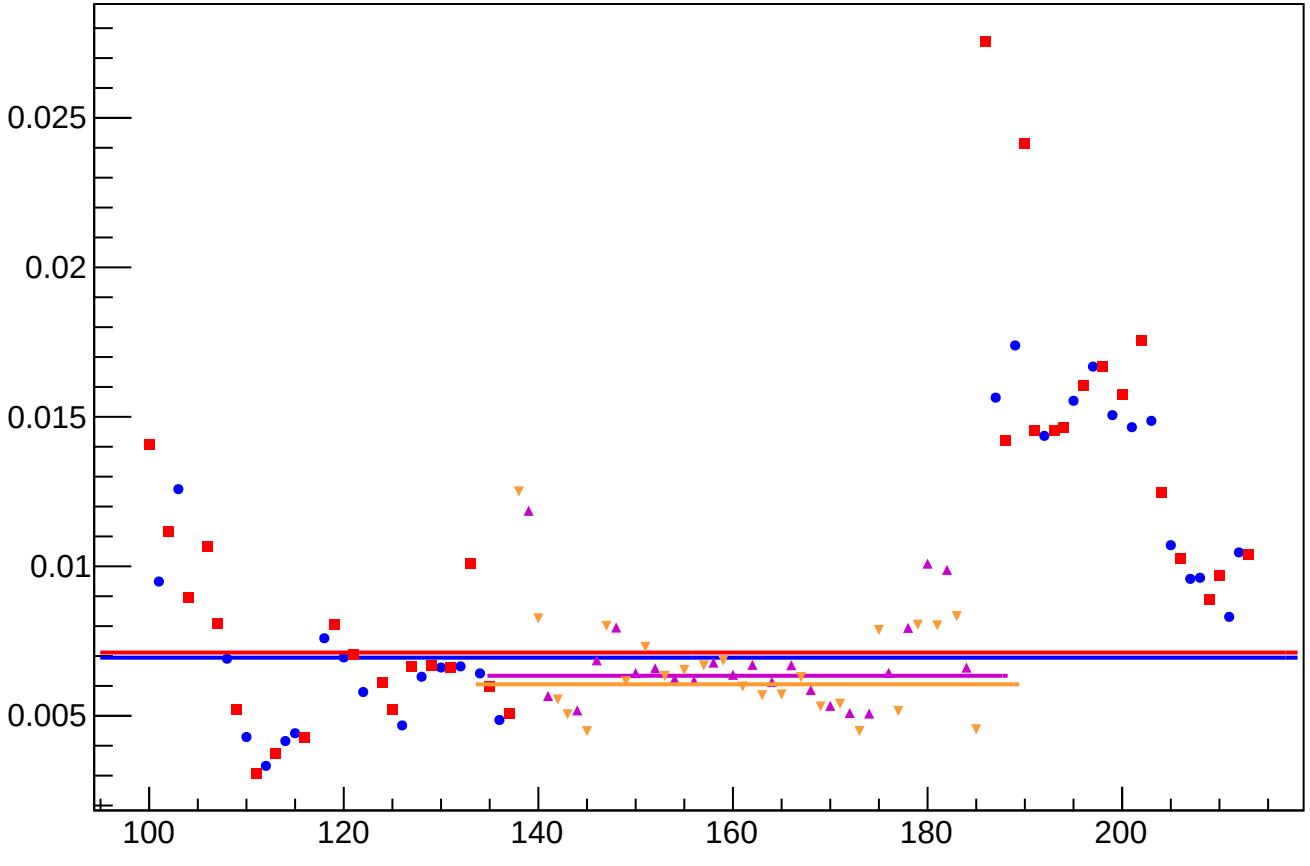
In: 0.002+/-0.000 χ^2/NDF:11629900.7/51

Out: 0.002+/-0.000 χ^2/NDF:13756901.4/58

All: 0.002+/-0.000 χ^2/NDF: 25387270.5/110


yield_sam8_mean vs Slug, Sign Corrected
10.5
10
9.5
9
8.5
100
120
140
160
180
200
Right In: 9.819+/-0.000 χ²/NDF: 70853696285.6/28
Left Out: 8.944+/-0.000 χ²/NDF:65887712966.5/24
Right Out: 9.874+/-0.000 χ²/NDF: 76909697845.2/33
Left In: 8.956+/-0.000 χ²/NDF:51572164470.4/22
Left: 8.949+/-0.000 χ²/NDF: 117486228855.1/47
Right: 9.847+/-0.000 χ²/NDF: 148162057429.0/62
In: 9.318+/-0.000 χ²/NDF:235703831883.4/51
Out: 9.306+/-0.000 χ²/NDF:282935343049.6/58
All: 9.311+/-0.000 χ²/NDF: 518687407303.5

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6485101.3/28

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

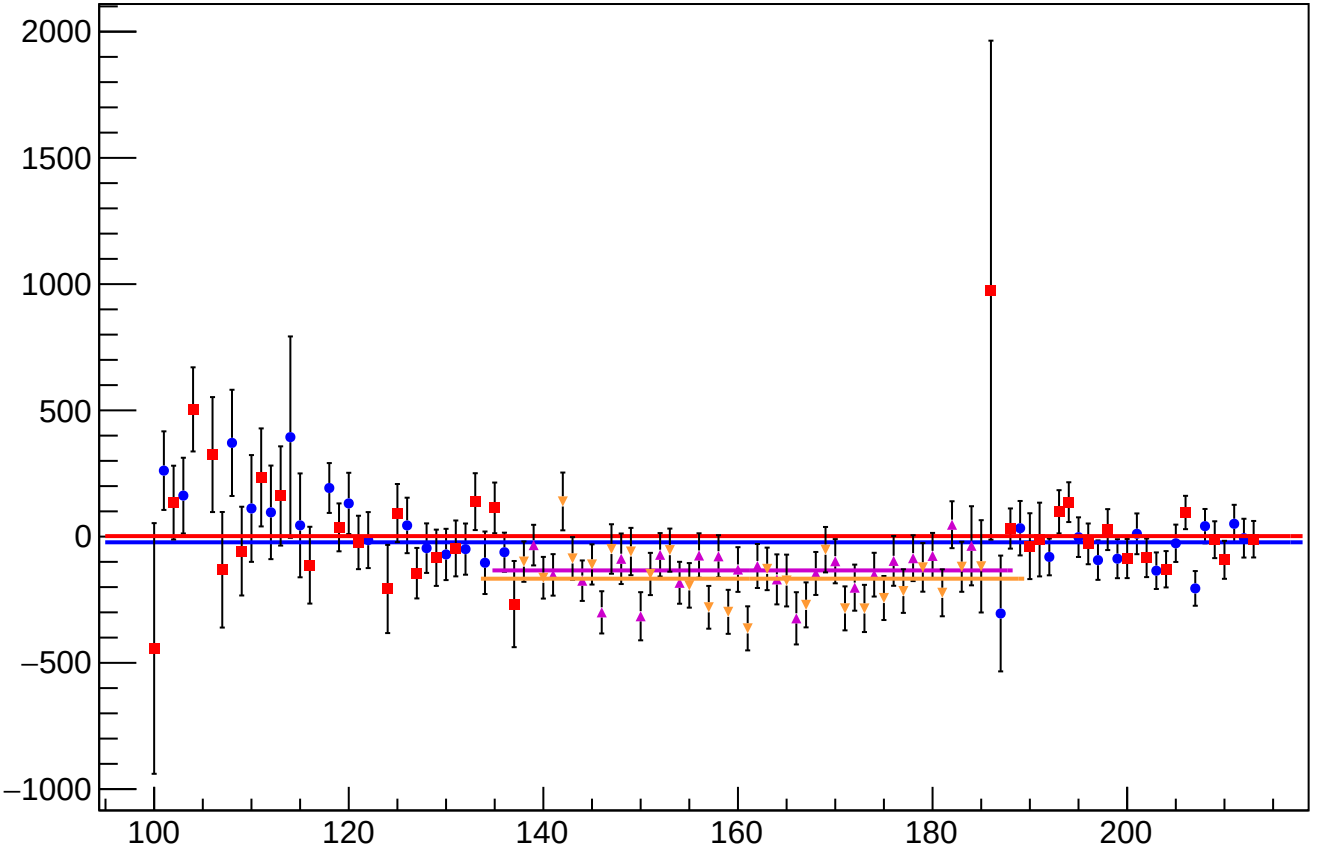
Right: 0.007+/-0.000 χ^2/NDF: 14834263.0/62

In: 0.007+/-0.000 χ^2/NDF:7771784.7/51

Out: 0.006+/-0.000 χ^2/NDF:10168577.4/58

All: 0.007+/-0.000 χ^2/NDF: 17950774.5/110

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -22.547+/-17.836 χ^2/NDF: 33.7/28

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

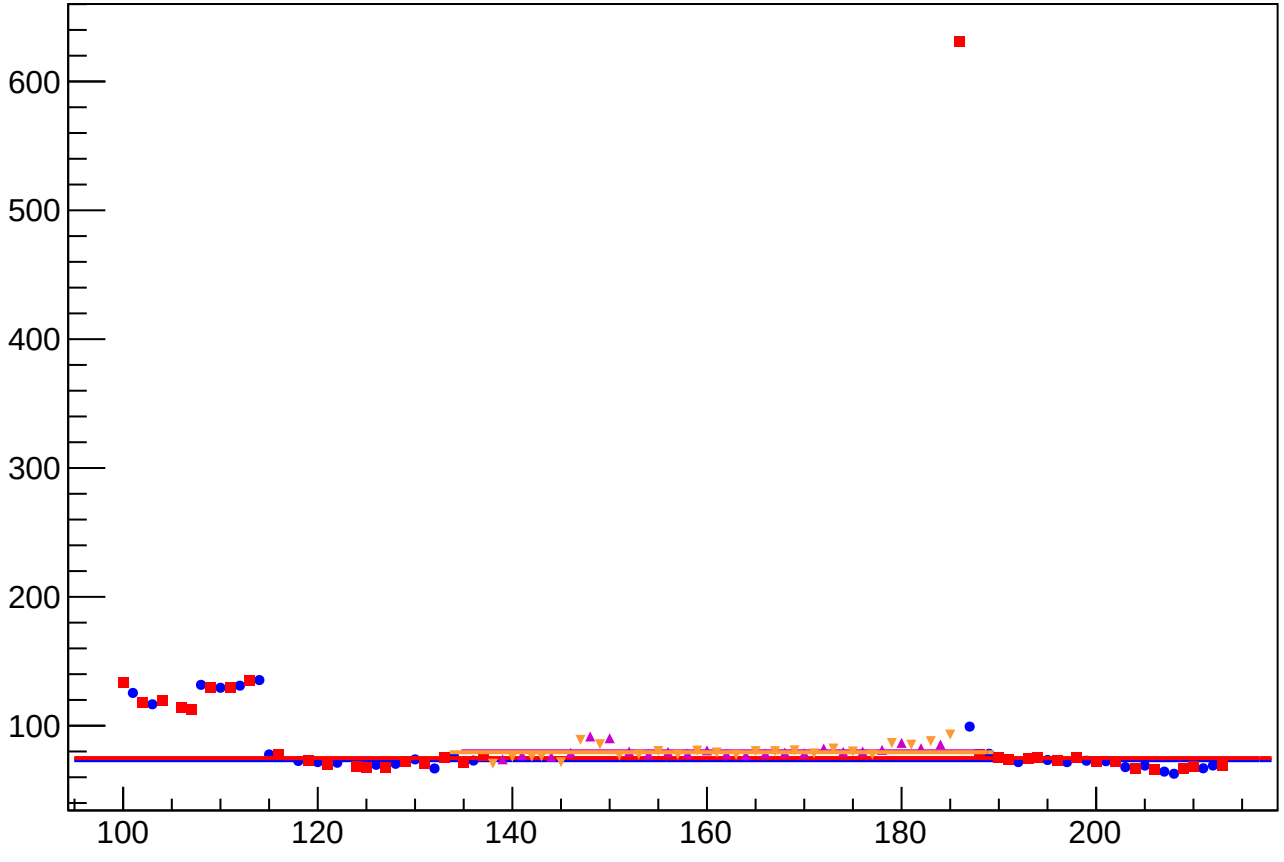
Right: -10.139+/-12.535 χ^2/NDF: 76.0/62

In: -75.400+/-12.925 χ^2/NDF:72.9/51

Out: -80.182+/-12.618 χ^2/NDF:117.7/58

All: -77.848+/-9.029 χ^2/NDF: 190.7/110

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 73.236+/-0.013 χ^2/NDF: 1096924.3/28

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

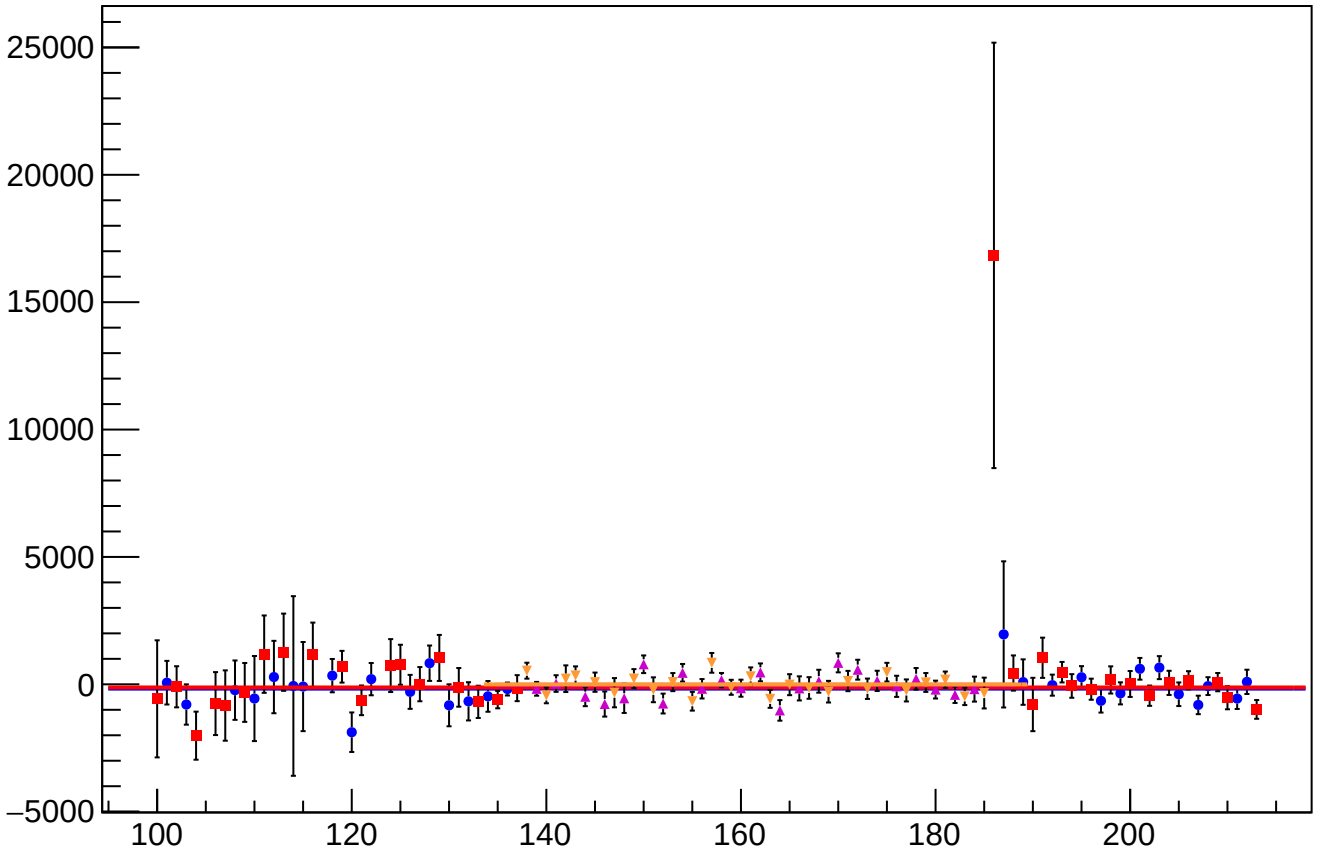
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 74.074+/-0.009 χ^2/NDF: 2895697.7/62

In: 76.524+/-0.009 χ^2/NDF:1331533.7/51

Out: 77.093+/-0.009 χ^2/NDF:1988912.9/58

All: 76.815+/-0.006 χ^2/NDF: 3322430.7/110



Right In: -168.473+/-99.477 χ^2/NDF: 24.5/28

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

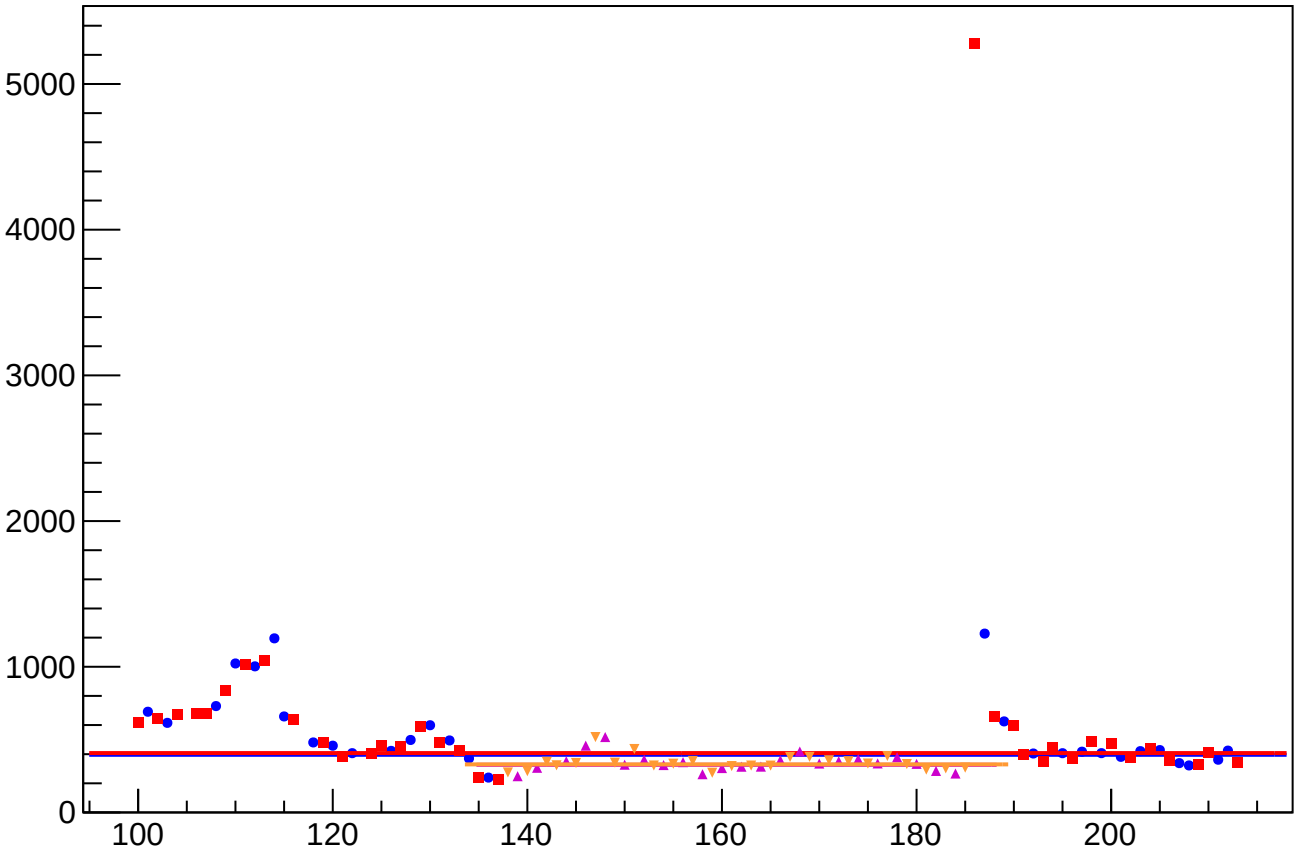
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -146.199+/-70.219 χ^2/NDF: 58.7/62

In: -75.679+/-61.156 χ^2/NDF:60.9/51

Out: -48.017+/-60.246 χ^2/NDF:59.1/58

All: -61.641+/-42.919 χ^2/NDF: 120.1/110



Right In: 395.823+/-0.070 χ^2/NDF: 2847461.1/28

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

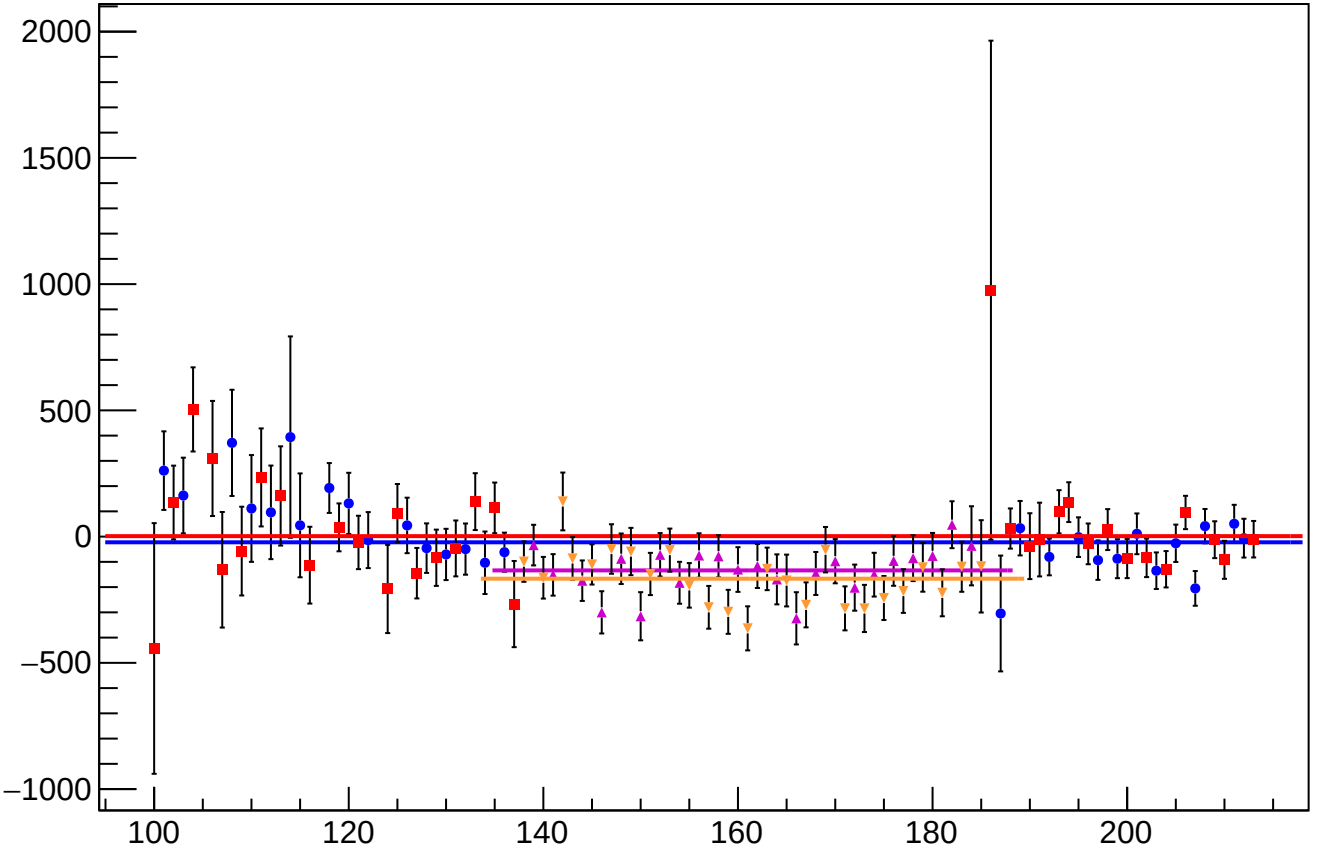
Right: 401.727+/-0.050 χ^2/NDF: 6638935.8/62

In: 352.989+/-0.043 χ^2/NDF:4342913.8/51

Out: 358.636+/-0.043 χ^2/NDF:5209995.5/58

All: 355.855+/-0.030 χ^2/NDF: 9561563.7/110

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -22.548+/-17.836 χ^2/NDF: 33.7/28

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

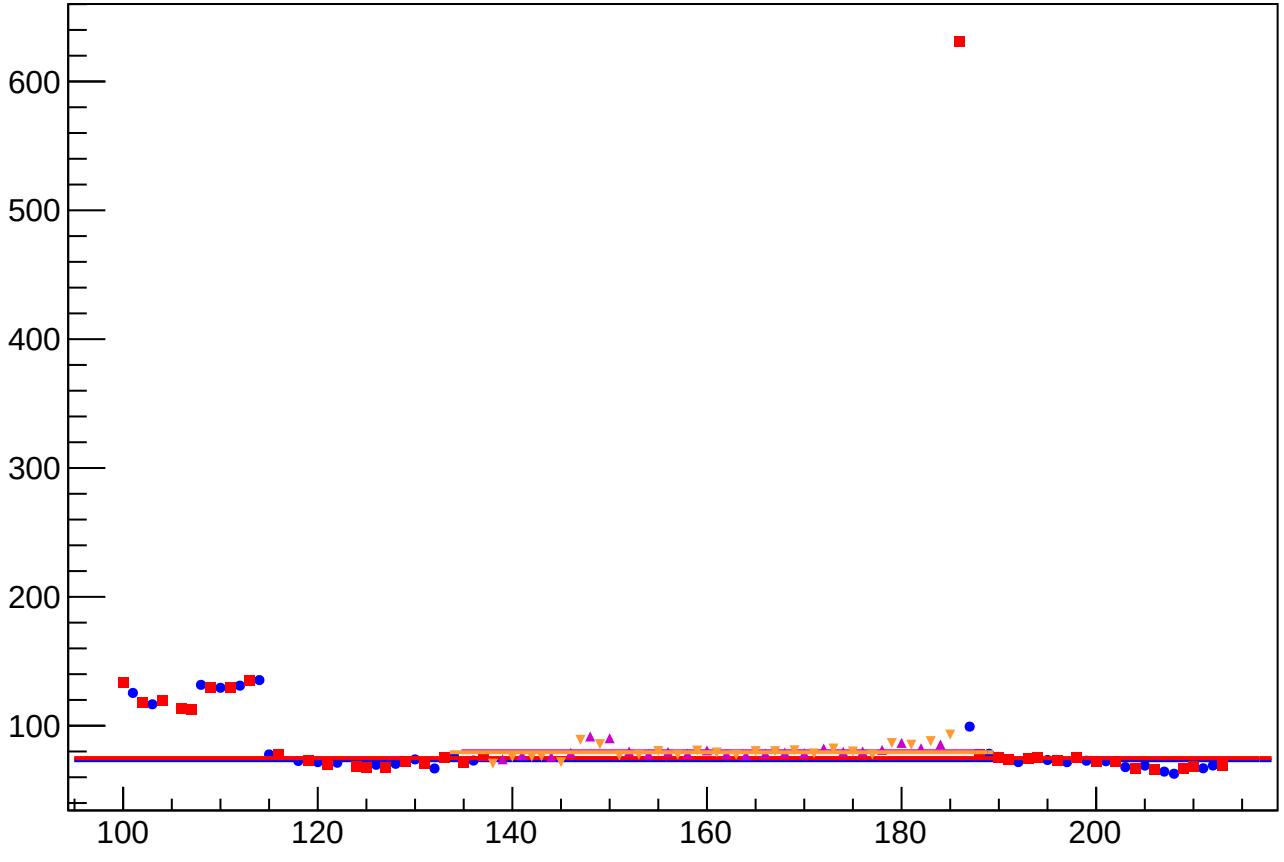
Right: -10.189+/-12.535 χ^2/NDF: 75.8/62

In: -75.403+/-12.925 χ^2/NDF:72.9/51

Out: -80.232+/-12.618 χ^2/NDF:117.4/58

All: -77.876+/-9.029 χ^2/NDF: 190.4/110

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 73.236+/-0.013 χ^2/NDF: 1096924.5/28

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

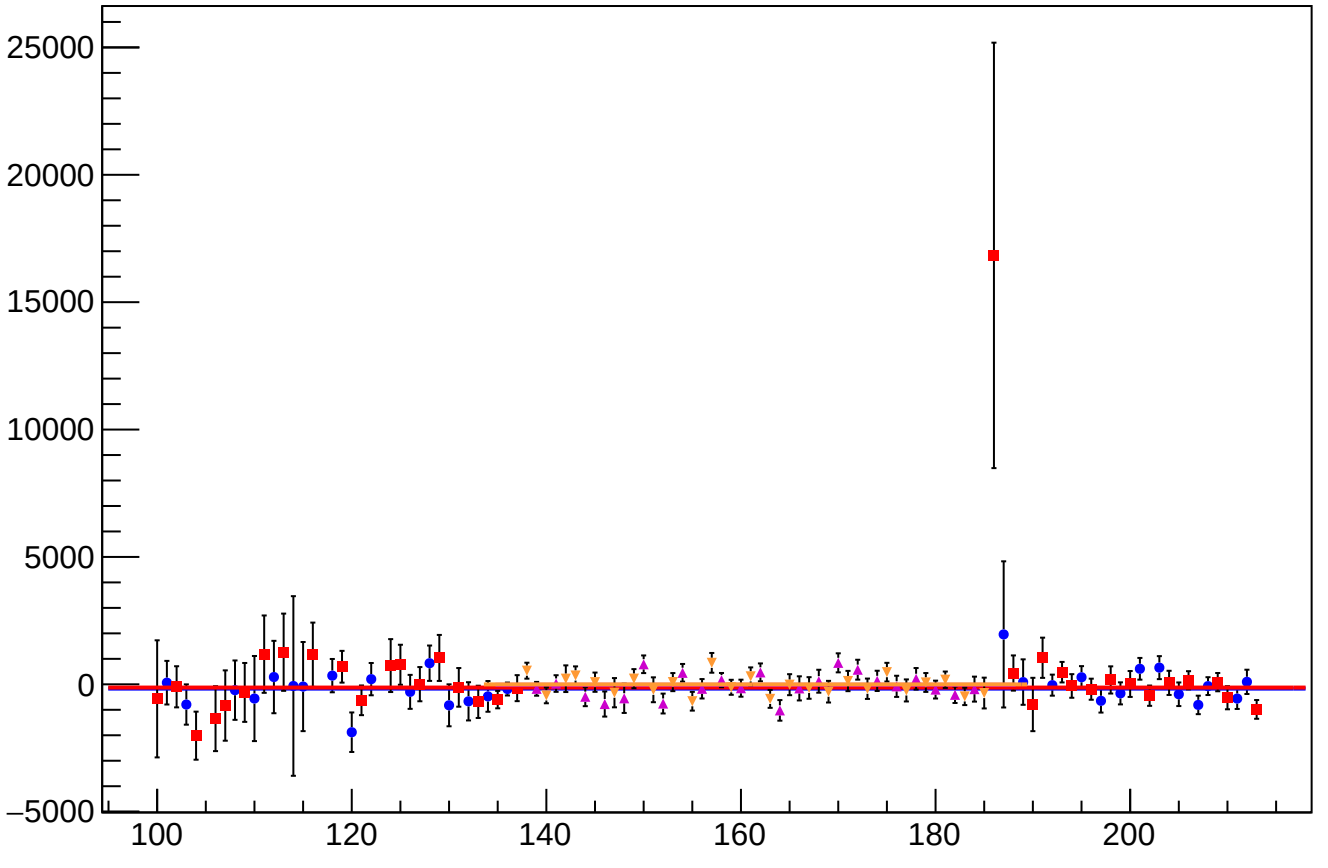
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 74.072+/-0.009 χ^2/NDF: 2893325.7/62

In: 76.524+/-0.009 χ^2/NDF:1331533.9/51

Out: 77.090+/-0.009 χ^2/NDF:1986733.6/58

All: 76.814+/-0.006 χ^2/NDF: 3320234.1/110



Right In: -168.477+/-99.477 χ^2/NDF: 24.5/28

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

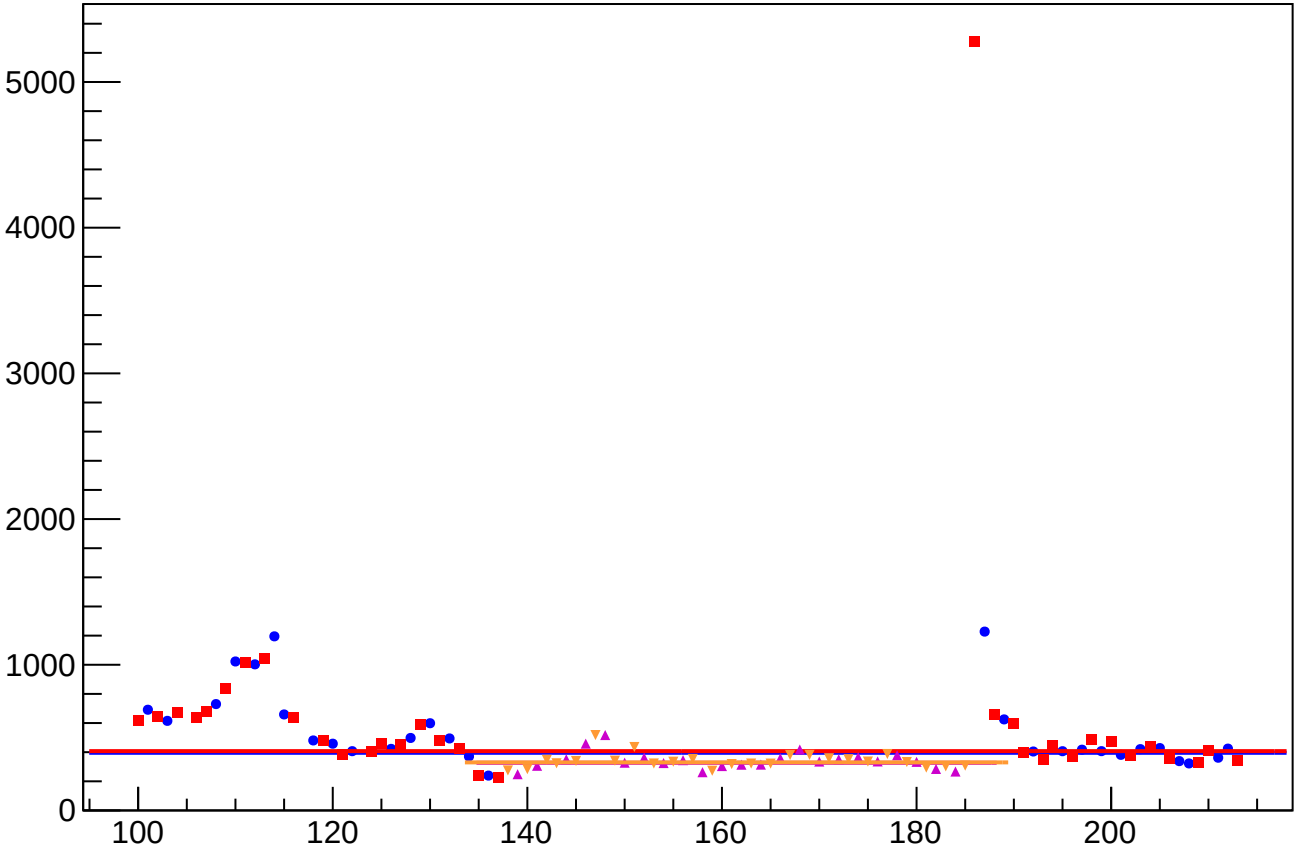
Right: -147.882+/-70.226 χ^2/NDF: 59.4/62

In: -75.684+/-61.156 χ^2/NDF:60.9/51

Out: -49.240+/-60.250 χ^2/NDF:59.9/58

All: -62.265+/-42.920 χ^2/NDF: 120.8/110

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 395.823+/-0.070 χ^2/NDF: 2847457.5/28

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

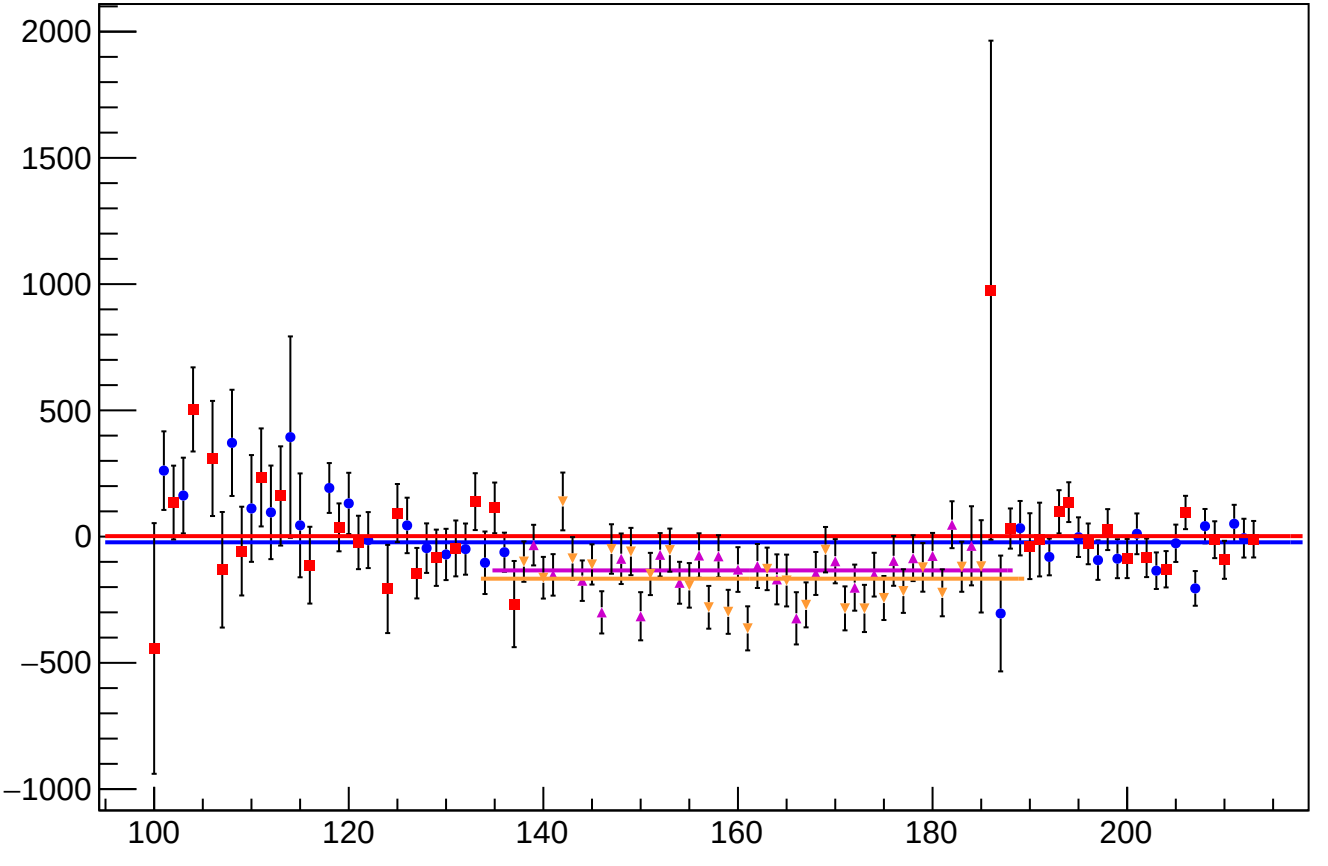
Right: 401.554+/-0.050 χ^2/NDF: 6607868.5/62

In: 352.989+/-0.043 χ^2/NDF:4342914.4/51

Out: 358.502+/-0.043 χ^2/NDF:5172748.2/58

All: 355.787+/-0.030 χ^2/NDF: 9523911.6/110

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -22.548+/-17.836 χ^2/NDF: 33.7/28

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

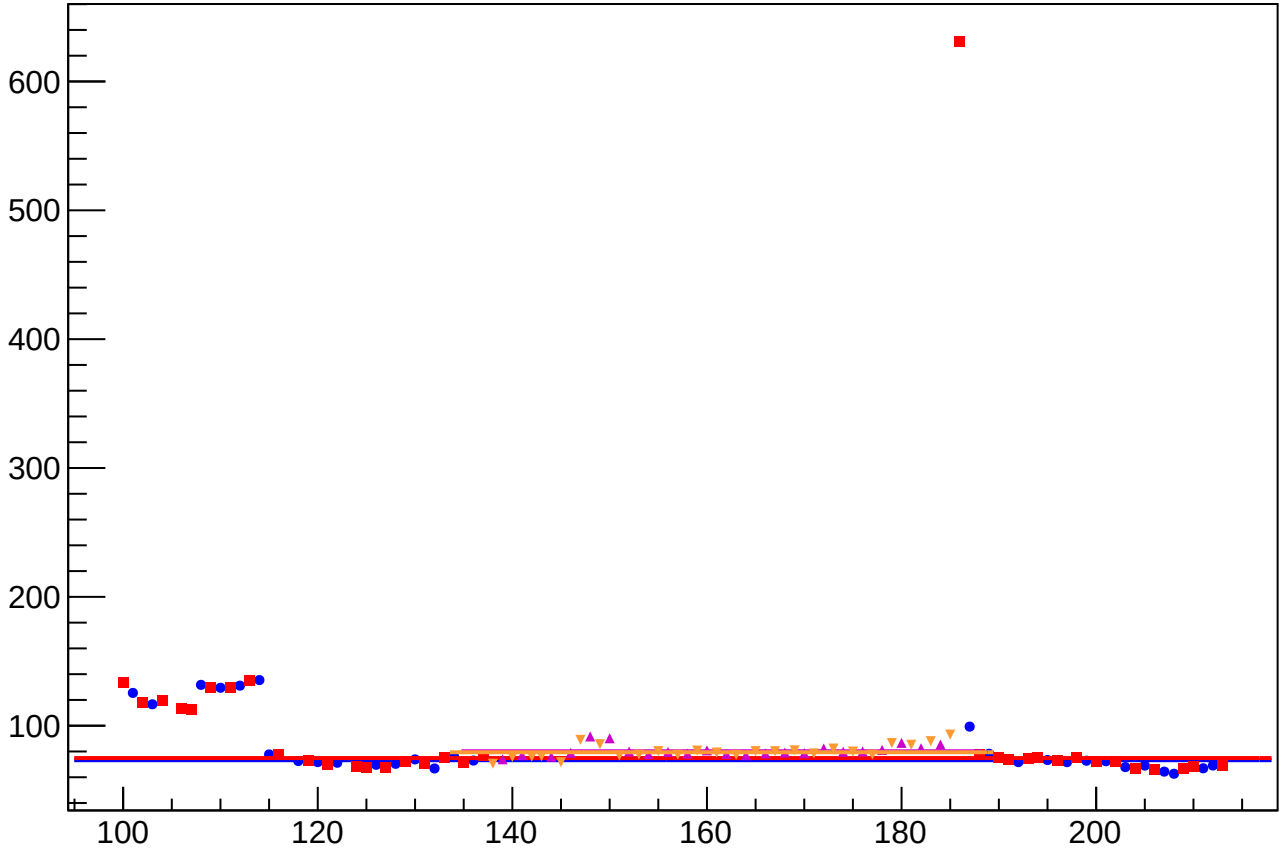
Right: -10.189+/-12.535 χ^2/NDF: 75.8/62

In: -75.403+/-12.925 χ^2/NDF:72.9/51

Out: -80.232+/-12.618 χ^2/NDF:117.4/58

All: -77.876+/-9.029 χ^2/NDF: 190.4/110

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 73.236+/-0.013 χ^2/NDF: 1096924.5/28

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

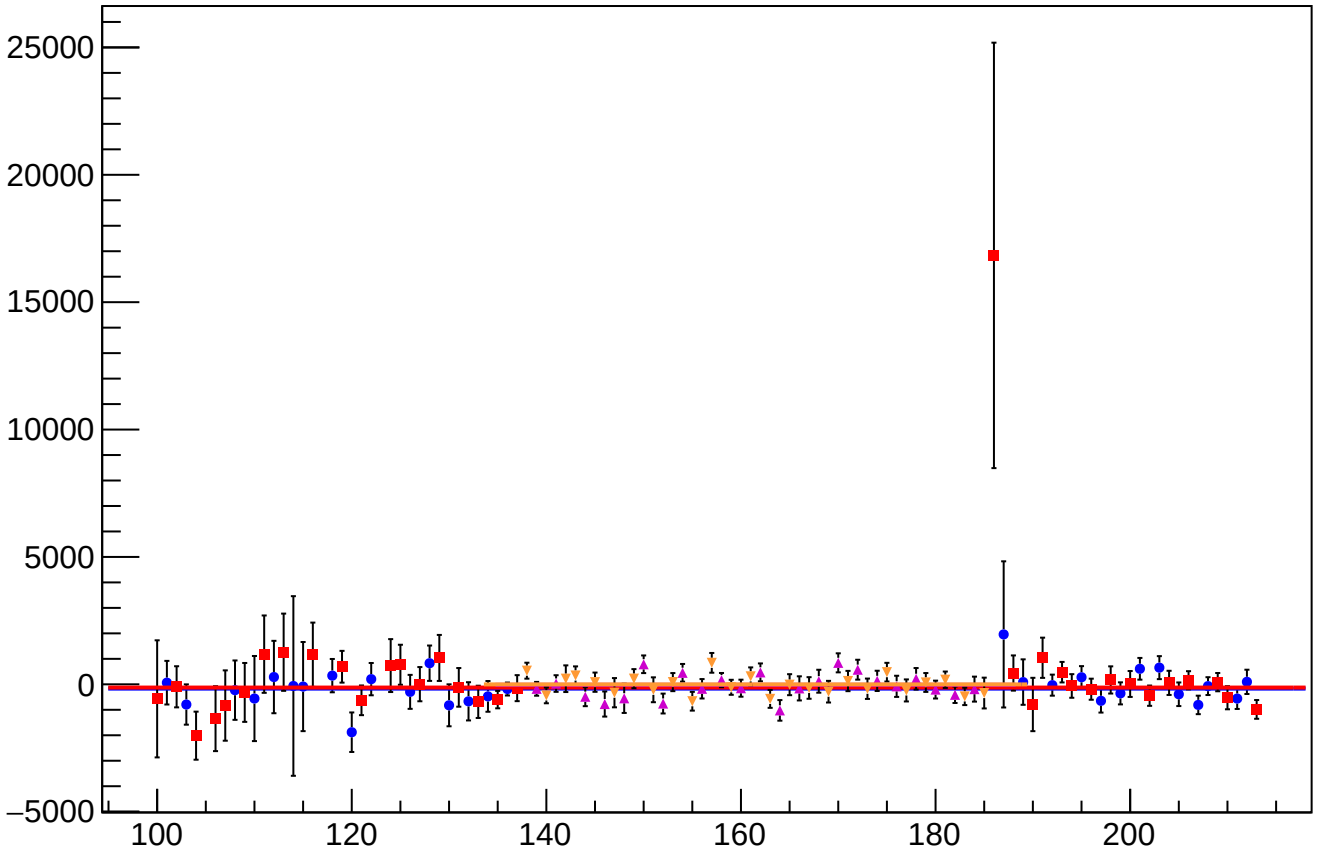
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 74.072+/-0.009 χ^2/NDF: 2893325.7/62

In: 76.524+/-0.009 χ^2/NDF:1331533.9/51

Out: 77.090+/-0.009 χ^2/NDF:1986733.6/58

All: 76.814+/-0.006 χ^2/NDF: 3320234.1/110



Right In: -168.477+/-99.477 χ^2/NDF: 24.5/28

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

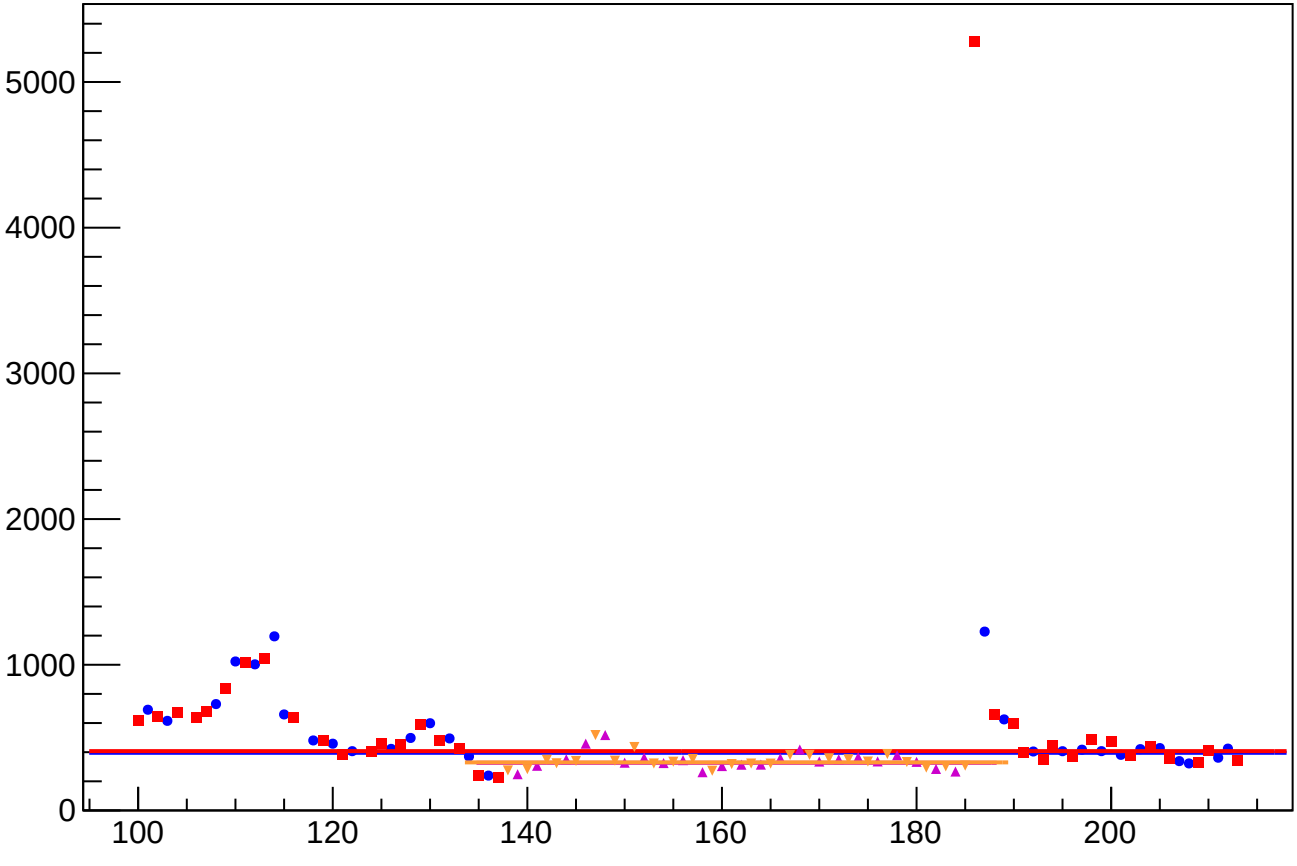
Right: -147.882+/-70.226 χ^2/NDF: 59.4/62

In: -75.684+/-61.156 χ^2/NDF:60.9/51

Out: -49.240+/-60.250 χ^2/NDF:59.9/58

All: -62.265+/-42.920 χ^2/NDF: 120.8/110

asym_sam1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 395.823+/-0.070 χ^2/NDF: 2847457.5/28

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

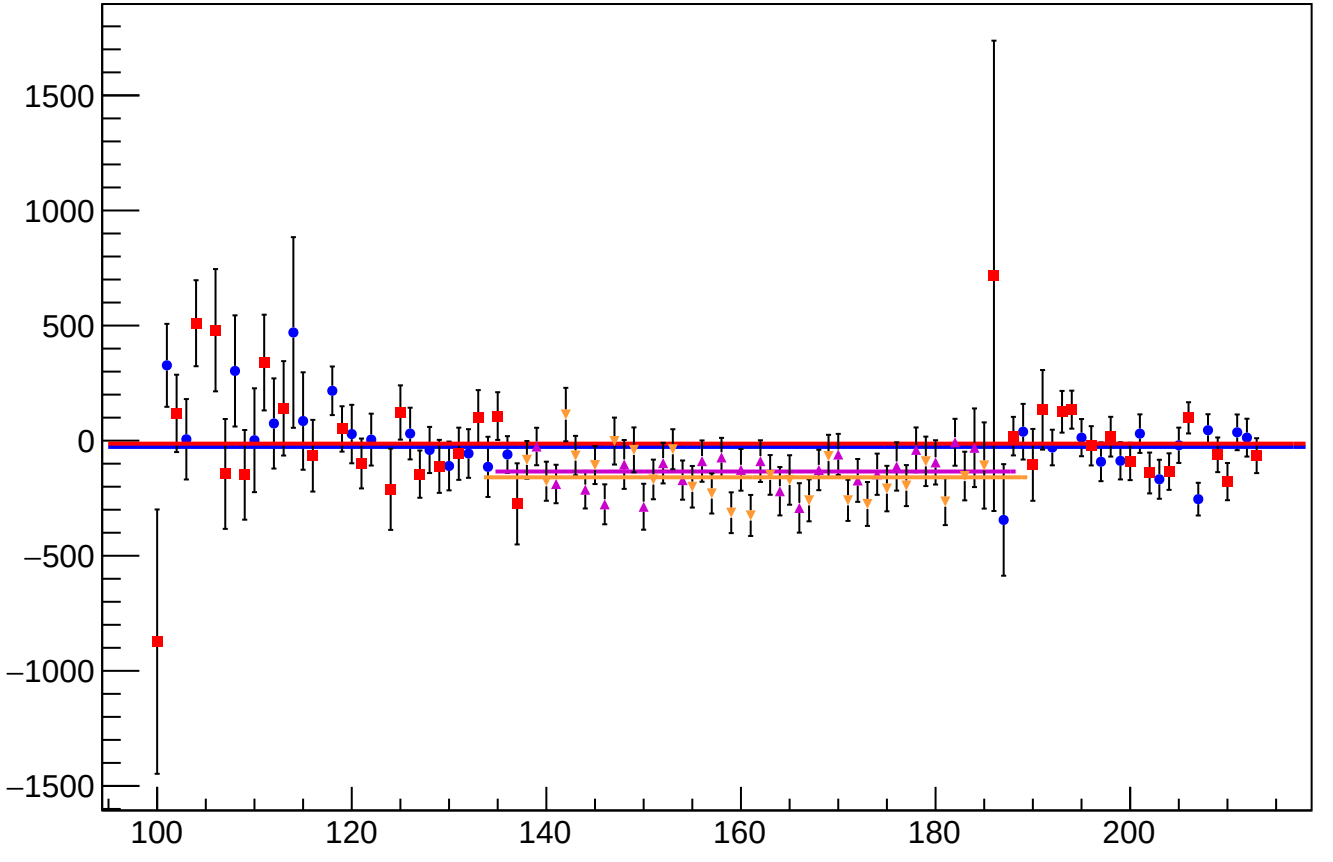
Right: 401.554+/-0.050 χ^2/NDF: 6607868.5/62

In: 352.989+/-0.043 χ^2/NDF:4342914.4/51

Out: 358.502+/-0.043 χ^2/NDF:5172748.2/58

All: 355.787+/-0.030 χ^2/NDF: 9523911.6/110

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -27.118+/-18.802 χ^2/NDF: 33.8/28

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

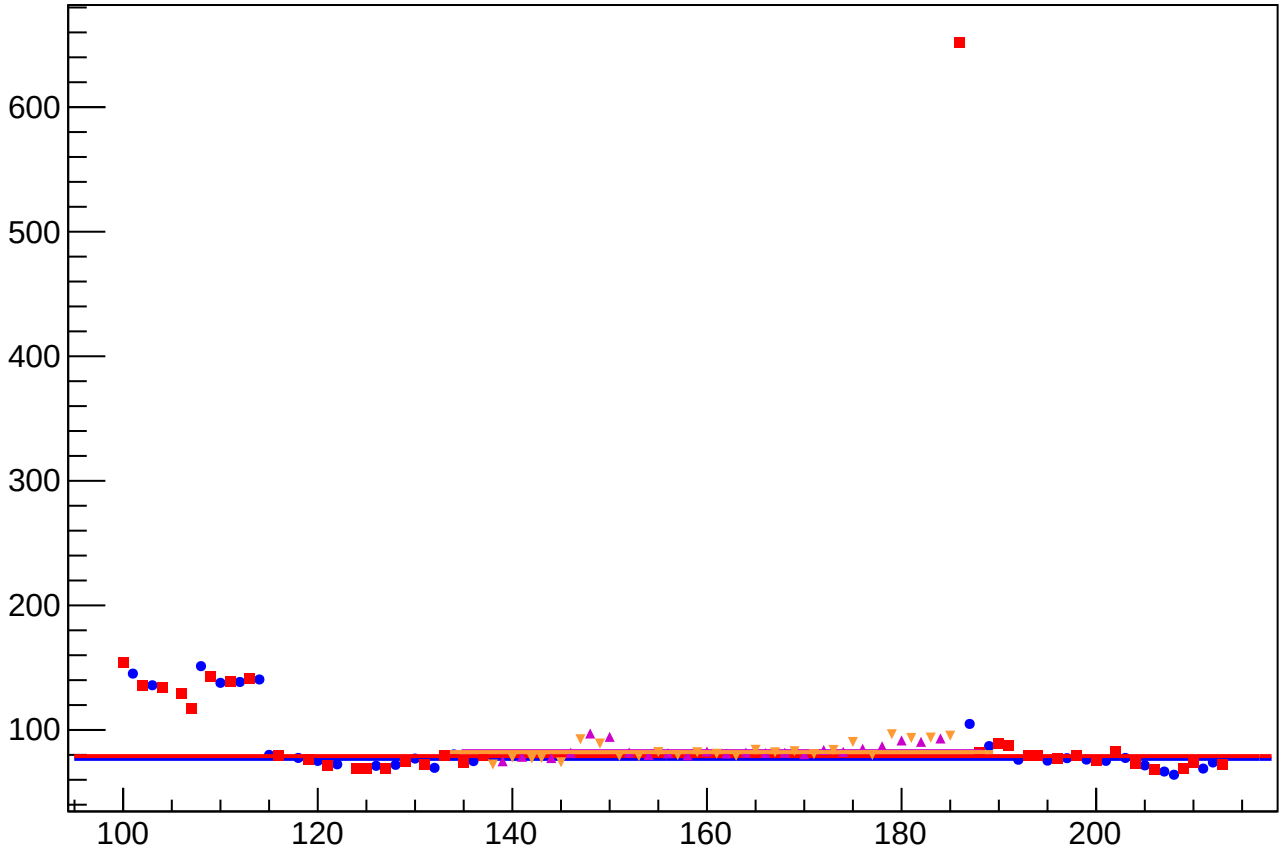
Right: -20.002+/-13.250 χ^2/NDF: 83.7/62

In: -78.778+/-13.515 χ^2/NDF:65.8/51

Out: -85.817+/-13.232 χ^2/NDF:108.3/58

All: -82.372+/-9.455 χ^2/NDF: 174.3/110

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 76.809+/-0.013 χ^2/NDF: 1308116.8/28

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

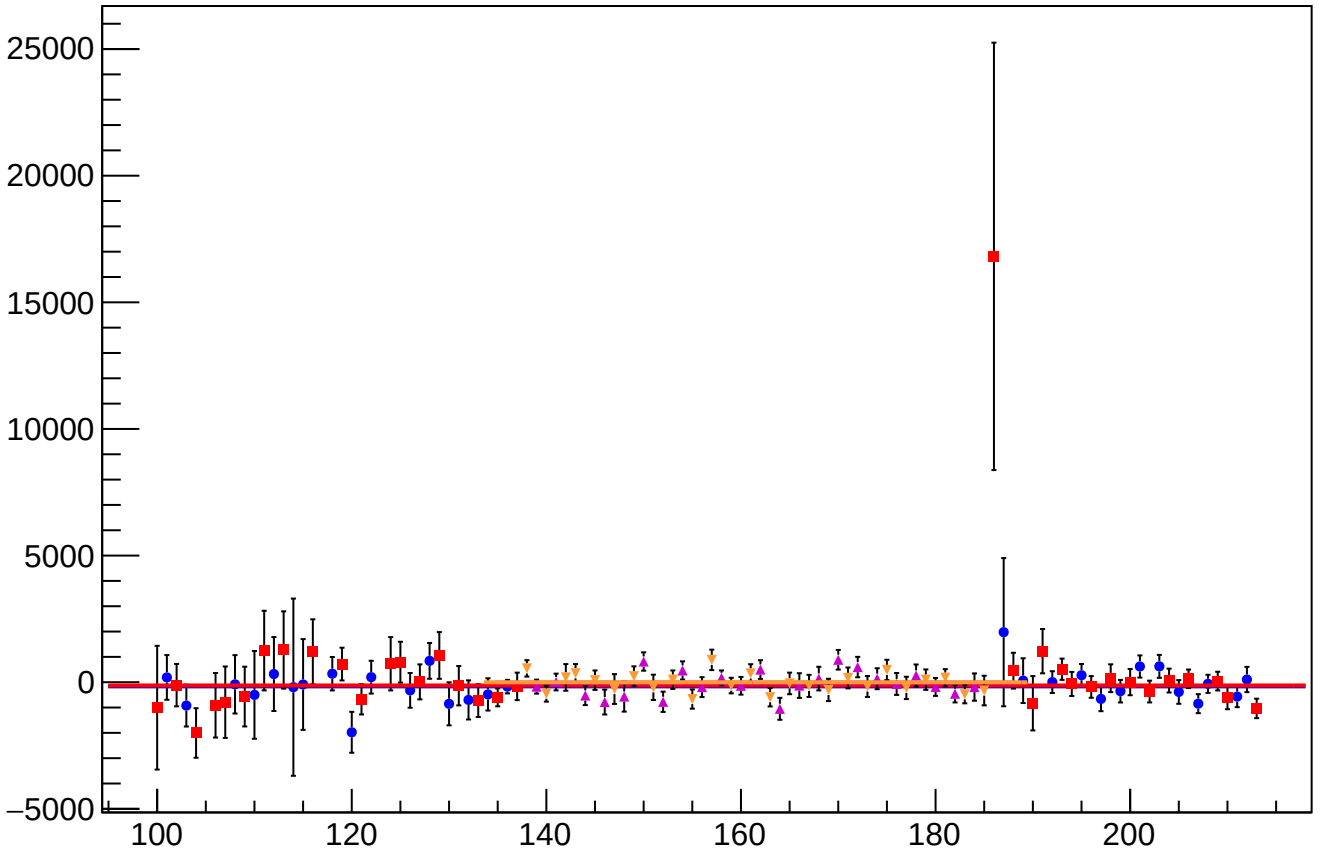
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 77.919+/-0.009 χ^2/NDF: 3286442.8/62

In: 79.797+/-0.010 χ^2/NDF:1558304.3/51

Out: 80.625+/-0.009 χ^2/NDF:2210830.2/58

All: 80.220+/-0.007 χ^2/NDF: 3772963.6/110



Right In: -164.465+/-102.590 χ^2/NDF: 24.6/28

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

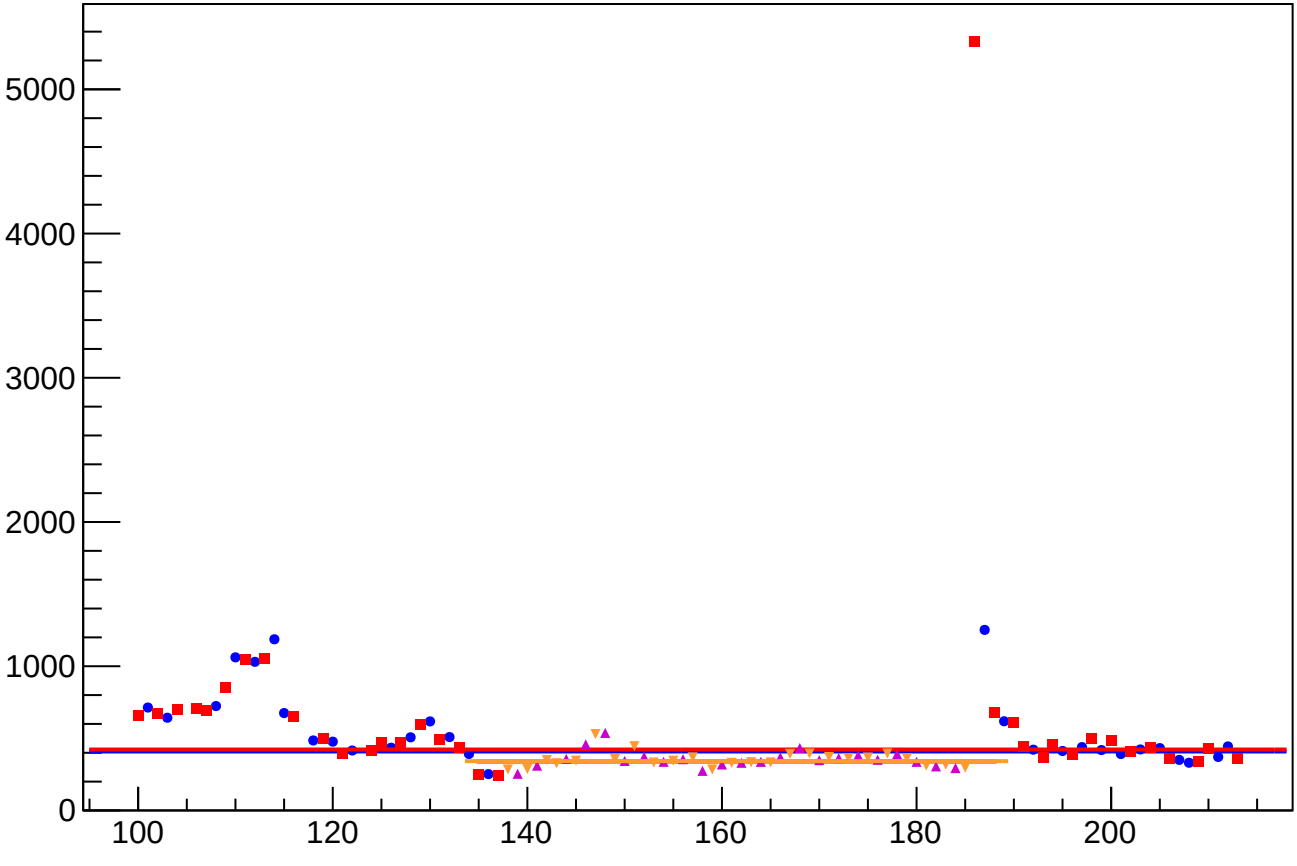
Right: -146.401+/-72.556 χ^2/NDF: 58.7/62

In: -72.820+/-63.286 χ^2/NDF:60.8/51

Out: -49.377+/-62.393 χ^2/NDF:58.5/58

All: -60.932+/-44.431 χ^2/NDF: 119.3/110

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 409.046+/-0.073 χ^2/NDF: 2732378.5/28

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

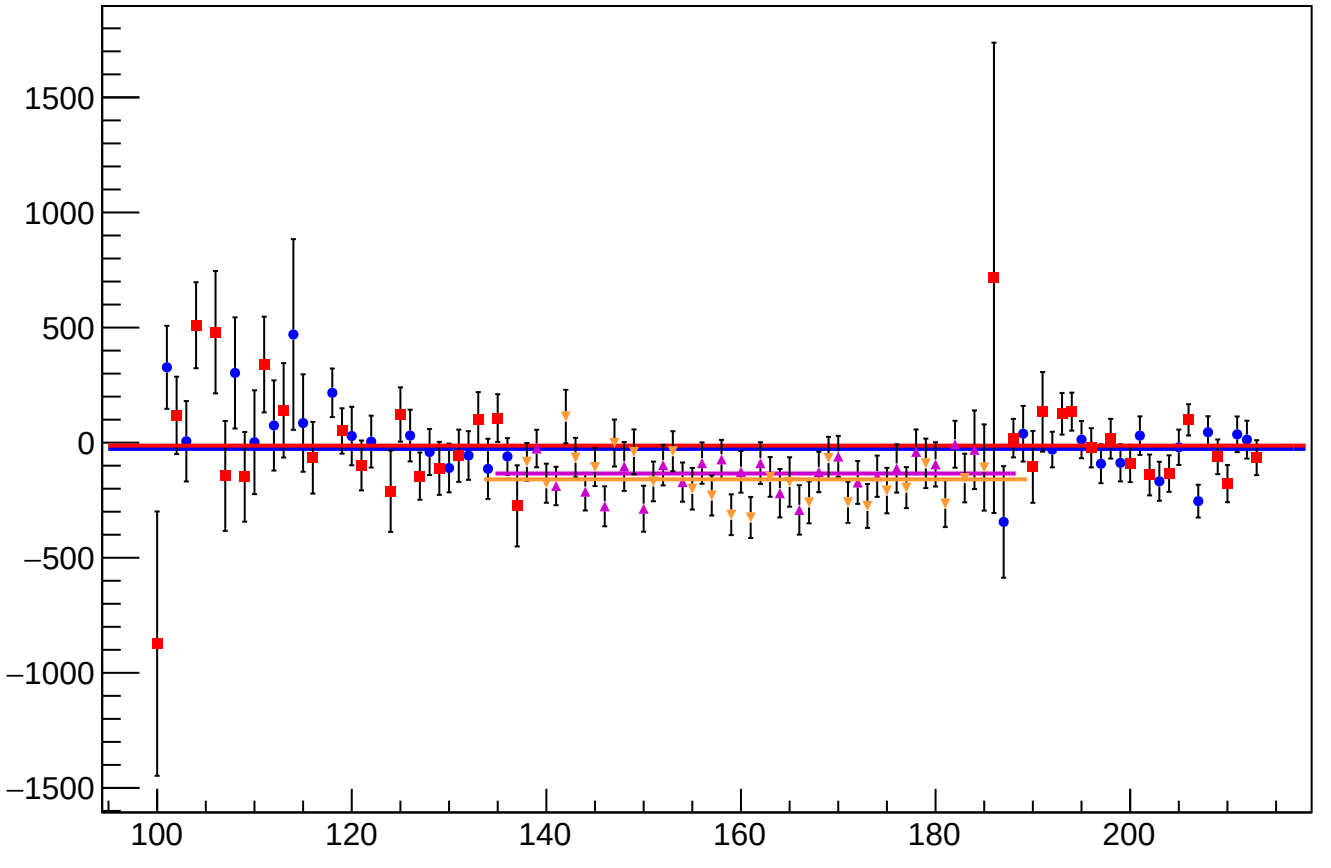
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 415.809+/-0.051 χ^2/NDF: 6425675.2/62

In: 365.922+/-0.045 χ^2/NDF:4149578.8/51

Out: 371.729+/-0.044 χ^2/NDF:5108626.2/58

All: 368.867+/-0.031 χ^2/NDF: 9266742.0/110



Right In: -27.117+/-18.802 χ^2/NDF: 33.8/28

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

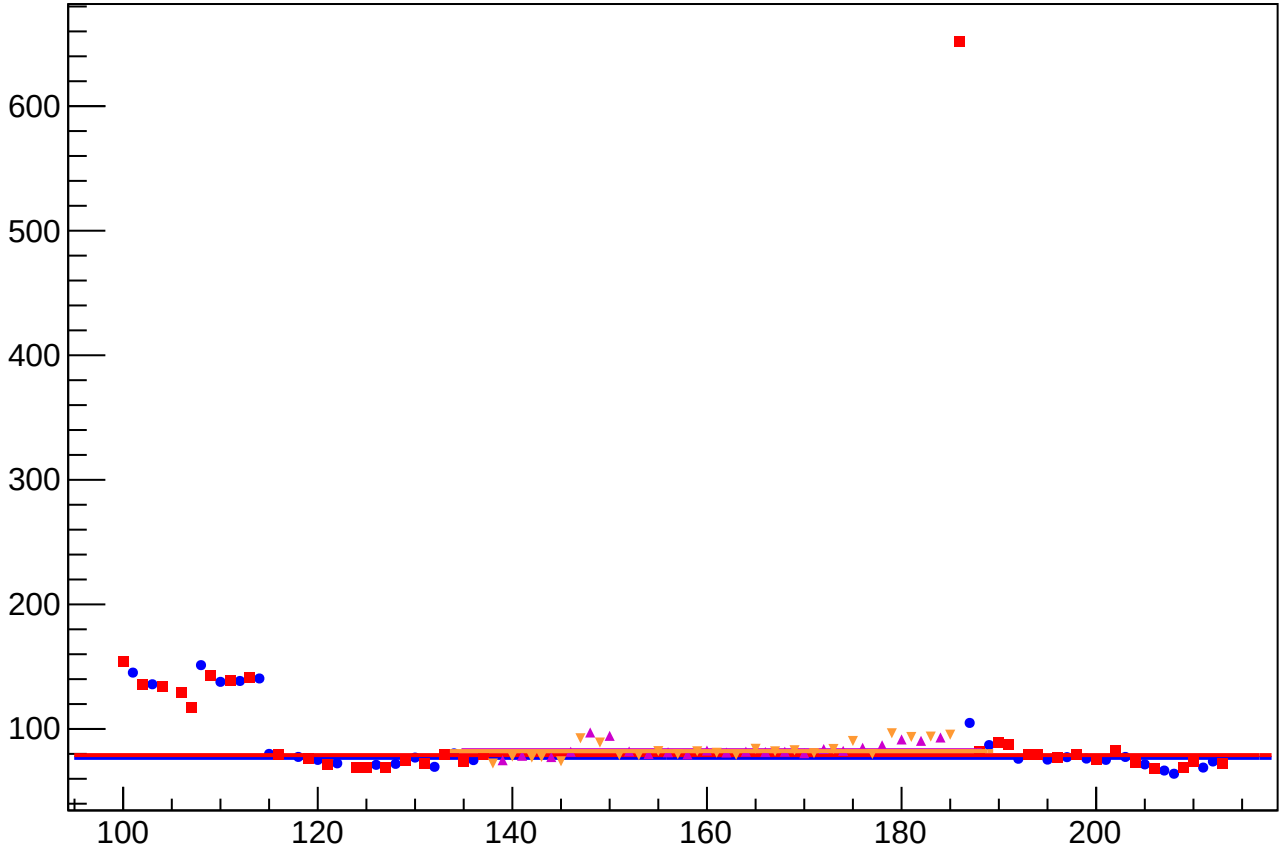
Right: -20.002+/-13.250 χ^2/NDF: 83.7/62

In: -78.777+/-13.515 χ^2/NDF:65.8/51

Out: -85.817+/-13.232 χ^2/NDF:108.3/58

All: -82.371+/-9.455 χ^2/NDF: 174.3/110

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 76.808+/-0.013 χ^2/NDF: 1308118.2/28

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

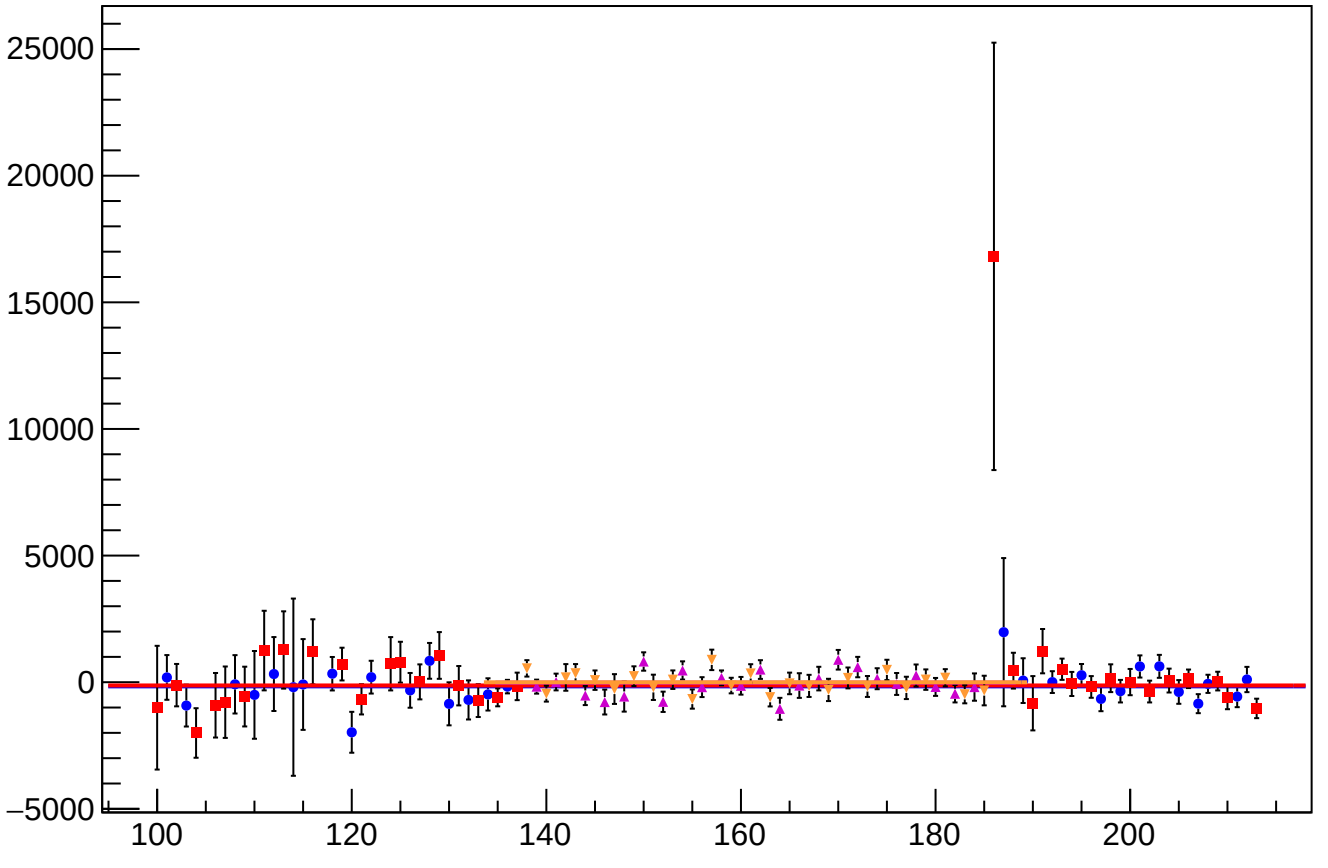
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 77.919+/-0.009 χ^2/NDF: 3286444.2/62

In: 79.797+/-0.010 χ^2/NDF:1558307.9/51

Out: 80.625+/-0.009 χ^2/NDF:2210833.2/58

All: 80.220+/-0.007 χ^2/NDF: 3772970.2/110



Right In: -164.464+/-102.590 χ^2/NDF: 24.6/28

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

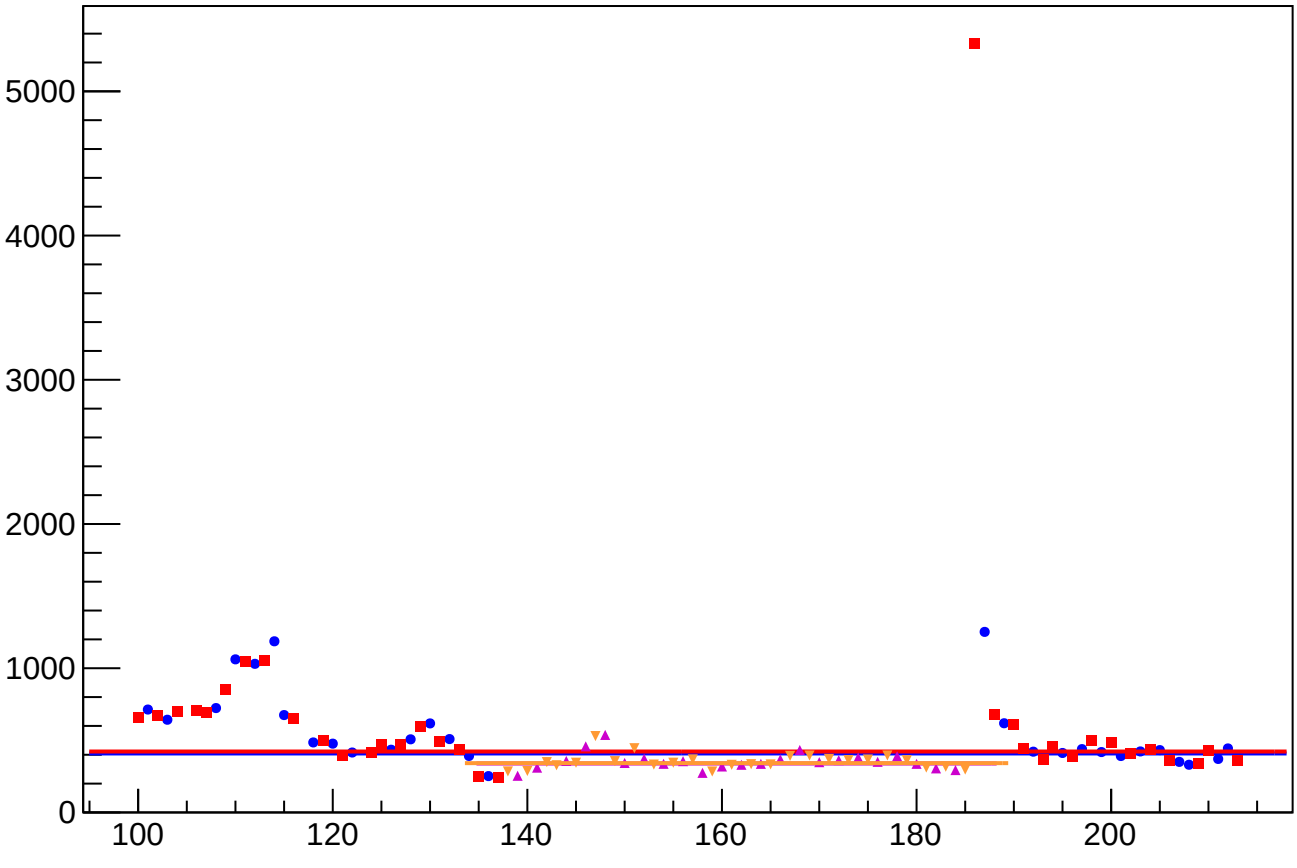
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -146.400+/-72.556 χ^2/NDF: 58.7/62

In: -72.819+/-63.286 χ^2/NDF:60.8/51

Out: -49.377+/-62.393 χ^2/NDF:58.5/58

All: -60.932+/-44.431 χ^2/NDF: 119.3/110



Right In: 409.045+/-0.073 χ^2/NDF: 2732383.7/28

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

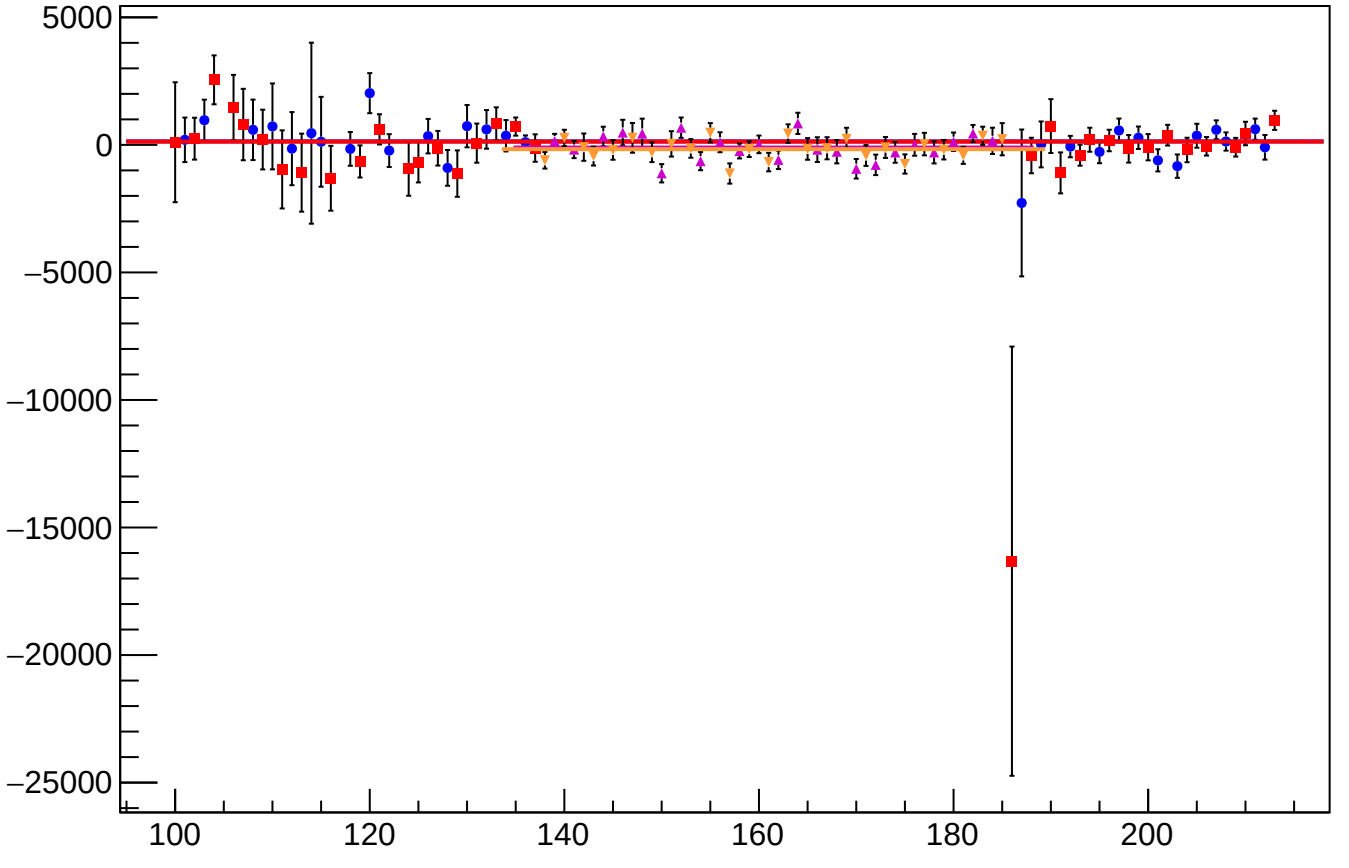
Right: 415.808+/-0.051 χ^2/NDF: 6425686.7/62

In: 365.922+/-0.045 χ^2/NDF:4149576.0/51

Out: 371.728+/-0.044 χ^2/NDF:5108619.6/58

All: 368.866+/-0.031 χ^2/NDF: 9266732.7/110

asym_sam1_mean vs Slug, Sign Corrected



Right In: 136.803+/-101.515 χ^2/NDF: 24.5/28

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

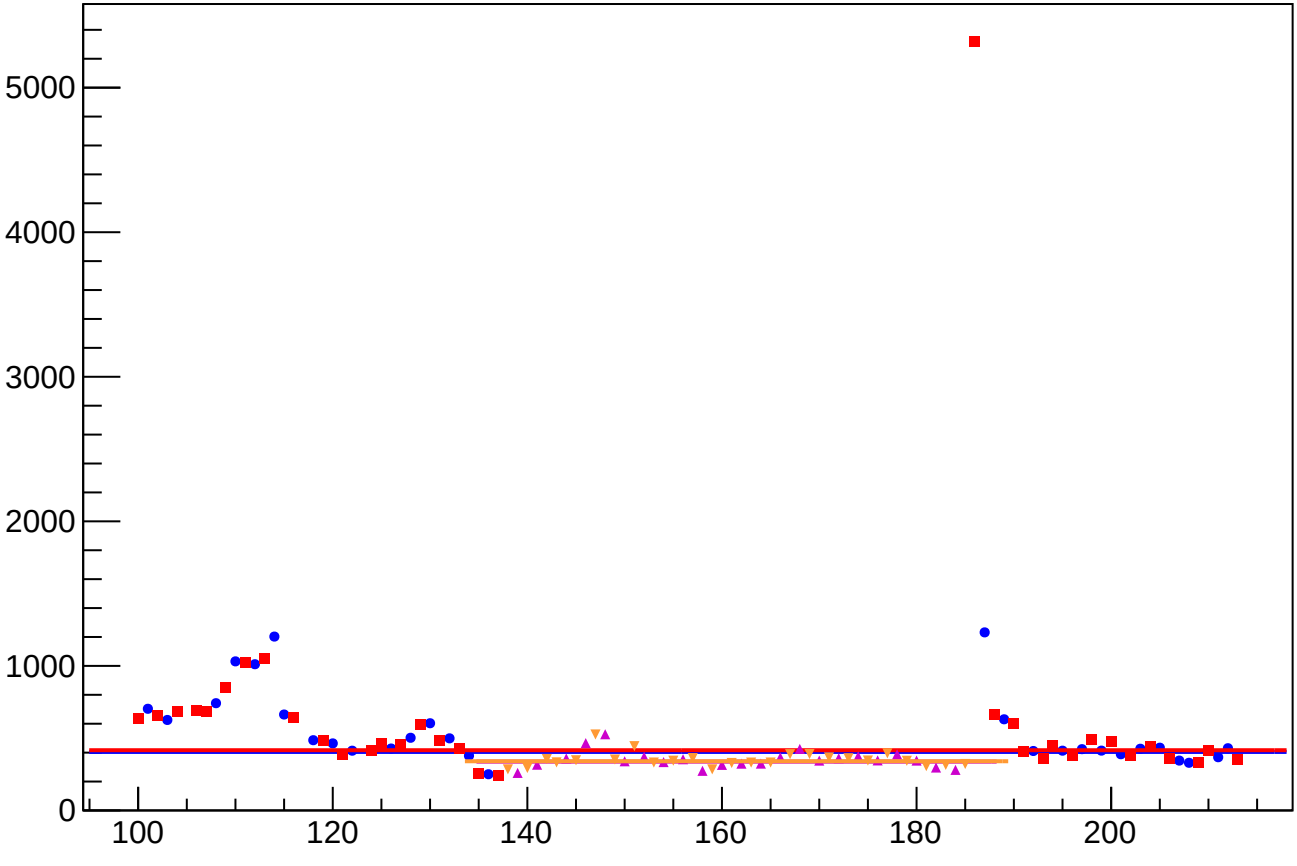
Right: 132.732+/-71.644 χ^2/NDF: 61.2/62

In: -11.762+/-62.832 χ^2/NDF:65.5/51

Out: -56.623+/-61.851 χ^2/NDF:67.7/58

All: -34.545+/-44.078 χ^2/NDF: 133.4/110

asym_sam1_rms vs Slug, Sign Corrected



Right In: 404.916+/-0.072 χ^2/NDF: 2706028.6/28

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

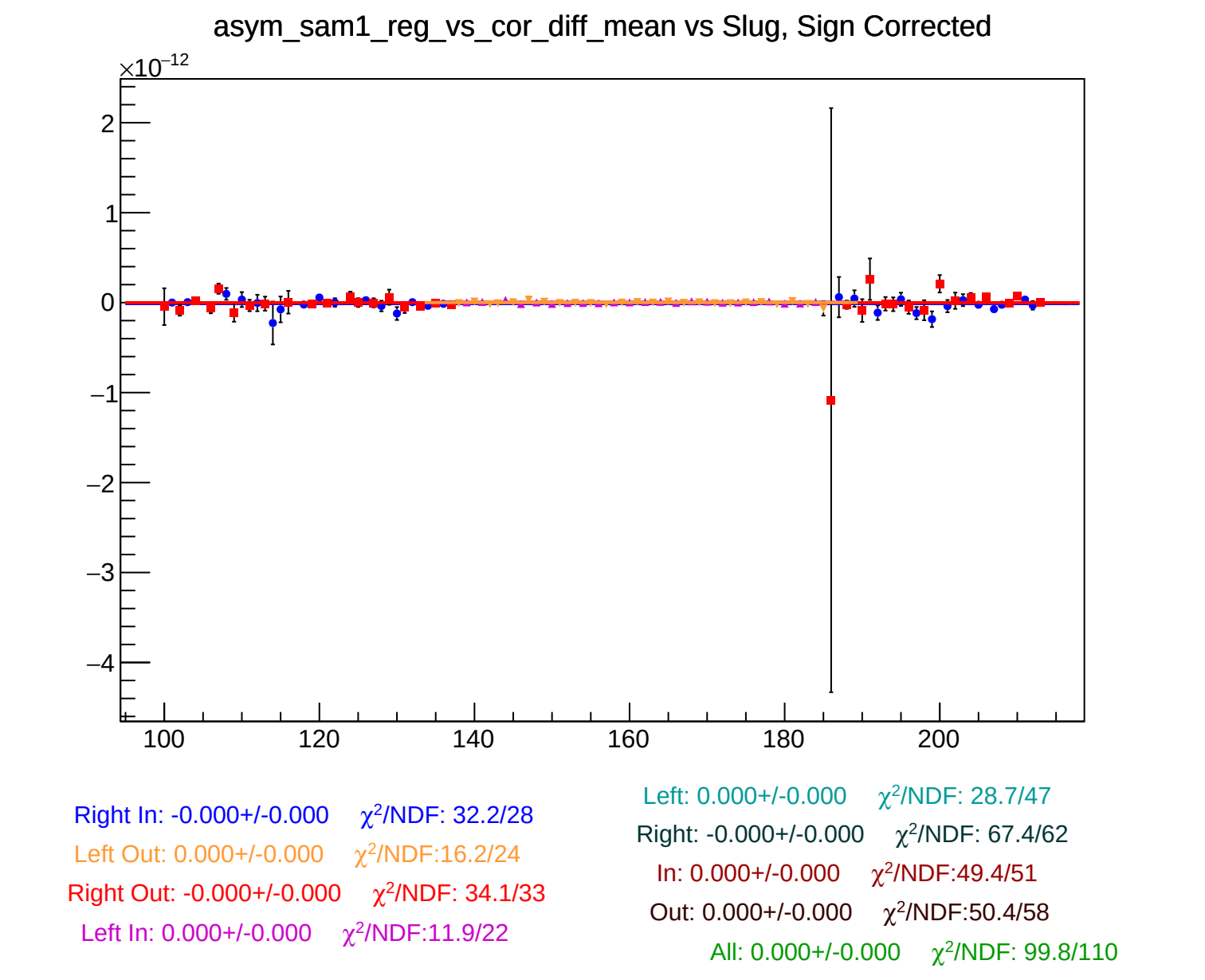
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

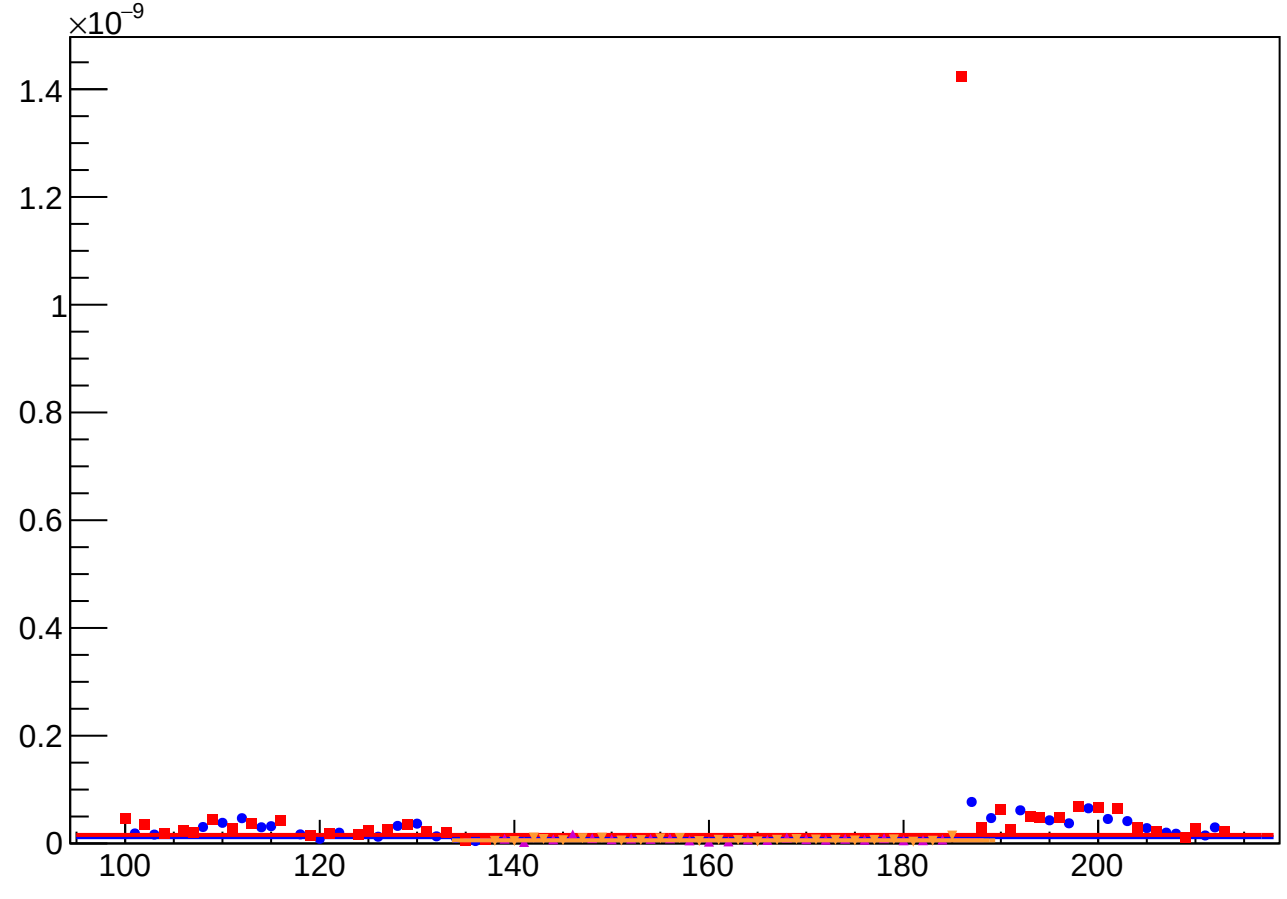
Right: 410.822+/-0.051 χ^2/NDF: 6347644.3/62

In: 363.486+/-0.044 χ^2/NDF:4066688.5/51

Out: 368.931+/-0.044 χ^2/NDF:4944776.8/58

All: 366.251+/-0.031 χ^2/NDF: 9019094.4/110


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: 32.2/28
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: 67.4/62
In: 0.000+/-0.000 χ²/NDF:49.4/51
Out: 0.000+/-0.000 χ²/NDF:50.4/58
All: 0.000+/-0.000 χ²/NDF: 99.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 7680179.0/28

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

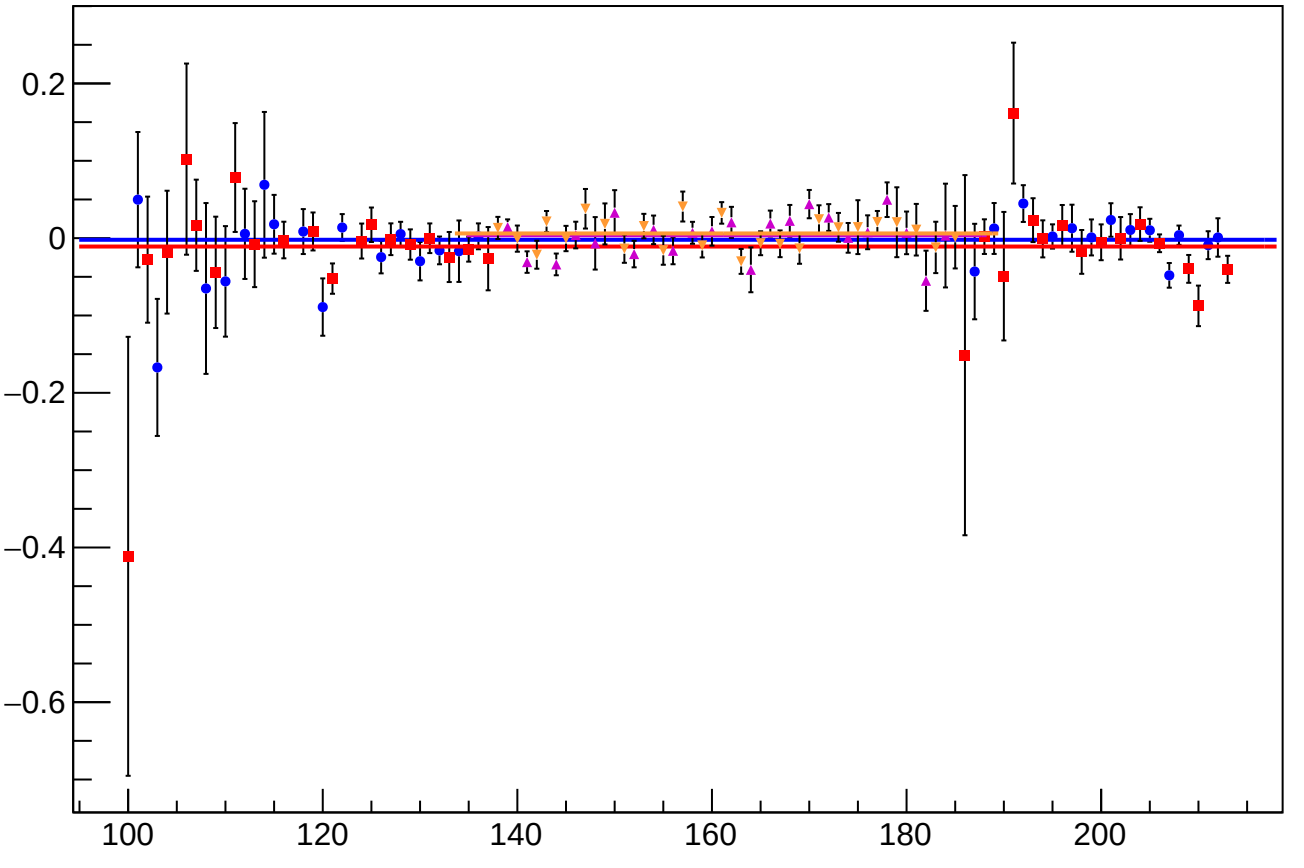
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 15521452.8/62

In: 0.000+/-0.000 χ^2/NDF:11206134.0/51

Out: 0.000+/-0.000 χ^2/NDF:12479373.2/58

All: 0.000+/-0.000 χ^2/NDF: 23706311.4/110



Right In: -0.002+/-0.004 χ^2/NDF: 31.5/28

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

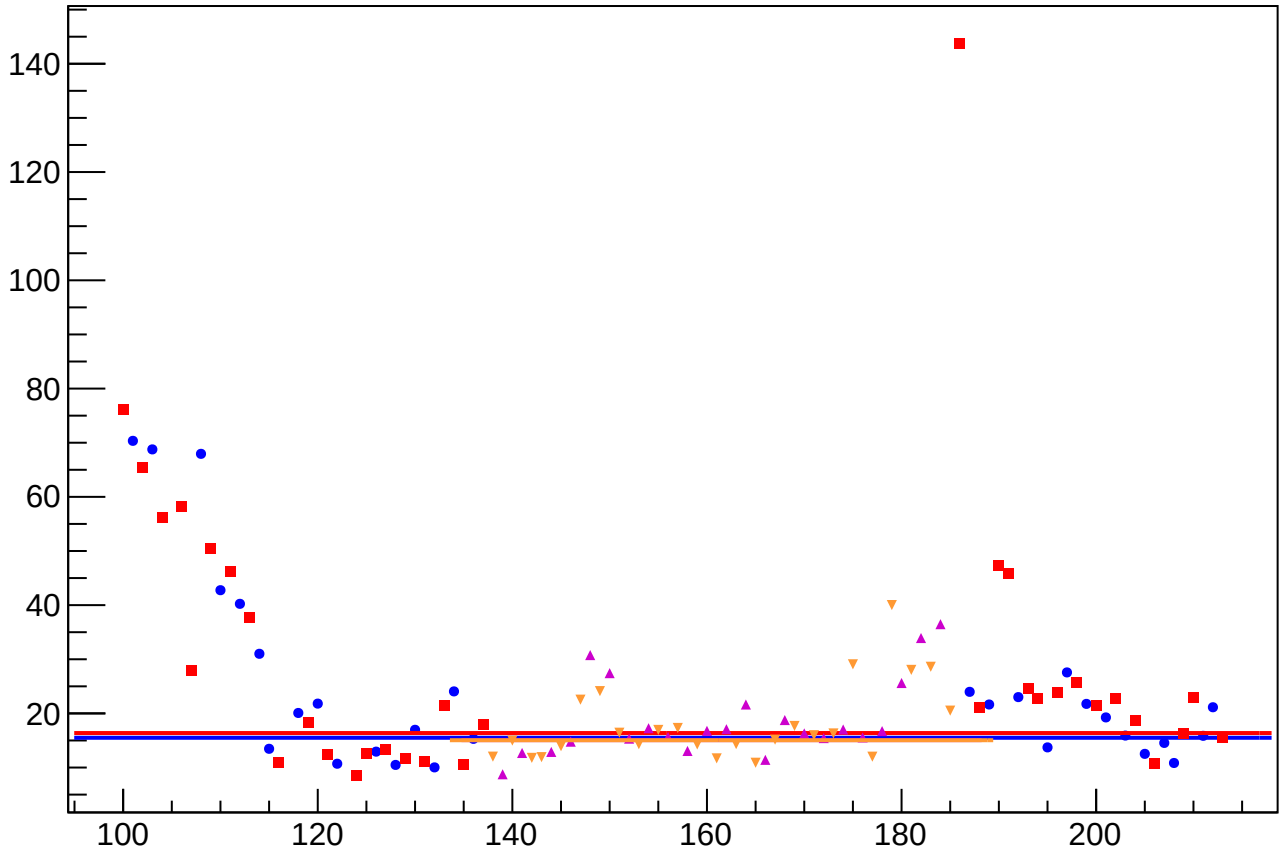
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.006+/-0.003 χ^2/NDF: 69.6/62

In: 0.001+/-0.003 χ^2/NDF:69.7/51

Out: -0.001+/-0.003 χ^2/NDF:71.6/58

All: 0.000+/-0.002 χ^2/NDF: 141.5/110



Right In: 15.501+/-0.003 χ^2/NDF: 4772283.2/28

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

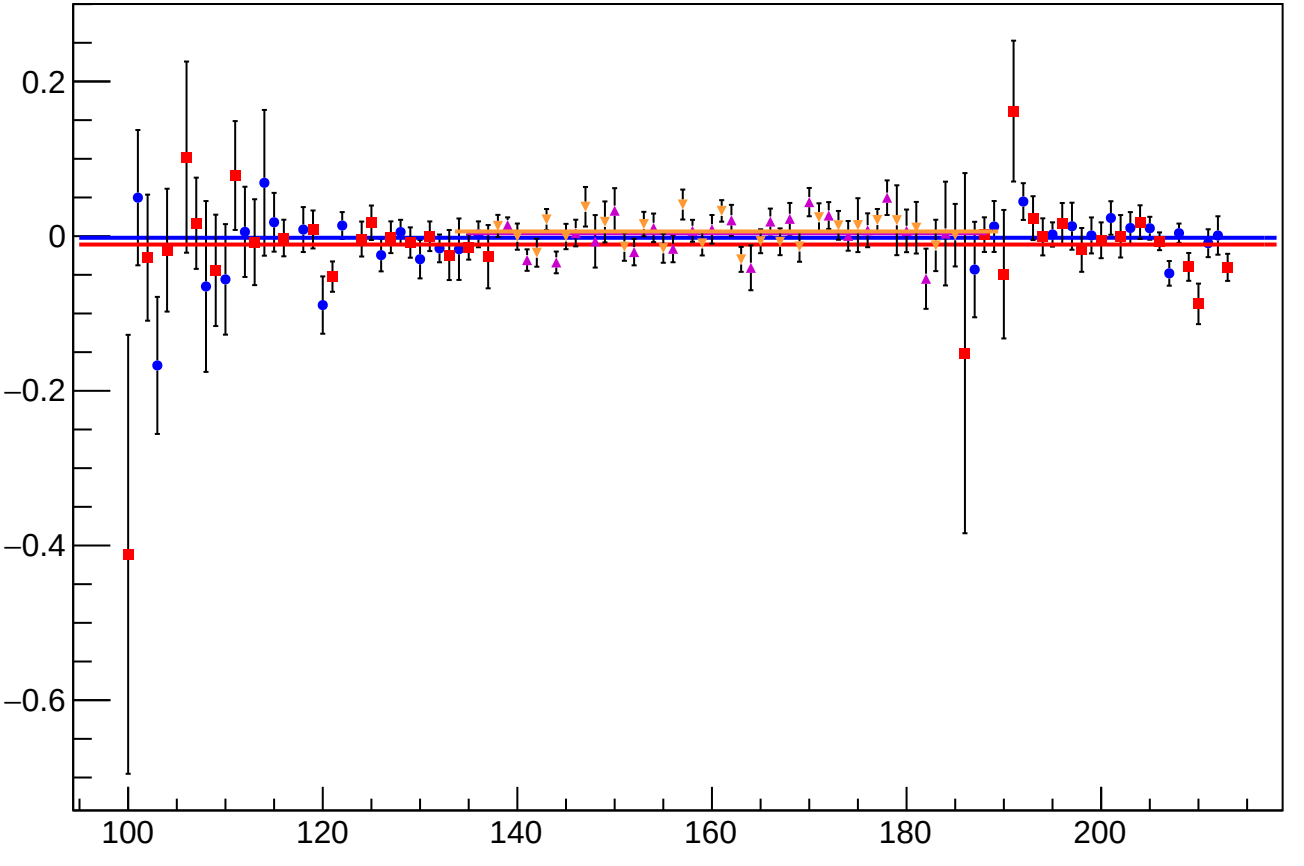
Right: 15.925+/-0.002 χ^2/NDF: 11365204.2/62

In: 15.264+/-0.002 χ^2/NDF:7850432.3/51

Out: 15.601+/-0.002 χ^2/NDF:9418222.7/58

All: 15.434+/-0.001 χ^2/NDF: 17282982.0/110

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.004 χ^2/NDF: 31.5/28

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

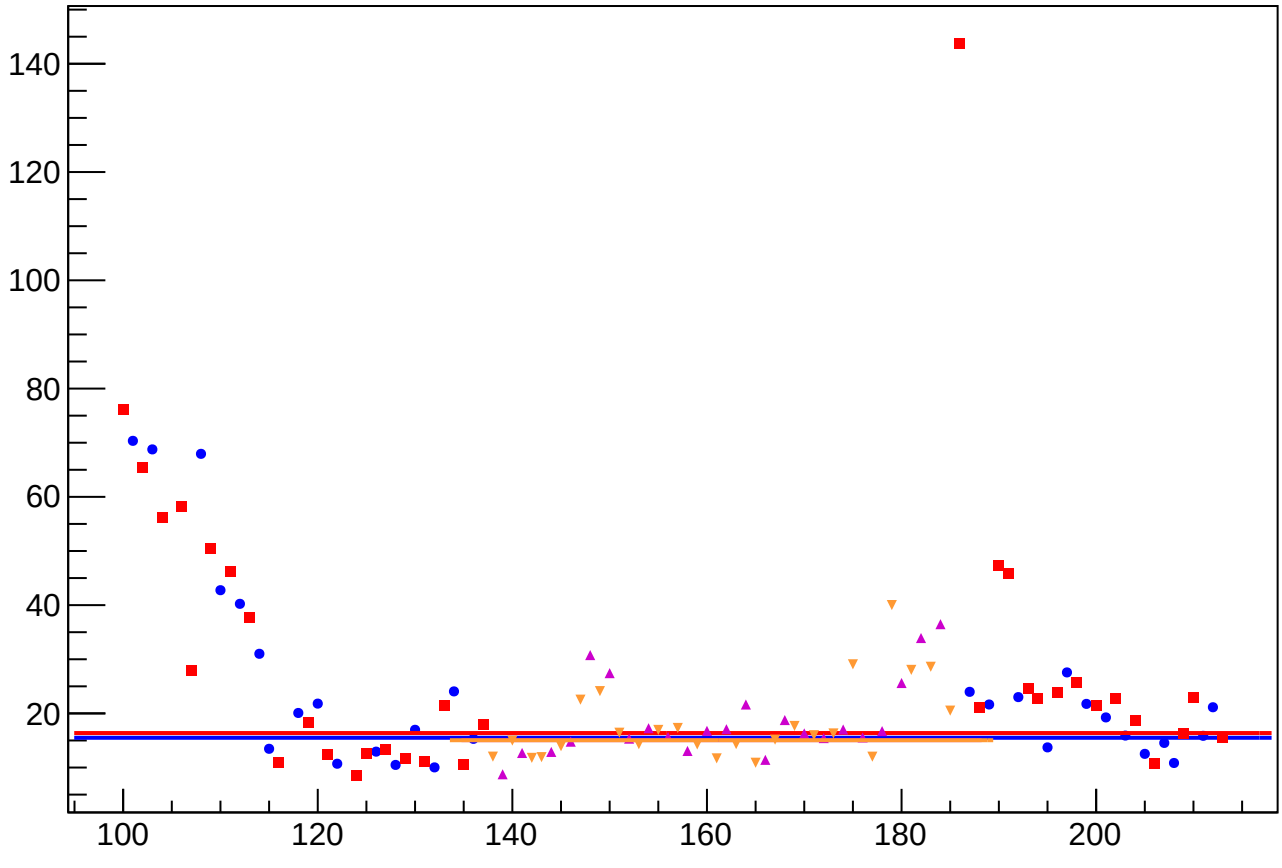
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.006+/-0.003 χ^2/NDF: 69.6/62

In: 0.001+/-0.003 χ^2/NDF:69.7/51

Out: -0.001+/-0.003 χ^2/NDF:71.6/58

All: 0.000+/-0.002 χ^2/NDF: 141.5/110



Right In: 15.501+/-0.003 χ^2/NDF: 4772283.2/28

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

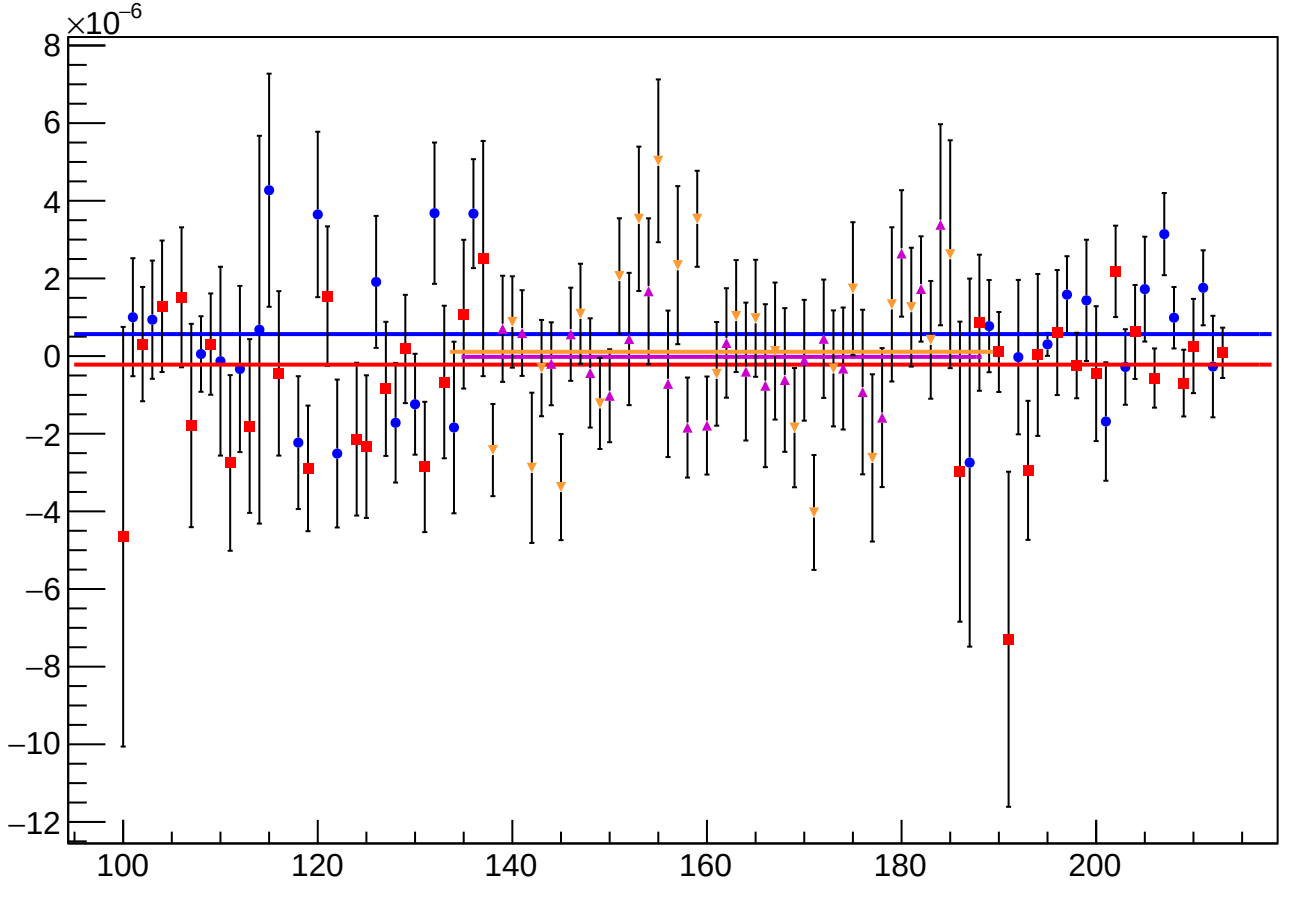
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.925+/-0.002 χ^2/NDF: 11365204.2/62

In: 15.264+/-0.002 χ^2/NDF:7850432.3/51

Out: 15.601+/-0.002 χ^2/NDF:9418222.7/58

All: 15.434+/-0.001 χ^2/NDF: 17282982.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 37.9/28

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

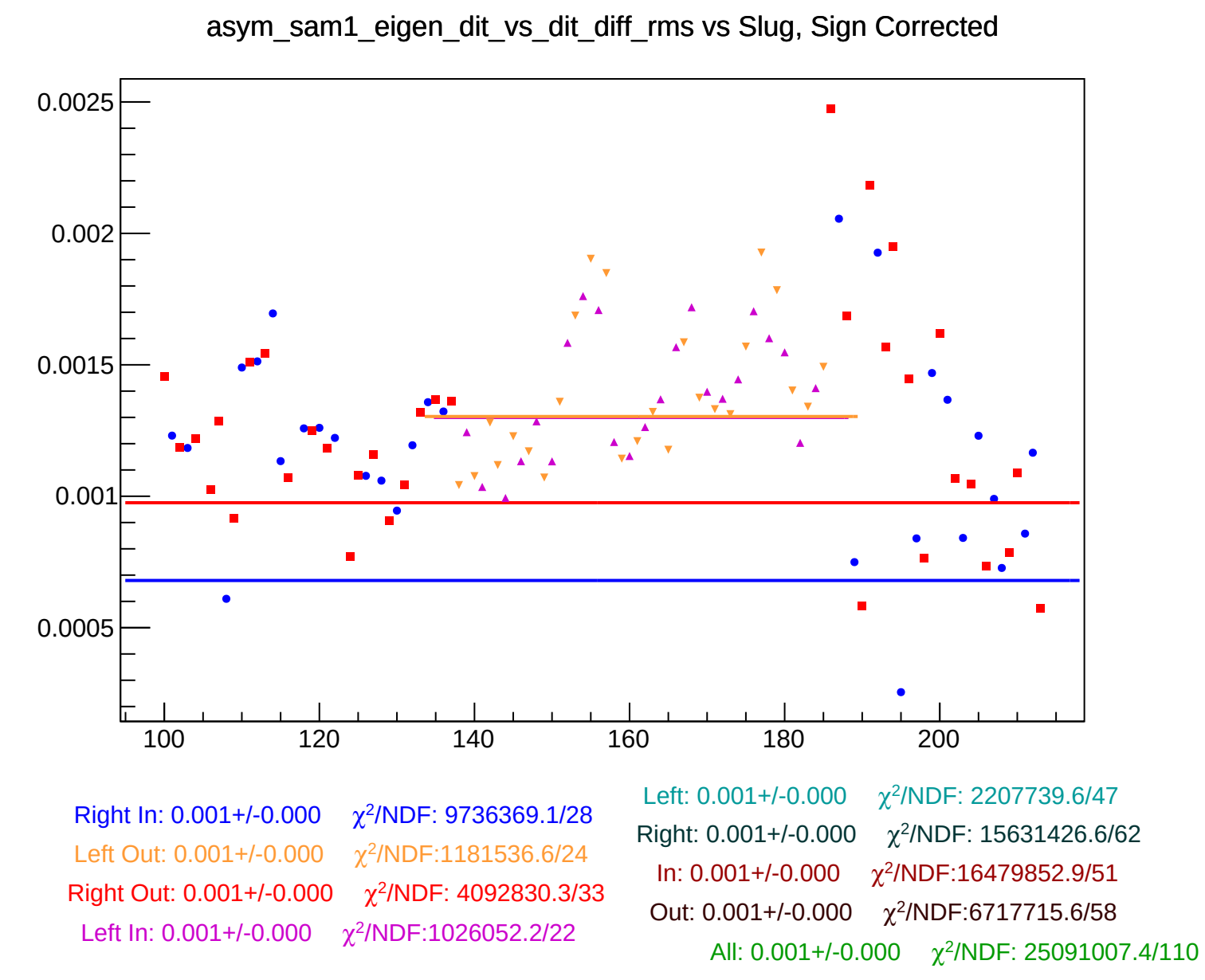
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

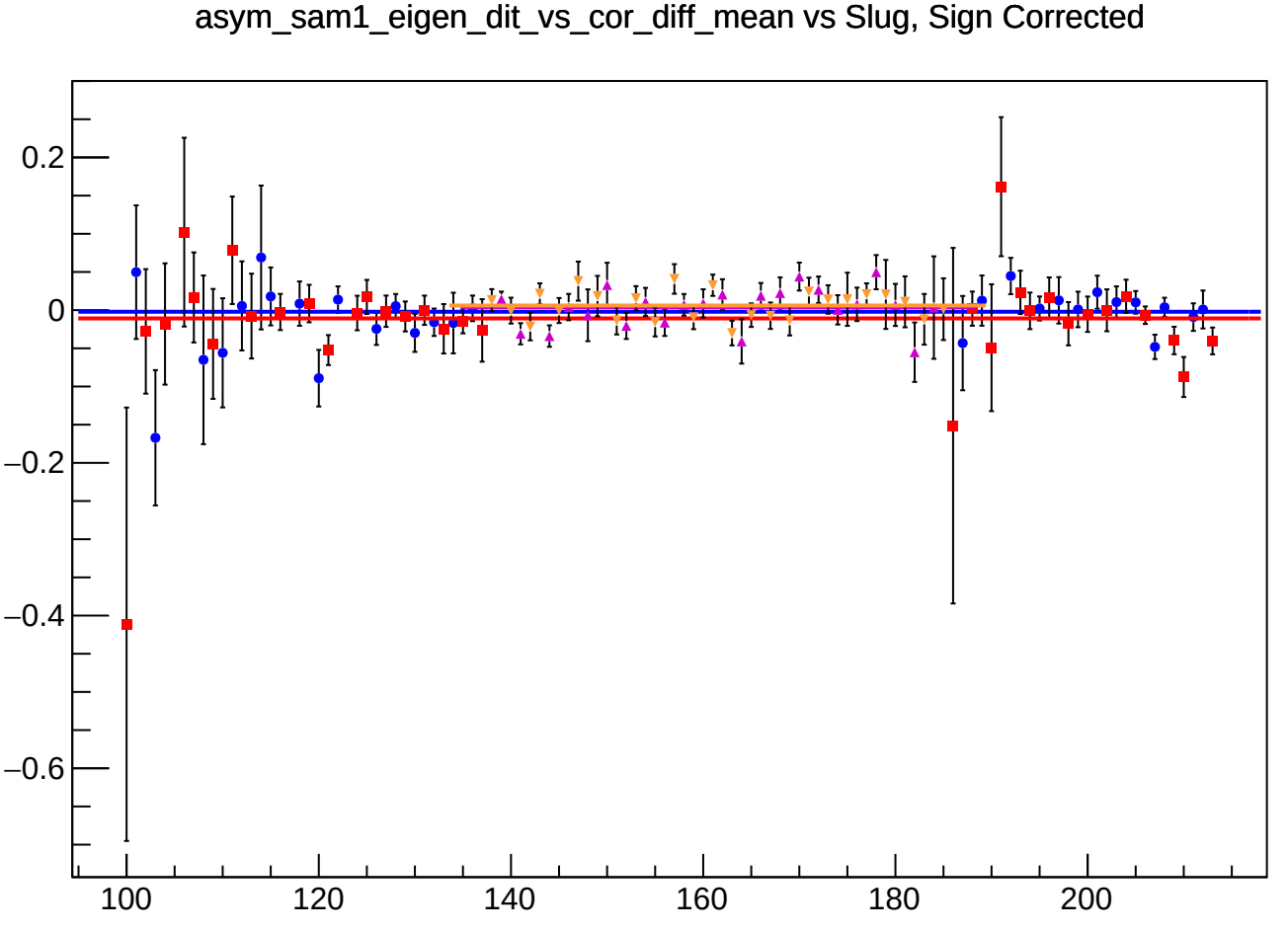
Right: 0.000+/-0.000 χ^2/NDF: 70.9/62

In: 0.000+/-0.000 χ^2/NDF:54.6/51

Out: -0.000+/-0.000 χ^2/NDF:77.3/58

All: 0.000+/-0.000 χ^2/NDF: 135.7/110


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: 9736369.1/28
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: 15631426.6/62
In: 0.001+/-0.000 χ²/NDF:16479852.9/51
Out: 0.001+/-0.000 χ²/NDF:6717715.6/58
All: 0.001+/-0.000 χ²/NDF: 25091007.4/110



Right In: -0.002+/-0.004 χ^2/NDF: 31.5/28

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

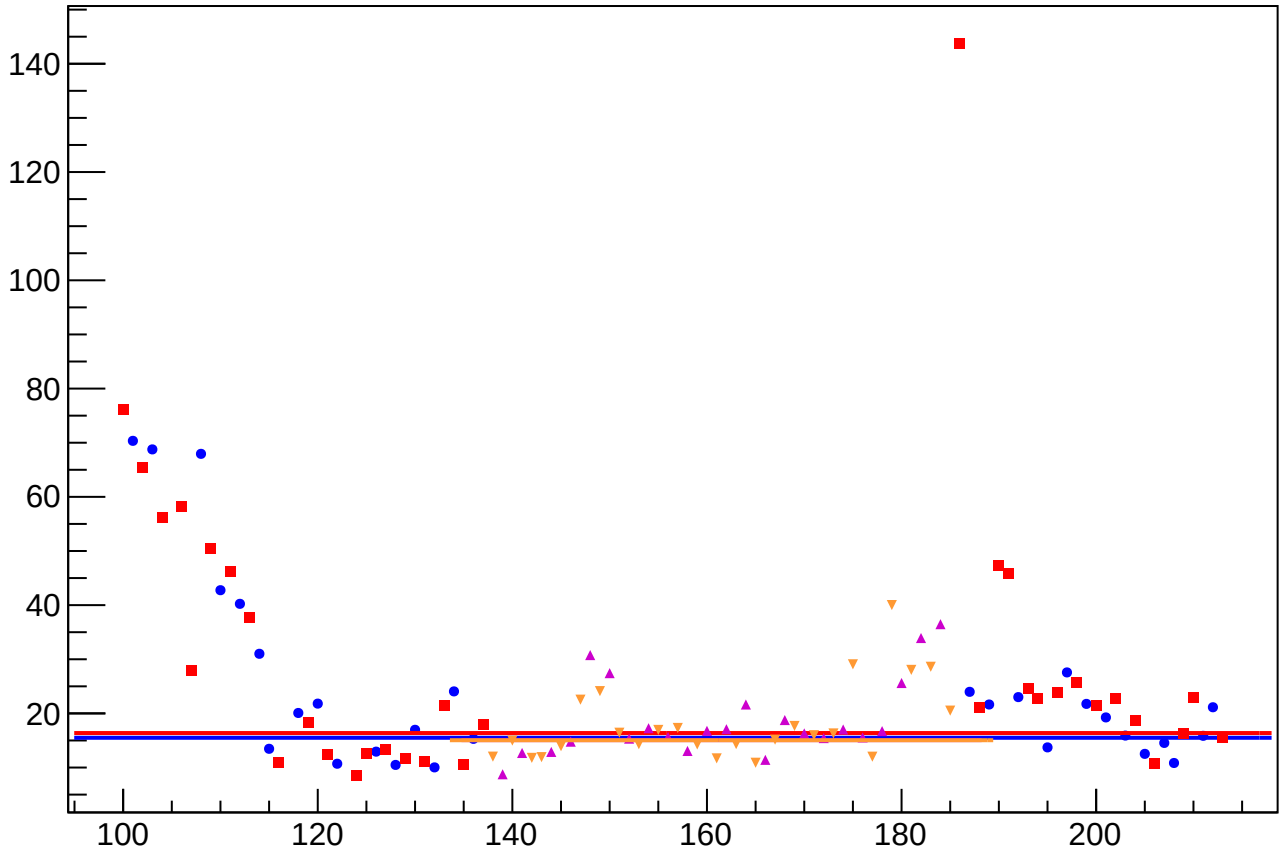
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.006+/-0.003 χ^2/NDF: 69.6/62

In: 0.001+/-0.003 χ^2/NDF:69.7/51

Out: -0.001+/-0.003 χ^2/NDF:71.6/58

All: 0.000+/-0.002 χ^2/NDF: 141.5/110



Right In: 15.501+/-0.003 χ^2/NDF: 4772283.6/28

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

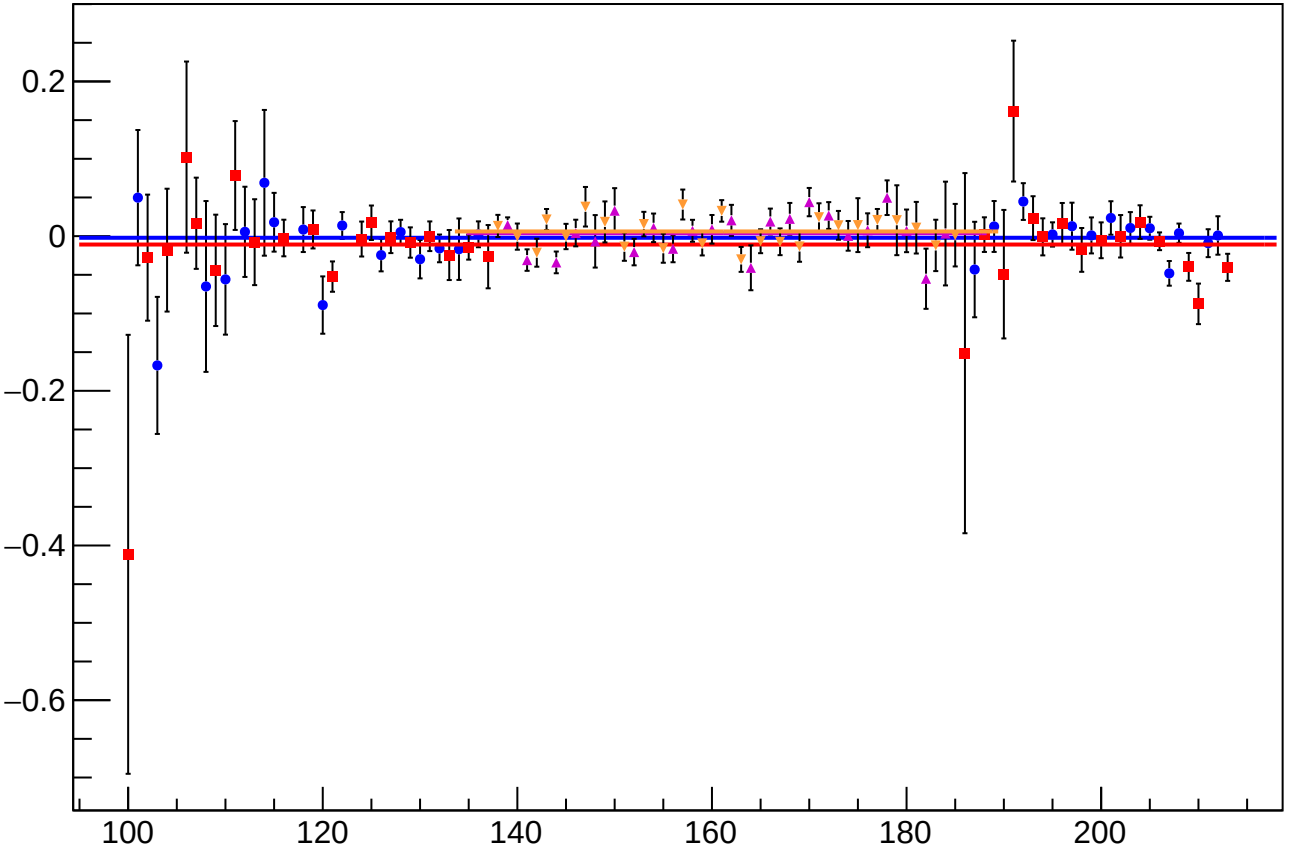
Right: 15.924+/-0.002 χ^2/NDF: 11365177.1/62

In: 15.263+/-0.002 χ^2/NDF:7850469.4/51

Out: 15.601+/-0.002 χ^2/NDF:9418399.2/58

All: 15.434+/-0.001 χ^2/NDF: 17283195.7/110

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.004 χ^2/NDF: 31.5/28

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

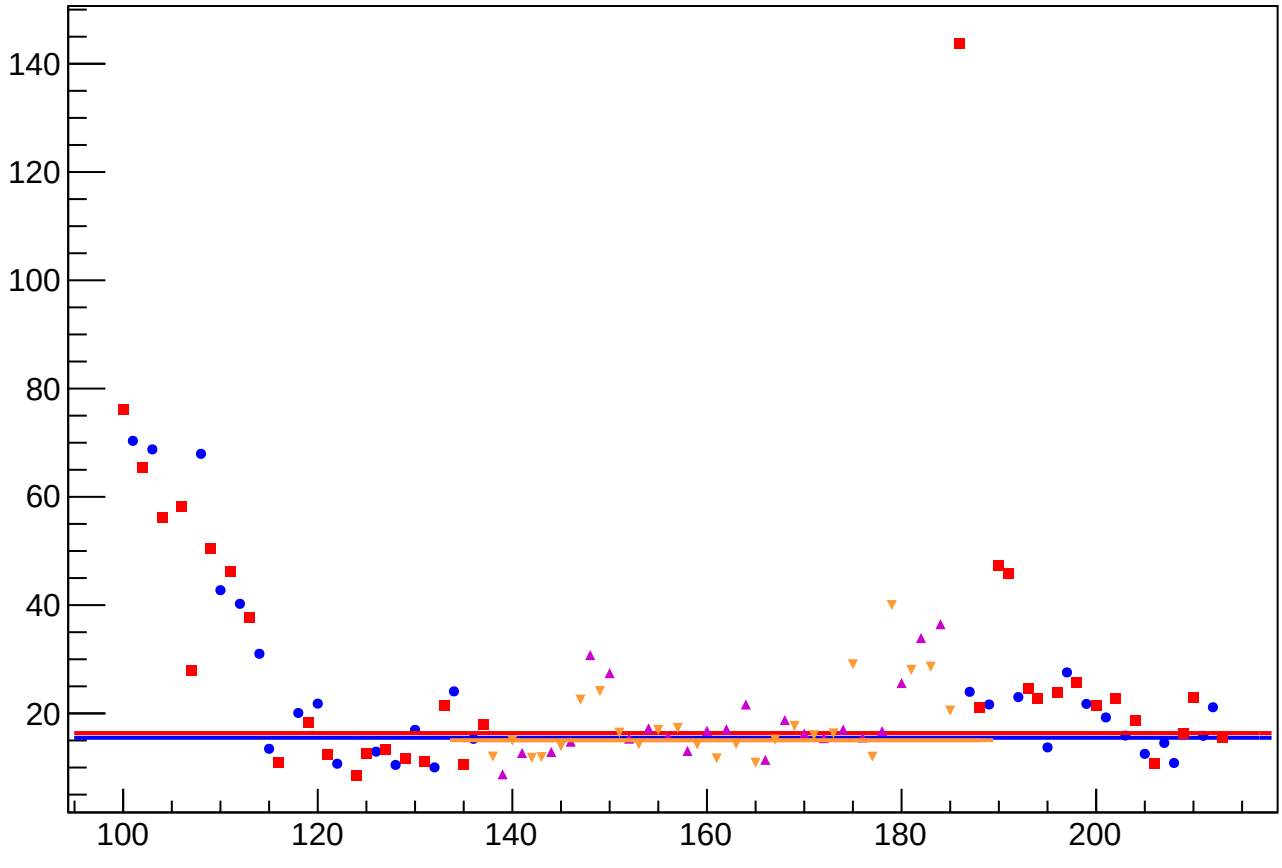
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.006+/-0.003 χ^2/NDF: 69.6/62

In: 0.001+/-0.003 χ^2/NDF:69.7/51

Out: -0.001+/-0.003 χ^2/NDF:71.6/58

All: 0.000+/-0.002 χ^2/NDF: 141.5/110



Right In: 15.501+/-0.003 χ^2/NDF: 4772283.6/28

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

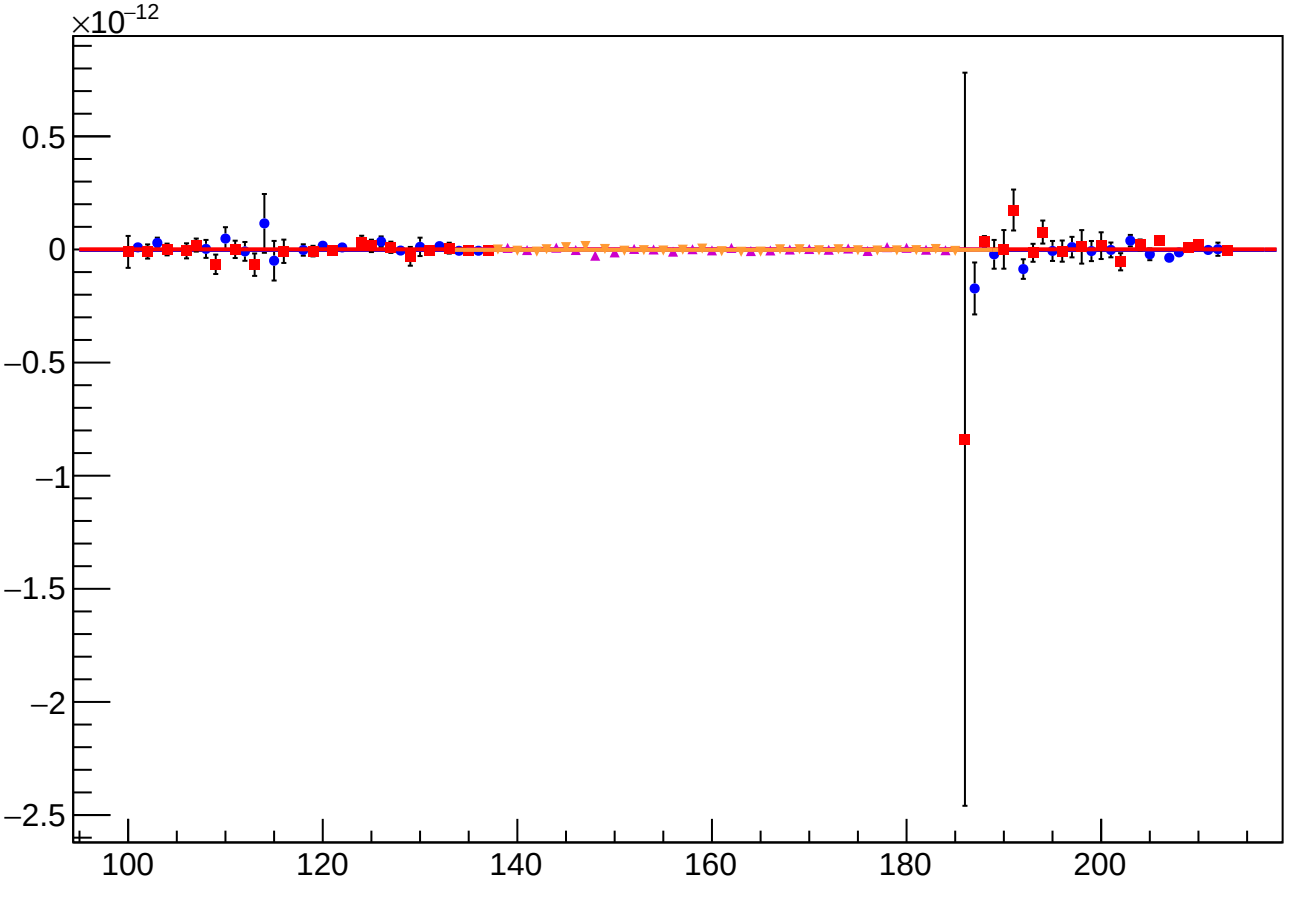
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.924+/-0.002 χ^2/NDF: 11365177.1/62

In: 15.263+/-0.002 χ^2/NDF:7850469.4/51

Out: 15.601+/-0.002 χ^2/NDF:9418399.2/58

All: 15.434+/-0.001 χ^2/NDF: 17283195.7/110



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/28

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

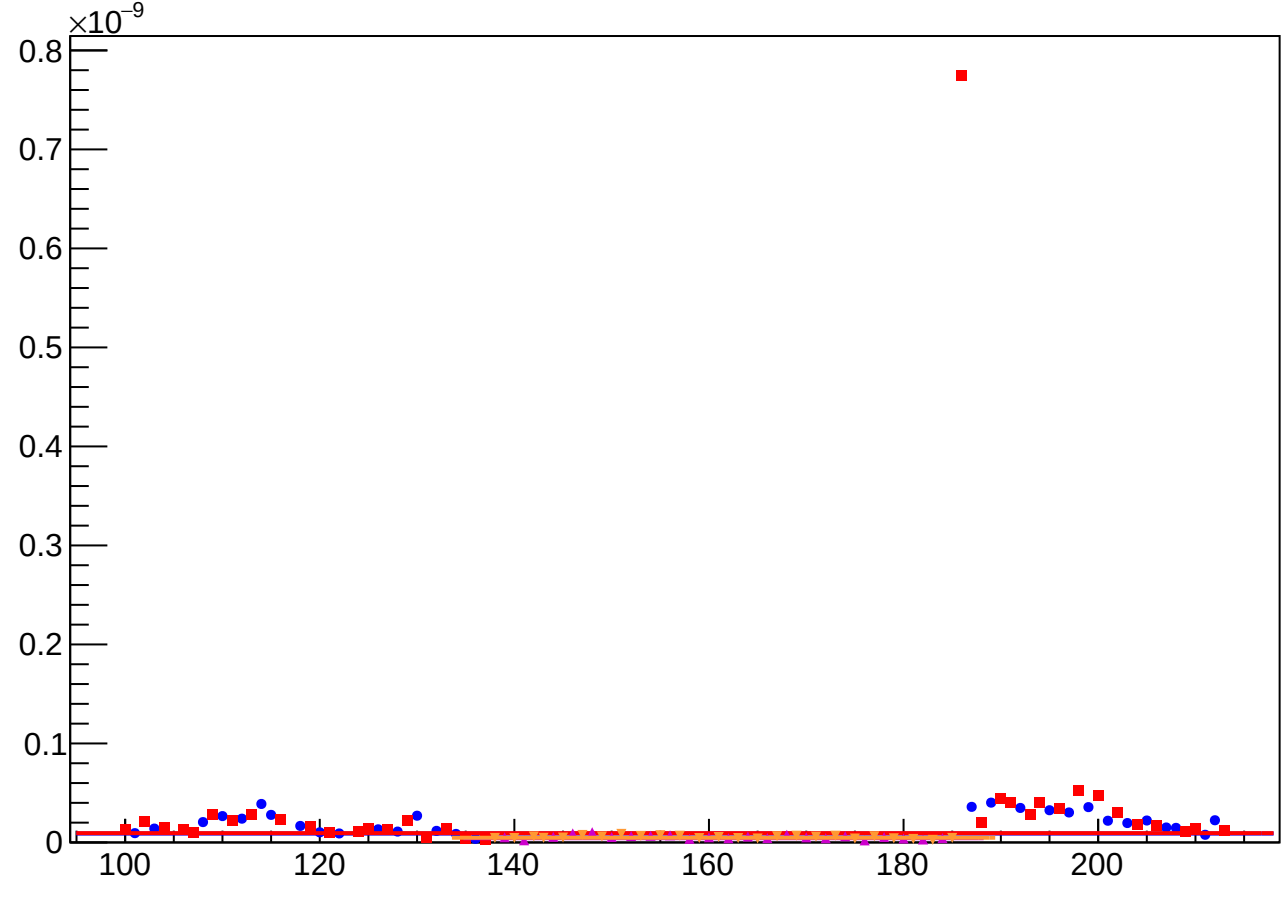
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 47.0/62

In: -0.000+/-0.000 χ^2/NDF:44.5/51

Out: -0.000+/-0.000 χ^2/NDF:39.4/58

All: -0.000+/-0.000 χ^2/NDF: 84.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 9240546.1/28

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11128404.0/33

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

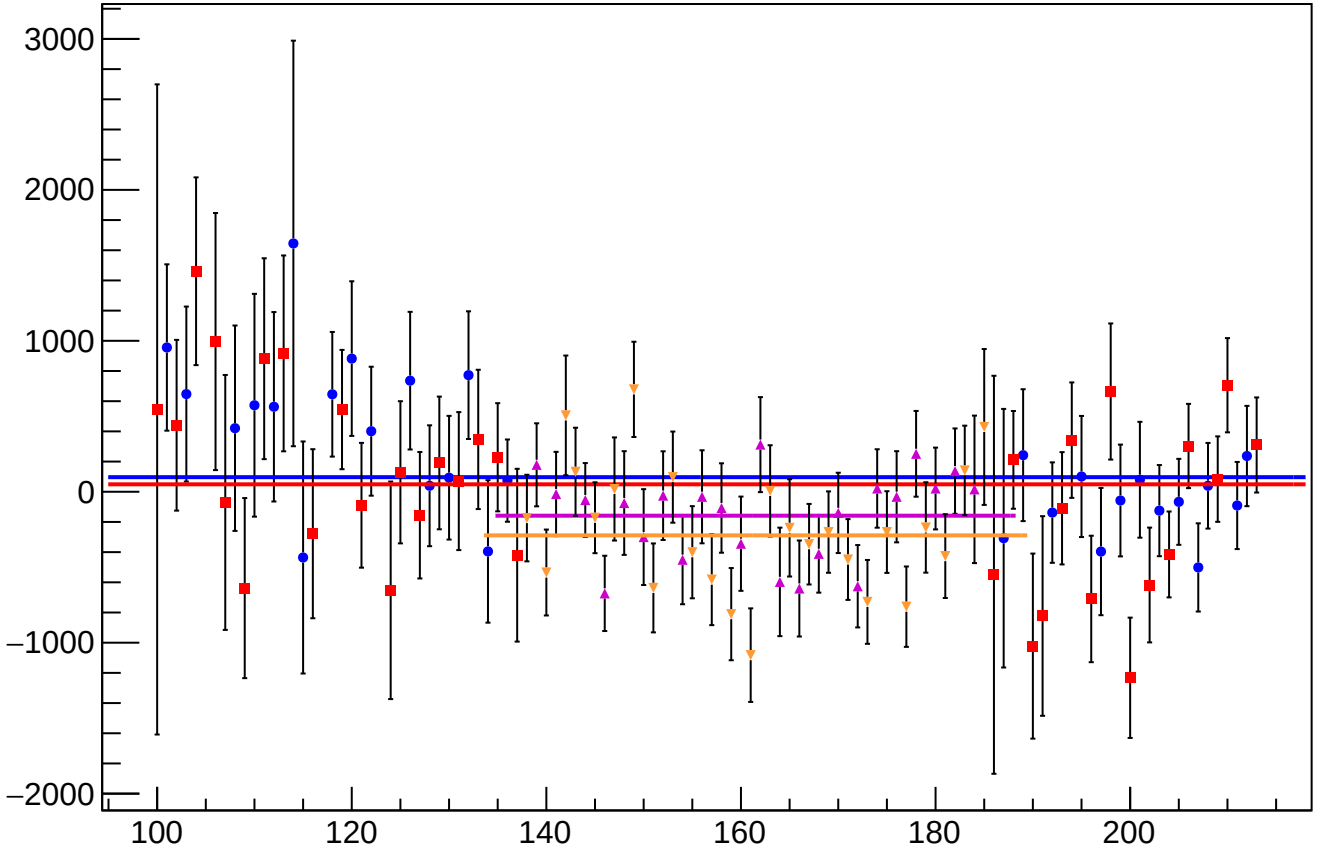
Right: 0.000+/-0.000 χ^2/NDF: 20384563.2/62

In: 0.000+/-0.000 χ^2/NDF:16184081.0/51

Out: 0.000+/-0.000 χ^2/NDF:16366024.9/58

All: 0.000+/-0.000 χ^2/NDF: 32697873.1/110

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 96.591+/-74.369 χ^2/NDF: 24.7/28

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

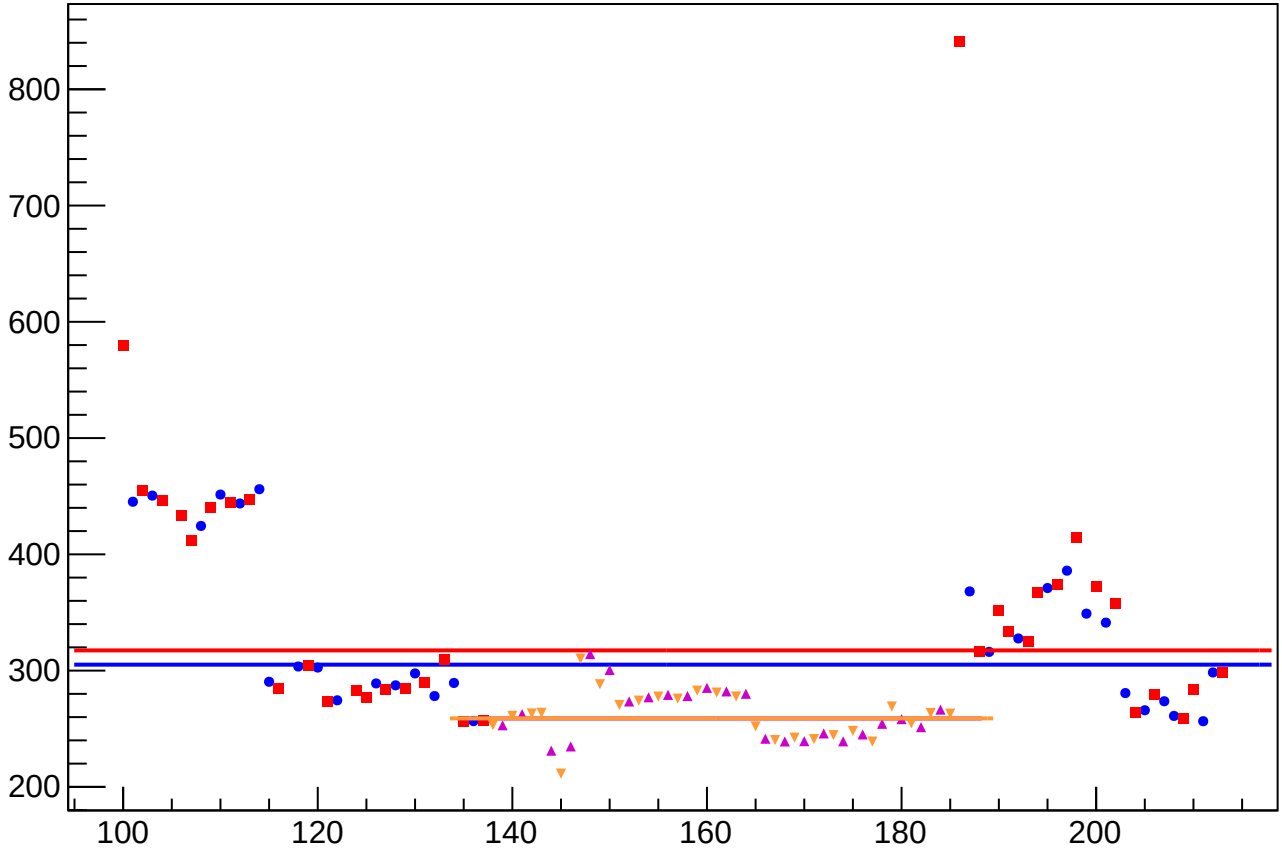
Right: 72.983+/-52.632 χ^2/NDF: 74.4/62

In: -56.553+/-47.028 χ^2/NDF:54.3/51

Out: -158.458+/-46.268 χ^2/NDF:104.6/58

All: -108.336+/-32.982 χ^2/NDF: 161.2/110

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 305.116+/-0.053 χ^2/NDF: 985072.8/28

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

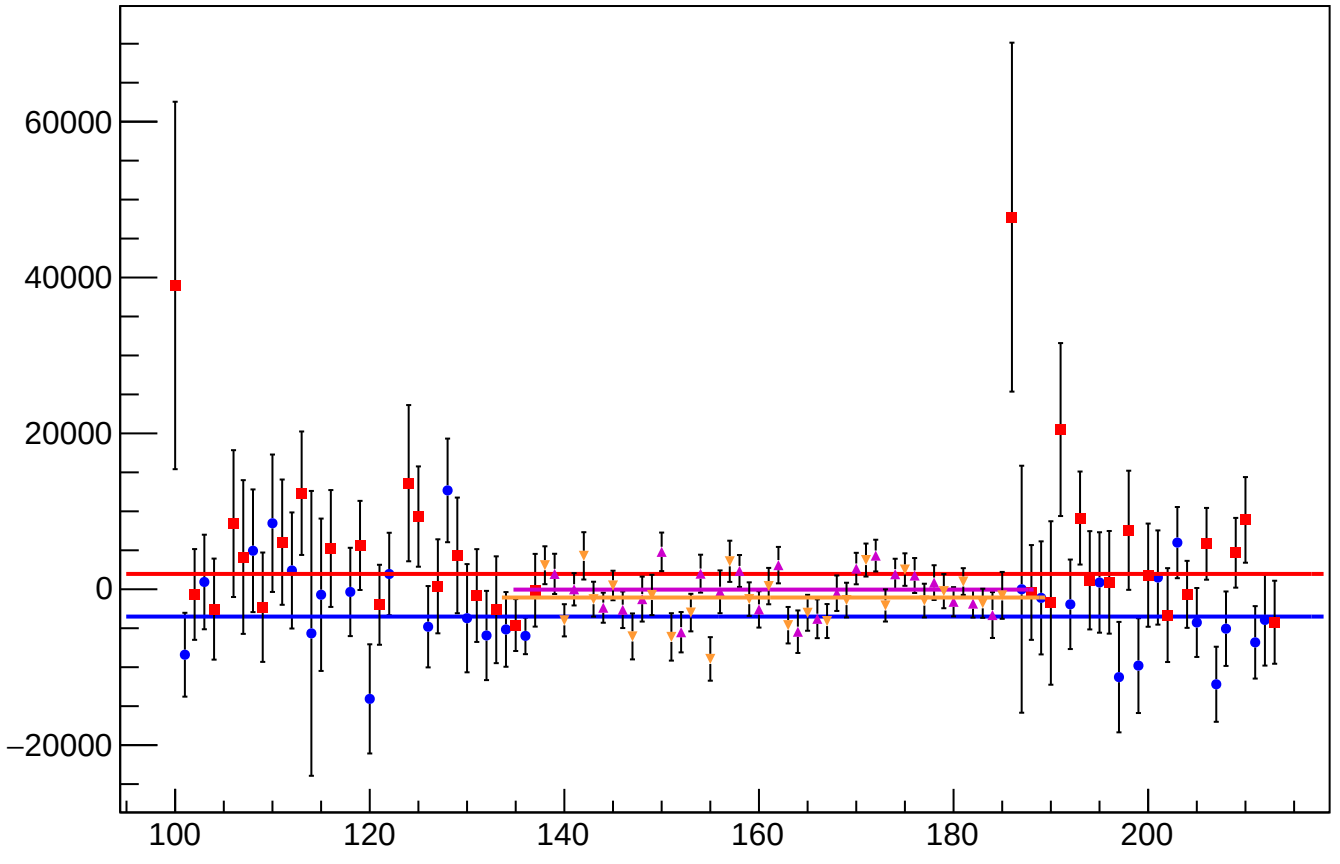
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 311.239+/-0.037 χ^2/NDF: 2481537.8/62

In: 277.347+/-0.033 χ^2/NDF:1694694.7/51

Out: 281.467+/-0.033 χ^2/NDF:2474855.3/58

All: 279.440+/-0.023 χ^2/NDF: 4177348.1/110



Right In: -3504.565+/-1021.304 χ^2/NDF: 28.0/28

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

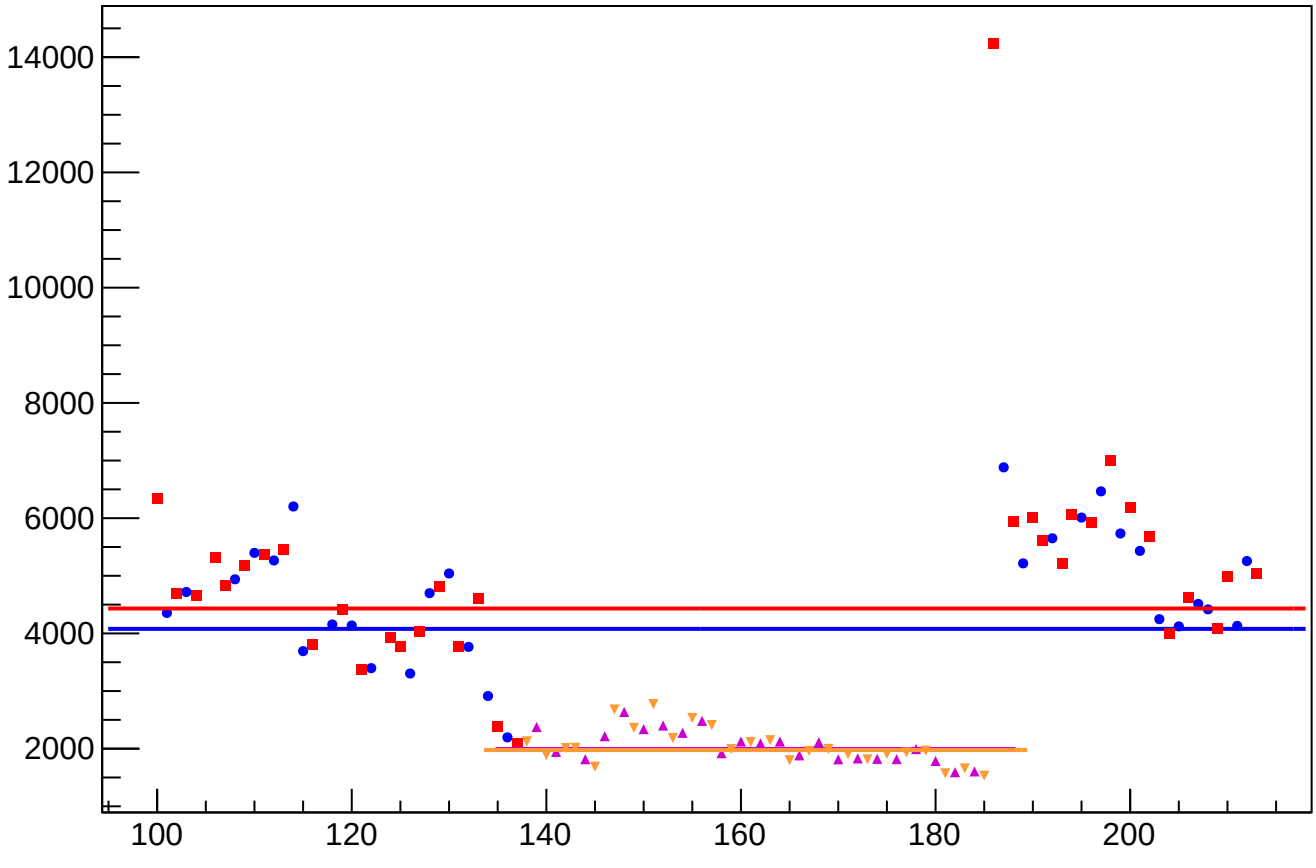
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -870.417+/-735.543 χ^2/NDF: 71.1/62

In: -650.573+/-427.484 χ^2/NDF:71.7/51

Out: -588.964+/-417.853 χ^2/NDF:77.6/58

All: -619.067+/-298.813 χ^2/NDF: 149.3/110



Right In: 4078.990+/-0.722 χ^2/NDF: 2751737.0/28

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

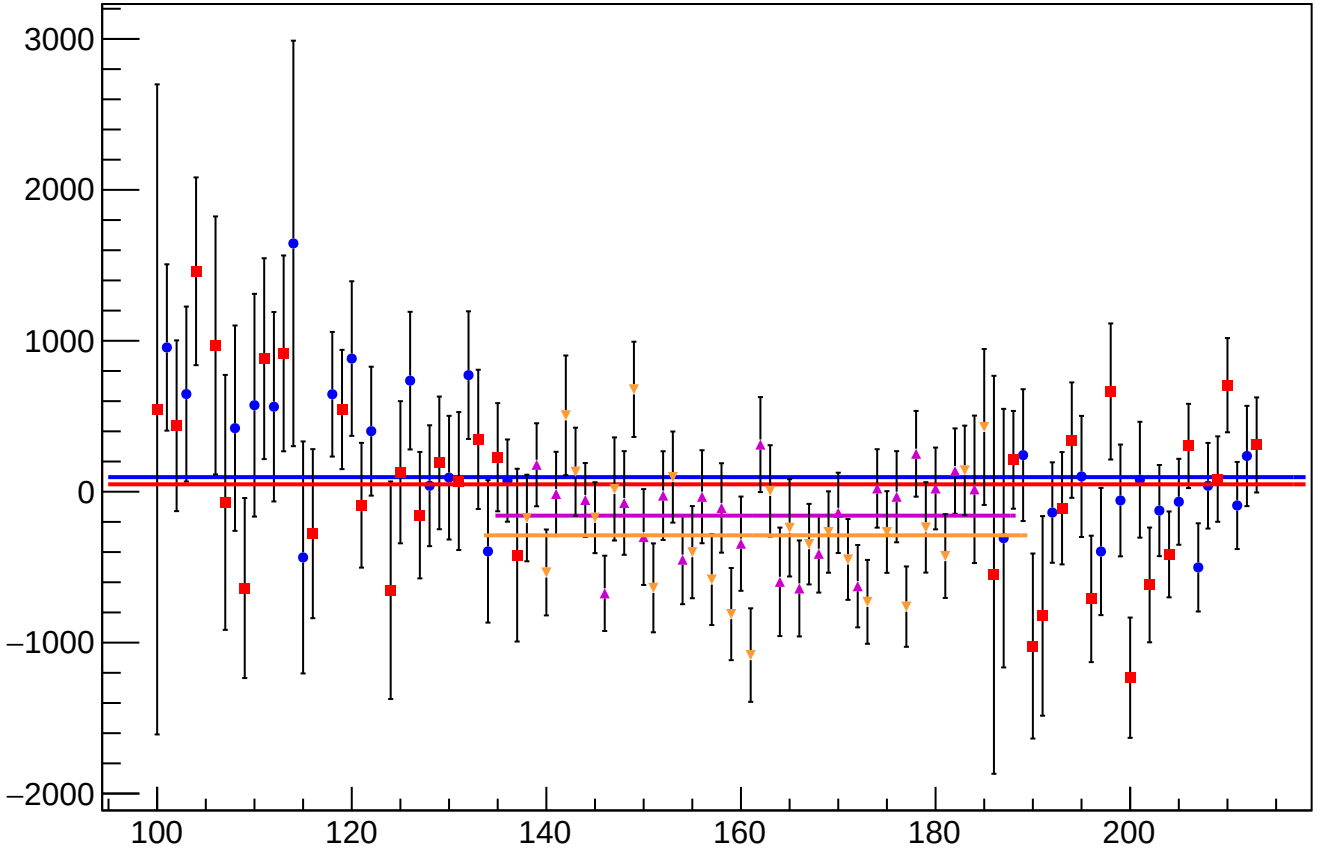
Right: 4249.231+/-0.520 χ^2/NDF: 5798487.3/62

In: 2359.912+/-0.302 χ^2/NDF:10221797.2/51

Out: 2357.572+/-0.295 χ^2/NDF:12765313.1/58

All: 2358.715+/-0.211 χ^2/NDF: 22987141.0/1

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 96.565+/-74.369 χ^2/NDF: 24.7/28

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

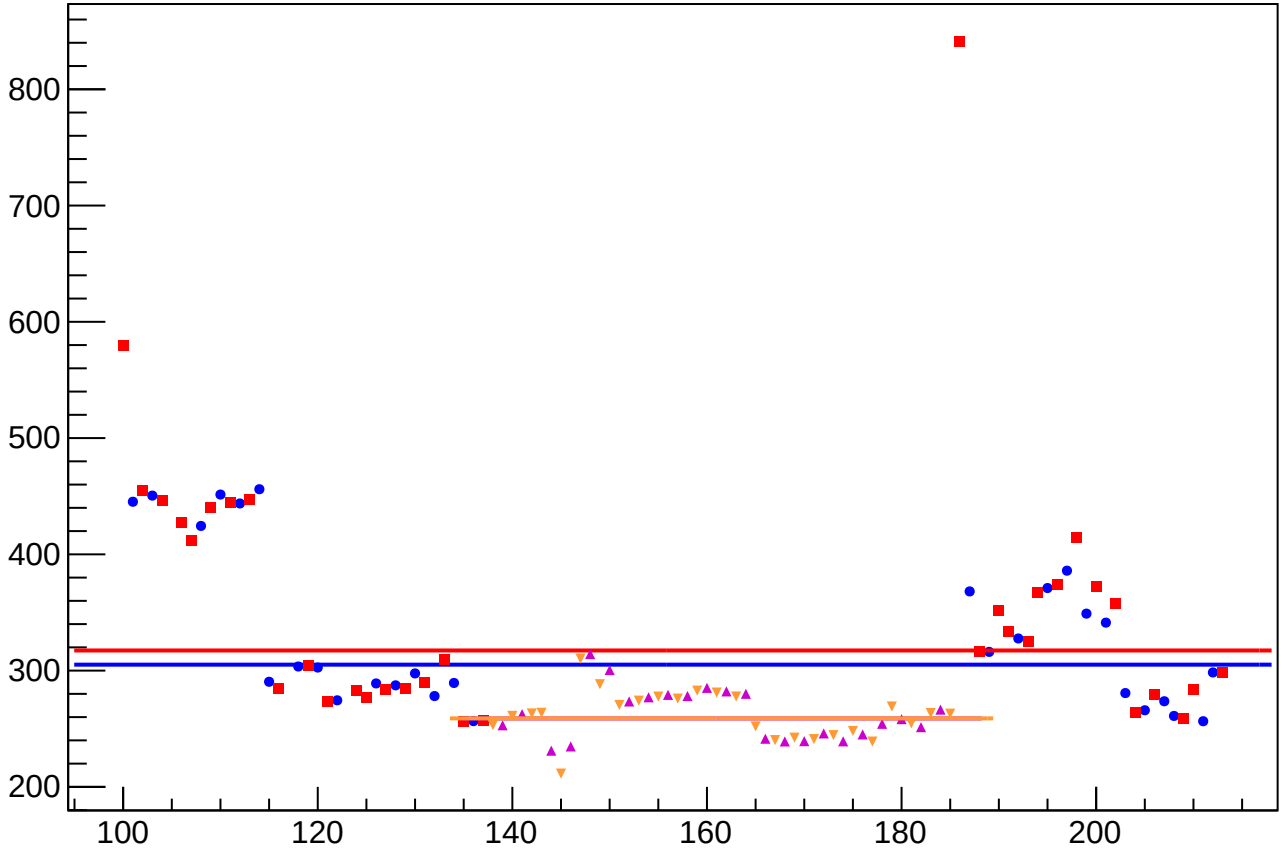
Right: 72.810+/-52.633 χ^2/NDF: 74.3/62

In: -56.570+/-47.028 χ^2/NDF:54.3/51

Out: -158.591+/-46.269 χ^2/NDF:104.5/58

All: -108.411+/-32.982 χ^2/NDF: 161.1/110

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 305.116+/-0.053 χ^2/NDF: 985074.3/28

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

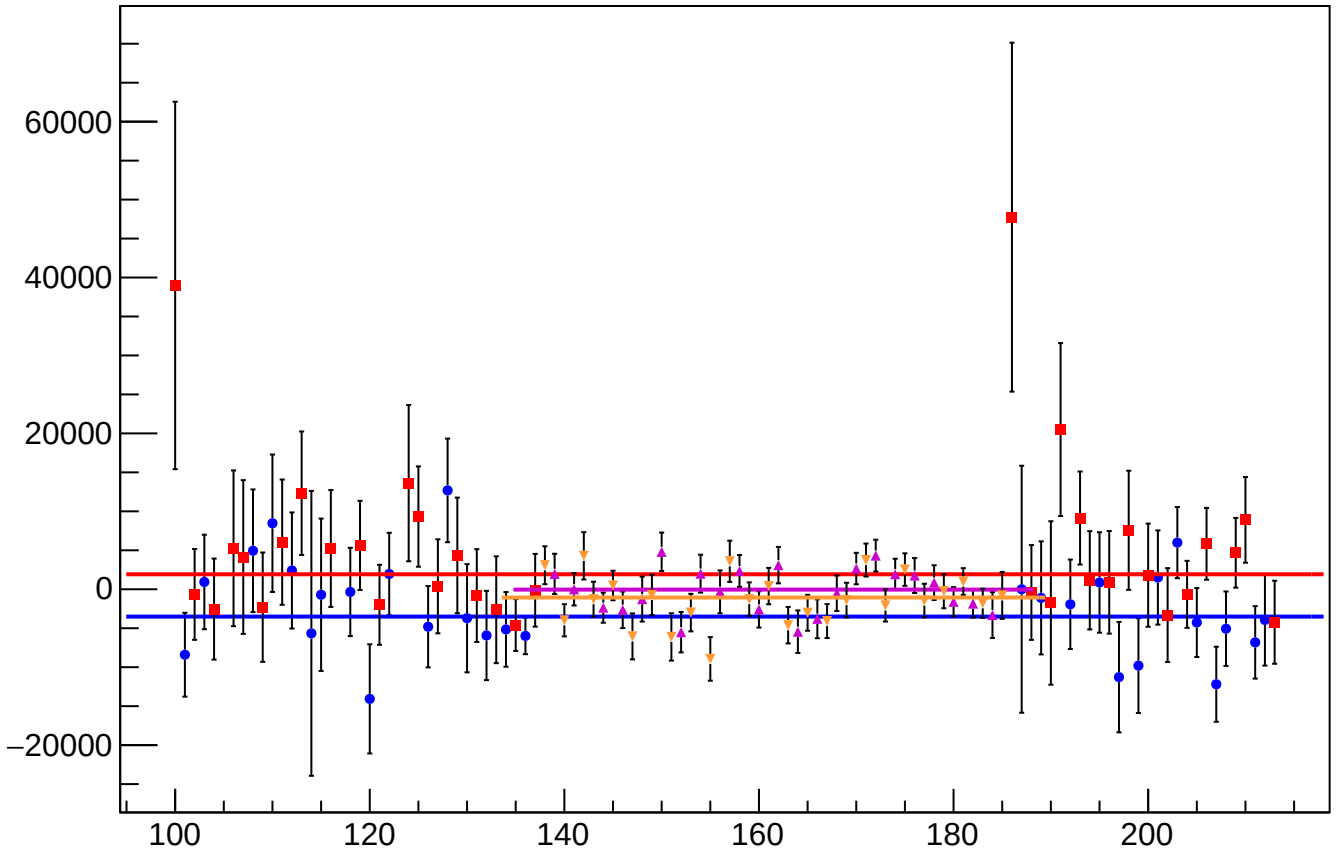
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 311.210+/-0.037 χ^2/NDF: 2477023.1/62

In: 277.347+/-0.033 χ^2/NDF:1694696.2/51

Out: 281.444+/-0.033 χ^2/NDF:2469082.3/58

All: 279.429+/-0.023 χ^2/NDF: 4171489.6/110



Right In: -3504.541+/-1021.306 χ^2/NDF: 28.0/28

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

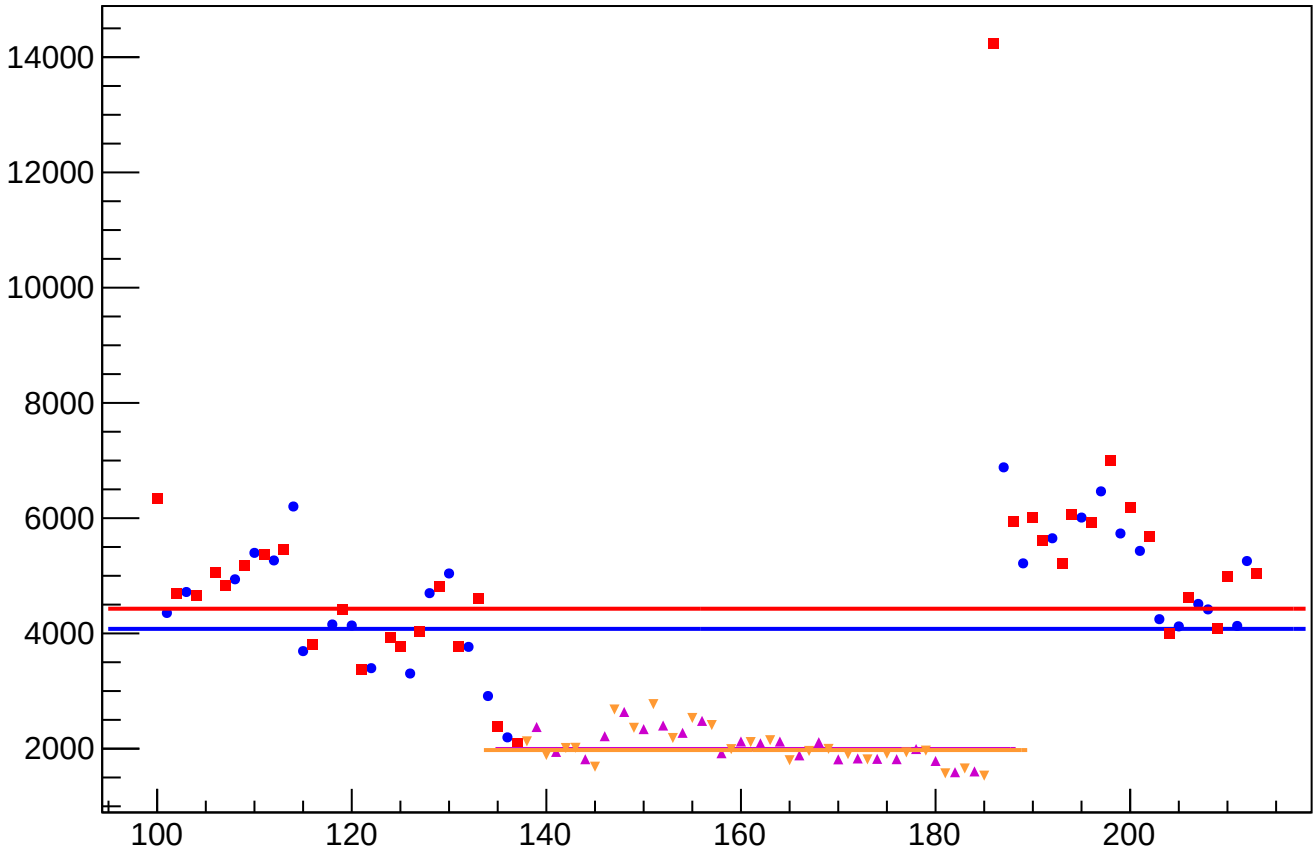
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -893.776+/-735.800 χ^2/NDF: 70.5/62

In: -650.565+/-427.484 χ^2/NDF:71.7/51

Out: -596.444+/-417.900 χ^2/NDF:77.0/58

All: -622.891+/-298.831 χ^2/NDF: 148.7/110



Right In: 4078.994+/-0.722 χ^2/NDF: 2751745.9/28

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

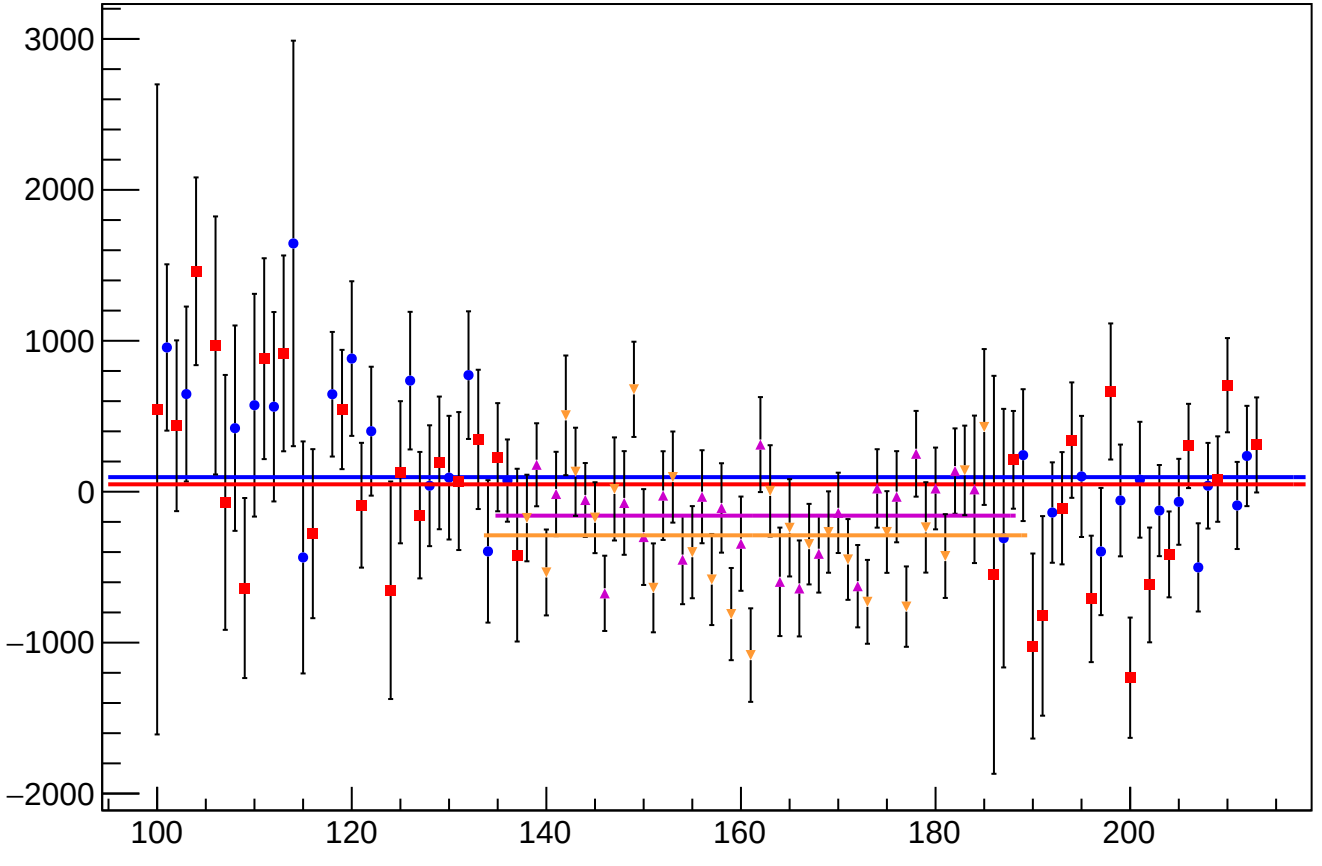
Right: 4247.212+/-0.520 χ^2/NDF: 5786524.7/62

In: 2359.913+/-0.302 χ^2/NDF:10221817.0/51

Out: 2356.494+/-0.295 χ^2/NDF:12715880.9/58

All: 2358.165+/-0.211 χ^2/NDF: 22937763.3/1

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 96.565+/-74.369 χ^2/NDF: 24.7/28

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

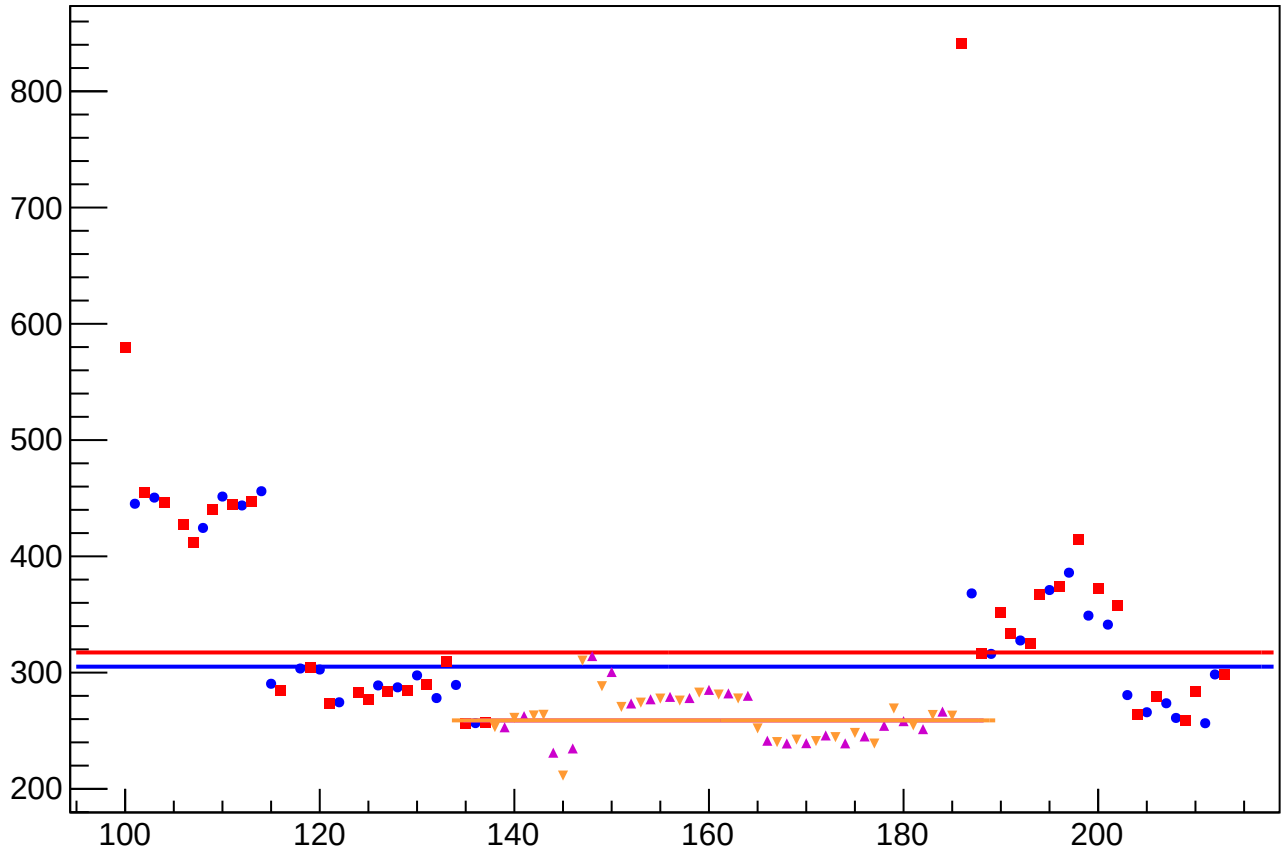
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 72.810+/-52.633 χ^2/NDF: 74.3/62

In: -56.570+/-47.028 χ^2/NDF:54.3/51

Out: -158.591+/-46.269 χ^2/NDF:104.5/58

All: -108.411+/-32.982 χ^2/NDF: 161.1/110



Right In: 305.116+/-0.053 χ^2/NDF: 985074.3/28

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

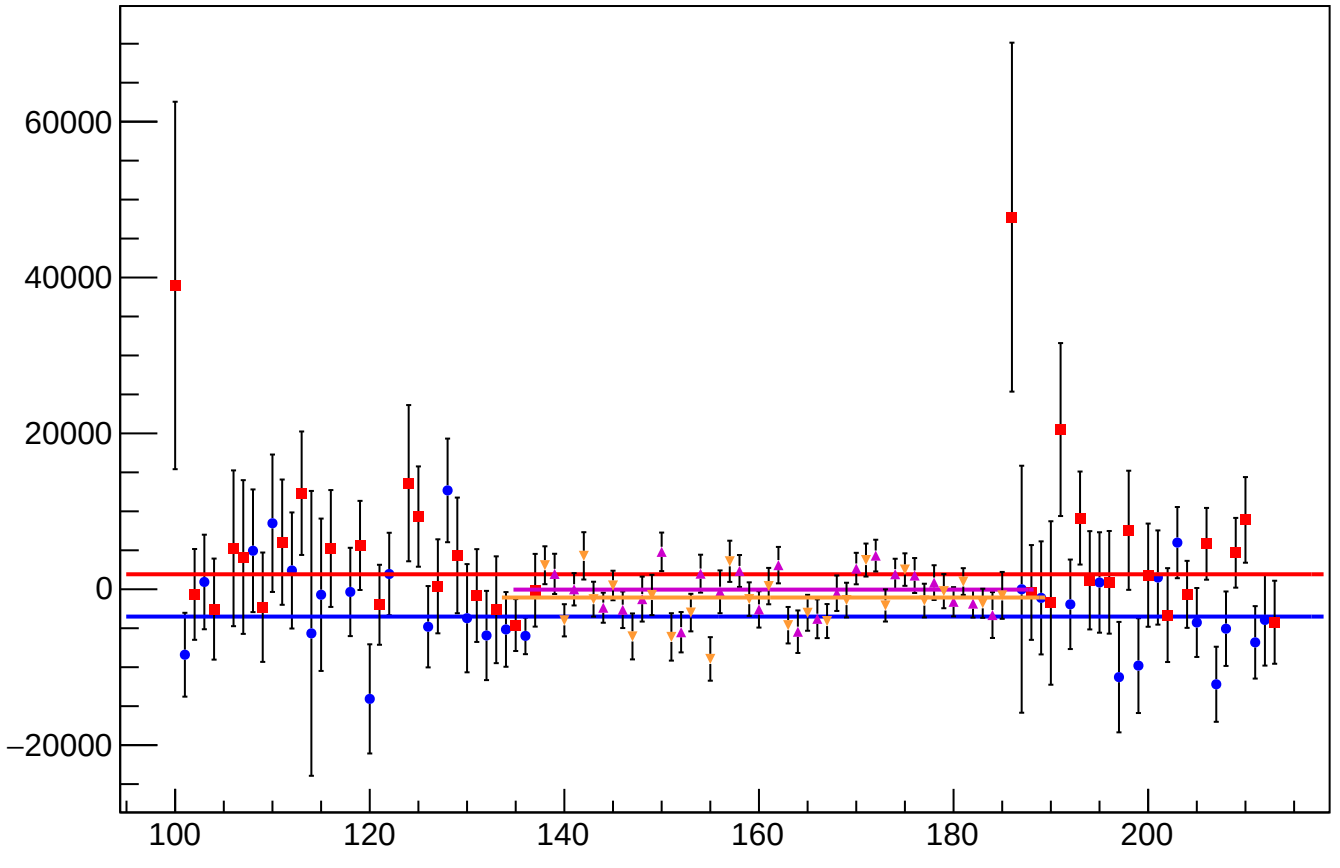
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 311.210+/-0.037 χ^2/NDF: 2477023.1/62

In: 277.347+/-0.033 χ^2/NDF:1694696.2/51

Out: 281.444+/-0.033 χ^2/NDF:2469082.3/58

All: 279.429+/-0.023 χ^2/NDF: 4171489.6/110



Right In: -3504.541+/-1021.306 χ^2/NDF: 28.0/28

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

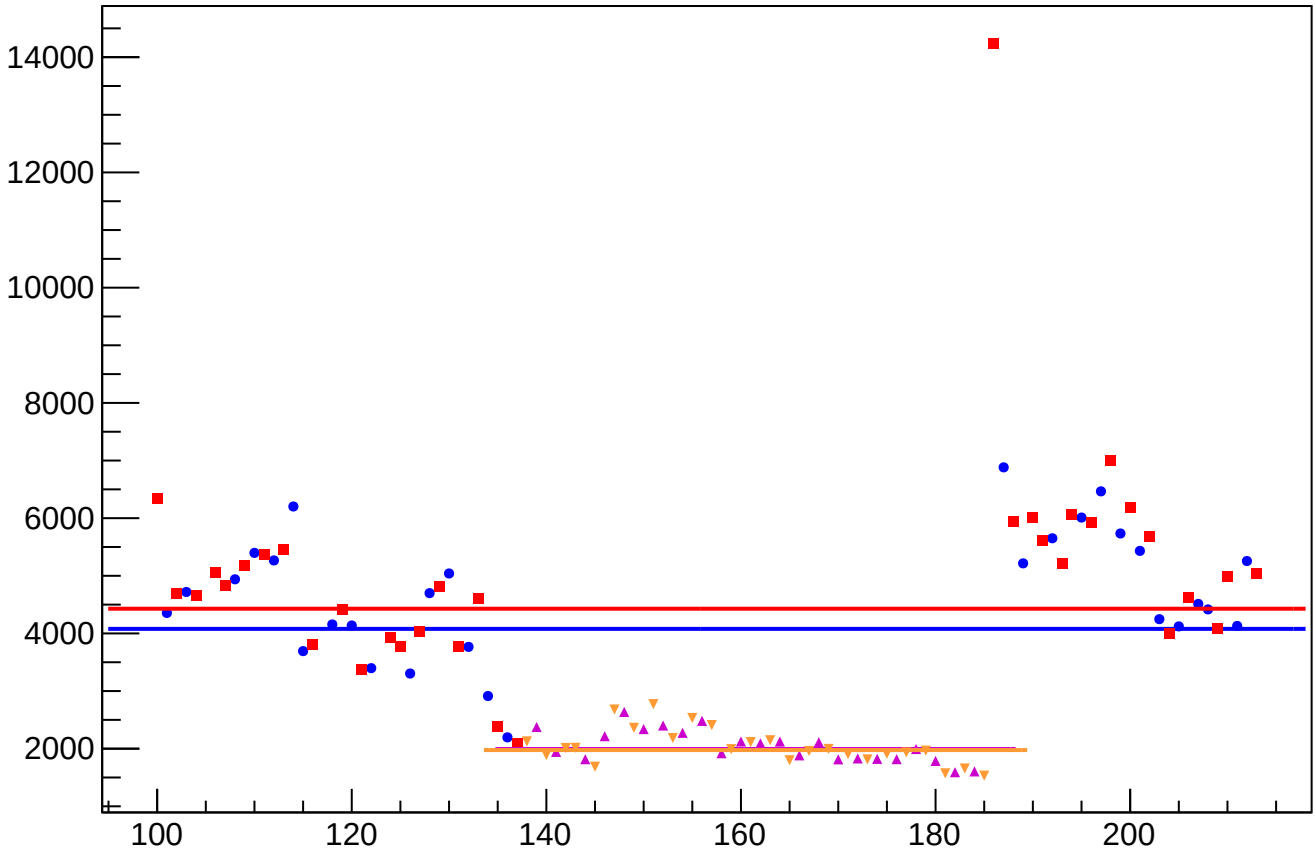
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -893.776+/-735.800 χ^2/NDF: 70.5/62

In: -650.565+/-427.484 χ^2/NDF:71.7/51

Out: -596.444+/-417.900 χ^2/NDF:77.0/58

All: -622.891+/-298.831 χ^2/NDF: 148.7/110



Right In: 4078.994+/-0.722 χ^2/NDF: 2751745.9/28

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

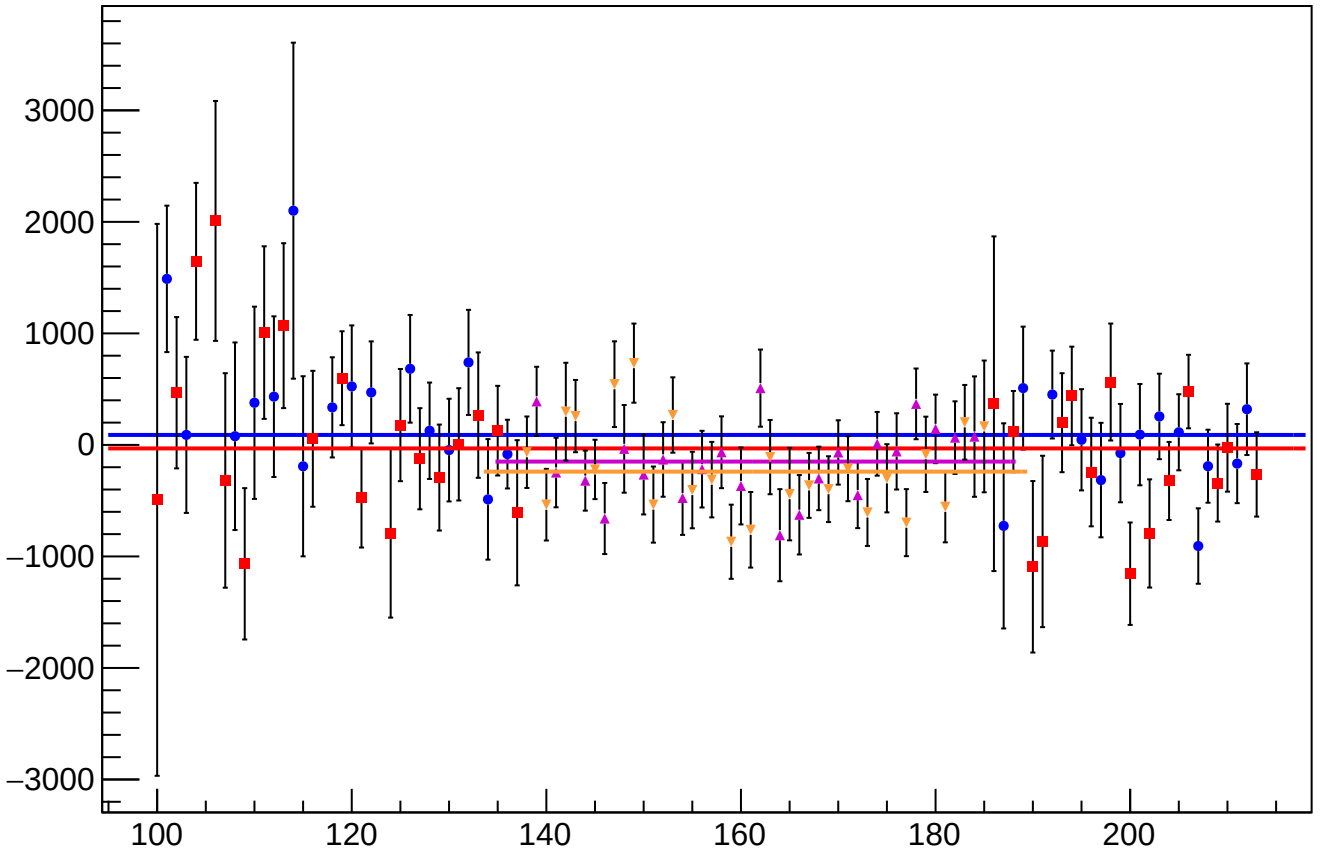
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4247.212+/-0.520 χ^2/NDF: 5786524.7/62

In: 2359.913+/-0.302 χ^2/NDF:10221817.0/51

Out: 2356.494+/-0.295 χ^2/NDF:12715880.9/58

All: 2358.165+/-0.211 χ^2/NDF: 22937763.3/1



Right In: 89.457+/-86.440 χ^2/NDF: 26.8/28

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

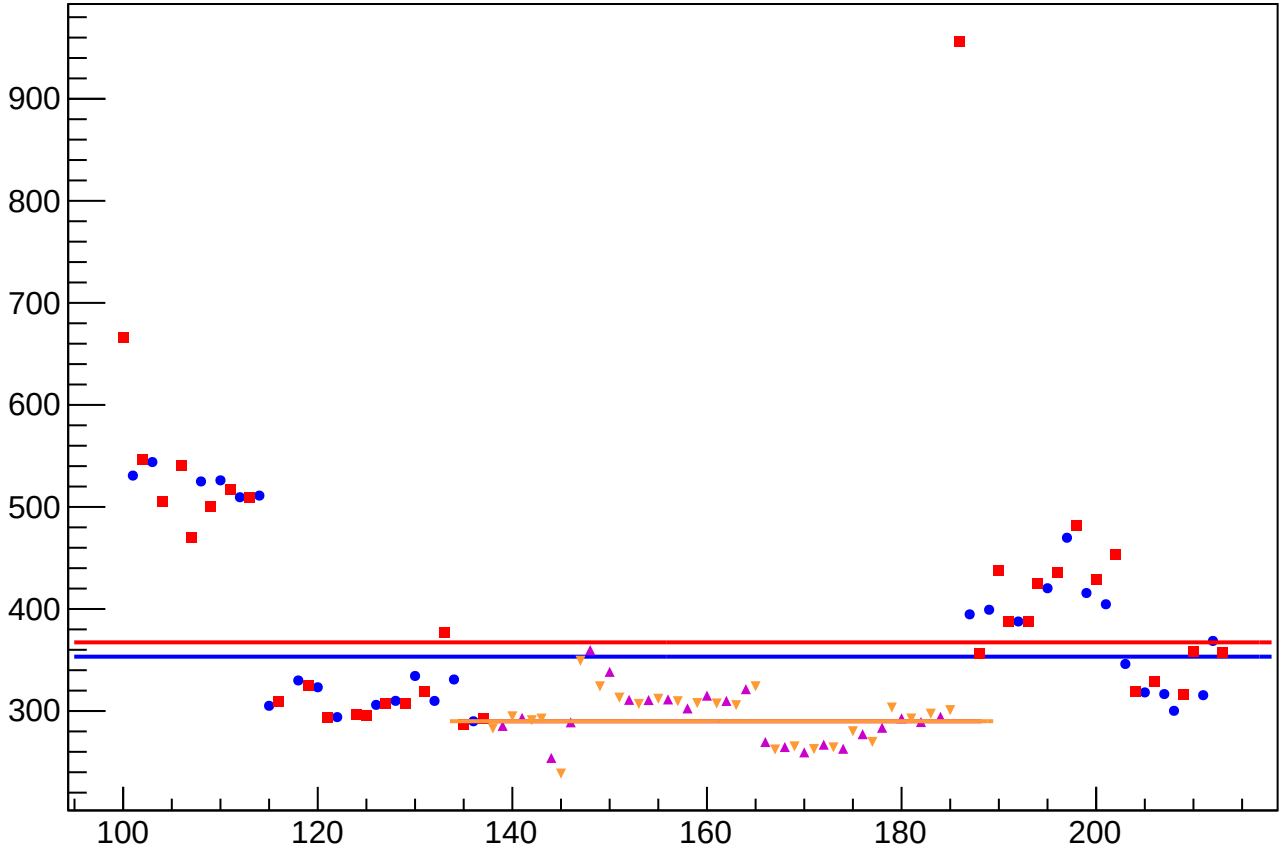
Right: 29.050+/-61.146 χ^2/NDF: 69.0/62

In: -57.897+/-53.522 χ^2/NDF:53.2/51

Out: -162.739+/-52.556 χ^2/NDF:78.9/58

All: -111.273+/-37.500 χ^2/NDF: 134.1/110

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 353.264+/-0.061 χ^2/NDF: 1143030.1/28

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

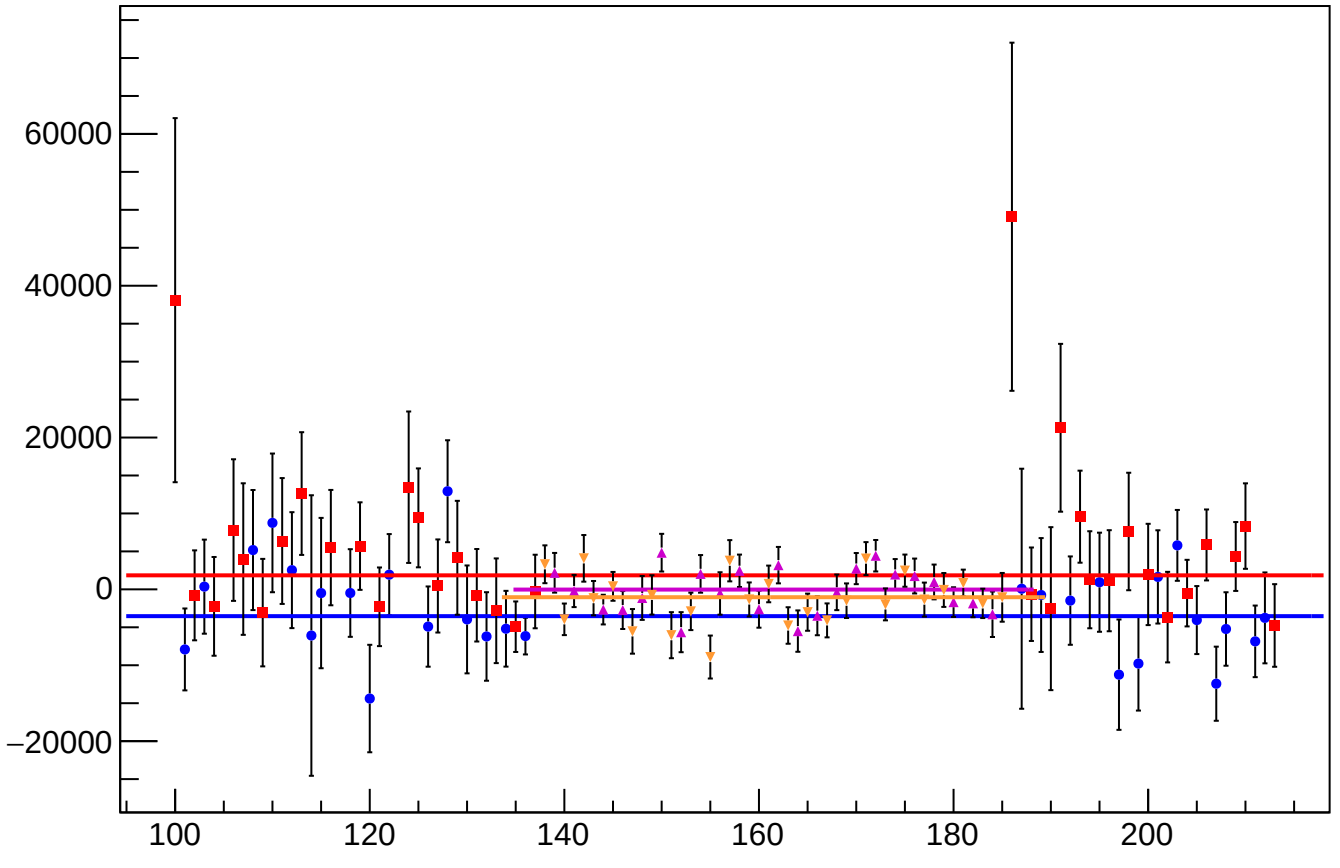
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 360.267+/-0.043 χ^2/NDF: 2769432.4/62

In: 314.218+/-0.038 χ^2/NDF:2074509.4/51

Out: 318.539+/-0.037 χ^2/NDF:2887184.2/58

All: 316.418+/-0.027 χ^2/NDF: 4968328.8/110



Right In: -3530.826+/-1041.751 χ^2/NDF: 27.6/28

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

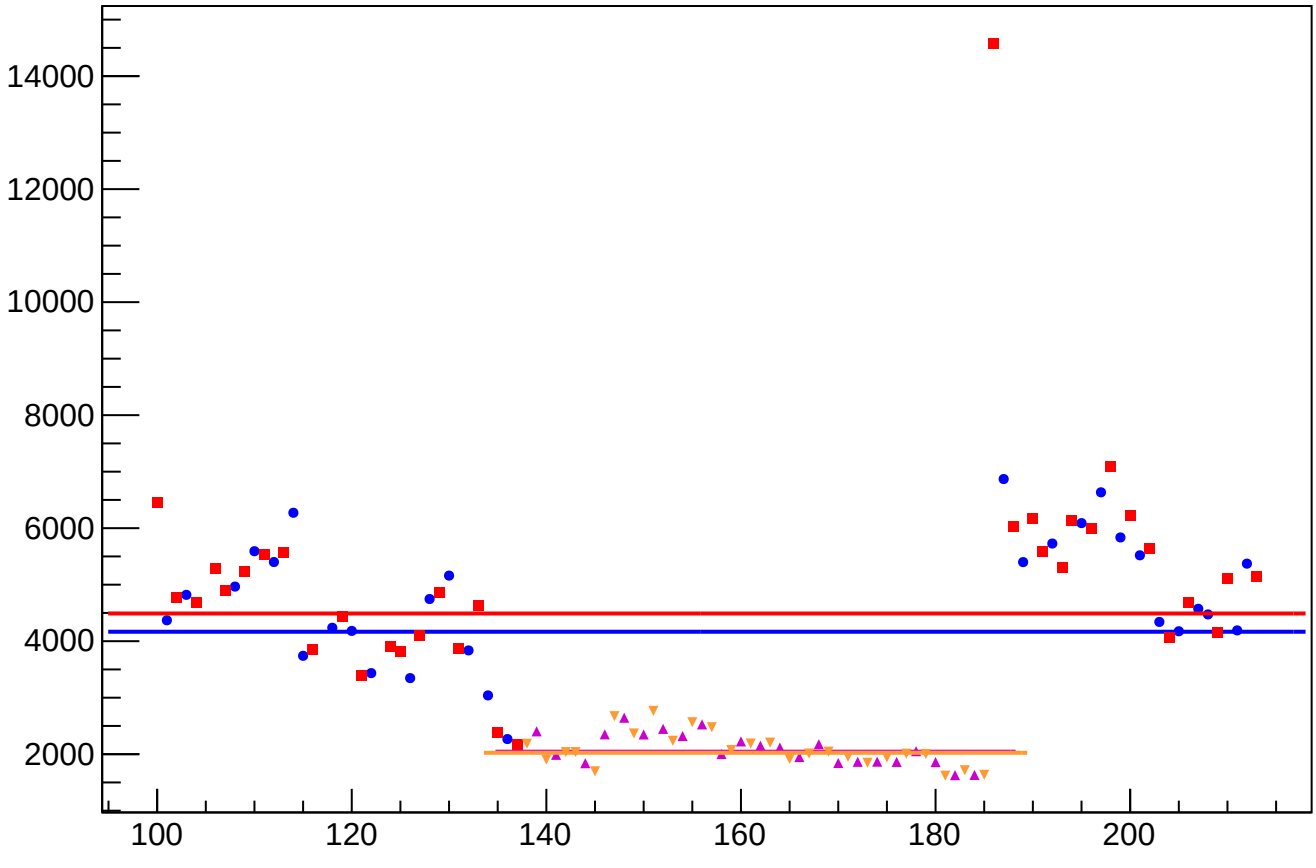
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -924.560+/-747.772 χ^2/NDF: 70.4/62

In: -648.209+/-437.655 χ^2/NDF:71.1/51

Out: -581.072+/-426.972 χ^2/NDF:76.2/58

All: -613.811+/-305.622 χ^2/NDF: 147.3/110



Right In: 4167.126+/-0.737 χ^2/NDF: 2666718.8/28

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

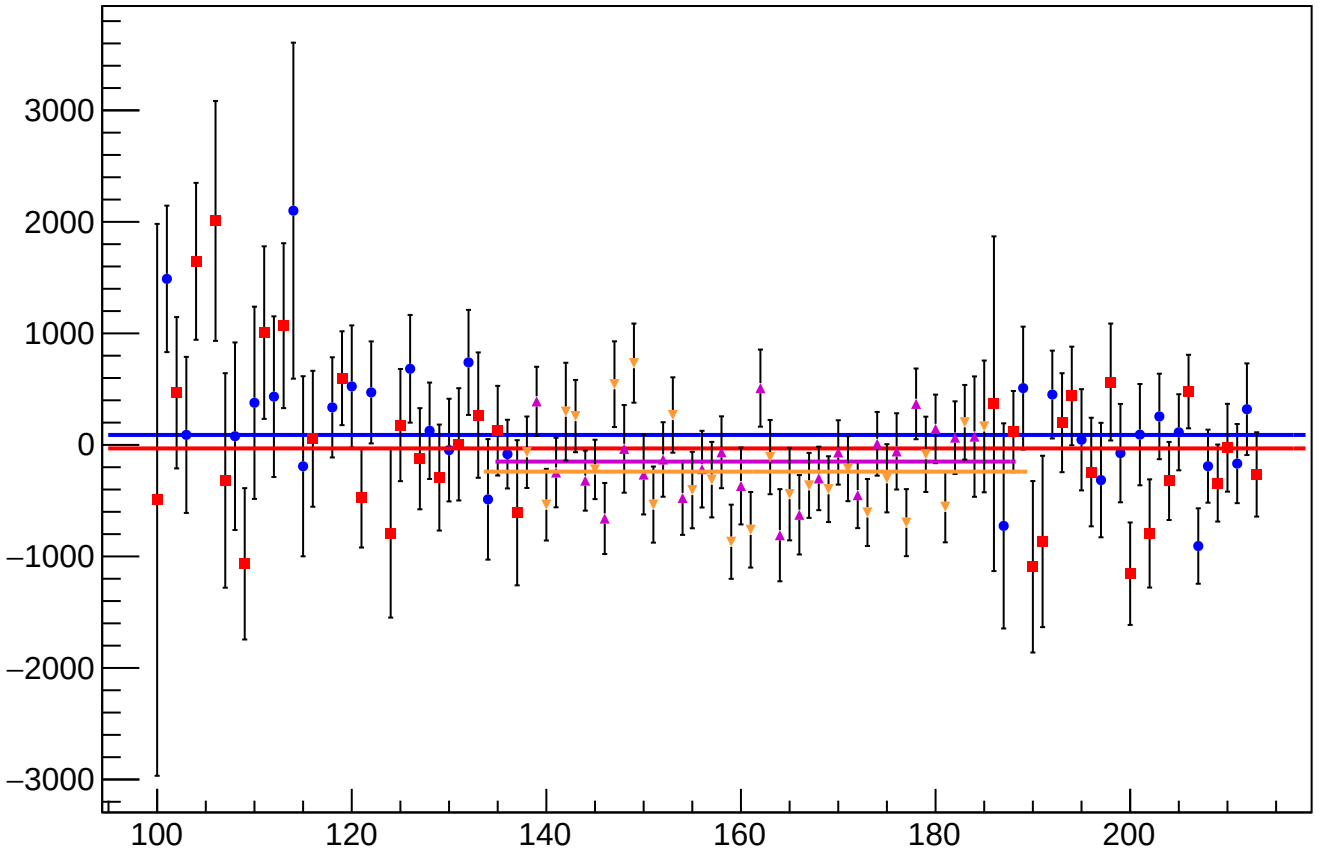
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4323.667+/-0.529 χ^2/NDF: 5685971.3/62

In: 2419.155+/-0.309 χ^2/NDF:10089263.2/51

Out: 2414.664+/-0.302 χ^2/NDF:12496979.4/58

All: 2416.854+/-0.216 χ^2/NDF: 22586350.5/



Right In: 89.463+/-86.440 χ^2/NDF: 26.8/28

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

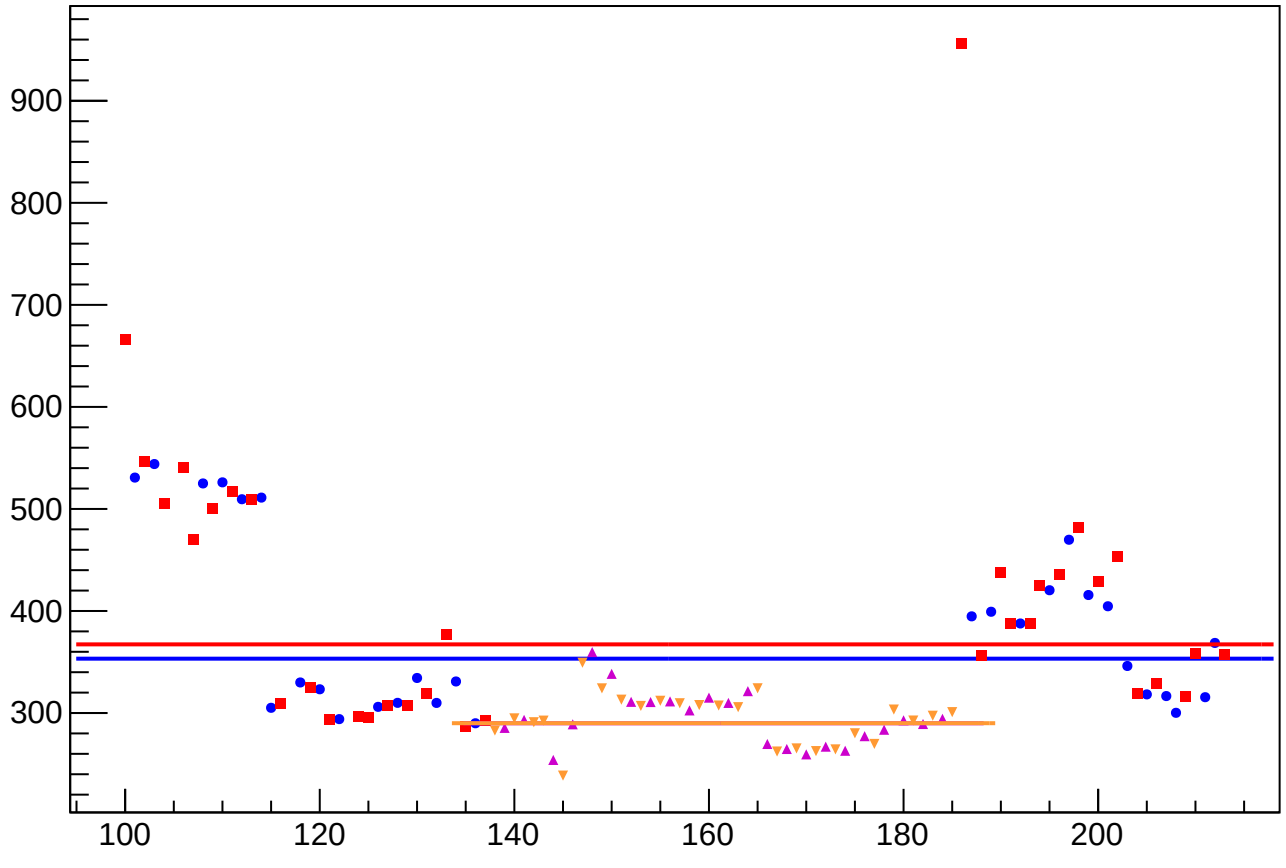
Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

Right: 29.053+/-61.146 χ^2/NDF: 69.0/62

In: -57.895+/-53.522 χ^2/NDF:53.2/51

Out: -162.741+/-52.556 χ^2/NDF:78.9/58

All: -111.273+/-37.500 χ^2/NDF: 134.1/110



Right In: 353.263+/-0.061 χ^2/NDF: 1143026.7/28

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

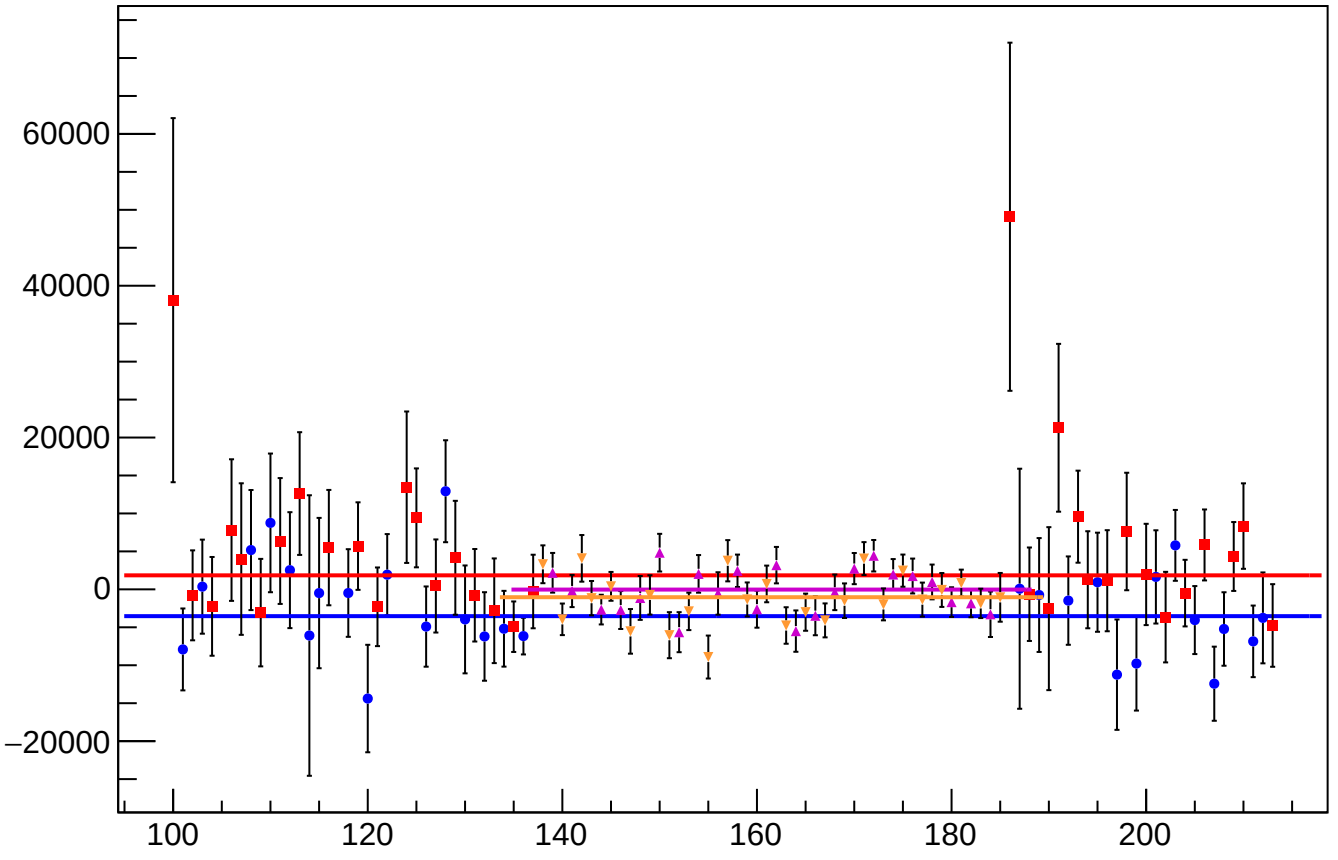
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 360.266+/-0.043 χ^2/NDF: 2769420.3/62

In: 314.218+/-0.038 χ^2/NDF:2074494.0/51

Out: 318.539+/-0.037 χ^2/NDF:2887169.8/58

All: 316.418+/-0.027 χ^2/NDF: 4968299.7/110



Right In: -3530.820+/-1041.750 χ^2/NDF: 27.6/28

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

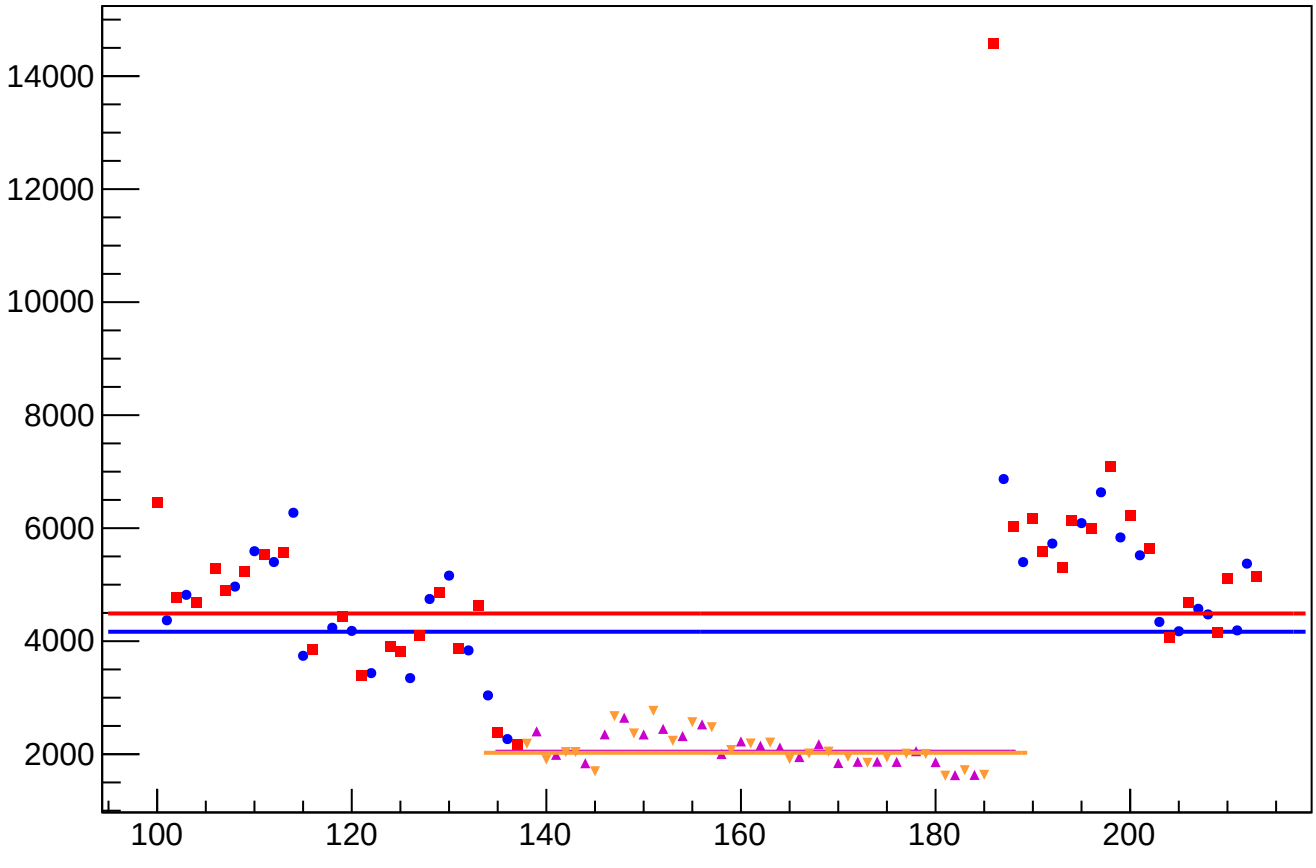
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -924.557+/-747.772 χ^2/NDF: 70.4/62

In: -648.207+/-437.655 χ^2/NDF:71.1/51

Out: -581.070+/-426.972 χ^2/NDF:76.2/58

All: -613.809+/-305.622 χ^2/NDF: 147.3/110



Right In: 4167.123+/-0.737 χ^2/NDF: 2666711.4/28

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

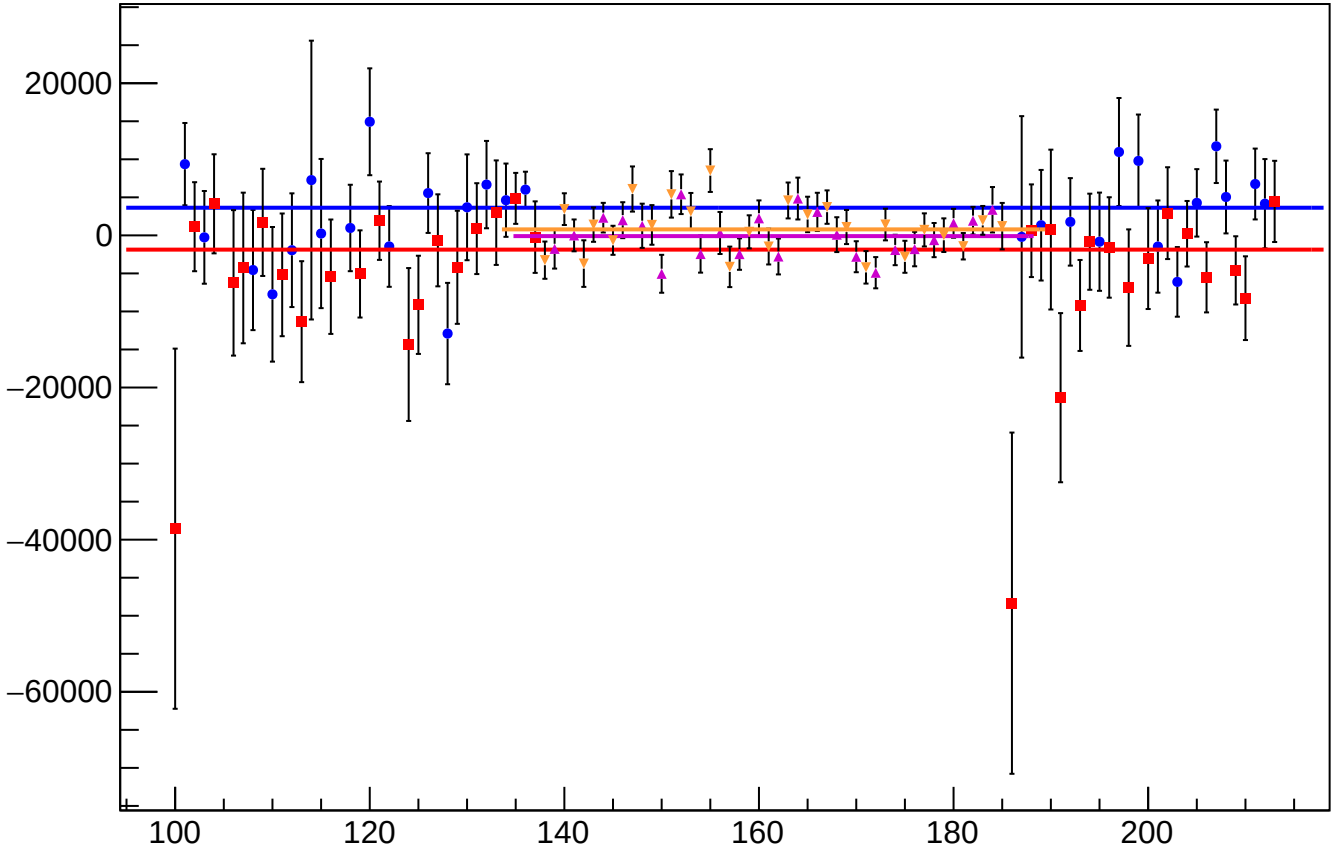
Right: 4323.665+/-0.529 χ^2/NDF: 5685959.5/62

In: 2419.155+/-0.309 χ^2/NDF:10089254.4/51

Out: 2414.665+/-0.302 χ^2/NDF:12496967.7/58

All: 2416.854+/-0.216 χ^2/NDF: 22586329.9/

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3634.661+/-1024.976 χ^2/NDF: 27.8/28

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

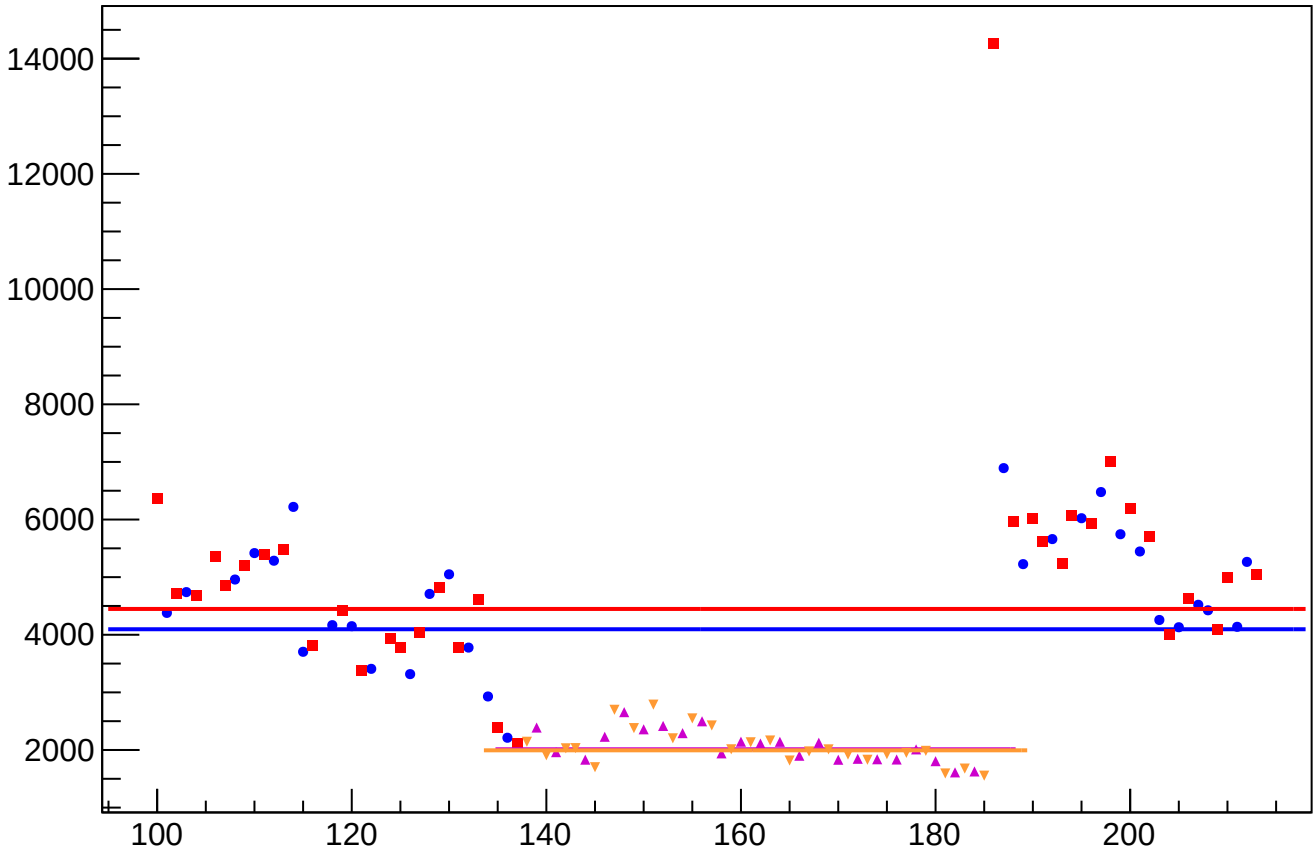
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

Right: 983.124+/-738.065 χ^2/NDF: 70.4/62

In: 562.559+/-430.840 χ^2/NDF:71.5/51

Out: 371.060+/-421.223 χ^2/NDF:75.3/58

All: 464.649+/-301.192 χ^2/NDF: 147.0/110



Right In: 4095.769+/-0.725 χ^2/NDF: 2720365.5/28

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

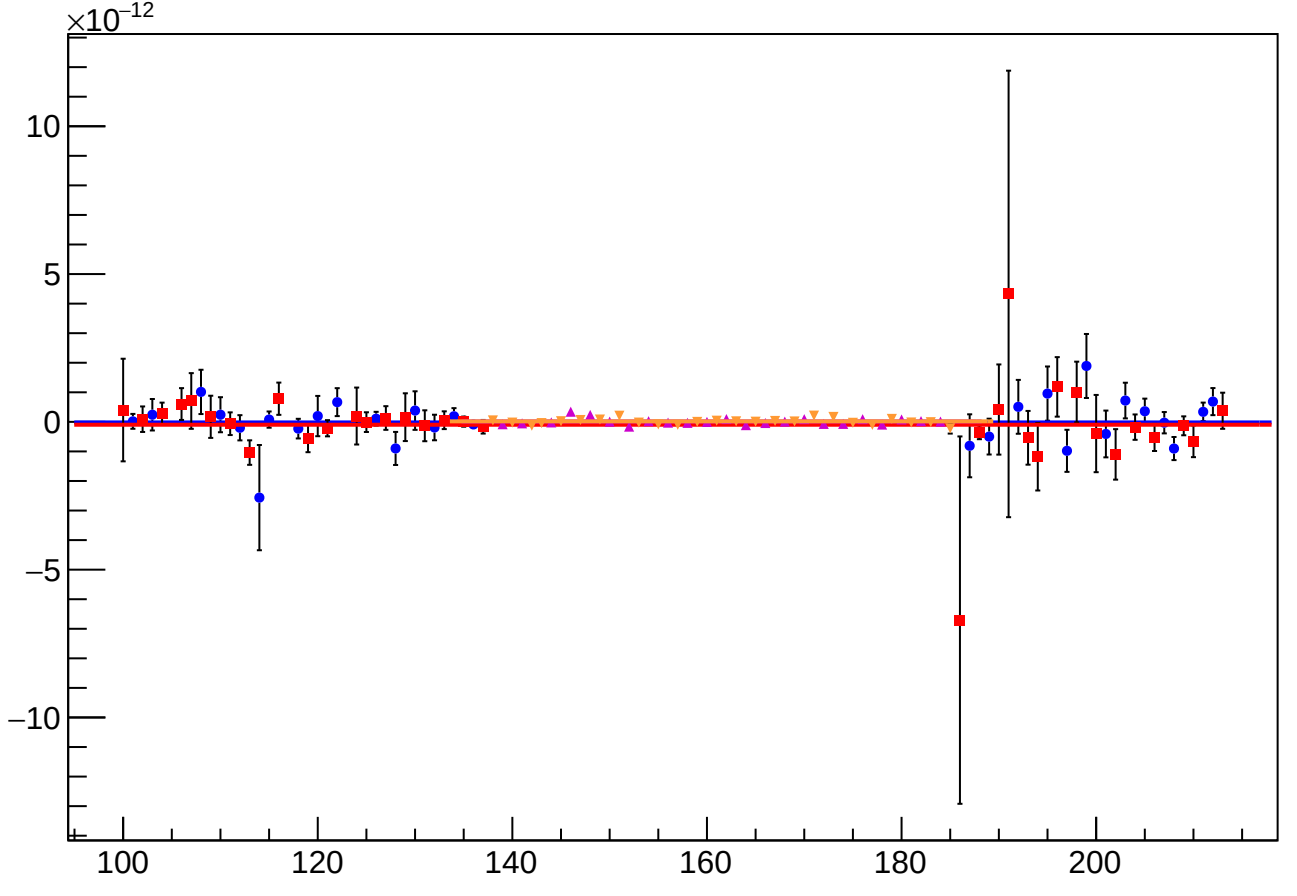
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4265.451+/-0.522 χ^2/NDF: 5742995.2/62

In: 2380.745+/-0.305 χ^2/NDF:10108716.7/51

Out: 2379.086+/-0.298 χ^2/NDF:12630972.9/58

All: 2379.897+/-0.213 χ^2/NDF: 22739704.7/



Right In: -0.000+/-0.000 χ^2/NDF: 30.9/28

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

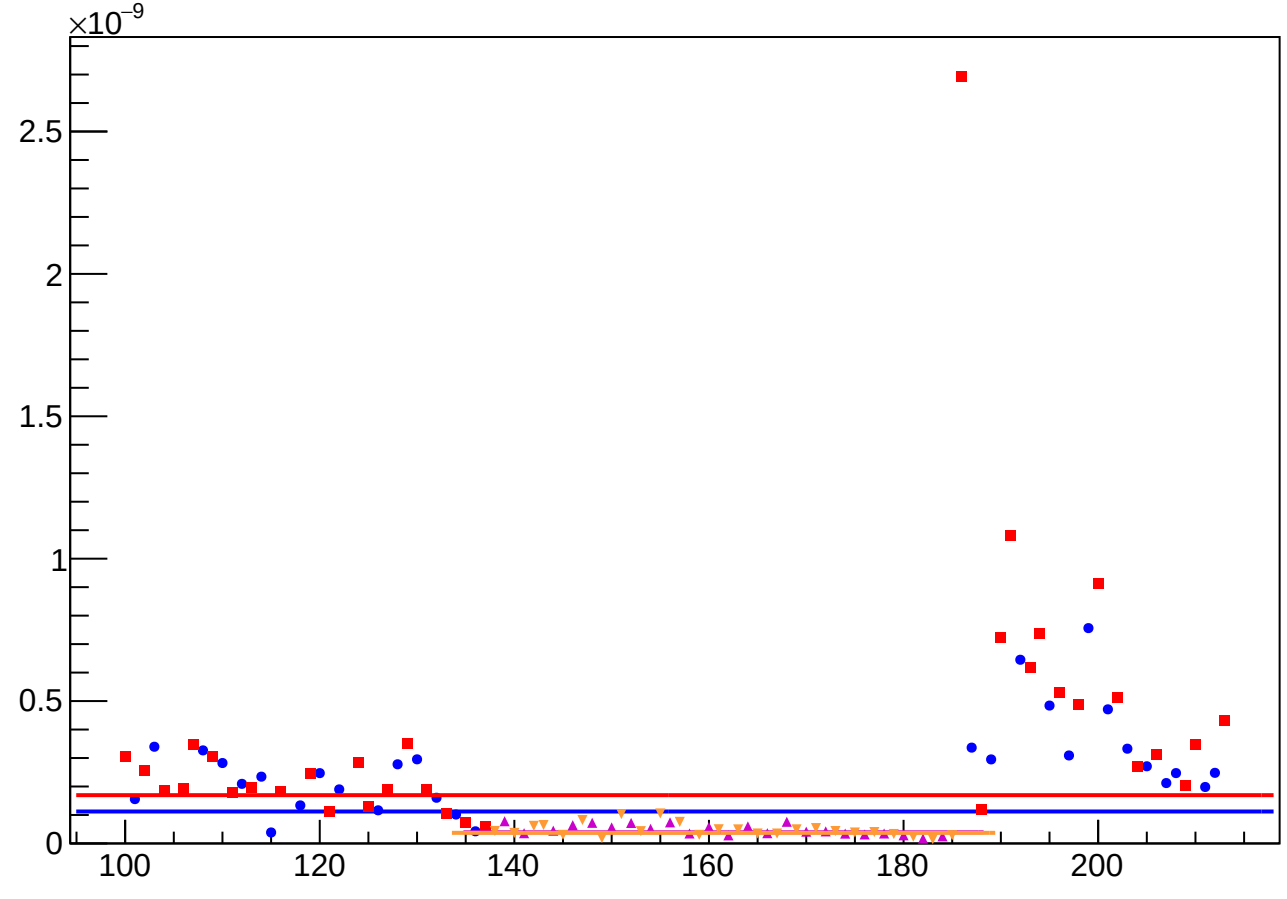
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 56.5/62

In: 0.000+/-0.000 χ^2/NDF:61.9/51

Out: 0.000+/-0.000 χ^2/NDF:48.5/58

All: 0.000+/-0.000 χ^2/NDF: 110.3/110



Right In: 0.000+/-0.000 χ^2/NDF: 6985158.6/28

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

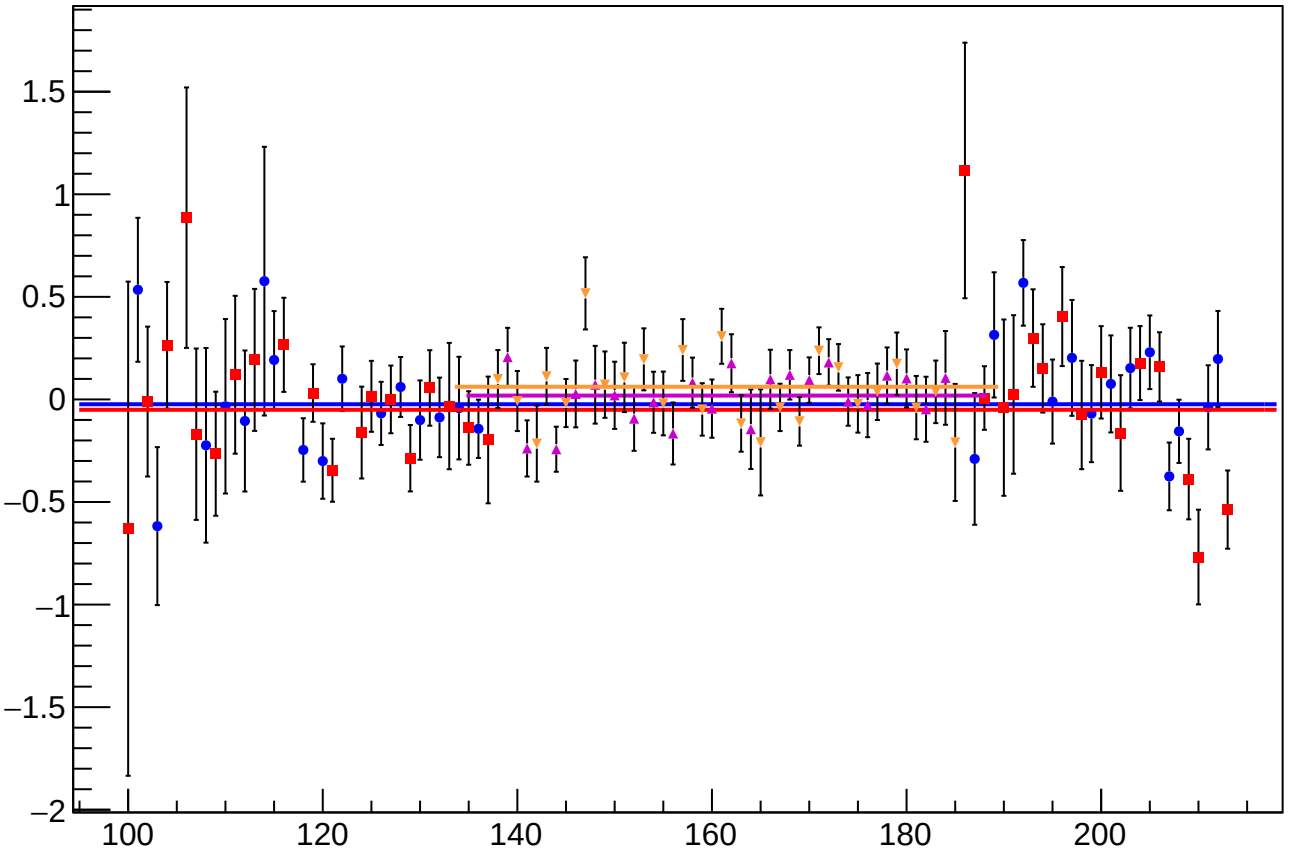
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 13523815.9/62

In: 0.000+/-0.000 χ^2/NDF:12056019.7/51

Out: 0.000+/-0.000 χ^2/NDF:14439124.8/58

All: 0.000+/-0.000 χ^2/NDF: 26511649.5/110



Right In: -0.023+/-0.039 χ^2/NDF: 33.0/28

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

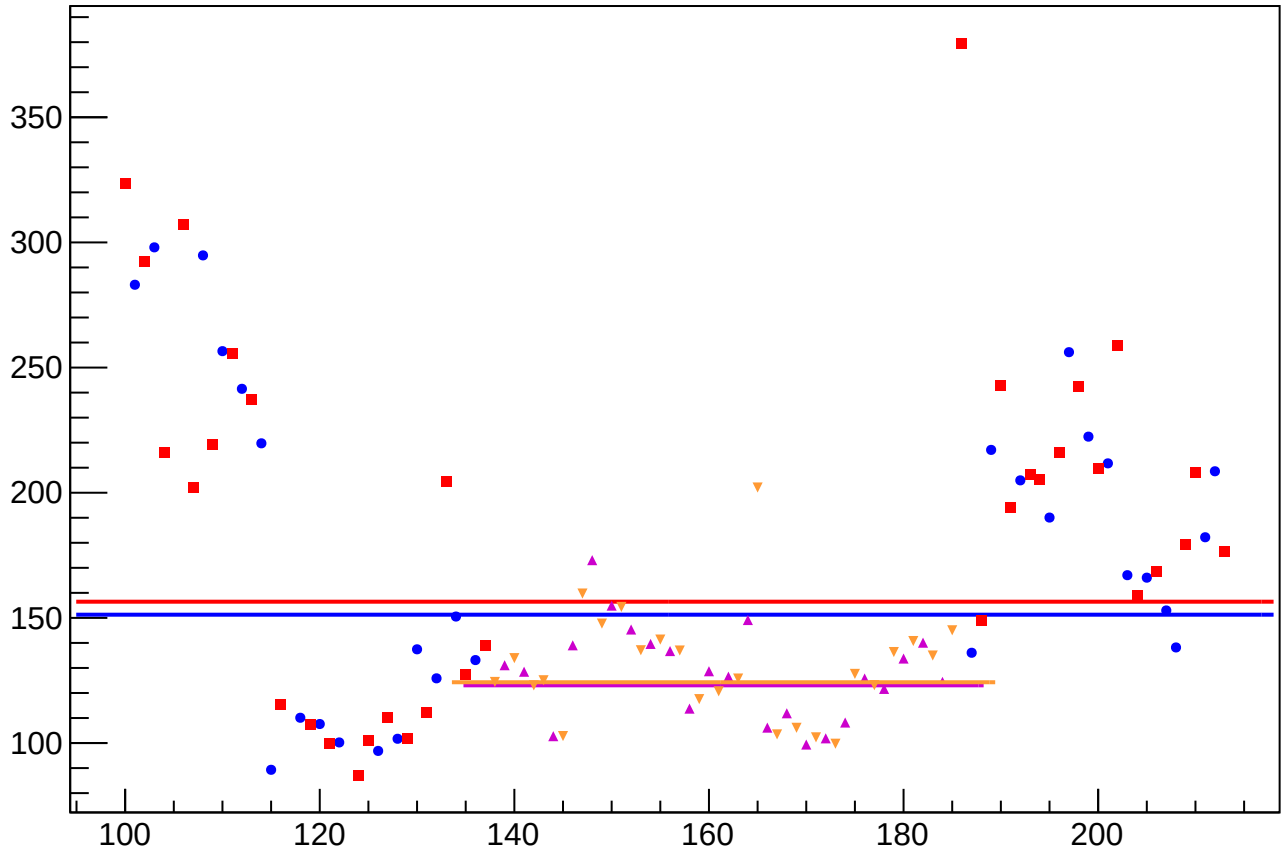
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.037+/-0.027 χ^2/NDF: 80.7/62

In: 0.003+/-0.023 χ^2/NDF:54.0/51

Out: 0.022+/-0.023 χ^2/NDF:80.3/58

All: 0.013+/-0.016 χ^2/NDF: 134.7/110



Right In: 151.279+/-0.027 χ^2/NDF: 3292001.6/28

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

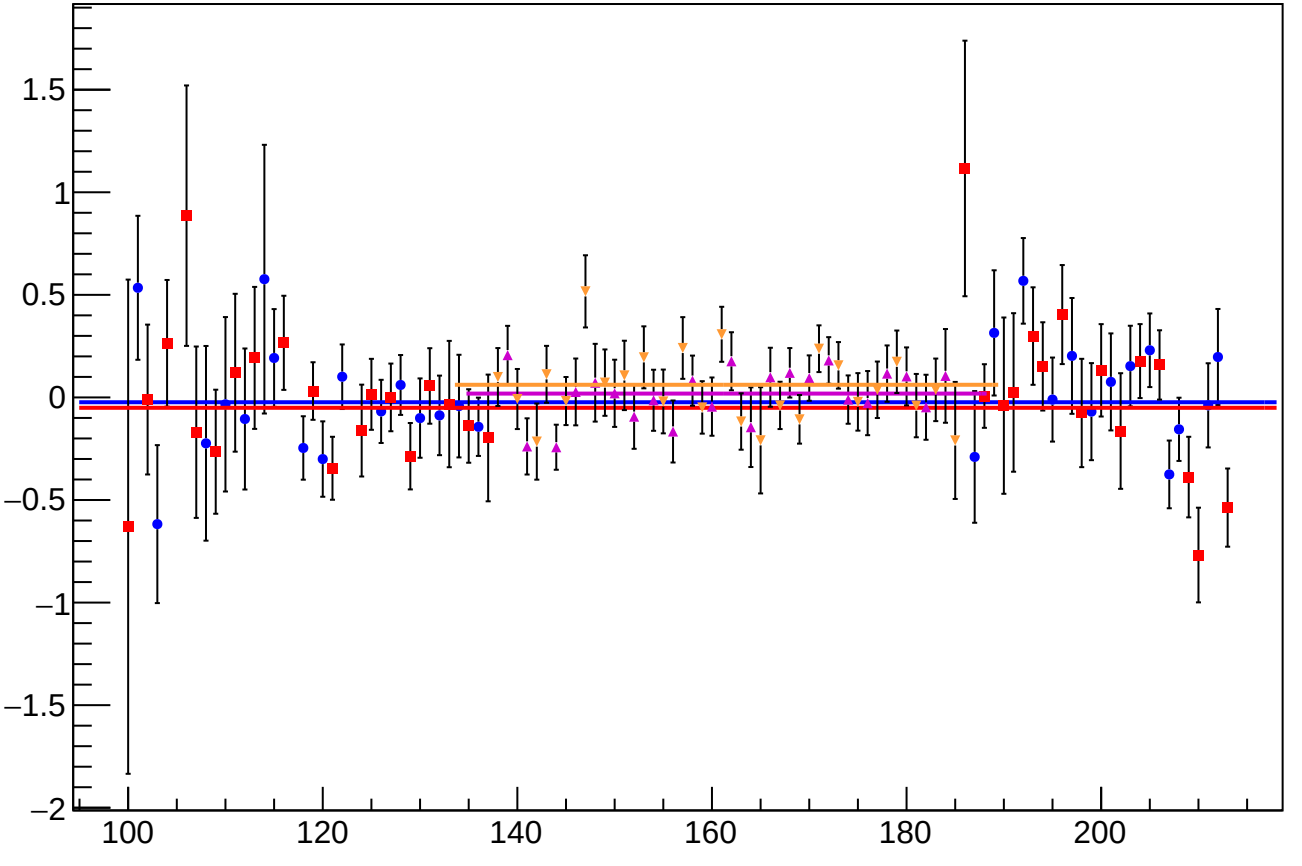
Right: 153.887+/-0.019 χ^2/NDF: 7174200.2/62

In: 133.343+/-0.017 χ^2/NDF:4685305.7/51

Out: 135.756+/-0.016 χ^2/NDF:5602002.0/58

All: 134.569+/-0.012 χ^2/NDF: 10298120.7/11

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.039 χ^2/NDF: 33.0/28

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

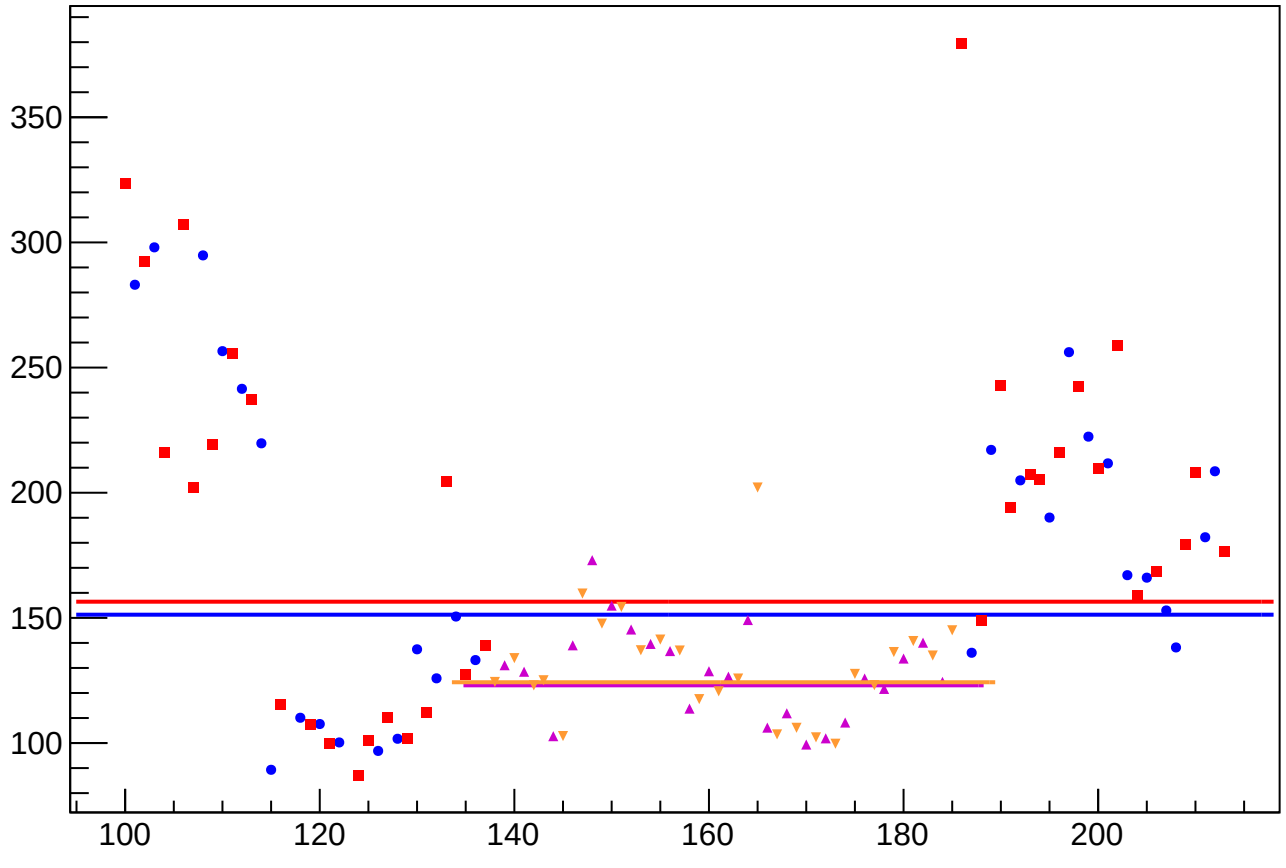
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.037+/-0.027 χ^2/NDF: 80.7/62

In: 0.003+/-0.023 χ^2/NDF:54.0/51

Out: 0.022+/-0.023 χ^2/NDF:80.3/58

All: 0.013+/-0.016 χ^2/NDF: 134.7/110



Right In: 151.279+/-0.027 χ^2/NDF: 3292001.6/28

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

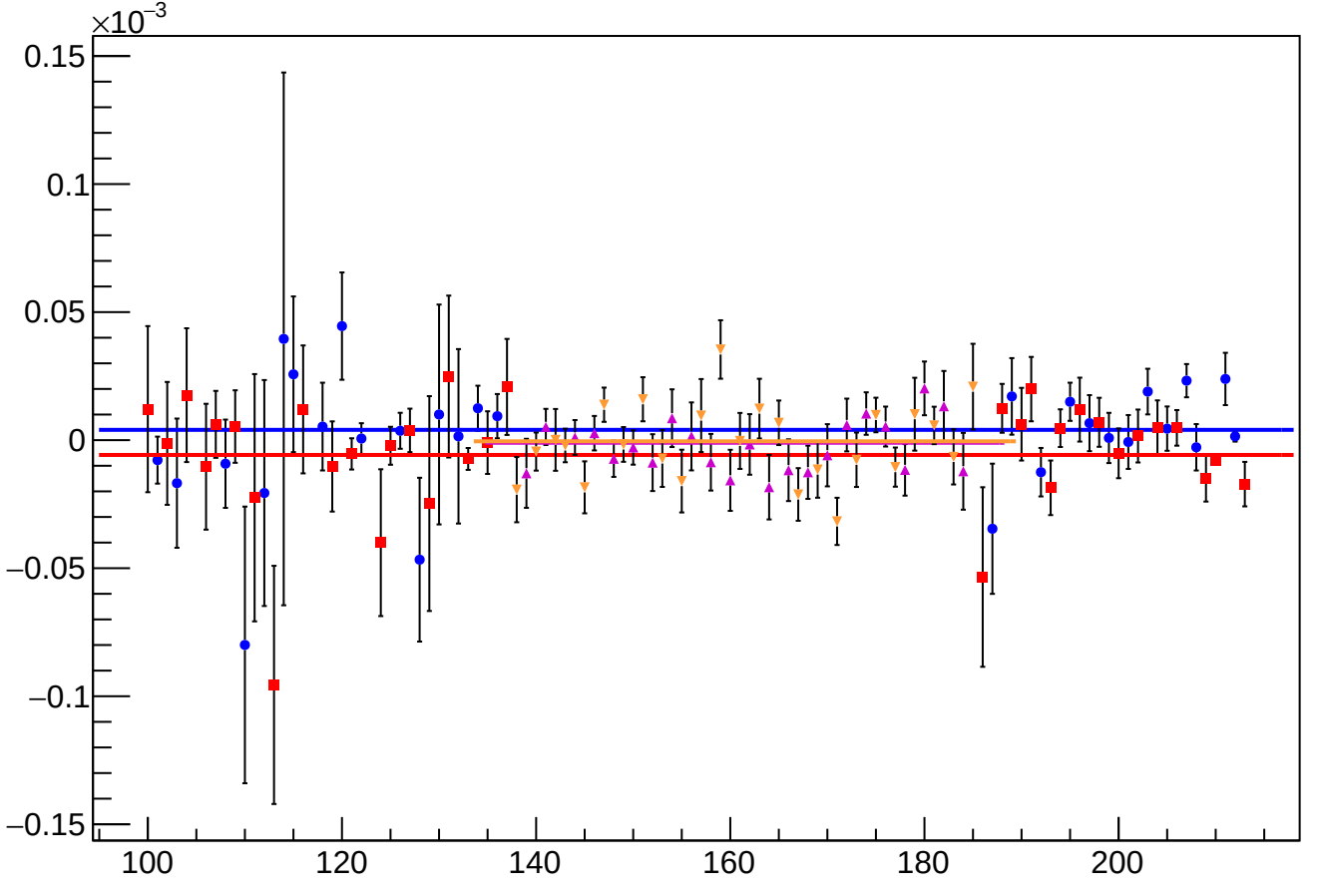
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 153.887+/-0.019 χ^2/NDF: 7174200.2/62

In: 133.343+/-0.017 χ^2/NDF:4685305.7/51

Out: 135.756+/-0.016 χ^2/NDF:5602002.0/58

All: 134.569+/-0.012 χ^2/NDF: 10298120.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 40.3/28

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

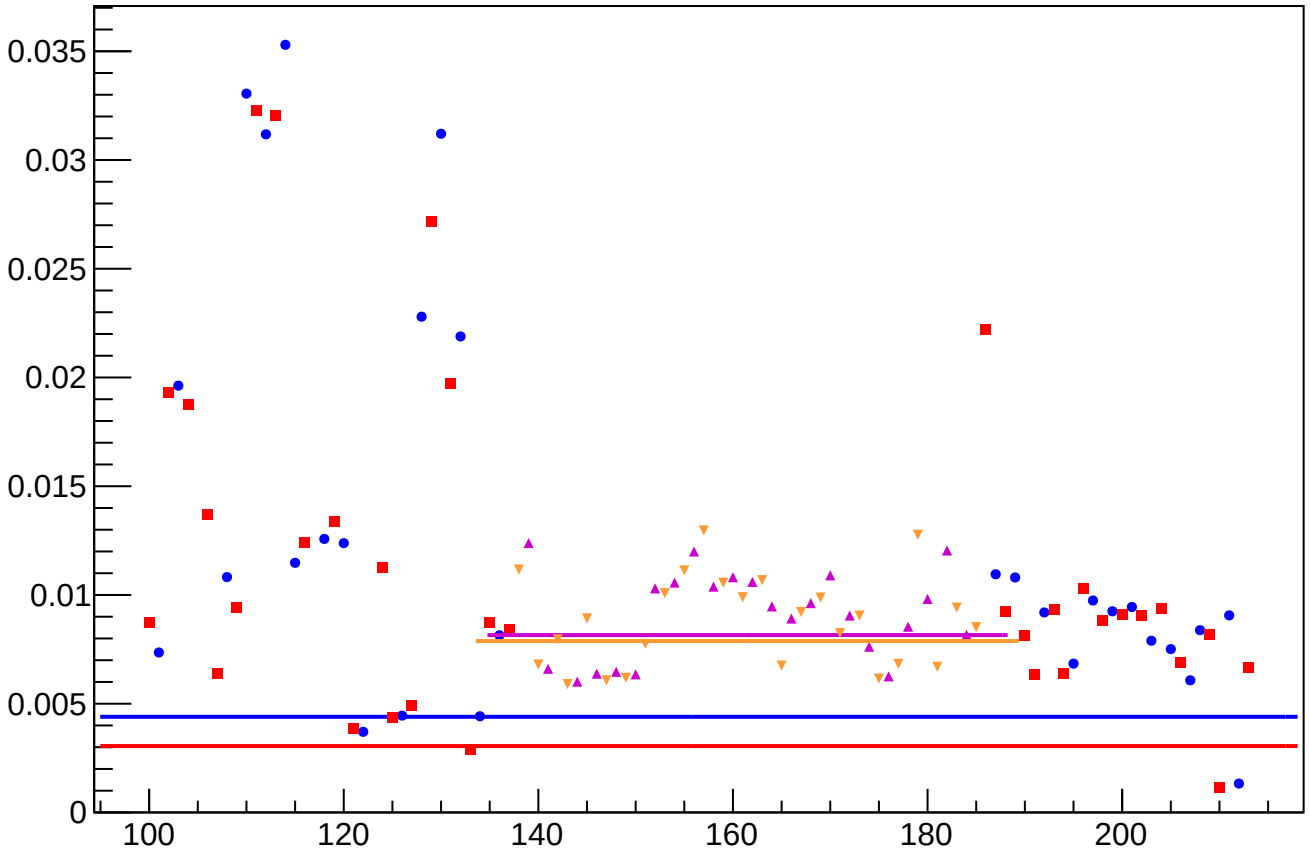
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: -0.000+/-0.000 χ^2/NDF: 110.0/62

In: 0.000+/-0.000 χ^2/NDF:64.5/51

Out: -0.000+/-0.000 χ^2/NDF:98.9/58

All: -0.000+/-0.000 χ^2/NDF: 183.4/110



Right In: 0.004+/-0.000 χ^2/NDF: 14602472.4/28

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

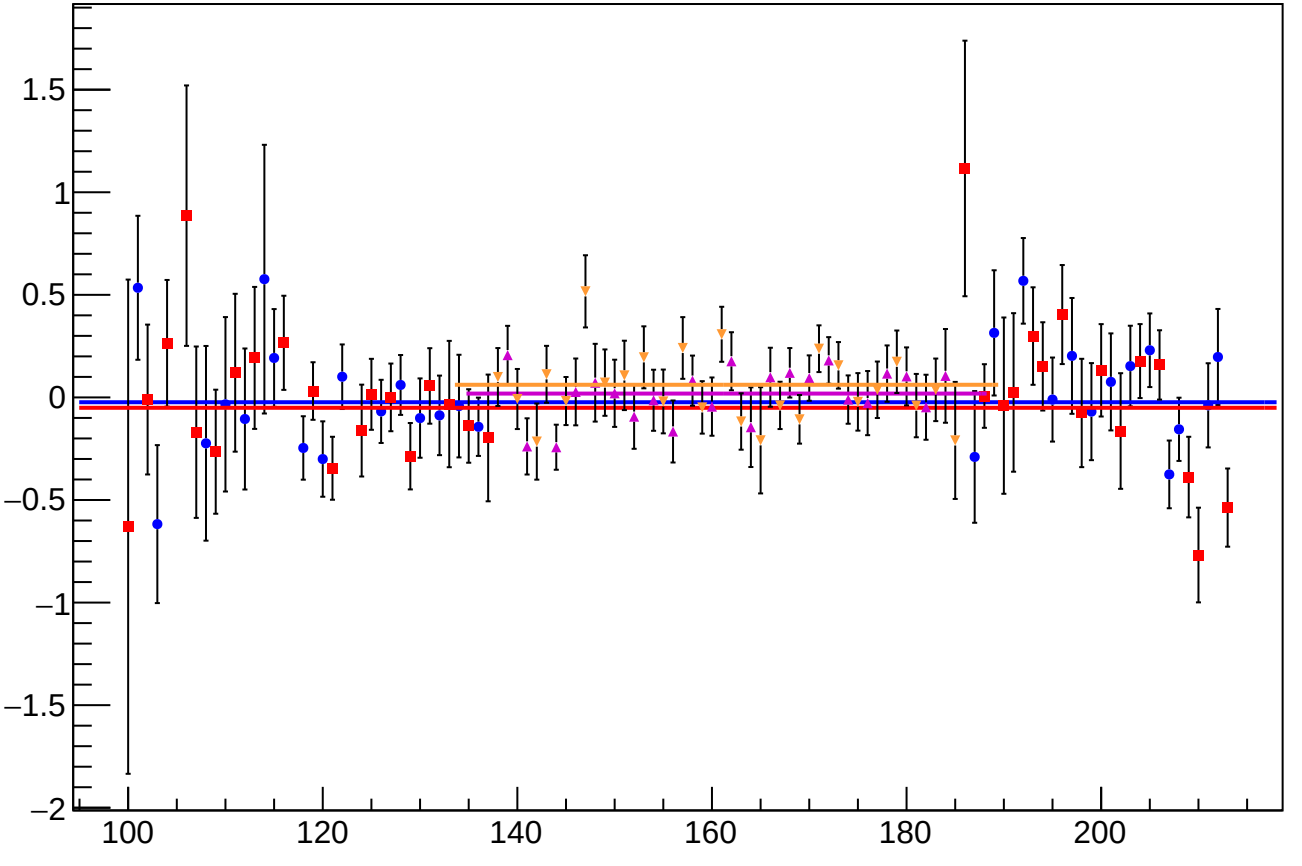
Right: 0.004+/-0.000 χ^2/NDF: 35183578.2/62

In: 0.006+/-0.000 χ^2/NDF:21296240.0/51

Out: 0.004+/-0.000 χ^2/NDF:31695942.7/58

All: 0.005+/-0.000 χ^2/NDF: 54830463.0/110

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.039 χ^2/NDF: 33.0/28

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

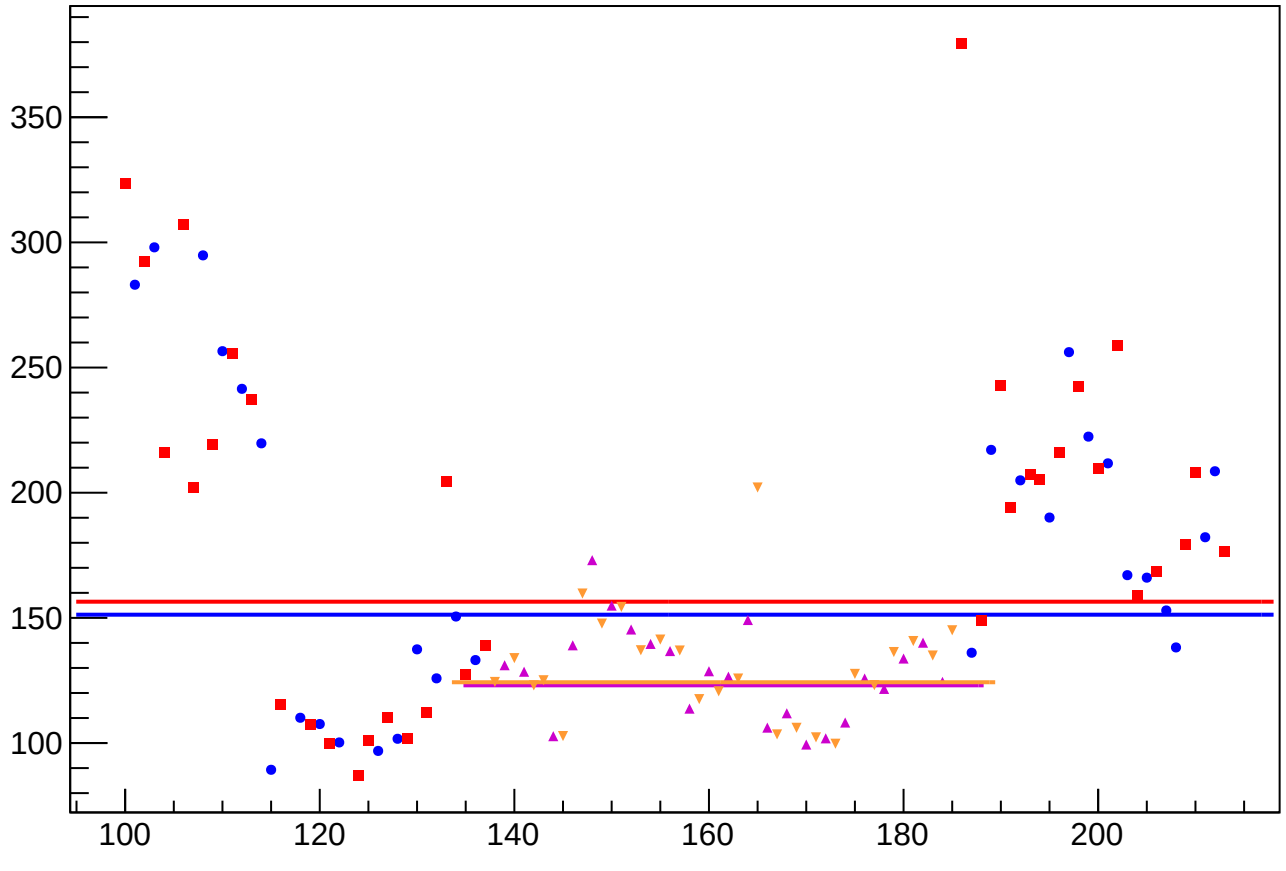
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.037+/-0.027 χ^2/NDF: 80.7/62

In: 0.003+/-0.023 χ^2/NDF:54.0/51

Out: 0.022+/-0.023 χ^2/NDF:80.3/58

All: 0.013+/-0.016 χ^2/NDF: 134.7/110



Right In: 151.276+/-0.027 χ^2/NDF: 3292080.0/28

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

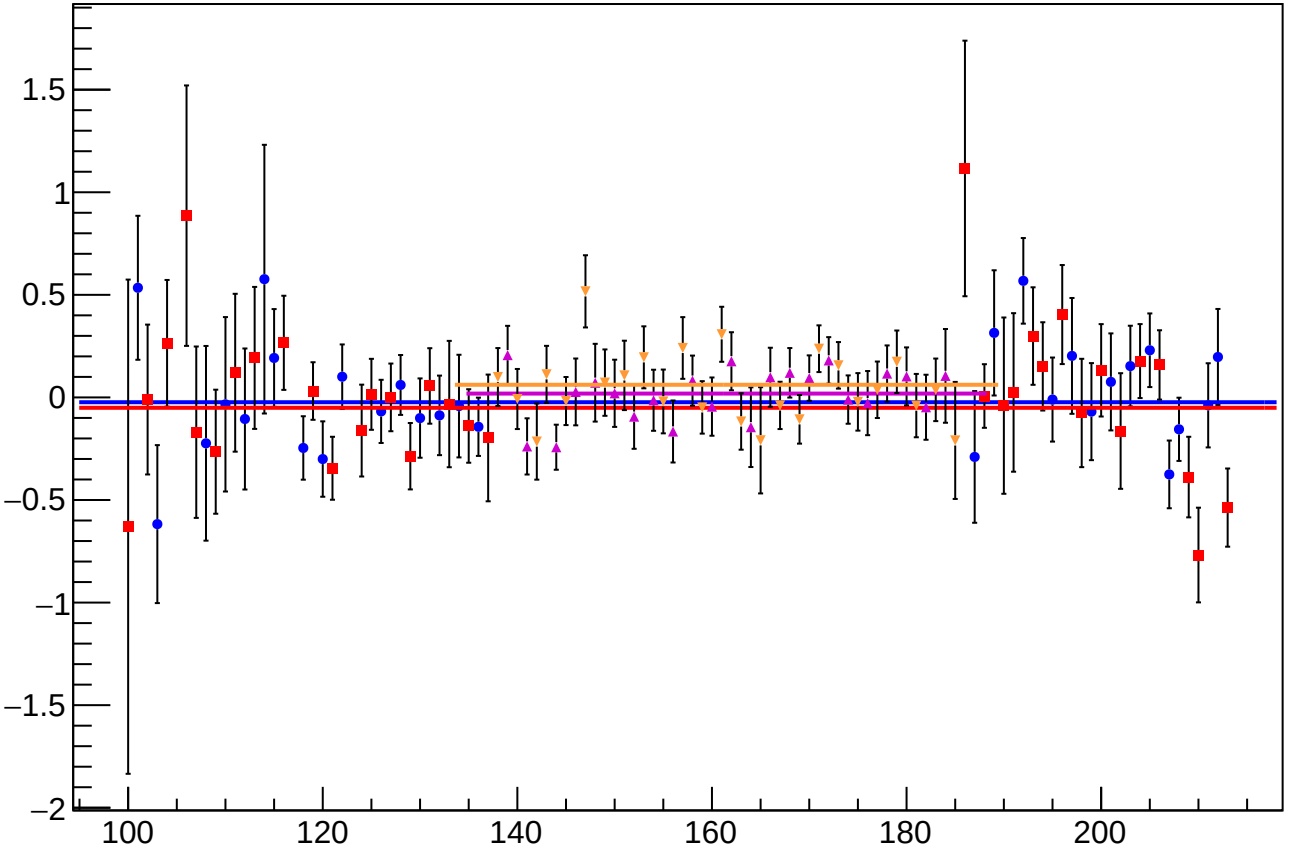
Right: 153.885+/-0.019 χ^2/NDF: 7174420.5/62

In: 133.343+/-0.017 χ^2/NDF:4685322.6/51

Out: 135.755+/-0.016 χ^2/NDF:5602086.7/58

All: 134.568+/-0.012 χ^2/NDF: 10298223.1/11

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.039 χ^2/NDF: 33.0/28

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

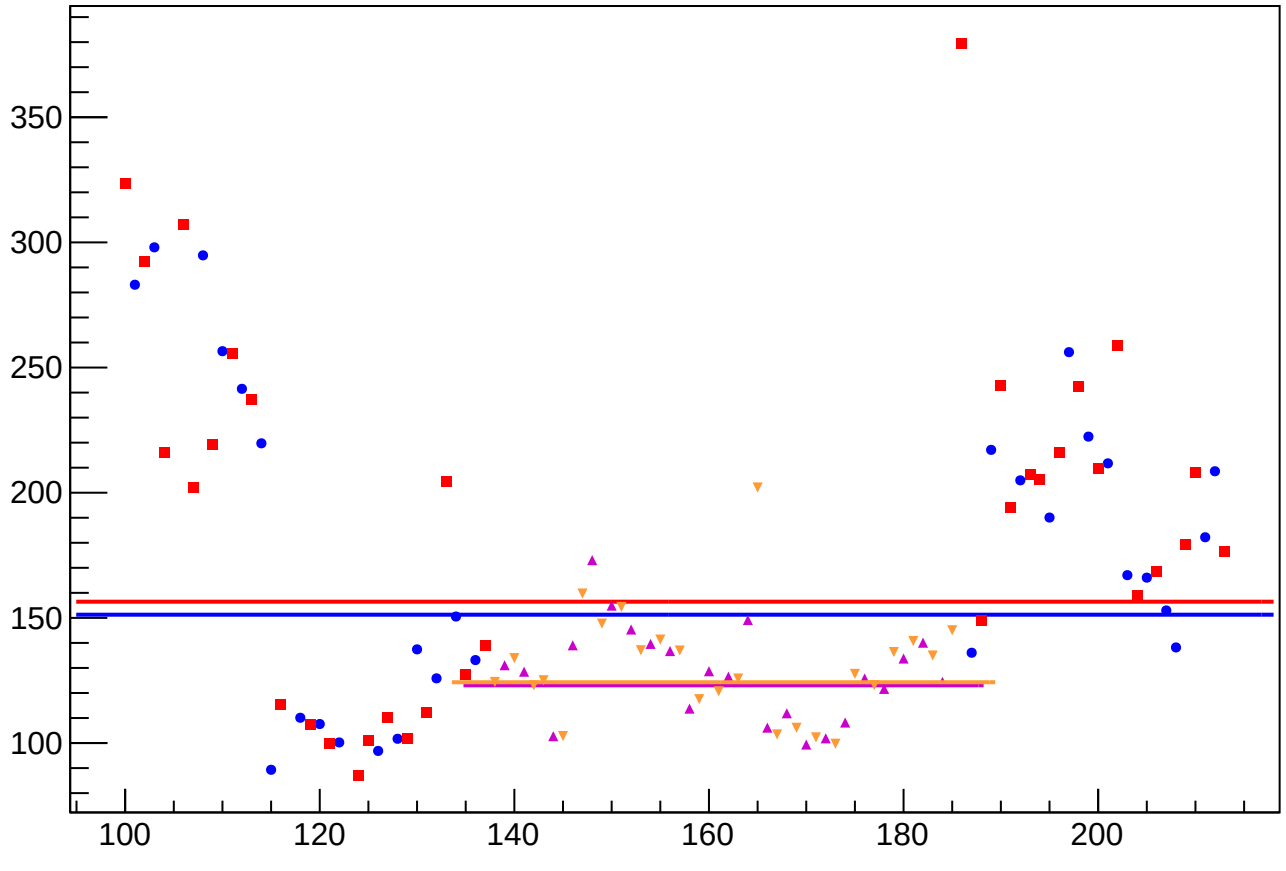
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.037+/-0.027 χ^2/NDF: 80.7/62

In: 0.003+/-0.023 χ^2/NDF:54.0/51

Out: 0.022+/-0.023 χ^2/NDF:80.3/58

All: 0.013+/-0.016 χ^2/NDF: 134.7/110



Right In: 151.276+/-0.027 χ^2/NDF: 3292080.0/28

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

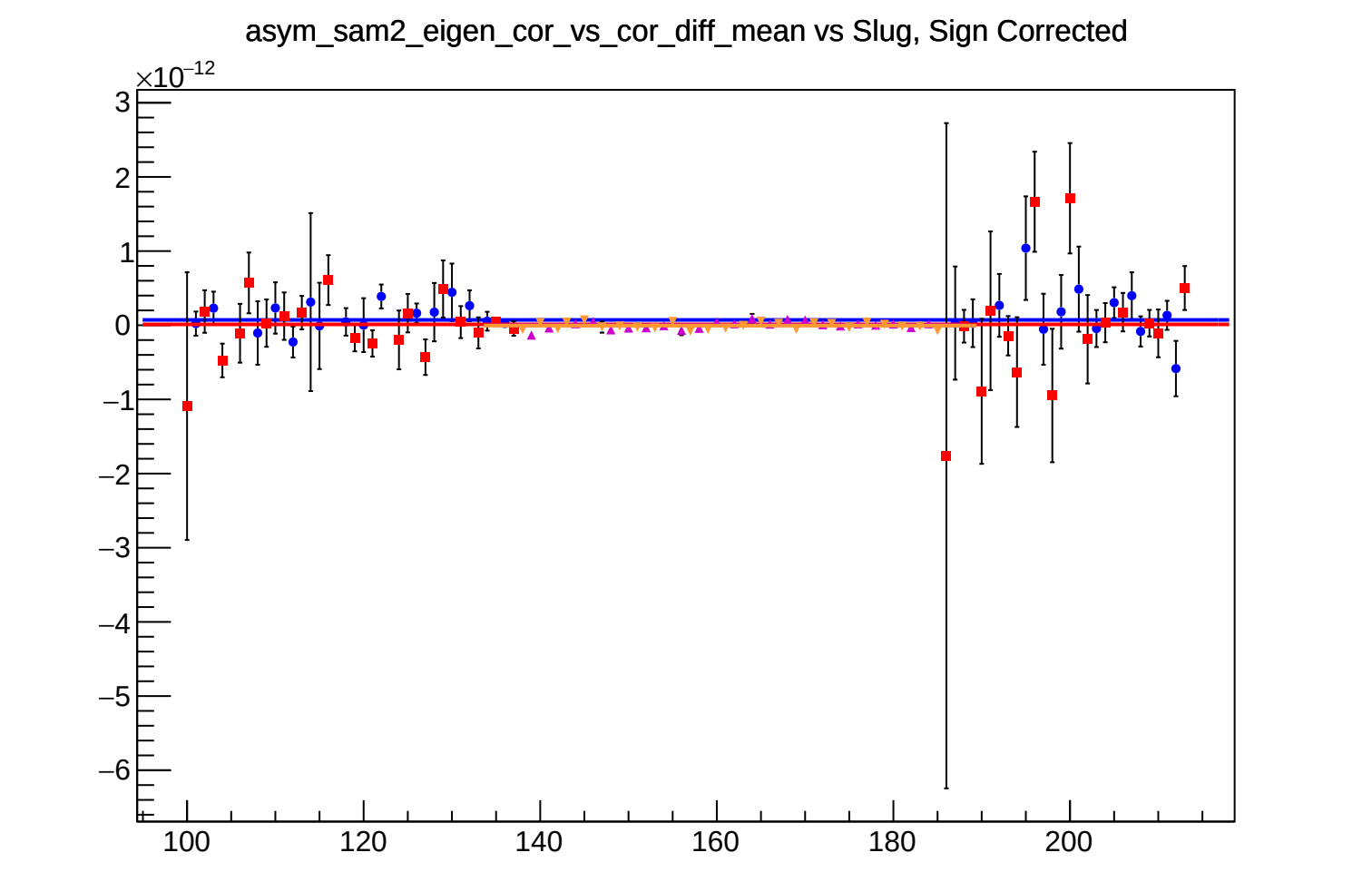
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 153.885+/-0.019 χ^2/NDF: 7174420.5/62

In: 133.343+/-0.017 χ^2/NDF:4685322.6/51

Out: 135.755+/-0.016 χ^2/NDF:5602086.7/58

All: 134.568+/-0.012 χ^2/NDF: 10298223.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 19.5/28

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.7/33

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: -0.000+/-0.000 χ^2/NDF: 49.3/47

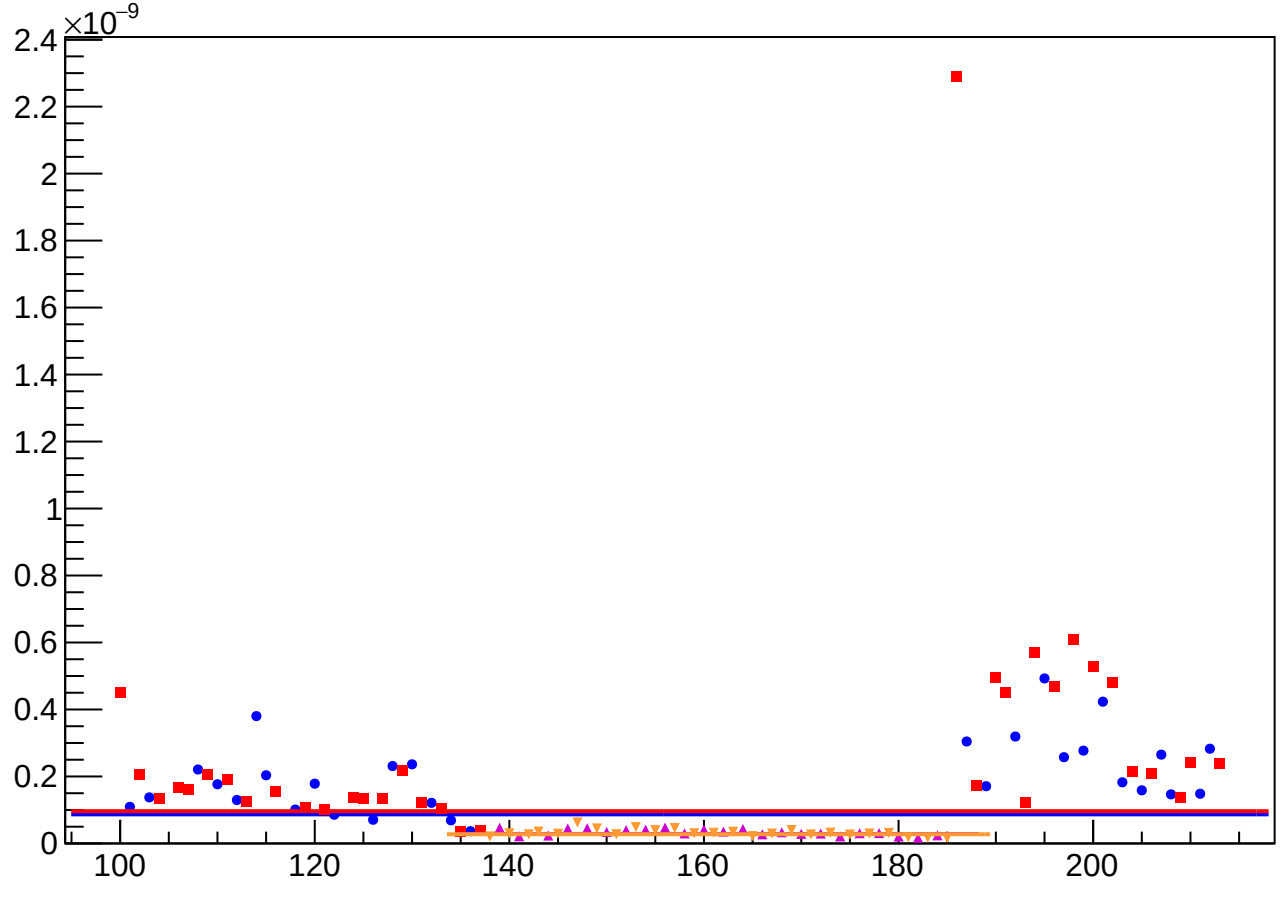
Right: 0.000+/-0.000 χ^2/NDF: 59.7/62

In: 0.000+/-0.000 χ^2/NDF:48.5/51

Out: -0.000+/-0.000 χ^2/NDF:63.4/58

All: -0.000+/-0.000 χ^2/NDF: 112.5/110

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8689445.4/28

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

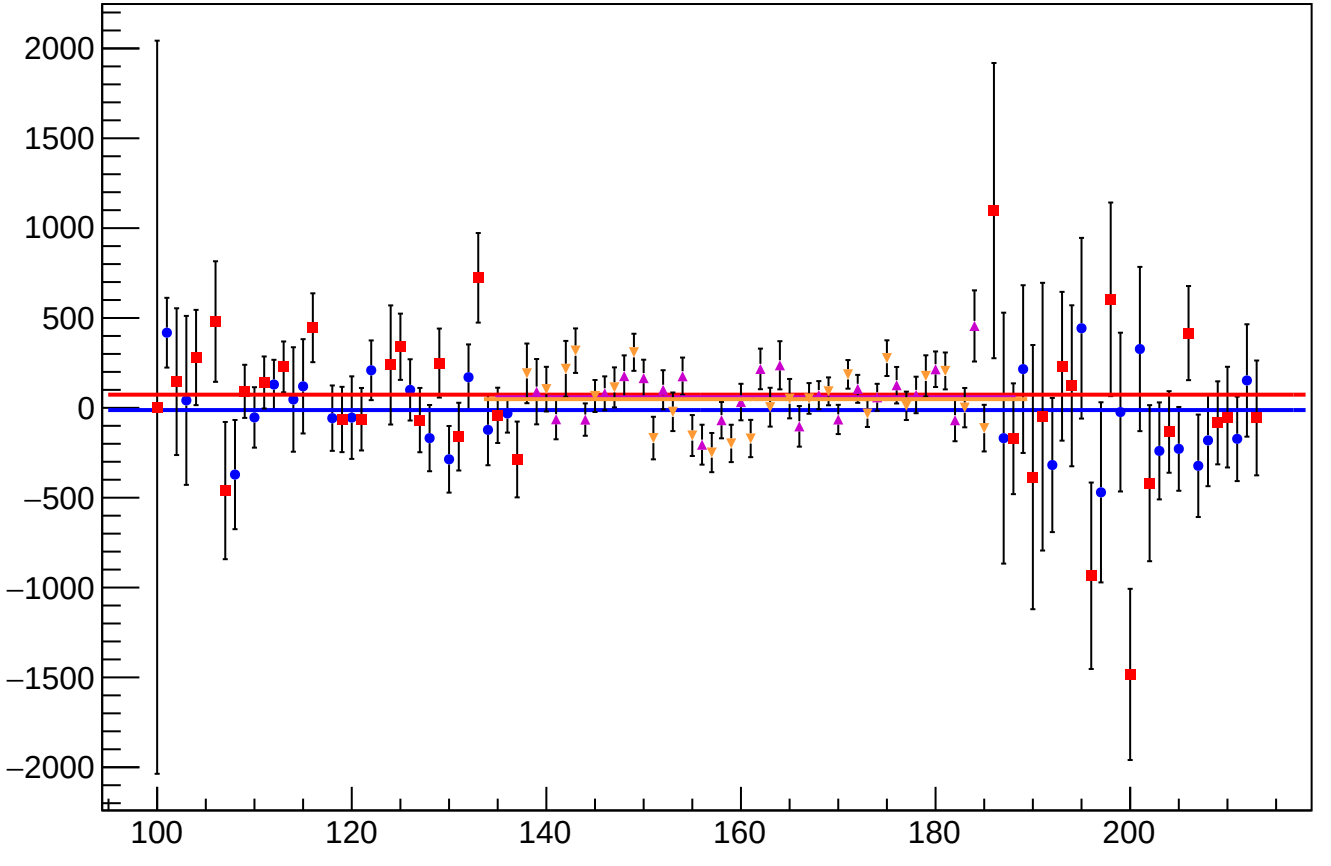
Right: 0.000+/-0.000 χ^2/NDF: 19694498.2/62

In: 0.000+/-0.000 χ^2/NDF:16736517.5/51

Out: 0.000+/-0.000 χ^2/NDF:20305728.1/58

All: 0.000+/-0.000 χ^2/NDF: 37058264.2/110

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: -12.379+/-40.874 χ^2/NDF: 21.4/28

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

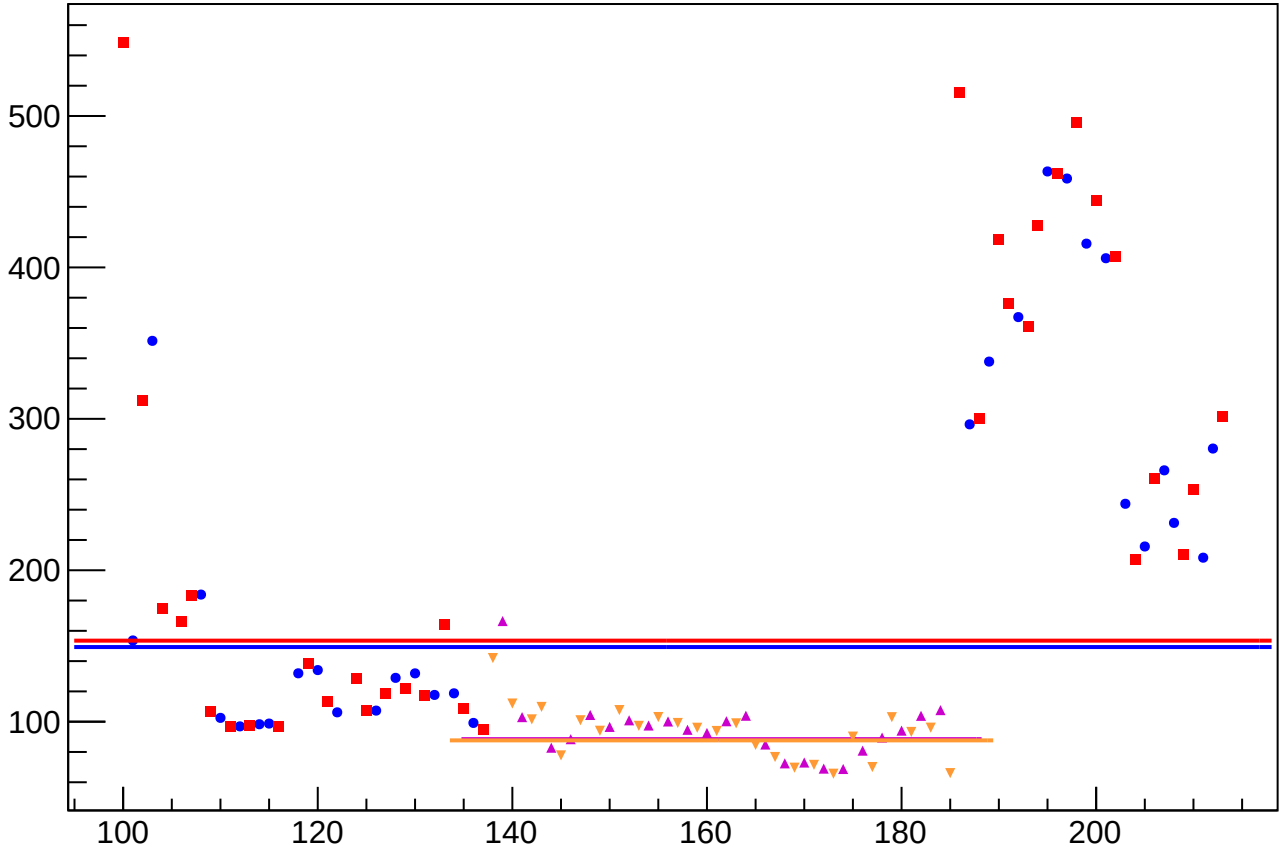
Right: 30.349+/-28.947 χ^2/NDF: 72.5/62

In: 43.929+/-18.788 χ^2/NDF:54.4/51

Out: 53.352+/-18.281 χ^2/NDF:102.8/58

All: 48.770+/-13.102 χ^2/NDF: 157.3/110

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 149.290+/-0.029 χ^2/NDF: 7278679.6/28

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

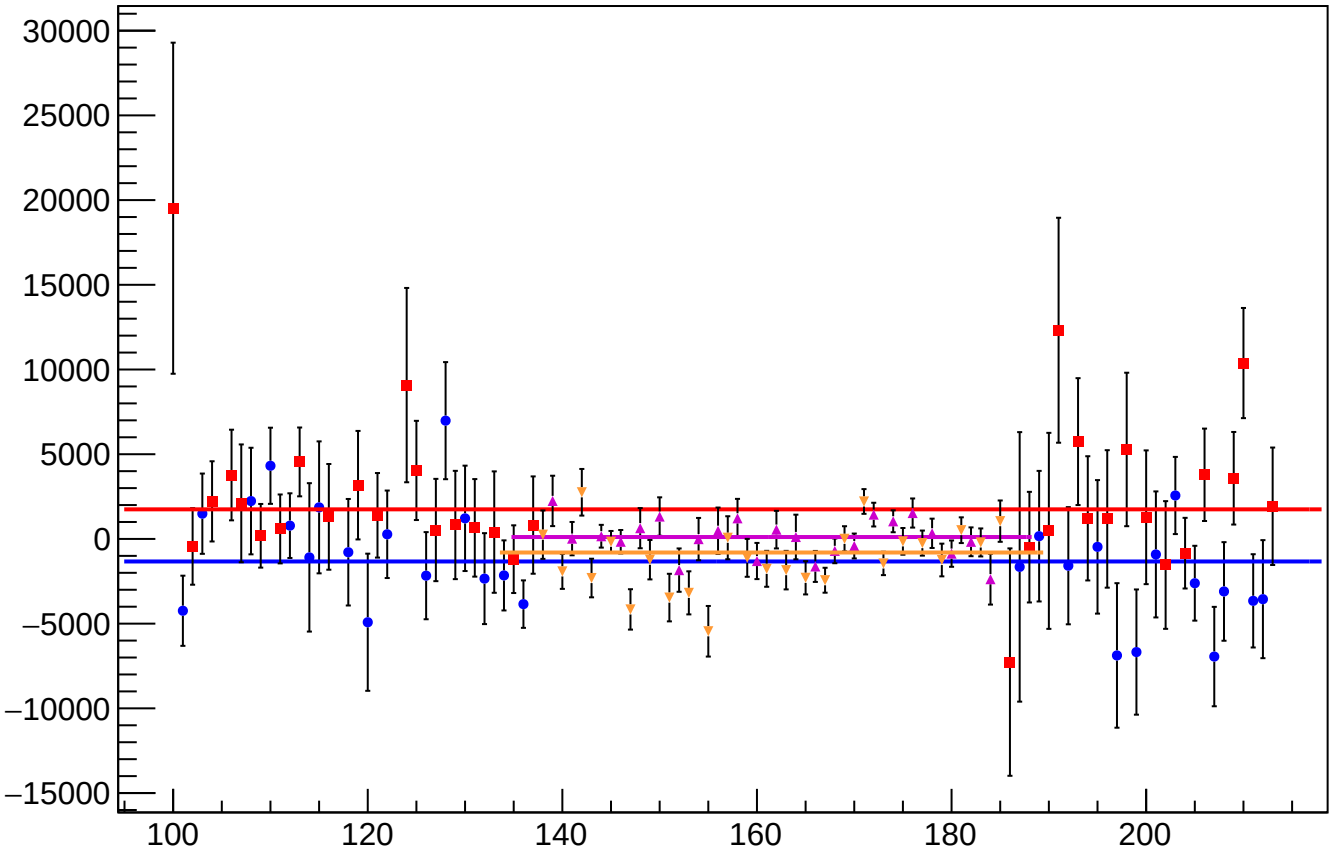
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 151.398+/-0.020 χ^2/NDF: 16197779.8/62

In: 101.331+/-0.013 χ^2/NDF:11845432.7/51

Out: 100.749+/-0.013 χ^2/NDF:14256589.1/58

All: 101.032+/-0.009 χ^2/NDF: 26103008.2/11



Right In: -1330.389+/-505.512 χ^2/NDF: 36.6/28

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1746.282+/-506.700 χ^2/NDF: 30.1/33

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

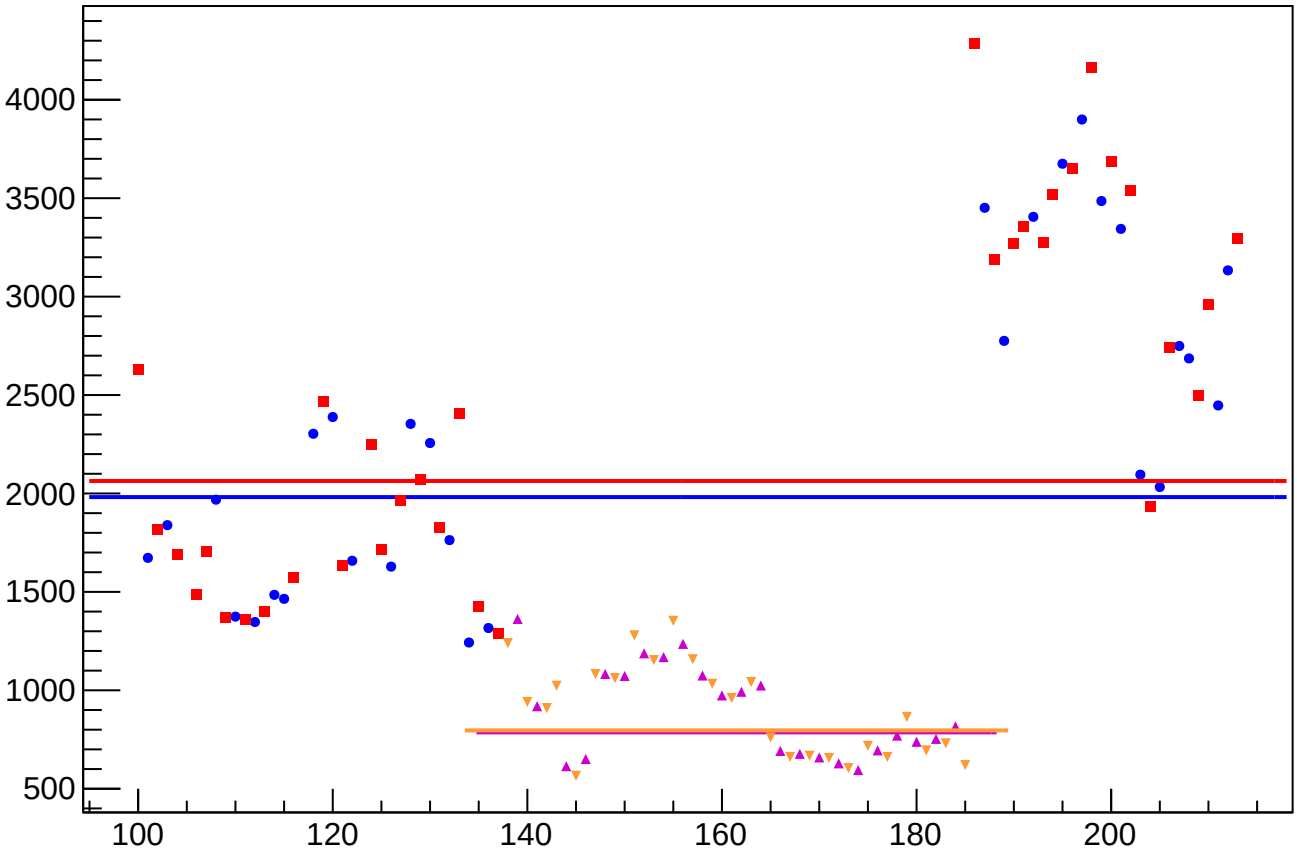
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 204.335+/-357.870 χ^2/NDF: 85.2/62

In: -66.562+/-178.073 χ^2/NDF:70.8/51

Out: -493.919+/-176.057 χ^2/NDF:124.2/58

All: -282.673+/-125.198 χ^2/NDF: 197.9/110



Right In: 1981.619+/-0.357 χ^2/NDF: 3749049.1/28

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

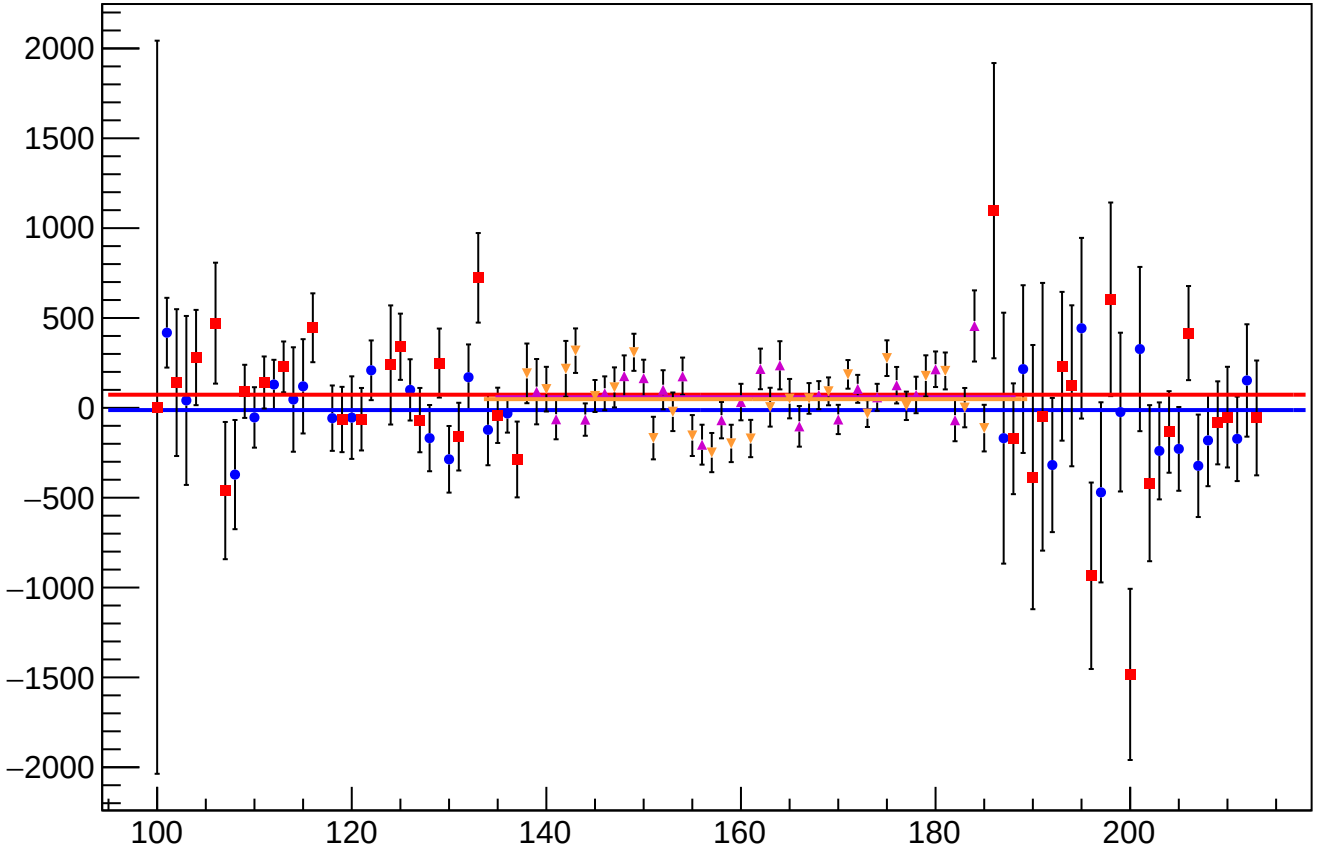
Right: 2022.428+/-0.253 χ^2/NDF: 8363580.1/62

In: 934.658+/-0.126 χ^2/NDF:15699823.4/51

Out: 949.473+/-0.124 χ^2/NDF:17999858.1/58

All: 942.150+/-0.089 χ^2/NDF: 33706682.6/1

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -12.393+/-40.874 χ^2/NDF: 21.4/28

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

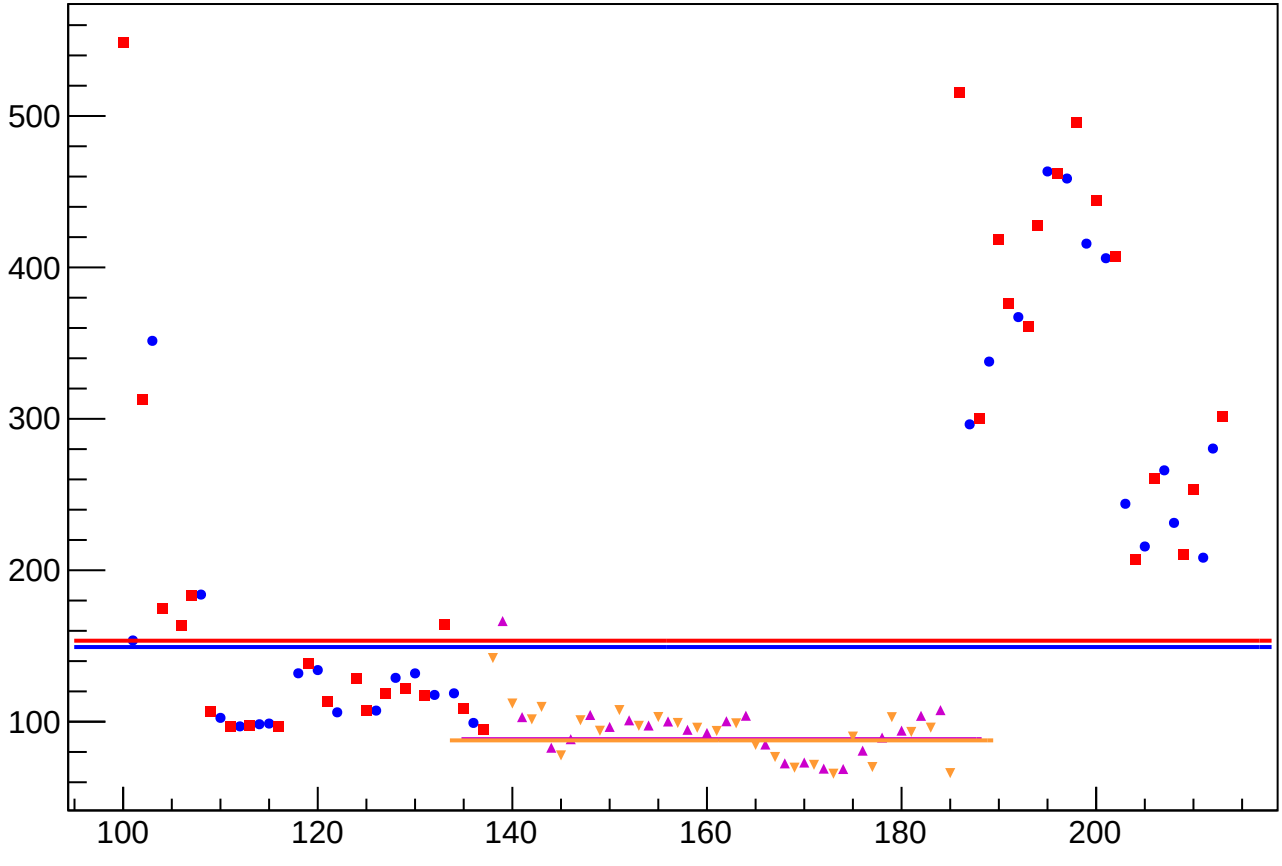
Right: 30.226+/-28.948 χ^2/NDF: 72.4/62

In: 43.928+/-18.788 χ^2/NDF:54.4/51

Out: 53.312+/-18.281 χ^2/NDF:102.7/58

All: 48.748+/-13.102 χ^2/NDF: 157.3/110

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 149.290+/-0.029 χ^2/NDF: 7278682.1/28

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

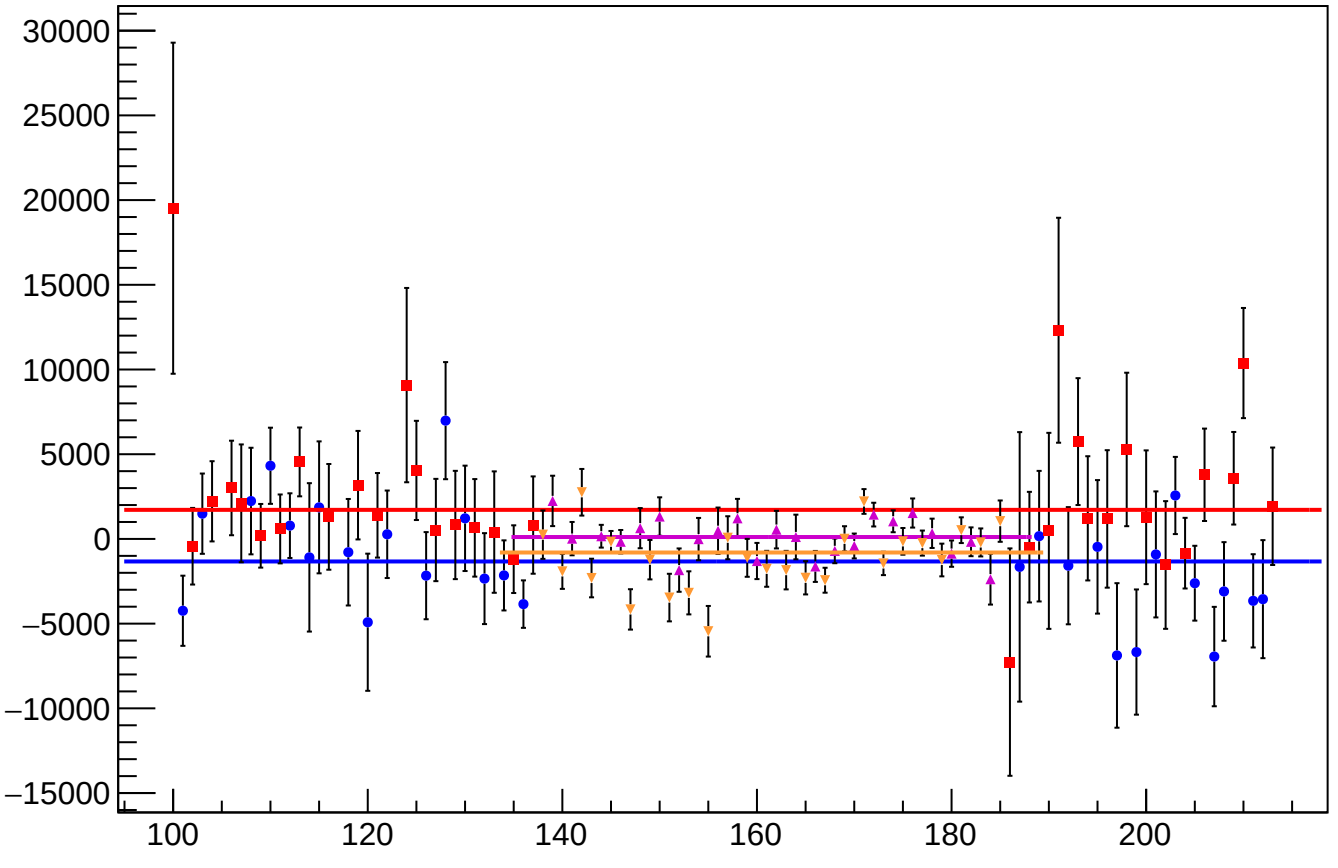
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 151.379+/-0.020 χ^2/NDF: 16196739.7/62

In: 101.331+/-0.013 χ^2/NDF:11845434.5/51

Out: 100.740+/-0.013 χ^2/NDF:14250652.2/58

All: 101.027+/-0.009 χ^2/NDF: 26097102.3/11



Right In: -1330.383+/-505.515 χ^2/NDF: 36.6/28

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

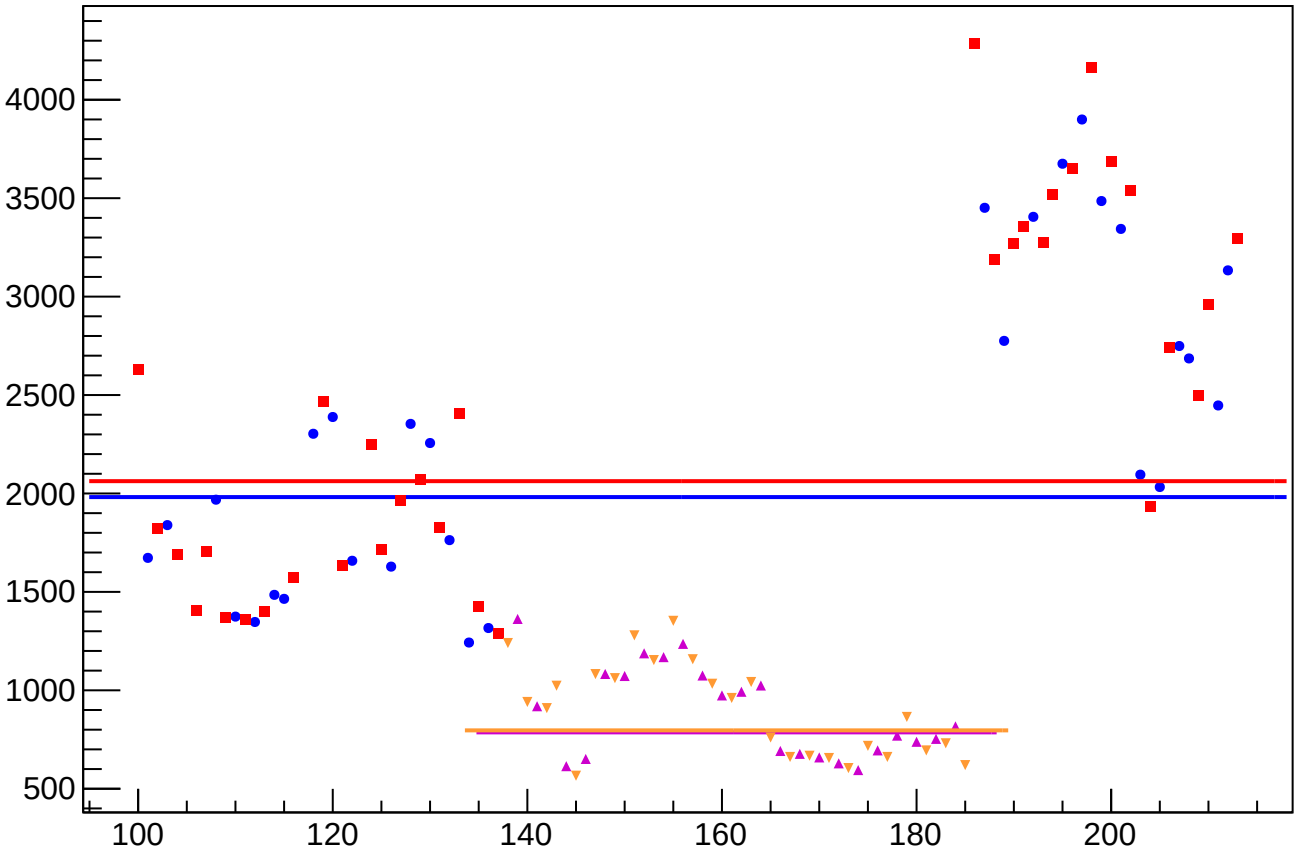
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 186.978+/-358.138 χ^2/NDF: 84.4/62

In: -66.558+/-178.073 χ^2/NDF:70.8/51

Out: -498.363+/-176.089 χ^2/NDF:123.3/58

All: -284.880+/-125.209 χ^2/NDF: 197.0/110



Right In: 1981.629+/-0.357 χ^2/NDF: 3749033.3/28

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

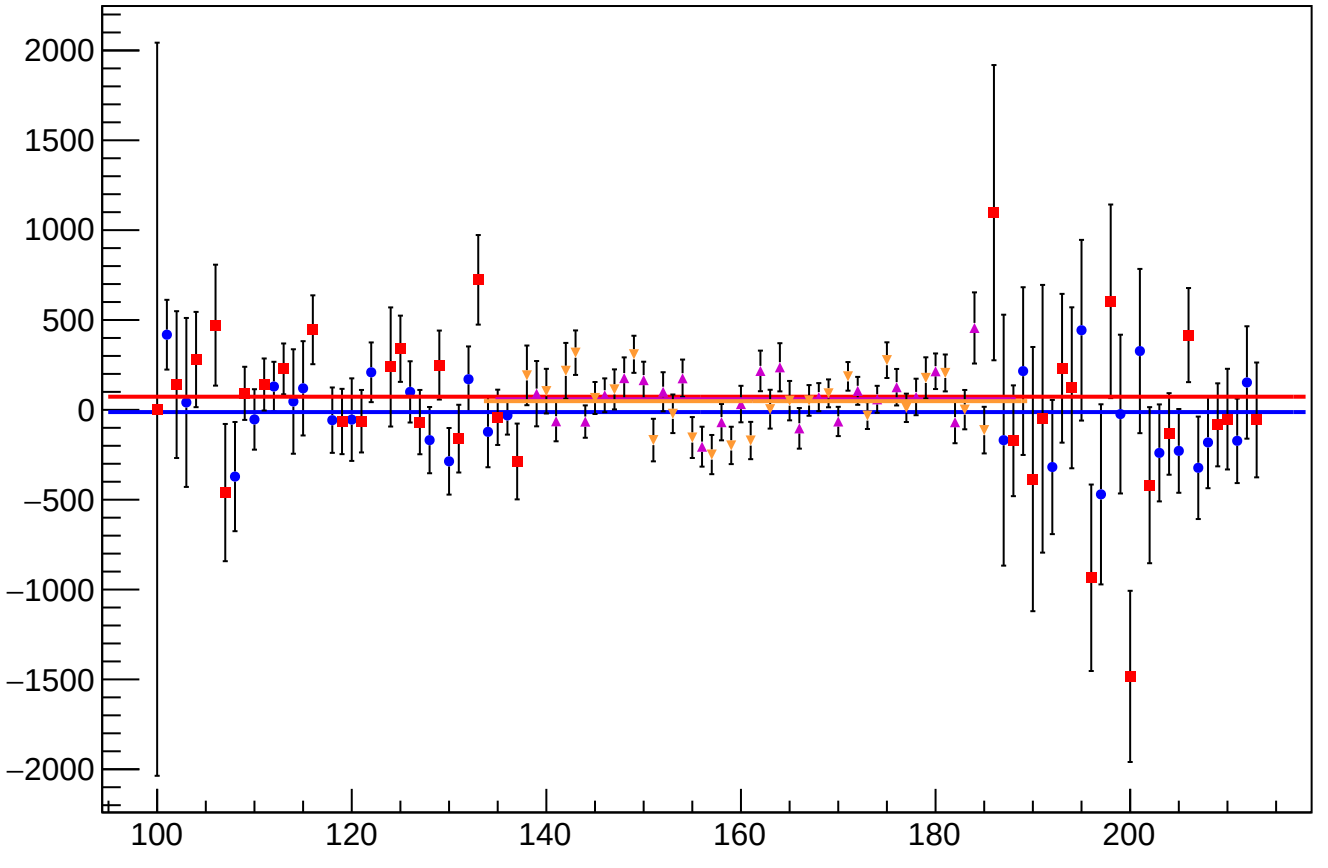
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 2021.920+/-0.253 χ^2/NDF: 8380786.1/62

In: 934.658+/-0.126 χ^2/NDF:15699881.5/51

Out: 948.962+/-0.125 χ^2/NDF:17973092.9/58

All: 941.890+/-0.089 χ^2/NDF: 33679499.1/11



Right In: -12.393+/-40.874 χ^2/NDF: 21.4/28

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

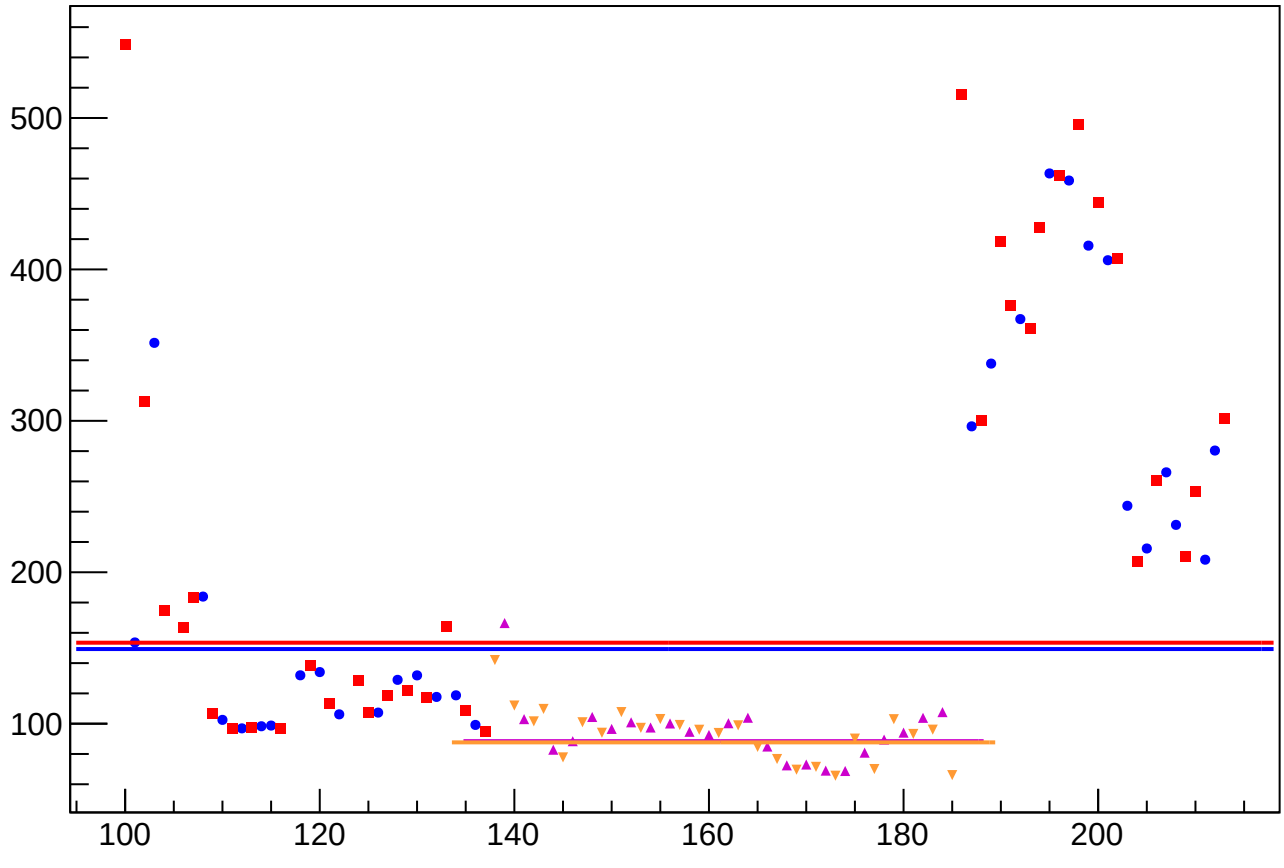
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 30.226+/-28.948 χ^2/NDF: 72.4/62

In: 43.928+/-18.788 χ^2/NDF:54.4/51

Out: 53.312+/-18.281 χ^2/NDF:102.7/58

All: 48.748+/-13.102 χ^2/NDF: 157.3/110



Right In: 149.290+/-0.029 χ^2/NDF: 7278682.1/28

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

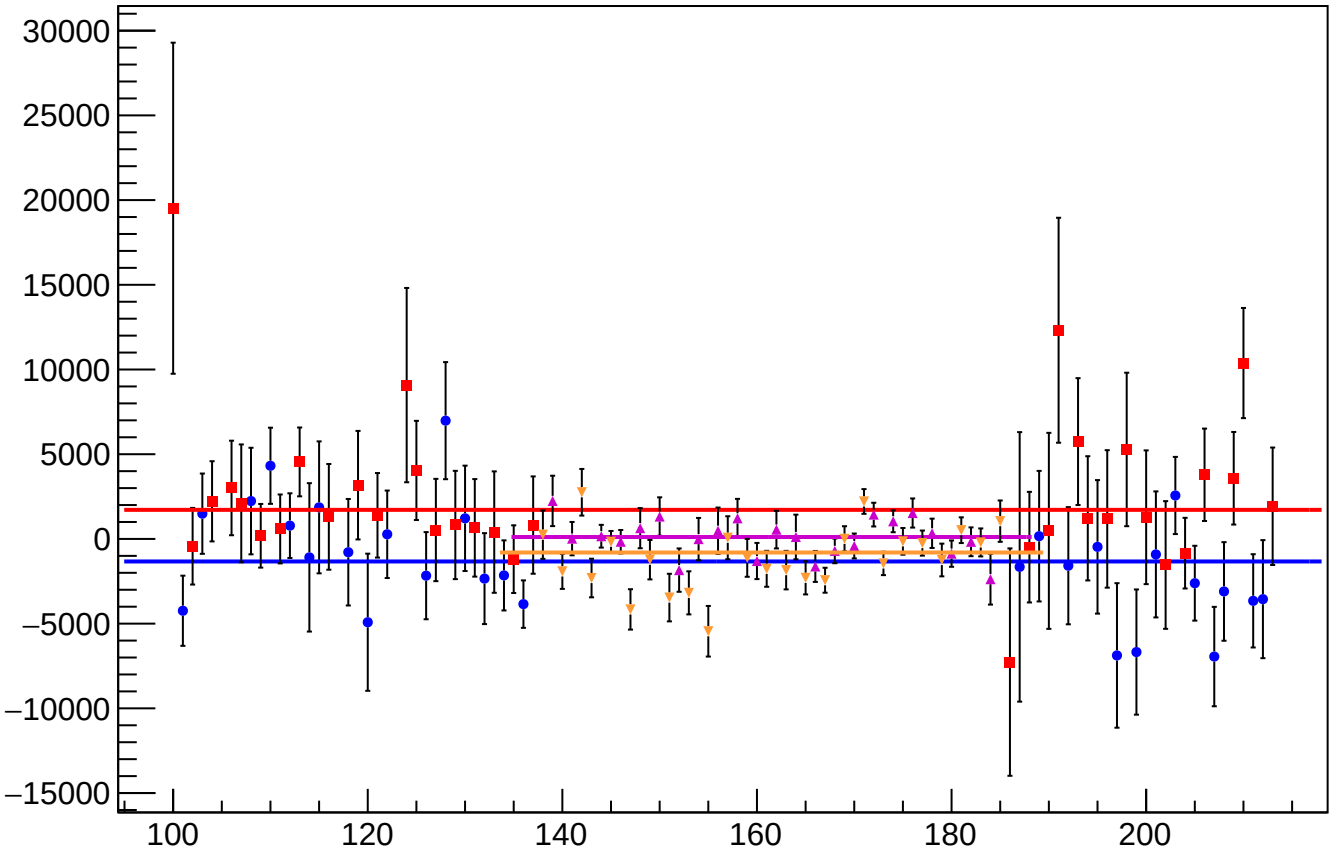
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 151.379+/-0.020 χ^2/NDF: 16196739.7/62

In: 101.331+/-0.013 χ^2/NDF:11845434.5/51

Out: 100.740+/-0.013 χ^2/NDF:14250652.2/58

All: 101.027+/-0.009 χ^2/NDF: 26097102.3/1



Right In: -1330.383+/-505.515 χ^2/NDF: 36.6/28

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

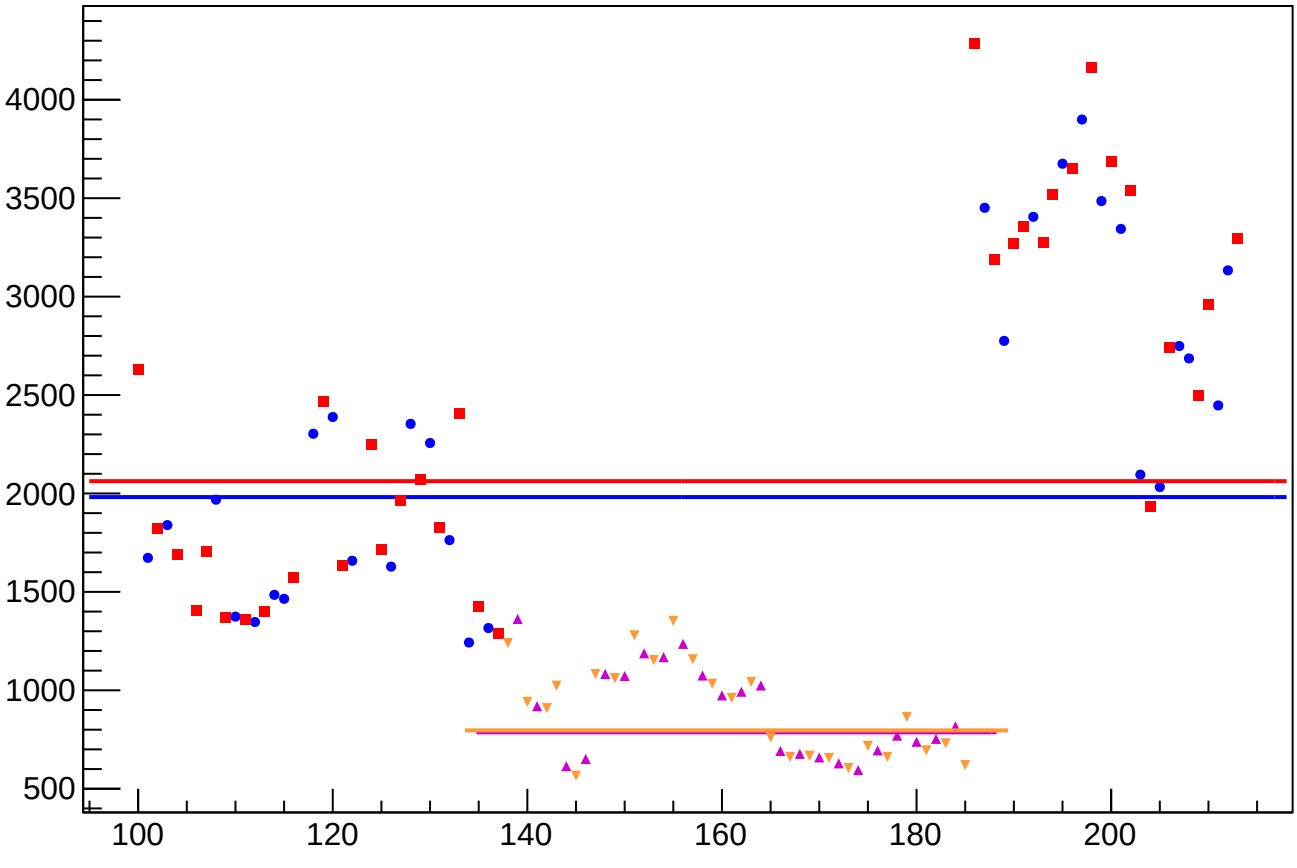
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 186.978+/-358.138 χ^2/NDF: 84.4/62

In: -66.558+/-178.073 χ^2/NDF:70.8/51

Out: -498.363+/-176.089 χ^2/NDF:123.3/58

All: -284.880+/-125.209 χ^2/NDF: 197.0/110



Right In: 1981.629+/-0.357 χ^2/NDF: 3749033.3/28

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

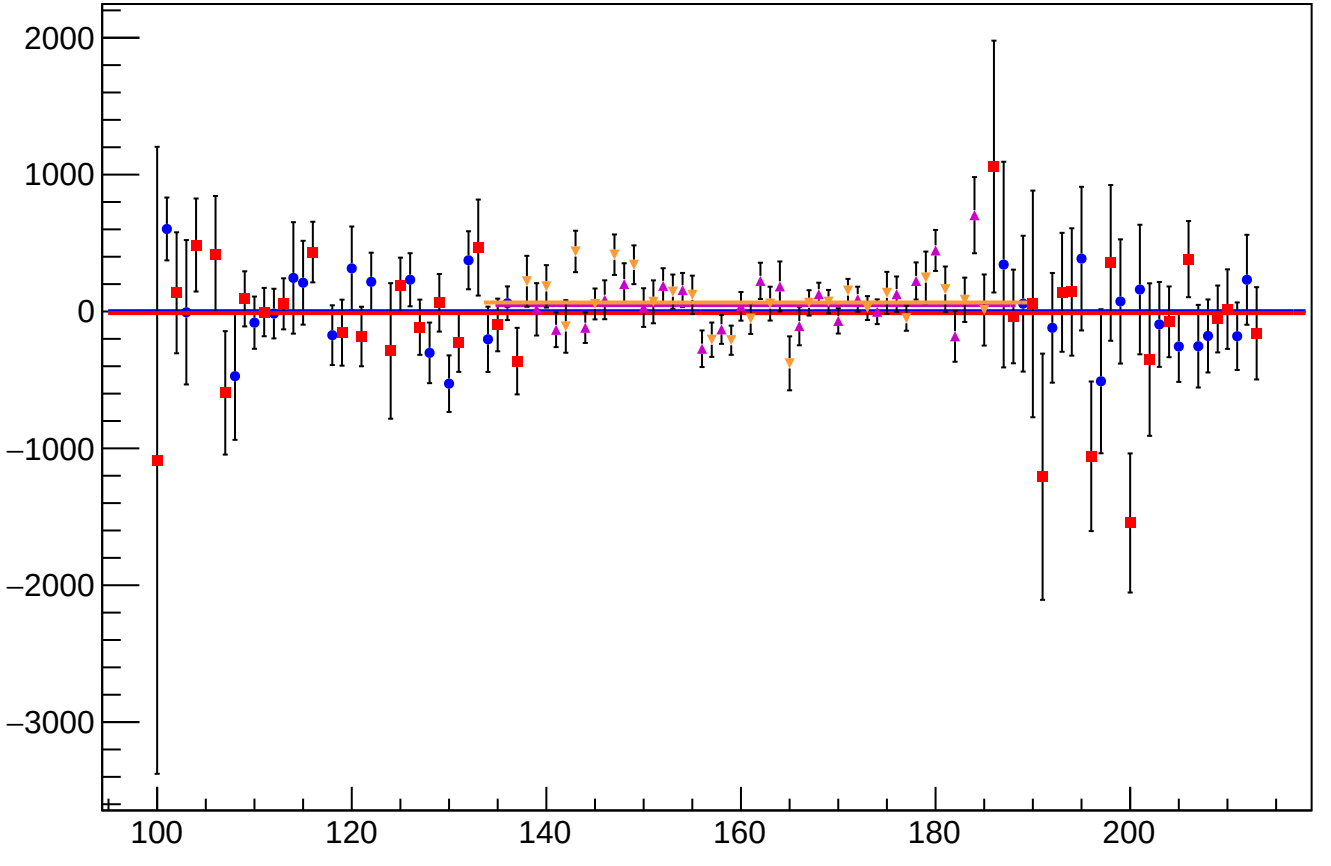
Right: 2021.920+/-0.253 χ^2/NDF: 8380786.1/62

In: 934.658+/-0.126 χ^2/NDF:15699881.5/51

Out: 948.962+/-0.125 χ^2/NDF:17973092.9/58

All: 941.890+/-0.089 χ^2/NDF: 33679499.1/11

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 2.117+/-47.872 χ^2/NDF: 30.7/28

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

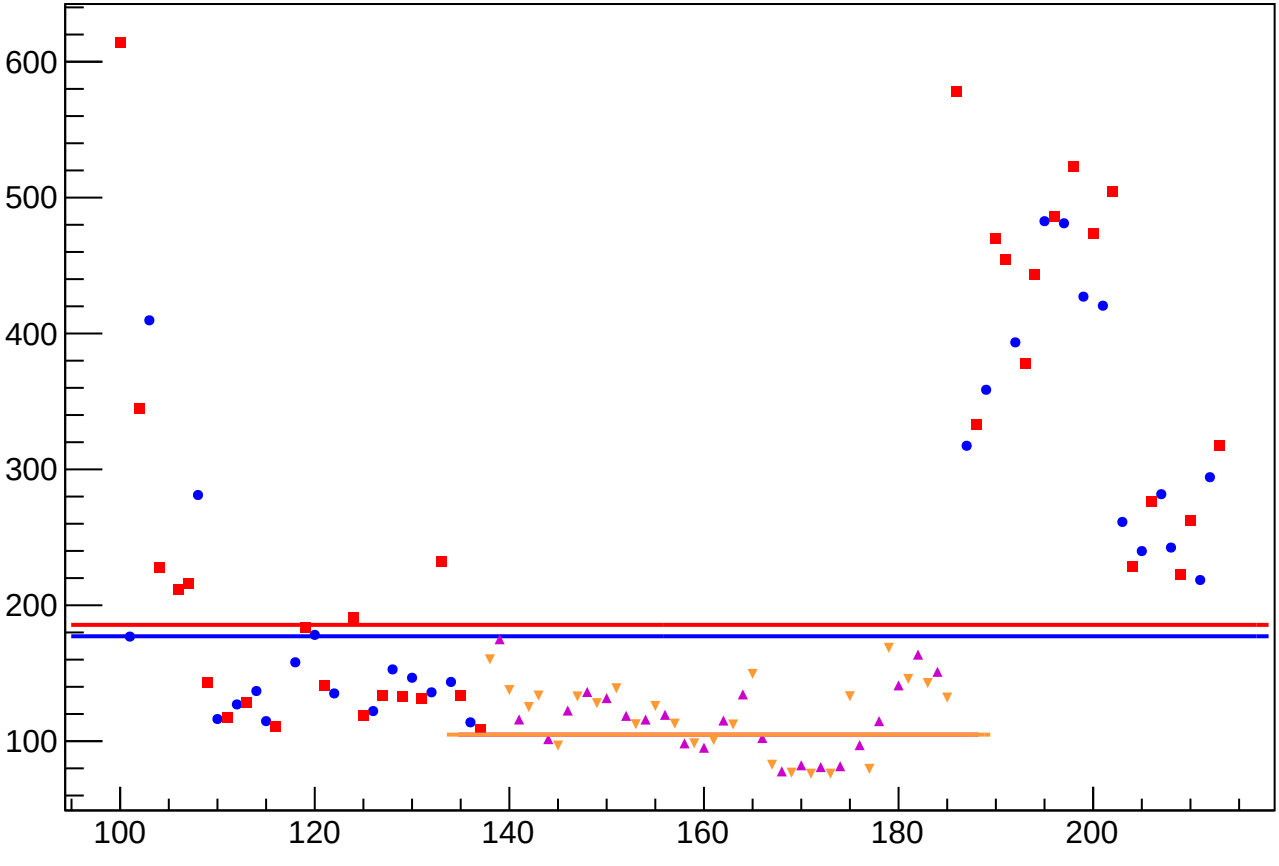
Right: -4.756+/-34.192 χ^2/NDF: 67.4/62

In: 36.991+/-22.641 χ^2/NDF:70.0/51

Out: 49.533+/-22.297 χ^2/NDF:78.7/58

All: 43.358+/-15.886 χ^2/NDF: 148.9/110

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 177.189+/-0.034 χ^2/NDF: 6250087.4/28

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

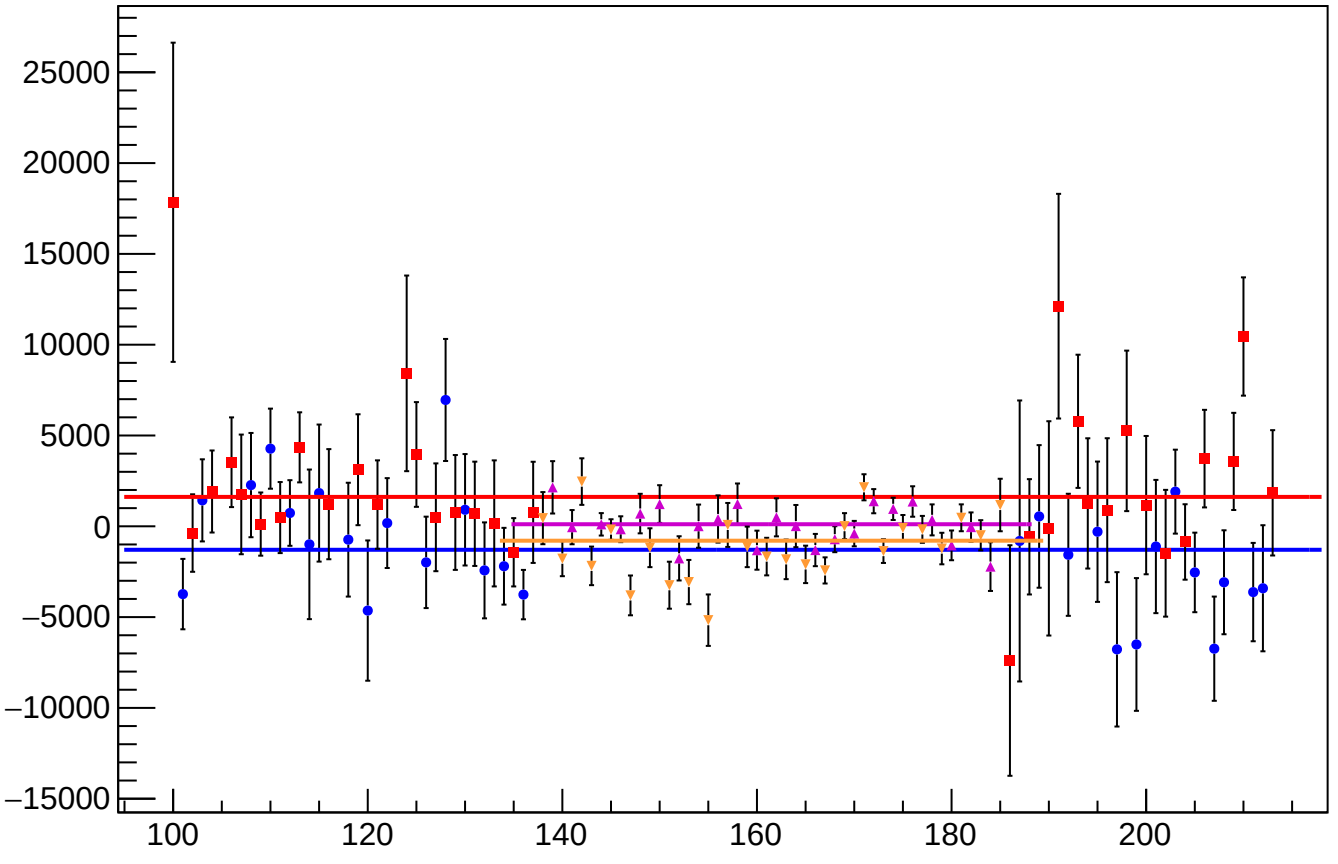
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 181.297+/-0.024 χ^2/NDF: 14045877.7/62

In: 121.019+/-0.016 χ^2/NDF:11411469.8/51

Out: 121.635+/-0.016 χ^2/NDF:14336376.9/58

All: 121.332+/-0.011 χ^2/NDF: 25748599.0/11



Right In: -1293.177+/-492.842 χ^2/NDF: 35.7/28

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

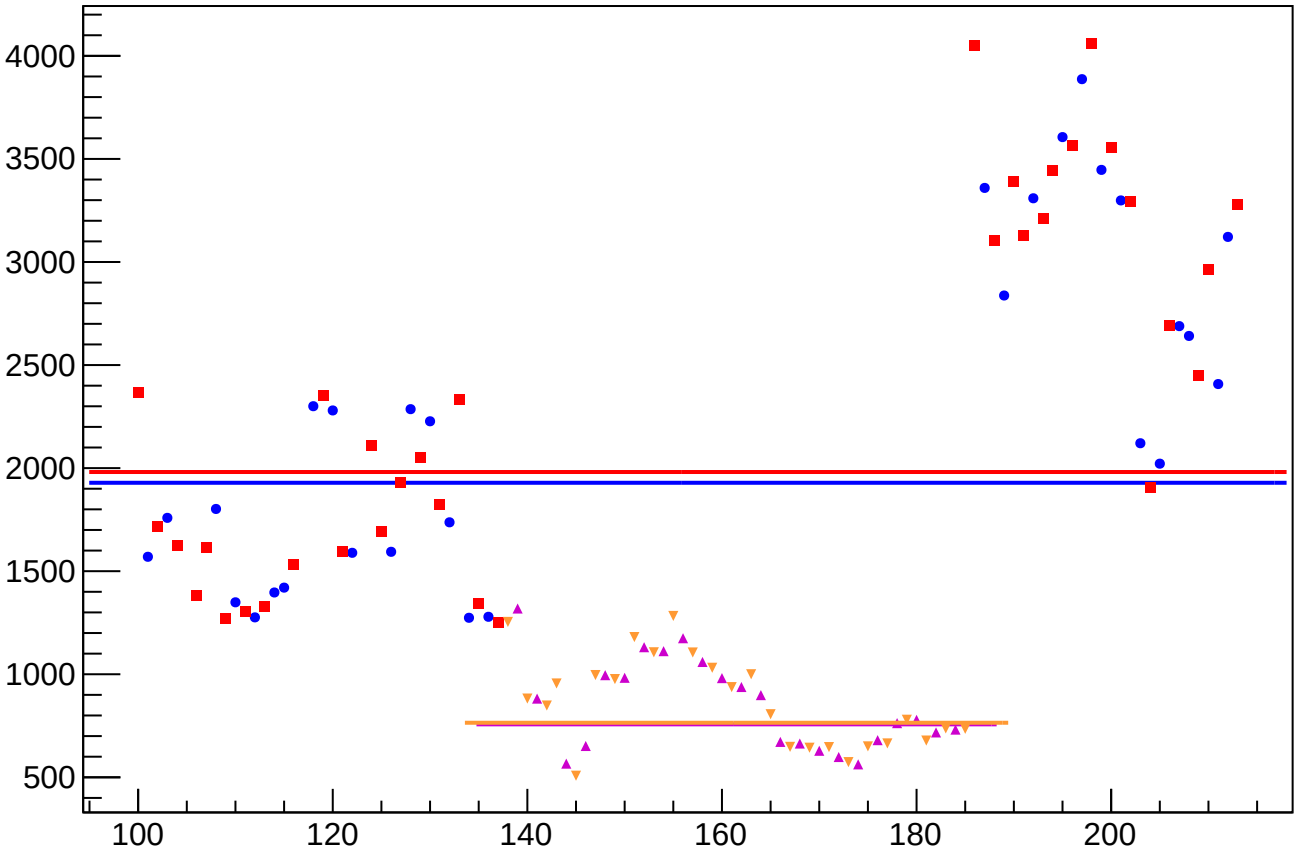
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 177.169+/-346.763 χ^2/NDF: 85.2/62

In: -56.993+/-171.659 χ^2/NDF:69.1/51

Out: -504.520+/-168.792 χ^2/NDF:123.5/58

All: -284.525+/-120.355 χ^2/NDF: 196.0/110



Right In: 1928.915+/-0.348 χ^2/NDF: 3890255.7/28

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

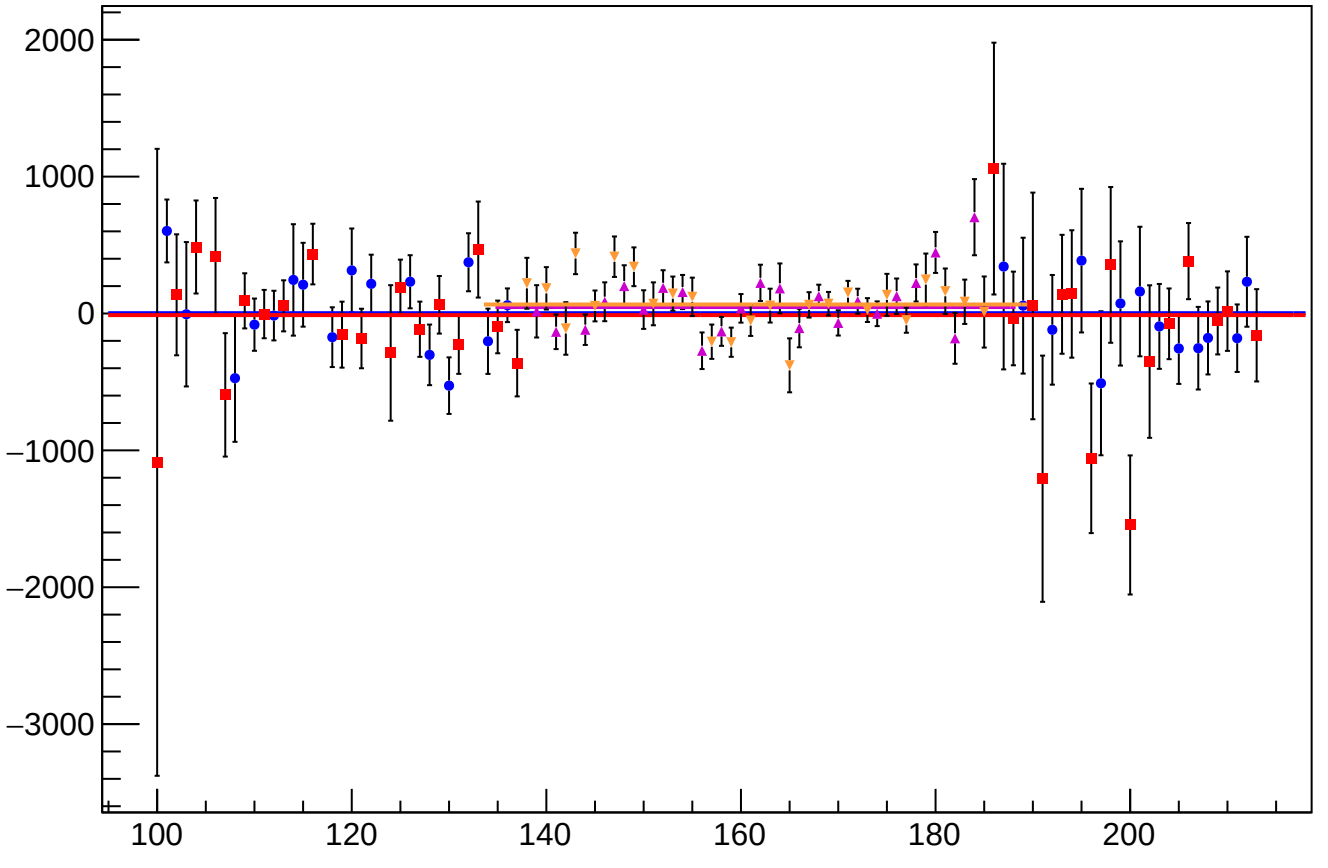
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1955.287+/-0.245 χ^2/NDF: 8730011.4/62

In: 899.107+/-0.121 χ^2/NDF:15943415.5/51

Out: 910.268+/-0.119 χ^2/NDF:18194270.2/58

All: 904.781+/-0.085 χ^2/NDF: 34141984.8/11



Right In: 2.117+/-47.872 χ^2/NDF: 30.7/28

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

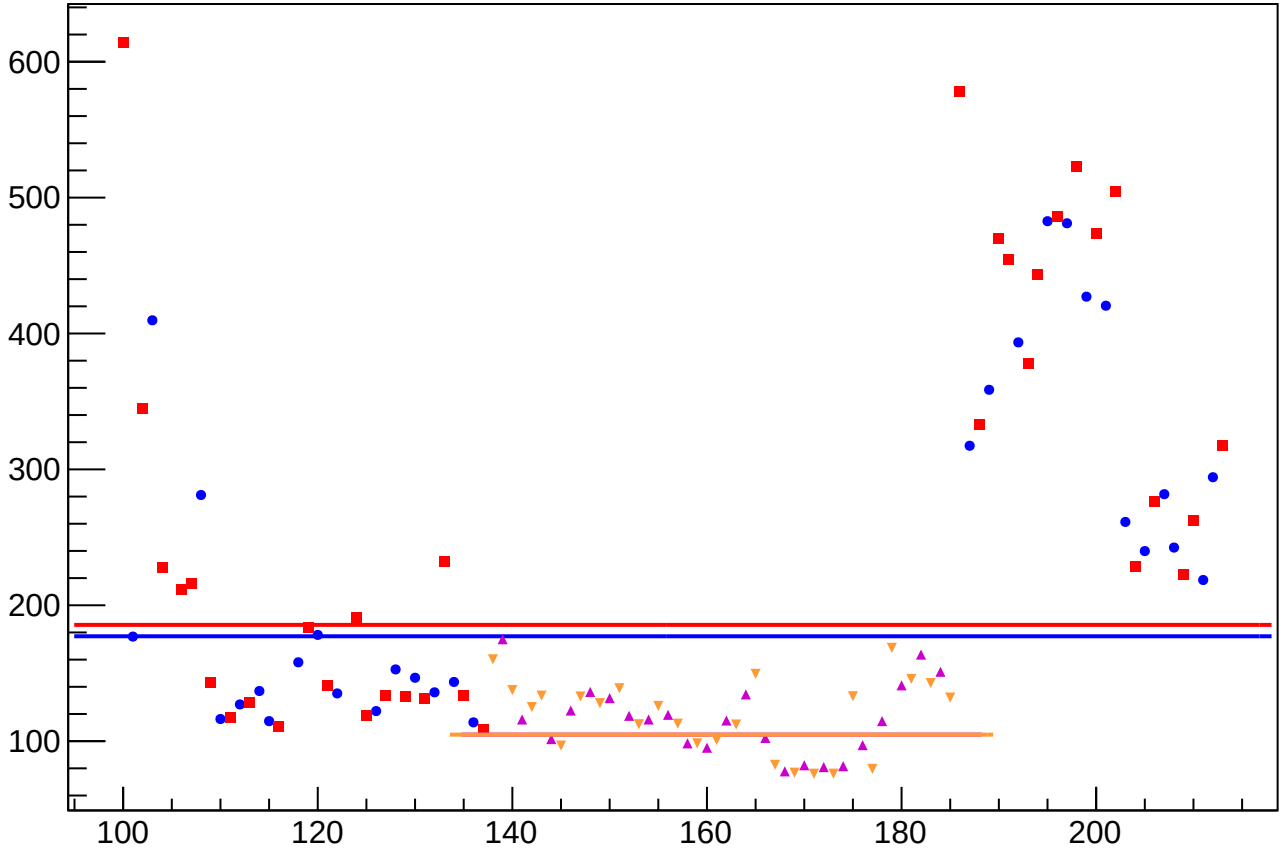
Right: -4.758+/-34.192 χ^2/NDF: 67.4/62

In: 36.990+/-22.641 χ^2/NDF:70.0/51

Out: 49.533+/-22.297 χ^2/NDF:78.7/58

All: 43.357+/-15.886 χ^2/NDF: 148.9/110

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 177.190+/-0.034 χ^2/NDF: 6250075.0/28

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

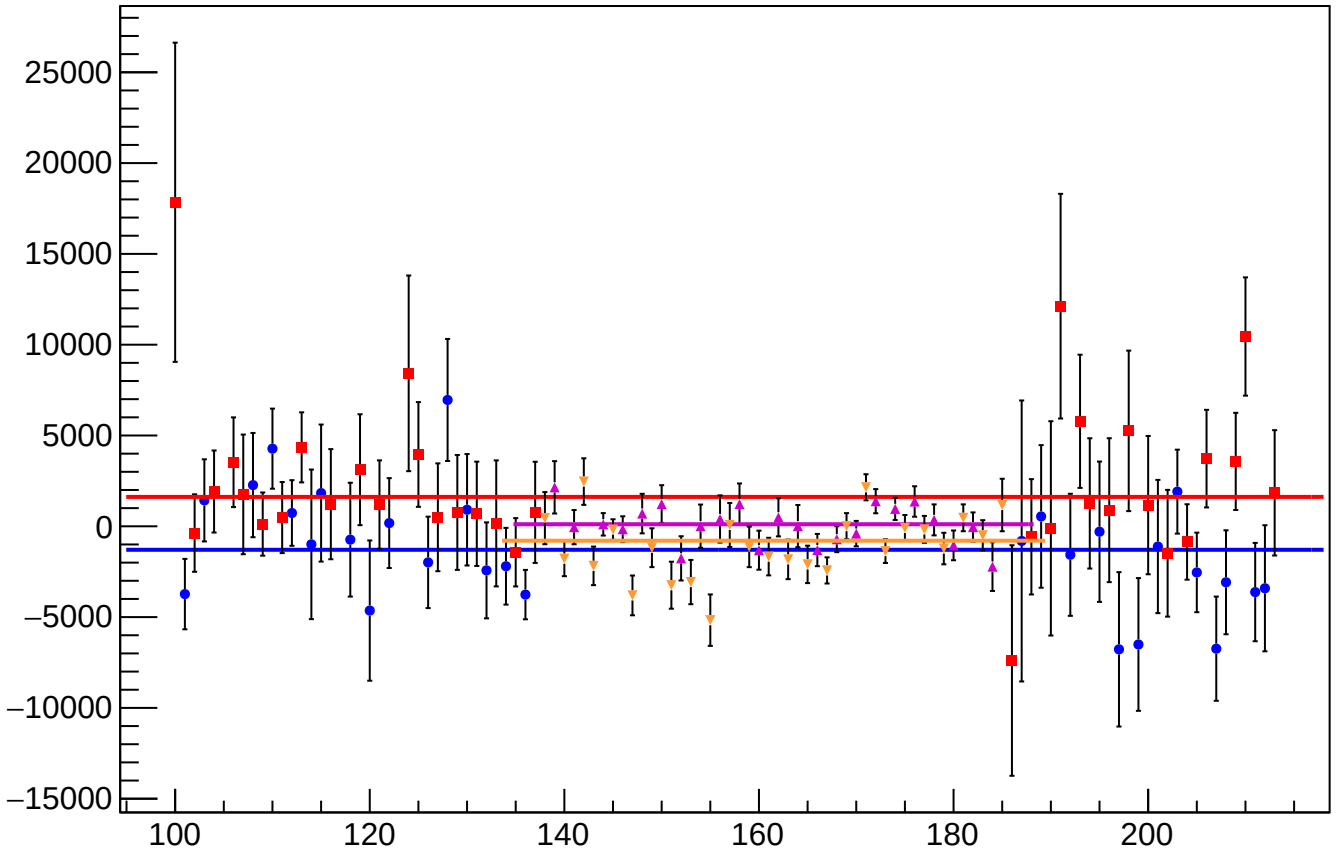
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 181.298+/-0.024 χ^2/NDF: 14045846.2/62

In: 121.019+/-0.016 χ^2/NDF:11411453.8/51

Out: 121.635+/-0.016 χ^2/NDF:14336376.7/58

All: 121.332+/-0.011 χ^2/NDF: 25748583.0/11



Right In: -1293.175+/-492.842 χ^2/NDF: 35.7/28

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

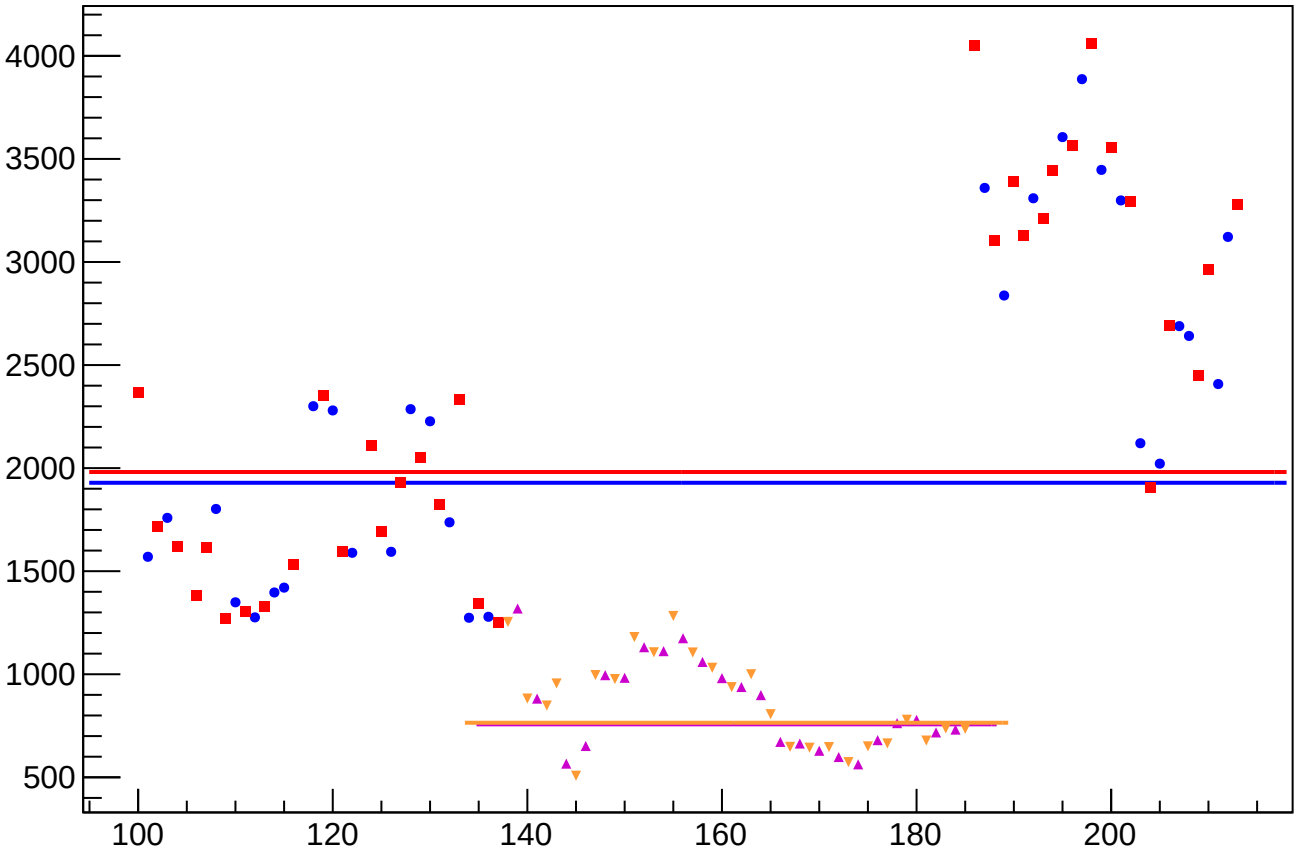
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 177.170+/-346.763 χ^2/NDF: 85.2/62

In: -56.993+/-171.658 χ^2/NDF:69.1/51

Out: -504.521+/-168.792 χ^2/NDF:123.5/58

All: -284.525+/-120.355 χ^2/NDF: 196.0/110



Right In: 1928.913+/-0.348 χ^2/NDF: 3890256.6/28

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

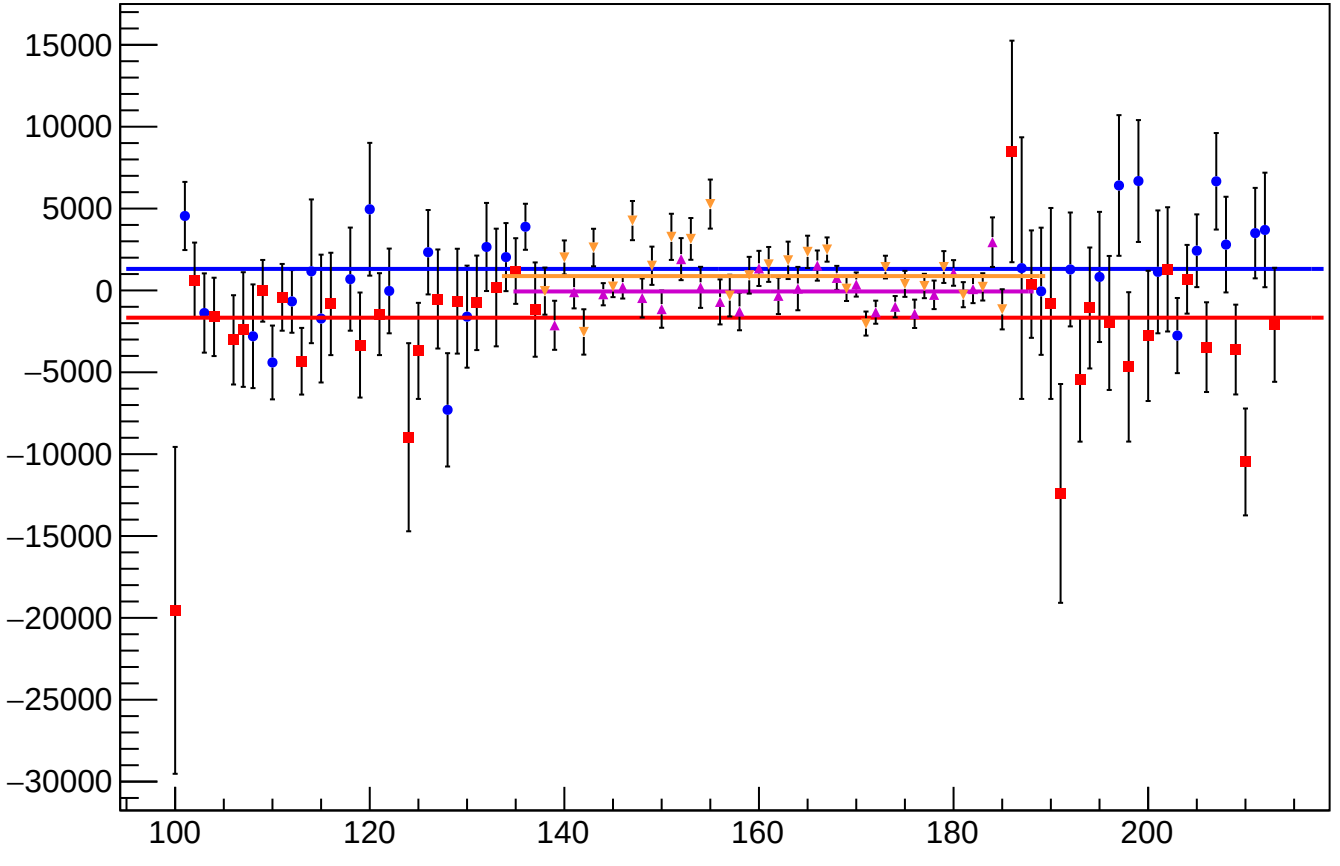
Right: 1955.285+/-0.245 χ^2/NDF: 8730014.3/62

In: 899.106+/-0.121 χ^2/NDF:15943411.9/51

Out: 910.268+/-0.119 χ^2/NDF:18194257.8/58

All: 904.781+/-0.085 χ^2/NDF: 34141969.0/1

asym_sam3_mean vs Slug, Sign Corrected



Right In: 1314.170+/-508.049 χ^2/NDF: 37.2/28

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

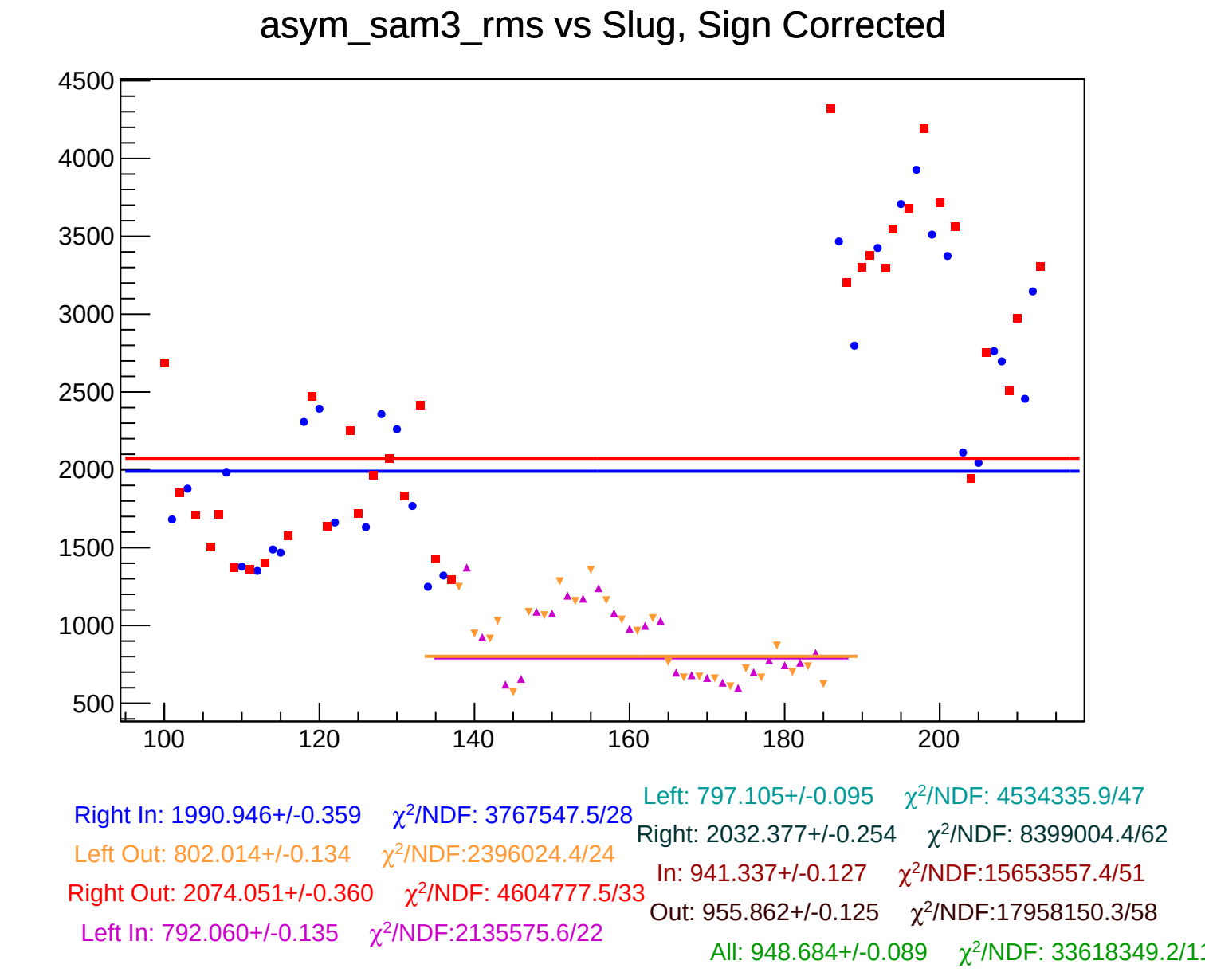
Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

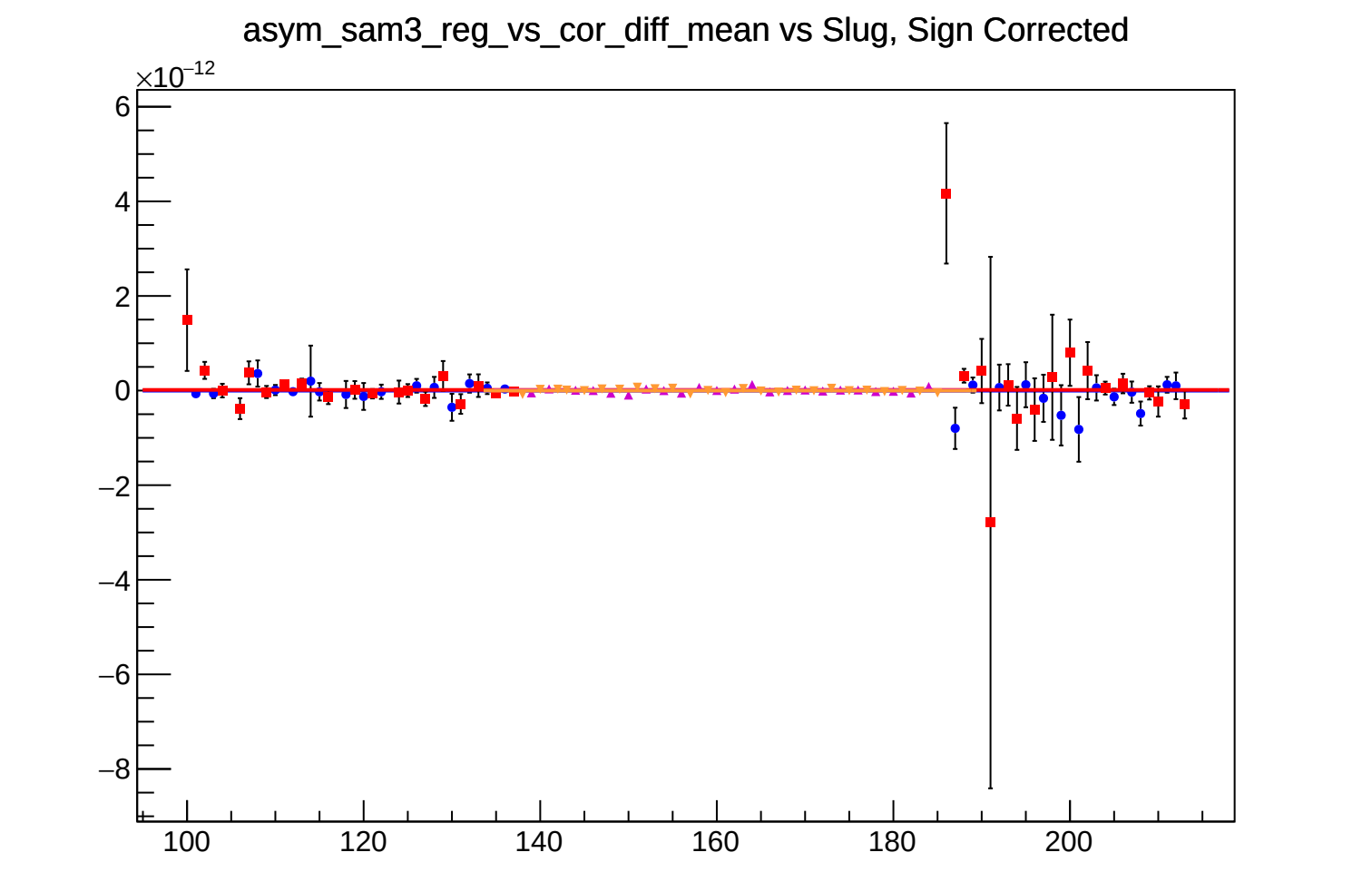
Right: -171.265+/-359.767 χ^2/NDF: 83.6/62

In: 108.690+/-179.272 χ^2/NDF:70.7/51

Out: 569.055+/-177.201 χ^2/NDF:118.5/58

All: 341.547+/-126.026 χ^2/NDF: 192.5/110


asym_sam3_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1990.946+/-0.359 χ²/NDF: 3767547.5/28
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: 2032.377+/-0.254 χ²/NDF: 8399004.4/62
In: 941.337+/-0.127 χ²/NDF:15653557.4/51
Out: 955.862+/-0.125 χ²/NDF:17958150.3/58
All: 948.684+/-0.089 χ²/NDF: 33618349.2/11



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/28

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

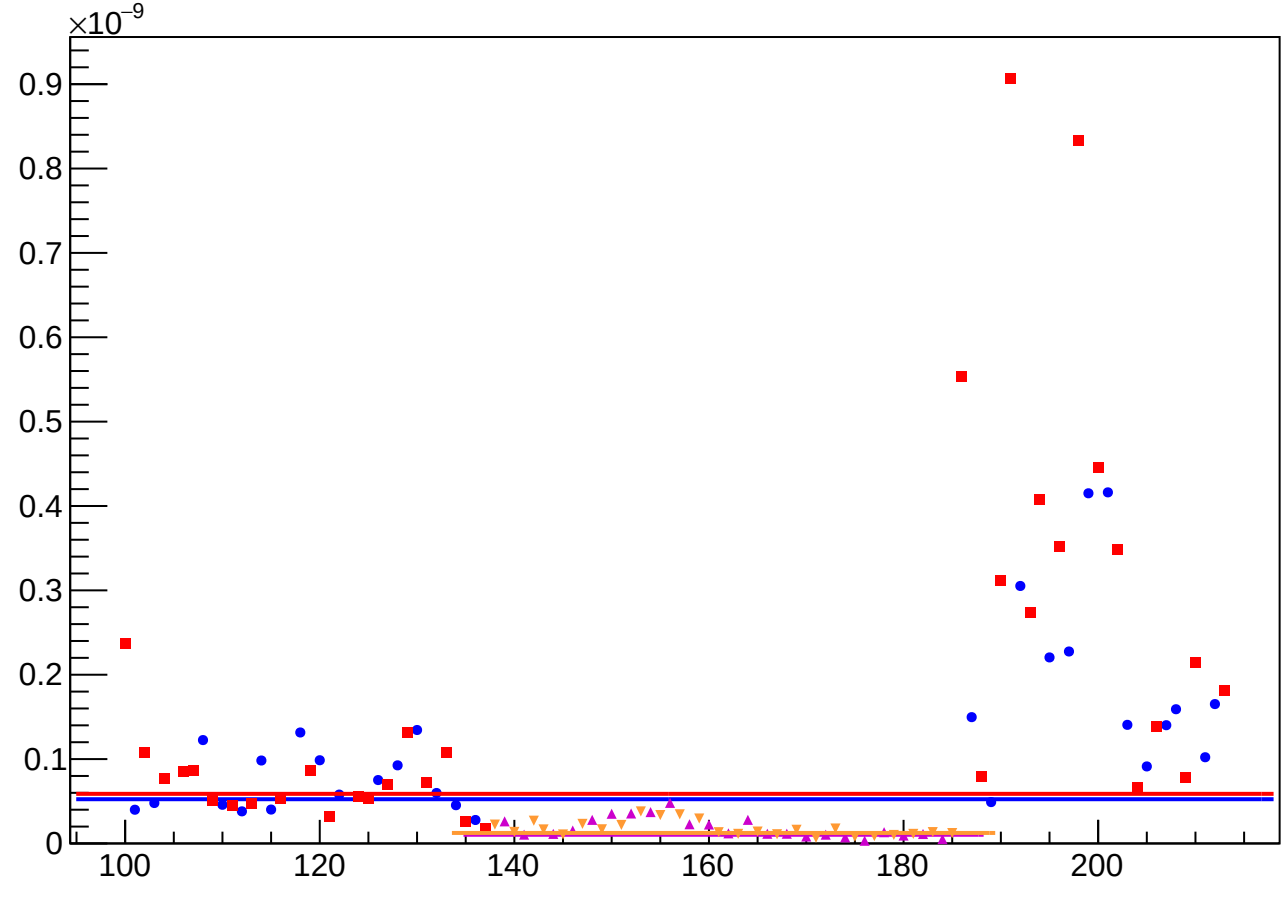
Left: 0.000+/-0.000 χ^2/NDF: 56.6/47

Right: 0.000+/-0.000 χ^2/NDF: 59.9/62

In: 0.000+/-0.000 χ^2/NDF:49.7/51

Out: -0.000+/-0.000 χ^2/NDF:65.9/58

All: 0.000+/-0.000 χ^2/NDF: 116.5/110



Right In: 0.000+/-0.000 χ^2/NDF: 5258023.2/28

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

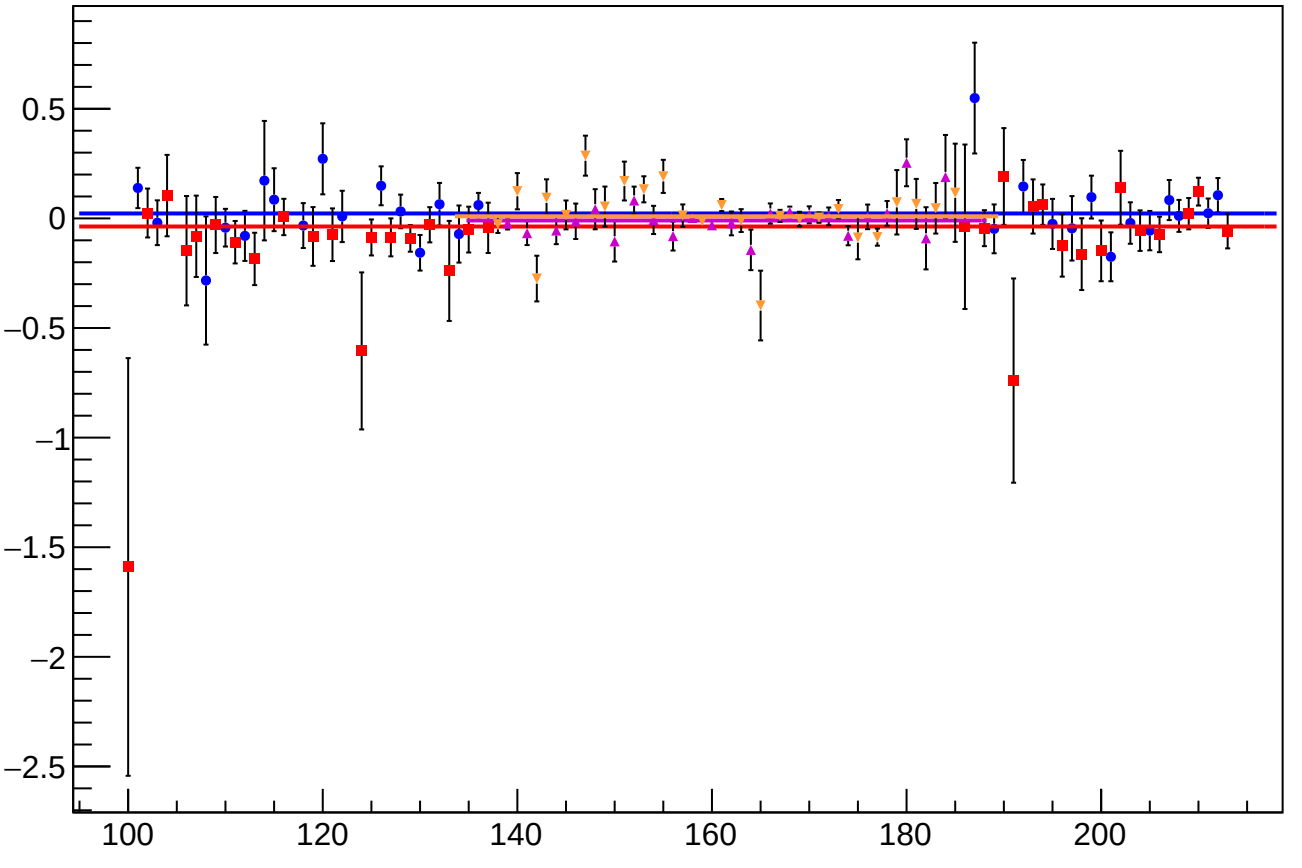
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11944146.8/62

In: 0.000+/-0.000 χ^2/NDF:14203902.3/51

Out: 0.000+/-0.000 χ^2/NDF:14226161.5/58

All: 0.000+/-0.000 χ^2/NDF: 28637287.7/110



Right In: 0.023+/-0.018 χ^2/NDF: 27.9/28

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

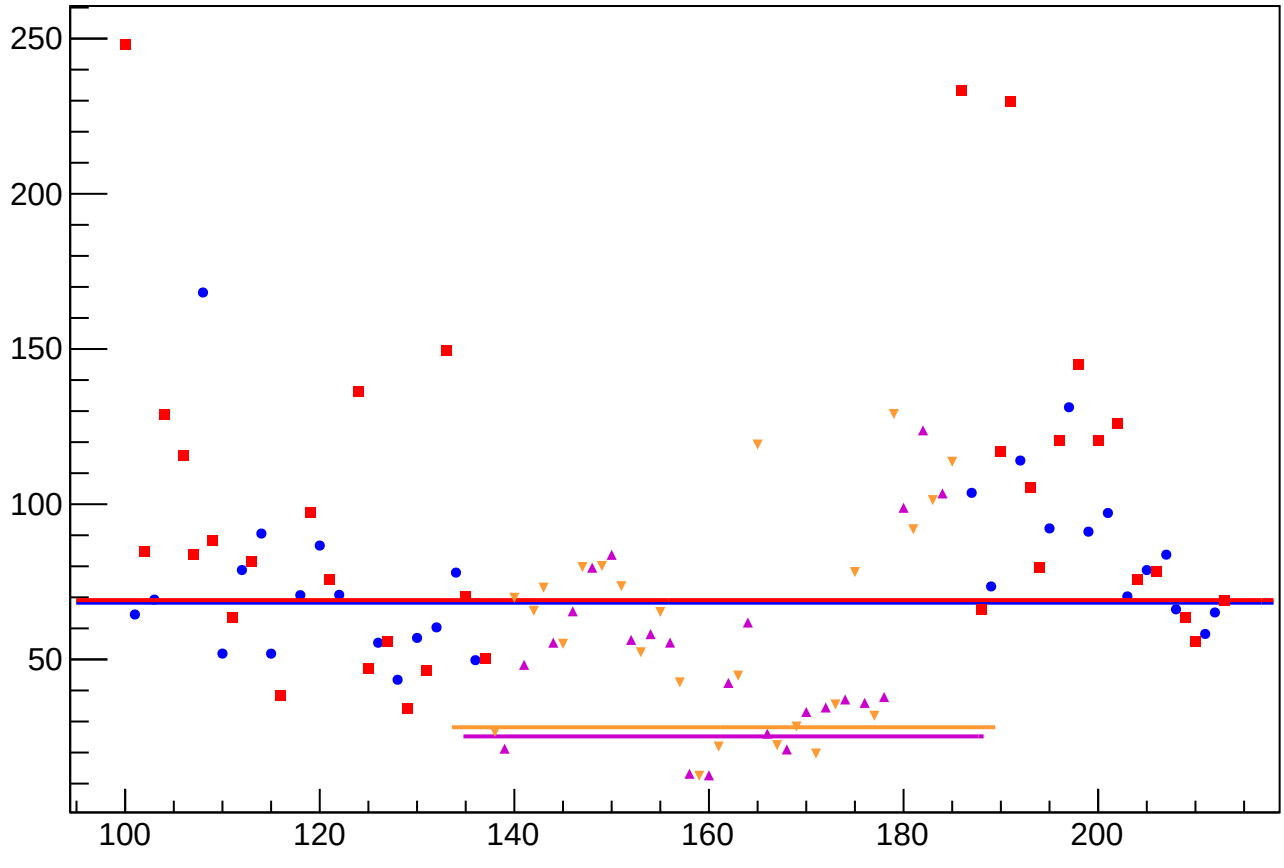
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.007+/-0.013 χ^2/NDF: 59.5/62

In: -0.004+/-0.007 χ^2/NDF:55.7/51

Out: 0.001+/-0.008 χ^2/NDF:86.2/58

All: -0.002+/-0.005 χ^2/NDF: 142.2/110



Right In: 68.276+/-0.013 χ^2/NDF: 2094853.8/28

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

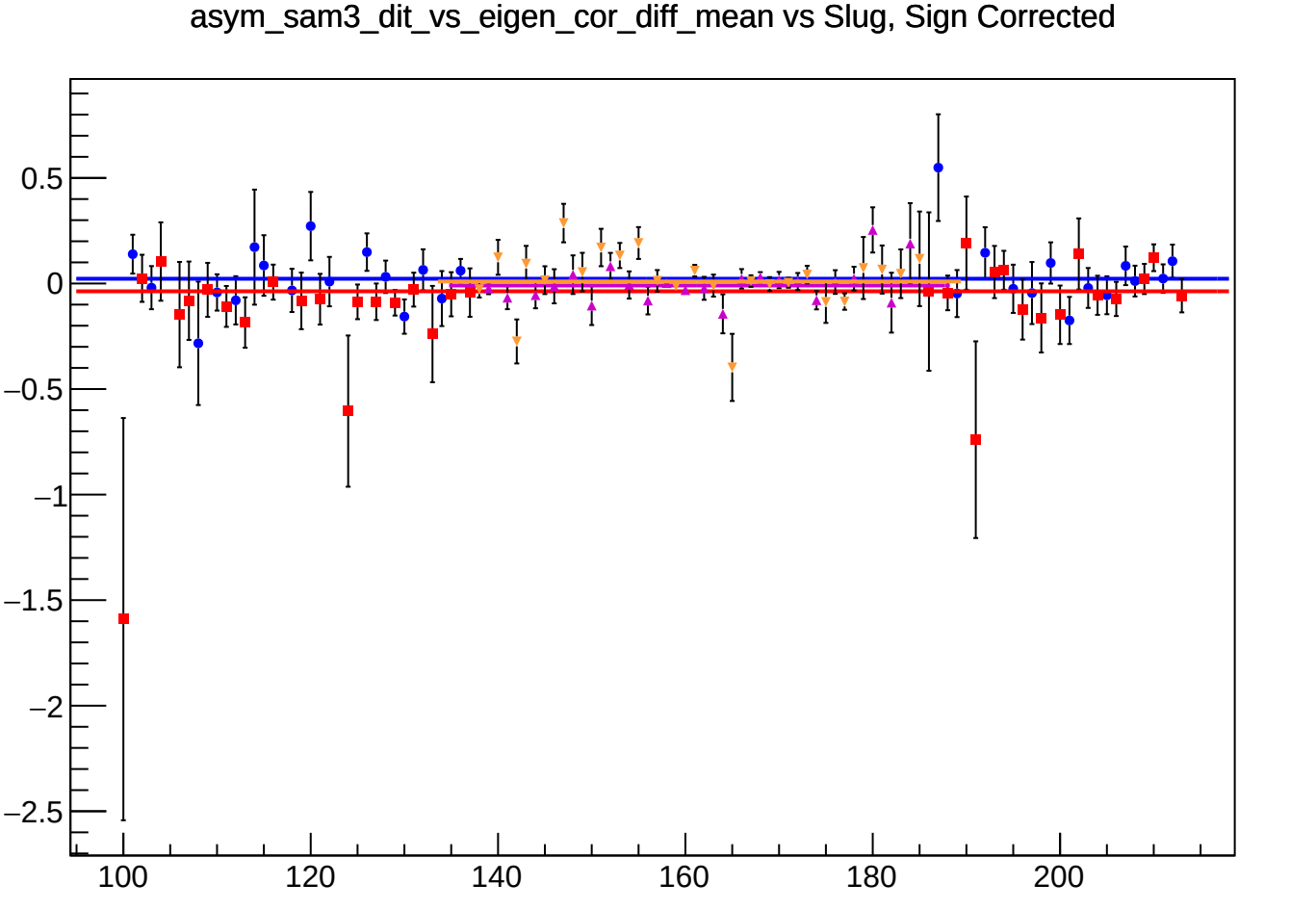
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.687+/-0.009 χ^2/NDF: 6565261.2/62

In: 32.114+/-0.005 χ^2/NDF:21536199.5/51

Out: 35.342+/-0.005 χ^2/NDF:23772746.9/58

All: 33.637+/-0.004 χ^2/NDF: 45495487.1/110



Right In: 0.023+/-0.018 χ^2/NDF: 27.9/28

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

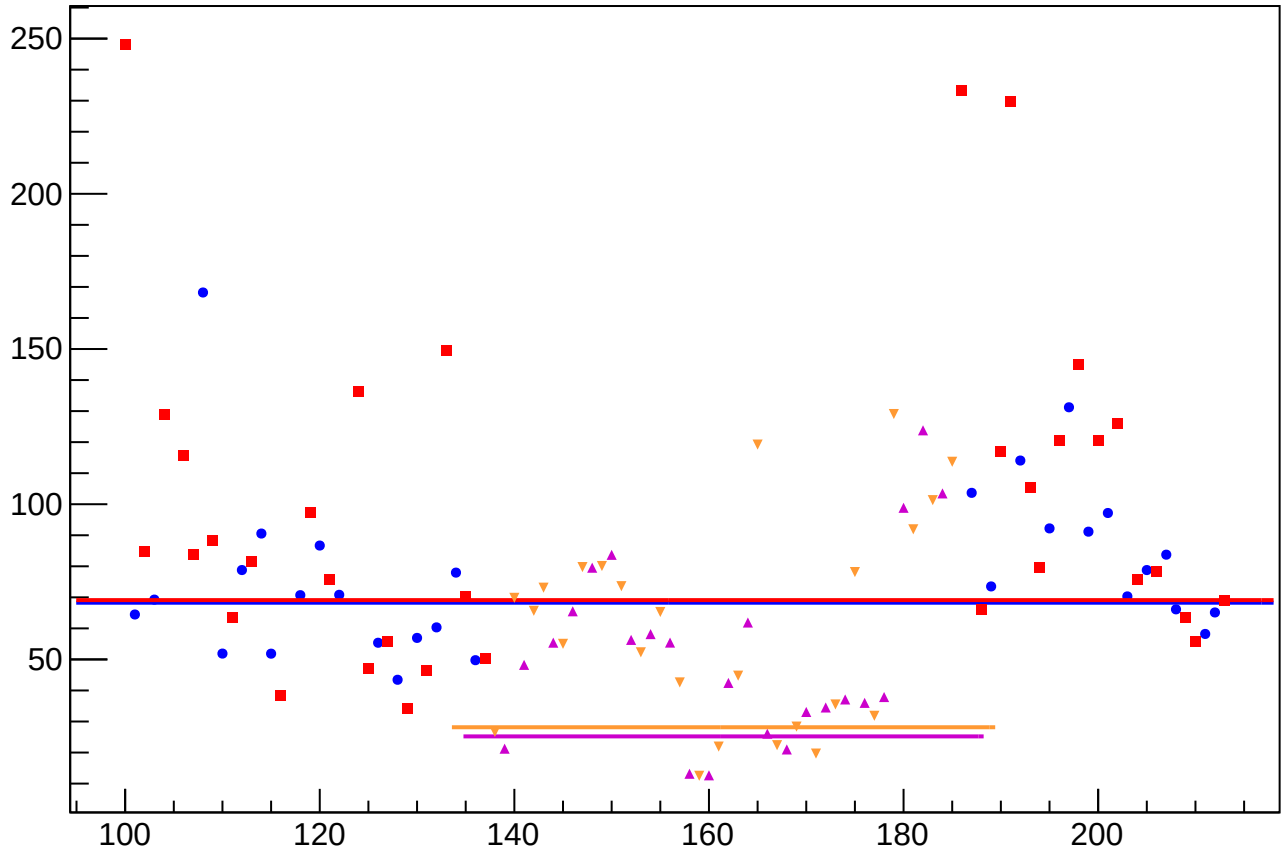
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.007+/-0.013 χ^2/NDF: 59.5/62

In: -0.004+/-0.007 χ^2/NDF:55.7/51

Out: 0.001+/-0.008 χ^2/NDF:86.2/58

All: -0.002+/-0.005 χ^2/NDF: 142.2/110



Right In: 68.276+/-0.013 χ^2/NDF: 2094853.8/28

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

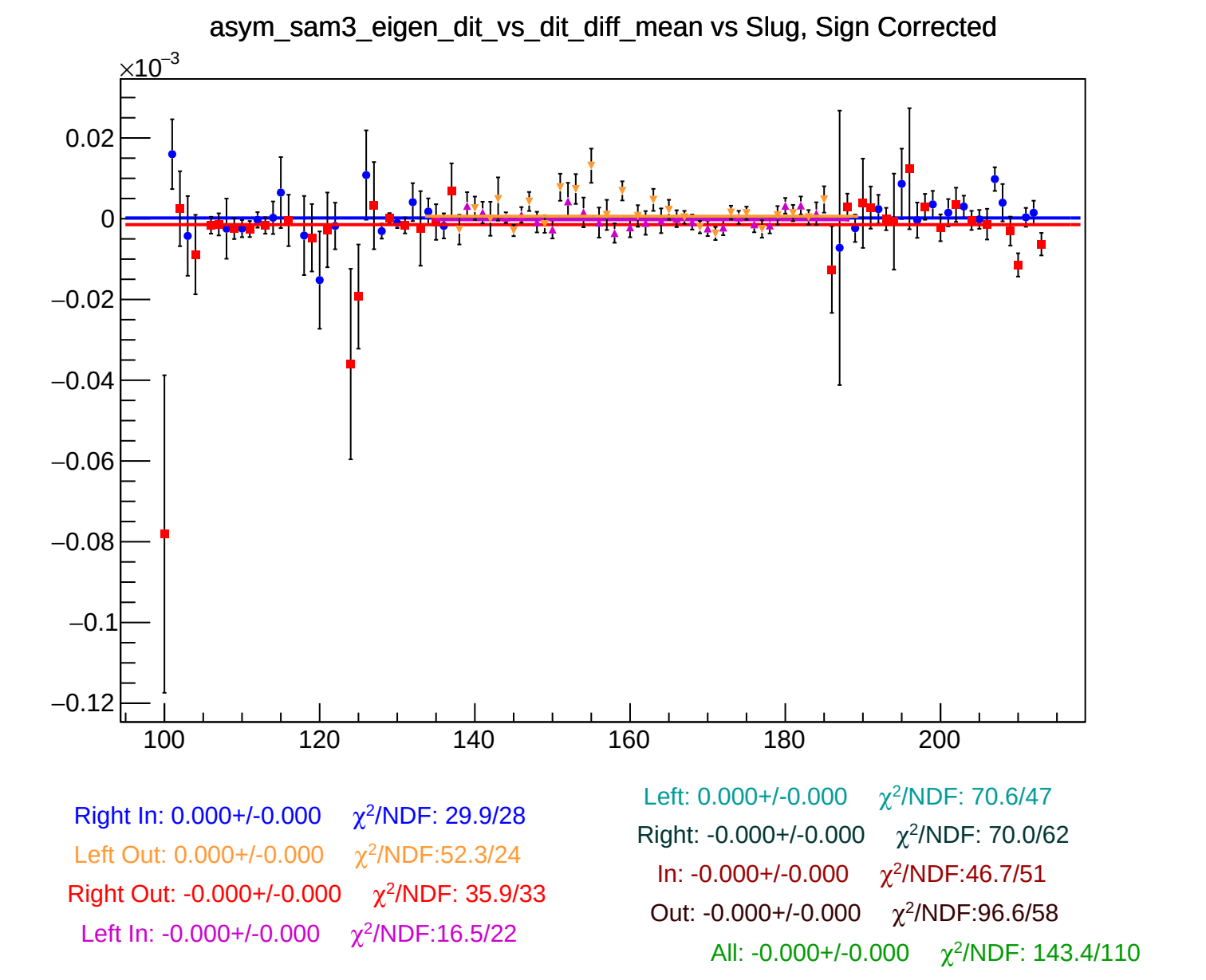
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.687+/-0.009 χ^2/NDF: 6565261.2/62

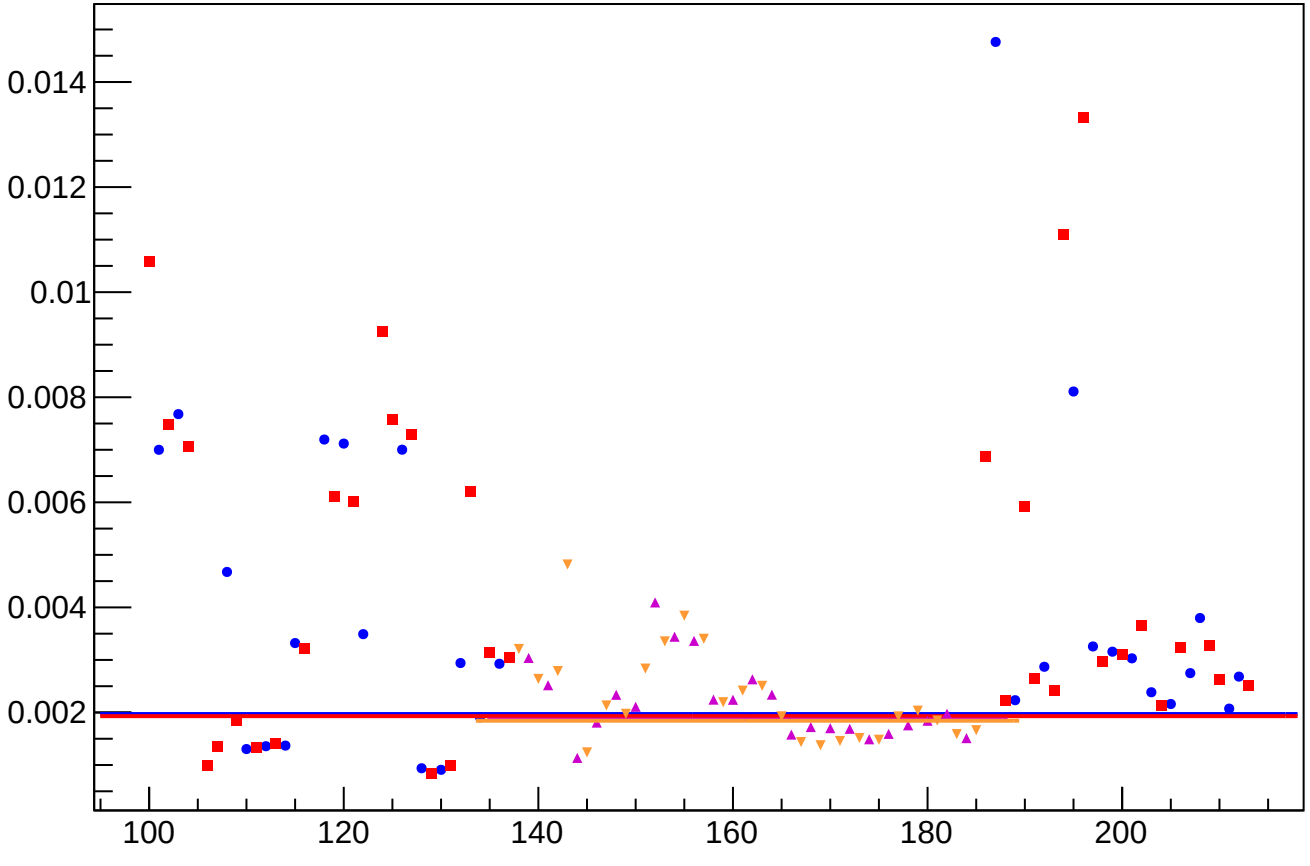
In: 32.114+/-0.005 χ^2/NDF:21536199.5/51

Out: 35.342+/-0.005 χ^2/NDF:23772746.9/58

All: 33.637+/-0.004 χ^2/NDF: 45495487.1/110


asym_sam3_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
−0.12
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 29.9/28
Left Out: 0.000+/-0.000 χ²/NDF:52.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.9/33
Left In: -0.000+/-0.000 χ²/NDF:16.5/22
Left: 0.000+/-0.000 χ²/NDF: 70.6/47
Right: -0.000+/-0.000 χ²/NDF: 70.0/62
In: -0.000+/-0.000 χ²/NDF:46.7/51
Out: -0.000+/-0.000 χ²/NDF:96.6/58
All: -0.000+/-0.000 χ²/NDF: 143.4/110

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 8585902.2/28

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

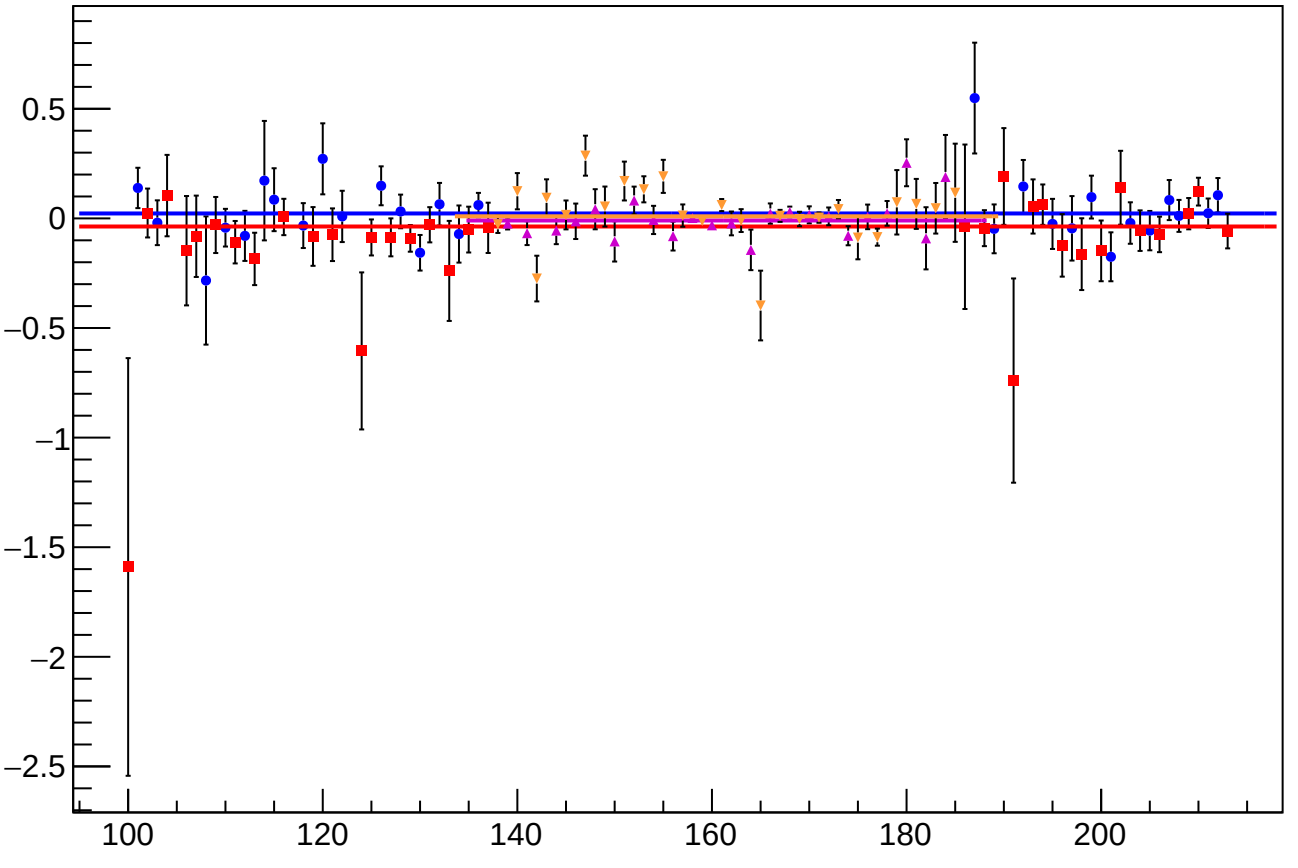
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 20036211.4/62

In: 0.002+/-0.000 χ^2/NDF:11420777.0/51

Out: 0.002+/-0.000 χ^2/NDF:15257924.0/58

All: 0.002+/-0.000 χ^2/NDF: 26685517.3/110



Right In: 0.023+/-0.018 χ^2/NDF: 27.9/28

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

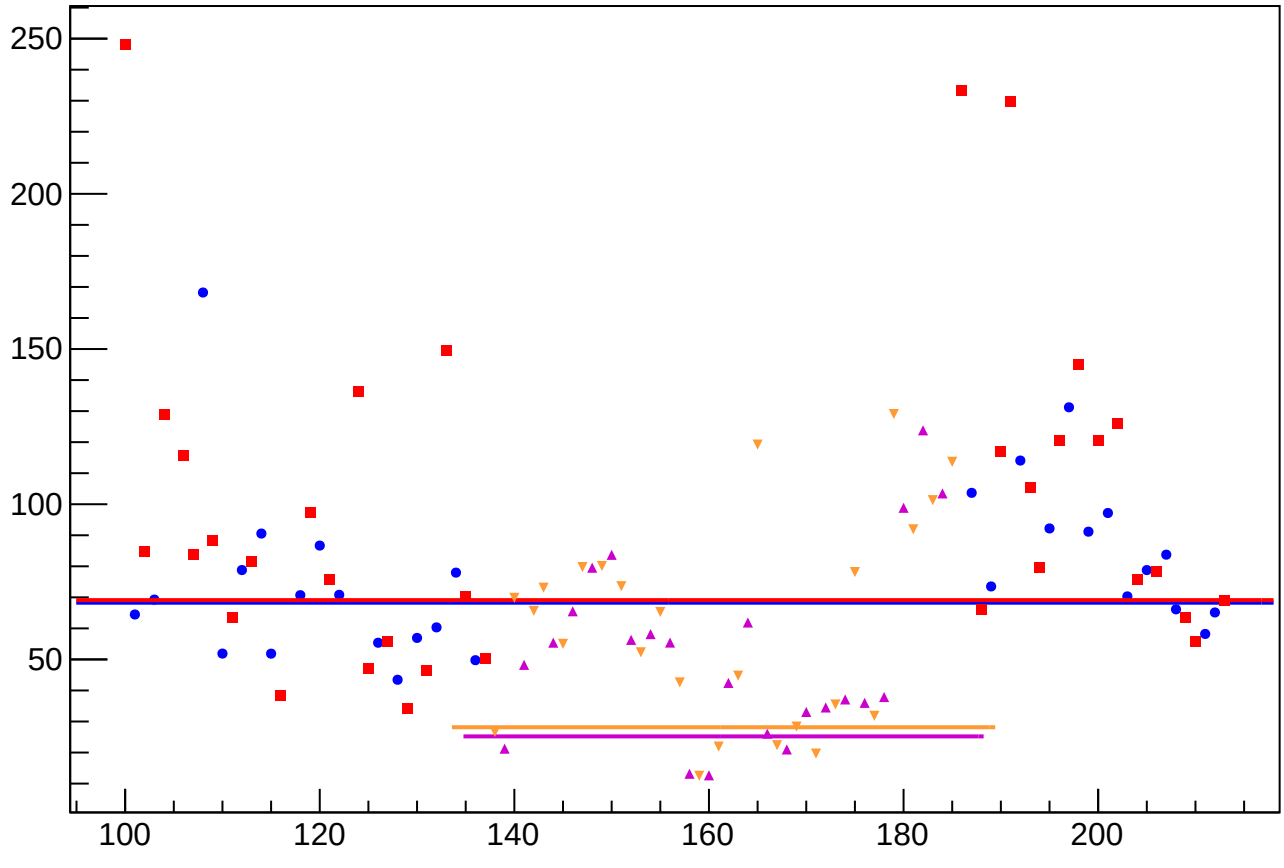
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.007+/-0.013 χ^2/NDF: 59.5/62

In: -0.004+/-0.007 χ^2/NDF:55.7/51

Out: 0.001+/-0.008 χ^2/NDF:86.2/58

All: -0.002+/-0.005 χ^2/NDF: 142.2/110



Right In: 68.276+/-0.013 χ^2/NDF: 2094842.6/28

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

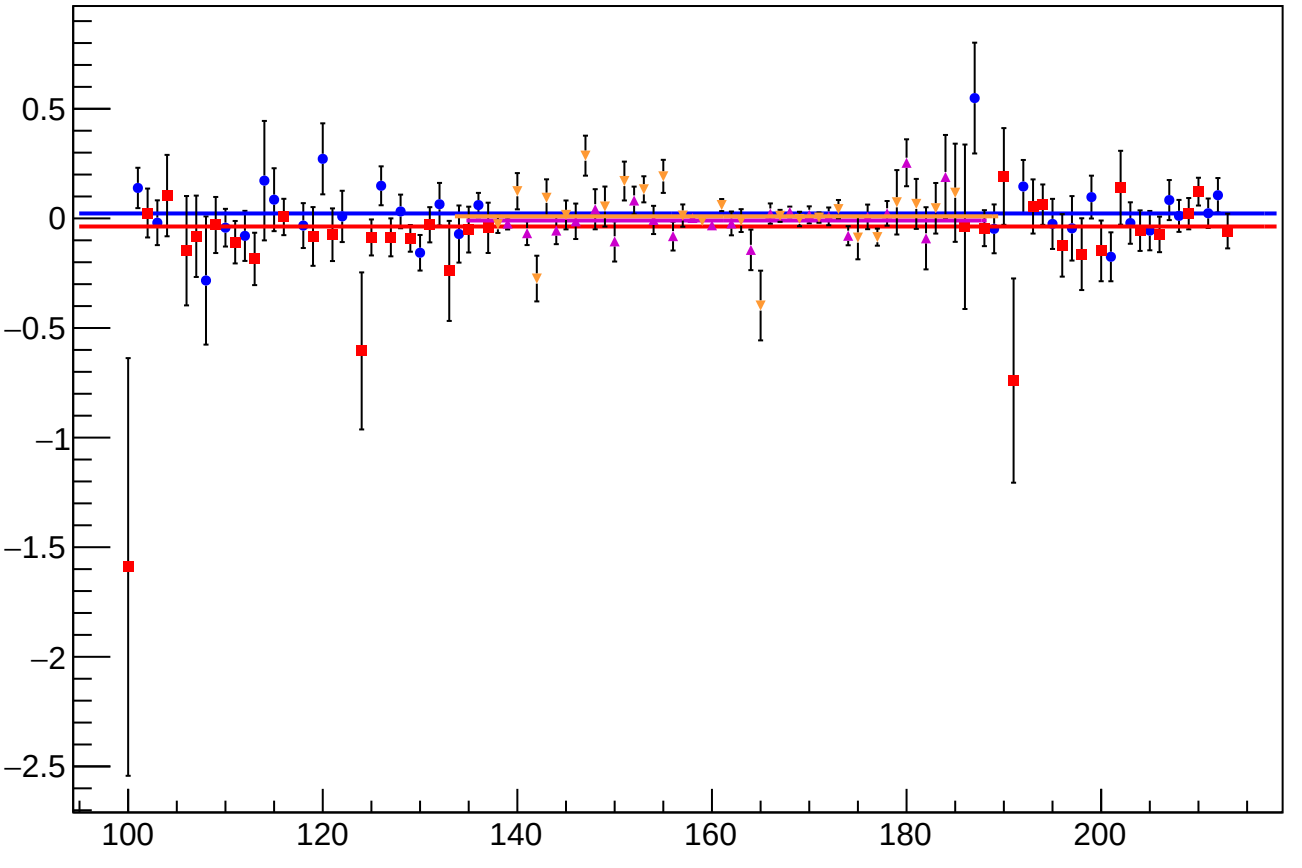
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.687+/-0.009 χ^2/NDF: 6565303.2/62

In: 32.114+/-0.005 χ^2/NDF:21536941.0/51

Out: 35.340+/-0.005 χ^2/NDF:23774596.6/58

All: 33.637+/-0.004 χ^2/NDF: 45497989.0/110



Right In: 0.023+/-0.018 χ^2/NDF: 27.9/28

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

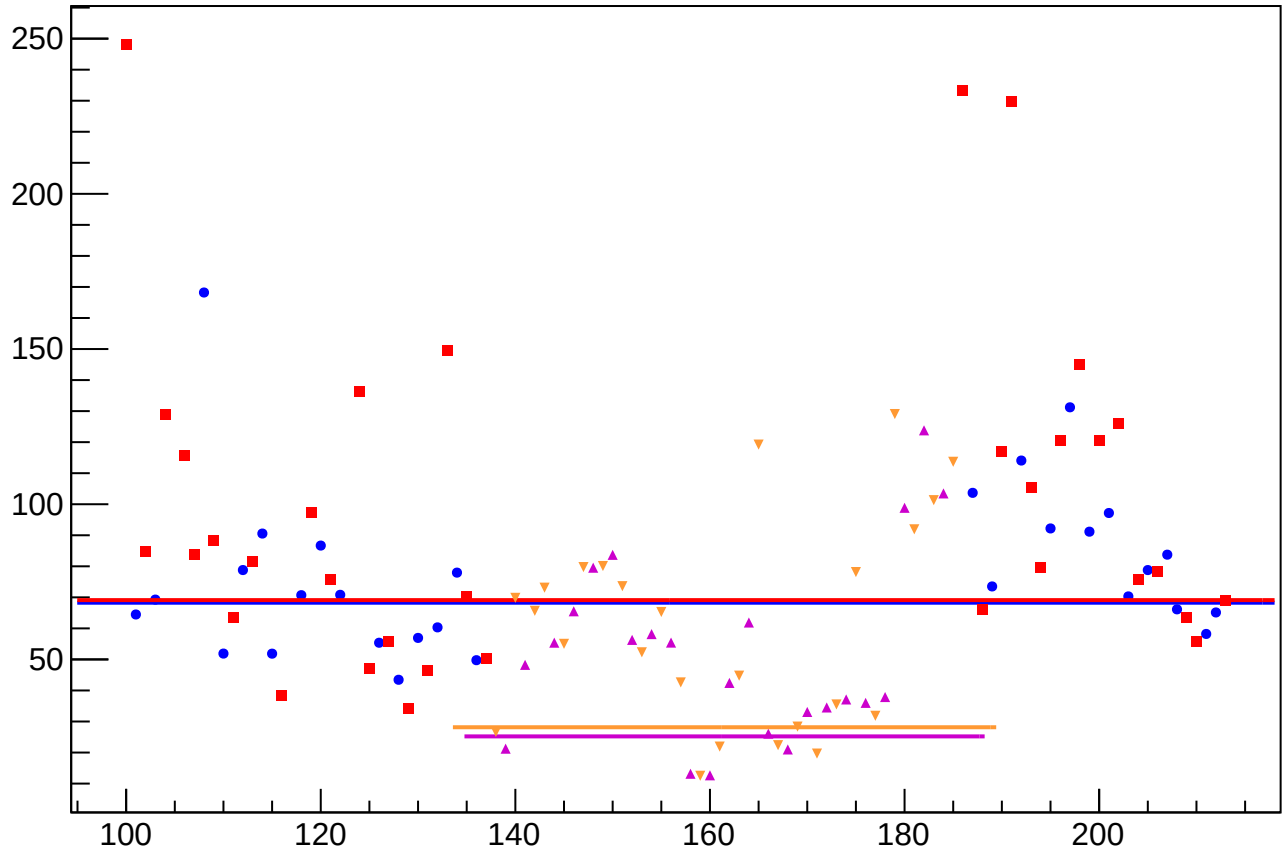
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.007+/-0.013 χ^2/NDF: 59.5/62

In: -0.004+/-0.007 χ^2/NDF:55.7/51

Out: 0.001+/-0.008 χ^2/NDF:86.2/58

All: -0.002+/-0.005 χ^2/NDF: 142.2/110



Right In: 68.276+/-0.013 χ^2/NDF: 2094842.6/28

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

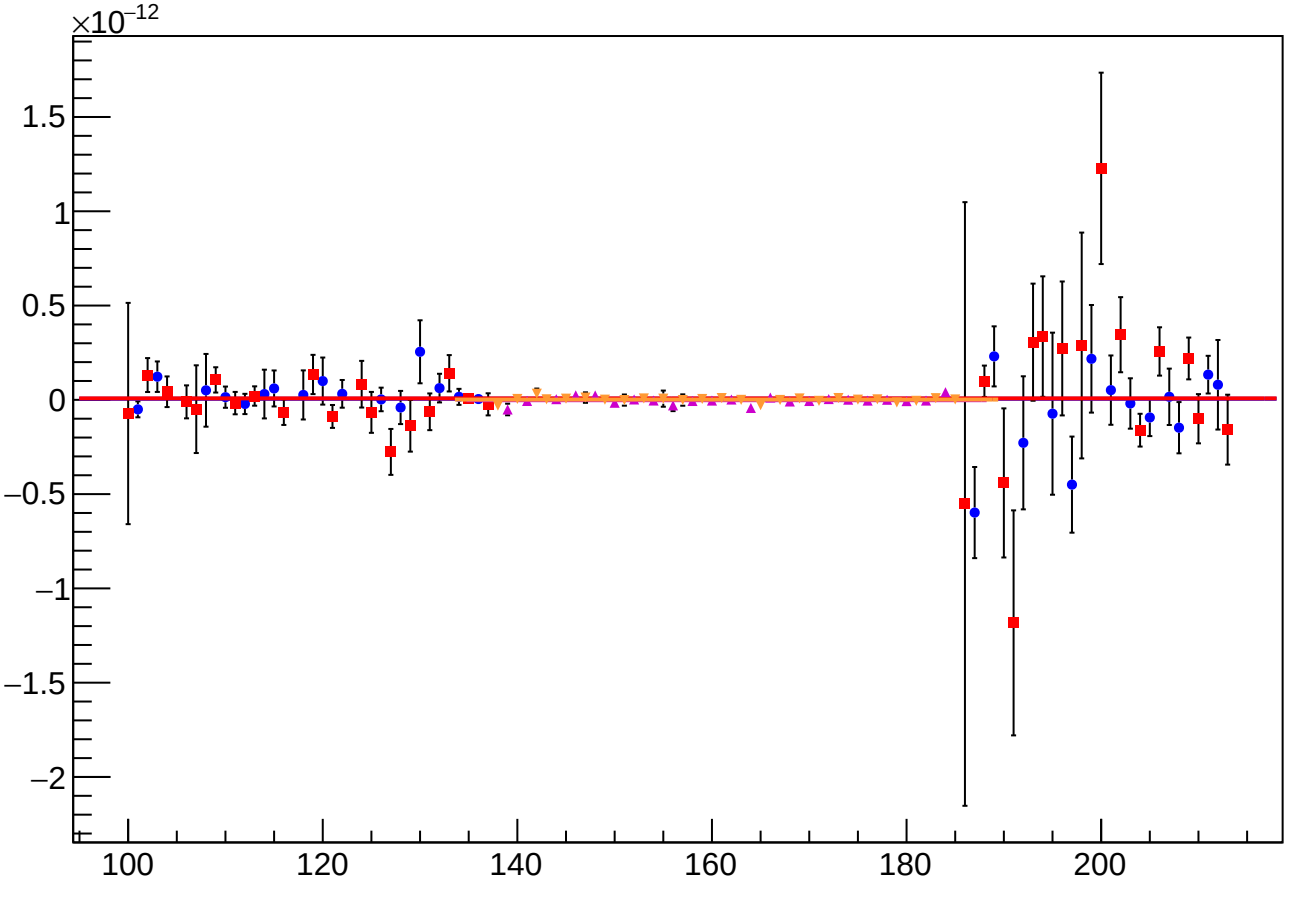
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.687+/-0.009 χ^2/NDF: 6565303.2/62

In: 32.114+/-0.005 χ^2/NDF:21536941.0/51

Out: 35.340+/-0.005 χ^2/NDF:23774596.6/58

All: 33.637+/-0.004 χ^2/NDF: 45497989.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/28

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

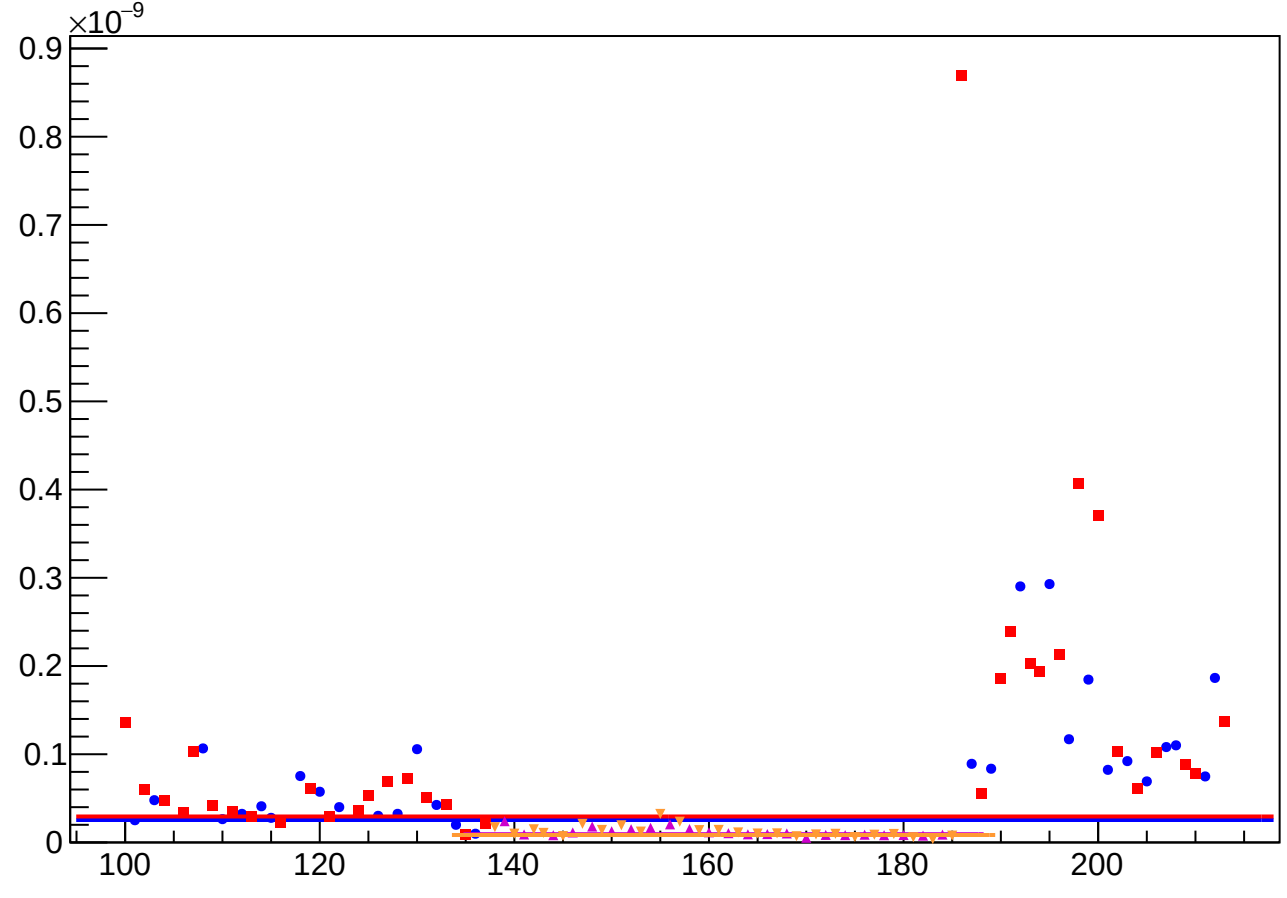
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 75.5/62

In: -0.000+/-0.000 χ^2/NDF:46.2/51

Out: 0.000+/-0.000 χ^2/NDF:62.0/58

All: 0.000+/-0.000 χ^2/NDF: 108.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 10576318.0/28

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

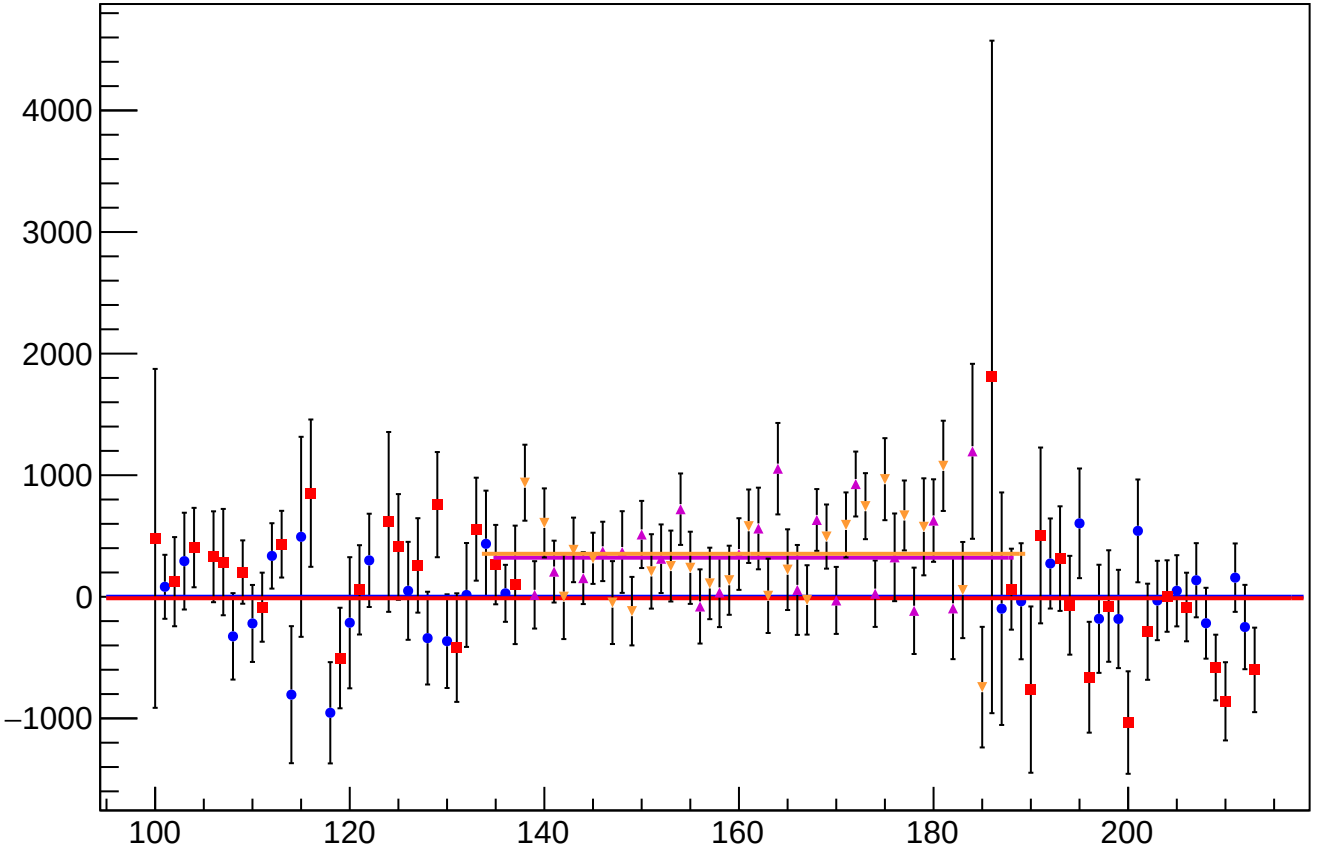
Right: 0.000+/-0.000 χ^2/NDF: 22049869.7/62

In: 0.000+/-0.000 χ^2/NDF:16258396.6/51

Out: 0.000+/-0.000 χ^2/NDF:20798479.5/58

All: 0.000+/-0.000 χ^2/NDF: 37180358.9/110

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 0.593+/-67.303 χ^2/NDF: 20.6/28

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

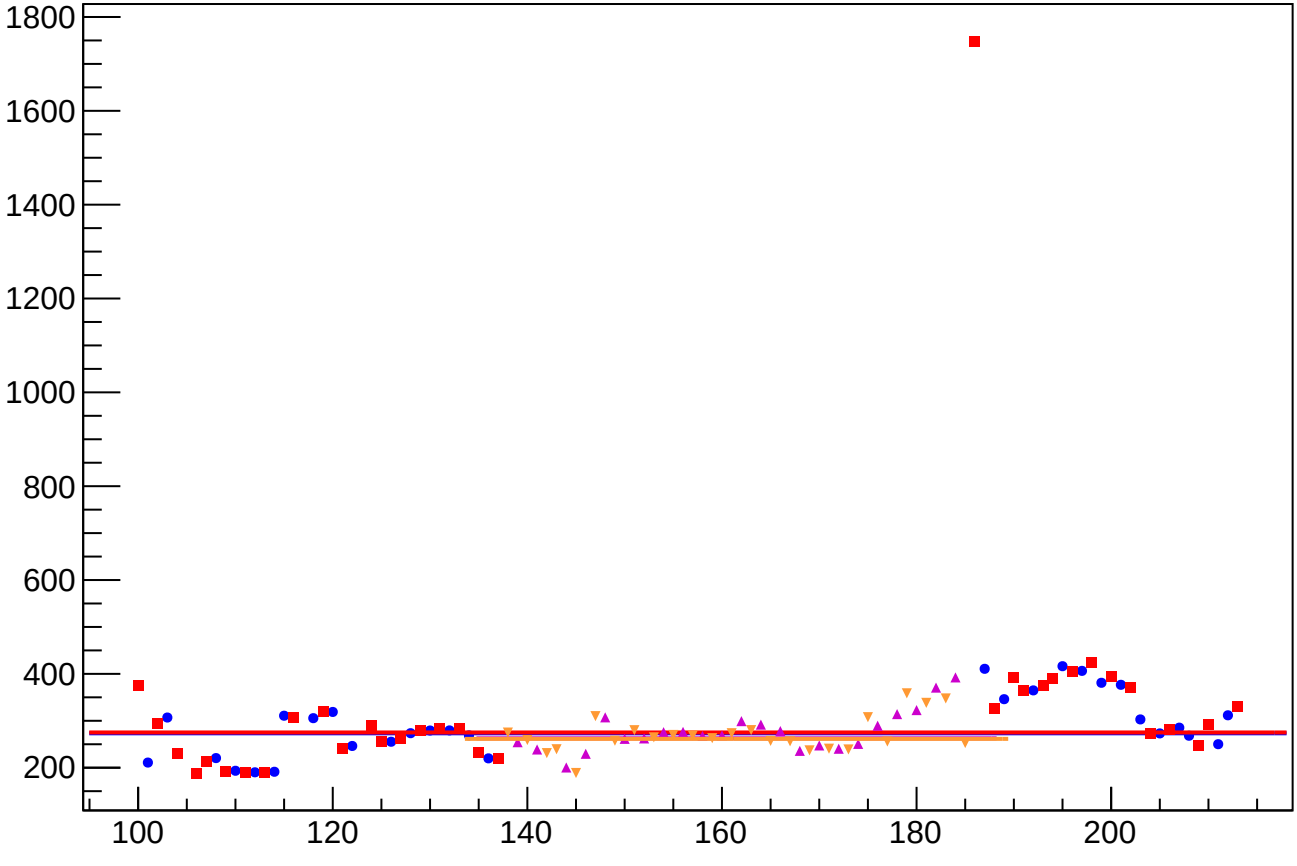
Right: -5.855+/-47.024 χ^2/NDF: 65.0/62

In: 173.900+/-45.645 χ^2/NDF:59.1/51

Out: 186.980+/-44.373 χ^2/NDF:93.5/58

All: 180.625+/-31.817 χ^2/NDF: 152.7/110

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 273.299+/-0.048 χ^2/NDF: 1590245.2/28

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

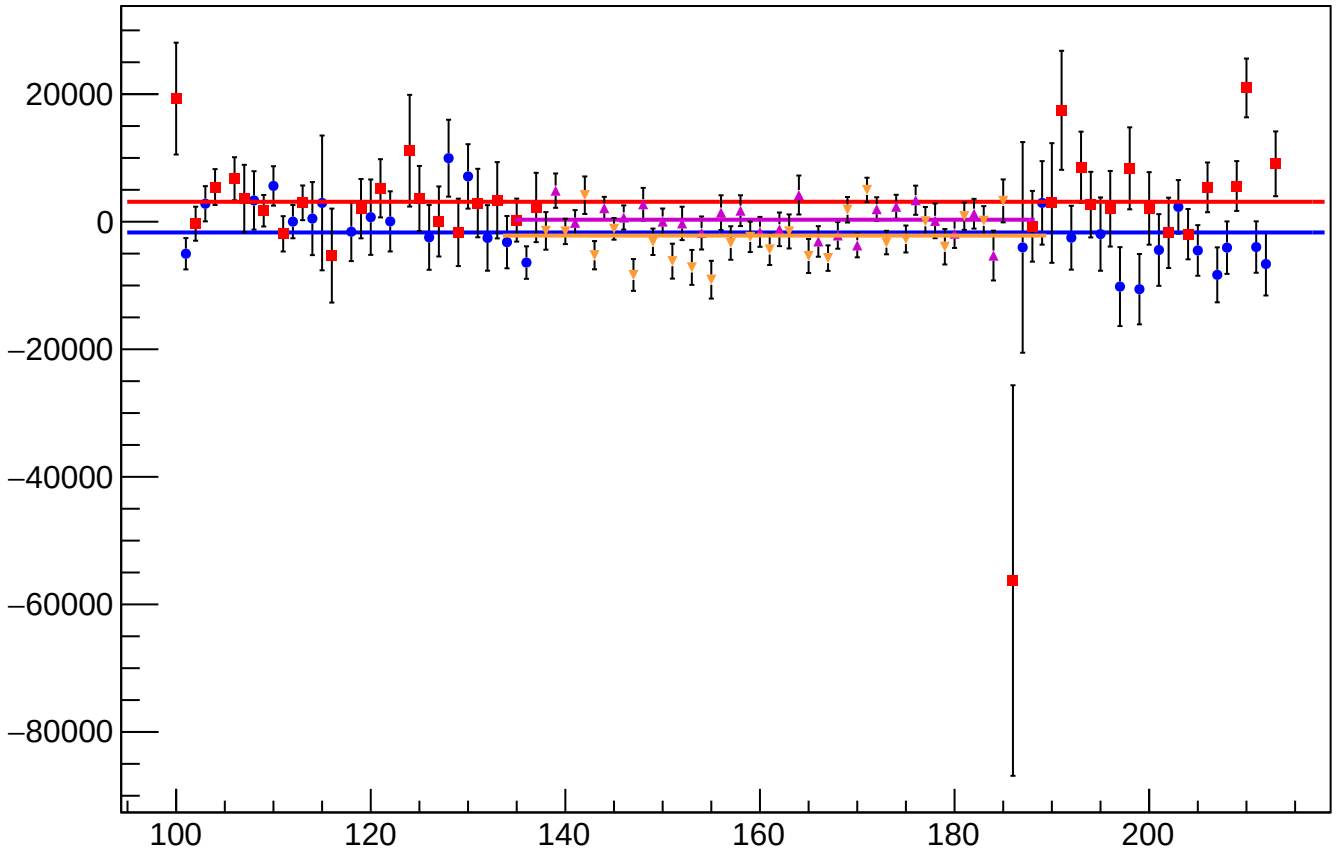
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 274.238+/-0.033 χ^2/NDF: 4190168.4/62

In: 267.530+/-0.032 χ^2/NDF:2288103.1/51

Out: 267.698+/-0.031 χ^2/NDF:3361675.5/58

All: 267.616+/-0.022 χ^2/NDF: 5649792.5/110



Right In: -1685.942+/-781.509 χ^2/NDF: 33.5/28

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

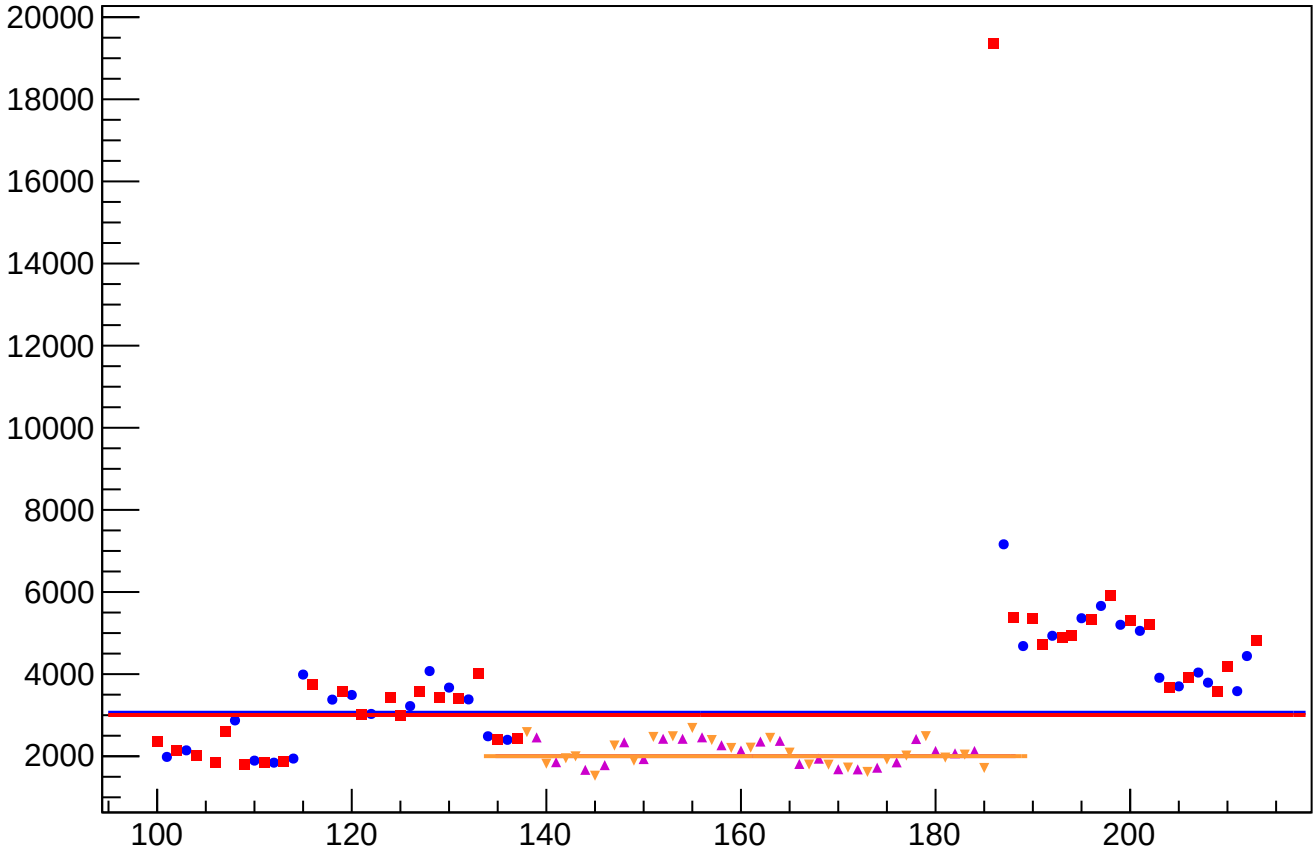
Right: 815.929+/-541.365 χ^2/NDF: 95.8/62

In: -224.185+/-405.335 χ^2/NDF:61.9/51

Out: -718.464+/-393.233 χ^2/NDF:134.3/58

All: -478.814+/-282.239 χ^2/NDF: 197.0/110

asym_sam4_reg_correction_rms vs Slug, Sign Corrected



Right In: 3059.305+/-0.553 χ^2/NDF: 3954886.8/28

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

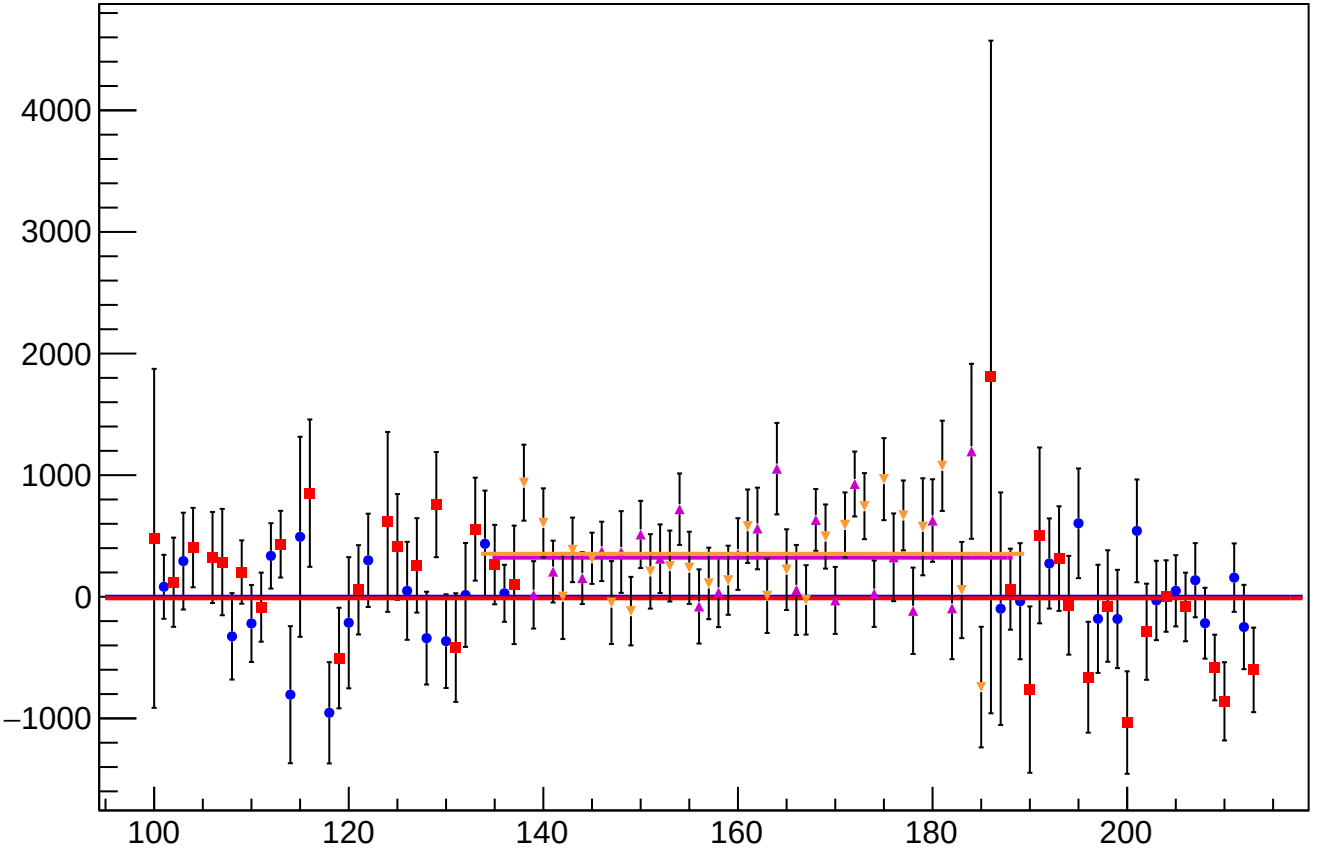
Right: 3031.239+/-0.383 χ^2/NDF: 9701329.3/62

In: 2288.060+/-0.287 χ^2/NDF:7324401.5/51

Out: 2277.520+/-0.278 χ^2/NDF:9225691.1/58

All: 2282.631+/-0.200 χ^2/NDF: 16550789.2/

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: 0.581+/-67.303 χ^2/NDF: 20.6/28

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

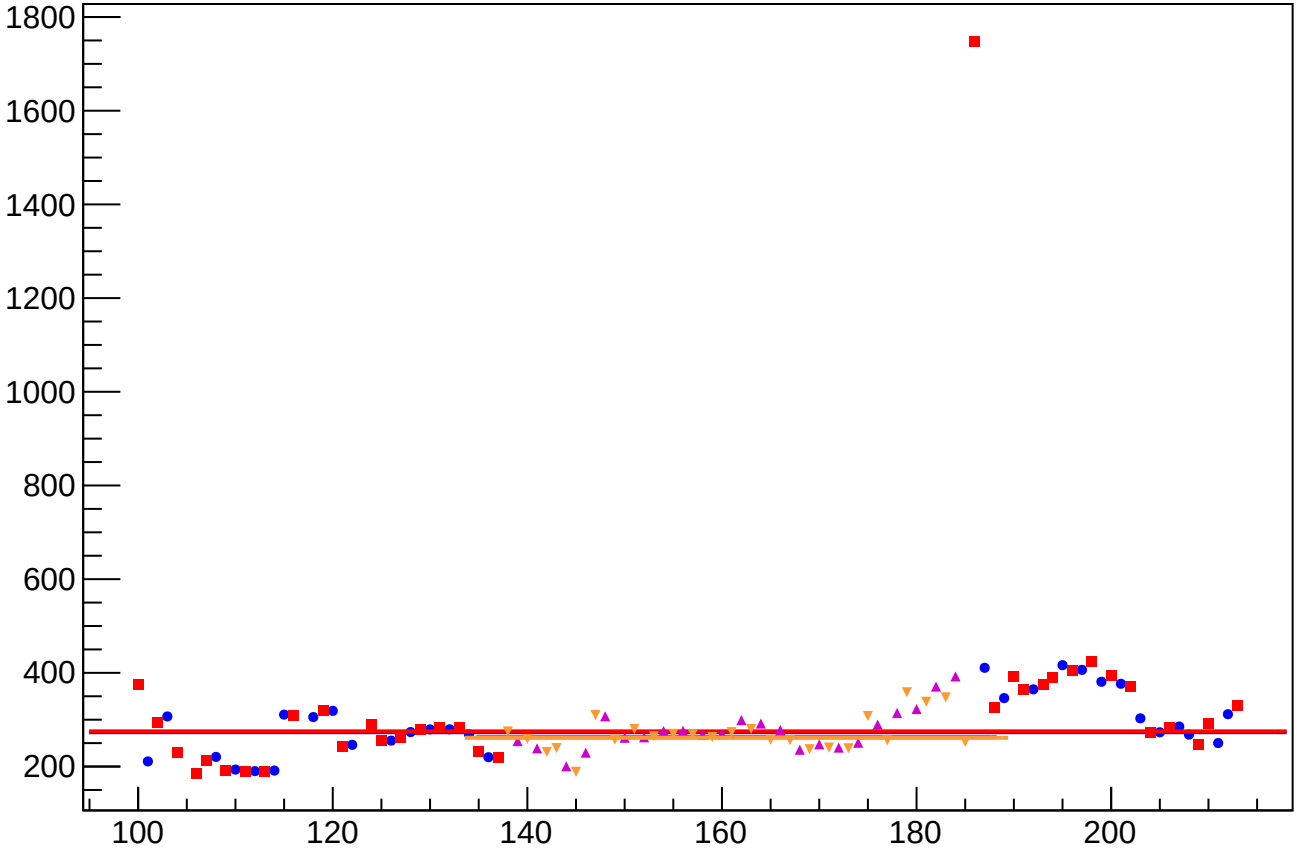
Right: -6.060+/-47.026 χ^2/NDF: 64.9/62

In: 173.897+/-45.645 χ^2/NDF:59.1/51

Out: 186.831+/-44.375 χ^2/NDF:93.5/58

All: 180.546+/-31.817 χ^2/NDF: 152.7/110

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 273.299+/-0.048 χ^2/NDF: 1590246.6/28

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

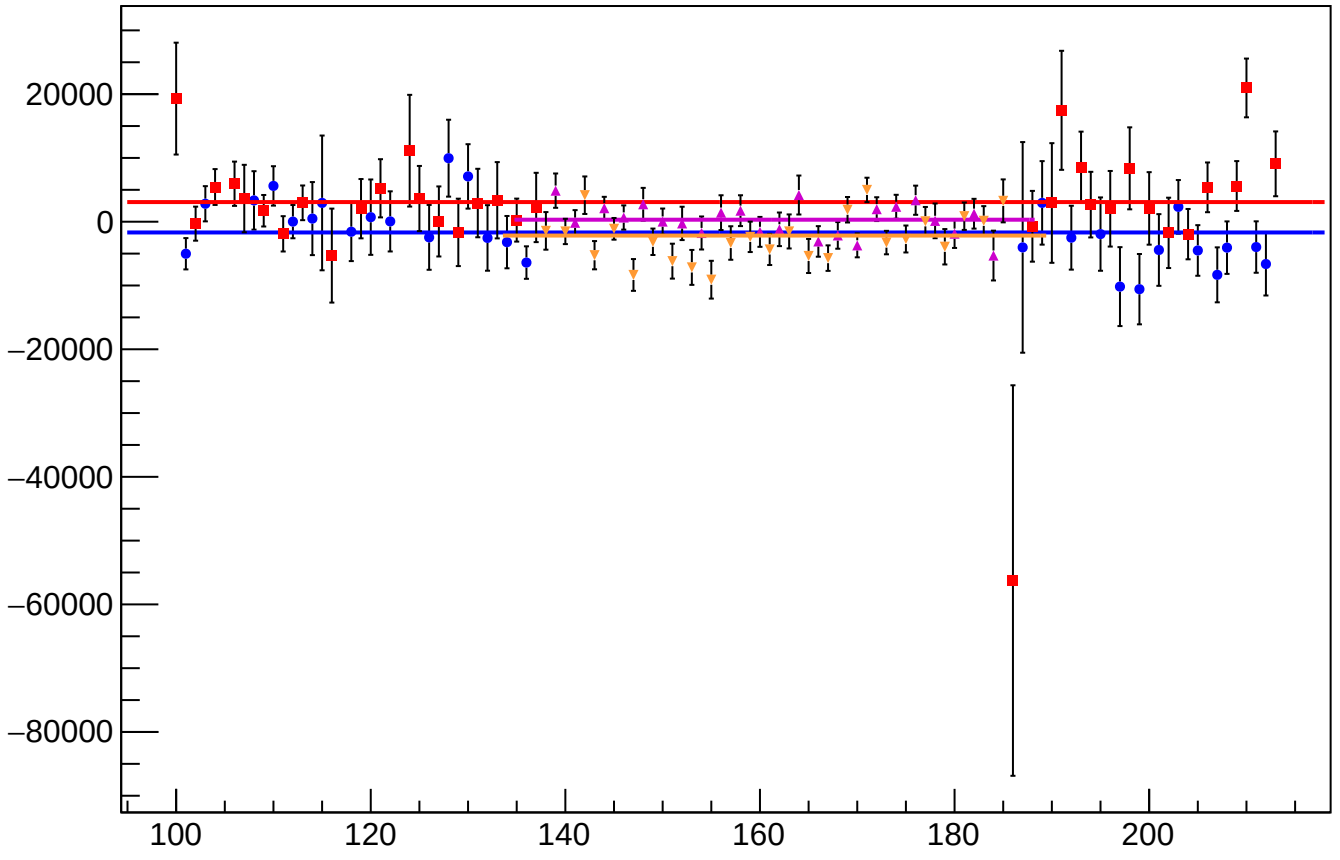
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 274.207+/-0.033 χ^2/NDF: 4196050.8/62

In: 267.530+/-0.032 χ^2/NDF:2288104.7/51

Out: 267.669+/-0.031 χ^2/NDF:3367182.9/58

All: 267.601+/-0.022 χ^2/NDF: 5655297.3/110



Right In: -1686.066+/-781.514 χ^2/NDF: 33.5/28

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

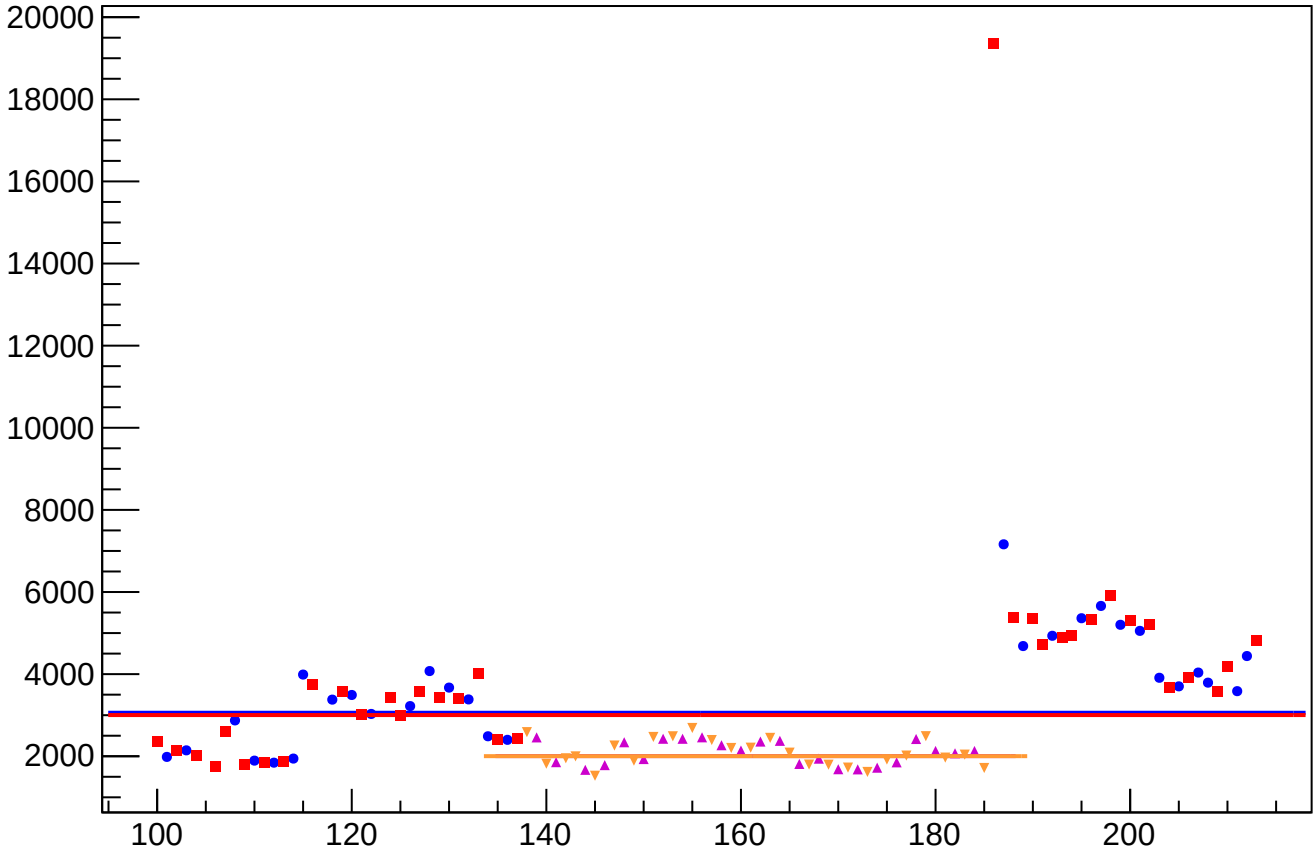
Right: 789.375+/-541.742 χ^2/NDF: 95.0/62

In: -224.210+/-405.336 χ^2/NDF:61.9/51

Out: -733.540+/-393.376 χ^2/NDF:133.1/58

All: -486.500+/-282.292 χ^2/NDF: 195.9/110

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



Right In: 3059.329+/-0.553 χ^2/NDF: 3954777.1/28

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

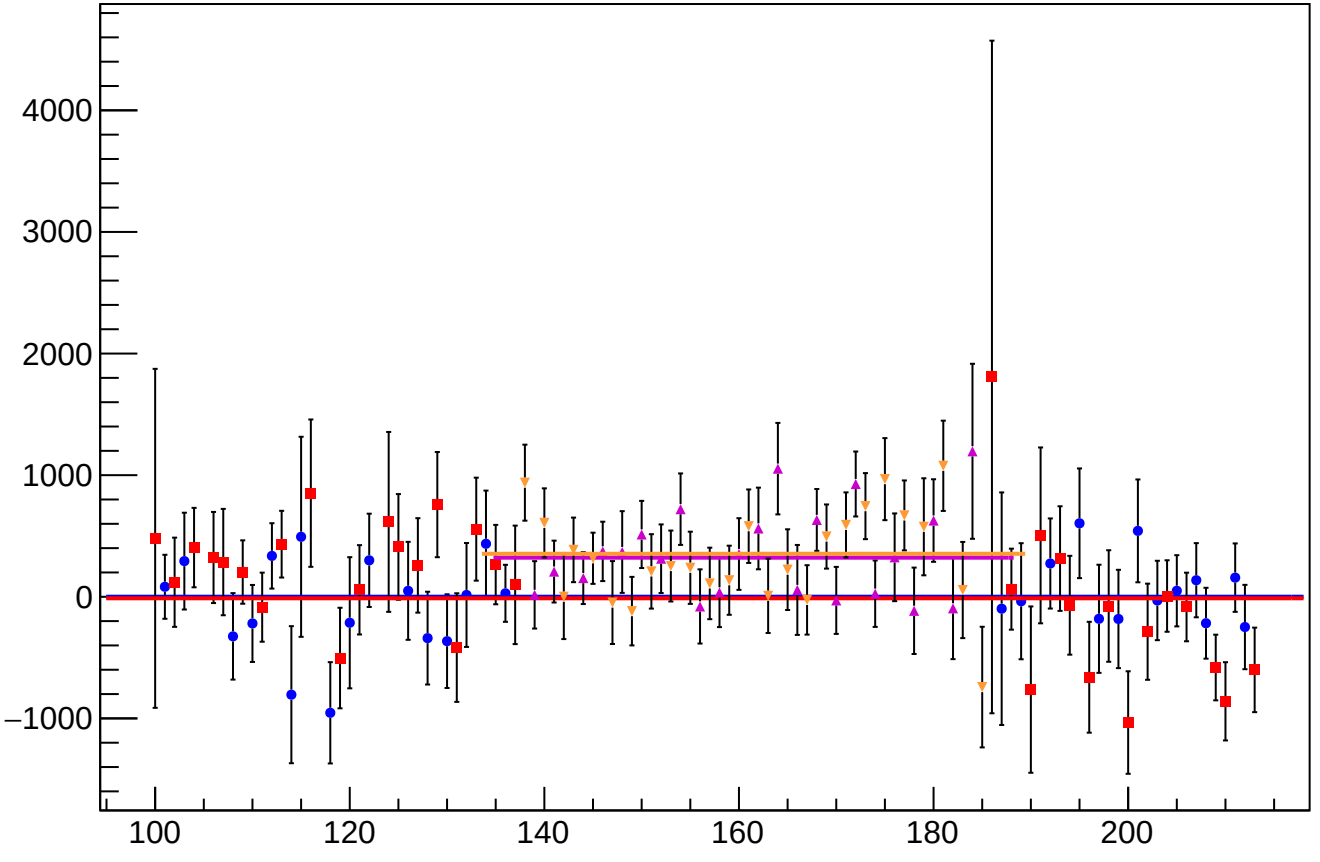
Right: 3030.188+/-0.383 χ^2/NDF: 9733542.5/62

In: 2288.065+/-0.287 χ^2/NDF:7324387.6/51

Out: 2276.410+/-0.278 χ^2/NDF:9241725.5/58

All: 2282.063+/-0.200 χ^2/NDF: 16566964.6/1

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: 0.581+/-67.303 χ^2/NDF: 20.6/28

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

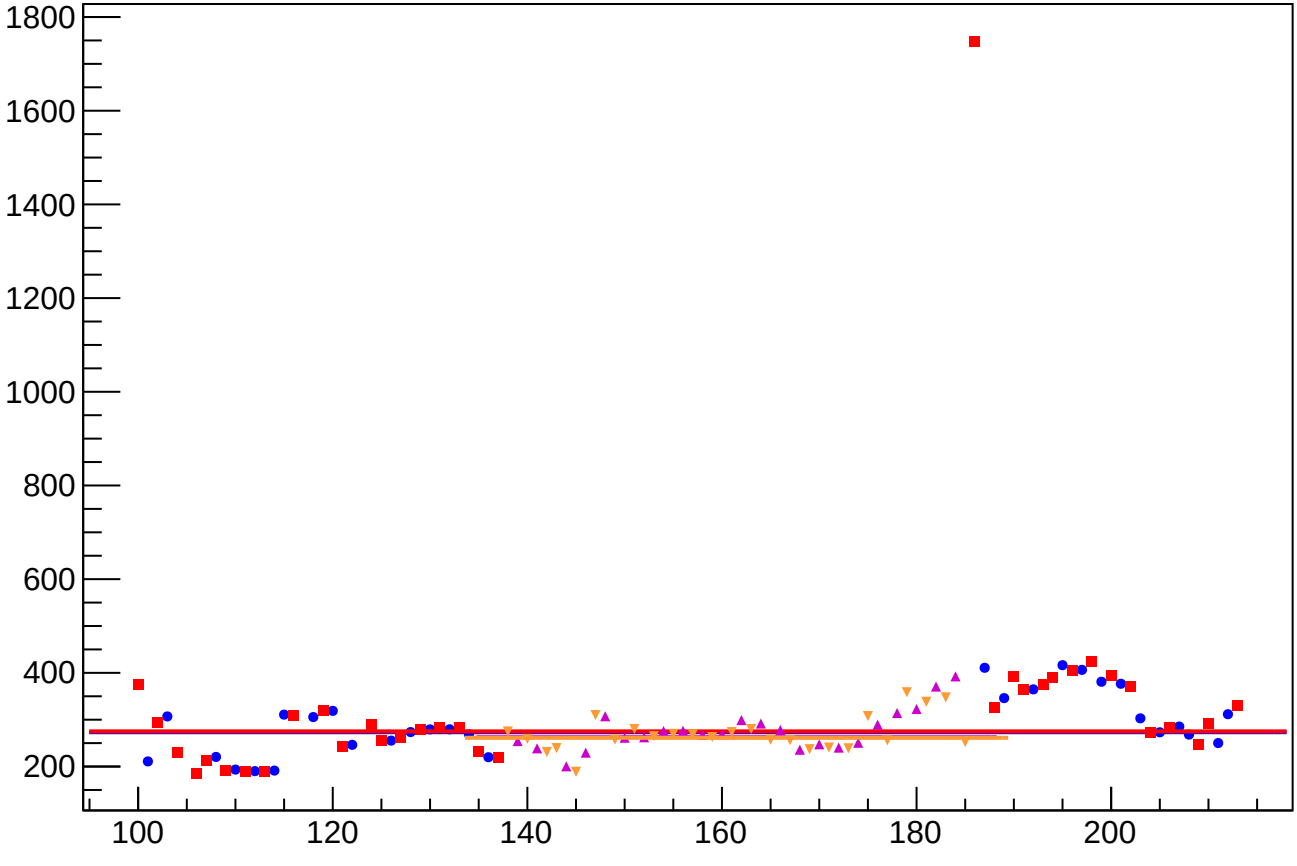
Right: -6.060+/-47.026 χ^2/NDF: 64.9/62

In: 173.897+/-45.645 χ^2/NDF:59.1/51

Out: 186.831+/-44.375 χ^2/NDF:93.5/58

All: 180.546+/-31.817 χ^2/NDF: 152.7/110

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 273.299+/-0.048 χ^2/NDF: 1590246.6/28

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

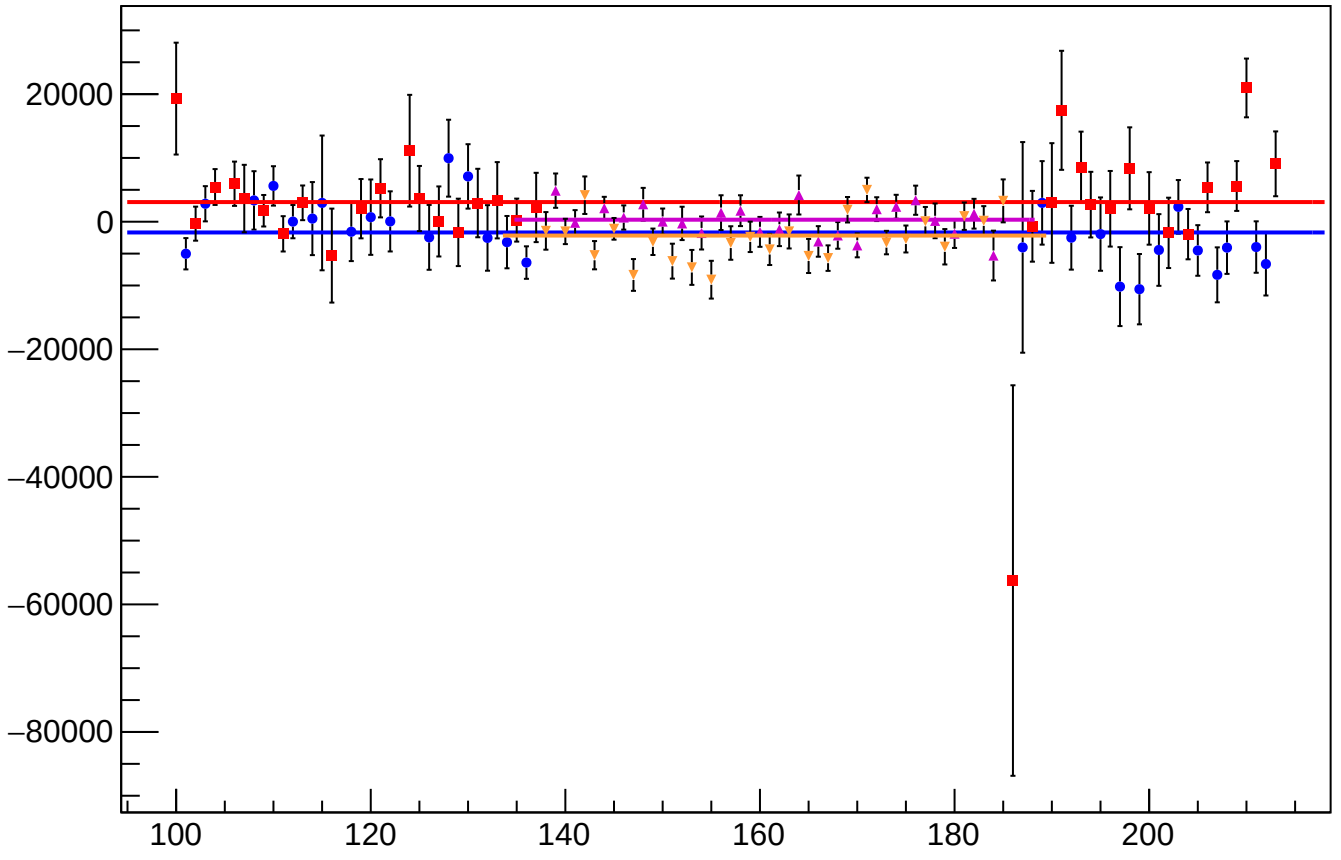
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 274.207+/-0.033 χ^2/NDF: 4196050.8/62

In: 267.530+/-0.032 χ^2/NDF:2288104.7/51

Out: 267.669+/-0.031 χ^2/NDF:3367182.9/58

All: 267.601+/-0.022 χ^2/NDF: 5655297.3/110



Right In: -1686.066+/-781.514 χ^2/NDF: 33.5/28

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

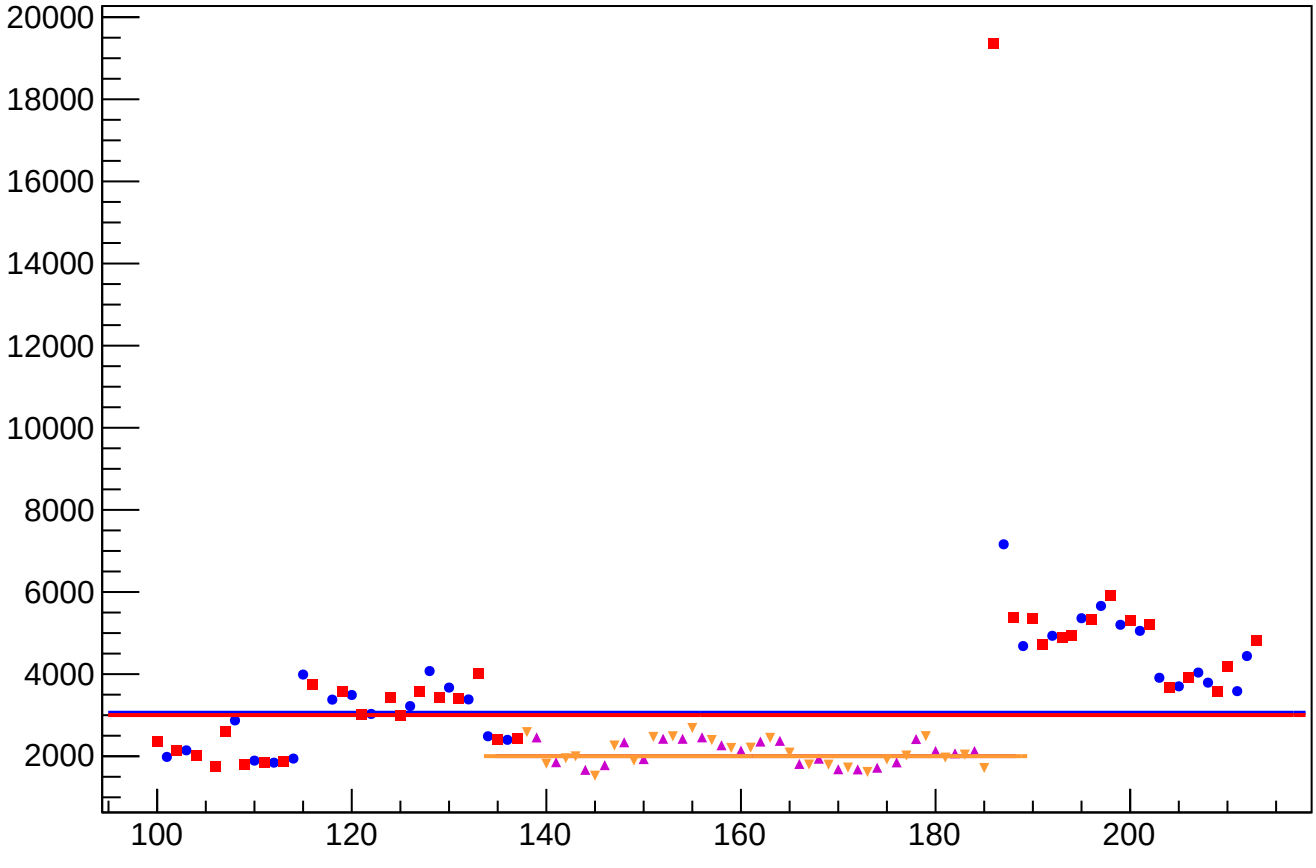
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 789.375+/-541.742 χ^2/NDF: 95.0/62

In: -224.210+/-405.336 χ^2/NDF:61.9/51

Out: -733.540+/-393.376 χ^2/NDF:133.1/58

All: -486.500+/-282.292 χ^2/NDF: 195.9/110



Right In: 3059.329+/-0.553 χ^2/NDF: 3954777.1/28

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

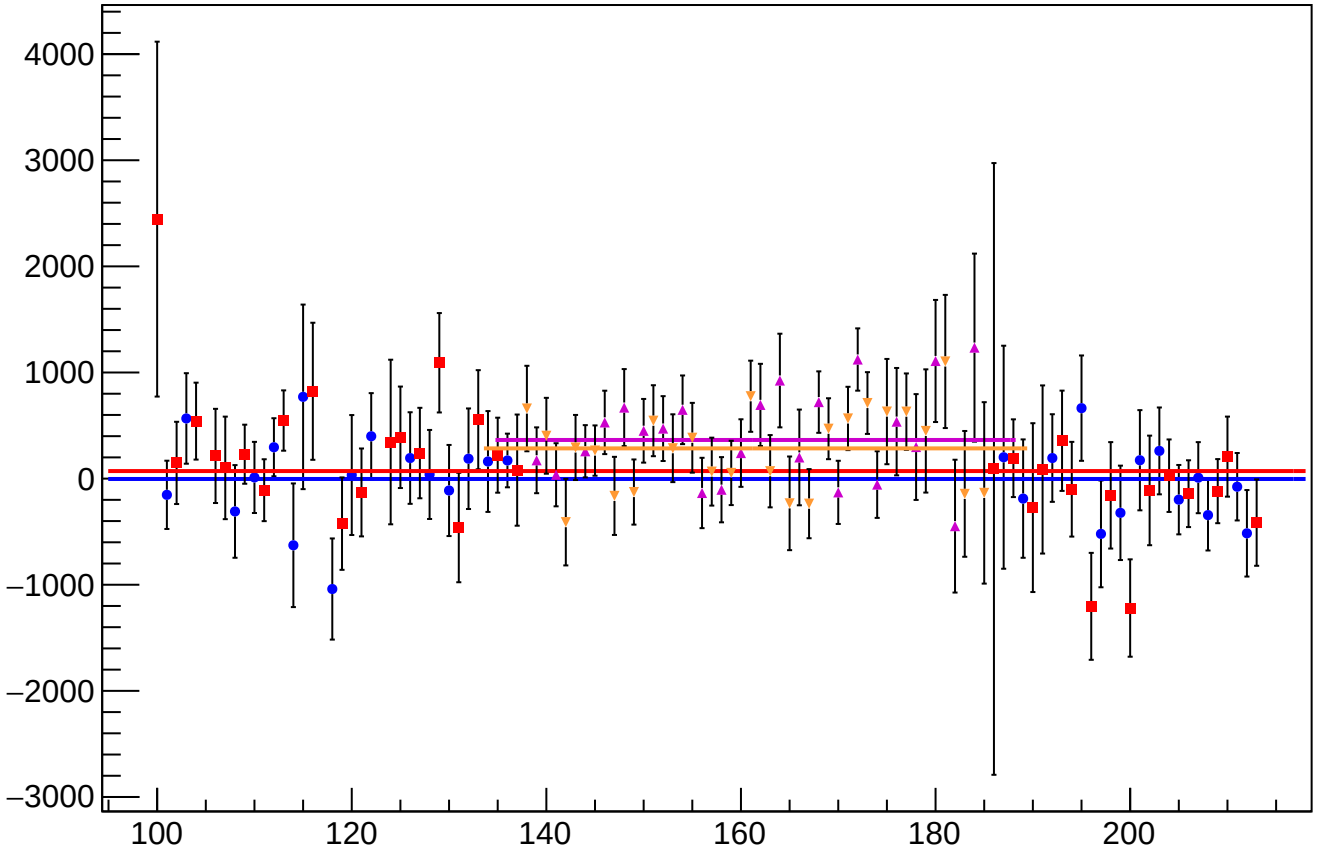
Right: 3030.188+/-0.383 χ^2/NDF: 9733542.5/62

In: 2288.065+/-0.287 χ^2/NDF:7324387.6/51

Out: 2276.410+/-0.278 χ^2/NDF:9241725.5/58

All: 2282.063+/-0.200 χ^2/NDF: 16566964.6/1

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: -3.367+/-74.897 χ^2/NDF: 19.7/28

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

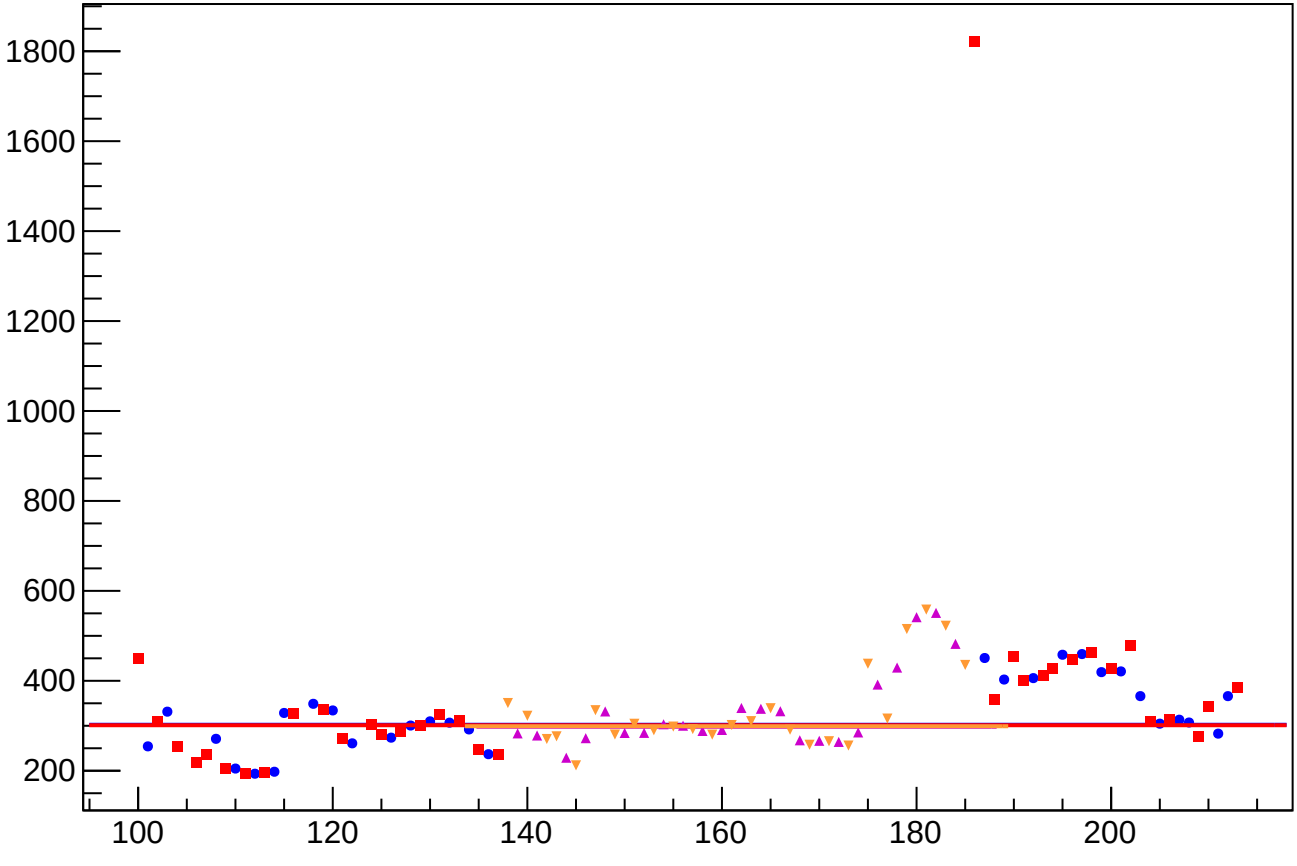
Right: 35.099+/-52.109 χ^2/NDF: 56.2/62

In: 188.375+/-51.798 χ^2/NDF:60.5/51

Out: 181.810+/-50.387 χ^2/NDF:63.2/58

All: 185.002+/-36.118 χ^2/NDF: 123.8/110

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 302.251+/-0.053 χ^2/NDF: 1802879.1/28

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

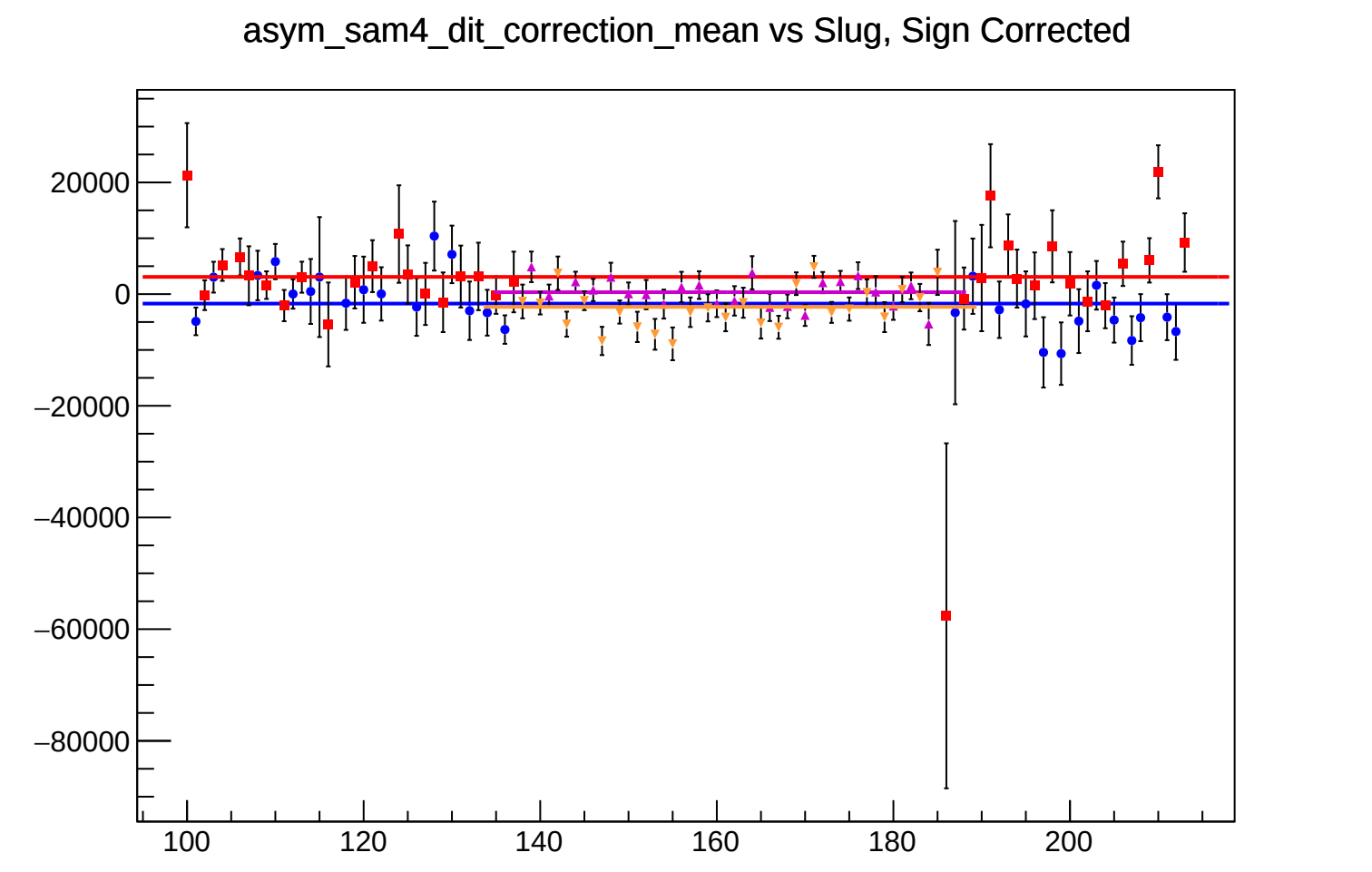
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 301.722+/-0.037 χ^2/NDF: 4737693.2/62

In: 299.973+/-0.037 χ^2/NDF:3125485.8/51

Out: 300.042+/-0.036 χ^2/NDF:4548728.2/58

All: 300.008+/-0.026 χ^2/NDF: 7674215.7/110



Right In: -1698.508+/-790.759 χ^2/NDF: 33.4/28

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

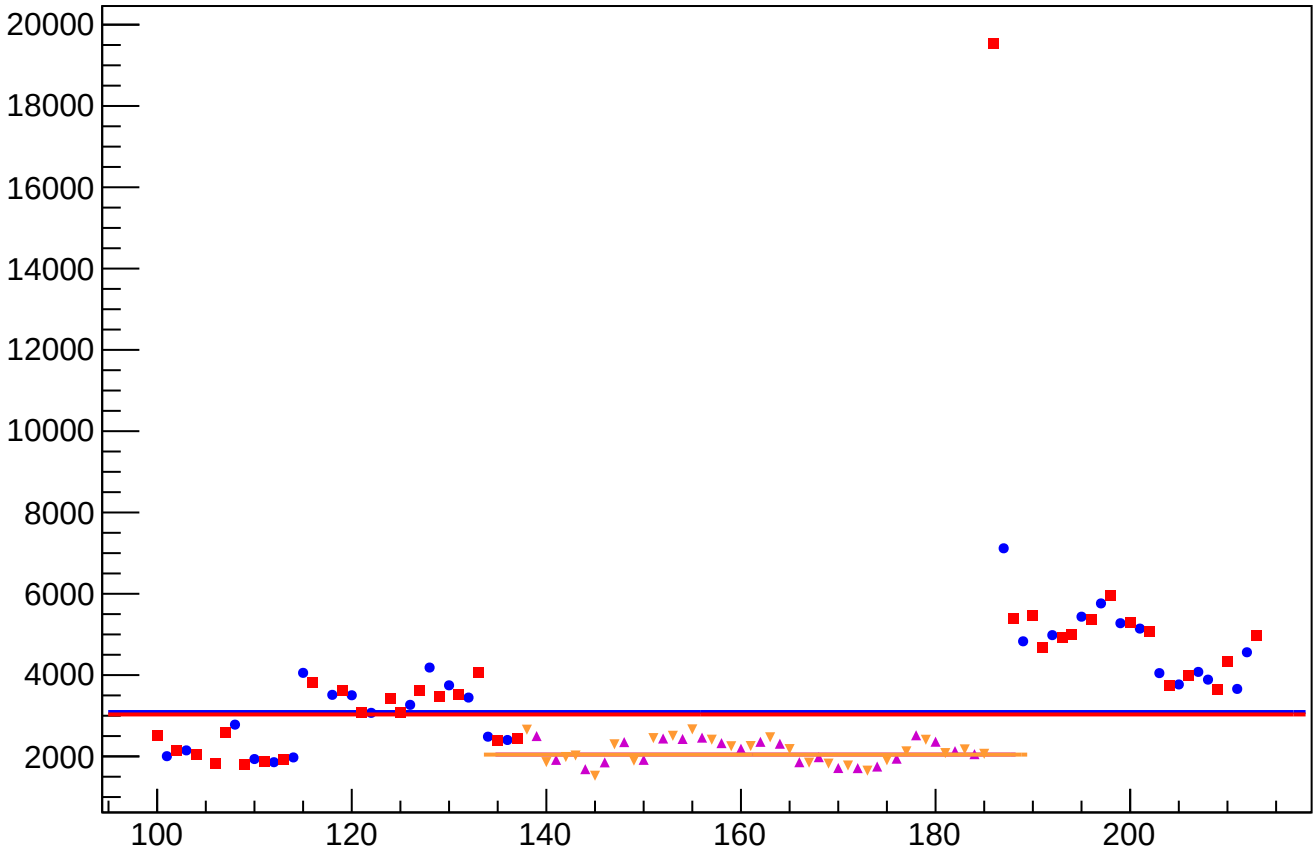
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 793.979+/-547.014 χ^2/NDF: 96.4/62

In: -212.999+/-412.567 χ^2/NDF:61.1/51

Out: -795.338+/-399.689 χ^2/NDF:131.9/58

All: -513.399+/-287.068 χ^2/NDF: 194.0/110



Right In: 3091.299+/-0.559 χ^2/NDF: 4063849.6/28

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 3031.792+/-0.536 χ^2/NDF: 5778521.9/33

Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

Left: 2044.442+/-0.238 χ^2/NDF: 1543620.1/47

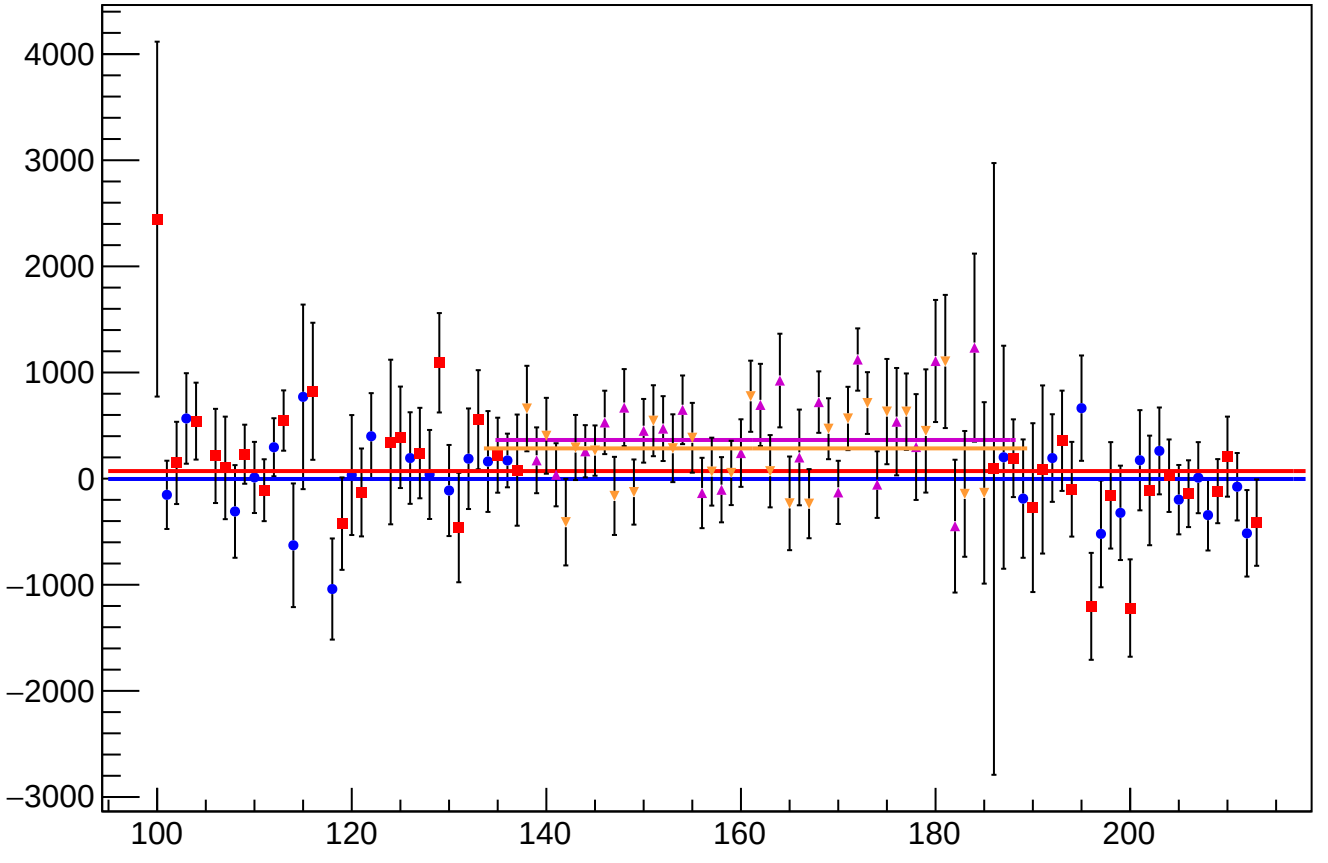
Right: 3060.268+/-0.387 χ^2/NDF: 9848277.6/62

In: 2329.940+/-0.292 χ^2/NDF:7301559.9/51

Out: 2318.823+/-0.283 χ^2/NDF:9087249.9/58

All: 2324.206+/-0.203 χ^2/NDF: 16389559.0/

eigen_dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: -3.363+/-74.897 χ^2/NDF: 19.7/28

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

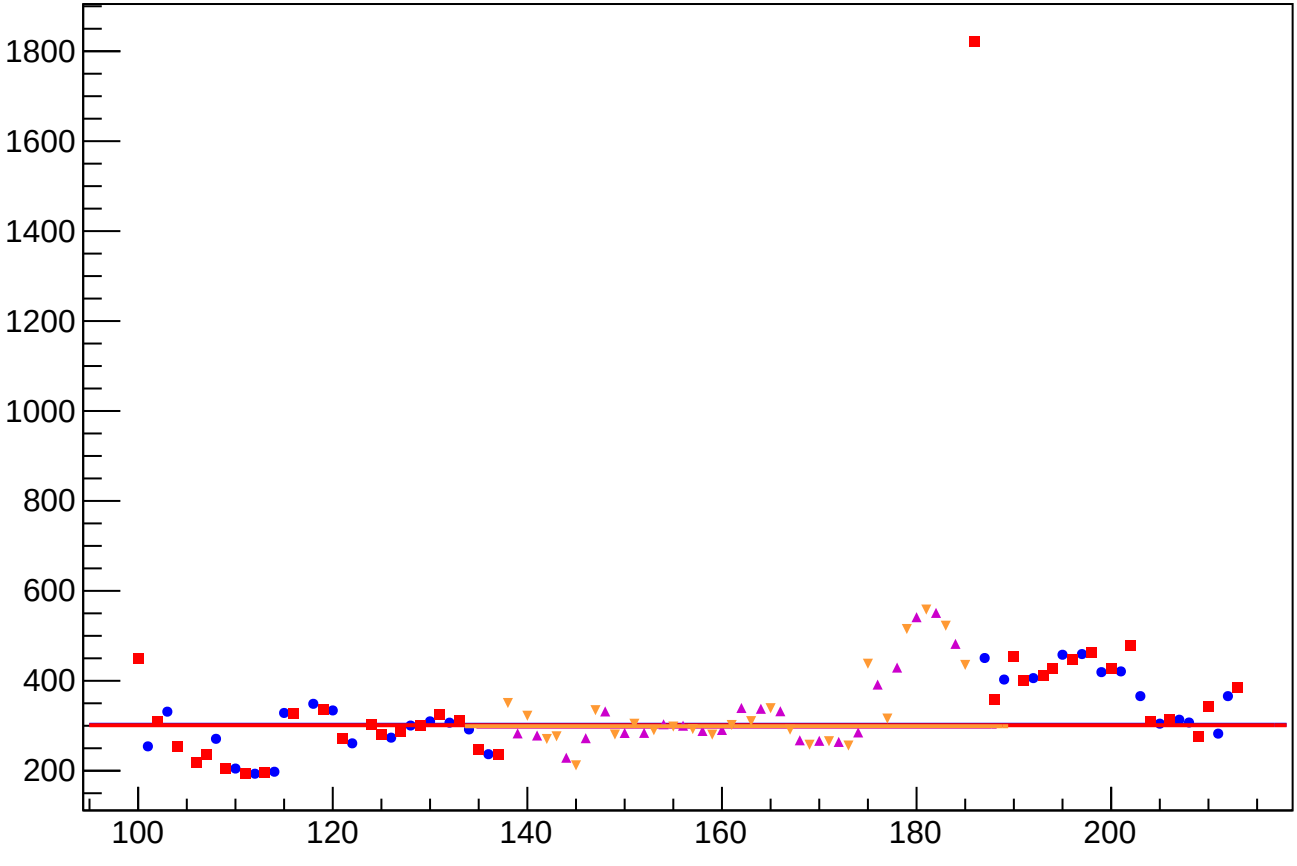
Right: 35.099+/-52.109 χ^2/NDF: 56.2/62

In: 188.378+/-51.798 χ^2/NDF:60.5/51

Out: 181.811+/-50.387 χ^2/NDF:63.2/58

All: 185.003+/-36.118 χ^2/NDF: 123.8/110

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 302.251+/-0.053 χ^2/NDF: 1802864.2/28

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

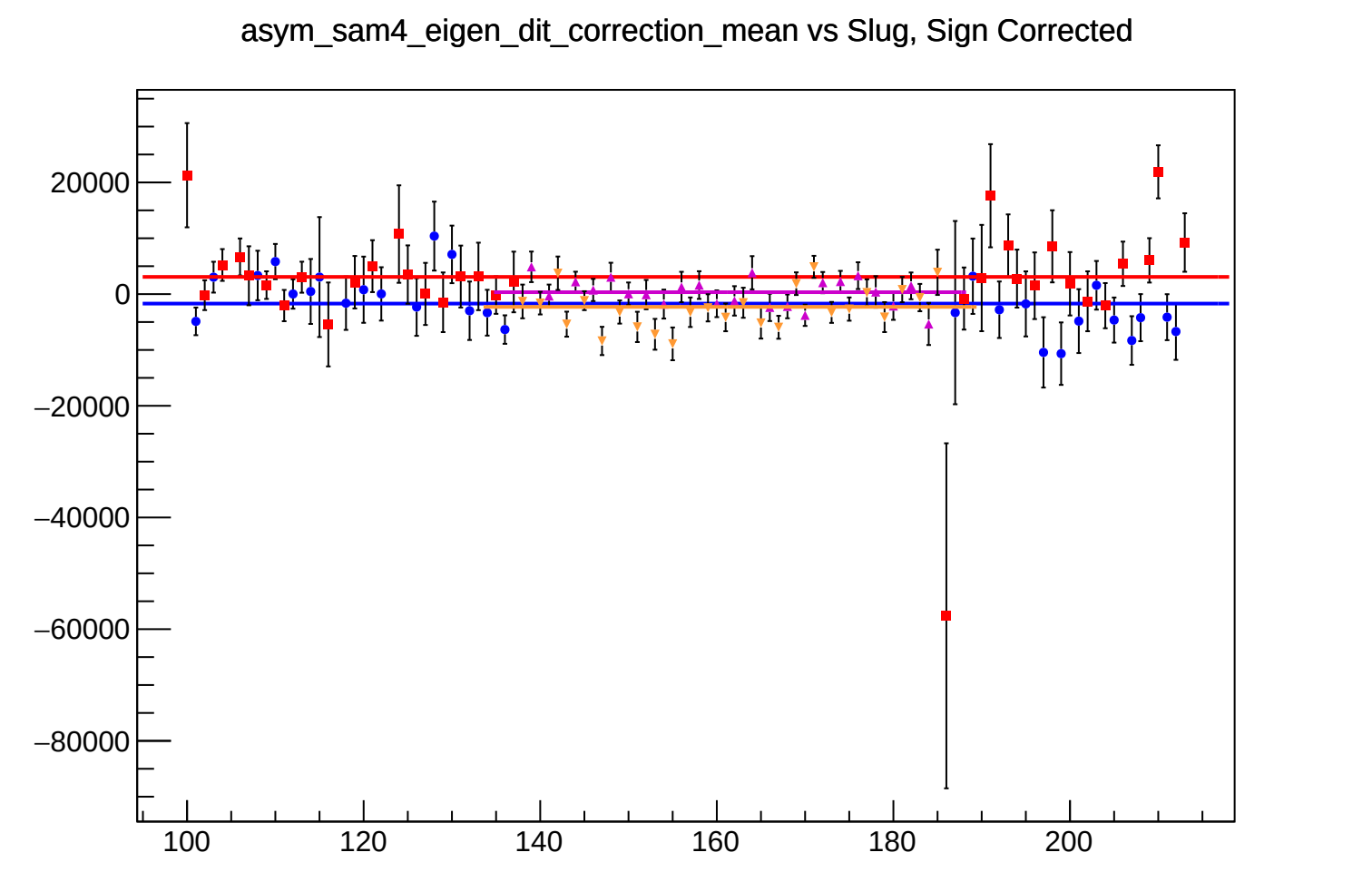
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 301.722+/-0.037 χ^2/NDF: 4737680.6/62

In: 299.973+/-0.037 χ^2/NDF:3125452.1/51

Out: 300.042+/-0.036 χ^2/NDF:4548727.4/58

All: 300.009+/-0.026 χ^2/NDF: 7674181.3/110



Right In: -1698.505+/-790.758 χ^2/NDF: 33.4/28

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

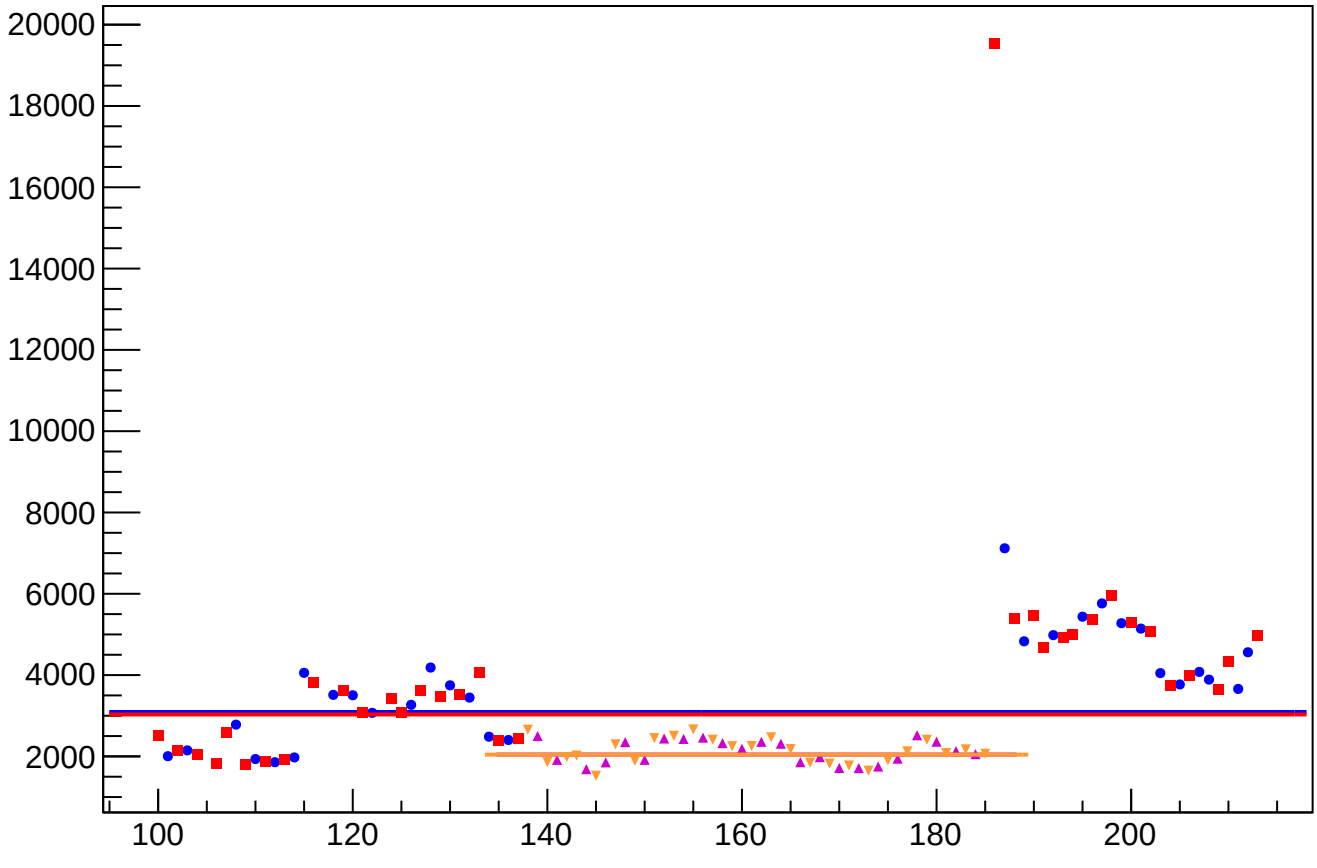
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 793.978+/-547.014 χ^2/NDF: 96.4/62

In: -213.000+/-412.566 χ^2/NDF:61.1/51

Out: -795.337+/-399.689 χ^2/NDF:131.9/58

All: -513.399+/-287.067 χ^2/NDF: 194.0/110



Right In: 3091.297+/-0.559 χ^2/NDF: 4063849.0/28

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

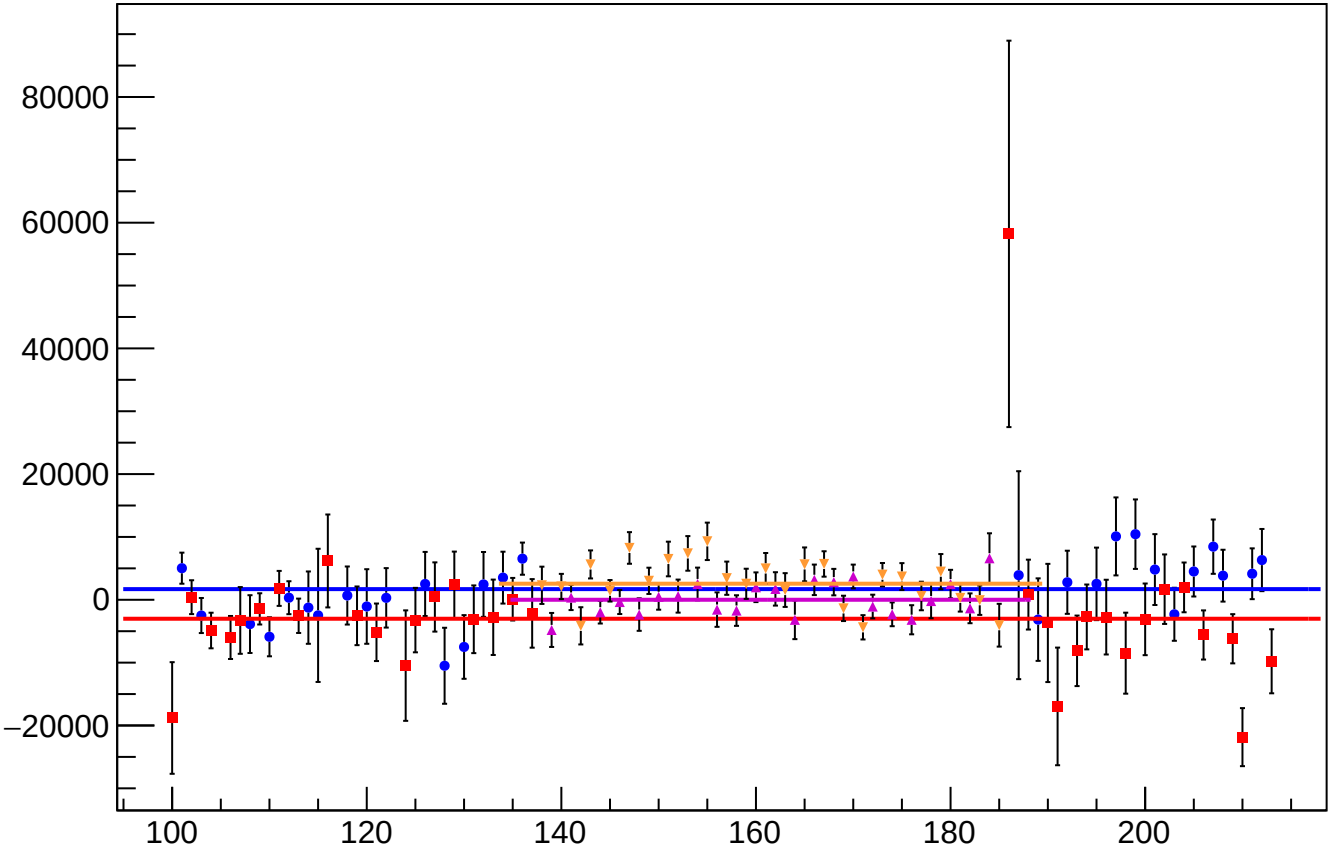
Right: 3060.266+/-0.387 χ^2/NDF: 9848273.4/62

In: 2329.938+/-0.292 χ^2/NDF:7301566.6/51

Out: 2318.820+/-0.283 χ^2/NDF:9087258.0/58

All: 2324.203+/-0.203 χ^2/NDF: 16389573.8/1

asym_sam4_mean vs Slug, Sign Corrected



Right In: 1697.317+/-785.166 χ^2/NDF: 34.4/28

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

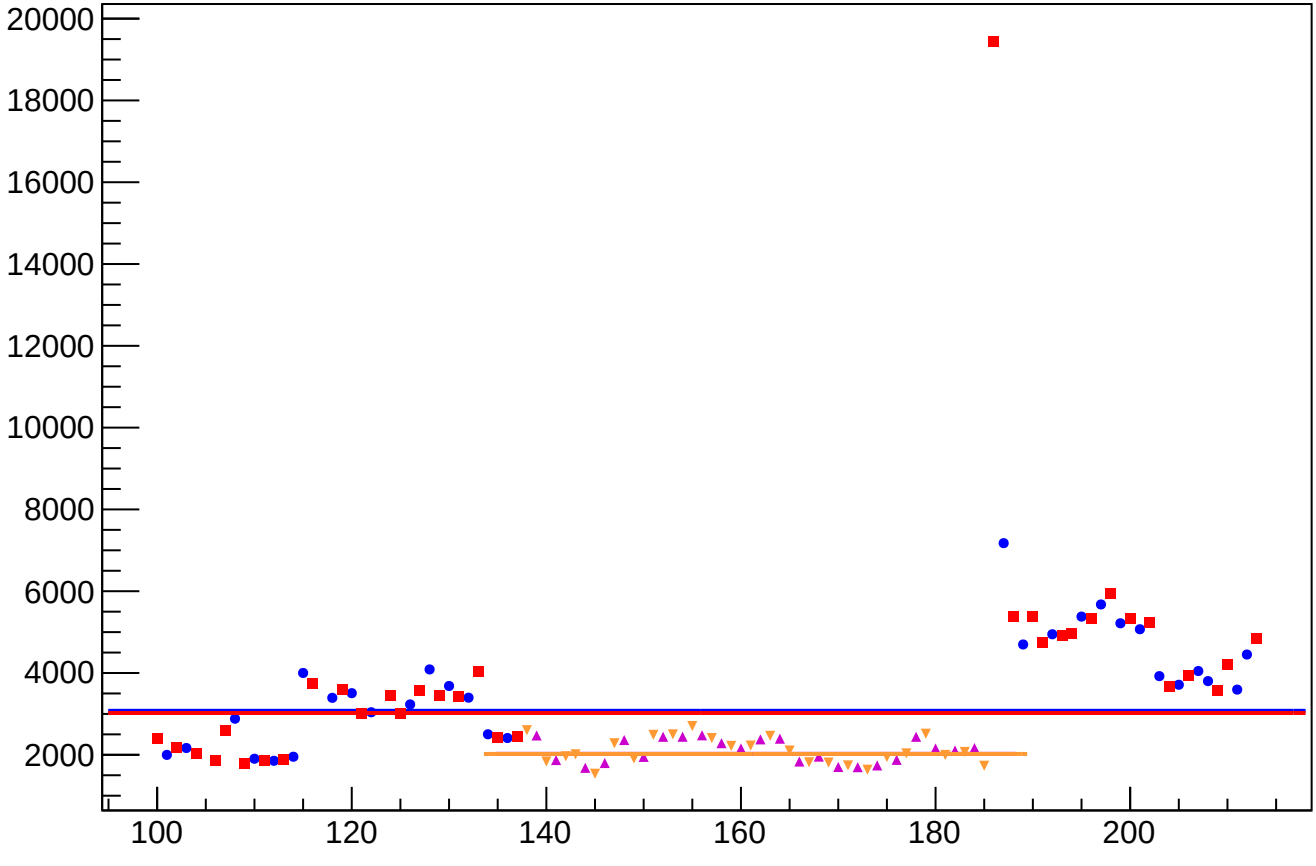
Right: -753.363+/-544.032 χ^2/NDF: 97.4/62

In: 462.216+/-408.610 χ^2/NDF:62.4/51

Out: 1019.784+/-396.442 χ^2/NDF:136.5/58

All: 749.426+/-284.531 χ^2/NDF: 199.9/110

asym_sam4_rms vs Slug, Sign Corrected



Right In: 3075.327+/-0.555 χ^2/NDF: 3921770.2/28

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

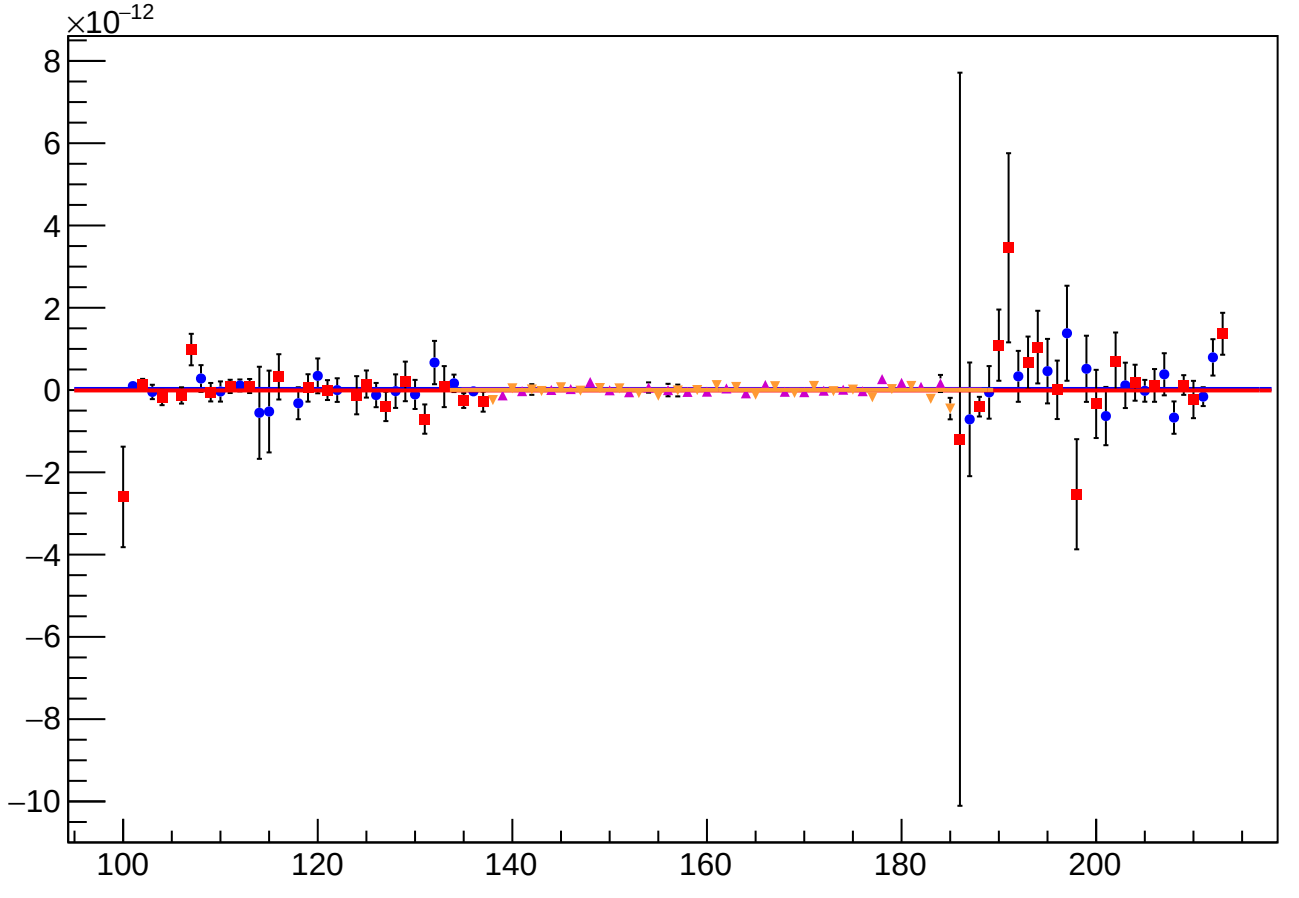
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 3047.856+/-0.385 χ^2/NDF: 9625107.9/62

In: 2308.208+/-0.289 χ^2/NDF:7236032.7/51

Out: 2297.684+/-0.280 χ^2/NDF:9129525.1/58

All: 2302.787+/-0.201 χ^2/NDF: 16366241.1/1



Right In: 0.000+/-0.000 χ^2/NDF: 17.0/28

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

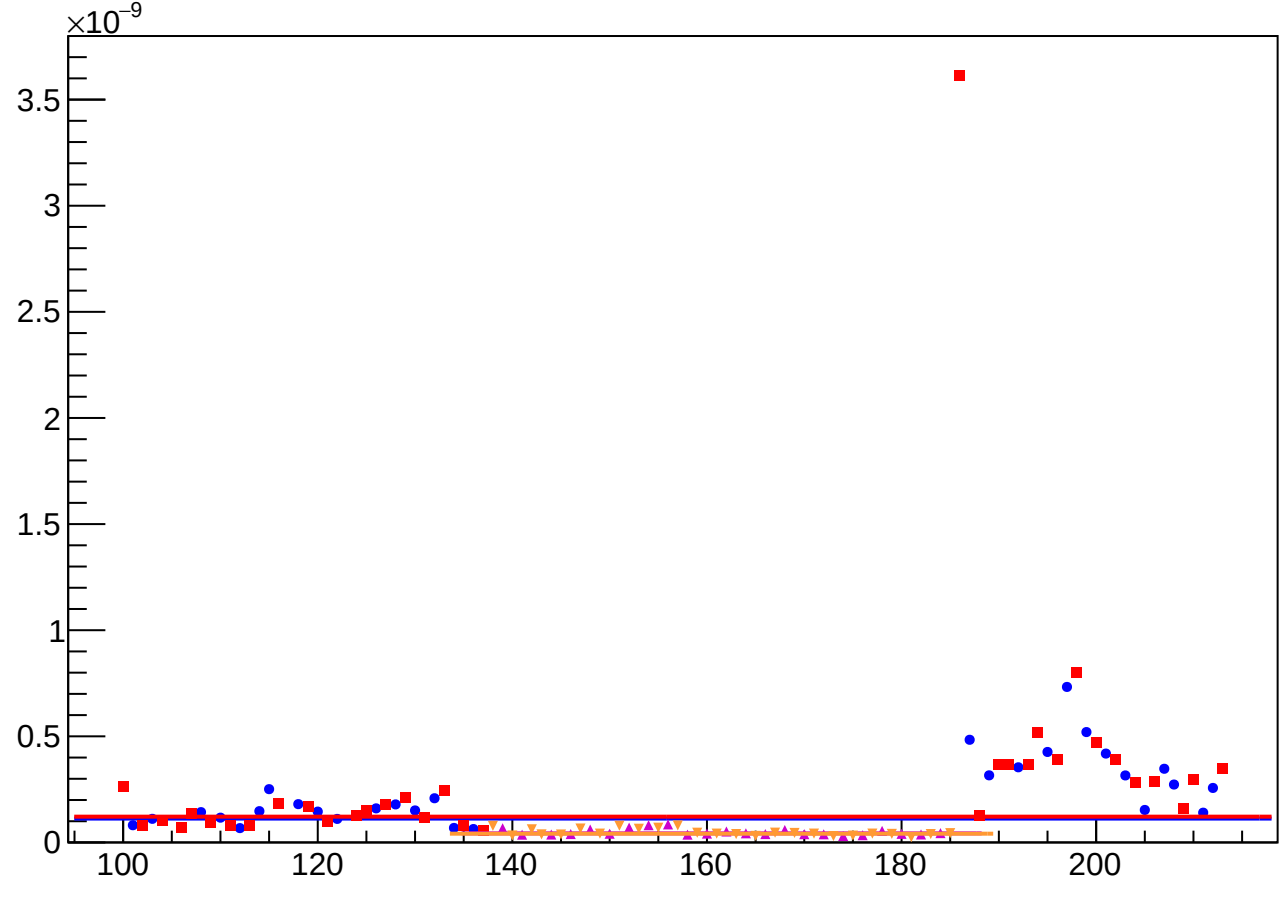
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 62.6/62

In: 0.000+/-0.000 χ^2/NDF:37.9/51

Out: 0.000+/-0.000 χ^2/NDF:77.5/58

All: 0.000+/-0.000 χ^2/NDF: 115.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 5030743.2/28

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

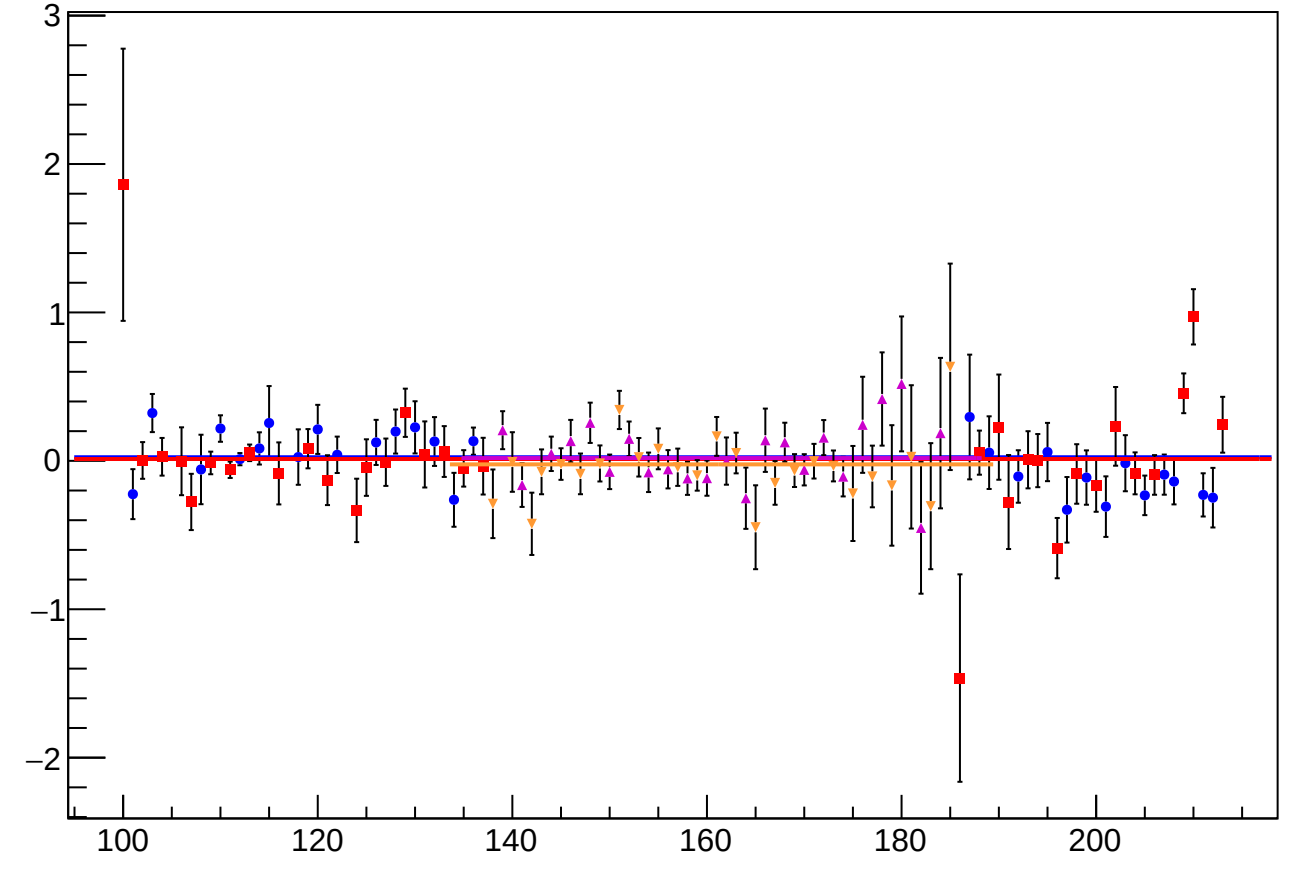
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10327507.0/62

In: 0.000+/-0.000 χ^2/NDF:9634463.9/51

Out: 0.000+/-0.000 χ^2/NDF:11030670.0/58

All: 0.000+/-0.000 χ^2/NDF: 20683914.1/110



Right In: 0.024+/-0.024 χ^2/NDF: 39.7/28

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

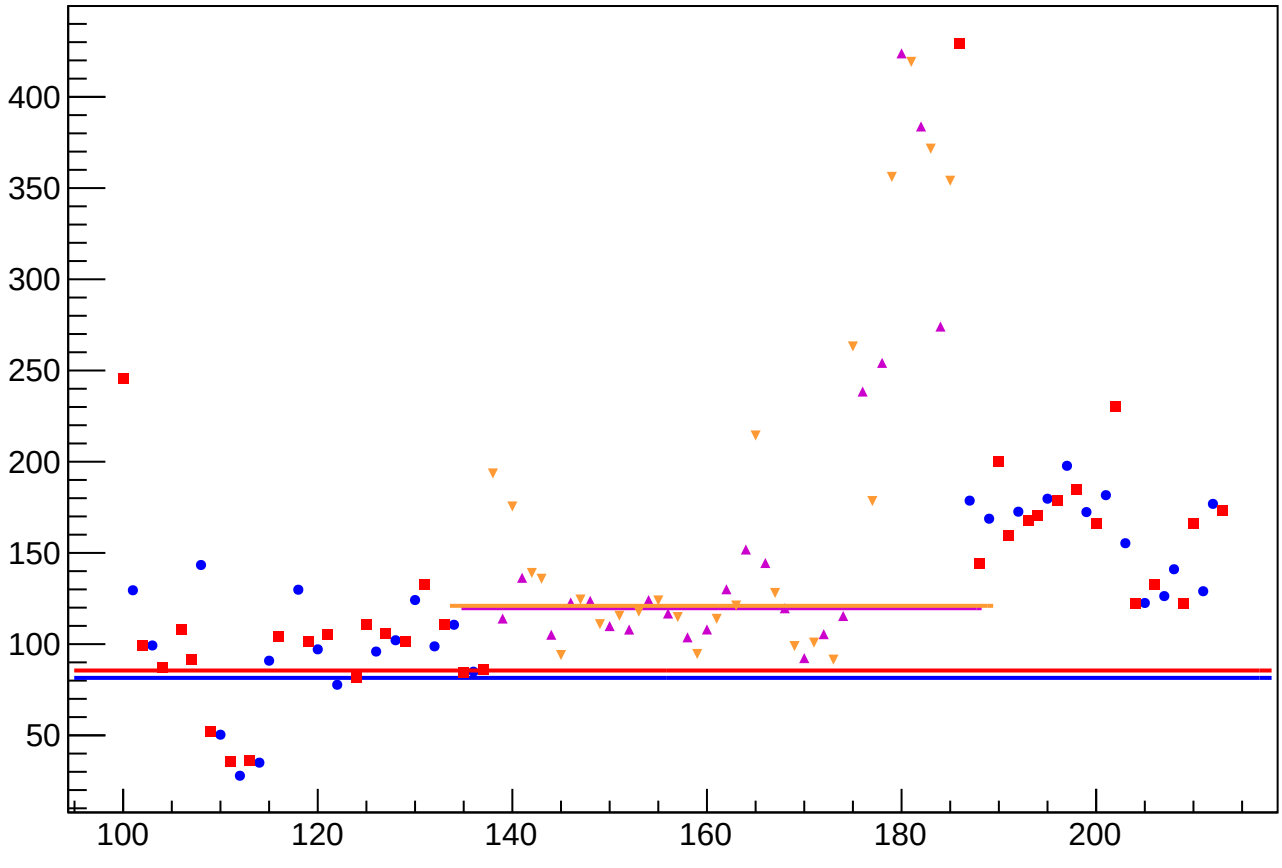
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.018+/-0.017 χ^2/NDF: 113.0/62

In: 0.022+/-0.019 χ^2/NDF:62.7/51

Out: -0.001+/-0.018 χ^2/NDF:96.4/58

All: 0.010+/-0.013 χ^2/NDF: 159.9/110



Right In: 81.495+/-0.017 χ^2/NDF: 9356932.4/28

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

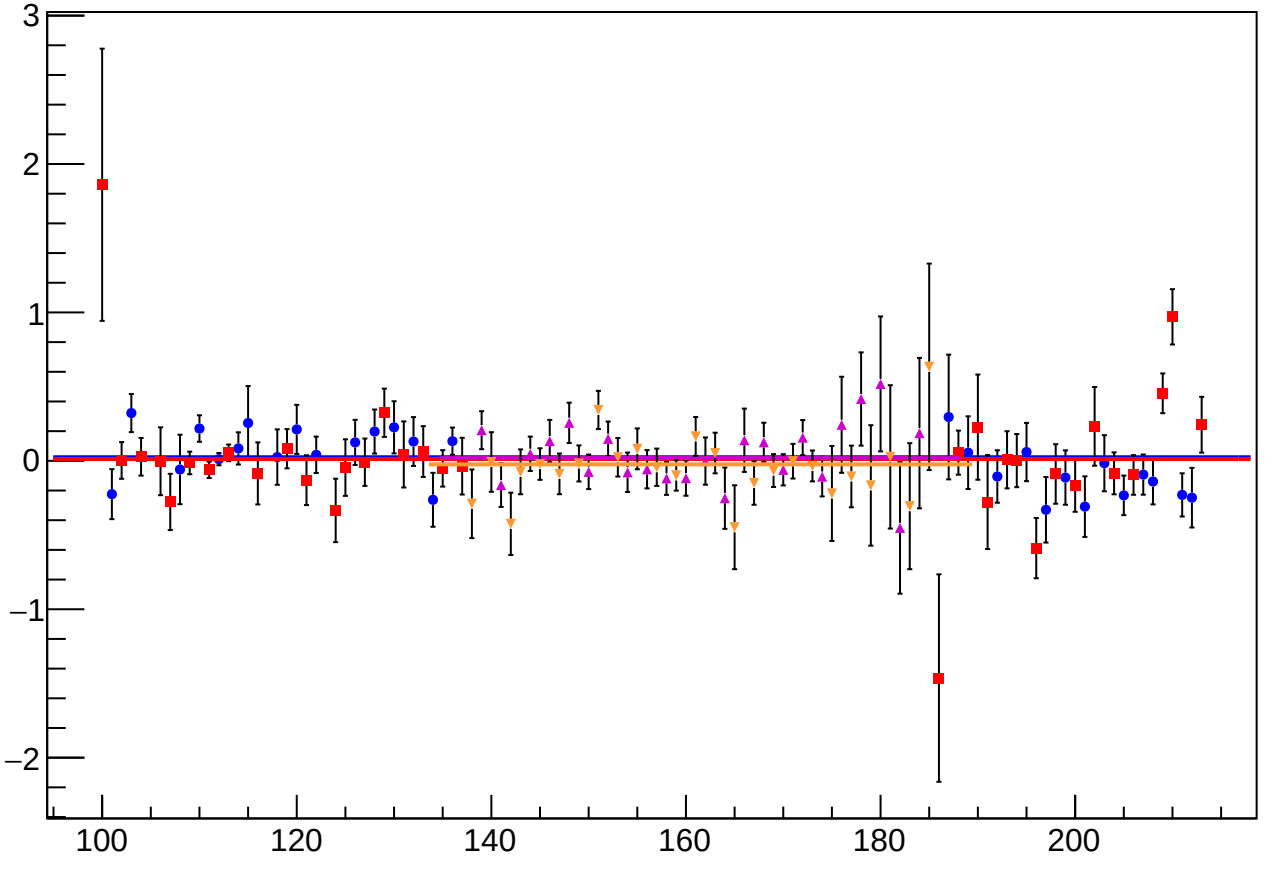
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 83.545+/-0.012 χ^2/NDF: 18573503.7/62

In: 96.045+/-0.013 χ^2/NDF:14170872.3/51

Out: 99.008+/-0.013 χ^2/NDF:15026502.3/58

All: 97.544+/-0.009 χ^2/NDF: 29222907.3/110



Right In: 0.024+/-0.024 χ^2/NDF: 39.7/28

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

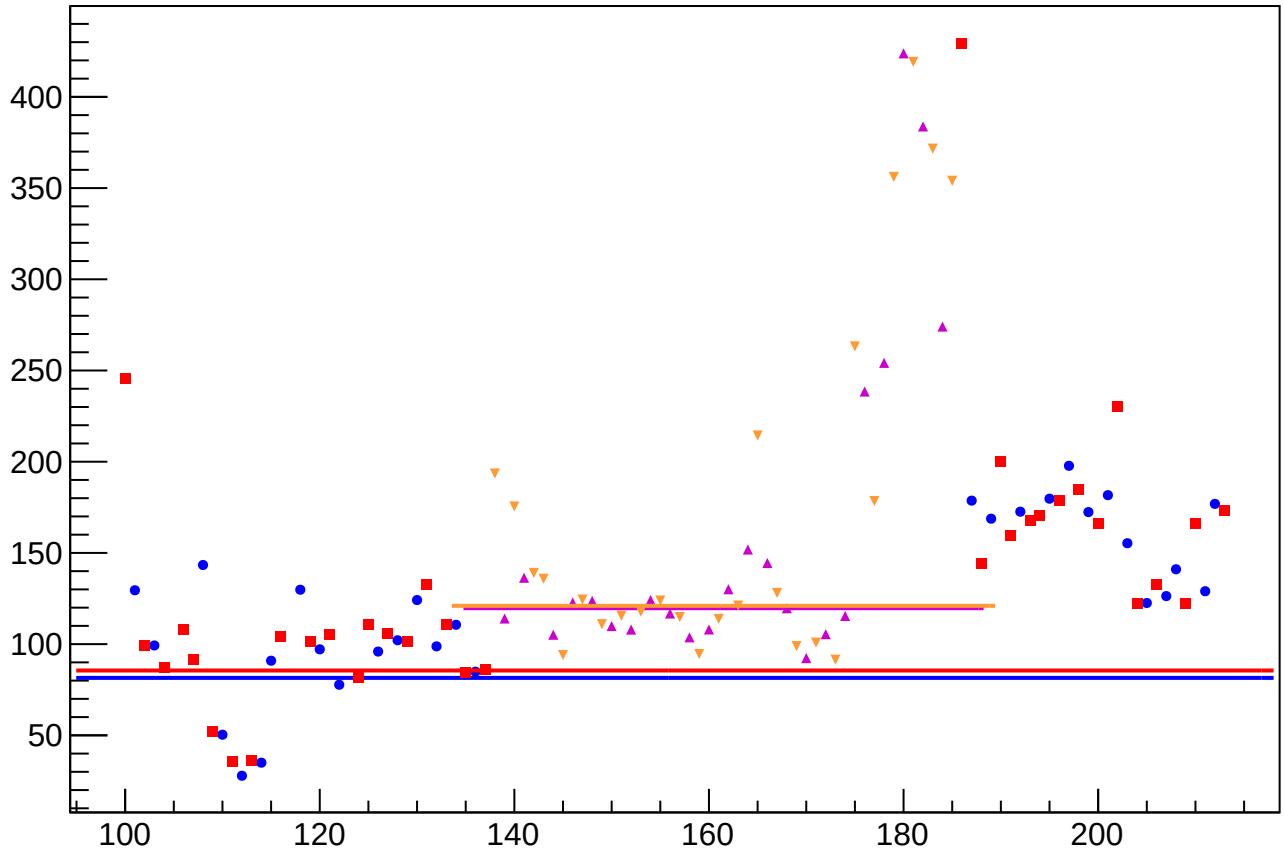
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.018+/-0.017 χ^2/NDF: 113.0/62

In: 0.022+/-0.019 χ^2/NDF:62.7/51

Out: -0.001+/-0.018 χ^2/NDF:96.4/58

All: 0.010+/-0.013 χ^2/NDF: 159.9/110



Right In: 81.495+/-0.017 χ^2/NDF: 9356932.4/28

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

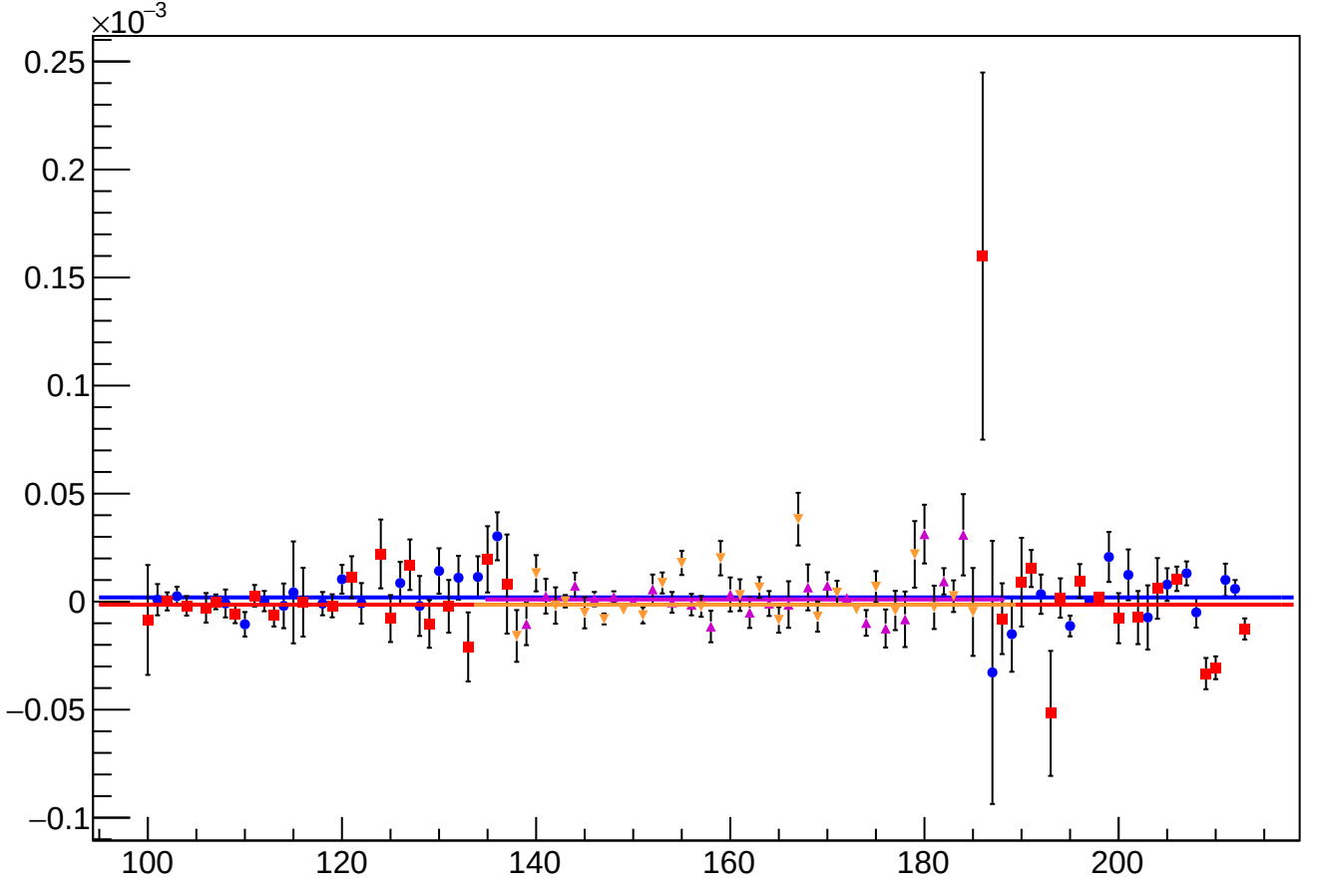
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 83.545+/-0.012 χ^2/NDF: 18573503.7/62

In: 96.045+/-0.013 χ^2/NDF:14170872.3/51

Out: 99.008+/-0.013 χ^2/NDF:15026502.3/58

All: 97.544+/-0.009 χ^2/NDF: 29222907.3/110



Right In: 0.000+/-0.000 χ^2/NDF: 38.5/28

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

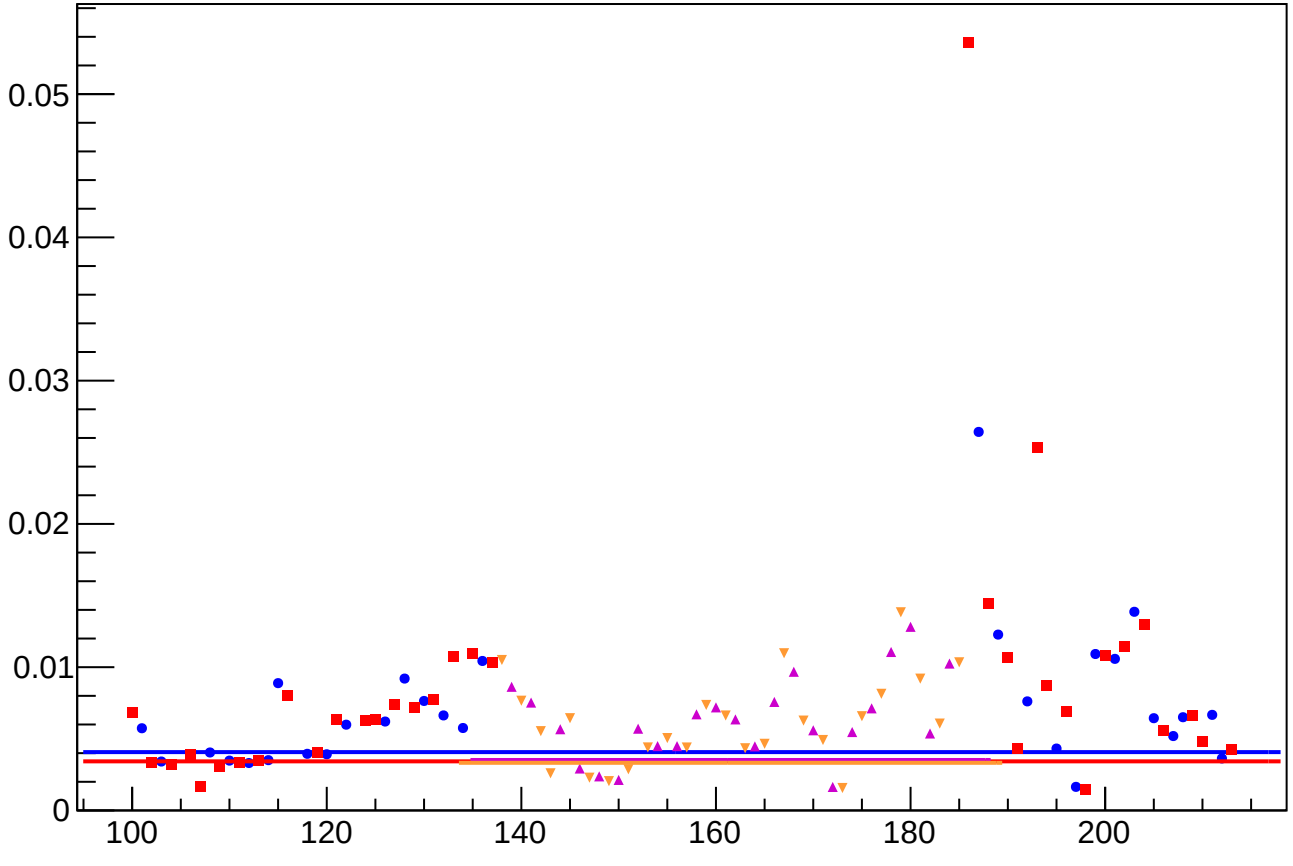
Right: 0.000+/-0.000 χ^2/NDF: 135.7/62

In: 0.000+/-0.000 χ^2/NDF:63.3/51

Out: -0.000+/-0.000 χ^2/NDF:152.9/58

All: -0.000+/-0.000 χ^2/NDF: 224.0/110

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 8325432.0/28

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

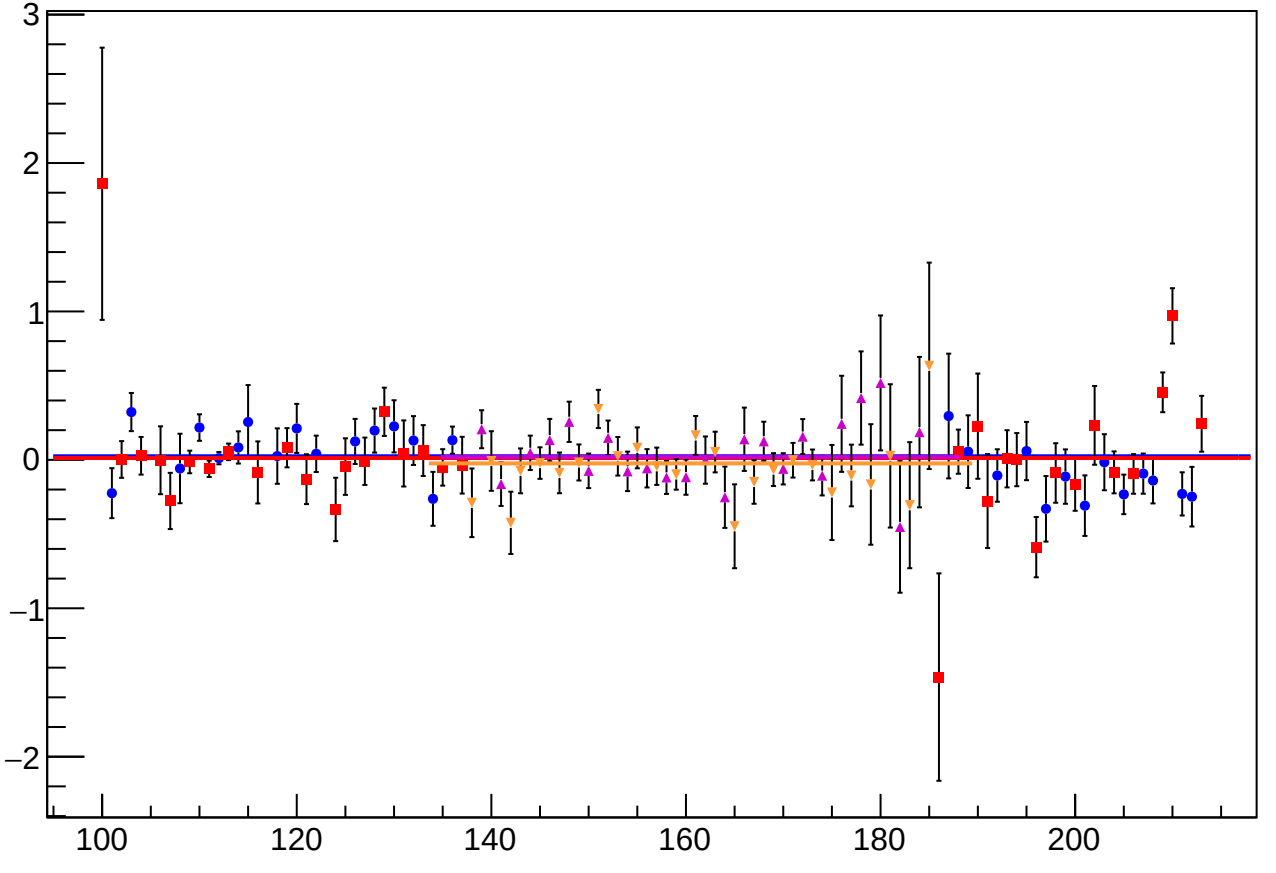
Right: 0.004+/-0.000 χ^2/NDF: 21986905.3/62

In: 0.004+/-0.000 χ^2/NDF:18012523.2/51

Out: 0.003+/-0.000 χ^2/NDF:23804153.0/58

All: 0.004+/-0.000 χ^2/NDF: 42103989.8/110

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.024 χ^2/NDF: 39.7/28

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

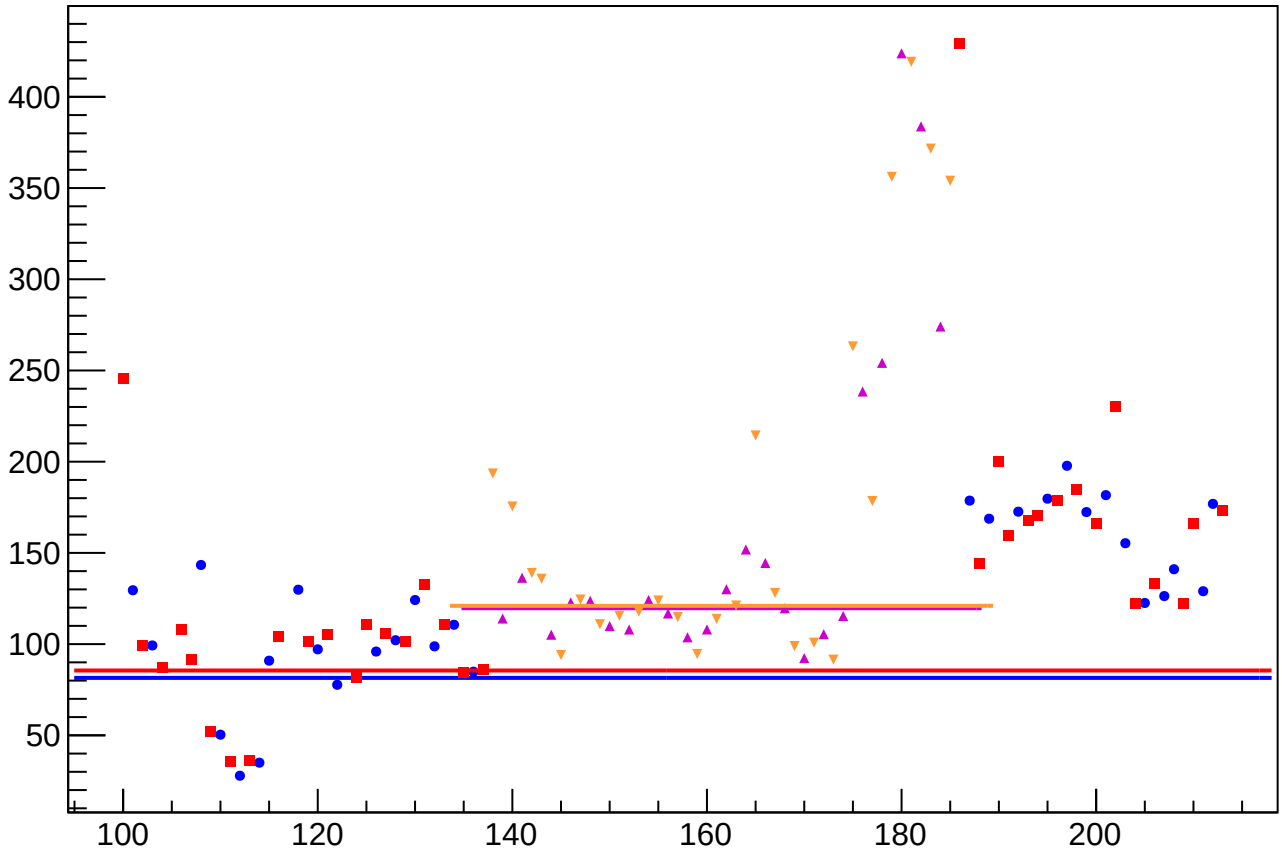
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.018+/-0.017 χ^2/NDF: 113.0/62

In: 0.022+/-0.019 χ^2/NDF:62.7/51

Out: -0.001+/-0.018 χ^2/NDF:96.4/58

All: 0.010+/-0.013 χ^2/NDF: 159.9/110



Right In: 81.493+/-0.017 χ^2/NDF: 9357450.3/28

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

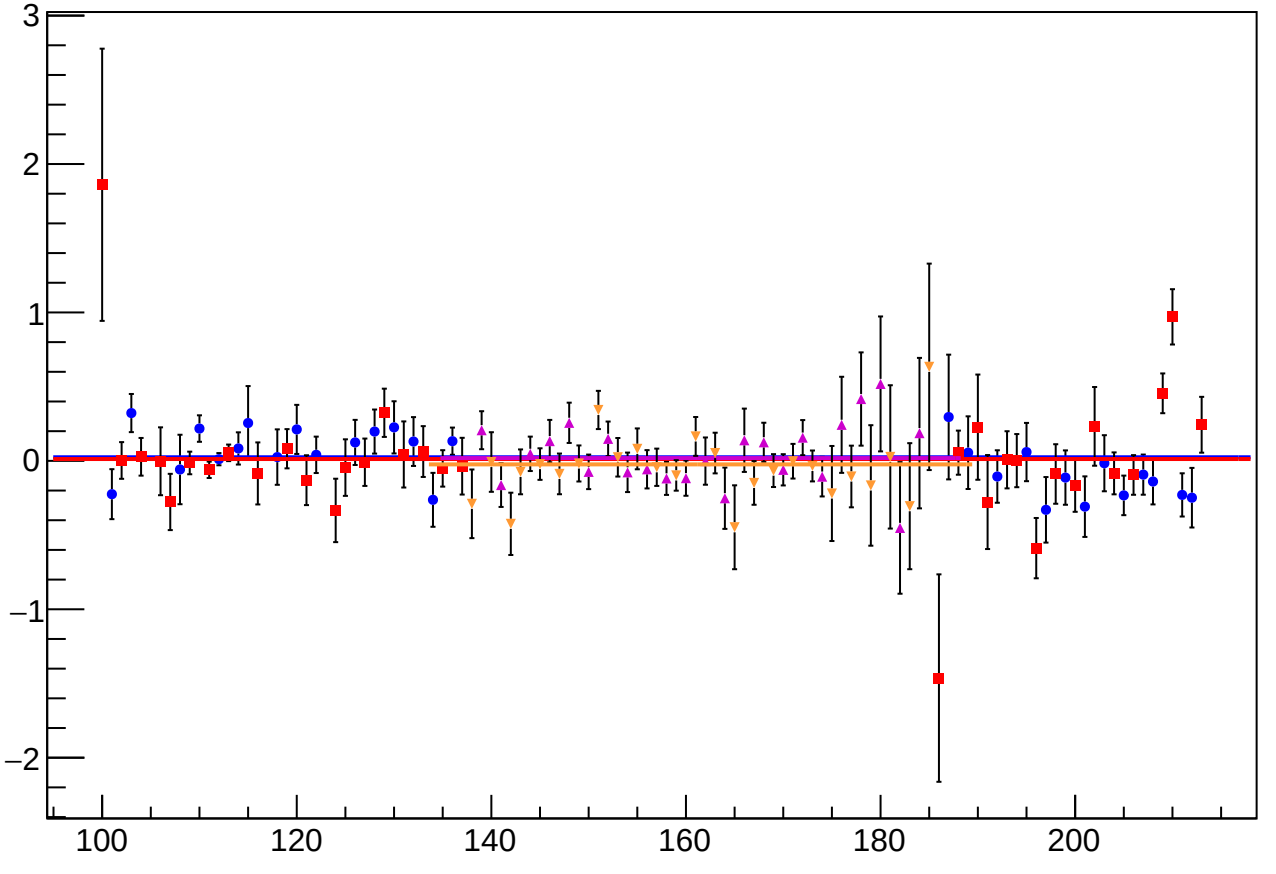
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 83.542+/-0.012 χ^2/NDF: 18574557.8/62

In: 96.043+/-0.013 χ^2/NDF:14171668.5/51

Out: 99.006+/-0.013 χ^2/NDF:15027262.5/58

All: 97.543+/-0.009 χ^2/NDF: 29224470.0/110



Right In: 0.024+/-0.024 χ^2/NDF: 39.7/28

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

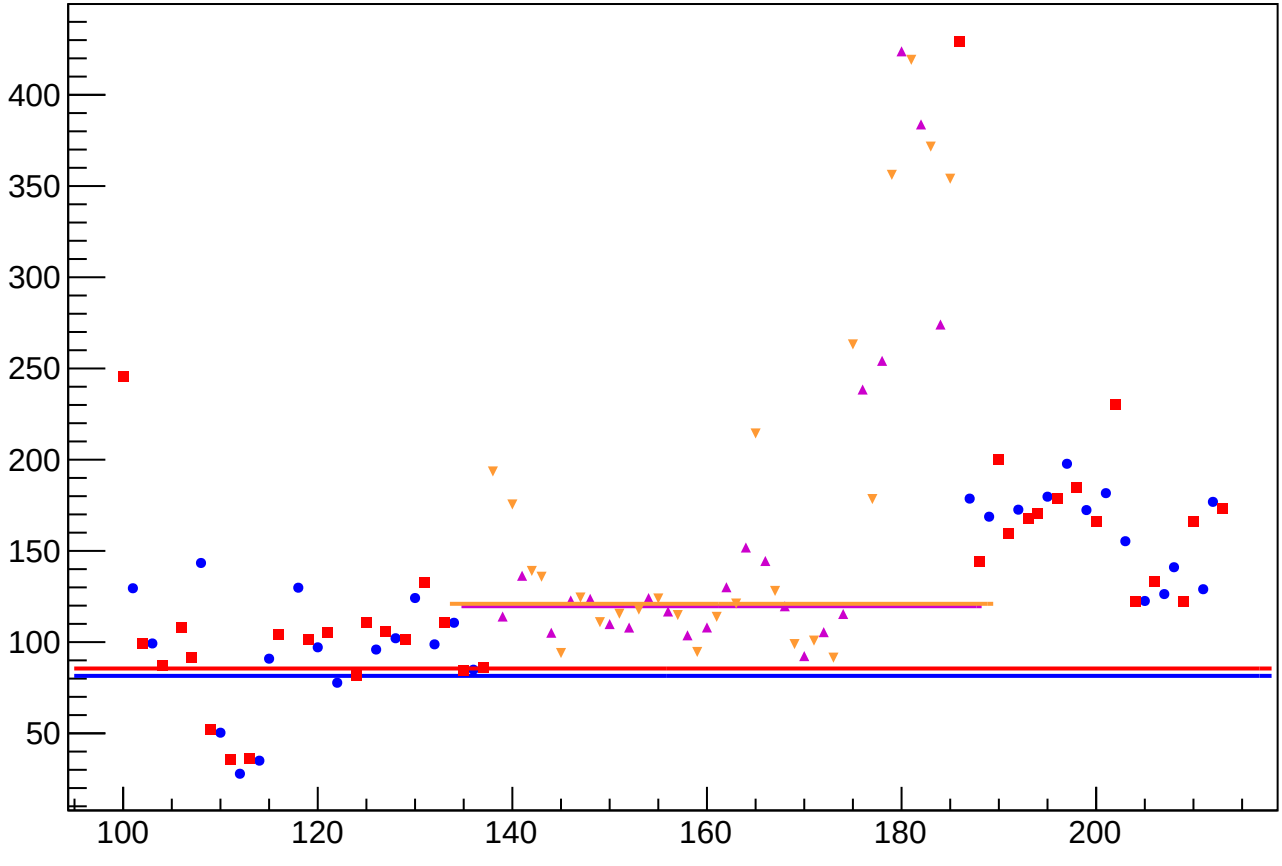
Right: 0.018+/-0.017 χ^2/NDF: 113.0/62

In: 0.022+/-0.019 χ^2/NDF:62.7/51

Out: -0.001+/-0.018 χ^2/NDF:96.4/58

All: 0.010+/-0.013 χ^2/NDF: 159.9/110

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.493+/-0.017 χ^2/NDF: 9357450.3/28

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

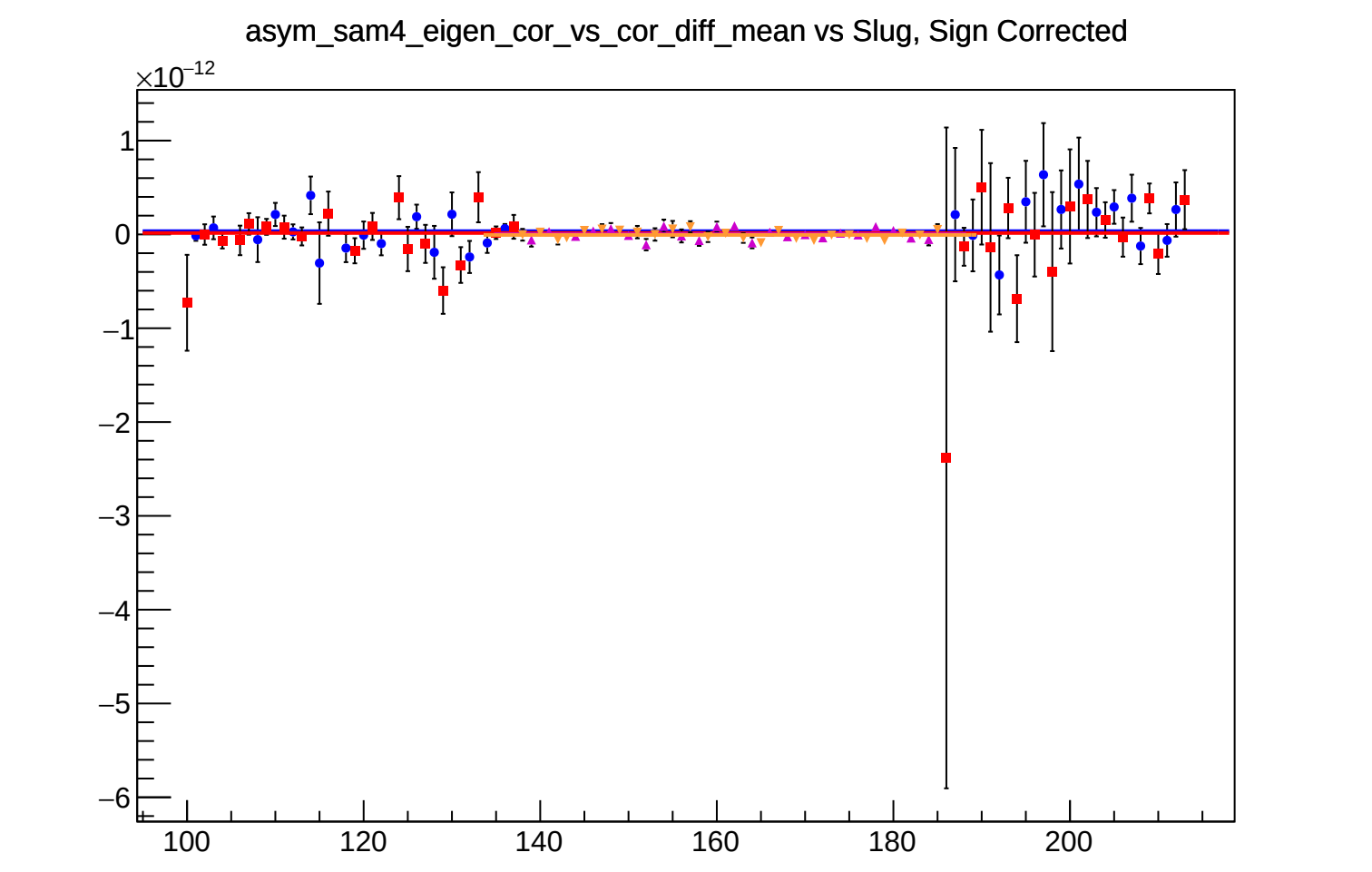
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 83.542+/-0.012 χ^2/NDF: 18574557.8/62

In: 96.043+/-0.013 χ^2/NDF:14171668.5/51

Out: 99.006+/-0.013 χ^2/NDF:15027262.5/58

All: 97.543+/-0.009 χ^2/NDF: 29224470.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 27.6/28

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

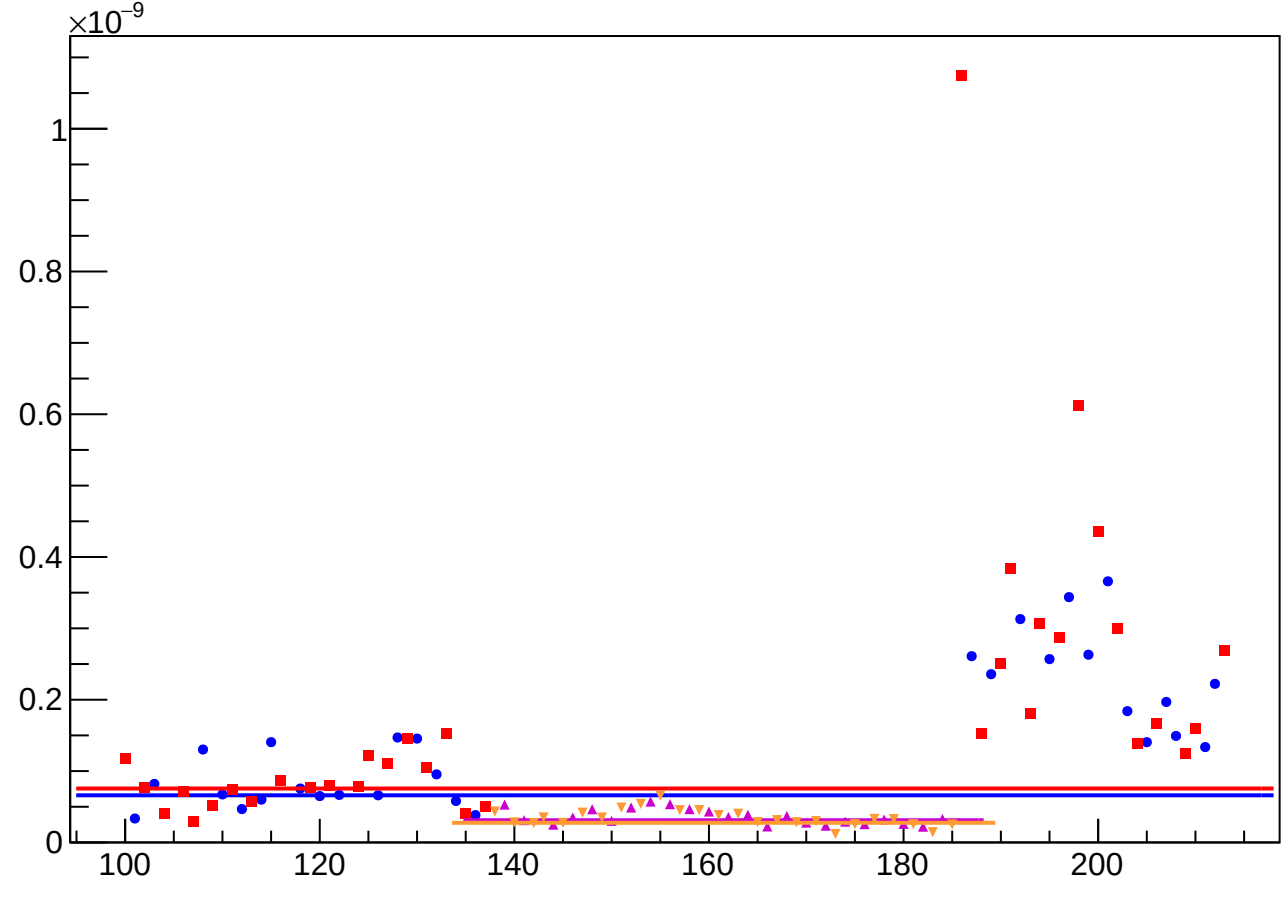
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 65.3/62

In: 0.000+/-0.000 χ^2/NDF:56.7/51

Out: -0.000+/-0.000 χ^2/NDF:60.2/58

All: 0.000+/-0.000 χ^2/NDF: 117.7/110



Right In: 0.000+/-0.000 χ^2/NDF: 8051947.6/28

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8071637.7/33

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

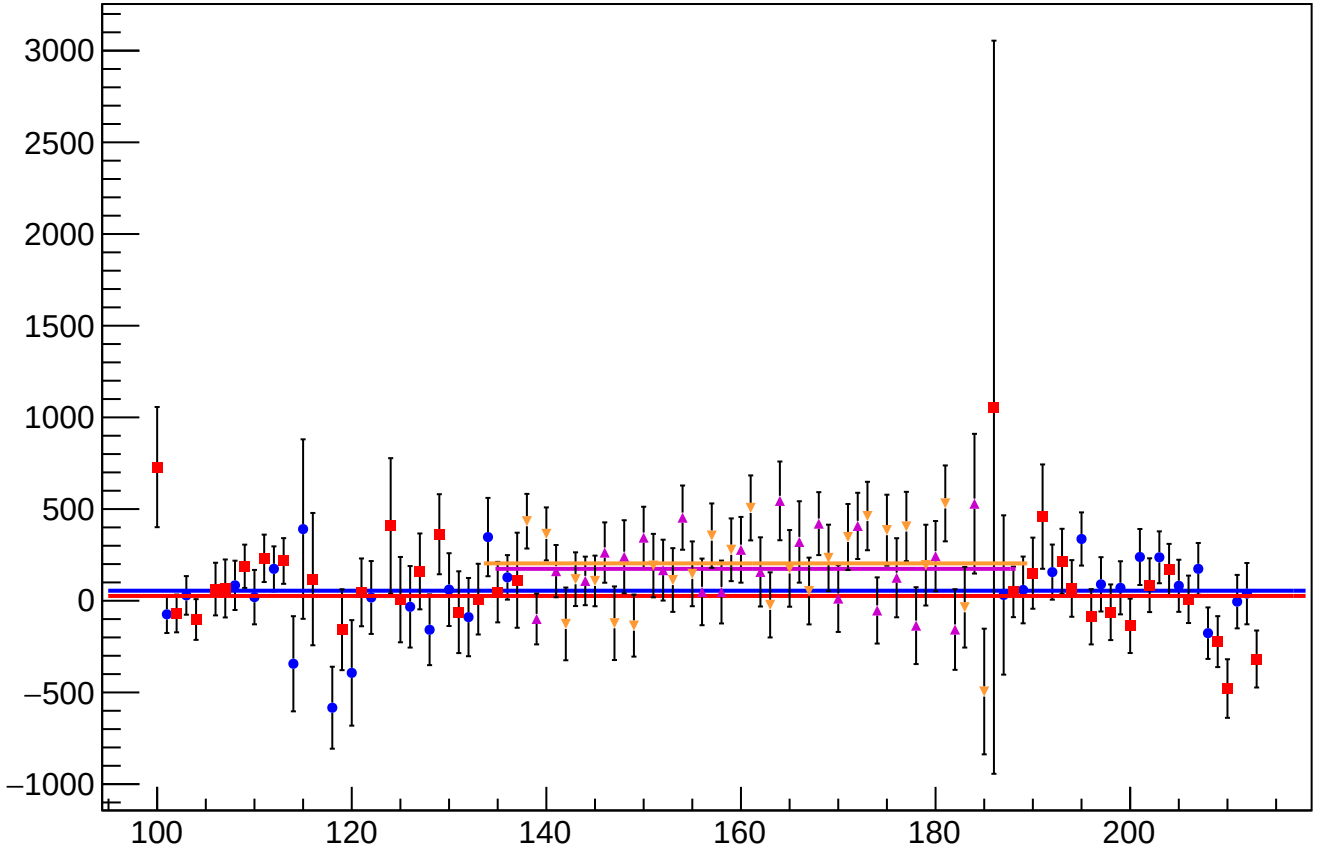
Right: 0.000+/-0.000 χ^2/NDF: 16257638.5/62

In: 0.000+/-0.000 χ^2/NDF:13509233.8/51

Out: 0.000+/-0.000 χ^2/NDF:17593222.1/58

All: 0.000+/-0.000 χ^2/NDF: 31300638.9/110

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 54.760+/-29.349 χ^2/NDF: 31.3/28

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

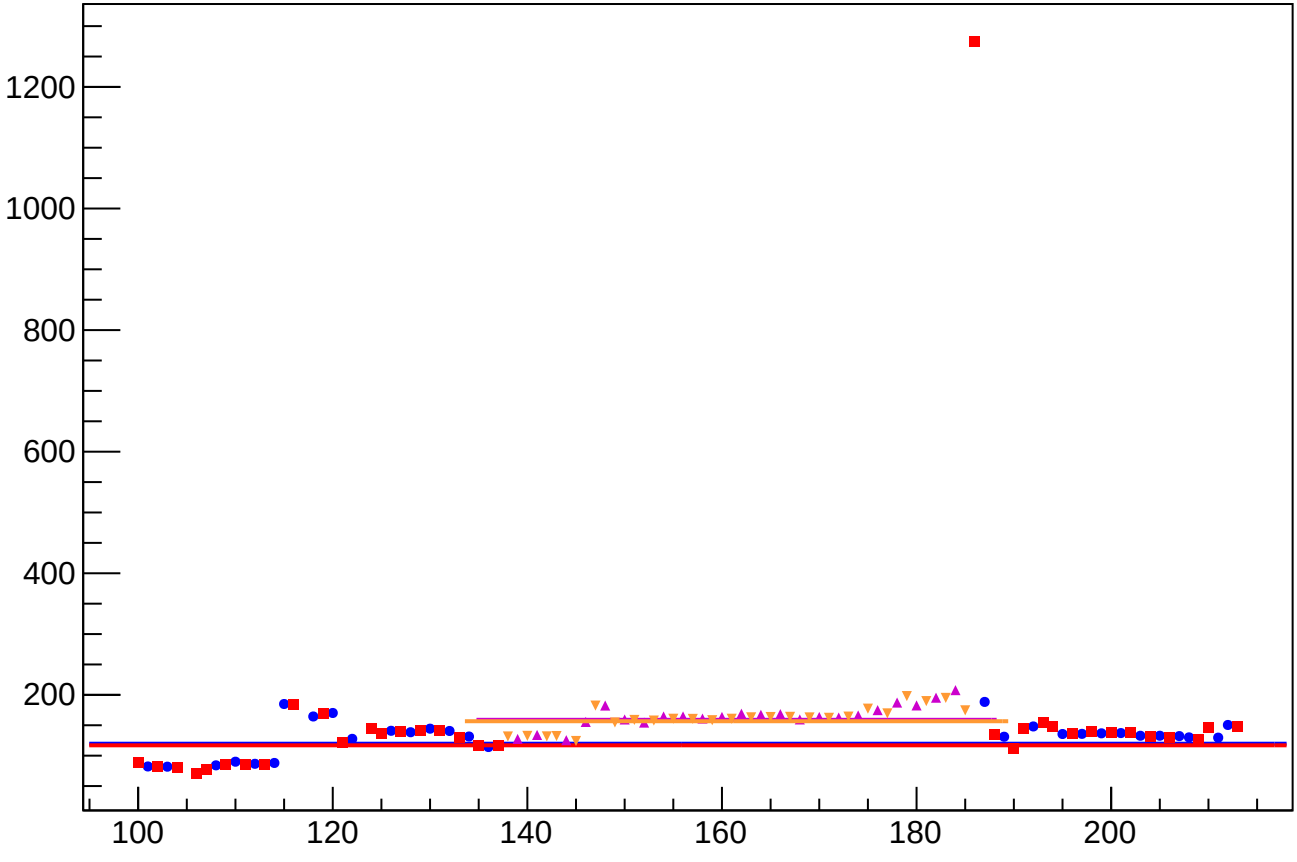
Right: 39.796+/-20.226 χ^2/NDF: 76.0/62

In: 100.185+/-23.090 χ^2/NDF:62.1/51

Out: 93.188+/-22.031 χ^2/NDF:92.4/58

All: 96.523+/-15.939 χ^2/NDF: 154.5/110

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 119.635+/-0.021 χ^2/NDF: 1570019.5/28

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

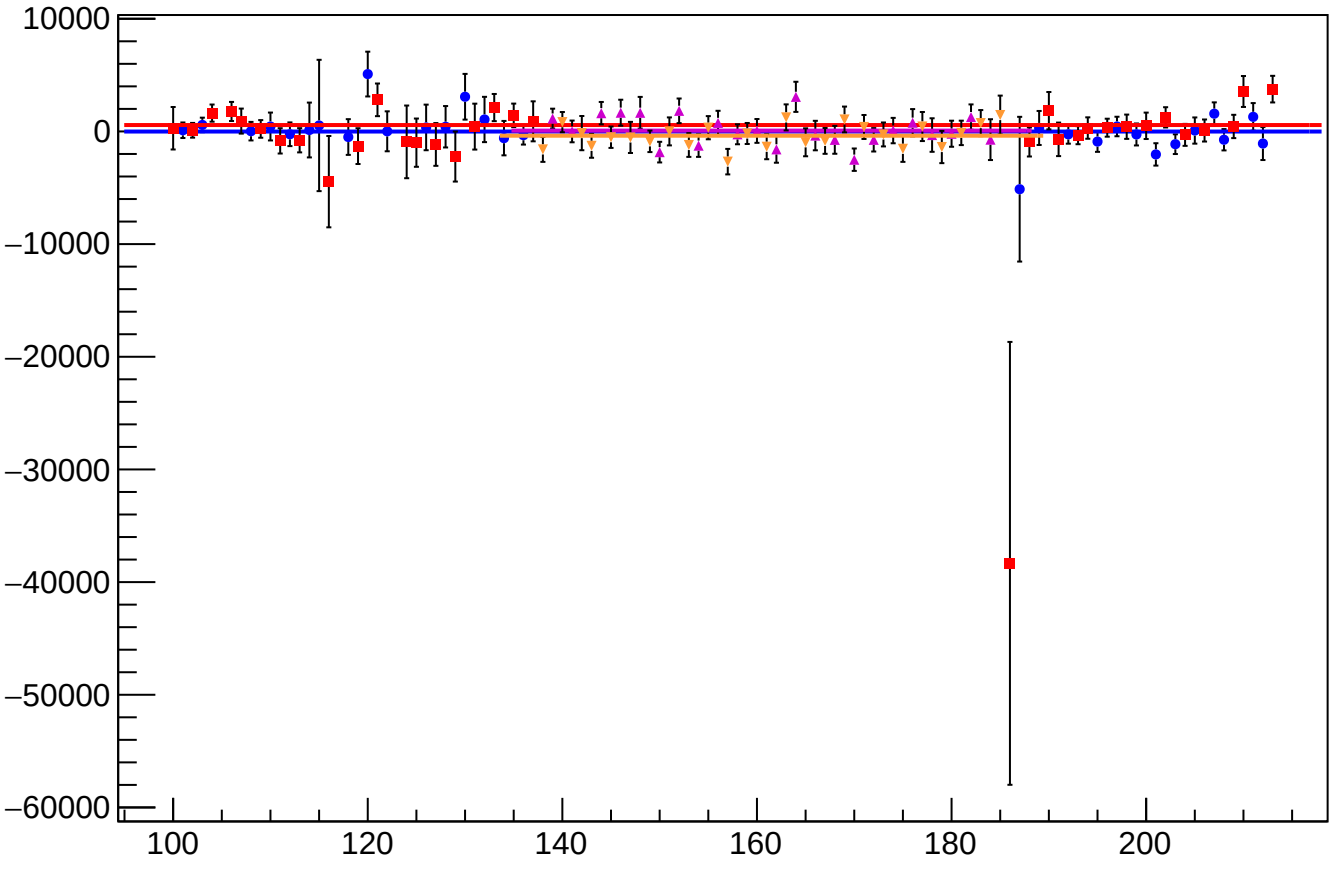
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 118.262+/-0.014 χ^2/NDF: 4301253.9/62

In: 134.616+/-0.016 χ^2/NDF:3448992.5/51

Out: 131.958+/-0.016 χ^2/NDF:4824507.3/58

All: 133.225+/-0.011 χ^2/NDF: 8287376.7/110



Right In: -8.893+/-206.622 χ^2/NDF: 23.3/28

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

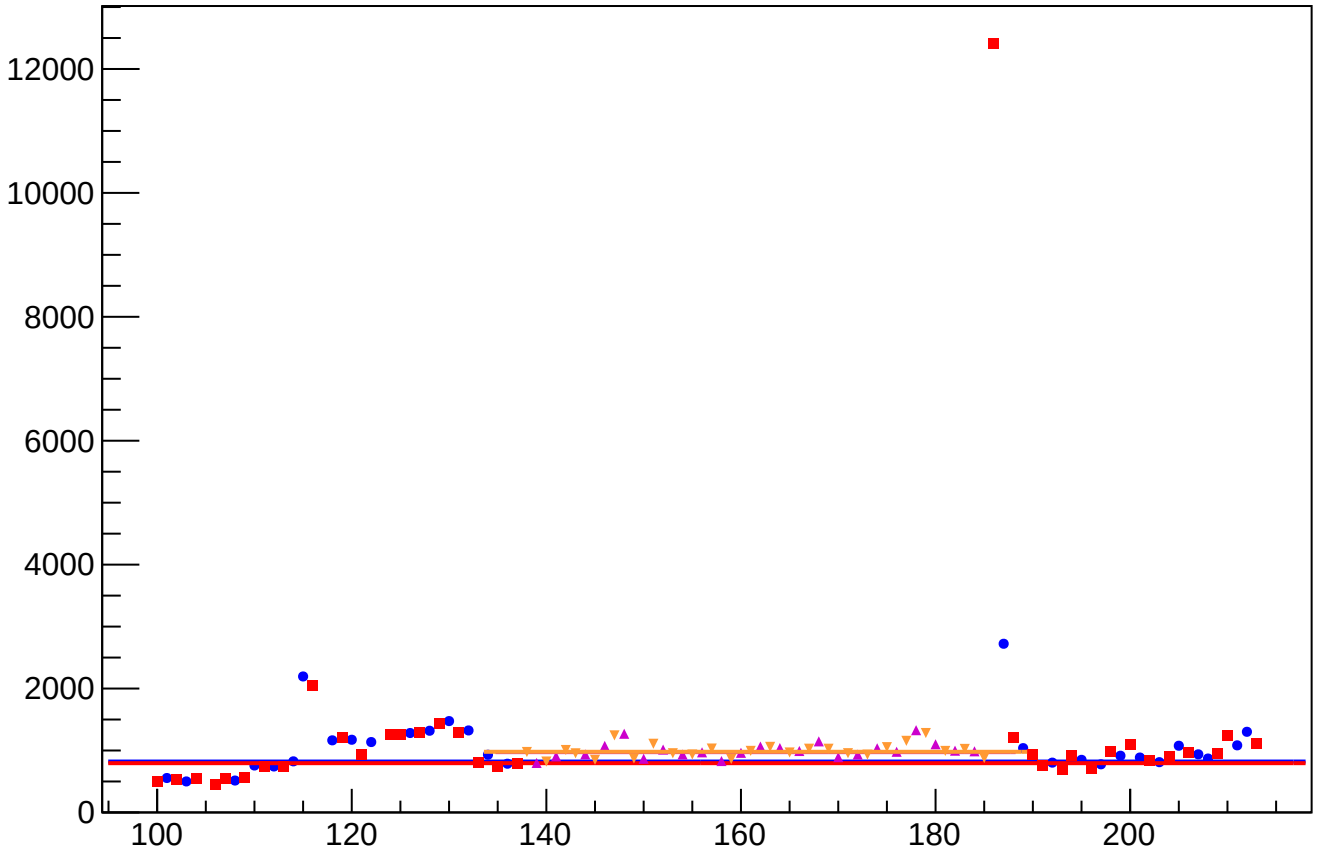
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 296.804+/-141.519 χ^2/NDF: 67.9/62

In: 28.362+/-153.643 χ^2/NDF:56.5/51

Out: 161.383+/-146.900 χ^2/NDF:69.4/58

All: 97.855+/-106.178 χ^2/NDF: 126.2/110



Right In: 821.873+/-0.146 χ^2/NDF: 2701768.8/28

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

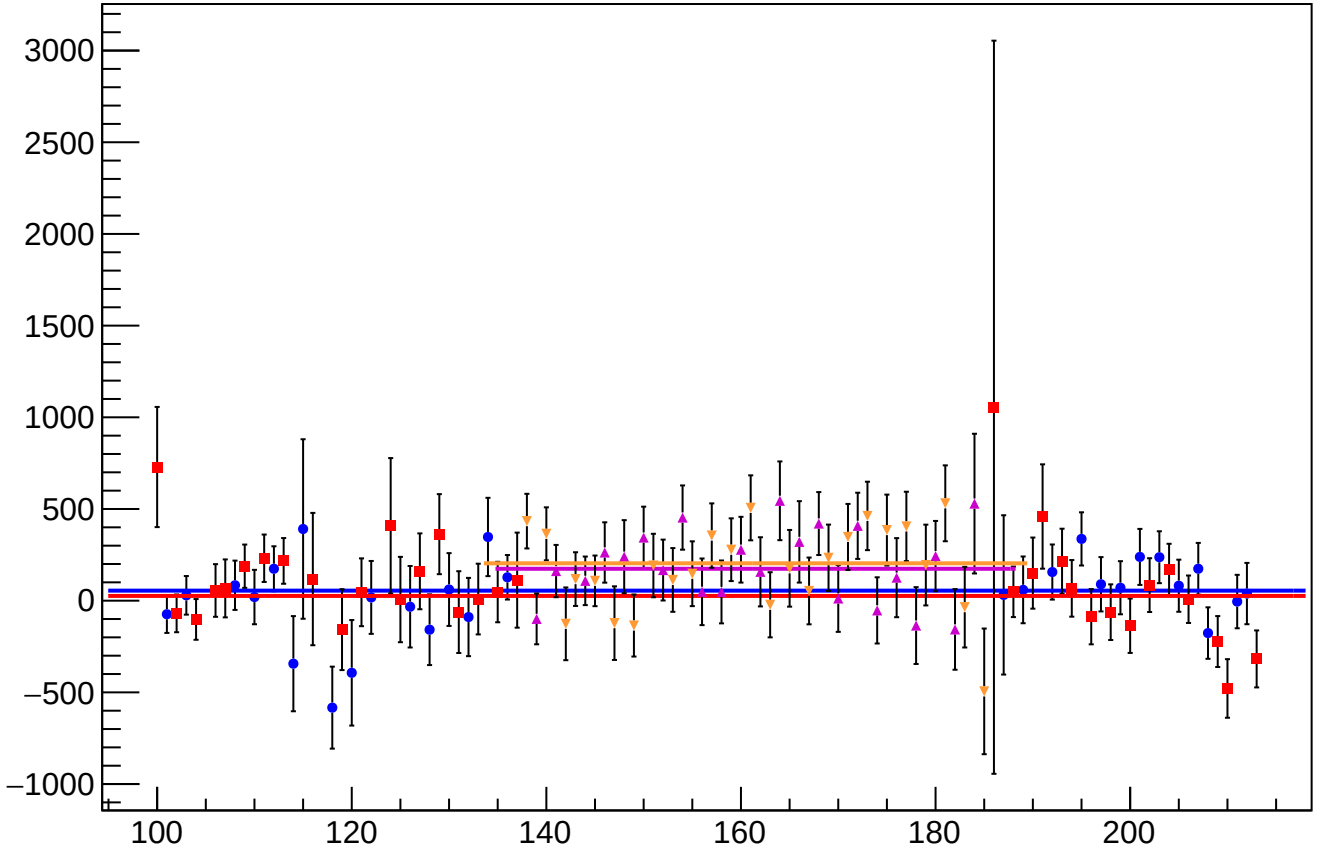
Right: 807.837+/-0.100 χ^2/NDF: 6555416.7/62

In: 889.802+/-0.109 χ^2/NDF:3683910.0/51

Out: 874.041+/-0.104 χ^2/NDF:5031524.3/58

All: 881.568+/-0.075 χ^2/NDF: 8726429.4/110

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 54.758+/-29.349 χ^2/NDF: 31.3/28

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

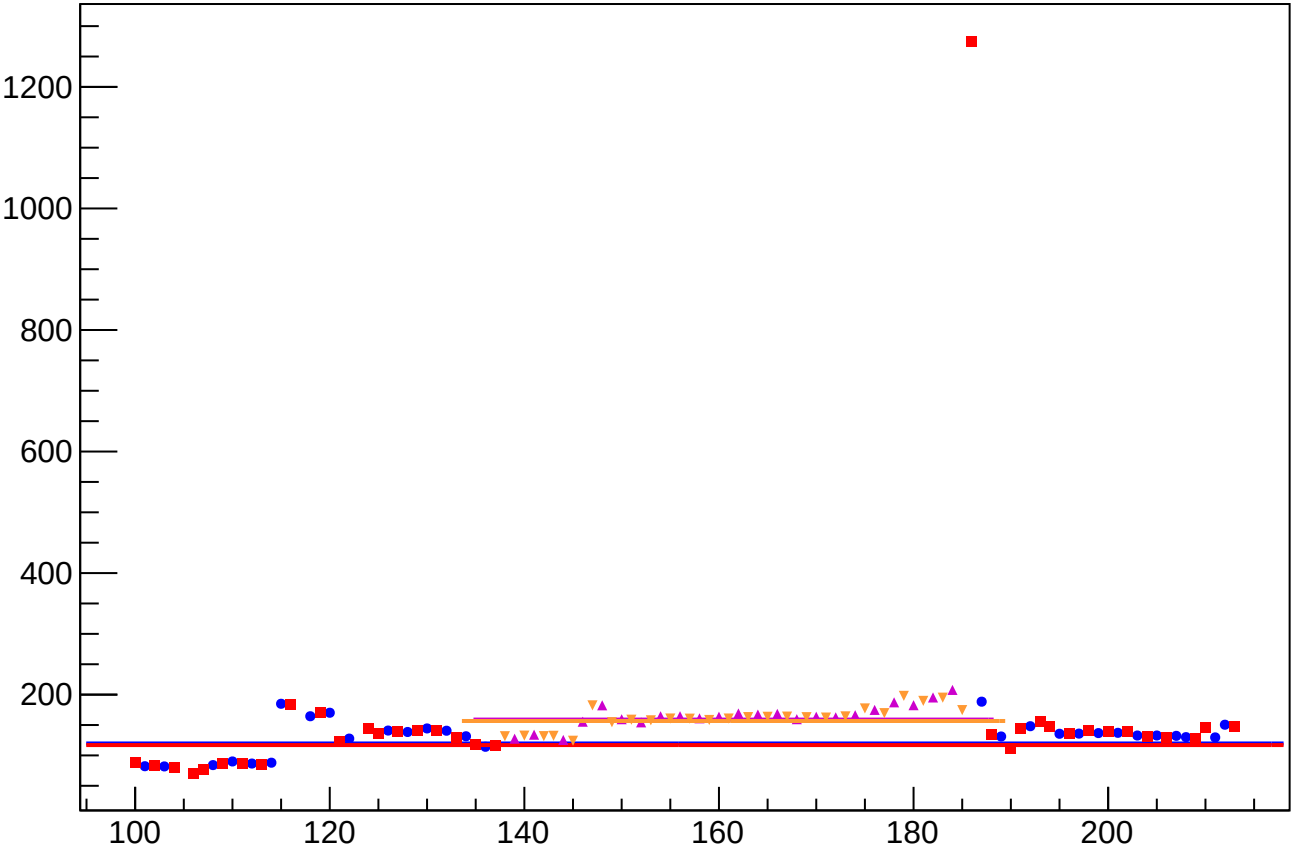
Right: 39.645+/-20.226 χ^2/NDF: 76.0/62

In: 100.186+/-23.090 χ^2/NDF:62.1/51

Out: 93.014+/-22.031 χ^2/NDF:92.4/58

All: 96.432+/-15.939 χ^2/NDF: 154.5/110

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 119.635+/-0.021 χ^2/NDF: 1570018.2/28

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

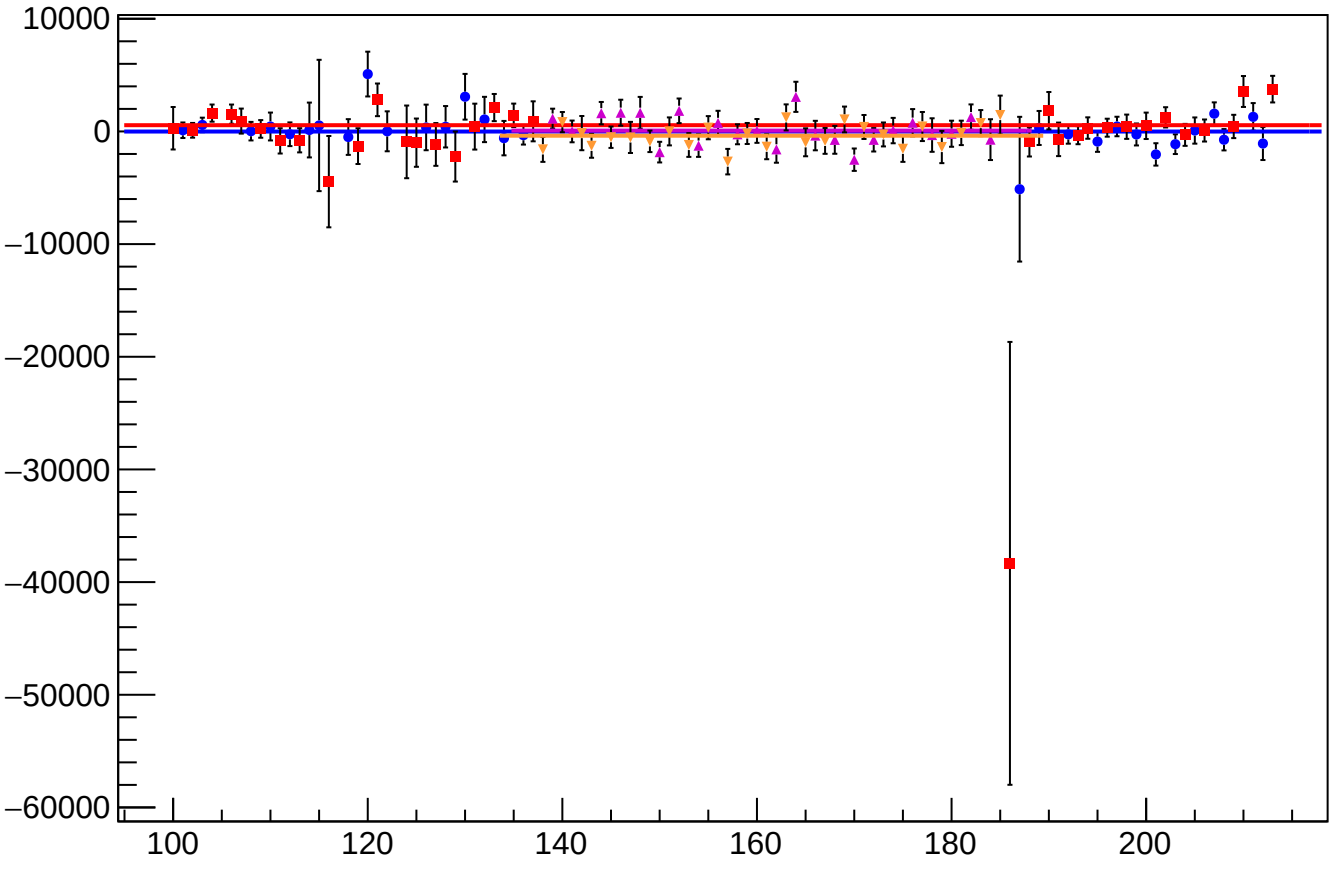
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 118.256+/-0.014 χ^2/NDF: 4304617.8/62

In: 134.616+/-0.016 χ^2/NDF:3448990.5/51

Out: 131.952+/-0.016 χ^2/NDF:4828645.2/58

All: 133.221+/-0.011 χ^2/NDF: 8291580.5/110



Right In: -8.891+/-206.622 χ^2/NDF: 23.3/28

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

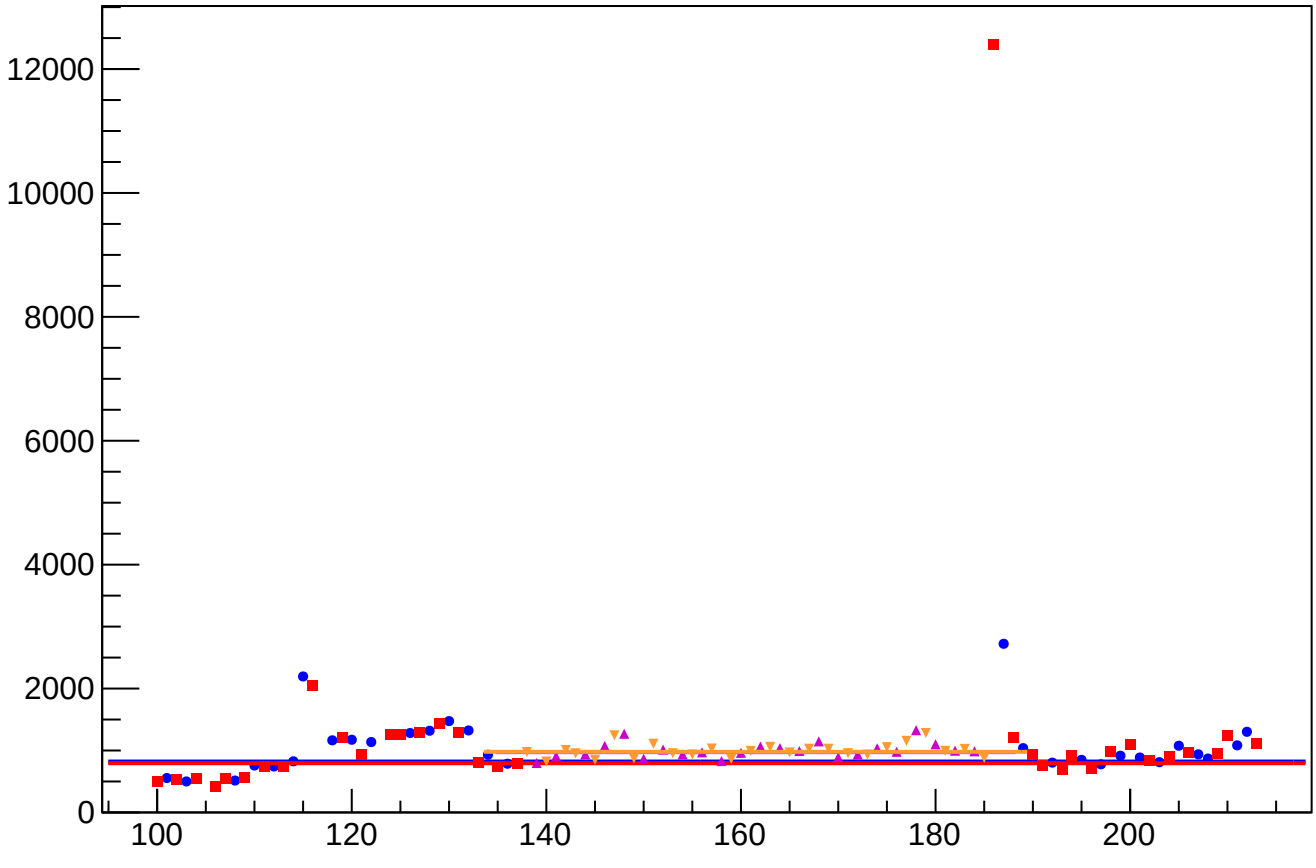
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 289.613+/-141.544 χ^2/NDF: 67.0/62

In: 28.362+/-153.643 χ^2/NDF:56.5/51

Out: 153.585+/-146.929 χ^2/NDF:68.3/58

All: 93.769+/-106.189 χ^2/NDF: 125.1/110



Right In: 821.872+/-0.146 χ^2/NDF: 2701772.5/28

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

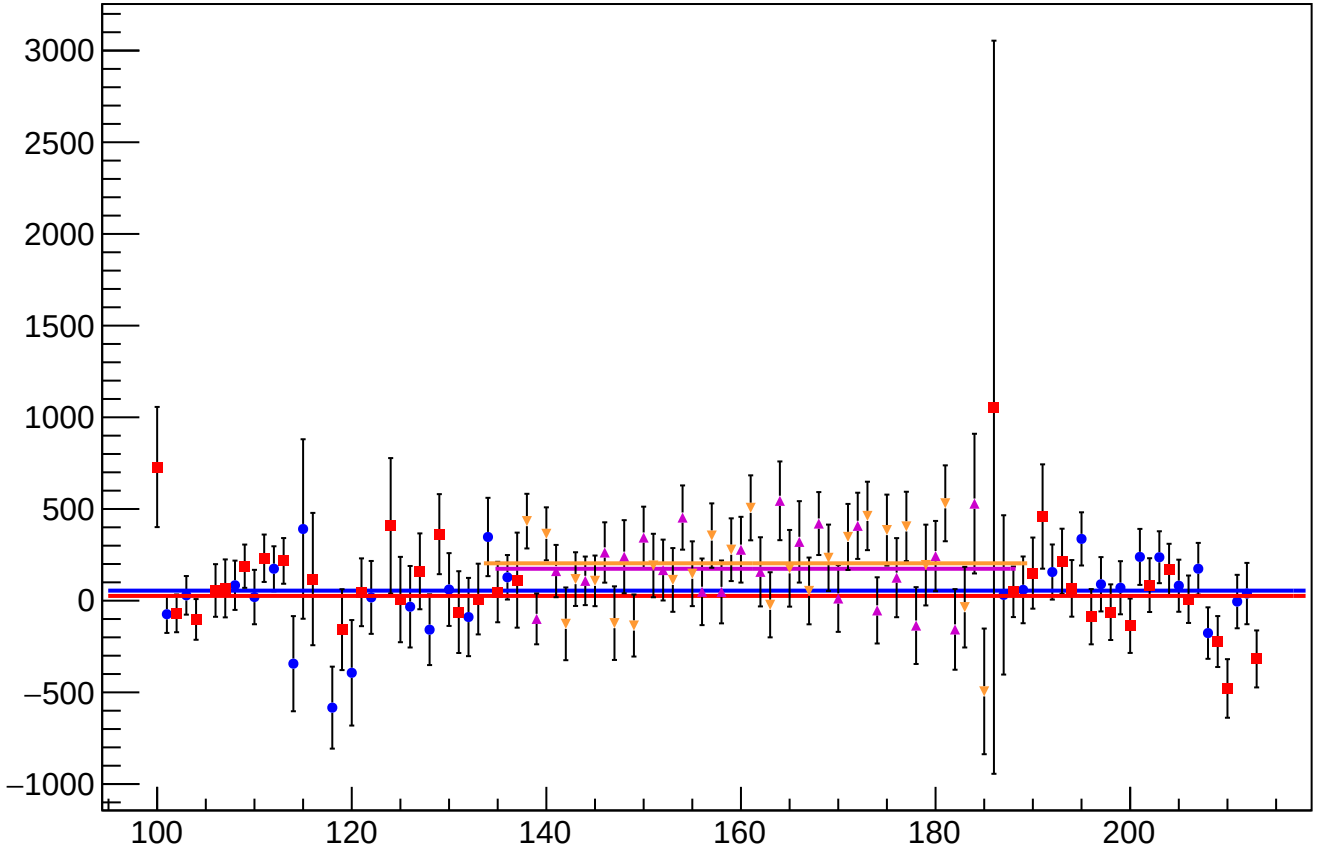
Right: 807.296+/-0.100 χ^2/NDF: 6600416.9/62

In: 889.802+/-0.109 χ^2/NDF:3683917.0/51

Out: 873.484+/-0.104 χ^2/NDF:5083510.6/58

All: 881.279+/-0.075 χ^2/NDF: 8779210.7/110

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 54.758+/-29.349 χ^2/NDF: 31.3/28

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

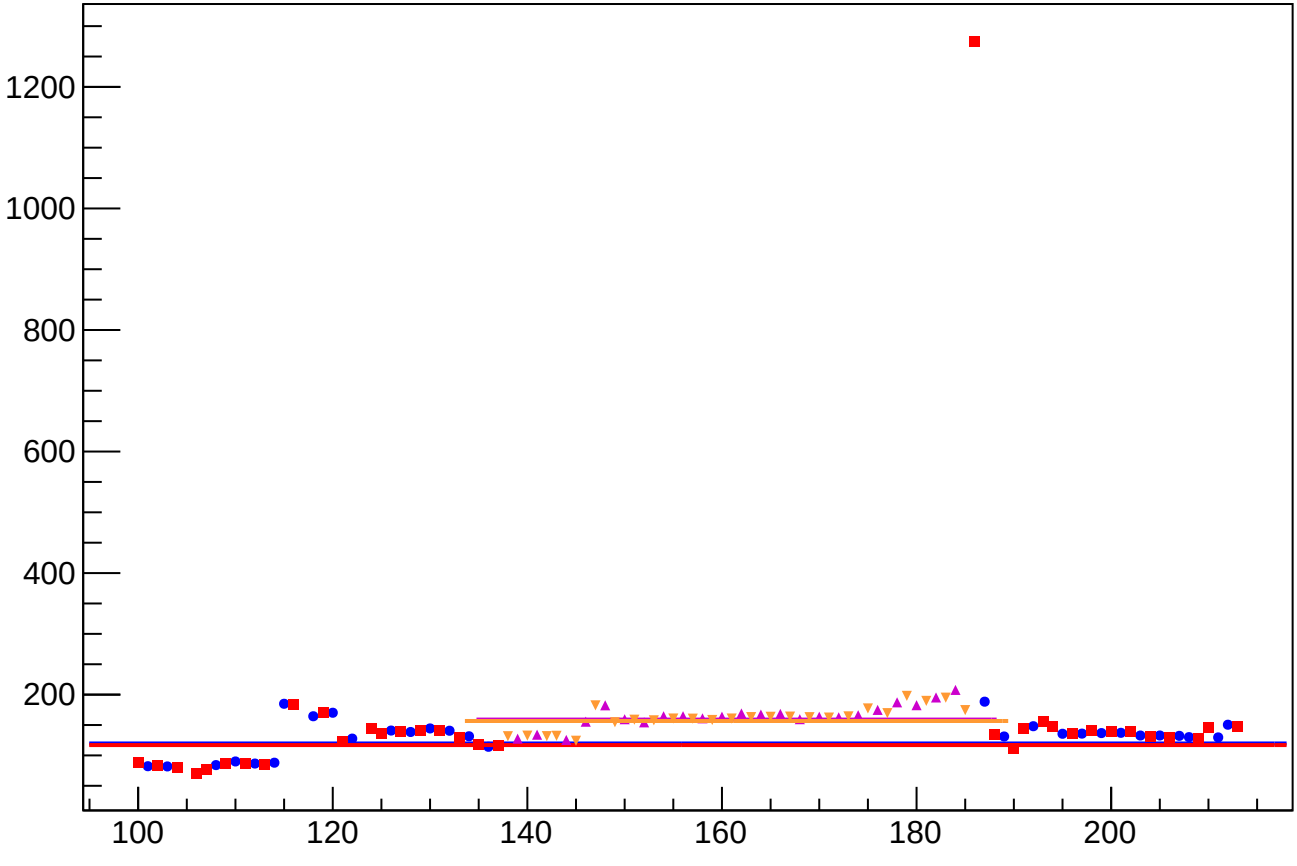
Right: 39.645+/-20.226 χ^2/NDF: 76.0/62

In: 100.186+/-23.090 χ^2/NDF:62.1/51

Out: 93.014+/-22.031 χ^2/NDF:92.4/58

All: 96.432+/-15.939 χ^2/NDF: 154.5/110

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 119.635+/-0.021 χ^2/NDF: 1570018.2/28

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

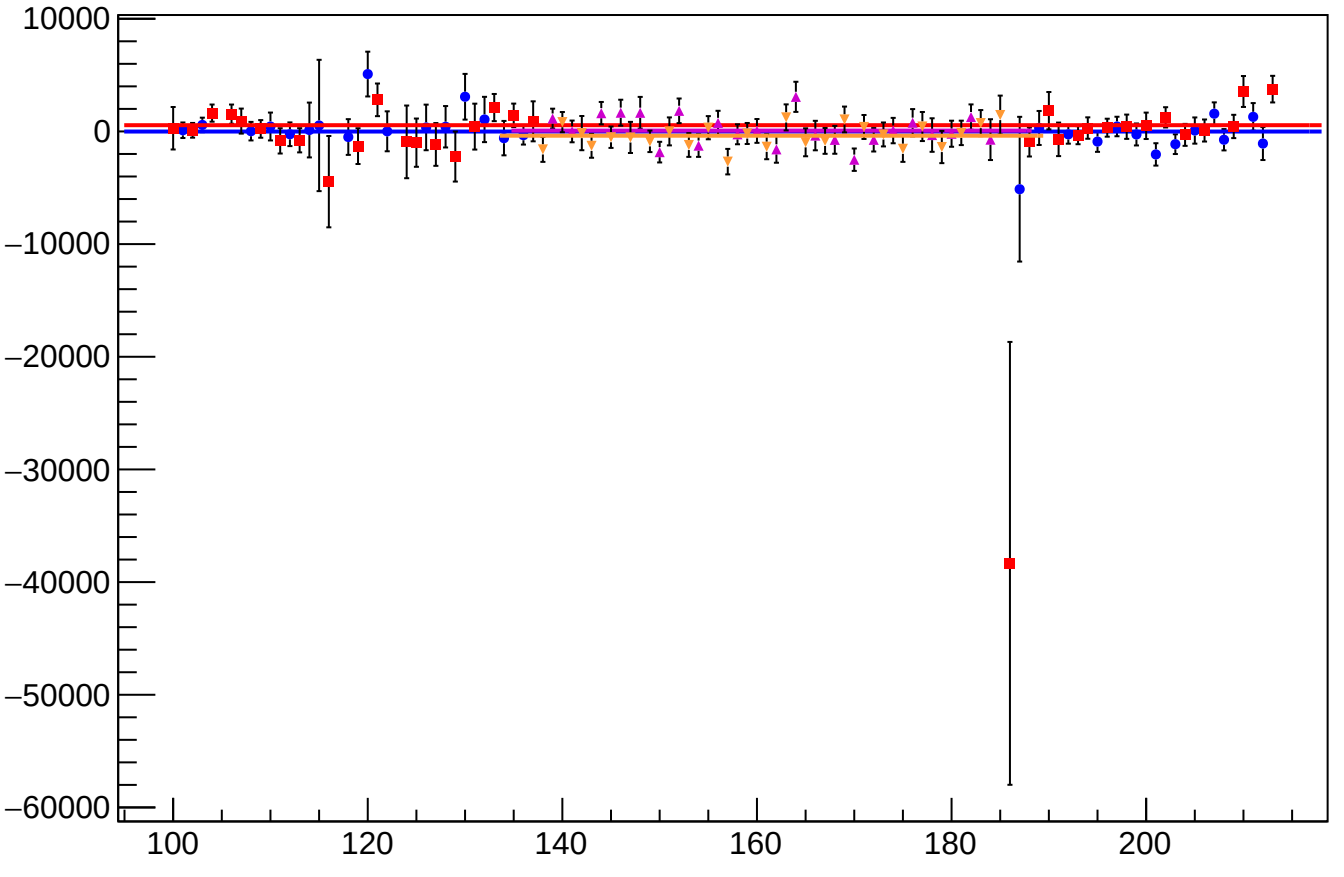
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 118.256+/-0.014 χ^2/NDF: 4304617.8/62

In: 134.616+/-0.016 χ^2/NDF:3448990.5/51

Out: 131.952+/-0.016 χ^2/NDF:4828645.2/58

All: 133.221+/-0.011 χ^2/NDF: 8291580.5/110



Right In: -8.891+/-206.622 χ^2/NDF: 23.3/28

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

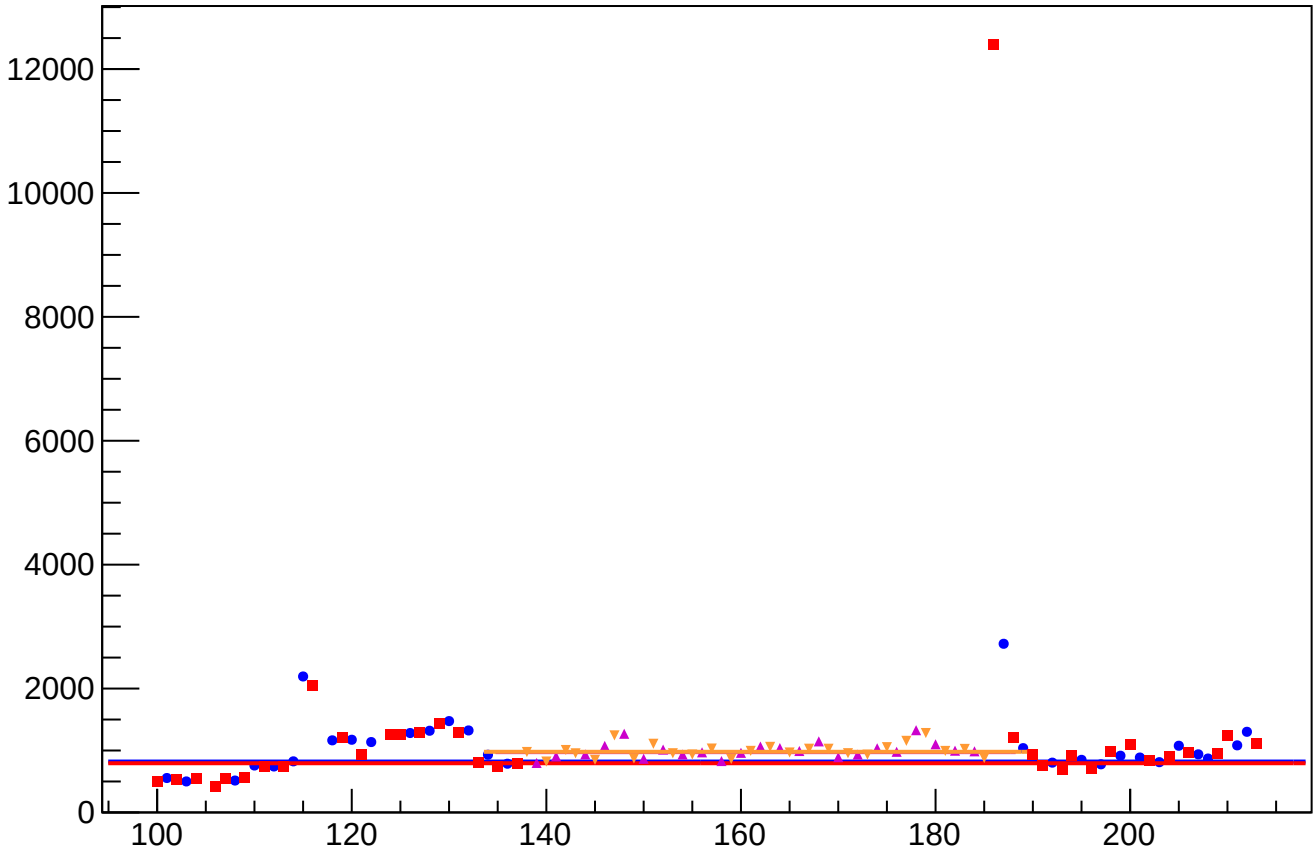
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 289.613+/-141.544 χ^2/NDF: 67.0/62

In: 28.362+/-153.643 χ^2/NDF:56.5/51

Out: 153.585+/-146.929 χ^2/NDF:68.3/58

All: 93.769+/-106.189 χ^2/NDF: 125.1/110



Right In: 821.872+/-0.146 χ^2/NDF: 2701772.5/28

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

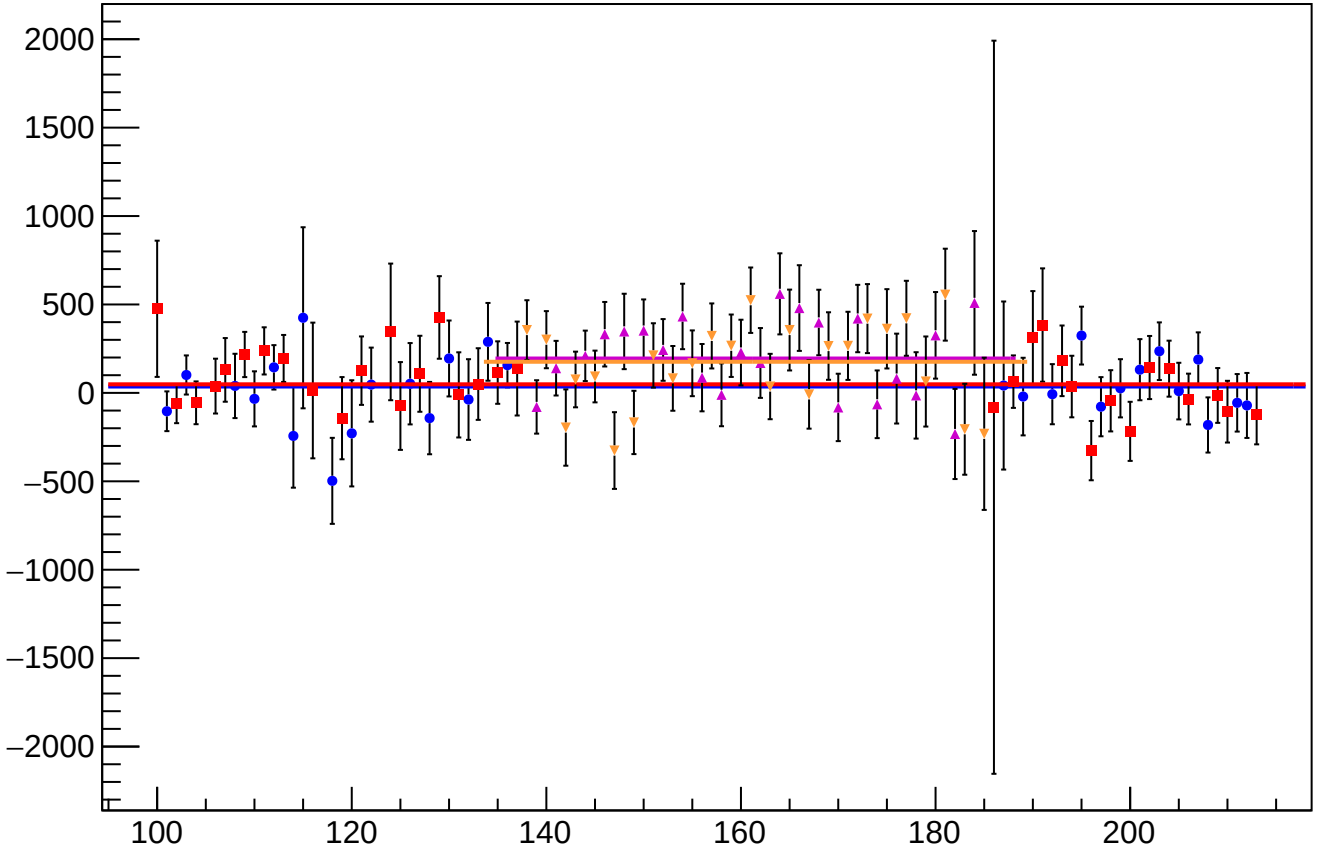
Right: 807.296+/-0.100 χ^2/NDF: 6600416.9/62

In: 889.802+/-0.109 χ^2/NDF:3683917.0/51

Out: 873.484+/-0.104 χ^2/NDF:5083510.6/58

All: 881.279+/-0.075 χ^2/NDF: 8779210.7/110

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 36.007+/-32.262 χ^2/NDF: 22.7/28

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

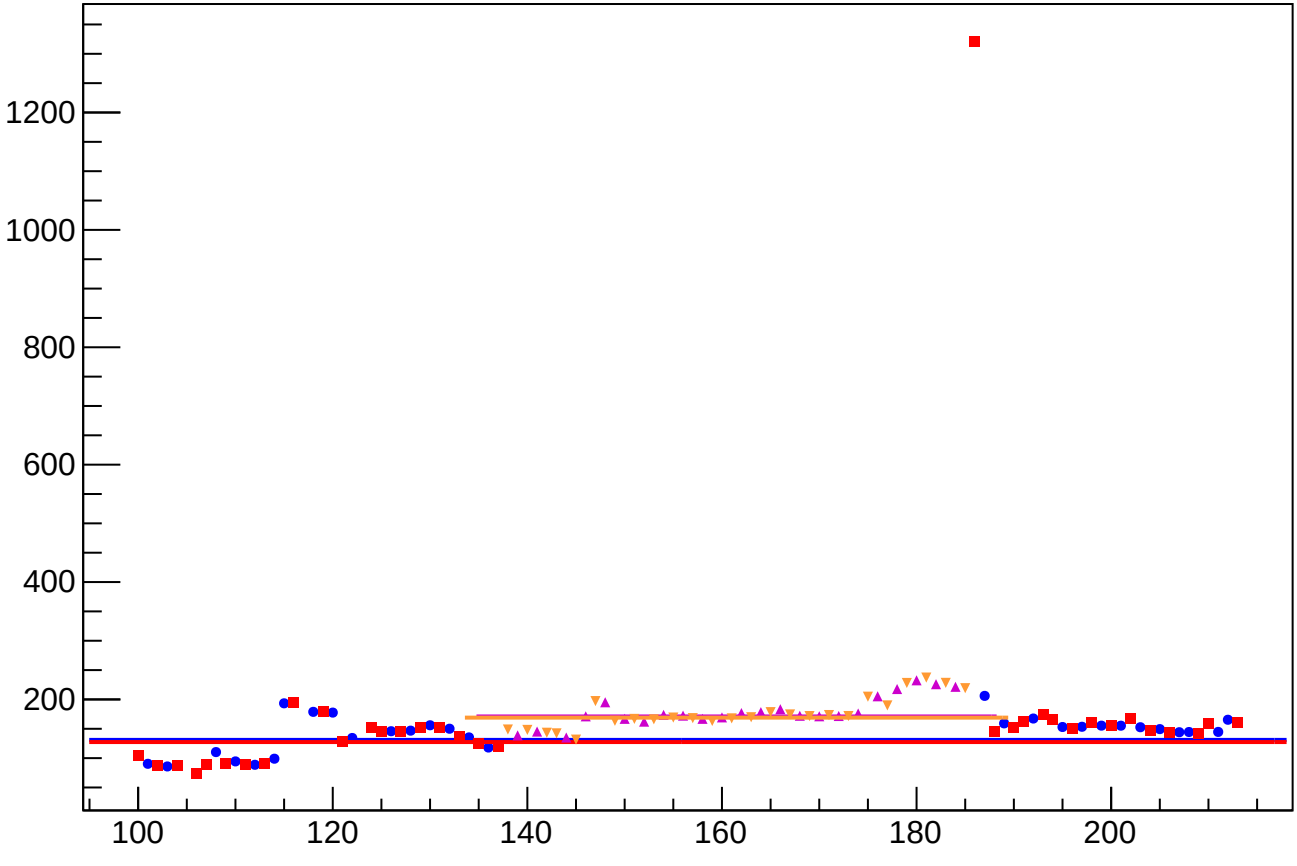
Right: 42.590+/-22.189 χ^2/NDF: 48.9/62

In: 97.685+/-25.206 χ^2/NDF:55.9/51

Out: 97.272+/-24.020 χ^2/NDF:63.6/58

All: 97.469+/-17.389 χ^2/NDF: 119.5/110

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 131.081+/-0.023 χ^2/NDF: 1728006.7/28

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

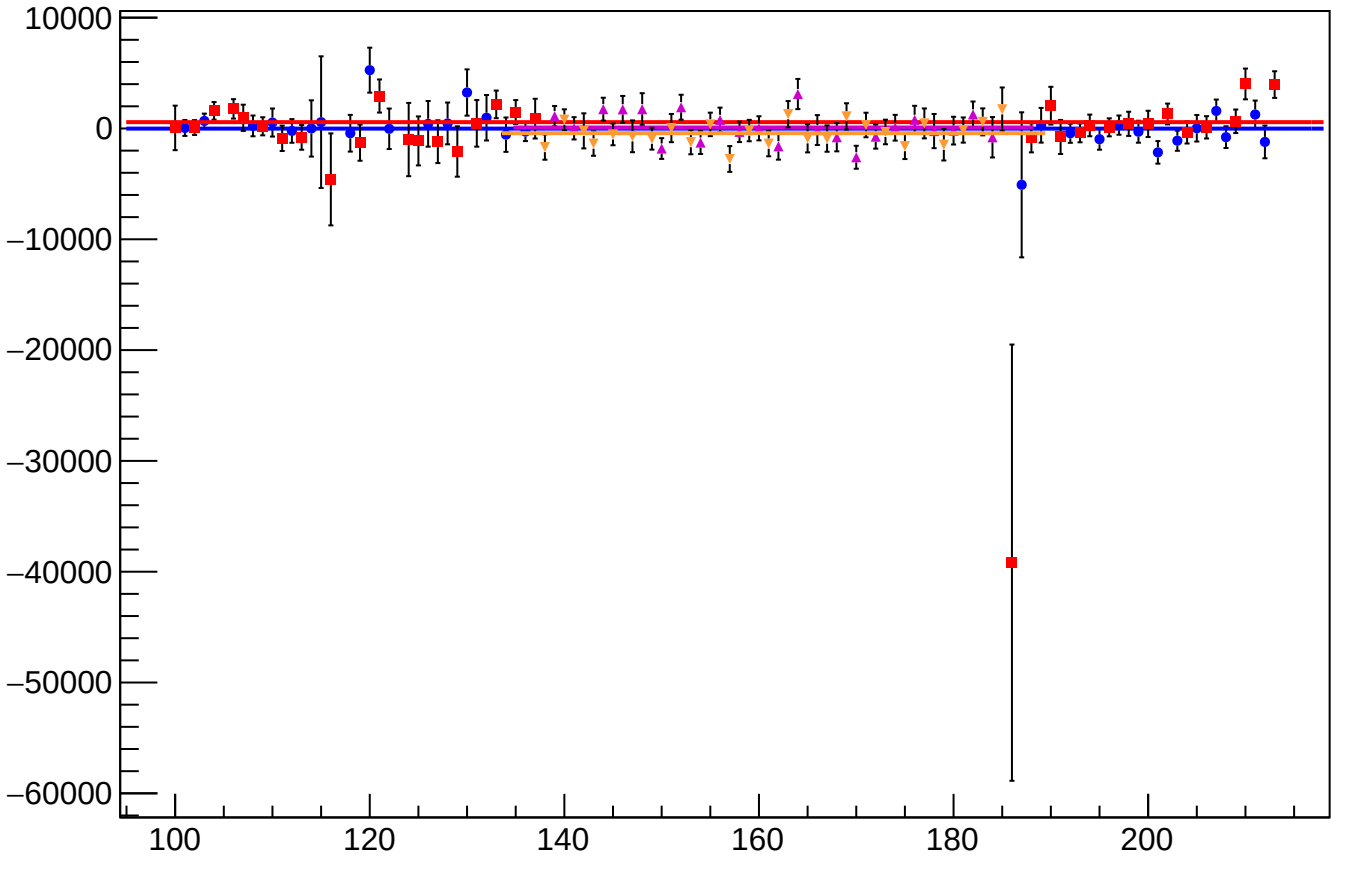
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 129.142+/-0.016 χ^2/NDF: 4735225.3/62

In: 146.641+/-0.018 χ^2/NDF:3600254.3/51

Out: 143.316+/-0.017 χ^2/NDF:5184924.9/58

All: 144.899+/-0.012 χ^2/NDF: 8803418.0/110



Right In: -12.572+/-213.731 χ^2/NDF: 23.9/28

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

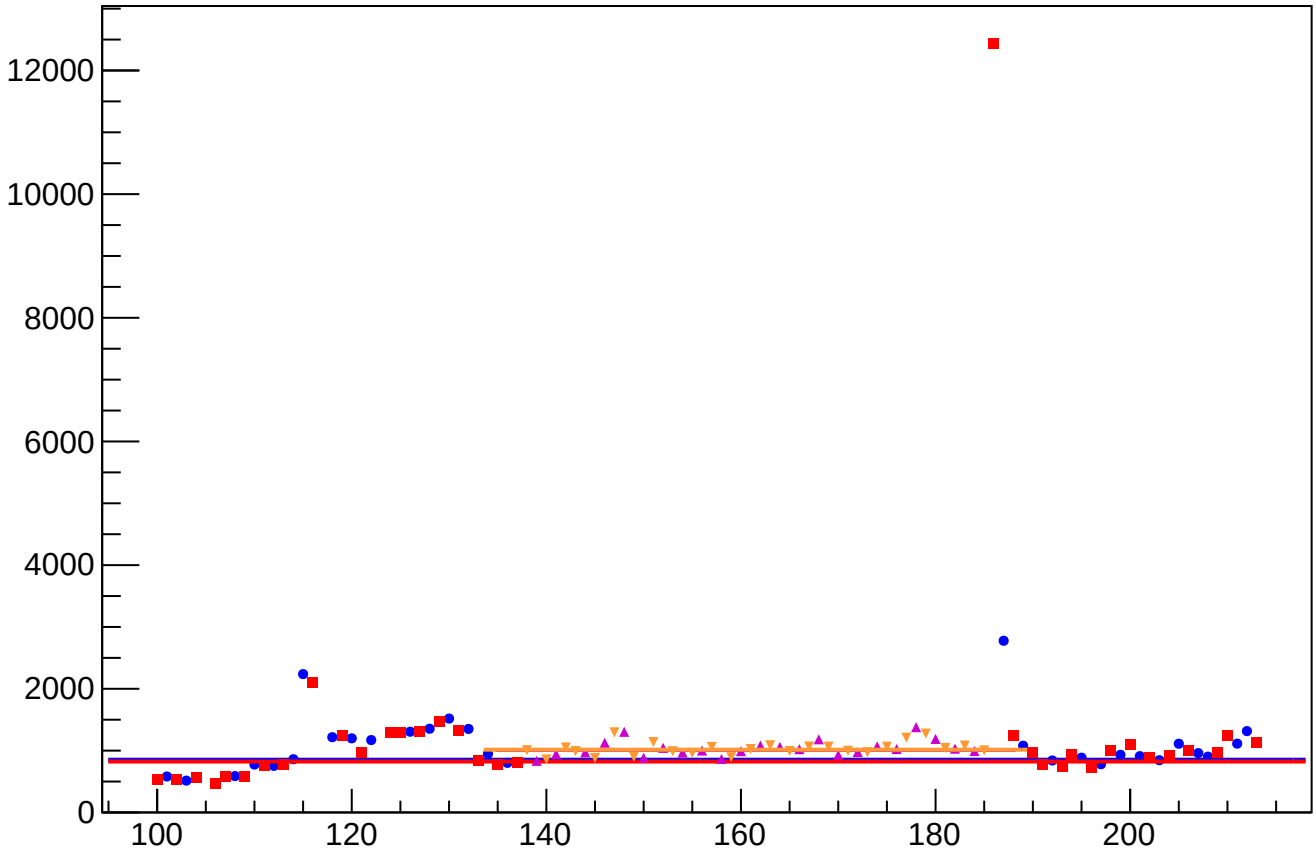
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 297.806+/-146.198 χ^2/NDF: 70.5/62

In: 31.619+/-159.067 χ^2/NDF:56.4/51

Out: 146.023+/-151.821 χ^2/NDF:71.6/58

All: 91.486+/-109.826 χ^2/NDF: 128.2/110



Right In: 853.031+/-0.151 χ^2/NDF: 2541728.2/28

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

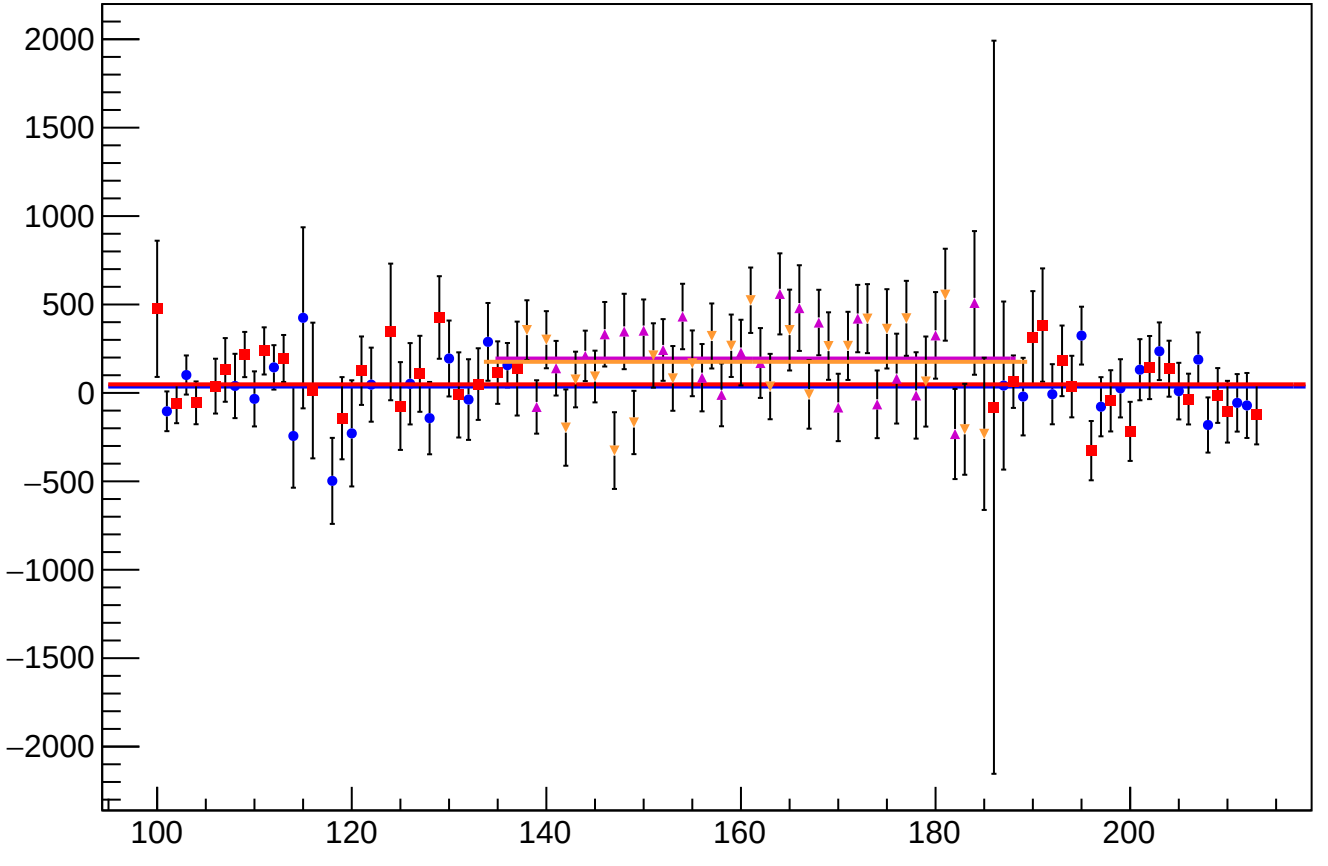
Right: 837.291+/-0.103 χ^2/NDF: 6249464.7/62

In: 922.910+/-0.112 χ^2/NDF:3519746.7/51

Out: 905.104+/-0.107 χ^2/NDF:4864264.7/58

All: 913.592+/-0.078 χ^2/NDF: 8397125.2/110

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 36.007+/-32.262 χ^2/NDF: 22.7/28

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

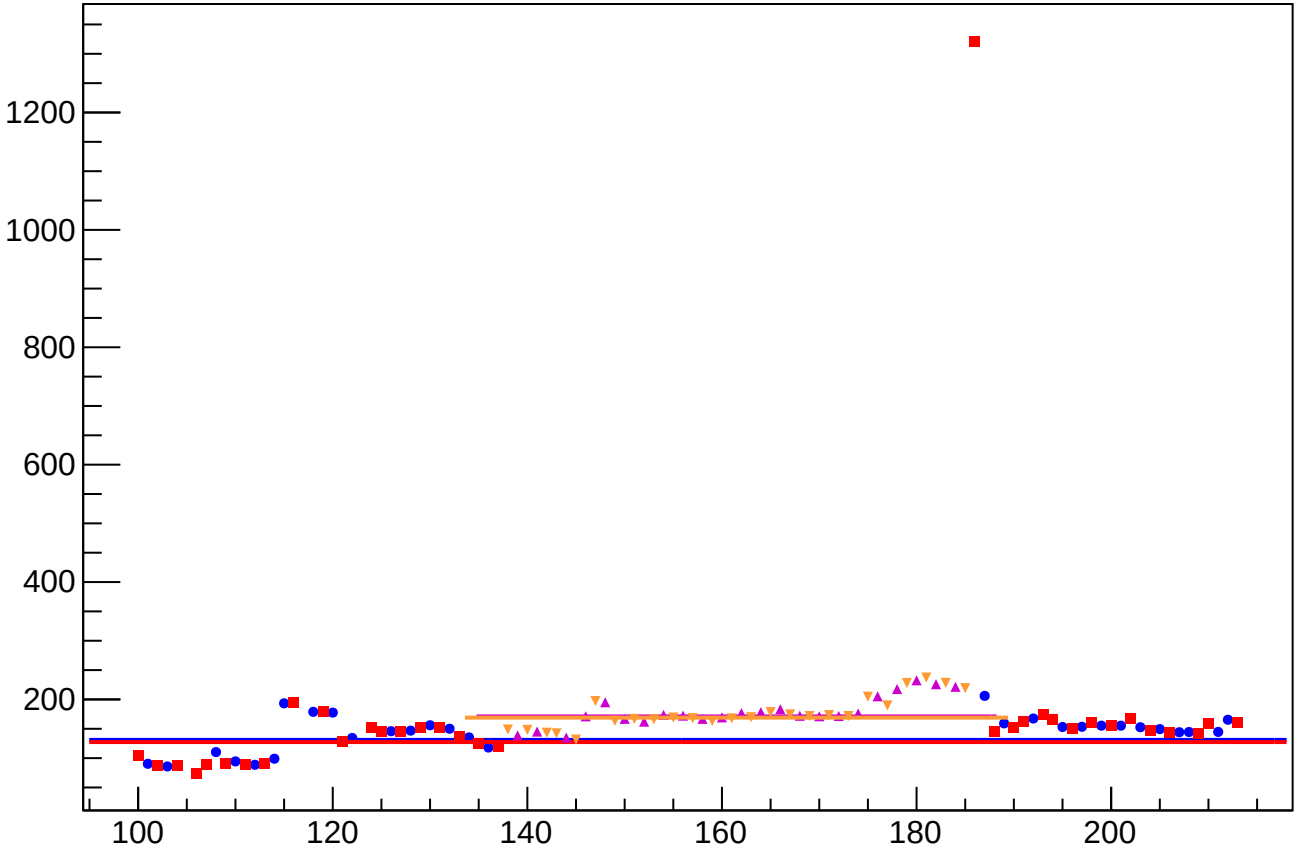
Right: 42.590+/-22.189 χ^2/NDF: 48.9/62

In: 97.685+/-25.206 χ^2/NDF:55.9/51

Out: 97.272+/-24.020 χ^2/NDF:63.6/58

All: 97.469+/-17.389 χ^2/NDF: 119.5/110

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 131.081+/-0.023 χ^2/NDF: 1728012.5/28

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

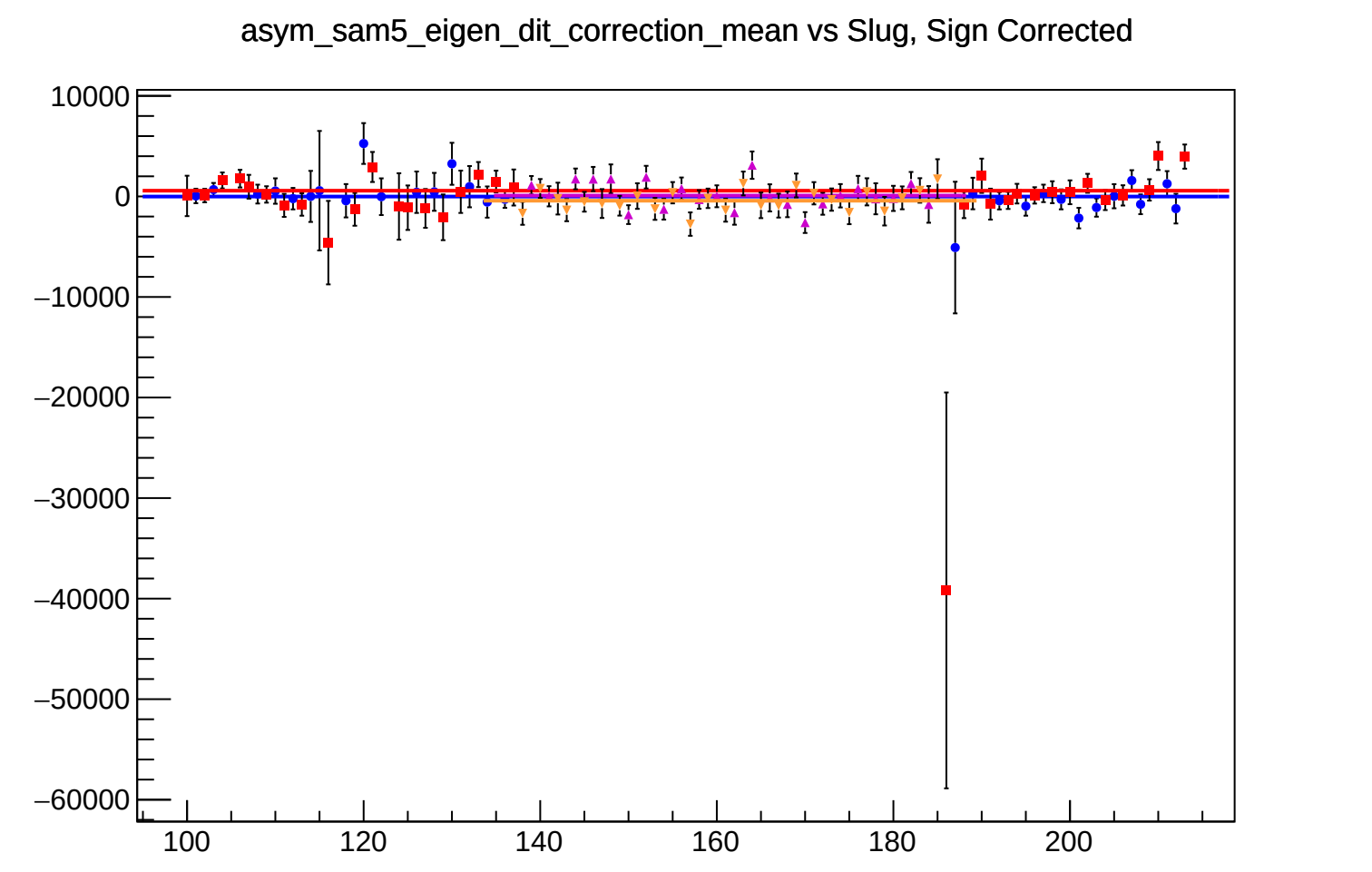
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 129.142+/-0.016 χ^2/NDF: 4735231.9/62

In: 146.641+/-0.018 χ^2/NDF:3600281.9/51

Out: 143.316+/-0.017 χ^2/NDF:5184936.2/58

All: 144.899+/-0.012 χ^2/NDF: 8803456.9/110



Right In: -12.571+/-213.731 χ^2/NDF: 23.9/28

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

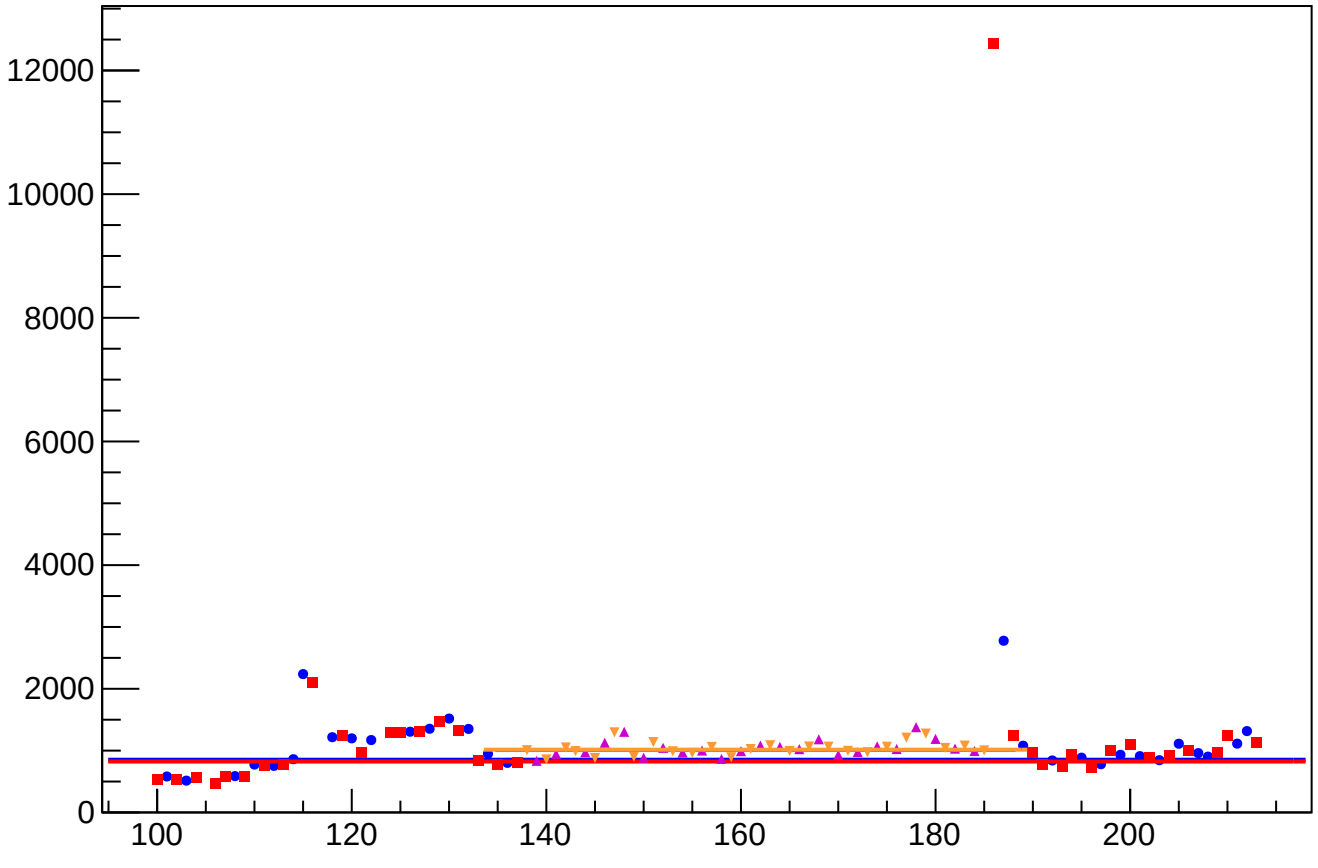
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 297.807+/-146.198 χ^2/NDF: 70.5/62

In: 31.620+/-159.067 χ^2/NDF:56.4/51

Out: 146.024+/-151.821 χ^2/NDF:71.6/58

All: 91.487+/-109.826 χ^2/NDF: 128.2/110



Right In: 853.030+/-0.151 χ^2/NDF: 2541727.4/28

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

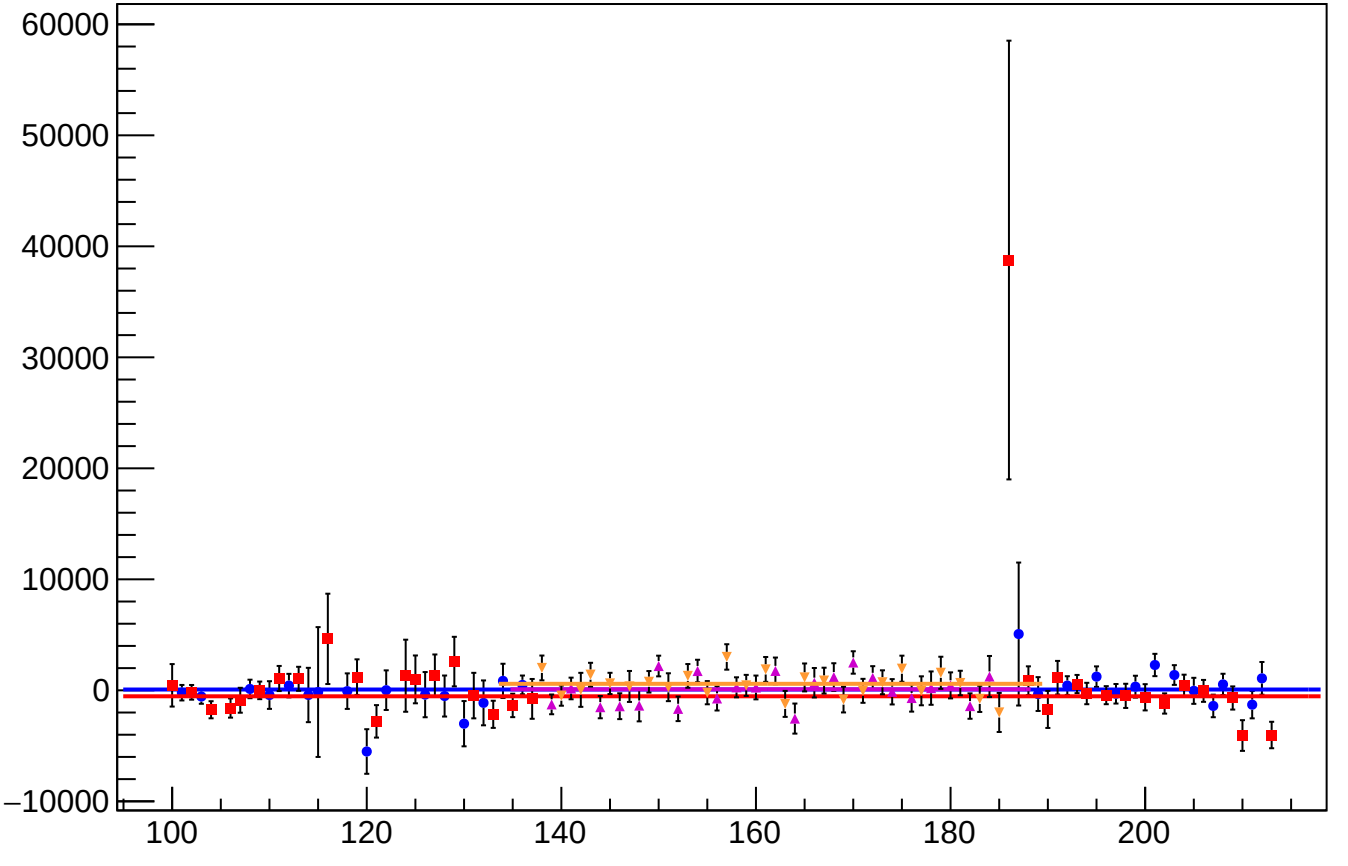
Right: 837.290+/-0.103 χ^2/NDF: 6249468.0/62

In: 922.910+/-0.112 χ^2/NDF:3519757.7/51

Out: 905.104+/-0.107 χ^2/NDF:4864279.8/58

All: 913.592+/-0.078 χ^2/NDF: 8397151.3/110

asym_sam5_mean vs Slug, Sign Corrected



Right In: 72.657+/-209.062 χ^2/NDF: 26.2/28

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

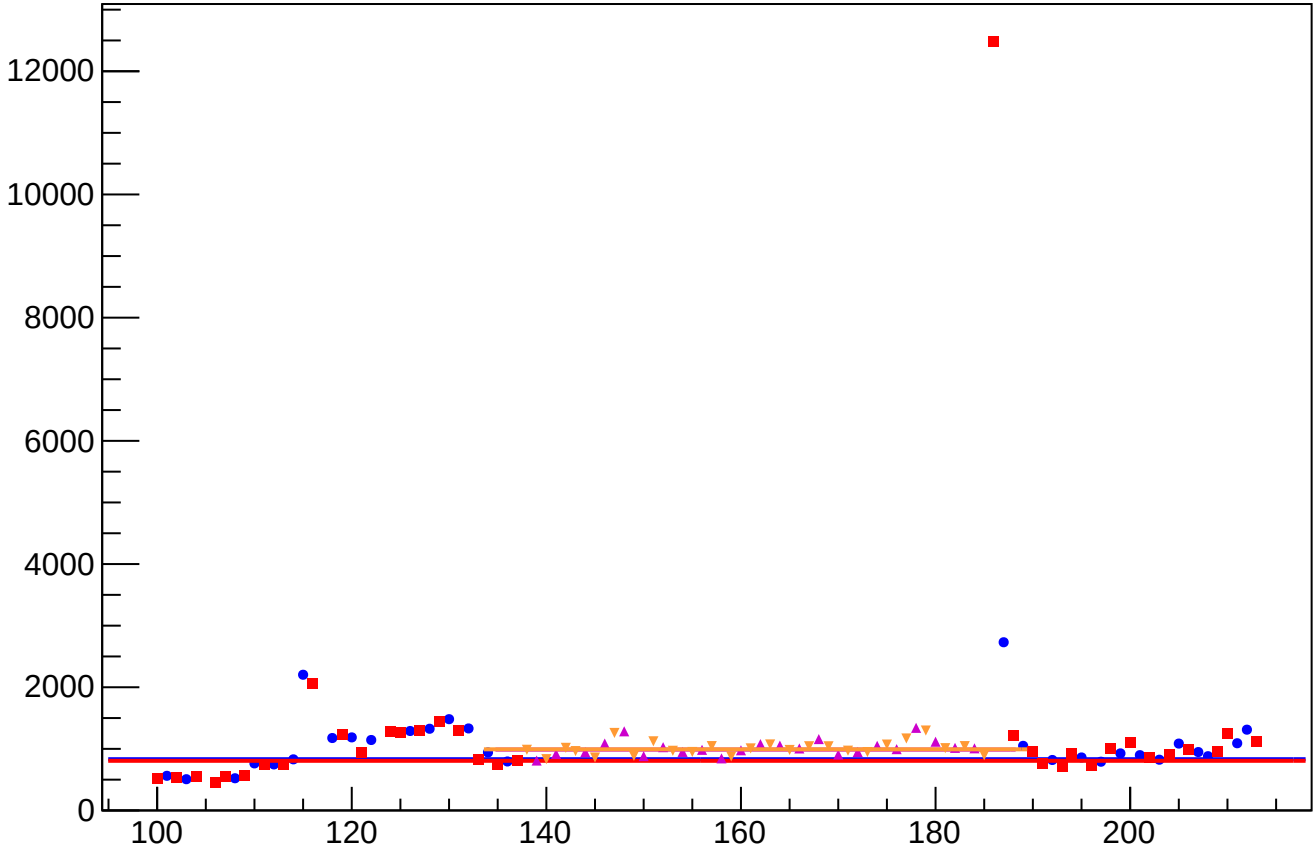
Right: -250.928+/-143.257 χ^2/NDF: 76.8/62

In: 81.590+/-155.612 χ^2/NDF:60.8/51

Out: -56.958+/-148.816 χ^2/NDF:80.8/58

All: 9.225+/-107.551 χ^2/NDF: 142.0/110

asym_sam5_rms vs Slug, Sign Corrected



Right In: 832.204+/-0.148 χ^2/NDF: 2668492.3/28

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

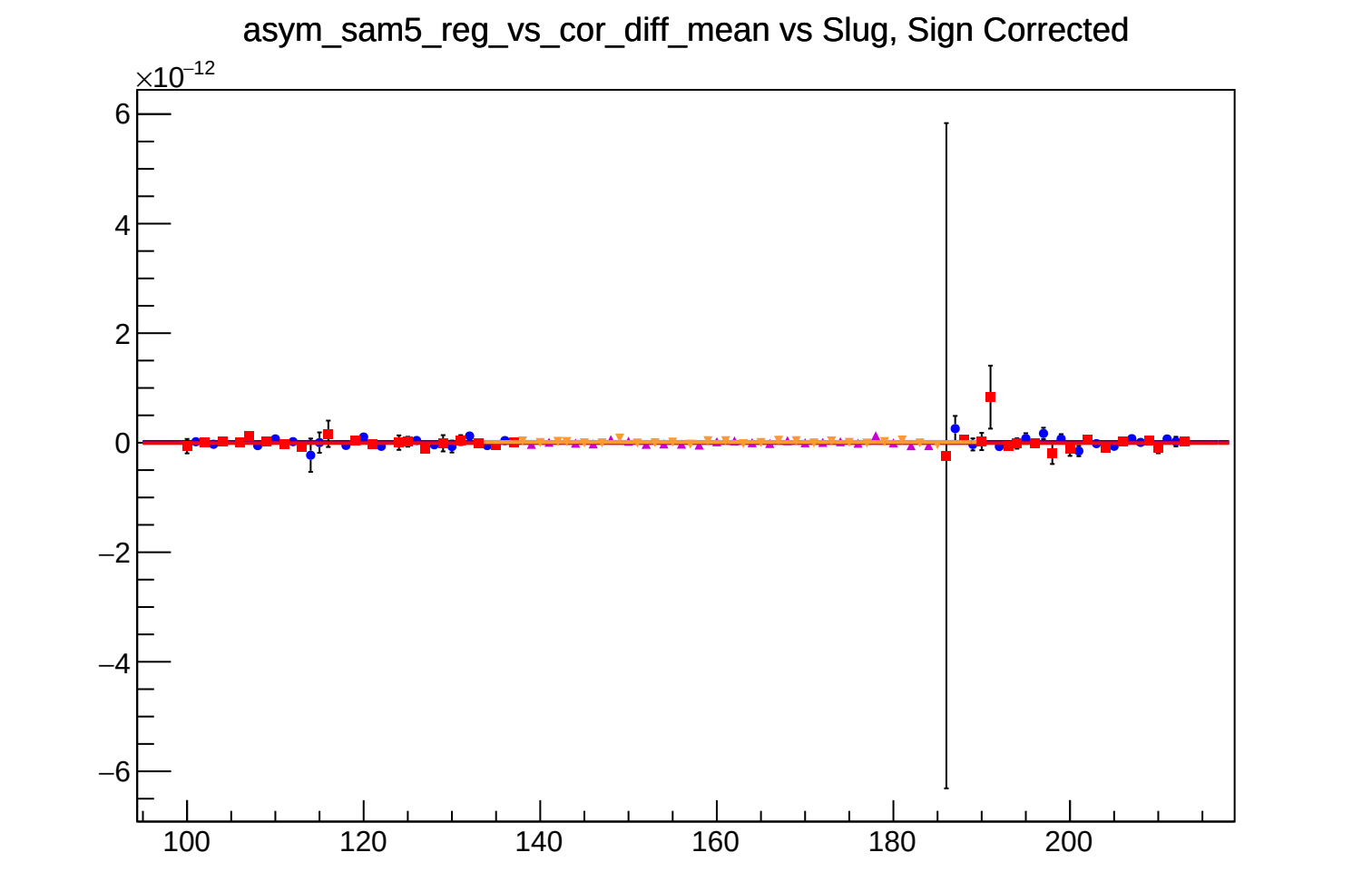
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 818.317+/-0.101 χ^2/NDF: 6483148.3/62

In: 901.588+/-0.110 χ^2/NDF:3650183.4/51

Out: 885.778+/-0.105 χ^2/NDF:4991925.2/58

All: 893.330+/-0.076 χ^2/NDF: 8652890.4/110



Right In: 0.000+/-0.000 χ^2/NDF: 30.6/28

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

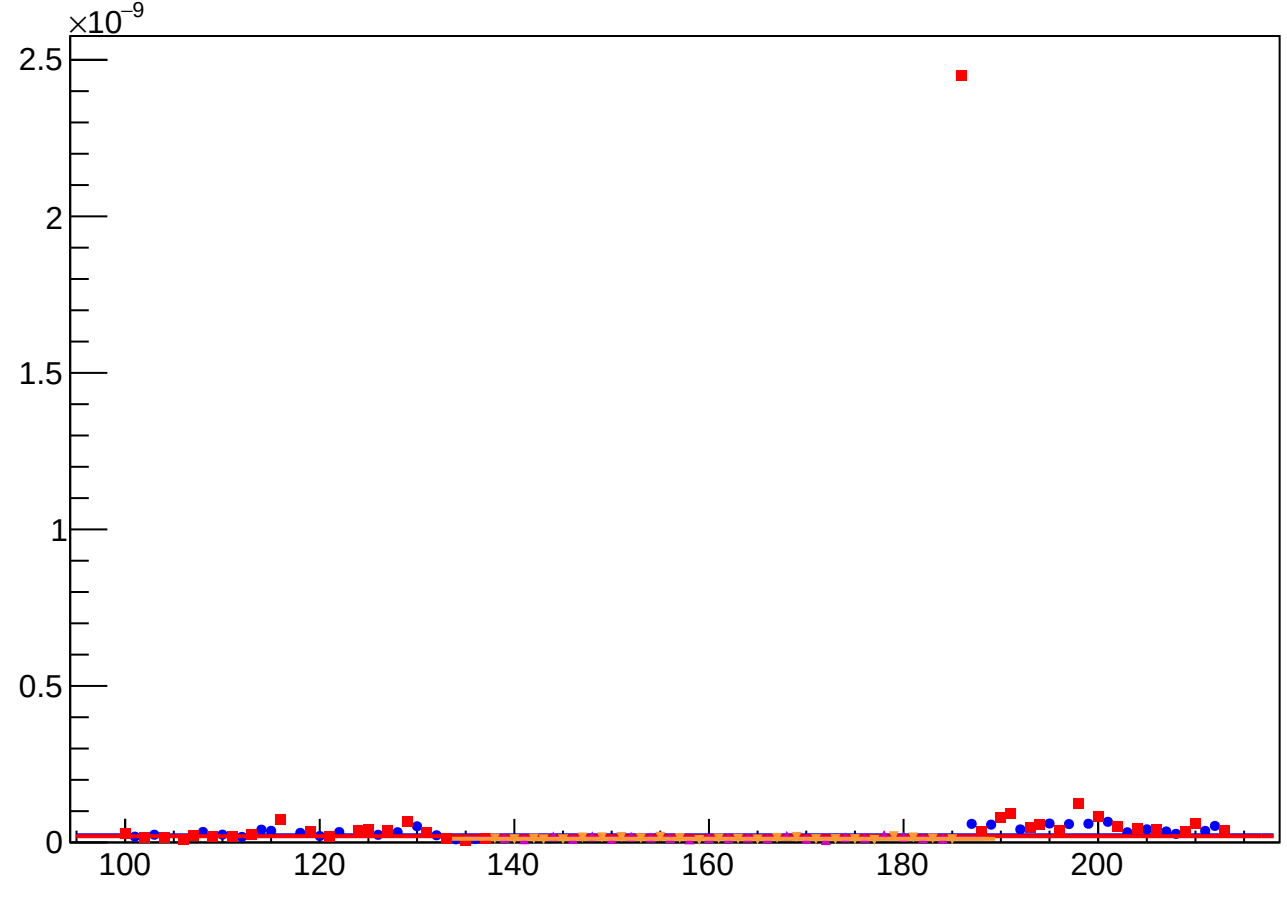
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 58.8/62

In: 0.000+/-0.000 χ^2/NDF:61.6/51

Out: 0.000+/-0.000 χ^2/NDF:52.7/58

All: 0.000+/-0.000 χ^2/NDF: 115.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 4050332.4/28

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

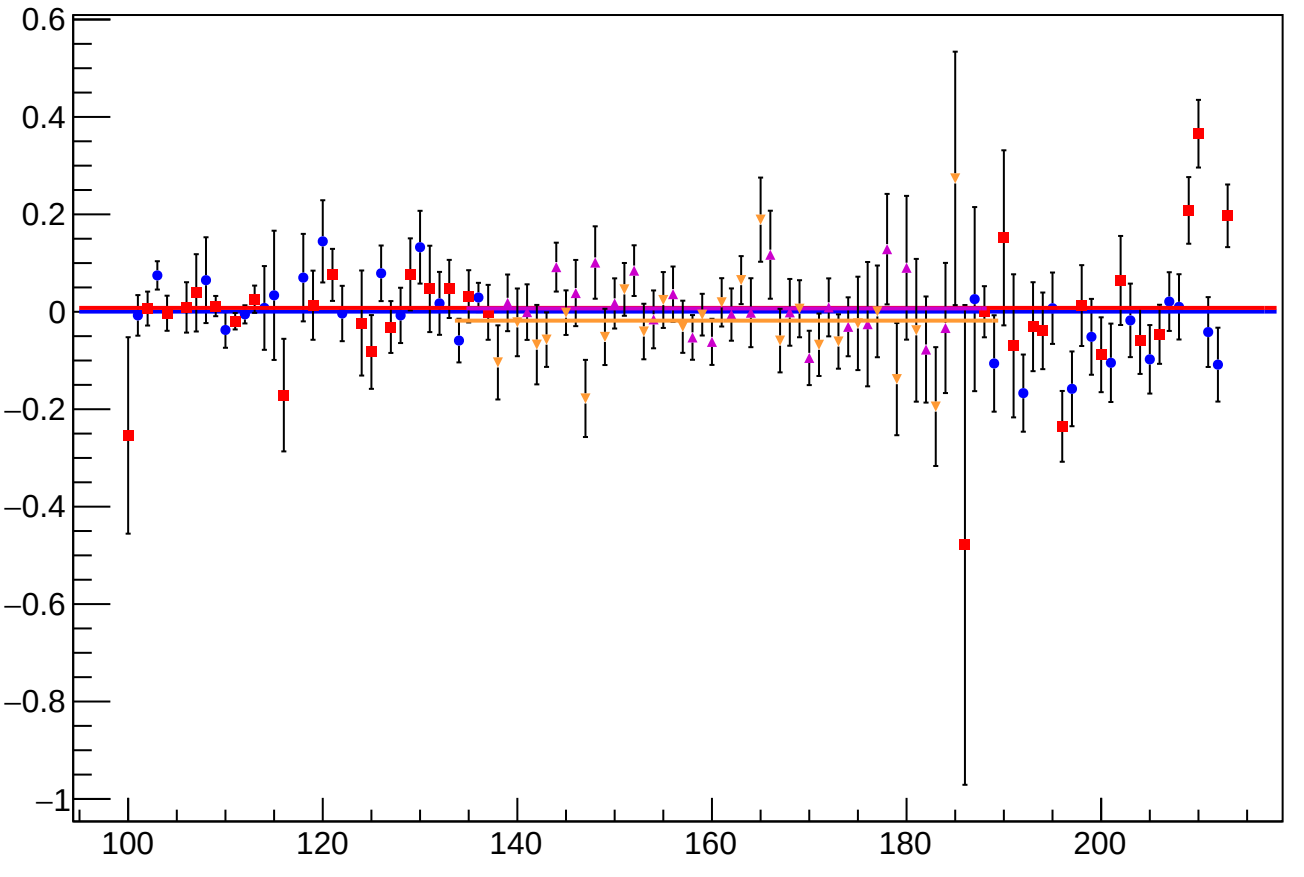
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10722657.7/62

In: 0.000+/-0.000 χ^2/NDF:6433502.9/51

Out: 0.000+/-0.000 χ^2/NDF:8771960.5/58

All: 0.000+/-0.000 χ^2/NDF: 15451238.2/110



Right In: 0.000+/-0.009 χ^2/NDF: 36.3/28

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

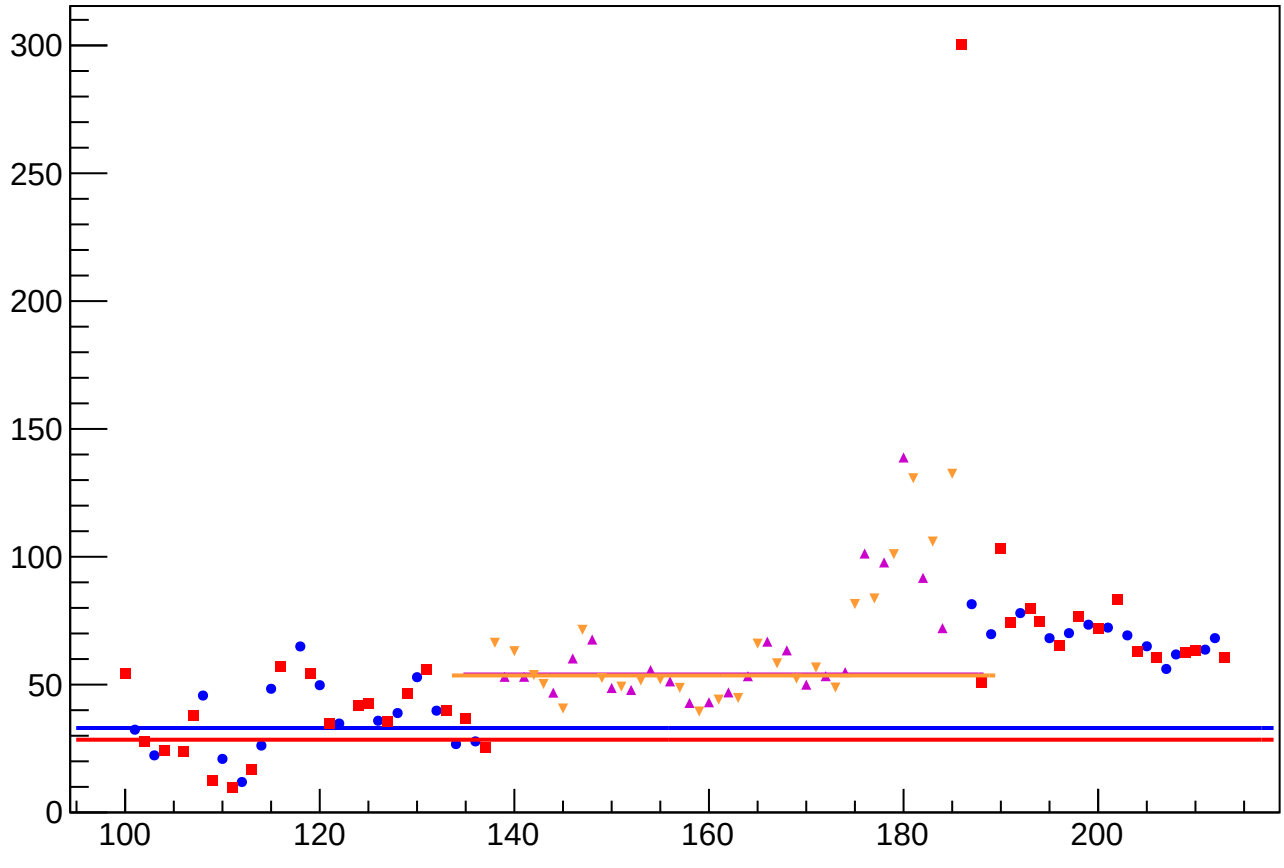
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.005+/-0.006 χ^2/NDF: 110.5/62

In: 0.003+/-0.008 χ^2/NDF:55.1/51

Out: 0.000+/-0.007 χ^2/NDF:101.1/58

All: 0.001+/-0.005 χ^2/NDF: 156.3/110



Right In: 33.030+/-0.007 χ^2/NDF: 9087414.8/28

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

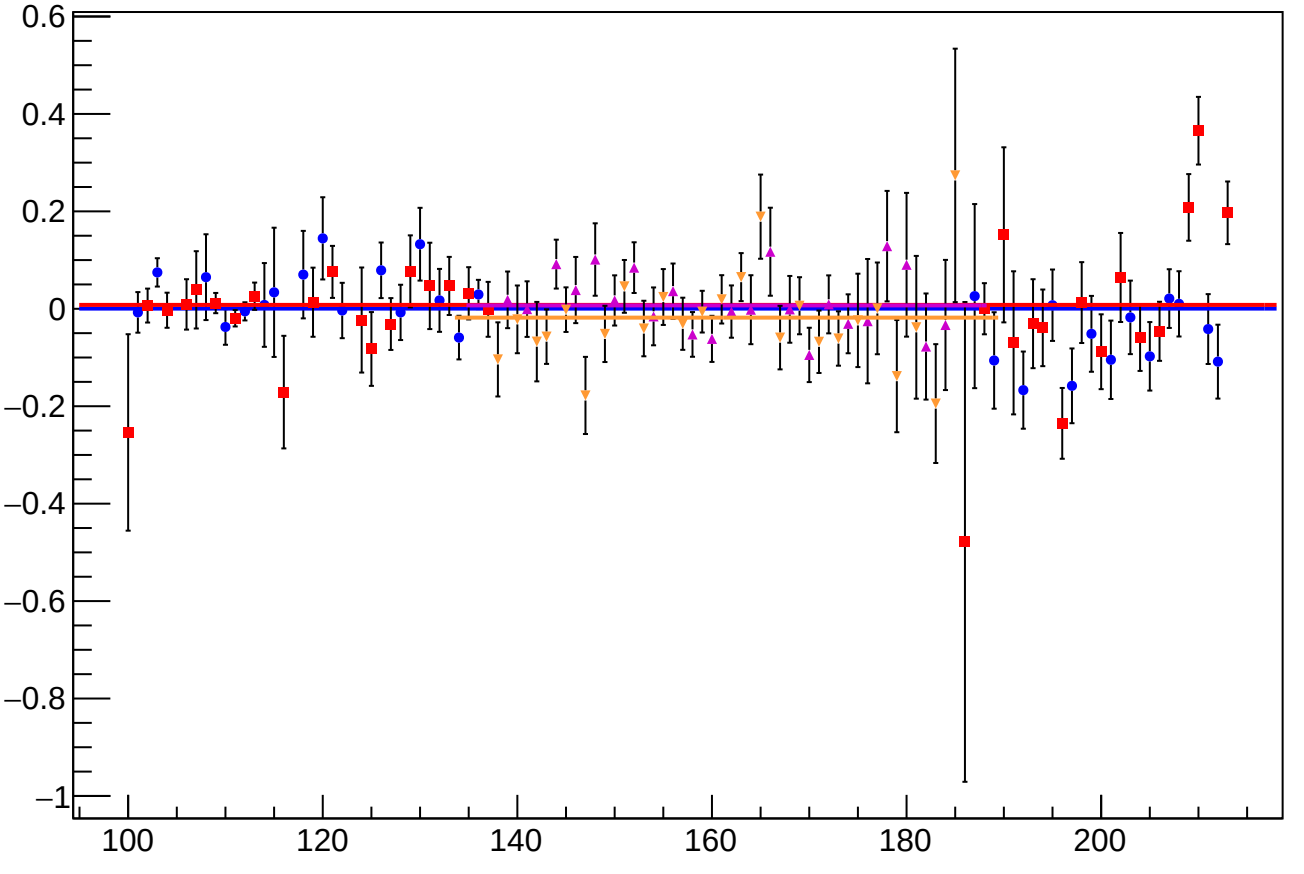
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 30.461+/-0.004 χ^2/NDF: 22381708.5/62

In: 40.156+/-0.005 χ^2/NDF:14447111.6/51

Out: 35.990+/-0.005 χ^2/NDF:21070641.6/58

All: 37.879+/-0.004 χ^2/NDF: 35837947.3/110



Right In: 0.000+/-0.009 χ^2/NDF: 36.3/28

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

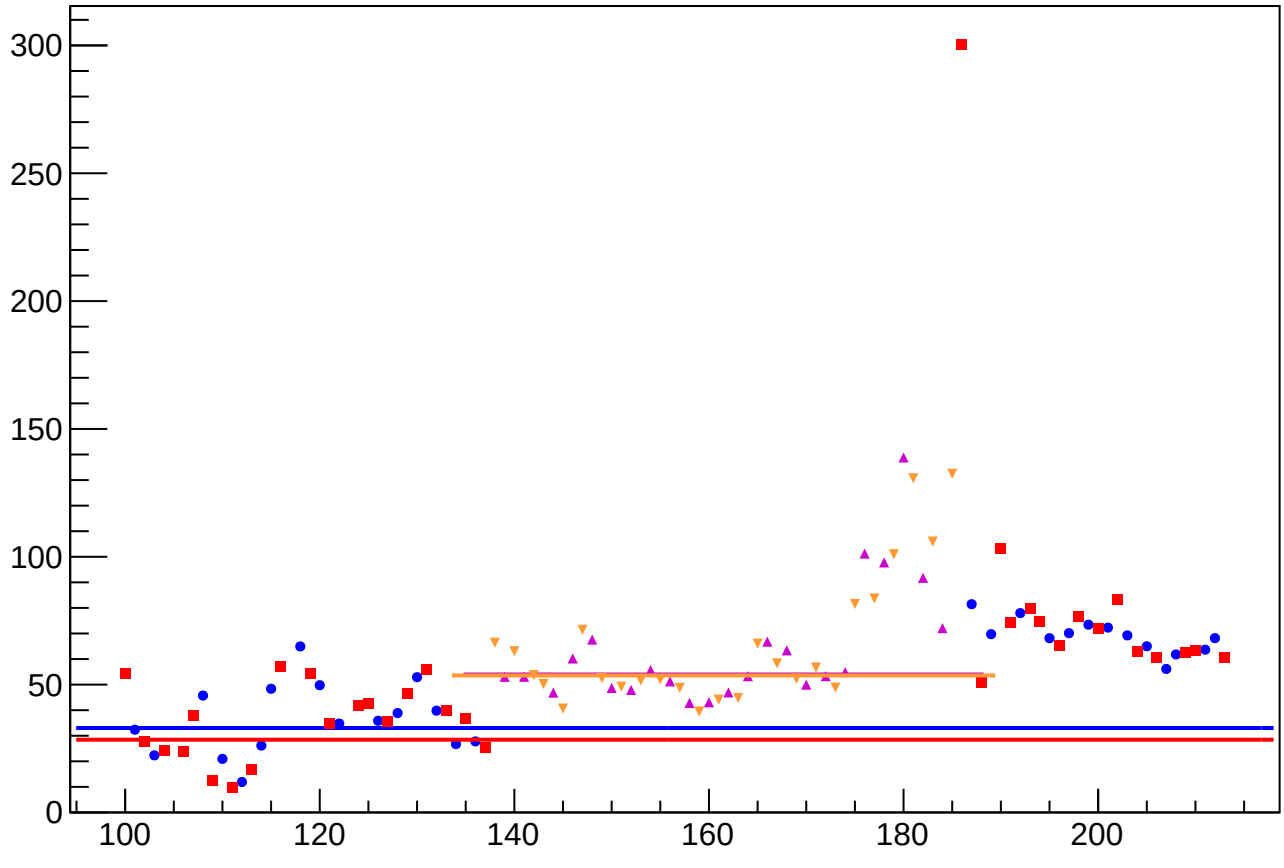
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.005+/-0.006 χ^2/NDF: 110.5/62

In: 0.003+/-0.008 χ^2/NDF:55.1/51

Out: 0.000+/-0.007 χ^2/NDF:101.1/58

All: 0.001+/-0.005 χ^2/NDF: 156.3/110



Right In: 33.030+/-0.007 χ^2/NDF: 9087414.8/28

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

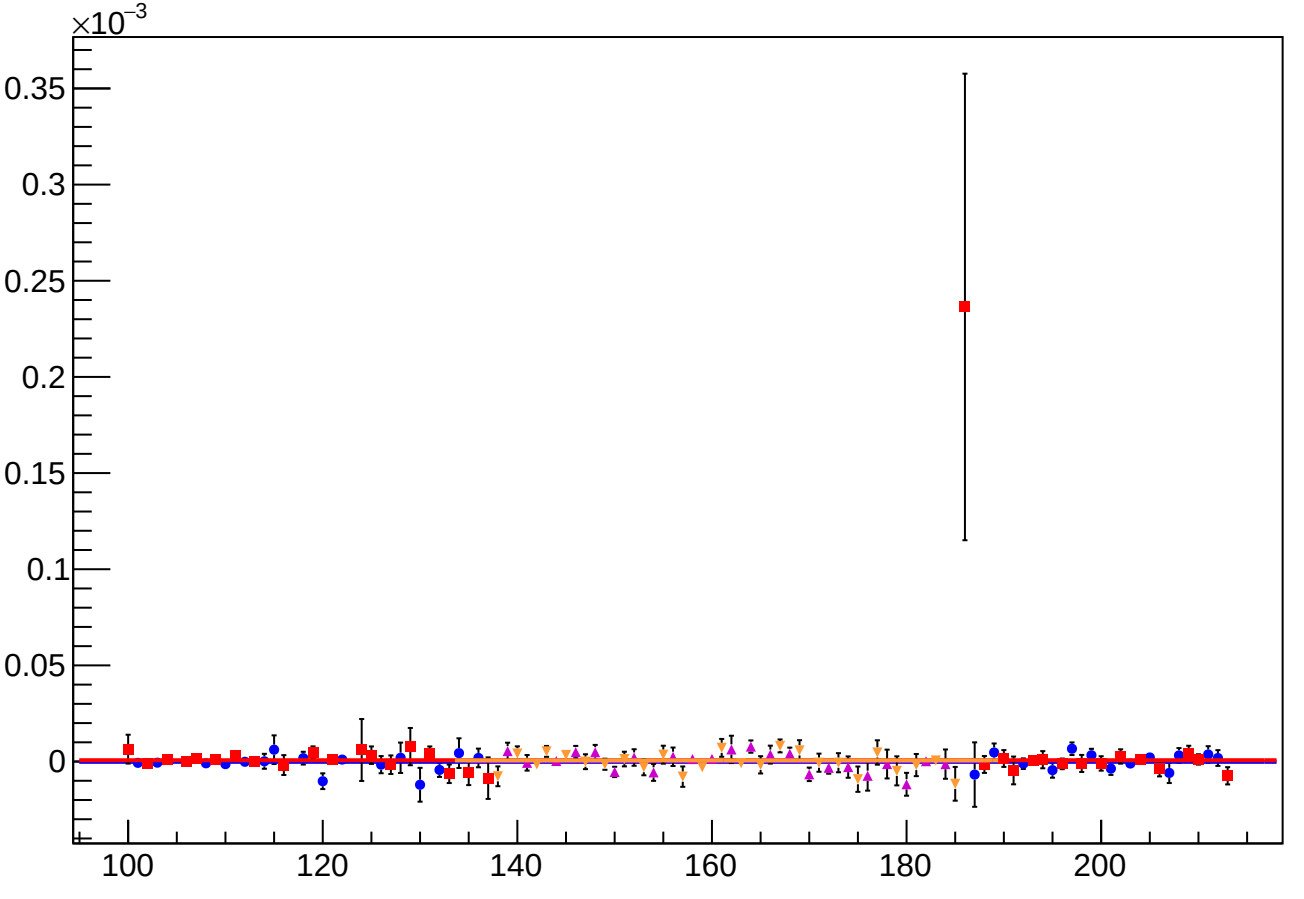
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 30.461+/-0.004 χ^2/NDF: 22381708.5/62

In: 40.156+/-0.005 χ^2/NDF:14447111.6/51

Out: 35.990+/-0.005 χ^2/NDF:21070641.6/58

All: 37.879+/-0.004 χ^2/NDF: 35837947.3/110



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/28

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

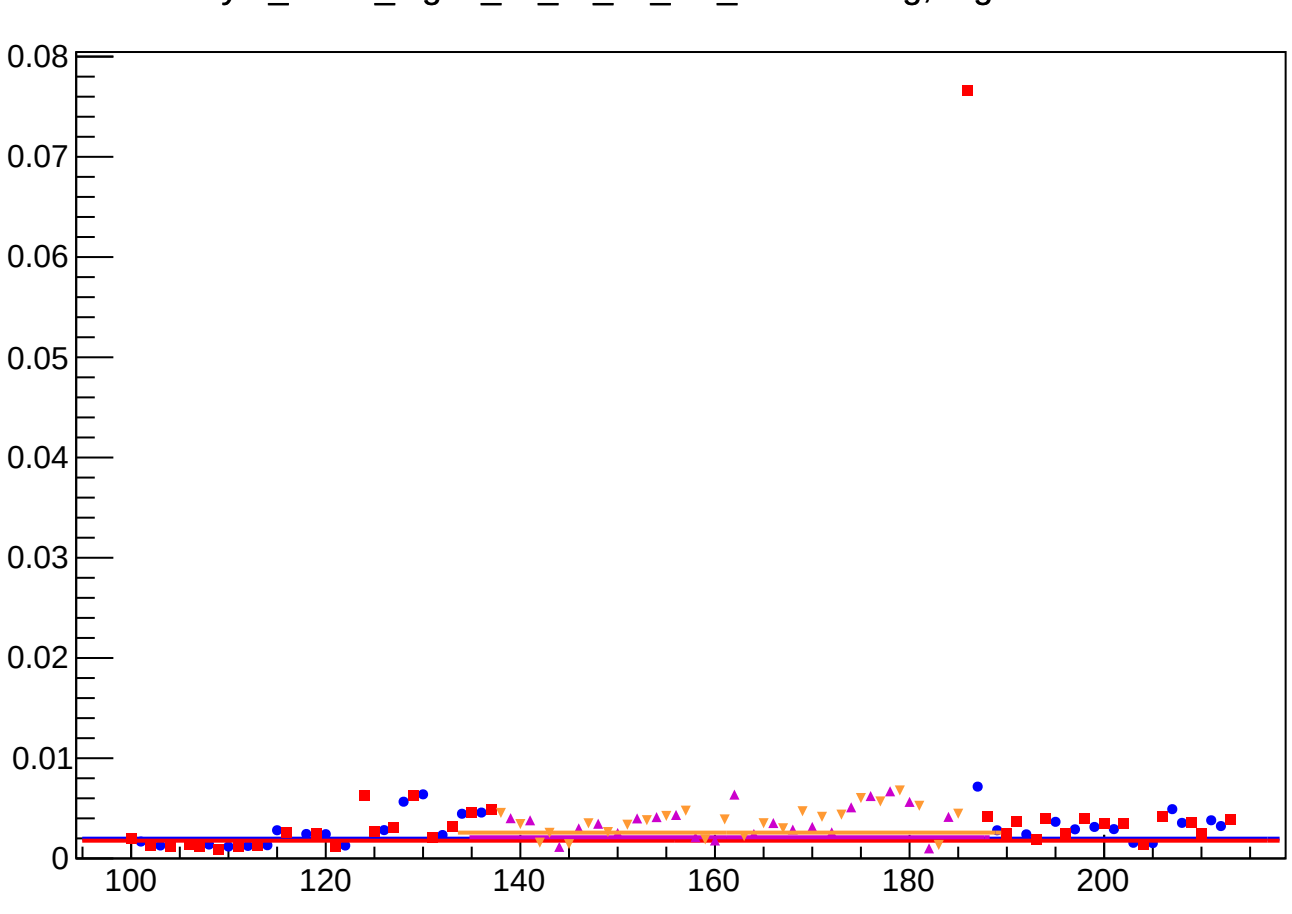
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 50.0/62

In: 0.000+/-0.000 χ^2/NDF:57.1/51

Out: 0.000+/-0.000 χ^2/NDF:53.8/58

All: 0.000+/-0.000 χ^2/NDF: 112.0/110



Right In: 0.002+/-0.000 χ^2/NDF: 6323533.5/28

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

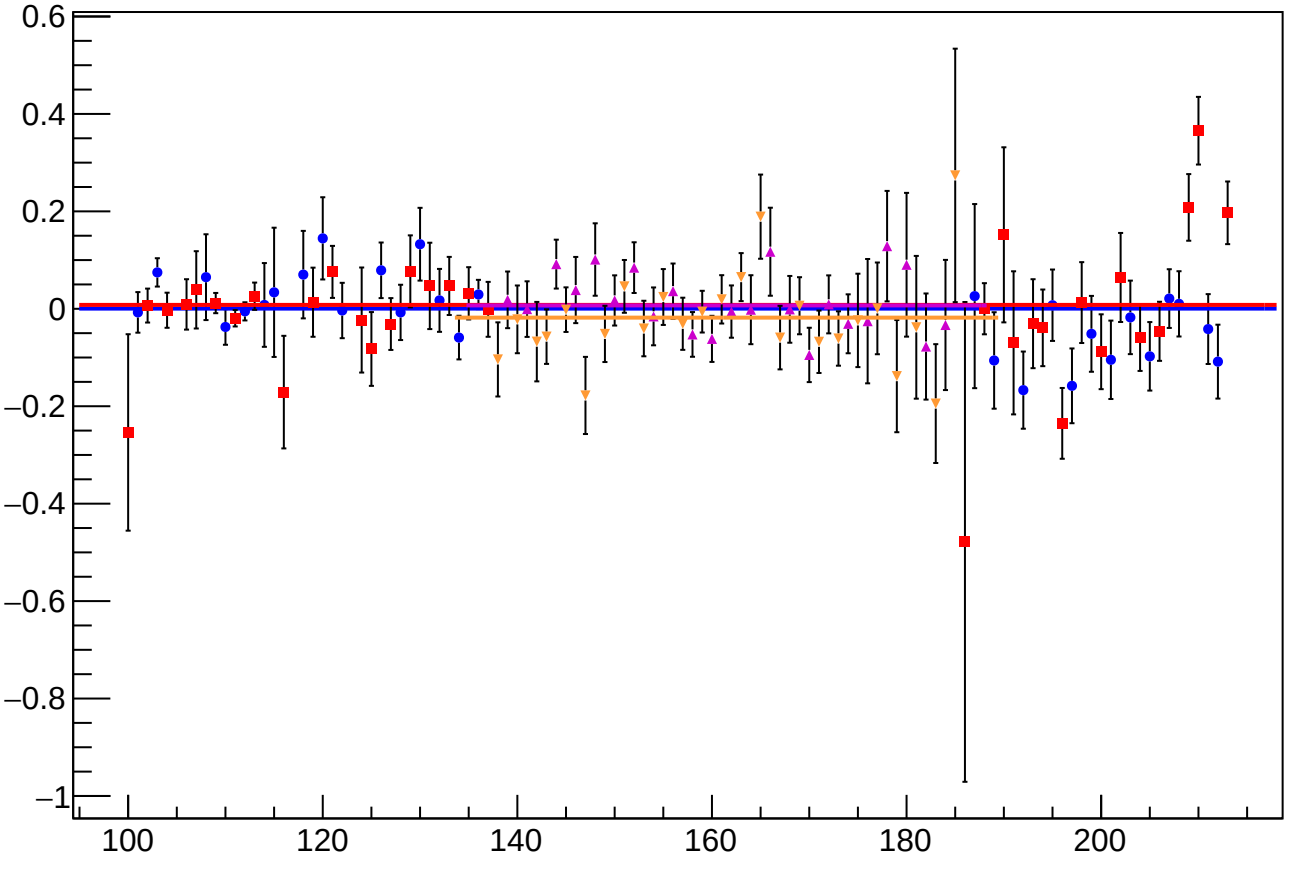
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 15501459.8/62

In: 0.002+/-0.000 χ^2/NDF:15871369.1/51

Out: 0.002+/-0.000 χ^2/NDF:18064185.4/58

All: 0.002+/-0.000 χ^2/NDF: 33936301.4/110



Right In: 0.000+/-0.009 χ^2/NDF: 36.3/28

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

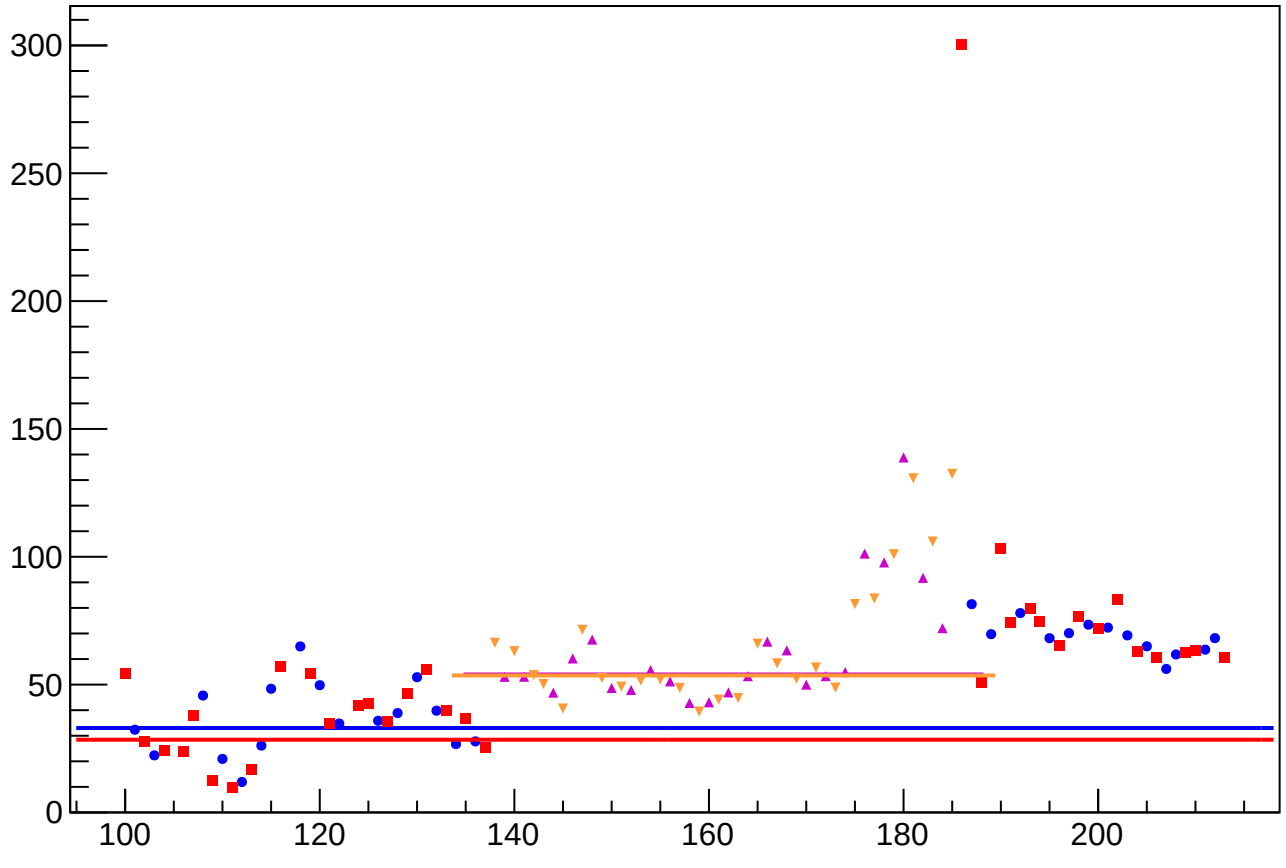
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.005+/-0.006 χ^2/NDF: 110.5/62

In: 0.003+/-0.008 χ^2/NDF:55.1/51

Out: 0.000+/-0.007 χ^2/NDF:101.1/58

All: 0.001+/-0.005 χ^2/NDF: 156.3/110



Right In: 33.030+/-0.007 χ^2/NDF: 9087519.6/28

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

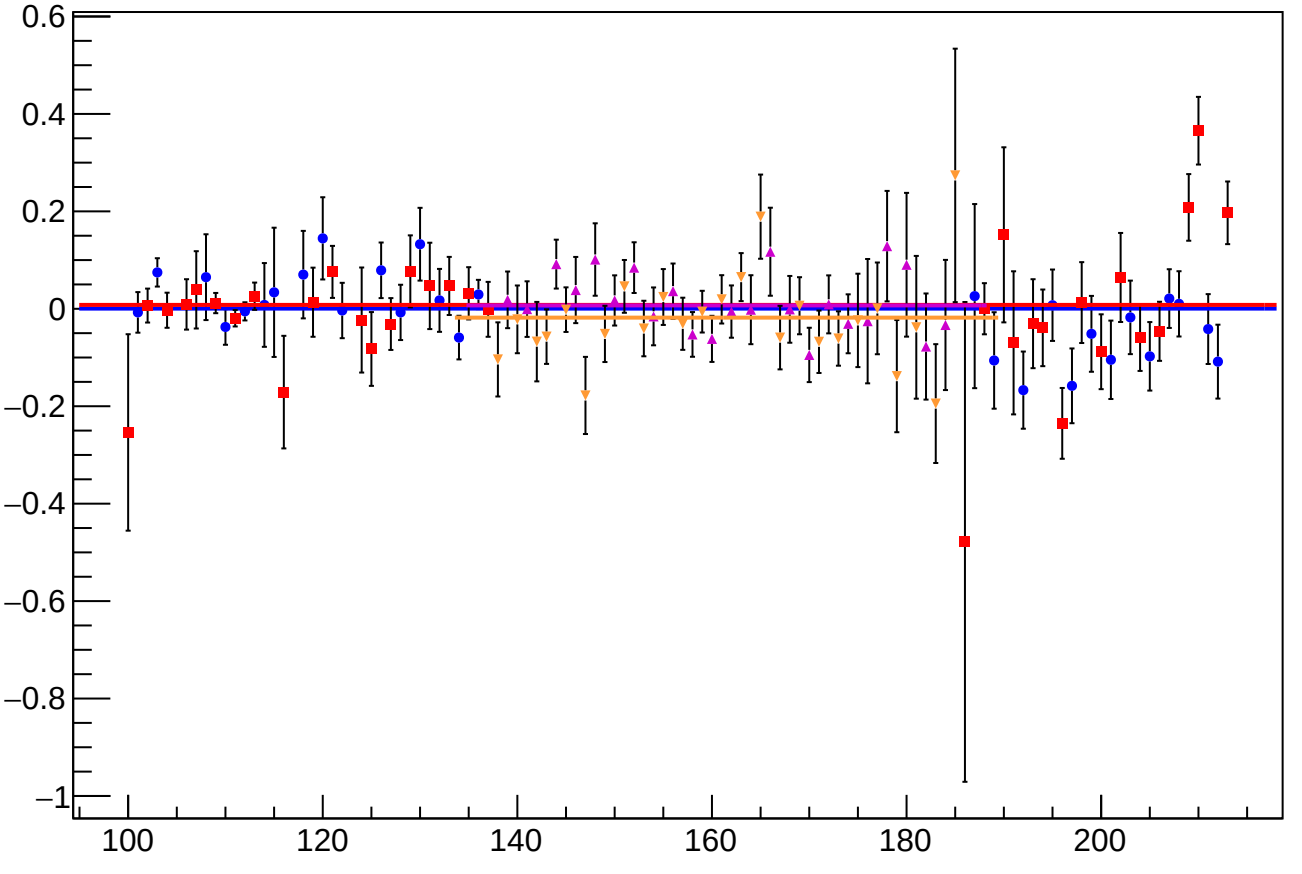
Right: 30.460+/-0.004 χ^2/NDF: 22382031.6/62

In: 40.155+/-0.005 χ^2/NDF:14447594.8/51

Out: 35.989+/-0.005 χ^2/NDF:21071346.3/58

All: 37.878+/-0.004 χ^2/NDF: 35839156.6/110

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.009 χ^2/NDF: 36.3/28

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

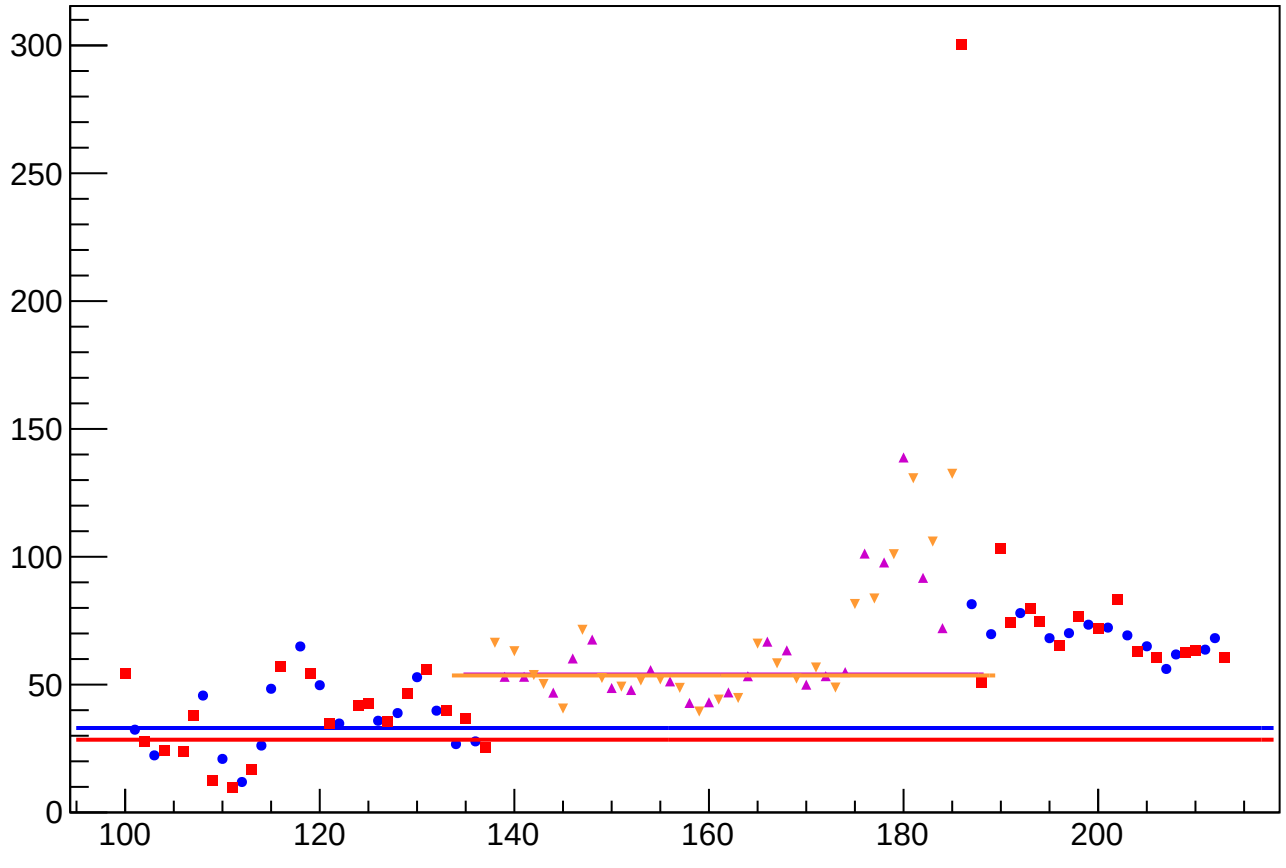
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.005+/-0.006 χ^2/NDF: 110.5/62

In: 0.003+/-0.008 χ^2/NDF:55.1/51

Out: 0.000+/-0.007 χ^2/NDF:101.1/58

All: 0.001+/-0.005 χ^2/NDF: 156.3/110



Right In: 33.030+/-0.007 χ^2/NDF: 9087519.6/28

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

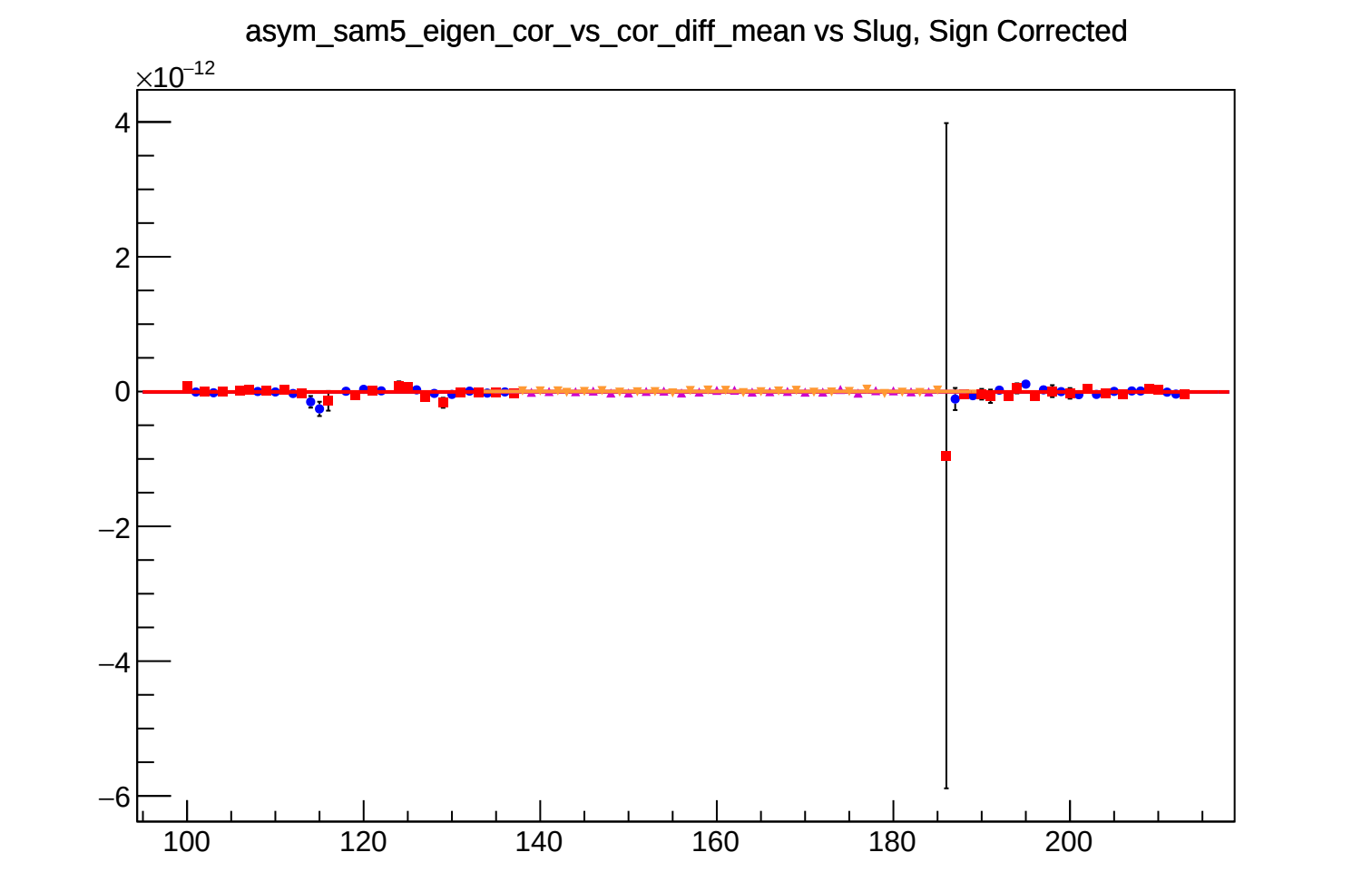
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 30.460+/-0.004 χ^2/NDF: 22382031.6/62

In: 40.155+/-0.005 χ^2/NDF:14447594.8/51

Out: 35.989+/-0.005 χ^2/NDF:21071346.3/58

All: 37.878+/-0.004 χ^2/NDF: 35839156.6/110



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/28

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

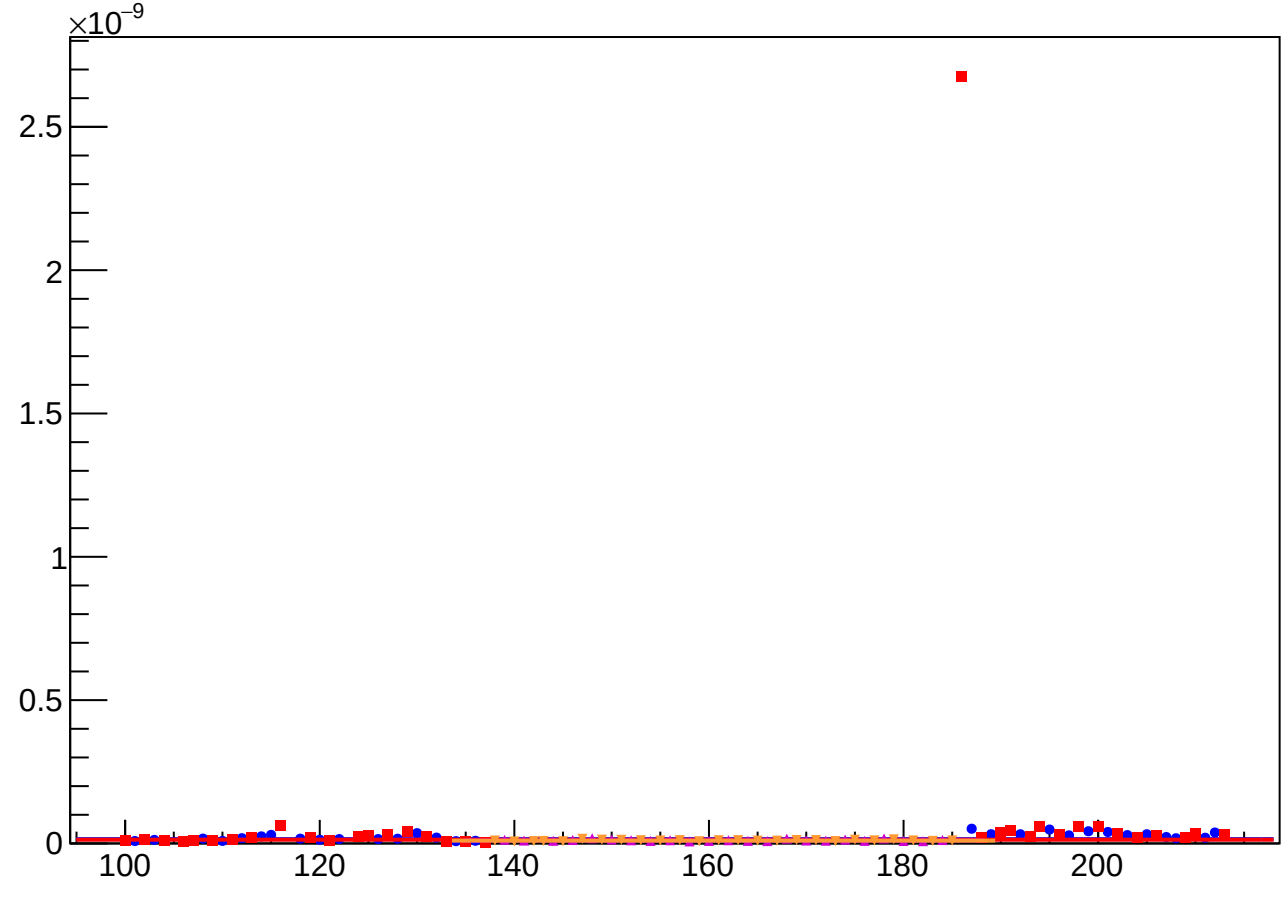
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 63.2/62

In: -0.000+/-0.000 χ^2/NDF:42.2/51

Out: -0.000+/-0.000 χ^2/NDF:69.2/58

All: -0.000+/-0.000 χ^2/NDF: 111.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 5514085.3/28

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

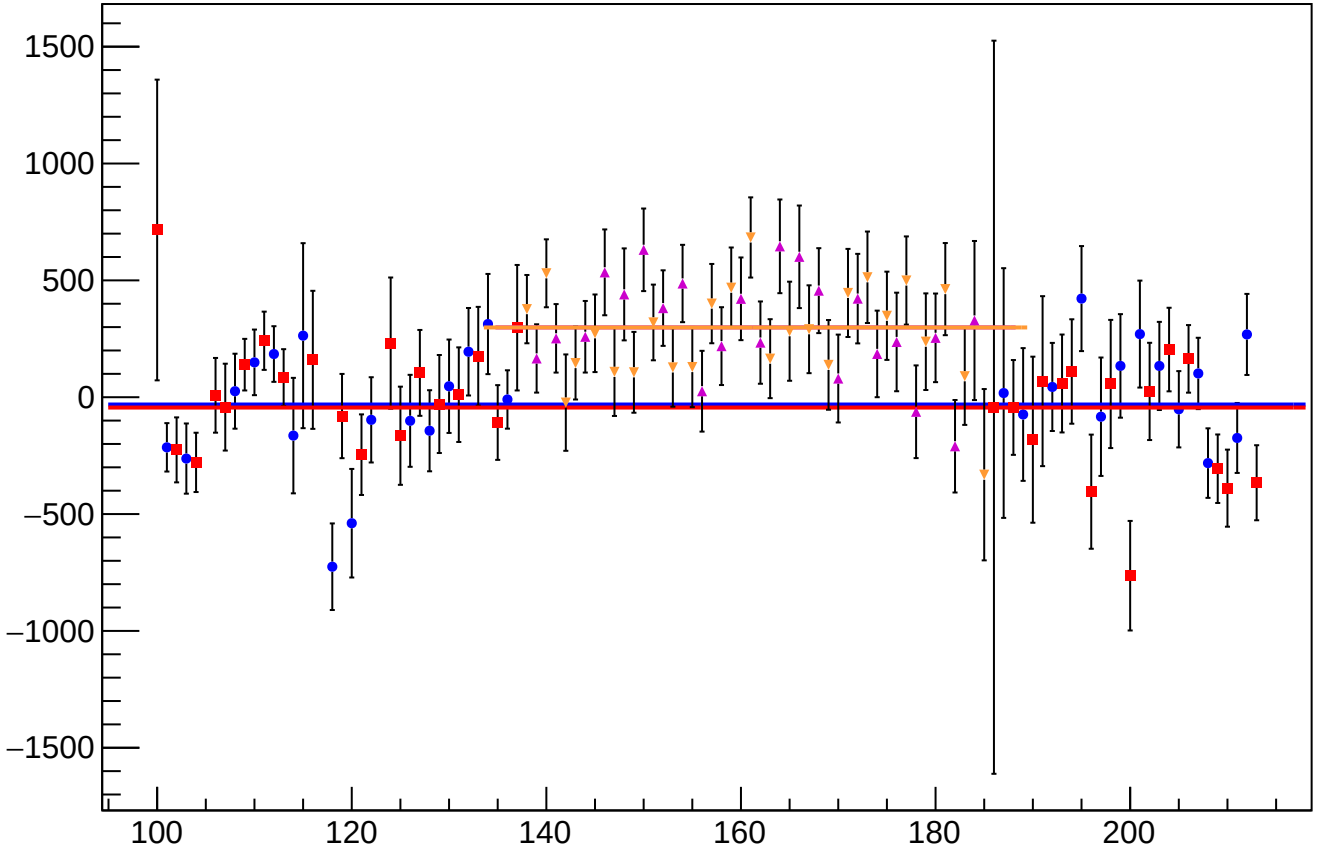
Right: 0.000+/-0.000 χ^2/NDF: 14596683.3/62

In: 0.000+/-0.000 χ^2/NDF:8078722.2/51

Out: 0.000+/-0.000 χ^2/NDF:10861961.4/58

All: 0.000+/-0.000 χ^2/NDF: 19014276.3/110

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -31.224+/-32.492 χ^2/NDF: 50.0/28

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

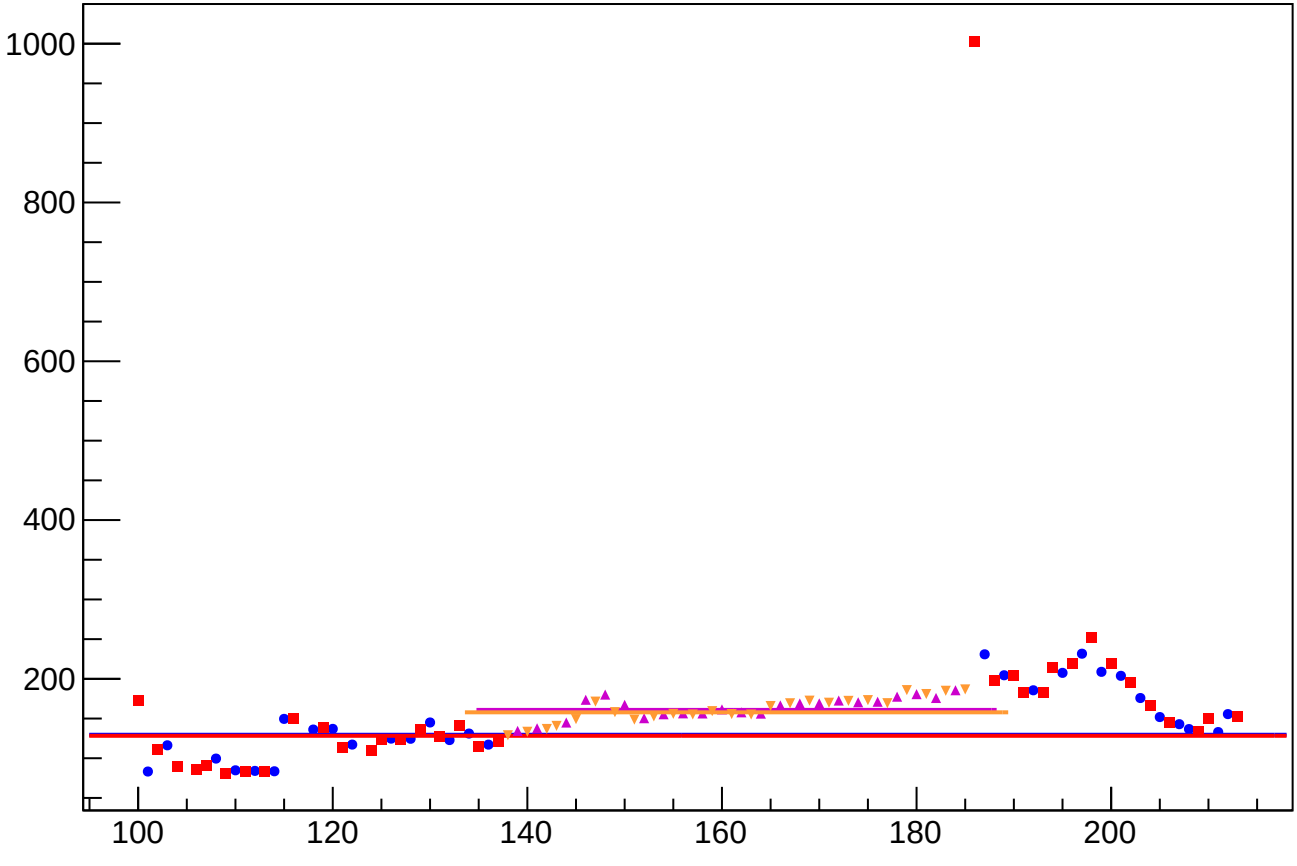
Right: -37.956+/-22.560 χ^2/NDF: 101.0/62

In: 109.266+/-24.620 χ^2/NDF:123.3/51

Out: 103.350+/-23.656 χ^2/NDF:128.4/58

All: 106.190+/-17.058 χ^2/NDF: 251.7/110

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 129.566+/-0.023 χ^2/NDF: 2750137.2/28

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

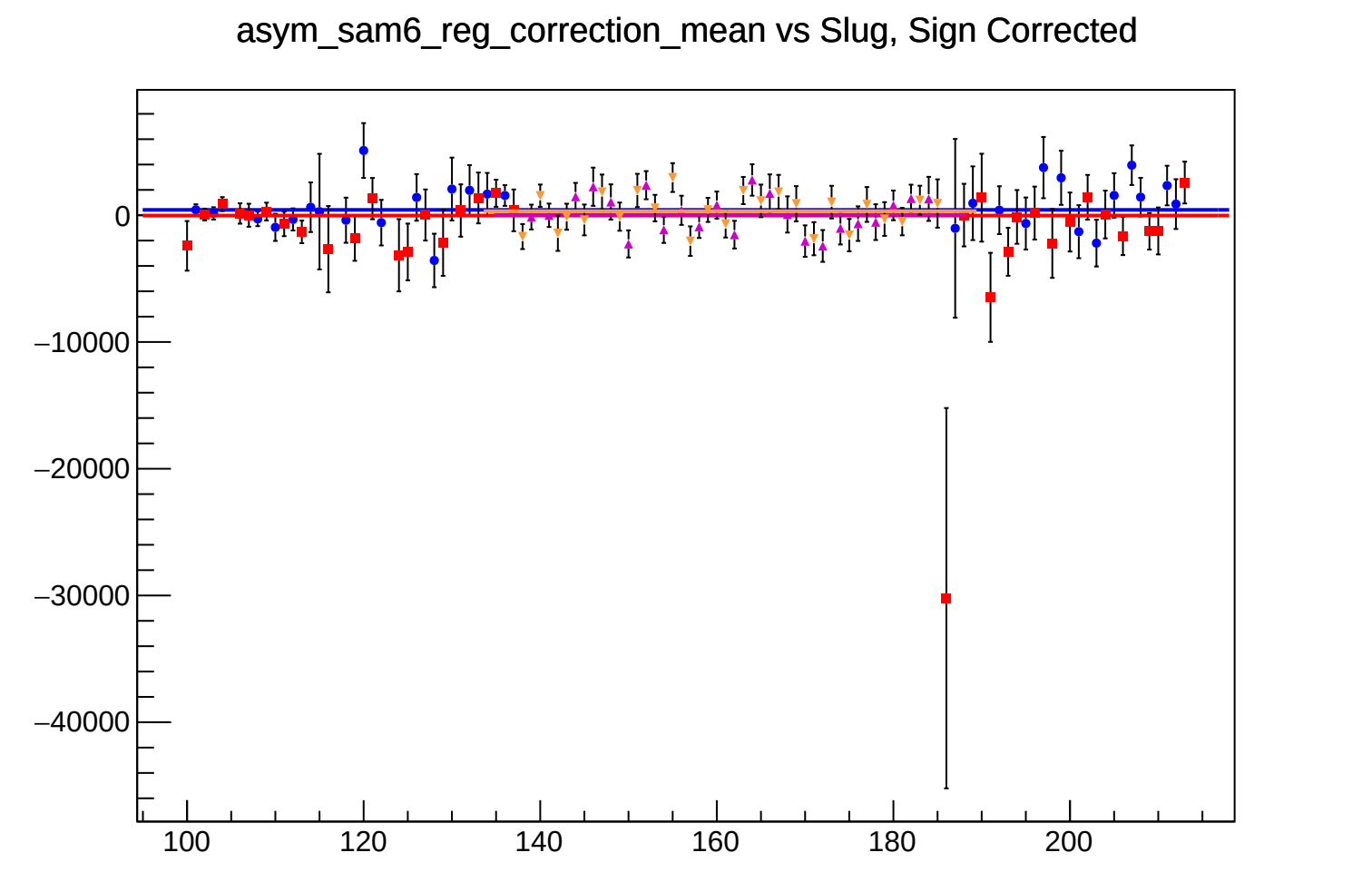
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 128.898+/-0.016 χ^2/NDF: 6998328.0/62

In: 142.899+/-0.017 χ^2/NDF:3809288.1/51

Out: 141.004+/-0.017 χ^2/NDF:5389424.4/58

All: 141.914+/-0.012 χ^2/NDF: 9204869.6/110



Right In: 424.528+/-212.240 χ^2/NDF: 30.8/28

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

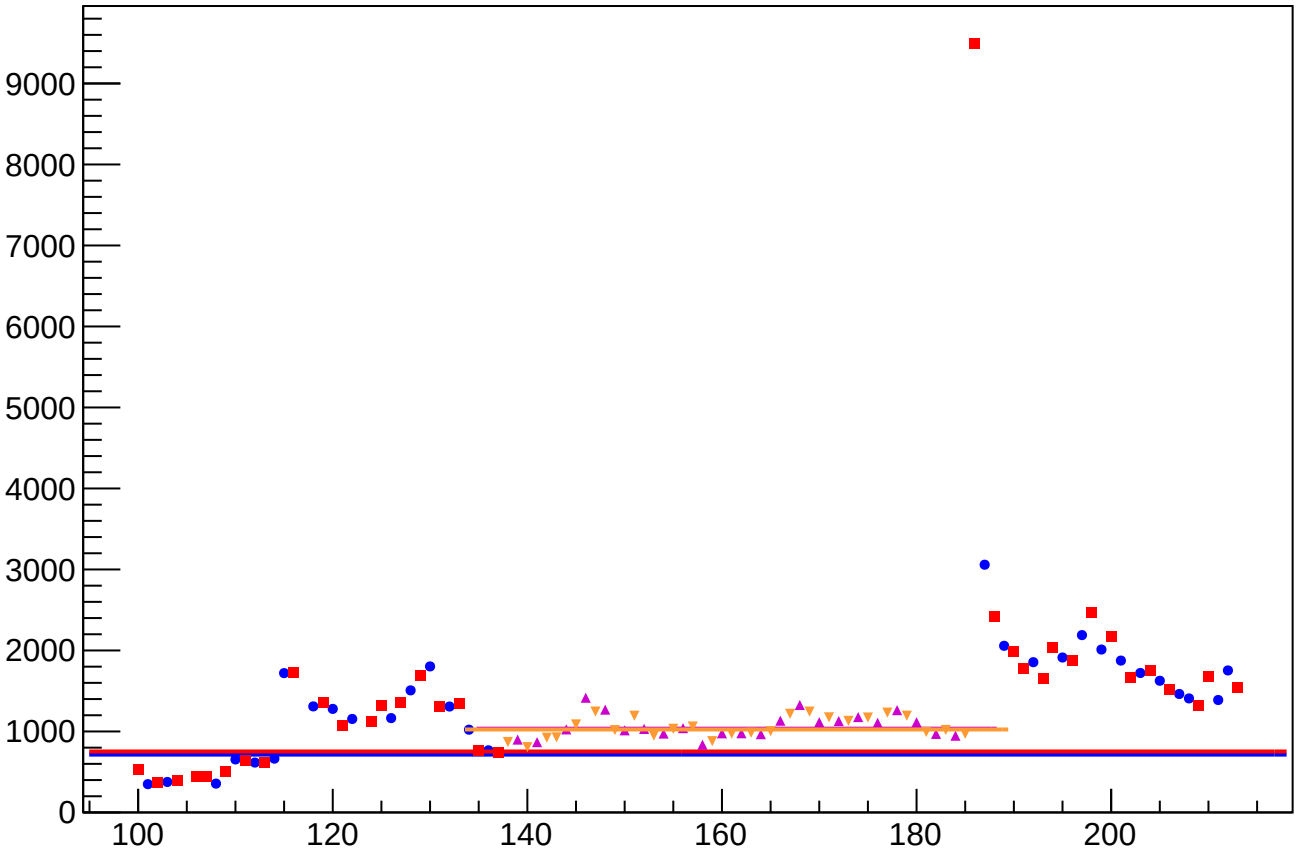
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 200.767+/-150.208 χ^2/NDF: 65.3/62

In: 258.678+/-160.180 χ^2/NDF:67.0/51

Out: 130.874+/-157.687 χ^2/NDF:66.0/58

All: 193.774+/-112.373 χ^2/NDF: 133.3/110



Right In: 714.299+/-0.150 χ^2/NDF: 11935179.4/28

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

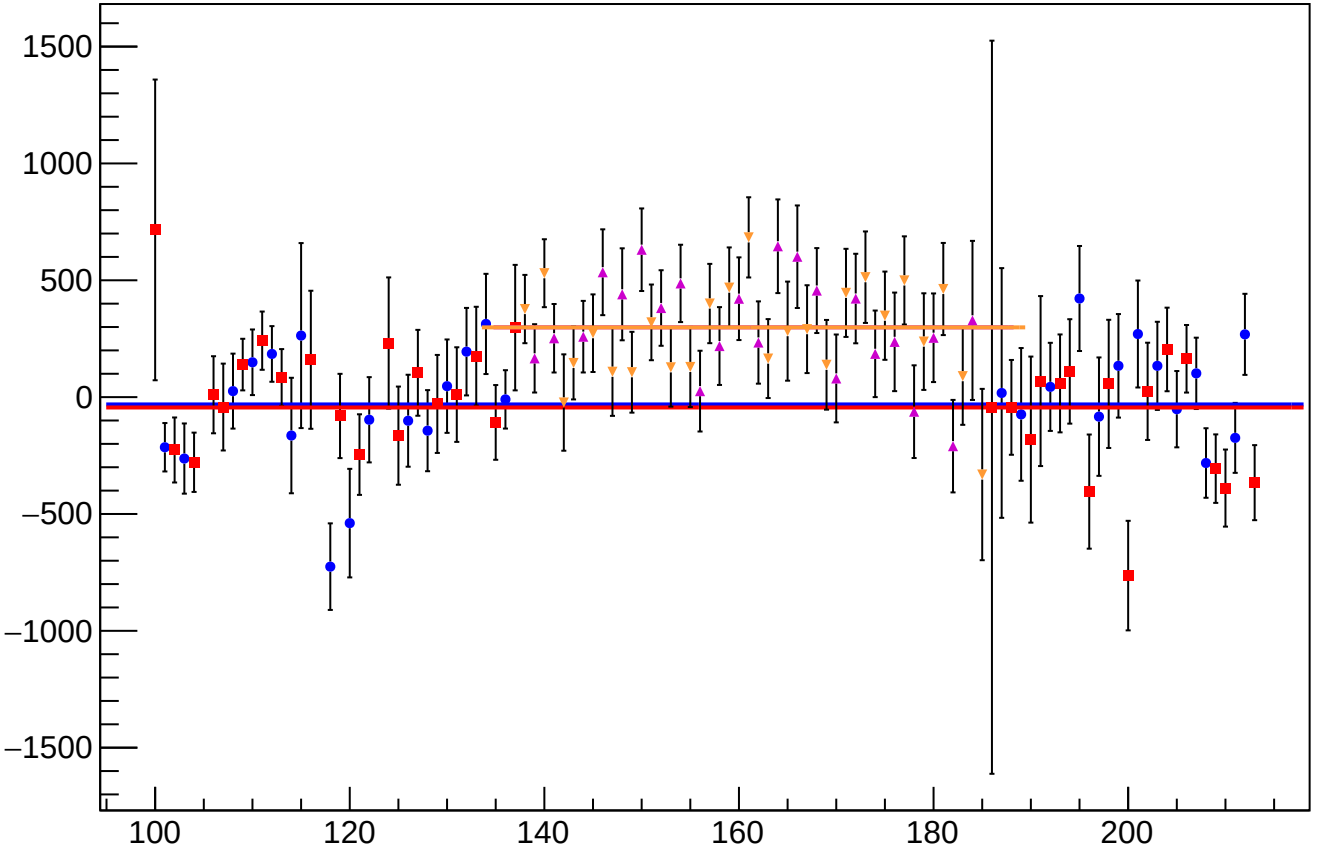
Right: 733.525+/-0.106 χ^2/NDF: 24597225.1/62

In: 852.085+/-0.113 χ^2/NDF:14522081.8/51

Out: 875.053+/-0.112 χ^2/NDF:14696059.6/58

All: 863.749+/-0.079 χ^2/NDF: 29239024.3/11

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -31.239+/-32.492 χ^2/NDF: 50.0/28

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

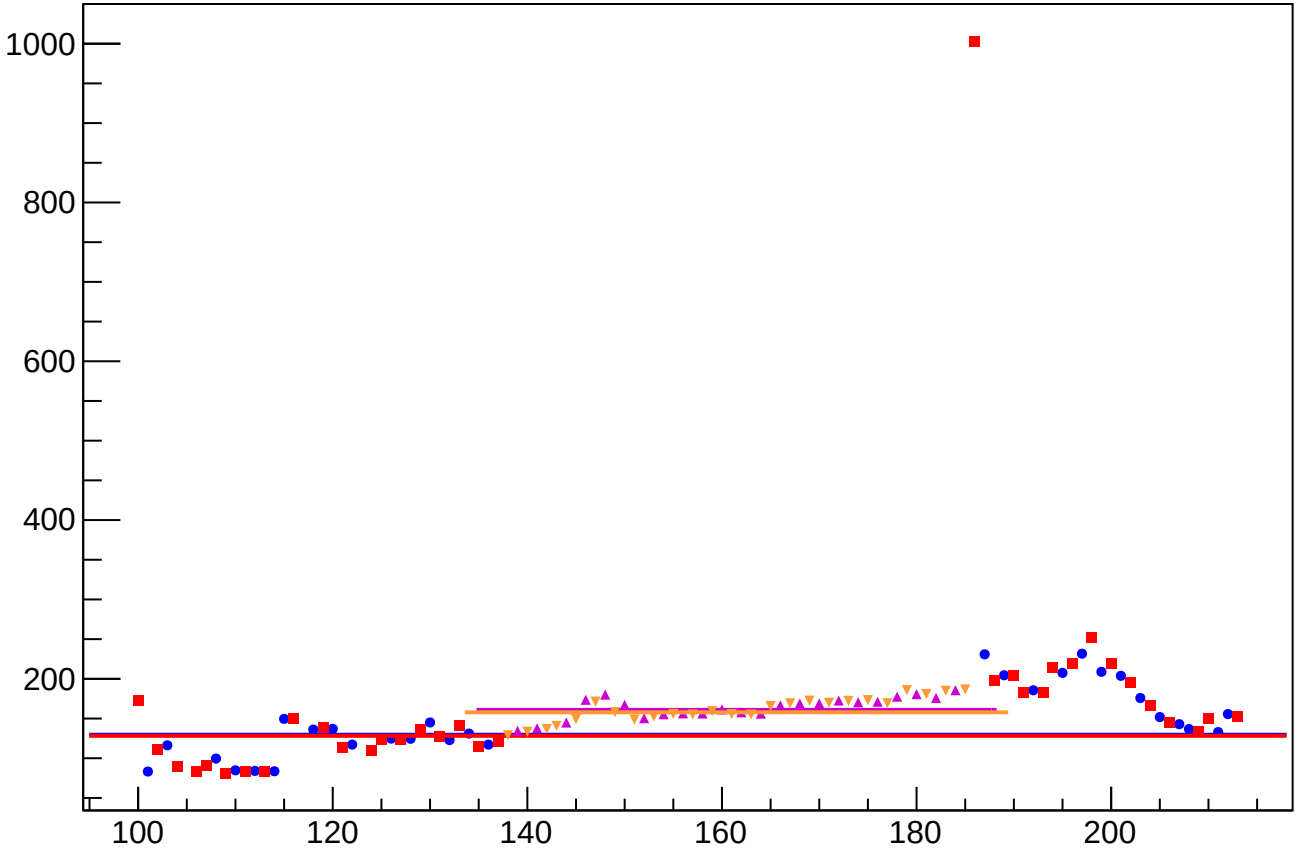
Right: -37.993+/-22.574 χ^2/NDF: 101.0/62

In: 109.261+/-24.620 χ^2/NDF:123.4/51

Out: 103.506+/-23.671 χ^2/NDF:128.3/58

All: 106.271+/-17.064 χ^2/NDF: 251.7/110

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 129.566+/-0.023 χ^2/NDF: 2750135.2/28

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

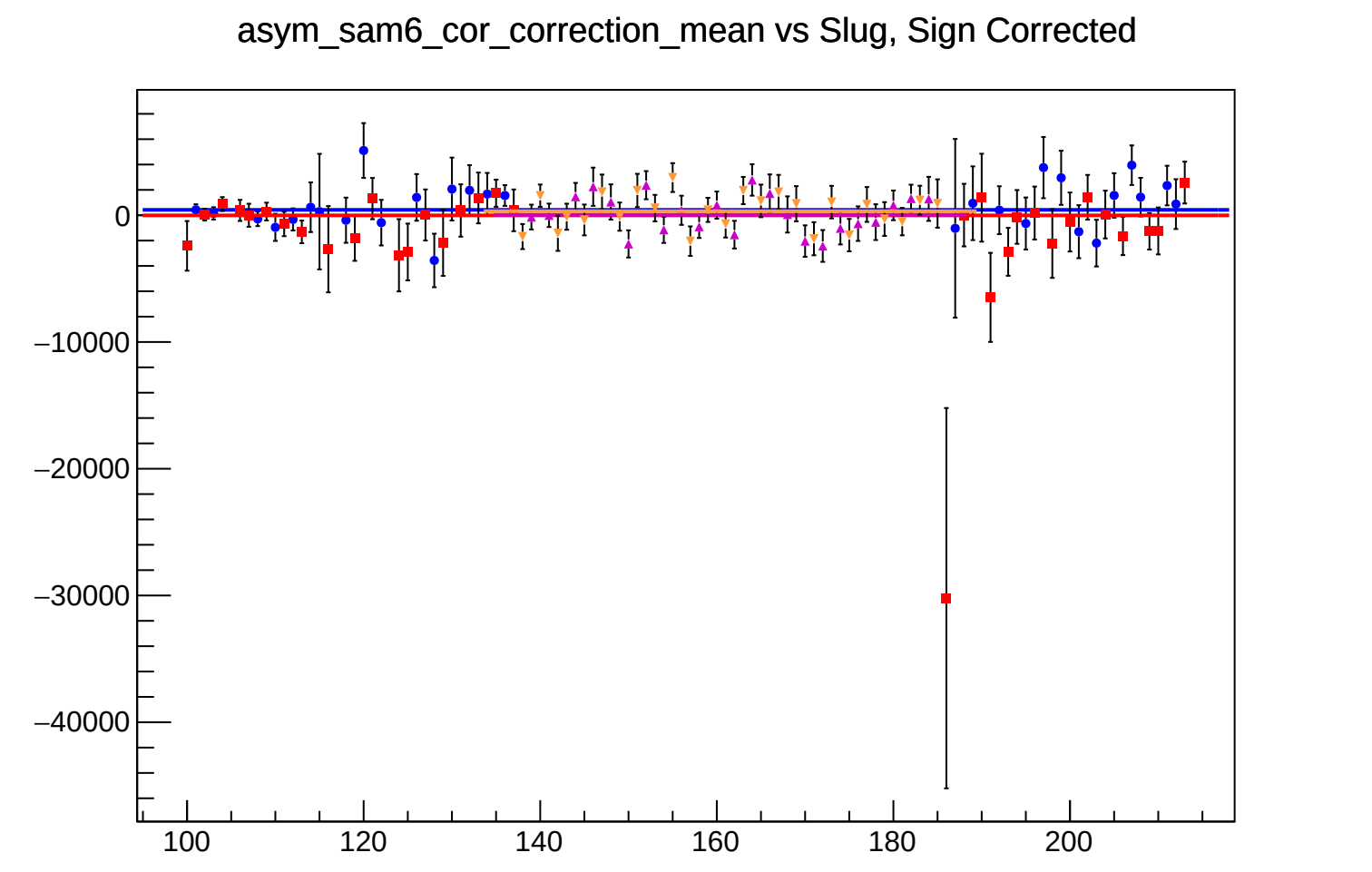
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 128.891+/-0.016 χ^2/NDF: 7010179.4/62

In: 142.899+/-0.017 χ^2/NDF:3809283.8/51

Out: 141.013+/-0.017 χ^2/NDF:5401233.4/58

All: 141.919+/-0.012 χ^2/NDF: 9216614.7/110



Right In: 424.639+/-212.235 χ^2/NDF: 30.8/28

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

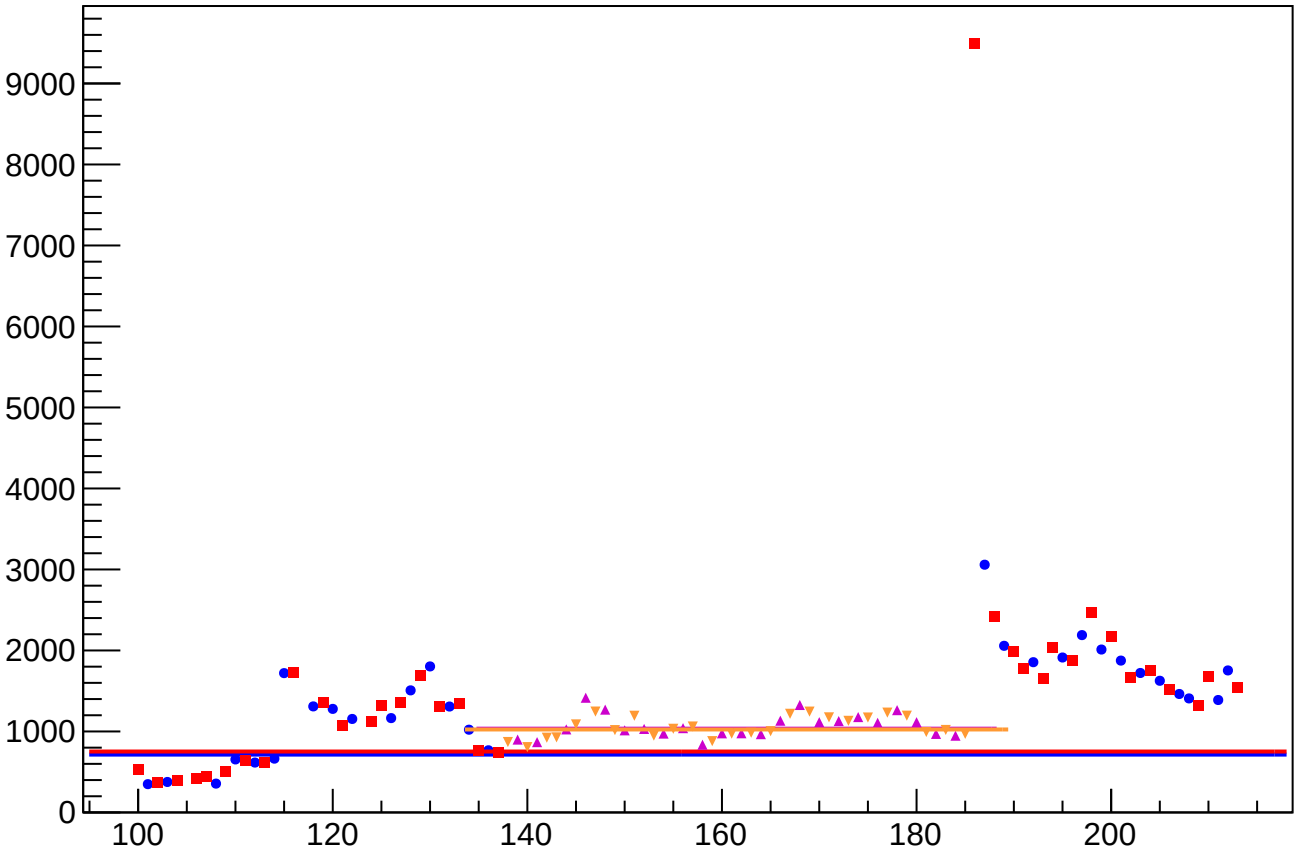
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 208.509+/-150.375 χ^2/NDF: 65.3/62

In: 258.746+/-160.178 χ^2/NDF:67.0/51

Out: 139.169+/-157.883 χ^2/NDF:66.1/58

All: 198.095+/-112.443 χ^2/NDF: 133.3/110



Right In: 714.271+/-0.150 χ^2/NDF: 11935743.4/28

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

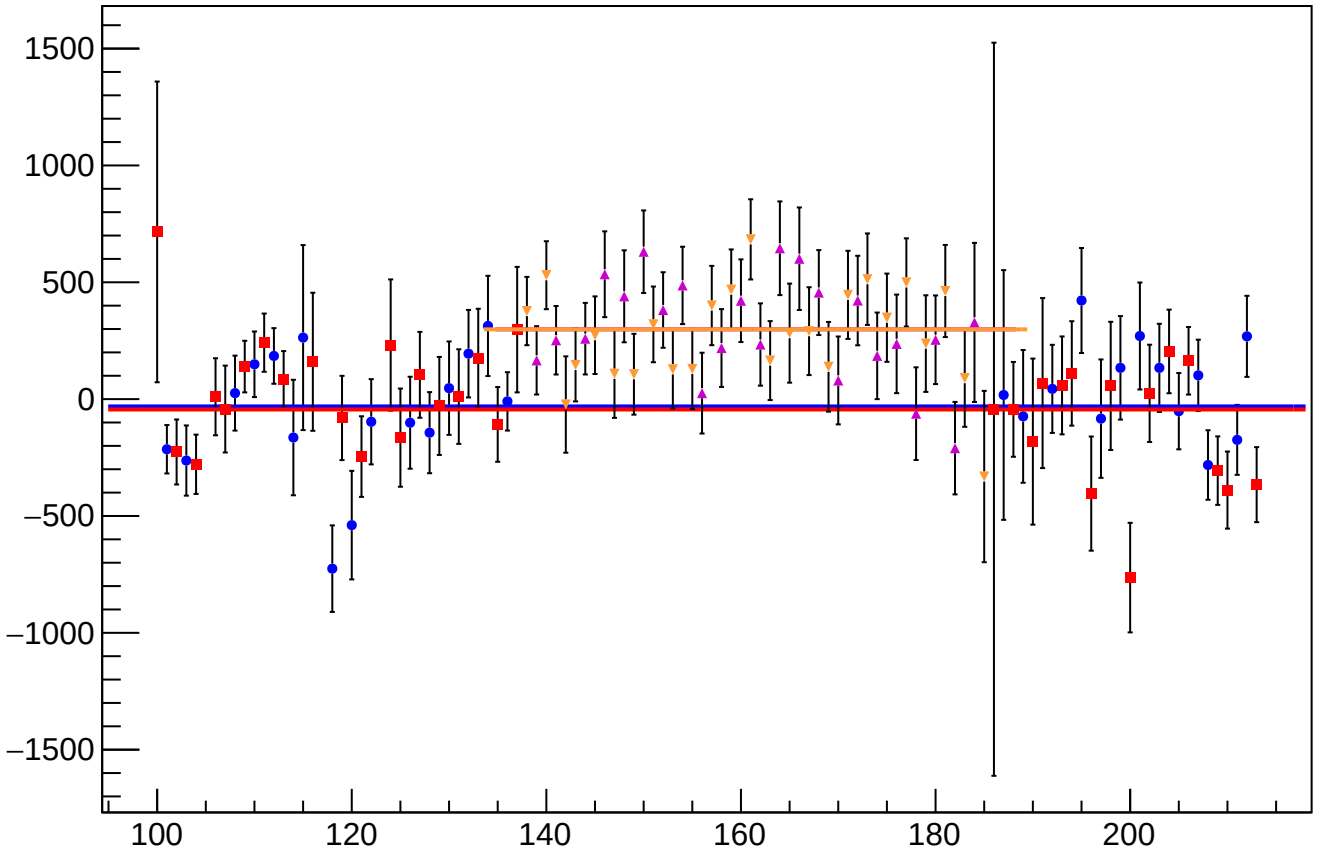
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 733.238+/-0.106 χ^2/NDF: 24631684.7/62

In: 852.066+/-0.113 χ^2/NDF:14523027.6/51

Out: 875.105+/-0.112 χ^2/NDF:14732735.9/58

All: 863.752+/-0.080 χ^2/NDF: 29276751.5/1



Right In: -31.239+/-32.492 χ^2/NDF: 50.0/28

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

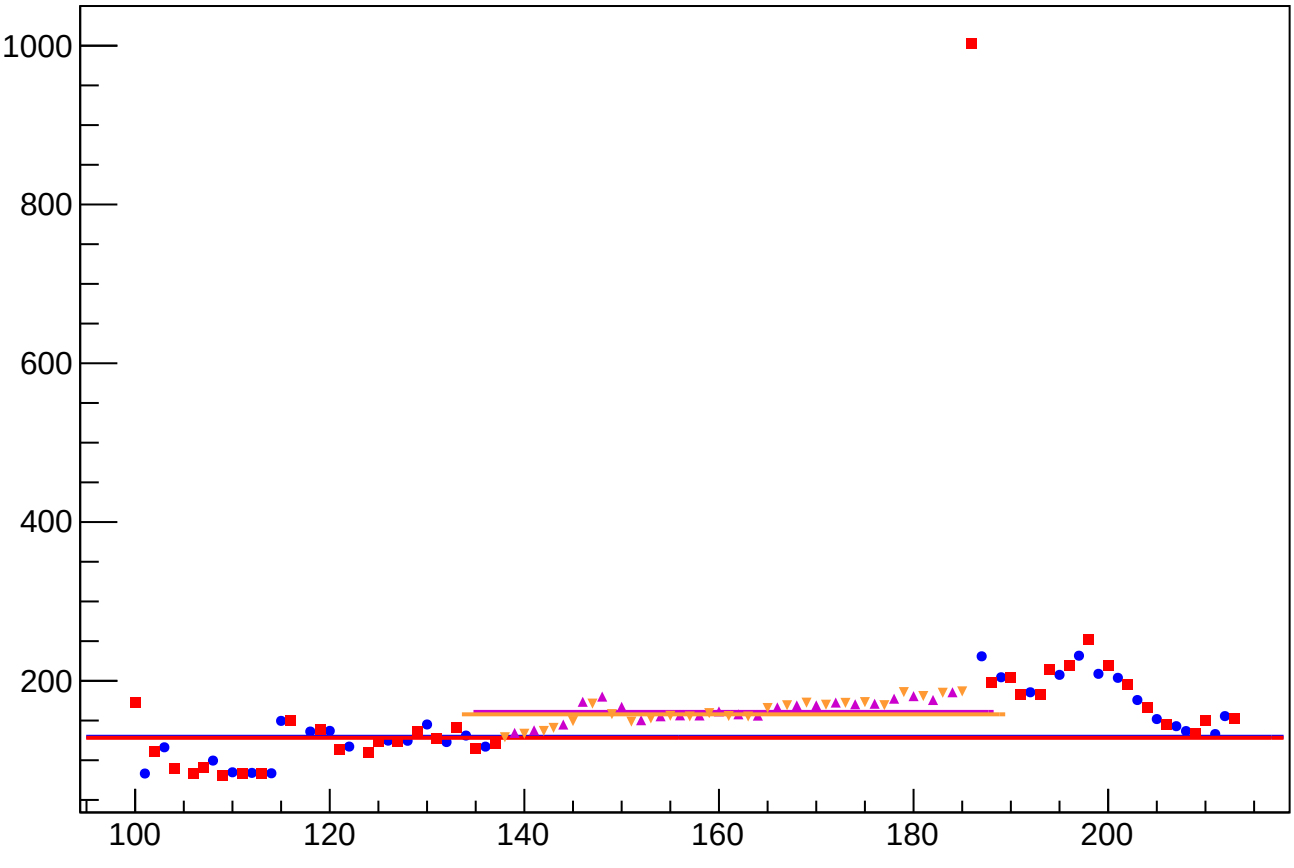
Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

Right: -37.993+/-22.574 χ^2/NDF: 101.0/62

In: 109.261+/-24.620 χ^2/NDF:123.4/51

Out: 103.506+/-23.671 χ^2/NDF:128.3/58

All: 106.271+/-17.064 χ^2/NDF: 251.7/110



Right In: 129.566+/-0.023 χ^2/NDF: 2750135.2/28

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

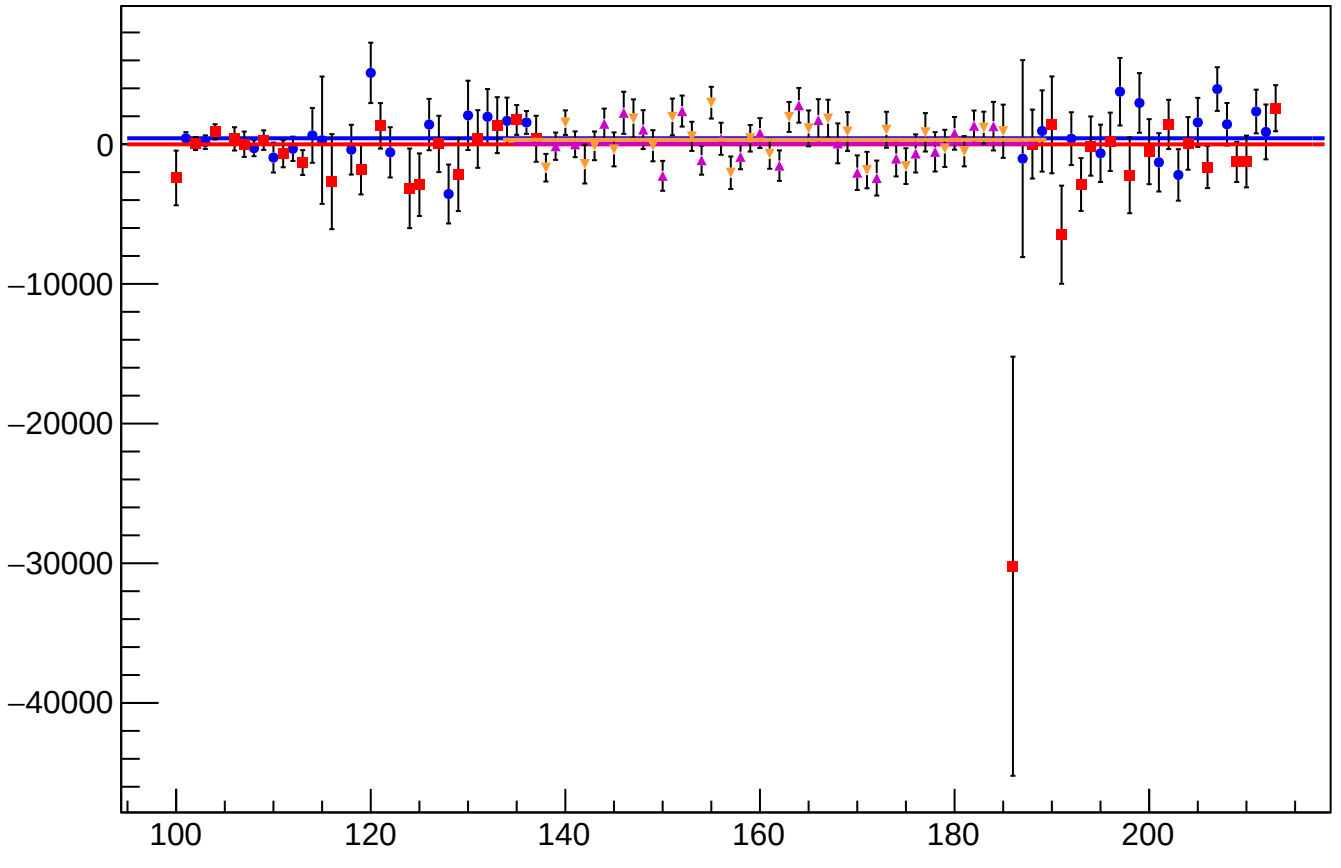
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 128.891+/-0.016 χ^2/NDF: 7010179.4/62

In: 142.899+/-0.017 χ^2/NDF:3809283.8/51

Out: 141.013+/-0.017 χ^2/NDF:5401233.4/58

All: 141.919+/-0.012 χ^2/NDF: 9216614.7/110



Right In: 424.639+/-212.235 χ^2/NDF: 30.8/28

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

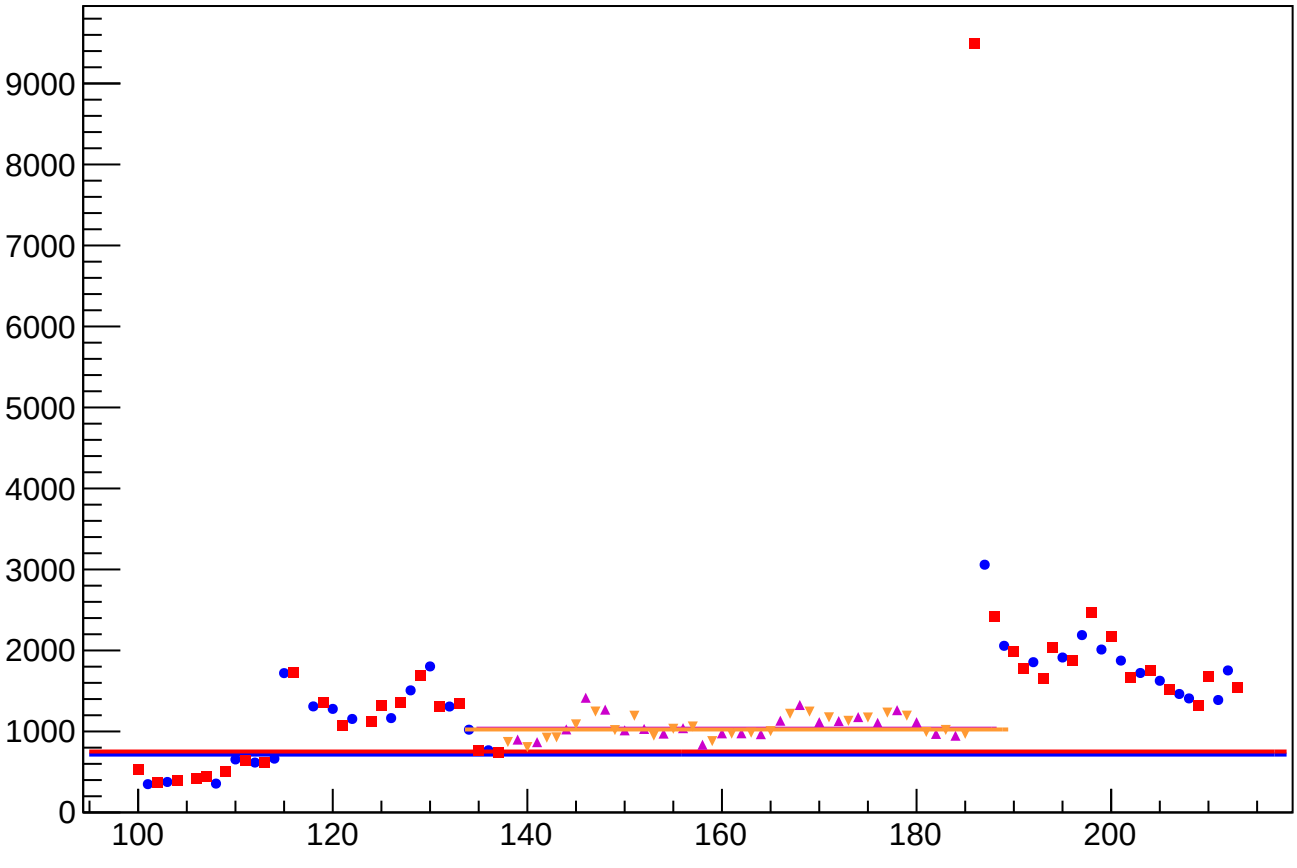
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 208.509+/-150.375 χ^2/NDF: 65.3/62

In: 258.746+/-160.178 χ^2/NDF:67.0/51

Out: 139.169+/-157.883 χ^2/NDF:66.1/58

All: 198.095+/-112.443 χ^2/NDF: 133.3/110



Right In: 714.271+/-0.150 χ^2/NDF: 11935743.4/28

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

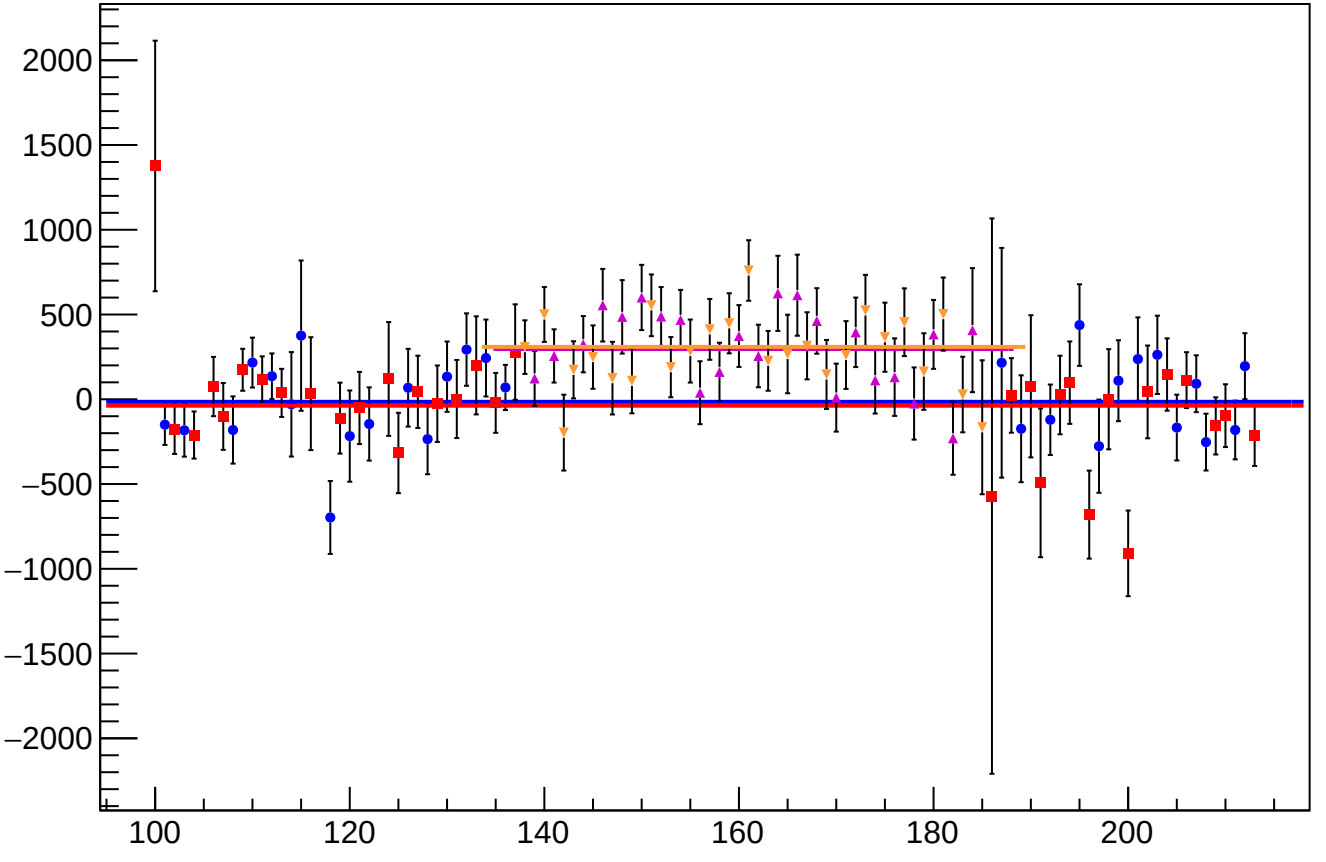
Right: 733.238+/-0.106 χ^2/NDF: 24631684.7/62

In: 852.066+/-0.113 χ^2/NDF:14523027.6/51

Out: 875.105+/-0.112 χ^2/NDF:14732735.9/58

All: 863.752+/-0.080 χ^2/NDF: 29276751.5/1

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -14.936+/-36.496 χ^2/NDF: 37.2/28

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

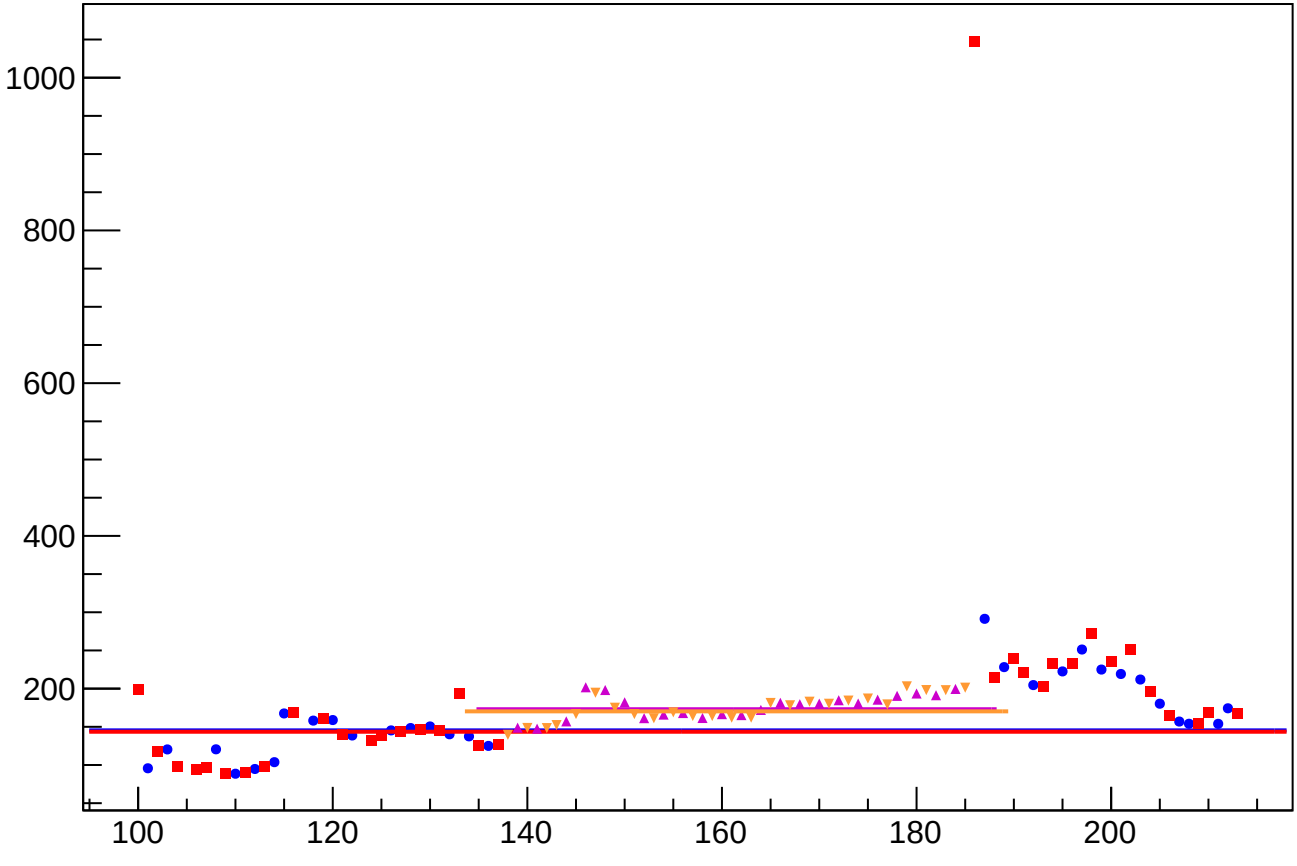
Right: -26.782+/-25.357 χ^2/NDF: 75.5/62

In: 124.224+/-27.144 χ^2/NDF:97.5/51

Out: 118.590+/-26.123 χ^2/NDF:107.3/58

All: 121.299+/-18.822 χ^2/NDF: 204.9/110

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 145.360+/-0.026 χ^2/NDF: 2711619.6/28

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

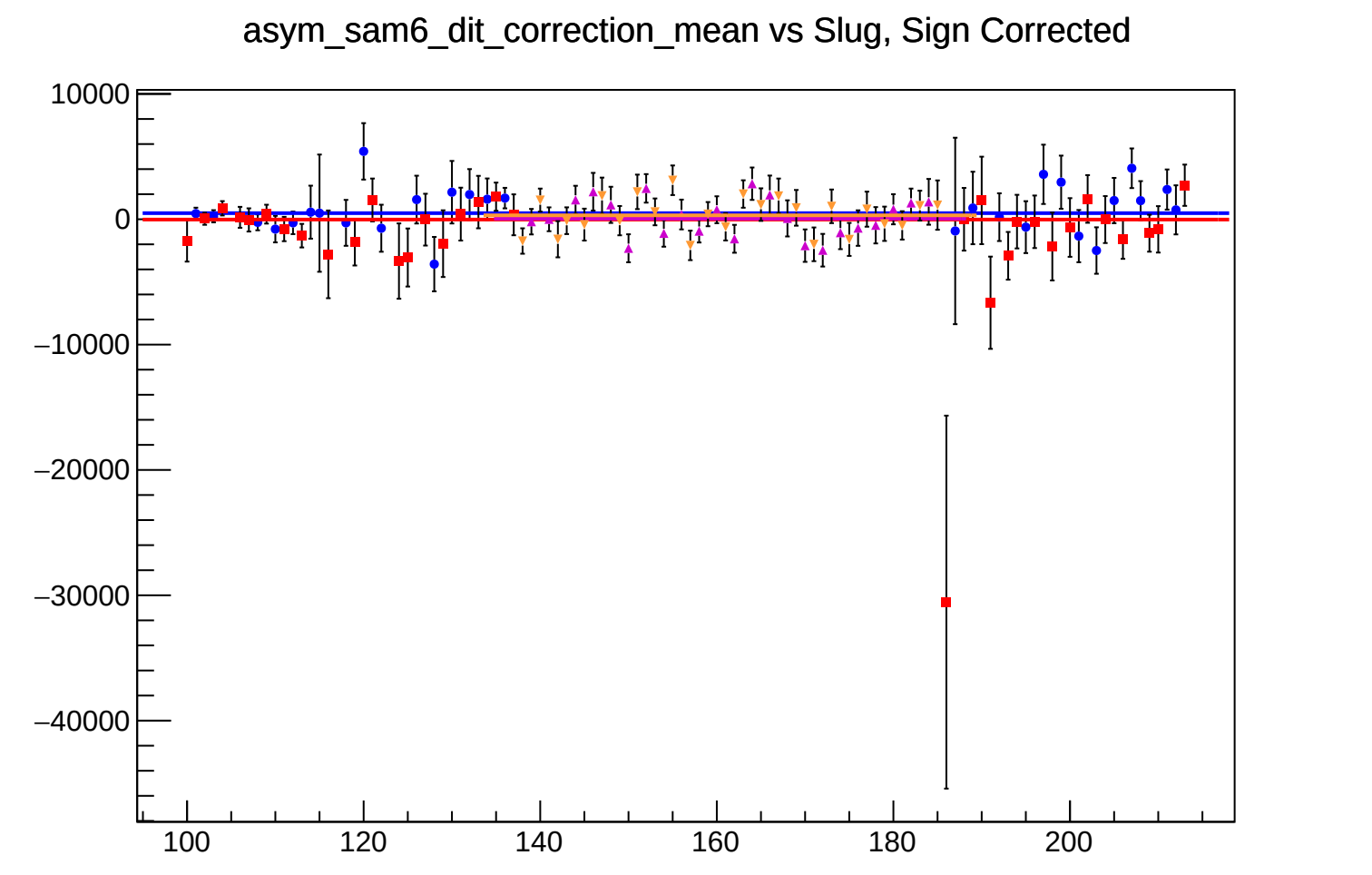
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 144.428+/-0.018 χ^2/NDF: 7135559.7/62

In: 157.721+/-0.019 χ^2/NDF:3518772.1/51

Out: 155.591+/-0.018 χ^2/NDF:5304353.4/58

All: 156.615+/-0.013 χ^2/NDF: 8829524.1/110



Right In: 486.931+/-220.972 χ^2/NDF: 30.7/28

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

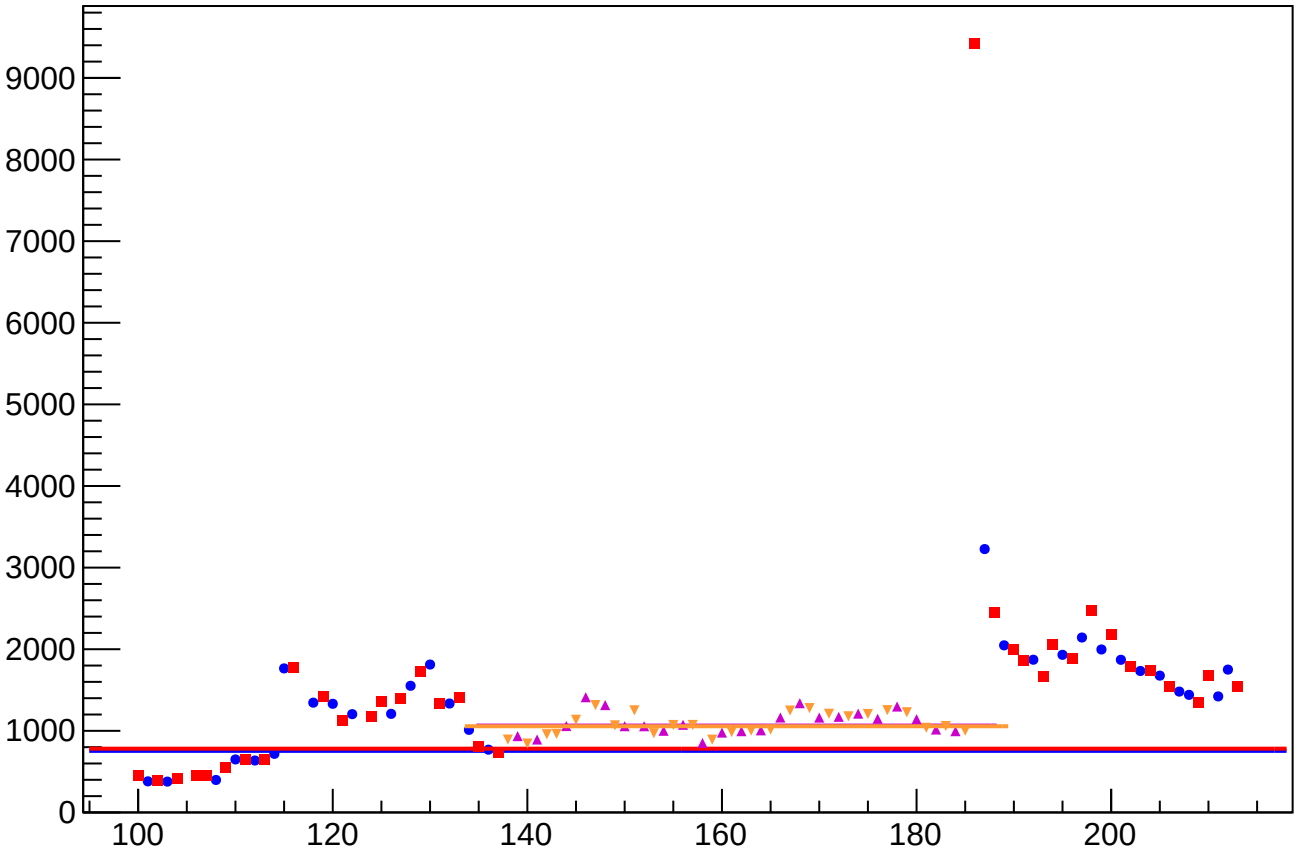
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 229.940+/-155.725 χ^2/NDF: 64.7/62

In: 295.160+/-165.929 χ^2/NDF:66.8/51

Out: 128.323+/-162.703 χ^2/NDF:65.4/58

All: 210.103+/-116.172 χ^2/NDF: 132.7/110



Right In: 754.667+/-0.156 χ^2/NDF: 11301982.6/28

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

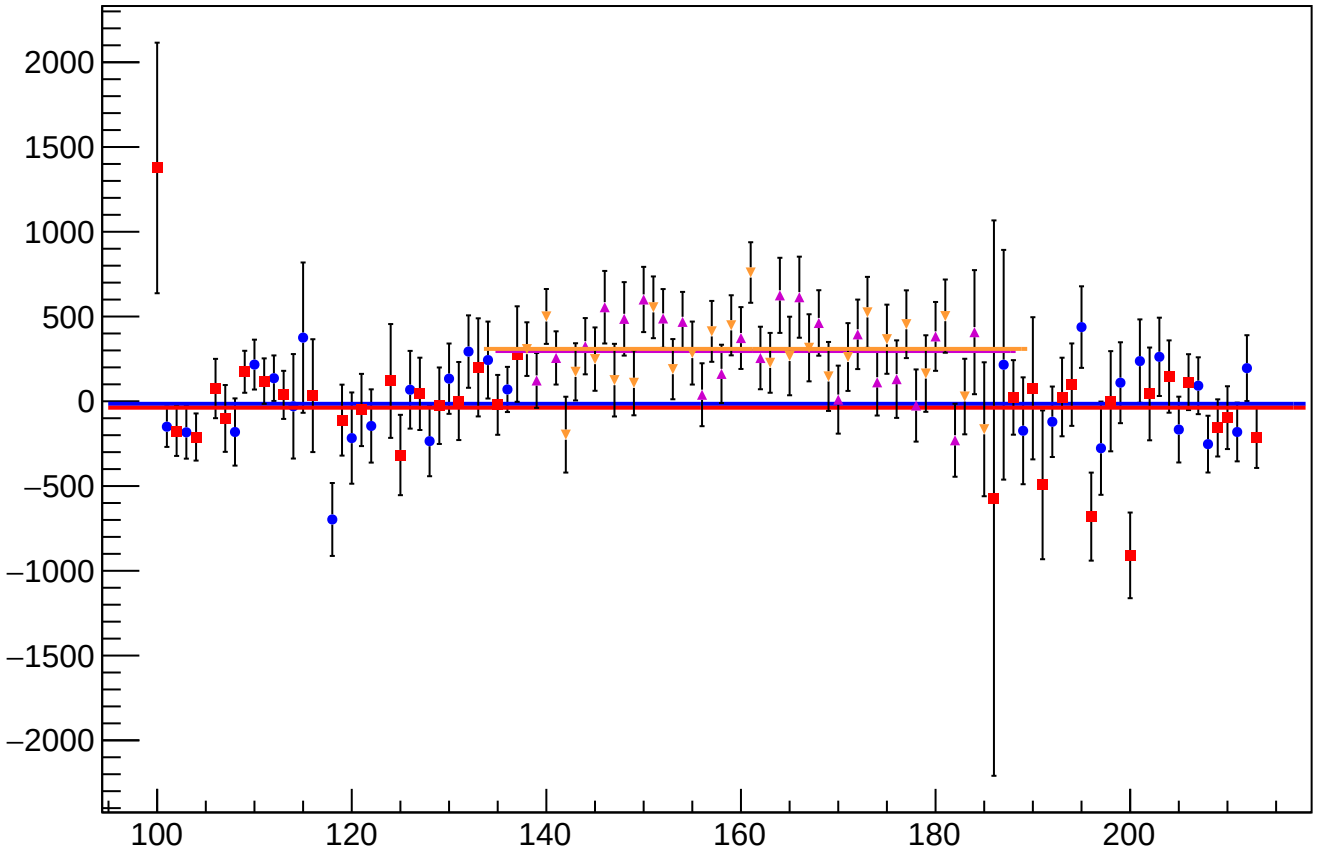
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 768.222+/-0.110 χ^2/NDF: 23710991.8/62

In: 889.881+/-0.117 χ^2/NDF:13630057.5/51

Out: 905.369+/-0.115 χ^2/NDF:14416412.3/58

All: 897.777+/-0.082 χ^2/NDF: 28055353.6/1



Right In: -14.938+/-36.496 χ^2/NDF: 37.2/28

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

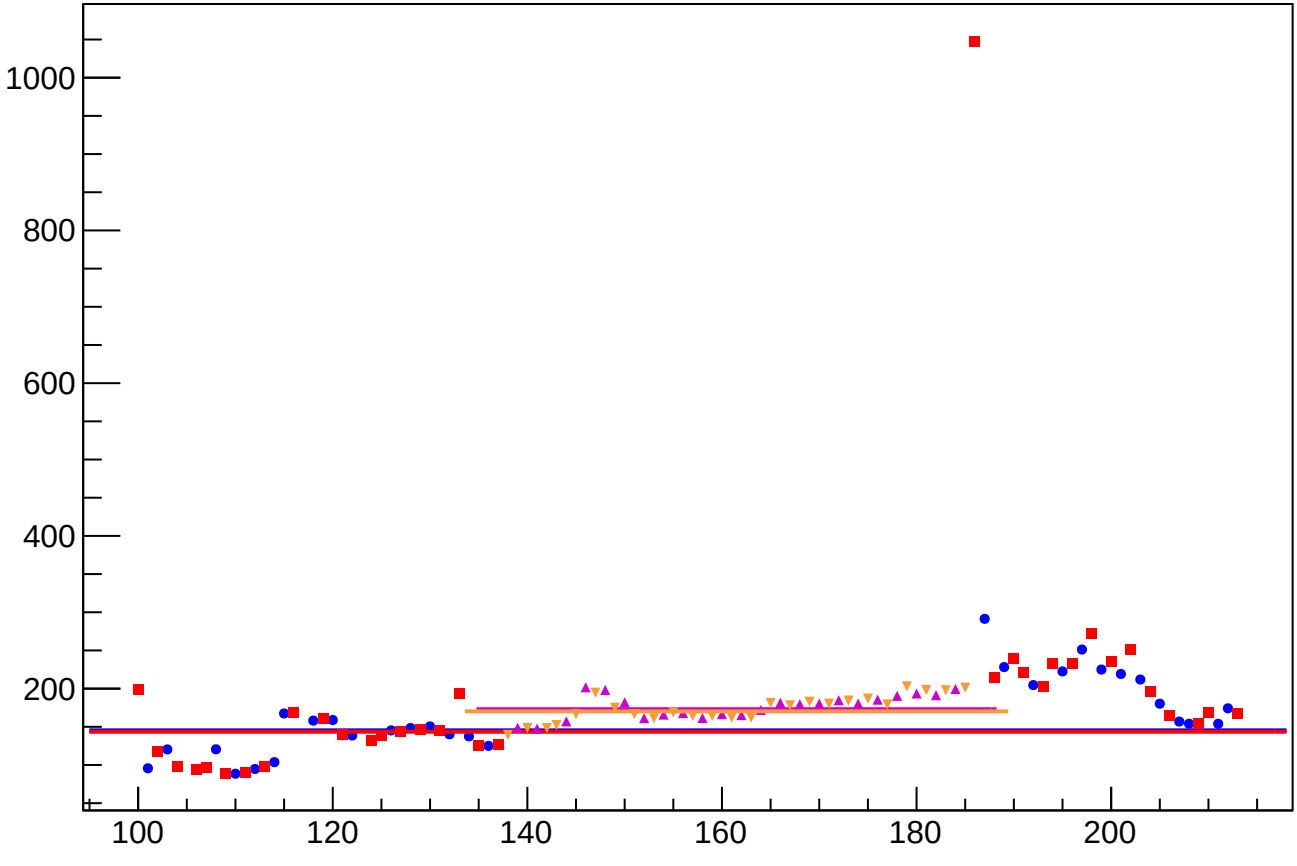
Right: -26.782+/-25.357 χ^2/NDF: 75.5/62

In: 124.224+/-27.144 χ^2/NDF:97.5/51

Out: 118.591+/-26.123 χ^2/NDF:107.3/58

All: 121.300+/-18.822 χ^2/NDF: 204.9/110

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 145.360+/-0.026 χ^2/NDF: 2711638.6/28

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

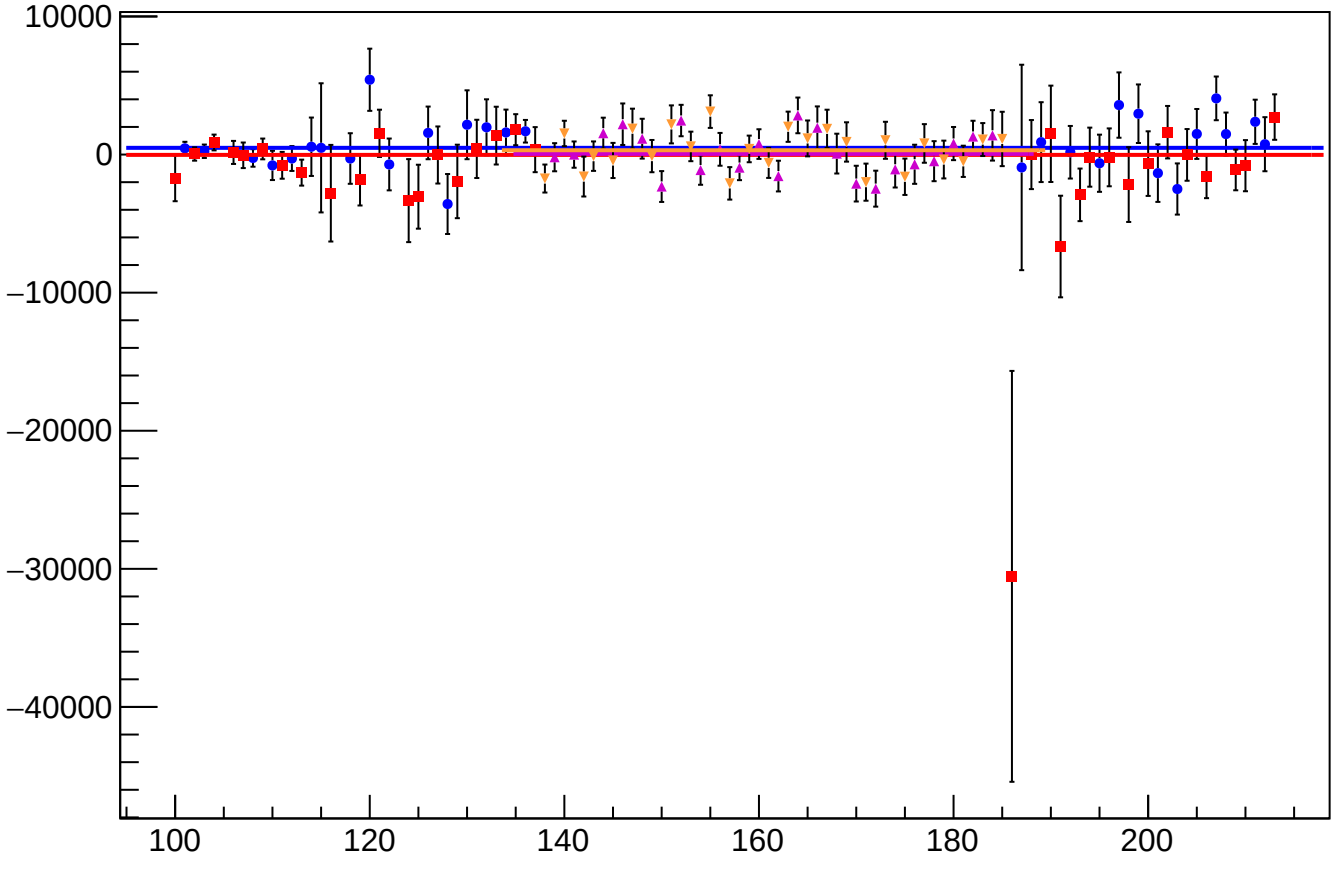
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 144.427+/-0.018 χ^2/NDF: 7135585.6/62

In: 157.721+/-0.019 χ^2/NDF:3518795.4/51

Out: 155.590+/-0.018 χ^2/NDF:5304363.1/58

All: 156.615+/-0.013 χ^2/NDF: 8829557.1/110



Right In: 486.930+/-220.972 χ^2/NDF: 30.7/28

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

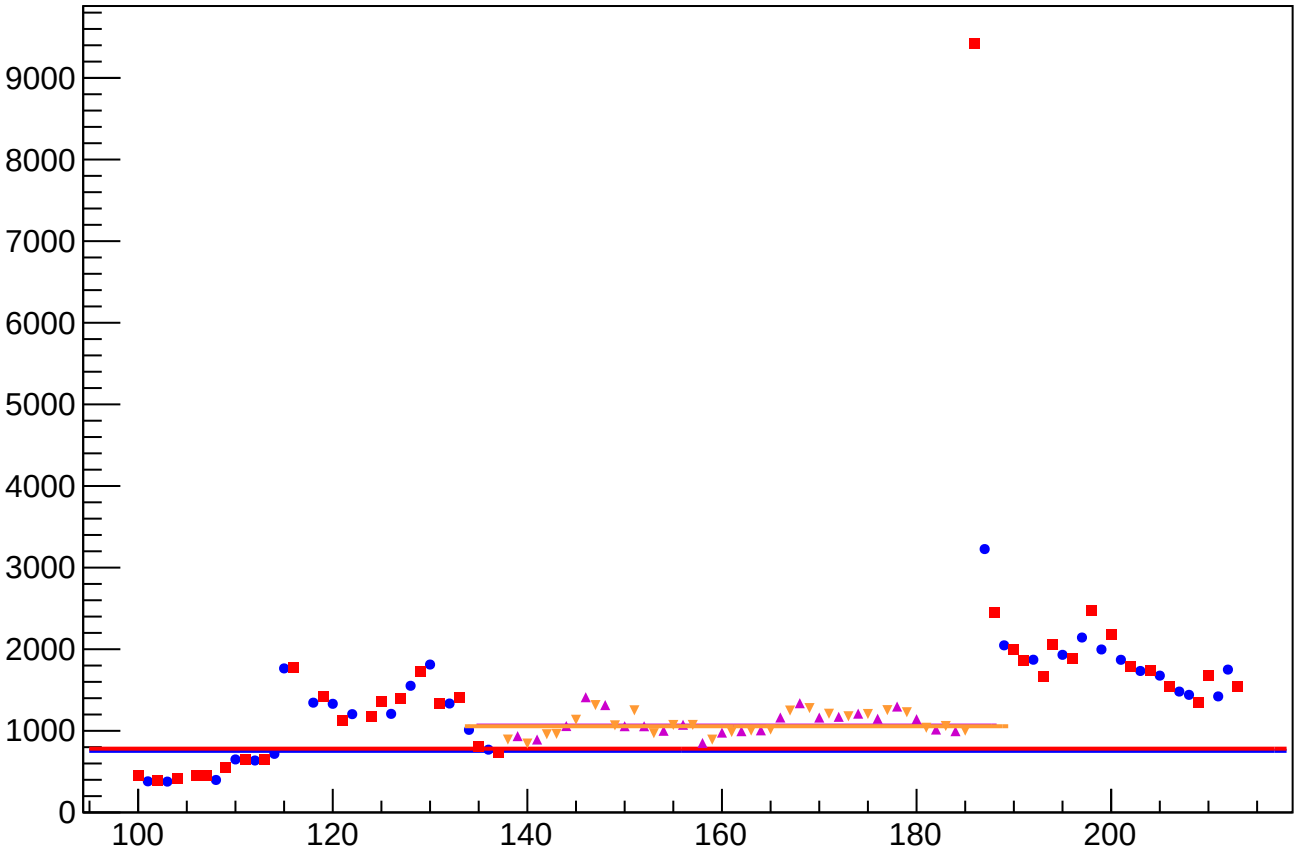
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 229.940+/-155.725 χ^2/NDF: 64.7/62

In: 295.159+/-165.929 χ^2/NDF:66.8/51

Out: 128.323+/-162.703 χ^2/NDF:65.4/58

All: 210.104+/-116.172 χ^2/NDF: 132.7/110



Right In: 754.666+/-0.156 χ^2/NDF: 11301997.1/28

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

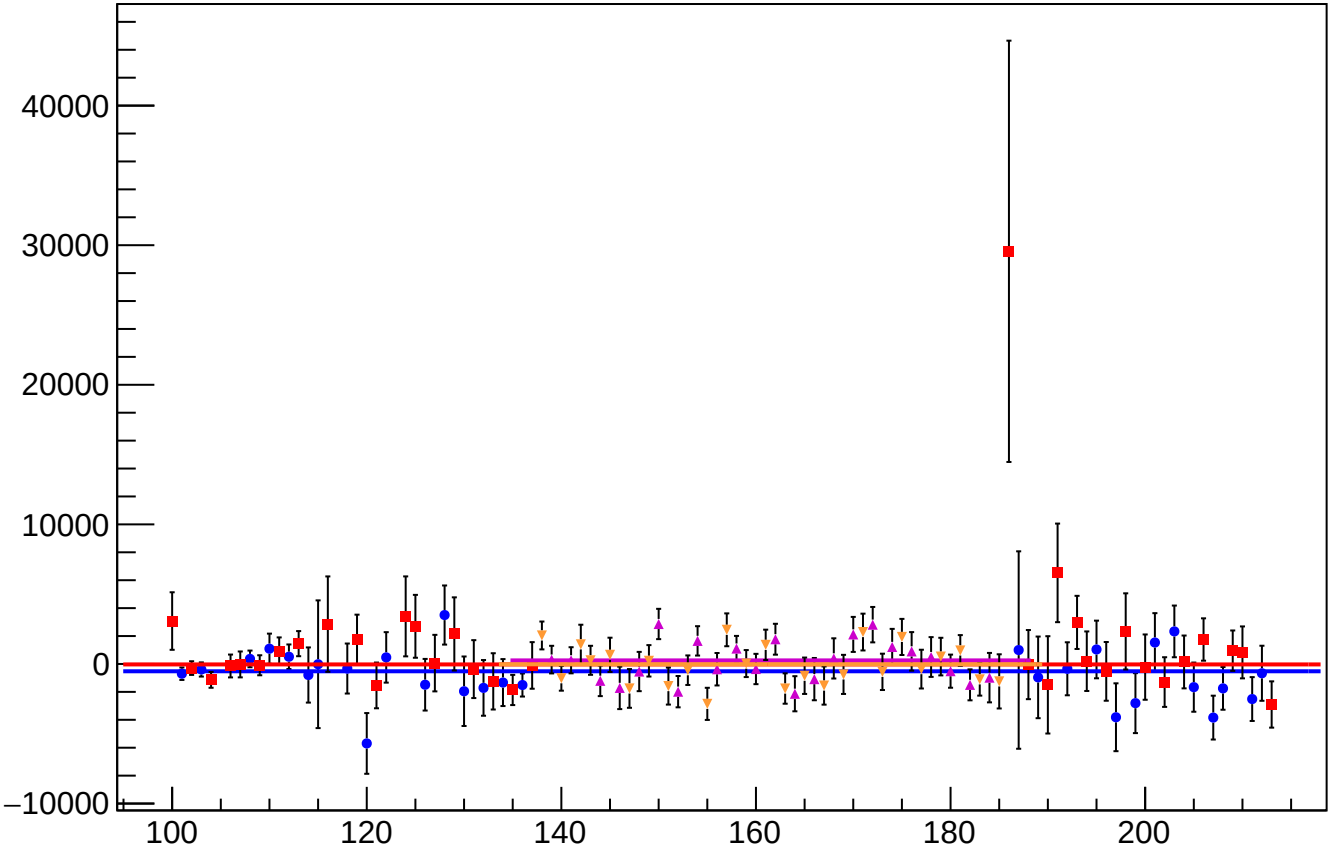
Right: 768.221+/-0.110 χ^2/NDF: 23711011.1/62

In: 889.880+/-0.117 χ^2/NDF:13630087.5/51

Out: 905.369+/-0.115 χ^2/NDF:14416431.3/58

All: 897.776+/-0.082 χ^2/NDF: 28055402.9/1

asym_sam6_mean vs Slug, Sign Corrected



Right In: -524.021+/-217.728 χ^2/NDF: 32.4/28

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

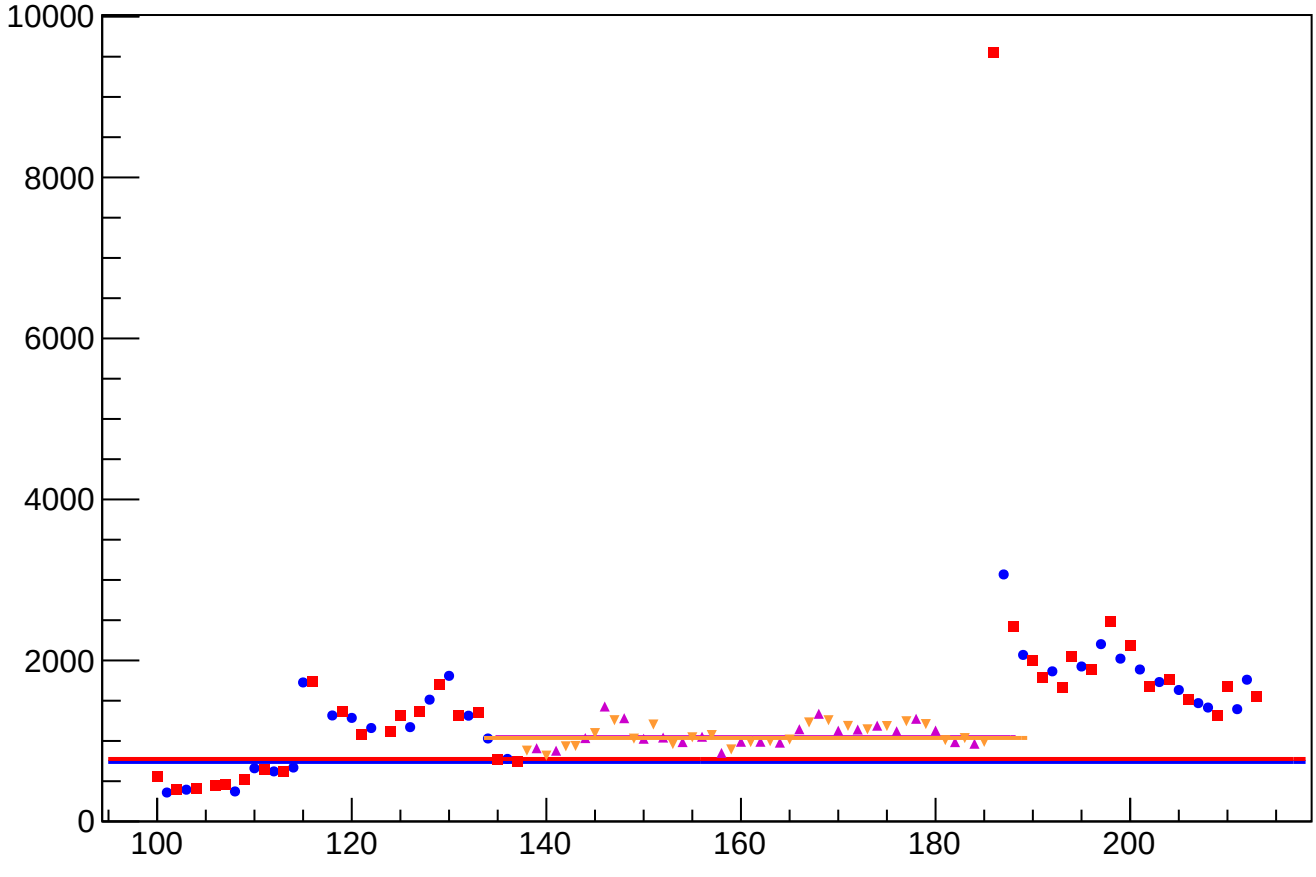
Right: -278.153+/-153.860 χ^2/NDF: 70.8/62

In: -183.524+/-163.389 χ^2/NDF:71.5/51

Out: -27.878+/-160.528 χ^2/NDF:70.4/58

All: -104.326+/-114.509 χ^2/NDF: 142.4/110

asym_sam6_rms vs Slug, Sign Corrected



Right In: 739.608+/-0.154 χ^2/NDF: 11506268.9/28

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

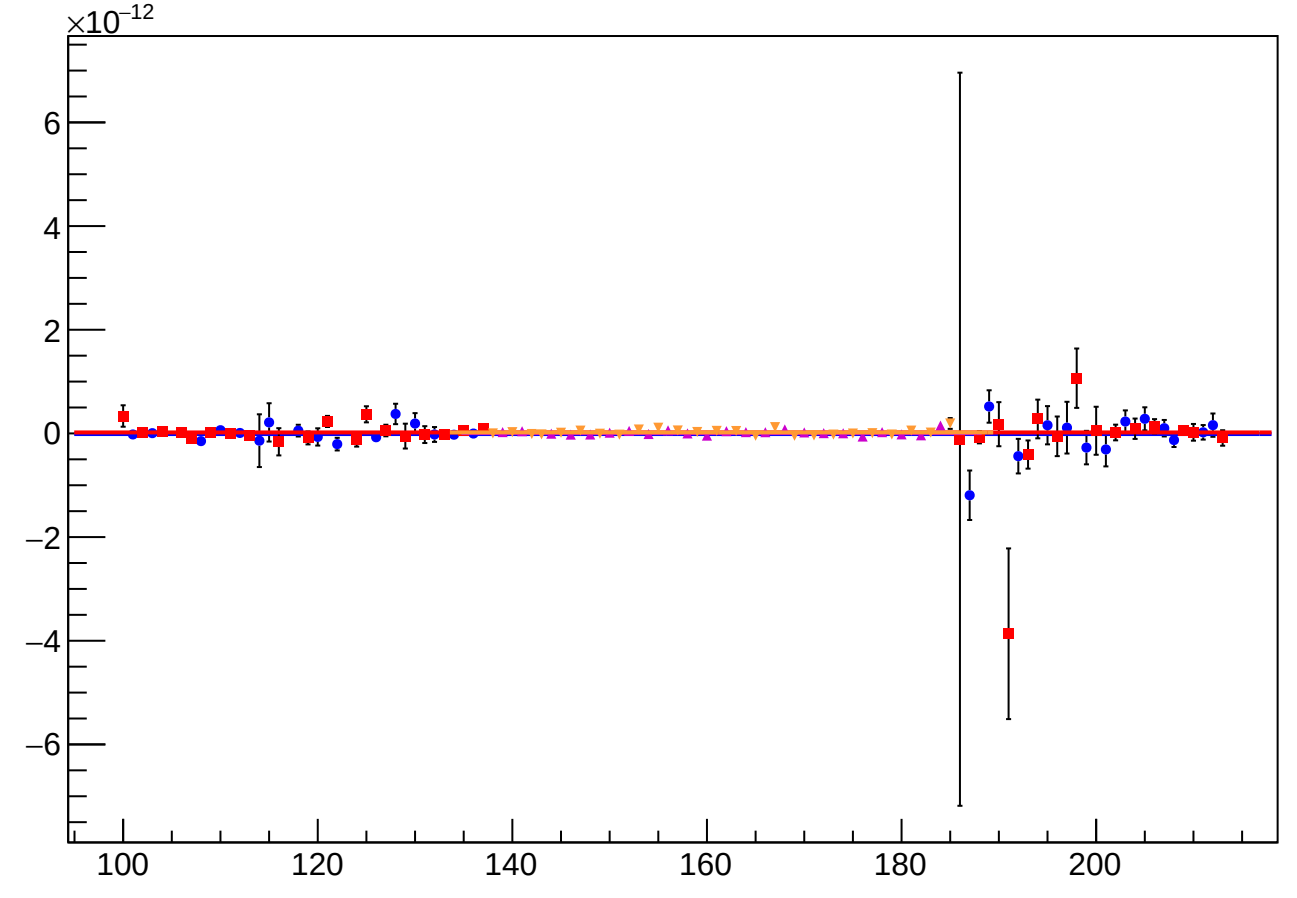
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 757.905+/-0.109 χ^2/NDF: 23773328.9/62

In: 874.170+/-0.116 χ^2/NDF:13868273.8/51

Out: 894.998+/-0.114 χ^2/NDF:14137118.7/58

All: 884.768+/-0.081 χ^2/NDF: 28021929.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 33.2/28

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

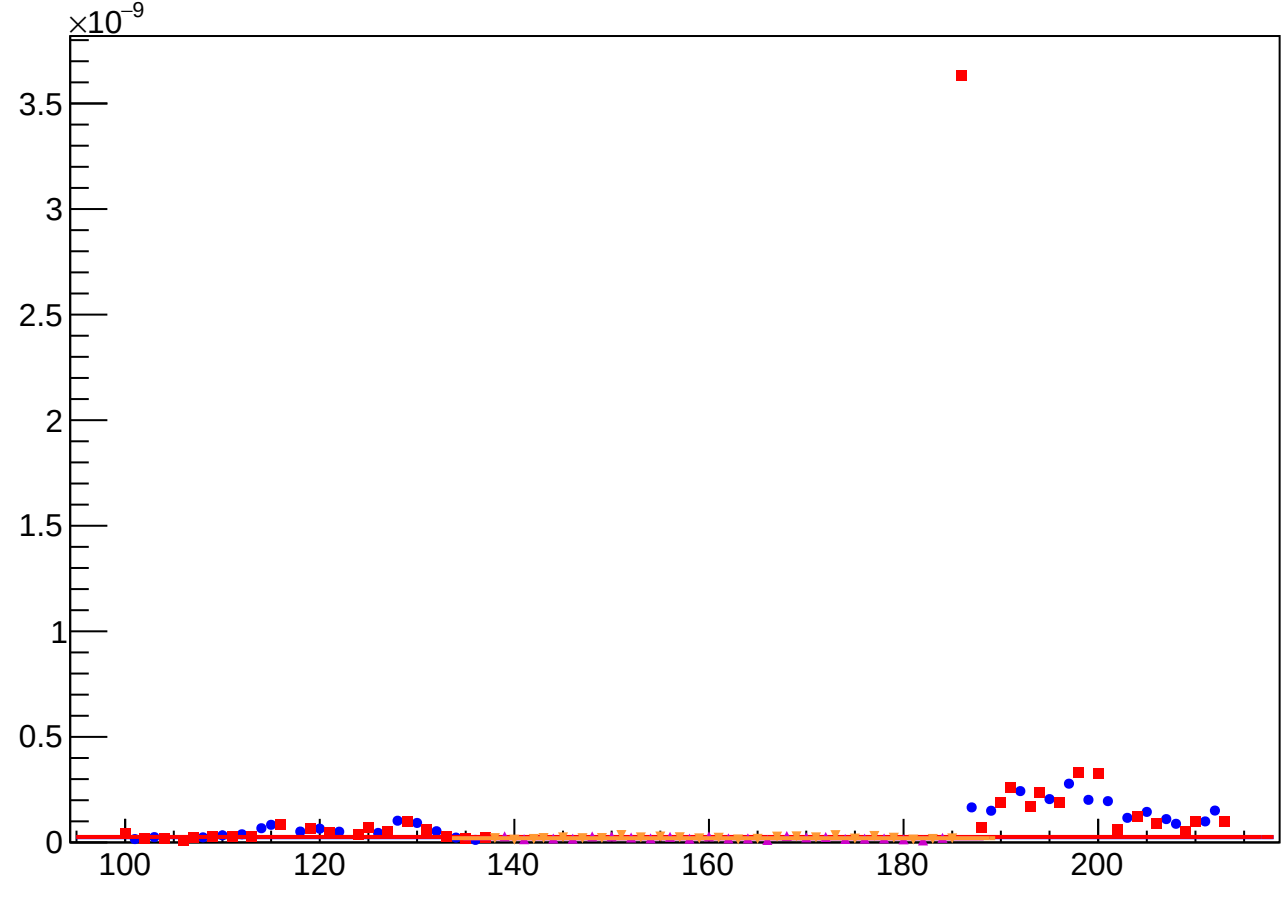
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 70.1/62

In: 0.000+/-0.000 χ^2/NDF:53.4/51

Out: 0.000+/-0.000 χ^2/NDF:64.0/58

All: 0.000+/-0.000 χ^2/NDF: 121.1/110



Right In: 0.000+/-0.000 χ^2/NDF: 8928221.4/28

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

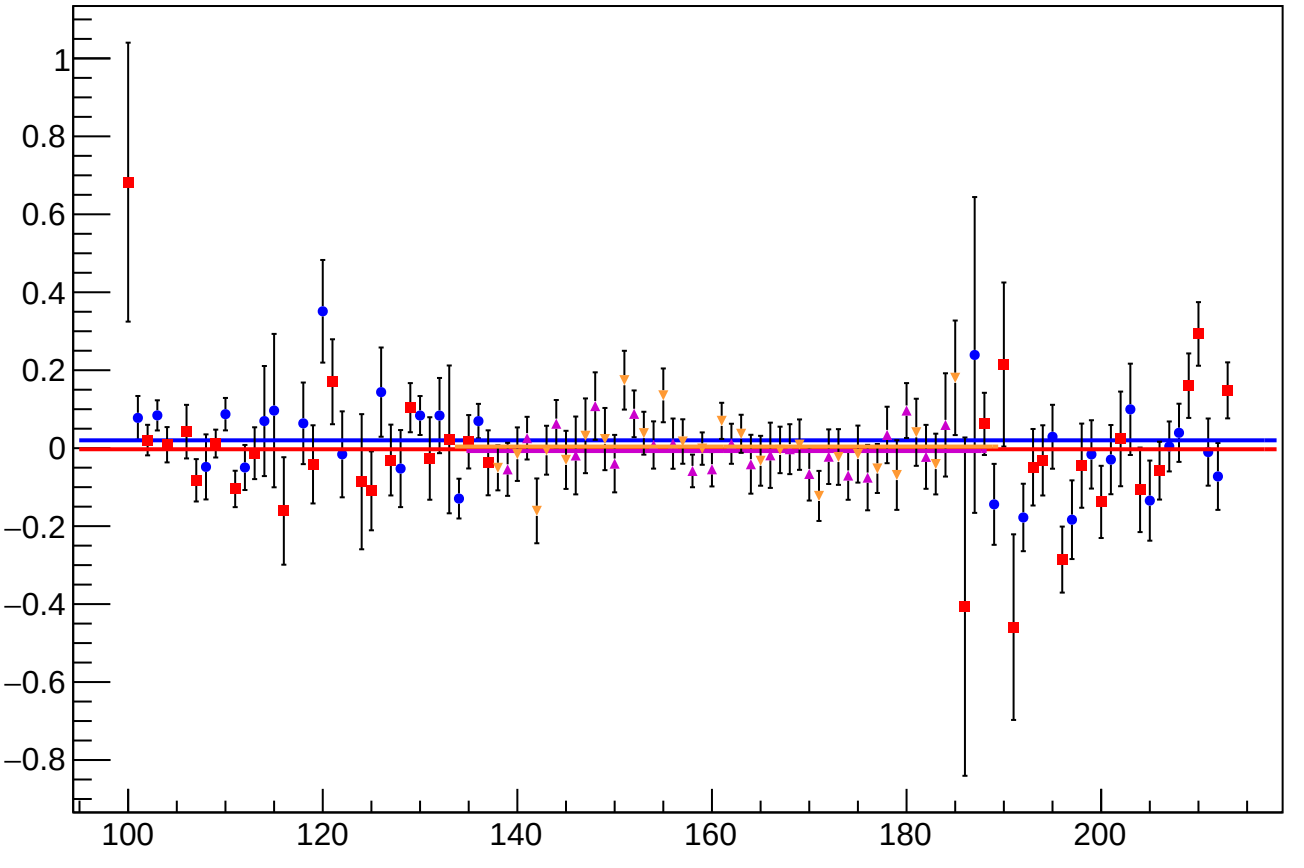
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 17282978.2/62

In: 0.000+/-0.000 χ^2/NDF:10260572.6/51

Out: 0.000+/-0.000 χ^2/NDF:9640674.2/58

All: 0.000+/-0.000 χ^2/NDF: 19921005.7/110



Right In: 0.020+/-0.013 χ^2/NDF: 45.7/28

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

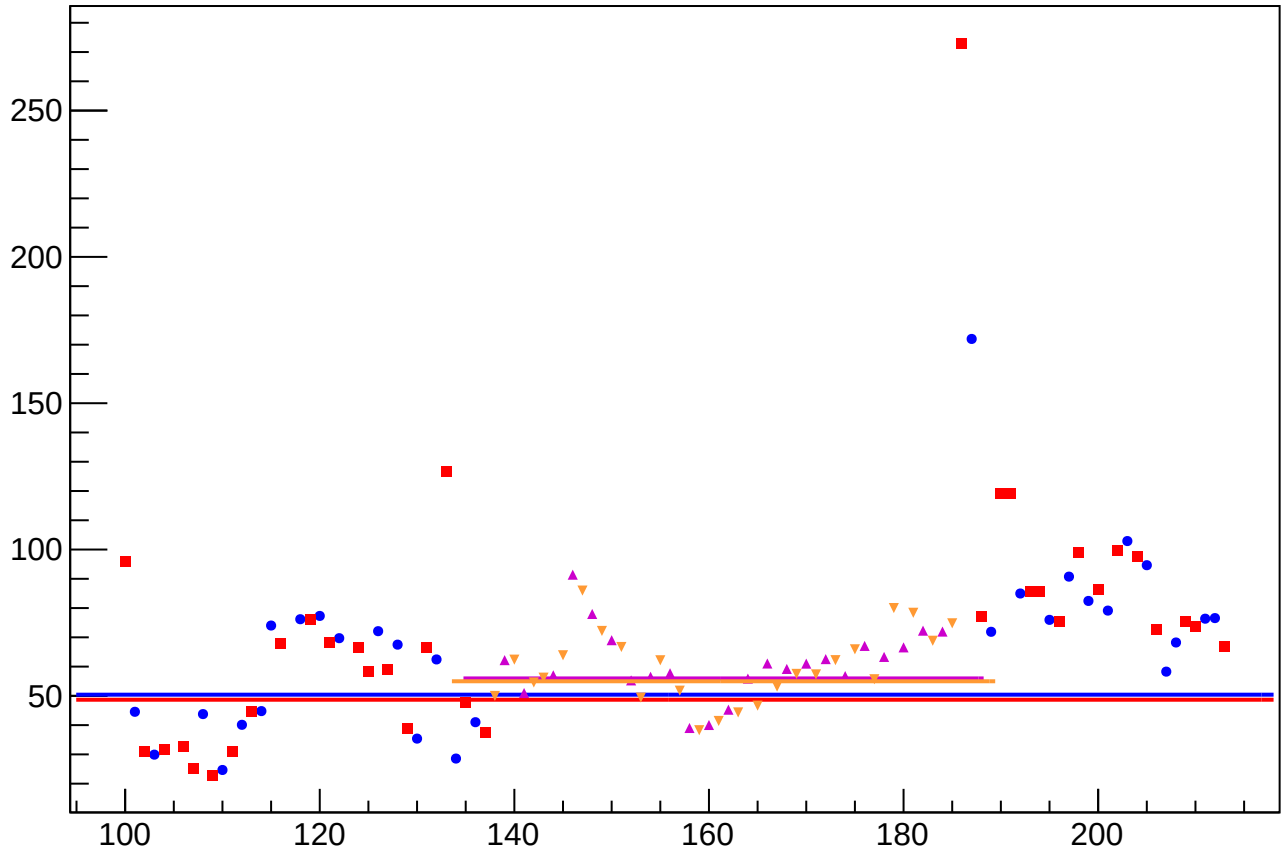
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.008+/-0.009 χ^2/NDF: 110.5/62

In: 0.006+/-0.010 χ^2/NDF:62.8/51

Out: 0.001+/-0.009 χ^2/NDF:88.2/58

All: 0.003+/-0.007 χ^2/NDF: 151.2/110



Right In: 50.402+/-0.010 χ^2/NDF: 5380967.9/28

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

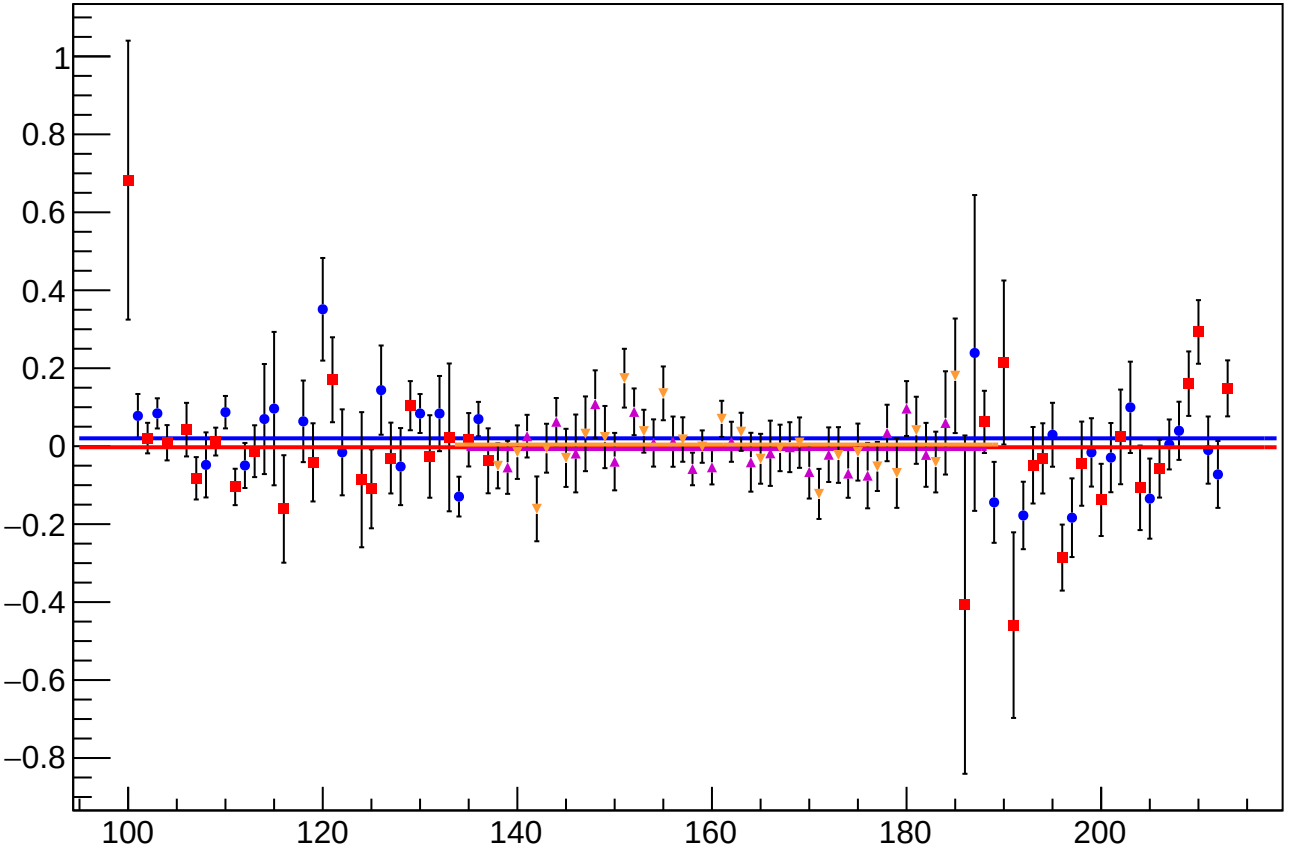
Right: 49.504+/-0.007 χ^2/NDF: 13016109.7/62

In: 53.174+/-0.007 χ^2/NDF:6956214.5/51

Out: 51.828+/-0.006 χ^2/NDF:9422393.3/58

All: 52.472+/-0.005 χ^2/NDF: 16399311.9/110

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.013 χ^2/NDF: 45.7/28

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

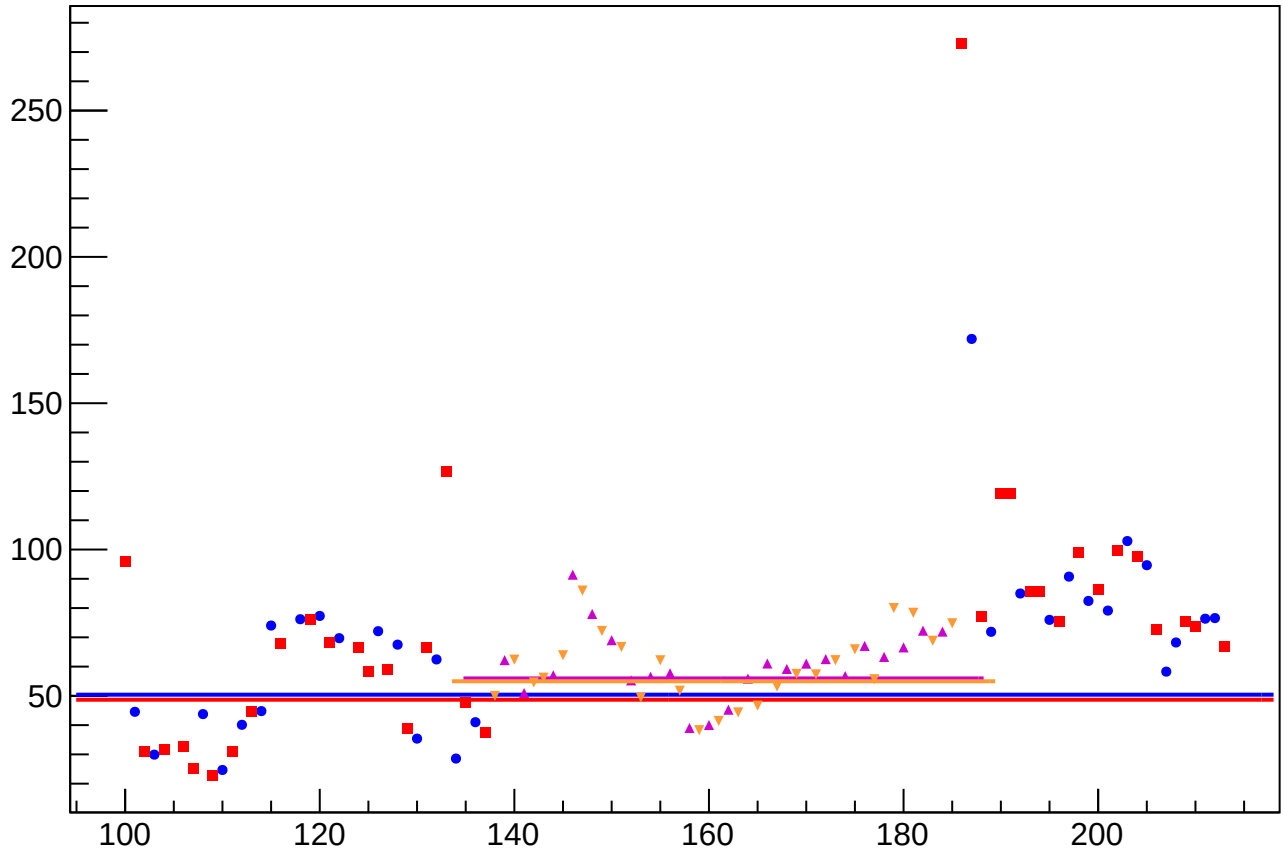
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.008+/-0.009 χ^2/NDF: 110.5/62

In: 0.006+/-0.010 χ^2/NDF:62.8/51

Out: 0.001+/-0.009 χ^2/NDF:88.2/58

All: 0.003+/-0.007 χ^2/NDF: 151.2/110



Right In: 50.402+/-0.010 χ^2/NDF: 5380967.9/28

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

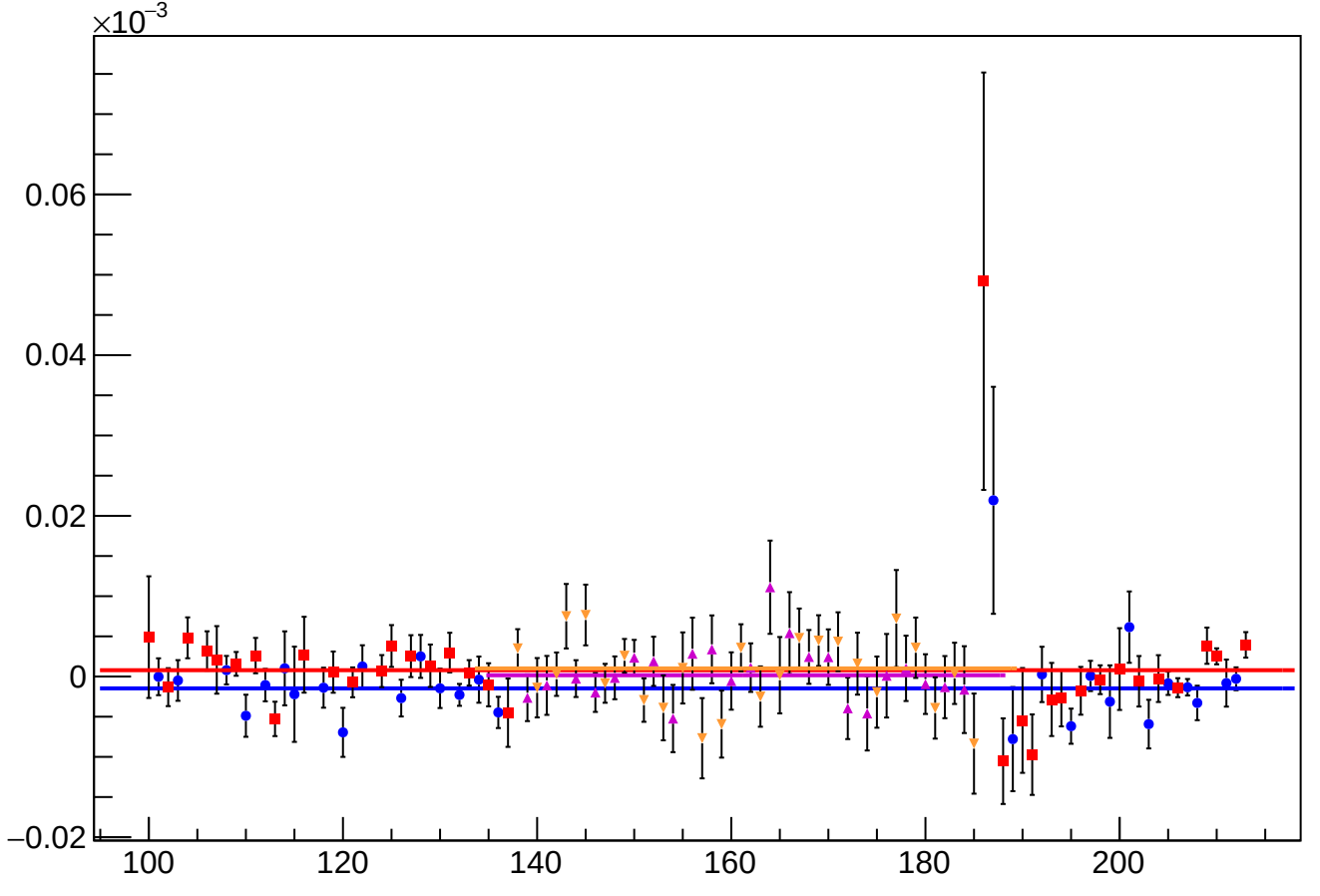
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 49.504+/-0.007 χ^2/NDF: 13016109.7/62

In: 53.174+/-0.007 χ^2/NDF:6956214.5/51

Out: 51.828+/-0.006 χ^2/NDF:9422393.3/58

All: 52.472+/-0.005 χ^2/NDF: 16399311.9/110



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/28

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

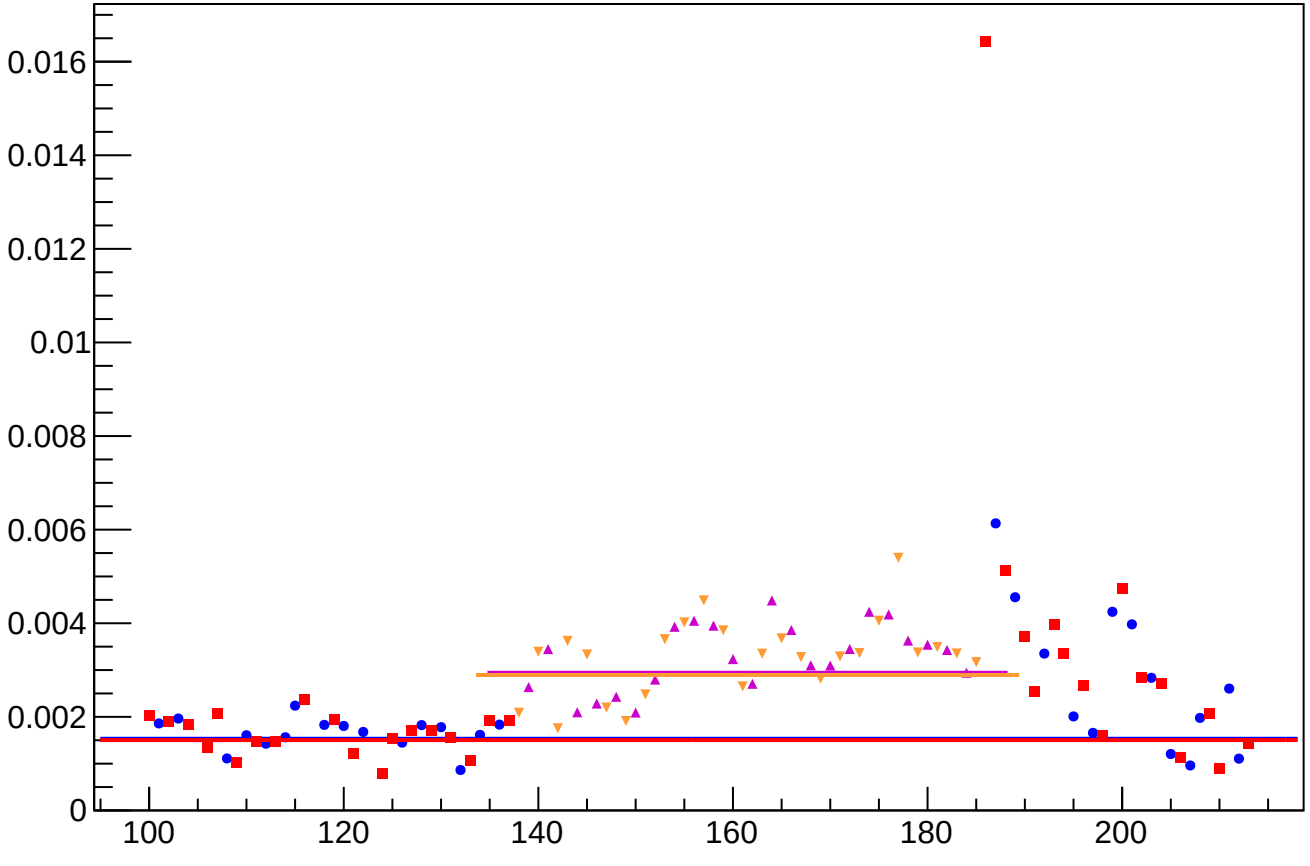
Right: -0.000+/-0.000 χ^2/NDF: 93.9/62

In: -0.000+/-0.000 χ^2/NDF:48.0/51

Out: 0.000+/-0.000 χ^2/NDF:76.4/58

All: -0.000+/-0.000 χ^2/NDF: 139.7/110

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5134697.9/28

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

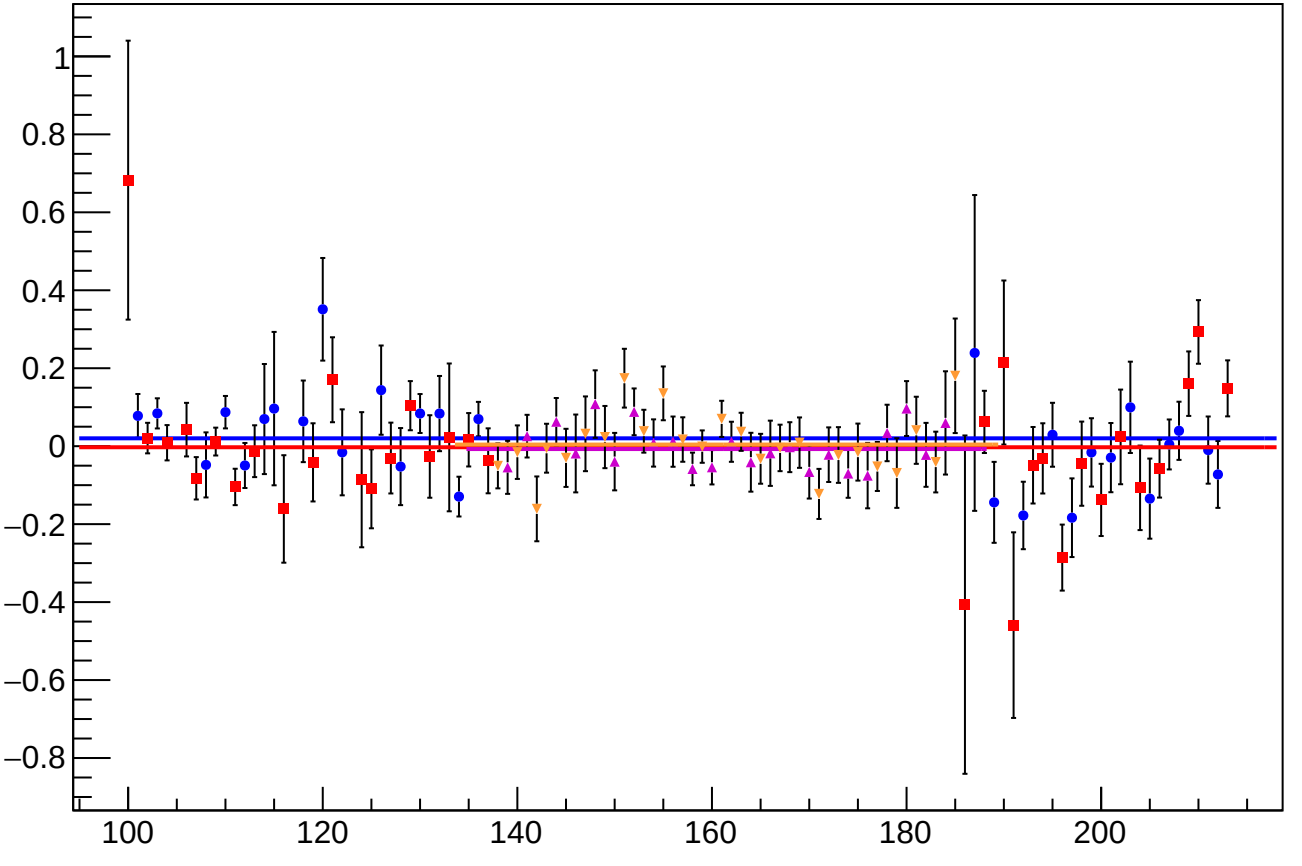
Right: 0.002+/-0.000 χ^2/NDF: 12128304.7/62

In: 0.002+/-0.000 χ^2/NDF:12966323.6/51

Out: 0.002+/-0.000 χ^2/NDF:15849241.0/58

All: 0.002+/-0.000 χ^2/NDF: 28828095.1/110

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.013 χ^2/NDF: 45.7/28

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

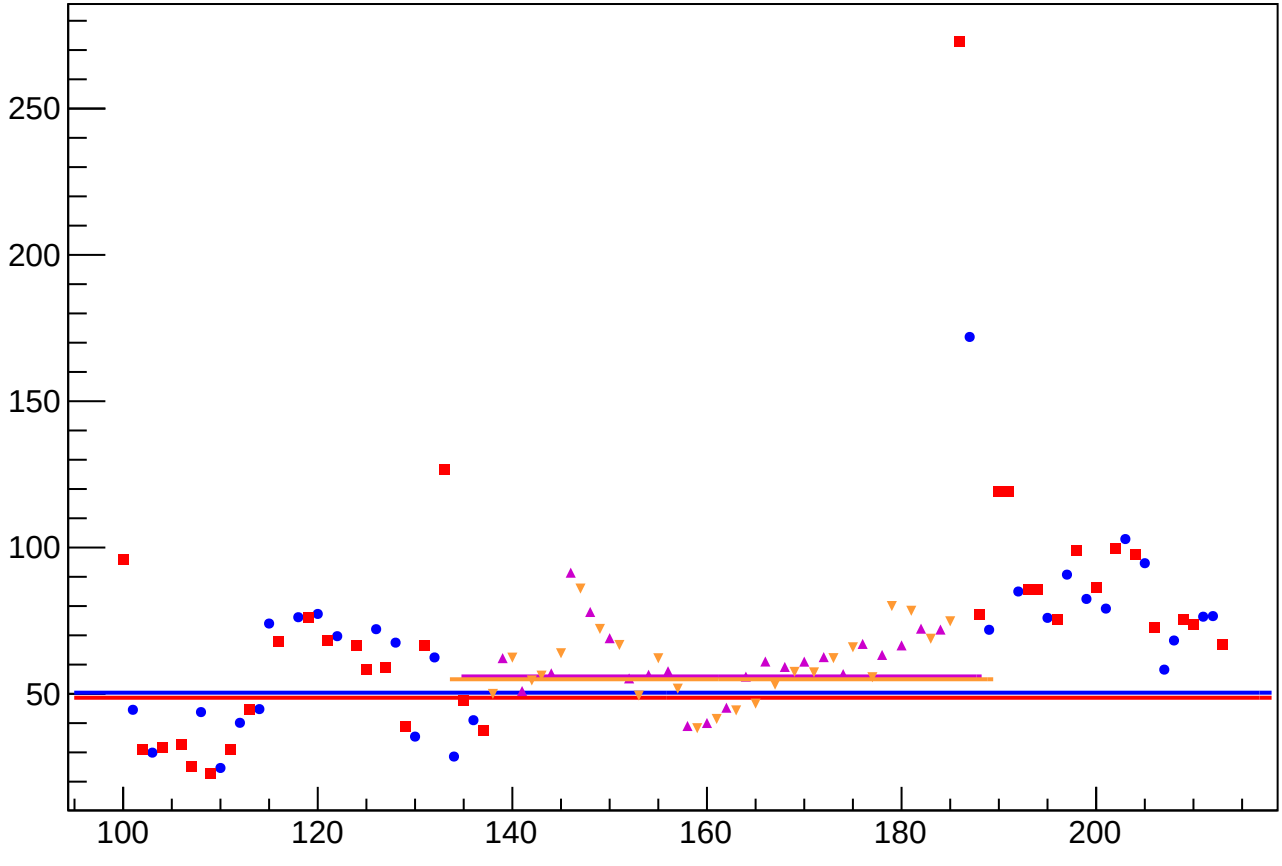
Right: 0.008+/-0.009 χ^2/NDF: 110.5/62

In: 0.006+/-0.010 χ^2/NDF:62.8/51

Out: 0.001+/-0.009 χ^2/NDF:88.2/58

All: 0.003+/-0.007 χ^2/NDF: 151.2/110

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.402+/-0.010 χ^2/NDF: 5381102.2/28

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

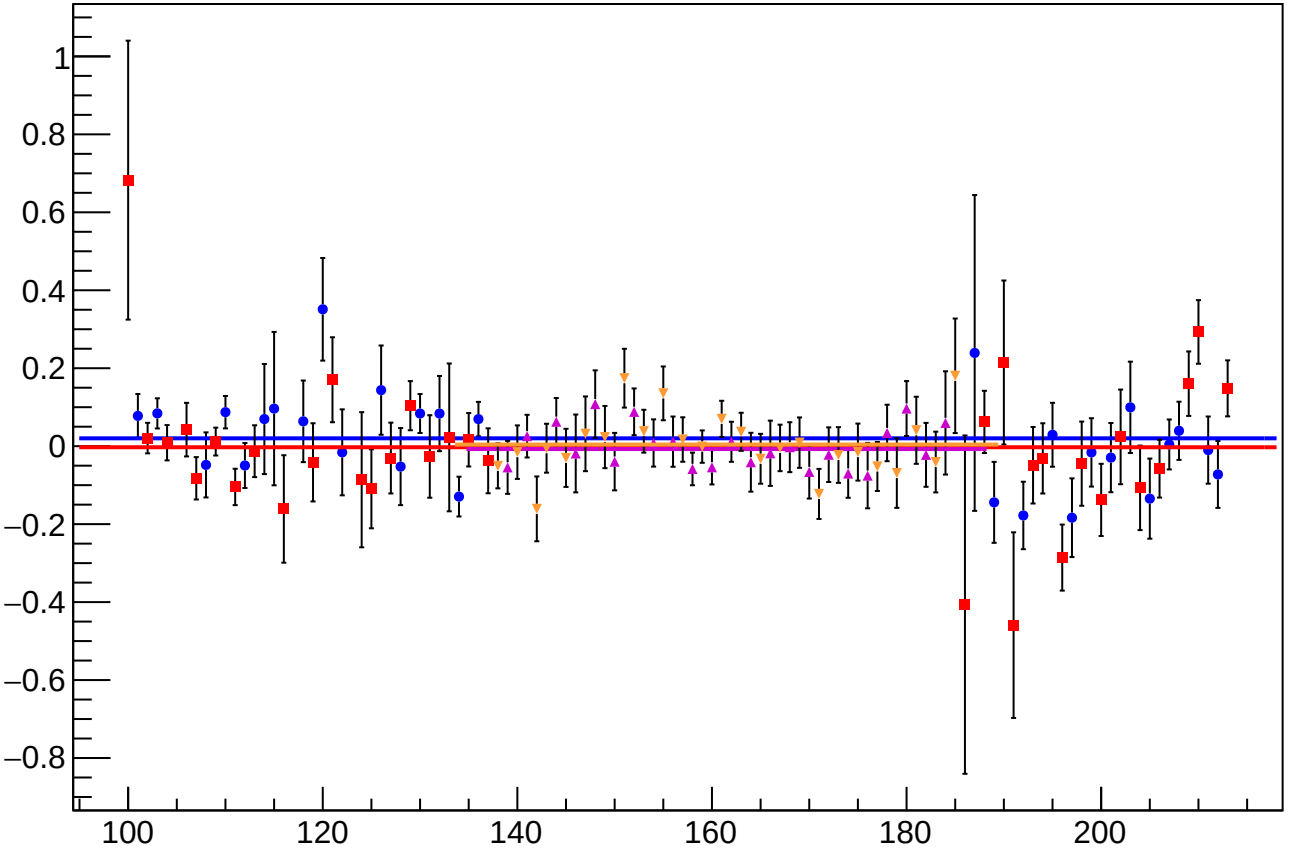
Right: 49.504+/-0.007 χ^2/NDF: 13016258.5/62

In: 53.173+/-0.007 χ^2/NDF:6956485.6/51

Out: 51.827+/-0.006 χ^2/NDF:9422489.3/58

All: 52.472+/-0.005 χ^2/NDF: 16399673.0/110

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.013 χ^2/NDF: 45.7/28

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

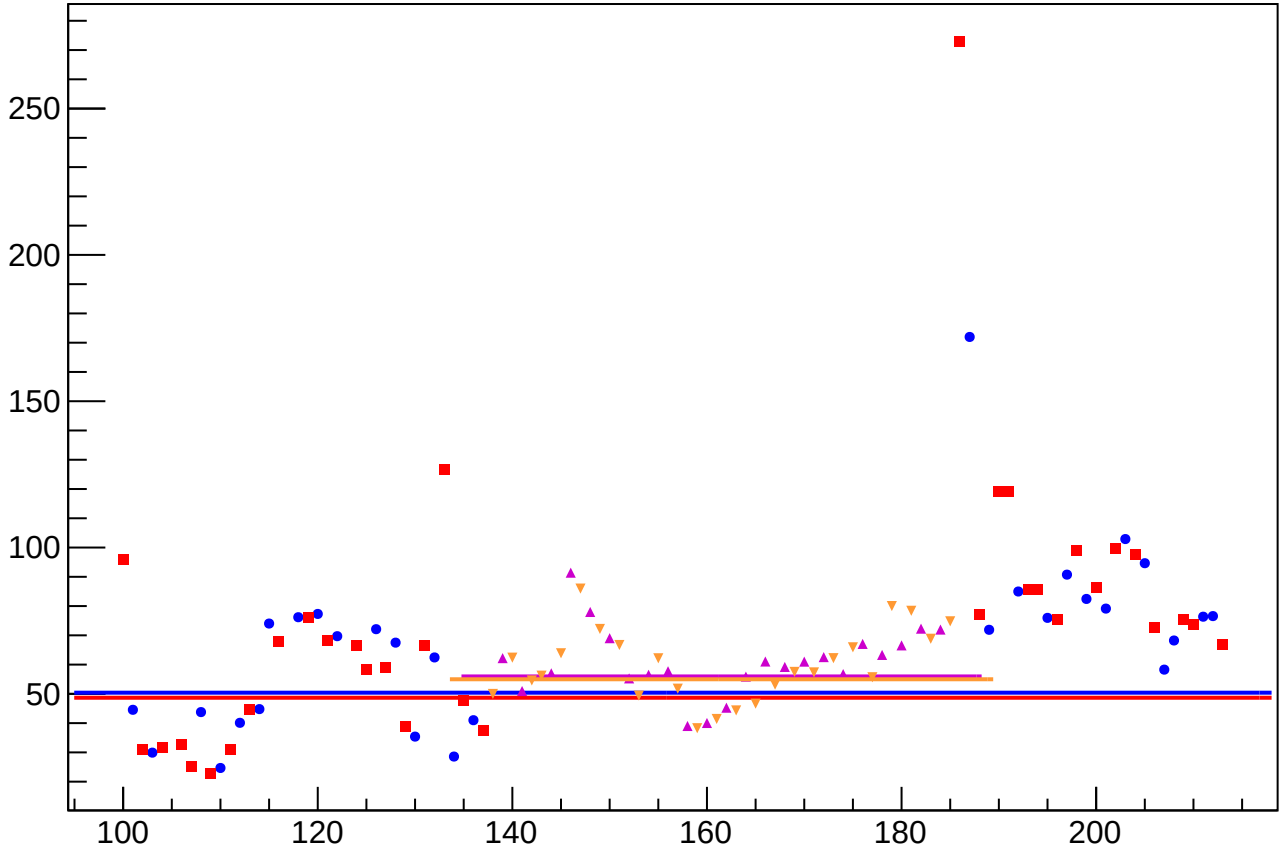
Right: 0.008+/-0.009 χ^2/NDF: 110.5/62

In: 0.006+/-0.010 χ^2/NDF:62.8/51

Out: 0.001+/-0.009 χ^2/NDF:88.2/58

All: 0.003+/-0.007 χ^2/NDF: 151.2/110

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.402+/-0.010 χ^2/NDF: 5381102.2/28

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

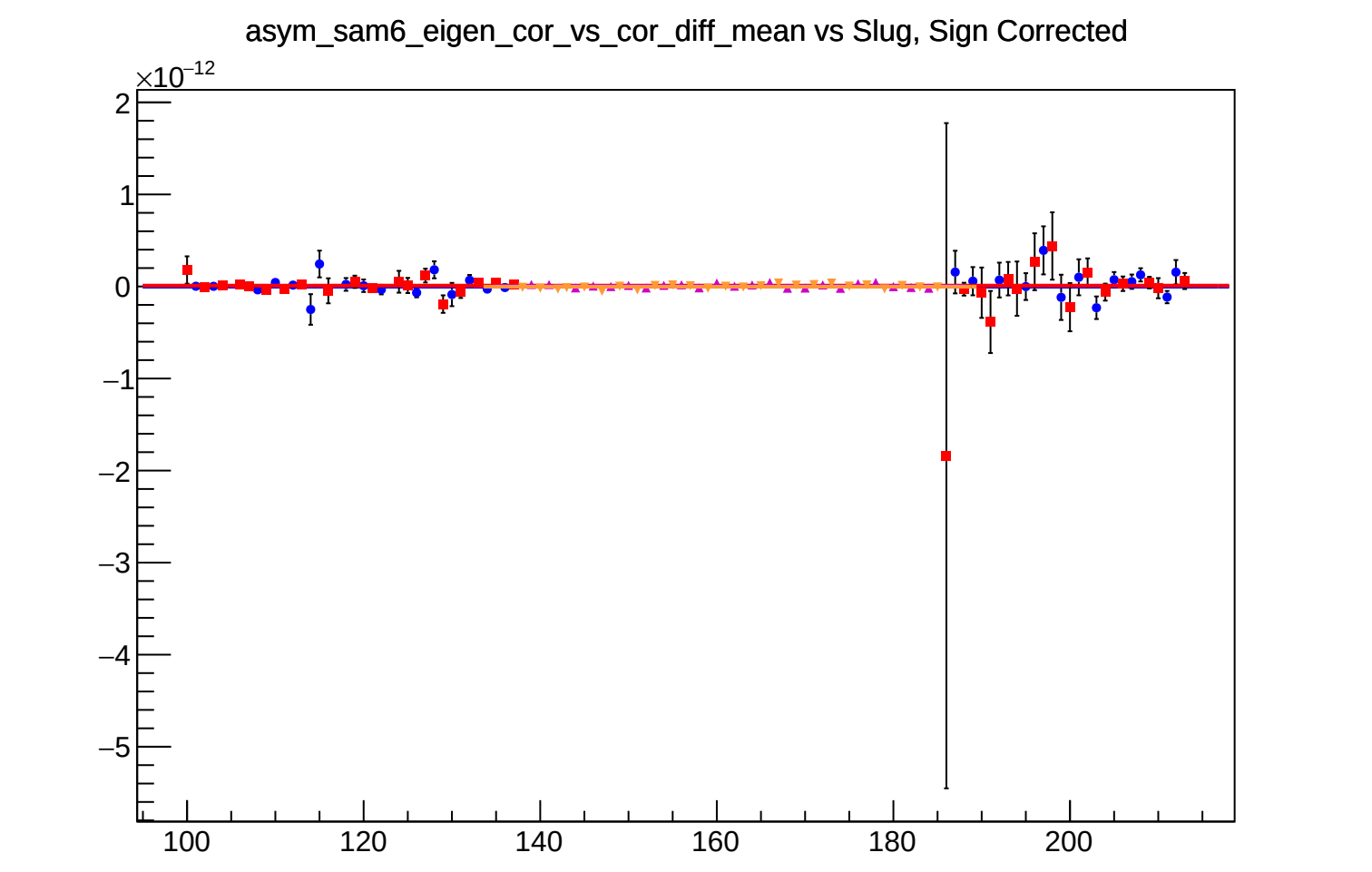
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 49.504+/-0.007 χ^2/NDF: 13016258.5/62

In: 53.173+/-0.007 χ^2/NDF:6956485.6/51

Out: 51.827+/-0.006 χ^2/NDF:9422489.3/58

All: 52.472+/-0.005 χ^2/NDF: 16399673.0/110



Right In: -0.000+/-0.000 χ^2/NDF: 32.4/28

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

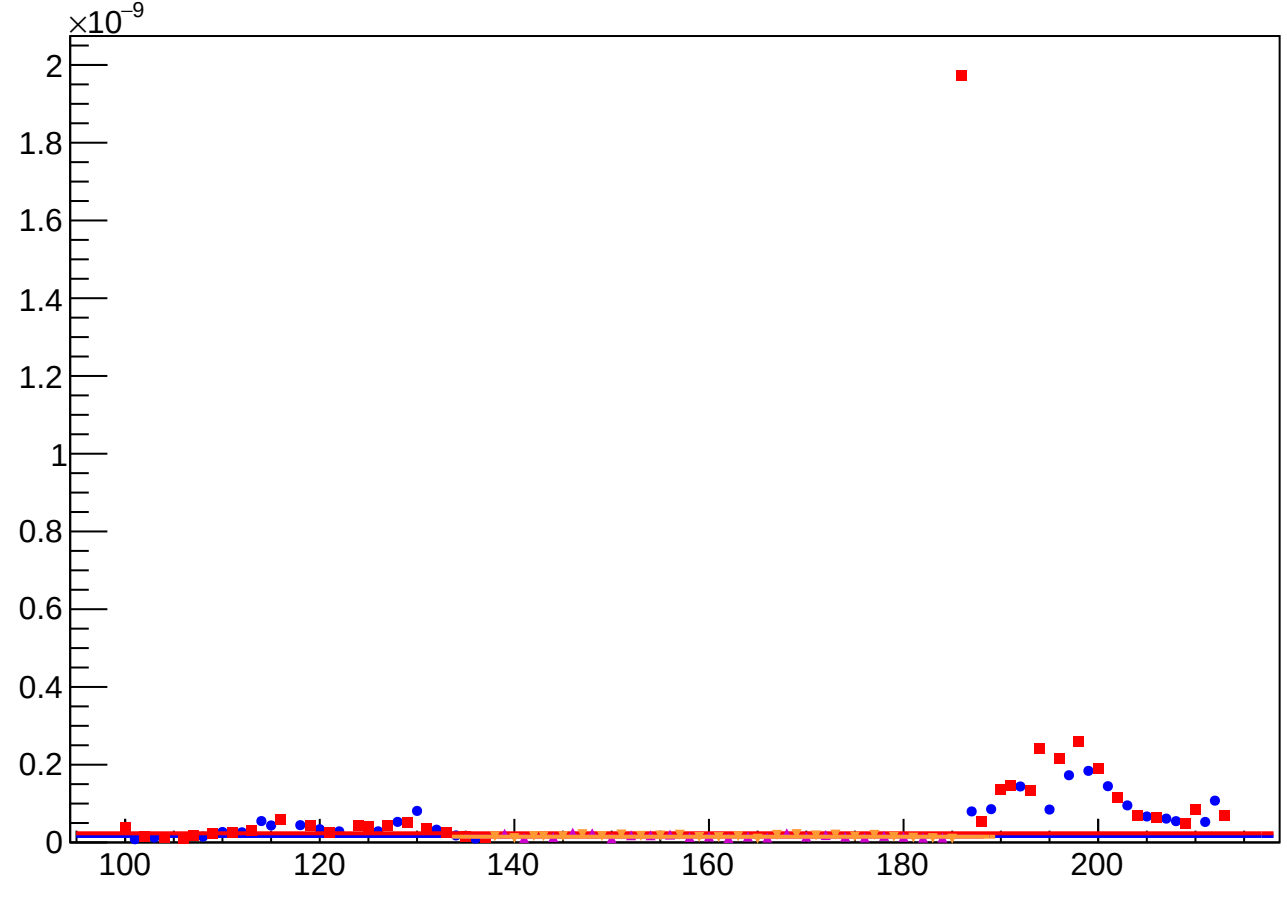
Left: 0.000+/-0.000 χ^2/NDF: 43.6/47

Right: 0.000+/-0.000 χ^2/NDF: 56.5/62

In: 0.000+/-0.000 χ^2/NDF:55.5/51

Out: -0.000+/-0.000 χ^2/NDF:43.9/58

All: 0.000+/-0.000 χ^2/NDF: 100.2/110



Right In: 0.000+/-0.000 χ^2/NDF: 12238479.1/28

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

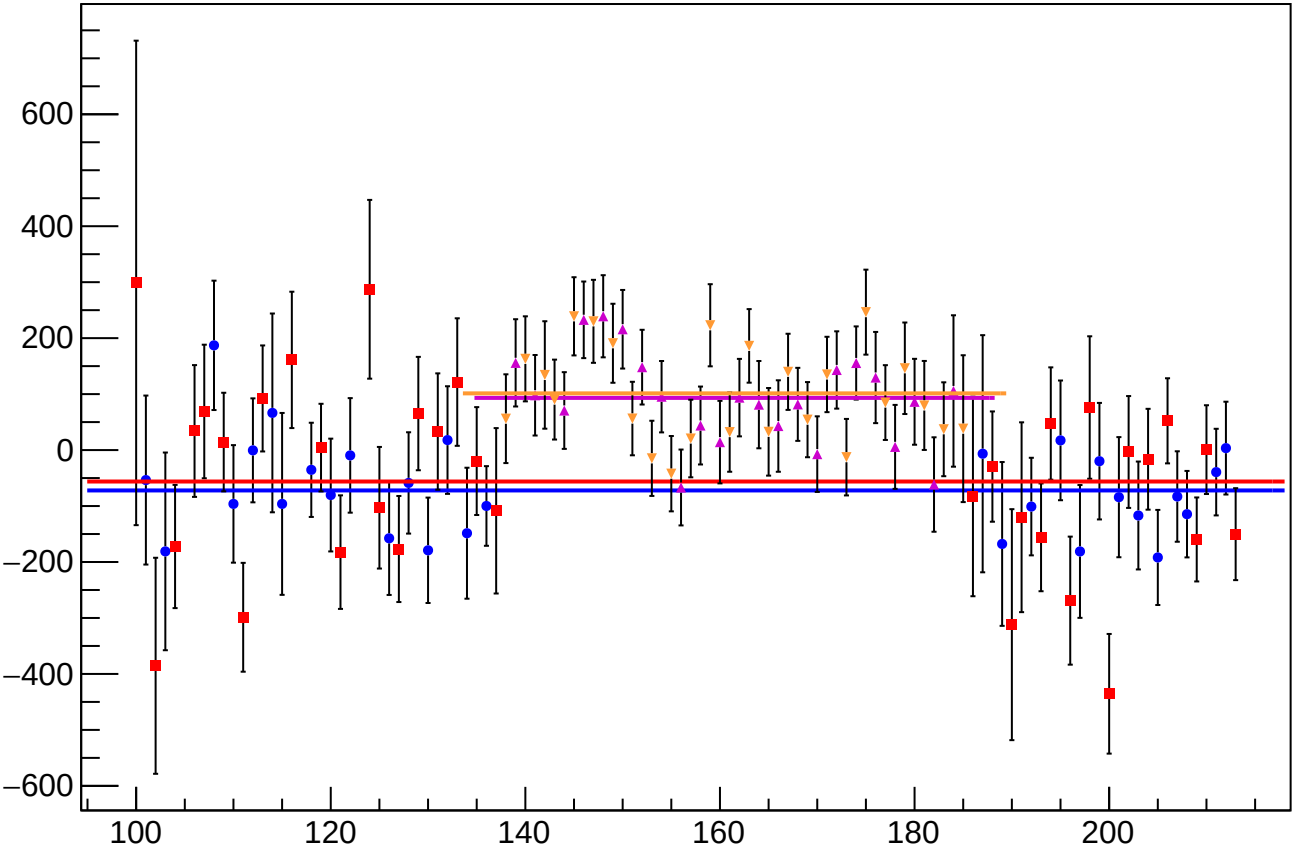
Right: 0.000+/-0.000 χ^2/NDF: 24646581.1/62

In: 0.000+/-0.000 χ^2/NDF:13757352.9/51

Out: 0.000+/-0.000 χ^2/NDF:14724985.4/58

All: 0.000+/-0.000 χ^2/NDF: 28548062.5/110

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -72.133+/-18.600 χ^2/NDF: 16.7/28

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

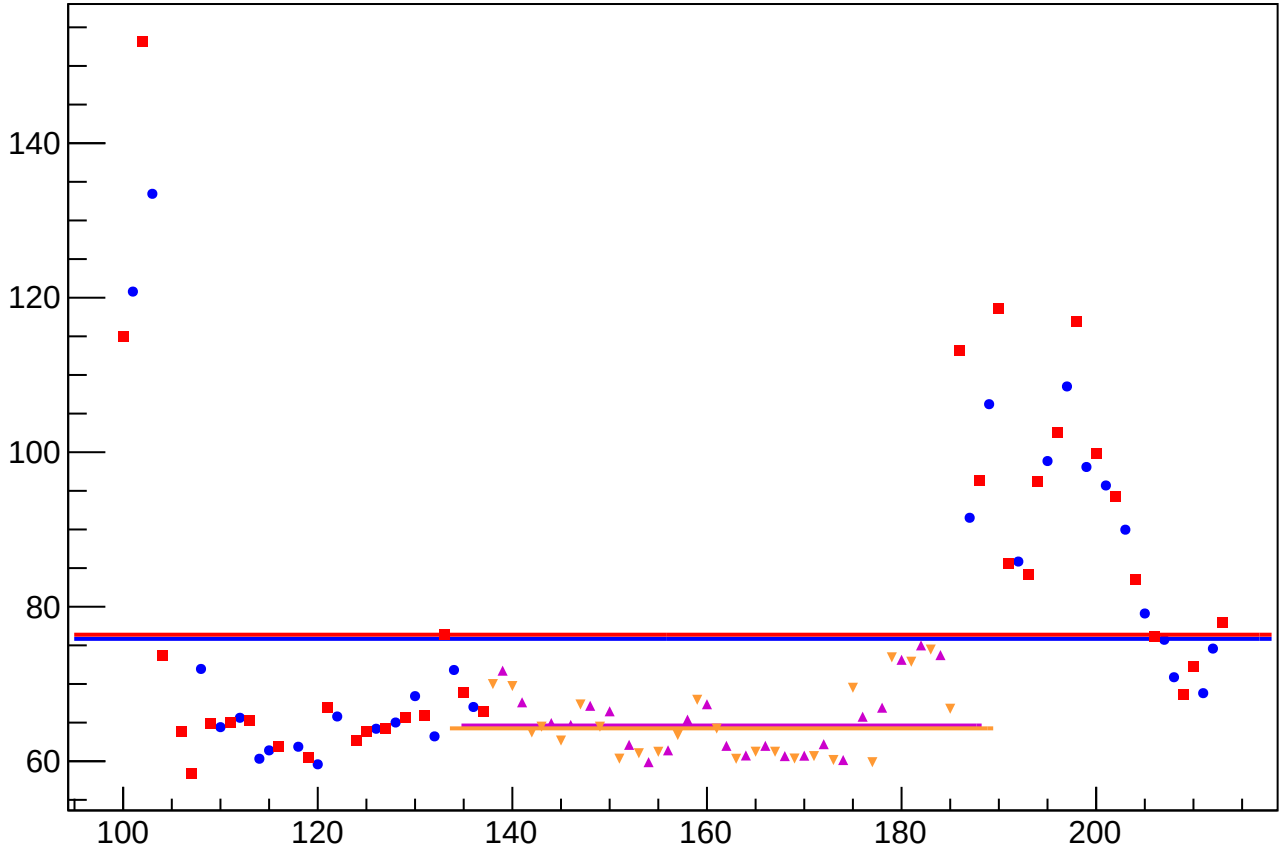
Right: -63.883+/-12.927 χ^2/NDF: 76.7/62

In: 27.351+/-11.740 χ^2/NDF:93.1/51

Out: 38.525+/-11.353 χ^2/NDF:139.6/58

All: 33.125+/-8.161 χ^2/NDF: 233.2/110

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.842+/-0.013 χ^2/NDF: 1331228.7/28

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

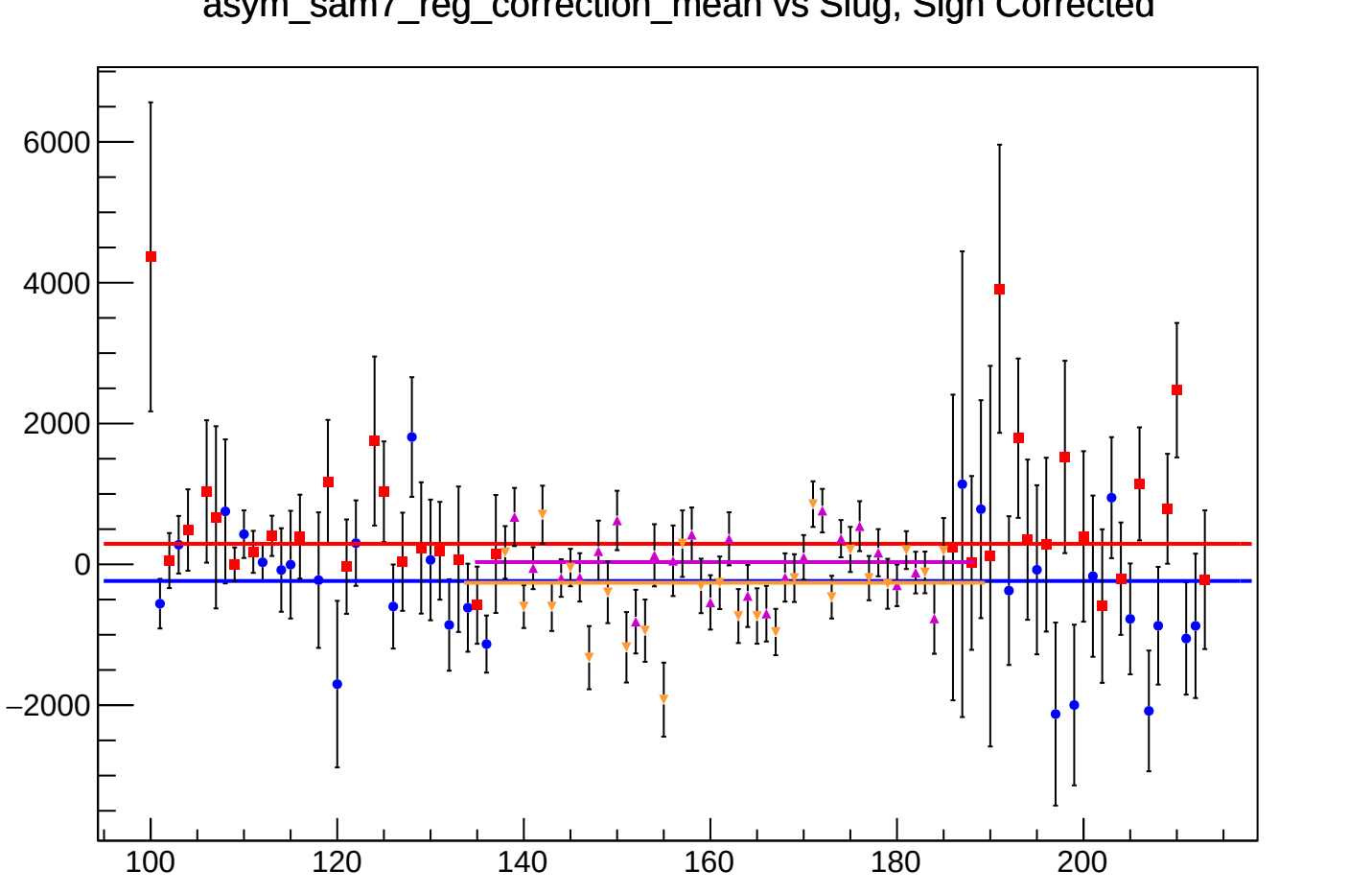
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.120+/-0.009 χ^2/NDF: 2943944.1/62

In: 69.092+/-0.008 χ^2/NDF:1916321.5/51

Out: 69.090+/-0.008 χ^2/NDF:2336370.2/58

All: 69.091+/-0.006 χ^2/NDF: 4252691.7/110



Right In: -235.991+/-115.022 χ^2/NDF: 37.3/28

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

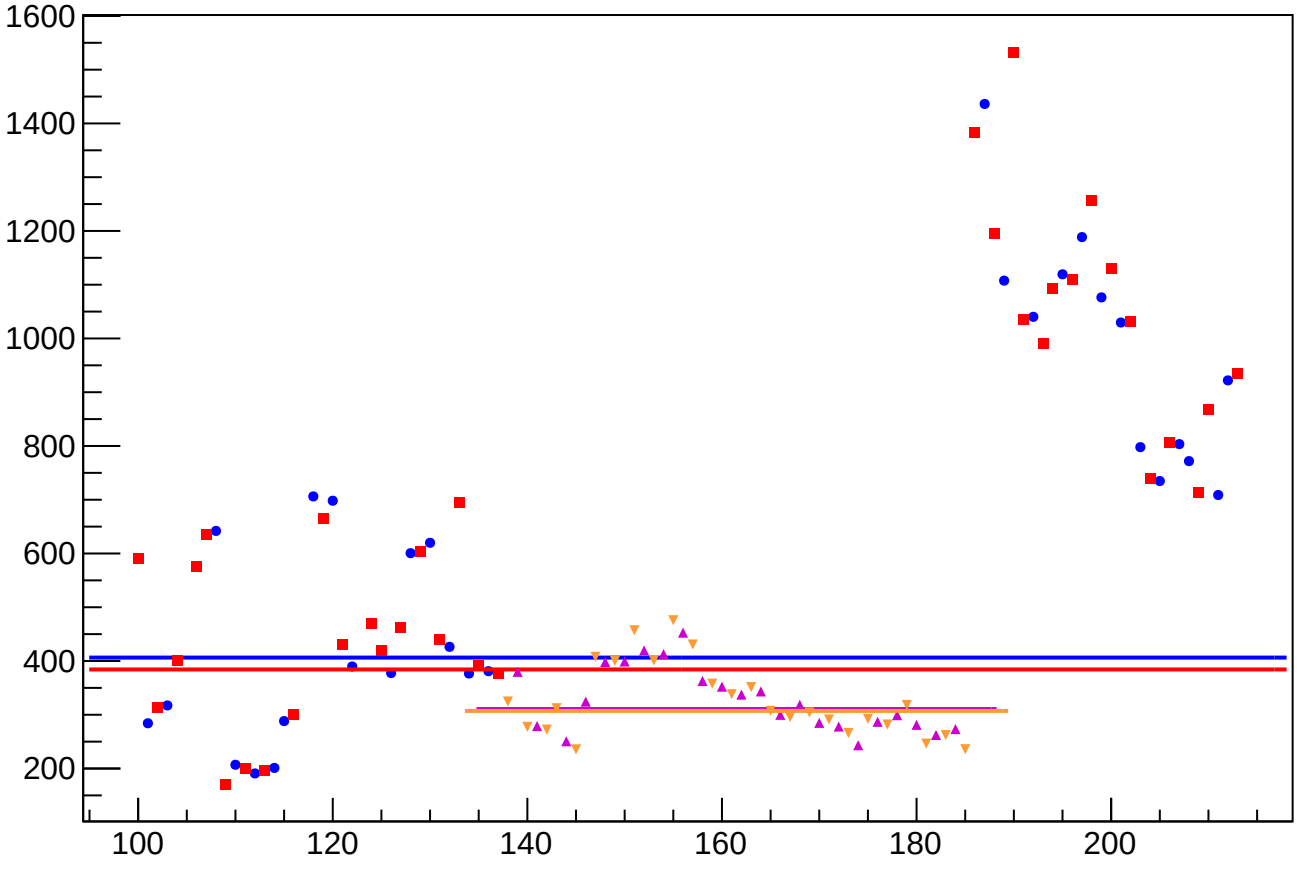
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 42.553+/-79.039 χ^2/NDF: 75.1/62

In: -45.908+/-62.136 χ^2/NDF:72.9/51

Out: -95.113+/-59.616 χ^2/NDF:103.6/58

All: -71.528+/-43.018 χ^2/NDF: 176.8/110



Right In: 406.349+/-0.081 χ^2/NDF: 9665153.3/28

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

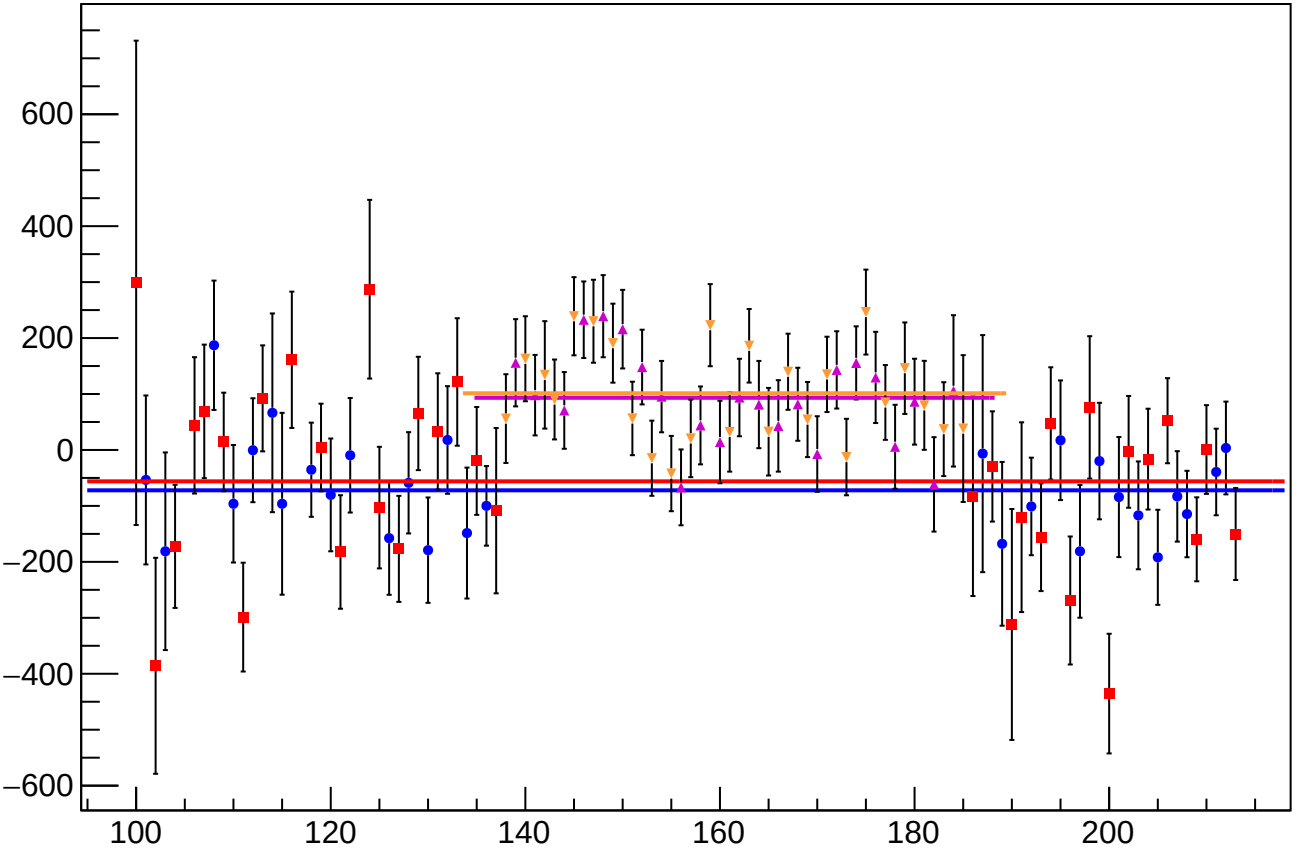
Right: 394.703+/-0.056 χ^2/NDF: 22363965.2/62

In: 338.611+/-0.044 χ^2/NDF:11724102.1/51

Out: 330.306+/-0.042 χ^2/NDF:14683699.4/58

All: 334.287+/-0.030 χ^2/NDF: 26426406.3/11

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -72.135+/-18.600 χ^2/NDF: 16.7/28

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

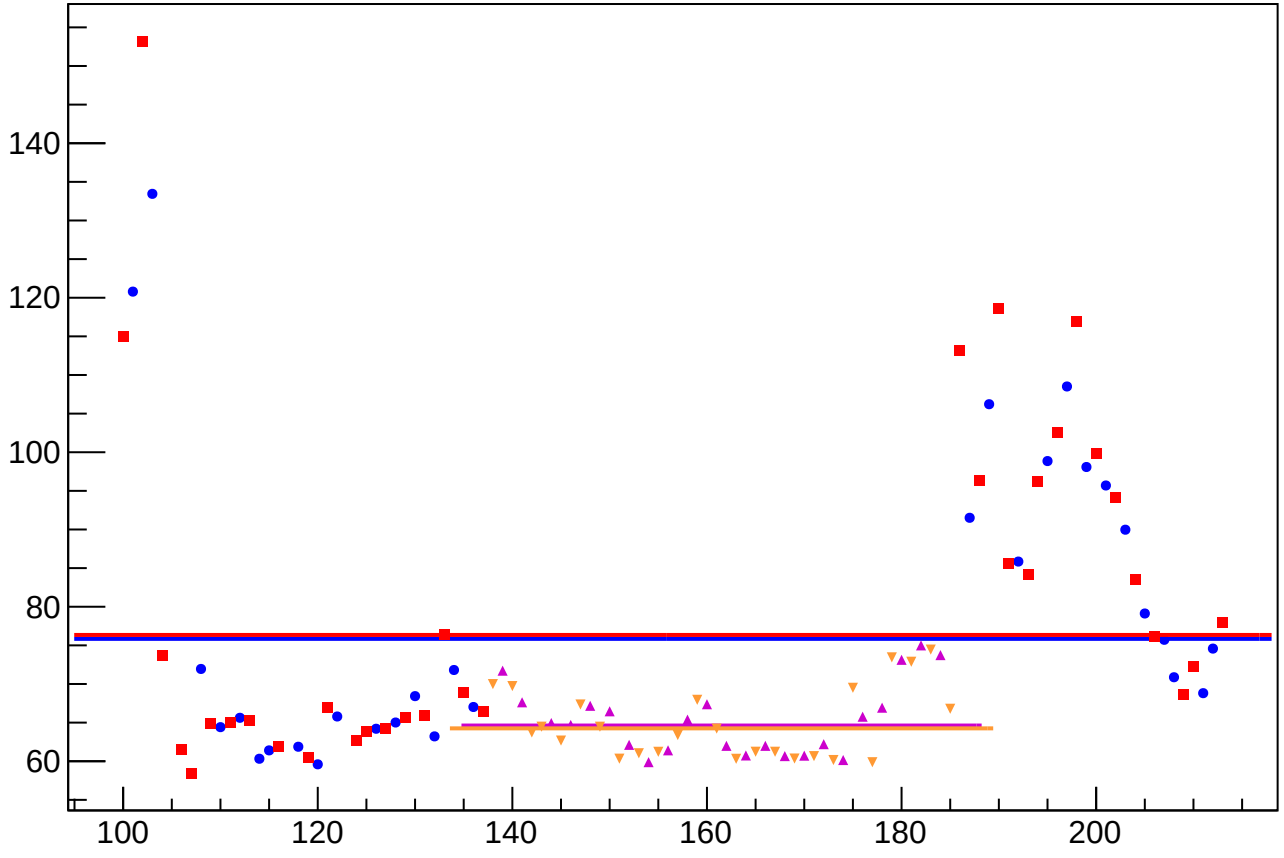
Right: -63.849+/-12.932 χ^2/NDF: 76.8/62

In: 27.349+/-11.740 χ^2/NDF:93.1/51

Out: 38.615+/-11.357 χ^2/NDF:139.6/58

All: 33.169+/-8.163 χ^2/NDF: 233.2/110

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.842+/-0.013 χ^2/NDF: 1331229.0/28

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

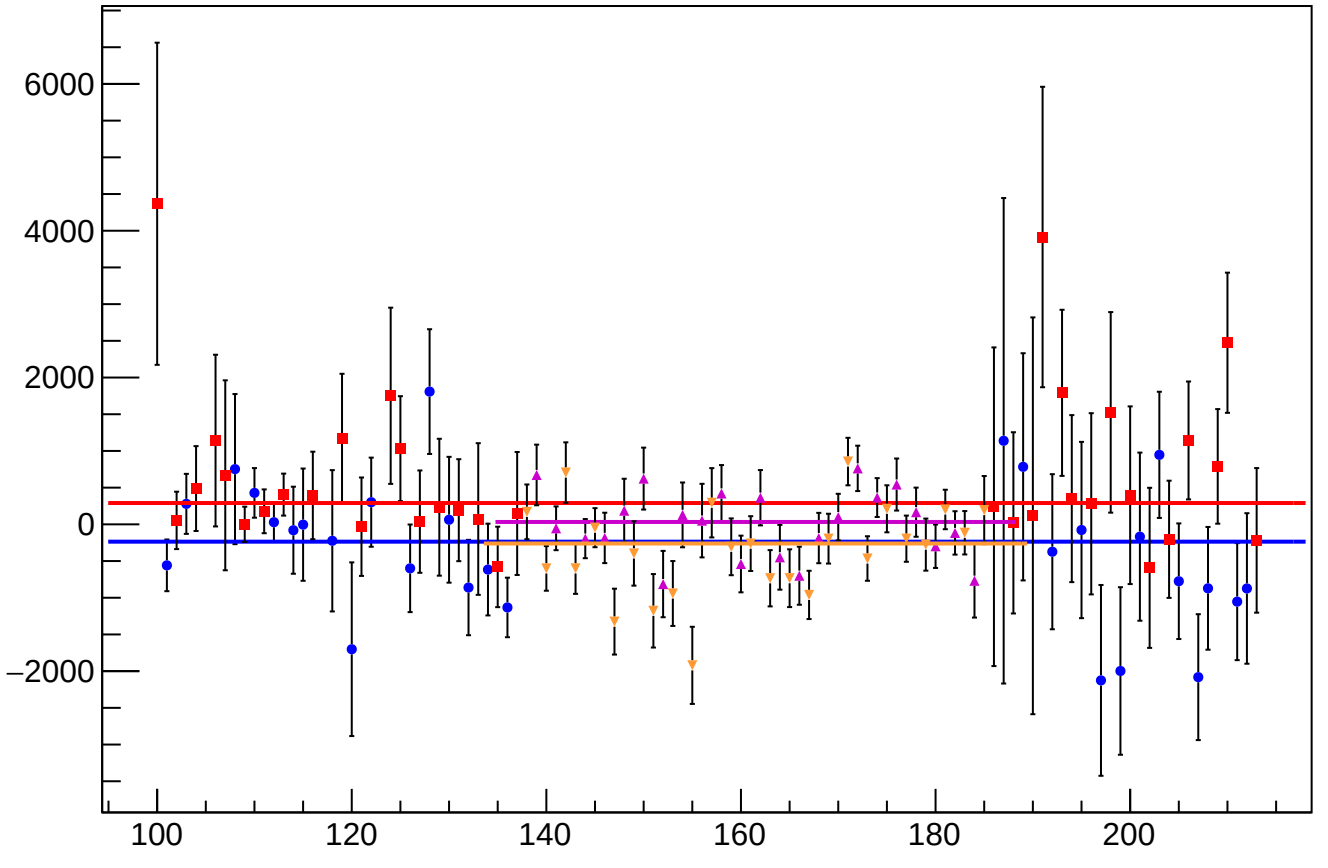
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.103+/-0.009 χ^2/NDF: 2951073.9/62

In: 69.092+/-0.008 χ^2/NDF:1916321.8/51

Out: 69.073+/-0.008 χ^2/NDF:2340181.7/58

All: 69.082+/-0.006 χ^2/NDF: 4256506.3/110



Right In: -235.988+/-115.022 χ^2/NDF: 37.3/28

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

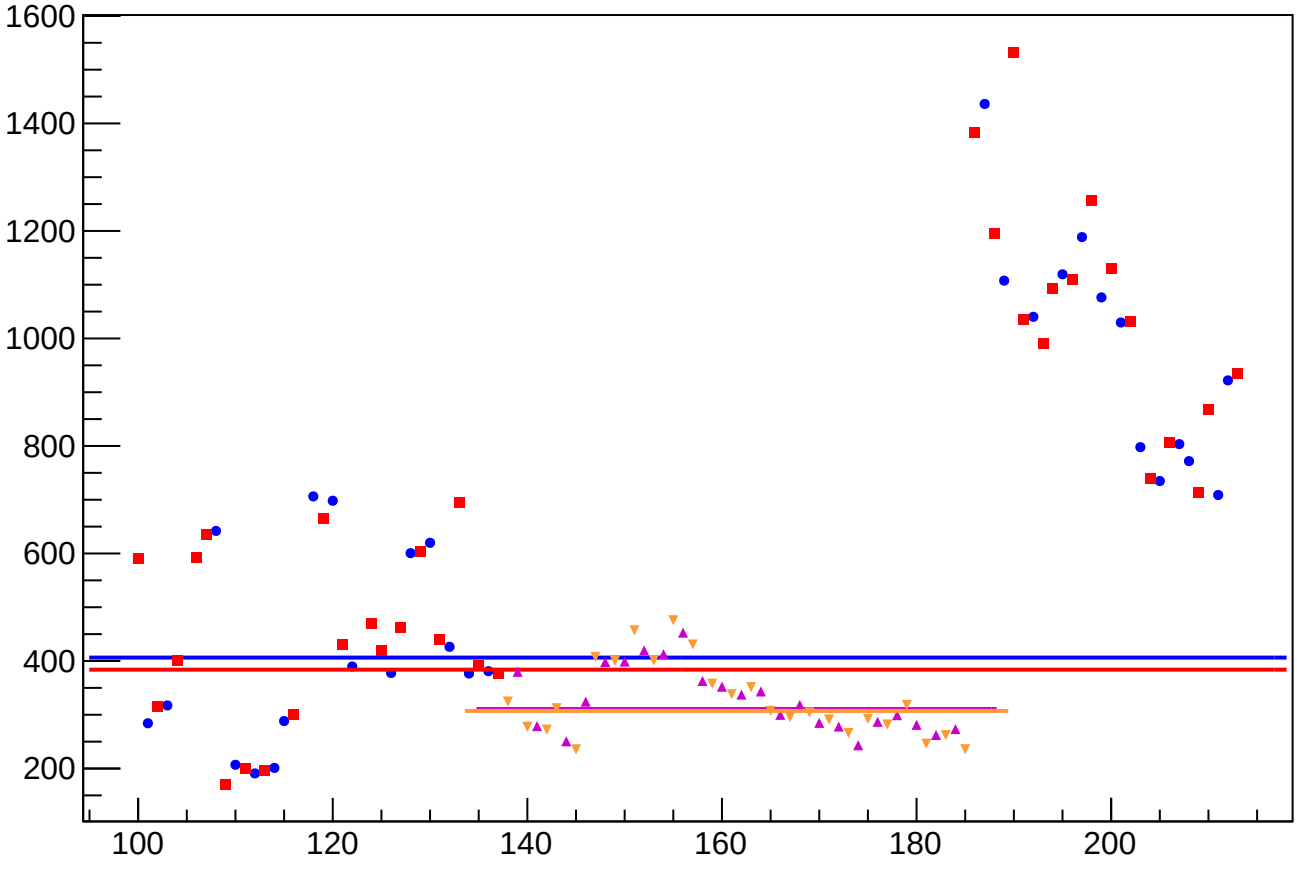
Right: 41.505+/-79.102 χ^2/NDF: 75.0/62

In: -45.909+/-62.136 χ^2/NDF:72.9/51

Out: -95.834+/-59.643 χ^2/NDF:103.5/58

All: -71.893+/-43.028 χ^2/NDF: 176.7/110

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 406.352+/-0.081 χ^2/NDF: 9665095.2/28

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

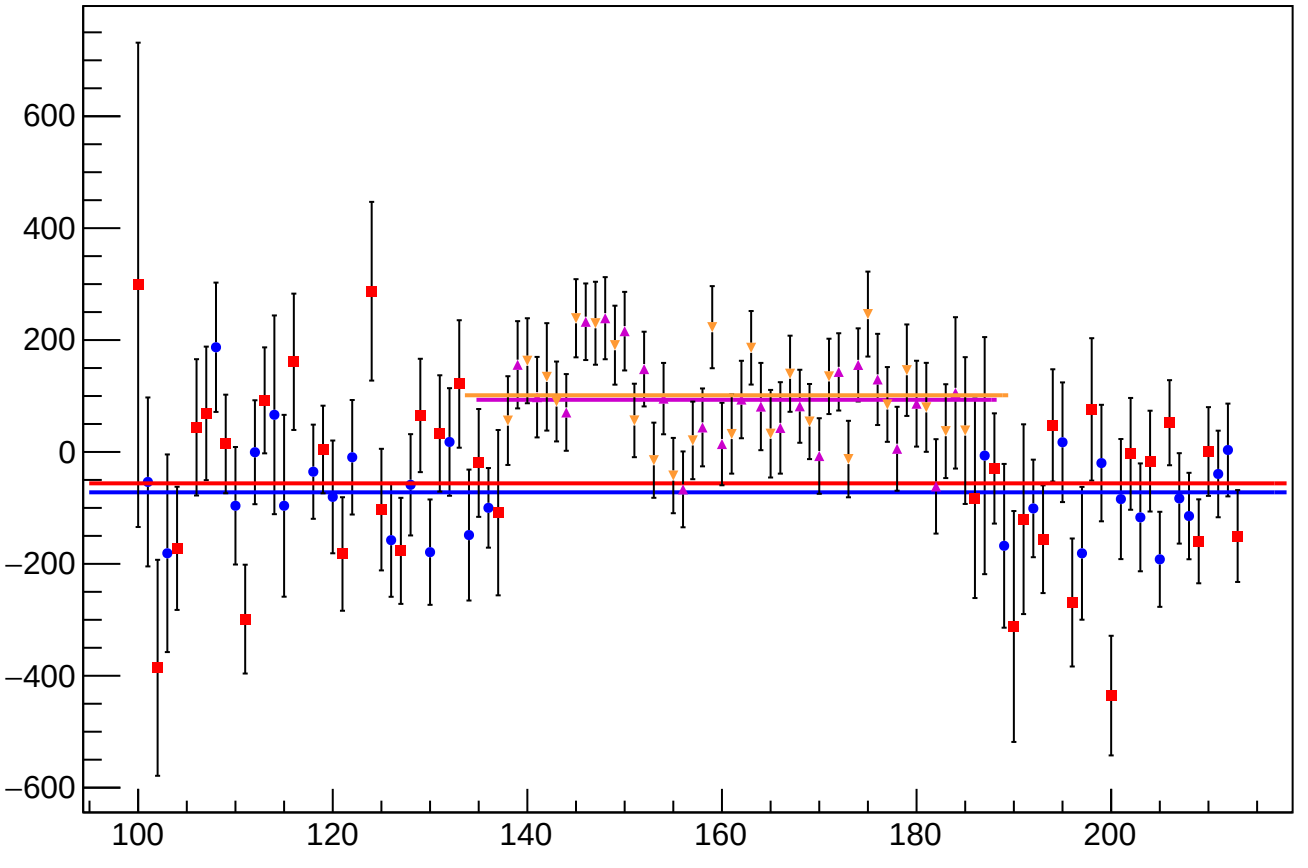
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 394.517+/-0.056 χ^2/NDF: 22357365.6/62

In: 338.612+/-0.044 χ^2/NDF:11724091.1/51

Out: 330.142+/-0.042 χ^2/NDF:14667328.6/58

All: 334.203+/-0.030 χ^2/NDF: 26410763.6/11



Right In: -72.135+/-18.600 χ^2/NDF: 16.7/28

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

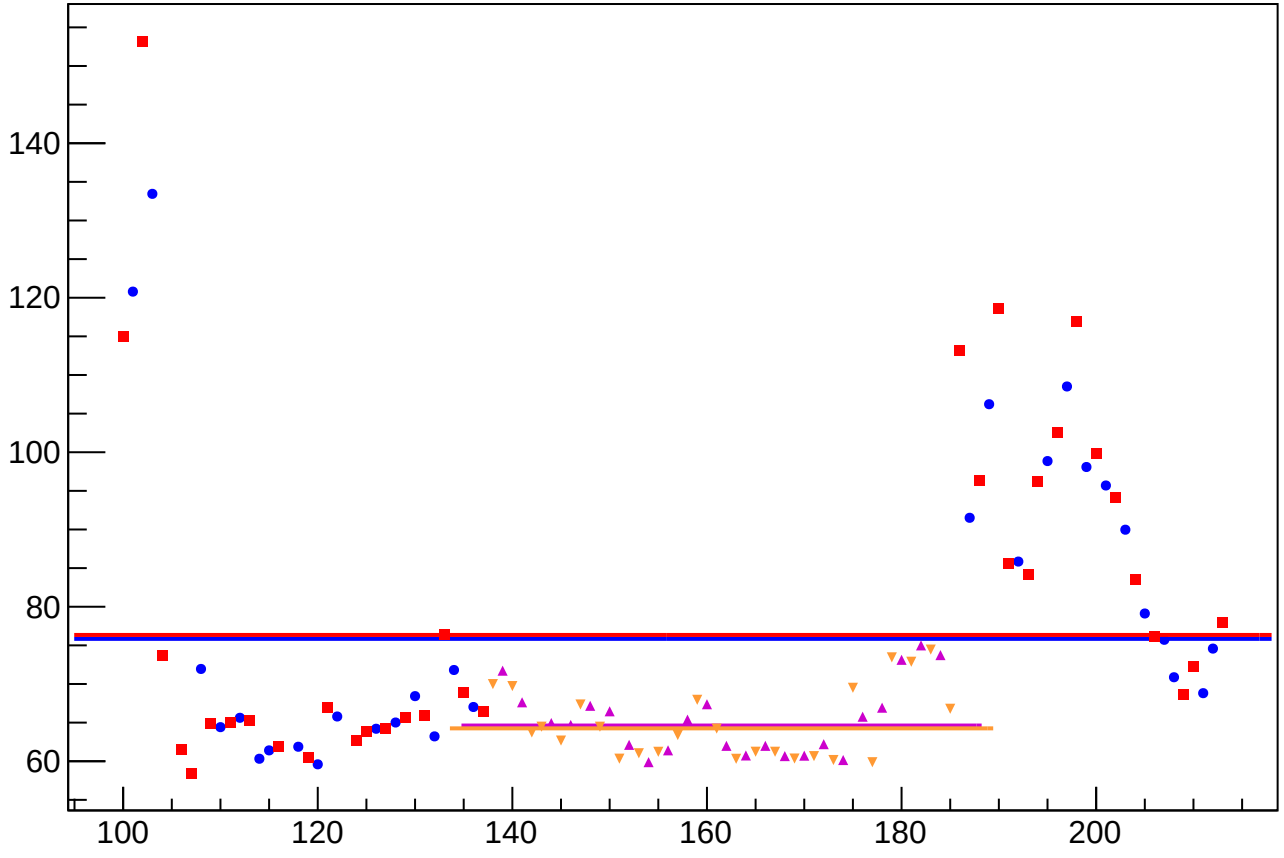
Right: -63.849+/-12.932 χ^2/NDF: 76.8/62

In: 27.349+/-11.740 χ^2/NDF:93.1/51

Out: 38.615+/-11.357 χ^2/NDF:139.6/58

All: 33.169+/-8.163 χ^2/NDF: 233.2/110

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.842+/-0.013 χ^2/NDF: 1331229.0/28

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

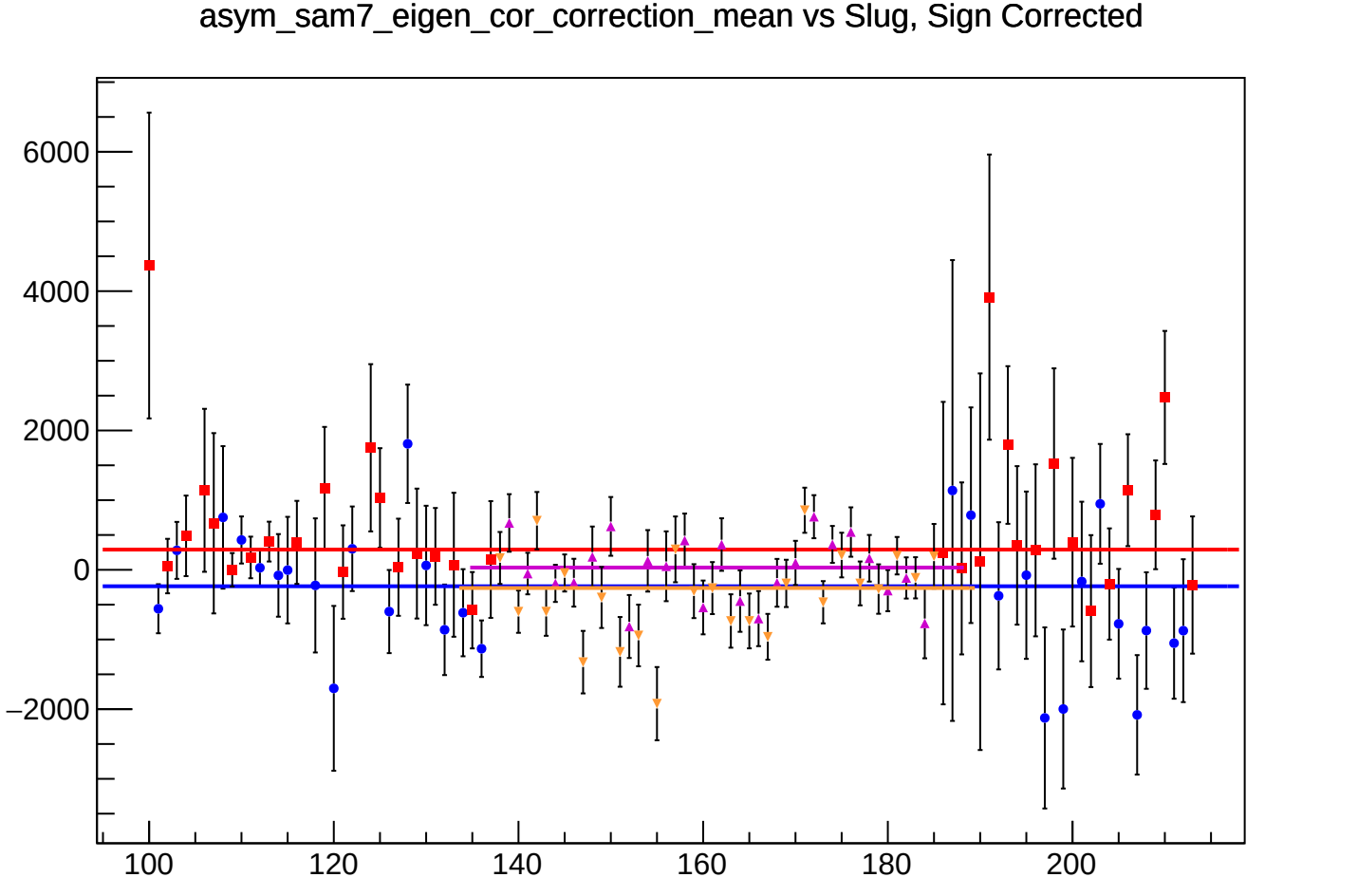
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

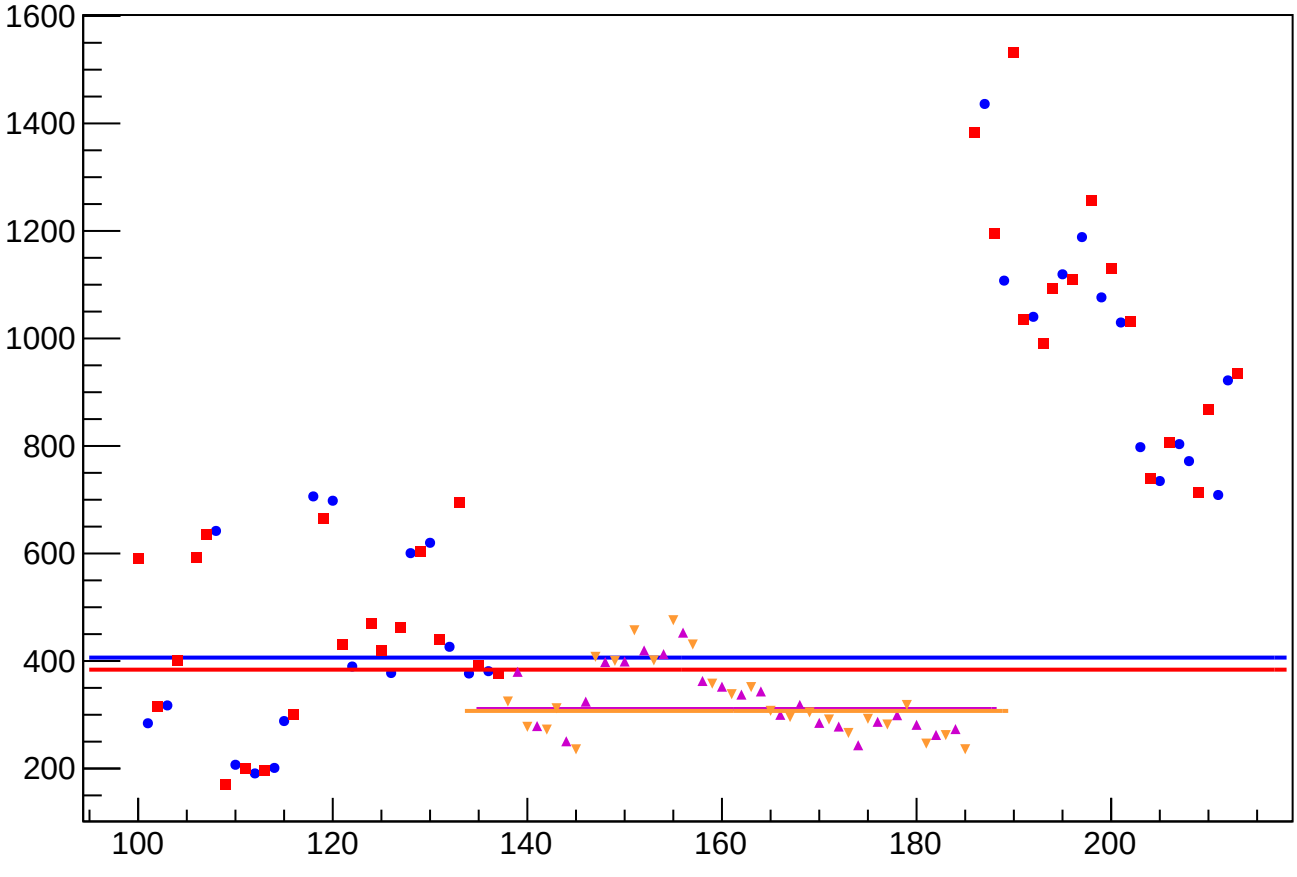
Right: 76.103+/-0.009 χ^2/NDF: 2951073.9/62

In: 69.092+/-0.008 χ^2/NDF:1916321.8/51

Out: 69.073+/-0.008 χ^2/NDF:2340181.7/58

All: 69.082+/-0.006 χ^2/NDF: 4256506.3/110


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -235.988+/-115.022 χ²/NDF: 37.3/28
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 290.507+/-108.958 χ²/NDF: 26.7/33
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 41.505+/-79.102 χ²/NDF: 75.0/62
In: -45.909+/-62.136 χ²/NDF:72.9/51
Out: -95.834+/-59.643 χ²/NDF:103.5/58
All: -71.893+/-43.028 χ²/NDF: 176.7/110



Right In: 406.352+/-0.081 χ^2/NDF: 9665095.2/28

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

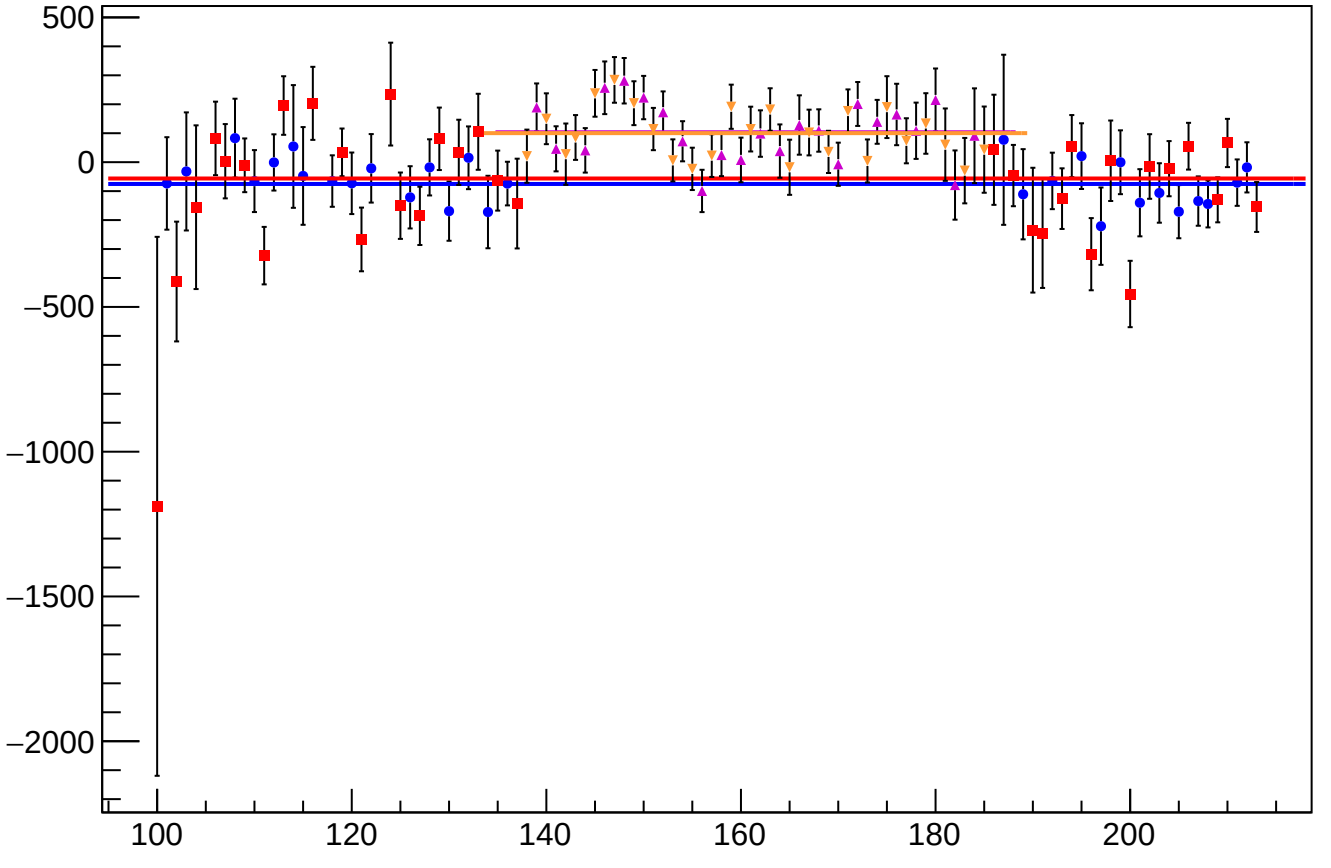
Right: 394.517+/-0.056 χ^2/NDF: 22357365.6/62

In: 338.612+/-0.044 χ^2/NDF:11724091.1/51

Out: 330.142+/-0.042 χ^2/NDF:14667328.6/58

All: 334.203+/-0.030 χ^2/NDF: 26410763.6/11

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -75.300+/-19.968 χ^2/NDF: 11.1/28

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

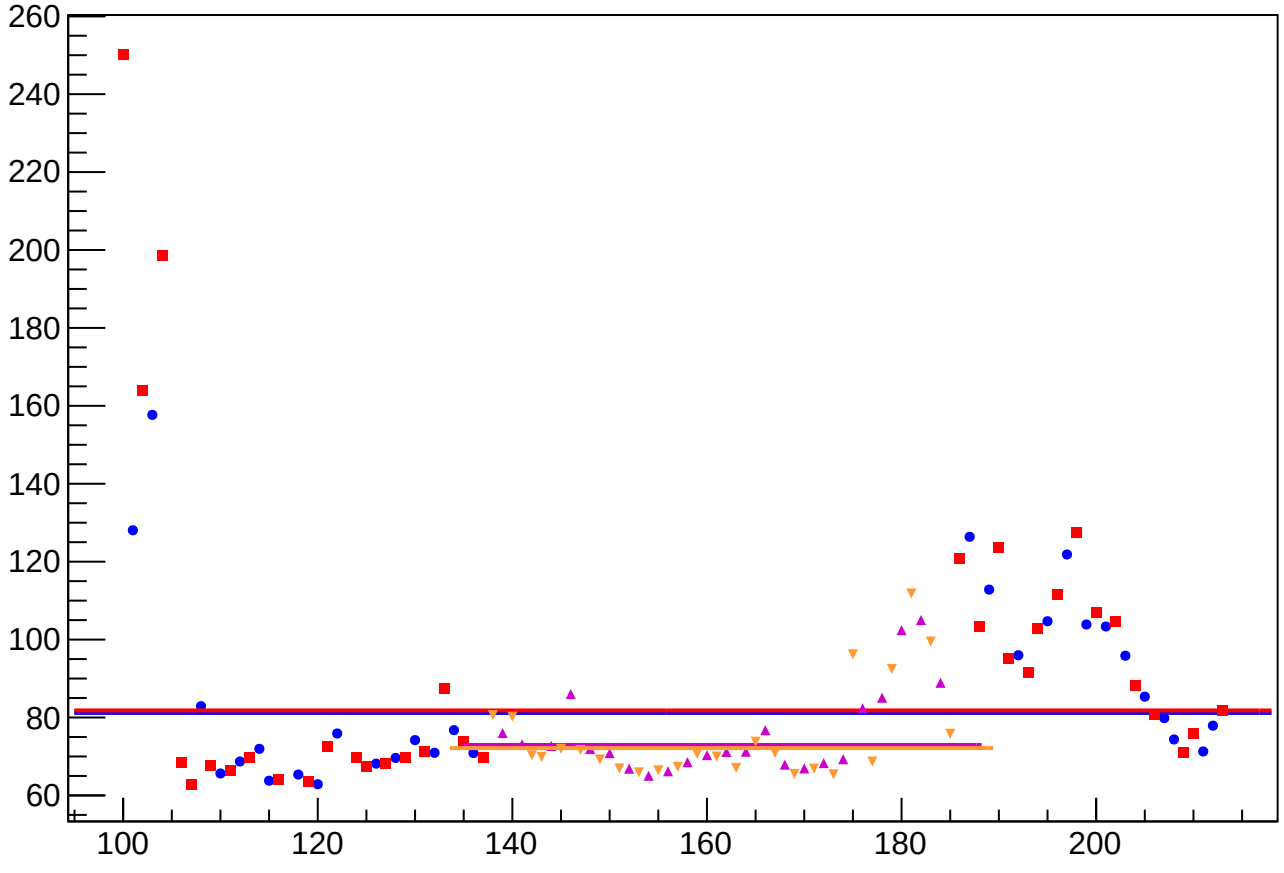
Right: -65.576+/-13.914 χ^2/NDF: 76.2/62

In: 26.955+/-13.058 χ^2/NDF:89.7/51

Out: 33.932+/-12.624 χ^2/NDF:129.9/58

All: 30.561+/-9.076 χ^2/NDF: 219.7/110

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 81.175+/-0.014 χ^2/NDF: 1503867.4/28

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

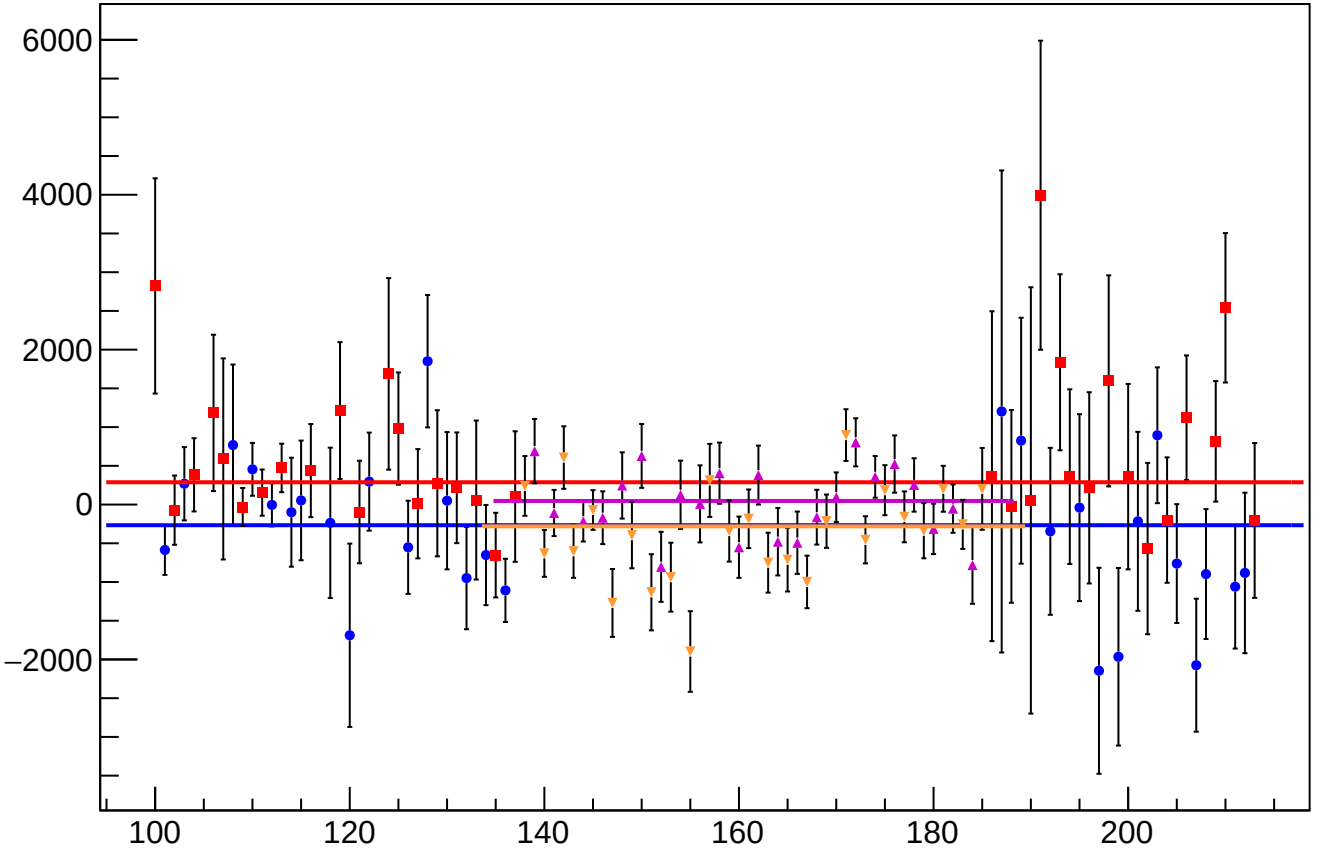
Right: 81.501+/-0.010 χ^2/NDF: 3631850.6/62

In: 76.466+/-0.009 χ^2/NDF:2207192.6/51

Out: 76.240+/-0.009 χ^2/NDF:3054800.5/58

All: 76.349+/-0.006 χ^2/NDF: 5262304.3/110

asym_sam7_dit_correction_mean vs Slug, Sign Corrected



Right In: -266.815+/-117.023 χ^2/NDF: 36.7/28

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

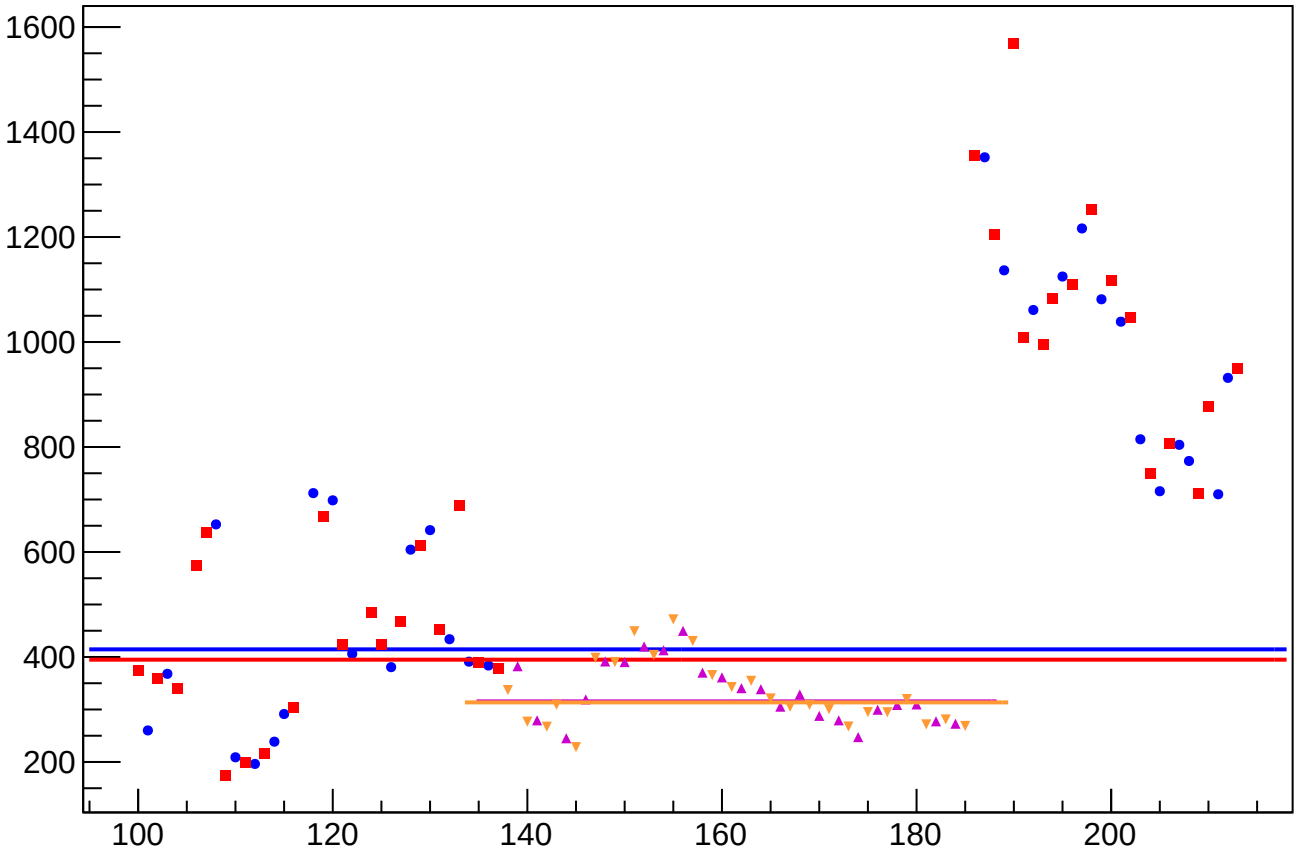
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 26.083+/-80.414 χ^2/NDF: 77.1/62

In: -44.498+/-63.083 χ^2/NDF:72.5/51

Out: -110.155+/-60.670 χ^2/NDF:103.9/58

All: -78.606+/-43.728 χ^2/NDF: 176.9/110



Right In: 414.539+/-0.083 χ^2/NDF: 9544258.3/28

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

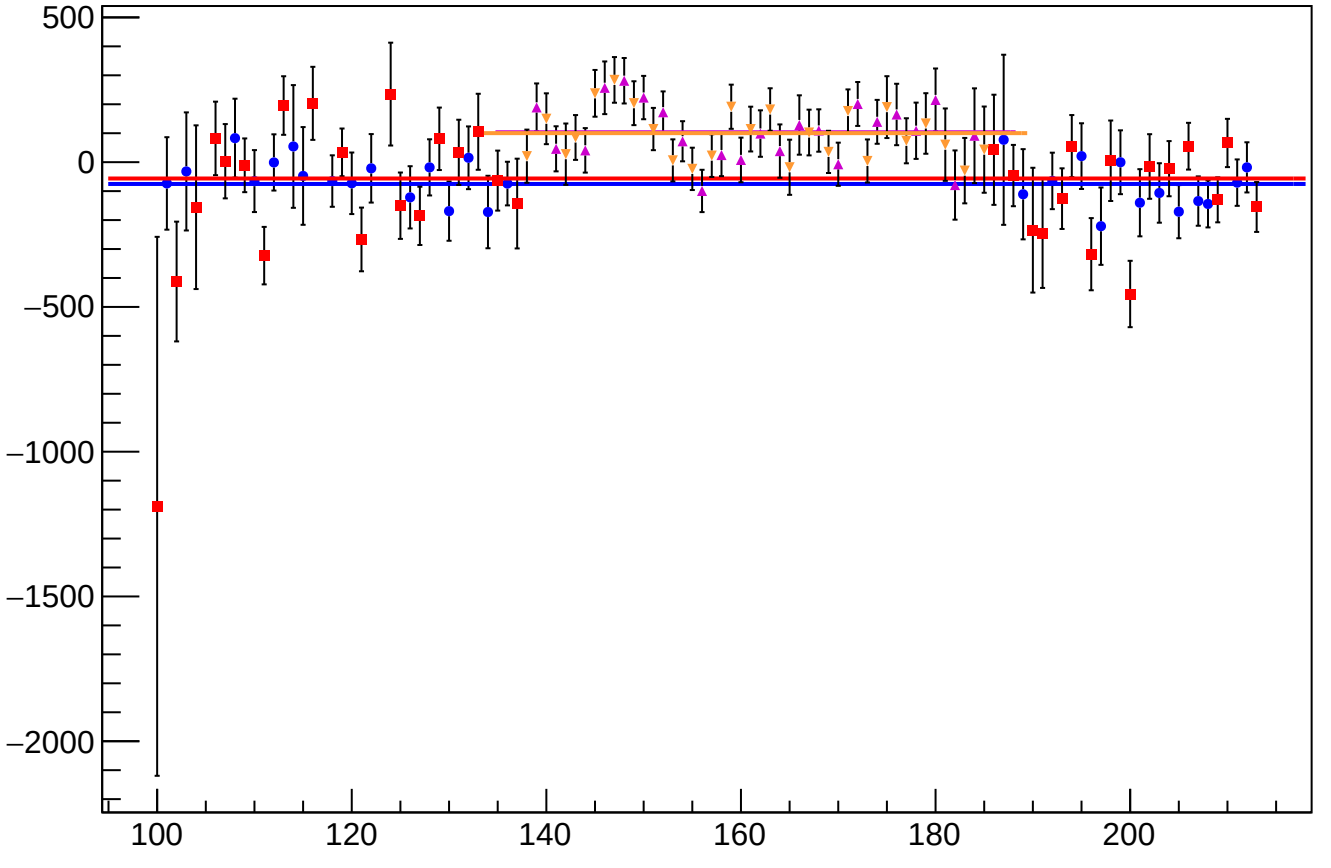
Right: 404.154+/-0.057 χ^2/NDF: 21793483.6/62

In: 344.248+/-0.045 χ^2/NDF:11569926.3/51

Out: 337.946+/-0.043 χ^2/NDF:14150934.9/58

All: 340.974+/-0.031 χ^2/NDF: 25731231.9/11

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -75.299+/-19.968 χ^2/NDF: 11.1/28

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

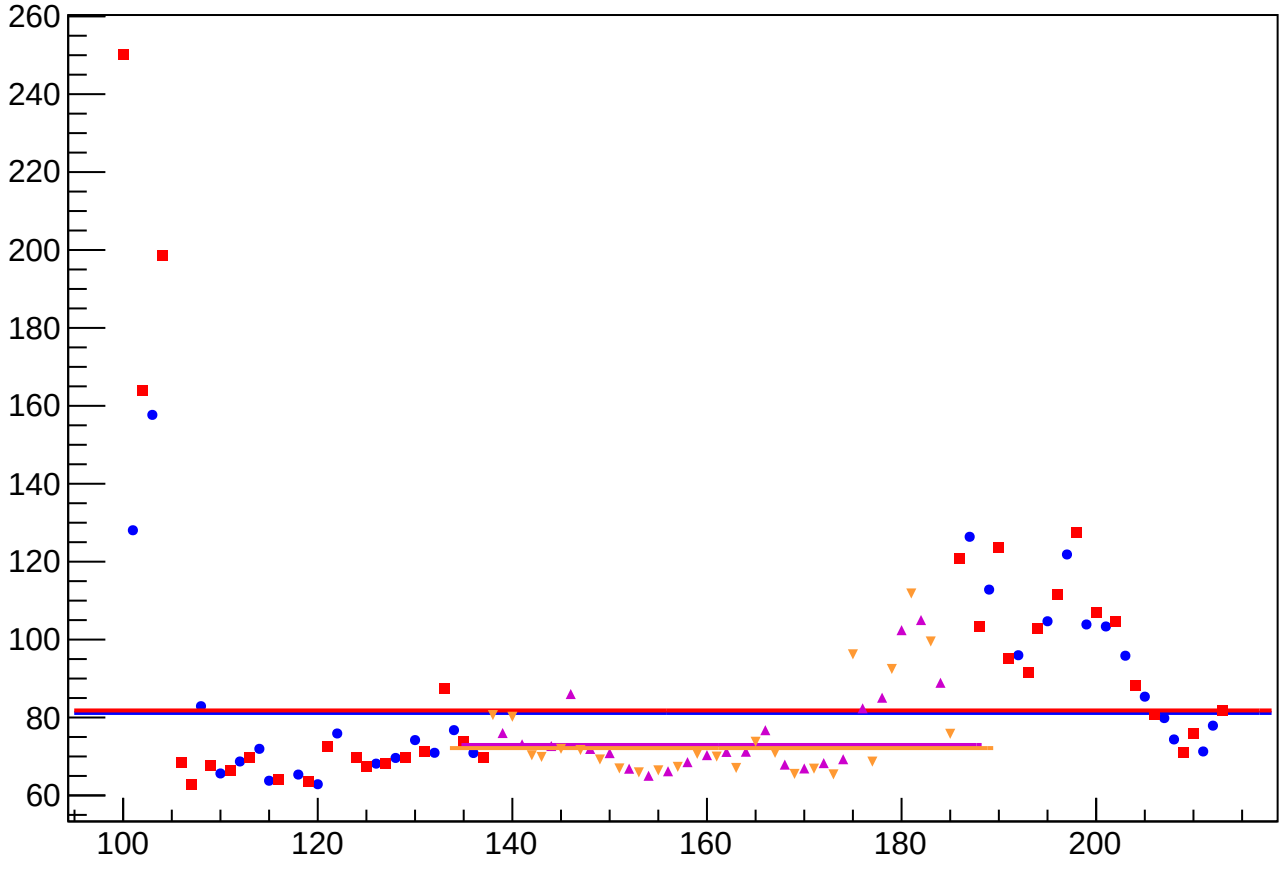
Right: -65.576+/-13.914 χ^2/NDF: 76.2/62

In: 26.955+/-13.058 χ^2/NDF:89.7/51

Out: 33.931+/-12.624 χ^2/NDF:129.9/58

All: 30.561+/-9.076 χ^2/NDF: 219.7/110

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 81.175+/-0.014 χ^2/NDF: 1503874.7/28

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

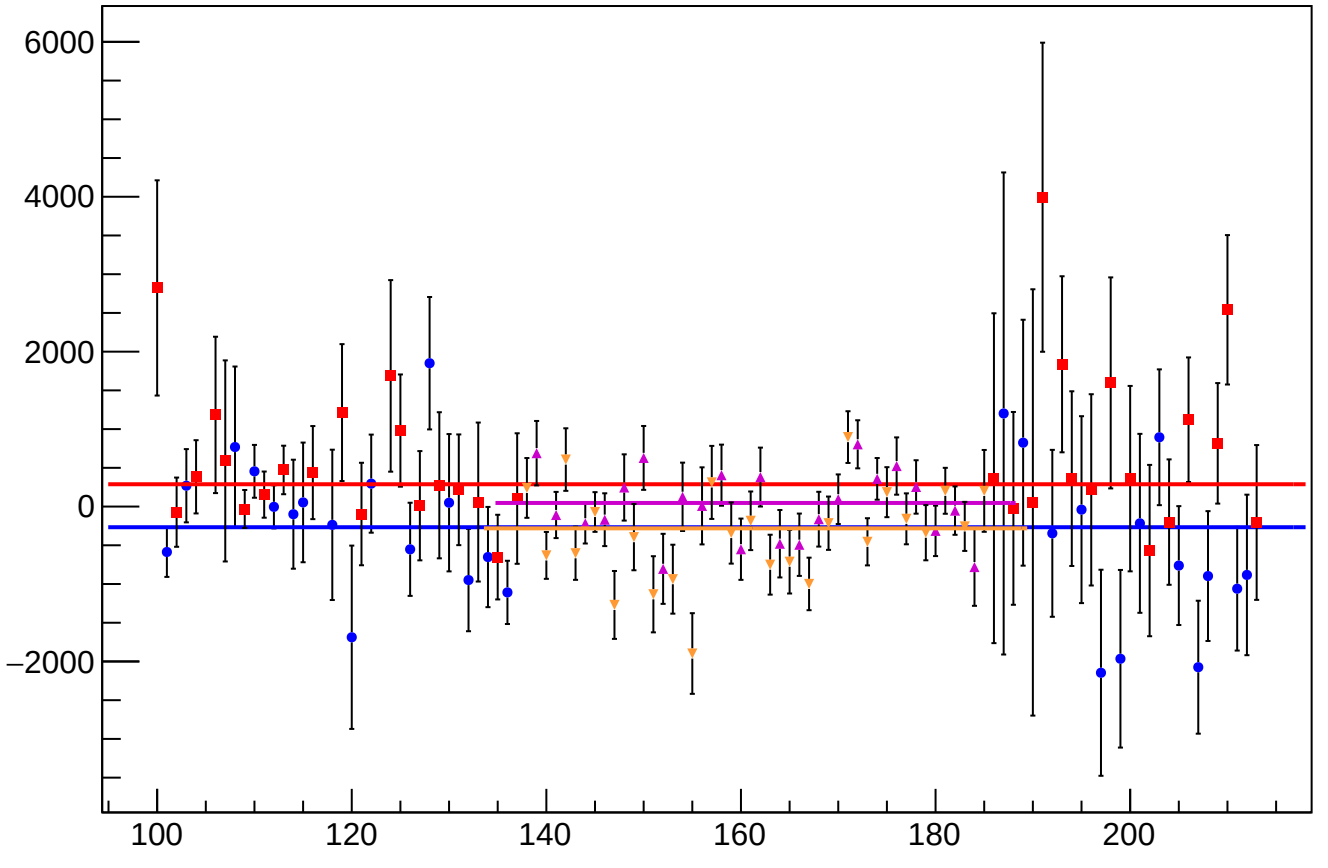
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 81.501+/-0.010 χ^2/NDF: 3631859.3/62

In: 76.466+/-0.009 χ^2/NDF:2207195.3/51

Out: 76.240+/-0.009 χ^2/NDF:3054794.5/58

All: 76.349+/-0.006 χ^2/NDF: 5262301.0/110



Right In: -266.812+/-117.023 χ^2/NDF: 36.7/28

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 288.118+/-110.686 χ^2/NDF: 28.5/33

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

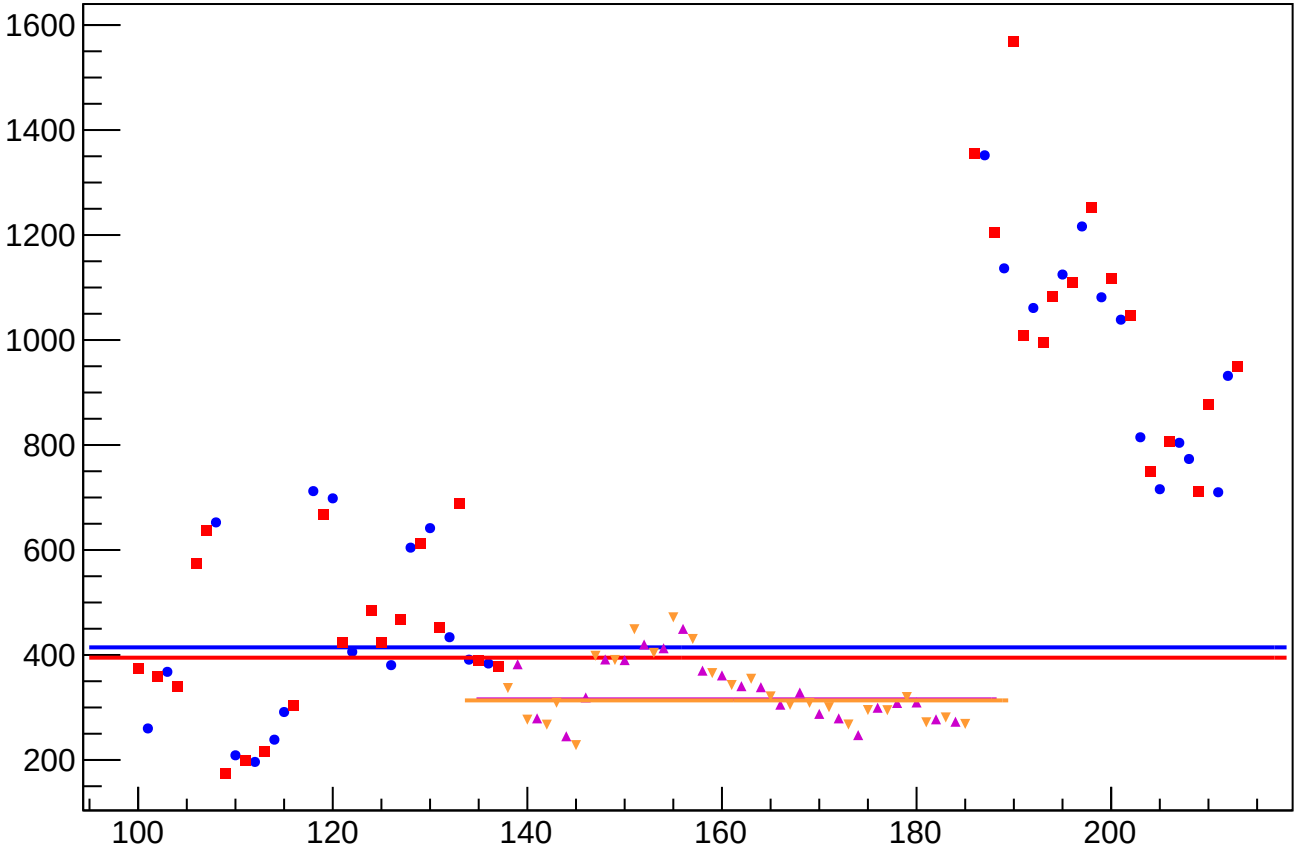
Right: 26.083+/-80.414 χ^2/NDF: 77.1/62

In: -44.498+/-63.083 χ^2/NDF:72.5/51

Out: -110.155+/-60.670 χ^2/NDF:103.9/58

All: -78.606+/-43.728 χ^2/NDF: 176.9/110

asym_sam7_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 414.536+/-0.083 χ^2/NDF: 9544361.4/28

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

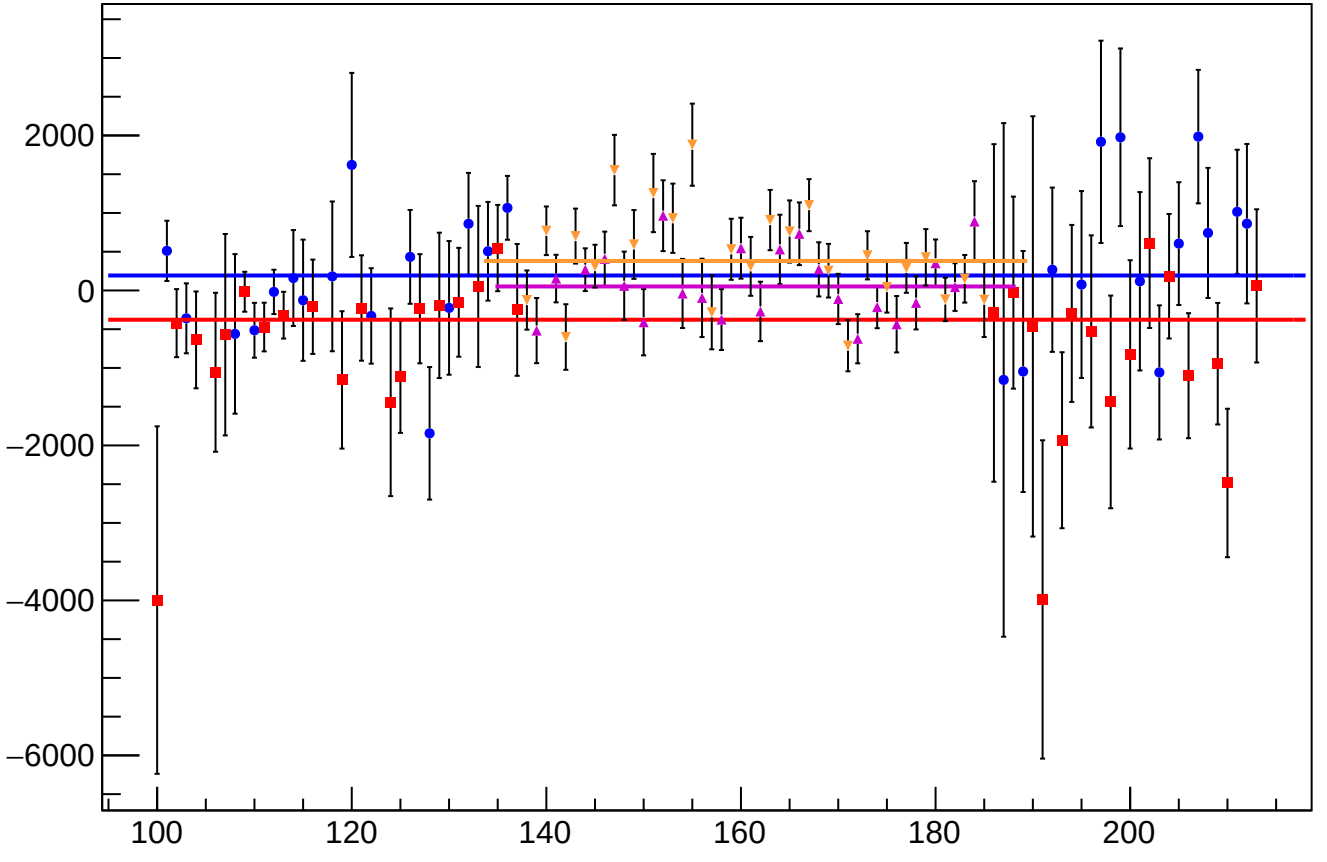
Right: 404.152+/-0.057 χ^2/NDF: 21793648.4/62

In: 344.248+/-0.045 χ^2/NDF:11569967.7/51

Out: 337.945+/-0.043 χ^2/NDF:14150970.7/58

All: 340.973+/-0.031 χ^2/NDF: 25731309.0/11

asym_sam7_mean vs Slug, Sign Corrected



Right In: 193.016+/-119.662 χ^2/NDF: 35.0/28

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

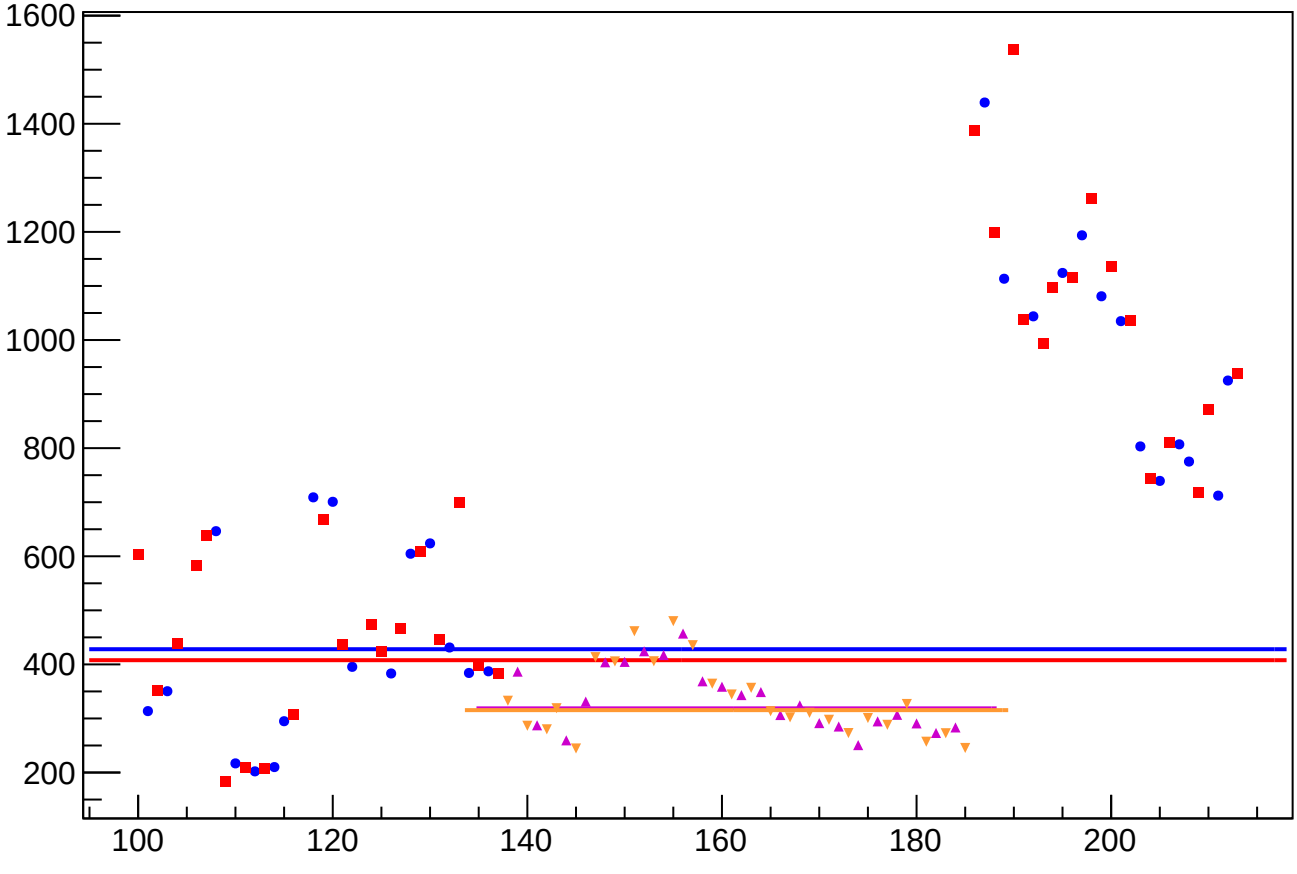
Right: -107.059+/-82.407 χ^2/NDF: 71.6/62

In: 91.875+/-63.931 χ^2/NDF:64.2/51

Out: 158.886+/-61.455 χ^2/NDF:111.6/58

All: 126.703+/-44.305 χ^2/NDF: 176.3/110

asym_sam7_rms vs Slug, Sign Corrected



Right In: 428.094+/-0.085 χ^2/NDF: 9037099.1/28

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

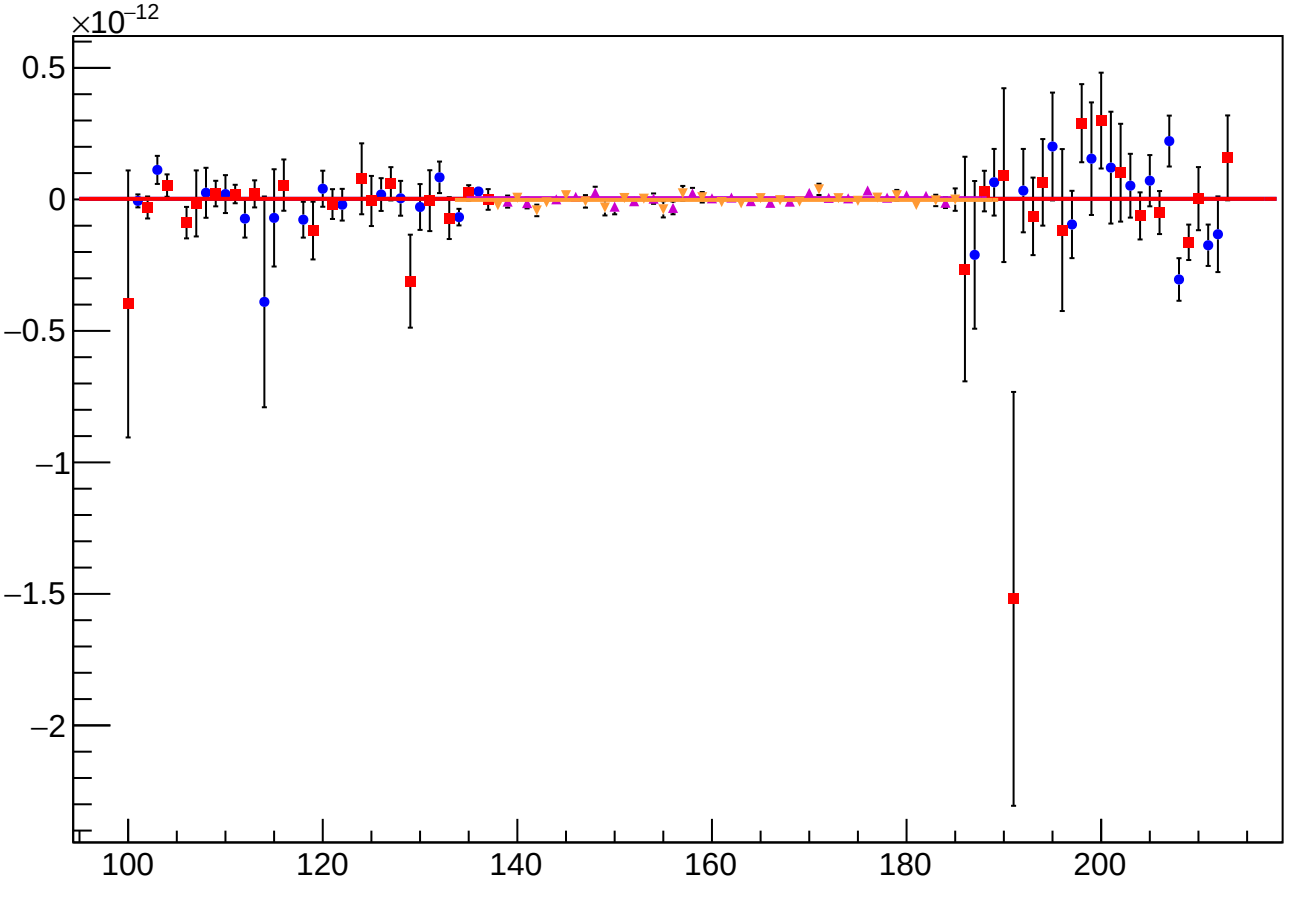
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 417.413+/-0.058 χ^2/NDF: 20967778.1/62

In: 349.917+/-0.045 χ^2/NDF:11223344.7/51

Out: 342.407+/-0.043 χ^2/NDF:14045541.8/58

All: 346.013+/-0.031 χ^2/NDF: 25283230.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 47.2/28

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

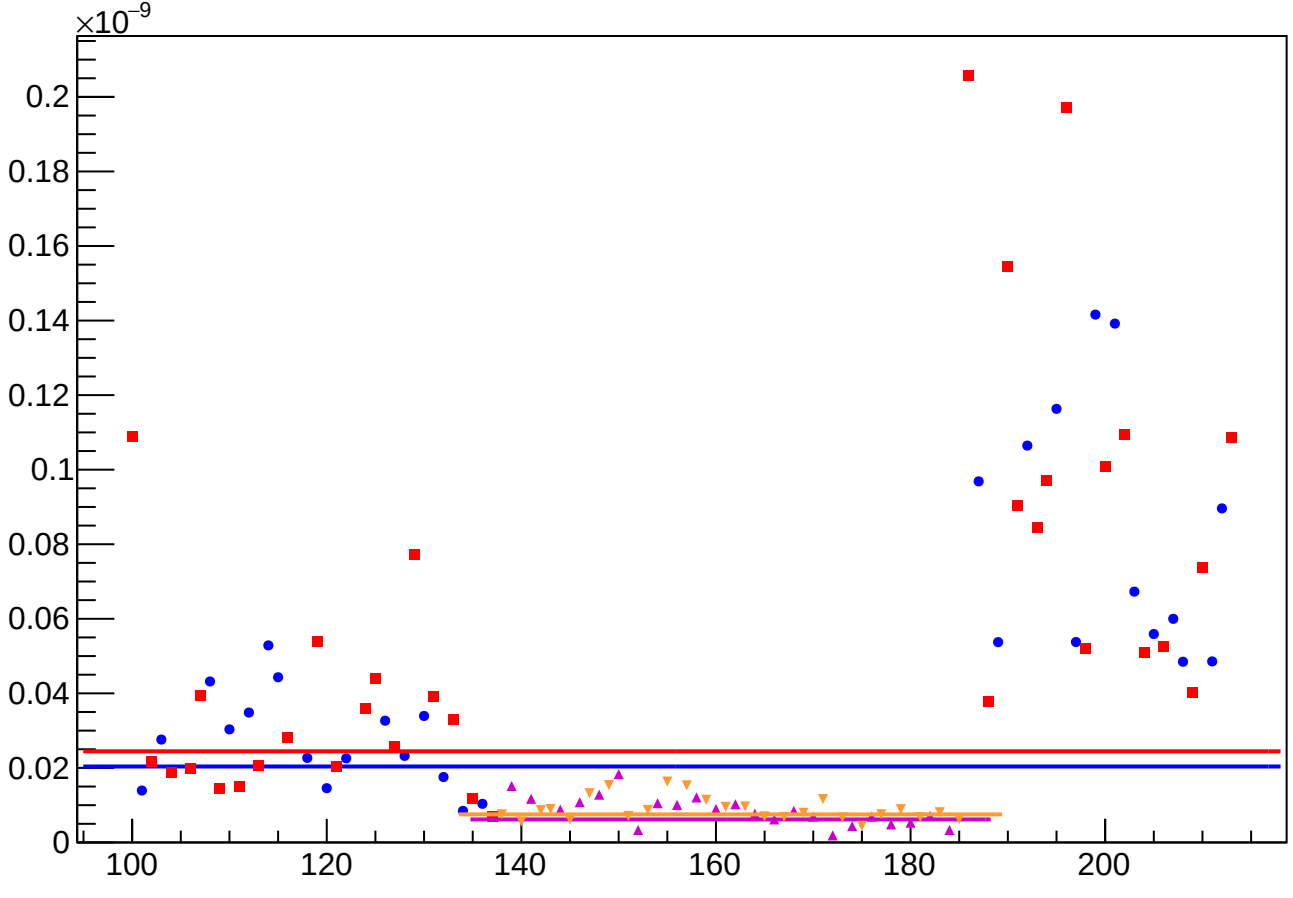
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 79.5/62

In: 0.000+/-0.000 χ^2/NDF:64.9/51

Out: -0.000+/-0.000 χ^2/NDF:51.4/58

All: 0.000+/-0.000 χ^2/NDF: 118.3/110



Right In: 0.000+/-0.000 χ^2/NDF: 6114680.5/28

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

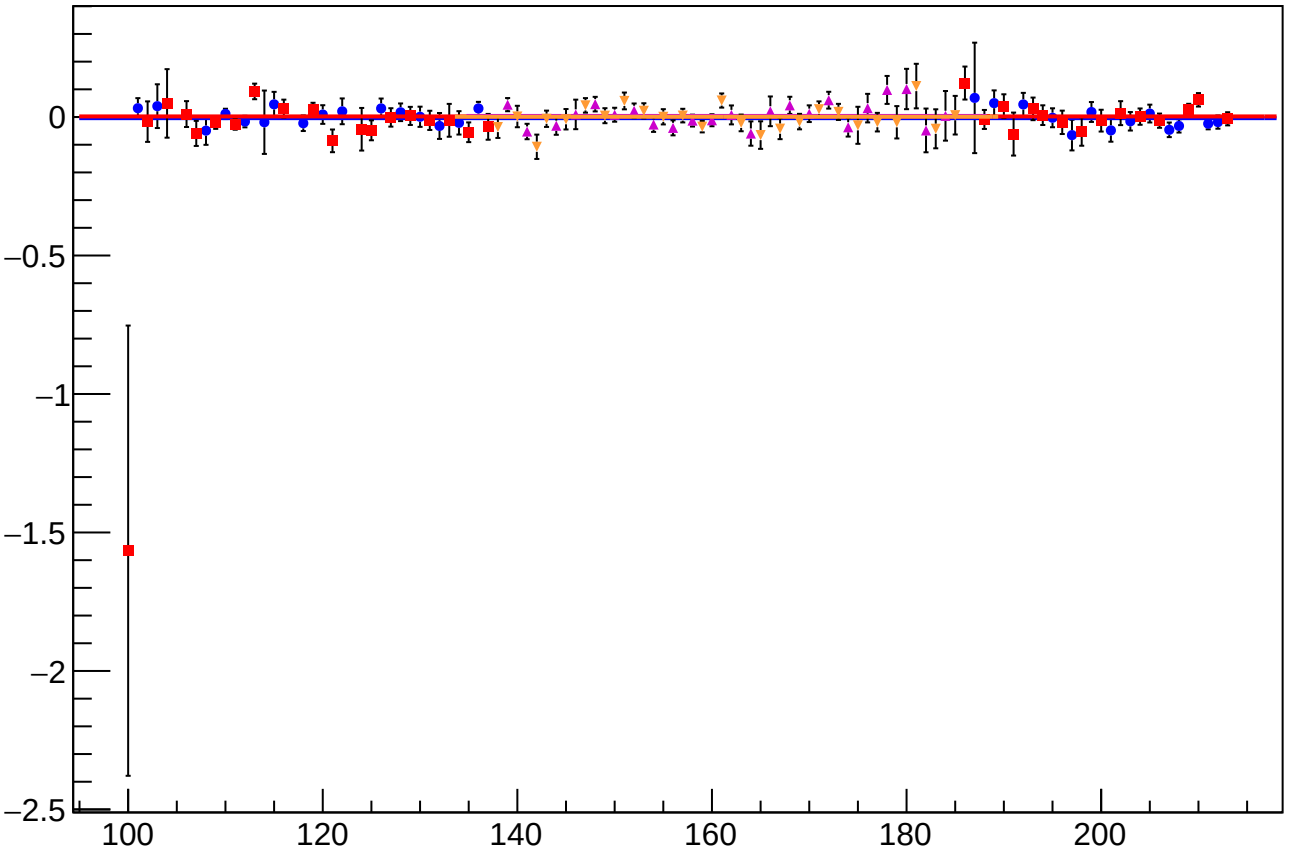
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12227215.3/62

In: 0.000+/-0.000 χ^2/NDF:12335682.7/51

Out: 0.000+/-0.000 χ^2/NDF:10952105.4/58

All: 0.000+/-0.000 χ^2/NDF: 23510389.6/110



Right In: -0.004+/-0.006 χ^2/NDF: 20.7/28

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

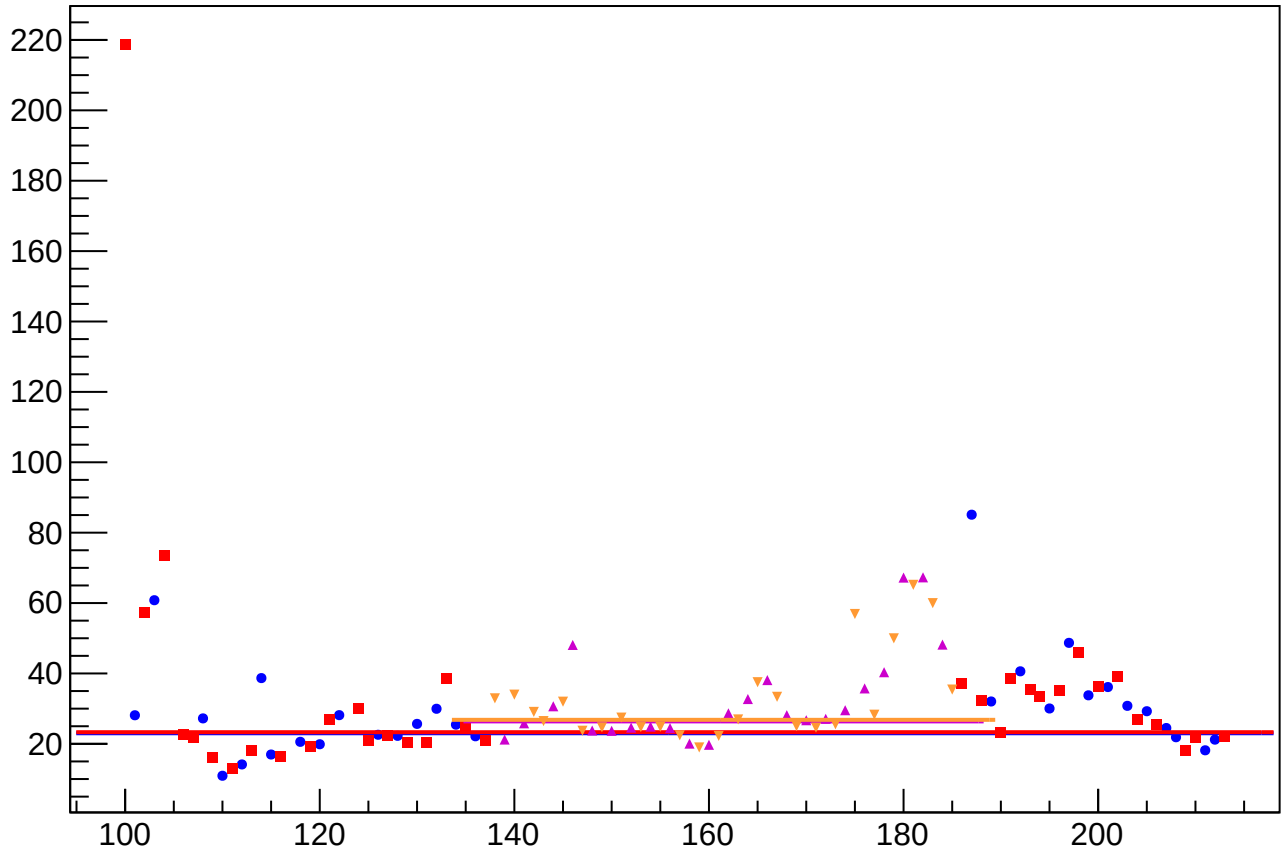
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: -0.001+/-0.004 χ^2/NDF: 68.4/62

In: -0.000+/-0.004 χ^2/NDF:52.6/51

Out: 0.002+/-0.004 χ^2/NDF:77.4/58

All: 0.001+/-0.003 χ^2/NDF: 130.1/110



Right In: 23.008+/-0.004 χ^2/NDF: 3759491.4/28

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

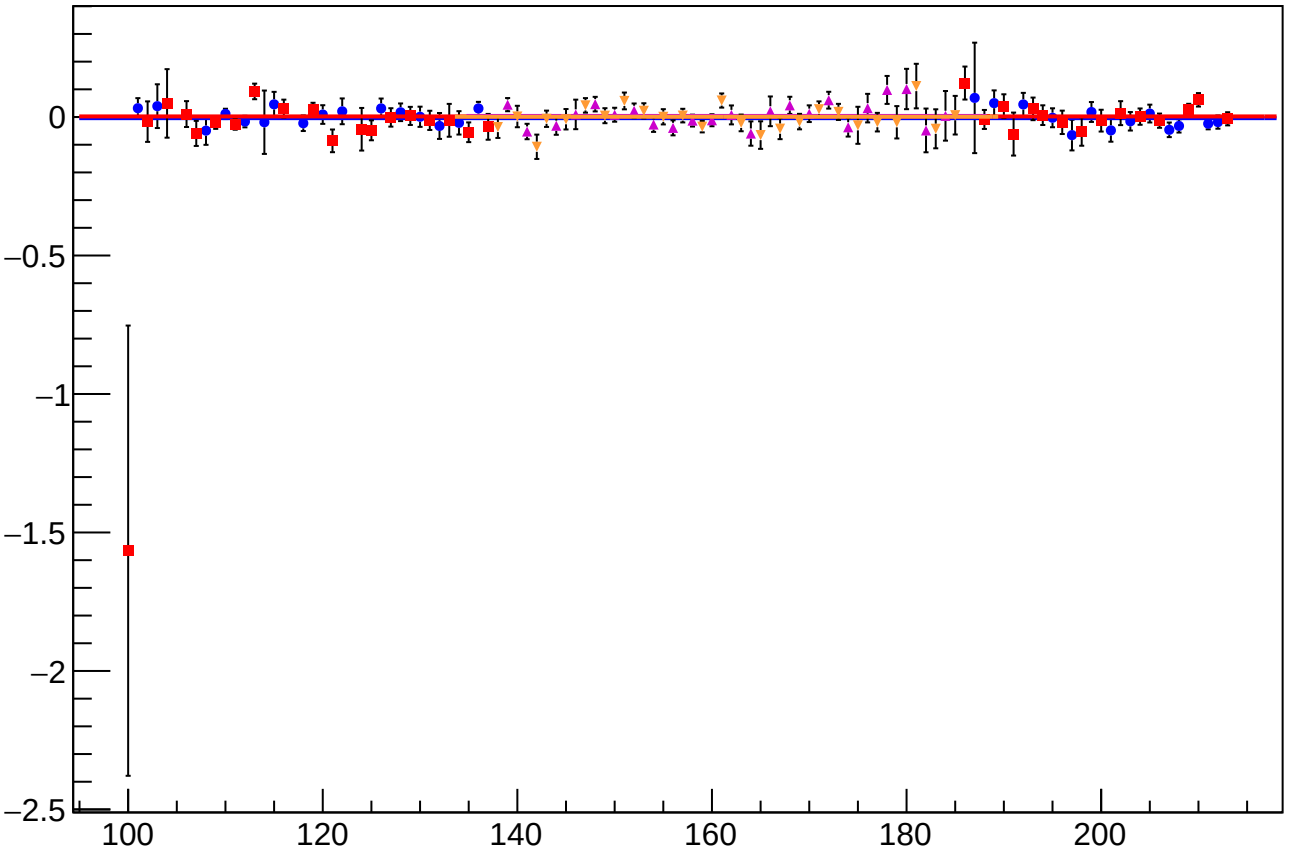
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.162+/-0.003 χ^2/NDF: 7720868.6/62

In: 24.531+/-0.003 χ^2/NDF:6611043.9/51

Out: 24.879+/-0.003 χ^2/NDF:6751911.2/58

All: 24.709+/-0.002 χ^2/NDF: 13369244.0/110



Right In: -0.004+/-0.006 χ^2/NDF: 20.7/28

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

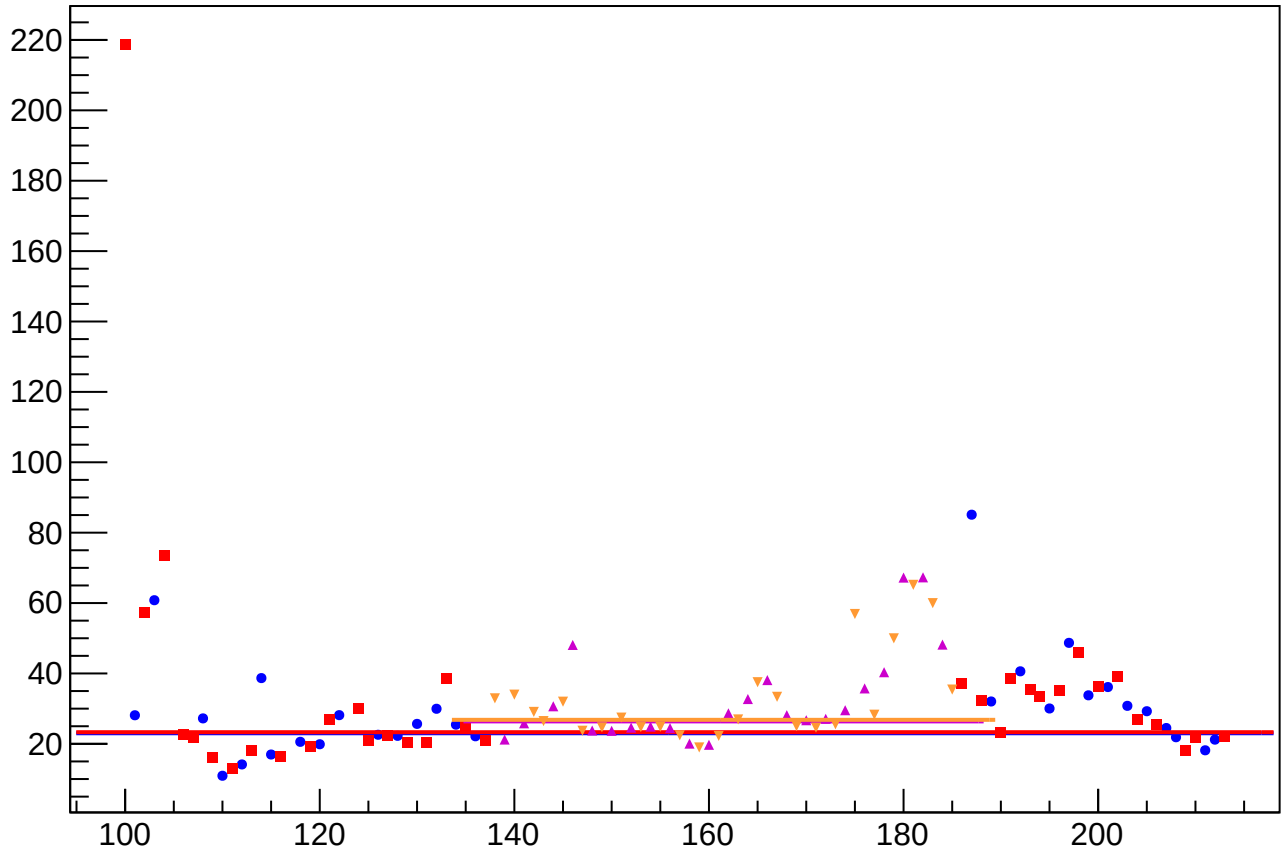
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: -0.001+/-0.004 χ^2/NDF: 68.4/62

In: -0.000+/-0.004 χ^2/NDF:52.6/51

Out: 0.002+/-0.004 χ^2/NDF:77.4/58

All: 0.001+/-0.003 χ^2/NDF: 130.1/110



Right In: 23.008+/-0.004 χ^2/NDF: 3759491.4/28

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

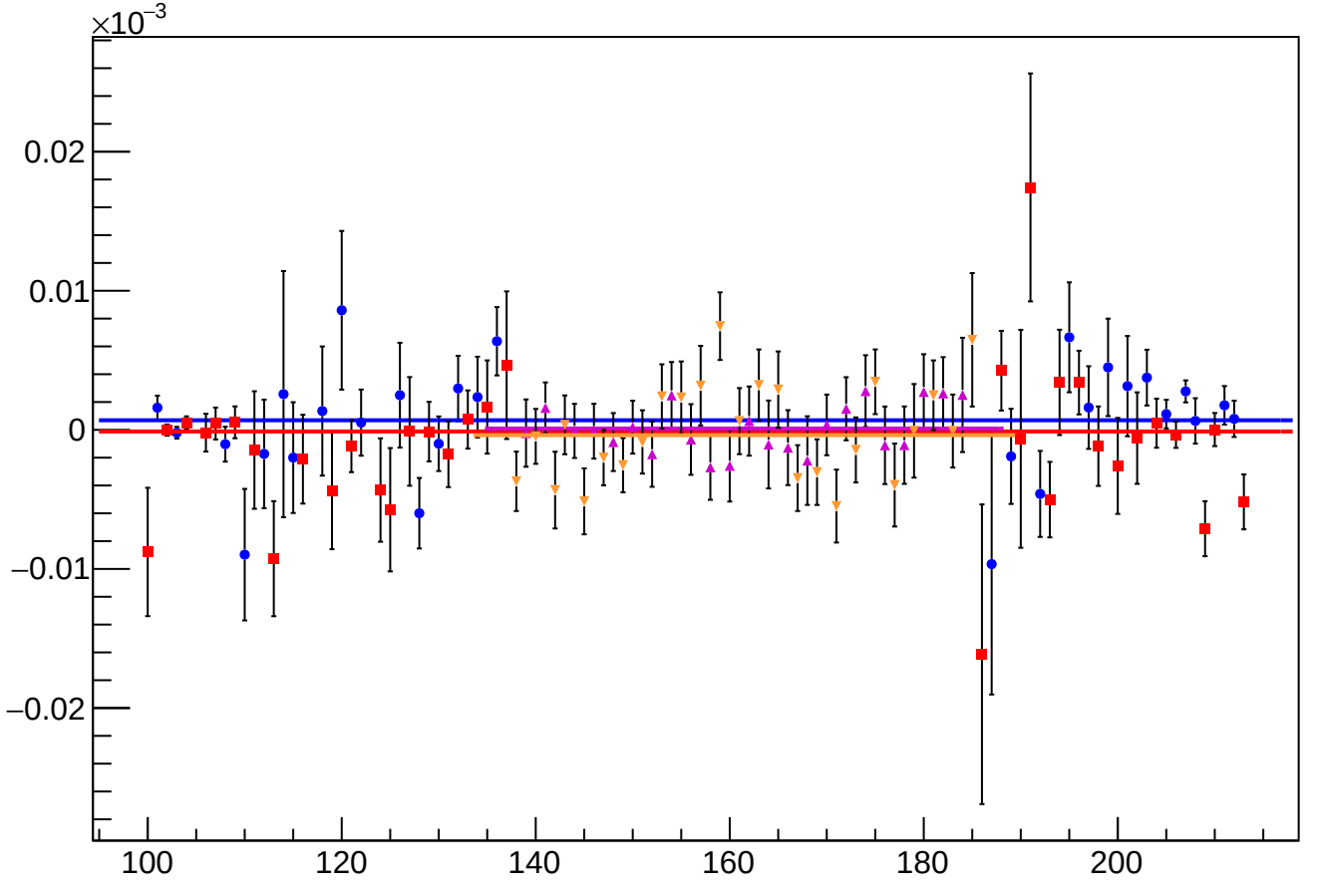
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.162+/-0.003 χ^2/NDF: 7720868.6/62

In: 24.531+/-0.003 χ^2/NDF:6611043.9/51

Out: 24.879+/-0.003 χ^2/NDF:6751911.2/58

All: 24.709+/-0.002 χ^2/NDF: 13369244.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 47.8/28

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

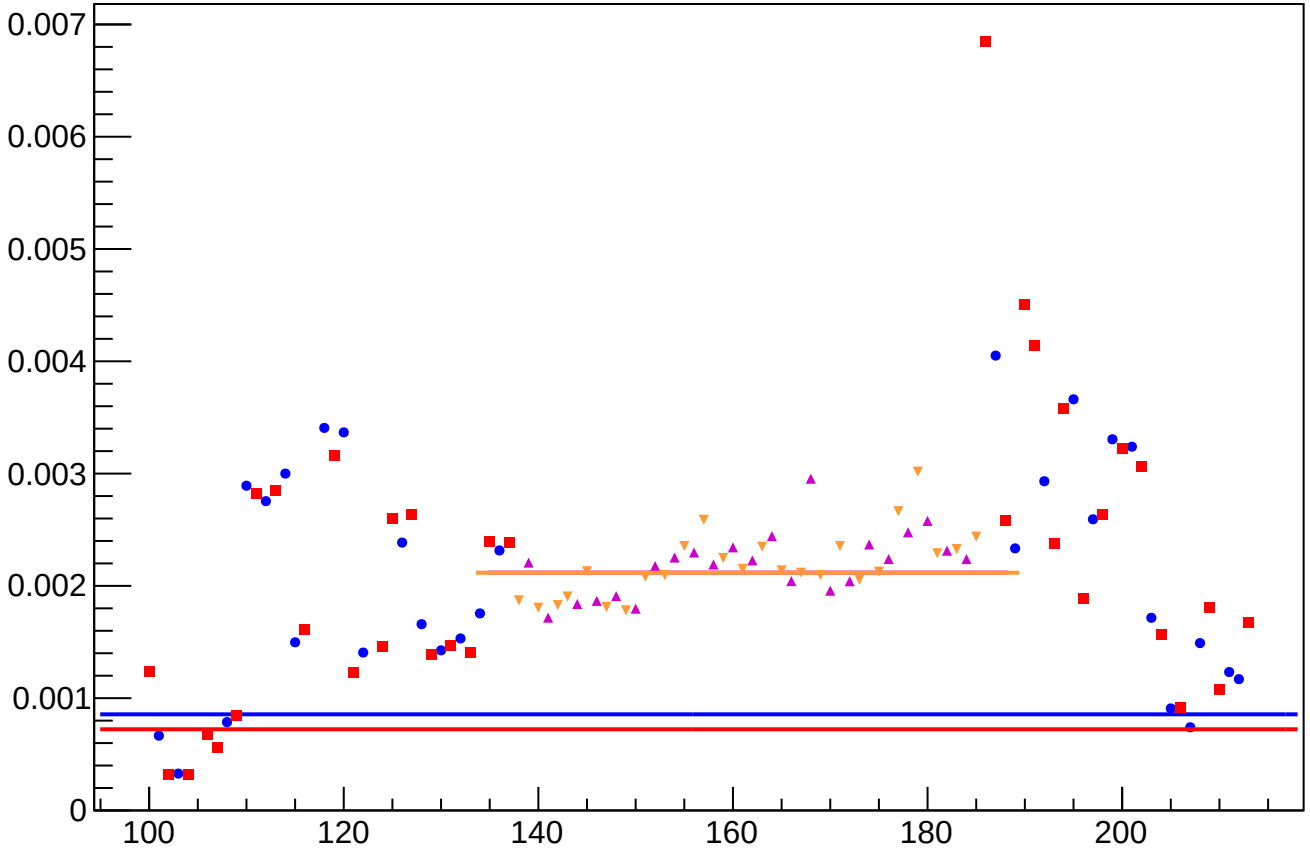
Right: 0.000+/-0.000 χ^2/NDF: 106.0/62

In: 0.000+/-0.000 χ^2/NDF:59.1/51

Out: -0.000+/-0.000 χ^2/NDF:96.4/58

All: 0.000+/-0.000 χ^2/NDF: 160.7/110

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 13140307.5/28

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

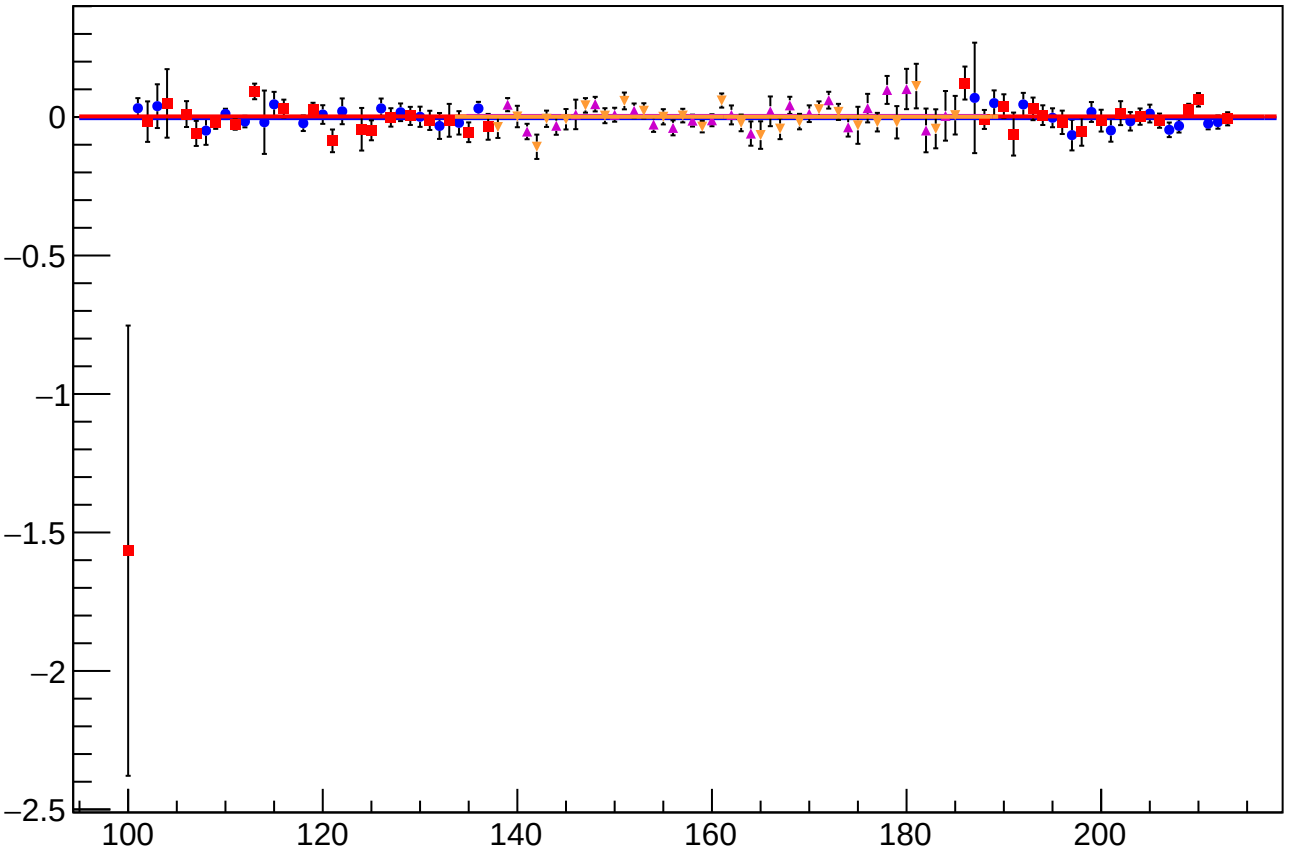
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 30730936.6/62

In: 0.001+/-0.000 χ^2/NDF:23604679.3/51

Out: 0.001+/-0.000 χ^2/NDF:31237280.5/58

All: 0.001+/-0.000 χ^2/NDF: 55316655.0/110



Right In: -0.004+/-0.006 χ^2/NDF: 20.7/28

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

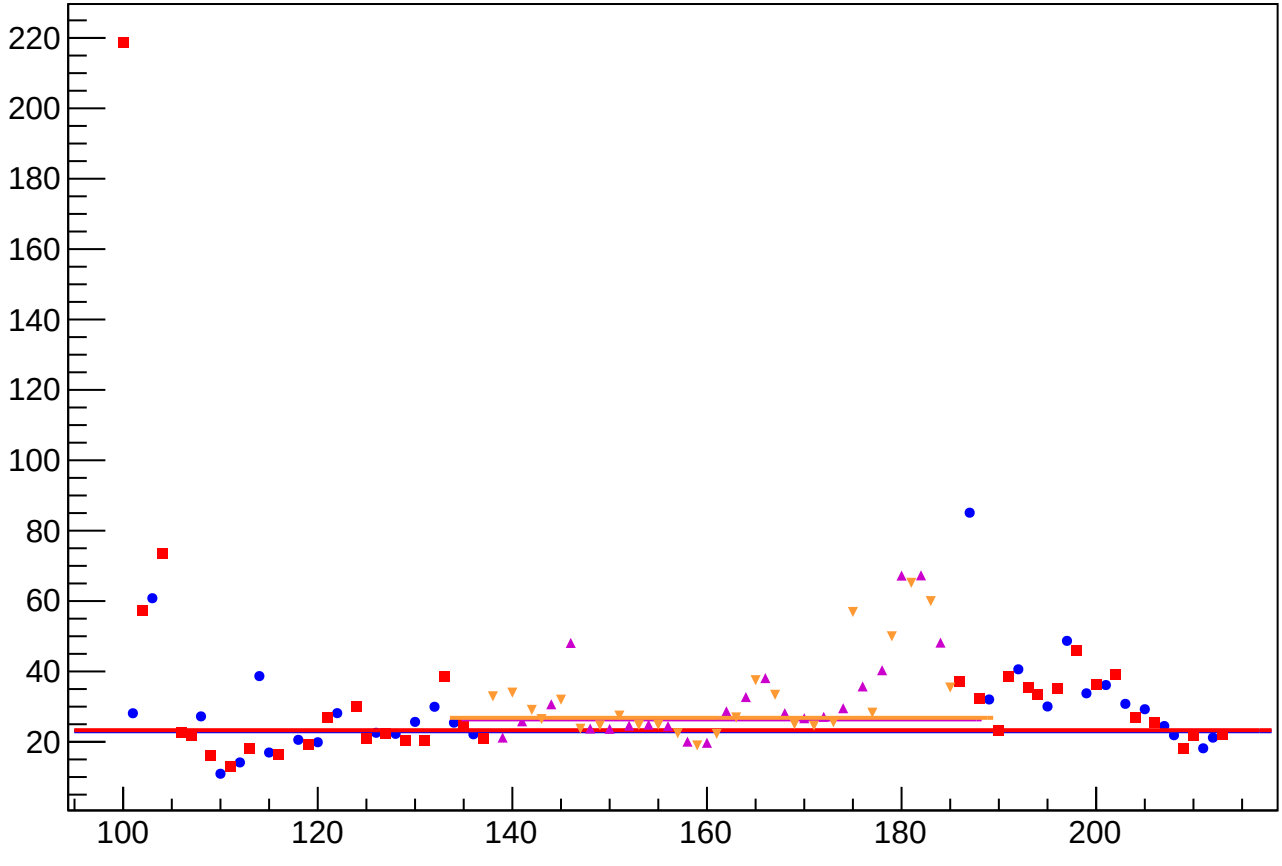
Right: -0.001+/-0.004 χ^2/NDF: 68.4/62

In: -0.000+/-0.004 χ^2/NDF:52.6/51

Out: 0.002+/-0.004 χ^2/NDF:77.4/58

All: 0.001+/-0.003 χ^2/NDF: 130.1/110

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.008+/-0.004 χ^2/NDF: 3759238.1/28

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

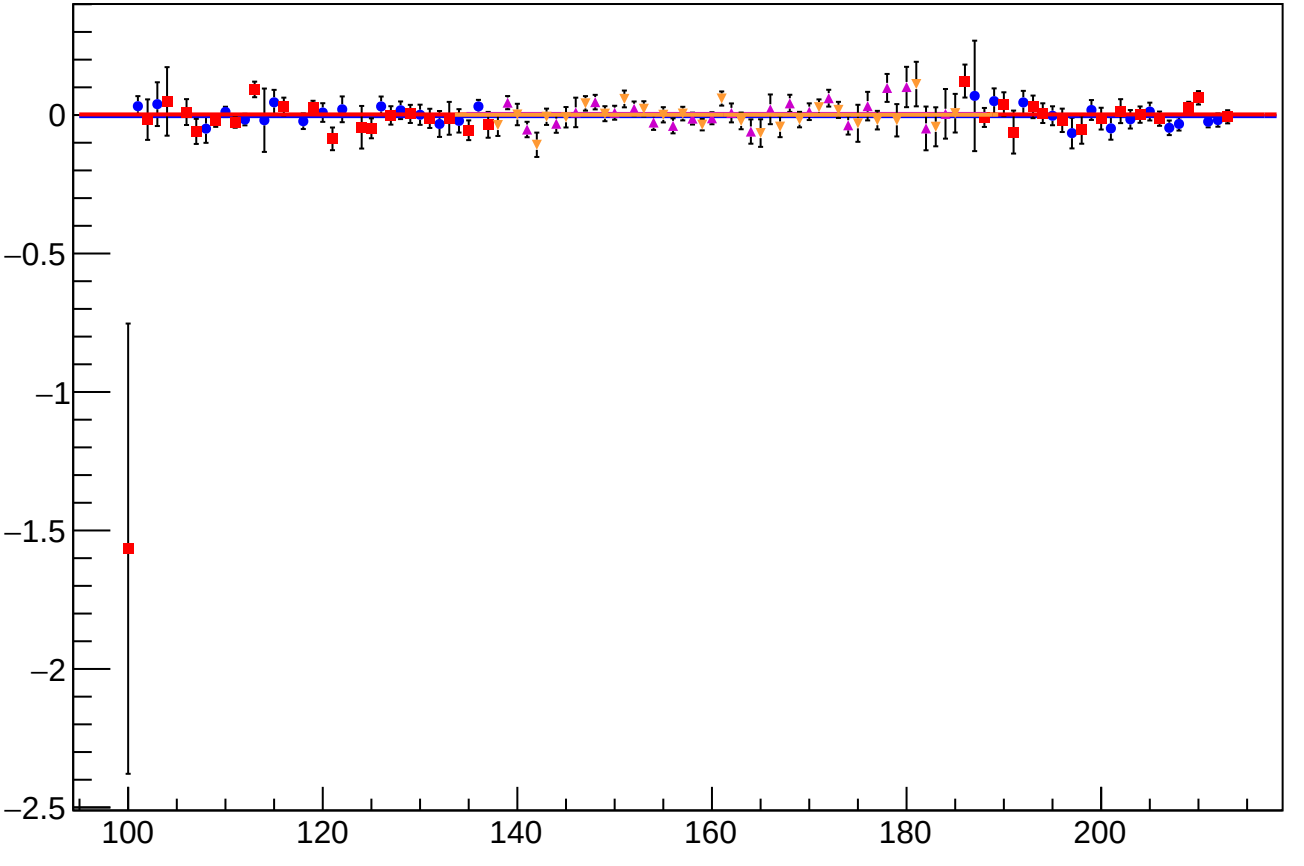
Right: 23.162+/-0.003 χ^2/NDF: 7720399.4/62

In: 24.531+/-0.003 χ^2/NDF:6610804.5/51

Out: 24.879+/-0.003 χ^2/NDF:6751732.3/58

All: 24.709+/-0.002 χ^2/NDF: 13368821.0/110

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.006 χ^2/NDF: 20.7/28

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

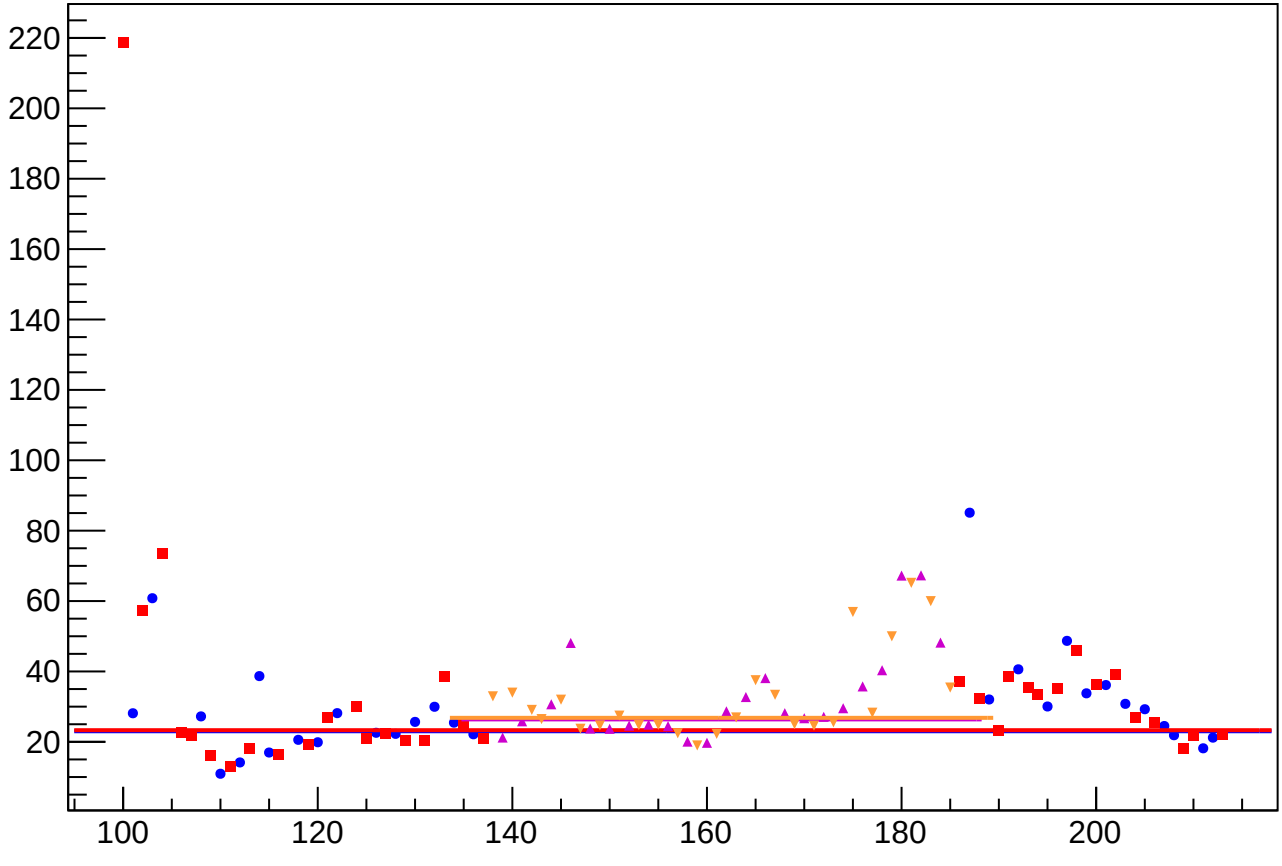
Right: -0.001+/-0.004 χ^2/NDF: 68.4/62

In: -0.000+/-0.004 χ^2/NDF:52.6/51

Out: 0.002+/-0.004 χ^2/NDF:77.4/58

All: 0.001+/-0.003 χ^2/NDF: 130.1/110

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.008+/-0.004 χ^2/NDF: 3759238.1/28

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

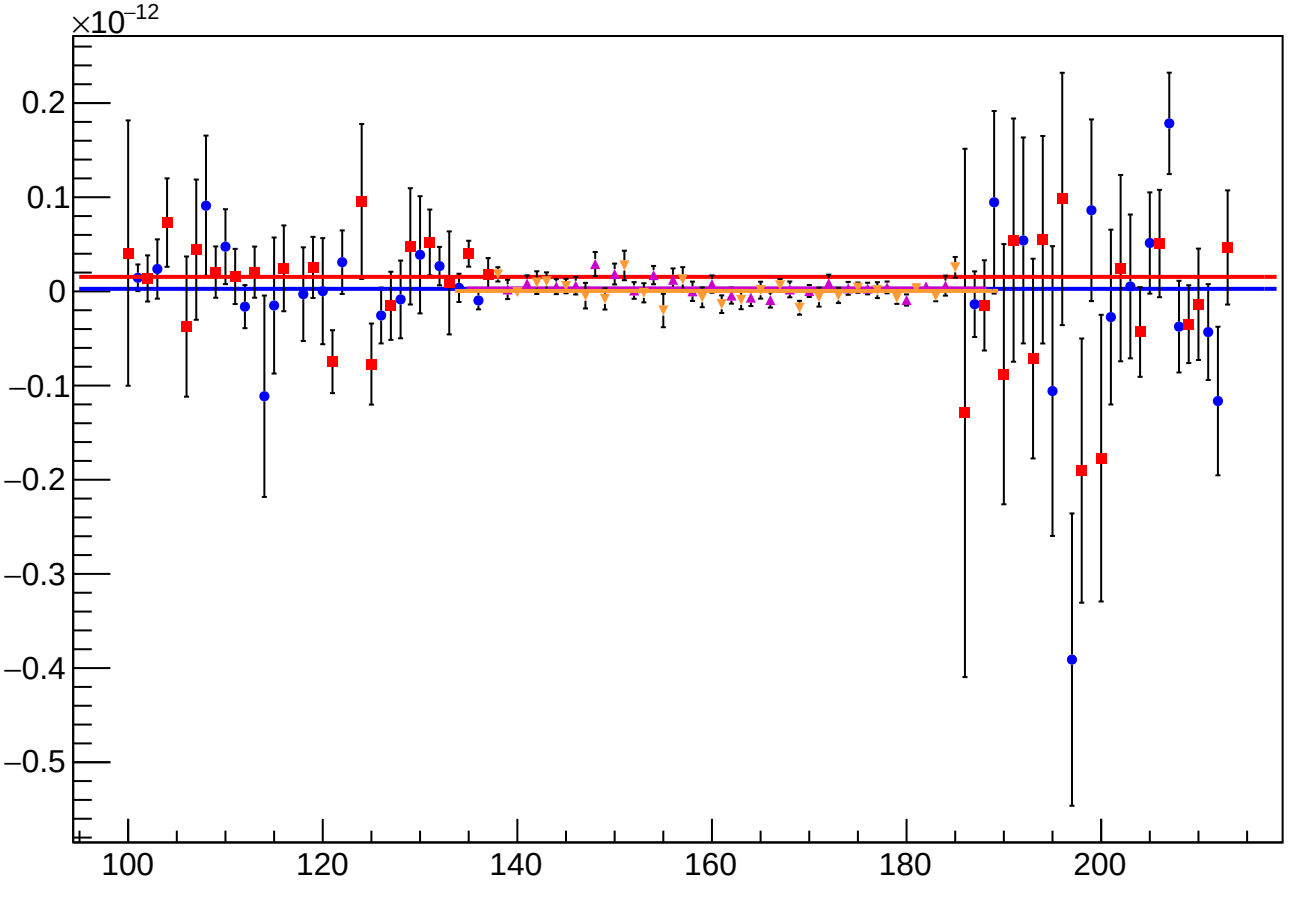
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.162+/-0.003 χ^2/NDF: 7720399.4/62

In: 24.531+/-0.003 χ^2/NDF:6610804.5/51

Out: 24.879+/-0.003 χ^2/NDF:6751732.3/58

All: 24.709+/-0.002 χ^2/NDF: 13368821.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 35.2/28

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

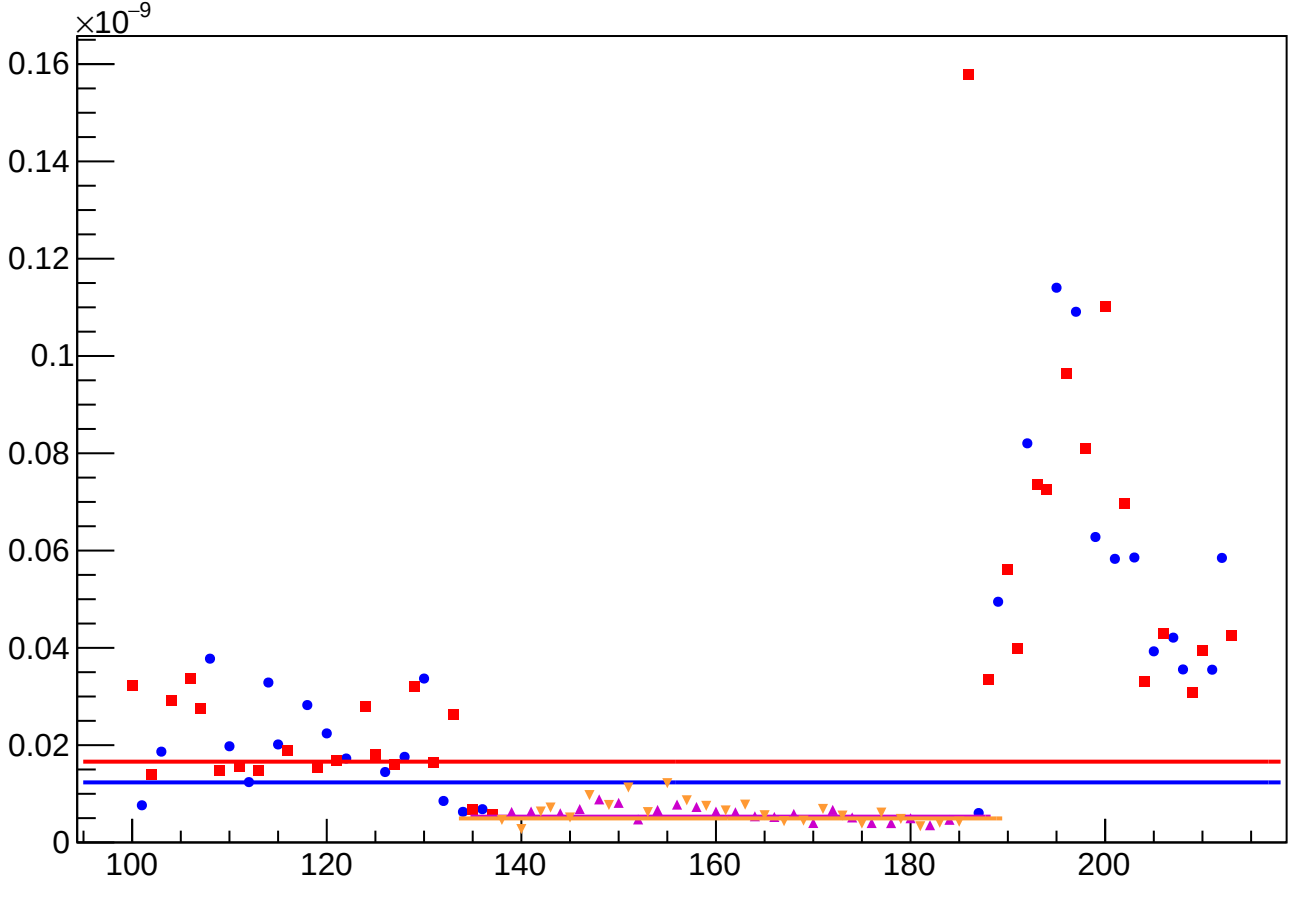
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 68.1/62

In: 0.000+/-0.000 χ^2/NDF:54.3/51

Out: 0.000+/-0.000 χ^2/NDF:68.1/58

All: 0.000+/-0.000 χ^2/NDF: 123.1/110



Right In: 0.000+/-0.000 χ^2/NDF: 9626137.4/28

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

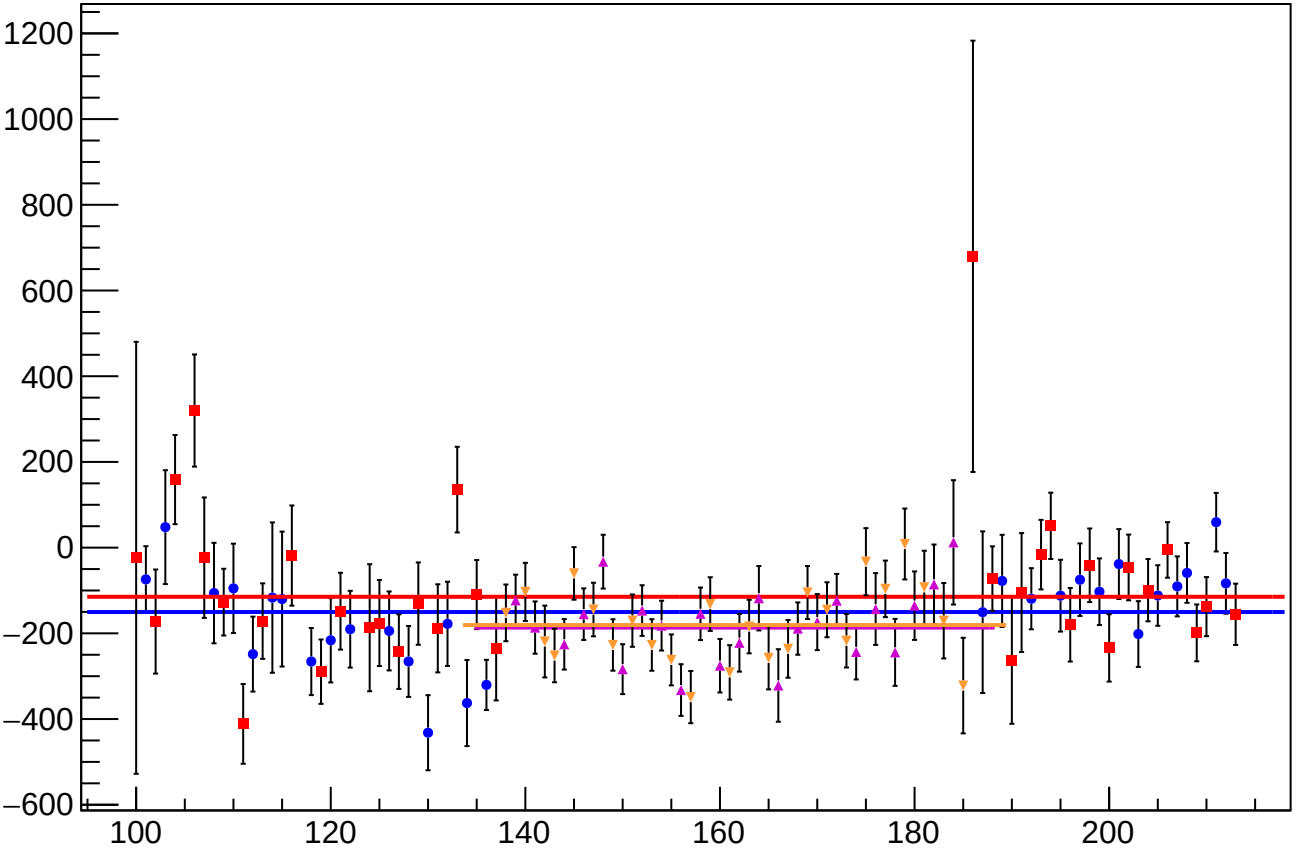
Right: 0.000+/-0.000 χ^2/NDF: 18612991.6/62

In: 0.000+/-0.000 χ^2/NDF:13937894.6/51

Out: 0.000+/-0.000 χ^2/NDF:17152648.3/58

All: 0.000+/-0.000 χ^2/NDF: 31139547.9/110

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -150.258+/-15.866 χ^2/NDF: 50.6/28

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

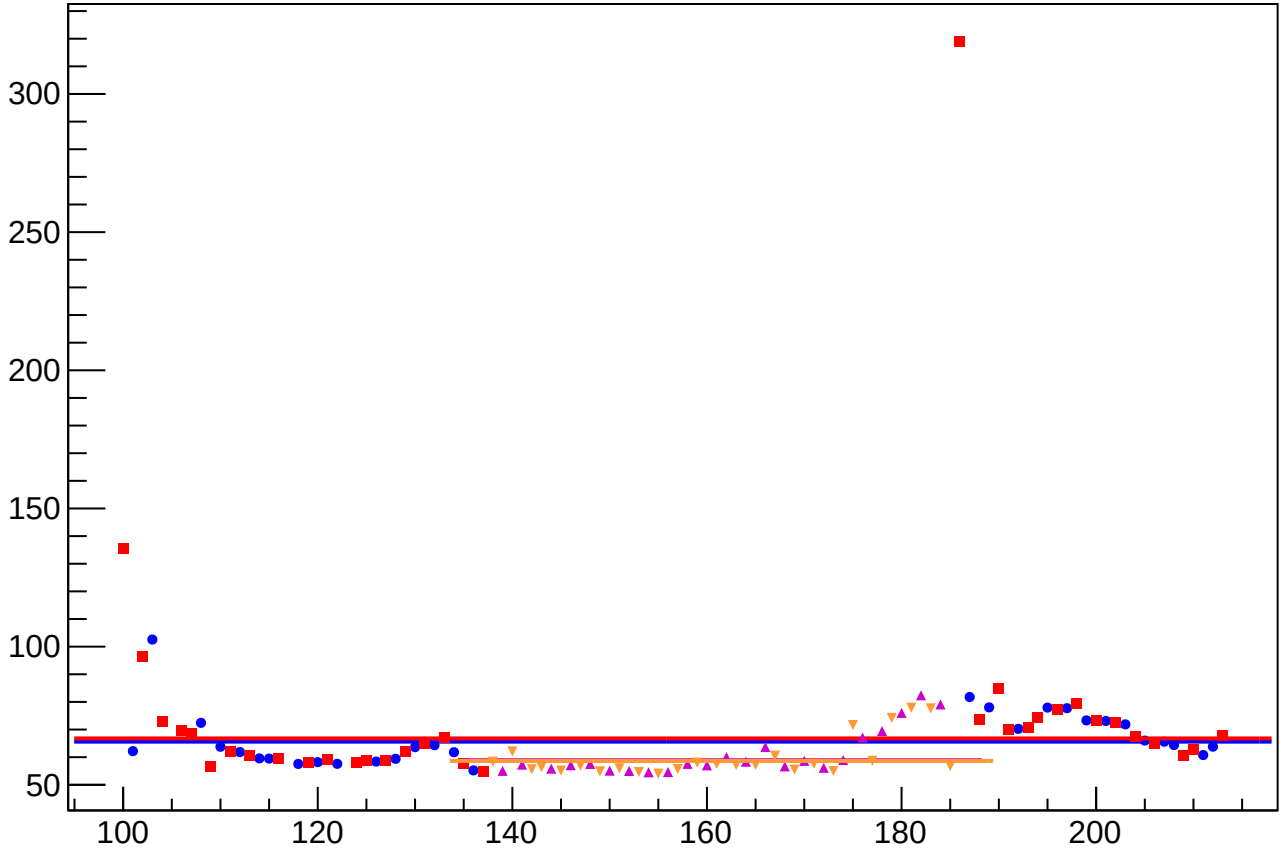
Right: -132.145+/-11.116 χ^2/NDF: 118.4/62

In: -170.852+/-10.438 χ^2/NDF:82.6/51

Out: -152.572+/-10.167 χ^2/NDF:114.1/58

All: -161.471+/-7.283 χ^2/NDF: 198.3/110

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.626+/-0.011 χ^2/NDF: 510152.6/28

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

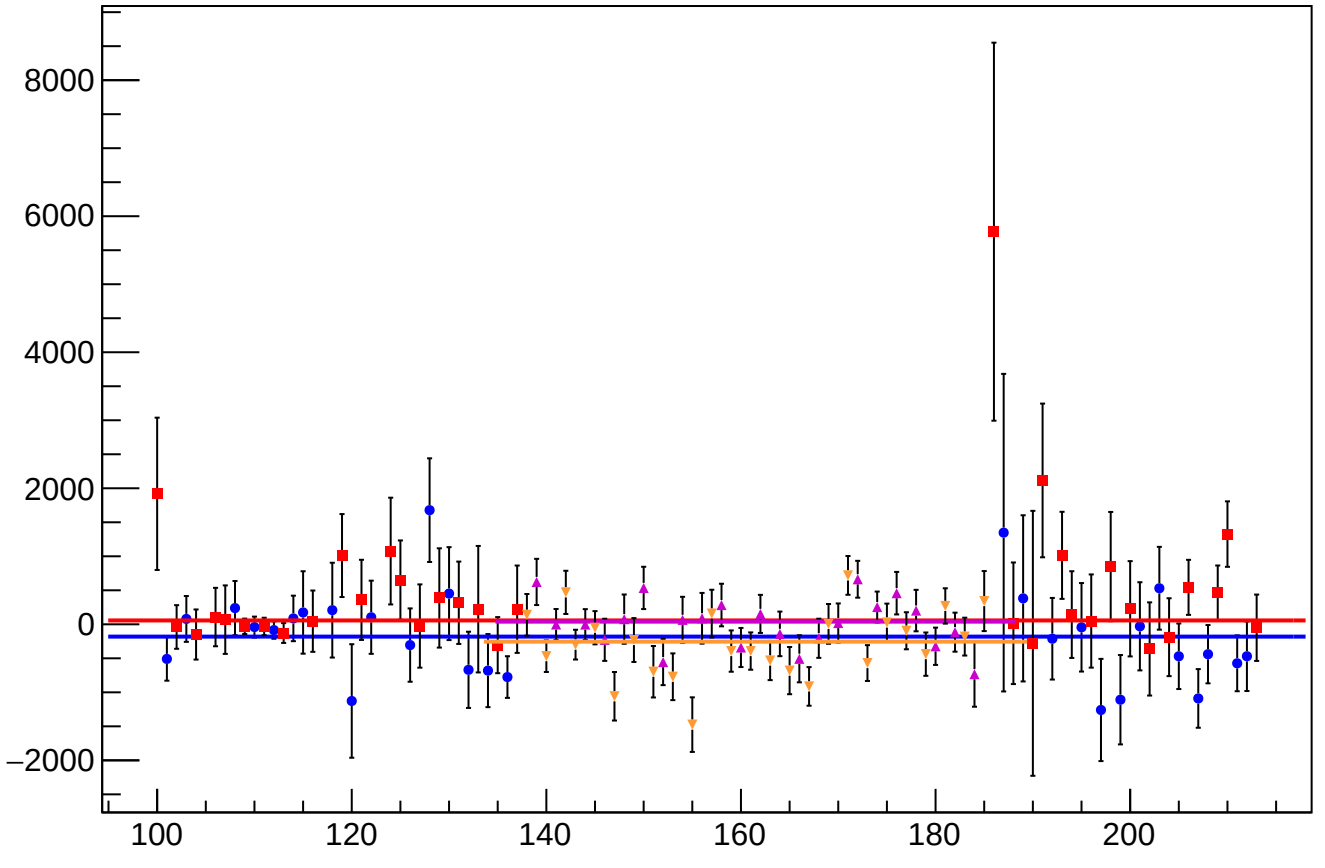
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.217+/-0.008 χ^2/NDF: 1562589.6/62

In: 61.815+/-0.007 χ^2/NDF:1100487.9/51

Out: 62.113+/-0.007 χ^2/NDF:1754611.3/58

All: 61.968+/-0.005 χ^2/NDF: 2855934.0/110



Right In: -180.776+/-68.646 χ^2/NDF: 31.8/28

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

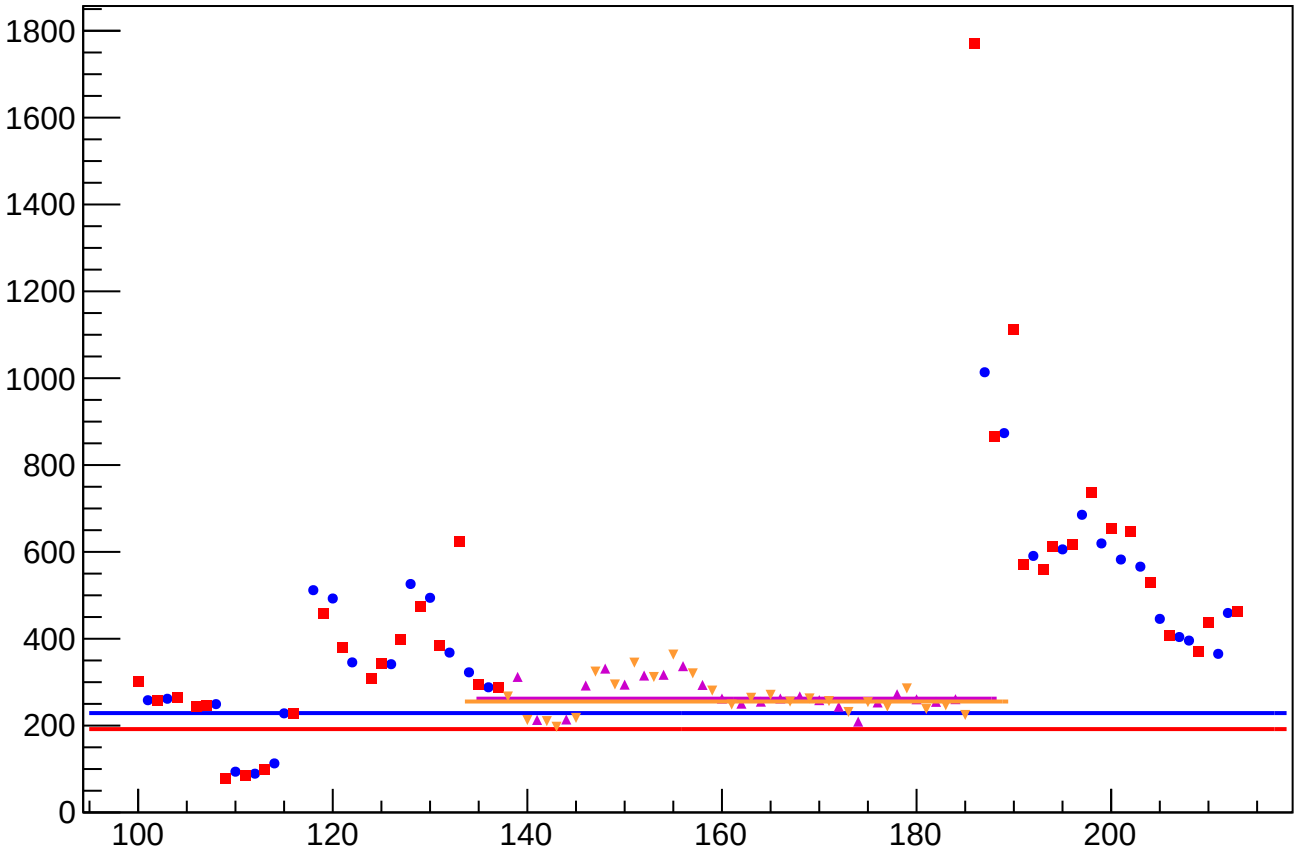
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -44.757+/-44.908 χ^2/NDF: 72.1/62

In: -59.451+/-45.963 χ^2/NDF:65.8/51

Out: -100.127+/-41.808 χ^2/NDF:105.0/58

All: -81.710+/-30.928 χ^2/NDF: 171.3/110



Right In: 228.820+/-0.049 χ^2/NDF: 12307790.0/28

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

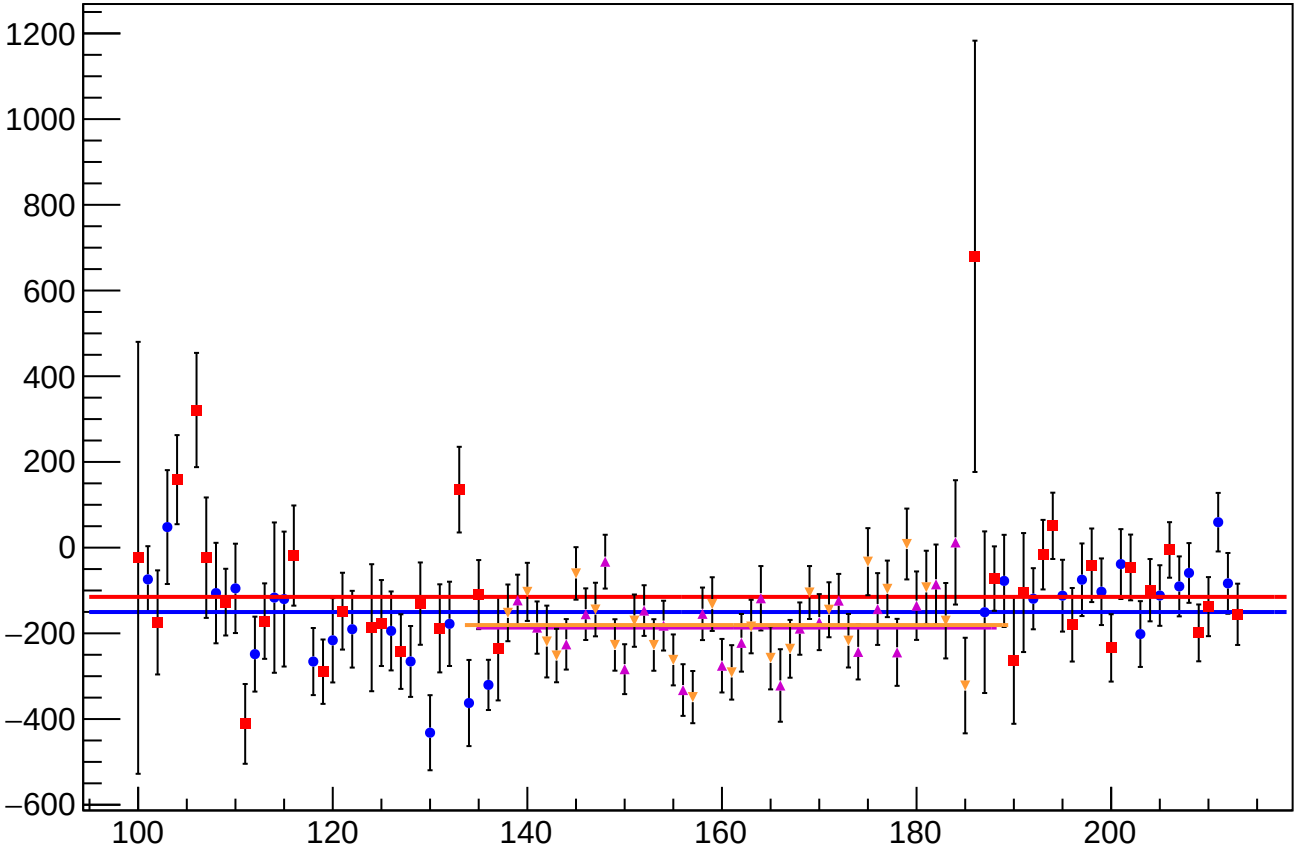
Right: 207.734+/-0.032 χ^2/NDF: 29346692.8/62

In: 247.128+/-0.033 χ^2/NDF:13236250.7/51

Out: 223.982+/-0.030 χ^2/NDF:18726681.8/58

All: 234.462+/-0.022 χ^2/NDF: 32240489.8/1

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -150.258+/-15.866 χ^2/NDF: 50.6/28

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

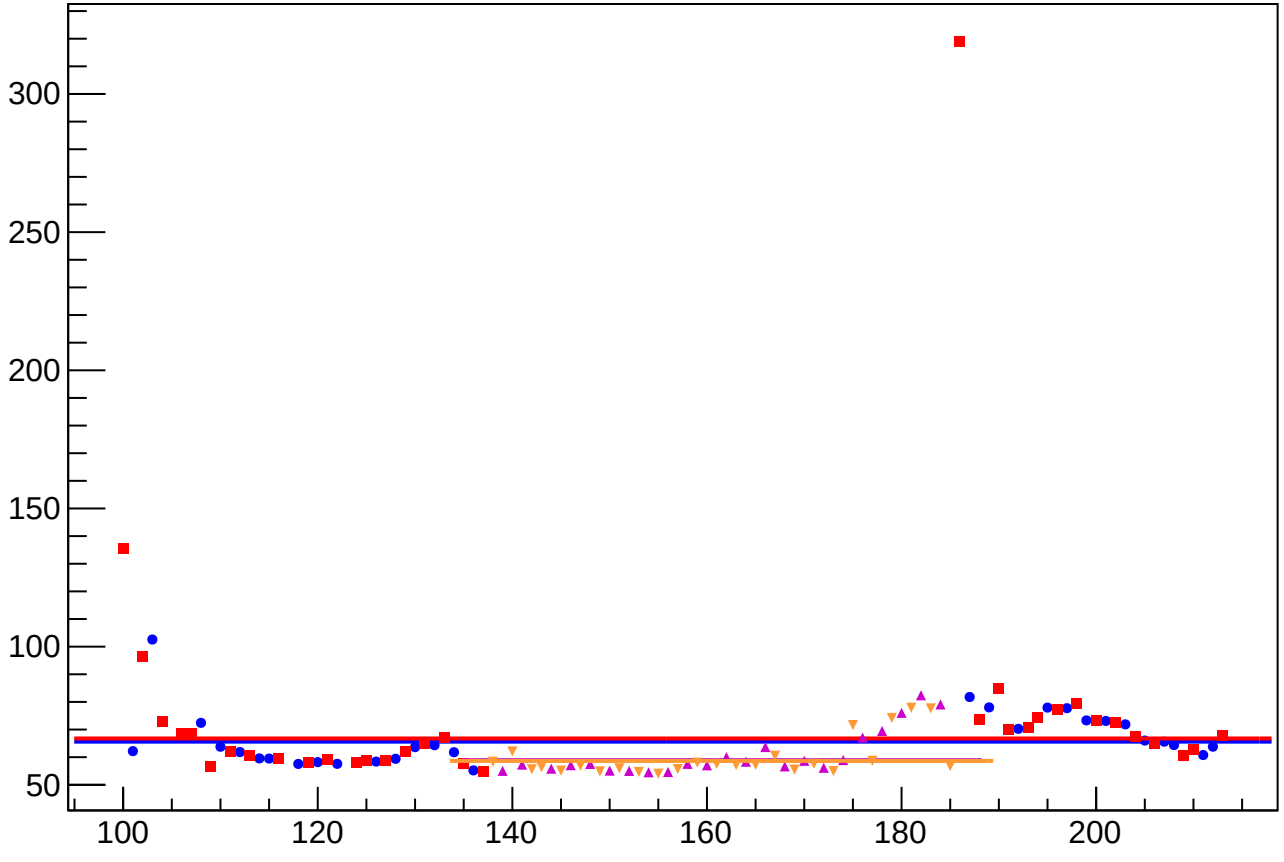
Right: -132.271+/-11.117 χ^2/NDF: 118.1/62

In: -170.852+/-10.438 χ^2/NDF:82.6/51

Out: -152.679+/-10.168 χ^2/NDF:113.7/58

All: -161.527+/-7.283 χ^2/NDF: 197.9/110

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.626+/-0.011 χ^2/NDF: 510155.0/28

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

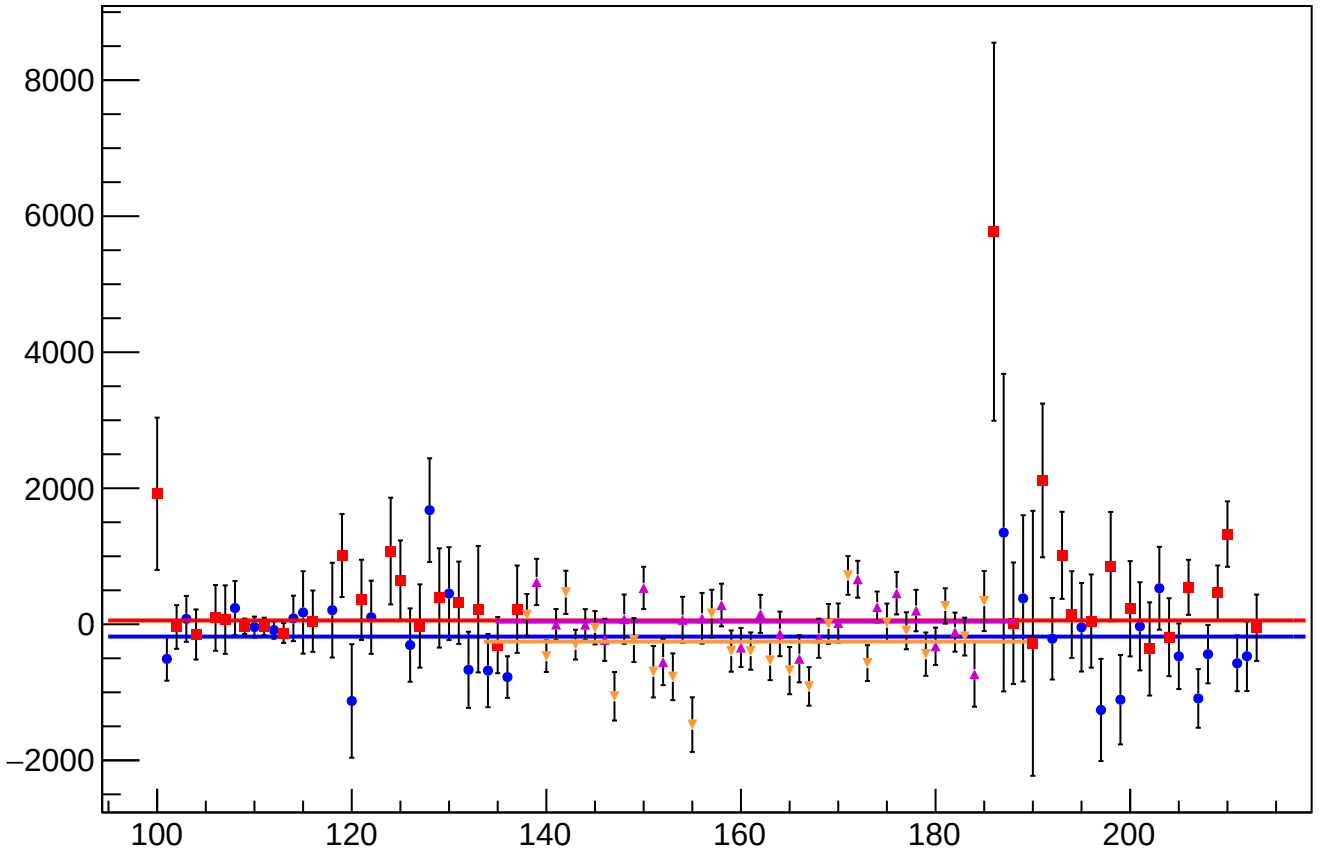
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.209+/-0.008 χ^2/NDF: 1561995.1/62

In: 61.815+/-0.007 χ^2/NDF:1100490.5/51

Out: 62.104+/-0.007 χ^2/NDF:1752760.5/58

All: 61.963+/-0.005 χ^2/NDF: 2854039.5/110



Right In: -180.762+/-68.646 χ^2/NDF: 31.8/28

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

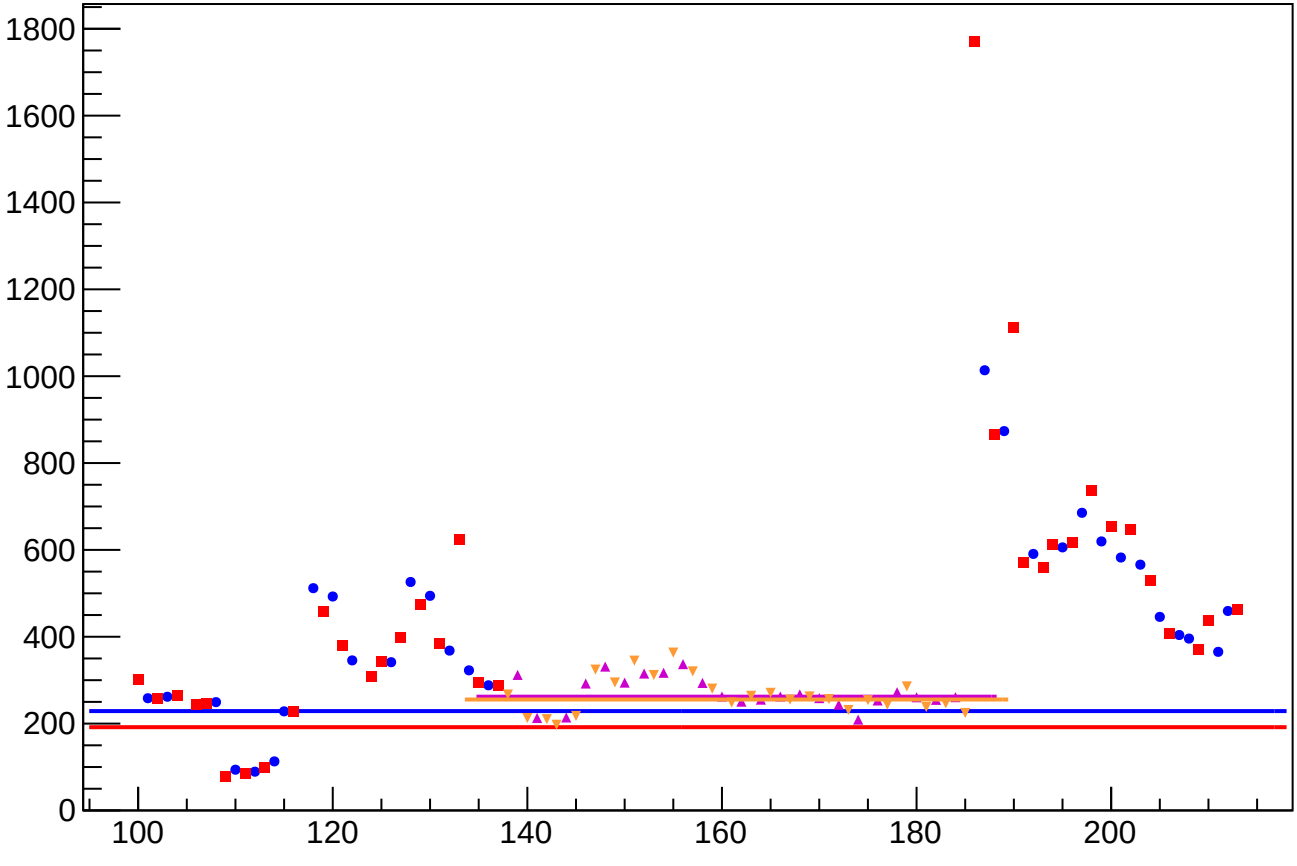
Right: -45.200+/-44.961 χ^2/NDF: 72.1/62

In: -59.445+/-45.963 χ^2/NDF:65.8/51

Out: -100.628+/-41.850 χ^2/NDF:104.9/58

All: -81.961+/-30.945 χ^2/NDF: 171.2/110

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 228.821+/-0.049 χ^2/NDF: 12307819.9/28

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

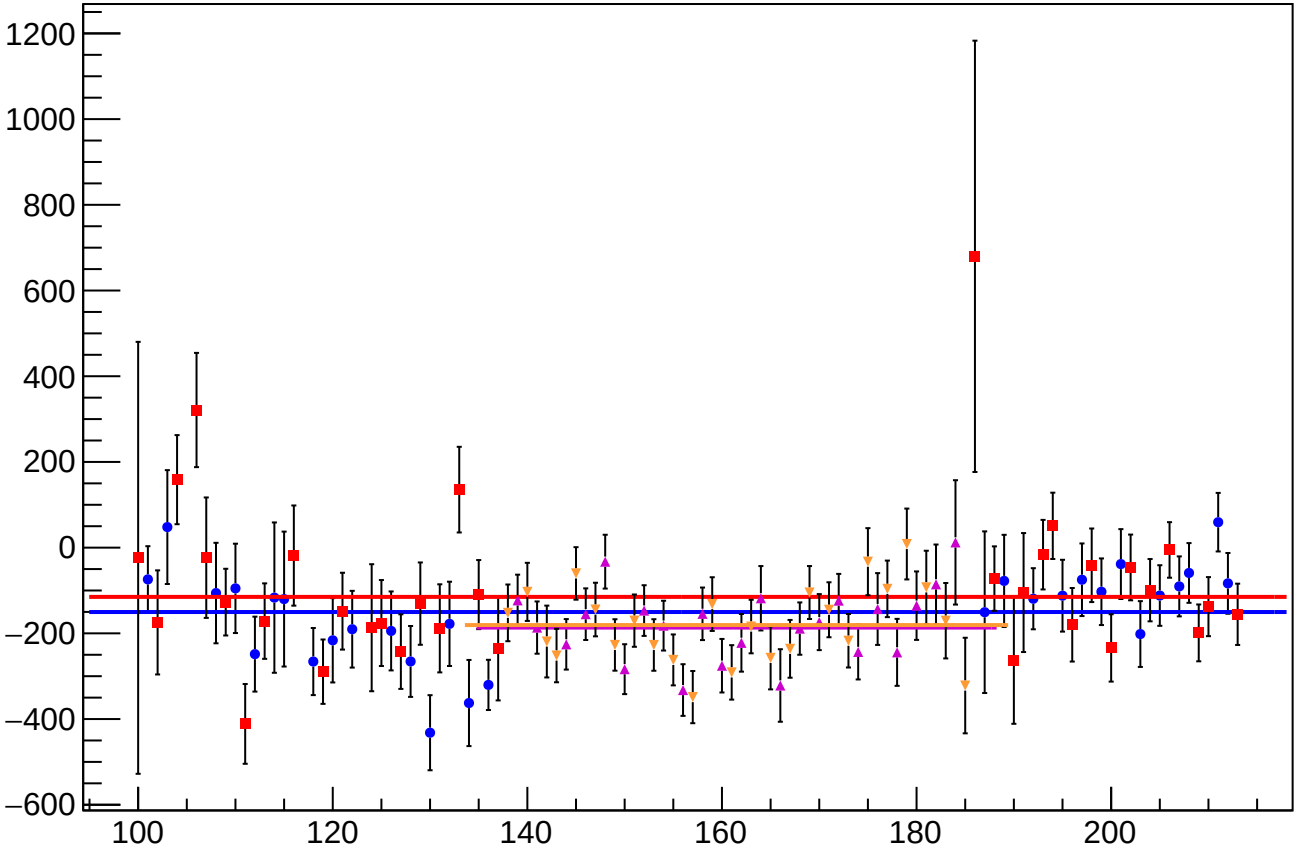
Right: 207.653+/-0.032 χ^2/NDF: 29344367.1/62

In: 247.129+/-0.033 χ^2/NDF:13236266.6/51

Out: 223.945+/-0.030 χ^2/NDF:18726298.6/58

All: 234.453+/-0.022 χ^2/NDF: 32240763.7/1

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -150.258+/-15.866 χ^2/NDF: 50.6/28

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

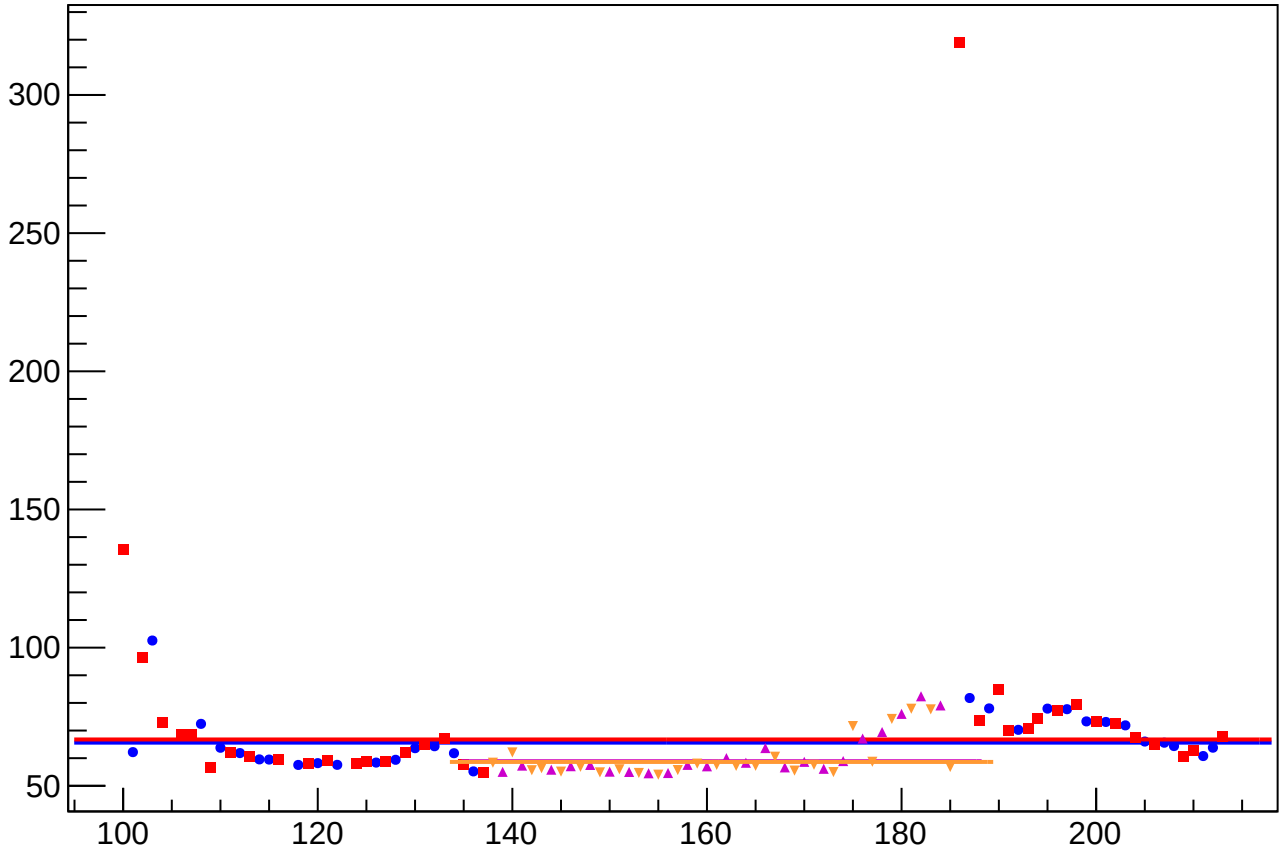
Right: -132.271+/-11.117 χ^2/NDF: 118.1/62

In: -170.852+/-10.438 χ^2/NDF:82.6/51

Out: -152.679+/-10.168 χ^2/NDF:113.7/58

All: -161.527+/-7.283 χ^2/NDF: 197.9/110

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.626+/-0.011 χ^2/NDF: 510155.0/28

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

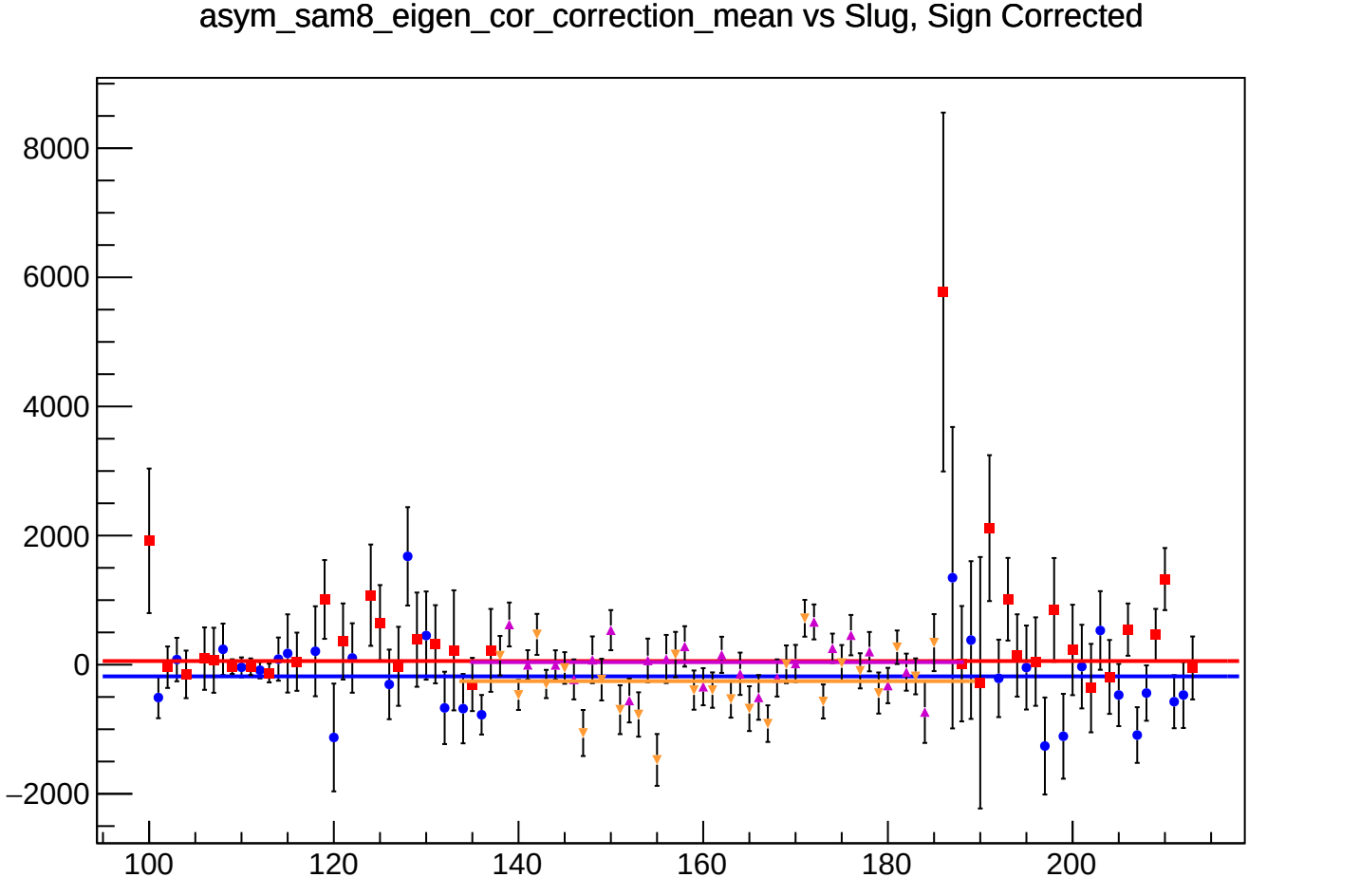
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

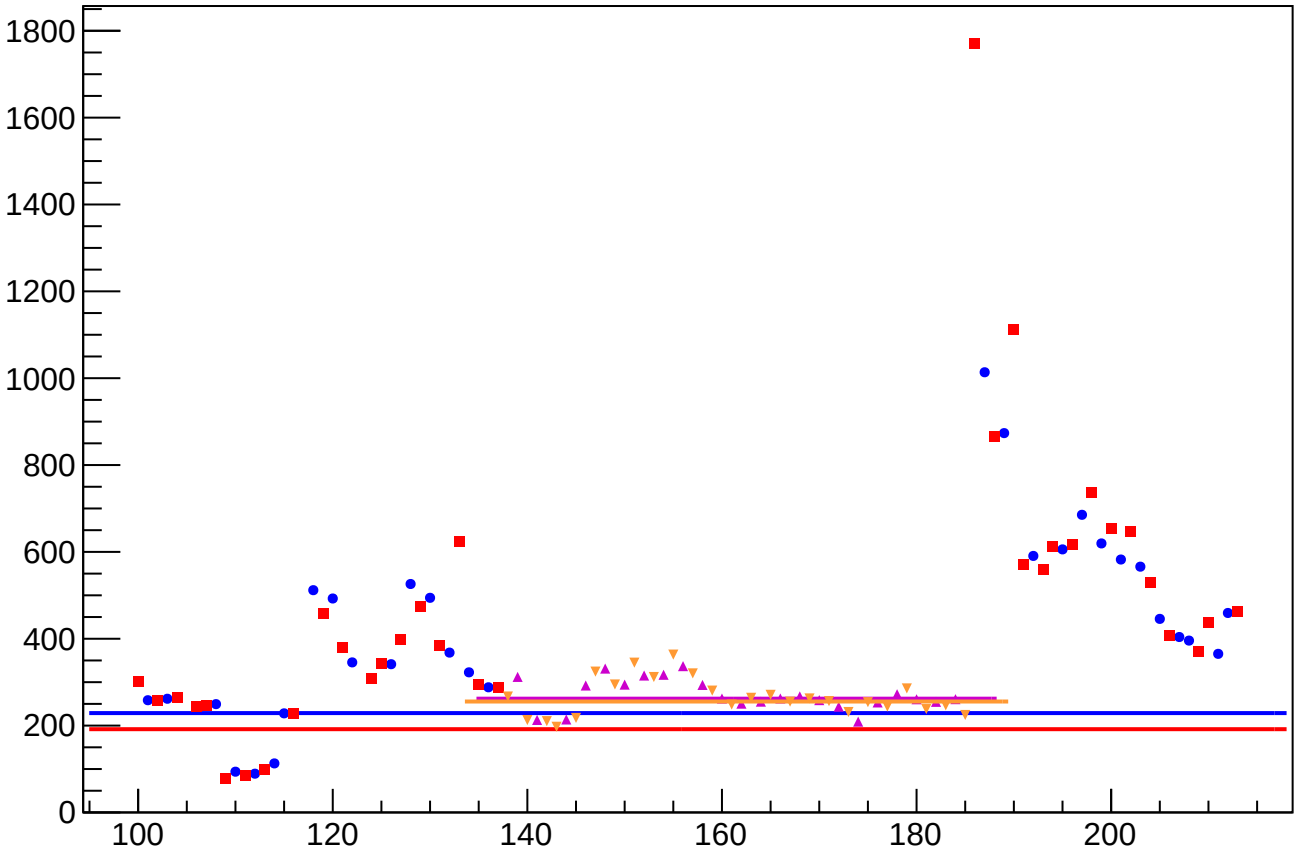
Right: 66.209+/-0.008 χ^2/NDF: 1561995.1/62

In: 61.815+/-0.007 χ^2/NDF:1100490.5/51

Out: 62.104+/-0.007 χ^2/NDF:1752760.5/58

All: 61.963+/-0.005 χ^2/NDF: 2854039.5/110


asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -180.762+/-68.646 χ²/NDF: 31.8/28
Left Out: -254.625+/-58.877 χ²/NDF:57.6/24
Right Out: 56.639+/-59.498 χ²/NDF: 33.4/33
Left In: 39.144+/-61.883 χ²/NDF:28.3/22
Left: -115.050+/-42.655 χ²/NDF: 97.8/47
Right: -45.200+/-44.961 χ²/NDF: 72.1/62
In: -59.445+/-45.963 χ²/NDF:65.8/51
Out: -100.628+/-41.850 χ²/NDF:104.9/58
All: -81.961+/-30.945 χ²/NDF: 171.2/110



Right In: 228.821+/-0.049 χ^2/NDF: 12307819.9/28

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

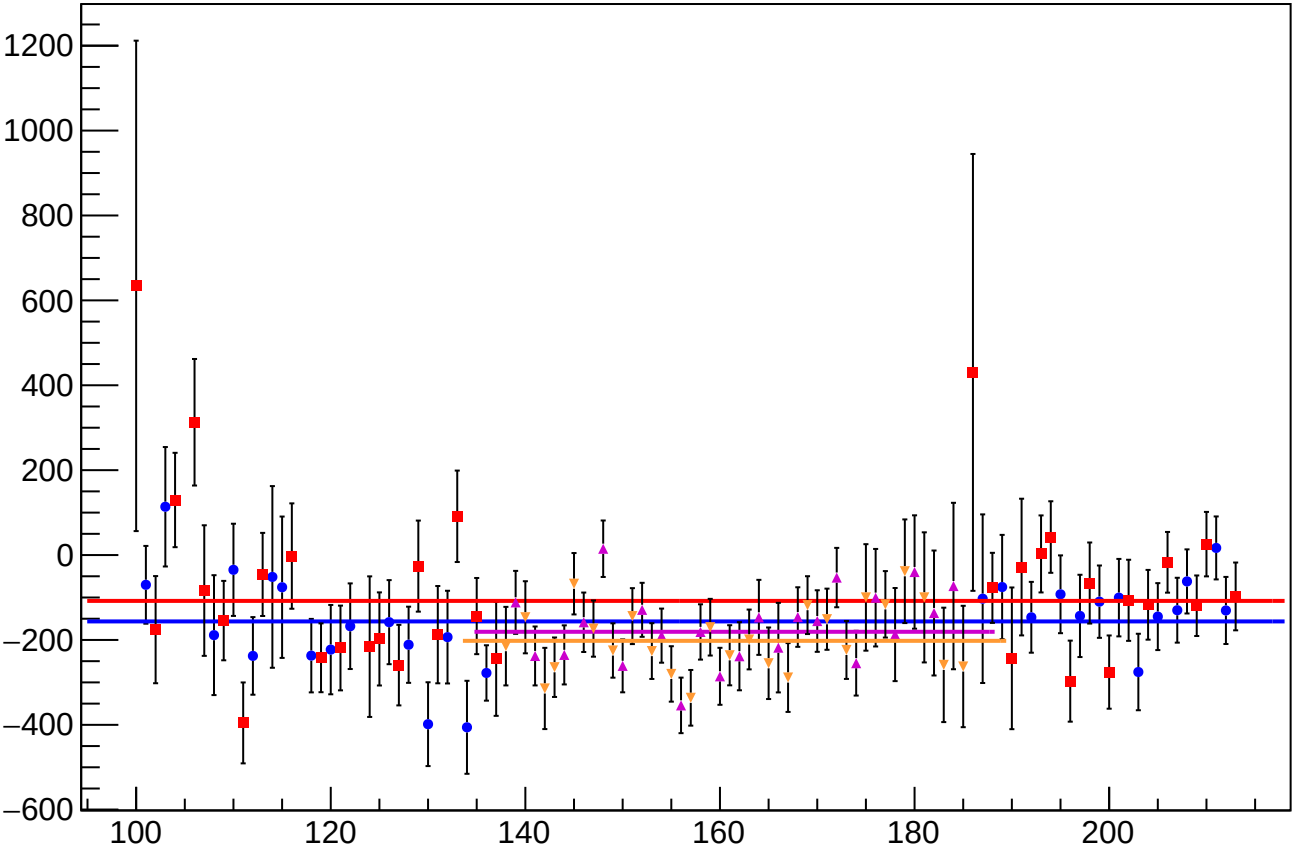
Right: 207.653+/-0.032 χ^2/NDF: 29344367.1/62

In: 247.129+/-0.033 χ^2/NDF:13236266.6/51

Out: 223.945+/-0.030 χ^2/NDF:18726298.6/58

All: 234.453+/-0.022 χ^2/NDF: 32240763.7/1

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -156.346+/-17.606 χ^2/NDF: 34.3/28

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

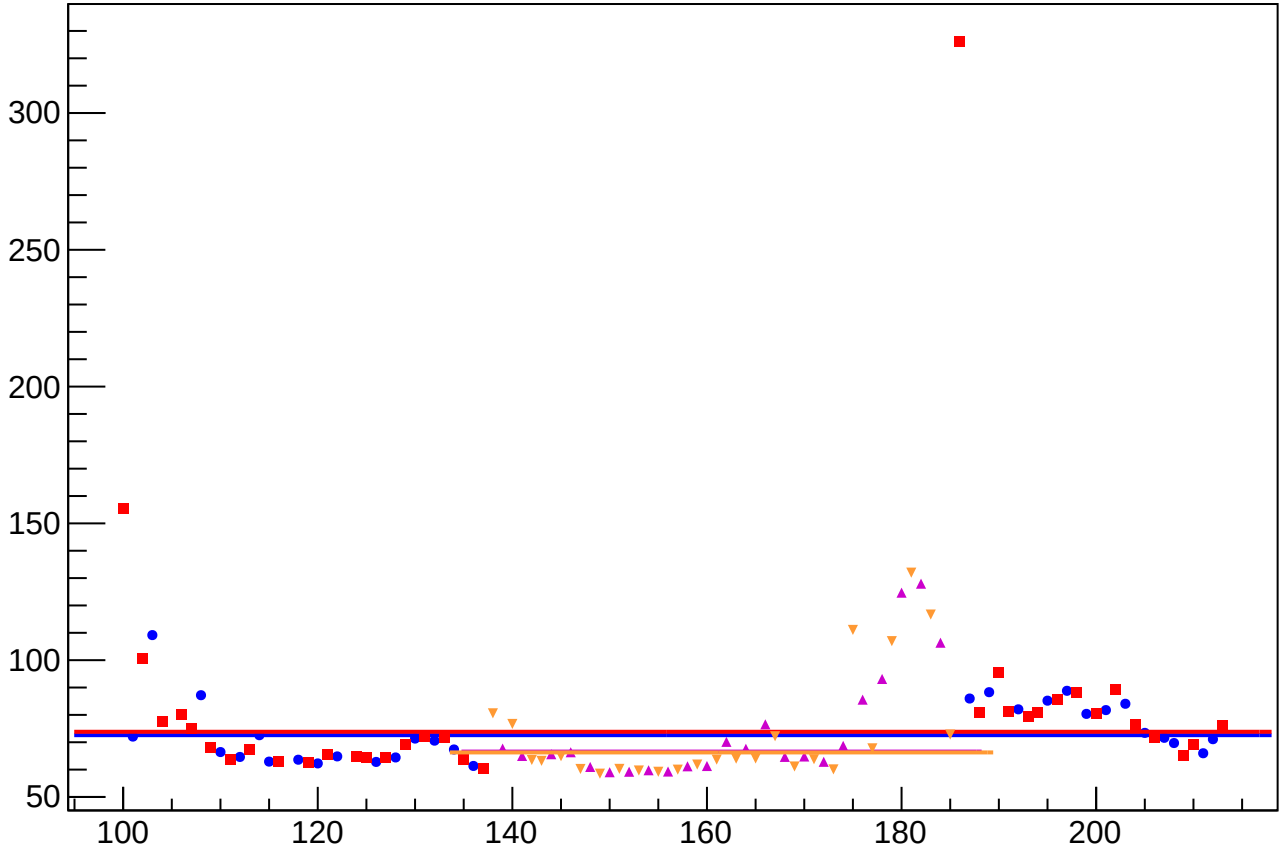
Right: -131.682+/-12.321 χ^2/NDF: 95.9/62

In: -169.716+/-11.848 χ^2/NDF:65.5/51

Out: -159.946+/-11.545 χ^2/NDF:95.7/58

All: -164.704+/-8.269 χ^2/NDF: 161.5/110

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 72.586+/-0.012 χ^2/NDF: 589151.3/28

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

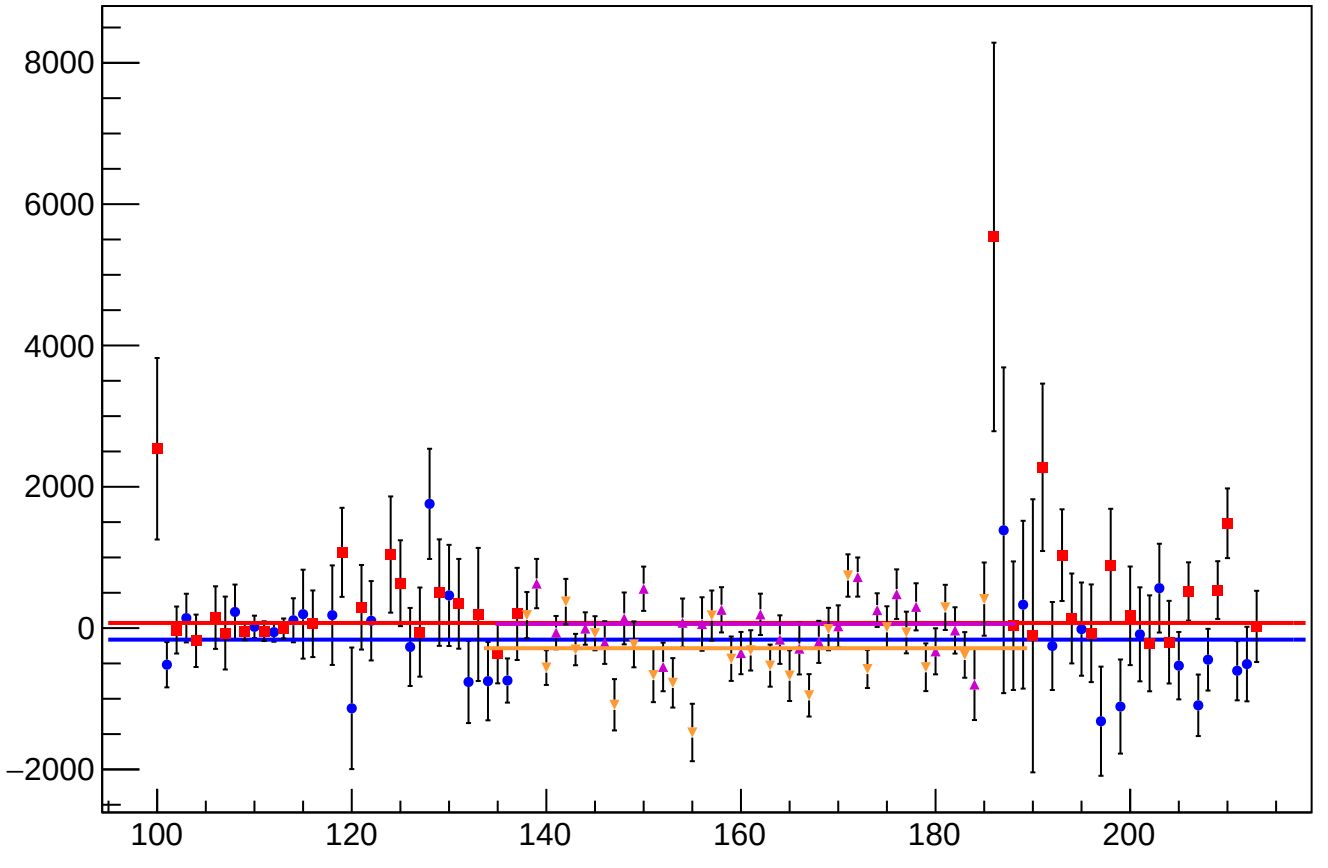
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.220+/-0.009 χ^2/NDF: 1662855.9/62

In: 69.303+/-0.008 χ^2/NDF:1874496.6/51

Out: 69.661+/-0.008 χ^2/NDF:2674004.1/58

All: 69.487+/-0.006 χ^2/NDF: 4549435.7/110



Right In: -163.149+/-70.665 χ^2/NDF: 33.7/28

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

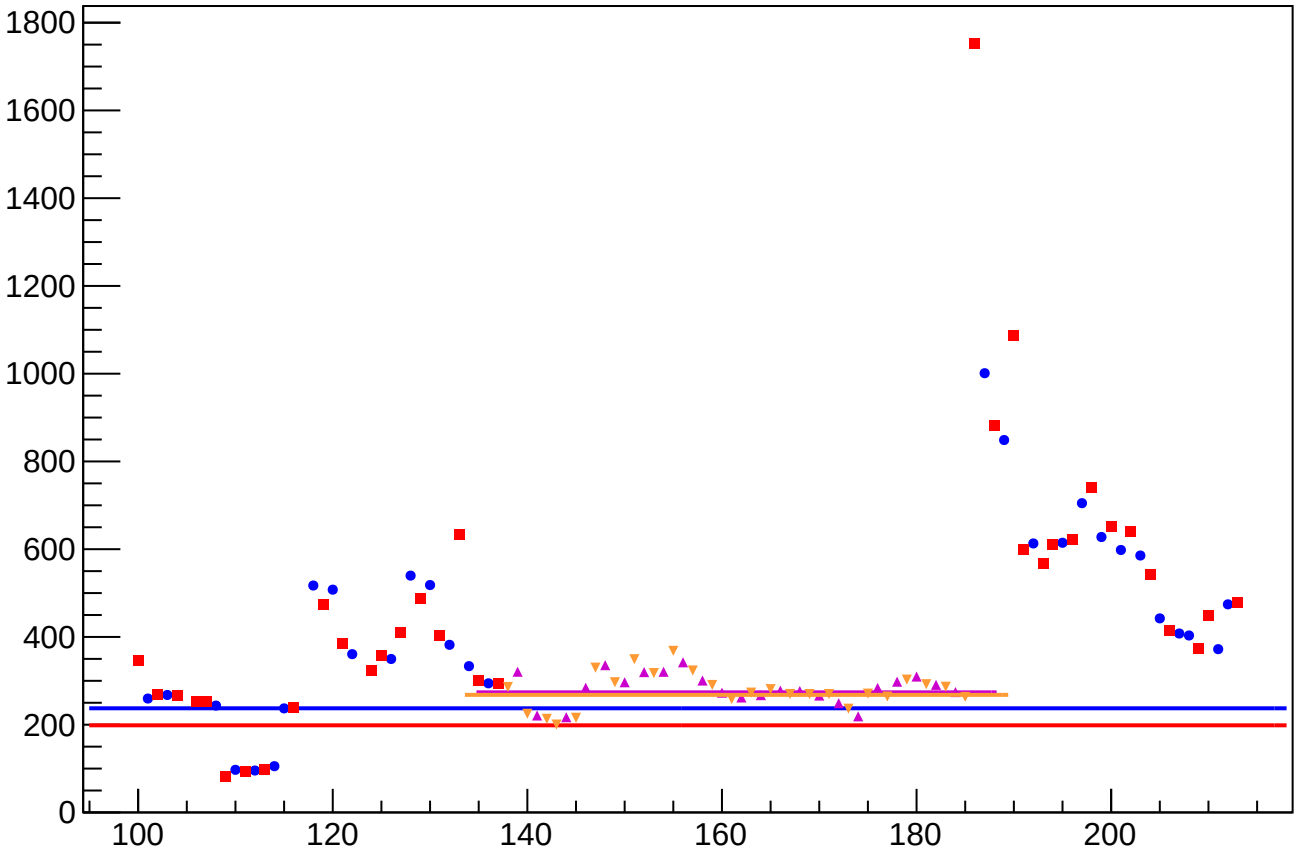
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

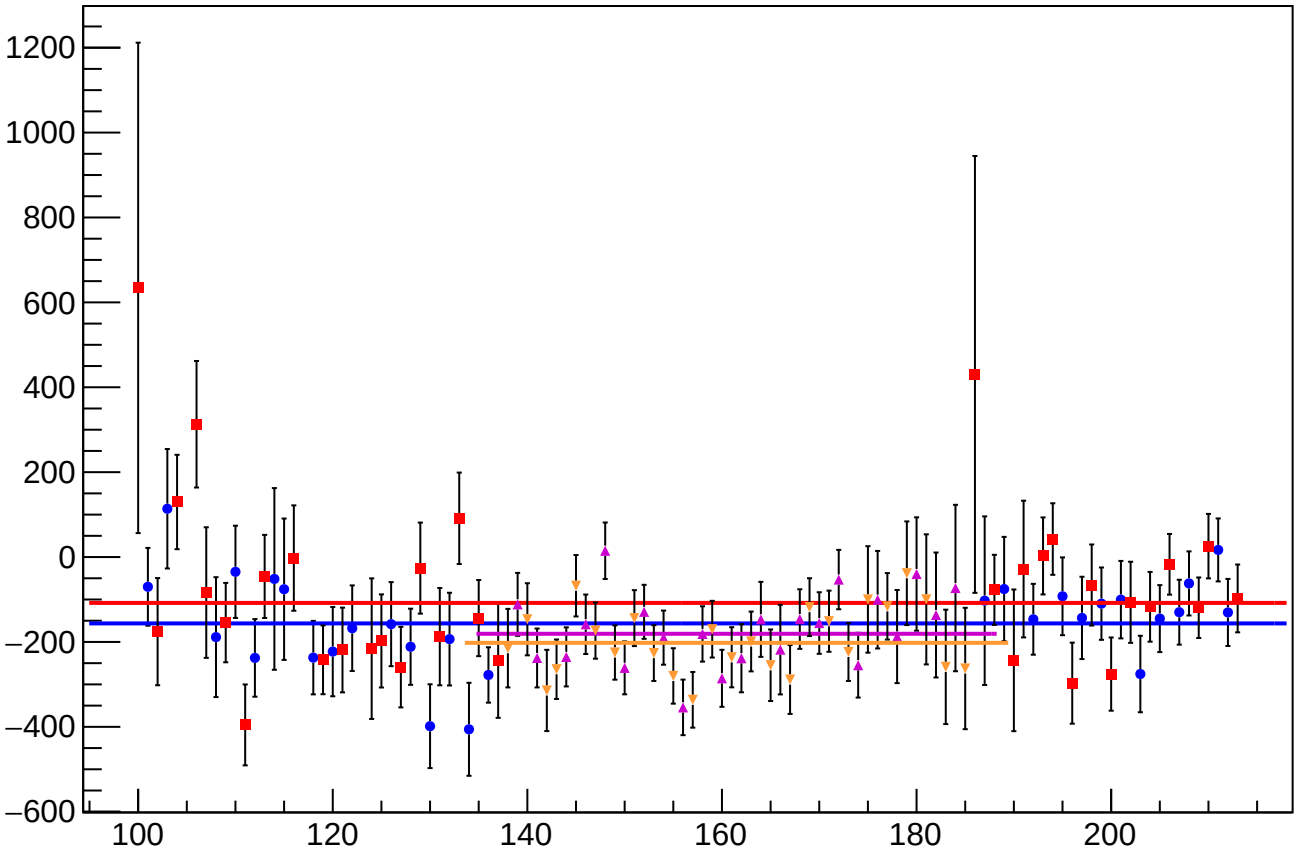
Right: -28.047+/-46.209 χ^2/NDF: 74.9/62

In: -42.109+/-47.694 χ^2/NDF:65.9/51

Out: -103.894+/-43.417 χ^2/NDF:106.4/58

All: -75.896+/-32.106 χ^2/NDF: 173.2/110


asym_sam8_dit_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
200
Right In: 237.390+/-0.050 χ²/NDF: 12011367.6/28
Left Out: 267.985+/-0.044 χ²/NDF:862786.9/24
Right Out: 198.599+/-0.043 χ²/NDF: 16471672.7/33
Left In: 273.751+/-0.046 χ²/NDF:650295.5/22
Left: 270.736+/-0.032 χ²/NDF: 1521404.4/47
Right: 215.187+/-0.033 χ²/NDF: 28827994.8/62
In: 257.187+/-0.034 χ²/NDF:12949977.0/51
Out: 232.926+/-0.031 χ²/NDF:18611355.4/58
All: 243.920+/-0.023 χ²/NDF: 31844343.0/11



Right In: -156.346+/-17.606 χ^2/NDF: 34.3/28

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

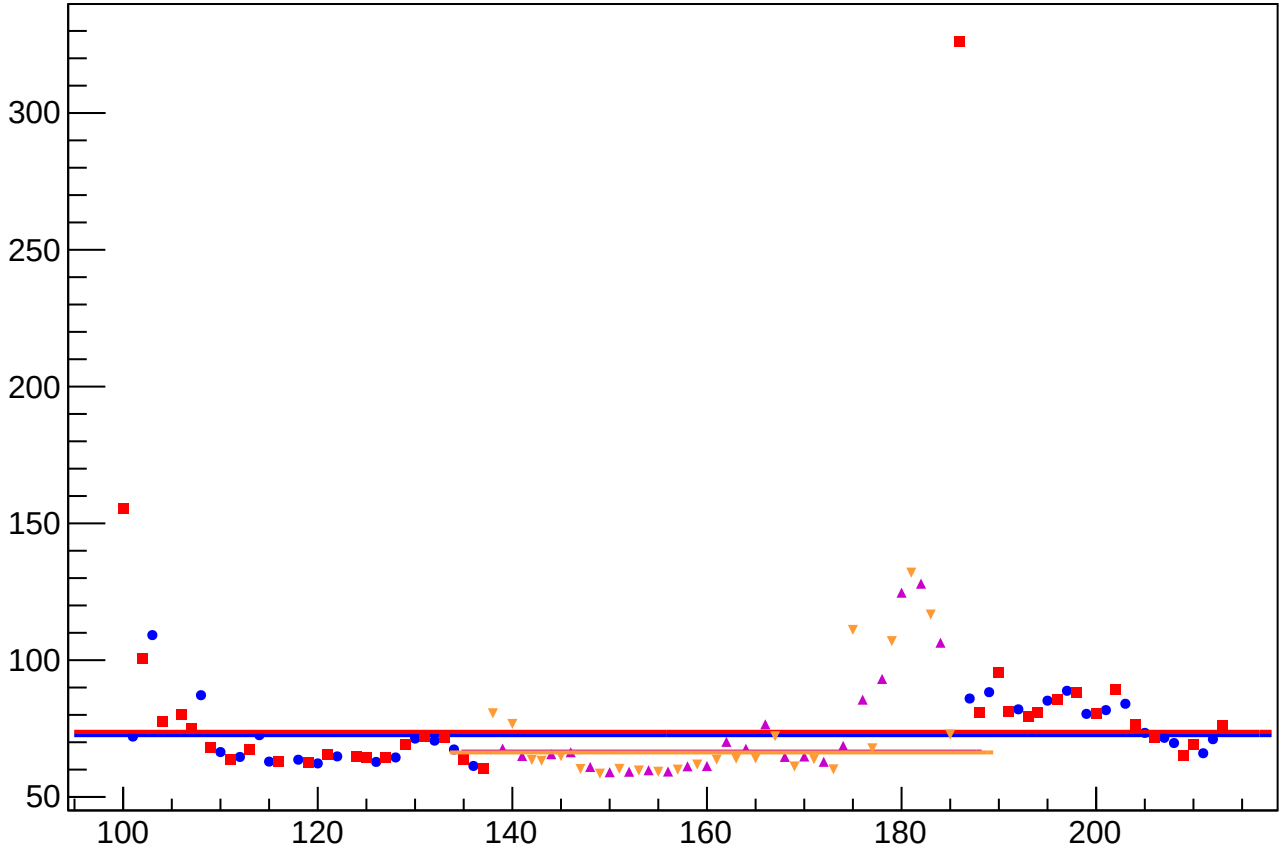
Right: -131.683+/-12.321 χ^2/NDF: 95.9/62

In: -169.716+/-11.848 χ^2/NDF:65.5/51

Out: -159.946+/-11.545 χ^2/NDF:95.7/58

All: -164.704+/-8.269 χ^2/NDF: 161.5/110

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 72.586+/-0.012 χ^2/NDF: 589155.0/28

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

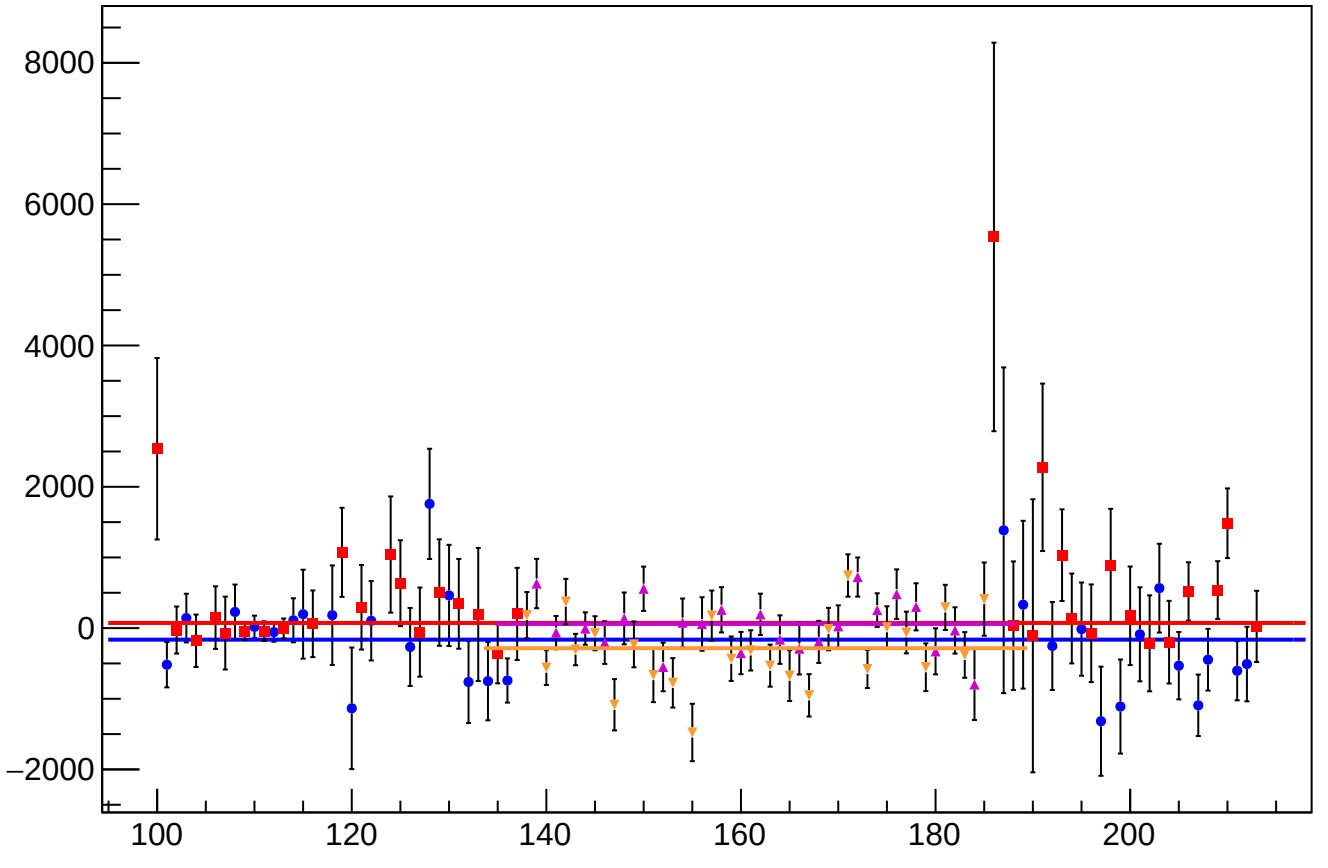
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

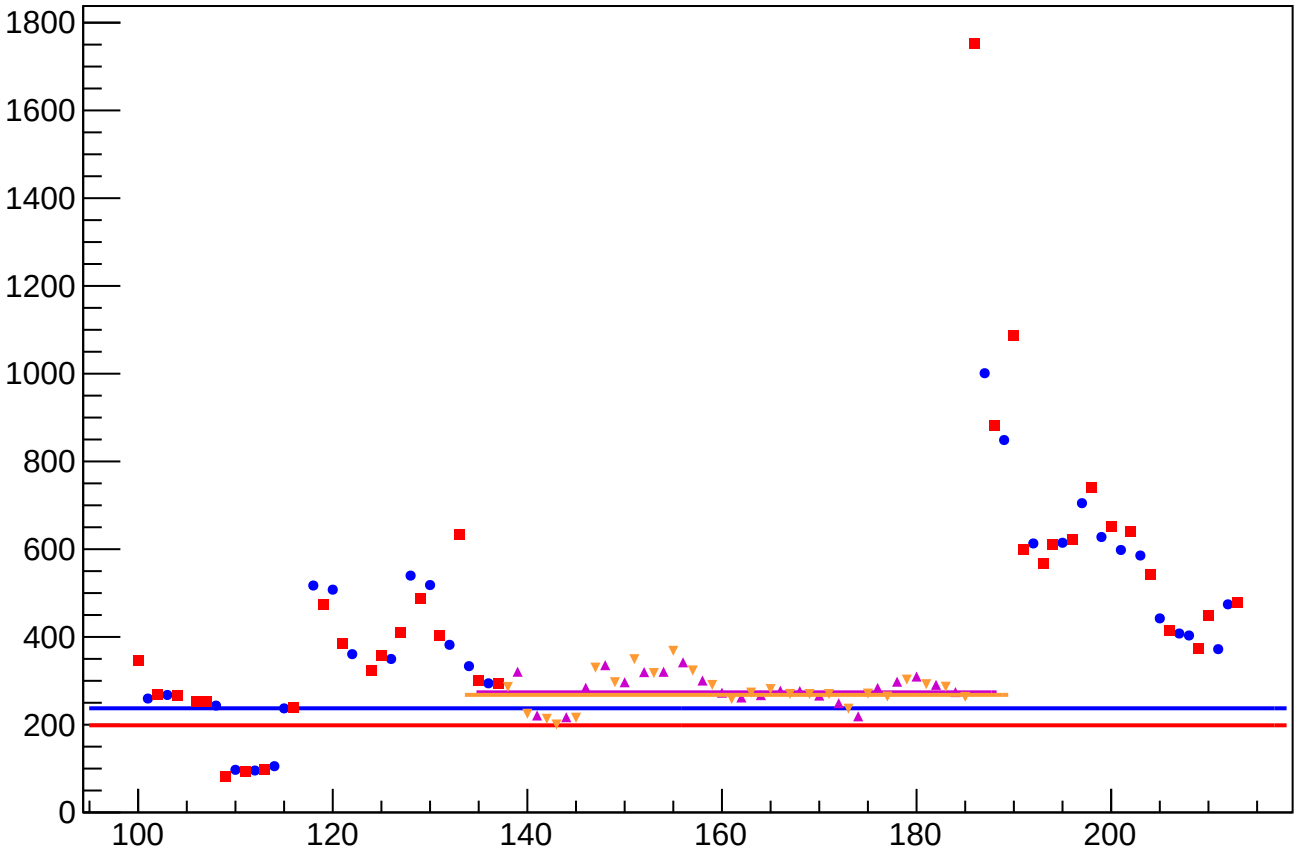
Right: 73.220+/-0.009 χ^2/NDF: 1662863.4/62

In: 69.303+/-0.008 χ^2/NDF:1874486.6/51

Out: 69.661+/-0.008 χ^2/NDF:2673999.6/58

All: 69.487+/-0.006 χ^2/NDF: 4549421.0/110


asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -163.147+/-70.664 χ²/NDF: 33.7/28
Left Out: -284.450+/-61.727 χ²/NDF:54.6/24
Right Out: 72.884+/-61.078 χ²/NDF: 34.8/33
Left In: 59.160+/-64.636 χ²/NDF:26.8/22
Left: -120.551+/-44.641 χ²/NDF: 96.2/47
Right: -28.047+/-46.209 χ²/NDF: 74.9/62
In: -42.108+/-47.694 χ²/NDF:65.9/51
Out: -103.895+/-43.416 χ²/NDF:106.4/58
All: -75.895+/-32.106 χ²/NDF: 173.2/110



Right In: 237.388+/-0.050 χ^2/NDF: 12011448.9/28

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

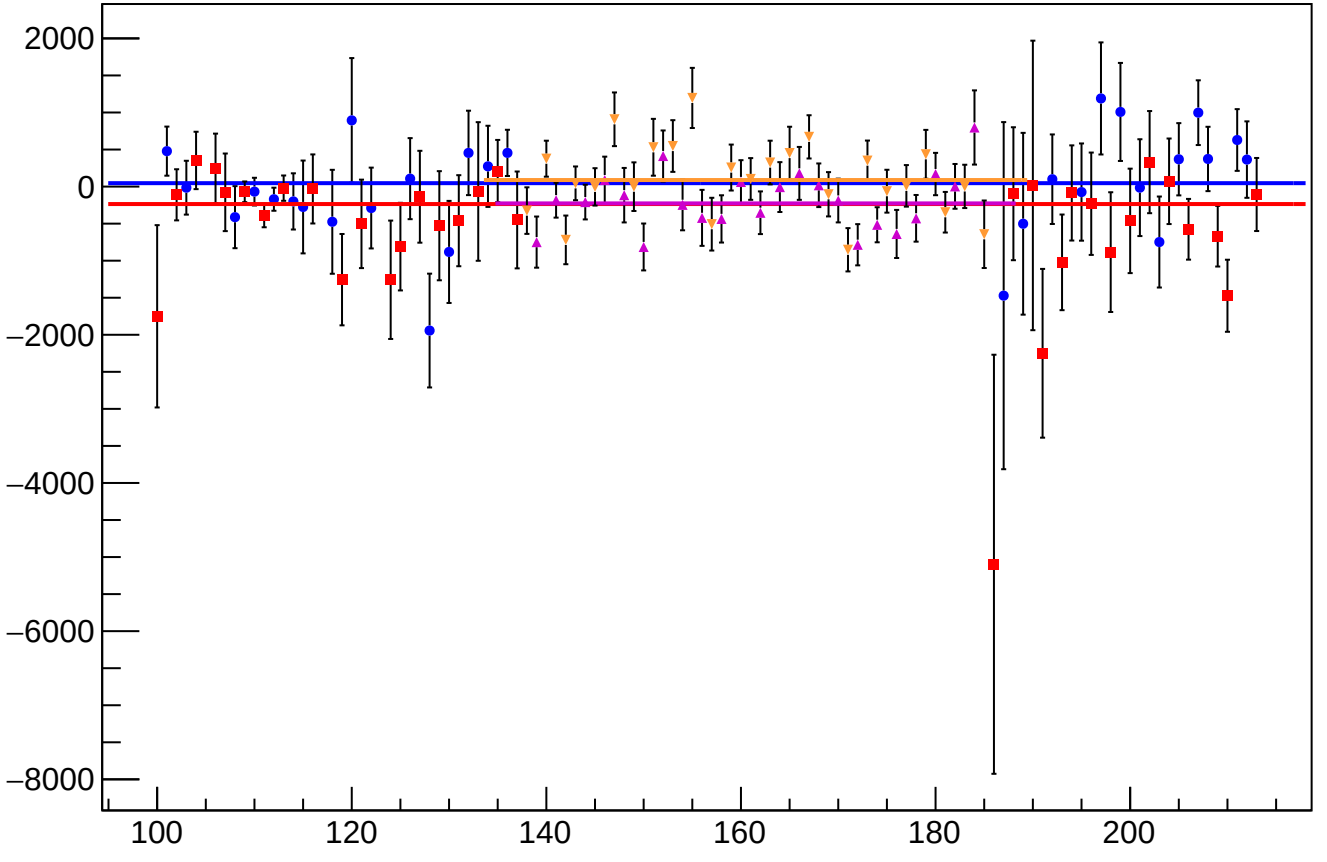
Right: 215.186+/-0.033 χ^2/NDF: 28828044.2/62

In: 257.186+/-0.034 χ^2/NDF:12950078.9/51

Out: 232.925+/-0.031 χ^2/NDF:18611343.0/58

All: 243.919+/-0.023 χ^2/NDF: 31844419.3/11

asym_sam8_mean vs Slug, Sign Corrected



Right In: 46.218+/-76.325 χ^2/NDF: 33.6/28

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

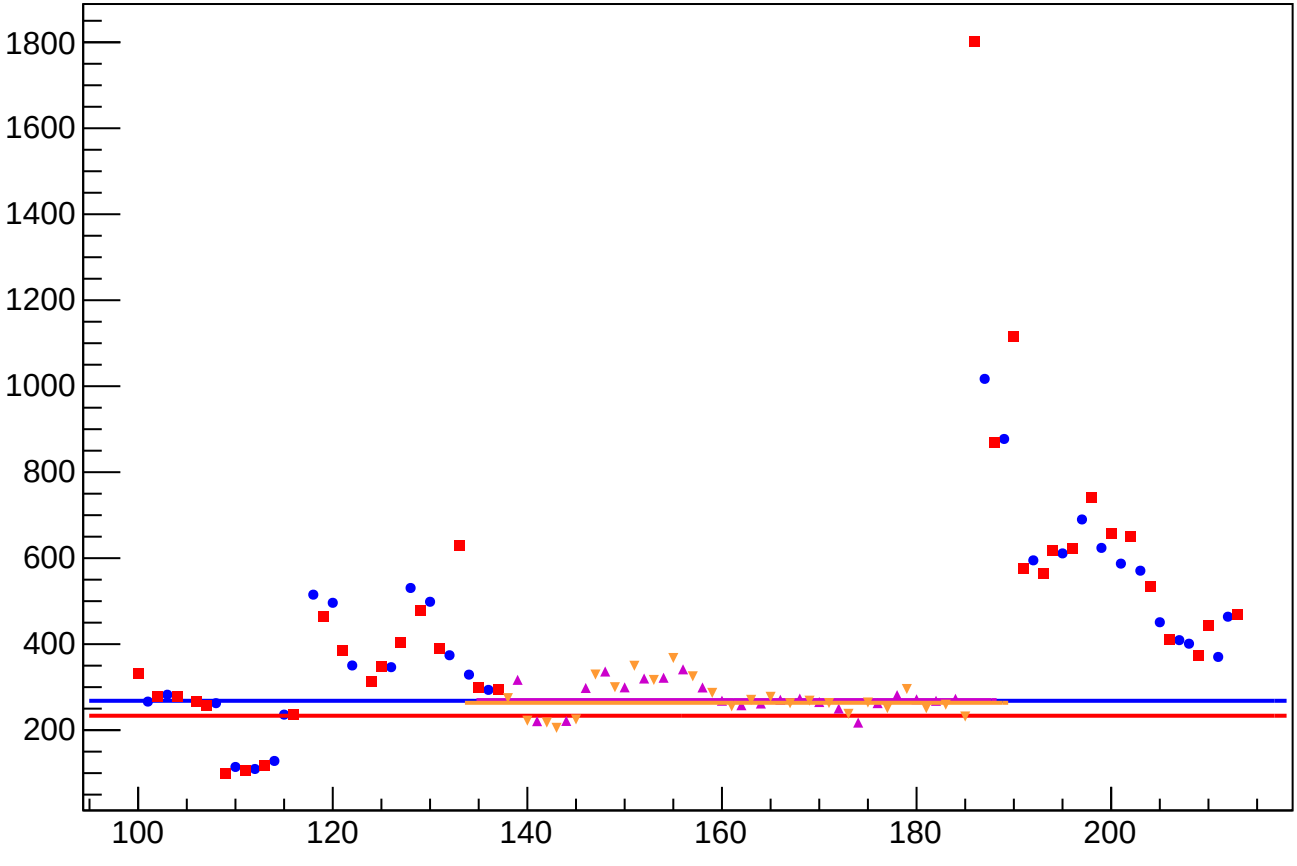
Right: -111.445+/-50.663 χ^2/NDF: 75.3/62

In: -114.795+/-48.895 χ^2/NDF:70.0/51

Out: -55.823+/-45.192 χ^2/NDF:98.9/58

All: -82.992+/-33.187 χ^2/NDF: 169.7/110

asym_sam8_rms vs Slug, Sign Corrected



Right In: 268.253+/-0.054 χ^2/NDF: 9834513.4/28

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

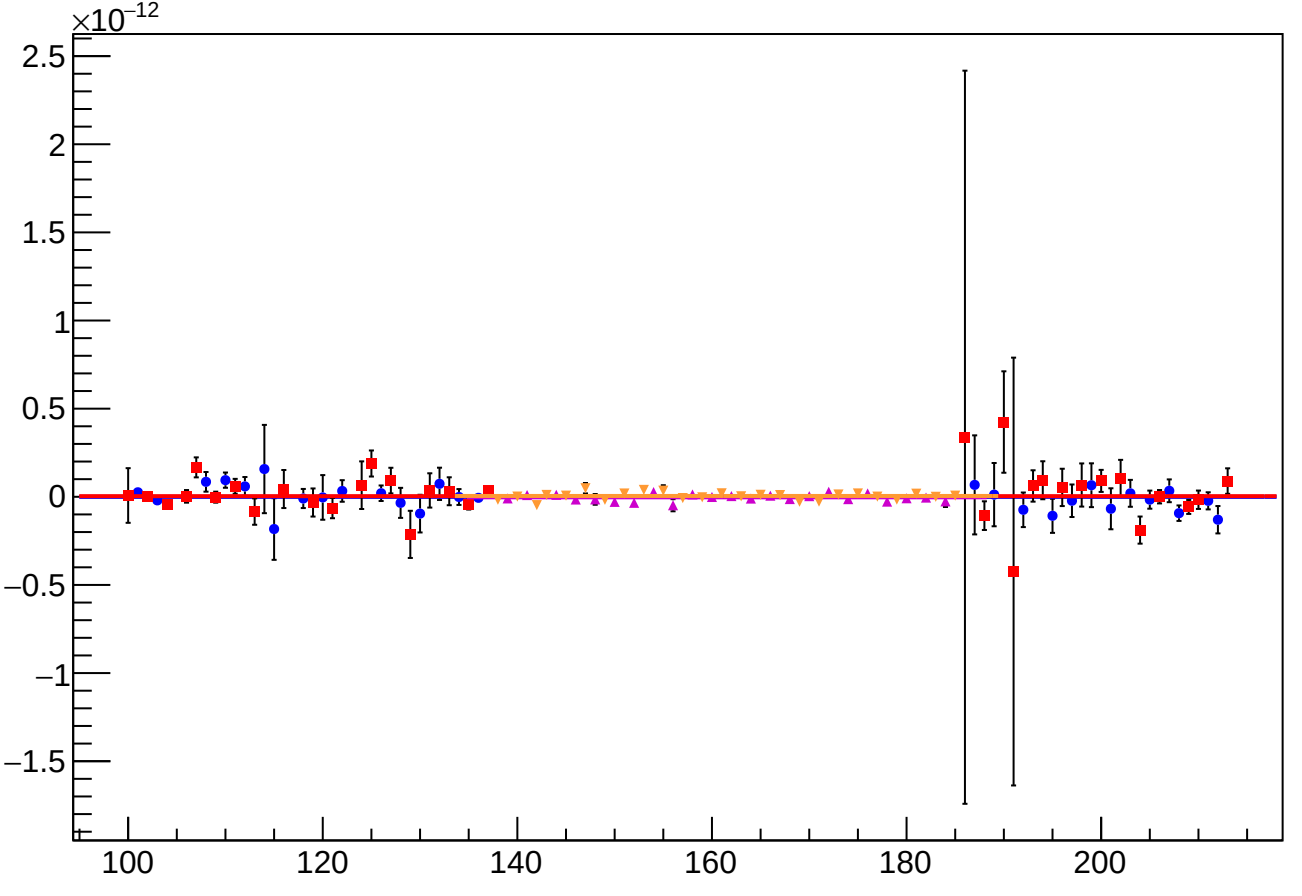
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 248.809+/-0.036 χ^2/NDF: 23963324.9/62

In: 269.223+/-0.035 χ^2/NDF:10437305.5/51

Out: 250.196+/-0.032 χ^2/NDF:14895758.3/58

All: 258.961+/-0.023 χ^2/NDF: 25496391.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/28

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

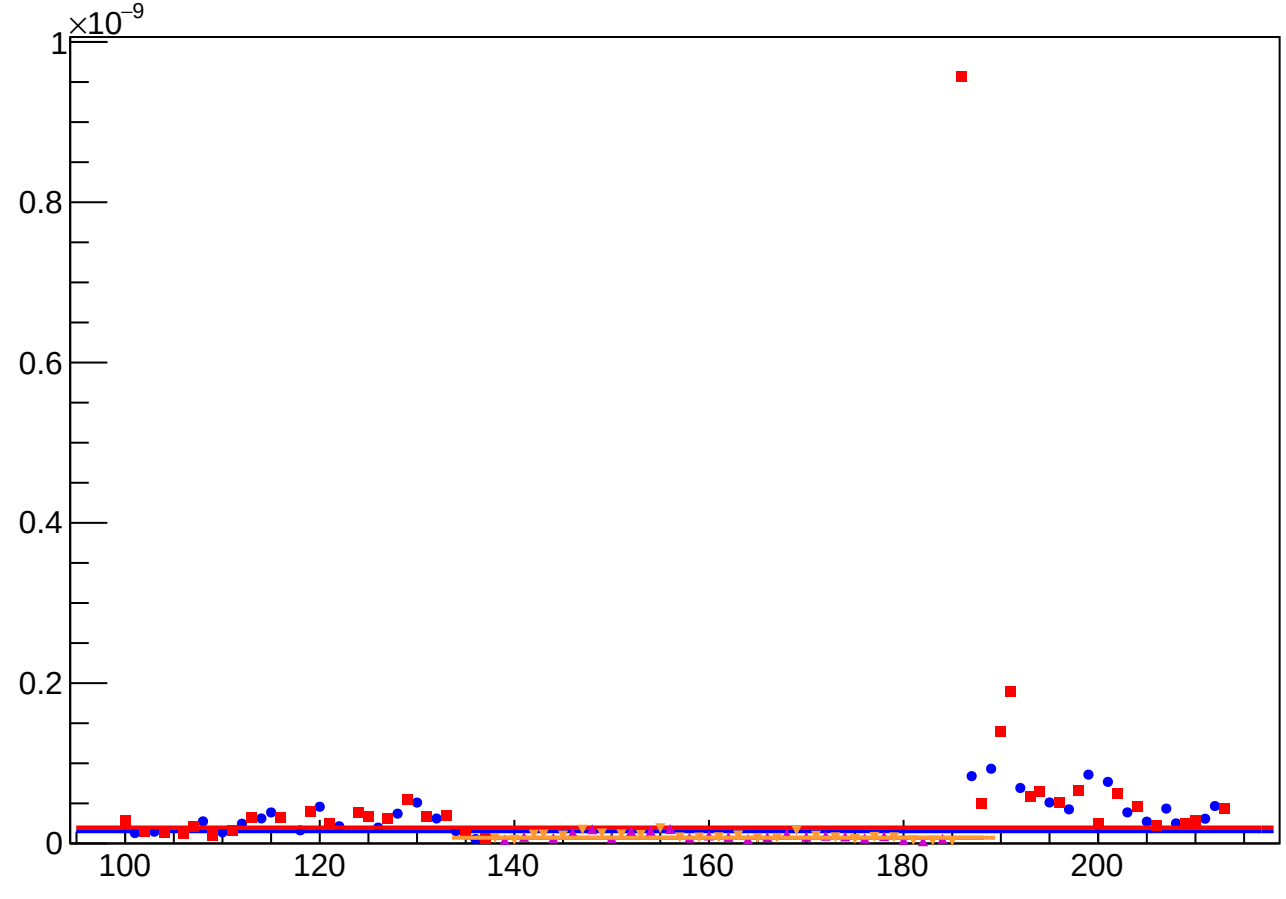
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 74.3/62

In: -0.000+/-0.000 χ^2/NDF:46.5/51

Out: 0.000+/-0.000 χ^2/NDF:77.3/58

All: 0.000+/-0.000 χ^2/NDF: 126.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 6317757.9/28

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

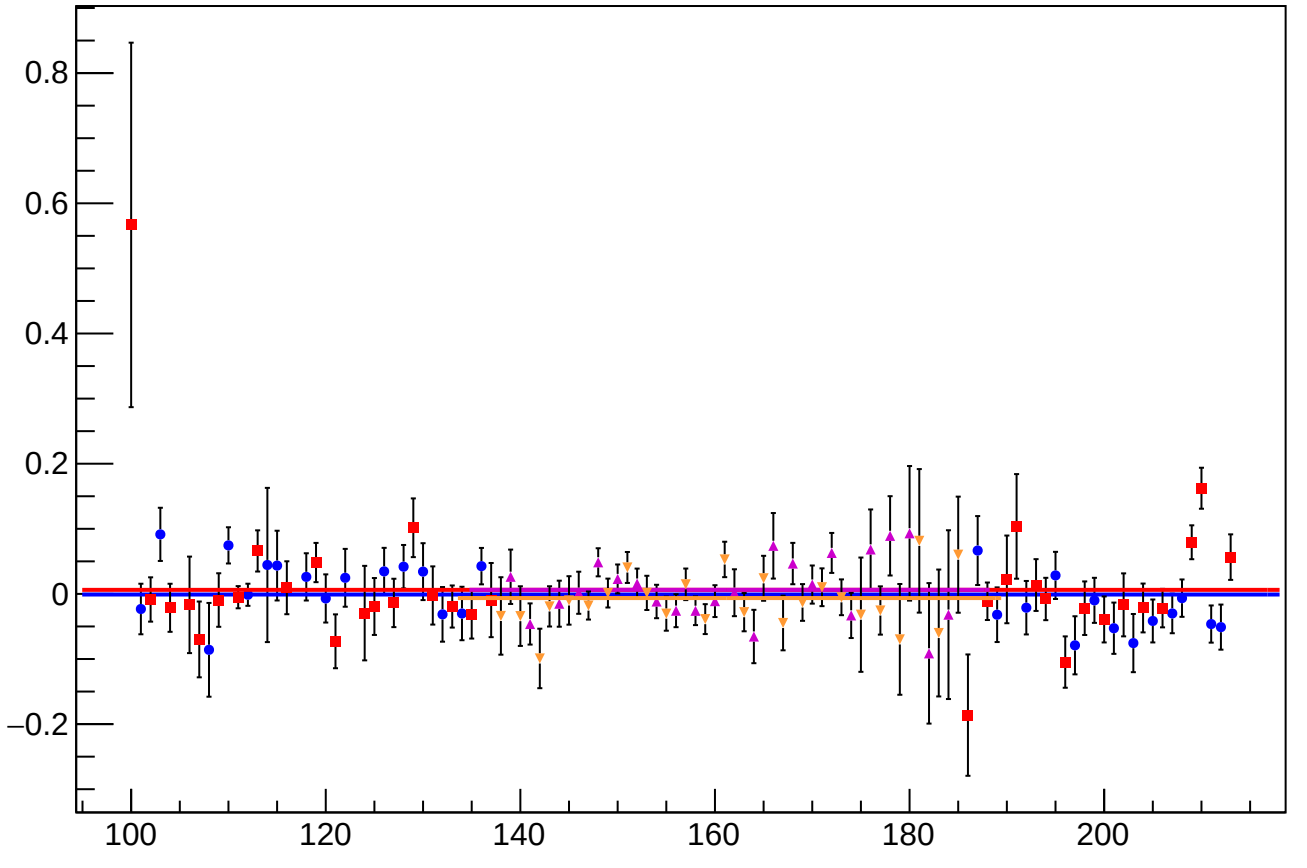
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 11573826.2/62

In: 0.000+/-0.000 χ^2/NDF:10304157.0/51

Out: 0.000+/-0.000 χ^2/NDF:10568979.0/58

All: 0.000+/-0.000 χ^2/NDF: 20877644.3/110



Right In: -0.001+/-0.007 χ^2/NDF: 40.5/28

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

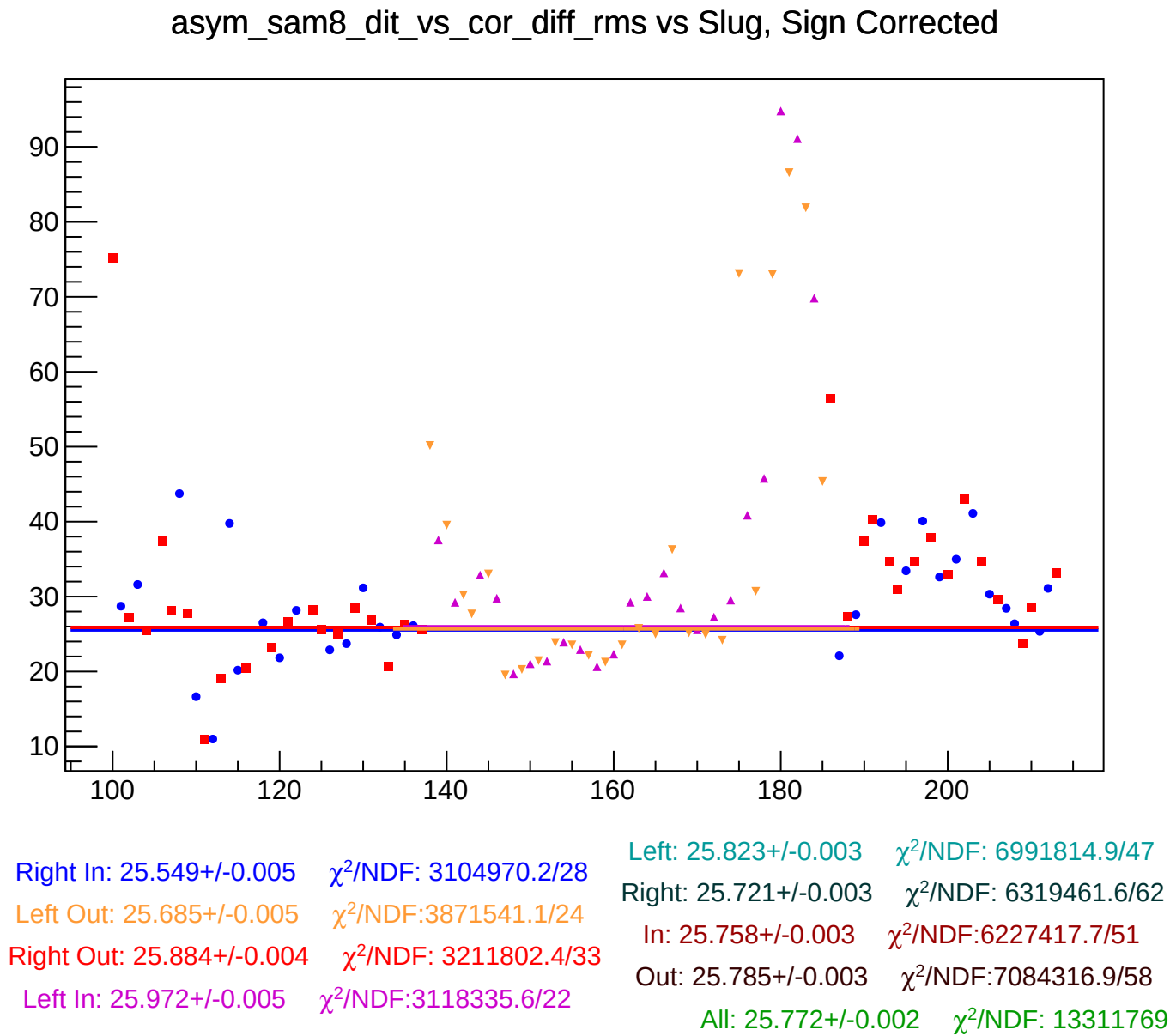
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.003+/-0.005 χ^2/NDF: 117.1/62

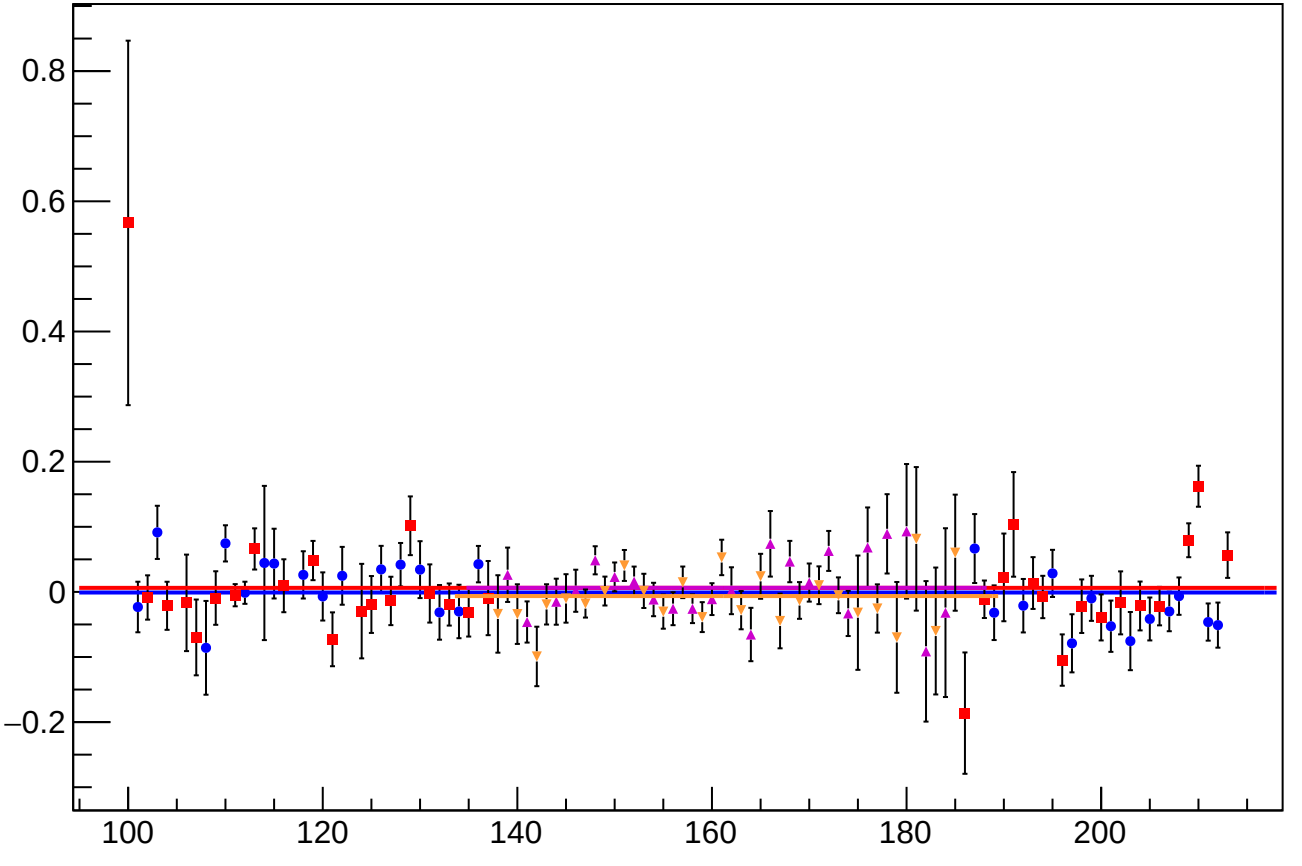
In: 0.003+/-0.005 χ^2/NDF:69.5/51

Out: -0.000+/-0.005 χ^2/NDF:100.5/58

All: 0.001+/-0.003 χ^2/NDF: 170.2/110


asym_sam8_dit_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
120
140
160
180
200
Right In: 25.549+/-0.005 χ²/NDF: 3104970.2/28
Left Out: 25.685+/-0.005 χ²/NDF:3871541.1/24
Right Out: 25.884+/-0.004 χ²/NDF: 3211802.4/33
Left In: 25.972+/-0.005 χ²/NDF:3118335.6/22
Left: 25.823+/-0.003 χ²/NDF: 6991814.9/47
Right: 25.721+/-0.003 χ²/NDF: 6319461.6/62
In: 25.758+/-0.003 χ²/NDF:6227417.7/51
Out: 25.785+/-0.003 χ²/NDF:7084316.9/58
All: 25.772+/-0.002 χ²/NDF: 13311769.3/110

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.007 χ^2/NDF: 40.5/28

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

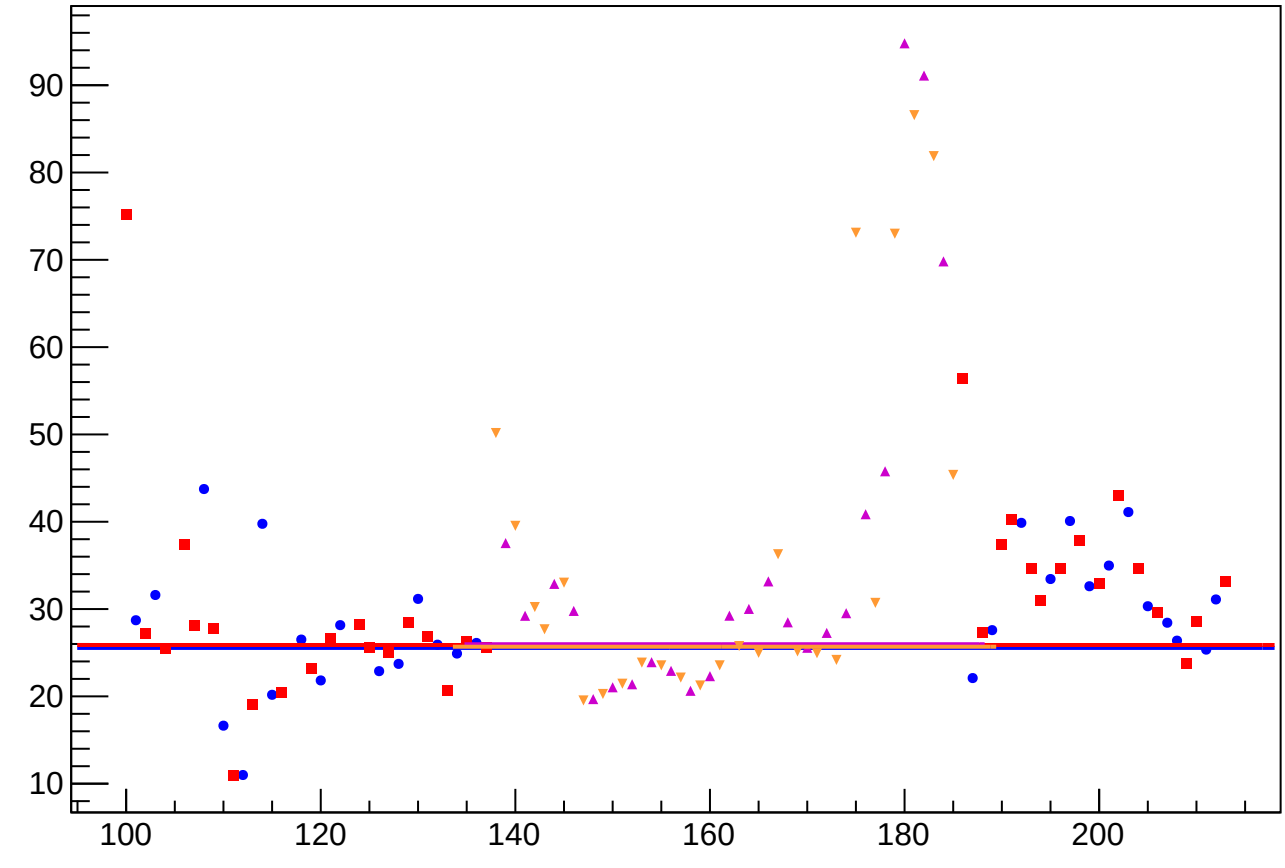
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.003+/-0.005 χ^2/NDF: 117.1/62

In: 0.003+/-0.005 χ^2/NDF:69.5/51

Out: -0.000+/-0.005 χ^2/NDF:100.5/58

All: 0.001+/-0.003 χ^2/NDF: 170.2/110



Right In: 25.549+/-0.005 χ^2/NDF: 3104970.2/28

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

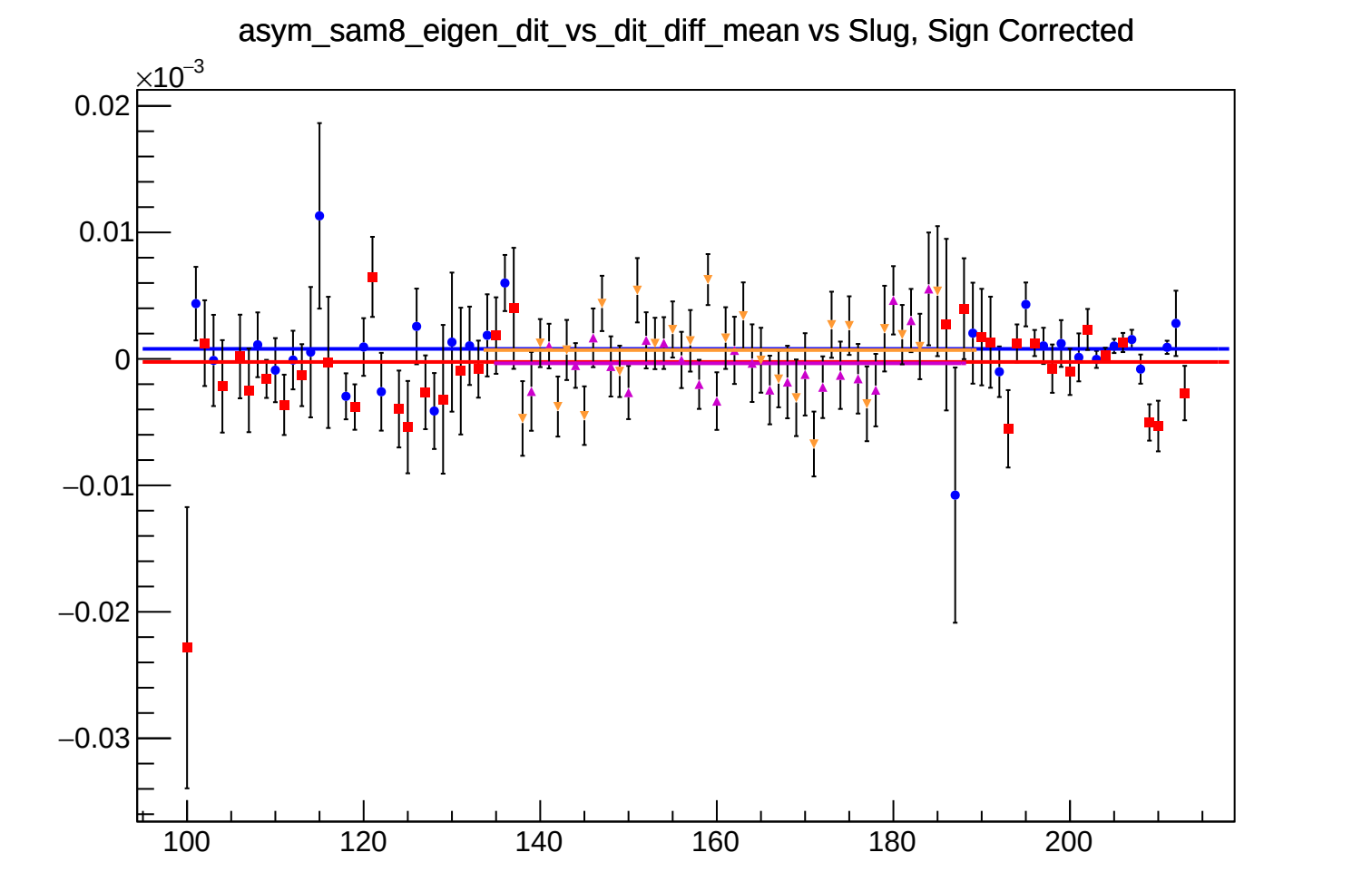
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.721+/-0.003 χ^2/NDF: 6319461.6/62

In: 25.758+/-0.003 χ^2/NDF:6227417.7/51

Out: 25.785+/-0.003 χ^2/NDF:7084316.9/58

All: 25.772+/-0.002 χ^2/NDF: 13311769.3/110



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/28

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

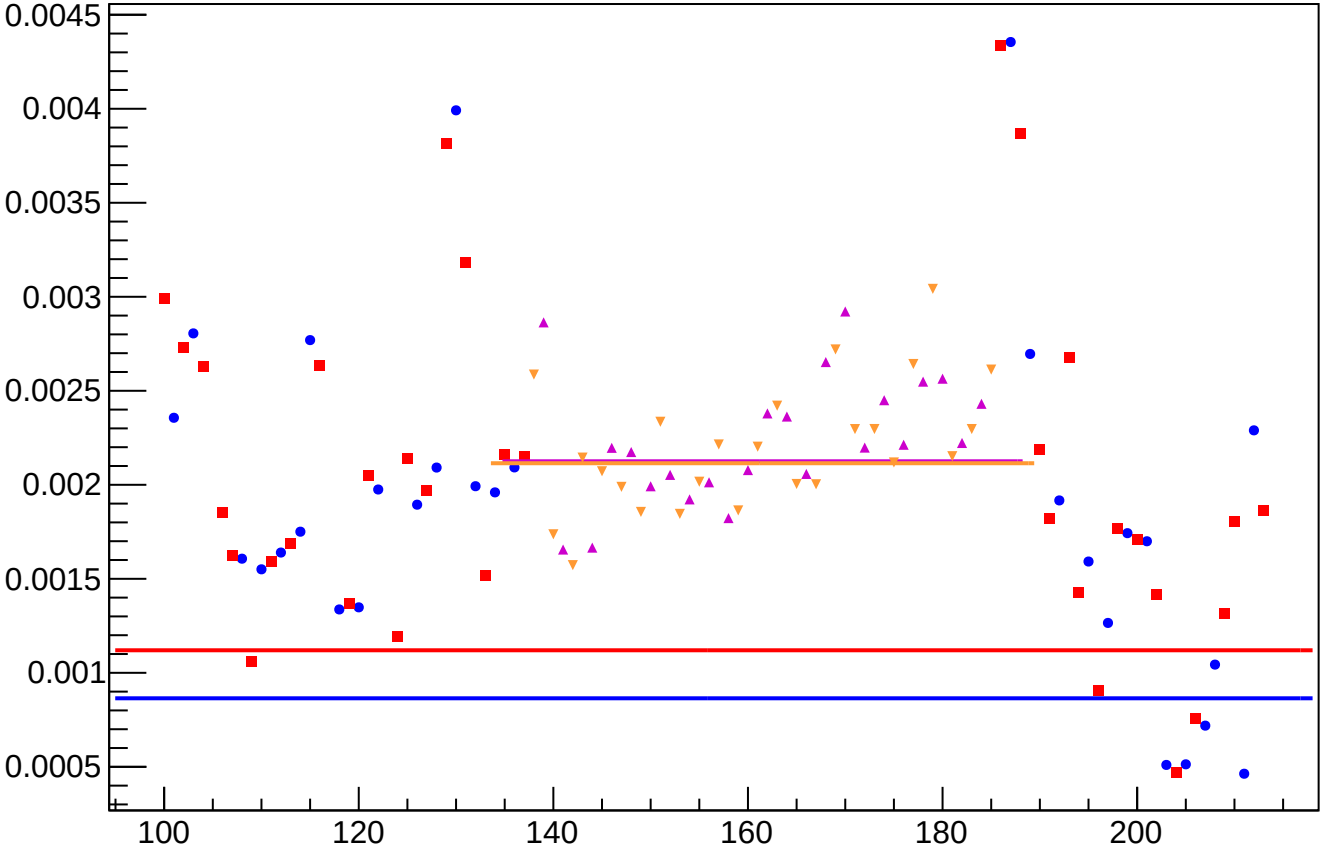
Right: 0.000+/-0.000 χ^2/NDF: 93.7/62

In: 0.000+/-0.000 χ^2/NDF:50.6/51

Out: 0.000+/-0.000 χ^2/NDF:103.8/58

All: 0.000+/-0.000 χ^2/NDF: 156.9/110

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10462453.8/28

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

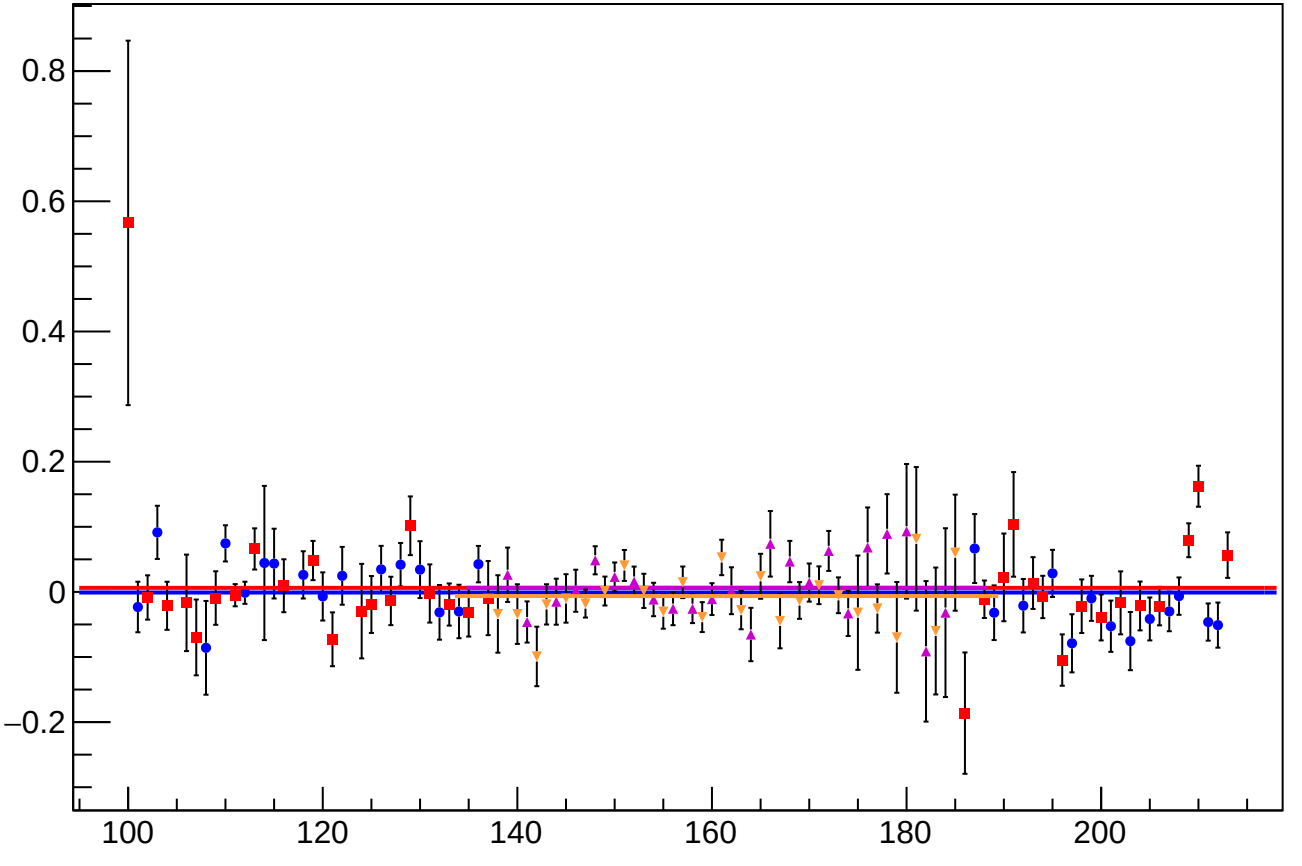
Right: 0.001+/-0.000 χ^2/NDF: 20813761.8/62

In: 0.001+/-0.000 χ^2/NDF:21276631.0/51

Out: 0.001+/-0.000 χ^2/NDF:16286708.5/58

All: 0.001+/-0.000 χ^2/NDF: 38863412.3/110

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.007 χ^2/NDF: 40.5/28

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

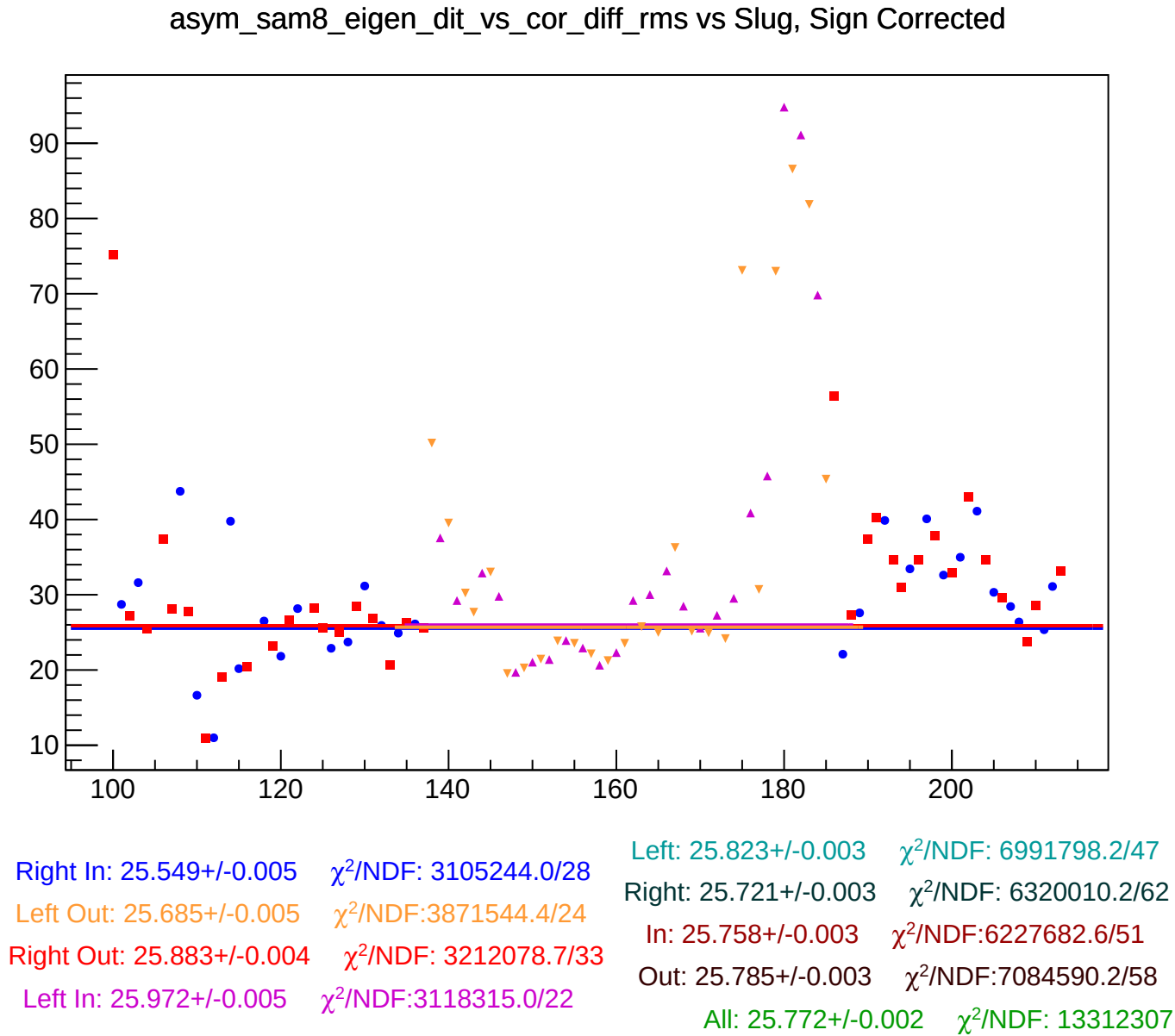
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.003+/-0.005 χ^2/NDF: 117.1/62

In: 0.003+/-0.005 χ^2/NDF:69.5/51

Out: -0.000+/-0.005 χ^2/NDF:100.5/58

All: 0.001+/-0.003 χ^2/NDF: 170.2/110


asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
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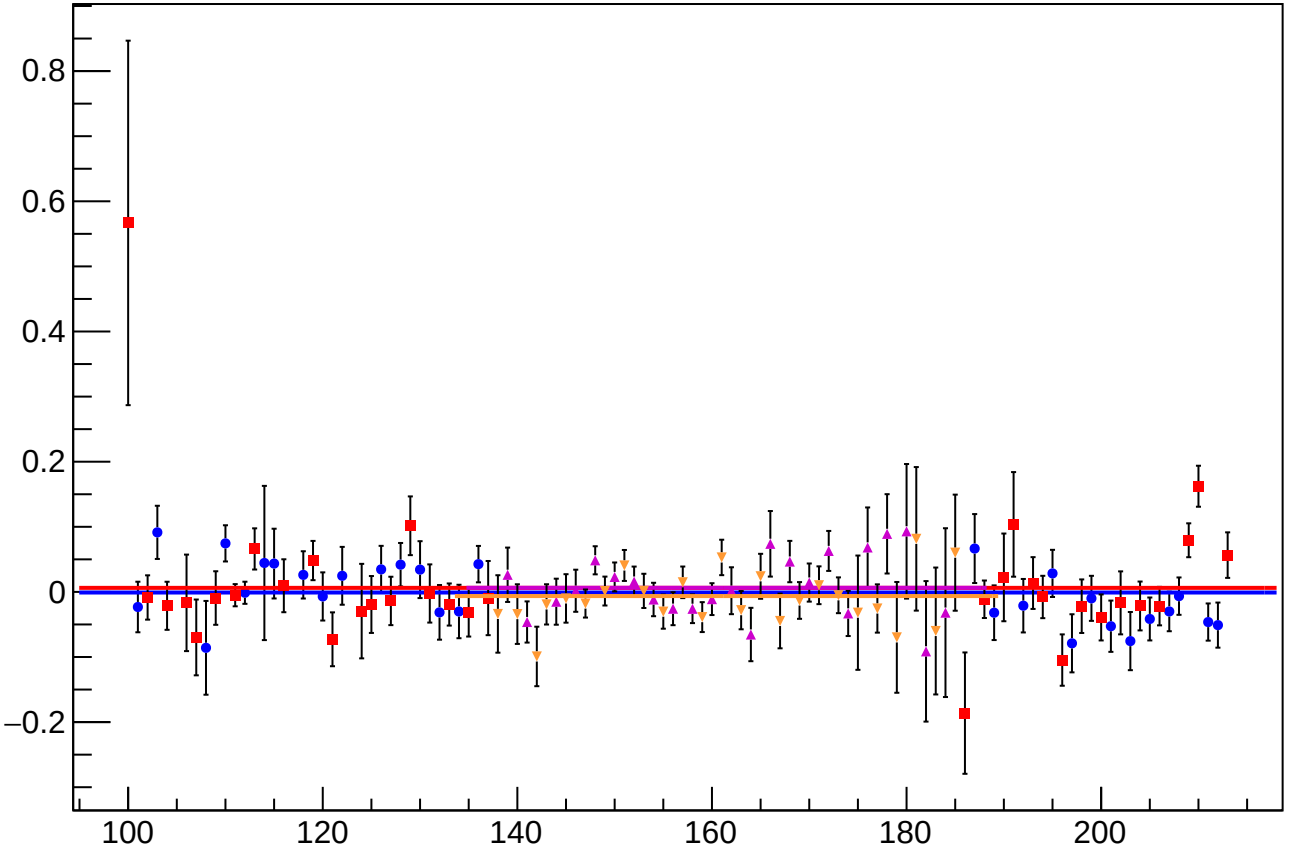
120
140
160
180
200
Right In: 25.549+/-0.005 χ²/NDF: 3105244.0/28
Left Out: 25.685+/-0.005 χ²/NDF:3871544.4/24
Right Out: 25.883+/-0.004 χ²/NDF: 3212078.7/33
Left In: 25.972+/-0.005 χ²/NDF:3118315.0/22
Left: 25.823+/-0.003 χ²/NDF: 6991798.2/47
Right: 25.721+/-0.003 χ²/NDF: 6320010.2/62
In: 25.758+/-0.003 χ²/NDF:6227682.6/51
Out: 25.785+/-0.003 χ²/NDF:7084590.2/58
All: 25.772+/-0.002 χ²/NDF: 13312307.3/110

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.007 χ^2/NDF: 40.5/28

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

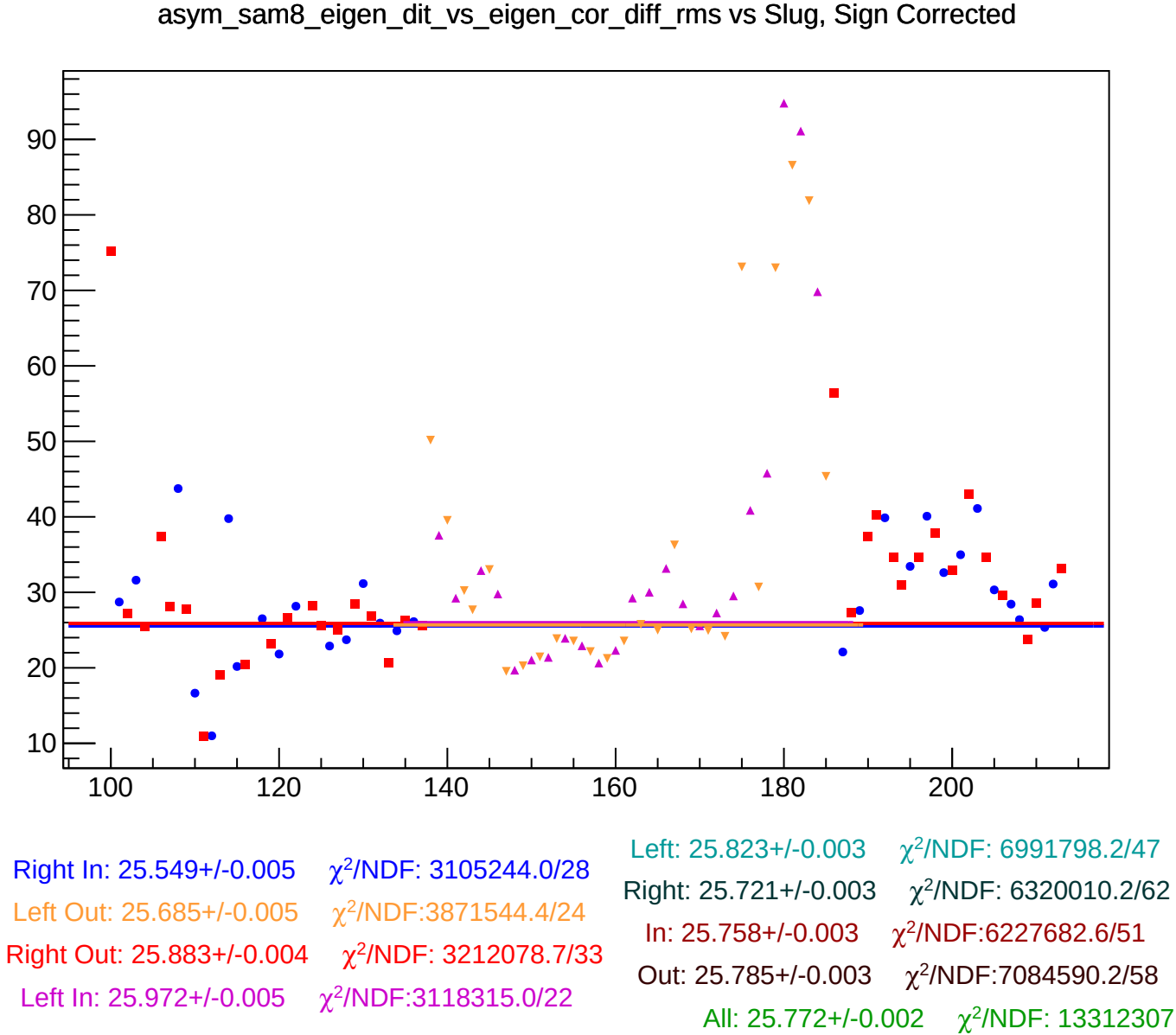
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

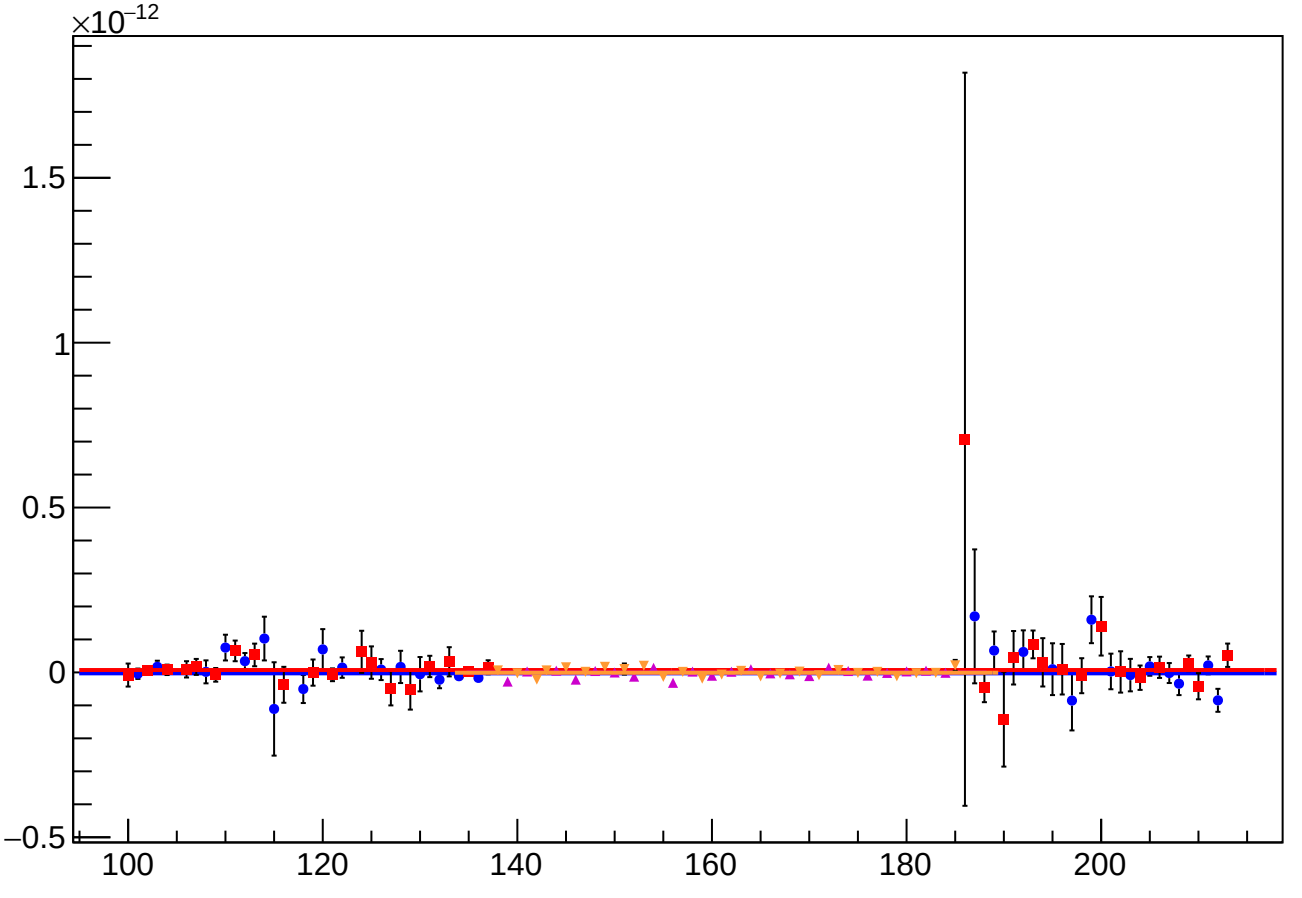
Right: 0.003+/-0.005 χ^2/NDF: 117.1/62

In: 0.003+/-0.005 χ^2/NDF:69.5/51

Out: -0.000+/-0.005 χ^2/NDF:100.5/58

All: 0.001+/-0.003 χ^2/NDF: 170.2/110


asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
120
140
160
180
200
Right In: 25.549+/-0.005 χ²/NDF: 3105244.0/28
Left Out: 25.685+/-0.005 χ²/NDF:3871544.4/24
Right Out: 25.883+/-0.004 χ²/NDF: 3212078.7/33
Left In: 25.972+/-0.005 χ²/NDF:3118315.0/22
Left: 25.823+/-0.003 χ²/NDF: 6991798.2/47
Right: 25.721+/-0.003 χ²/NDF: 6320010.2/62
In: 25.758+/-0.003 χ²/NDF:6227682.6/51
Out: 25.785+/-0.003 χ²/NDF:7084590.2/58
All: 25.772+/-0.002 χ²/NDF: 13312307.3/110



Right In: -0.000+/-0.000 χ^2/NDF: 34.1/28

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

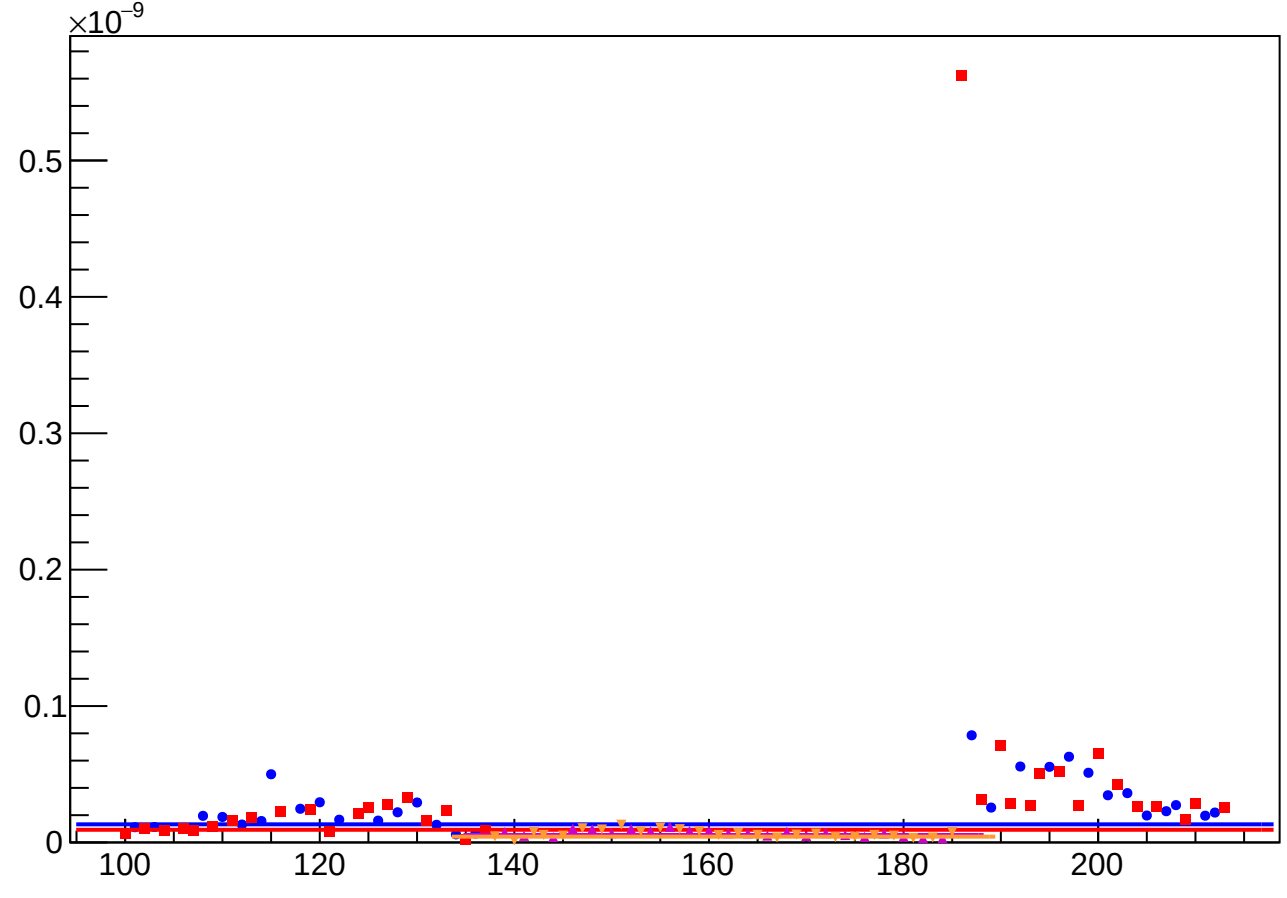
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.2/62

In: -0.000+/-0.000 χ^2/NDF:64.0/51

Out: -0.000+/-0.000 χ^2/NDF:57.1/58

All: -0.000+/-0.000 χ^2/NDF: 121.2/110



Right In: 0.000+/-0.000 χ^2/NDF: 7021910.2/28

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

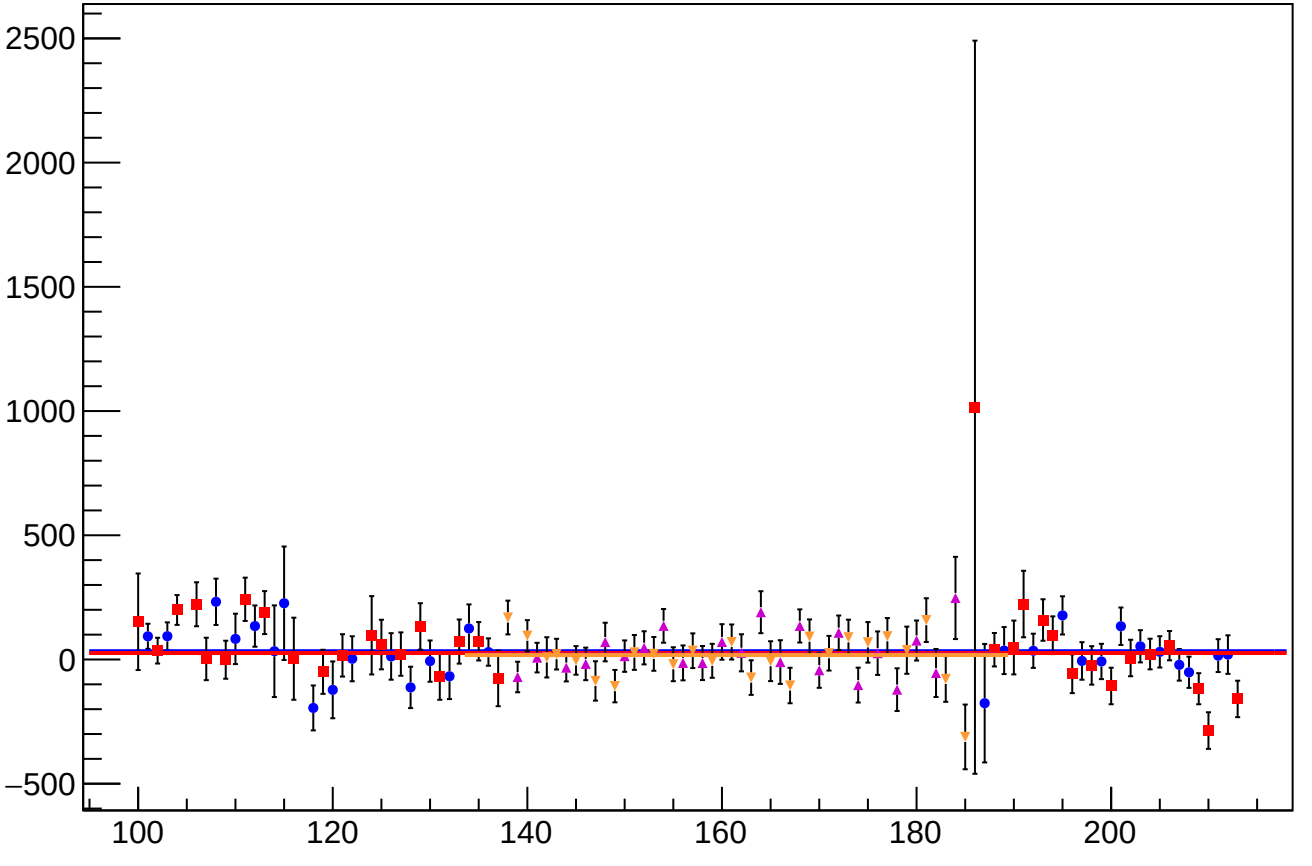
Right: 0.000+/-0.000 χ^2/NDF: 19227815.1/62

In: 0.000+/-0.000 χ^2/NDF:14270226.2/51

Out: 0.000+/-0.000 χ^2/NDF:19582516.2/58

All: 0.000+/-0.000 χ^2/NDF: 34860841.1/110

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 33.277+/-14.368 χ^2/NDF: 32.8/28

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

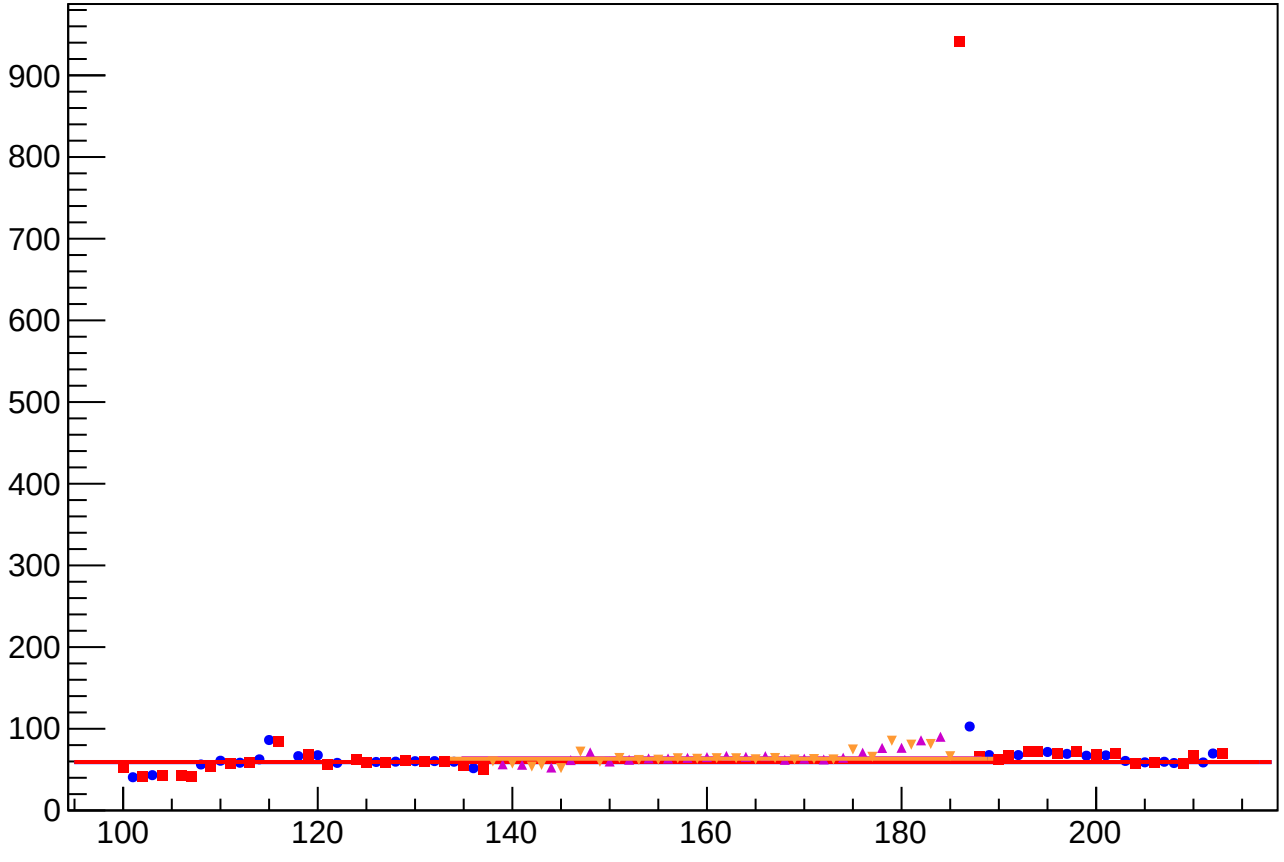
Right: 29.586+/-10.025 χ^2/NDF: 102.2/62

In: 26.771+/-10.389 χ^2/NDF:59.5/51

Out: 22.088+/-10.068 χ^2/NDF:101.0/58

All: 24.356+/-7.230 χ^2/NDF: 160.6/110

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.085+/-0.010 χ^2/NDF: 816081.3/28

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

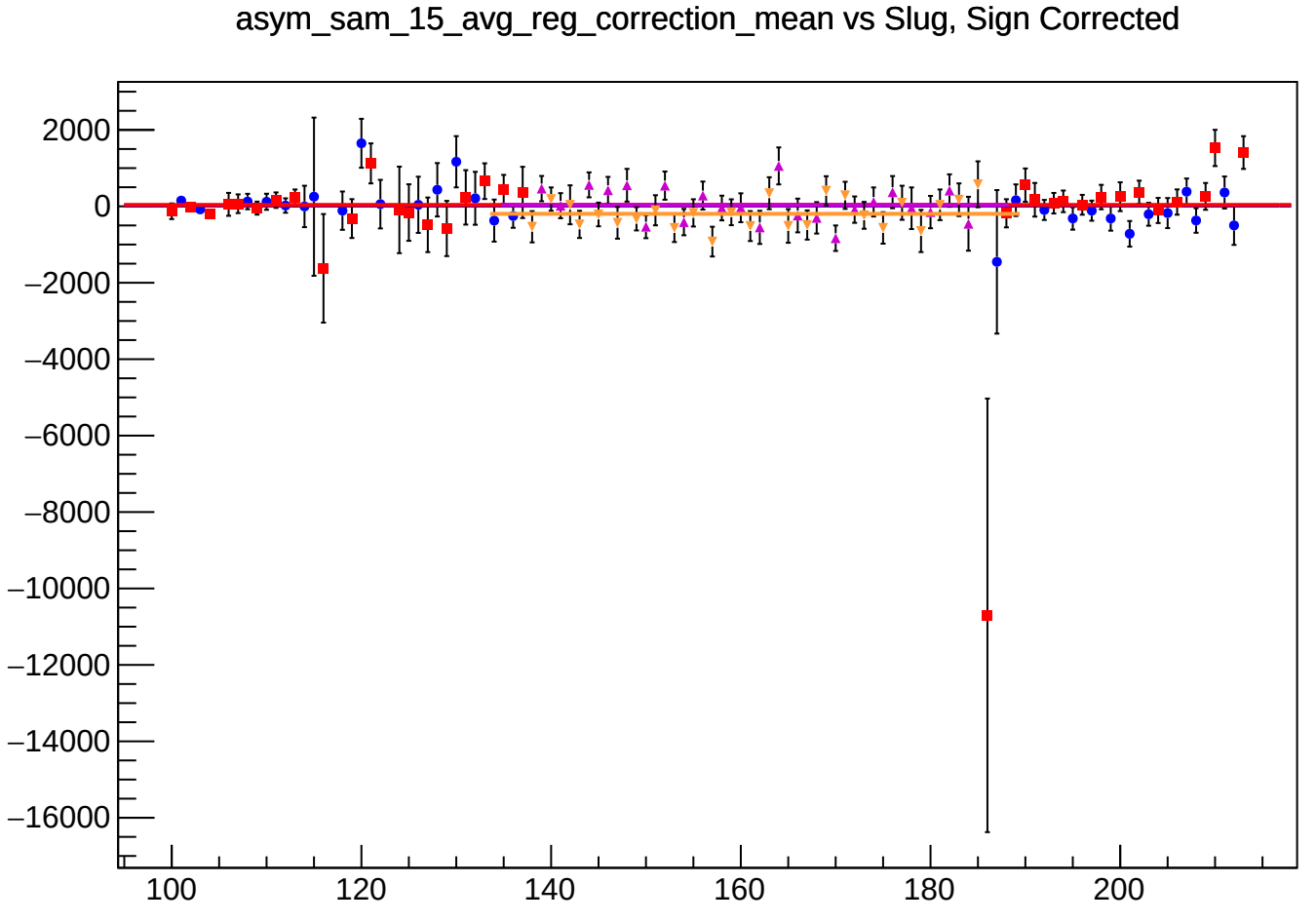
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 59.212+/-0.007 χ^2/NDF: 2532353.9/62

In: 61.391+/-0.007 χ^2/NDF:1369373.4/51

Out: 61.252+/-0.007 χ^2/NDF:2291445.6/58

All: 61.320+/-0.005 χ^2/NDF: 3661003.4/110



Right In: 19.459+/-41.759 χ^2/NDF: 30.2/28

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

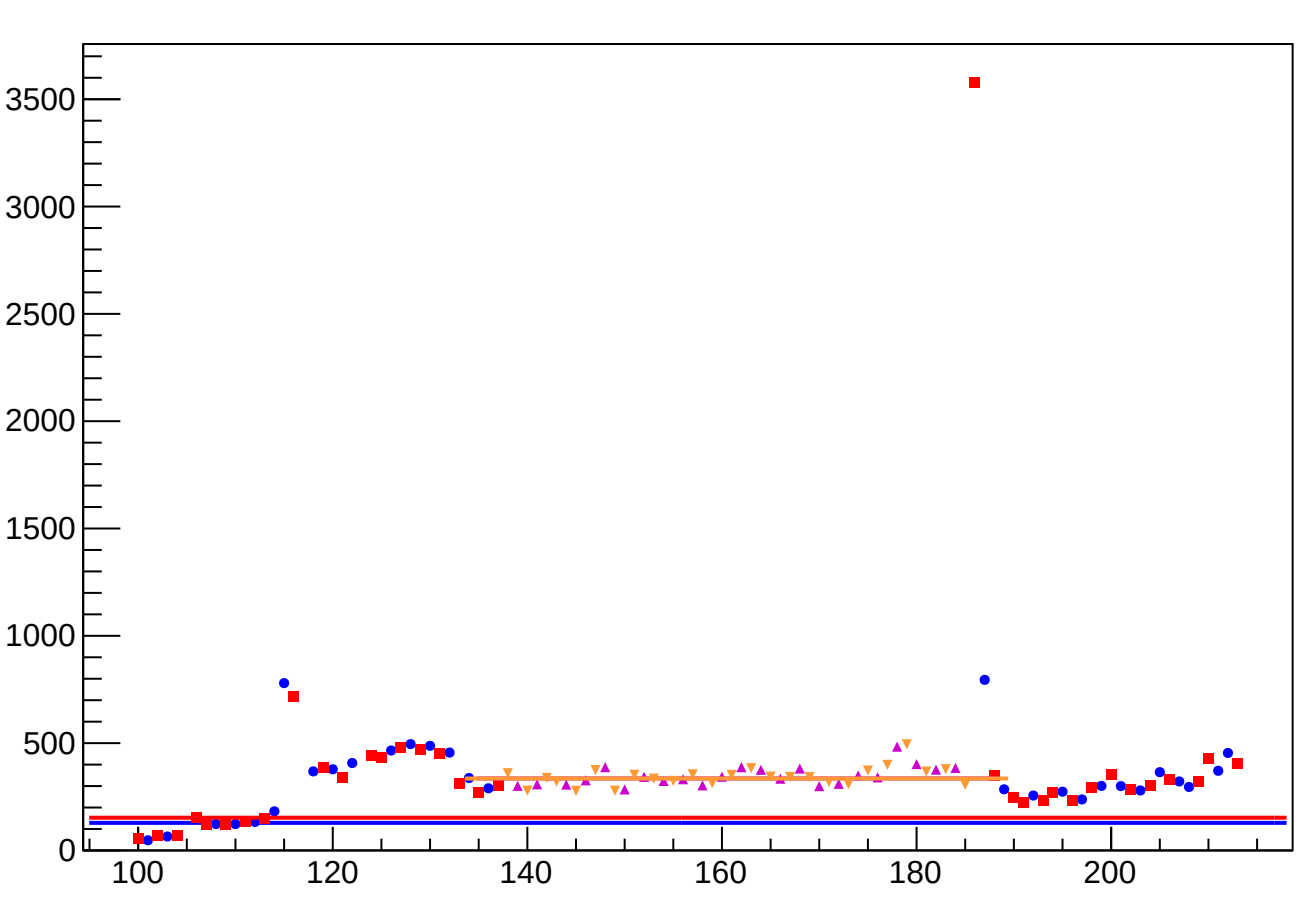
Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

Right: 27.926+/-30.261 χ^2/NDF: 78.3/62

In: 23.147+/-36.940 χ^2/NDF:61.4/51

Out: -19.853+/-38.157 χ^2/NDF:75.5/58

All: 2.343+/-26.540 χ^2/NDF: 137.5/110



Right In: 128.596+/-0.030 χ^2/NDF: 14943810.0/28

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

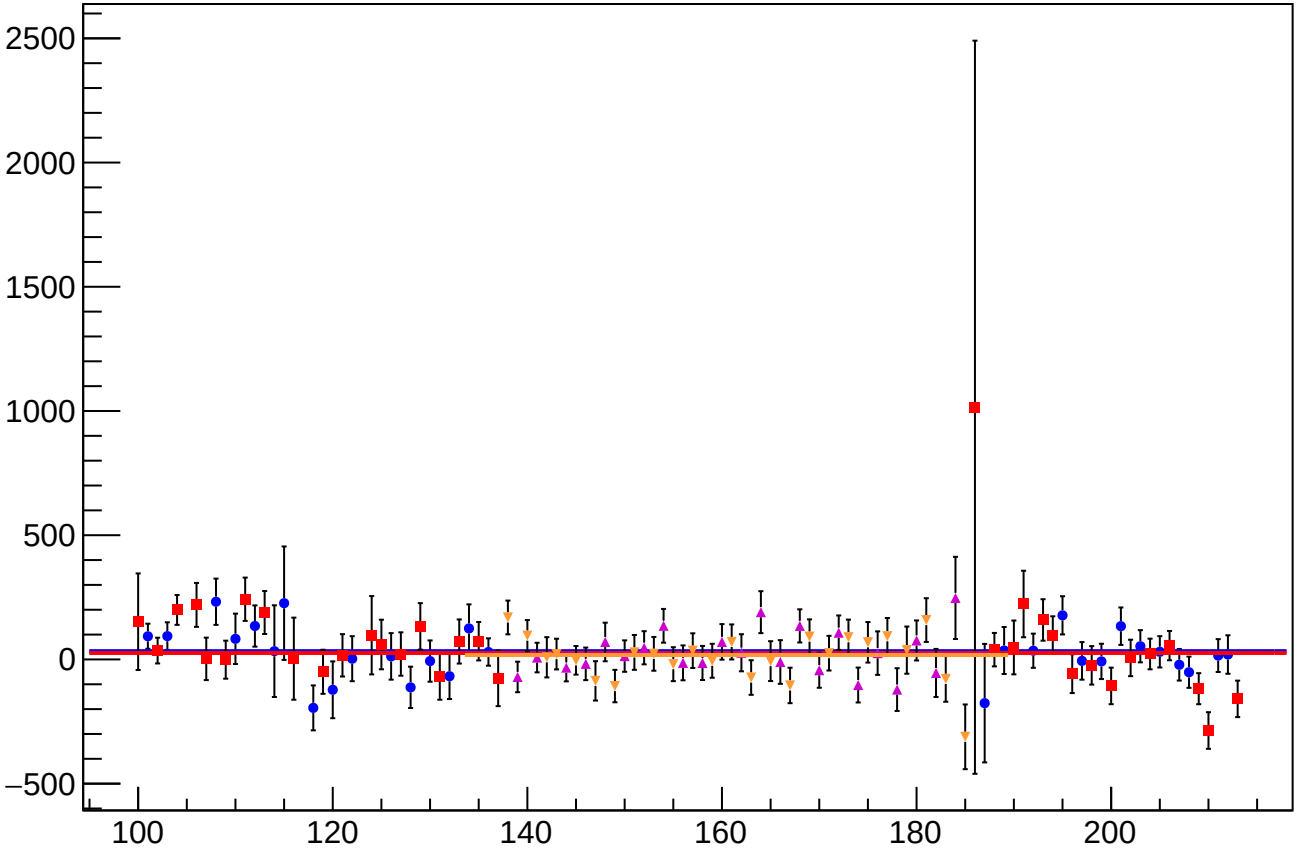
Right: 139.938+/-0.021 χ^2/NDF: 28479532.2/62

In: 173.601+/-0.026 χ^2/NDF:26119870.0/51

Out: 197.264+/-0.027 χ^2/NDF:22278882.7/58

All: 185.049+/-0.019 χ^2/NDF: 48795796.6/11

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 33.283+/-14.368 χ^2/NDF: 32.8/28

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

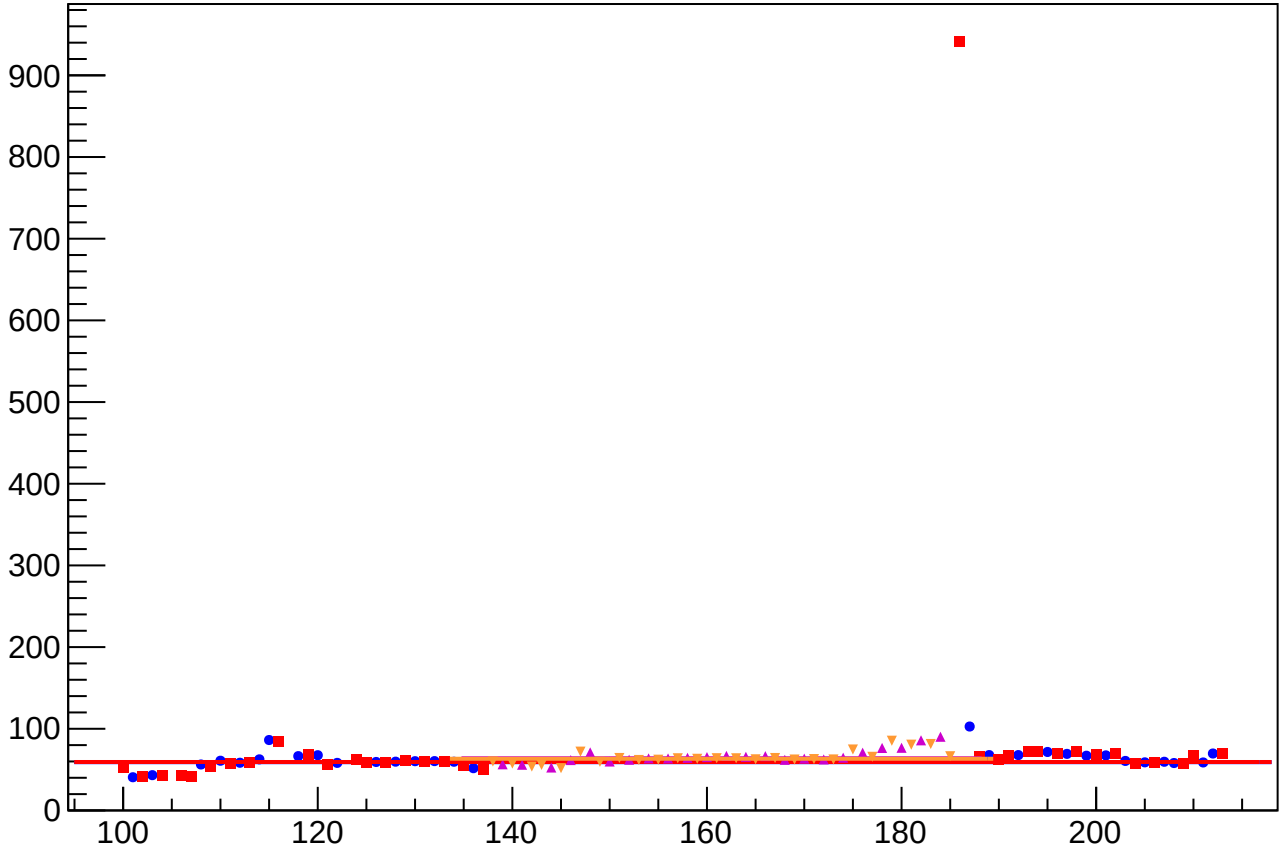
Right: 29.553+/-10.025 χ^2/NDF: 102.1/62

In: 26.774+/-10.389 χ^2/NDF:59.5/51

Out: 22.054+/-10.068 χ^2/NDF:100.9/58

All: 24.340+/-7.230 χ^2/NDF: 160.5/110

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.085+/-0.010 χ^2/NDF: 816080.3/28

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

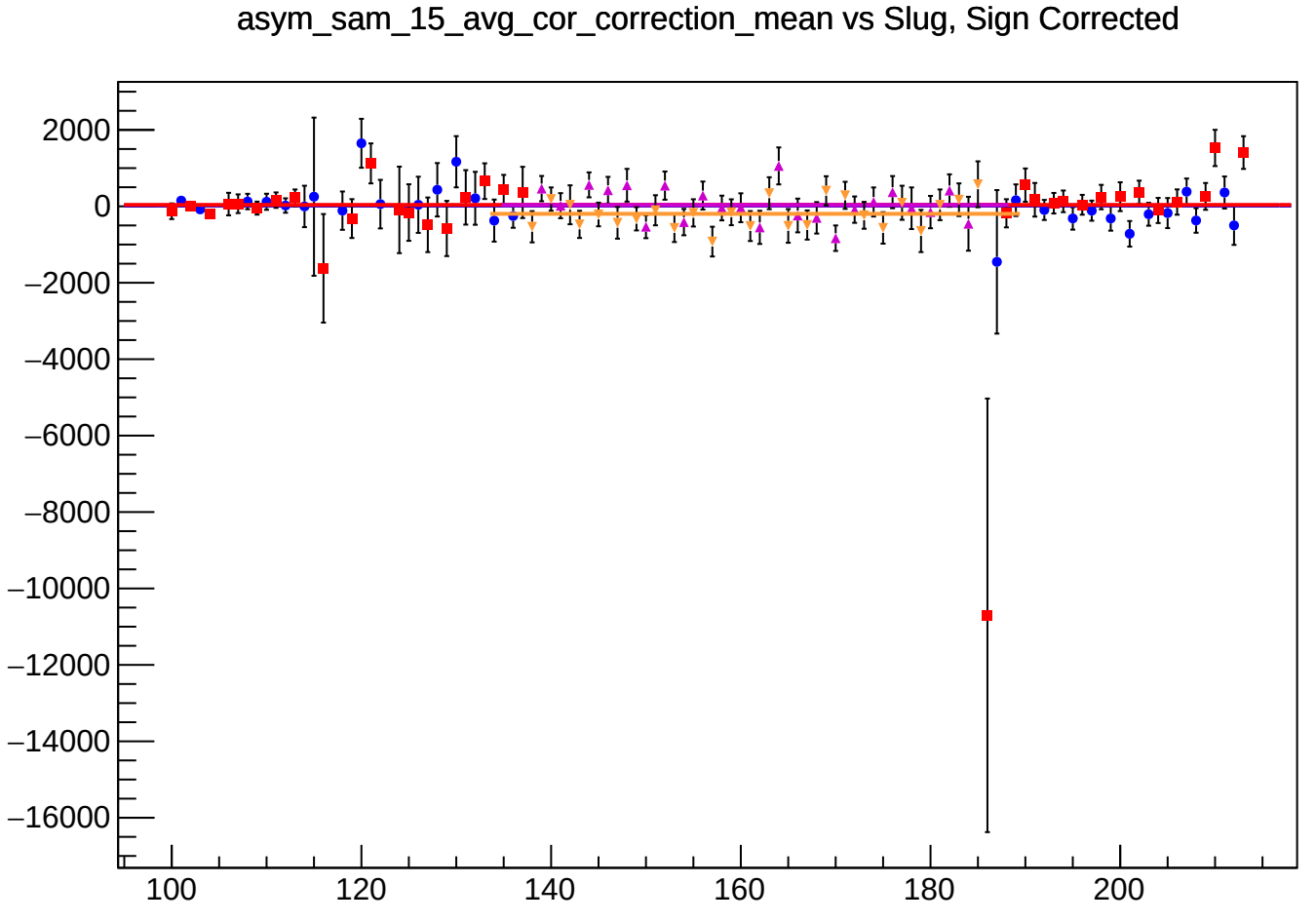
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.212+/-0.007 χ^2/NDF: 2532776.4/62

In: 61.391+/-0.007 χ^2/NDF:1369372.2/51

Out: 61.252+/-0.007 χ^2/NDF:2291894.4/58

All: 61.319+/-0.005 χ^2/NDF: 3661451.8/110



Right In: 19.464+/-41.759 χ^2/NDF: 30.2/28

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

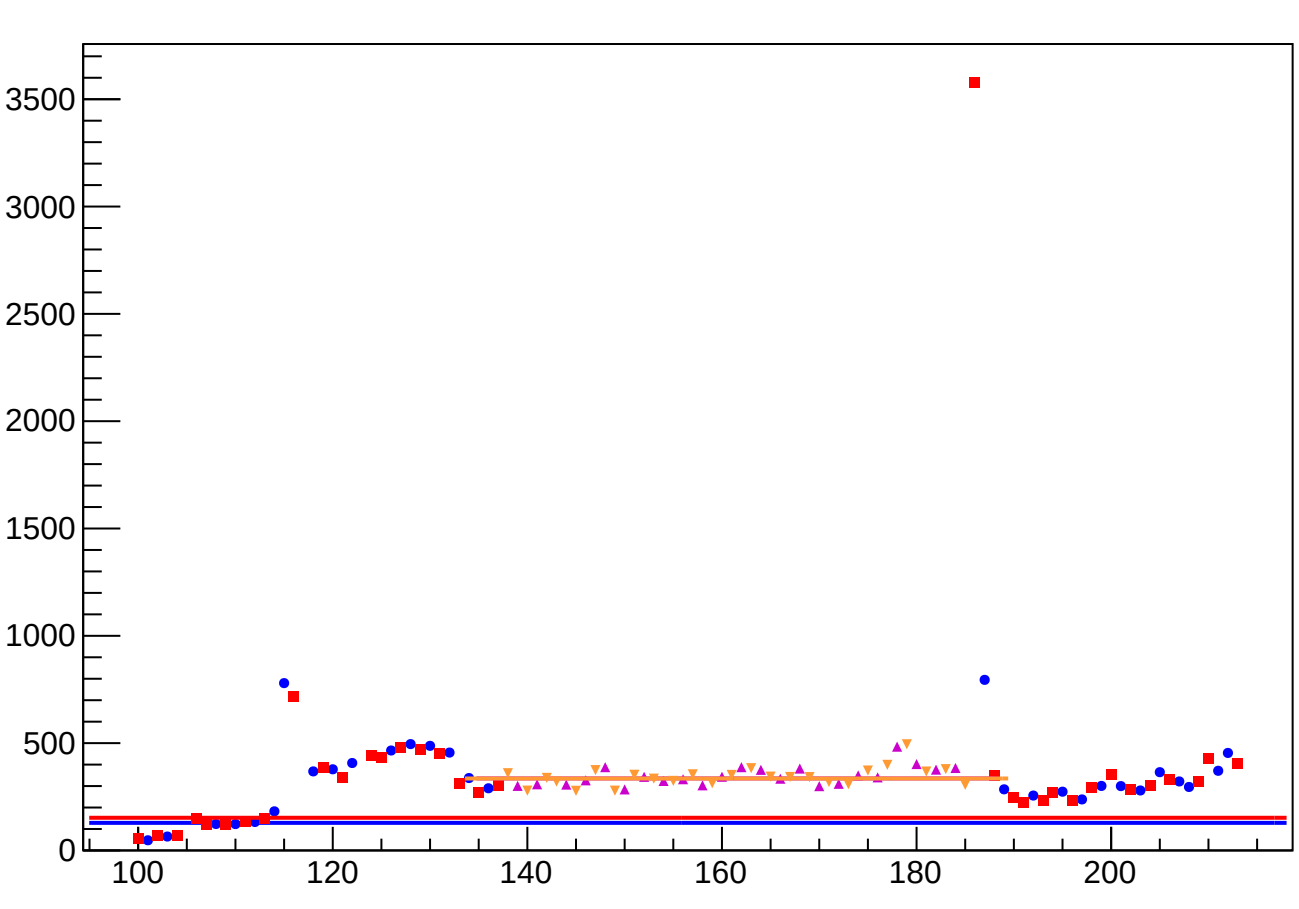
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 28.055+/-30.252 χ^2/NDF: 78.3/62

In: 23.150+/-36.940 χ^2/NDF:61.4/51

Out: -19.604+/-38.138 χ^2/NDF:75.5/58

All: 2.455+/-26.534 χ^2/NDF: 137.5/110



Right In: 128.593+/-0.030 χ^2/NDF: 14944148.0/28

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

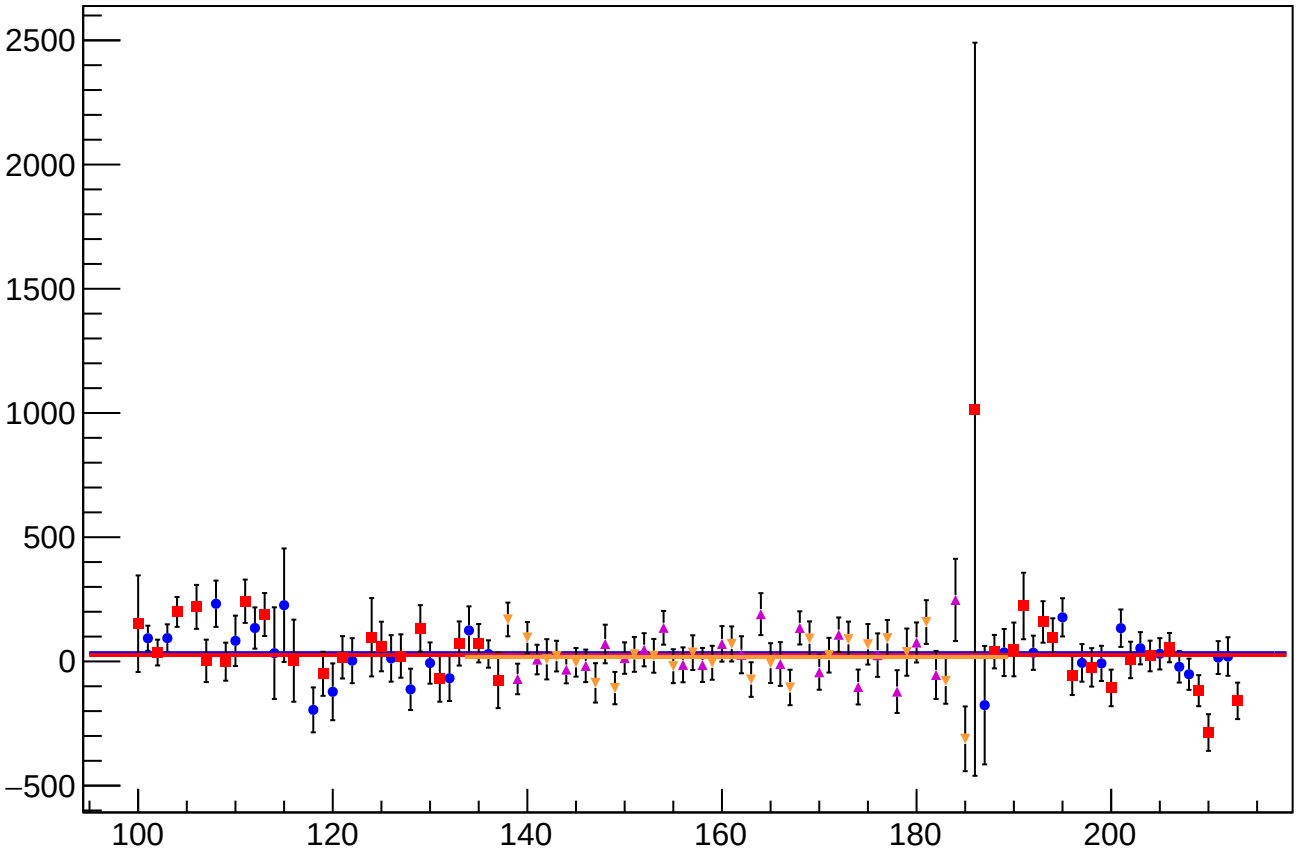
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 139.852+/-0.021 χ^2/NDF: 28482253.2/62

In: 173.597+/-0.026 χ^2/NDF:26120643.6/51

Out: 197.074+/-0.027 χ^2/NDF:22306659.0/58

All: 184.961+/-0.019 χ^2/NDF: 48818333.3/1



Right In: 33.283+/-14.368 χ^2/NDF: 32.8/28

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

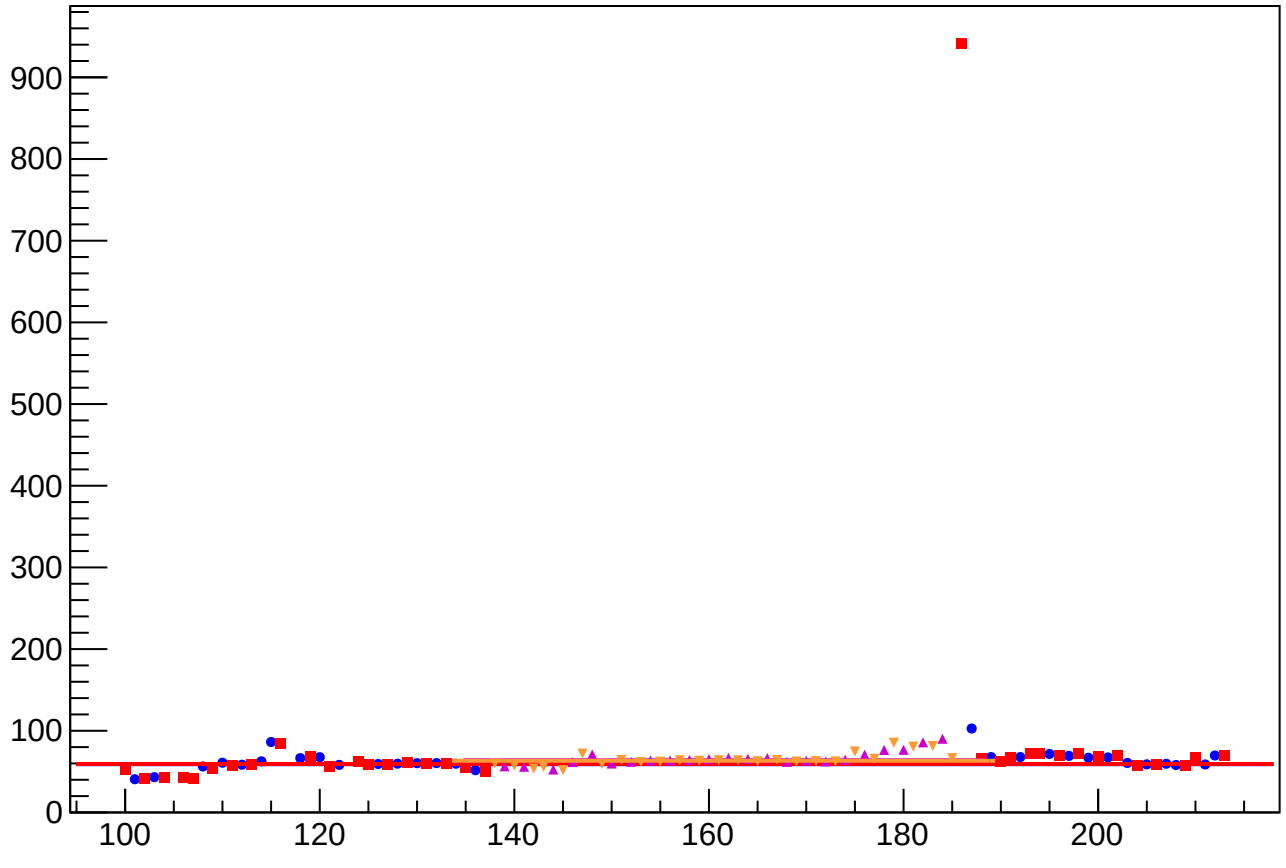
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 29.553+/-10.025 χ^2/NDF: 102.1/62

In: 26.774+/-10.389 χ^2/NDF:59.5/51

Out: 22.054+/-10.068 χ^2/NDF:100.9/58

All: 24.340+/-7.230 χ^2/NDF: 160.5/110



Right In: 59.085+/-0.010 χ^2/NDF: 816080.3/28

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

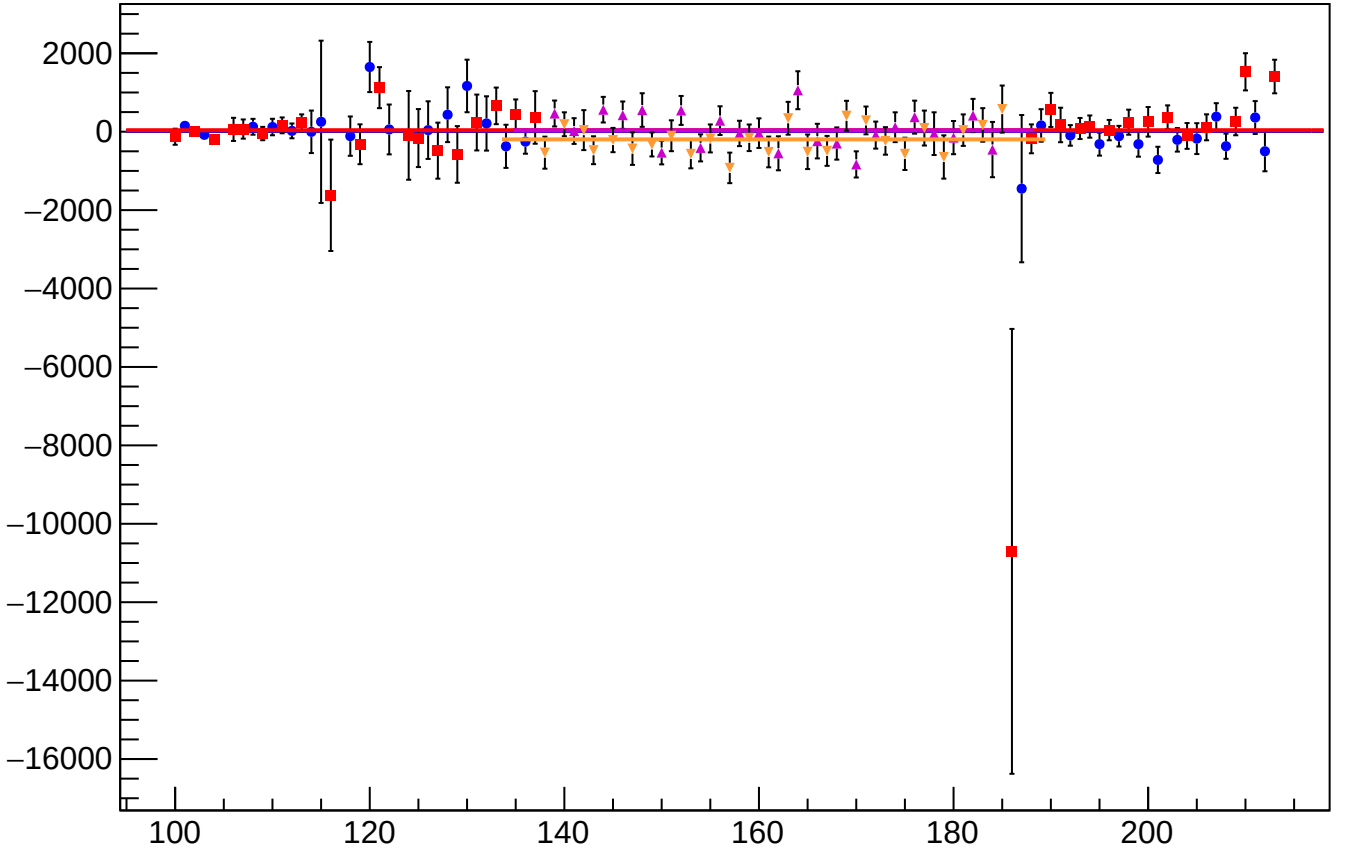
Right: 59.212+/-0.007 χ^2/NDF: 2532776.4/62

In: 61.391+/-0.007 χ^2/NDF:1369372.2/51

Out: 61.252+/-0.007 χ^2/NDF:2291894.4/58

All: 61.319+/-0.005 χ^2/NDF: 3661451.8/110

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 19.464+/-41.759 χ^2/NDF: 30.2/28

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

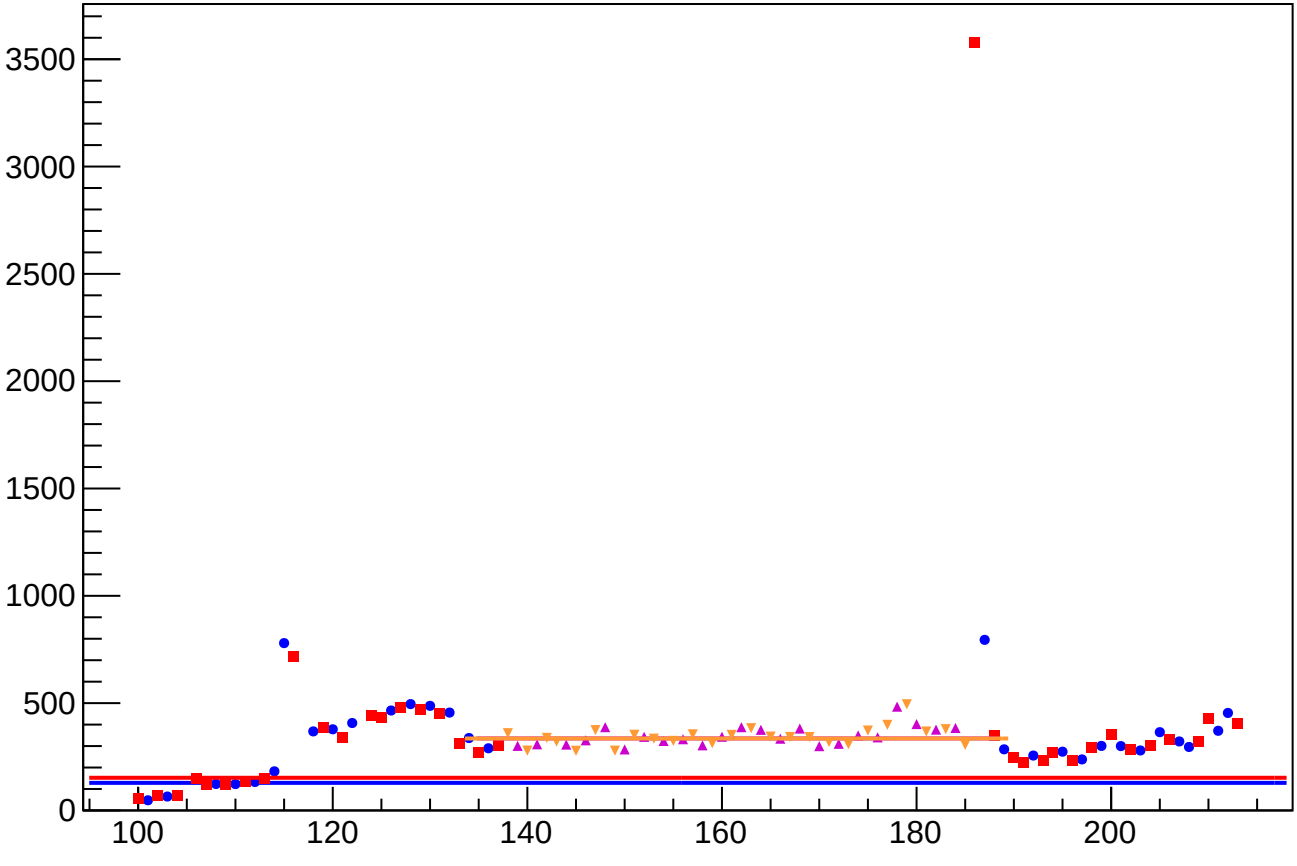
Right: 28.055+/-30.252 χ^2/NDF: 78.3/62

In: 23.150+/-36.940 χ^2/NDF:61.4/51

Out: -19.604+/-38.138 χ^2/NDF:75.5/58

All: 2.455+/-26.534 χ^2/NDF: 137.5/110

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 128.593+/-0.030 χ^2/NDF: 14944148.0/28

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

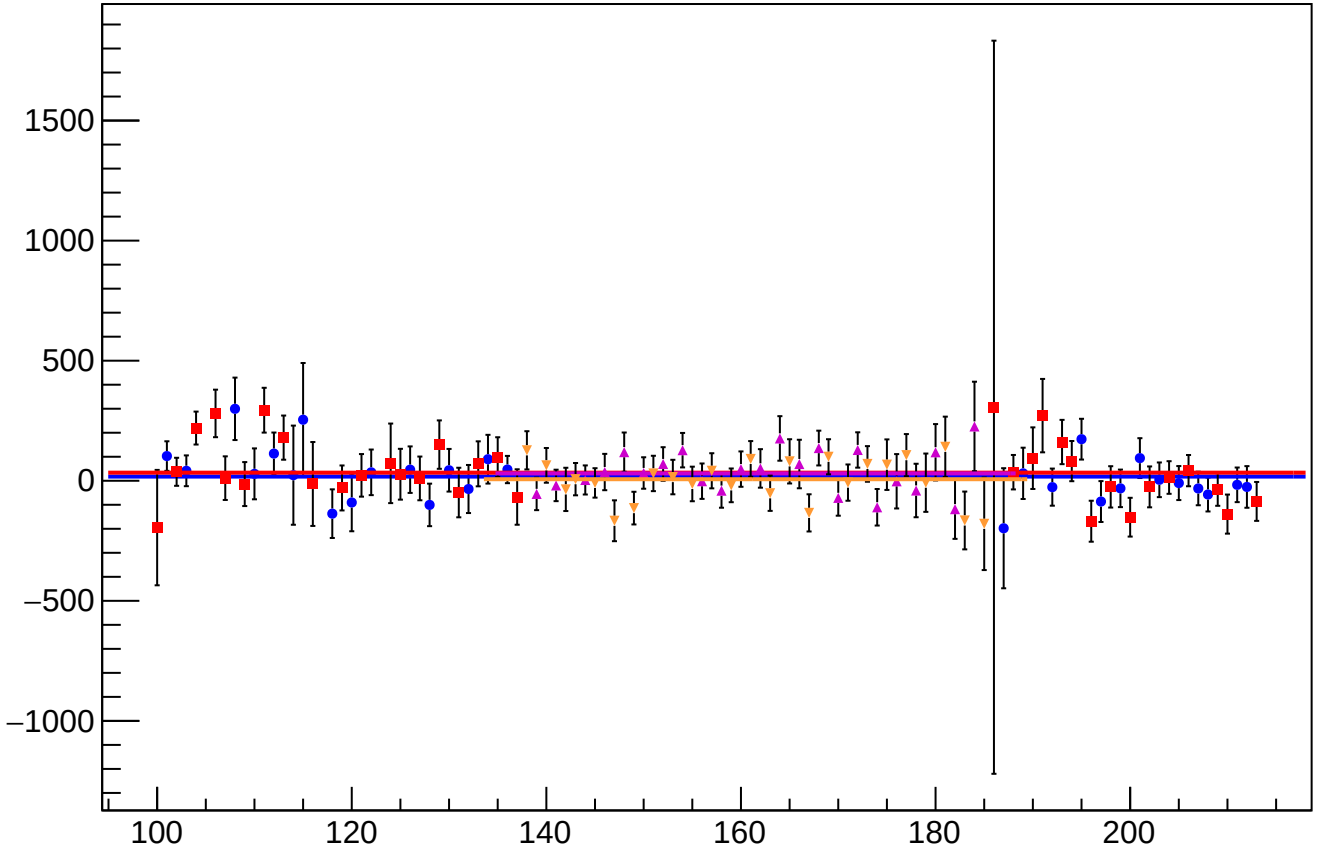
Right: 139.852+/-0.021 χ^2/NDF: 28482253.2/62

In: 173.597+/-0.026 χ^2/NDF:26120643.6/51

Out: 197.074+/-0.027 χ^2/NDF:22306659.0/58

All: 184.961+/-0.019 χ^2/NDF: 48818333.3/11

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 17.411+/-15.907 χ^2/NDF: 24.6/28

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

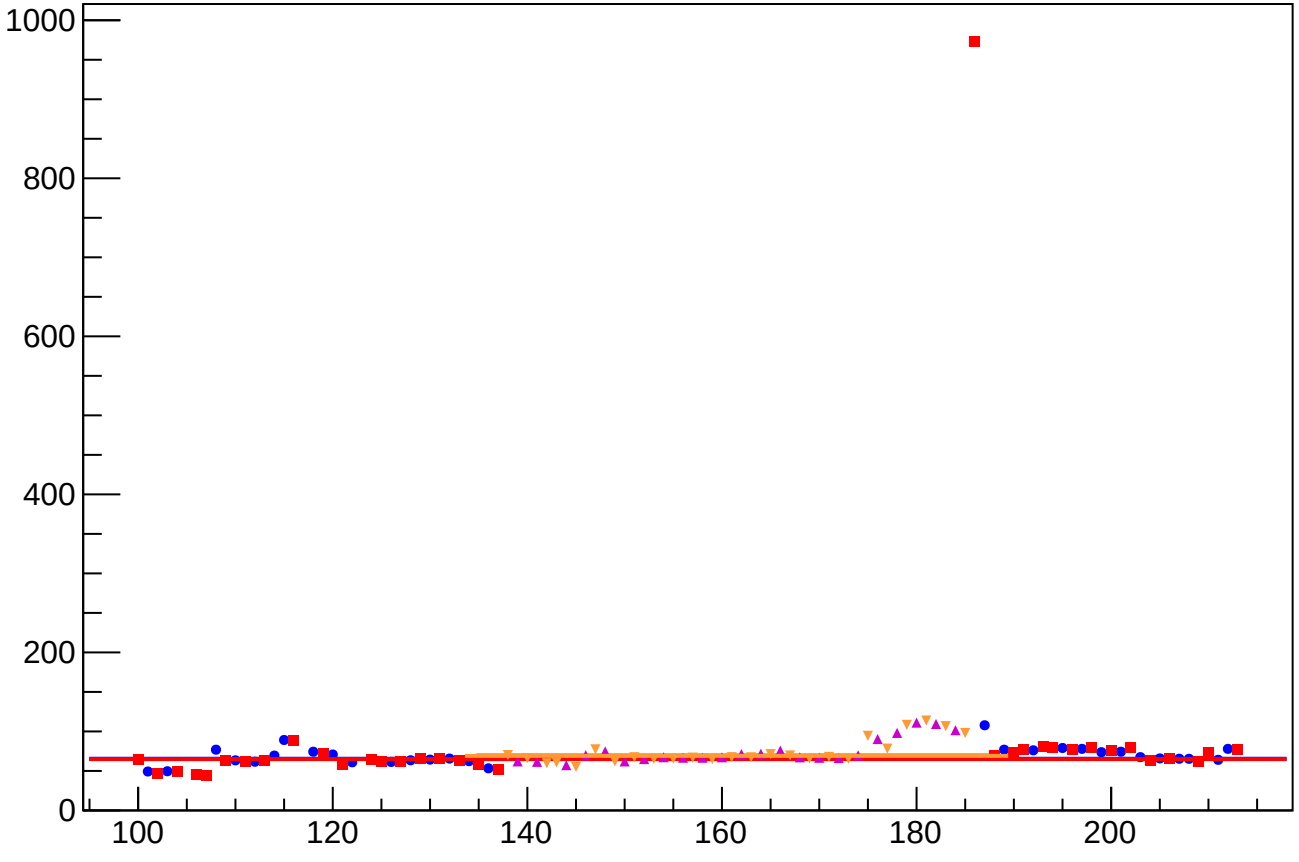
Right: 25.867+/-11.047 χ^2/NDF: 79.1/62

In: 23.793+/-11.453 χ^2/NDF:47.4/51

Out: 20.651+/-11.070 χ^2/NDF:80.5/58

All: 22.168+/-7.960 χ^2/NDF: 127.9/110

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 65.414+/-0.011 χ^2/NDF: 724872.5/28

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

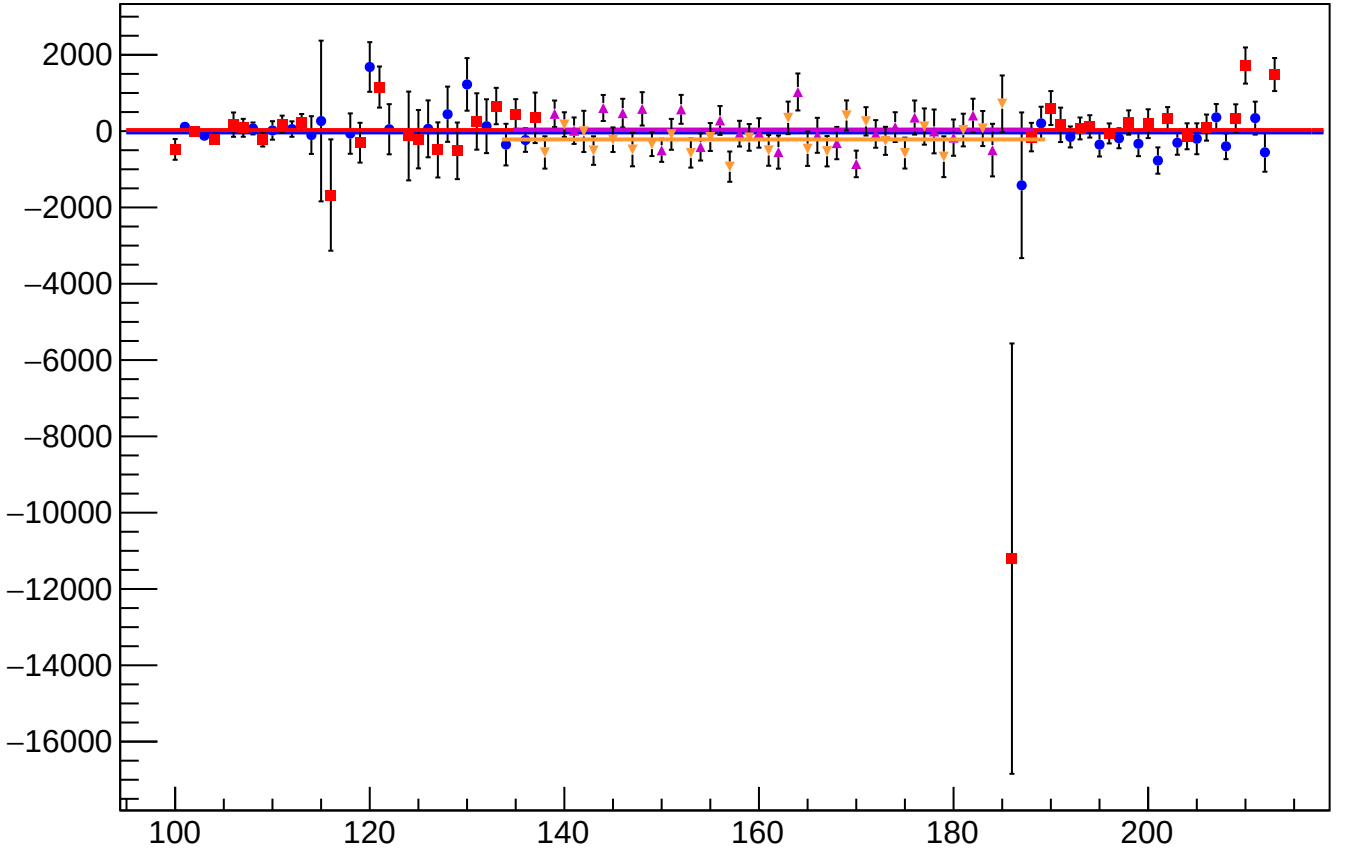
Right: 65.187+/-0.008 χ^2/NDF: 2435008.2/62

In: 67.351+/-0.008 χ^2/NDF:1711058.1/51

Out: 66.945+/-0.008 χ^2/NDF:2851928.1/58

All: 67.141+/-0.006 χ^2/NDF: 4564287.2/110

asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -33.635+/-47.024 χ^2/NDF: 28.6/28

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

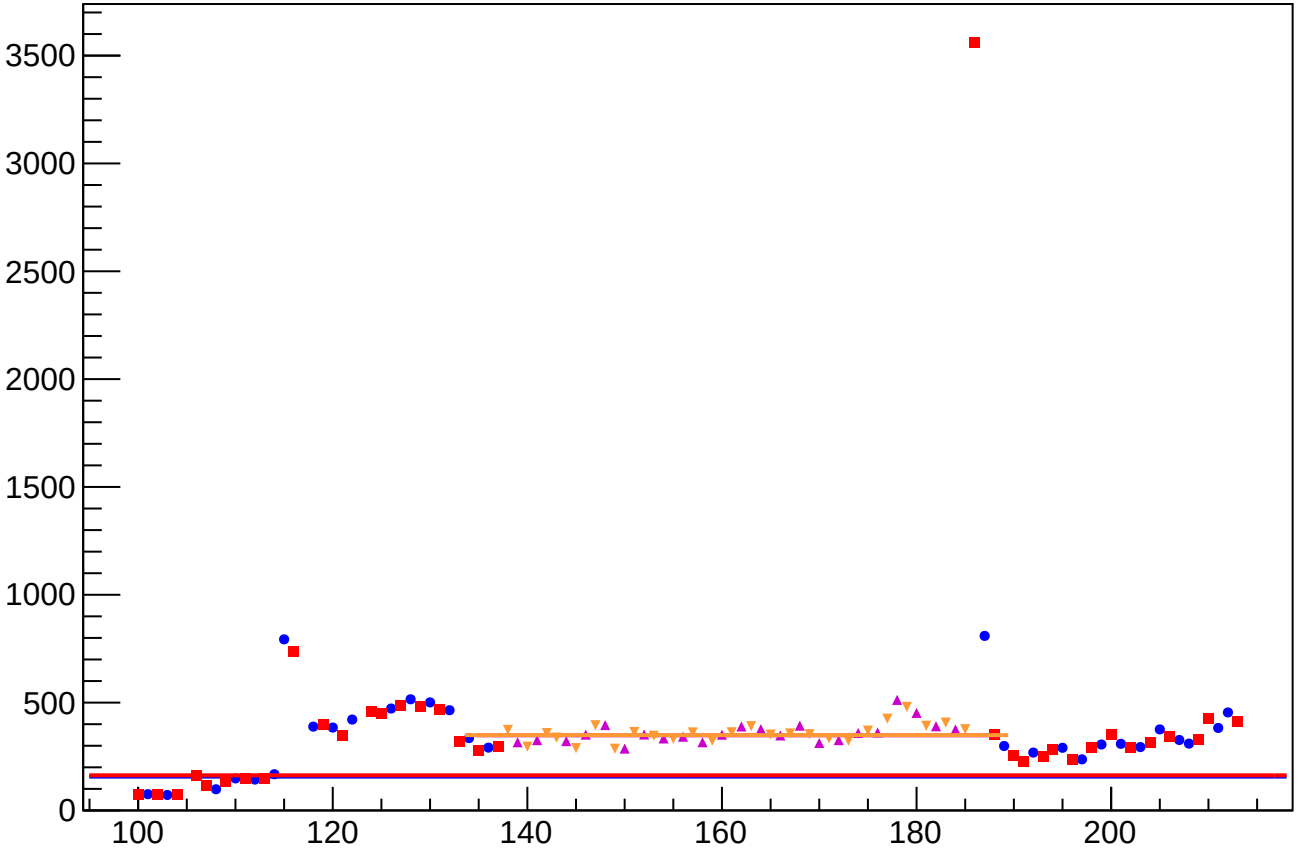
Right: -2.098+/-32.920 χ^2/NDF: 85.6/62

In: -15.125+/-40.824 χ^2/NDF:59.2/51

Out: -32.851+/-39.960 χ^2/NDF:82.4/58

All: -24.177+/-28.556 χ^2/NDF: 141.8/110

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 157.002+/-0.033 χ^2/NDF: 12178567.7/28

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

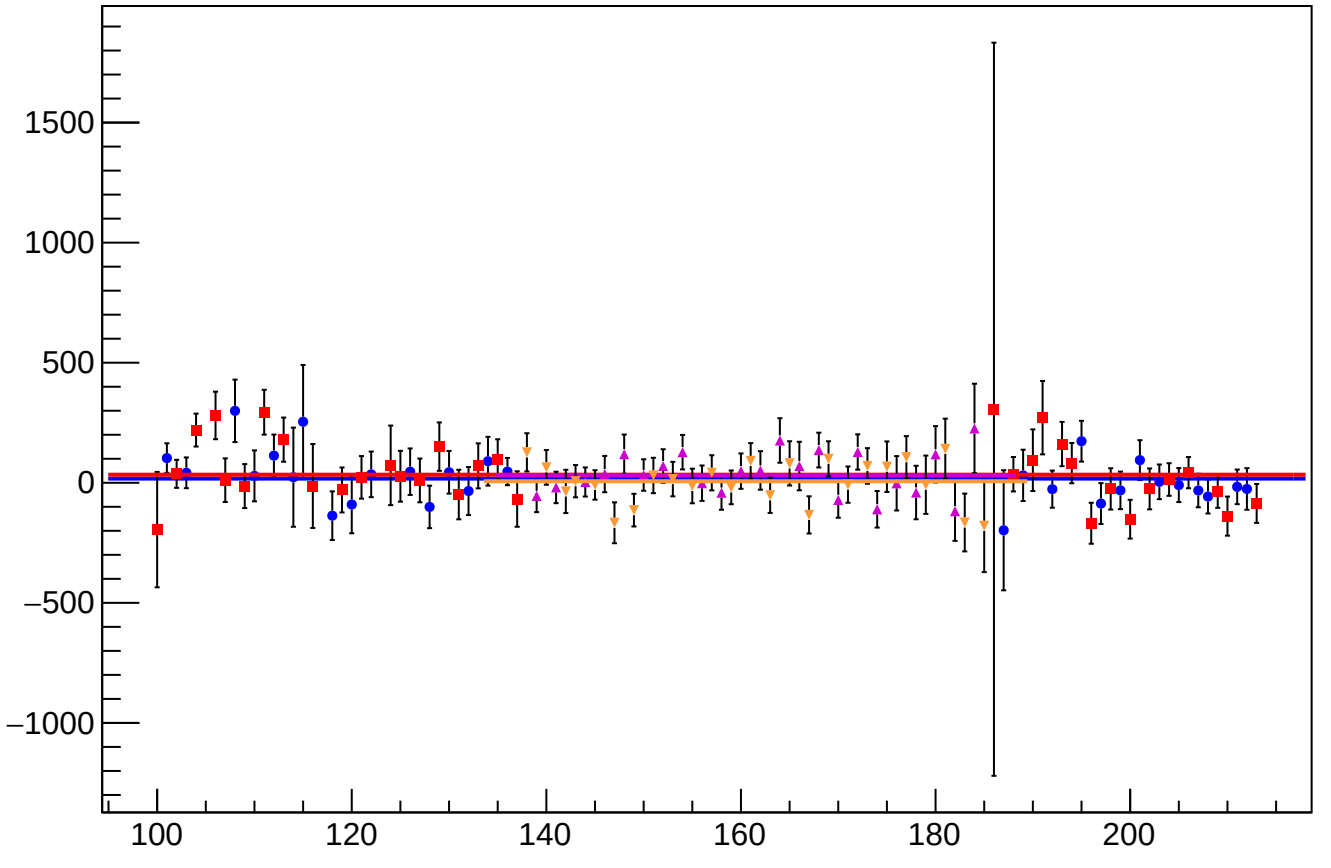
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 160.024+/-0.023 χ^2/NDF: 24714323.2/62

In: 204.185+/-0.029 χ^2/NDF:20879257.4/51

Out: 209.242+/-0.028 χ^2/NDF:21161142.4/58

All: 206.768+/-0.020 χ^2/NDF: 42056074.3/11



Right In: 17.411+/-15.907 χ^2/NDF: 24.6/28

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

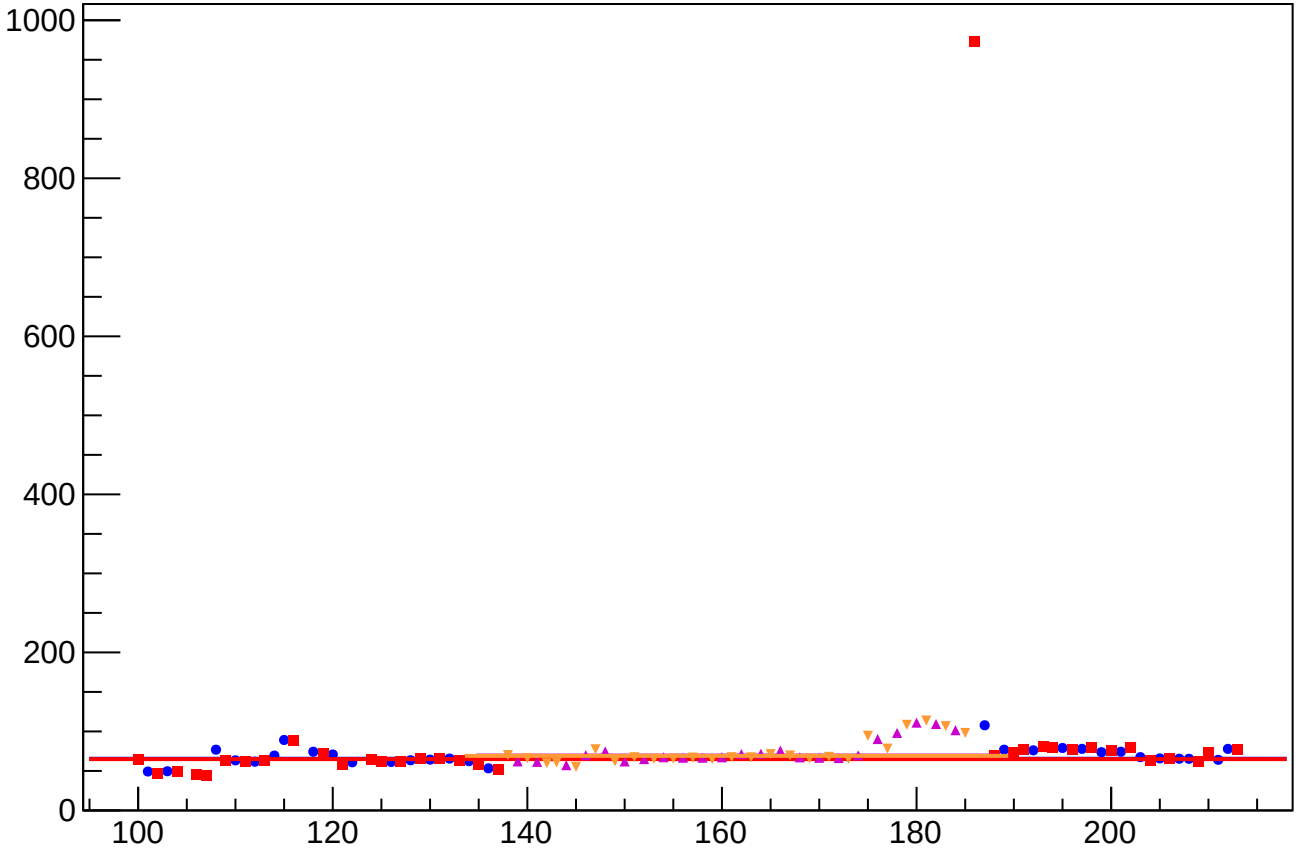
Right: 25.867+/-11.047 χ^2/NDF: 79.1/62

In: 23.793+/-11.453 χ^2/NDF:47.4/51

Out: 20.651+/-11.070 χ^2/NDF:80.5/58

All: 22.168+/-7.960 χ^2/NDF: 127.9/110

eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 65.414+/-0.011 χ^2/NDF: 724870.4/28

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

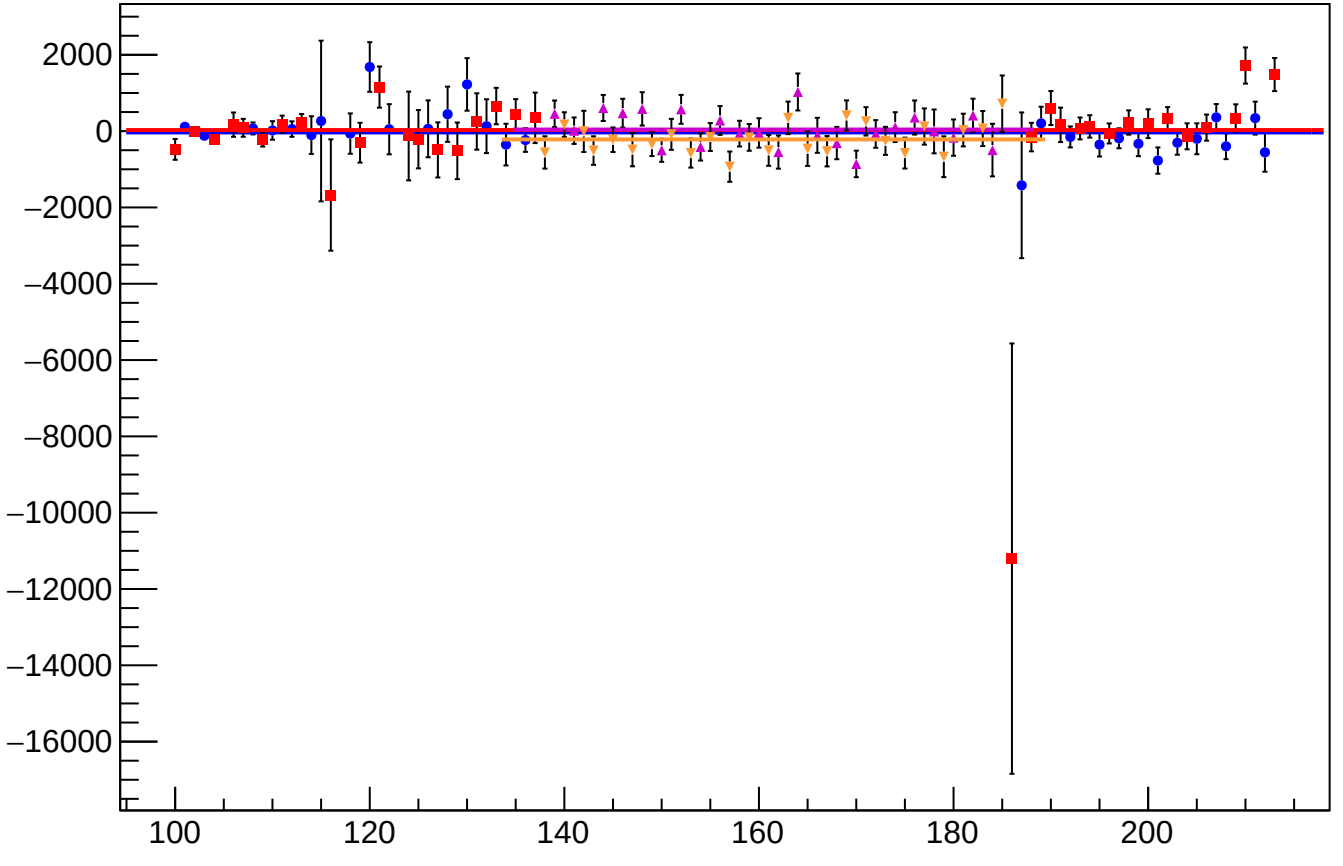
Right: 65.187+/-0.008 χ^2/NDF: 2435004.5/62

In: 67.351+/-0.008 χ^2/NDF:1711047.2/51

Out: 66.945+/-0.008 χ^2/NDF:2851914.3/58

All: 67.141+/-0.006 χ^2/NDF: 4564262.7/110

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -33.635+/-47.024 χ^2/NDF: 28.6/28

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

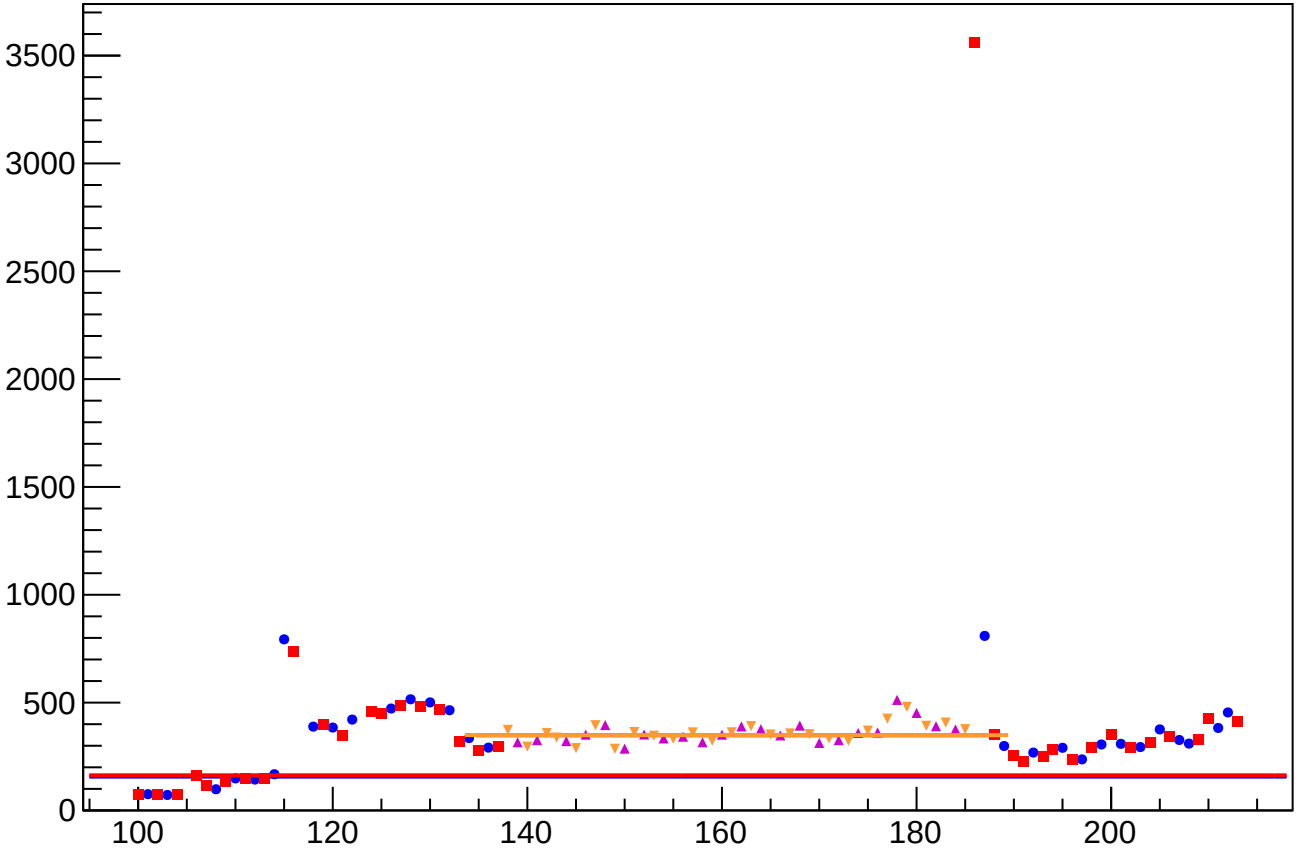
Right: -2.098+/-32.920 χ^2/NDF: 85.6/62

In: -15.125+/-40.824 χ^2/NDF:59.2/51

Out: -32.850+/-39.960 χ^2/NDF:82.4/58

All: -24.177+/-28.556 χ^2/NDF: 141.8/110

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 157.002+/-0.033 χ^2/NDF: 12178579.7/28

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

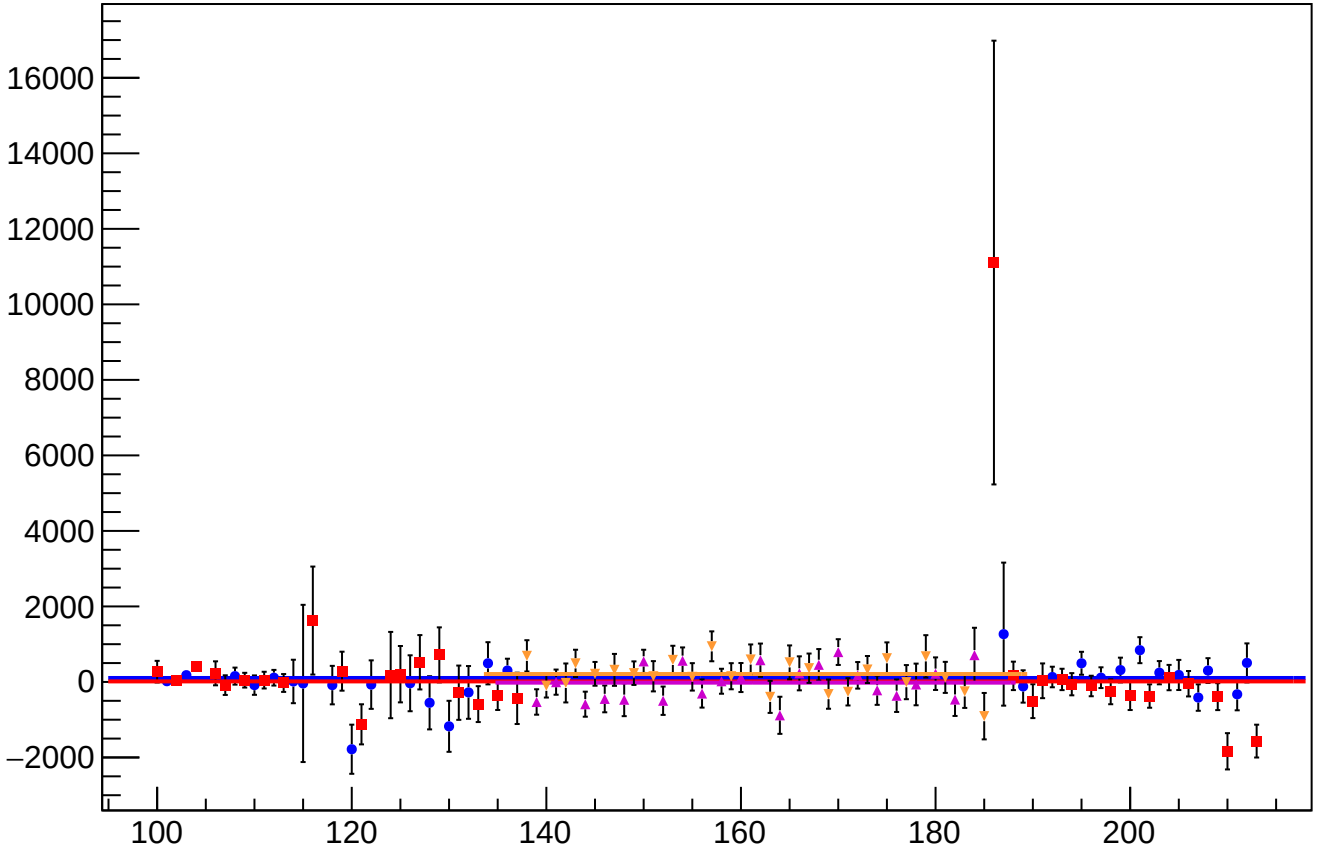
Right: 160.023+/-0.023 χ^2/NDF: 24714377.8/62

In: 204.185+/-0.029 χ^2/NDF:20879326.8/51

Out: 209.242+/-0.028 χ^2/NDF:21161252.4/58

All: 206.767+/-0.020 χ^2/NDF: 42056253.0/11

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.894+/-50.621 χ^2/NDF: 27.9/28

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

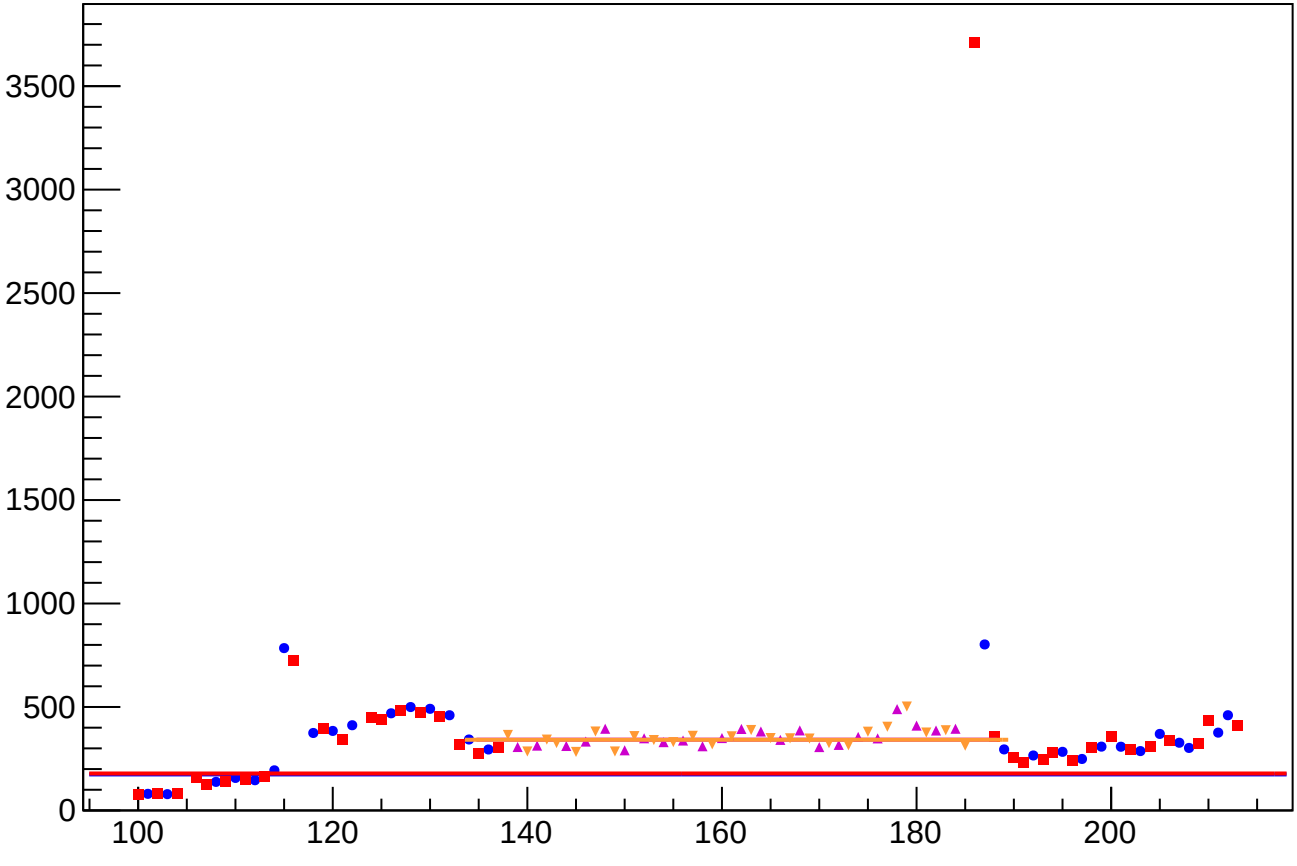
Right: 58.329+/-35.265 χ^2/NDF: 92.0/62

In: 69.983+/-42.883 χ^2/NDF:61.6/51

Out: 69.447+/-41.664 χ^2/NDF:88.4/58

All: 69.707+/-29.882 χ^2/NDF: 150.0/110

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 174.037+/-0.036 χ^2/NDF: 10685467.2/28

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

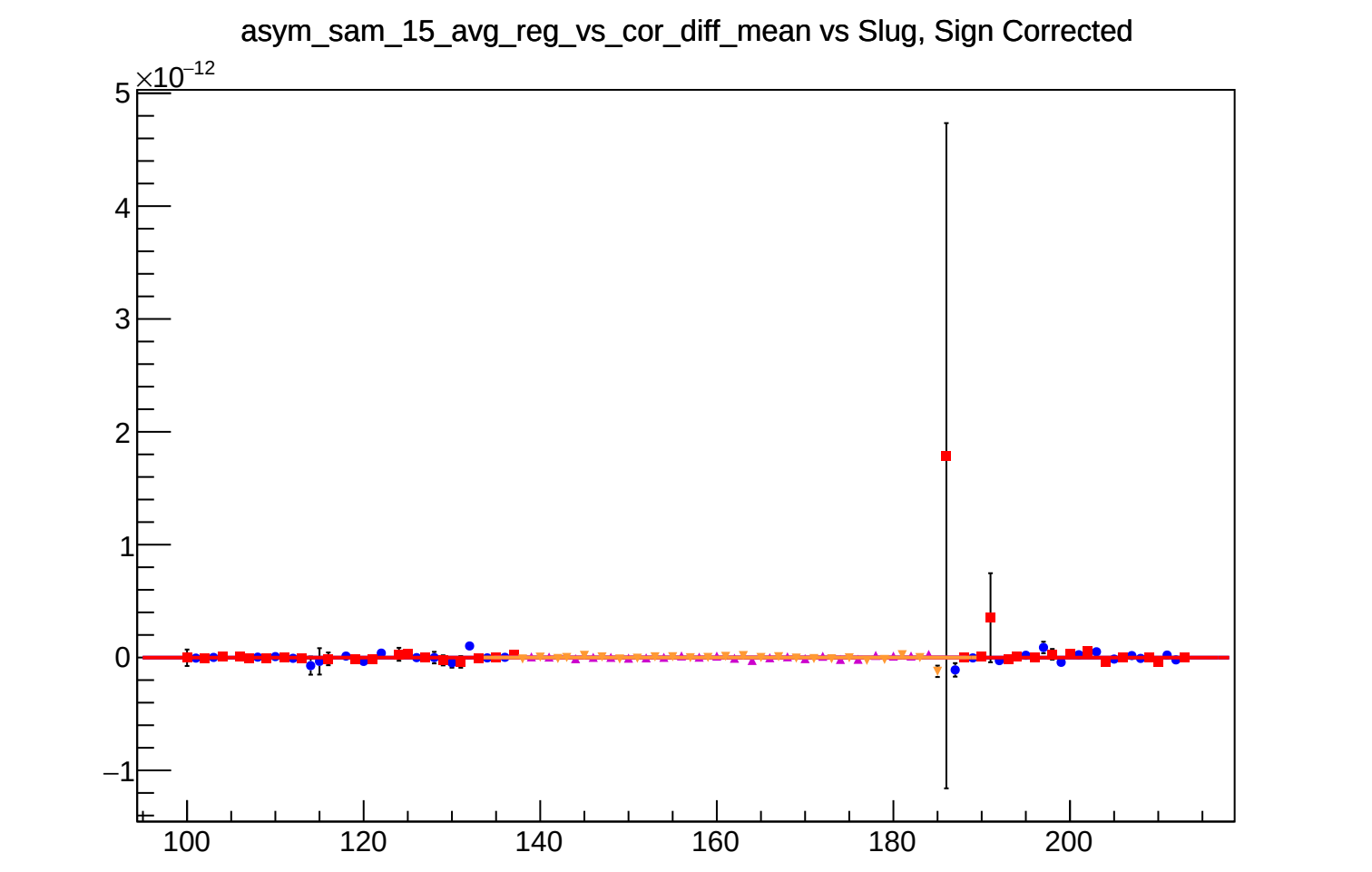
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

Right: 176.405+/-0.025 χ^2/NDF: 21697644.8/62

In: 221.449+/-0.030 χ^2/NDF:17384274.4/51

Out: 224.526+/-0.029 χ^2/NDF:17746815.4/58

All: 223.032+/-0.021 χ^2/NDF: 35136387.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 38.0/28

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/33

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

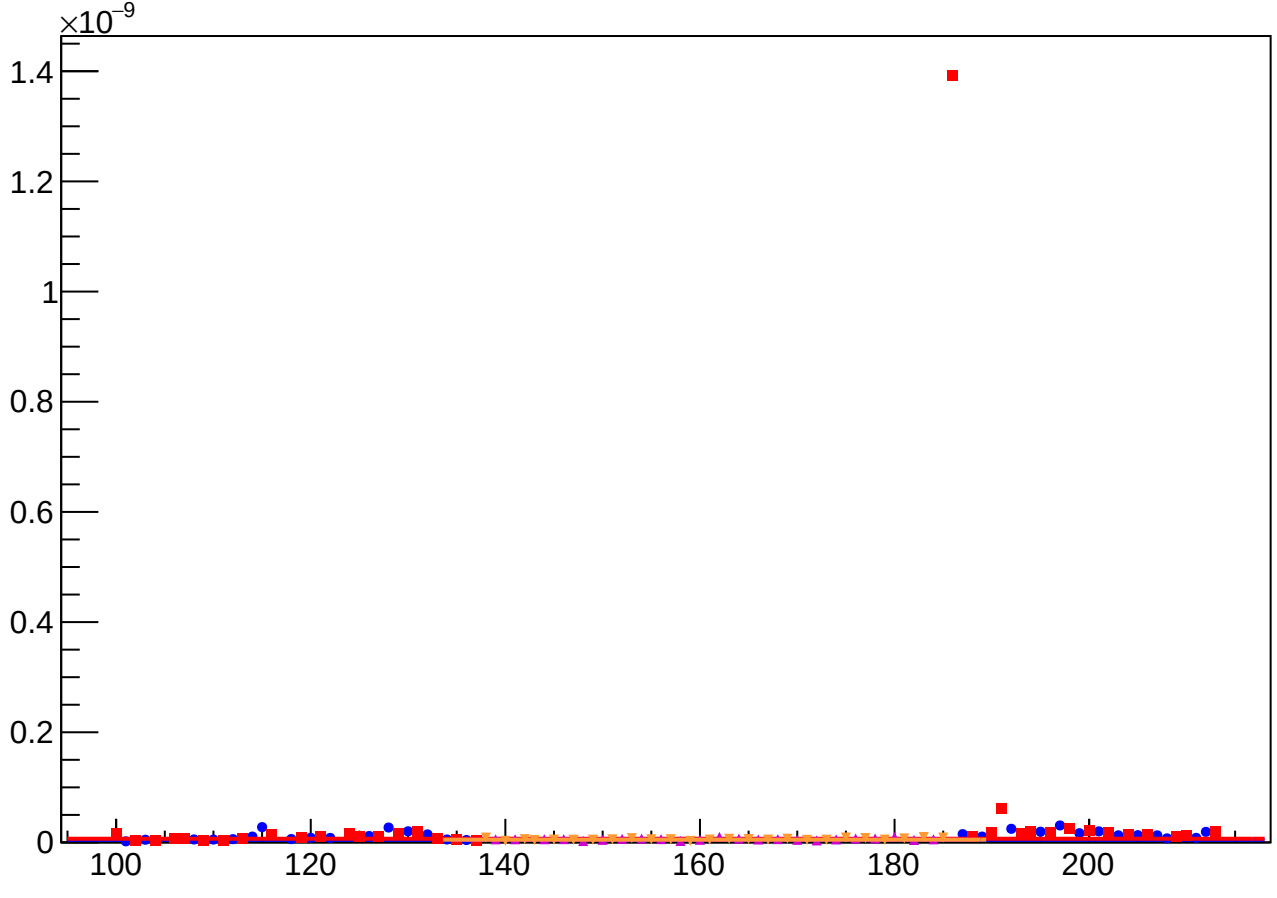
Right: -0.000+/-0.000 χ^2/NDF: 62.7/62

In: 0.000+/-0.000 χ^2/NDF:58.9/51

Out: -0.000+/-0.000 χ^2/NDF:53.3/58

All: 0.000+/-0.000 χ^2/NDF: 112.2/110

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6616210.1/28

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

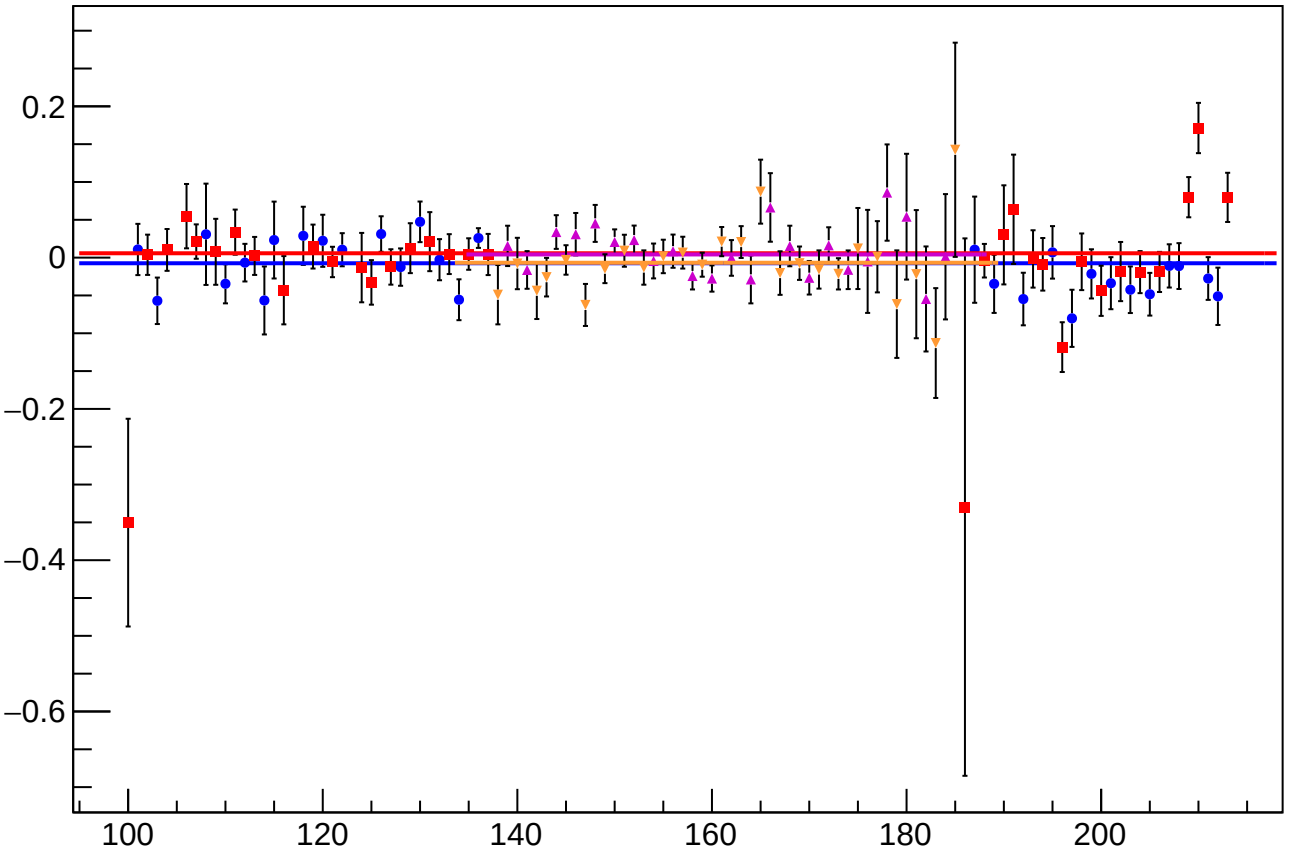
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 12795327.4/62

In: 0.000+/-0.000 χ^2/NDF:7844127.5/51

Out: 0.000+/-0.000 χ^2/NDF:7438410.7/58

All: 0.000+/-0.000 χ^2/NDF: 15449710.1/110



Right In: -0.007+/-0.005 χ^2/NDF: 37.2/28

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

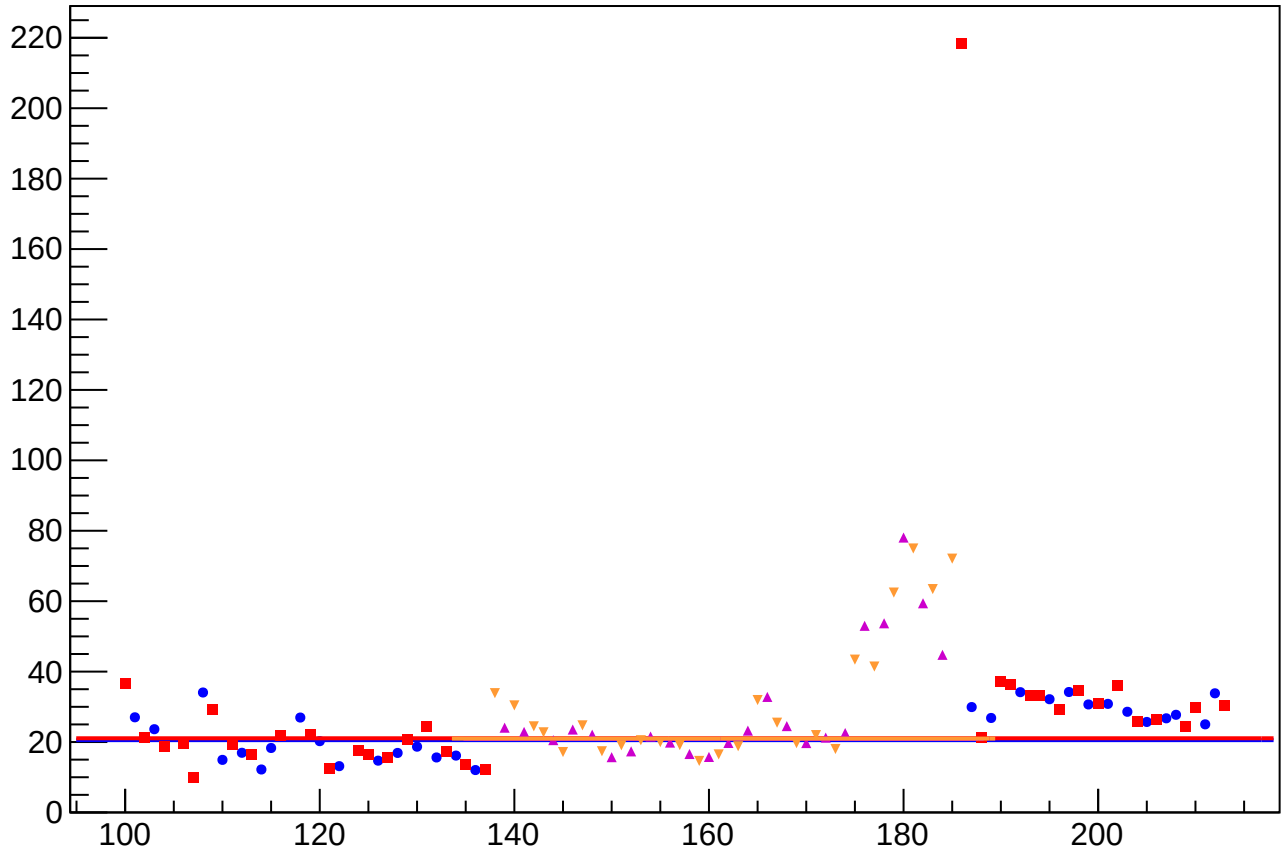
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: -0.001+/-0.004 χ^2/NDF: 112.5/62

In: -0.002+/-0.004 χ^2/NDF:62.8/51

Out: -0.001+/-0.004 χ^2/NDF:96.8/58

All: -0.001+/-0.003 χ^2/NDF: 159.6/110



Right In: 20.538+/-0.004 χ^2/NDF: 3774785.1/28

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

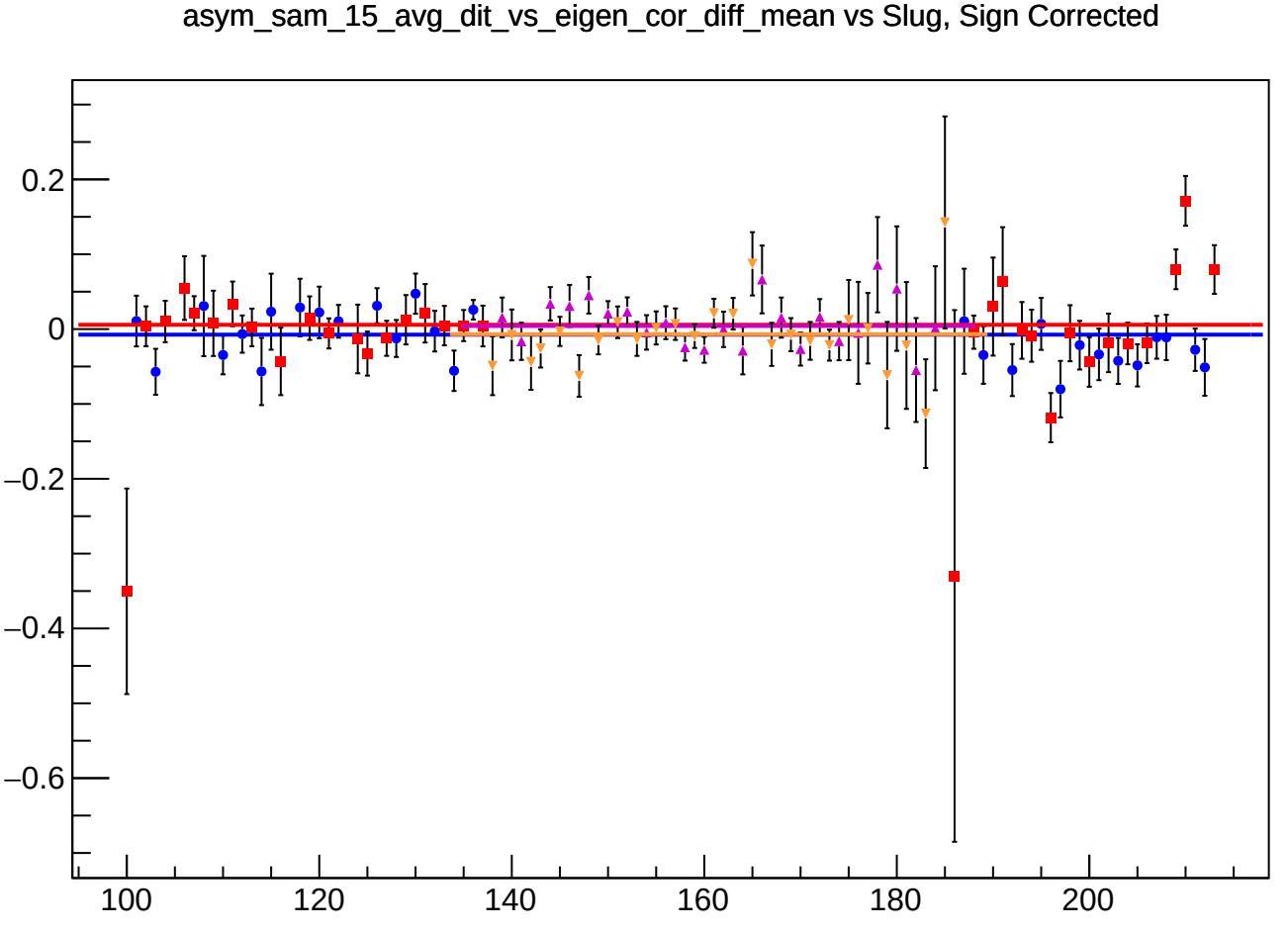
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 20.807+/-0.003 χ^2/NDF: 8097621.2/62

In: 20.705+/-0.003 χ^2/NDF:7313498.8/51

Out: 21.024+/-0.003 χ^2/NDF:8780175.1/58

All: 20.867+/-0.002 χ^2/NDF: 16100972.4/110



Right In: -0.007+/-0.005 χ^2/NDF: 37.2/28

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

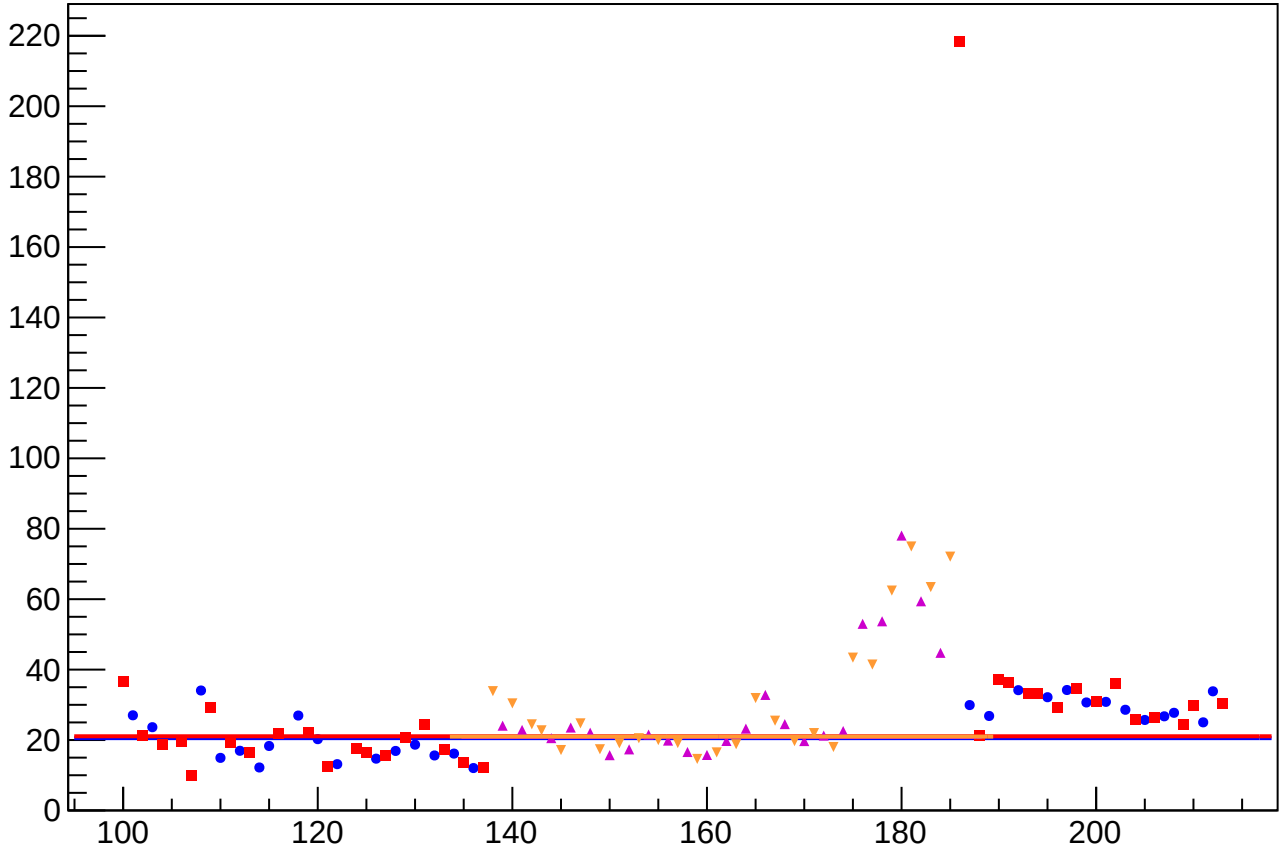
Right: -0.001+/-0.004 χ^2/NDF: 112.5/62

In: -0.002+/-0.004 χ^2/NDF:62.8/51

Out: -0.001+/-0.004 χ^2/NDF:96.8/58

All: -0.001+/-0.003 χ^2/NDF: 159.6/110

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.538+/-0.004 χ^2/NDF: 3774785.1/28

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

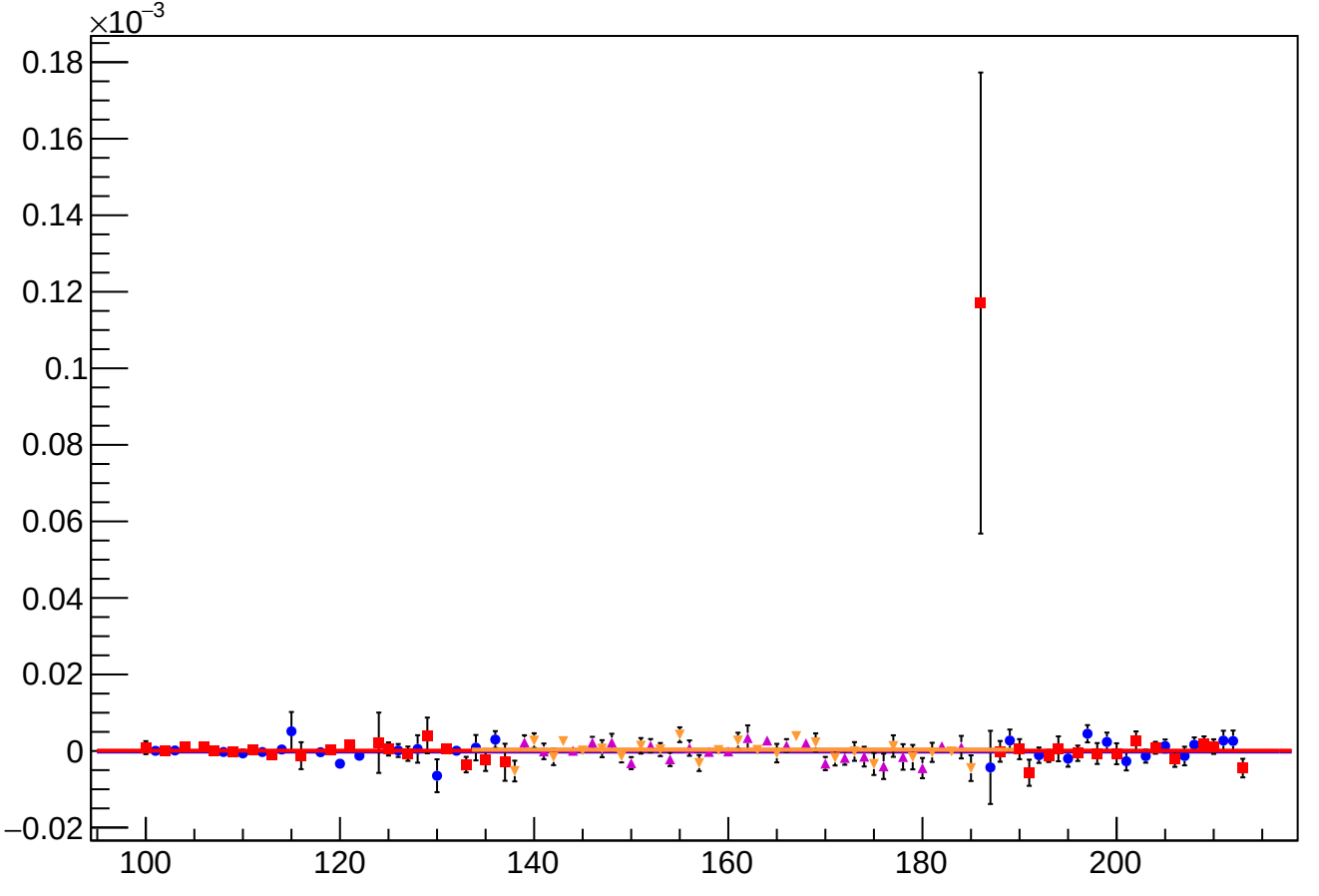
Right: 20.807+/-0.003 χ^2/NDF: 8097621.2/62

In: 20.705+/-0.003 χ^2/NDF:7313498.8/51

Out: 21.024+/-0.003 χ^2/NDF:8780175.1/58

All: 20.867+/-0.002 χ^2/NDF: 16100972.4/110

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 27.7/28

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

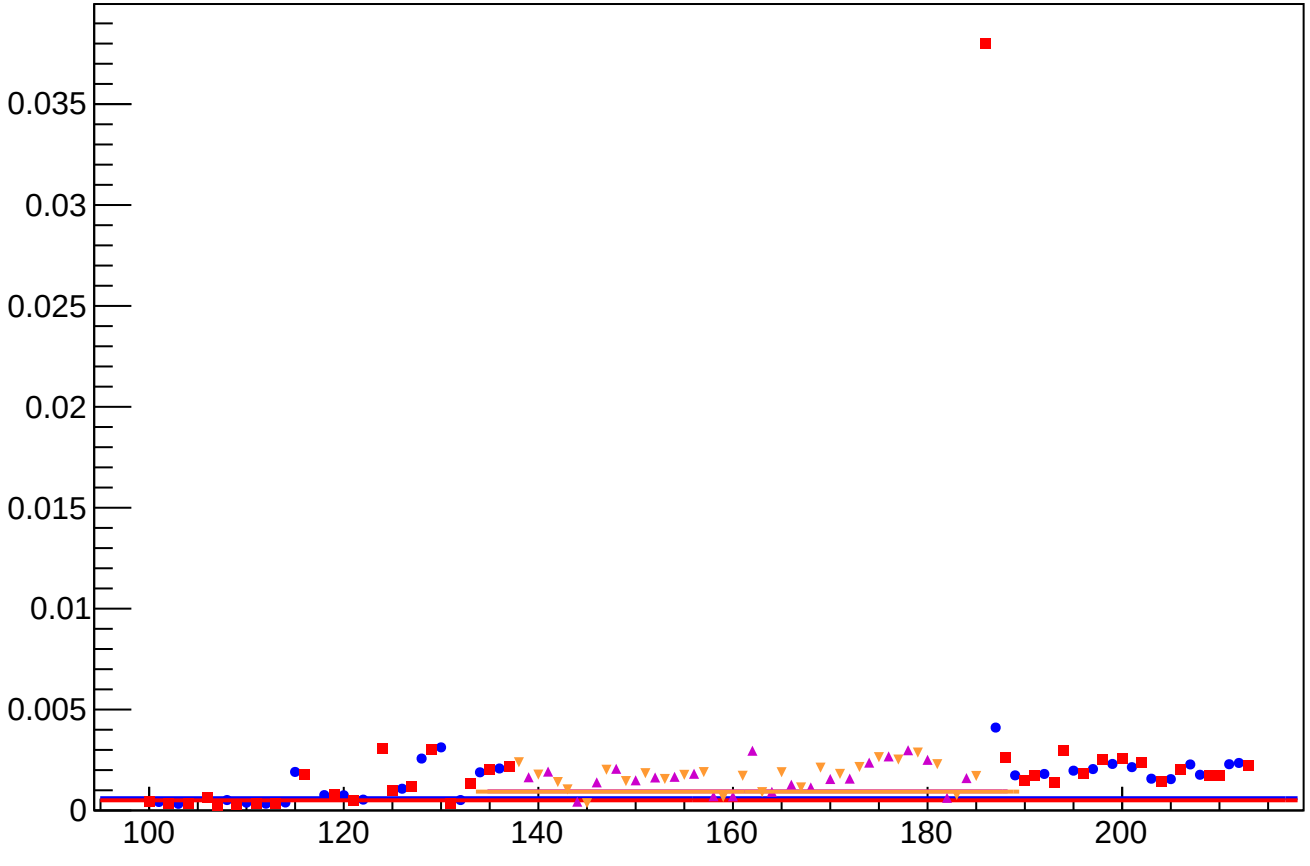
Right: -0.000+/-0.000 χ^2/NDF: 63.6/62

In: 0.000+/-0.000 χ^2/NDF:60.9/51

Out: 0.000+/-0.000 χ^2/NDF:70.1/58

All: 0.000+/-0.000 χ^2/NDF: 131.5/110

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 14292091.1/28

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

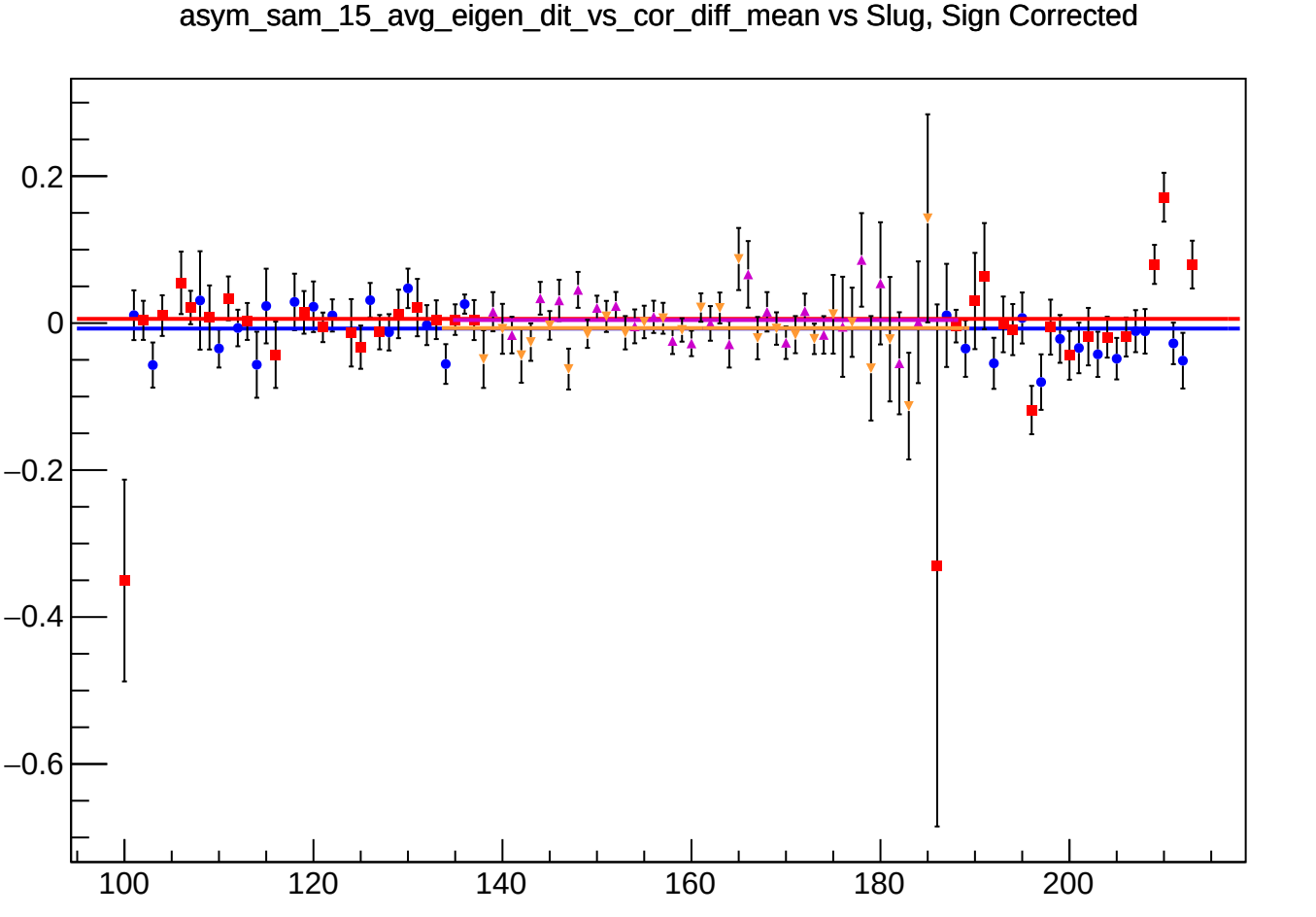
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 32559109.9/62

In: 0.001+/-0.000 χ^2/NDF:25916802.1/51

Out: 0.001+/-0.000 χ^2/NDF:33800724.3/58

All: 0.001+/-0.000 χ^2/NDF: 60195715.0/110



Right In: -0.007+/-0.005 χ^2/NDF: 37.2/28

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

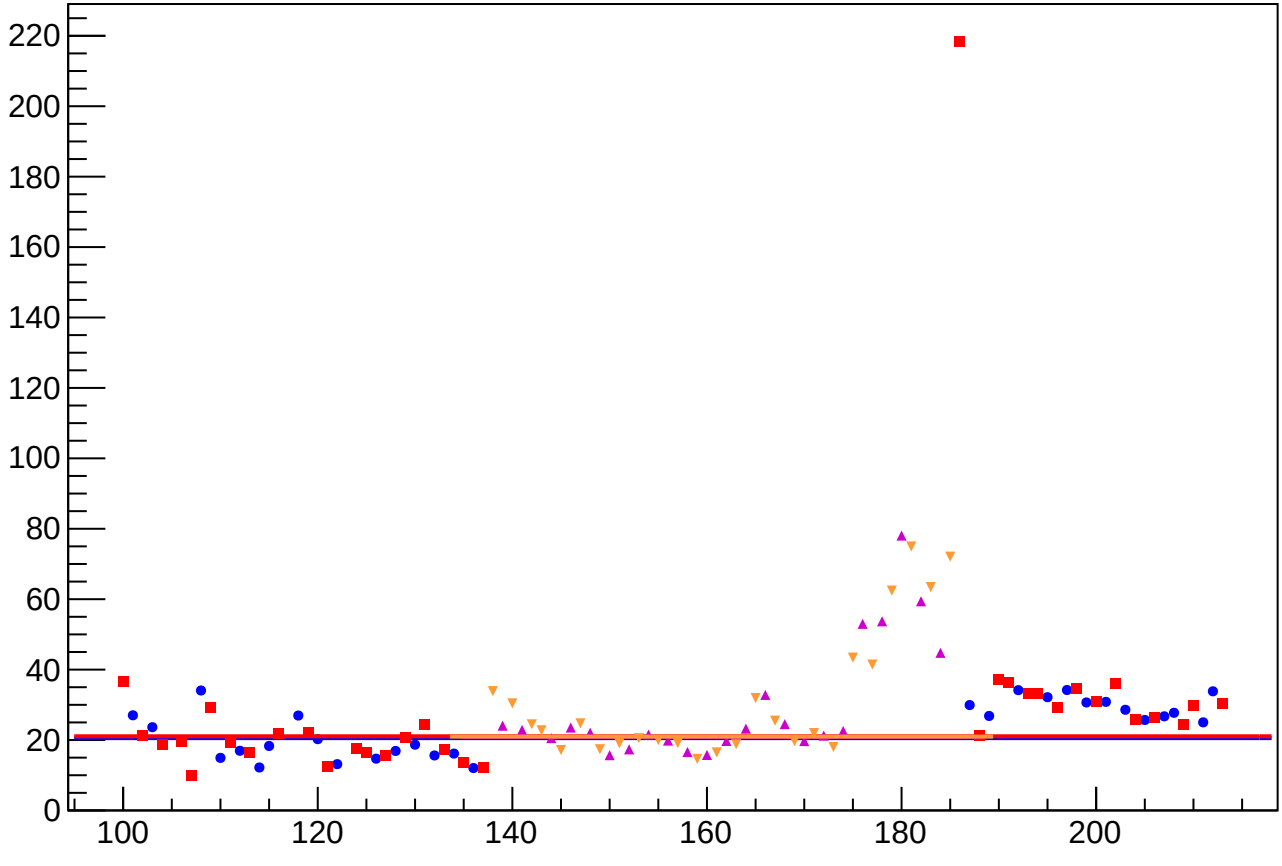
Right: -0.001+/-0.004 χ^2/NDF: 112.5/62

In: -0.002+/-0.004 χ^2/NDF:62.8/51

Out: -0.001+/-0.004 χ^2/NDF:96.8/58

All: -0.001+/-0.003 χ^2/NDF: 159.6/110

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.538+/-0.004 χ^2/NDF: 3774783.7/28

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

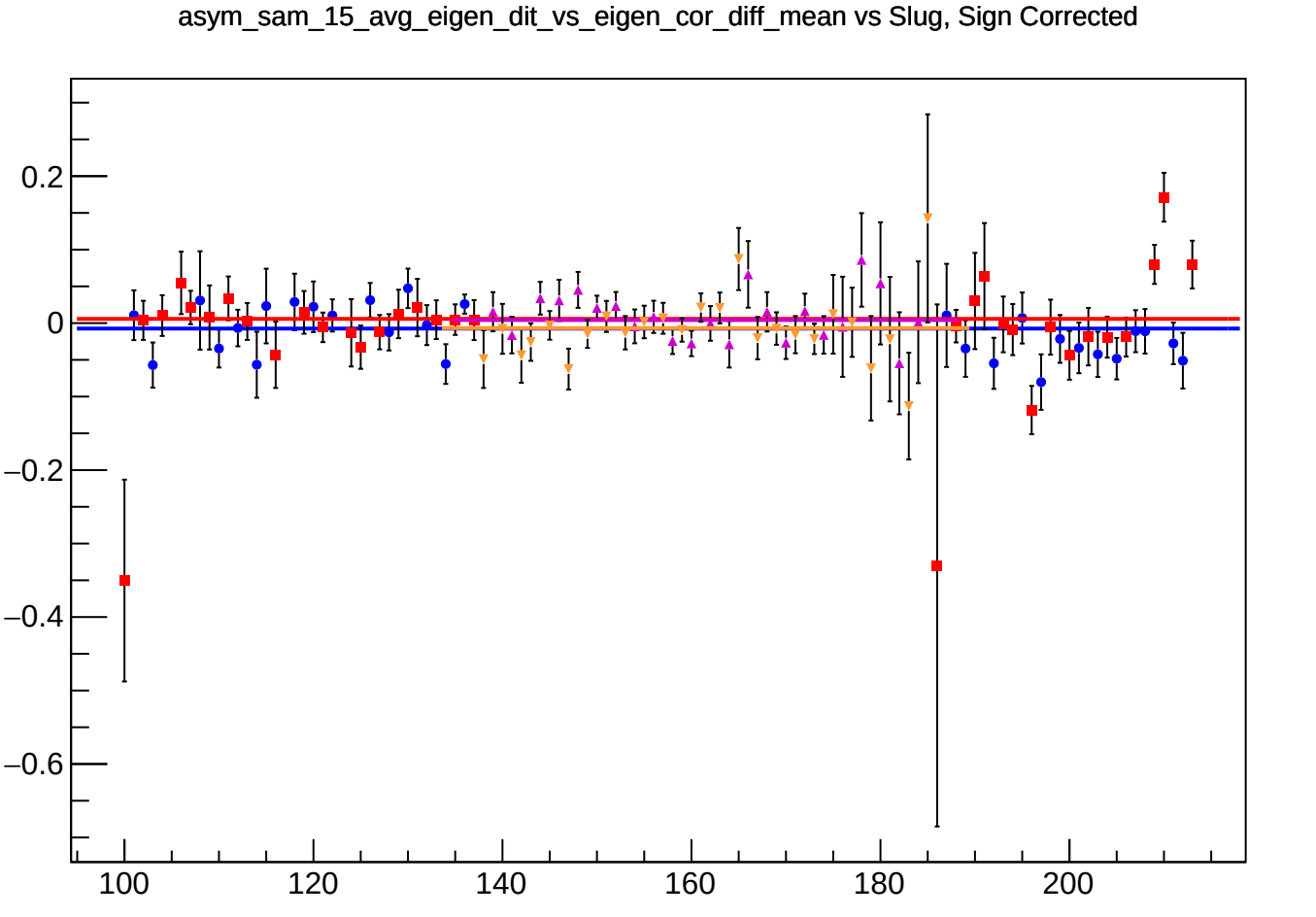
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 20.807+/-0.003 χ^2/NDF: 8097625.1/62

In: 20.705+/-0.003 χ^2/NDF:7313549.4/51

Out: 21.024+/-0.003 χ^2/NDF:8780153.7/58

All: 20.867+/-0.002 χ^2/NDF: 16101001.7/110



Right In: -0.007+/-0.005 χ^2/NDF: 37.2/28

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

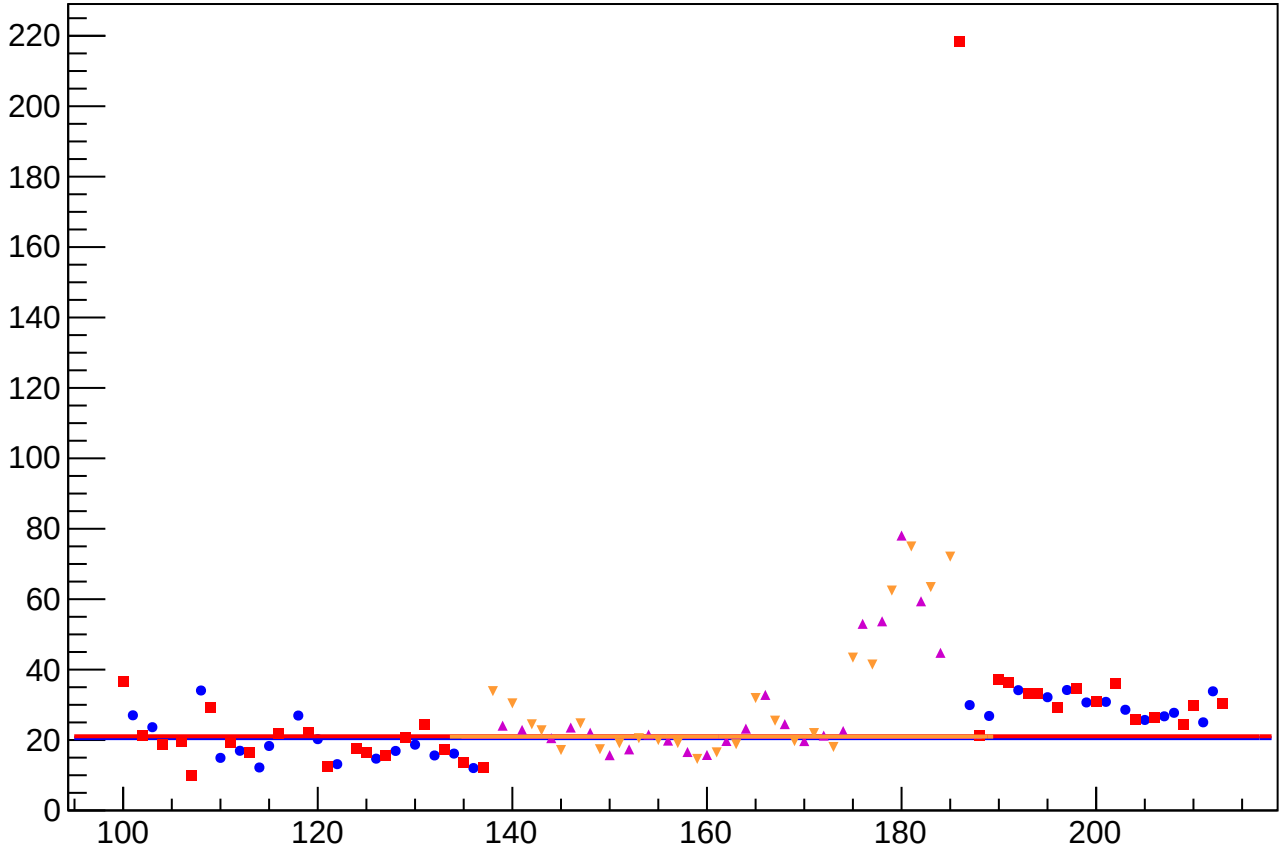
Right: -0.001+/-0.004 χ^2/NDF: 112.5/62

In: -0.002+/-0.004 χ^2/NDF:62.8/51

Out: -0.001+/-0.004 χ^2/NDF:96.8/58

All: -0.001+/-0.003 χ^2/NDF: 159.6/110

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.538+/-0.004 χ^2/NDF: 3774783.7/28

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

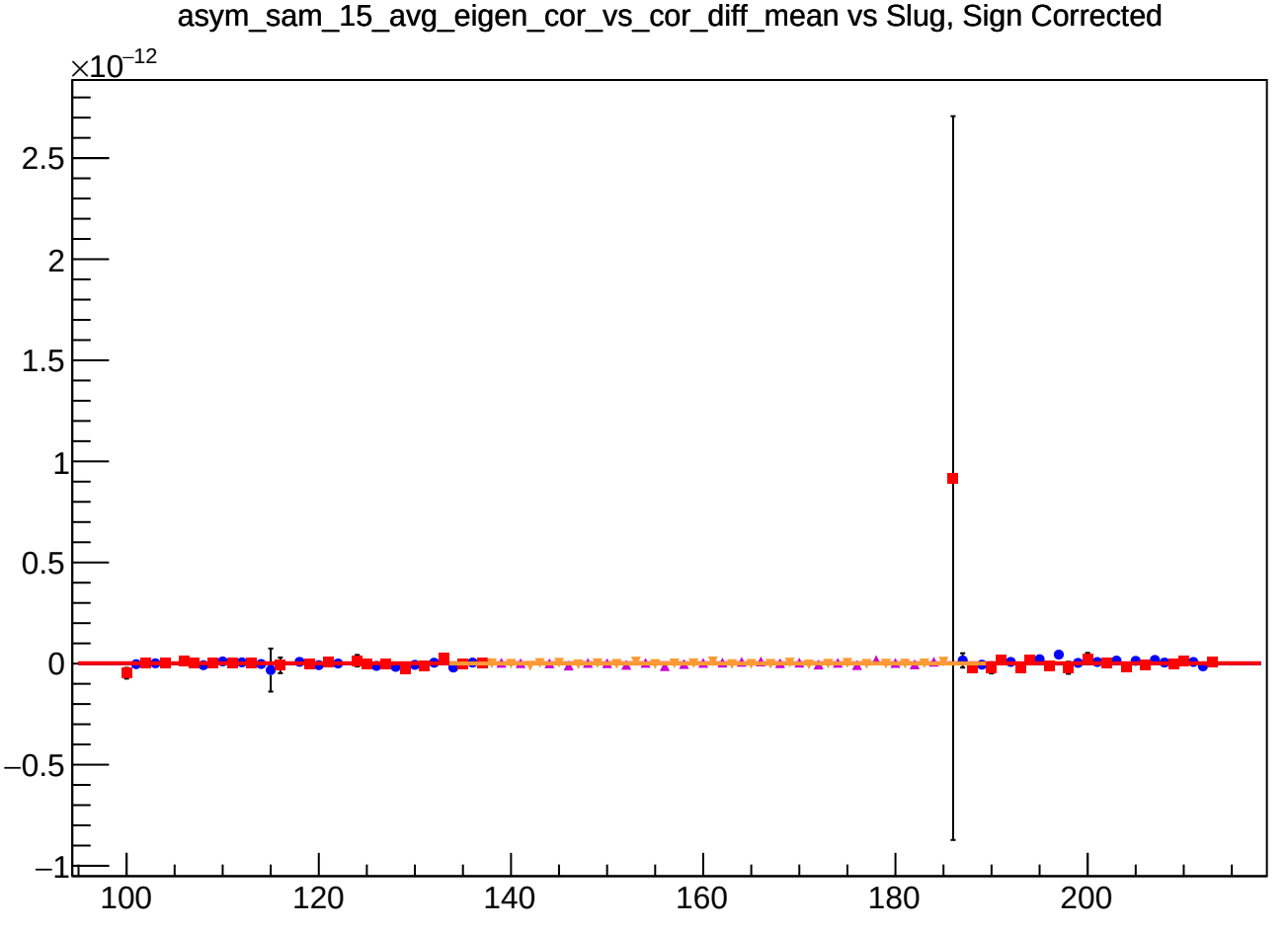
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 20.807+/-0.003 χ^2/NDF: 8097625.1/62

In: 20.705+/-0.003 χ^2/NDF:7313549.4/51

Out: 21.024+/-0.003 χ^2/NDF:8780153.7/58

All: 20.867+/-0.002 χ^2/NDF: 16101001.7/110



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/28

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

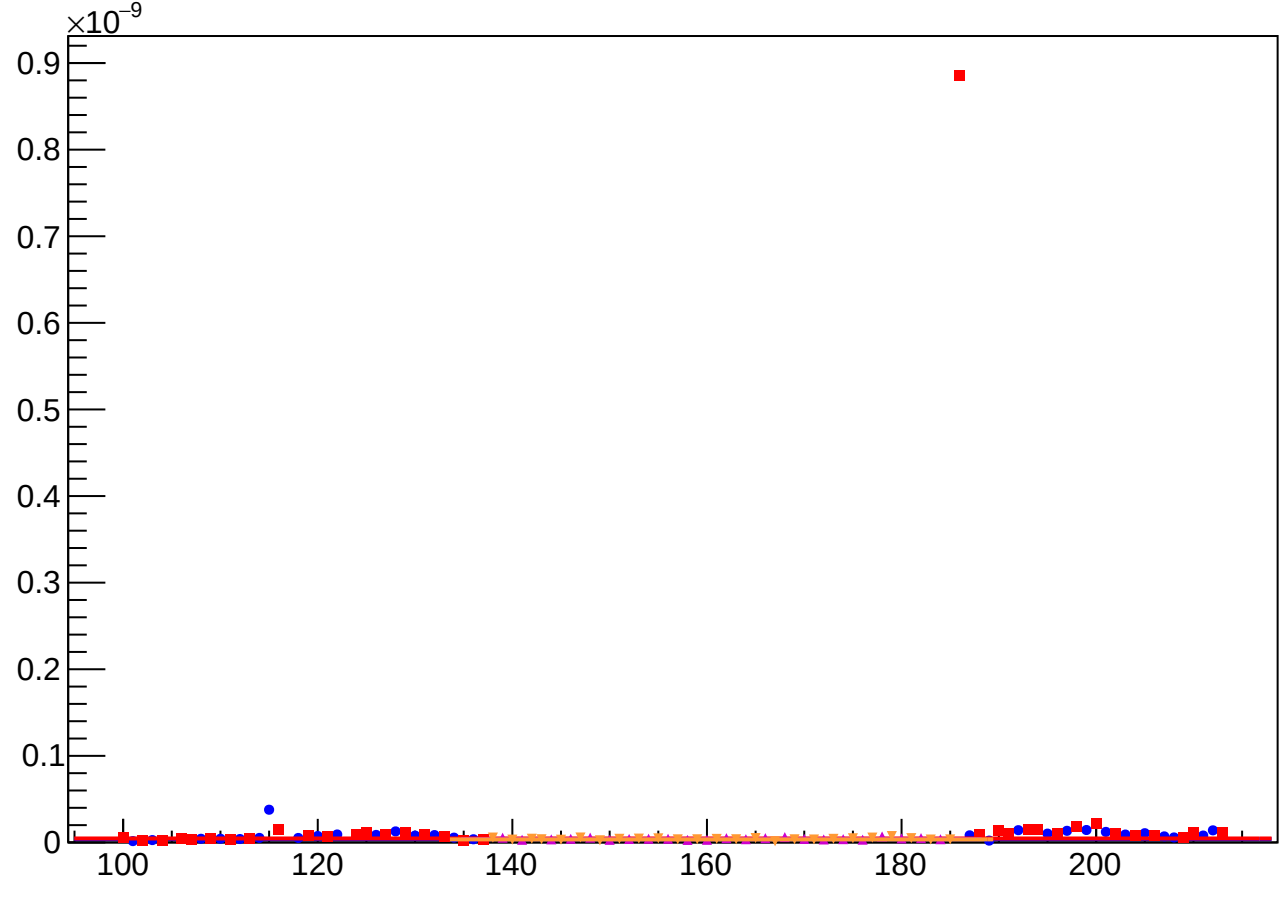
Right: 0.000+/-0.000 χ^2/NDF: 53.2/62

In: 0.000+/-0.000 χ^2/NDF:52.7/51

Out: 0.000+/-0.000 χ^2/NDF:41.8/58

All: 0.000+/-0.000 χ^2/NDF: 94.5/110

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7933186.6/28

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

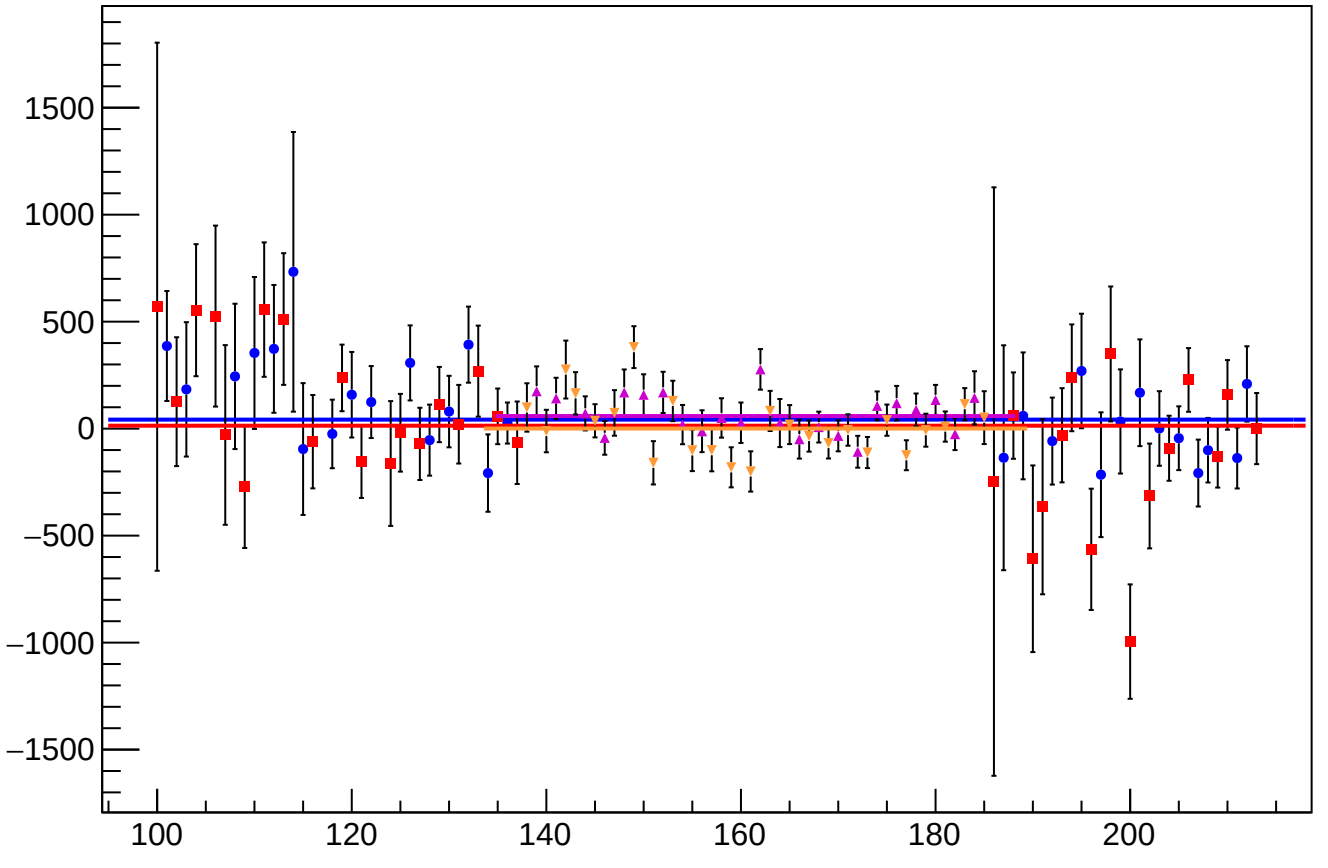
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 16627980.0/62

In: 0.000+/-0.000 χ^2/NDF:9134148.2/51

Out: 0.000+/-0.000 χ^2/NDF:11583665.4/58

All: 0.000+/-0.000 χ^2/NDF: 20719072.7/110



Right In: 42.196+/-35.734 χ^2/NDF: 23.4/28

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

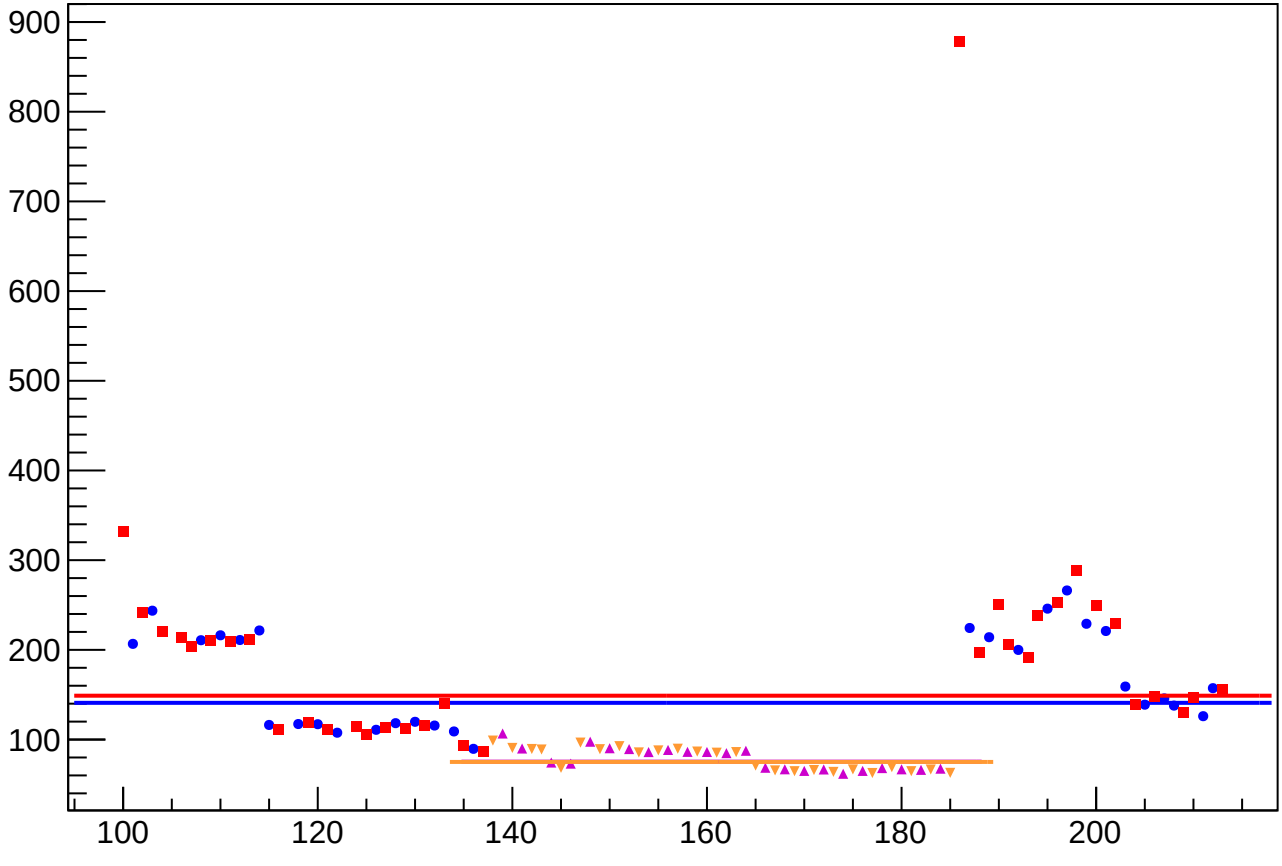
Right: 28.291+/-25.552 χ^2/NDF: 70.5/62

In: 55.561+/-15.989 χ^2/NDF:49.4/51

Out: 3.008+/-15.651 χ^2/NDF:95.6/58

All: 28.723+/-11.185 χ^2/NDF: 150.5/110

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 140.937+/-0.025 χ^2/NDF: 3176543.6/28

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

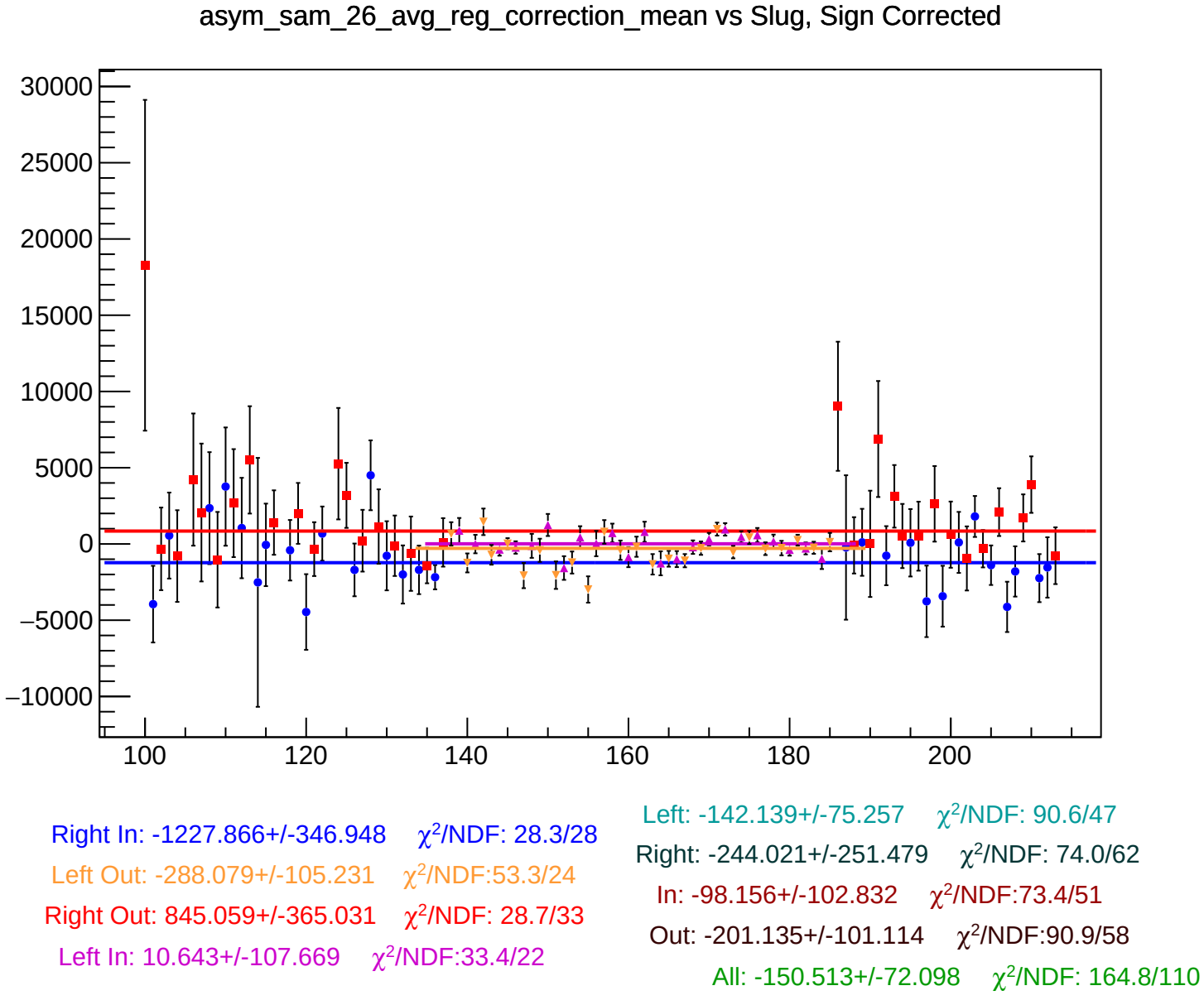
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 144.825+/-0.018 χ^2/NDF: 7453690.8/62

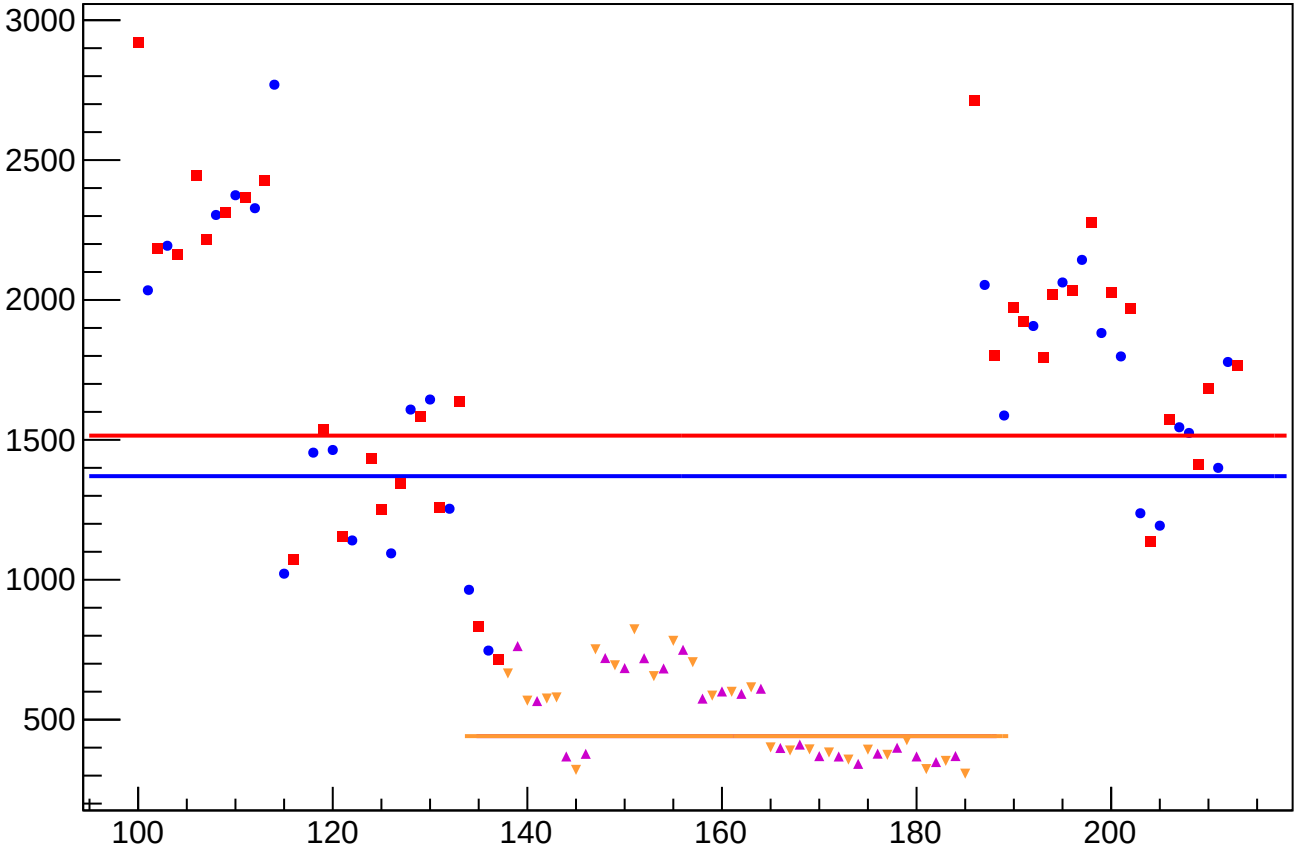
In: 88.483+/-0.011 χ^2/NDF:9402320.5/51

Out: 88.583+/-0.011 χ^2/NDF:11824757.1/58

All: 88.534+/-0.008 χ^2/NDF: 21227117.5/110


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: -1227.866+/-346.948 χ²/NDF: 28.3/28
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: -244.021+/-251.479 χ²/NDF: 74.0/62
In: -98.156+/-102.832 χ²/NDF:73.4/51
Out: -201.135+/-101.114 χ²/NDF:90.9/58
All: -150.513+/-72.098 χ²/NDF: 164.8/110

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1370.324+/-0.245 χ^2/NDF: 3368001.8/28

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

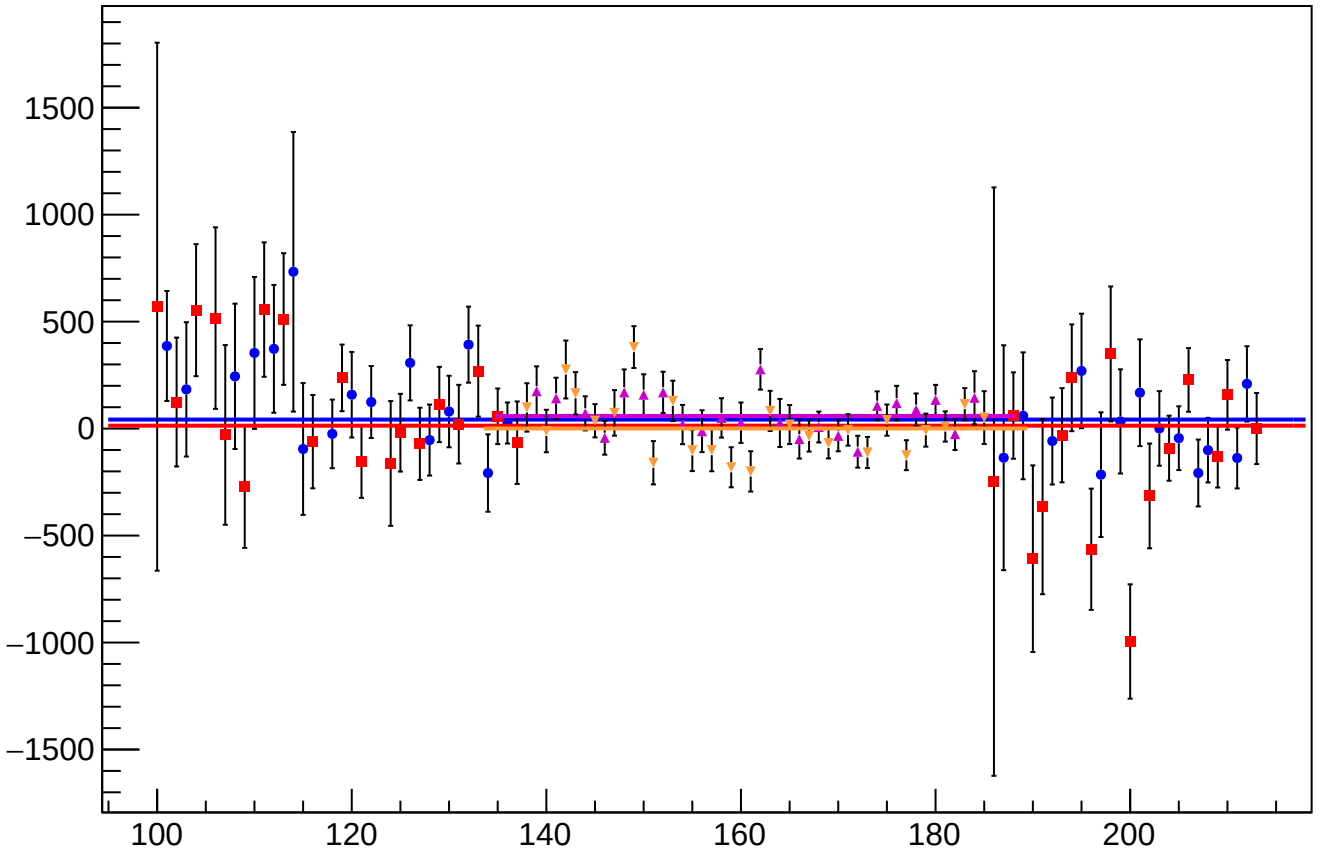
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1439.078+/-0.178 χ^2/NDF: 6918433.6/62

In: 522.817+/-0.073 χ^2/NDF:19133481.0/51

Out: 523.540+/-0.071 χ^2/NDF:22606130.6/58

All: 523.184+/-0.051 χ^2/NDF: 41739661.8/11



Right In: 42.182+/-35.734 χ^2/NDF: 23.4/28

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

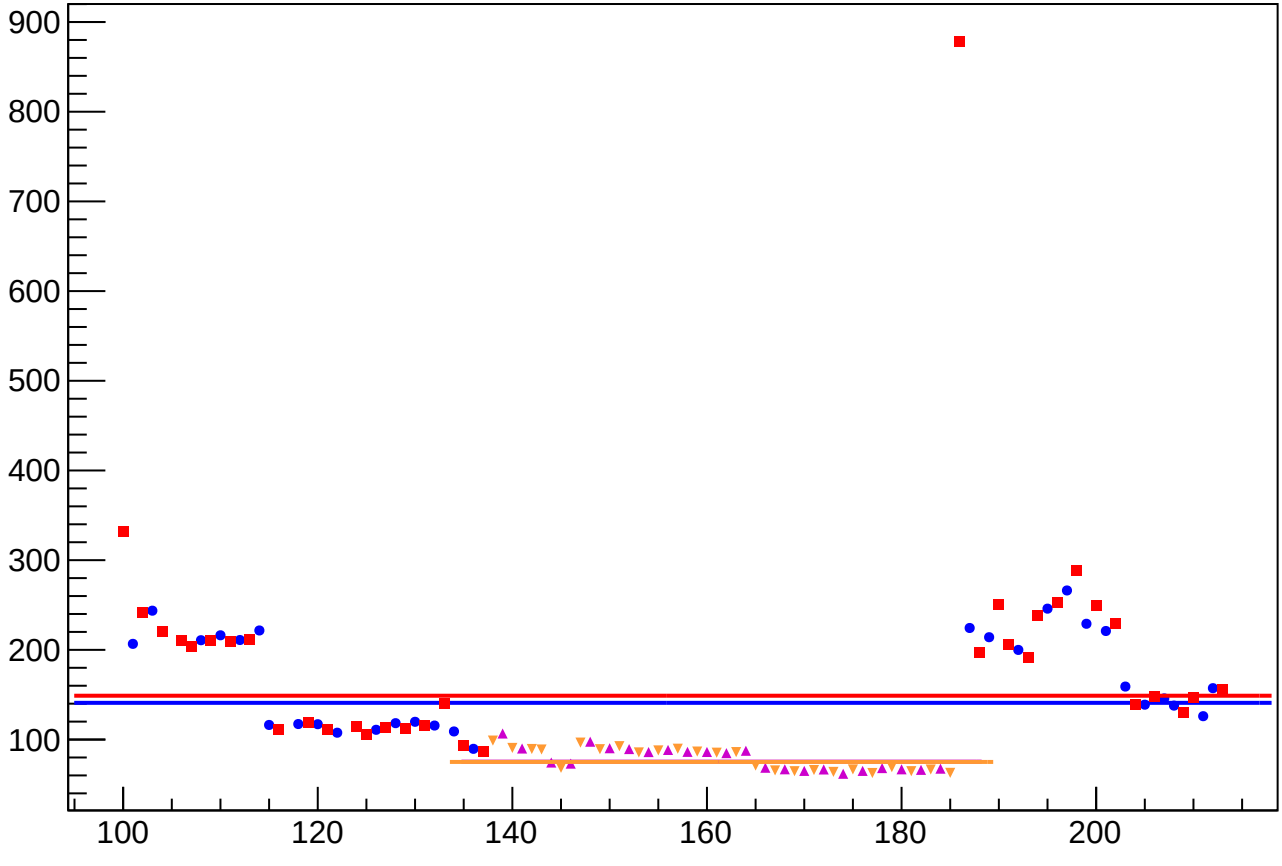
Right: 28.224+/-25.552 χ^2/NDF: 70.5/62

In: 55.556+/-15.989 χ^2/NDF:49.4/51

Out: 2.985+/-15.651 χ^2/NDF:95.5/58

All: 28.709+/-11.185 χ^2/NDF: 150.4/110

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 140.937+/-0.025 χ^2/NDF: 3176546.1/28

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

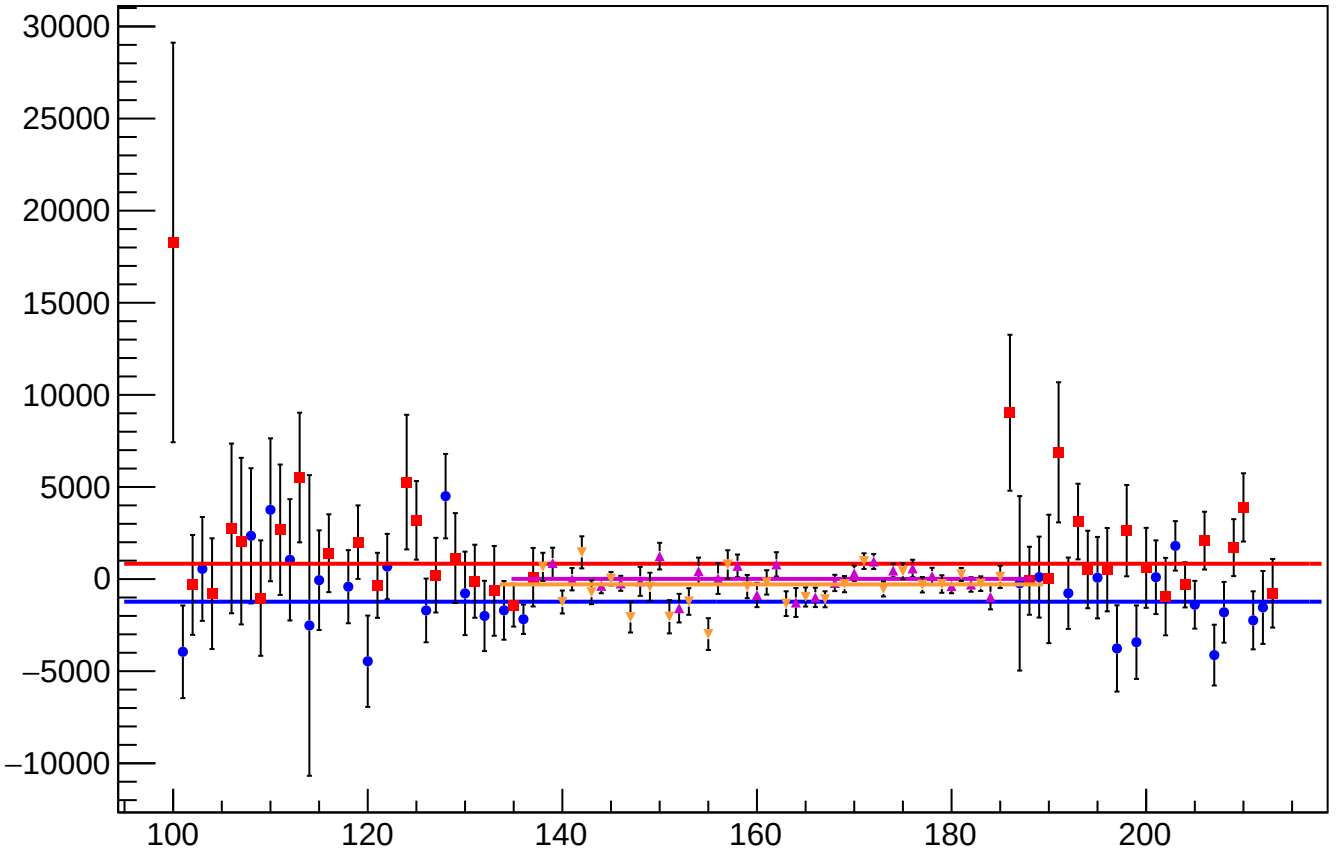
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 144.812+/-0.018 χ^2/NDF: 7449018.2/62

In: 88.483+/-0.011 χ^2/NDF:9402322.6/51

Out: 88.577+/-0.011 χ^2/NDF:11815340.5/58

All: 88.531+/-0.008 χ^2/NDF: 21217698.6/110



Right In: -1227.860+/-346.948 χ^2/NDF: 28.3/28

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

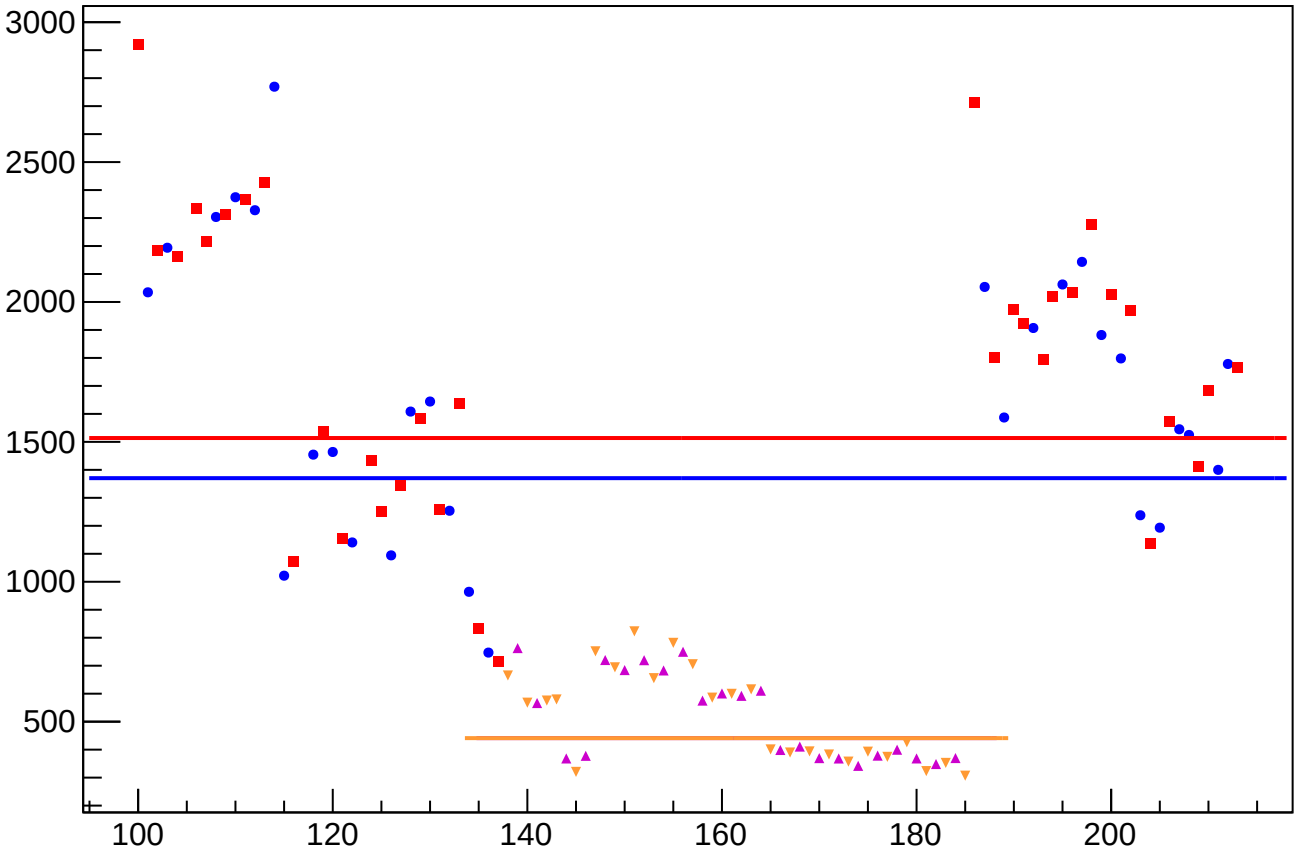
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -250.082+/-251.529 χ^2/NDF: 73.3/62

In: -98.154+/-102.832 χ^2/NDF:73.4/51

Out: -202.112+/-101.117 χ^2/NDF:90.3/58

All: -151.007+/-72.099 χ^2/NDF: 164.1/110



Right In: 1370.324+/-0.245 χ^2/NDF: 3368032.8/28

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

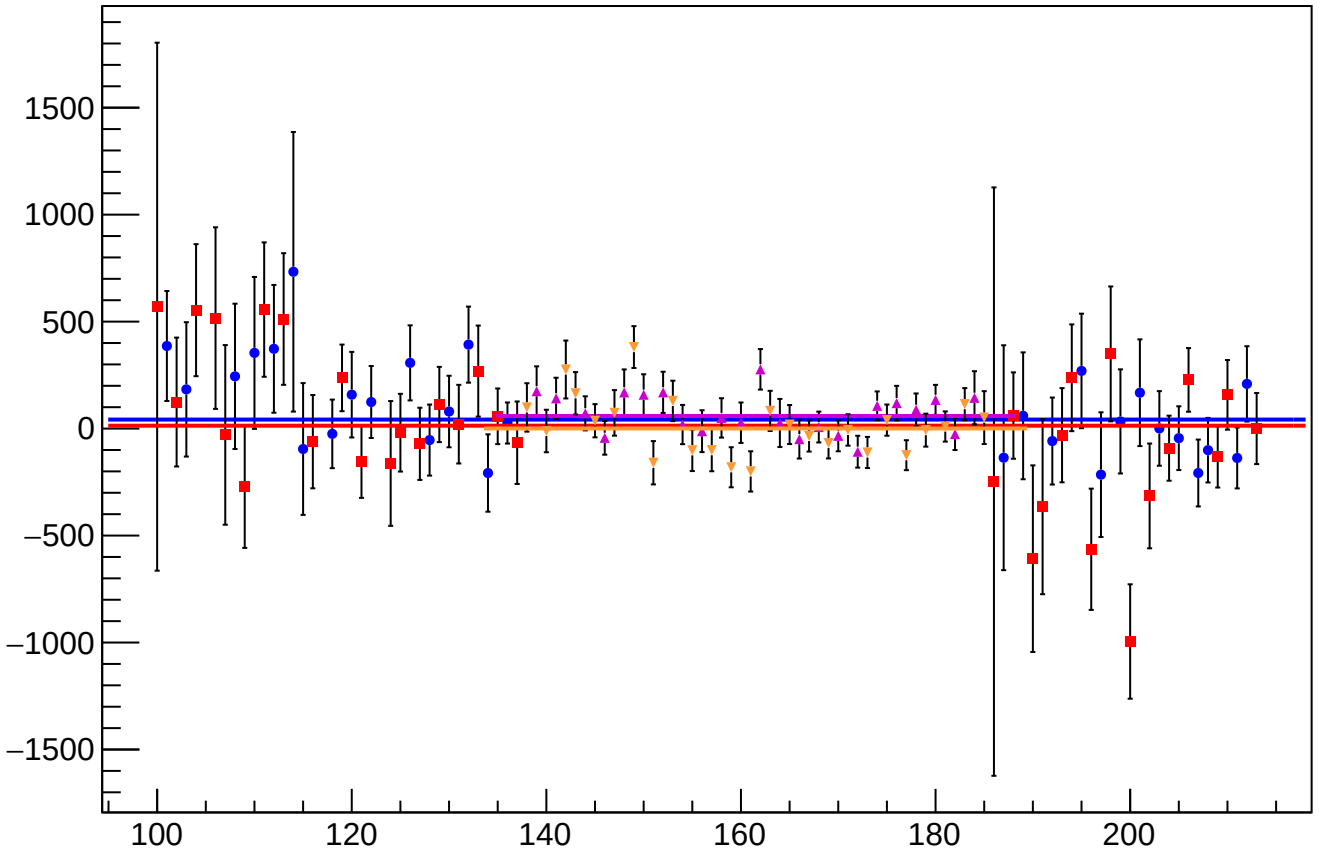
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1438.368+/-0.178 χ^2/NDF: 6886857.5/62

In: 522.817+/-0.073 χ^2/NDF:19133490.6/51

Out: 523.366+/-0.072 χ^2/NDF:22522841.4/58

All: 523.096+/-0.051 χ^2/NDF: 41656361.0/11



Right In: 42.182+/-35.734 χ^2/NDF: 23.4/28

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

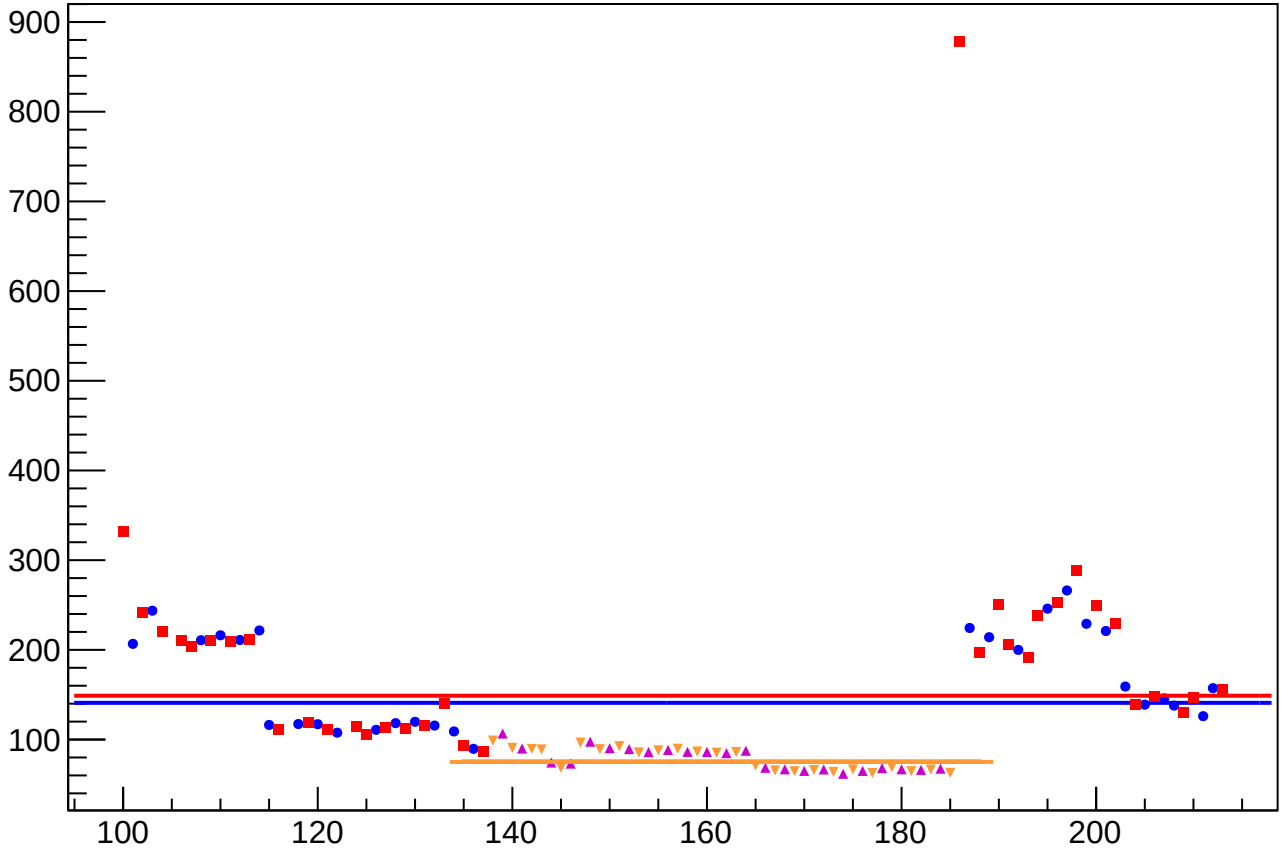
Right: 28.224+/-25.552 χ^2/NDF: 70.5/62

In: 55.556+/-15.989 χ^2/NDF:49.4/51

Out: 2.985+/-15.651 χ^2/NDF:95.5/58

All: 28.709+/-11.185 χ^2/NDF: 150.4/110

eigen_cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 140.937+/-0.025 χ^2/NDF: 3176546.1/28

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

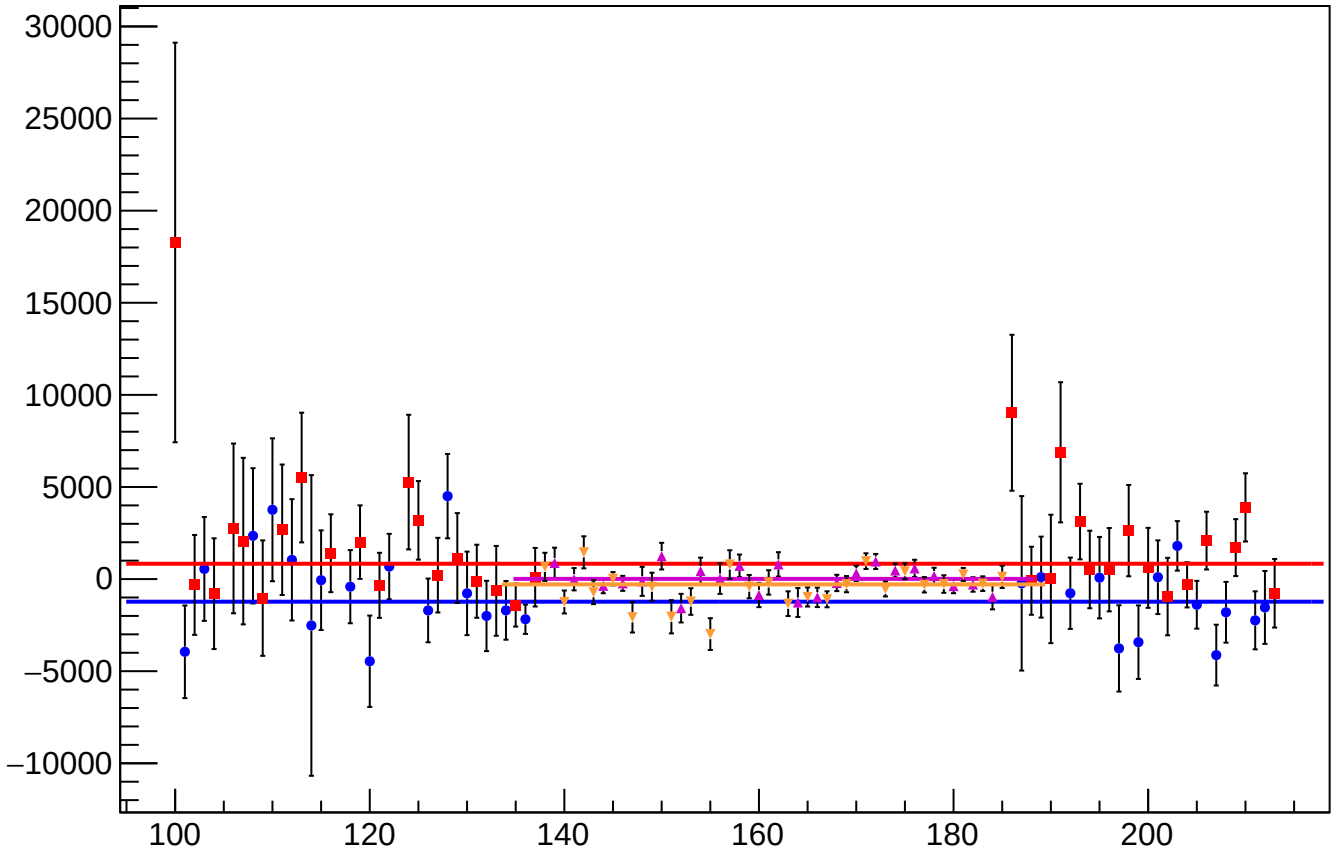
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 144.812+/-0.018 χ^2/NDF: 7449018.2/62

In: 88.483+/-0.011 χ^2/NDF:9402322.6/51

Out: 88.577+/-0.011 χ^2/NDF:11815340.5/58

All: 88.531+/-0.008 χ^2/NDF: 21217698.6/110



Right In: -1227.860+/-346.948 χ^2/NDF: 28.3/28

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

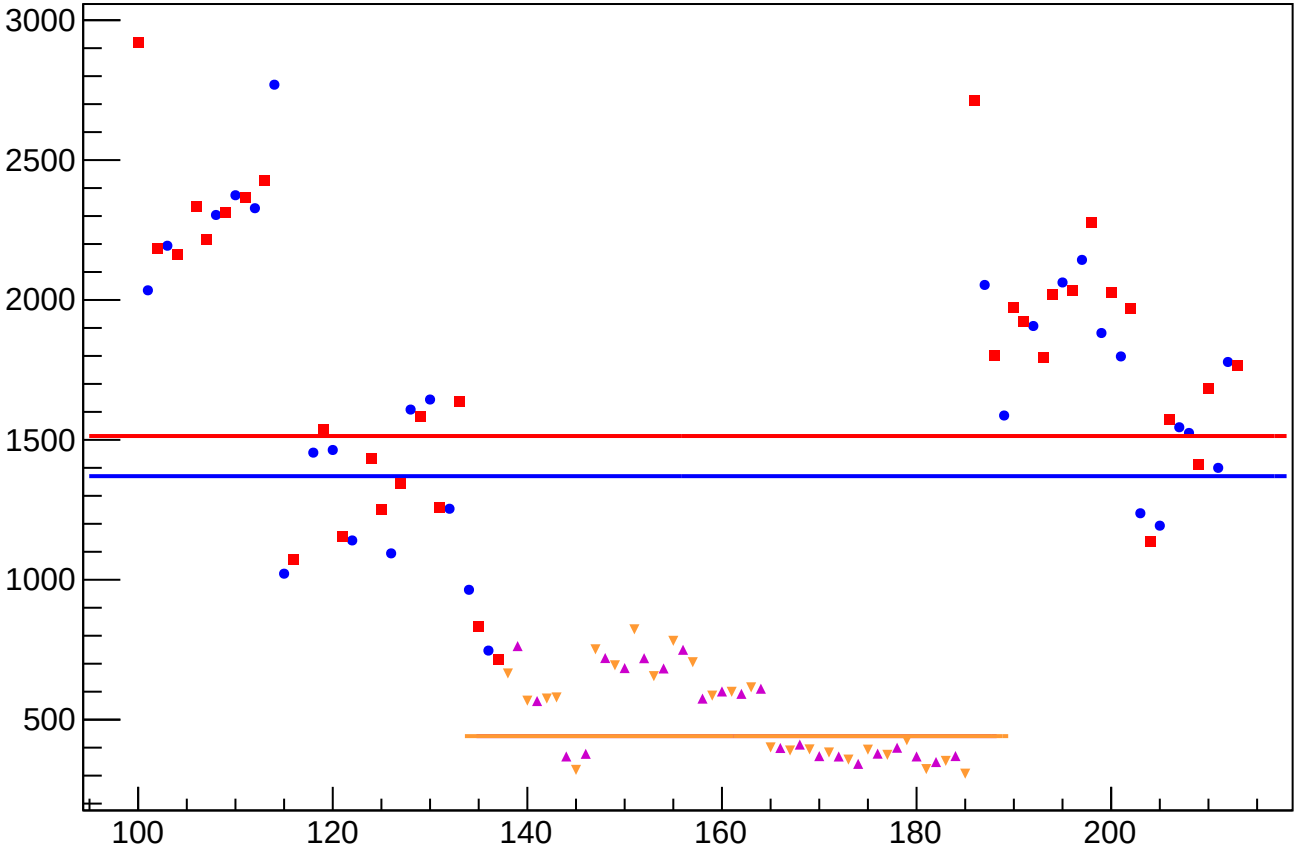
Right: -250.082+/-251.529 χ^2/NDF: 73.3/62

In: -98.154+/-102.832 χ^2/NDF:73.4/51

Out: -202.112+/-101.117 χ^2/NDF:90.3/58

All: -151.007+/-72.099 χ^2/NDF: 164.1/110

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1370.324+/-0.245 χ^2/NDF: 3368032.8/28

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

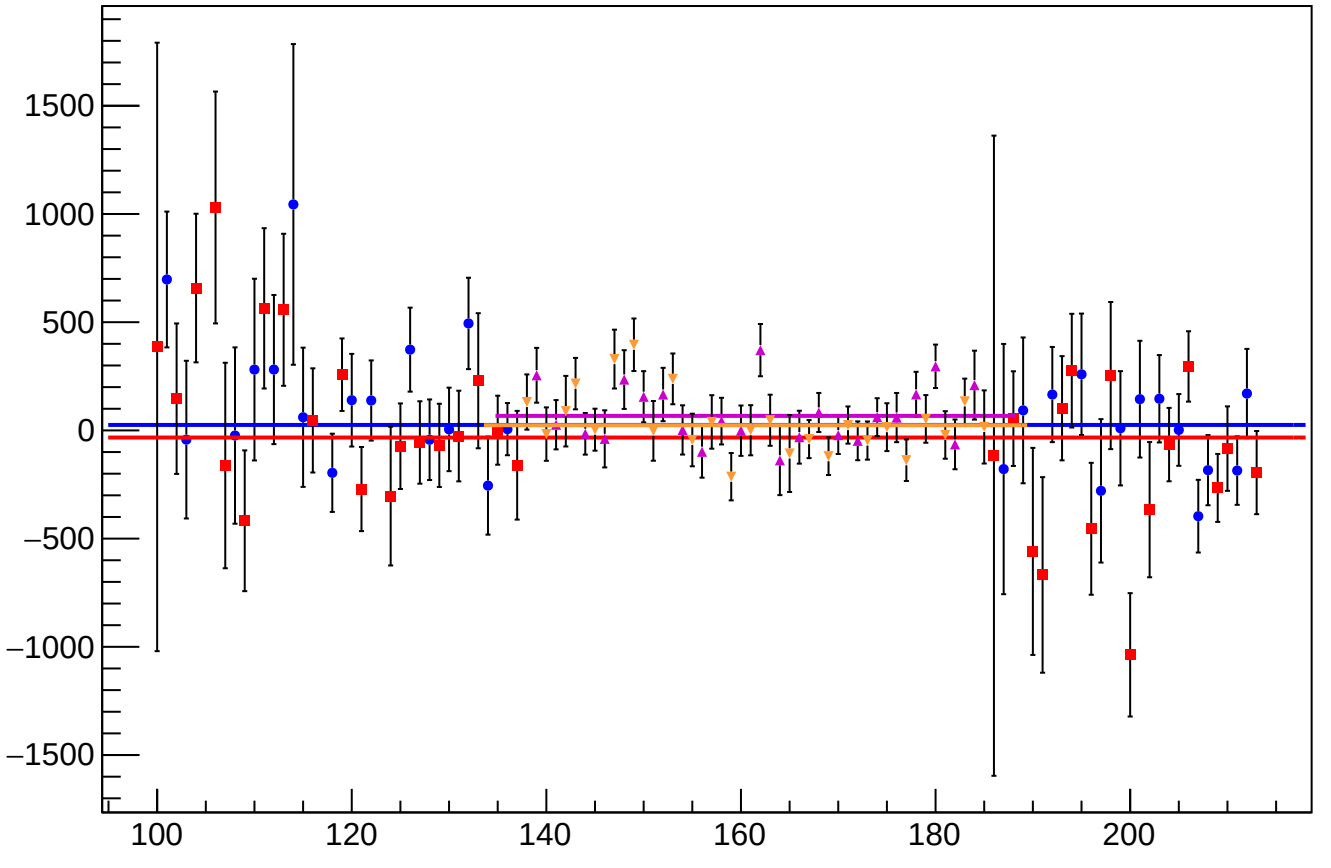
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1438.368+/-0.178 χ^2/NDF: 6886857.5/62

In: 522.817+/-0.073 χ^2/NDF:19133490.6/51

Out: 523.366+/-0.072 χ^2/NDF:22522841.4/58

All: 523.096+/-0.051 χ^2/NDF: 41656361.0/11



Right In: 25.261+/-40.687 χ^2/NDF: 32.4/28

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

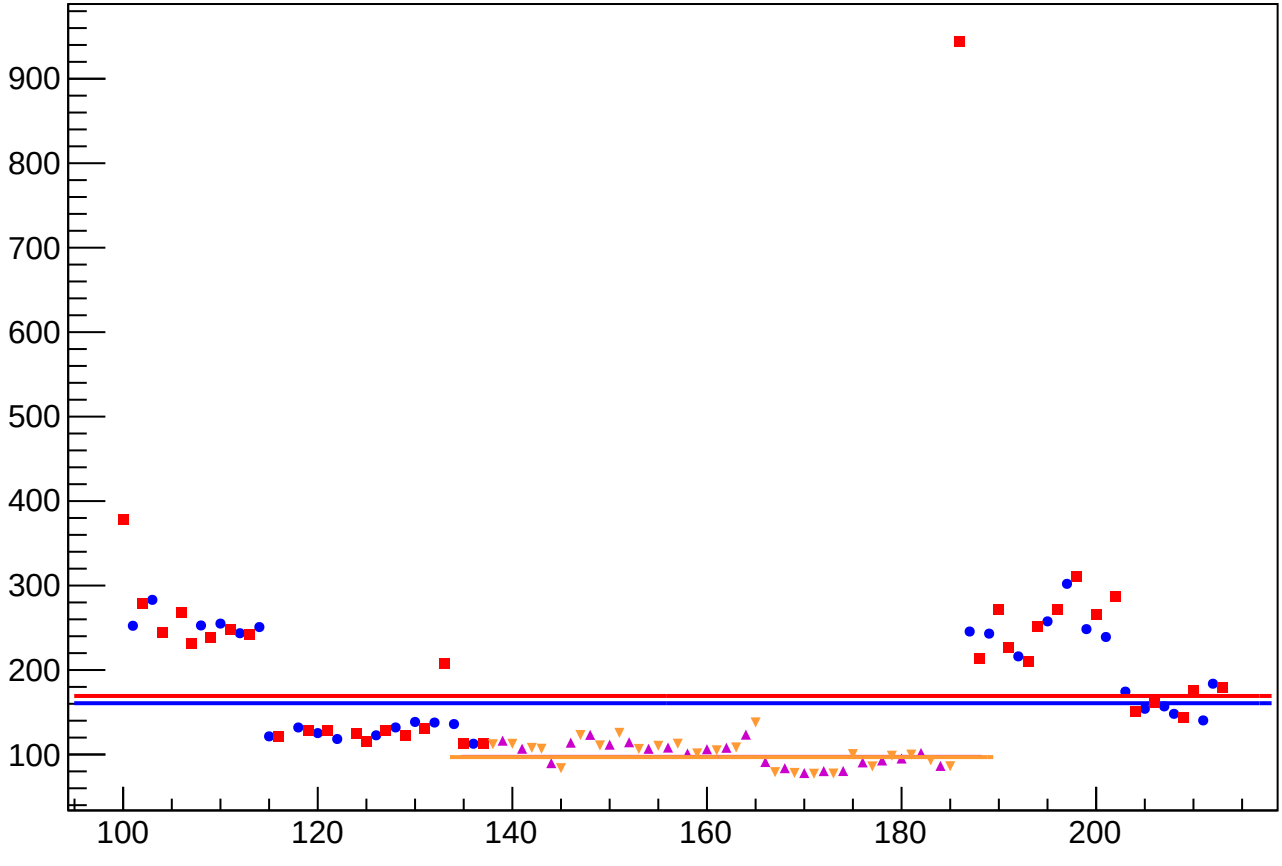
Right: -3.231+/-29.080 χ^2/NDF: 83.4/62

In: 56.876+/-20.102 χ^2/NDF:61.8/51

Out: 11.070+/-19.730 χ^2/NDF:86.6/58

All: 33.545+/-14.081 χ^2/NDF: 151.1/110

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 160.711+/-0.029 χ^2/NDF: 2864918.2/28

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

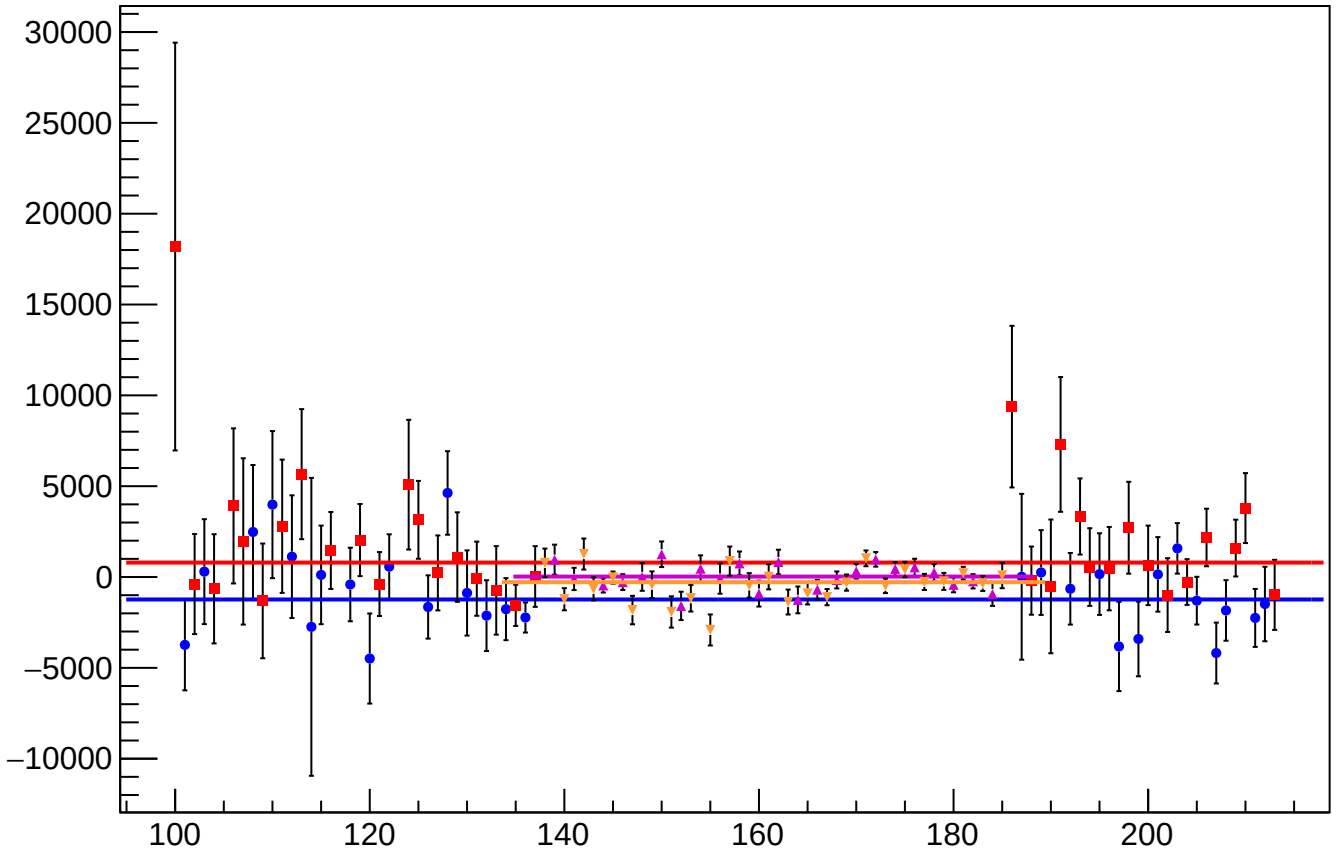
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 164.903+/-0.021 χ^2/NDF: 6924769.5/62

In: 112.679+/-0.014 χ^2/NDF:7227050.1/51

Out: 113.204+/-0.014 χ^2/NDF:9645655.4/58

All: 112.946+/-0.010 χ^2/NDF: 16873400.6/11



Right In: -1235.948+/-355.532 χ^2/NDF: 27.3/28

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

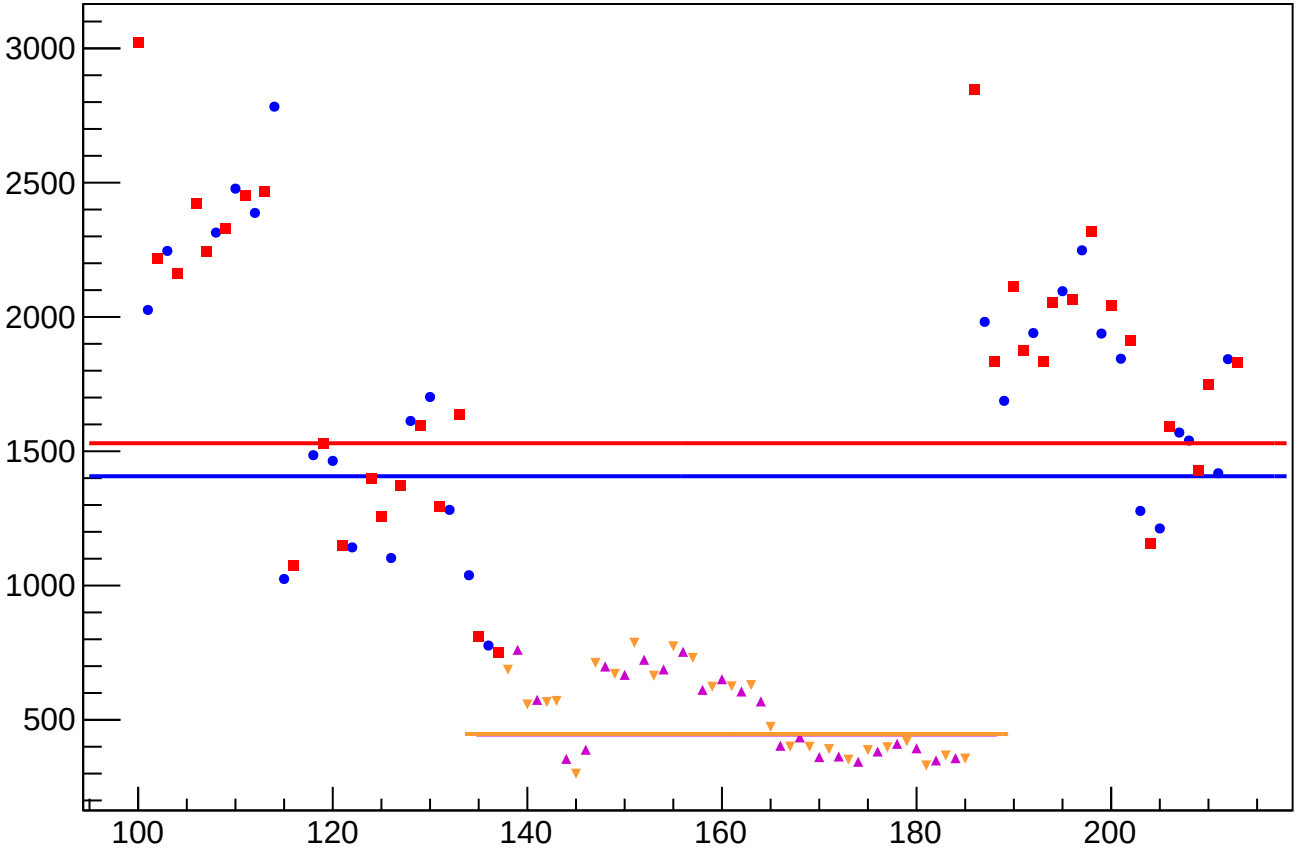
Right: -258.281+/-256.018 χ^2/NDF: 72.9/62

In: -83.468+/-104.111 χ^2/NDF:71.8/51

Out: -199.738+/-102.229 χ^2/NDF:88.2/58

All: -142.663+/-72.943 χ^2/NDF: 160.6/110

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1407.018+/-0.251 χ^2/NDF: 3271955.9/28

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

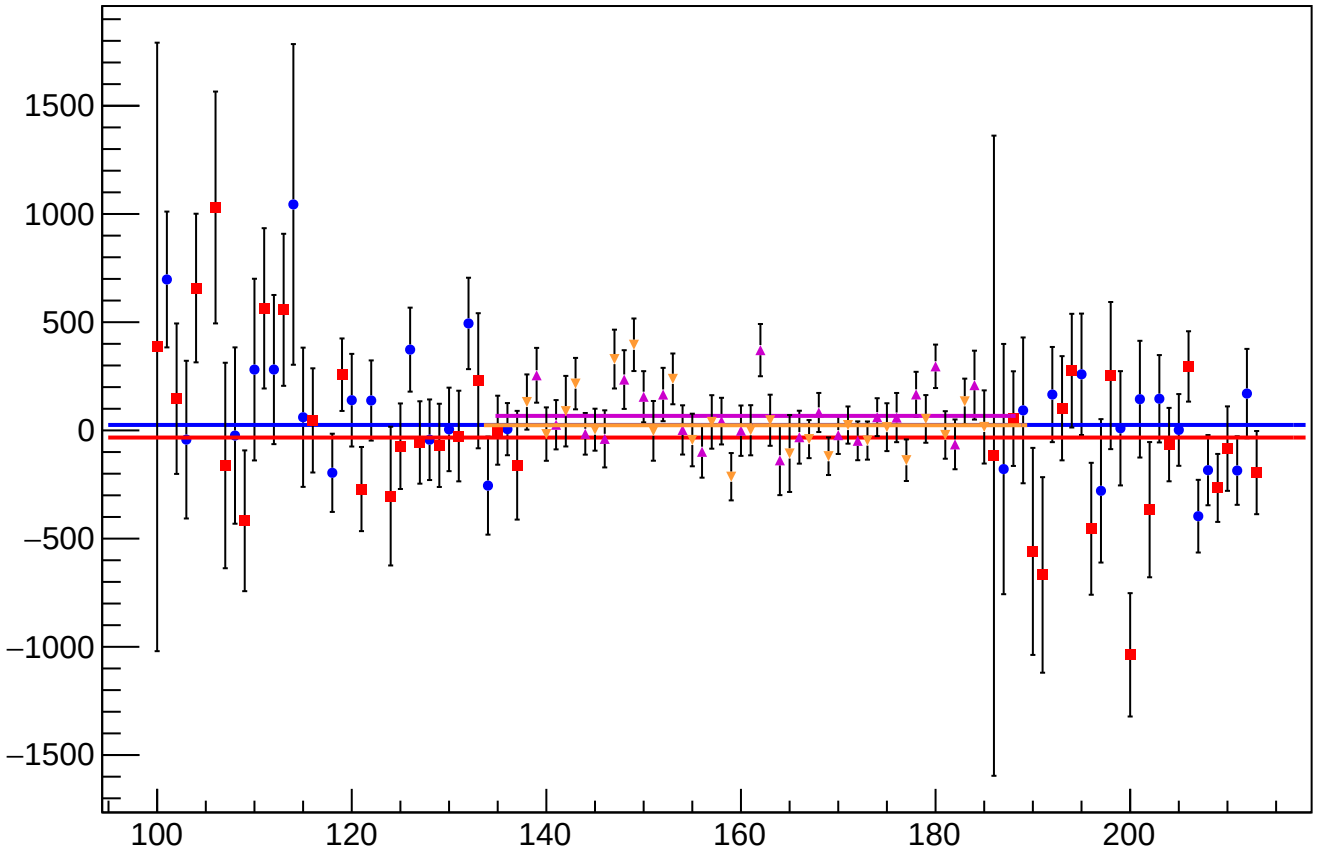
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1466.162+/-0.181 χ^2/NDF: 6865977.1/62

In: 527.942+/-0.074 χ^2/NDF:19359230.9/51

Out: 530.483+/-0.072 χ^2/NDF:22569512.3/58

All: 529.235+/-0.052 χ^2/NDF: 41929349.7/11



Right In: 25.264+/-40.687 χ^2/NDF: 32.4/28

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

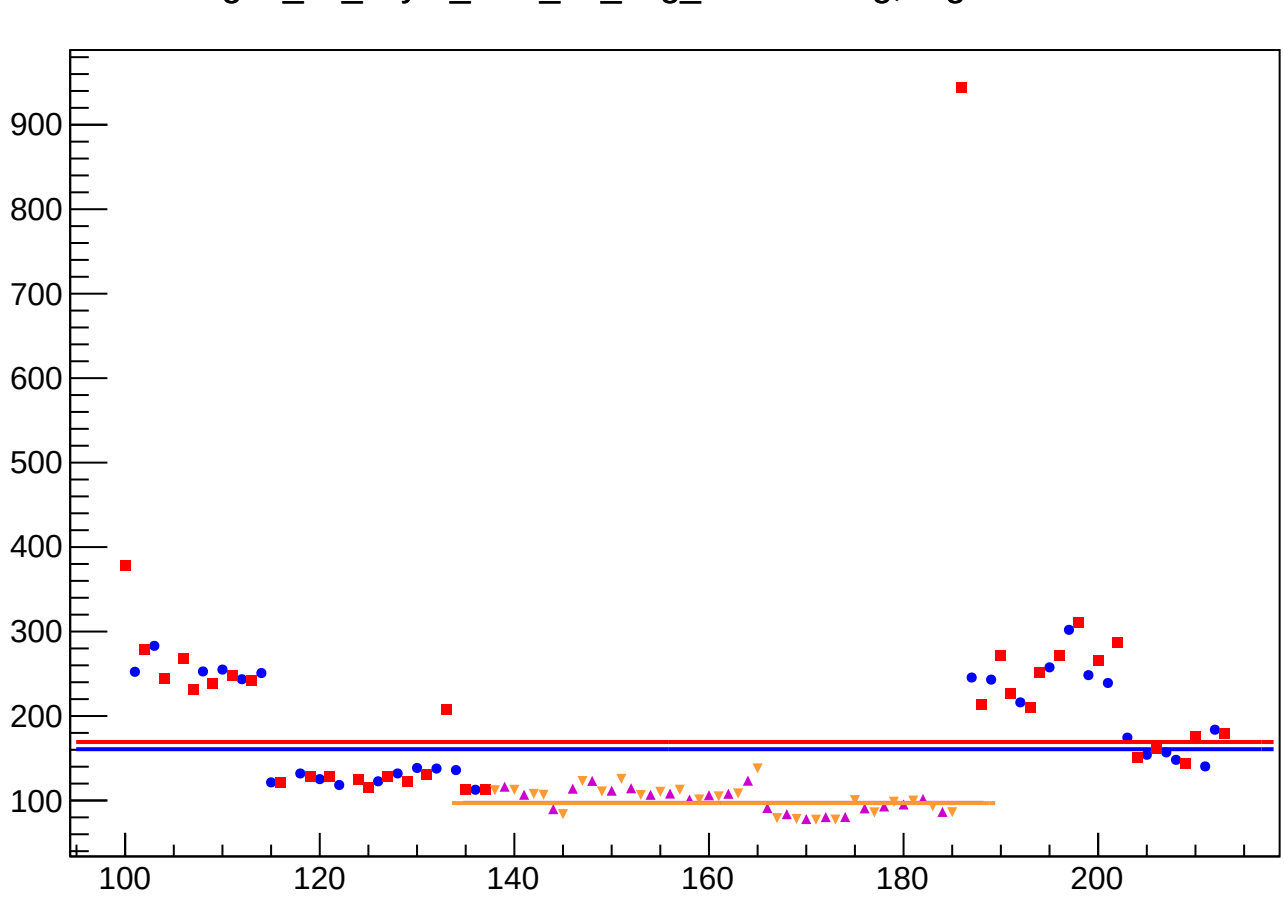
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: -3.229+/-29.080 χ^2/NDF: 83.4/62

In: 56.877+/-20.102 χ^2/NDF:61.8/51

Out: 11.069+/-19.730 χ^2/NDF:86.6/58

All: 33.545+/-14.081 χ^2/NDF: 151.1/110



Right In: 160.711+/-0.029 χ^2/NDF: 2864930.1/28

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

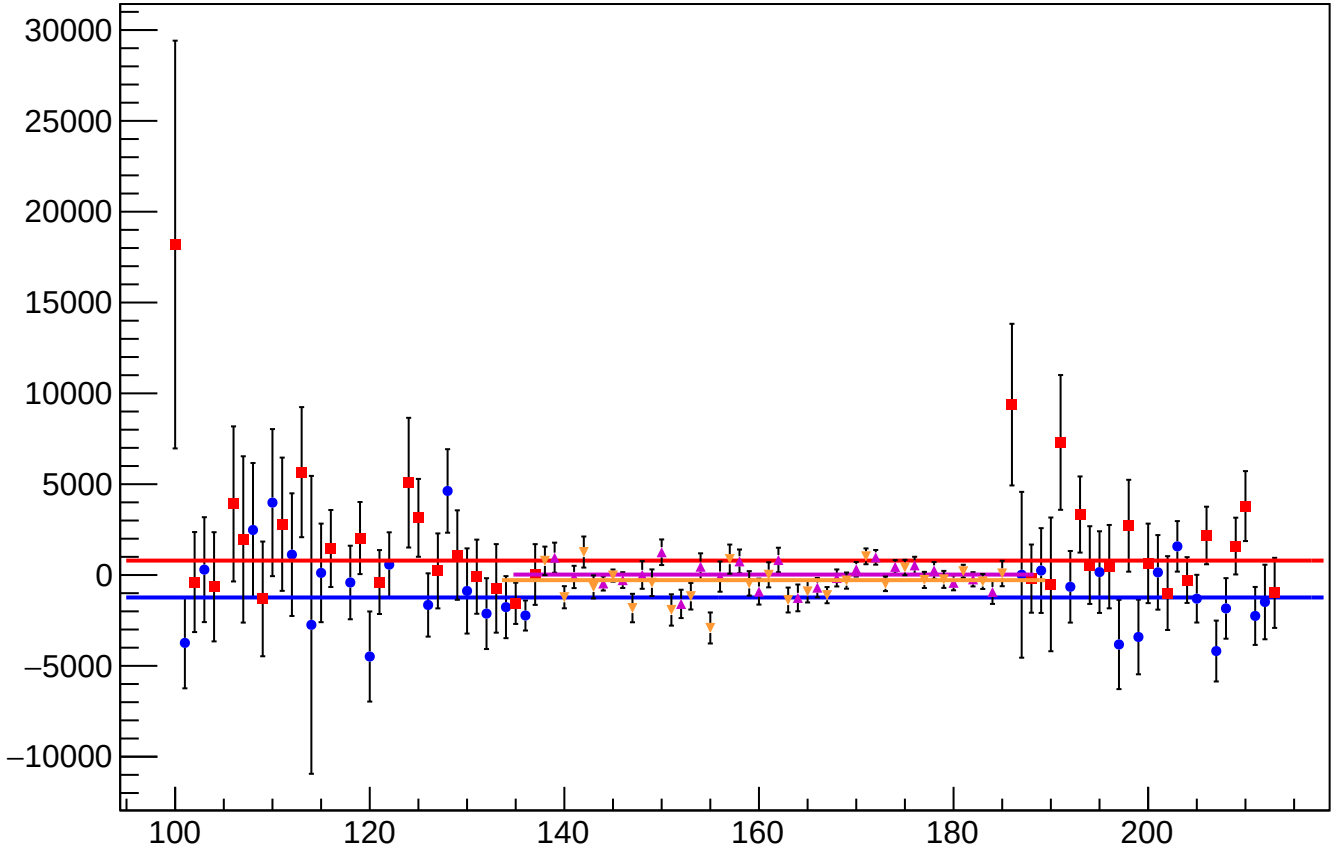
Right: 164.902+/-0.021 χ^2/NDF: 6924785.2/62

In: 112.679+/-0.014 χ^2/NDF:7226964.0/51

Out: 113.204+/-0.014 χ^2/NDF:9645595.4/58

All: 112.946+/-0.010 χ^2/NDF: 16873254.3/11

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1235.946+/-355.532 χ^2/NDF: 27.3/28

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

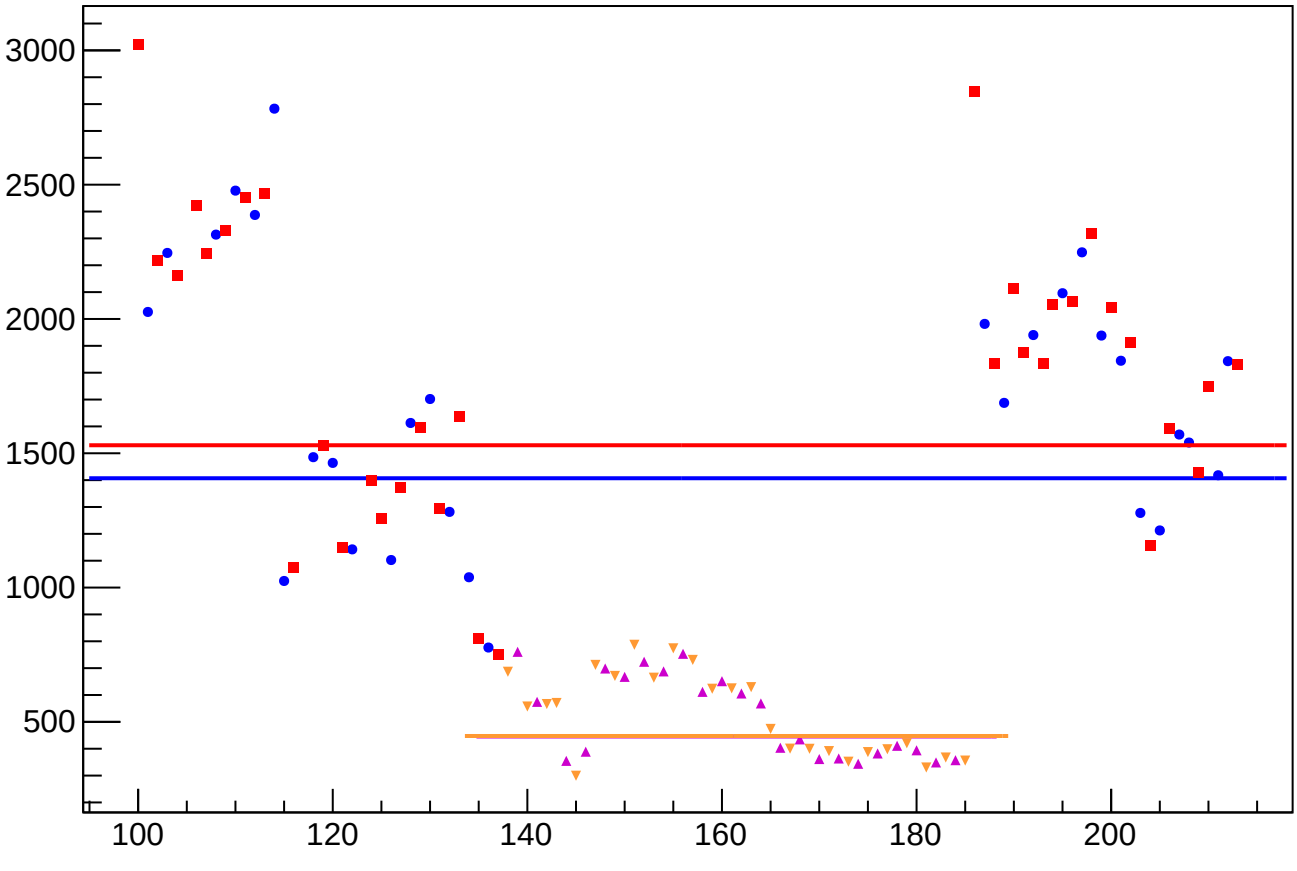
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -258.280+/-256.018 χ^2/NDF: 72.9/62

In: -83.468+/-104.111 χ^2/NDF:71.8/51

Out: -199.737+/-102.229 χ^2/NDF:88.2/58

All: -142.662+/-72.943 χ^2/NDF: 160.6/110



Right In: 1407.018+/-0.251 χ^2/NDF: 3271936.7/28

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

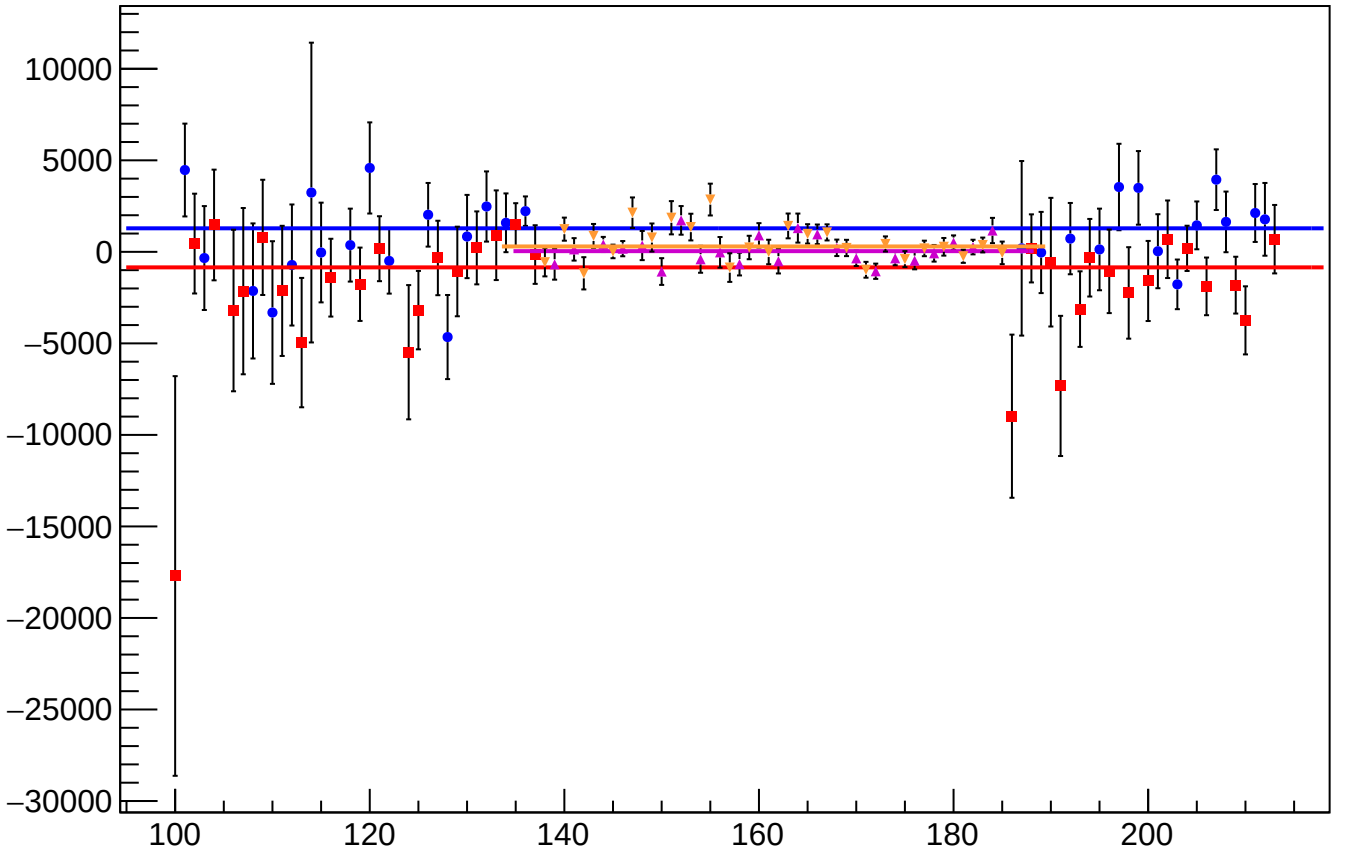
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1466.162+/-0.181 χ^2/NDF: 6865940.2/62

In: 527.942+/-0.074 χ^2/NDF:19359241.6/51

Out: 530.482+/-0.072 χ^2/NDF:22569543.2/58

All: 529.235+/-0.052 χ^2/NDF: 41929391.2/11



Right In: 1285.573+/-349.231 χ^2/NDF: 27.8/28

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

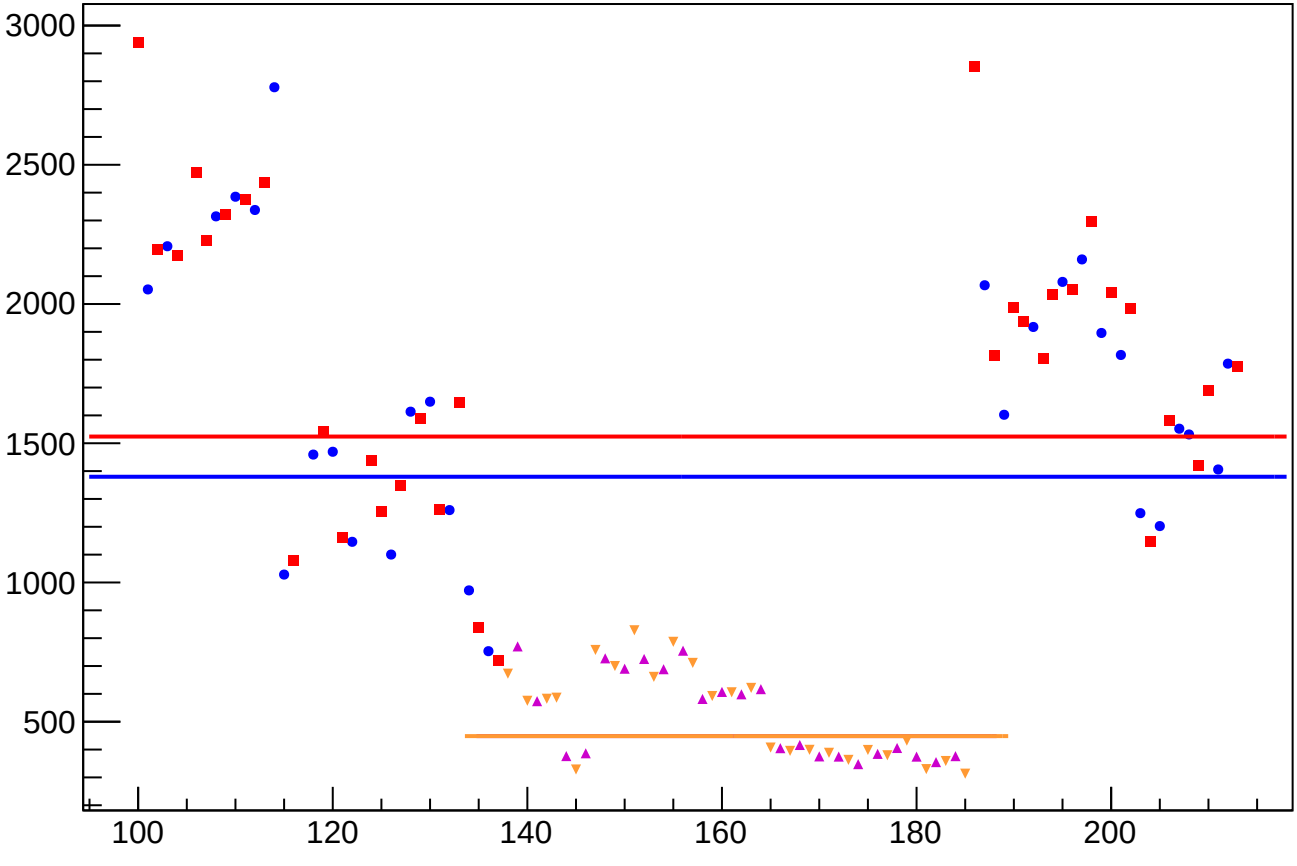
Right: 272.503+/-253.088 χ^2/NDF: 72.6/62

In: 149.426+/-104.324 χ^2/NDF:72.3/51

Out: 205.878+/-102.561 χ^2/NDF:86.5/58

All: 178.133+/-73.137 χ^2/NDF: 159.0/110

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1379.697+/-0.247 χ^2/NDF: 3354280.1/28

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

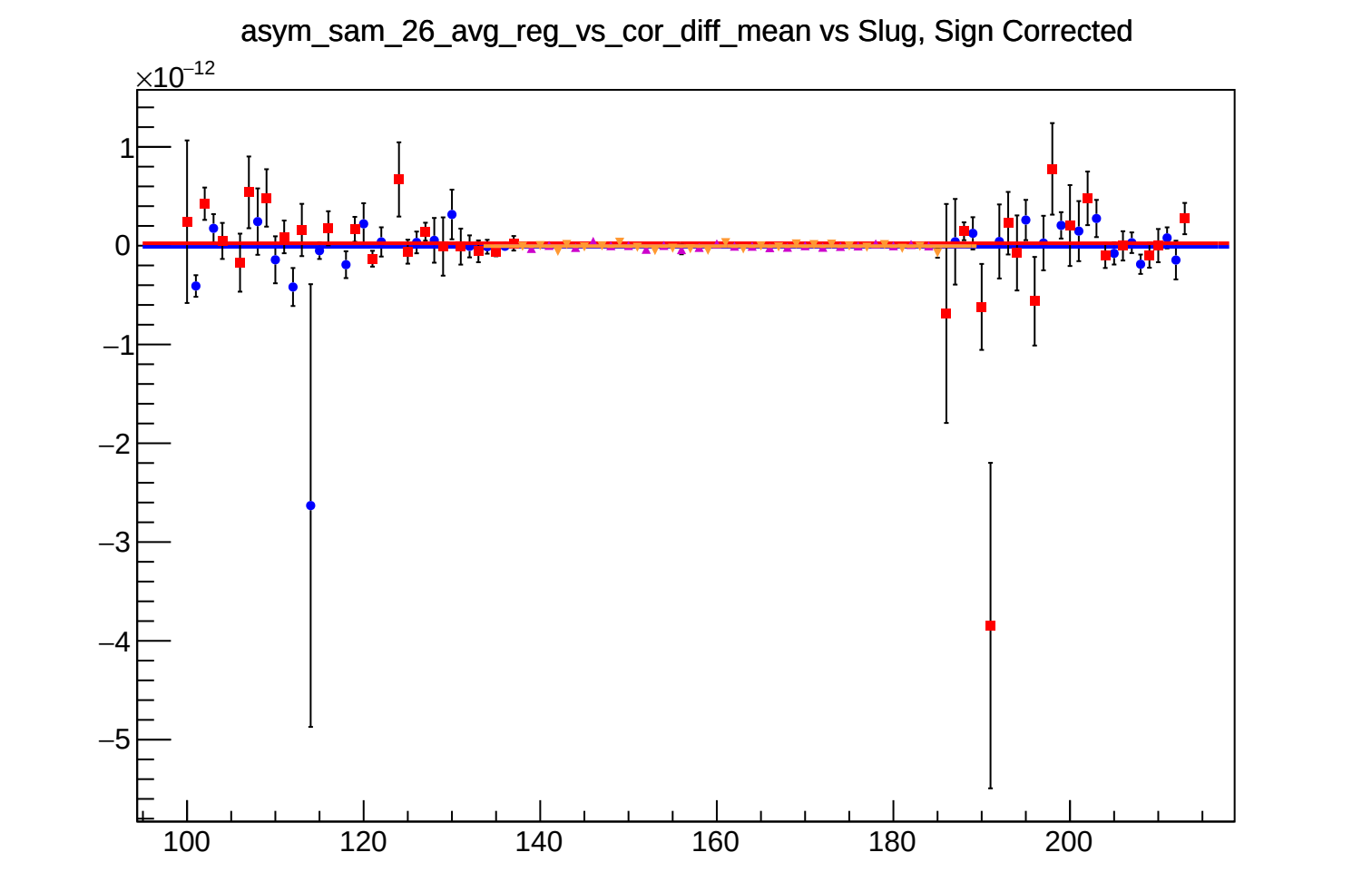
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1448.234+/-0.179 χ^2/NDF: 6919864.2/62

In: 531.503+/-0.074 χ^2/NDF:18928604.2/51

Out: 532.158+/-0.073 χ^2/NDF:22379481.3/58

All: 531.836+/-0.052 χ^2/NDF: 41308125.6/1



Right In: -0.000+/-0.000 χ^2/NDF: 39.6/28

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

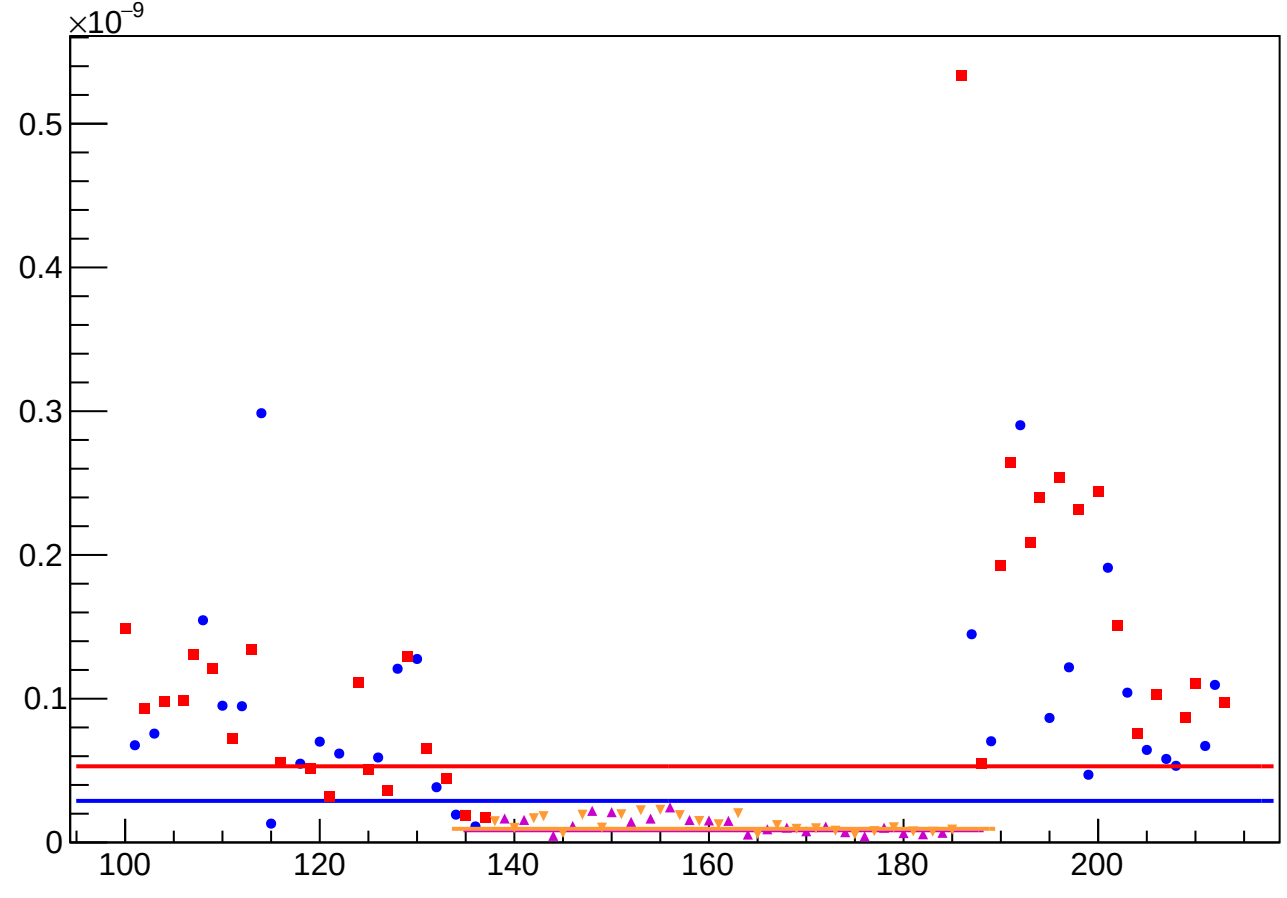
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 89.1/62

In: -0.000+/-0.000 χ^2/NDF:56.6/51

Out: -0.000+/-0.000 χ^2/NDF:72.5/58

All: -0.000+/-0.000 χ^2/NDF: 129.1/110



Right In: 0.000+/-0.000 χ^2/NDF: 7410523.9/28

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

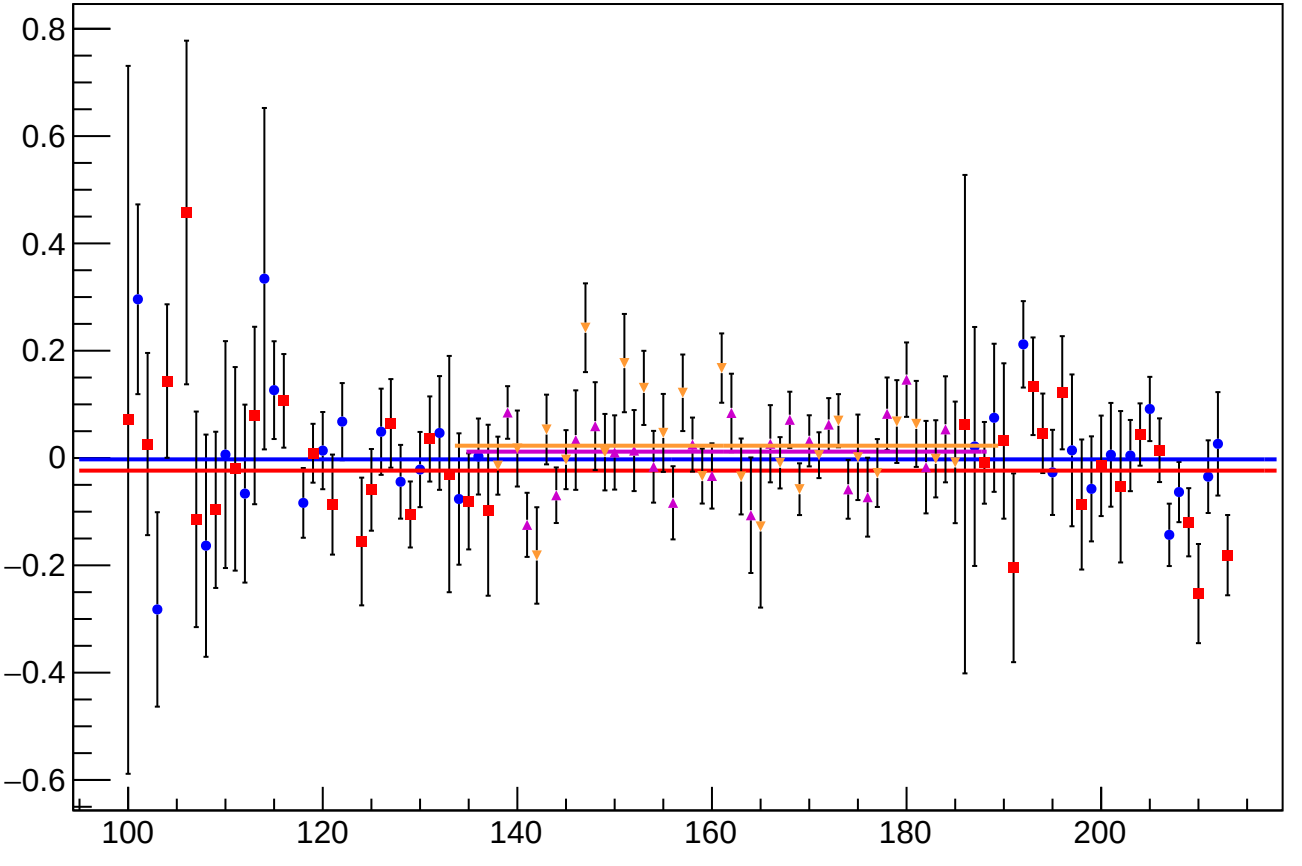
Right: 0.000+/-0.000 χ^2/NDF: 15175699.6/62

In: 0.000+/-0.000 χ^2/NDF:13107145.4/51

Out: 0.000+/-0.000 χ^2/NDF:15209049.6/58

All: 0.000+/-0.000 χ^2/NDF: 28401854.3/110

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.016 χ^2/NDF: 30.8/28

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

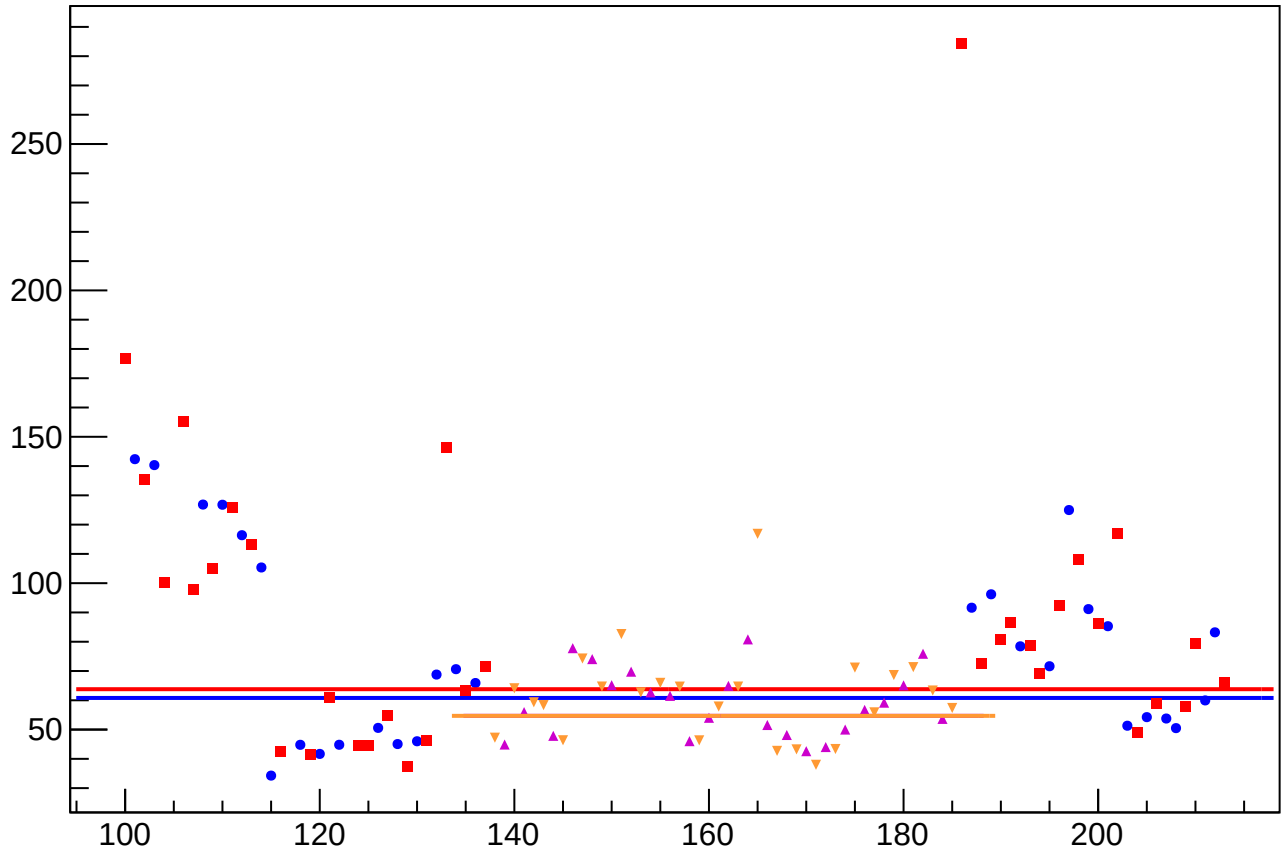
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.013+/-0.011 χ^2/NDF: 66.8/62

In: 0.006+/-0.010 χ^2/NDF:57.1/51

Out: 0.005+/-0.010 χ^2/NDF:74.3/58

All: 0.005+/-0.007 χ^2/NDF: 131.5/110



Right In: 60.799+/-0.011 χ^2/NDF: 3570294.9/28

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

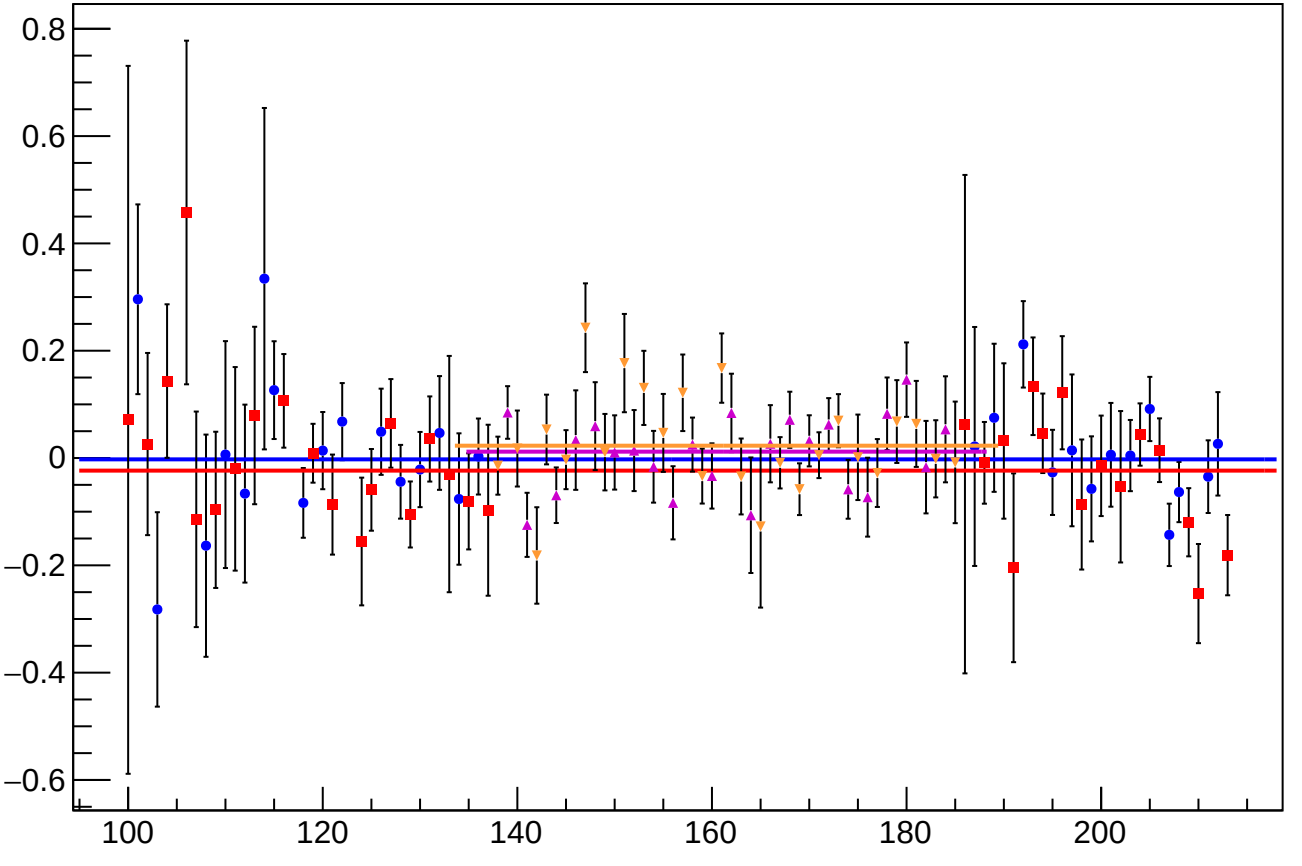
Right: 62.275+/-0.008 χ^2/NDF: 7973245.8/62

In: 57.179+/-0.007 χ^2/NDF:4934296.5/51

Out: 58.231+/-0.007 χ^2/NDF:6690986.6/58

All: 57.710+/-0.005 χ^2/NDF: 11636003.1/110

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.016 χ^2/NDF: 30.8/28

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

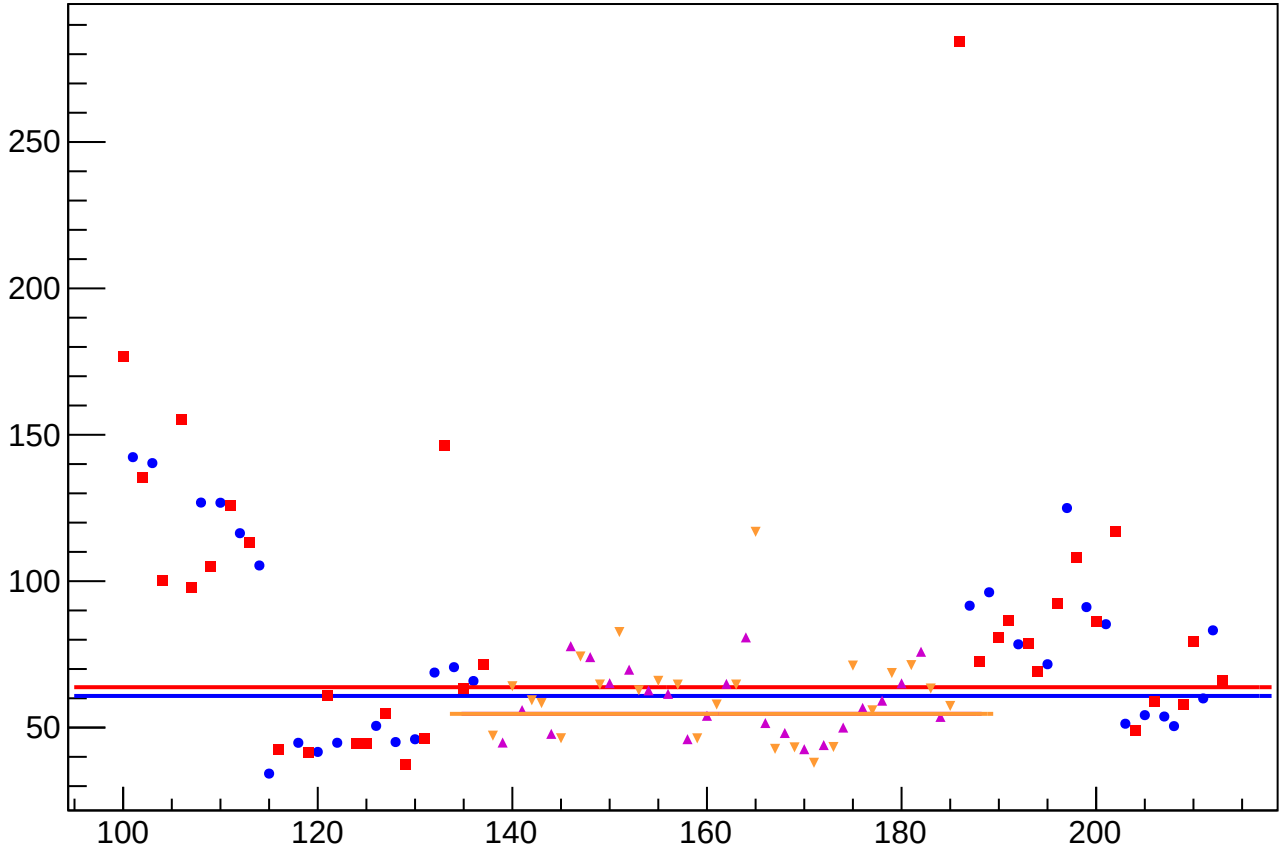
Right: -0.013+/-0.011 χ^2/NDF: 66.8/62

In: 0.006+/-0.010 χ^2/NDF:57.1/51

Out: 0.005+/-0.010 χ^2/NDF:74.3/58

All: 0.005+/-0.007 χ^2/NDF: 131.5/110

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.799+/-0.011 χ^2/NDF: 3570294.9/28

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

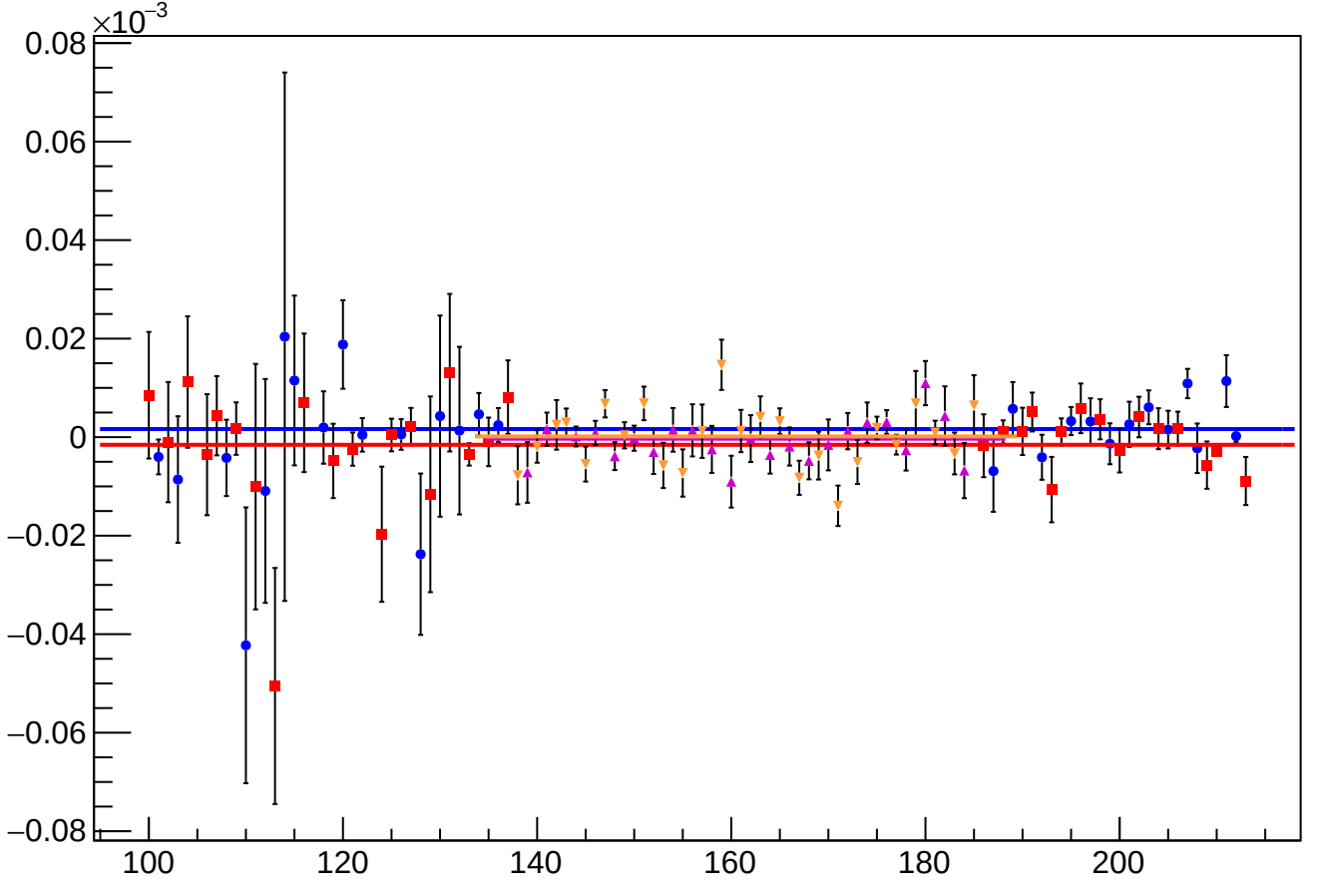
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 62.275+/-0.008 χ^2/NDF: 7973245.8/62

In: 57.179+/-0.007 χ^2/NDF:4934296.5/51

Out: 58.231+/-0.007 χ^2/NDF:6690986.6/58

All: 57.710+/-0.005 χ^2/NDF: 11636003.1/110



Right In: 0.000+/-0.000 χ^2/NDF: 34.8/28

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

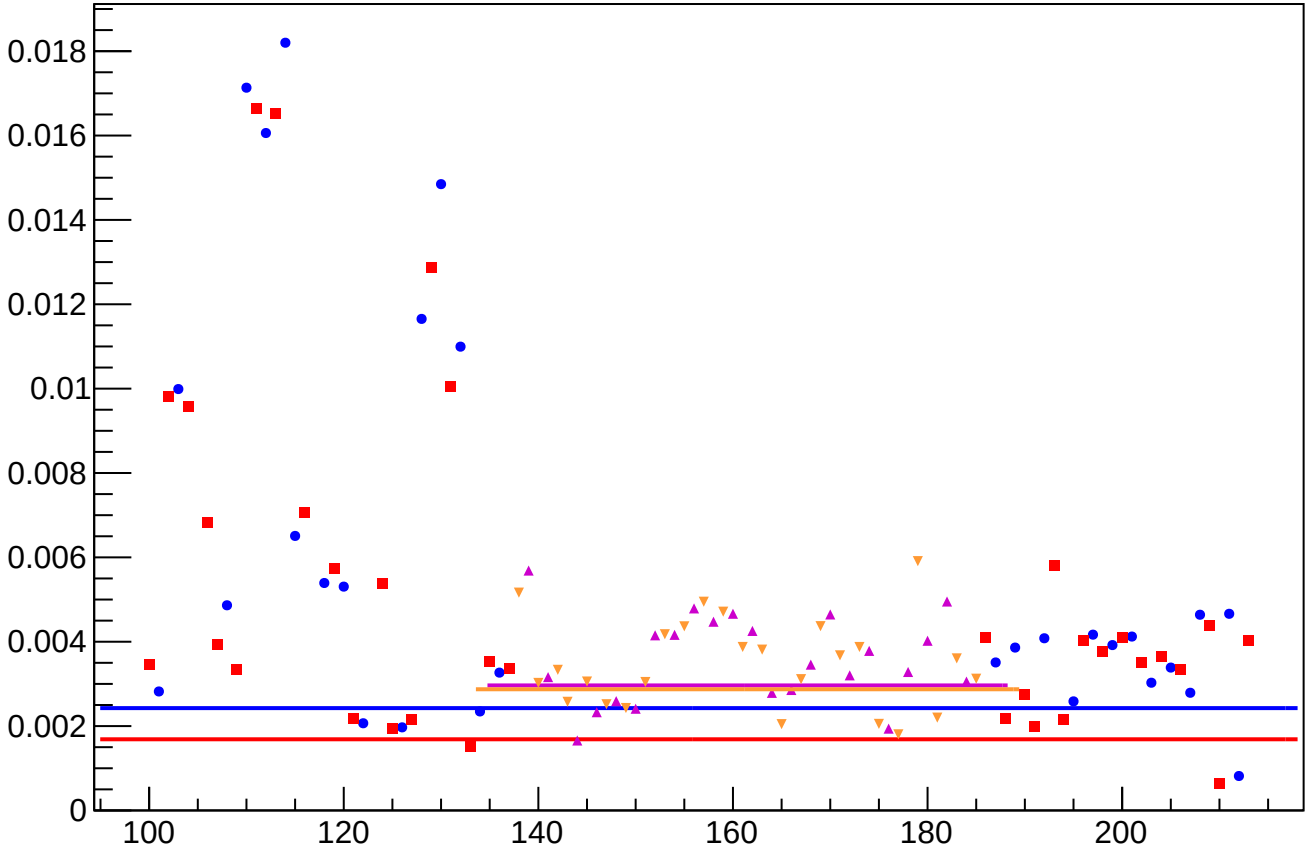
Right: -0.000+/-0.000 χ^2/NDF: 81.4/62

In: 0.000+/-0.000 χ^2/NDF:58.9/51

Out: -0.000+/-0.000 χ^2/NDF:91.9/58

All: -0.000+/-0.000 χ^2/NDF: 156.3/110

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 10800510.3/28

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

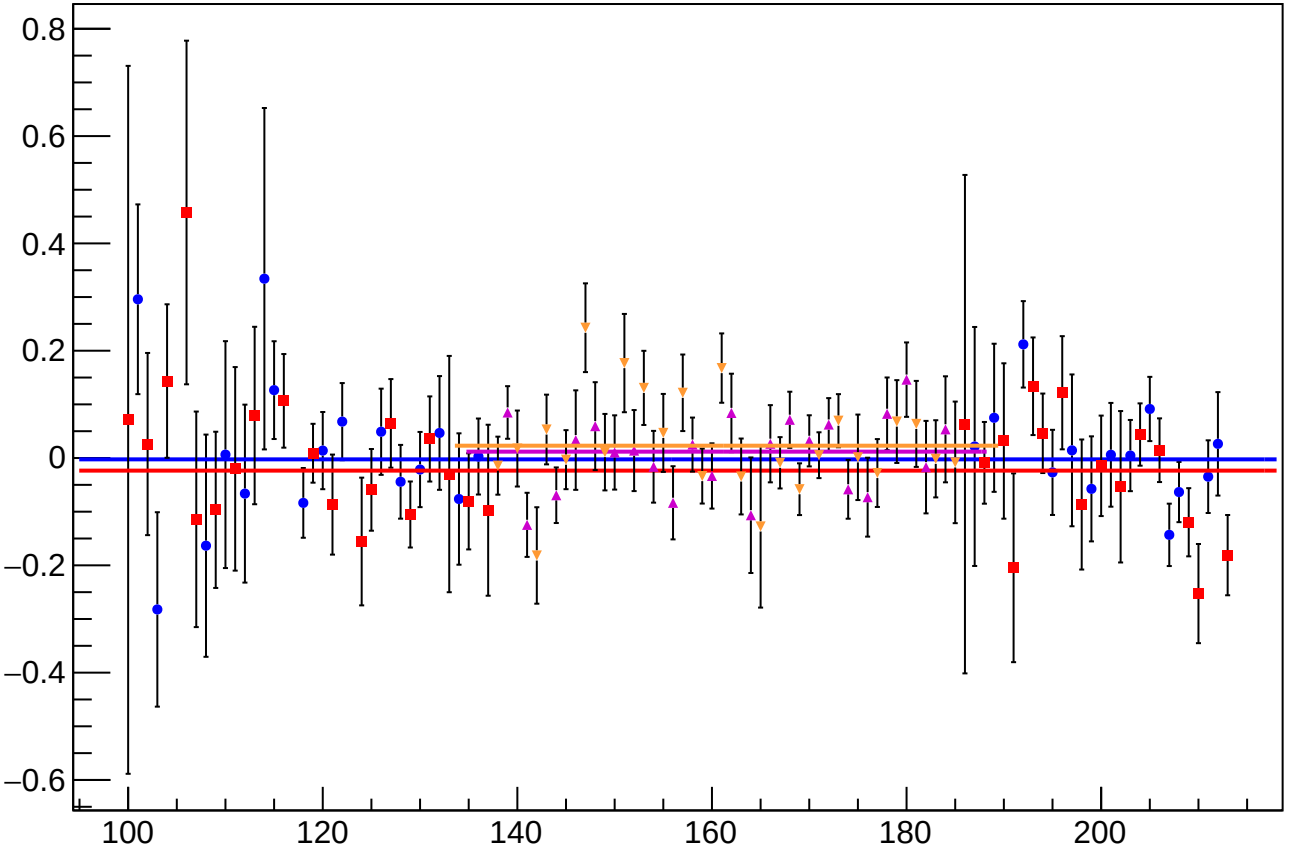
Right: 0.002+/-0.000 χ^2/NDF: 27872770.4/62

In: 0.003+/-0.000 χ^2/NDF:14946807.4/51

Out: 0.002+/-0.000 χ^2/NDF:22990578.7/58

All: 0.002+/-0.000 χ^2/NDF: 39249005.8/110

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.016 χ^2/NDF: 30.8/28

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

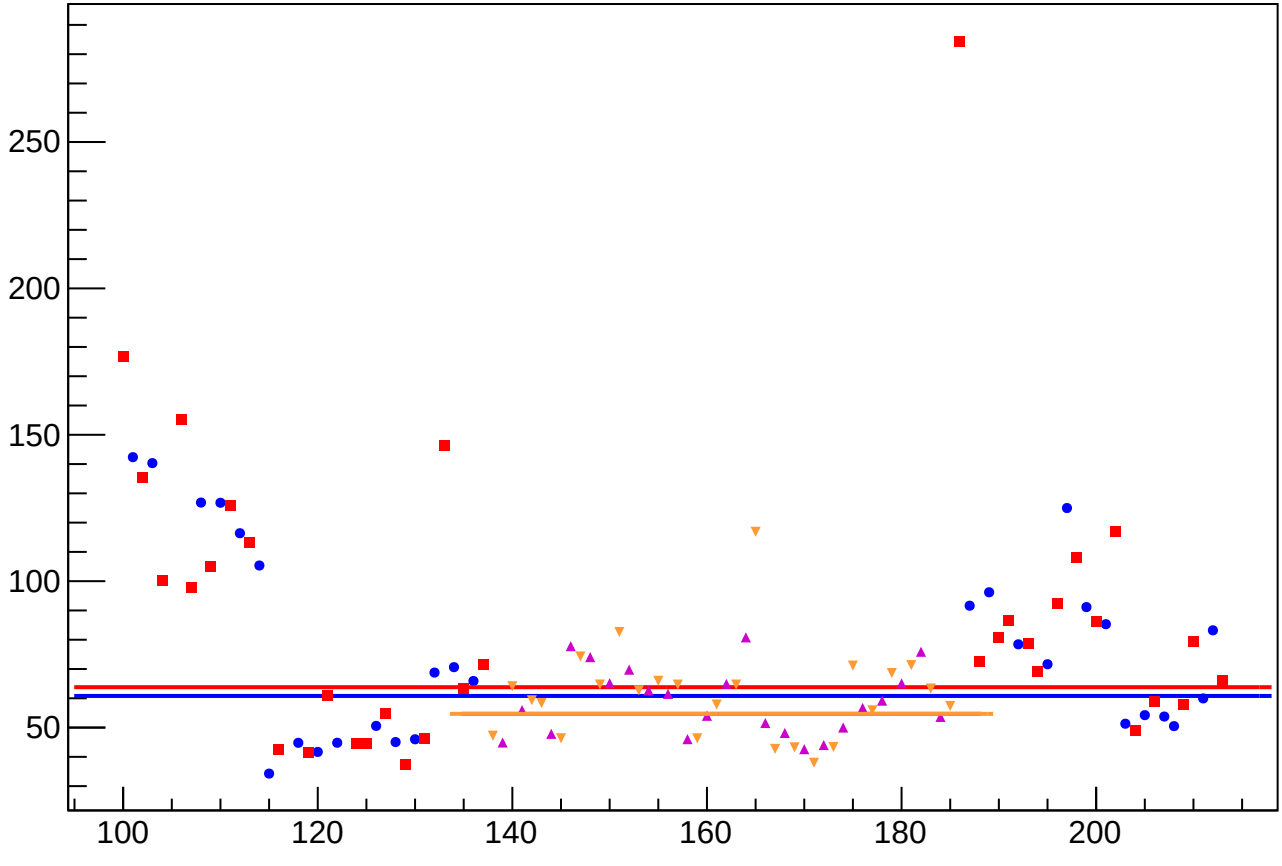
Right: -0.013+/-0.011 χ^2/NDF: 66.8/62

In: 0.006+/-0.010 χ^2/NDF:57.1/51

Out: 0.005+/-0.010 χ^2/NDF:74.3/58

All: 0.005+/-0.007 χ^2/NDF: 131.5/110

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.799+/-0.011 χ^2/NDF: 3570287.1/28

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

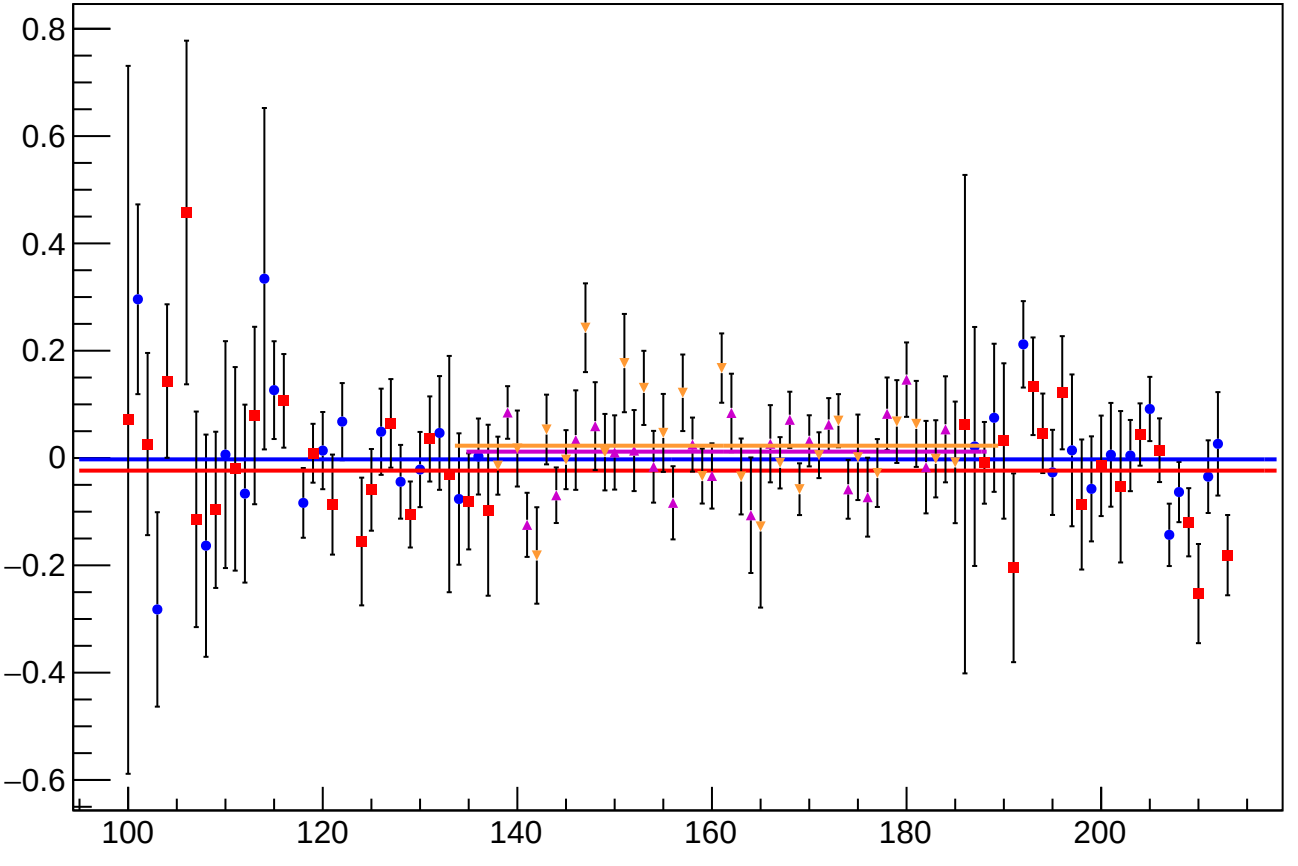
Right: 62.274+/-0.008 χ^2/NDF: 7973234.0/62

In: 57.180+/-0.007 χ^2/NDF:4934213.2/51

Out: 58.231+/-0.007 χ^2/NDF:6690920.2/58

All: 57.711+/-0.005 χ^2/NDF: 11635851.8/110

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.016 χ^2/NDF: 30.8/28

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

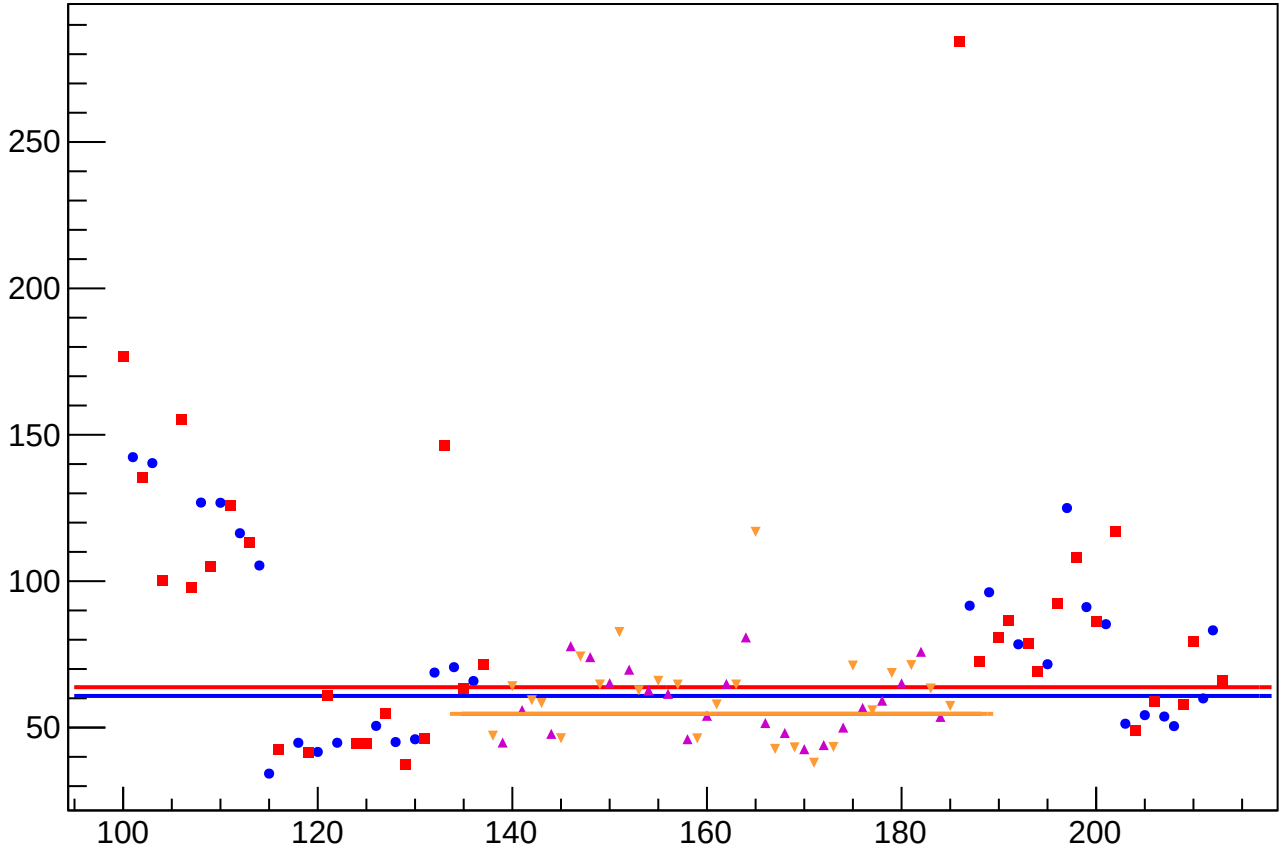
Right: -0.013+/-0.011 χ^2/NDF: 66.8/62

In: 0.006+/-0.010 χ^2/NDF:57.1/51

Out: 0.005+/-0.010 χ^2/NDF:74.3/58

All: 0.005+/-0.007 χ^2/NDF: 131.5/110

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.799+/-0.011 χ^2/NDF: 3570287.1/28

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

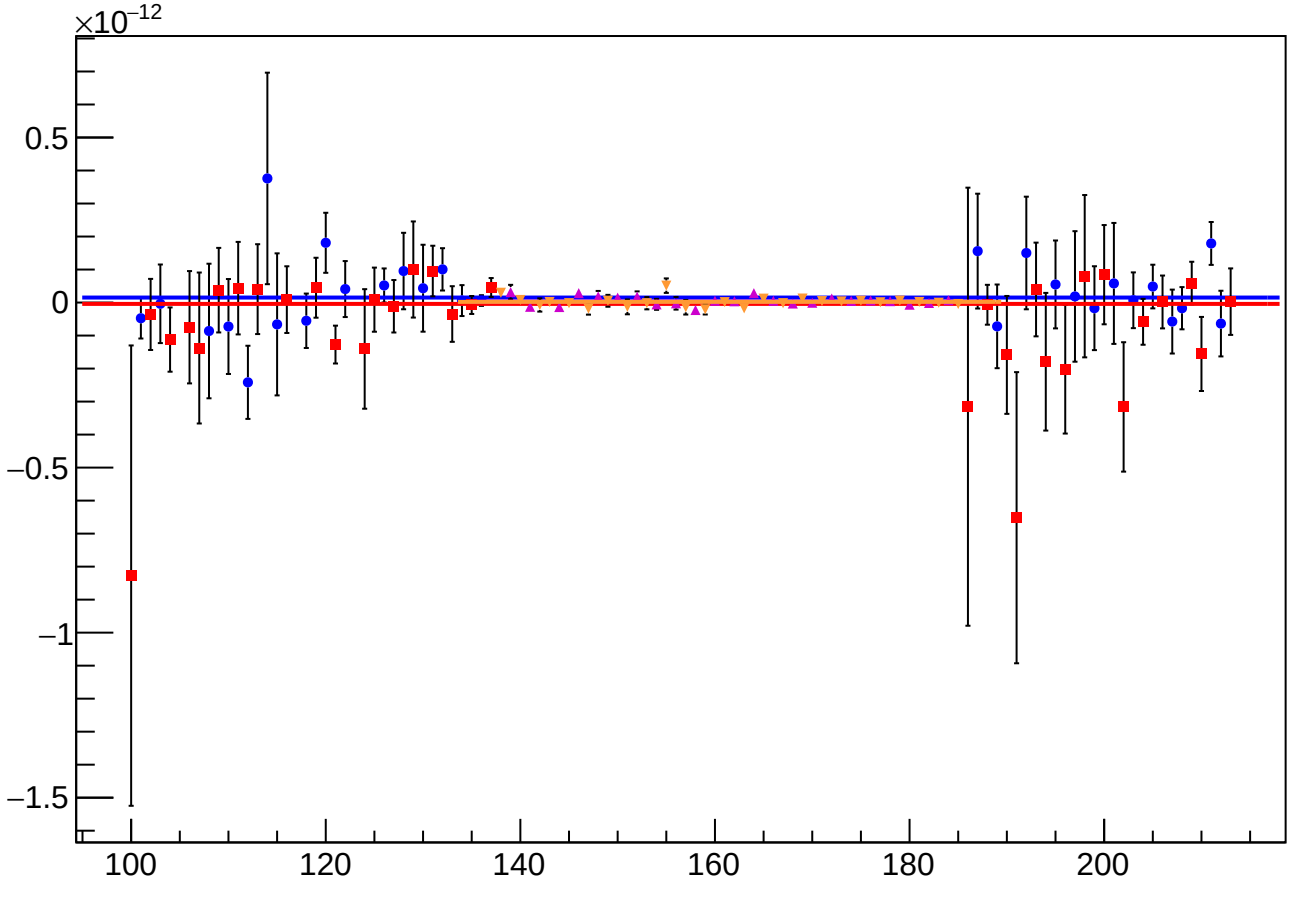
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 62.274+/-0.008 χ^2/NDF: 7973234.0/62

In: 57.180+/-0.007 χ^2/NDF:4934213.2/51

Out: 58.231+/-0.007 χ^2/NDF:6690920.2/58

All: 57.711+/-0.005 χ^2/NDF: 11635851.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/28

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

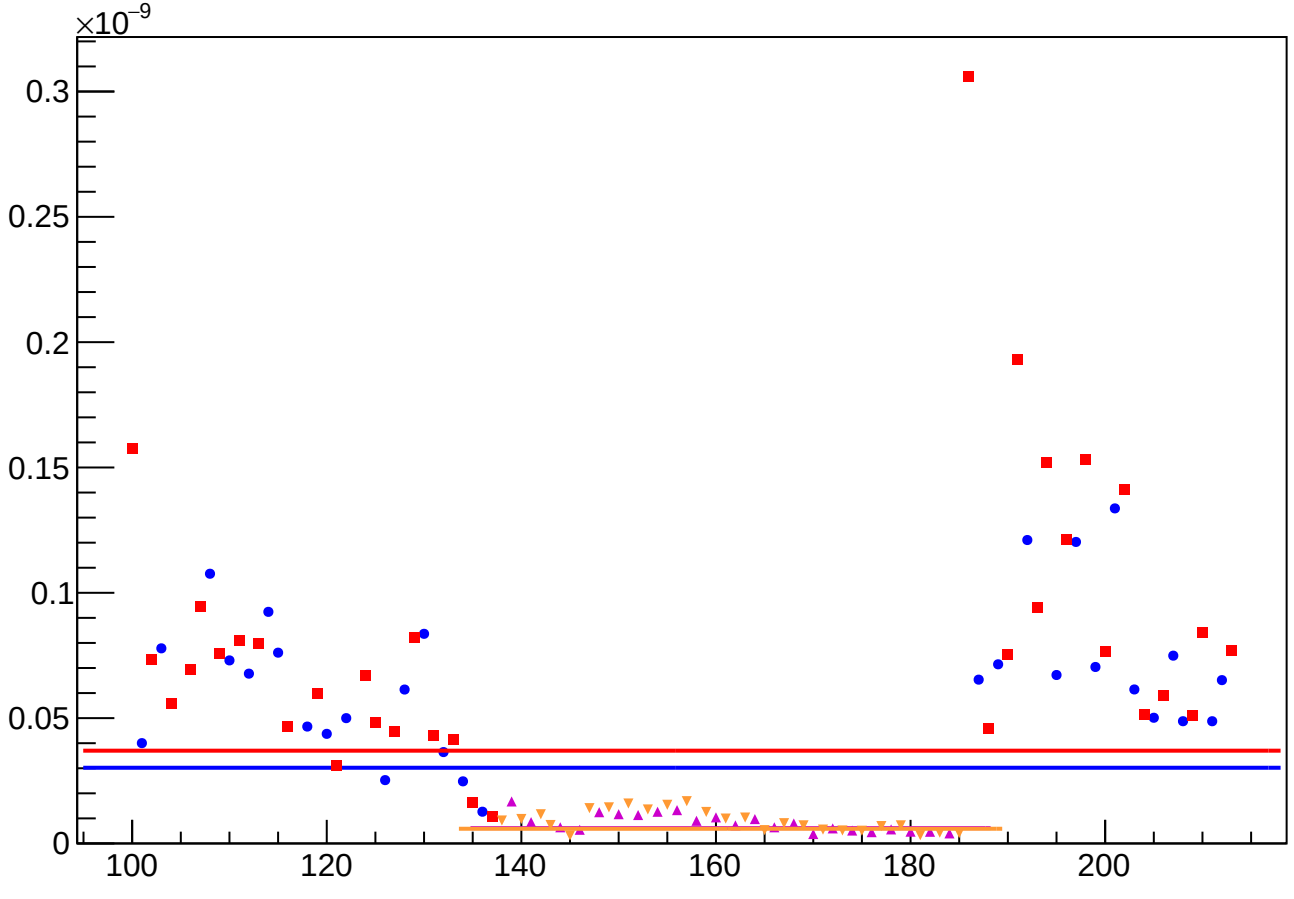
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 52.8/62

In: 0.000+/-0.000 χ^2/NDF:60.0/51

Out: 0.000+/-0.000 χ^2/NDF:46.7/58

All: 0.000+/-0.000 χ^2/NDF: 106.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 8083472.9/28

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

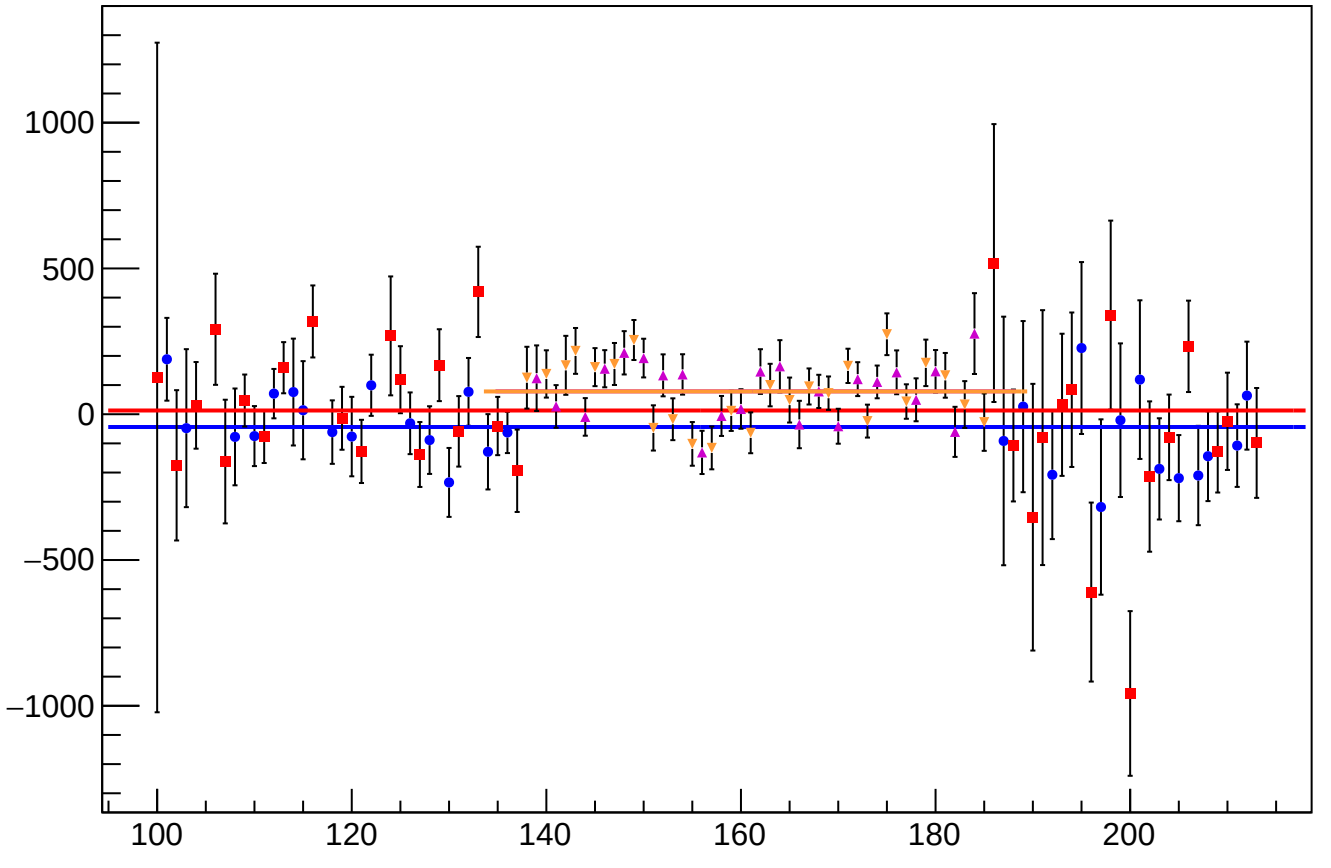
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 17003416.9/62

In: 0.000+/-0.000 χ^2/NDF:19655585.6/51

Out: 0.000+/-0.000 χ^2/NDF:24540500.6/58

All: 0.000+/-0.000 χ^2/NDF: 44226669.8/110



Right In: -43.850+/-25.658 χ^2/NDF: 18.1/28

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

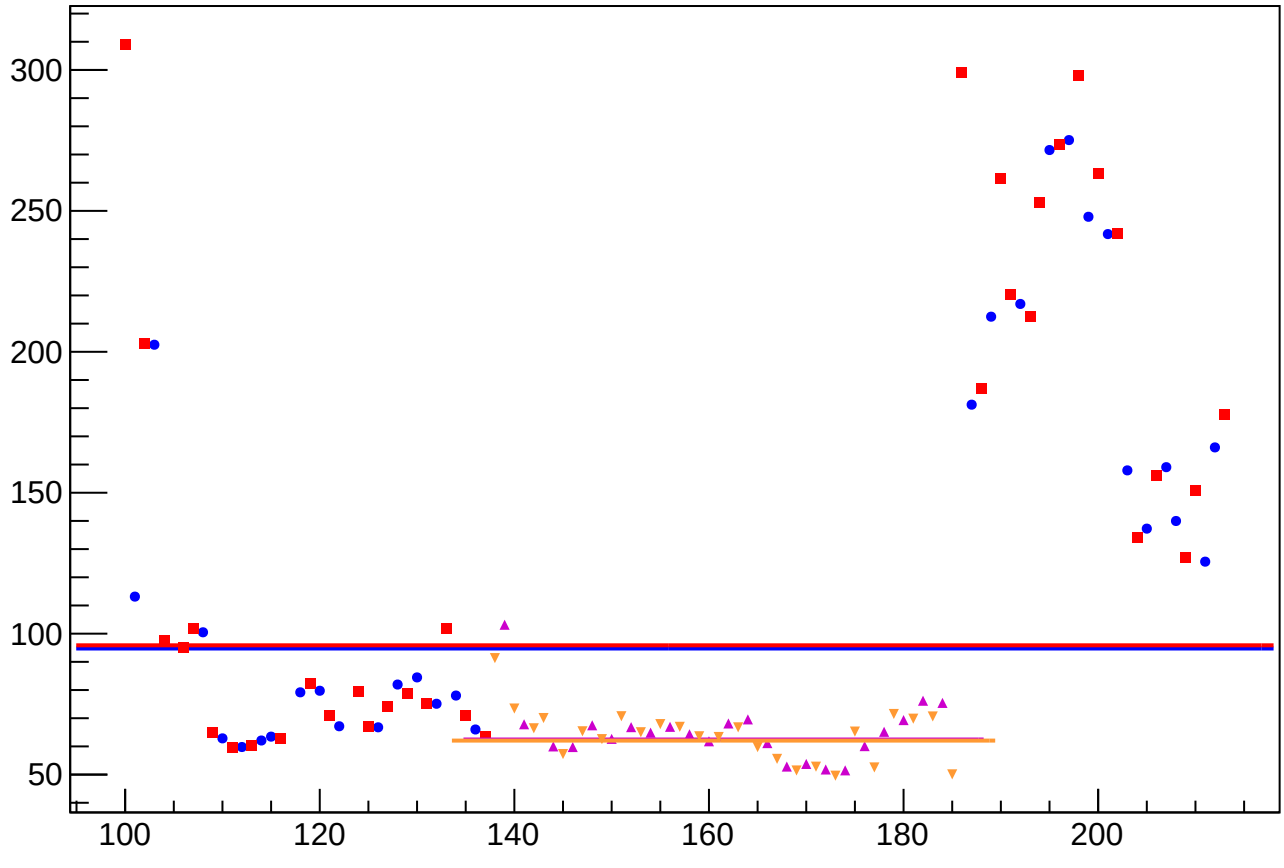
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: -15.160+/-18.026 χ^2/NDF: 75.1/62

In: 47.924+/-12.827 χ^2/NDF:71.8/51

Out: 62.322+/-12.470 χ^2/NDF:113.5/58

All: 55.327+/-8.941 χ^2/NDF: 186.0/110



Right In: 94.734+/-0.018 χ^2/NDF: 6817528.8/28

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

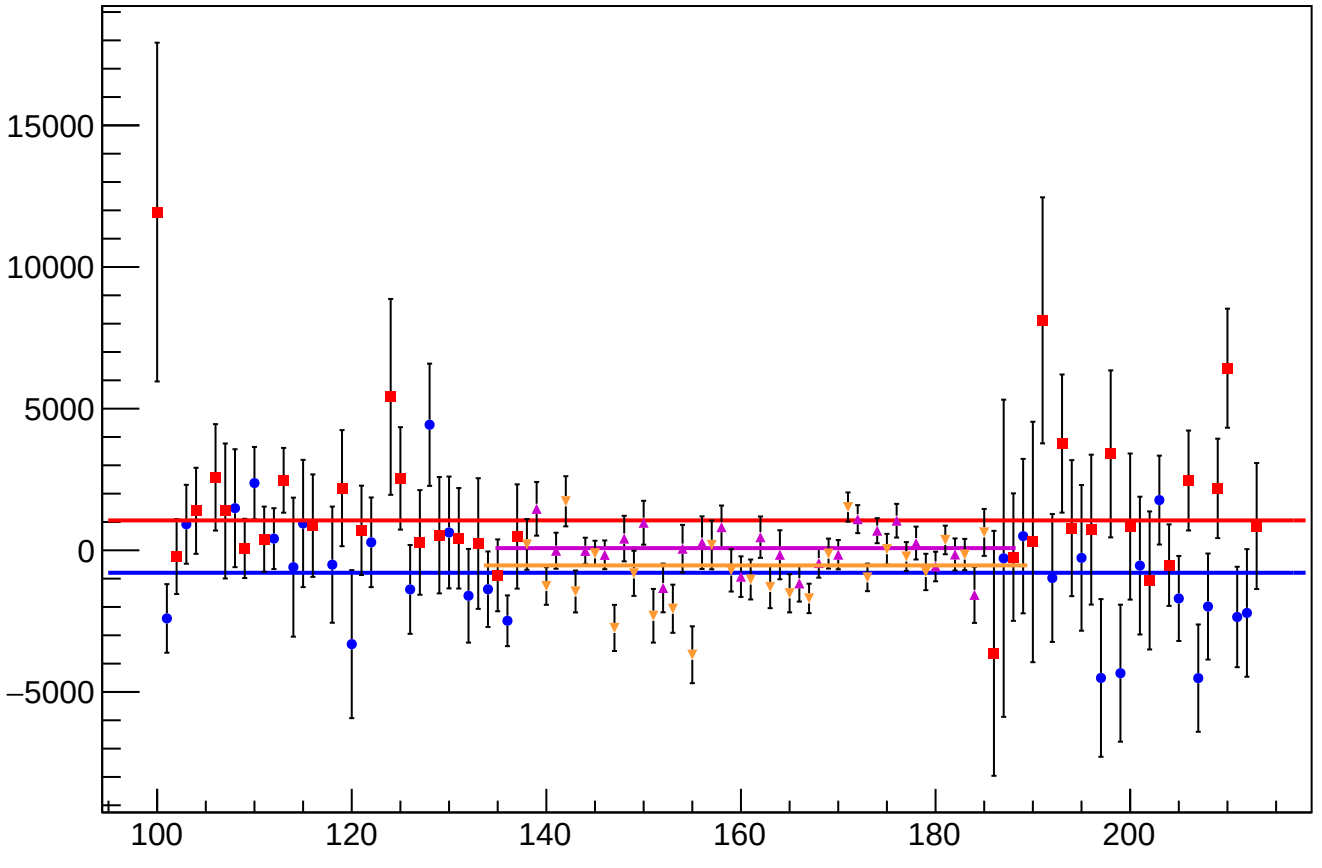
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 95.308+/-0.013 χ^2/NDF: 15272813.0/62

In: 70.515+/-0.009 χ^2/NDF:9857797.2/51

Out: 70.254+/-0.009 χ^2/NDF:11838534.0/58

All: 70.381+/-0.006 χ^2/NDF: 21696757.7/110



Right In: -793.158+/-315.858 χ^2/NDF: 37.1/28

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

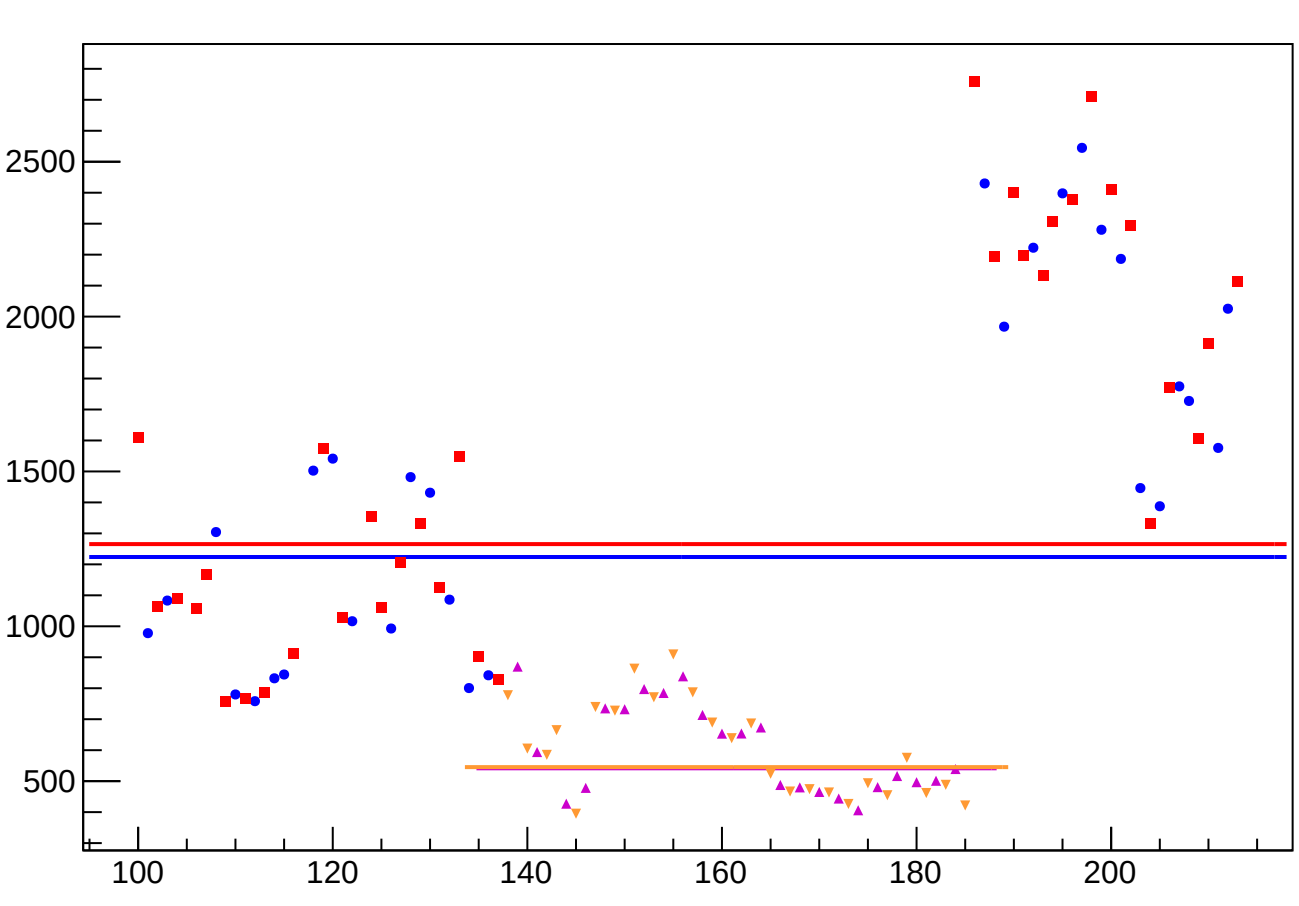
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 132.633+/-223.177 χ^2/NDF: 83.2/62

In: -49.240+/-120.467 χ^2/NDF:72.0/51

Out: -308.360+/-118.546 χ^2/NDF:119.8/58

All: -180.883+/-84.495 χ^2/NDF: 194.2/110



Right In: 1223.733+/-0.223 χ^2/NDF: 4512433.5/28

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

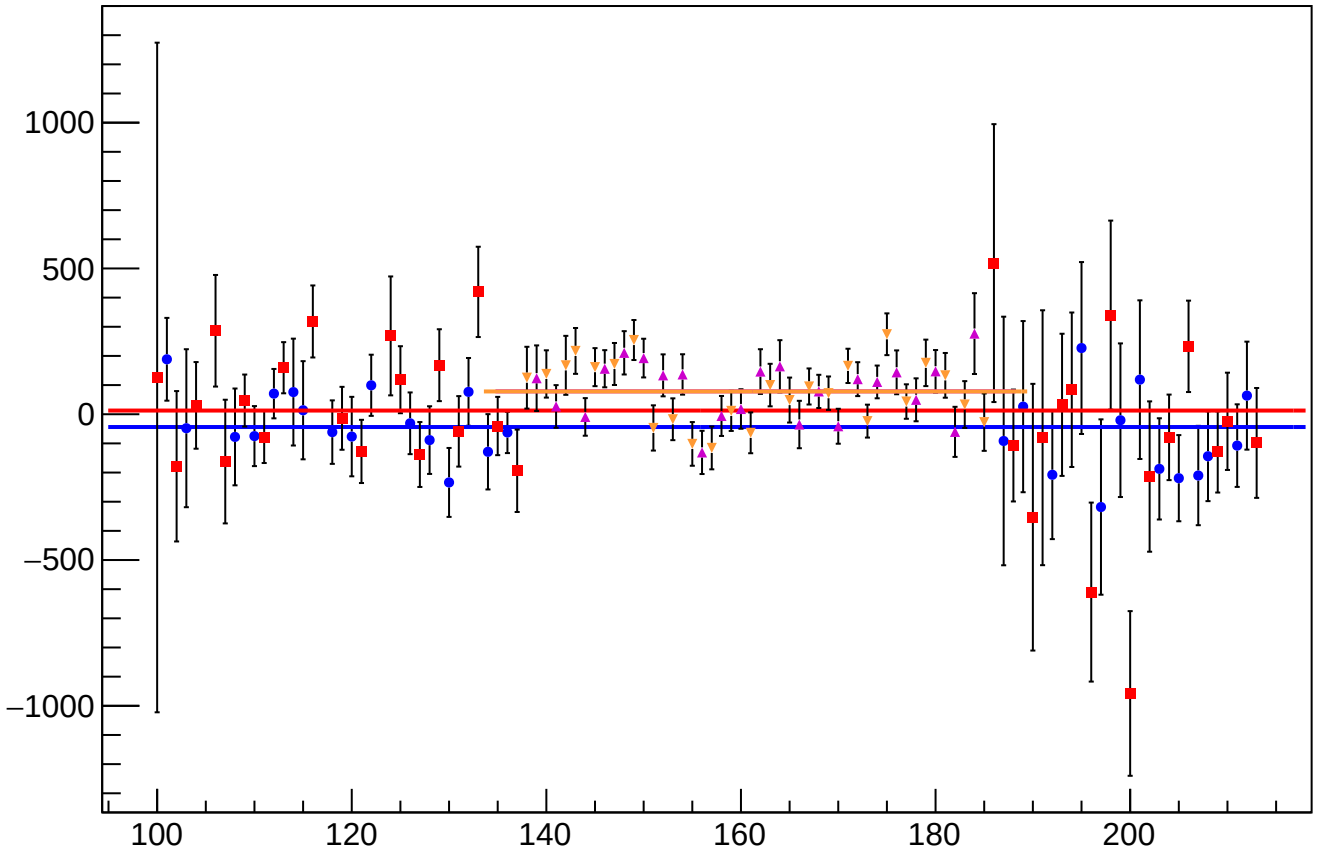
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1244.609+/-0.158 χ^2/NDF: 10102980.9/62

In: 640.703+/-0.085 χ^2/NDF:14327155.7/51

Out: 647.046+/-0.084 χ^2/NDF:16610662.0/58

All: 643.925+/-0.060 χ^2/NDF: 30940634.0/11



Right In: -43.858+/-25.658 χ^2/NDF: 18.1/28

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

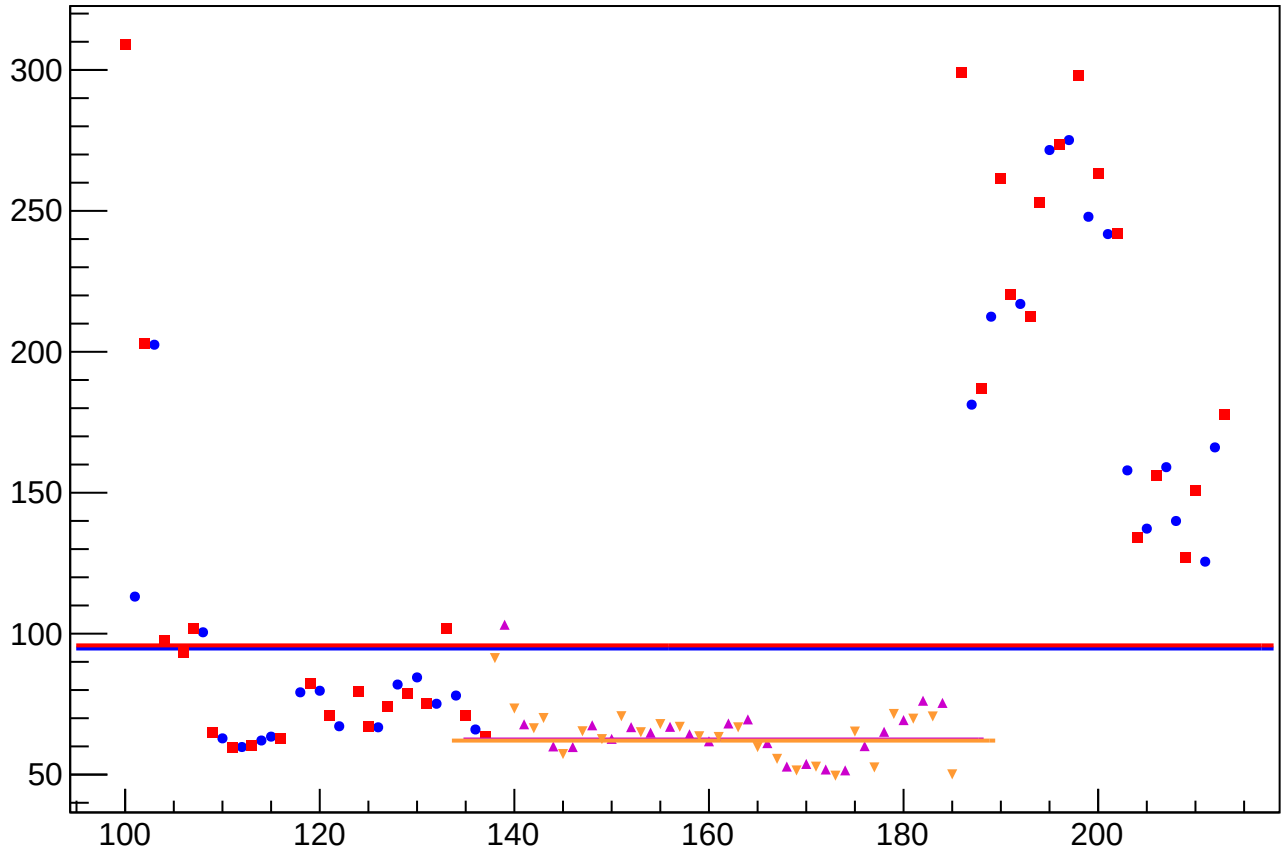
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -15.248+/-18.027 χ^2/NDF: 75.0/62

In: 47.922+/-12.827 χ^2/NDF:71.8/51

Out: 62.288+/-12.470 χ^2/NDF:113.4/58

All: 55.308+/-8.941 χ^2/NDF: 185.9/110



Right In: 94.734+/-0.018 χ^2/NDF: 6817531.2/28

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

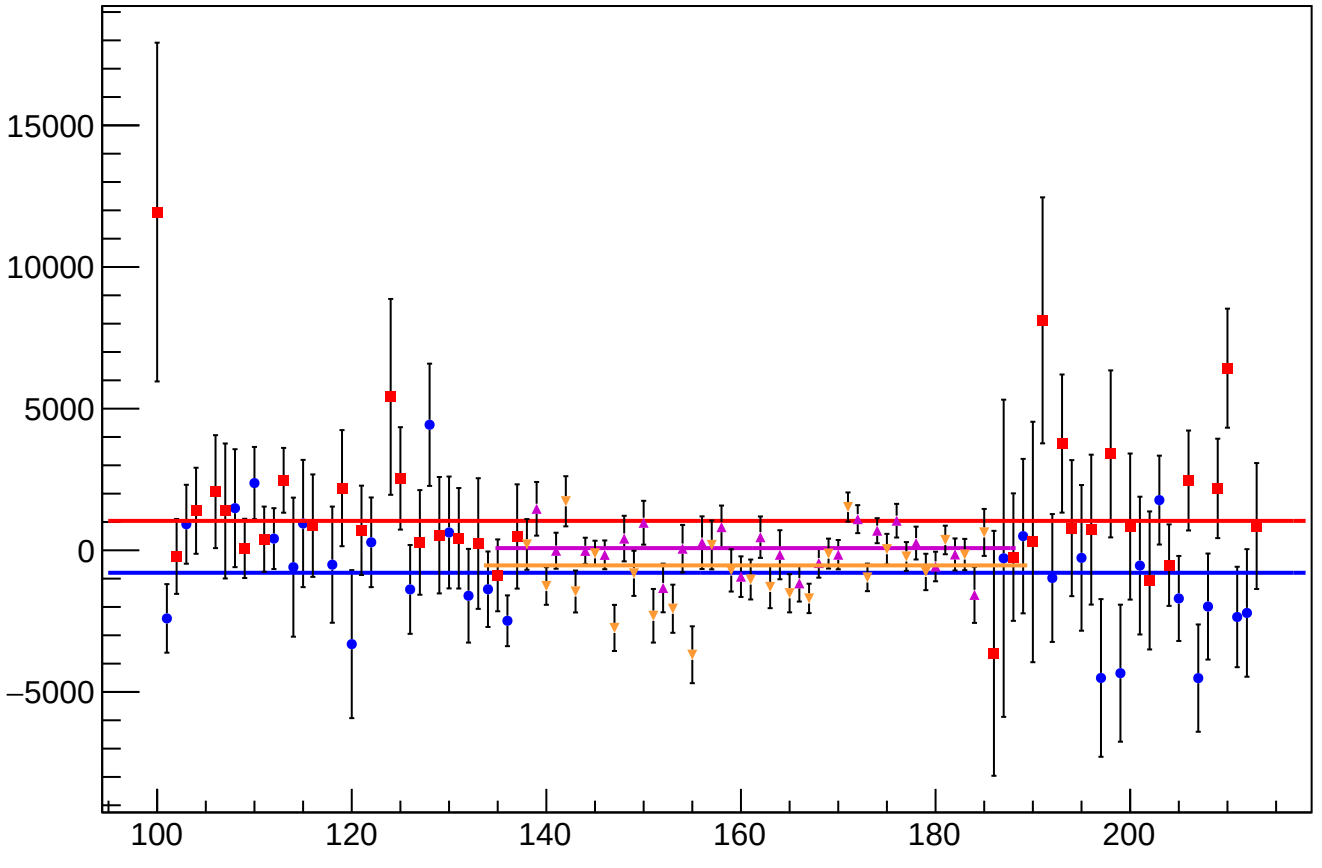
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 95.293+/-0.013 χ^2/NDF: 15273247.3/62

In: 70.515+/-0.009 χ^2/NDF:9857799.2/51

Out: 70.246+/-0.009 χ^2/NDF:11834009.6/58

All: 70.377+/-0.006 χ^2/NDF: 21692262.4/110



Right In: -793.152+/-315.859 χ^2/NDF: 37.1/28

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

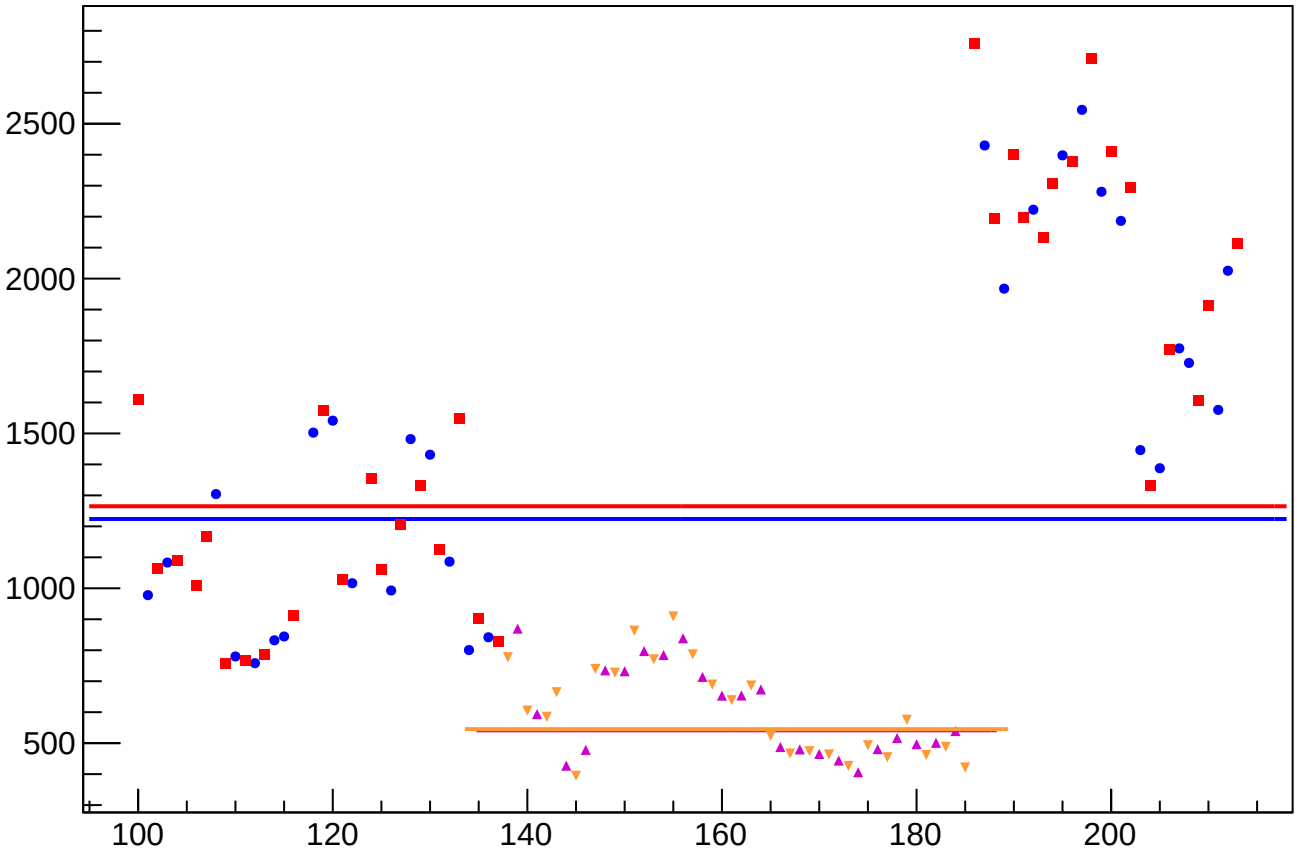
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 122.607+/-223.361 χ^2/NDF: 82.5/62

In: -49.239+/-120.467 χ^2/NDF:72.0/51

Out: -311.390+/-118.573 χ^2/NDF:118.9/58

All: -182.391+/-84.505 χ^2/NDF: 193.3/110



Right In: 1223.740+/-0.223 χ^2/NDF: 4512404.0/28

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

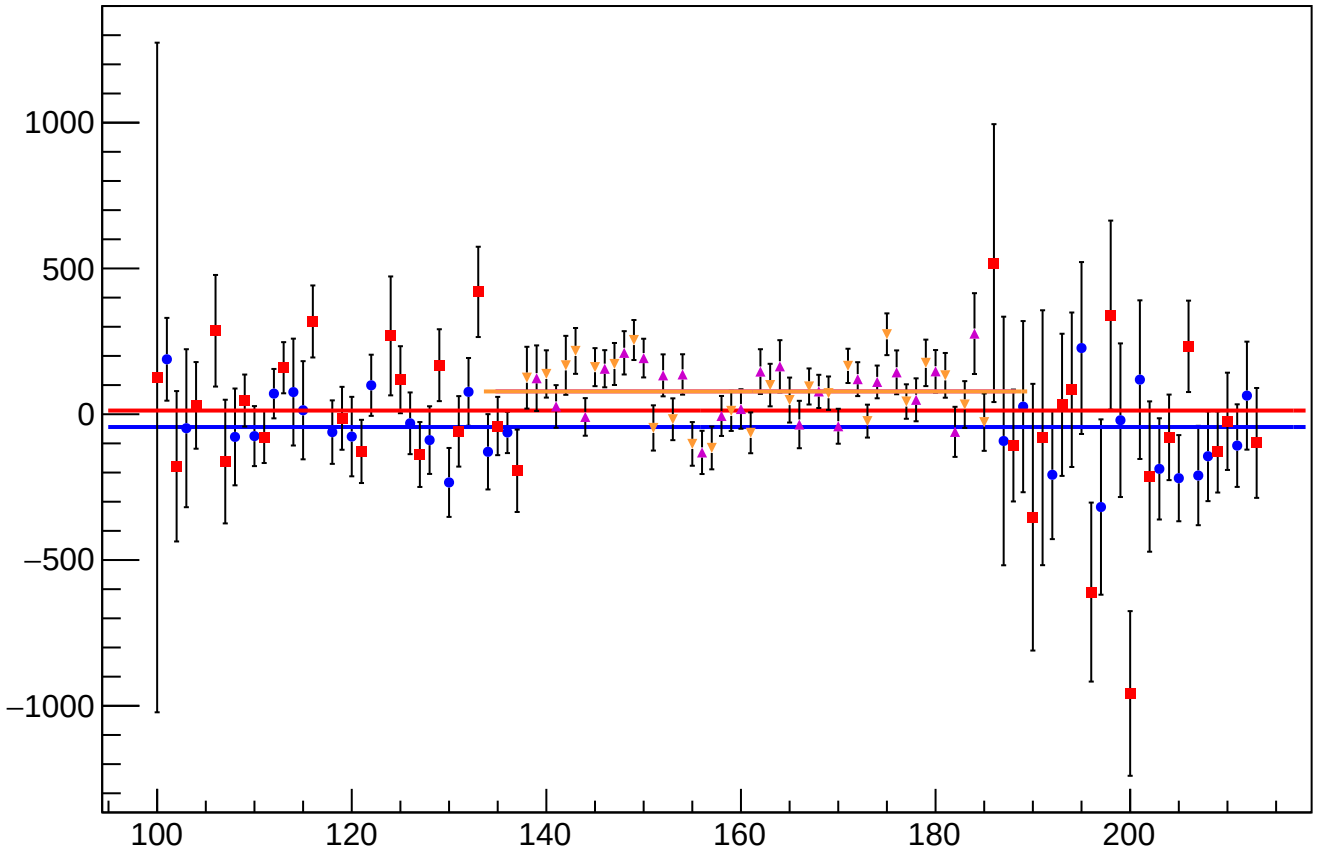
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1244.339+/-0.158 χ^2/NDF: 10110550.7/62

In: 640.704+/-0.085 χ^2/NDF:14327212.3/51

Out: 646.691+/-0.084 χ^2/NDF:16581556.9/58

All: 643.745+/-0.060 χ^2/NDF: 30911278.8/11



Right In: -43.858+/-25.658 χ^2/NDF: 18.1/28

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

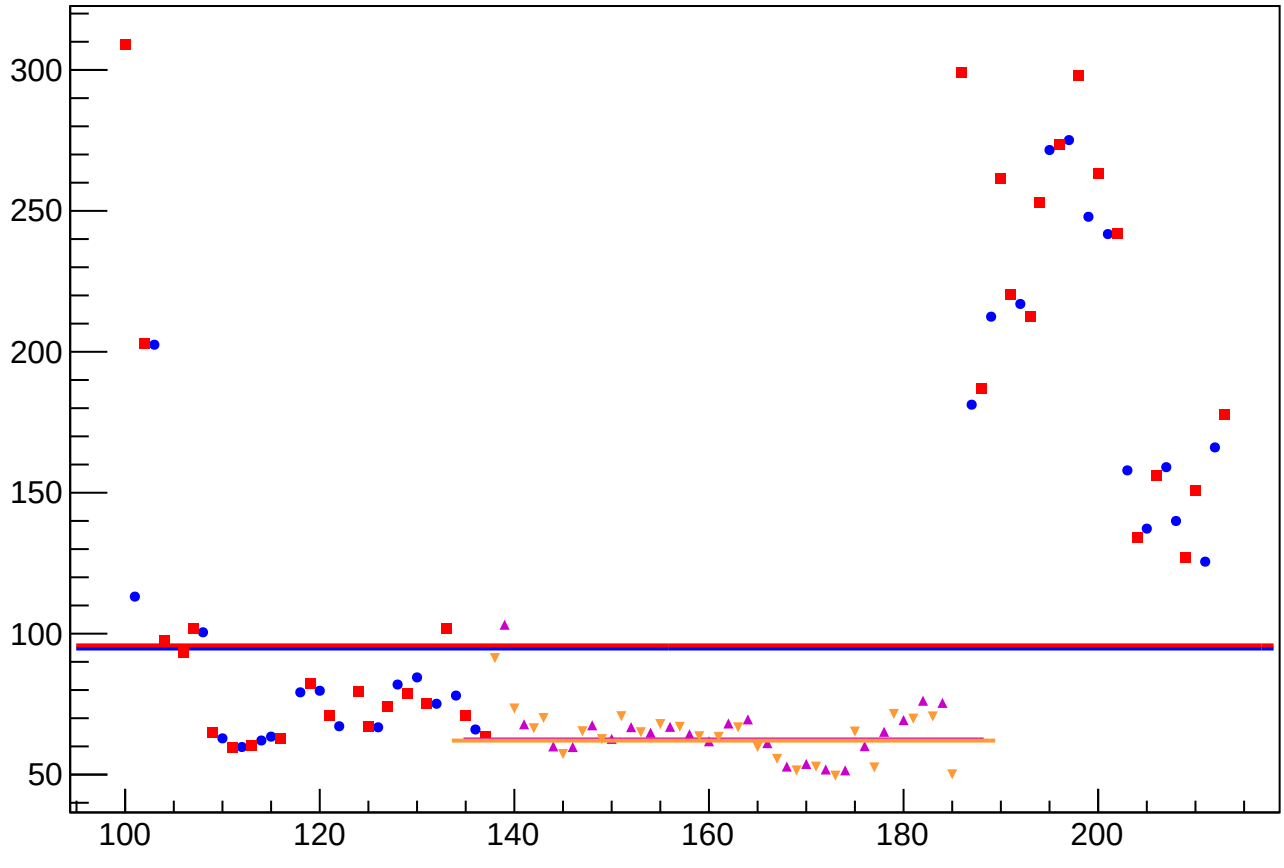
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -15.248+/-18.027 χ^2/NDF: 75.0/62

In: 47.922+/-12.827 χ^2/NDF:71.8/51

Out: 62.288+/-12.470 χ^2/NDF:113.4/58

All: 55.308+/-8.941 χ^2/NDF: 185.9/110



Right In: 94.734+/-0.018 χ^2/NDF: 6817531.2/28

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

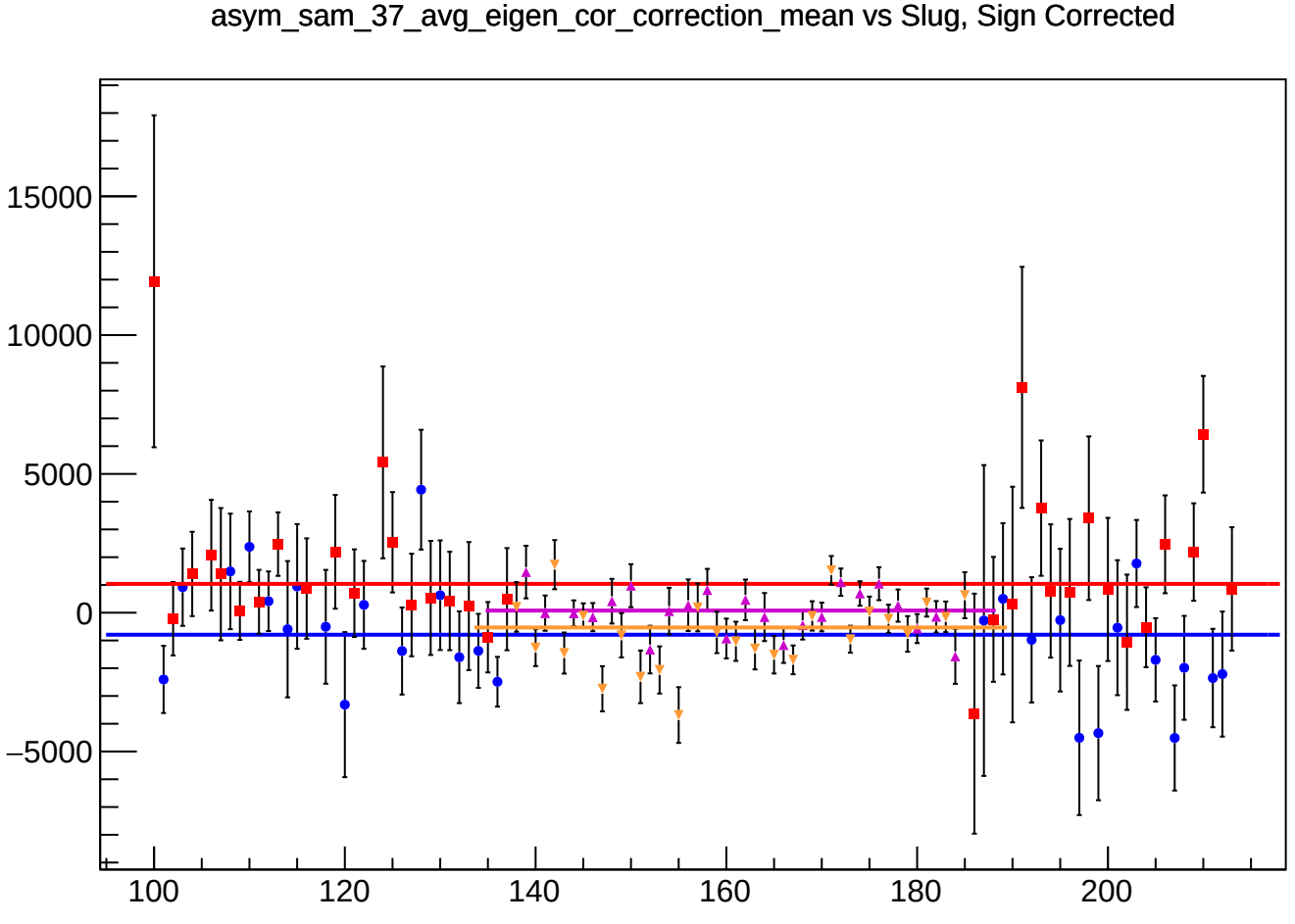
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 95.293+/-0.013 χ^2/NDF: 15273247.3/62

In: 70.515+/-0.009 χ^2/NDF:9857799.2/51

Out: 70.246+/-0.009 χ^2/NDF:11834009.6/58

All: 70.377+/-0.006 χ^2/NDF: 21692262.4/110



Right In: -793.152+/-315.859 χ^2/NDF: 37.1/28

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

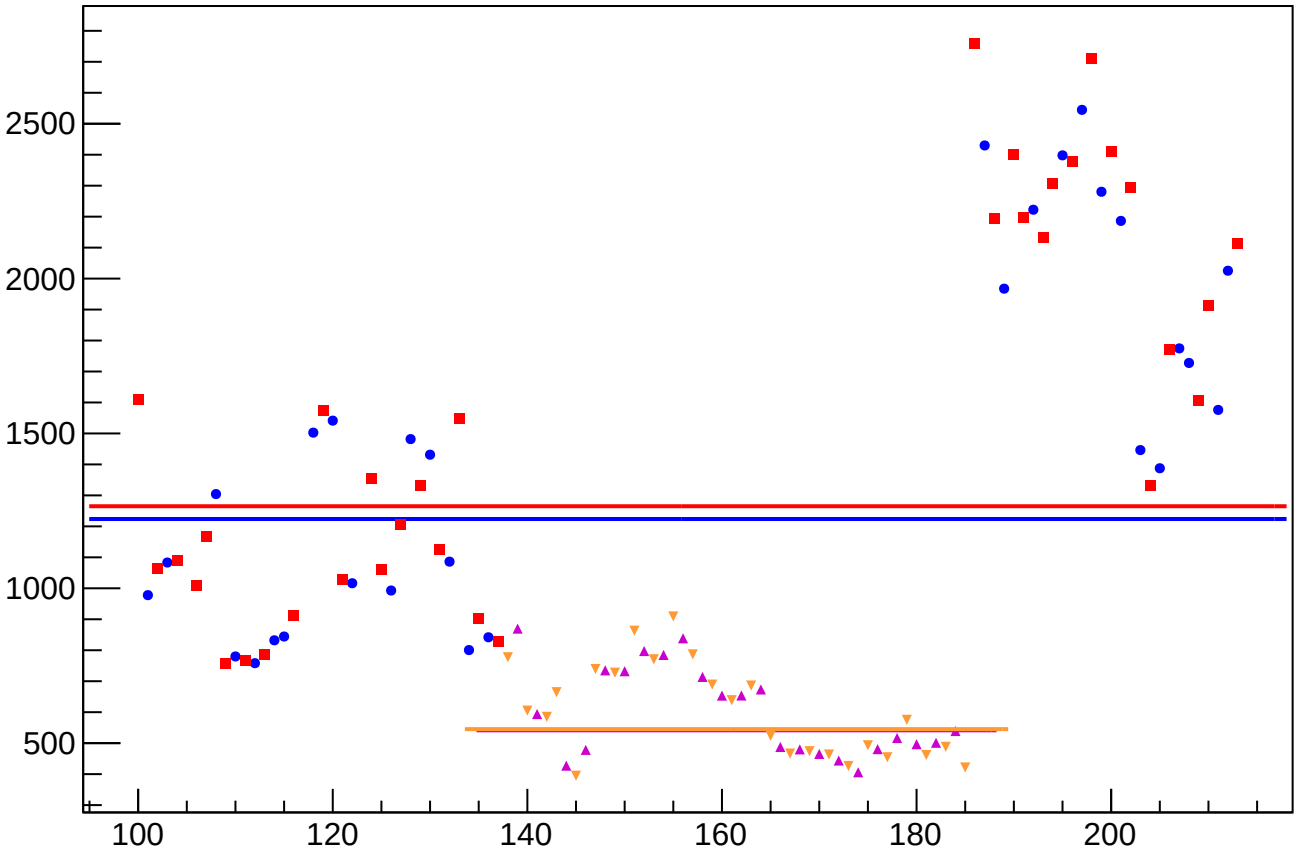
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 122.607+/-223.361 χ^2/NDF: 82.5/62

In: -49.239+/-120.467 χ^2/NDF:72.0/51

Out: -311.390+/-118.573 χ^2/NDF:118.9/58

All: -182.391+/-84.505 χ^2/NDF: 193.3/110



Right In: 1223.740+/-0.223 χ^2/NDF: 4512404.0/28

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

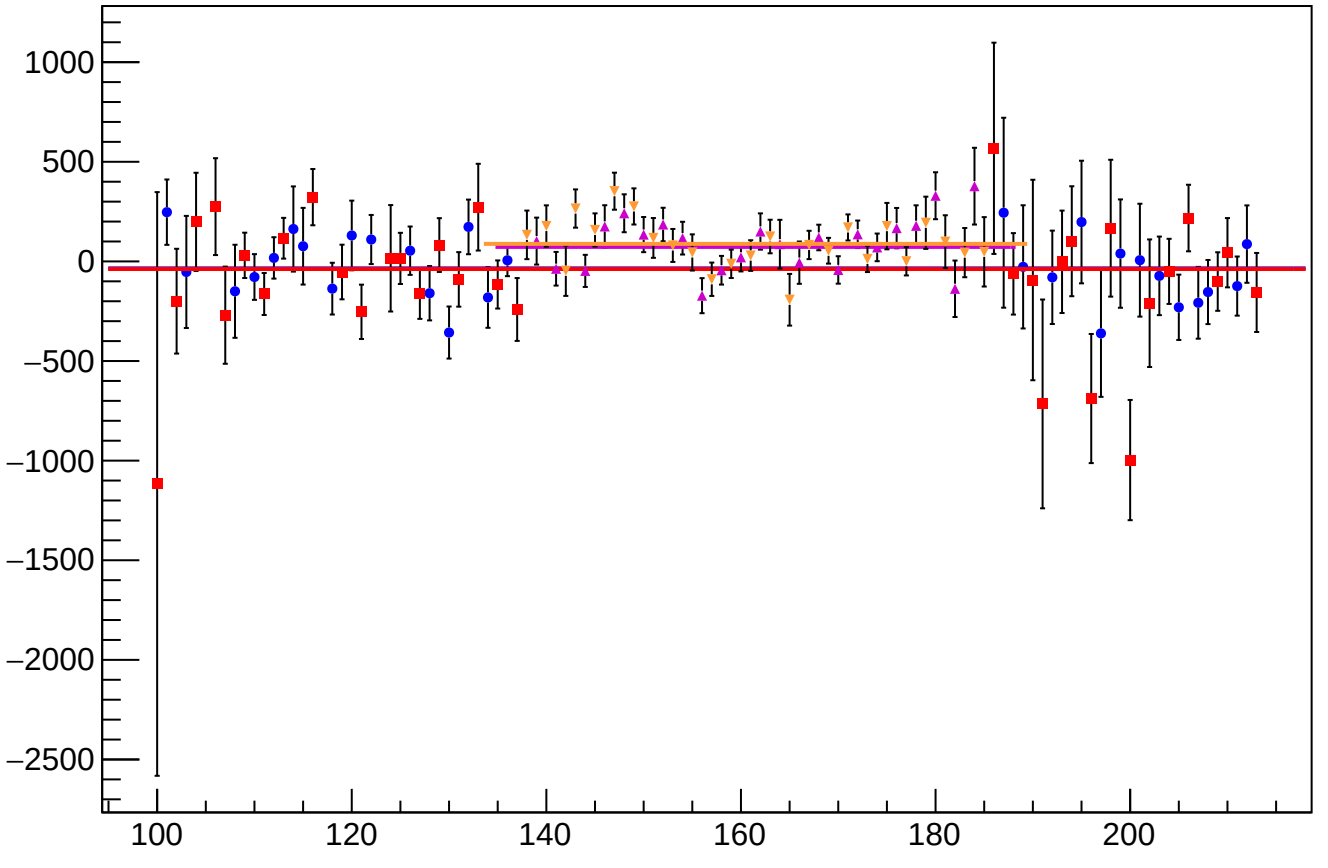
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1244.339+/-0.158 χ^2/NDF: 10110550.7/62

In: 640.704+/-0.085 χ^2/NDF:14327212.3/51

Out: 646.691+/-0.084 χ^2/NDF:16581556.9/58

All: 643.745+/-0.060 χ^2/NDF: 30911278.8/1



Right In: -35.085+/-29.348 χ^2/NDF: 24.4/28

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

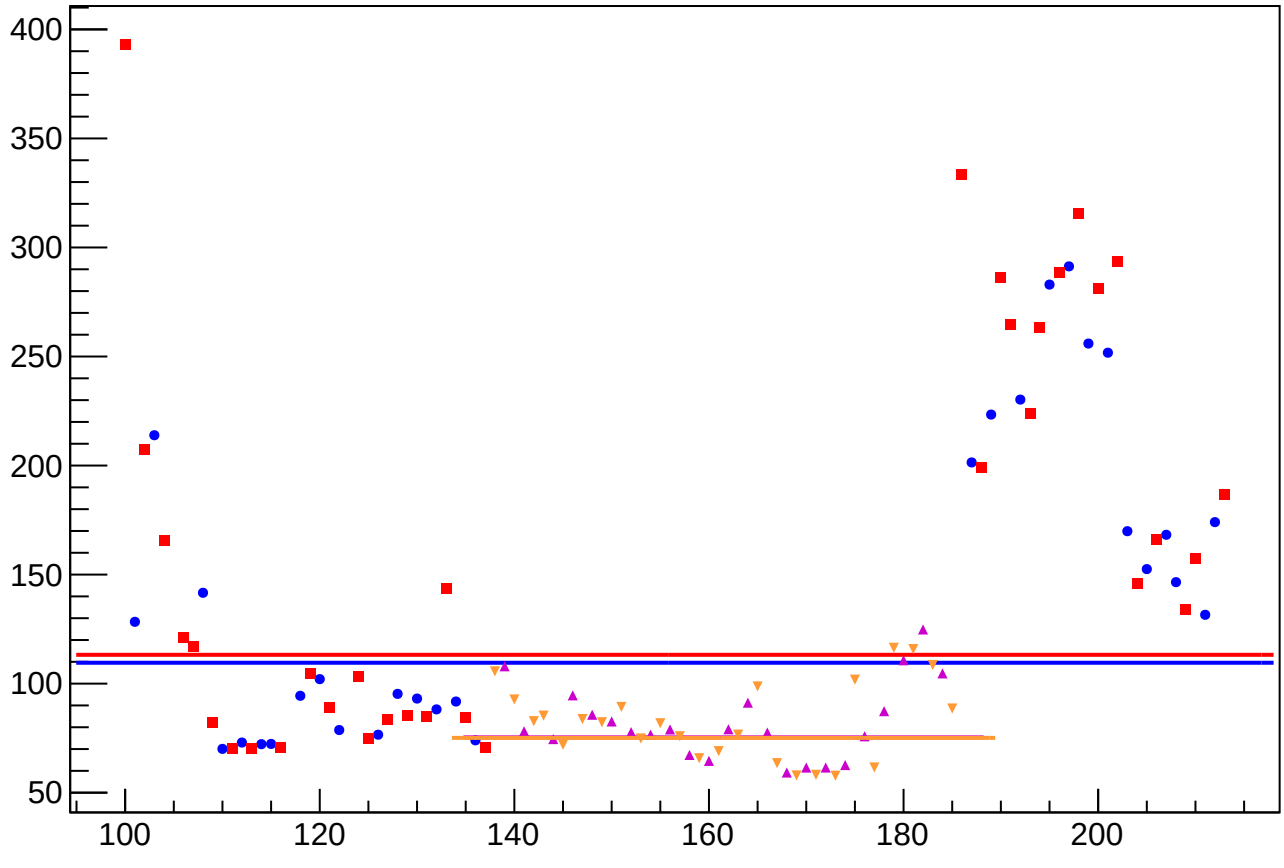
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -36.594+/-20.840 χ^2/NDF: 69.3/62

In: 42.689+/-15.514 χ^2/NDF:72.6/51

Out: 54.681+/-15.219 χ^2/NDF:95.2/58

All: 48.800+/-10.864 χ^2/NDF: 168.0/110



Right In: 109.574+/-0.021 χ^2/NDF: 5942285.9/28

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

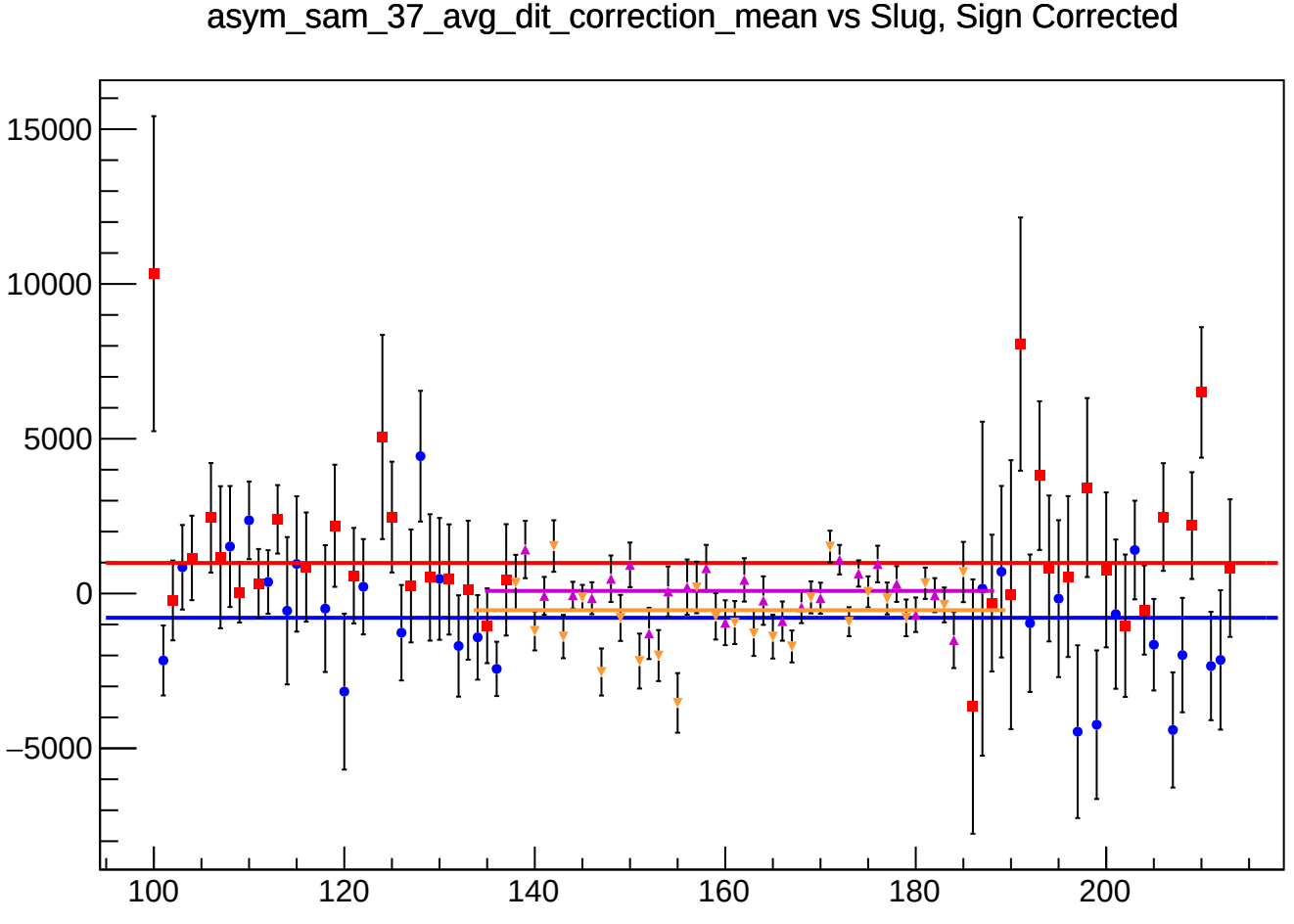
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 111.379+/-0.015 χ^2/NDF: 13536719.4/62

In: 84.923+/-0.011 χ^2/NDF:9125946.3/51

Out: 85.198+/-0.011 χ^2/NDF:11616695.6/58

All: 85.063+/-0.008 χ^2/NDF: 20742962.8/110



Right In: -782.603+/-309.571 χ^2/NDF: 36.3/28

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

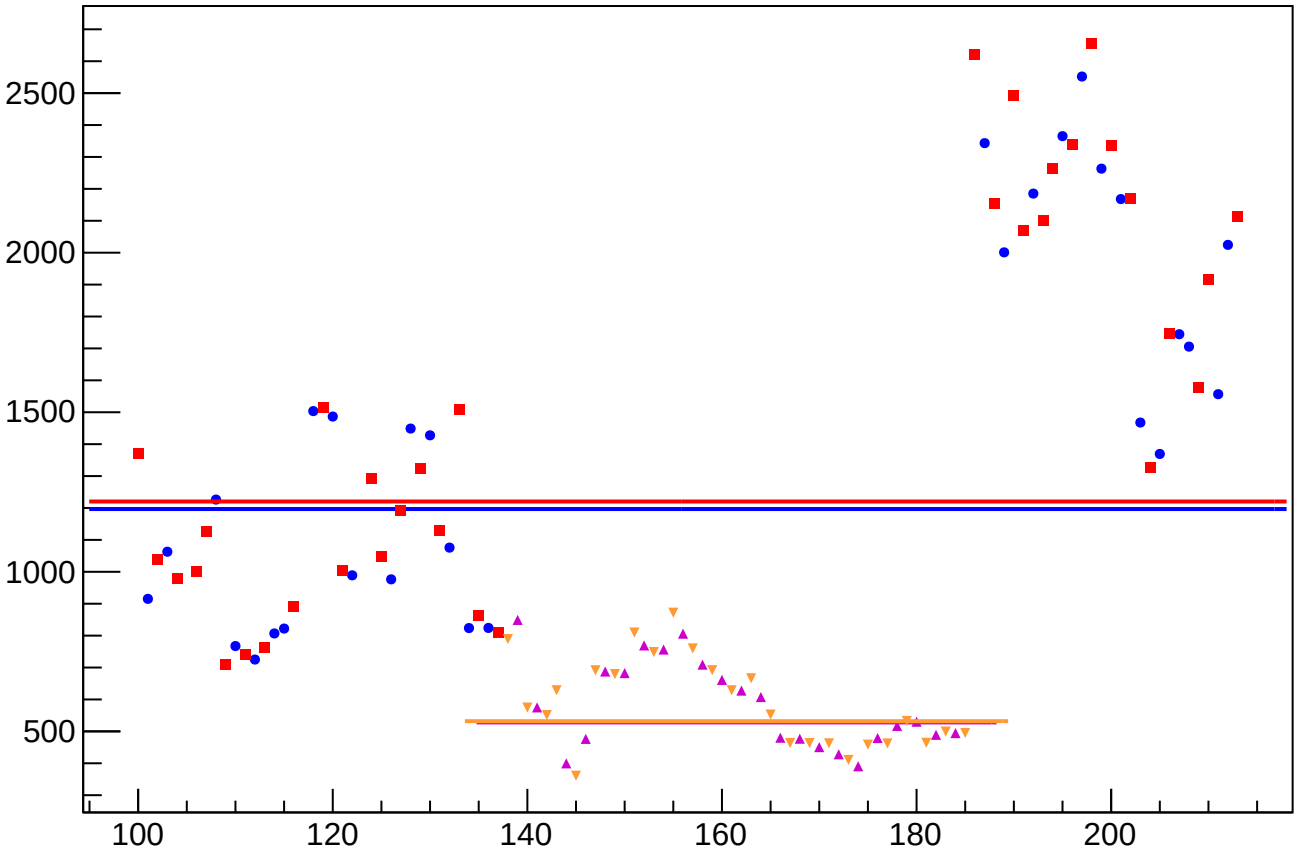
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 115.255+/-217.357 χ^2/NDF: 83.6/62

In: -40.334+/-117.528 χ^2/NDF:70.5/51

Out: -319.371+/-115.258 χ^2/NDF:119.1/58

All: -182.573+/-82.290 χ^2/NDF: 192.5/110



Right In: 1196.704+/-0.219 χ^2/NDF: 4675353.1/28

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1220.323+/-0.216 χ^2/NDF: 5828233.7/33

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

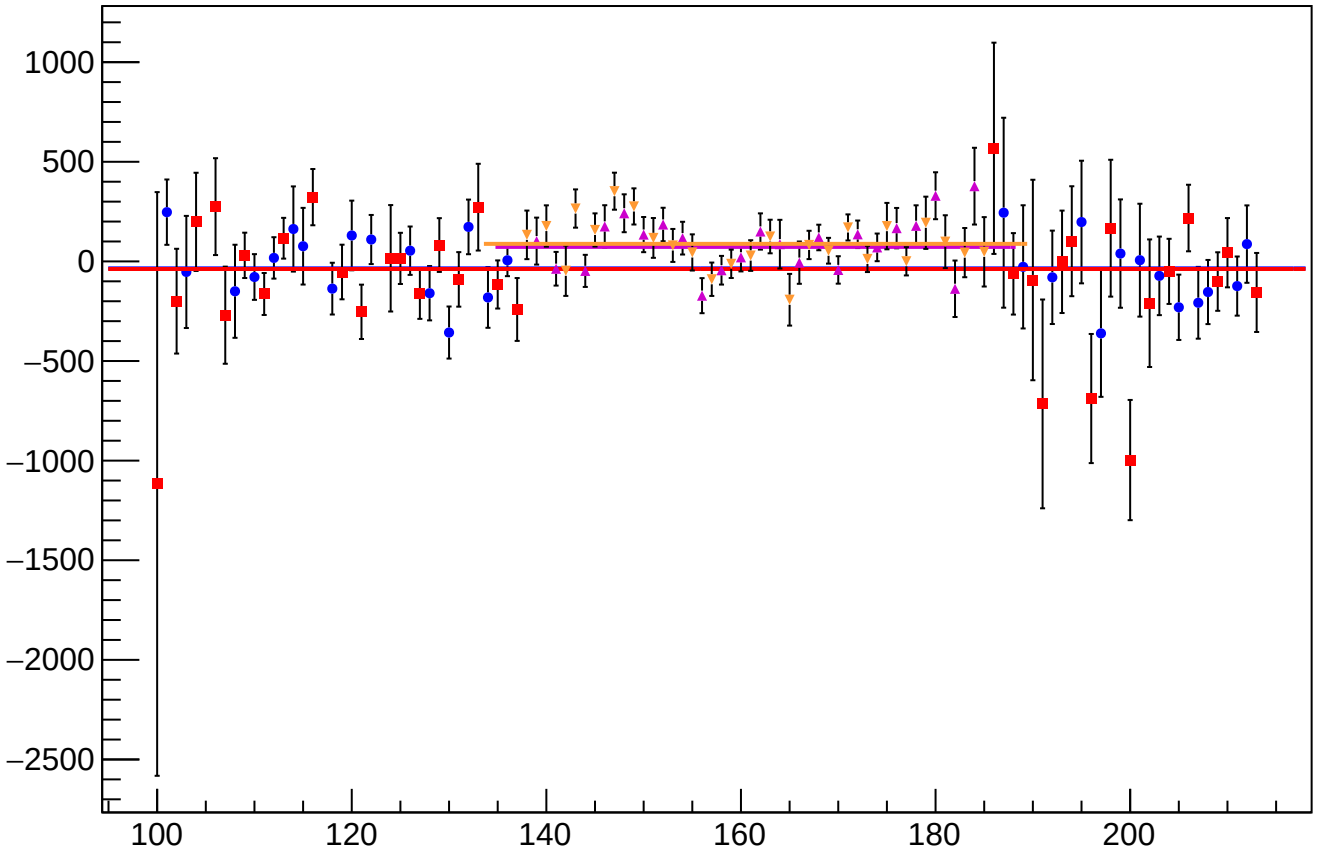
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1208.679+/-0.154 χ^2/NDF: 10509489.9/62

In: 624.370+/-0.083 χ^2/NDF:14463155.1/51

Out: 630.022+/-0.081 χ^2/NDF:16588729.5/58

All: 627.251+/-0.058 χ^2/NDF: 31054242.5/1



Right In: -35.085+/-29.348 χ^2/NDF: 24.4/28

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

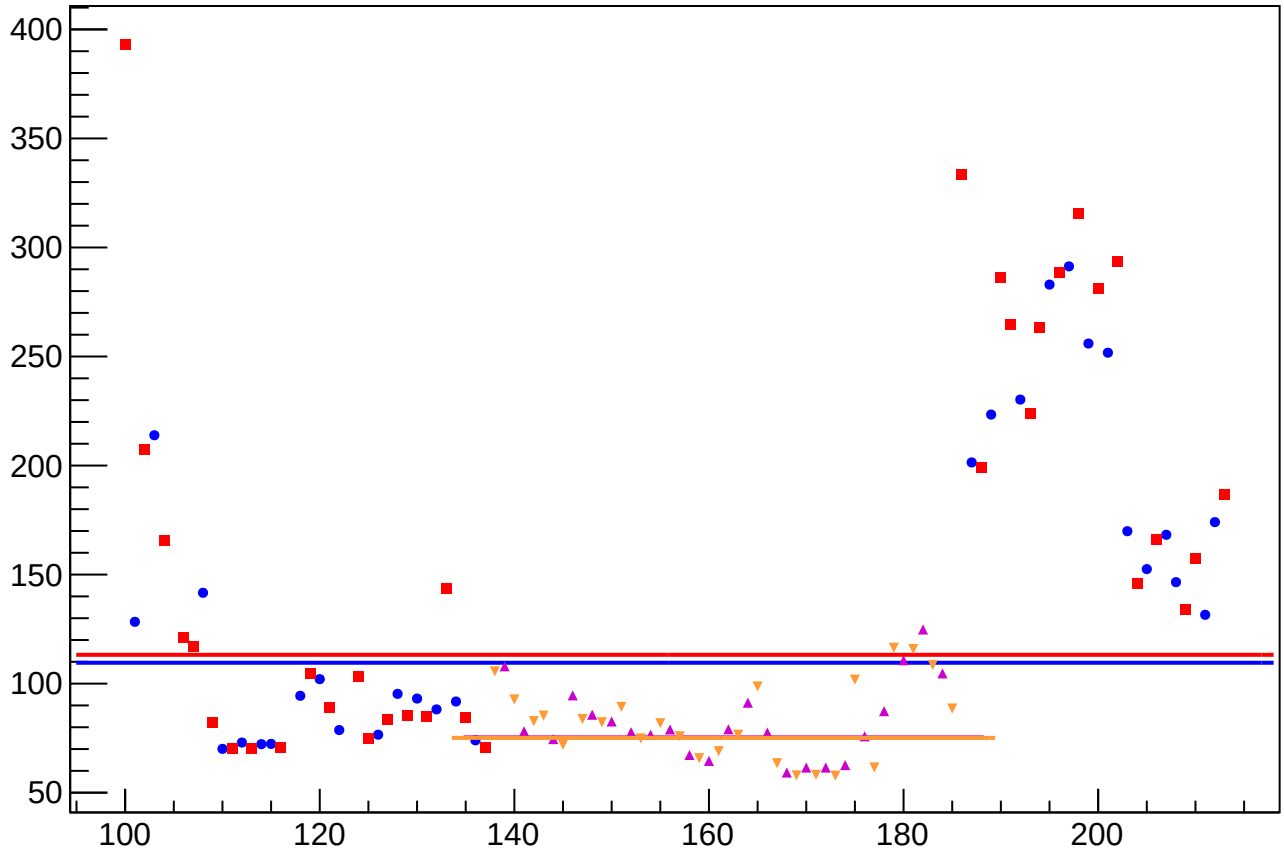
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -36.595+/-20.840 χ^2/NDF: 69.3/62

In: 42.689+/-15.514 χ^2/NDF:72.6/51

Out: 54.681+/-15.219 χ^2/NDF:95.2/58

All: 48.800+/-10.864 χ^2/NDF: 168.0/110



Right In: 109.575+/-0.021 χ^2/NDF: 5942244.1/28

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

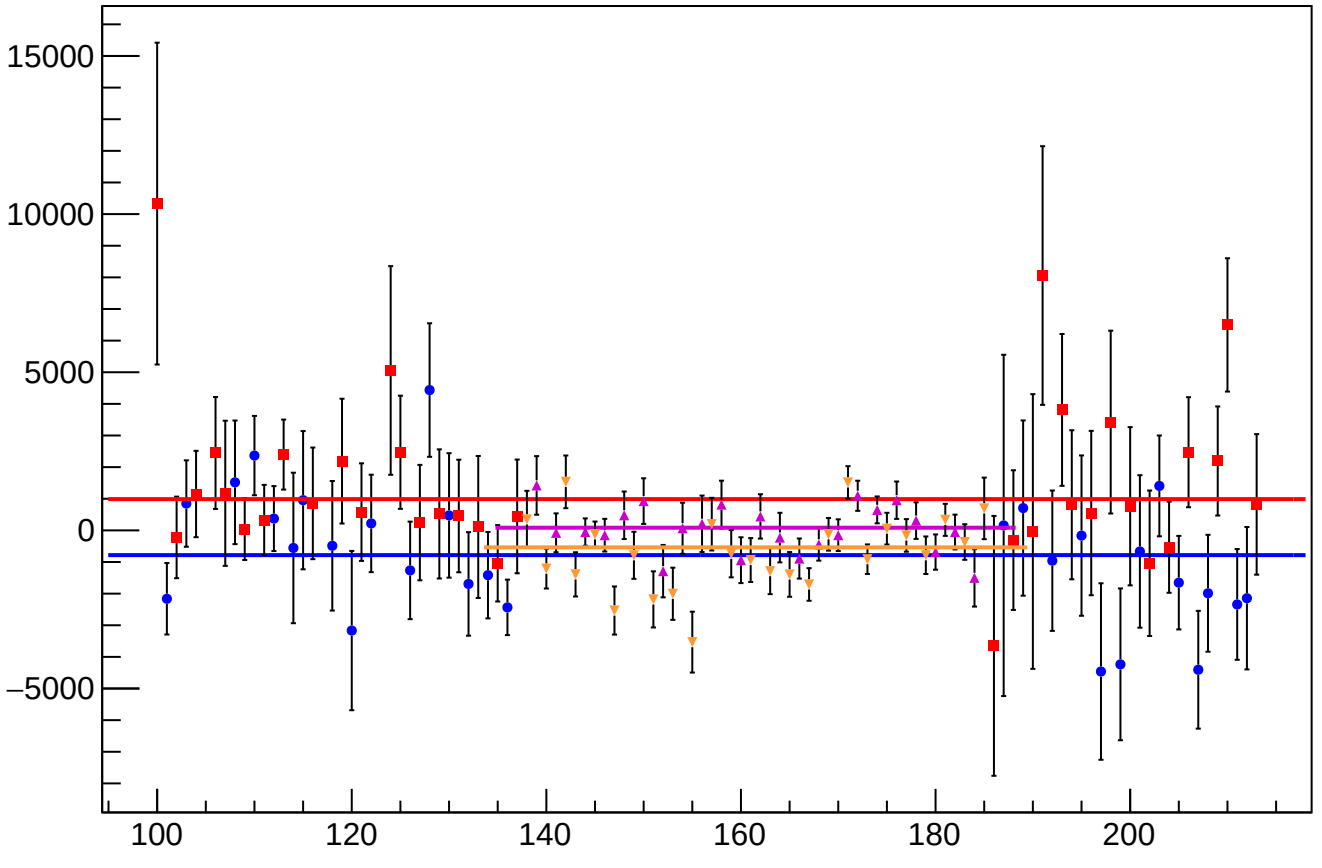
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 111.379+/-0.015 χ^2/NDF: 13536634.8/62

In: 84.923+/-0.011 χ^2/NDF:9125916.0/51

Out: 85.198+/-0.011 χ^2/NDF:11616670.3/58

All: 85.063+/-0.008 χ^2/NDF: 20742907.2/110



Right In: -782.600+/-309.570 χ^2/NDF: 36.3/28

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

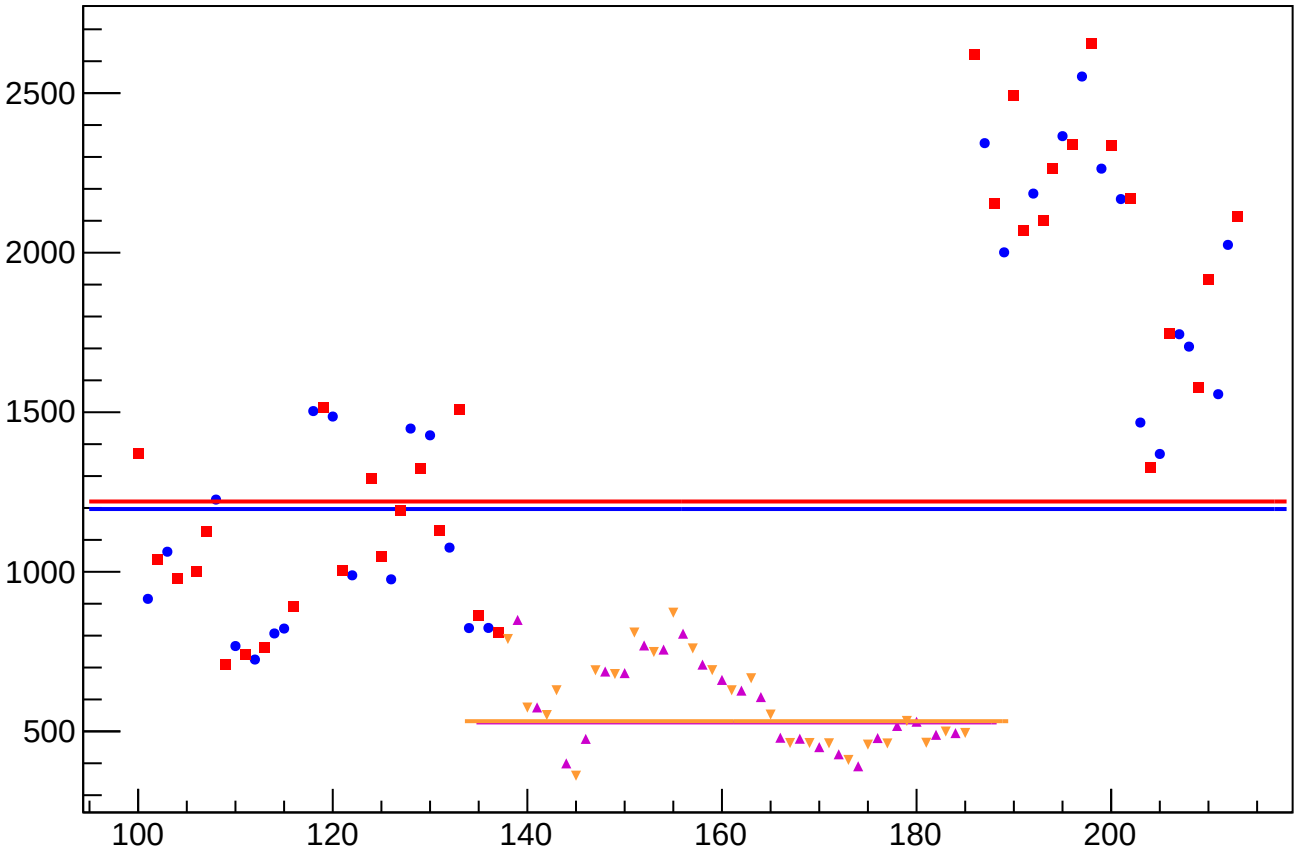
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 115.255+/-217.357 χ^2/NDF: 83.6/62

In: -40.334+/-117.528 χ^2/NDF:70.5/51

Out: -319.371+/-115.258 χ^2/NDF:119.1/58

All: -182.574+/-82.290 χ^2/NDF: 192.5/110



Right In: 1196.702+/-0.219 χ^2/NDF: 4675366.9/28

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

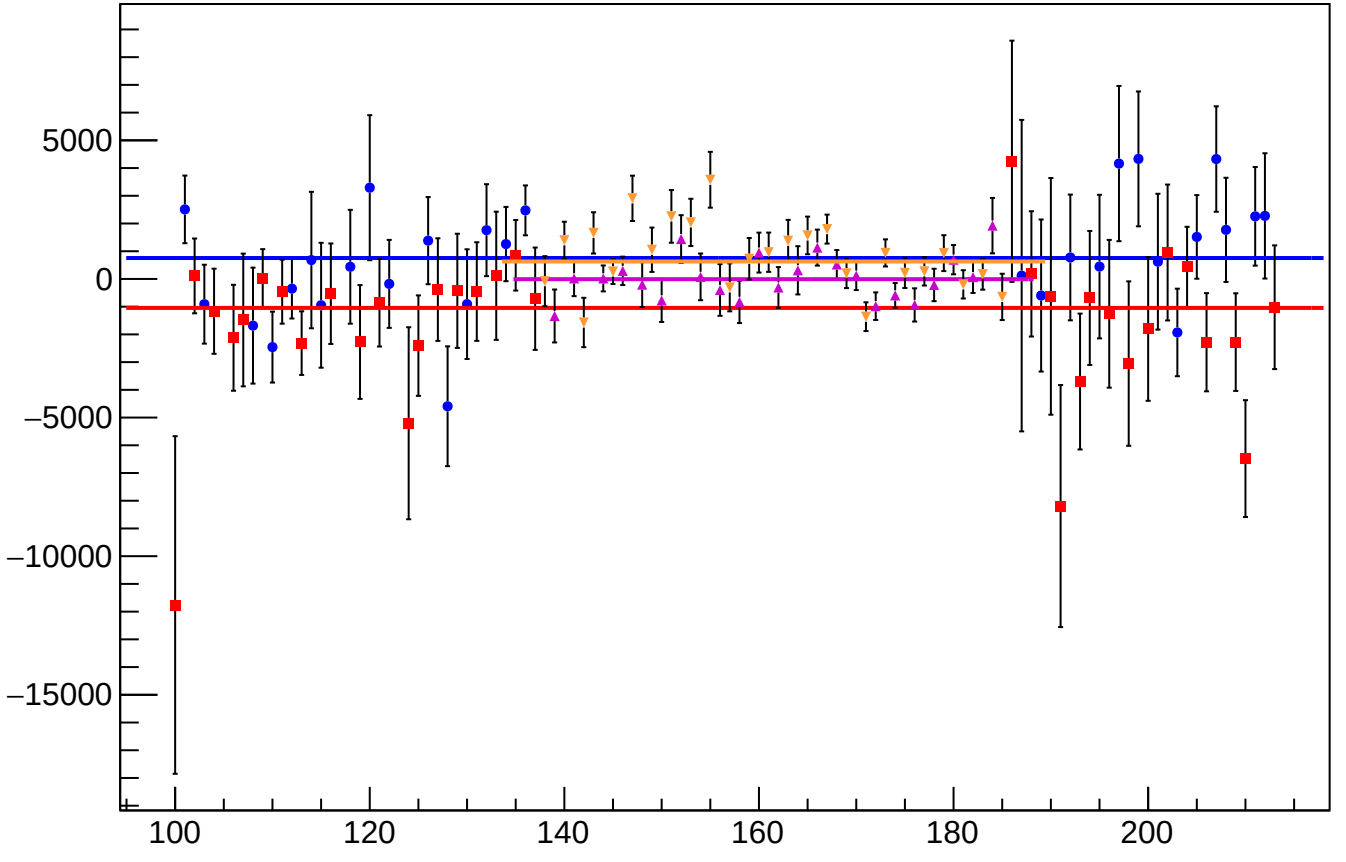
Right: 1208.677+/-0.154 χ^2/NDF: 10509516.0/62

In: 624.370+/-0.083 χ^2/NDF:14463142.5/51

Out: 630.022+/-0.081 χ^2/NDF:16588715.9/58

All: 627.251+/-0.058 χ^2/NDF: 31054216.2/11

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 754.681+/-317.428 χ^2/NDF: 37.2/28

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

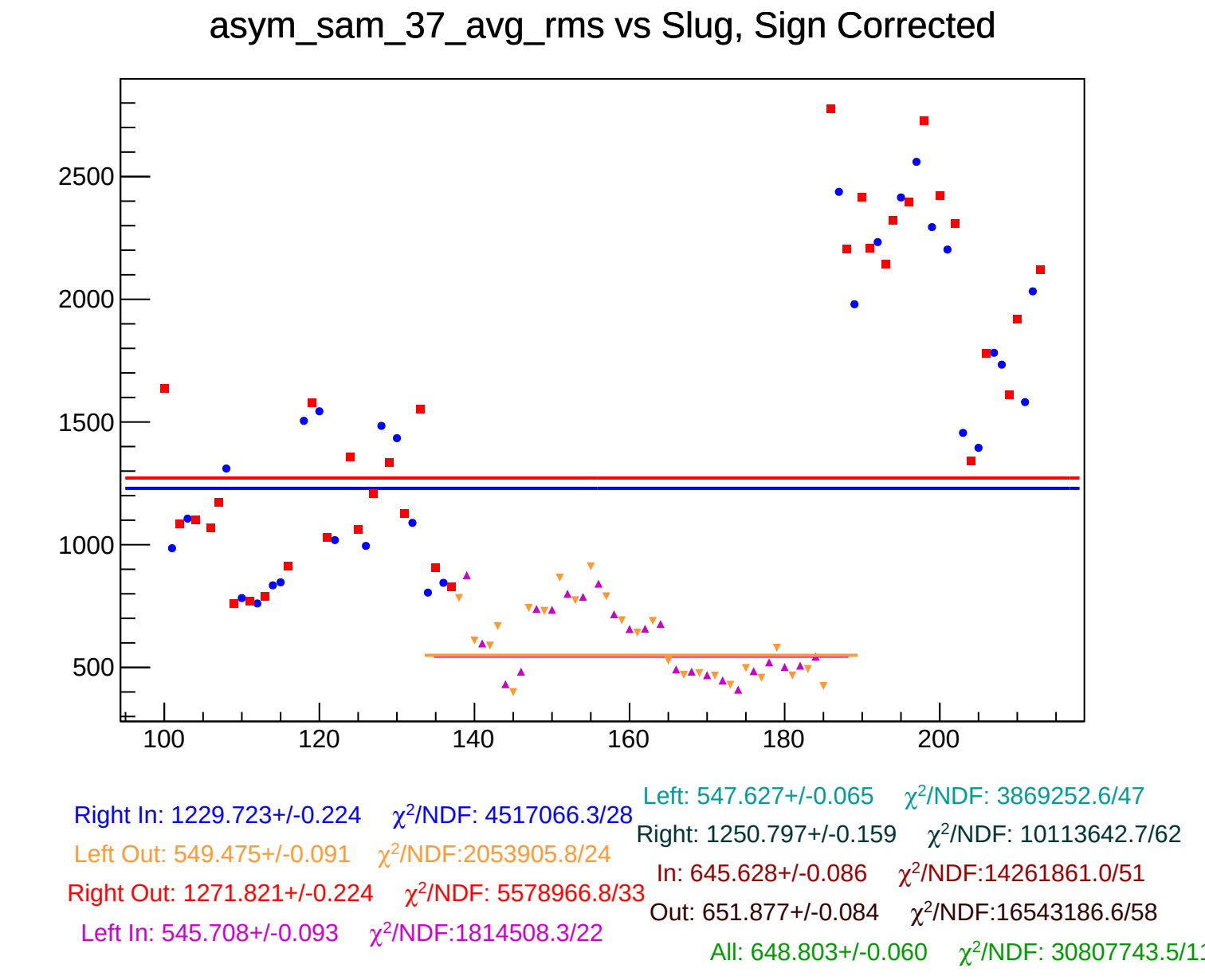
Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

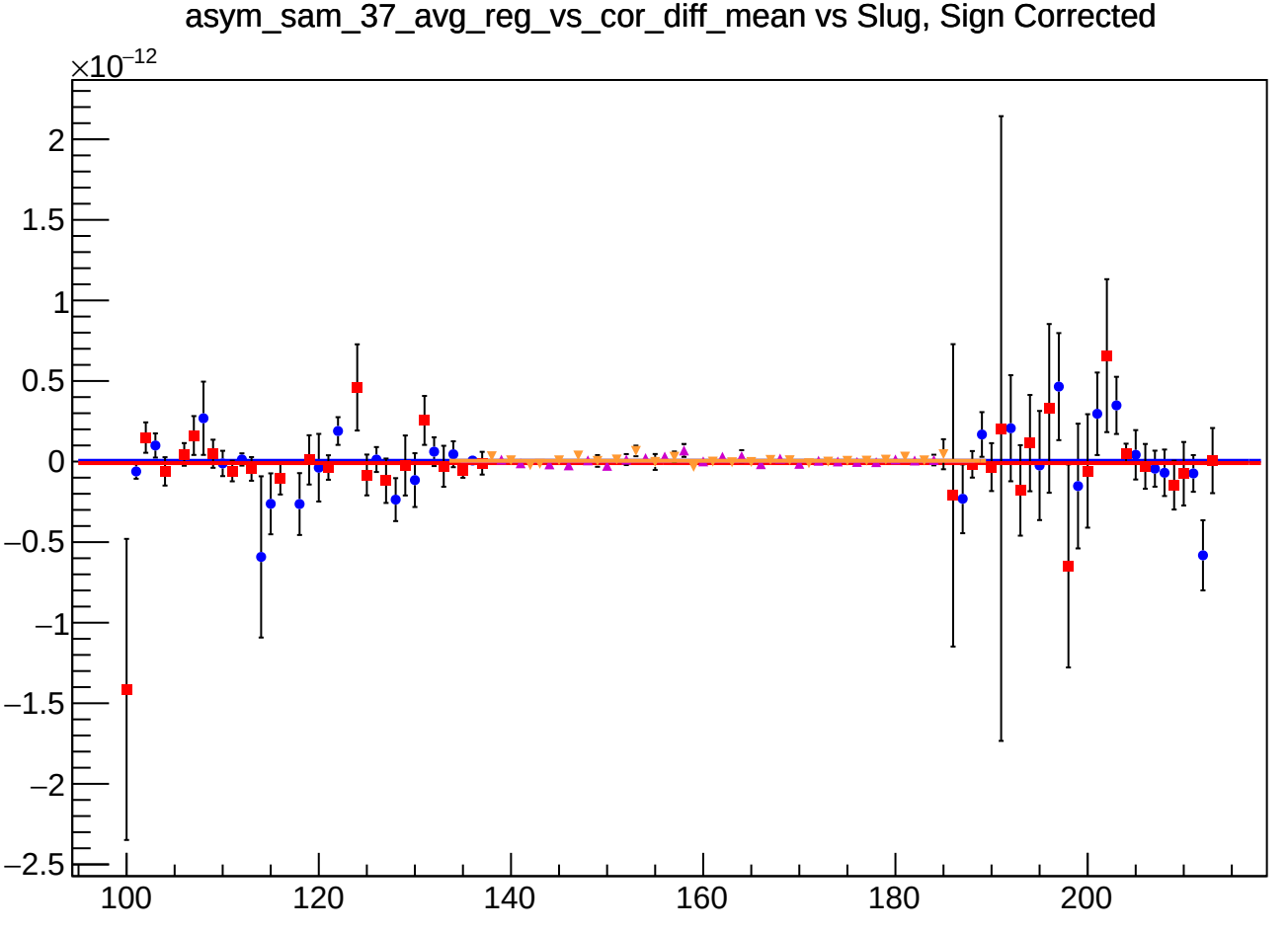
Right: -145.987+/-224.319 χ^2/NDF: 80.9/62

In: 103.018+/-121.322 χ^2/NDF:69.5/51

Out: 392.089+/-119.371 χ^2/NDF:116.4/58

All: 249.896+/-85.089 χ^2/NDF: 188.7/110


asym_sam_37_avg_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1229.723+/-0.224 χ²/NDF: 4517066.3/28
Left Out: 549.475+/-0.091 χ²/NDF:2053905.8/24
Right Out: 1271.821+/-0.224 χ²/NDF: 5578966.8/33
Left In: 545.708+/-0.093 χ²/NDF:1814508.3/22
Left: 547.627+/-0.065 χ²/NDF: 3869252.6/47
Right: 1250.797+/-0.159 χ²/NDF: 10113642.7/62
In: 645.628+/-0.086 χ²/NDF:14261861.0/51
Out: 651.877+/-0.084 χ²/NDF:16543186.6/58
All: 648.803+/-0.060 χ²/NDF: 30807743.5/11



Right In: 0.000+/-0.000 χ^2/NDF: 38.0/28

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

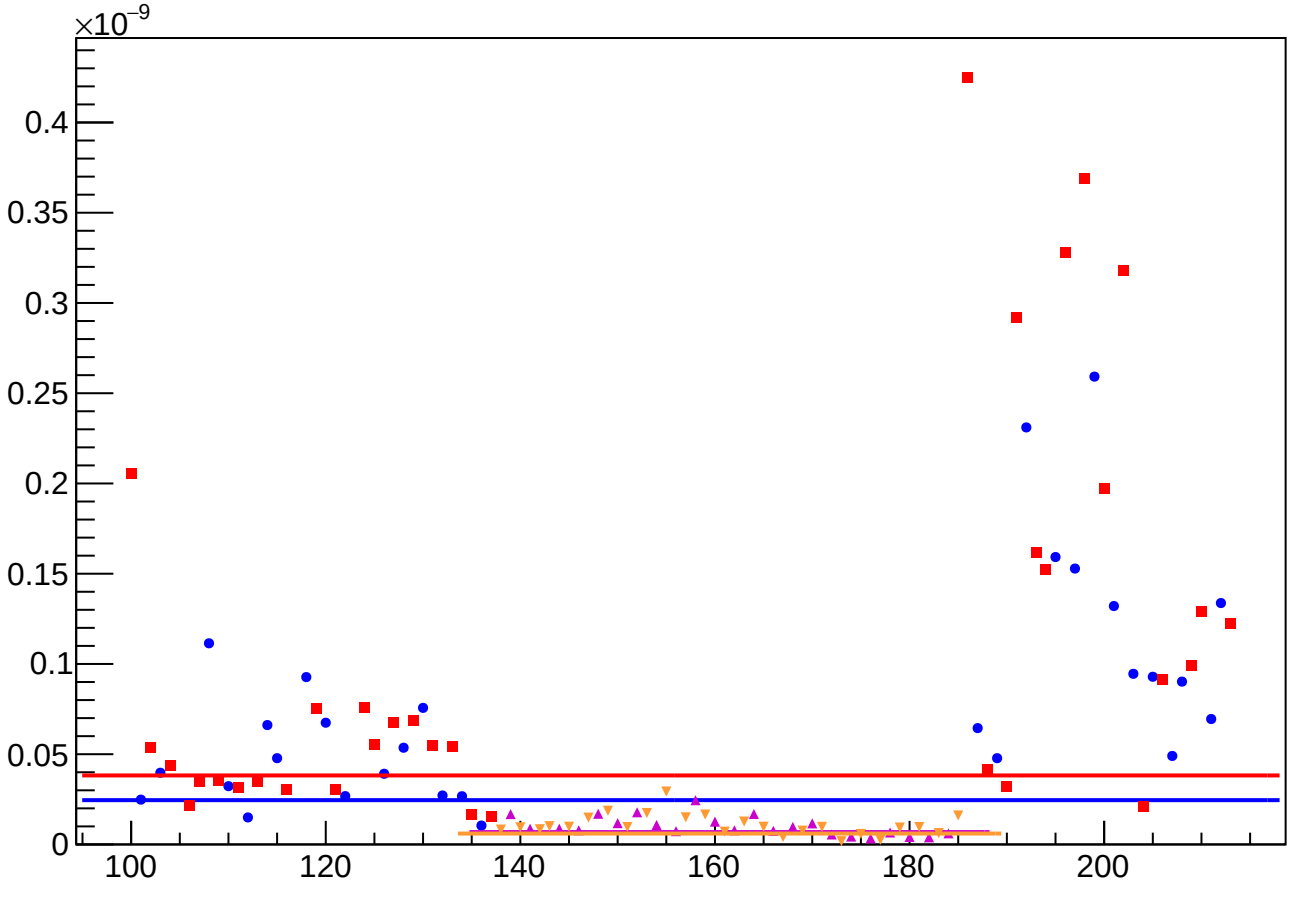
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 63.0/62

In: 0.000+/-0.000 χ^2/NDF:58.0/51

Out: 0.000+/-0.000 χ^2/NDF:40.8/58

All: 0.000+/-0.000 χ^2/NDF: 99.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 6899959.8/28

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

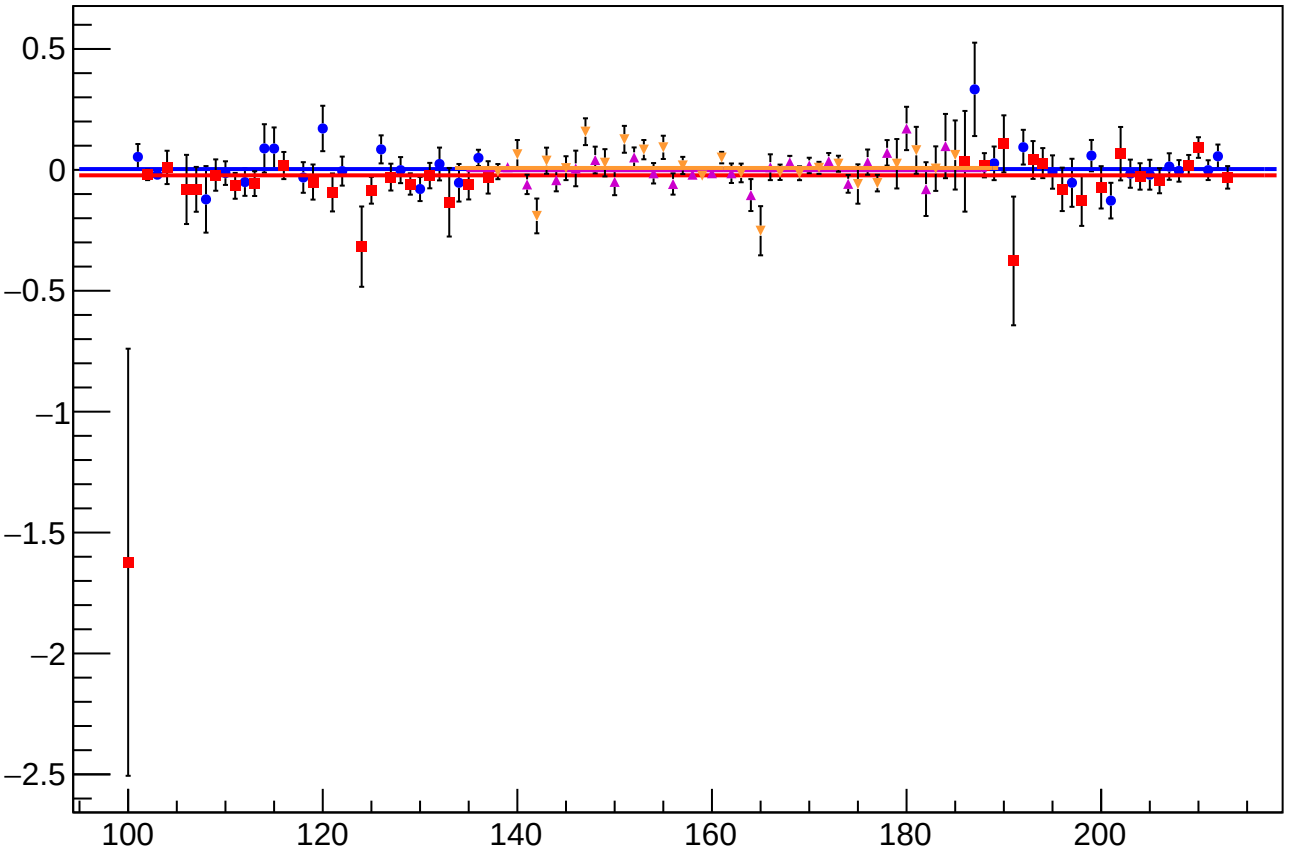
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13814218.4/62

In: 0.000+/-0.000 χ^2/NDF:12400772.7/51

Out: 0.000+/-0.000 χ^2/NDF:15853876.1/58

All: 0.000+/-0.000 χ^2/NDF: 28342025.3/110



Right In: 0.003+/-0.010 χ^2/NDF: 26.9/28

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

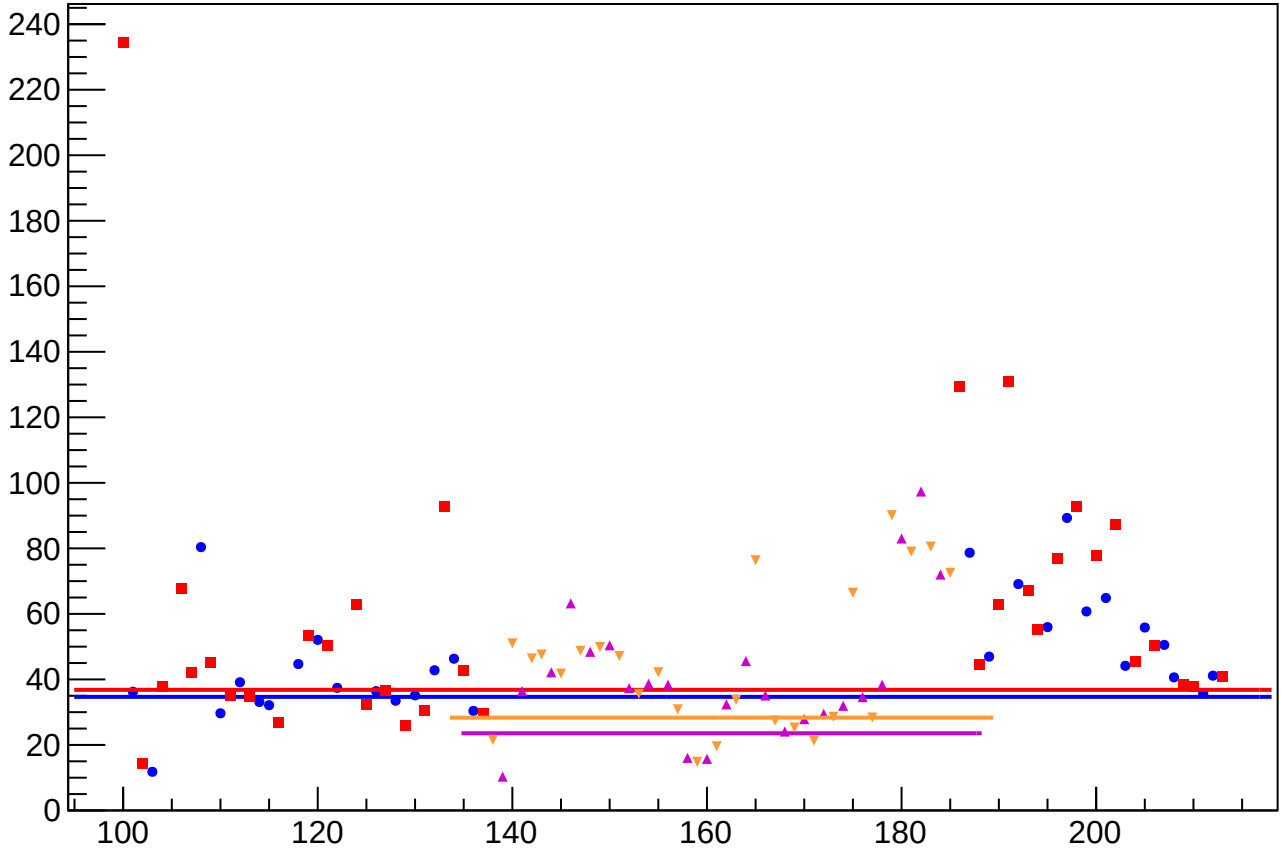
Right: -0.009+/-0.007 χ^2/NDF: 59.0/62

In: 0.000+/-0.006 χ^2/NDF:52.2/51

Out: -0.003+/-0.006 χ^2/NDF:82.1/58

All: -0.001+/-0.004 χ^2/NDF: 134.5/110

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.674+/-0.007 χ^2/NDF: 5809062.2/28

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

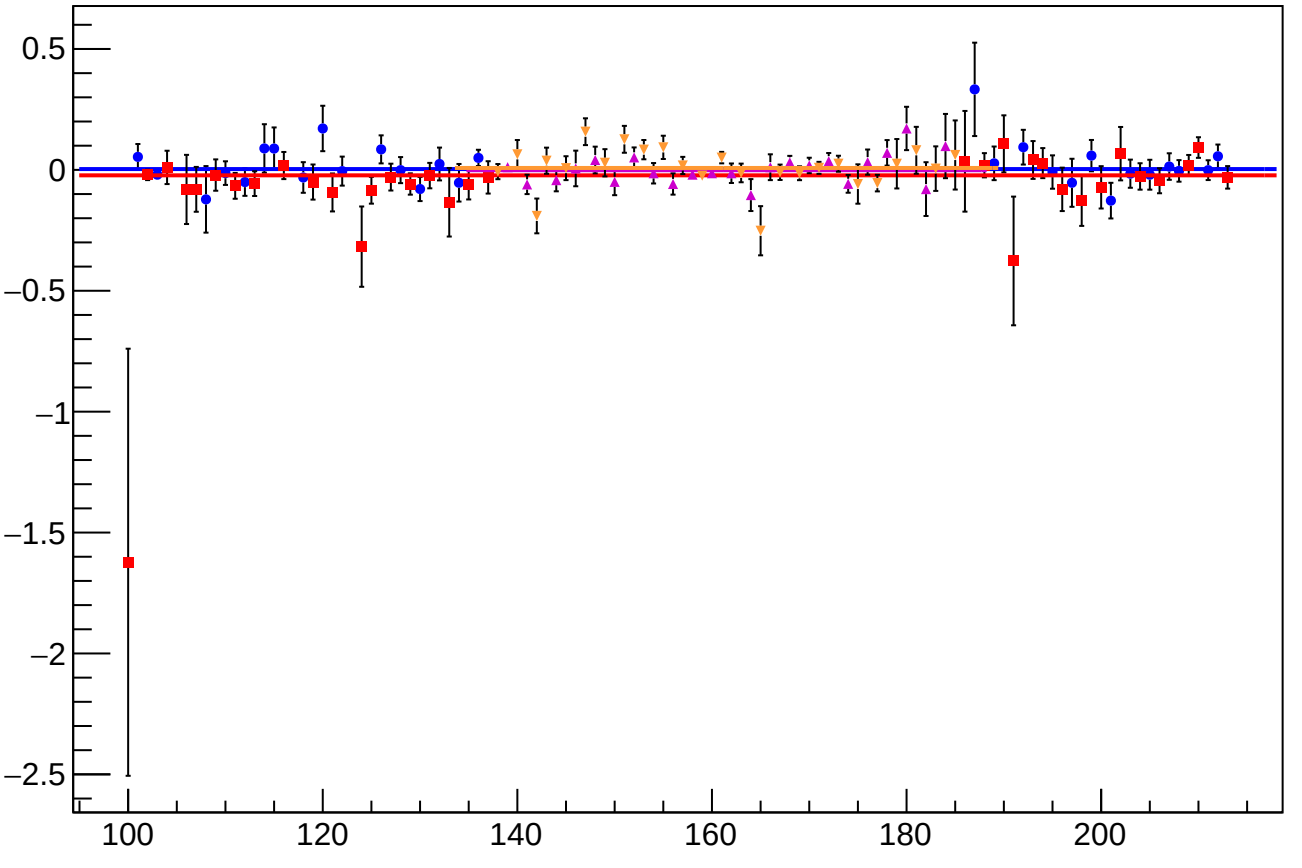
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 35.715+/-0.005 χ^2/NDF: 12389393.8/62

In: 27.202+/-0.004 χ^2/NDF:15812494.9/51

Out: 31.400+/-0.004 χ^2/NDF:14231842.2/58

All: 29.132+/-0.003 χ^2/NDF: 30564264.6/110



Right In: 0.003+/-0.010 χ^2/NDF: 26.9/28

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

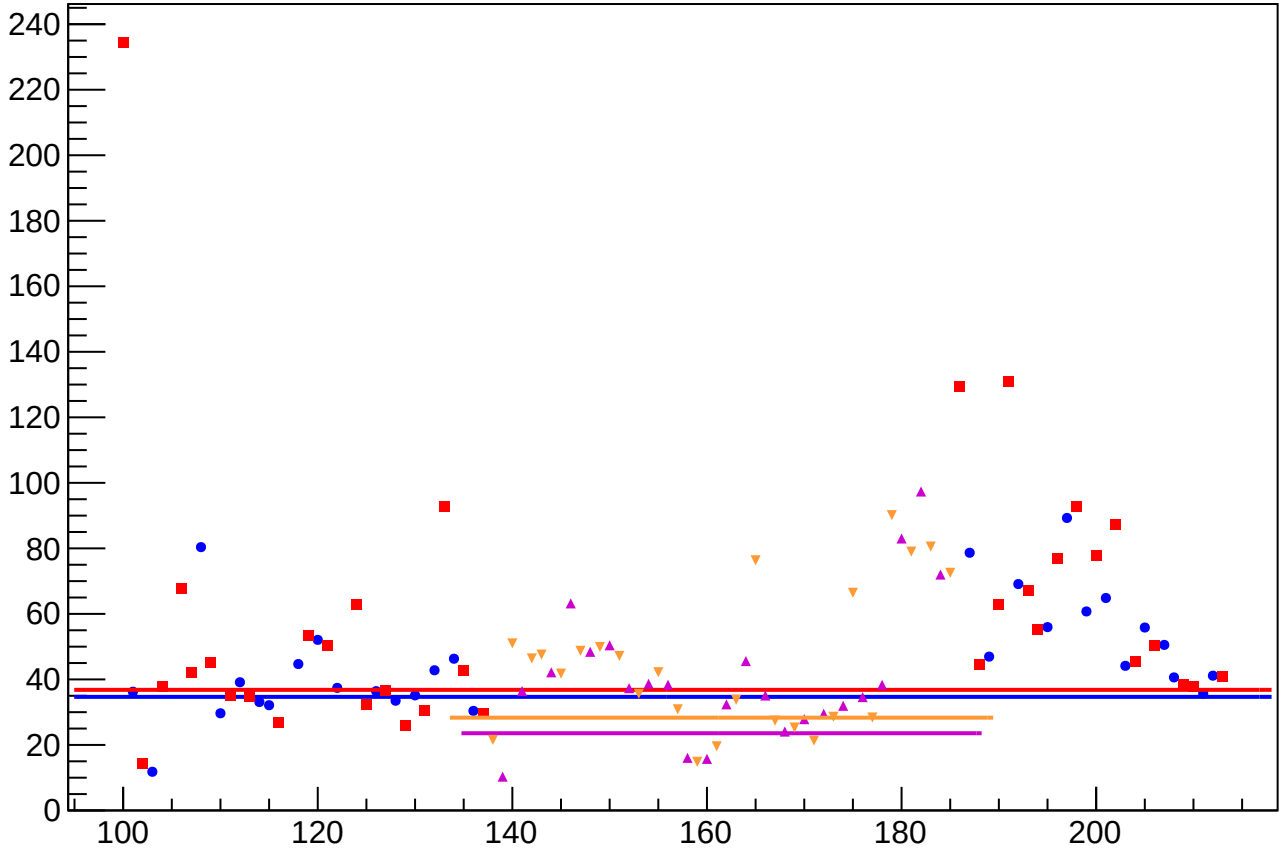
Right: -0.009+/-0.007 χ^2/NDF: 59.0/62

In: 0.000+/-0.006 χ^2/NDF:52.2/51

Out: -0.003+/-0.006 χ^2/NDF:82.1/58

All: -0.001+/-0.004 χ^2/NDF: 134.5/110

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.674+/-0.007 χ^2/NDF: 5809062.2/28

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

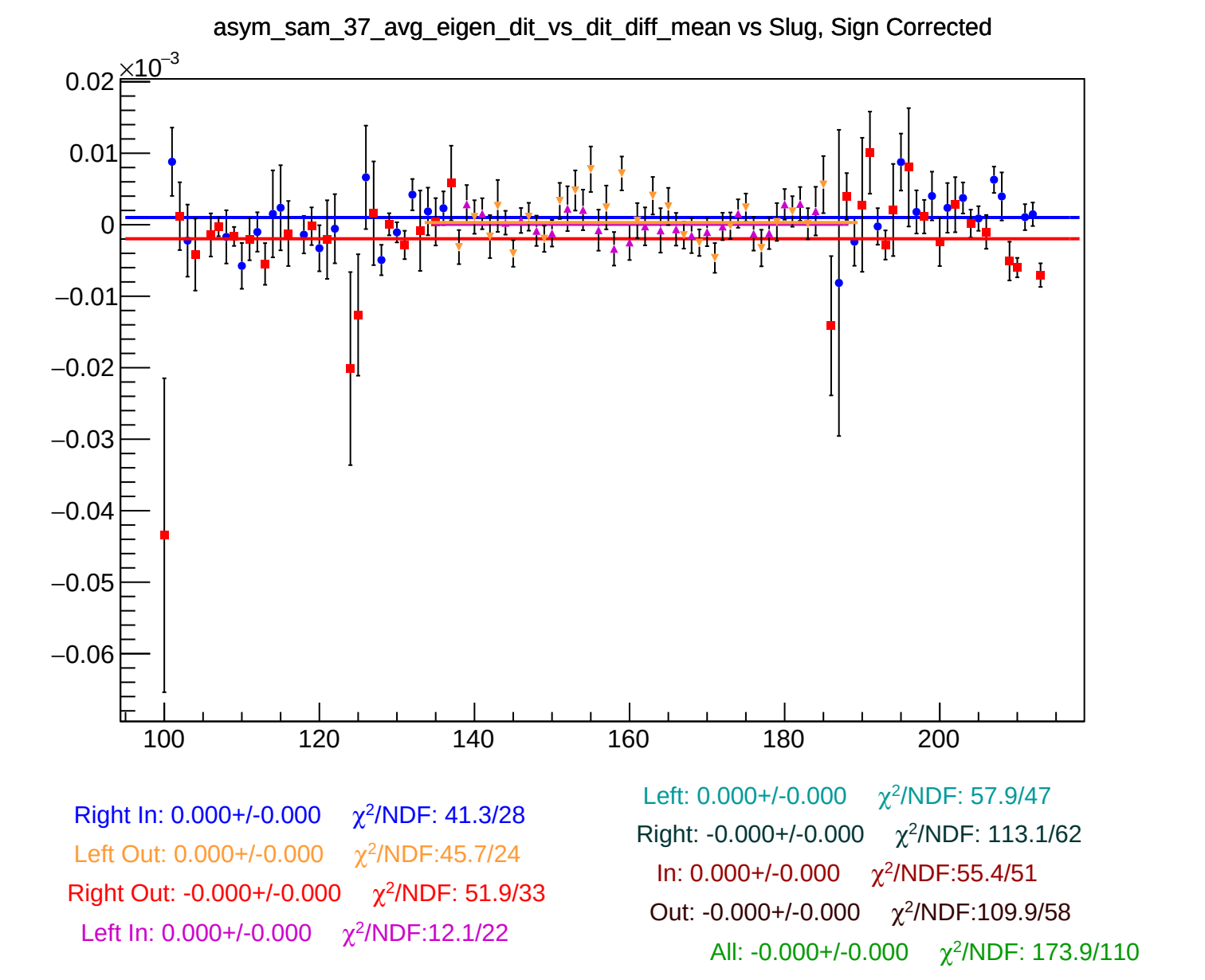
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

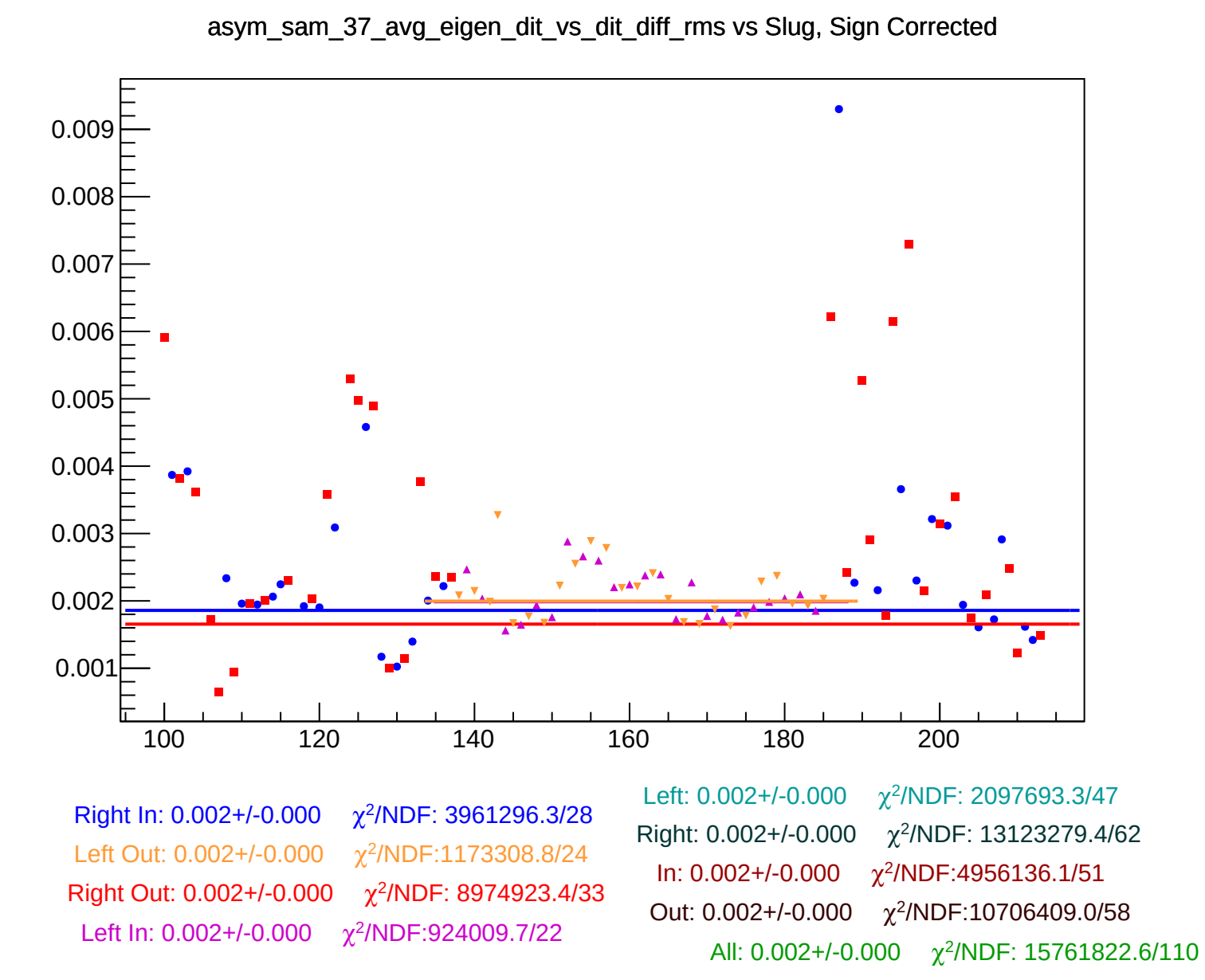
Right: 35.715+/-0.005 χ^2/NDF: 12389393.8/62

In: 27.202+/-0.004 χ^2/NDF:15812494.9/51

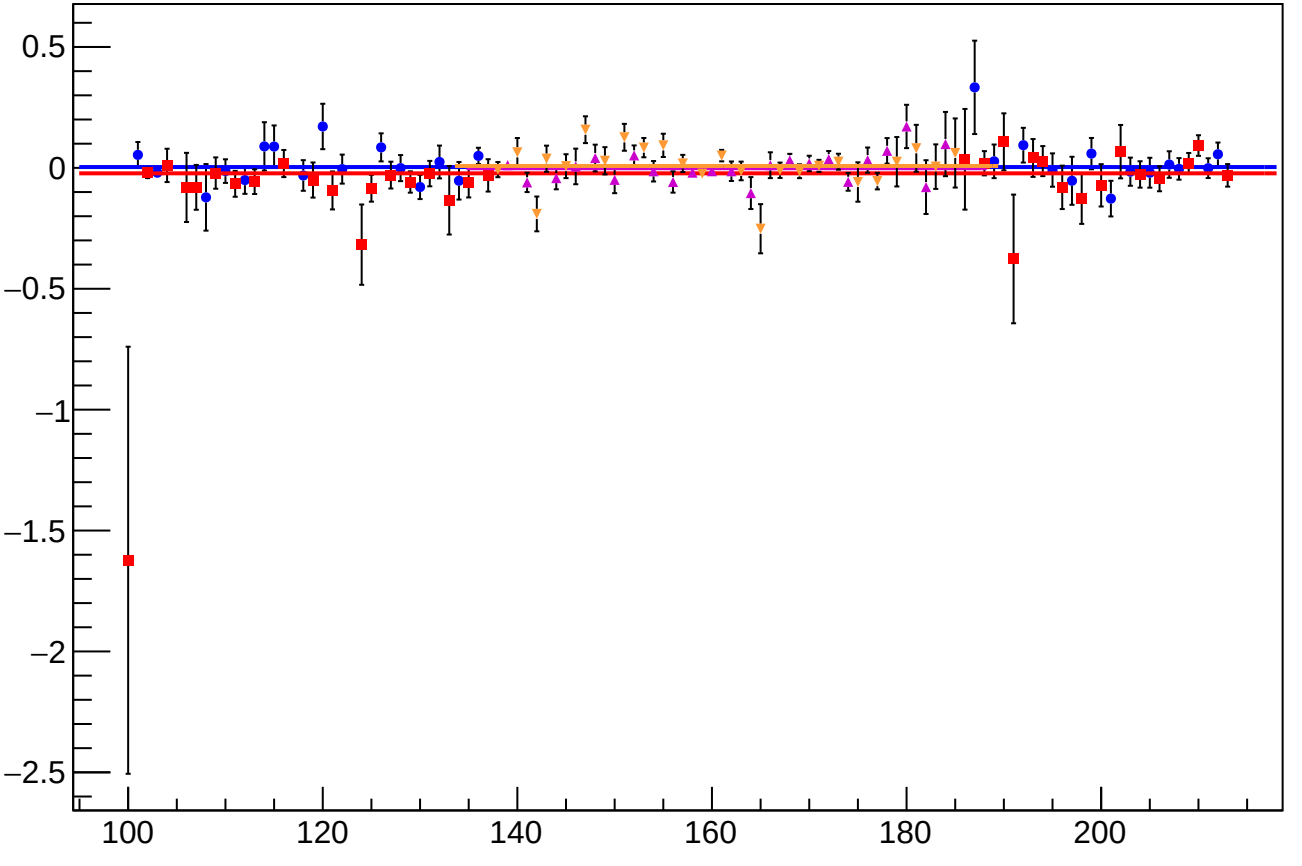
Out: 31.400+/-0.004 χ^2/NDF:14231842.2/58

All: 29.132+/-0.003 χ^2/NDF: 30564264.6/110


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: 41.3/28
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: 113.1/62
In: 0.000+/-0.000 χ²/NDF:55.4/51
Out: -0.000+/-0.000 χ²/NDF:109.9/58
All: -0.000+/-0.000 χ²/NDF: 173.9/110


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: 3961296.3/28
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: 13123279.4/62
In: 0.002+/-0.000 χ²/NDF:4956136.1/51
Out: 0.002+/-0.000 χ²/NDF:10706409.0/58
All: 0.002+/-0.000 χ²/NDF: 15761822.6/110

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.010 χ^2/NDF: 26.9/28

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

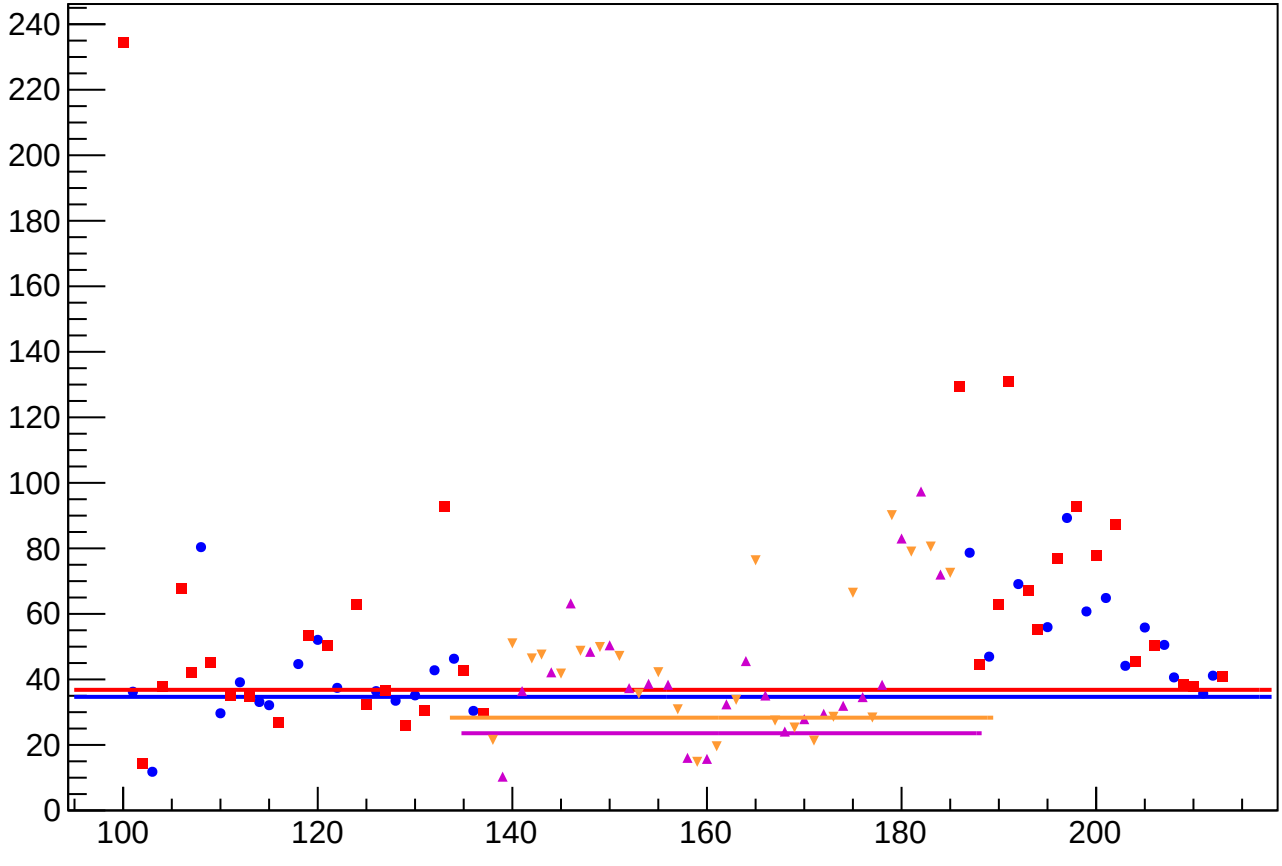
Right: -0.009+/-0.007 χ^2/NDF: 59.0/62

In: 0.000+/-0.006 χ^2/NDF:52.2/51

Out: -0.003+/-0.006 χ^2/NDF:82.1/58

All: -0.001+/-0.004 χ^2/NDF: 134.5/110

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.674+/-0.007 χ^2/NDF: 5809482.2/28

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

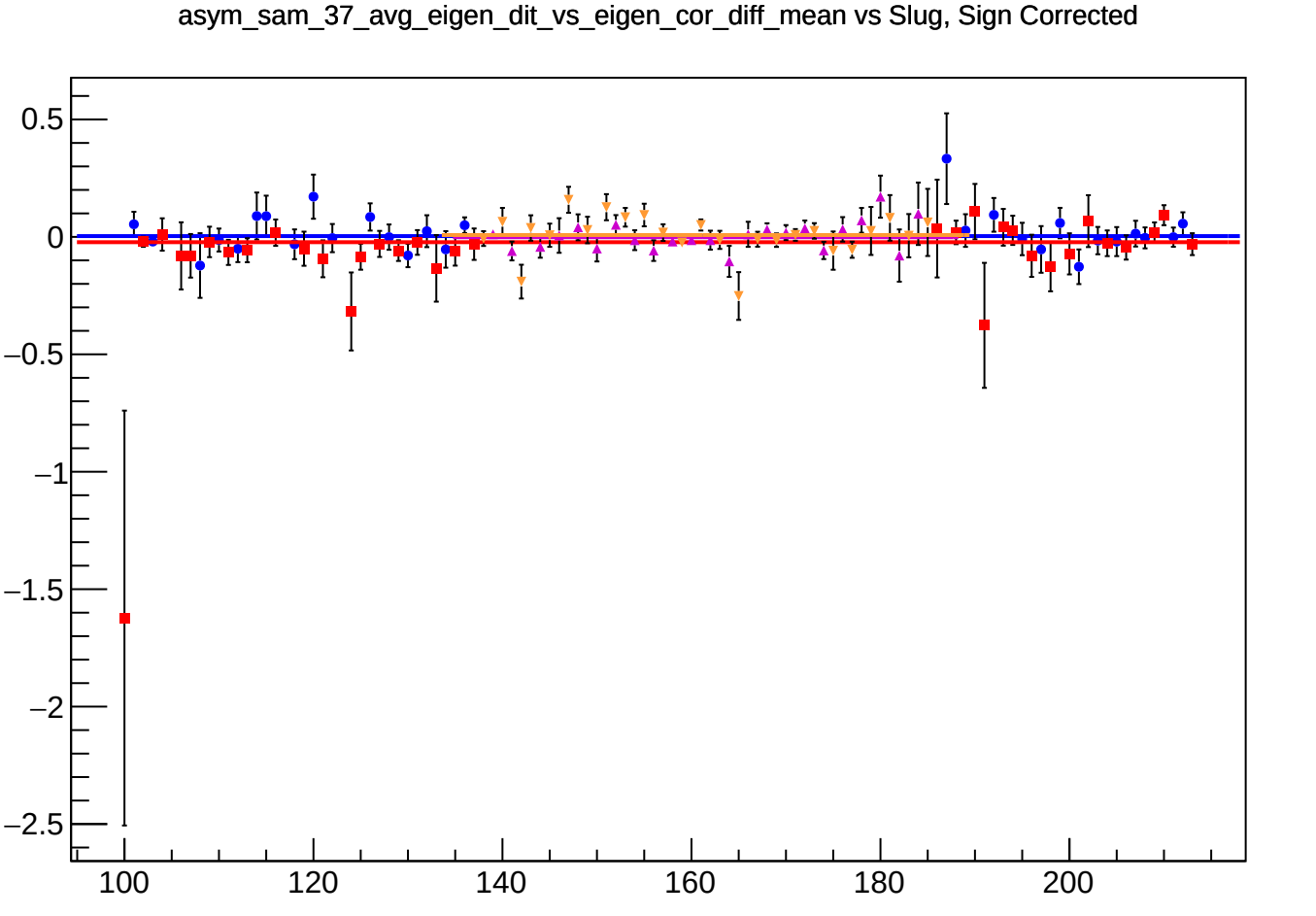
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 35.716+/-0.005 χ^2/NDF: 12388738.8/62

In: 27.201+/-0.004 χ^2/NDF:15814174.5/51

Out: 31.401+/-0.004 χ^2/NDF:14231630.9/58

All: 29.132+/-0.003 χ^2/NDF: 30566111.8/110



Right In: 0.003+/-0.010 χ^2/NDF: 26.9/28

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

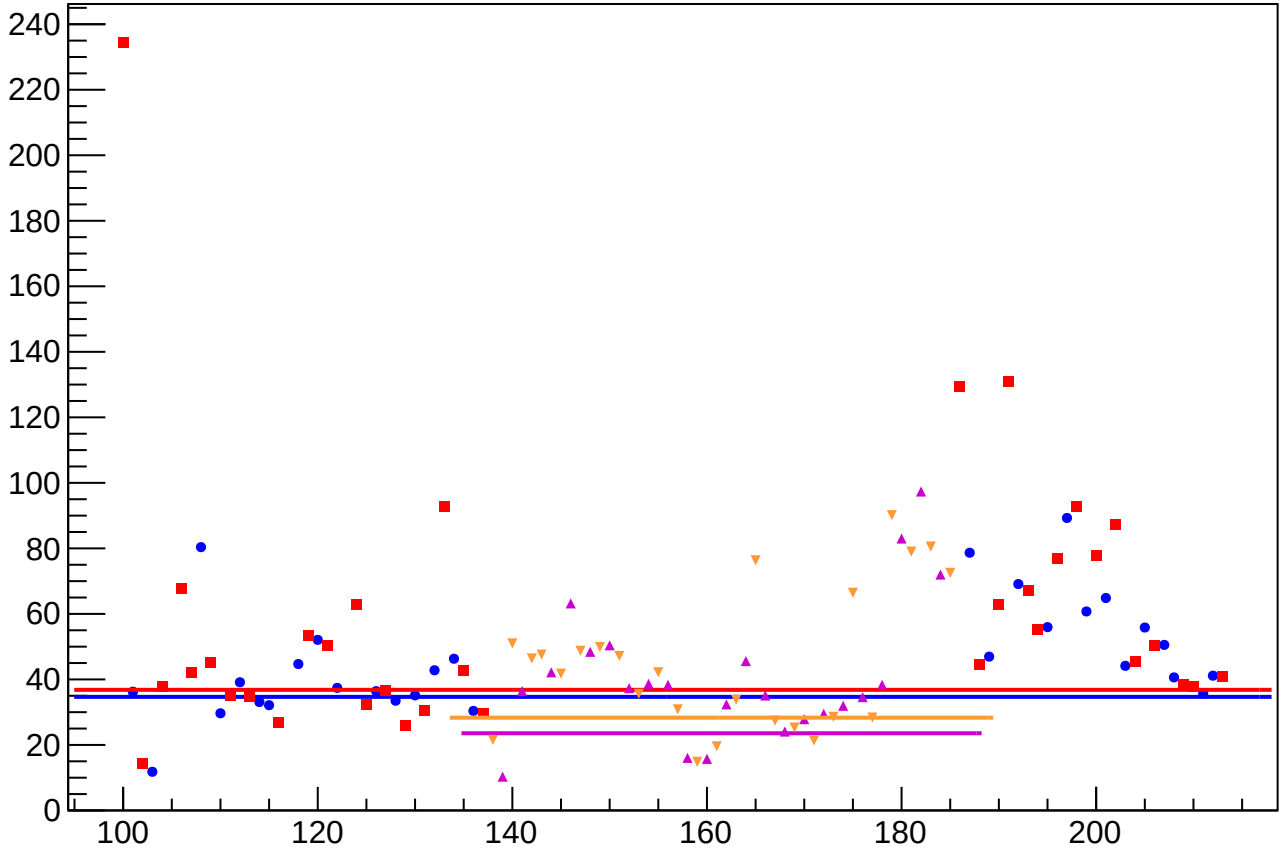
Right: -0.009+/-0.007 χ^2/NDF: 59.0/62

In: 0.000+/-0.006 χ^2/NDF:52.2/51

Out: -0.003+/-0.006 χ^2/NDF:82.1/58

All: -0.001+/-0.004 χ^2/NDF: 134.5/110

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.674+/-0.007 χ^2/NDF: 5809482.2/28

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

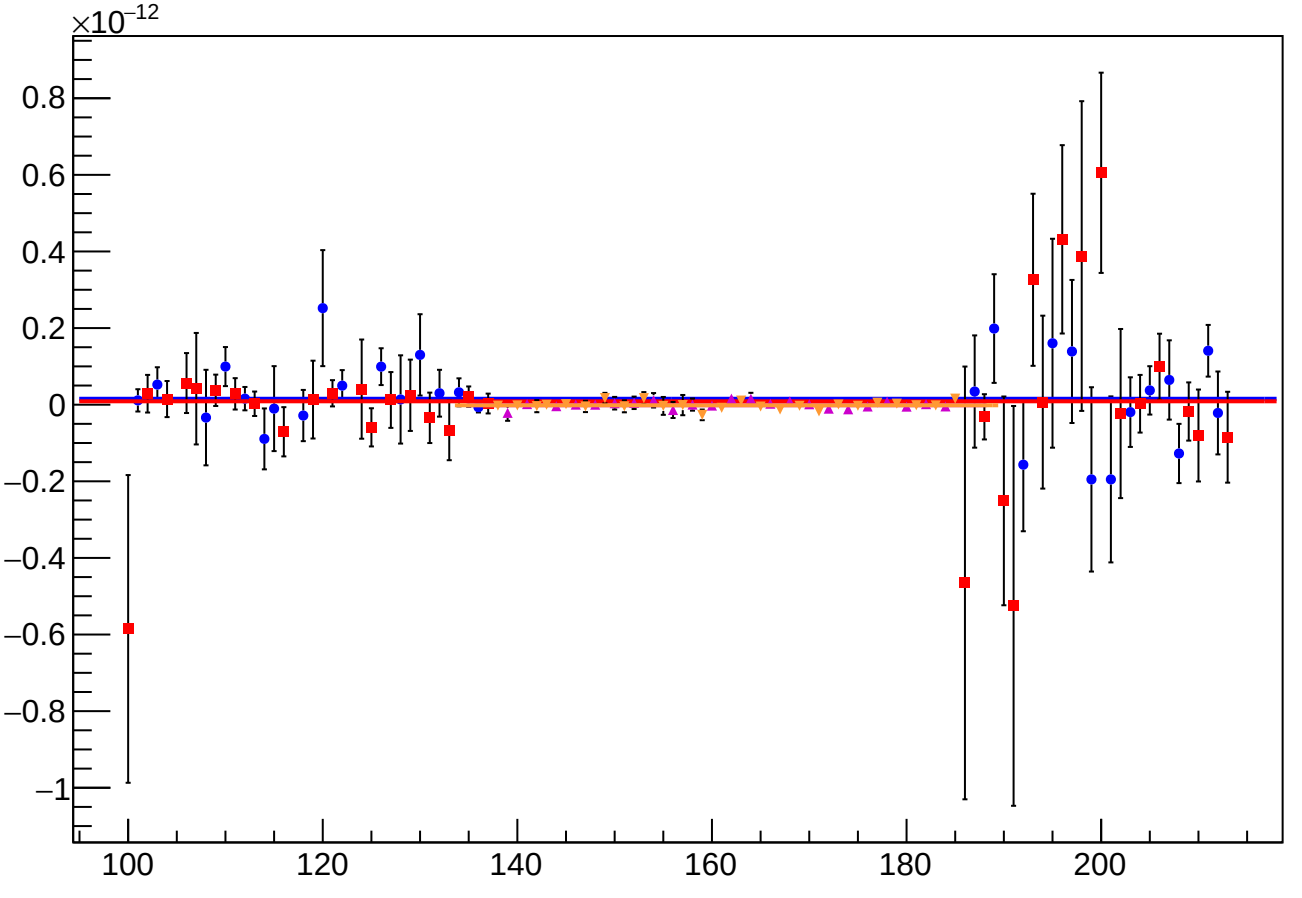
Right: 35.716+/-0.005 χ^2/NDF: 12388738.8/62

In: 27.201+/-0.004 χ^2/NDF:15814174.5/51

Out: 31.401+/-0.004 χ^2/NDF:14231630.9/58

All: 29.132+/-0.003 χ^2/NDF: 30566111.8/110

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 28.5/28

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

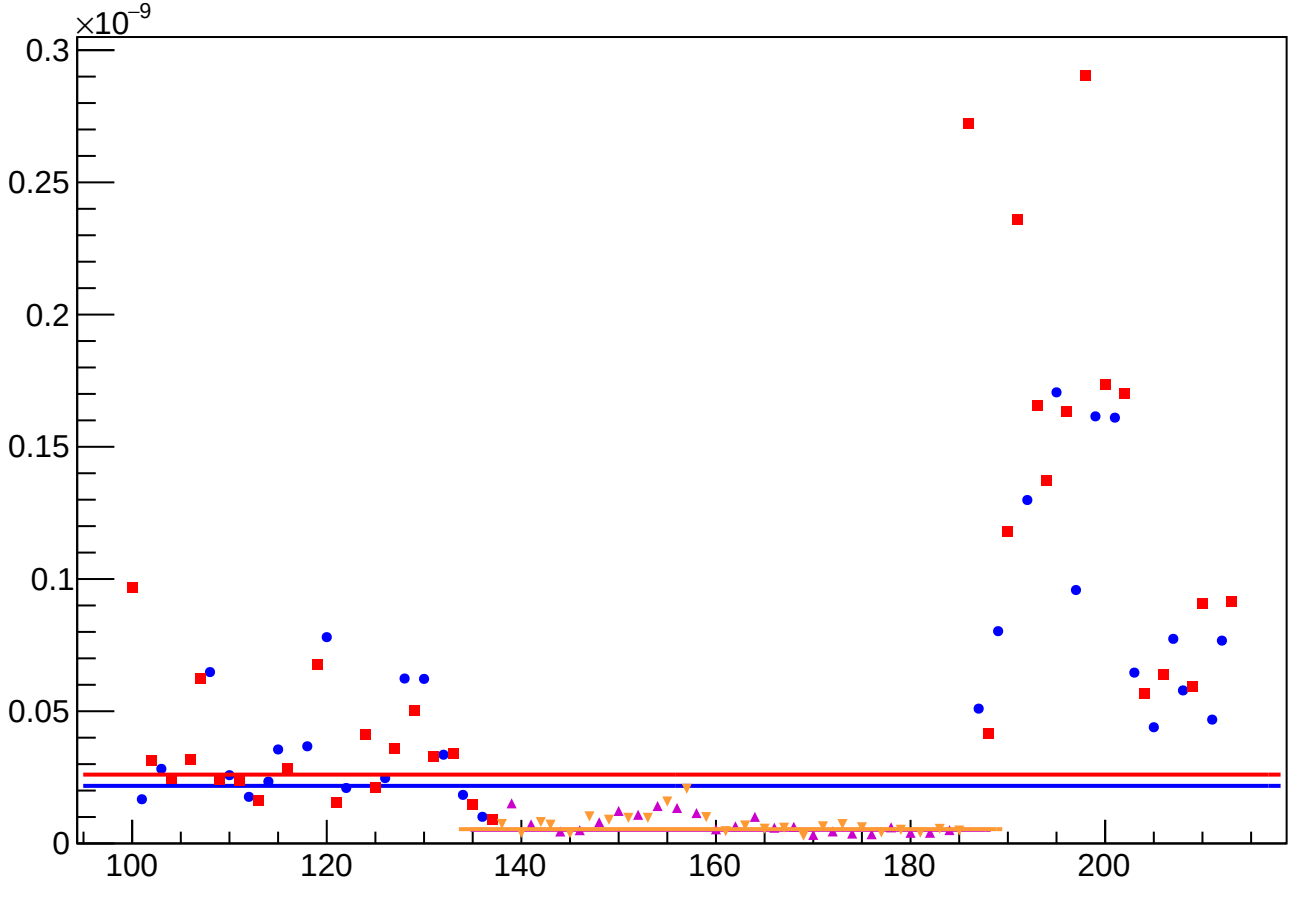
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 54.4/62

In: -0.000+/-0.000 χ^2/NDF:47.8/51

Out: -0.000+/-0.000 χ^2/NDF:44.2/58

All: -0.000+/-0.000 χ^2/NDF: 92.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 8979366.0/28

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

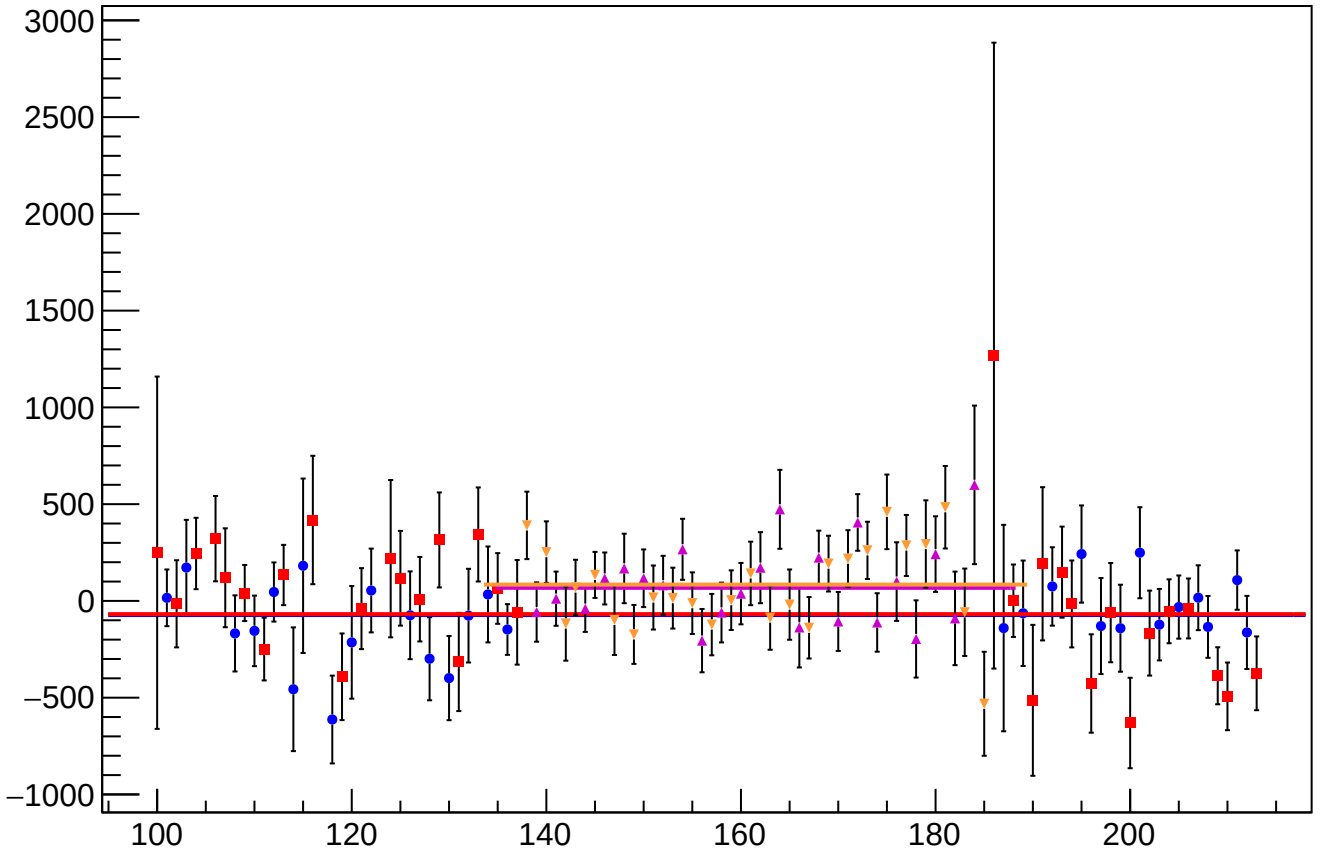
Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

Right: 0.000+/-0.000 χ^2/NDF: 19207946.3/62

In: 0.000+/-0.000 χ^2/NDF:18938560.3/51

Out: 0.000+/-0.000 χ^2/NDF:20996304.6/58

All: 0.000+/-0.000 χ^2/NDF: 39954665.2/110



Right In: -72.964+/-37.624 χ^2/NDF: 20.6/28

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

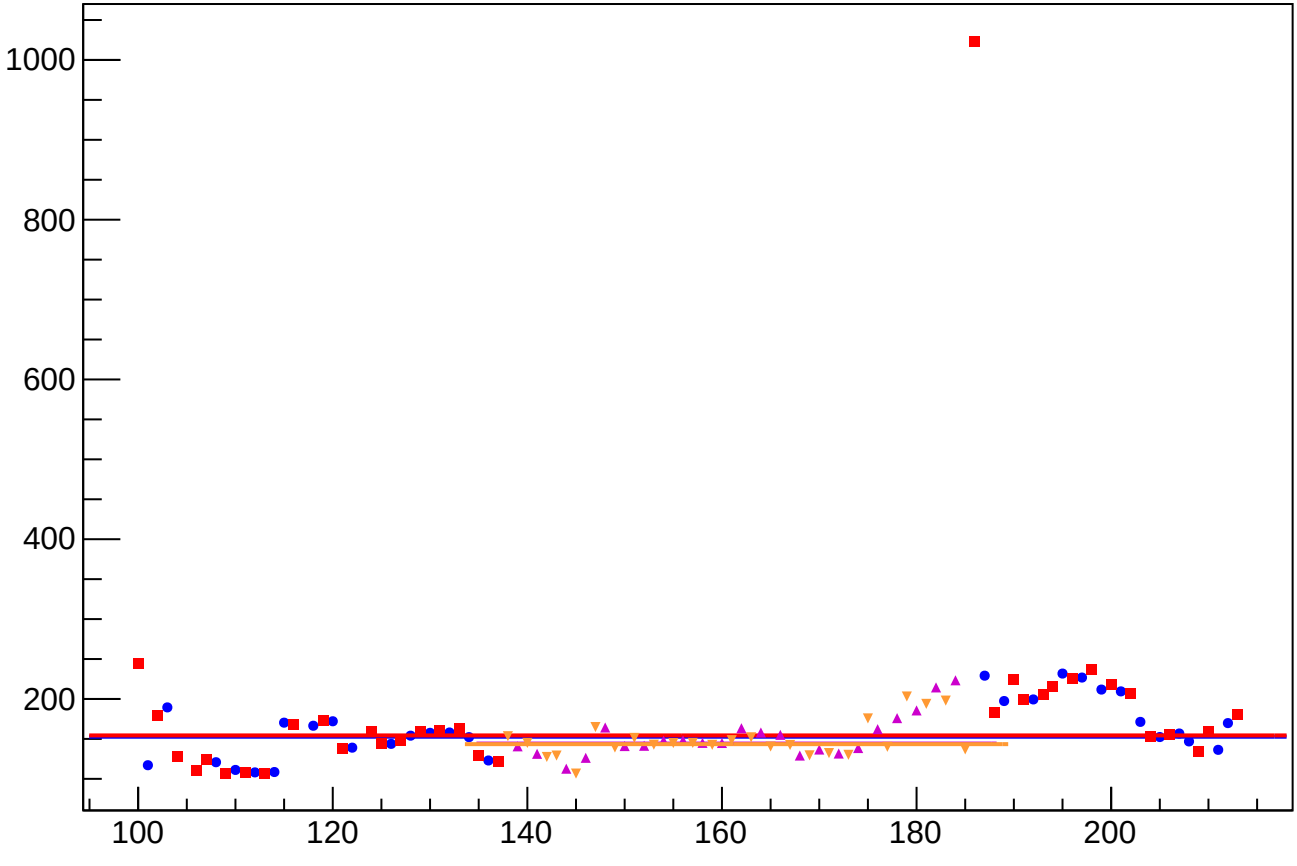
Right: -70.539+/-26.333 χ^2/NDF: 67.7/62

In: 4.158+/-25.282 χ^2/NDF:54.8/51

Out: 16.397+/-24.604 χ^2/NDF:90.4/58

All: 10.444+/-17.632 χ^2/NDF: 145.3/110

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 152.741+/-0.027 χ^2/NDF: 1559368.9/28

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

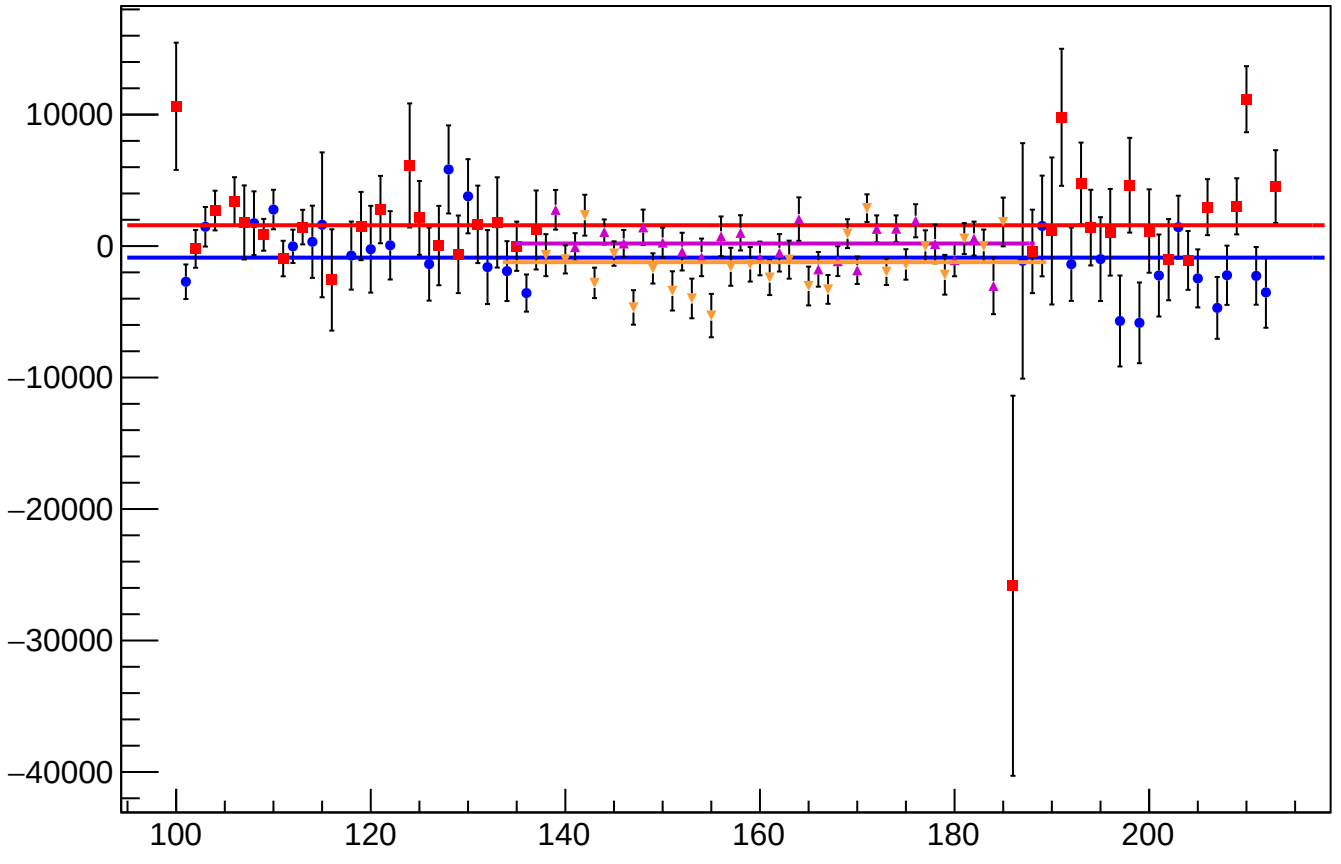
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 153.573+/-0.019 χ^2/NDF: 4078280.4/62

In: 148.040+/-0.018 χ^2/NDF:2319007.1/51

Out: 148.310+/-0.017 χ^2/NDF:3361497.8/58

All: 148.179+/-0.012 χ^2/NDF: 5680621.9/110



Right In: -878.359+/-419.521 χ^2/NDF: 34.2/28

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

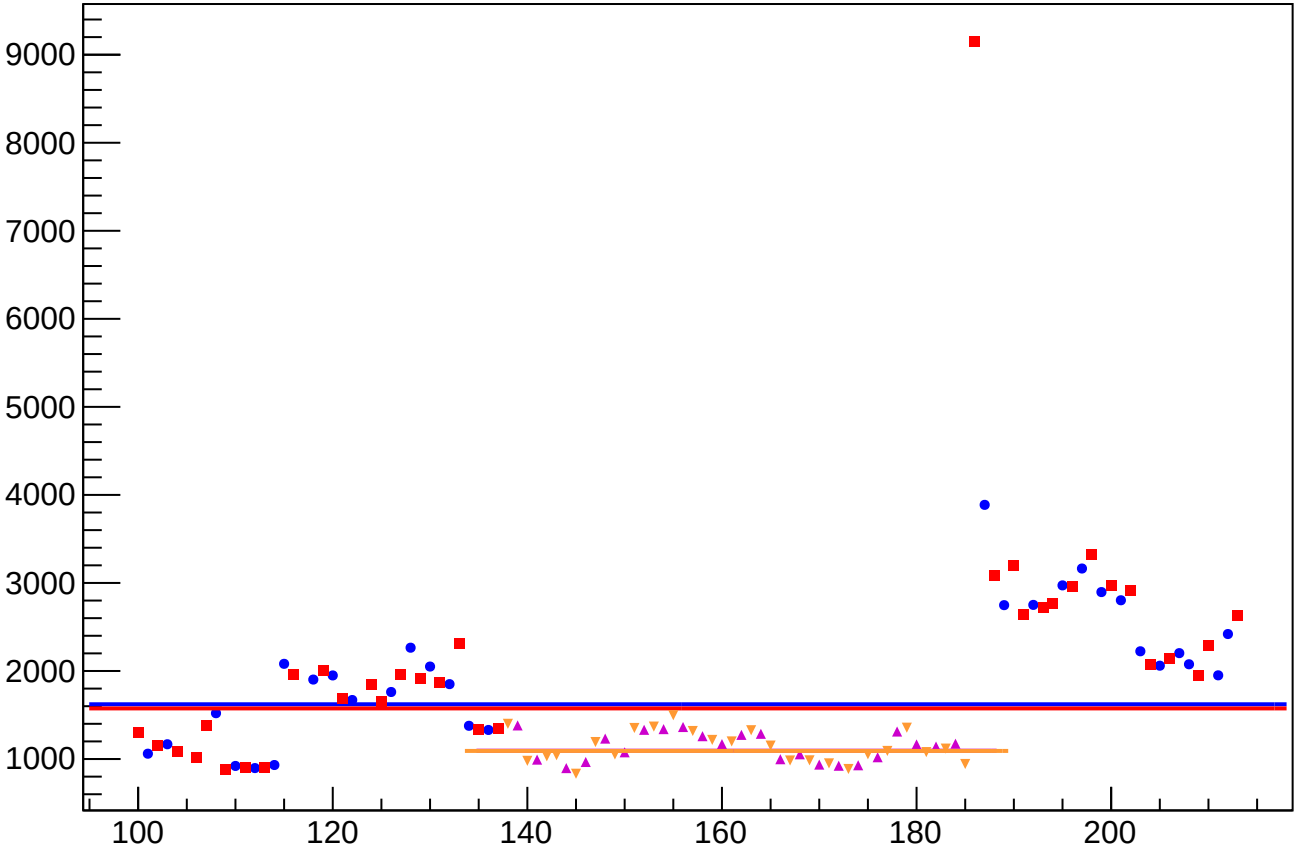
Right: 412.549+/-289.414 χ^2/NDF: 93.6/62

In: -101.943+/-220.336 χ^2/NDF:62.2/51

Out: -427.109+/-213.041 χ^2/NDF:136.0/58

All: -269.998+/-153.157 χ^2/NDF: 199.3/110

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1621.835+/-0.297 χ^2/NDF: 4715904.8/28

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

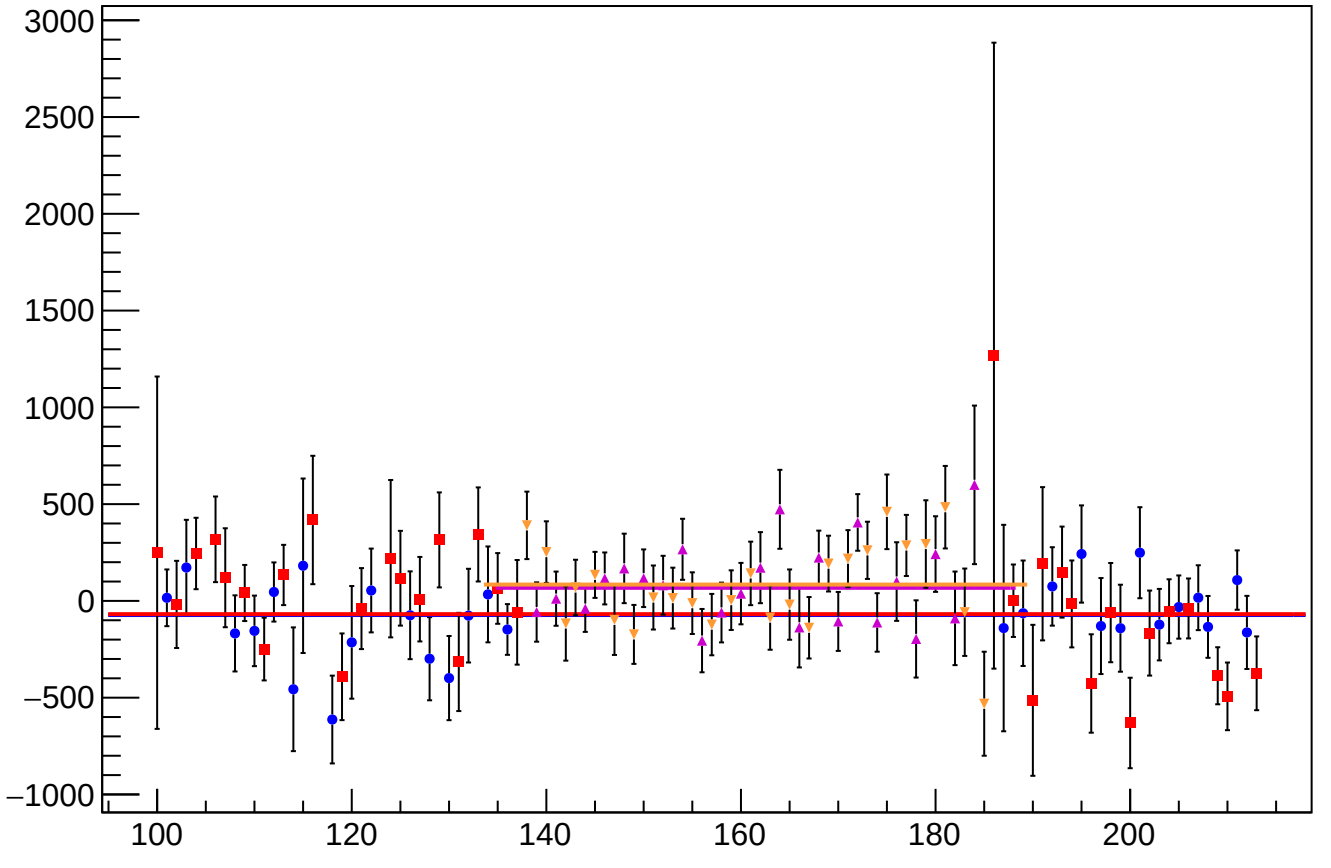
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1597.208+/-0.205 χ^2/NDF: 11501460.7/62

In: 1239.946+/-0.156 χ^2/NDF:7737449.1/51

Out: 1229.102+/-0.151 χ^2/NDF:9753988.0/58

All: 1234.342+/-0.108 χ^2/NDF: 17493940.7/1



Right In: -72.971+/-37.624 χ^2/NDF: 20.6/28

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

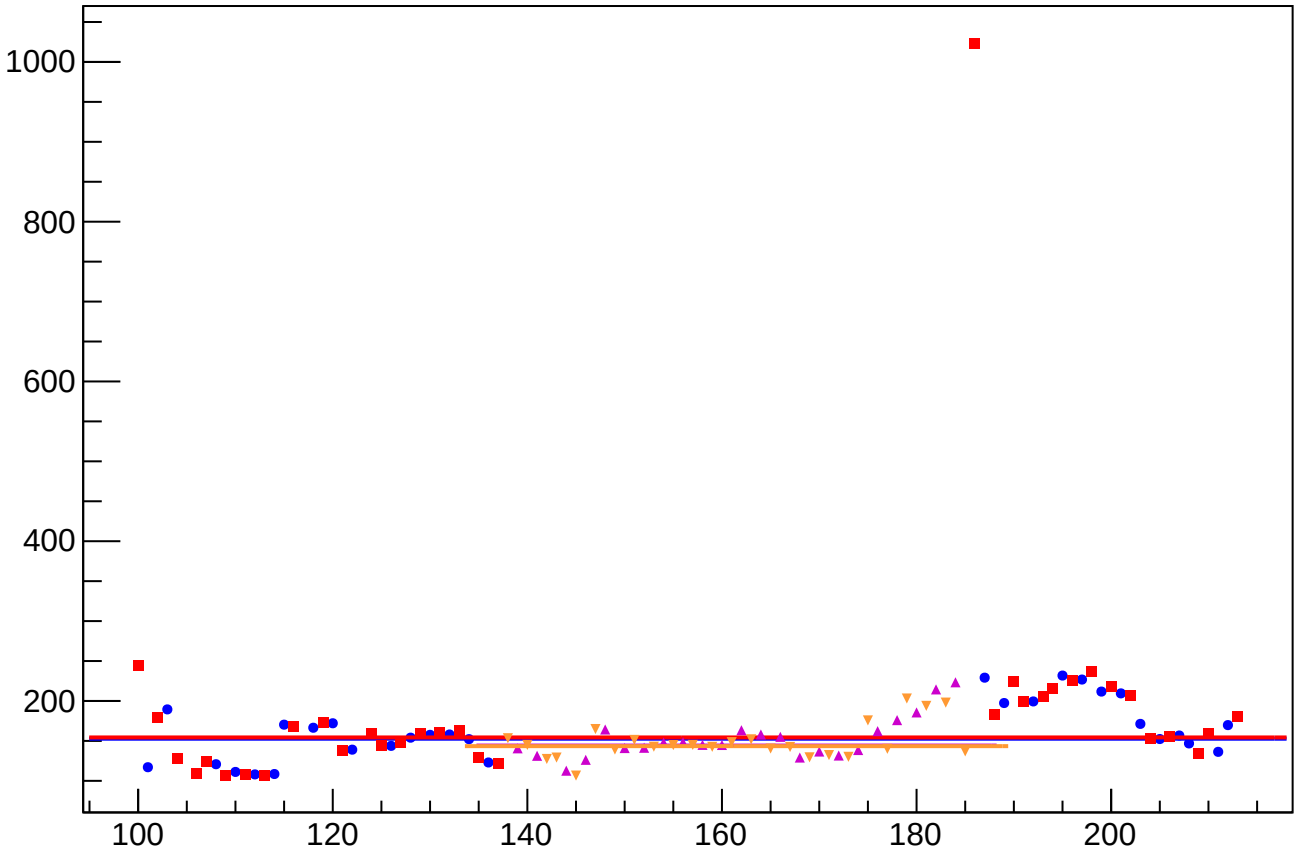
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -70.671+/-26.335 χ^2/NDF: 67.6/62

In: 4.156+/-25.282 χ^2/NDF:54.8/51

Out: 16.300+/-24.605 χ^2/NDF:90.4/58

All: 10.393+/-17.633 χ^2/NDF: 145.3/110



Right In: 152.741+/-0.027 χ^2/NDF: 1559371.2/28

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

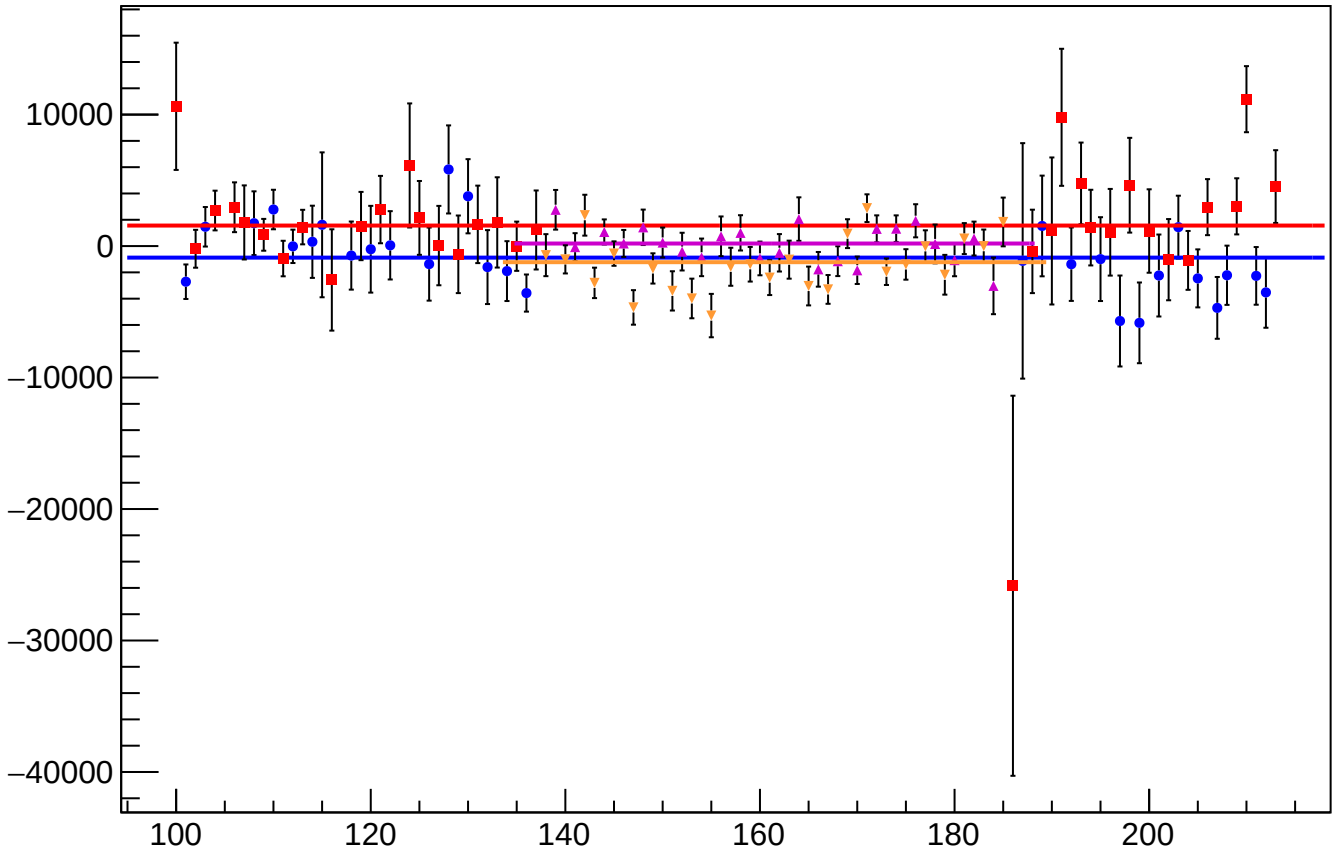
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.555+/-0.019 χ^2/NDF: 4083683.4/62

In: 148.040+/-0.018 χ^2/NDF:2319009.7/51

Out: 148.294+/-0.017 χ^2/NDF:3366342.7/58

All: 148.171+/-0.012 χ^2/NDF: 5685455.7/110



Right In: -878.414+/-419.524 χ^2/NDF: 34.2/28

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

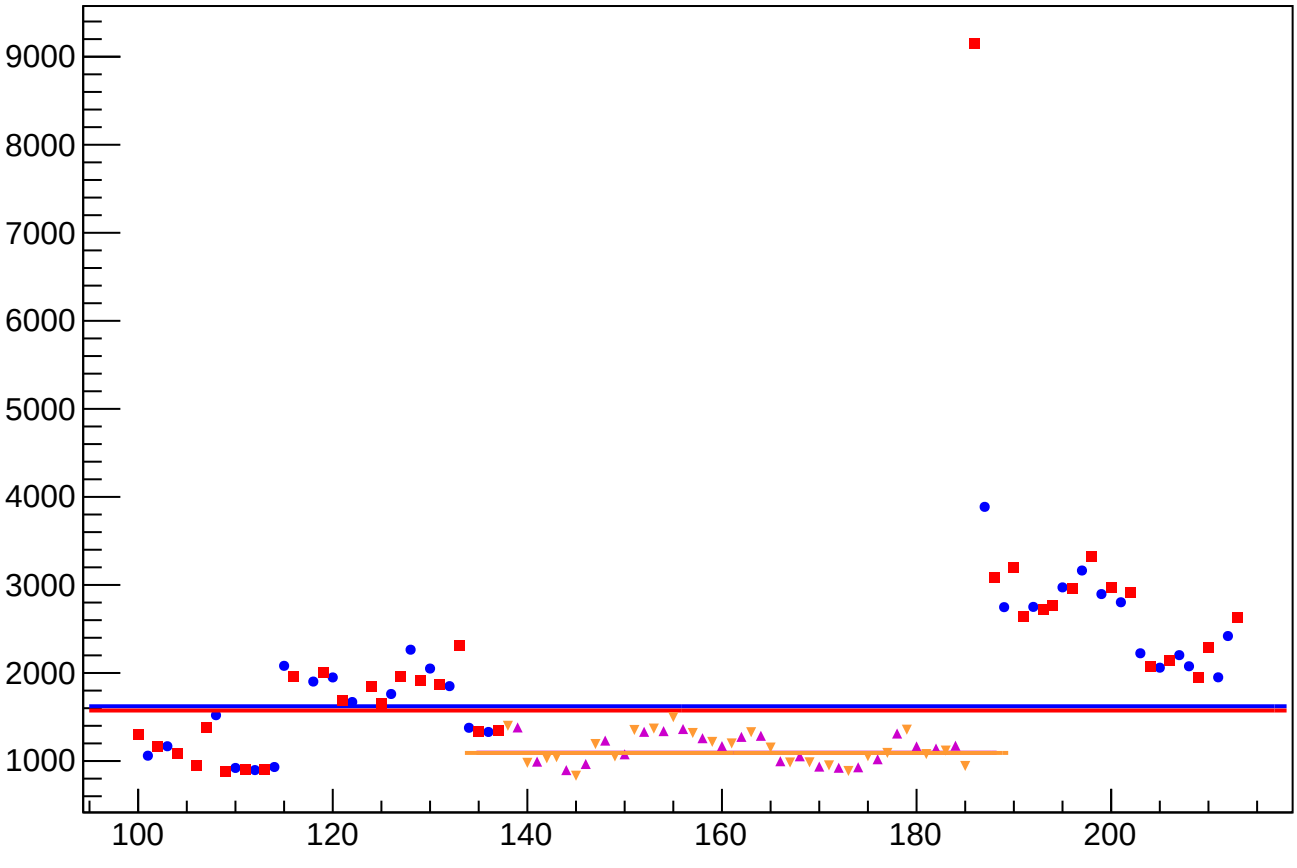
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 398.016+/-289.633 χ^2/NDF: 92.8/62

In: -101.953+/-220.336 χ^2/NDF:62.2/51

Out: -435.640+/-213.127 χ^2/NDF:134.9/58

All: -274.345+/-153.189 χ^2/NDF: 198.3/110



Right In: 1621.849+/-0.297 χ^2/NDF: 4715791.3/28

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

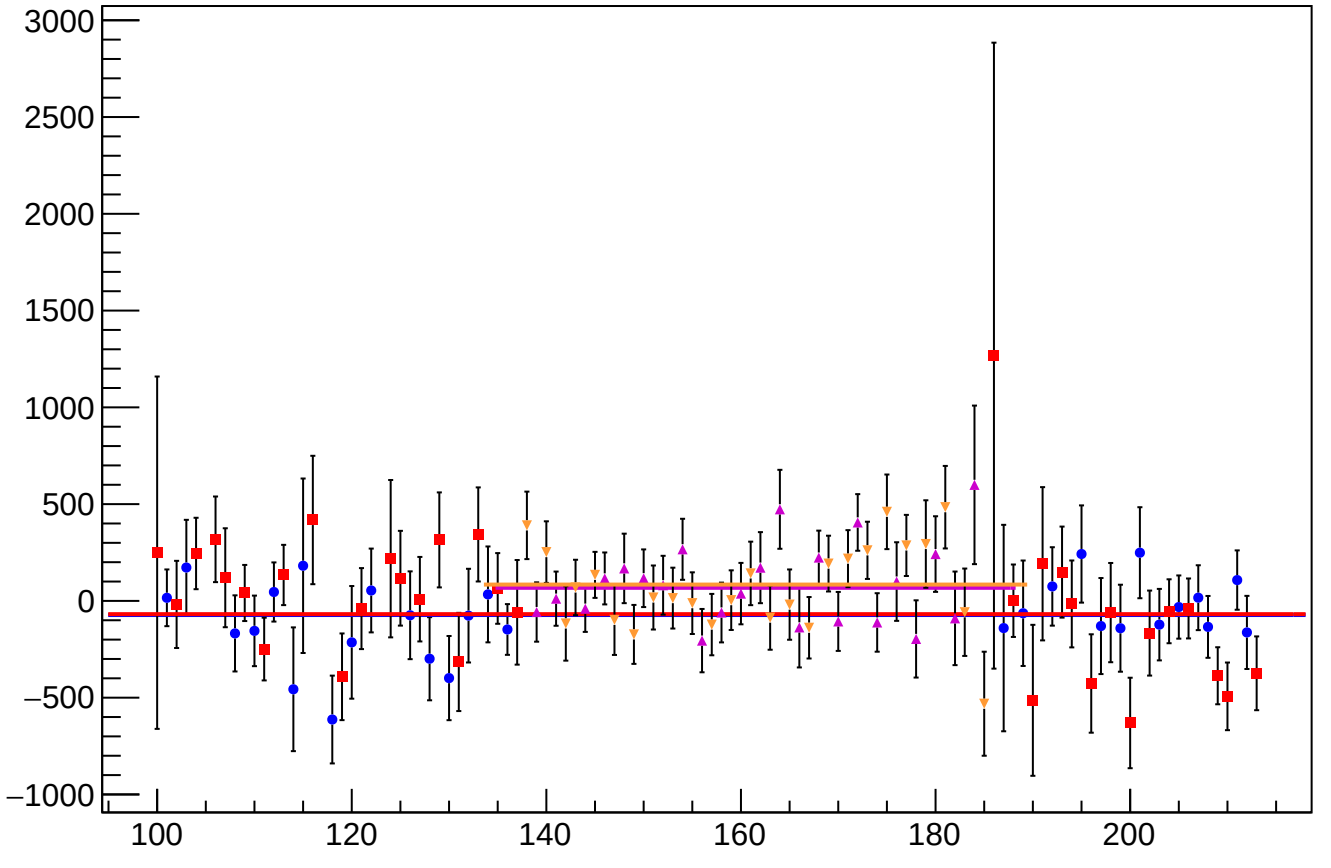
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1596.661+/-0.205 χ^2/NDF: 11531083.6/62

In: 1239.949+/-0.156 χ^2/NDF:7737433.9/51

Out: 1228.503+/-0.151 χ^2/NDF:9769133.7/58

All: 1234.035+/-0.108 χ^2/NDF: 17509355.9/



Right In: -72.971+/-37.624 χ^2/NDF: 20.6/28

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

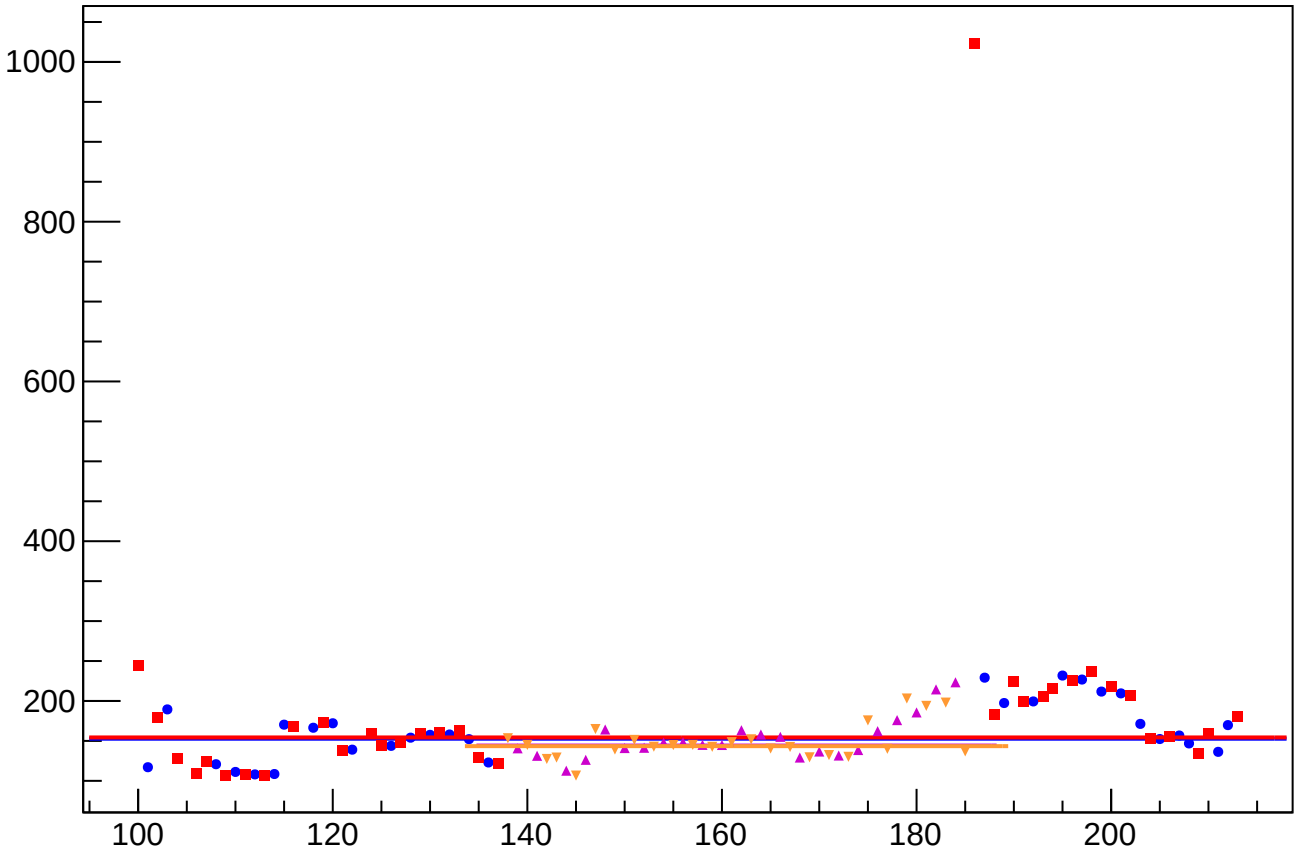
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -70.671+/-26.335 χ^2/NDF: 67.6/62

In: 4.156+/-25.282 χ^2/NDF:54.8/51

Out: 16.300+/-24.605 χ^2/NDF:90.4/58

All: 10.393+/-17.633 χ^2/NDF: 145.3/110



Right In: 152.741+/-0.027 χ^2/NDF: 1559371.2/28

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

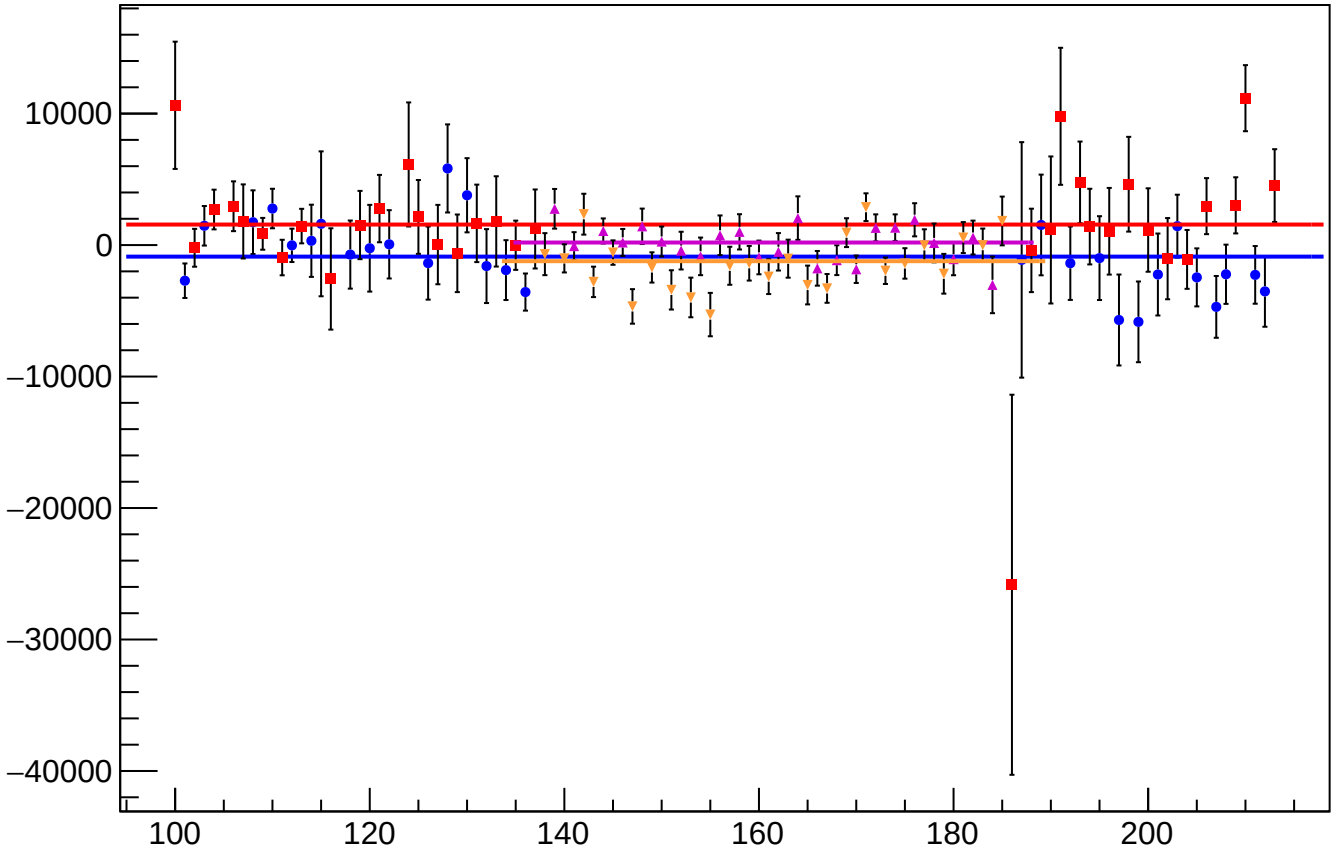
Right: 153.555+/-0.019 χ^2/NDF: 4083683.4/62

In: 148.040+/-0.018 χ^2/NDF:2319009.7/51

Out: 148.294+/-0.017 χ^2/NDF:3366342.7/58

All: 148.171+/-0.012 χ^2/NDF: 5685455.7/110

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -878.414+/-419.524 χ^2/NDF: 34.2/28

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

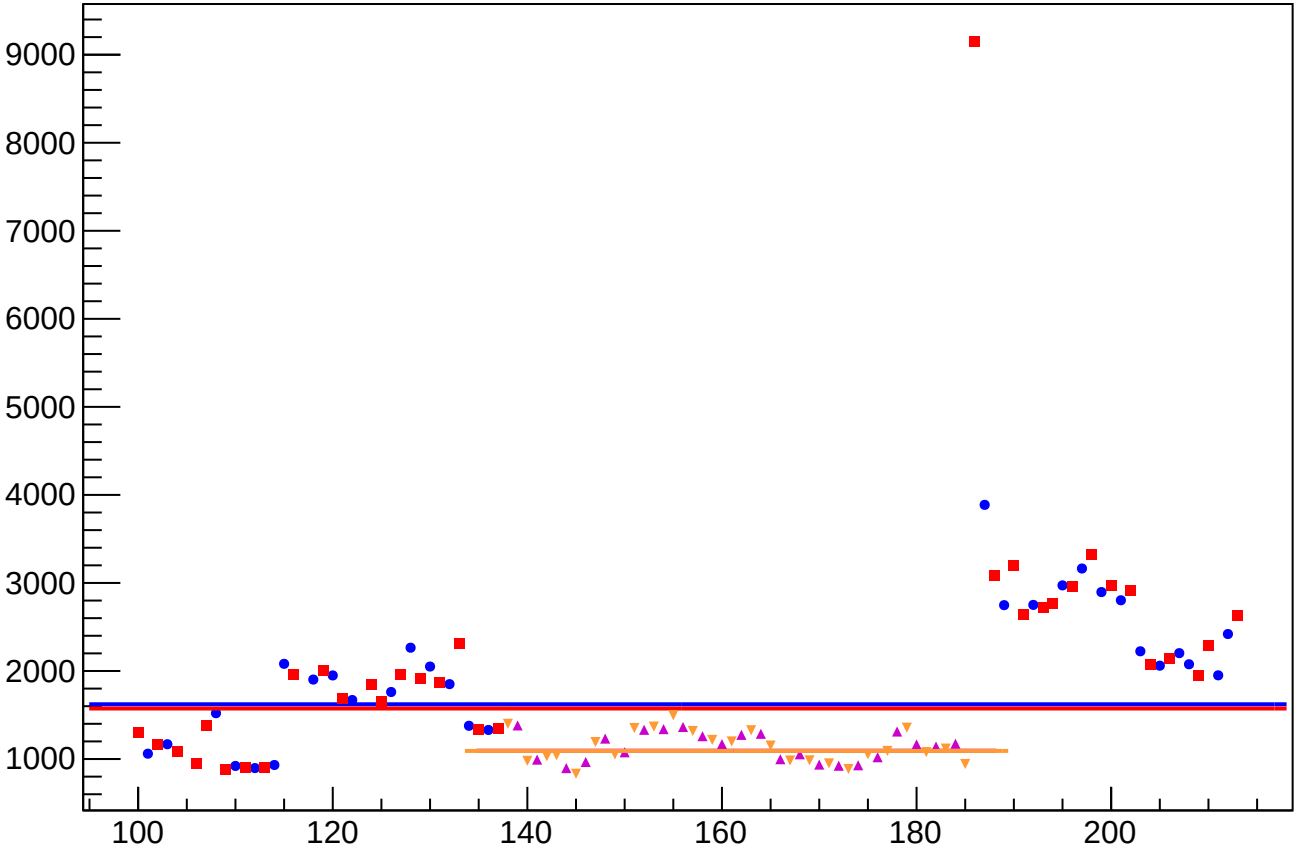
Right: 398.016+/-289.633 χ^2/NDF: 92.8/62

In: -101.953+/-220.336 χ^2/NDF:62.2/51

Out: -435.640+/-213.127 χ^2/NDF:134.9/58

All: -274.345+/-153.189 χ^2/NDF: 198.3/110

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1621.849+/-0.297 χ^2/NDF: 4715791.3/28

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

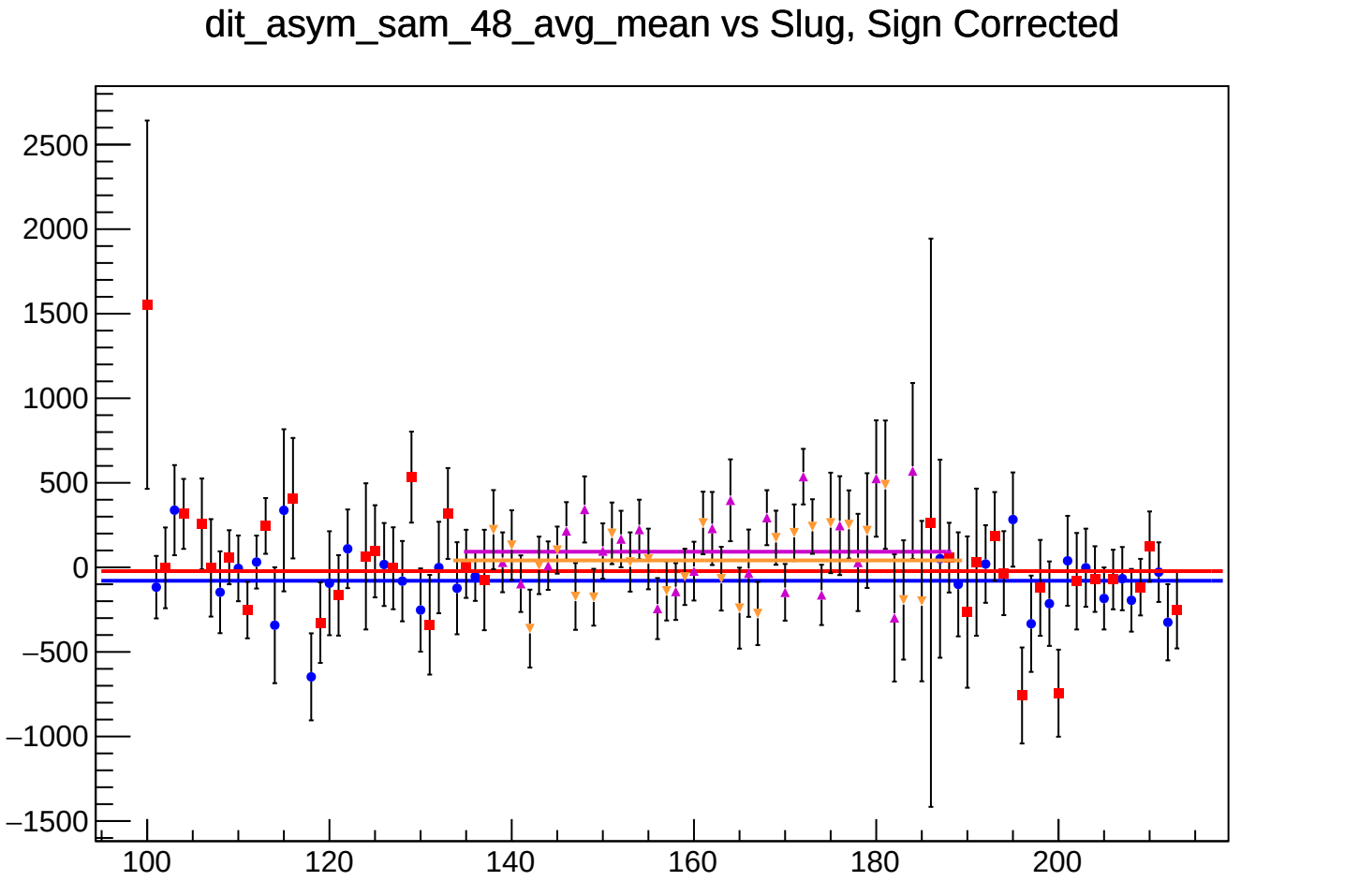
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

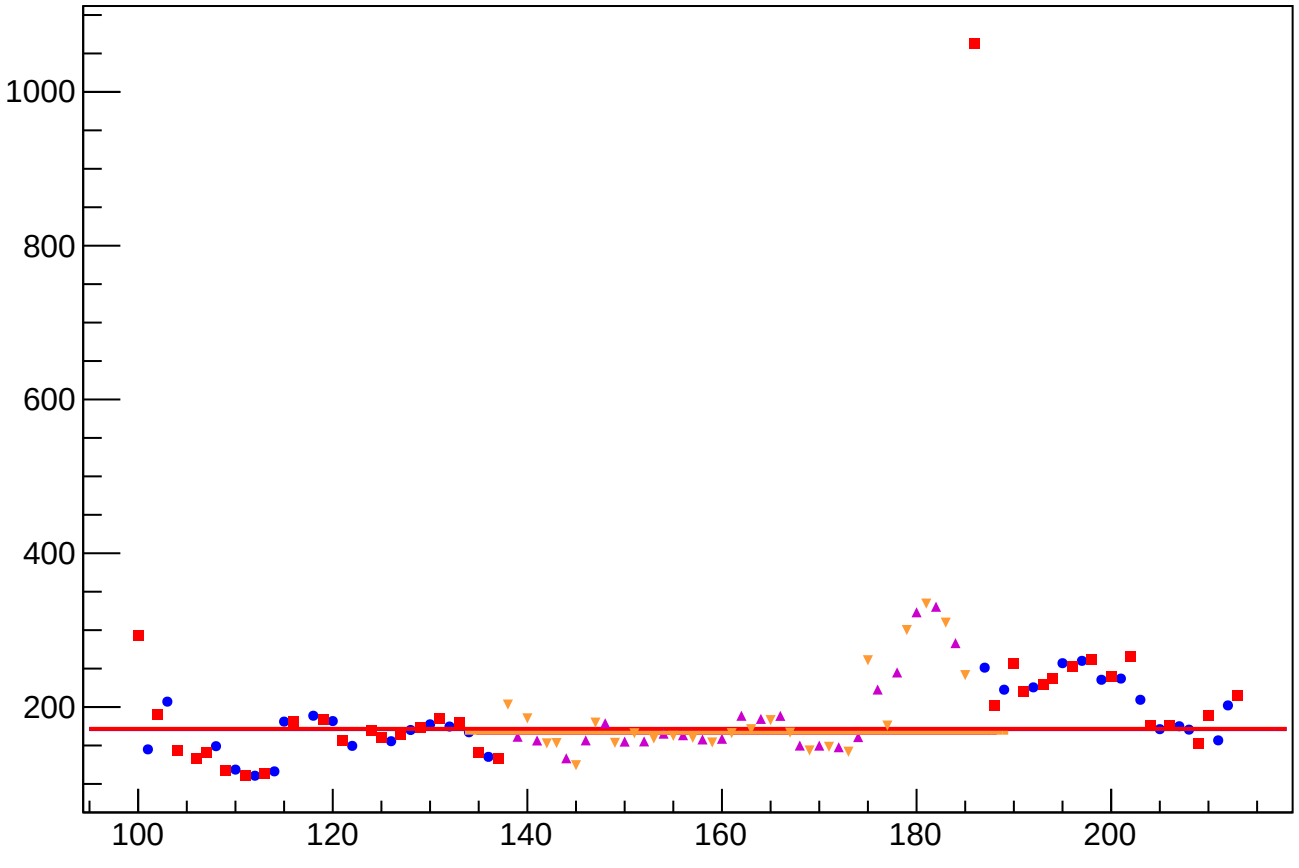
Right: 1596.661+/-0.205 χ^2/NDF: 11531083.6/62

In: 1239.949+/-0.156 χ^2/NDF:7737433.9/51

Out: 1228.503+/-0.151 χ^2/NDF:9769133.7/58

All: 1234.035+/-0.108 χ^2/NDF: 17509355.9/1


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: -79.217+/-42.385 χ²/NDF: 16.2/28
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: -49.923+/-29.555 χ²/NDF: 56.4/62
In: 11.285+/-29.154 χ²/NDF:54.4/51
Out: 11.062+/-28.402 χ²/NDF:62.9/58
All: 11.170+/-20.344 χ²/NDF: 117.2/110



Right In: 171.322+/-0.030 χ^2/NDF: 1705675.8/28

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

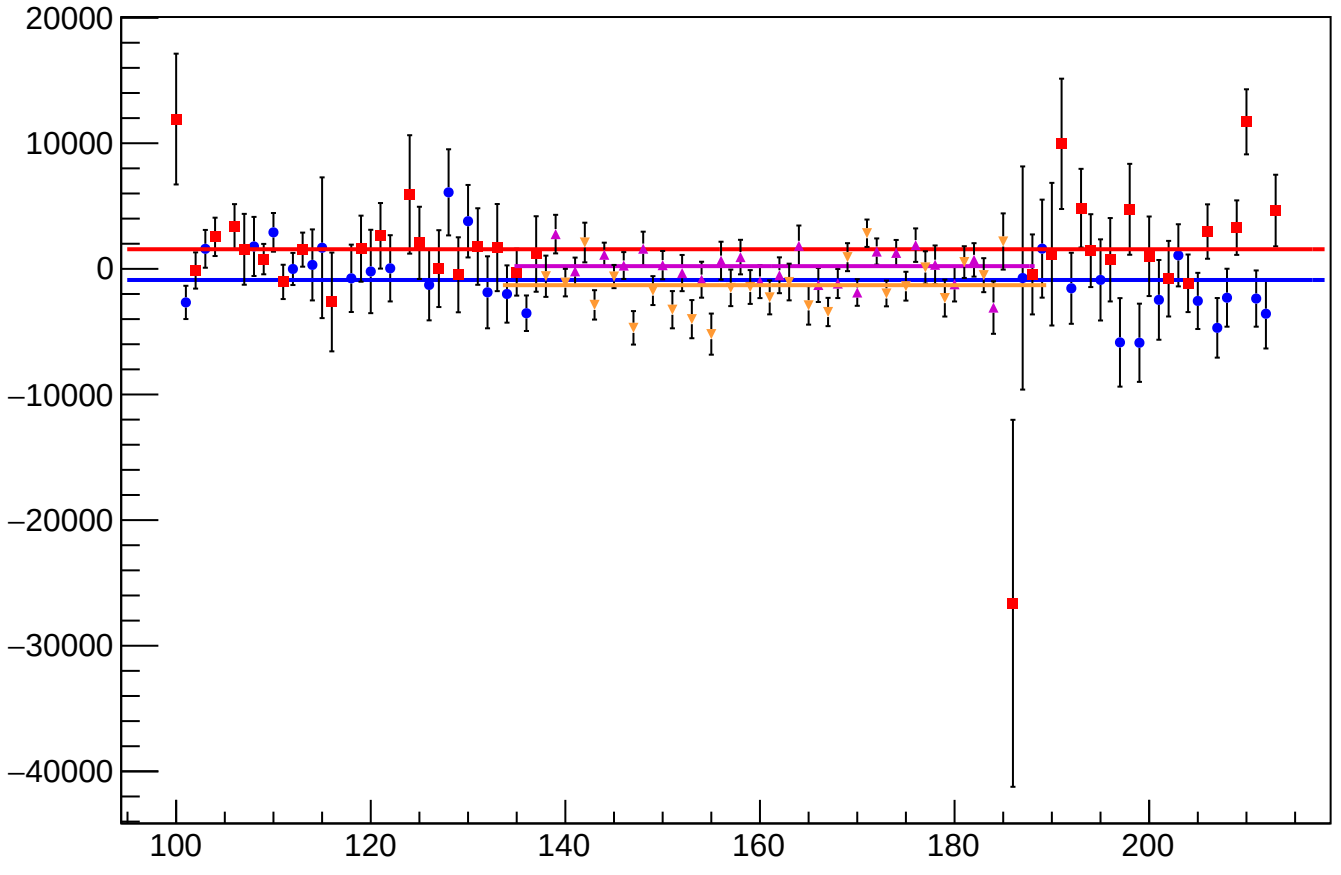
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 171.475+/-0.021 χ^2/NDF: 4463173.7/62

In: 168.680+/-0.021 χ^2/NDF:3112886.5/51

Out: 168.981+/-0.020 χ^2/NDF:4492875.7/58

All: 168.835+/-0.014 χ^2/NDF: 7605871.6/110



Right In: -885.210+/-424.680 χ^2/NDF: 34.4/28

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

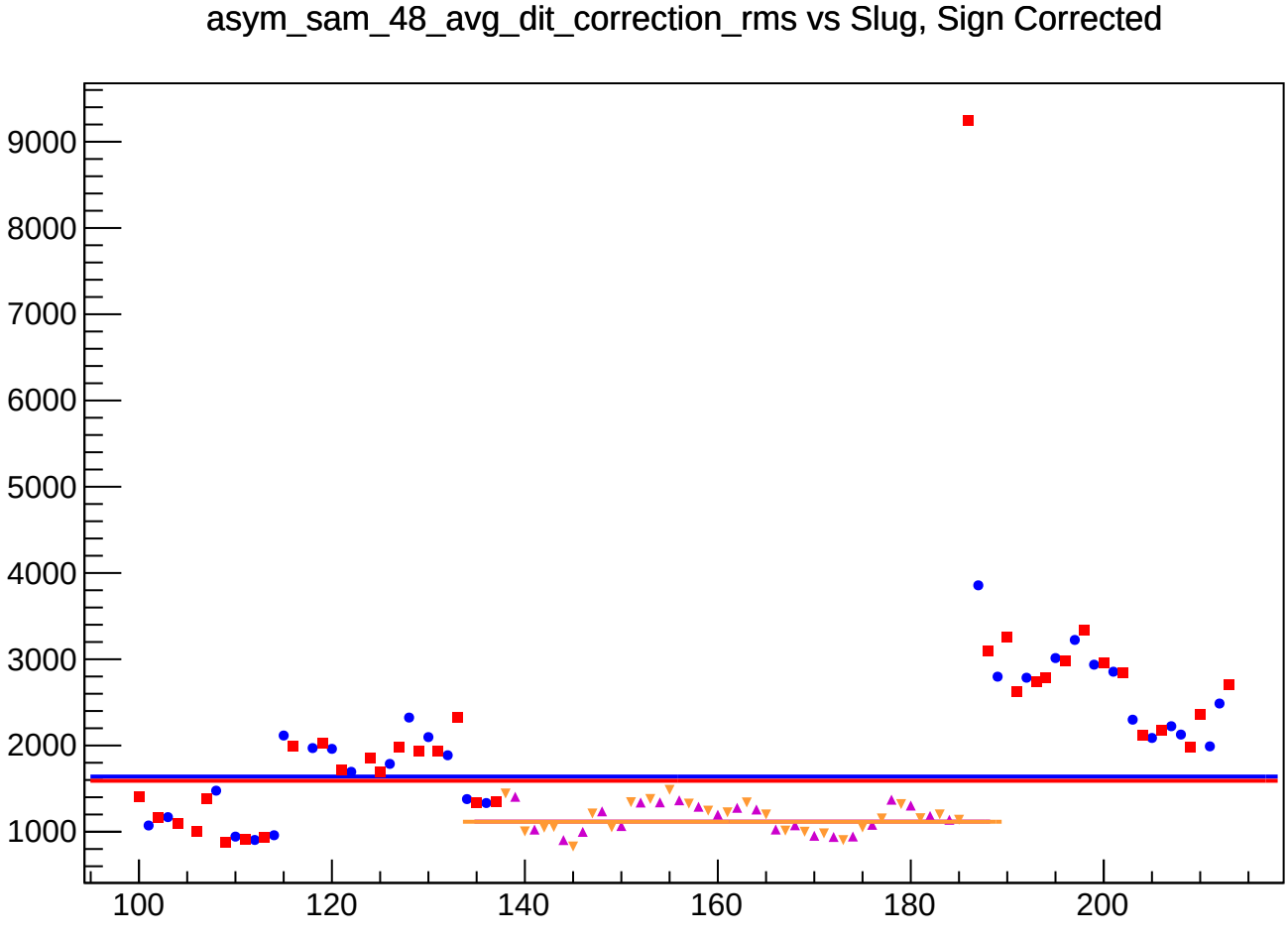
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 399.964+/-292.656 χ^2/NDF: 94.8/62

In: -90.665+/-224.447 χ^2/NDF:61.5/51

Out: -474.009+/-216.798 χ^2/NDF:133.7/58

All: -288.979+/-155.933 χ^2/NDF: 196.7/110



Right In: 1640.169+/-0.300 χ^2/NDF: 4798118.9/28

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

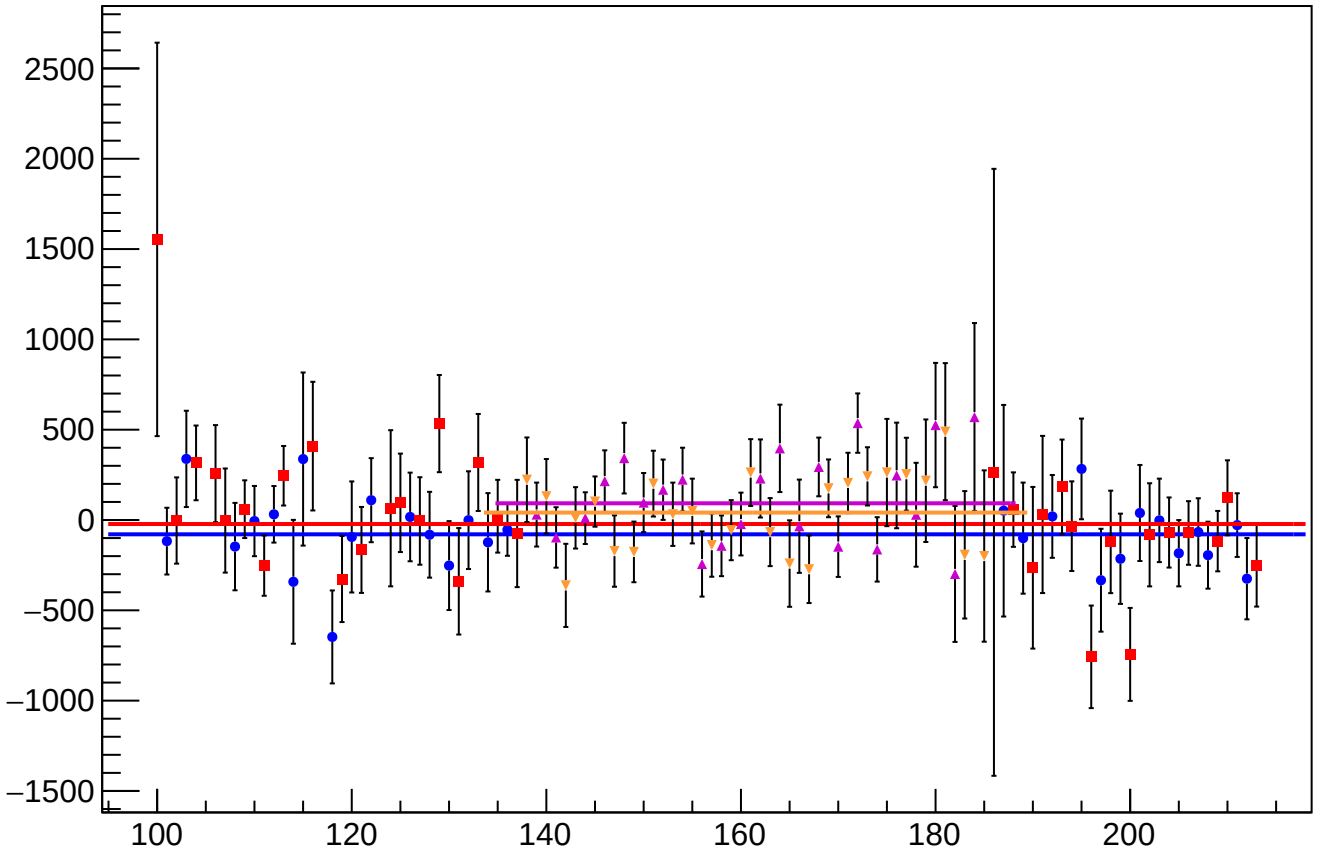
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1614.389+/-0.207 χ^2/NDF: 11600771.8/62

In: 1263.731+/-0.159 χ^2/NDF:7707985.5/51

Out: 1252.925+/-0.153 χ^2/NDF:9625819.1/58

All: 1258.141+/-0.110 χ^2/NDF: 17336202.6/



Right In: -79.214+/-42.385 χ^2/NDF: 16.2/28

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

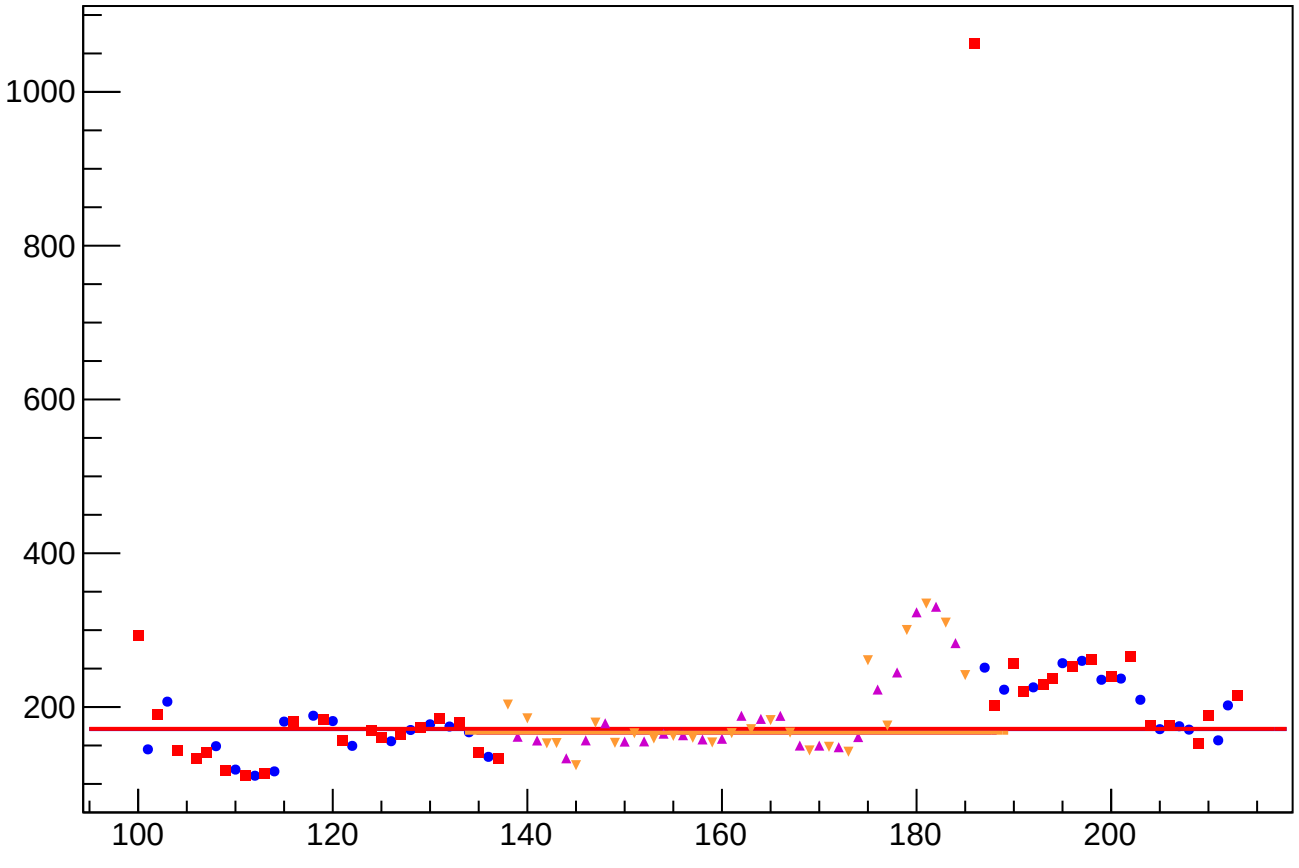
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -49.923+/-29.555 χ^2/NDF: 56.4/62

In: 11.286+/-29.154 χ^2/NDF:54.4/51

Out: 11.062+/-28.402 χ^2/NDF:62.9/58

All: 11.171+/-20.344 χ^2/NDF: 117.2/110



Right In: 171.322+/-0.030 χ^2/NDF: 1705660.8/28

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

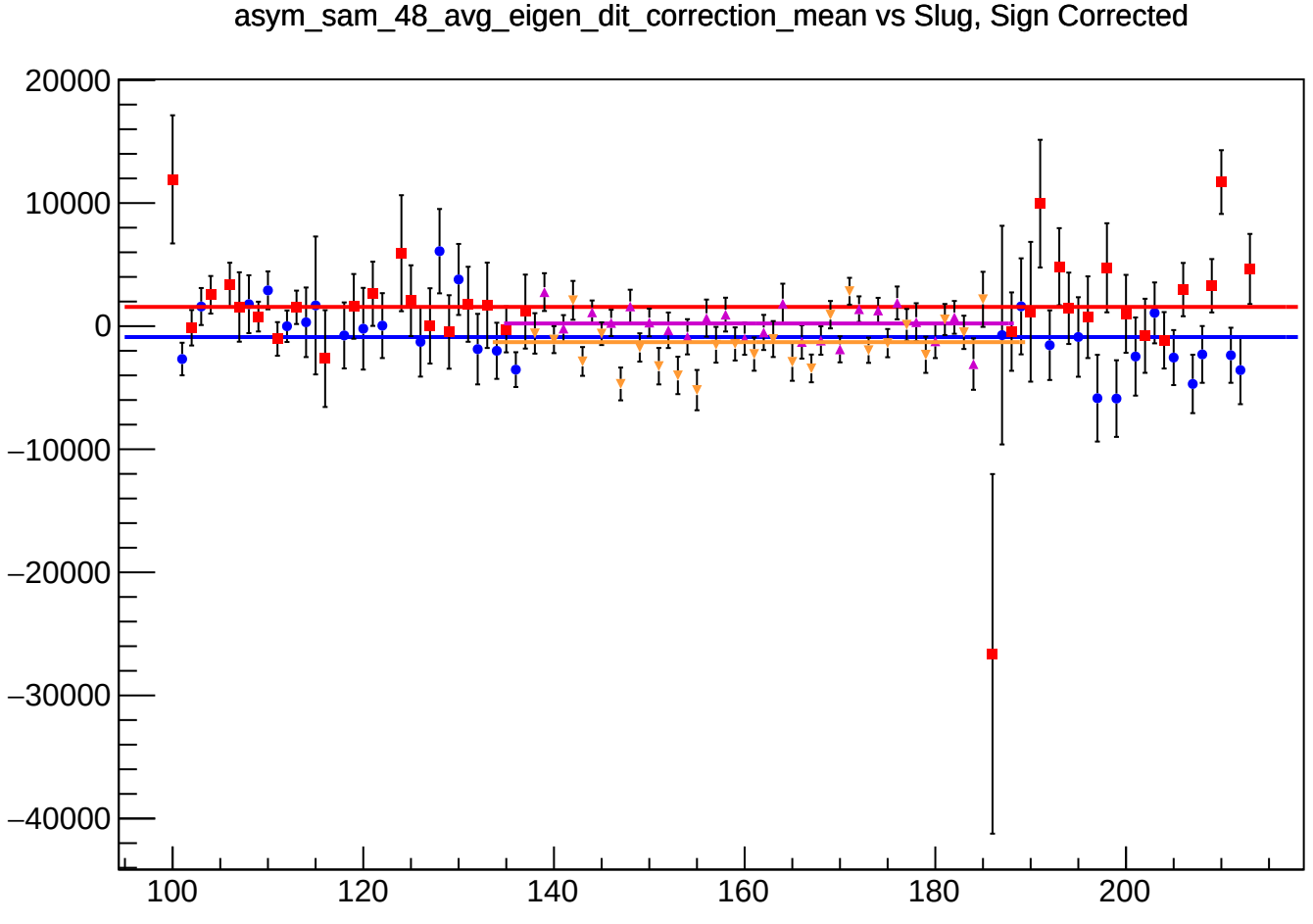
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 171.475+/-0.021 χ^2/NDF: 4463160.7/62

In: 168.680+/-0.021 χ^2/NDF:3112849.7/51

Out: 168.981+/-0.020 χ^2/NDF:4492869.7/58

All: 168.835+/-0.014 χ^2/NDF: 7605828.7/110



Right In: -885.208+/-424.679 χ^2/NDF: 34.4/28

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

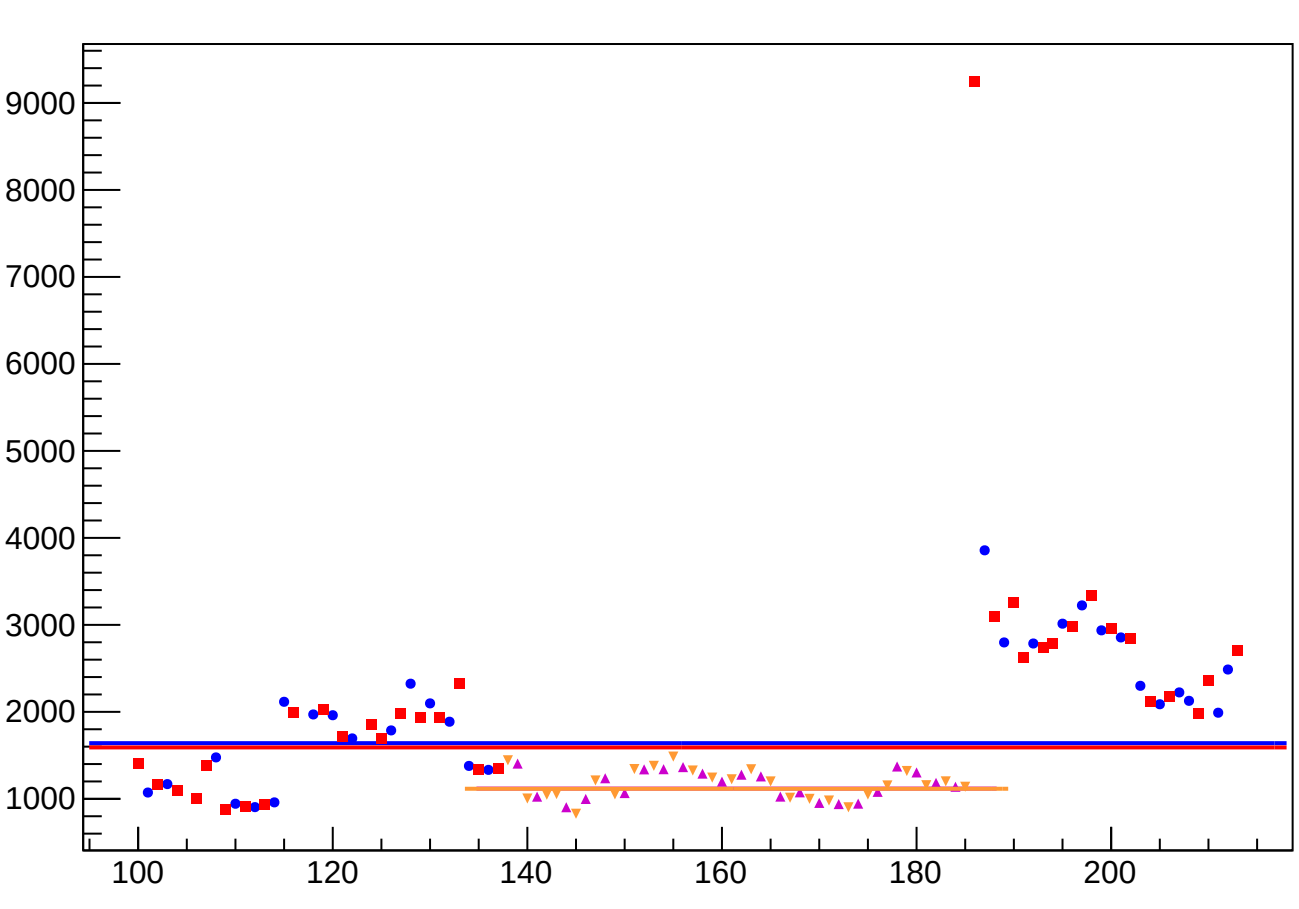
Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

Right: 399.963+/-292.656 χ^2/NDF: 94.8/62

In: -90.665+/-224.446 χ^2/NDF:61.5/51

Out: -474.008+/-216.798 χ^2/NDF:133.7/58

All: -288.979+/-155.933 χ^2/NDF: 196.7/110



Right In: 1640.167+/-0.300 χ^2/NDF: 4798122.6/28

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

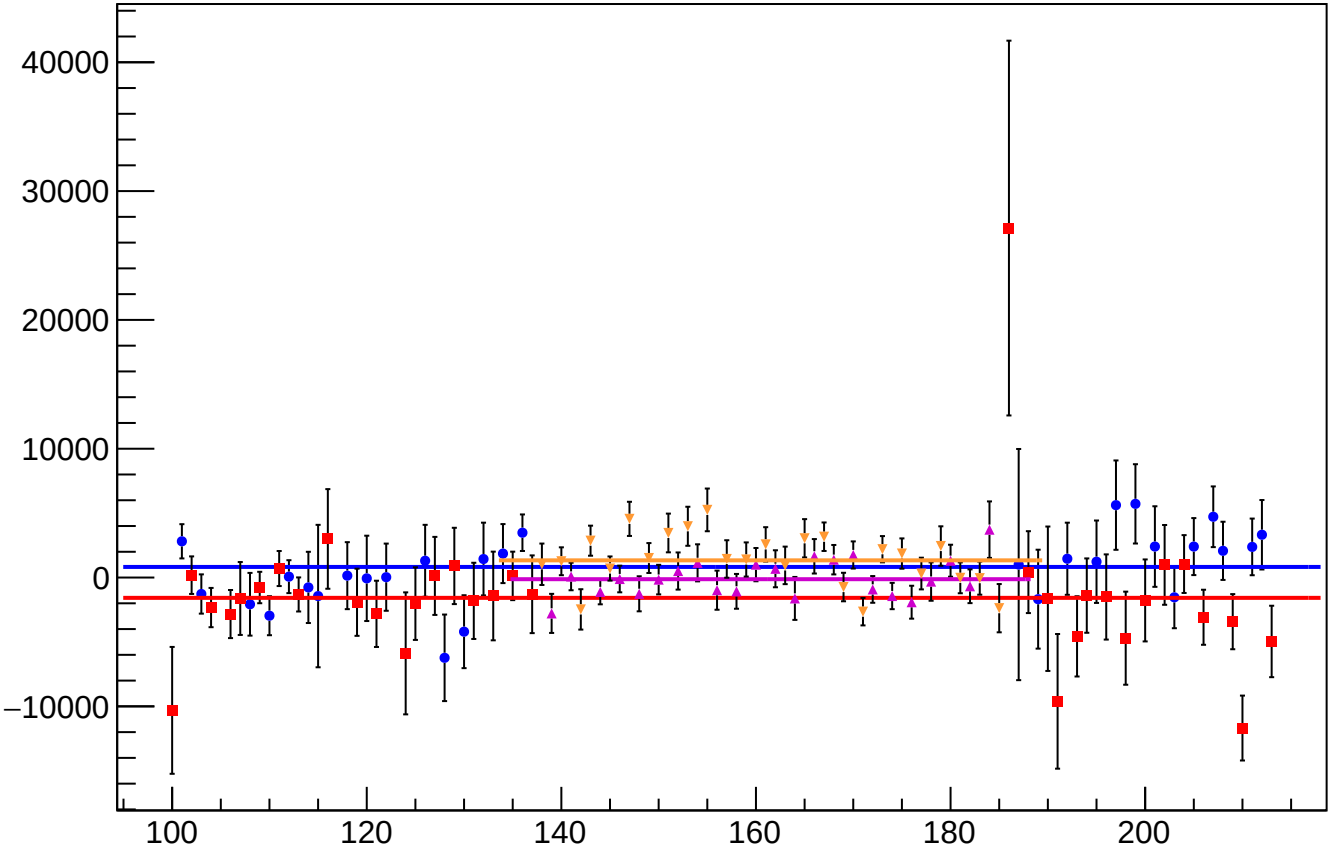
Right: 1614.387+/-0.207 χ^2/NDF: 11600775.6/62

In: 1263.729+/-0.159 χ^2/NDF:7707995.7/51

Out: 1252.923+/-0.153 χ^2/NDF:9625828.8/58

All: 1258.139+/-0.110 χ^2/NDF: 17336222.5/

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 823.175+/-422.044 χ^2/NDF: 35.3/28

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

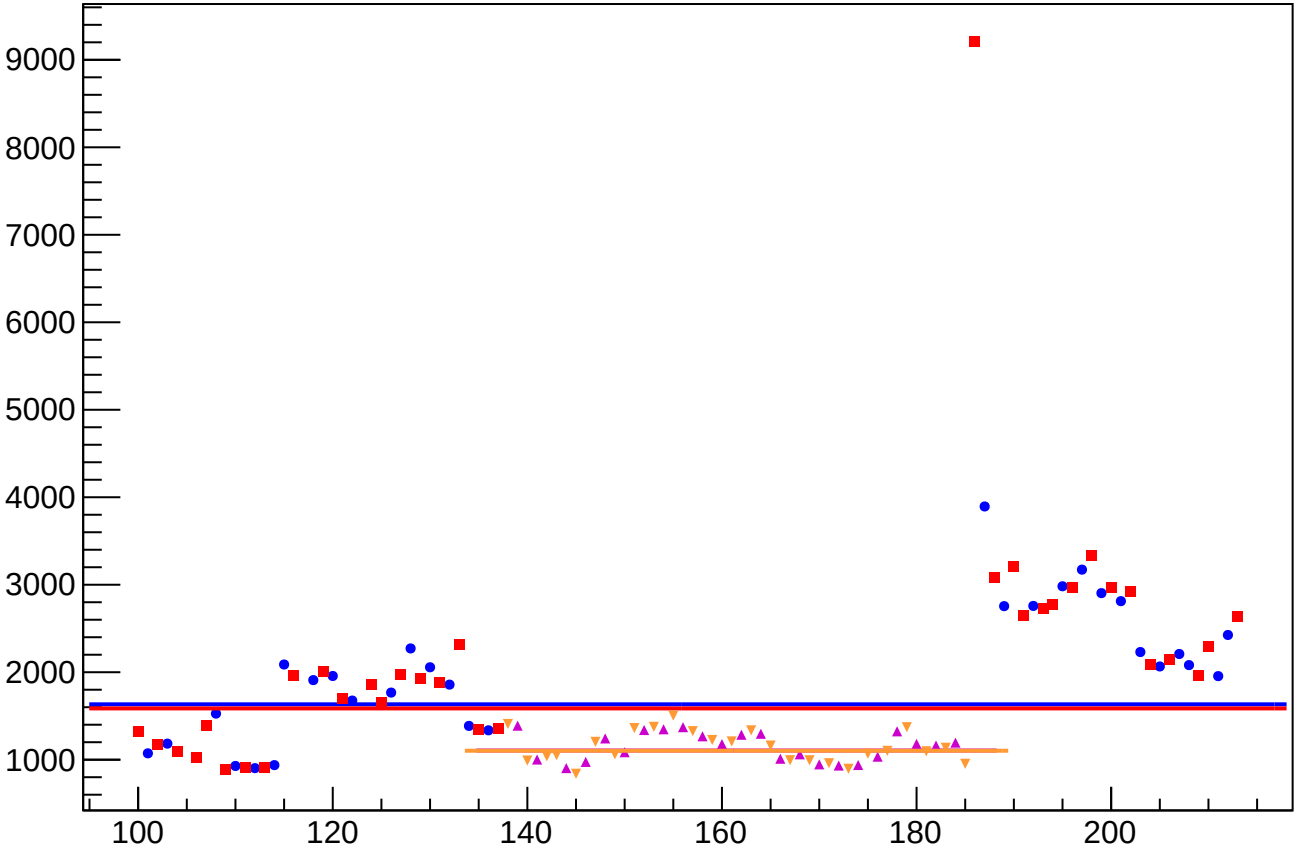
Right: -434.227+/-291.203 χ^2/NDF: 94.4/62

In: 135.475+/-222.237 χ^2/NDF:63.0/51

Out: 504.047+/-214.889 χ^2/NDF:135.2/58

All: 325.955+/-154.482 χ^2/NDF: 199.6/110

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1633.220+/-0.298 χ^2/NDF: 4655758.5/28

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

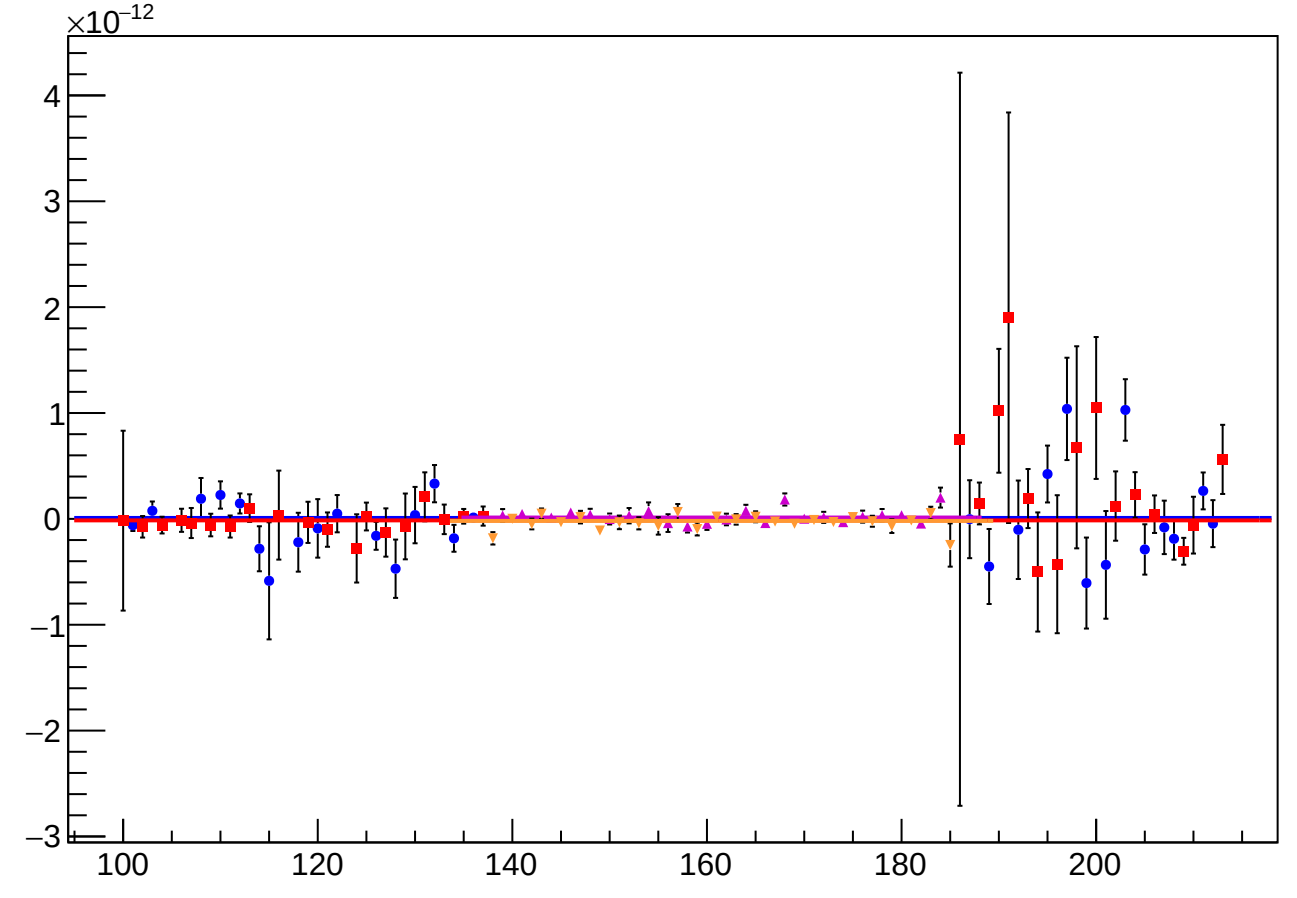
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1608.645+/-0.206 χ^2/NDF: 11373900.1/62

In: 1251.609+/-0.157 χ^2/NDF:7641553.5/51

Out: 1240.676+/-0.152 χ^2/NDF:9651163.5/58

All: 1245.959+/-0.109 χ^2/NDF: 17295218.4/1



Right In: 0.000+/-0.000 χ^2/NDF: 50.9/28

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

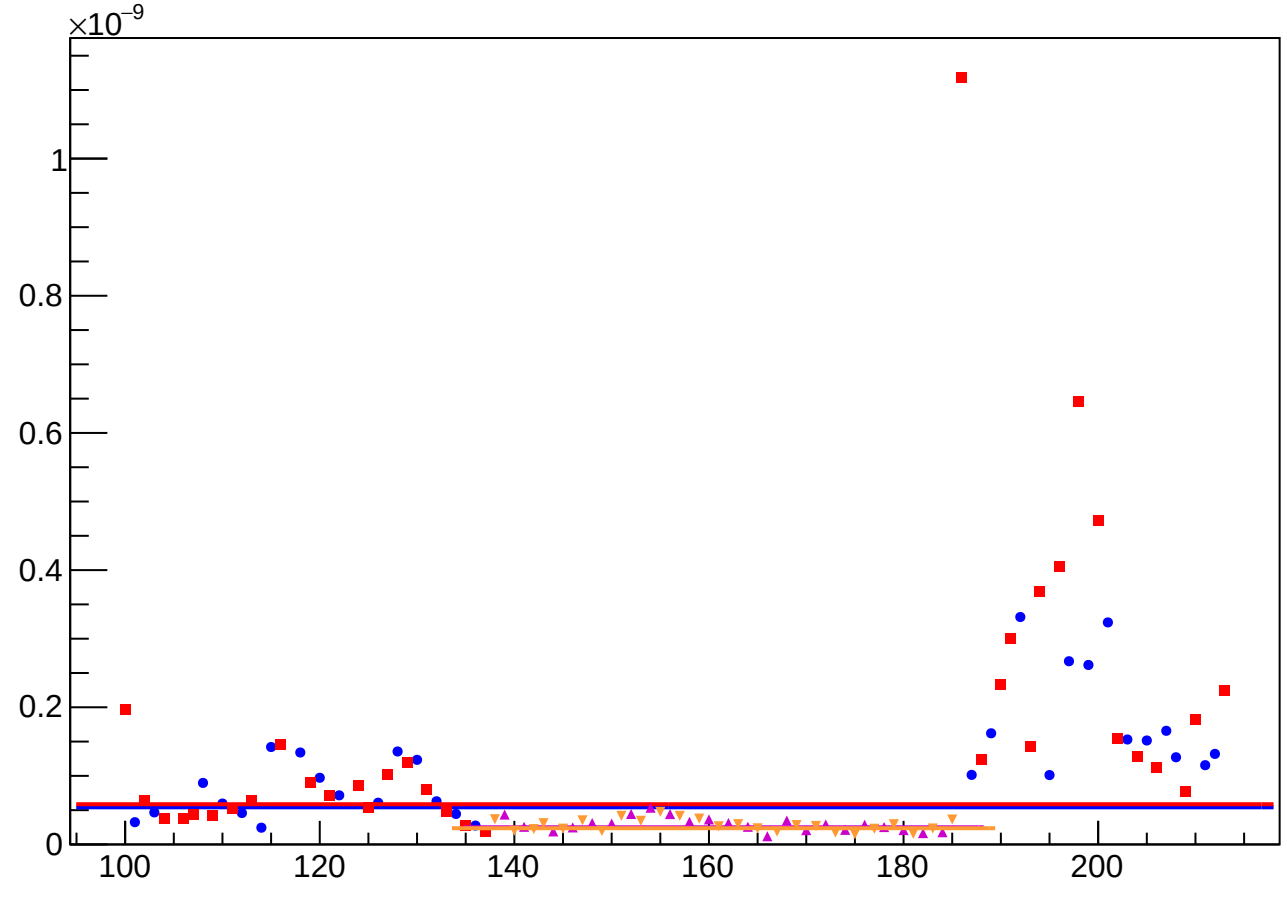
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 75.6/62

In: 0.000+/-0.000 χ^2/NDF:78.0/51

Out: -0.000+/-0.000 χ^2/NDF:50.8/58

All: -0.000+/-0.000 χ^2/NDF: 134.5/110



Right In: 0.000+/-0.000 χ^2/NDF: 5861884.1/28

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

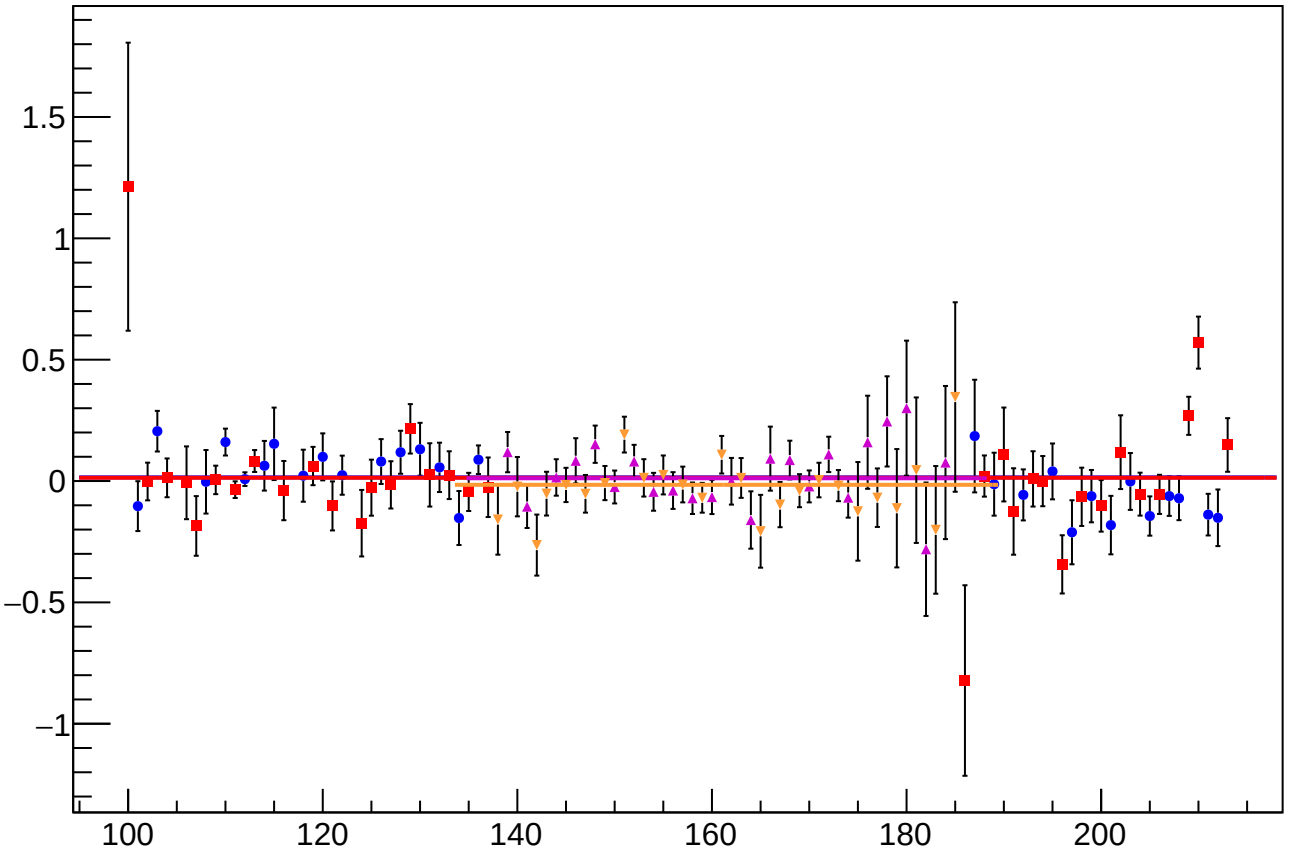
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 12423407.6/62

In: 0.000+/-0.000 χ^2/NDF:9692101.1/51

Out: 0.000+/-0.000 χ^2/NDF:11027725.8/58

All: 0.000+/-0.000 χ^2/NDF: 20754867.2/110



Right In: 0.015+/-0.015 χ^2/NDF: 40.4/28

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

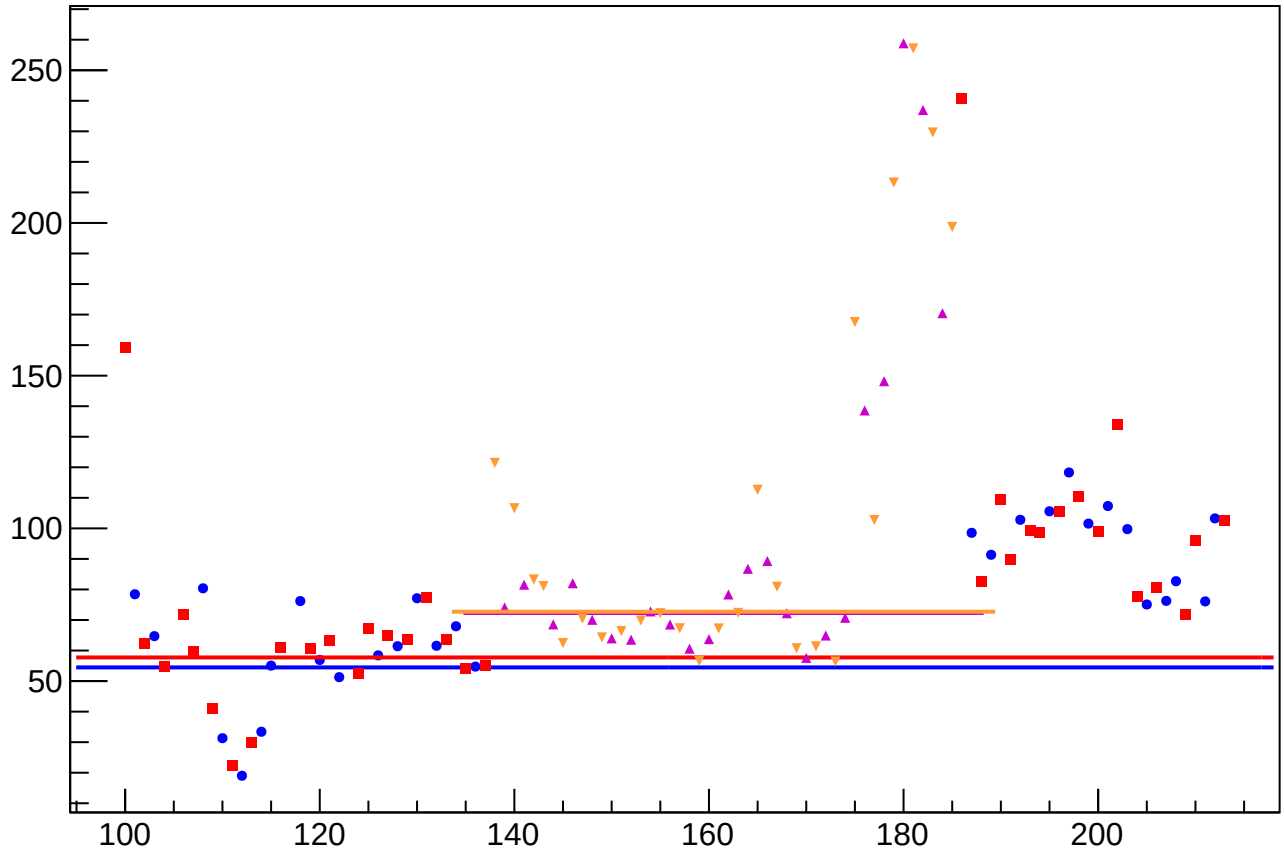
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.014+/-0.011 χ^2/NDF: 116.9/62

In: 0.014+/-0.012 χ^2/NDF:63.8/51

Out: 0.001+/-0.012 χ^2/NDF:99.6/58

All: 0.007+/-0.008 χ^2/NDF: 163.9/110



Right In: 54.479+/-0.011 χ^2/NDF: 7583058.8/28

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

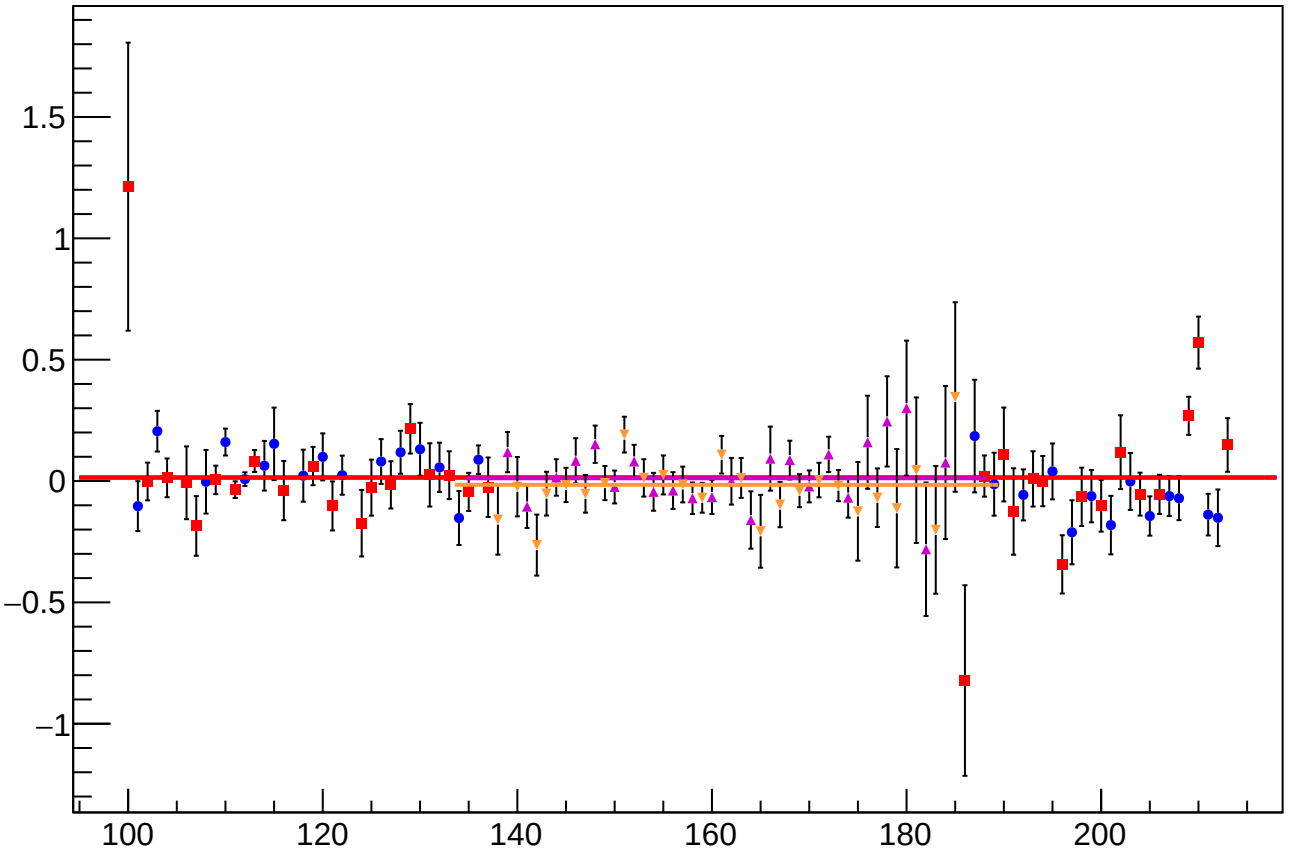
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 56.114+/-0.008 χ^2/NDF: 14694945.2/62

In: 61.773+/-0.008 χ^2/NDF:11498862.3/51

Out: 63.952+/-0.008 χ^2/NDF:11840670.2/58

All: 62.873+/-0.006 χ^2/NDF: 23374682.7/110



Right In: 0.015+/-0.015 χ^2/NDF: 40.4/28

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

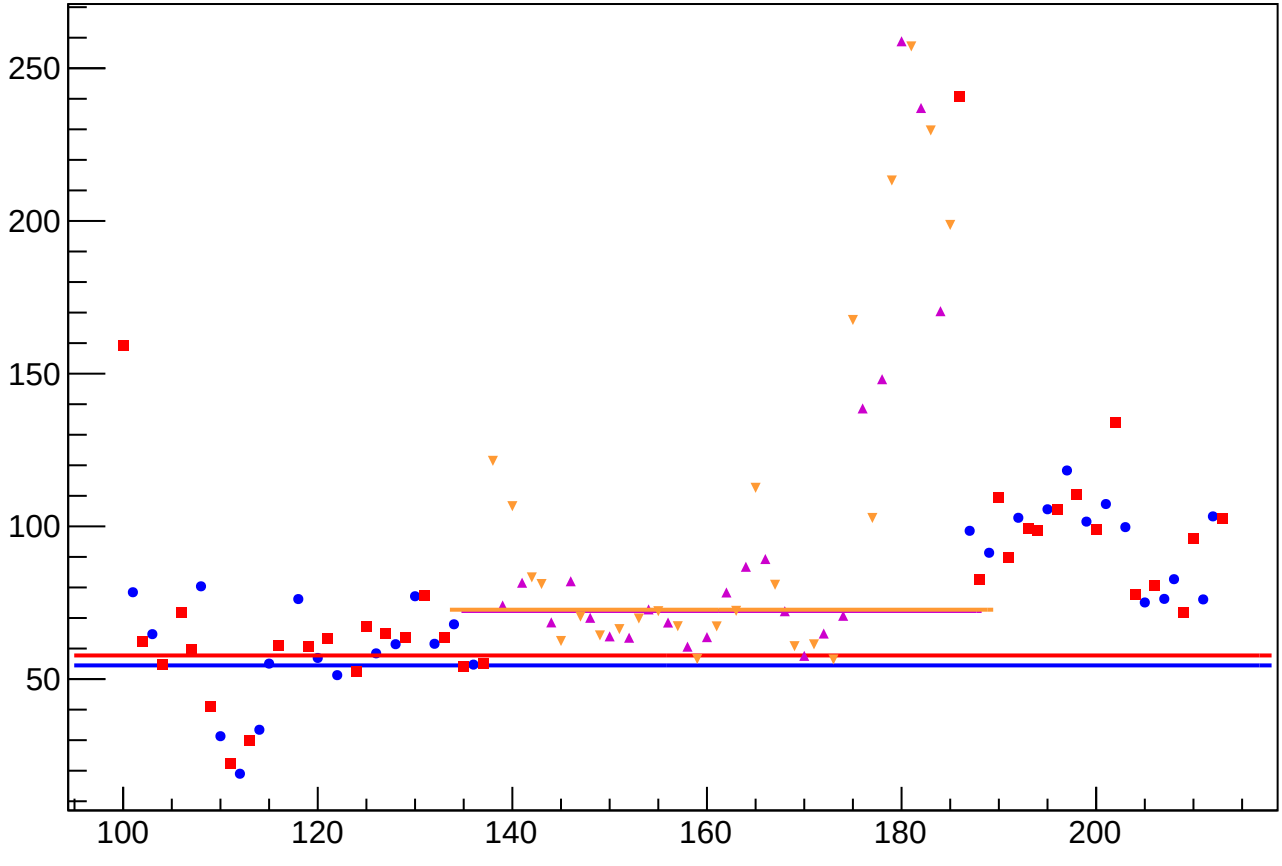
Right: 0.014+/-0.011 χ^2/NDF: 116.9/62

In: 0.014+/-0.012 χ^2/NDF:63.8/51

Out: 0.001+/-0.012 χ^2/NDF:99.6/58

All: 0.007+/-0.008 χ^2/NDF: 163.9/110

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.479+/-0.011 χ^2/NDF: 7583058.8/28

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

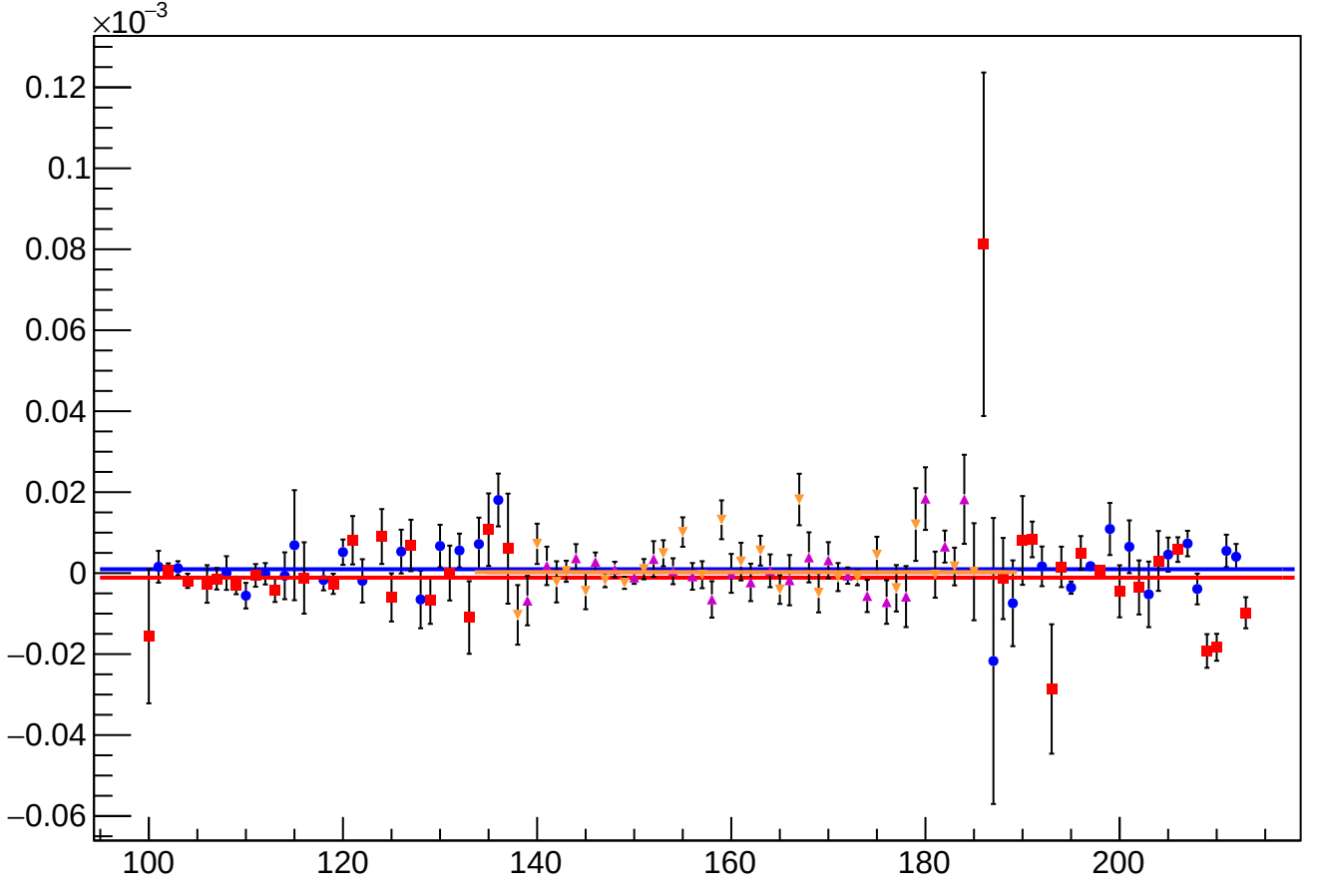
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 56.114+/-0.008 χ^2/NDF: 14694945.2/62

In: 61.773+/-0.008 χ^2/NDF:11498862.3/51

Out: 63.952+/-0.008 χ^2/NDF:11840670.2/58

All: 62.873+/-0.006 χ^2/NDF: 23374682.7/110



Right In: 0.000+/-0.000 χ^2/NDF: 42.8/28

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

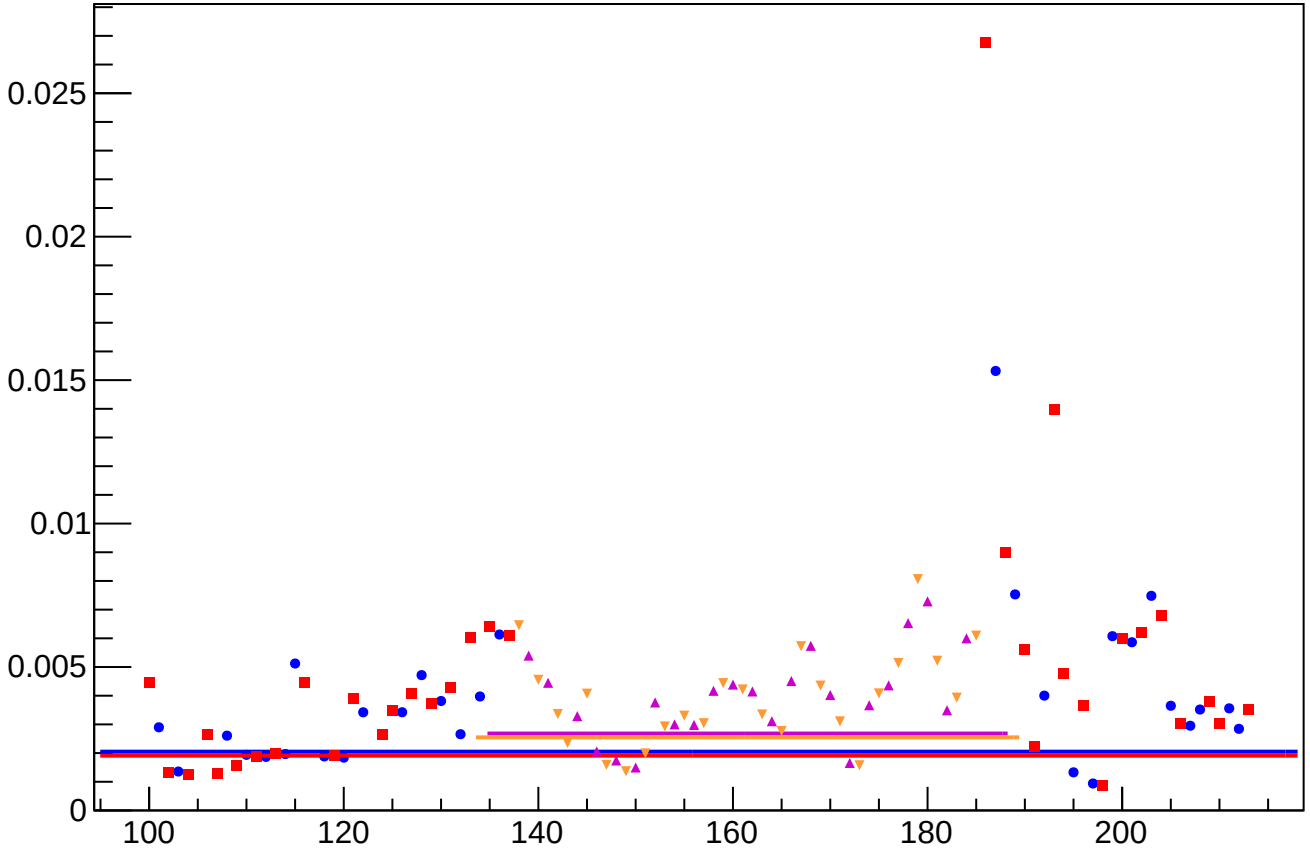
Right: -0.000+/-0.000 χ^2/NDF: 139.6/62

In: 0.000+/-0.000 χ^2/NDF:67.4/51

Out: -0.000+/-0.000 χ^2/NDF:136.2/58

All: 0.000+/-0.000 χ^2/NDF: 207.5/110

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 9083109.9/28

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

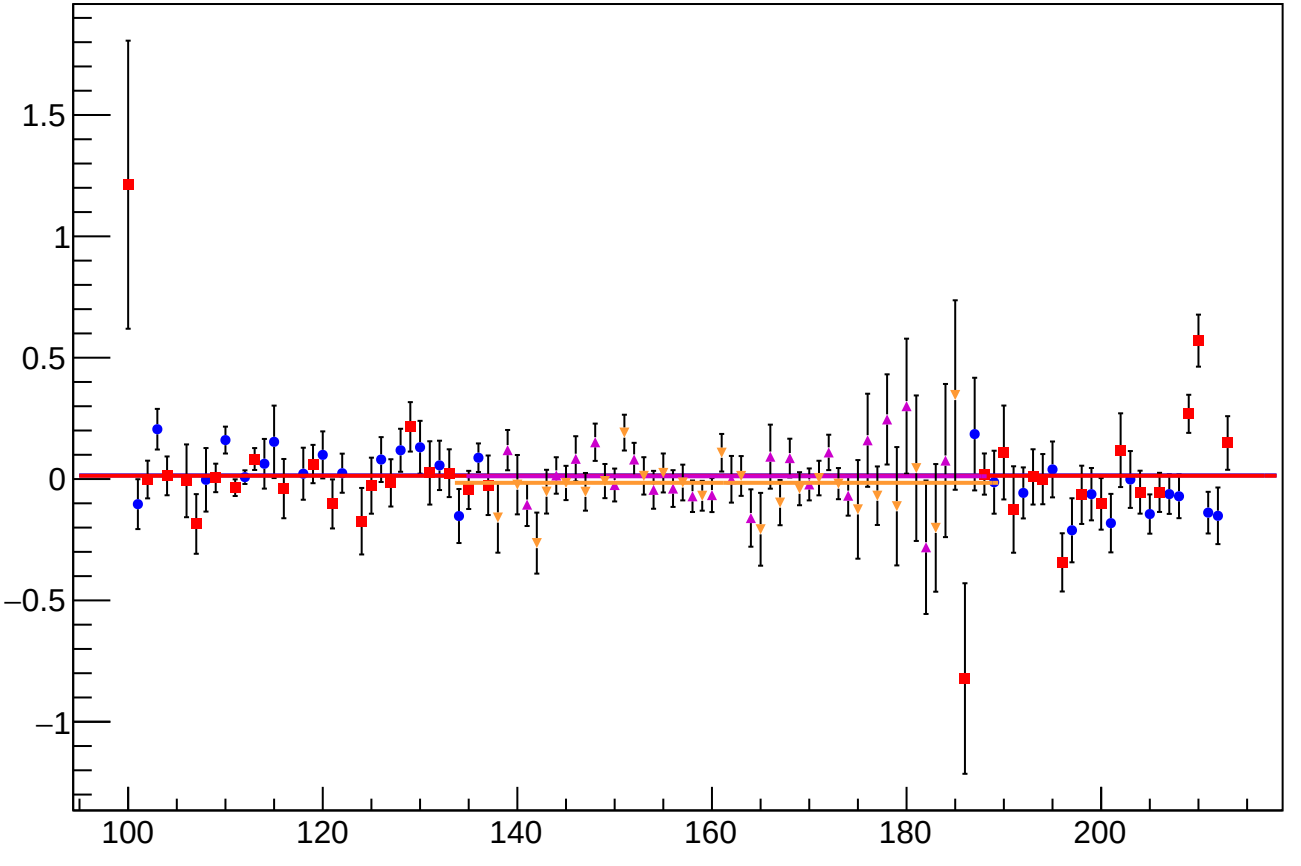
Right: 0.002+/-0.000 χ^2/NDF: 22260973.1/62

In: 0.002+/-0.000 χ^2/NDF:16522854.7/51

Out: 0.002+/-0.000 χ^2/NDF:21722436.7/58

All: 0.002+/-0.000 χ^2/NDF: 38339529.5/110

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.015 χ^2/NDF: 40.4/28

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

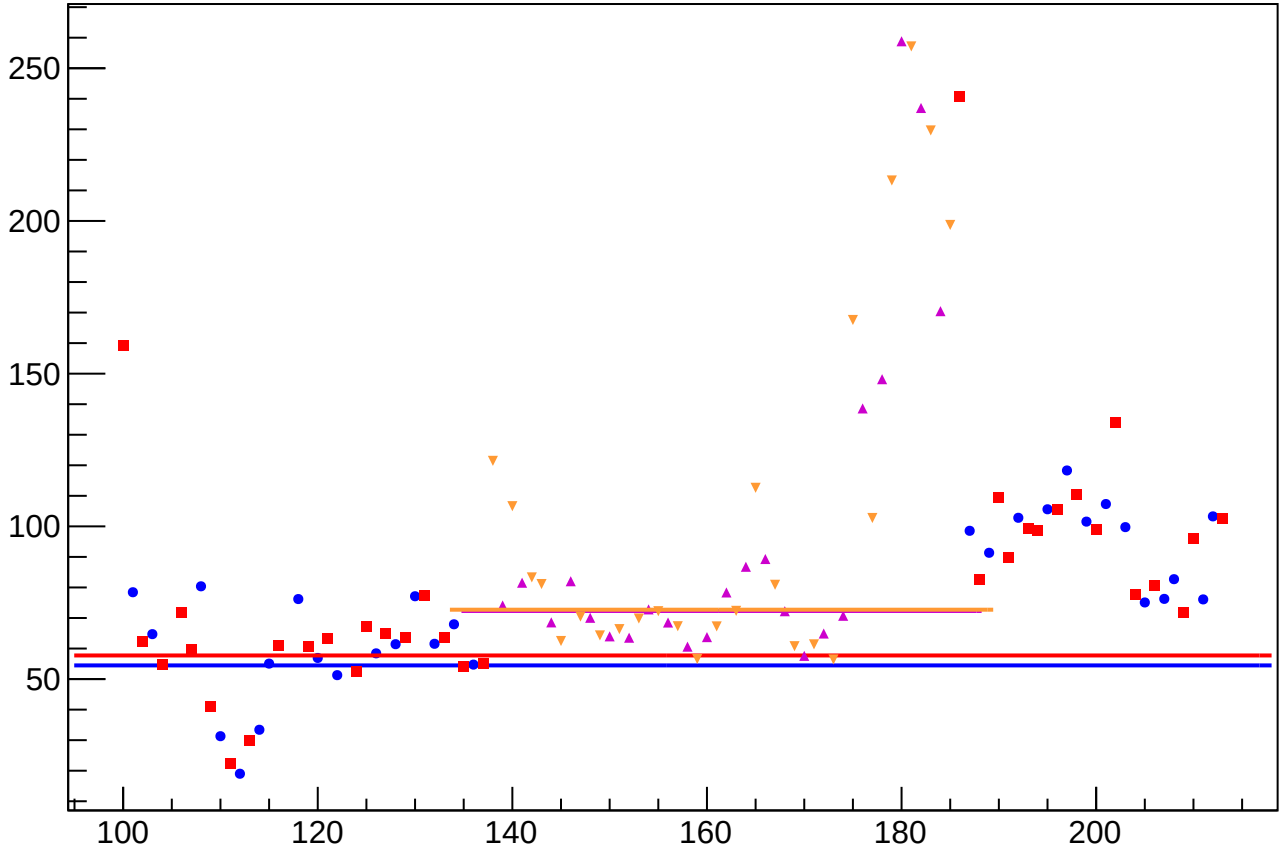
Right: 0.014+/-0.011 χ^2/NDF: 116.9/62

In: 0.014+/-0.012 χ^2/NDF:63.8/51

Out: 0.001+/-0.012 χ^2/NDF:99.6/58

All: 0.007+/-0.008 χ^2/NDF: 163.9/110

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.478+/-0.011 χ^2/NDF: 7583352.8/28

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

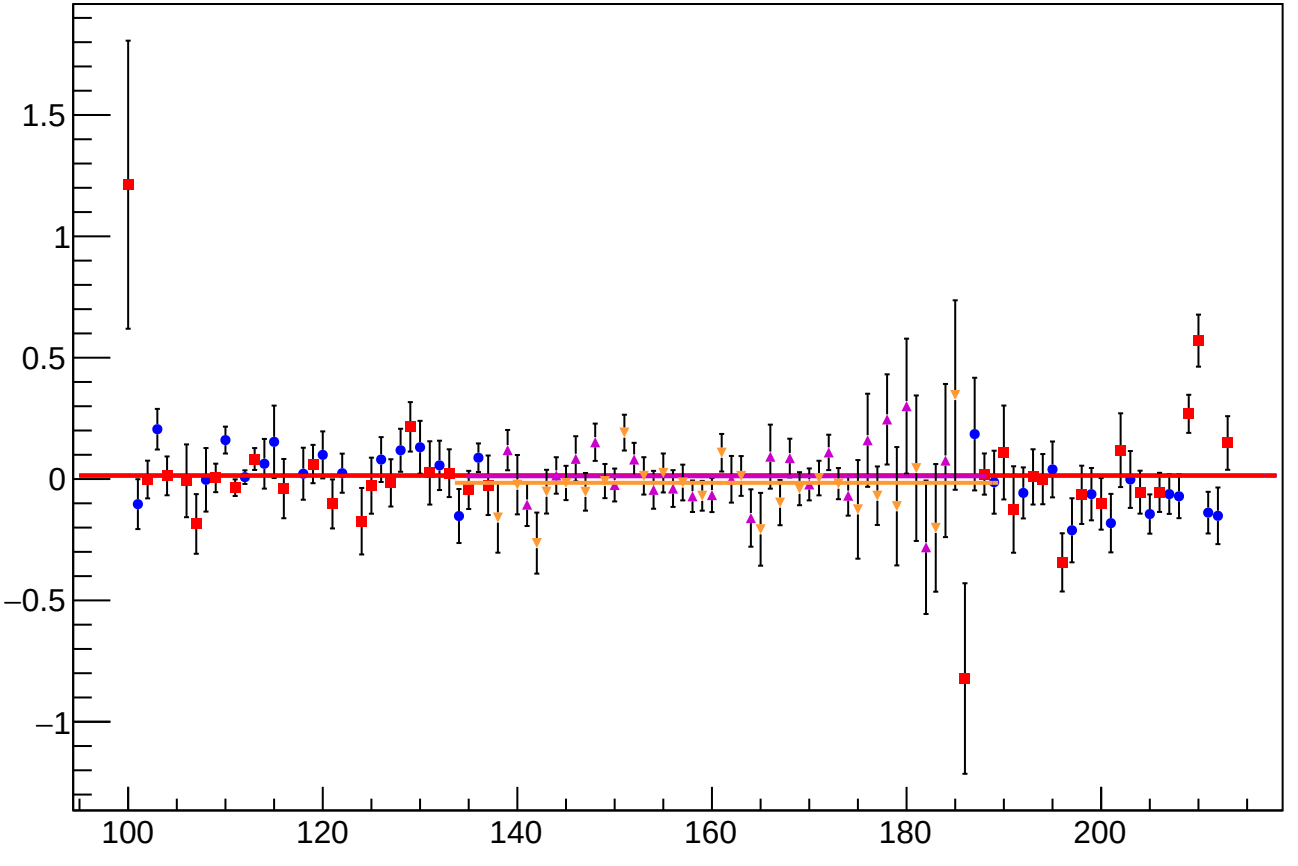
Right: 56.114+/-0.008 χ^2/NDF: 14695572.6/62

In: 61.772+/-0.008 χ^2/NDF:11499285.2/51

Out: 63.952+/-0.008 χ^2/NDF:11841106.6/58

All: 62.872+/-0.006 χ^2/NDF: 23375545.1/110

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.015 χ^2/NDF: 40.4/28

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

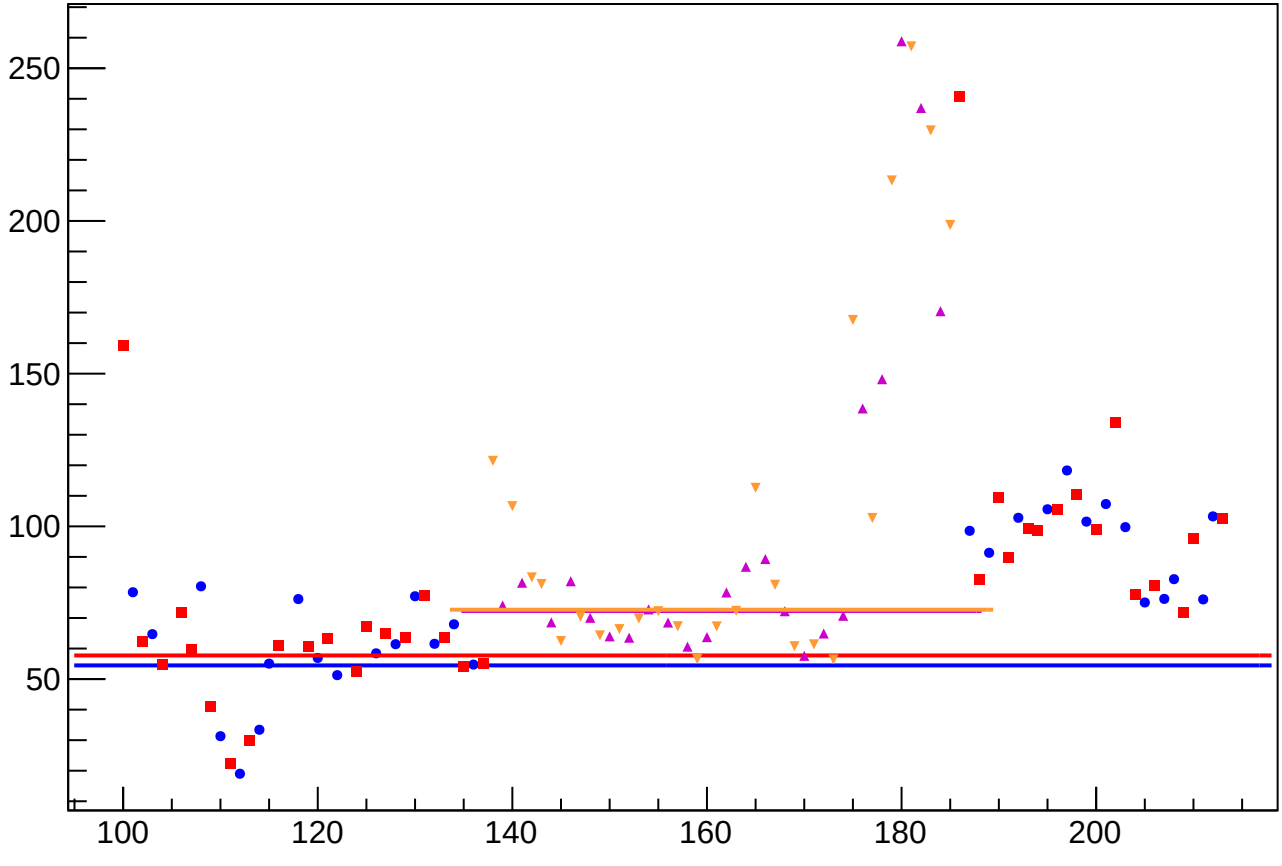
Right: 0.014+/-0.011 χ^2/NDF: 116.9/62

In: 0.014+/-0.012 χ^2/NDF:63.8/51

Out: 0.001+/-0.012 χ^2/NDF:99.6/58

All: 0.007+/-0.008 χ^2/NDF: 163.9/110

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.478+/-0.011 χ^2/NDF: 7583352.8/28

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

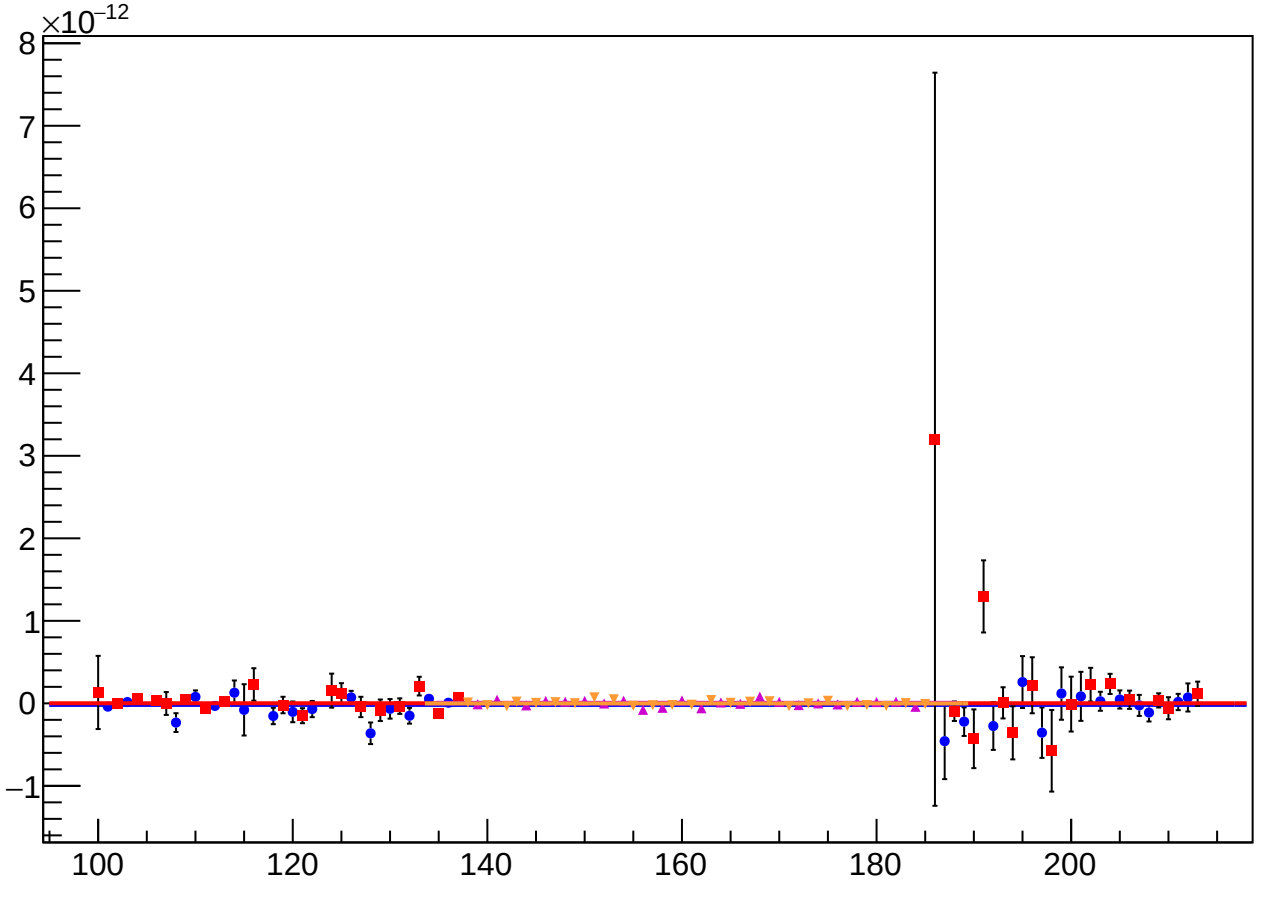
Right: 56.114+/-0.008 χ^2/NDF: 14695572.6/62

In: 61.772+/-0.008 χ^2/NDF:11499285.2/51

Out: 63.952+/-0.008 χ^2/NDF:11841106.6/58

All: 62.872+/-0.006 χ^2/NDF: 23375545.1/110

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/28

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

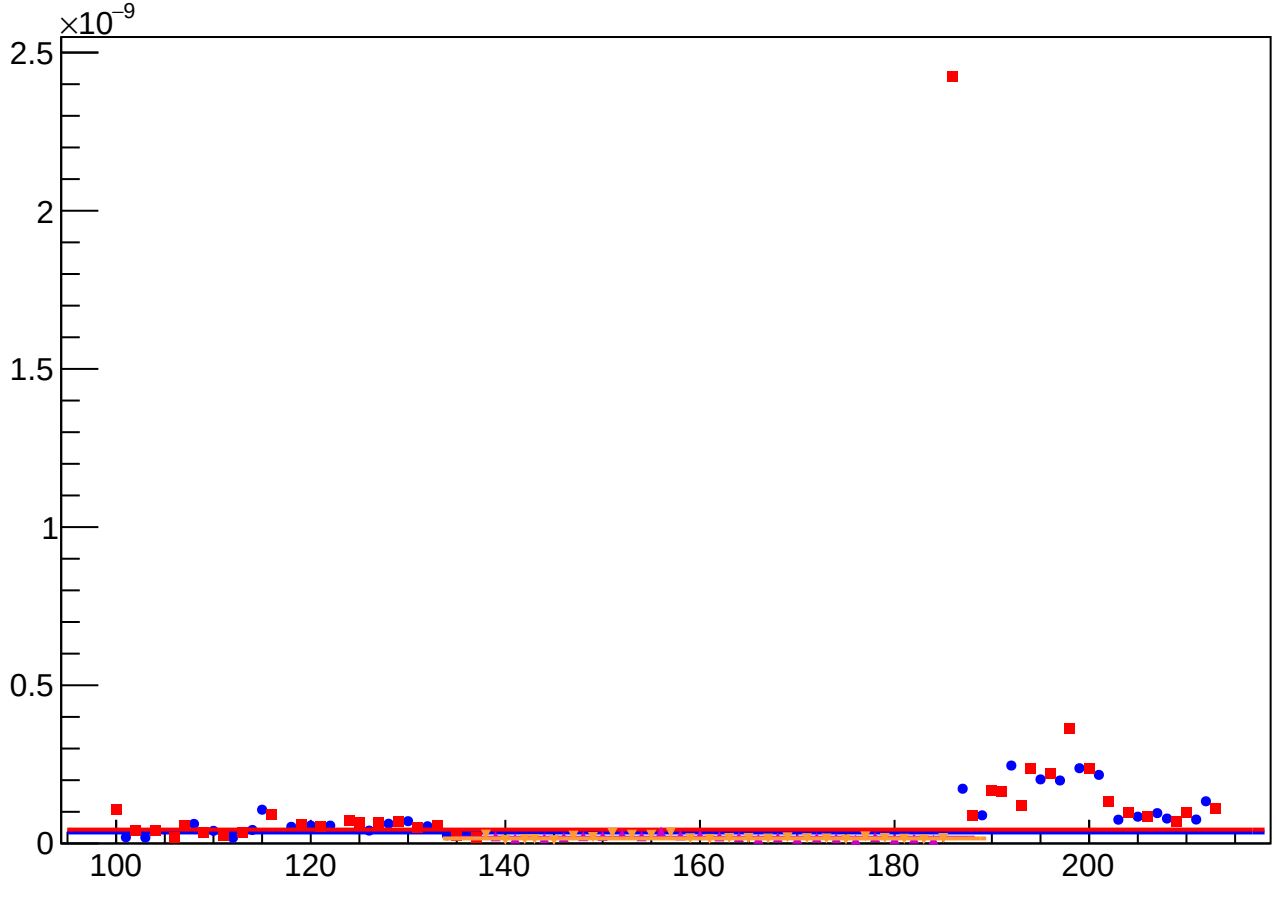
Right: -0.000+/-0.000 χ^2/NDF: 74.9/62

In: 0.000+/-0.000 χ^2/NDF:71.2/51

Out: -0.000+/-0.000 χ^2/NDF:71.8/58

All: 0.000+/-0.000 χ^2/NDF: 143.4/110

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8923731.8/28

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

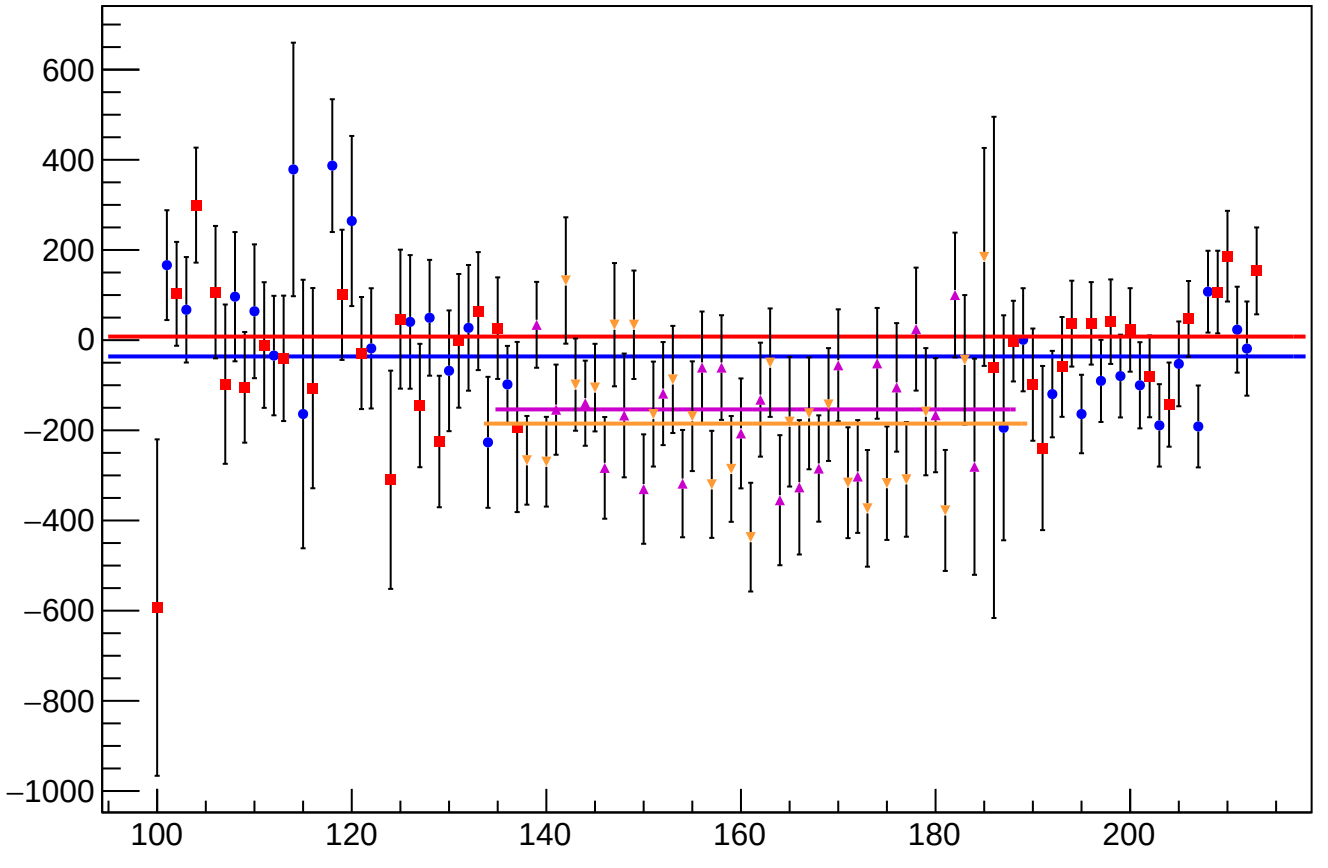
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 17885312.8/62

In: 0.000+/-0.000 χ^2/NDF:13110111.9/51

Out: 0.000+/-0.000 χ^2/NDF:16871721.0/58

All: 0.000+/-0.000 χ^2/NDF: 30200270.6/110



Right In: -36.155+/-21.305 χ^2/NDF: 34.4/28

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

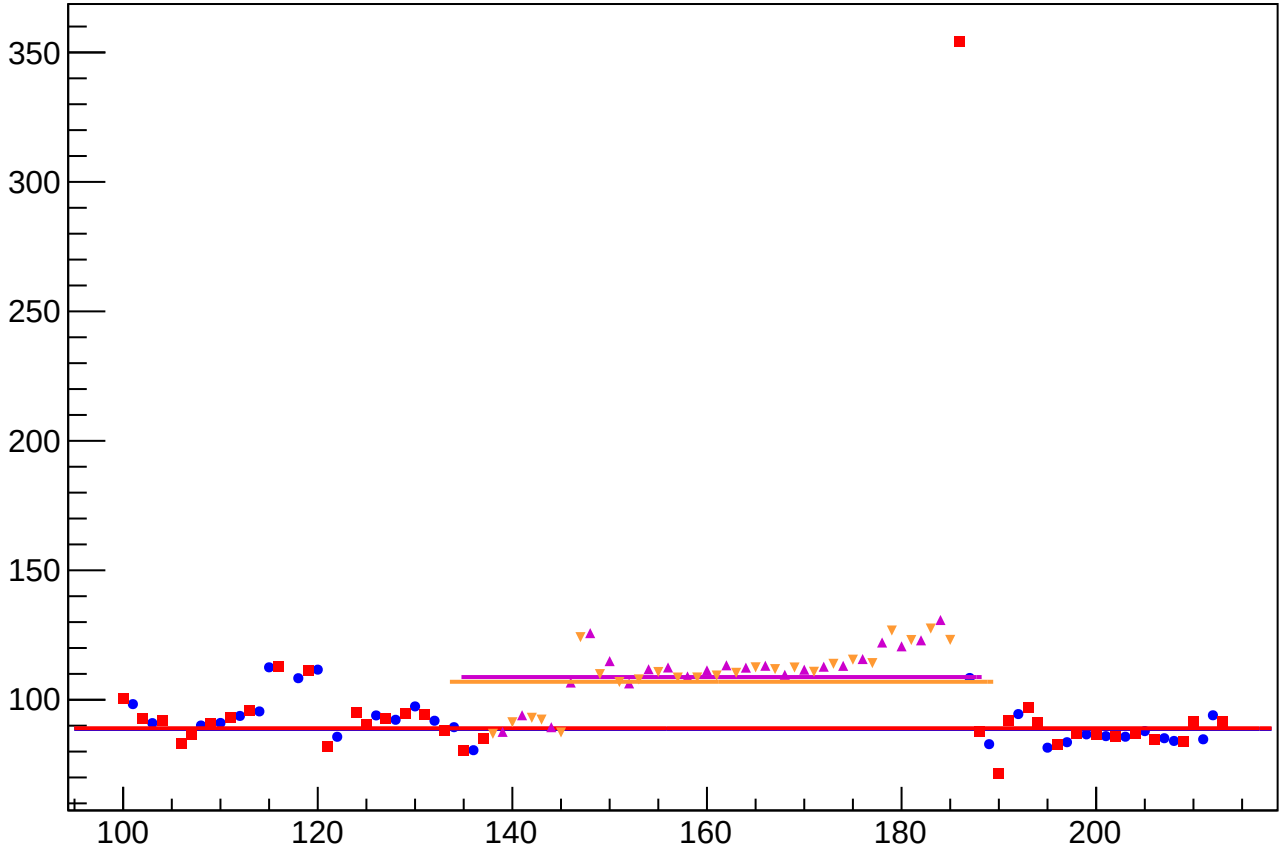
Right: -13.345+/-14.798 χ^2/NDF: 68.2/62

In: -84.362+/-16.360 χ^2/NDF:70.4/51

Out: -72.084+/-15.740 χ^2/NDF:101.2/58

All: -77.987+/-11.343 χ^2/NDF: 171.9/110

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.723+/-0.015 χ^2/NDF: 195537.5/28

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

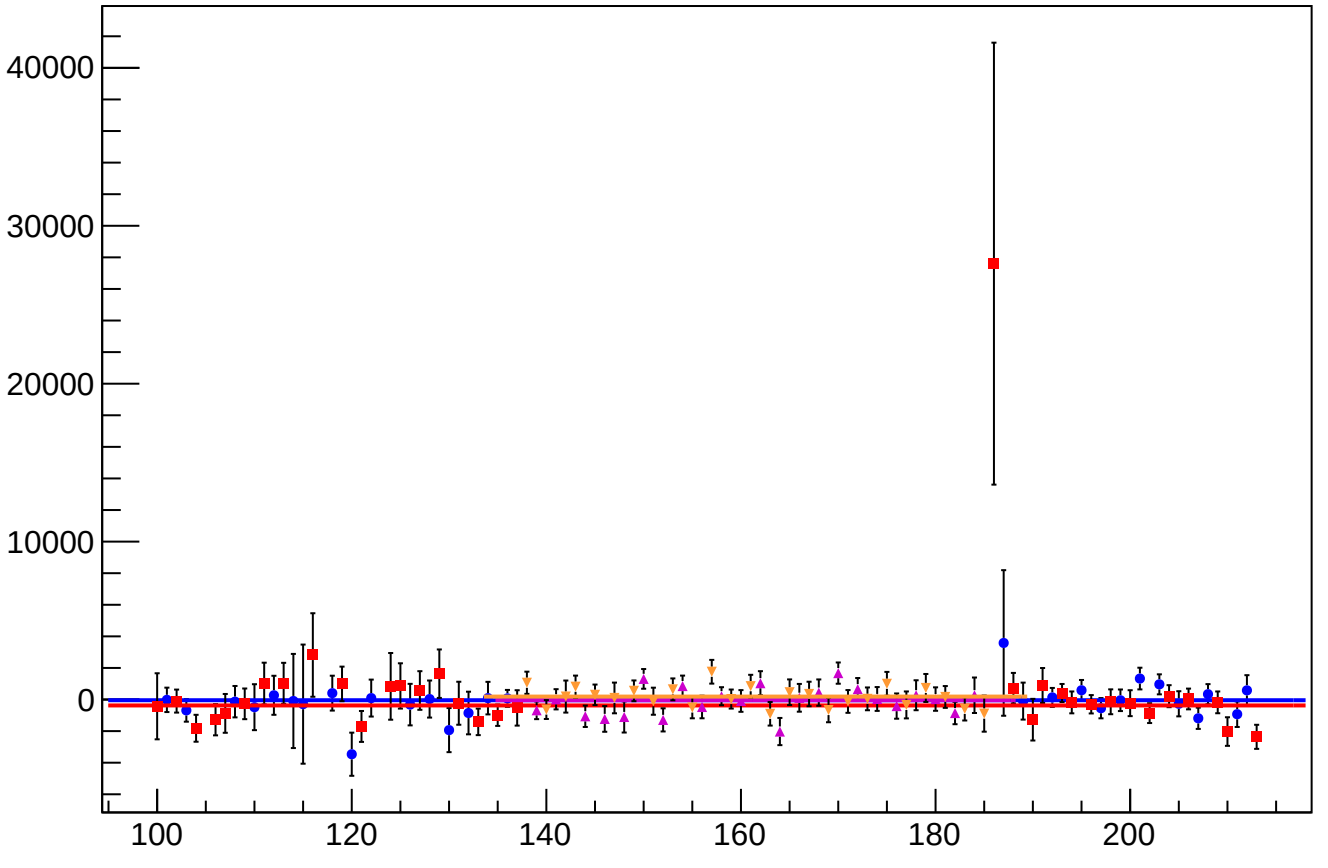
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.867+/-0.010 χ^2/NDF: 848089.9/62

In: 96.954+/-0.012 χ^2/NDF:1281404.3/51

Out: 96.440+/-0.011 χ^2/NDF:1748037.1/58

All: 96.687+/-0.008 χ^2/NDF: 3030466.7/110



Right In: -44.110+/-160.583 χ^2/NDF: 23.5/28

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

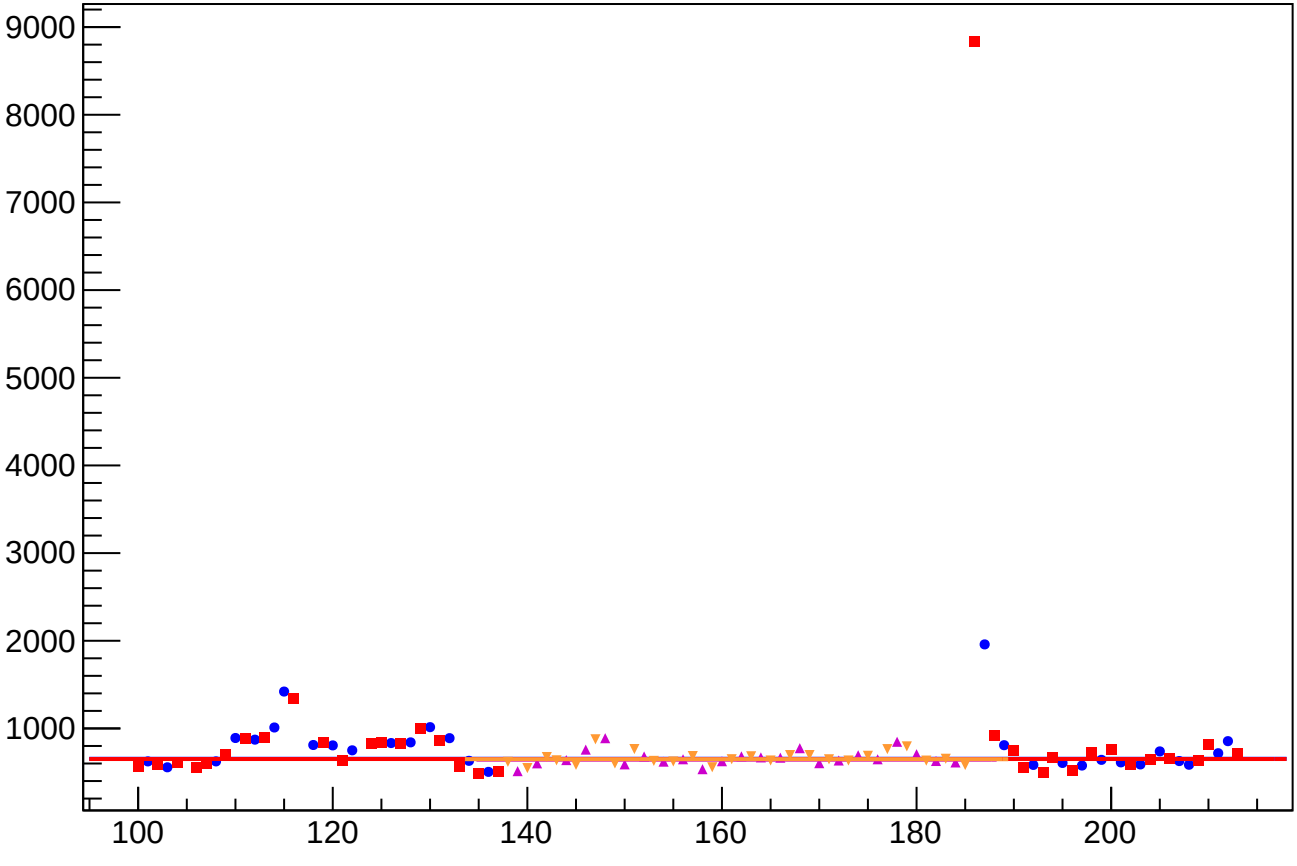
Right: -215.514+/-111.413 χ^2/NDF: 63.7/62

In: -43.656+/-110.412 χ^2/NDF:57.2/51

Out: -83.198+/-107.251 χ^2/NDF:63.9/58

All: -64.001+/-76.931 χ^2/NDF: 121.1/110

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 653.938+/-0.114 χ^2/NDF: 1225247.0/28

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

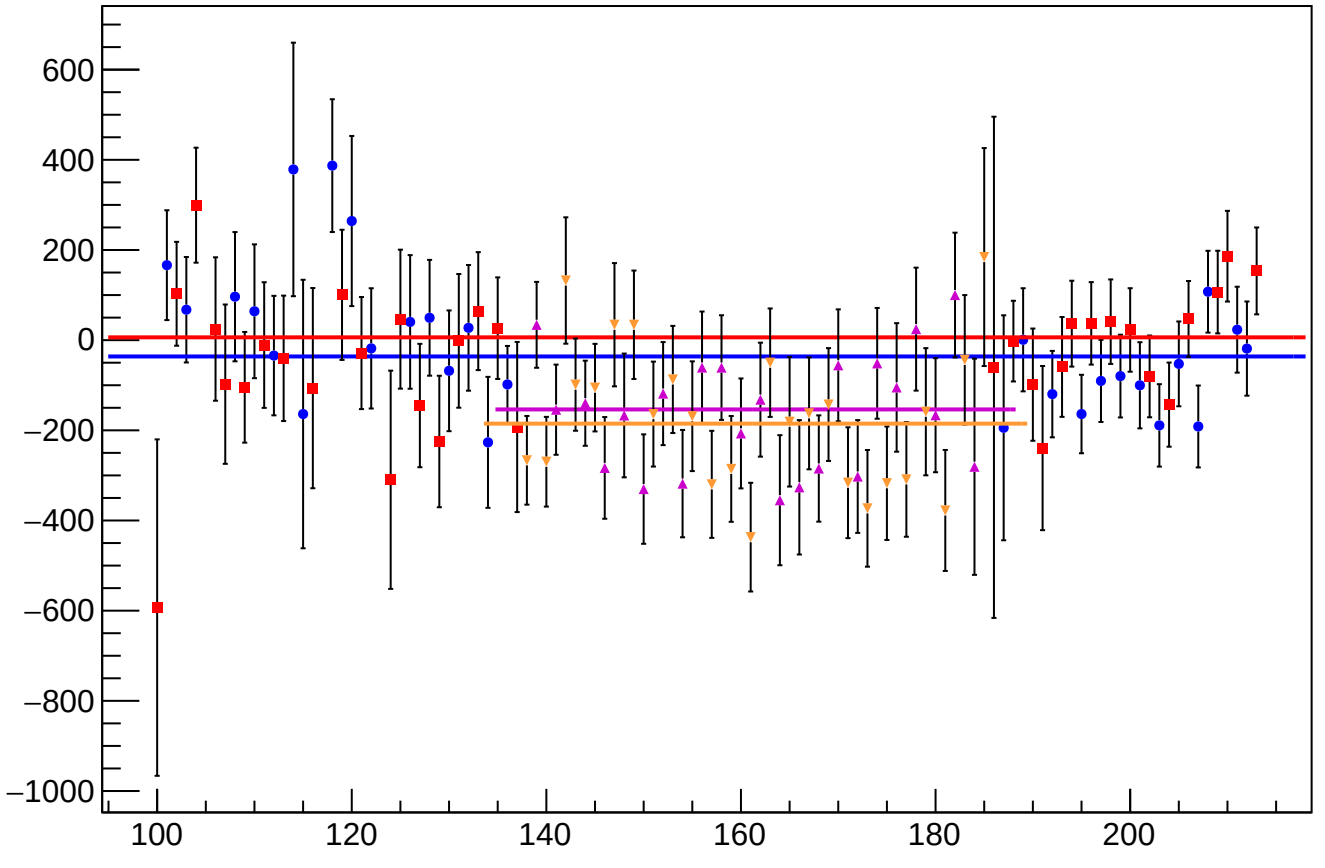
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 652.497+/-0.079 χ^2/NDF: 3279611.6/62

In: 648.736+/-0.078 χ^2/NDF:1788347.4/51

Out: 650.136+/-0.076 χ^2/NDF:2472587.3/58

All: 649.457+/-0.054 χ^2/NDF: 4261100.1/110



Right In: -36.154+/-21.305 χ^2/NDF: 34.4/28

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

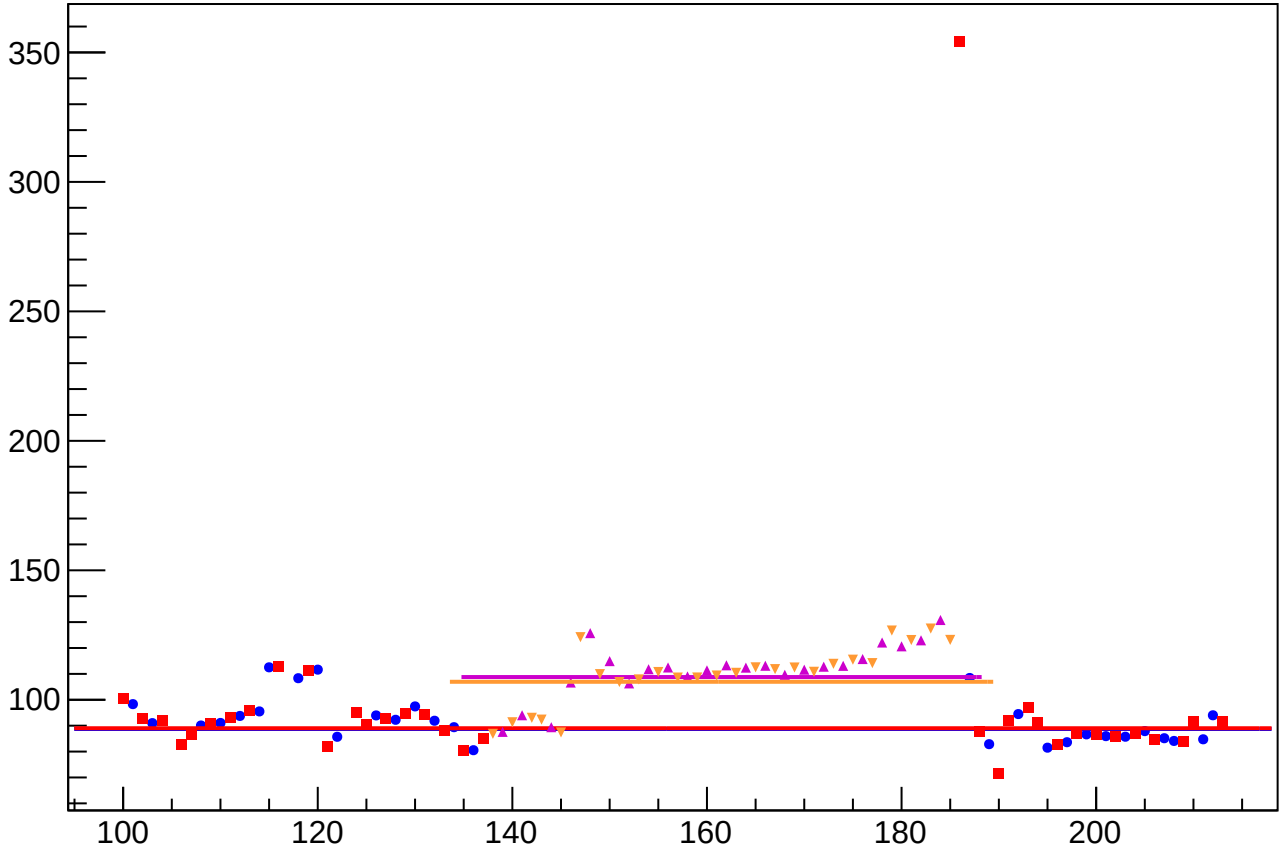
Right: -14.235+/-14.809 χ^2/NDF: 67.6/62

In: -84.364+/-16.360 χ^2/NDF:70.4/51

Out: -73.193+/-15.754 χ^2/NDF:100.1/58

All: -78.567+/-11.348 χ^2/NDF: 170.7/110

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.723+/-0.015 χ^2/NDF: 195537.5/28

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

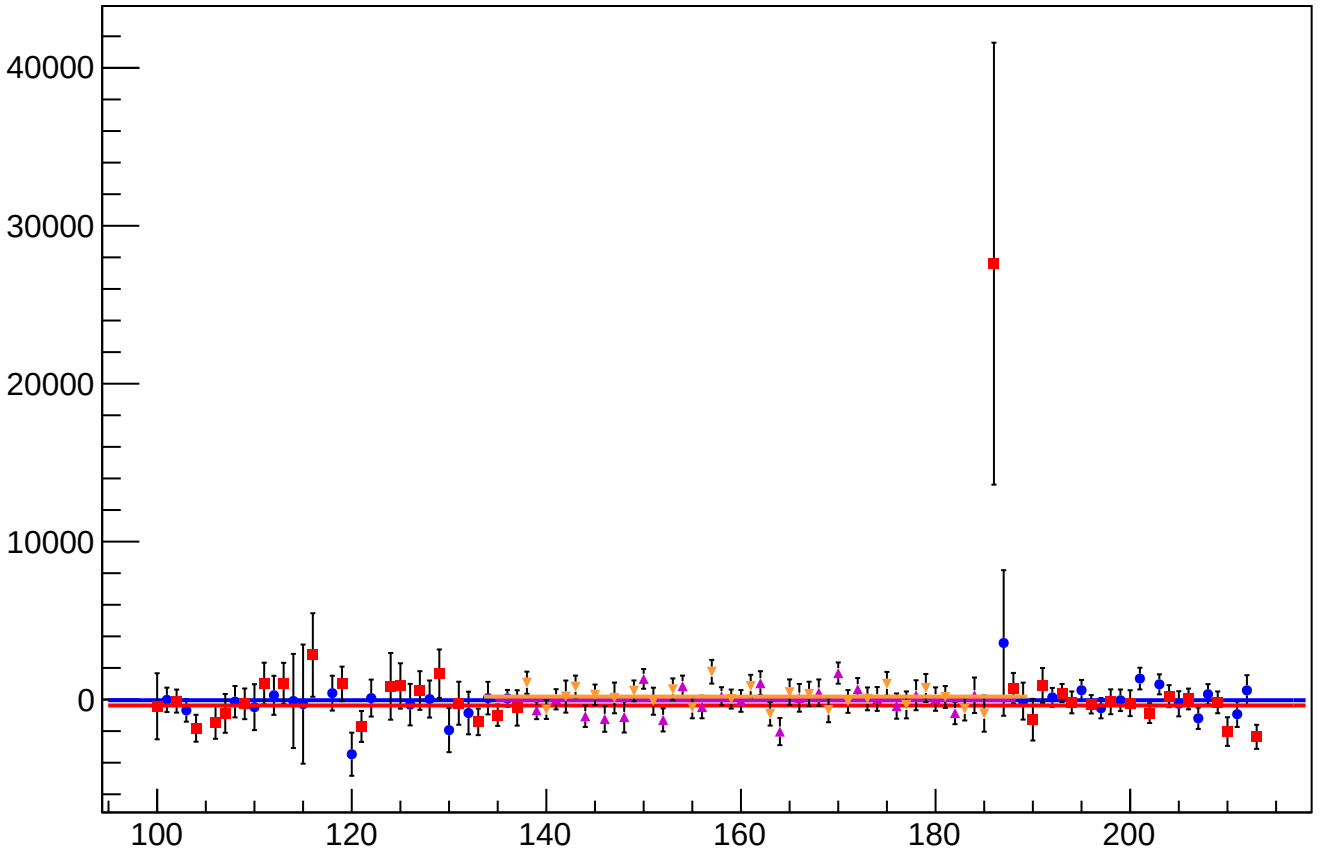
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.871+/-0.010 χ^2/NDF: 848163.8/62

In: 96.954+/-0.012 χ^2/NDF:1281404.3/51

Out: 96.457+/-0.011 χ^2/NDF:1746795.1/58

All: 96.696+/-0.008 χ^2/NDF: 3029156.4/110



Right In: -44.111+/-160.583 χ^2/NDF: 23.5/28

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

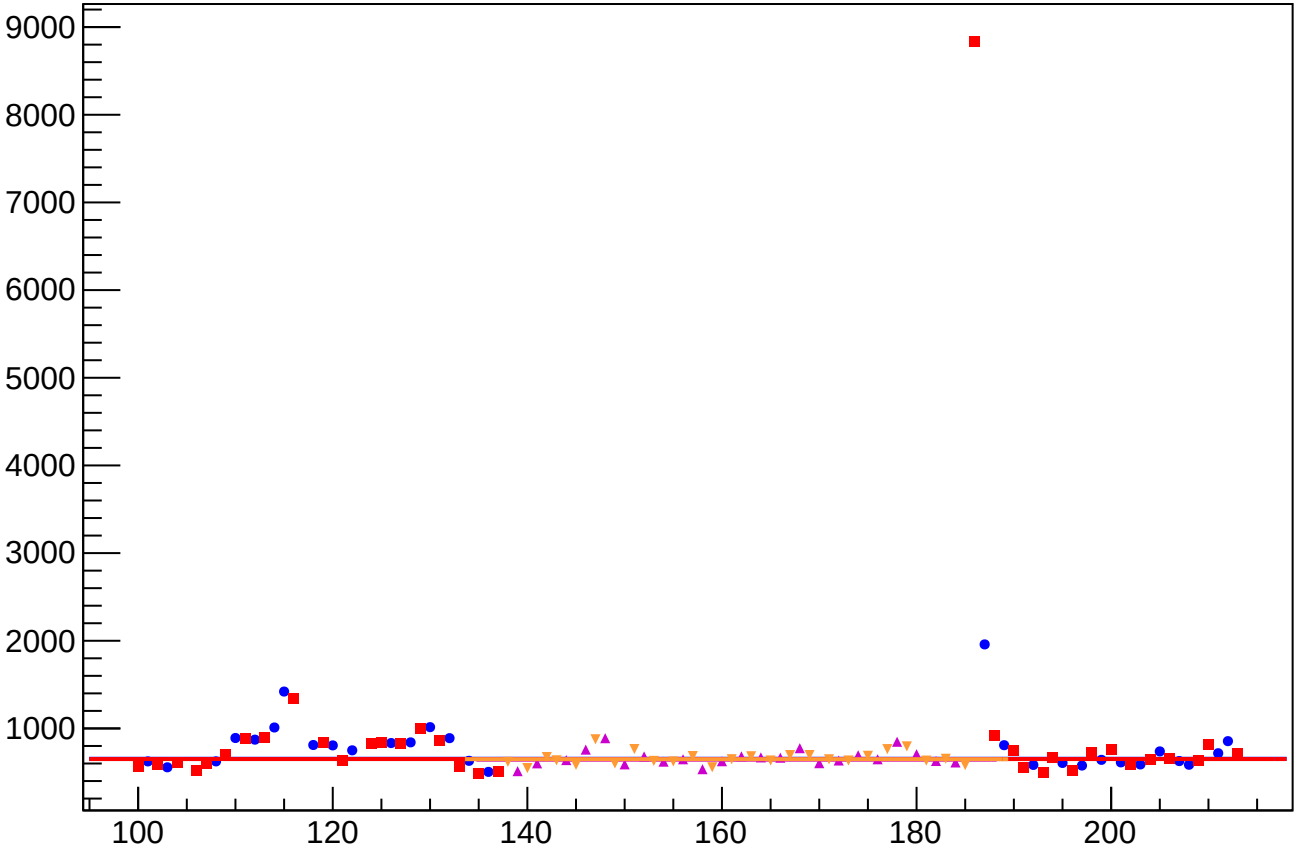
Right: -215.946+/-111.487 χ^2/NDF: 63.9/62

In: -43.658+/-110.412 χ^2/NDF:57.2/51

Out: -83.438+/-107.317 χ^2/NDF:64.1/58

All: -64.113+/-76.956 χ^2/NDF: 121.4/110

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 653.938+/-0.114 χ^2/NDF: 1225247.0/28

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

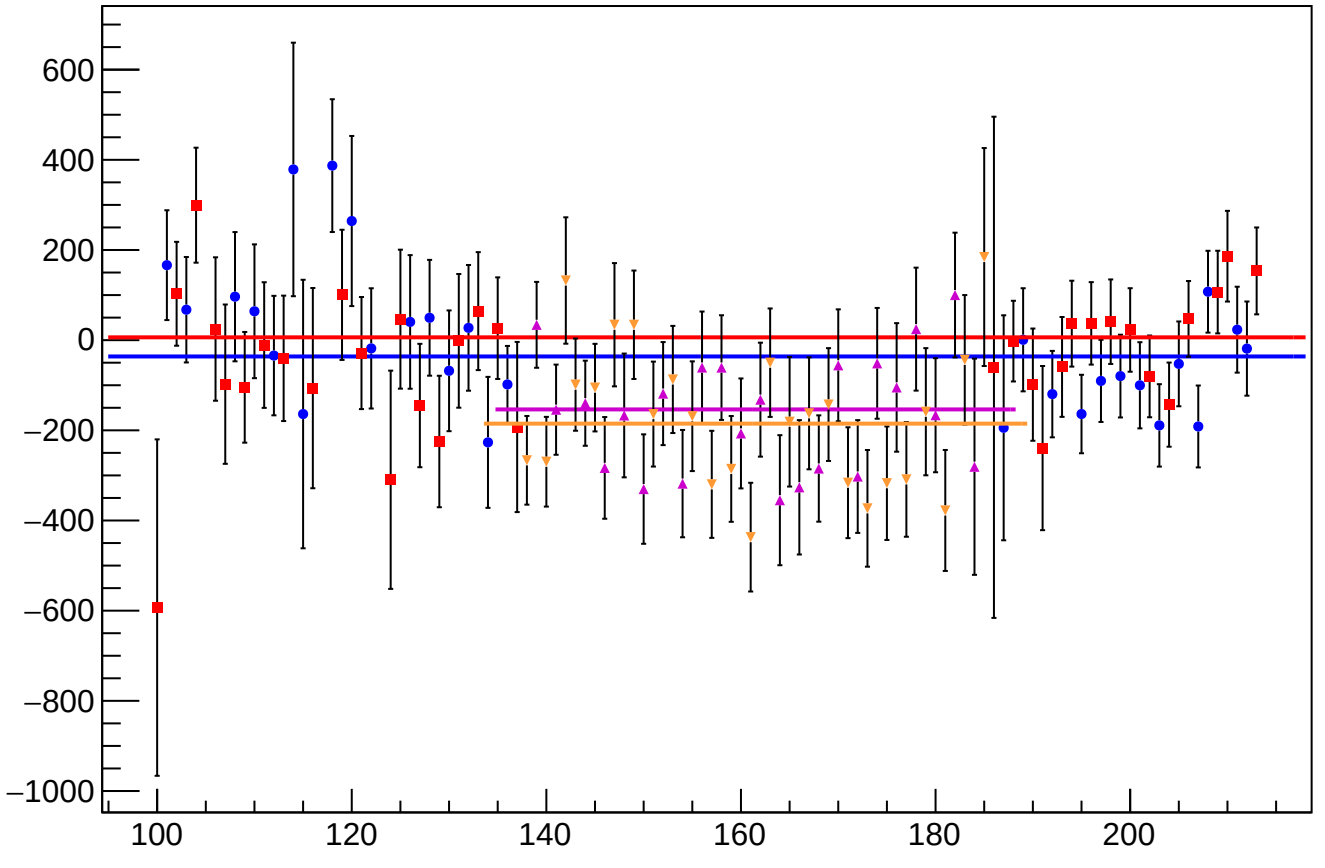
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 652.314+/-0.079 χ^2/NDF: 3289268.6/62

In: 648.736+/-0.078 χ^2/NDF:1788348.4/51

Out: 649.964+/-0.076 χ^2/NDF:2482105.2/58

All: 649.368+/-0.054 χ^2/NDF: 4270580.7/110



Right In: -36.154+/-21.305 χ^2/NDF: 34.4/28

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

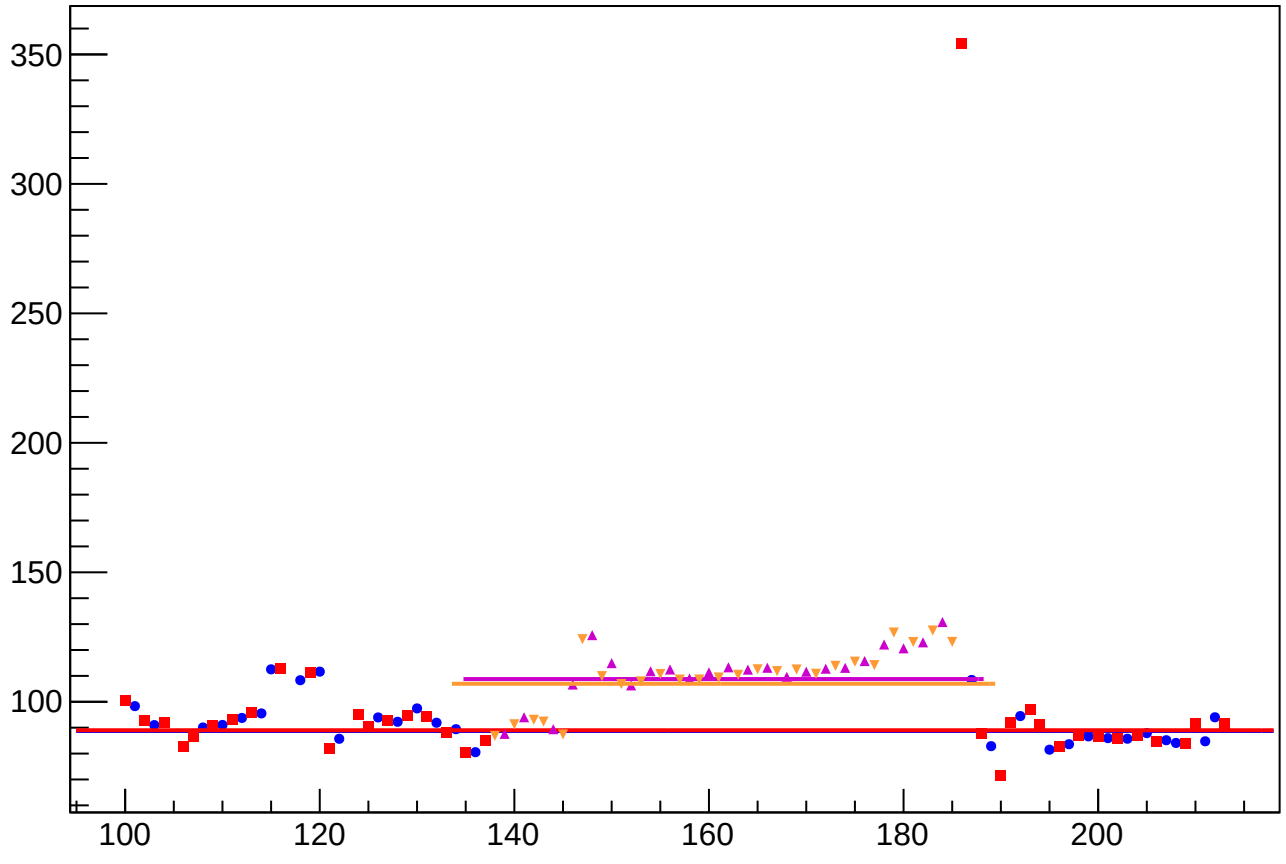
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -14.235+/-14.809 χ^2/NDF: 67.6/62

In: -84.364+/-16.360 χ^2/NDF:70.4/51

Out: -73.193+/-15.754 χ^2/NDF:100.1/58

All: -78.567+/-11.348 χ^2/NDF: 170.7/110



Right In: 88.723+/-0.015 χ^2/NDF: 195537.5/28

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

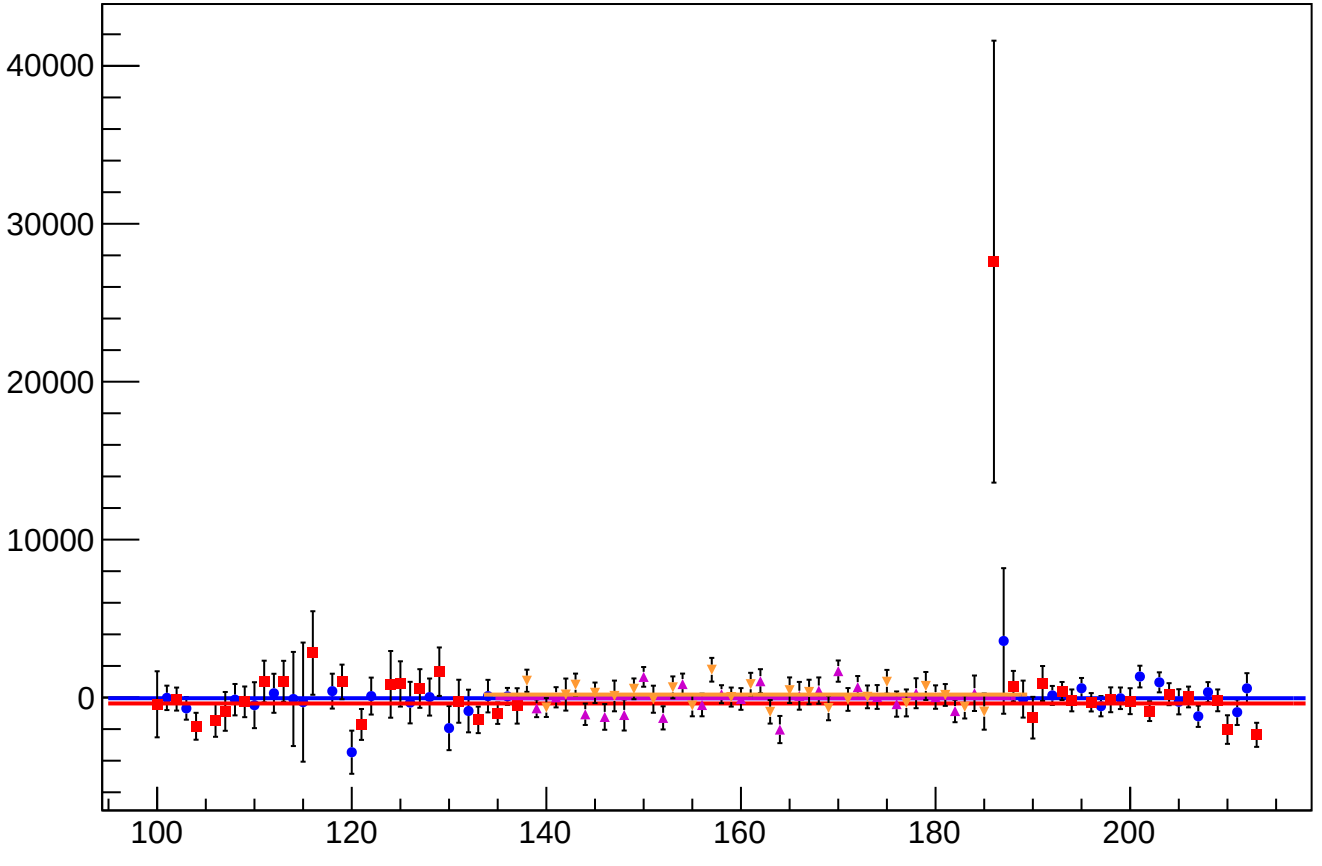
Right: 88.871+/-0.010 χ^2/NDF: 848163.8/62

In: 96.954+/-0.012 χ^2/NDF:1281404.3/51

Out: 96.457+/-0.011 χ^2/NDF:1746795.1/58

All: 96.696+/-0.008 χ^2/NDF: 3029156.4/110

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -44.111+/-160.583 χ^2/NDF: 23.5/28

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

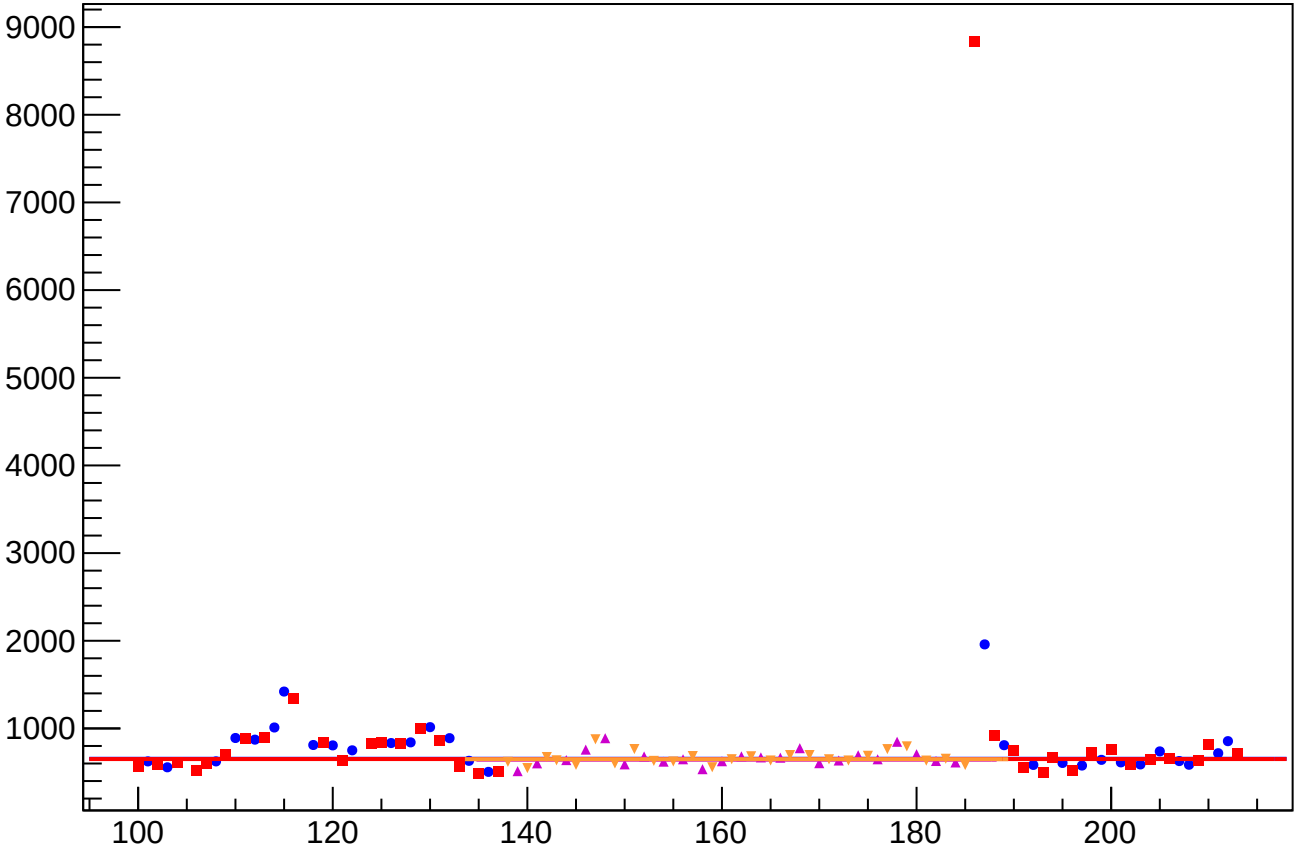
Right: -215.946+/-111.487 χ^2/NDF: 63.9/62

In: -43.658+/-110.412 χ^2/NDF:57.2/51

Out: -83.438+/-107.317 χ^2/NDF:64.1/58

All: -64.113+/-76.956 χ^2/NDF: 121.4/110

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 653.938+/-0.114 χ^2/NDF: 1225247.0/28

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

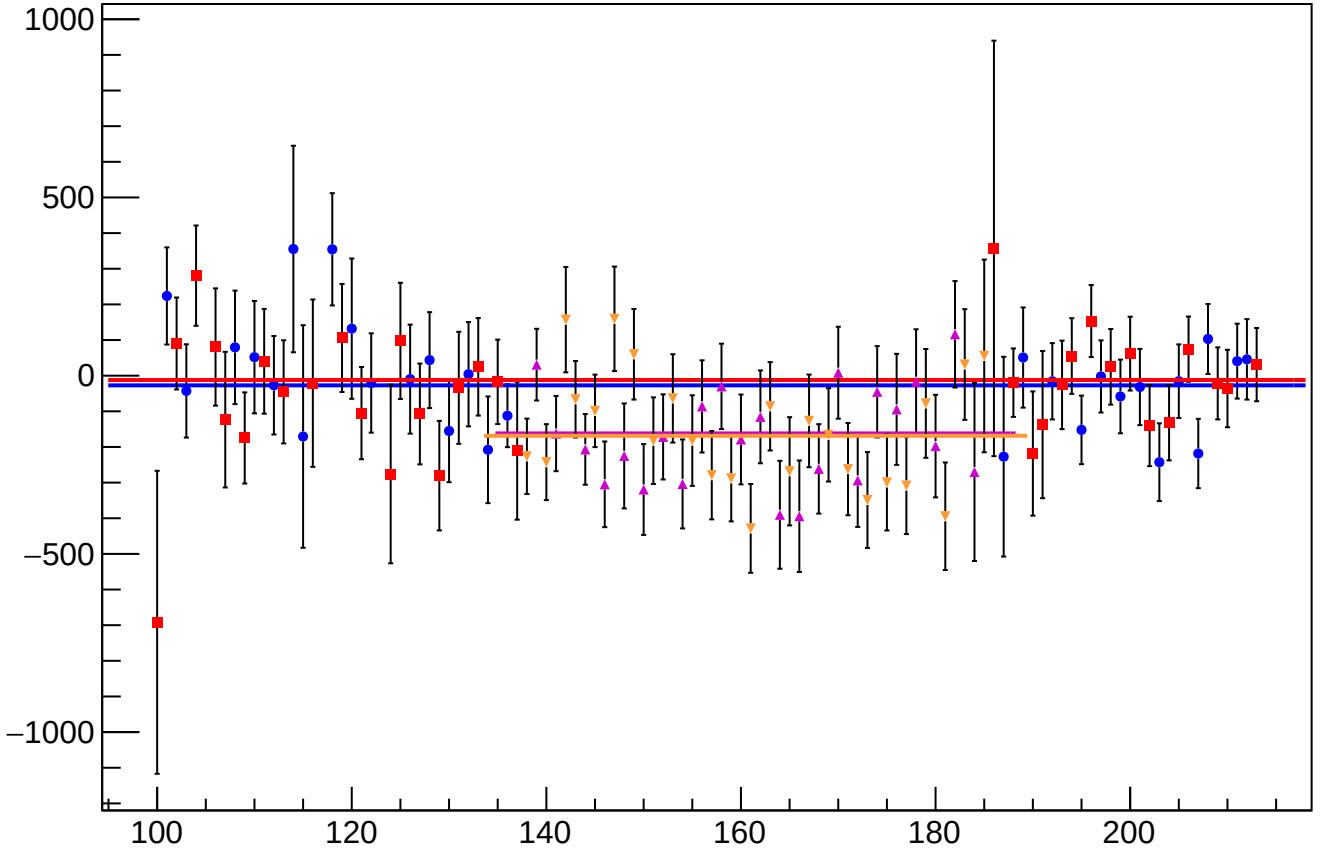
Right: 652.314+/-0.079 χ^2/NDF: 3289268.6/62

In: 648.736+/-0.078 χ^2/NDF:1788348.4/51

Out: 649.964+/-0.076 χ^2/NDF:2482105.2/58

All: 649.368+/-0.054 χ^2/NDF: 4270580.7/110

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -27.163+/-23.289 χ^2/NDF: 29.2/28

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

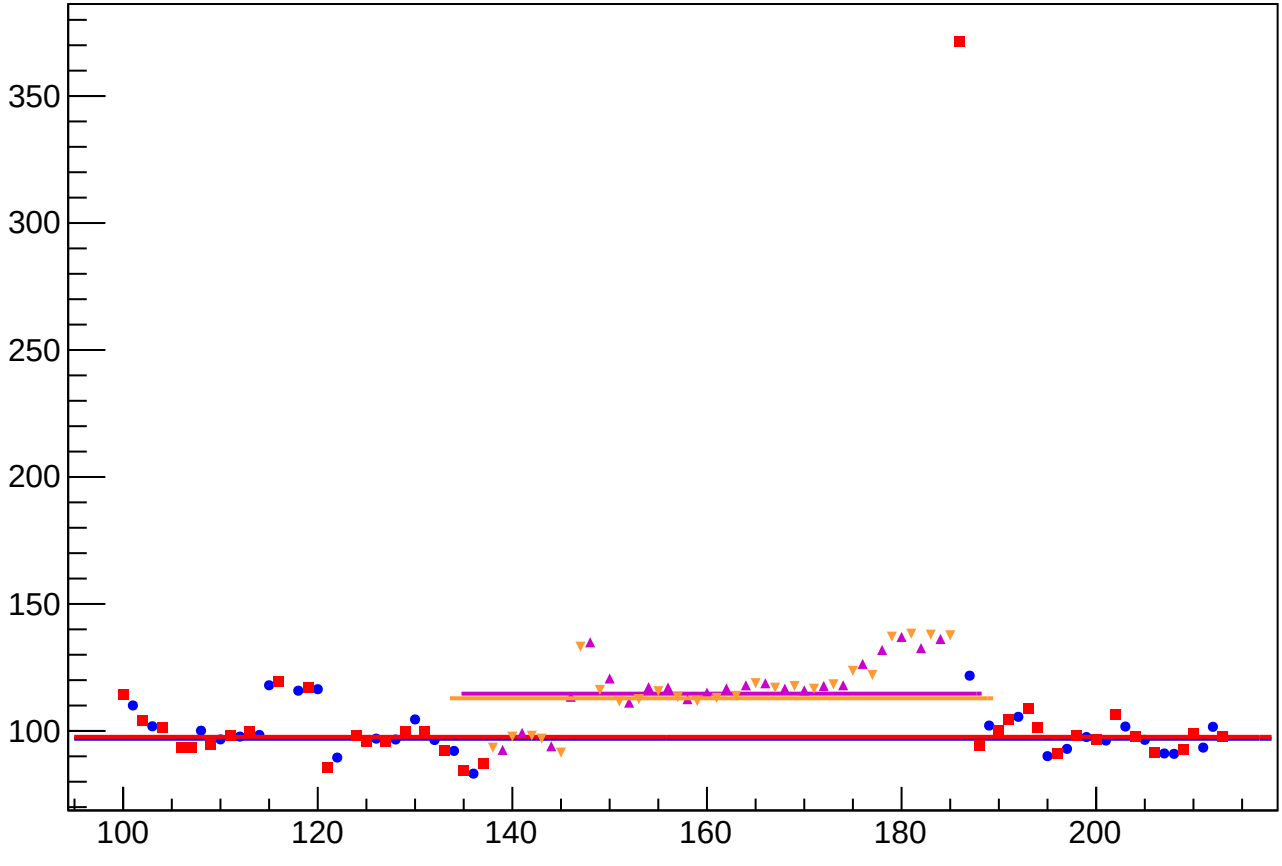
Right: -19.455+/-16.212 χ^2/NDF: 56.3/62

In: -84.826+/-17.621 χ^2/NDF:67.1/51

Out: -80.004+/-16.998 χ^2/NDF:80.1/58

All: -82.328+/-12.233 χ^2/NDF: 147.2/110

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 96.932+/-0.016 χ^2/NDF: 210499.5/28

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

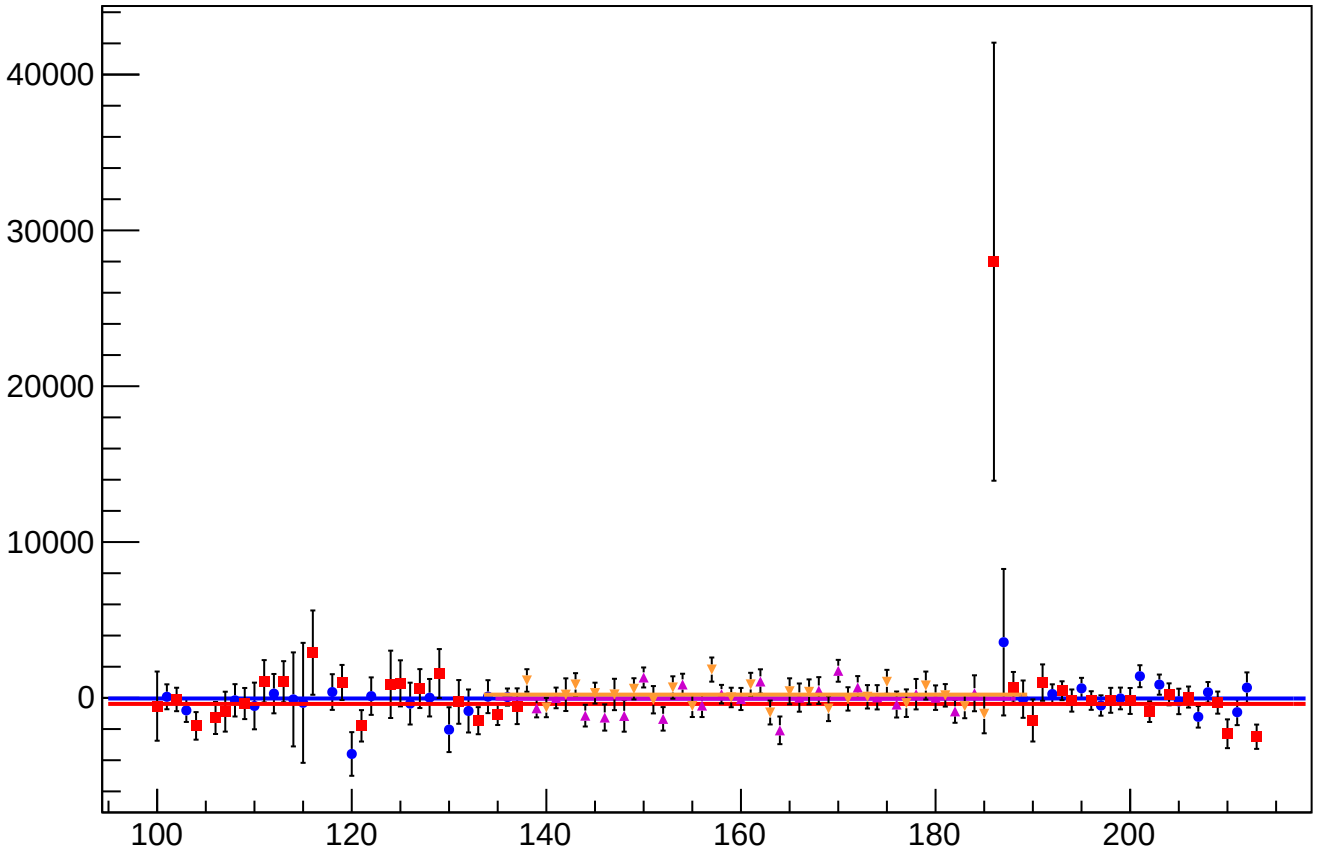
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.317+/-0.011 χ^2/NDF: 826911.2/62

In: 104.519+/-0.012 χ^2/NDF:1116889.7/51

Out: 104.254+/-0.012 χ^2/NDF:1518800.6/58

All: 104.382+/-0.009 χ^2/NDF: 2635924.3/110



Right In: -38.360+/-165.071 χ^2/NDF: 23.4/28

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

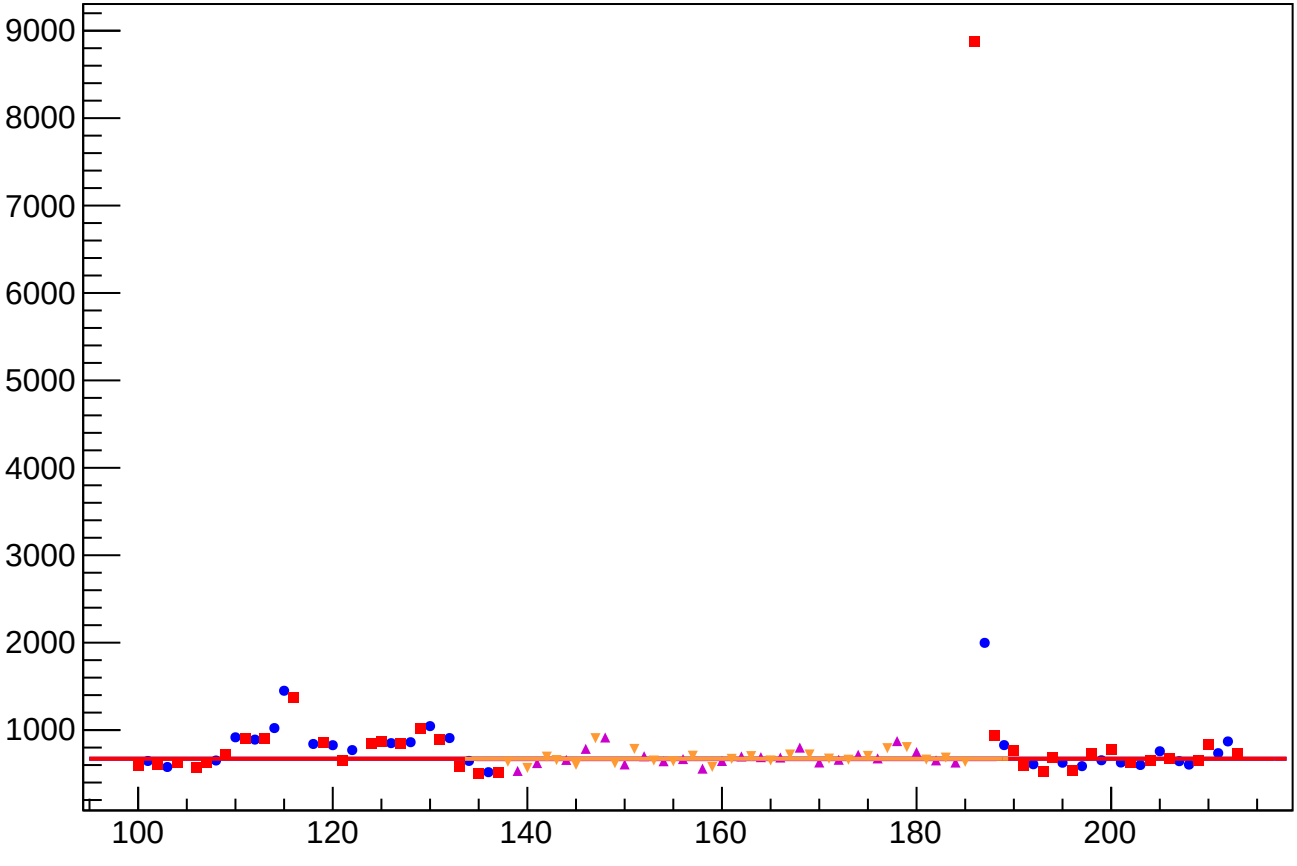
Right: -218.676+/-114.686 χ^2/NDF: 65.2/62

In: -44.593+/-113.946 χ^2/NDF:56.7/51

Out: -78.258+/-110.745 χ^2/NDF:65.6/58

All: -61.905+/-79.416 χ^2/NDF: 122.4/110

asym_sam_15_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 672.674+/-0.117 χ^2/NDF: 1204528.6/28

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

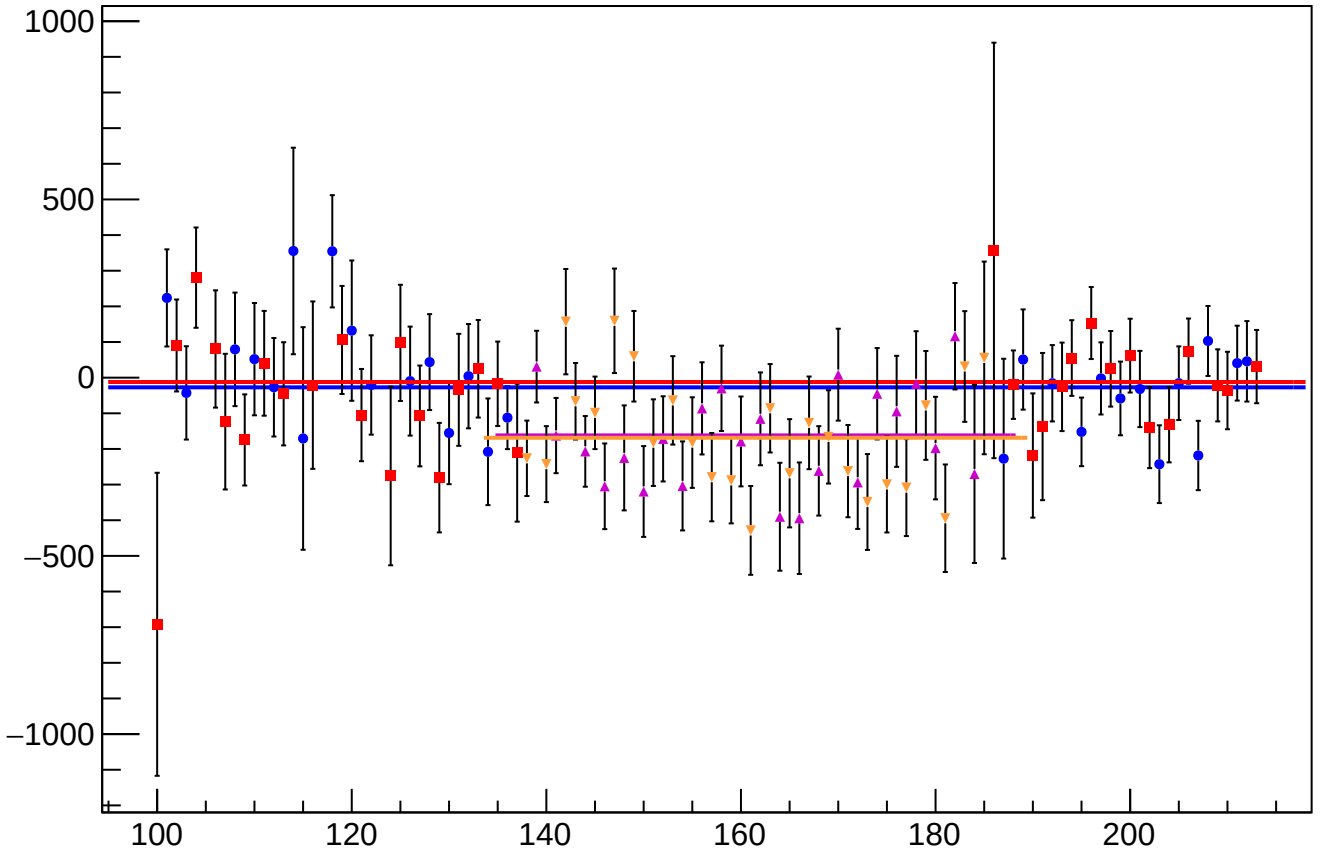
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 672.455+/-0.081 χ^2/NDF: 3171979.8/62

In: 669.882+/-0.081 χ^2/NDF:1752525.1/51

Out: 672.043+/-0.078 χ^2/NDF:2366610.9/58

All: 670.993+/-0.056 χ^2/NDF: 4119505.7/110



Right In: -27.163+/-23.289 χ^2/NDF: 29.2/28

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

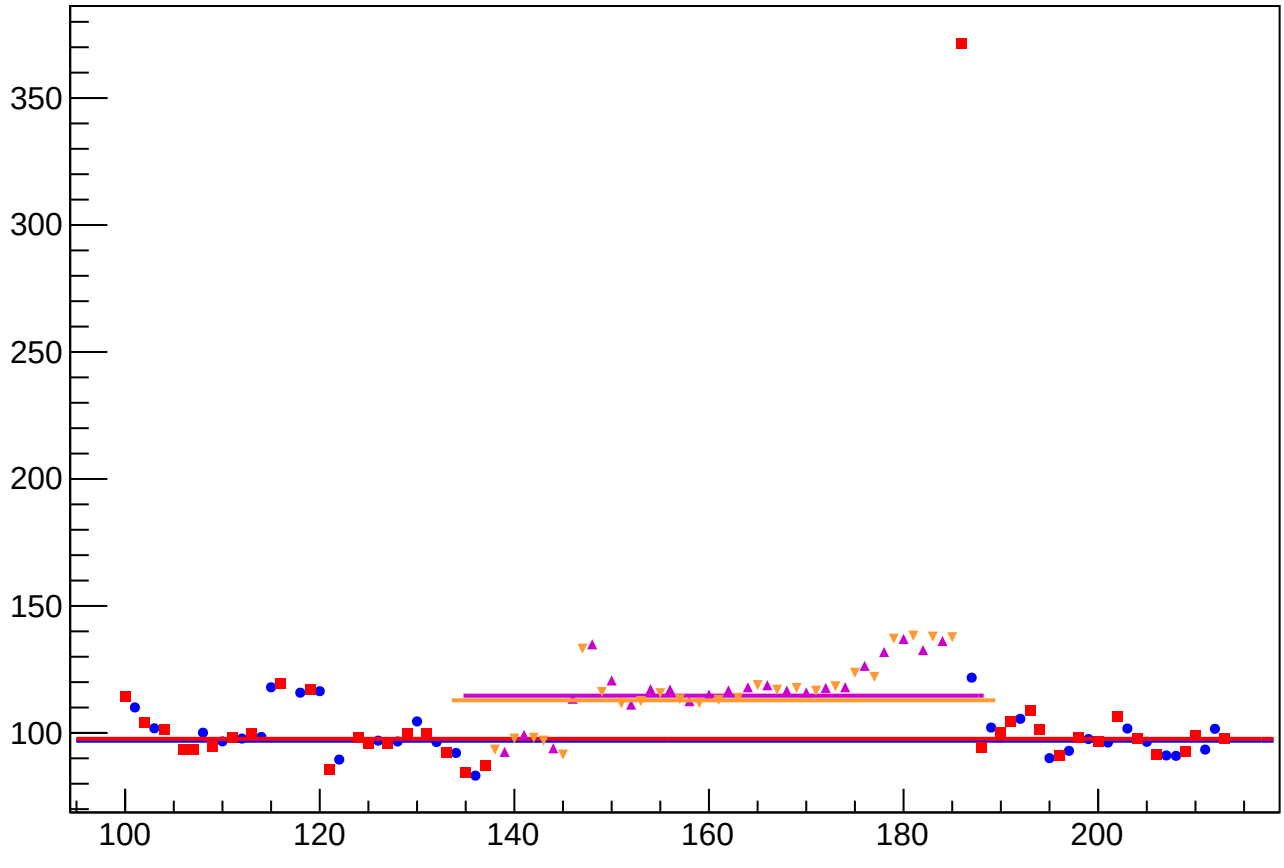
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -19.455+/-16.212 χ^2/NDF: 56.3/62

In: -84.826+/-17.620 χ^2/NDF:67.1/51

Out: -80.004+/-16.998 χ^2/NDF:80.1/58

All: -82.328+/-12.233 χ^2/NDF: 147.2/110



Right In: 96.932+/-0.016 χ^2/NDF: 210503.3/28

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

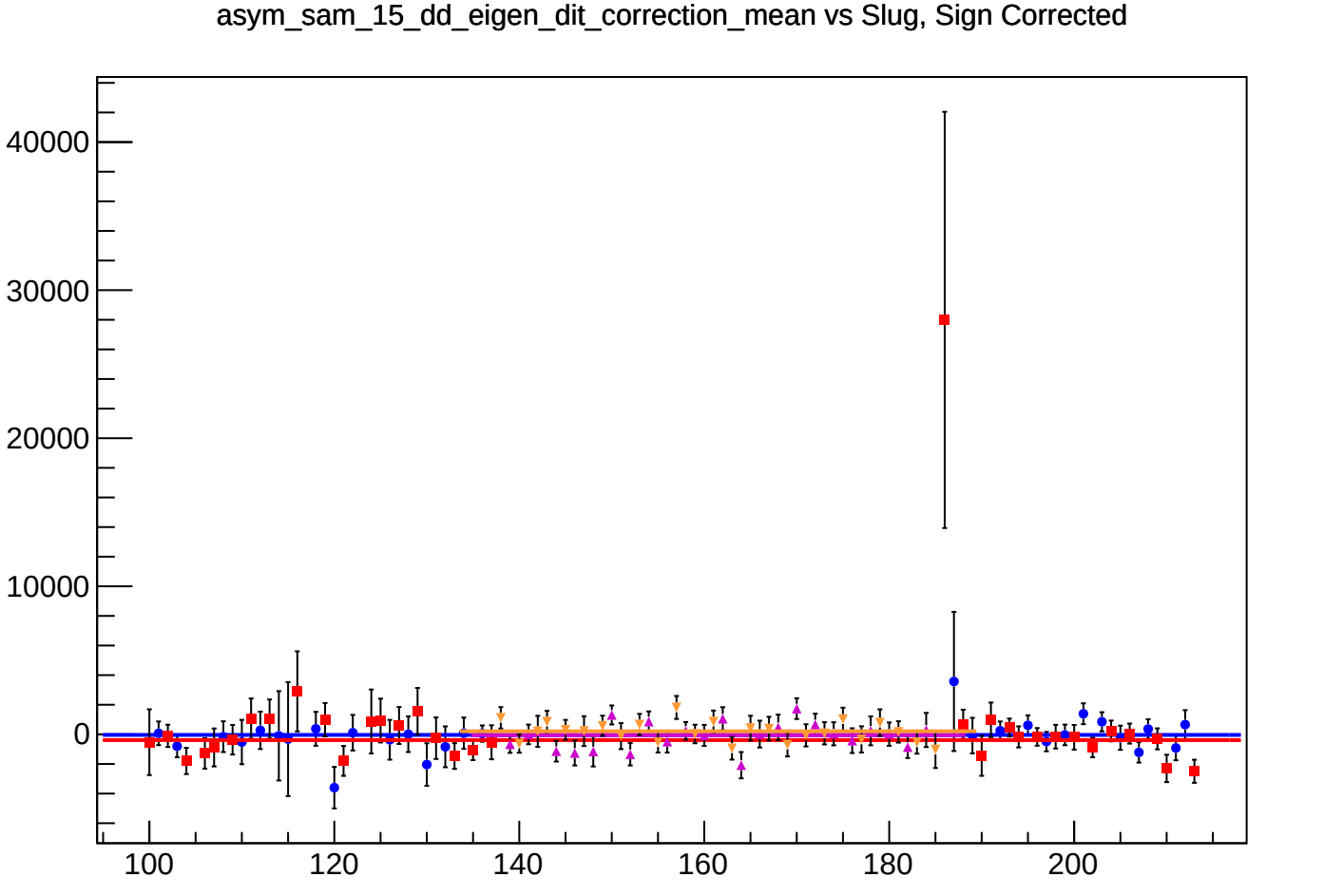
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 97.317+/-0.011 χ^2/NDF: 826916.6/62

In: 104.519+/-0.012 χ^2/NDF:1116905.3/51

Out: 104.254+/-0.012 χ^2/NDF:1518804.9/58

All: 104.382+/-0.009 χ^2/NDF: 2635944.2/110



Right In: -38.360+/-165.071 χ^2/NDF: 23.4/28

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

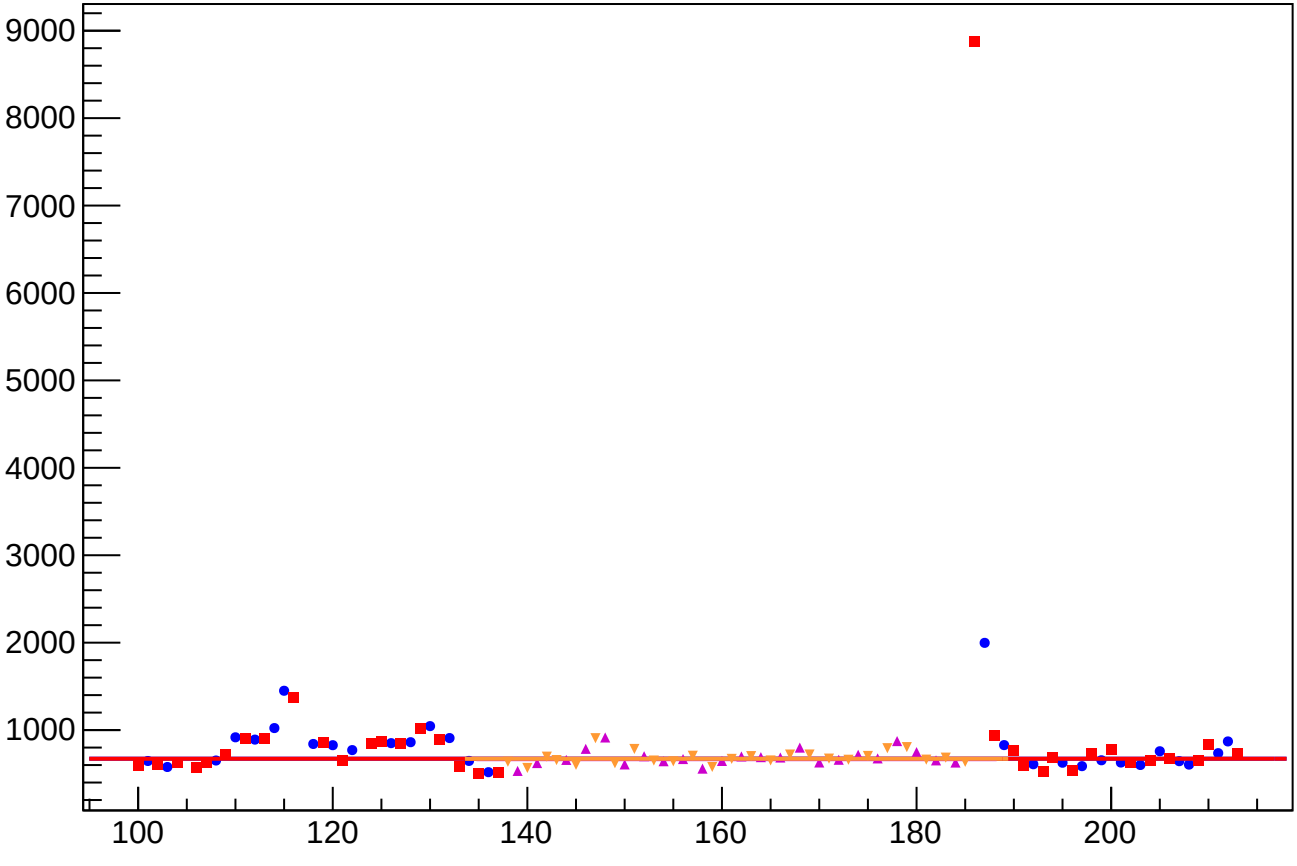
Right: -218.676+/-114.686 χ^2/NDF: 65.2/62

In: -44.593+/-113.946 χ^2/NDF:56.7/51

Out: -78.259+/-110.745 χ^2/NDF:65.6/58

All: -61.905+/-79.416 χ^2/NDF: 122.4/110

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 672.674+/-0.117 χ^2/NDF: 1204528.9/28

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

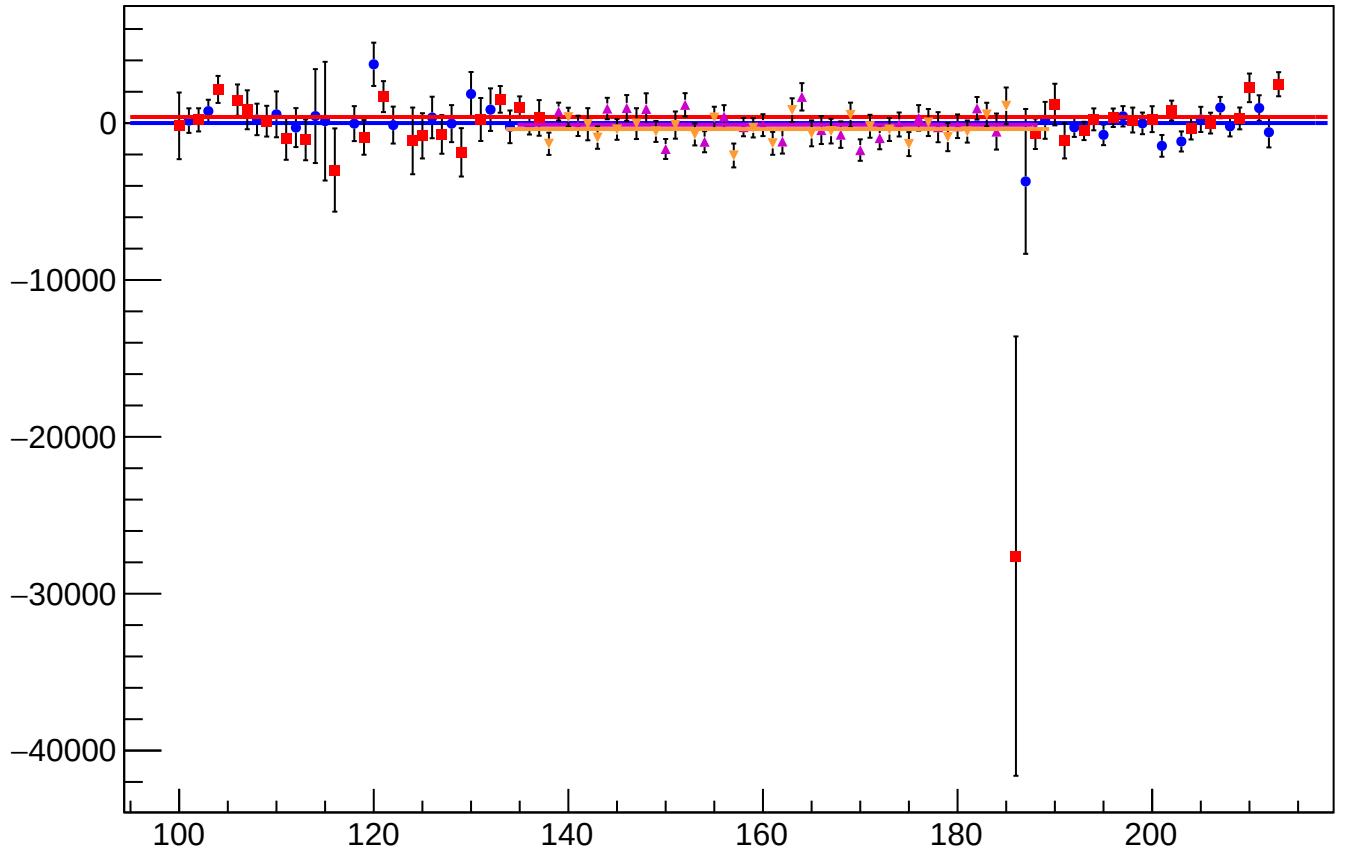
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 672.455+/-0.081 χ^2/NDF: 3171984.5/62

In: 669.882+/-0.081 χ^2/NDF:1752527.0/51

Out: 672.043+/-0.078 χ^2/NDF:2366615.7/58

All: 670.993+/-0.056 χ^2/NDF: 4119512.3/110



Right In: 5.071+/-162.194 χ^2/NDF: 25.6/28

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

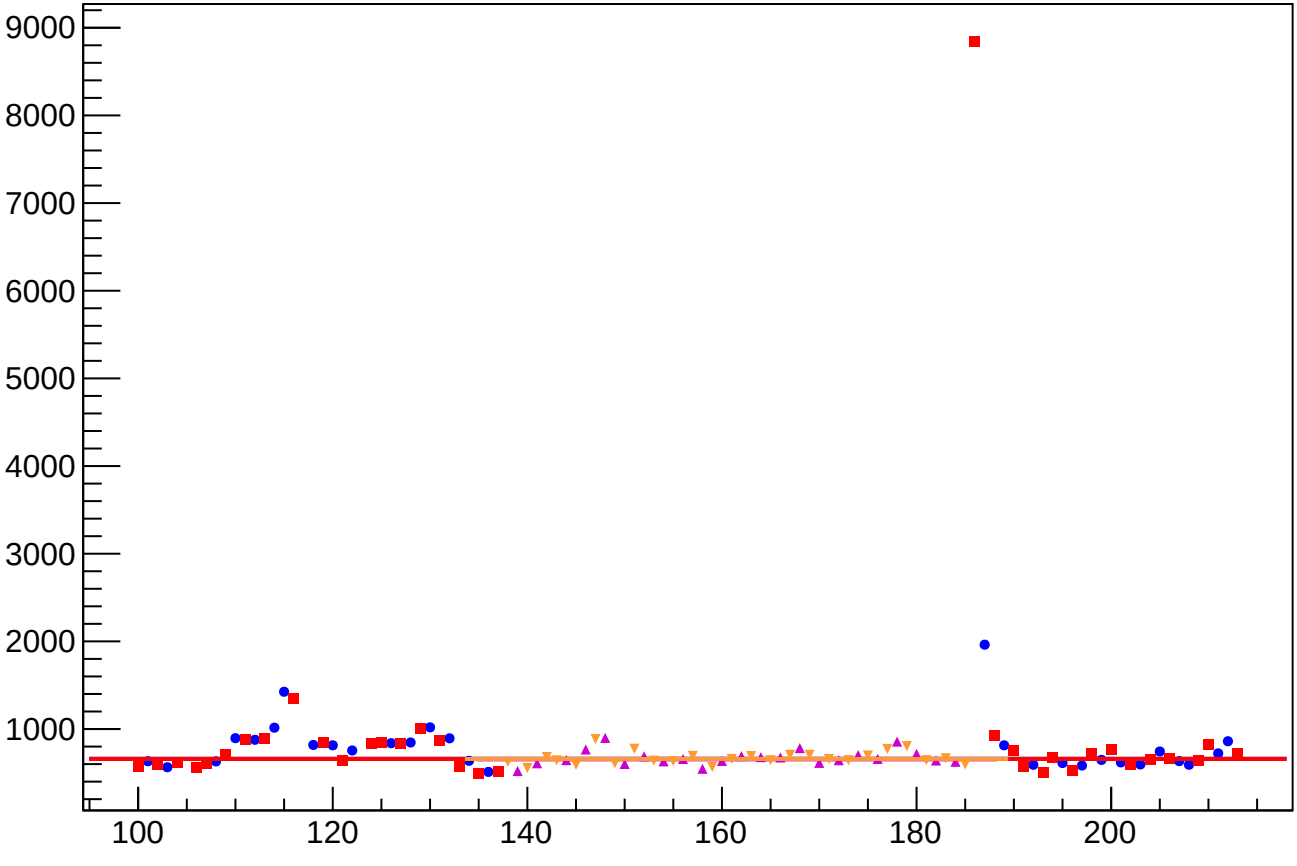
Right: 204.671+/-112.557 χ^2/NDF: 71.3/62

In: -51.815+/-111.807 χ^2/NDF:61.4/51

Out: -6.986+/-108.590 χ^2/NDF:76.6/58

All: -28.746+/-77.897 χ^2/NDF: 138.1/110

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 660.906+/-0.115 χ^2/NDF: 1197938.4/28

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

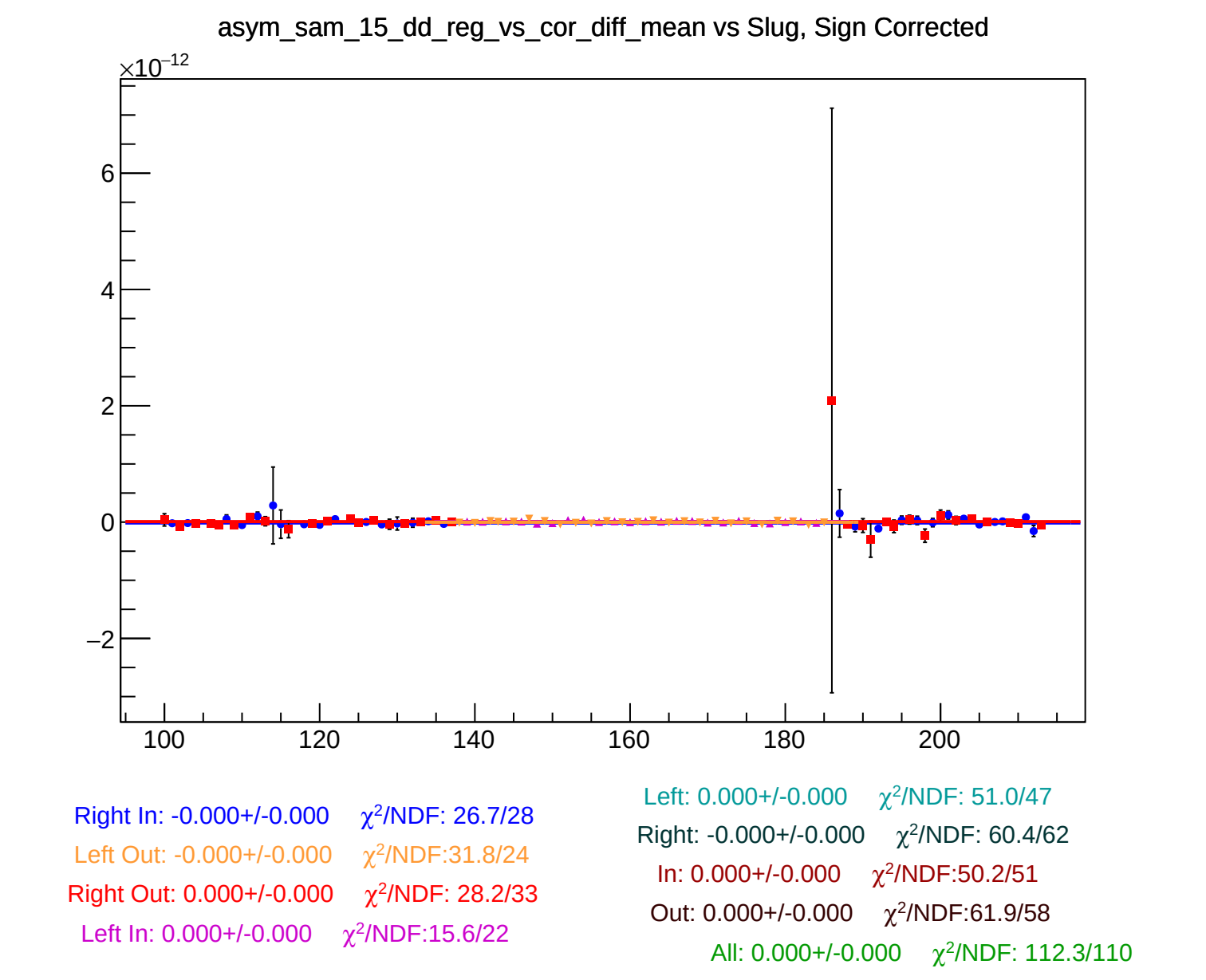
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

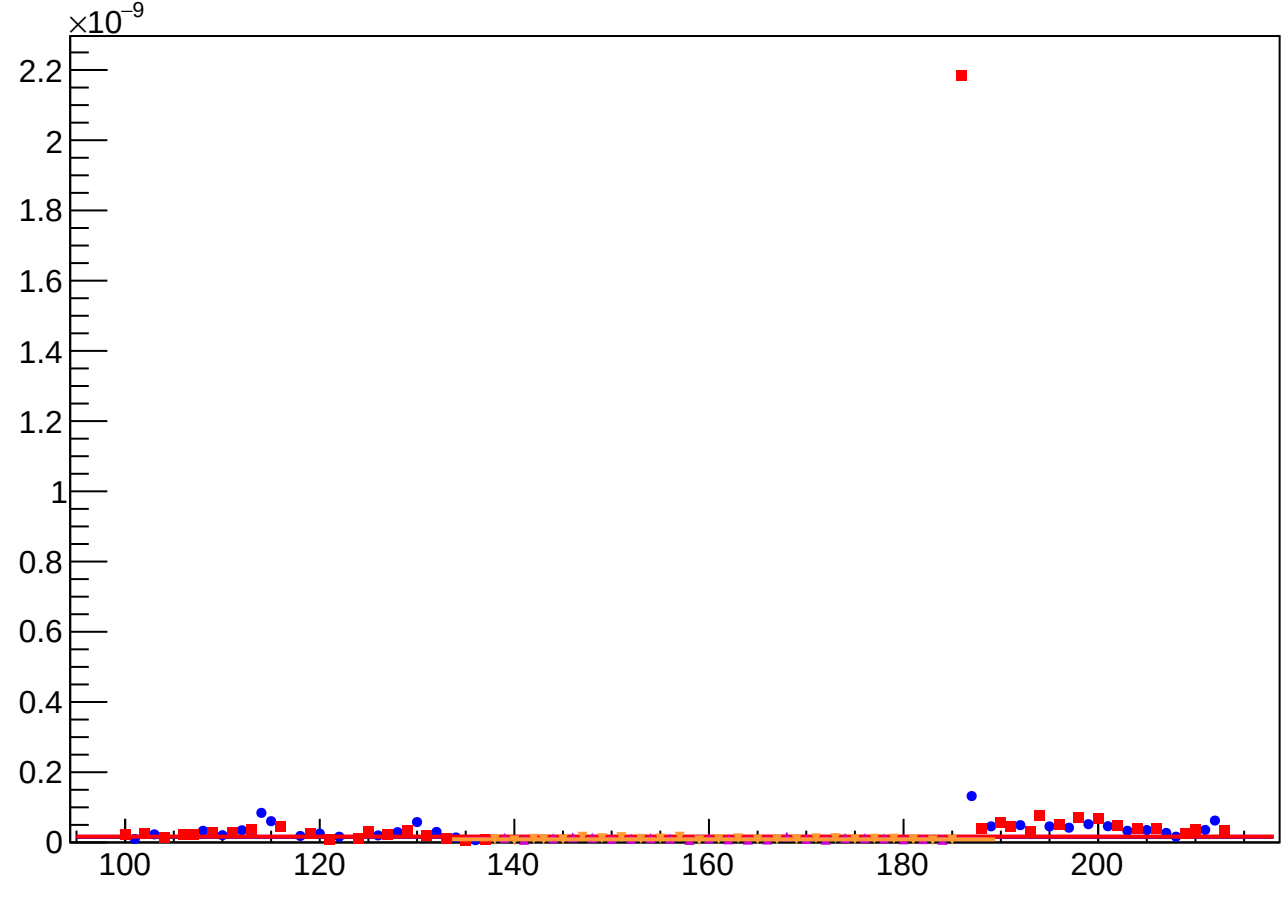
Right: 659.686+/-0.080 χ^2/NDF: 3210039.1/62

In: 657.255+/-0.079 χ^2/NDF:1741947.0/51

Out: 658.614+/-0.077 χ^2/NDF:2421567.3/58

All: 657.955+/-0.055 χ^2/NDF: 4163666.3/110


asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.7/28
Left Out: -0.000+/-0.000 χ²/NDF:31.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 28.2/33
Left In: 0.000+/-0.000 χ²/NDF:15.6/22
Left: 0.000+/-0.000 χ²/NDF: 51.0/47
Right: -0.000+/-0.000 χ²/NDF: 60.4/62
In: 0.000+/-0.000 χ²/NDF:50.2/51
Out: 0.000+/-0.000 χ²/NDF:61.9/58
All: 0.000+/-0.000 χ²/NDF: 112.3/110



Right In: 0.000+/-0.000 χ^2/NDF: 6423449.9/28

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

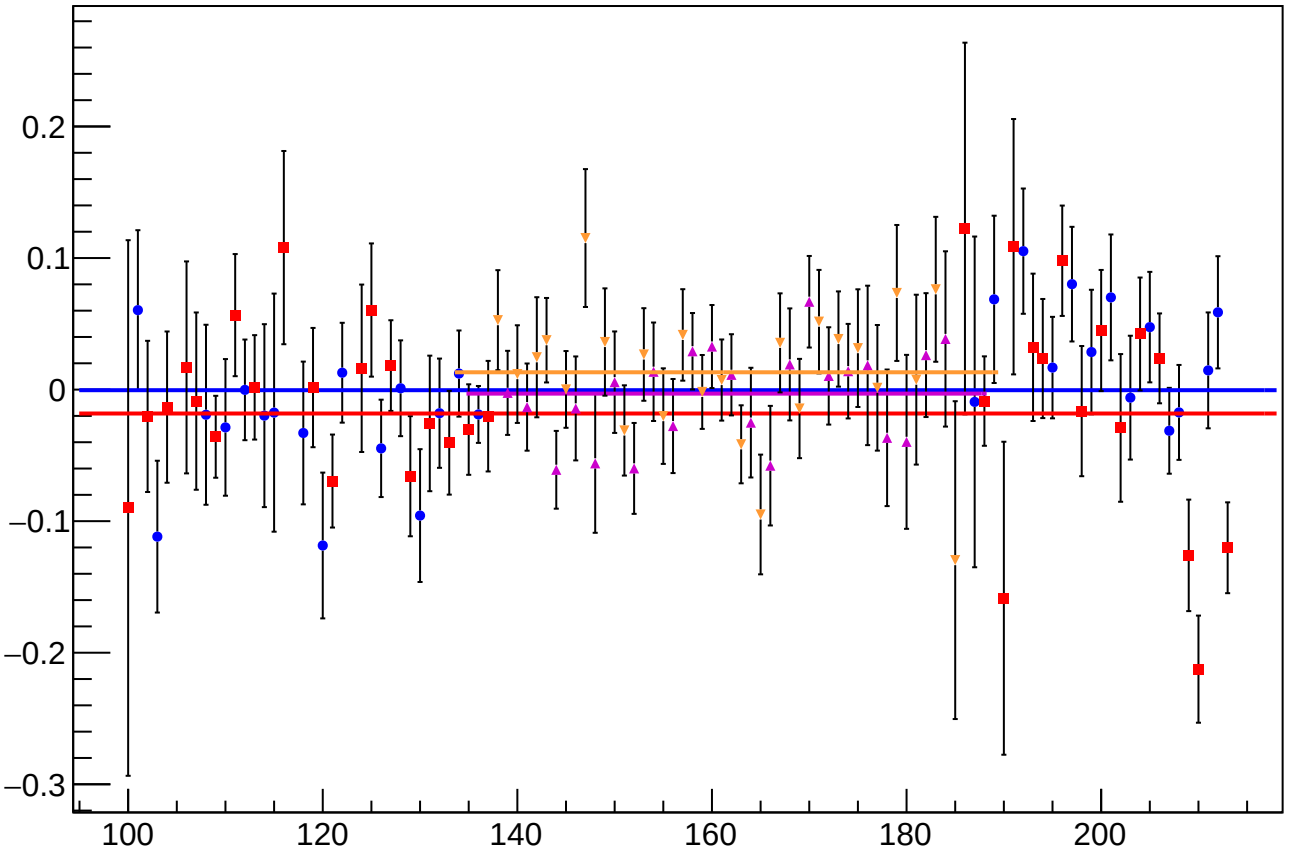
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 14188768.0/62

In: 0.000+/-0.000 χ^2/NDF:8081252.0/51

Out: 0.000+/-0.000 χ^2/NDF:10675234.1/58

All: 0.000+/-0.000 χ^2/NDF: 18877869.2/110



Right In: -0.000+/-0.008 χ^2/NDF: 33.0/28

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

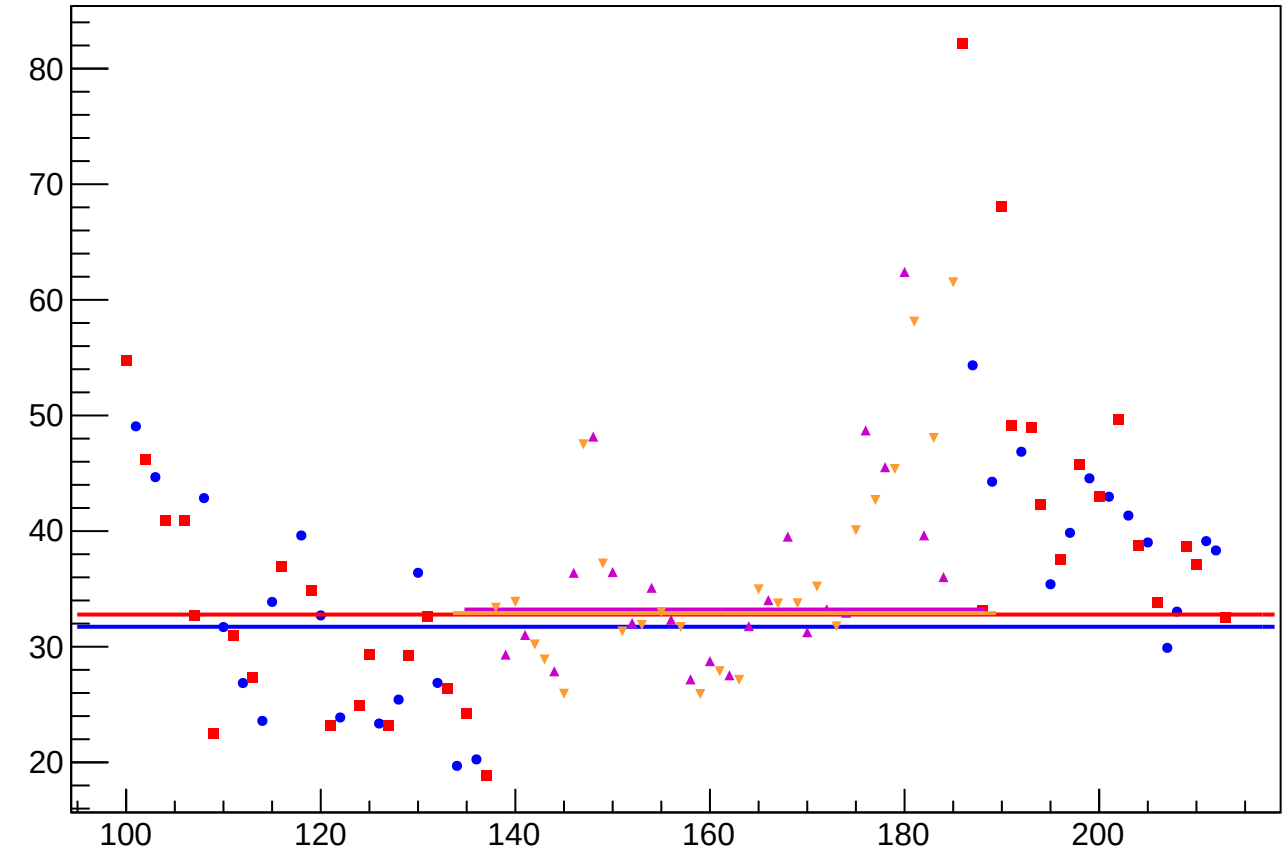
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.009+/-0.006 χ^2/NDF: 106.6/62

In: -0.002+/-0.006 χ^2/NDF:52.3/51

Out: -0.002+/-0.006 χ^2/NDF:104.5/58

All: -0.002+/-0.004 χ^2/NDF: 156.8/110



Right In: 31.726+/-0.006 χ^2/NDF: 2492214.9/28

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

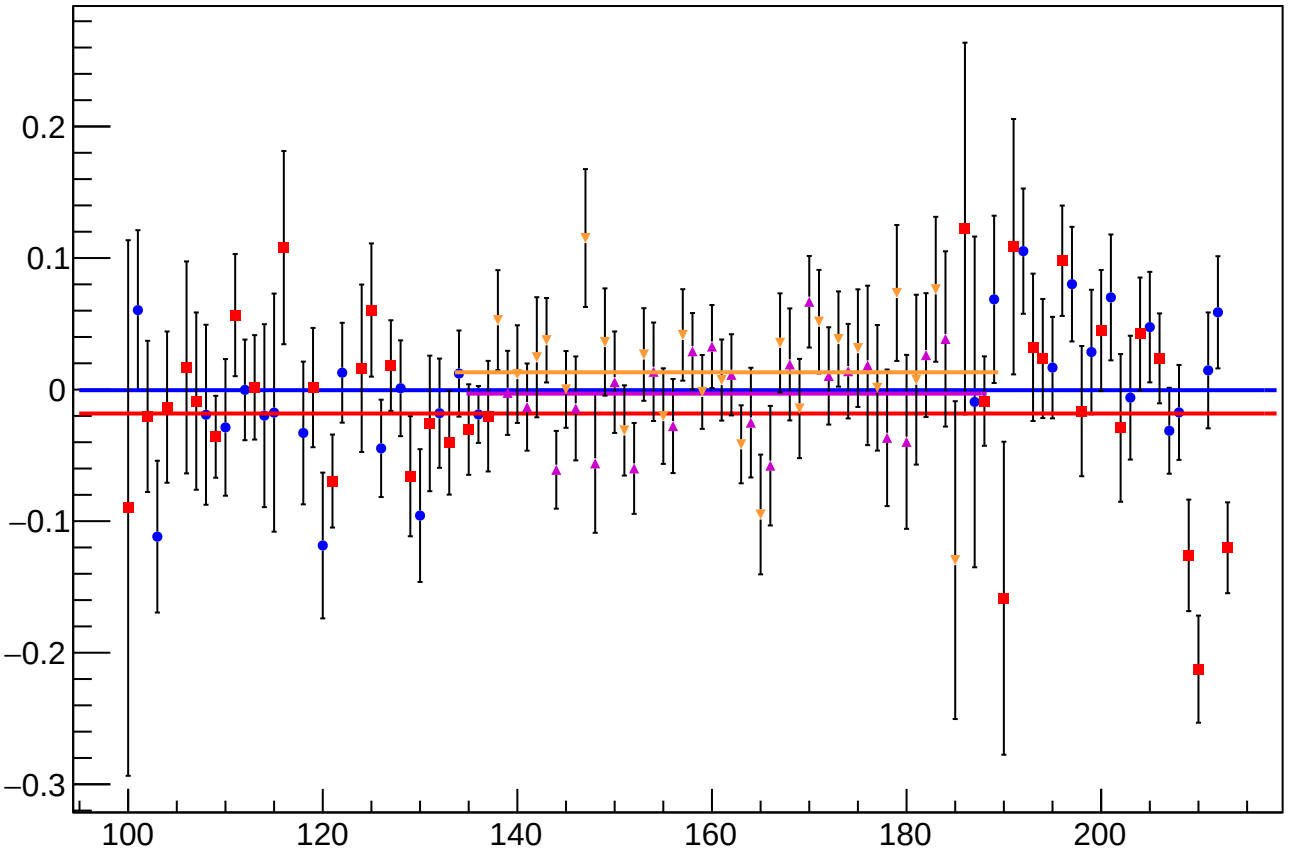
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 32.261+/-0.004 χ^2/NDF: 4996415.2/62

In: 32.474+/-0.004 χ^2/NDF:3748591.7/51

Out: 32.847+/-0.004 χ^2/NDF:3914632.3/58

All: 32.665+/-0.003 χ^2/NDF: 7667719.3/110



Right In: -0.000+/-0.008 χ^2/NDF: 33.0/28

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

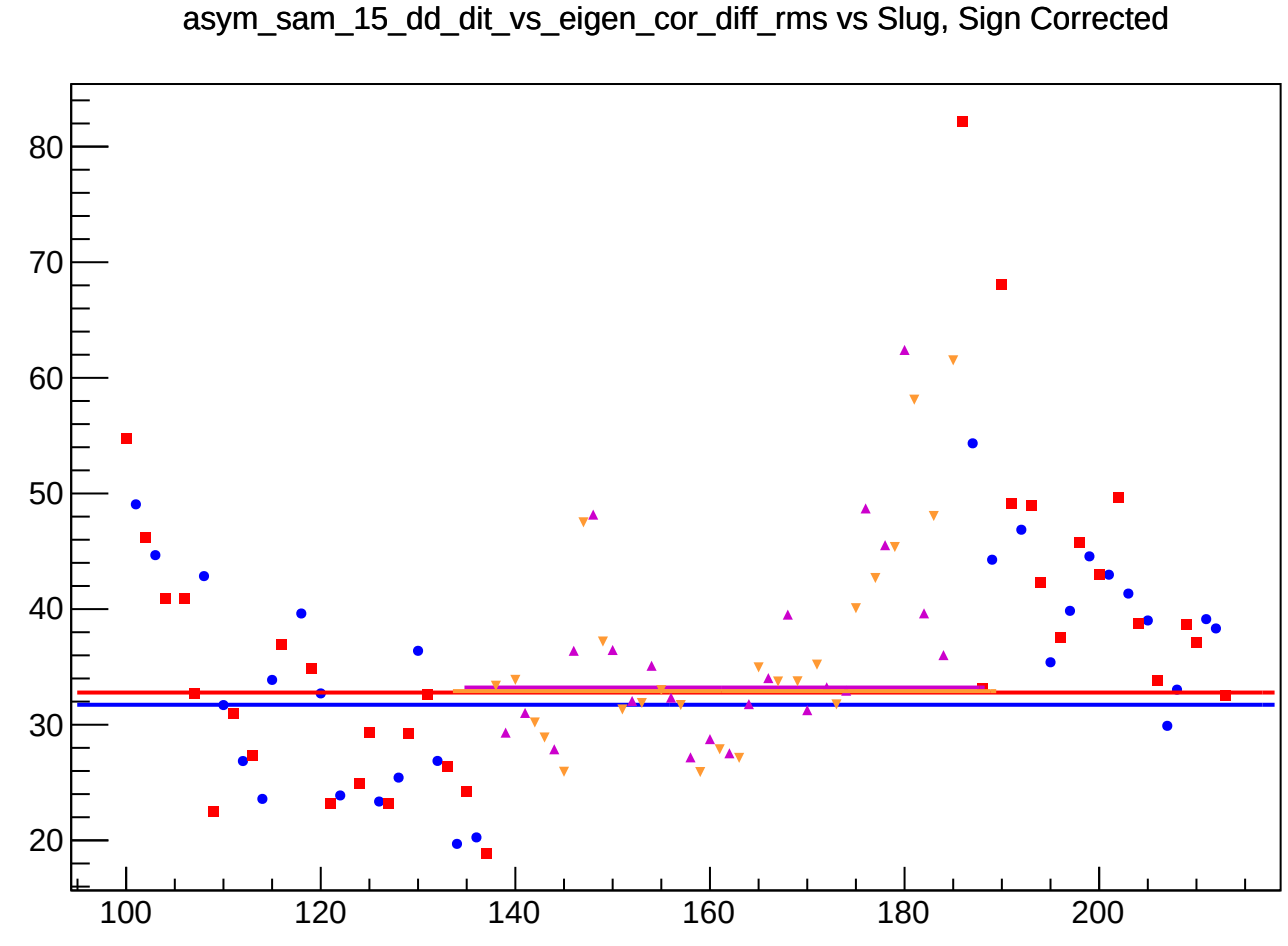
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.009+/-0.006 χ^2/NDF: 106.6/62

In: -0.002+/-0.006 χ^2/NDF:52.3/51

Out: -0.002+/-0.006 χ^2/NDF:104.5/58

All: -0.002+/-0.004 χ^2/NDF: 156.8/110



Right In: 31.726+/-0.006 χ^2/NDF: 2492214.9/28

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

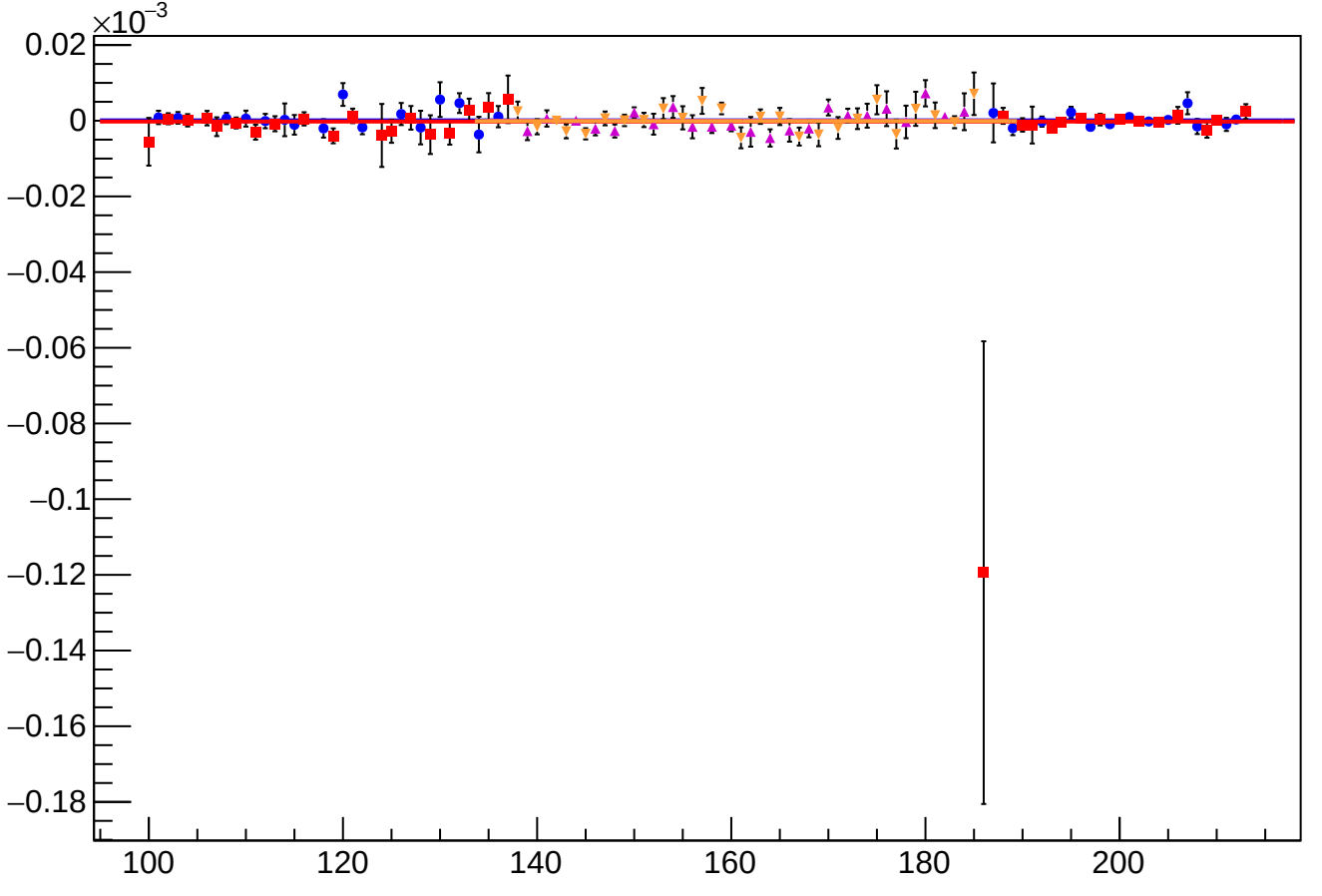
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 32.261+/-0.004 χ^2/NDF: 4996415.2/62

In: 32.474+/-0.004 χ^2/NDF:3748591.7/51

Out: 32.847+/-0.004 χ^2/NDF:3914632.3/58

All: 32.665+/-0.003 χ^2/NDF: 7667719.3/110



Right In: 0.000+/-0.000 χ^2/NDF: 24.8/28

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

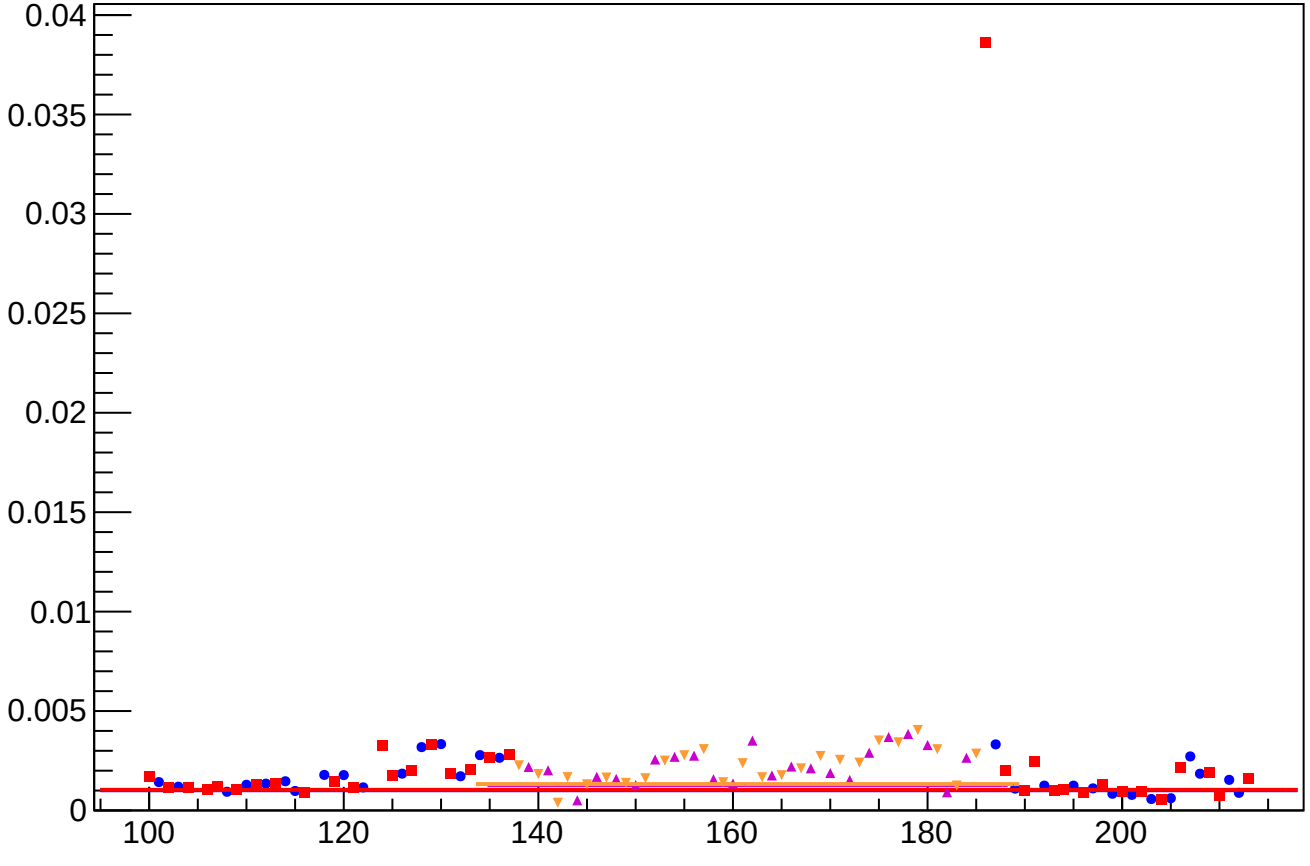
Right: -0.000+/-0.000 χ^2/NDF: 50.3/62

In: 0.000+/-0.000 χ^2/NDF:51.9/51

Out: -0.000+/-0.000 χ^2/NDF:56.0/58

All: -0.000+/-0.000 χ^2/NDF: 108.4/110

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5976848.6/28

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

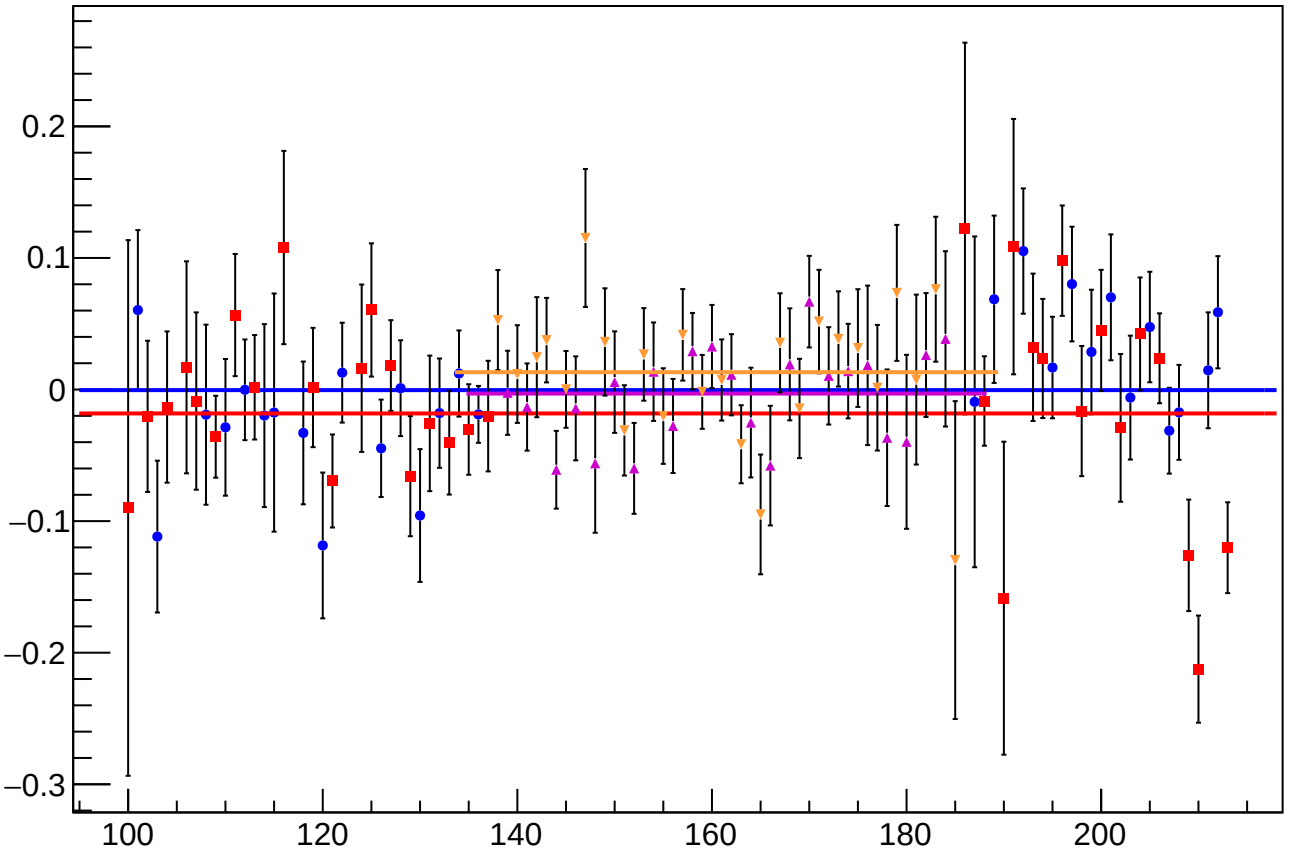
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 12164745.4/62

In: 0.001+/-0.000 χ^2/NDF:16496861.4/51

Out: 0.001+/-0.000 χ^2/NDF:18158299.1/58

All: 0.001+/-0.000 χ^2/NDF: 34664533.8/110



Right In: -0.000+/-0.008 χ^2/NDF: 33.0/28

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

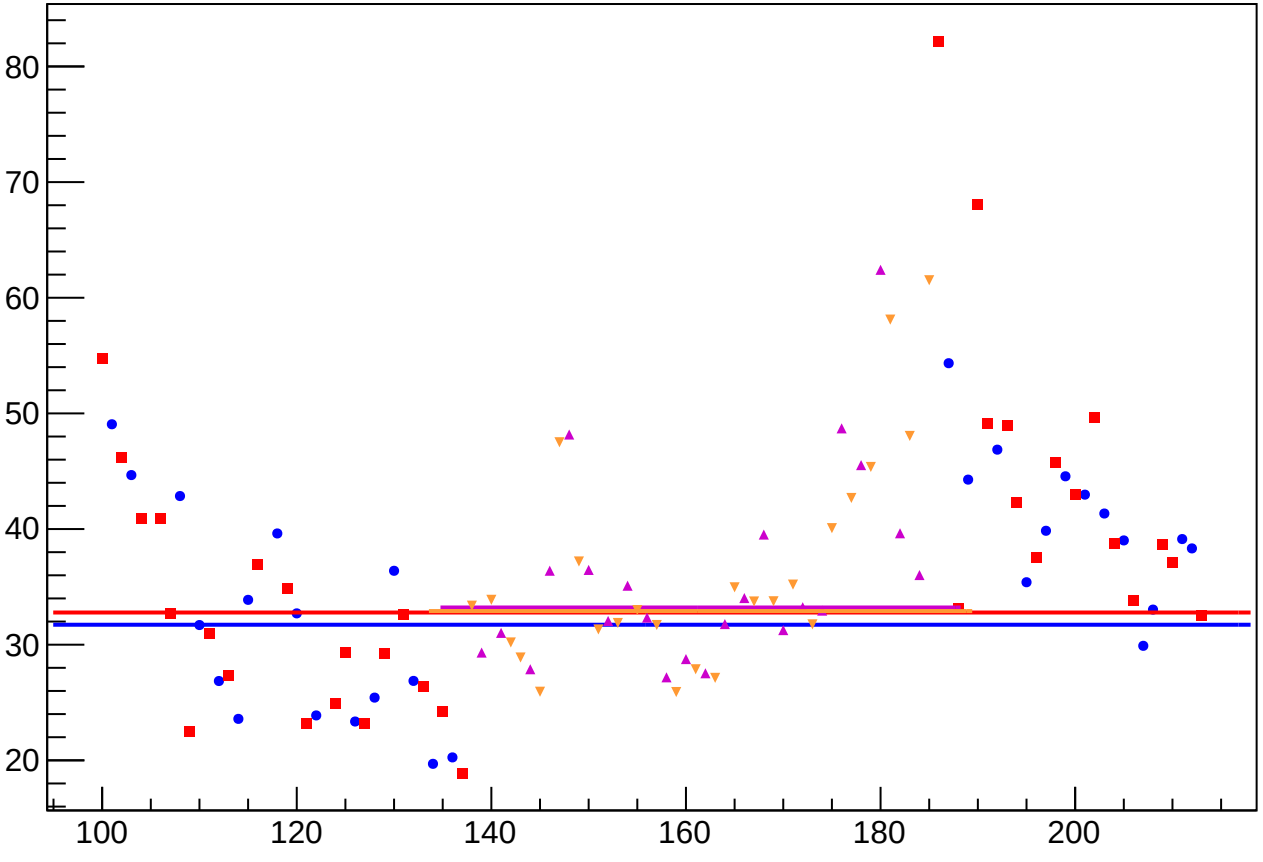
Right: -0.009+/-0.006 χ^2/NDF: 106.6/62

In: -0.002+/-0.006 χ^2/NDF:52.3/51

Out: -0.002+/-0.006 χ^2/NDF:104.5/58

All: -0.002+/-0.004 χ^2/NDF: 156.8/110

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.726+/-0.006 χ^2/NDF: 2492436.7/28

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

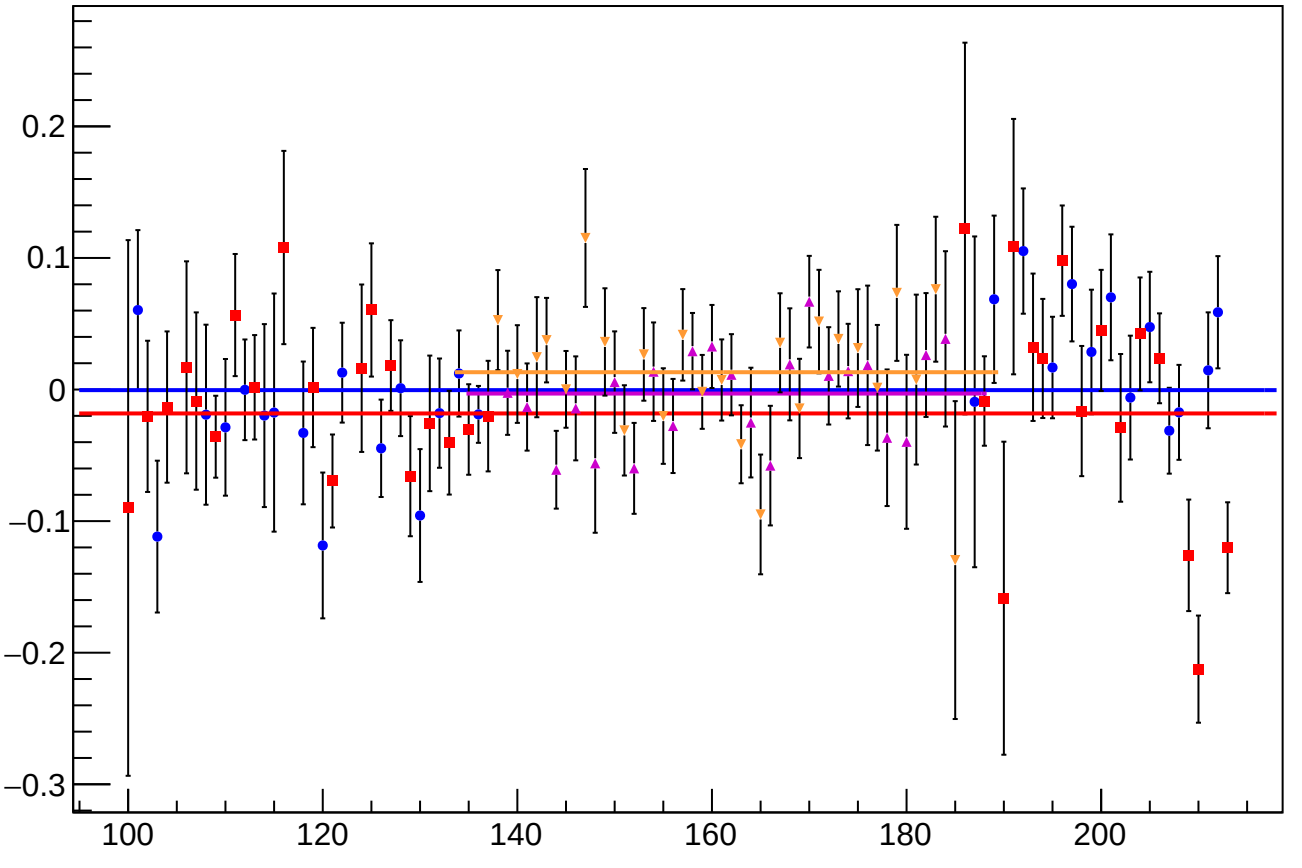
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 32.260+/-0.004 χ^2/NDF: 4996973.6/62

In: 32.473+/-0.004 χ^2/NDF:3748925.0/51

Out: 32.847+/-0.004 χ^2/NDF:3915049.3/58

All: 32.664+/-0.003 χ^2/NDF: 7668466.5/110



Right In: -0.000+/-0.008 χ^2/NDF: 33.0/28

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

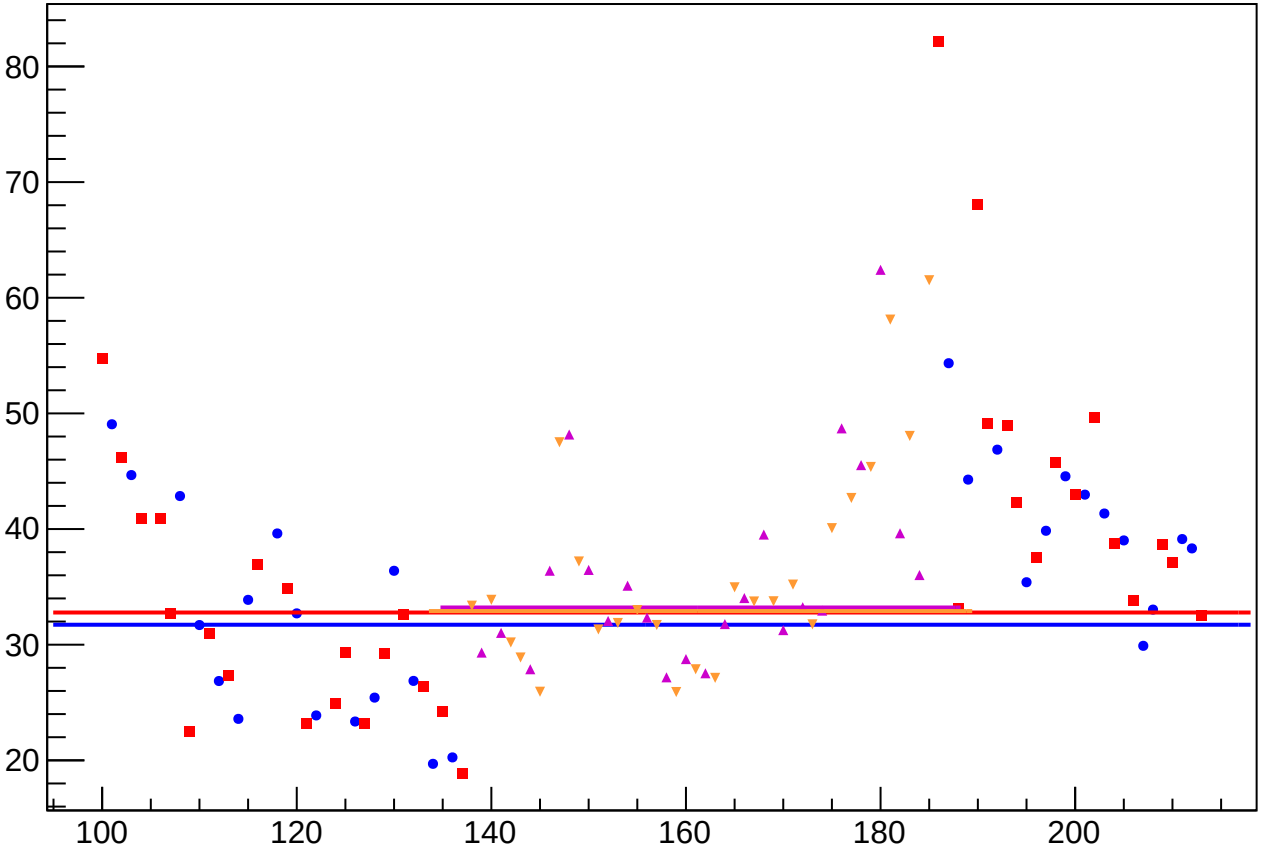
Right: -0.009+/-0.006 χ^2/NDF: 106.6/62

In: -0.002+/-0.006 χ^2/NDF:52.3/51

Out: -0.002+/-0.006 χ^2/NDF:104.5/58

All: -0.002+/-0.004 χ^2/NDF: 156.8/110

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.726+/-0.006 χ^2/NDF: 2492436.7/28

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

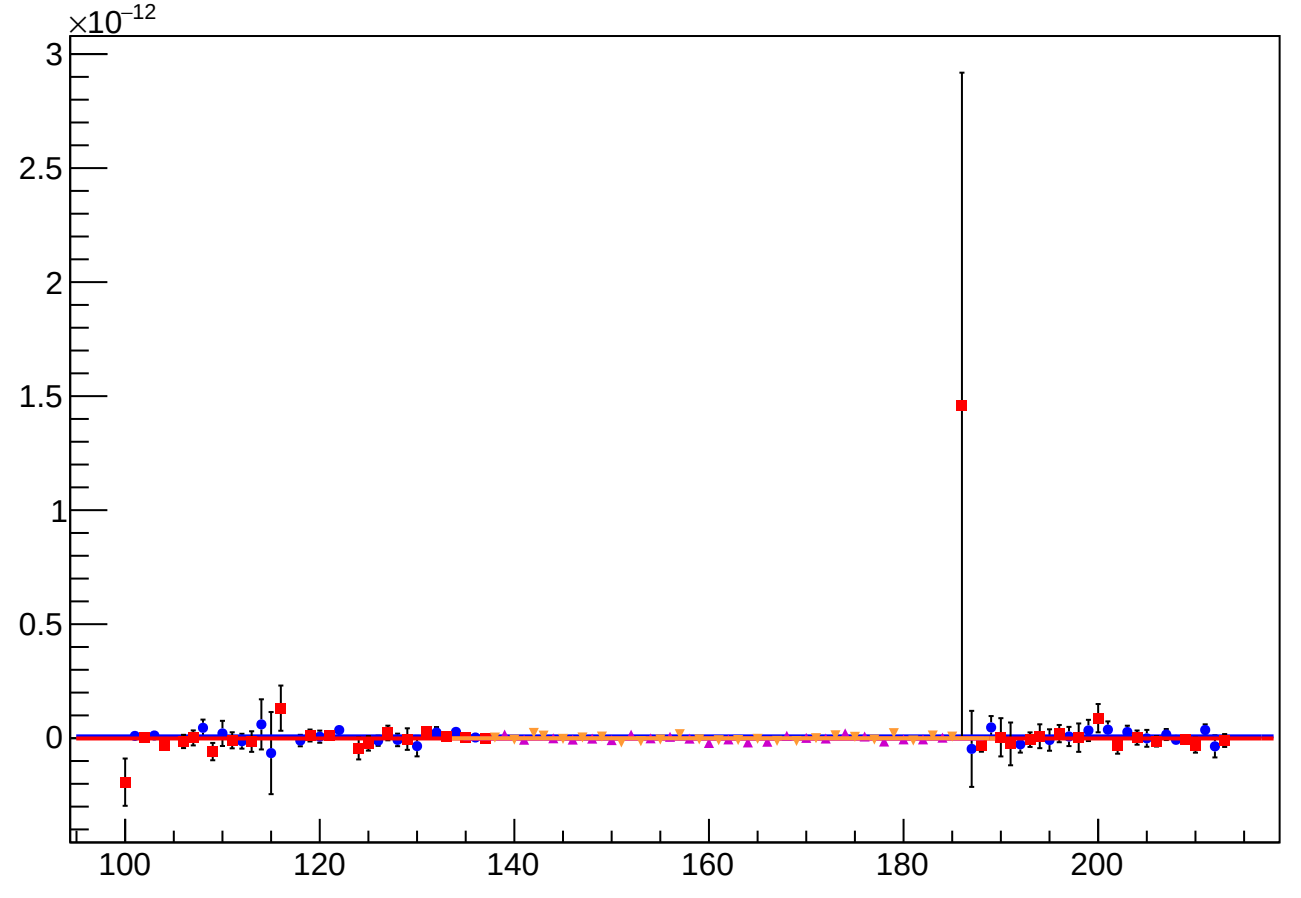
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 32.260+/-0.004 χ^2/NDF: 4996973.6/62

In: 32.473+/-0.004 χ^2/NDF:3748925.0/51

Out: 32.847+/-0.004 χ^2/NDF:3915049.3/58

All: 32.664+/-0.003 χ^2/NDF: 7668466.5/110



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/28

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

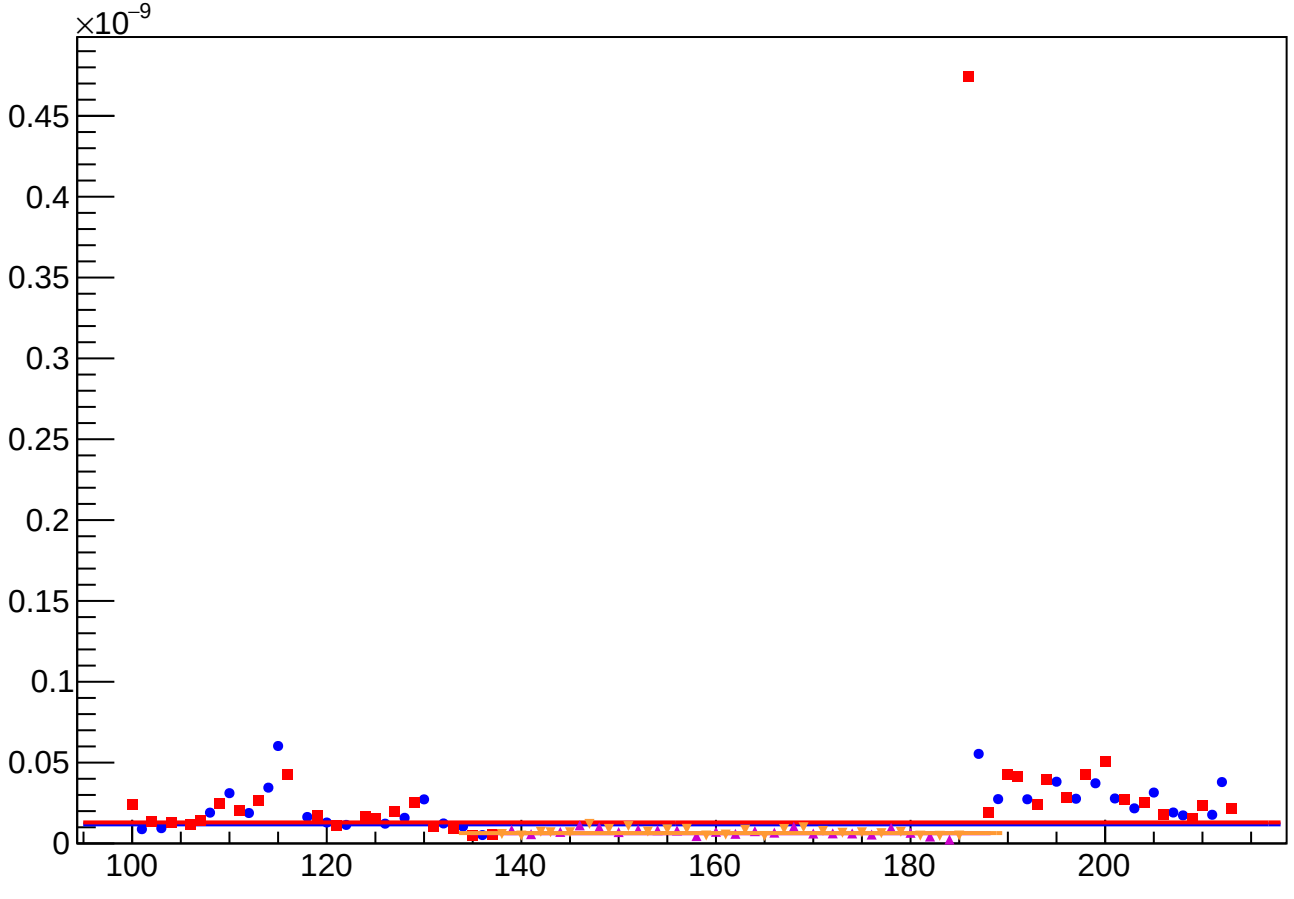
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 39.4/62

In: 0.000+/-0.000 χ^2/NDF:43.9/51

Out: -0.000+/-0.000 χ^2/NDF:53.7/58

All: -0.000+/-0.000 χ^2/NDF: 97.7/110



Right In: 0.000+/-0.000 χ^2/NDF: 7640085.3/28

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

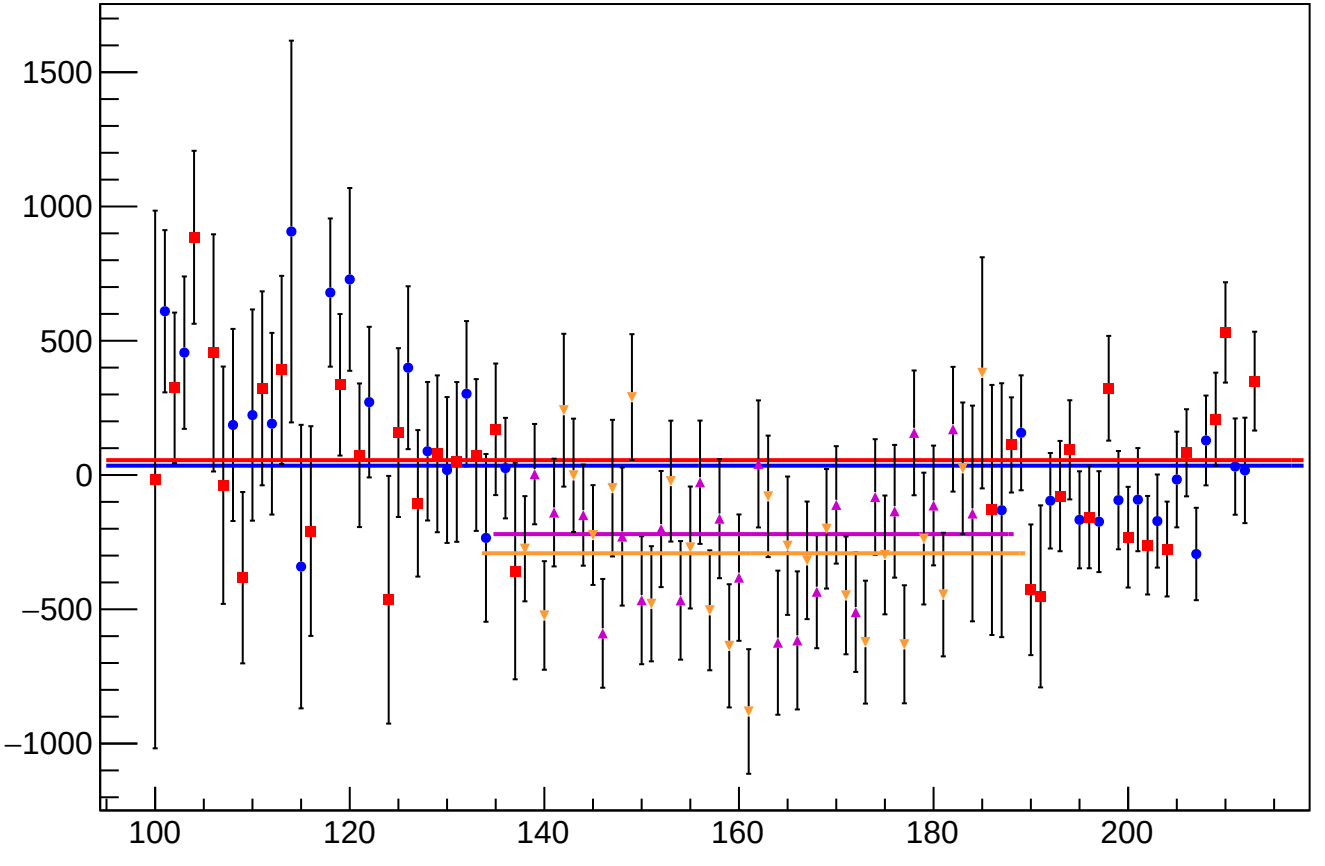
Right: 0.000+/-0.000 χ^2/NDF: 15353120.2/62

In: 0.000+/-0.000 χ^2/NDF:12736266.1/51

Out: 0.000+/-0.000 χ^2/NDF:13487643.8/58

All: 0.000+/-0.000 χ^2/NDF: 26231570.8/110

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 34.809+/-42.892 χ^2/NDF: 31.9/28

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

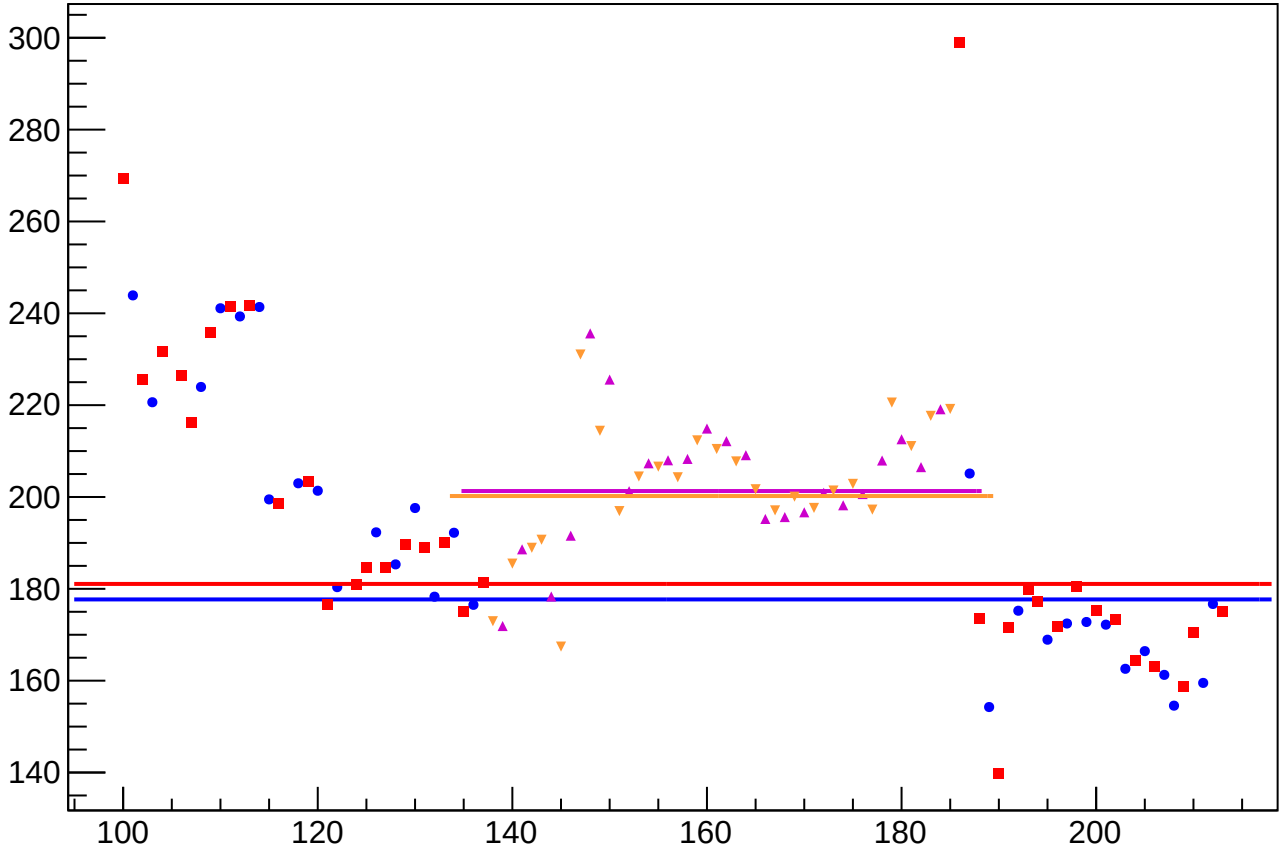
Right: 45.371+/-29.977 χ^2/NDF: 77.1/62

In: -80.573+/-31.727 χ^2/NDF:71.6/51

Out: -103.291+/-30.862 χ^2/NDF:112.8/58

All: -92.246+/-22.122 χ^2/NDF: 184.6/110

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 177.693+/-0.030 χ^2/NDF: 502058.2/28

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

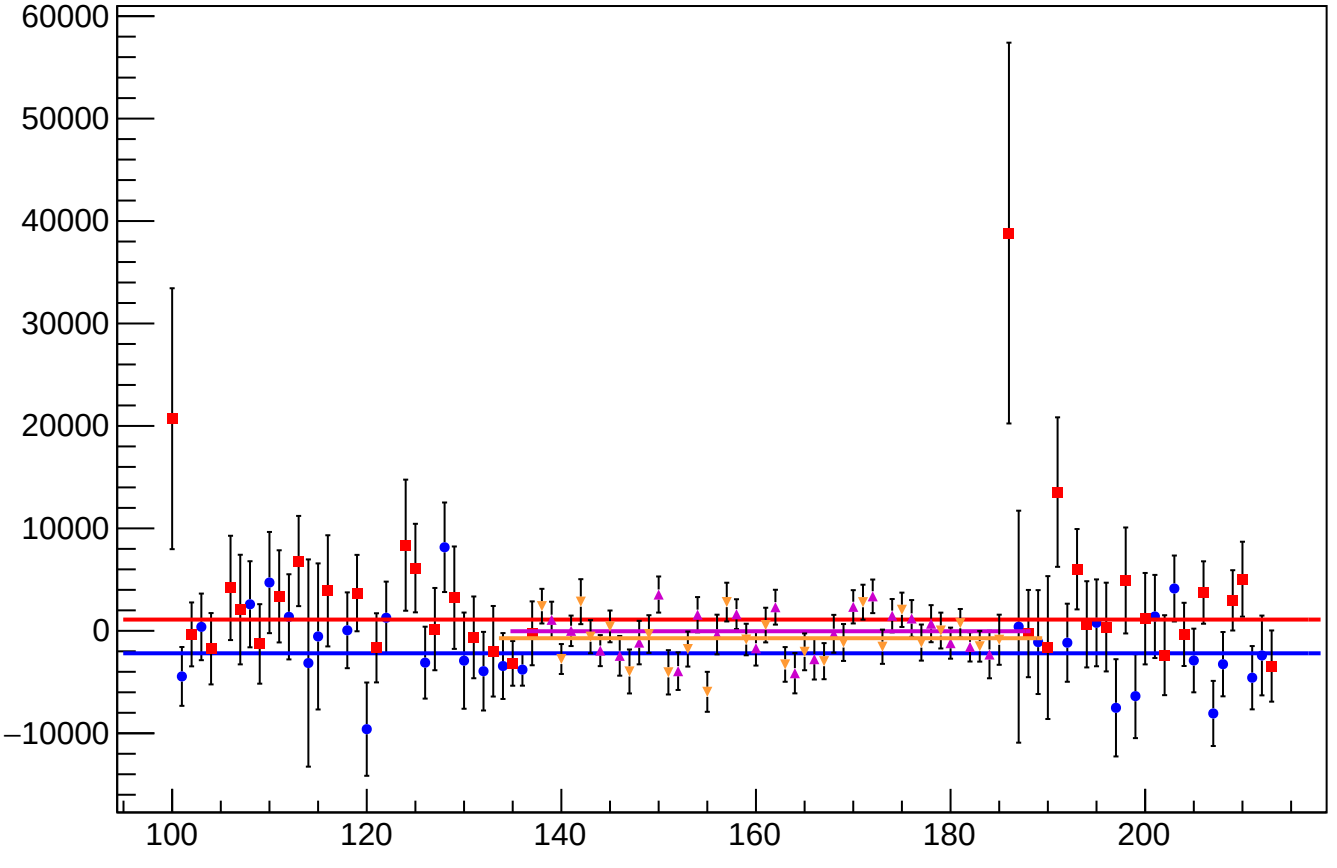
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 179.419+/-0.021 χ^2/NDF: 1144754.4/62

In: 188.383+/-0.022 χ^2/NDF:958003.4/51

Out: 189.830+/-0.022 χ^2/NDF:1031752.3/58

All: 189.127+/-0.016 χ^2/NDF: 1991895.9/110



Right In: -2192.553+/-664.868 χ^2/NDF: 28.2/28

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

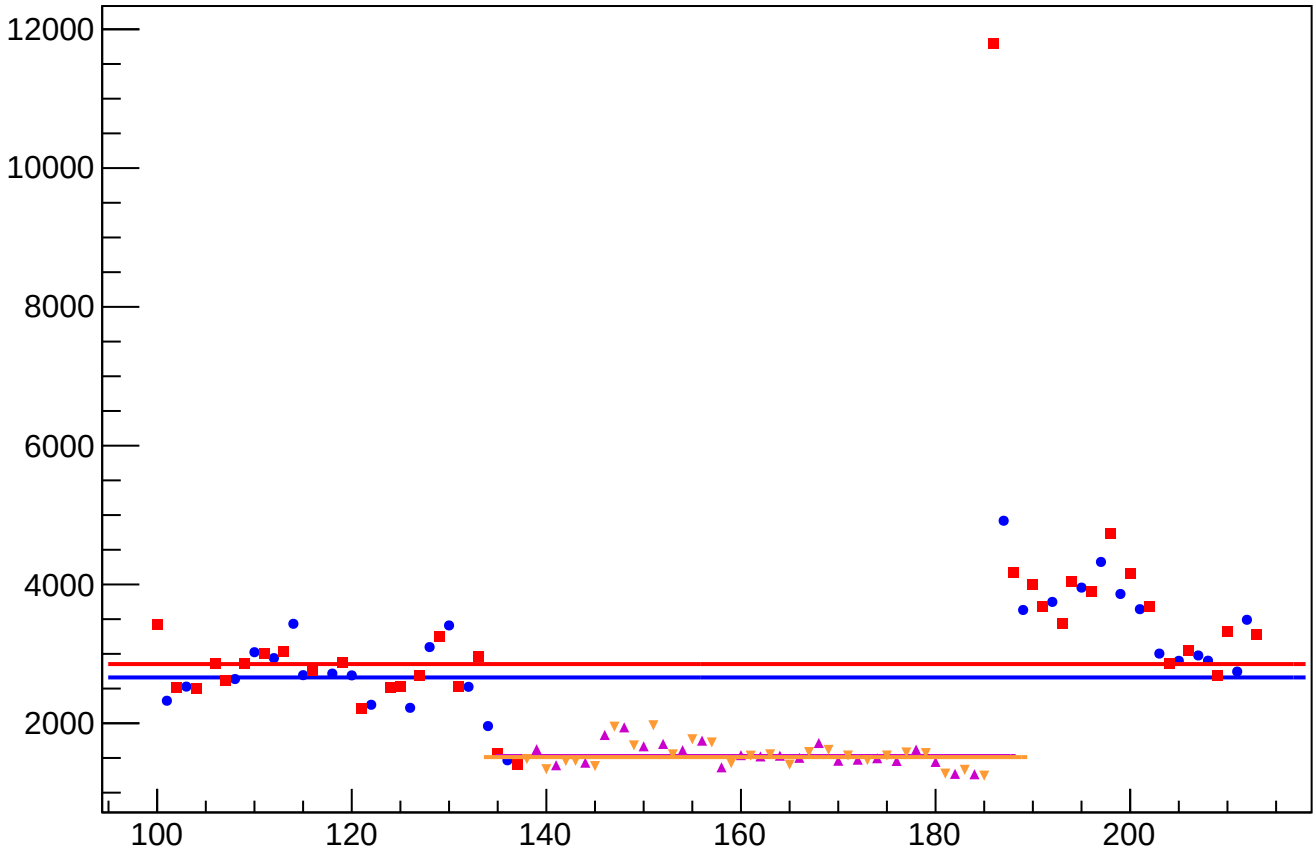
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -590.431+/-476.360 χ^2/NDF: 69.5/62

In: -525.910+/-316.072 χ^2/NDF:70.7/51

Out: -348.199+/-308.906 χ^2/NDF:73.4/58

All: -435.017+/-220.920 χ^2/NDF: 144.2/110



Right In: 2660.274+/-0.470 χ^2/NDF: 2650325.1/28

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

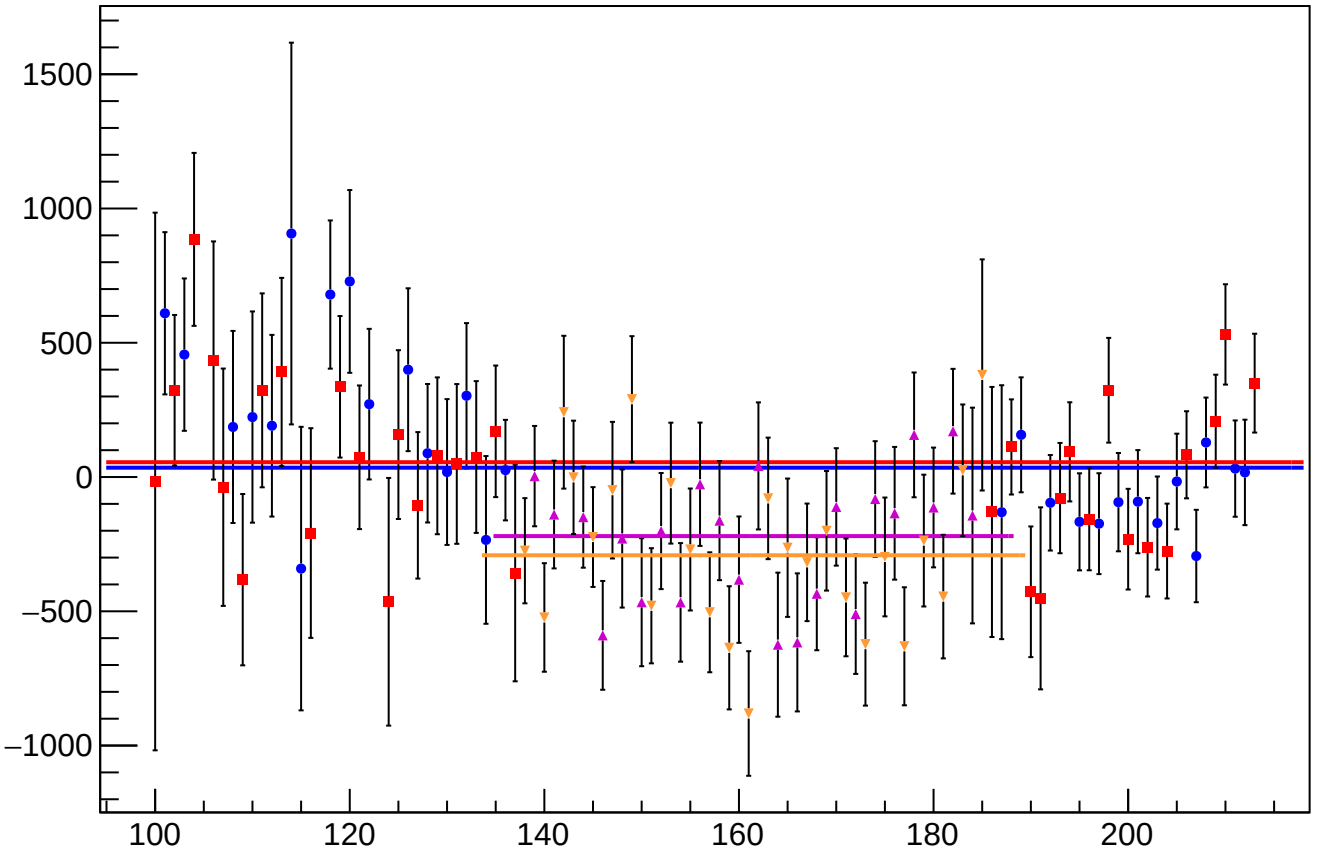
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2754.051+/-0.337 χ^2/NDF: 5705412.8/62

In: 1783.862+/-0.223 χ^2/NDF:7514022.7/51

Out: 1786.721+/-0.218 χ^2/NDF:9547149.2/58

All: 1785.324+/-0.156 χ^2/NDF: 17061255.6/1



Right In: 34.799+/-42.892 χ^2/NDF: 31.9/28

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

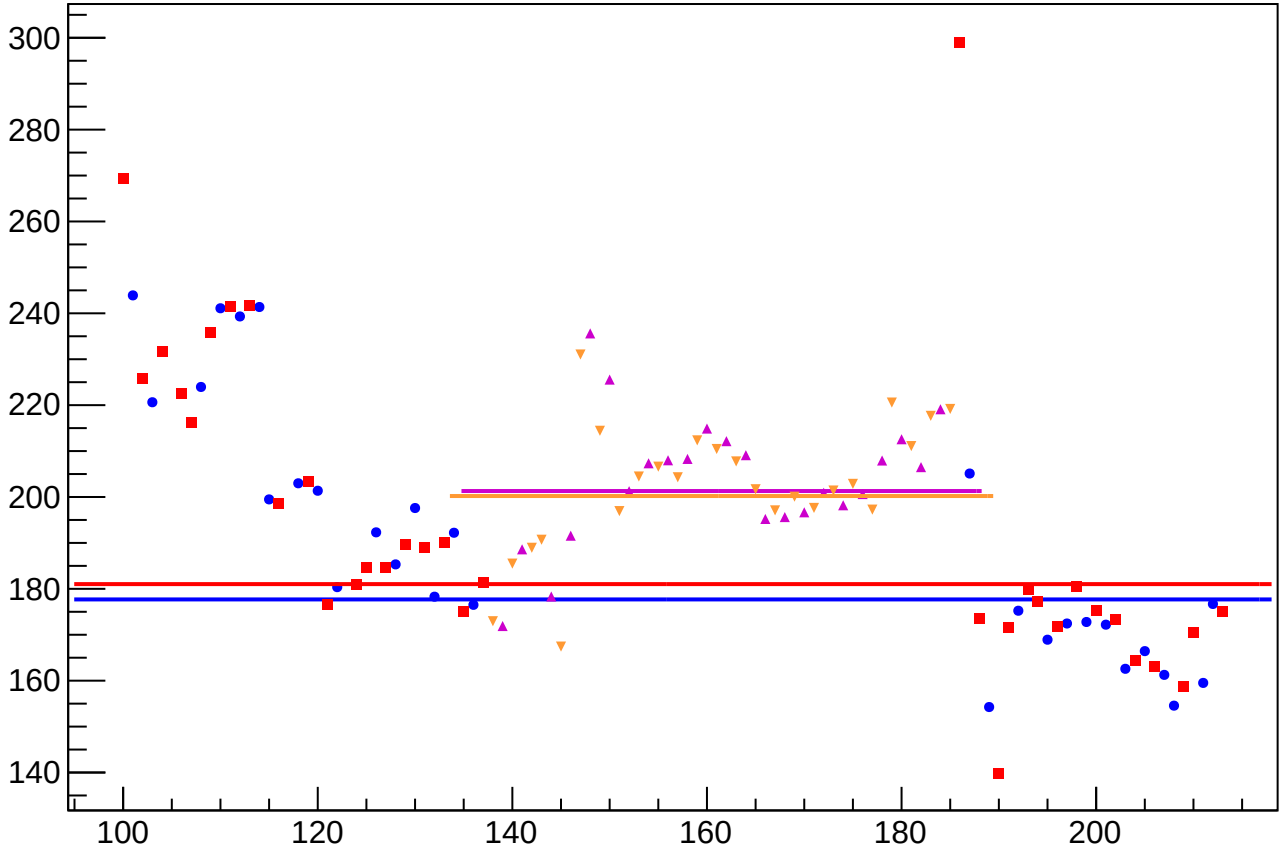
Right: 45.233+/-29.978 χ^2/NDF: 77.0/62

In: -80.581+/-31.727 χ^2/NDF:71.6/51

Out: -103.440+/-30.863 χ^2/NDF:112.6/58

All: -92.326+/-22.123 χ^2/NDF: 184.5/110

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 177.693+/-0.030 χ^2/NDF: 502058.7/28

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

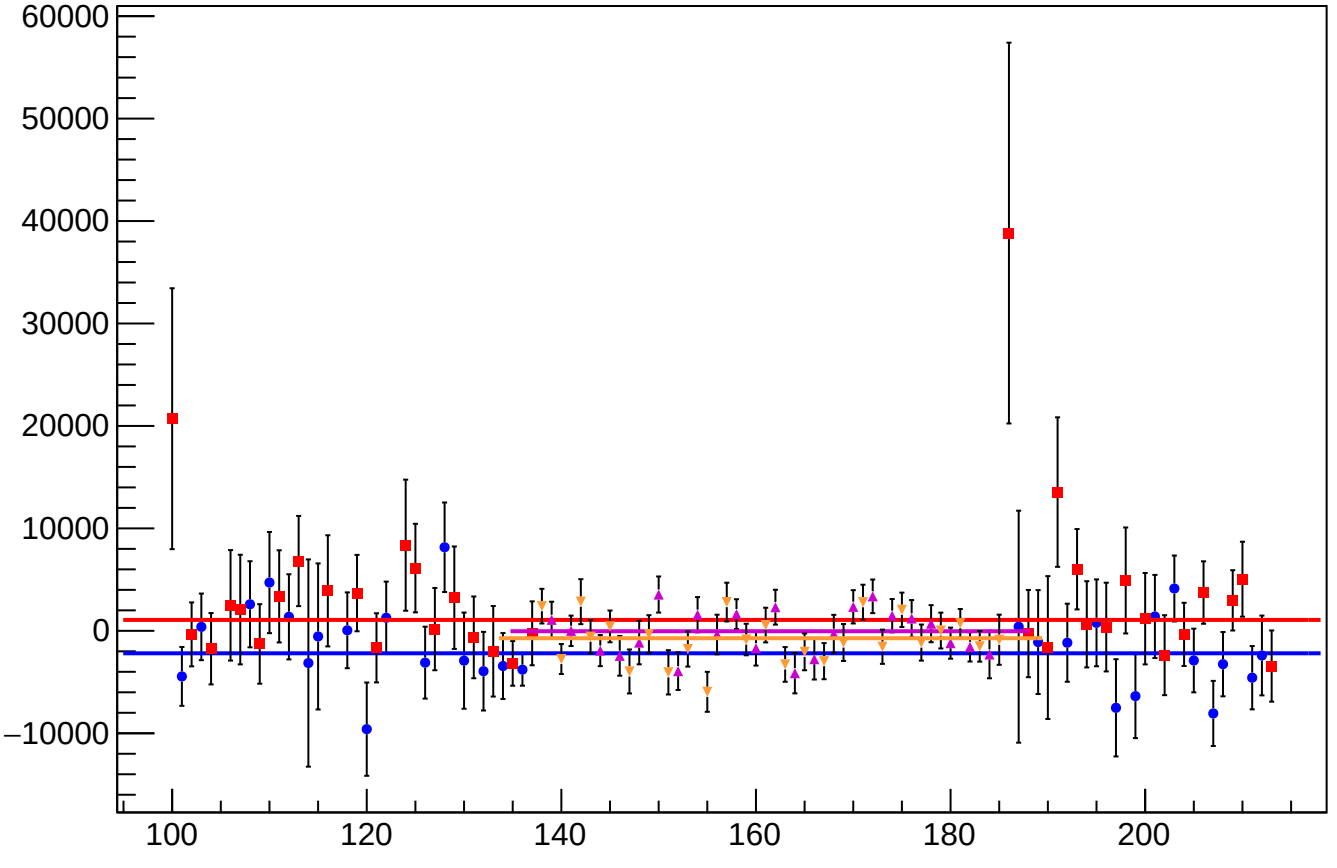
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 179.400+/-0.021 χ^2/NDF: 1141084.5/62

In: 188.383+/-0.022 χ^2/NDF:958003.9/51

Out: 189.810+/-0.022 χ^2/NDF:1028965.8/58

All: 189.116+/-0.016 χ^2/NDF: 1989051.2/110



Right In: -2192.539+/-664.869 χ^2/NDF: 28.2/28

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

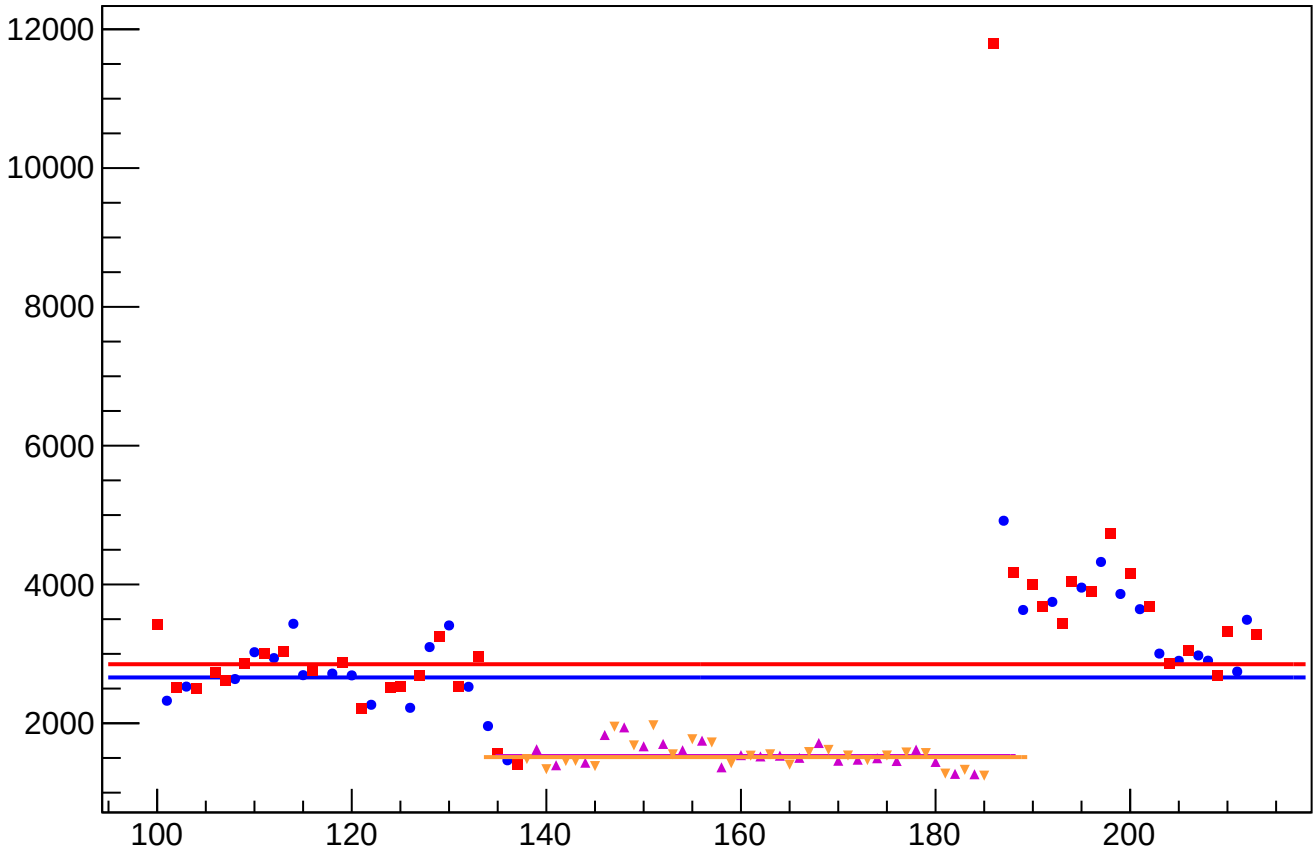
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -608.204+/-476.591 χ^2/NDF: 69.0/62

In: -525.904+/-316.072 χ^2/NDF:70.7/51

Out: -355.577+/-308.969 χ^2/NDF:72.9/58

All: -438.805+/-220.943 χ^2/NDF: 143.7/110



Right In: 2660.277+/-0.470 χ^2/NDF: 2650318.6/28

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

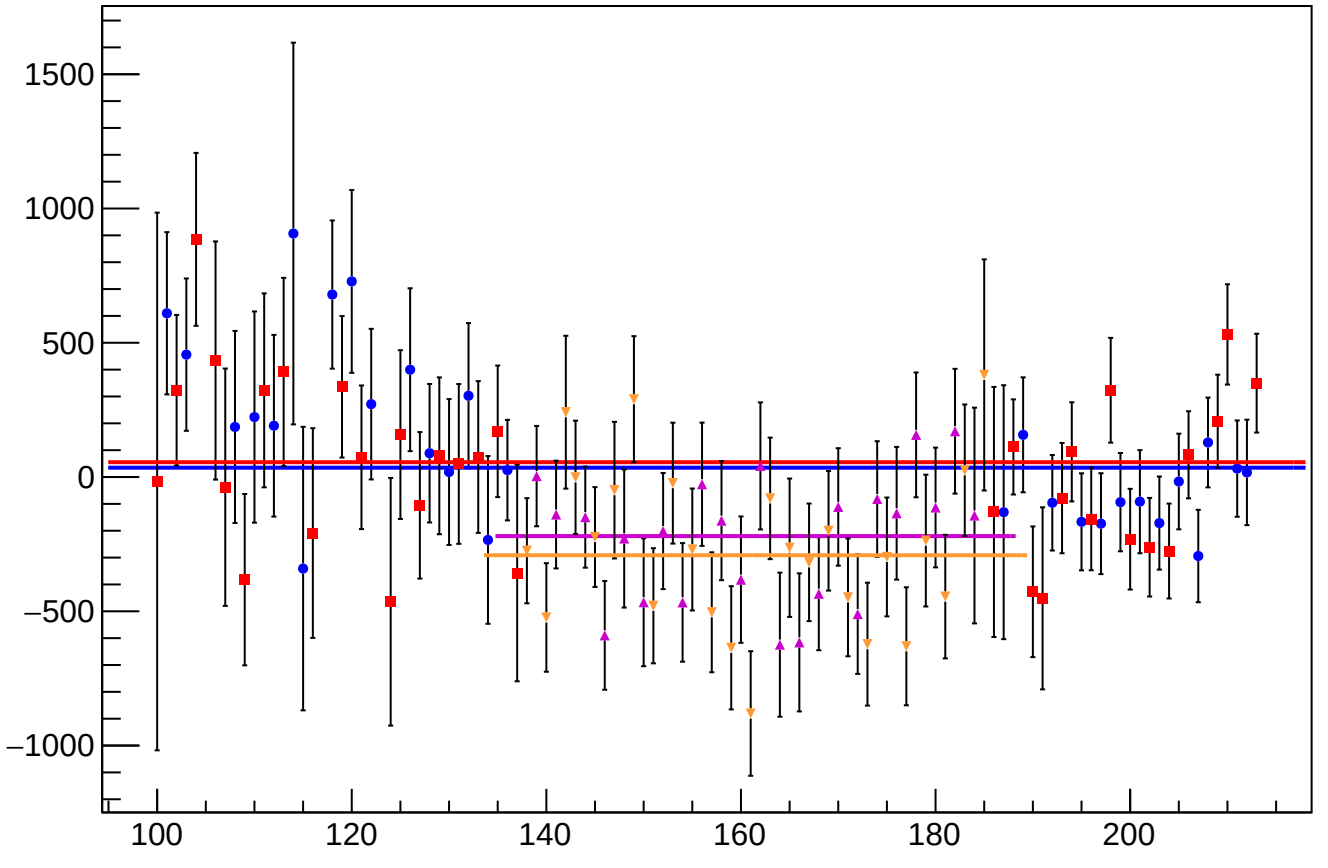
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2752.907+/-0.337 χ^2/NDF: 5704344.1/62

In: 1783.863+/-0.223 χ^2/NDF:7514032.5/51

Out: 1785.845+/-0.218 χ^2/NDF:9518571.4/58

All: 1784.876+/-0.156 χ^2/NDF: 17032644.2/



Right In: 34.799+/-42.892 χ^2/NDF: 31.9/28

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

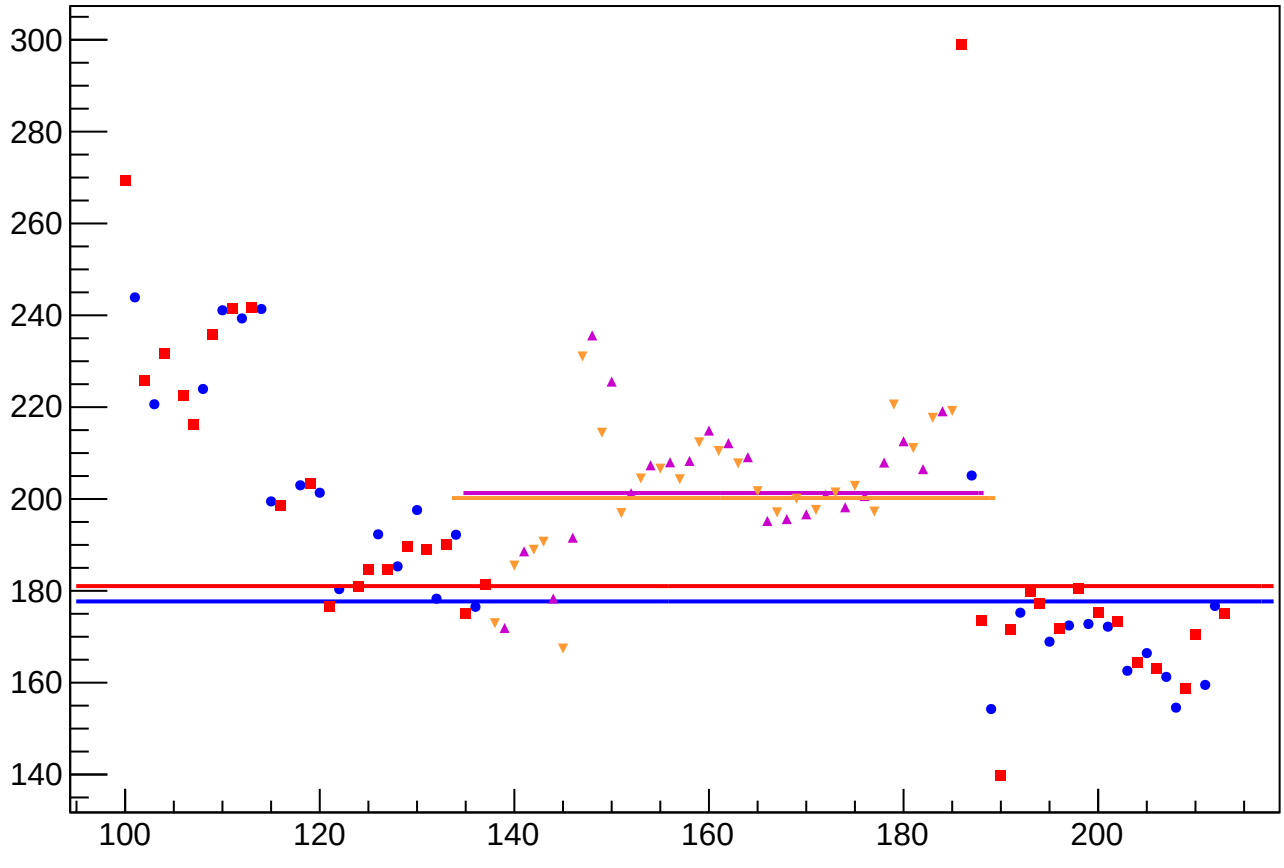
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 45.233+/-29.978 χ^2/NDF: 77.0/62

In: -80.581+/-31.727 χ^2/NDF:71.6/51

Out: -103.440+/-30.863 χ^2/NDF:112.6/58

All: -92.326+/-22.123 χ^2/NDF: 184.5/110



Right In: 177.693+/-0.030 χ^2/NDF: 502058.7/28

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

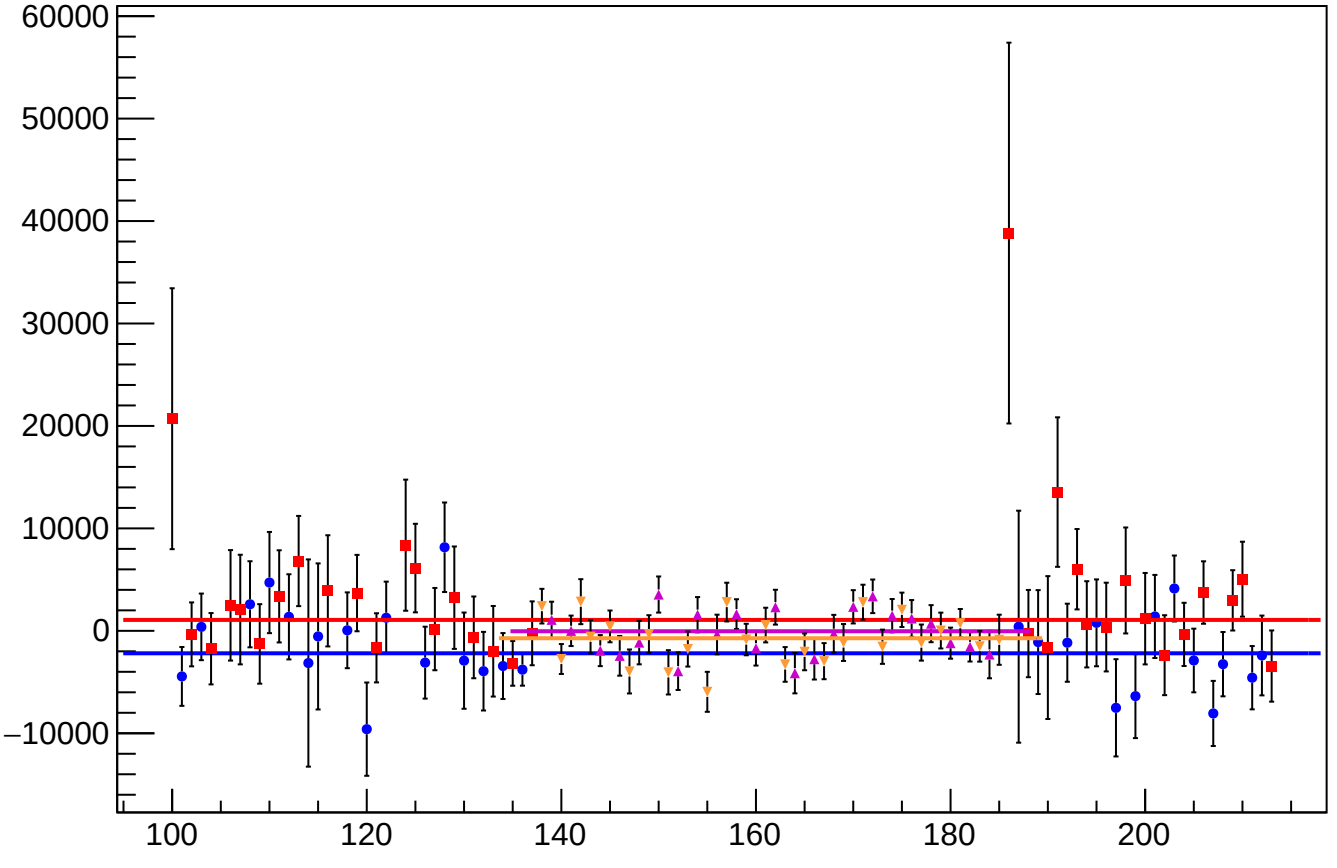
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 179.400+/-0.021 χ^2/NDF: 1141084.5/62

In: 188.383+/-0.022 χ^2/NDF:958003.9/51

Out: 189.810+/-0.022 χ^2/NDF:1028965.8/58

All: 189.116+/-0.016 χ^2/NDF: 1989051.2/110



Right In: -2192.539+/-664.869 χ^2/NDF: 28.2/28

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

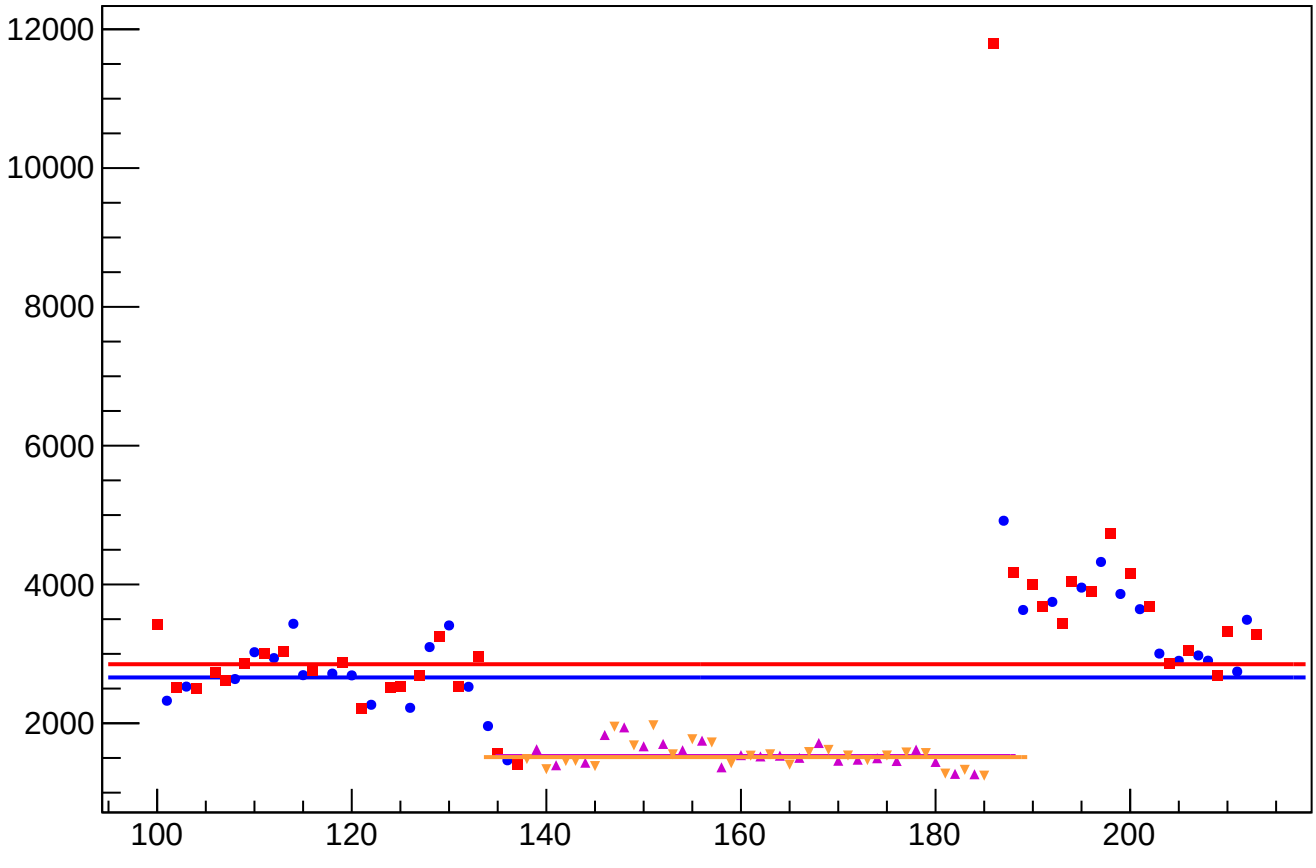
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -608.204+/-476.591 χ^2/NDF: 69.0/62

In: -525.904+/-316.072 χ^2/NDF:70.7/51

Out: -355.577+/-308.969 χ^2/NDF:72.9/58

All: -438.805+/-220.943 χ^2/NDF: 143.7/110



Right In: 2660.277+/-0.470 χ^2/NDF: 2650318.6/28

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

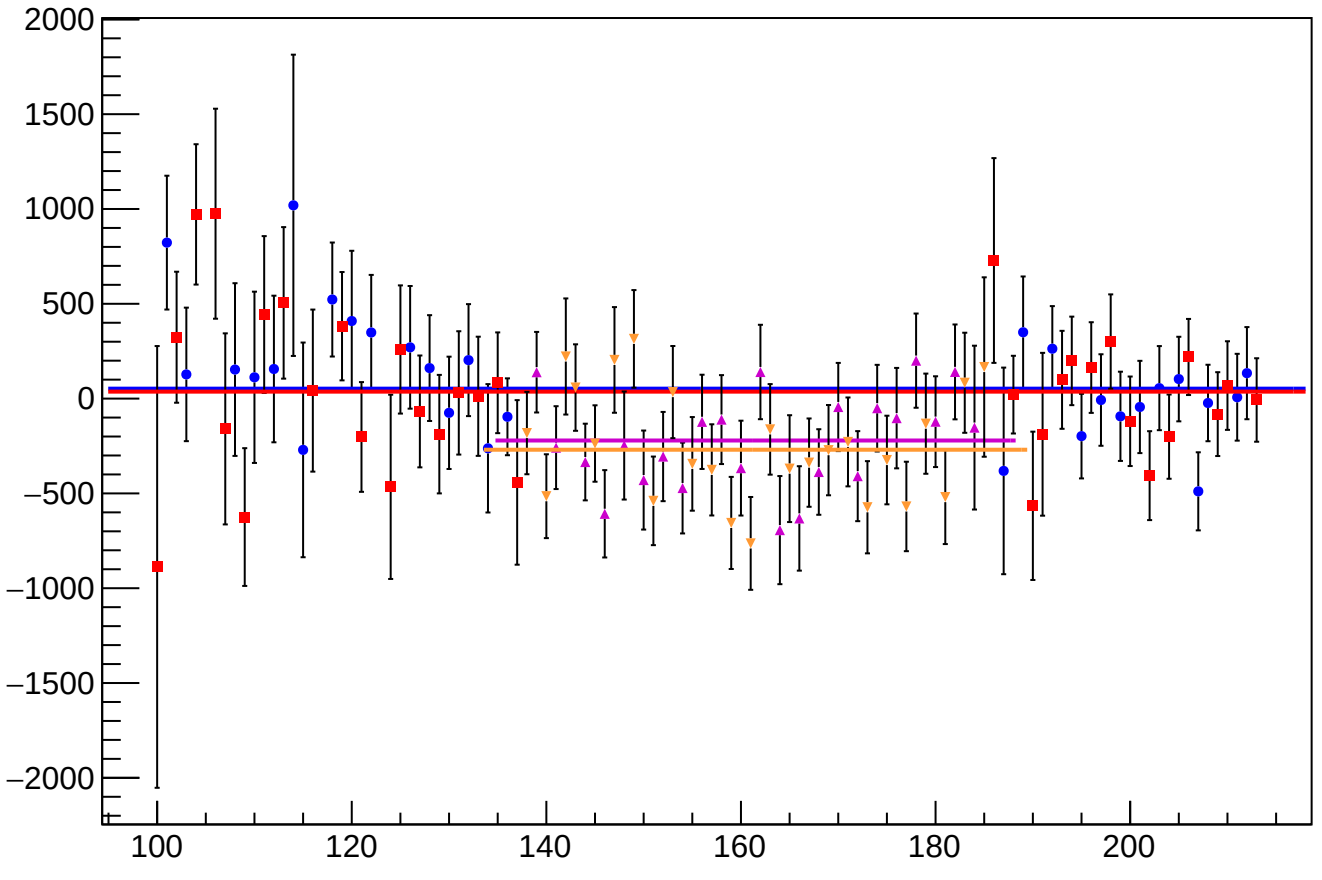
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2752.907+/-0.337 χ^2/NDF: 5704344.1/62

In: 1783.863+/-0.223 χ^2/NDF:7514032.5/51

Out: 1785.845+/-0.218 χ^2/NDF:9518571.4/58

All: 1784.876+/-0.156 χ^2/NDF: 17032644.2/



Right In: 52.421+/-51.546 χ^2/NDF: 25.2/28

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

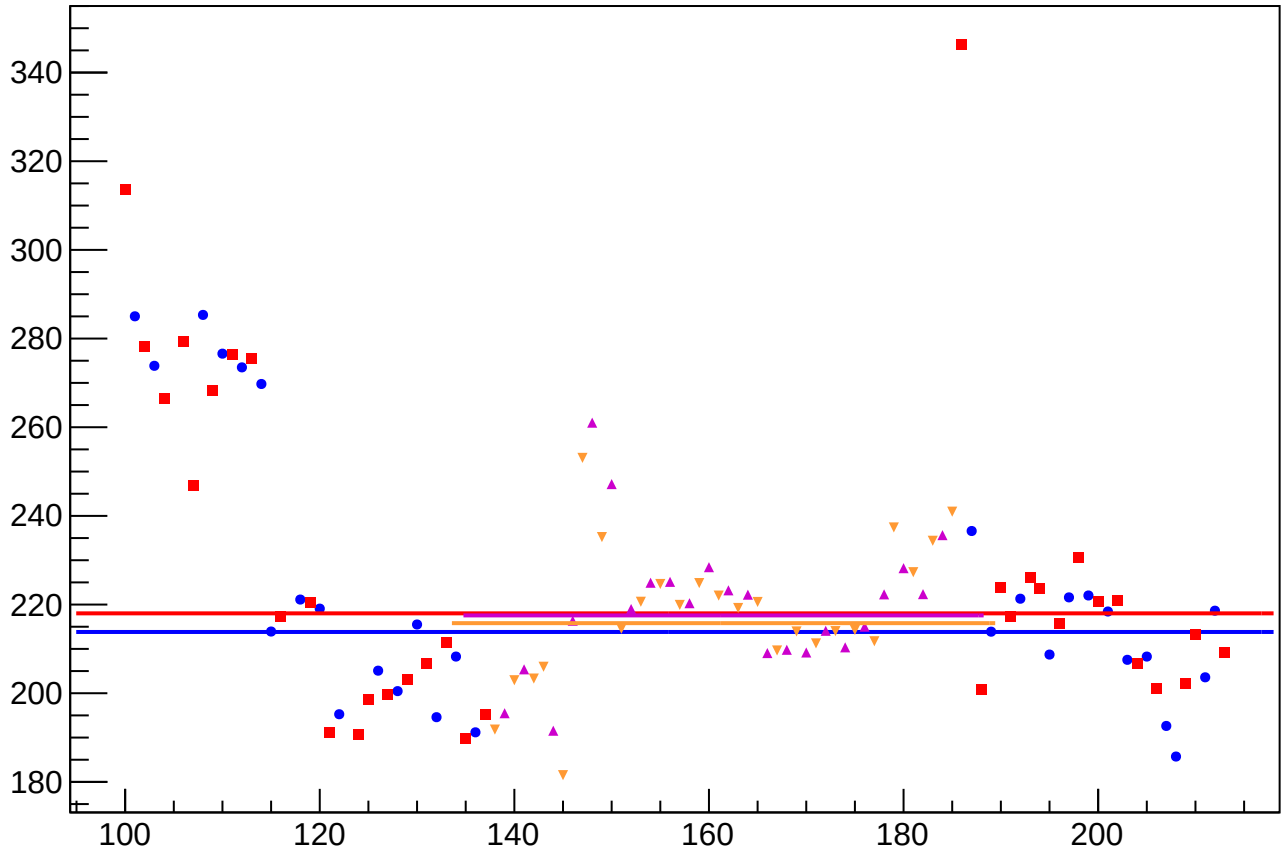
Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

Right: 44.398+/-36.039 χ^2/NDF: 59.7/62

In: -85.828+/-36.238 χ^2/NDF:62.8/51

Out: -120.319+/-35.193 χ^2/NDF:84.9/58

All: -103.578+/-25.247 χ^2/NDF: 148.1/110



Right In: 213.818+/-0.036 χ^2/NDF: 413884.4/28

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

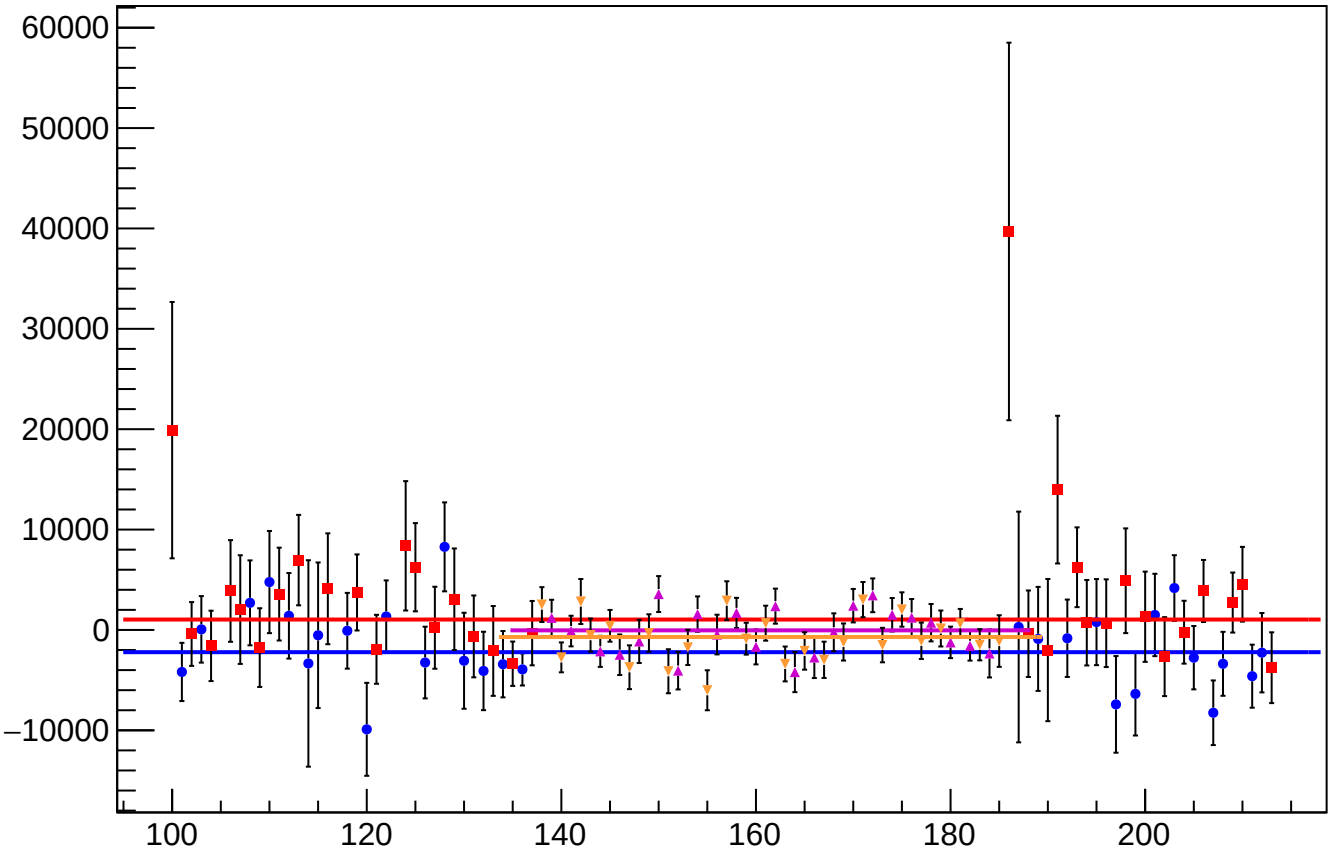
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 215.965+/-0.025 χ^2/NDF: 924194.4/62

In: 215.708+/-0.026 χ^2/NDF:580265.9/51

Out: 216.884+/-0.025 χ^2/NDF:694196.2/58

All: 216.313+/-0.018 χ^2/NDF: 1275546.7/110



Right In: -2214.767+/-676.850 χ^2/NDF: 28.0/28

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

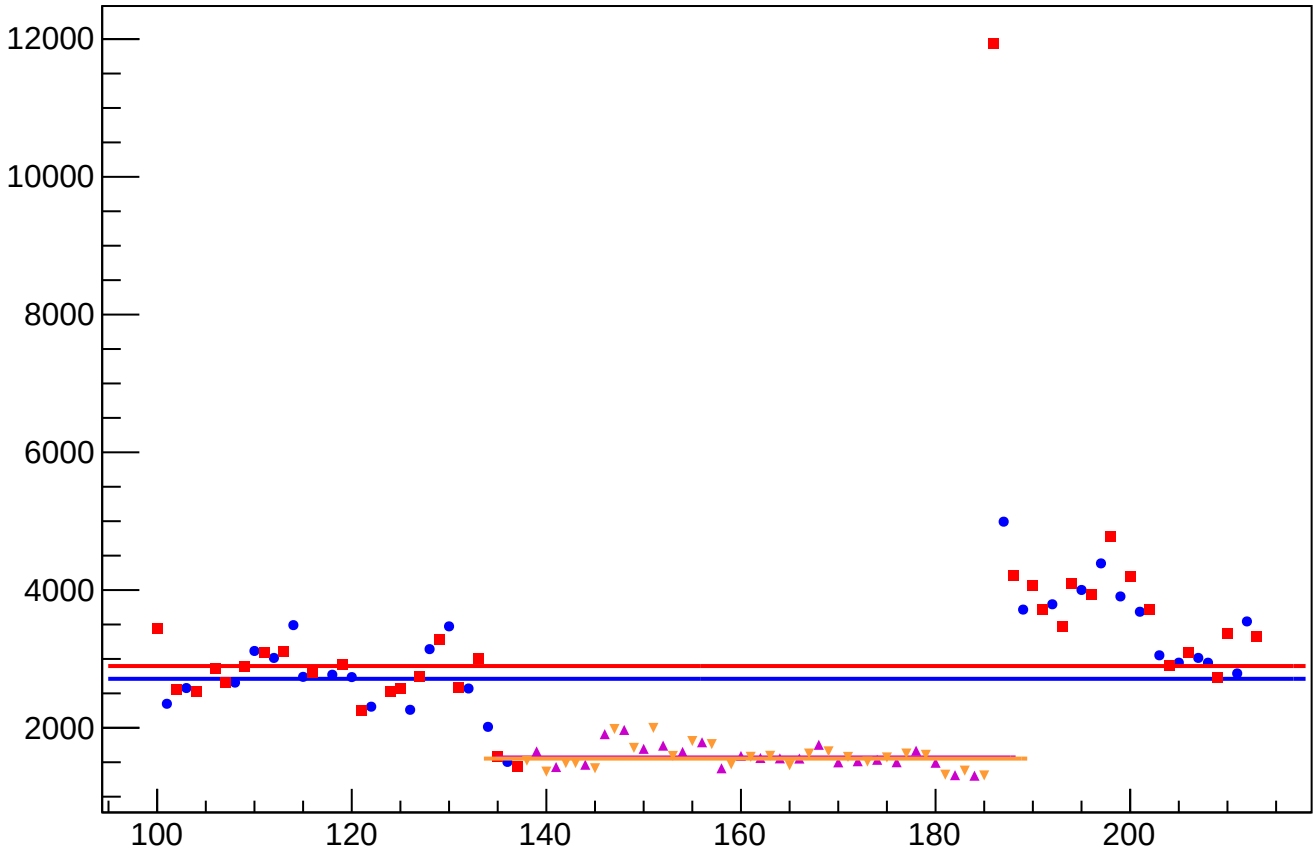
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -626.268+/-484.178 χ^2/NDF: 69.3/62

In: -537.747+/-323.896 χ^2/NDF:70.3/51

Out: -340.980+/-316.272 χ^2/NDF:72.6/58

All: -437.020+/-226.285 χ^2/NDF: 143.1/110



Right In: 2711.384+/-0.479 χ^2/NDF: 2585545.3/28

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

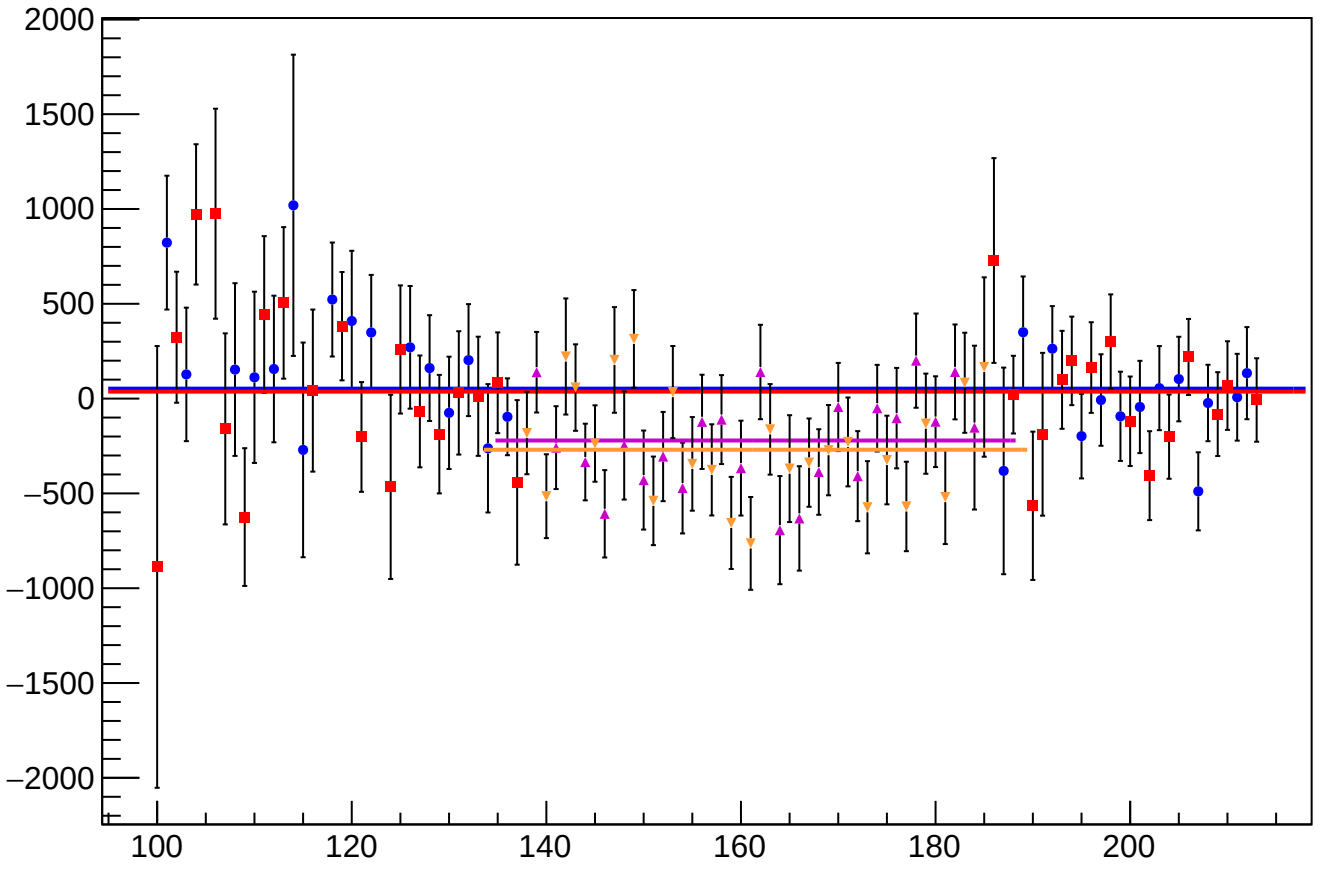
Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

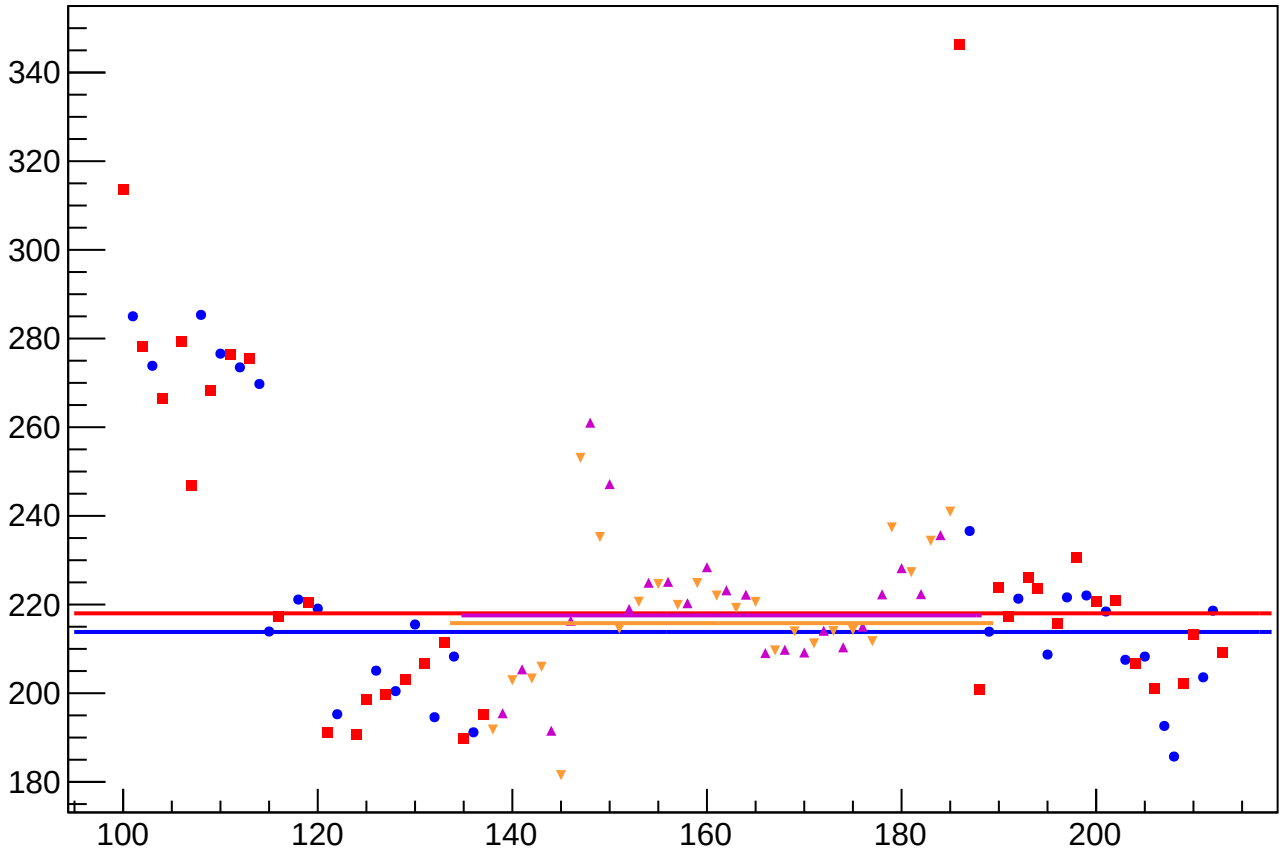
Right: 2801.936+/-0.342 χ^2/NDF: 5591497.2/62

In: 1830.896+/-0.229 χ^2/NDF:7332722.5/51

Out: 1832.999+/-0.224 χ^2/NDF:9297948.9/58

All: 1831.972+/-0.160 χ^2/NDF: 16630714.5/1


eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
120
140
160
180
200
Right In: 52.424+/-51.546 χ²/NDF: 25.2/28
Left Out: -269.680+/-49.158 χ²/NDF:31.5/24
Right Out: 36.726+/-50.407 χ²/NDF: 34.5/33
Left In: -220.927+/-50.956 χ²/NDF:23.4/22
Left: -246.179+/-35.378 χ²/NDF: 55.3/47
Right: 44.400+/-36.039 χ²/NDF: 59.7/62
In: -85.827+/-36.238 χ²/NDF:62.8/51
Out: -120.320+/-35.193 χ²/NDF:84.9/58
All: -103.578+/-25.247 χ²/NDF: 148.1/110



Right In: 213.818+/-0.036 χ^2/NDF: 413874.7/28

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

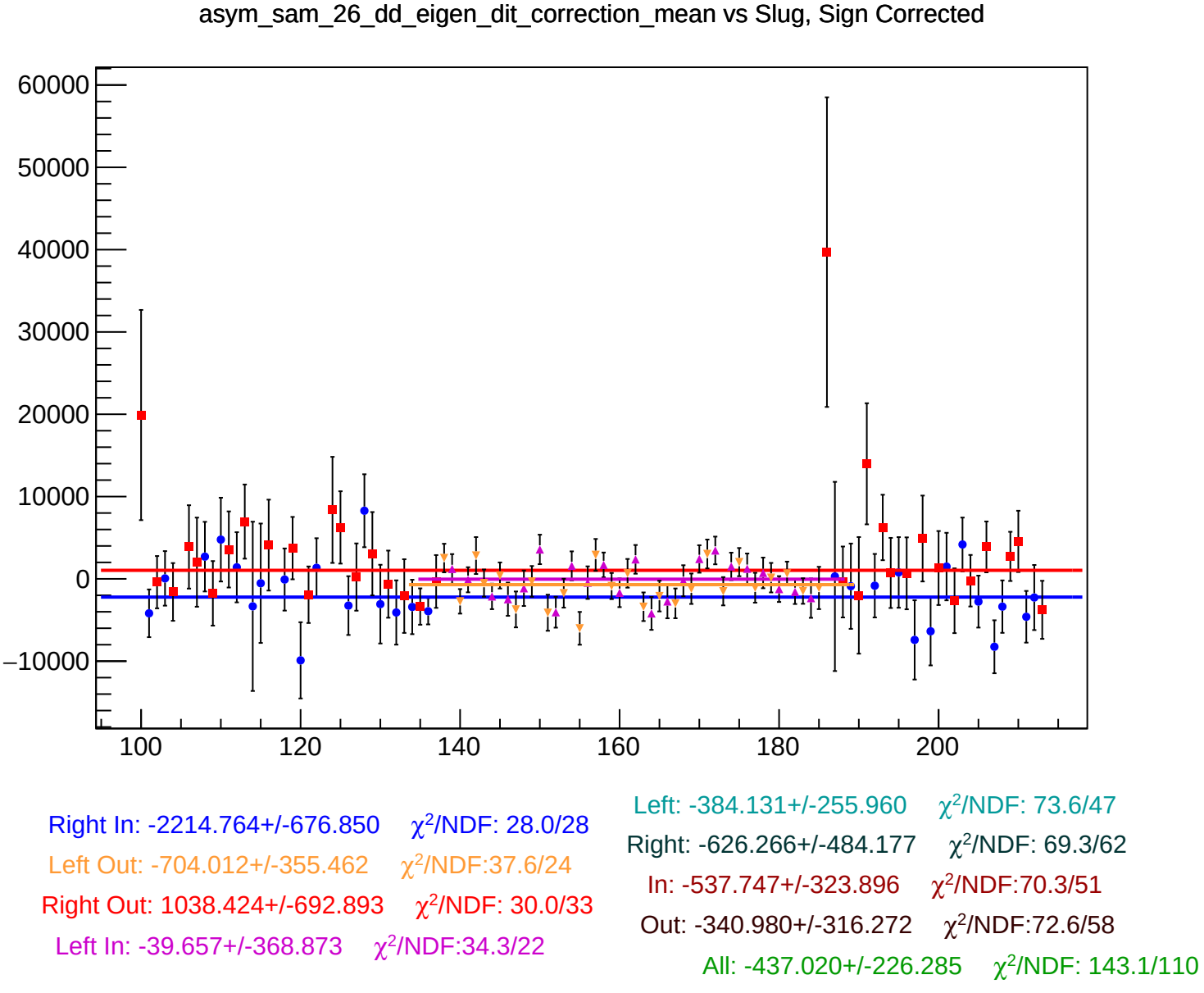
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 215.964+/-0.025 χ^2/NDF: 924166.8/62

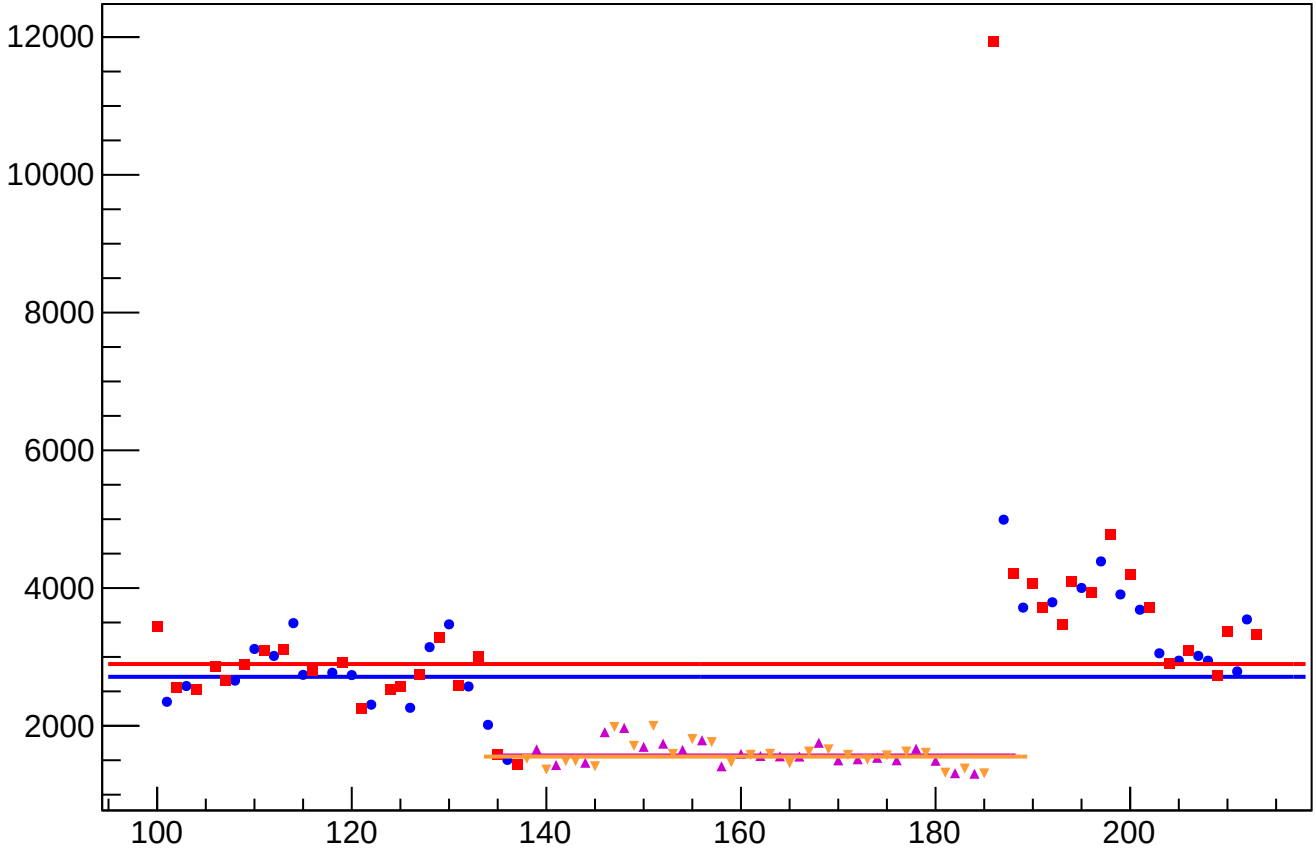
In: 215.708+/-0.026 χ^2/NDF:580259.5/51

Out: 216.884+/-0.025 χ^2/NDF:694181.7/58

All: 216.313+/-0.018 χ^2/NDF: 1275526.0/110


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -2214.764+/-676.850 χ²/NDF: 28.0/28
Left Out: -704.012+/-355.462 χ²/NDF:37.6/24
Right Out: 1038.424+/-692.893 χ²/NDF: 30.0/33
Left In: -39.657+/-368.873 χ²/NDF:34.3/22
Left: -384.131+/-255.960 χ²/NDF: 73.6/47
Right: -626.266+/-484.177 χ²/NDF: 69.3/62
In: -537.747+/-323.896 χ²/NDF:70.3/51
Out: -340.980+/-316.272 χ²/NDF:72.6/58
All: -437.020+/-226.285 χ²/NDF: 143.1/110

asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2711.382+/-0.479 χ^2/NDF: 2585544.0/28

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

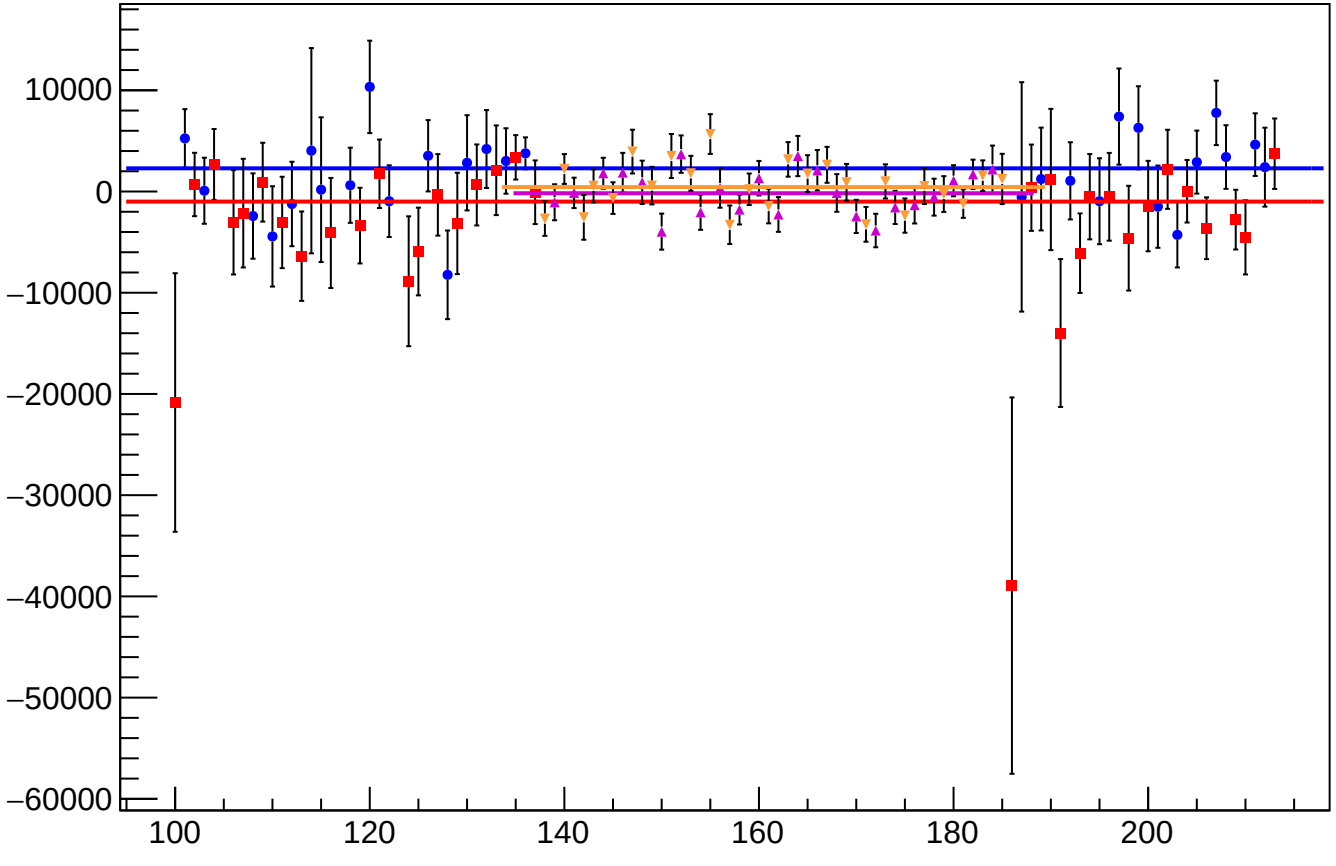
Right: 2801.933+/-0.342 χ^2/NDF: 5591498.6/62

In: 1830.896+/-0.229 χ^2/NDF:7332712.3/51

Out: 1832.999+/-0.224 χ^2/NDF:9297935.2/58

All: 1831.973+/-0.160 χ^2/NDF: 16630690.7/1

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2290.740+/-667.170 χ^2/NDF: 28.3/28

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

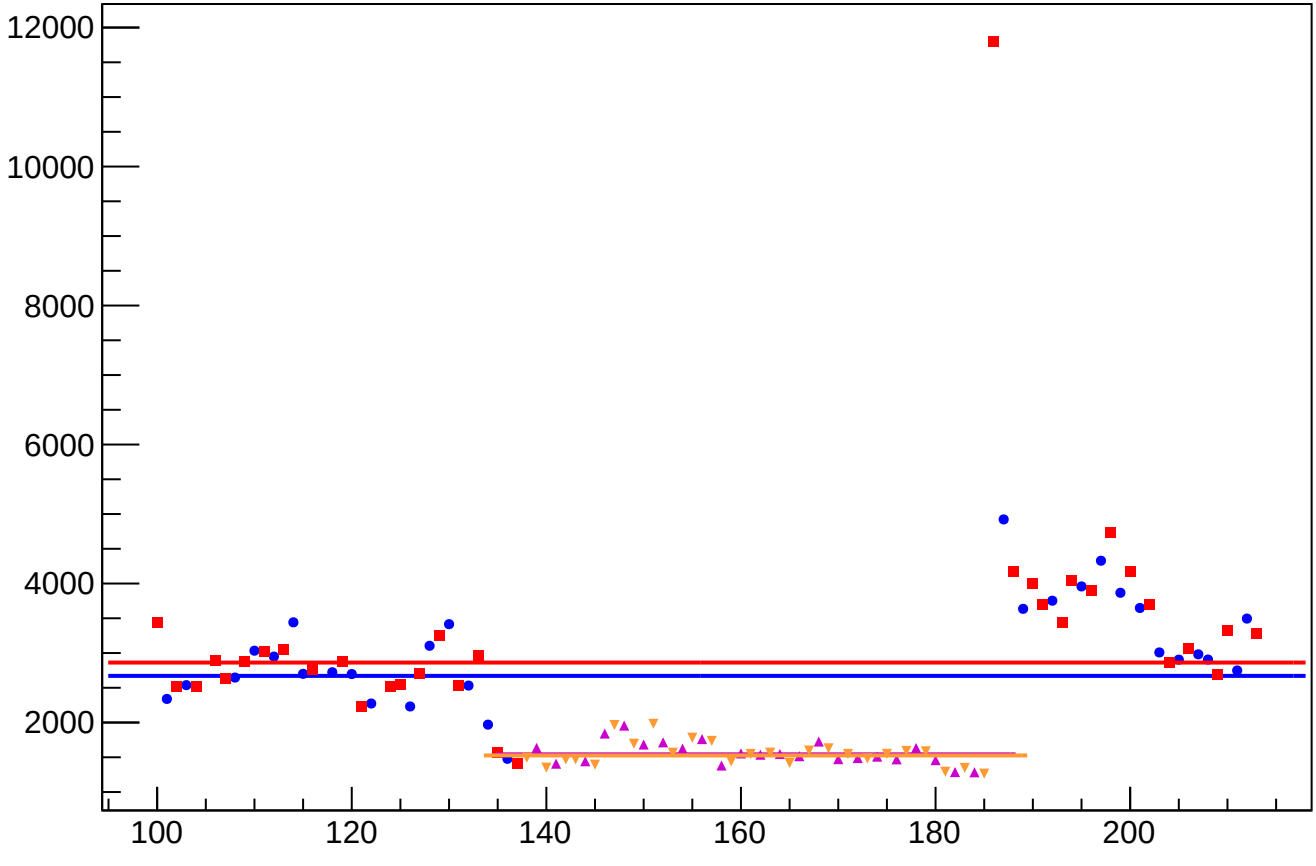
Right: 690.374+/-477.921 χ^2/NDF: 69.6/62

In: 391.127+/-318.554 χ^2/NDF:71.8/51

Out: 141.194+/-311.371 χ^2/NDF:71.8/58

All: 263.311+/-222.669 χ^2/NDF: 143.9/110

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2671.240+/-0.472 χ^2/NDF: 2610106.1/28

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

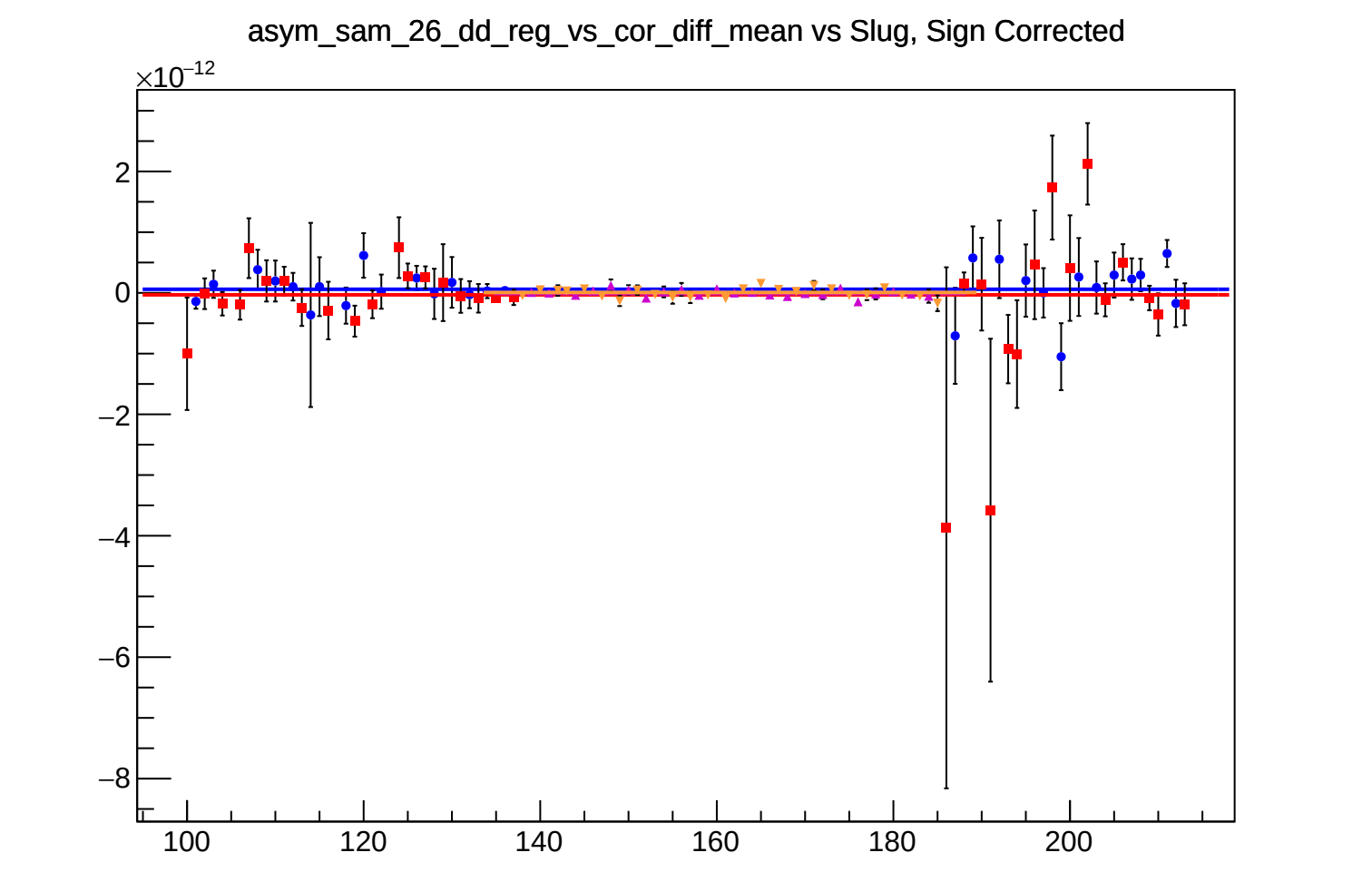
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2764.582+/-0.338 χ^2/NDF: 5630549.4/62

In: 1799.644+/-0.225 χ^2/NDF:7393769.3/51

Out: 1802.867+/-0.220 χ^2/NDF:9408279.5/58

All: 1801.292+/-0.157 χ^2/NDF: 16802153.5/1



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/28

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

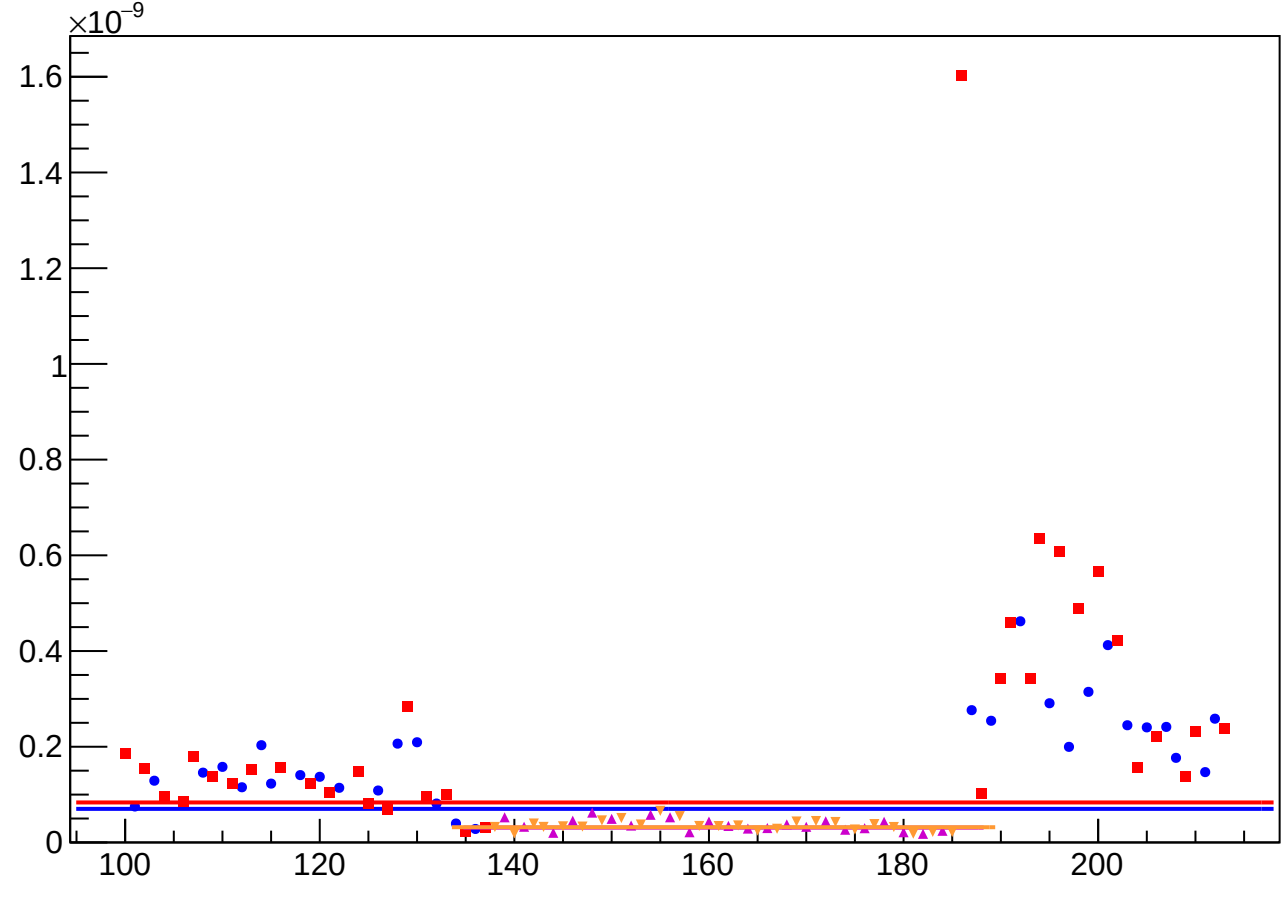
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 72.3/62

In: -0.000+/-0.000 χ^2/NDF:44.9/51

Out: 0.000+/-0.000 χ^2/NDF:76.7/58

All: 0.000+/-0.000 χ^2/NDF: 121.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 7877688.3/28

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

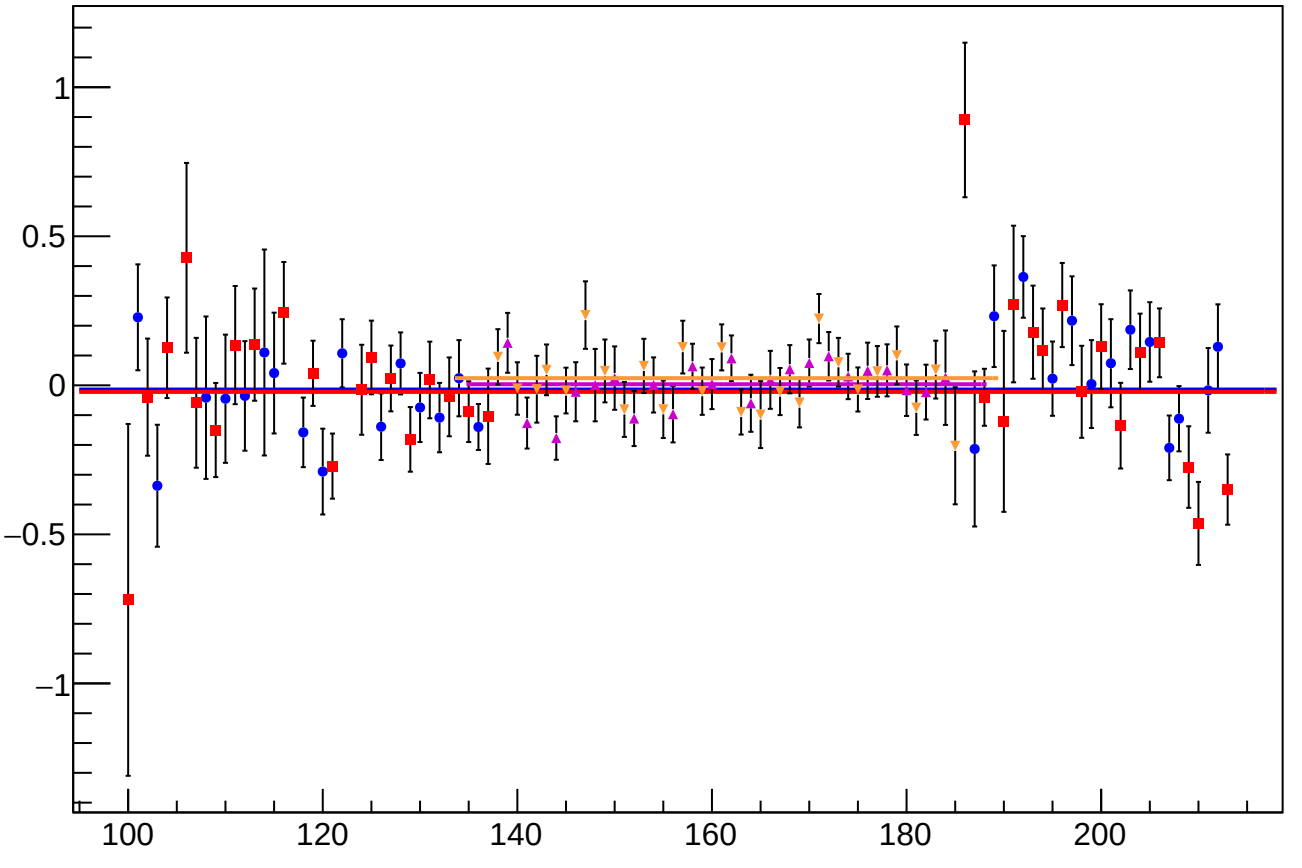
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16396825.6/62

In: 0.000+/-0.000 χ^2/NDF:11747827.8/51

Out: 0.000+/-0.000 χ^2/NDF:12748171.7/58

All: 0.000+/-0.000 χ^2/NDF: 24499151.0/110



Right In: -0.014+/-0.025 χ^2/NDF: 38.5/28

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

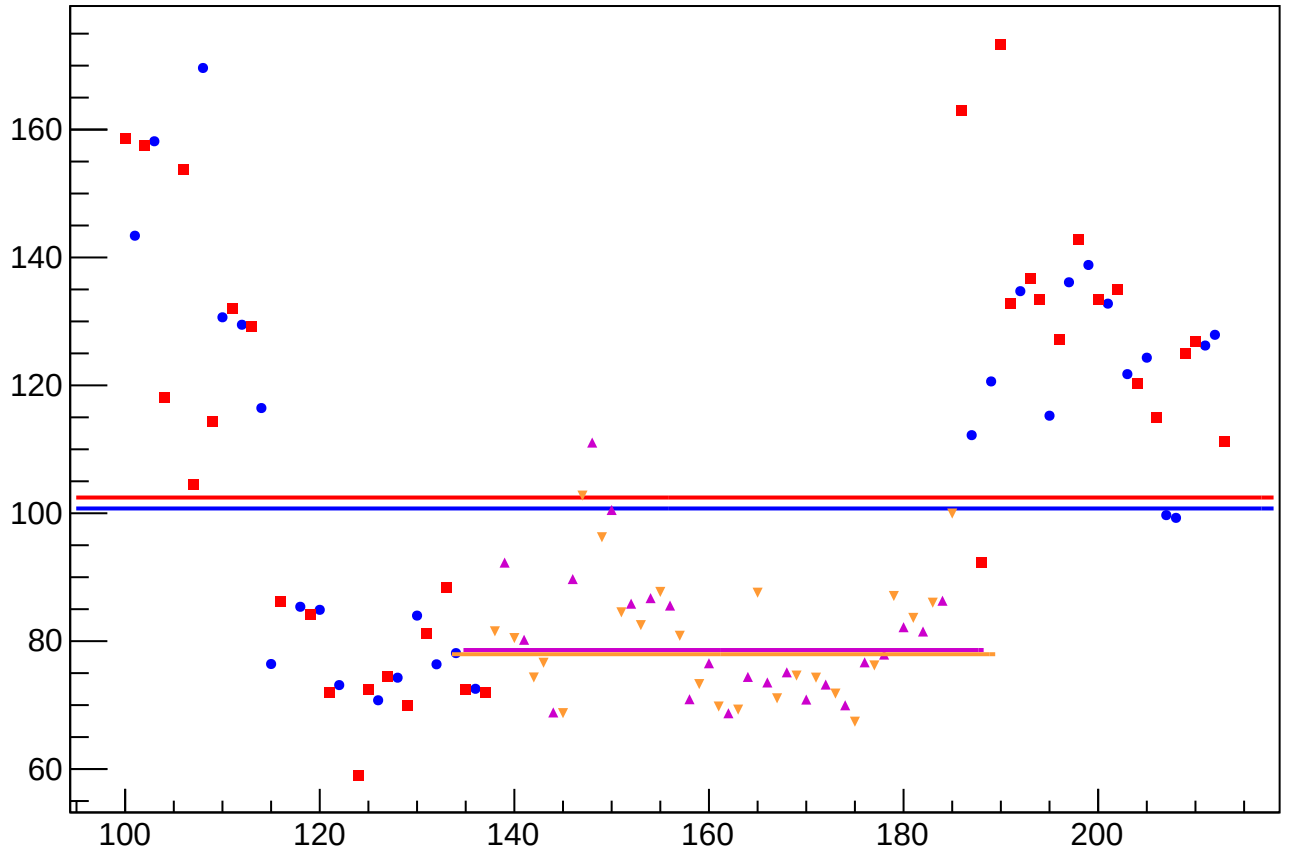
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.018+/-0.018 χ^2/NDF: 103.3/62

In: -0.003+/-0.015 χ^2/NDF:57.7/51

Out: 0.008+/-0.014 χ^2/NDF:92.6/58

All: 0.003+/-0.010 χ^2/NDF: 150.5/110



Right In: 100.748+/-0.018 χ^2/NDF: 2202870.3/28

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

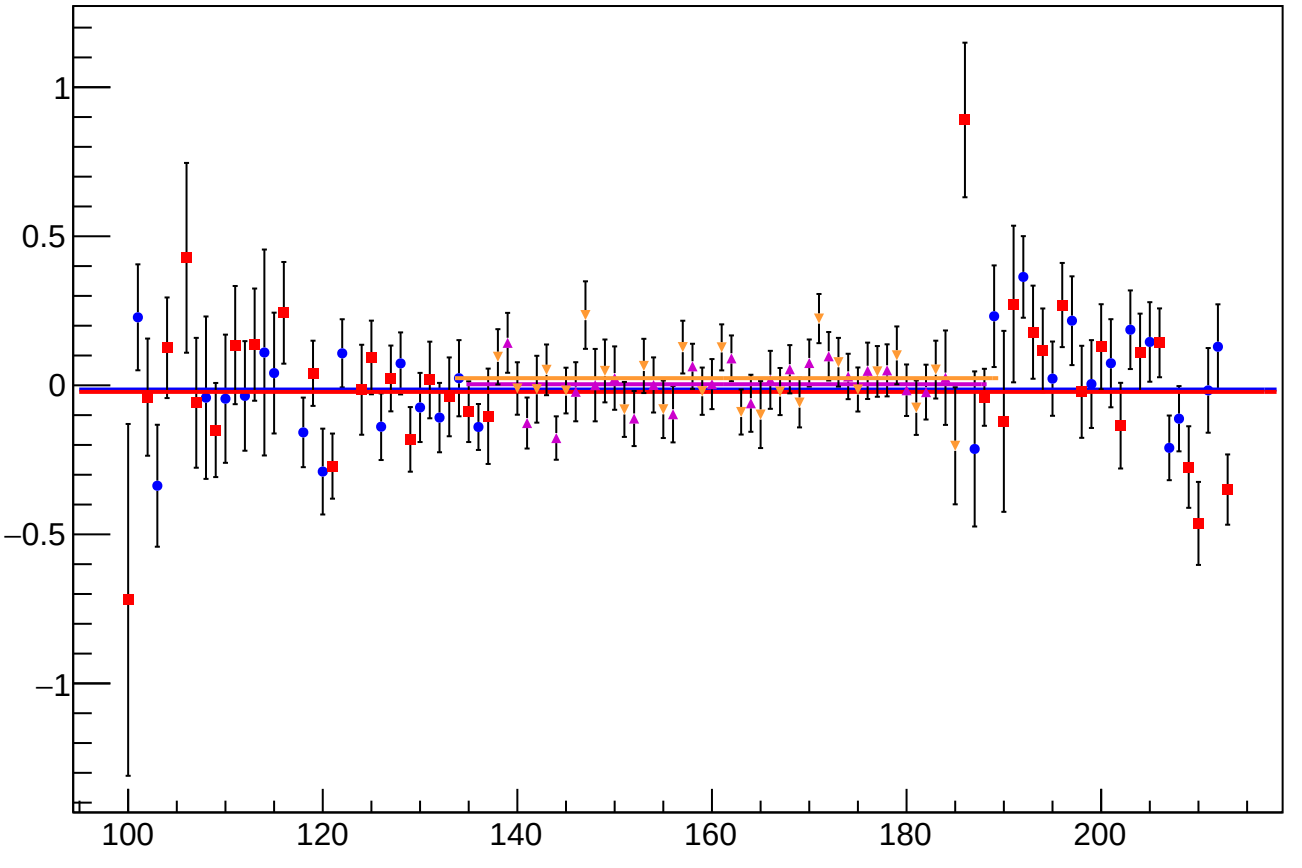
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 101.625+/-0.012 χ^2/NDF: 4735929.5/62

In: 86.439+/-0.011 χ^2/NDF:3705534.2/51

Out: 86.445+/-0.010 χ^2/NDF:4272563.6/58

All: 86.442+/-0.007 χ^2/NDF: 7978097.9/110



Right In: -0.014+/-0.025 χ^2/NDF: 38.5/28

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

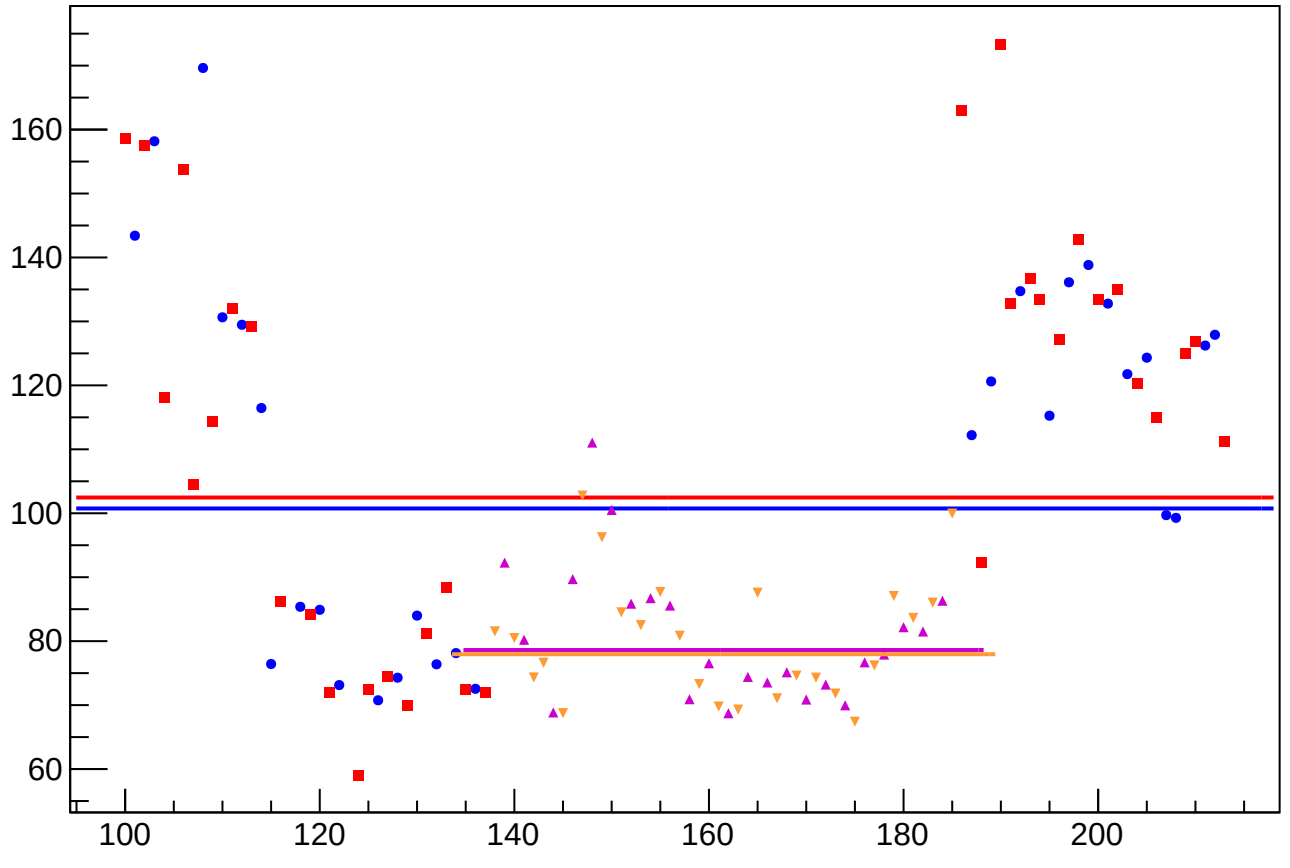
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.018+/-0.018 χ^2/NDF: 103.3/62

In: -0.003+/-0.015 χ^2/NDF:57.7/51

Out: 0.008+/-0.014 χ^2/NDF:92.6/58

All: 0.003+/-0.010 χ^2/NDF: 150.5/110



Right In: 100.748+/-0.018 χ^2/NDF: 2202870.3/28

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

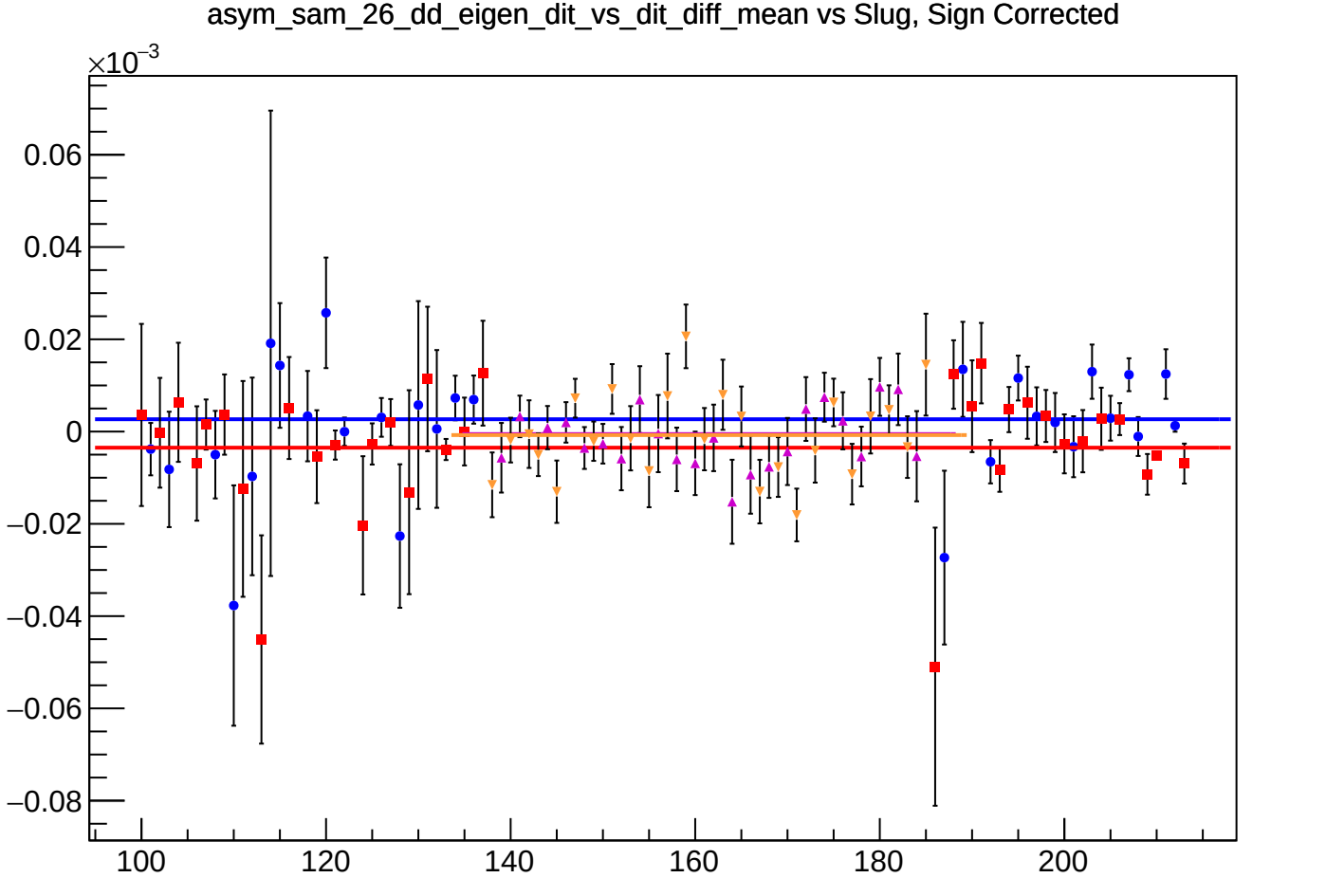
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 101.625+/-0.012 χ^2/NDF: 4735929.5/62

In: 86.439+/-0.011 χ^2/NDF:3705534.2/51

Out: 86.445+/-0.010 χ^2/NDF:4272563.6/58

All: 86.442+/-0.007 χ^2/NDF: 7978097.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 42.4/28

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

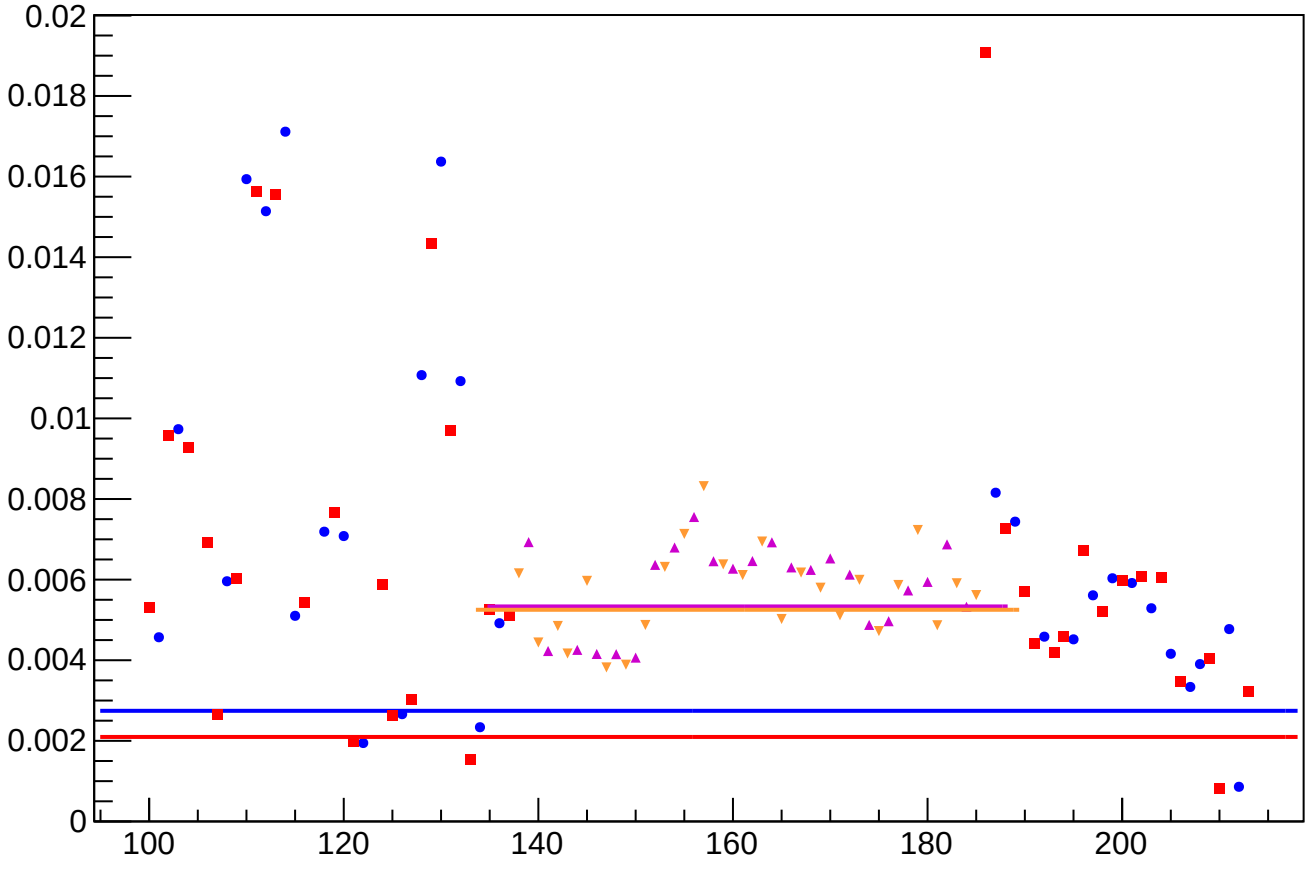
Right: -0.000+/-0.000 χ^2/NDF: 114.9/62

In: 0.000+/-0.000 χ^2/NDF:65.4/51

Out: -0.000+/-0.000 χ^2/NDF:92.8/58

All: -0.000+/-0.000 χ^2/NDF: 181.3/110

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 13137137.2/28

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

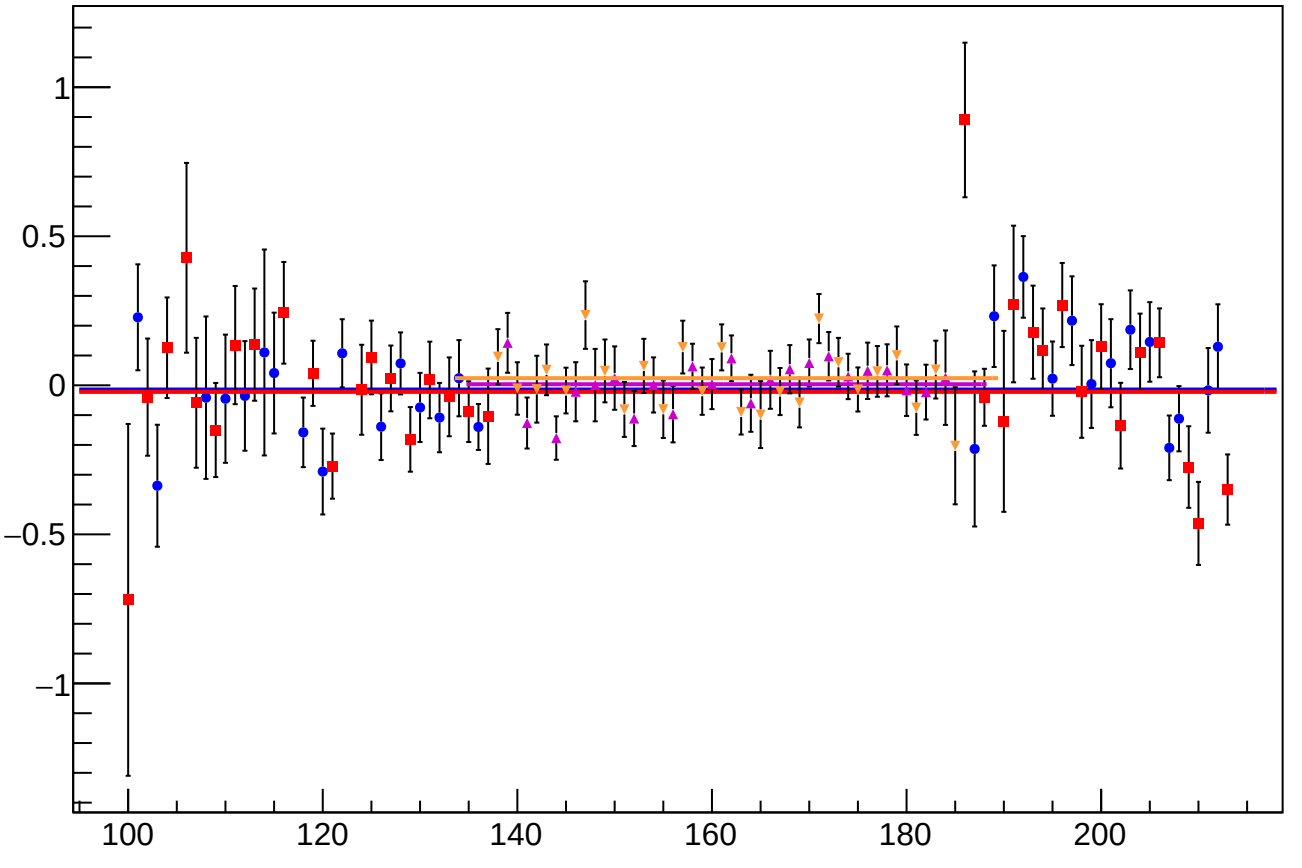
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.002+/-0.000 χ^2/NDF: 31245020.4/62

In: 0.004+/-0.000 χ^2/NDF:20243187.9/51

Out: 0.003+/-0.000 χ^2/NDF:29051858.7/58

All: 0.003+/-0.000 χ^2/NDF: 50451845.3/110



Right In: -0.014+/-0.025 χ^2/NDF: 38.5/28

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

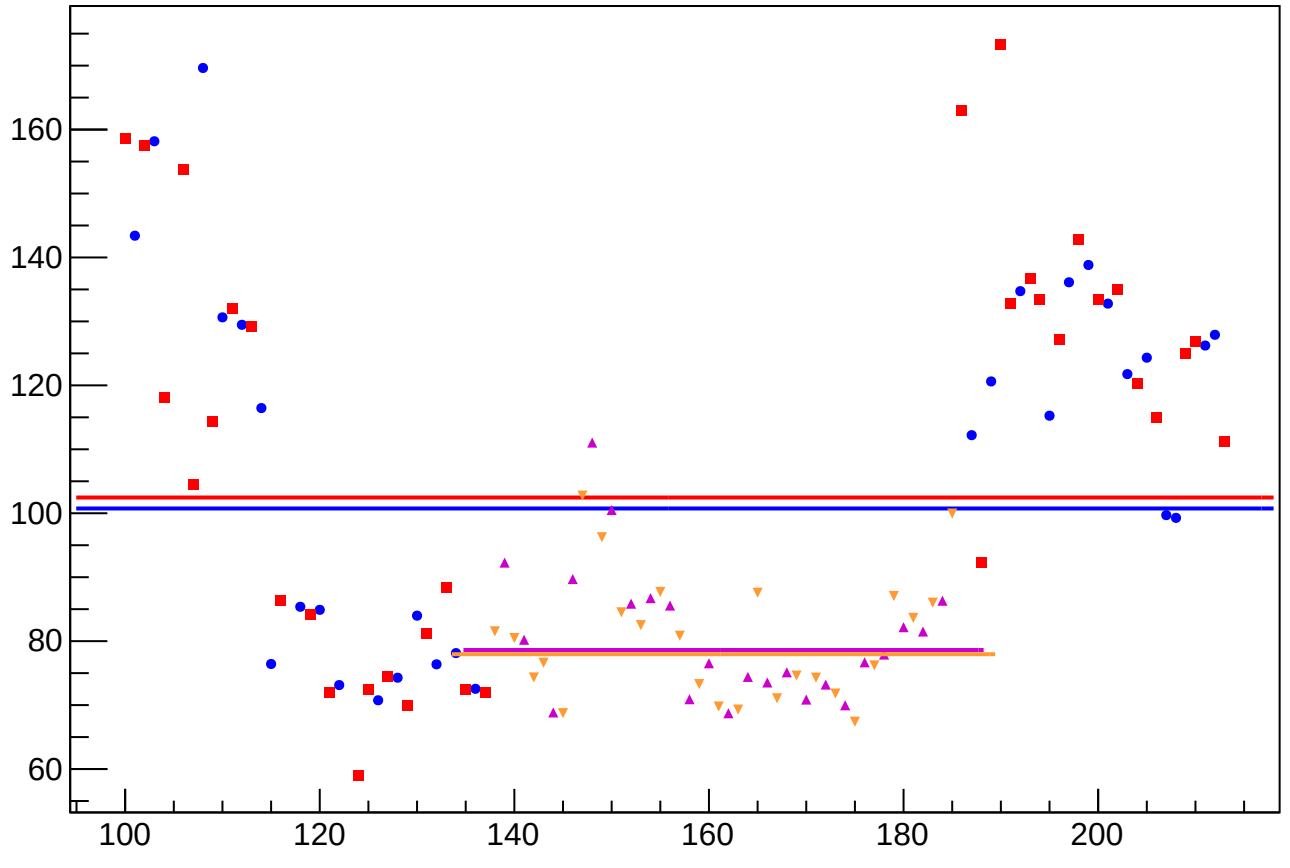
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.018+/-0.018 χ^2/NDF: 103.3/62

In: -0.003+/-0.015 χ^2/NDF:57.7/51

Out: 0.008+/-0.014 χ^2/NDF:92.6/58

All: 0.003+/-0.010 χ^2/NDF: 150.5/110



Right In: 100.746+/-0.018 χ^2/NDF: 2203012.6/28

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

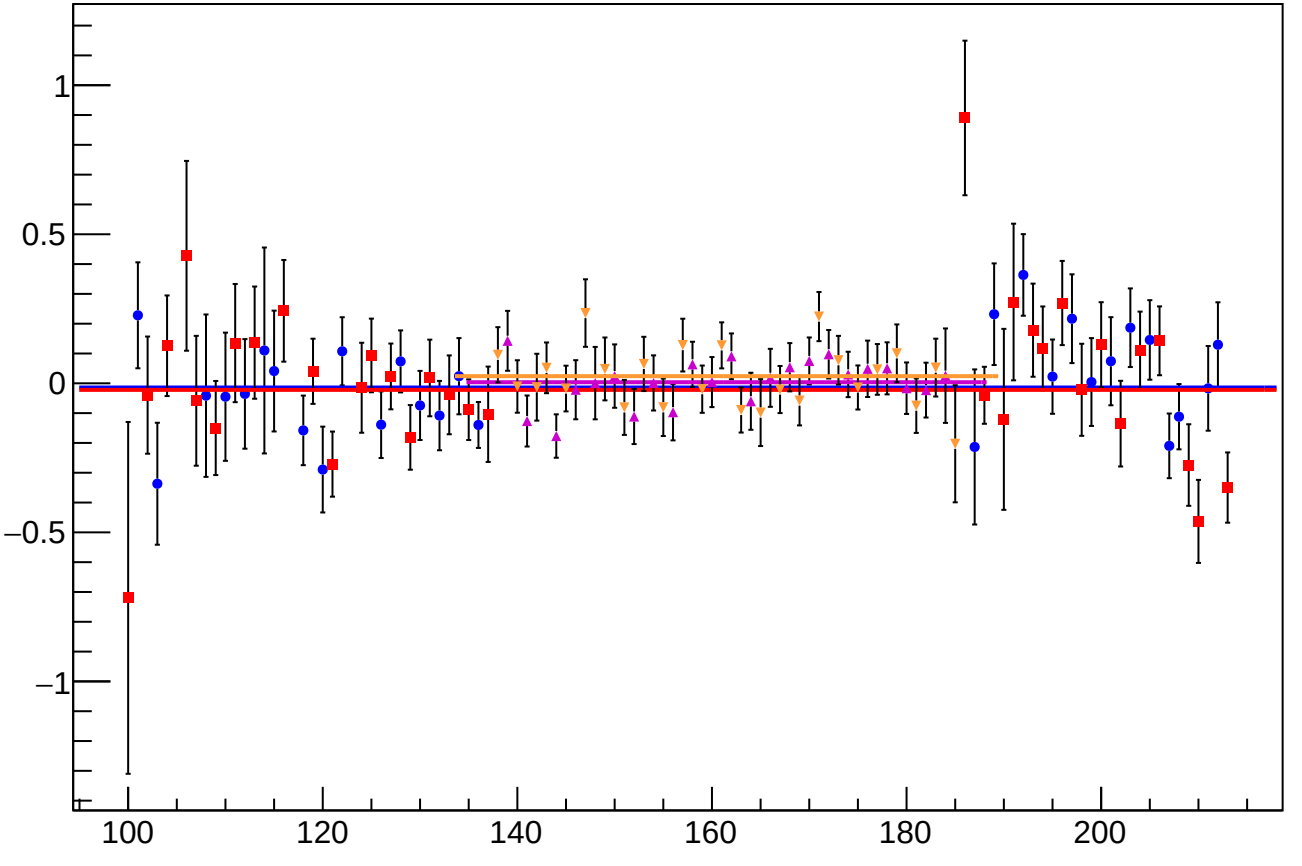
Right: 101.623+/-0.012 χ^2/NDF: 4736197.6/62

In: 86.438+/-0.011 χ^2/NDF:3705629.0/51

Out: 86.444+/-0.010 χ^2/NDF:4272616.2/58

All: 86.441+/-0.007 χ^2/NDF: 7978245.4/110

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.025 χ^2/NDF: 38.5/28

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

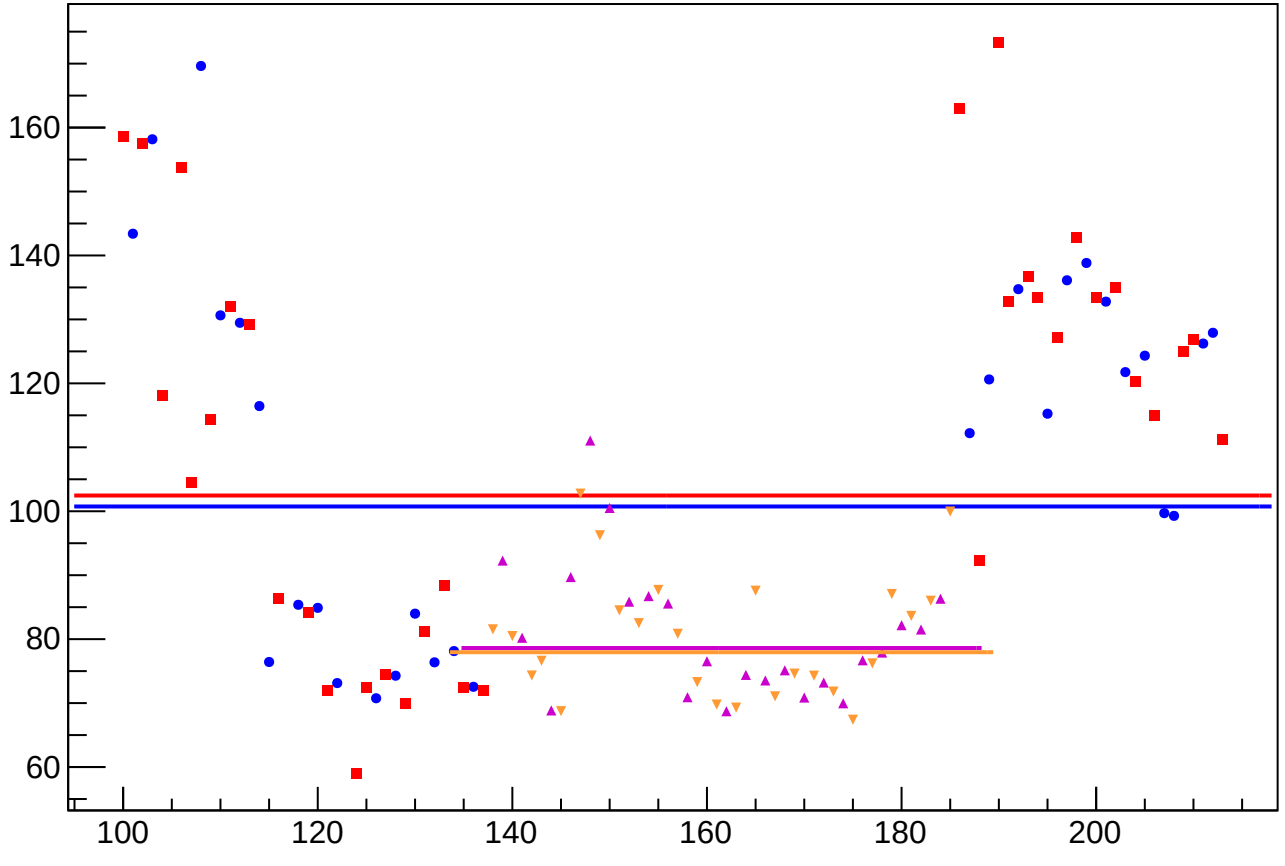
Right: -0.018+/-0.018 χ^2/NDF: 103.3/62

In: -0.003+/-0.015 χ^2/NDF:57.7/51

Out: 0.008+/-0.014 χ^2/NDF:92.6/58

All: 0.003+/-0.010 χ^2/NDF: 150.5/110

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 100.746+/-0.018 χ^2/NDF: 2203012.6/28

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

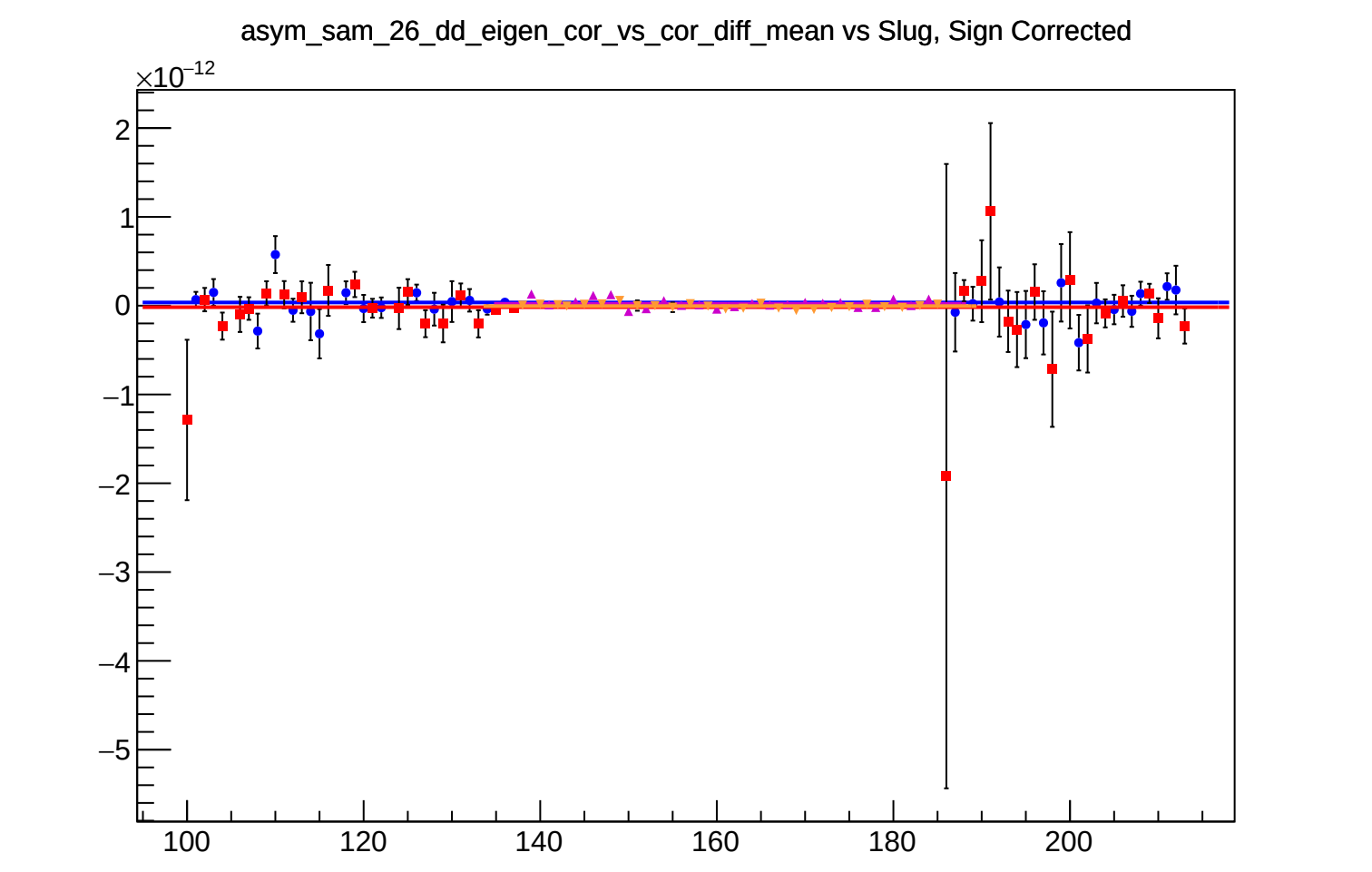
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 101.623+/-0.012 χ^2/NDF: 4736197.6/62

In: 86.438+/-0.011 χ^2/NDF:3705629.0/51

Out: 86.444+/-0.010 χ^2/NDF:4272616.2/58

All: 86.441+/-0.007 χ^2/NDF: 7978245.4/110



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/28

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

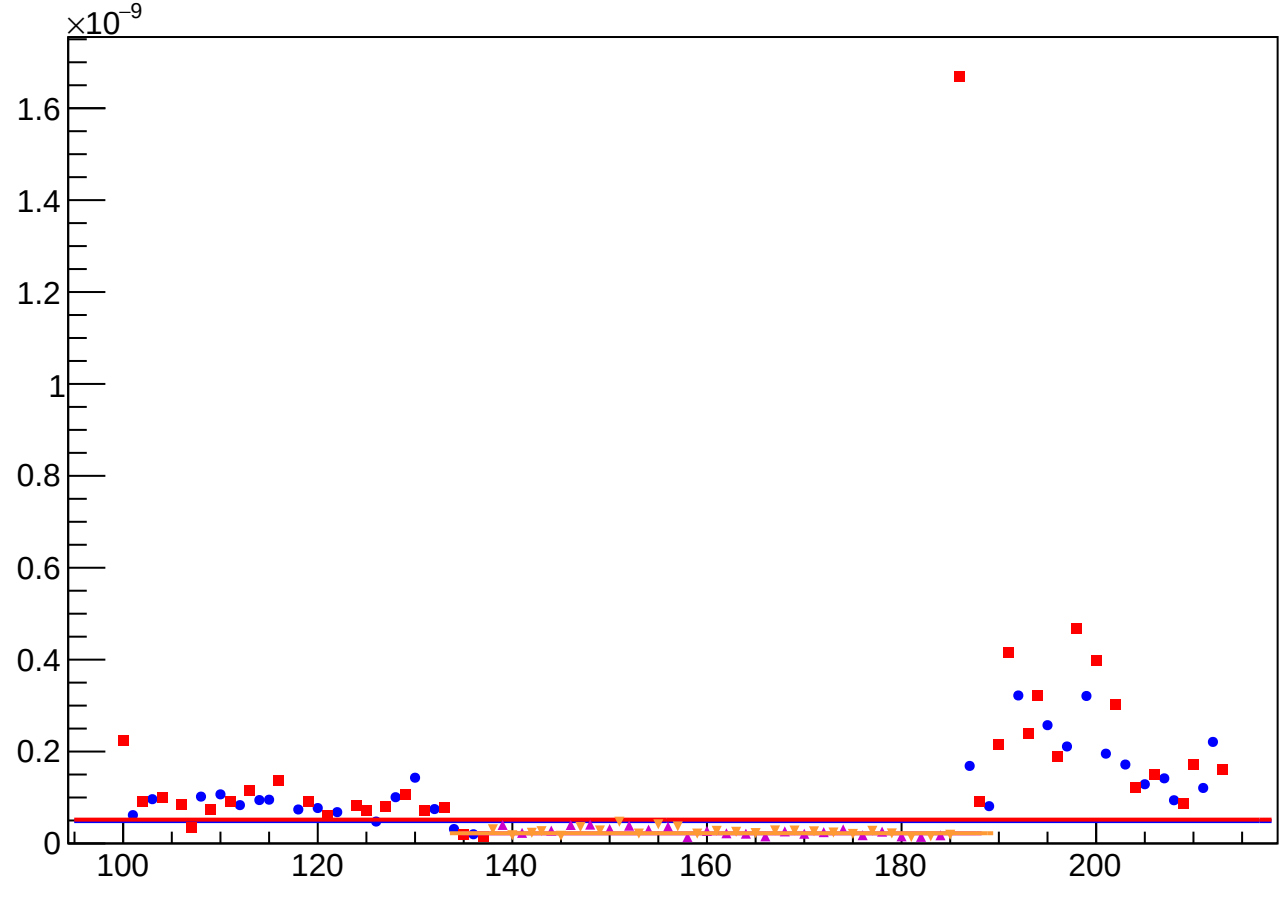
Right: 0.000+/-0.000 χ^2/NDF: 55.3/62

In: 0.000+/-0.000 χ^2/NDF:63.0/51

Out: -0.000+/-0.000 χ^2/NDF:42.7/58

All: 0.000+/-0.000 χ^2/NDF: 116.5/110

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10540950.5/28

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

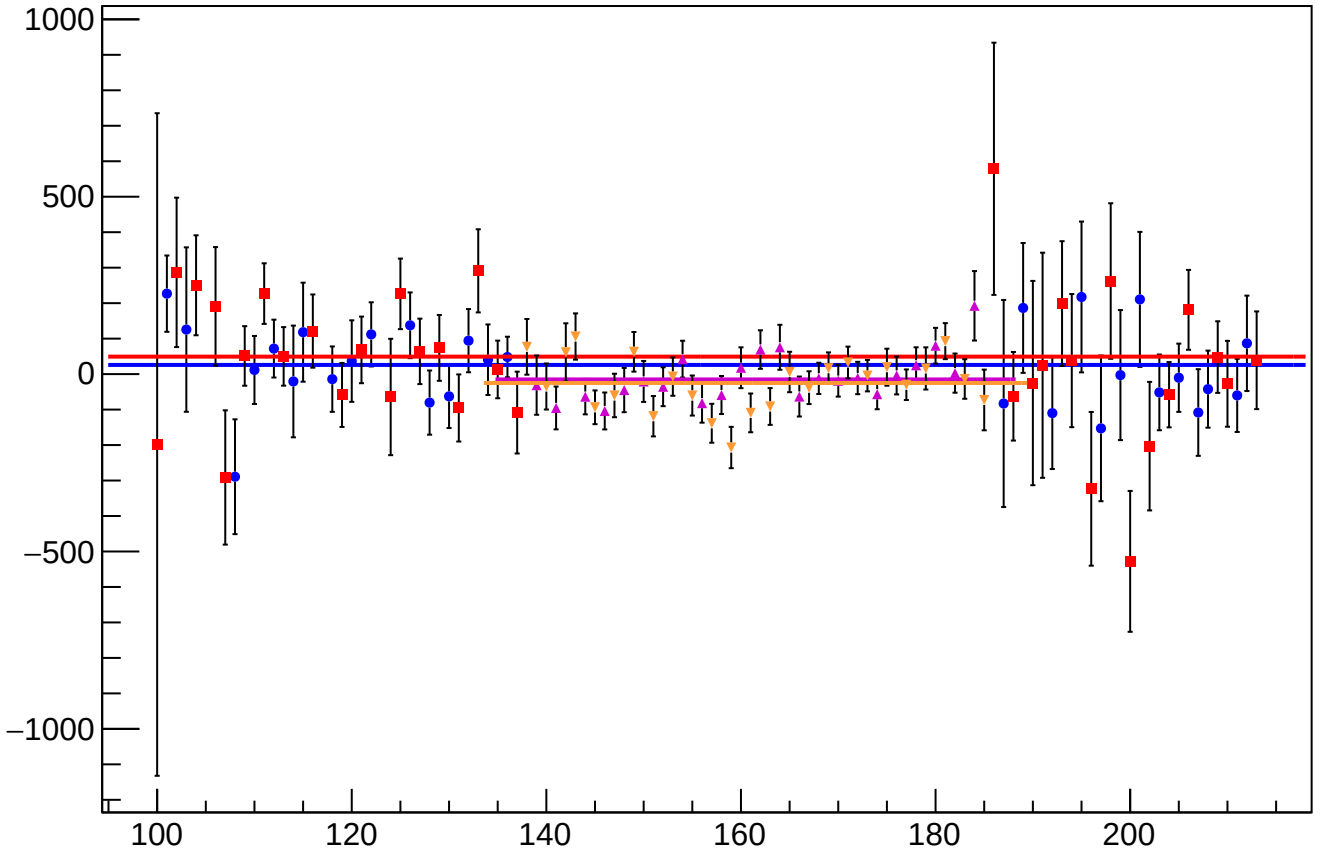
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 23266603.6/62

In: 0.000+/-0.000 χ^2/NDF:16699593.3/51

Out: 0.000+/-0.000 χ^2/NDF:18776042.3/58

All: 0.000+/-0.000 χ^2/NDF: 35475812.2/110



Right In: 25.866+/-20.460 χ^2/NDF: 21.4/28

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

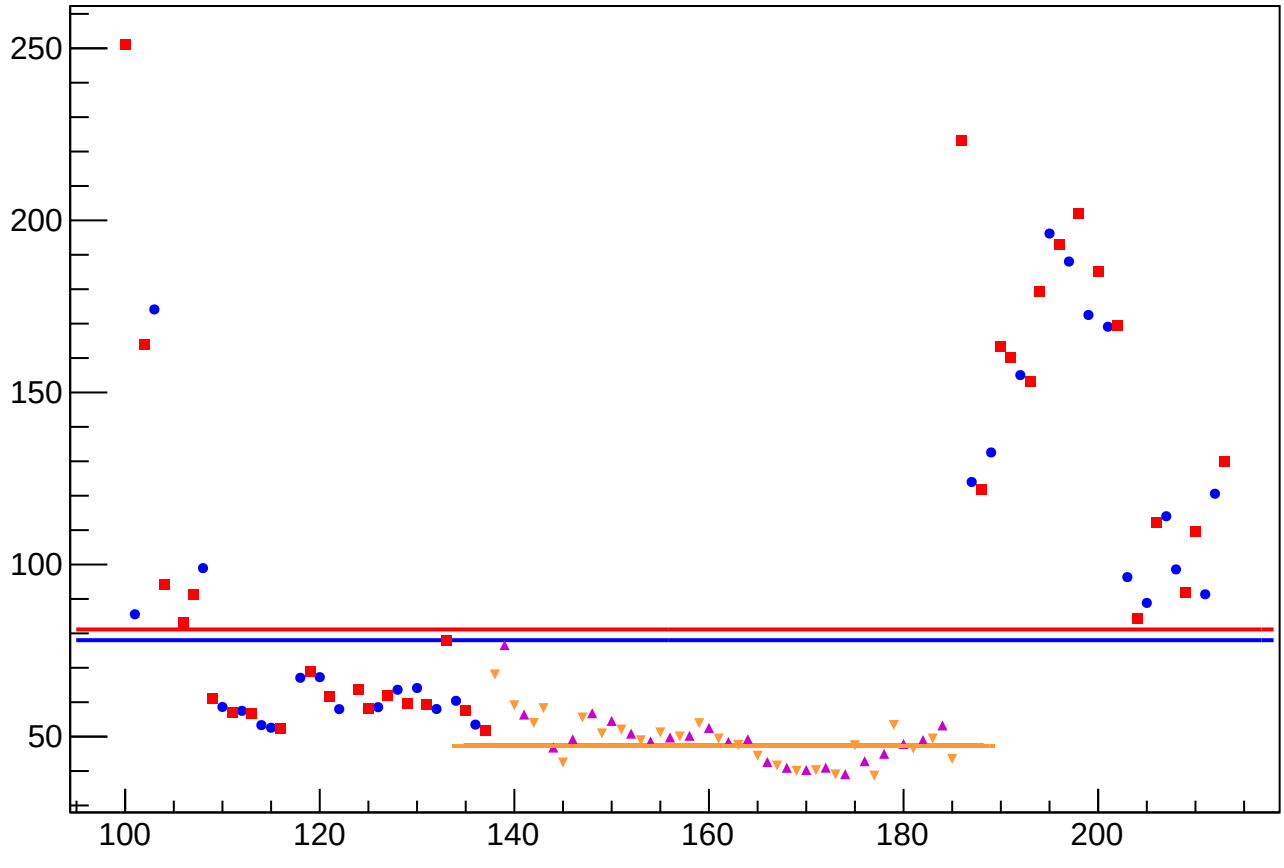
Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

Right: 37.441+/-14.532 χ^2/NDF: 69.3/62

In: -5.549+/-9.836 χ^2/NDF:49.2/51

Out: -8.839+/-9.630 χ^2/NDF:100.5/58

All: -7.229+/-6.881 χ^2/NDF: 149.7/110



Right In: 78.019+/-0.014 χ^2/NDF: 5024961.4/28

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

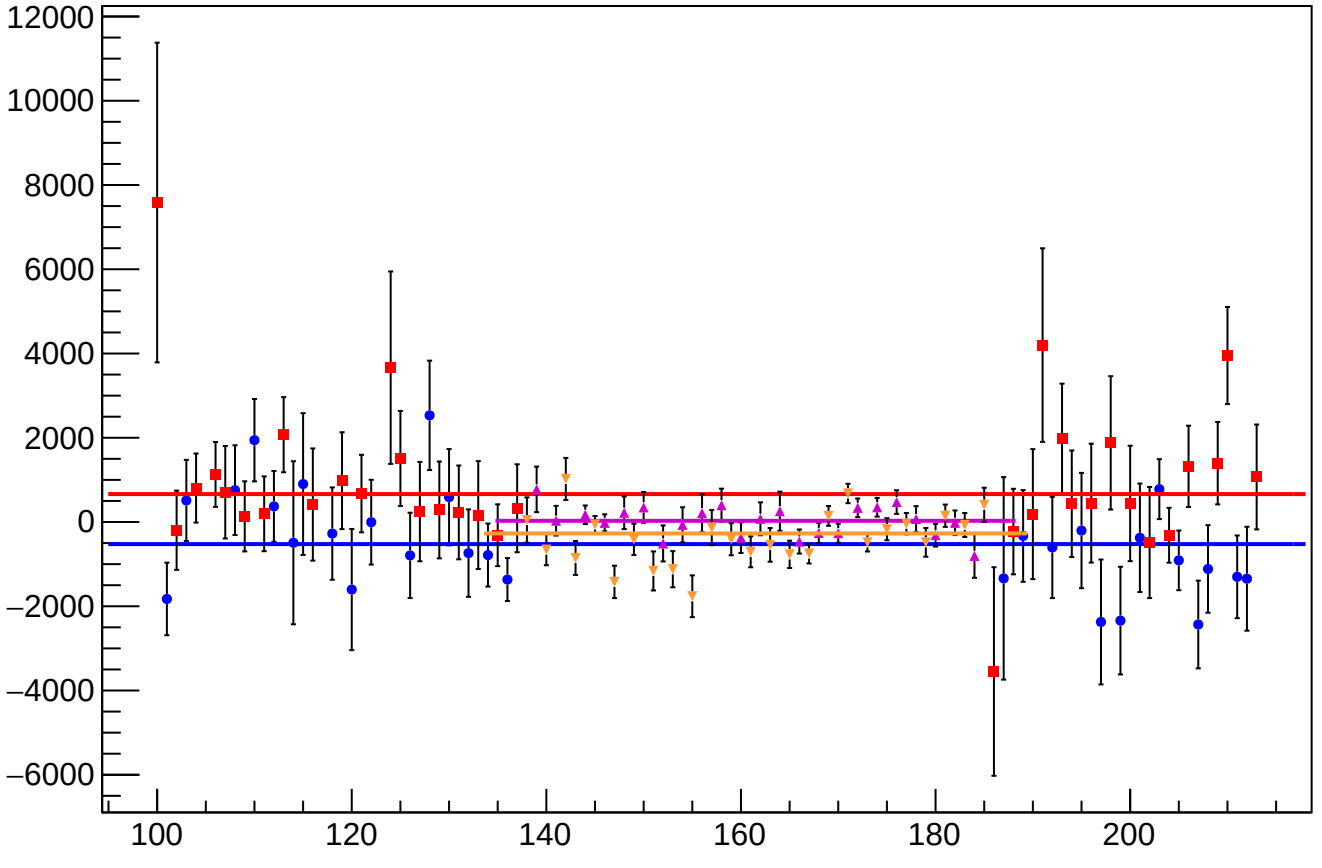
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 79.565+/-0.010 χ^2/NDF: 11306308.6/62

In: 54.497+/-0.007 χ^2/NDF:9119127.8/51

Out: 54.650+/-0.007 χ^2/NDF:11183674.2/58

All: 54.575+/-0.005 χ^2/NDF: 20303051.9/110



Right In: -524.311+/-185.664 χ^2/NDF: 35.6/28

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

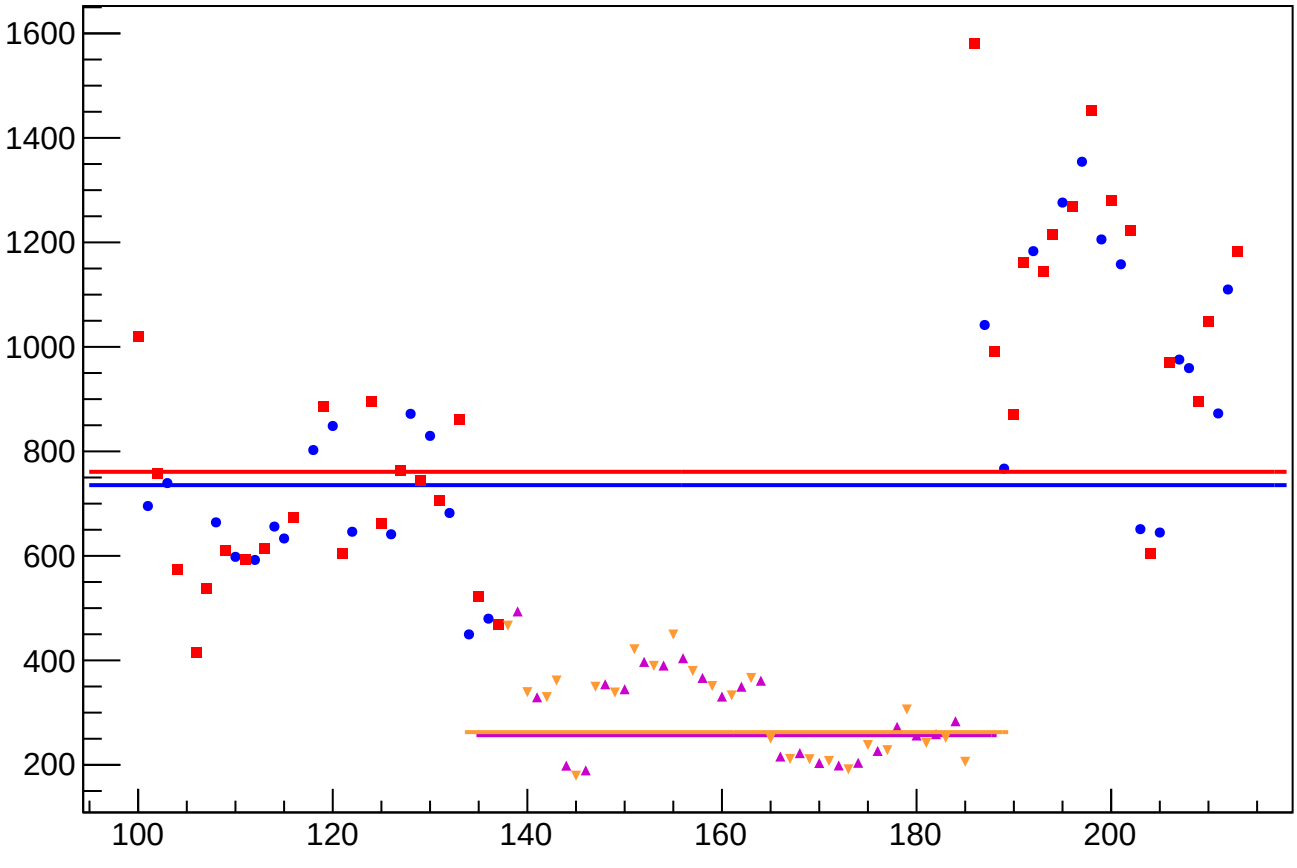
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 70.876+/-131.121 χ^2/NDF: 88.8/62

In: -27.415+/-59.379 χ^2/NDF:68.0/51

Out: -175.947+/-59.088 χ^2/NDF:129.4/58

All: -102.046+/-41.884 χ^2/NDF: 200.6/110



Right In: 735.380+/-0.131 χ^2/NDF: 2950811.5/28

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

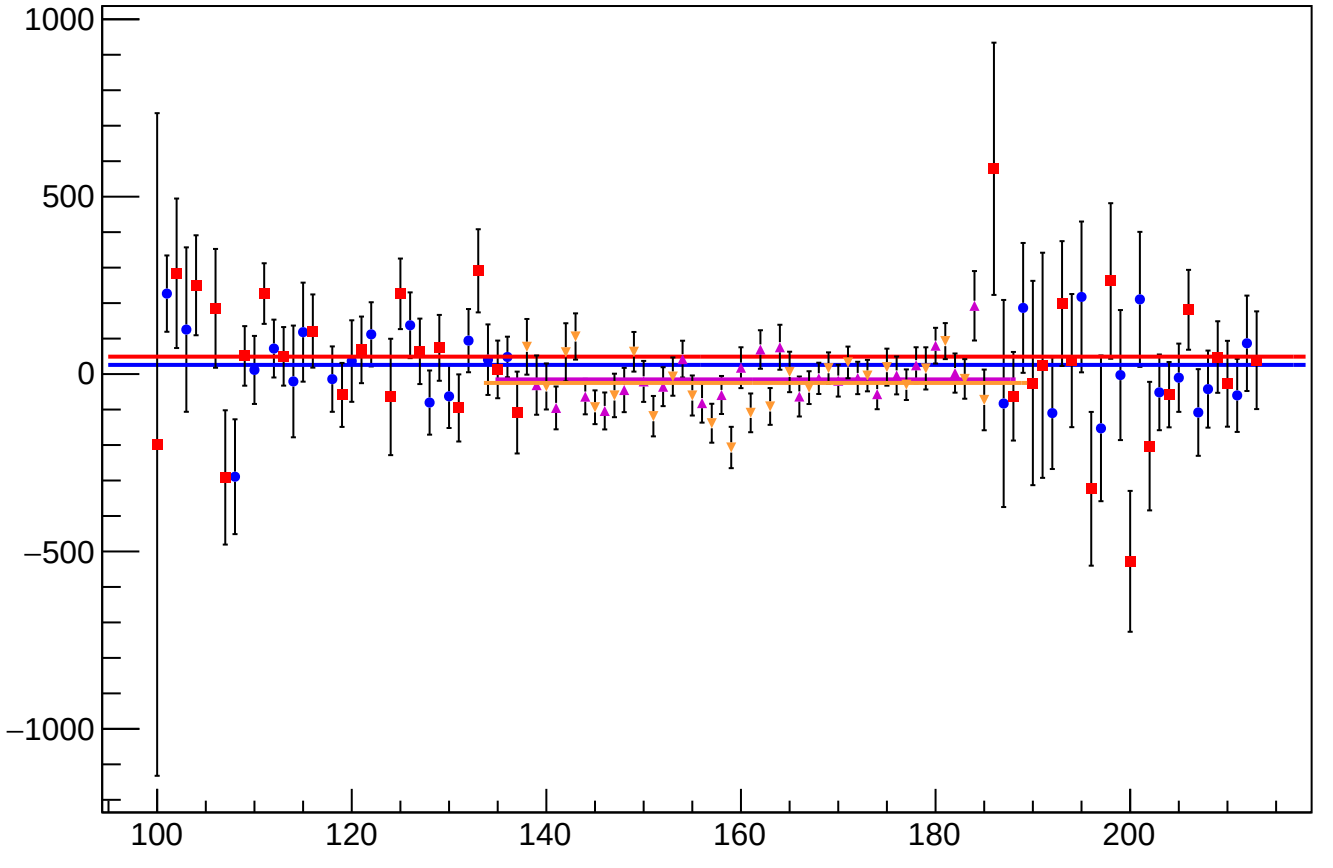
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 748.172+/-0.093 χ^2/NDF: 6857601.3/62

In: 305.789+/-0.042 χ^2/NDF:17517379.8/51

Out: 313.392+/-0.042 χ^2/NDF:19781491.7/58

All: 309.609+/-0.030 χ^2/NDF: 37315344.4/11



Right In: 25.860+/-20.460 χ^2/NDF: 21.4/28

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

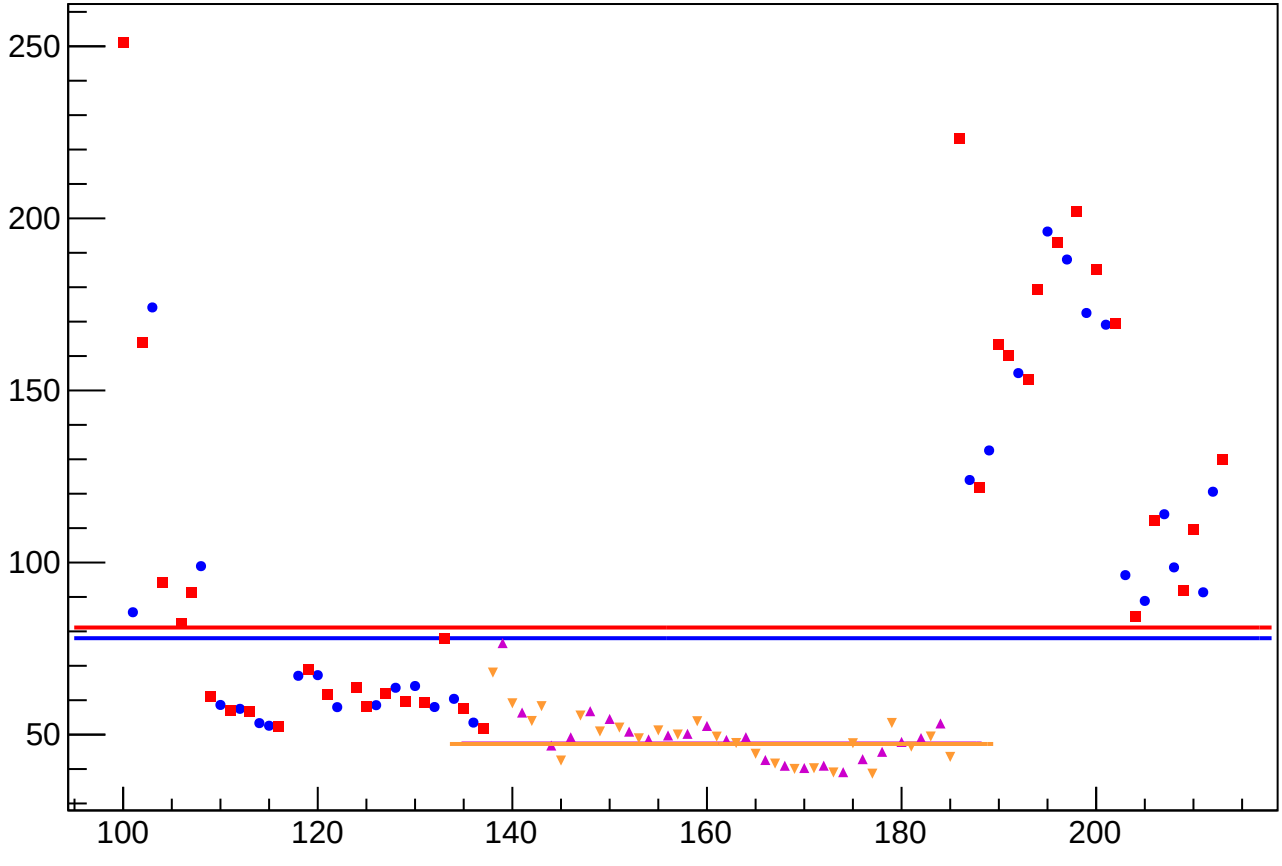
Right: 37.373+/-14.533 χ^2/NDF: 69.2/62

In: -5.550+/-9.836 χ^2/NDF:49.2/51

Out: -8.866+/-9.631 χ^2/NDF:100.4/58

All: -7.243+/-6.881 χ^2/NDF: 149.6/110

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 78.019+/-0.014 χ^2/NDF: 5024963.8/28

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

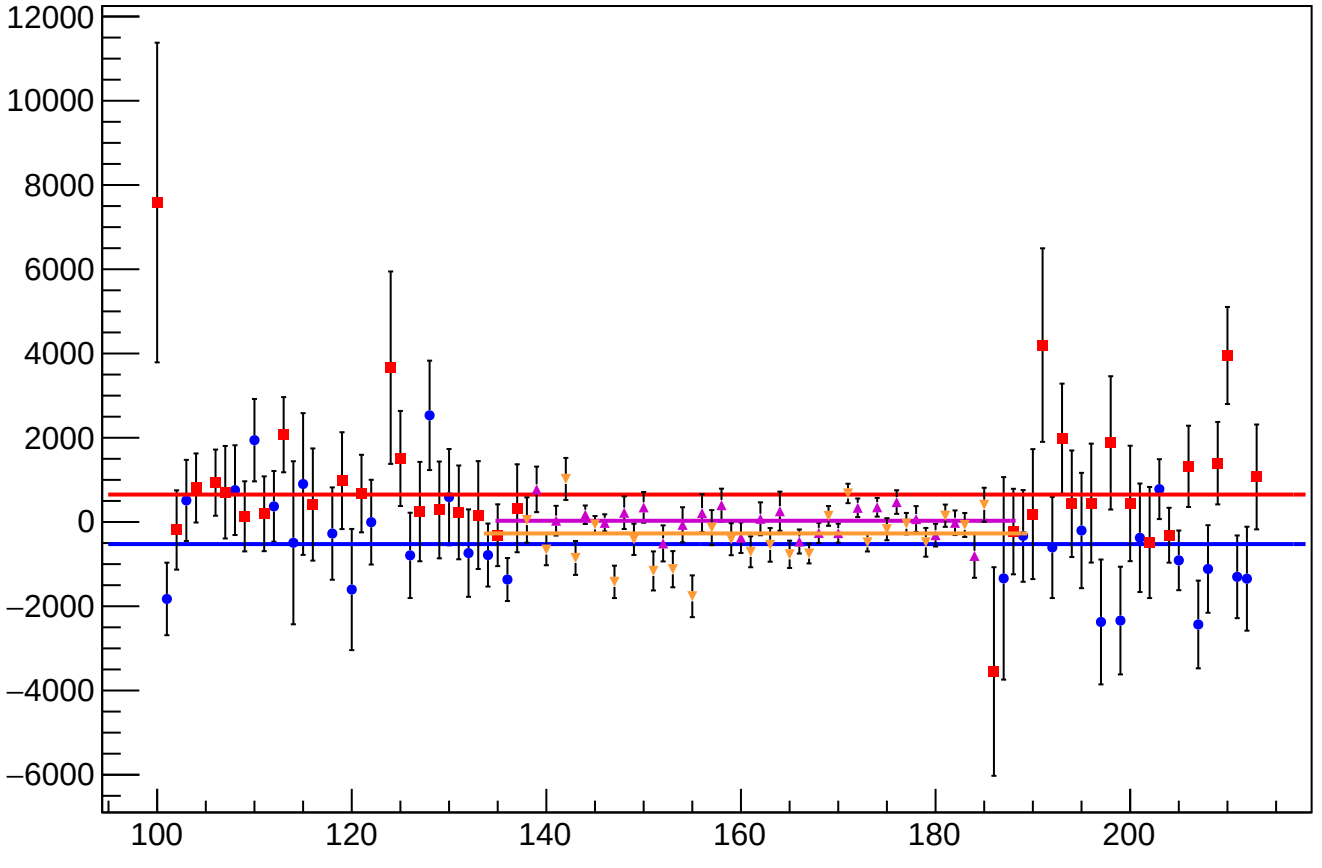
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 79.557+/-0.010 χ^2/NDF: 11306030.5/62

In: 54.497+/-0.007 χ^2/NDF:9119129.6/51

Out: 54.647+/-0.007 χ^2/NDF:11179429.4/58

All: 54.573+/-0.005 χ^2/NDF: 20298796.3/110



Right In: -524.312+/-185.665 χ^2/NDF: 35.6/28

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

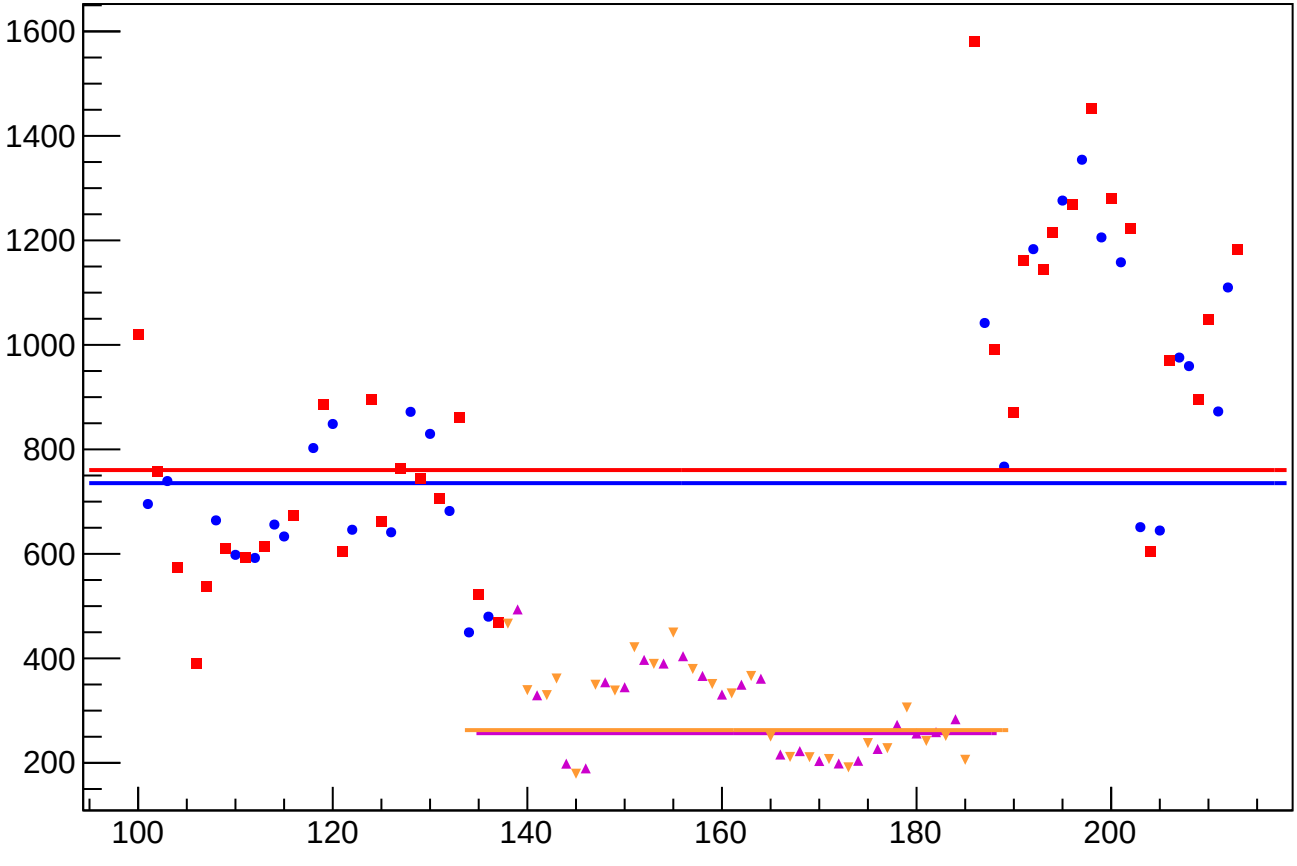
Right: 64.397+/-131.199 χ^2/NDF: 88.1/62

In: -27.413+/-59.379 χ^2/NDF:68.0/51

Out: -177.316+/-59.095 χ^2/NDF:128.5/58

All: -102.725+/-41.886 χ^2/NDF: 199.7/110

asym_sam_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 735.383+/-0.131 χ^2/NDF: 2950813.9/28

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

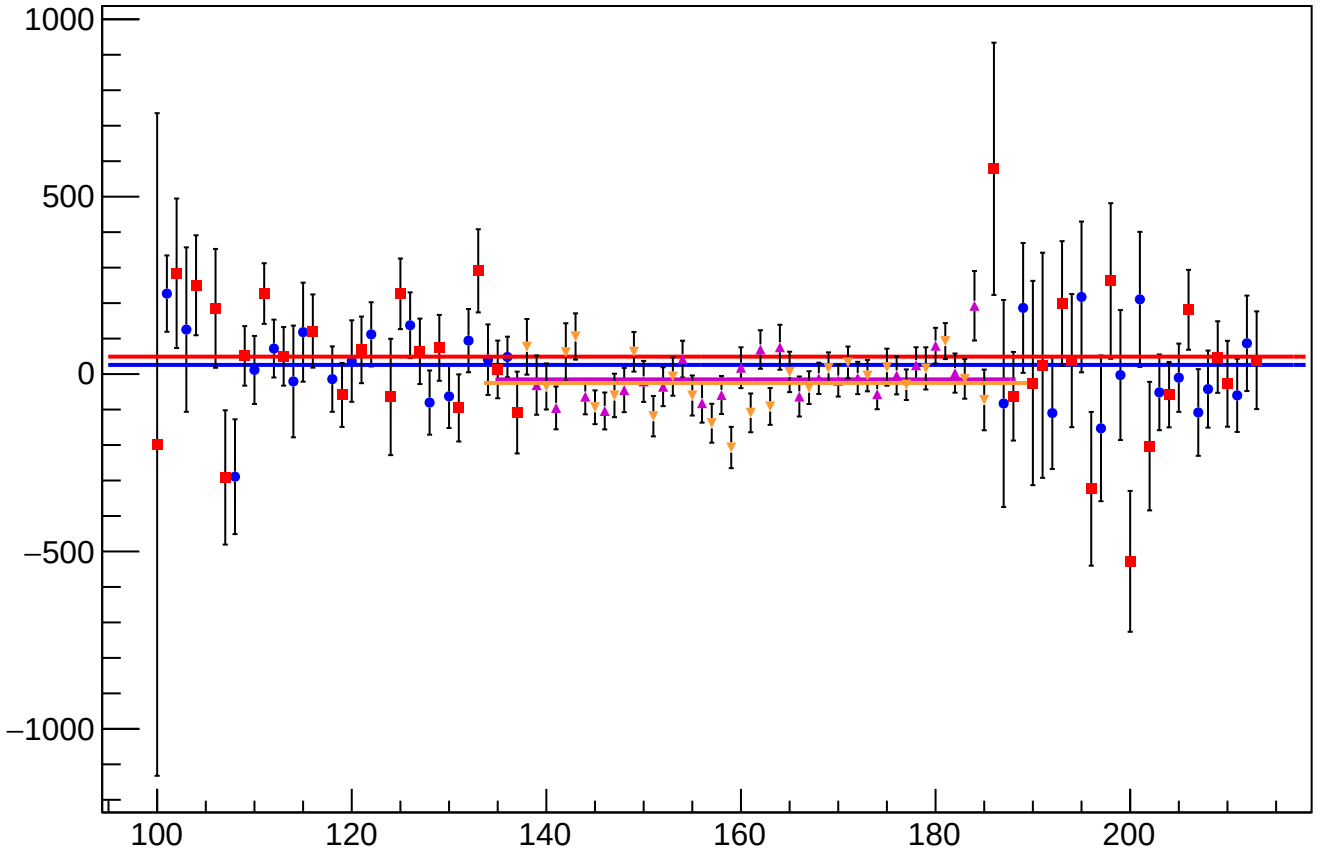
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 747.913+/-0.093 χ^2/NDF: 6895400.3/62

In: 305.789+/-0.042 χ^2/NDF:17517426.7/51

Out: 313.235+/-0.042 χ^2/NDF:19767141.7/58

All: 309.530+/-0.030 χ^2/NDF: 37300367.6/1



Right In: 25.860+/-20.460 χ^2/NDF: 21.4/28

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

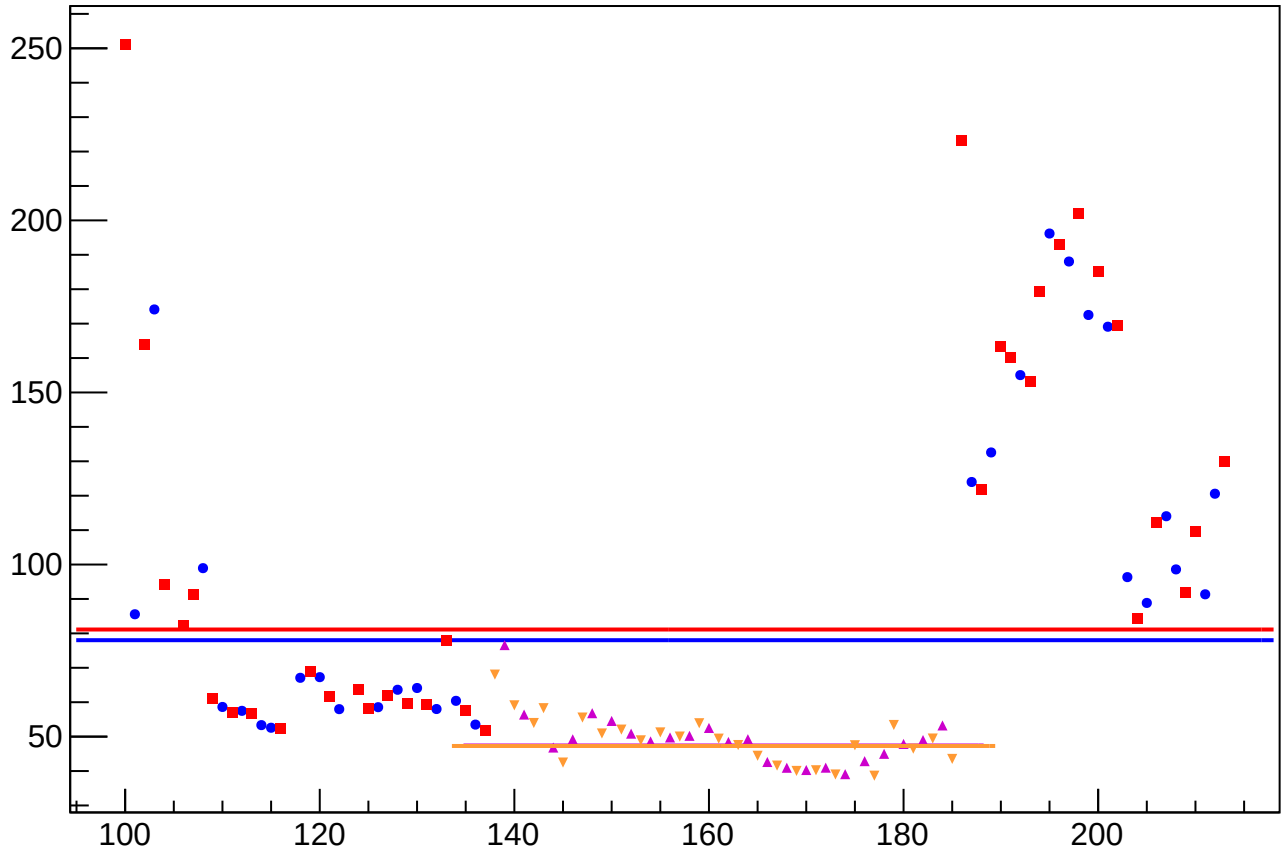
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 37.373+/-14.533 χ^2/NDF: 69.2/62

In: -5.550+/-9.836 χ^2/NDF:49.2/51

Out: -8.866+/-9.631 χ^2/NDF:100.4/58

All: -7.243+/-6.881 χ^2/NDF: 149.6/110



Right In: 78.019+/-0.014 χ^2/NDF: 5024963.8/28

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

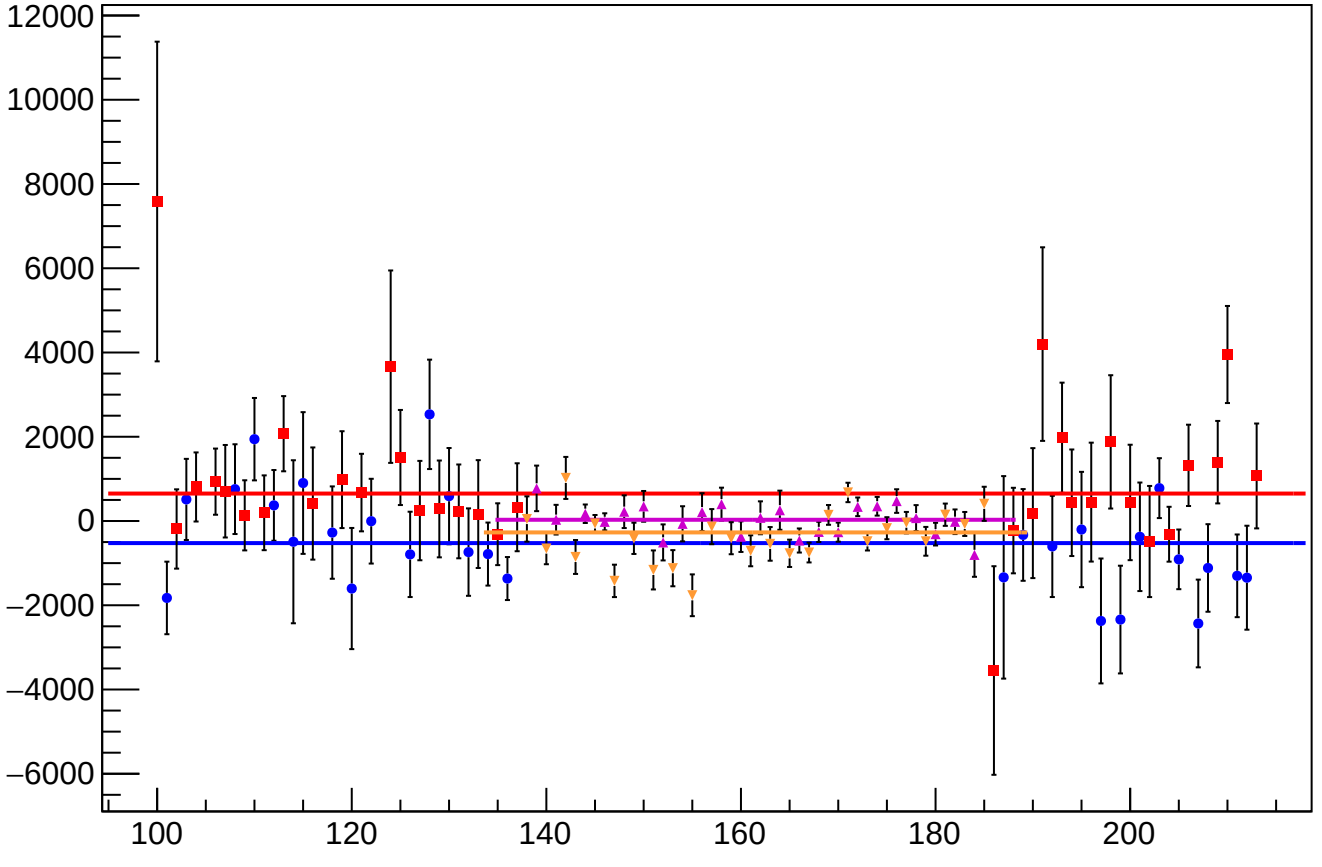
Right: 79.557+/-0.010 χ^2/NDF: 11306030.5/62

In: 54.497+/-0.007 χ^2/NDF:9119129.6/51

Out: 54.647+/-0.007 χ^2/NDF:11179429.4/58

All: 54.573+/-0.005 χ^2/NDF: 20298796.3/110

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -524.312+/-185.665 χ^2/NDF: 35.6/28

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

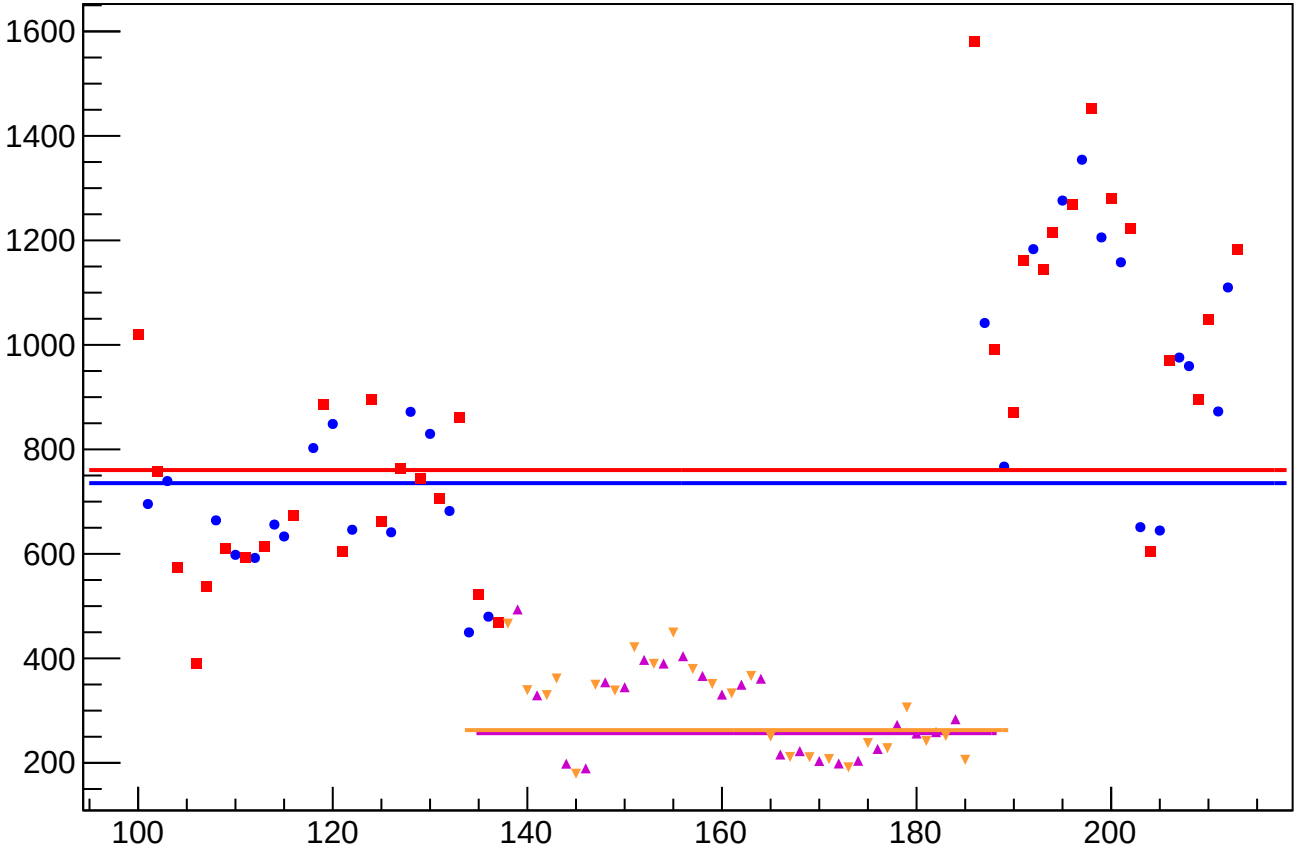
Right: 64.397+/-131.199 χ^2/NDF: 88.1/62

In: -27.413+/-59.379 χ^2/NDF:68.0/51

Out: -177.316+/-59.095 χ^2/NDF:128.5/58

All: -102.725+/-41.886 χ^2/NDF: 199.7/110

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 735.383+/-0.131 χ^2/NDF: 2950813.9/28

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

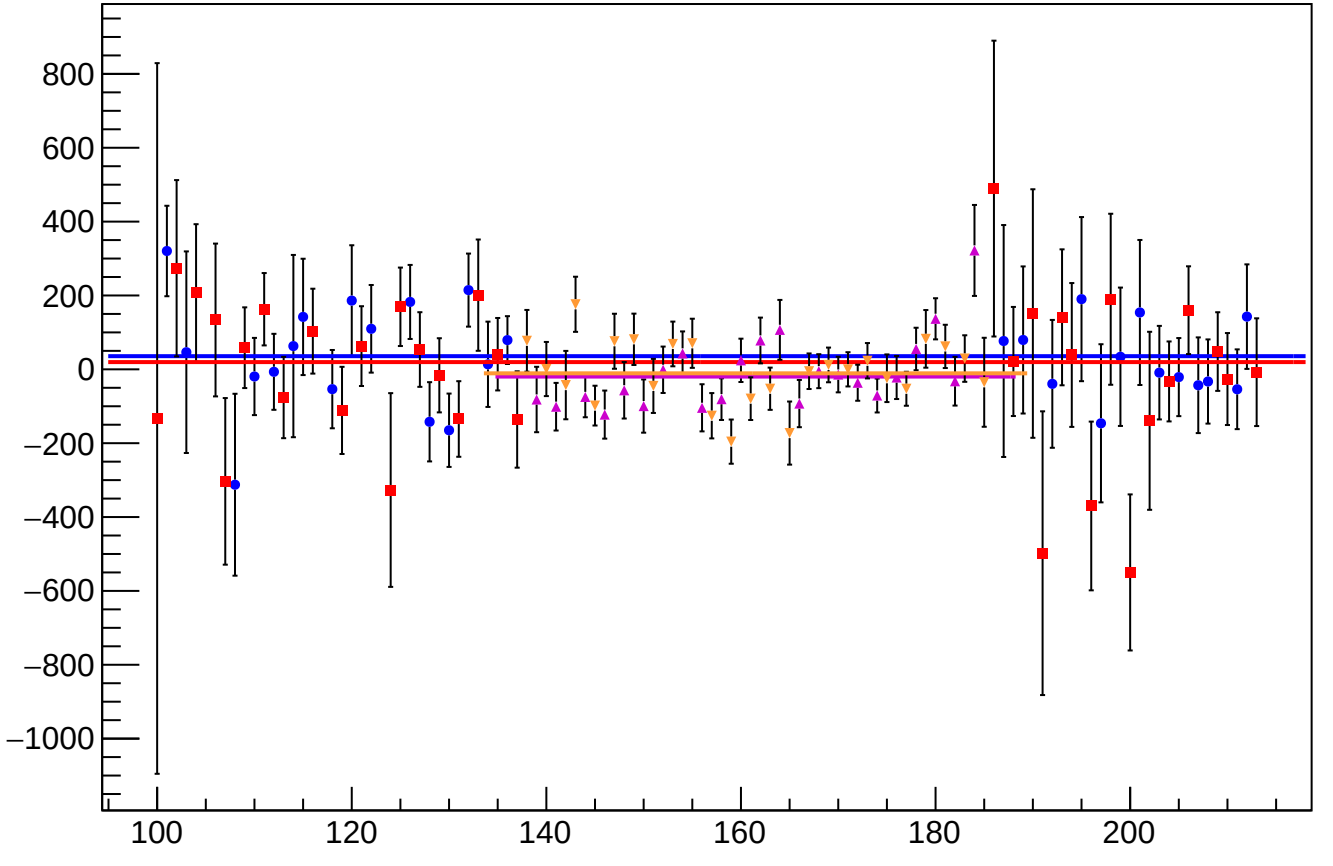
Right: 747.913+/-0.093 χ^2/NDF: 6895400.3/62

In: 305.789+/-0.042 χ^2/NDF:17517426.7/51

Out: 313.235+/-0.042 χ^2/NDF:19767141.7/58

All: 309.530+/-0.030 χ^2/NDF: 37300367.6/11

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 35.642+/-23.336 χ^2/NDF: 27.4/28

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

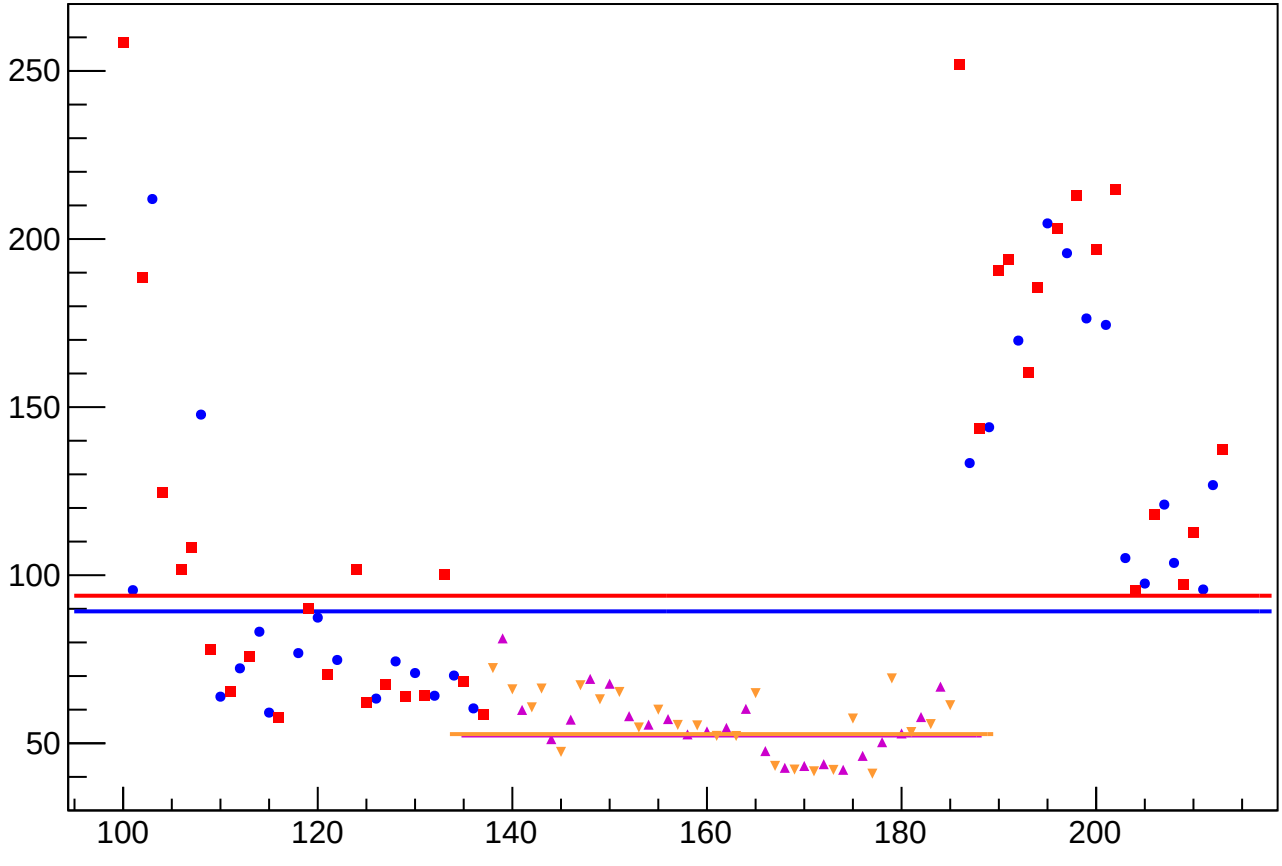
Right: 27.810+/-16.691 χ^2/NDF: 63.0/62

In: -7.211+/-11.050 χ^2/NDF:68.5/51

Out: -4.439+/-10.939 χ^2/NDF:77.1/58

All: -5.811+/-7.774 χ^2/NDF: 145.6/110

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 89.242+/-0.017 χ^2/NDF: 4459177.4/28

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

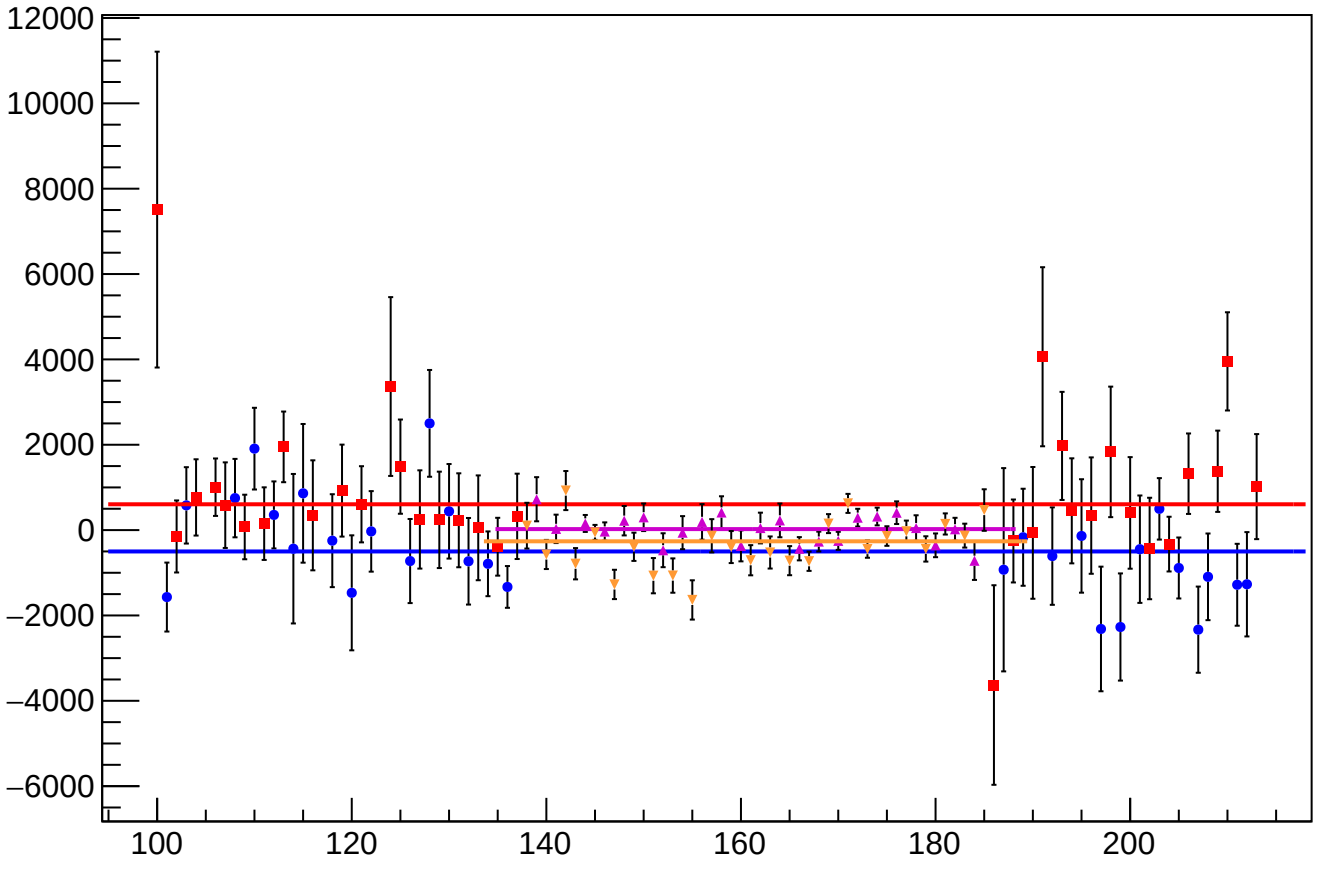
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 91.514+/-0.012 χ^2/NDF: 10267233.7/62

In: 60.594+/-0.008 χ^2/NDF:9236432.1/51

Out: 61.367+/-0.008 χ^2/NDF:11631228.5/58

All: 60.984+/-0.005 χ^2/NDF: 20872604.5/110



Right In: -500.377+/-179.936 χ^2/NDF: 34.4/28

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

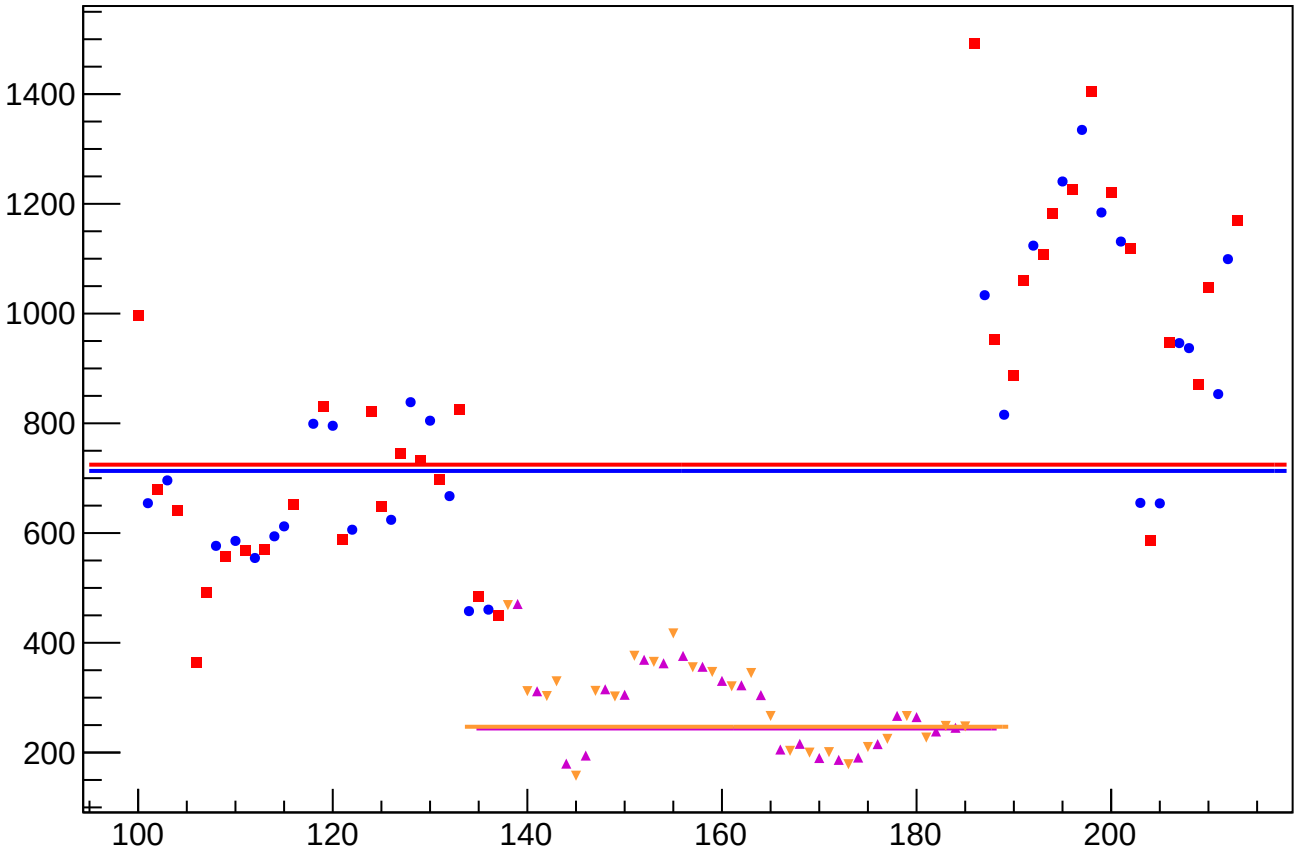
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 62.128+/-126.103 χ^2/NDF: 88.5/62

In: -28.003+/-56.403 χ^2/NDF:66.2/51

Out: -176.942+/-55.539 χ^2/NDF:128.8/58

All: -103.623+/-39.574 χ^2/NDF: 198.6/110



Right In: 713.227+/-0.127 χ^2/NDF: 3013882.3/28

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

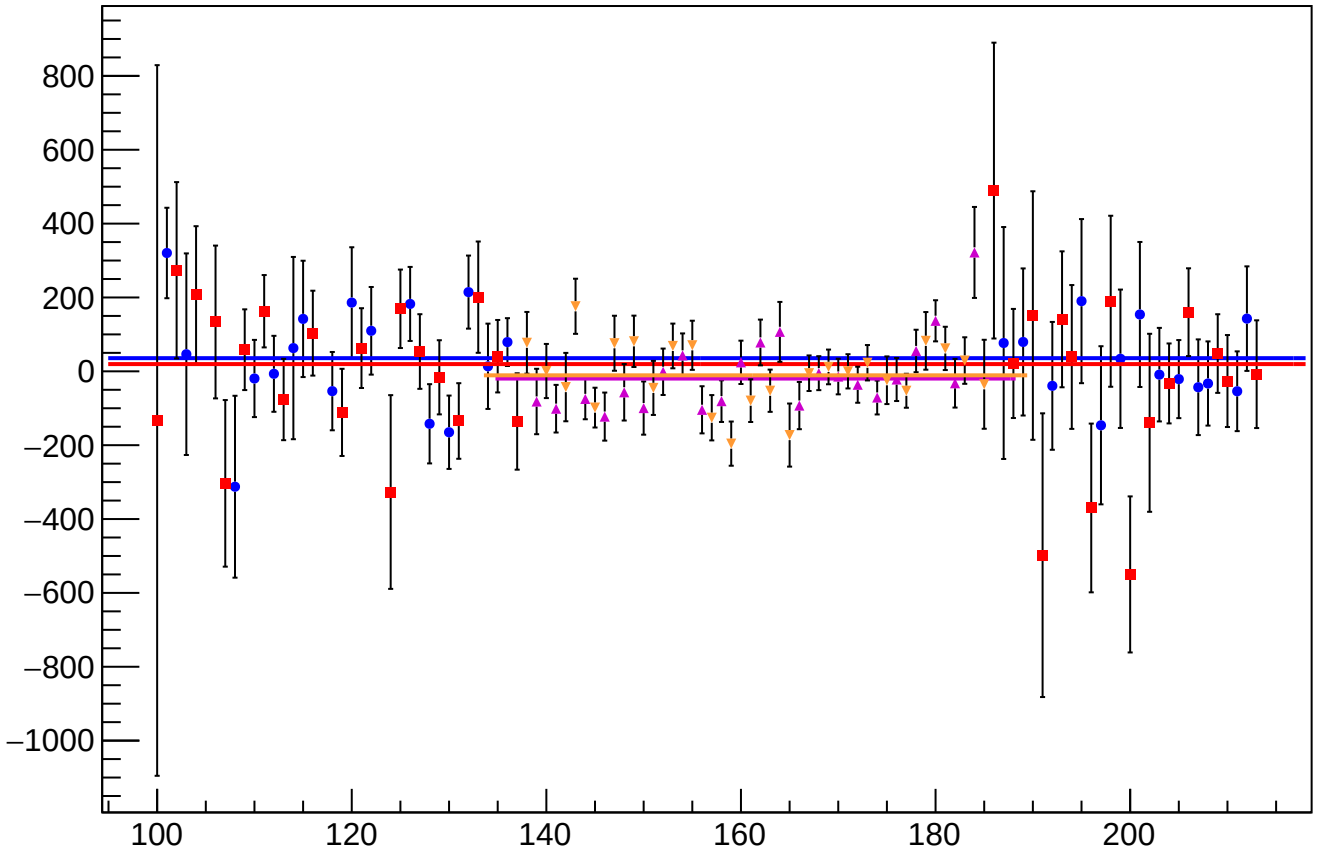
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 719.035+/-0.089 χ^2/NDF: 7181705.9/62

In: 289.948+/-0.040 χ^2/NDF:17777792.5/51

Out: 294.141+/-0.039 χ^2/NDF:20249230.1/58

All: 292.076+/-0.028 χ^2/NDF: 38032634.7/11



Right In: 35.642+/-23.336 χ^2/NDF: 27.4/28

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

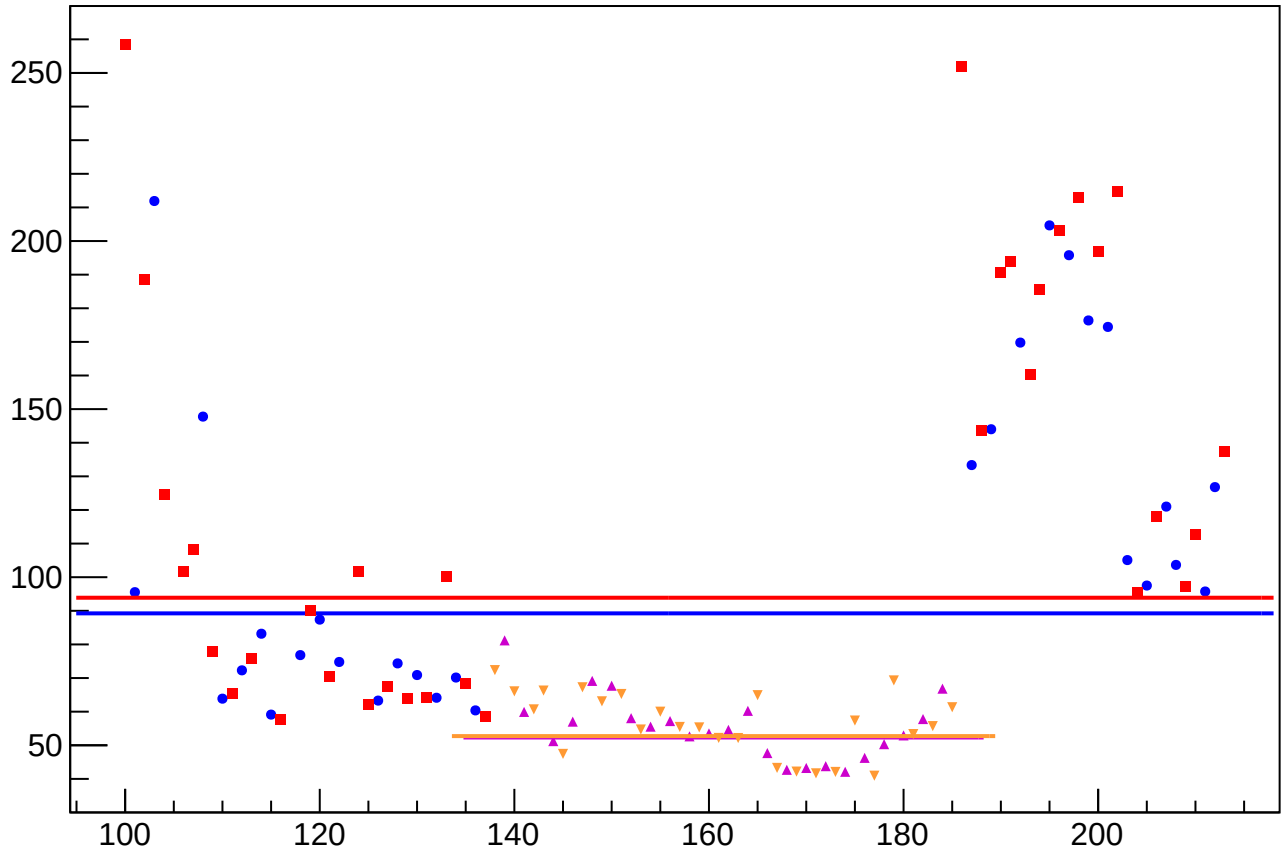
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 27.810+/-16.691 χ^2/NDF: 63.0/62

In: -7.211+/-11.050 χ^2/NDF:68.5/51

Out: -4.438+/-10.939 χ^2/NDF:77.1/58

All: -5.811+/-7.774 χ^2/NDF: 145.6/110



Right In: 89.242+/-0.017 χ^2/NDF: 4459203.4/28

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

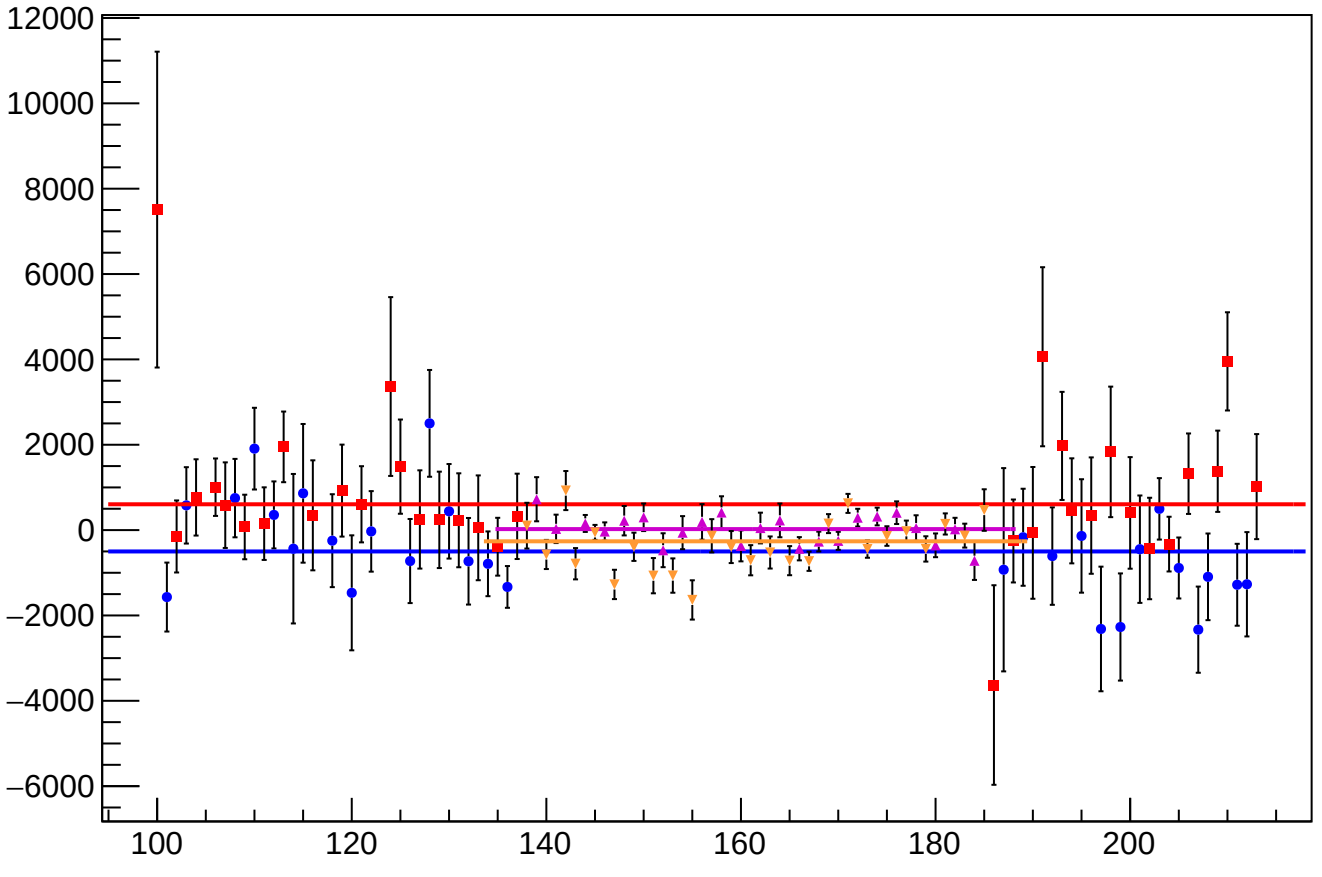
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 91.514+/-0.012 χ^2/NDF: 10267265.6/62

In: 60.594+/-0.008 χ^2/NDF:9236428.2/51

Out: 61.367+/-0.008 χ^2/NDF:11631228.4/58

All: 60.985+/-0.005 χ^2/NDF: 20872600.7/110



Right In: -500.377+/-179.936 χ^2/NDF: 34.4/28

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

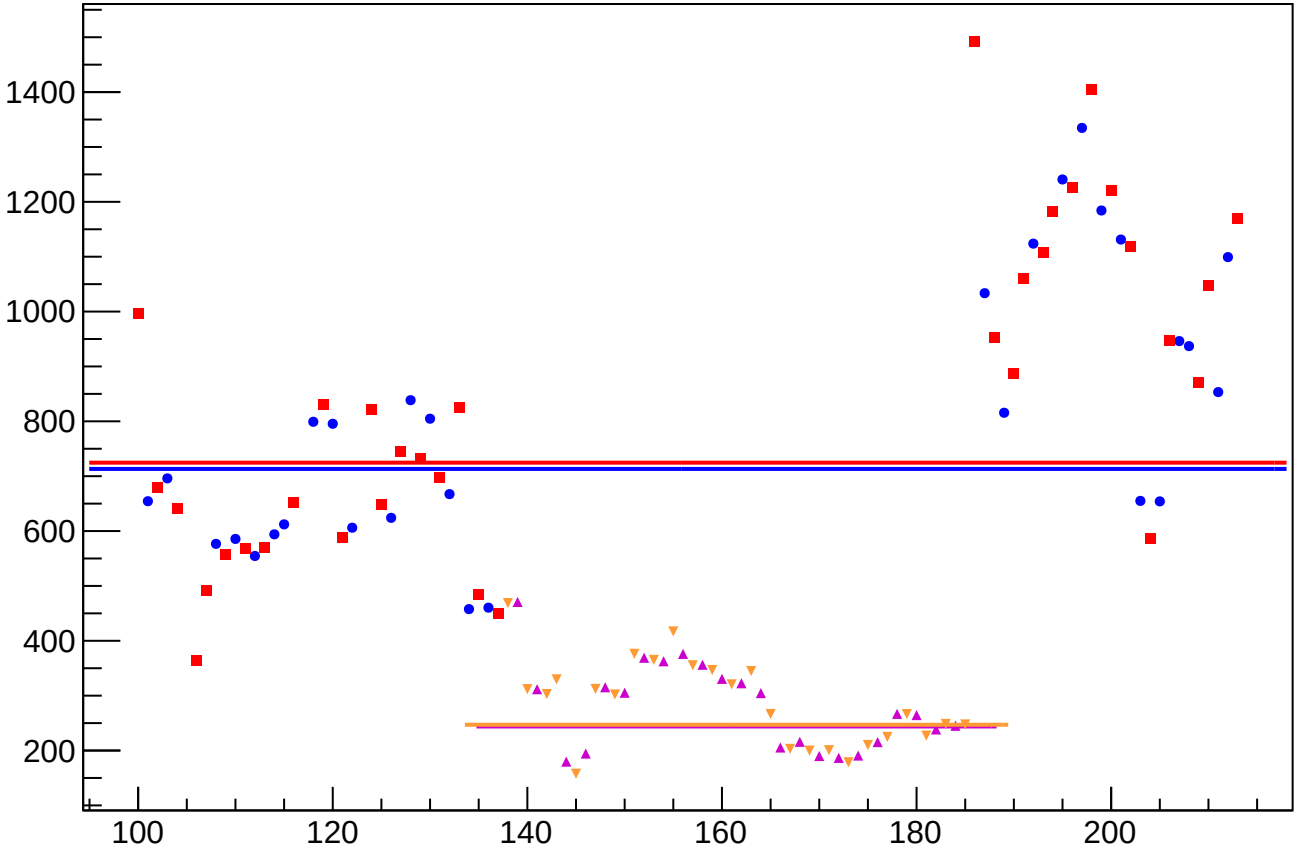
Right: 62.128+/-126.103 χ^2/NDF: 88.5/62

In: -28.003+/-56.403 χ^2/NDF:66.2/51

Out: -176.942+/-55.539 χ^2/NDF:128.8/58

All: -103.623+/-39.574 χ^2/NDF: 198.6/110

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 713.227+/-0.127 χ^2/NDF: 3013868.4/28

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

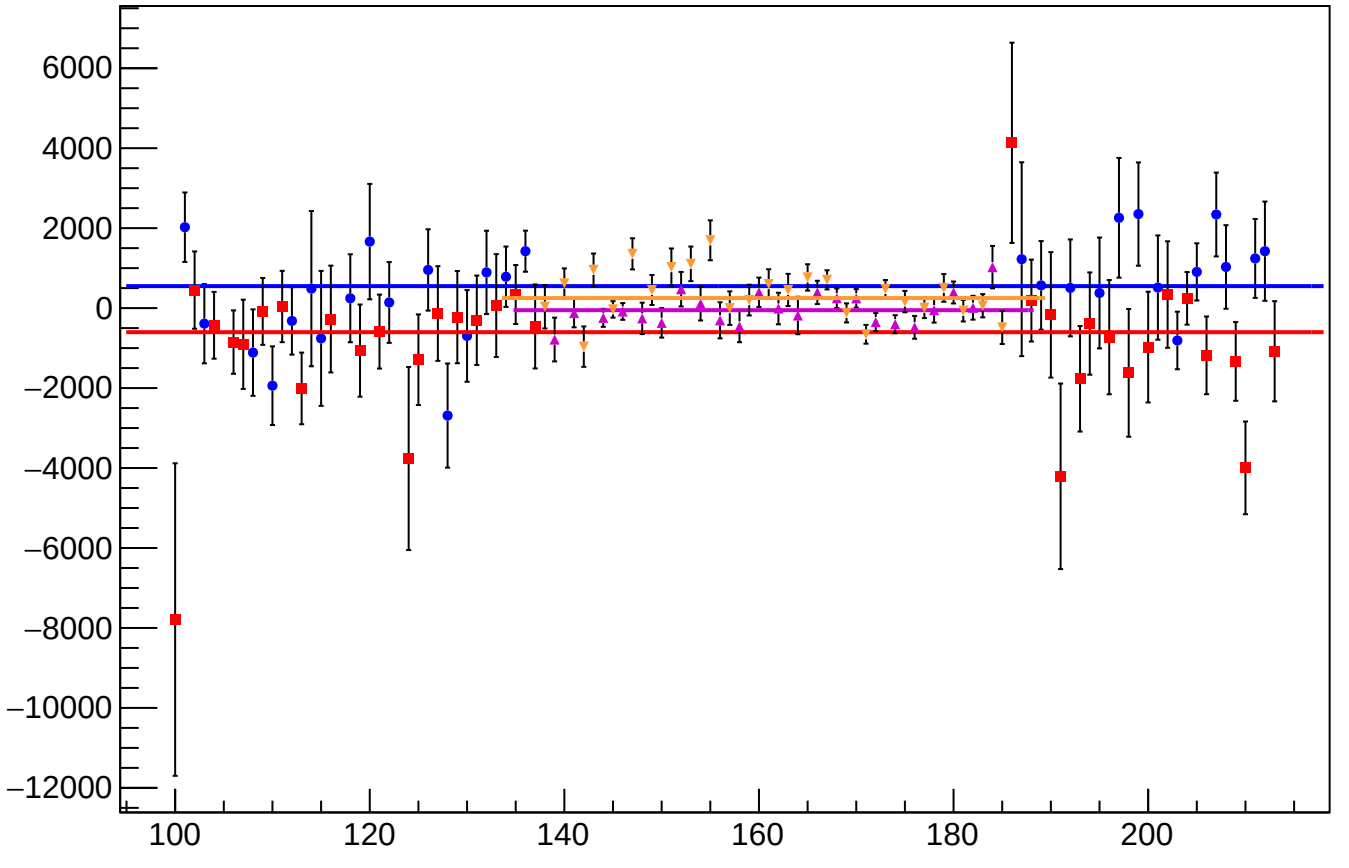
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 719.035+/-0.089 χ^2/NDF: 7181682.7/62

In: 289.947+/-0.040 χ^2/NDF:17777795.2/51

Out: 294.141+/-0.039 χ^2/NDF:20249210.7/58

All: 292.076+/-0.028 χ^2/NDF: 38032618.4/1



Right In: 549.831+/-187.245 χ^2/NDF: 36.9/28

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

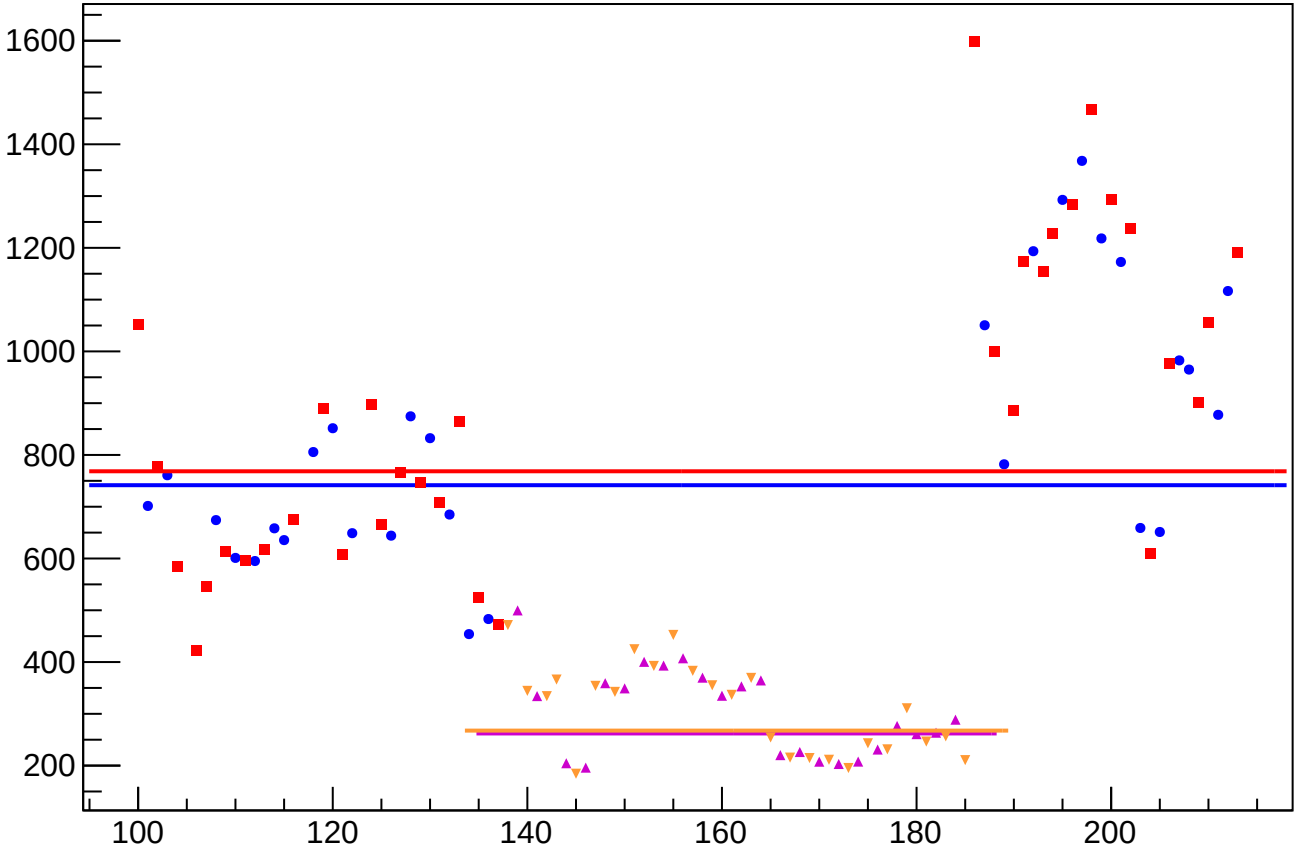
Right: -26.763+/-132.326 χ^2/NDF: 88.5/62

In: 10.941+/-60.427 χ^2/NDF:73.0/51

Out: 163.120+/-60.064 χ^2/NDF:118.8/58

All: 87.489+/-42.599 χ^2/NDF: 195.0/110

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 741.570+/-0.132 χ^2/NDF: 2960111.4/28

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

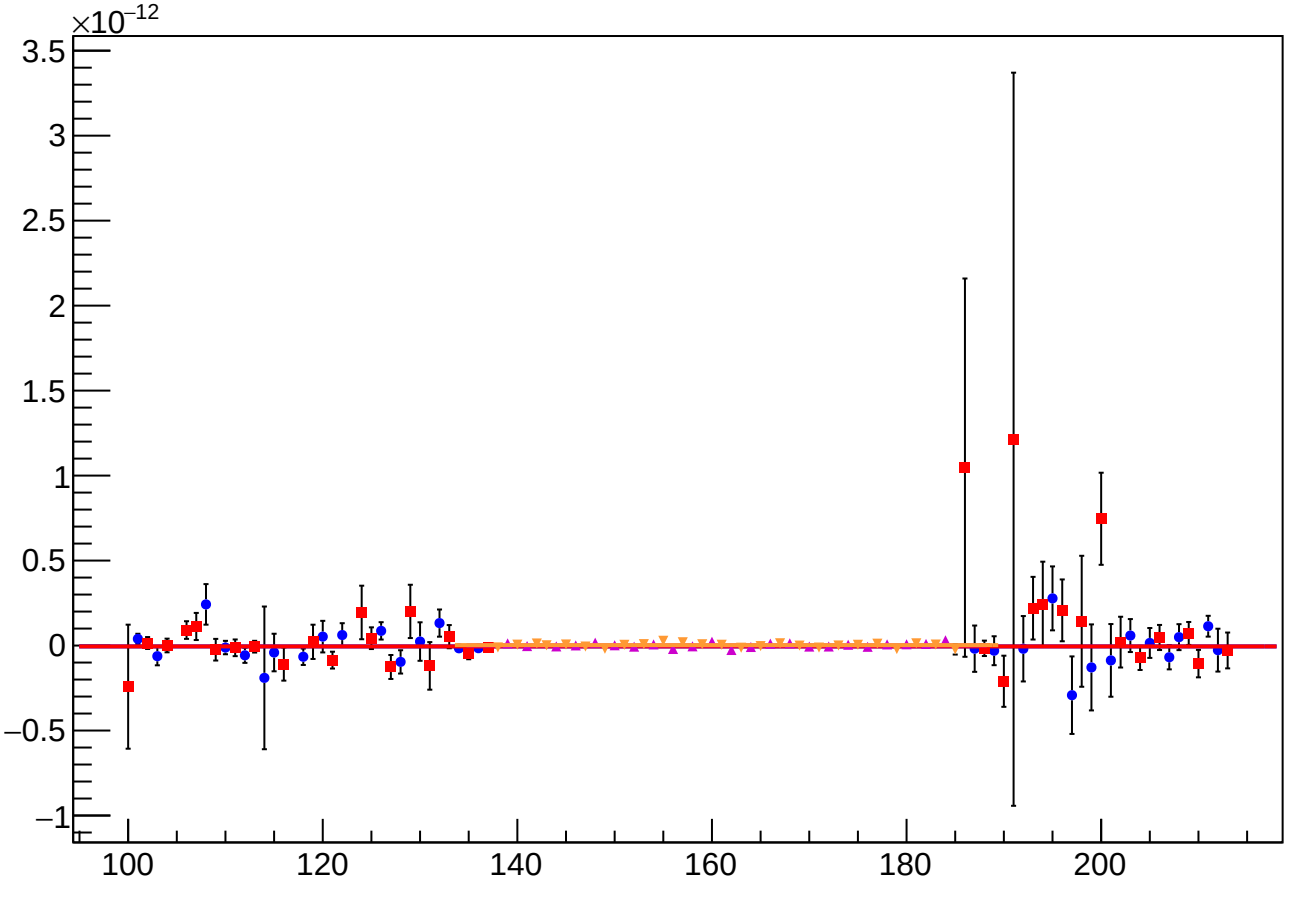
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 755.025+/-0.094 χ^2/NDF: 6850582.7/62

In: 312.028+/-0.043 χ^2/NDF:17246128.4/51

Out: 319.246+/-0.042 χ^2/NDF:19535168.5/58

All: 315.659+/-0.030 χ^2/NDF: 36795648.9/1



Right In: -0.000+/-0.000 χ^2/NDF: 30.9/28

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

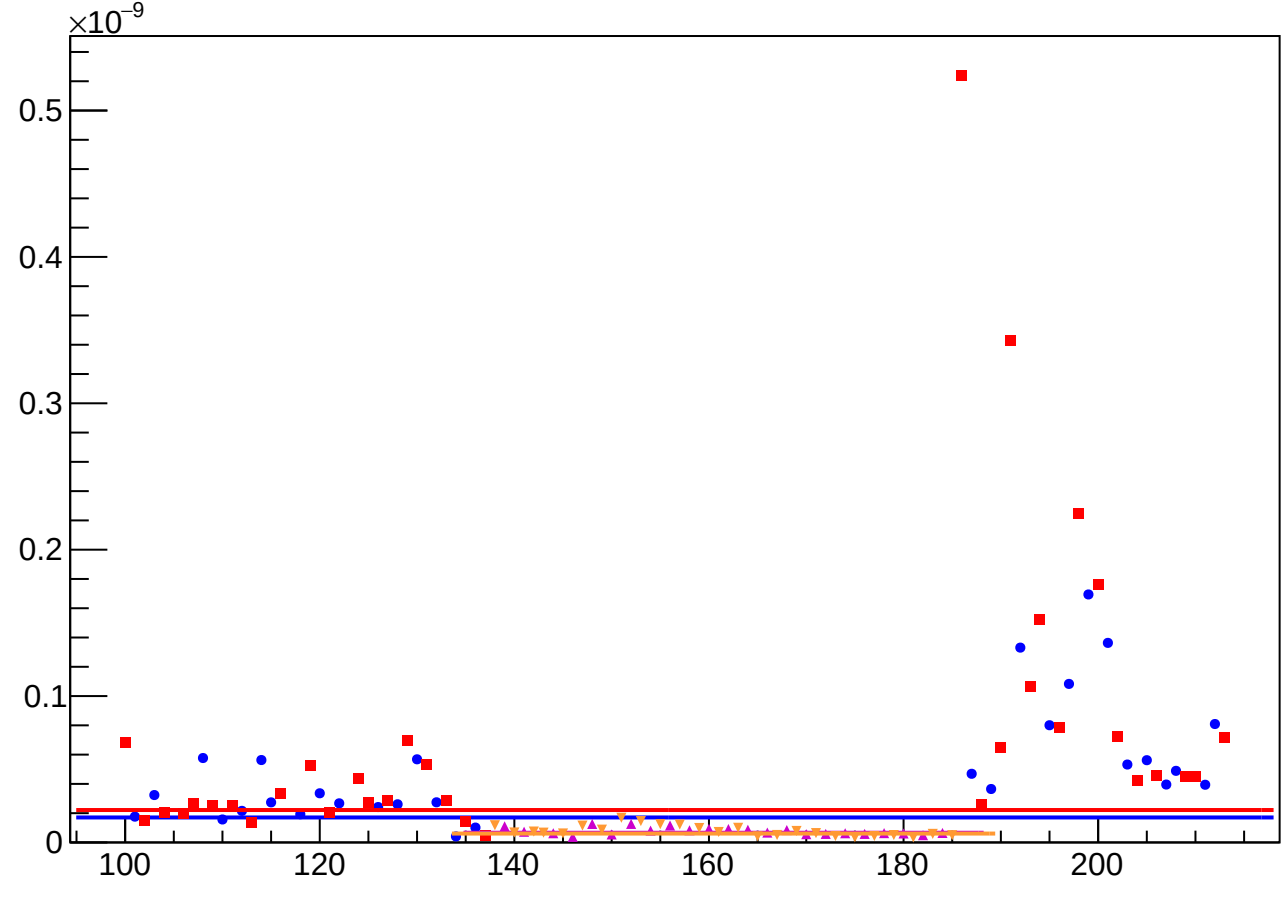
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 70.1/62

In: 0.000+/-0.000 χ^2/NDF:43.7/51

Out: 0.000+/-0.000 χ^2/NDF:54.9/58

All: 0.000+/-0.000 χ^2/NDF: 98.7/110



Right In: 0.000+/-0.000 χ^2/NDF: 7250415.9/28

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

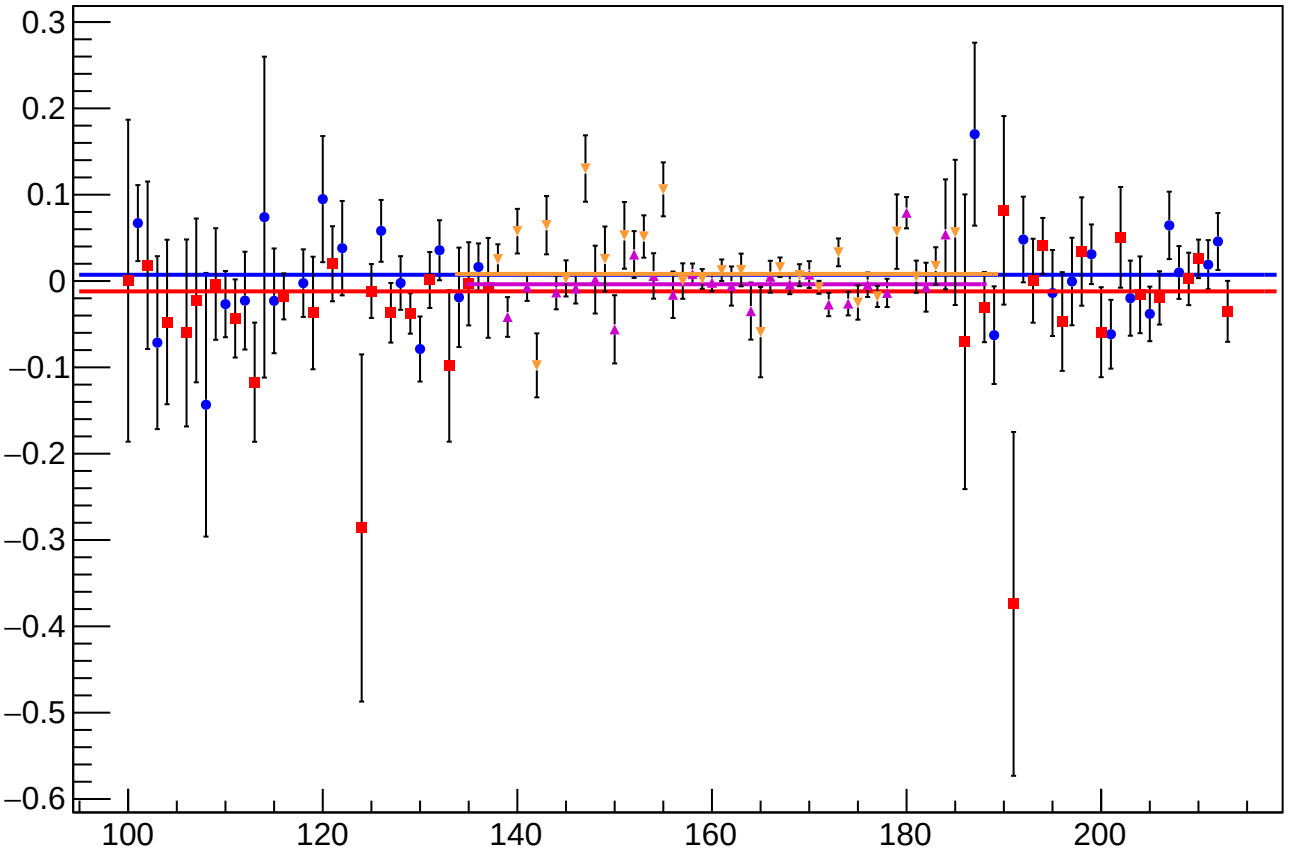
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 13949357.6/62

In: 0.000+/-0.000 χ^2/NDF:10951639.2/51

Out: 0.000+/-0.000 χ^2/NDF:13269981.6/58

All: 0.000+/-0.000 χ^2/NDF: 24278351.1/110



Right In: 0.007+/-0.008 χ^2/NDF: 29.4/28

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

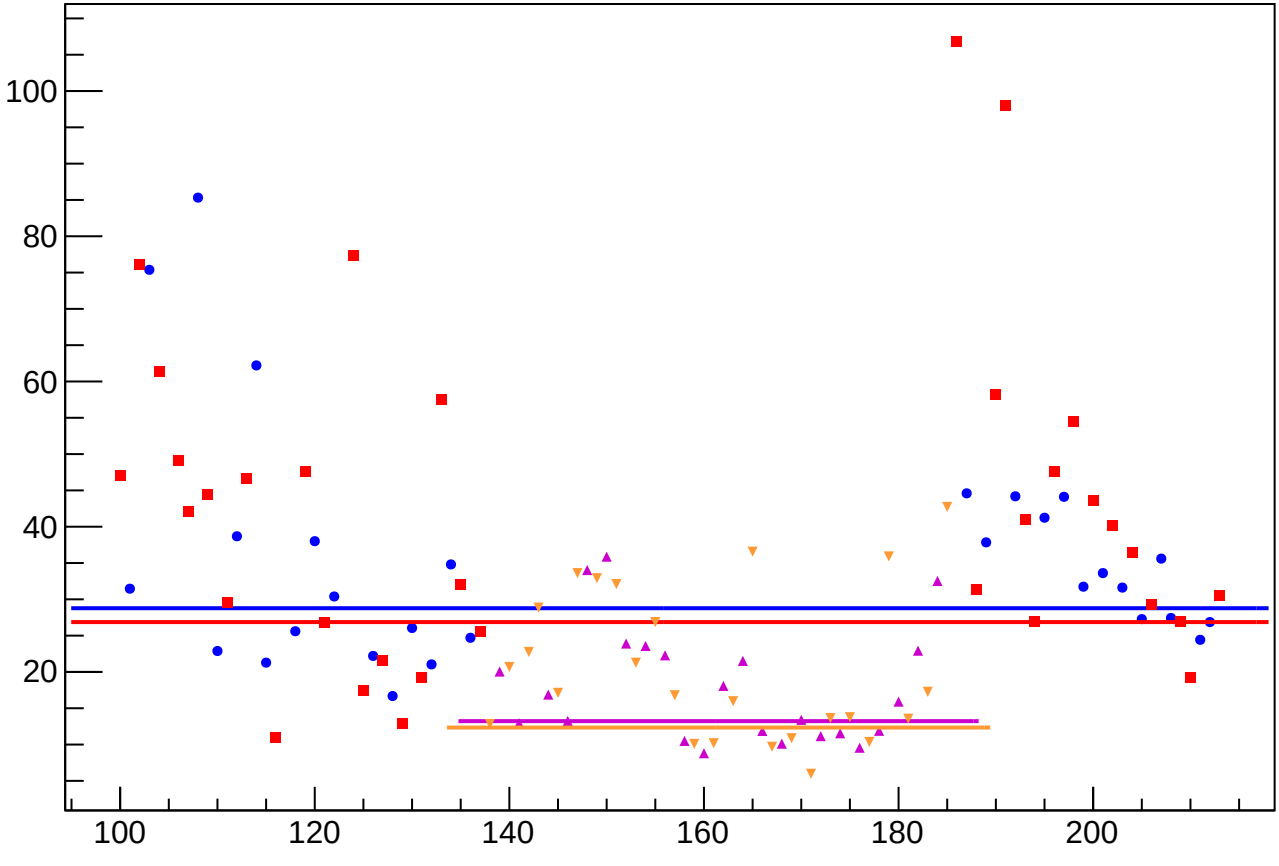
Right: -0.003+/-0.005 χ^2/NDF: 54.8/62

In: -0.002+/-0.003 χ^2/NDF:68.2/51

Out: 0.005+/-0.003 χ^2/NDF:87.1/58

All: 0.002+/-0.002 χ^2/NDF: 157.3/110

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.776+/-0.005 χ^2/NDF: 2284308.1/28

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

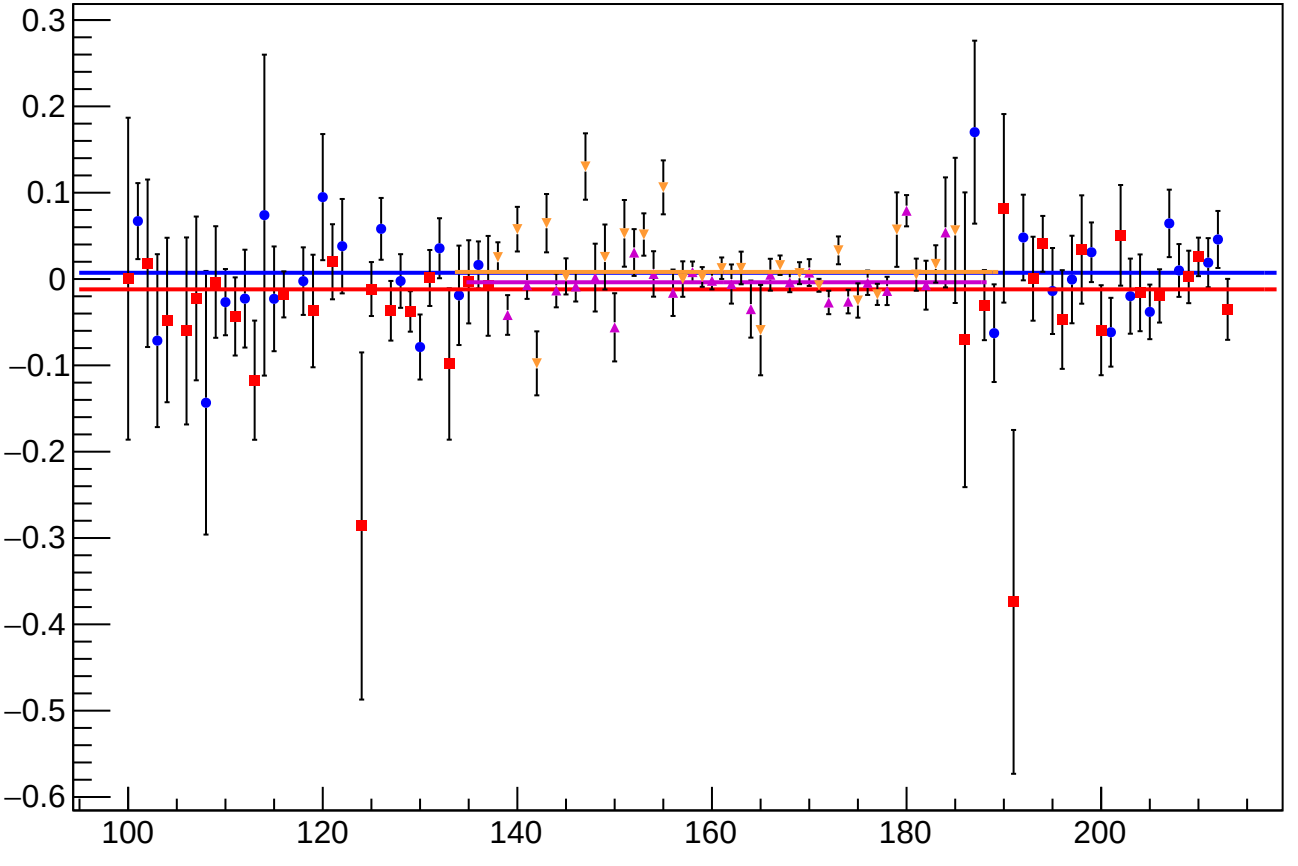
Right: 27.786+/-0.004 χ^2/NDF: 8334352.1/62

In: 16.019+/-0.002 χ^2/NDF:12736745.8/51

Out: 14.895+/-0.002 χ^2/NDF:18945643.8/58

All: 15.430+/-0.002 χ^2/NDF: 31804673.7/110

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.008 χ^2/NDF: 29.4/28

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

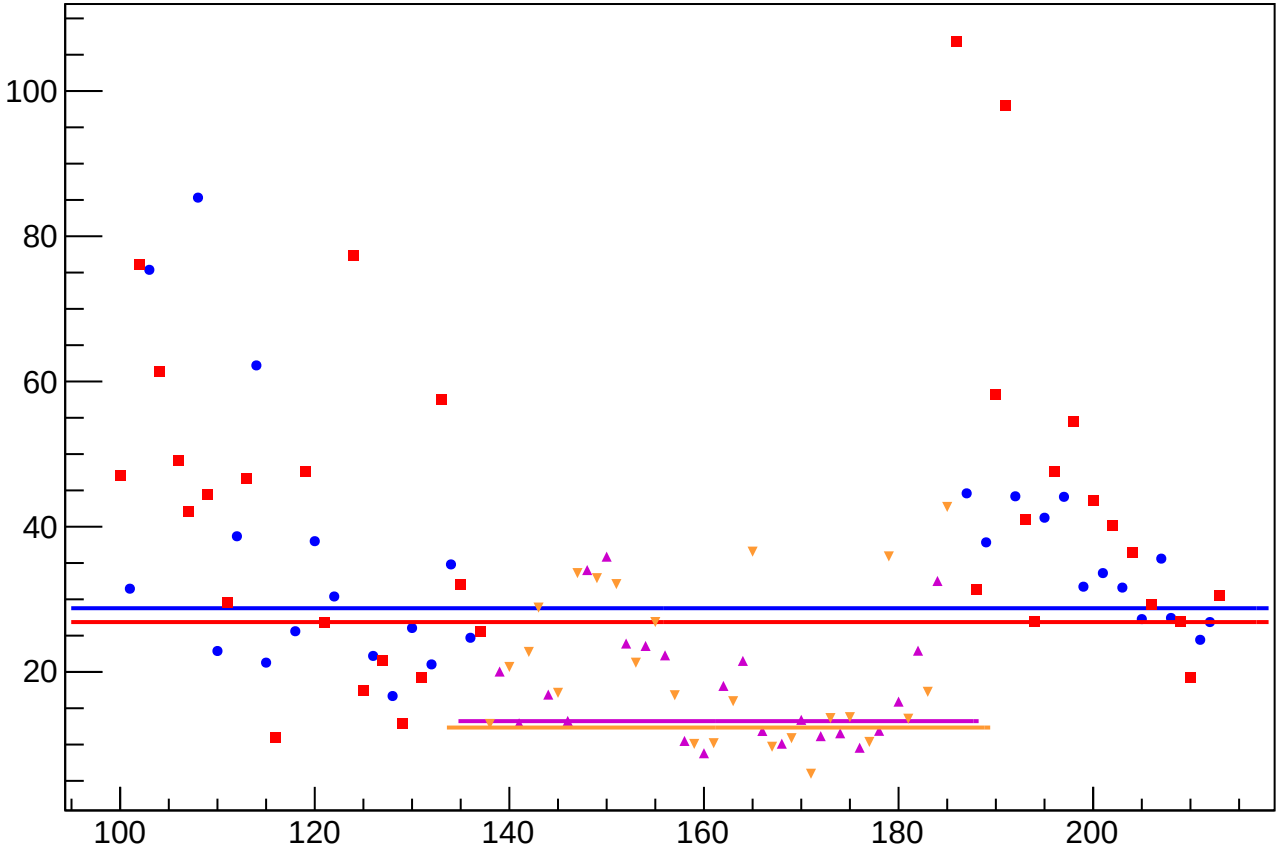
Right: -0.003+/-0.005 χ^2/NDF: 54.8/62

In: -0.002+/-0.003 χ^2/NDF:68.2/51

Out: 0.005+/-0.003 χ^2/NDF:87.1/58

All: 0.002+/-0.002 χ^2/NDF: 157.3/110

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.776+/-0.005 χ^2/NDF: 2284308.1/28

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

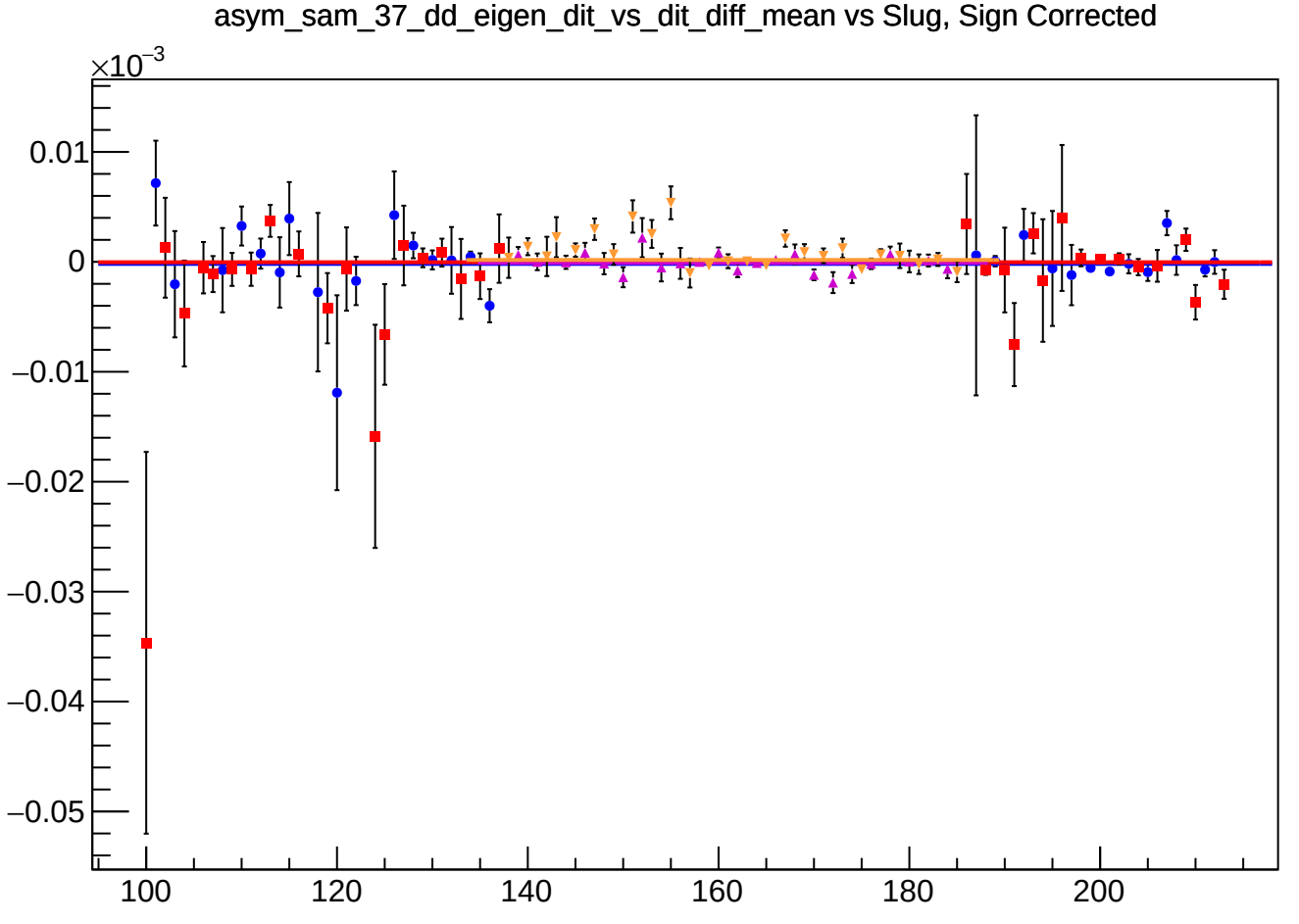
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.786+/-0.004 χ^2/NDF: 8334352.1/62

In: 16.019+/-0.002 χ^2/NDF:12736745.8/51

Out: 14.895+/-0.002 χ^2/NDF:18945643.8/58

All: 15.430+/-0.002 χ^2/NDF: 31804673.7/110



Right In: -0.000+/-0.000 χ^2/NDF: 42.5/28

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

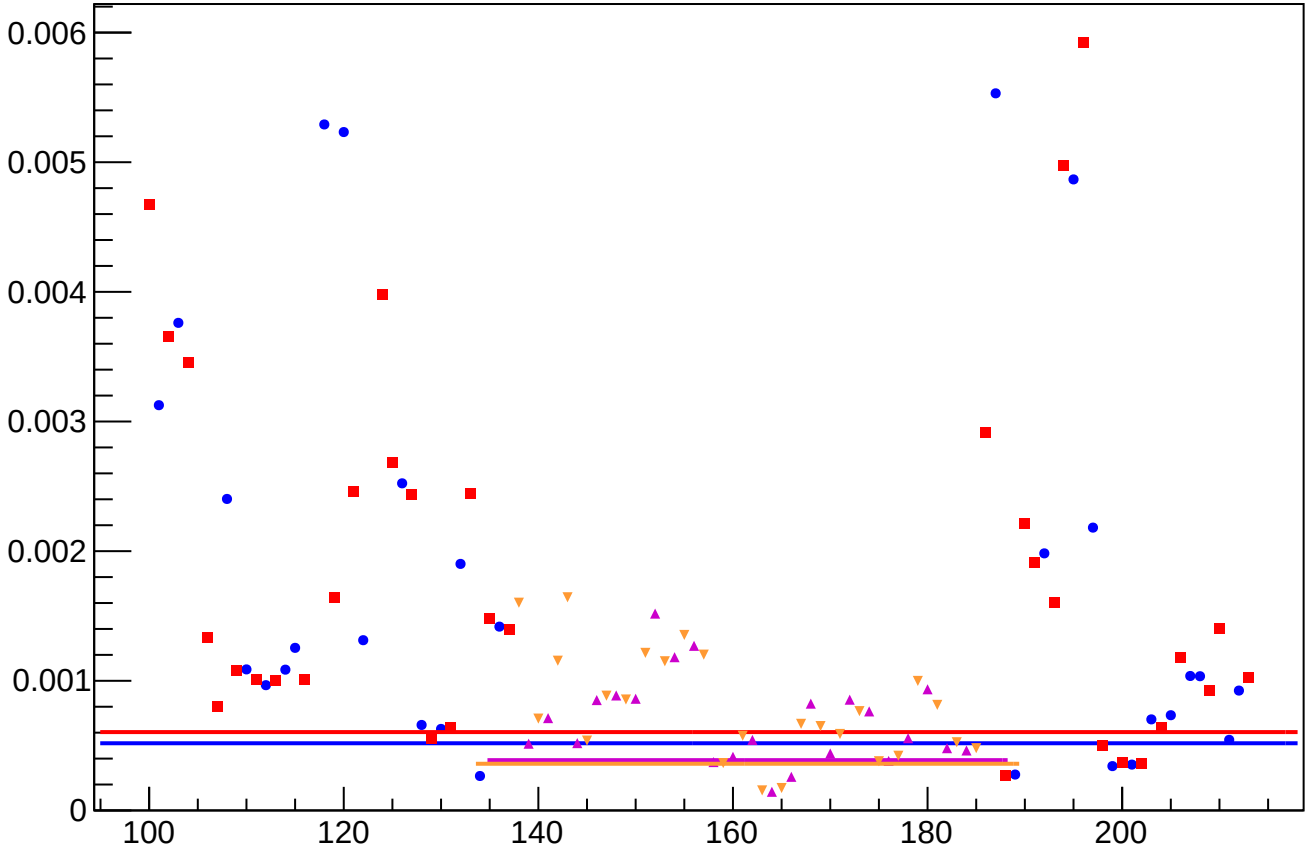
Right: -0.000+/-0.000 χ^2/NDF: 85.9/62

In: -0.000+/-0.000 χ^2/NDF:67.2/51

Out: 0.000+/-0.000 χ^2/NDF:105.4/58

All: 0.000+/-0.000 χ^2/NDF: 176.0/110

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 12636358.0/28

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

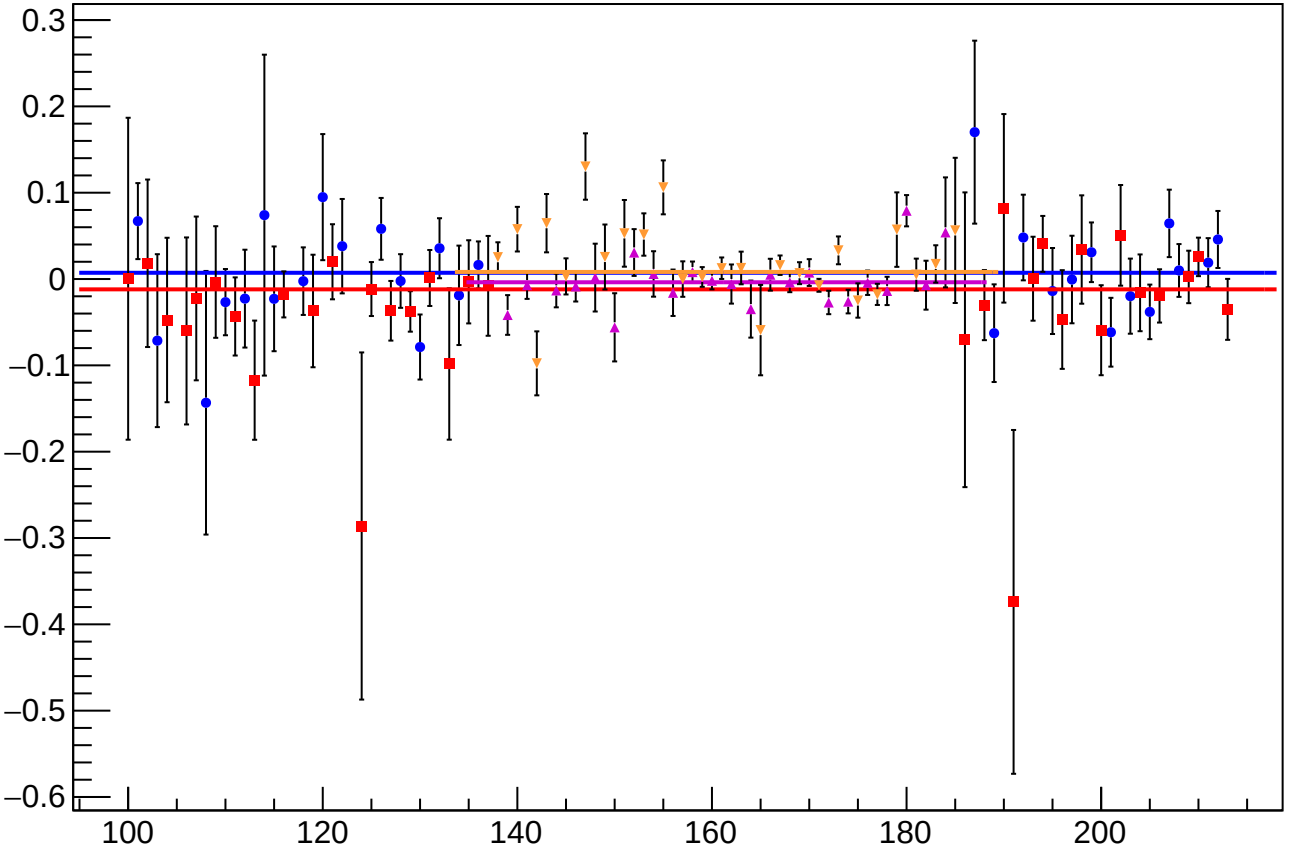
Right: 0.001+/-0.000 χ^2/NDF: 25891823.6/62

In: 0.000+/-0.000 χ^2/NDF:23924491.7/51

Out: 0.000+/-0.000 χ^2/NDF:29491956.3/58

All: 0.000+/-0.000 χ^2/NDF: 53436439.8/110

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.008 χ^2/NDF: 29.4/28

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

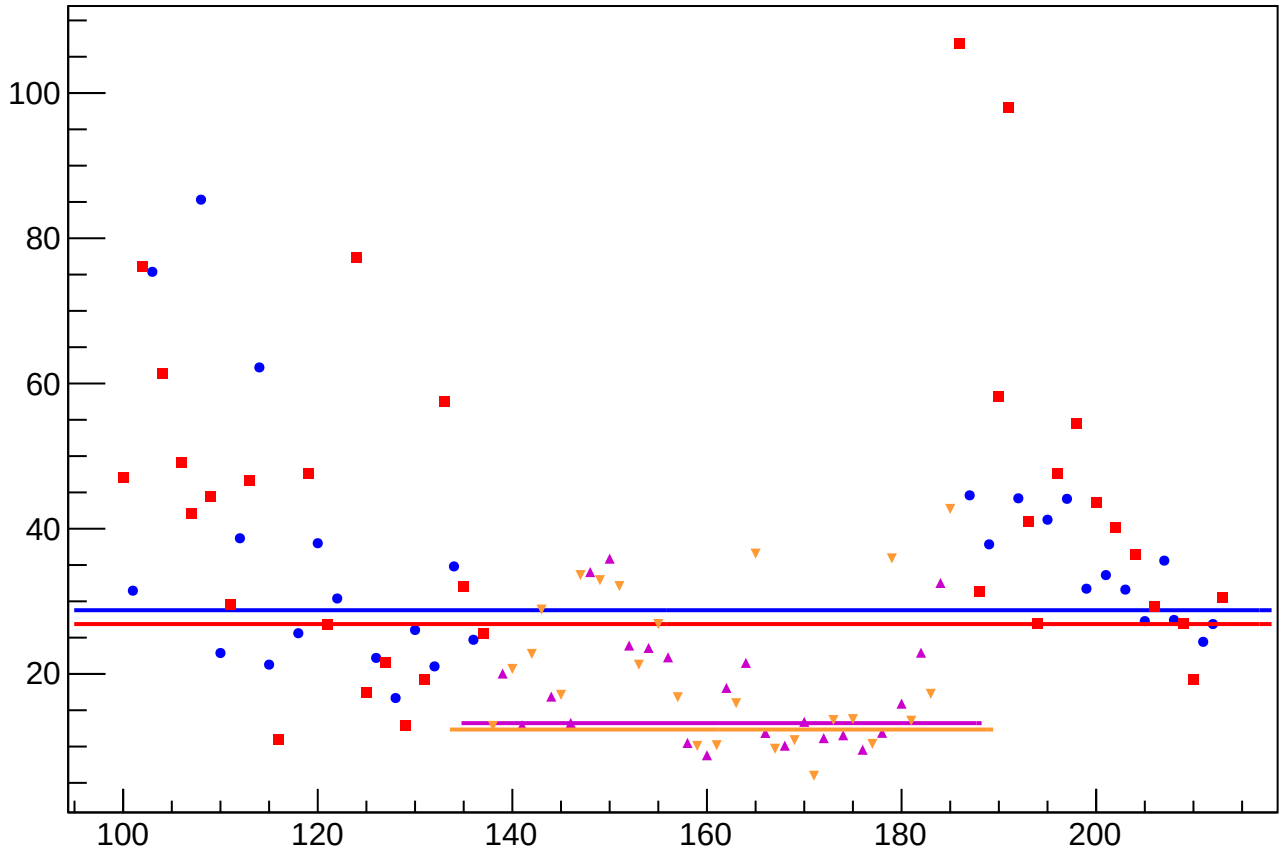
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.003+/-0.005 χ^2/NDF: 54.8/62

In: -0.002+/-0.003 χ^2/NDF:68.2/51

Out: 0.005+/-0.003 χ^2/NDF:87.1/58

All: 0.002+/-0.002 χ^2/NDF: 157.3/110



Right In: 28.776+/-0.005 χ^2/NDF: 2284233.8/28

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

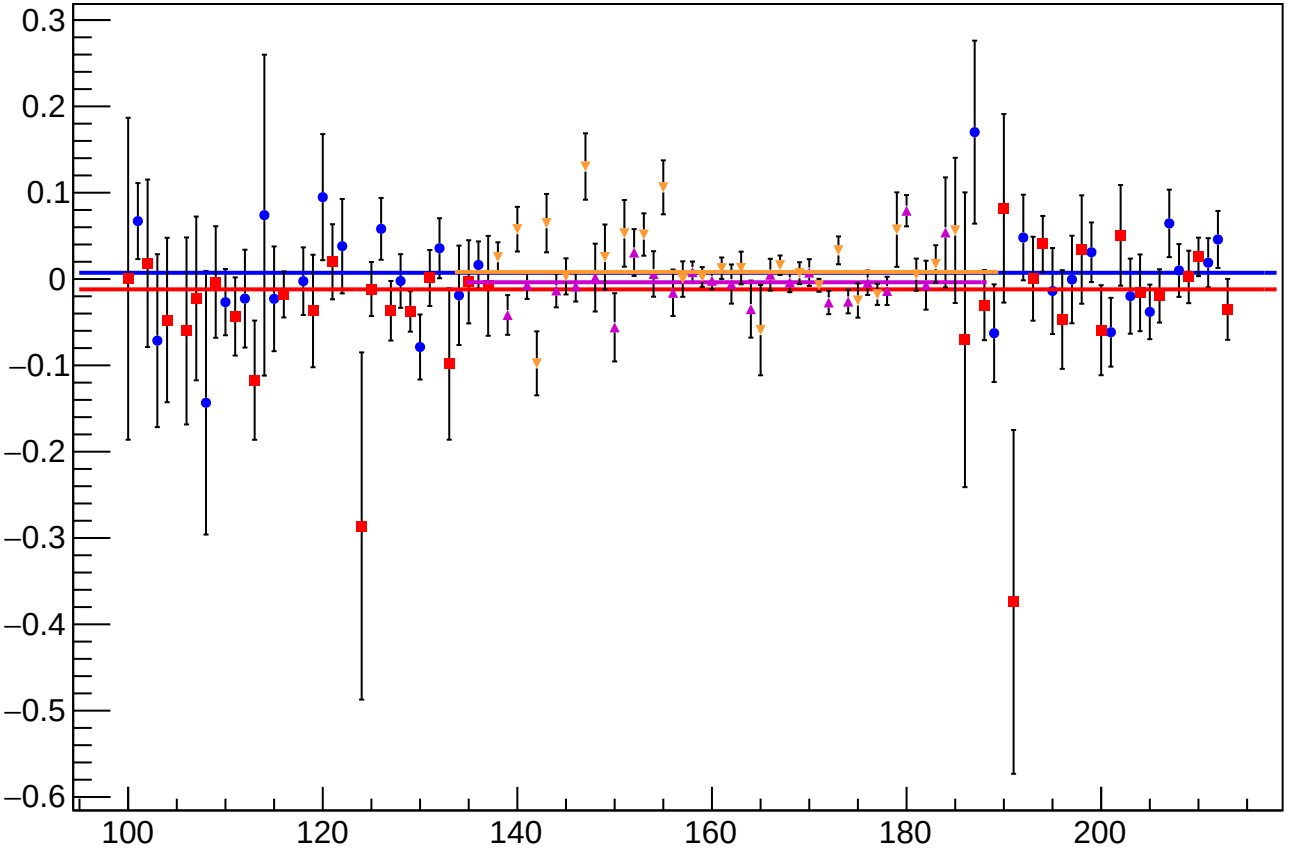
Right: 27.787+/-0.004 χ^2/NDF: 8333974.3/62

In: 16.019+/-0.002 χ^2/NDF:12736964.6/51

Out: 14.895+/-0.002 χ^2/NDF:18945783.6/58

All: 15.430+/-0.002 χ^2/NDF: 31805018.0/110

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.008 χ^2/NDF: 29.4/28

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

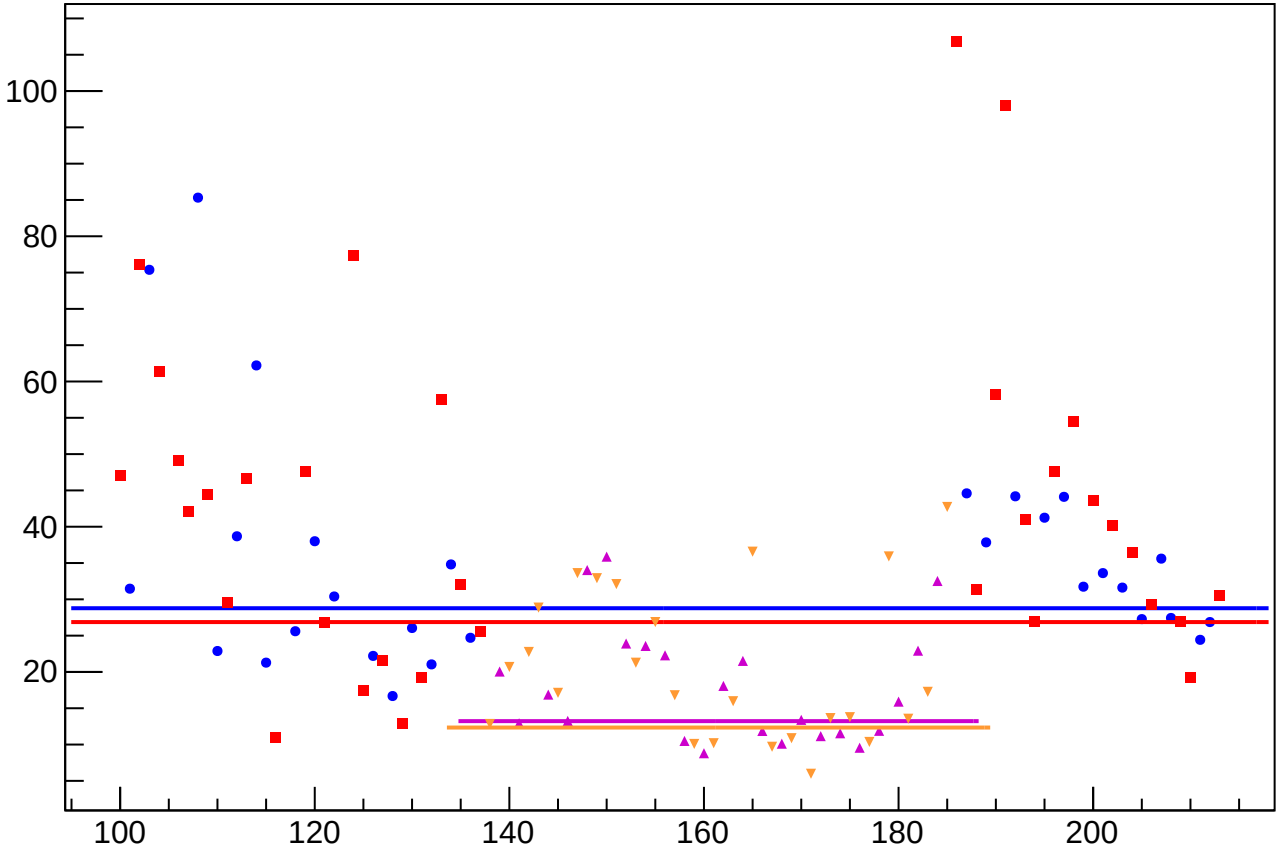
Right: -0.003+/-0.005 χ^2/NDF: 54.8/62

In: -0.002+/-0.003 χ^2/NDF:68.2/51

Out: 0.005+/-0.003 χ^2/NDF:87.1/58

All: 0.002+/-0.002 χ^2/NDF: 157.3/110

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.776+/-0.005 χ^2/NDF: 2284233.8/28

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

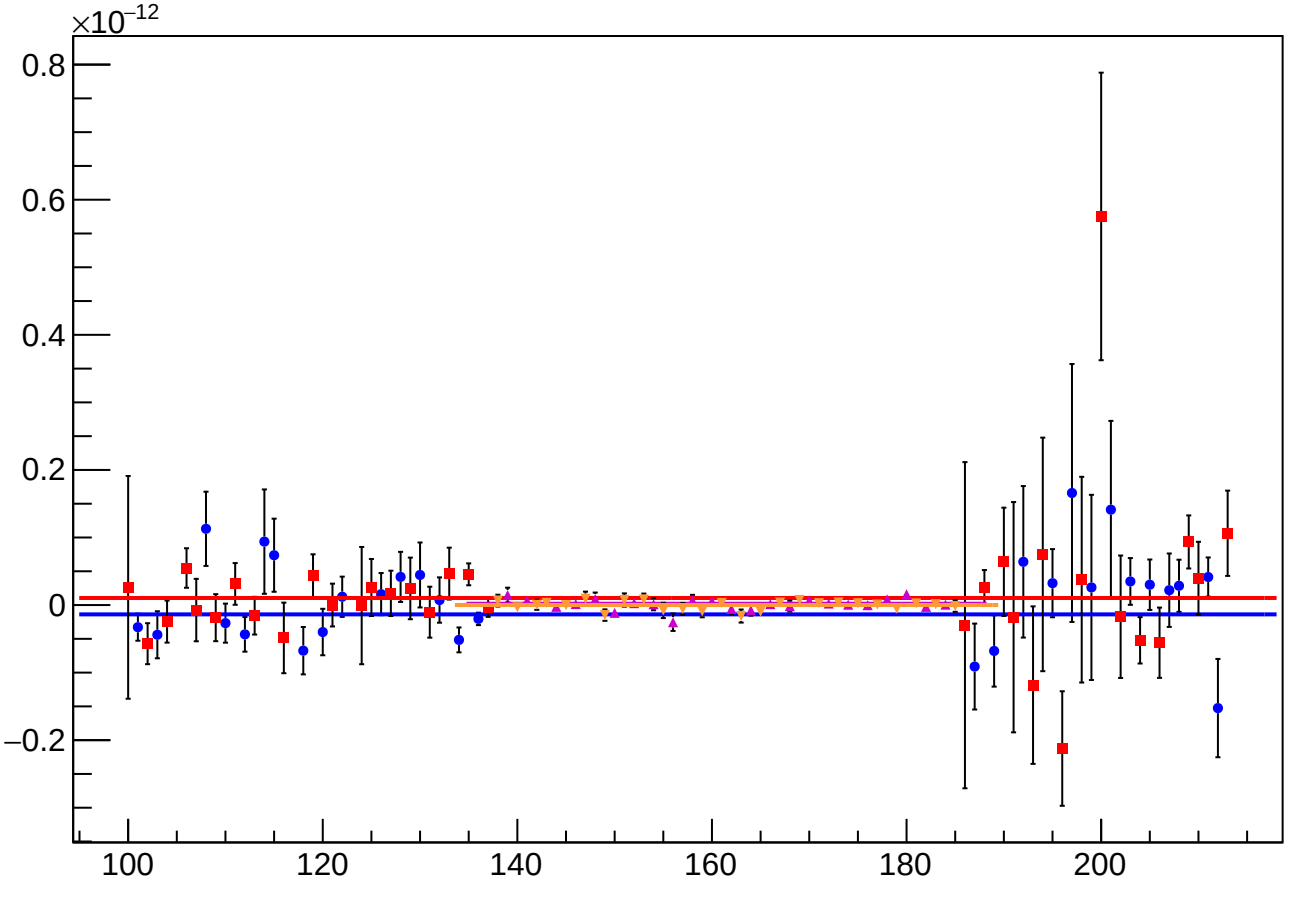
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.787+/-0.004 χ^2/NDF: 8333974.3/62

In: 16.019+/-0.002 χ^2/NDF:12736964.6/51

Out: 14.895+/-0.002 χ^2/NDF:18945783.6/58

All: 15.430+/-0.002 χ^2/NDF: 31805018.0/110



Right In: -0.000+/-0.000 χ^2/NDF: 45.0/28

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

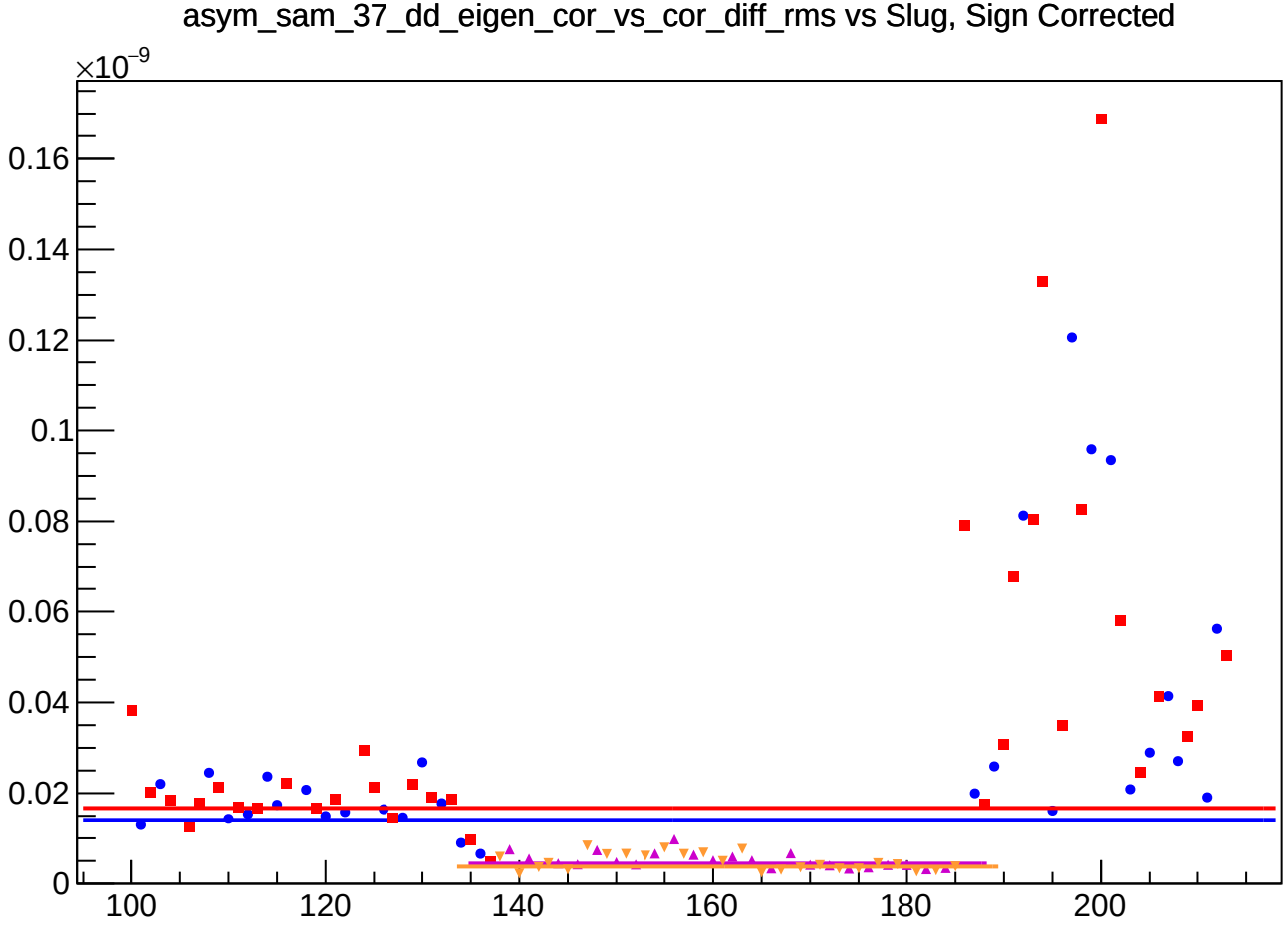
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 102.3/62

In: 0.000+/-0.000 χ^2/NDF:78.0/51

Out: 0.000+/-0.000 χ^2/NDF:72.9/58

All: 0.000+/-0.000 χ^2/NDF: 151.1/110



Right In: 0.000+/-0.000 χ^2/NDF: 6735488.2/28

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

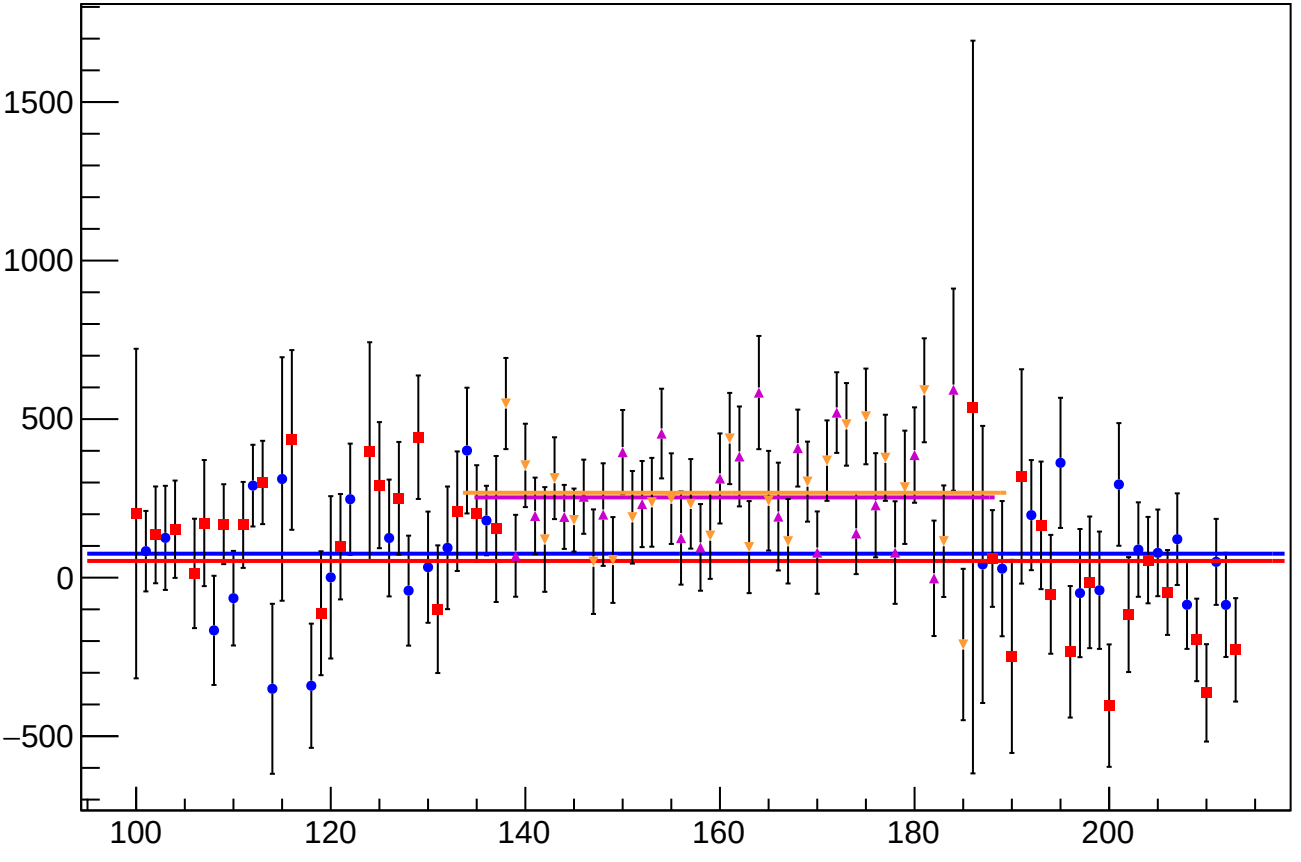
Right: 0.000+/-0.000 χ^2/NDF: 14649806.5/62

In: 0.000+/-0.000 χ^2/NDF:14256003.8/51

Out: 0.000+/-0.000 χ^2/NDF:19362990.0/58

All: 0.000+/-0.000 χ^2/NDF: 33996140.3/110

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 75.553+/-31.350 χ^2/NDF: 25.4/28

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

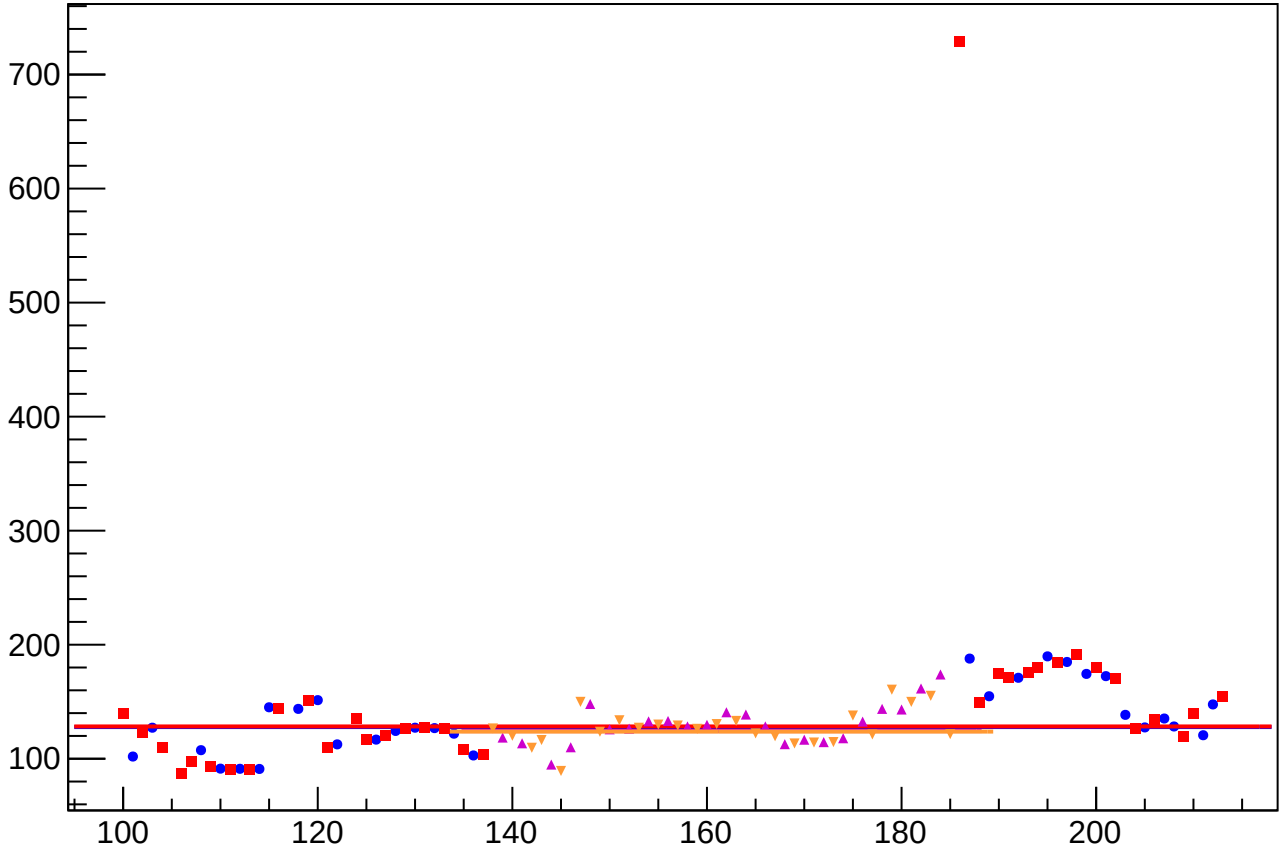
Right: 63.817+/-21.869 χ^2/NDF: 70.1/62

In: 170.254+/-21.411 χ^2/NDF:68.7/51

Out: 167.946+/-20.795 χ^2/NDF:102.0/58

All: 169.066+/-14.917 χ^2/NDF: 170.7/110

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 127.776+/-0.022 χ^2/NDF: 1411266.4/28

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

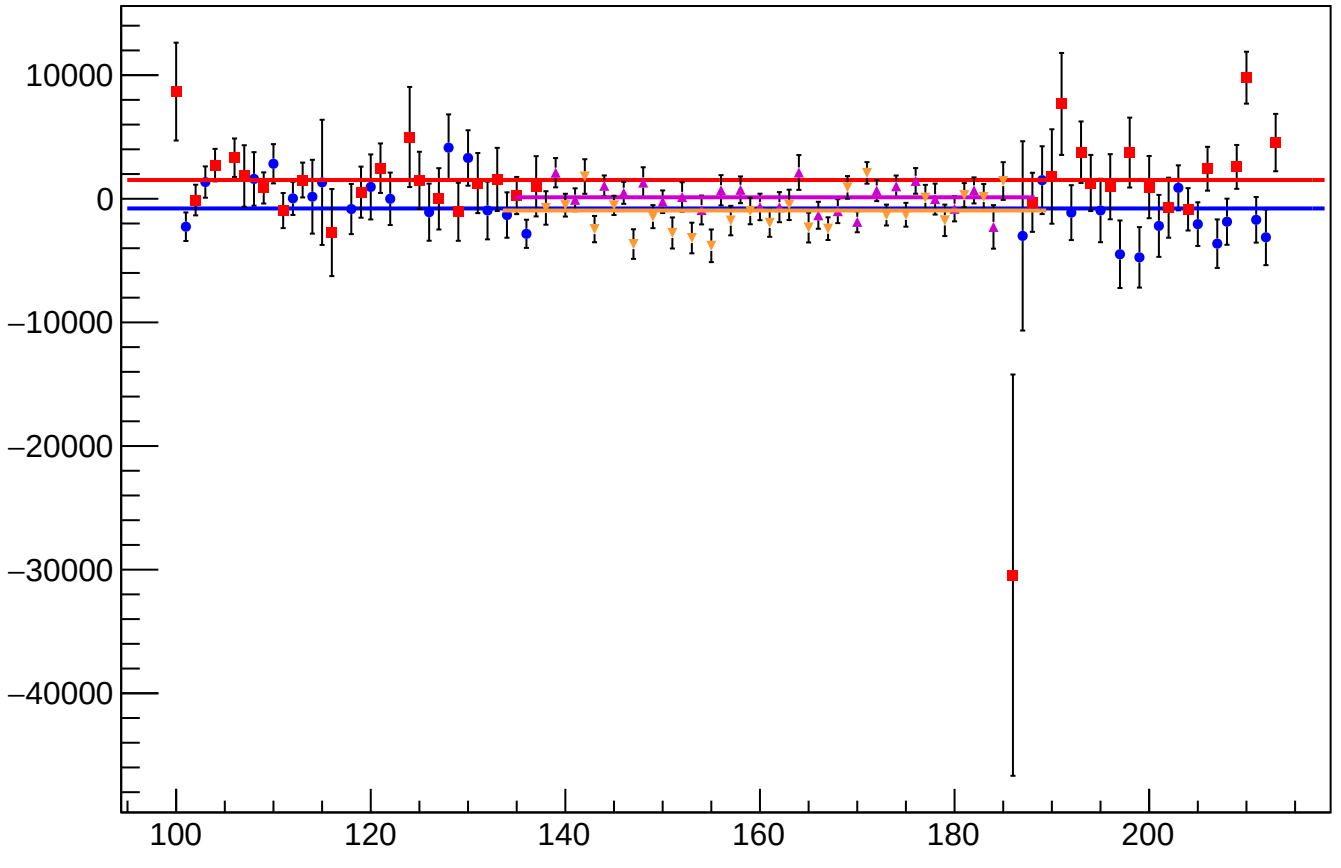
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 128.053+/-0.015 χ^2/NDF: 3797398.7/62

In: 125.899+/-0.015 χ^2/NDF:1981909.9/51

Out: 125.900+/-0.015 χ^2/NDF:3007660.1/58

All: 125.900+/-0.011 χ^2/NDF: 4989570.1/110



Right In: -783.379+/-360.408 χ^2/NDF: 32.8/28

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1517.145+/-348.491 χ^2/NDF: 44.3/33

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

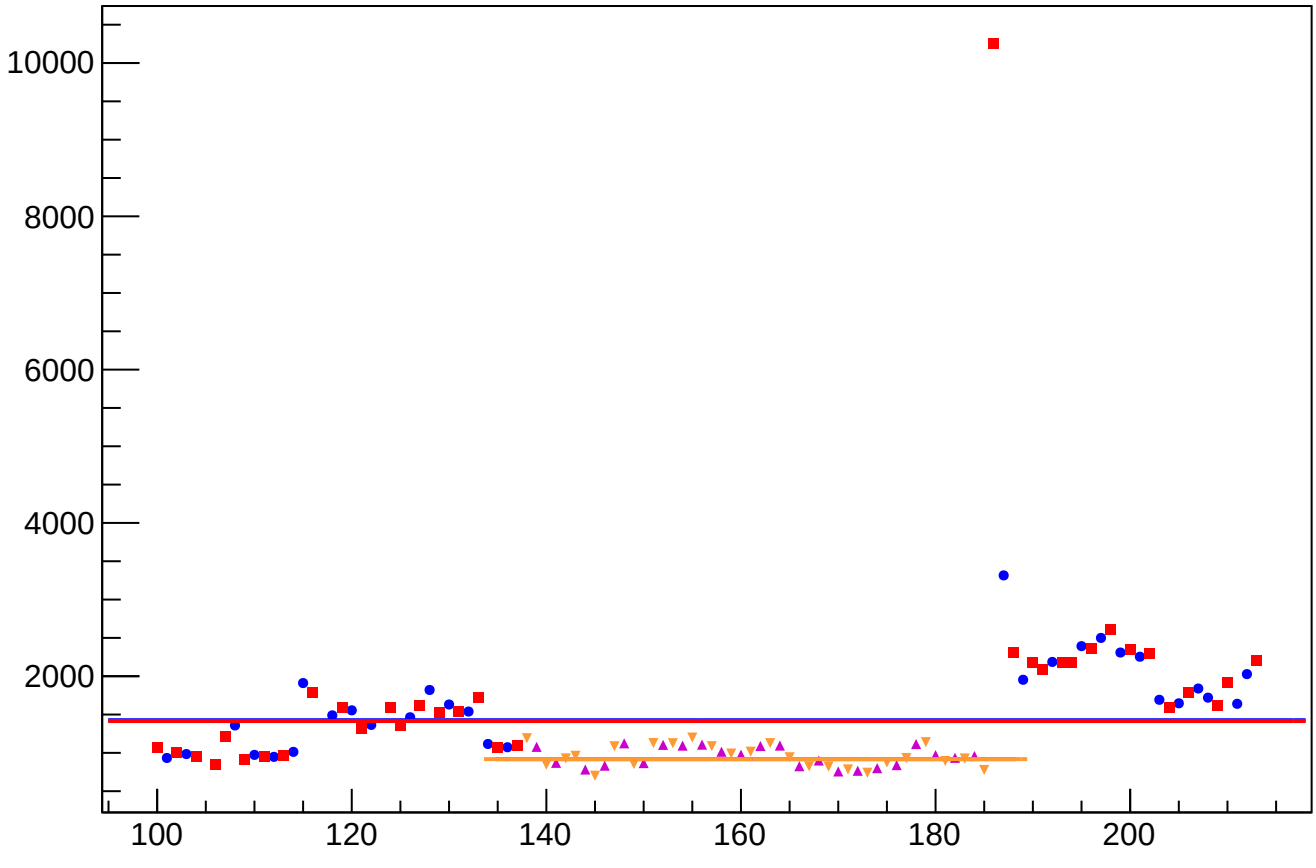
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 405.546+/-250.527 χ^2/NDF: 98.1/62

In: -121.777+/-186.008 χ^2/NDF:61.8/51

Out: -282.875+/-180.990 χ^2/NDF:131.1/58

All: -204.528+/-129.717 χ^2/NDF: 193.2/110



Right In: 1425.904+/-0.255 χ^2/NDF: 3287960.6/28

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

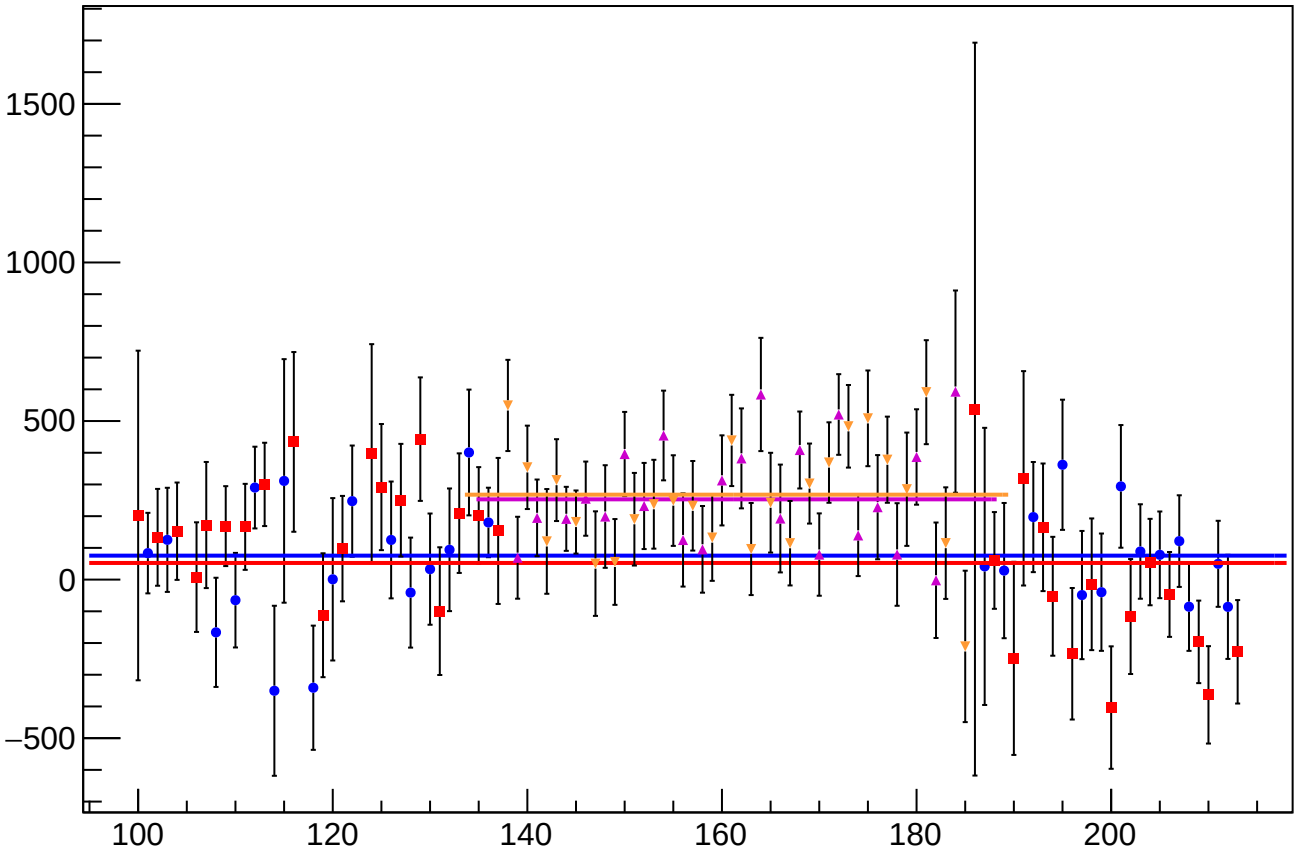
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1420.385+/-0.177 χ^2/NDF: 8089818.0/62

In: 1053.444+/-0.132 χ^2/NDF:6865745.1/51

Out: 1052.482+/-0.128 χ^2/NDF:8656062.1/58

All: 1052.950+/-0.092 χ^2/NDF: 15521834.6/



Right In: 75.547+/-31.350 χ^2/NDF: 25.4/28

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

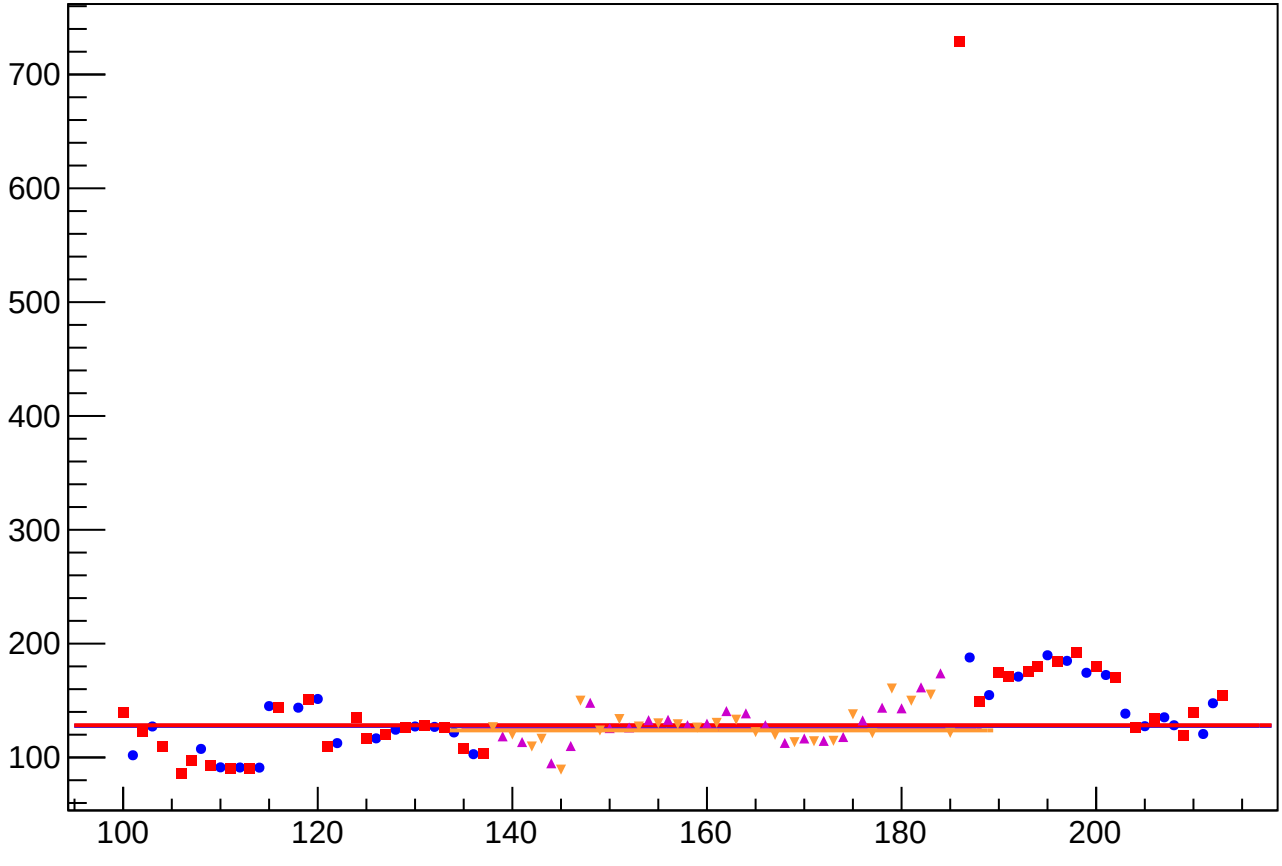
Right: 63.696+/-21.870 χ^2/NDF: 70.1/62

In: 170.253+/-21.411 χ^2/NDF:68.7/51

Out: 167.851+/-20.795 χ^2/NDF:102.1/58

All: 169.017+/-14.918 χ^2/NDF: 170.7/110

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 127.776+/-0.022 χ^2/NDF: 1411266.4/28

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

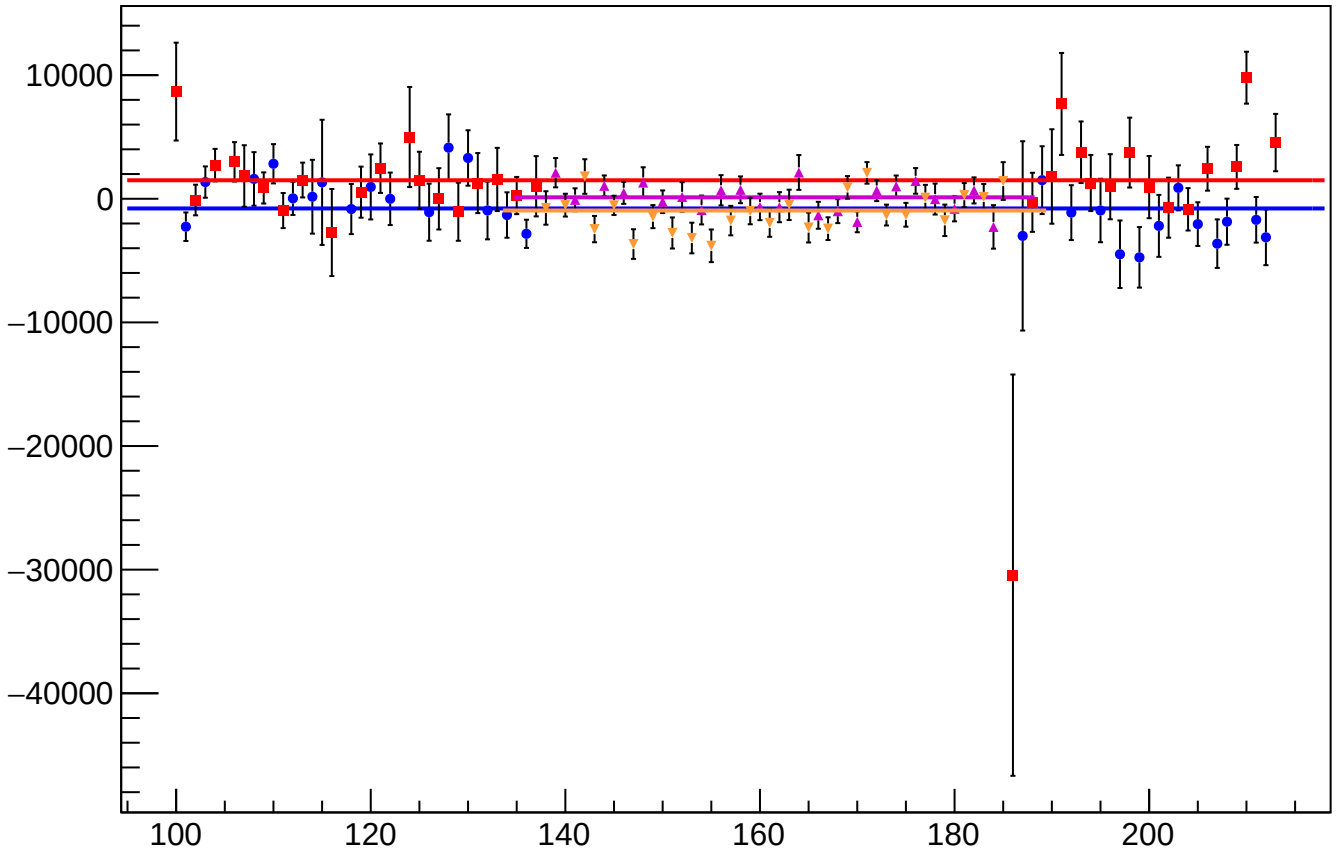
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 128.039+/-0.015 χ^2/NDF: 3803317.5/62

In: 125.899+/-0.015 χ^2/NDF:1981910.1/51

Out: 125.887+/-0.015 χ^2/NDF:3013311.8/58

All: 125.893+/-0.011 χ^2/NDF: 4995222.2/110



Right In: -783.440+/-360.410 χ^2/NDF: 32.8/28

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

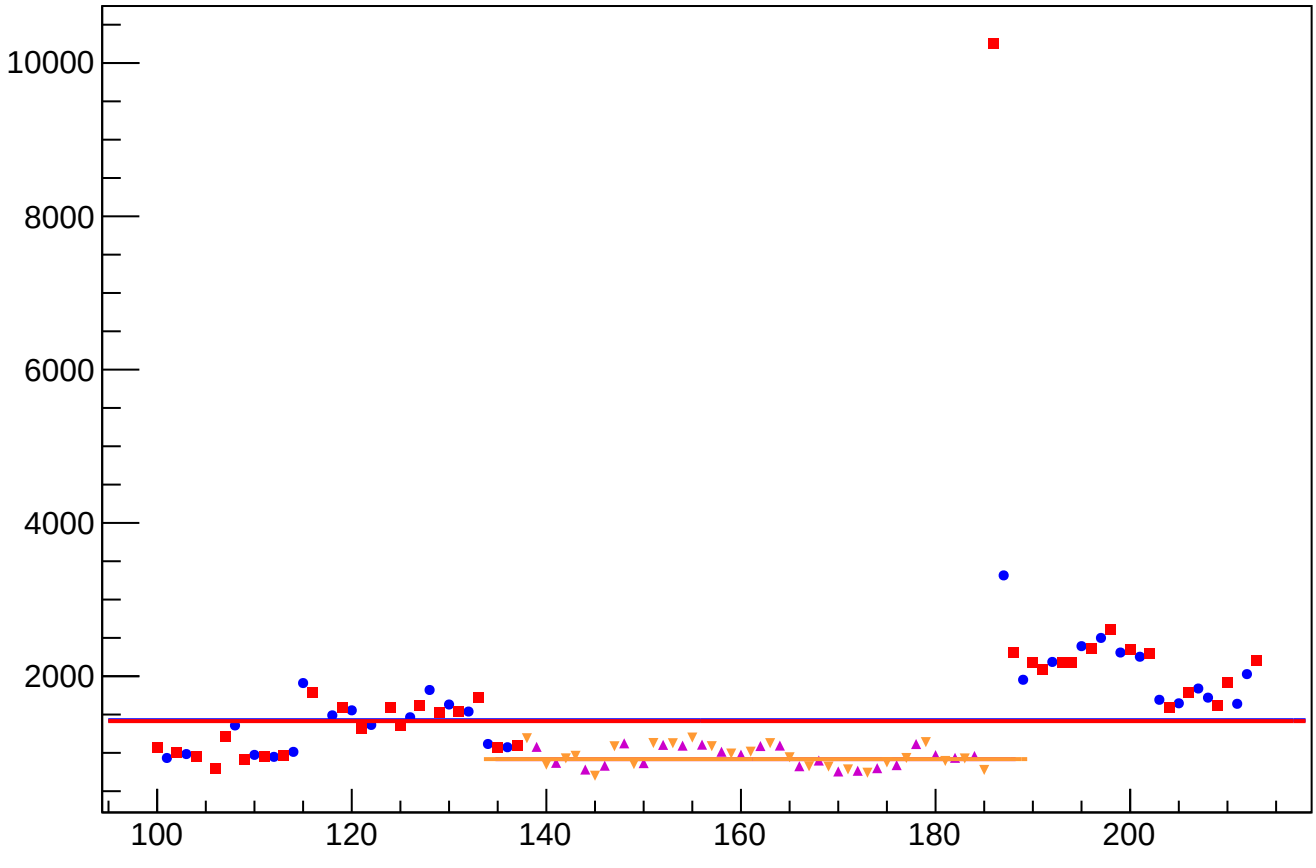
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 393.897+/-250.680 χ^2/NDF: 97.2/62

In: -121.790+/-186.008 χ^2/NDF:61.8/51

Out: -289.367+/-181.048 χ^2/NDF:129.9/58

All: -207.843+/-129.738 χ^2/NDF: 192.1/110



Right In: 1425.913+/-0.255 χ^2/NDF: 3287868.6/28

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

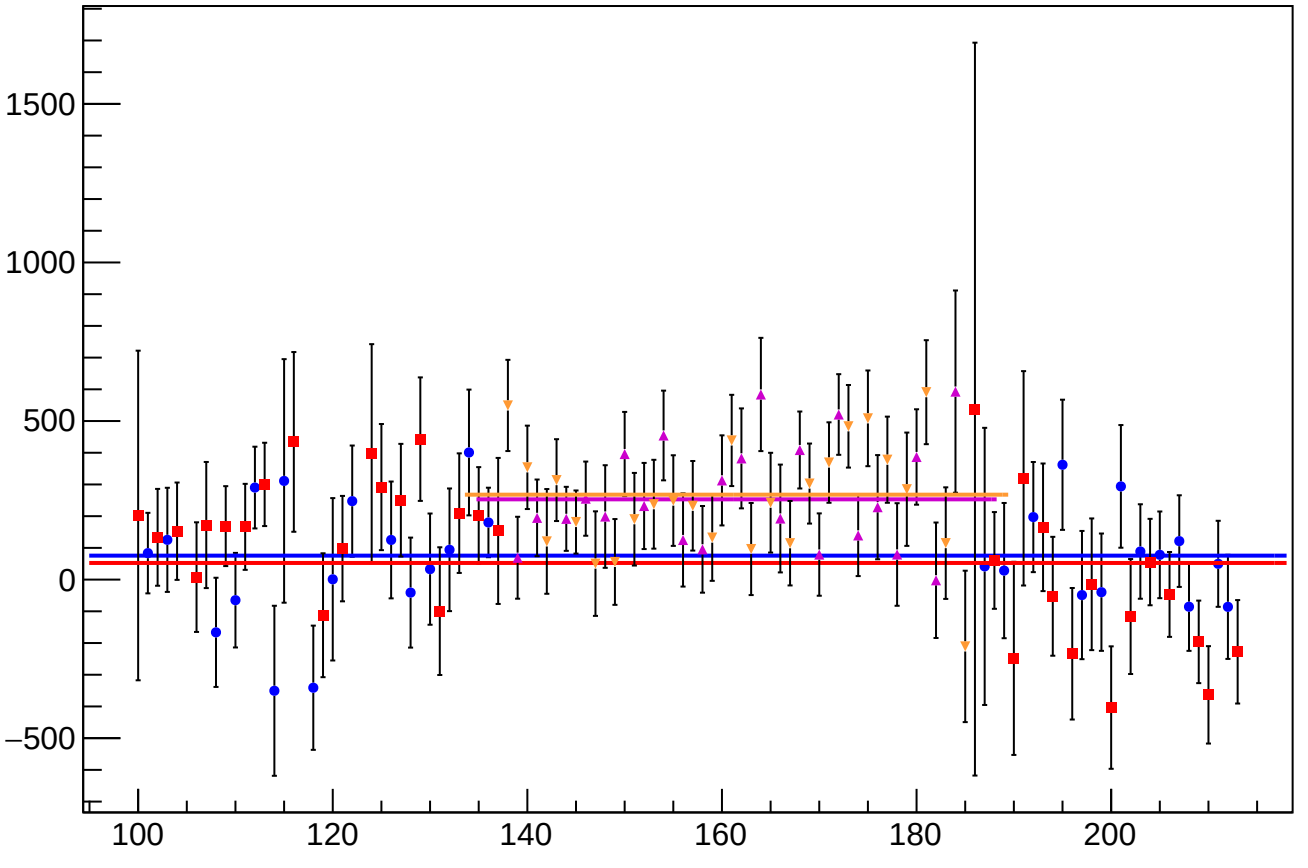
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1419.844+/-0.177 χ^2/NDF: 8124485.7/62

In: 1053.446+/-0.132 χ^2/NDF:6865734.3/51

Out: 1051.964+/-0.128 χ^2/NDF:8672807.0/58

All: 1052.685+/-0.092 χ^2/NDF: 15538606.5/1



Right In: 75.547+/-31.350 χ^2/NDF: 25.4/28

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

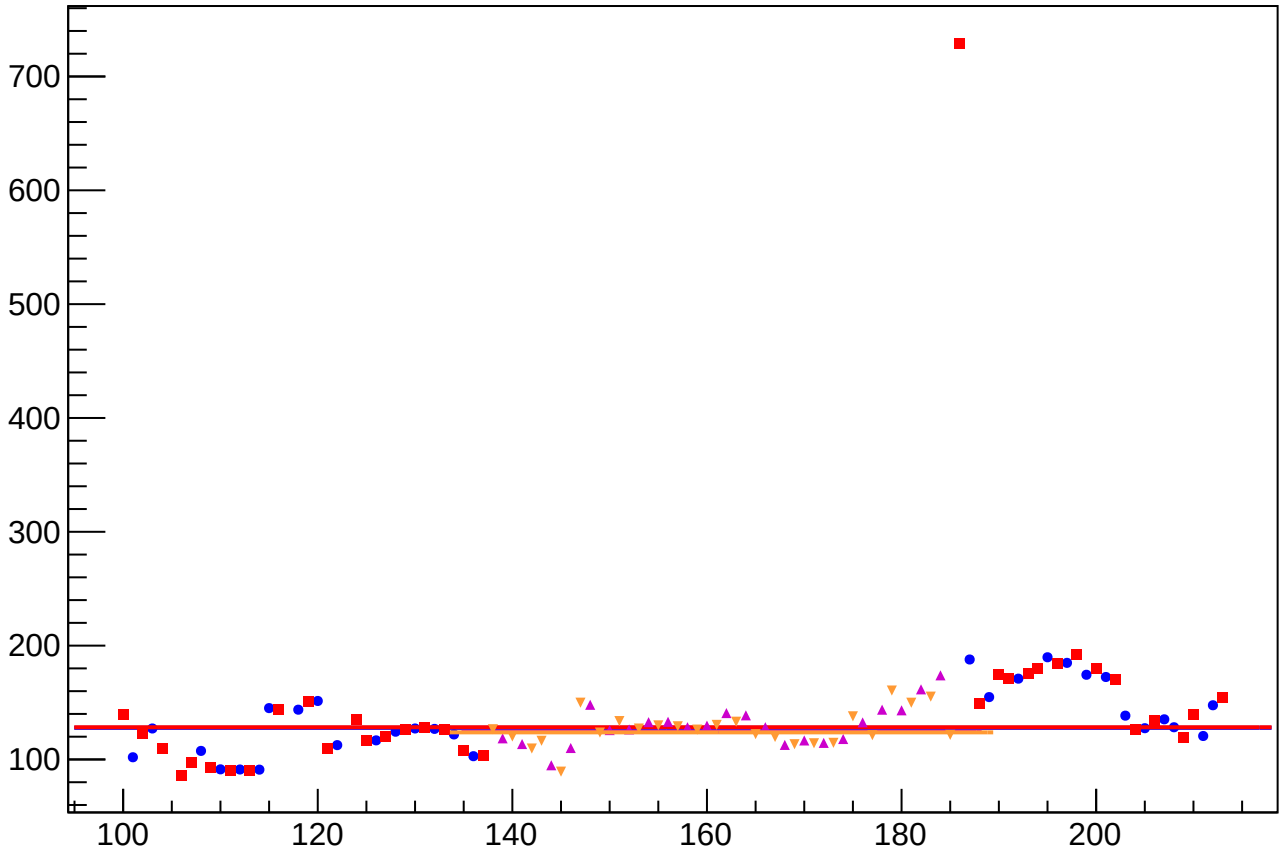
Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

Right: 63.696+/-21.870 χ^2/NDF: 70.1/62

In: 170.253+/-21.411 χ^2/NDF:68.7/51

Out: 167.851+/-20.795 χ^2/NDF:102.1/58

All: 169.017+/-14.918 χ^2/NDF: 170.7/110



Right In: 127.776+/-0.022 χ^2/NDF: 1411266.4/28

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

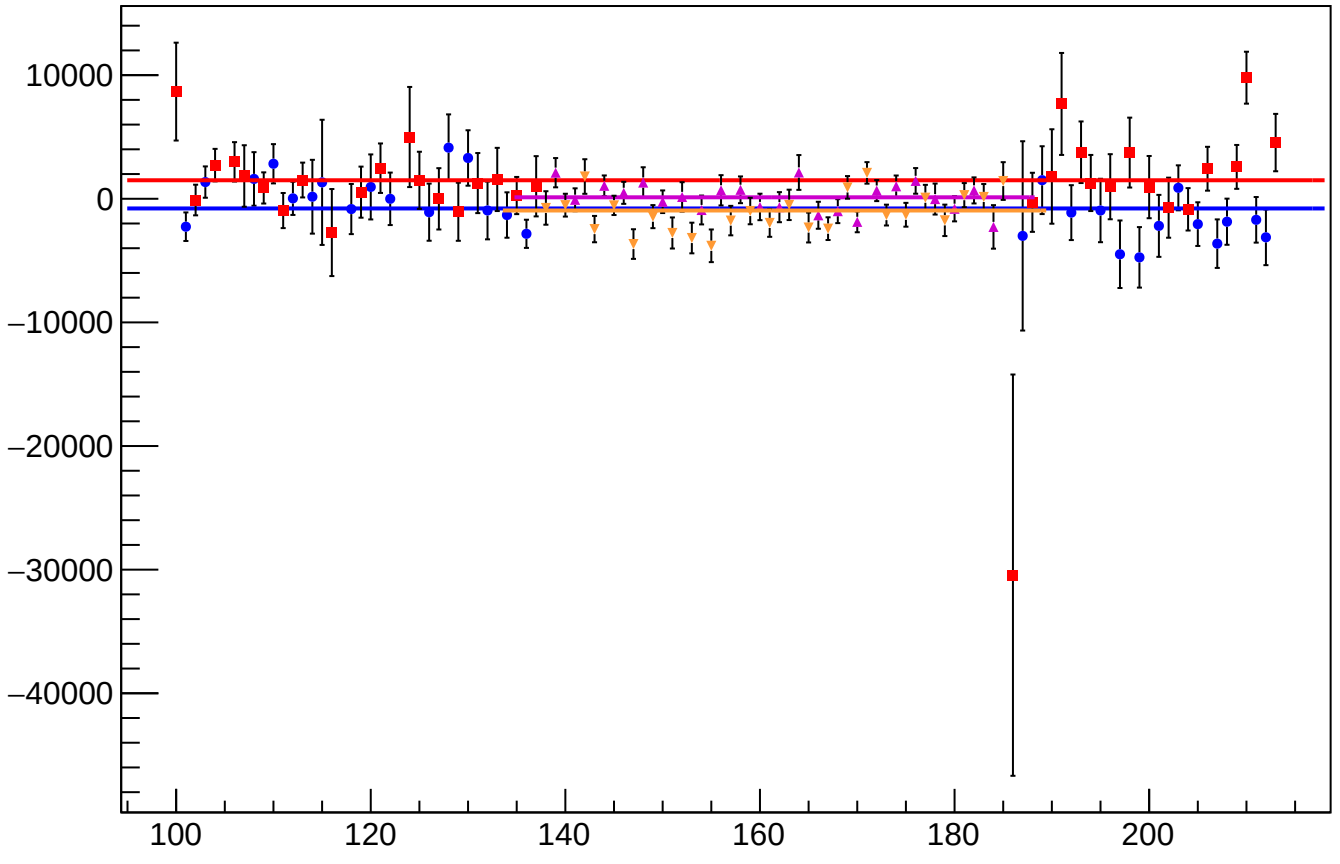
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 128.039+/-0.015 χ^2/NDF: 3803317.5/62

In: 125.899+/-0.015 χ^2/NDF:1981910.1/51

Out: 125.887+/-0.015 χ^2/NDF:3013311.8/58

All: 125.893+/-0.011 χ^2/NDF: 4995222.2/110



Right In: -783.440+/-360.410 χ^2/NDF: 32.8/28

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

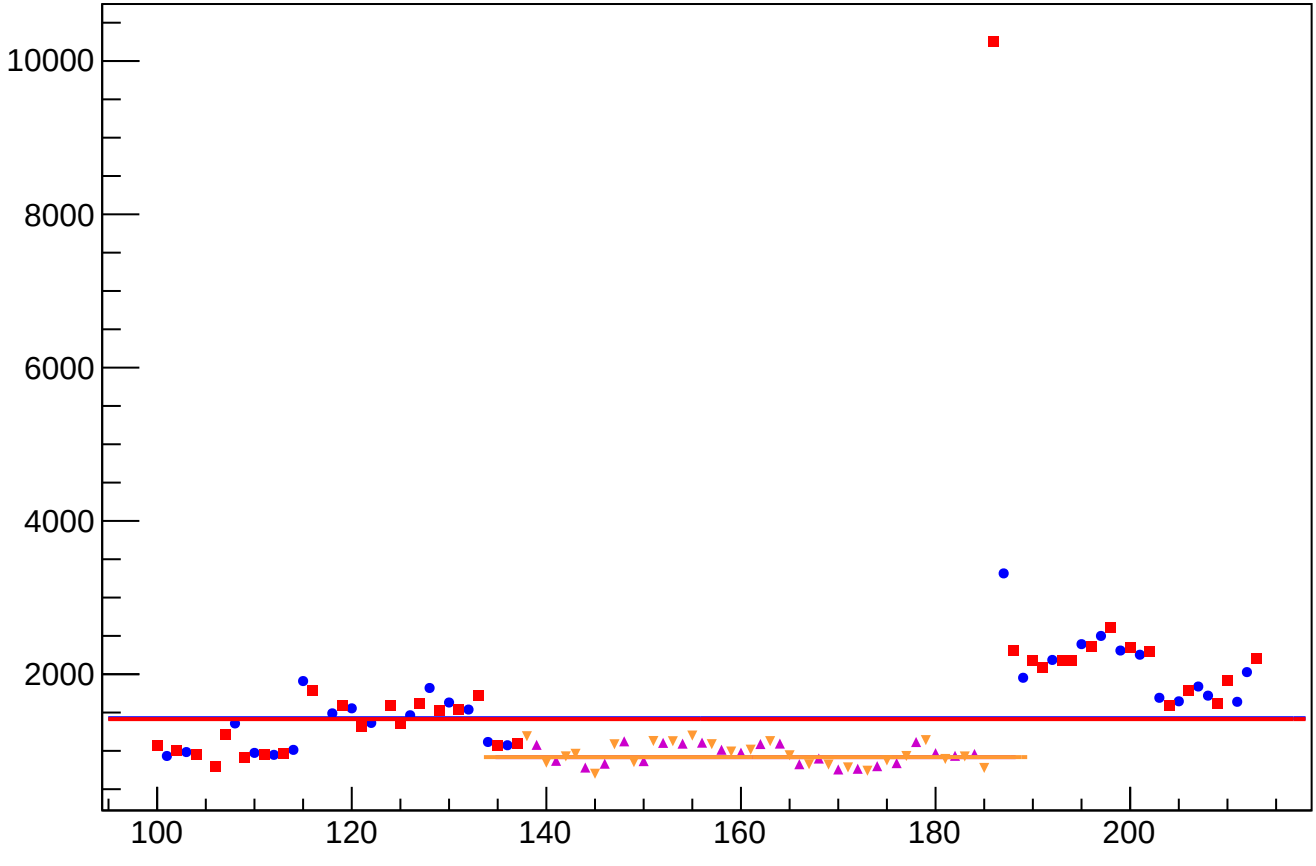
Right: 393.897+/-250.680 χ^2/NDF: 97.2/62

In: -121.790+/-186.008 χ^2/NDF:61.8/51

Out: -289.367+/-181.048 χ^2/NDF:129.9/58

All: -207.843+/-129.738 χ^2/NDF: 192.1/110

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1425.913+/-0.255 χ^2/NDF: 3287868.6/28

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

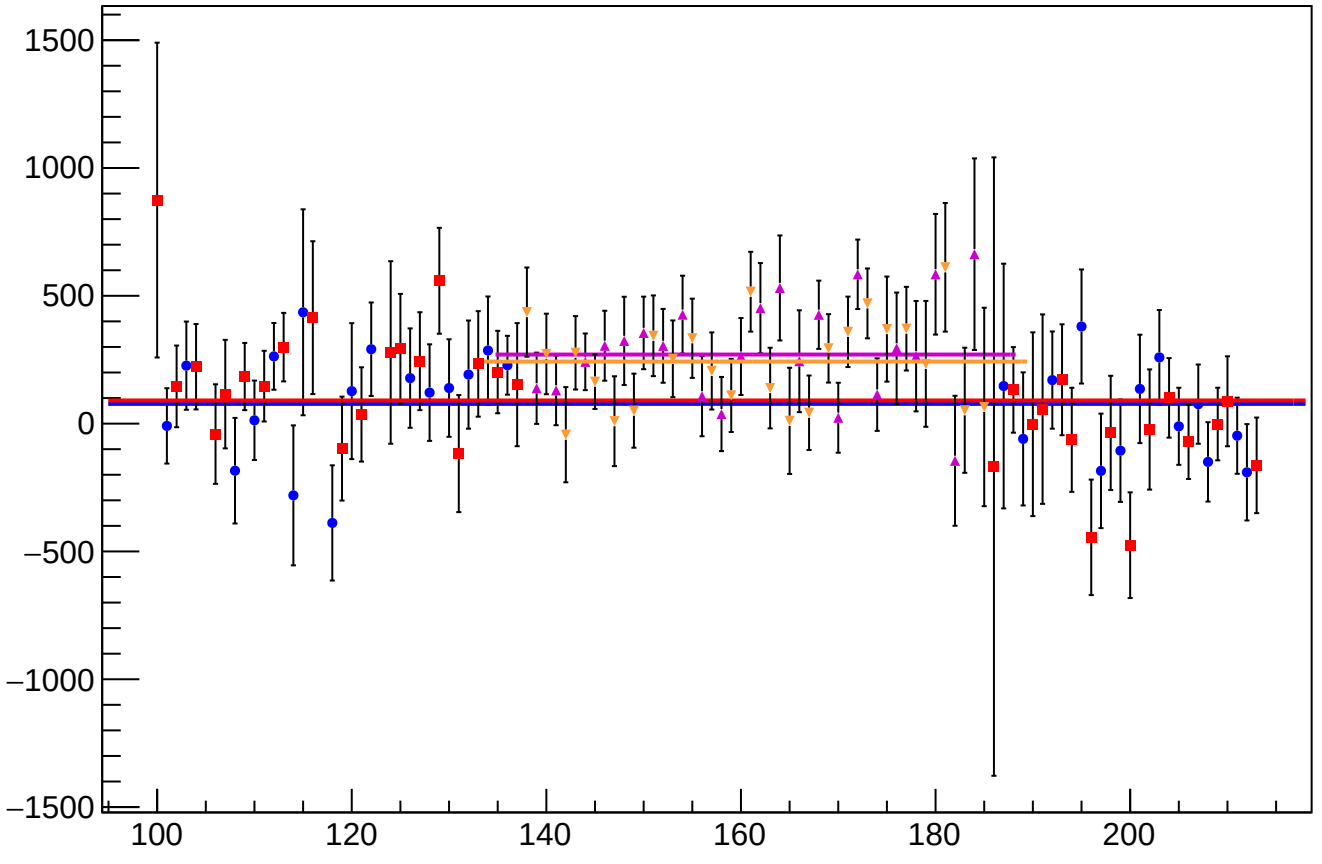
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1419.844+/-0.177 χ^2/NDF: 8124485.7/62

In: 1053.446+/-0.132 χ^2/NDF:6865734.3/51

Out: 1051.964+/-0.128 χ^2/NDF:8672807.0/58

All: 1052.685+/-0.092 χ^2/NDF: 15538606.5/1



Right In: 77.335+/-34.257 χ^2/NDF: 27.3/28

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

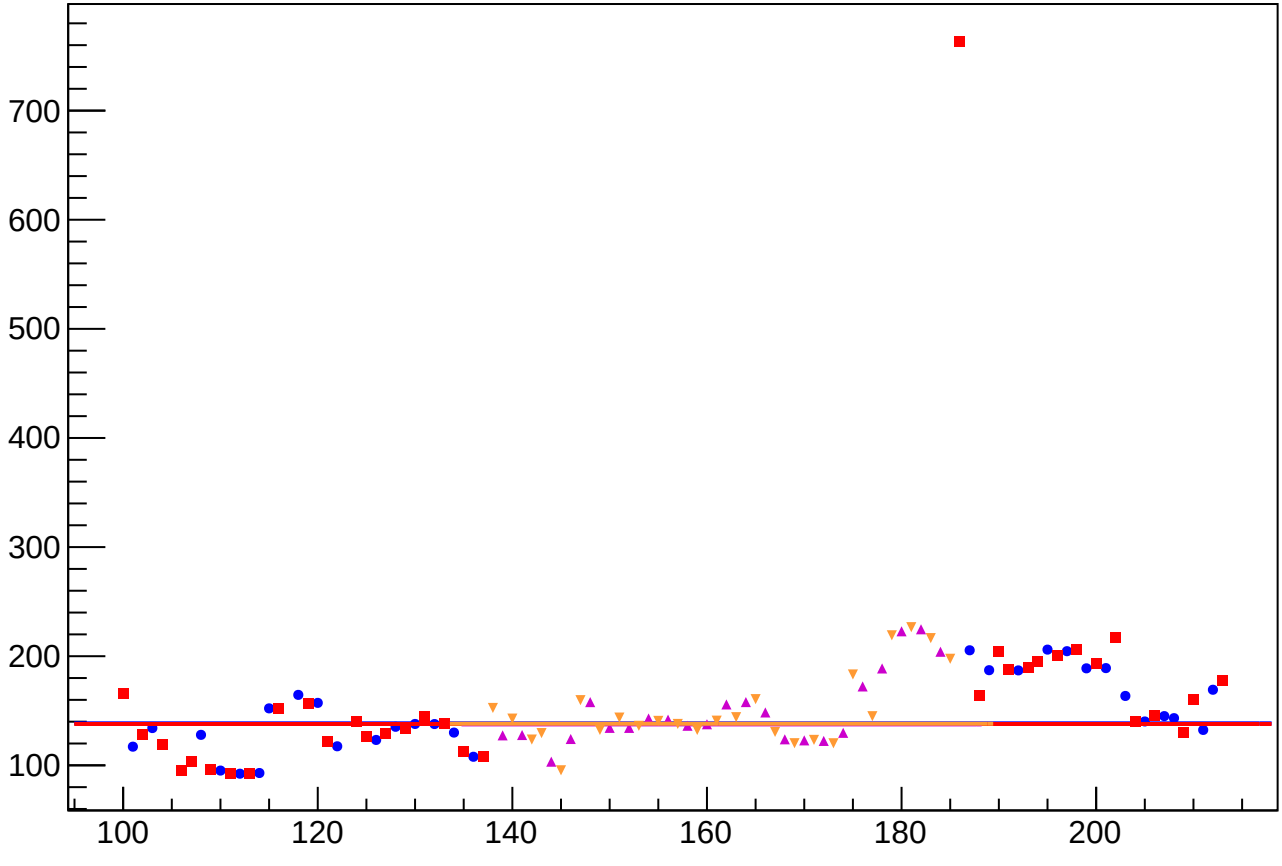
Right: 84.195+/-23.807 χ^2/NDF: 62.3/62

In: 177.706+/-23.726 χ^2/NDF:70.5/51

Out: 169.007+/-23.060 χ^2/NDF:69.4/58

All: 173.233+/-16.537 χ^2/NDF: 140.0/110

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 138.491+/-0.024 χ^2/NDF: 1669570.2/28

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

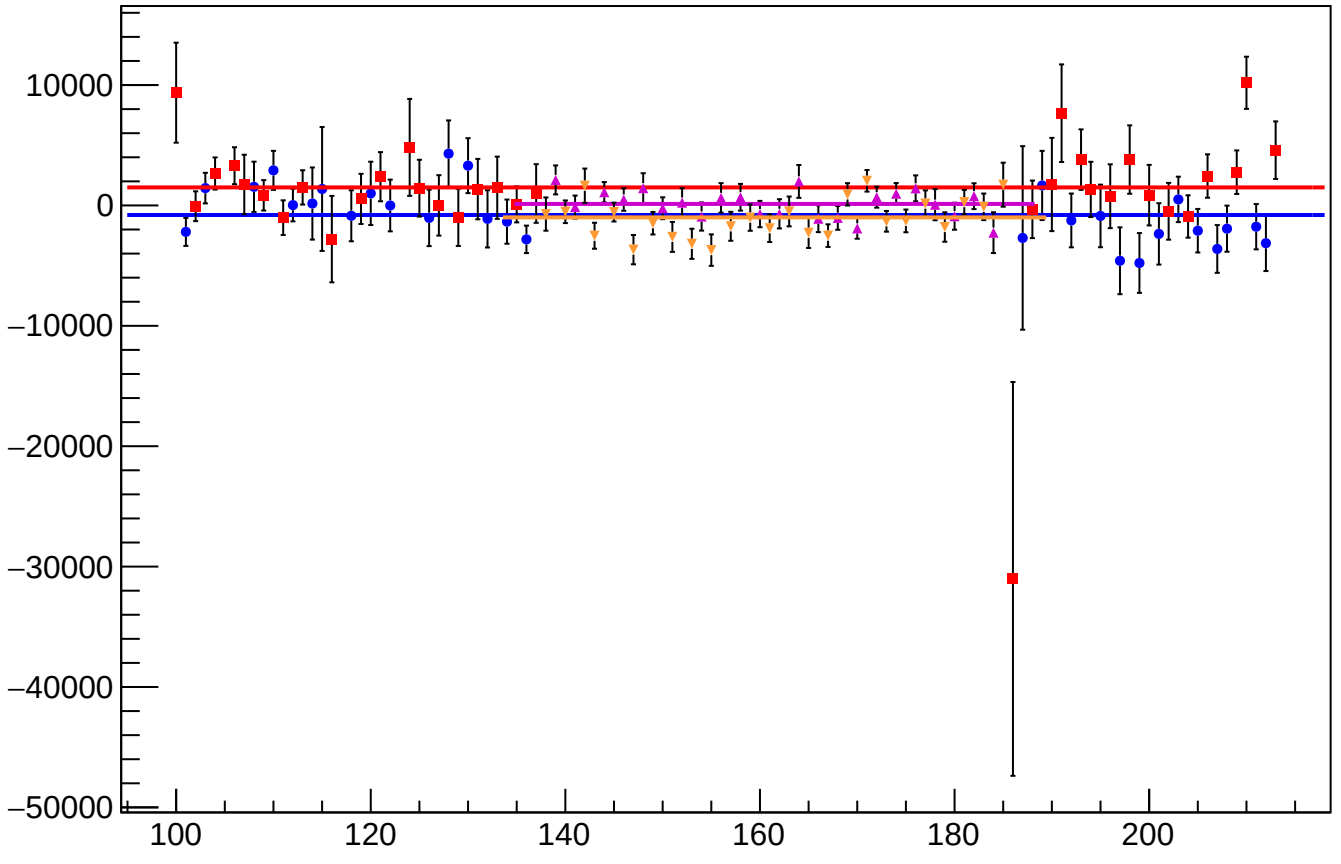
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 138.179+/-0.017 χ^2/NDF: 4431378.4/62

In: 137.971+/-0.017 χ^2/NDF:2779789.4/51

Out: 138.012+/-0.016 χ^2/NDF:4099850.9/58

All: 137.992+/-0.012 χ^2/NDF: 6879643.4/110



Right In: -794.063+/-364.851 χ^2/NDF: 32.5/28

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

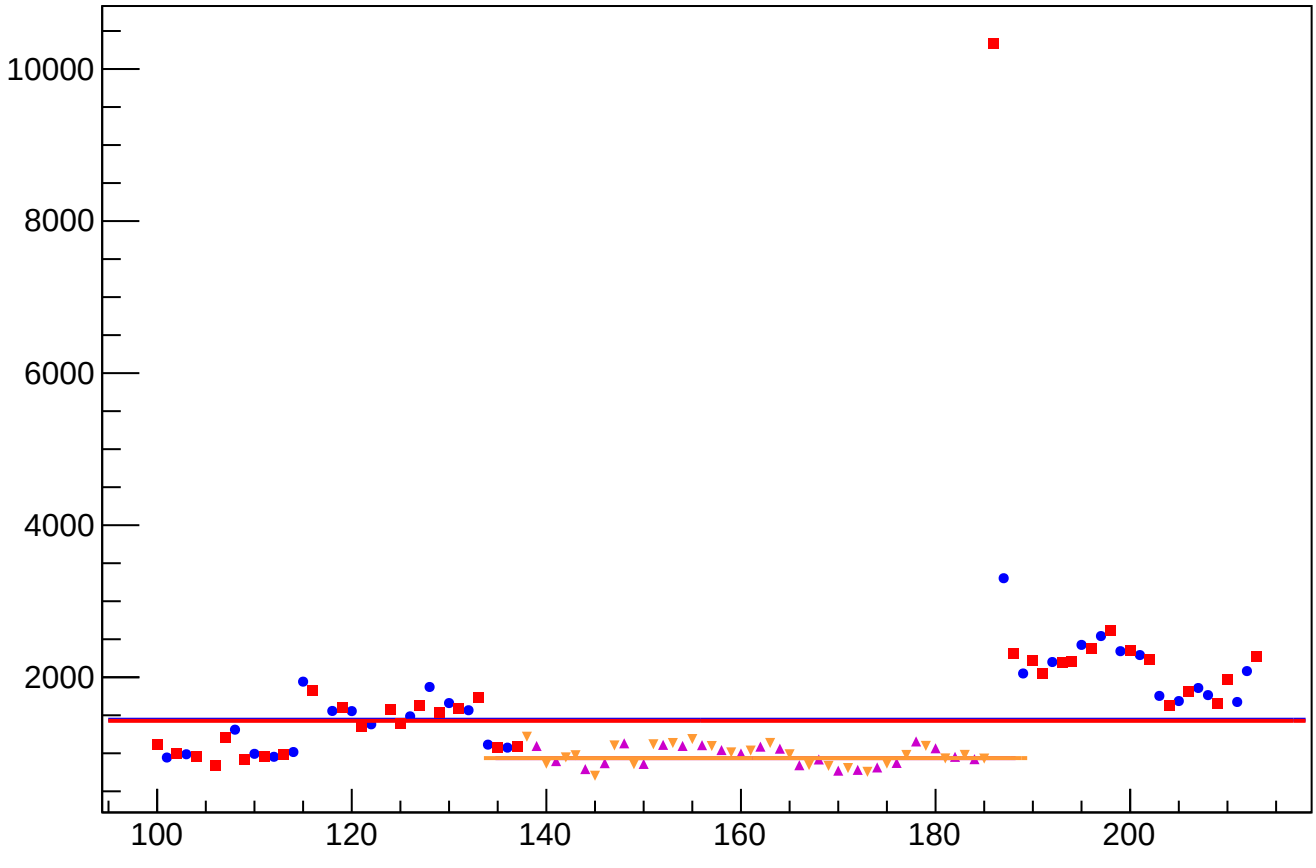
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 394.270+/-253.129 χ^2/NDF: 98.1/62

In: -122.398+/-189.256 χ^2/NDF:61.0/51

Out: -312.147+/-183.812 χ^2/NDF:128.6/58

All: -220.041+/-131.857 χ^2/NDF: 190.1/110



Right In: 1441.493+/-0.258 χ^2/NDF: 3405476.3/28

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

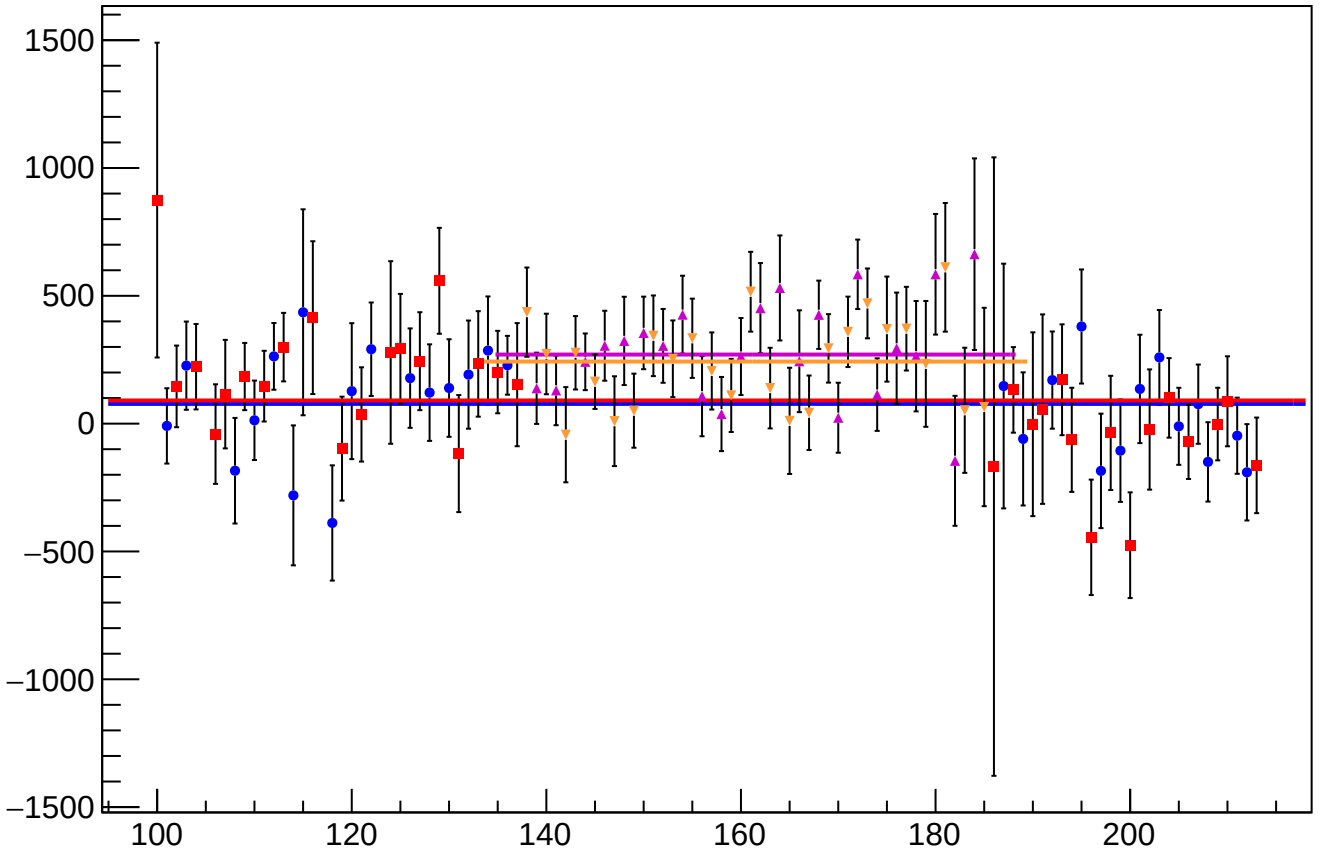
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1433.994+/-0.179 χ^2/NDF: 8249495.8/62

In: 1072.292+/-0.134 χ^2/NDF:6850107.0/51

Out: 1070.835+/-0.130 χ^2/NDF:8502177.8/58

All: 1071.542+/-0.093 χ^2/NDF: 15352345.7/1



Right In: 77.337+/-34.257 χ^2/NDF: 27.3/28

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

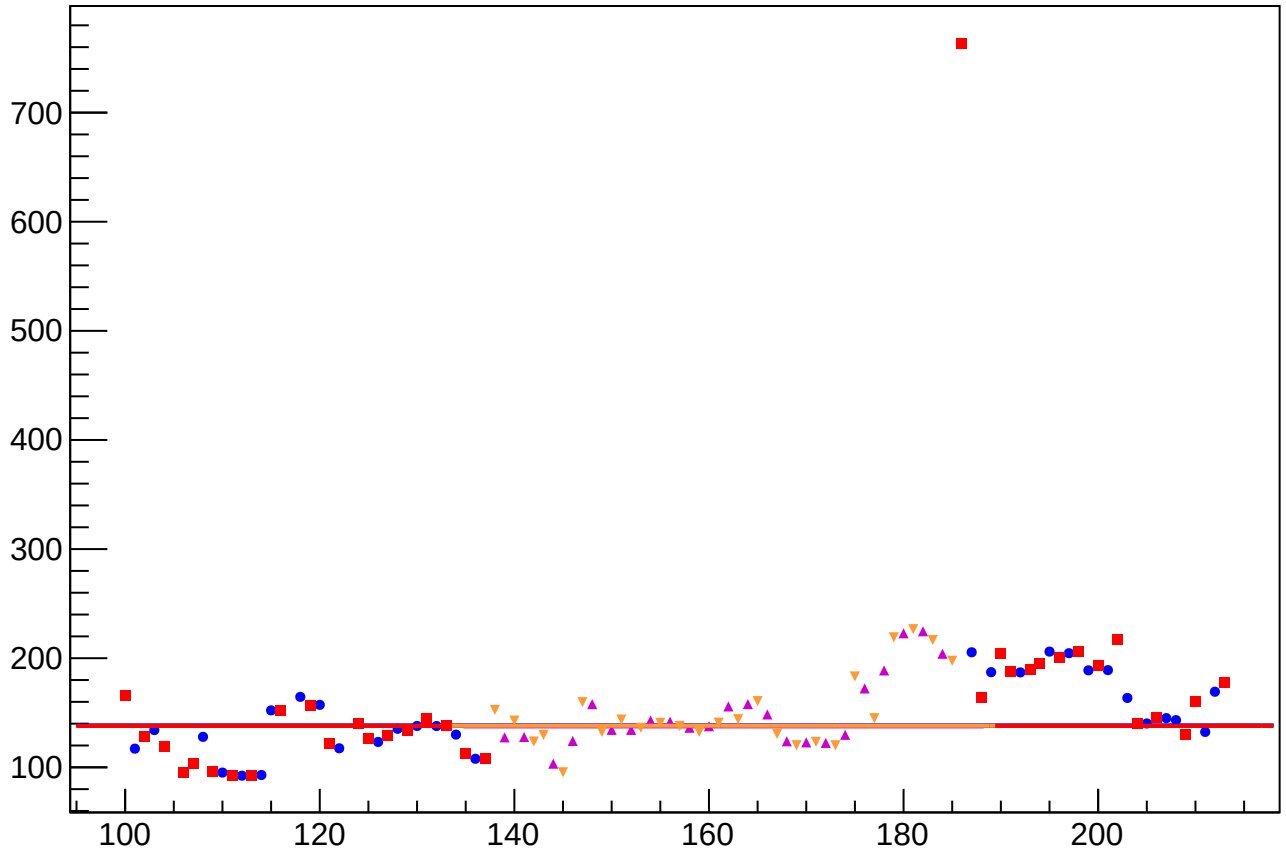
Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

Right: 84.196+/-23.807 χ^2/NDF: 62.3/62

In: 177.707+/-23.726 χ^2/NDF:70.5/51

Out: 169.008+/-23.060 χ^2/NDF:69.4/58

All: 173.234+/-16.537 χ^2/NDF: 140.0/110



Right In: 138.491+/-0.024 χ^2/NDF: 1669557.0/28

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

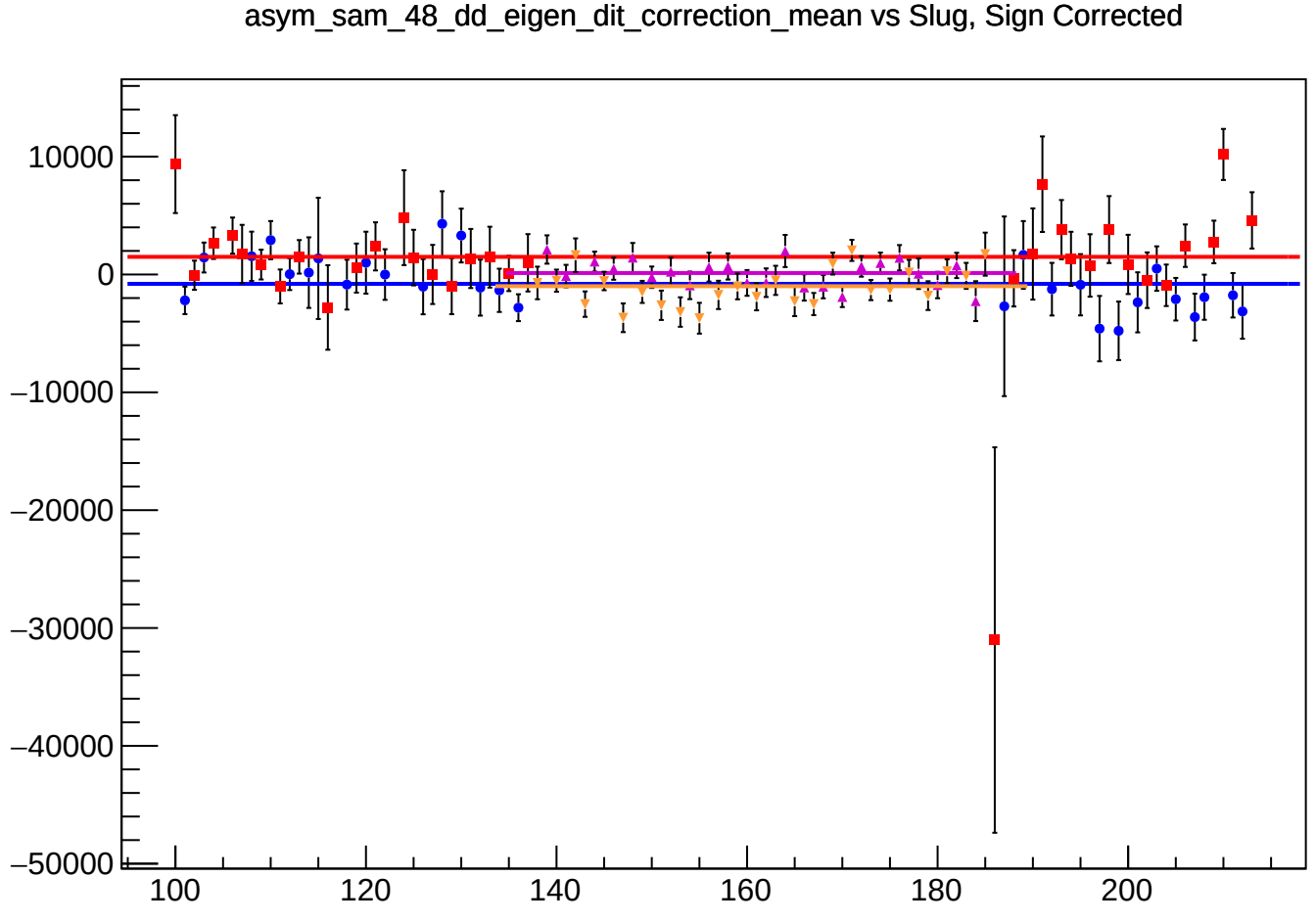
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 138.179+/-0.017 χ^2/NDF: 4431370.1/62

In: 137.971+/-0.017 χ^2/NDF:2779762.4/51

Out: 138.012+/-0.016 χ^2/NDF:4099859.0/58

All: 137.992+/-0.012 χ^2/NDF: 6879624.4/110



Right In: -794.062+/-364.851 χ^2/NDF: 32.5/28

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

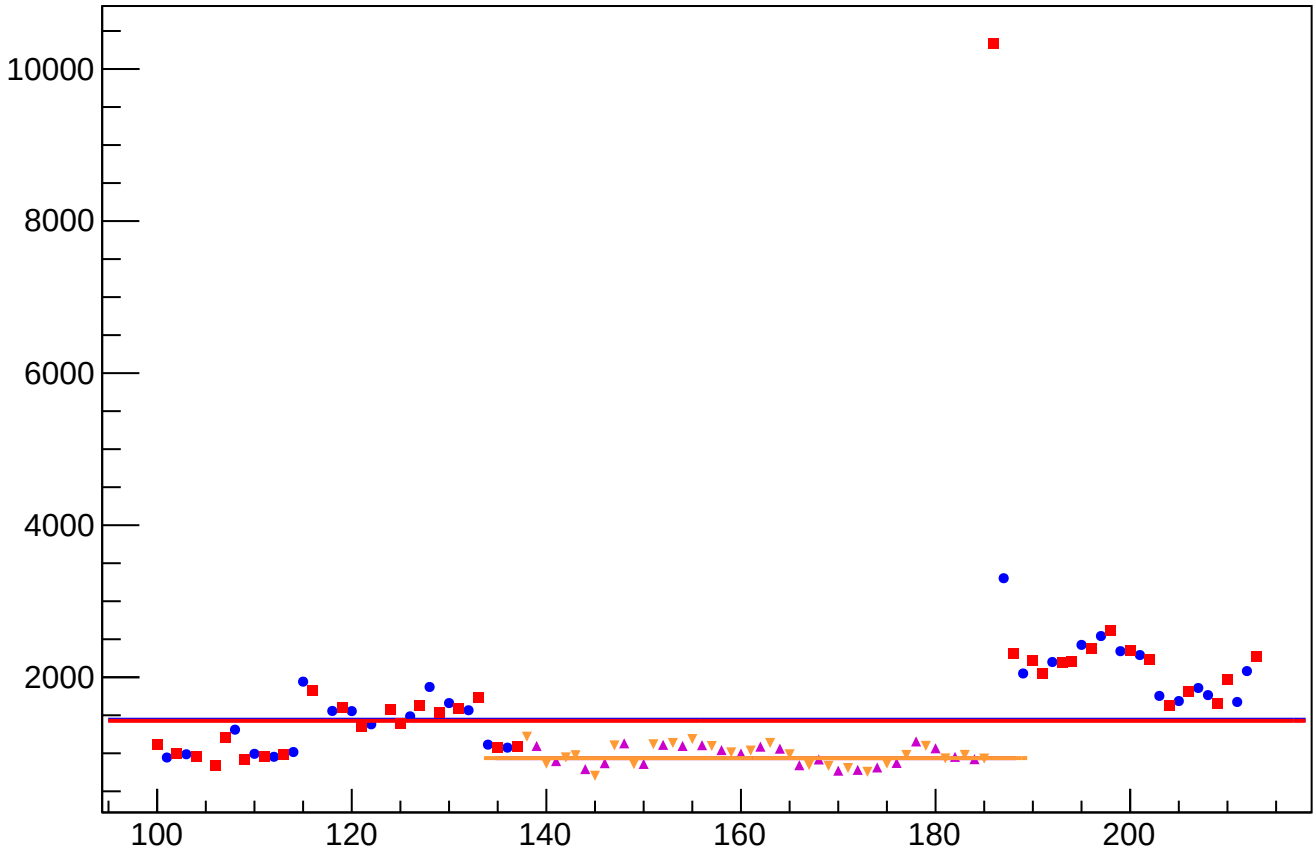
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 394.270+/-253.129 χ^2/NDF: 98.1/62

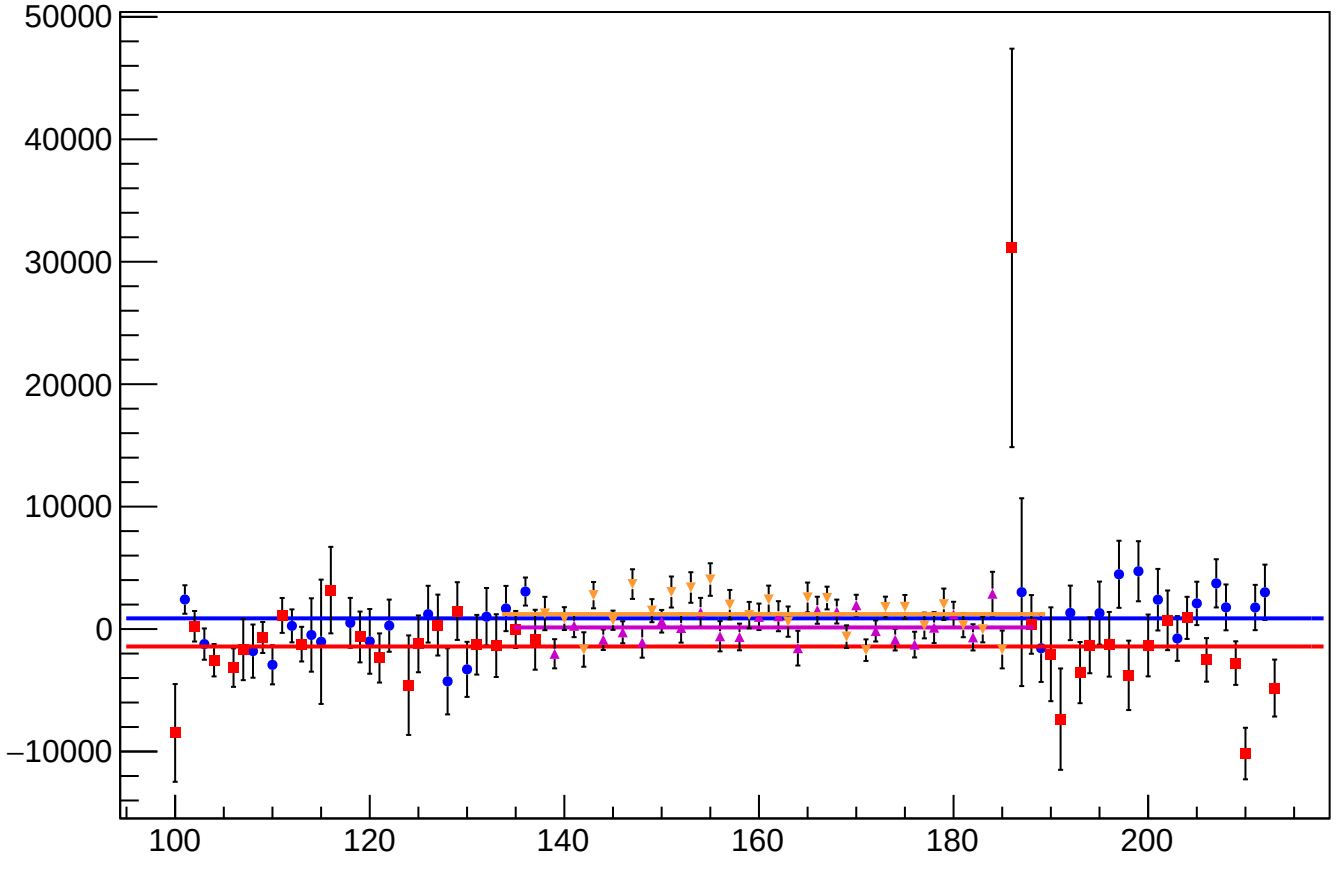
In: -122.398+/-189.256 χ^2/NDF:61.0/51

Out: -312.146+/-183.812 χ^2/NDF:128.6/58

All: -220.041+/-131.857 χ^2/NDF: 190.1/110


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: 1441.493+/-0.258 χ²/NDF: 3405471.3/28
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: 1433.993+/-0.179 χ²/NDF: 8249483.6/62
In: 1072.291+/-0.134 χ²/NDF:6850110.1/51
Out: 1070.834+/-0.130 χ²/NDF:8502183.9/58
All: 1071.541+/-0.093 χ²/NDF: 15352355.0/

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 874.405+/-362.049 χ^2/NDF: 34.0/28

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

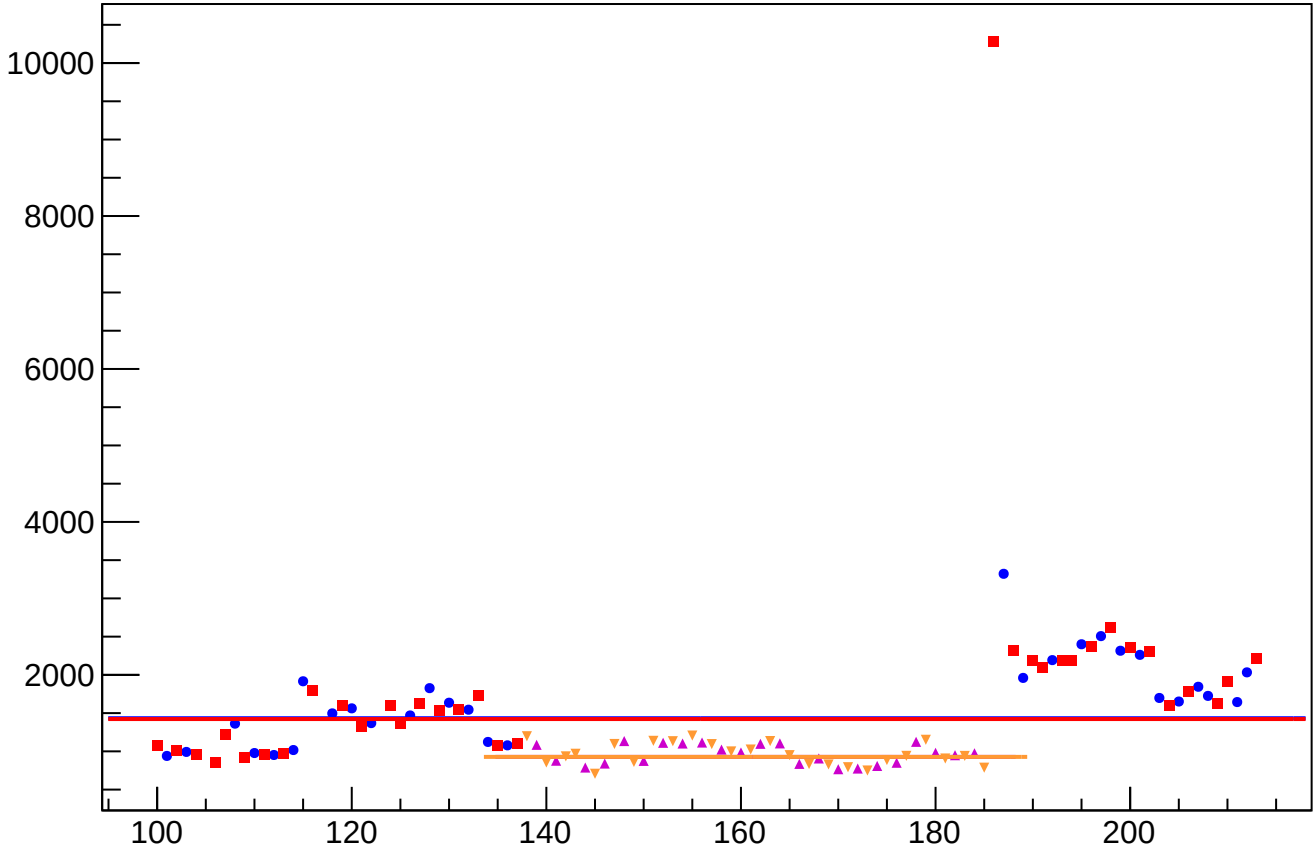
Right: -313.222+/-251.693 χ^2/NDF: 101.7/62

In: 331.854+/-187.560 χ^2/NDF:62.9/51

Out: 505.737+/-182.499 χ^2/NDF:137.1/58

All: 421.172+/-130.799 χ^2/NDF: 200.4/110

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1432.998+/-0.256 χ^2/NDF: 3261987.9/28

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

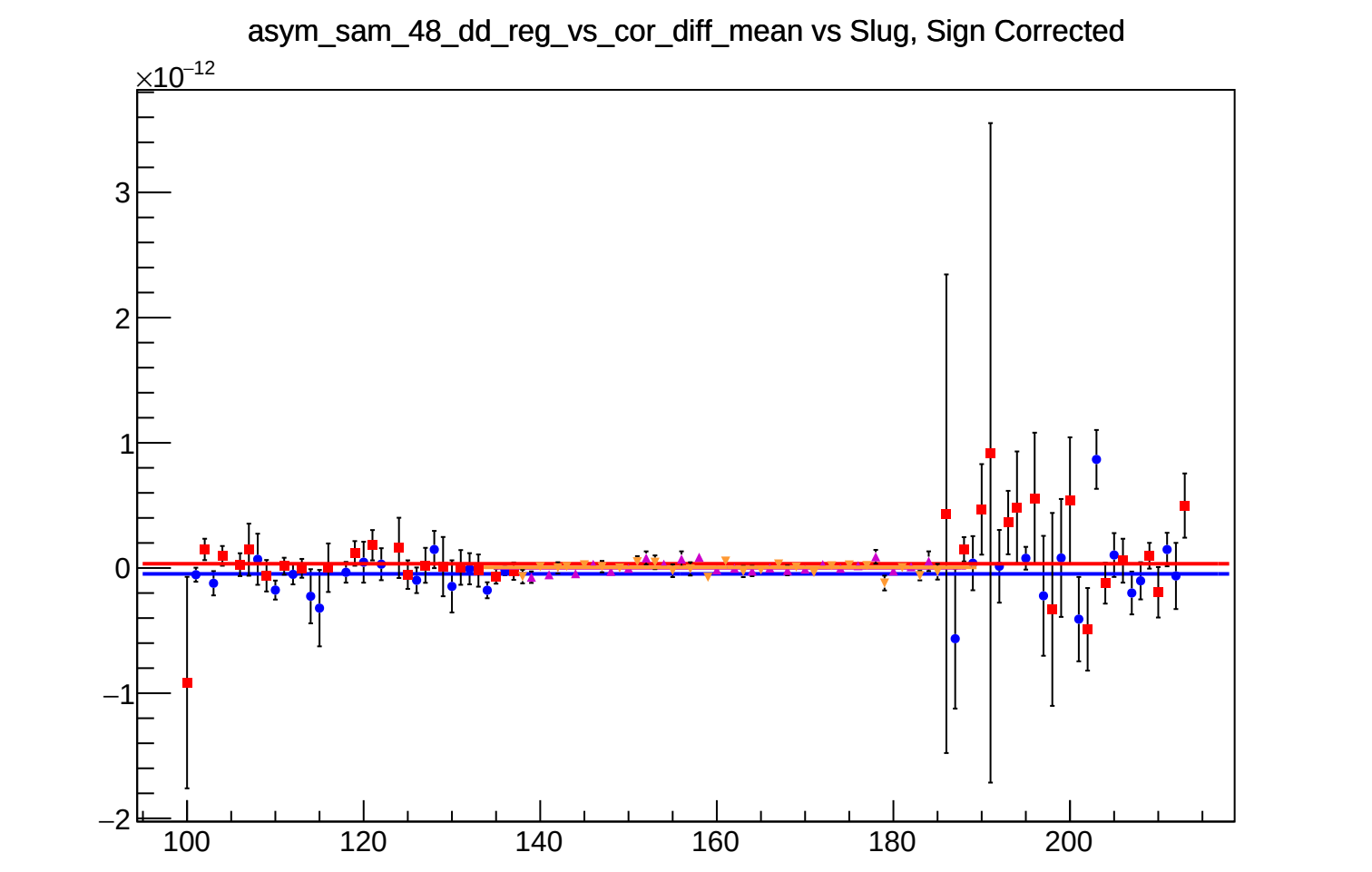
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1427.552+/-0.178 χ^2/NDF: 8033282.7/62

In: 1063.032+/-0.133 χ^2/NDF:6773027.2/51

Out: 1062.042+/-0.129 χ^2/NDF:8555029.2/58

All: 1062.524+/-0.092 χ^2/NDF: 15328085.0/1



Right In: -0.000+/-0.000 χ^2/NDF: 36.4/28

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

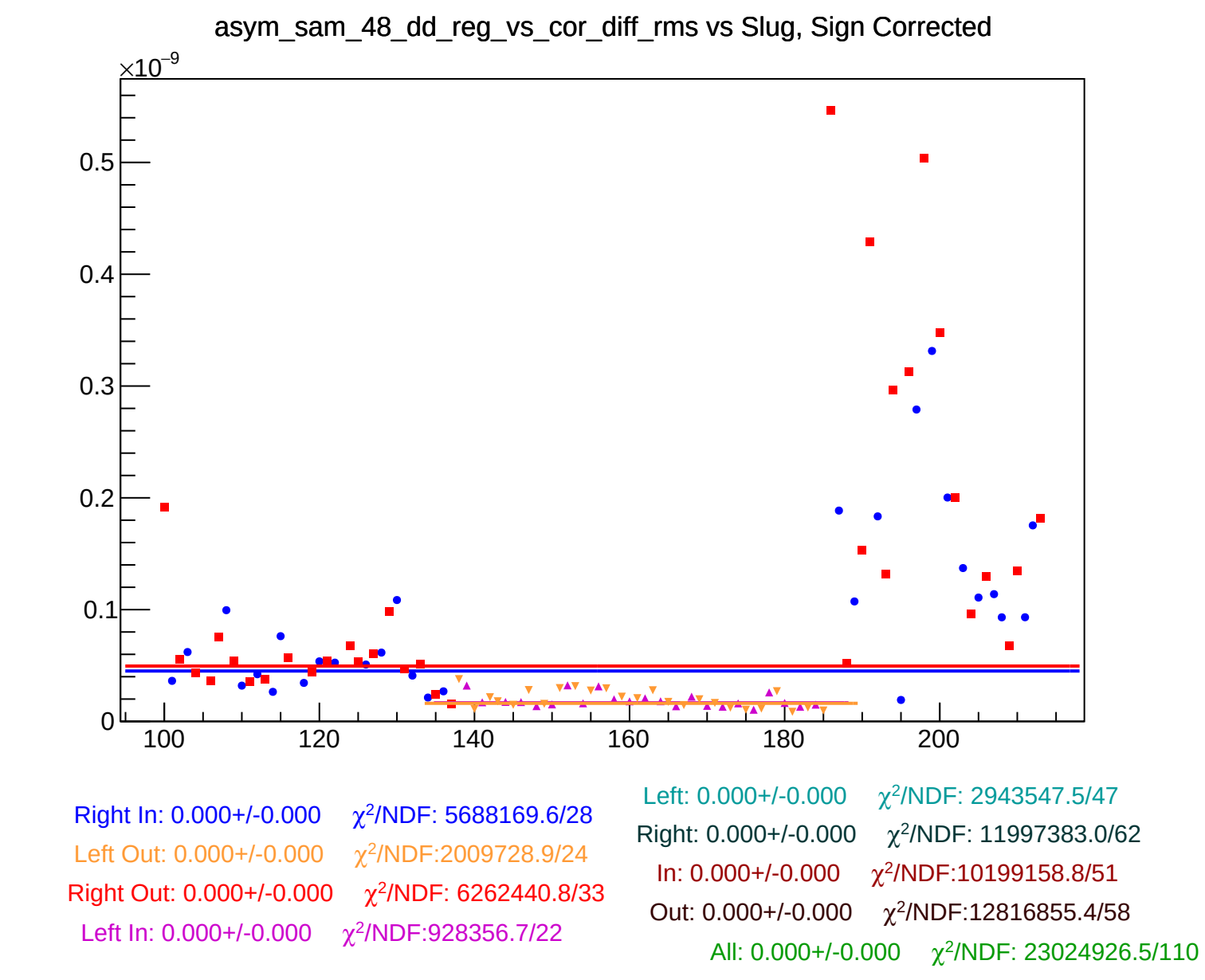
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

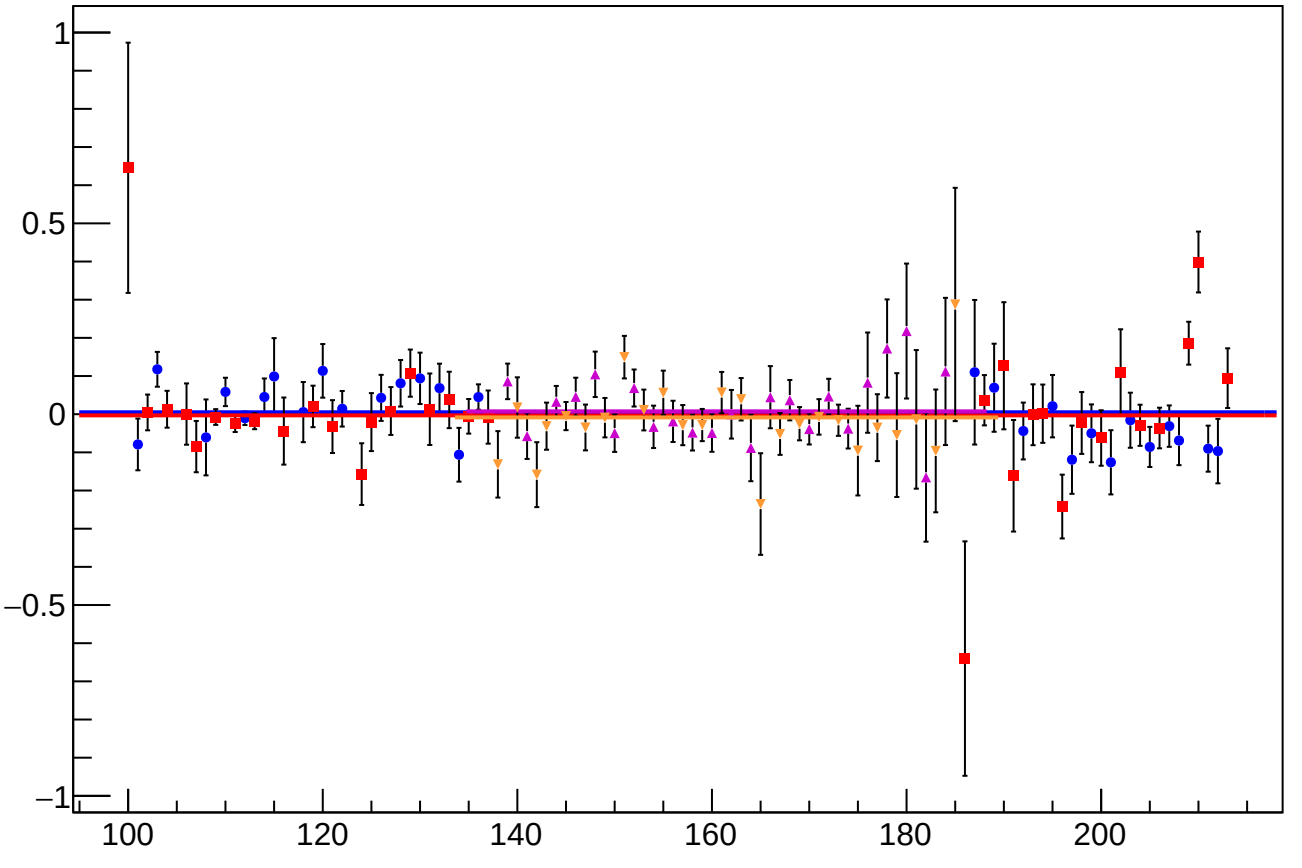
Right: -0.000+/-0.000 χ^2/NDF: 72.1/62

In: -0.000+/-0.000 χ^2/NDF:69.2/51

Out: 0.000+/-0.000 χ^2/NDF:55.2/58

All: 0.000+/-0.000 χ^2/NDF: 126.0/110


asym_sam_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: 5688169.6/28
Left Out: 0.000+/-0.000 χ²/NDF:2009728.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6262440.8/33
Left In: 0.000+/-0.000 χ²/NDF:928356.7/22
Left: 0.000+/-0.000 χ²/NDF: 2943547.5/47
Right: 0.000+/-0.000 χ²/NDF: 11997383.0/62
In: 0.000+/-0.000 χ²/NDF:10199158.8/51
Out: 0.000+/-0.000 χ²/NDF:12816855.4/58
All: 0.000+/-0.000 χ²/NDF: 23024926.5/110



Right In: 0.005+/-0.010 χ^2/NDF: 38.2/28

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

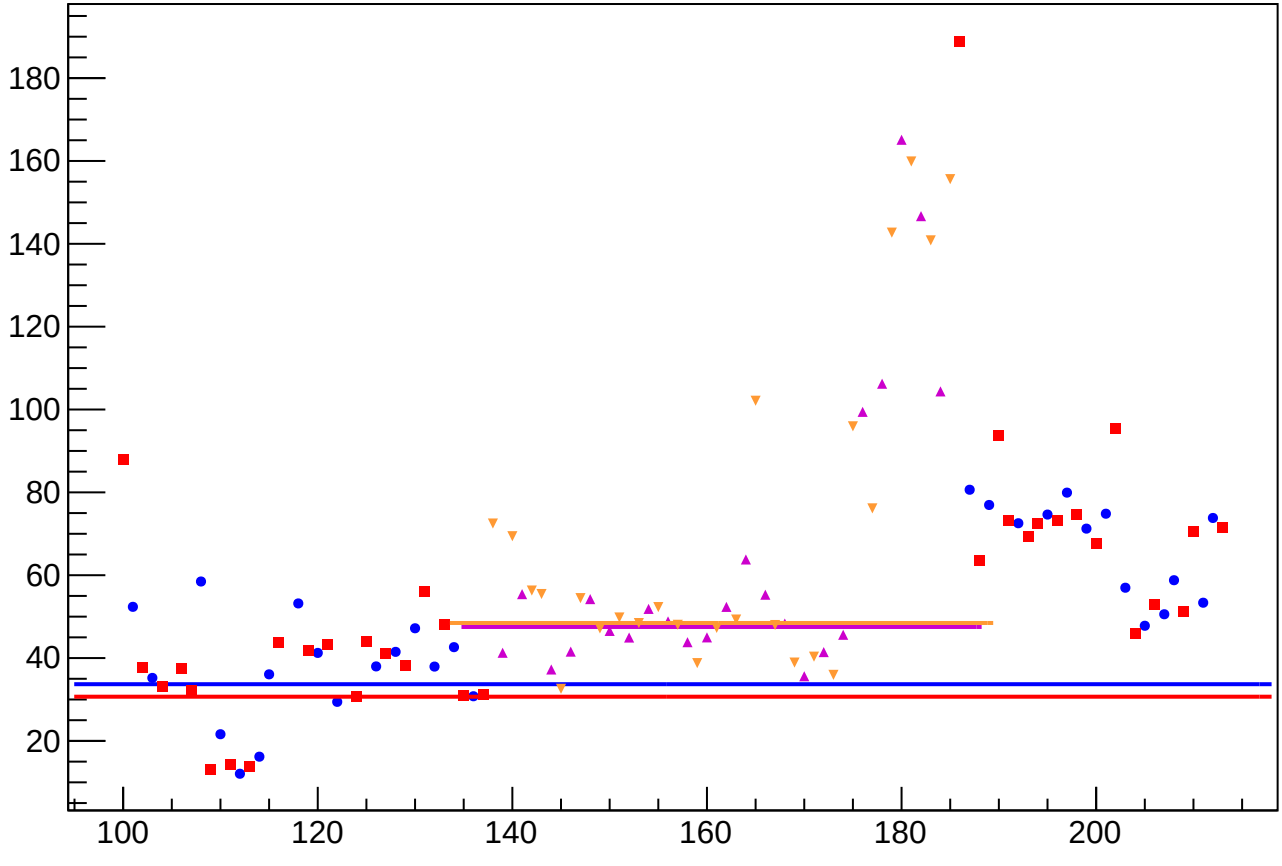
Right: 0.001+/-0.007 χ^2/NDF: 108.7/62

In: 0.006+/-0.008 χ^2/NDF:61.5/51

Out: -0.005+/-0.007 χ^2/NDF:93.4/58

All: 0.000+/-0.005 χ^2/NDF: 156.0/110

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.691+/-0.007 χ^2/NDF: 8533978.6/28

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

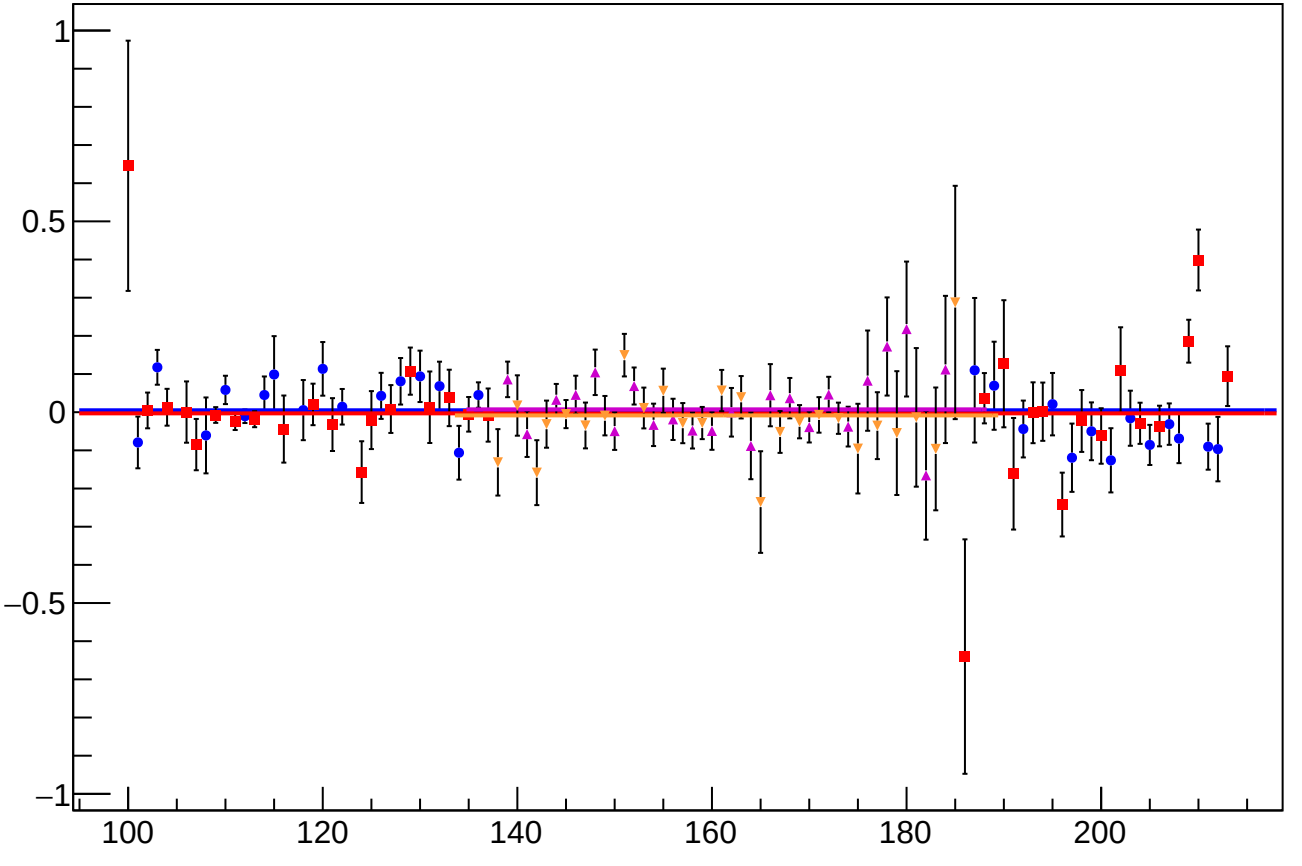
Right: 32.030+/-0.005 χ^2/NDF: 19818371.3/62

In: 39.146+/-0.005 χ^2/NDF:13204259.3/51

Out: 36.878+/-0.005 χ^2/NDF:18414455.1/58

All: 37.939+/-0.004 χ^2/NDF: 31714515.5/110

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.010 χ^2/NDF: 38.2/28

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

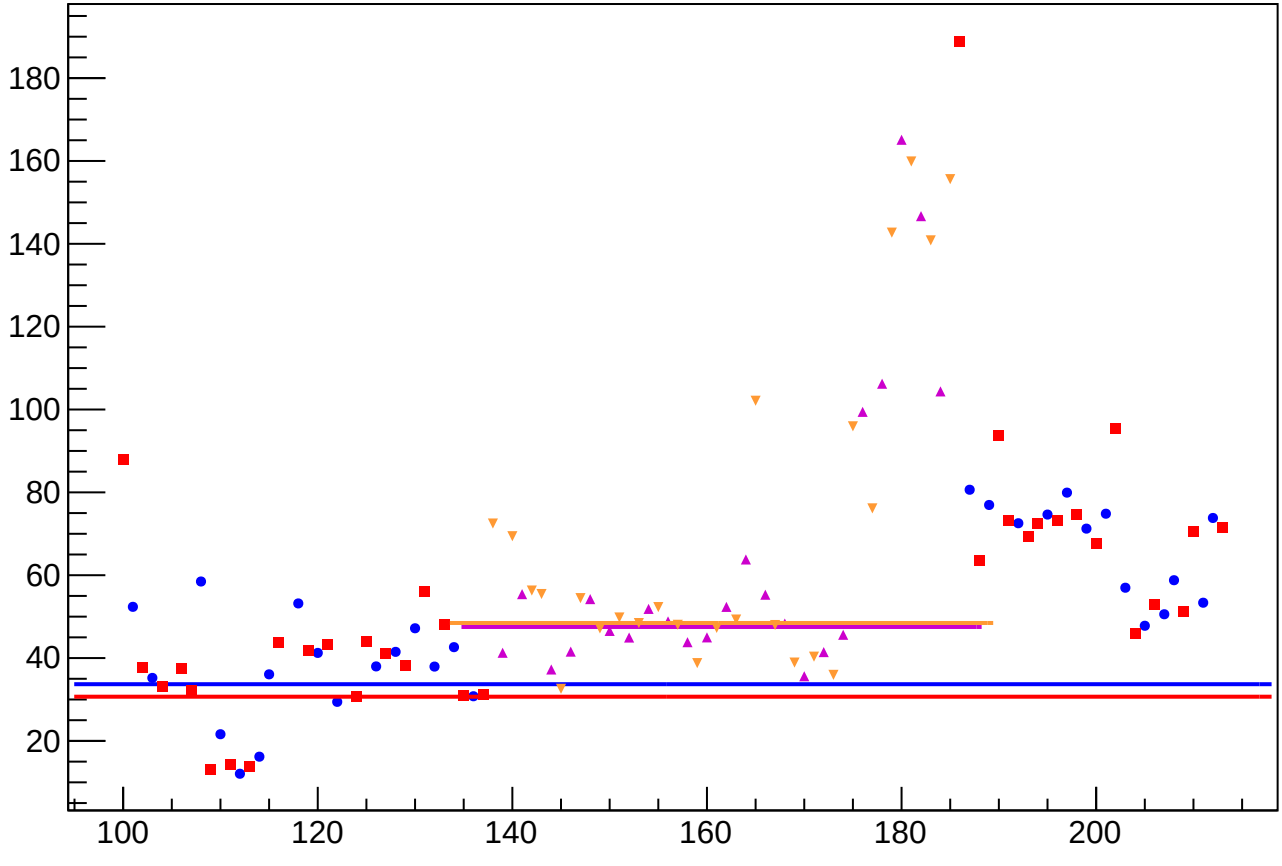
Right: 0.001+/-0.007 χ^2/NDF: 108.7/62

In: 0.006+/-0.008 χ^2/NDF:61.5/51

Out: -0.005+/-0.007 χ^2/NDF:93.4/58

All: 0.000+/-0.005 χ^2/NDF: 156.0/110

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.691+/-0.007 χ^2/NDF: 8533978.6/28

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

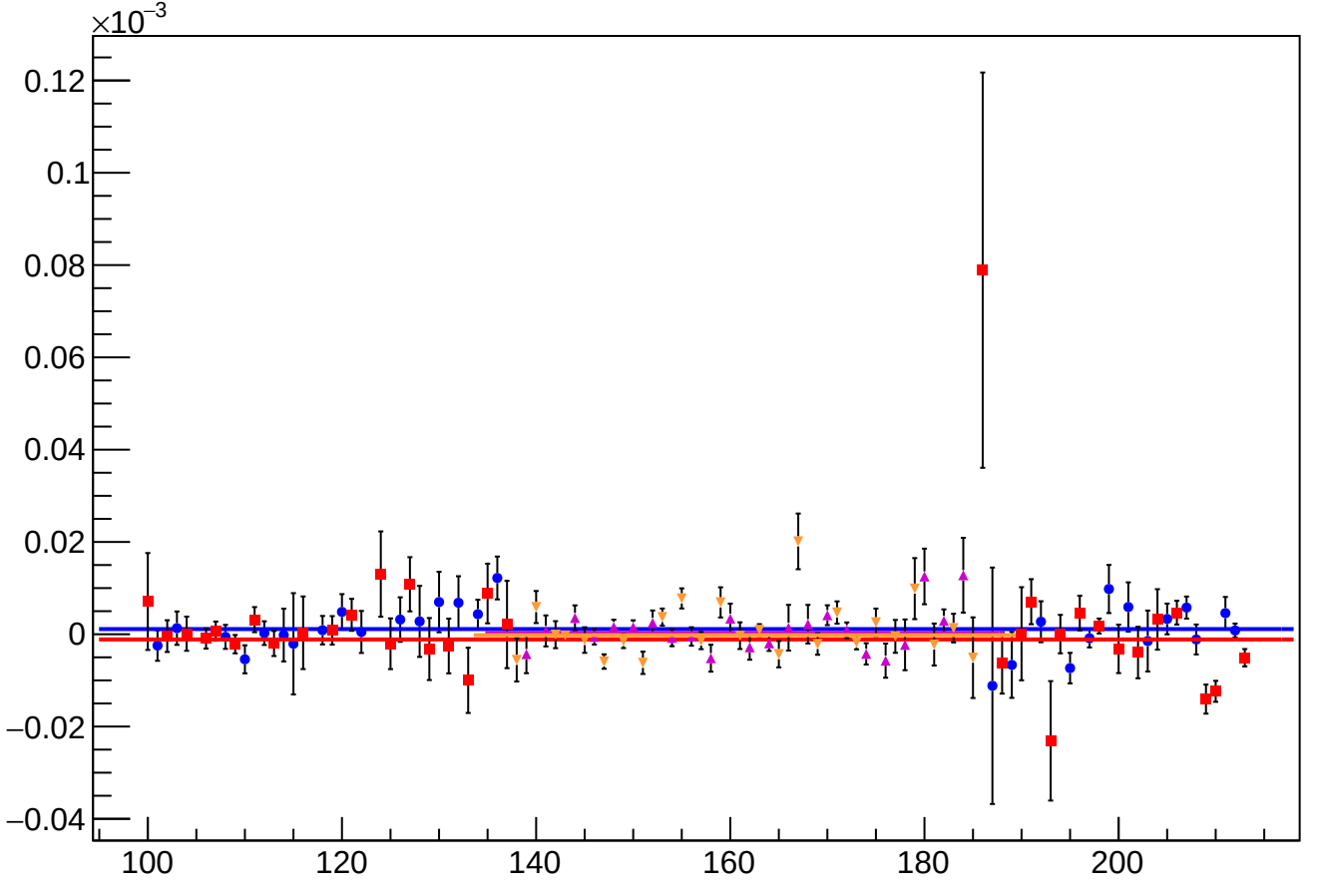
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 32.030+/-0.005 χ^2/NDF: 19818371.3/62

In: 39.146+/-0.005 χ^2/NDF:13204259.3/51

Out: 36.878+/-0.005 χ^2/NDF:18414455.1/58

All: 37.939+/-0.004 χ^2/NDF: 31714515.5/110



Right In: 0.000+/-0.000 χ^2/NDF: 34.7/28

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

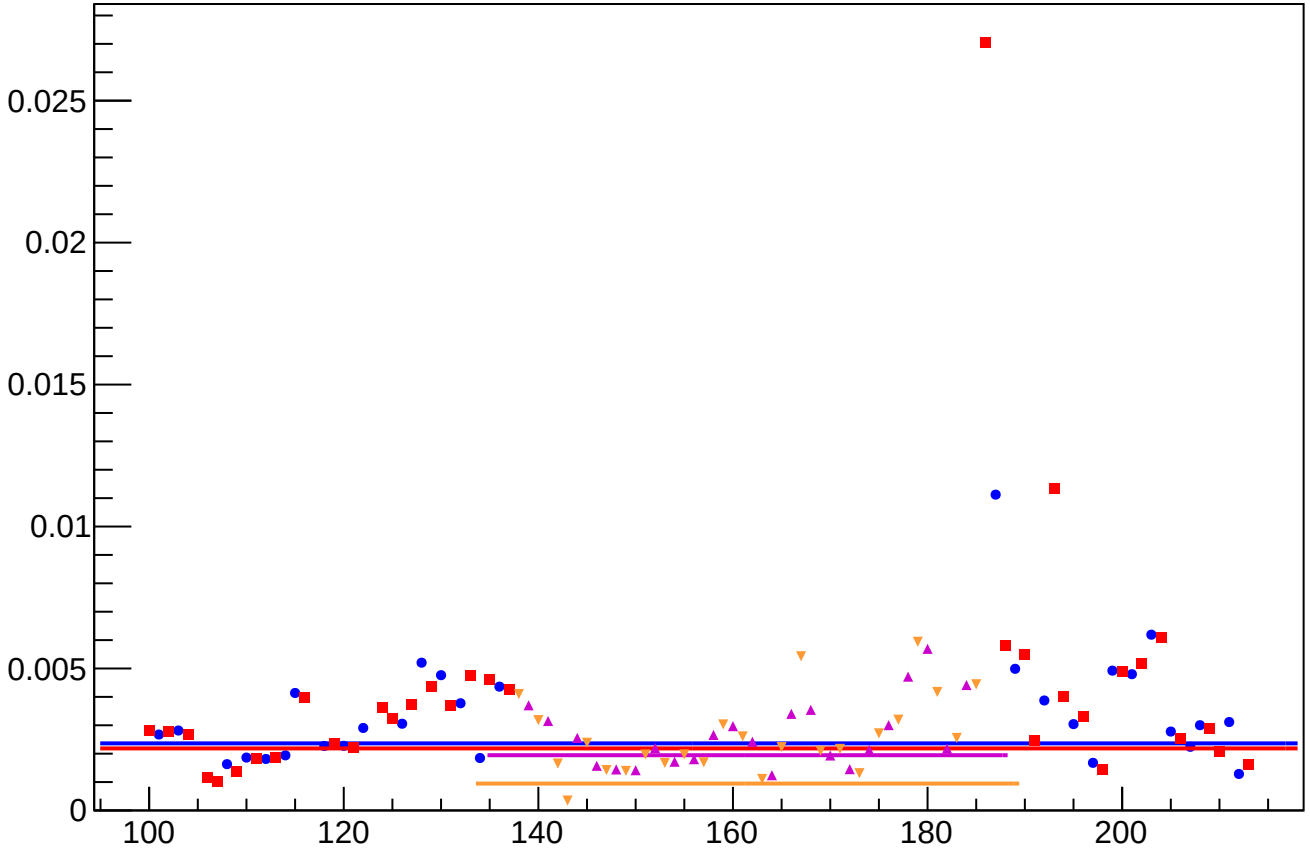
Right: -0.000+/-0.000 χ^2/NDF: 126.6/62

In: 0.000+/-0.000 χ^2/NDF:66.8/51

Out: -0.000+/-0.000 χ^2/NDF:158.7/58

All: -0.000+/-0.000 χ^2/NDF: 229.8/110

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5448671.7/28

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

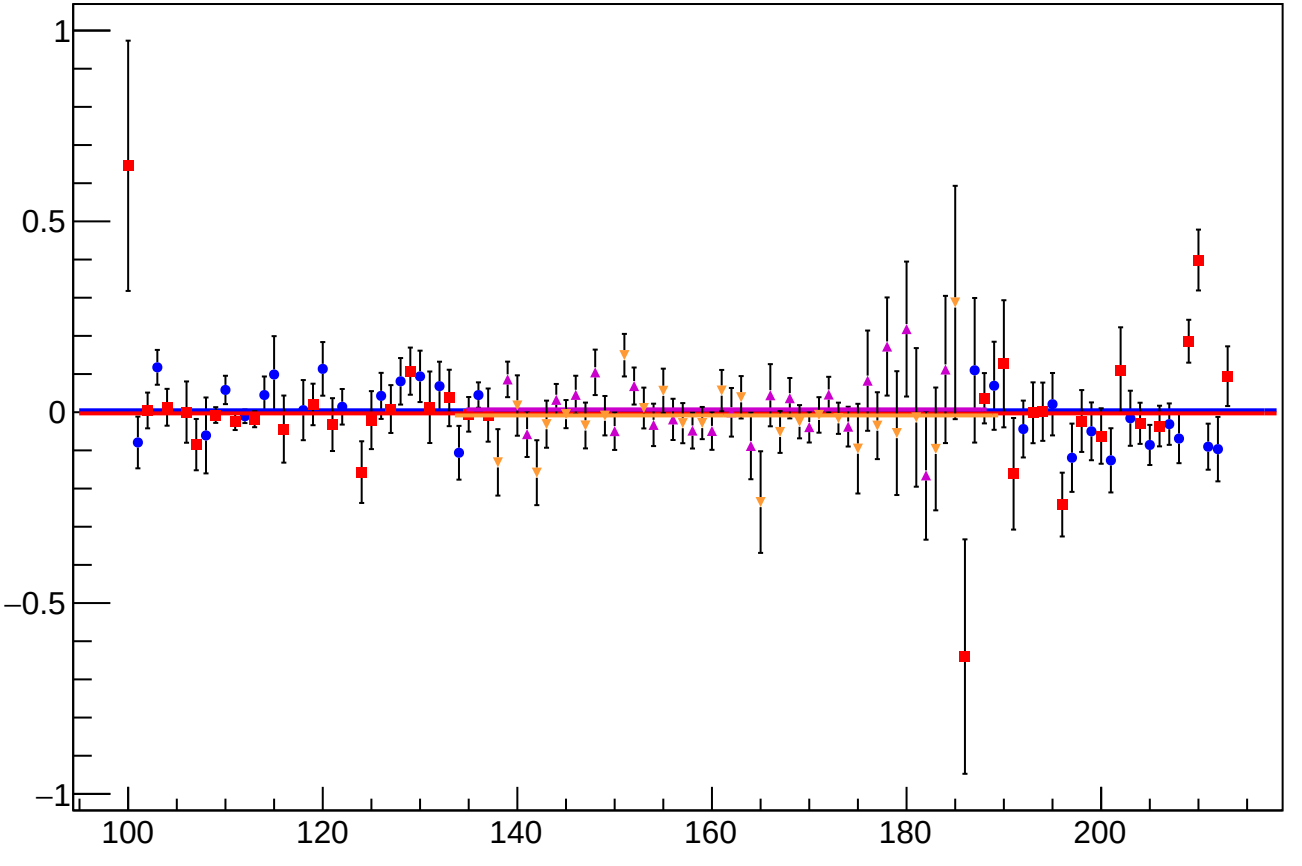
Right: 0.002+/-0.000 χ^2/NDF: 14073826.0/62

In: 0.002+/-0.000 χ^2/NDF:10348008.9/51

Out: 0.001+/-0.000 χ^2/NDF:33236408.8/58

All: 0.001+/-0.000 χ^2/NDF: 50776811.4/110

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.010 χ^2/NDF: 38.2/28

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

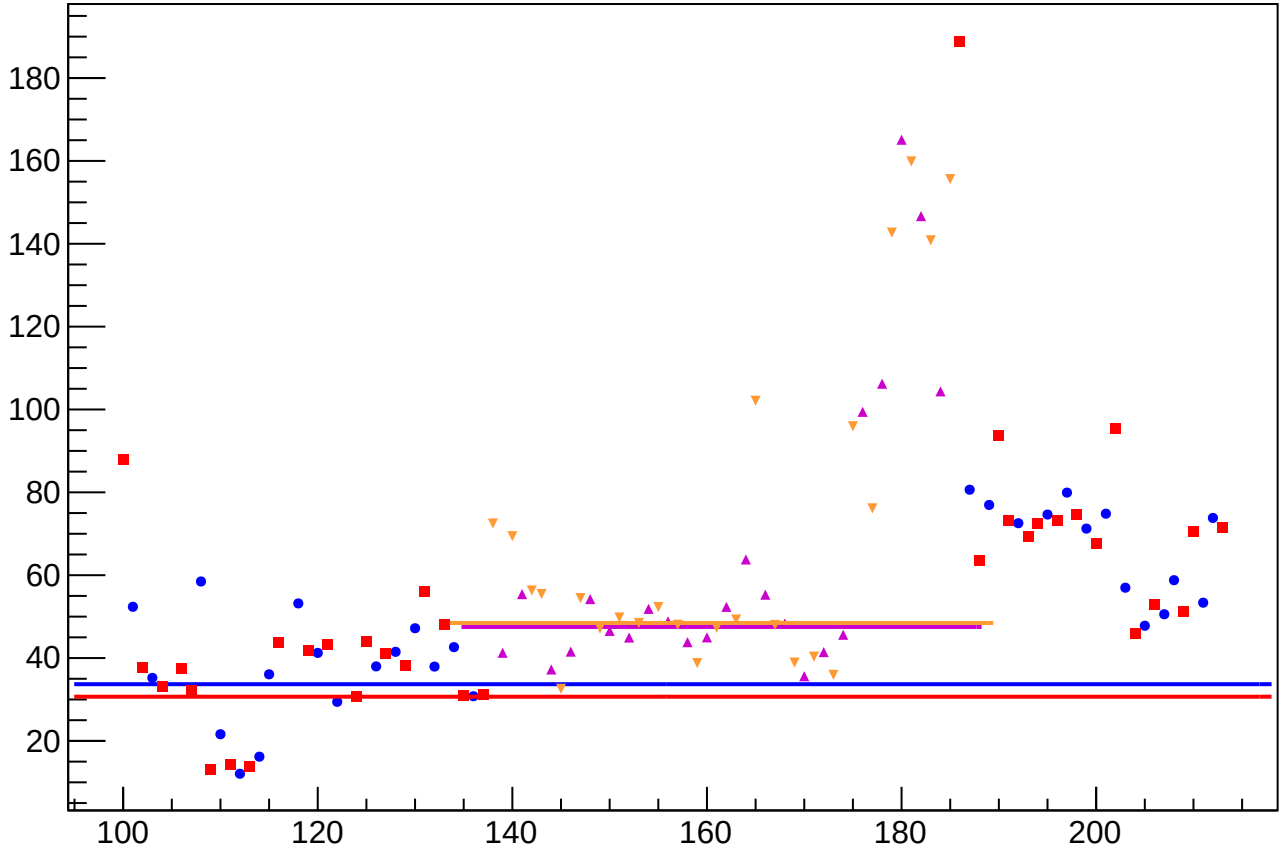
Right: 0.001+/-0.007 χ^2/NDF: 108.7/62

In: 0.006+/-0.008 χ^2/NDF:61.5/51

Out: -0.005+/-0.007 χ^2/NDF:93.4/58

All: 0.000+/-0.005 χ^2/NDF: 156.0/110

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.690+/-0.007 χ^2/NDF: 8534812.0/28

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

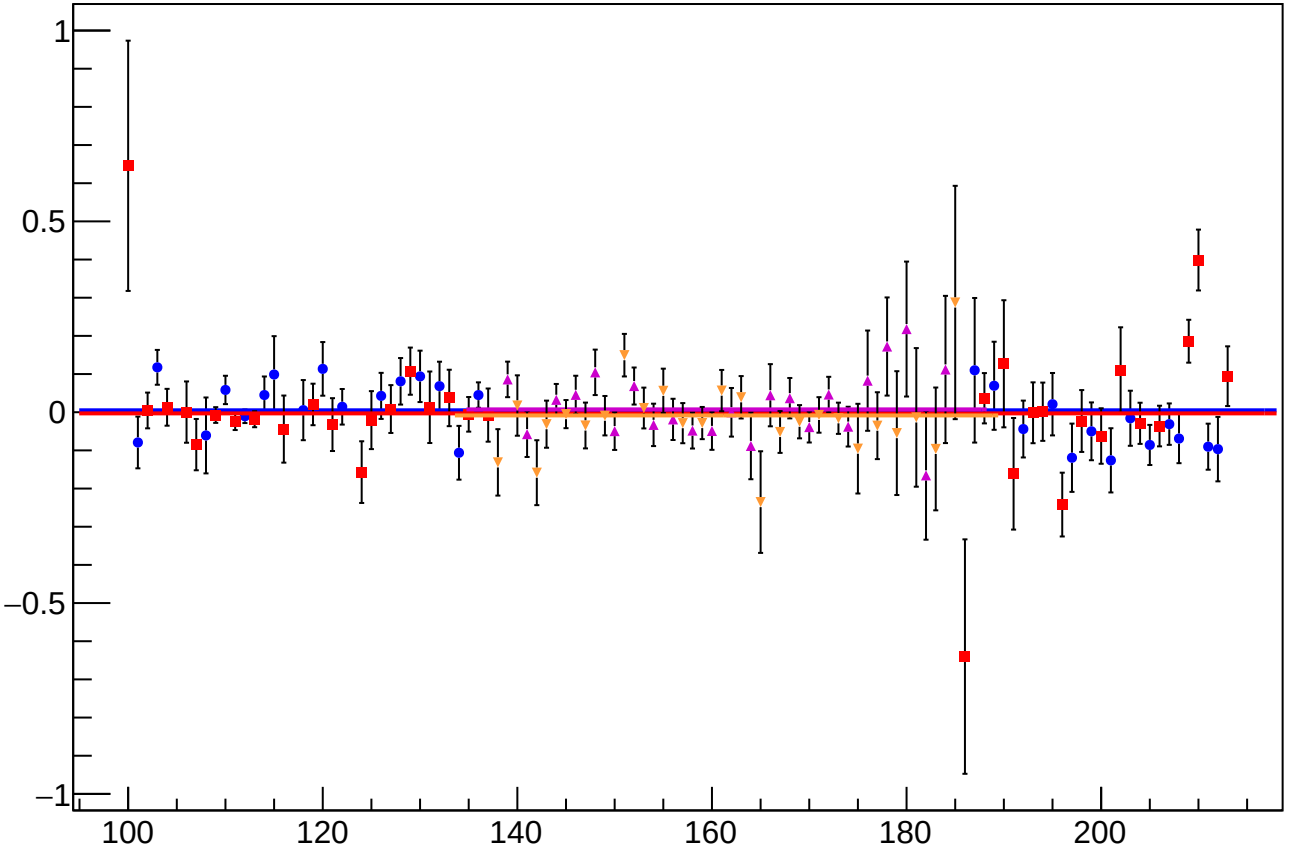
Right: 32.029+/-0.005 χ^2/NDF: 19819438.6/62

In: 39.145+/-0.005 χ^2/NDF:13205450.5/51

Out: 36.878+/-0.005 χ^2/NDF:18414911.4/58

All: 37.939+/-0.004 χ^2/NDF: 31716104.6/110

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.010 χ^2/NDF: 38.2/28

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

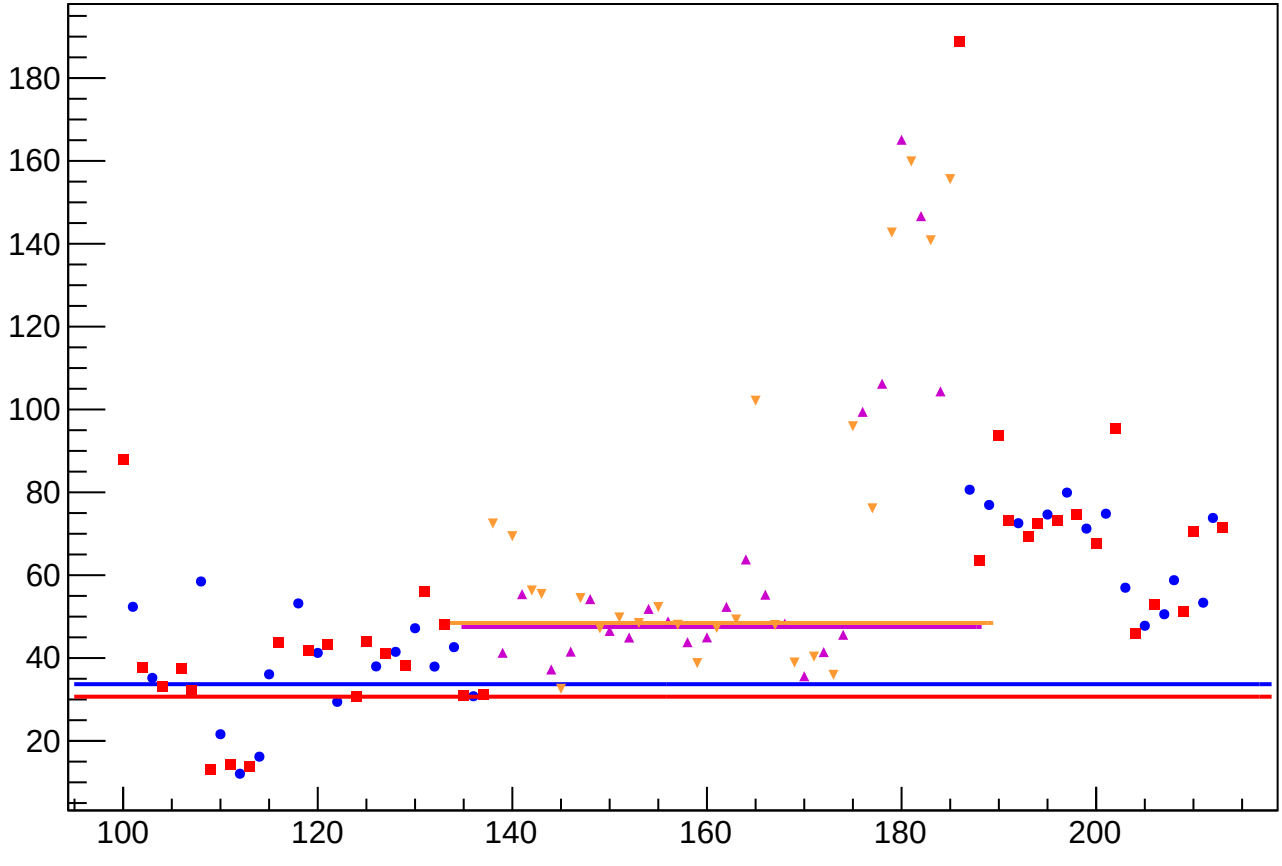
Right: 0.001+/-0.007 χ^2/NDF: 108.7/62

In: 0.006+/-0.008 χ^2/NDF:61.5/51

Out: -0.005+/-0.007 χ^2/NDF:93.4/58

All: 0.000+/-0.005 χ^2/NDF: 156.0/110

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.690+/-0.007 χ^2/NDF: 8534812.0/28

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

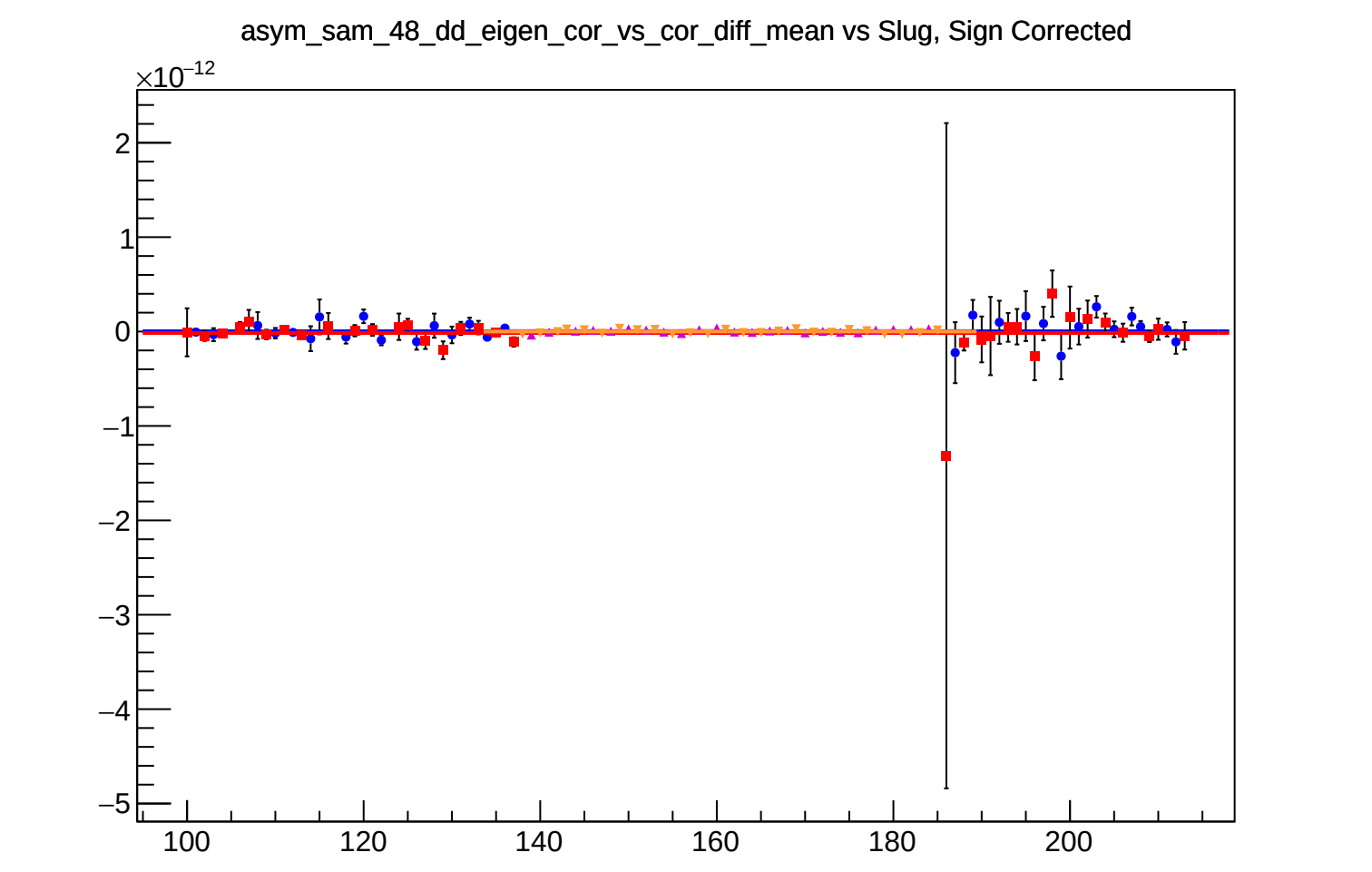
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 32.029+/-0.005 χ^2/NDF: 19819438.6/62

In: 39.145+/-0.005 χ^2/NDF:13205450.5/51

Out: 36.878+/-0.005 χ^2/NDF:18414911.4/58

All: 37.939+/-0.004 χ^2/NDF: 31716104.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 32.4/28

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

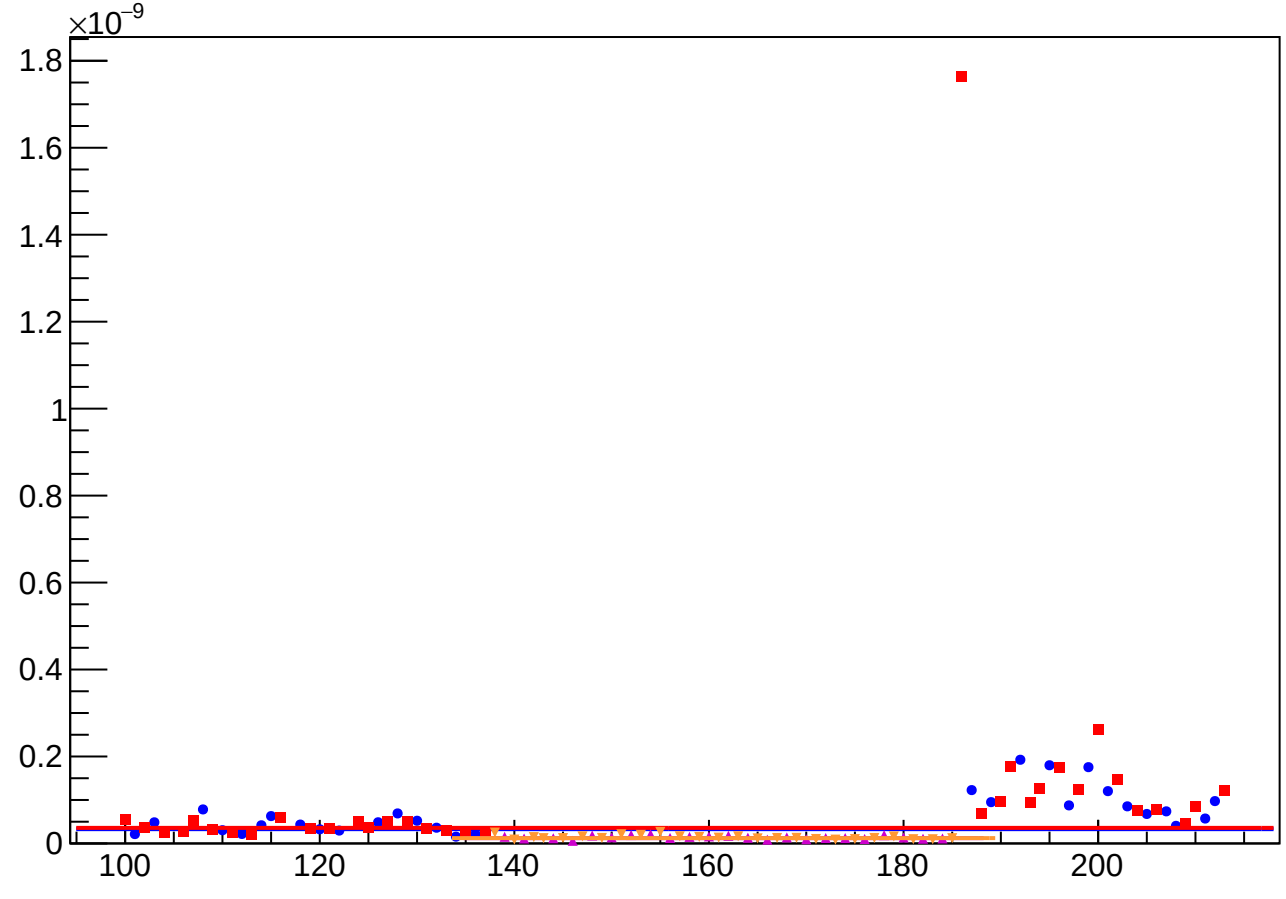
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 56.9/62

In: 0.000+/-0.000 χ^2/NDF:51.5/51

Out: -0.000+/-0.000 χ^2/NDF:56.1/58

All: 0.000+/-0.000 χ^2/NDF: 109.4/110



Right In: 0.000+/-0.000 χ^2/NDF: 7458088.5/28

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

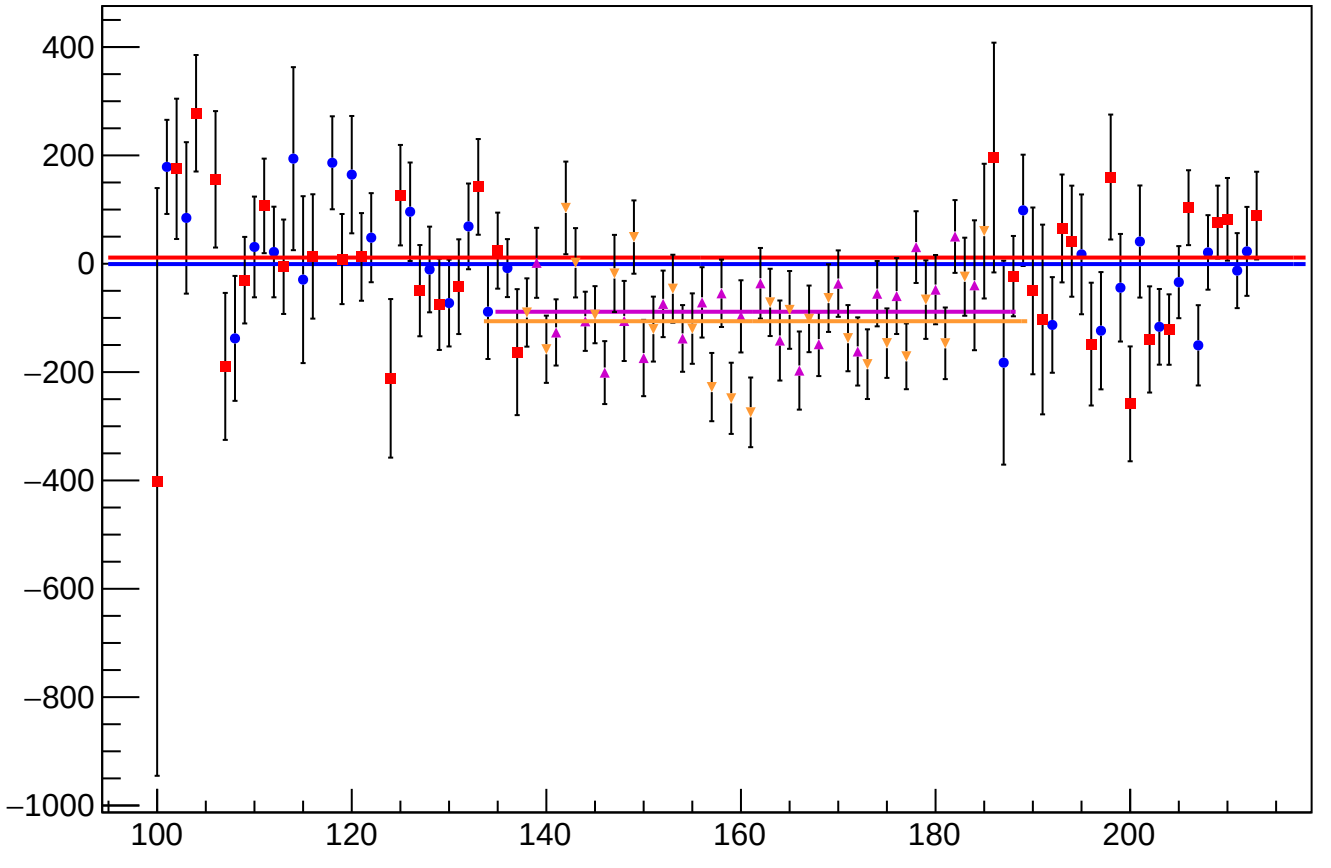
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 15155367.9/62

In: 0.000+/-0.000 χ^2/NDF:15017432.2/51

Out: 0.000+/-0.000 χ^2/NDF:16322889.3/58

All: 0.000+/-0.000 χ^2/NDF: 31340407.8/110



Right In: -0.634+/-16.147 χ^2/NDF: 31.2/28

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

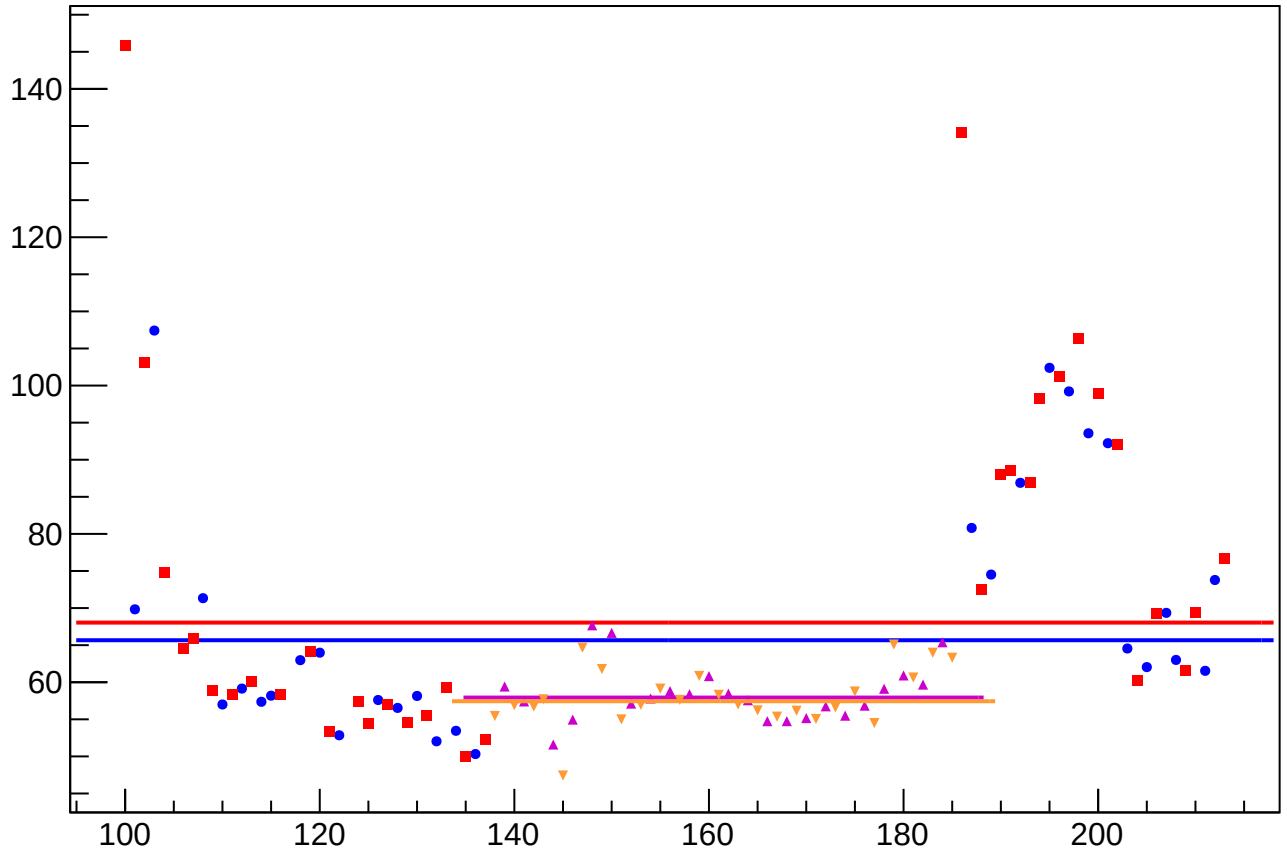
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 5.391+/-11.405 χ^2/NDF: 78.3/62

In: -52.211+/-10.387 χ^2/NDF:72.6/51

Out: -59.384+/-10.159 χ^2/NDF:119.4/58

All: -55.877+/-7.263 χ^2/NDF: 192.3/110



Right In: 65.664+/-0.011 χ^2/NDF: 1487928.4/28

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

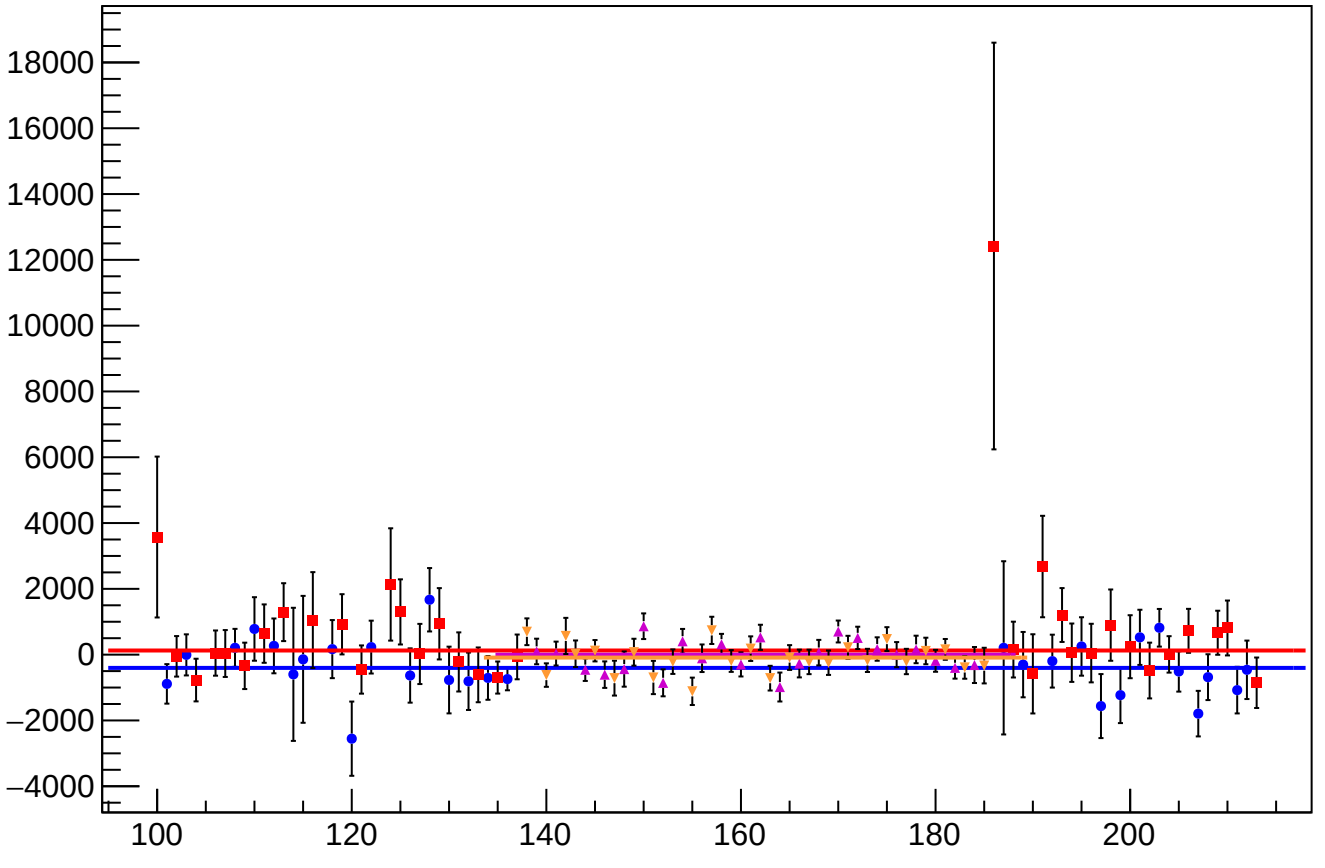
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.856+/-0.008 χ^2/NDF: 3490548.8/62

In: 61.132+/-0.007 χ^2/NDF:1892588.4/51

Out: 61.656+/-0.007 χ^2/NDF:2677205.6/58

All: 61.400+/-0.005 χ^2/NDF: 4572397.8/110



Right In: -402.718+/-139.177 χ^2/NDF: 29.2/28

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

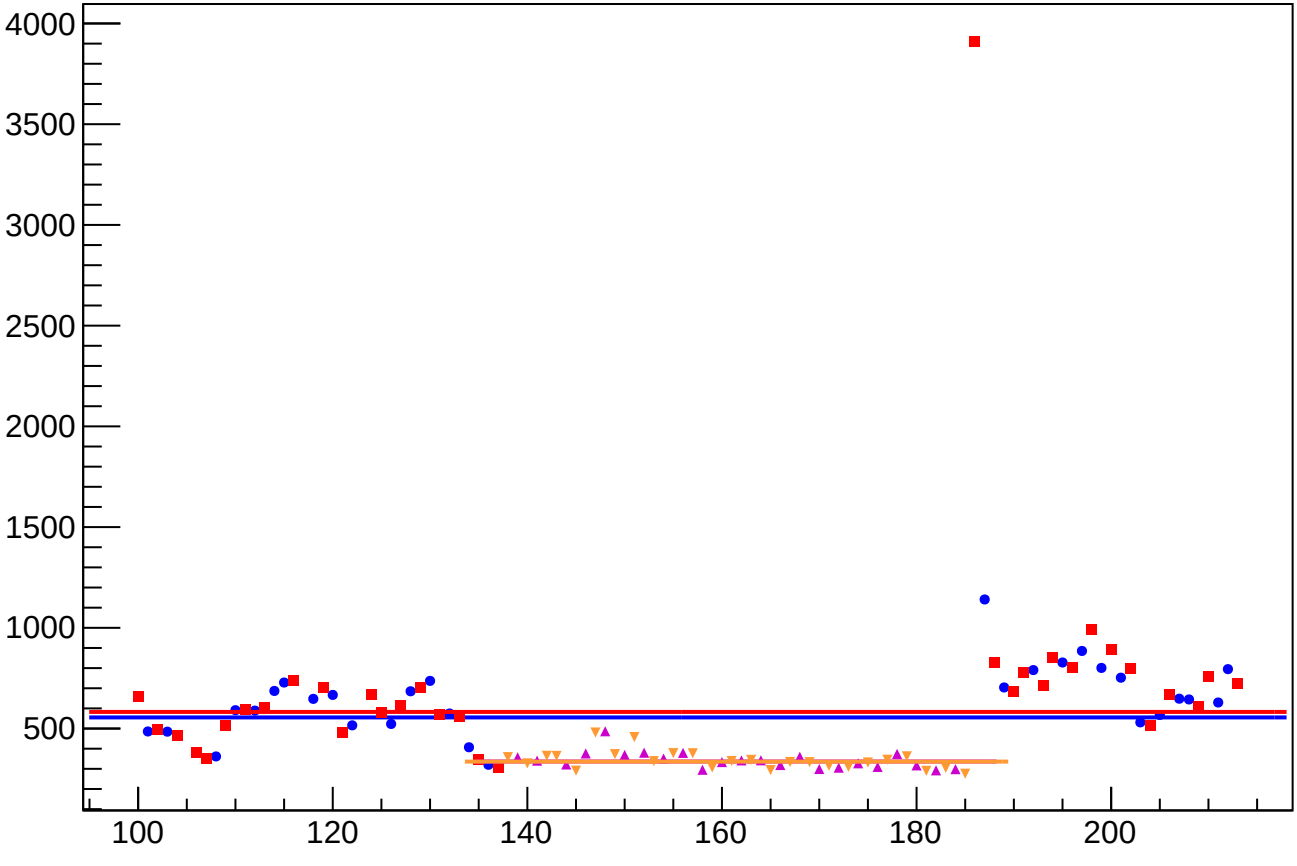
Right: -141.007+/-98.910 χ^2/NDF: 65.6/62

In: -100.799+/-68.831 χ^2/NDF:69.0/51

Out: -39.411+/-67.542 χ^2/NDF:60.9/58

All: -69.525+/-48.209 χ^2/NDF: 130.3/110

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 555.194+/-0.098 χ^2/NDF: 2759192.0/28

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

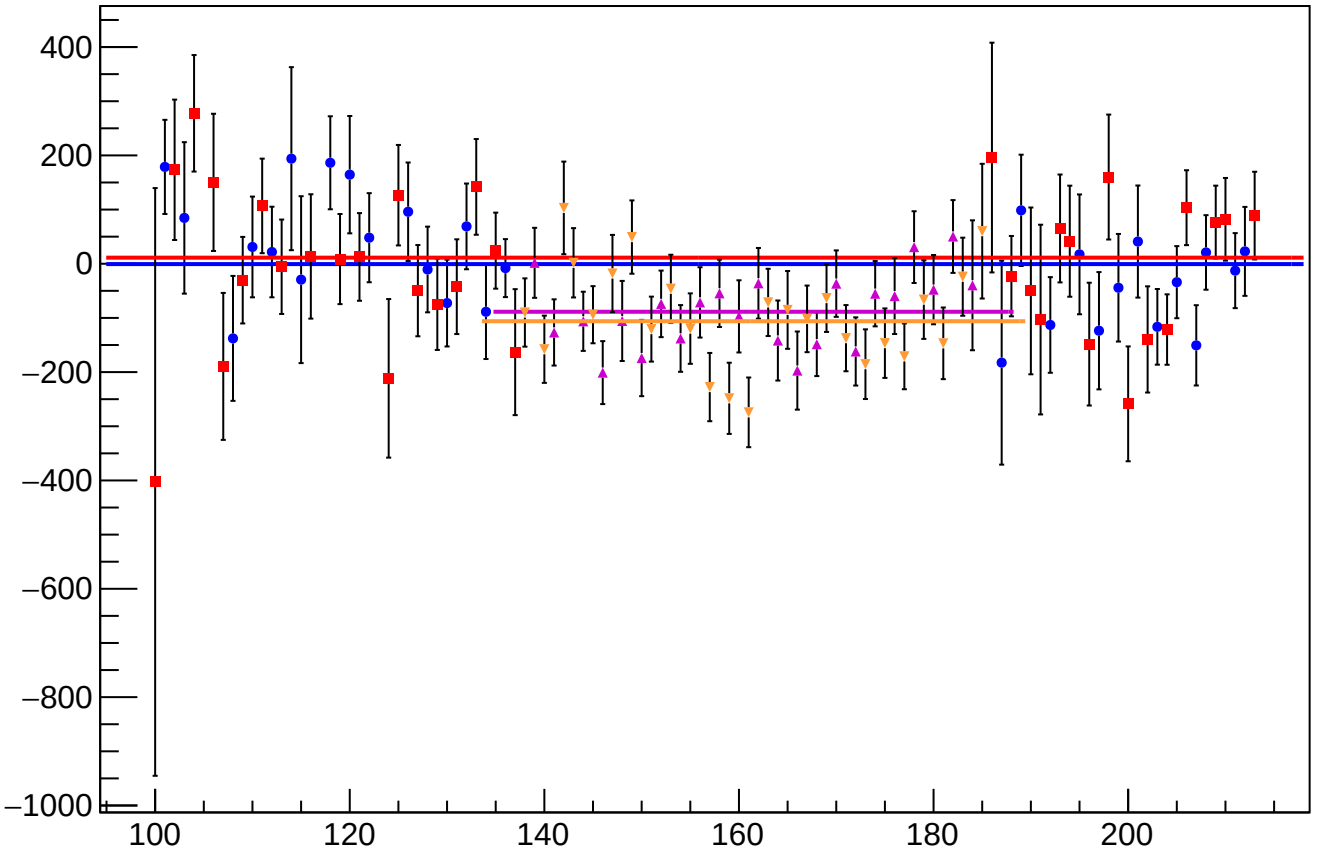
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 568.728+/-0.070 χ^2/NDF: 6235101.3/62

In: 389.870+/-0.049 χ^2/NDF:6909156.4/51

Out: 392.818+/-0.048 χ^2/NDF:8706195.1/58

All: 391.372+/-0.034 χ^2/NDF: 15617219.7/11



Right In: -0.639+/-16.147 χ^2/NDF: 31.3/28

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

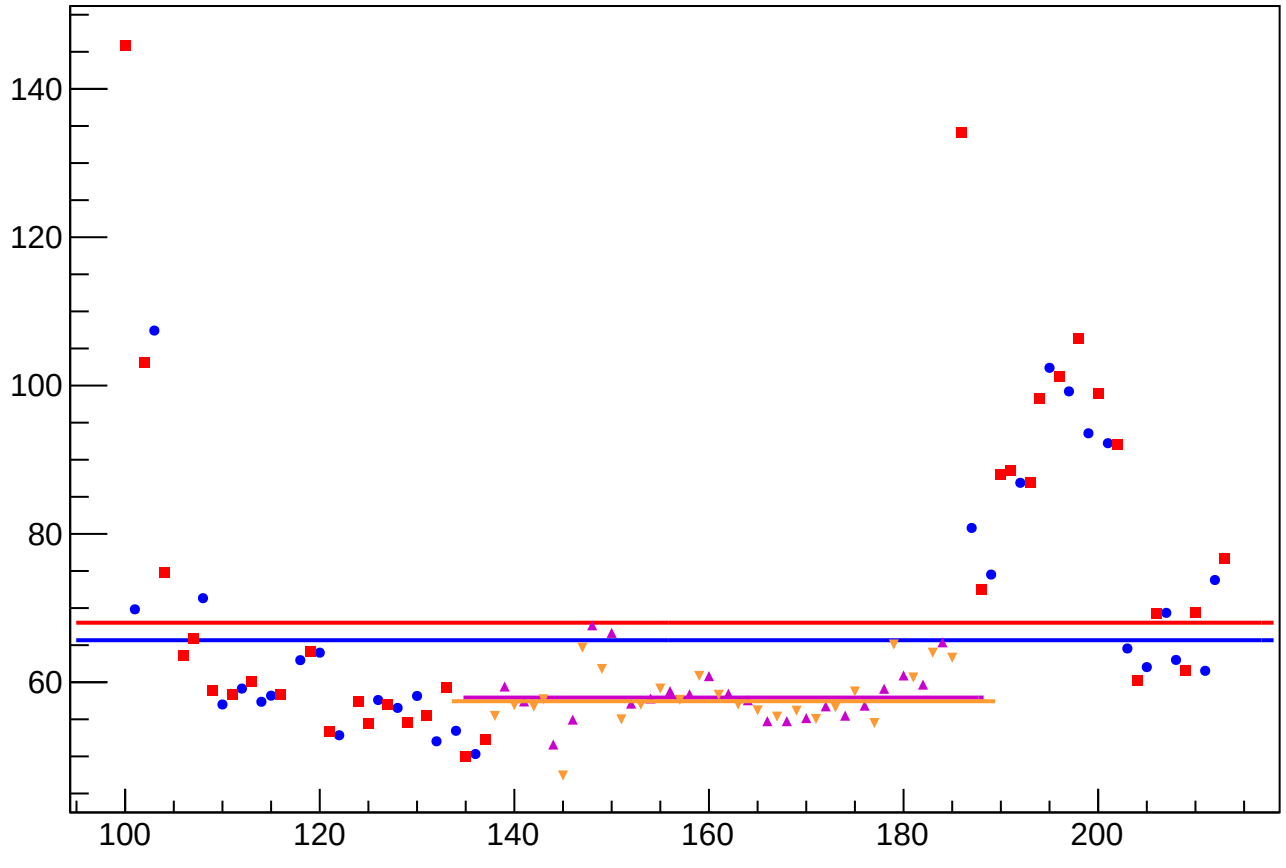
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 5.315+/-11.405 χ^2/NDF: 78.1/62

In: -52.214+/-10.387 χ^2/NDF:72.6/51

Out: -59.448+/-10.159 χ^2/NDF:119.2/58

All: -55.911+/-7.263 χ^2/NDF: 192.0/110



Right In: 65.664+/-0.011 χ^2/NDF: 1487930.4/28

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

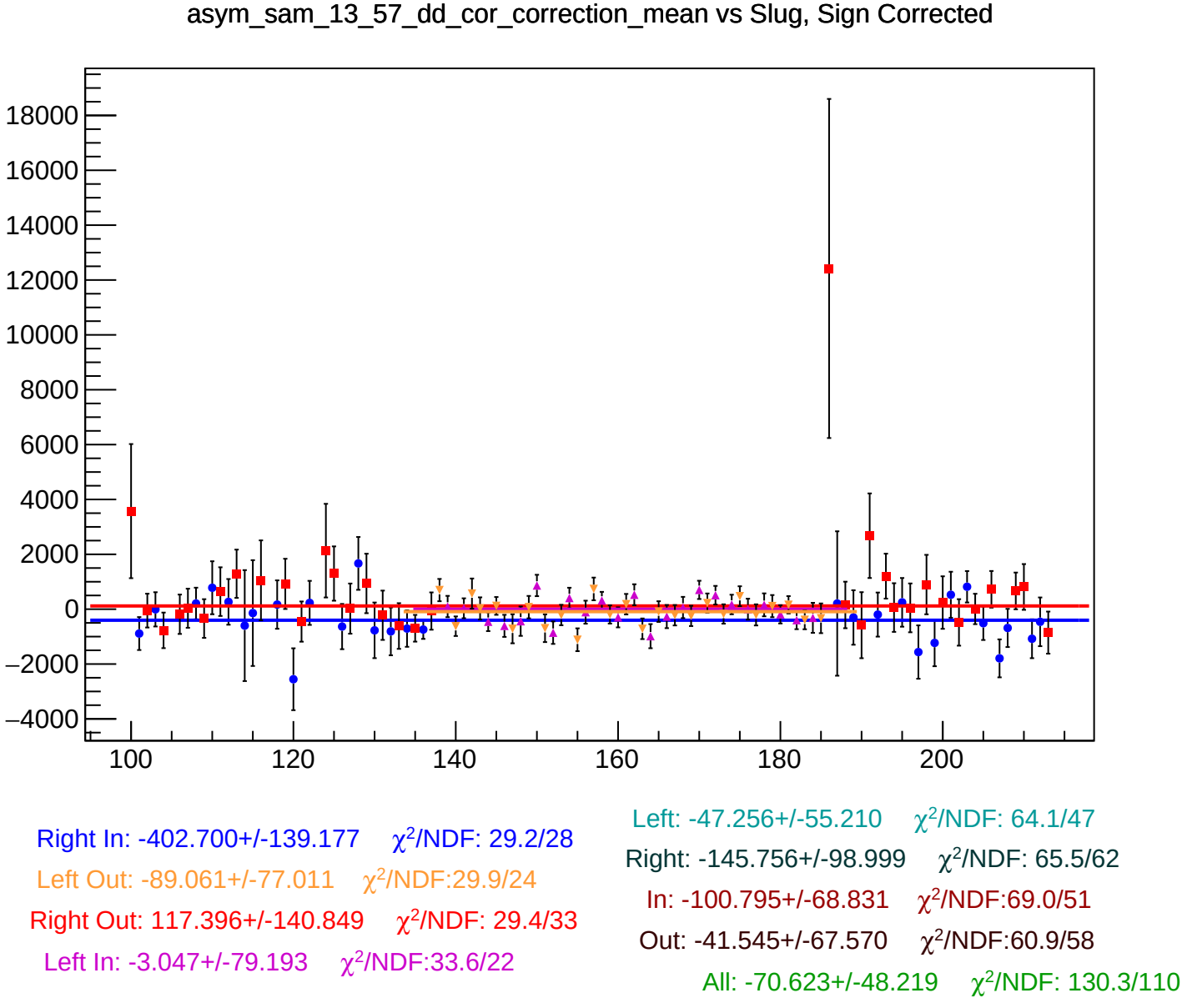
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.848+/-0.008 χ^2/NDF: 3491436.5/62

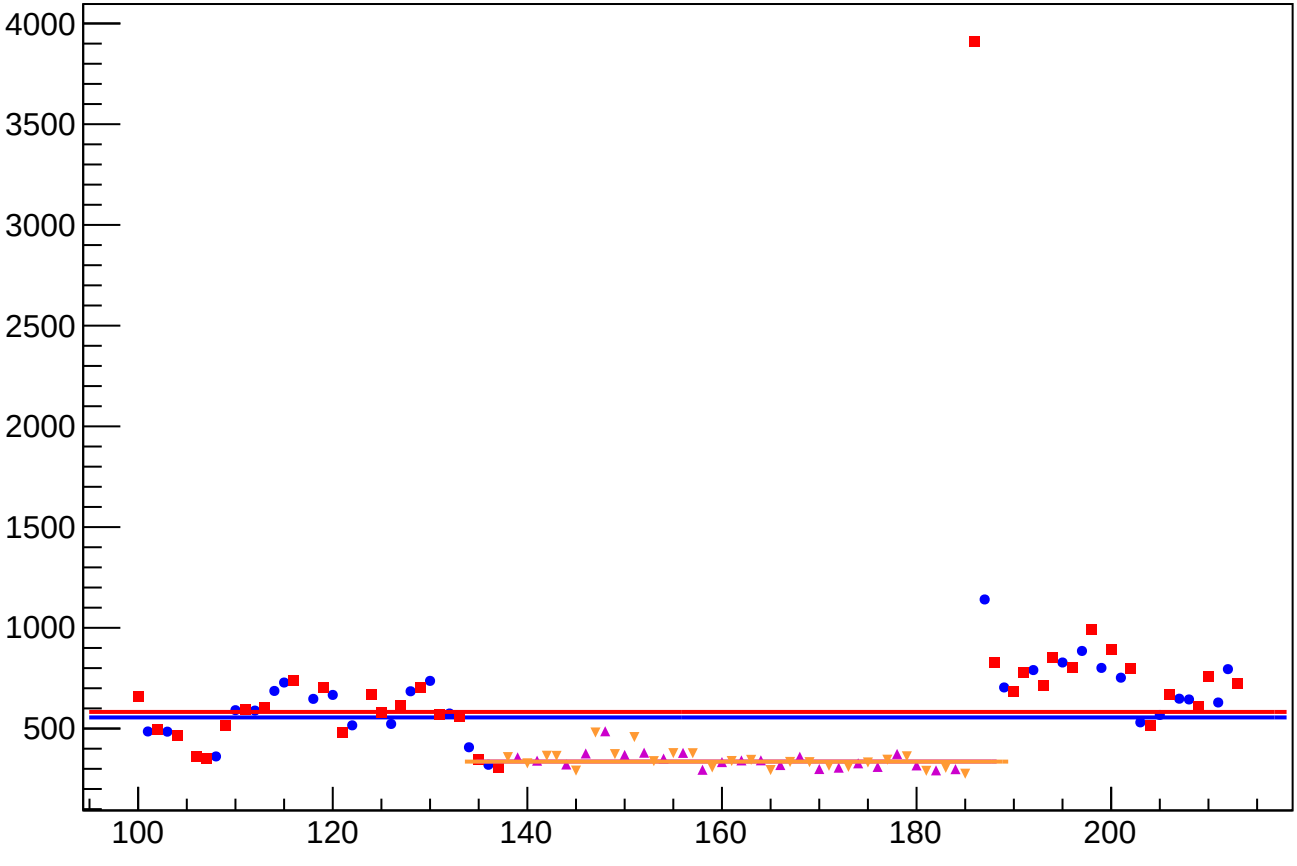
In: 61.132+/-0.007 χ^2/NDF:1892590.4/51

Out: 61.649+/-0.007 χ^2/NDF:2676817.2/58

All: 61.396+/-0.005 χ^2/NDF: 4571947.0/110


asym_sam_13_57_dd_cor_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: -402.700+/-139.177 χ²/NDF: 29.2/28
Left Out: -89.061+/-77.011 χ²/NDF:29.9/24
Right Out: 117.396+/-140.849 χ²/NDF: 29.4/33
Left In: -3.047+/-79.193 χ²/NDF:33.6/22
Left: -47.256+/-55.210 χ²/NDF: 64.1/47
Right: -145.756+/-98.999 χ²/NDF: 65.5/62
In: -100.795+/-68.831 χ²/NDF:69.0/51
Out: -41.545+/-67.570 χ²/NDF:60.9/58
All: -70.623+/-48.219 χ²/NDF: 130.3/110

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 555.196+/-0.098 χ^2/NDF: 2759161.1/28

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

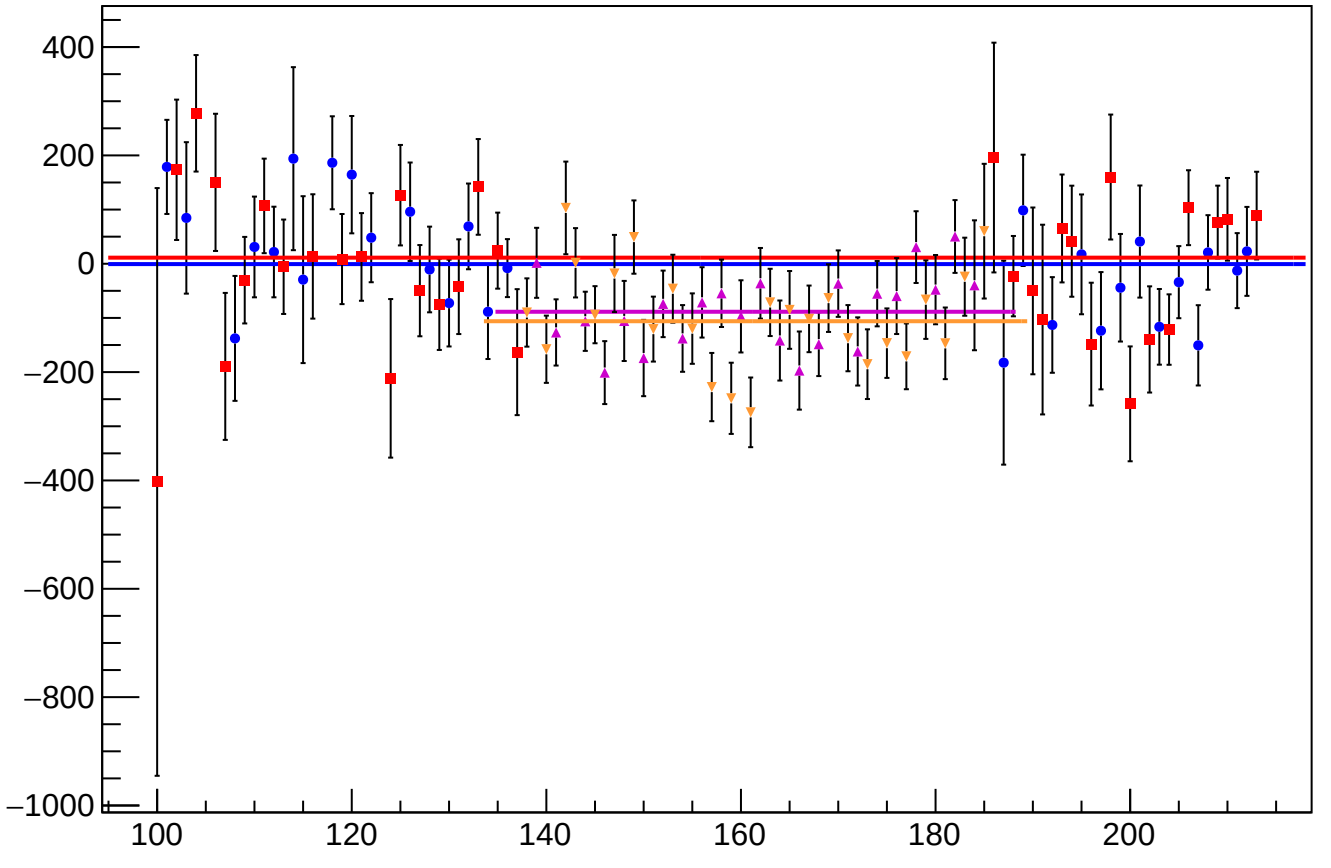
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 568.674+/-0.070 χ^2/NDF: 6254246.9/62

In: 389.871+/-0.049 χ^2/NDF:6909186.9/51

Out: 392.645+/-0.048 χ^2/NDF:8710051.4/58

All: 391.283+/-0.034 χ^2/NDF: 15620892.9/1



Right In: -0.639+/-16.147 χ^2/NDF: 31.3/28

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

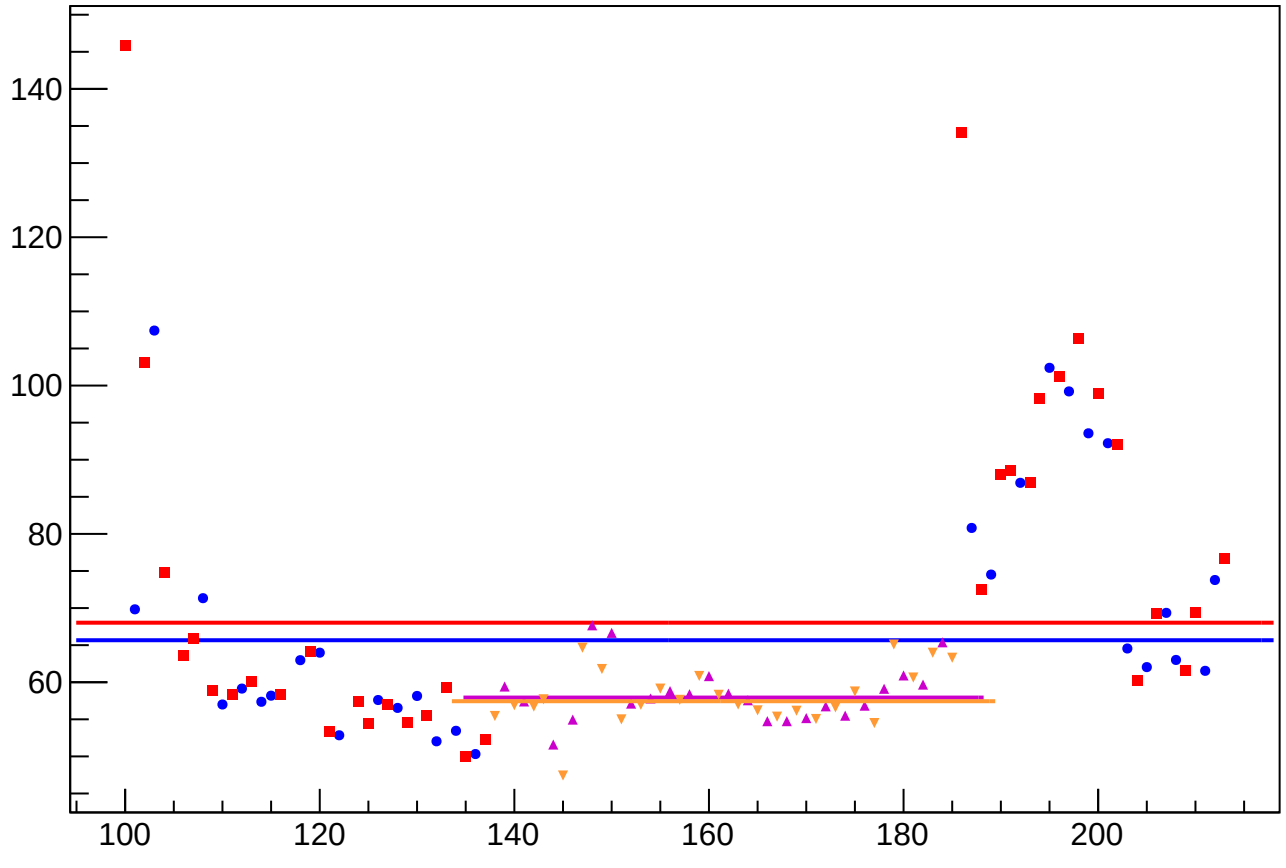
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 5.315+/-11.405 χ^2/NDF: 78.1/62

In: -52.214+/-10.387 χ^2/NDF:72.6/51

Out: -59.448+/-10.159 χ^2/NDF:119.2/58

All: -55.911+/-7.263 χ^2/NDF: 192.0/110



Right In: 65.664+/-0.011 χ^2/NDF: 1487930.4/28

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

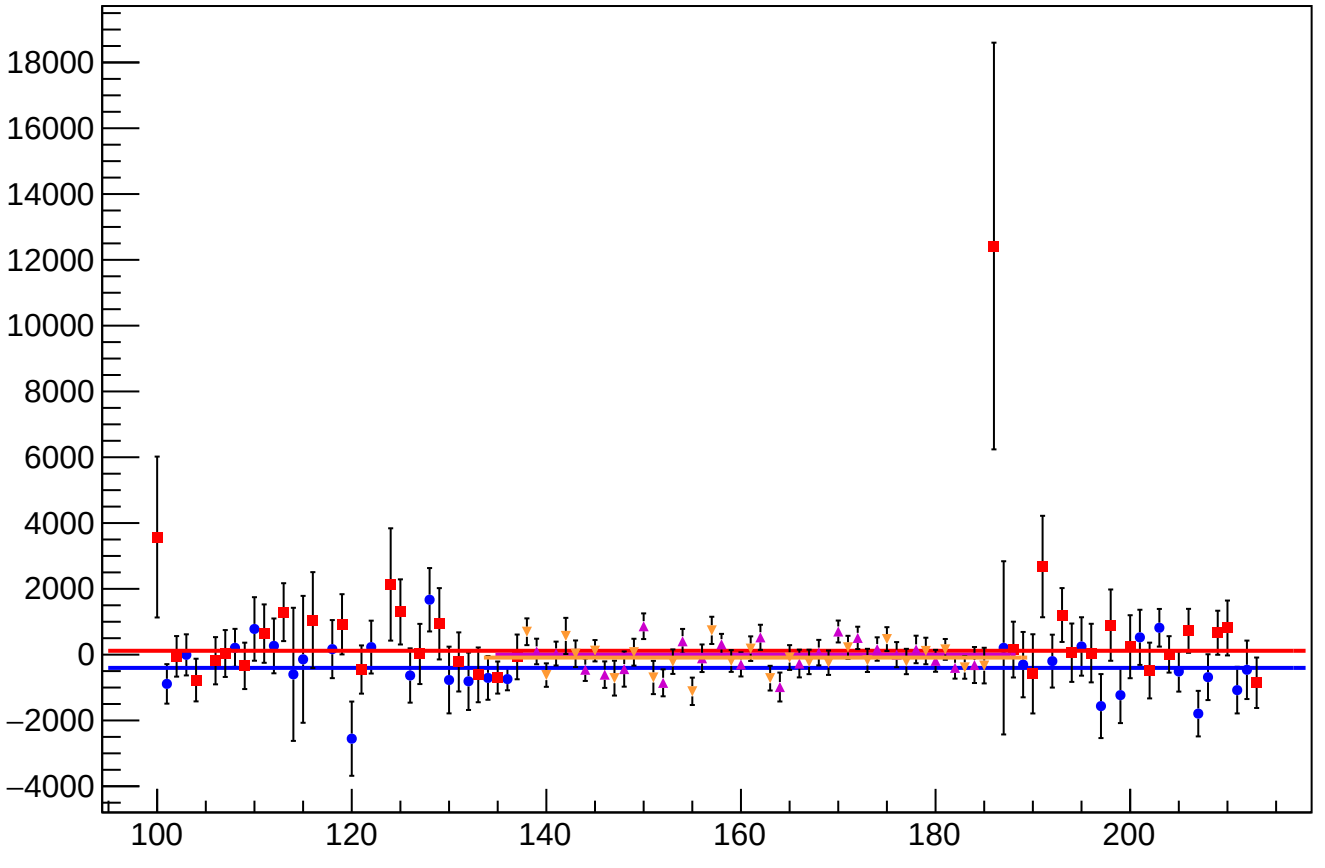
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.848+/-0.008 χ^2/NDF: 3491436.5/62

In: 61.132+/-0.007 χ^2/NDF:1892590.4/51

Out: 61.649+/-0.007 χ^2/NDF:2676817.2/58

All: 61.396+/-0.005 χ^2/NDF: 4571947.0/110



Right In: -402.700+/-139.177 χ^2/NDF: 29.2/28

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

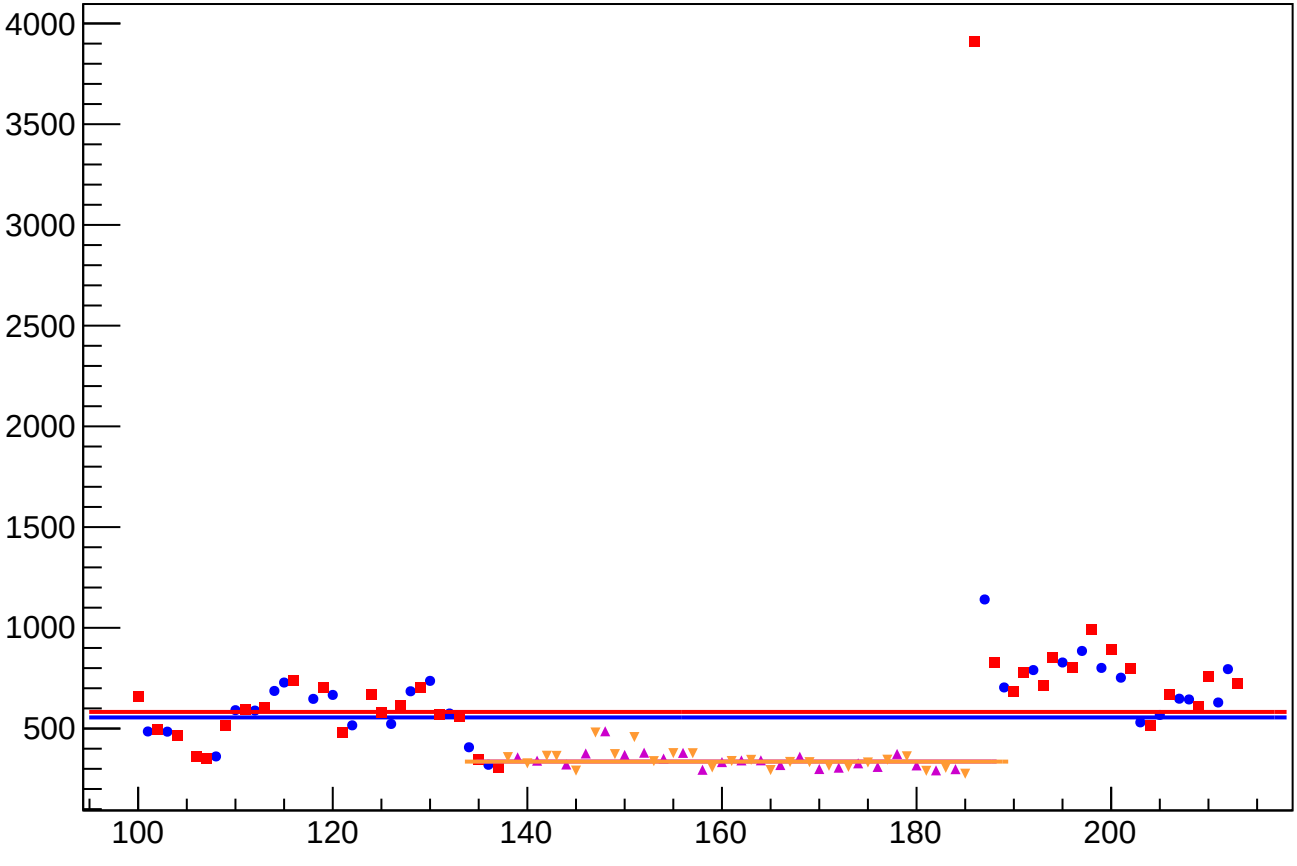
Right: -145.756+/-98.999 χ^2/NDF: 65.5/62

In: -100.795+/-68.831 χ^2/NDF:69.0/51

Out: -41.545+/-67.570 χ^2/NDF:60.9/58

All: -70.623+/-48.219 χ^2/NDF: 130.3/110

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 555.196+/-0.098 χ^2/NDF: 2759161.1/28

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

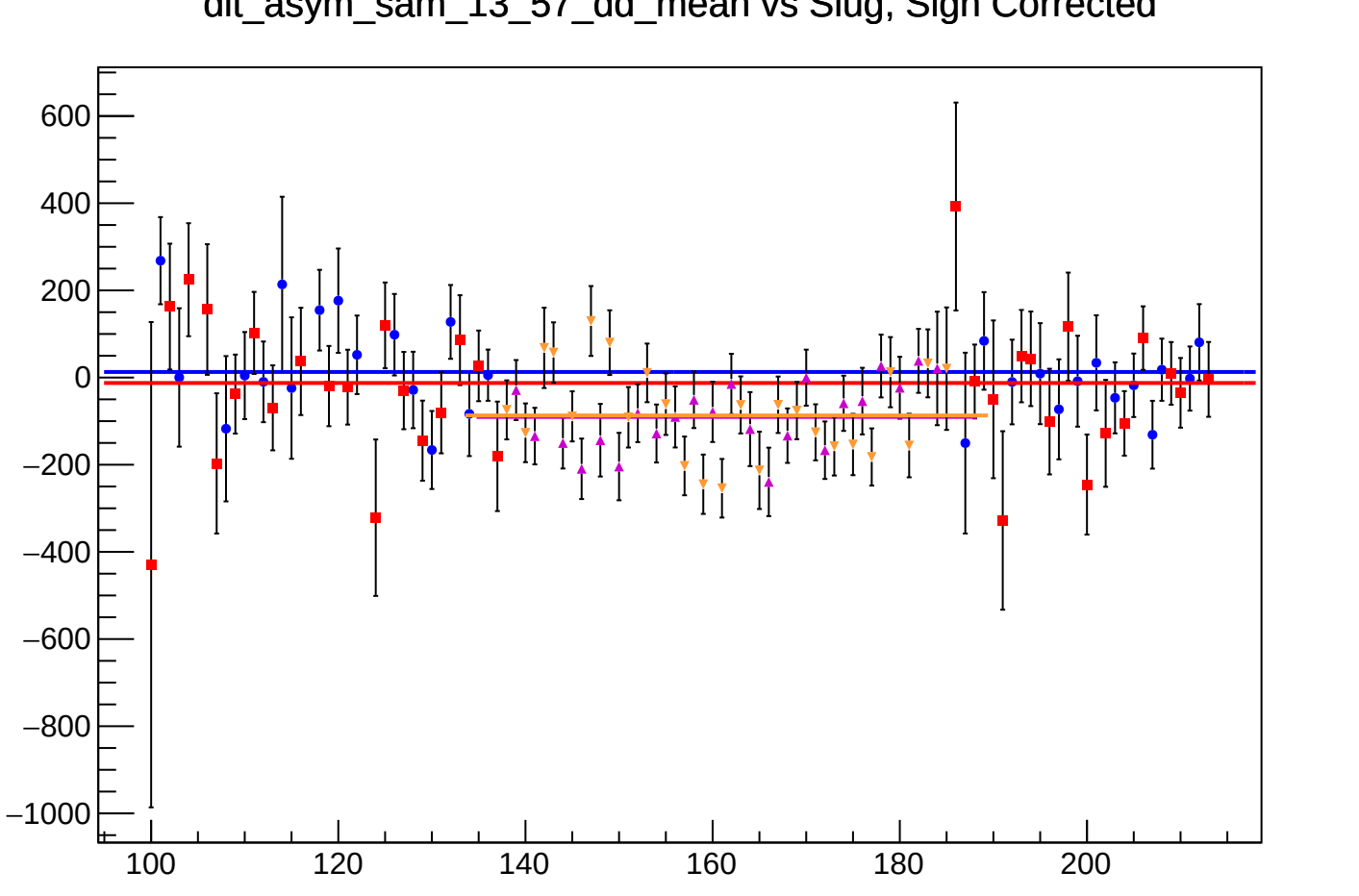
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 568.674+/-0.070 χ^2/NDF: 6254246.9/62

In: 389.871+/-0.049 χ^2/NDF:6909186.9/51

Out: 392.645+/-0.048 χ^2/NDF:8710051.4/58

All: 391.283+/-0.034 χ^2/NDF: 15620892.9/1



Right In: 12.832+/-17.621 χ^2/NDF: 27.1/28

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

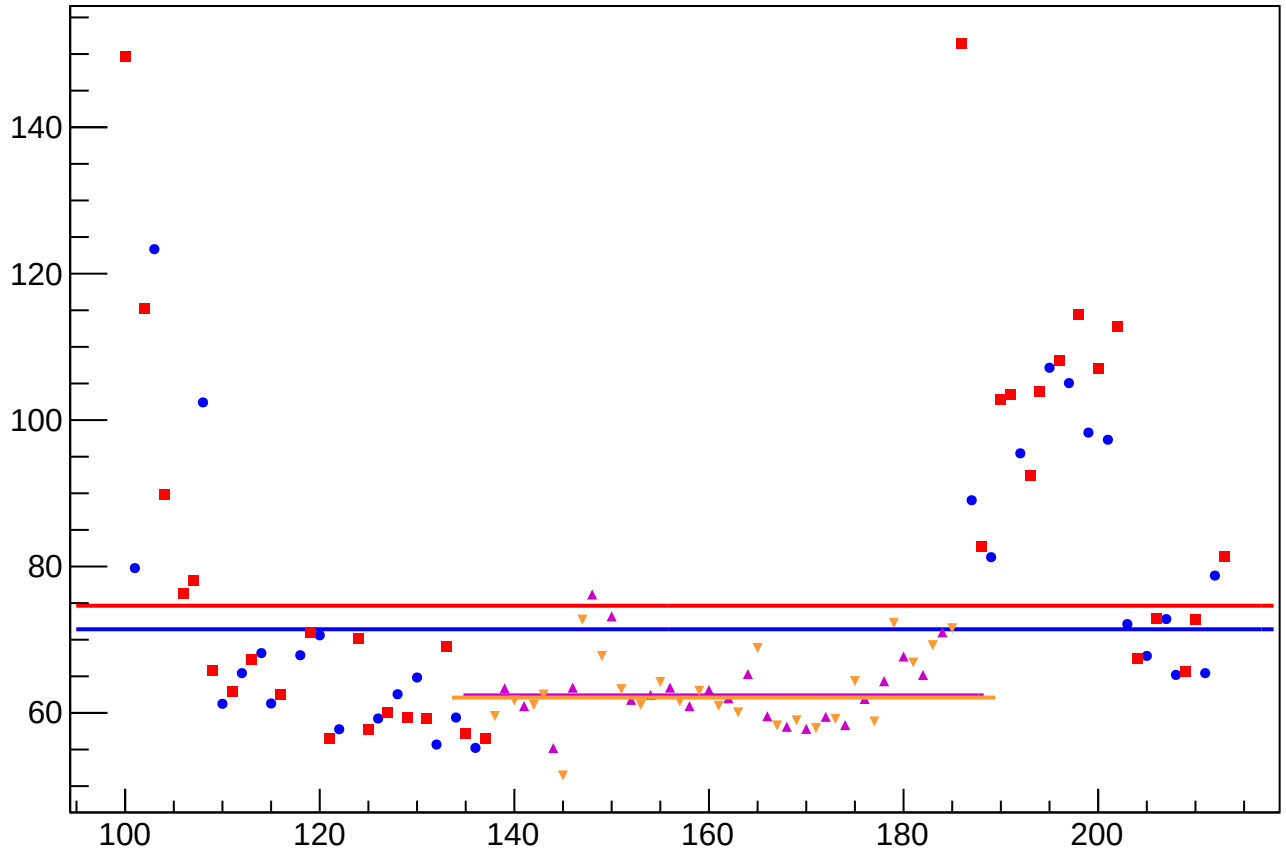
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 0.262+/-12.505 χ^2/NDF: 64.8/62

In: -48.164+/-11.268 χ^2/NDF:72.4/51

Out: -57.962+/-11.076 χ^2/NDF:96.2/58

All: -53.147+/-7.899 χ^2/NDF: 169.0/110



Right In: 71.426+/-0.012 χ^2/NDF: 1508545.8/28

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

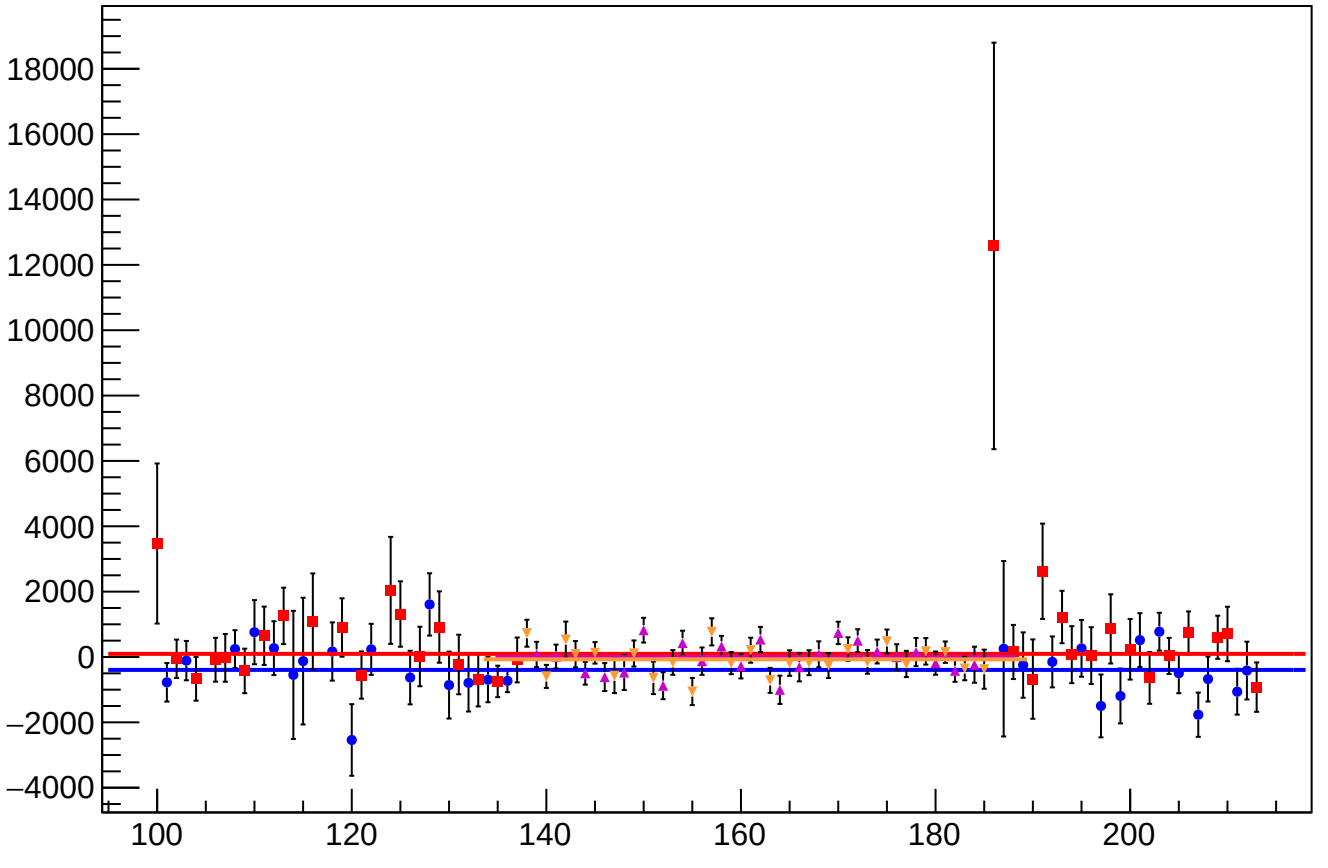
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 73.022+/-0.009 χ^2/NDF: 3594405.5/62

In: 66.088+/-0.008 χ^2/NDF:2007887.3/51

Out: 66.979+/-0.008 χ^2/NDF:2896475.6/58

All: 66.541+/-0.006 χ^2/NDF: 4910724.1/110



Right In: -395.271+/-138.560 χ^2/NDF: 28.3/28

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

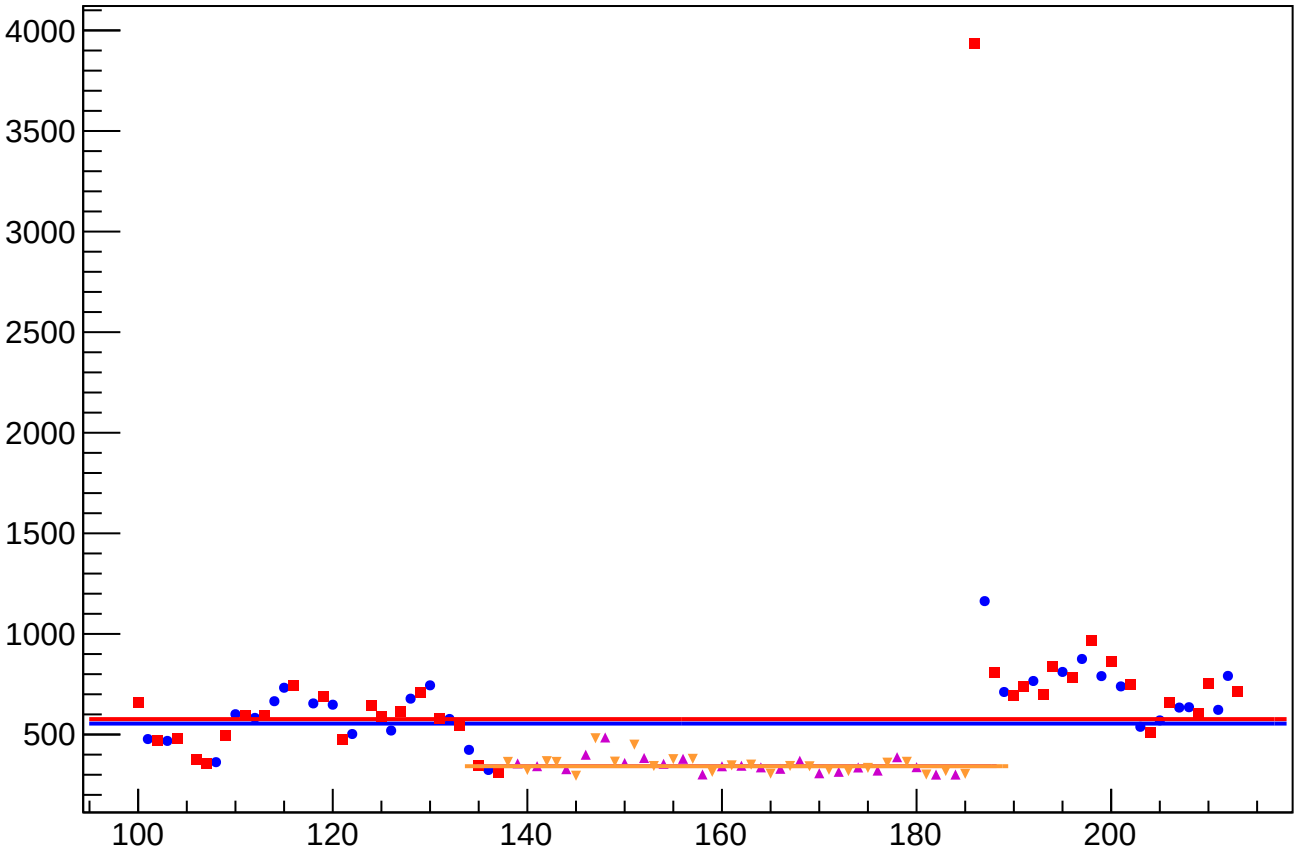
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

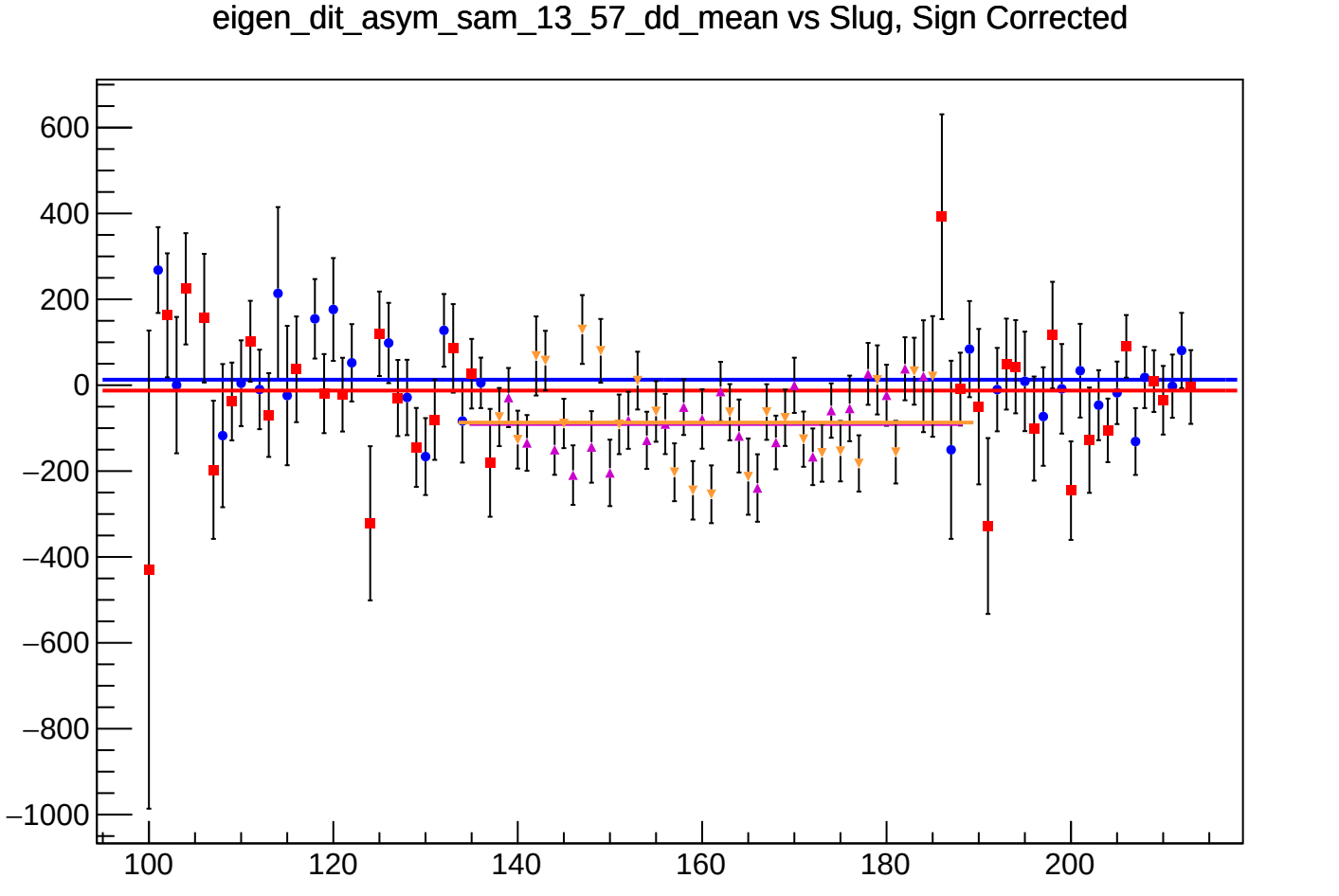
Right: -150.302+/-98.075 χ^2/NDF: 65.2/62

In: -104.809+/-69.773 χ^2/NDF:68.2/51

Out: -30.954+/-68.267 χ^2/NDF:60.3/58

All: -67.076+/-48.796 χ^2/NDF: 129.1/110


asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 554.396+/-0.098 χ²/NDF: 2625626.1/28
Left Out: 342.502+/-0.055 χ²/NDF:434208.3/24
Right Out: 576.560+/-0.098 χ²/NDF: 3300071.7/33
Left In: 343.245+/-0.057 χ²/NDF:372991.6/22
Left: 342.863+/-0.040 χ²/NDF: 807286.9/47
Right: 565.455+/-0.069 χ²/NDF: 5951232.5/62
In: 396.787+/-0.049 χ²/NDF:6465415.6/51
Out: 399.090+/-0.048 χ²/NDF:8043996.2/58
All: 397.964+/-0.035 χ²/NDF: 14510524.9/11



Right In: 12.832+/-17.621 χ^2/NDF: 27.1/28

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

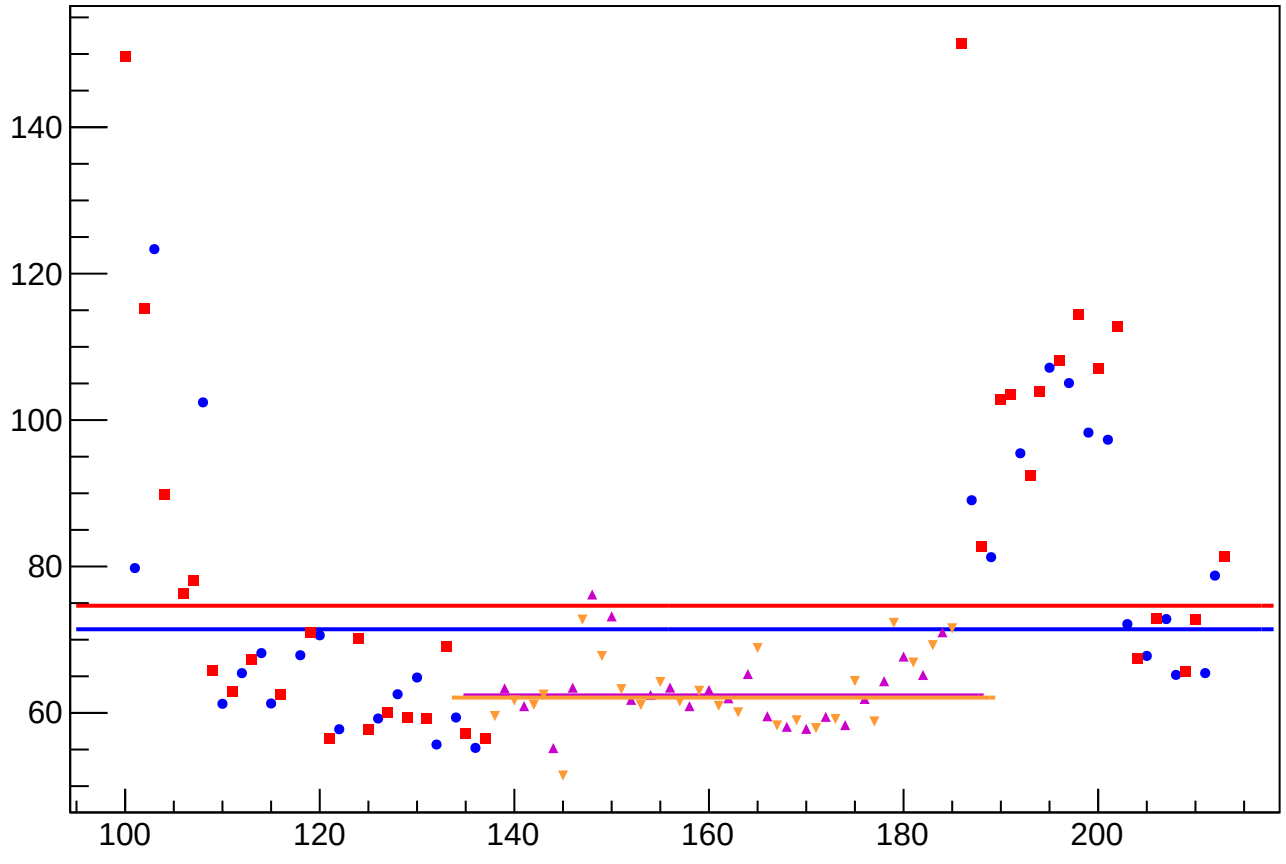
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 0.262+/-12.505 χ^2/NDF: 64.8/62

In: -48.163+/-11.268 χ^2/NDF:72.4/51

Out: -57.962+/-11.076 χ^2/NDF:96.2/58

All: -53.147+/-7.899 χ^2/NDF: 169.0/110



Right In: 71.426+/-0.012 χ^2/NDF: 1508567.0/28

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

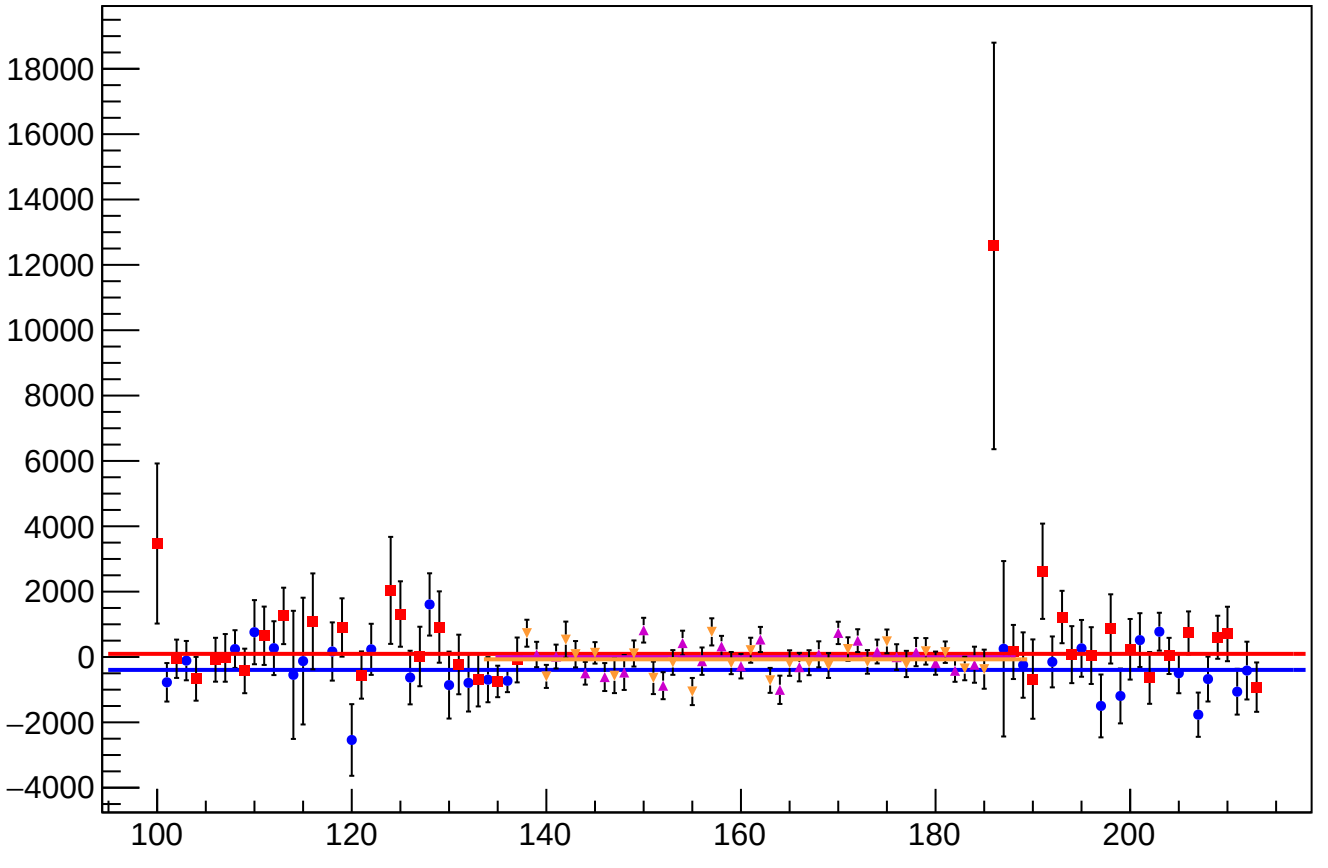
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 73.022+/-0.009 χ^2/NDF: 3594430.2/62

In: 66.088+/-0.008 χ^2/NDF:2007905.9/51

Out: 66.979+/-0.008 χ^2/NDF:2896478.7/58

All: 66.541+/-0.006 χ^2/NDF: 4910745.6/110



Right In: -395.270+/-138.560 χ^2/NDF: 28.3/28

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

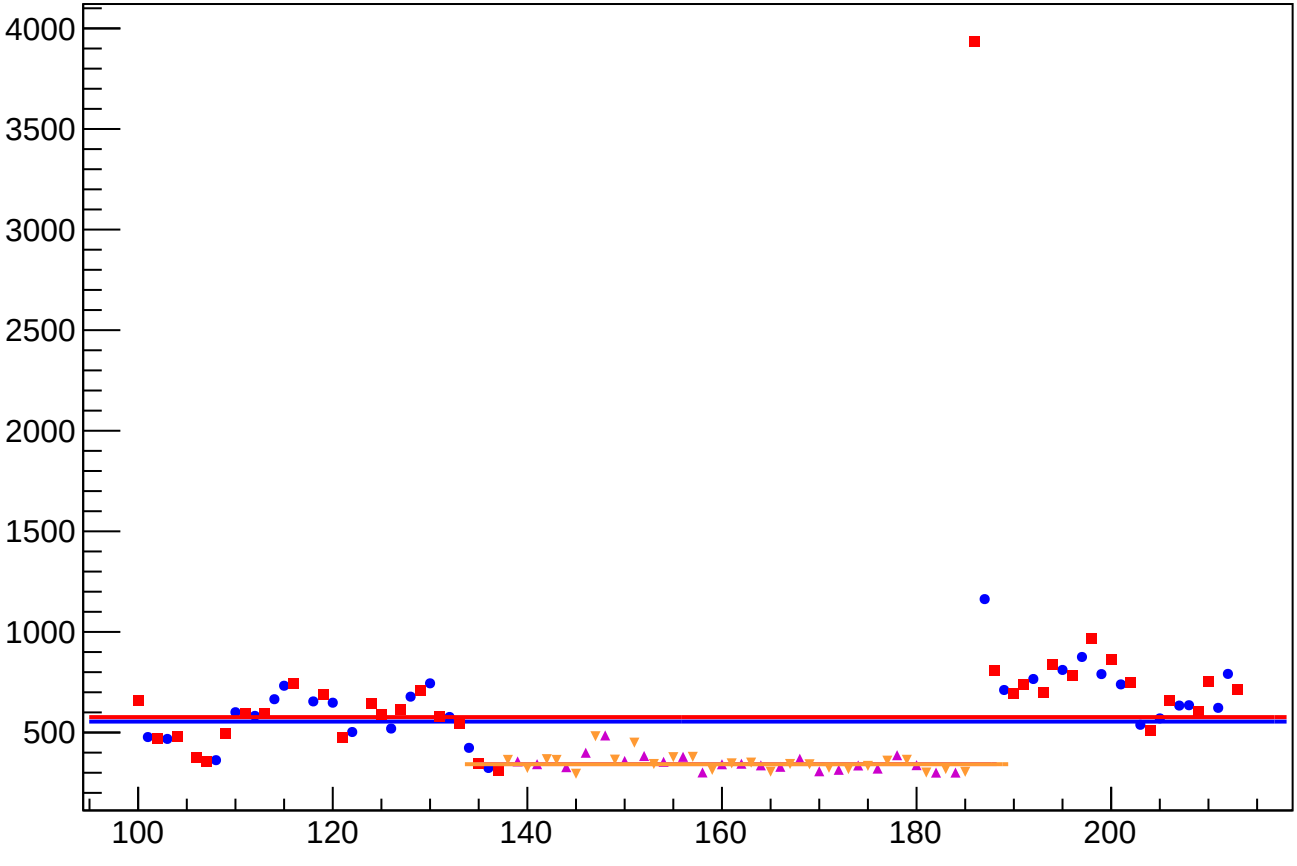
Right: -150.302+/-98.075 χ^2/NDF: 65.2/62

In: -104.809+/-69.773 χ^2/NDF:68.2/51

Out: -30.953+/-68.267 χ^2/NDF:60.3/58

All: -67.076+/-48.796 χ^2/NDF: 129.1/110

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 554.395+/-0.098 χ^2/NDF: 2625630.6/28

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

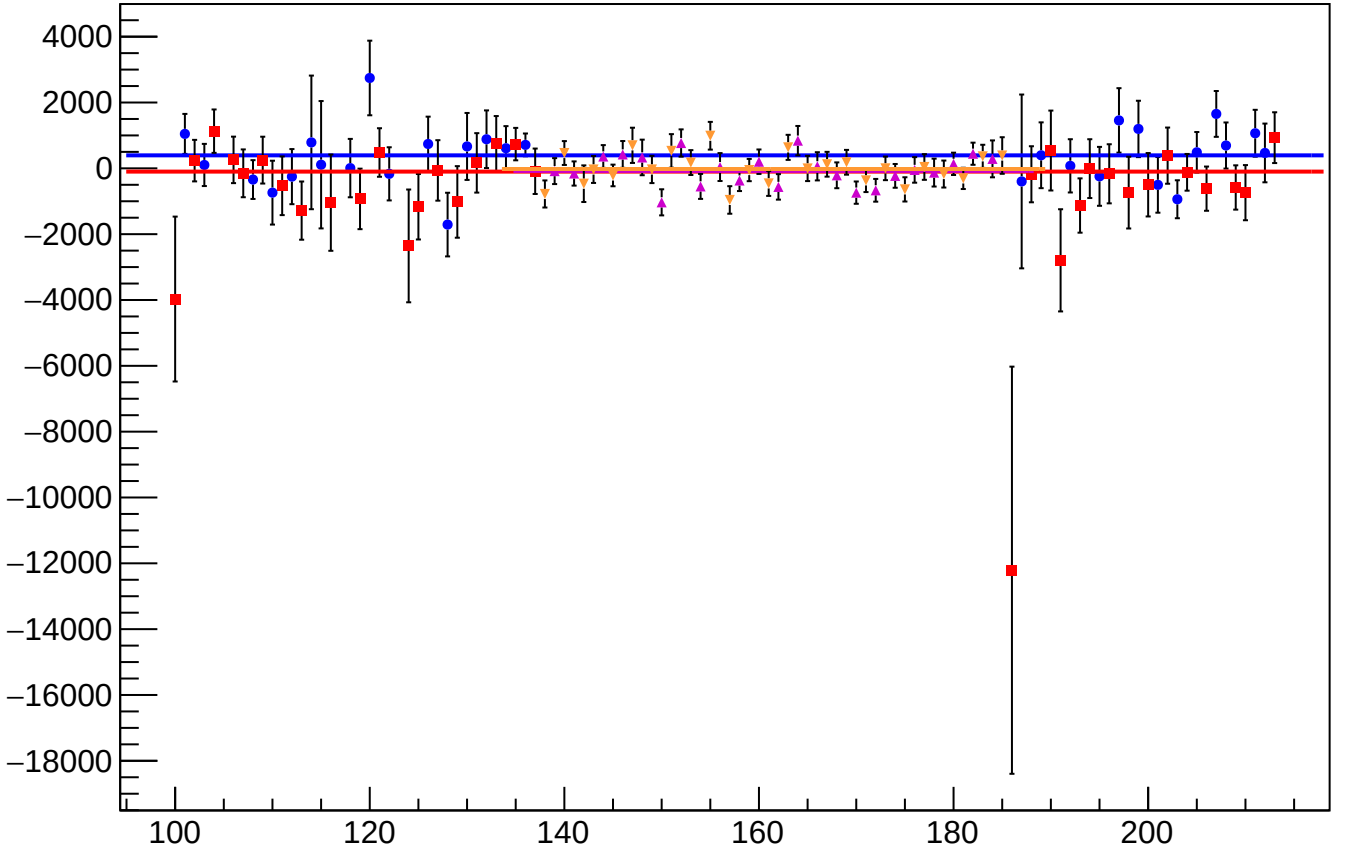
Right: 565.455+/-0.069 χ^2/NDF: 5951242.7/62

In: 396.787+/-0.049 χ^2/NDF:6465403.7/51

Out: 399.090+/-0.048 χ^2/NDF:8043984.1/58

All: 397.964+/-0.035 χ^2/NDF: 14510500.8/1

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 394.745+/-140.477 χ^2/NDF: 29.8/28

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

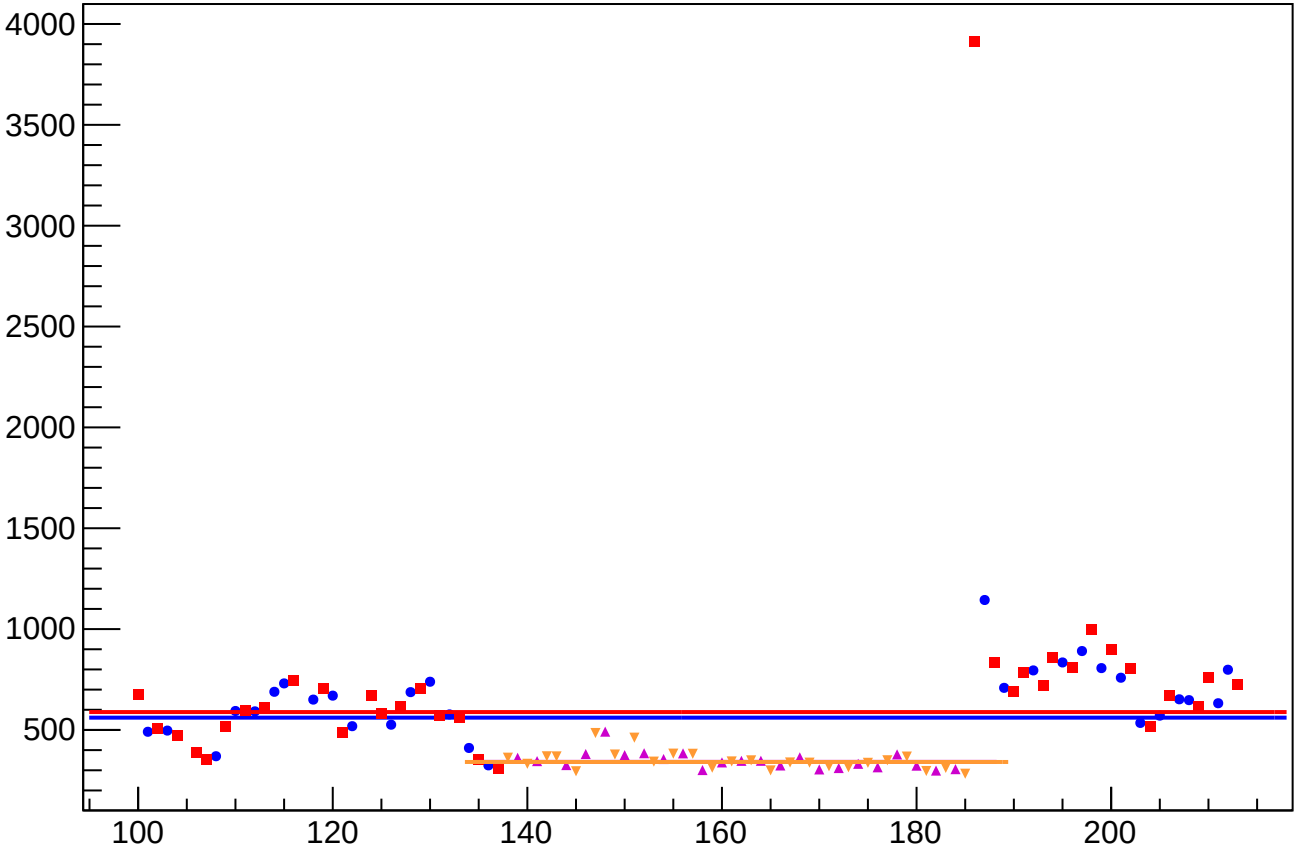
Right: 150.313+/-99.845 χ^2/NDF: 67.1/62

In: 38.127+/-69.786 χ^2/NDF:71.3/51

Out: -38.658+/-68.490 χ^2/NDF:62.8/58

All: -0.985+/-48.882 χ^2/NDF: 134.7/110

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 560.980+/-0.099 χ^2/NDF: 2694118.3/28

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

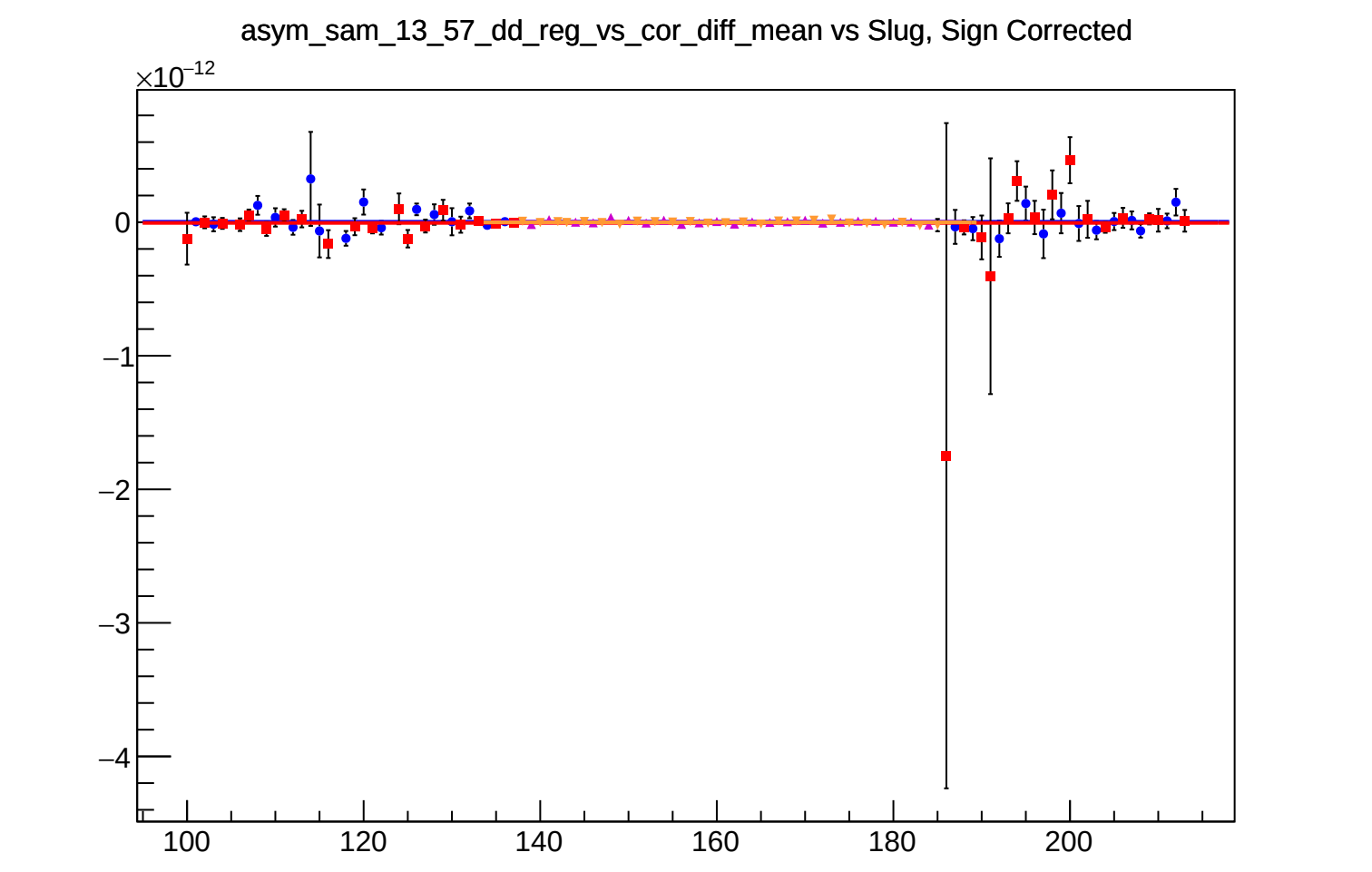
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 574.673+/-0.071 χ^2/NDF: 6101246.9/62

In: 395.758+/-0.049 χ^2/NDF:6764206.6/51

Out: 398.816+/-0.048 χ^2/NDF:8542943.4/58

All: 397.315+/-0.035 χ^2/NDF: 15309106.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 29.0/28

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

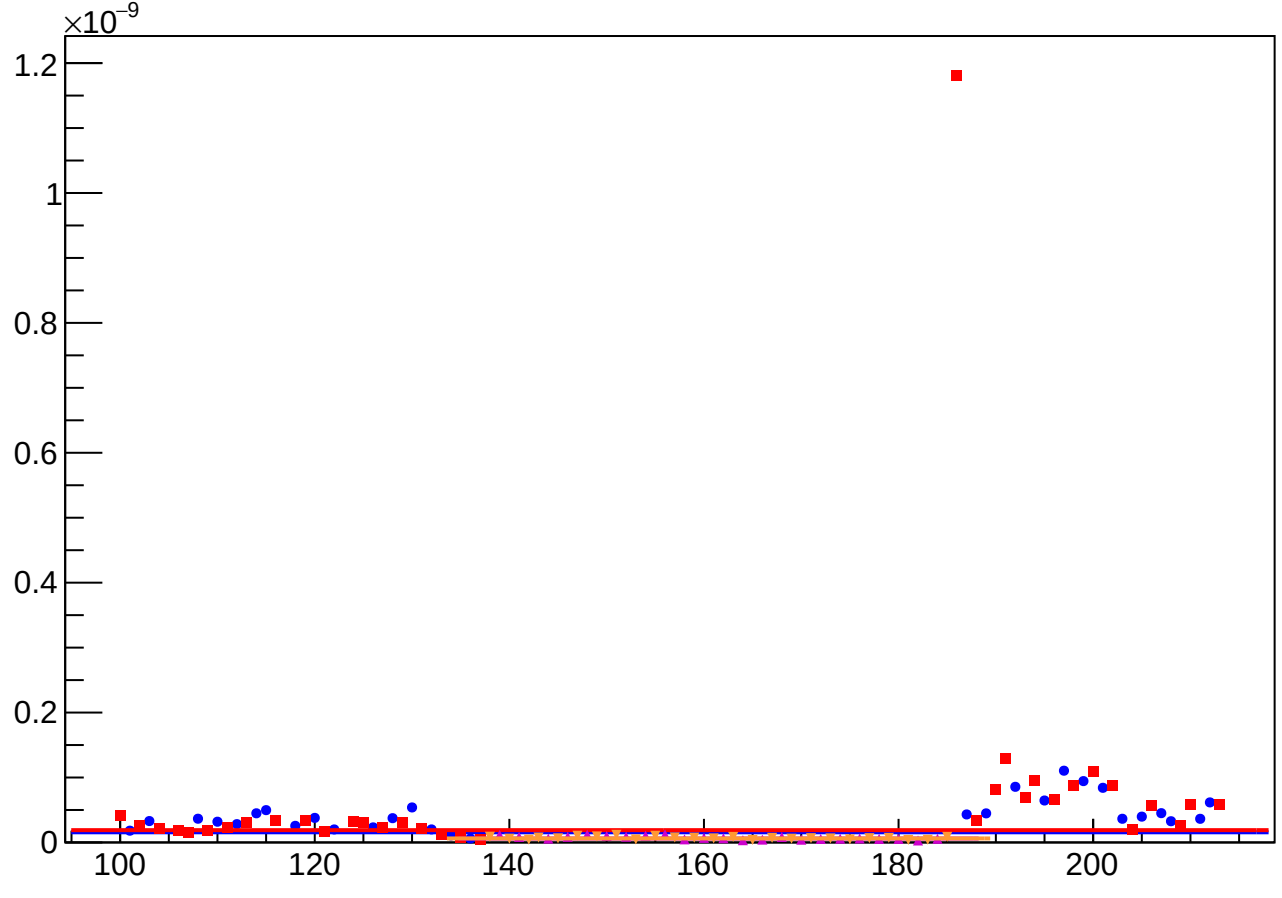
Right: -0.000+/-0.000 χ^2/NDF: 60.3/62

In: 0.000+/-0.000 χ^2/NDF:43.4/51

Out: -0.000+/-0.000 χ^2/NDF:50.1/58

All: 0.000+/-0.000 χ^2/NDF: 94.5/110

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7869275.8/28

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

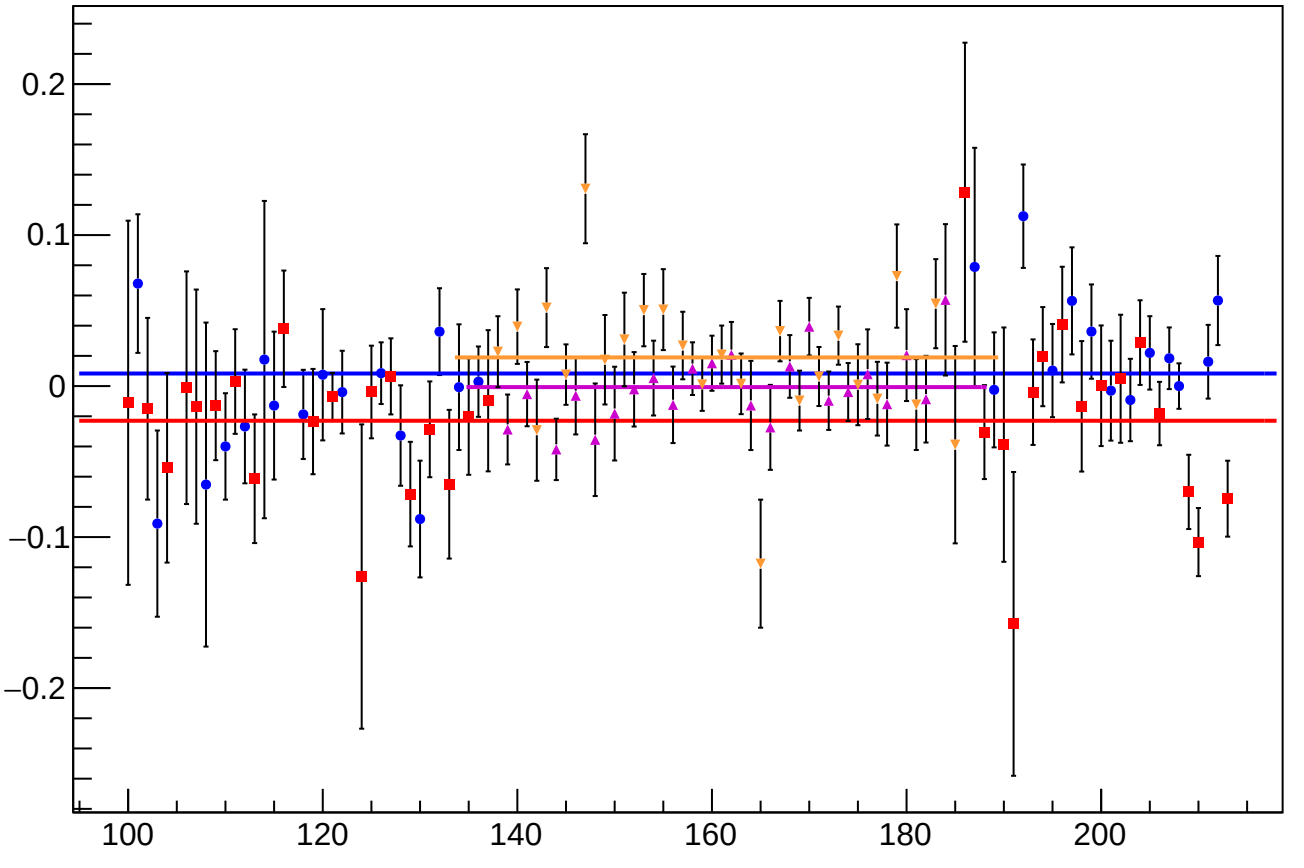
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15209840.5/62

In: 0.000+/-0.000 χ^2/NDF:12410471.5/51

Out: 0.000+/-0.000 χ^2/NDF:12539833.8/58

All: 0.000+/-0.000 χ^2/NDF: 24956482.4/110



Right In: 0.008+/-0.006 χ^2/NDF: 34.5/28

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

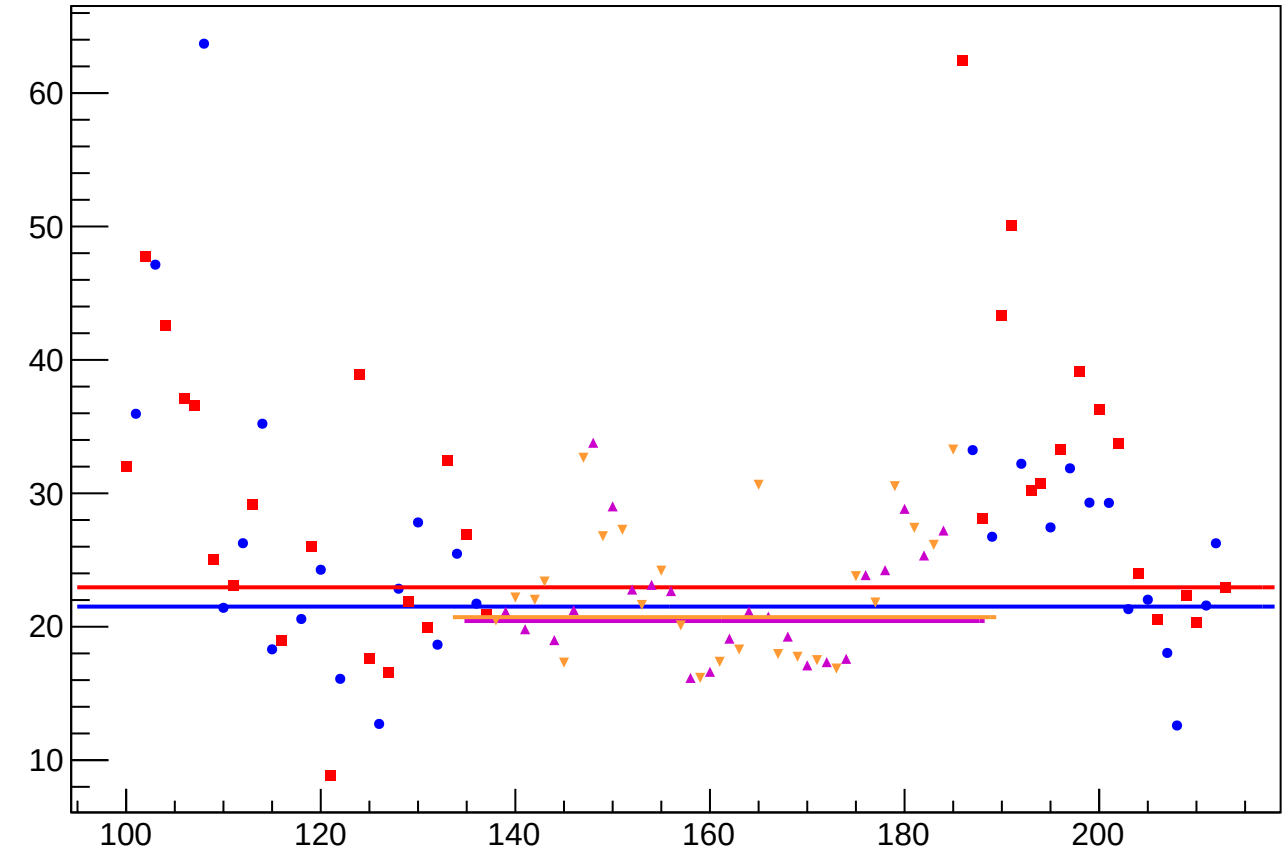
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.007+/-0.004 χ^2/NDF: 94.1/62

In: 0.003+/-0.004 χ^2/NDF:53.6/51

Out: 0.002+/-0.004 χ^2/NDF:116.2/58

All: 0.003+/-0.003 χ^2/NDF: 169.9/110



Right In: 21.510+/-0.004 χ^2/NDF: 3048752.9/28

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

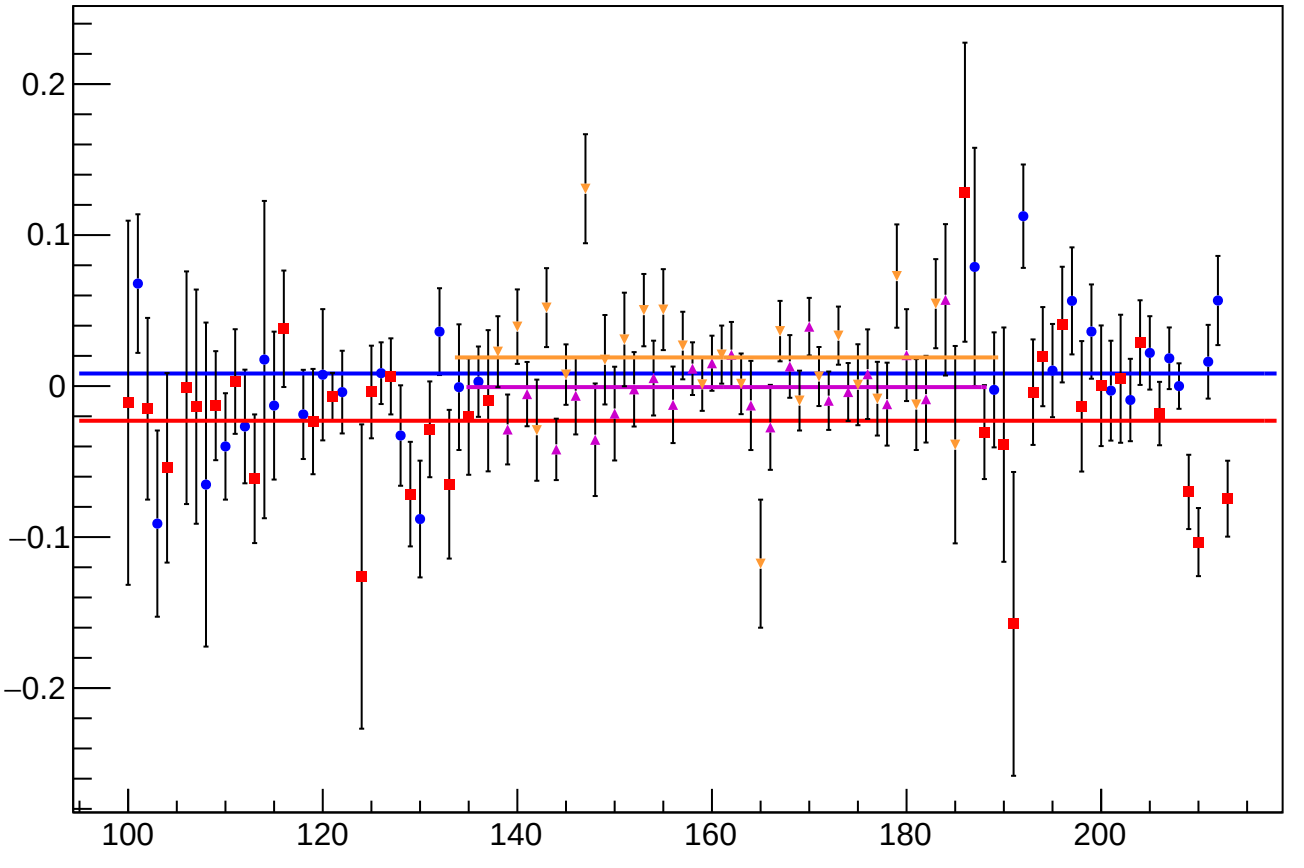
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 22.203+/-0.003 χ^2/NDF: 7554618.6/62

In: 20.899+/-0.003 χ^2/NDF:4264439.5/51

Out: 21.631+/-0.003 χ^2/NDF:6121242.8/58

All: 21.262+/-0.002 χ^2/NDF: 10424231.5/110



Right In: 0.008+/-0.006 χ^2/NDF: 34.5/28

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

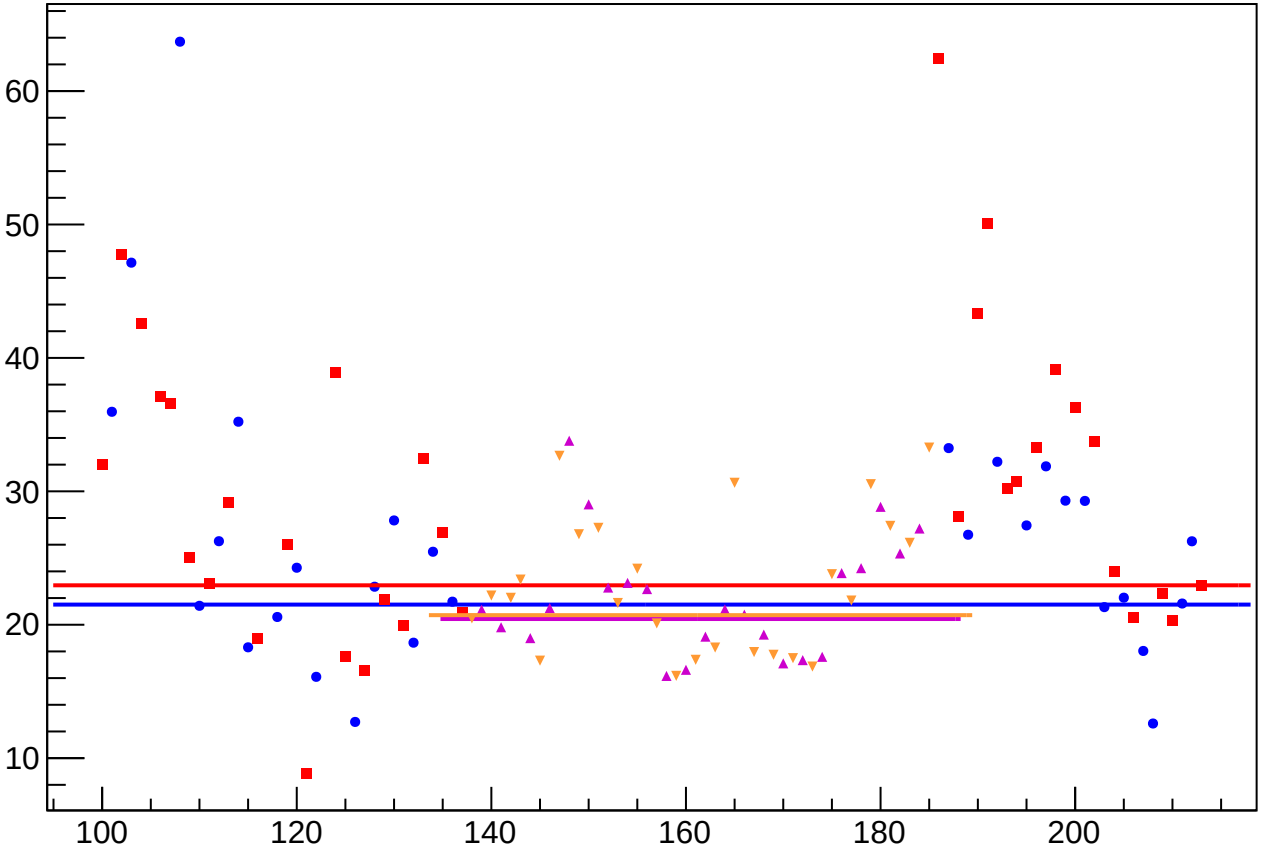
Right: -0.007+/-0.004 χ^2/NDF: 94.1/62

In: 0.003+/-0.004 χ^2/NDF:53.6/51

Out: 0.002+/-0.004 χ^2/NDF:116.2/58

All: 0.003+/-0.003 χ^2/NDF: 169.9/110

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.510+/-0.004 χ^2/NDF: 3048752.9/28

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

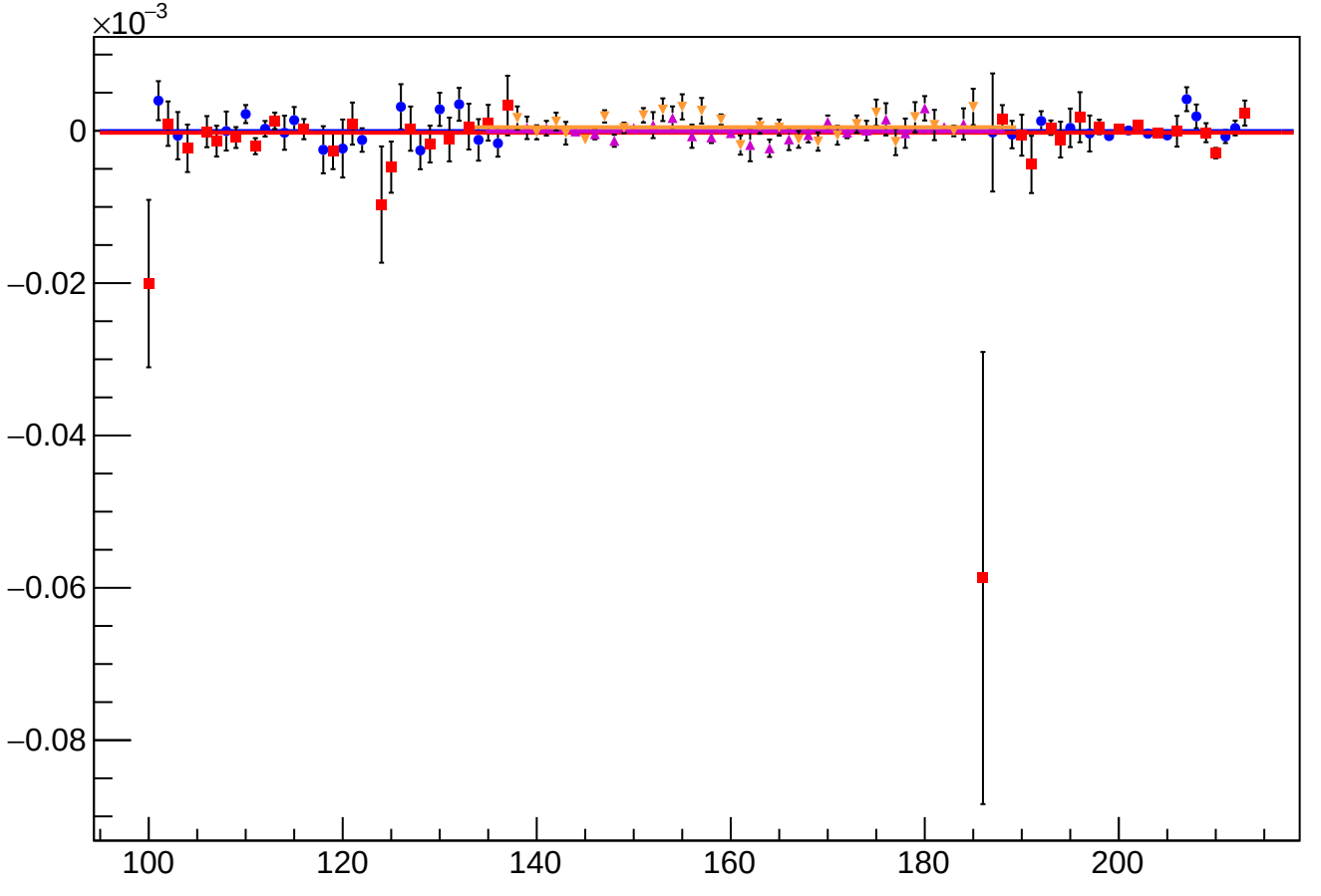
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 22.203+/-0.003 χ^2/NDF: 7554618.6/62

In: 20.899+/-0.003 χ^2/NDF:4264439.5/51

Out: 21.631+/-0.003 χ^2/NDF:6121242.8/58

All: 21.262+/-0.002 χ^2/NDF: 10424231.5/110



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/28

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

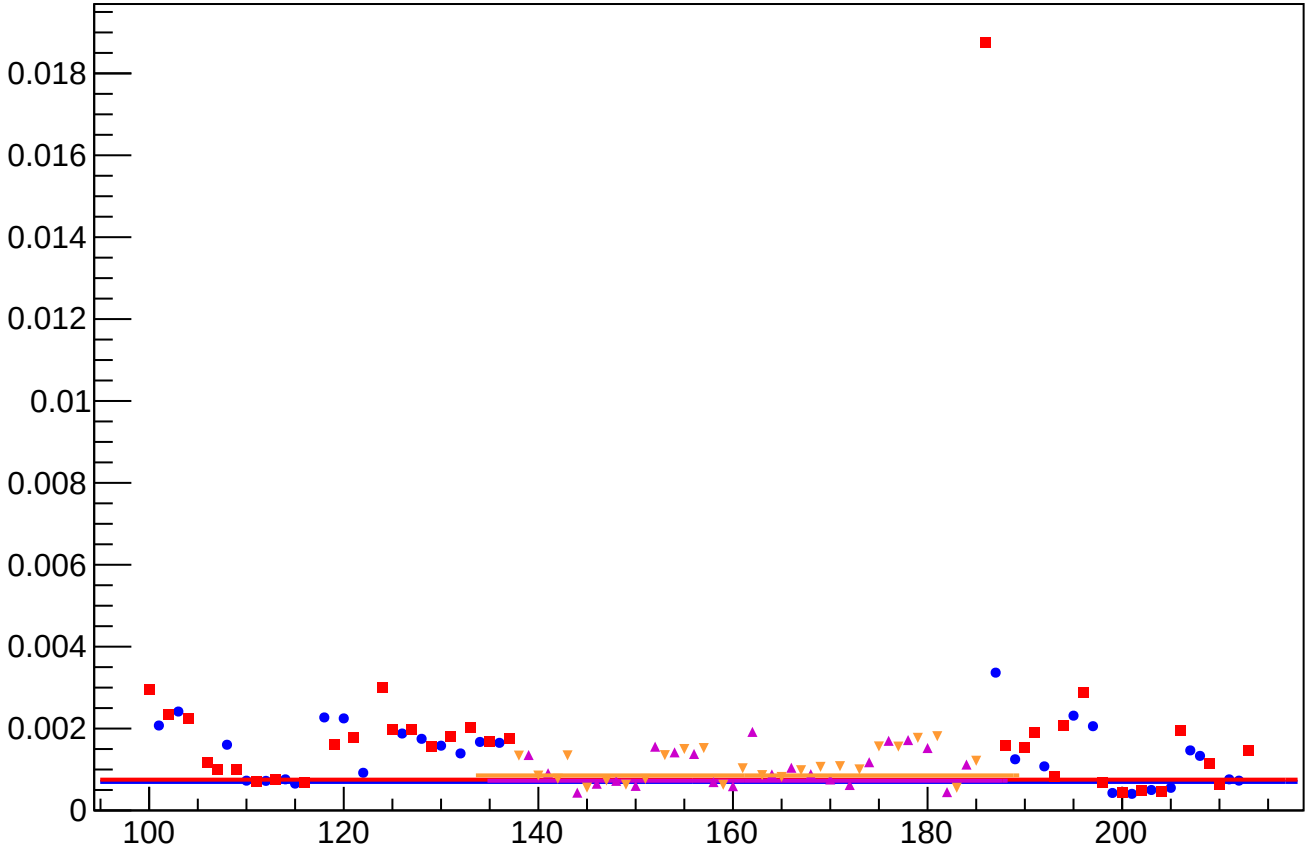
Right: -0.000+/-0.000 χ^2/NDF: 74.9/62

In: -0.000+/-0.000 χ^2/NDF:49.4/51

Out: 0.000+/-0.000 χ^2/NDF:86.9/58

All: 0.000+/-0.000 χ^2/NDF: 137.0/110

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9194217.1/28

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

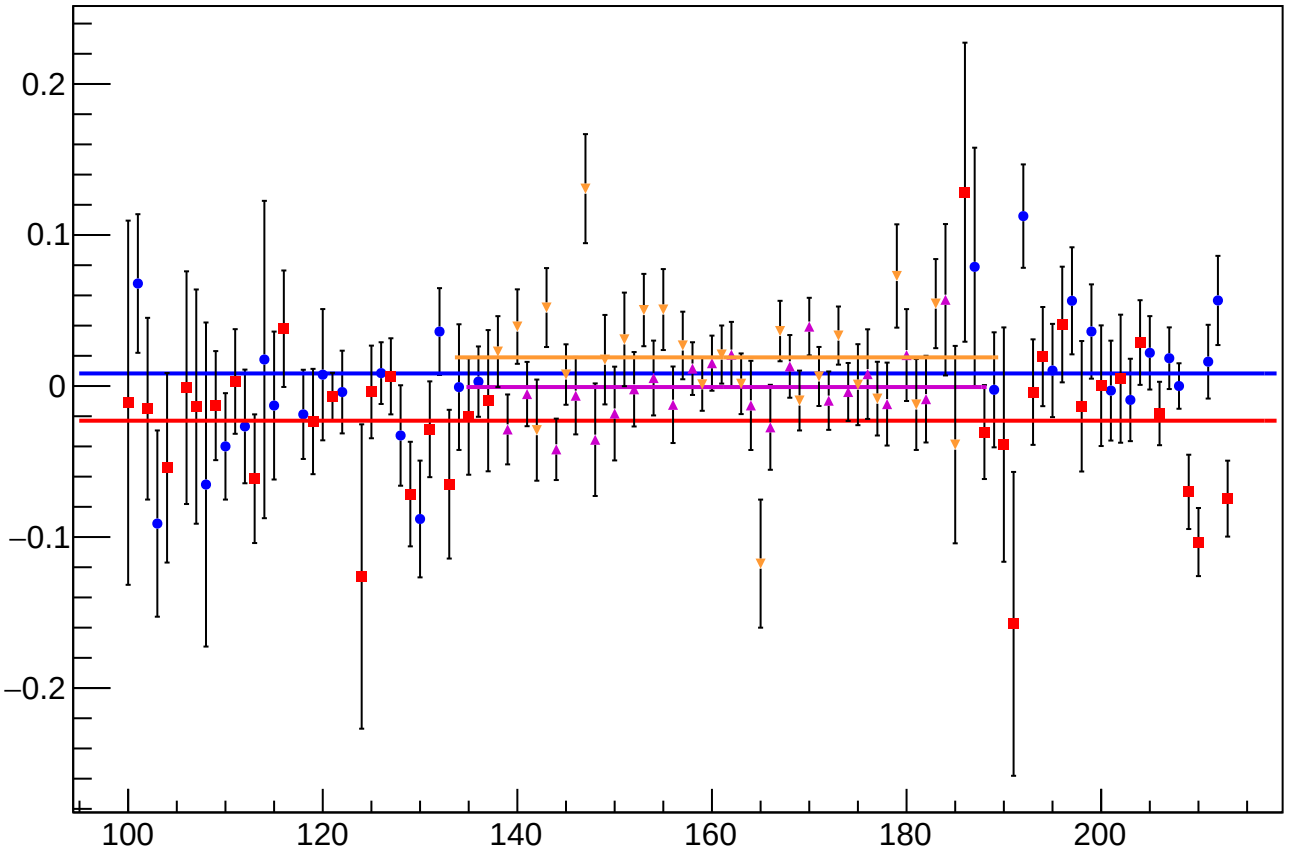
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 19454800.9/62

In: 0.001+/-0.000 χ^2/NDF:15021278.3/51

Out: 0.001+/-0.000 χ^2/NDF:14869238.4/58

All: 0.001+/-0.000 χ^2/NDF: 30300682.7/110



Right In: 0.008+/-0.006 χ^2/NDF: 34.5/28

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

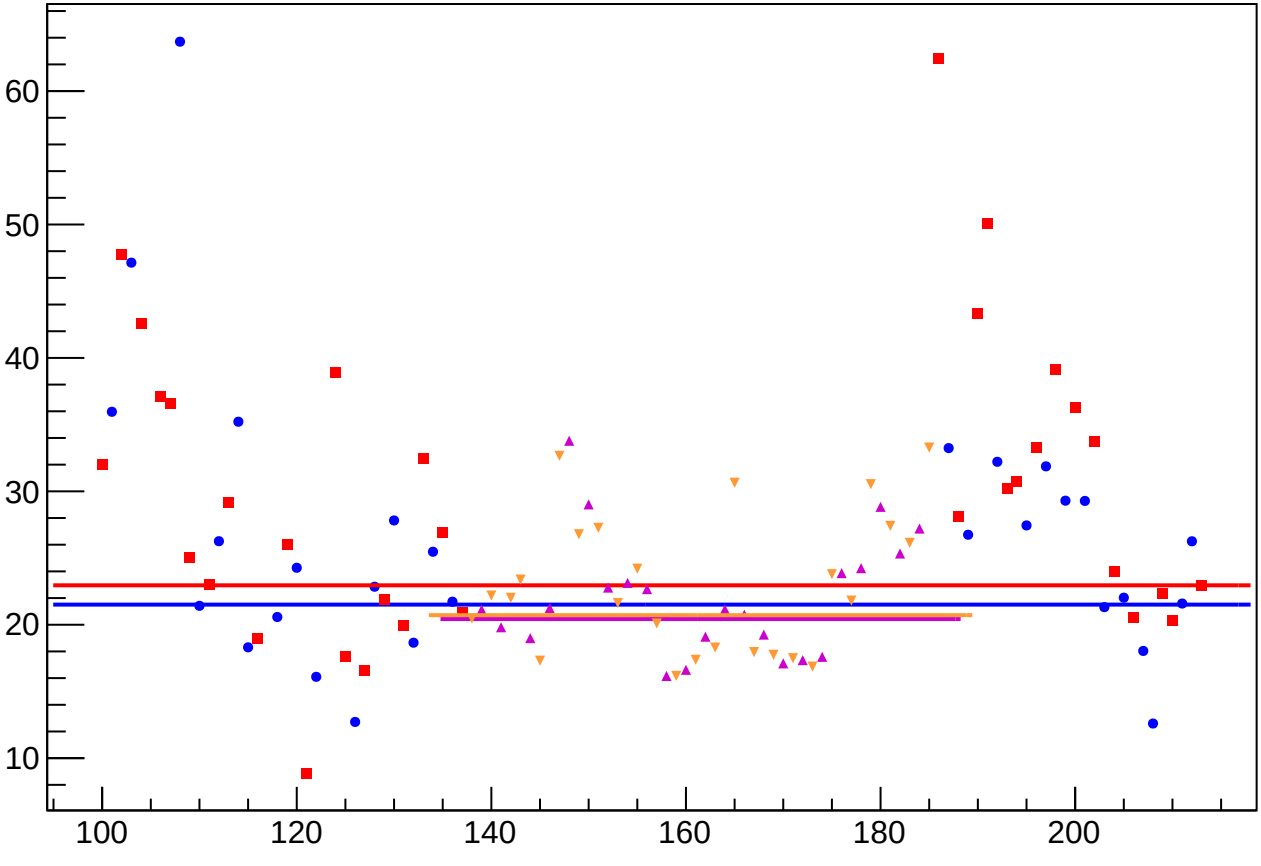
Right: -0.007+/-0.004 χ^2/NDF: 94.1/62

In: 0.003+/-0.004 χ^2/NDF:53.6/51

Out: 0.002+/-0.004 χ^2/NDF:116.2/58

All: 0.003+/-0.003 χ^2/NDF: 169.9/110

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.510+/-0.004 χ^2/NDF: 3048745.8/28

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

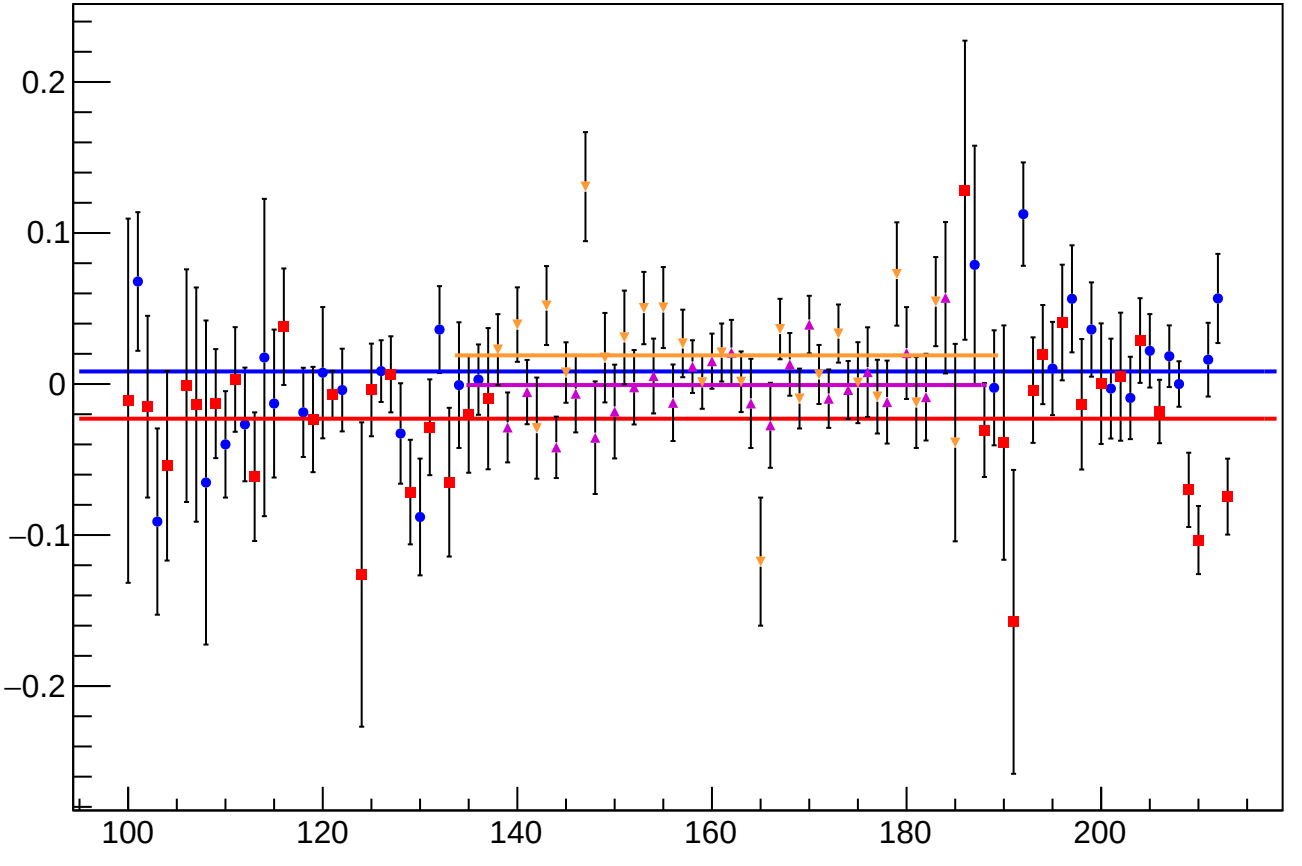
Right: 22.203+/-0.003 χ^2/NDF: 7554078.9/62

In: 20.899+/-0.003 χ^2/NDF:4264479.0/51

Out: 21.631+/-0.003 χ^2/NDF:6120851.8/58

All: 21.262+/-0.002 χ^2/NDF: 10423891.1/110

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.006 χ^2/NDF: 34.5/28

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

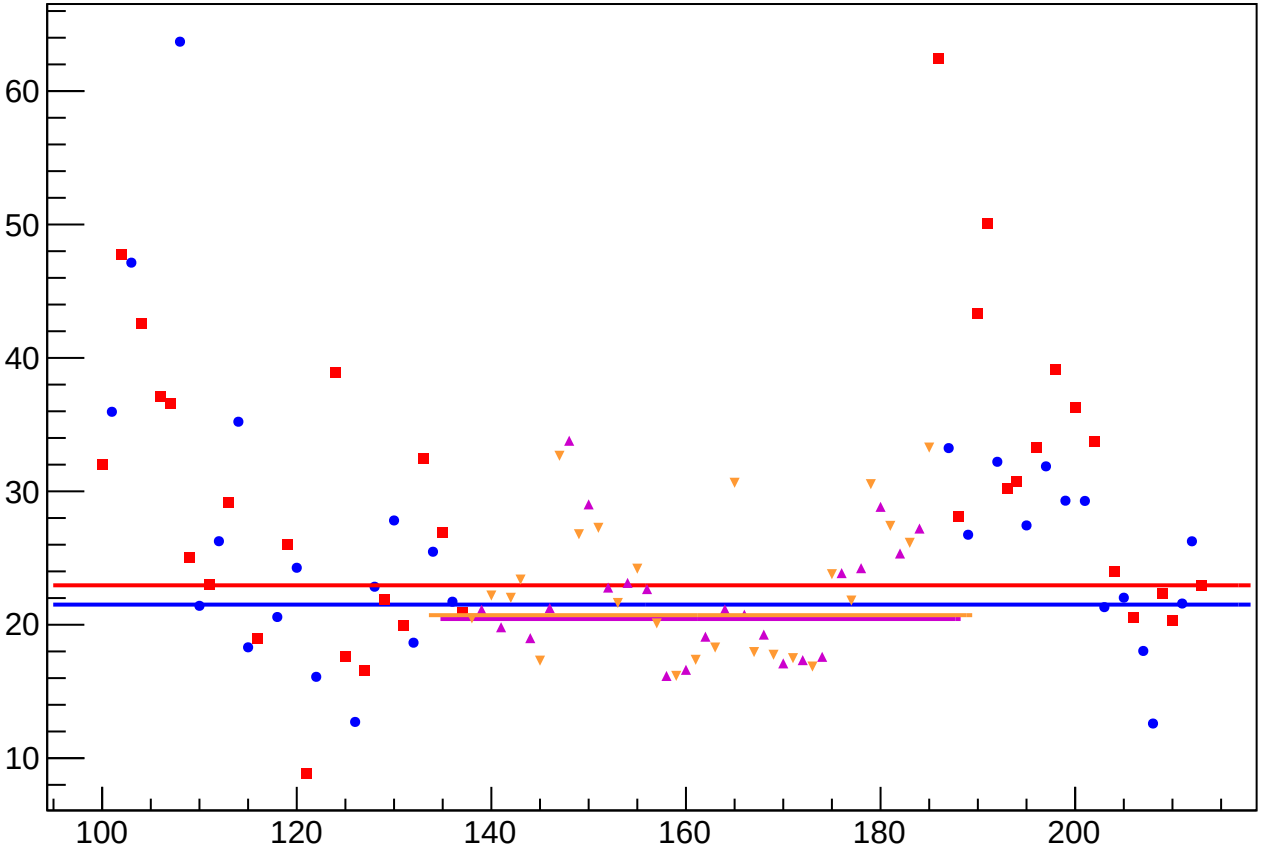
Right: -0.007+/-0.004 χ^2/NDF: 94.1/62

In: 0.003+/-0.004 χ^2/NDF:53.6/51

Out: 0.002+/-0.004 χ^2/NDF:116.2/58

All: 0.003+/-0.003 χ^2/NDF: 169.9/110

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.510+/-0.004 χ^2/NDF: 3048745.8/28

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

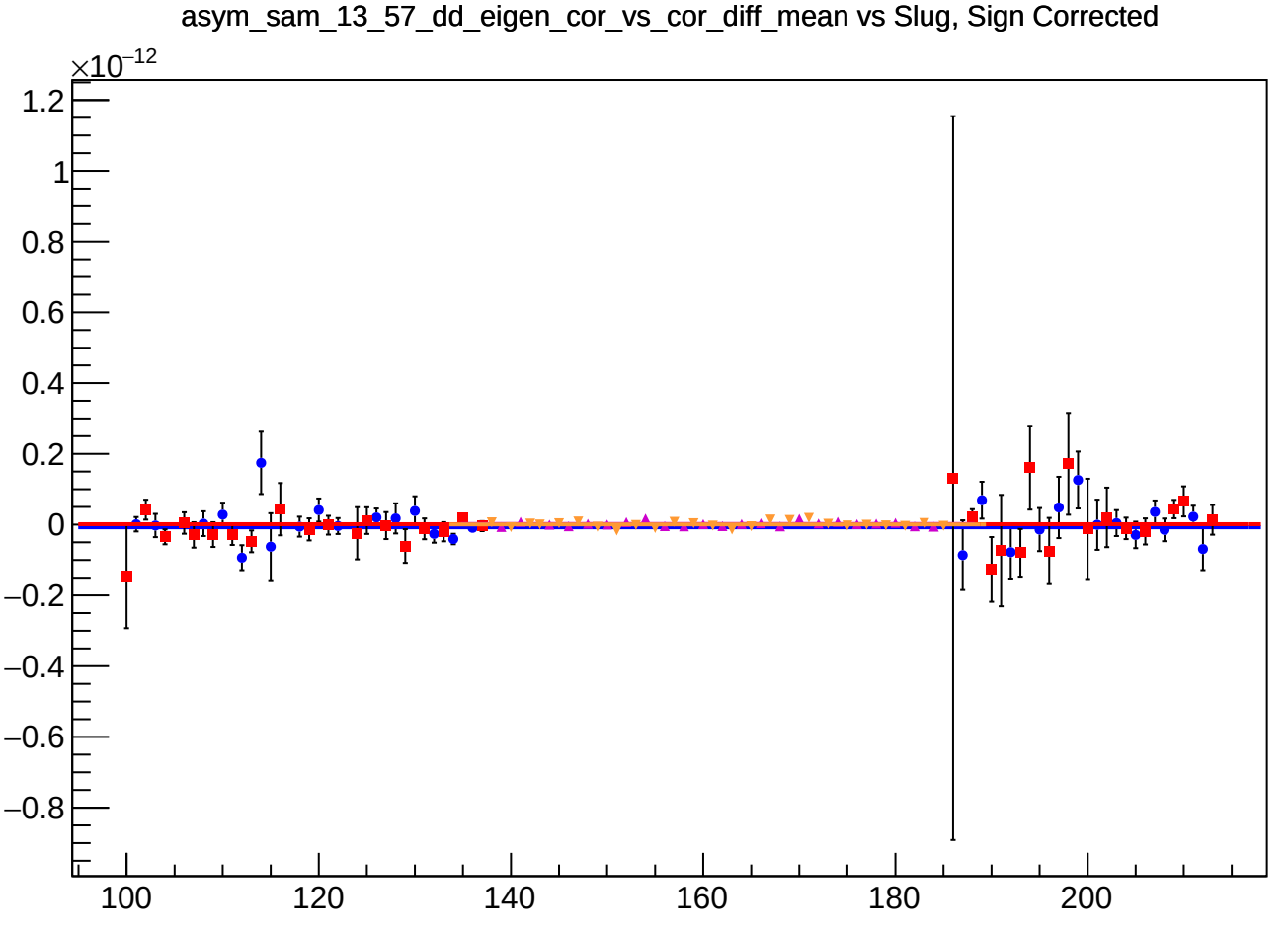
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 22.203+/-0.003 χ^2/NDF: 7554078.9/62

In: 20.899+/-0.003 χ^2/NDF:4264479.0/51

Out: 21.631+/-0.003 χ^2/NDF:6120851.8/58

All: 21.262+/-0.002 χ^2/NDF: 10423891.1/110



Right In: -0.000+/-0.000 χ^2/NDF: 33.8/28

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

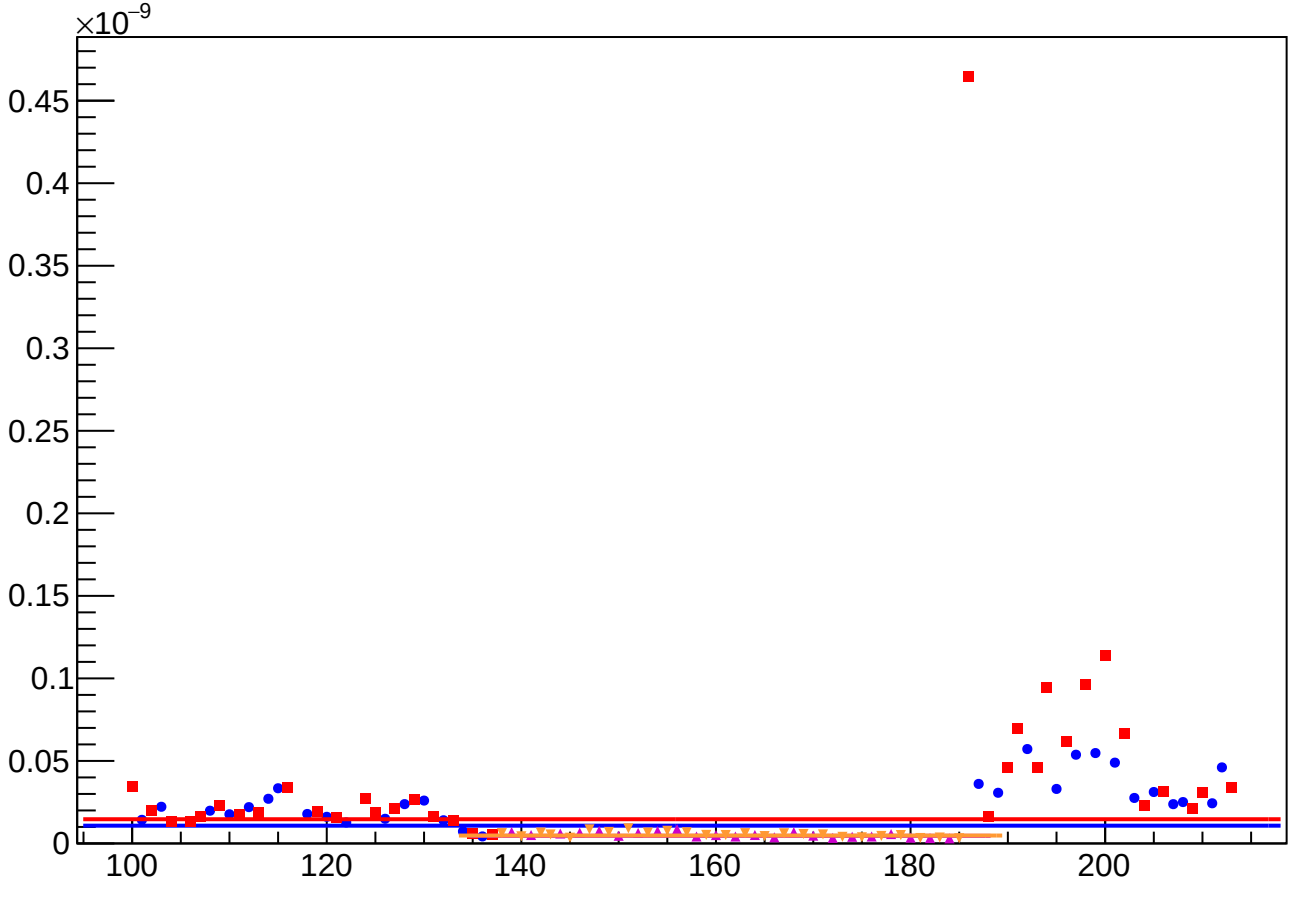
Right: -0.000+/-0.000 χ^2/NDF: 66.7/62

In: 0.000+/-0.000 χ^2/NDF:58.7/51

Out: 0.000+/-0.000 χ^2/NDF:60.2/58

All: 0.000+/-0.000 χ^2/NDF: 118.9/110

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10289378.5/28

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

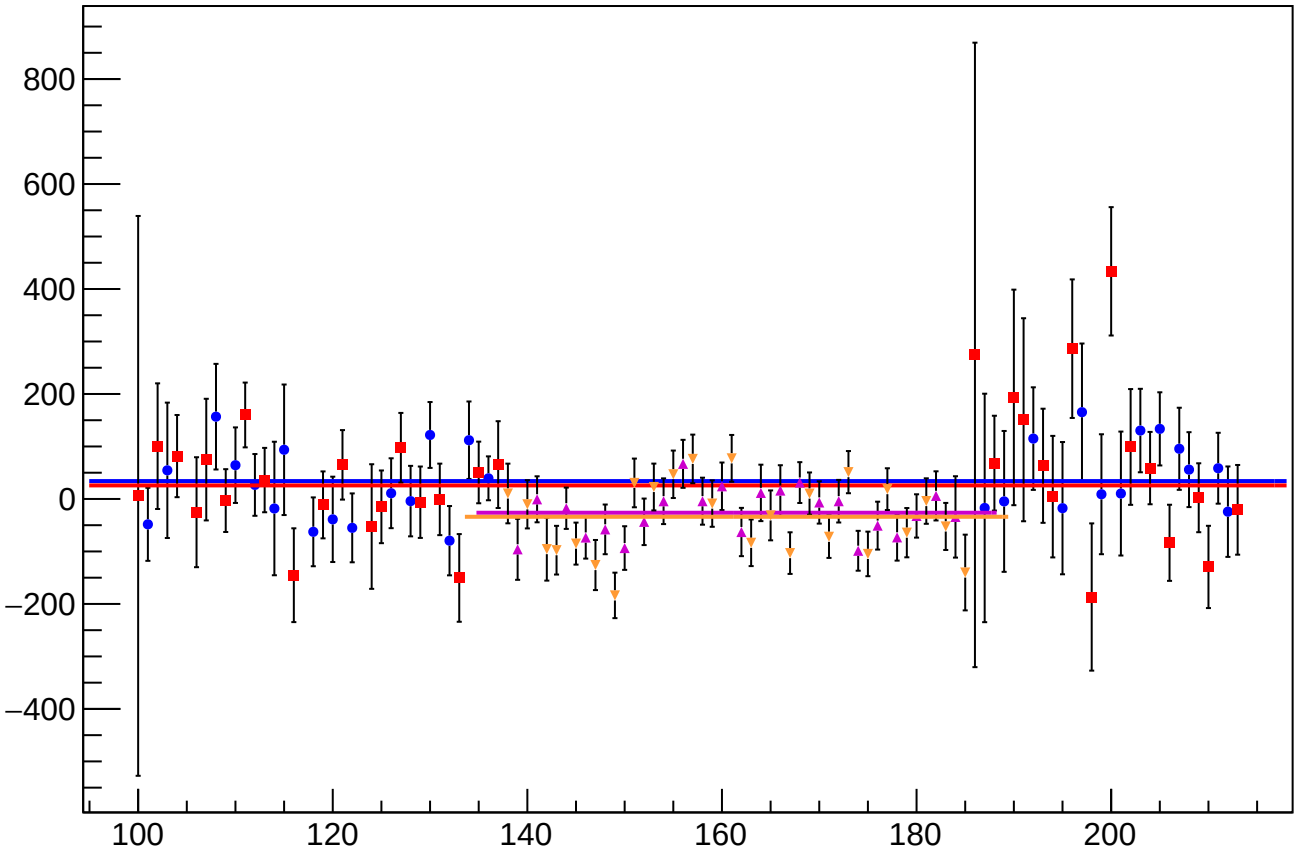
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 20672025.8/62

In: 0.000+/-0.000 χ^2/NDF:16042197.1/51

Out: 0.000+/-0.000 χ^2/NDF:18789779.1/58

All: 0.000+/-0.000 χ^2/NDF: 34868681.0/110



Right In: 34.063+/-14.425 χ^2/NDF: 21.7/28

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

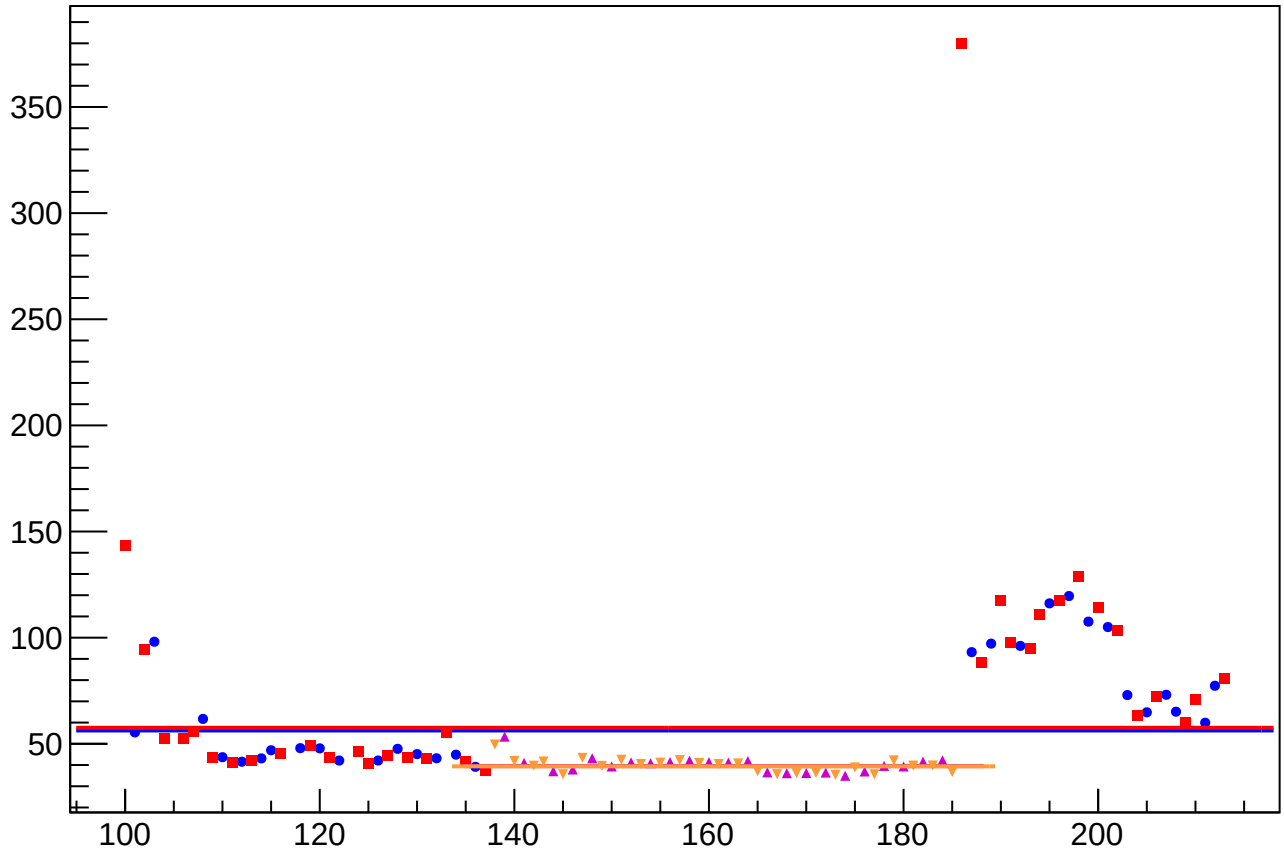
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 29.922+/-10.176 χ^2/NDF: 66.0/62

In: -8.630+/-7.799 χ^2/NDF:56.6/51

Out: -17.109+/-7.621 χ^2/NDF:115.3/58

All: -12.967+/-5.451 χ^2/NDF: 172.4/110



Right In: 56.294+/-0.010 χ^2/NDF: 3838061.6/28

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

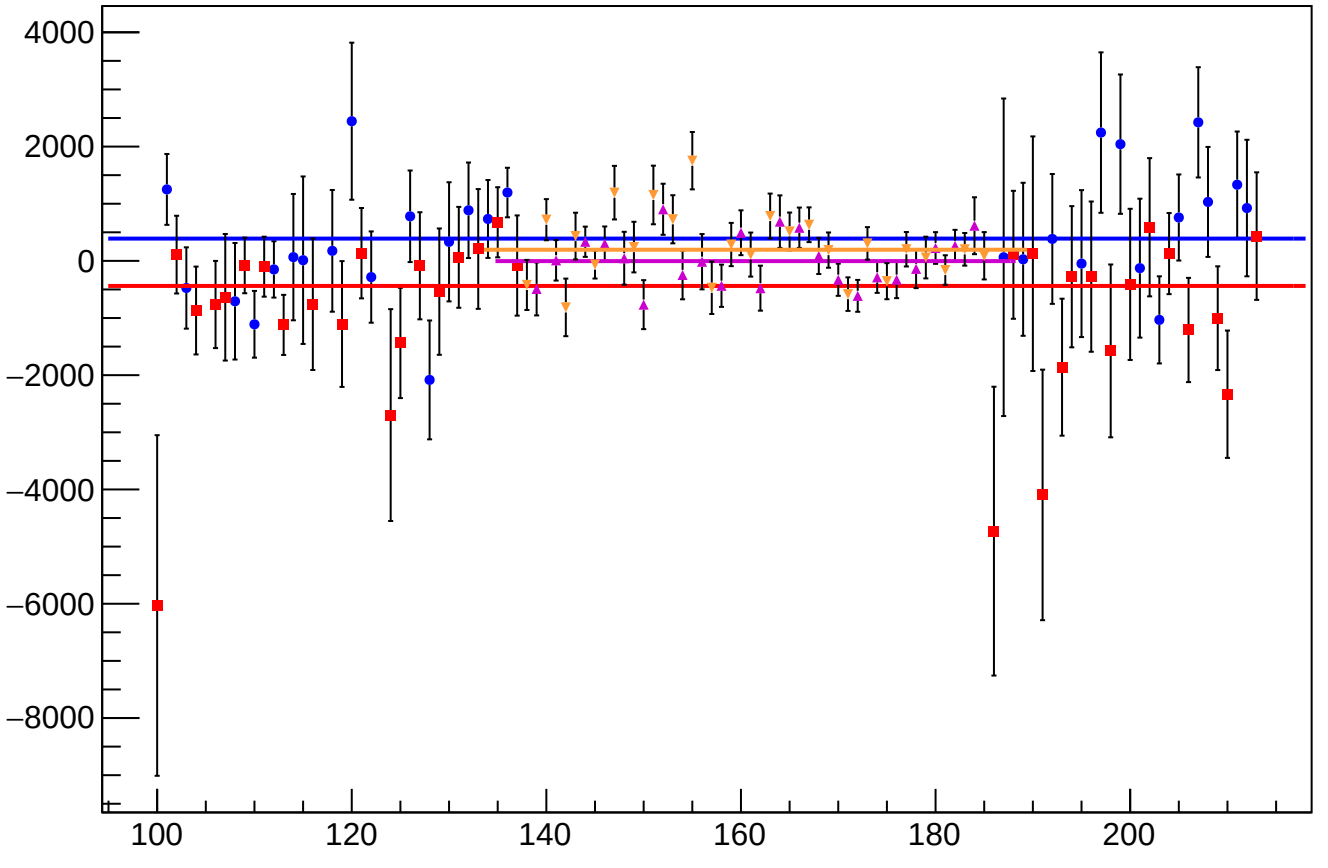
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 56.920+/-0.007 χ^2/NDF: 9041139.1/62

In: 44.403+/-0.006 χ^2/NDF:6010255.7/51

Out: 44.500+/-0.005 χ^2/NDF:7722056.6/58

All: 44.453+/-0.004 χ^2/NDF: 13732470.4/110



Right In: 390.037+/-157.003 χ^2/NDF: 39.3/28

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -438.426+/-154.922 χ^2/NDF: 29.1/33

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

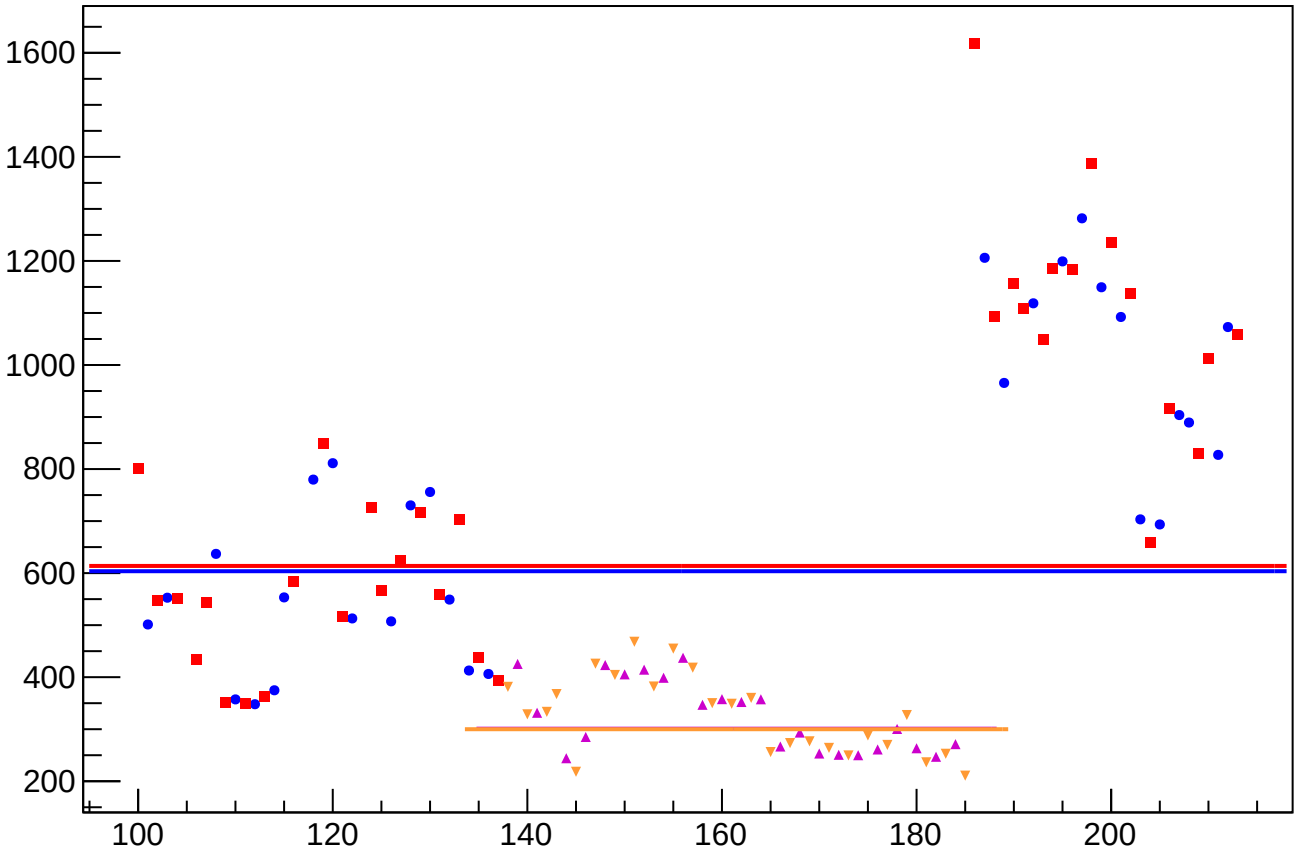
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -29.721+/-110.275 χ^2/NDF: 82.5/62

In: 64.426+/-65.432 χ^2/NDF:76.8/51

Out: 87.393+/-63.861 χ^2/NDF:91.6/58

All: 76.189+/-45.702 χ^2/NDF: 168.5/110



Right In: 603.661+/-0.111 χ^2/NDF: 4983571.0/28

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

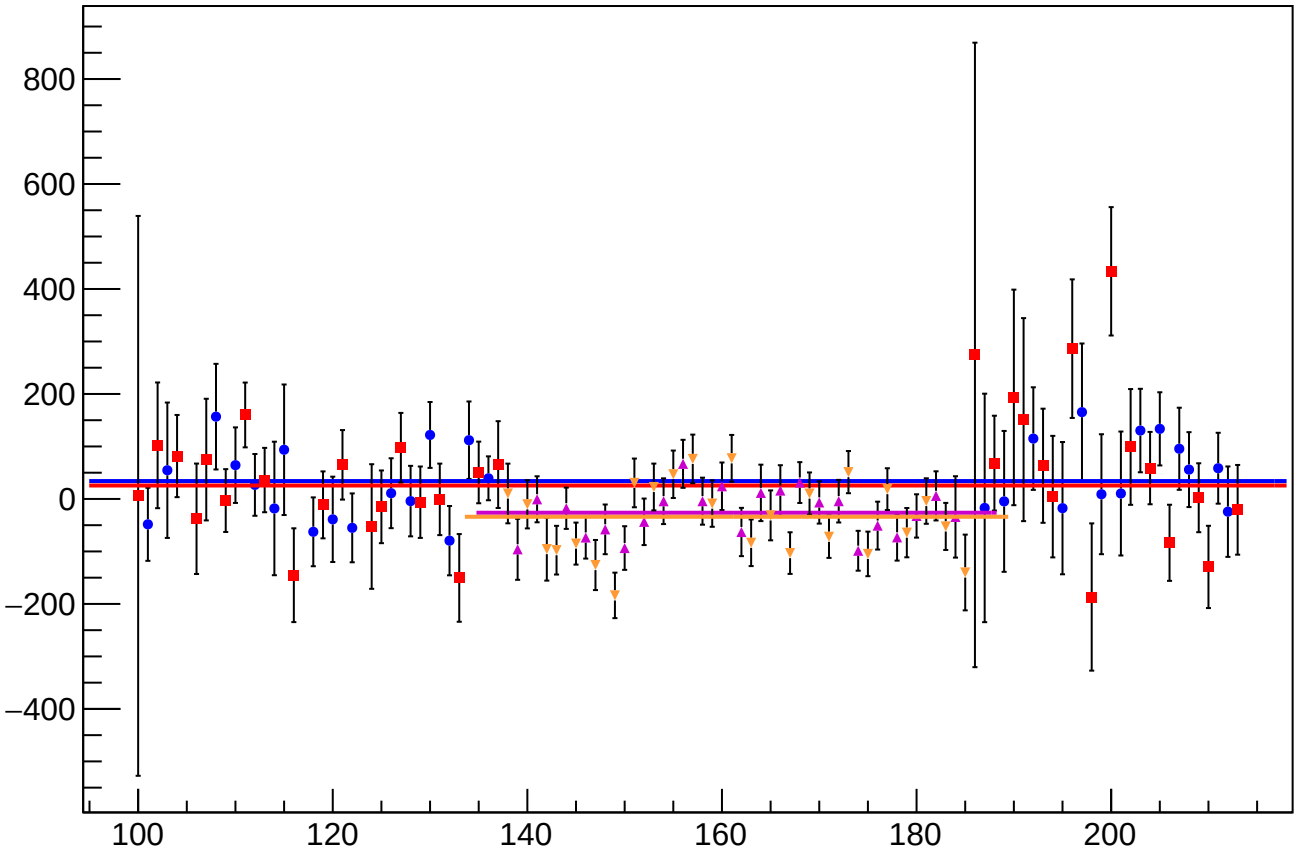
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 608.801+/-0.078 χ^2/NDF: 11403032.3/62

In: 353.568+/-0.046 χ^2/NDF:12532249.7/51

Out: 353.302+/-0.045 χ^2/NDF:15036273.9/58

All: 353.431+/-0.032 χ^2/NDF: 27568540.6/1



Right In: 34.068+/-14.425 χ^2/NDF: 21.7/28

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

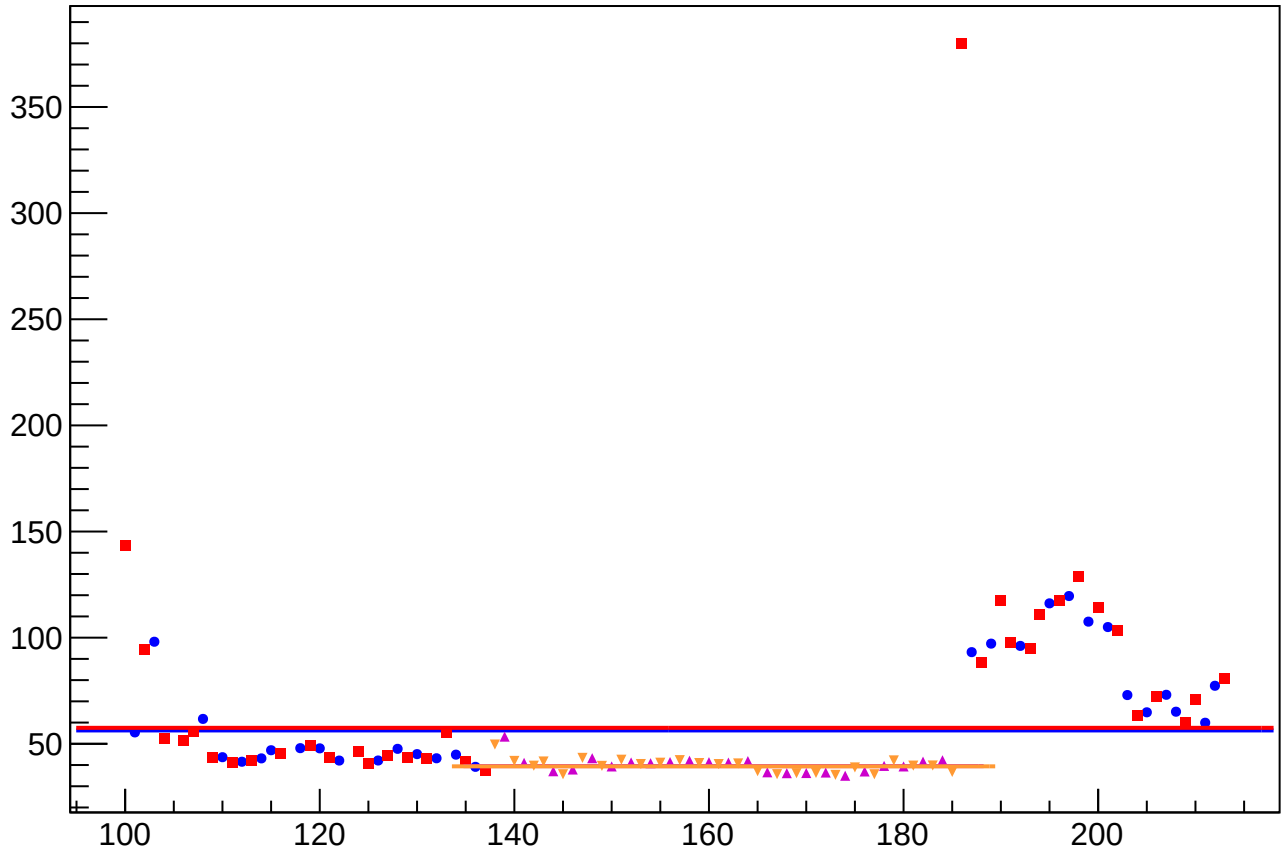
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 29.823+/-10.176 χ^2/NDF: 66.1/62

In: -8.629+/-7.799 χ^2/NDF:56.6/51

Out: -17.168+/-7.622 χ^2/NDF:115.3/58

All: -12.997+/-5.451 χ^2/NDF: 172.5/110



Right In: 56.294+/-0.010 χ^2/NDF: 3838064.6/28

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

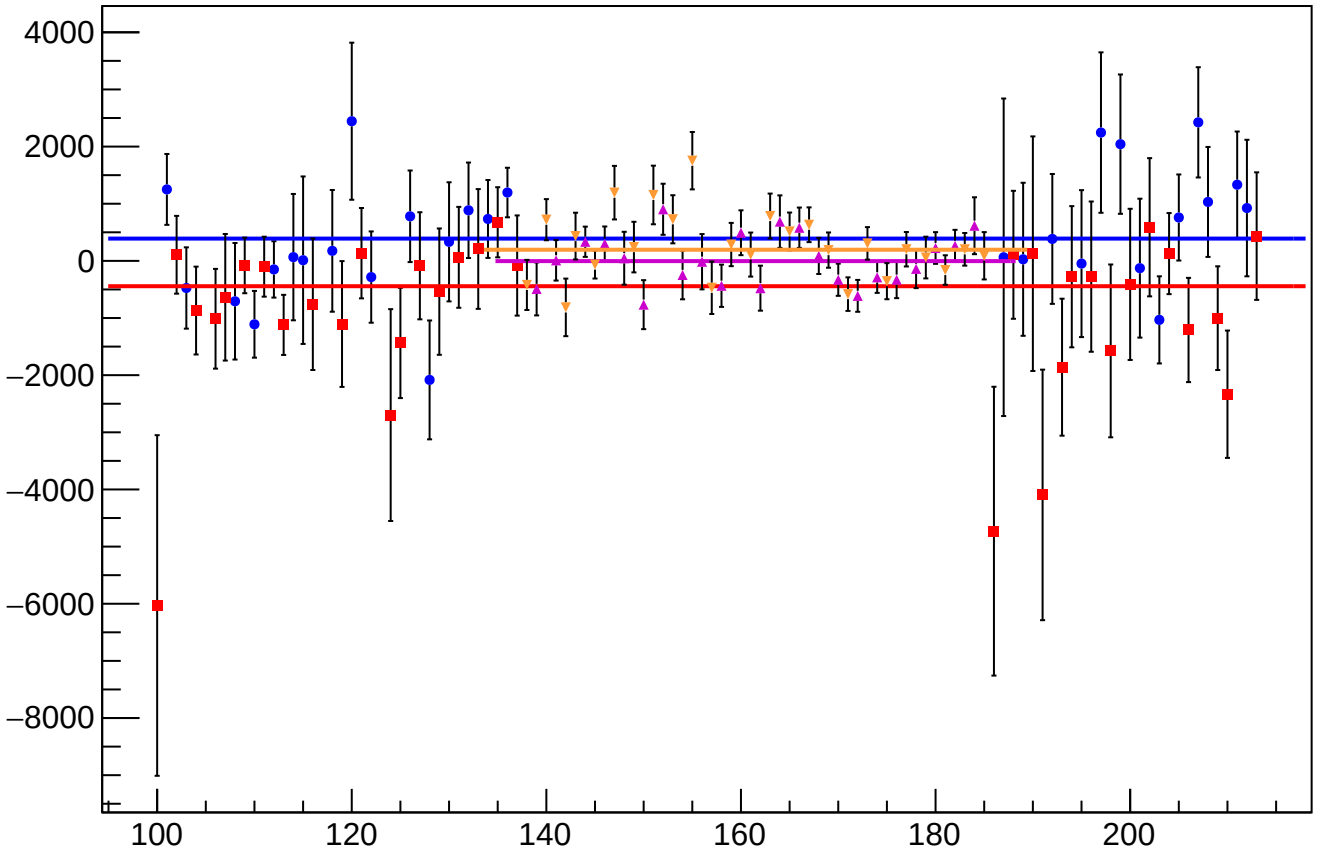
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 56.913+/-0.007 χ^2/NDF: 9042761.7/62

In: 44.403+/-0.006 χ^2/NDF:6010258.7/51

Out: 44.495+/-0.005 χ^2/NDF:7719941.8/58

All: 44.450+/-0.004 χ^2/NDF: 13730343.7/110



Right In: 390.041+/-157.004 χ^2/NDF: 39.3/28

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

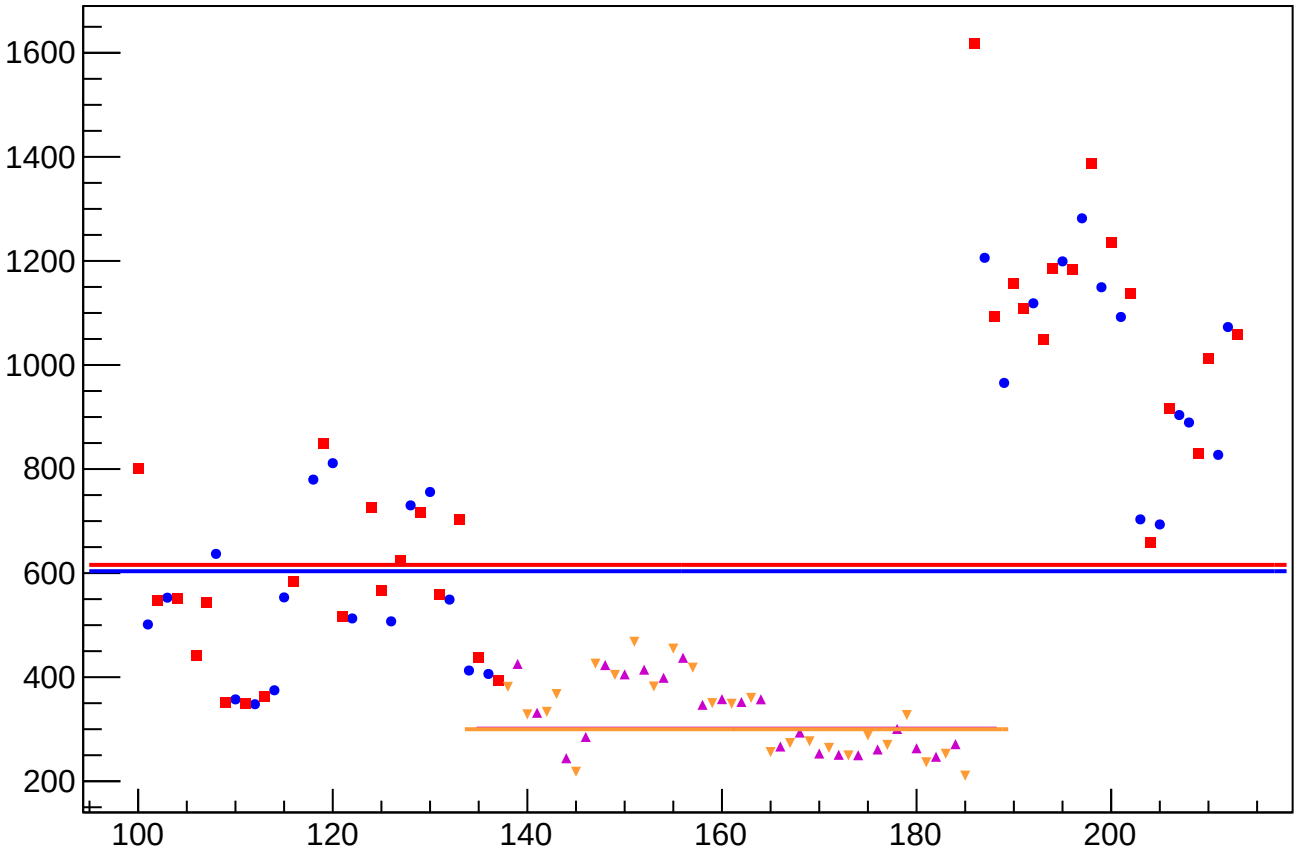
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -30.164+/-110.551 χ^2/NDF: 82.8/62

In: 64.427+/-65.432 χ^2/NDF:76.8/51

Out: 87.441+/-63.914 χ^2/NDF:92.0/58

All: 76.204+/-45.721 χ^2/NDF: 168.8/110



Right In: 603.664+/-0.111 χ^2/NDF: 4983557.6/28

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

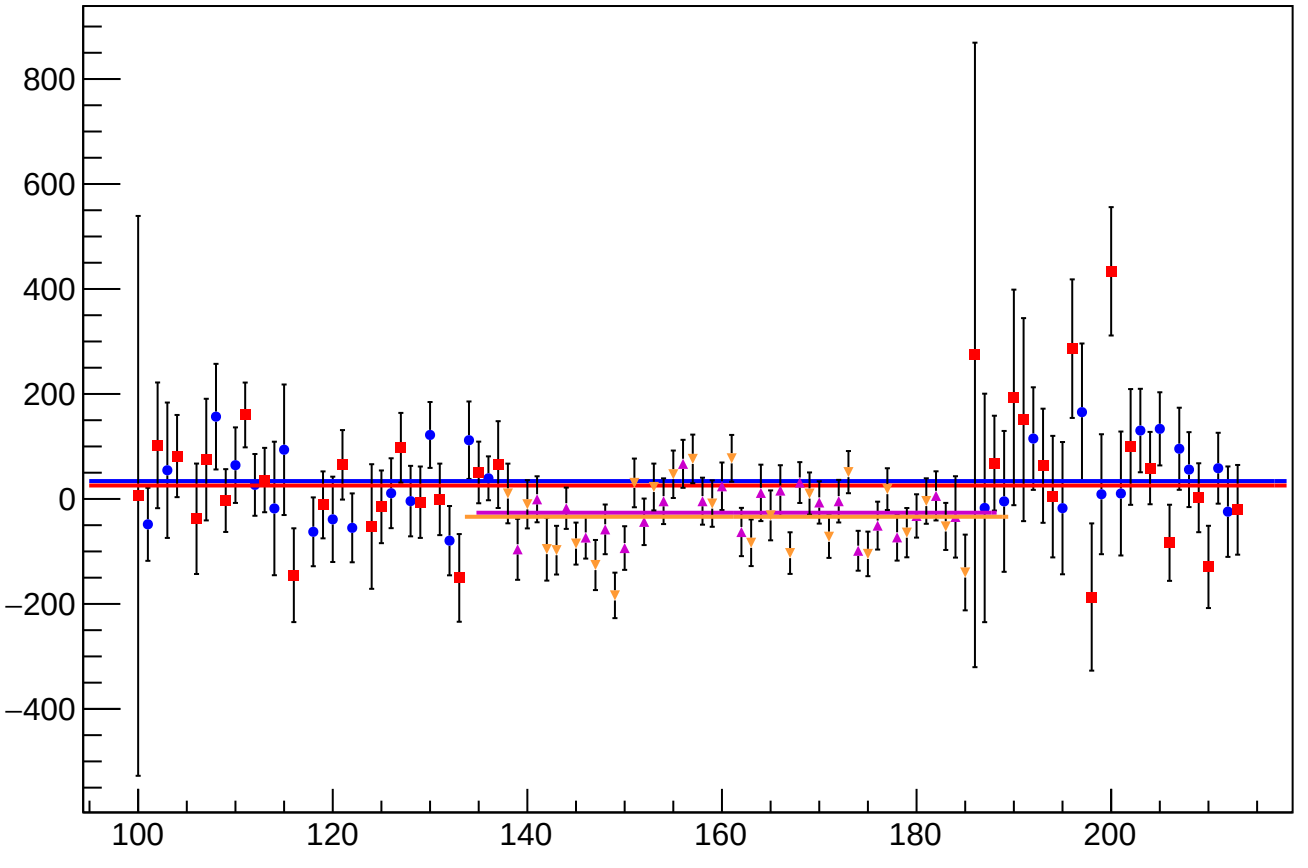
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 609.800+/-0.078 χ^2/NDF: 11371259.7/62

In: 353.568+/-0.046 χ^2/NDF:12532311.8/51

Out: 353.208+/-0.045 χ^2/NDF:15034612.9/58

All: 353.383+/-0.032 χ^2/NDF: 27566955.6/1



Right In: 34.068+/-14.425 χ^2/NDF: 21.7/28

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

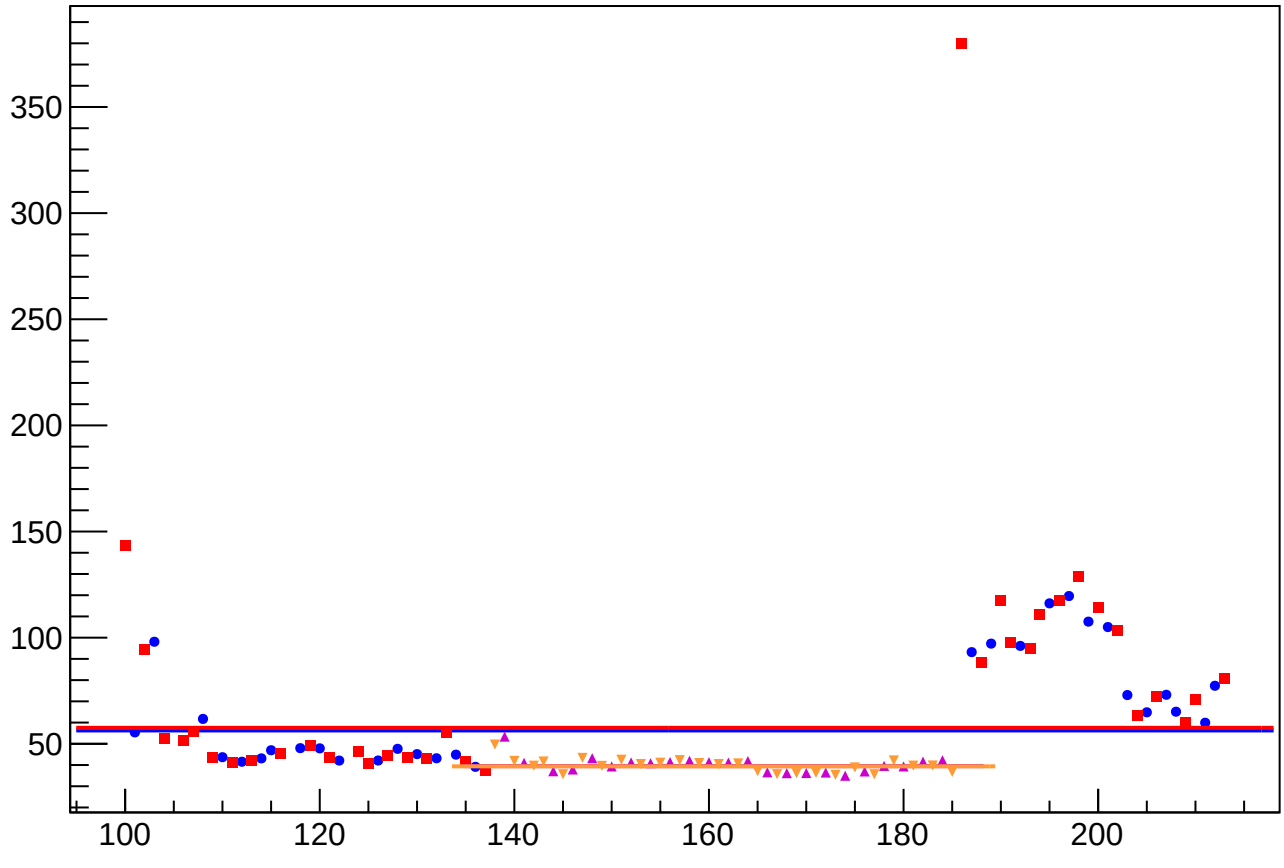
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 29.823+/-10.176 χ^2/NDF: 66.1/62

In: -8.629+/-7.799 χ^2/NDF:56.6/51

Out: -17.168+/-7.622 χ^2/NDF:115.3/58

All: -12.997+/-5.451 χ^2/NDF: 172.5/110



Right In: 56.294+/-0.010 χ^2/NDF: 3838064.6/28

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

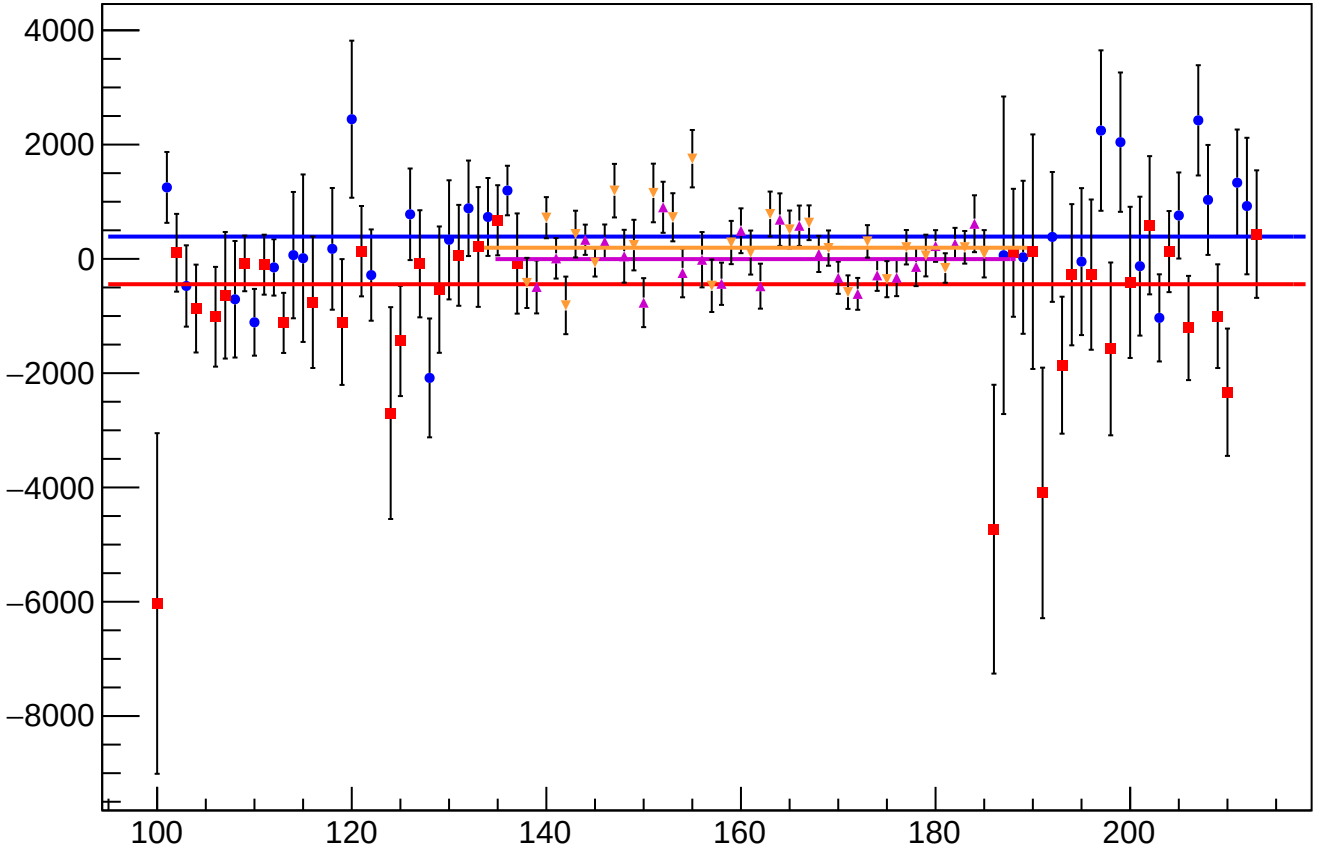
Right: 56.913+/-0.007 χ^2/NDF: 9042761.7/62

In: 44.403+/-0.006 χ^2/NDF:6010258.7/51

Out: 44.495+/-0.005 χ^2/NDF:7719941.8/58

All: 44.450+/-0.004 χ^2/NDF: 13730343.7/110

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 390.041+/-157.004 χ^2/NDF: 39.3/28

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

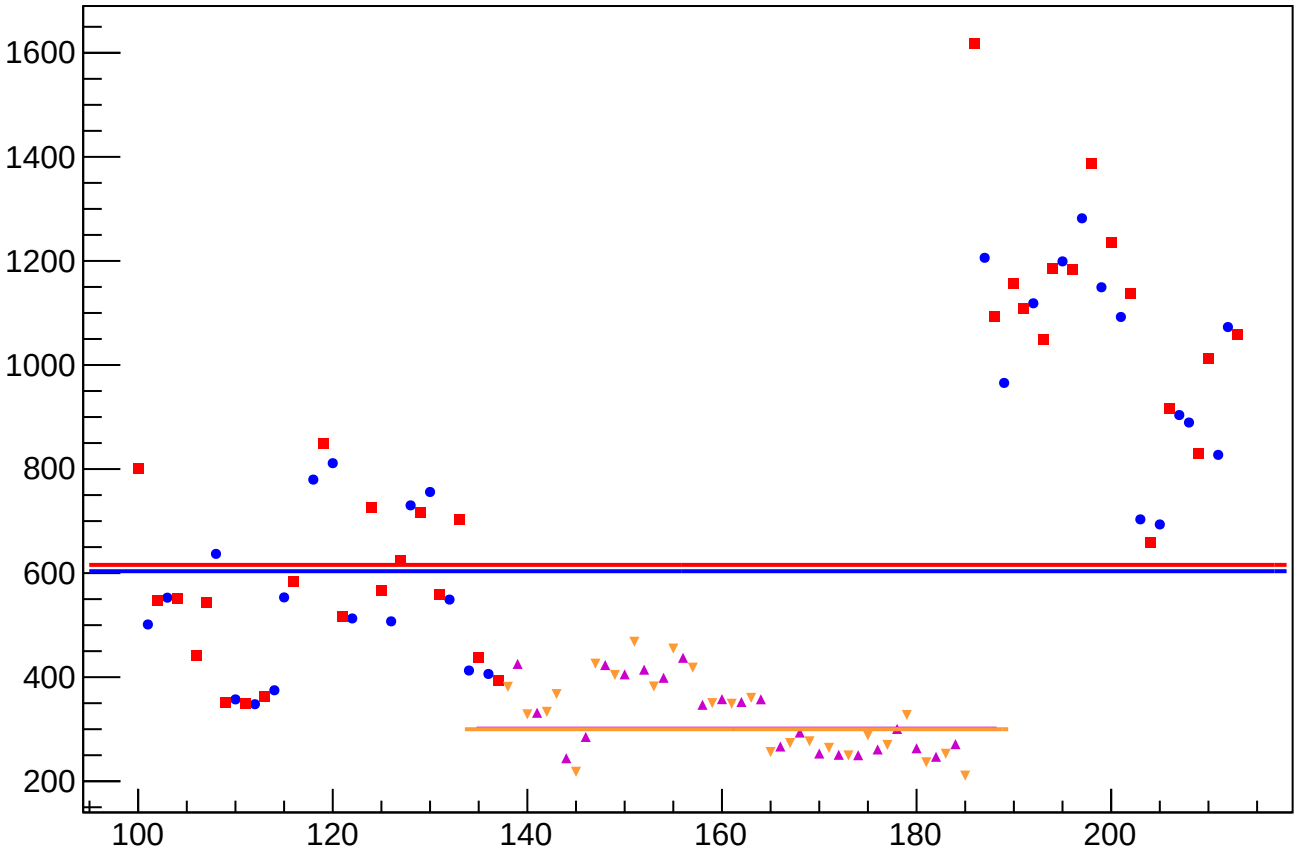
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -30.164+/-110.551 χ^2/NDF: 82.8/62

In: 64.427+/-65.432 χ^2/NDF:76.8/51

Out: 87.441+/-63.914 χ^2/NDF:92.0/58

All: 76.204+/-45.721 χ^2/NDF: 168.8/110



Right In: 603.664+/-0.111 χ^2/NDF: 4983557.6/28

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

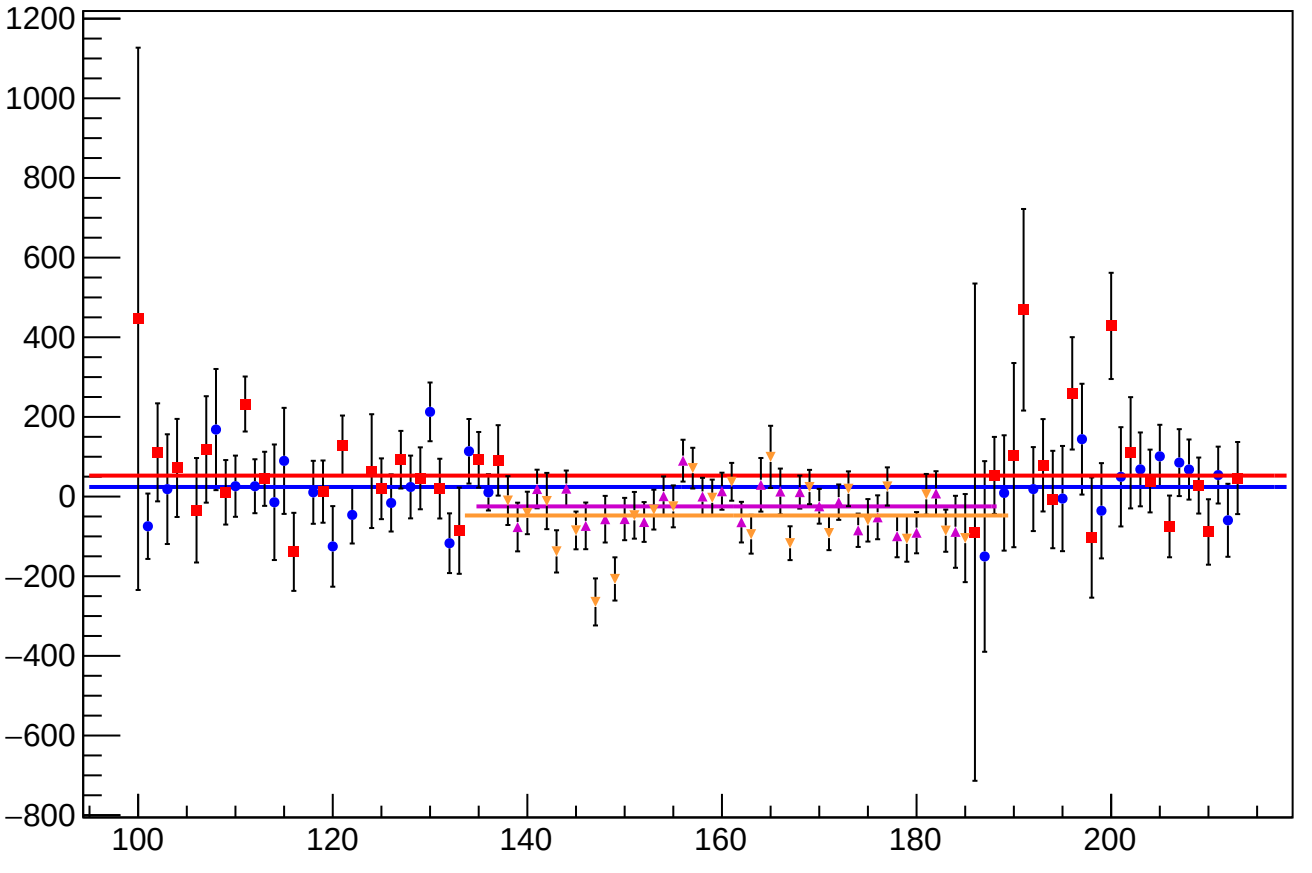
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 609.800+/-0.078 χ^2/NDF: 11371259.7/62

In: 353.568+/-0.046 χ^2/NDF:12532311.8/51

Out: 353.208+/-0.045 χ^2/NDF:15034612.9/58

All: 353.383+/-0.032 χ^2/NDF: 27566955.6/1



Right In: 24.081+/-16.127 χ^2/NDF: 22.2/28

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

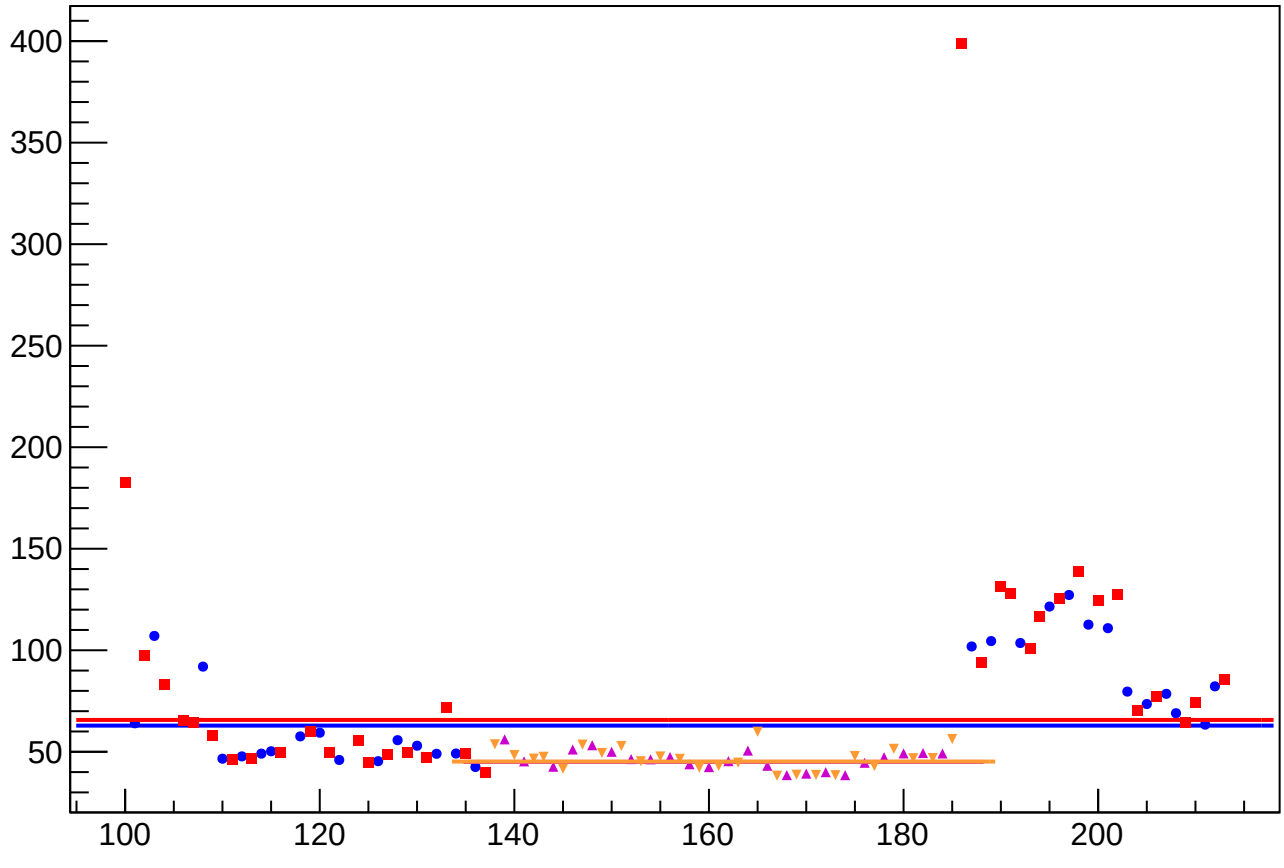
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 38.140+/-11.490 χ^2/NDF: 60.2/62

In: -9.859+/-8.893 χ^2/NDF:48.3/51

Out: -18.736+/-8.774 χ^2/NDF:117.8/58

All: -14.357+/-6.246 χ^2/NDF: 166.6/110



Right In: 62.892+/-0.011 χ^2/NDF: 3577991.0/28

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

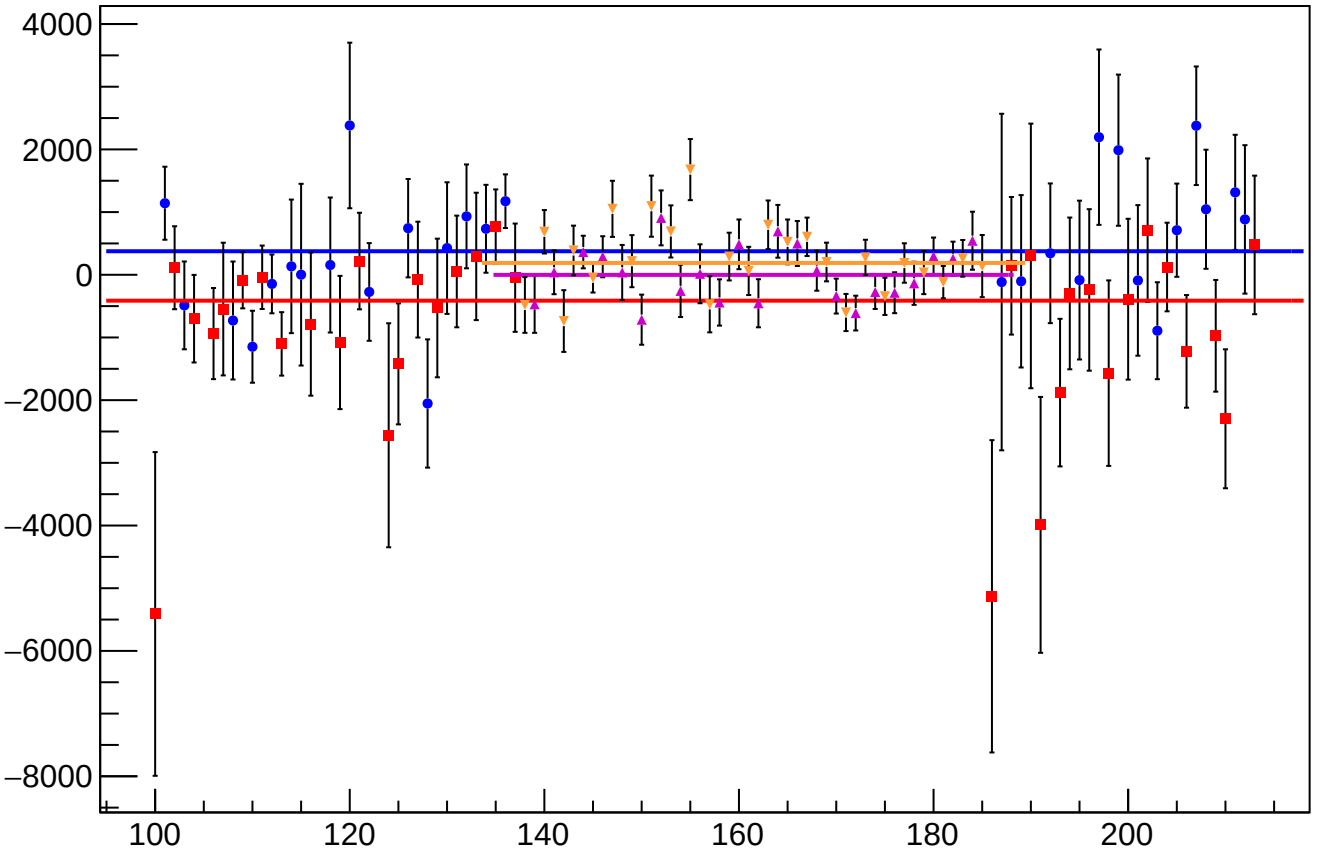
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 64.269+/-0.008 χ^2/NDF: 8435491.5/62

In: 50.452+/-0.006 χ^2/NDF:5660444.6/51

Out: 51.065+/-0.006 χ^2/NDF:7555203.2/58

All: 50.763+/-0.004 χ^2/NDF: 13220455.9/110



Right In: 375.489+/-154.007 χ^2/NDF: 39.1/28

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

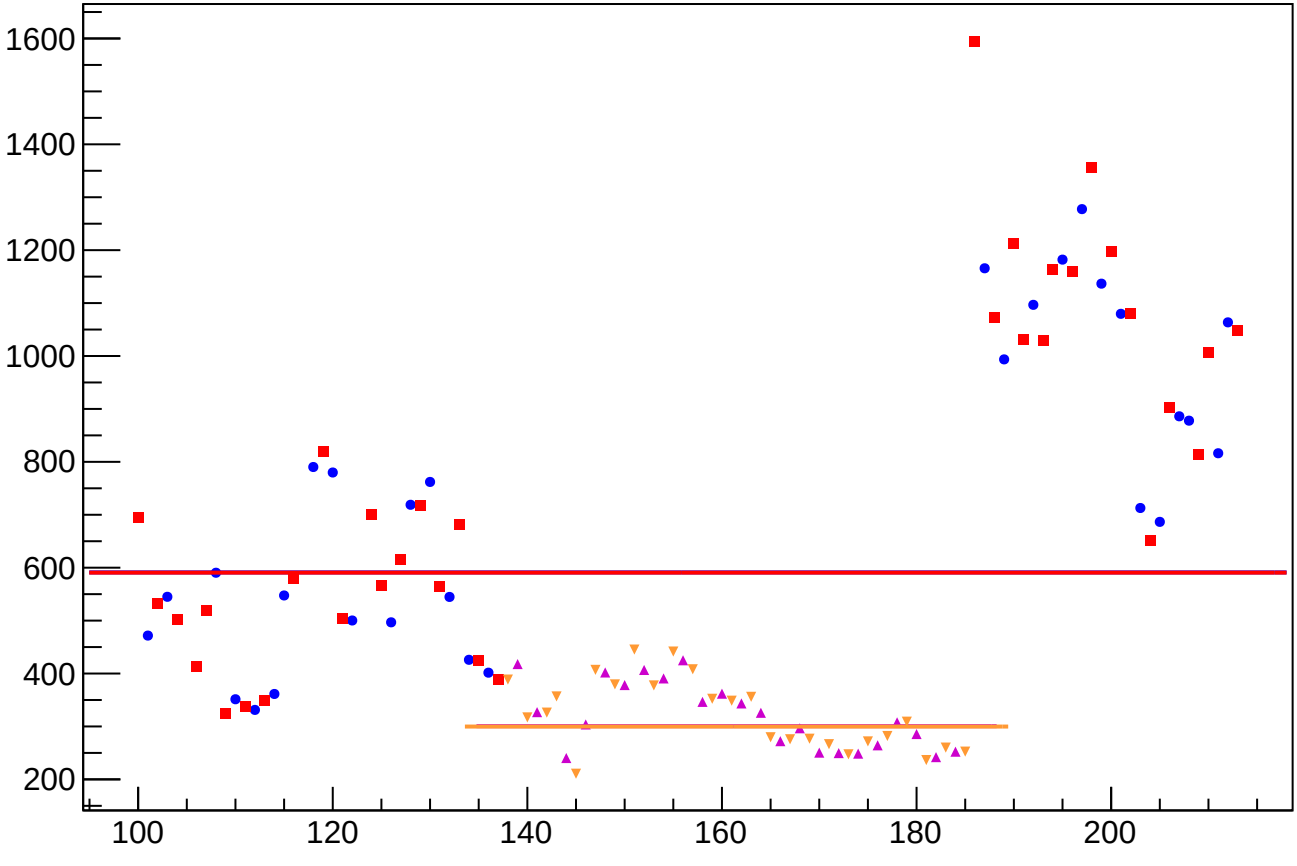
Right: -29.842+/-107.363 χ^2/NDF: 84.8/62

In: 65.548+/-65.010 χ^2/NDF:76.3/51

Out: 81.605+/-63.201 χ^2/NDF:92.3/58

All: 73.803+/-45.316 χ^2/NDF: 168.6/110

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 591.095+/-0.109 χ^2/NDF: 5138478.3/28

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

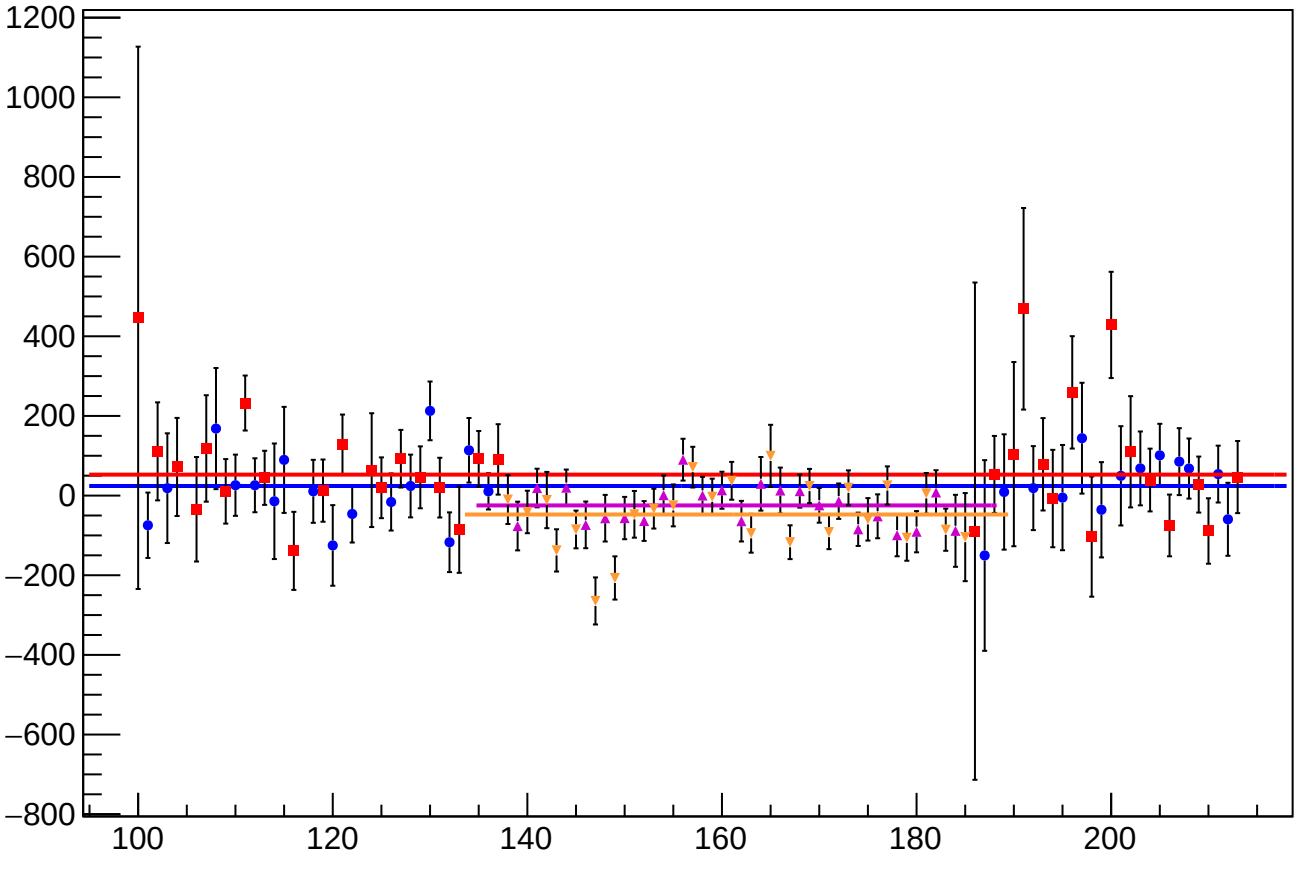
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 590.874+/-0.076 χ^2/NDF: 11862808.2/62

In: 352.317+/-0.046 χ^2/NDF:12247859.3/51

Out: 351.607+/-0.045 χ^2/NDF:14503222.9/58

All: 351.952+/-0.032 χ^2/NDF: 26751204.6/1



Right In: 24.081+/-16.127 χ^2/NDF: 22.2/28

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

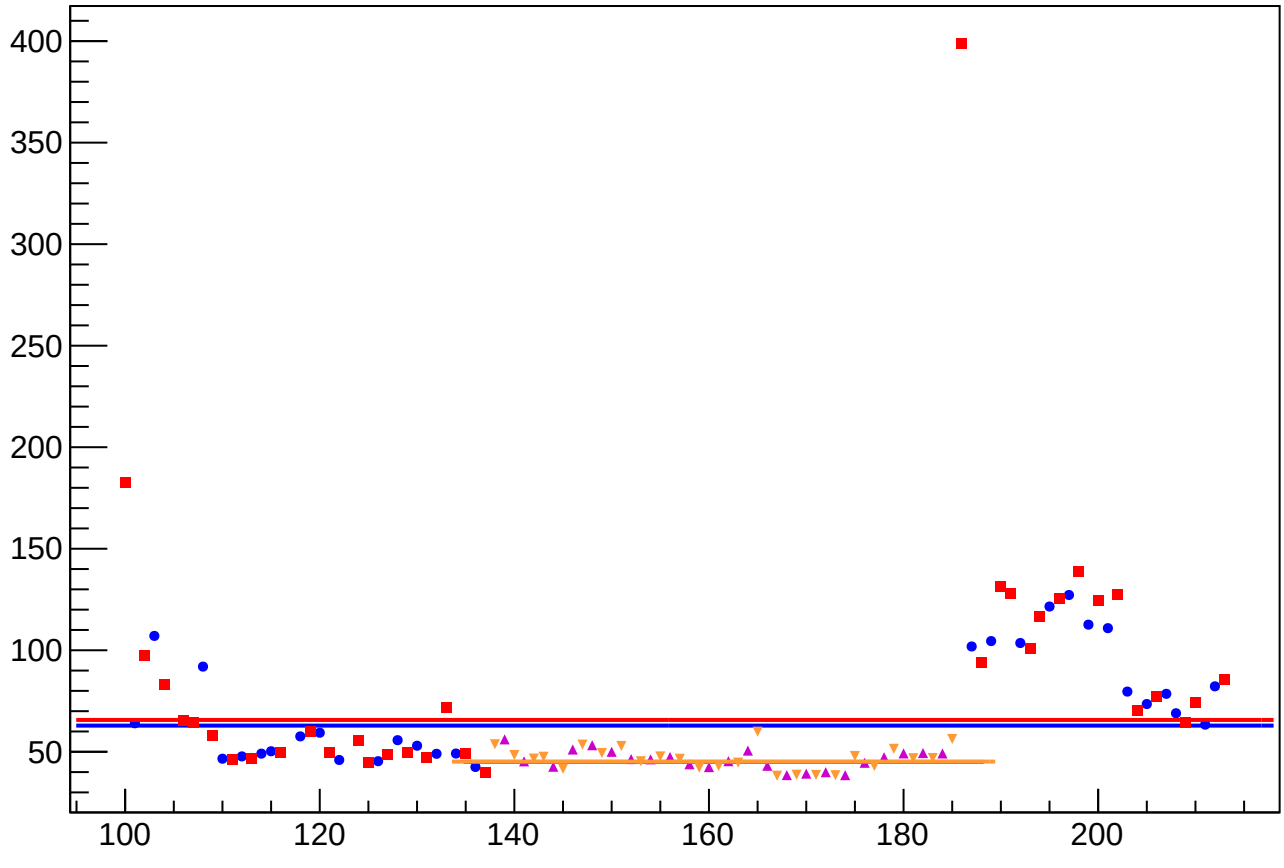
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 38.141+/-11.490 χ^2/NDF: 60.2/62

In: -9.859+/-8.893 χ^2/NDF:48.3/51

Out: -18.736+/-8.774 χ^2/NDF:117.8/58

All: -14.357+/-6.246 χ^2/NDF: 166.6/110



Right In: 62.892+/-0.011 χ^2/NDF: 3577996.0/28

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

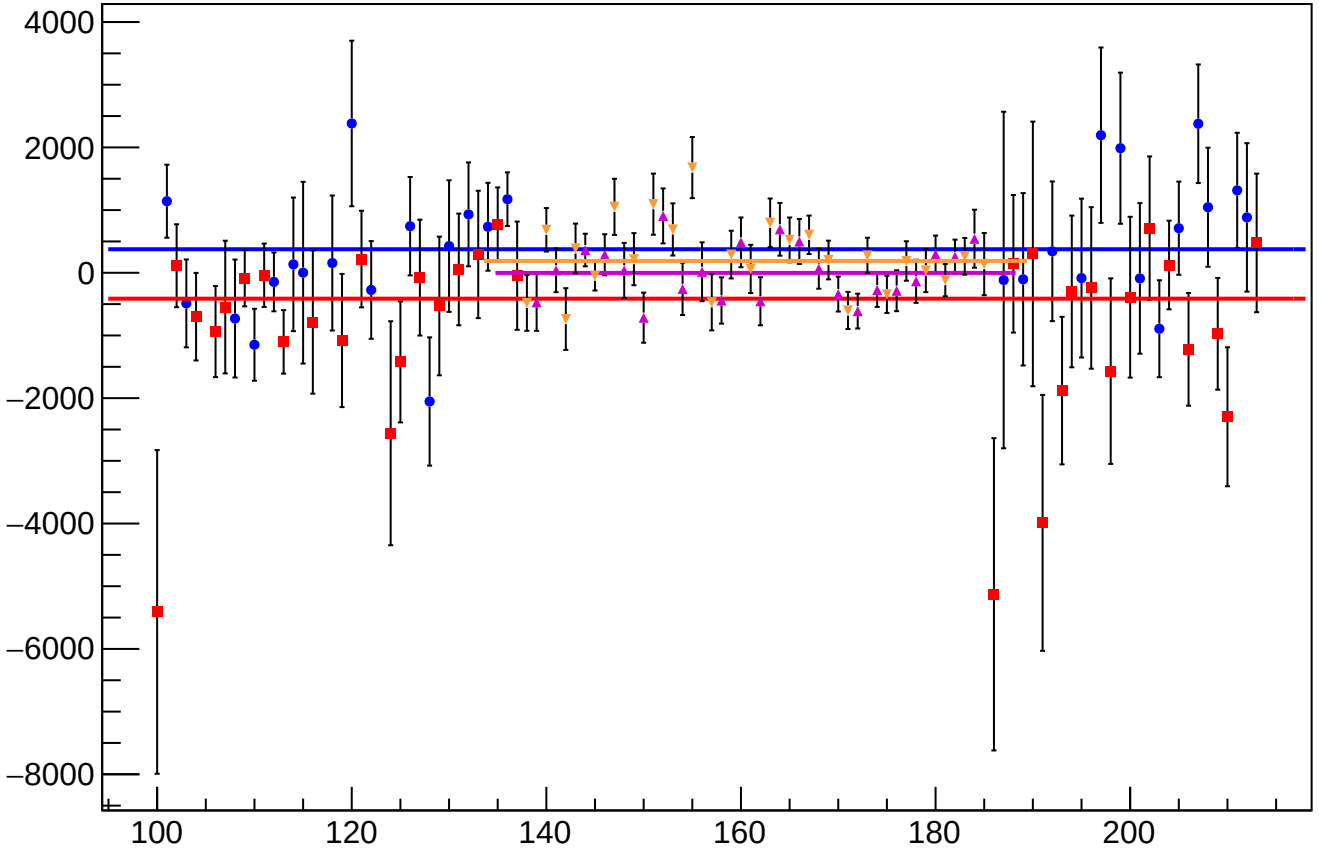
Right: 64.269+/-0.008 χ^2/NDF: 8435500.9/62

In: 50.452+/-0.006 χ^2/NDF:5660443.0/51

Out: 51.065+/-0.006 χ^2/NDF:7555213.7/58

All: 50.763+/-0.004 χ^2/NDF: 13220464.4/110

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 375.487+/-154.007 χ^2/NDF: 39.1/28

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

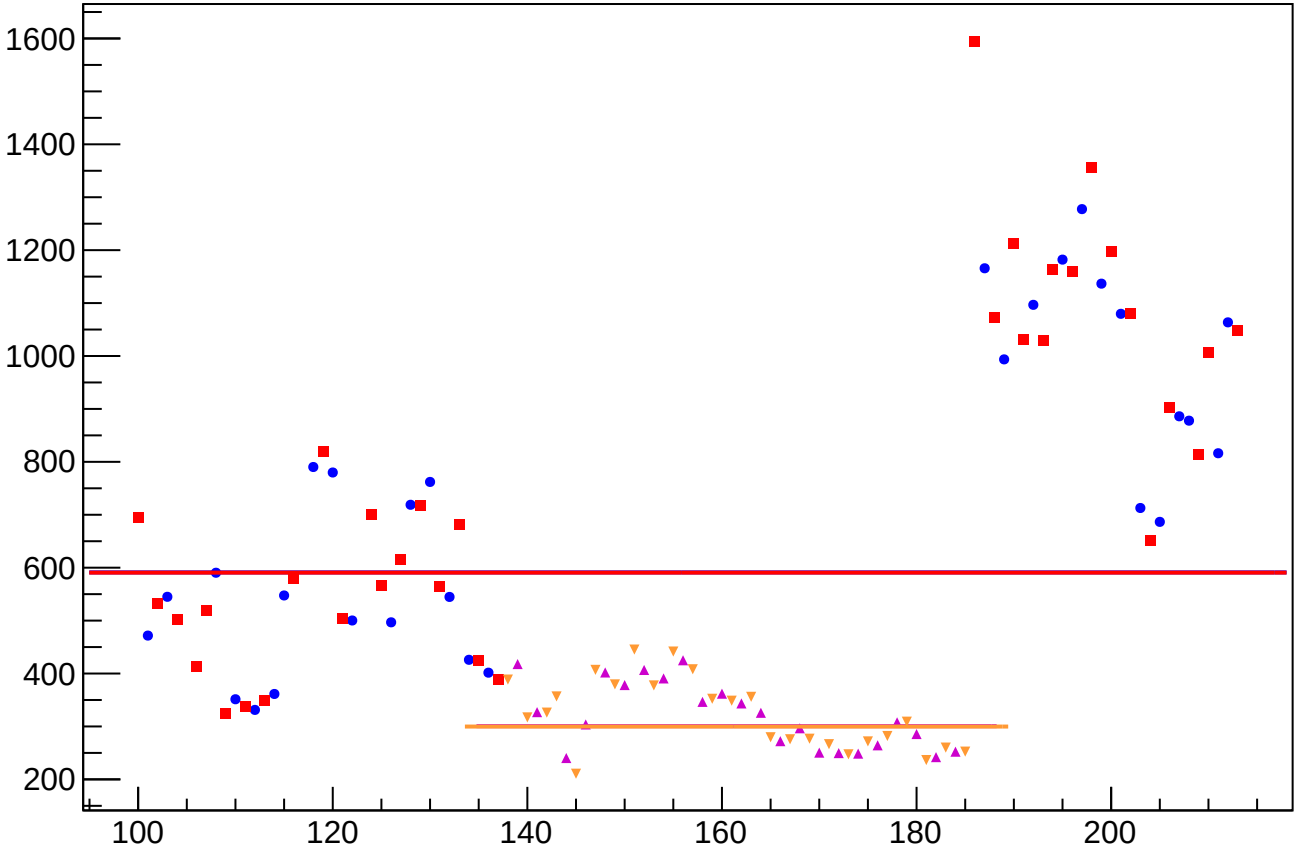
Right: -29.842+/-107.363 χ^2/NDF: 84.8/62

In: 65.548+/-65.010 χ^2/NDF:76.3/51

Out: 81.605+/-63.201 χ^2/NDF:92.3/58

All: 73.803+/-45.316 χ^2/NDF: 168.6/110

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 591.094+/-0.109 χ^2/NDF: 5138495.9/28

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

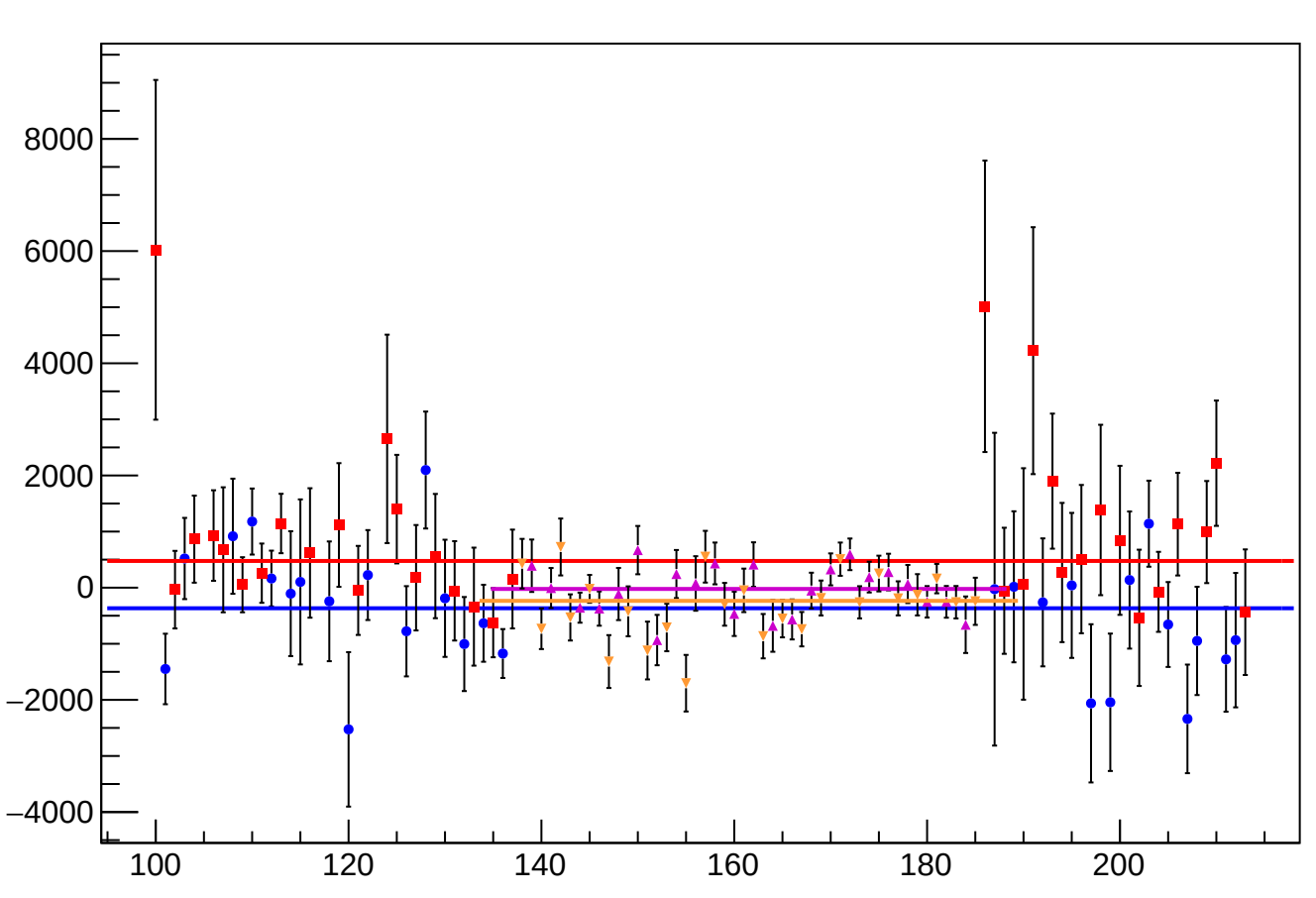
Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

Right: 590.873+/-0.076 χ^2/NDF: 11862838.9/62

In: 352.317+/-0.046 χ^2/NDF:12247830.6/51

Out: 351.607+/-0.045 χ^2/NDF:14503202.4/58

All: 351.952+/-0.032 χ^2/NDF: 26751155.5/1



Right In: -366.894+/-157.952 χ^2/NDF: 40.7/28

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

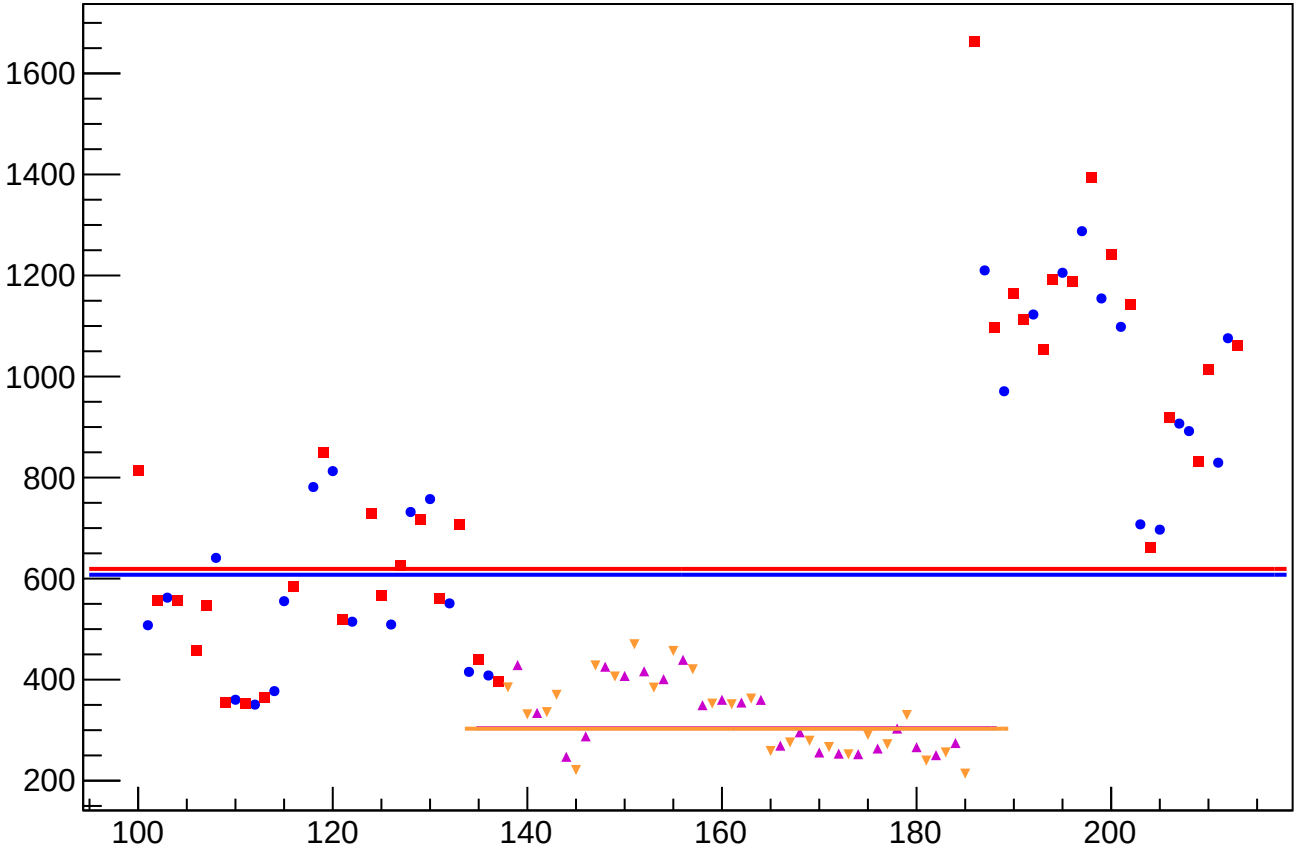
Right: 59.513+/-111.049 χ^2/NDF: 82.9/62

In: -82.759+/-65.997 χ^2/NDF:74.4/51

Out: -114.024+/-64.438 χ^2/NDF:92.5/58

All: -98.766+/-46.106 χ^2/NDF: 167.0/110

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 607.620+/-0.112 χ^2/NDF: 4953408.2/28

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

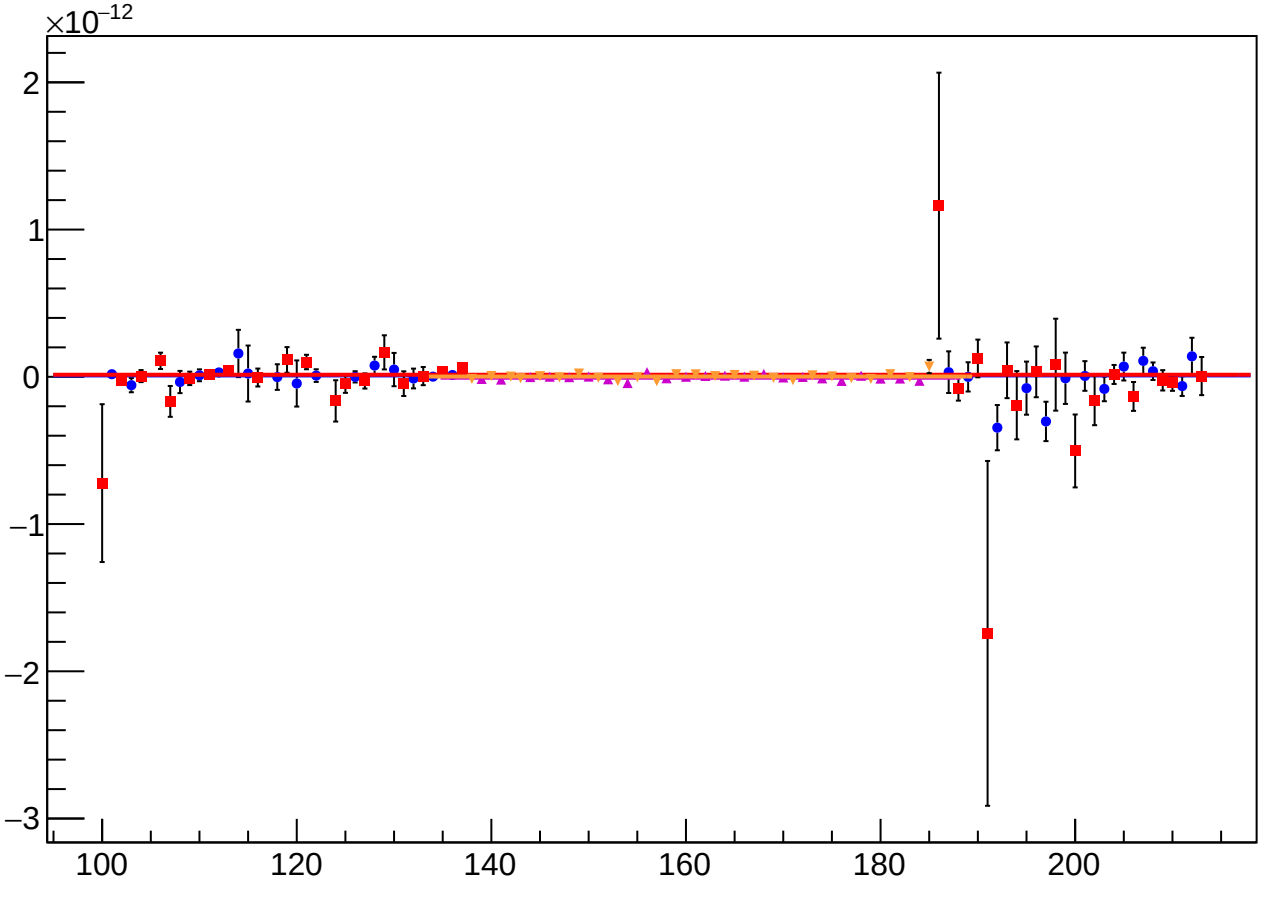
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 613.503+/-0.079 χ^2/NDF: 11313816.3/62

In: 356.943+/-0.047 χ^2/NDF:12432578.5/51

Out: 356.804+/-0.046 χ^2/NDF:14929730.9/58

All: 356.872+/-0.033 χ^2/NDF: 27362314.0/1



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/28

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

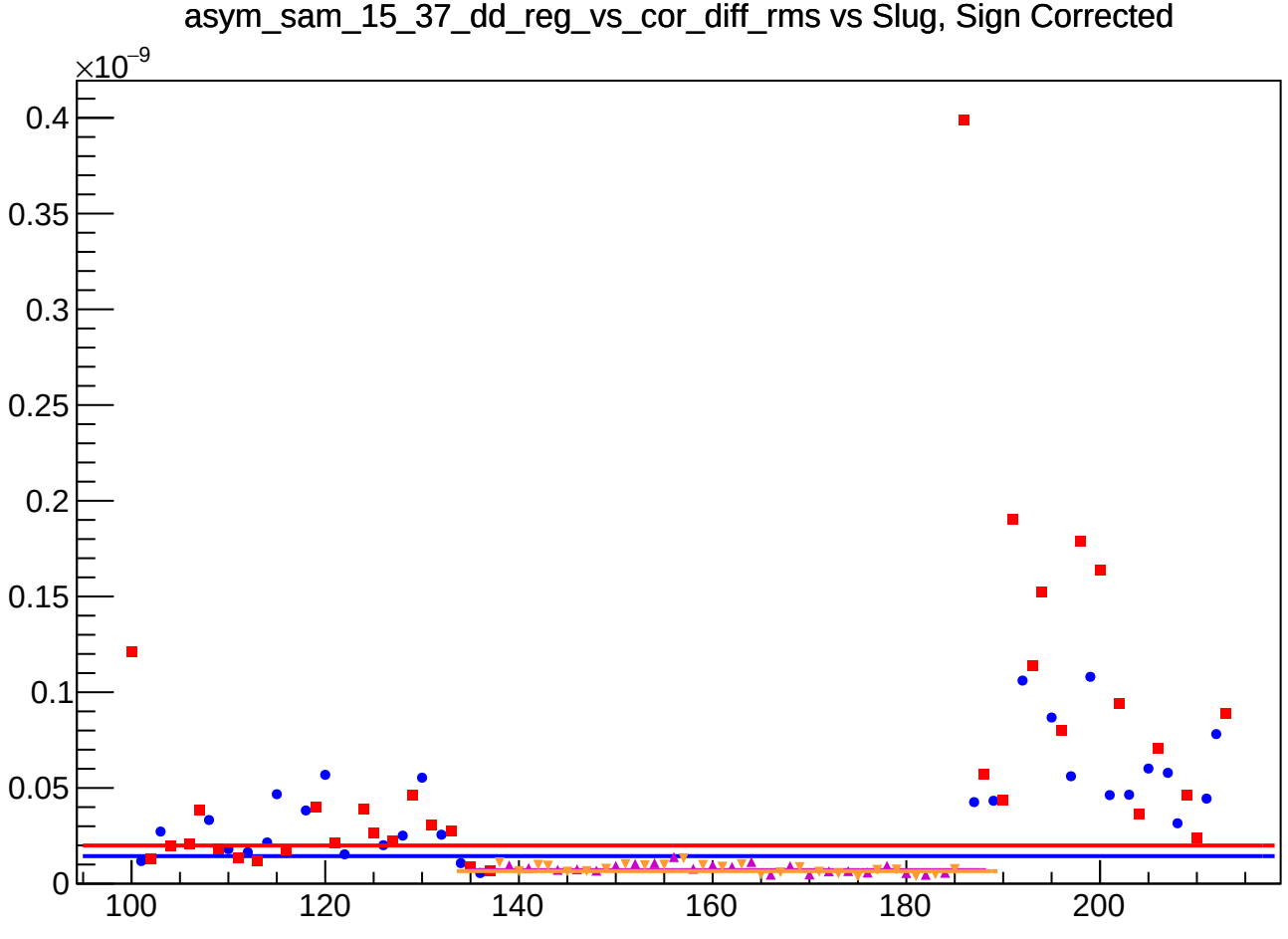
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 61.7/62

In: -0.000+/-0.000 χ^2/NDF:43.6/51

Out: 0.000+/-0.000 χ^2/NDF:64.0/58

All: -0.000+/-0.000 χ^2/NDF: 111.2/110



Right In: 0.000+/-0.000 χ^2/NDF: 6984171.4/28

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

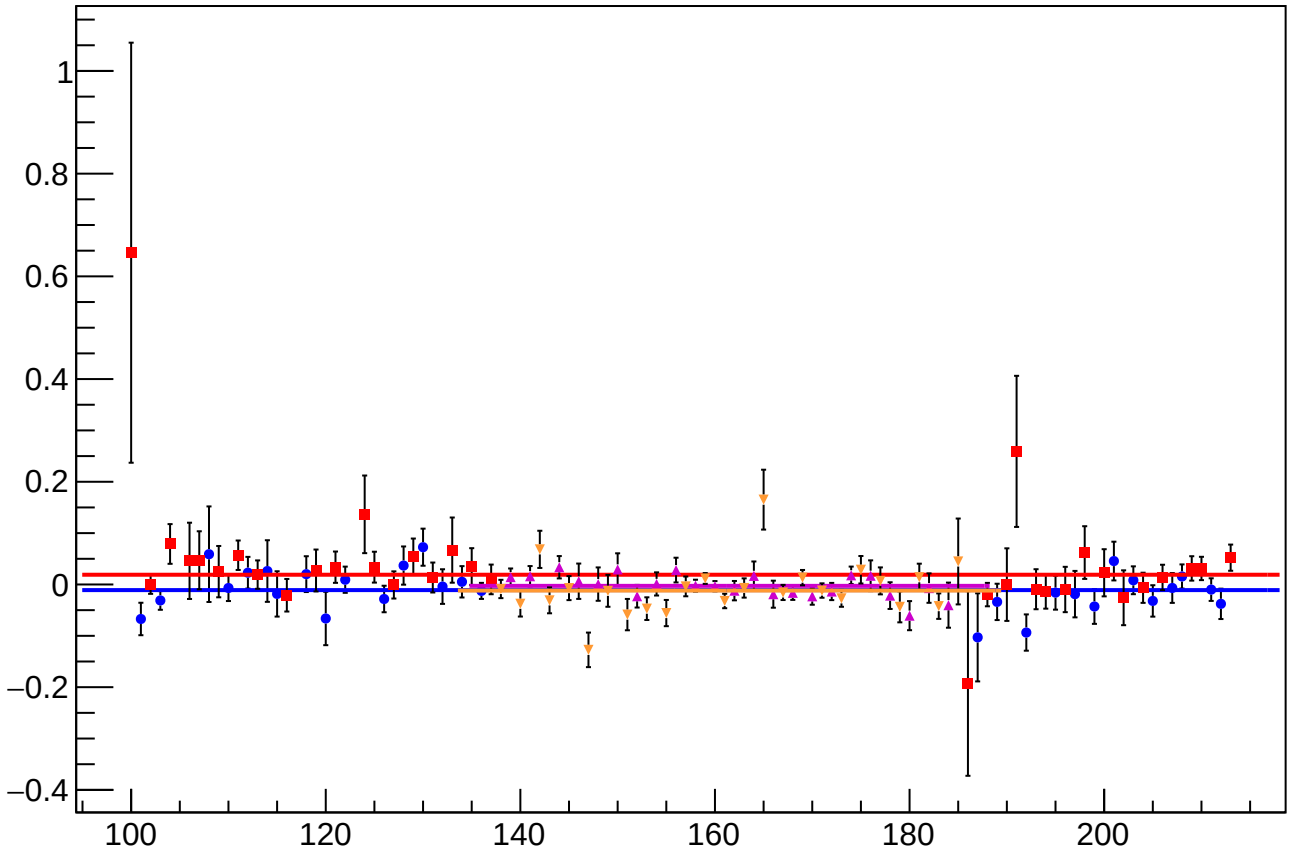
Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

Right: 0.000+/-0.000 χ^2/NDF: 14293146.0/62

In: 0.000+/-0.000 χ^2/NDF:9560924.7/51

Out: 0.000+/-0.000 χ^2/NDF:11964442.5/58

All: 0.000+/-0.000 χ^2/NDF: 21558840.8/110



Right In: -0.011+/-0.006 χ^2/NDF: 30.3/28

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

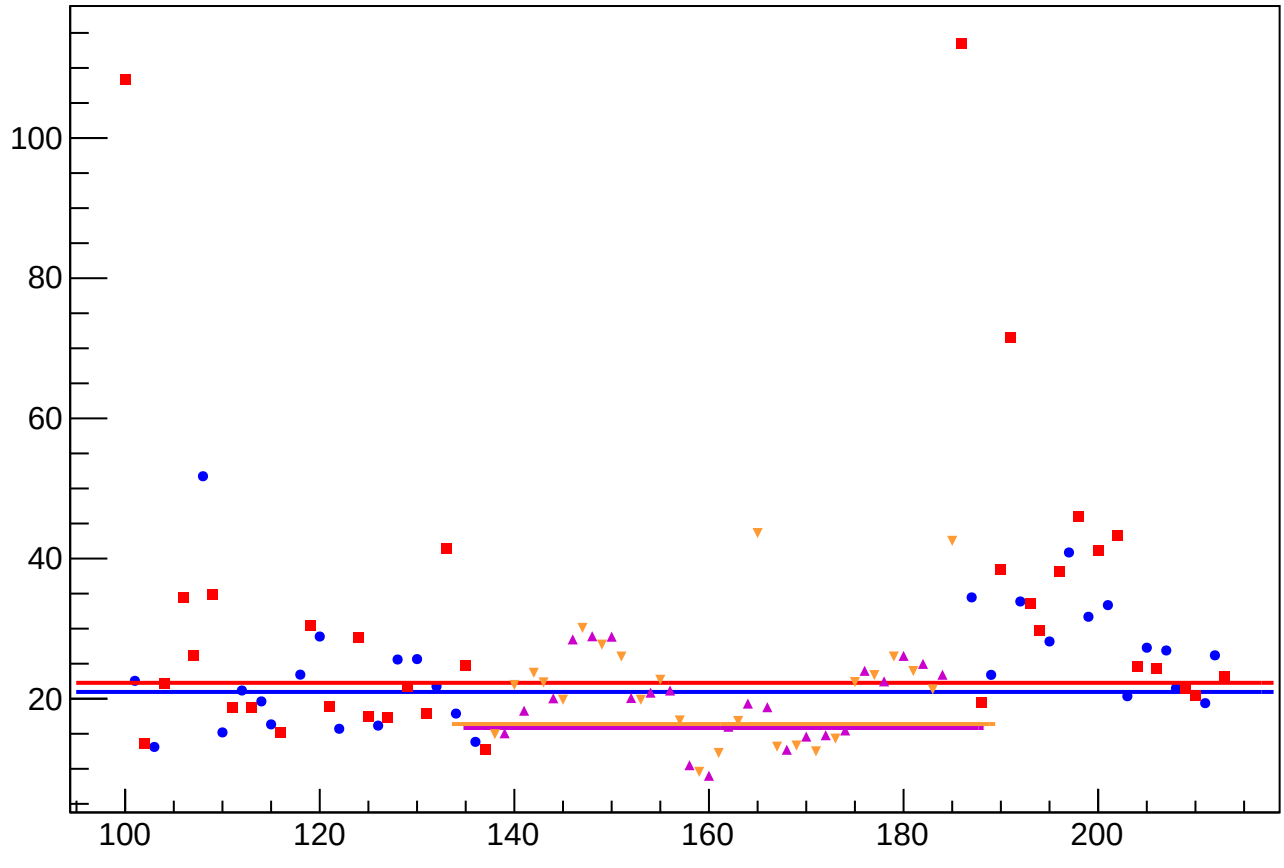
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.003+/-0.004 χ^2/NDF: 72.7/62

In: -0.006+/-0.003 χ^2/NDF:51.5/51

Out: -0.002+/-0.003 χ^2/NDF:100.9/58

All: -0.004+/-0.002 χ^2/NDF: 153.2/110



Right In: 20.967+/-0.004 χ^2/NDF: 2901239.4/28

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

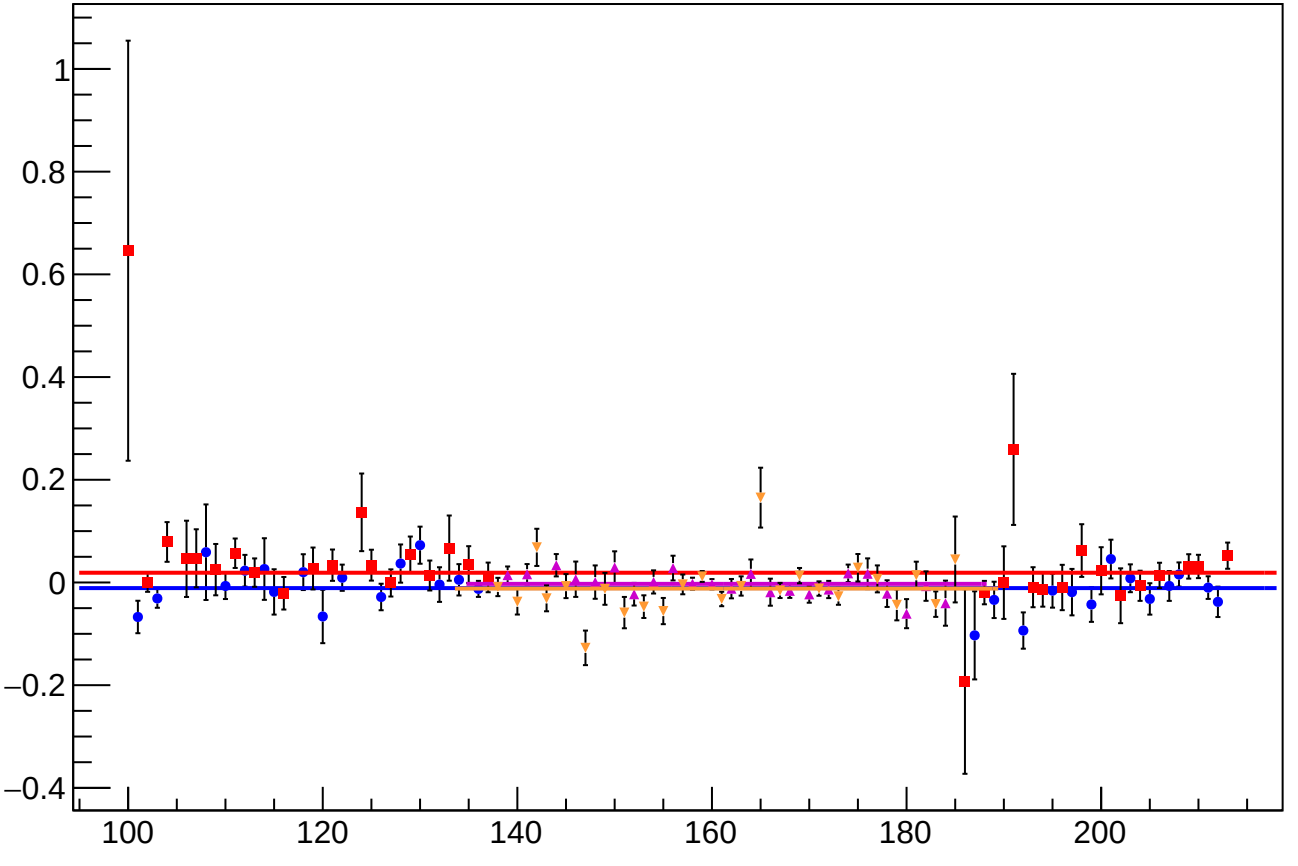
Right: 21.593+/-0.003 χ^2/NDF: 7069270.9/62

In: 17.611+/-0.002 χ^2/NDF:7682448.1/51

Out: 18.347+/-0.002 χ^2/NDF:9539078.6/58

All: 17.973+/-0.002 χ^2/NDF: 17271479.5/110

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.006 χ^2/NDF: 30.3/28

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

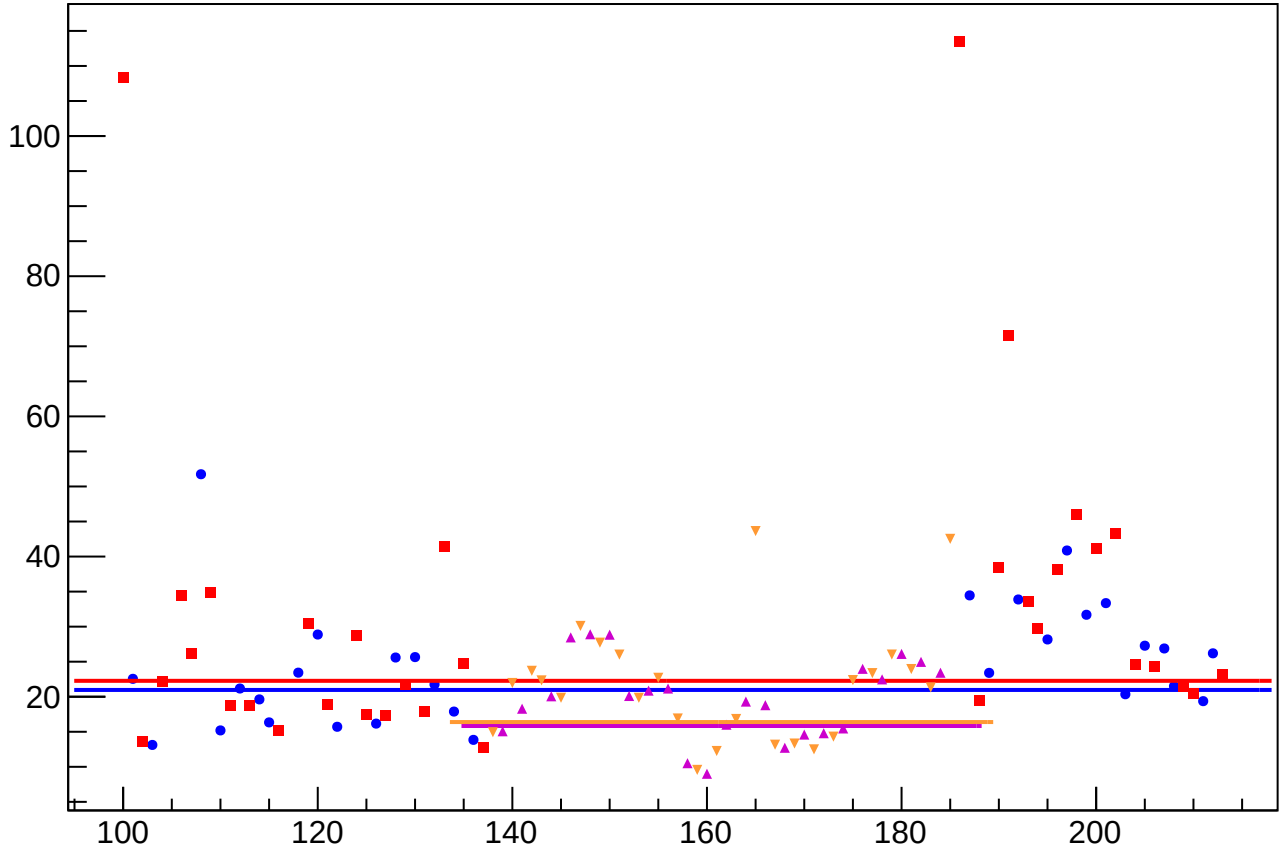
Right: 0.003+/-0.004 χ^2/NDF: 72.7/62

In: -0.006+/-0.003 χ^2/NDF:51.5/51

Out: -0.002+/-0.003 χ^2/NDF:100.9/58

All: -0.004+/-0.002 χ^2/NDF: 153.2/110

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.967+/-0.004 χ^2/NDF: 2901239.4/28

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

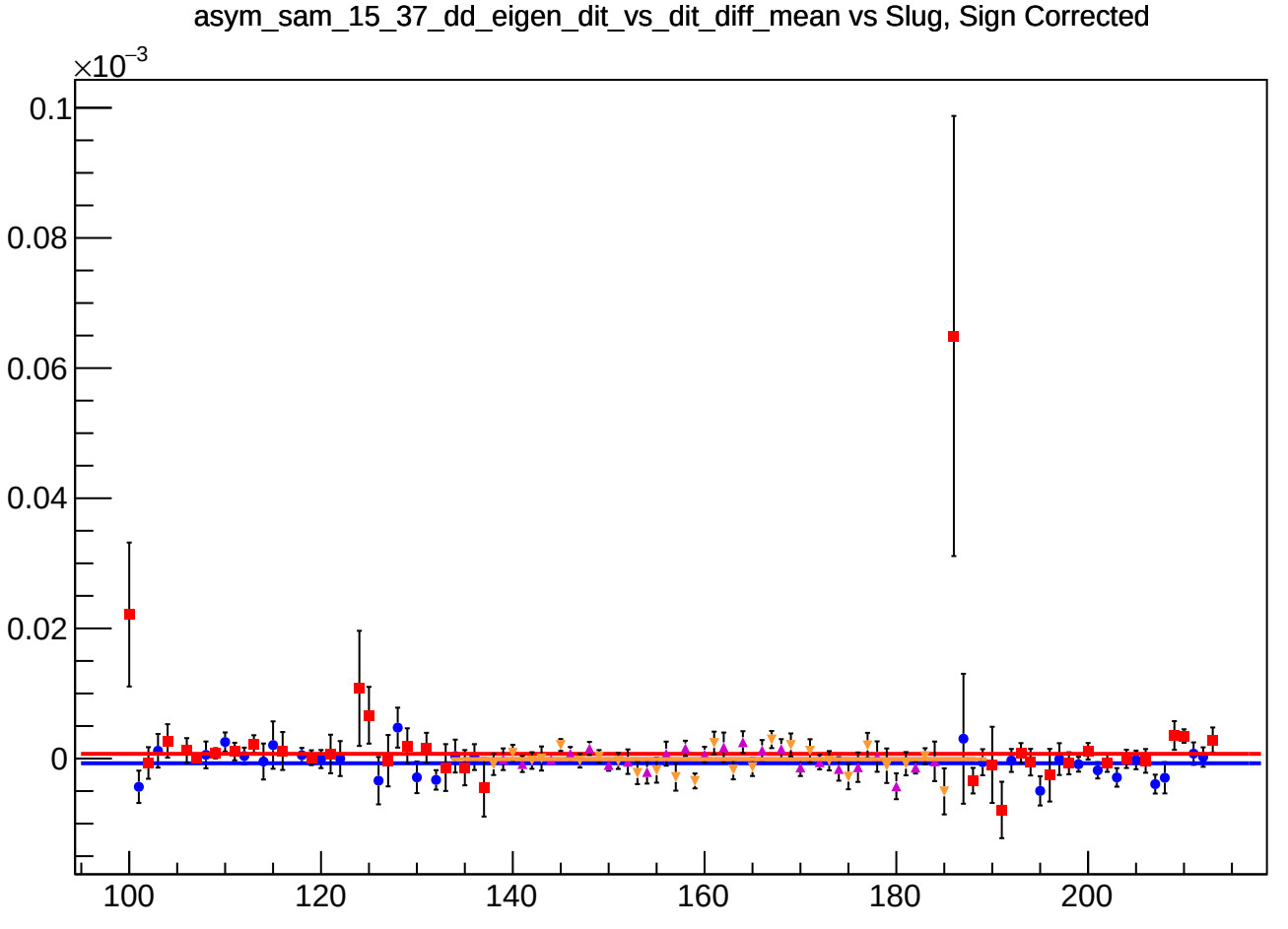
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.593+/-0.003 χ^2/NDF: 7069270.9/62

In: 17.611+/-0.002 χ^2/NDF:7682448.1/51

Out: 18.347+/-0.002 χ^2/NDF:9539078.6/58

All: 17.973+/-0.002 χ^2/NDF: 17271479.5/110



Right In: -0.000+/-0.000 χ^2/NDF: 32.7/28

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

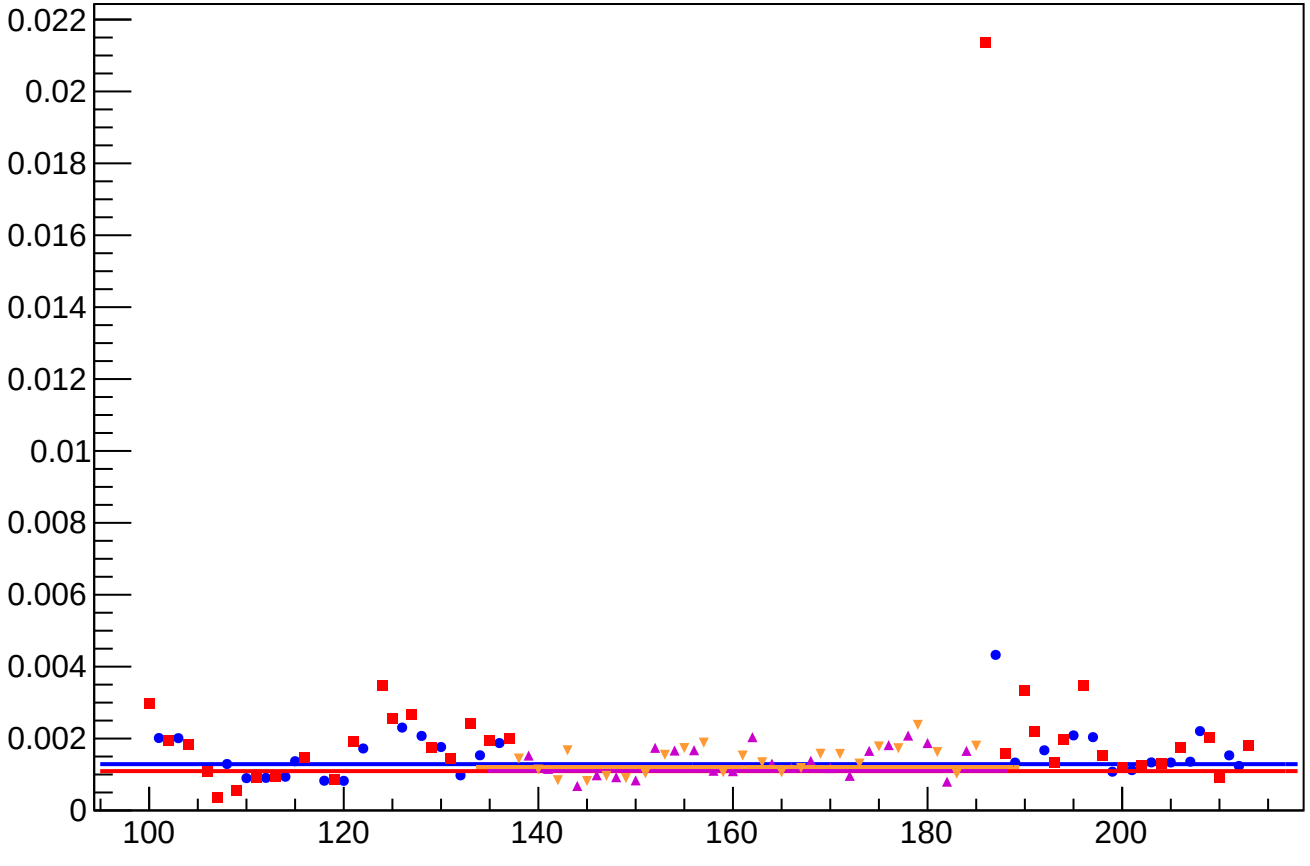
Right: 0.000+/-0.000 χ^2/NDF: 81.9/62

In: -0.000+/-0.000 χ^2/NDF:56.7/51

Out: 0.000+/-0.000 χ^2/NDF:78.4/58

All: -0.000+/-0.000 χ^2/NDF: 140.3/110

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3101299.8/28

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

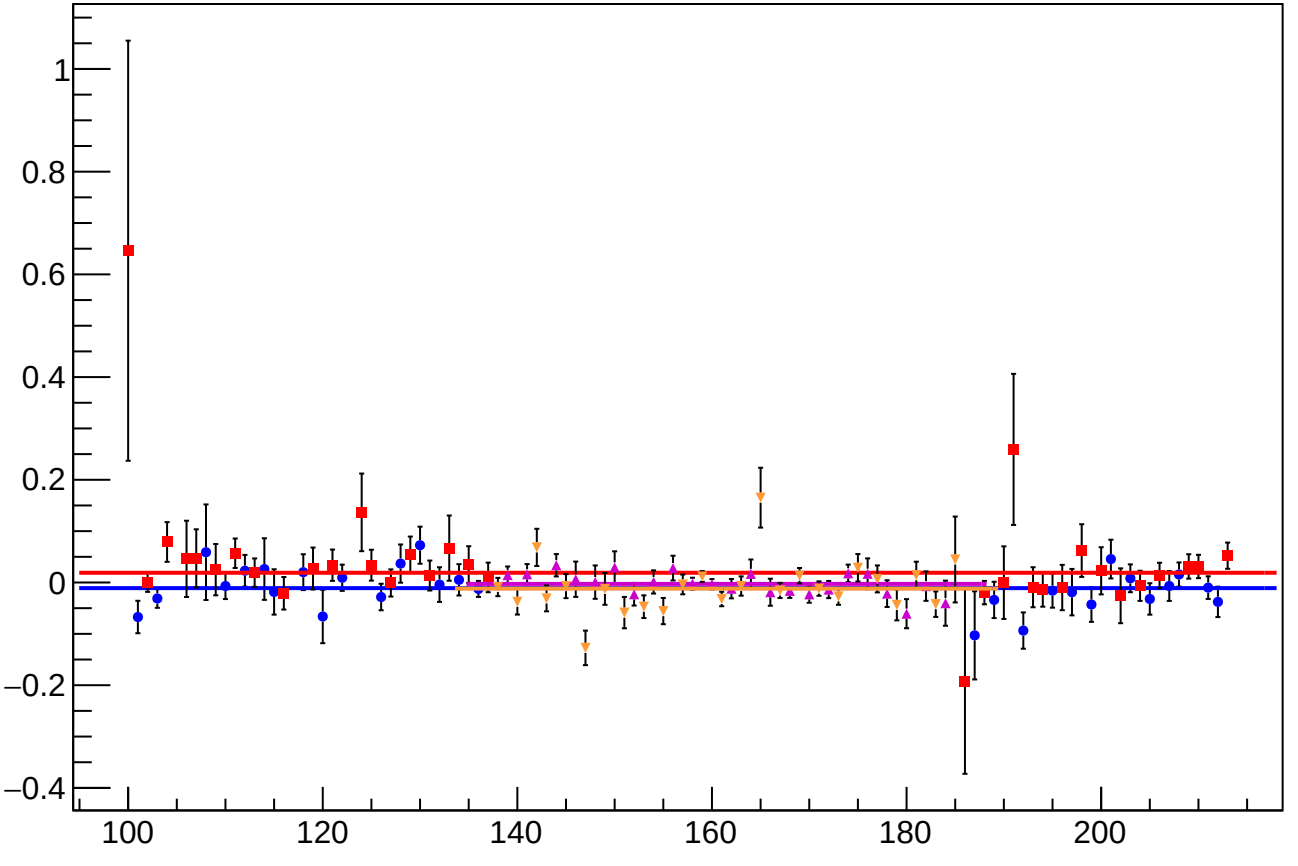
Right: 0.001+/-0.000 χ^2/NDF: 12144646.8/62

In: 0.001+/-0.000 χ^2/NDF:6967073.8/51

Out: 0.001+/-0.000 χ^2/NDF:11529190.4/58

All: 0.001+/-0.000 χ^2/NDF: 18513581.8/110

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.006 χ^2/NDF: 30.3/28

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

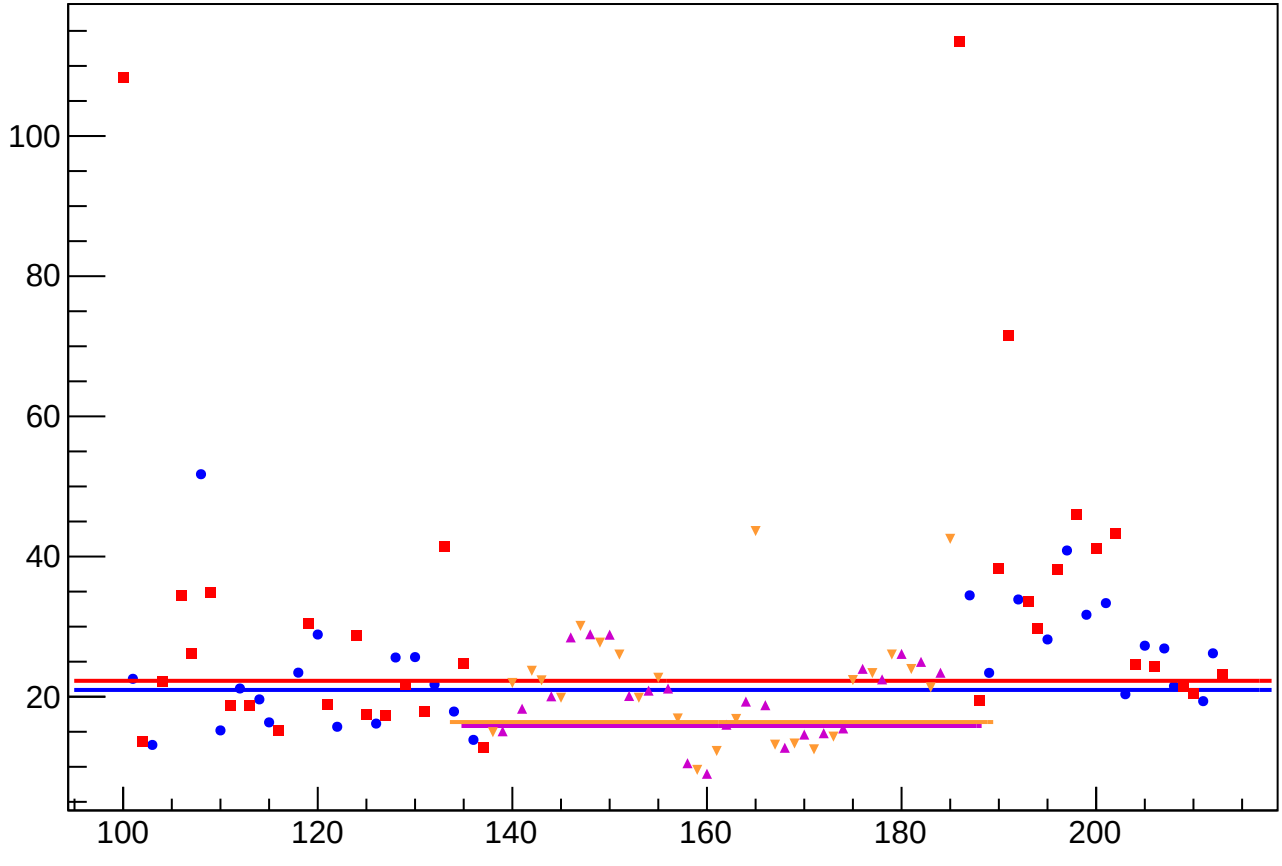
Right: 0.003+/-0.004 χ^2/NDF: 72.7/62

In: -0.006+/-0.003 χ^2/NDF:51.5/51

Out: -0.002+/-0.003 χ^2/NDF:100.9/58

All: -0.004+/-0.002 χ^2/NDF: 153.2/110

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.967+/-0.004 χ^2/NDF: 2901265.0/28

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

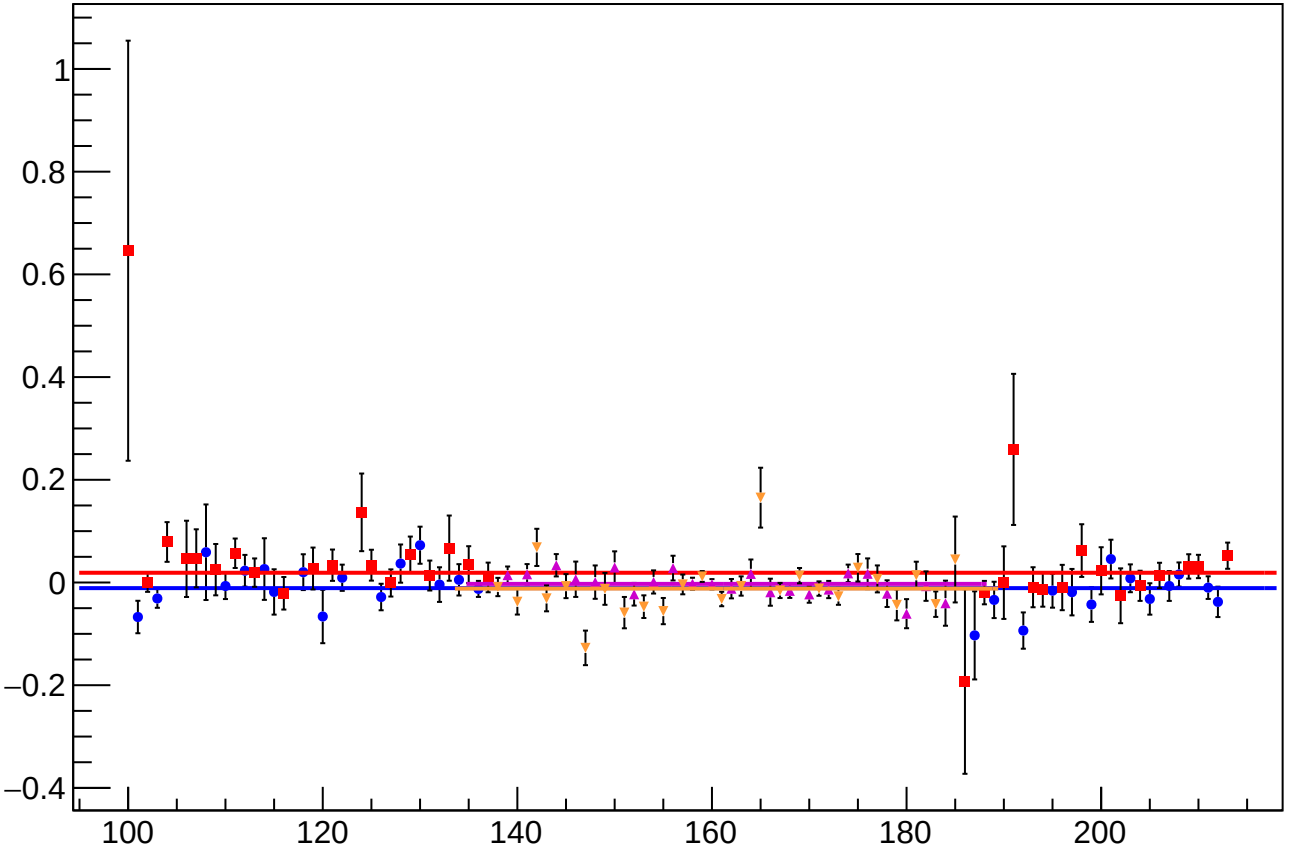
Right: 21.593+/-0.003 χ^2/NDF: 7069069.9/62

In: 17.611+/-0.002 χ^2/NDF:7682954.0/51

Out: 18.347+/-0.002 χ^2/NDF:9539329.5/58

All: 17.973+/-0.002 χ^2/NDF: 17272254.9/110

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.006 χ^2/NDF: 30.3/28

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

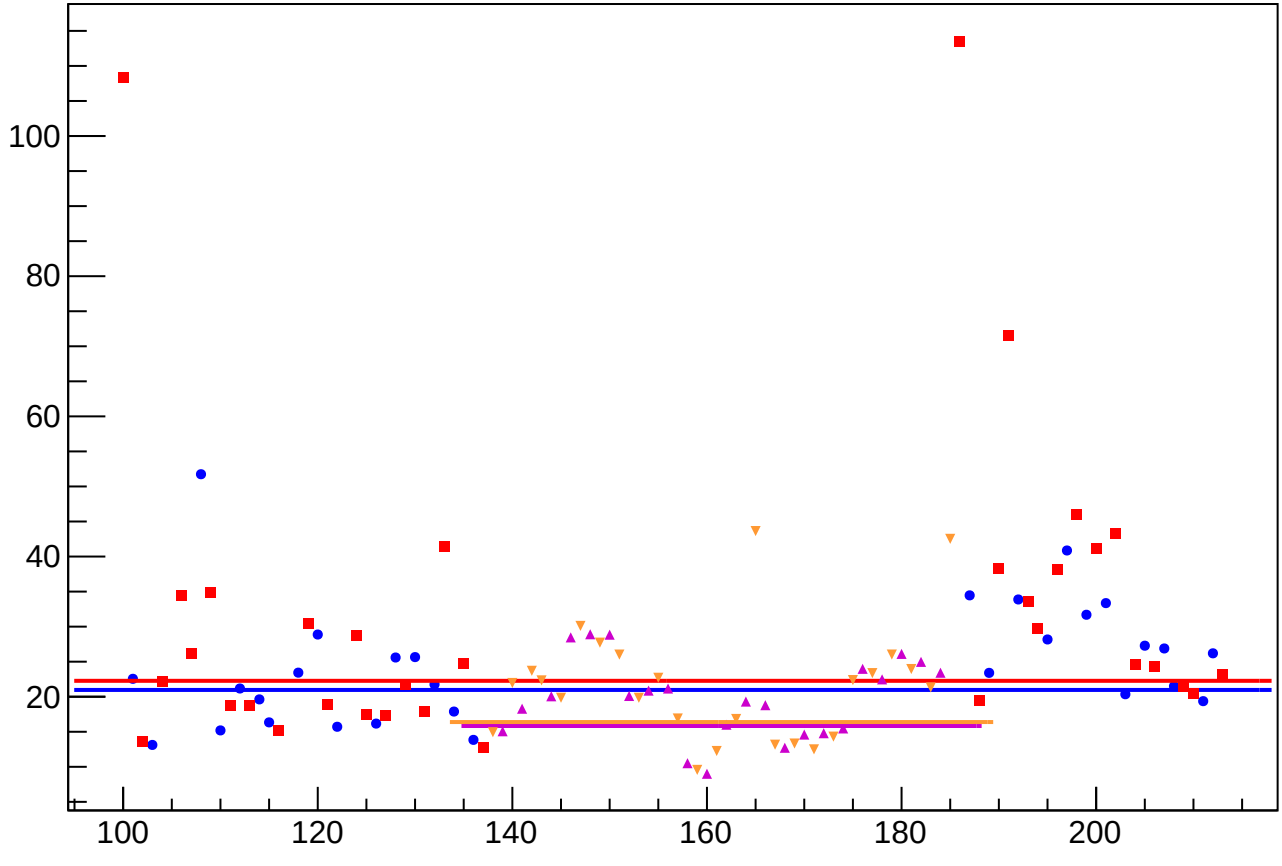
Right: 0.003+/-0.004 χ^2/NDF: 72.7/62

In: -0.006+/-0.003 χ^2/NDF:51.5/51

Out: -0.002+/-0.003 χ^2/NDF:100.9/58

All: -0.004+/-0.002 χ^2/NDF: 153.2/110

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.967+/-0.004 χ^2/NDF: 2901265.0/28

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

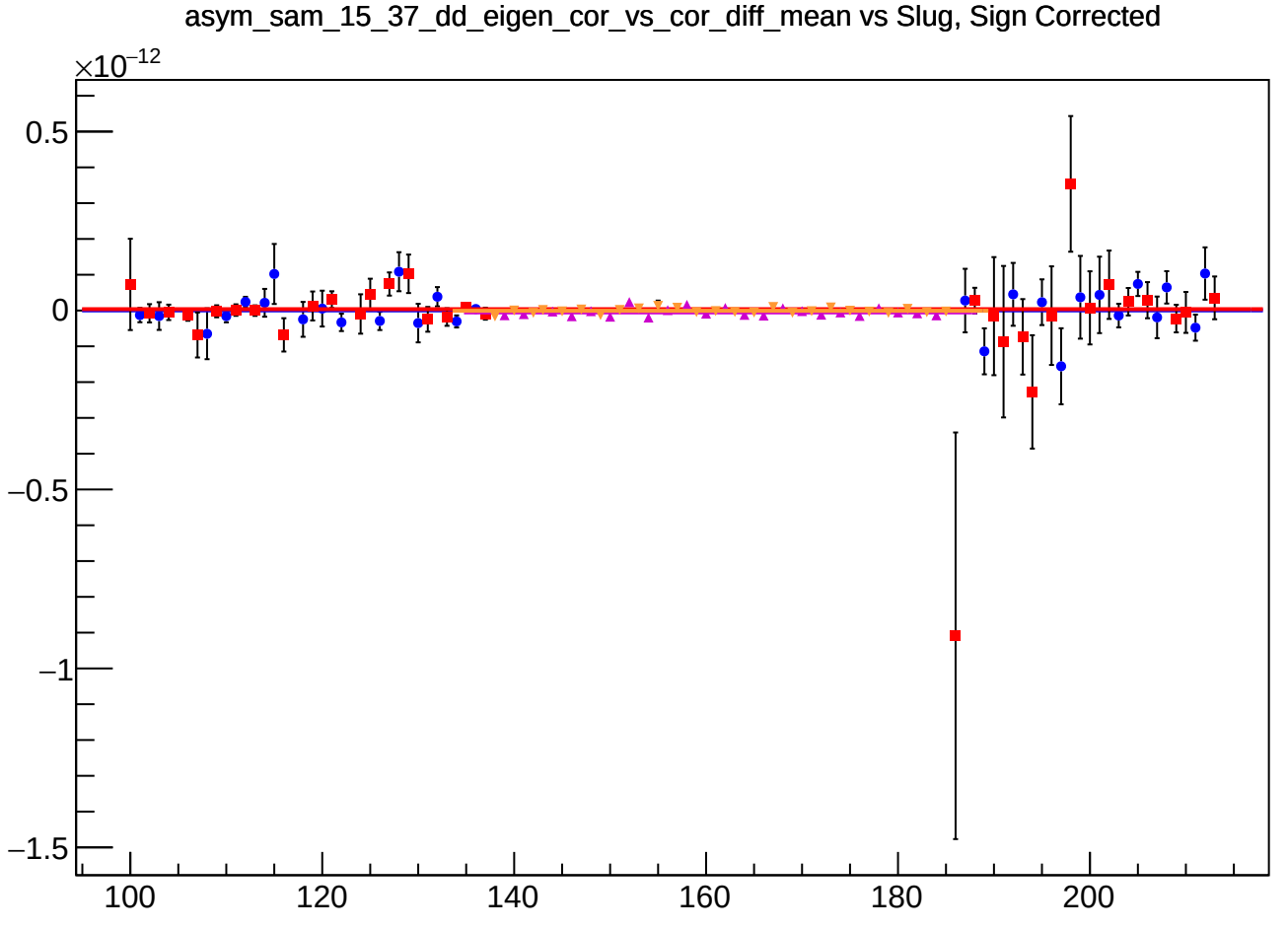
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.593+/-0.003 χ^2/NDF: 7069069.9/62

In: 17.611+/-0.002 χ^2/NDF:7682954.0/51

Out: 18.347+/-0.002 χ^2/NDF:9539329.5/58

All: 17.973+/-0.002 χ^2/NDF: 17272254.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 37.2/28

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

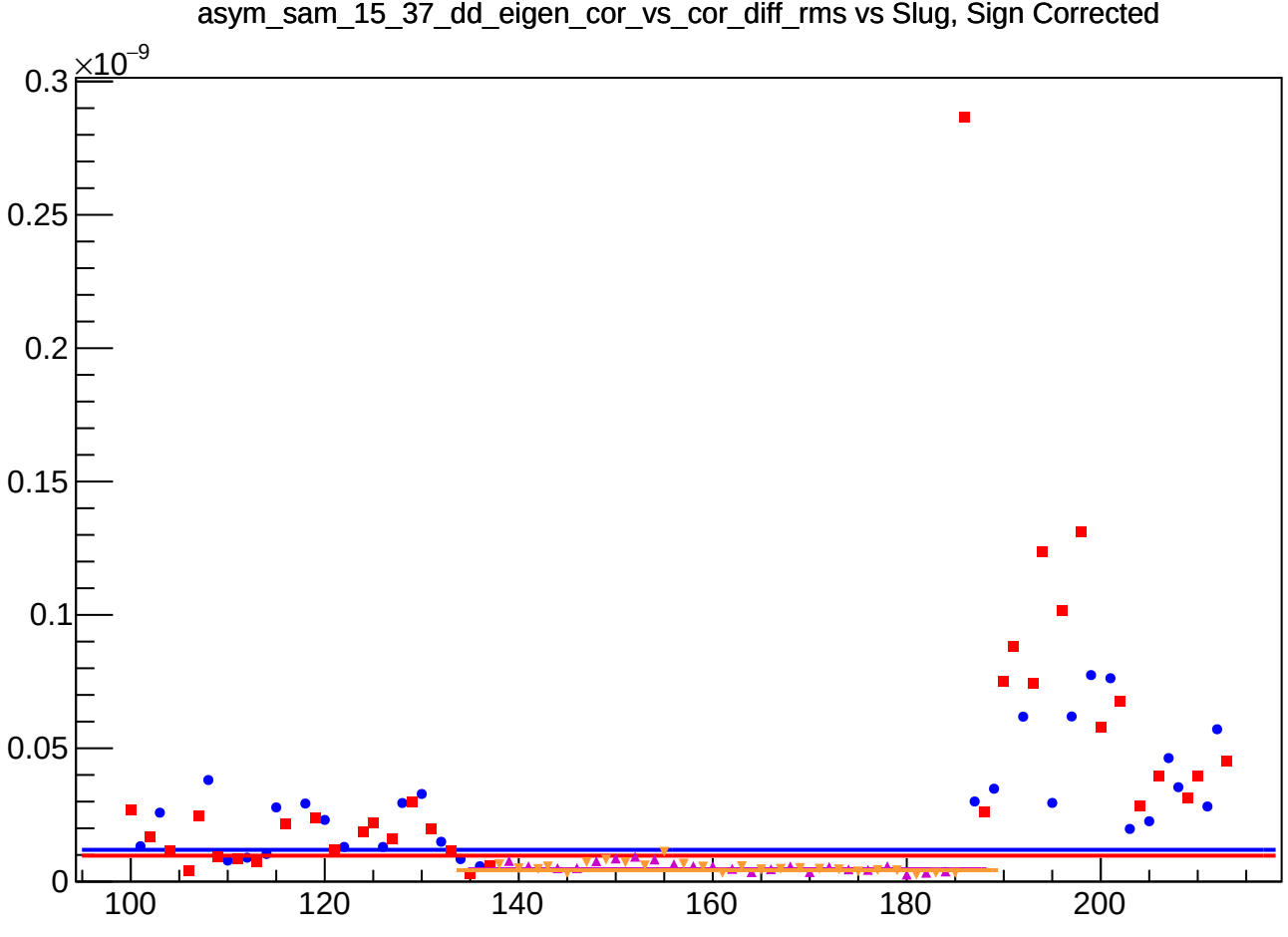
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

Right: 0.000+/-0.000 χ^2/NDF: 67.9/62

In: -0.000+/-0.000 χ^2/NDF:76.5/51

Out: -0.000+/-0.000 χ^2/NDF:50.5/58

All: -0.000+/-0.000 χ^2/NDF: 133.1/110



Right In: 0.000+/-0.000 χ^2/NDF: 8739970.7/28

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

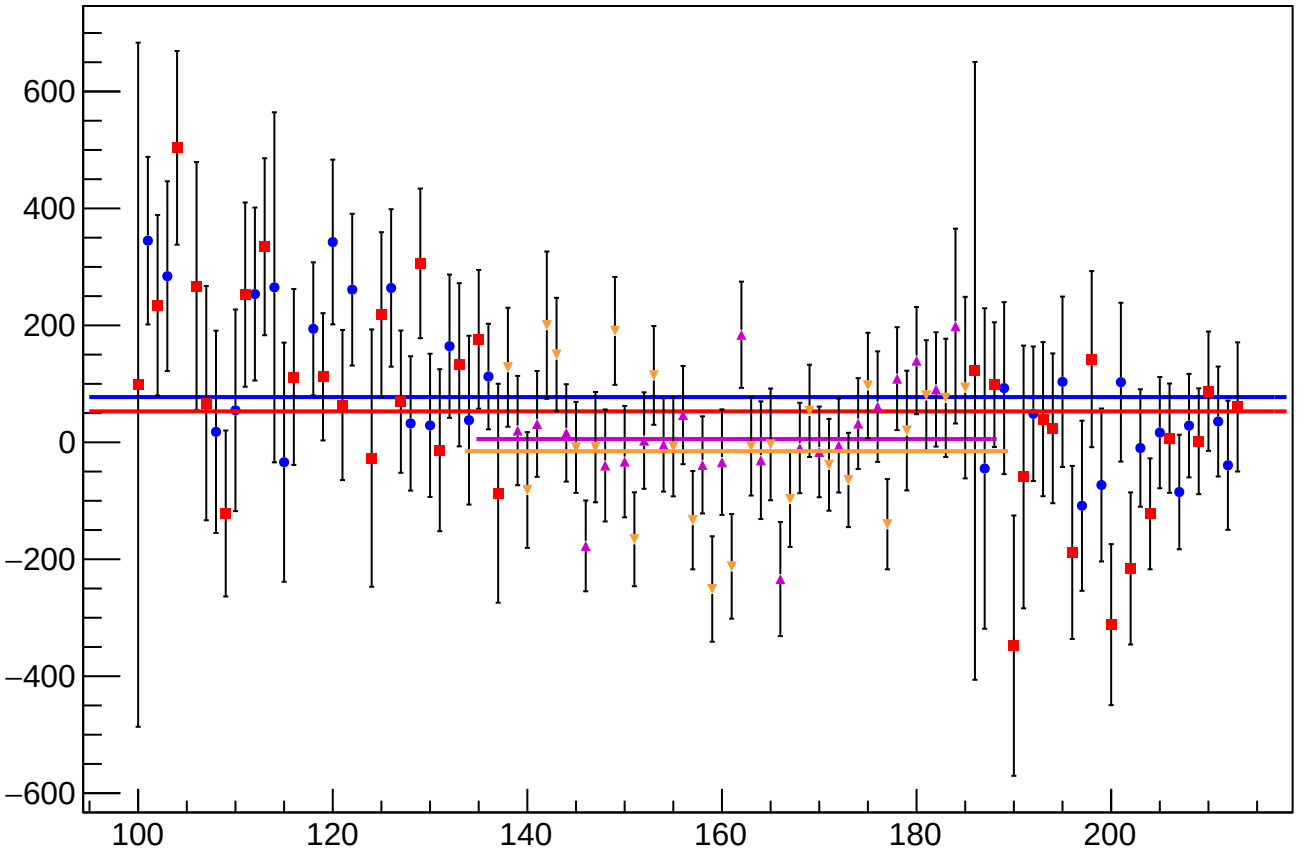
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 21706488.0/62

In: 0.000+/-0.000 χ^2/NDF:15485664.7/51

Out: 0.000+/-0.000 χ^2/NDF:18245045.5/58

All: 0.000+/-0.000 χ^2/NDF: 33884144.0/110



Right In: 77.362+/-23.344 χ^2/NDF: 25.7/28

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

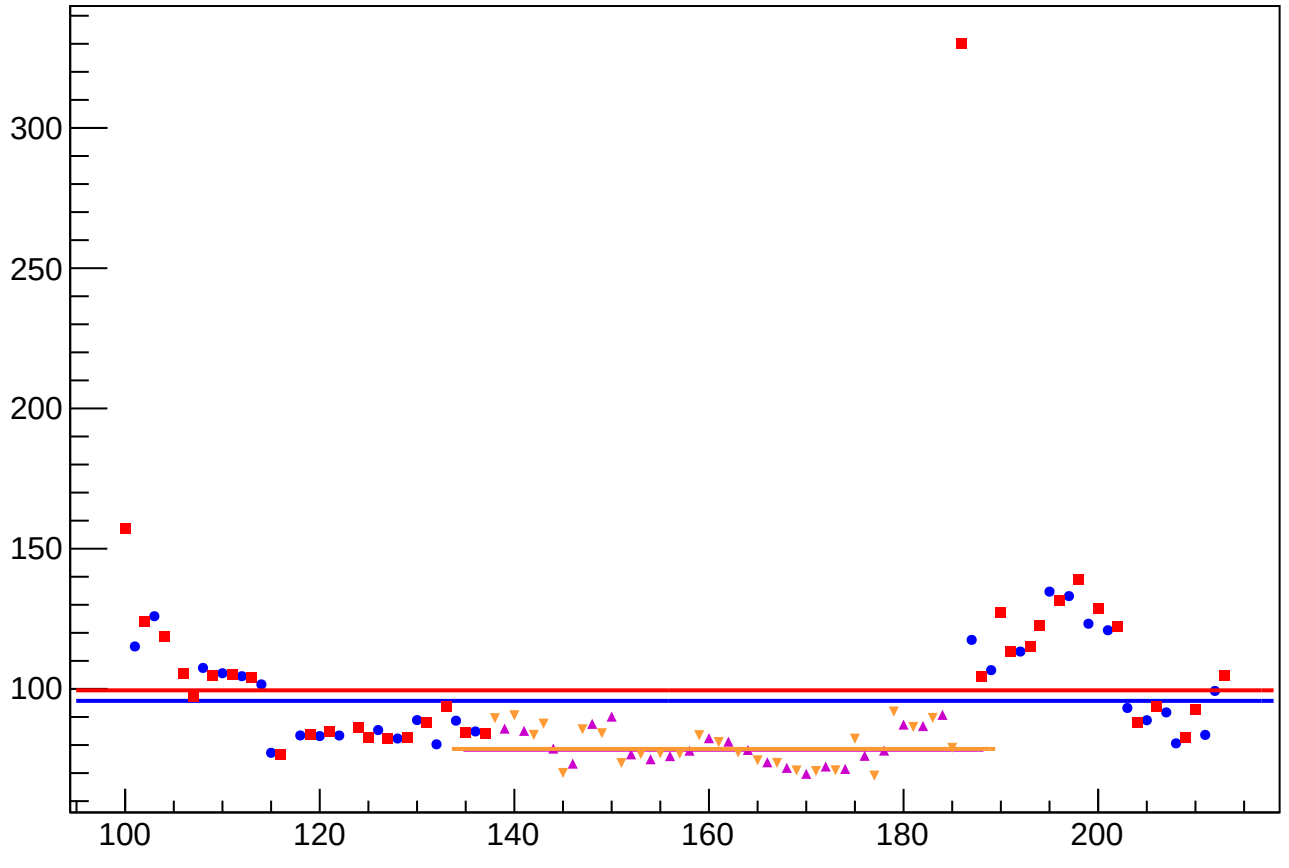
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 65.187+/-16.515 χ^2/NDF: 72.9/62

In: 33.083+/-14.442 χ^2/NDF:54.6/51

Out: 10.179+/-14.238 χ^2/NDF:93.6/58

All: 21.469+/-10.139 χ^2/NDF: 149.5/110



Right In: 95.747+/-0.017 χ^2/NDF: 926048.2/28

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

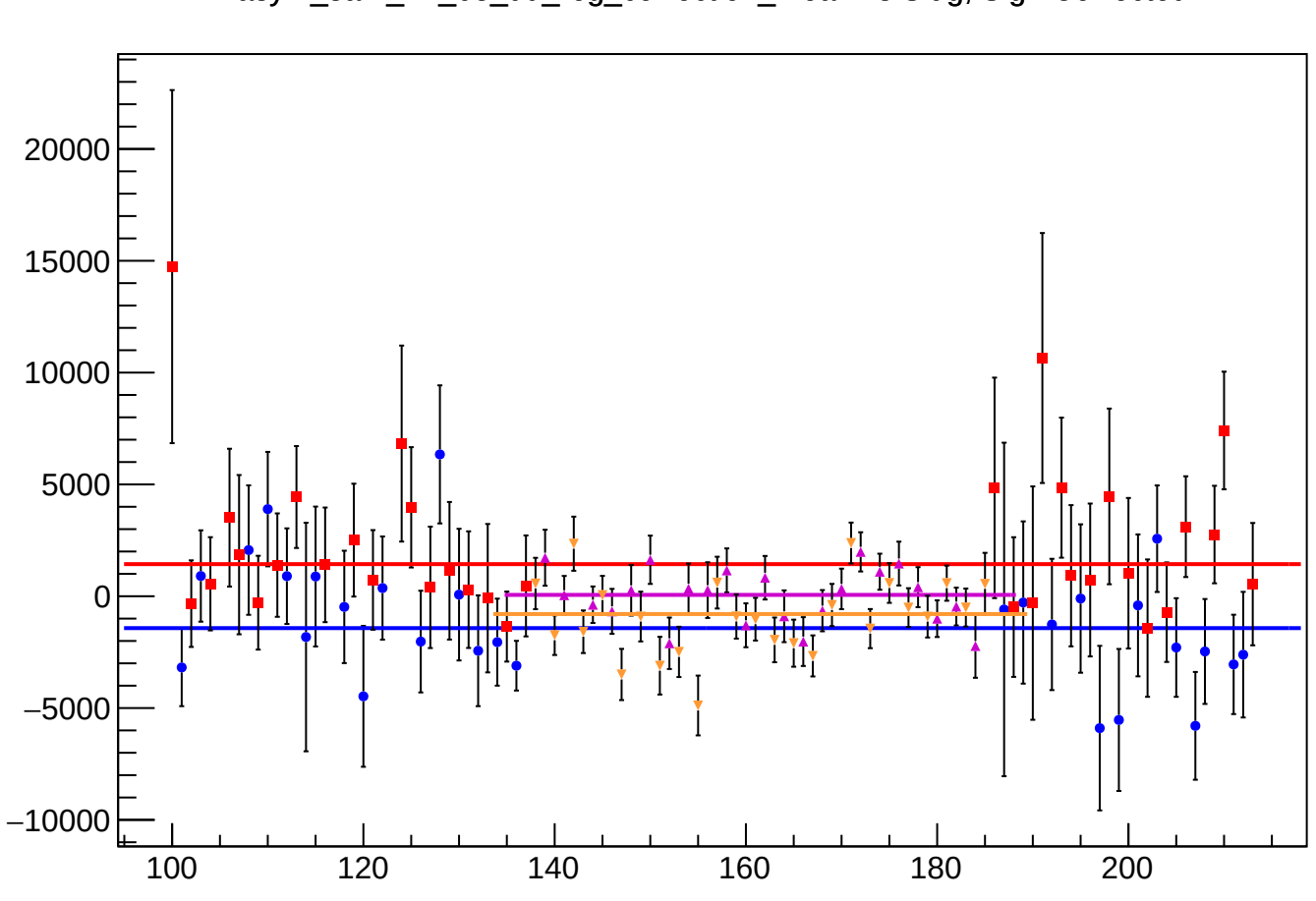
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.625+/-0.012 χ^2/NDF: 2363444.7/62

In: 84.999+/-0.010 χ^2/NDF:1822075.5/51

Out: 86.373+/-0.010 χ^2/NDF:2723447.4/58

All: 85.696+/-0.007 χ^2/NDF: 4554711.6/110



Right In: -1425.815+/-449.838 χ^2/NDF: 31.4/28

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1435.567+/-459.495 χ^2/NDF: 26.9/33

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

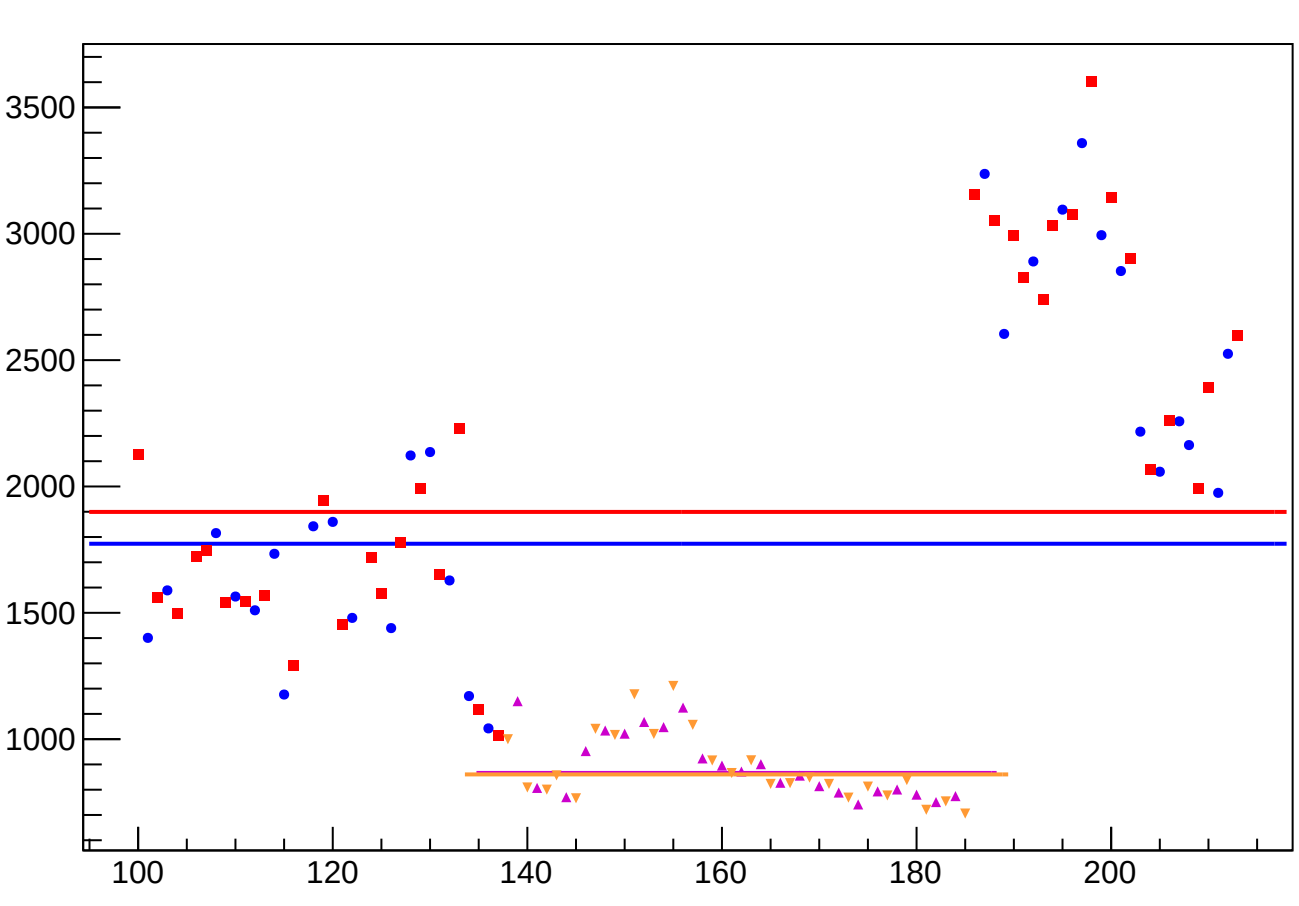
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -25.510+/-321.443 χ^2/NDF: 78.1/62

In: -194.768+/-186.118 χ^2/NDF:70.9/51

Out: -447.719+/-181.747 χ^2/NDF:106.3/58

All: -324.249+/-130.032 χ^2/NDF: 178.2/110



Right In: 1773.351+/-0.318 χ^2/NDF: 3510738.4/28

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

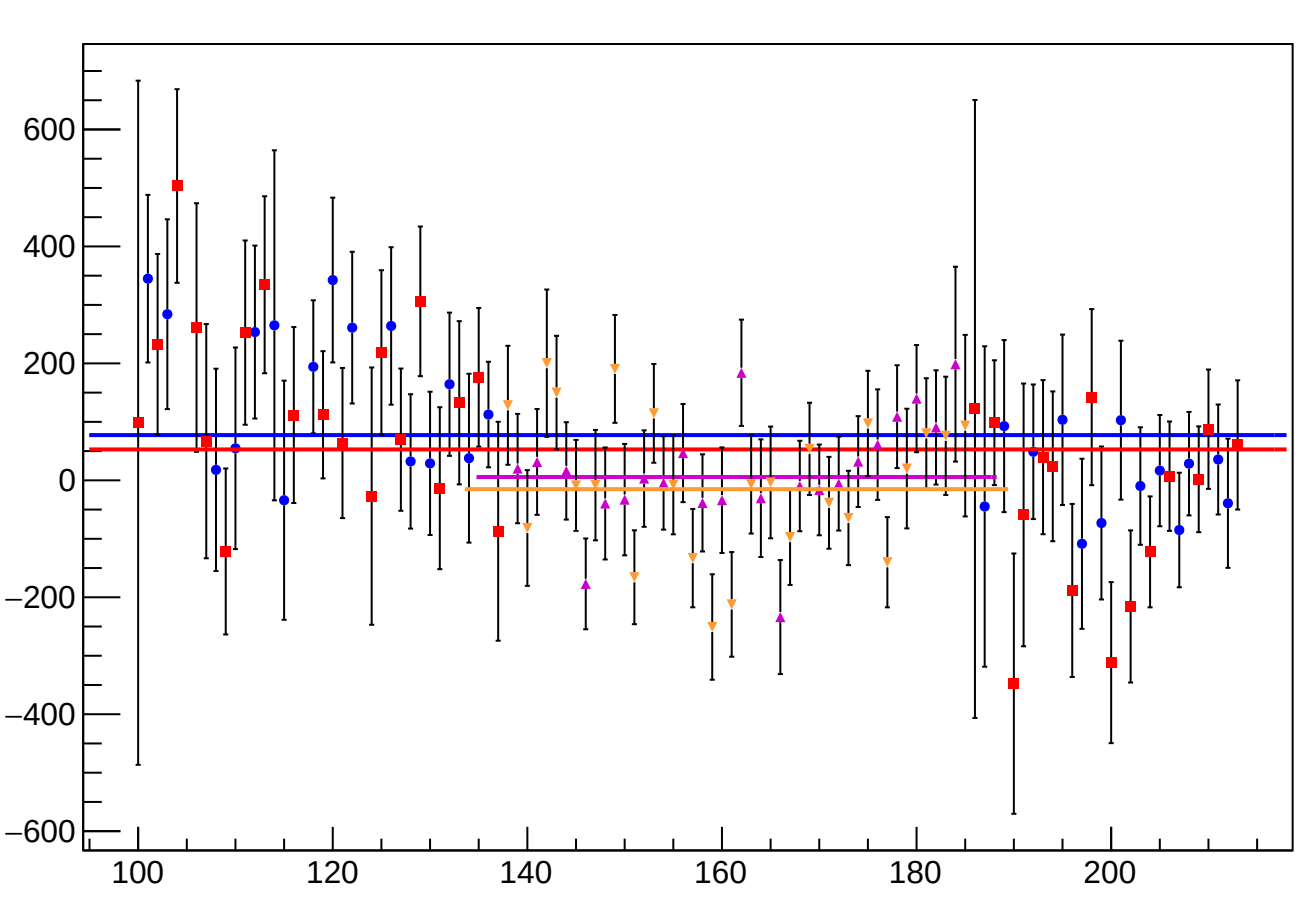
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1835.003+/-0.227 χ^2/NDF: 7274654.0/62

In: 1021.616+/-0.132 χ^2/NDF:10862921.3/51

Out: 1023.017+/-0.129 χ^2/NDF:13009755.9/58

All: 1022.333+/-0.092 χ^2/NDF: 23872735.3/



Right In: 77.355+/-23.344 χ^2/NDF: 25.7/28

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

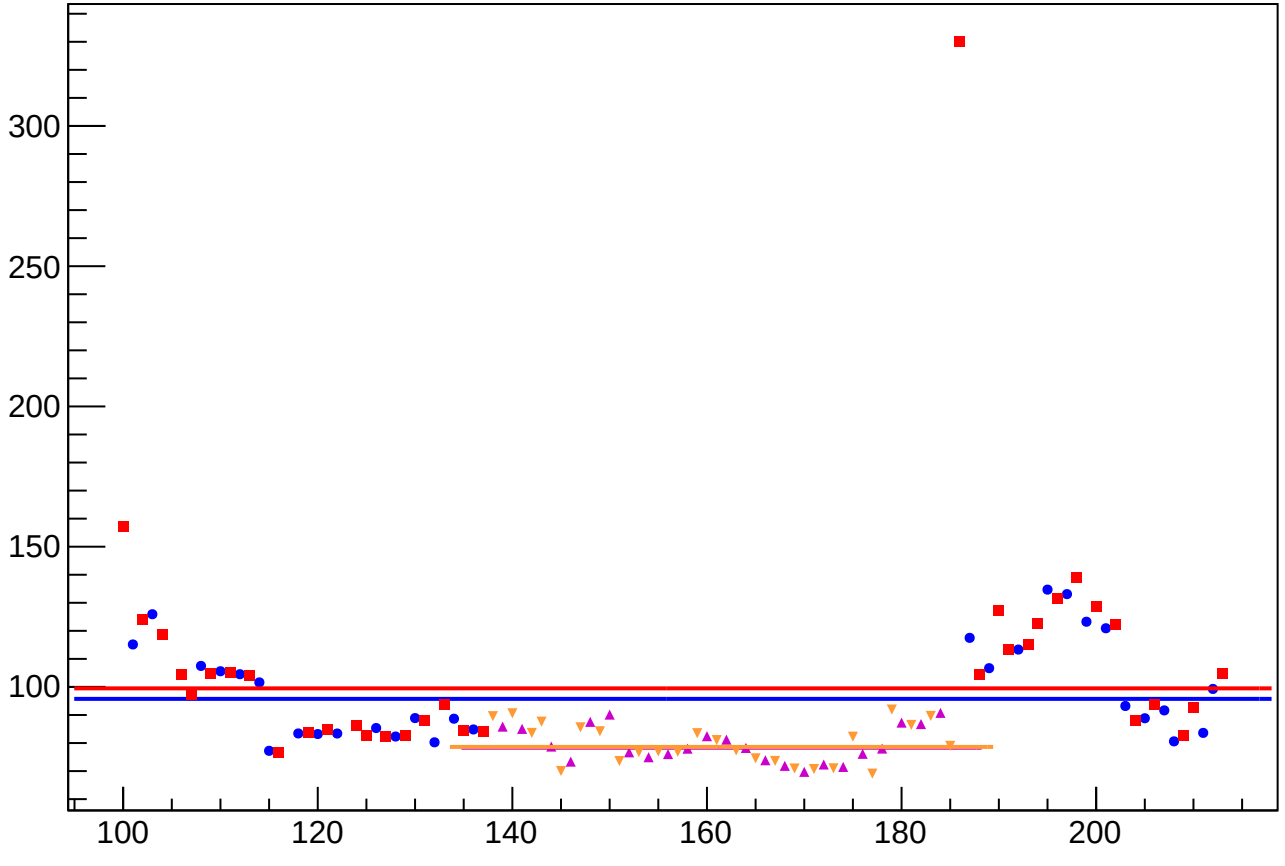
Right: 65.124+/-16.515 χ^2/NDF: 72.8/62

In: 33.078+/-14.442 χ^2/NDF:54.6/51

Out: 10.135+/-14.239 χ^2/NDF:93.5/58

All: 21.444+/-10.139 χ^2/NDF: 149.3/110

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 95.747+/-0.017 χ^2/NDF: 926049.8/28

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

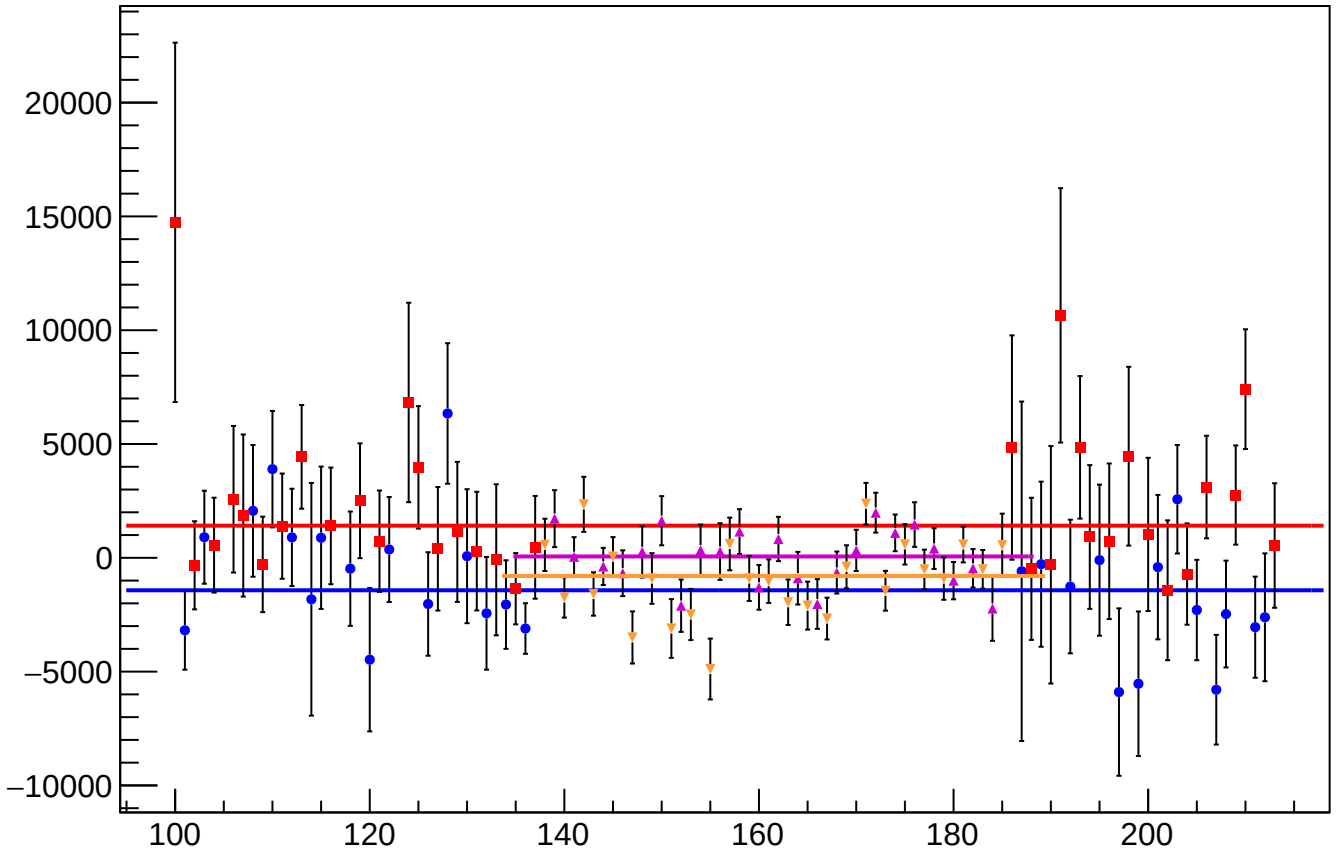
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.617+/-0.012 χ^2/NDF: 2362796.5/62

In: 84.999+/-0.010 χ^2/NDF:1822077.4/51

Out: 86.367+/-0.010 χ^2/NDF:2721525.5/58

All: 85.693+/-0.007 χ^2/NDF: 4552713.3/110



Right In: -1425.802+/-449.839 χ^2/NDF: 31.4/28

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

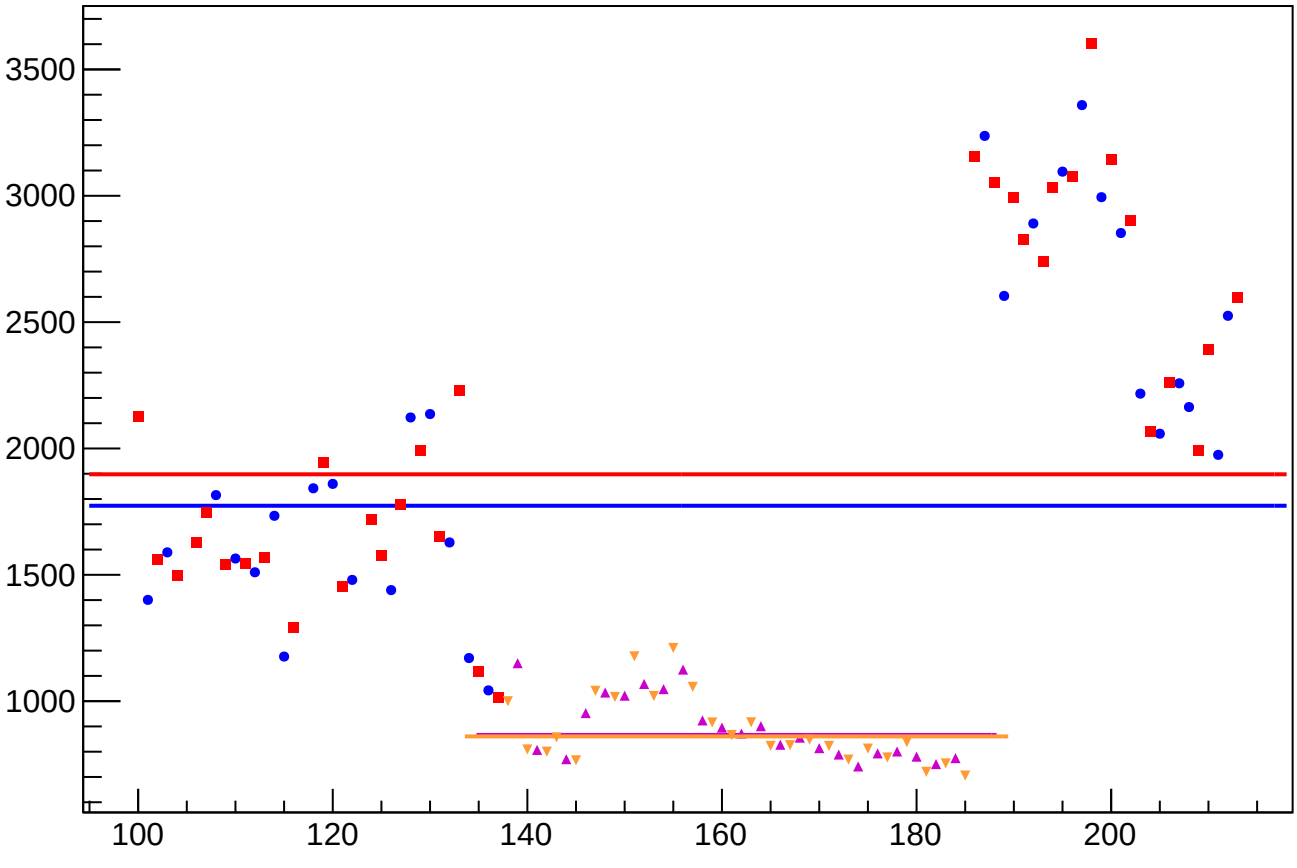
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -38.020+/-321.595 χ^2/NDF: 77.5/62

In: -194.765+/-186.118 χ^2/NDF:70.9/51

Out: -451.845+/-181.774 χ^2/NDF:105.5/58

All: -326.340+/-130.042 χ^2/NDF: 177.4/110



Right In: 1773.355+/-0.318 χ^2/NDF: 3510727.3/28

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

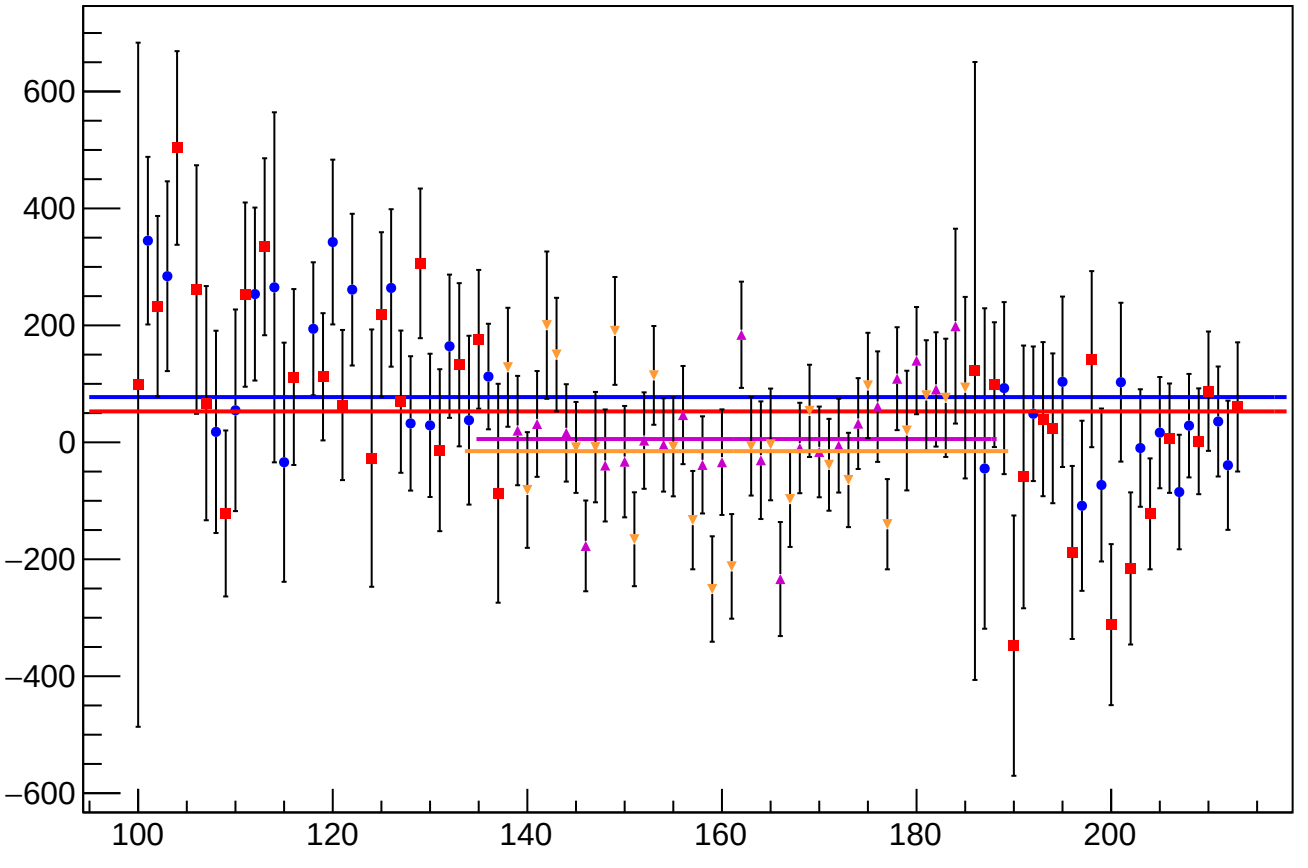
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1834.195+/-0.227 χ^2/NDF: 7279968.0/62

In: 1021.616+/-0.132 χ^2/NDF:10862935.9/51

Out: 1022.514+/-0.129 χ^2/NDF:12977643.3/58

All: 1022.076+/-0.092 χ^2/NDF: 23840602.9/1



Right In: 77.355+/-23.344 χ^2/NDF: 25.7/28

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

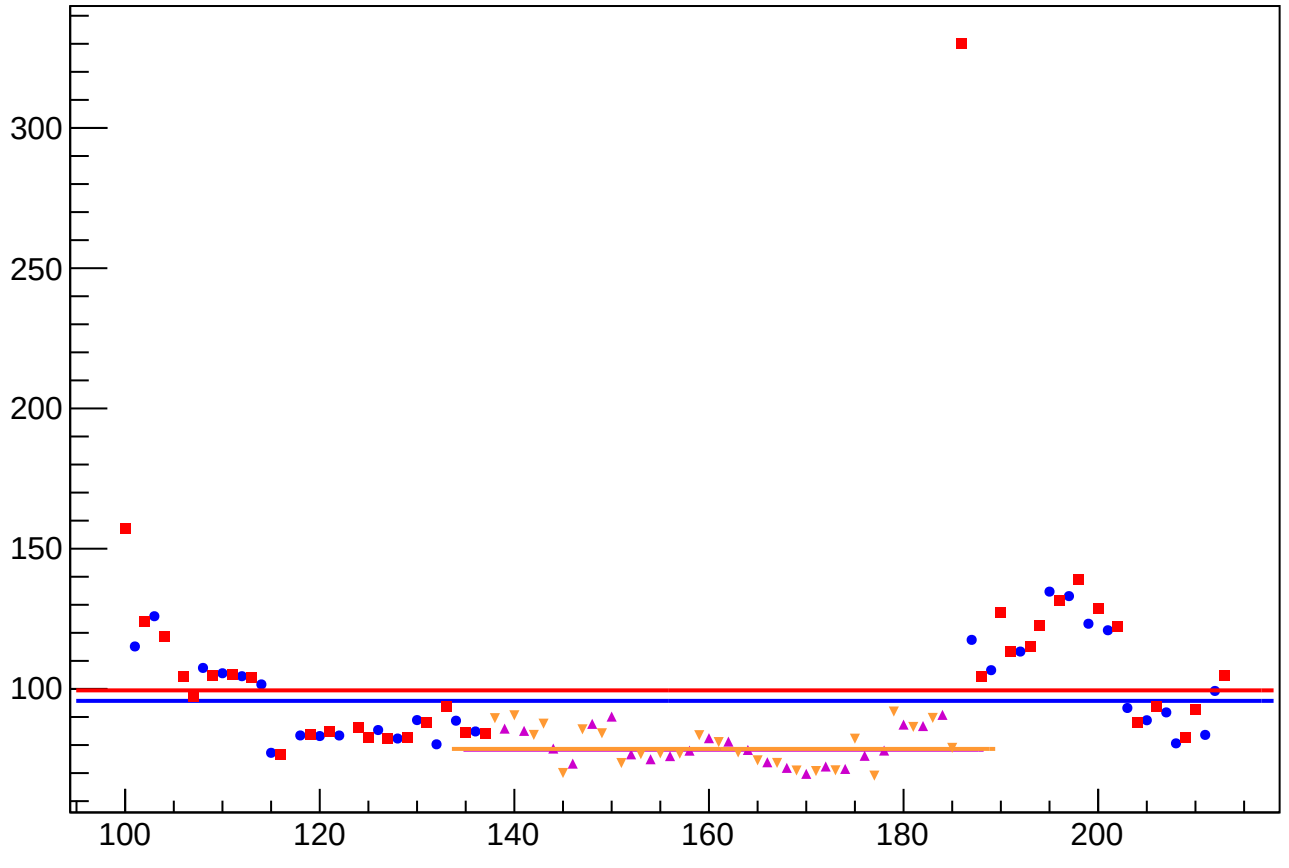
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 65.124+/-16.515 χ^2/NDF: 72.8/62

In: 33.078+/-14.442 χ^2/NDF:54.6/51

Out: 10.135+/-14.239 χ^2/NDF:93.5/58

All: 21.444+/-10.139 χ^2/NDF: 149.3/110



Right In: 95.747+/-0.017 χ^2/NDF: 926049.8/28

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

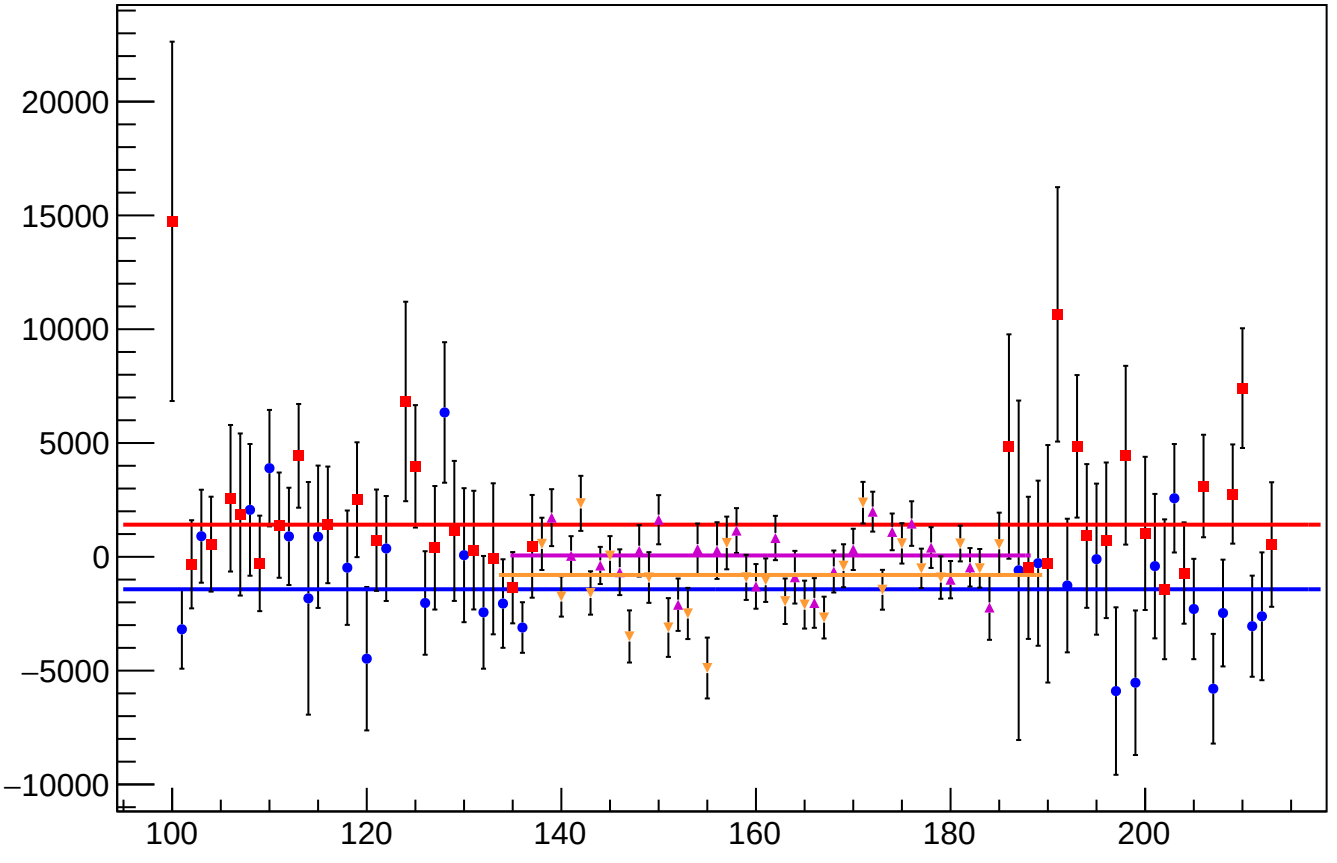
Right: 97.617+/-0.012 χ^2/NDF: 2362796.5/62

In: 84.999+/-0.010 χ^2/NDF:1822077.4/51

Out: 86.367+/-0.010 χ^2/NDF:2721525.5/58

All: 85.693+/-0.007 χ^2/NDF: 4552713.3/110

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1425.802+/-449.839 χ^2/NDF: 31.4/28

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

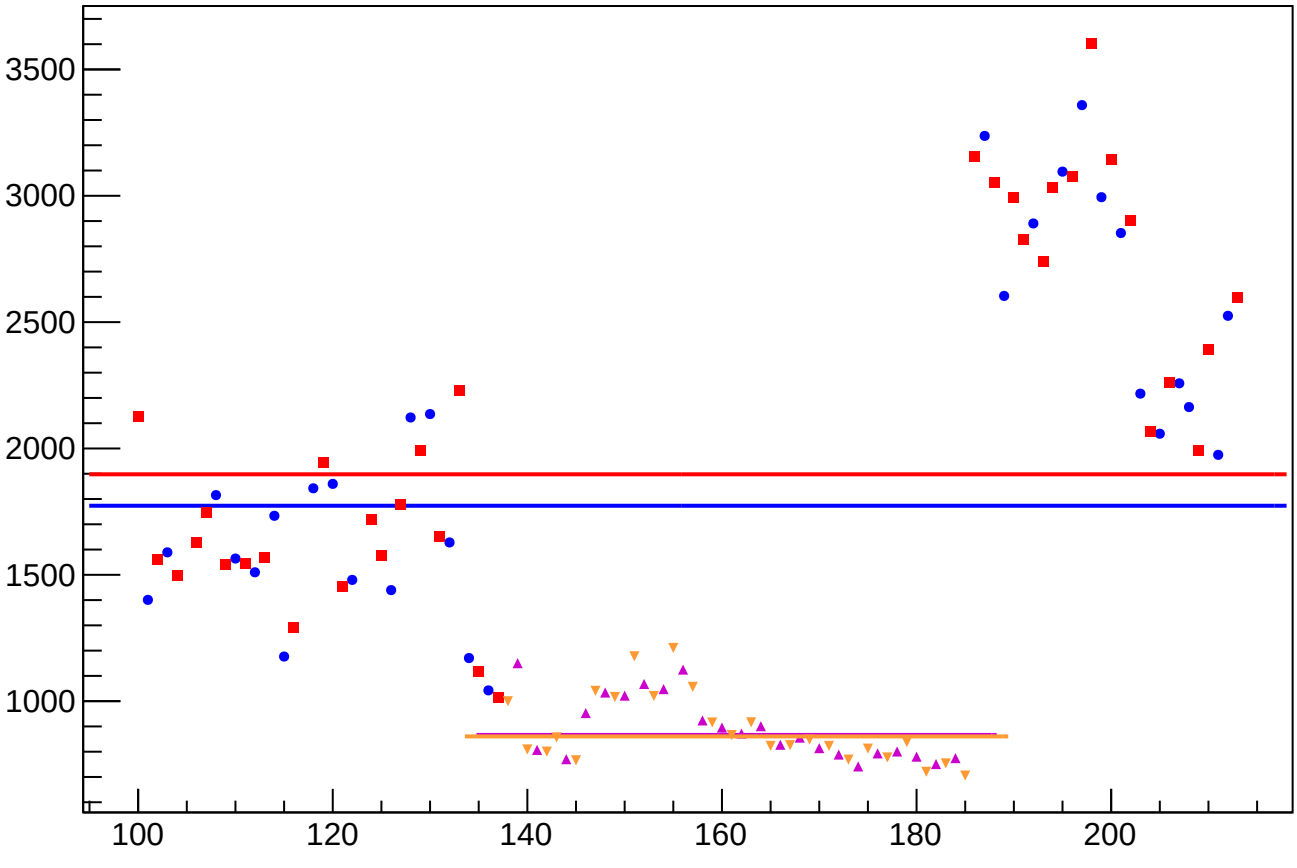
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -38.020+/-321.595 χ^2/NDF: 77.5/62

In: -194.765+/-186.118 χ^2/NDF:70.9/51

Out: -451.845+/-181.774 χ^2/NDF:105.5/58

All: -326.340+/-130.042 χ^2/NDF: 177.4/110



Right In: 1773.355+/-0.318 χ^2/NDF: 3510727.3/28

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

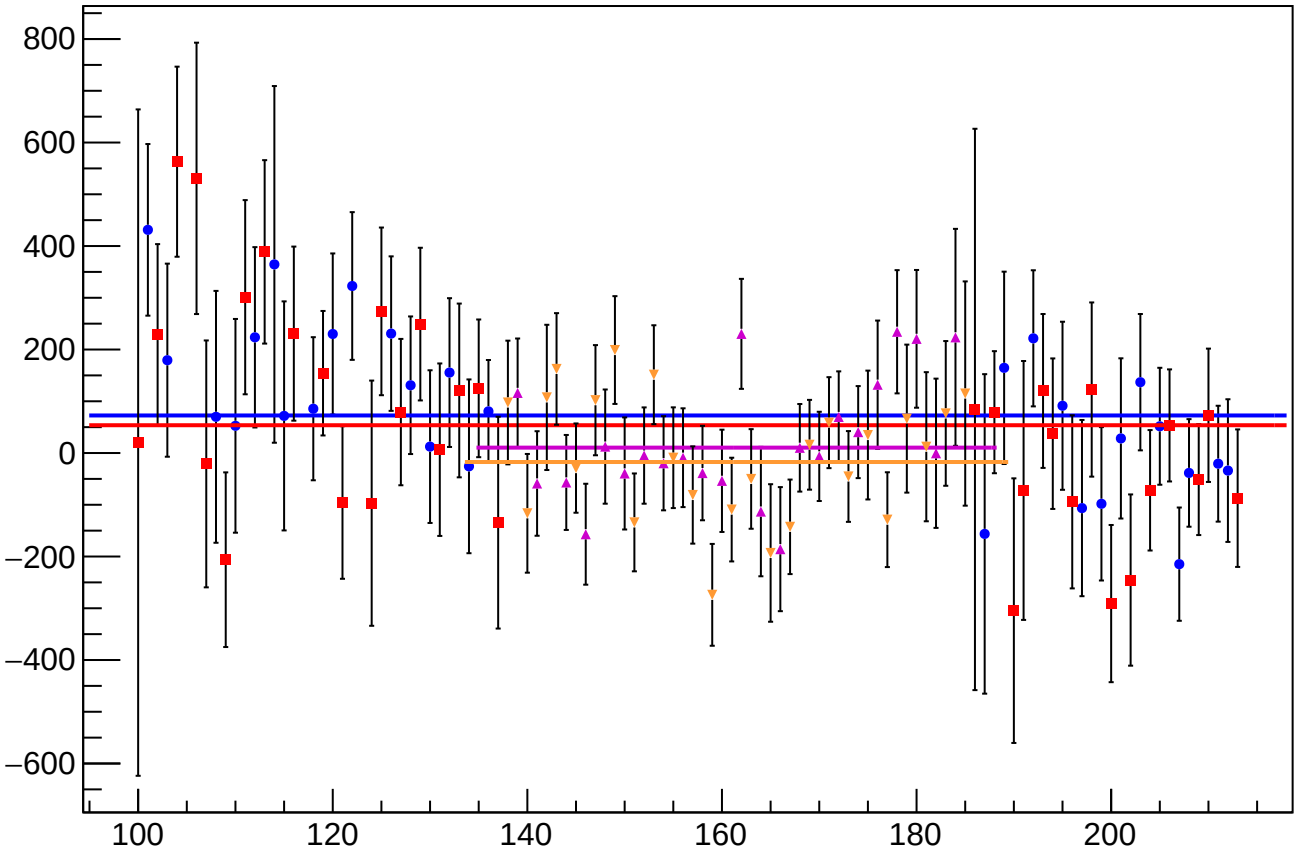
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1834.195+/-0.227 χ^2/NDF: 7279968.0/62

In: 1021.616+/-0.132 χ^2/NDF:10862935.9/51

Out: 1022.514+/-0.129 χ^2/NDF:12977643.3/58

All: 1022.076+/-0.092 χ^2/NDF: 23840602.9/1



Right In: 72.578+/-27.277 χ^2/NDF: 27.0/28

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

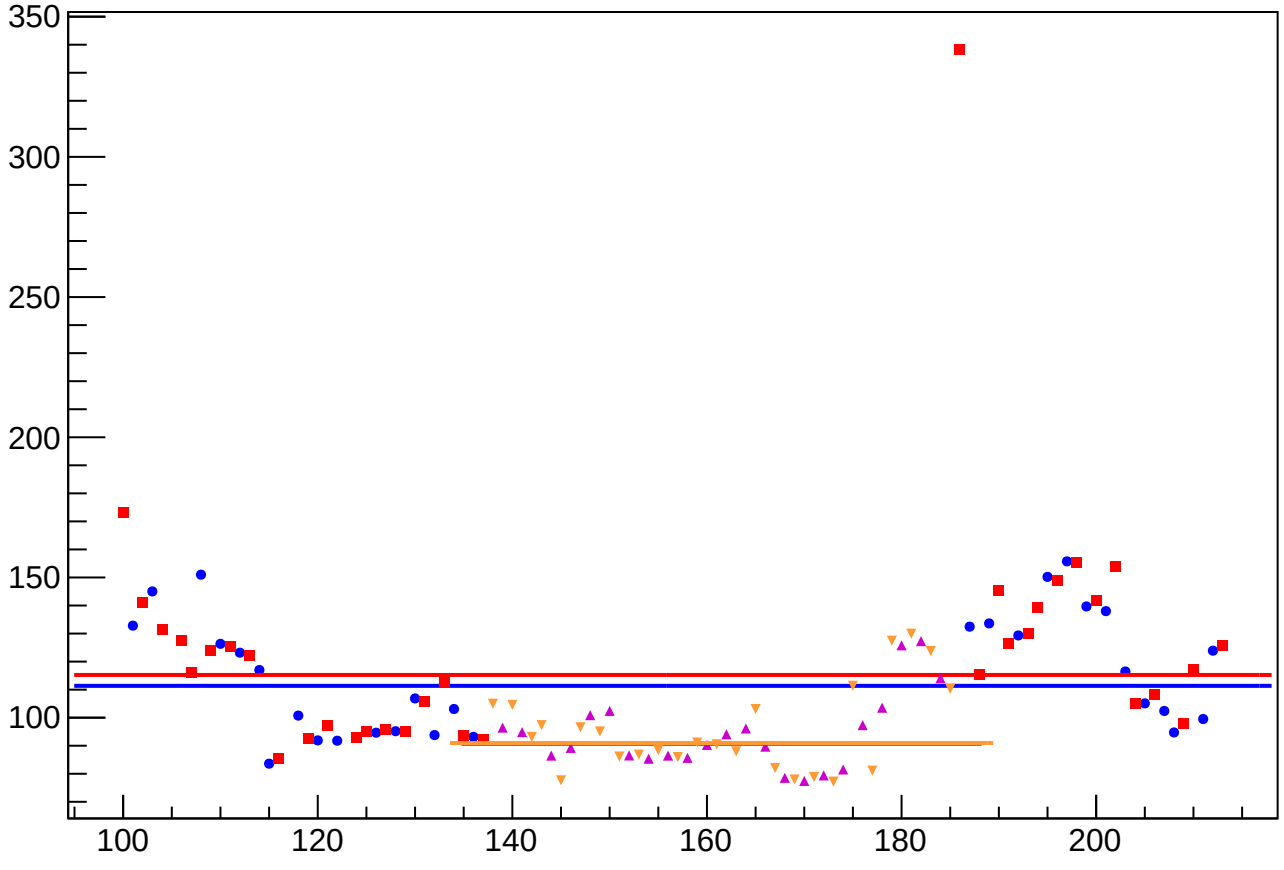
Right: 63.093+/-19.234 χ^2/NDF: 70.3/62

In: 34.238+/-16.887 χ^2/NDF:52.8/51

Out: 9.256+/-16.599 χ^2/NDF:78.6/58

All: 21.532+/-11.838 χ^2/NDF: 132.5/110

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 111.357+/-0.019 χ^2/NDF: 1013273.6/28

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

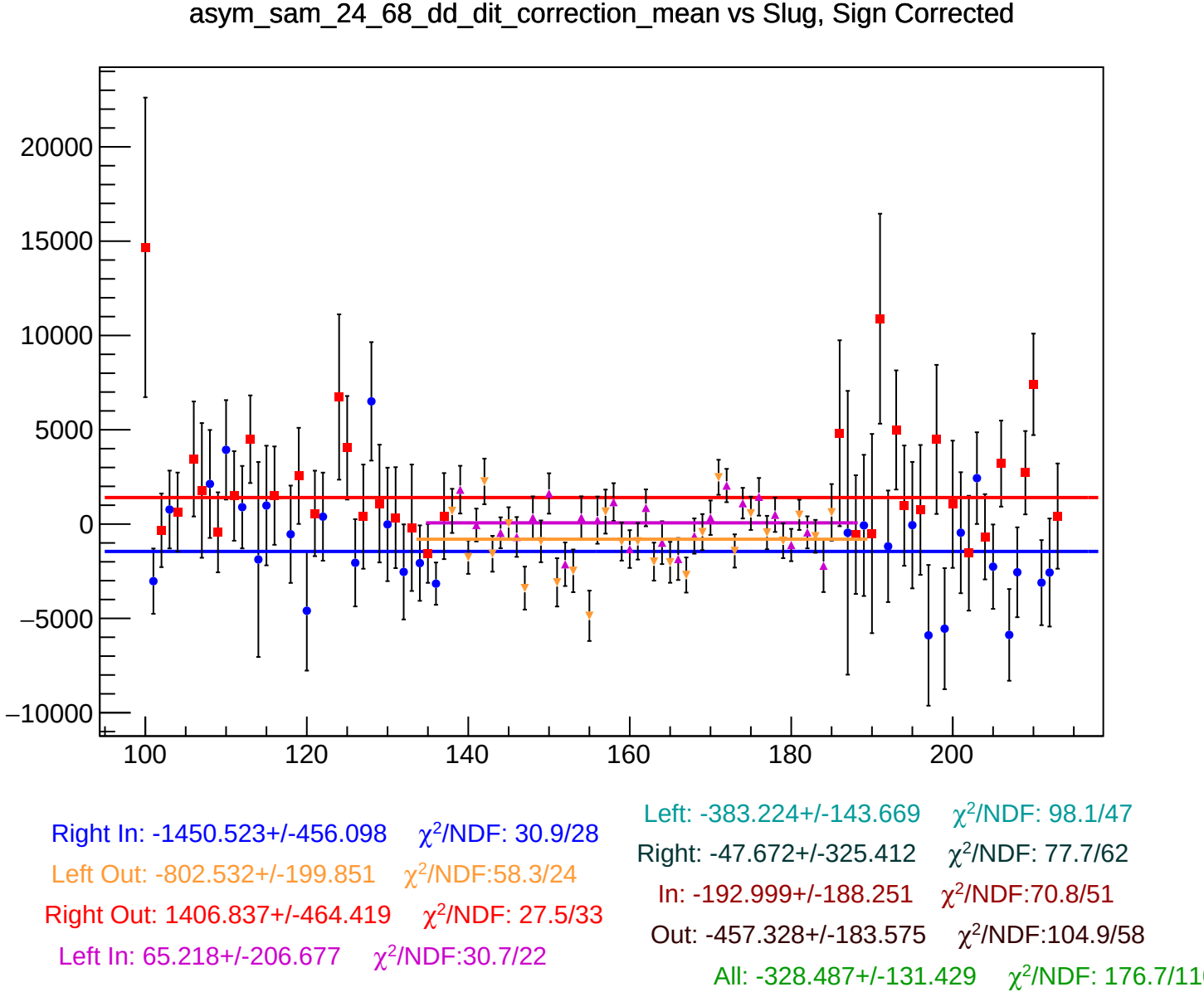
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

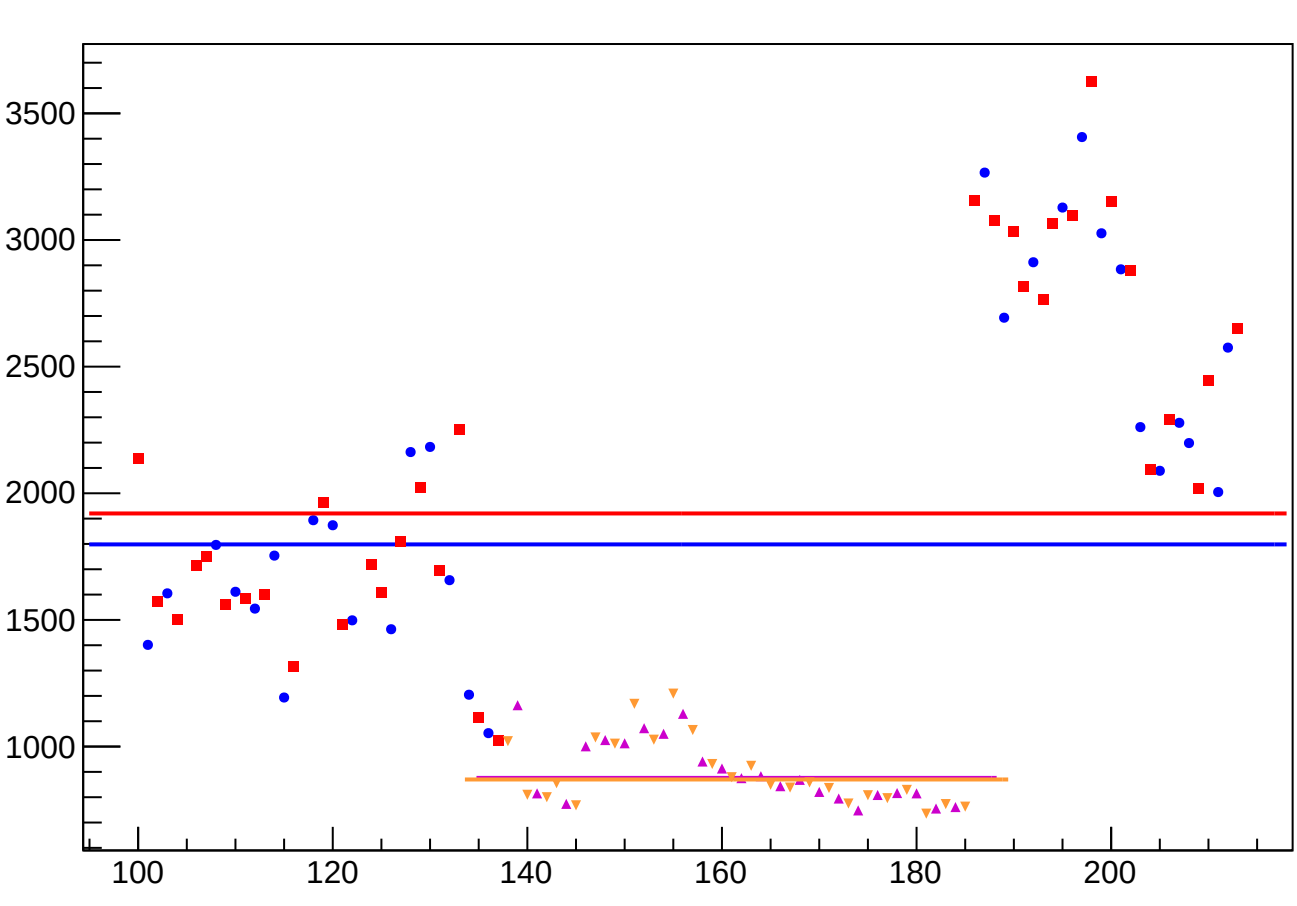
Right: 113.307+/-0.014 χ^2/NDF: 2396788.1/62

In: 98.611+/-0.012 χ^2/NDF:2267332.3/51

Out: 100.054+/-0.012 χ^2/NDF:3149174.6/58

All: 99.345+/-0.008 χ^2/NDF: 5423936.9/110


asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1450.523+/-456.098 χ²/NDF: 30.9/28
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: -47.672+/-325.412 χ²/NDF: 77.7/62
In: -192.999+/-188.251 χ²/NDF:70.8/51
Out: -457.328+/-183.575 χ²/NDF:104.9/58
All: -328.487+/-131.429 χ²/NDF: 176.7/110



Right In: 1798.161+/-0.323 χ^2/NDF: 3524064.9/28

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

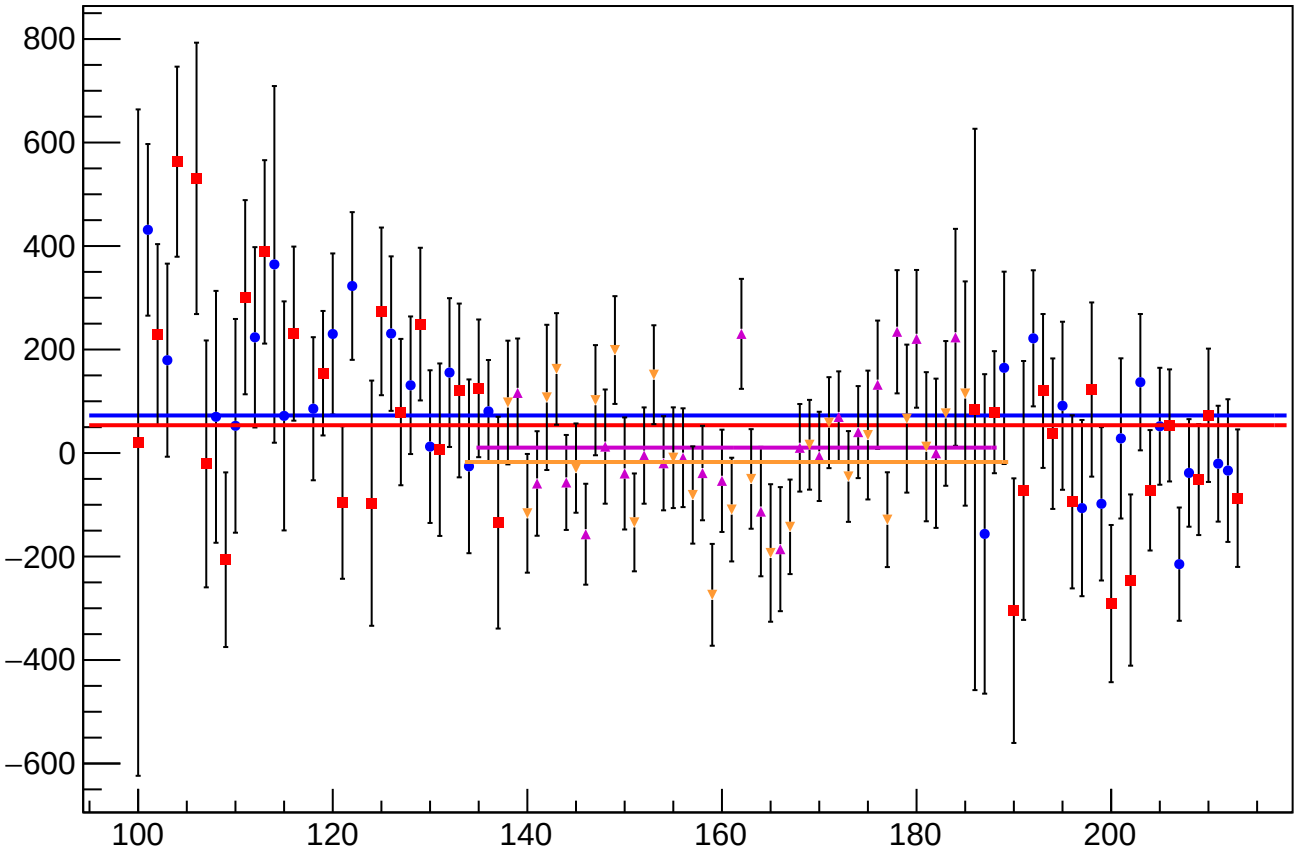
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1858.153+/-0.230 χ^2/NDF: 7270059.6/62

In: 1033.323+/-0.133 χ^2/NDF:10900204.1/51

Out: 1034.120+/-0.130 χ^2/NDF:12954351.6/58

All: 1033.732+/-0.093 χ^2/NDF: 23854574.1/1



Right In: 72.581+/-27.277 χ^2/NDF: 27.0/28

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 53.713+/-27.125 χ^2/NDF: 43.1/33

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

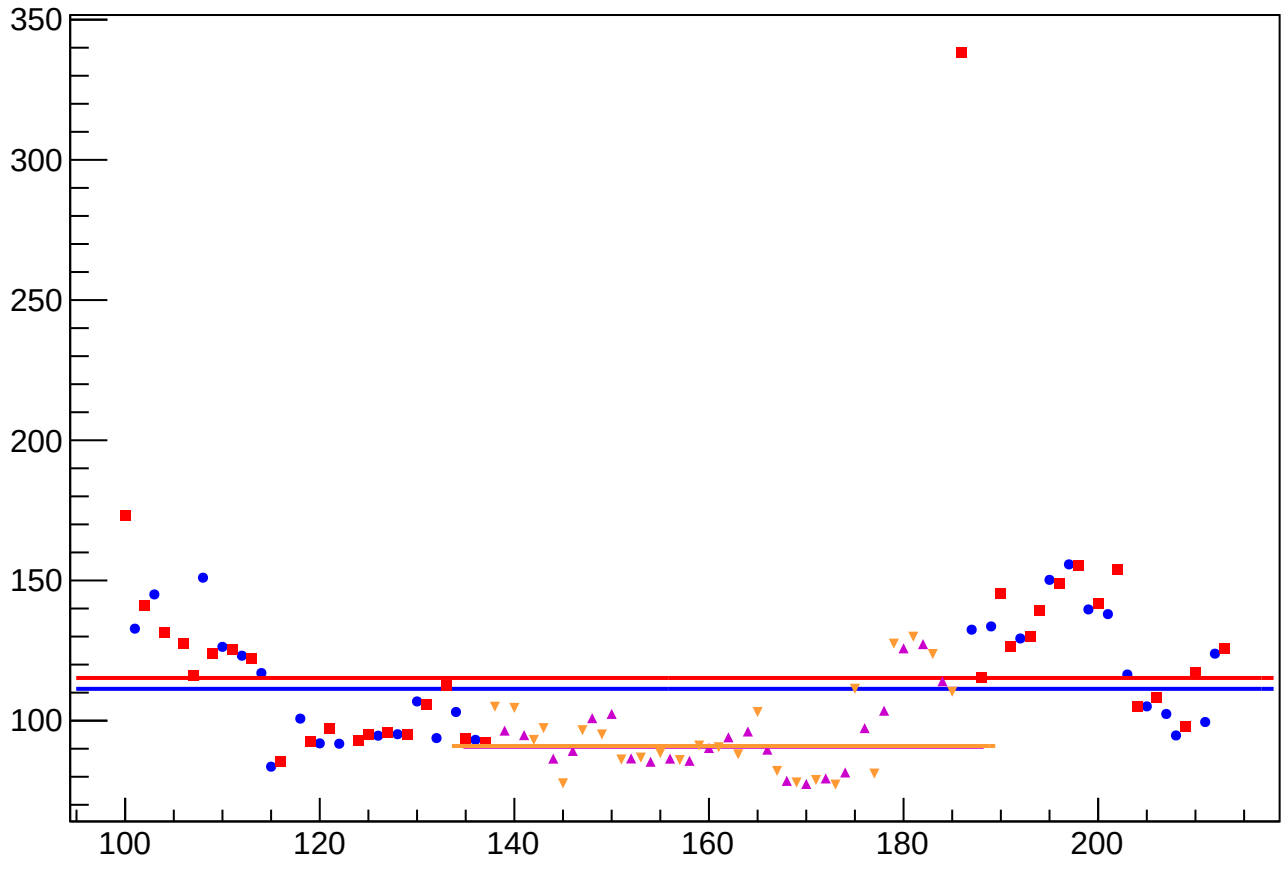
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 63.094+/-19.234 χ^2/NDF: 70.3/62

In: 34.240+/-16.887 χ^2/NDF:52.8/51

Out: 9.256+/-16.599 χ^2/NDF:78.6/58

All: 21.533+/-11.838 χ^2/NDF: 132.5/110



Right In: 111.357+/-0.019 χ^2/NDF: 1013287.7/28

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

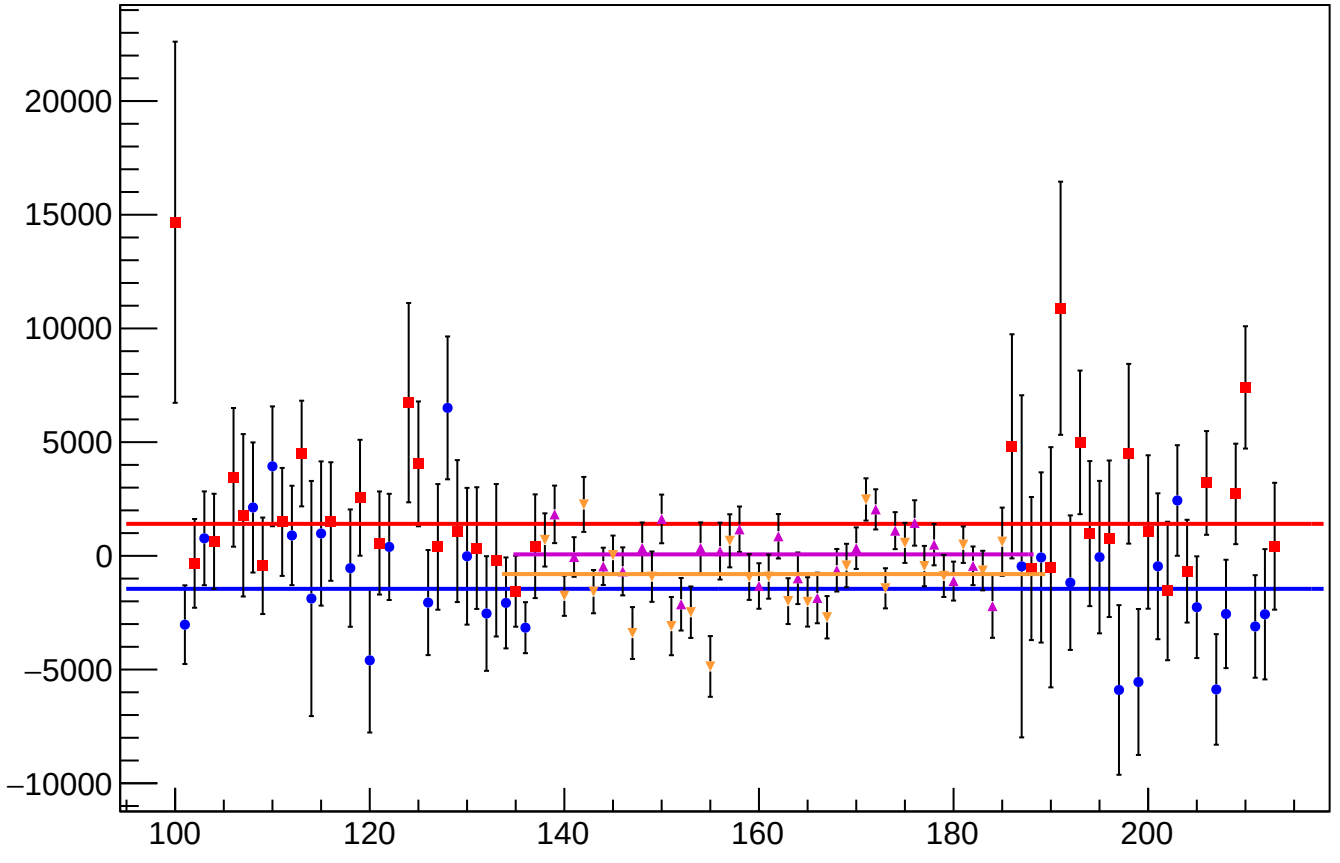
Right: 113.307+/-0.014 χ^2/NDF: 2396822.2/62

In: 98.611+/-0.012 χ^2/NDF:2267306.5/51

Out: 100.054+/-0.012 χ^2/NDF:3149161.1/58

All: 99.345+/-0.008 χ^2/NDF: 5423899.0/110

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1450.518+/-456.097 χ^2/NDF: 30.9/28

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

Right Out: 1406.835+/-464.419 χ^2/NDF: 27.5/33

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

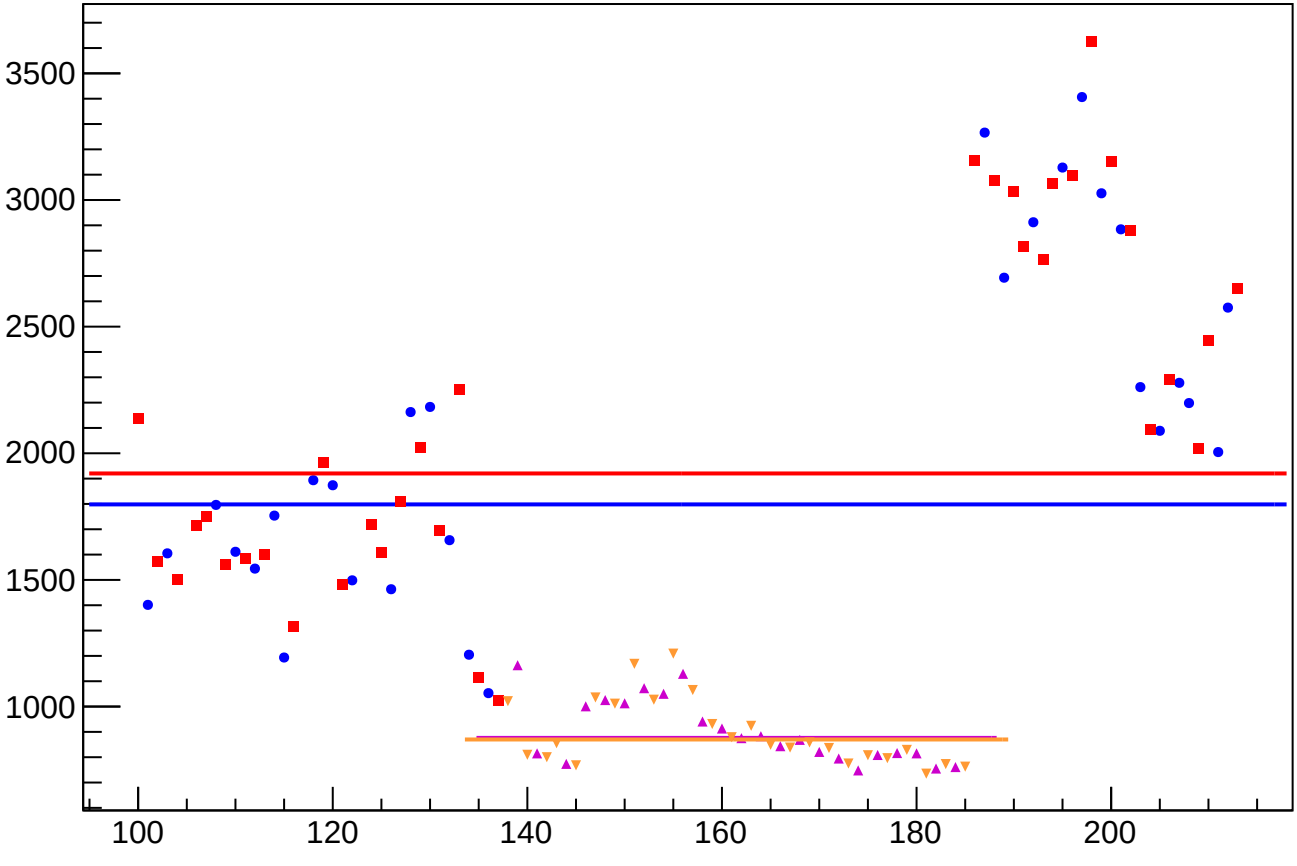
Right: -47.671+/-325.412 χ^2/NDF: 77.7/62

In: -192.999+/-188.251 χ^2/NDF:70.8/51

Out: -457.327+/-183.575 χ^2/NDF:104.9/58

All: -328.487+/-131.429 χ^2/NDF: 176.7/110

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1798.159+/-0.323 χ^2/NDF: 3524073.4/28

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

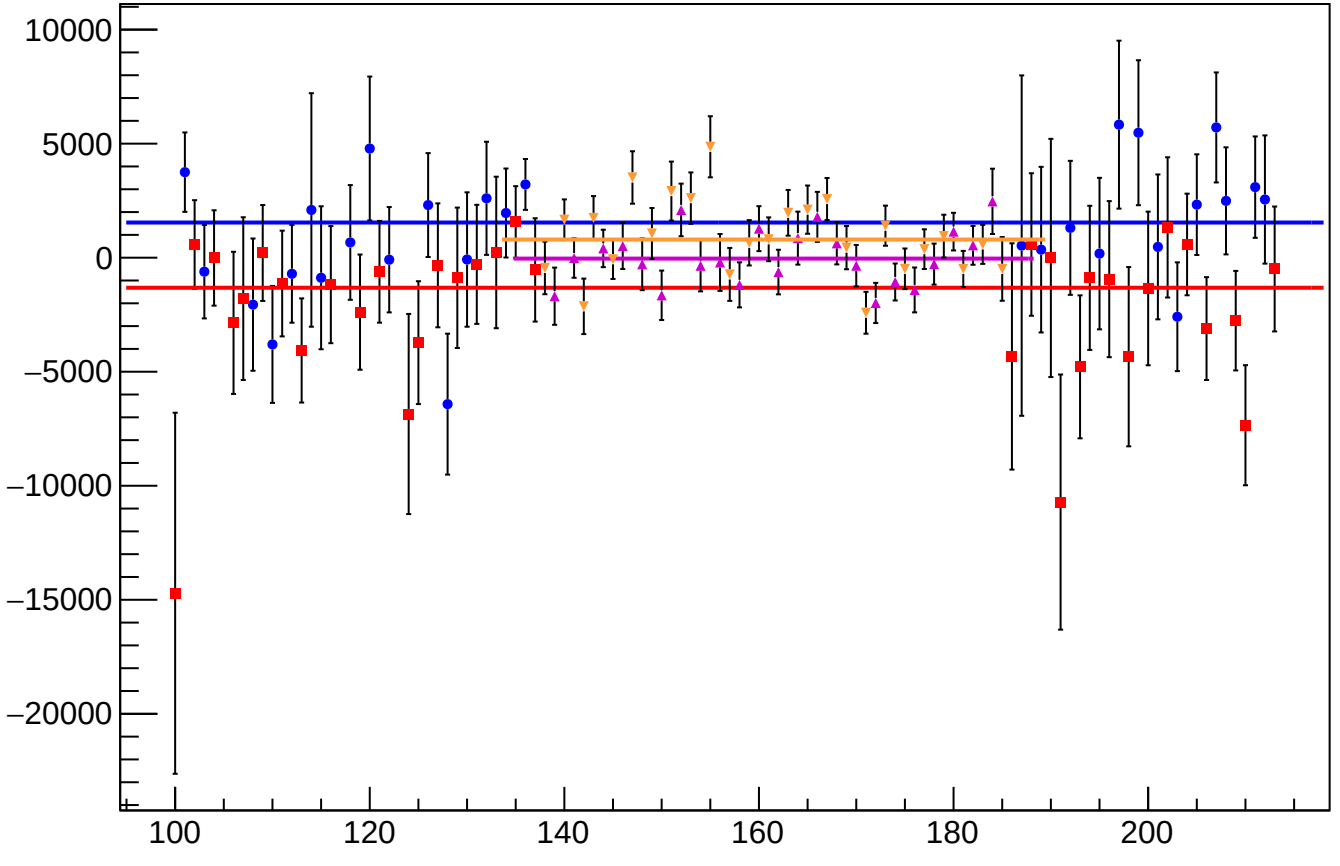
Right: 1858.150+/-0.230 χ^2/NDF: 7270081.0/62

In: 1033.322+/-0.133 χ^2/NDF:10900203.8/51

Out: 1034.120+/-0.130 χ^2/NDF:12954351.6/58

All: 1033.731+/-0.093 χ^2/NDF: 23854573.8/

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1541.681+/-450.800 χ^2/NDF: 31.7/28

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

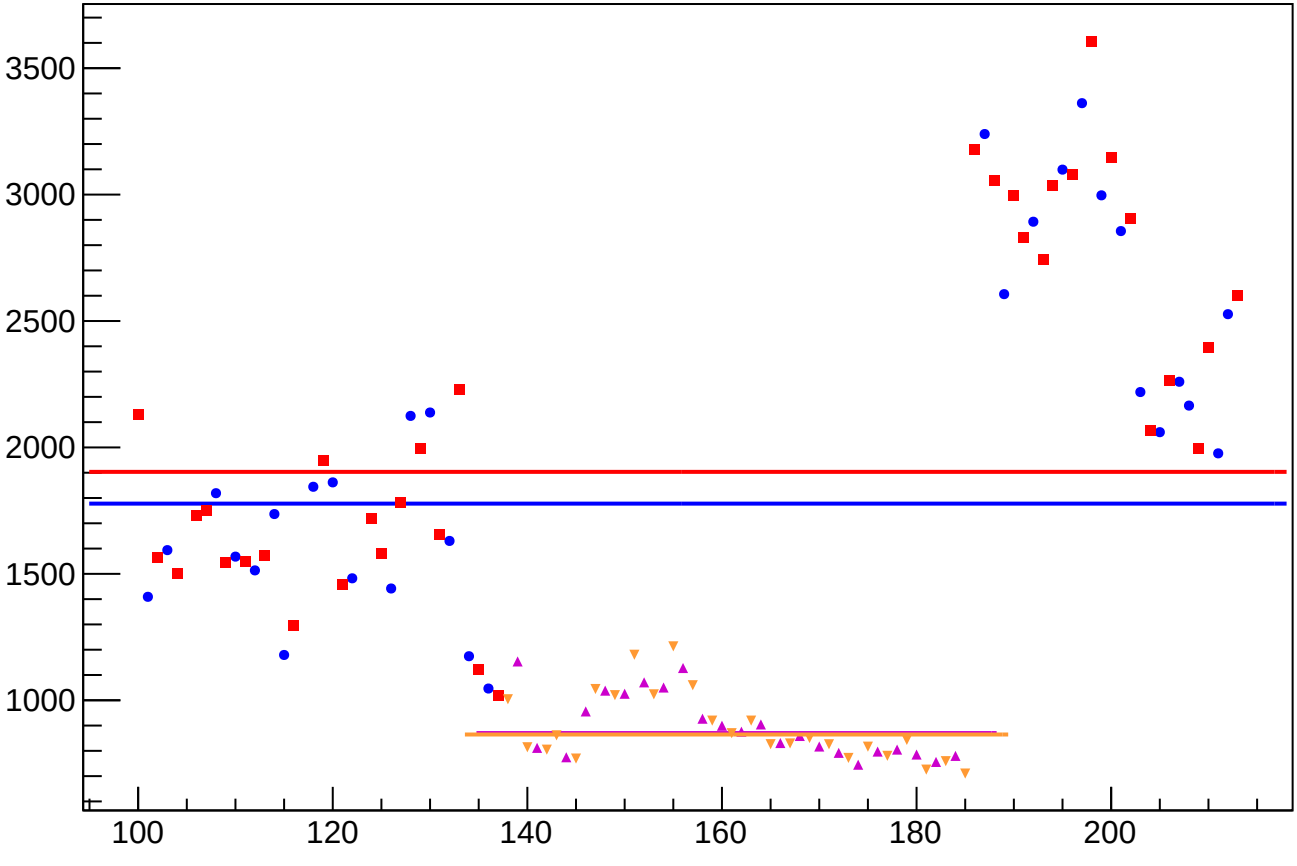
Right: 142.062+/-322.112 χ^2/NDF: 77.9/62

In: 232.011+/-186.874 χ^2/NDF:71.6/51

Out: 464.058+/-182.515 χ^2/NDF:101.4/58

All: 350.773+/-130.572 χ^2/NDF: 173.9/110

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1777.782+/-0.319 χ^2/NDF: 3489584.9/28

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

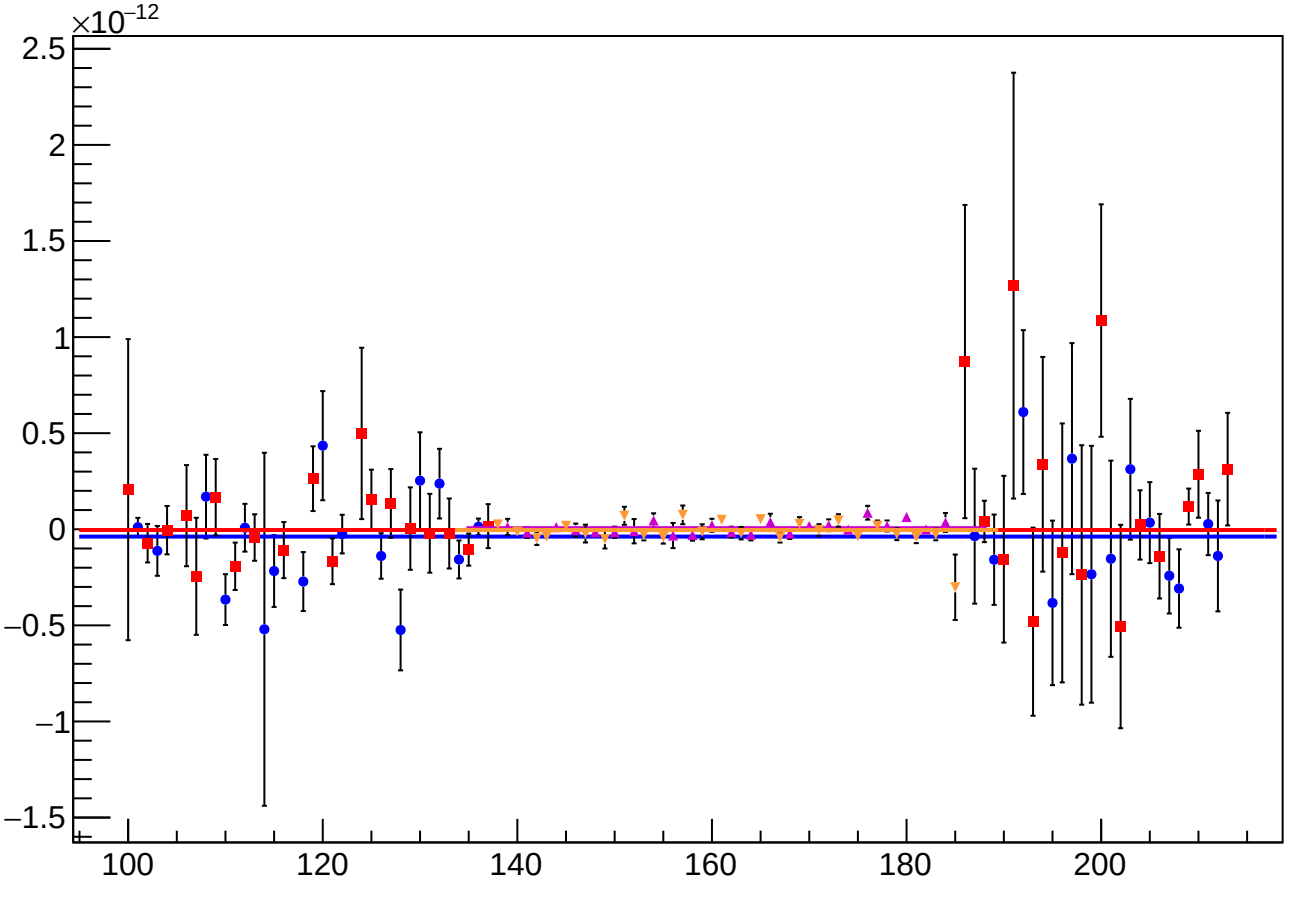
Right: 1839.258+/-0.228 χ^2/NDF: 7238107.6/62

In: 1026.282+/-0.132 χ^2/NDF:10805405.1/51

Out: 1027.865+/-0.129 χ^2/NDF:12941596.5/58

All: 1027.092+/-0.092 χ^2/NDF: 23747074.9/1

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 35.4/28

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

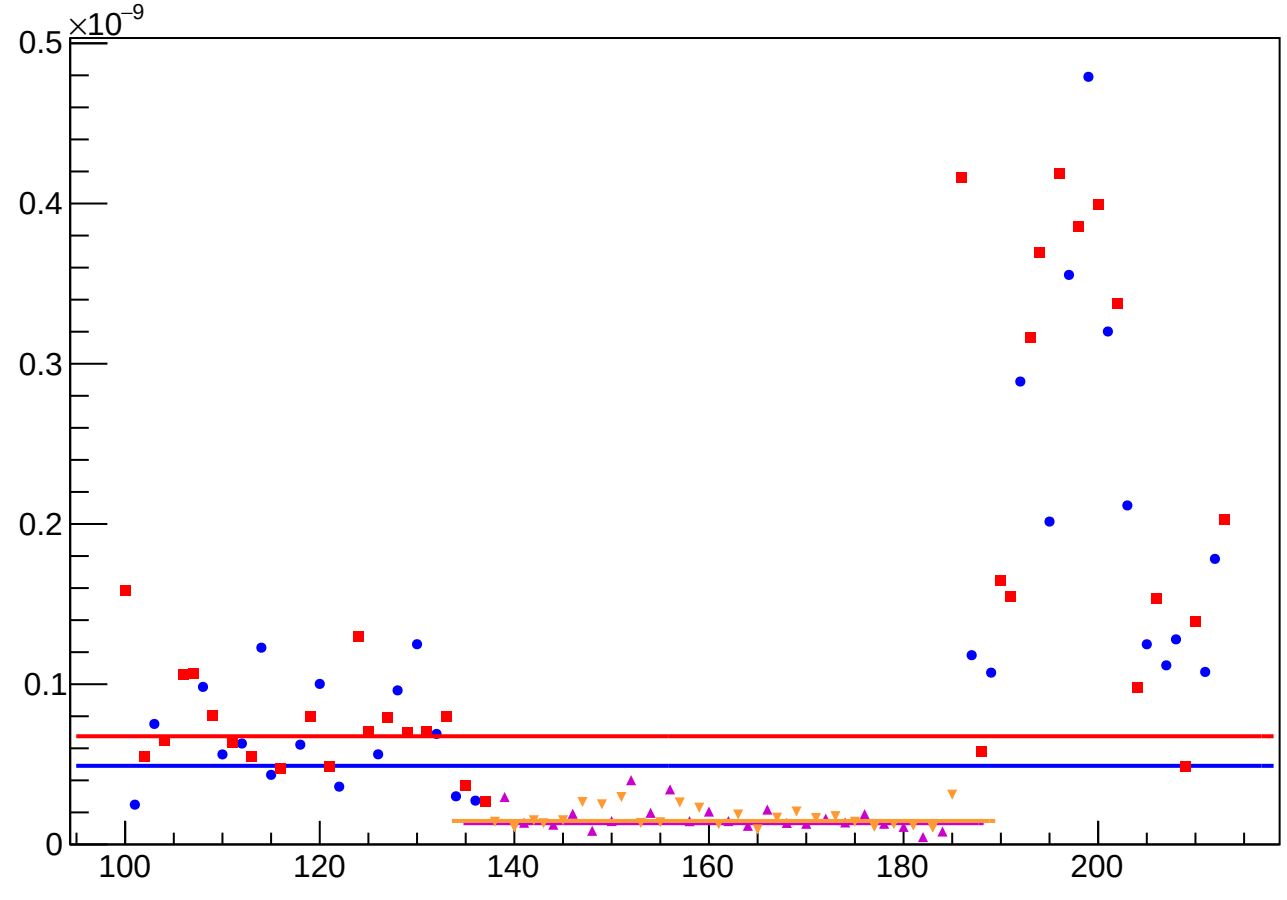
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 63.3/62

In: 0.000+/-0.000 χ^2/NDF:59.2/51

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: -0.000+/-0.000 χ^2/NDF: 125.7/110



Right In: 0.000+/-0.000 χ^2/NDF: 6556736.6/28

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

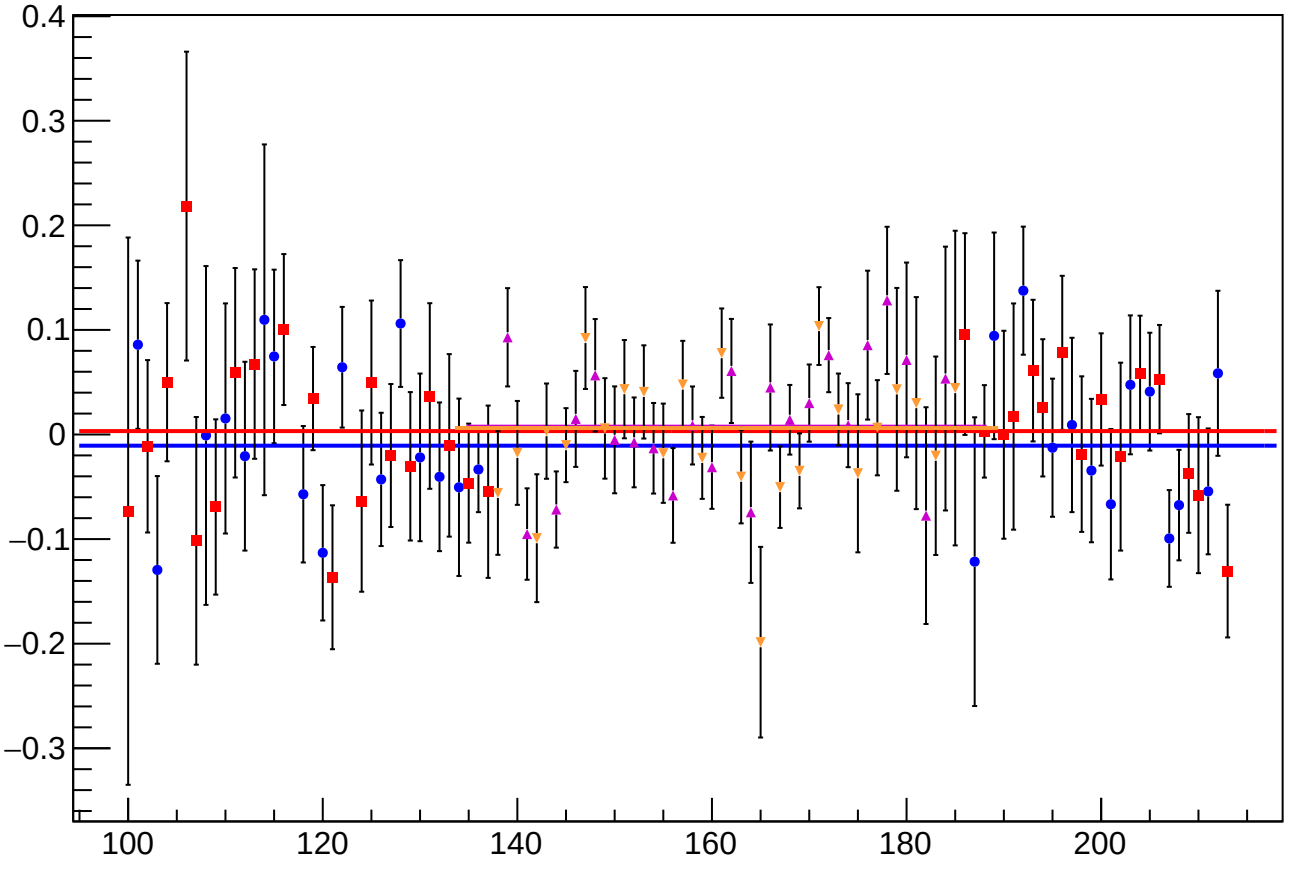
Right: 0.000+/-0.000 χ^2/NDF: 12671705.3/62

In: 0.000+/-0.000 χ^2/NDF:12793842.9/51

Out: 0.000+/-0.000 χ^2/NDF:13054325.1/58

All: 0.000+/-0.000 χ^2/NDF: 25906458.4/110

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.013 χ^2/NDF: 30.4/28

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

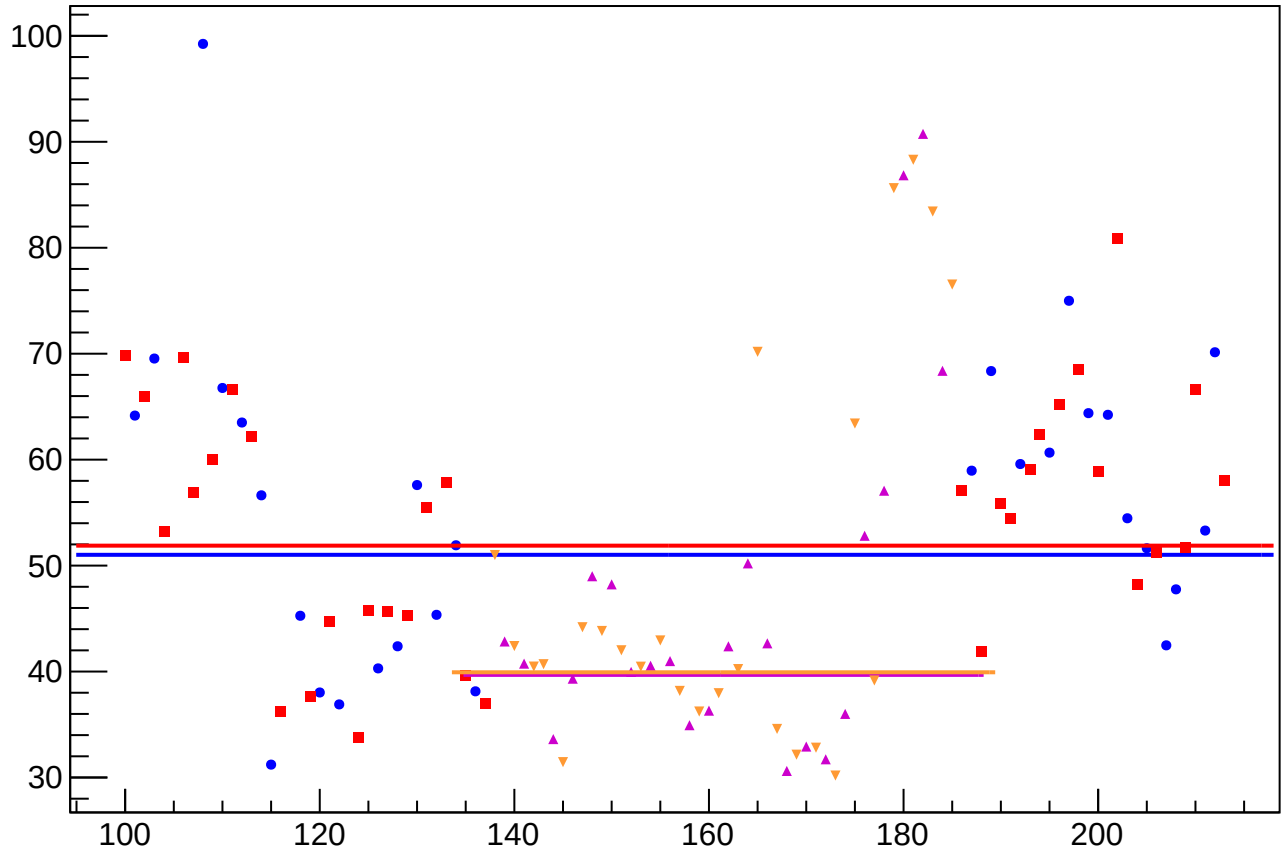
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.004+/-0.009 χ^2/NDF: 55.8/62

In: 0.001+/-0.008 χ^2/NDF:62.1/51

Out: 0.005+/-0.008 χ^2/NDF:55.6/58

All: 0.003+/-0.005 χ^2/NDF: 117.9/110



Right In: 51.018+/-0.009 χ^2/NDF: 1711355.7/28

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

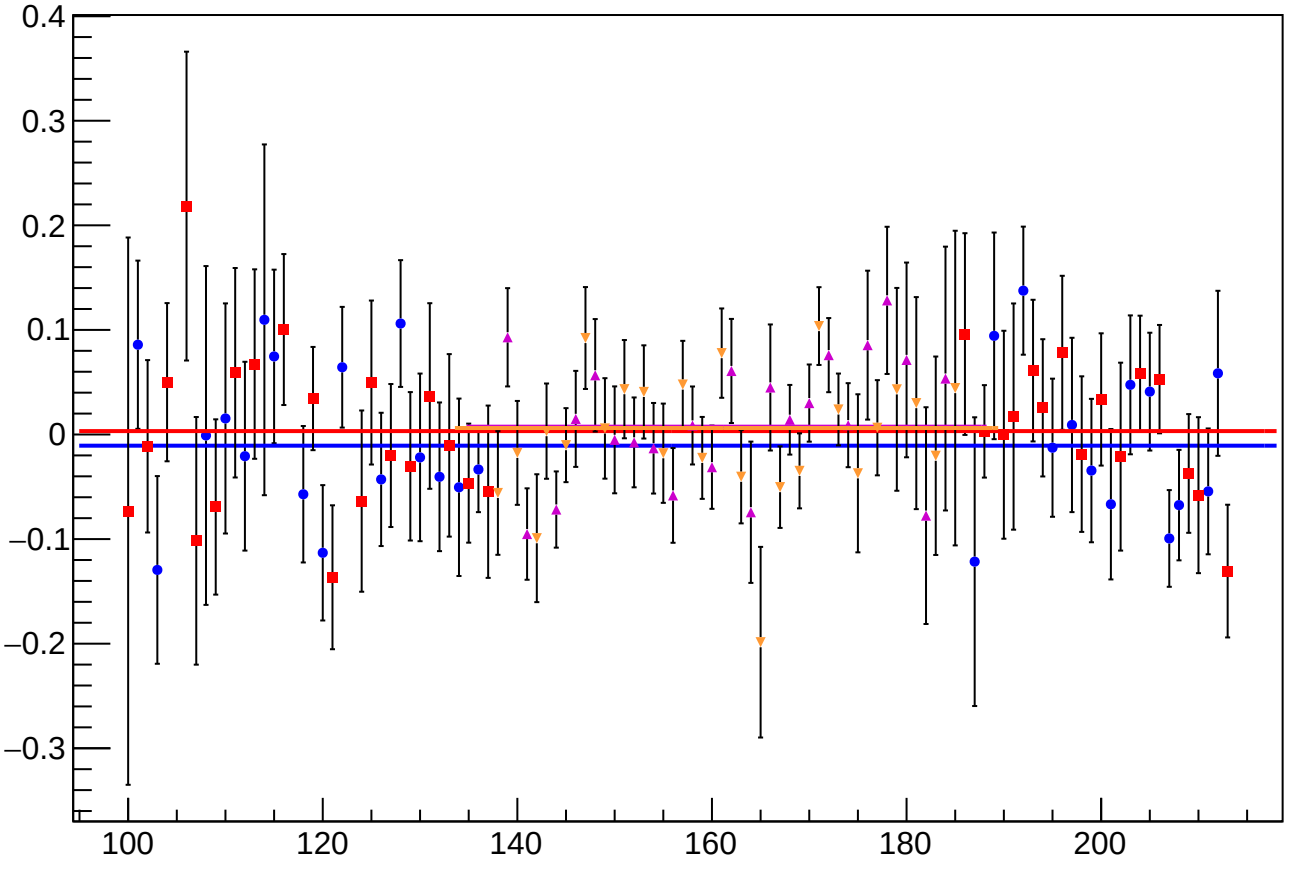
Right: 51.464+/-0.006 χ^2/NDF: 3179598.2/62

In: 43.856+/-0.005 χ^2/NDF:4616543.7/51

Out: 44.385+/-0.005 χ^2/NDF:5101465.5/58

All: 44.127+/-0.004 χ^2/NDF: 9722753.3/110

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.013 χ^2/NDF: 30.4/28

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

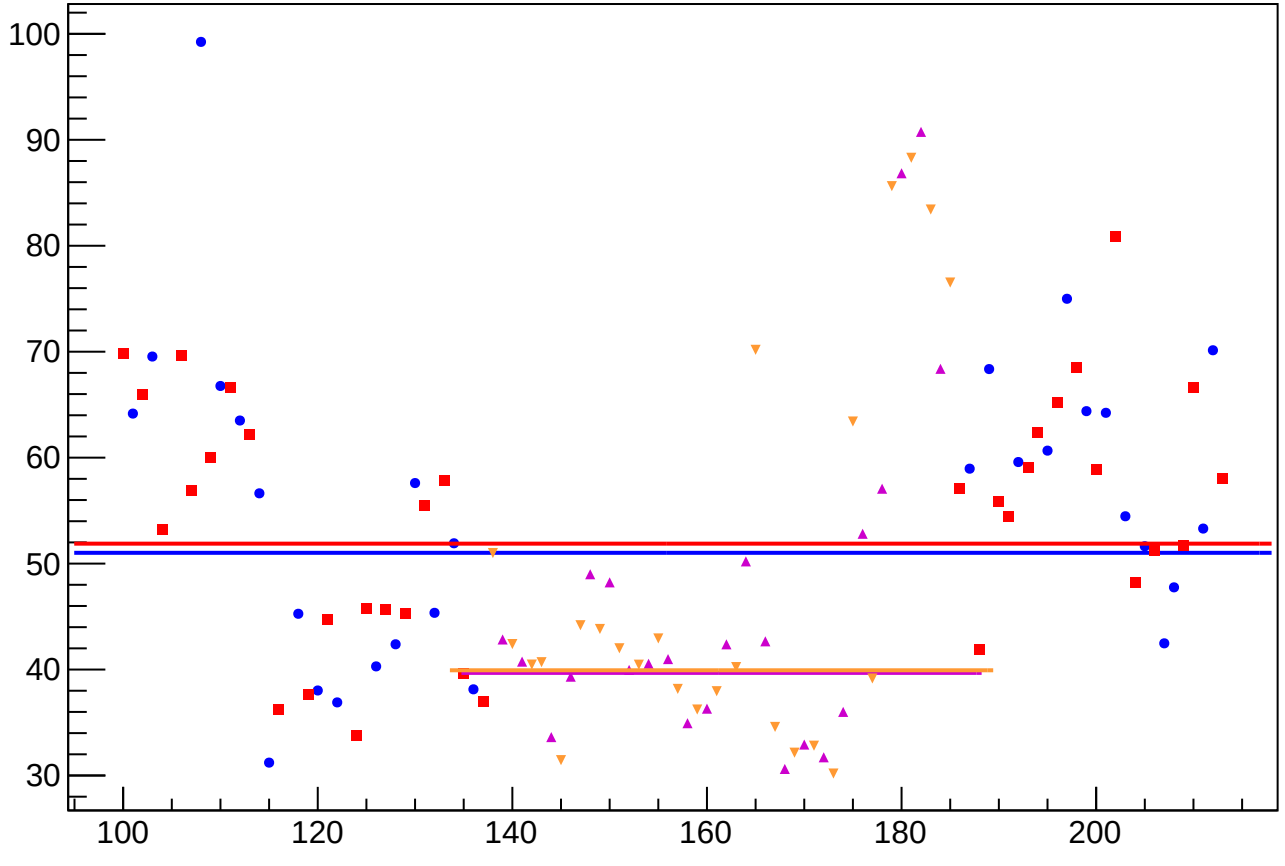
Right: -0.004+/-0.009 χ^2/NDF: 55.8/62

In: 0.001+/-0.008 χ^2/NDF:62.1/51

Out: 0.005+/-0.008 χ^2/NDF:55.6/58

All: 0.003+/-0.005 χ^2/NDF: 117.9/110

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.018+/-0.009 χ^2/NDF: 1711355.7/28

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

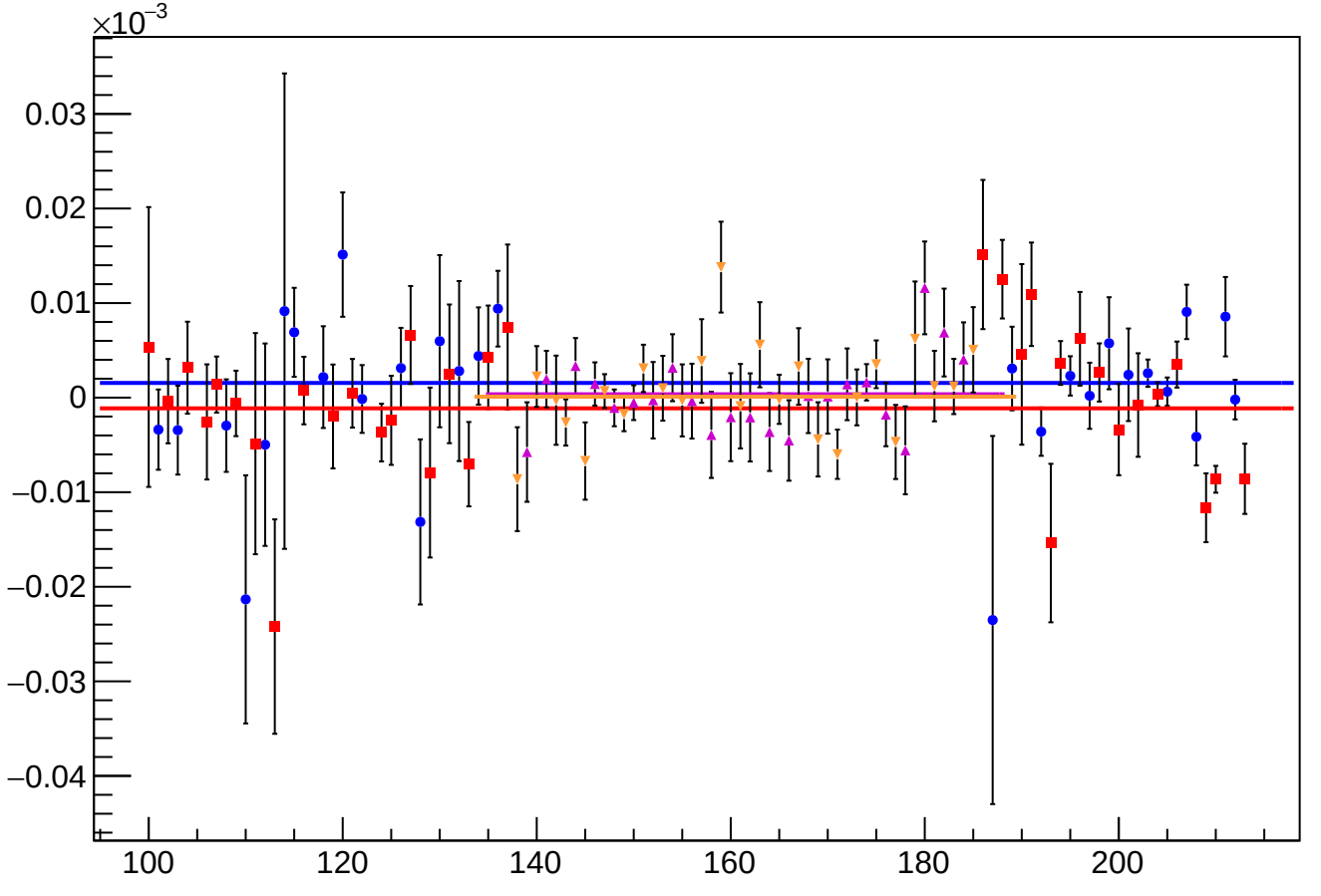
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.464+/-0.006 χ^2/NDF: 3179598.2/62

In: 43.856+/-0.005 χ^2/NDF:4616543.7/51

Out: 44.385+/-0.005 χ^2/NDF:5101465.5/58

All: 44.127+/-0.004 χ^2/NDF: 9722753.3/110



Right In: 0.000+/-0.000 χ^2/NDF: 41.7/28

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

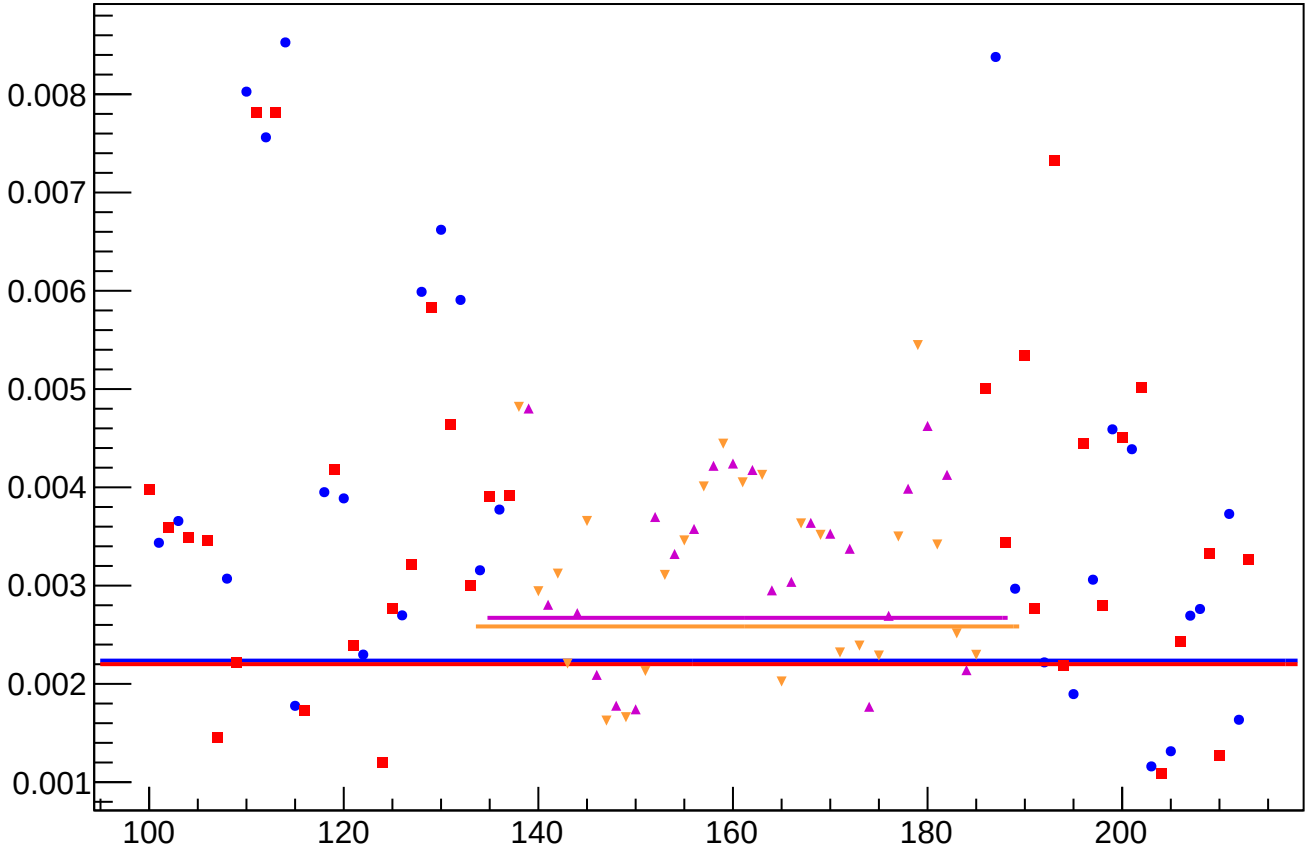
Right: 0.000+/-0.000 χ^2/NDF: 142.2/62

In: 0.000+/-0.000 χ^2/NDF:62.1/51

Out: -0.000+/-0.000 χ^2/NDF:126.1/58

All: 0.000+/-0.000 χ^2/NDF: 194.3/110

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6938914.3/28

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

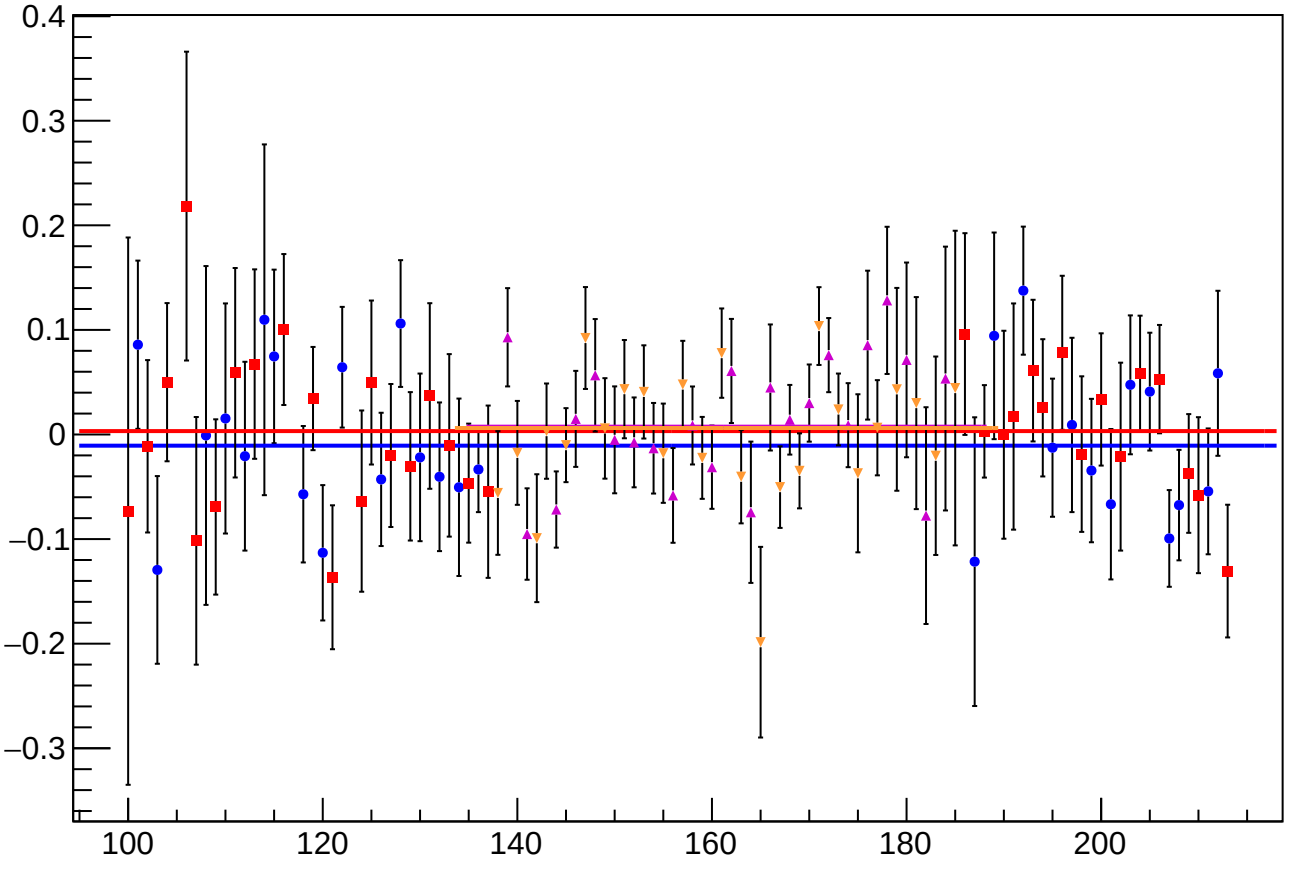
Right: 0.002+/-0.000 χ^2/NDF: 15677471.5/62

In: 0.002+/-0.000 χ^2/NDF:11217586.3/51

Out: 0.002+/-0.000 χ^2/NDF:13022630.7/58

All: 0.002+/-0.000 χ^2/NDF: 24256338.0/110

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.013 χ^2/NDF: 30.4/28

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

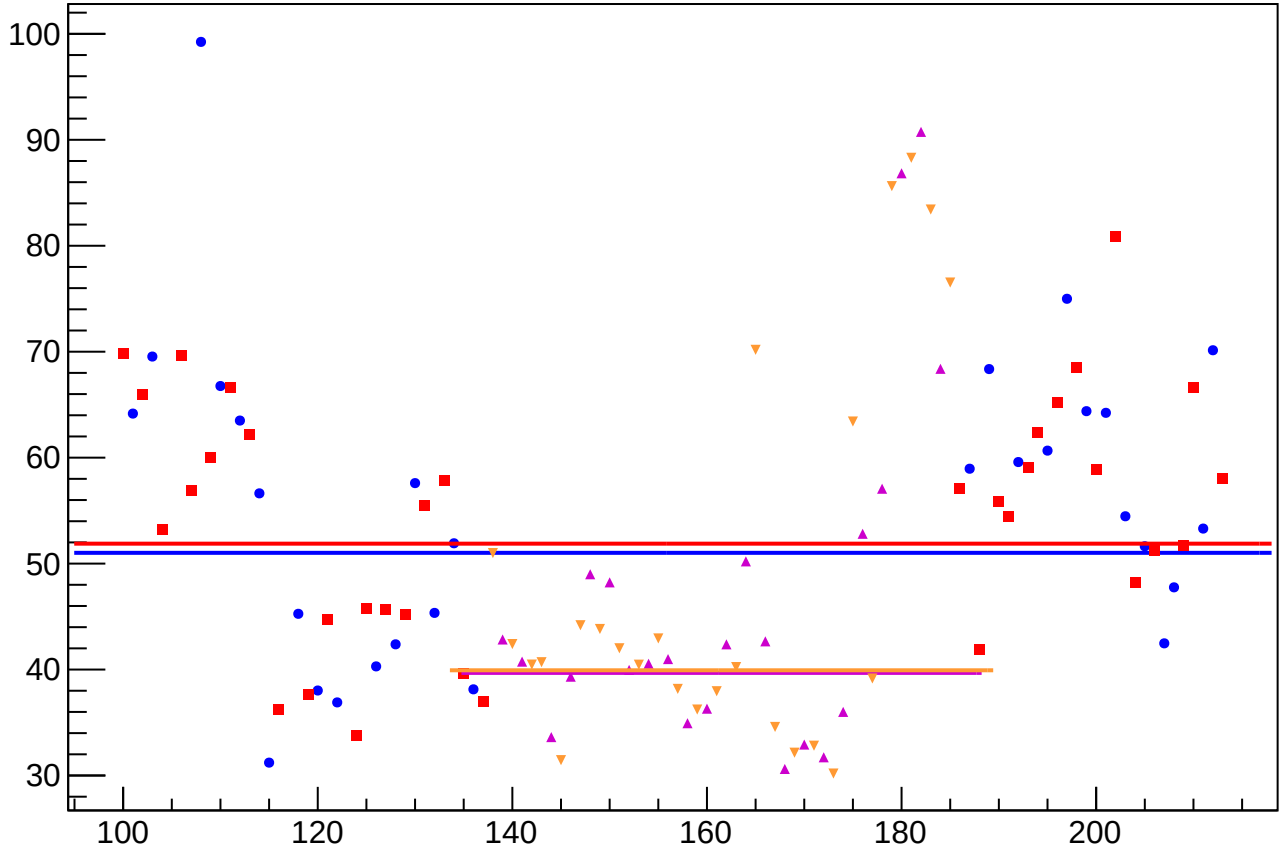
Right: -0.004+/-0.009 χ^2/NDF: 55.8/62

In: 0.001+/-0.008 χ^2/NDF:62.1/51

Out: 0.005+/-0.008 χ^2/NDF:55.6/58

All: 0.003+/-0.005 χ^2/NDF: 117.9/110

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.017+/-0.009 χ^2/NDF: 1711425.5/28

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

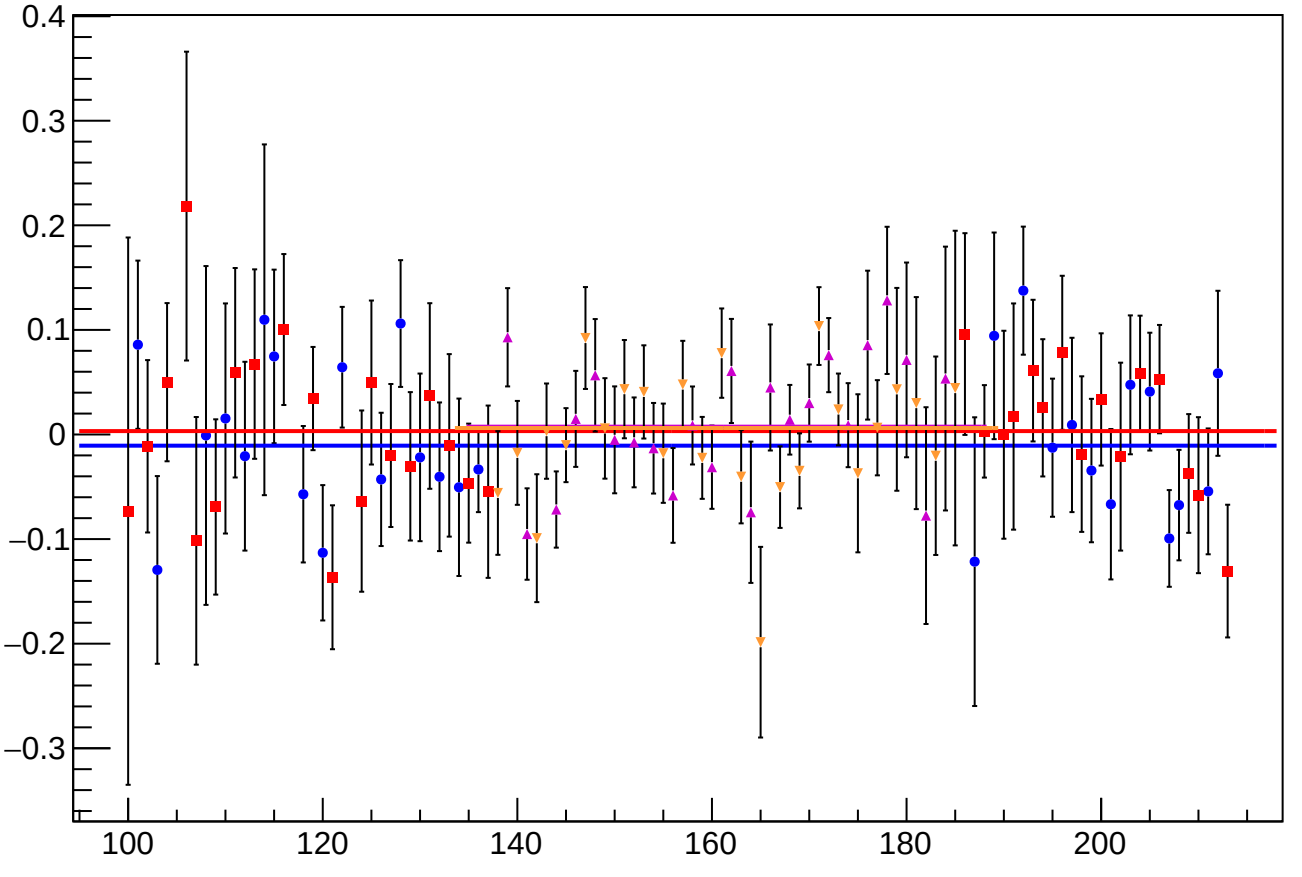
Right: 51.463+/-0.006 χ^2/NDF: 3179708.5/62

In: 43.856+/-0.005 χ^2/NDF:4616517.8/51

Out: 44.385+/-0.005 χ^2/NDF:5101413.1/58

All: 44.127+/-0.004 χ^2/NDF: 9722680.8/110

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.013 χ^2/NDF: 30.4/28

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

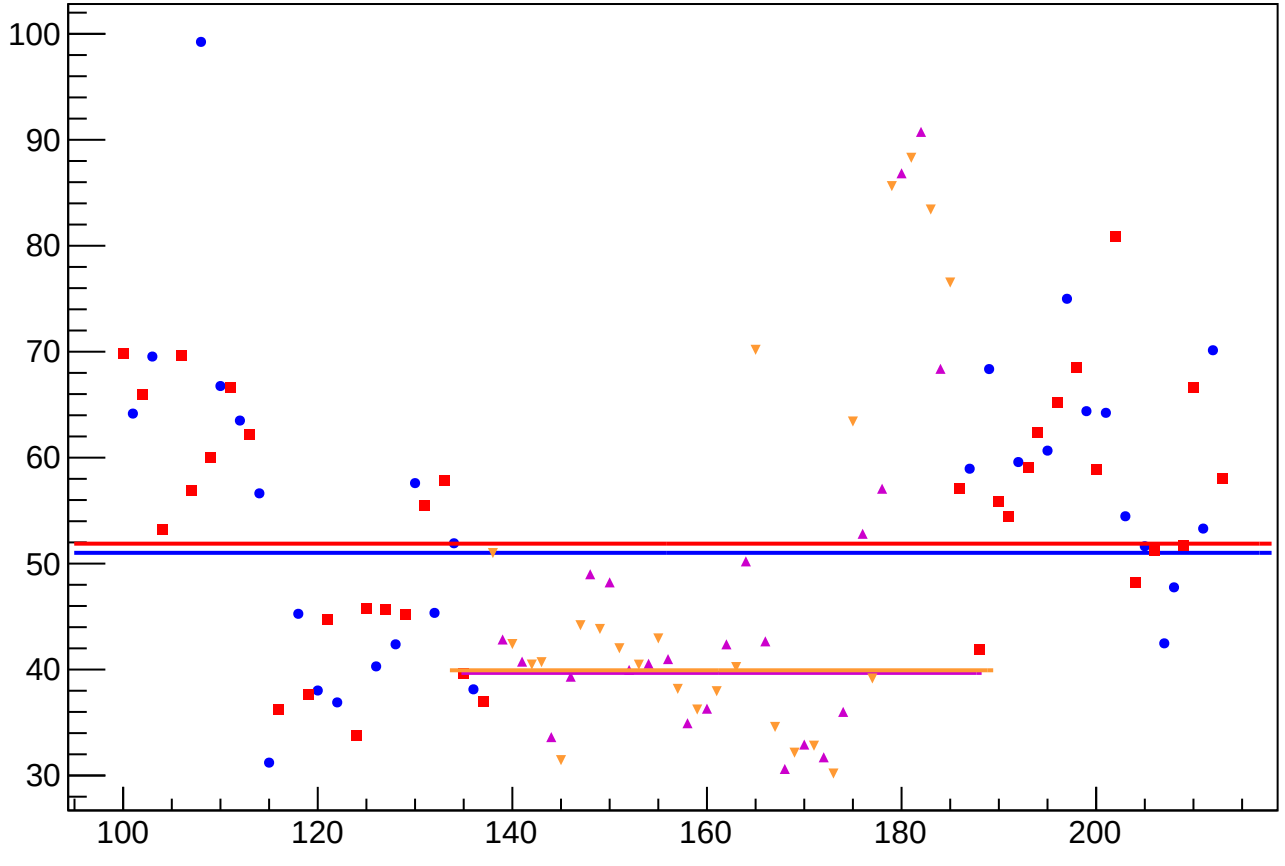
Right: -0.004+/-0.009 χ^2/NDF: 55.8/62

In: 0.001+/-0.008 χ^2/NDF:62.1/51

Out: 0.005+/-0.008 χ^2/NDF:55.6/58

All: 0.003+/-0.005 χ^2/NDF: 117.9/110

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.017+/-0.009 χ^2/NDF: 1711425.5/28

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

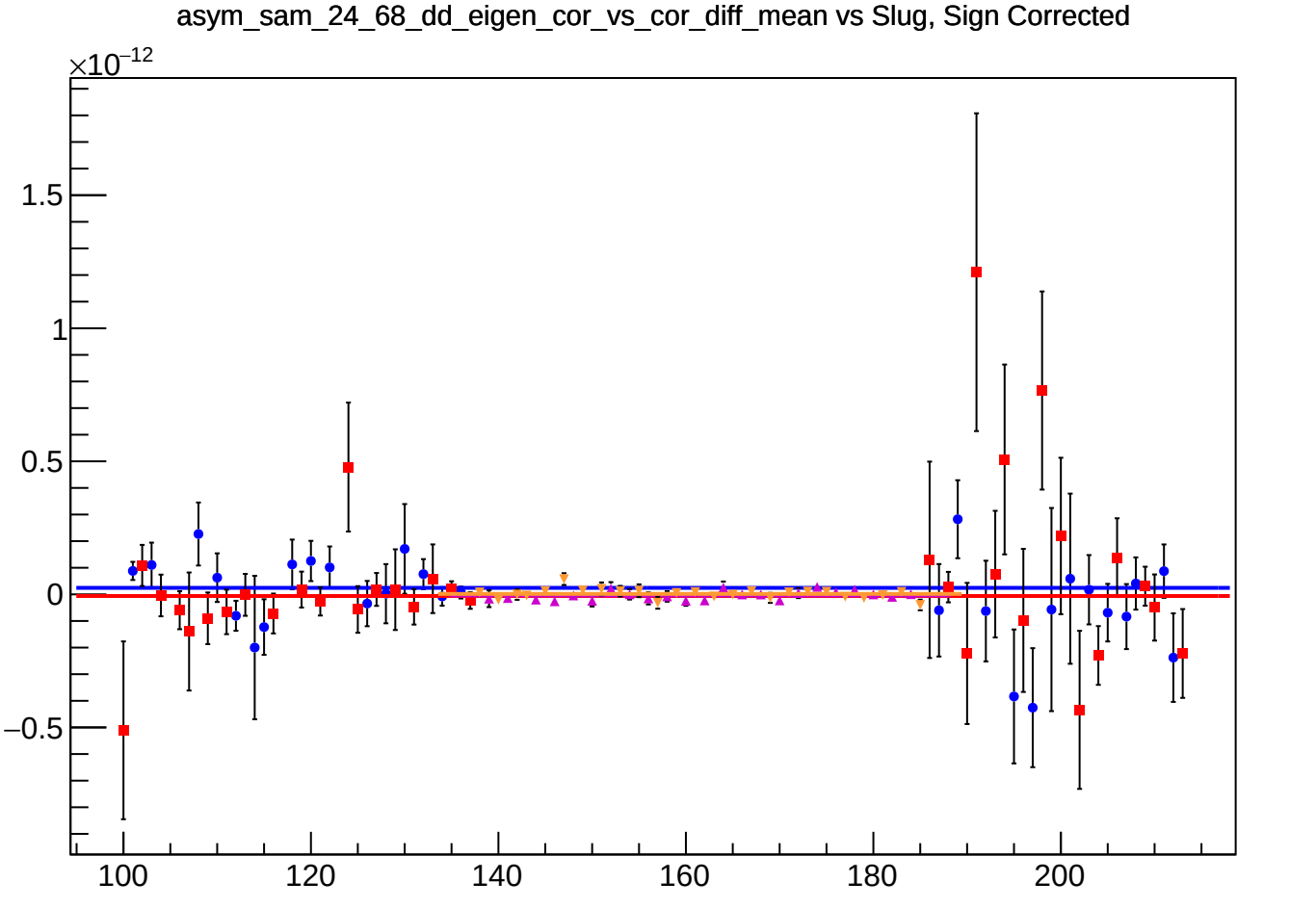
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.463+/-0.006 χ^2/NDF: 3179708.5/62

In: 43.856+/-0.005 χ^2/NDF:4616517.8/51

Out: 44.385+/-0.005 χ^2/NDF:5101413.1/58

All: 44.127+/-0.004 χ^2/NDF: 9722680.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 35.7/28

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

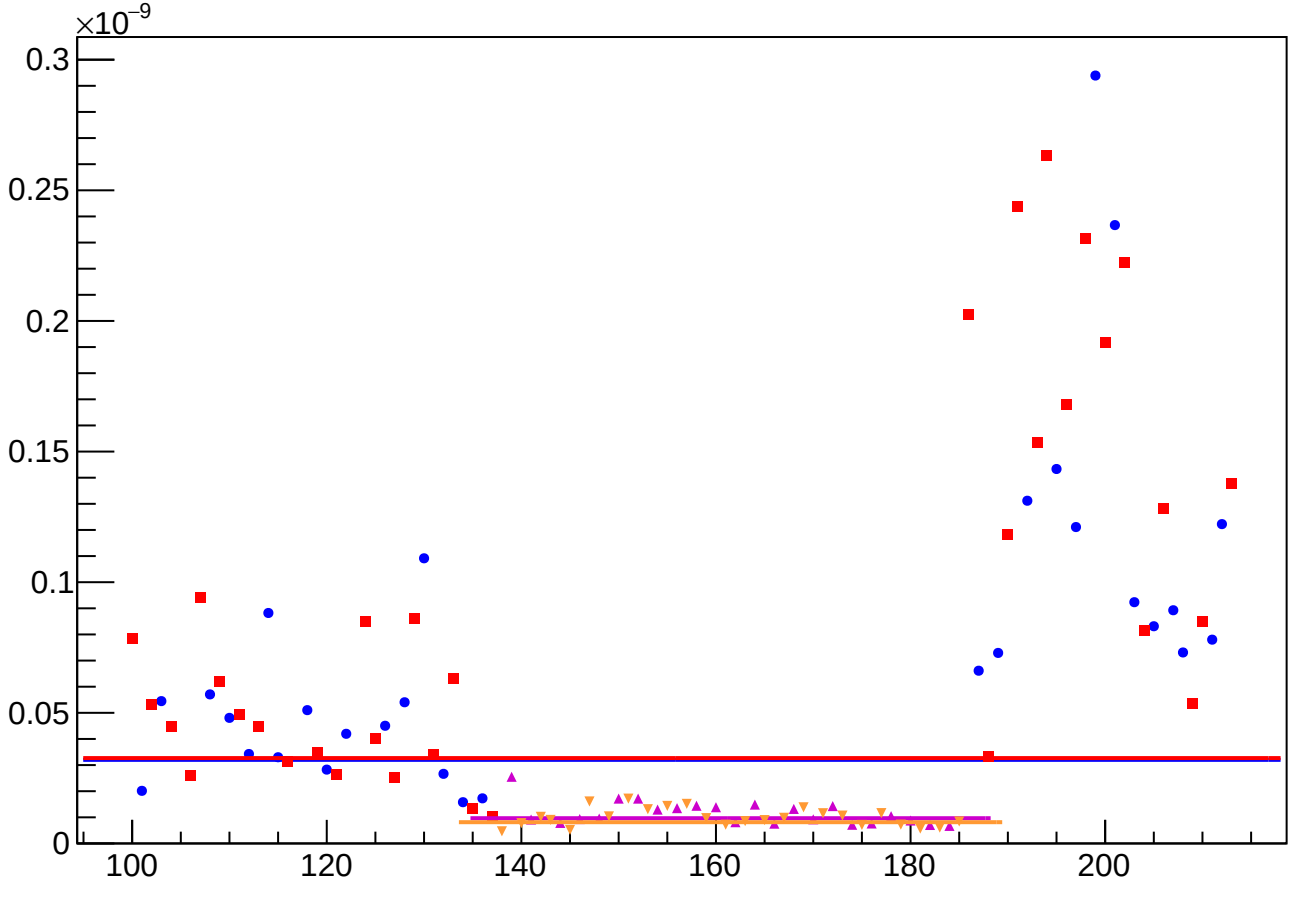
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 74.4/62

In: -0.000+/-0.000 χ^2/NDF:67.9/51

Out: 0.000+/-0.000 χ^2/NDF:64.2/58

All: -0.000+/-0.000 χ^2/NDF: 133.1/110



Right In: 0.000+/-0.000 χ^2/NDF: 8546669.8/28

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

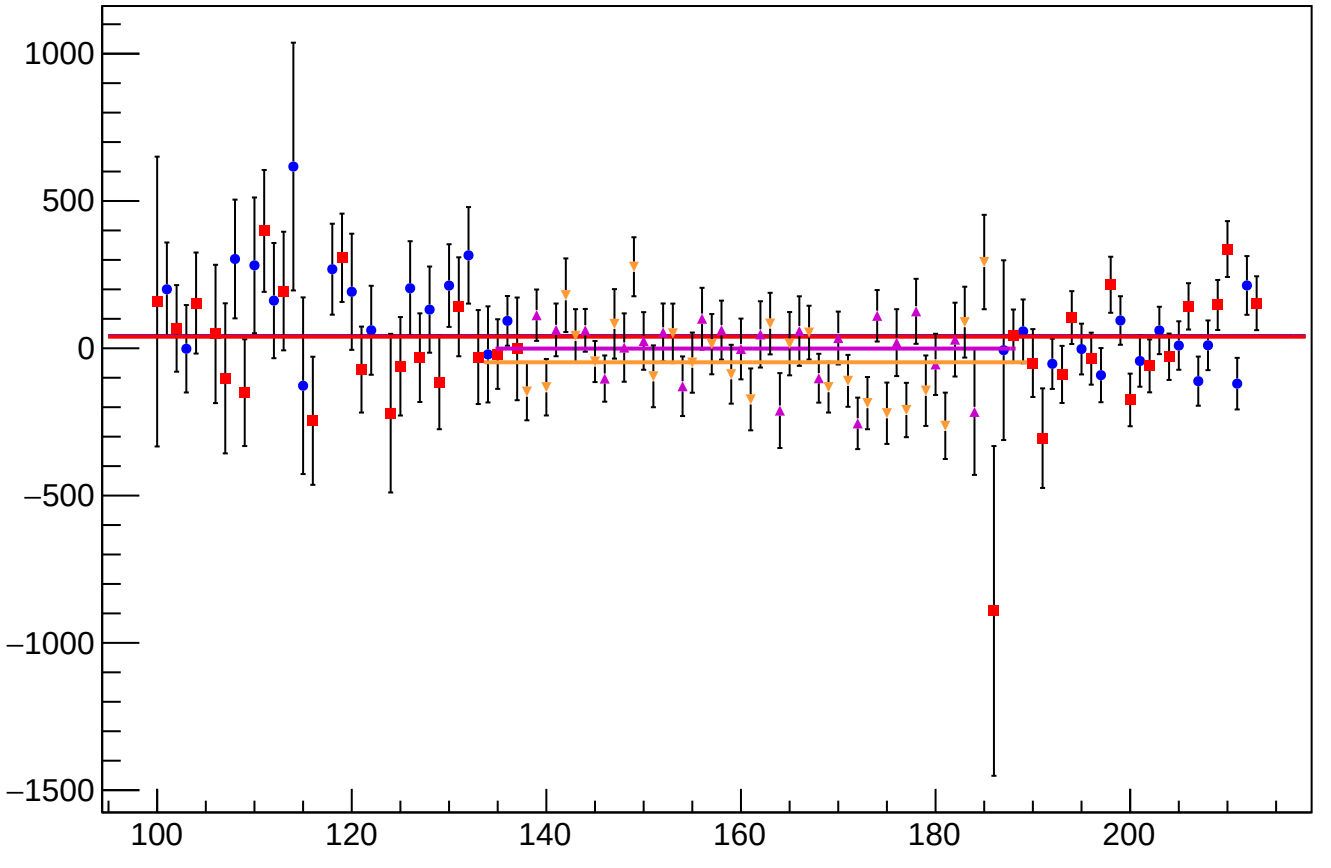
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 19063140.4/62

In: 0.000+/-0.000 χ^2/NDF:16397176.8/51

Out: 0.000+/-0.000 χ^2/NDF:19451228.9/58

All: 0.000+/-0.000 χ^2/NDF: 36284077.4/110



Right In: 41.211+/-21.233 χ^2/NDF: 30.5/28

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

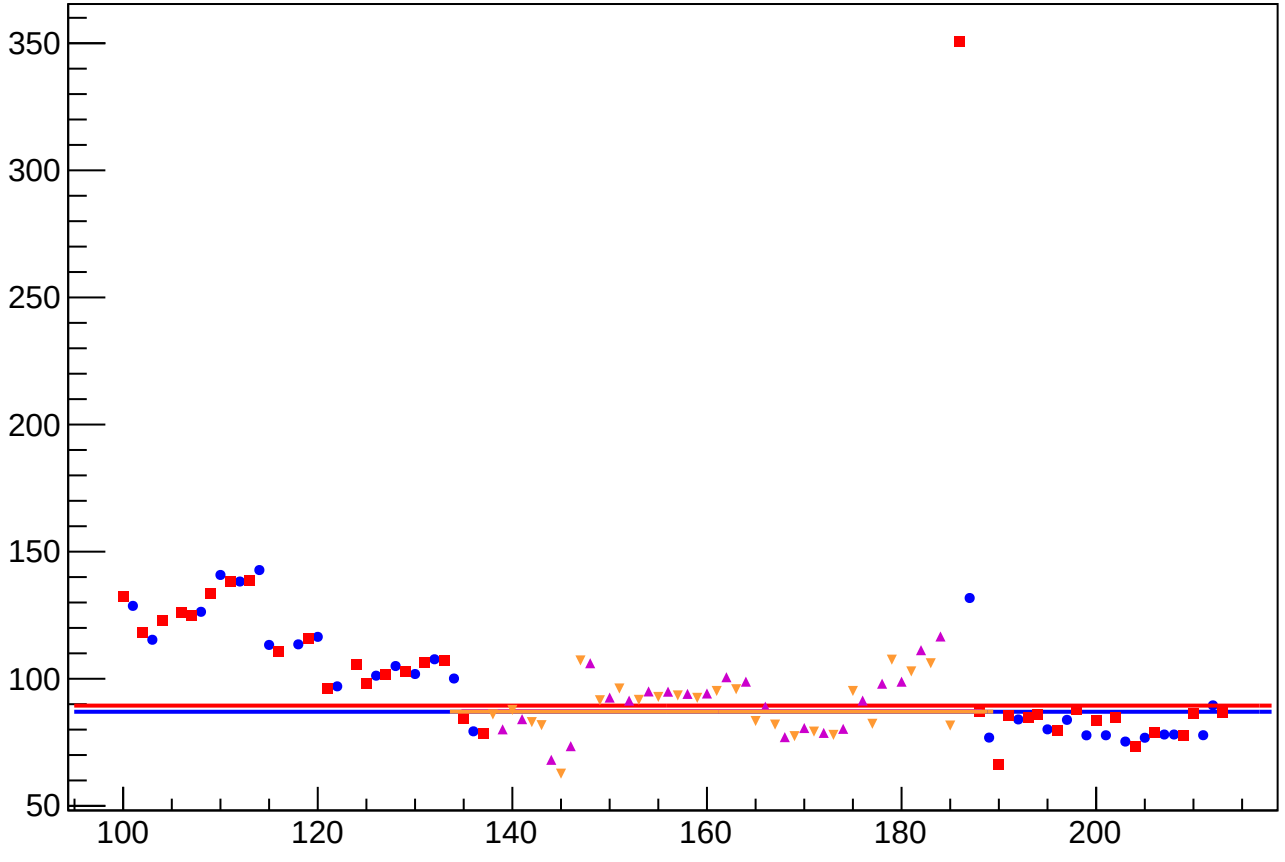
Right: 40.397+/-14.923 χ^2/NDF: 81.3/62

In: 19.478+/-14.787 χ^2/NDF:58.0/51

Out: -6.078+/-14.469 χ^2/NDF:103.8/58

All: 6.423+/-10.342 χ^2/NDF: 163.3/110

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 87.020+/-0.015 χ^2/NDF: 1094262.3/28

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

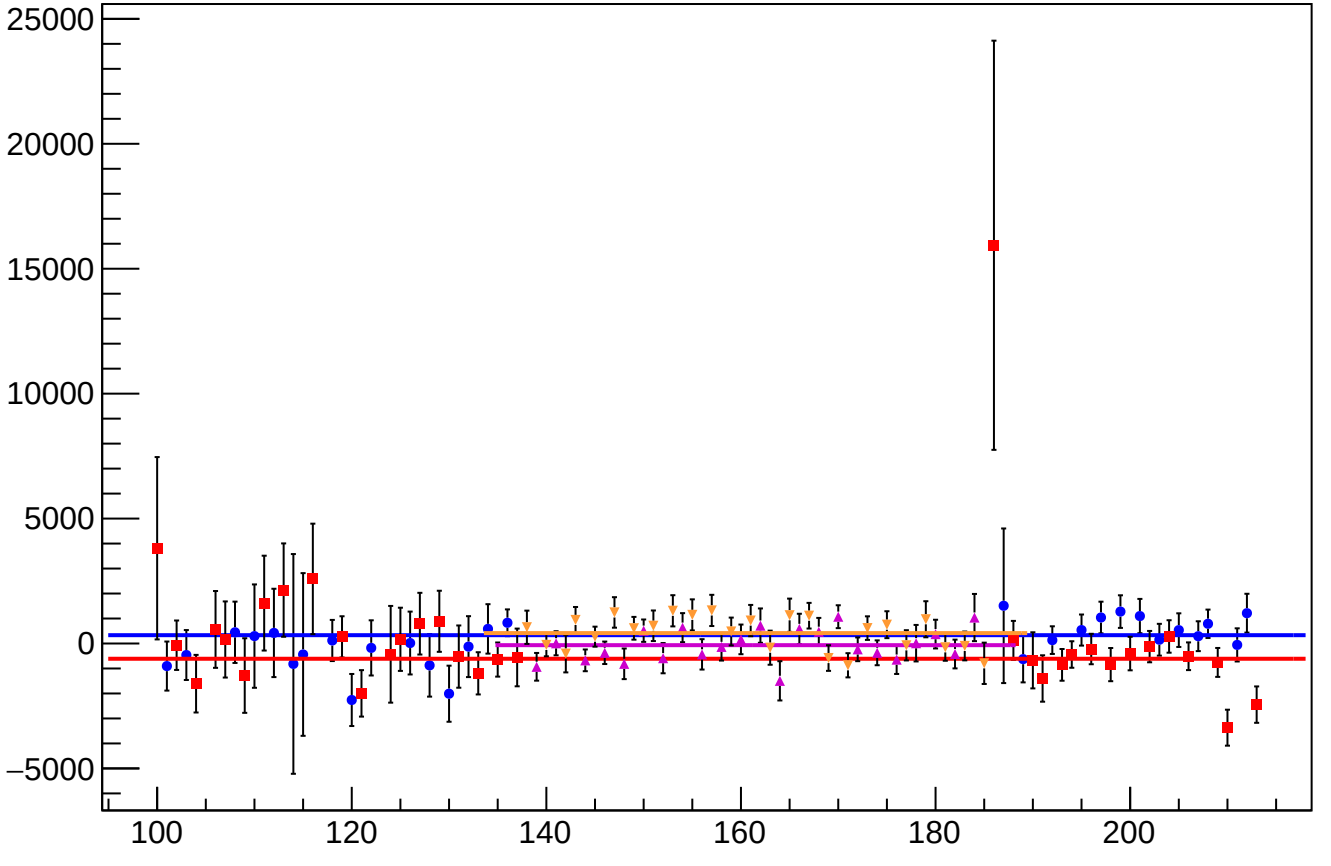
Right: 88.245+/-0.011 χ^2/NDF: 2627866.5/62

In: 87.142+/-0.010 χ^2/NDF:1690183.7/51

Out: 88.199+/-0.010 χ^2/NDF:2154444.4/58

All: 87.682+/-0.007 χ^2/NDF: 3849852.5/110

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 332.975+/-153.479 χ^2/NDF: 23.7/28

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

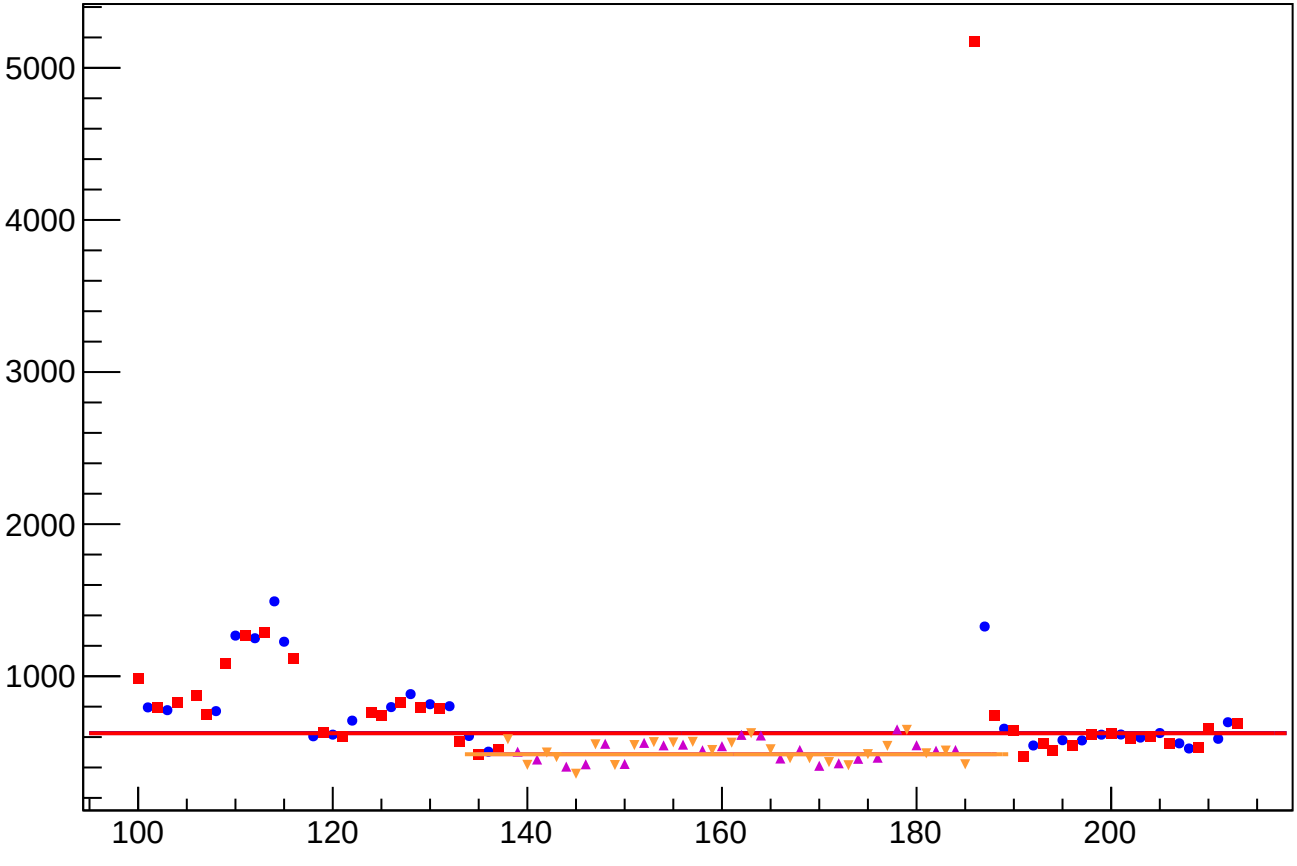
Right: -155.183+/-106.628 χ^2/NDF: 89.7/62

In: 77.693+/-92.246 χ^2/NDF:55.6/51

Out: 41.799+/-89.534 χ^2/NDF:109.3/58

All: 59.211+/-64.247 χ^2/NDF: 165.0/110

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 626.319+/-0.109 χ^2/NDF: 1344828.6/28

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

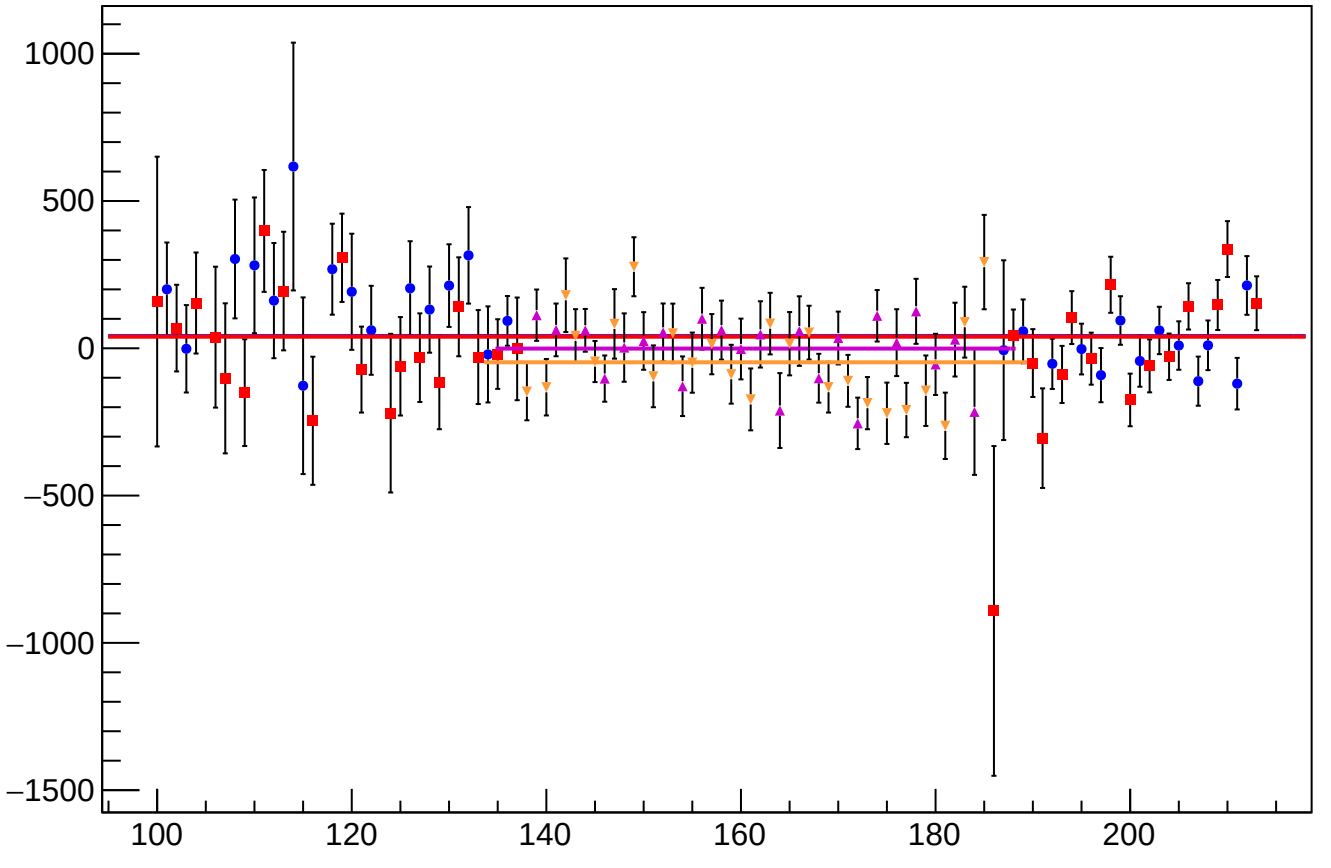
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 625.723+/-0.075 χ^2/NDF: 3568354.0/62

In: 537.922+/-0.065 χ^2/NDF:3017756.8/51

Out: 537.449+/-0.063 χ^2/NDF:4147036.3/58

All: 537.678+/-0.045 χ^2/NDF: 7164820.1/110



Right In: 41.204+/-21.233 χ^2/NDF: 30.5/28

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

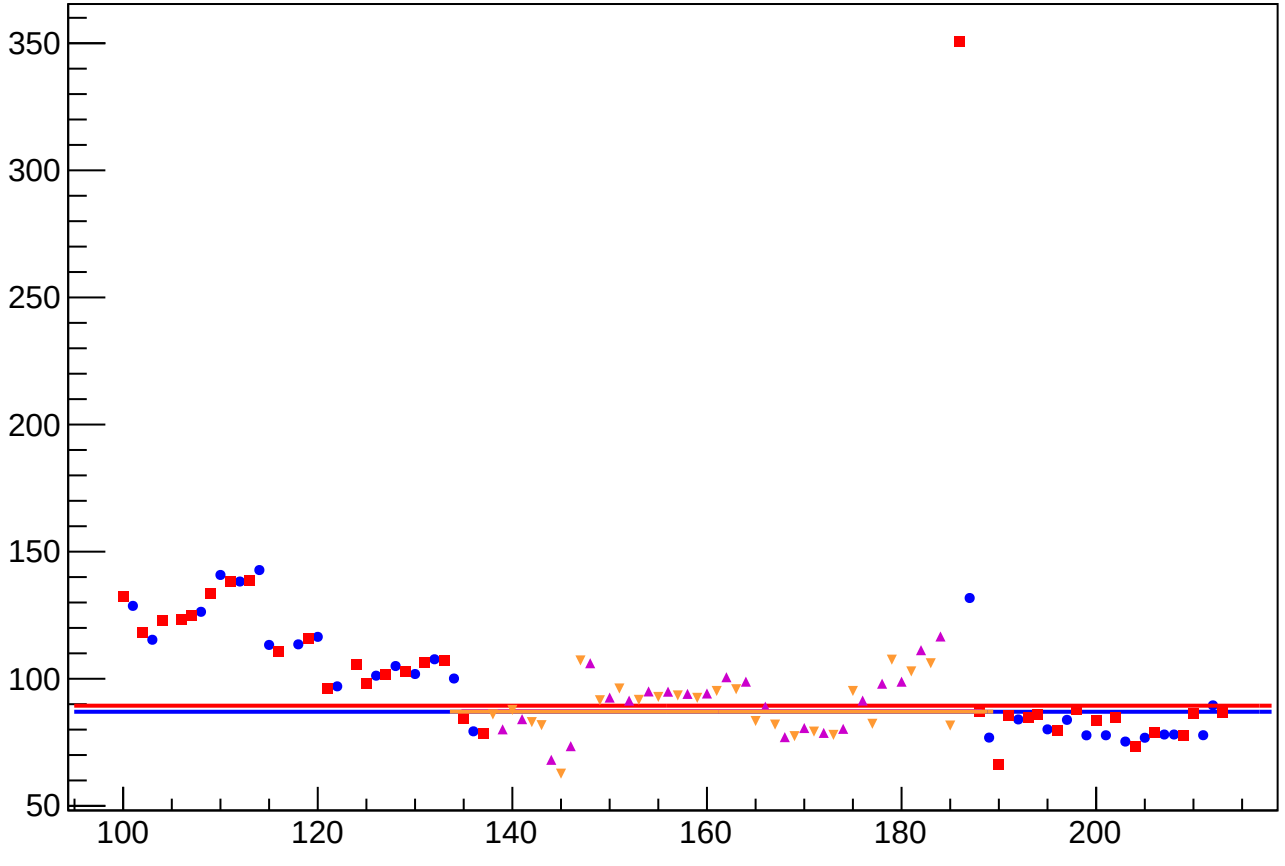
Right: 40.359+/-14.924 χ^2/NDF: 81.3/62

In: 19.473+/-14.787 χ^2/NDF:58.0/51

Out: -6.121+/-14.470 χ^2/NDF:103.8/58

All: 6.400+/-10.342 χ^2/NDF: 163.3/110

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 87.020+/-0.015 χ^2/NDF: 1094262.7/28

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

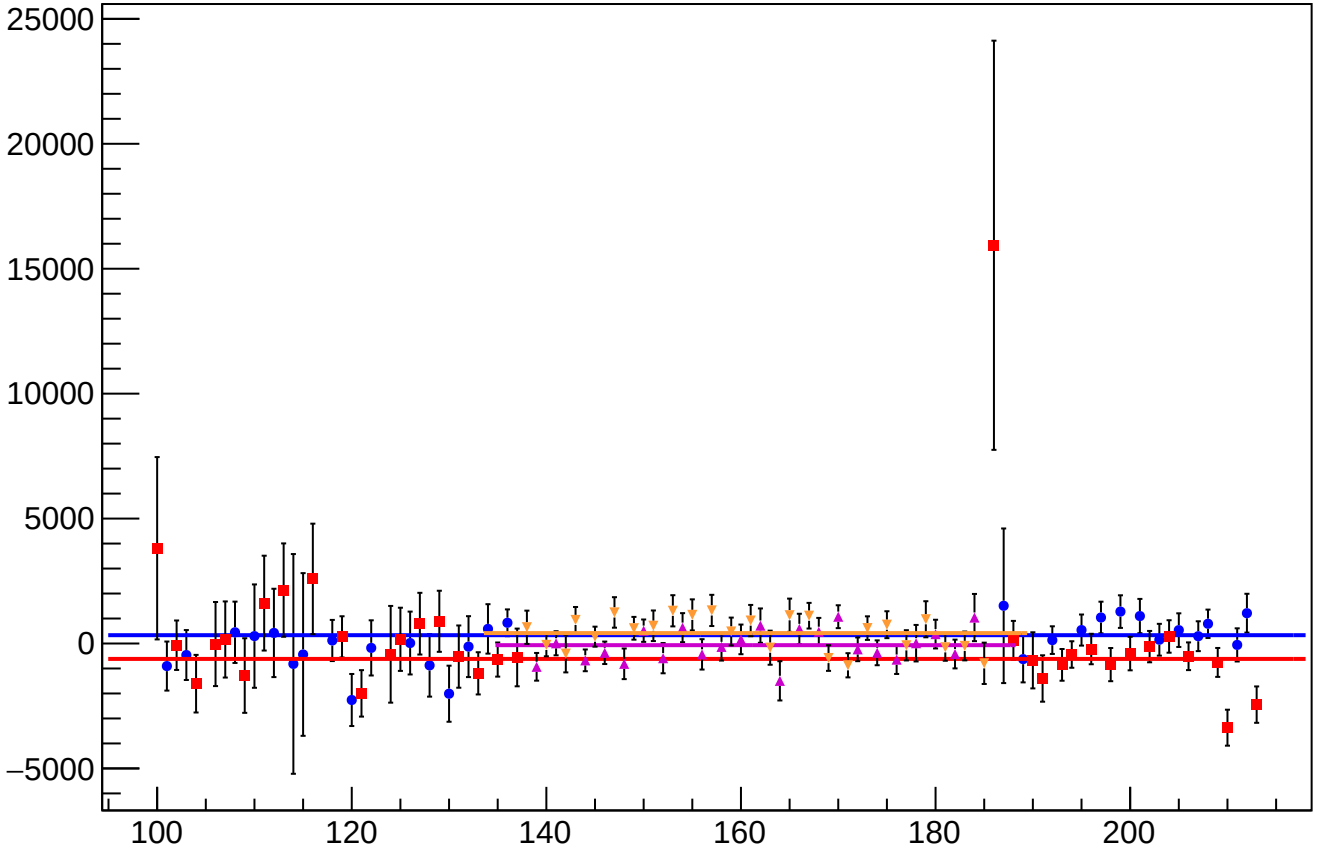
Right: 88.229+/-0.011 χ^2/NDF: 2618927.9/62

In: 87.142+/-0.010 χ^2/NDF:1690184.1/51

Out: 88.184+/-0.010 χ^2/NDF:2145492.0/58

All: 87.674+/-0.007 χ^2/NDF: 3840749.0/110

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 332.972+/-153.479 χ^2/NDF: 23.7/28

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

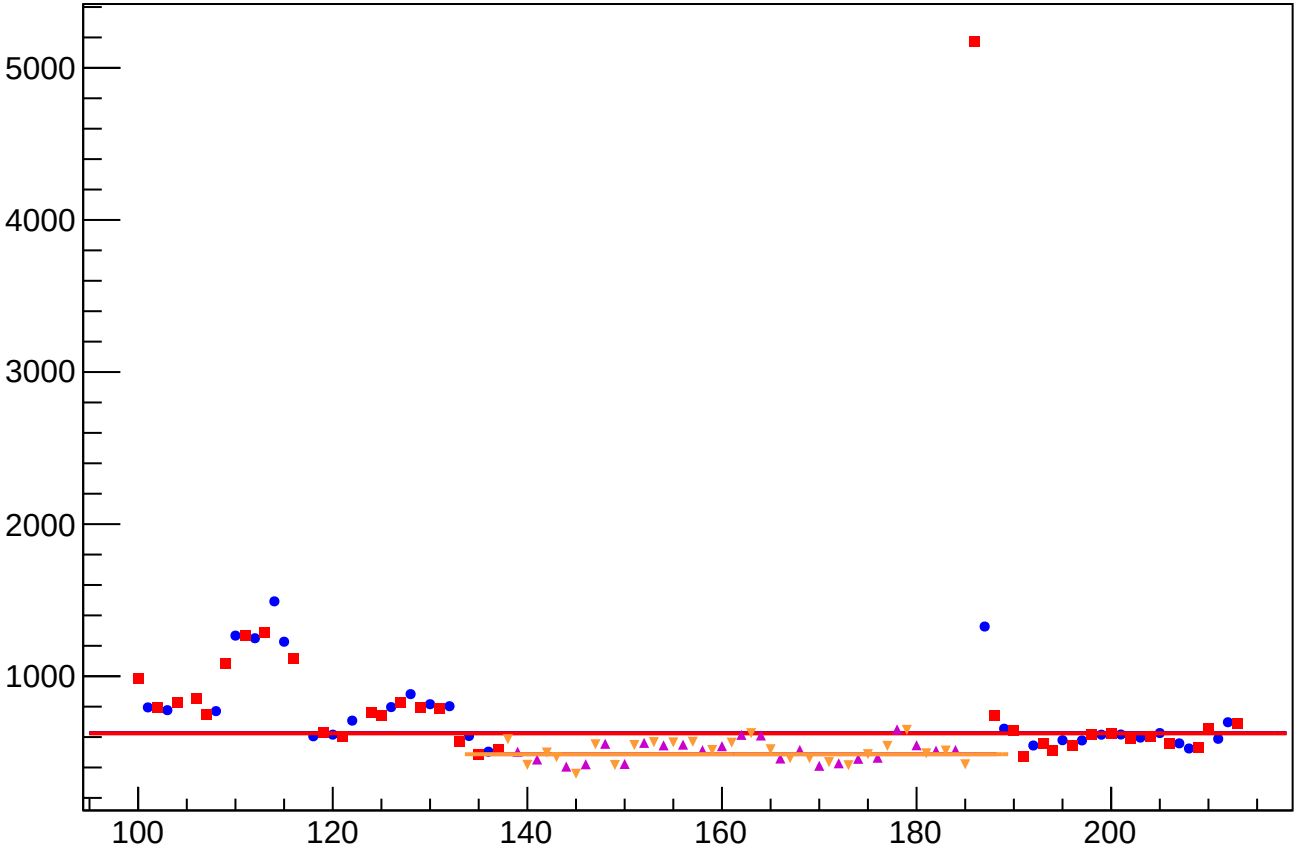
Right: -158.101+/-106.671 χ^2/NDF: 89.5/62

In: 77.693+/-92.246 χ^2/NDF:55.6/51

Out: 39.850+/-89.559 χ^2/NDF:109.2/58

All: 58.212+/-64.257 χ^2/NDF: 164.9/110

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 626.319+/-0.109 χ^2/NDF: 1344841.0/28

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

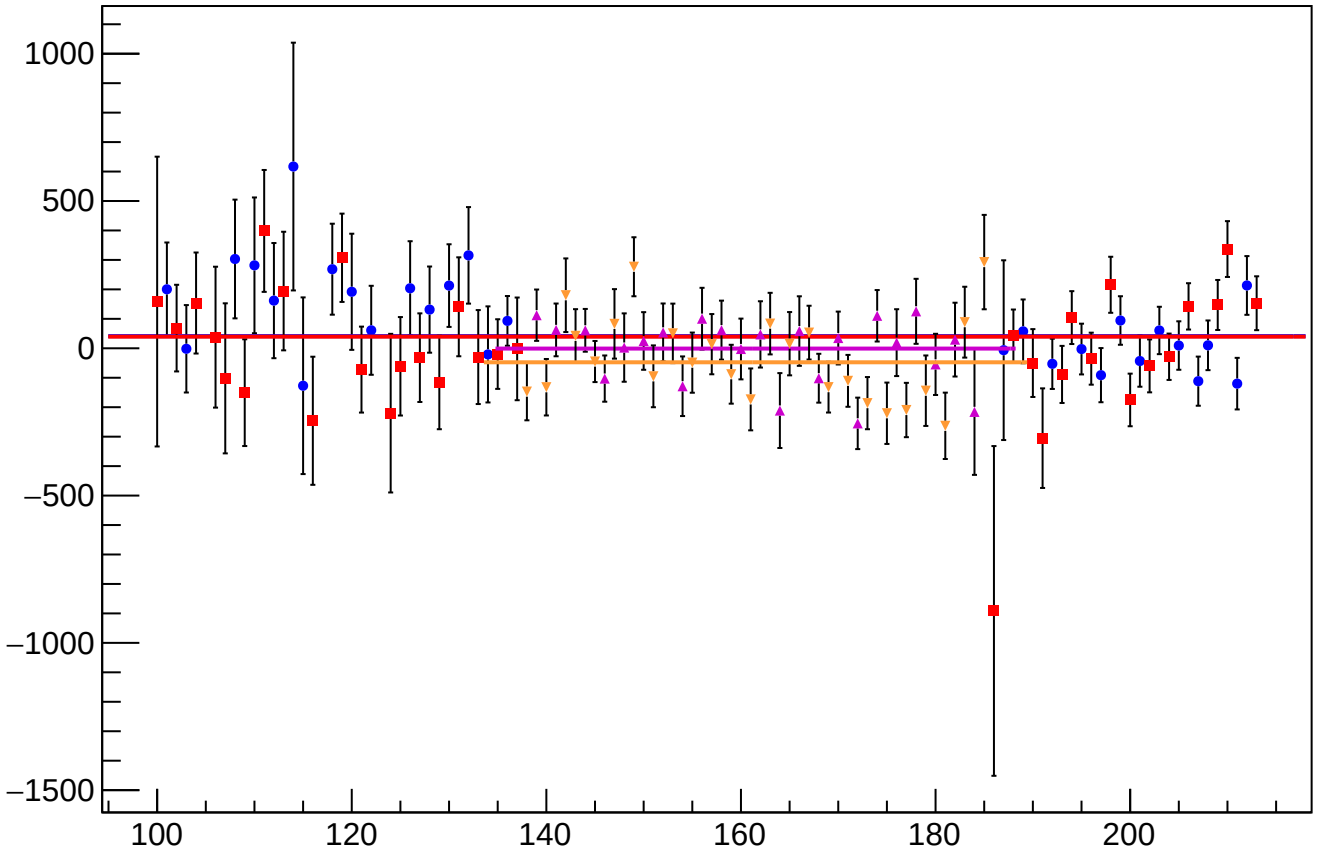
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 625.446+/-0.075 χ^2/NDF: 3553121.4/62

In: 537.922+/-0.065 χ^2/NDF:3017773.4/51

Out: 537.204+/-0.063 χ^2/NDF:4122081.4/58

All: 537.552+/-0.045 χ^2/NDF: 7139917.2/110



Right In: 41.204+/-21.233 χ^2/NDF: 30.5/28

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

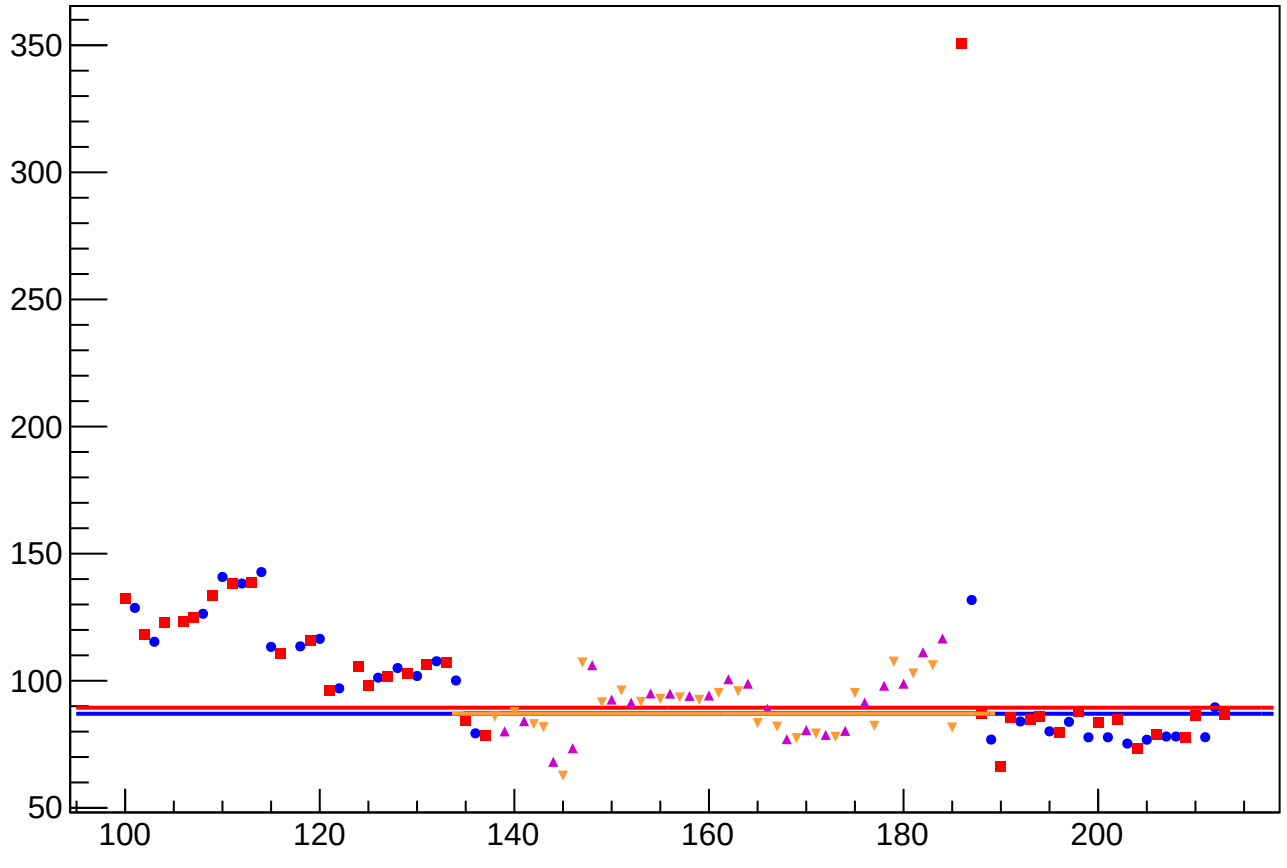
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 40.359+/-14.924 χ^2/NDF: 81.3/62

In: 19.473+/-14.787 χ^2/NDF:58.0/51

Out: -6.121+/-14.470 χ^2/NDF:103.8/58

All: 6.400+/-10.342 χ^2/NDF: 163.3/110



Right In: 87.020+/-0.015 χ^2/NDF: 1094262.7/28

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

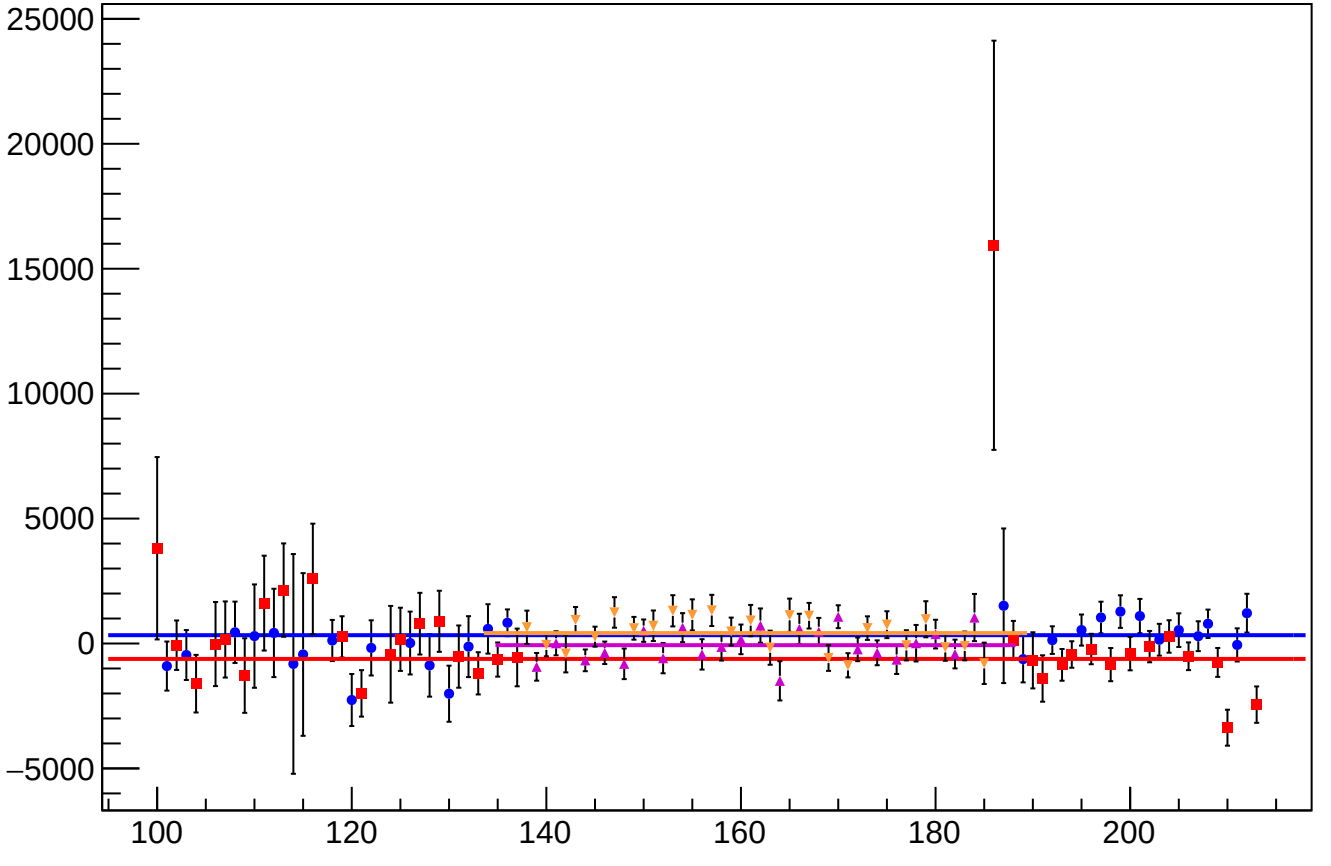
Right: 88.229+/-0.011 χ^2/NDF: 2618927.9/62

In: 87.142+/-0.010 χ^2/NDF:1690184.1/51

Out: 88.184+/-0.010 χ^2/NDF:2145492.0/58

All: 87.674+/-0.007 χ^2/NDF: 3840749.0/110

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 332.972+/-153.479 χ^2/NDF: 23.7/28

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

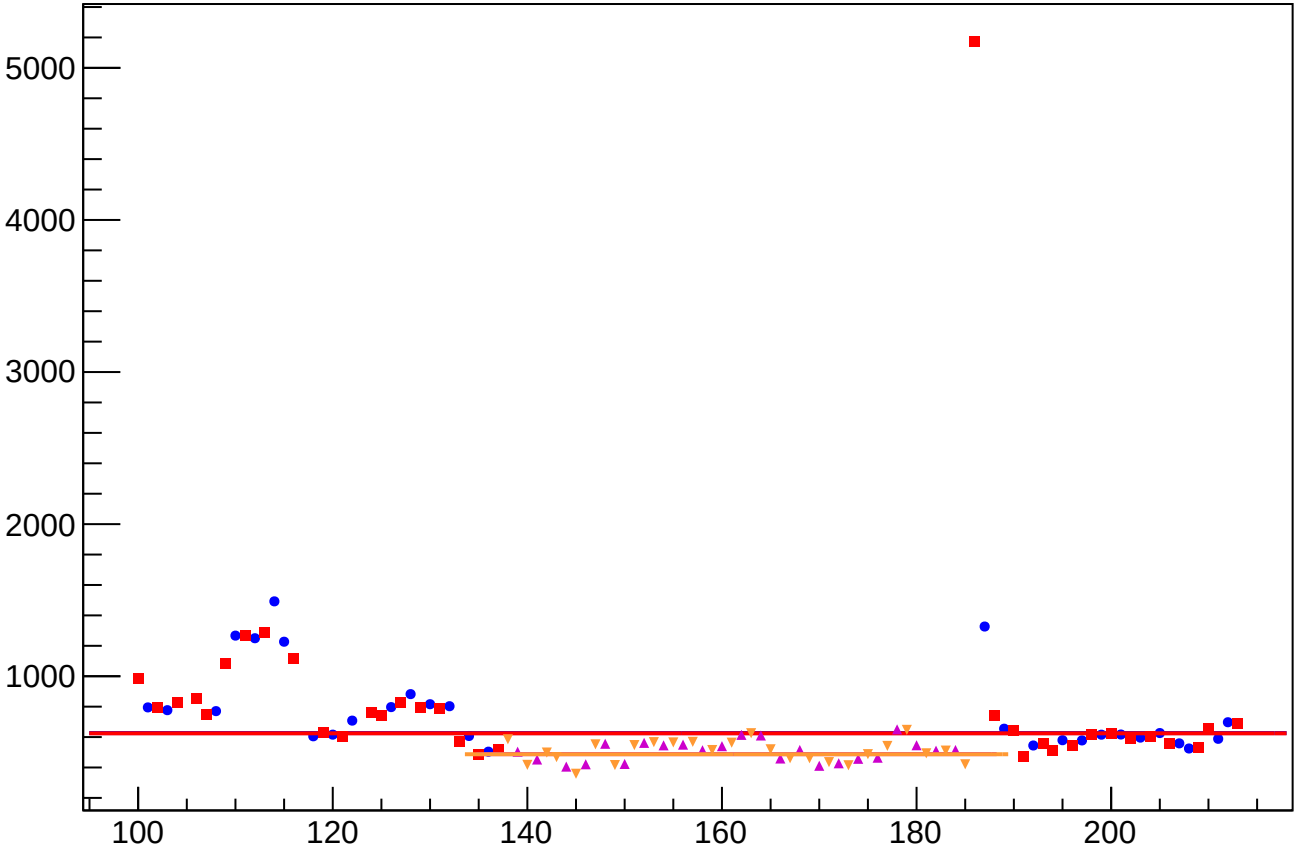
Right: -158.101+/-106.671 χ^2/NDF: 89.5/62

In: 77.693+/-92.246 χ^2/NDF:55.6/51

Out: 39.850+/-89.559 χ^2/NDF:109.2/58

All: 58.212+/-64.257 χ^2/NDF: 164.9/110

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 626.319+/-0.109 χ^2/NDF: 1344841.0/28

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

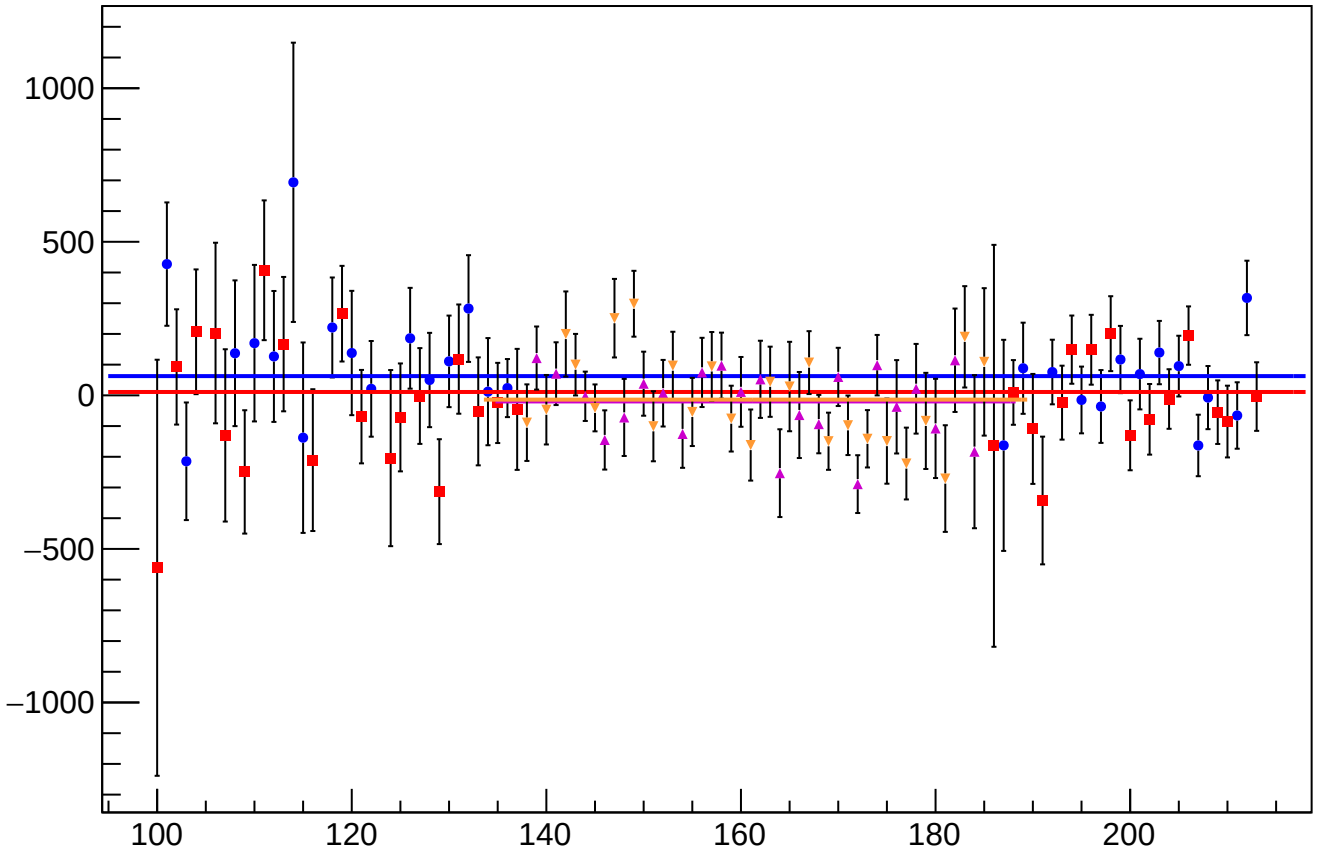
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 625.446+/-0.075 χ^2/NDF: 3553121.4/62

In: 537.922+/-0.065 χ^2/NDF:3017773.4/51

Out: 537.204+/-0.063 χ^2/NDF:4122081.4/58

All: 537.552+/-0.045 χ^2/NDF: 7139917.2/110



Right In: 62.680+/-25.551 χ^2/NDF: 25.8/28

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

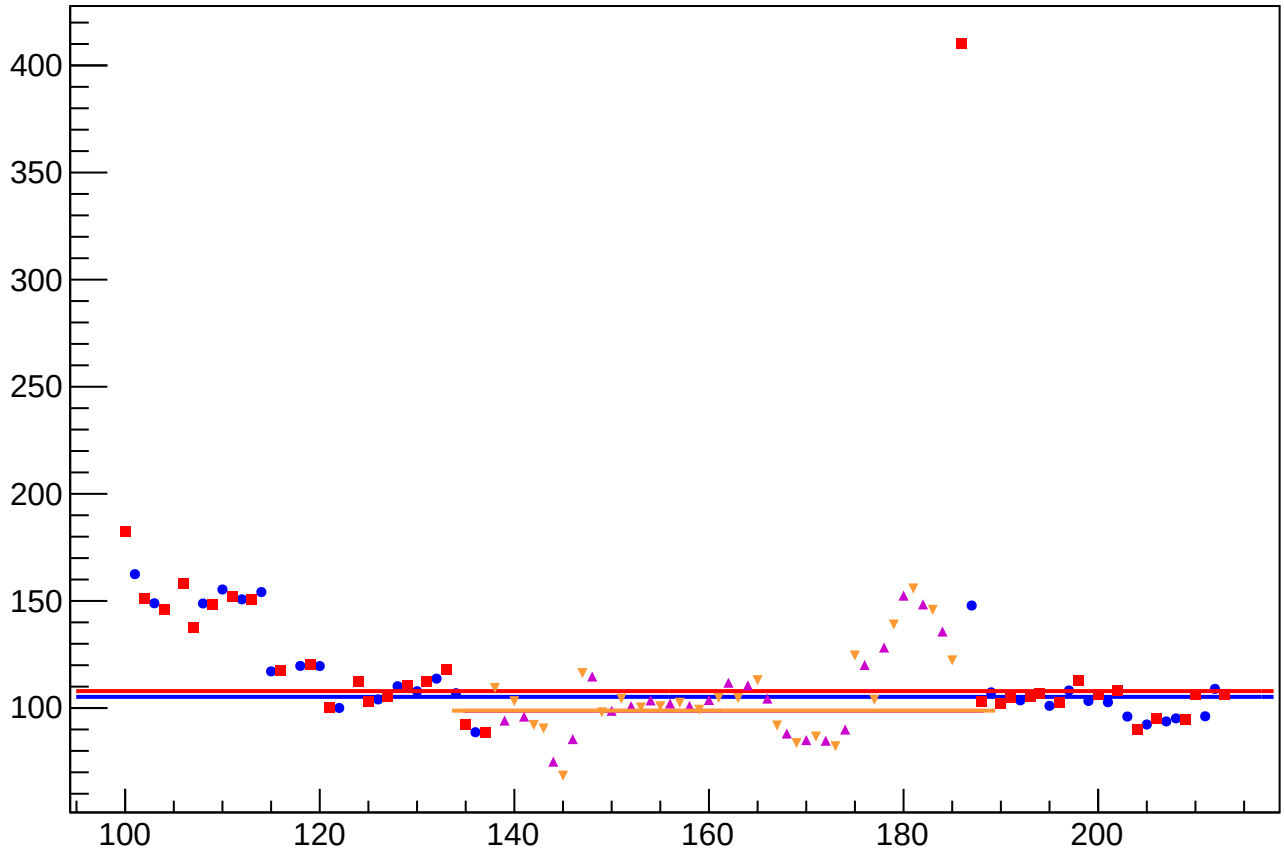
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 36.484+/-17.945 χ^2/NDF: 60.4/62

In: 18.118+/-17.325 χ^2/NDF:54.7/51

Out: -2.640+/-16.956 χ^2/NDF:69.5/58

All: 7.516+/-12.118 χ^2/NDF: 125.0/110



Right In: 105.223+/-0.018 χ^2/NDF: 774514.8/28

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

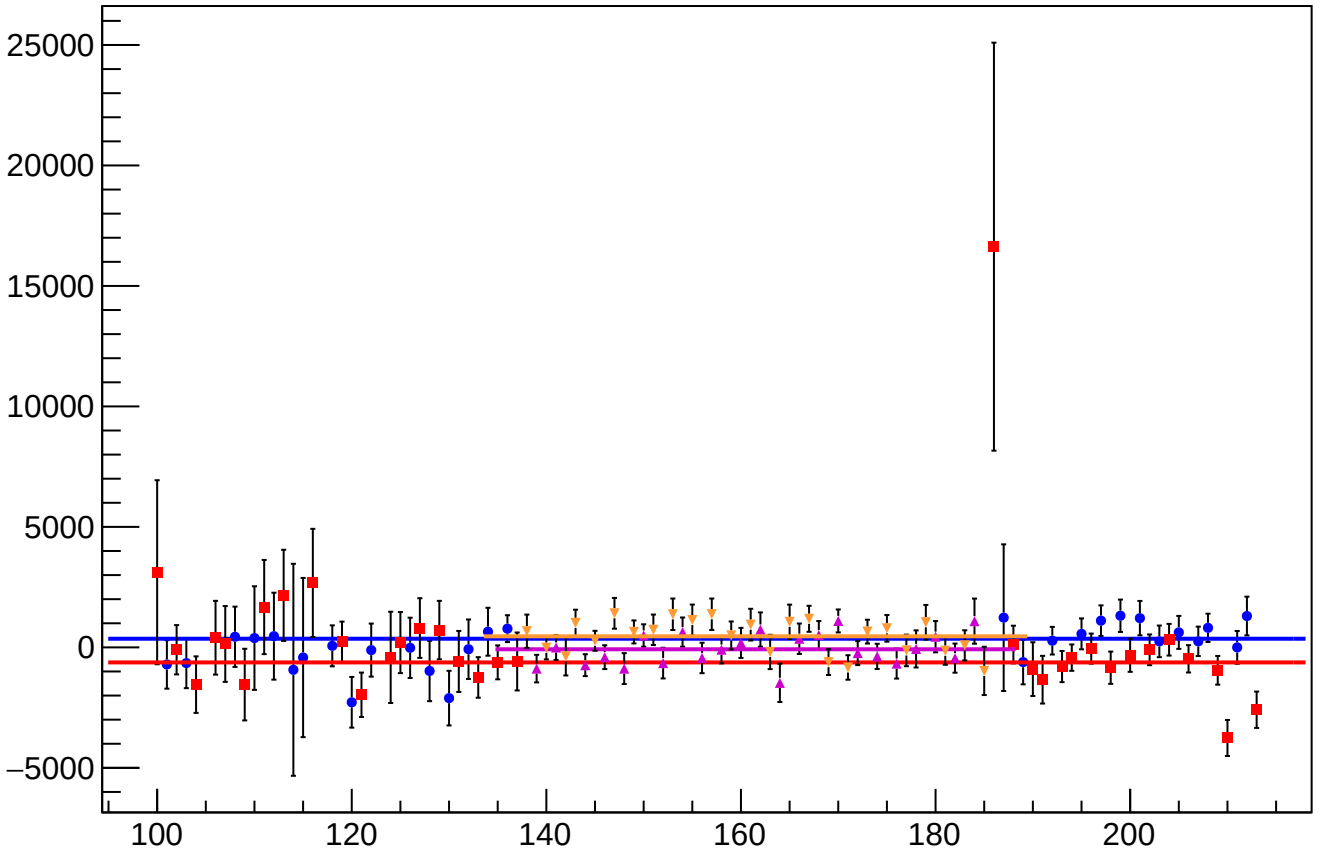
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 106.586+/-0.013 χ^2/NDF: 1960864.4/62

In: 101.684+/-0.012 χ^2/NDF:1833341.3/51

Out: 102.923+/-0.012 χ^2/NDF:2504073.3/58

All: 102.317+/-0.009 χ^2/NDF: 4342634.3/110



Right In: 358.704+/-157.248 χ^2/NDF: 24.1/28

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

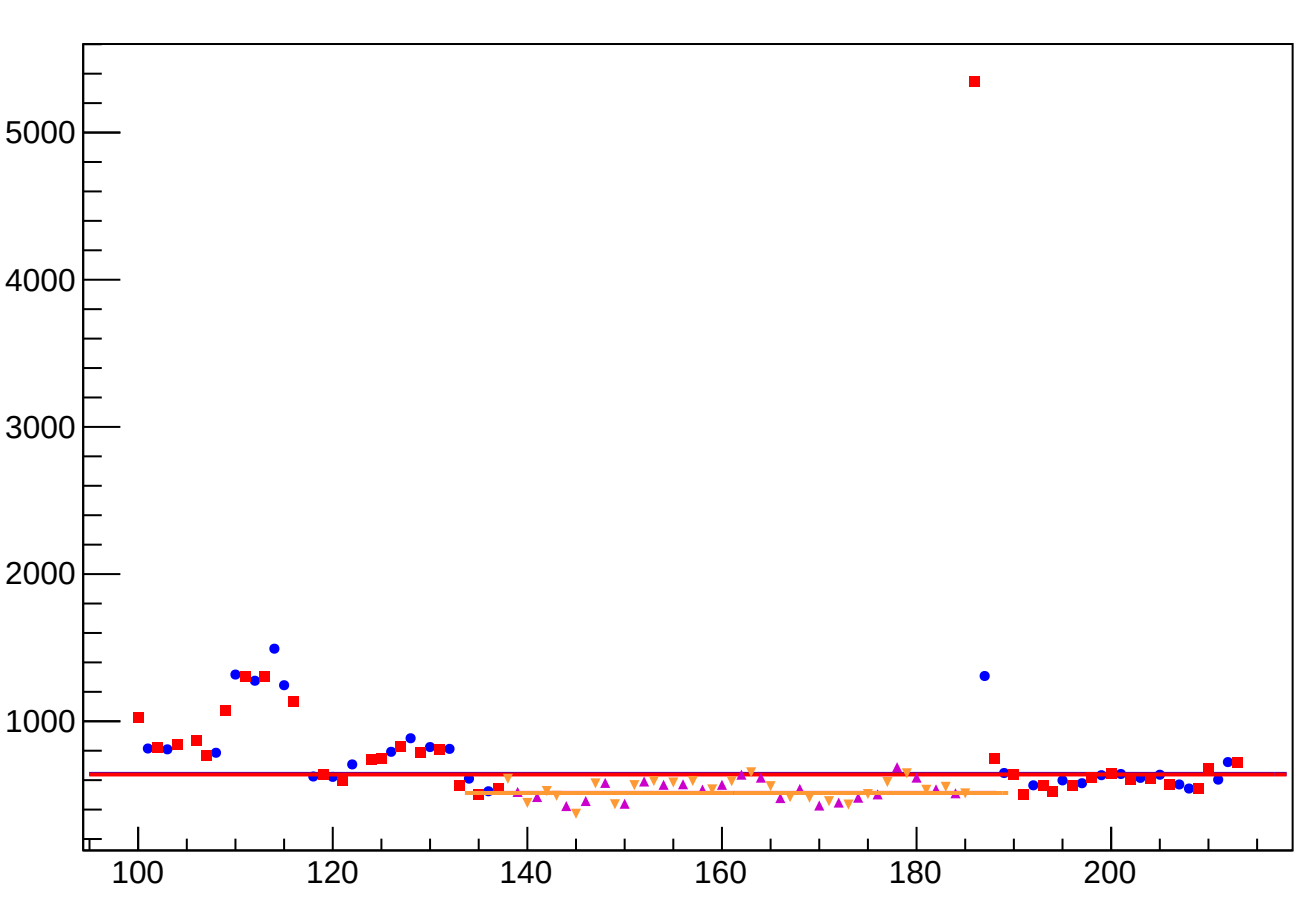
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -152.115+/-109.003 χ^2/NDF: 94.2/62

In: 84.651+/-96.113 χ^2/NDF:55.2/51

Out: 48.526+/-93.087 χ^2/NDF:112.4/58

All: 66.011+/-66.866 χ^2/NDF: 167.7/110



Right In: 642.425+/-0.111 χ^2/NDF: 1291702.8/28

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

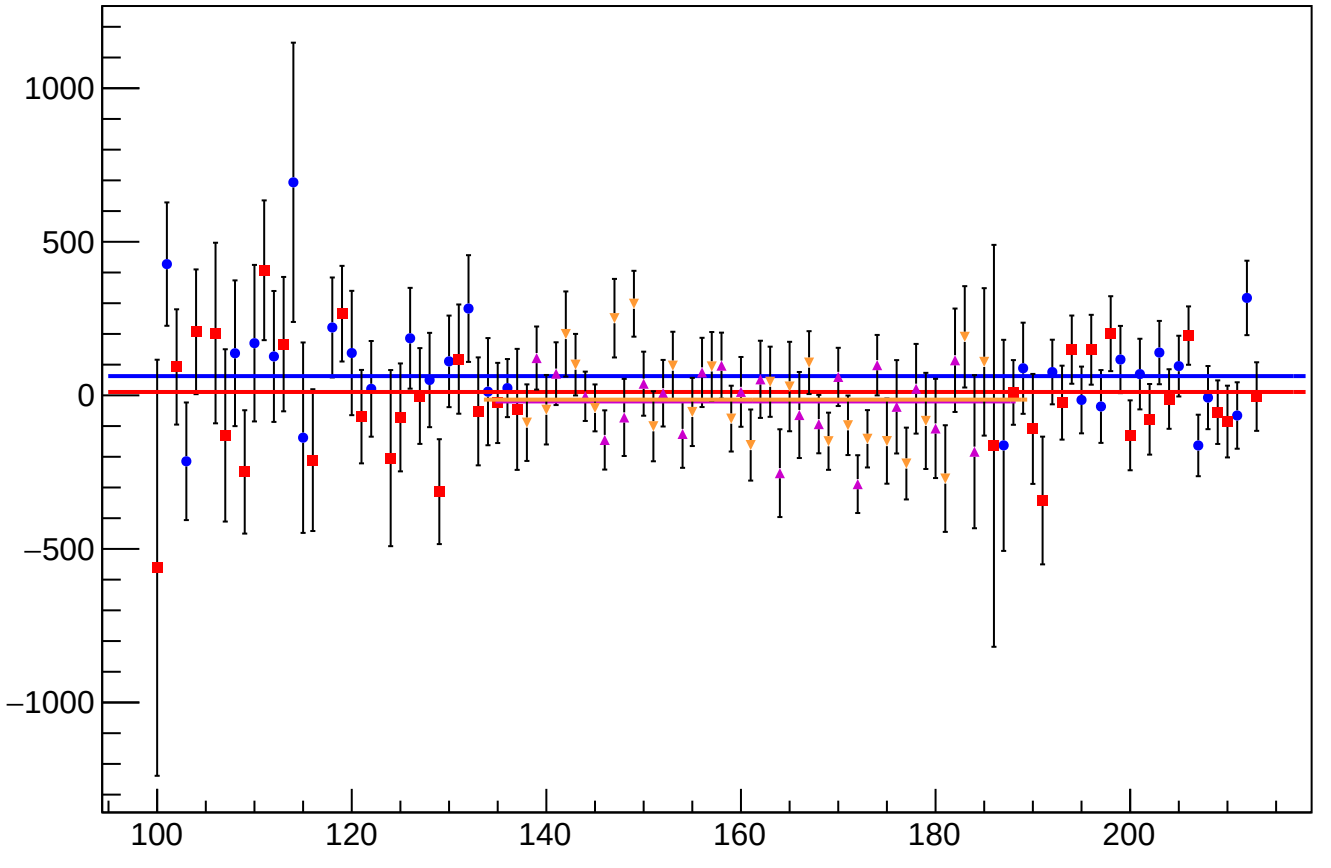
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 640.434+/-0.077 χ^2/NDF: 3449433.3/62

In: 561.586+/-0.068 χ^2/NDF:2769499.4/51

Out: 560.437+/-0.066 χ^2/NDF:3816252.3/58

All: 560.993+/-0.047 χ^2/NDF: 6585899.0/110



Right In: 62.679+/-25.551 χ^2/NDF: 25.8/28

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

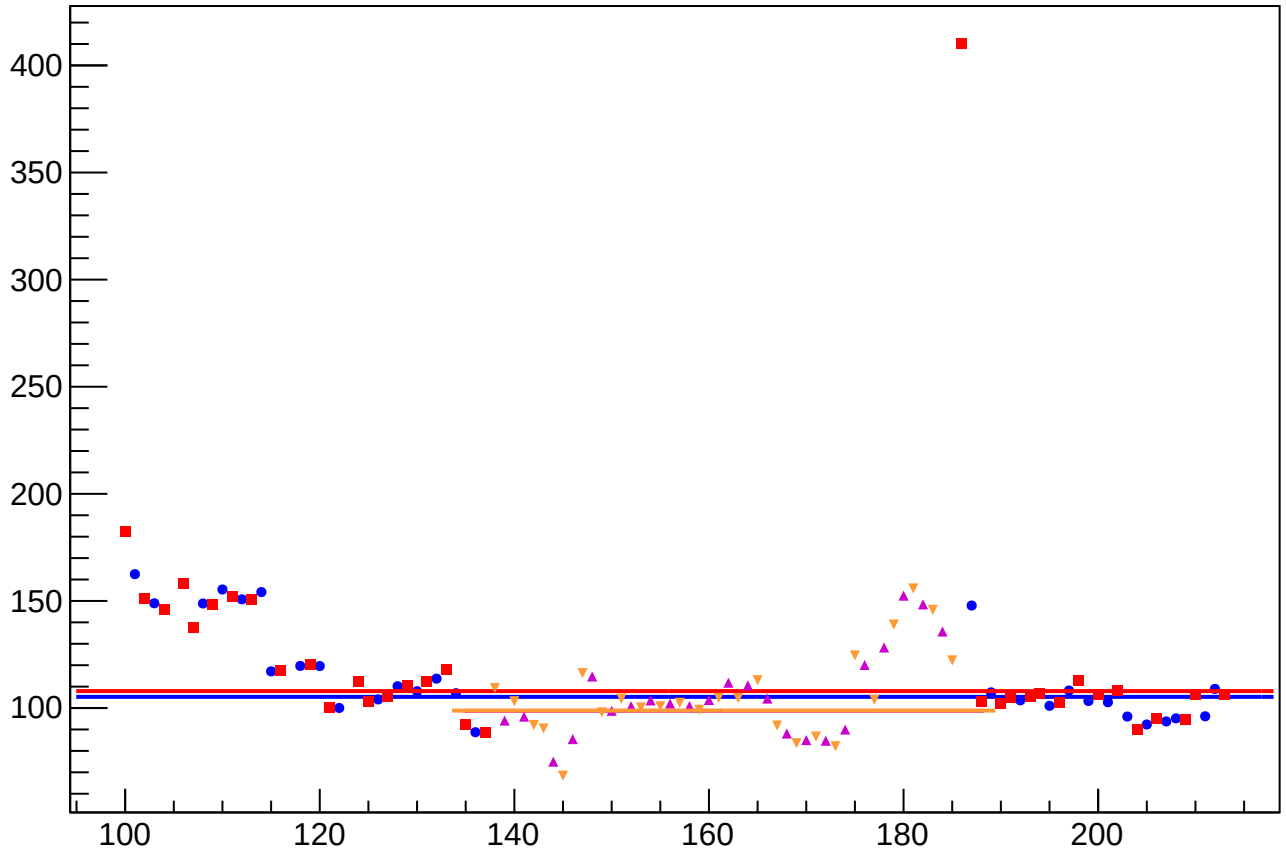
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 36.484+/-17.945 χ^2/NDF: 60.4/62

In: 18.117+/-17.325 χ^2/NDF:54.7/51

Out: -2.640+/-16.956 χ^2/NDF:69.5/58

All: 7.515+/-12.118 χ^2/NDF: 125.0/110



Right In: 105.223+/-0.018 χ^2/NDF: 774505.2/28

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

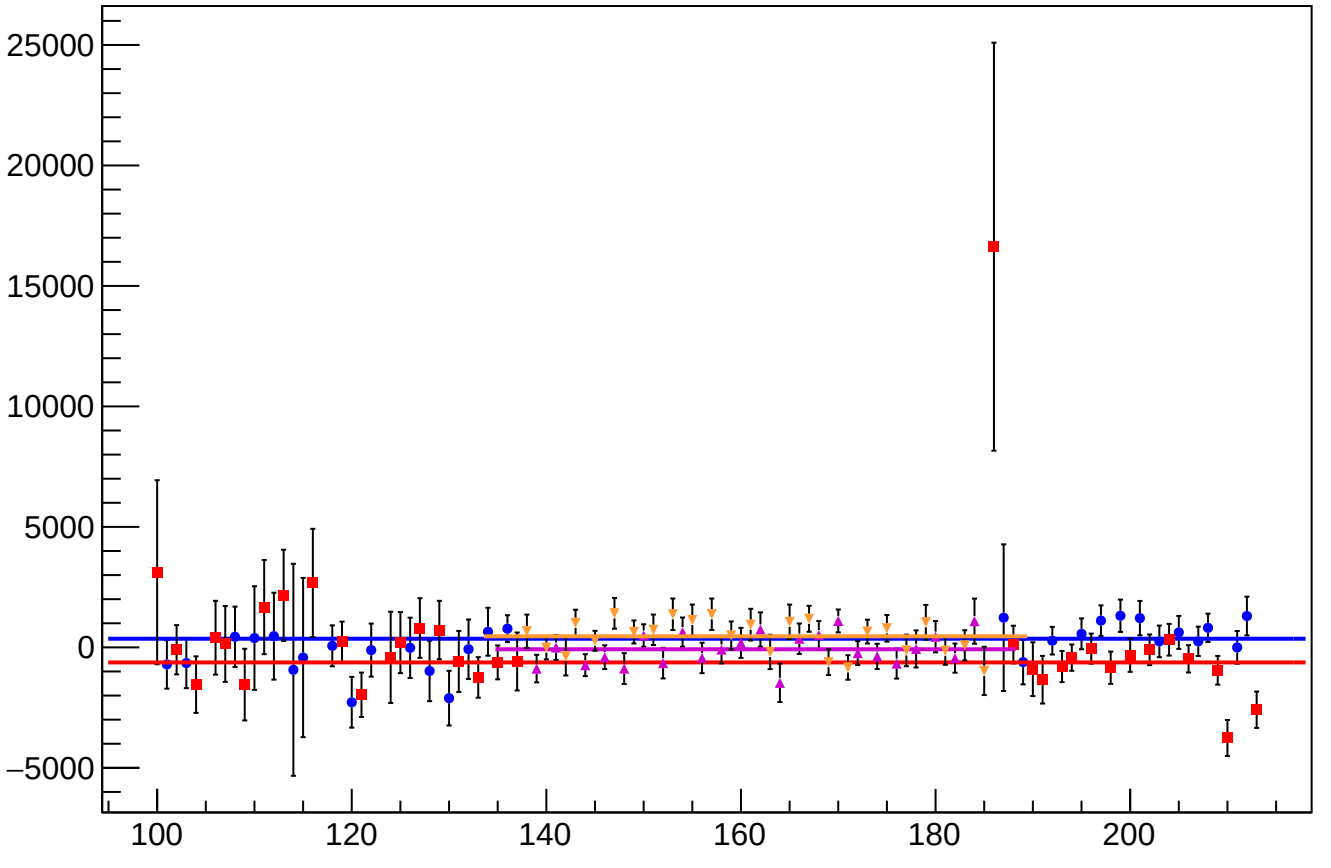
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 106.586+/-0.013 χ^2/NDF: 1960841.9/62

In: 101.684+/-0.012 χ^2/NDF:1833324.7/51

Out: 102.923+/-0.012 χ^2/NDF:2504068.4/58

All: 102.317+/-0.009 χ^2/NDF: 4342612.8/110



Right In: 358.704+/-157.248 χ^2/NDF: 24.1/28

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

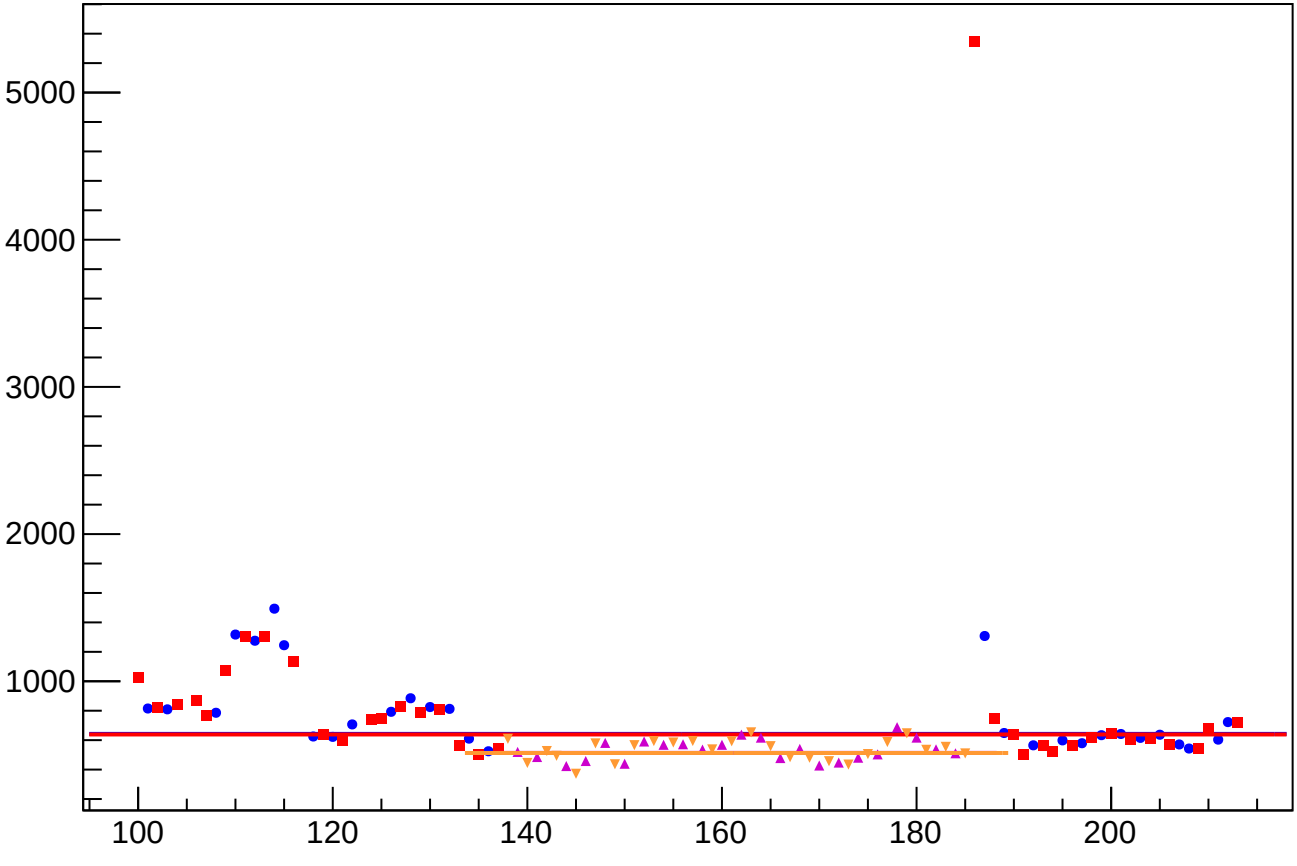
Right: -152.114+/-109.003 χ^2/NDF: 94.2/62

In: 84.651+/-96.112 χ^2/NDF:55.2/51

Out: 48.525+/-93.087 χ^2/NDF:112.4/58

All: 66.011+/-66.866 χ^2/NDF: 167.7/110

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 642.424+/-0.111 χ^2/NDF: 1291699.1/28

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

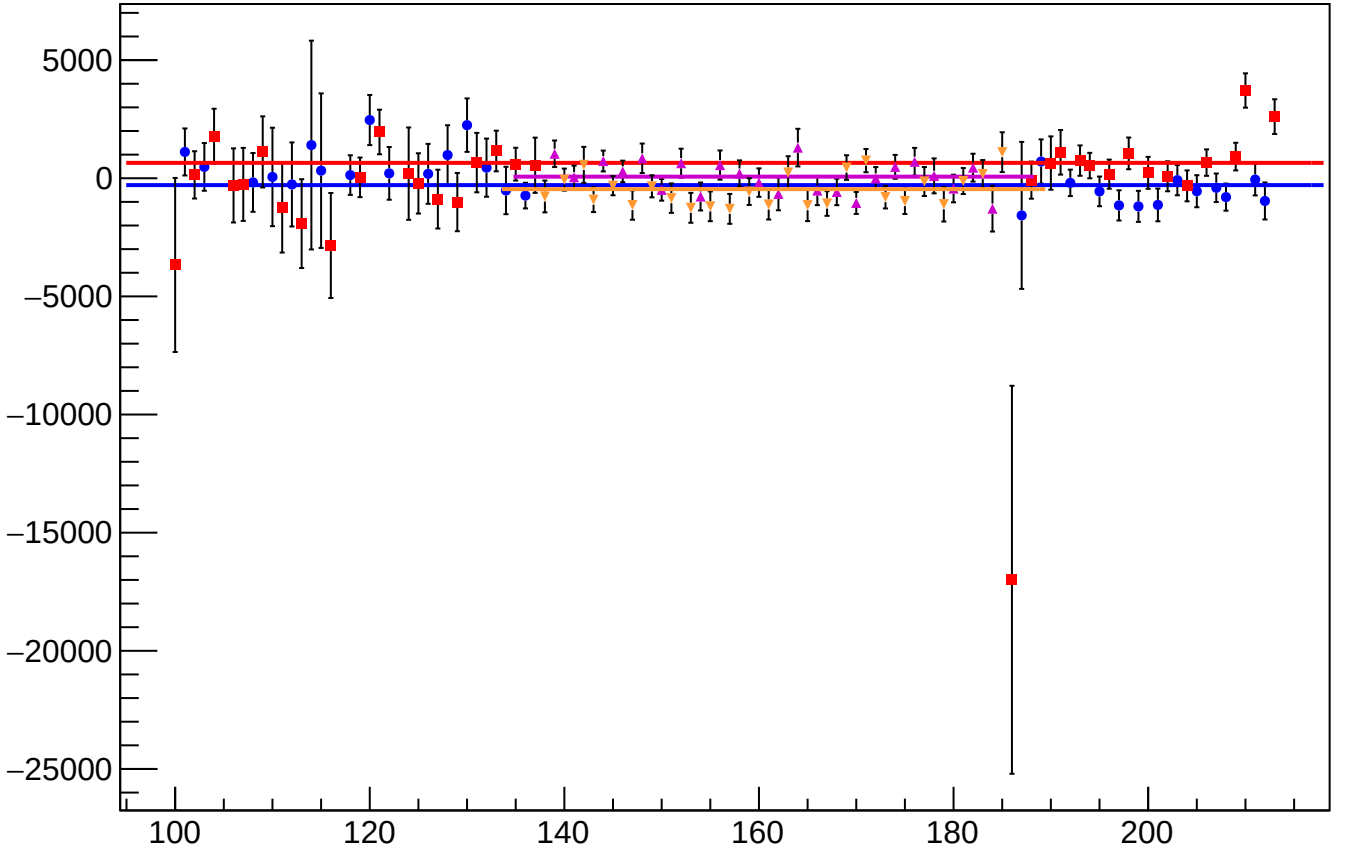
Right: 640.433+/-0.077 χ^2/NDF: 3449426.1/62

In: 561.585+/-0.068 χ^2/NDF:2769487.4/51

Out: 560.437+/-0.066 χ^2/NDF:3816238.6/58

All: 560.993+/-0.047 χ^2/NDF: 6585873.3/110

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -290.043+/-155.096 χ^2/NDF: 25.8/28

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

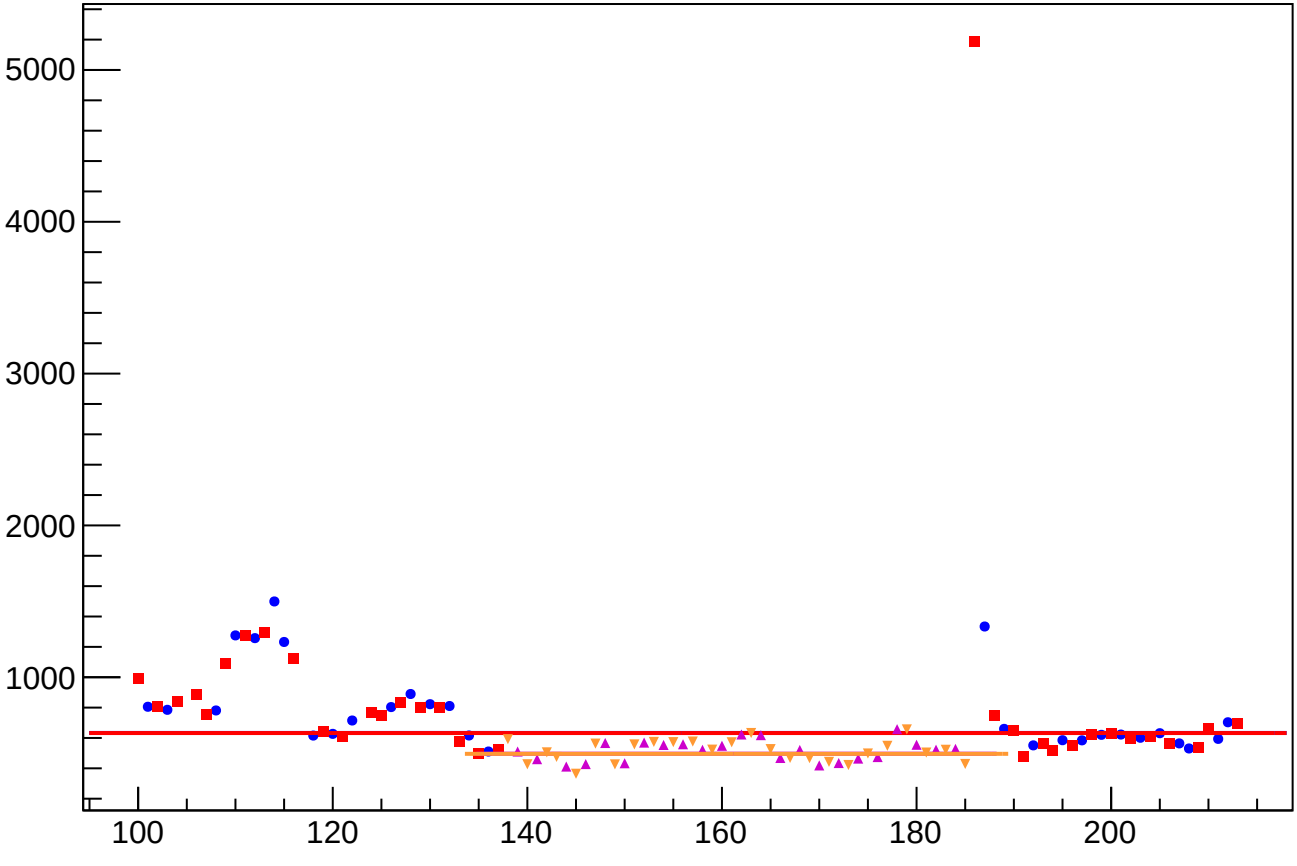
Right: 196.711+/-107.787 χ^2/NDF: 95.5/62

In: -62.346+/-93.590 χ^2/NDF:57.8/51

Out: -51.611+/-90.858 χ^2/NDF:116.2/58

All: -56.819+/-65.191 χ^2/NDF: 174.1/110

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 633.075+/-0.110 χ^2/NDF: 1333151.2/28

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

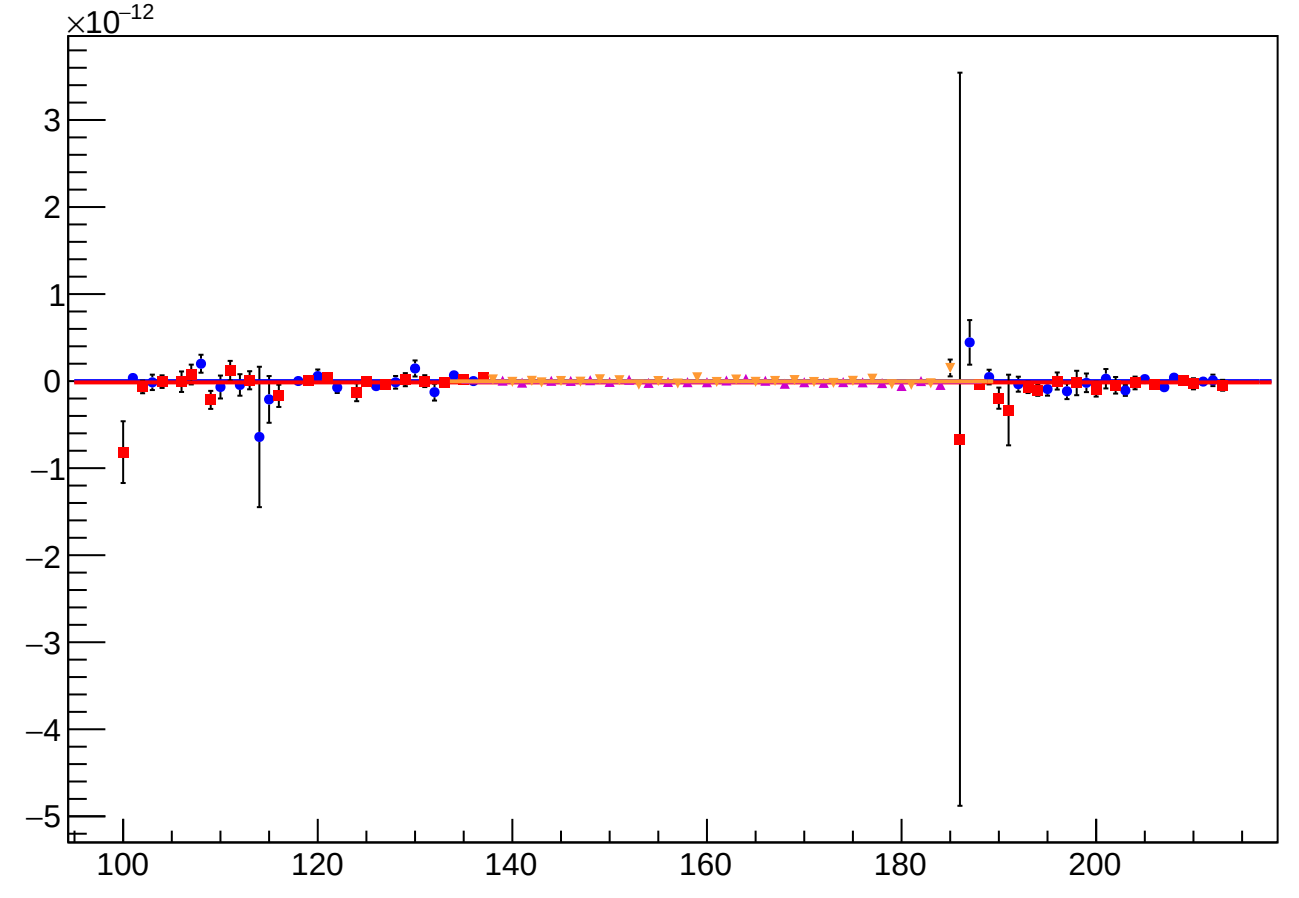
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 632.726+/-0.076 χ^2/NDF: 3534876.3/62

In: 546.108+/-0.066 χ^2/NDF:2944430.4/51

Out: 545.802+/-0.064 χ^2/NDF:4061420.2/58

All: 545.951+/-0.046 χ^2/NDF: 7005861.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/28

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

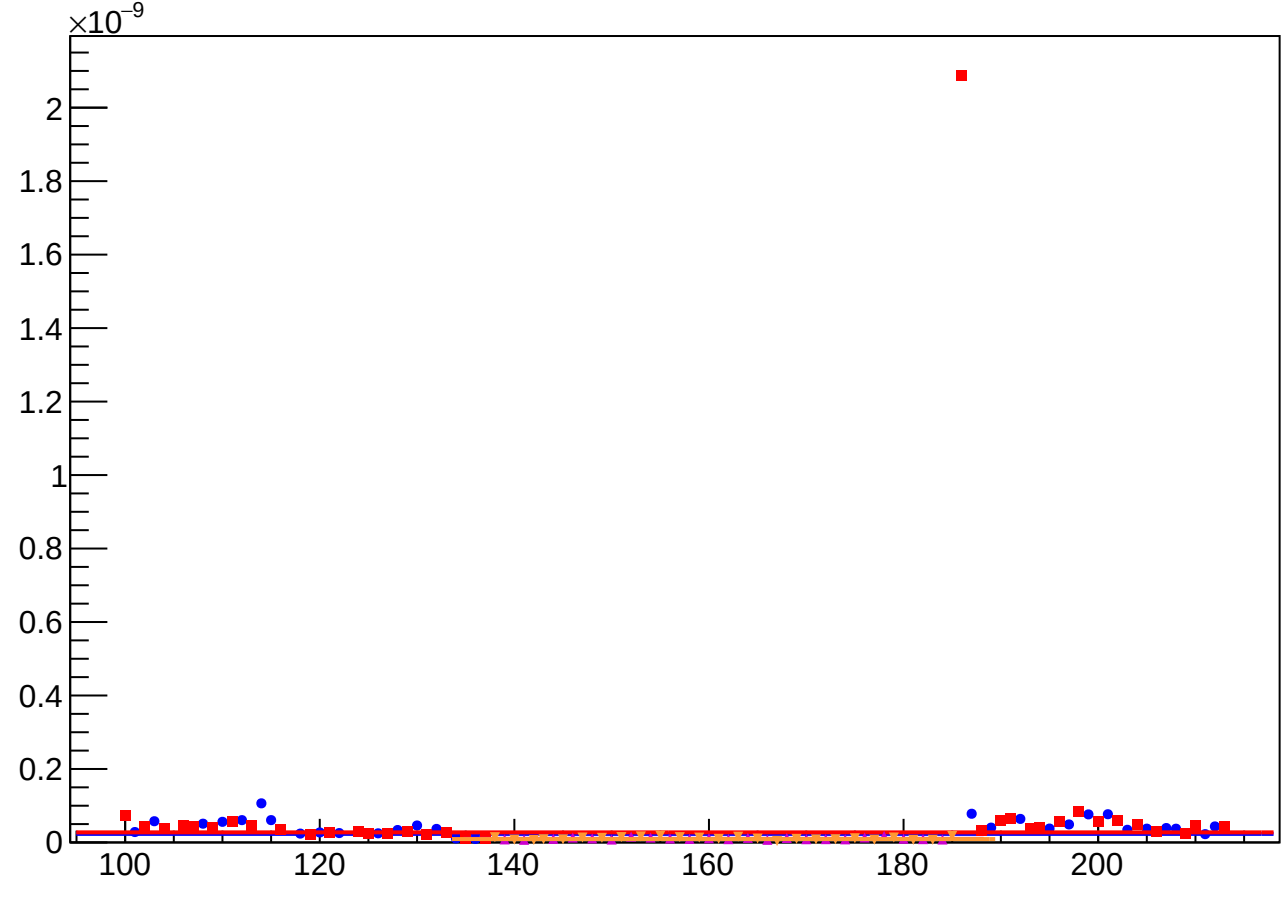
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 57.4/62

In: -0.000+/-0.000 χ^2/NDF:45.9/51

Out: -0.000+/-0.000 χ^2/NDF:53.0/58

All: -0.000+/-0.000 χ^2/NDF: 99.3/110



Right In: 0.000+/-0.000 χ^2/NDF: 5416665.1/28

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

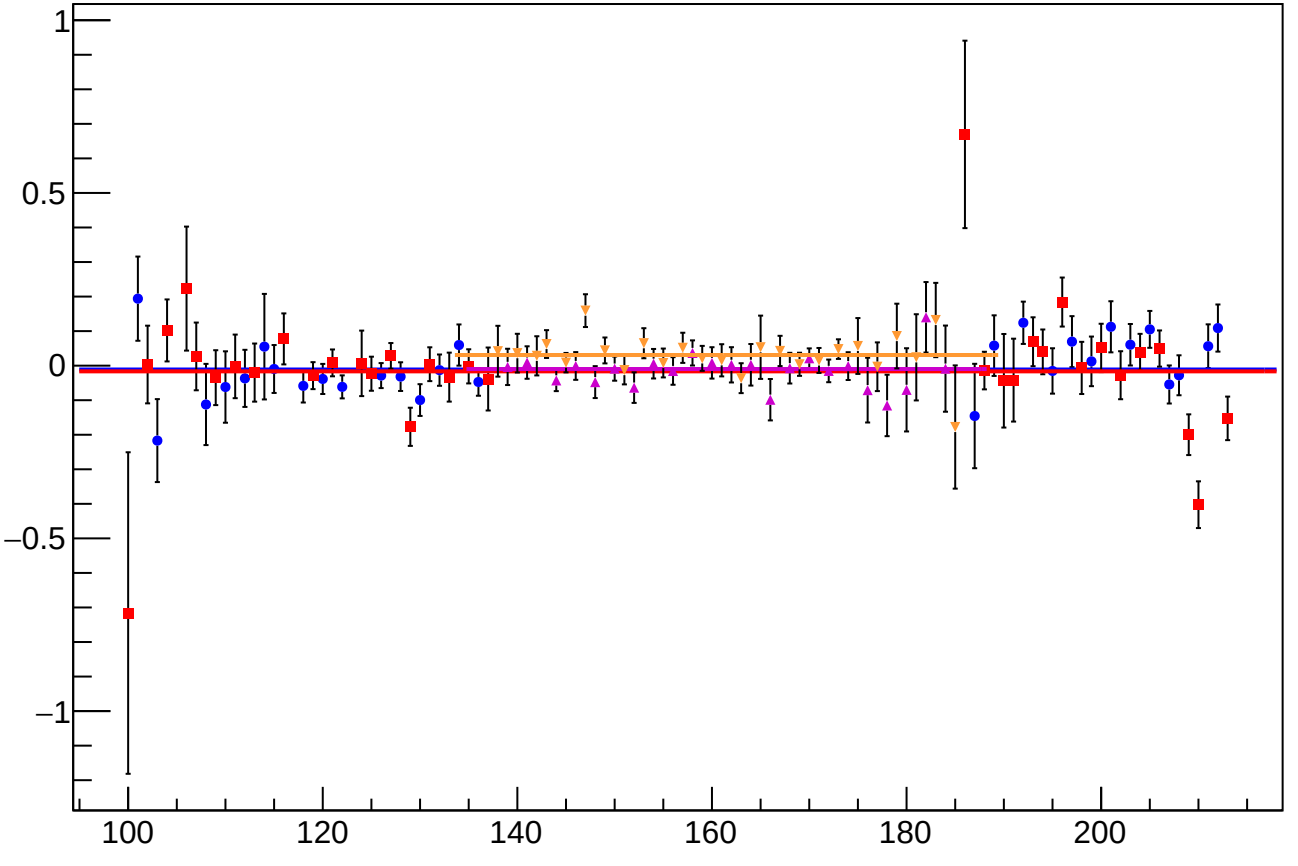
Right: 0.000+/-0.000 χ^2/NDF: 9981847.1/62

In: 0.000+/-0.000 χ^2/NDF:9351906.3/51

Out: 0.000+/-0.000 χ^2/NDF:11560484.2/58

All: 0.000+/-0.000 χ^2/NDF: 20929333.2/110

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.011 χ^2/NDF: 38.6/28

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

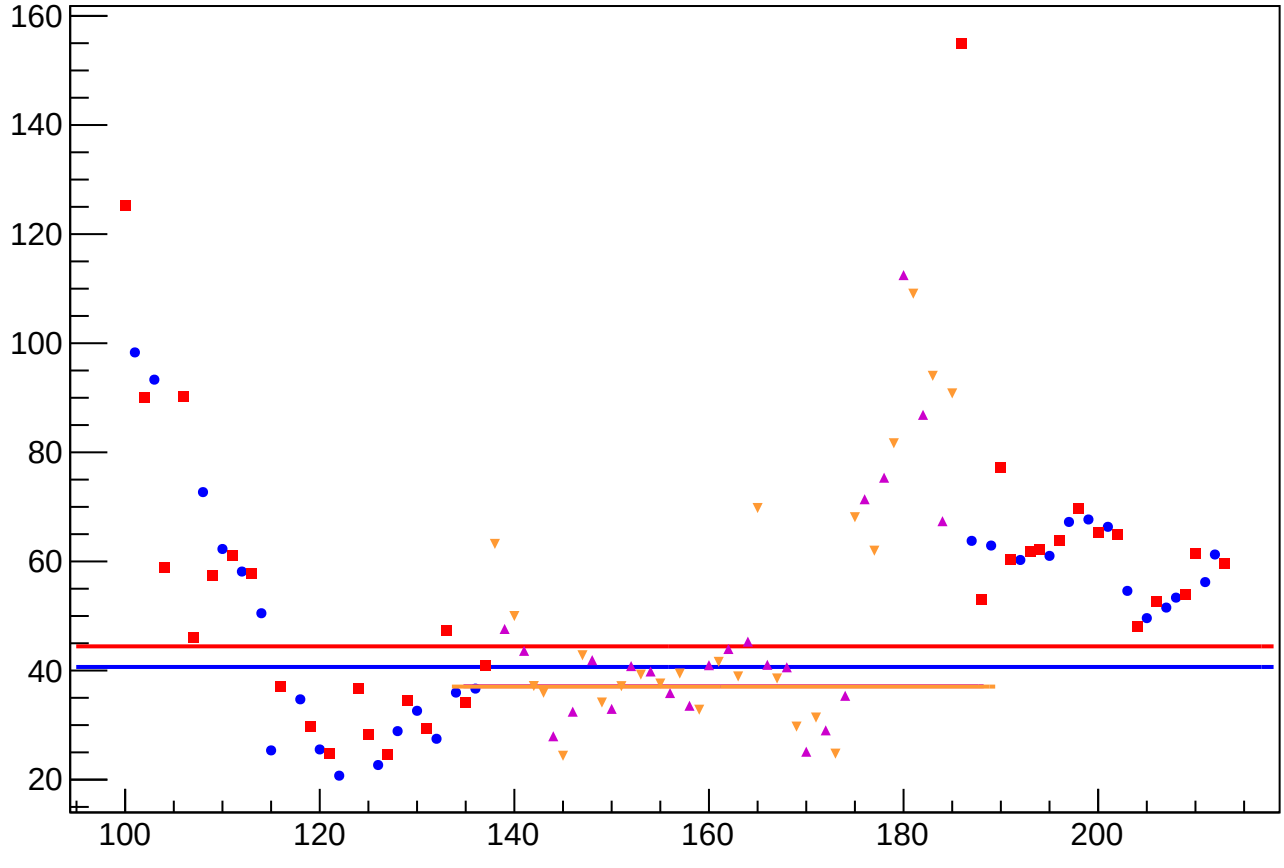
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.014+/-0.008 χ^2/NDF: 124.6/62

In: -0.010+/-0.007 χ^2/NDF:51.8/51

Out: 0.012+/-0.007 χ^2/NDF:114.6/58

All: 0.001+/-0.005 χ^2/NDF: 171.3/110



Right In: 40.657+/-0.008 χ^2/NDF: 5166468.5/28

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

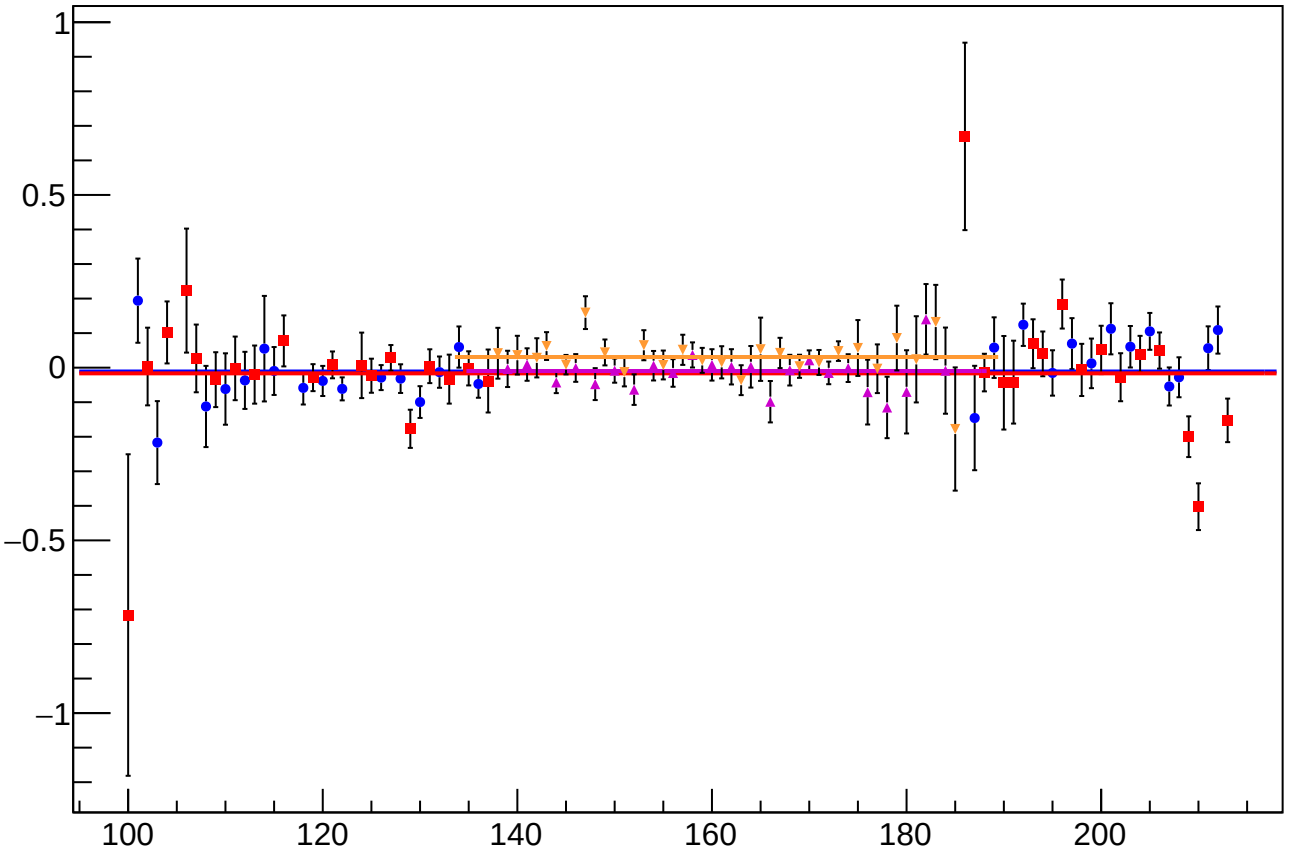
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 42.482+/-0.005 χ^2/NDF: 9873274.6/62

In: 38.659+/-0.005 χ^2/NDF:8302353.8/51

Out: 40.043+/-0.005 χ^2/NDF:9168990.1/58

All: 39.352+/-0.004 χ^2/NDF: 17509882.7/110



Right In: -0.011+/-0.011 χ^2/NDF: 38.6/28

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

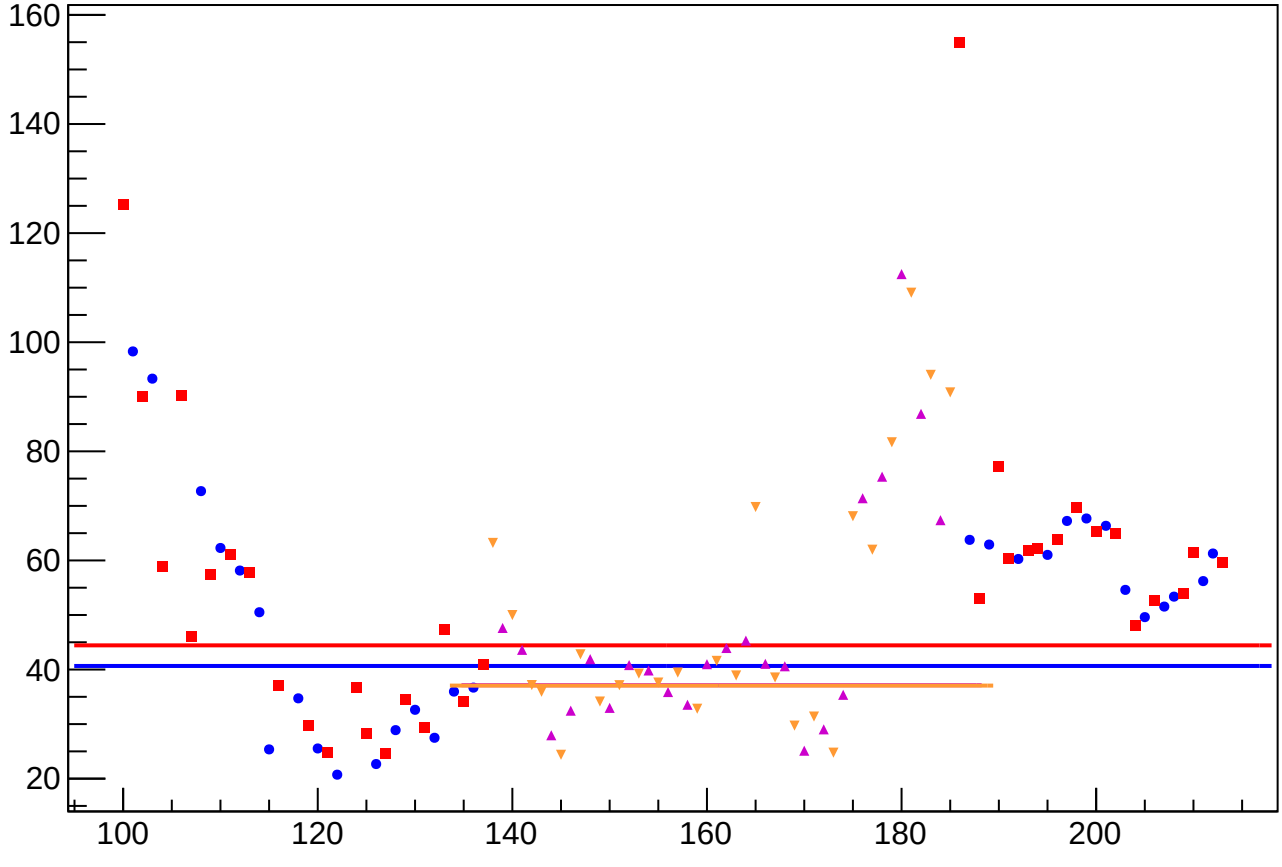
Right: -0.014+/-0.008 χ^2/NDF: 124.6/62

In: -0.010+/-0.007 χ^2/NDF:51.8/51

Out: 0.012+/-0.007 χ^2/NDF:114.6/58

All: 0.001+/-0.005 χ^2/NDF: 171.3/110

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.657+/-0.008 χ^2/NDF: 5166468.5/28

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

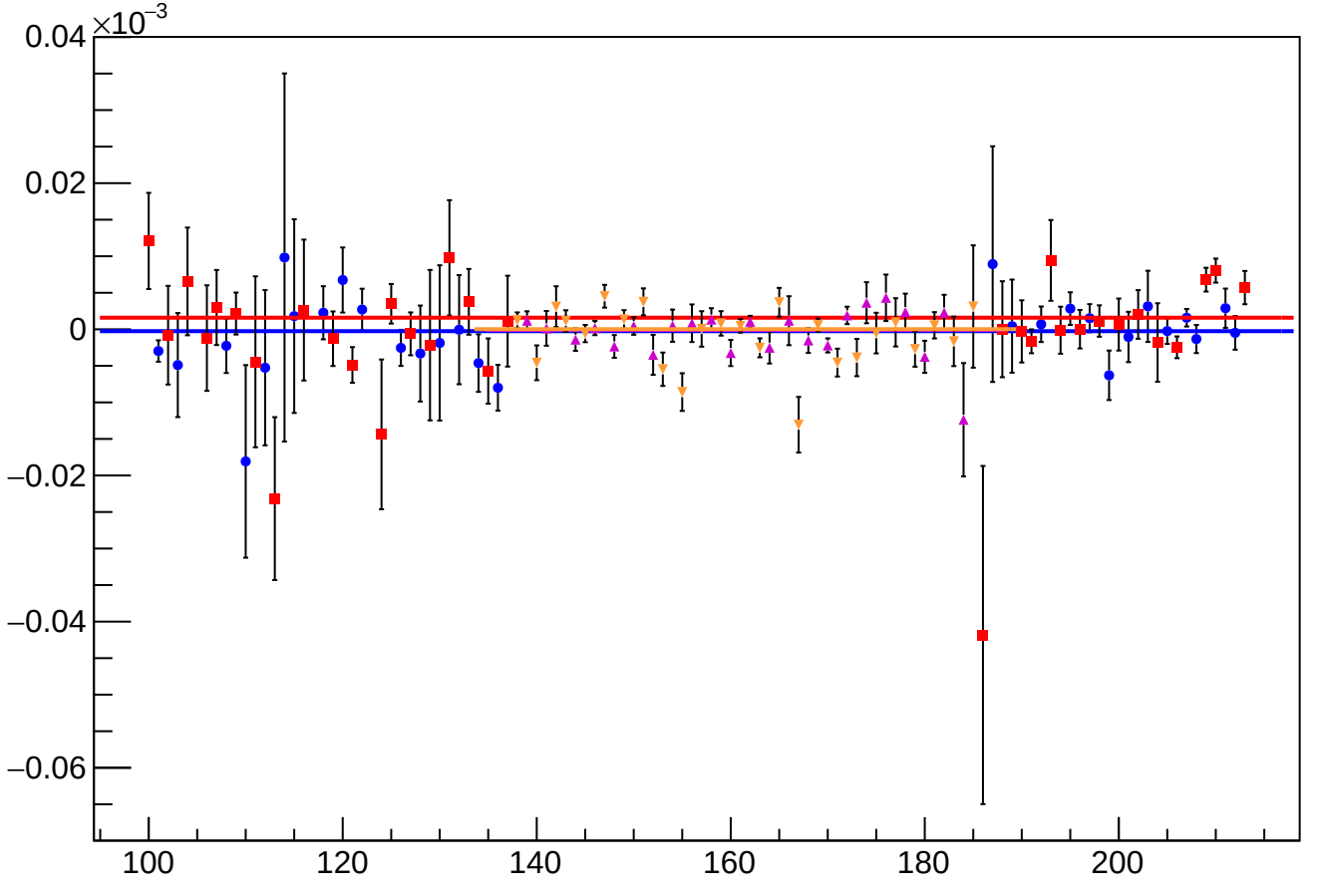
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 42.482+/-0.005 χ^2/NDF: 9873274.6/62

In: 38.659+/-0.005 χ^2/NDF:8302353.8/51

Out: 40.043+/-0.005 χ^2/NDF:9168990.1/58

All: 39.352+/-0.004 χ^2/NDF: 17509882.7/110



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/28

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 71.0/33

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

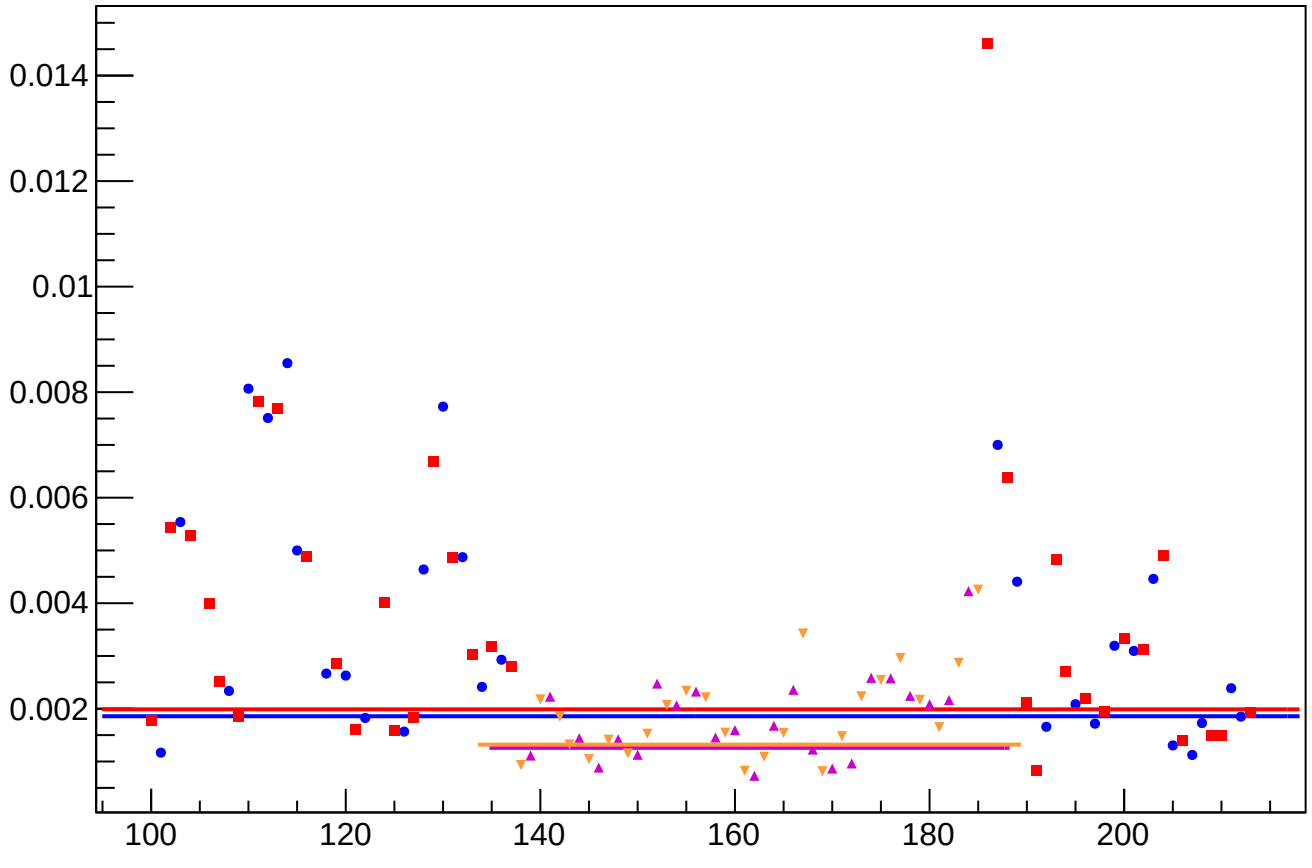
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

Right: 0.000+/-0.000 χ^2/NDF: 107.0/62

In: -0.000+/-0.000 χ^2/NDF:62.2/51

Out: 0.000+/-0.000 χ^2/NDF:144.8/58

All: 0.000+/-0.000 χ^2/NDF: 209.2/110



Right In: 0.002+/-0.000 χ^2/NDF: 6774854.3/28

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8502465.1/33

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

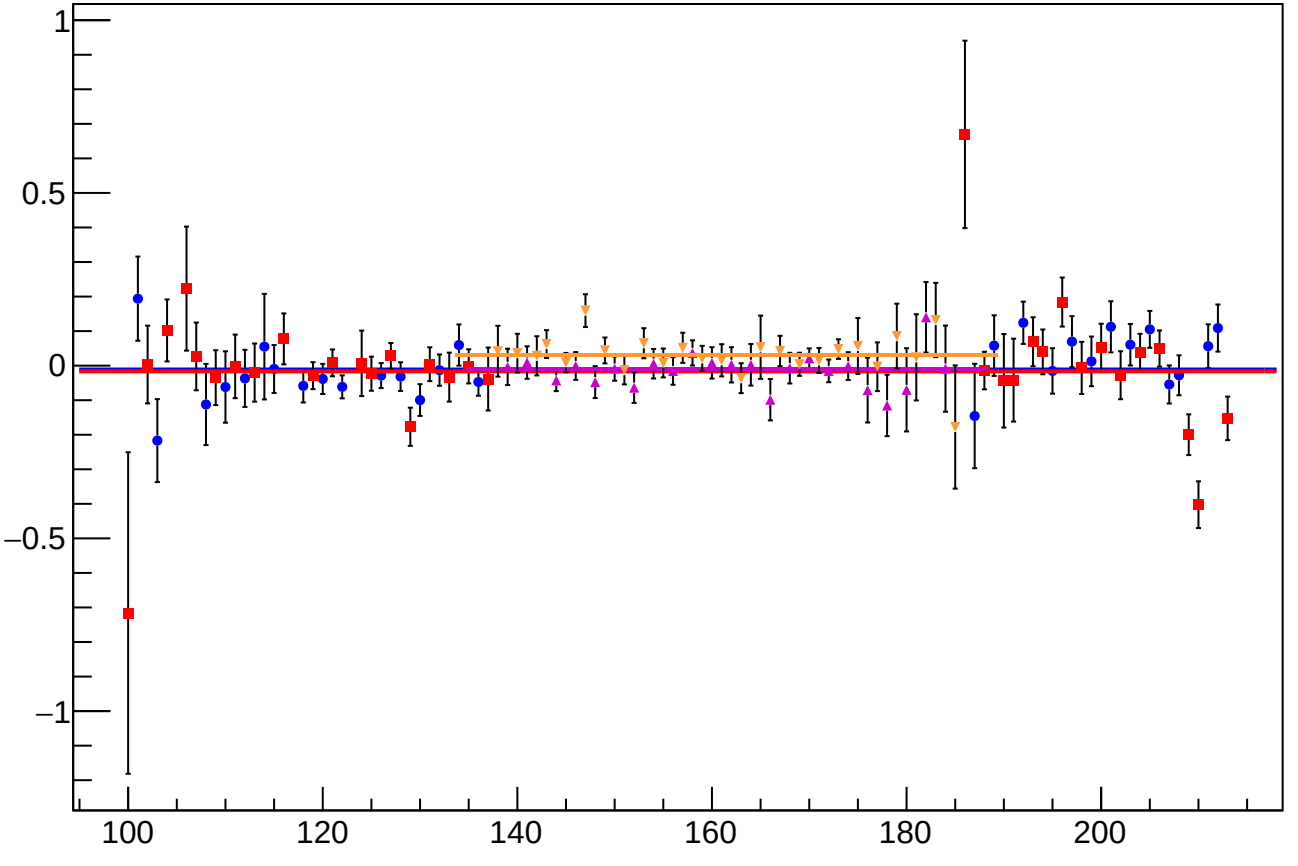
Right: 0.002+/-0.000 χ^2/NDF: 15338680.2/62

In: 0.001+/-0.000 χ^2/NDF:14046372.3/51

Out: 0.002+/-0.000 χ^2/NDF:16376894.3/58

All: 0.001+/-0.000 χ^2/NDF: 30494687.3/110

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.011 χ^2/NDF: 38.6/28

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

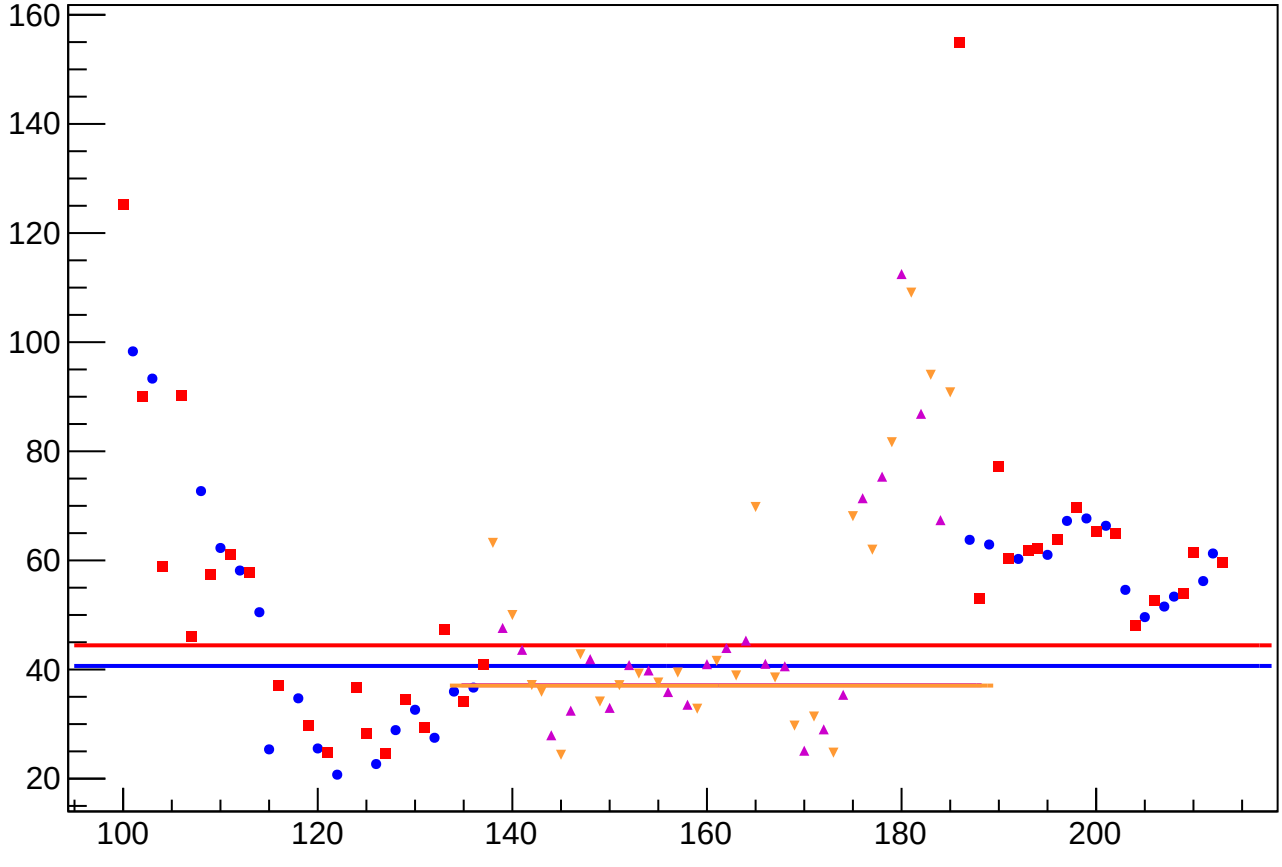
Right: -0.014+/-0.008 χ^2/NDF: 124.5/62

In: -0.010+/-0.007 χ^2/NDF:51.8/51

Out: 0.012+/-0.007 χ^2/NDF:114.5/58

All: 0.001+/-0.005 χ^2/NDF: 171.3/110

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.657+/-0.008 χ^2/NDF: 5166344.4/28

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

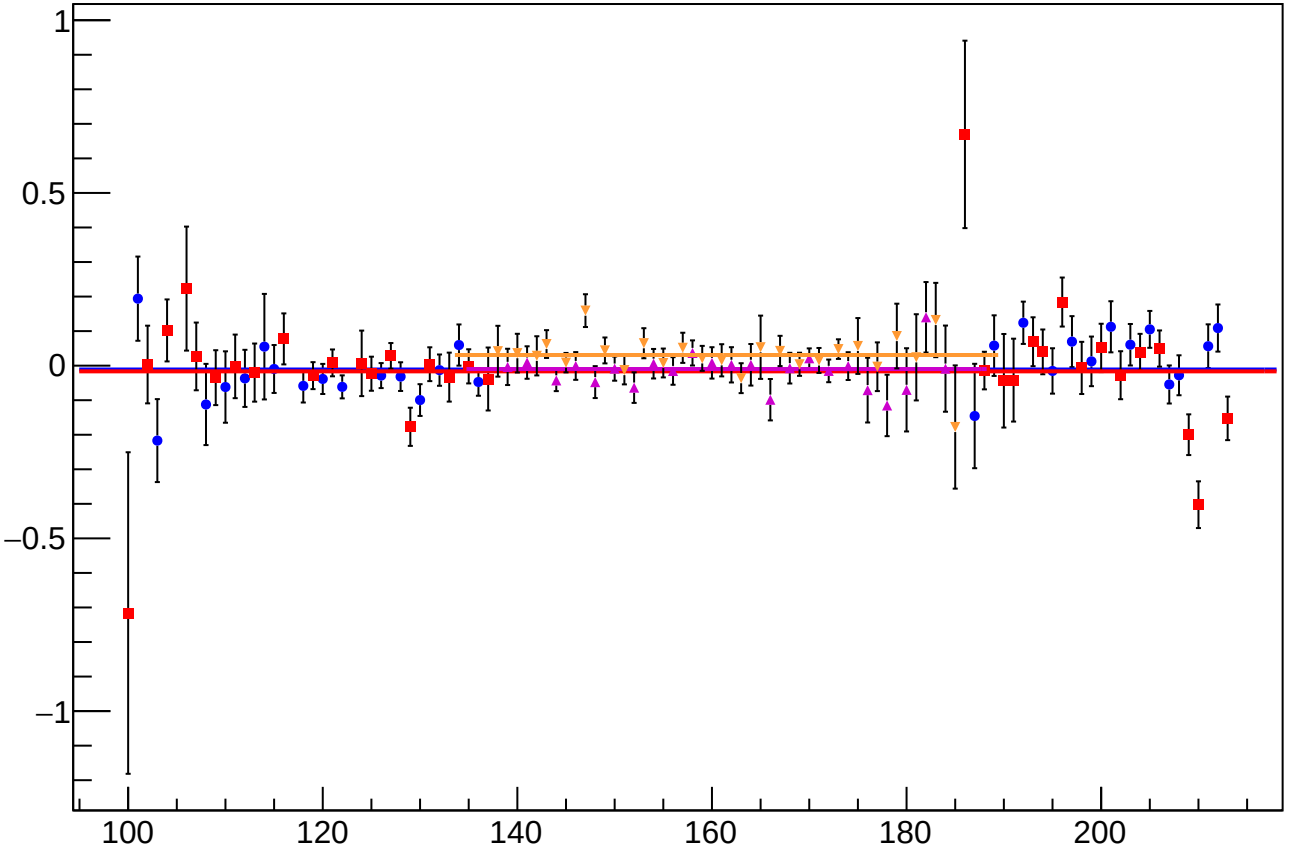
Right: 42.483+/-0.005 χ^2/NDF: 9872936.1/62

In: 38.659+/-0.005 χ^2/NDF:8302226.7/51

Out: 40.043+/-0.005 χ^2/NDF:9168839.7/58

All: 39.352+/-0.004 χ^2/NDF: 17509606.2/110

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.011 χ^2/NDF: 38.6/28

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

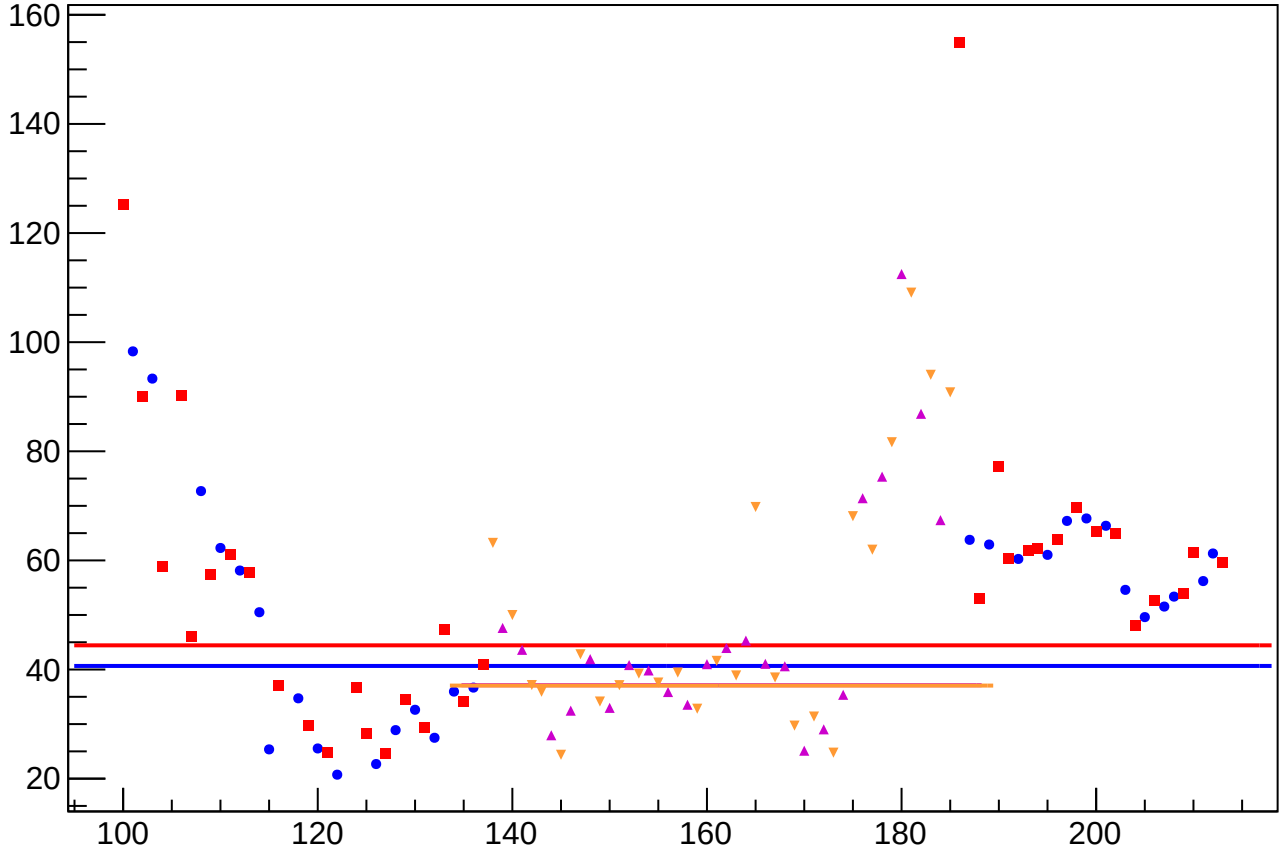
Right: -0.014+/-0.008 χ^2/NDF: 124.5/62

In: -0.010+/-0.007 χ^2/NDF:51.8/51

Out: 0.012+/-0.007 χ^2/NDF:114.5/58

All: 0.001+/-0.005 χ^2/NDF: 171.3/110

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.657+/-0.008 χ^2/NDF: 5166344.4/28

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

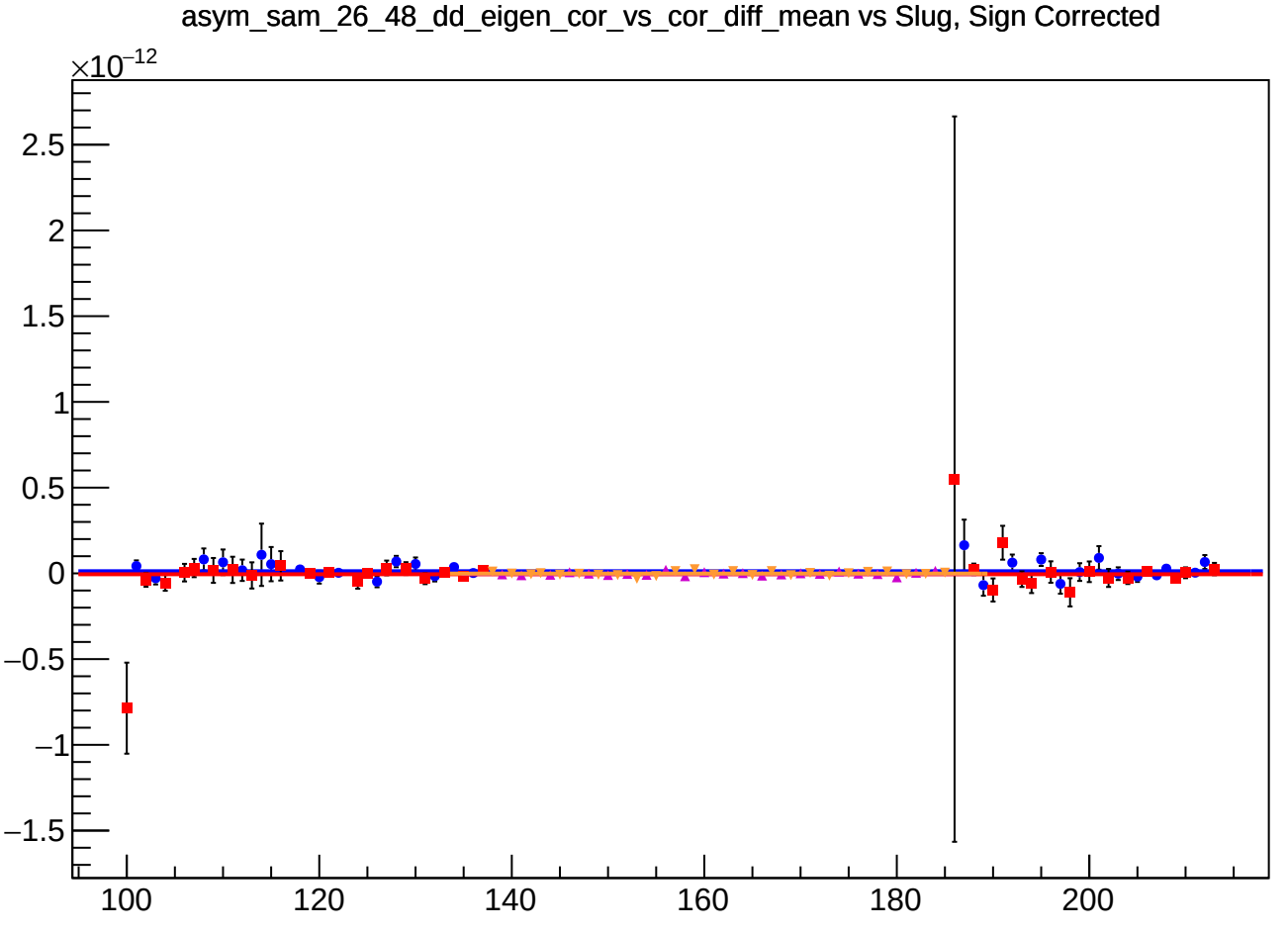
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 42.483+/-0.005 χ^2/NDF: 9872936.1/62

In: 38.659+/-0.005 χ^2/NDF:8302226.7/51

Out: 40.043+/-0.005 χ^2/NDF:9168839.7/58

All: 39.352+/-0.004 χ^2/NDF: 17509606.2/110



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/28

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

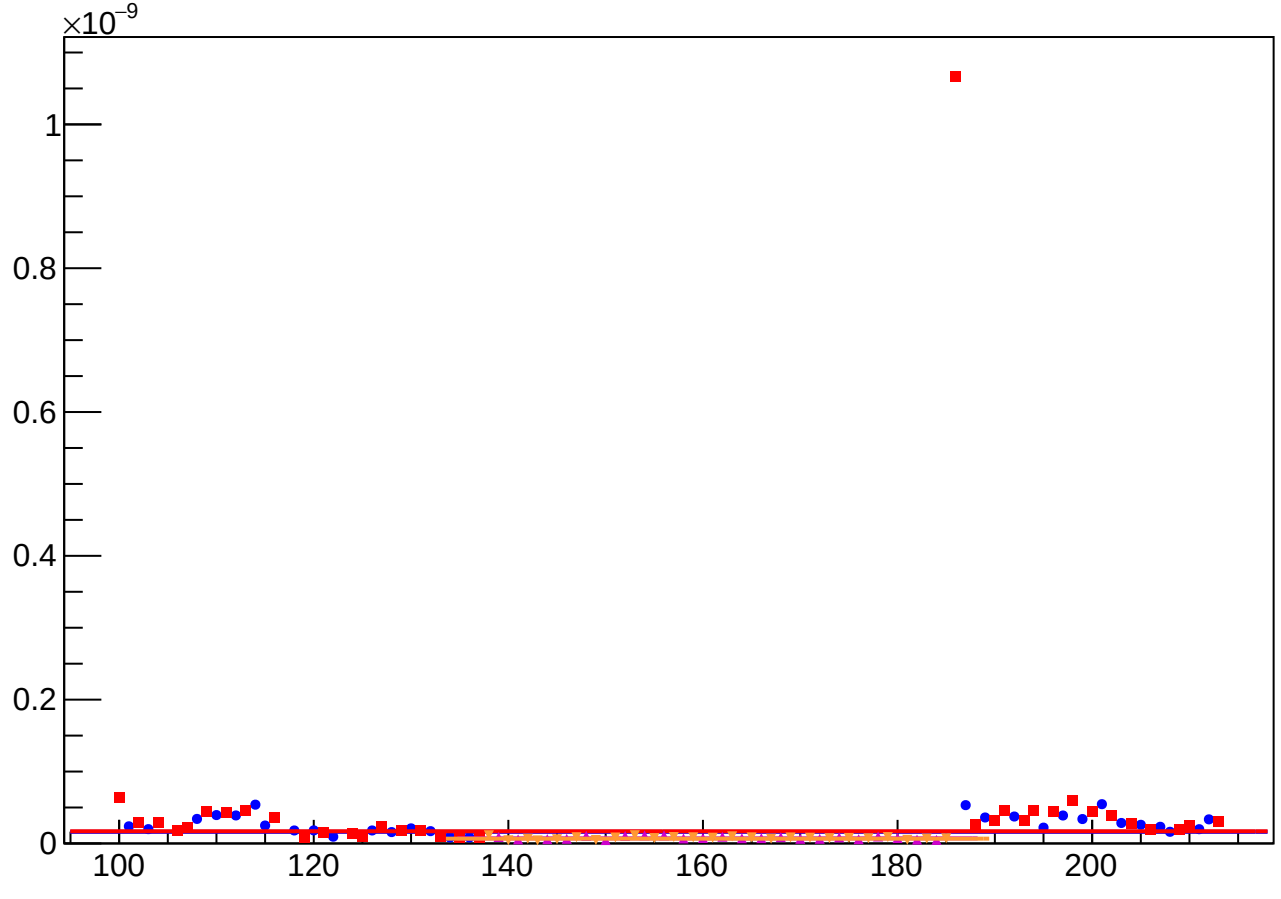
Right: 0.000+/-0.000 χ^2/NDF: 65.8/62

In: -0.000+/-0.000 χ^2/NDF:59.0/51

Out: -0.000+/-0.000 χ^2/NDF:55.8/58

All: -0.000+/-0.000 χ^2/NDF: 114.9/110

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5701775.6/28

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

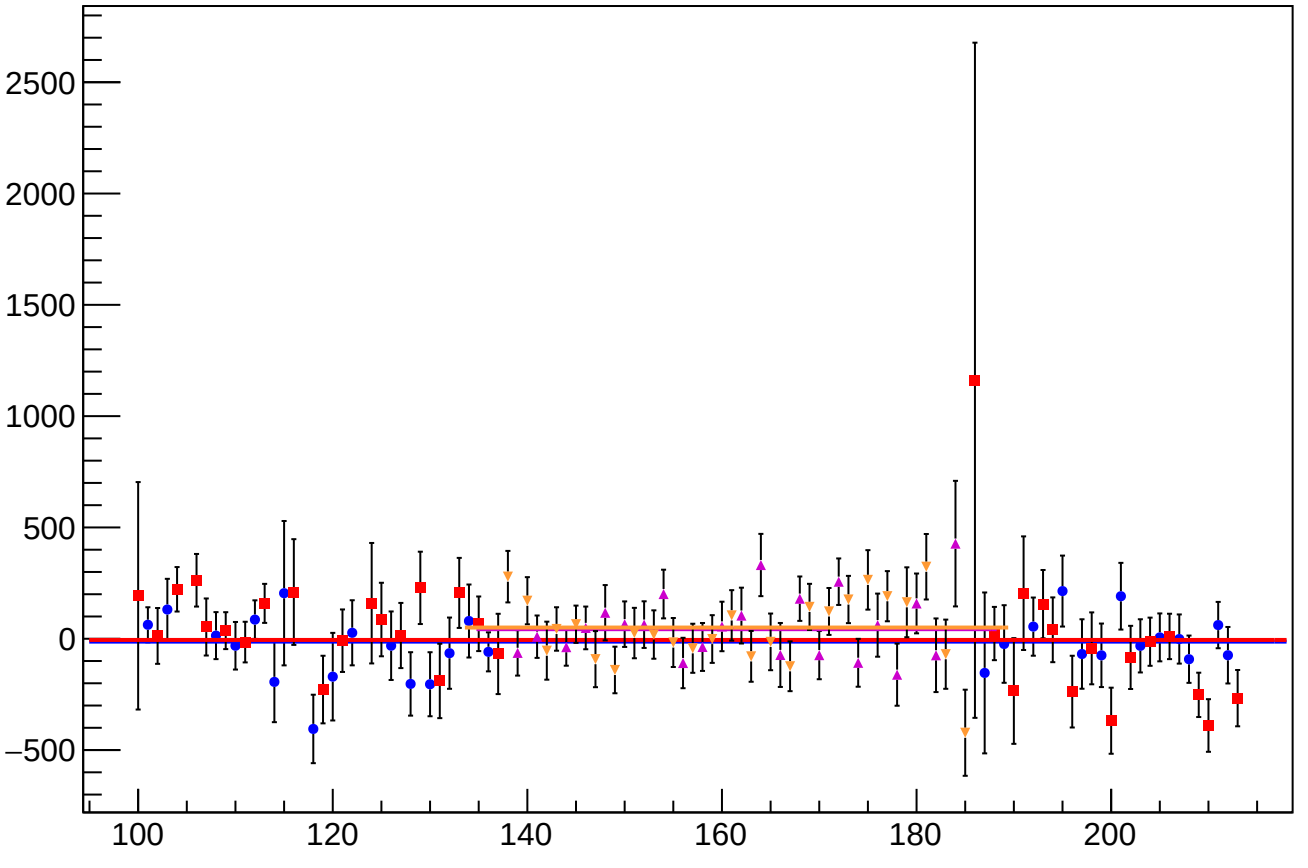
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13386693.9/62

In: 0.000+/-0.000 χ^2/NDF:11975510.3/51

Out: 0.000+/-0.000 χ^2/NDF:15681140.9/58

All: 0.000+/-0.000 χ^2/NDF: 27717705.8/110



Right In: -12.852+/-23.702 χ^2/NDF: 22.3/28

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

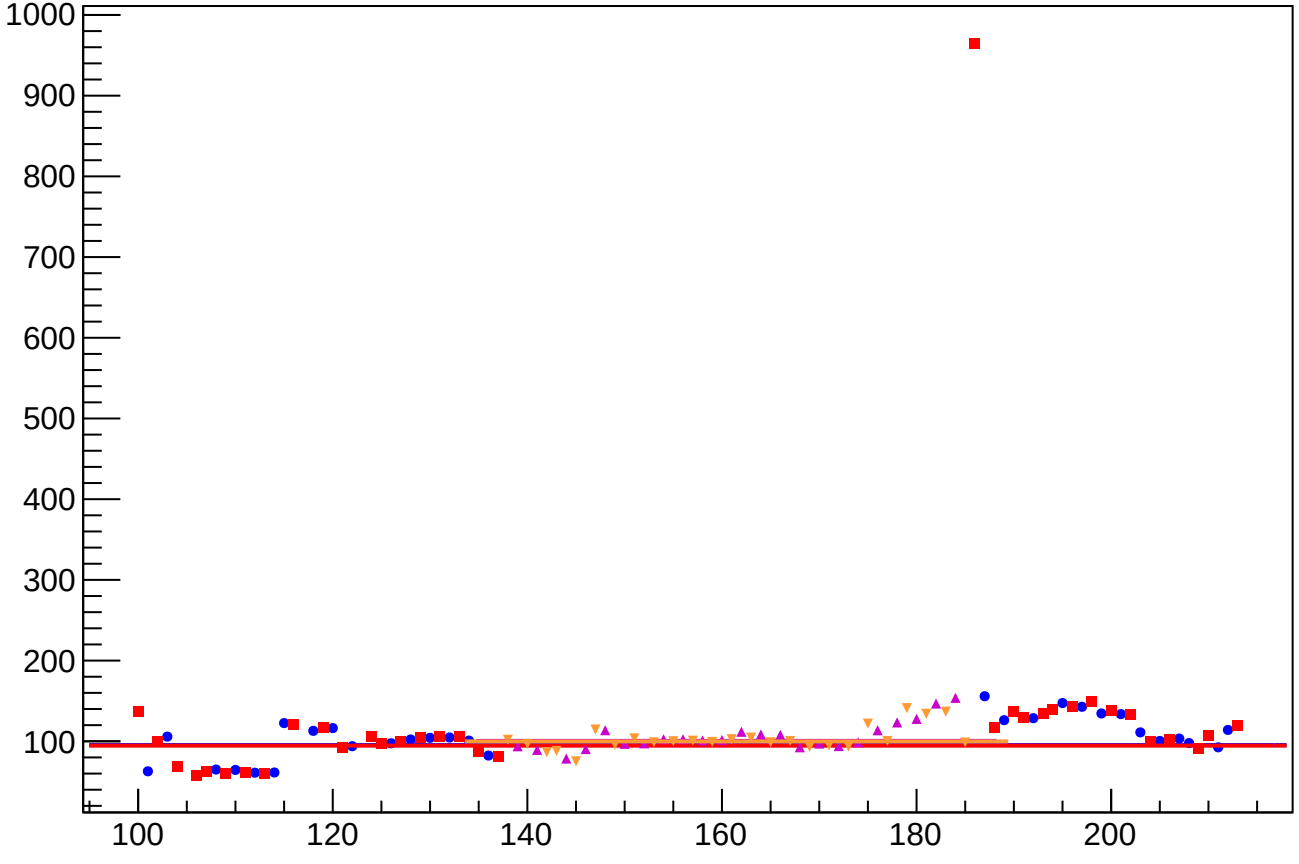
Right: -8.996+/-16.490 χ^2/NDF: 79.0/62

In: 15.021+/-16.780 χ^2/NDF:51.7/51

Out: 22.466+/-16.233 χ^2/NDF:93.0/58

All: 18.867+/-11.667 χ^2/NDF: 144.8/110

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 95.278+/-0.017 χ^2/NDF: 2221139.1/28

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

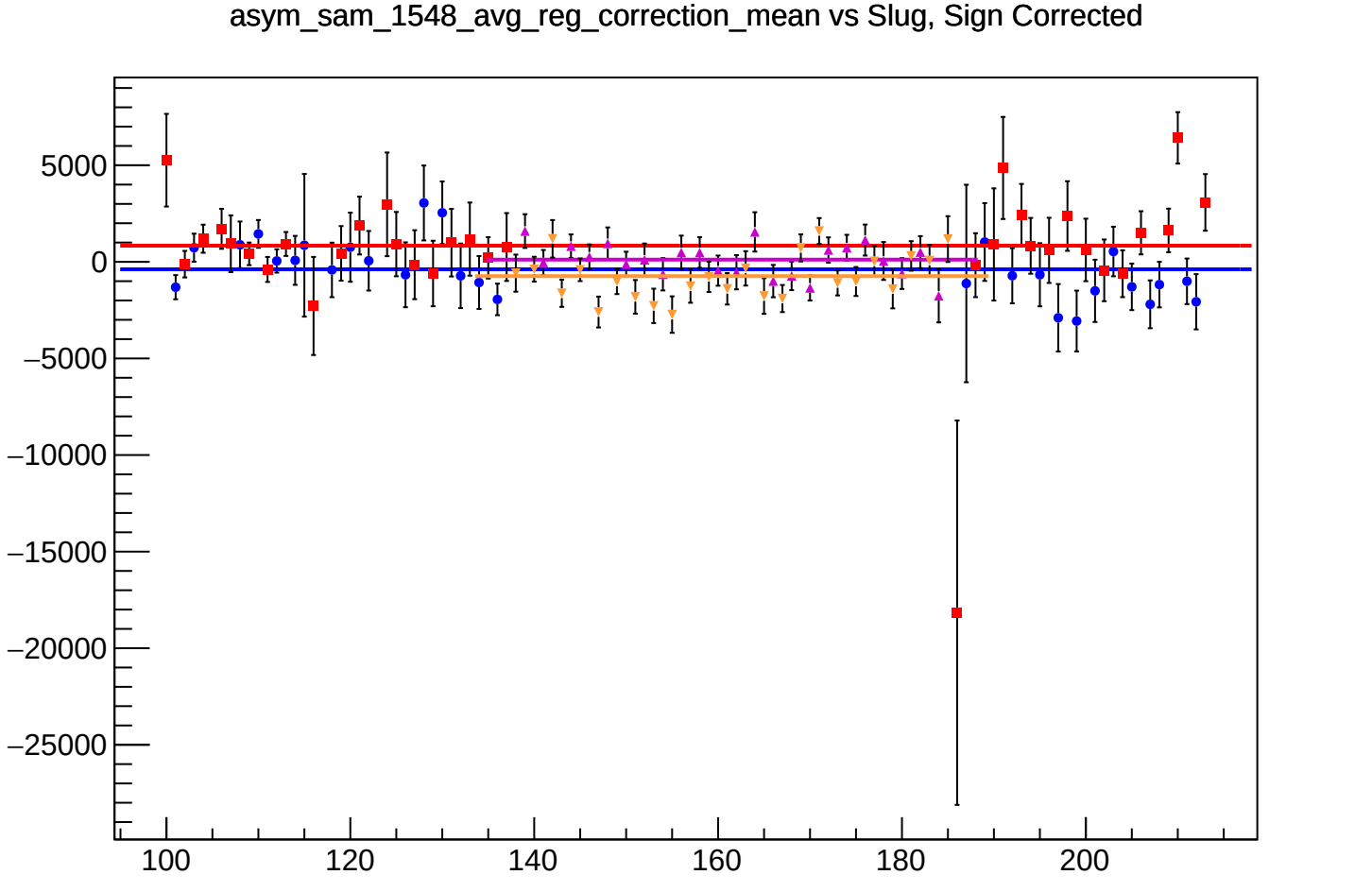
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 94.951+/-0.012 χ^2/NDF: 5759919.6/62

In: 97.882+/-0.012 χ^2/NDF:2926377.6/51

Out: 97.241+/-0.011 χ^2/NDF:4287013.1/58

All: 97.551+/-0.008 χ^2/NDF: 7214895.2/110



Right In: -385.031+/-216.777 χ^2/NDF: 35.2/28

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

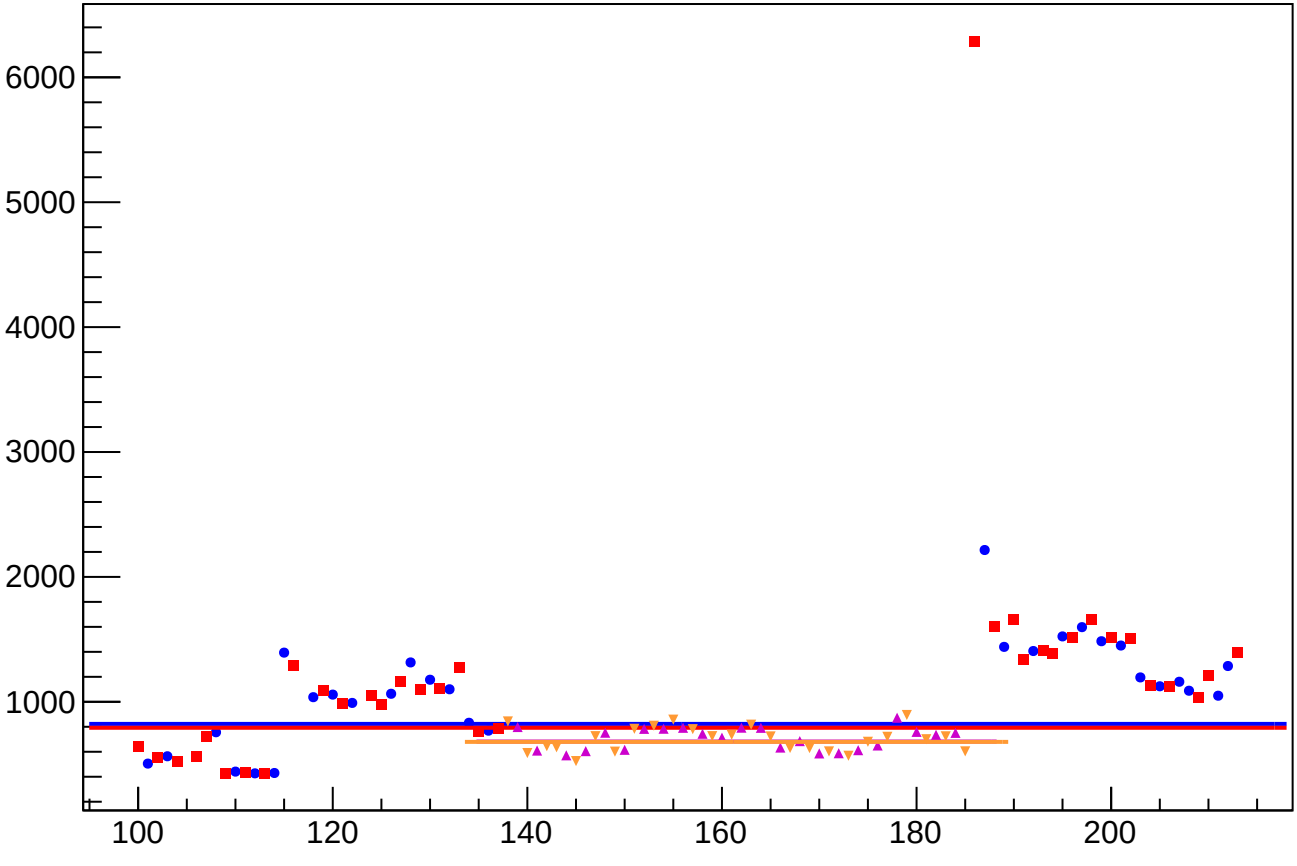
Right: 260.686+/-148.918 χ^2/NDF: 97.5/62

In: -62.338+/-129.246 χ^2/NDF:62.3/51

Out: -158.653+/-124.283 χ^2/NDF:132.6/58

All: -112.380+/-89.585 χ^2/NDF: 195.2/110

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 823.108+/-0.153 χ^2/NDF: 5787872.4/28

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

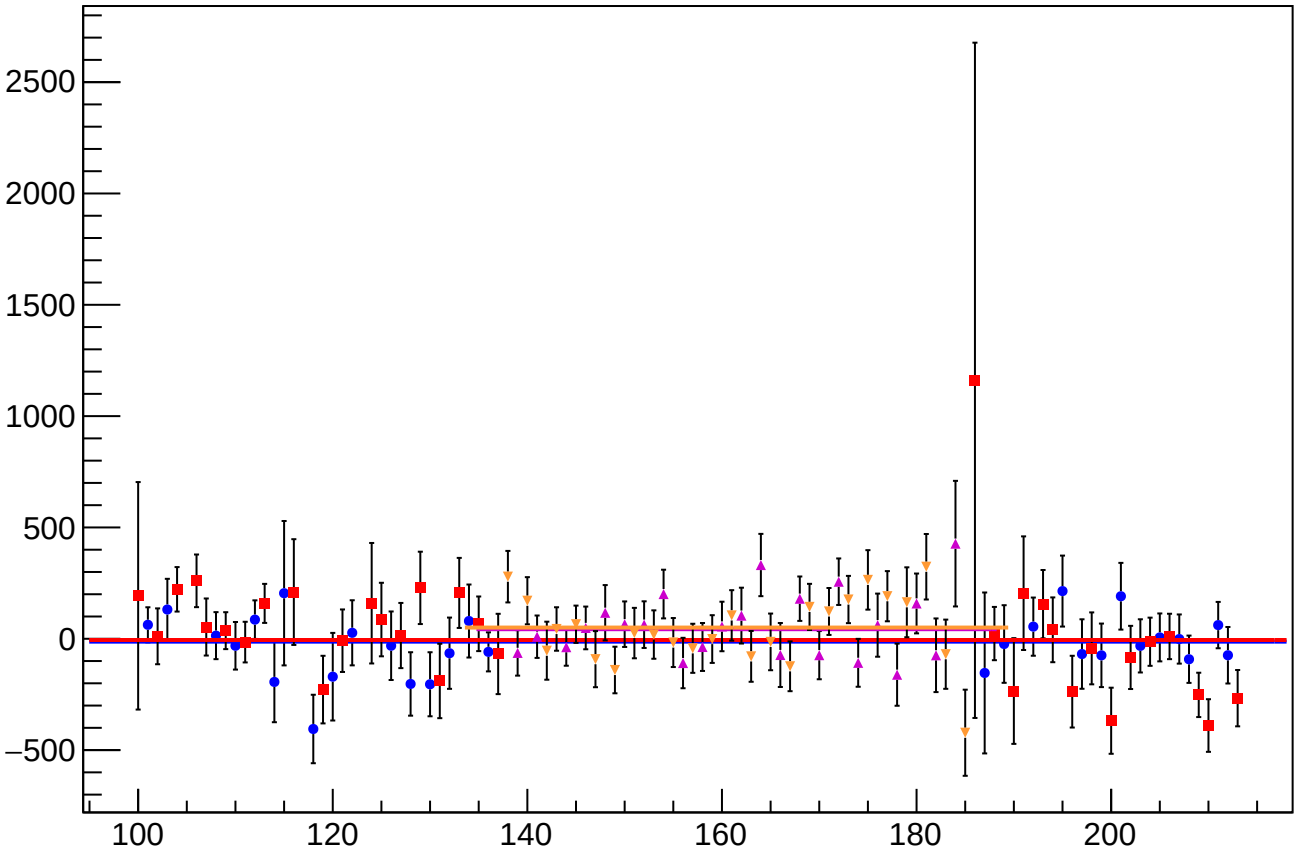
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 806.745+/-0.105 χ^2/NDF: 13713526.3/62

In: 732.092+/-0.091 χ^2/NDF:6908704.7/51

Out: 720.701+/-0.088 χ^2/NDF:9025784.2/58

All: 726.173+/-0.063 χ^2/NDF: 15942560.6/1



Right In: -12.854+/-23.702 χ^2/NDF: 22.3/28

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

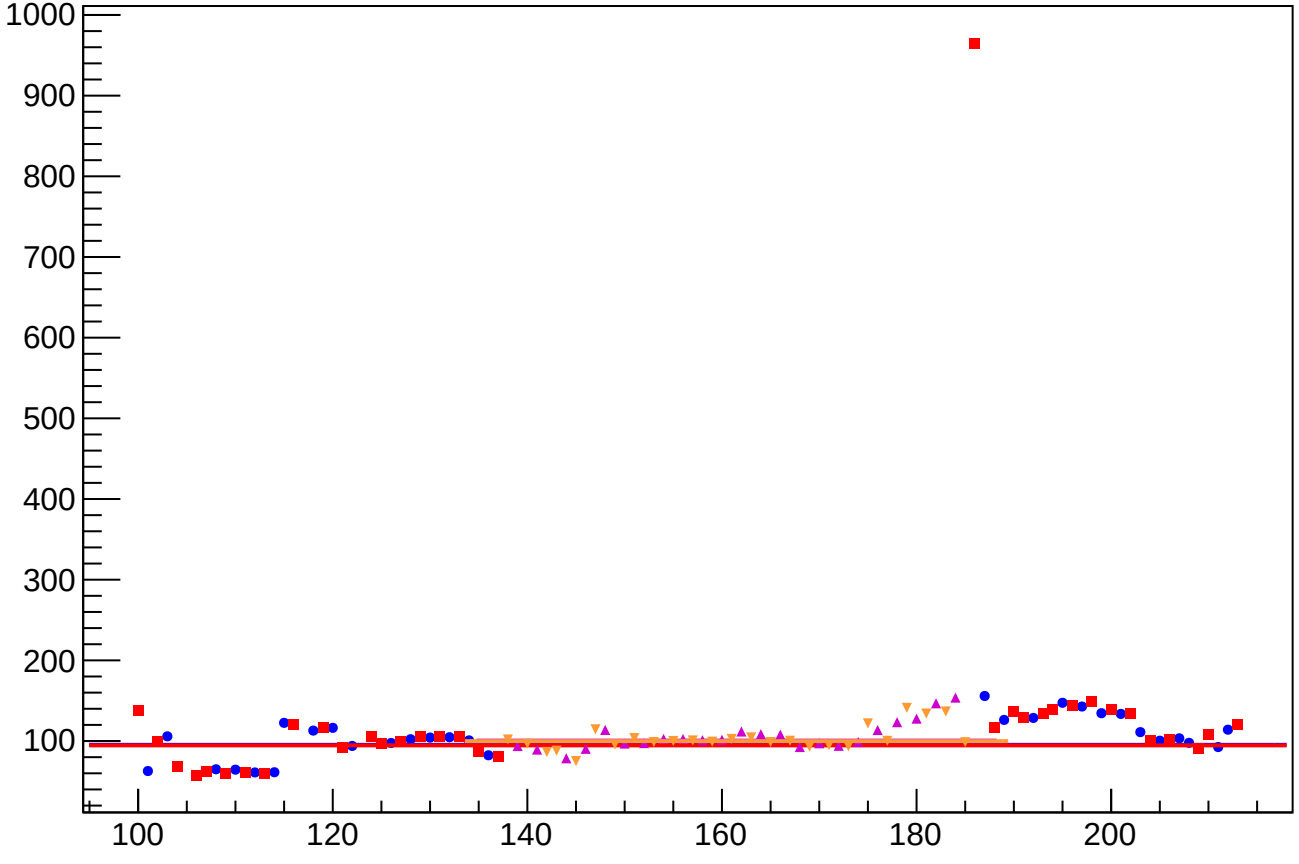
Right: -9.078+/-16.490 χ^2/NDF: 78.9/62

In: 15.020+/-16.780 χ^2/NDF:51.7/51

Out: 22.393+/-16.233 χ^2/NDF:92.9/58

All: 18.828+/-11.667 χ^2/NDF: 144.7/110

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 95.278+/-0.017 χ^2/NDF: 2221140.3/28

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

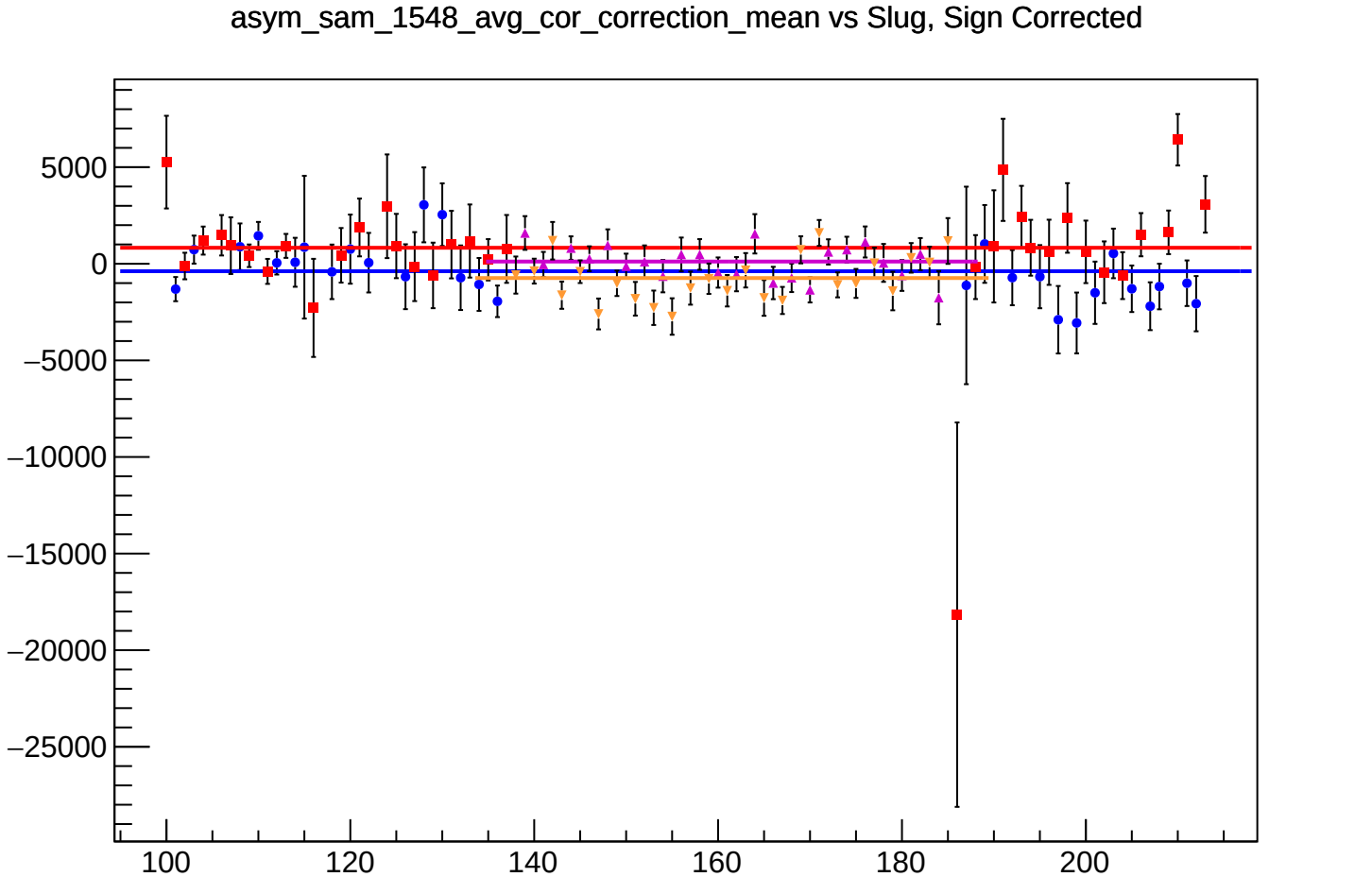
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 94.946+/-0.012 χ^2/NDF: 5763369.6/62

In: 97.882+/-0.012 χ^2/NDF:2926378.6/51

Out: 97.237+/-0.011 χ^2/NDF:4290630.1/58

All: 97.548+/-0.008 χ^2/NDF: 7218535.8/110



Right In: -385.054+/-216.779 χ^2/NDF: 35.2/28

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

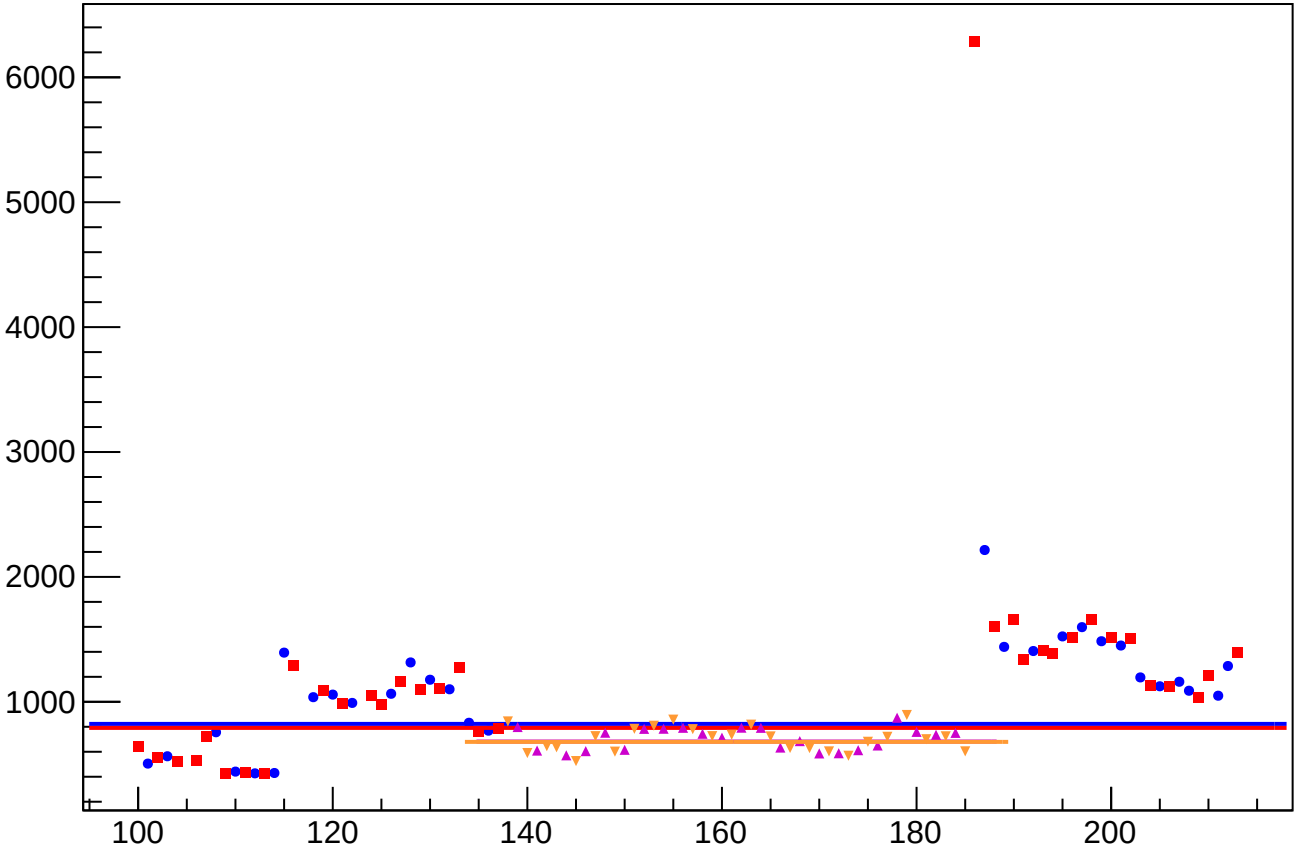
Right: 255.492+/-148.955 χ^2/NDF: 96.8/62

In: -62.344+/-129.247 χ^2/NDF:62.3/51

Out: -162.400+/-124.304 χ^2/NDF:131.7/58

All: -114.322+/-89.593 χ^2/NDF: 194.4/110

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 823.117+/-0.153 χ^2/NDF: 5787710.7/28

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

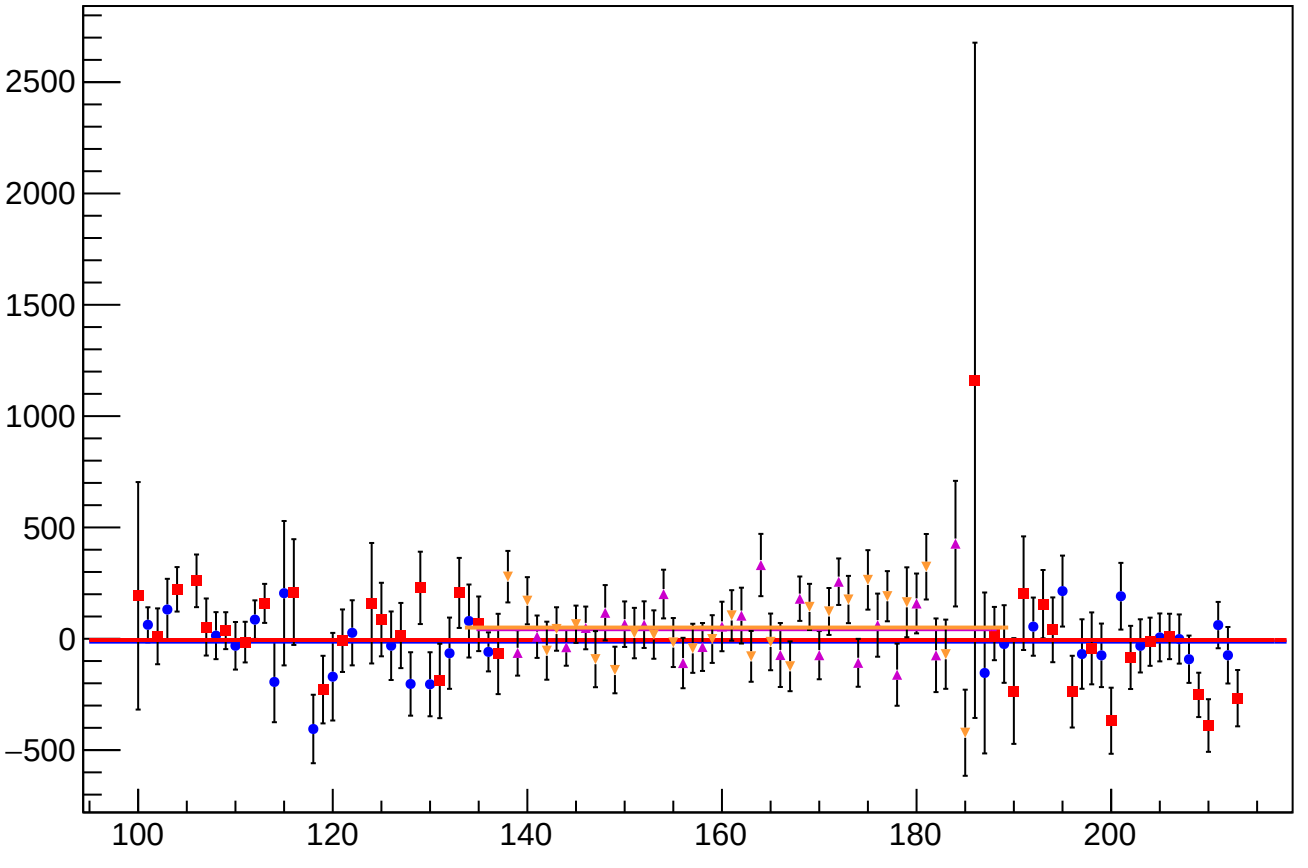
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 806.195+/-0.105 χ^2/NDF: 13742612.5/62

In: 732.095+/-0.091 χ^2/NDF:6908612.0/51

Out: 720.285+/-0.088 χ^2/NDF:9046088.6/58

All: 725.960+/-0.063 χ^2/NDF: 15963374.8/1



Right In: -12.854+/-23.702 χ^2/NDF: 22.3/28

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

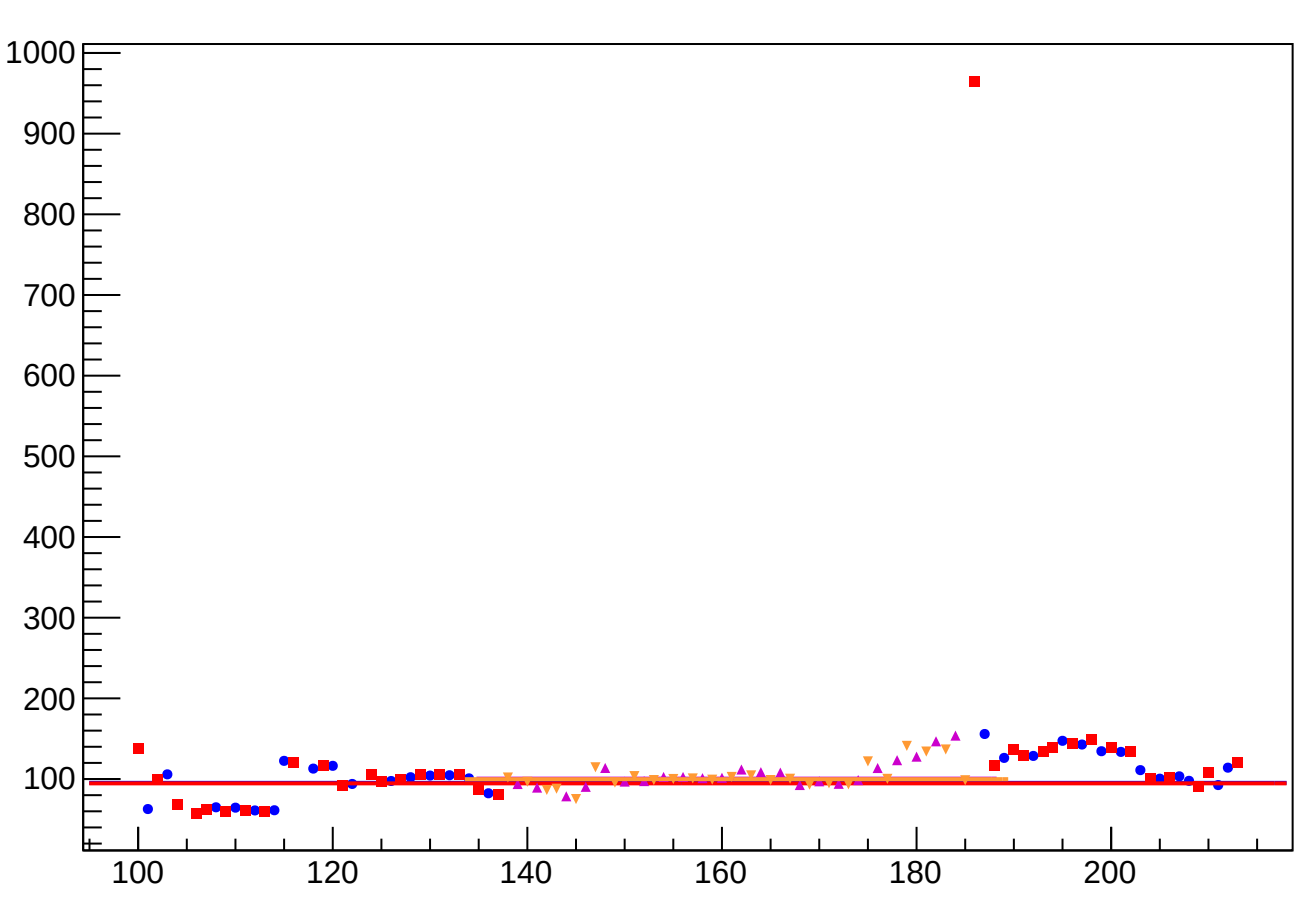
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: -9.078+/-16.490 χ^2/NDF: 78.9/62

In: 15.020+/-16.780 χ^2/NDF:51.7/51

Out: 22.393+/-16.233 χ^2/NDF:92.9/58

All: 18.828+/-11.667 χ^2/NDF: 144.7/110



Right In: 95.278+/-0.017 χ^2/NDF: 2221140.3/28

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

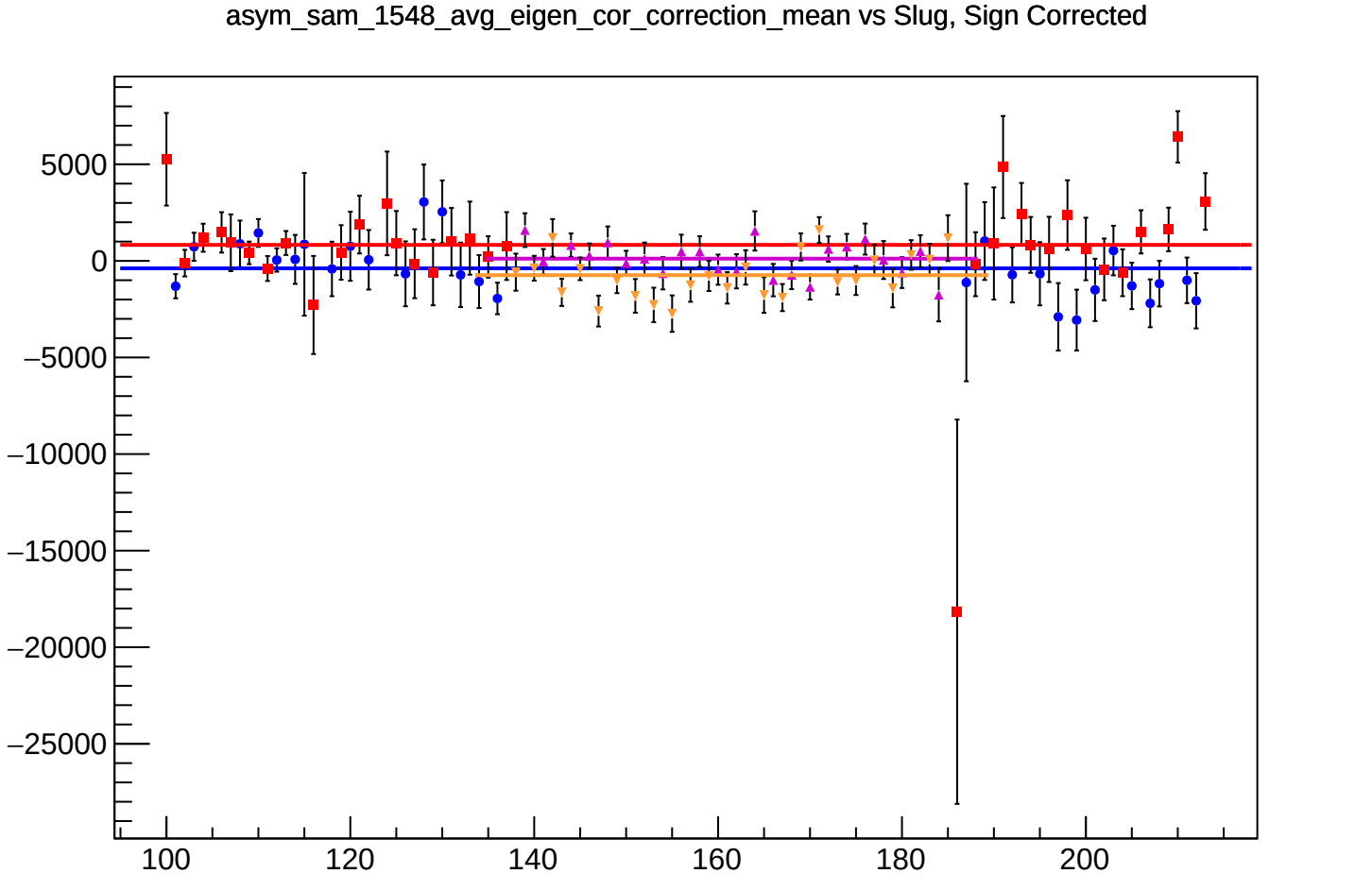
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 94.946+/-0.012 χ^2/NDF: 5763369.6/62

In: 97.882+/-0.012 χ^2/NDF:2926378.6/51

Out: 97.237+/-0.011 χ^2/NDF:4290630.1/58

All: 97.548+/-0.008 χ^2/NDF: 7218535.8/110



Right In: -385.054+/-216.779 χ^2/NDF: 35.2/28

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

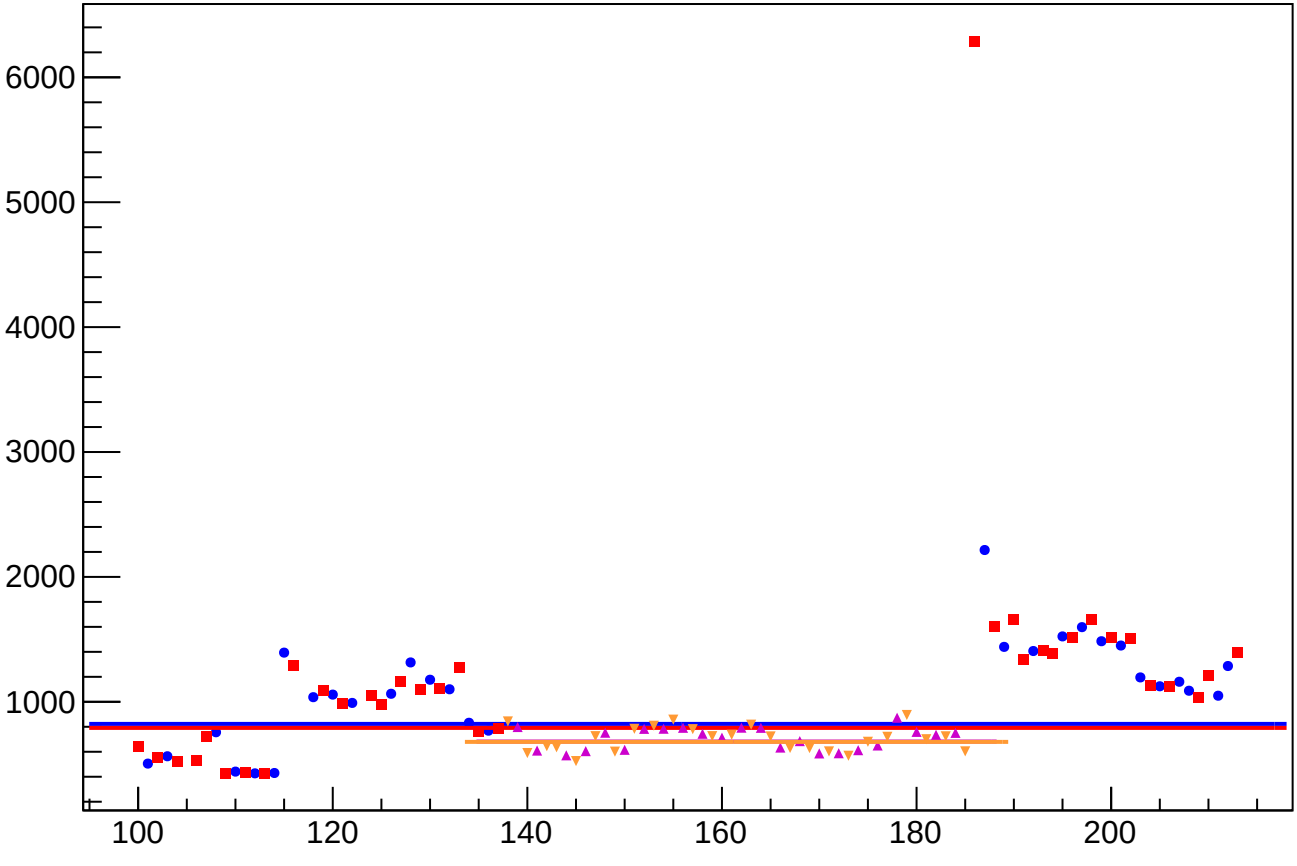
Right: 255.492+/-148.955 χ^2/NDF: 96.8/62

In: -62.344+/-129.247 χ^2/NDF:62.3/51

Out: -162.400+/-124.304 χ^2/NDF:131.7/58

All: -114.322+/-89.593 χ^2/NDF: 194.4/110

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 823.117+/-0.153 χ^2/NDF: 5787710.7/28

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

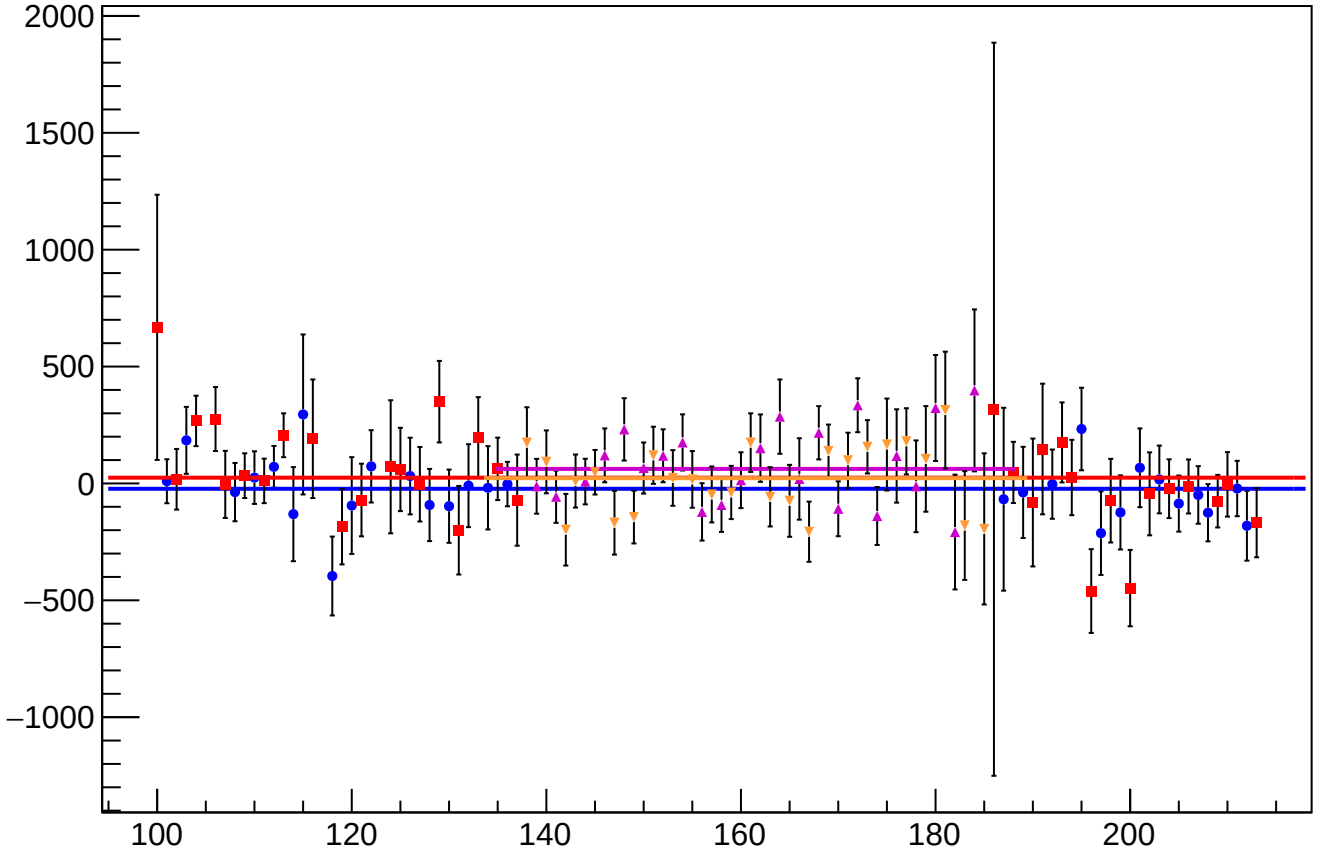
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 806.195+/-0.105 χ^2/NDF: 13742612.5/62

In: 732.095+/-0.091 χ^2/NDF:6908612.0/51

Out: 720.285+/-0.088 χ^2/NDF:9046088.6/58

All: 725.960+/-0.063 χ^2/NDF: 15963374.8/1



Right In: -22.868+/-26.353 χ^2/NDF: 16.8/28

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

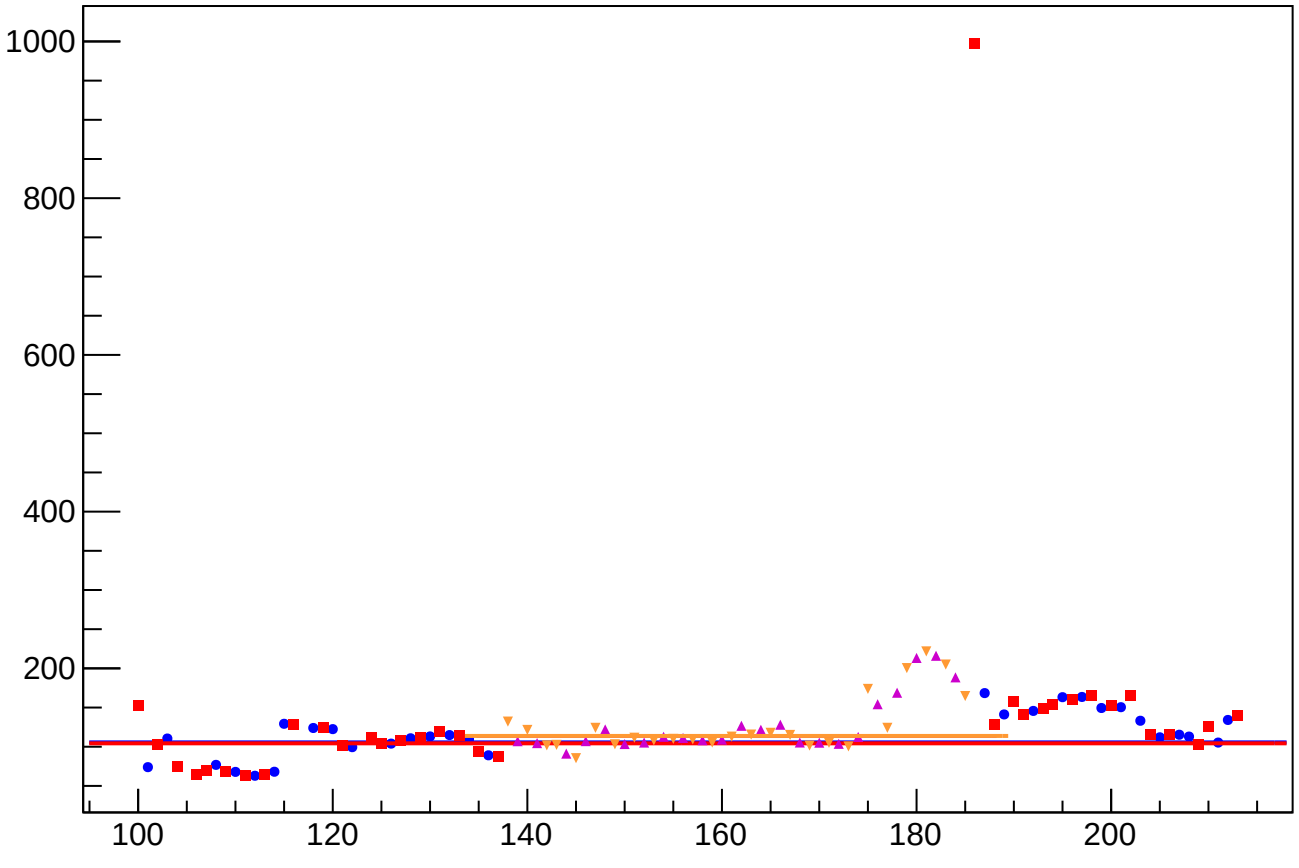
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: 1.716+/-18.307 χ^2/NDF: 61.0/62

In: 18.090+/-18.973 χ^2/NDF:49.2/51

Out: 23.641+/-18.403 χ^2/NDF:64.1/58

All: 20.950+/-13.210 χ^2/NDF: 113.3/110



Right In: 105.541+/-0.019 χ^2/NDF: 2360911.1/28

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

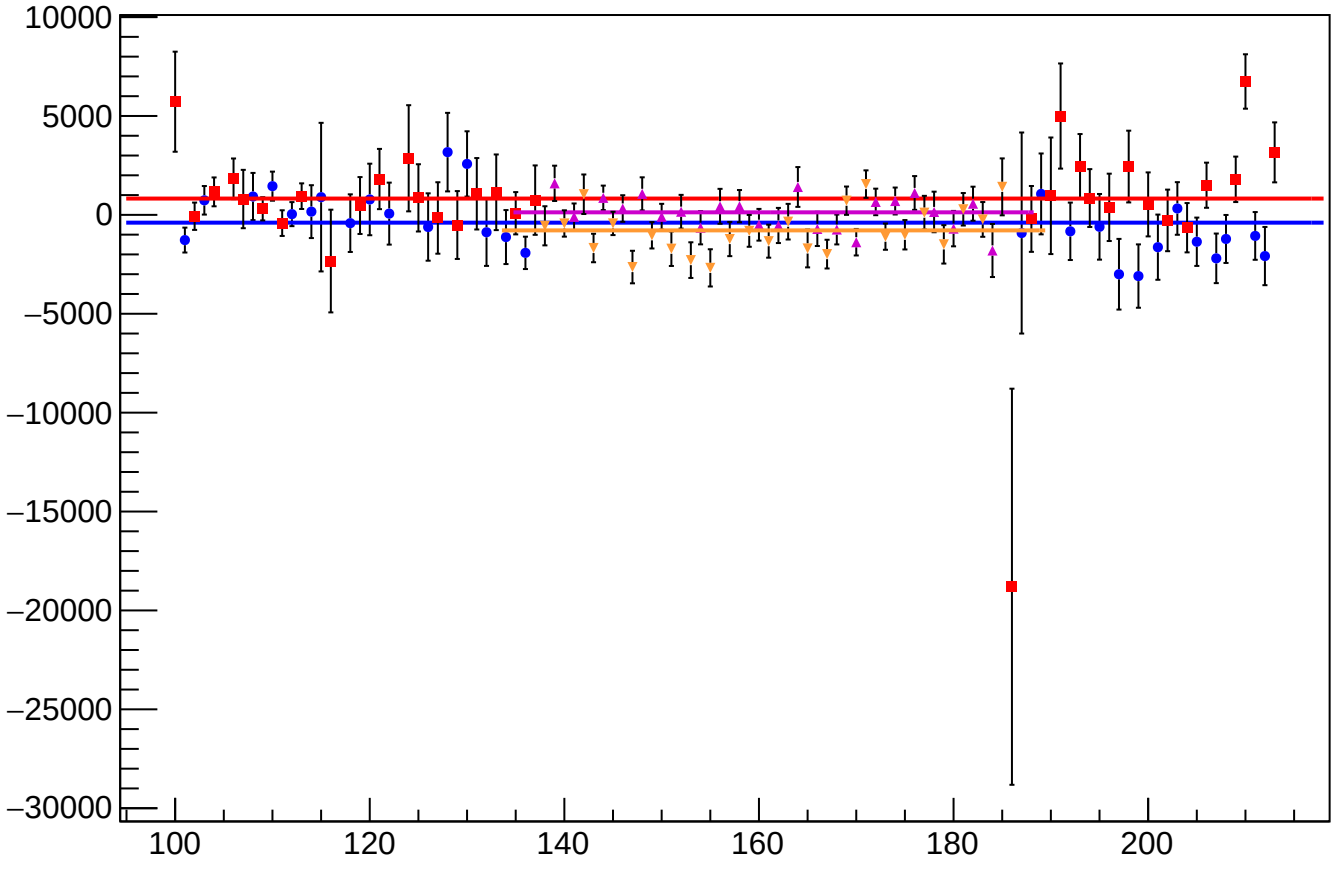
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 104.916+/-0.013 χ^2/NDF: 6124677.5/62

In: 109.459+/-0.013 χ^2/NDF:3768772.2/51

Out: 108.834+/-0.013 χ^2/NDF:5472573.8/58

All: 109.137+/-0.009 χ^2/NDF: 9242464.7/110



Right In: -393.966+/-219.546 χ^2/NDF: 34.8/28

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

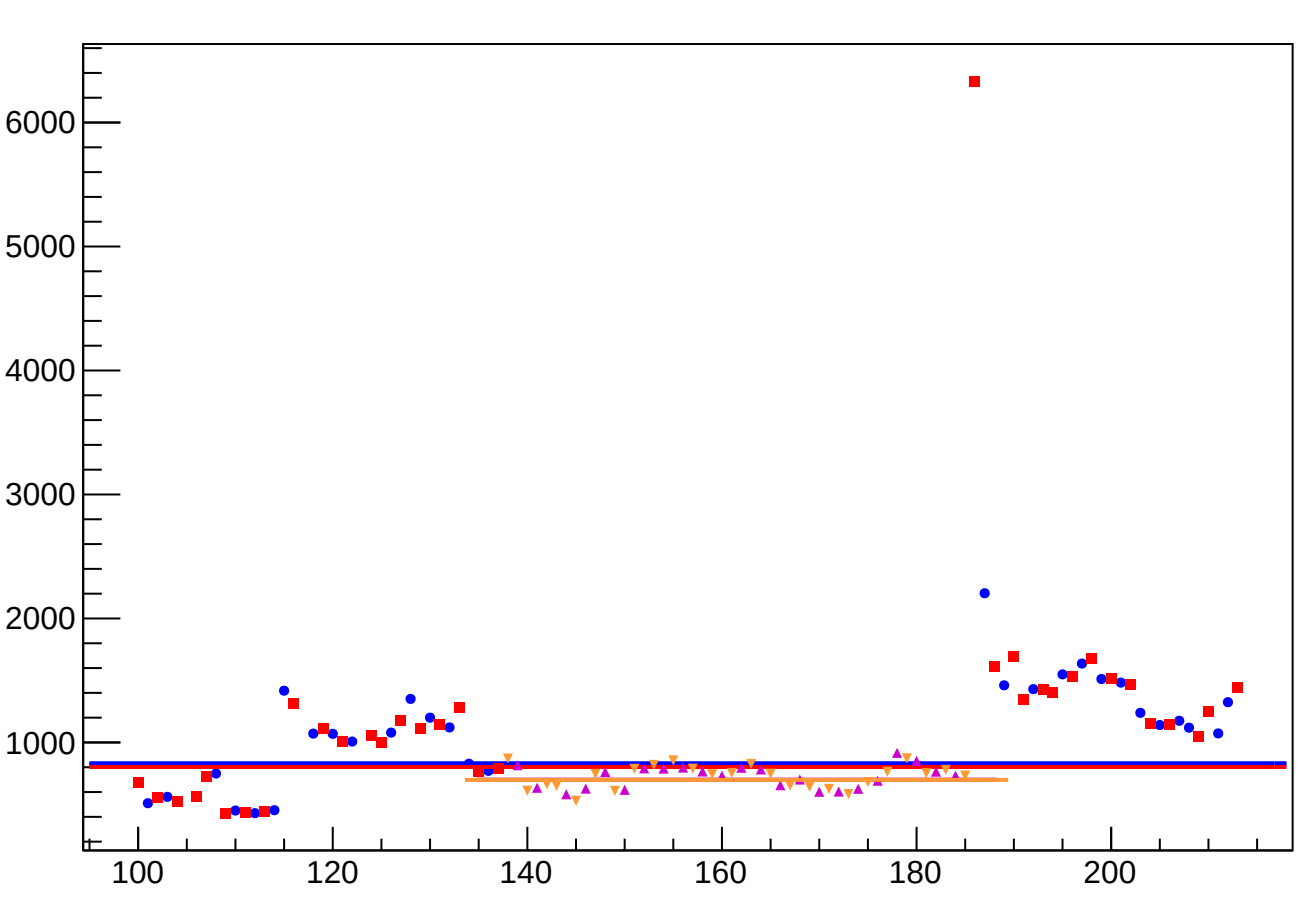
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 249.541+/-150.793 χ^2/NDF: 98.5/62

In: -60.678+/-132.032 χ^2/NDF:61.1/51

Out: -182.156+/-126.939 χ^2/NDF:130.5/58

All: -123.806+/-91.507 χ^2/NDF: 192.1/110



Right In: 832.315+/-0.155 χ^2/NDF: 5901899.0/28

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

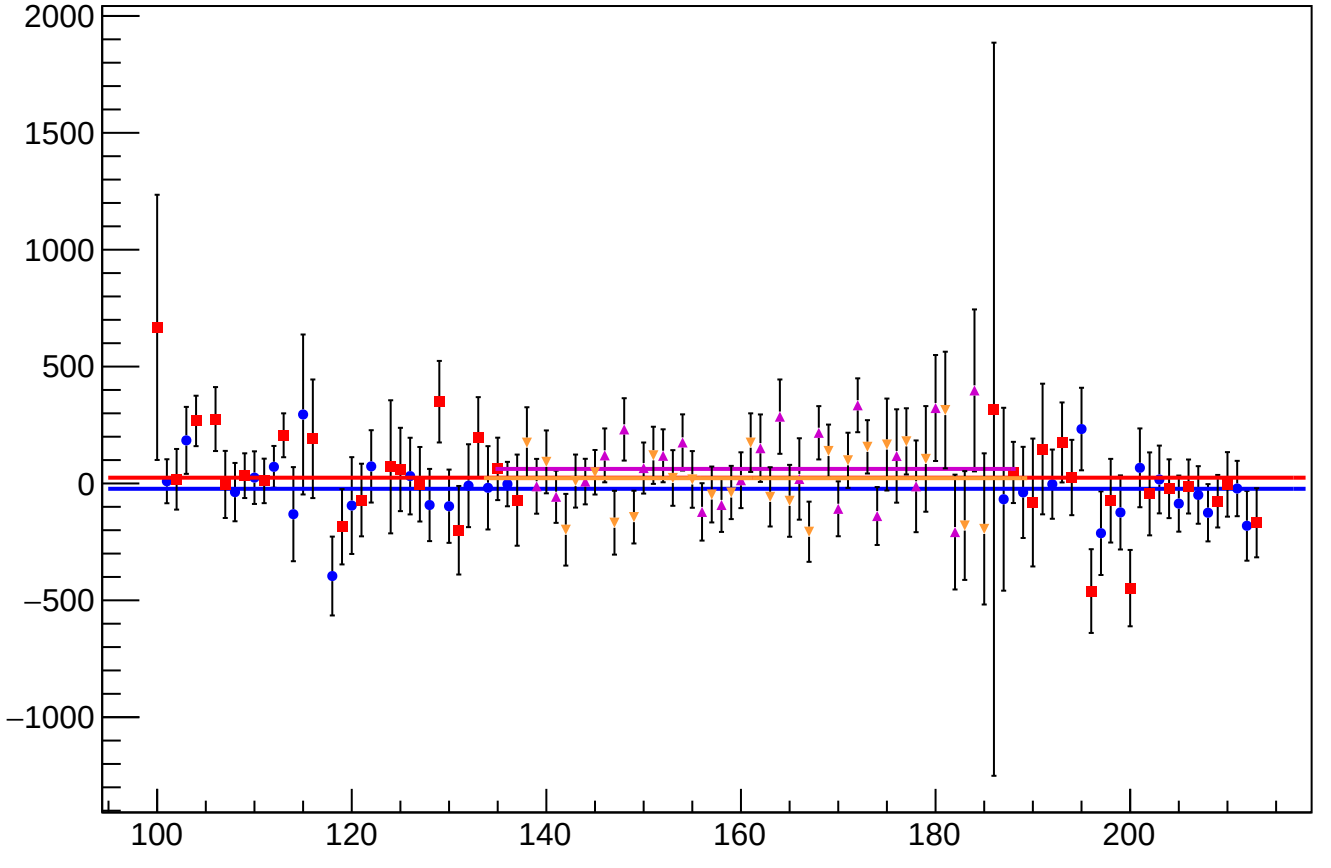
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 816.441+/-0.107 χ^2/NDF: 13833299.2/62

In: 747.904+/-0.093 χ^2/NDF:6949371.9/51

Out: 737.179+/-0.090 χ^2/NDF:8940884.4/58

All: 742.331+/-0.065 χ^2/NDF: 15897114.5/1



Right In: -22.867+/-26.353 χ^2/NDF: 16.8/28

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

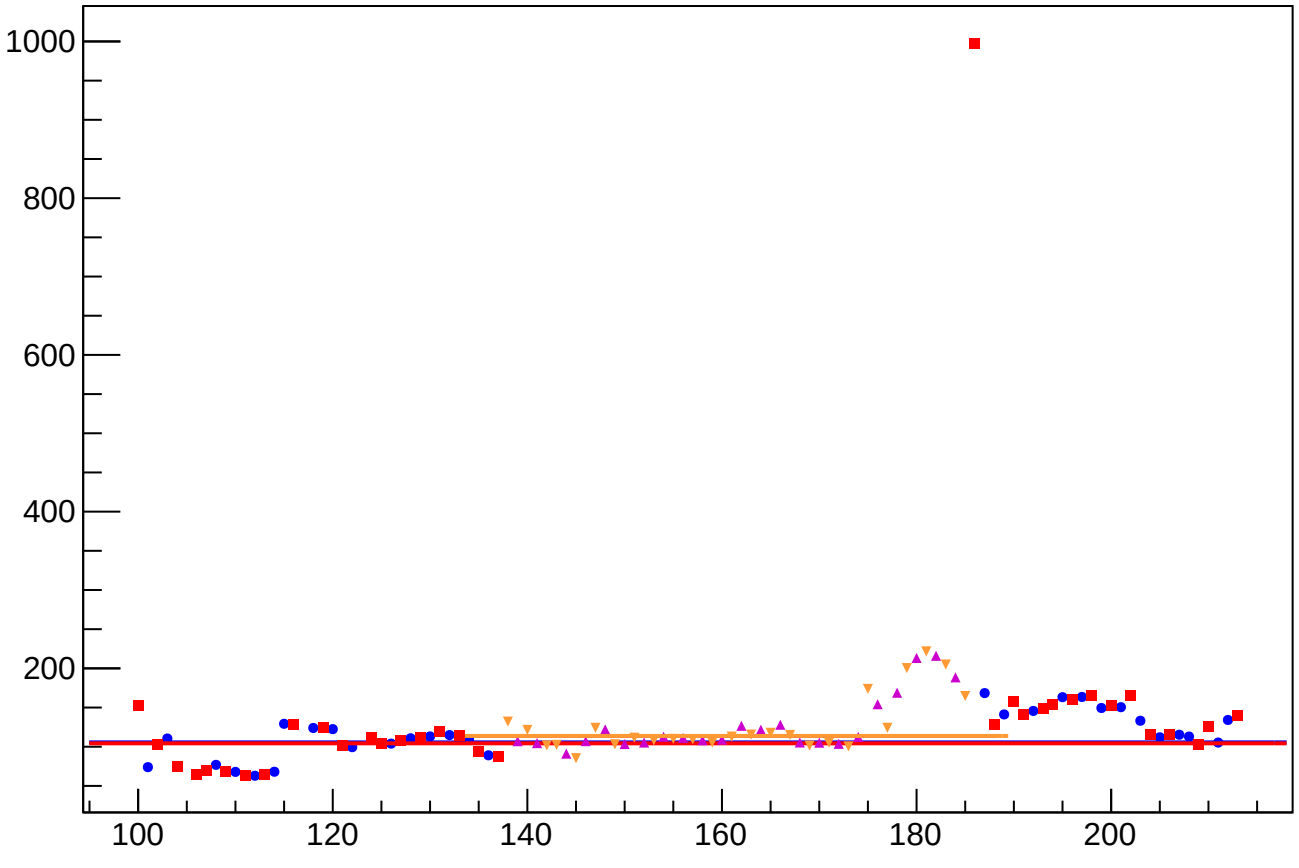
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 1.716+/-18.307 χ^2/NDF: 61.0/62

In: 18.091+/-18.973 χ^2/NDF:49.2/51

Out: 23.642+/-18.403 χ^2/NDF:64.1/58

All: 20.951+/-13.210 χ^2/NDF: 113.3/110



Right In: 105.541+/-0.019 χ^2/NDF: 2360895.4/28

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

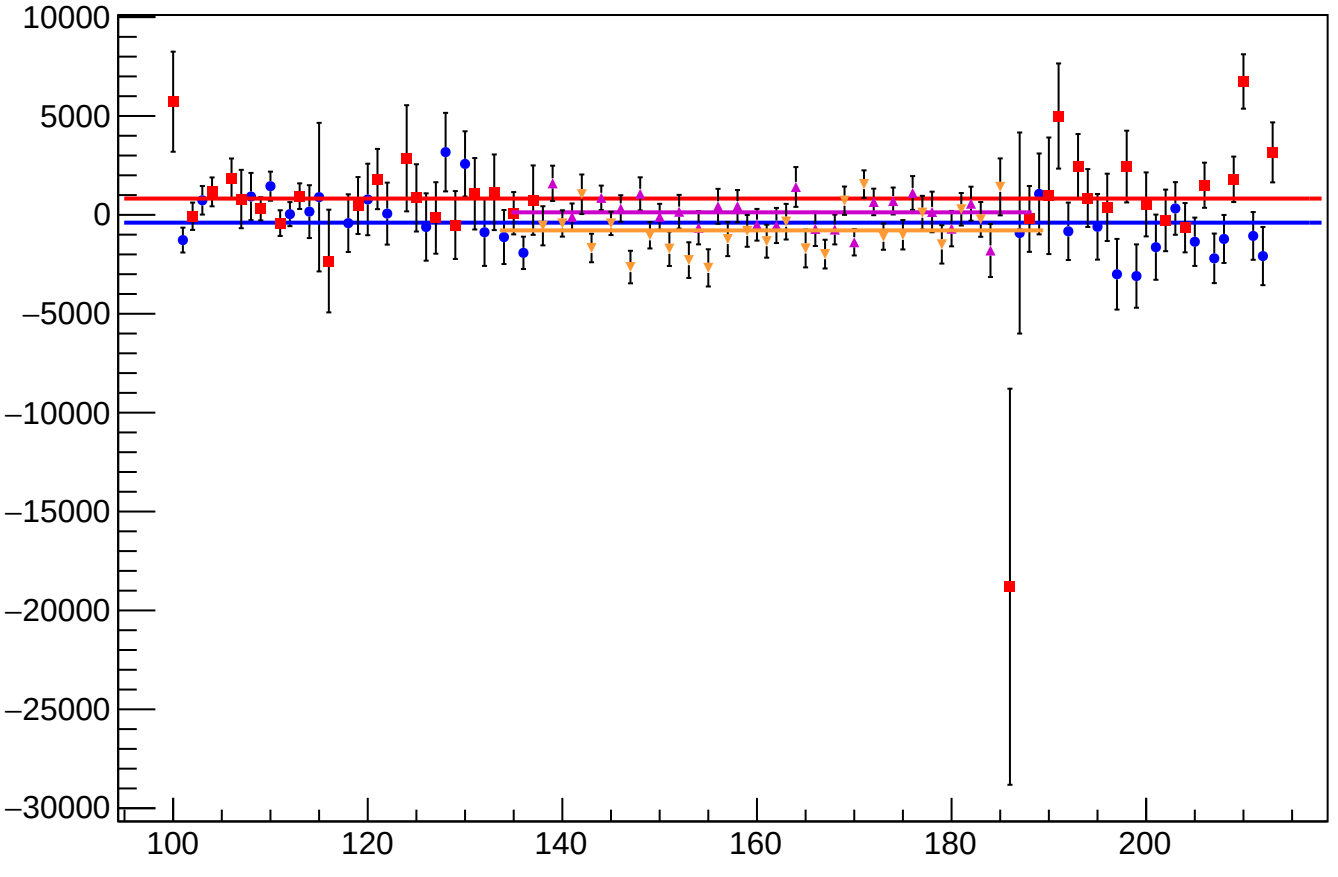
Right: 104.916+/-0.013 χ^2/NDF: 6124660.9/62

In: 109.459+/-0.013 χ^2/NDF:3768740.3/51

Out: 108.834+/-0.013 χ^2/NDF:5472568.6/58

All: 109.137+/-0.009 χ^2/NDF: 9242427.6/110

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -393.965+/-219.546 χ^2/NDF: 34.8/28

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

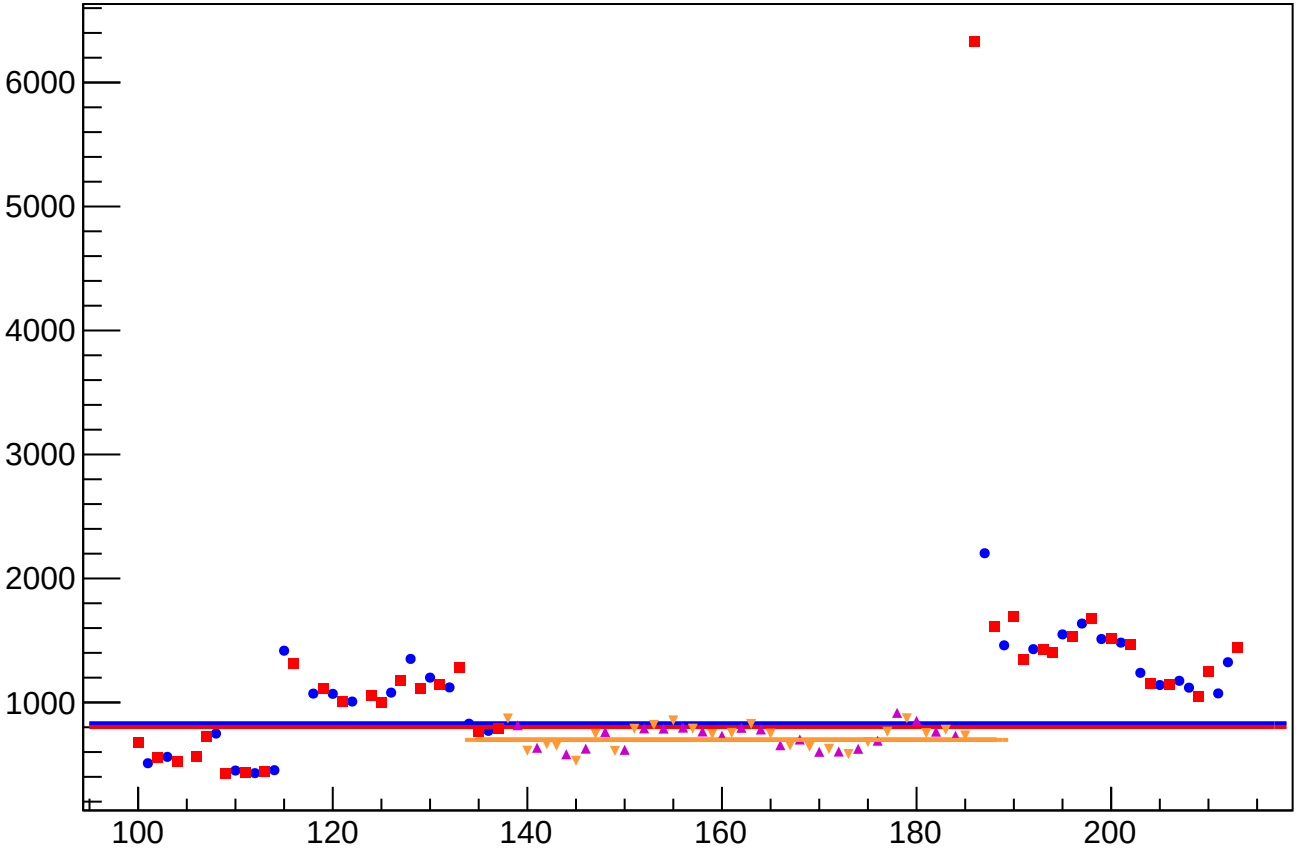
Right: 249.540+/-150.793 χ^2/NDF: 98.5/62

In: -60.679+/-132.032 χ^2/NDF:61.1/51

Out: -182.156+/-126.939 χ^2/NDF:130.5/58

All: -123.805+/-91.507 χ^2/NDF: 192.1/110

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 832.314+/-0.155 χ^2/NDF: 5901901.3/28

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

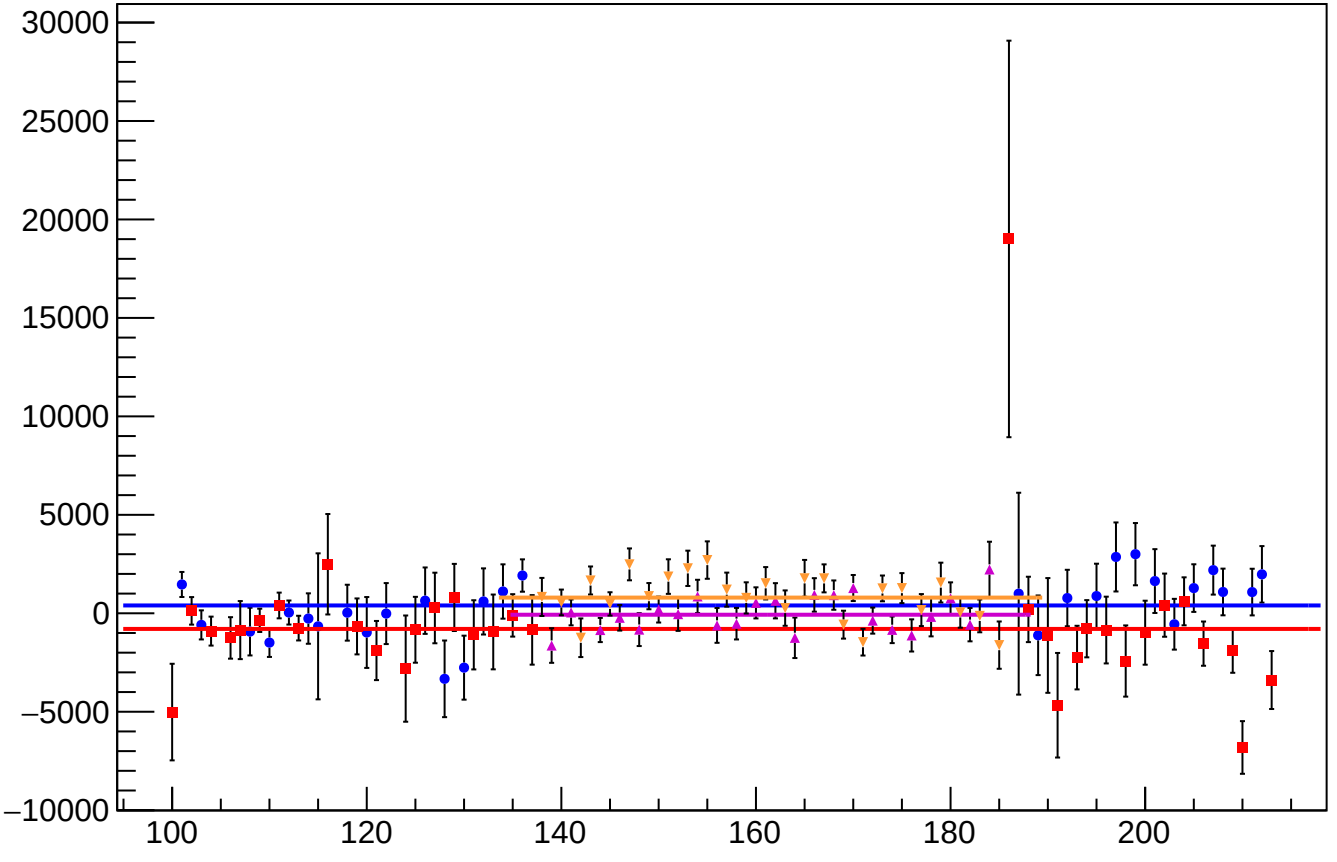
Right: 816.440+/-0.107 χ^2/NDF: 13833297.4/62

In: 747.904+/-0.093 χ^2/NDF:6949368.4/51

Out: 737.178+/-0.090 χ^2/NDF:8940878.8/58

All: 742.330+/-0.065 χ^2/NDF: 15897105.6/1

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 397.923+/-218.715 χ^2/NDF: 36.1/28

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

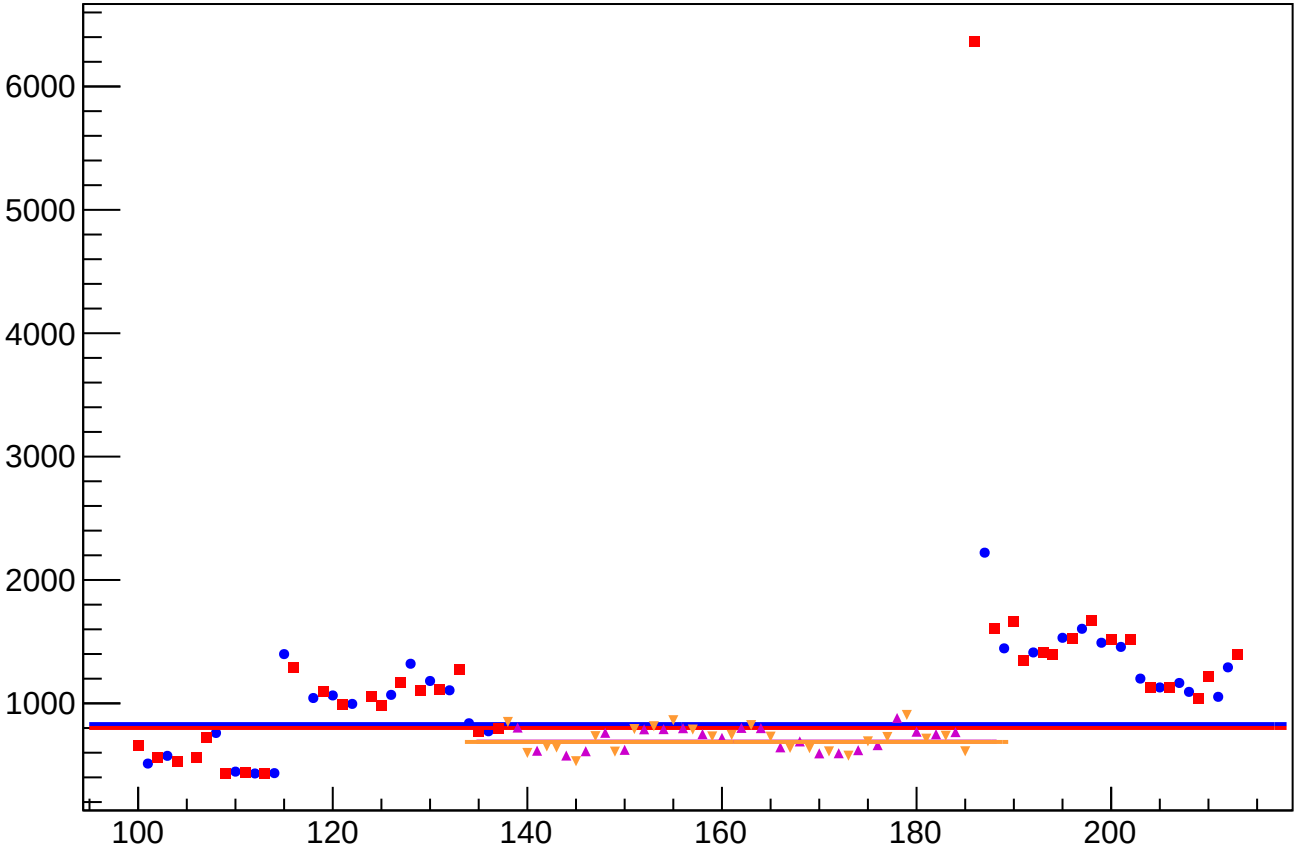
Right: -231.398+/-150.271 χ^2/NDF: 99.7/62

In: 94.677+/-130.634 χ^2/NDF:64.0/51

Out: 209.881+/-125.624 χ^2/NDF:131.6/58

All: 154.531+/-90.549 χ^2/NDF: 196.0/110

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 831.760+/-0.155 χ^2/NDF: 5692810.0/28

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

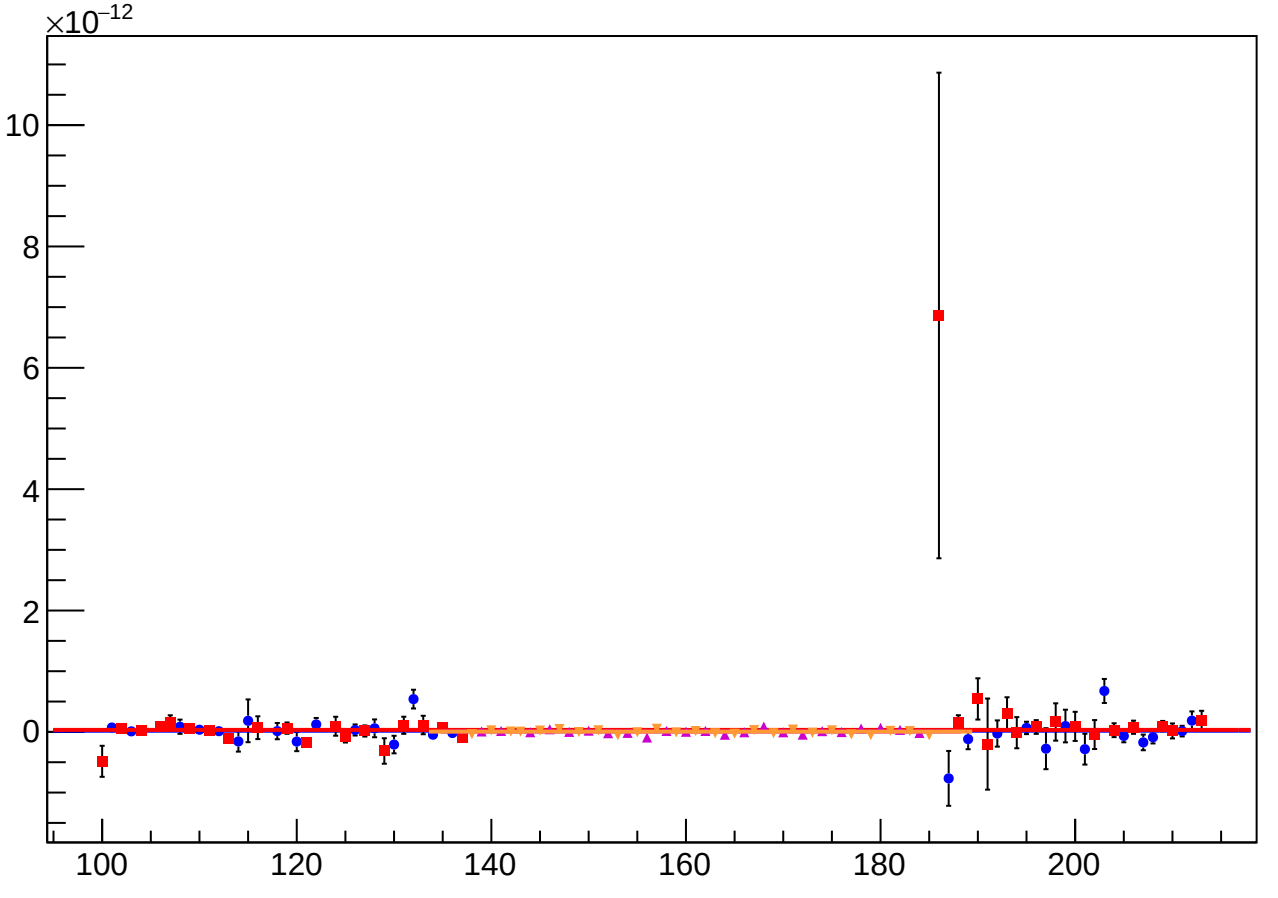
Right: 815.273+/-0.106 χ^2/NDF: 13519424.2/62

In: 740.570+/-0.092 χ^2/NDF:6800383.3/51

Out: 729.042+/-0.089 χ^2/NDF:8911773.4/58

All: 734.581+/-0.064 χ^2/NDF: 15720248.7/1

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 46.1/28

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

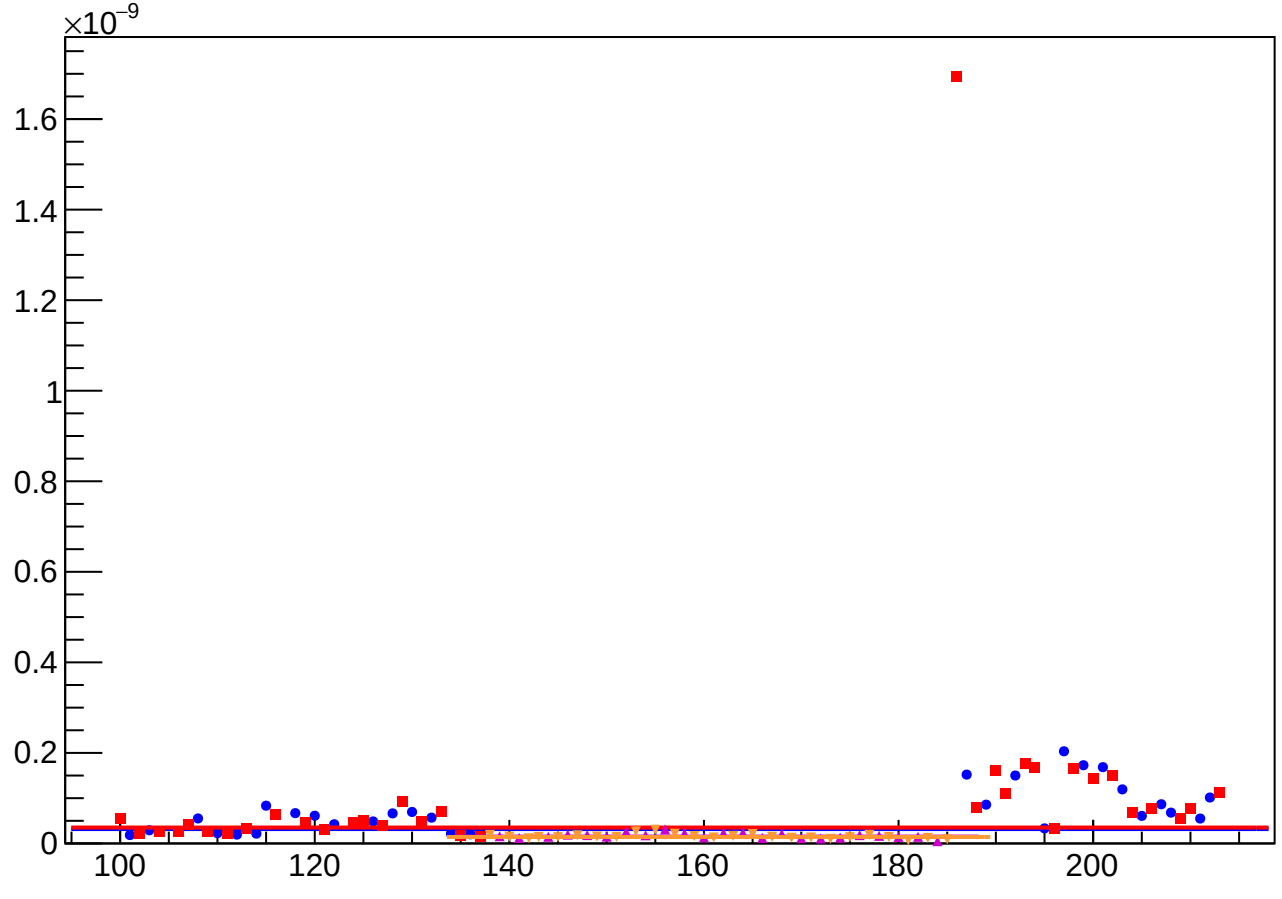
Right: 0.000+/-0.000 χ^2/NDF: 82.3/62

In: 0.000+/-0.000 χ^2/NDF:73.3/51

Out: 0.000+/-0.000 χ^2/NDF:60.8/58

All: 0.000+/-0.000 χ^2/NDF: 134.1/110

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6003675.6/28

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

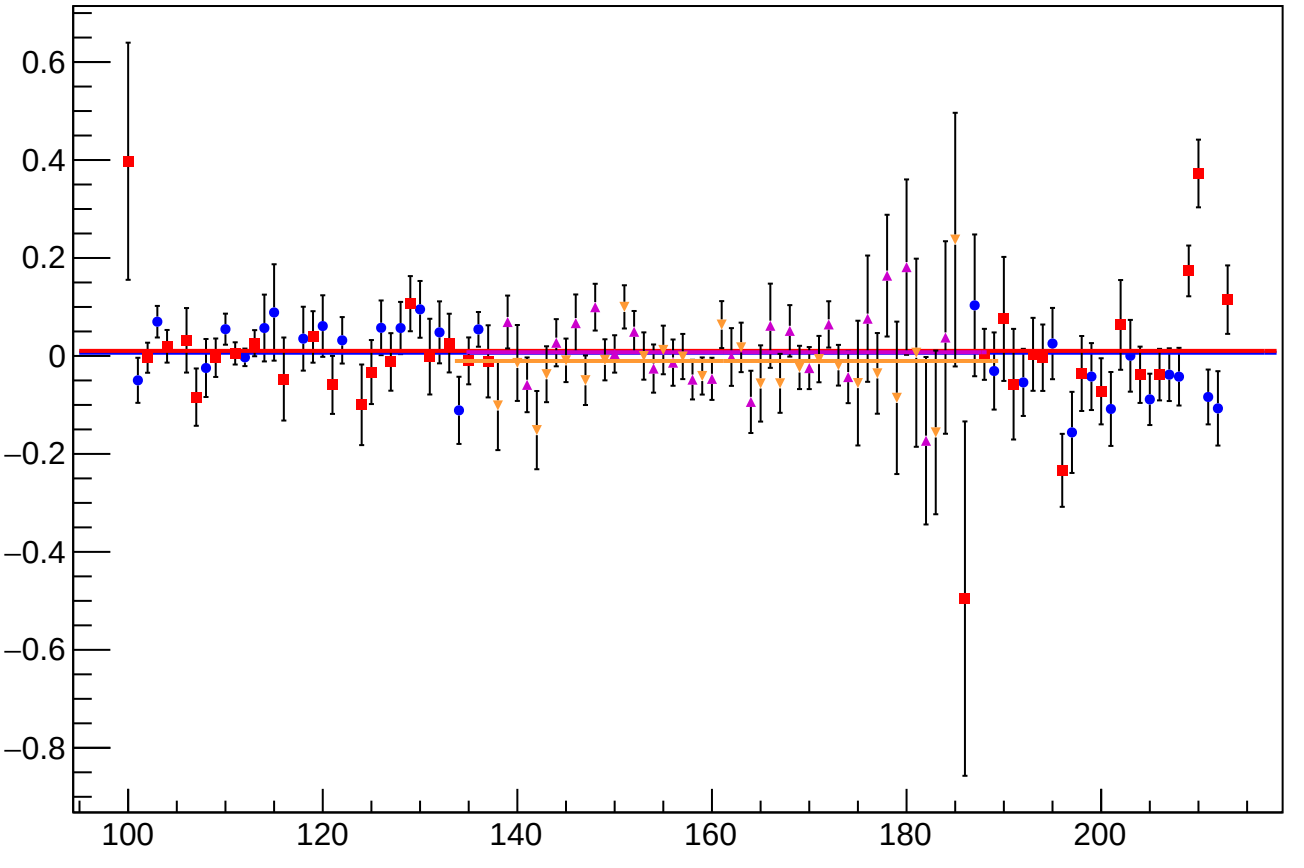
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 11980883.3/62

In: 0.000+/-0.000 χ^2/NDF:9431196.4/51

Out: 0.000+/-0.000 χ^2/NDF:10276968.2/58

All: 0.000+/-0.000 χ^2/NDF: 19737049.5/110



Right In: 0.007+/-0.009 χ^2/NDF: 37.7/28

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

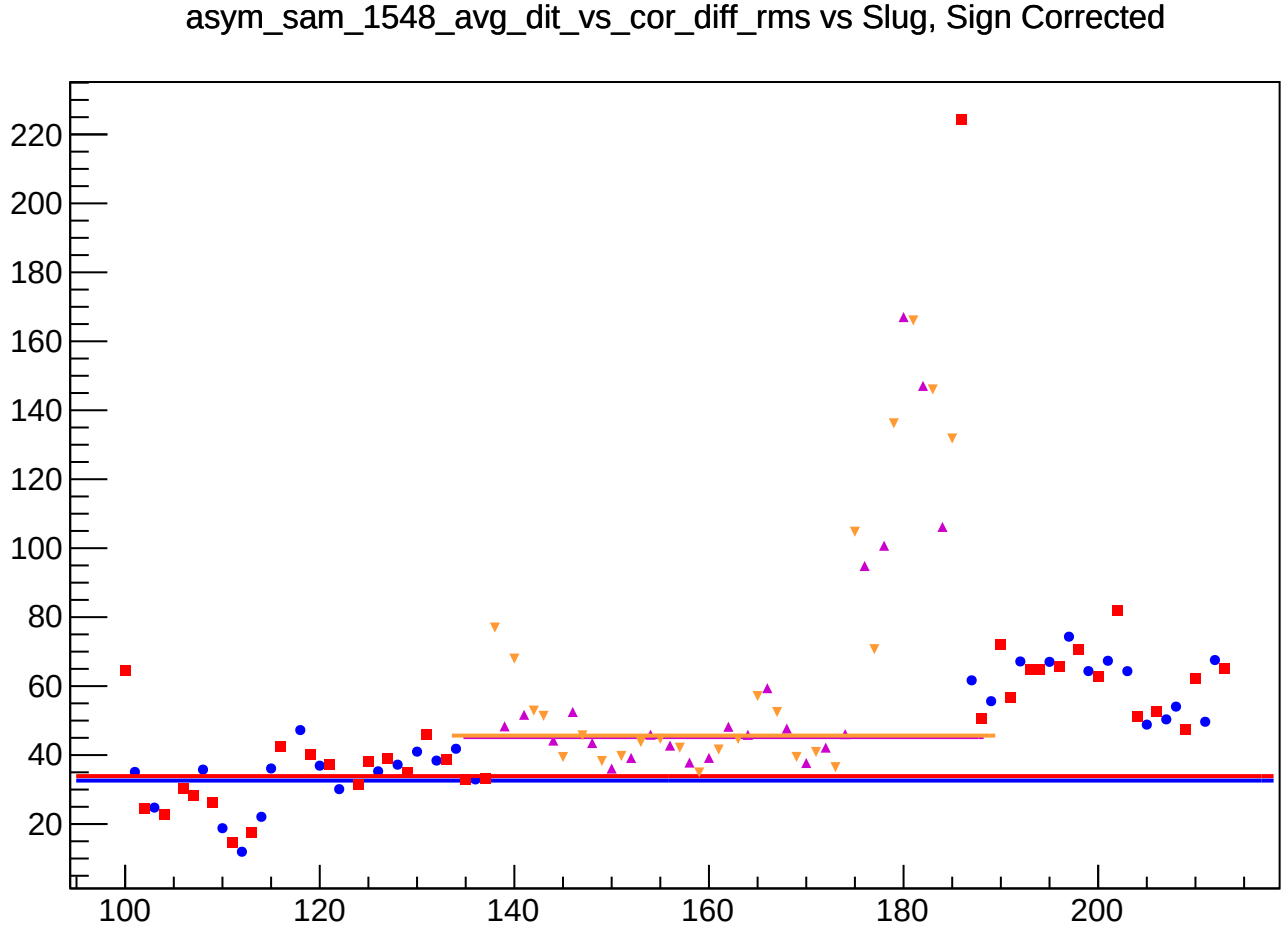
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.008+/-0.006 χ^2/NDF: 108.4/62

In: 0.007+/-0.007 χ^2/NDF:61.0/51

Out: 0.002+/-0.007 χ^2/NDF:90.8/58

All: 0.005+/-0.005 χ^2/NDF: 151.9/110



Right In: 32.606+/-0.006 χ^2/NDF: 7688158.2/28

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

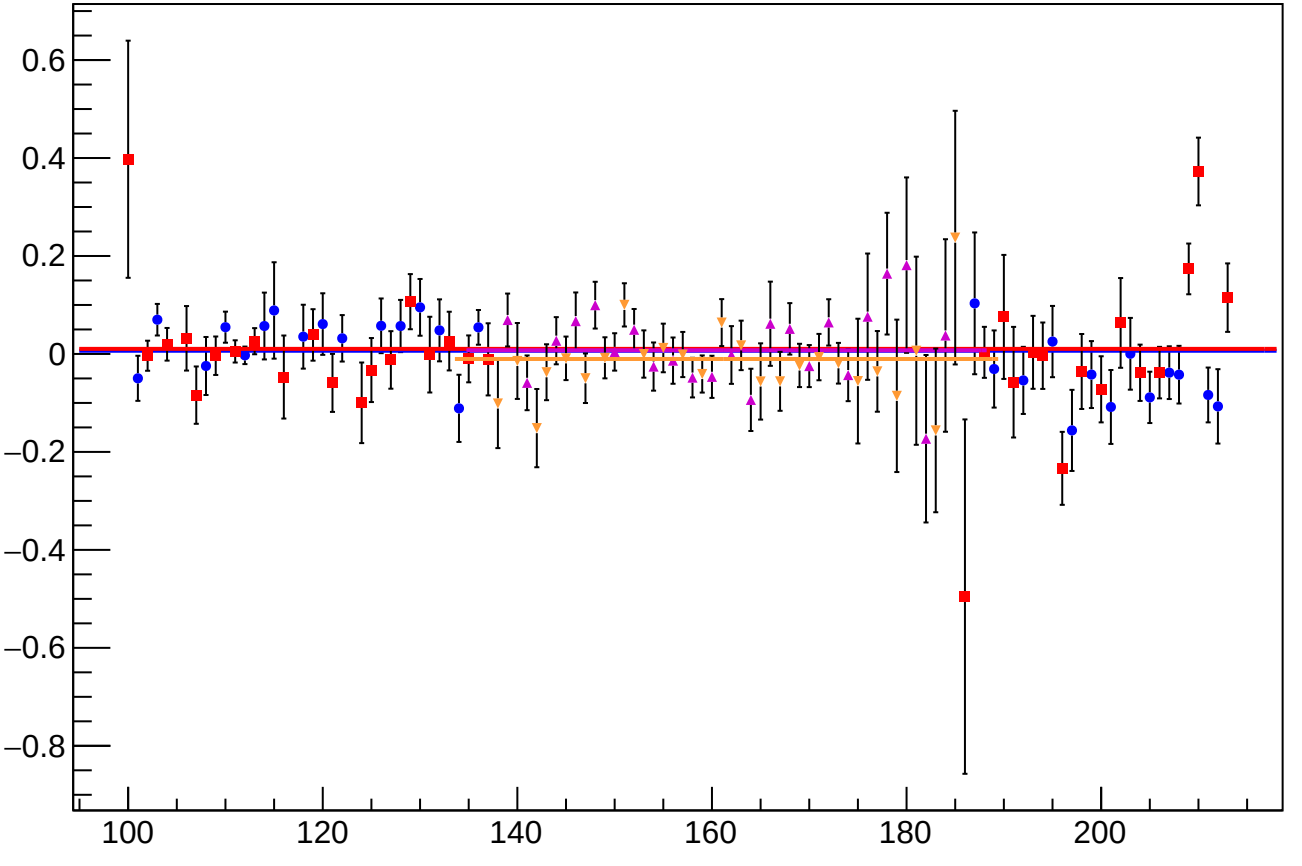
Right: 33.259+/-0.005 χ^2/NDF: 15435715.7/62

In: 37.489+/-0.005 χ^2/NDF:12176466.8/51

Out: 38.462+/-0.005 χ^2/NDF:13071154.3/58

All: 37.980+/-0.004 χ^2/NDF: 25266596.9/110

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.009 χ^2/NDF: 37.7/28

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

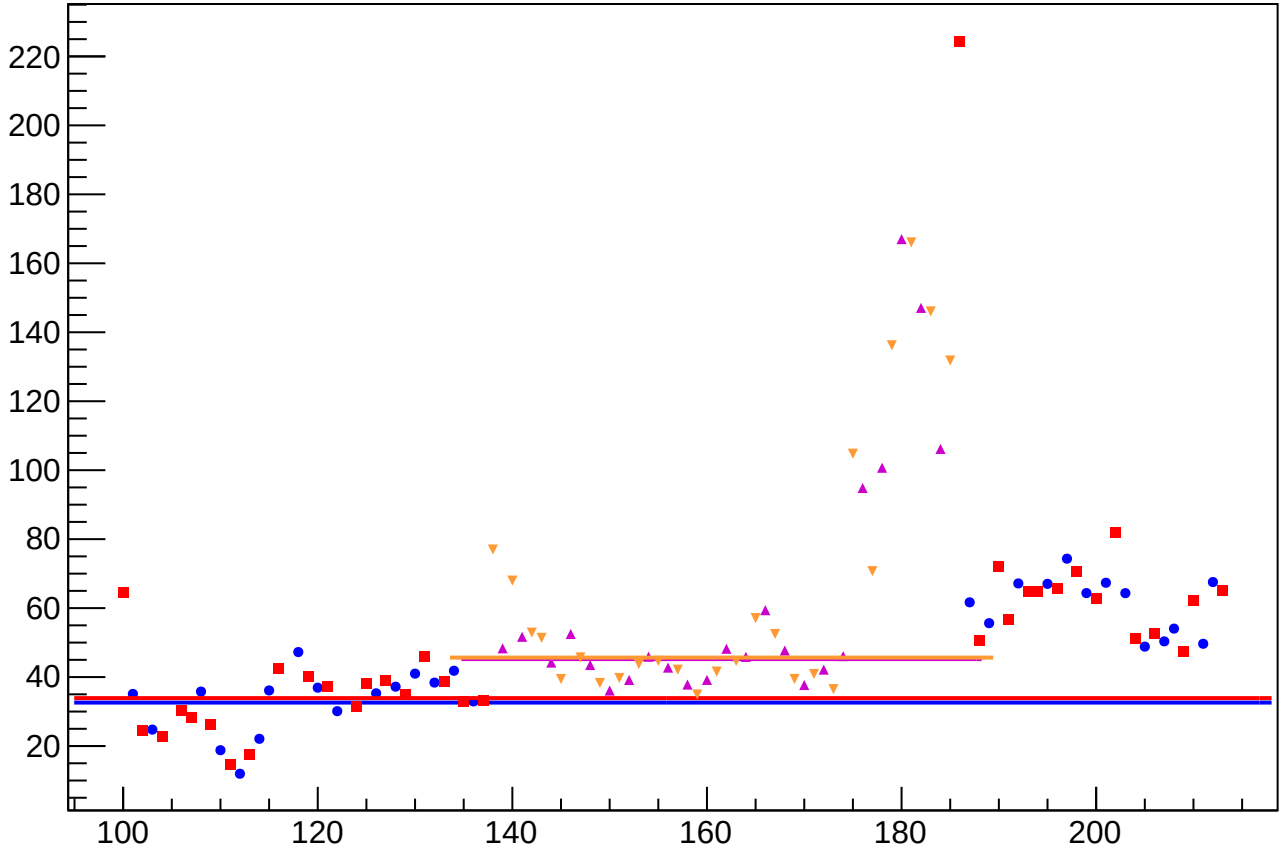
Right: 0.008+/-0.006 χ^2/NDF: 108.4/62

In: 0.007+/-0.007 χ^2/NDF:61.0/51

Out: 0.002+/-0.007 χ^2/NDF:90.8/58

All: 0.005+/-0.005 χ^2/NDF: 151.9/110

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.606+/-0.006 χ^2/NDF: 7688158.2/28

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

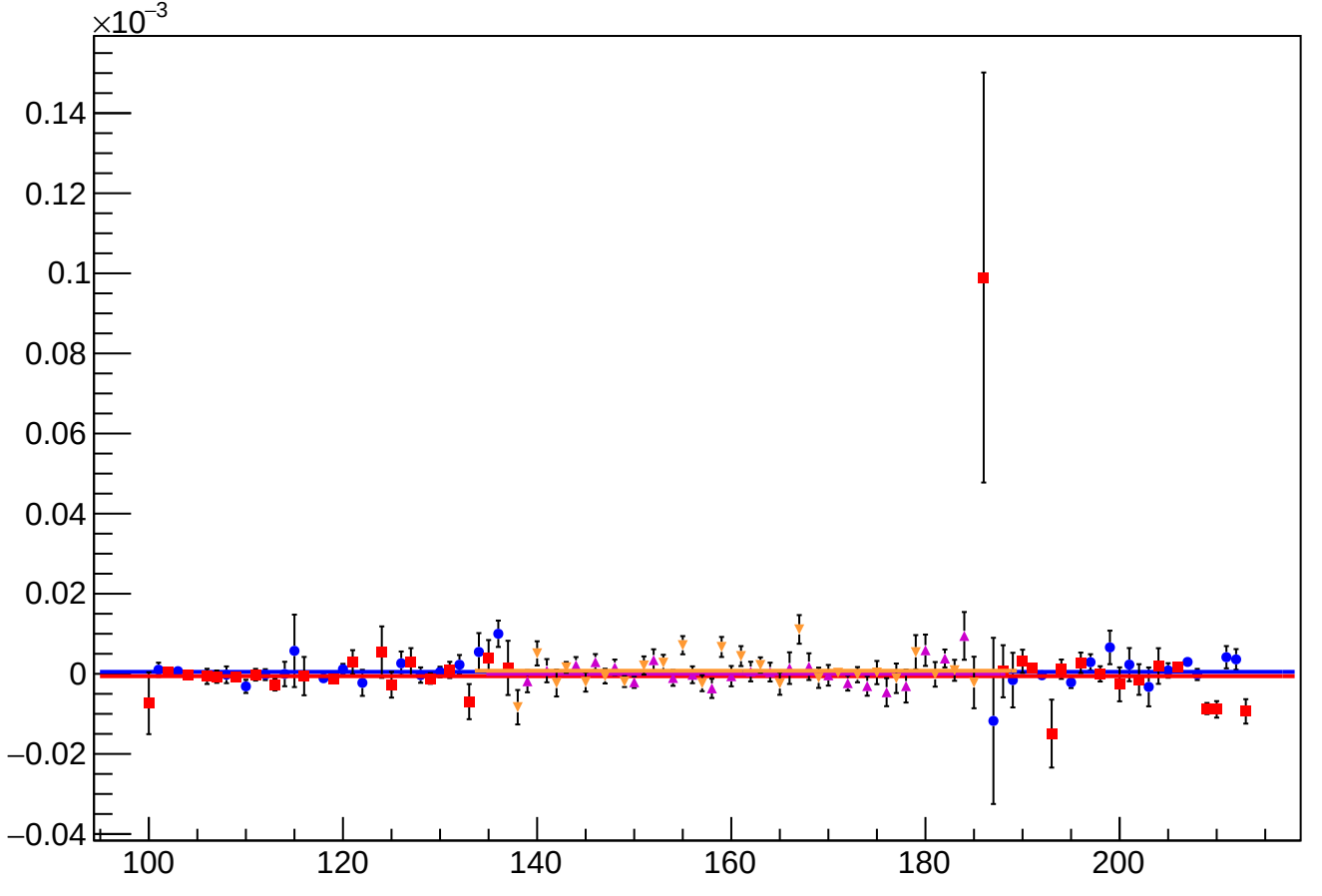
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 33.259+/-0.005 χ^2/NDF: 15435715.7/62

In: 37.489+/-0.005 χ^2/NDF:12176466.8/51

Out: 38.462+/-0.005 χ^2/NDF:13071154.3/58

All: 37.980+/-0.004 χ^2/NDF: 25266596.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/28

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

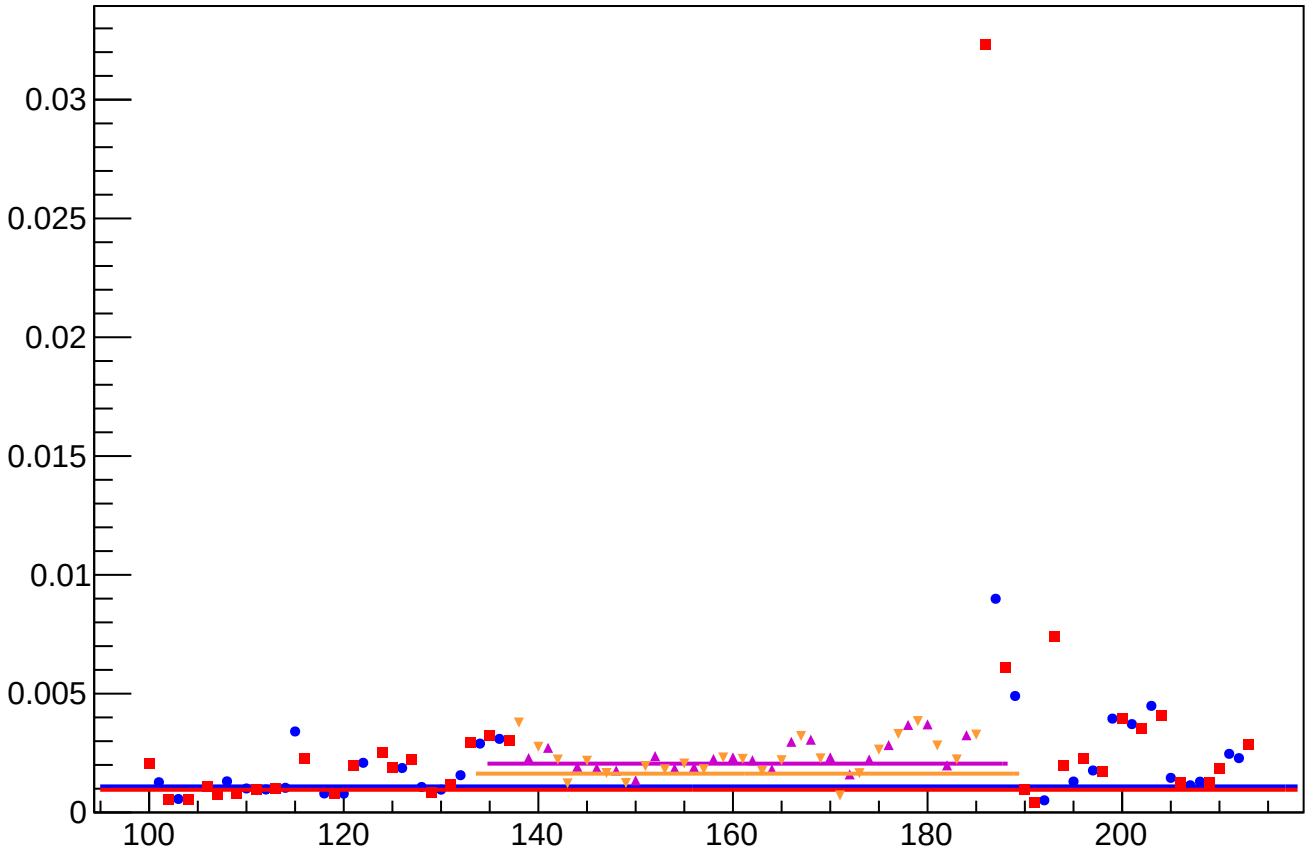
Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

Right: -0.000+/-0.000 χ^2/NDF: 133.7/62

In: 0.000+/-0.000 χ^2/NDF:61.1/51

Out: -0.000+/-0.000 χ^2/NDF:144.8/58

All: 0.000+/-0.000 χ^2/NDF: 207.9/110



Right In: 0.001+/-0.000 χ^2/NDF: 8456423.7/28

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

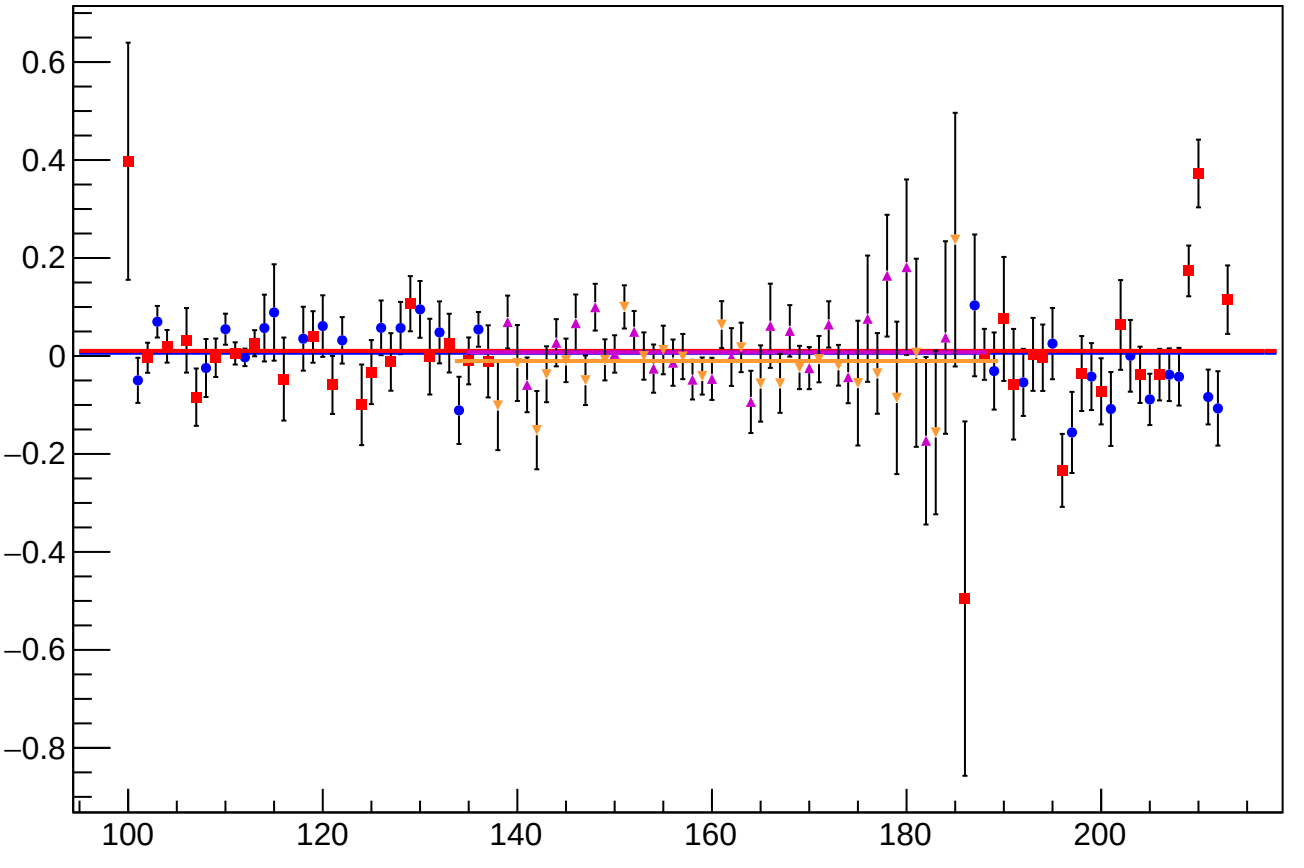
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 21908550.4/62

In: 0.001+/-0.000 χ^2/NDF:15751634.4/51

Out: 0.001+/-0.000 χ^2/NDF:23441074.4/58

All: 0.001+/-0.000 χ^2/NDF: 39838721.1/110



Right In: 0.007+/-0.009 χ^2/NDF: 37.7/28

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

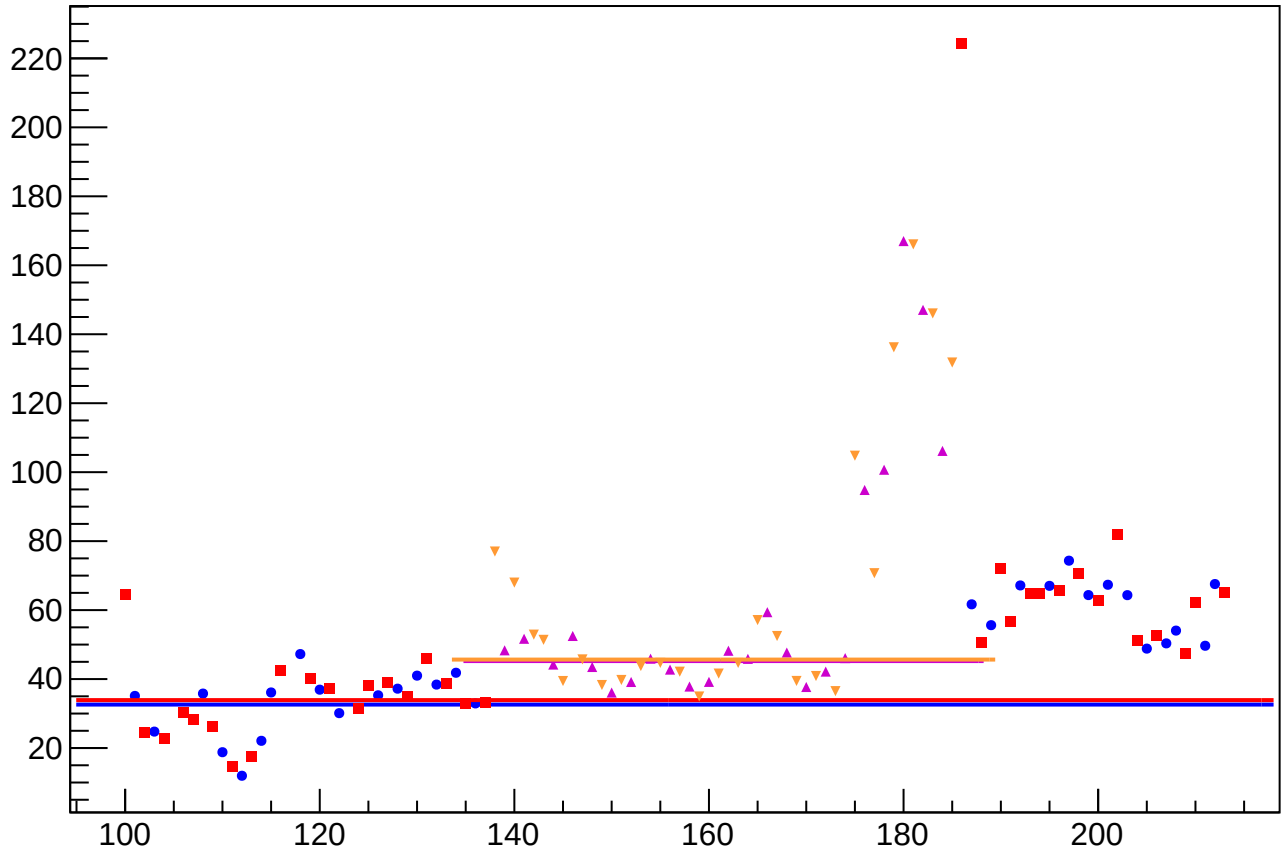
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.008+/-0.006 χ^2/NDF: 108.4/62

In: 0.007+/-0.007 χ^2/NDF:61.0/51

Out: 0.002+/-0.007 χ^2/NDF:90.8/58

All: 0.005+/-0.005 χ^2/NDF: 151.9/110



Right In: 32.605+/-0.006 χ^2/NDF: 7688455.9/28

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

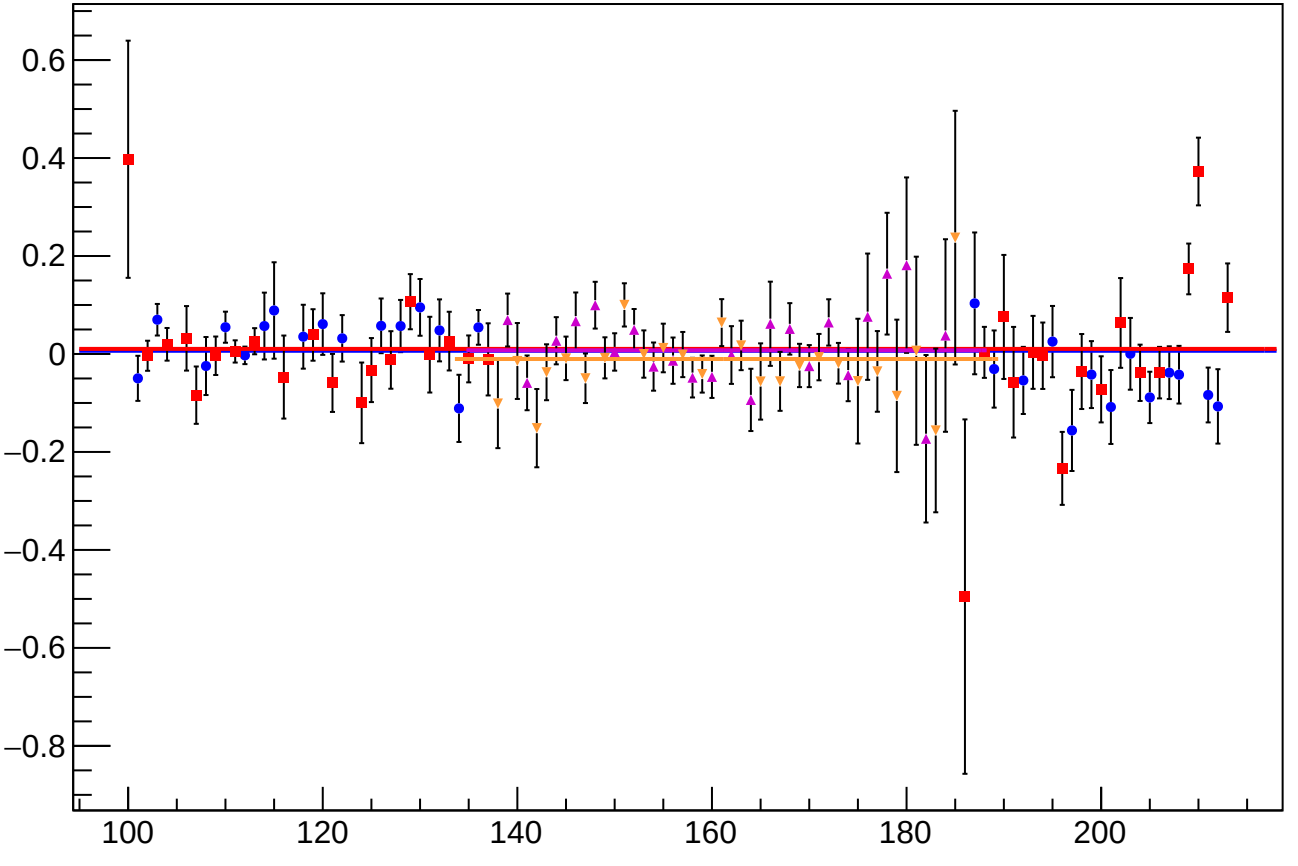
Right: 33.259+/-0.005 χ^2/NDF: 15436269.1/62

In: 37.488+/-0.005 χ^2/NDF:12176926.8/51

Out: 38.462+/-0.005 χ^2/NDF:13071514.4/58

All: 37.980+/-0.004 χ^2/NDF: 25267421.9/110

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.009 χ^2/NDF: 37.7/28

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

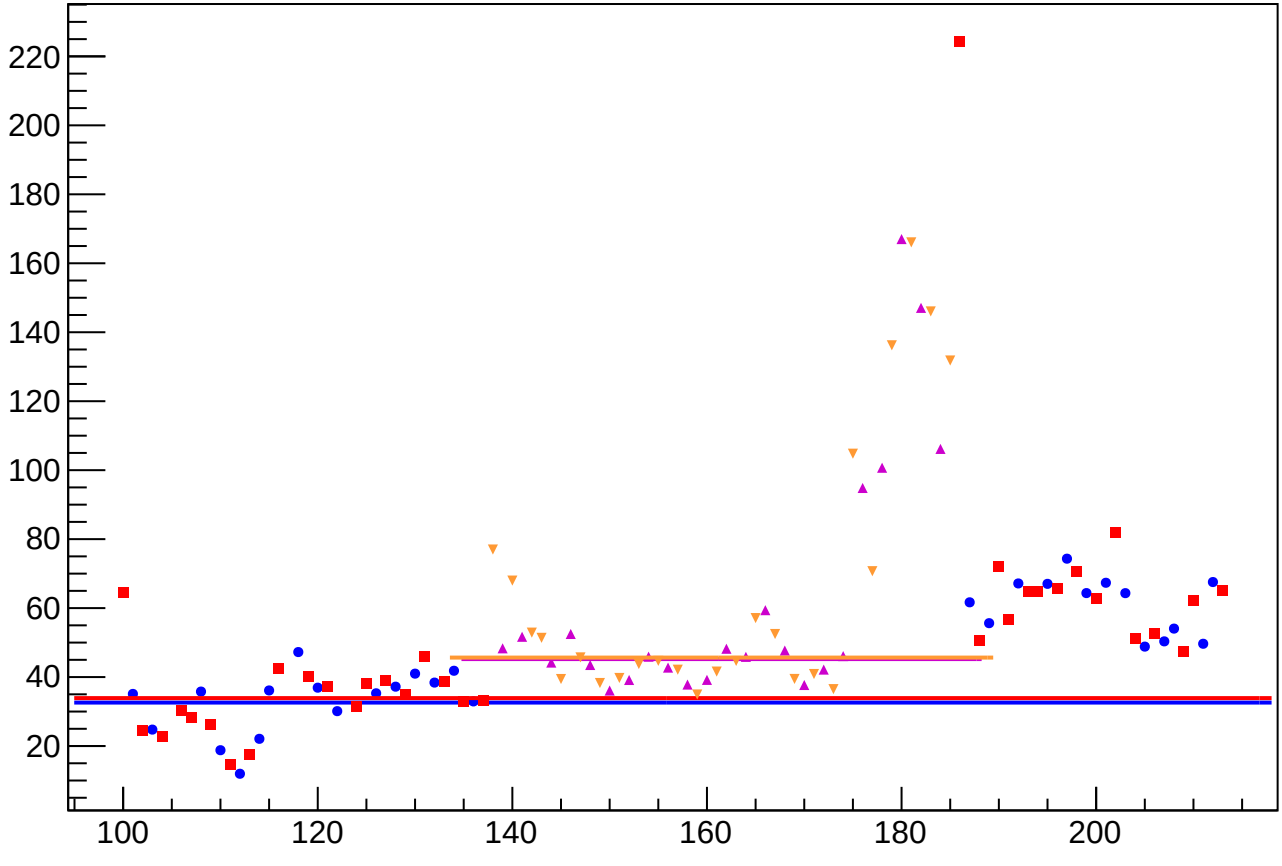
Right: 0.008+/-0.006 χ^2/NDF: 108.4/62

In: 0.007+/-0.007 χ^2/NDF:61.0/51

Out: 0.002+/-0.007 χ^2/NDF:90.8/58

All: 0.005+/-0.005 χ^2/NDF: 151.9/110

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.605+/-0.006 χ^2/NDF: 7688455.9/28

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

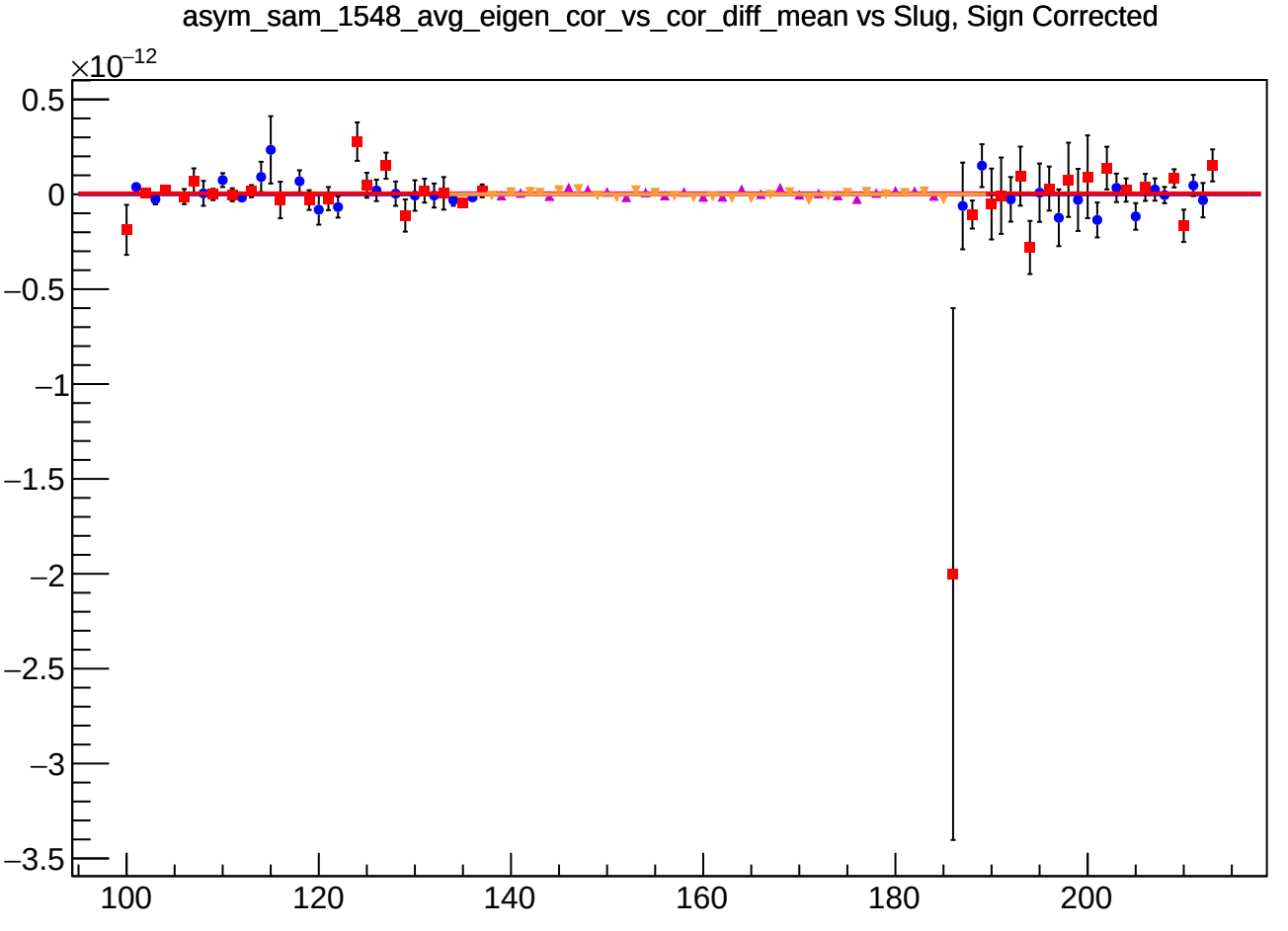
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 33.259+/-0.005 χ^2/NDF: 15436269.1/62

In: 37.488+/-0.005 χ^2/NDF:12176926.8/51

Out: 38.462+/-0.005 χ^2/NDF:13071514.4/58

All: 37.980+/-0.004 χ^2/NDF: 25267421.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/28

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

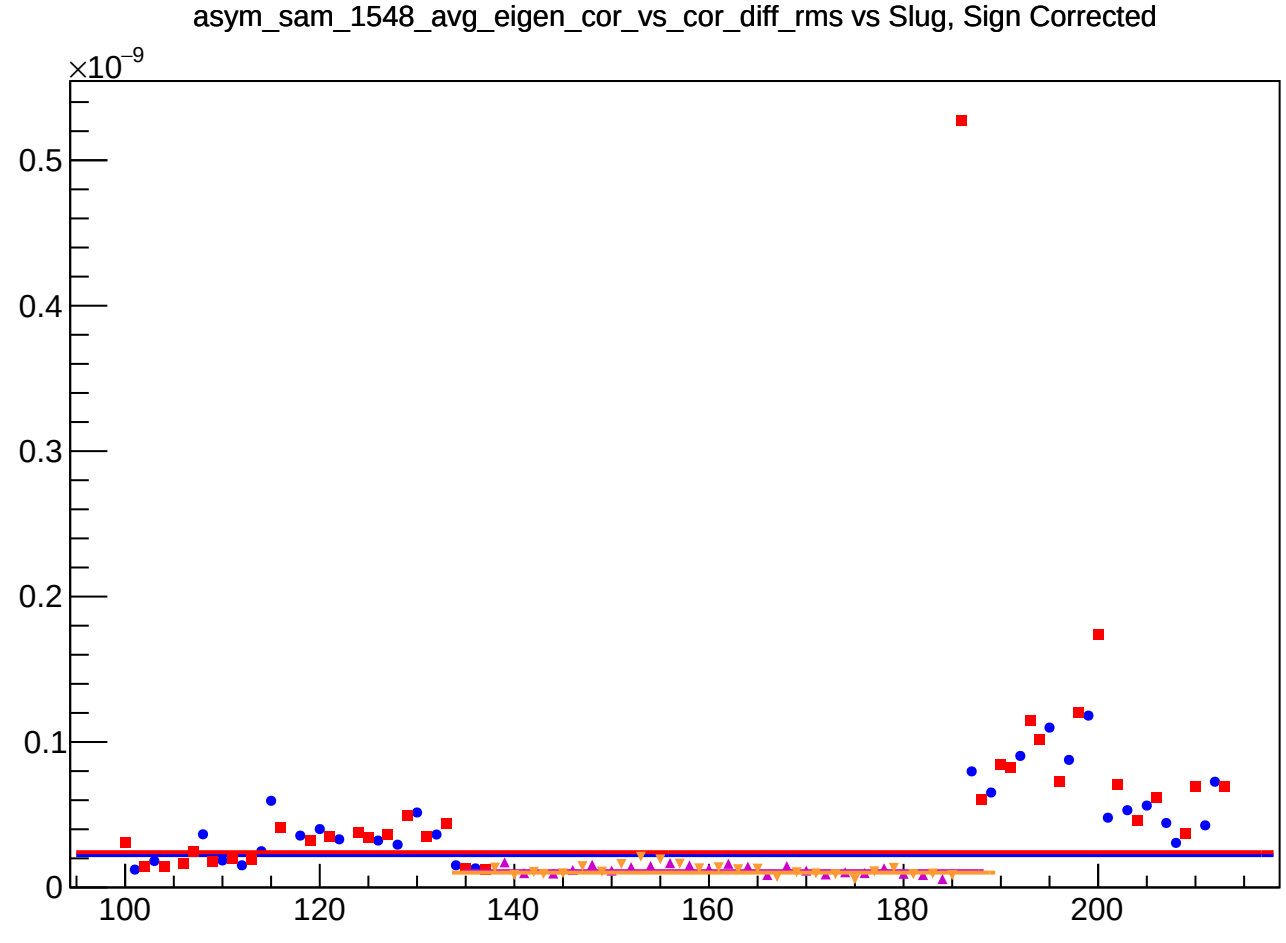
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

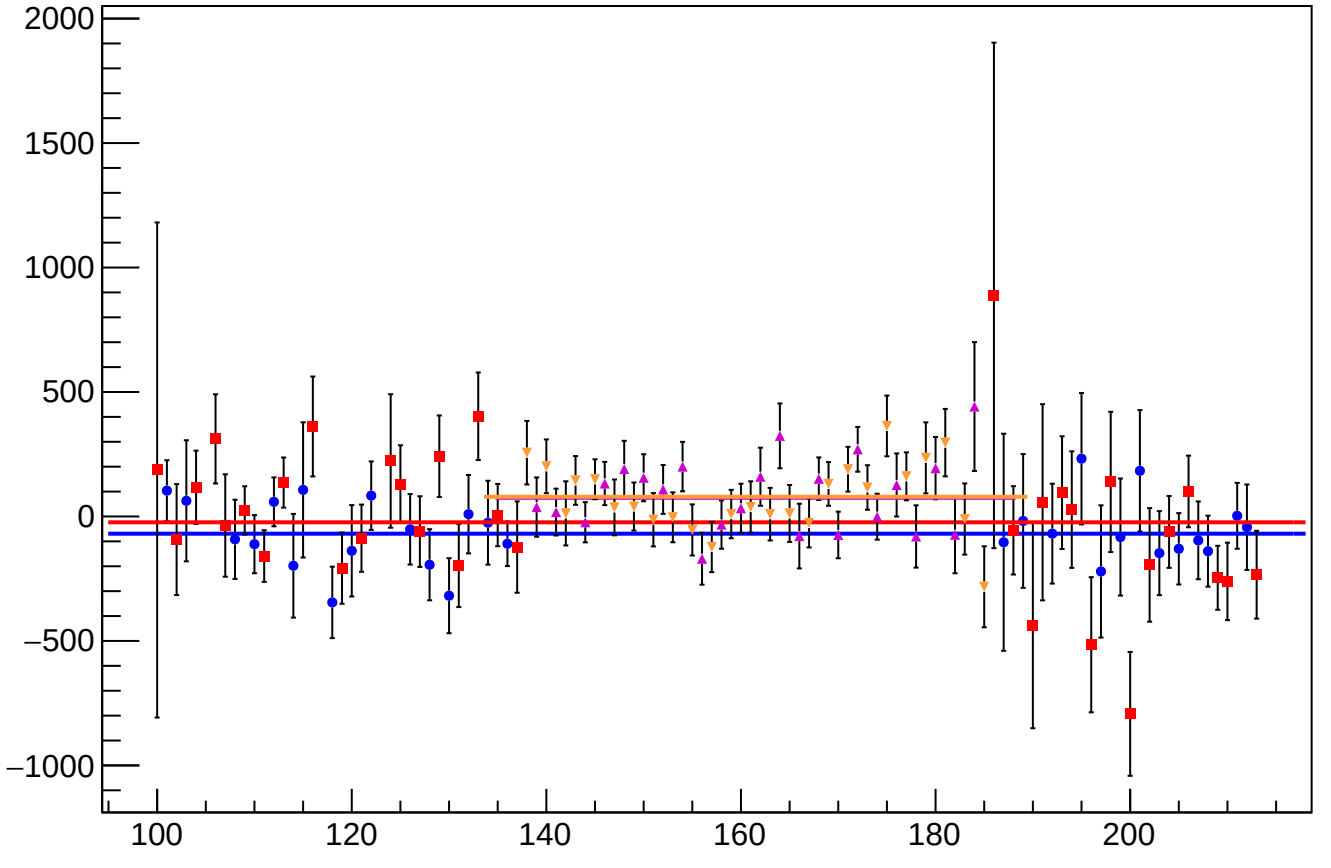
Right: 0.000+/-0.000 χ^2/NDF: 72.0/62

In: 0.000+/-0.000 χ^2/NDF:51.5/51

Out: 0.000+/-0.000 χ^2/NDF:69.9/58

All: 0.000+/-0.000 χ^2/NDF: 121.9/110


asym_sam_1548_avg_eigen_cor_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: 7413261.1/28
Left Out: 0.000+/-0.000 χ²/NDF:2257651.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 8885140.3/33
Left In: 0.000+/-0.000 χ²/NDF:1536588.2/22
Left: 0.000+/-0.000 χ²/NDF: 3895034.6/47
Right: 0.000+/-0.000 χ²/NDF: 16356093.1/62
In: 0.000+/-0.000 χ²/NDF:12213092.9/51
Out: 0.000+/-0.000 χ²/NDF:15971393.8/58
All: 0.000+/-0.000 χ²/NDF: 28303022.8/110



Right In: -69.124+/-29.073 χ^2/NDF: 17.8/28

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

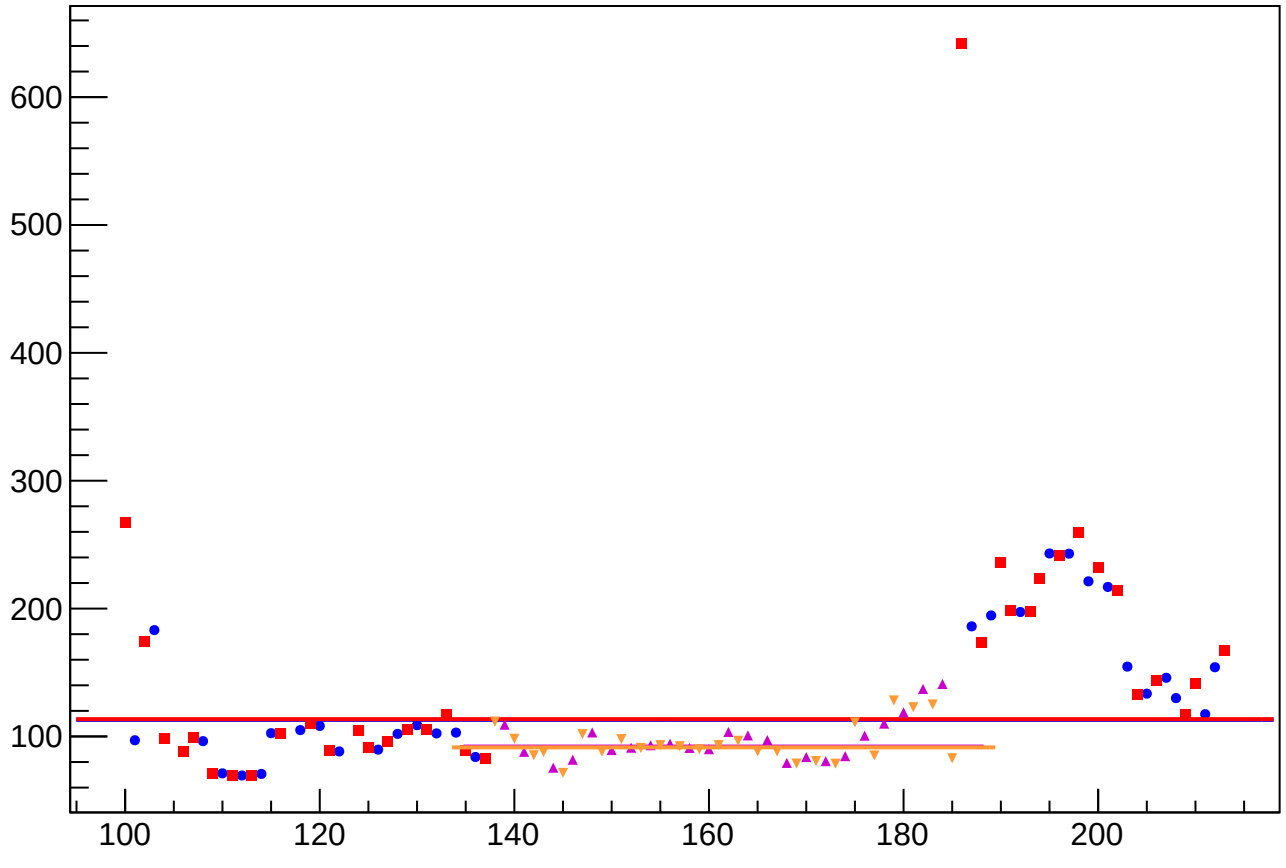
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -45.865+/-20.368 χ^2/NDF: 69.0/62

In: 23.047+/-17.460 χ^2/NDF:66.1/51

Out: 42.857+/-16.968 χ^2/NDF:90.3/58

All: 33.235+/-12.169 χ^2/NDF: 157.1/110



Right In: 112.981+/-0.021 χ^2/NDF: 4065892.0/28

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

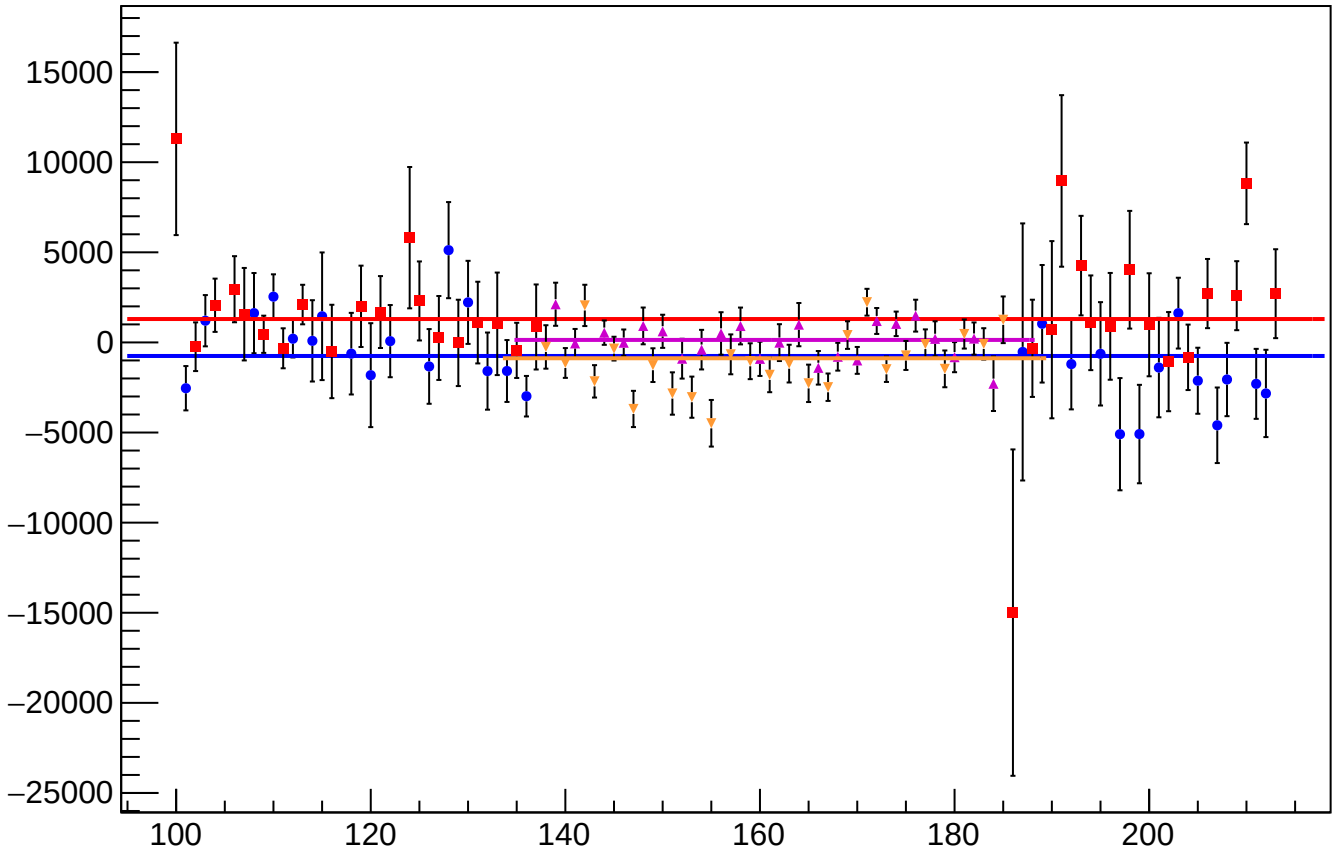
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 113.262+/-0.014 χ^2/NDF: 9716572.5/62

In: 99.632+/-0.012 χ^2/NDF:5425064.8/51

Out: 99.262+/-0.012 χ^2/NDF:7174776.8/58

All: 99.442+/-0.009 χ^2/NDF: 12600302.9/110



Right In: -751.985+/-355.688 χ^2/NDF: 36.8/28

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

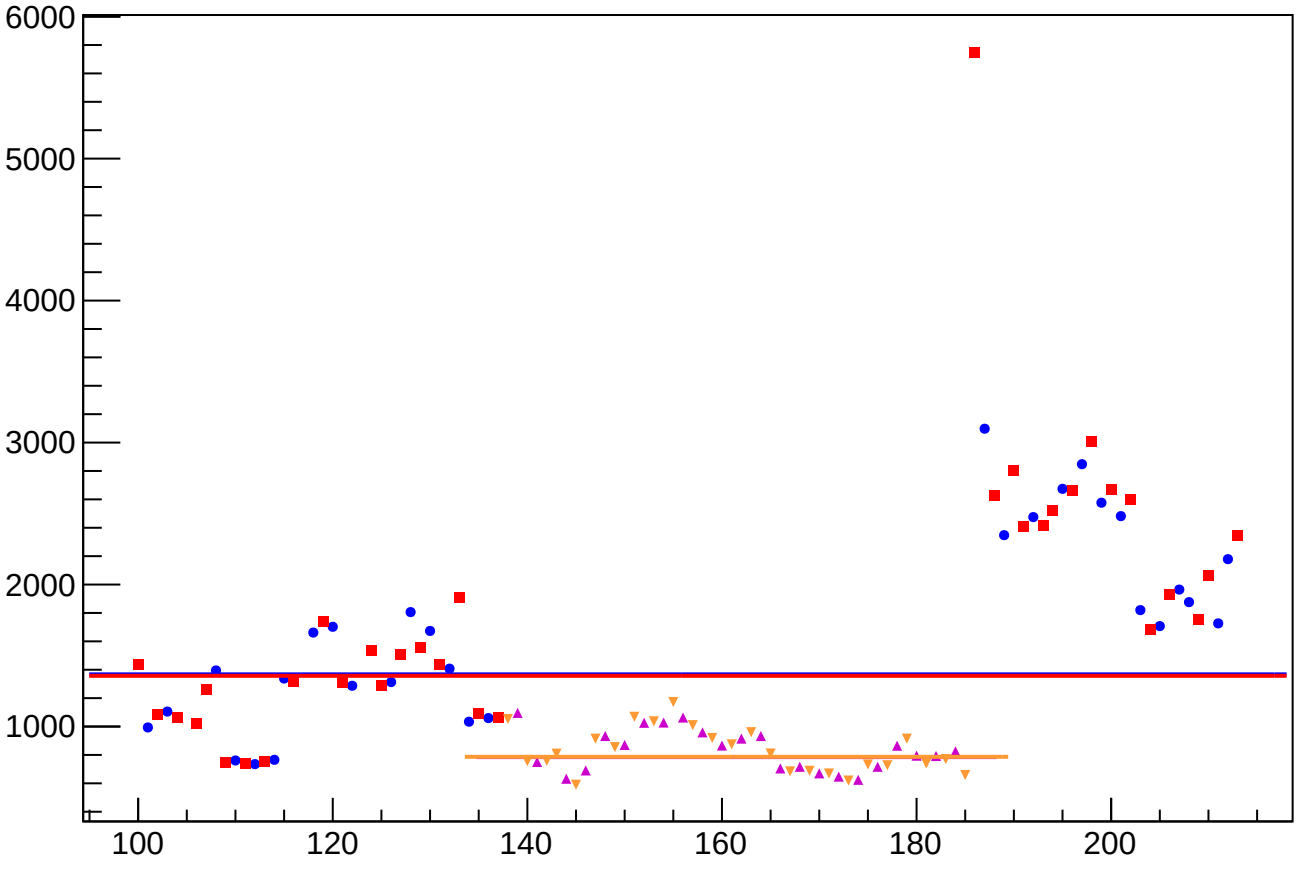
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 304.551+/-247.623 χ^2/NDF: 89.8/62

In: -53.466+/-165.223 χ^2/NDF:65.9/51

Out: -403.694+/-161.098 χ^2/NDF:134.7/58

All: -233.006+/-115.344 χ^2/NDF: 202.9/110



Right In: 1367.433+/-0.252 χ^2/NDF: 5019504.4/28

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

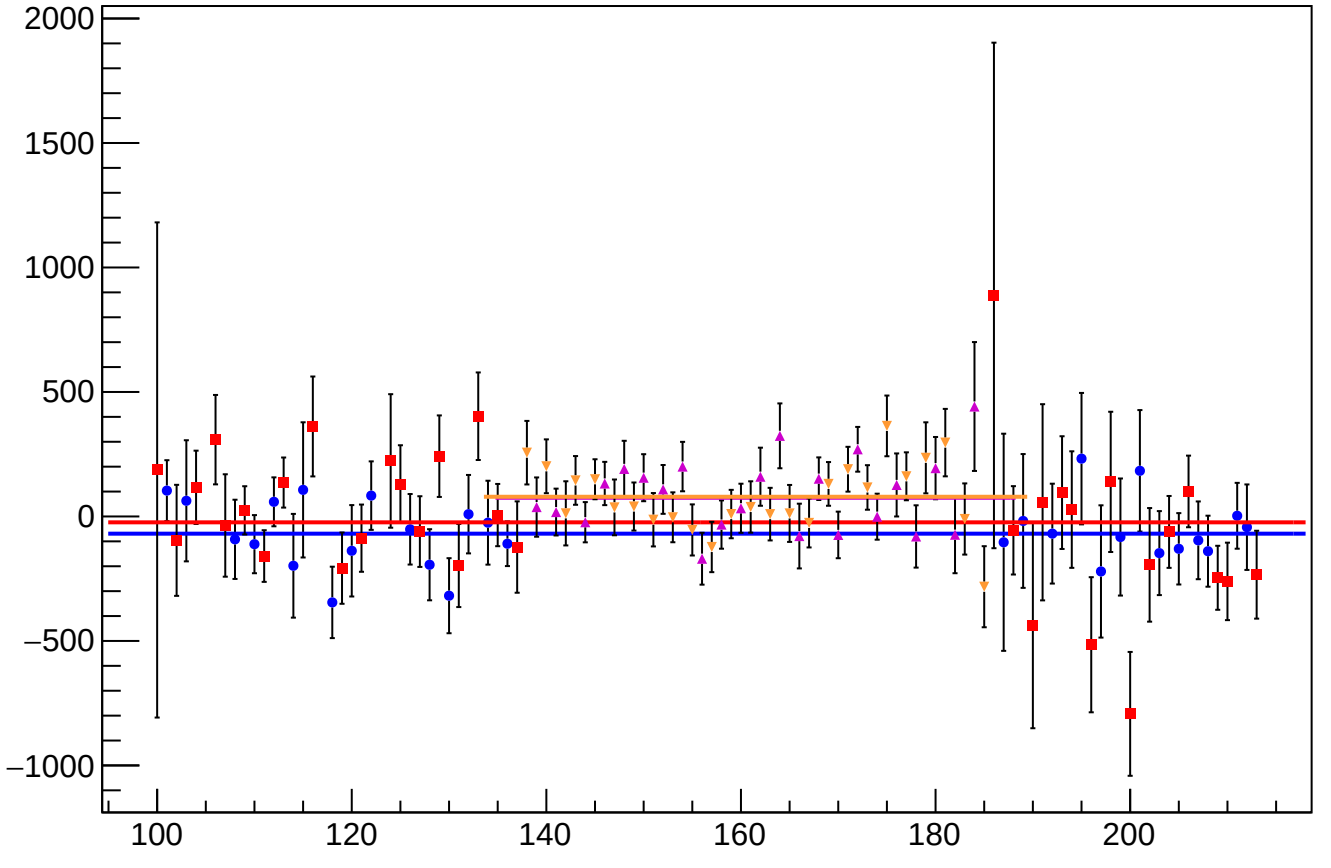
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1362.241+/-0.175 χ^2/NDF: 11856273.1/62

In: 910.544+/-0.117 χ^2/NDF:10291225.5/51

Out: 911.216+/-0.114 χ^2/NDF:12325848.9/58

All: 910.888+/-0.082 χ^2/NDF: 22617091.3/11



Right In: -69.134+/-29.073 χ^2/NDF: 17.8/28

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

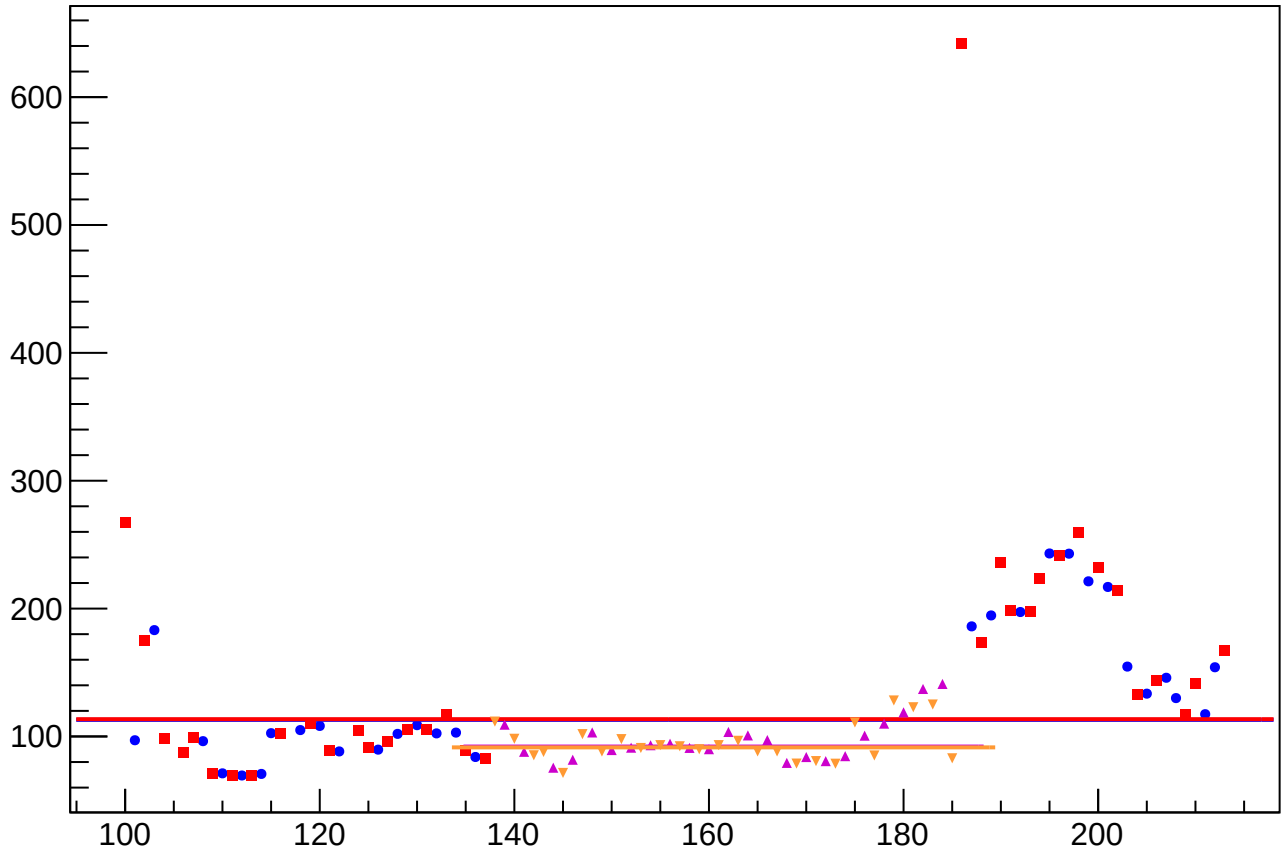
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -45.963+/-20.368 χ^2/NDF: 68.9/62

In: 23.044+/-17.460 χ^2/NDF:66.1/51

Out: 42.803+/-16.969 χ^2/NDF:90.2/58

All: 33.206+/-12.169 χ^2/NDF: 157.0/110



Right In: 112.981+/-0.021 χ^2/NDF: 4065895.0/28

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

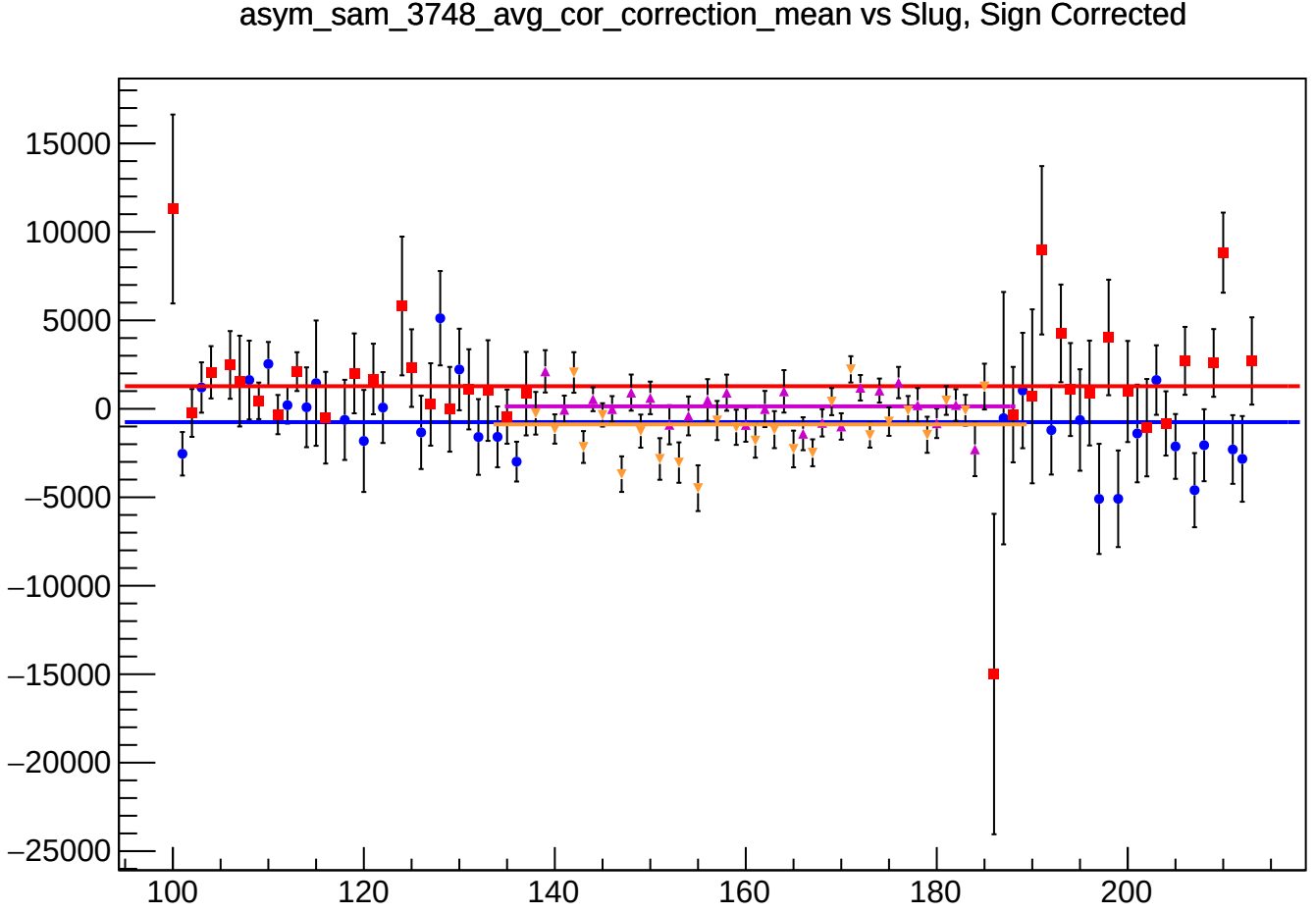
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 113.247+/-0.014 χ^2/NDF: 9720685.2/62

In: 99.632+/-0.012 χ^2/NDF:5425067.9/51

Out: 99.251+/-0.012 χ^2/NDF:7176810.1/58

All: 99.436+/-0.009 χ^2/NDF: 12602367.5/110



Right In: -752.004+/-355.690 χ^2/NDF: 36.8/28

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

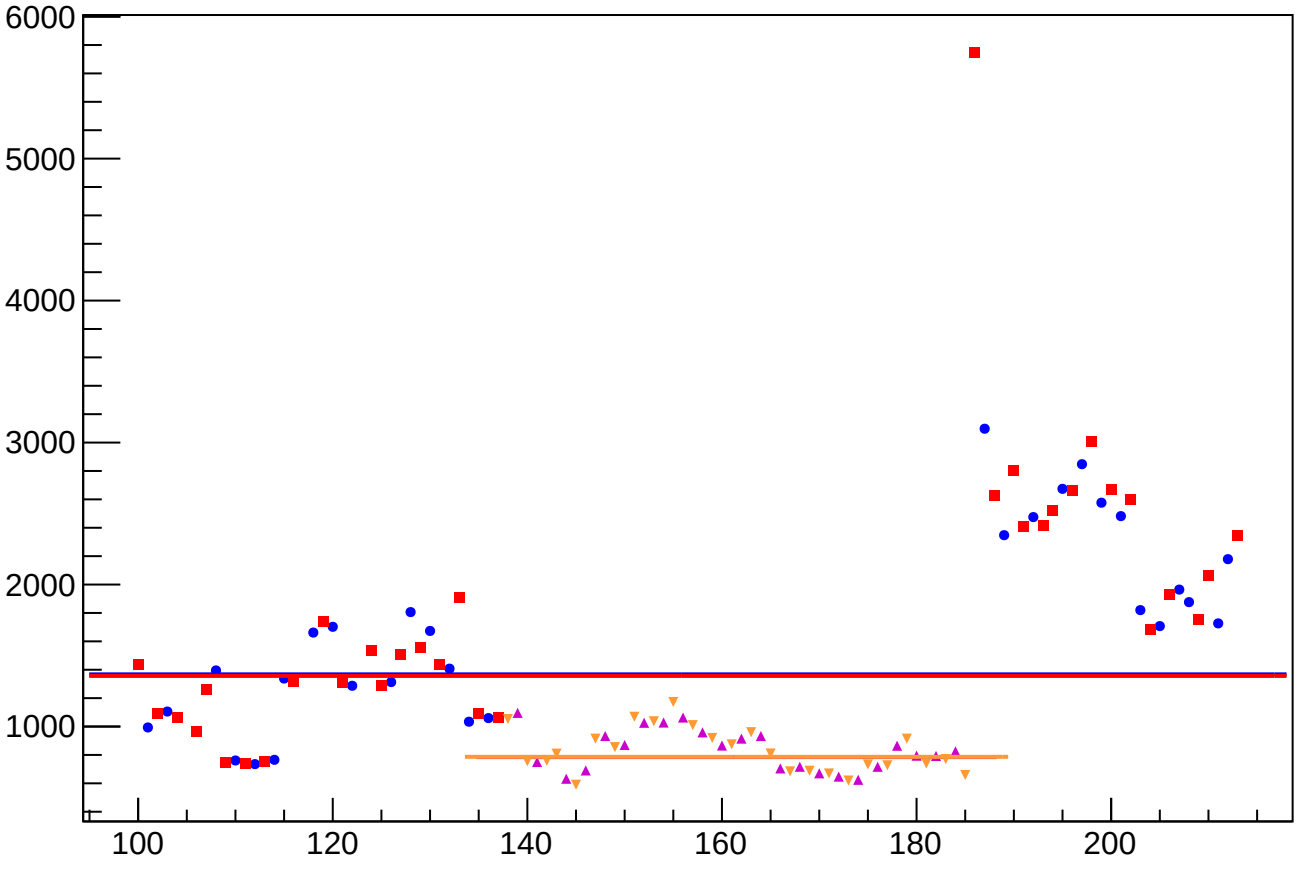
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 292.952+/-247.814 χ^2/NDF: 89.0/62

In: -53.467+/-165.223 χ^2/NDF:65.9/51

Out: -409.051+/-161.150 χ^2/NDF:133.6/58

All: -235.695+/-115.363 χ^2/NDF: 201.9/110



Right In: 1367.443+/-0.252 χ^2/NDF: 5019440.8/28

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

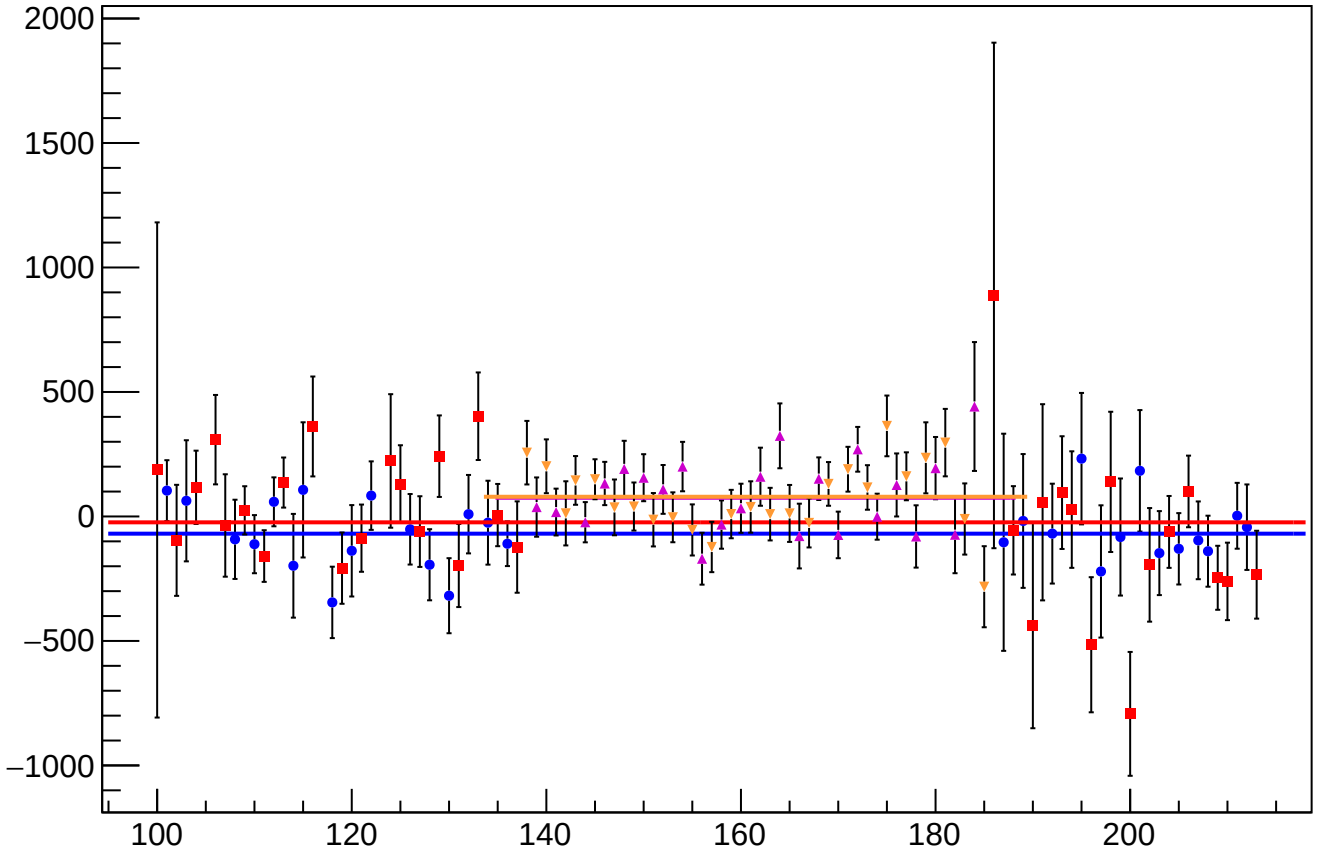
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

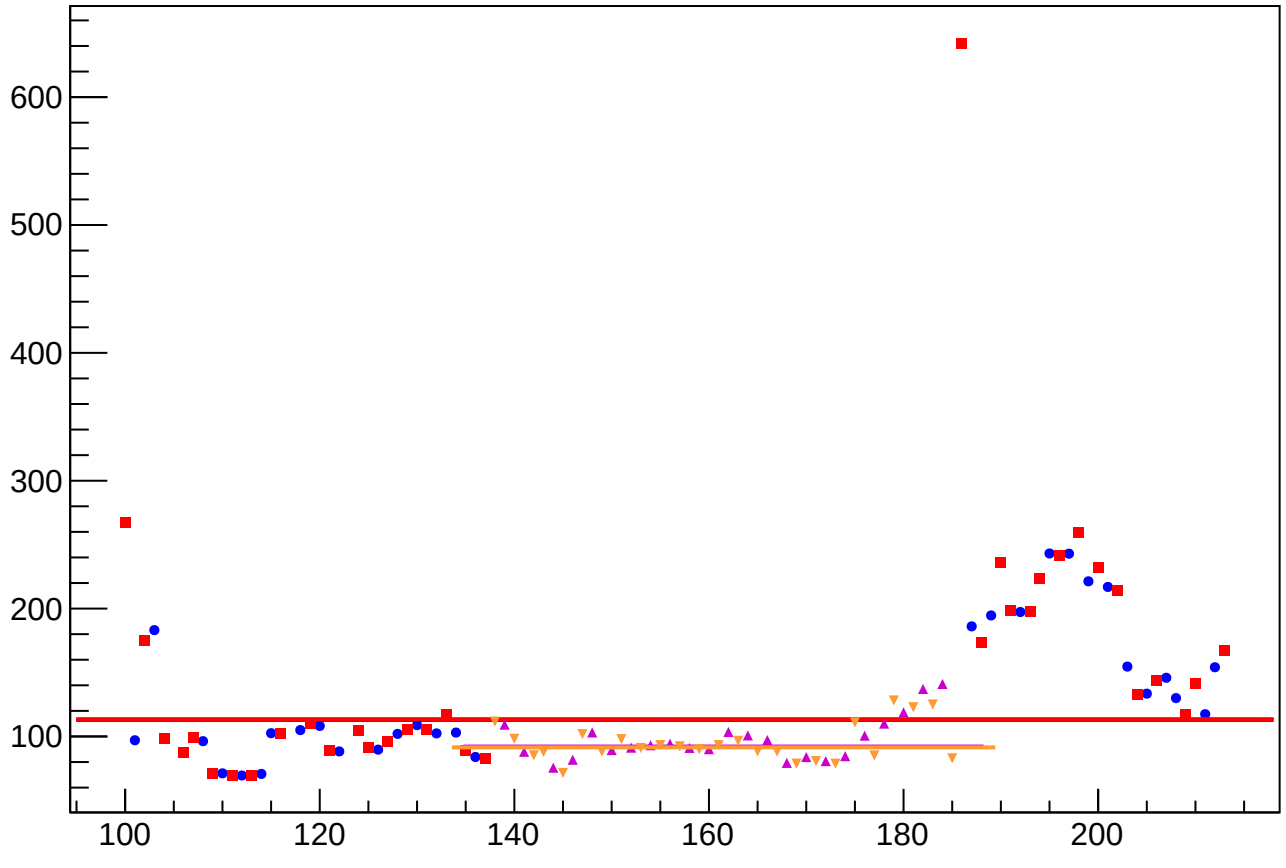
Right: 1361.835+/-0.175 χ^2/NDF: 11872852.9/62

In: 910.545+/-0.117 χ^2/NDF:10291258.9/51

Out: 910.749+/-0.114 χ^2/NDF:12320236.6/58

All: 910.649+/-0.082 χ^2/NDF: 22611497.1/11


eigen_cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: -69.134+/-29.073 χ²/NDF: 17.8/28
Left Out: 79.106+/-21.102 χ²/NDF:32.0/24
Right Out: -23.625+/-28.545 χ²/NDF: 49.9/33
Left In: 75.049+/-21.837 χ²/NDF:32.6/22
Left: 77.147+/-15.175 χ²/NDF: 64.6/47
Right: -45.963+/-20.368 χ²/NDF: 68.9/62
In: 23.044+/-17.460 χ²/NDF:66.1/51
Out: 42.803+/-16.969 χ²/NDF:90.2/58
All: 33.206+/-12.169 χ²/NDF: 157.0/110



Right In: 112.981+/-0.021 χ^2/NDF: 4065895.0/28

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

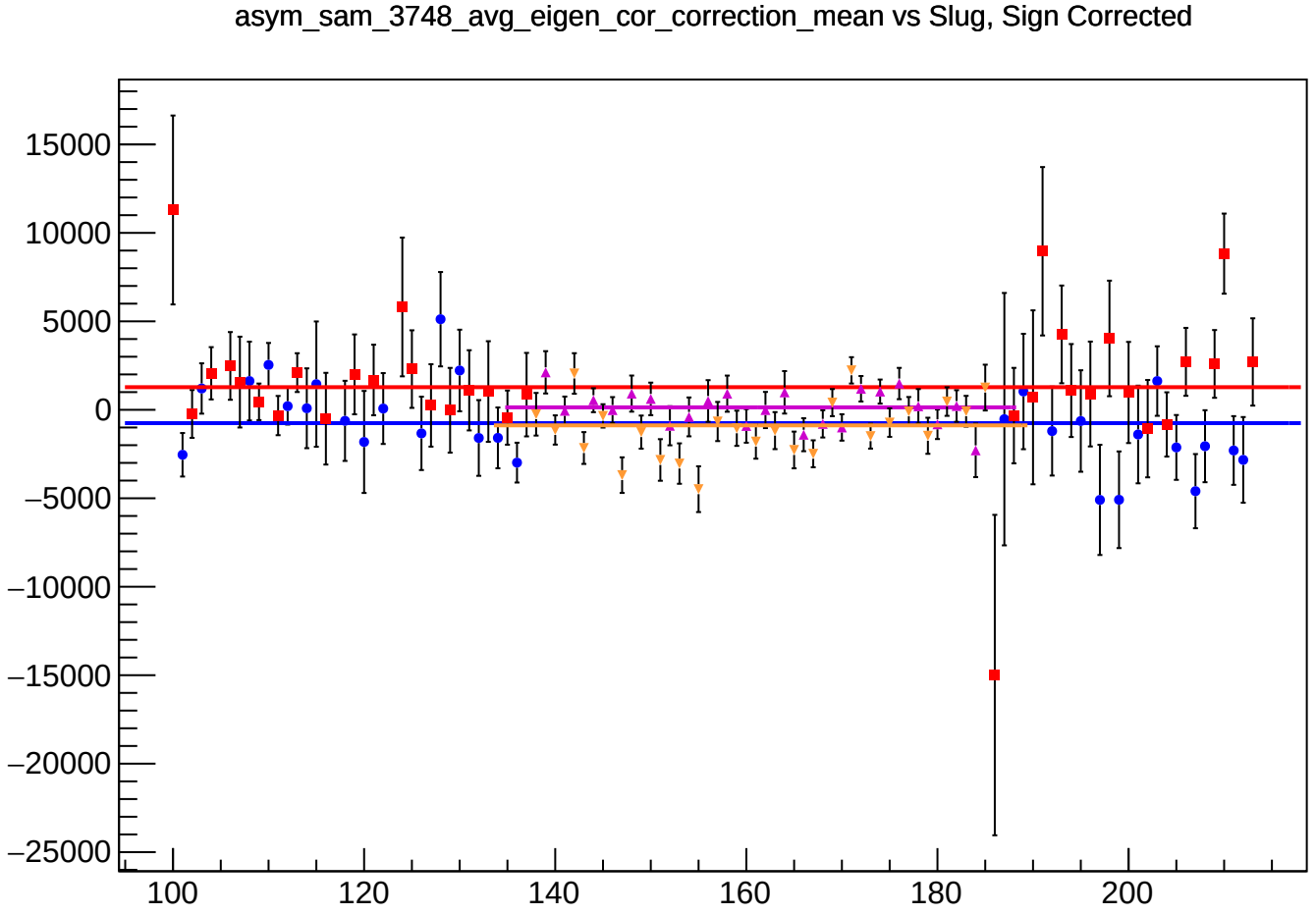
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 113.247+/-0.014 χ^2/NDF: 9720685.2/62

In: 99.632+/-0.012 χ^2/NDF:5425067.9/51

Out: 99.251+/-0.012 χ^2/NDF:7176810.1/58

All: 99.436+/-0.009 χ^2/NDF: 12602367.5/110



Right In: -752.004+/-355.690 χ^2/NDF: 36.8/28

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

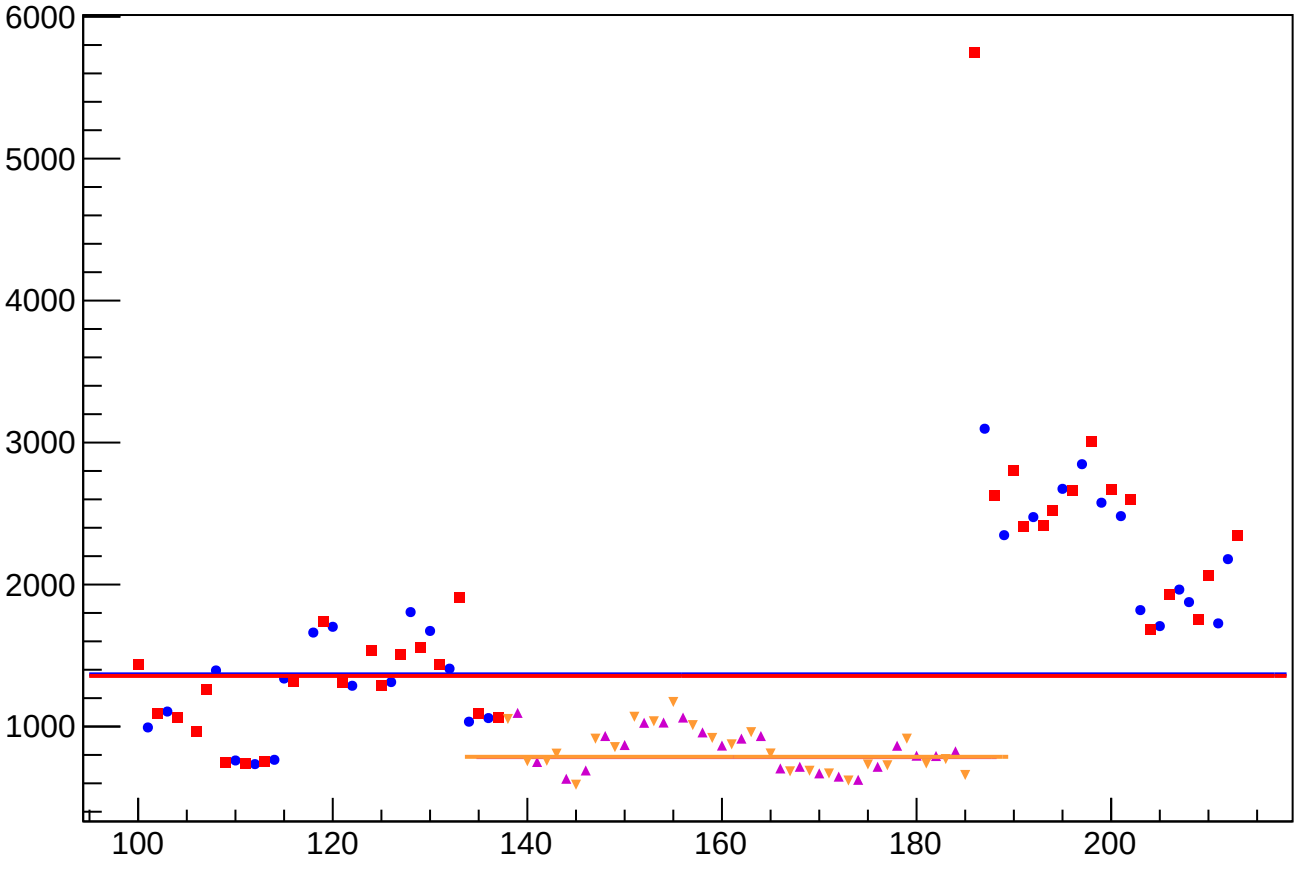
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 292.952+/-247.814 χ^2/NDF: 89.0/62

In: -53.467+/-165.223 χ^2/NDF:65.9/51

Out: -409.051+/-161.150 χ^2/NDF:133.6/58

All: -235.695+/-115.363 χ^2/NDF: 201.9/110



Right In: 1367.443+/-0.252 χ^2/NDF: 5019440.8/28

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

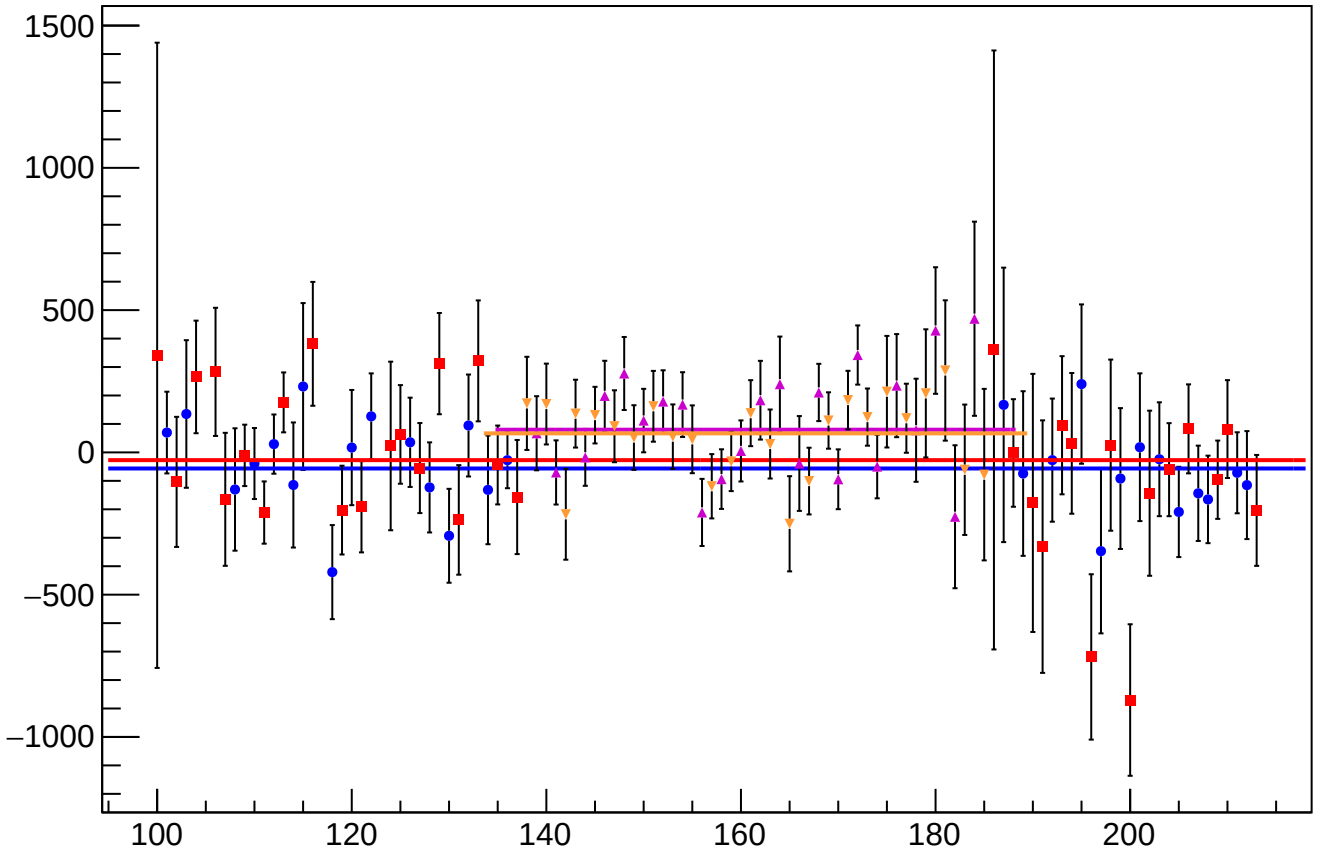
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1361.835+/-0.175 χ^2/NDF: 11872852.9/62

In: 910.545+/-0.117 χ^2/NDF:10291258.9/51

Out: 910.749+/-0.114 χ^2/NDF:12320236.6/58

All: 910.649+/-0.082 χ^2/NDF: 22611497.1/11



Right In: -56.534+/-32.090 χ^2/NDF: 17.5/28

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

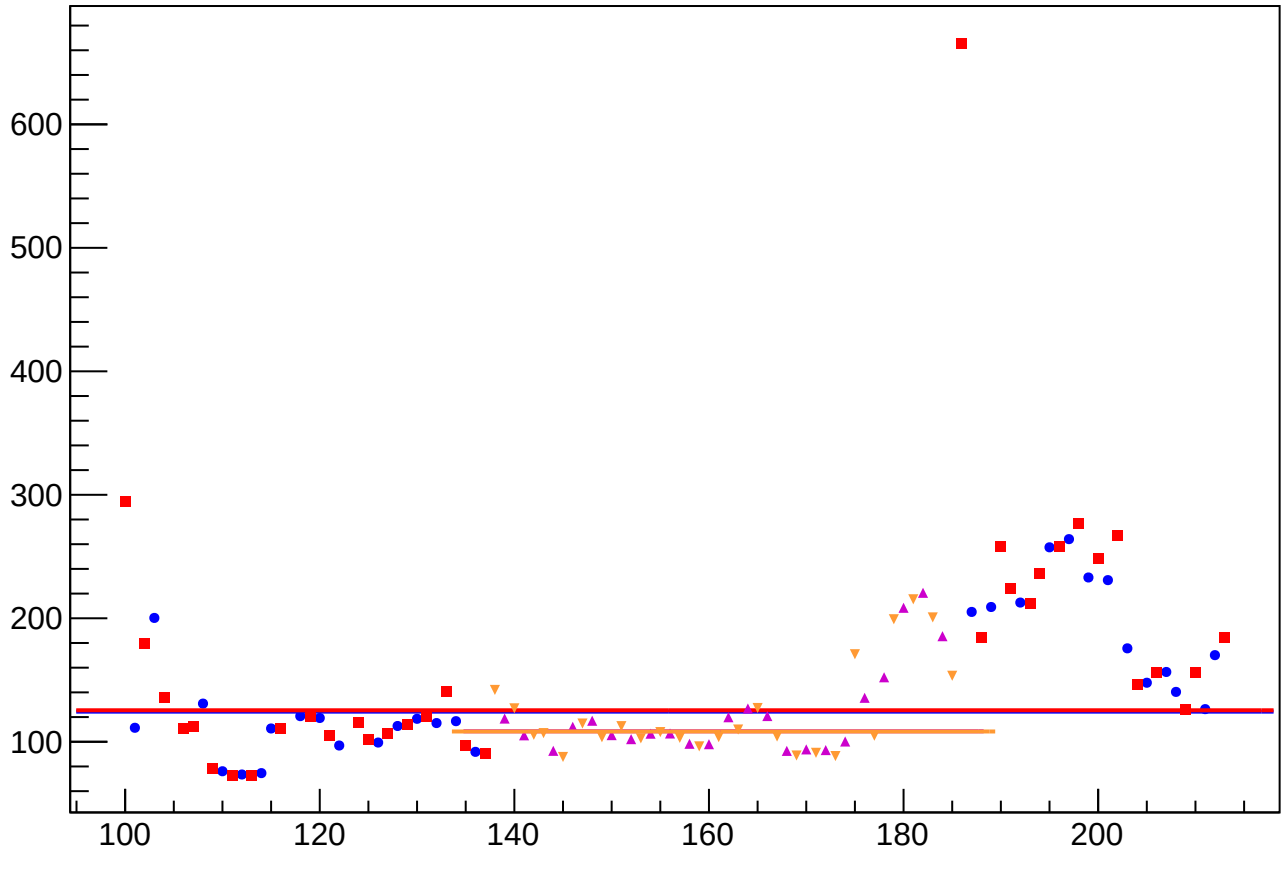
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -41.646+/-22.530 χ^2/NDF: 62.2/62

In: 25.004+/-20.341 χ^2/NDF:65.2/51

Out: 29.707+/-19.894 χ^2/NDF:69.2/58

All: 27.408+/-14.222 χ^2/NDF: 134.4/110



Right In: 124.403+/-0.023 χ^2/NDF: 4023461.8/28

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

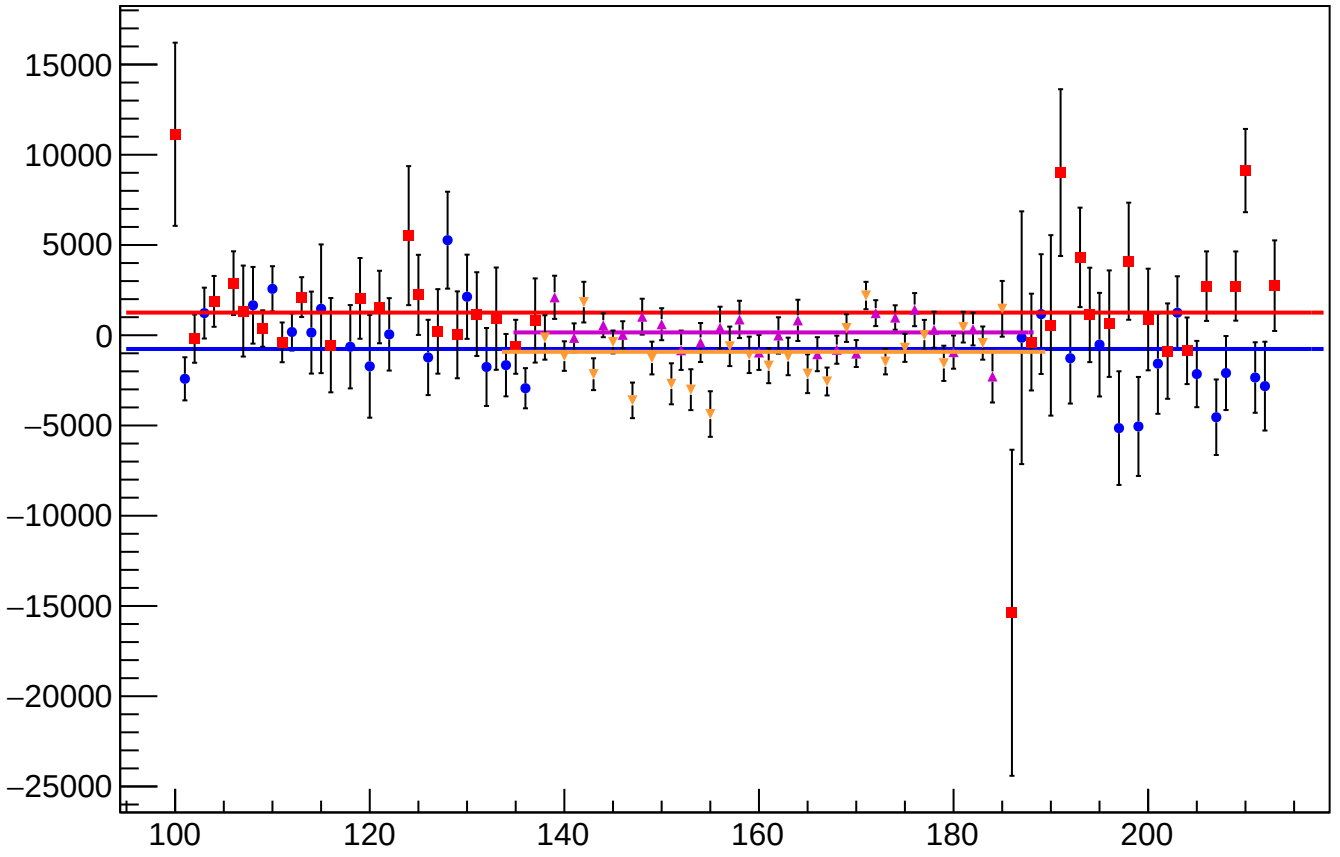
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 124.960+/-0.016 χ^2/NDF: 9649881.5/62

In: 114.885+/-0.014 χ^2/NDF:5696975.2/51

Out: 115.119+/-0.014 χ^2/NDF:7756022.3/58

All: 115.004+/-0.010 χ^2/NDF: 13453132.5/11



Right In: -761.235+/-354.903 χ^2/NDF: 36.3/28

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

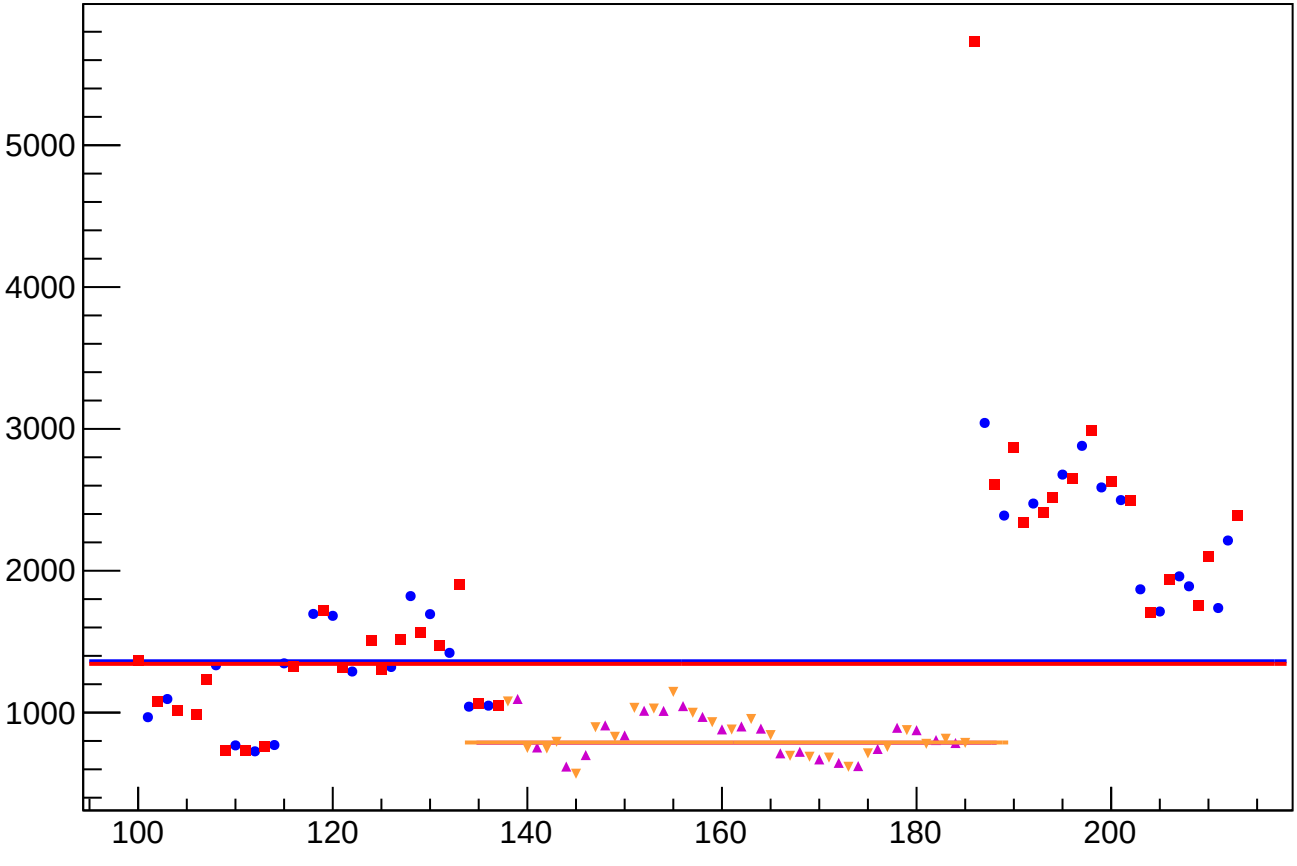
Right: 283.757+/-246.288 χ^2/NDF: 90.6/62

In: -43.608+/-165.520 χ^2/NDF:64.6/51

Out: -437.348+/-160.990 χ^2/NDF:133.1/58

All: -245.939+/-115.405 χ^2/NDF: 200.6/110

asym_sam_3748_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1361.730+/-0.251 χ^2/NDF: 5161360.8/28

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

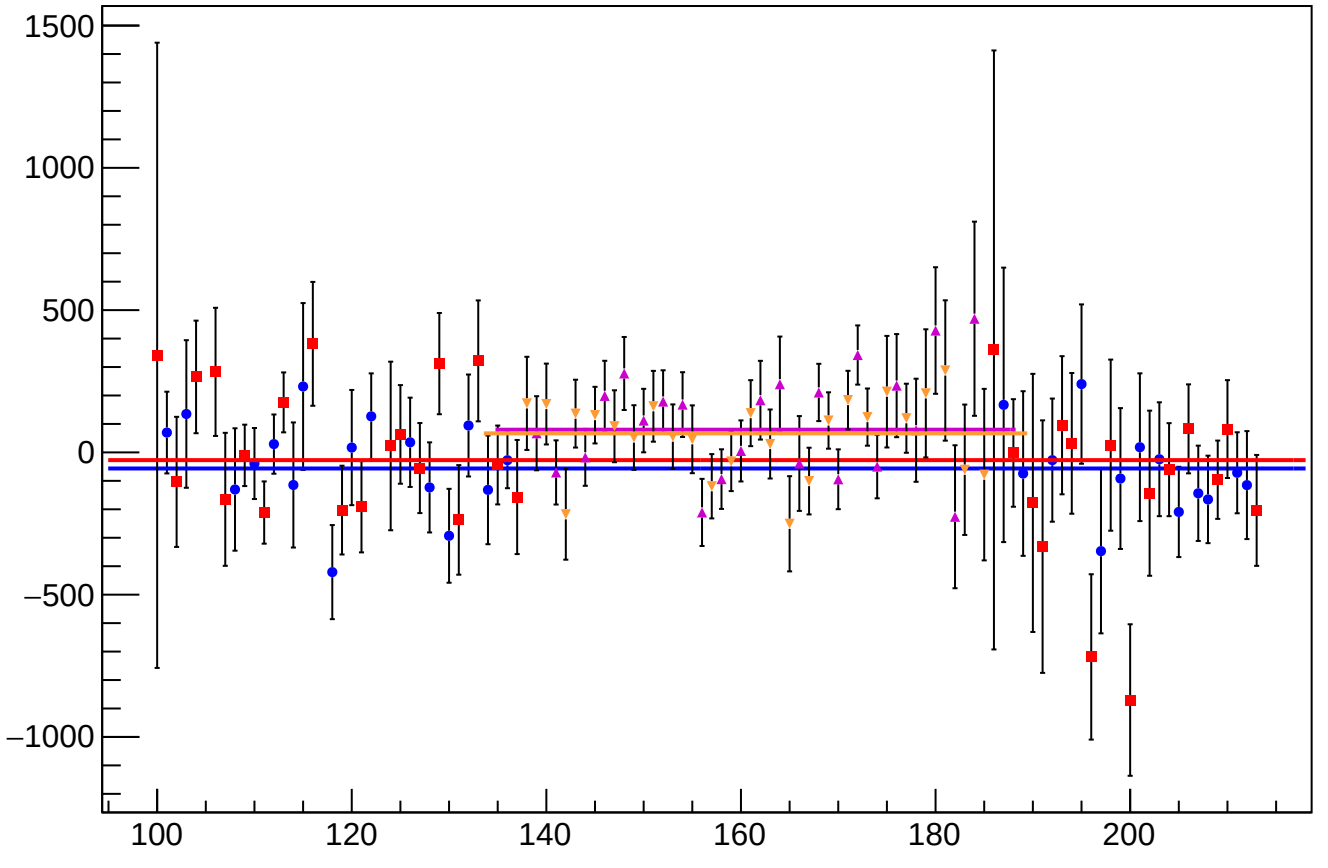
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1352.315+/-0.174 χ^2/NDF: 12131387.9/62

In: 912.315+/-0.117 χ^2/NDF:10301288.3/51

Out: 912.036+/-0.114 χ^2/NDF:12232934.2/58

All: 912.172+/-0.082 χ^2/NDF: 22534225.4/11



Right In: -56.533+/-32.090 χ^2/NDF: 17.5/28

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

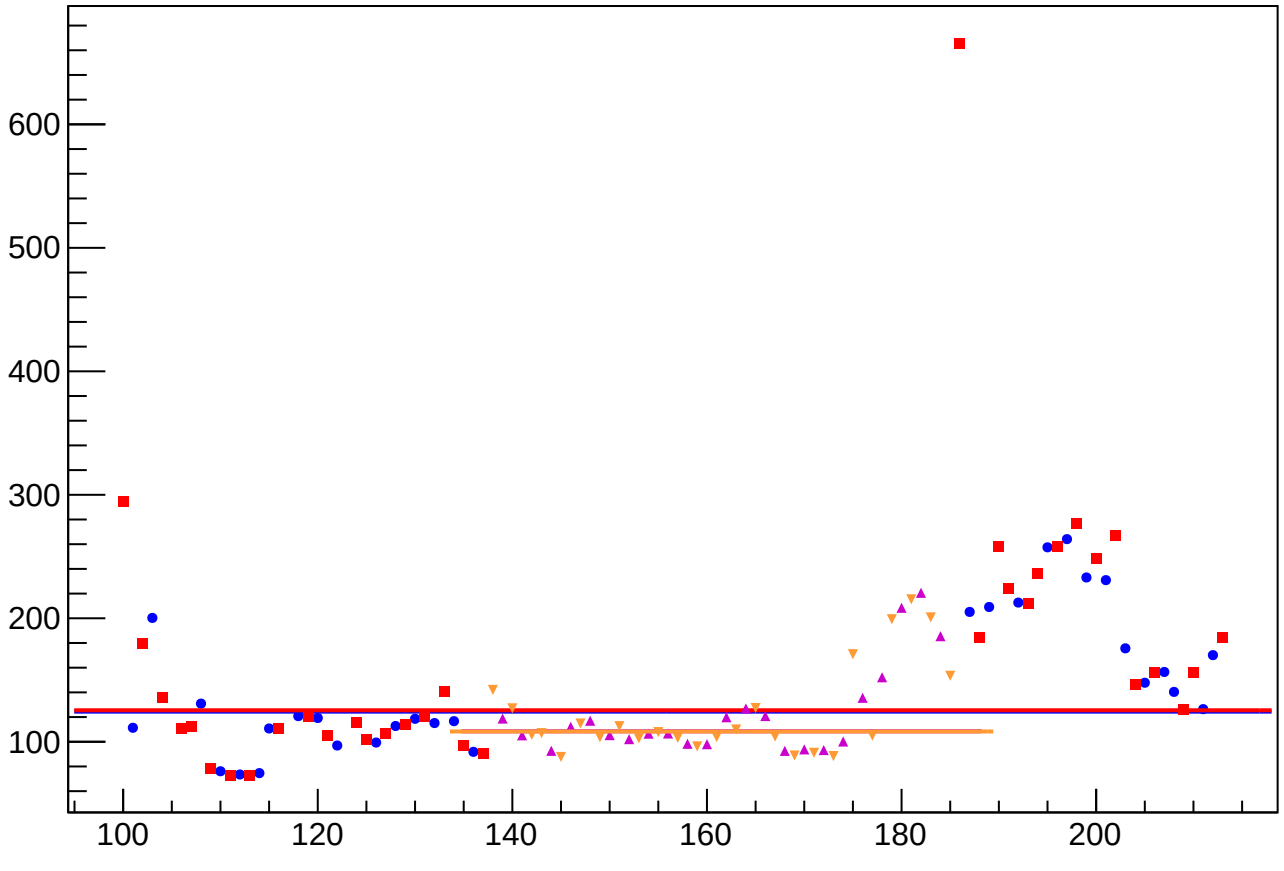
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -41.647+/-22.531 χ^2/NDF: 62.2/62

In: 25.004+/-20.341 χ^2/NDF:65.2/51

Out: 29.707+/-19.894 χ^2/NDF:69.2/58

All: 27.408+/-14.223 χ^2/NDF: 134.4/110



Right In: 124.403+/-0.023 χ^2/NDF: 4023448.6/28

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

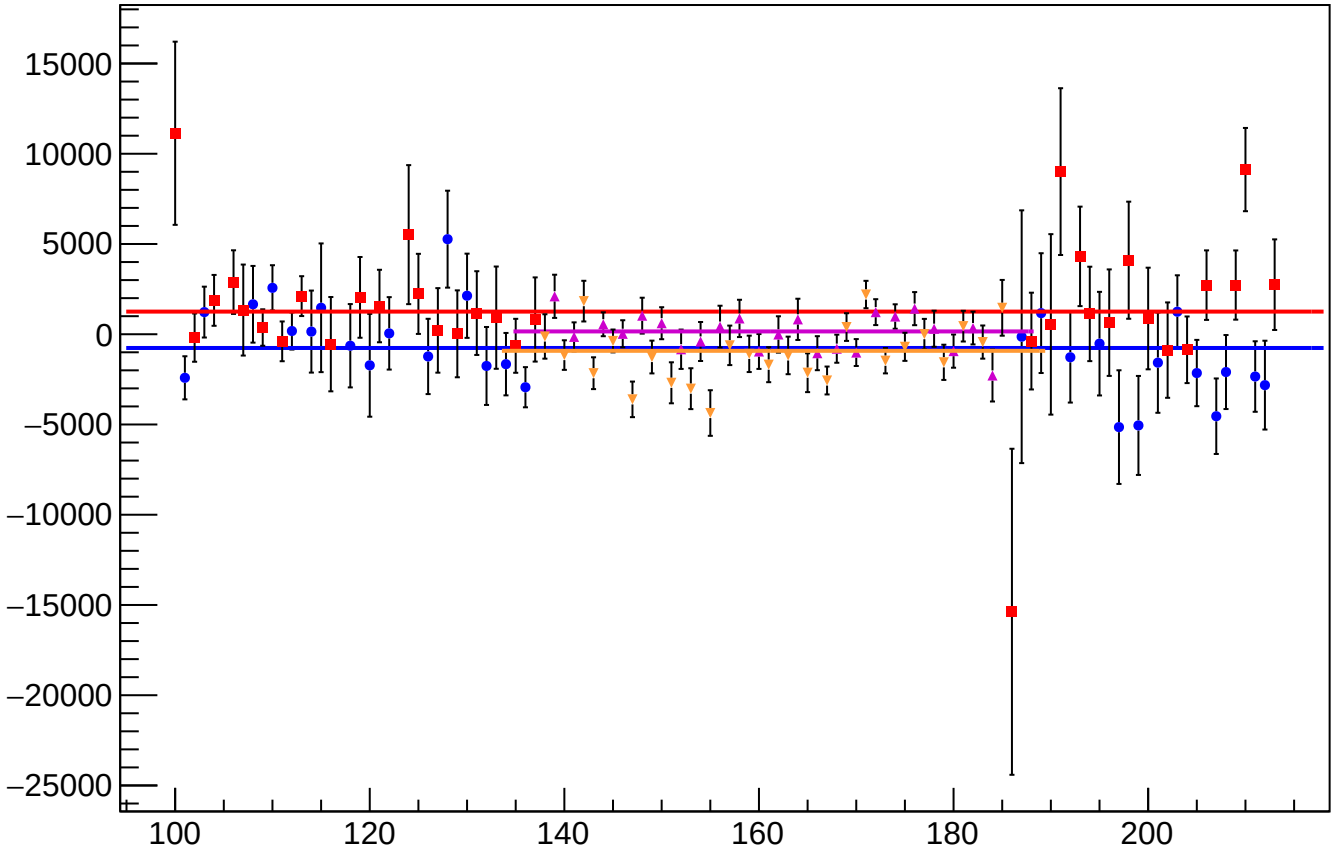
Right: 124.960+/-0.016 χ^2/NDF: 9649868.6/62

In: 114.885+/-0.014 χ^2/NDF:5696936.2/51

Out: 115.119+/-0.014 χ^2/NDF:7756009.5/58

All: 115.005+/-0.010 χ^2/NDF: 13453080.7/1

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -761.232+/-354.902 χ^2/NDF: 36.3/28

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 1254.489+/-342.060 χ^2/NDF: 37.6/33

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

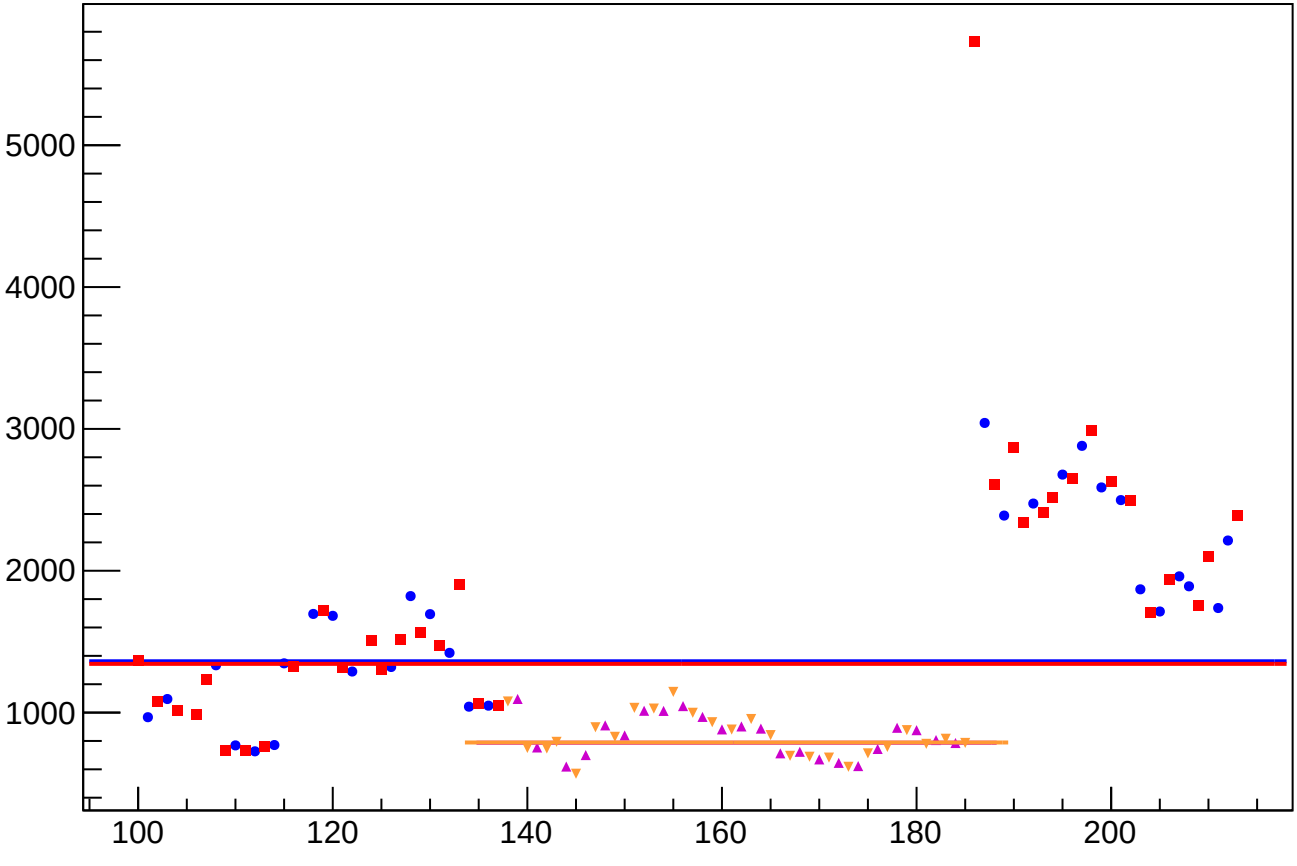
Right: 283.756+/-246.288 χ^2/NDF: 90.6/62

In: -43.608+/-165.519 χ^2/NDF:64.6/51

Out: -437.348+/-160.989 χ^2/NDF:133.1/58

All: -245.939+/-115.405 χ^2/NDF: 200.6/110

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1361.728+/-0.251 χ^2/NDF: 5161374.2/28

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

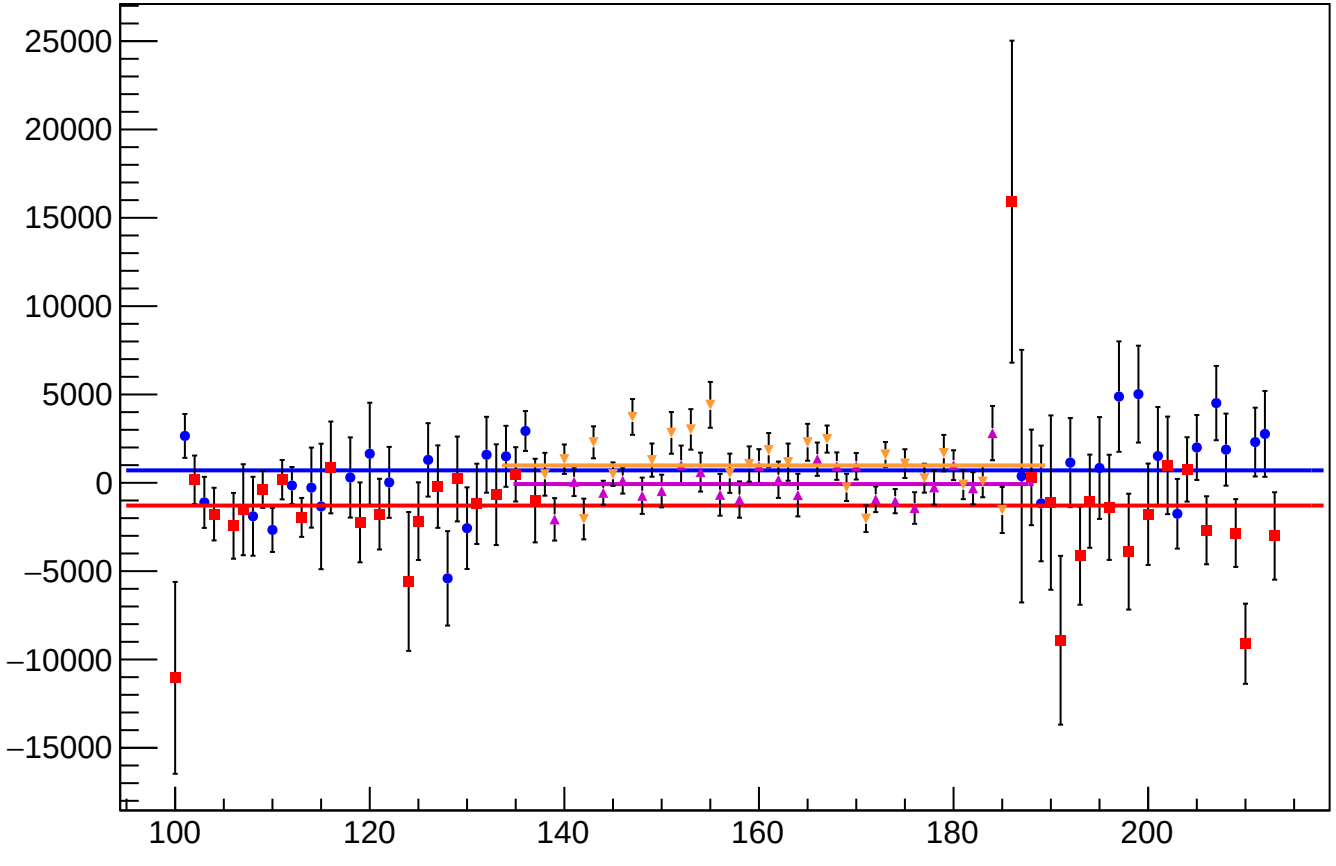
Right: 1352.313+/-0.174 χ^2/NDF: 12131409.3/62

In: 912.313+/-0.117 χ^2/NDF:10301302.3/51

Out: 912.034+/-0.114 χ^2/NDF:12232948.1/58

All: 912.170+/-0.082 χ^2/NDF: 22534253.4/1

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 704.471+/-357.391 χ^2/NDF: 37.5/28

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

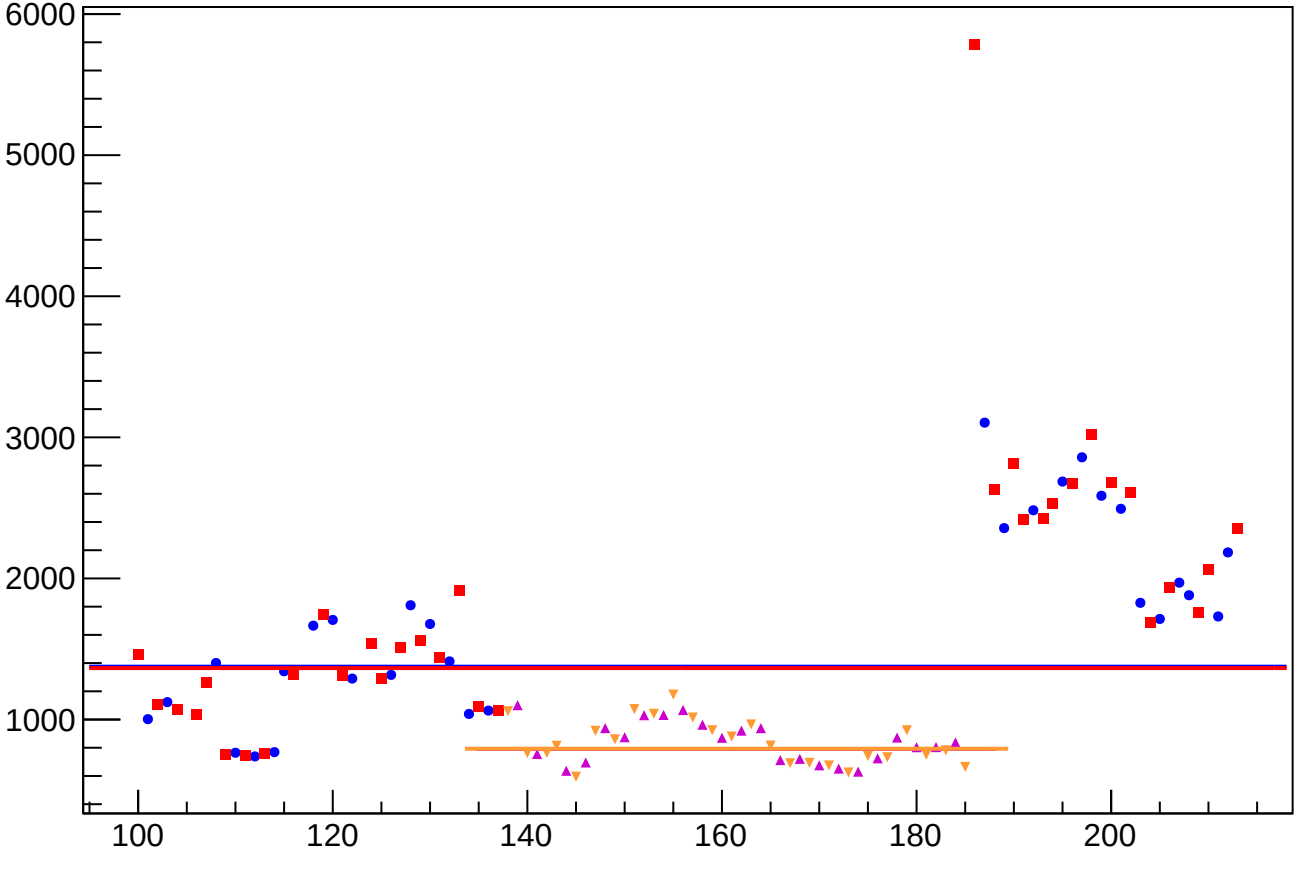
Right: -321.546+/-248.840 χ^2/NDF: 89.2/62

In: 97.838+/-166.409 χ^2/NDF:65.6/51

Out: 487.857+/-162.252 χ^2/NDF:132.9/58

All: 297.780+/-116.171 χ^2/NDF: 201.4/110

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1374.573+/-0.253 χ^2/NDF: 4994565.4/28

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

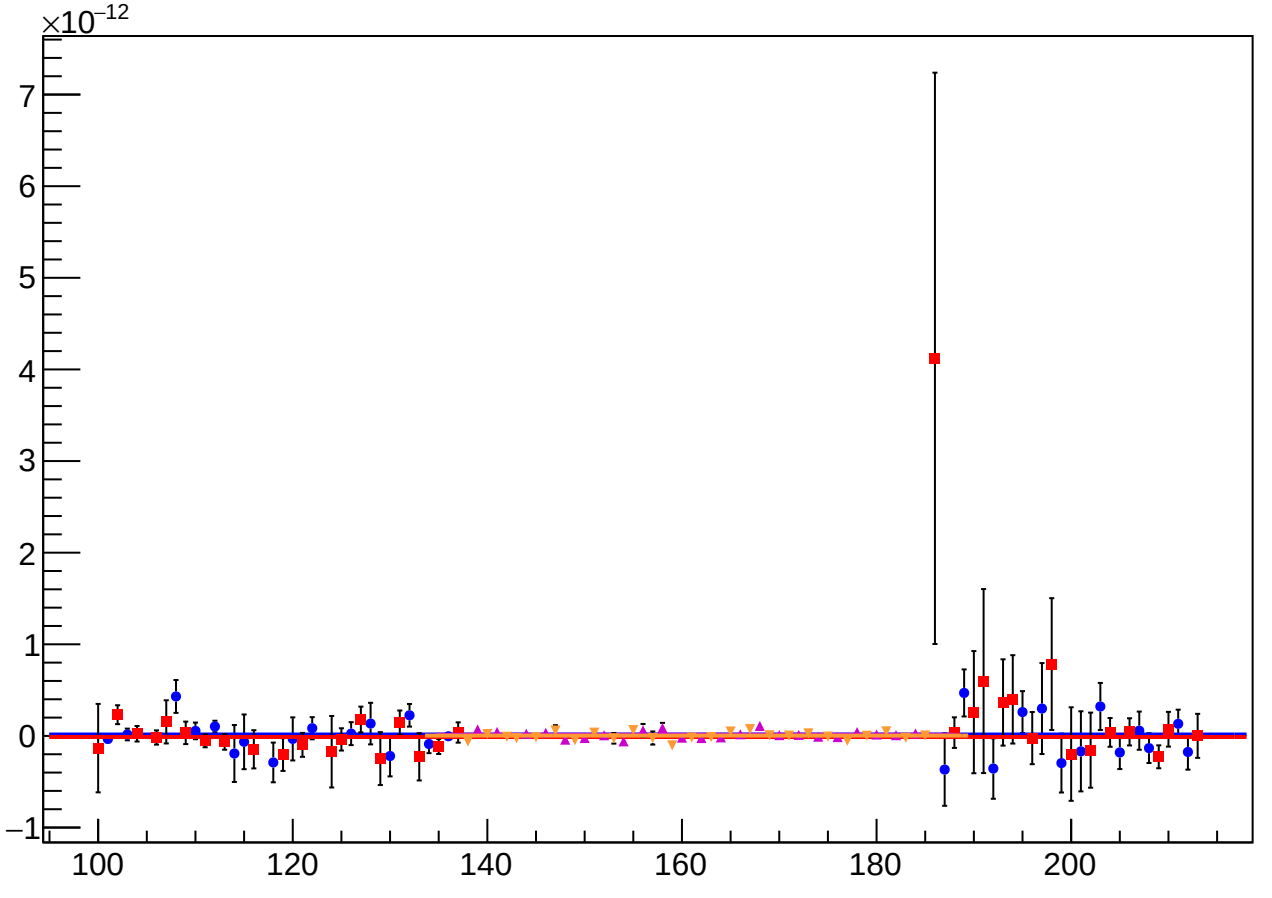
Right: 1369.421+/-0.176 χ^2/NDF: 11805228.1/62

In: 917.642+/-0.118 χ^2/NDF:10217882.6/51

Out: 918.237+/-0.115 χ^2/NDF:12248757.8/58

All: 917.947+/-0.082 χ^2/NDF: 22466653.6/1

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/28

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

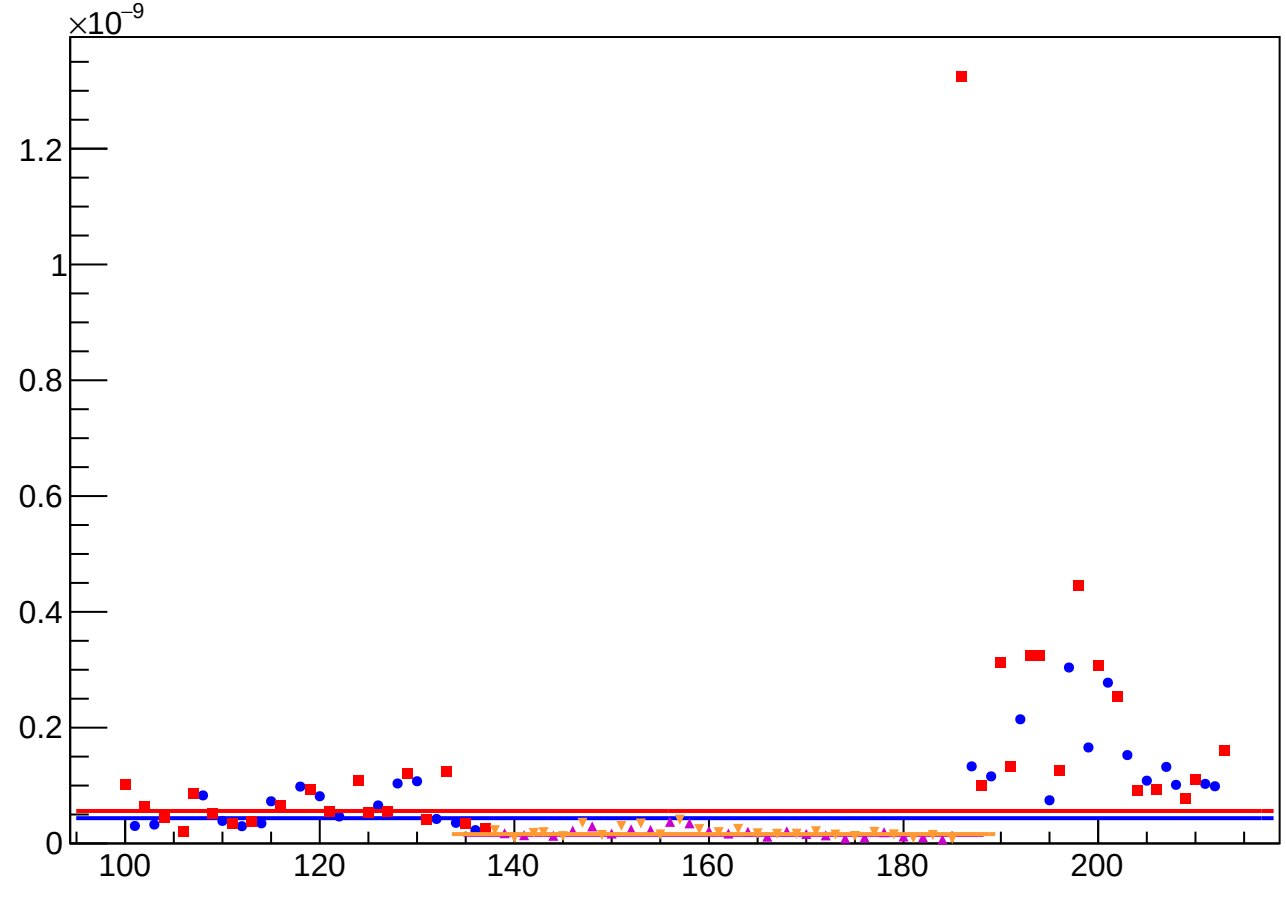
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 55.0/62

In: 0.000+/-0.000 χ^2/NDF:55.1/51

Out: 0.000+/-0.000 χ^2/NDF:58.8/58

All: 0.000+/-0.000 χ^2/NDF: 115.2/110



Right In: 0.000+/-0.000 χ^2/NDF: 5466637.9/28

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6002247.8/33

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

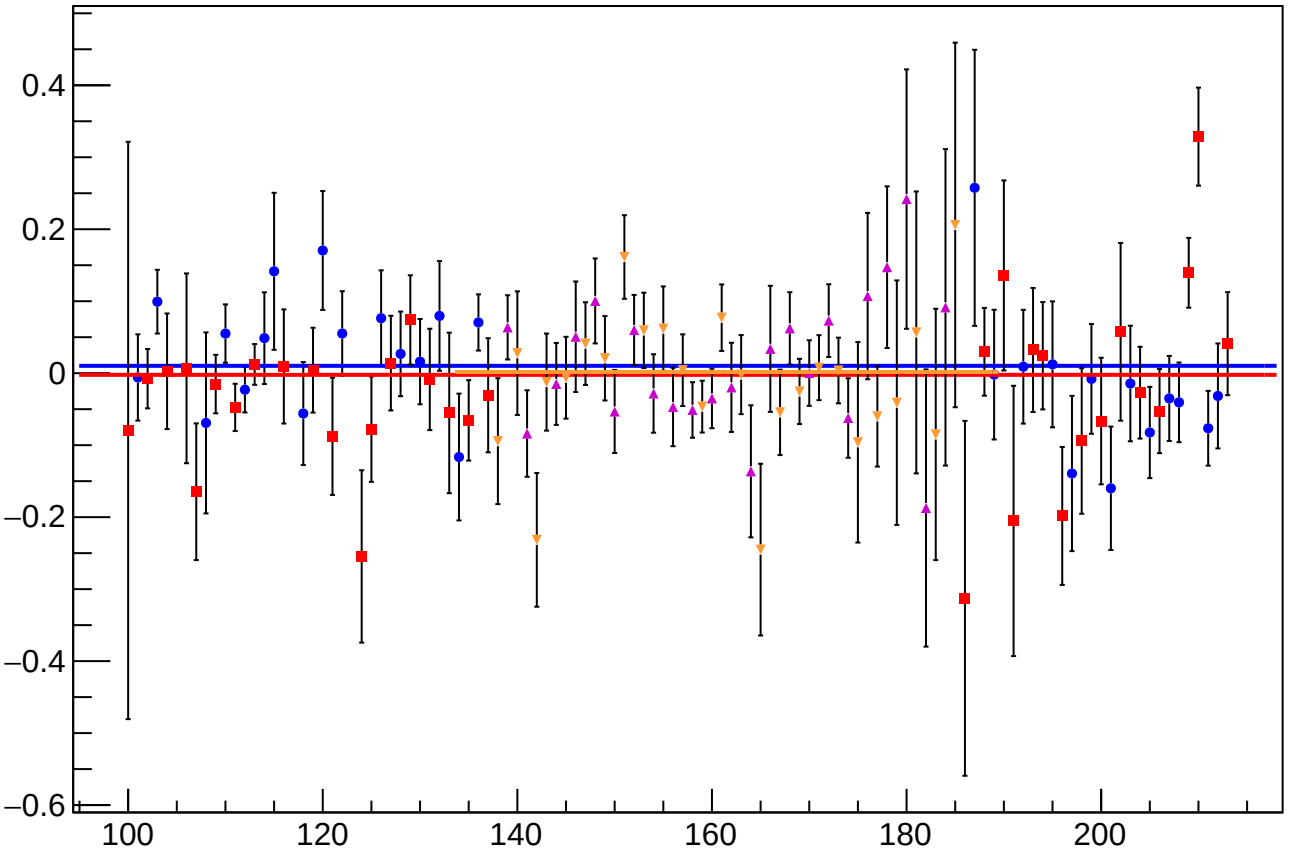
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 11767878.1/62

In: 0.000+/-0.000 χ^2/NDF:10672642.1/51

Out: 0.000+/-0.000 χ^2/NDF:12639557.5/58

All: 0.000+/-0.000 χ^2/NDF: 23362565.7/110



Right In: 0.010+/-0.011 χ^2/NDF: 34.6/28

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

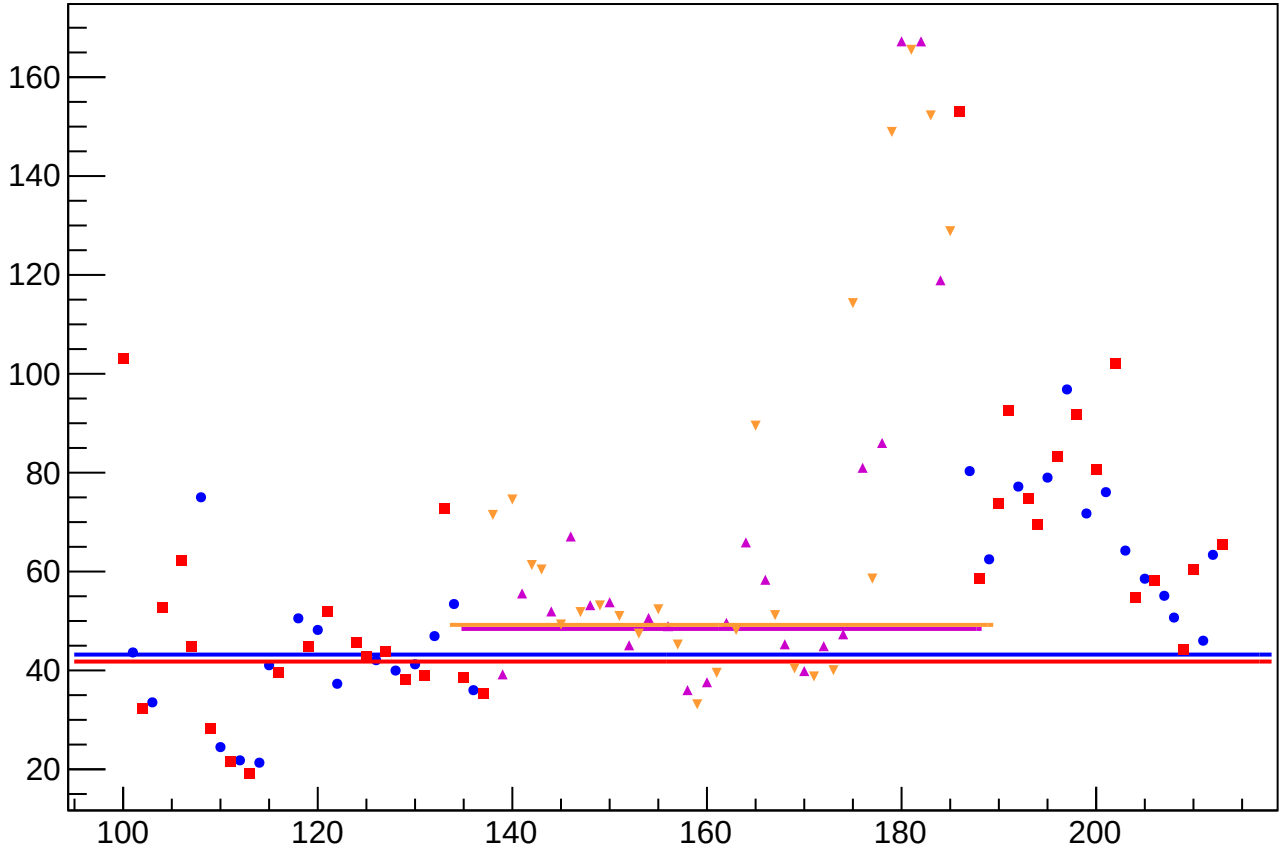
Right: 0.004+/-0.008 χ^2/NDF: 93.9/62

In: 0.006+/-0.008 χ^2/NDF:60.9/51

Out: -0.001+/-0.008 χ^2/NDF:89.2/58

All: 0.003+/-0.006 χ^2/NDF: 150.4/110

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.204+/-0.008 χ^2/NDF: 4433397.3/28

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

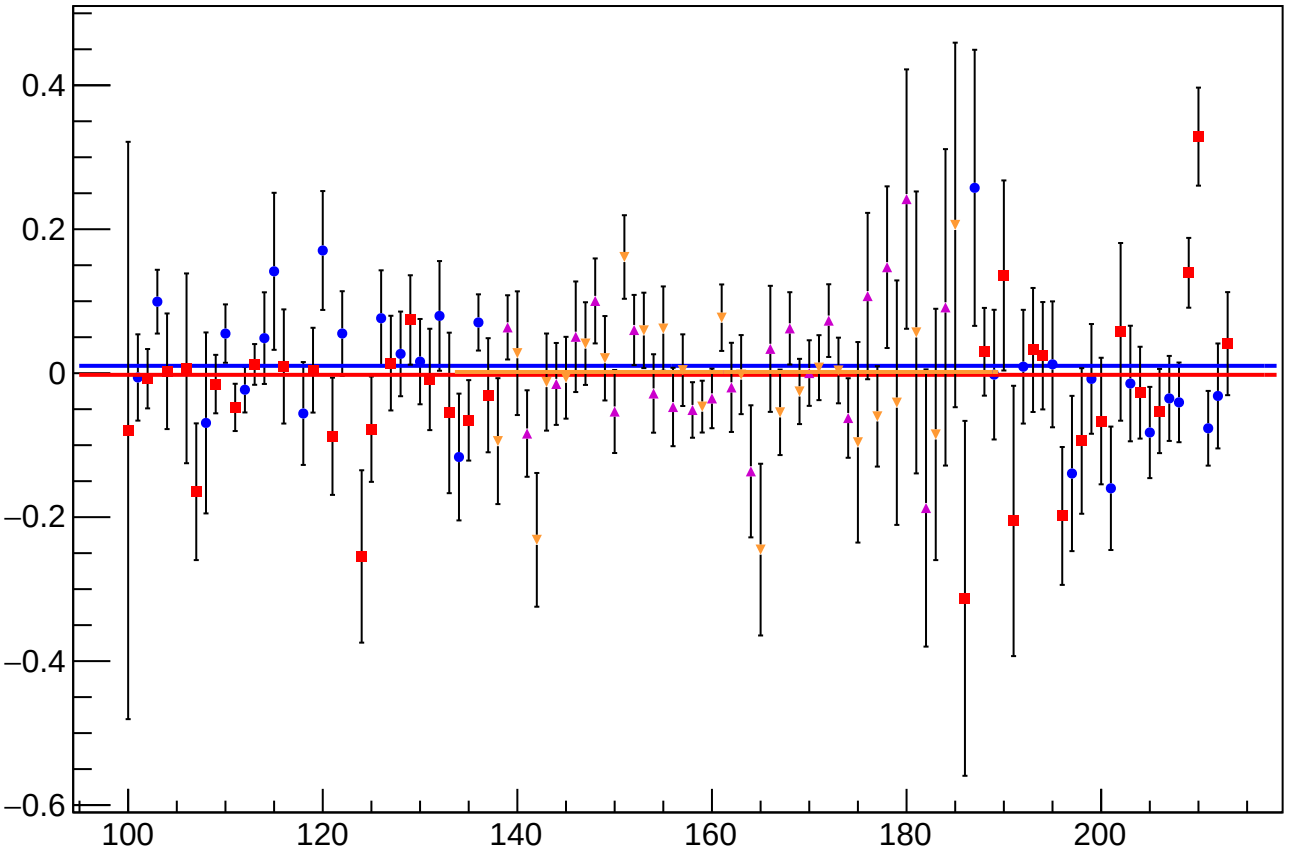
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 42.469+/-0.006 χ^2/NDF: 10916760.7/62

In: 45.604+/-0.006 χ^2/NDF:7655728.5/51

Out: 45.092+/-0.006 χ^2/NDF:11044107.4/58

All: 45.341+/-0.004 χ^2/NDF: 18703629.2/110



Right In: 0.010+/-0.011 χ^2/NDF: 34.6/28

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

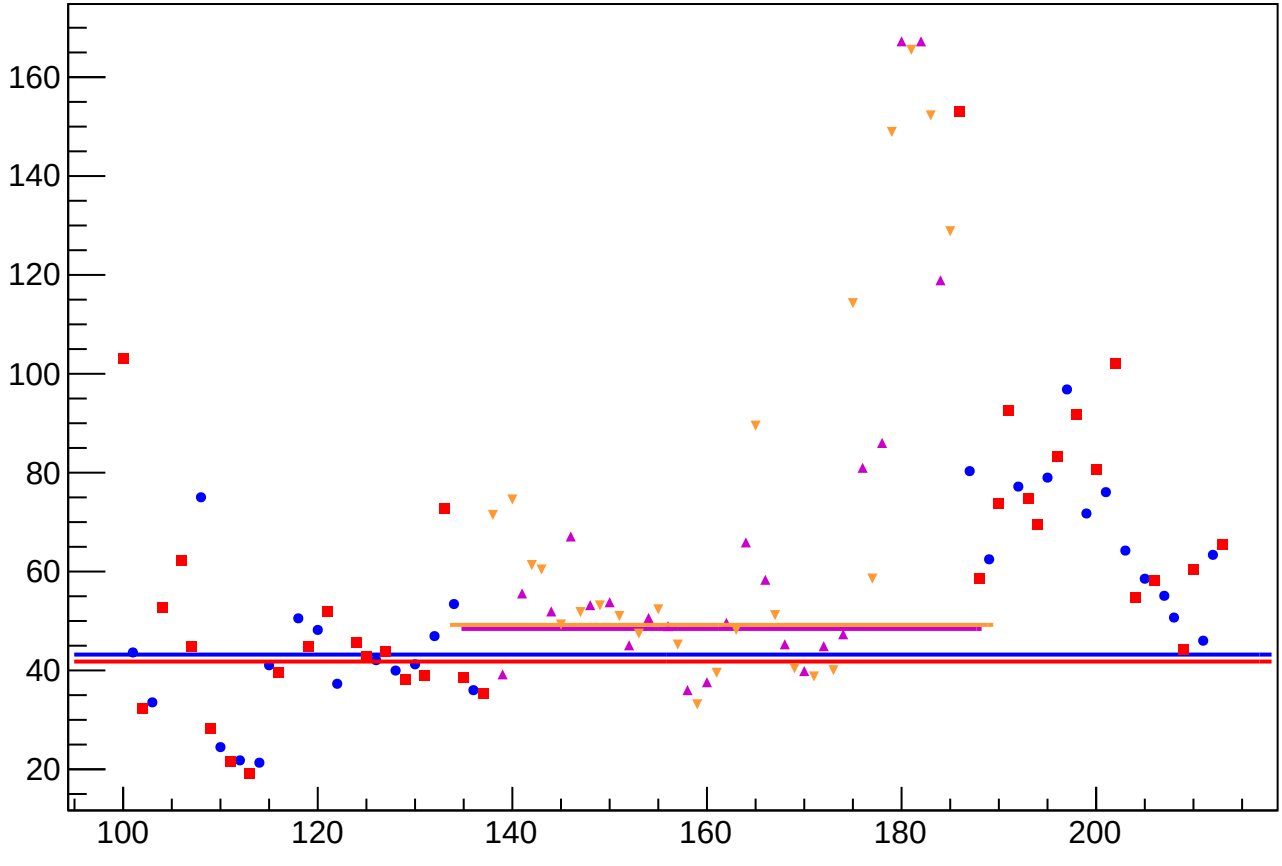
Right: 0.004+/-0.008 χ^2/NDF: 93.9/62

In: 0.006+/-0.008 χ^2/NDF:60.9/51

Out: -0.001+/-0.008 χ^2/NDF:89.2/58

All: 0.003+/-0.006 χ^2/NDF: 150.4/110

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.204+/-0.008 χ^2/NDF: 4433397.3/28

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

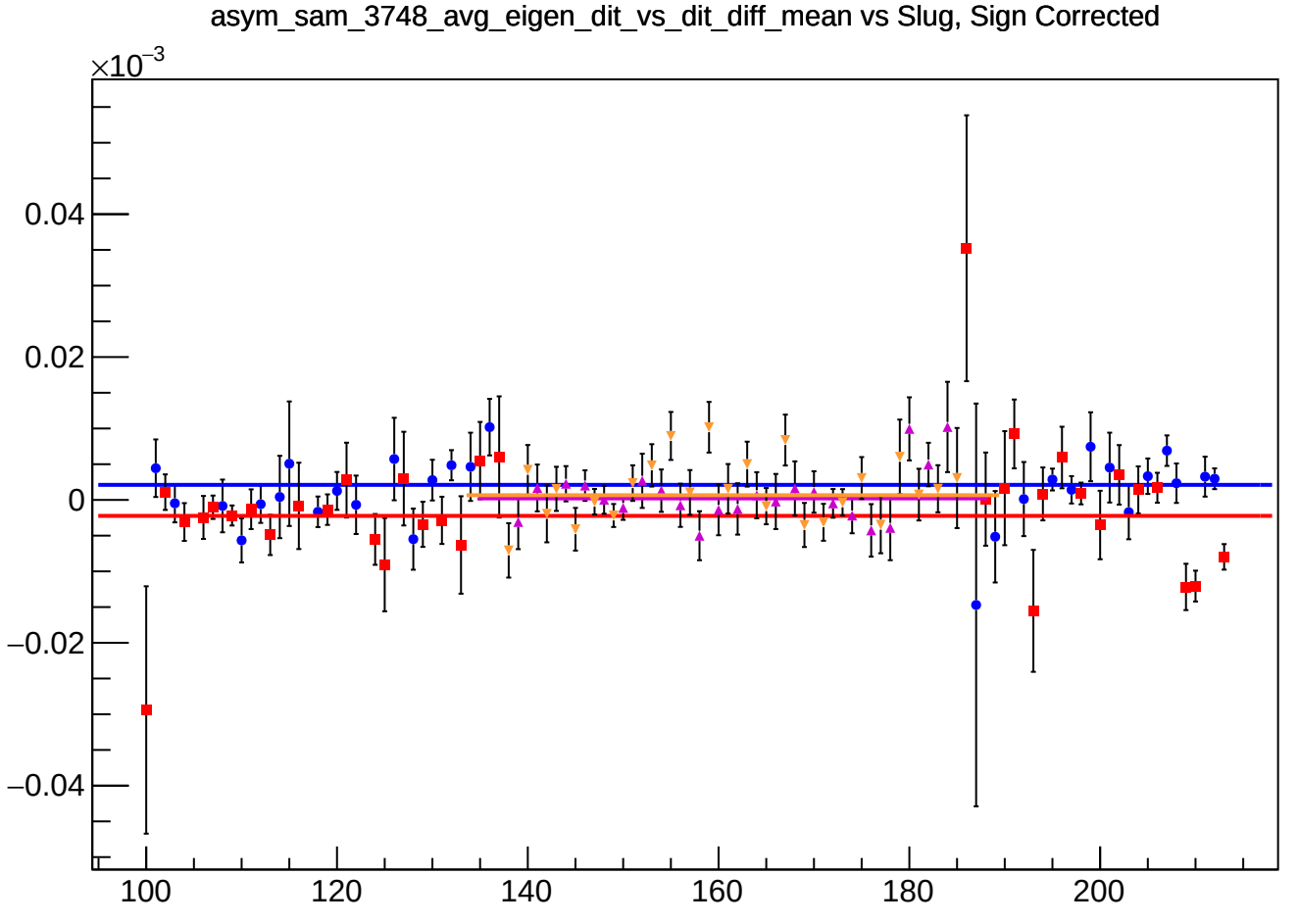
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 42.469+/-0.006 χ^2/NDF: 10916760.7/62

In: 45.604+/-0.006 χ^2/NDF:7655728.5/51

Out: 45.092+/-0.006 χ^2/NDF:11044107.4/58

All: 45.341+/-0.004 χ^2/NDF: 18703629.2/110



Right In: 0.000+/-0.000 χ^2/NDF: 33.4/28

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

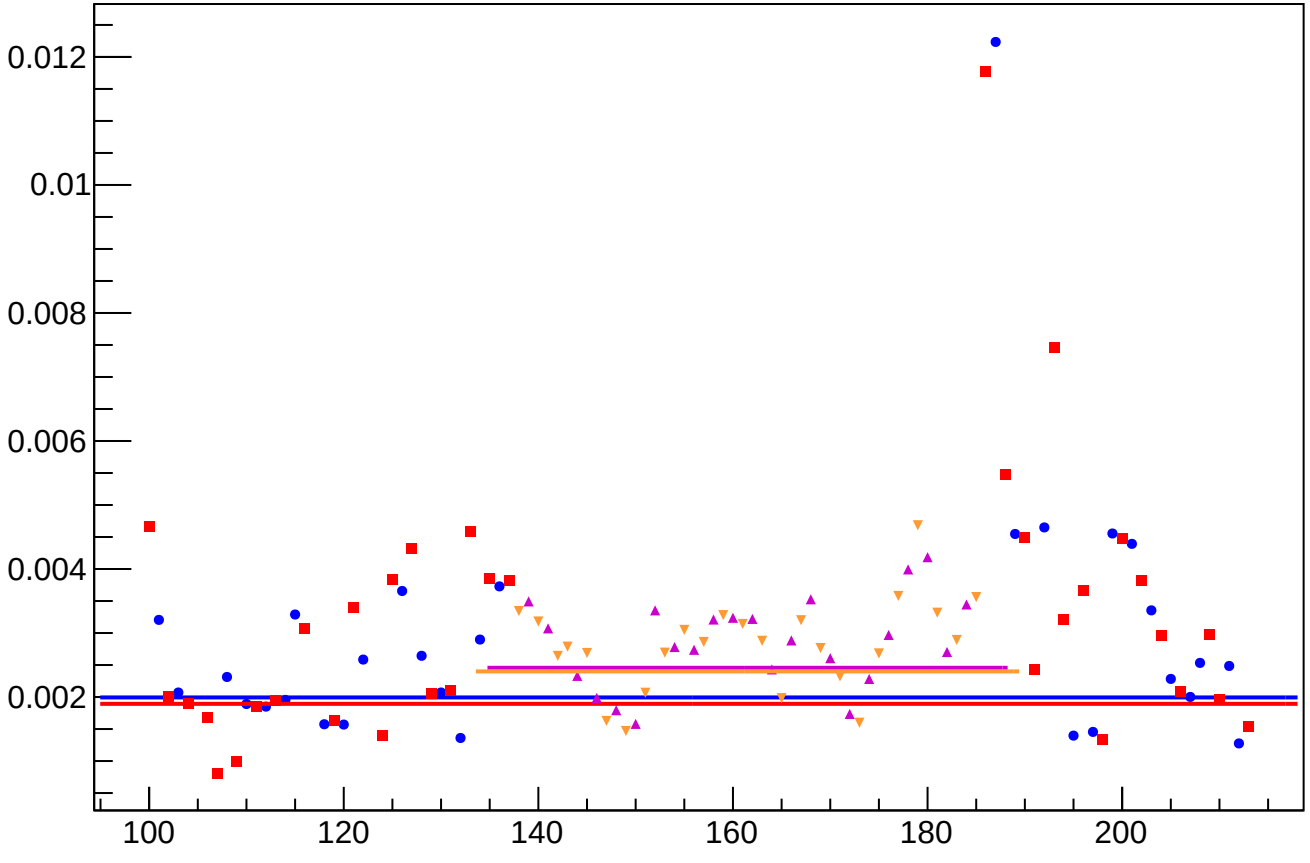
Right: -0.000+/-0.000 χ^2/NDF: 149.9/62

In: 0.000+/-0.000 χ^2/NDF:58.7/51

Out: -0.000+/-0.000 χ^2/NDF:137.4/58

All: 0.000+/-0.000 χ^2/NDF: 212.9/110

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4793889.0/28

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7877111.5/33

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

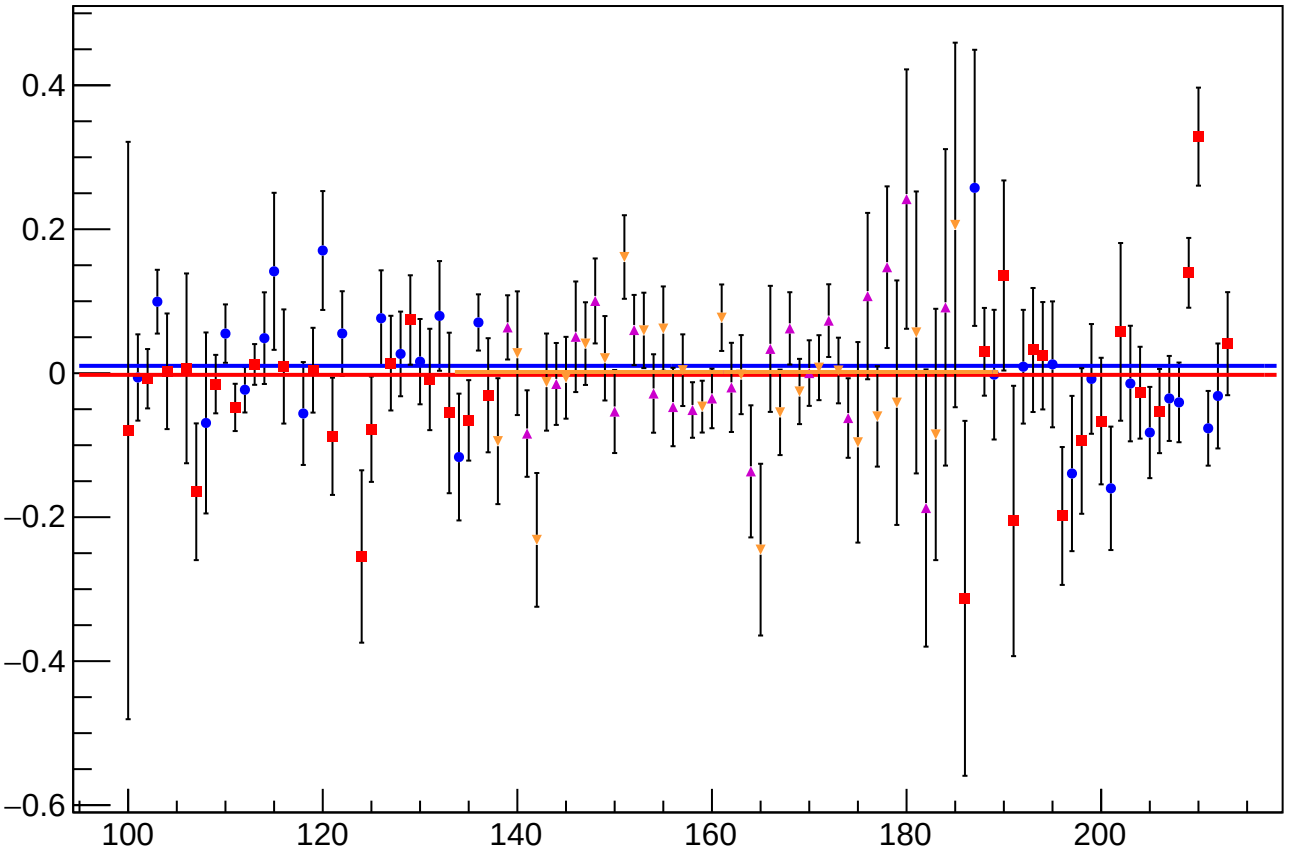
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 12708312.5/62

In: 0.002+/-0.000 χ^2/NDF:8091121.9/51

Out: 0.002+/-0.000 χ^2/NDF:11881067.8/58

All: 0.002+/-0.000 χ^2/NDF: 20015889.7/110



Right In: 0.010+/-0.011 χ^2/NDF: 34.6/28

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

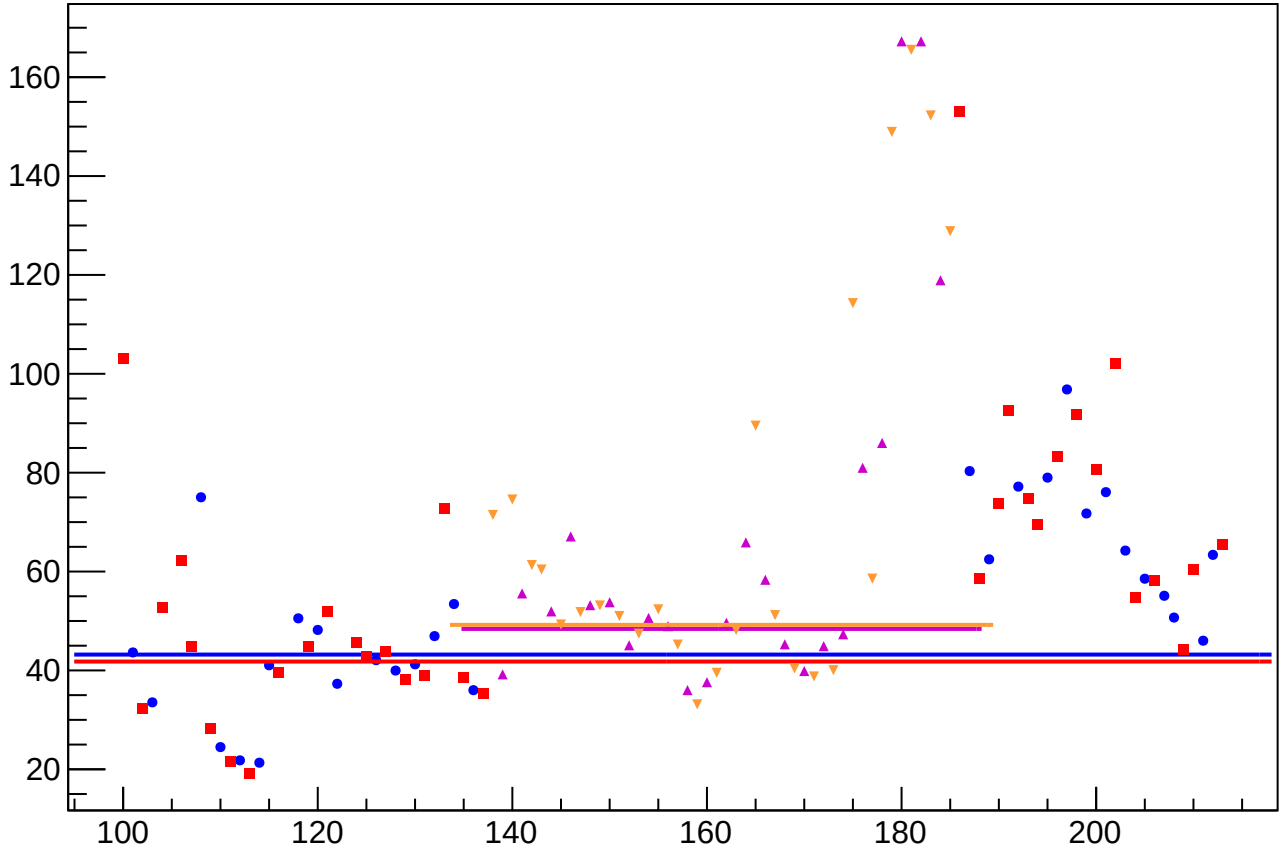
Right: 0.004+/-0.008 χ^2/NDF: 93.9/62

In: 0.006+/-0.008 χ^2/NDF:60.9/51

Out: -0.001+/-0.008 χ^2/NDF:89.2/58

All: 0.003+/-0.006 χ^2/NDF: 150.4/110

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.205+/-0.008 χ^2/NDF: 4433267.4/28

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

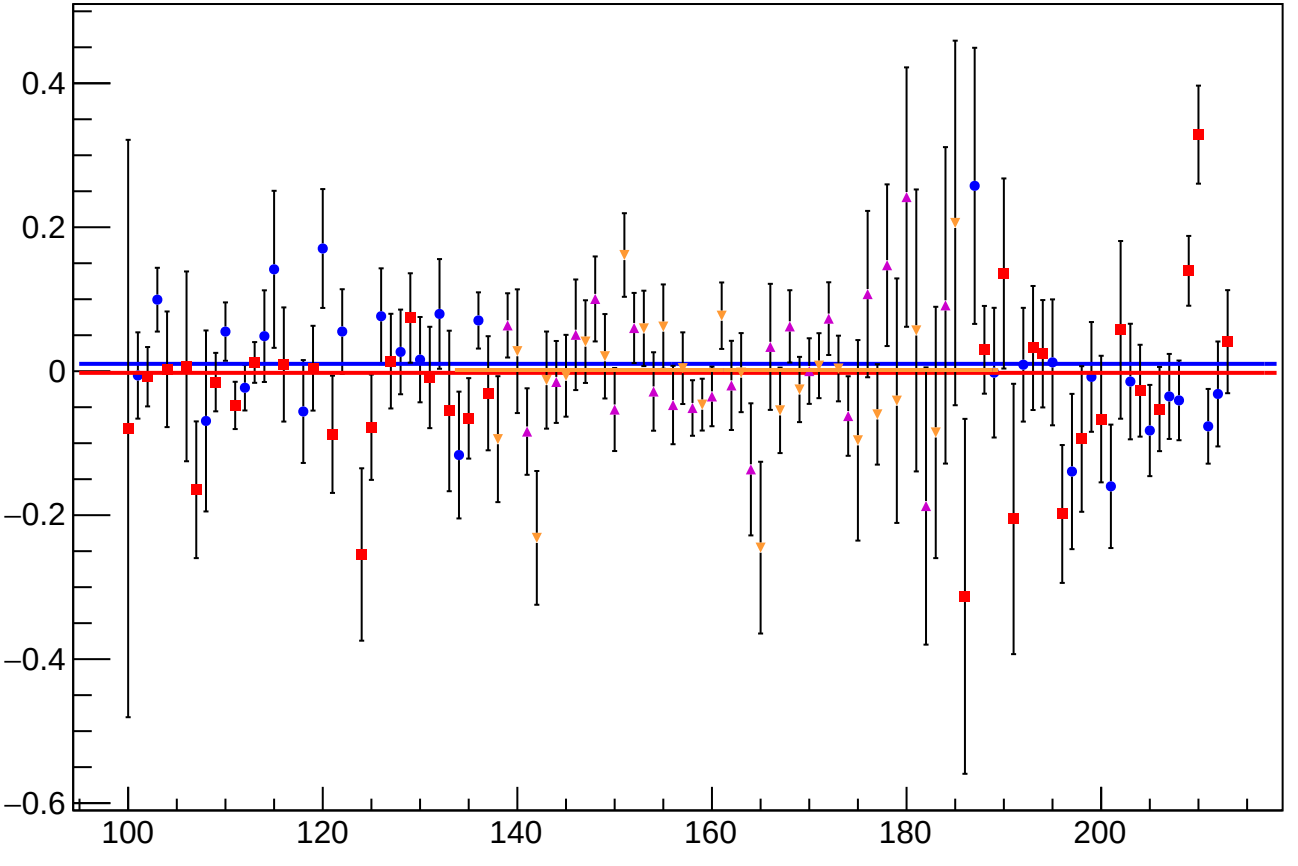
Right: 42.470+/-0.006 χ^2/NDF: 10916541.5/62

In: 45.604+/-0.006 χ^2/NDF:7655576.4/51

Out: 45.093+/-0.006 χ^2/NDF:11043998.2/58

All: 45.342+/-0.004 χ^2/NDF: 18703367.1/110

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.011 χ^2/NDF: 34.6/28

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

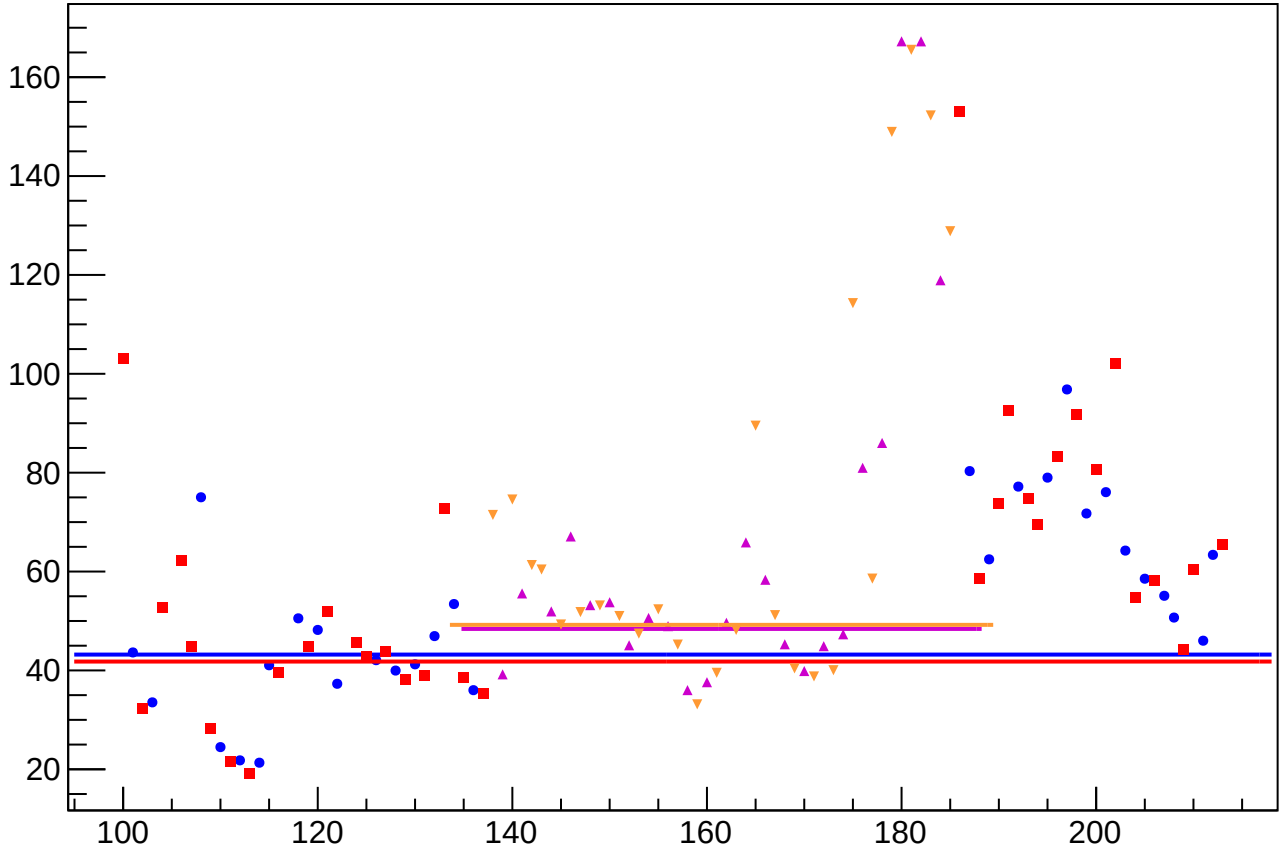
Right: 0.004+/-0.008 χ^2/NDF: 93.9/62

In: 0.006+/-0.008 χ^2/NDF:60.9/51

Out: -0.001+/-0.008 χ^2/NDF:89.2/58

All: 0.003+/-0.006 χ^2/NDF: 150.4/110

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.205+/-0.008 χ^2/NDF: 4433267.4/28

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

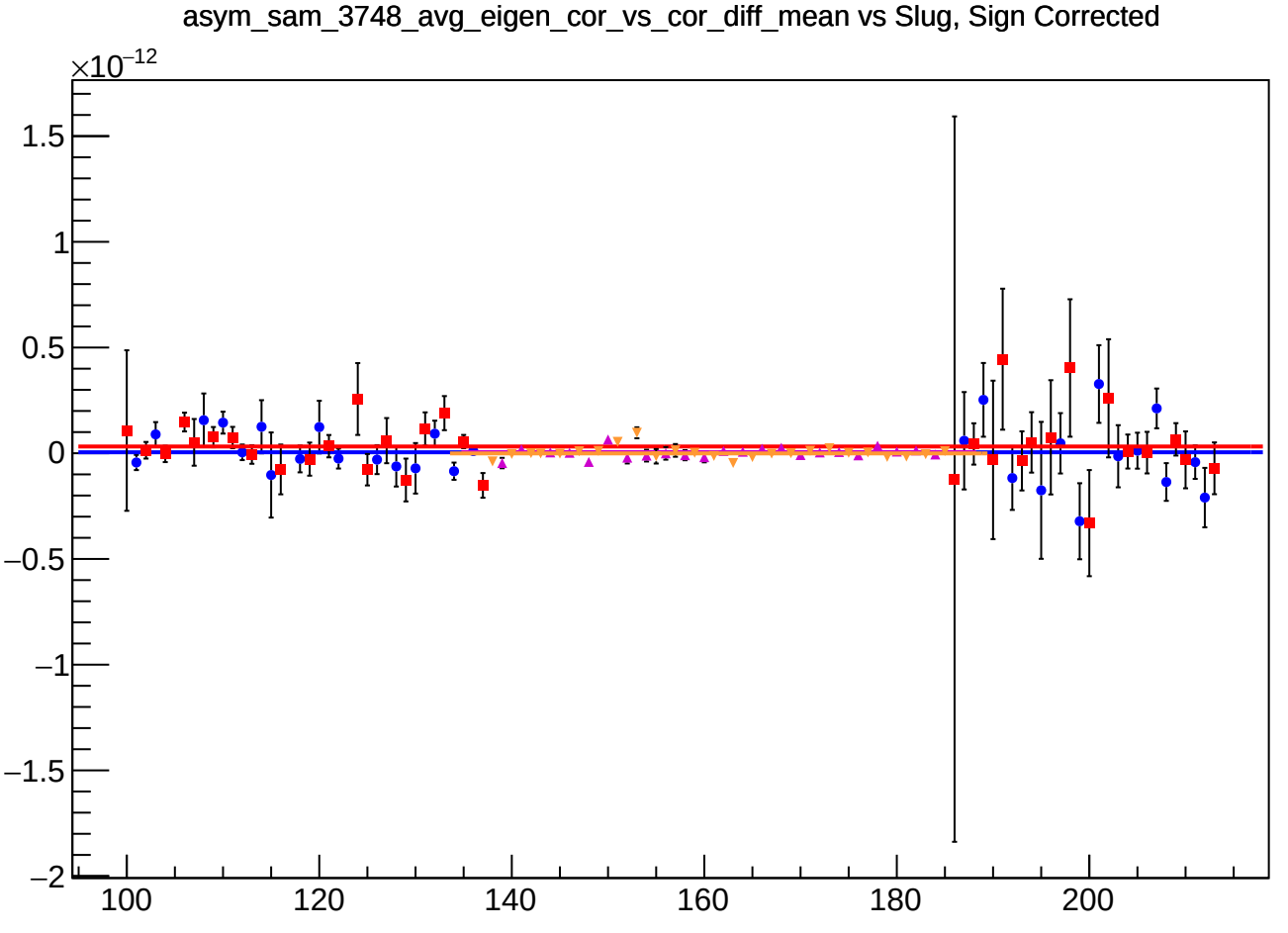
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 42.470+/-0.006 χ^2/NDF: 10916541.5/62

In: 45.604+/-0.006 χ^2/NDF:7655576.4/51

Out: 45.093+/-0.006 χ^2/NDF:11043998.2/58

All: 45.342+/-0.004 χ^2/NDF: 18703367.1/110



Right In: 0.000+/-0.000 χ^2/NDF: 43.1/28

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

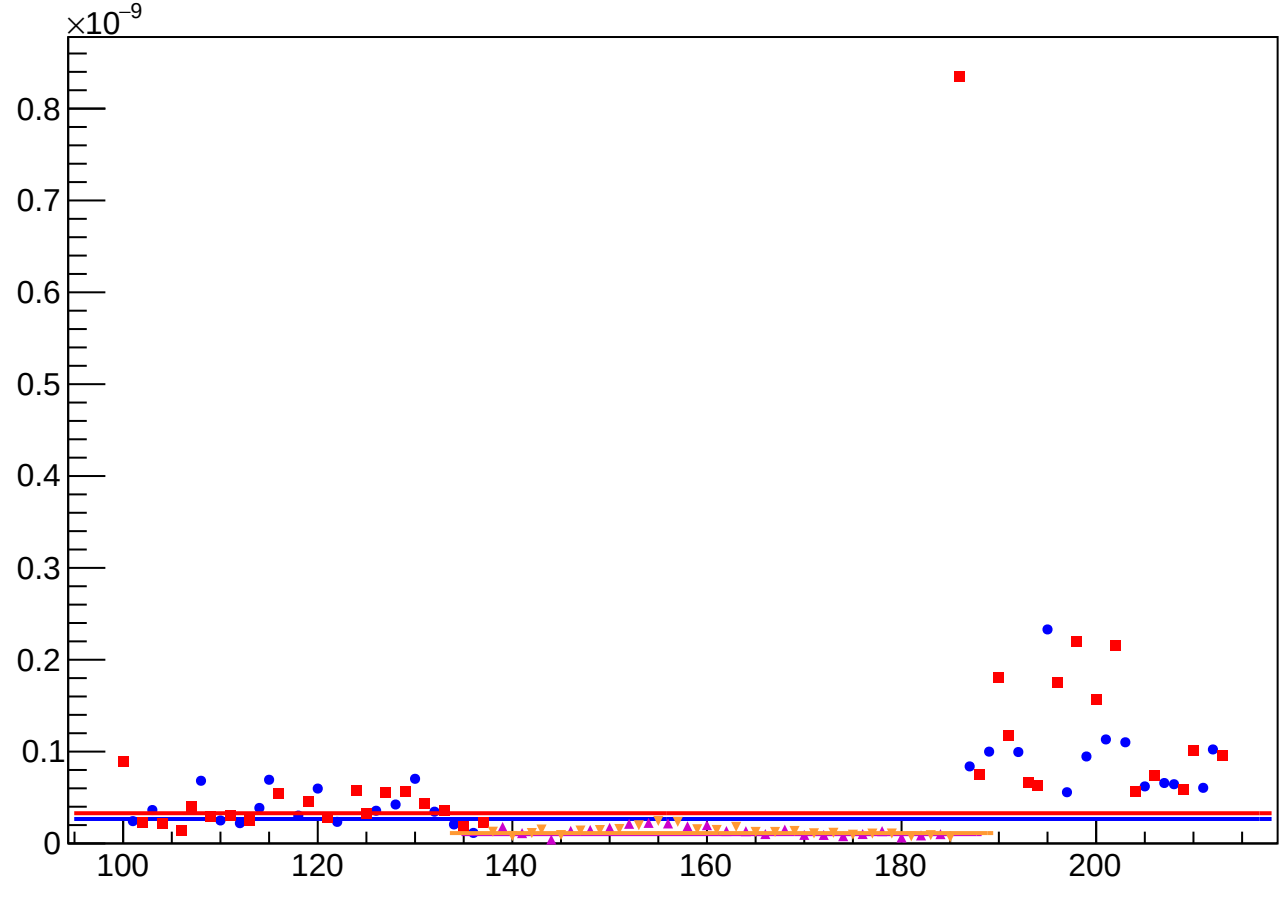
Right: 0.000+/-0.000 χ^2/NDF: 86.7/62

In: 0.000+/-0.000 χ^2/NDF:71.6/51

Out: 0.000+/-0.000 χ^2/NDF:84.4/58

All: 0.000+/-0.000 χ^2/NDF: 156.7/110

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7758192.6/28

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

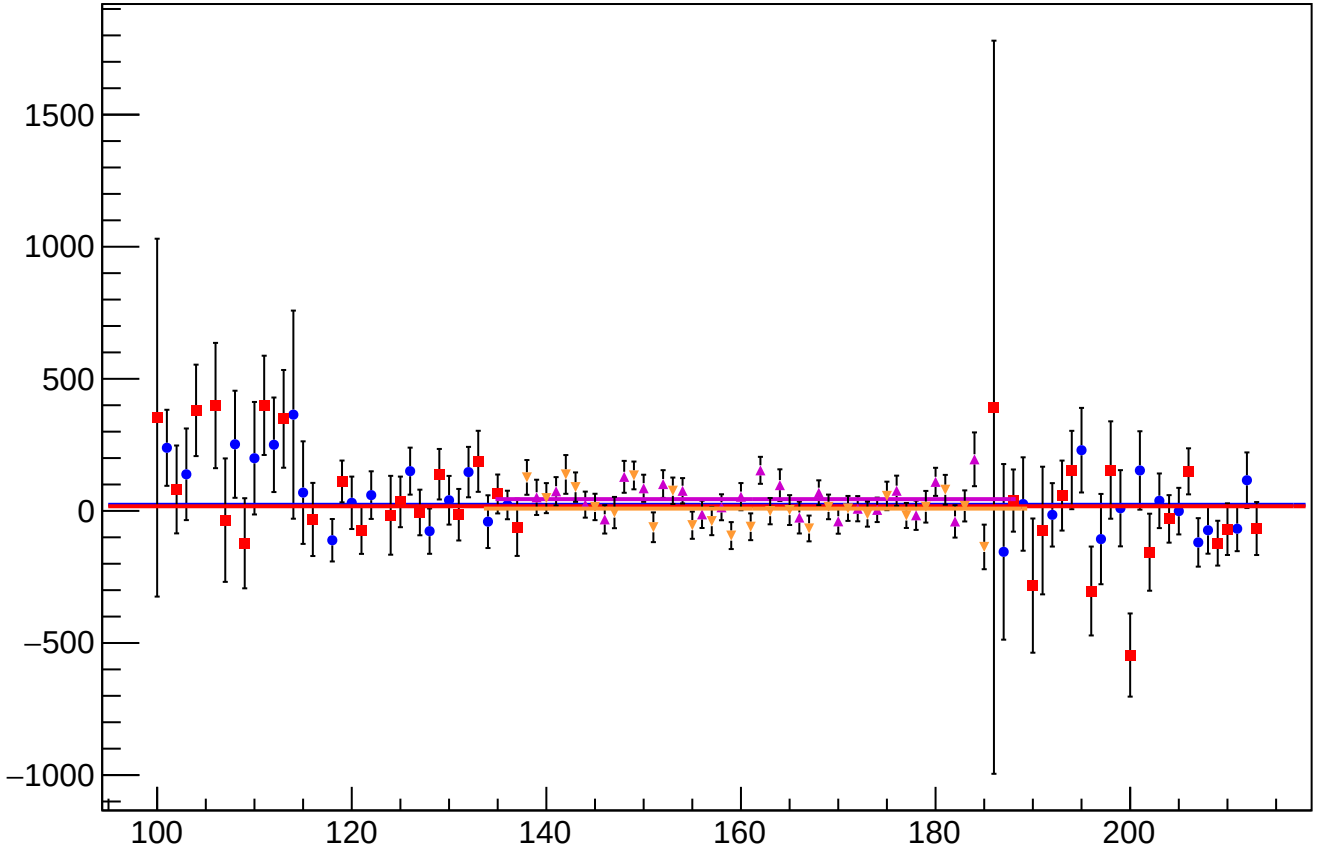
Right: 0.000+/-0.000 χ^2/NDF: 15563190.3/62

In: 0.000+/-0.000 χ^2/NDF:16053888.5/51

Out: 0.000+/-0.000 χ^2/NDF:15556075.2/58

All: 0.000+/-0.000 χ^2/NDF: 31782107.9/110

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 23.156+/-20.087 χ^2/NDF: 24.6/28

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

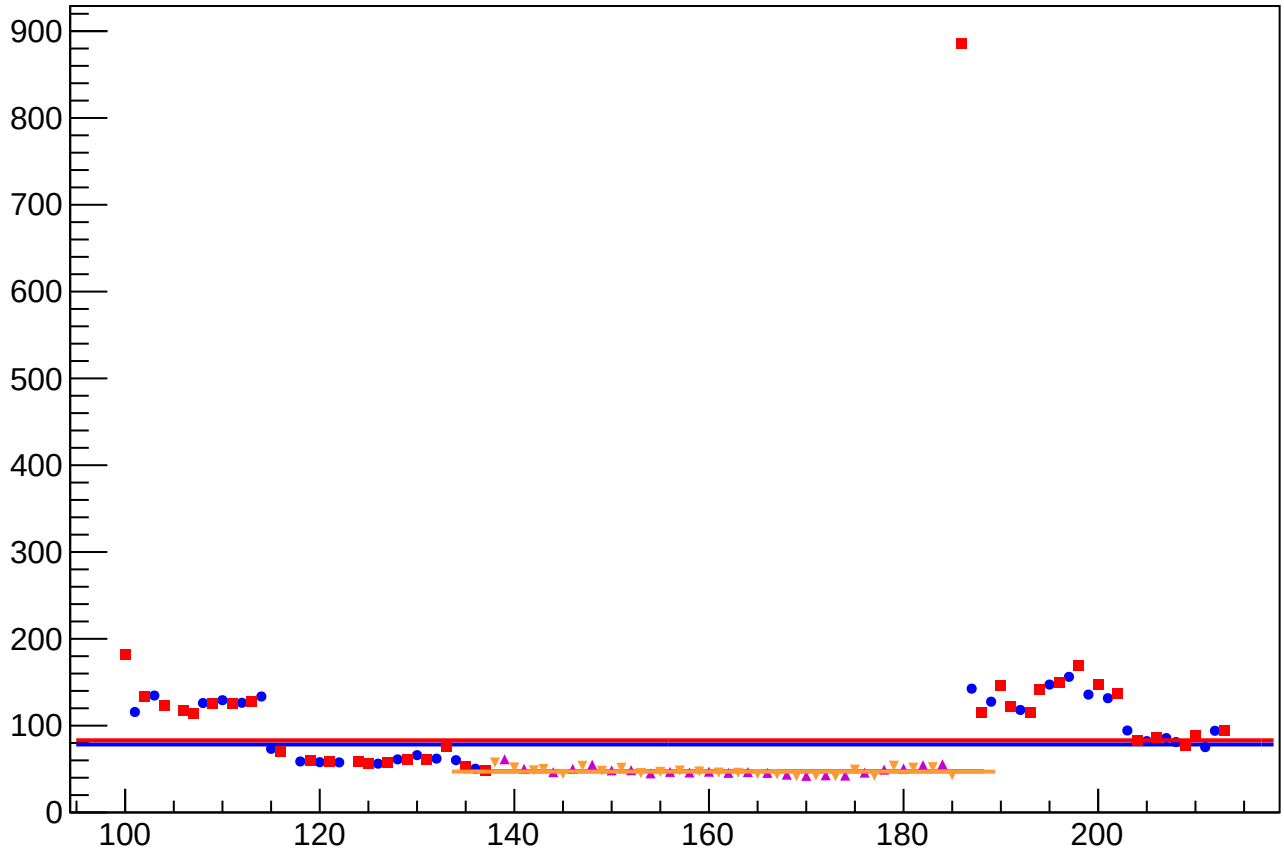
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 20.431+/-14.405 χ^2/NDF: 75.4/62

In: 39.505+/-9.748 χ^2/NDF:52.4/51

Out: 10.633+/-9.551 χ^2/NDF:85.5/58

All: 24.774+/-6.822 χ^2/NDF: 142.4/110



Right In: 78.302+/-0.014 χ^2/NDF: 3889515.6/28

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

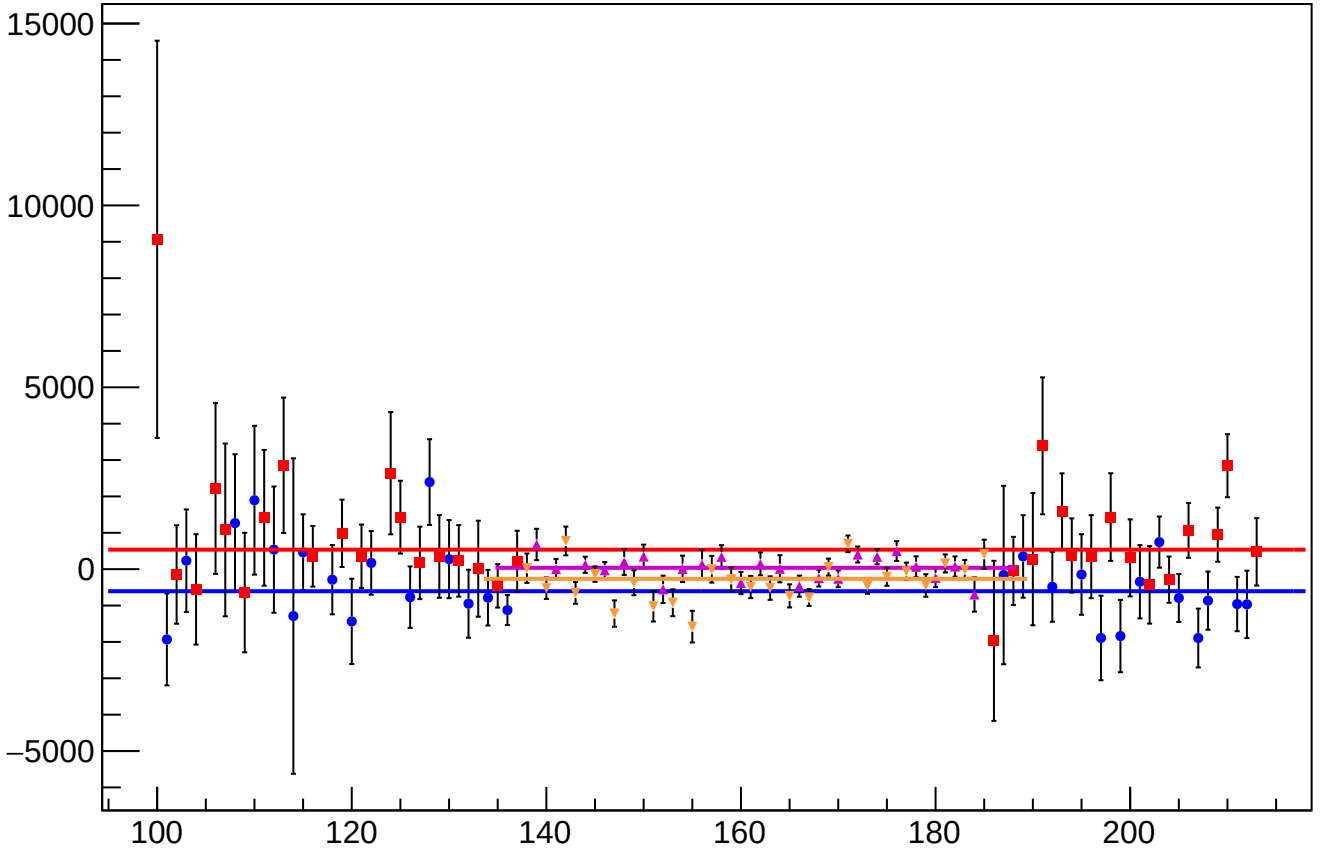
Right: 80.652+/-0.010 χ^2/NDF: 8973039.9/62

In: 54.665+/-0.007 χ^2/NDF:7783056.6/51

Out: 54.767+/-0.007 χ^2/NDF:10106539.9/58

All: 54.717+/-0.005 χ^2/NDF: 17889708.9/110

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -605.998+/-172.110 χ^2/NDF: 26.3/28

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

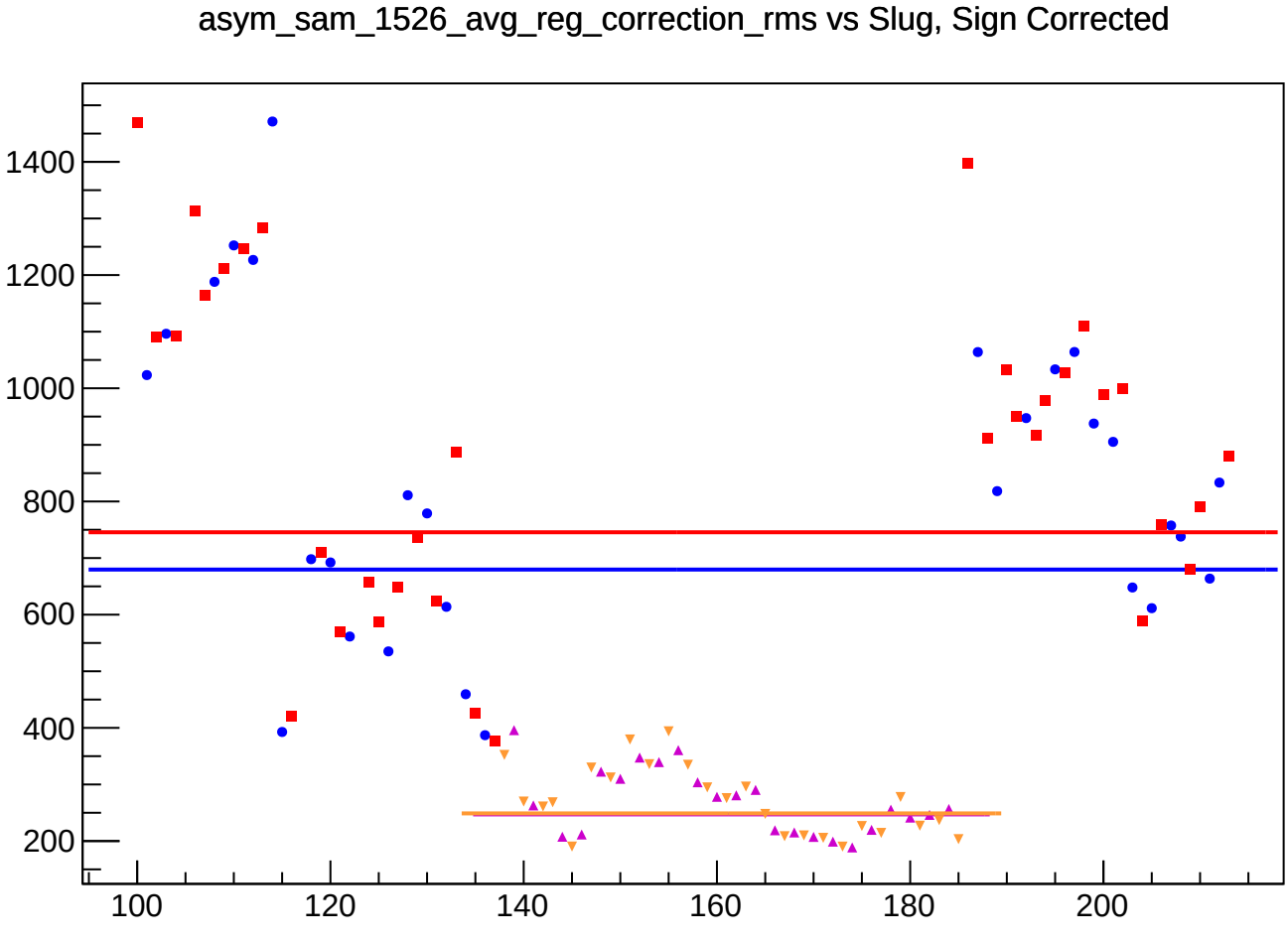
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -61.263+/-124.482 χ^2/NDF: 75.5/62

In: -30.469+/-55.947 χ^2/NDF:65.5/51

Out: -190.374+/-55.239 χ^2/NDF:115.9/58

All: -111.439+/-39.308 χ^2/NDF: 185.5/110



Right In: 679.693+/-0.122 χ^2/NDF: 3363657.8/28

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

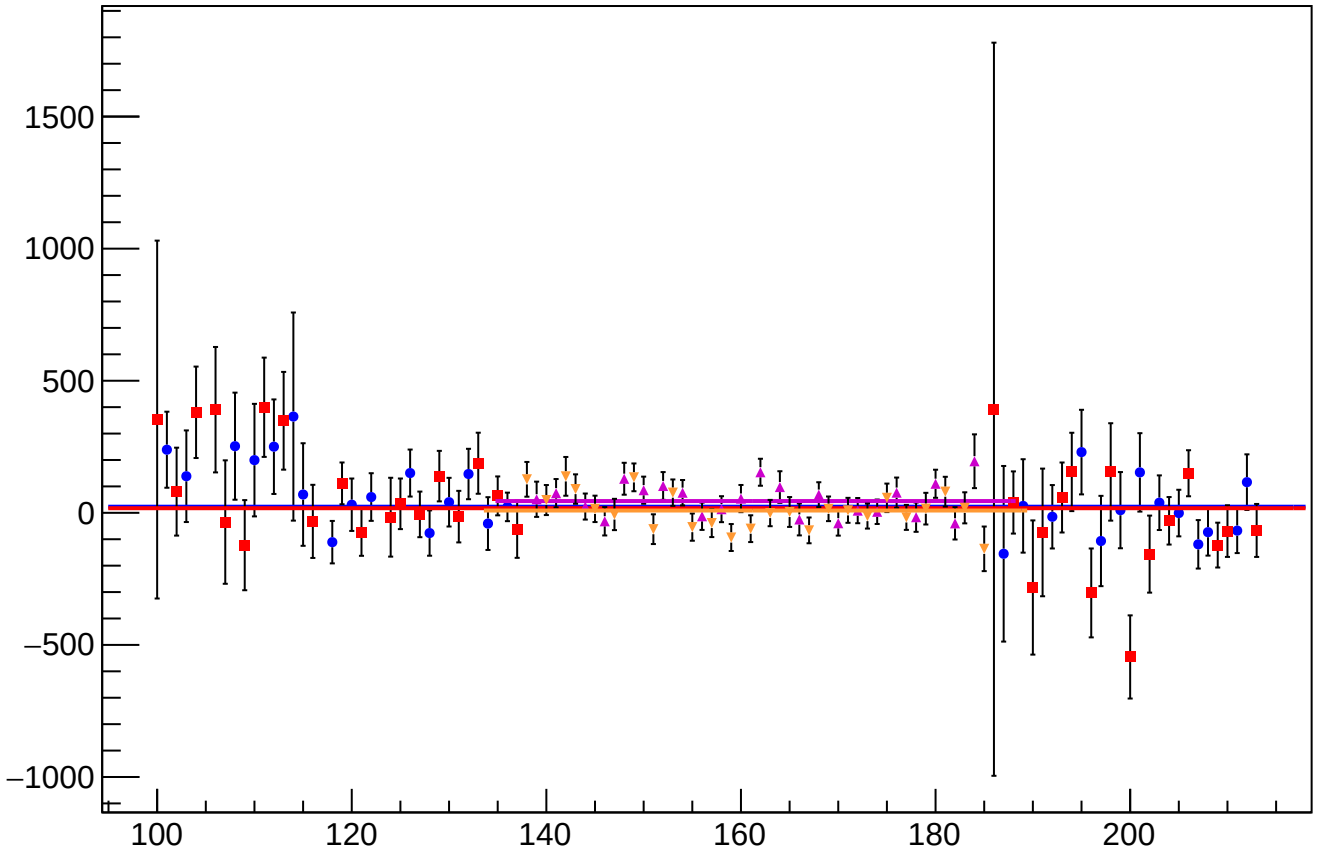
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 711.117+/-0.088 χ^2/NDF: 7079860.2/62

In: 292.819+/-0.040 χ^2/NDF:16147574.5/51

Out: 295.534+/-0.039 χ^2/NDF:18999056.7/58

All: 294.194+/-0.028 χ^2/NDF: 35149017.0/11



Right In: 23.149+/-20.087 χ^2/NDF: 24.6/28

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

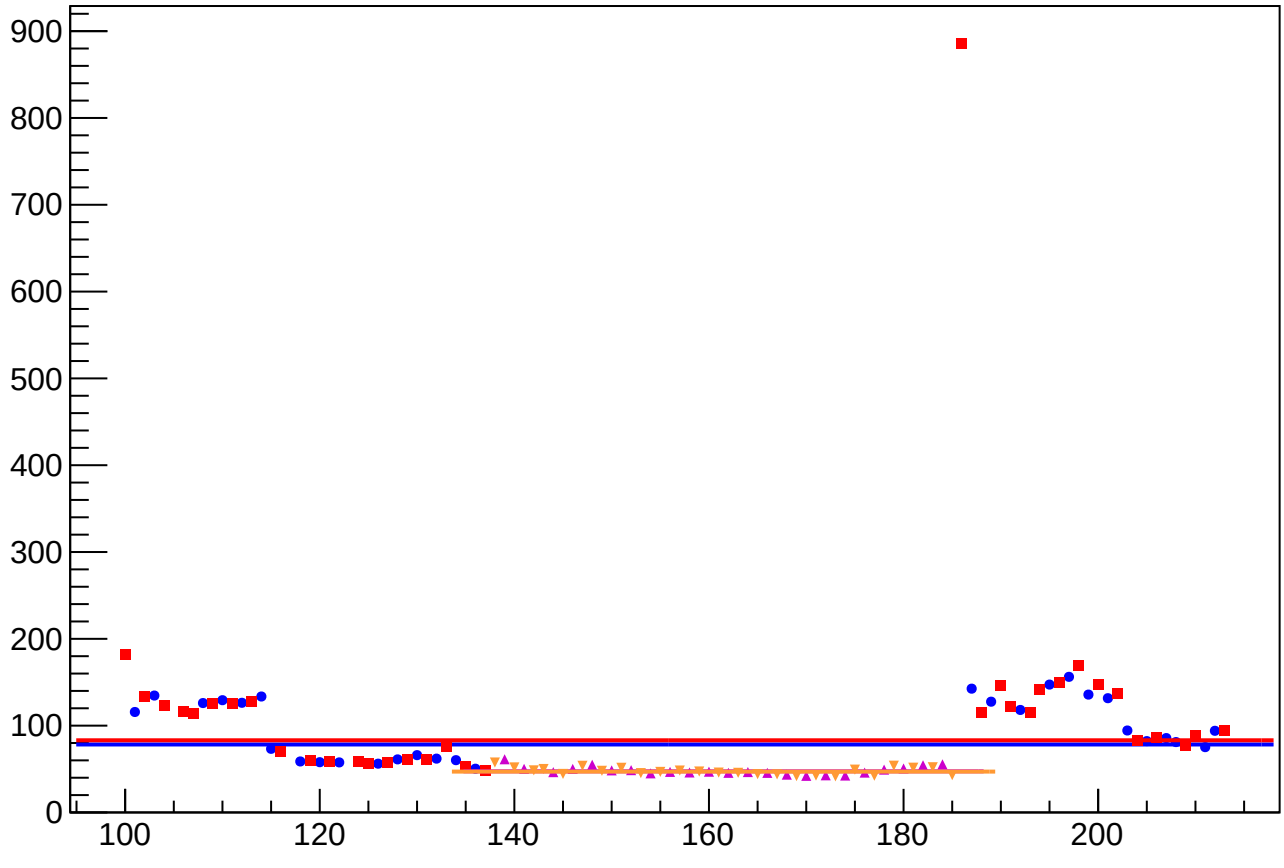
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 20.385+/-14.405 χ^2/NDF: 75.2/62

In: 39.503+/-9.748 χ^2/NDF:52.4/51

Out: 10.616+/-9.551 χ^2/NDF:85.4/58

All: 24.764+/-6.822 χ^2/NDF: 142.3/110



Right In: 78.302+/-0.014 χ^2/NDF: 3889517.9/28

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

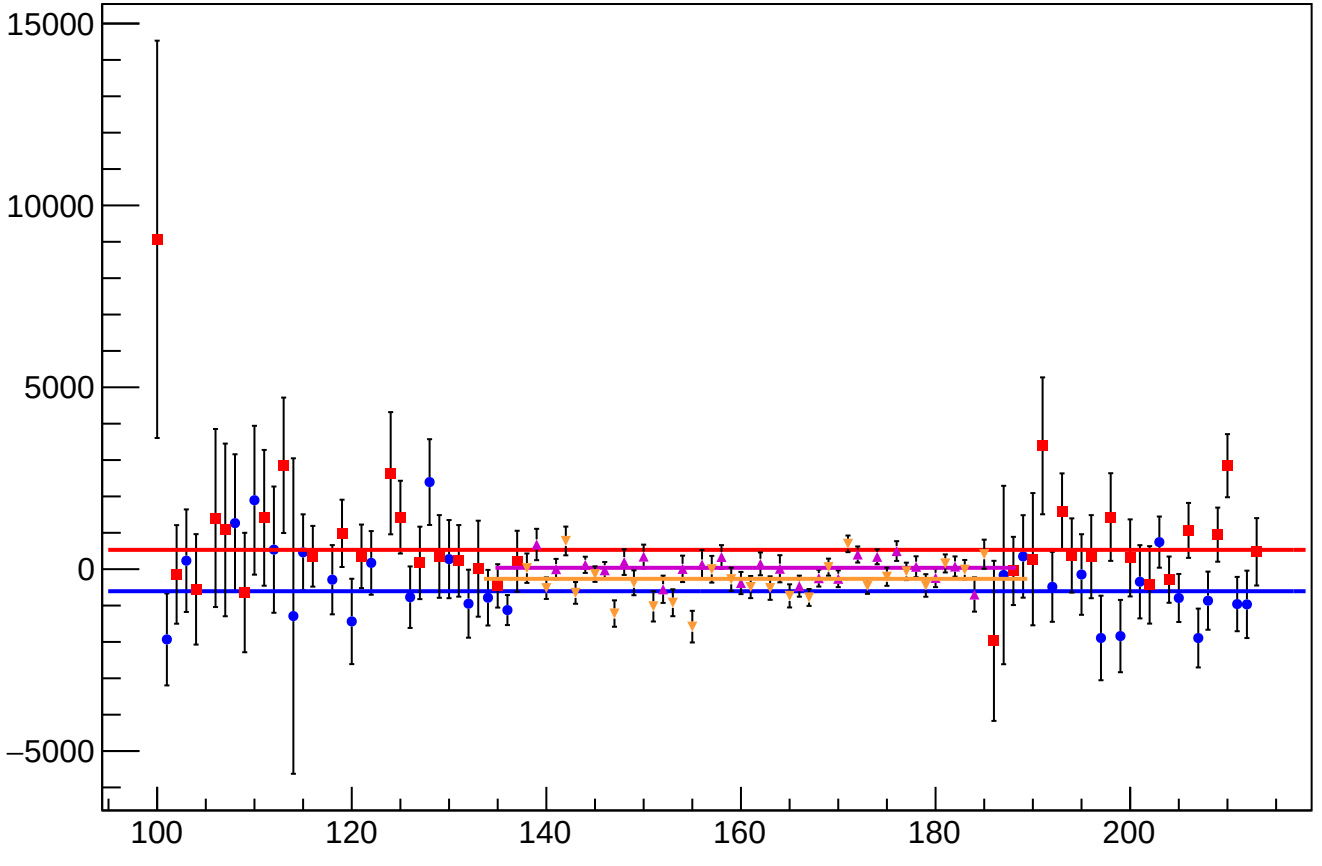
Right: 80.648+/-0.010 χ^2/NDF: 8970633.9/62

In: 54.665+/-0.007 χ^2/NDF:7783058.7/51

Out: 54.765+/-0.007 χ^2/NDF:10102059.9/58

All: 54.716+/-0.005 χ^2/NDF: 17885226.8/110

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -605.991+/-172.110 χ^2/NDF: 26.3/28

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

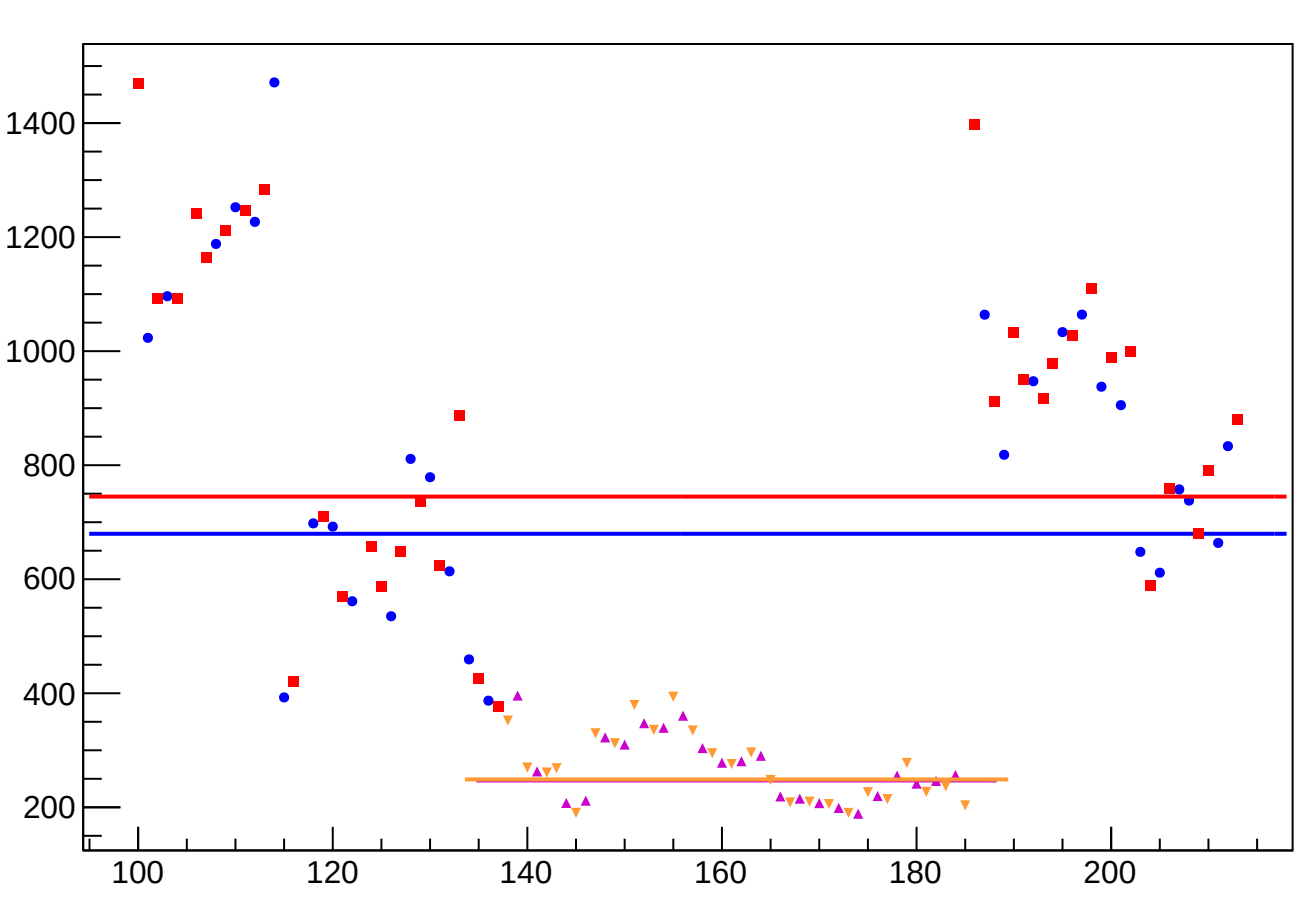
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -63.845+/-124.496 χ^2/NDF: 74.9/62

In: -30.471+/-55.947 χ^2/NDF:65.5/51

Out: -190.885+/-55.241 χ^2/NDF:115.3/58

All: -111.697+/-39.308 χ^2/NDF: 184.9/110



Right In: 679.693+/-0.122 χ^2/NDF: 3363698.3/28

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

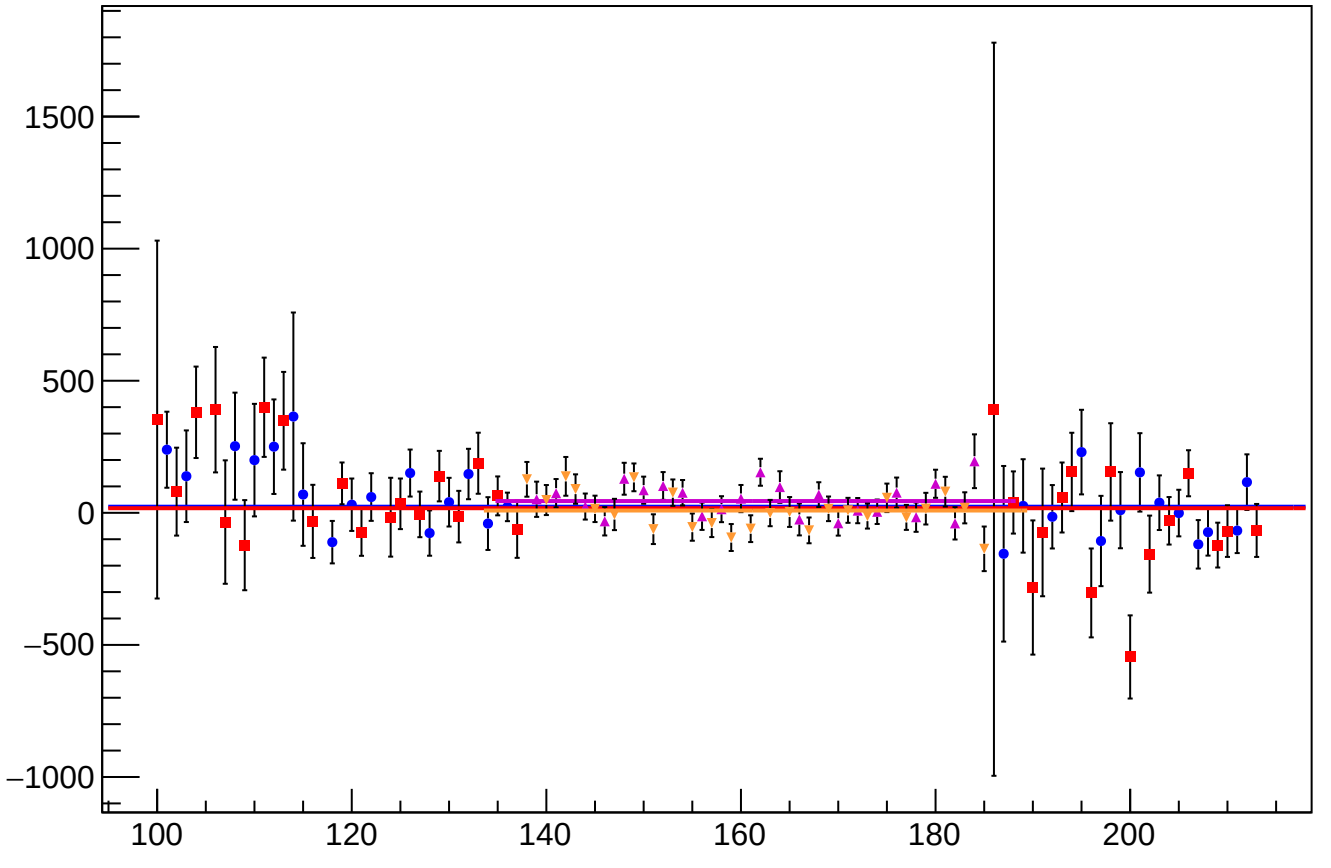
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 710.800+/-0.088 χ^2/NDF: 7042796.9/62

In: 292.819+/-0.040 χ^2/NDF:16147588.0/51

Out: 295.452+/-0.039 χ^2/NDF:18922799.8/58

All: 294.152+/-0.028 χ^2/NDF: 35072632.1/11



Right In: 23.149+/-20.087 χ^2/NDF: 24.6/28

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

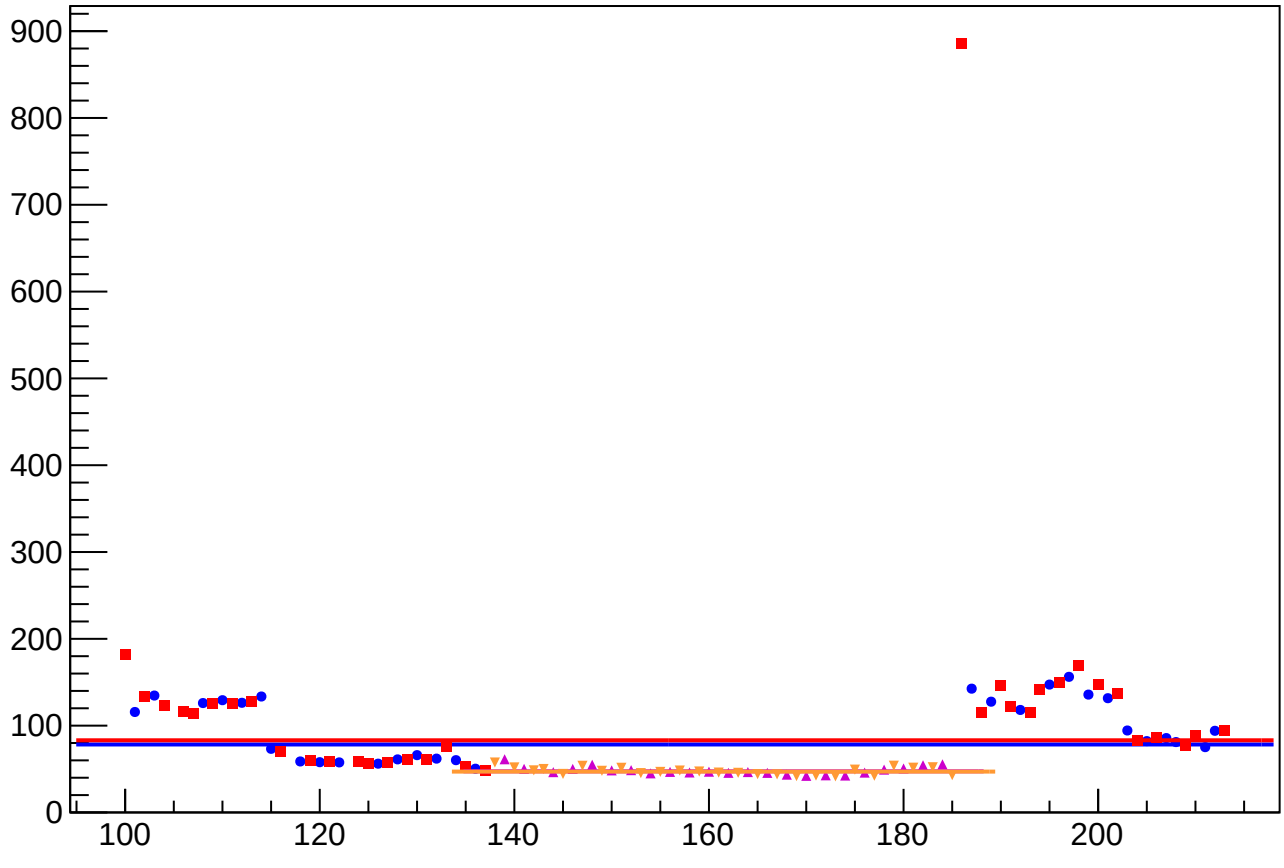
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 20.385+/-14.405 χ^2/NDF: 75.2/62

In: 39.503+/-9.748 χ^2/NDF:52.4/51

Out: 10.616+/-9.551 χ^2/NDF:85.4/58

All: 24.764+/-6.822 χ^2/NDF: 142.3/110



Right In: 78.302+/-0.014 χ^2/NDF: 3889517.9/28

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

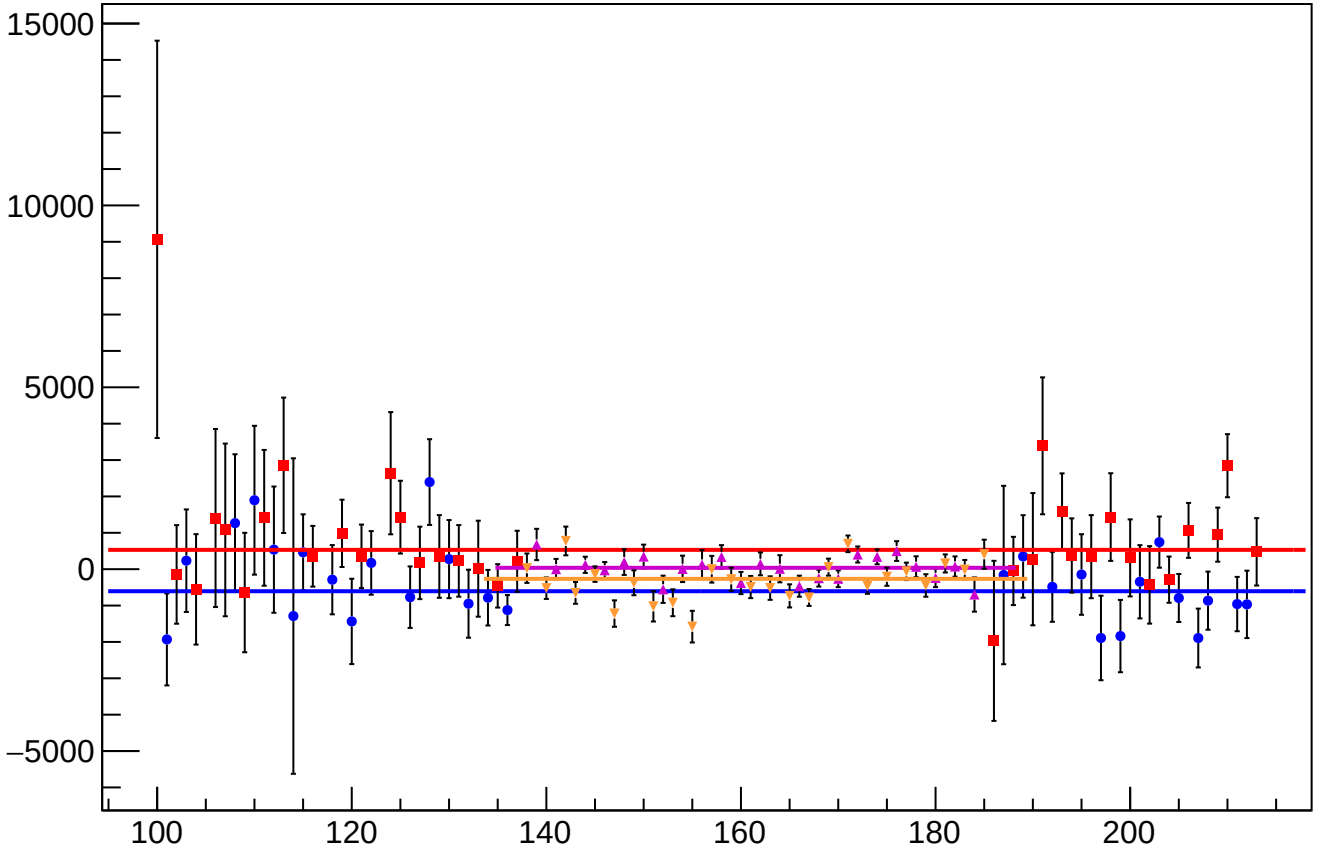
Right: 80.648+/-0.010 χ^2/NDF: 8970633.9/62

In: 54.665+/-0.007 χ^2/NDF:7783058.7/51

Out: 54.765+/-0.007 χ^2/NDF:10102059.9/58

All: 54.716+/-0.005 χ^2/NDF: 17885226.8/110

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -605.991+/-172.110 χ^2/NDF: 26.3/28

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

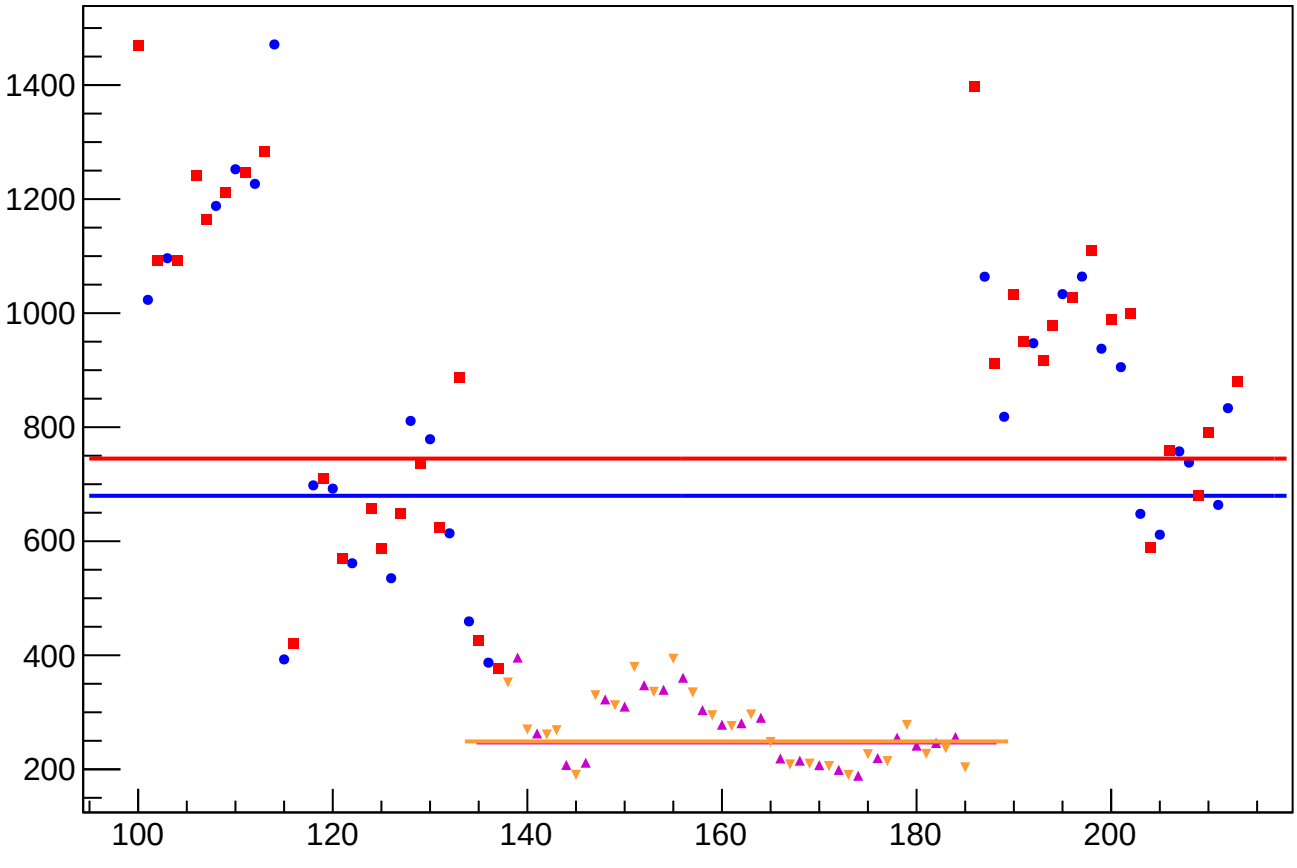
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -63.845+/-124.496 χ^2/NDF: 74.9/62

In: -30.471+/-55.947 χ^2/NDF:65.5/51

Out: -190.885+/-55.241 χ^2/NDF:115.3/58

All: -111.697+/-39.308 χ^2/NDF: 184.9/110



Right In: 679.693+/-0.122 χ^2/NDF: 3363698.3/28

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

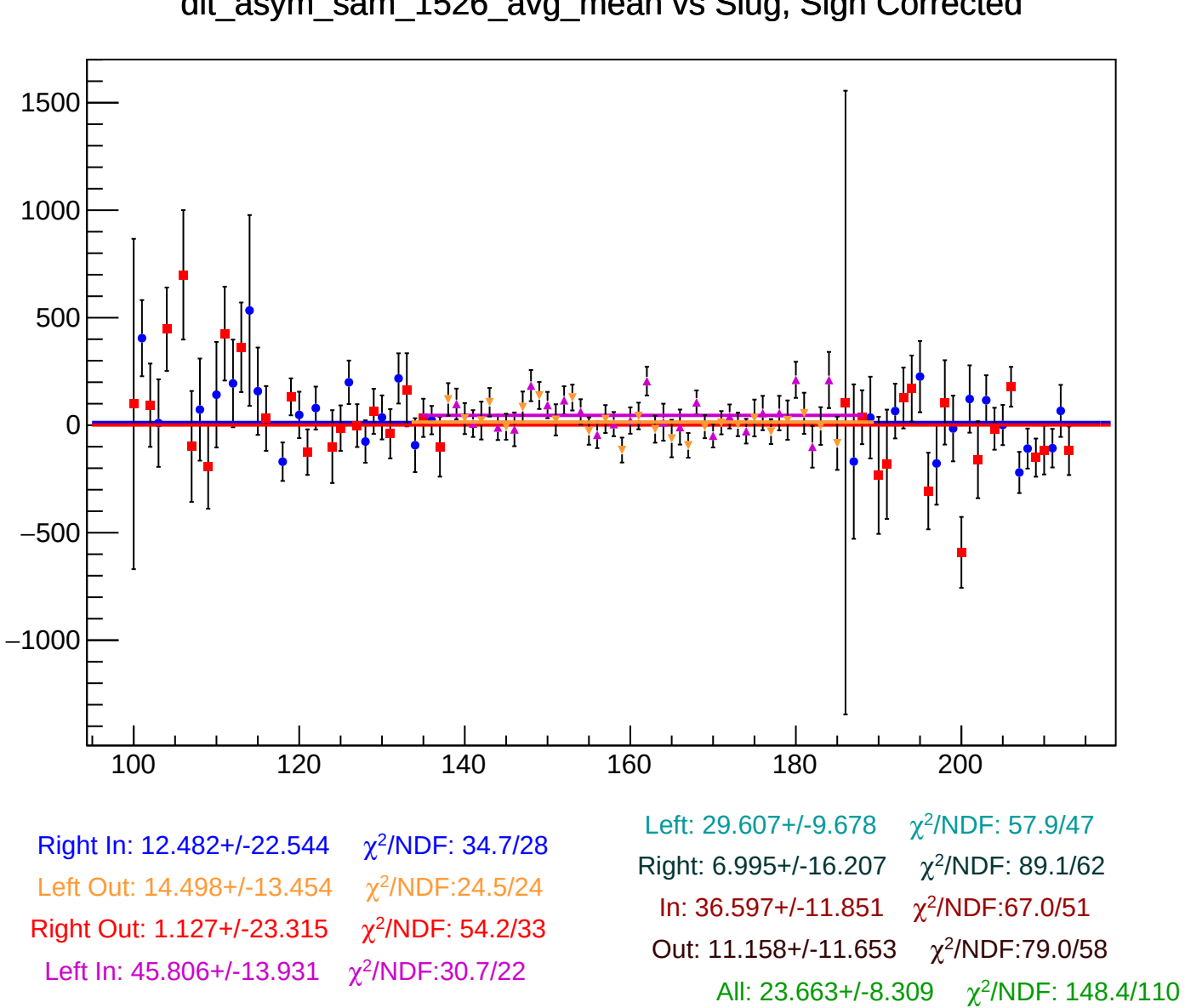
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

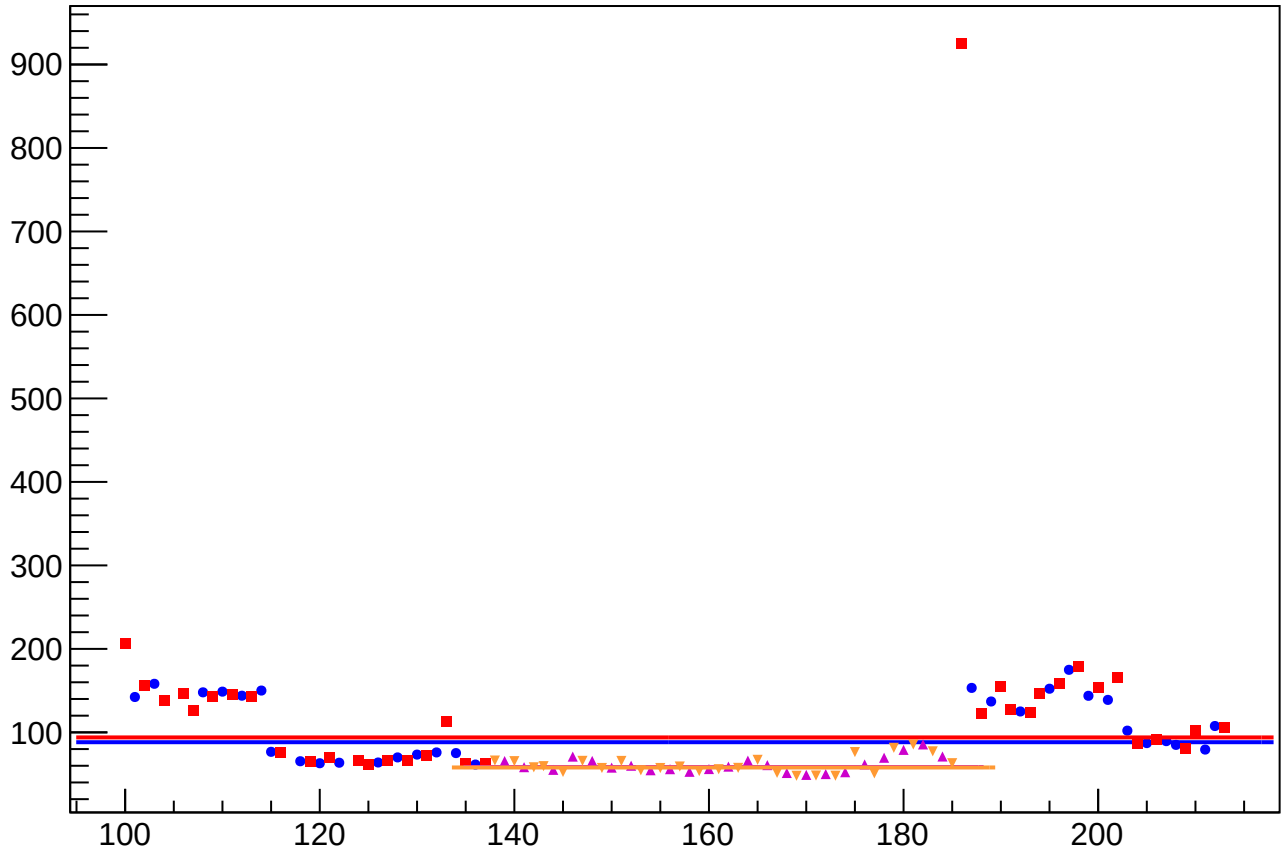
Right: 710.800+/-0.088 χ^2/NDF: 7042796.9/62

In: 292.819+/-0.040 χ^2/NDF:16147588.0/51

Out: 295.452+/-0.039 χ^2/NDF:18922799.8/58

All: 294.152+/-0.028 χ^2/NDF: 35072632.1/11


dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 12.482+/-22.544 χ²/NDF: 34.7/28
Left Out: 14.498+/-13.454 χ²/NDF:24.5/24
Right Out: 1.127+/-23.315 χ²/NDF: 54.2/33
Left In: 45.806+/-13.931 χ²/NDF:30.7/22
Left: 29.607+/-9.678 χ²/NDF: 57.9/47
Right: 6.995+/-16.207 χ²/NDF: 89.1/62
In: 36.597+/-11.851 χ²/NDF:67.0/51
Out: 11.158+/-11.653 χ²/NDF:79.0/58
All: 23.663+/-8.309 χ²/NDF: 148.4/110



Right In: 88.217+/-0.016 χ^2/NDF: 3472910.3/28

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

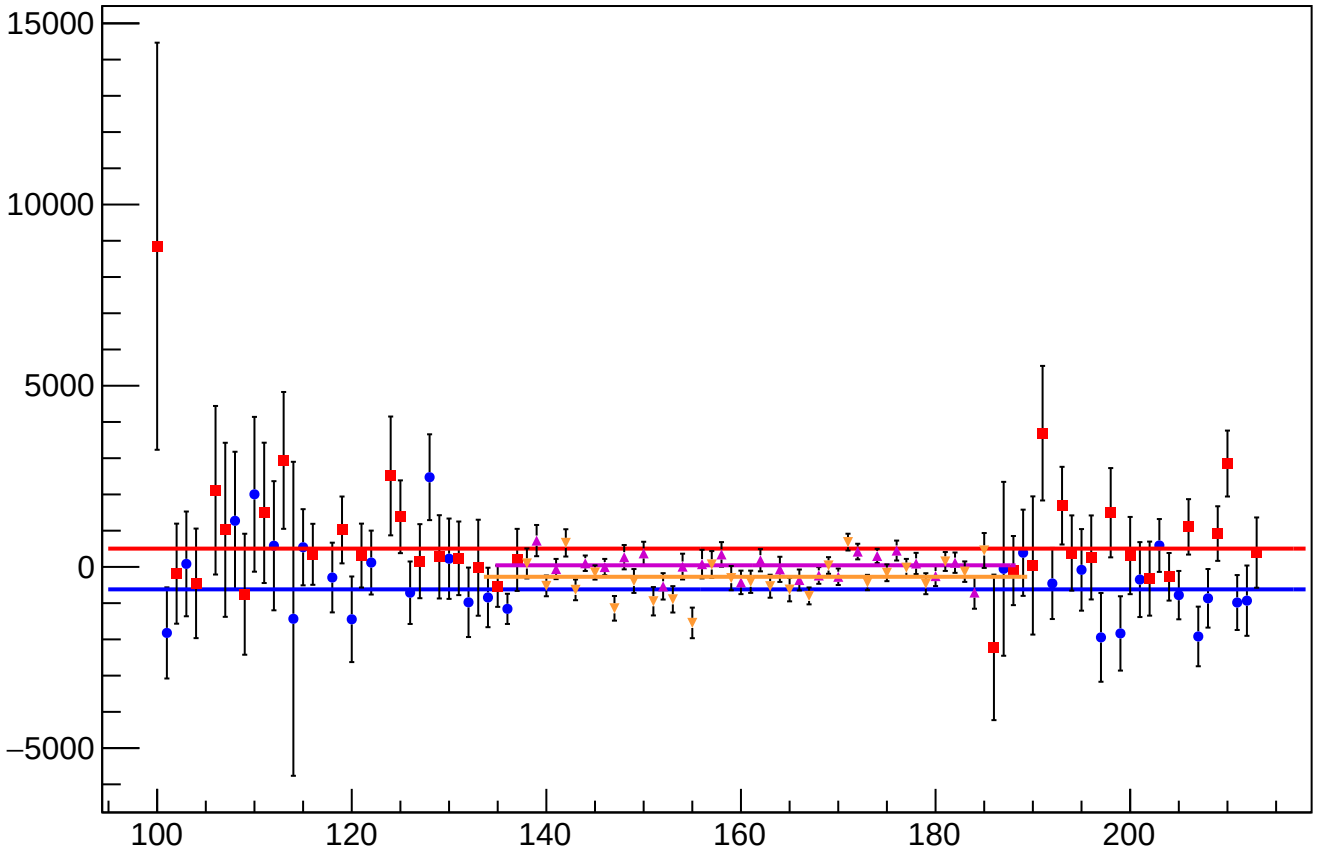
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 90.986+/-0.011 χ^2/NDF: 8170913.1/62

In: 66.697+/-0.008 χ^2/NDF:6641116.6/51

Out: 66.954+/-0.008 χ^2/NDF:9106311.1/58

All: 66.828+/-0.006 χ^2/NDF: 15747909.1/110



Right In: -619.534+/-175.765 χ^2/NDF: 25.4/28

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

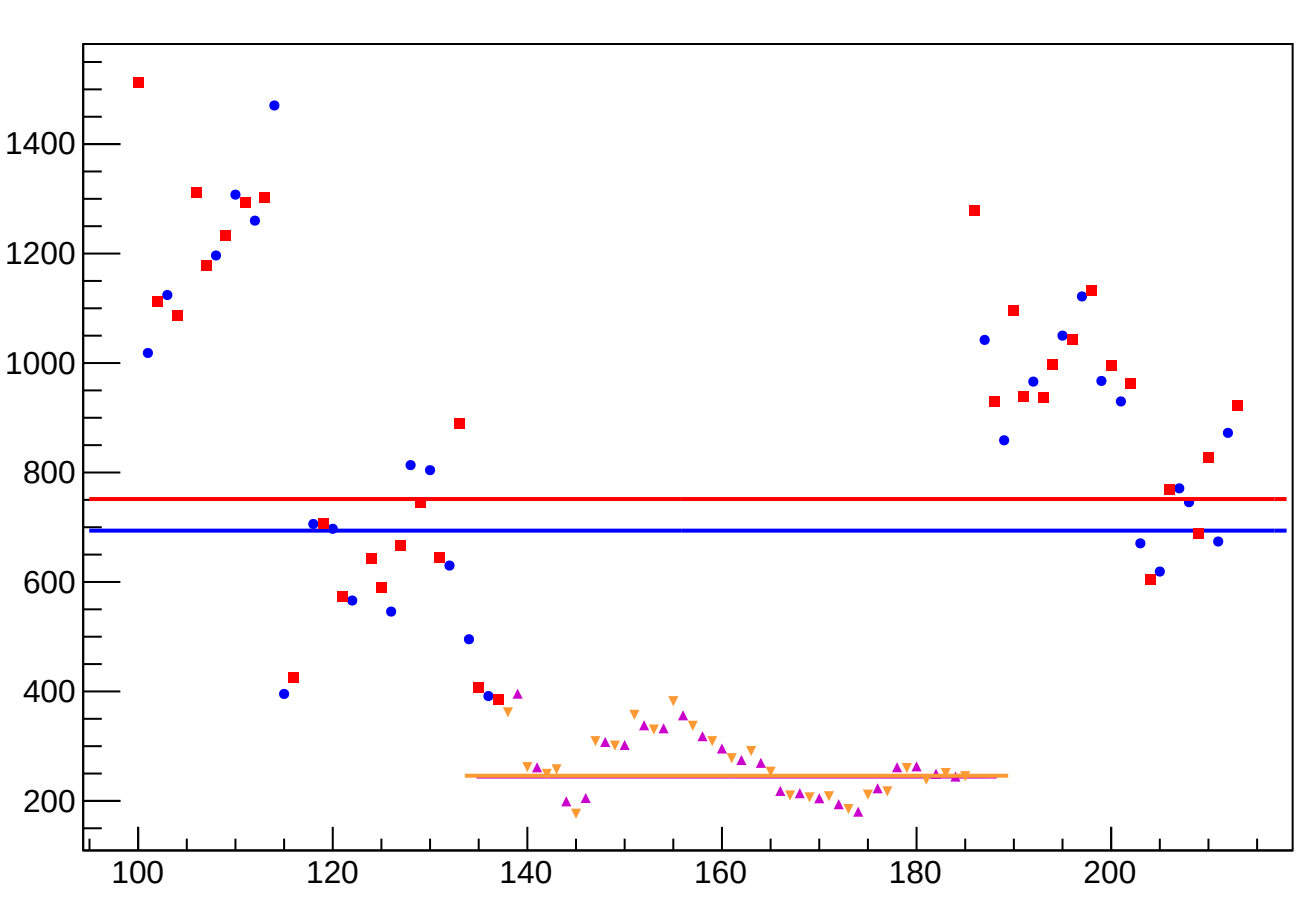
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -76.731+/-126.421 χ^2/NDF: 74.4/62

In: -21.909+/-55.604 χ^2/NDF:64.7/51

Out: -202.426+/-54.632 χ^2/NDF:111.6/58

All: -113.759+/-38.970 χ^2/NDF: 181.7/110



Right In: 693.803+/-0.124 χ^2/NDF: 3410470.0/28

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

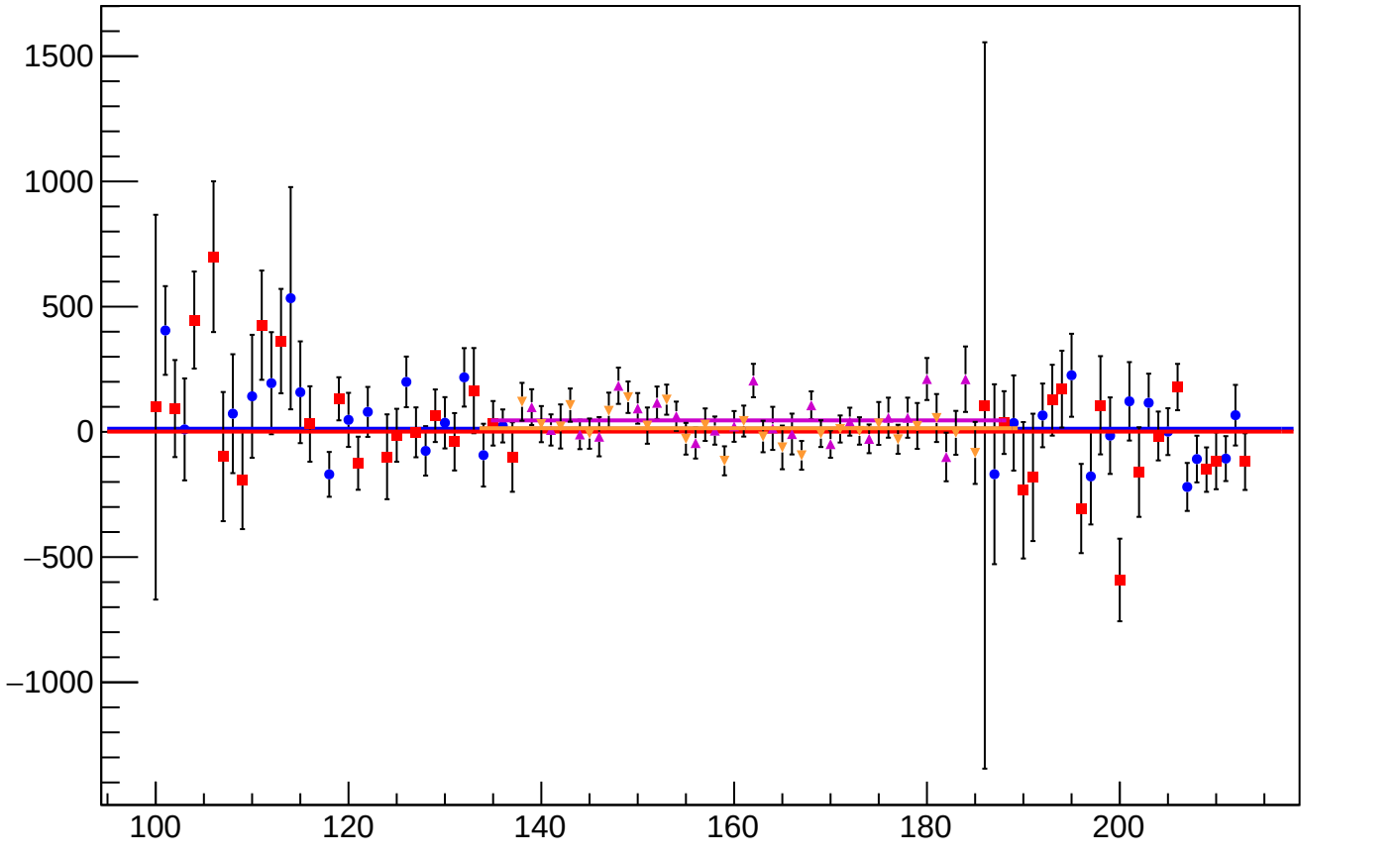
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 721.666+/-0.089 χ^2/NDF: 7221935.0/62

In: 289.421+/-0.039 χ^2/NDF:16771139.2/51

Out: 291.582+/-0.039 χ^2/NDF:19431587.8/58

All: 290.520+/-0.028 χ^2/NDF: 36204263.9/1



Right In: 12.484+/-22.544 χ^2/NDF: 34.7/28

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

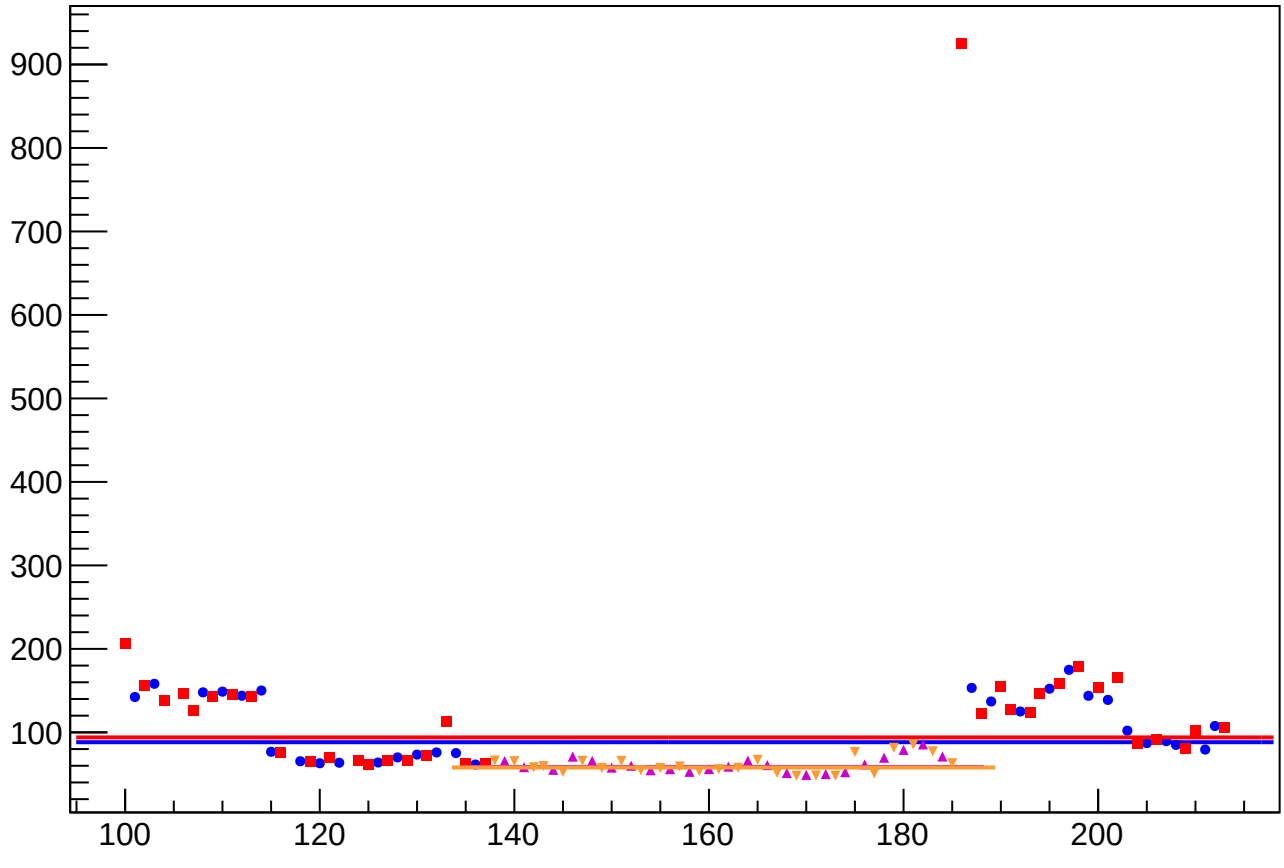
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 6.996+/-16.207 χ^2/NDF: 89.1/62

In: 36.597+/-11.851 χ^2/NDF:67.0/51

Out: 11.157+/-11.653 χ^2/NDF:79.0/58

All: 23.663+/-8.309 χ^2/NDF: 148.4/110



Right In: 88.216+/-0.016 χ^2/NDF: 3472915.1/28

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

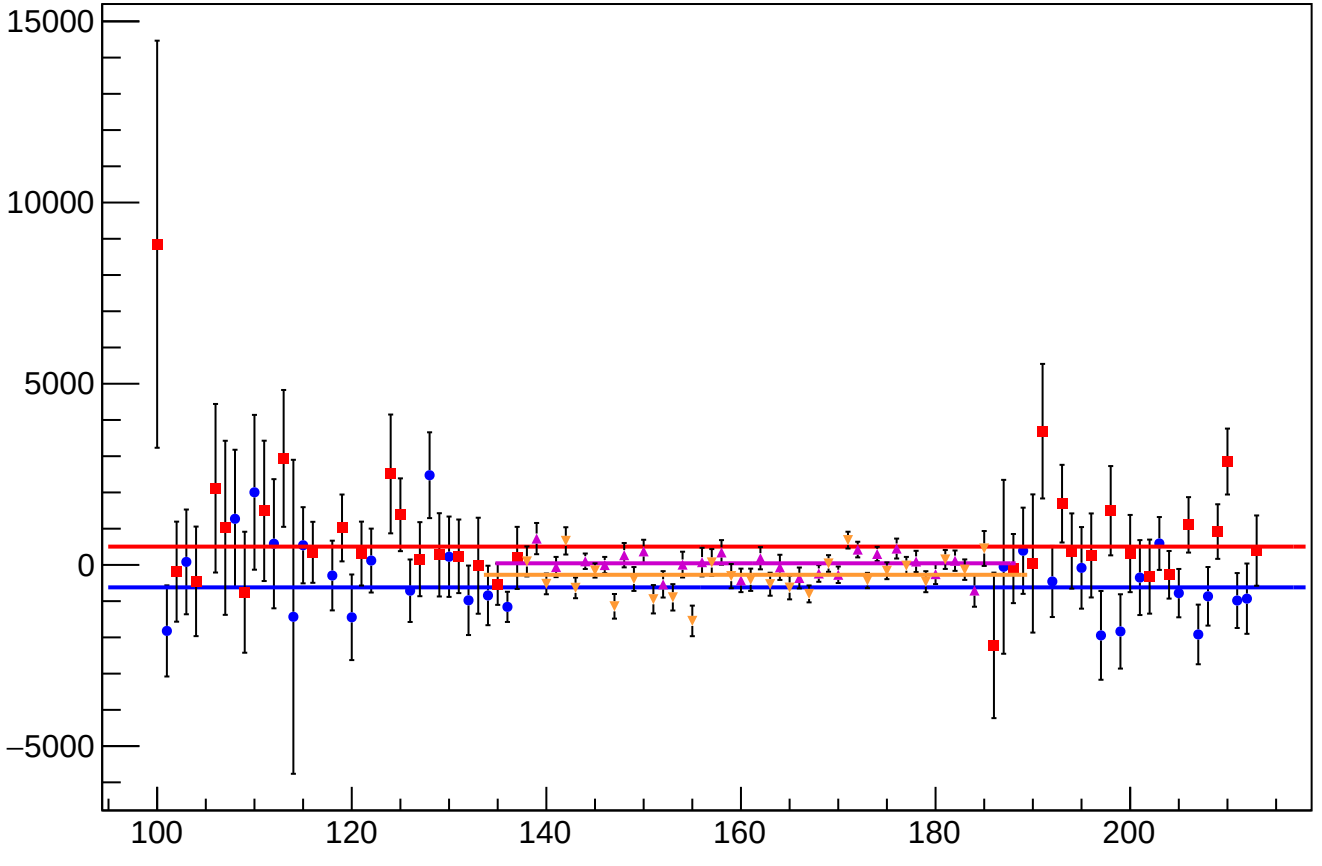
Right: 90.986+/-0.011 χ^2/NDF: 8170929.1/62

In: 66.697+/-0.008 χ^2/NDF:6641047.4/51

Out: 66.955+/-0.008 χ^2/NDF:9106270.6/58

All: 66.828+/-0.006 χ^2/NDF: 15747799.1/110

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -619.532+/-175.765 χ^2/NDF: 25.4/28

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

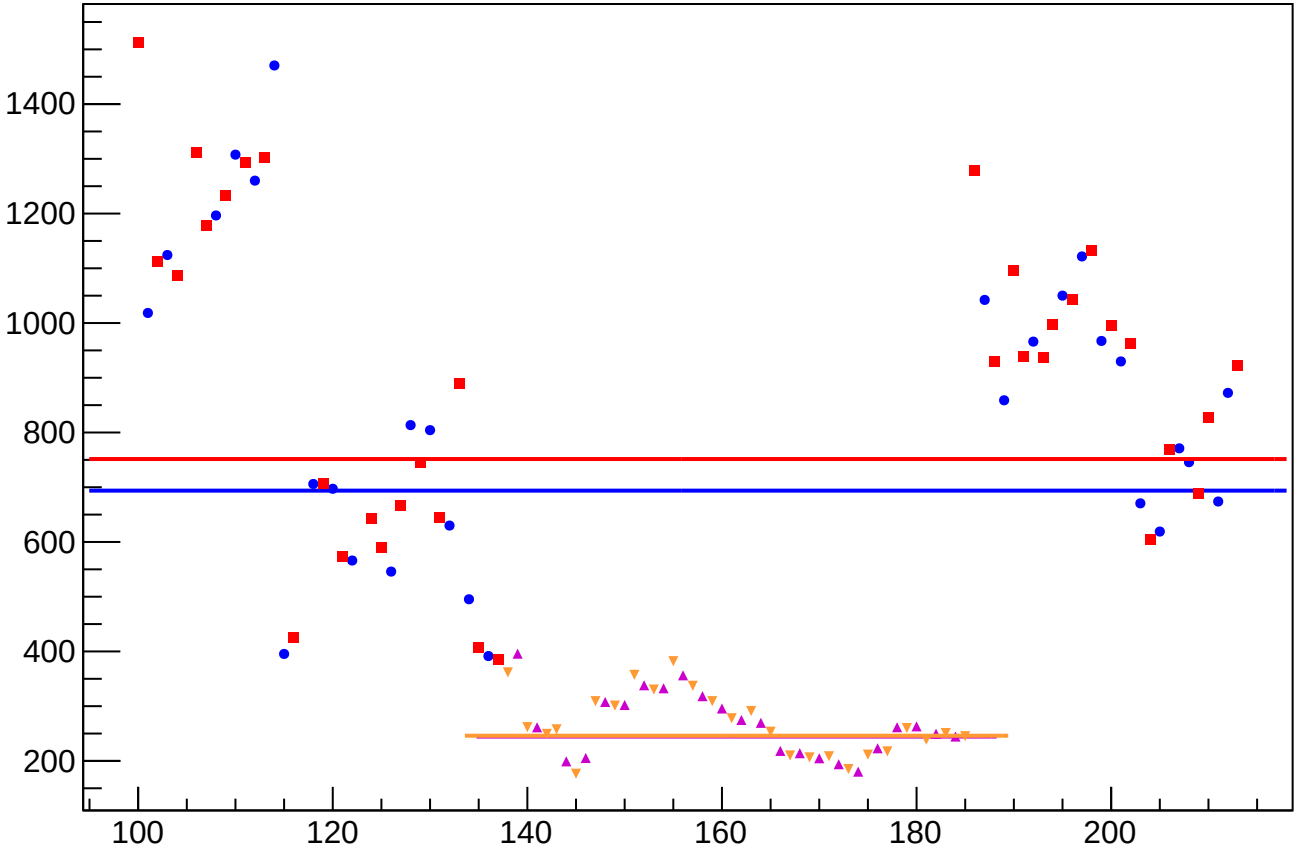
Right: -76.731+/-126.421 χ^2/NDF: 74.4/62

In: -21.909+/-55.604 χ^2/NDF:64.7/51

Out: -202.425+/-54.632 χ^2/NDF:111.6/58

All: -113.759+/-38.970 χ^2/NDF: 181.7/110

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 693.802+/-0.124 χ^2/NDF: 3410454.2/28

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

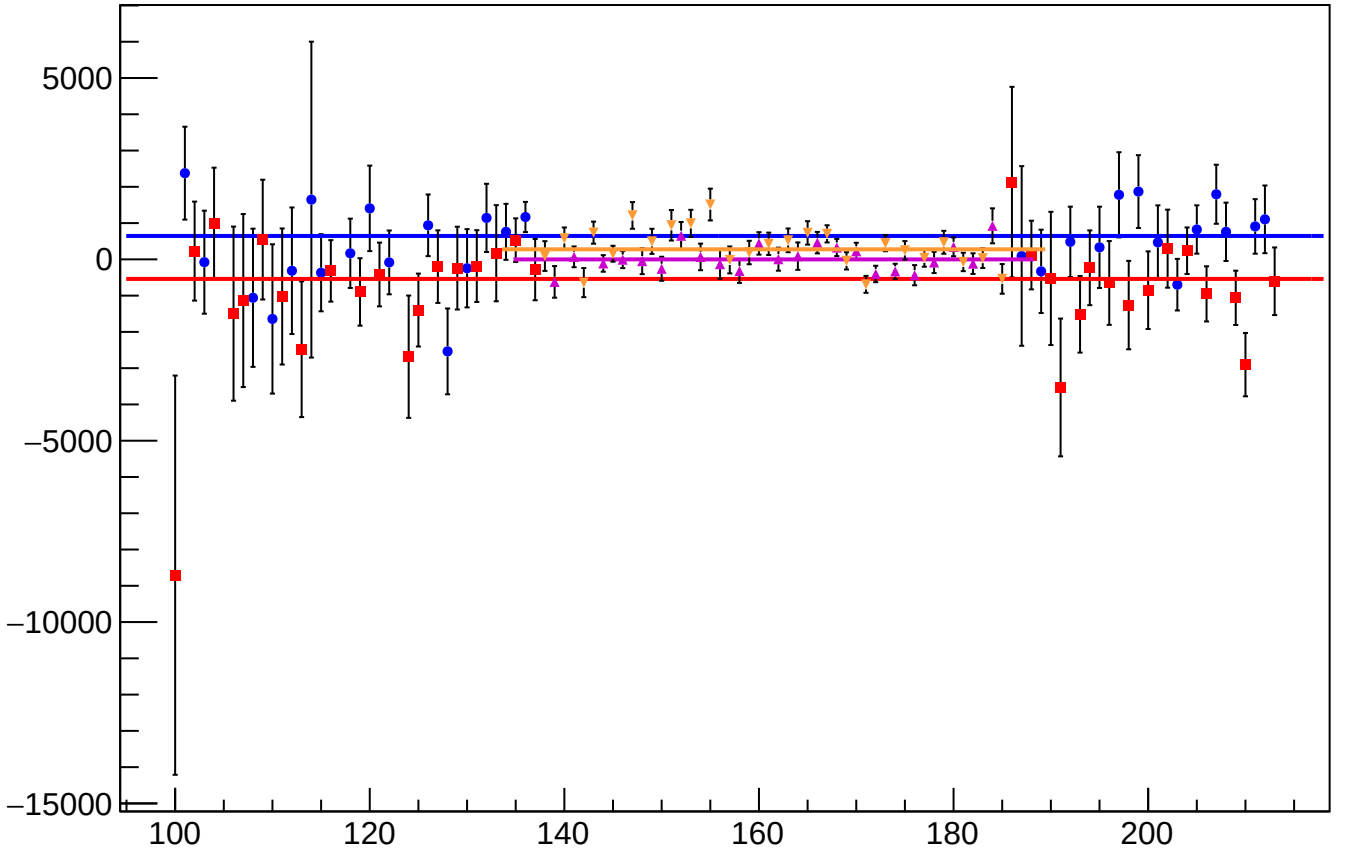
Right: 721.666+/-0.089 χ^2/NDF: 7221899.5/62

In: 289.421+/-0.039 χ^2/NDF:16771126.7/51

Out: 291.581+/-0.039 χ^2/NDF:19431600.3/58

All: 290.520+/-0.028 χ^2/NDF: 36204263.6/1

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 645.359+/-173.622 χ^2/NDF: 26.0/28

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

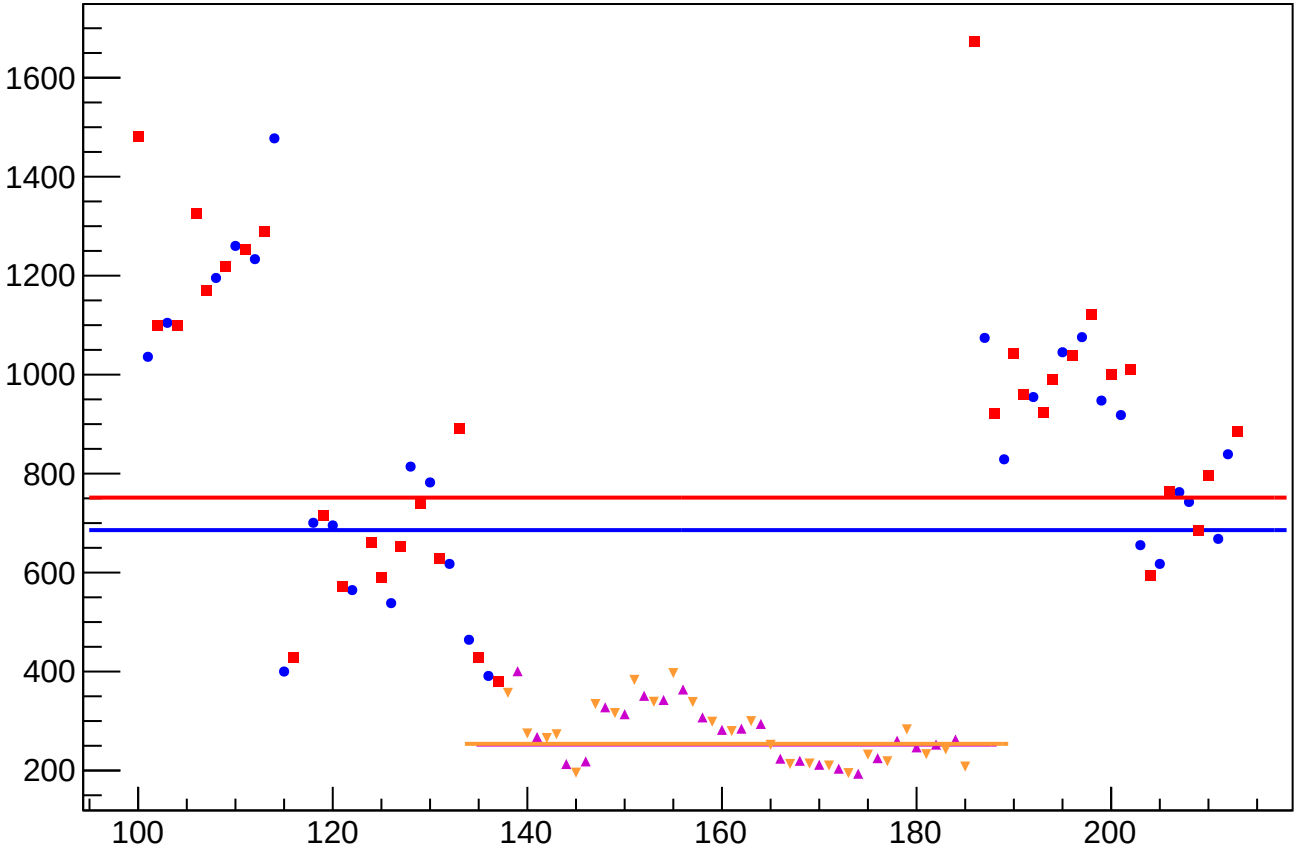
Right: 80.557+/-125.590 χ^2/NDF: 75.5/62

In: 69.085+/-57.010 χ^2/NDF:66.5/51

Out: 199.001+/-56.249 χ^2/NDF:109.6/58

All: 134.916+/-40.040 χ^2/NDF: 178.7/110

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 685.808+/-0.123 χ^2/NDF: 3351332.5/28

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

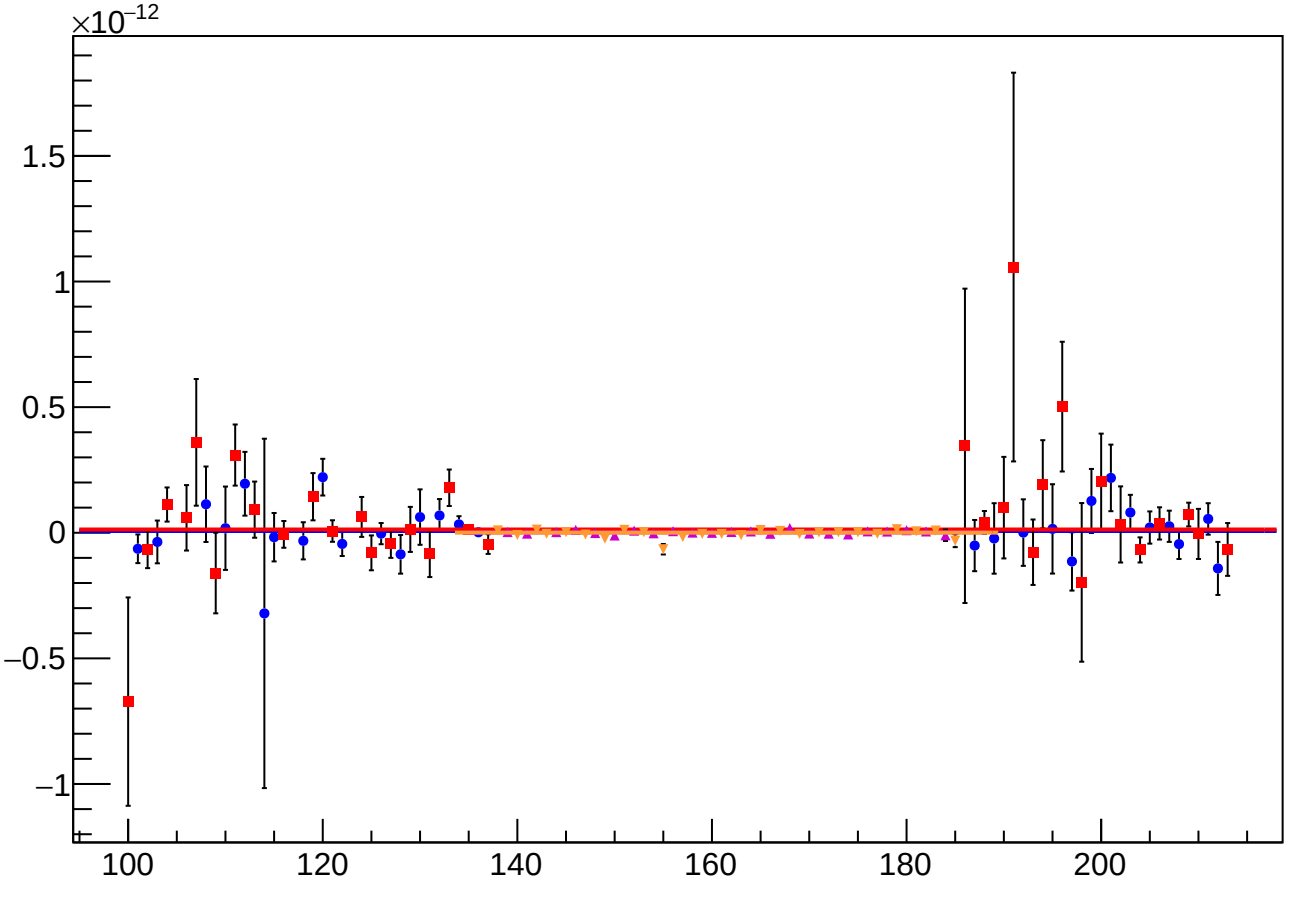
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 717.134+/-0.089 χ^2/NDF: 7131394.9/62

In: 299.120+/-0.040 χ^2/NDF:15883072.1/51

Out: 301.539+/-0.040 χ^2/NDF:18769245.4/58

All: 300.345+/-0.028 χ^2/NDF: 34654141.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 27.7/28

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

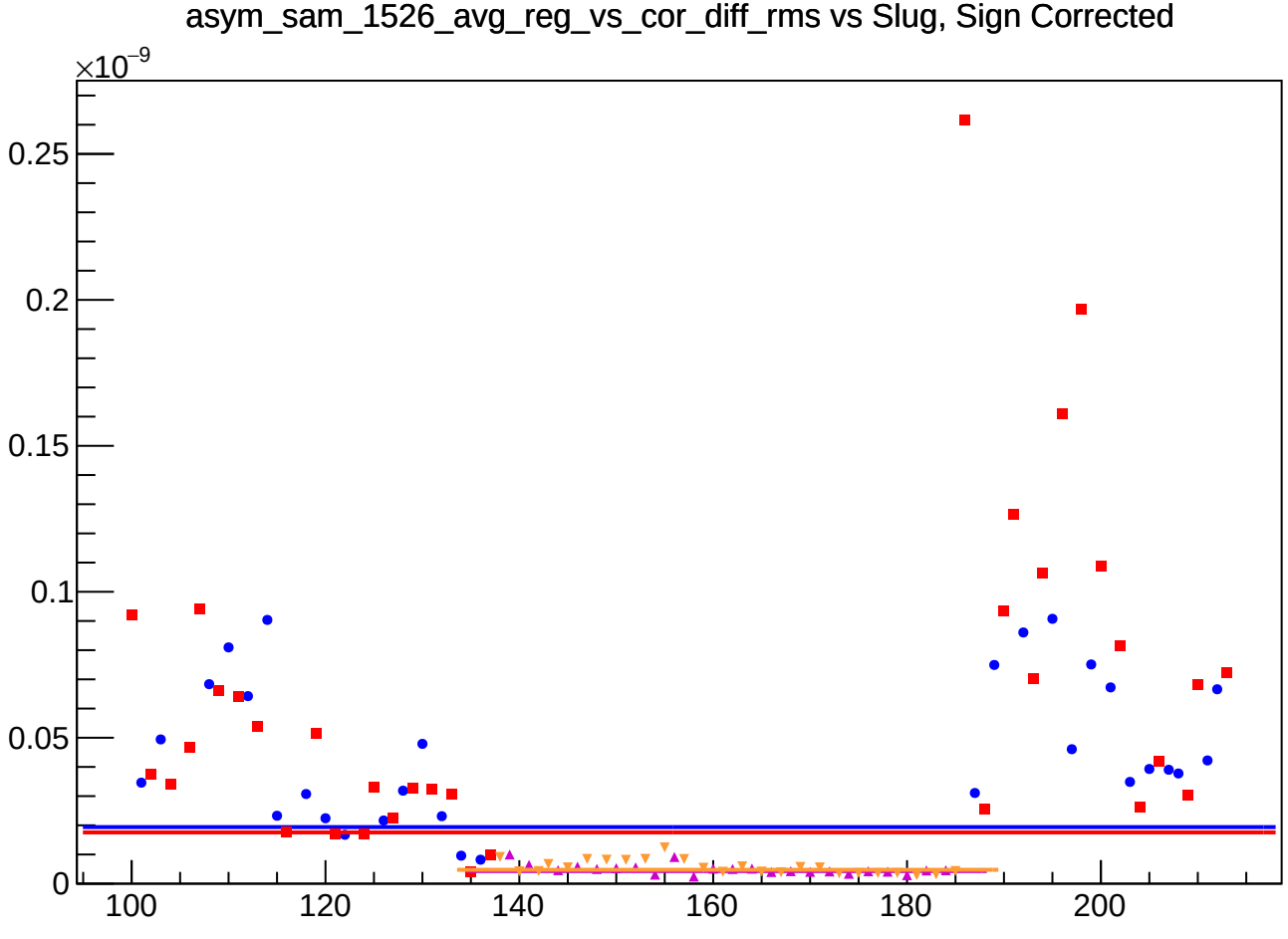
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 71.7/62

In: 0.000+/-0.000 χ^2/NDF:42.0/51

Out: 0.000+/-0.000 χ^2/NDF:72.3/58

All: 0.000+/-0.000 χ^2/NDF: 114.4/110



Right In: 0.000+/-0.000 χ^2/NDF: 6236697.7/28

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

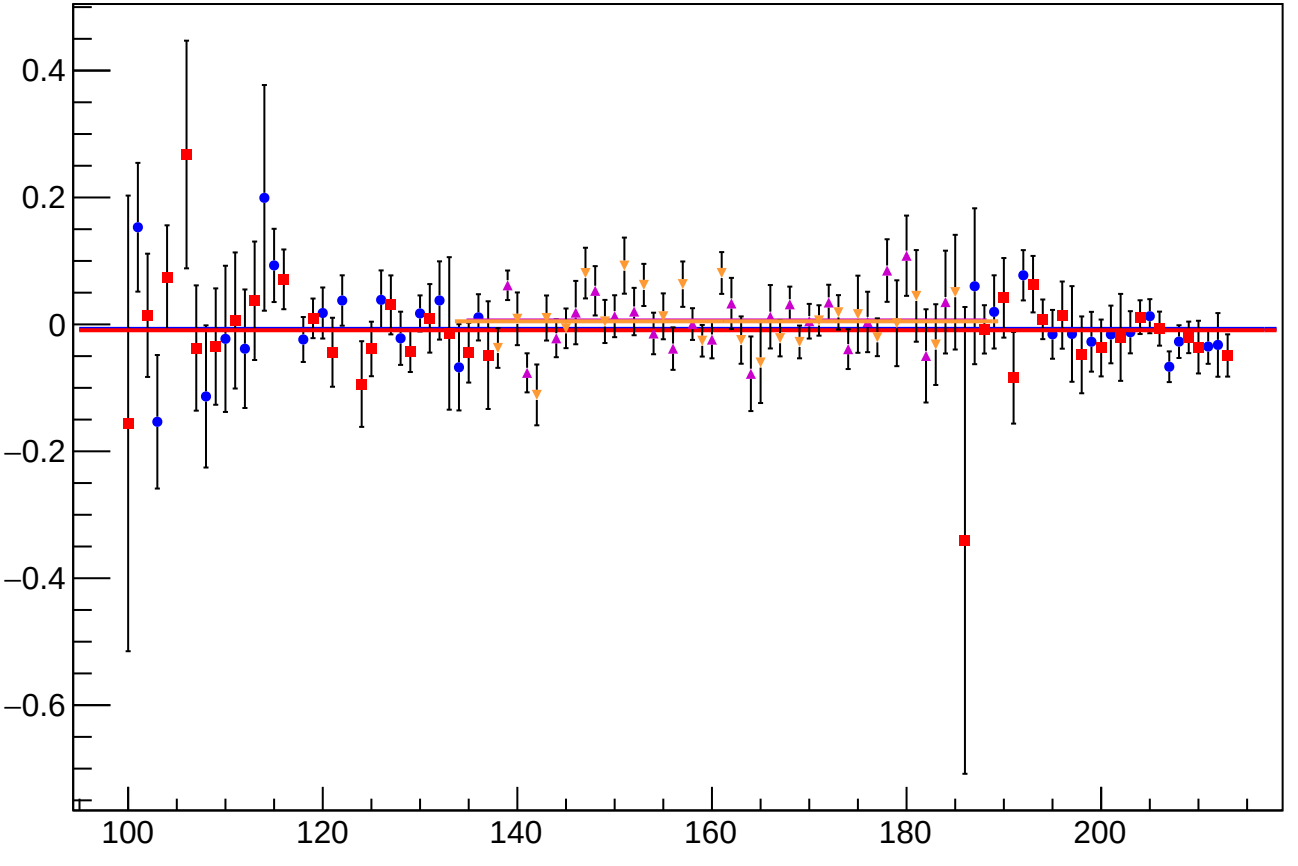
Right: 0.000+/-0.000 χ^2/NDF: 15394864.3/62

In: 0.000+/-0.000 χ^2/NDF:11945061.5/51

Out: 0.000+/-0.000 χ^2/NDF:14196720.0/58

All: 0.000+/-0.000 χ^2/NDF: 26185999.5/110

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.008 χ^2/NDF: 29.0/28

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

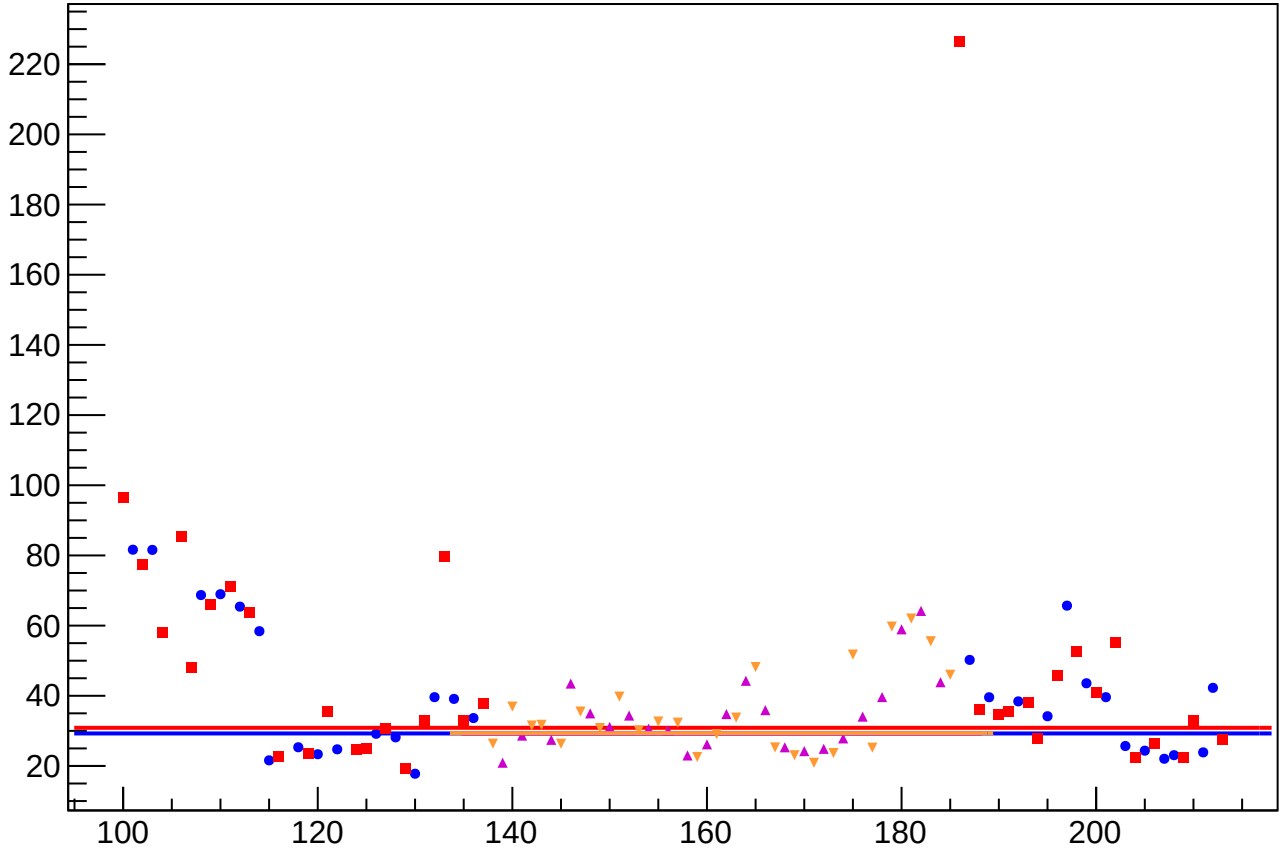
Right: -0.008+/-0.006 χ^2/NDF: 50.7/62

In: 0.000+/-0.005 χ^2/NDF:61.5/51

Out: -0.001+/-0.005 χ^2/NDF:57.3/58

All: -0.001+/-0.004 χ^2/NDF: 118.9/110

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.267+/-0.006 χ^2/NDF: 4062519.2/28

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

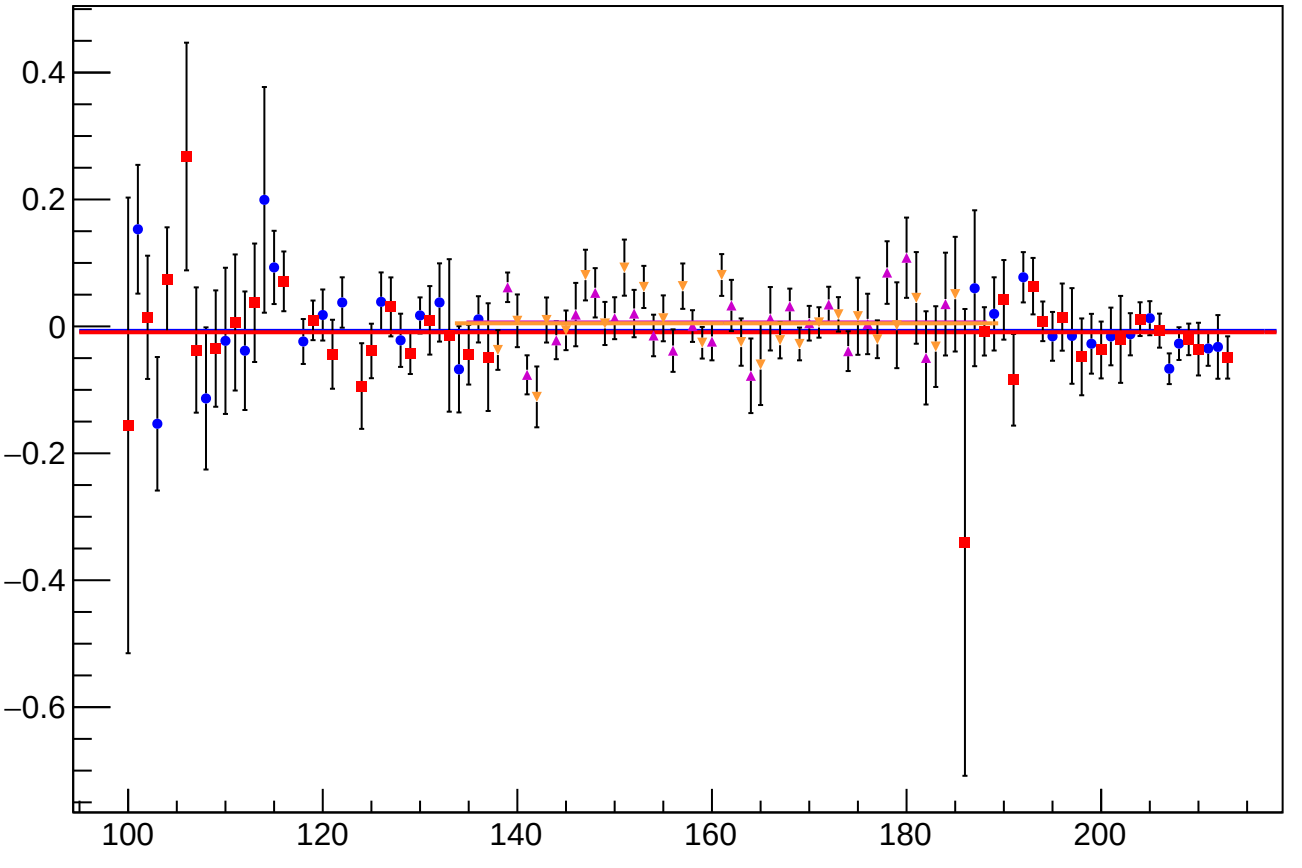
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 30.053+/-0.004 χ^2/NDF: 8743372.5/62

In: 29.245+/-0.004 χ^2/NDF:6160206.0/51

Out: 30.017+/-0.004 χ^2/NDF:7367946.2/58

All: 29.631+/-0.003 χ^2/NDF: 13549230.6/110



Right In: -0.007+/-0.008 χ^2/NDF: 29.0/28

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

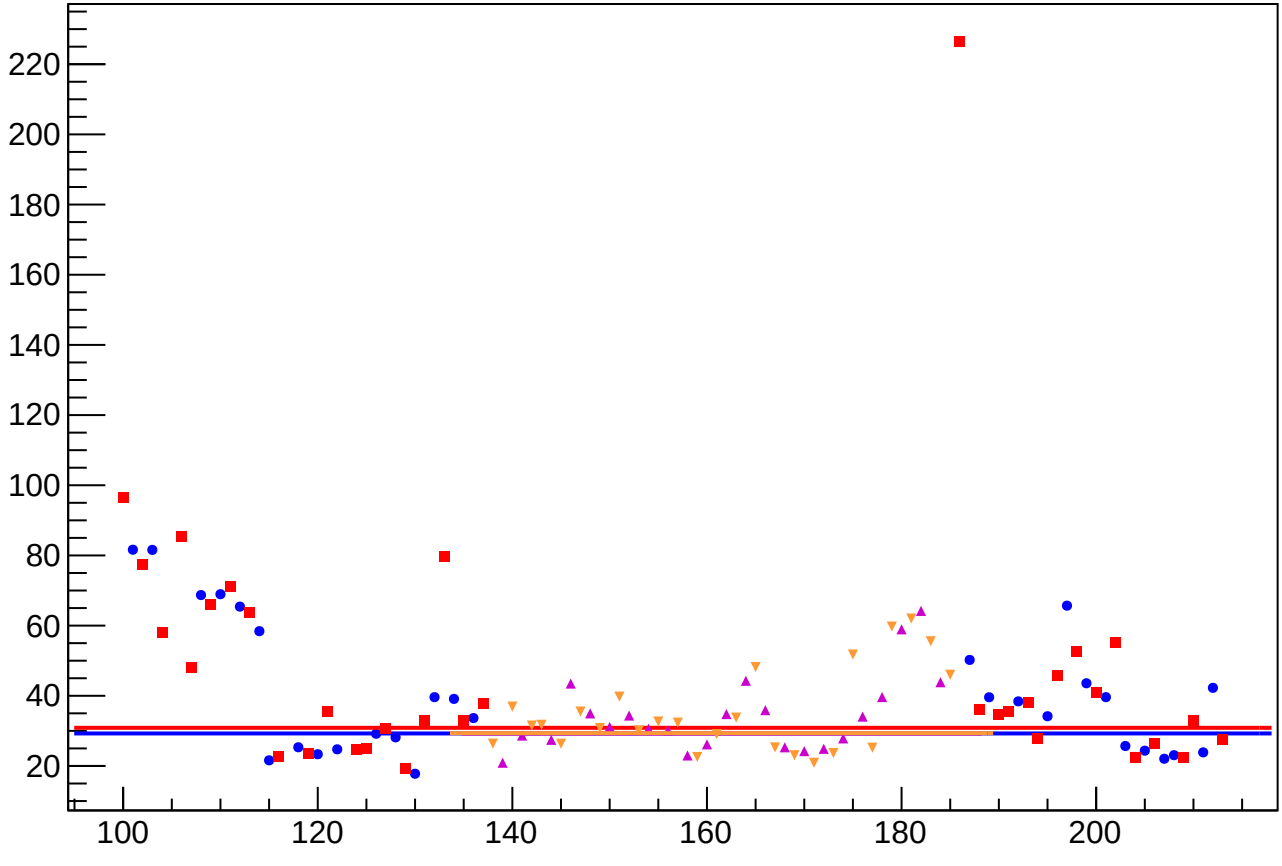
Right: -0.008+/-0.006 χ^2/NDF: 50.7/62

In: 0.000+/-0.005 χ^2/NDF:61.5/51

Out: -0.001+/-0.005 χ^2/NDF:57.3/58

All: -0.001+/-0.004 χ^2/NDF: 118.9/110

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.267+/-0.006 χ^2/NDF: 4062519.2/28

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

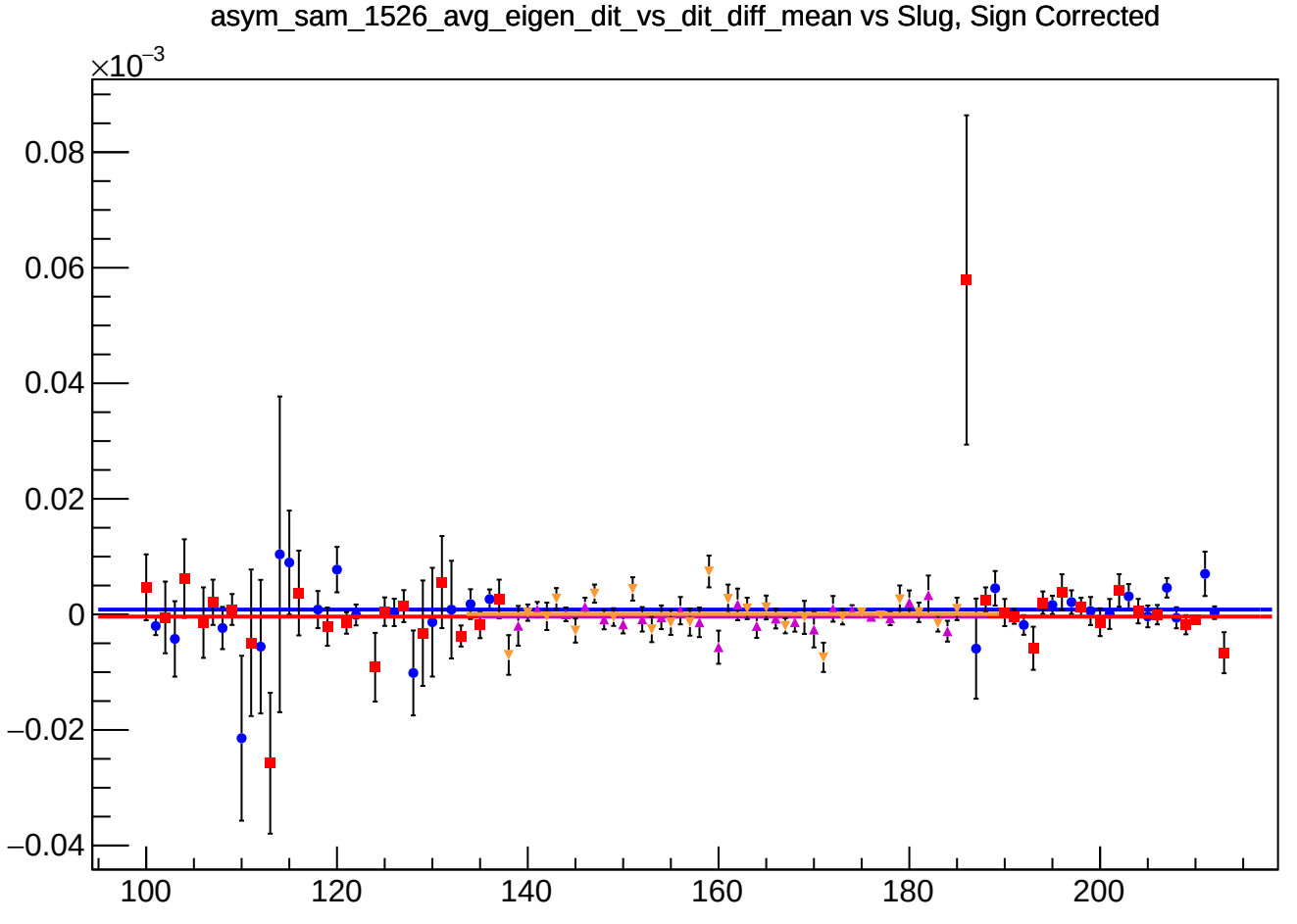
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 30.053+/-0.004 χ^2/NDF: 8743372.5/62

In: 29.245+/-0.004 χ^2/NDF:6160206.0/51

Out: 30.017+/-0.004 χ^2/NDF:7367946.2/58

All: 29.631+/-0.003 χ^2/NDF: 13549230.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 30.6/28

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

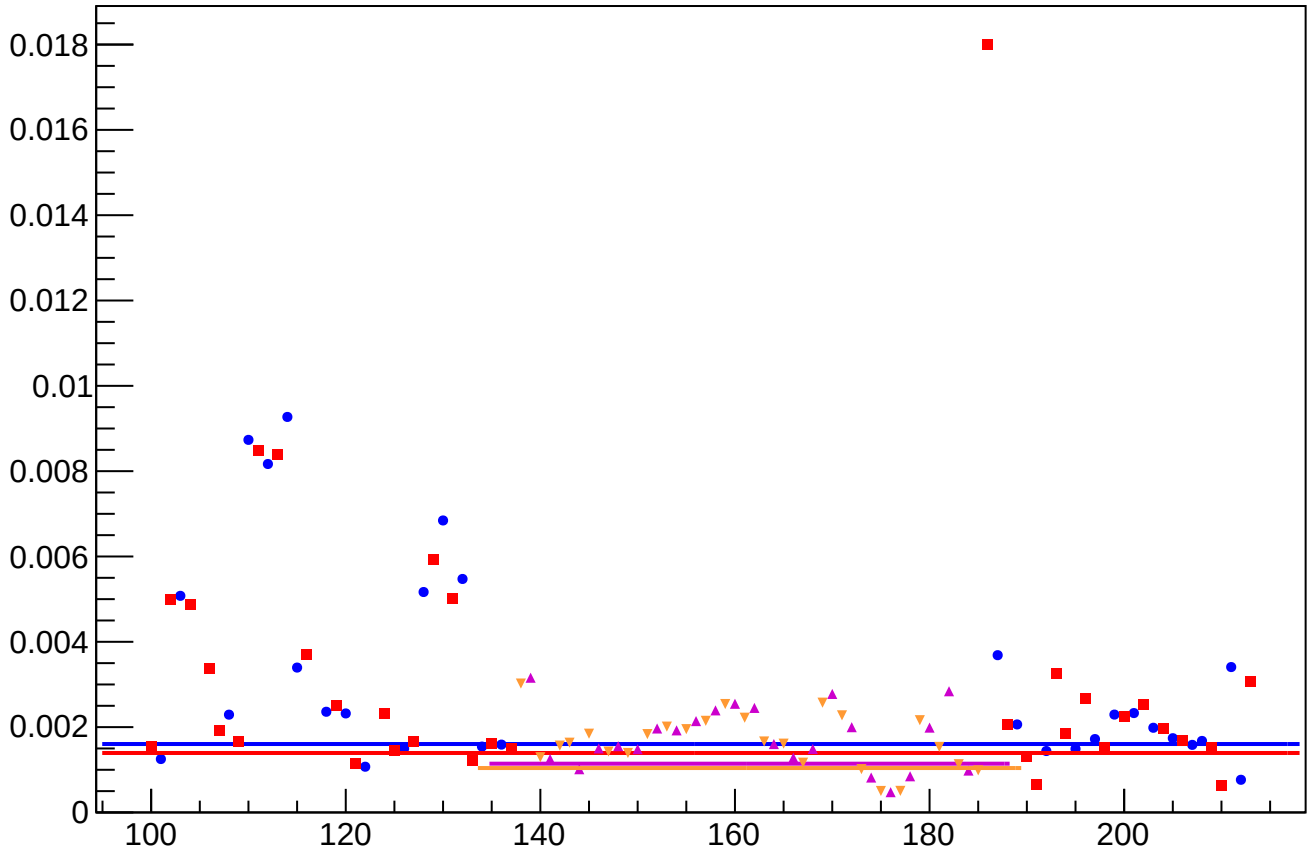
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 70.6/62

In: 0.000+/-0.000 χ^2/NDF:50.7/51

Out: -0.000+/-0.000 χ^2/NDF:80.3/58

All: -0.000+/-0.000 χ^2/NDF: 131.2/110



Right In: 0.002+/-0.000 χ^2/NDF: 6193969.4/28

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

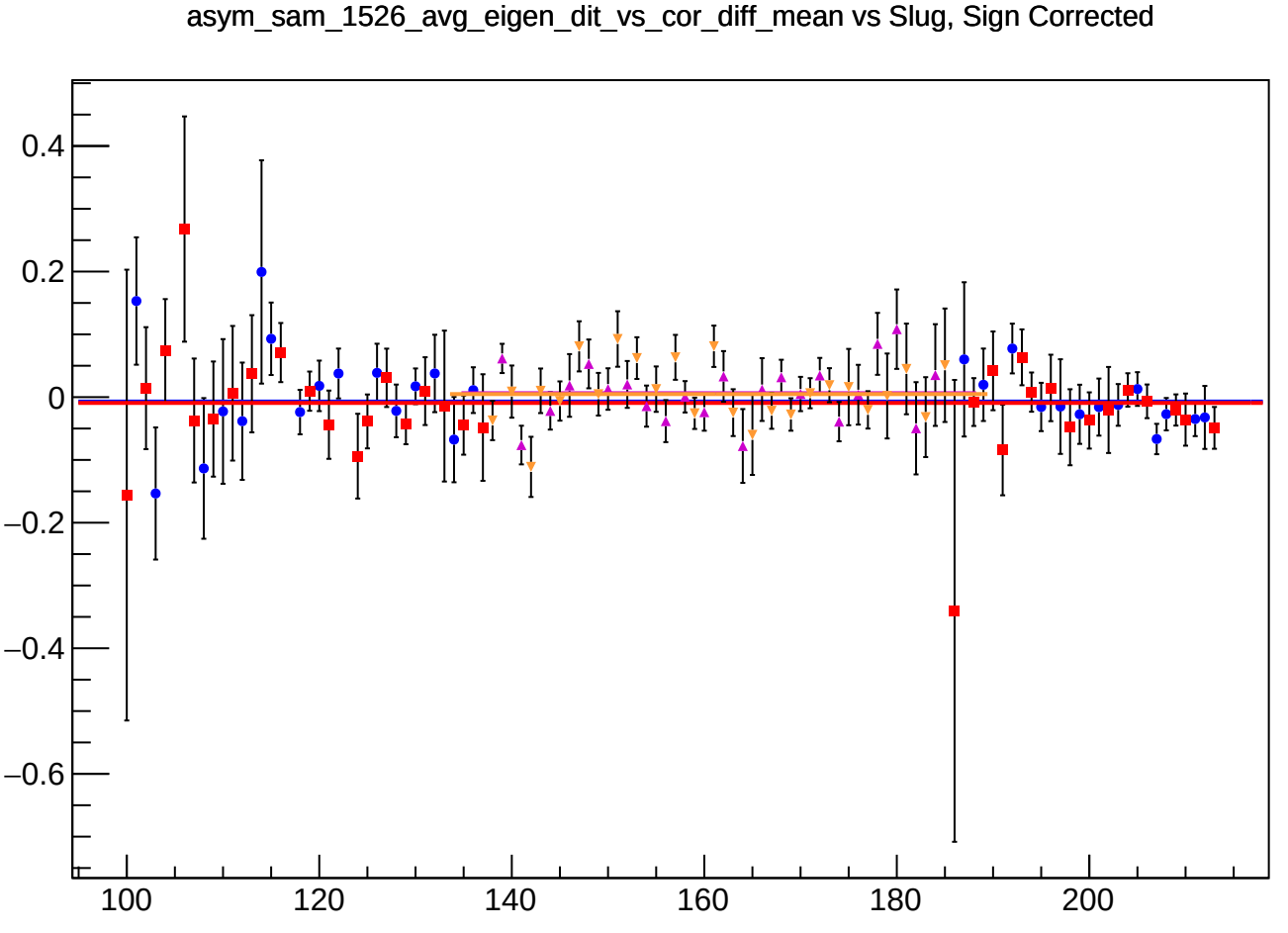
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.001+/-0.000 χ^2/NDF: 16689319.4/62

In: 0.001+/-0.000 χ^2/NDF:15956978.2/51

Out: 0.001+/-0.000 χ^2/NDF:21164209.4/58

All: 0.001+/-0.000 χ^2/NDF: 37435821.5/110



Right In: -0.007+/-0.008 χ^2/NDF: 29.0/28

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

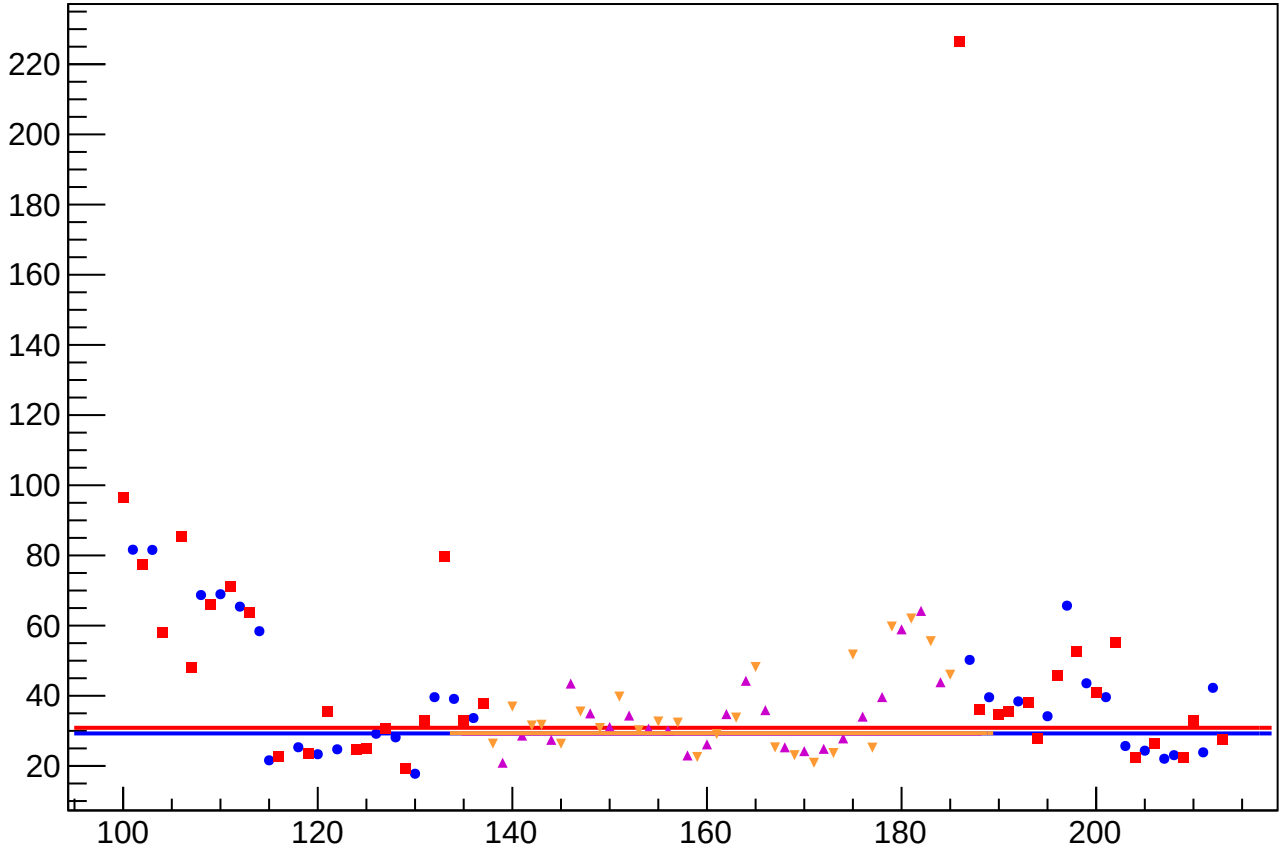
Right: -0.008+/-0.006 χ^2/NDF: 50.7/62

In: 0.000+/-0.005 χ^2/NDF:61.5/51

Out: -0.001+/-0.005 χ^2/NDF:57.3/58

All: -0.001+/-0.004 χ^2/NDF: 118.9/110

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.266+/-0.006 χ^2/NDF: 4062763.4/28

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

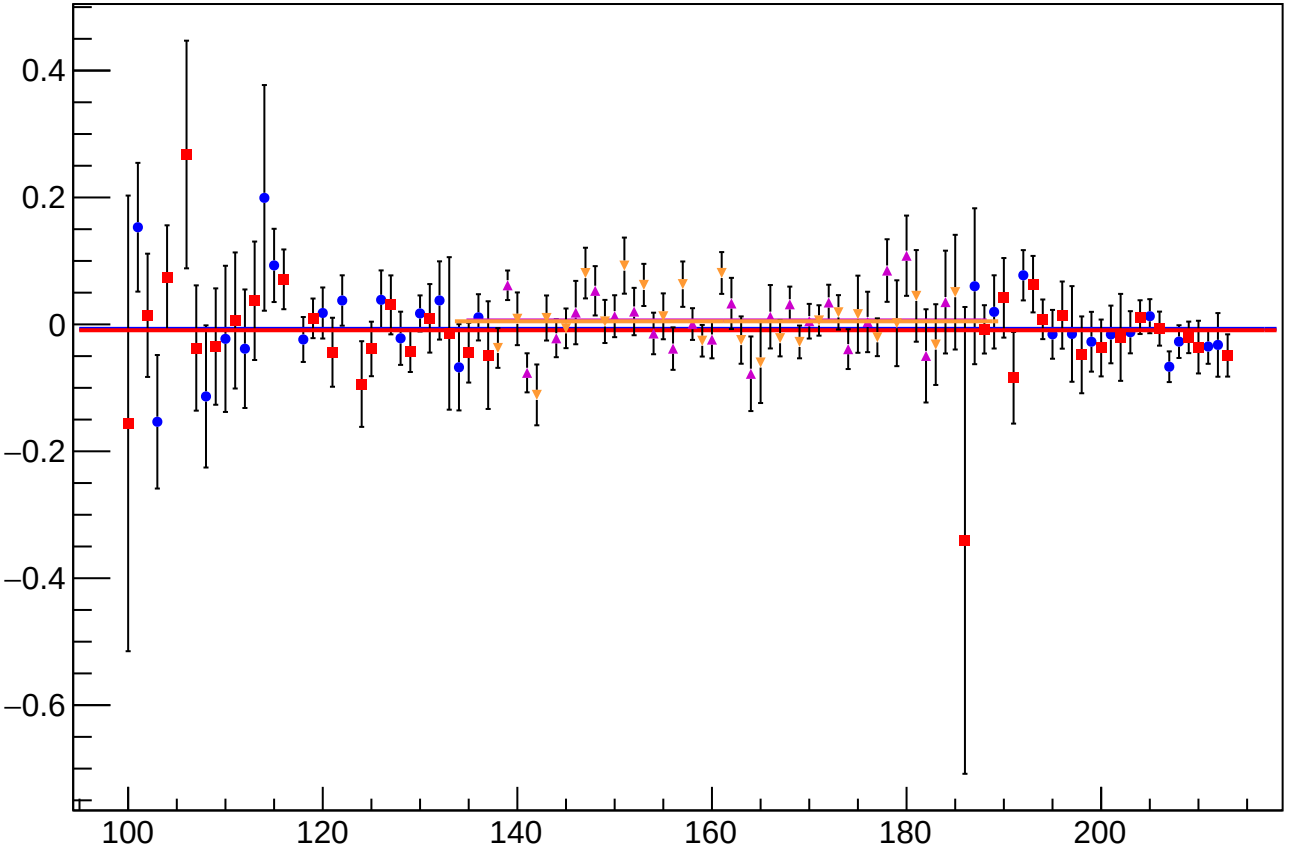
Right: 30.053+/-0.004 χ^2/NDF: 8743778.3/62

In: 29.245+/-0.004 χ^2/NDF:6160412.3/51

Out: 30.017+/-0.004 χ^2/NDF:7368107.8/58

All: 29.631+/-0.003 χ^2/NDF: 13549594.8/110

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.008 χ^2/NDF: 29.0/28

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

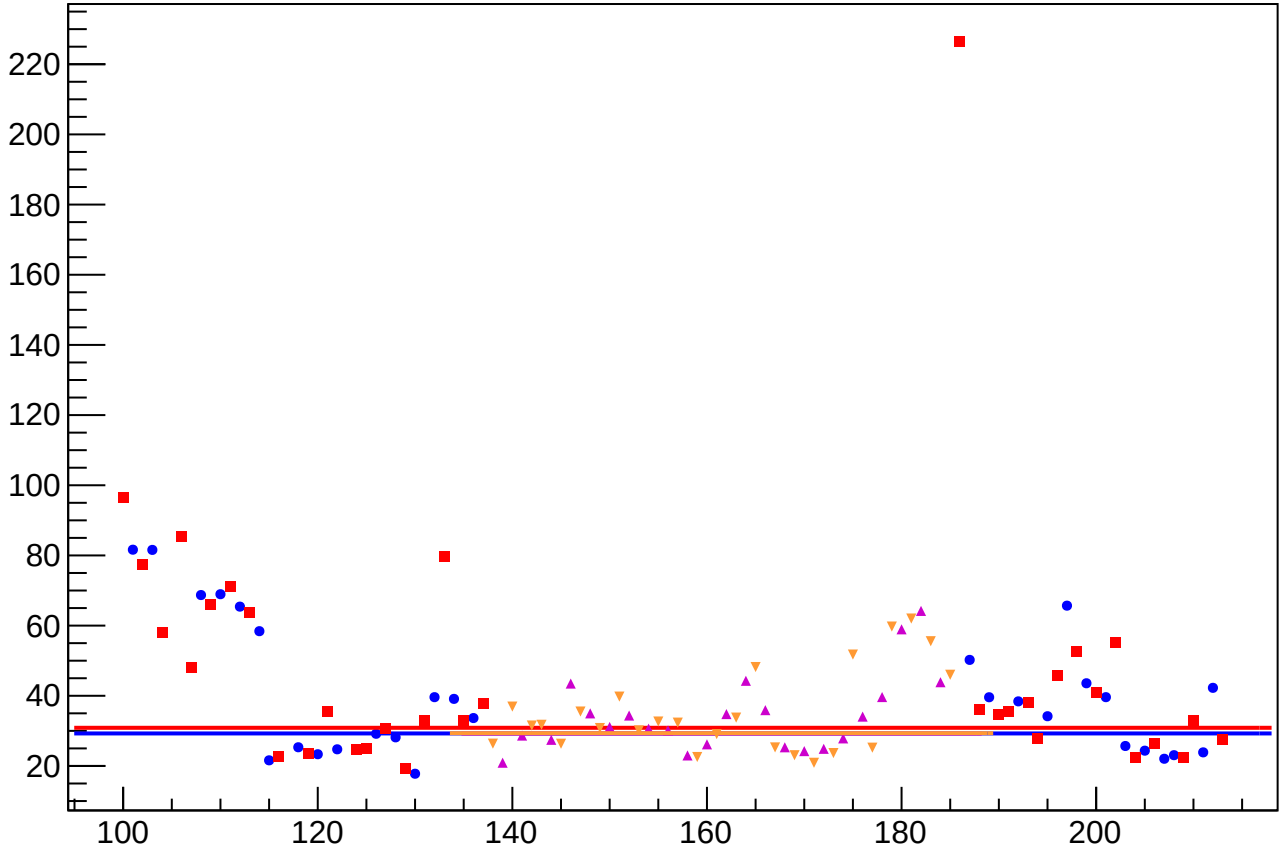
Right: -0.008+/-0.006 χ^2/NDF: 50.7/62

In: 0.000+/-0.005 χ^2/NDF:61.5/51

Out: -0.001+/-0.005 χ^2/NDF:57.3/58

All: -0.001+/-0.004 χ^2/NDF: 118.9/110

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.266+/-0.006 χ^2/NDF: 4062763.4/28

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

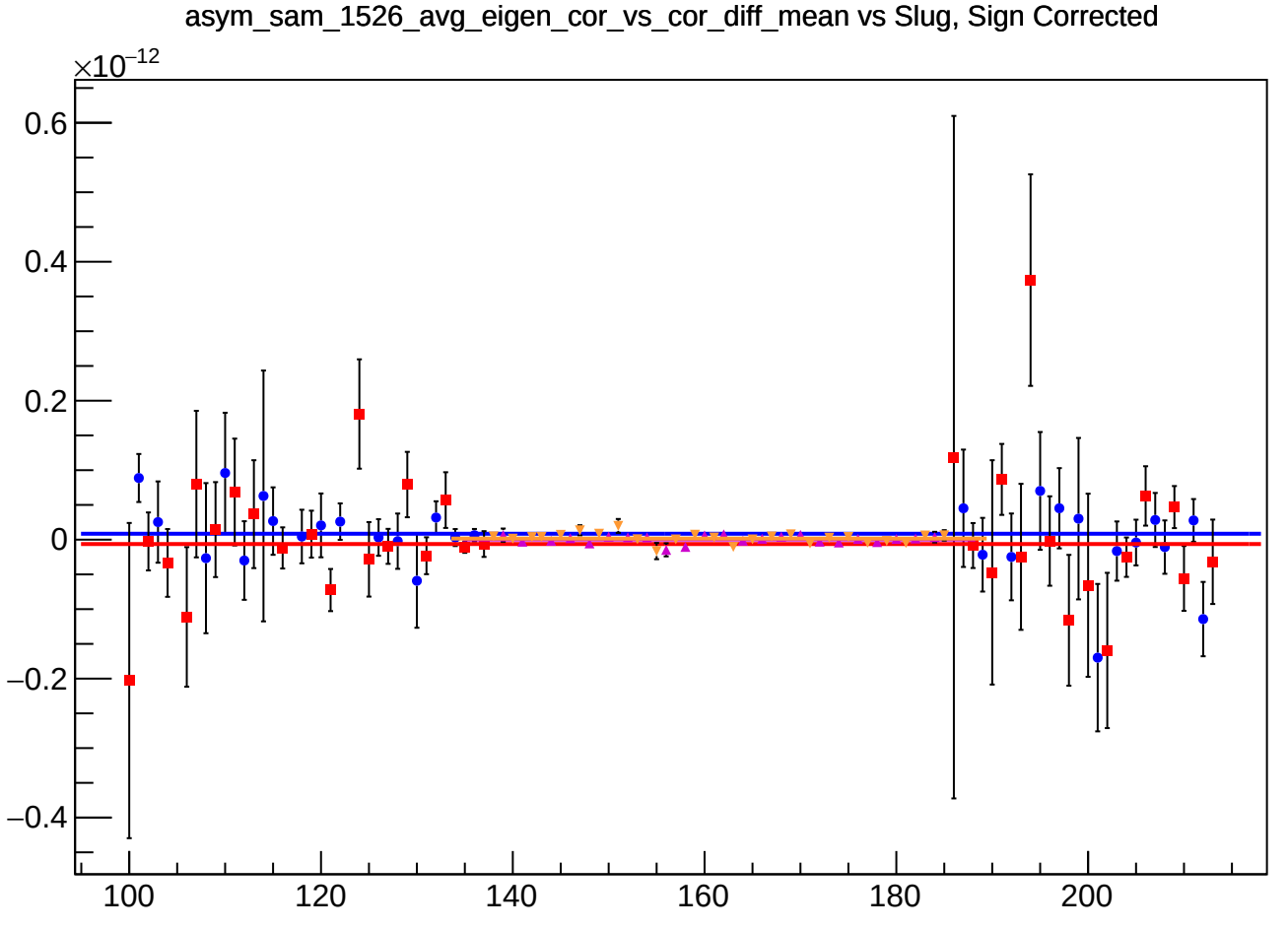
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 30.053+/-0.004 χ^2/NDF: 8743778.3/62

In: 29.245+/-0.004 χ^2/NDF:6160412.3/51

Out: 30.017+/-0.004 χ^2/NDF:7368107.8/58

All: 29.631+/-0.003 χ^2/NDF: 13549594.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/28

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

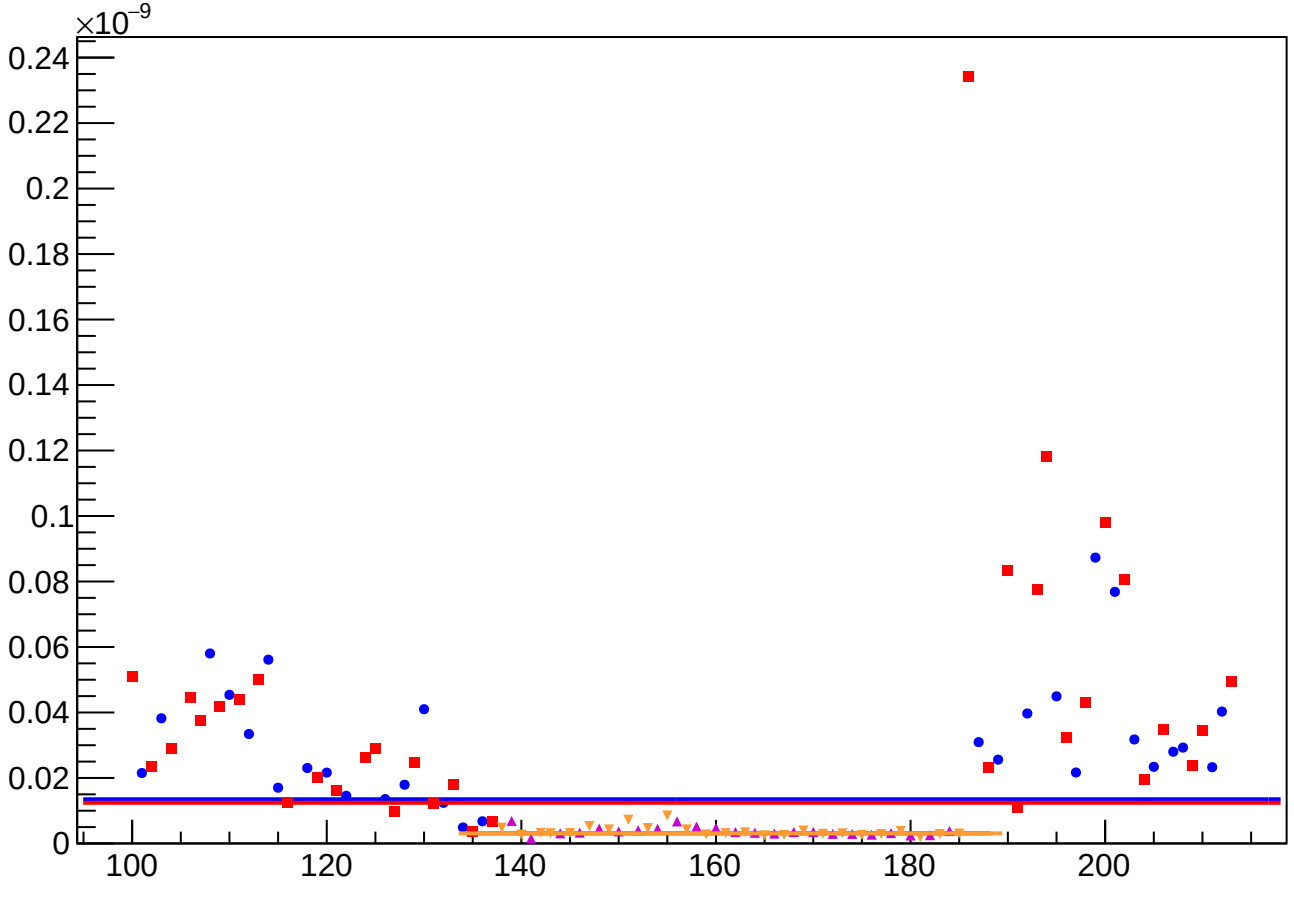
Right: 0.000+/-0.000 χ^2/NDF: 67.3/62

In: 0.000+/-0.000 χ^2/NDF:42.2/51

Out: 0.000+/-0.000 χ^2/NDF:79.2/58

All: 0.000+/-0.000 χ^2/NDF: 121.9/110

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8347734.8/28

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

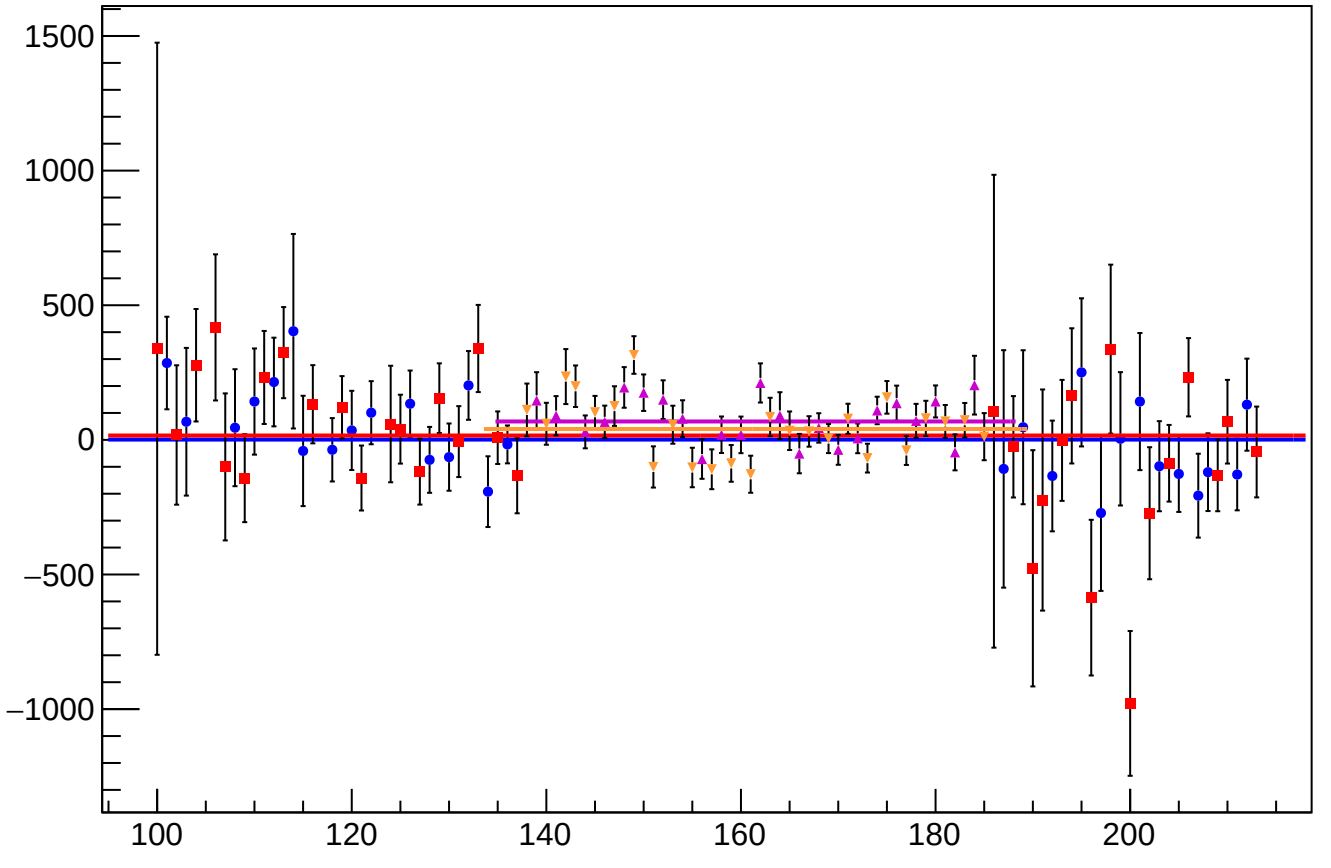
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 20450572.9/62

In: 0.000+/-0.000 χ^2/NDF:17531405.7/51

Out: 0.000+/-0.000 χ^2/NDF:19875051.5/58

All: 0.000+/-0.000 χ^2/NDF: 37408781.4/110



Right In: 1.078+/-28.456 χ^2/NDF: 21.5/28

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

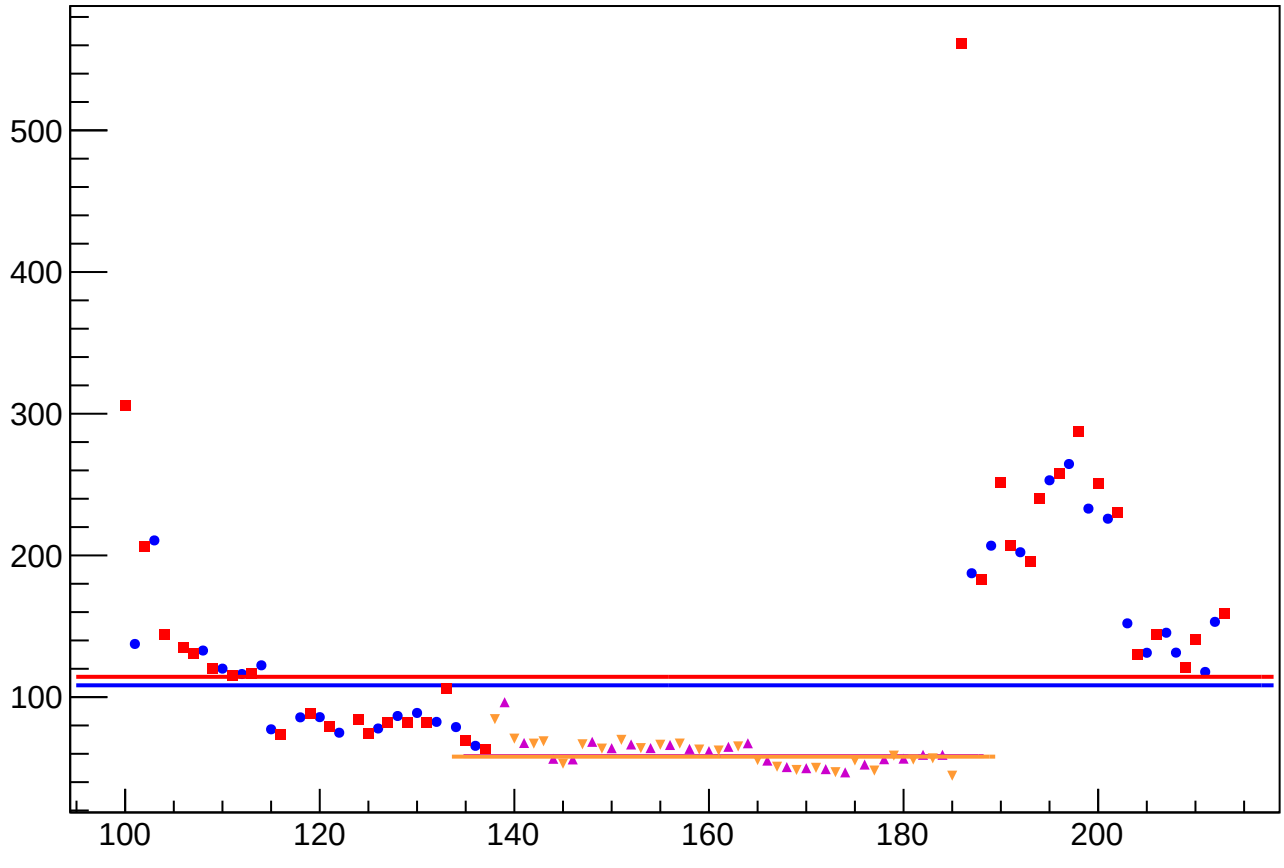
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 8.488+/-20.340 χ^2/NDF: 68.9/62

In: 55.436+/-12.465 χ^2/NDF:57.7/51

Out: 36.119+/-12.172 χ^2/NDF:107.3/58

All: 45.548+/-8.709 χ^2/NDF: 166.2/110



Right In: 108.333+/-0.020 χ^2/NDF: 5147002.0/28

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

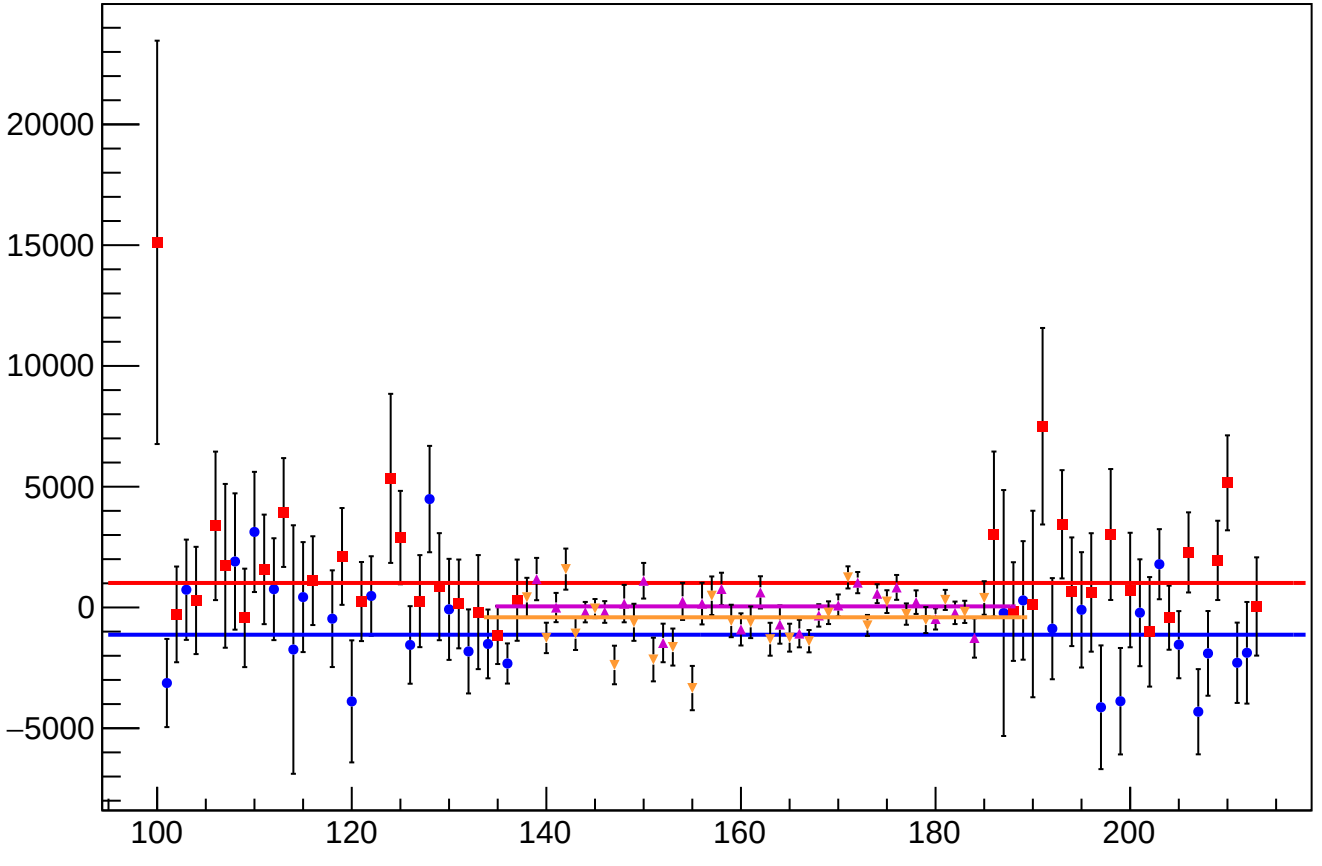
Right: 111.265+/-0.014 χ^2/NDF: 11520920.3/62

In: 67.979+/-0.009 χ^2/NDF:10859665.9/51

Out: 67.862+/-0.009 χ^2/NDF:13326986.1/58

All: 67.919+/-0.006 χ^2/NDF: 24186742.5/110

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1128.419+/-342.161 χ^2/NDF: 30.6/28

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

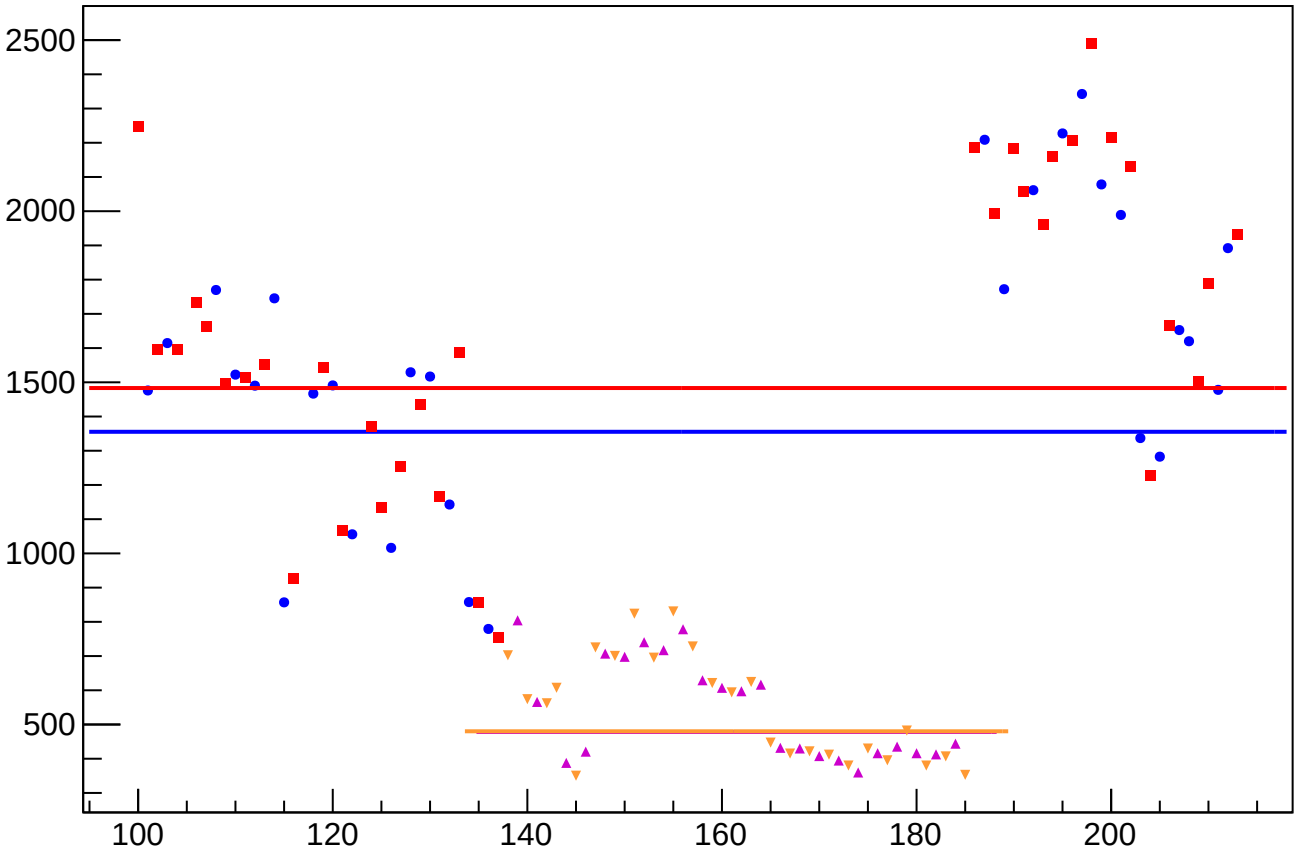
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -98.895+/-246.652 χ^2/NDF: 75.4/62

In: -75.677+/-109.659 χ^2/NDF:72.2/51

Out: -275.182+/-108.106 χ^2/NDF:103.6/58

All: -176.852+/-76.985 χ^2/NDF: 177.5/110



Right In: 1355.389+/-0.242 χ^2/NDF: 3167794.4/28

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

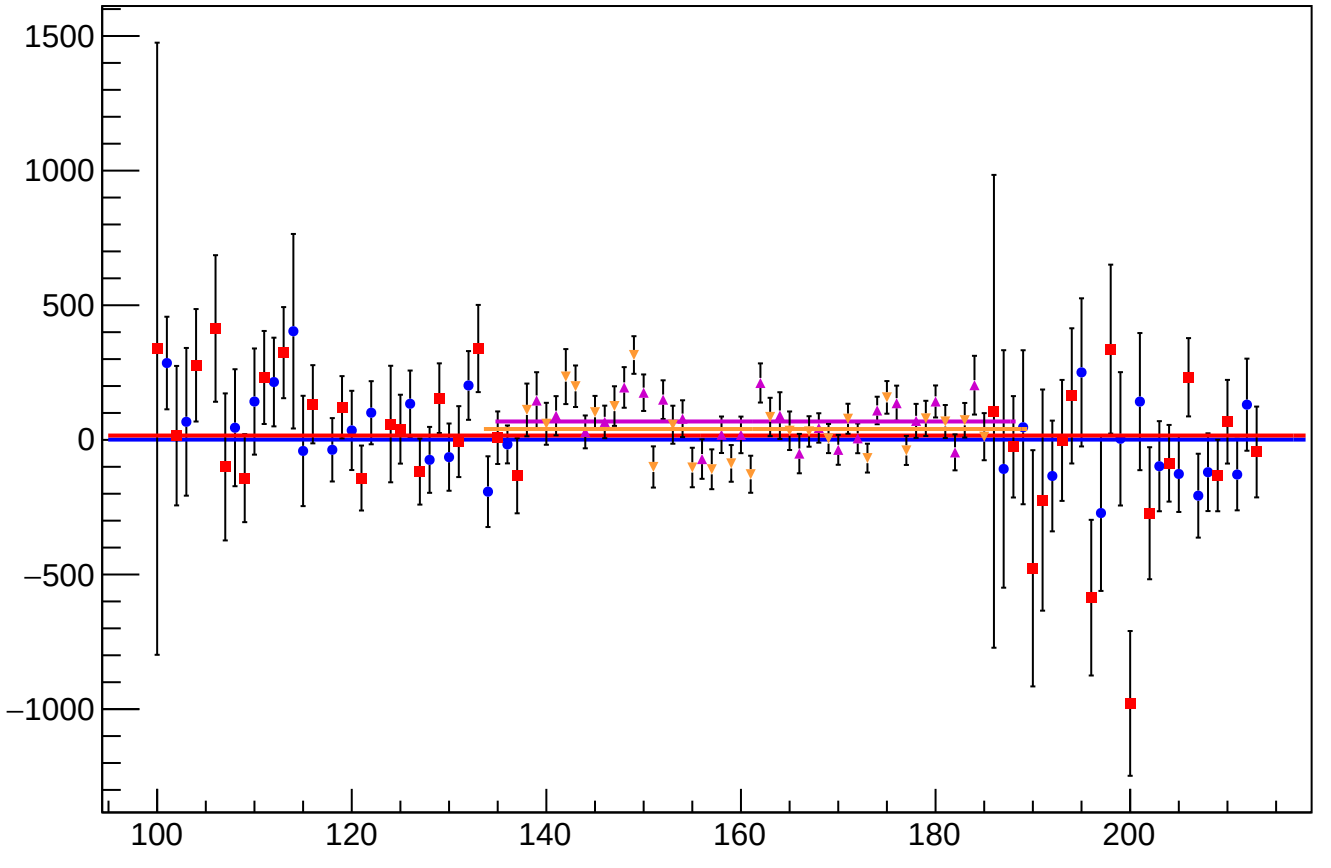
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1416.810+/-0.174 χ^2/NDF: 6382199.5/62

In: 568.194+/-0.078 χ^2/NDF:17181161.6/51

Out: 572.723+/-0.076 χ^2/NDF:20085563.2/58

All: 570.491+/-0.054 χ^2/NDF: 37268455.0/1



Right In: 1.069+/-28.456 χ^2/NDF: 21.5/28

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

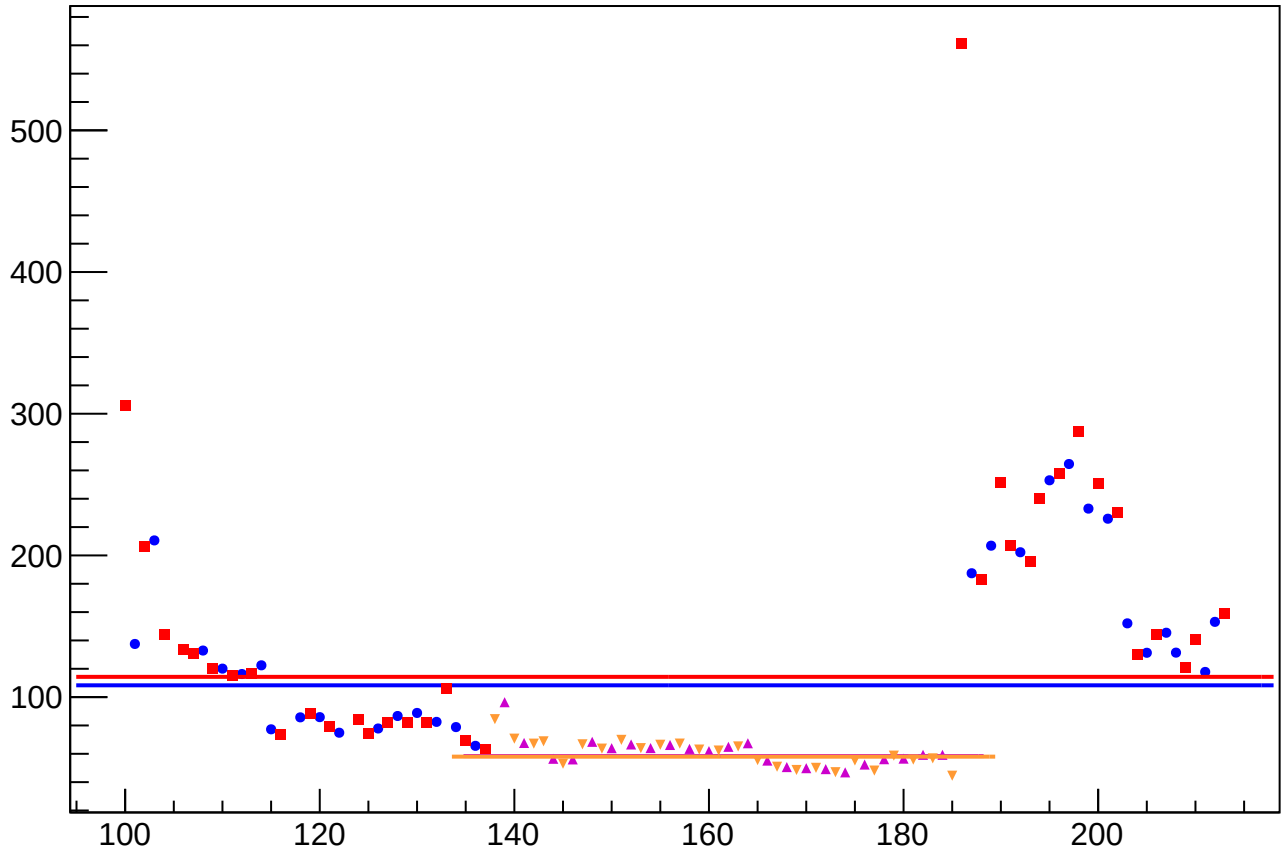
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 8.432+/-20.340 χ^2/NDF: 68.8/62

In: 55.434+/-12.465 χ^2/NDF:57.7/51

Out: 36.103+/-12.172 χ^2/NDF:107.2/58

All: 45.538+/-8.709 χ^2/NDF: 166.2/110



Right In: 108.333+/-0.020 χ^2/NDF: 5147005.0/28

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

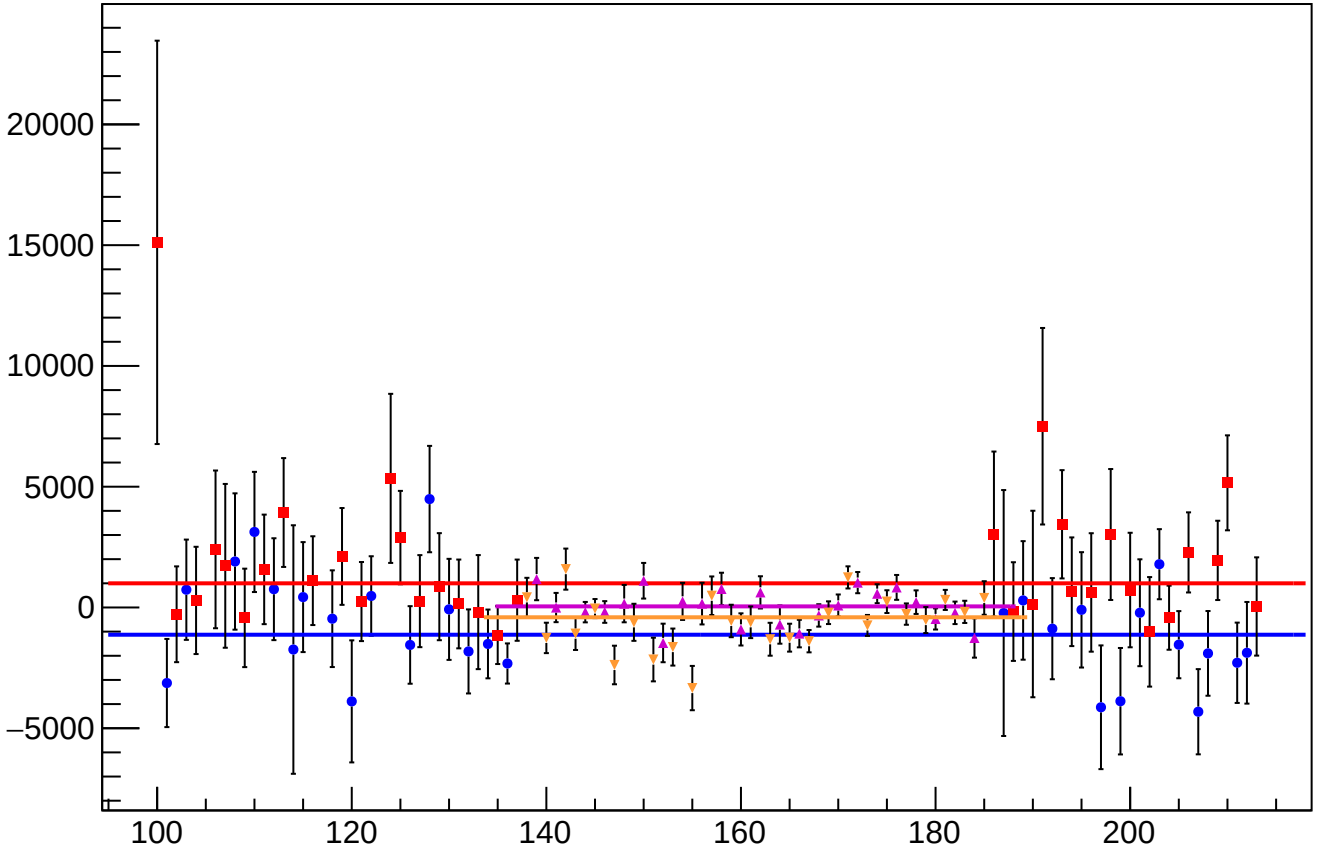
Right: 111.254+/-0.014 χ^2/NDF: 11518718.9/62

In: 67.979+/-0.009 χ^2/NDF:10859668.2/51

Out: 67.857+/-0.009 χ^2/NDF:13319472.2/58

All: 67.917+/-0.006 χ^2/NDF: 24179238.7/110

asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1128.402+/-342.161 χ^2/NDF: 30.6/28

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

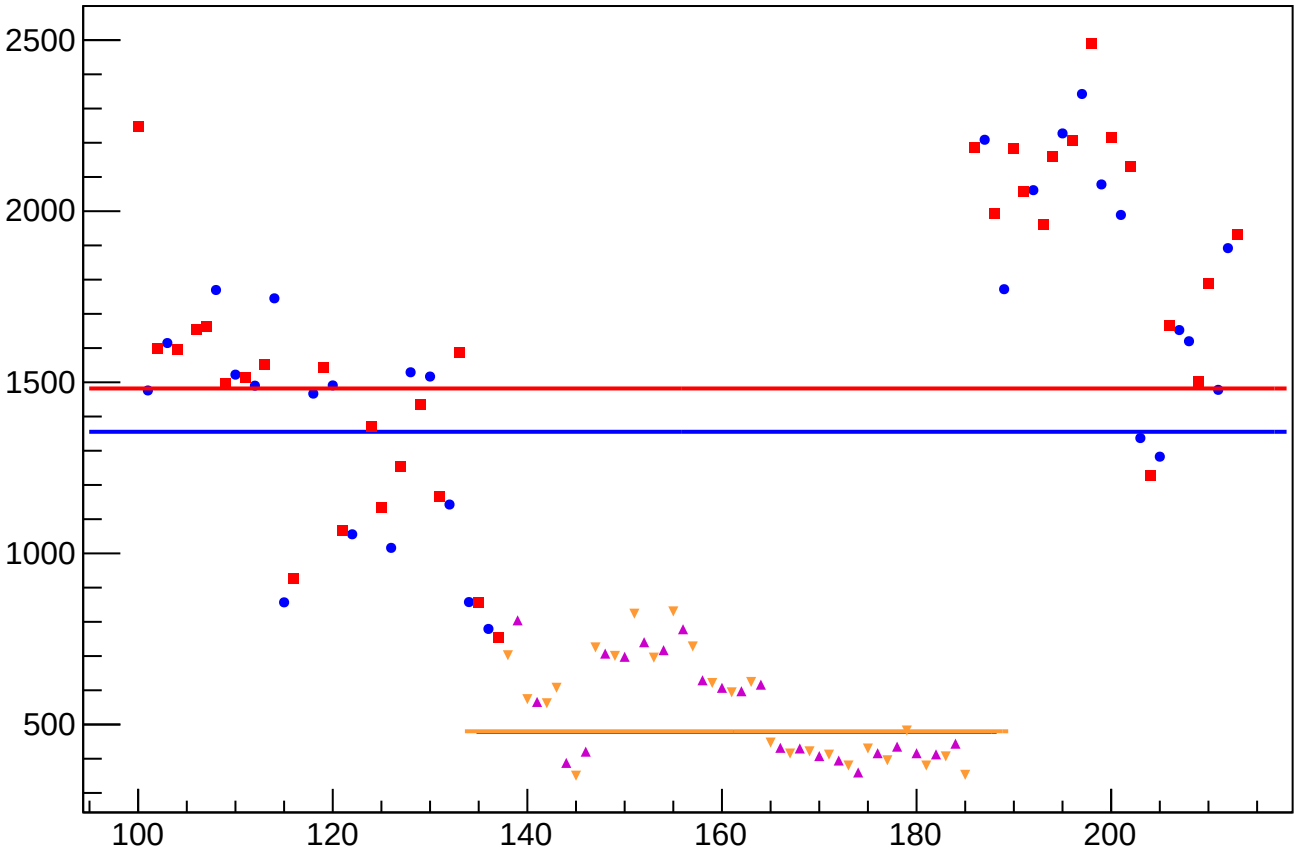
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -106.897+/-246.745 χ^2/NDF: 74.7/62

In: -75.676+/-109.659 χ^2/NDF:72.2/51

Out: -276.744+/-108.114 χ^2/NDF:102.9/58

All: -177.637+/-76.988 χ^2/NDF: 176.8/110



Right In: 1355.390+/-0.242 χ^2/NDF: 3167822.8/28

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

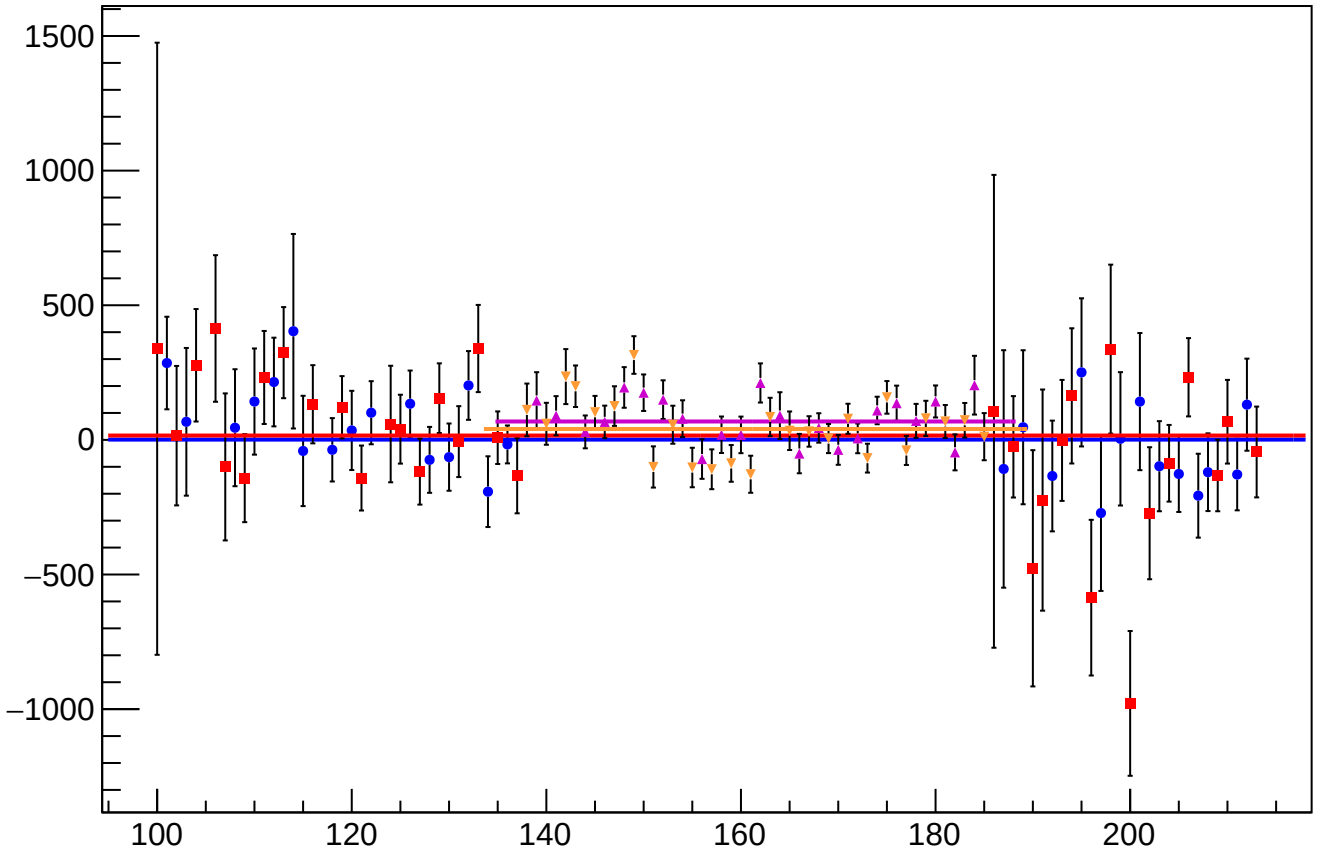
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1416.147+/-0.174 χ^2/NDF: 6371855.2/62

In: 568.194+/-0.078 χ^2/NDF:17181189.4/51

Out: 572.473+/-0.076 χ^2/NDF:20020679.4/58

All: 570.364+/-0.054 χ^2/NDF: 37203413.2/11



Right In: 1.069+/-28.456 χ^2/NDF: 21.5/28

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

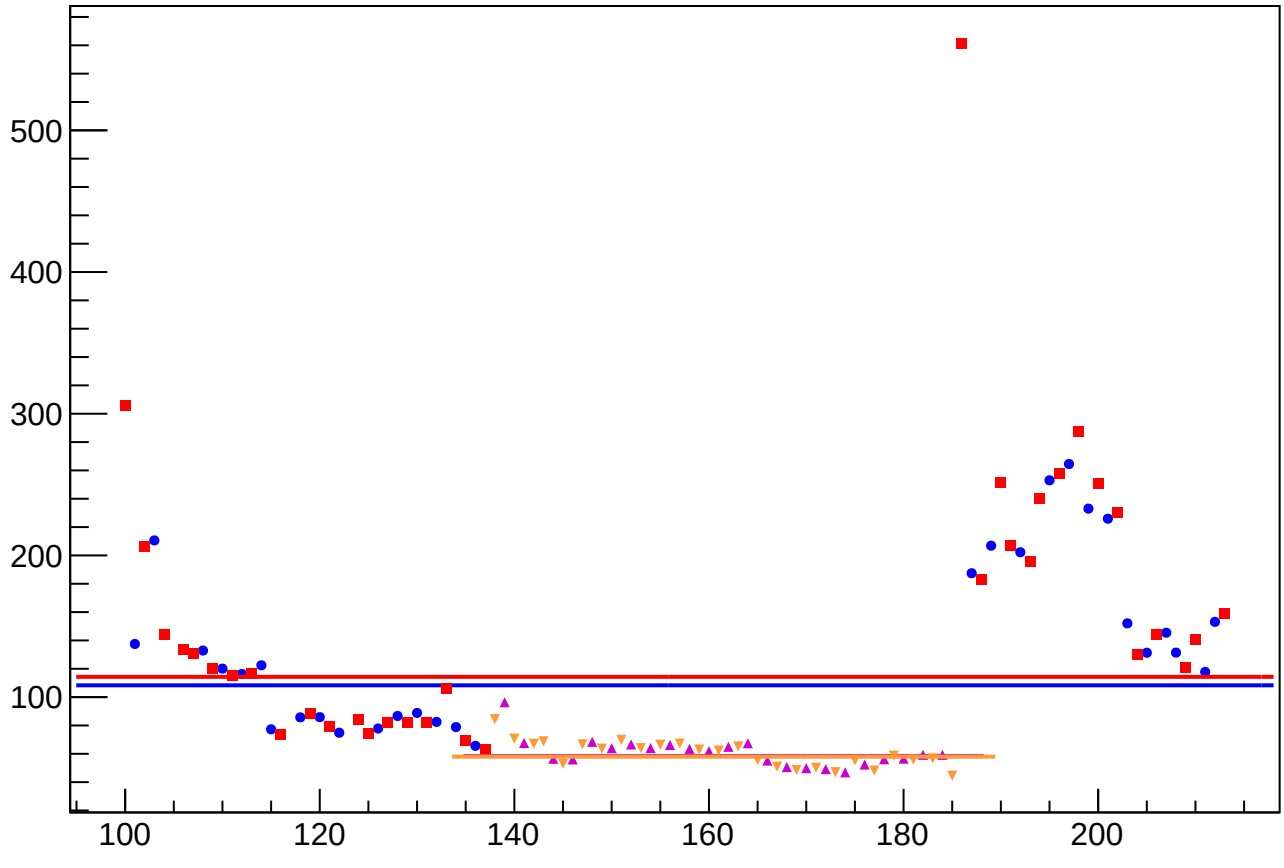
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 8.432+/-20.340 χ^2/NDF: 68.8/62

In: 55.434+/-12.465 χ^2/NDF:57.7/51

Out: 36.103+/-12.172 χ^2/NDF:107.2/58

All: 45.538+/-8.709 χ^2/NDF: 166.2/110



Right In: 108.333+/-0.020 χ^2/NDF: 5147005.0/28

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

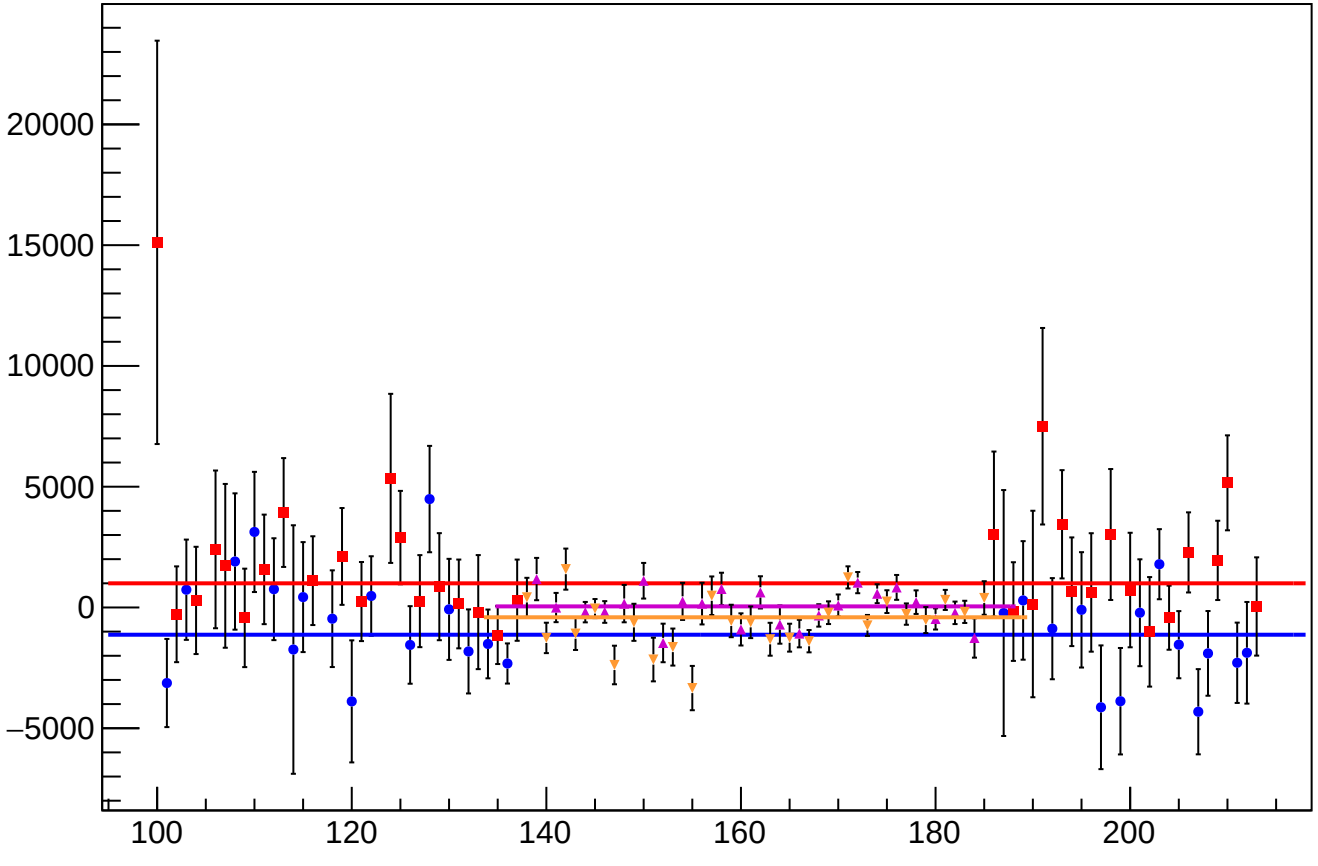
Right: 111.254+/-0.014 χ^2/NDF: 11518718.9/62

In: 67.979+/-0.009 χ^2/NDF:10859668.2/51

Out: 67.857+/-0.009 χ^2/NDF:13319472.2/58

All: 67.917+/-0.006 χ^2/NDF: 24179238.7/110

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1128.402+/-342.161 χ^2/NDF: 30.6/28

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

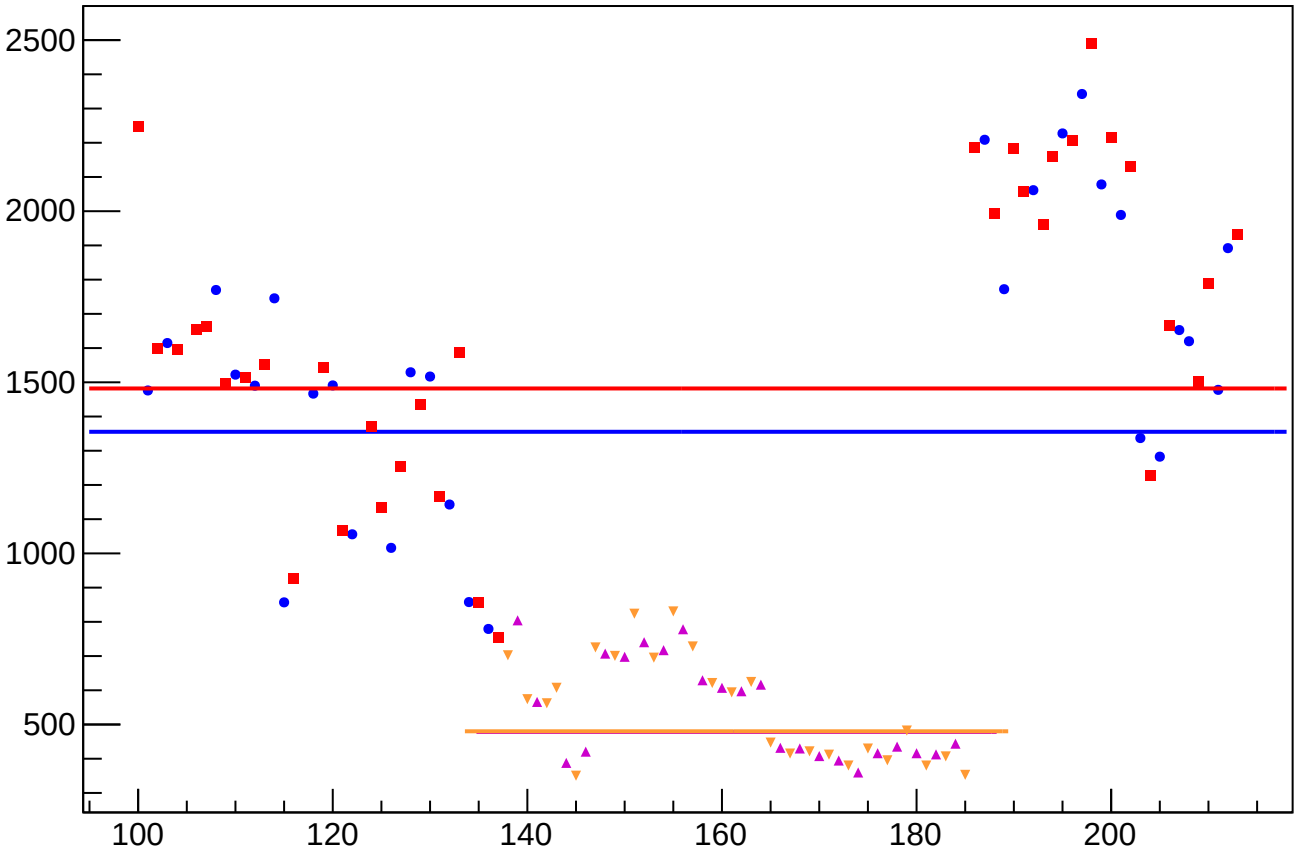
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -106.897+/-246.745 χ^2/NDF: 74.7/62

In: -75.676+/-109.659 χ^2/NDF:72.2/51

Out: -276.744+/-108.114 χ^2/NDF:102.9/58

All: -177.637+/-76.988 χ^2/NDF: 176.8/110



Right In: 1355.390+/-0.242 χ^2/NDF: 3167822.8/28

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

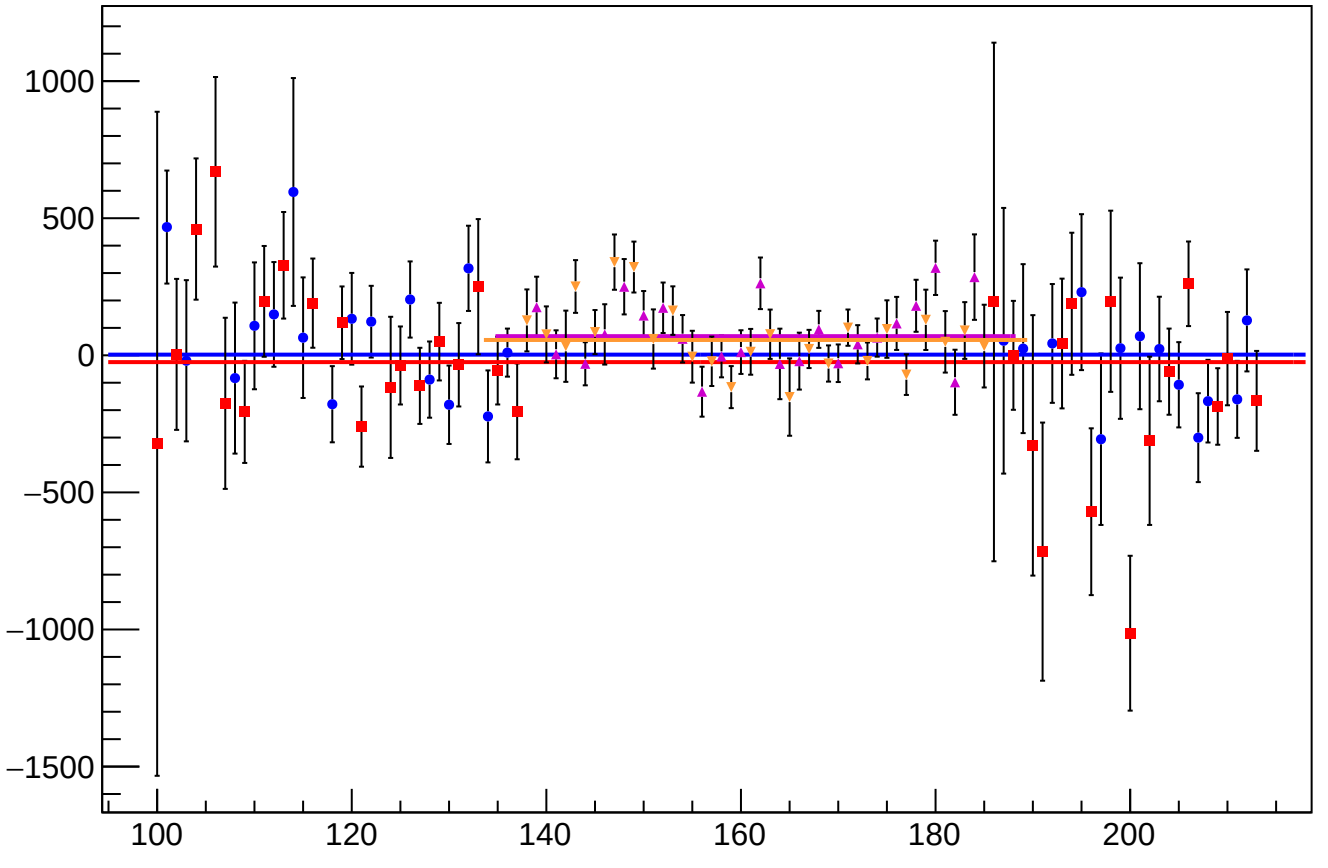
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1416.147+/-0.174 χ^2/NDF: 6371855.2/62

In: 568.194+/-0.078 χ^2/NDF:17181189.4/51

Out: 572.473+/-0.076 χ^2/NDF:20020679.4/58

All: 570.364+/-0.054 χ^2/NDF: 37203413.2/11



Right In: 2.449+/-32.529 χ^2/NDF: 30.1/28

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

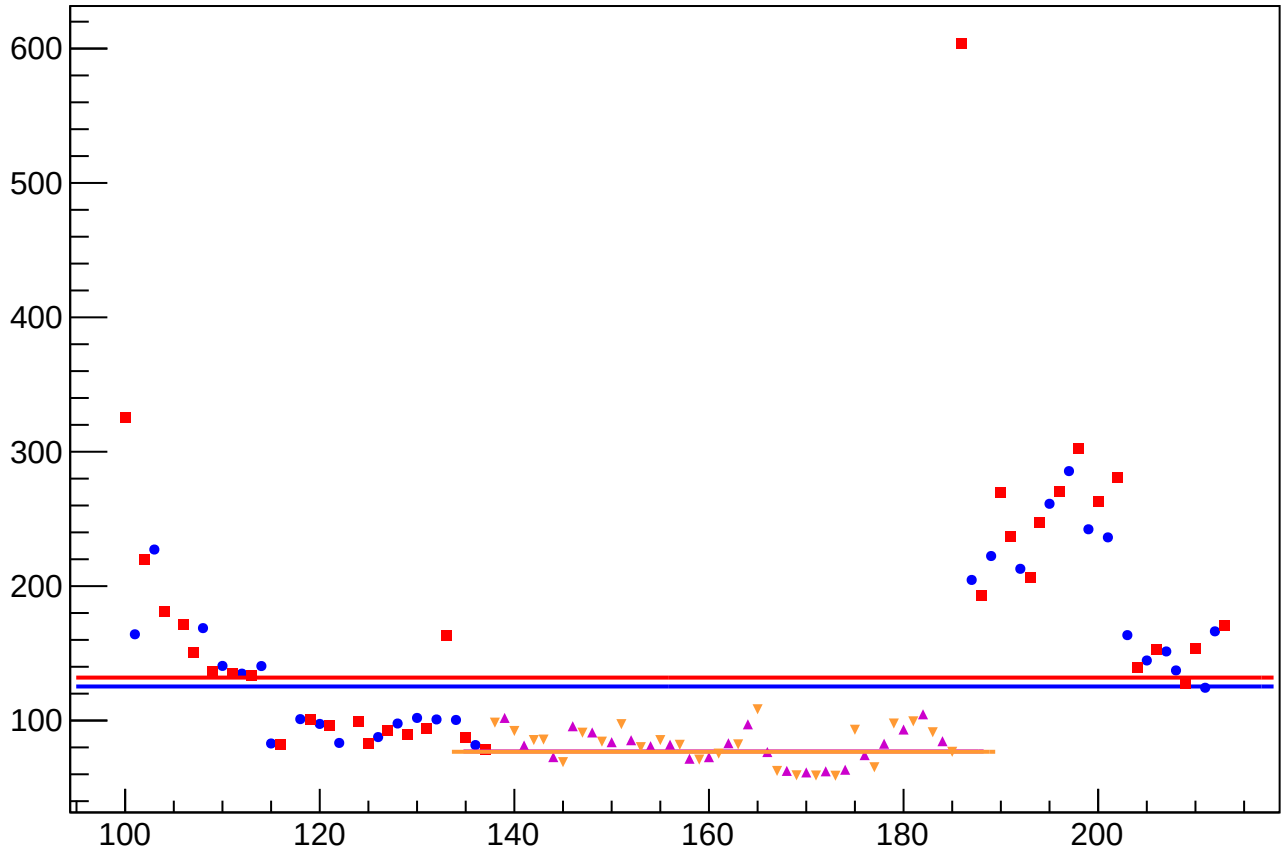
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -10.877+/-23.262 χ^2/NDF: 78.1/62

In: 53.377+/-16.079 χ^2/NDF:67.9/51

Out: 37.746+/-15.798 χ^2/NDF:90.5/58

All: 45.424+/-11.269 χ^2/NDF: 158.9/110



Right In: 125.330+/-0.023 χ^2/NDF: 4236668.5/28

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

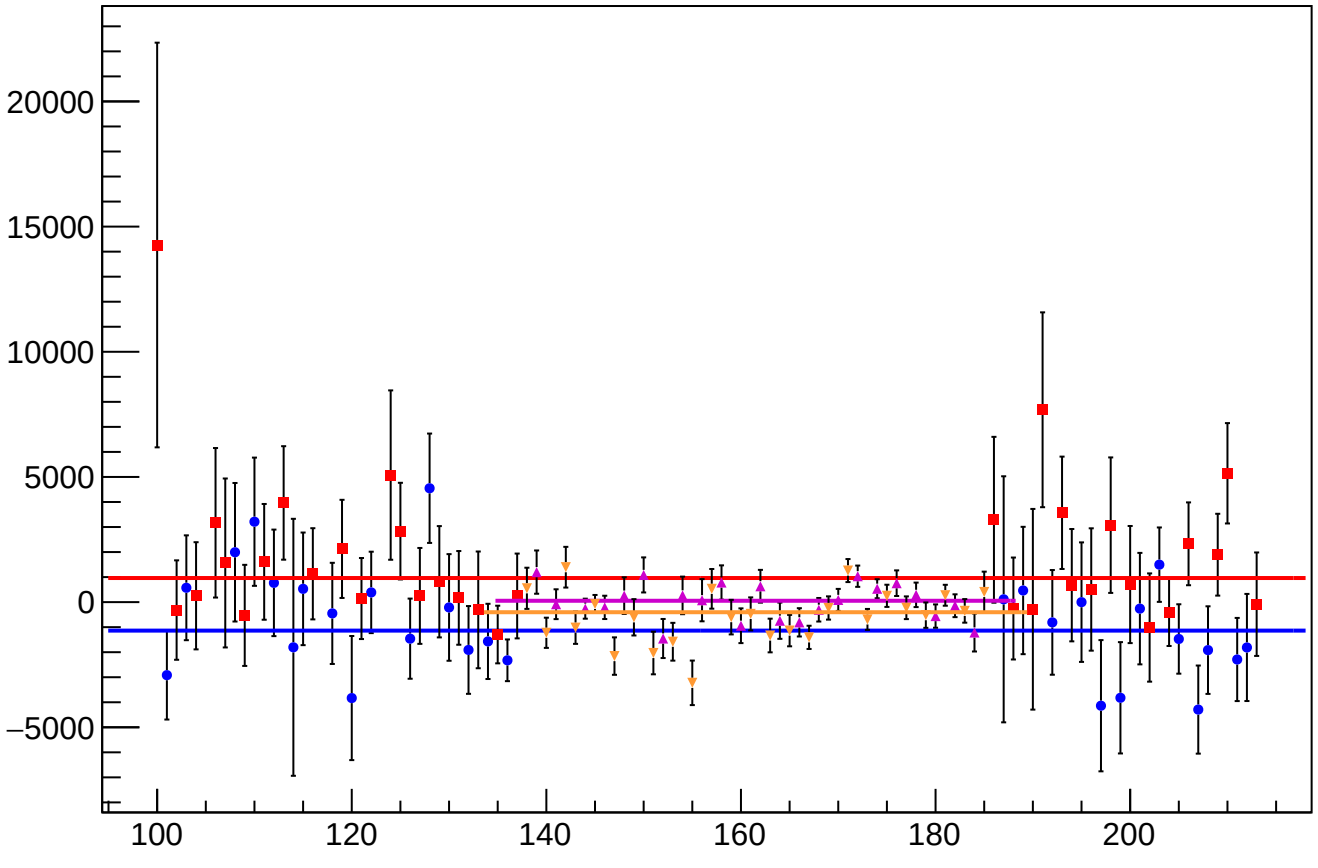
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 128.564+/-0.016 χ^2/NDF: 9837827.6/62

In: 88.822+/-0.011 χ^2/NDF:8429419.3/51

Out: 89.184+/-0.011 χ^2/NDF:11058759.6/58

All: 89.007+/-0.008 χ^2/NDF: 19488694.5/110



Right In: -1137.850+/-343.897 χ^2/NDF: 29.5/28

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

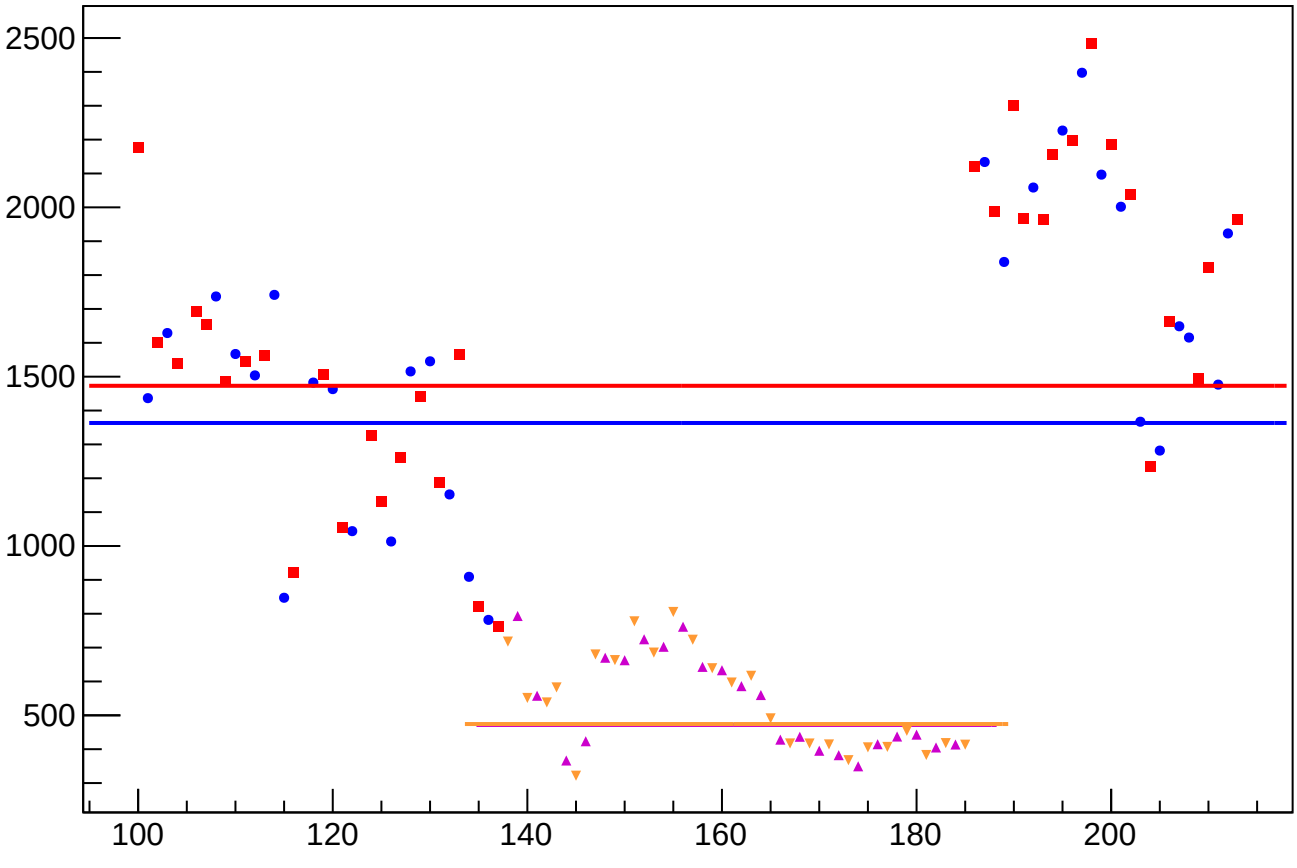
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -116.922+/-246.542 χ^2/NDF: 75.0/62

In: -64.247+/-108.400 χ^2/NDF:71.0/51

Out: -279.305+/-106.576 χ^2/NDF:101.6/58

All: -173.601+/-75.998 χ^2/NDF: 174.6/110



Right In: 1363.278+/-0.243 χ^2/NDF: 3146384.9/28

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

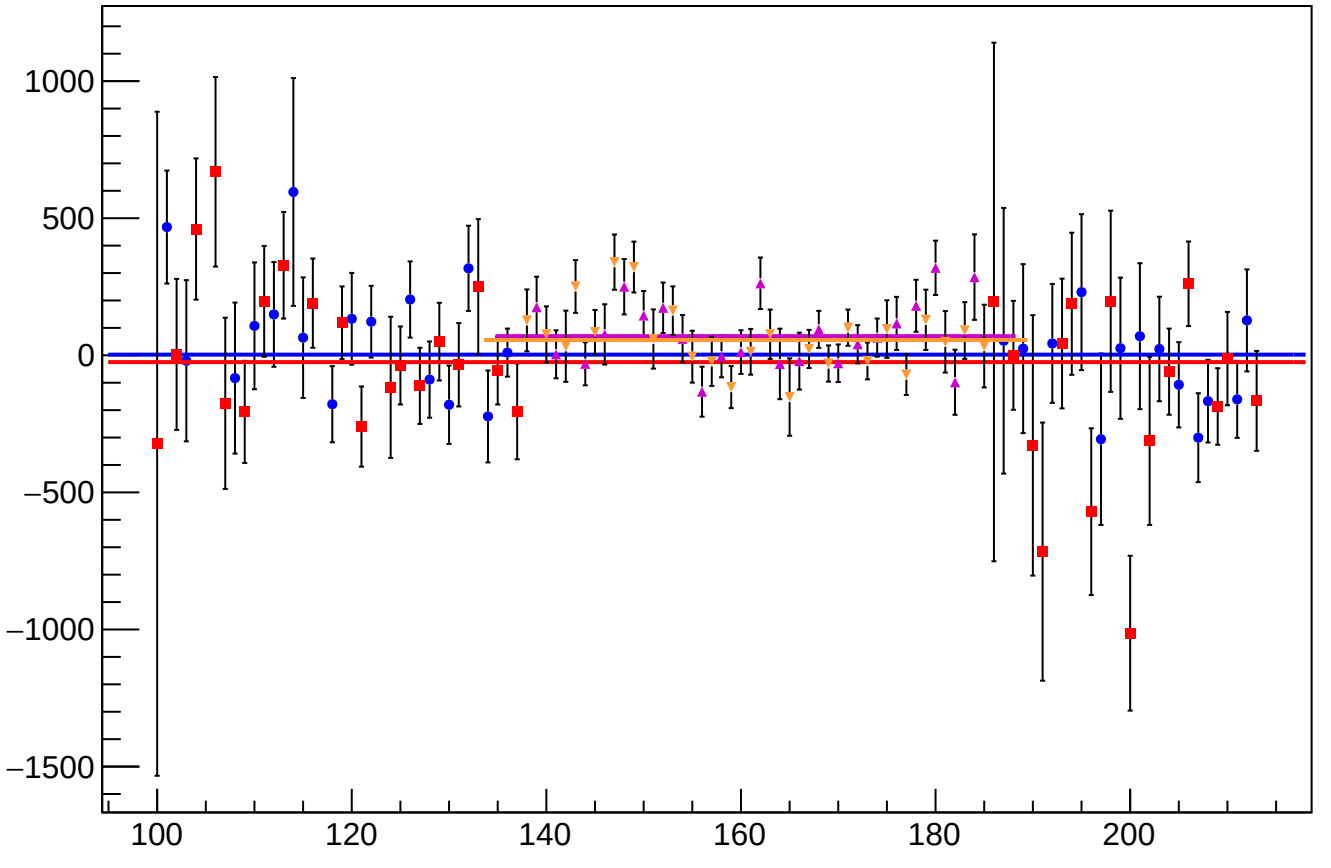
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1416.641+/-0.174 χ^2/NDF: 6385364.2/62

In: 560.066+/-0.077 χ^2/NDF:17469549.6/51

Out: 565.010+/-0.075 χ^2/NDF:20183498.6/58

All: 562.580+/-0.054 χ^2/NDF: 37655163.9/11



Right In: 2.450+/-32.528 χ^2/NDF: 30.1/28

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

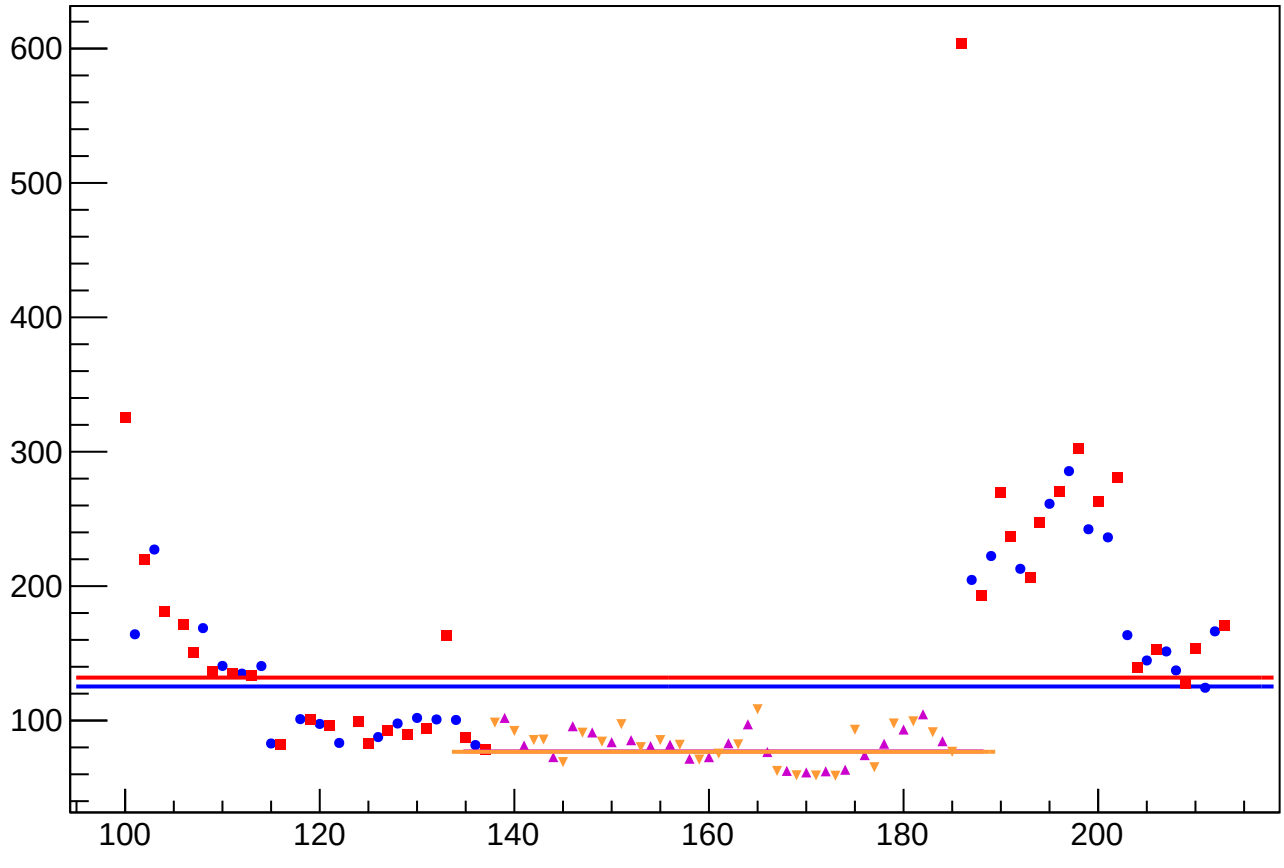
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -10.877+/-23.262 χ^2/NDF: 78.1/62

In: 53.376+/-16.079 χ^2/NDF:67.9/51

Out: 37.745+/-15.798 χ^2/NDF:90.5/58

All: 45.423+/-11.269 χ^2/NDF: 158.9/110



Right In: 125.330+/-0.023 χ^2/NDF: 4236680.0/28

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

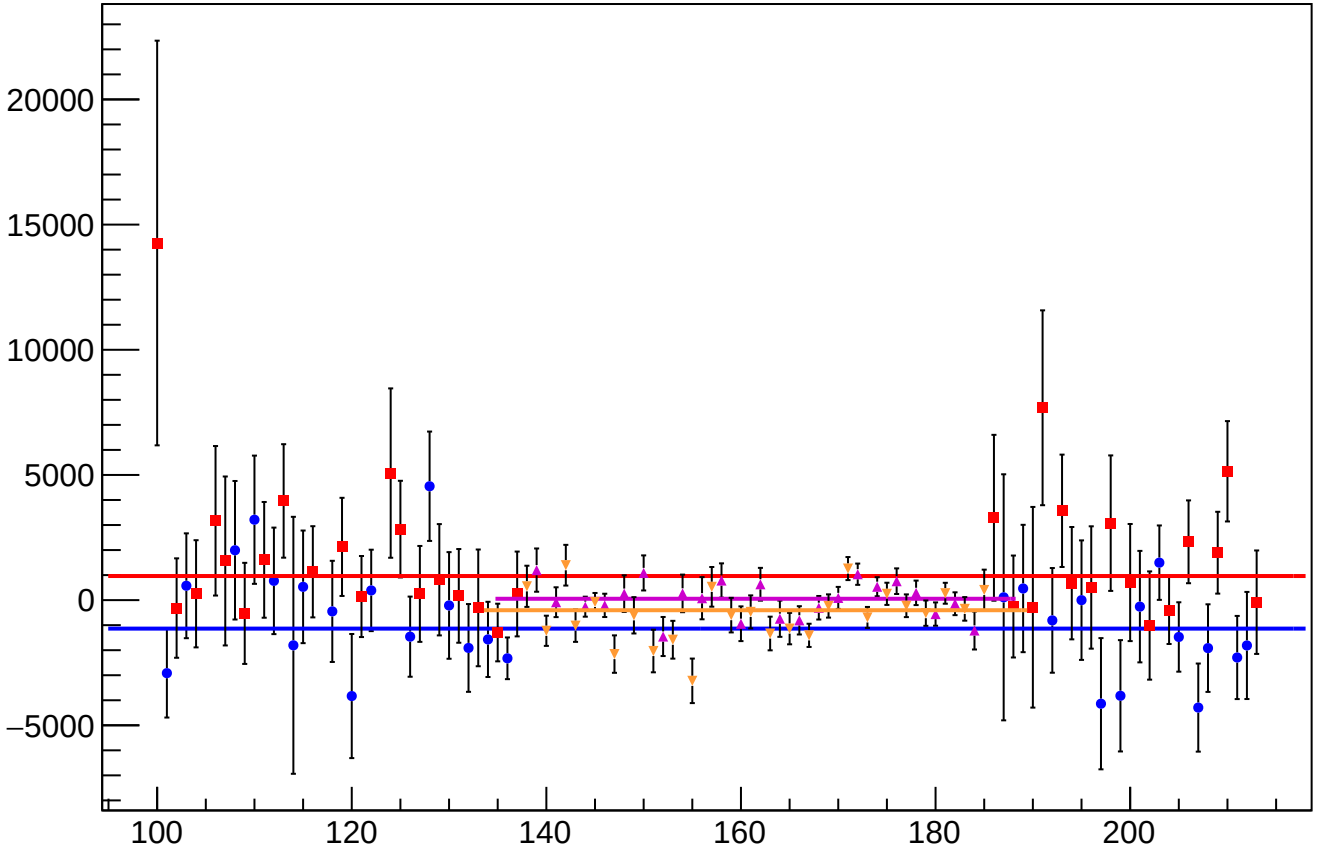
Right: 128.564+/-0.016 χ^2/NDF: 9837851.5/62

In: 88.823+/-0.011 χ^2/NDF:8429354.1/51

Out: 89.185+/-0.011 χ^2/NDF:11058711.8/58

All: 89.007+/-0.008 χ^2/NDF: 19488581.5/110

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1137.846+/-343.897 χ^2/NDF: 29.5/28

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

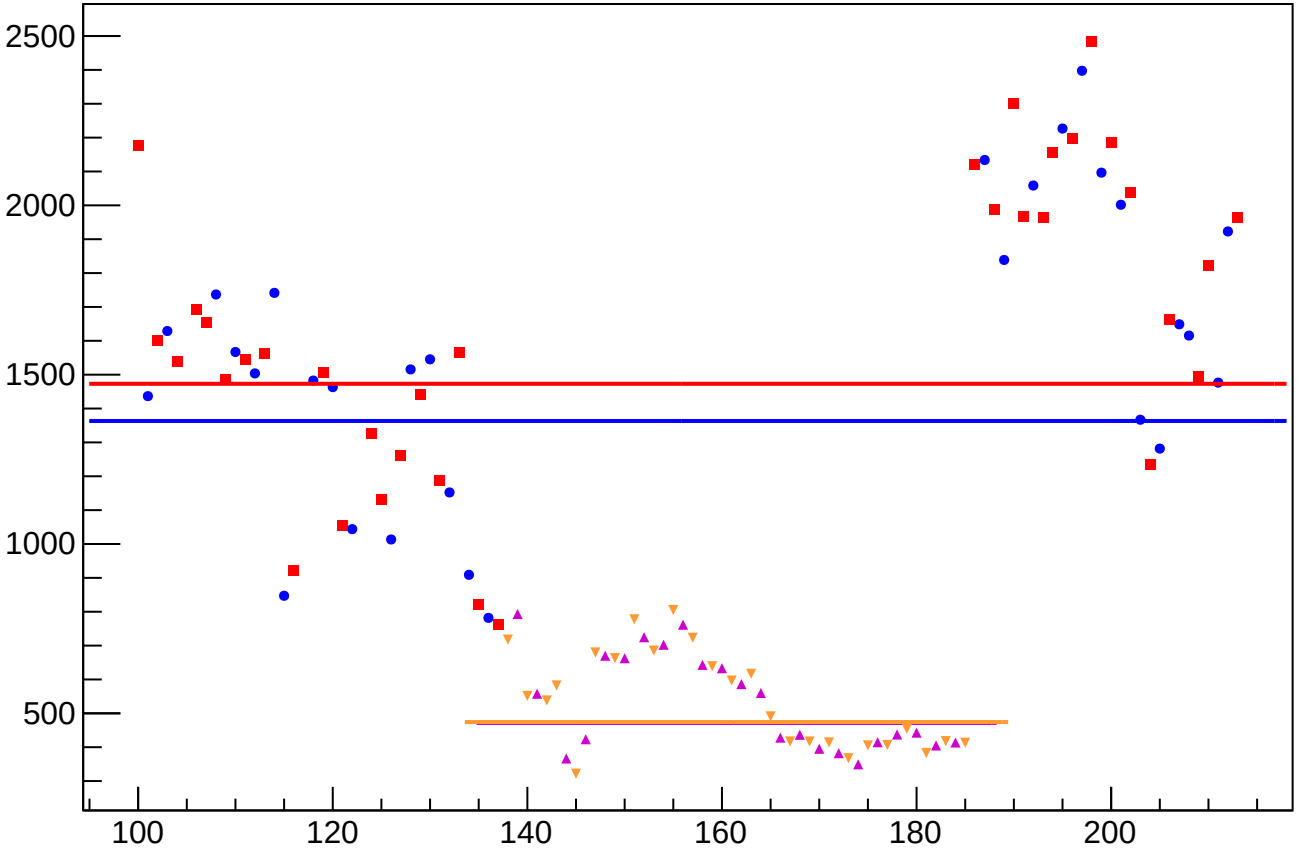
Right: -116.921+/-246.542 χ^2/NDF: 75.0/62

In: -64.247+/-108.400 χ^2/NDF:71.0/51

Out: -279.304+/-106.576 χ^2/NDF:101.6/58

All: -173.600+/-75.997 χ^2/NDF: 174.6/110

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1363.277+/-0.243 χ^2/NDF: 3146377.1/28

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

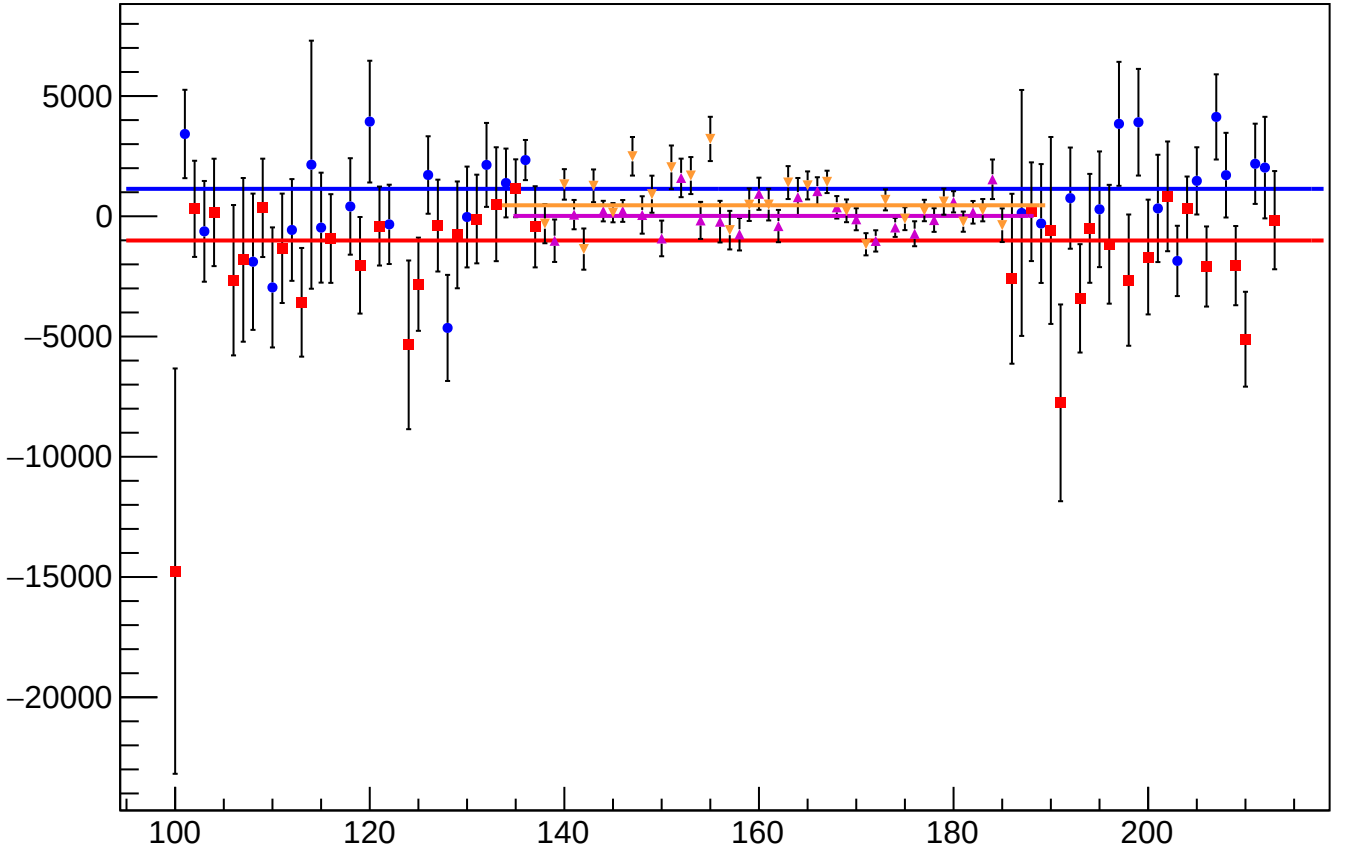
Right: 1416.640+/-0.174 χ^2/NDF: 6385352.4/62

In: 560.066+/-0.077 χ^2/NDF:17469535.6/51

Out: 565.010+/-0.075 χ^2/NDF:20183497.3/58

All: 562.580+/-0.054 χ^2/NDF: 37655148.4/11

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 1140.886+/-343.716 χ^2/NDF: 30.3/28

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

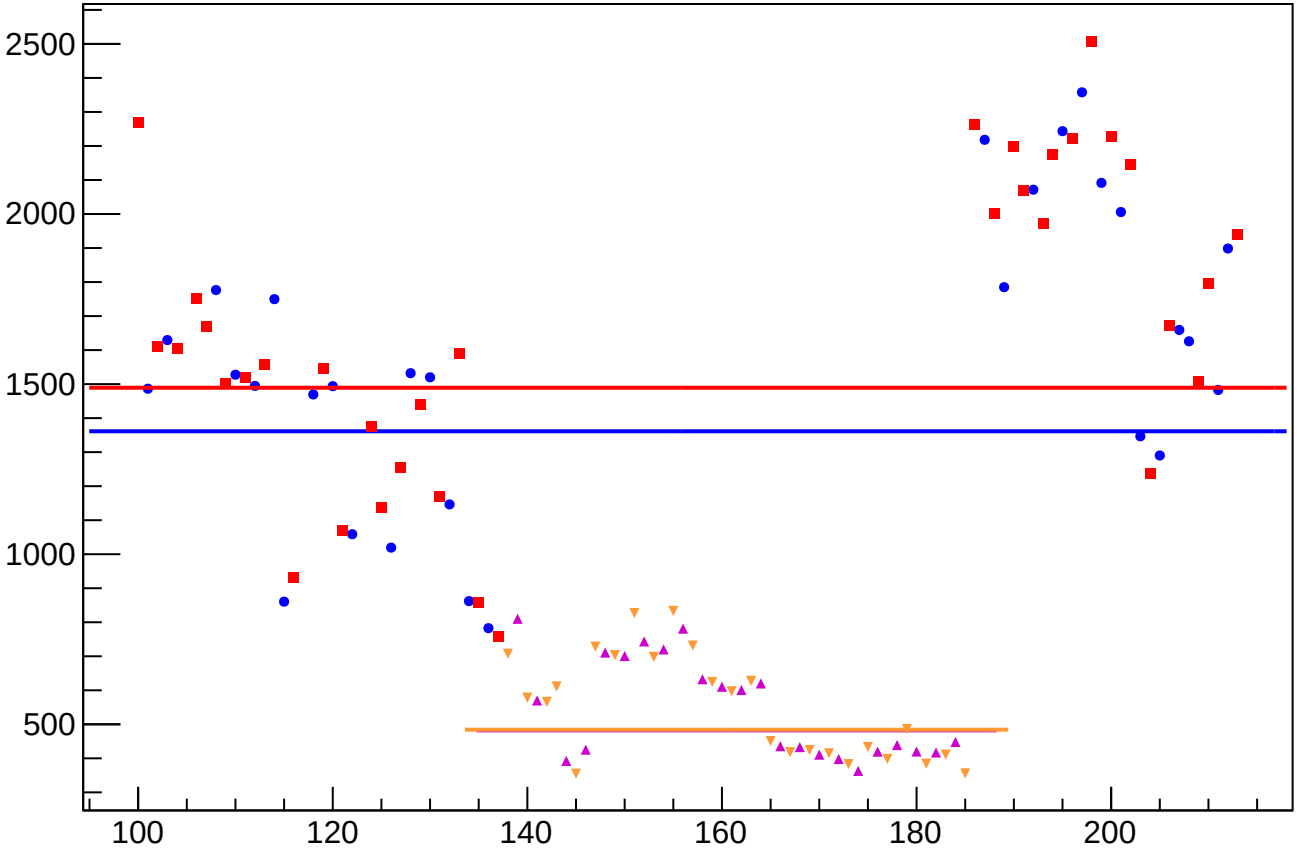
Right: 109.341+/-247.787 χ^2/NDF: 73.3/62

In: 131.455+/-110.505 χ^2/NDF:70.2/51

Out: 321.418+/-108.916 χ^2/NDF:98.9/58

All: 227.812+/-77.571 χ^2/NDF: 170.6/110

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1361.353+/-0.243 χ^2/NDF: 3177898.8/28

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

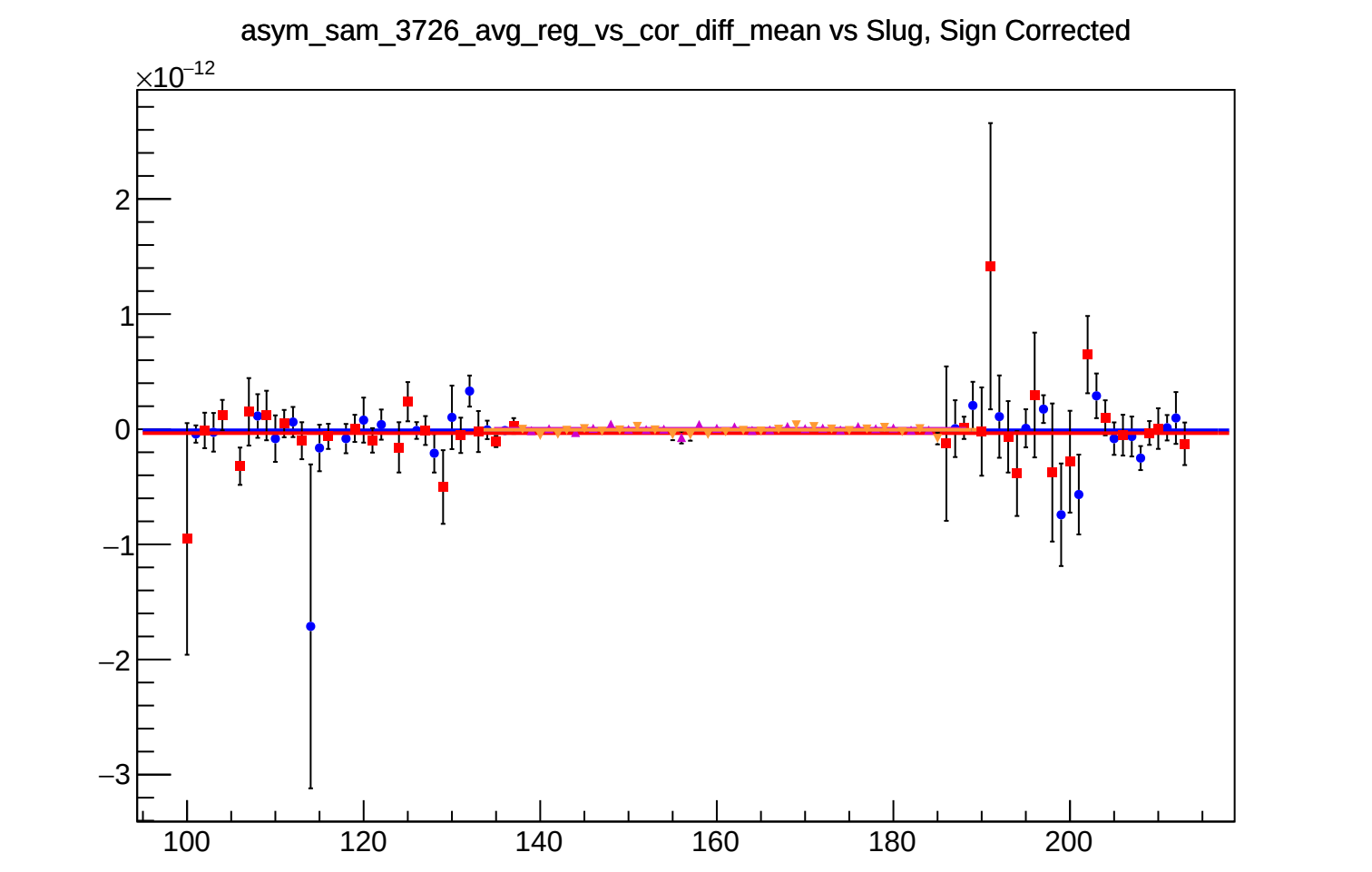
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1422.851+/-0.175 χ^2/NDF: 6421379.4/62

In: 573.035+/-0.078 χ^2/NDF:17097739.1/51

Out: 577.415+/-0.077 χ^2/NDF:20001933.6/58

All: 575.257+/-0.055 χ^2/NDF: 37101265.9/1



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/28

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.4/33

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

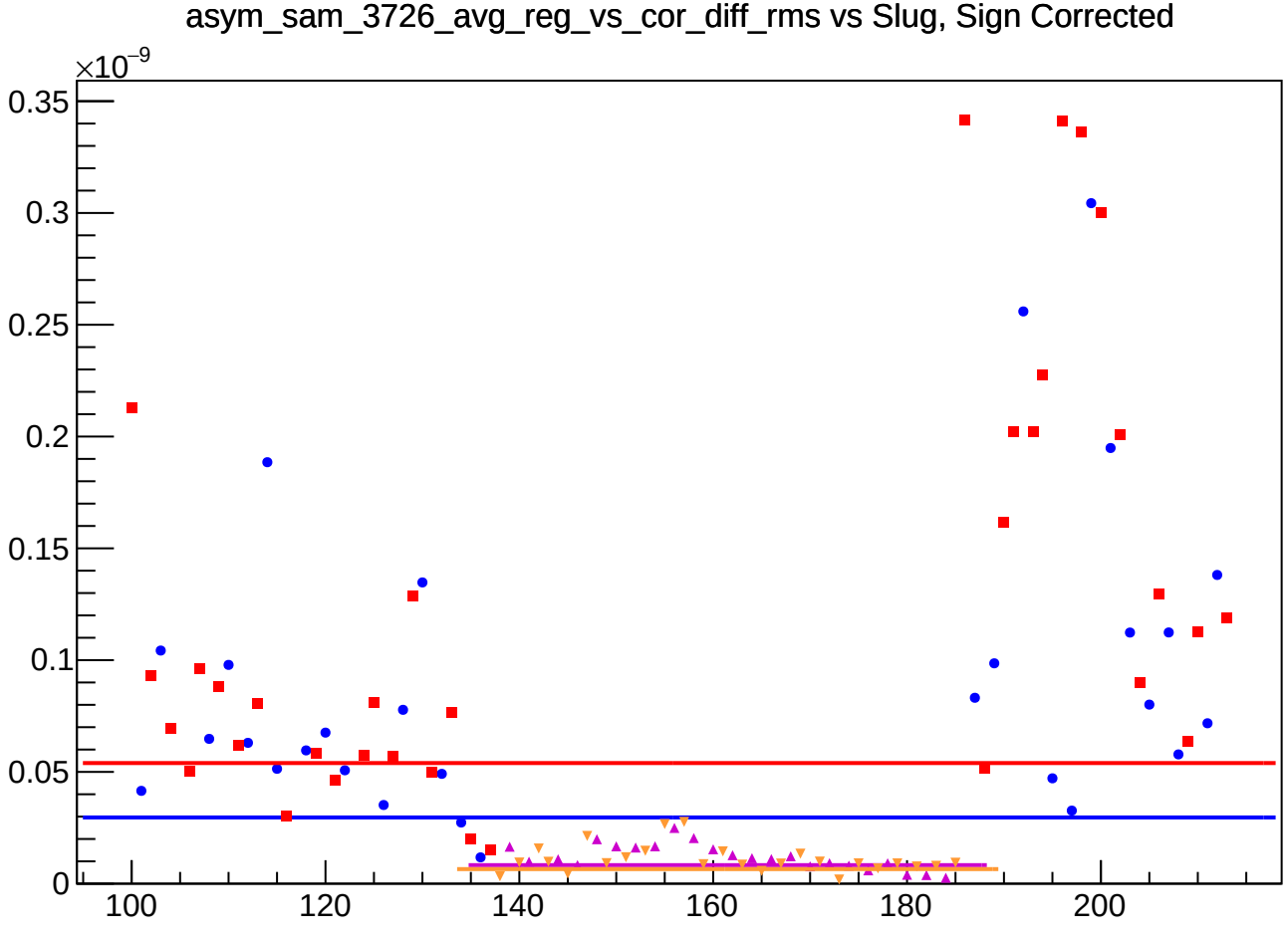
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 54.1/62

In: 0.000+/-0.000 χ^2/NDF:44.6/51

Out: -0.000+/-0.000 χ^2/NDF:56.9/58

All: -0.000+/-0.000 χ^2/NDF: 104.7/110



Right In: 0.000+/-0.000 χ^2/NDF: 7524436.9/28

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

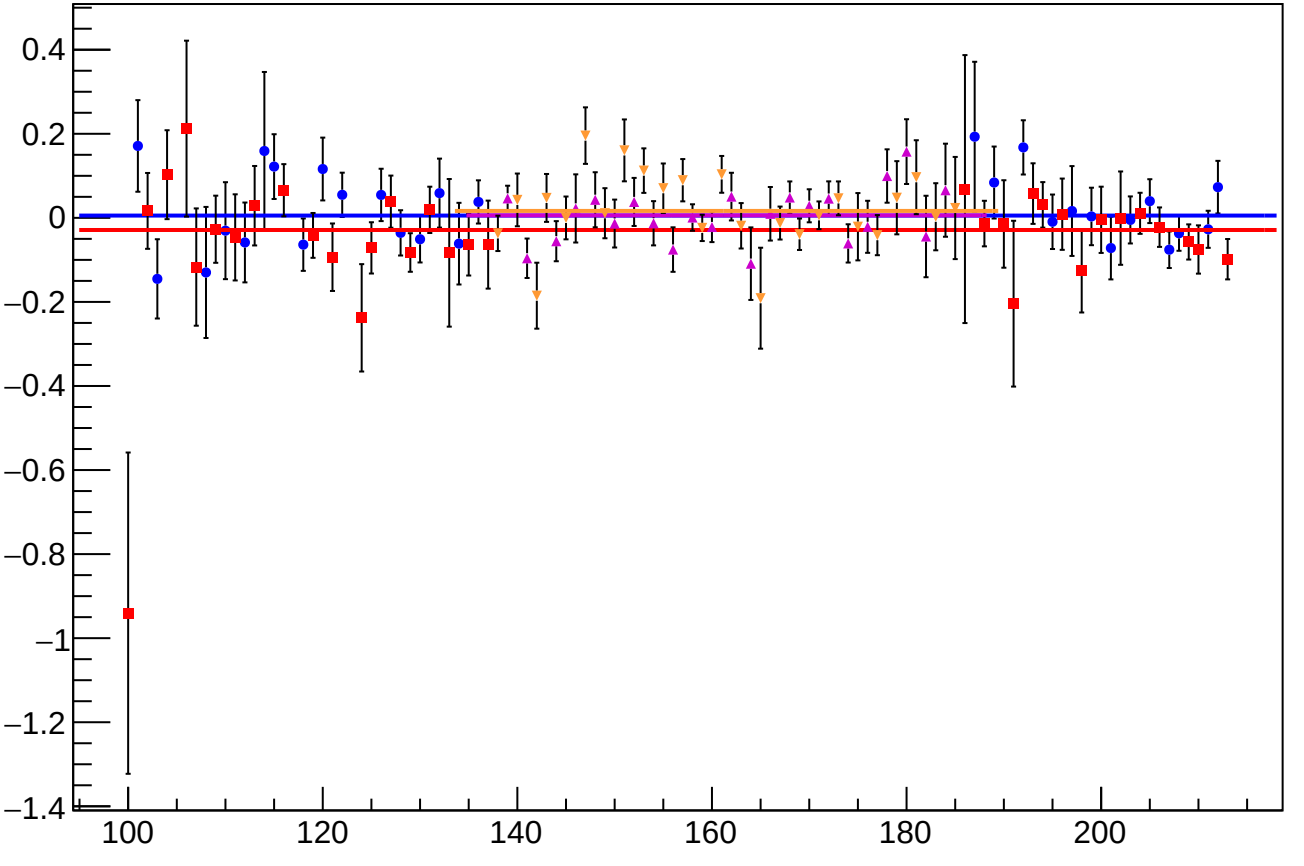
Right: 0.000+/-0.000 χ^2/NDF: 15646255.3/62

In: 0.000+/-0.000 χ^2/NDF:13597697.4/51

Out: 0.000+/-0.000 χ^2/NDF:18175705.7/58

All: 0.000+/-0.000 χ^2/NDF: 32133089.6/110

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.012 χ^2/NDF: 33.1/28

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

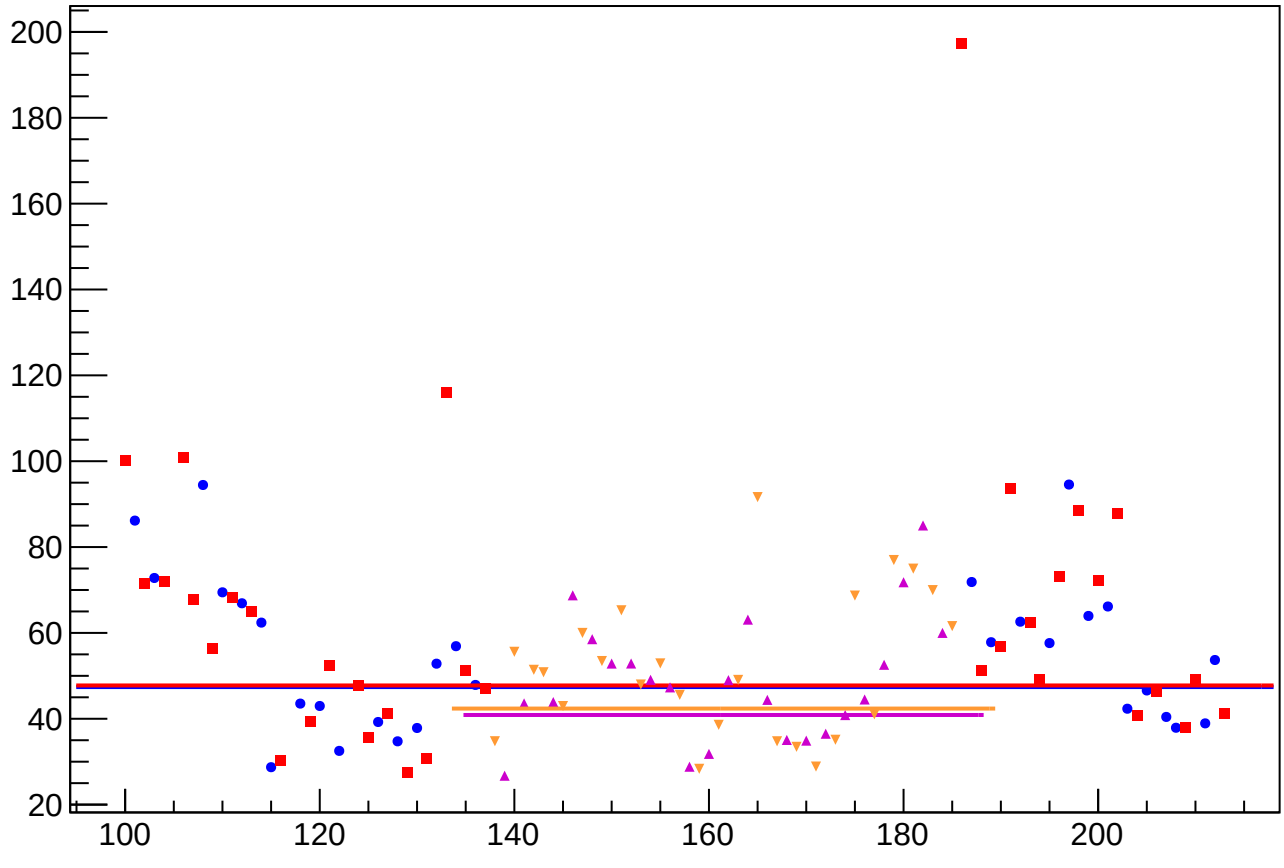
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.012+/-0.009 χ^2/NDF: 65.4/62

In: 0.006+/-0.008 χ^2/NDF:59.0/51

Out: -0.003+/-0.008 χ^2/NDF:77.6/58

All: 0.002+/-0.006 χ^2/NDF: 137.1/110



Right In: 47.386+/-0.009 χ^2/NDF: 2402448.4/28

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

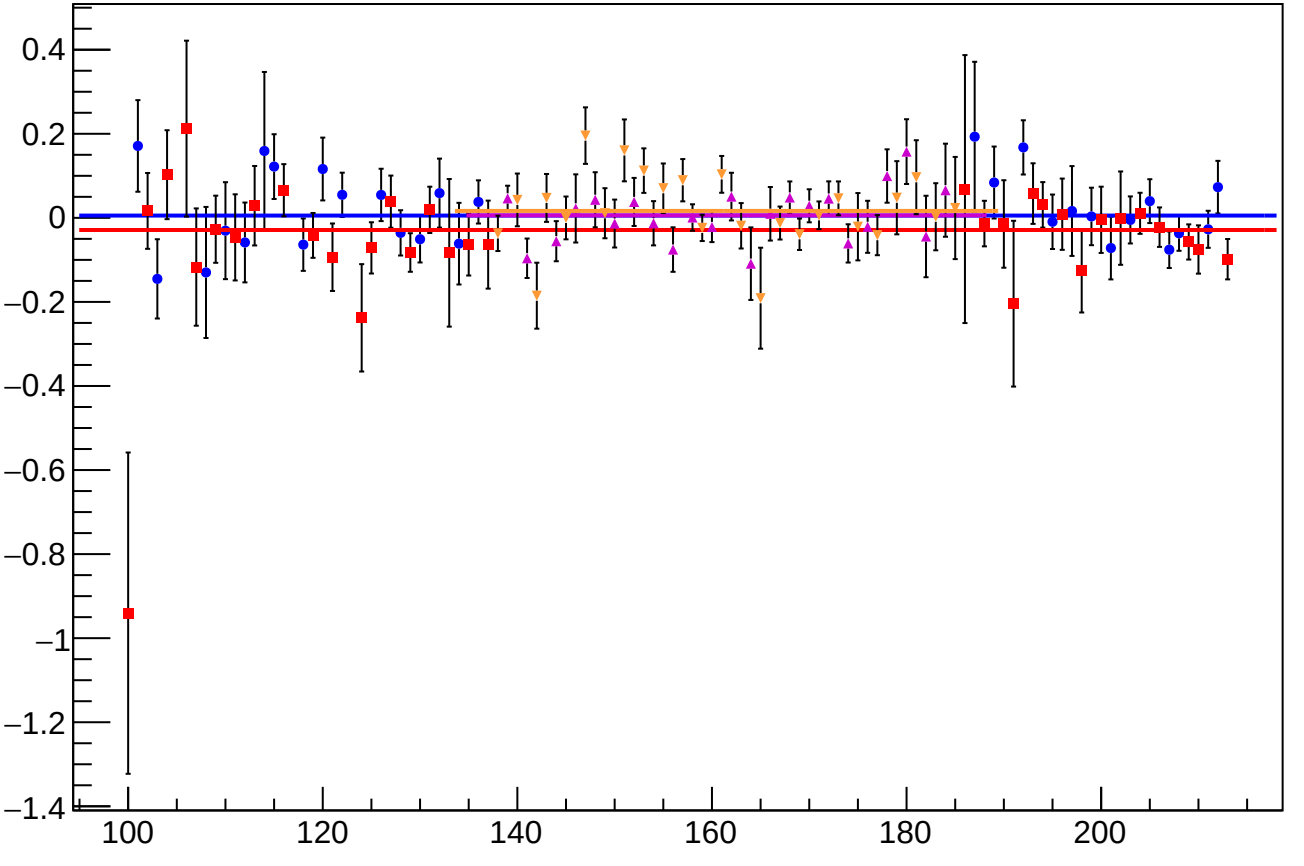
Right: 47.574+/-0.006 χ^2/NDF: 6045358.5/62

In: 43.570+/-0.006 χ^2/NDF:5411835.6/51

Out: 44.642+/-0.006 χ^2/NDF:7060881.1/58

All: 44.106+/-0.004 χ^2/NDF: 12491225.4/110

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.012 χ^2/NDF: 33.1/28

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

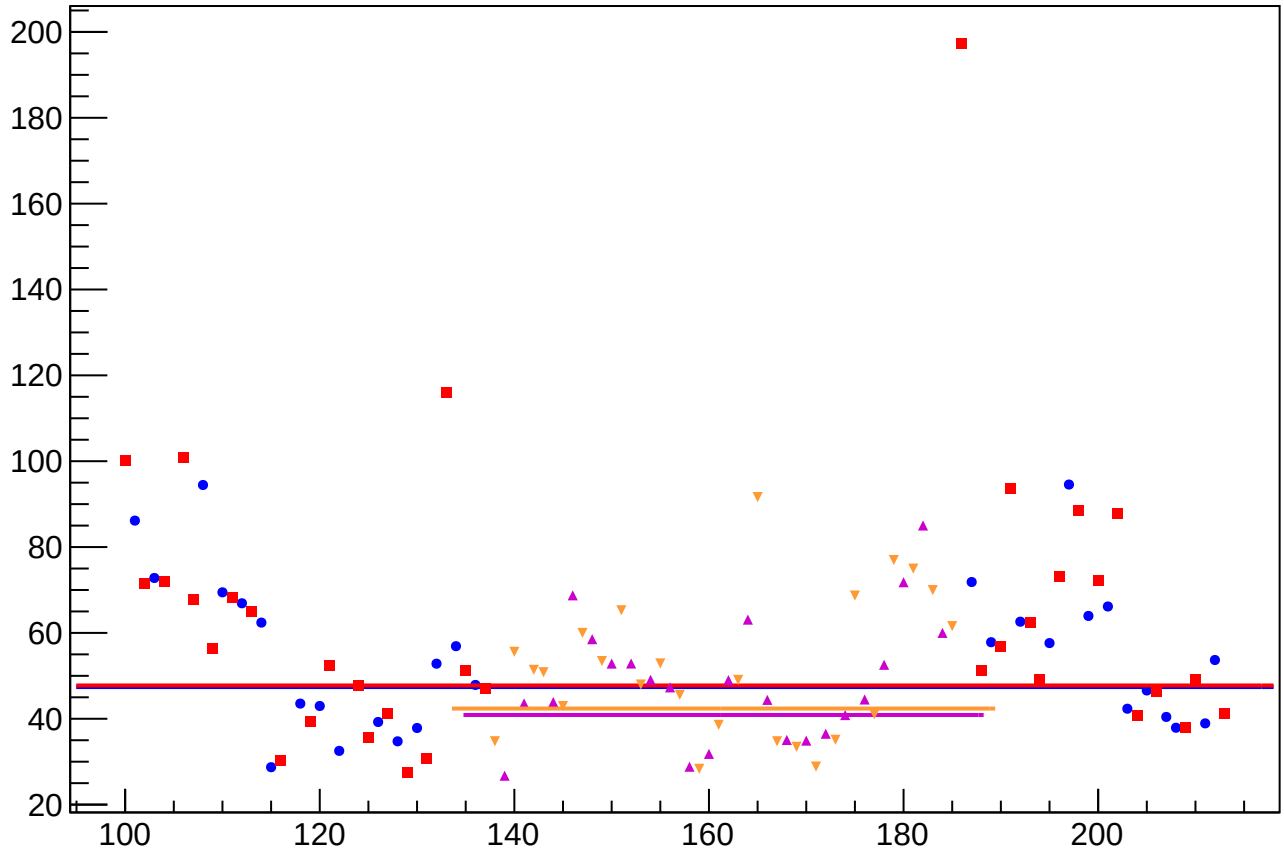
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.012+/-0.009 χ^2/NDF: 65.4/62

In: 0.006+/-0.008 χ^2/NDF:59.0/51

Out: -0.003+/-0.008 χ^2/NDF:77.6/58

All: 0.002+/-0.006 χ^2/NDF: 137.1/110



Right In: 47.386+/-0.009 χ^2/NDF: 2402448.4/28

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

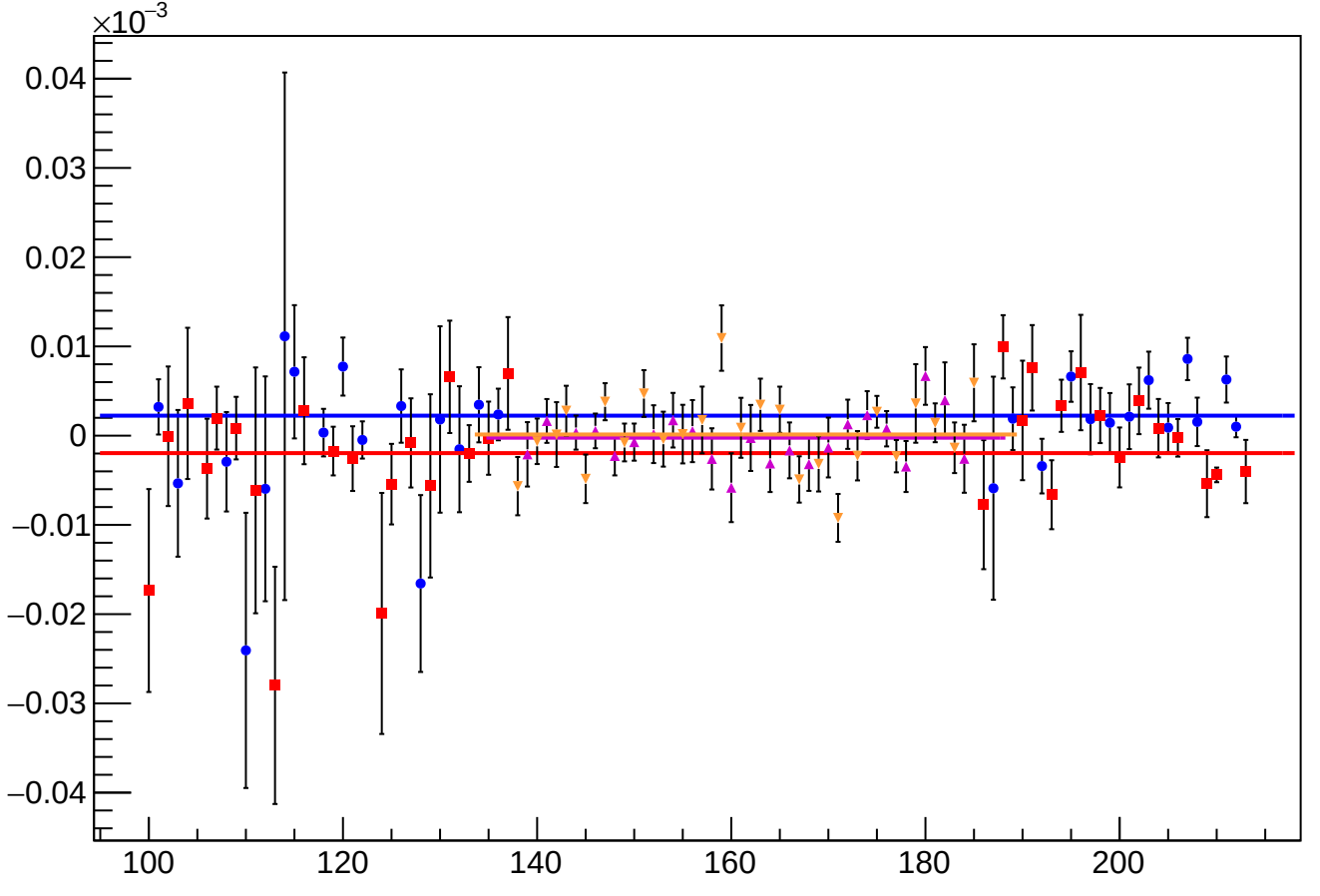
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 47.574+/-0.006 χ^2/NDF: 6045358.5/62

In: 43.570+/-0.006 χ^2/NDF:5411835.6/51

Out: 44.642+/-0.006 χ^2/NDF:7060881.1/58

All: 44.106+/-0.004 χ^2/NDF: 12491225.4/110



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/28

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

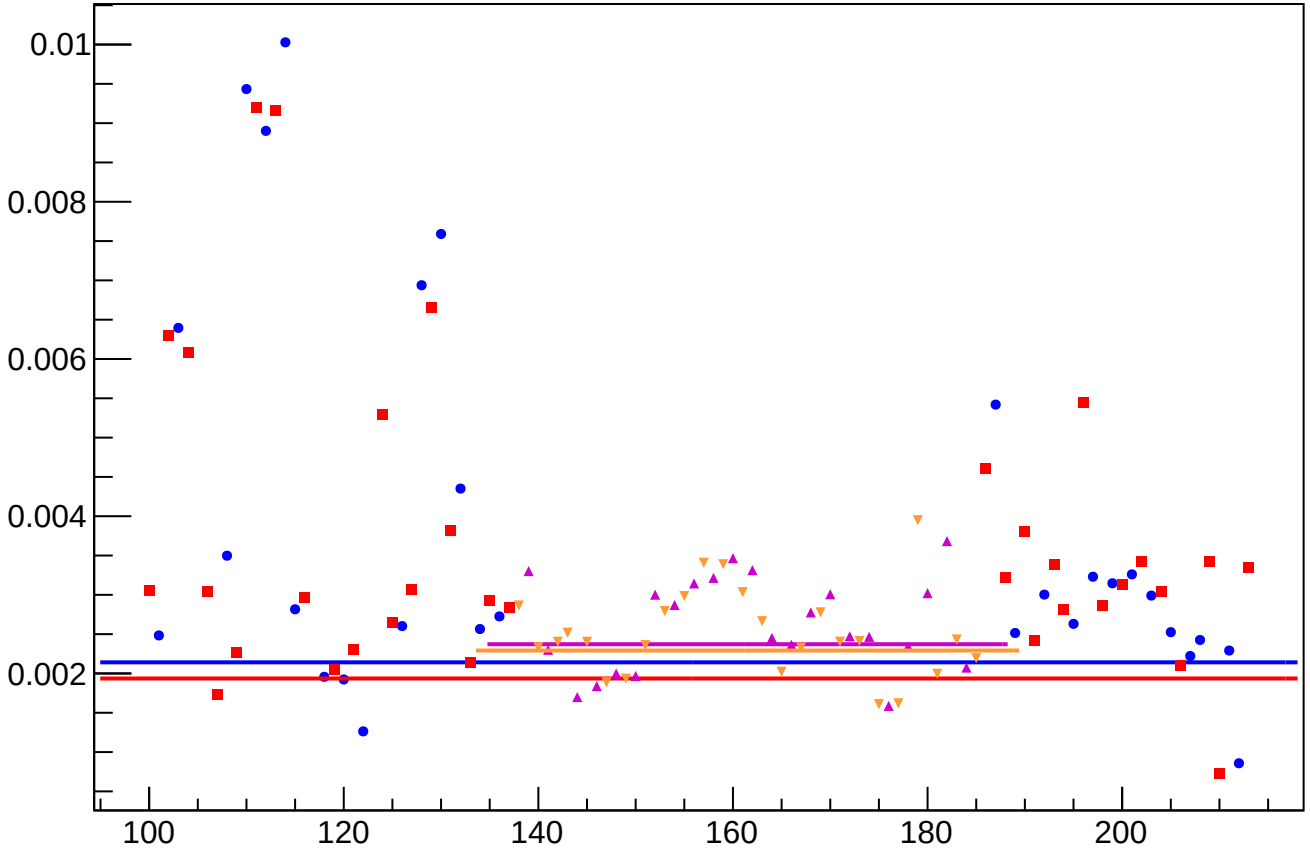
Right: -0.000+/-0.000 χ^2/NDF: 115.1/62

In: 0.000+/-0.000 χ^2/NDF:58.4/51

Out: -0.000+/-0.000 χ^2/NDF:111.5/58

All: -0.000+/-0.000 χ^2/NDF: 181.1/110

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7027067.1/28

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

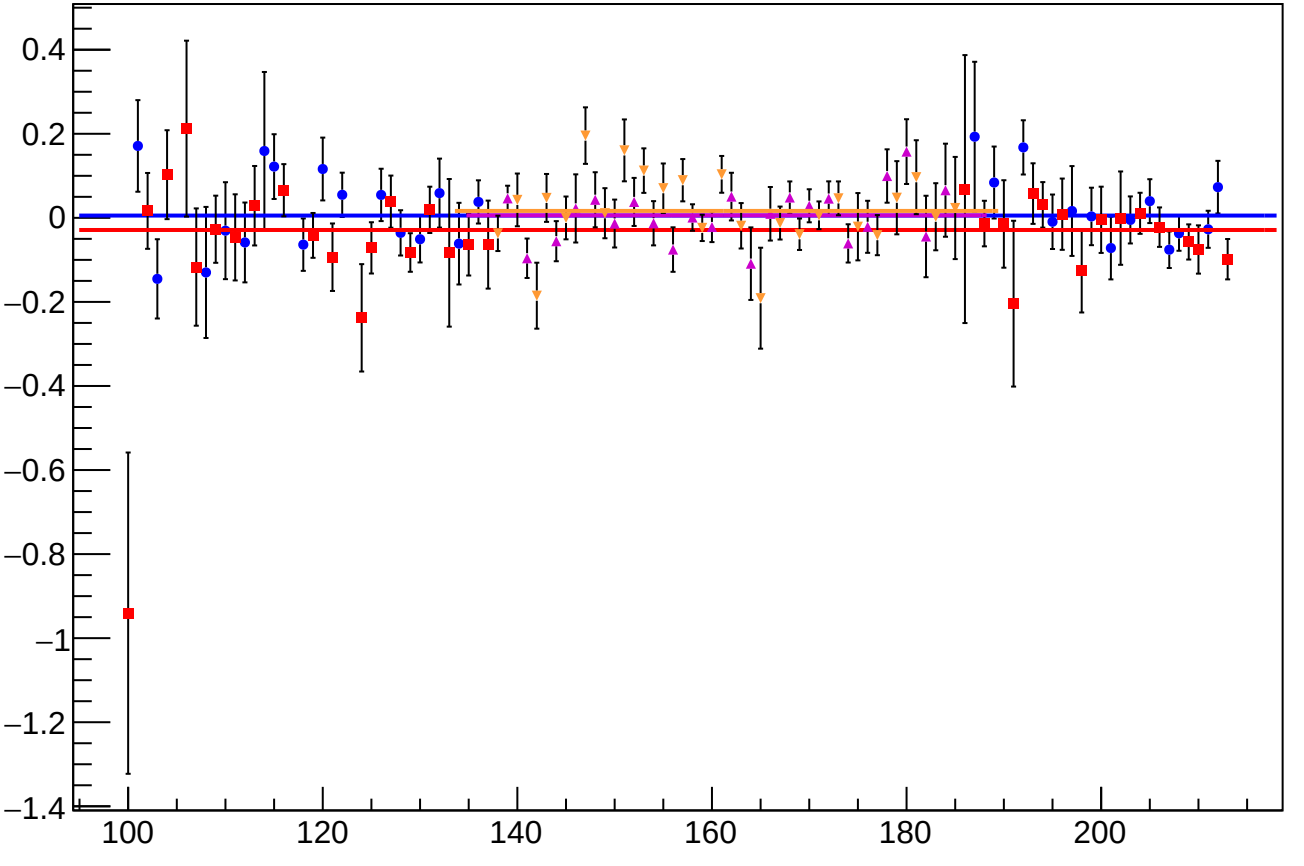
Right: 0.002+/-0.000 χ^2/NDF: 18408414.2/62

In: 0.002+/-0.000 χ^2/NDF:9203379.6/51

Out: 0.002+/-0.000 χ^2/NDF:13502971.1/58

All: 0.002+/-0.000 χ^2/NDF: 22836211.9/110

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.012 χ^2/NDF: 33.1/28

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

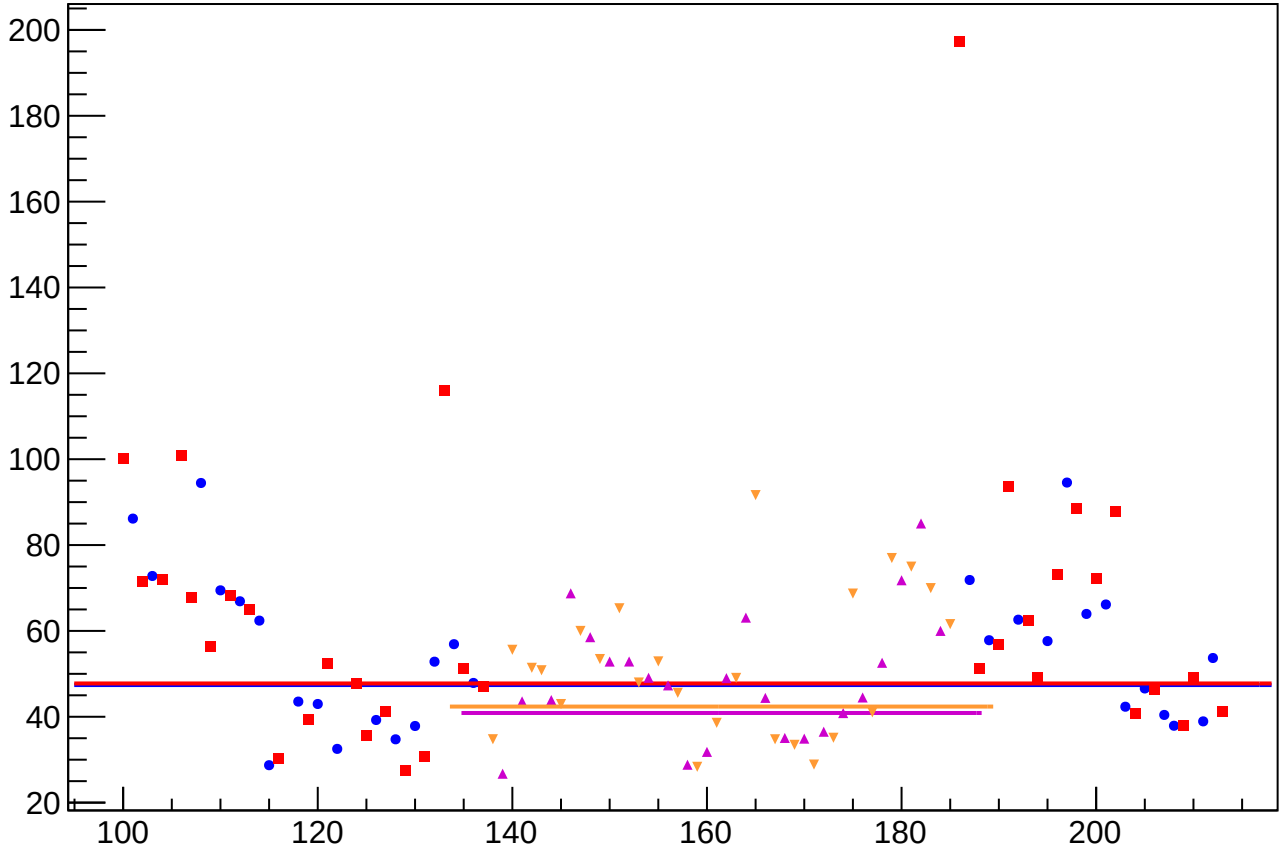
Right: -0.012+/-0.009 χ^2/NDF: 65.4/62

In: 0.006+/-0.008 χ^2/NDF:59.0/51

Out: -0.003+/-0.008 χ^2/NDF:77.6/58

All: 0.002+/-0.006 χ^2/NDF: 137.1/110

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.386+/-0.009 χ^2/NDF: 2402407.2/28

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

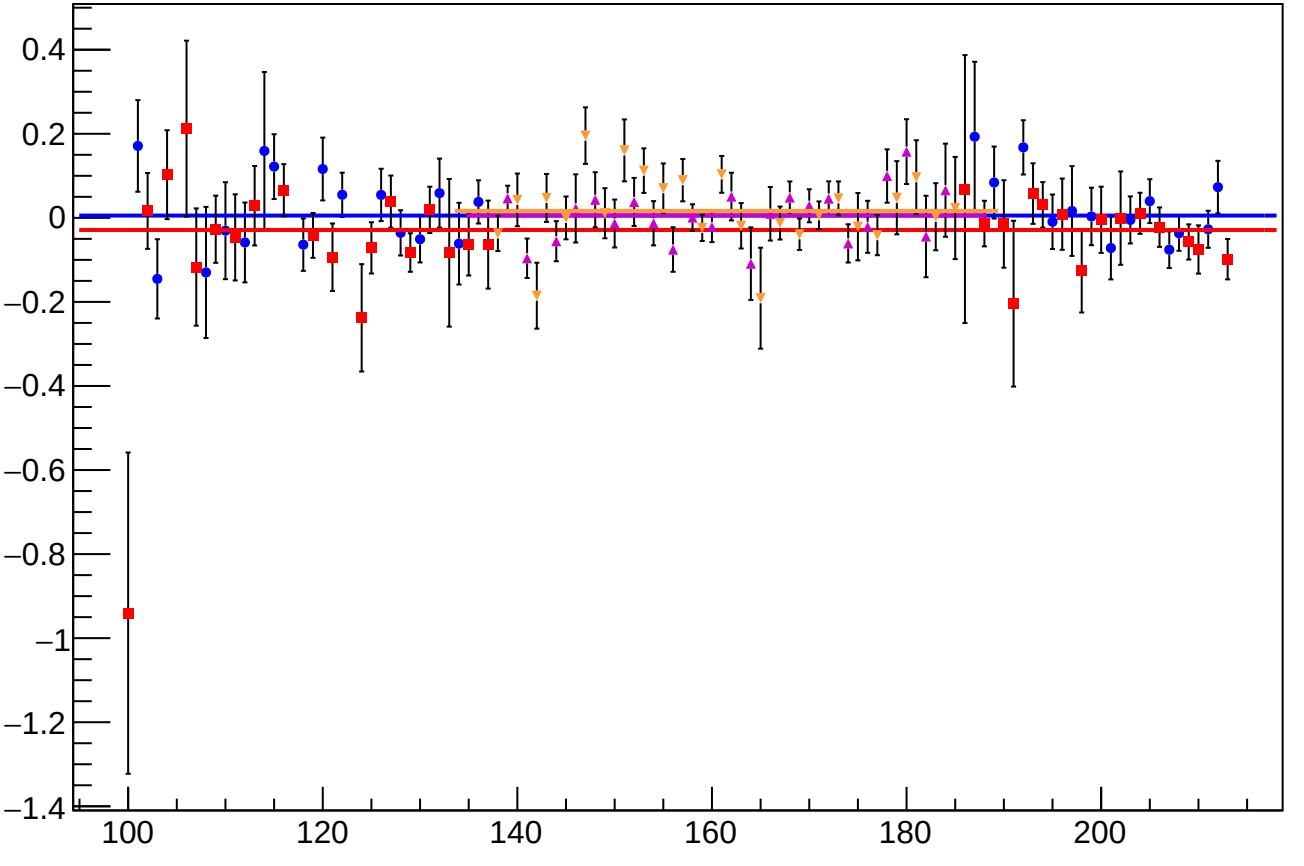
Right: 47.574+/-0.006 χ^2/NDF: 6045243.5/62

In: 43.571+/-0.006 χ^2/NDF:5411772.3/51

Out: 44.642+/-0.006 χ^2/NDF:7060814.7/58

All: 44.106+/-0.004 χ^2/NDF: 12491095.6/110

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.012 χ^2/NDF: 33.1/28

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

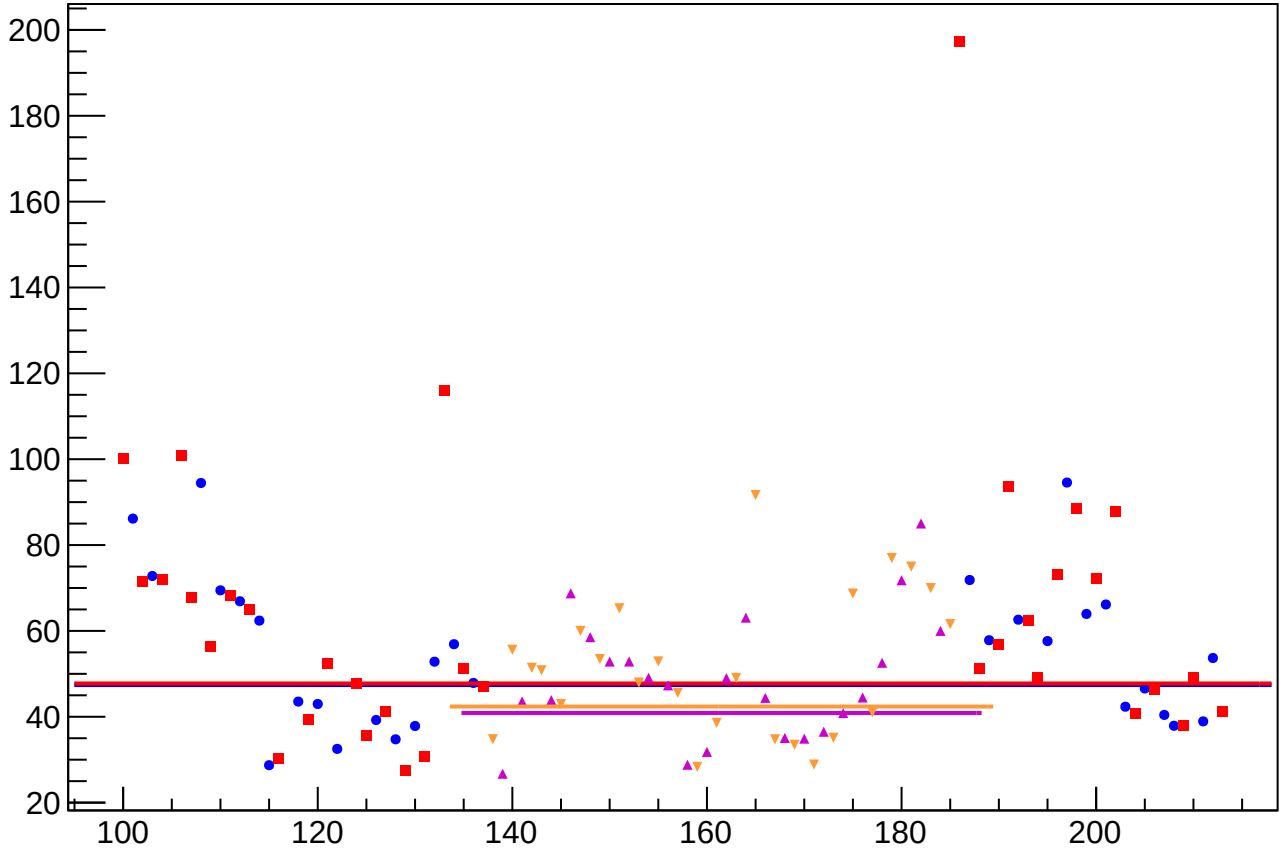
Right: -0.012+/-0.009 χ^2/NDF: 65.4/62

In: 0.006+/-0.008 χ^2/NDF:59.0/51

Out: -0.003+/-0.008 χ^2/NDF:77.6/58

All: 0.002+/-0.006 χ^2/NDF: 137.1/110

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.386+/-0.009 χ^2/NDF: 2402407.2/28

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

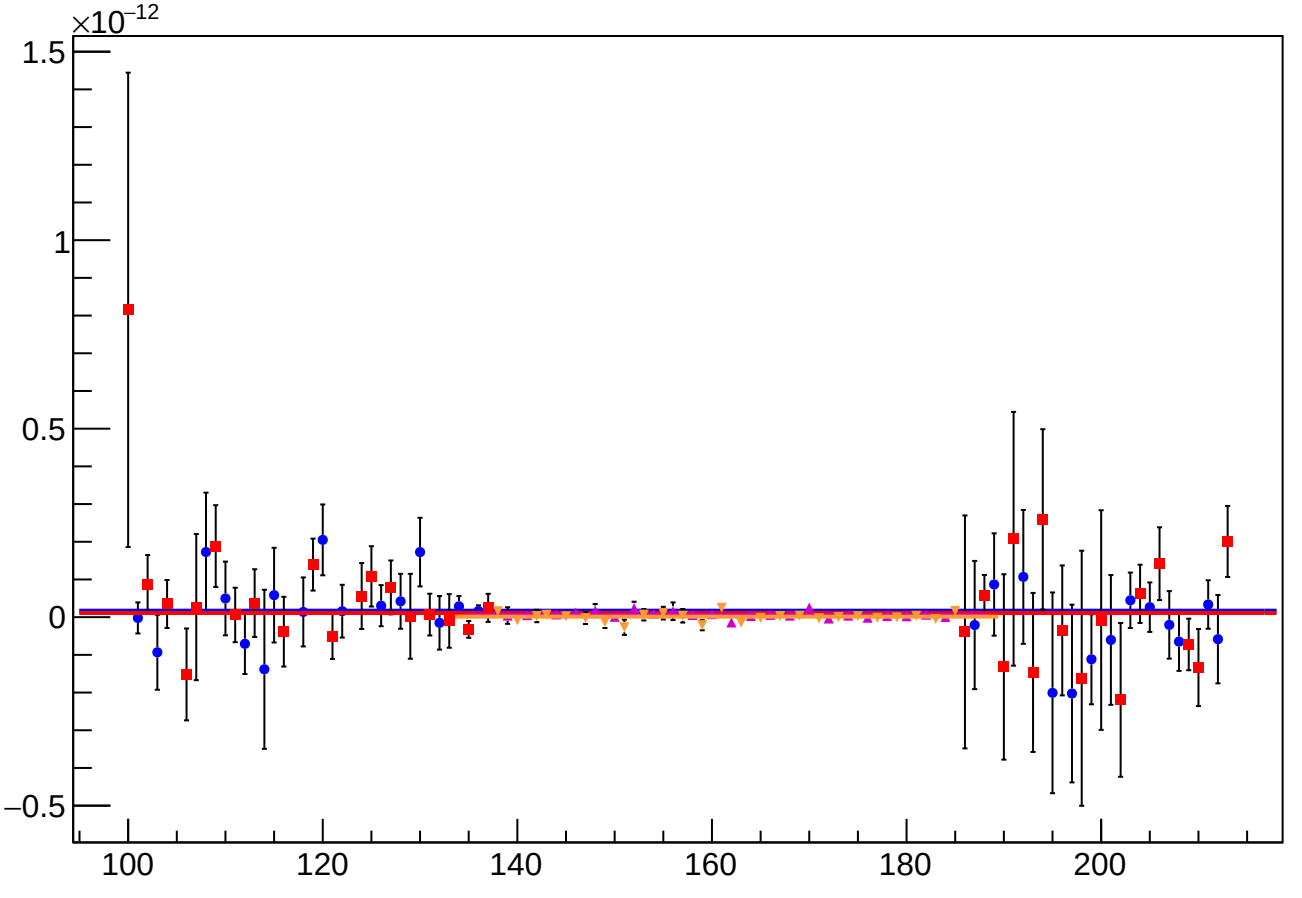
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 47.574+/-0.006 χ^2/NDF: 6045243.5/62

In: 43.571+/-0.006 χ^2/NDF:5411772.3/51

Out: 44.642+/-0.006 χ^2/NDF:7060814.7/58

All: 44.106+/-0.004 χ^2/NDF: 12491095.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/28

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

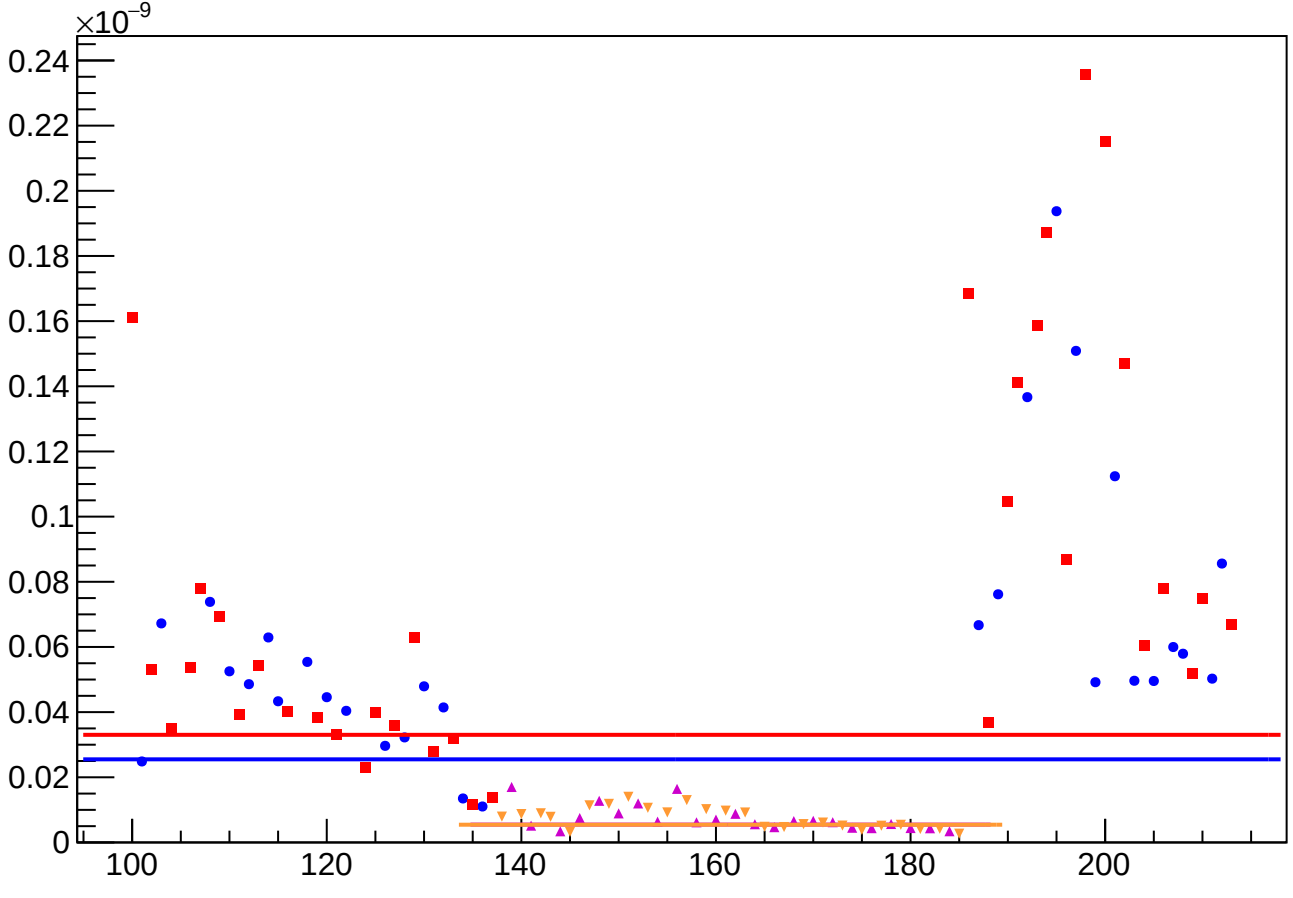
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

Right: 0.000+/-0.000 χ^2/NDF: 50.7/62

In: 0.000+/-0.000 χ^2/NDF:31.8/51

Out: 0.000+/-0.000 χ^2/NDF:53.5/58

All: 0.000+/-0.000 χ^2/NDF: 87.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 8876315.5/28

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

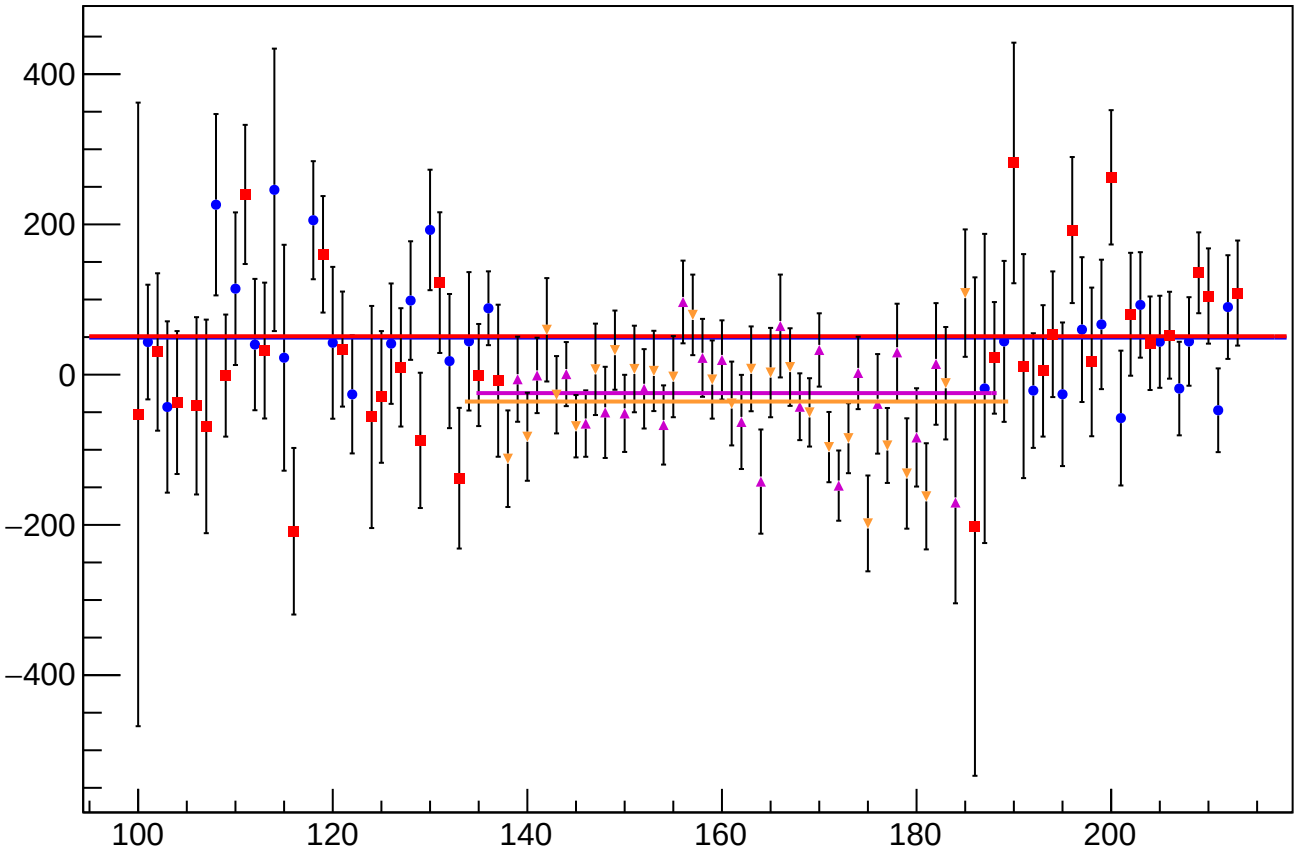
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 18670363.3/62

In: 0.000+/-0.000 χ^2/NDF:18911339.5/51

Out: 0.000+/-0.000 χ^2/NDF:22862710.2/58

All: 0.000+/-0.000 χ^2/NDF: 41776356.5/110



Right In: 49.340+/-14.950 χ^2/NDF: 21.6/28

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

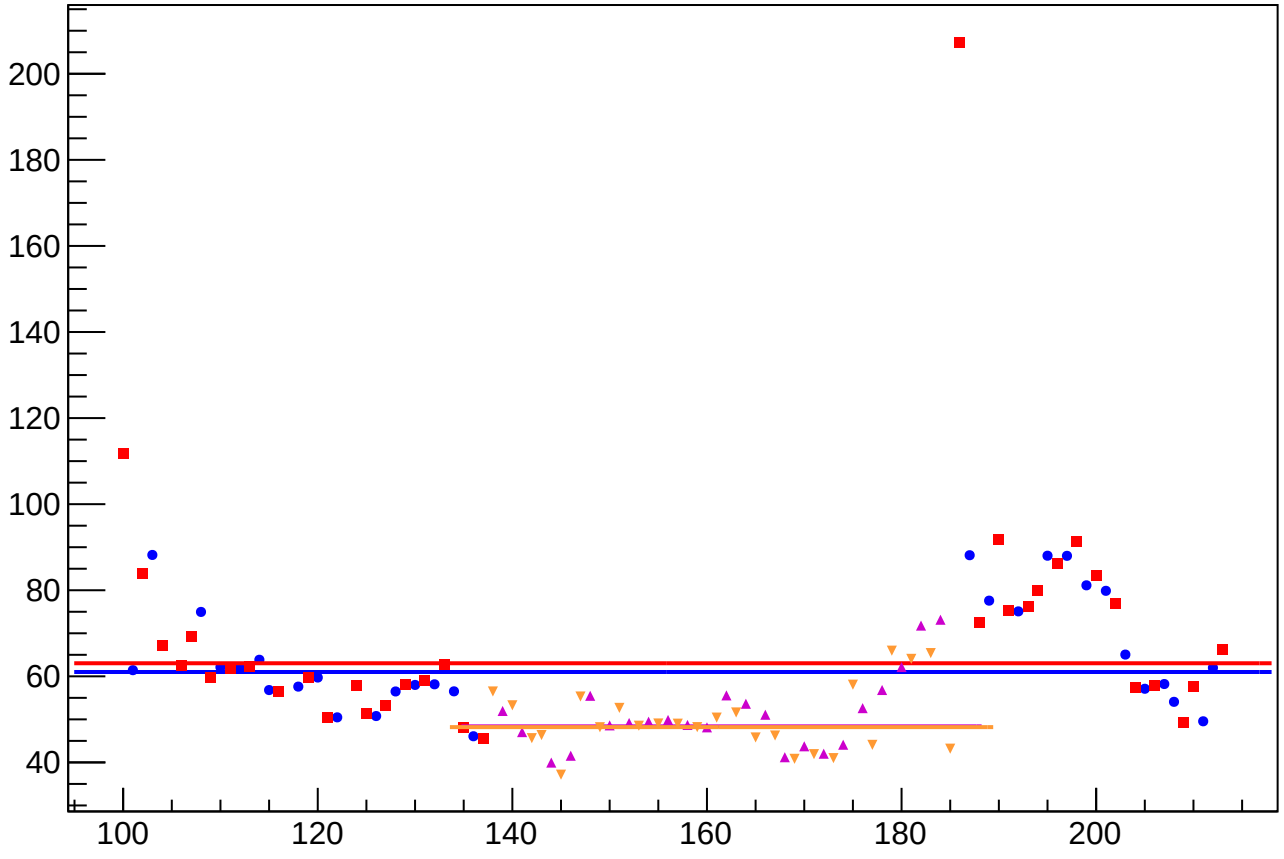
Right: 50.236+/-10.541 χ^2/NDF: 60.6/62

In: 2.817+/-9.101 χ^2/NDF:62.7/51

Out: -4.605+/-8.904 χ^2/NDF:94.6/58

All: -0.975+/-6.364 χ^2/NDF: 157.7/110

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.008+/-0.011 χ^2/NDF: 1212734.4/28

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

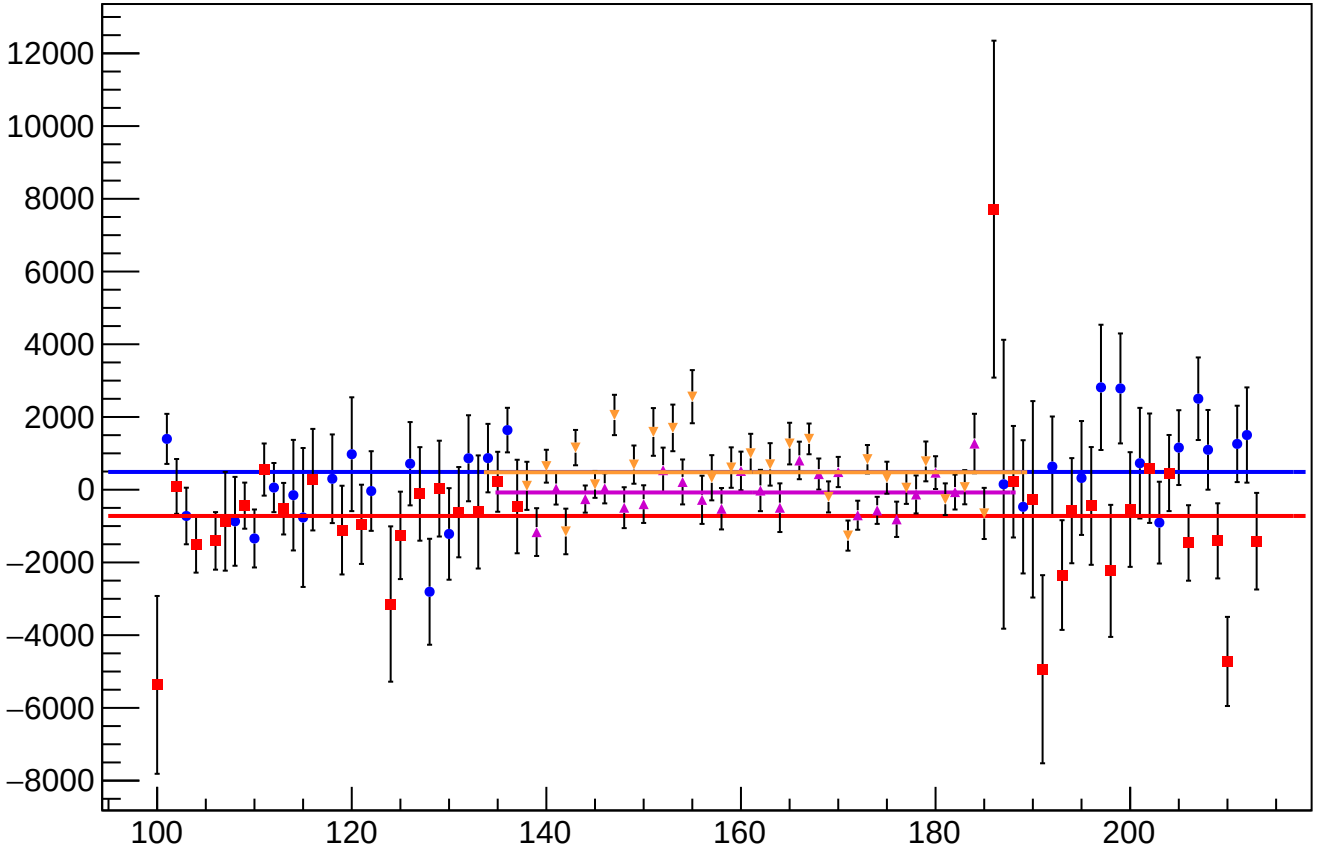
Right: 62.029+/-0.007 χ^2/NDF: 2884108.5/62

In: 53.060+/-0.006 χ^2/NDF:2806137.7/51

Out: 53.523+/-0.006 χ^2/NDF:3711178.6/58

All: 53.296+/-0.005 χ^2/NDF: 6519960.8/110

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 488.531+/-201.944 χ^2/NDF: 33.8/28

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

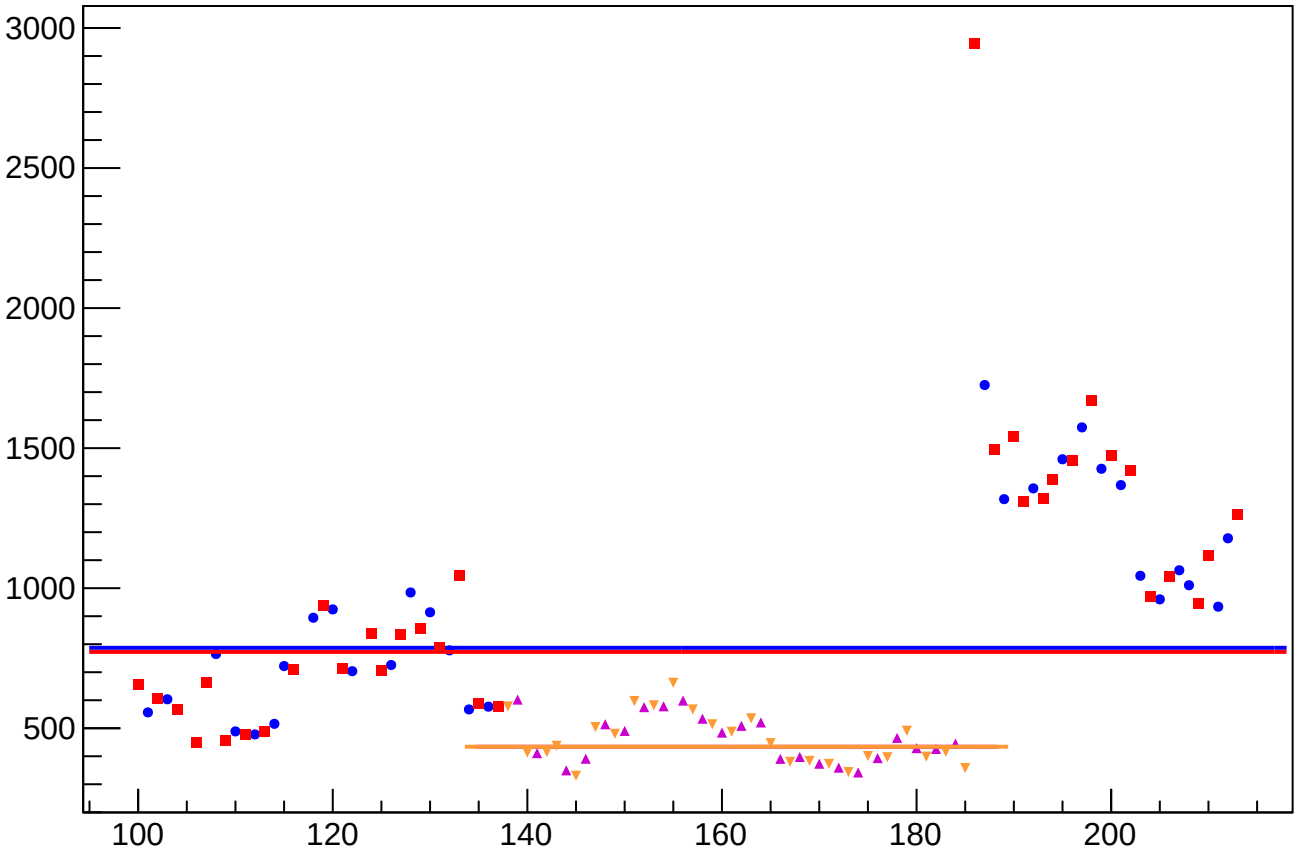
Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

Right: -141.062+/-139.888 χ^2/NDF: 88.7/62

In: 41.040+/-91.845 χ^2/NDF:64.5/51

Out: 225.691+/-89.251 χ^2/NDF:135.7/58

All: 136.010+/-64.007 χ^2/NDF: 202.2/110



Right In: 787.167+/-0.143 χ^2/NDF: 4189114.5/28

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

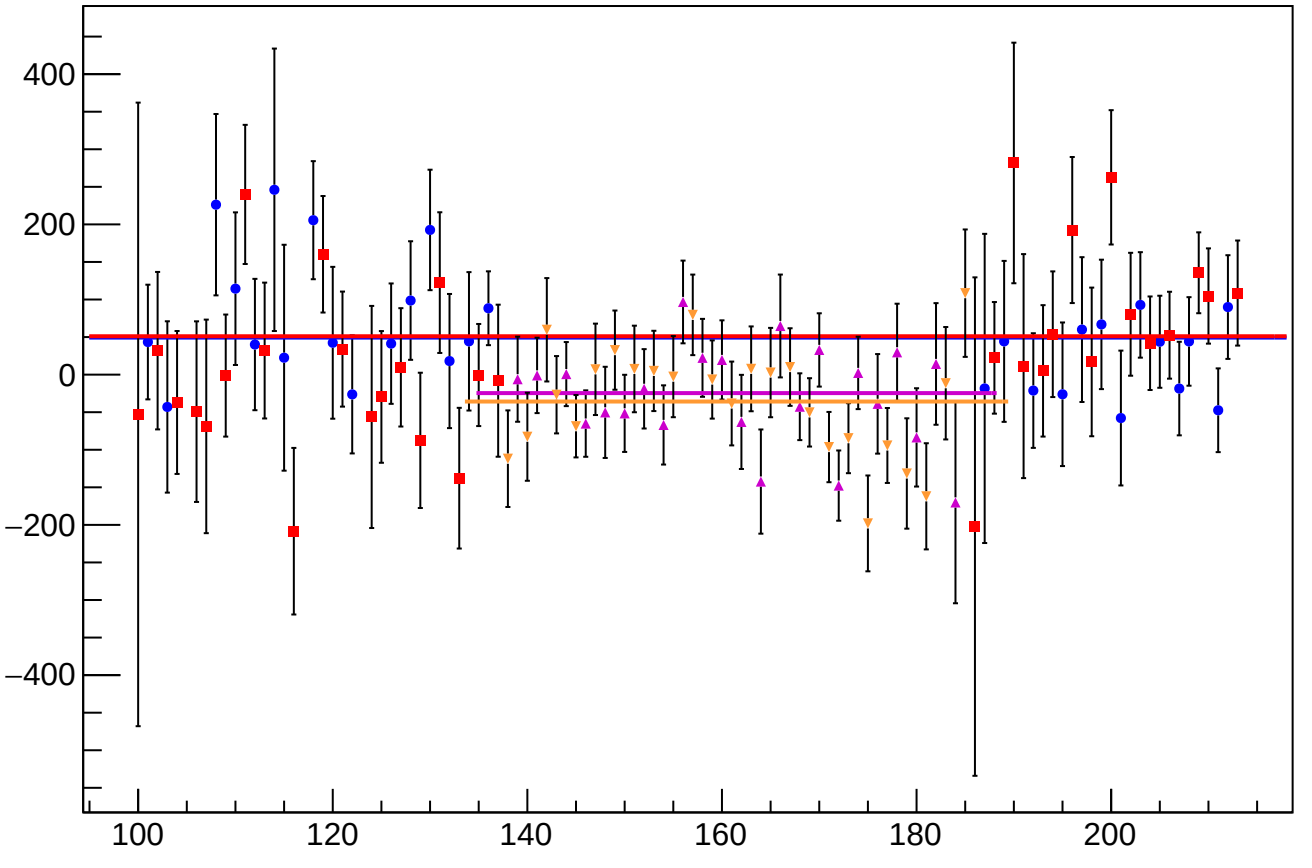
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 779.582+/-0.099 χ^2/NDF: 10277341.3/62

In: 506.831+/-0.065 χ^2/NDF:10143147.4/51

Out: 505.648+/-0.063 χ^2/NDF:12132154.9/58

All: 506.222+/-0.045 χ^2/NDF: 22275472.8/1



Right In: 49.343+/-14.950 χ^2/NDF: 21.6/28

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

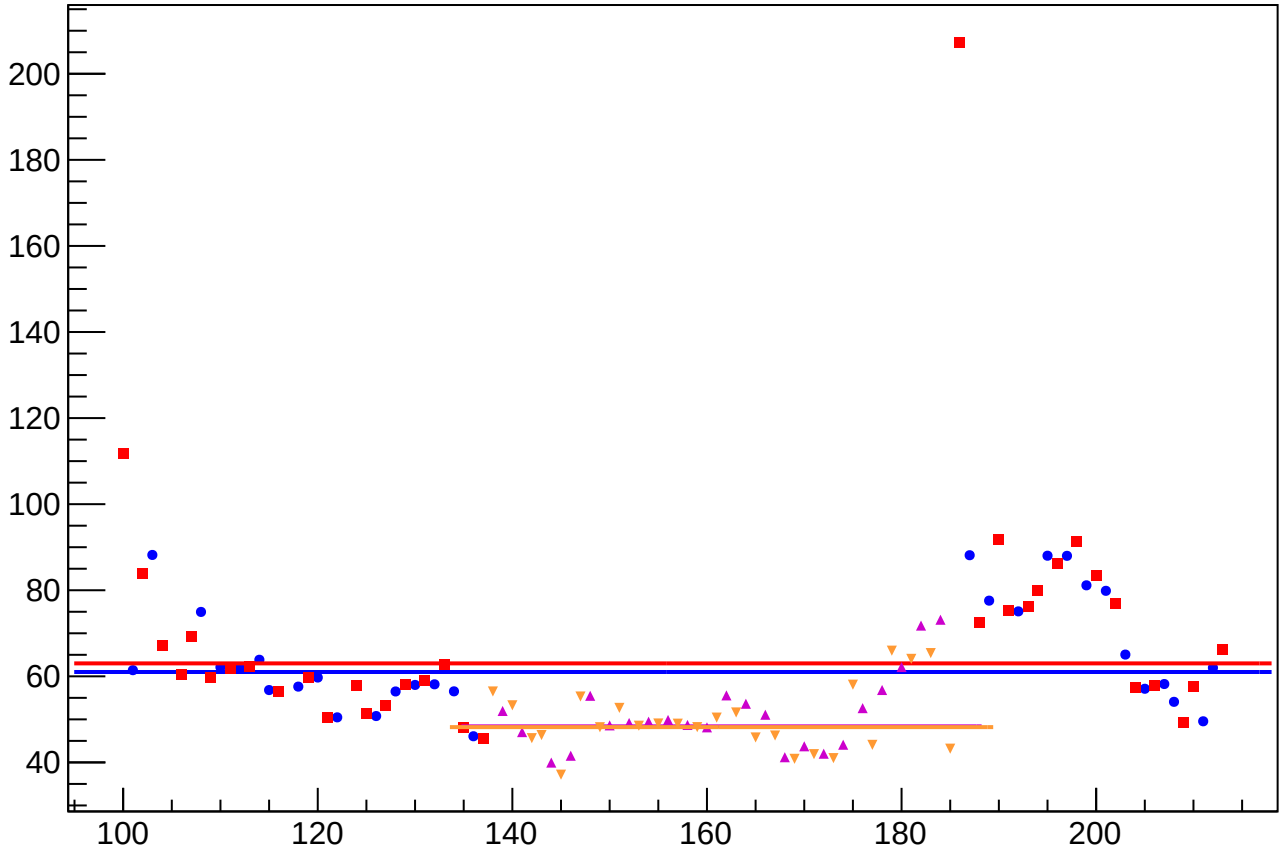
Right: 50.221+/-10.543 χ^2/NDF: 60.7/62

In: 2.817+/-9.101 χ^2/NDF:62.7/51

Out: -4.632+/-8.905 χ^2/NDF:94.7/58

All: -0.988+/-6.365 χ^2/NDF: 157.7/110

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.008+/-0.011 χ^2/NDF: 1212737.8/28

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

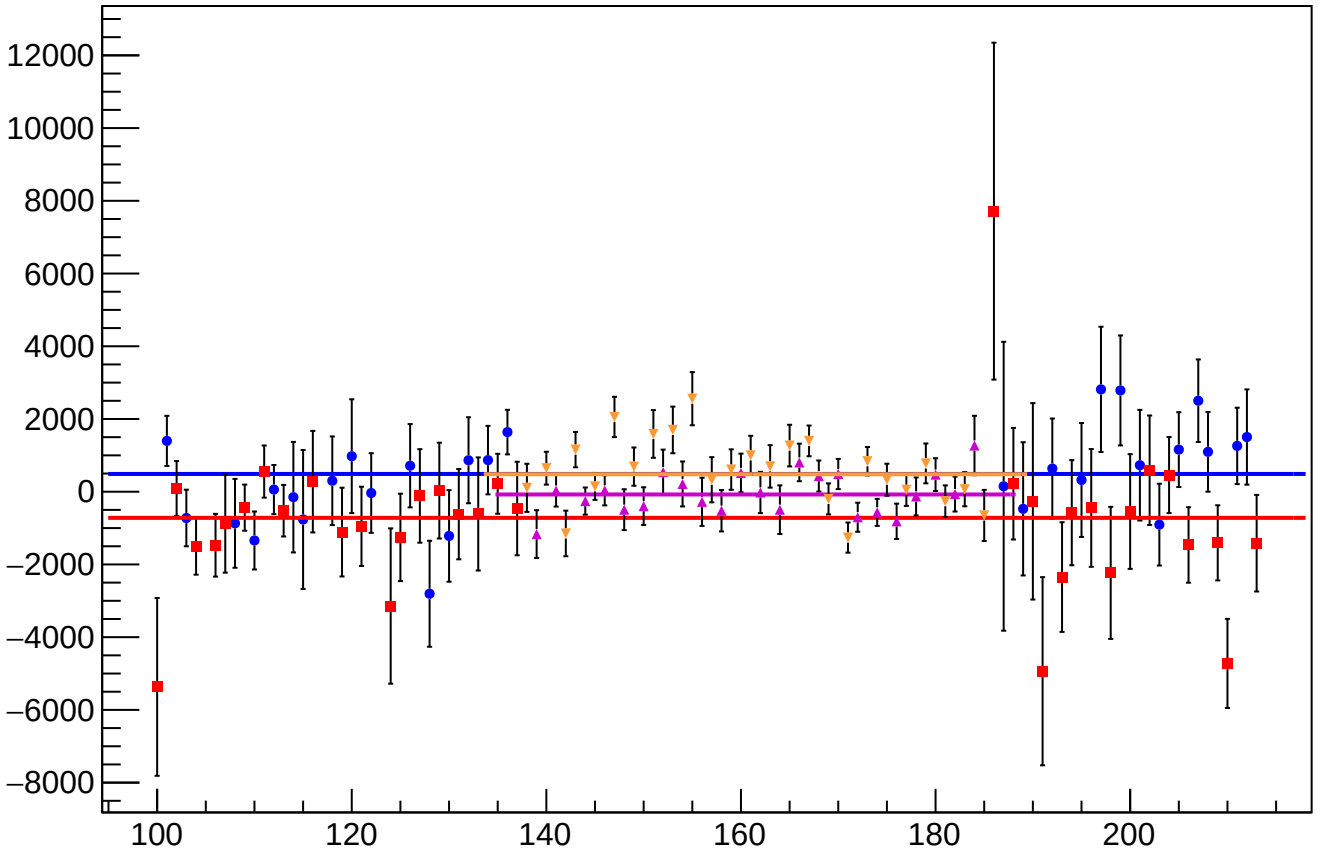
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.013+/-0.007 χ^2/NDF: 2884653.0/62

In: 53.060+/-0.006 χ^2/NDF:2806141.6/51

Out: 53.510+/-0.006 χ^2/NDF:3706540.3/58

All: 53.290+/-0.005 χ^2/NDF: 6515180.0/110



Right In: 488.560+/-201.945 χ^2/NDF: 33.8/28

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

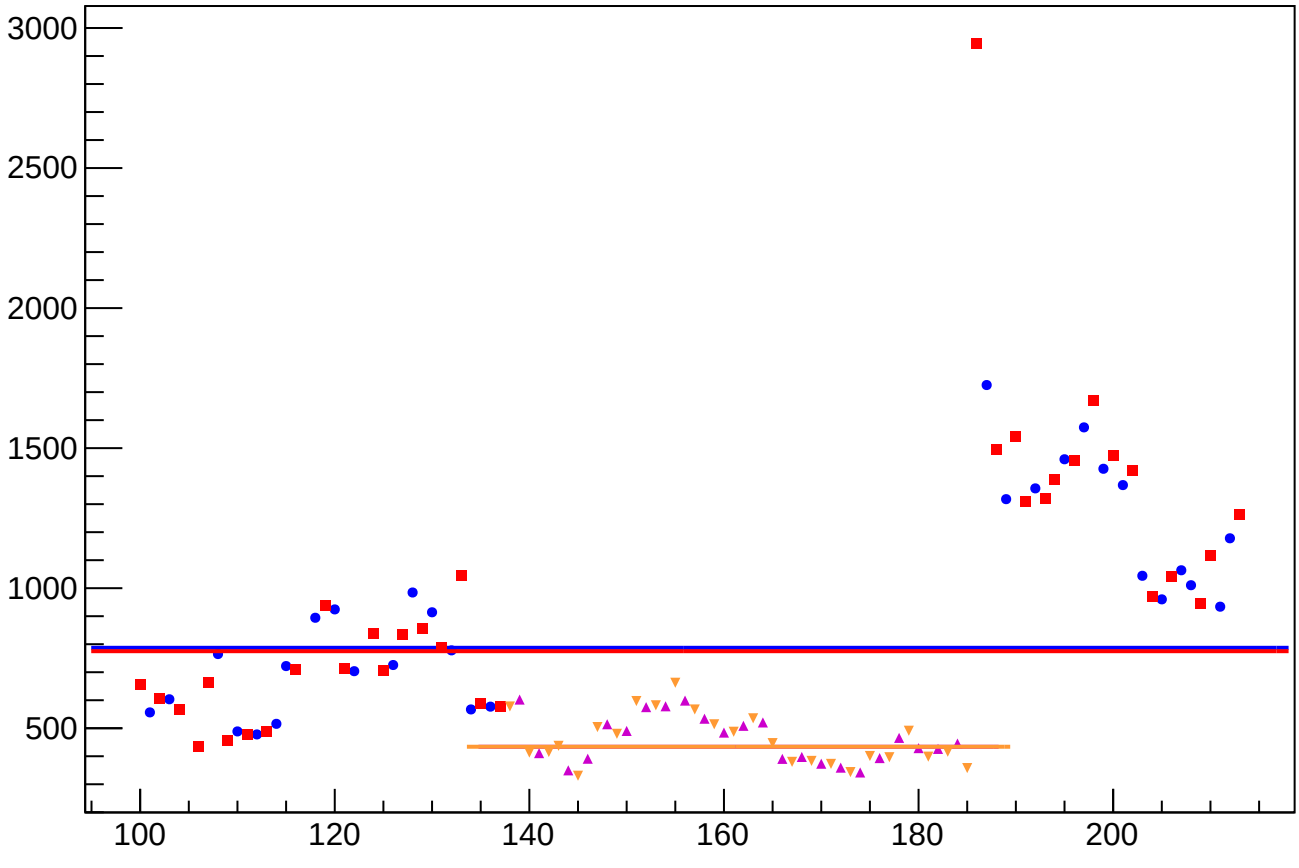
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -136.526+/-140.239 χ^2/NDF: 88.5/62

In: 41.042+/-91.845 χ^2/NDF:64.5/51

Out: 228.271+/-89.342 χ^2/NDF:135.3/58

All: 137.243+/-64.041 χ^2/NDF: 201.9/110



Right In: 787.172+/-0.143 χ^2/NDF: 4189042.9/28

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

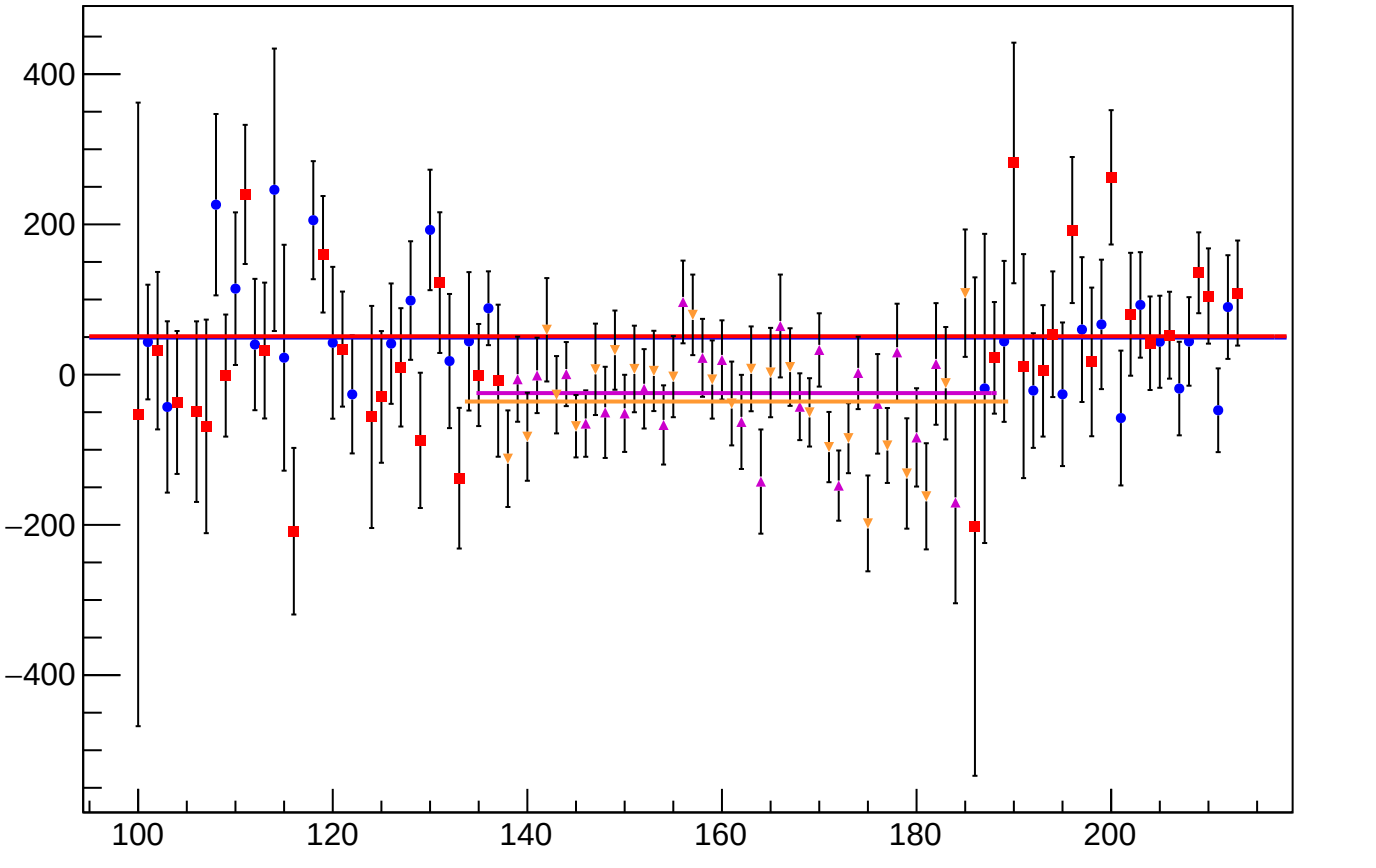
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 780.906+/-0.099 χ^2/NDF: 10244801.3/62

In: 506.831+/-0.065 χ^2/NDF:10143167.6/51

Out: 505.627+/-0.063 χ^2/NDF:12135211.8/58

All: 506.212+/-0.045 χ^2/NDF: 22278556.2/1



Right In: 49.343+/-14.950 χ^2/NDF: 21.6/28

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

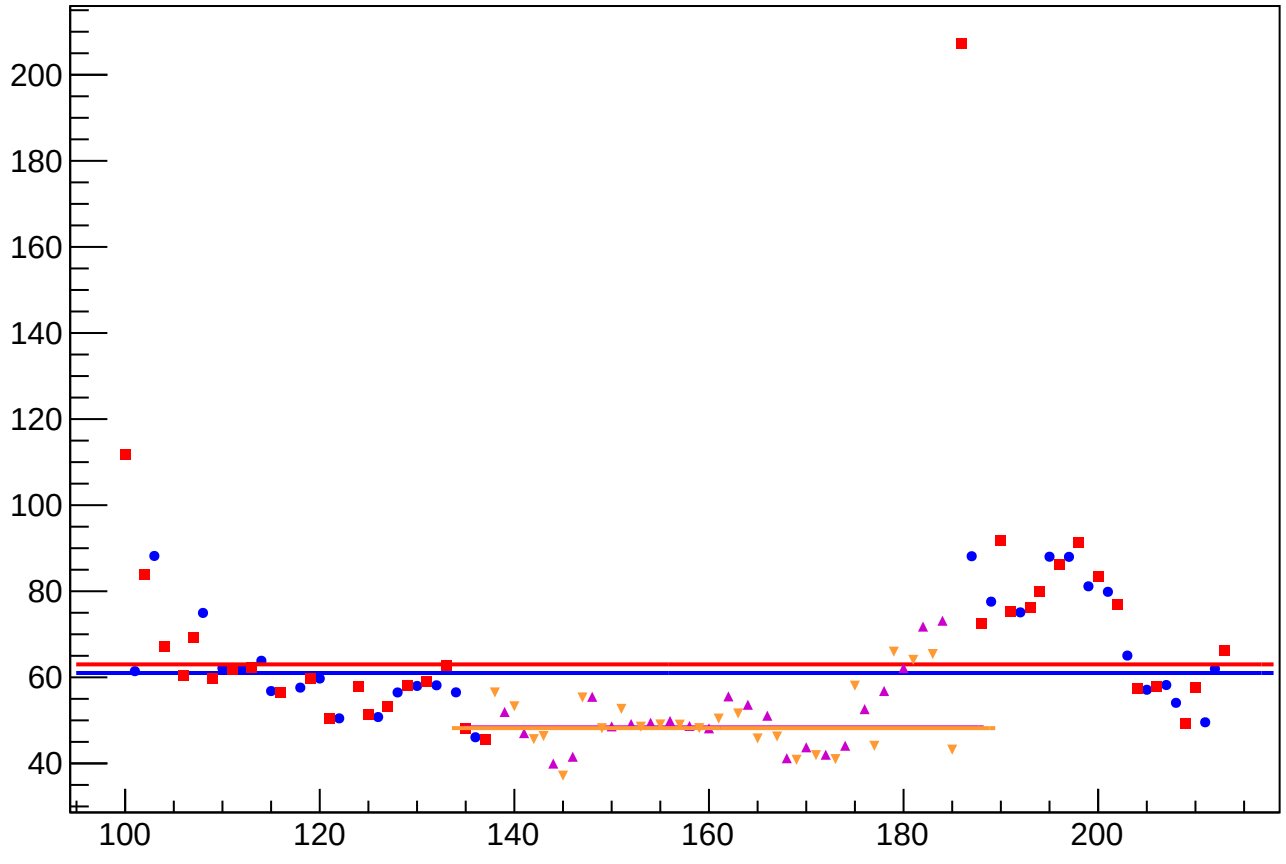
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 50.221+/-10.543 χ^2/NDF: 60.7/62

In: 2.817+/-9.101 χ^2/NDF:62.7/51

Out: -4.632+/-8.905 χ^2/NDF:94.7/58

All: -0.988+/-6.365 χ^2/NDF: 157.7/110



Right In: 61.008+/-0.011 χ^2/NDF: 1212737.8/28

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

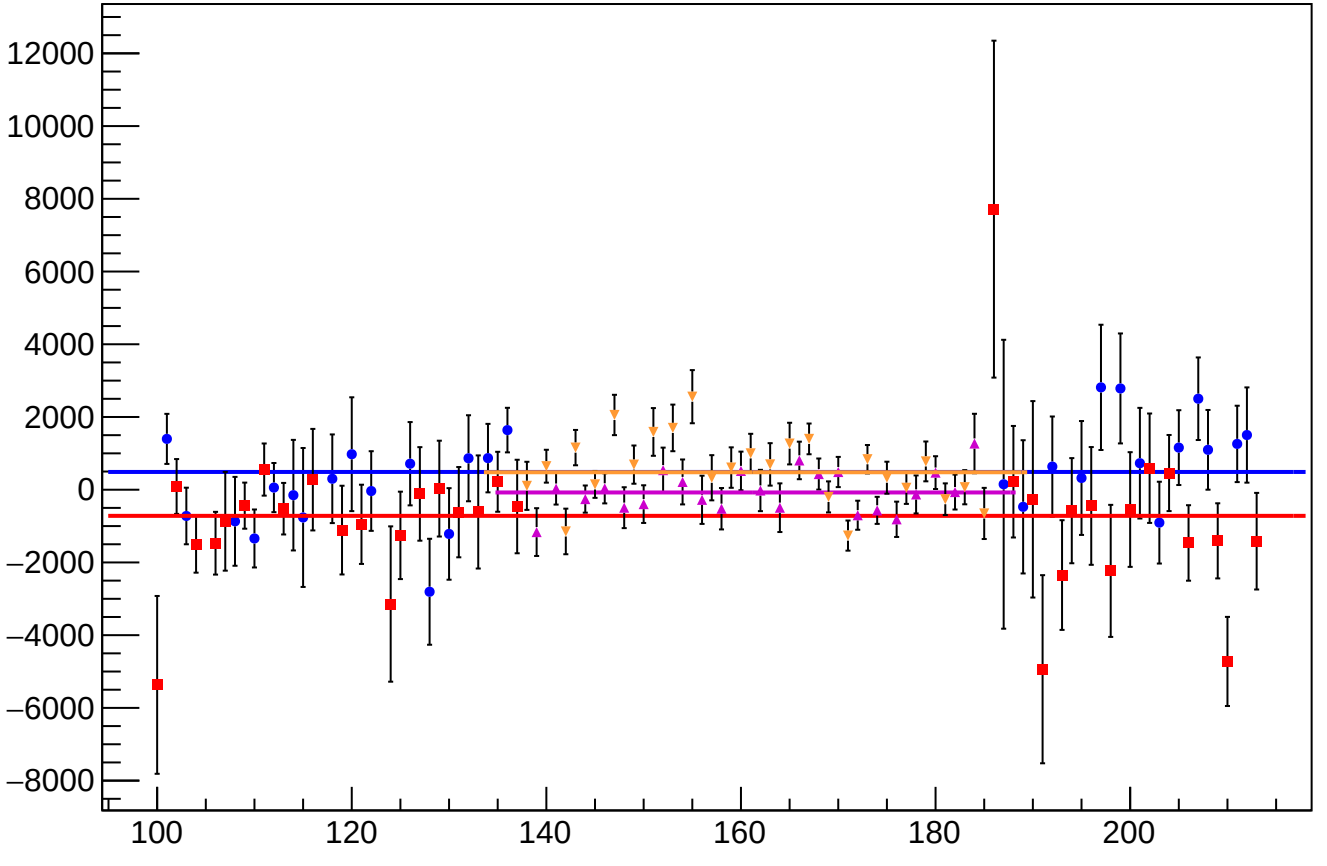
Right: 62.013+/-0.007 χ^2/NDF: 2884653.0/62

In: 53.060+/-0.006 χ^2/NDF:2806141.6/51

Out: 53.510+/-0.006 χ^2/NDF:3706540.3/58

All: 53.290+/-0.005 χ^2/NDF: 6515180.0/110

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 488.560+/-201.945 χ^2/NDF: 33.8/28

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

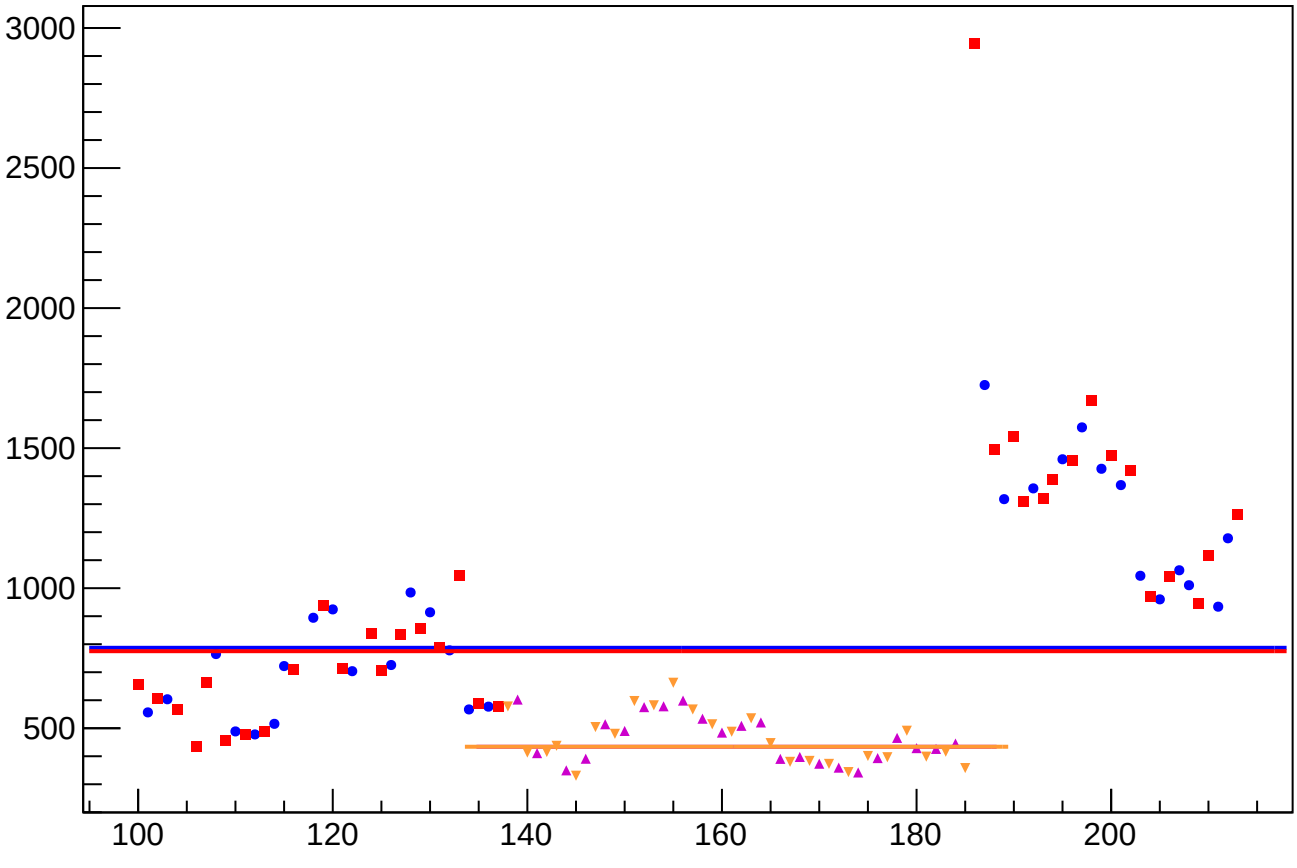
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -136.526+/-140.239 χ^2/NDF: 88.5/62

In: 41.042+/-91.845 χ^2/NDF:64.5/51

Out: 228.271+/-89.342 χ^2/NDF:135.3/58

All: 137.243+/-64.041 χ^2/NDF: 201.9/110



Right In: 787.172+/-0.143 χ^2/NDF: 4189042.9/28

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

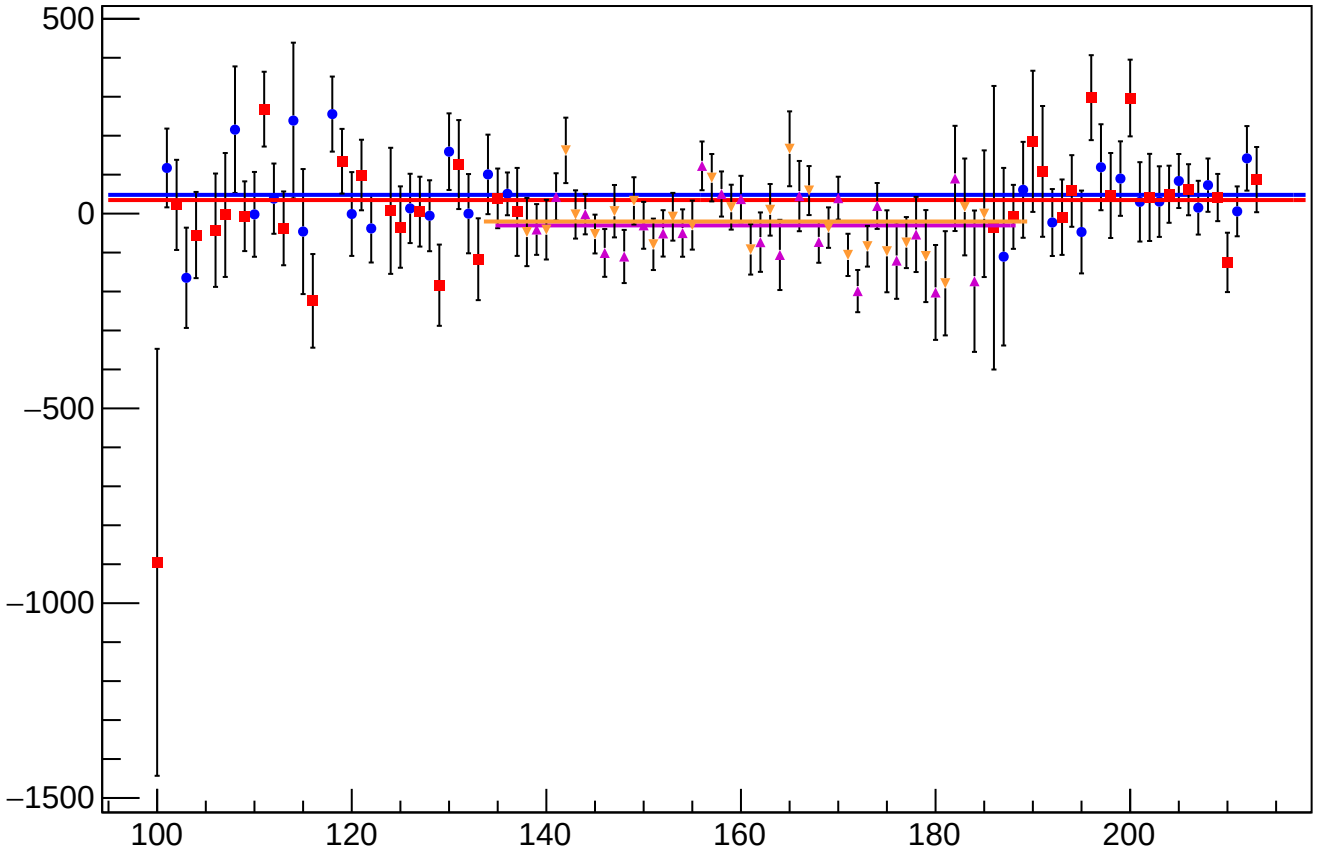
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 780.906+/-0.099 χ^2/NDF: 10244801.3/62

In: 506.831+/-0.065 χ^2/NDF:10143167.6/51

Out: 505.627+/-0.063 χ^2/NDF:12135211.8/58

All: 506.212+/-0.045 χ^2/NDF: 22278556.2/1



Right In: 48.122+/-17.133 χ^2/NDF: 18.8/28

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

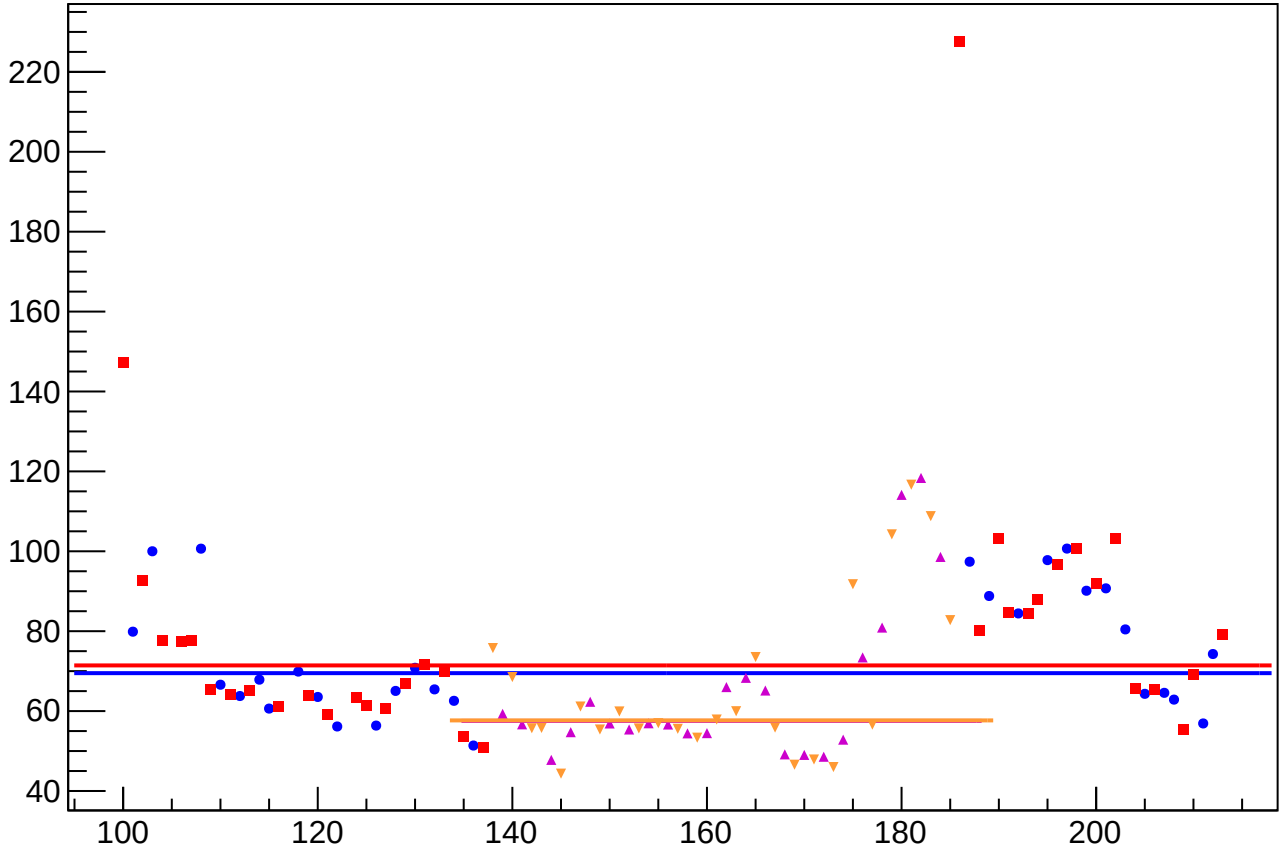
Right: 41.349+/-12.037 χ^2/NDF: 63.5/62

In: 1.031+/-10.831 χ^2/NDF:64.0/51

Out: 1.400+/-10.616 χ^2/NDF:75.9/58

All: 1.219+/-7.582 χ^2/NDF: 139.9/110

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 69.497+/-0.012 χ^2/NDF: 1328595.4/28

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

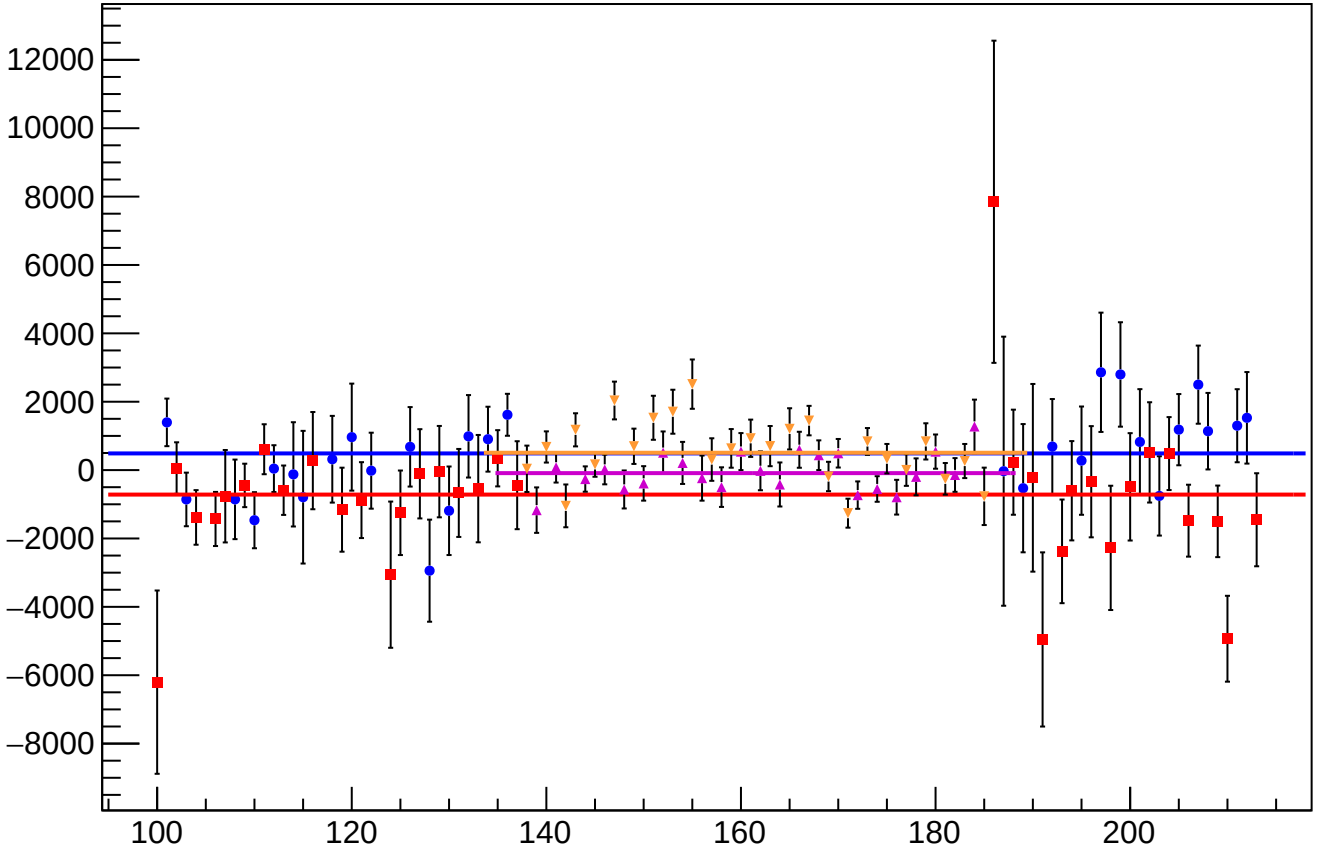
Right: 70.477+/-0.009 χ^2/NDF: 3039260.4/62

In: 62.318+/-0.008 χ^2/NDF:3356760.0/51

Out: 63.090+/-0.008 χ^2/NDF:4410102.5/58

All: 62.712+/-0.005 χ^2/NDF: 7772034.8/110

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 487.880+/-204.429 χ^2/NDF: 34.5/28

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

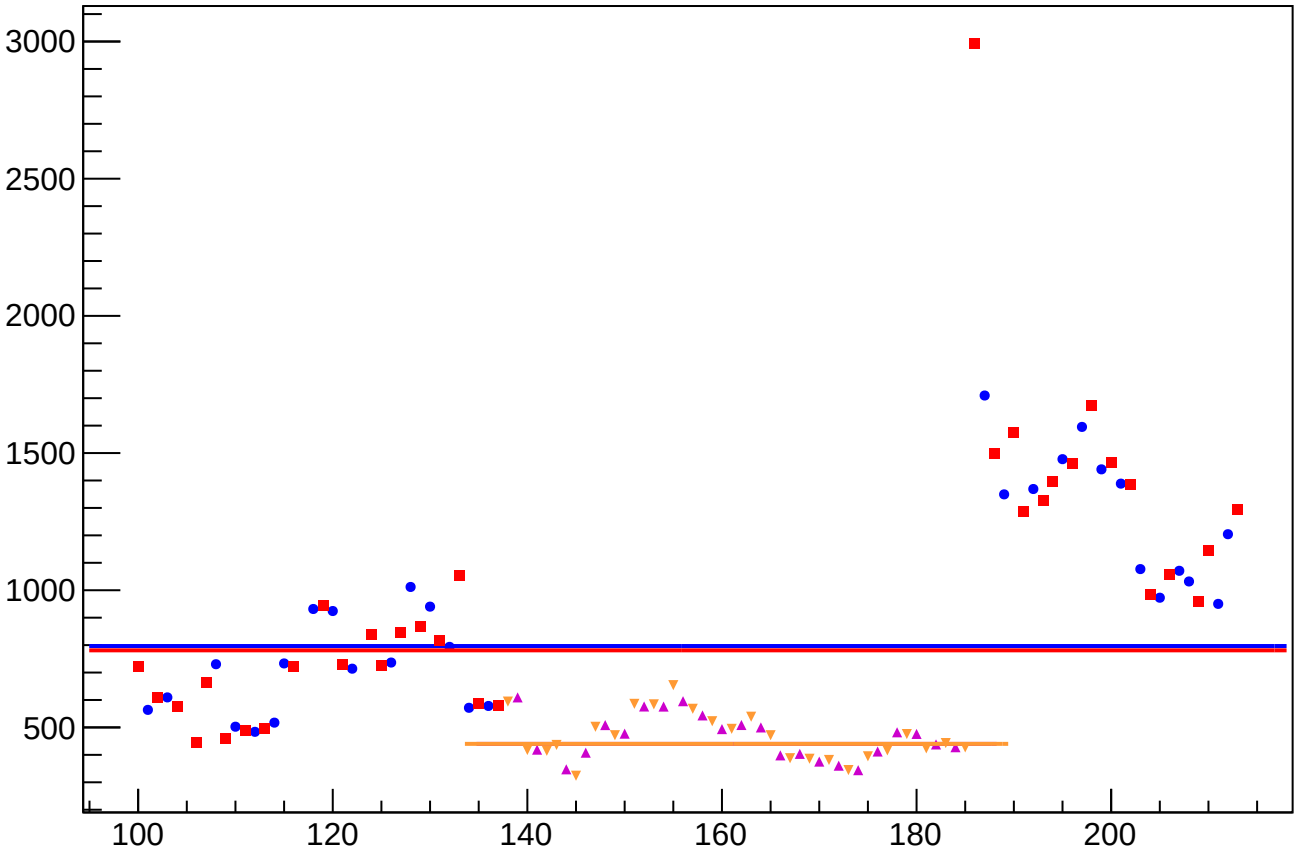
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -139.640+/-141.464 χ^2/NDF: 90.2/62

In: 31.007+/-93.077 χ^2/NDF:64.1/51

Out: 247.266+/-90.321 χ^2/NDF:134.1/58

All: 142.386+/-64.819 χ^2/NDF: 201.0/110



Right In: 796.678+/-0.145 χ^2/NDF: 4235437.4/28

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

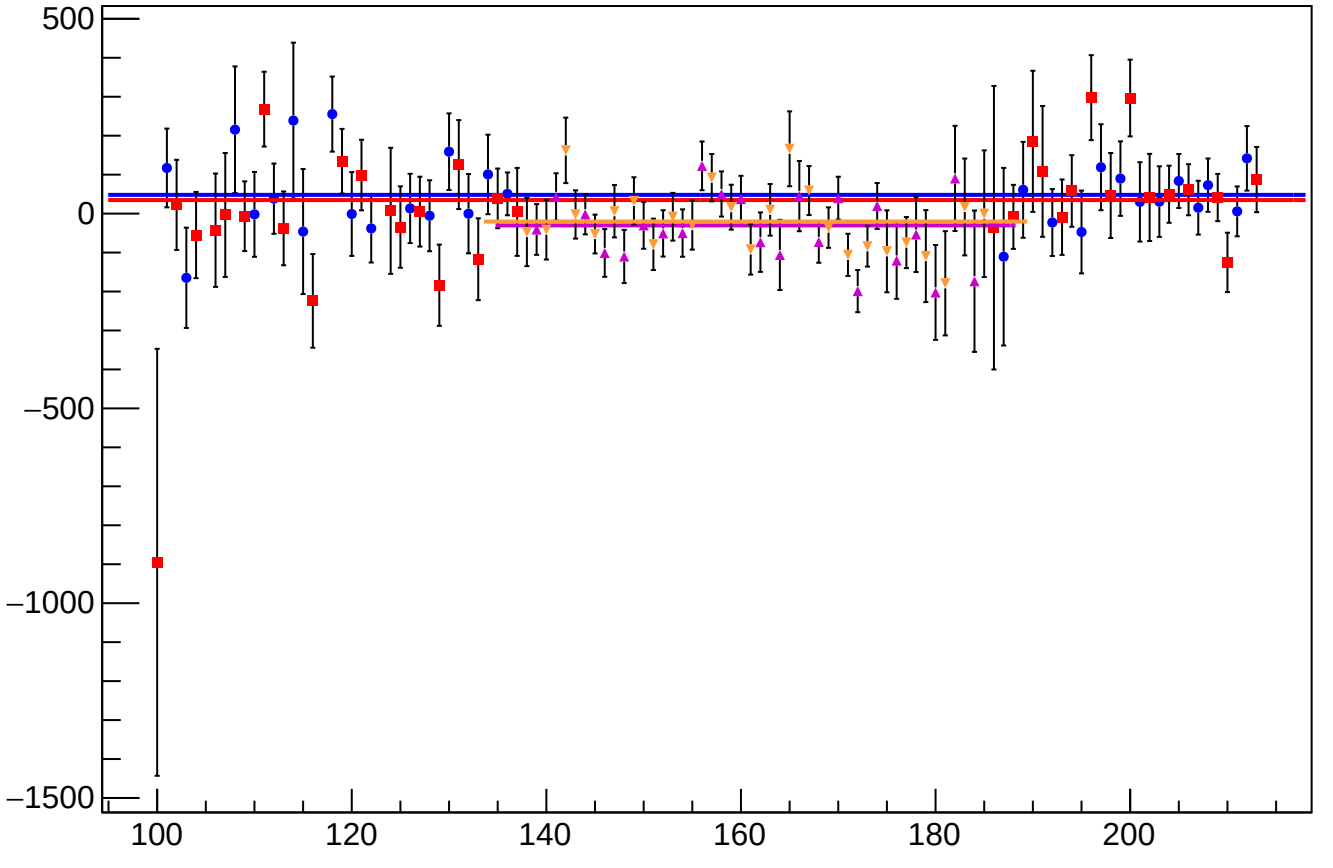
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 788.486+/-0.100 χ^2/NDF: 10300754.7/62

In: 513.842+/-0.066 χ^2/NDF:10126893.2/51

Out: 512.493+/-0.064 χ^2/NDF:12022469.3/58

All: 513.147+/-0.046 χ^2/NDF: 22149579.1/11



Right In: 48.120+/-17.133 χ^2/NDF: 18.8/28

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

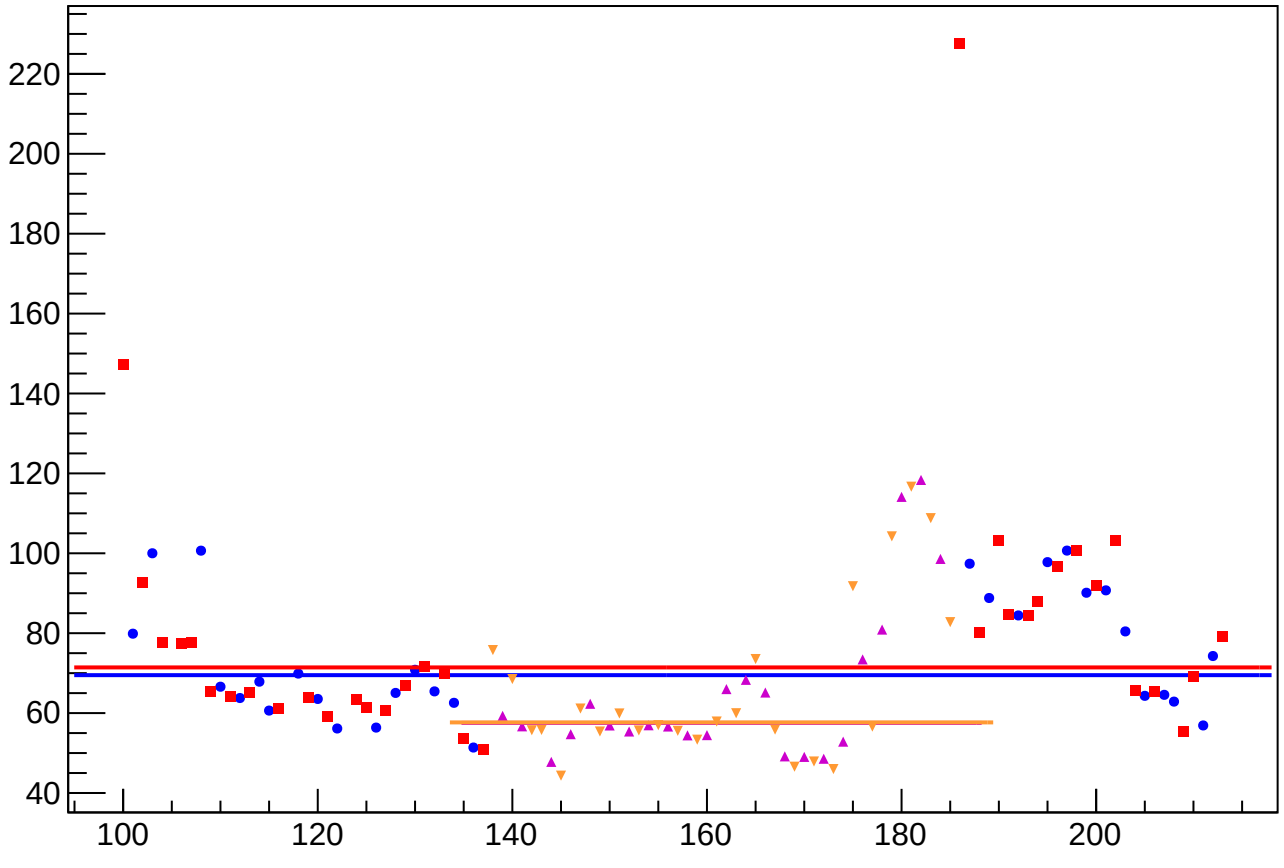
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 41.349+/-12.037 χ^2/NDF: 63.5/62

In: 1.031+/-10.831 χ^2/NDF:64.0/51

Out: 1.400+/-10.616 χ^2/NDF:75.9/58

All: 1.219+/-7.582 χ^2/NDF: 139.9/110



Right In: 69.497+/-0.012 χ^2/NDF: 1328571.6/28

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

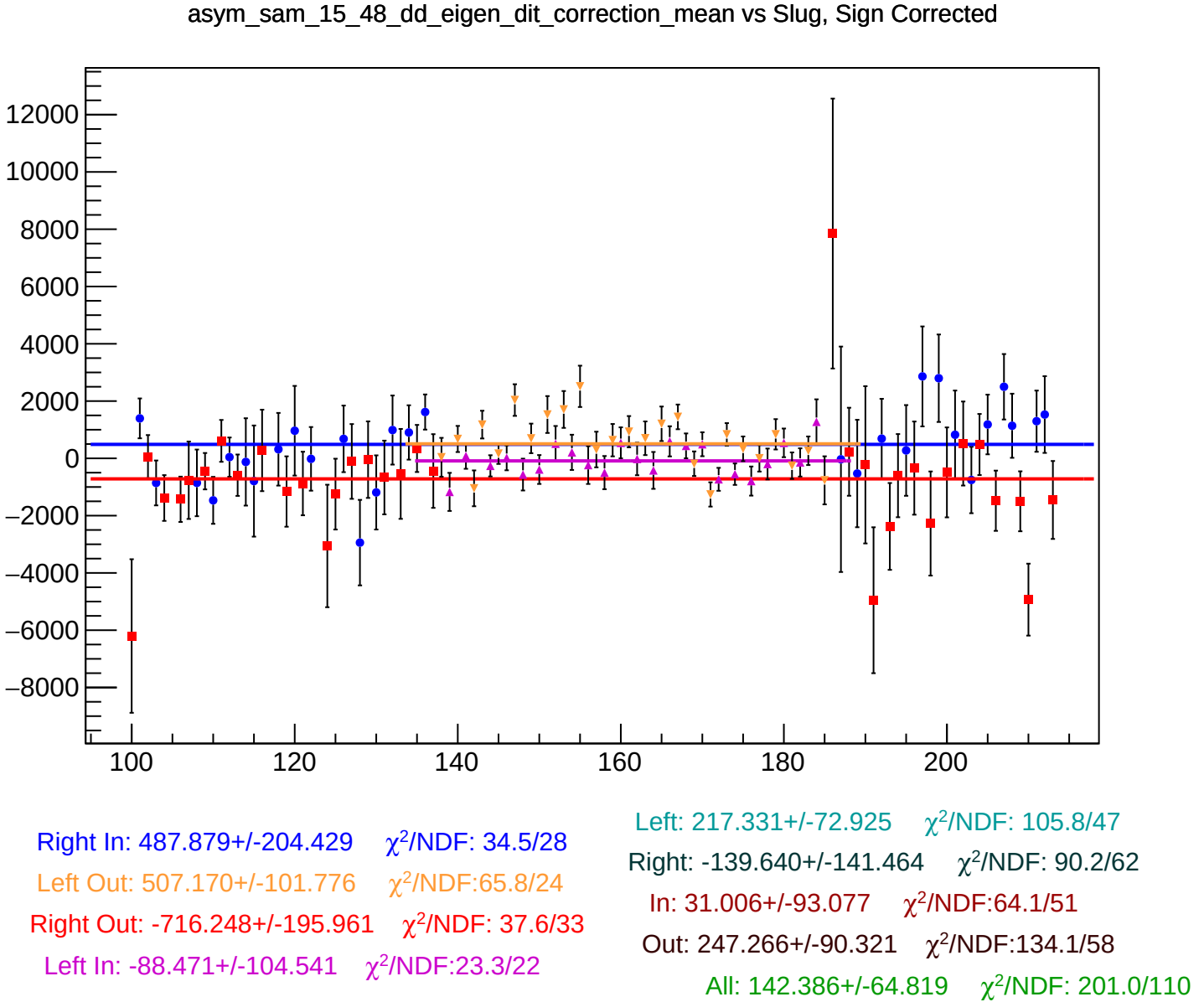
Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

Right: 70.477+/-0.009 χ^2/NDF: 3039240.7/62

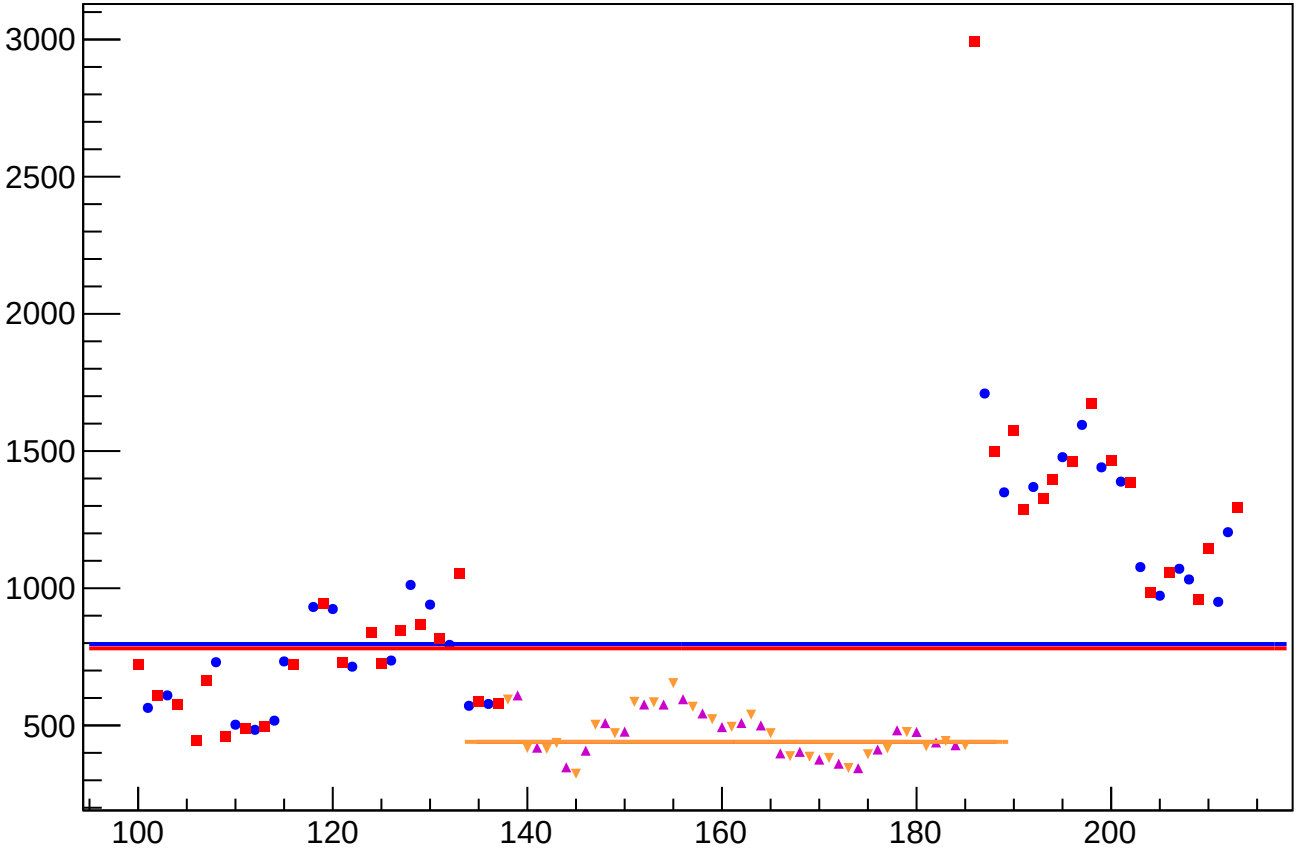
In: 62.318+/-0.008 χ^2/NDF:3356713.5/51

Out: 63.090+/-0.008 χ^2/NDF:4410084.4/58

All: 62.712+/-0.005 χ^2/NDF: 7771970.8/110


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: 487.879+/-204.429 χ²/NDF: 34.5/28
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: -139.640+/-141.464 χ²/NDF: 90.2/62
In: 31.006+/-93.077 χ²/NDF:64.1/51
Out: 247.266+/-90.321 χ²/NDF:134.1/58
All: 142.386+/-64.819 χ²/NDF: 201.0/110

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 796.677+/-0.145 χ^2/NDF: 4235444.1/28

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

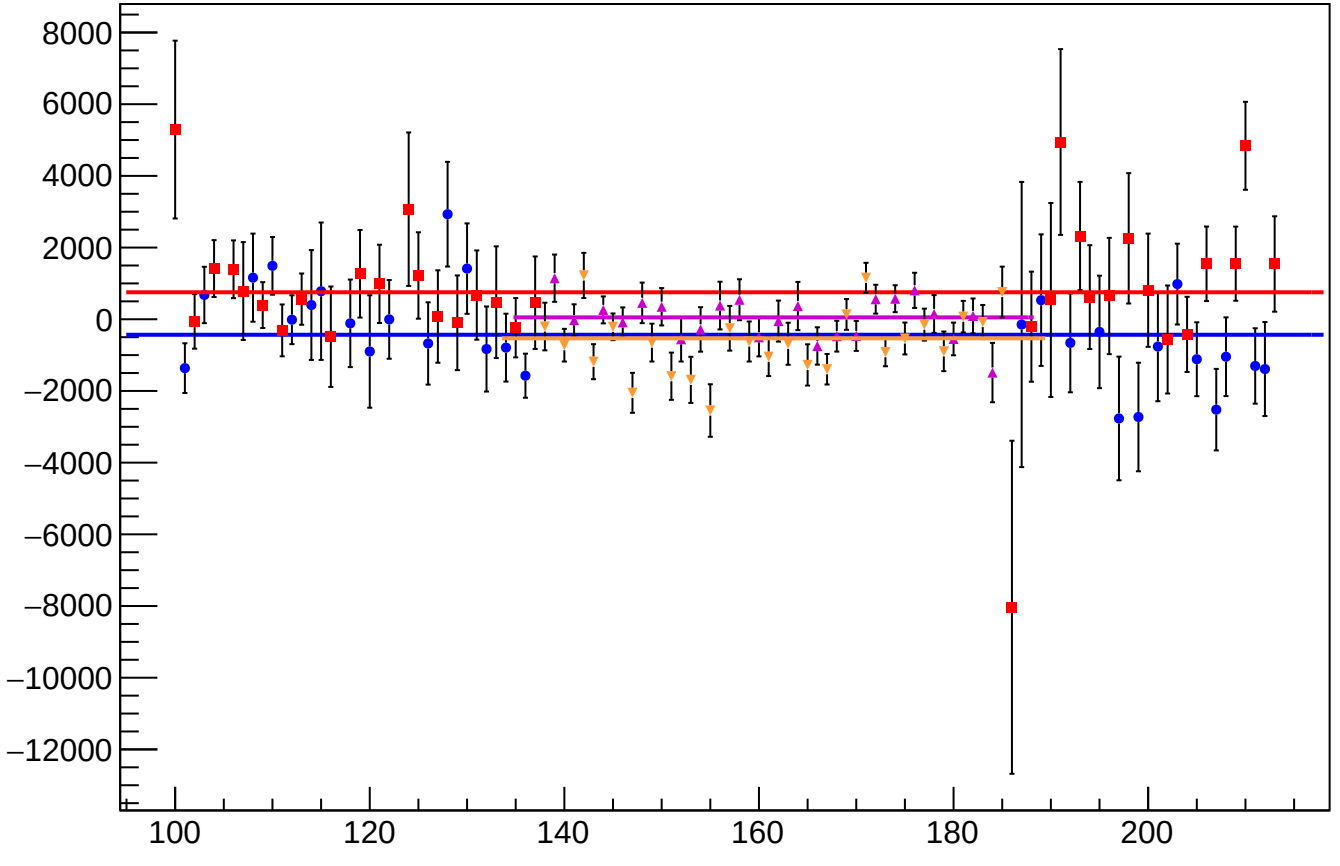
Right: 788.485+/-0.100 χ^2/NDF: 10300766.9/62

In: 513.841+/-0.066 χ^2/NDF:10126929.0/51

Out: 512.491+/-0.064 χ^2/NDF:12022501.6/58

All: 513.146+/-0.046 χ^2/NDF: 22149647.2/1

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -432.540+/-202.849 χ^2/NDF: 35.2/28

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

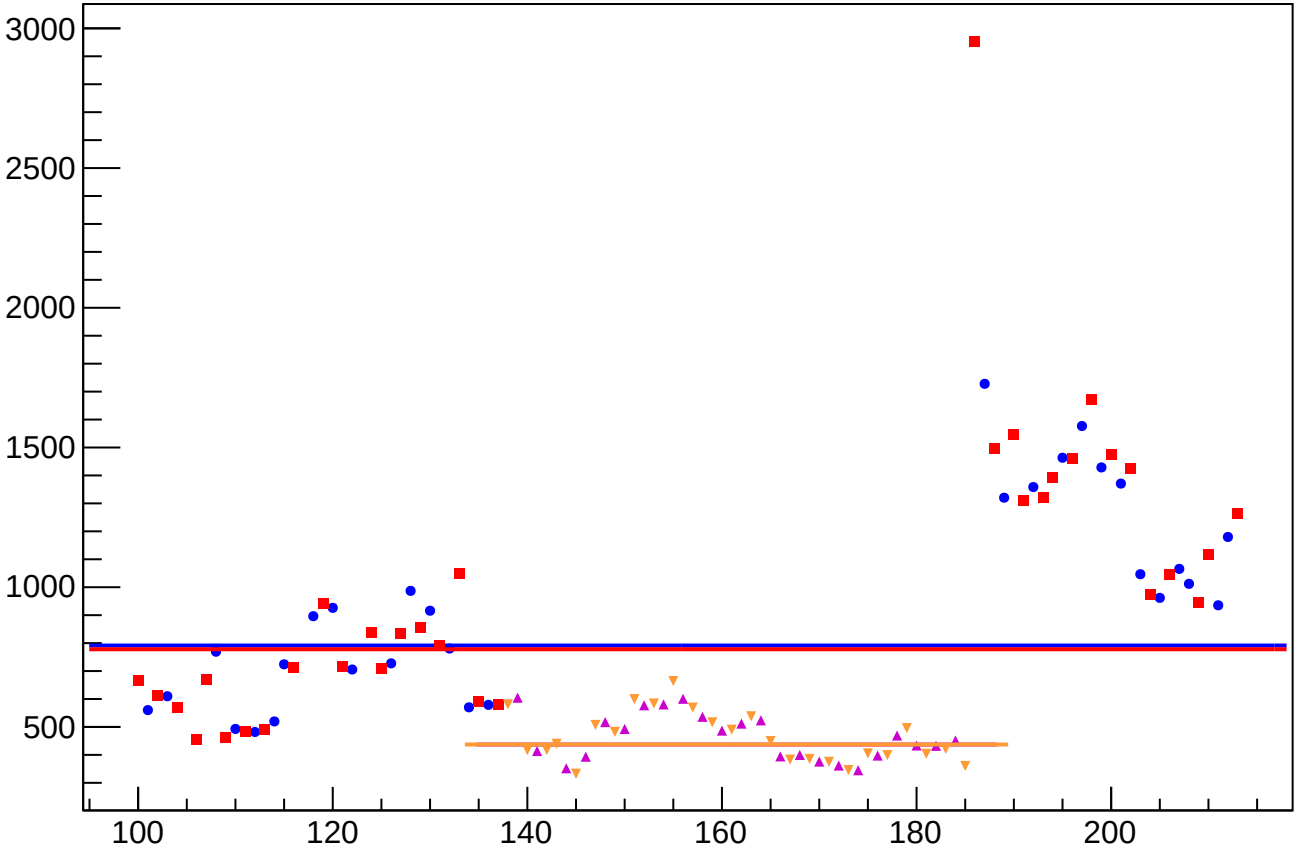
Right: 183.384+/-140.604 χ^2/NDF: 88.8/62

In: -48.216+/-92.454 χ^2/NDF:63.8/51

Out: -258.968+/-89.862 χ^2/NDF:135.6/58

All: -156.588+/-64.439 χ^2/NDF: 202.1/110

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 791.342+/-0.143 χ^2/NDF: 4140737.0/28

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

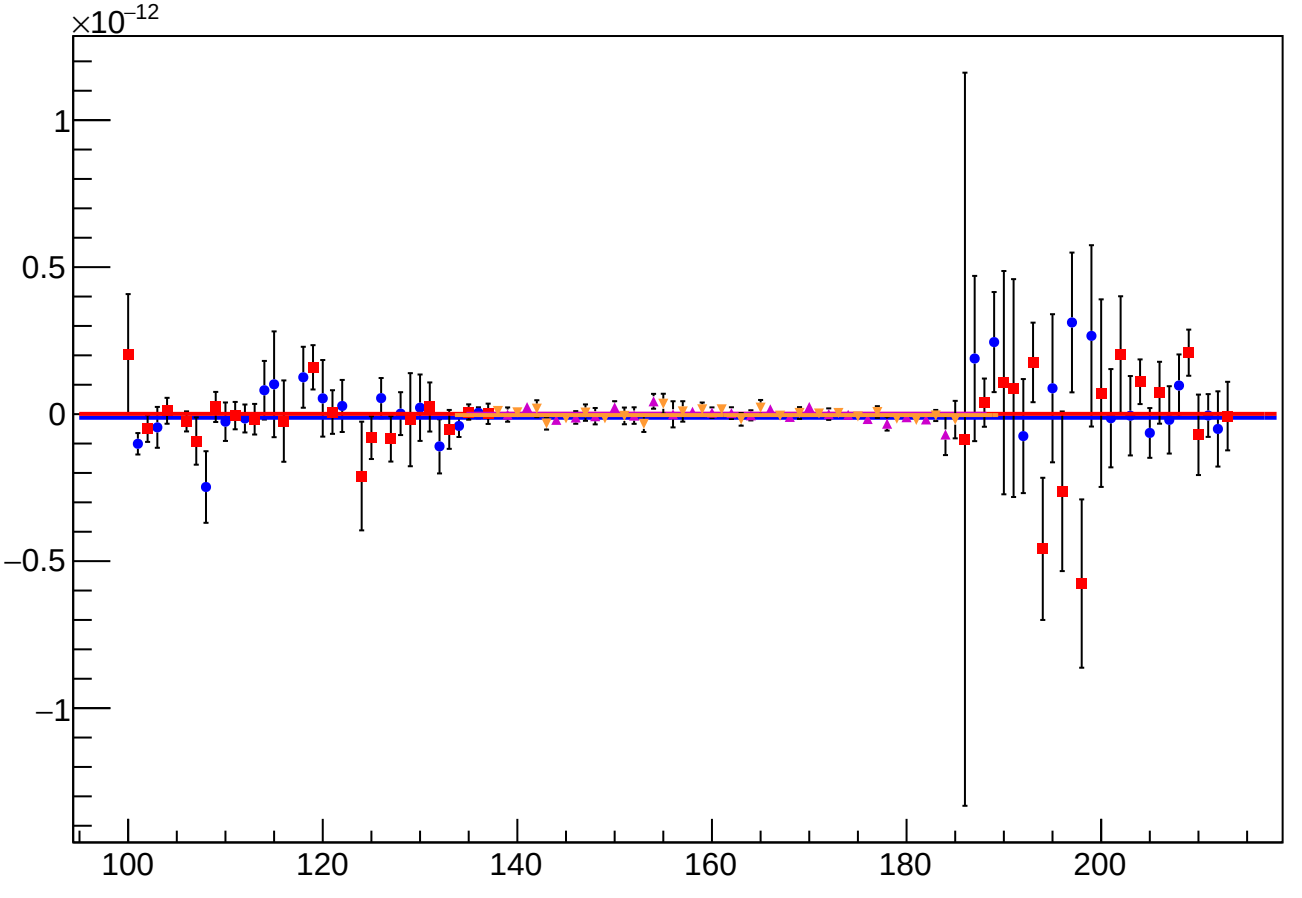
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 784.414+/-0.099 χ^2/NDF: 10144563.7/62

In: 510.559+/-0.065 χ^2/NDF:10057514.3/51

Out: 509.491+/-0.064 χ^2/NDF:12037324.2/58

All: 510.010+/-0.046 χ^2/NDF: 22094975.5/1



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/28

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

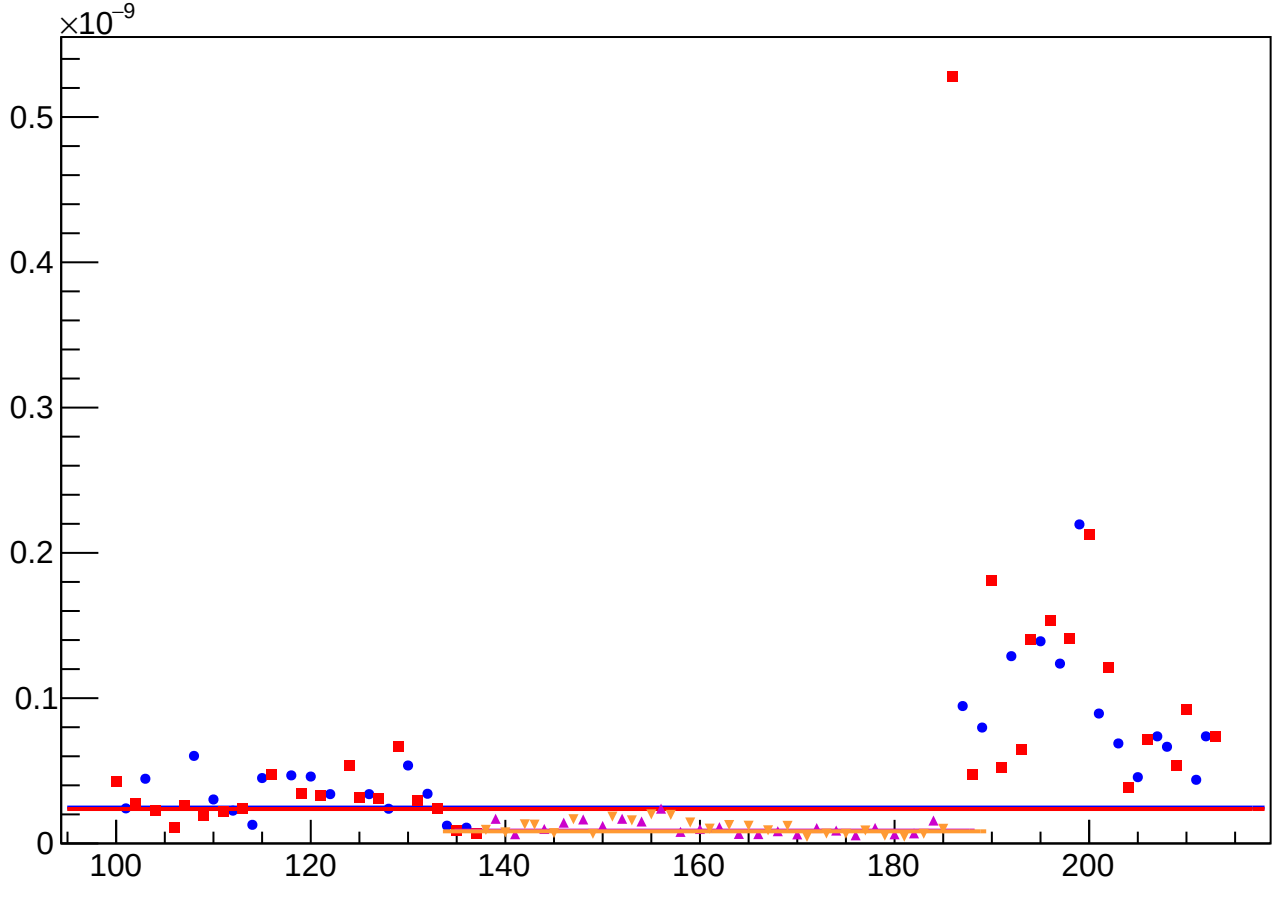
Right: -0.000+/-0.000 χ^2/NDF: 60.0/62

In: 0.000+/-0.000 χ^2/NDF:47.5/51

Out: -0.000+/-0.000 χ^2/NDF:49.5/58

All: -0.000+/-0.000 χ^2/NDF: 97.4/110

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6296414.6/28

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6945074.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

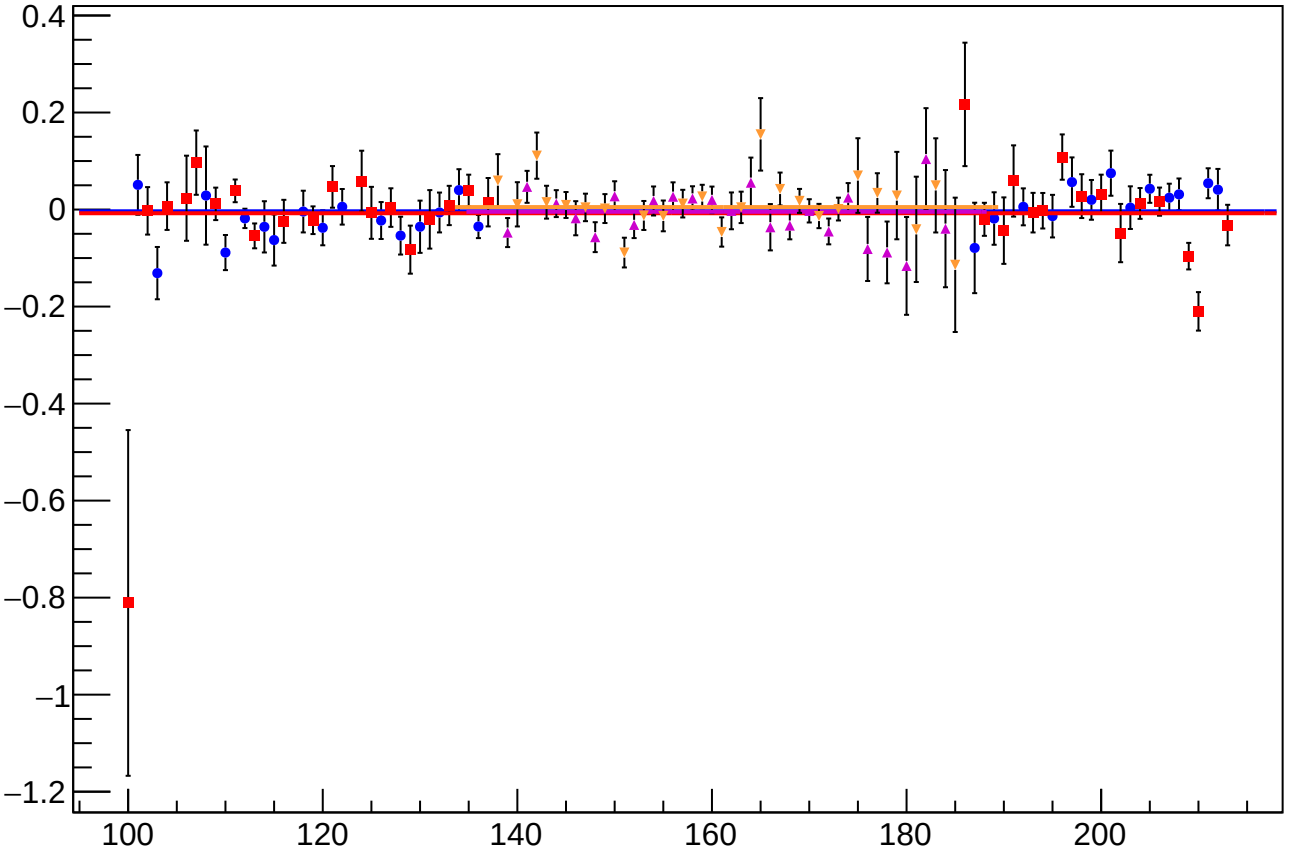
Right: 0.000+/-0.000 χ^2/NDF: 13248737.9/62

In: 0.000+/-0.000 χ^2/NDF:11184526.6/51

Out: 0.000+/-0.000 χ^2/NDF:12444980.1/58

All: 0.000+/-0.000 χ^2/NDF: 23660265.2/110

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.007 χ^2/NDF: 34.8/28

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

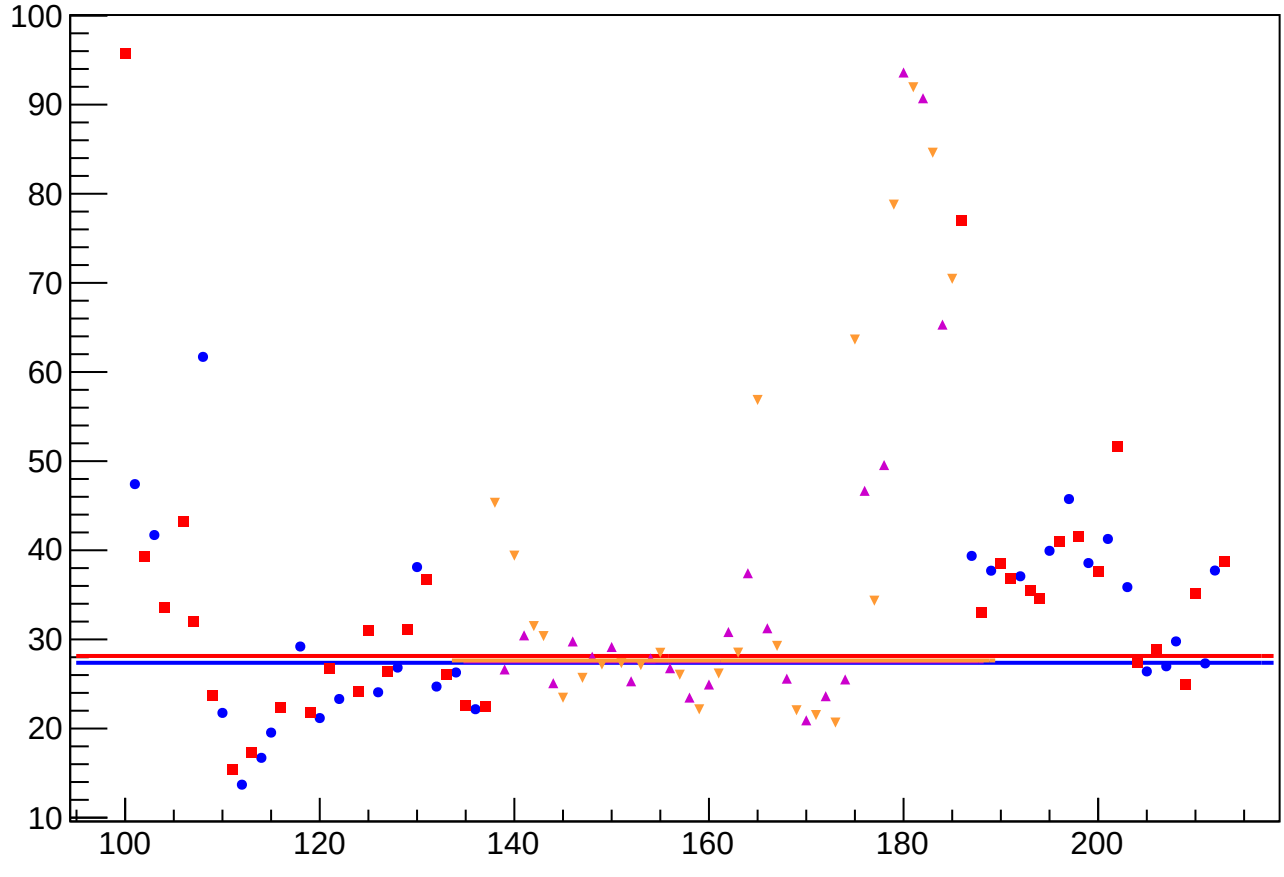
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.006+/-0.005 χ^2/NDF: 108.6/62

In: -0.004+/-0.005 χ^2/NDF:59.9/51

Out: -0.001+/-0.005 χ^2/NDF:103.7/58

All: -0.003+/-0.003 χ^2/NDF: 163.8/110



Right In: 27.376+/-0.005 χ^2/NDF: 3177578.8/28

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

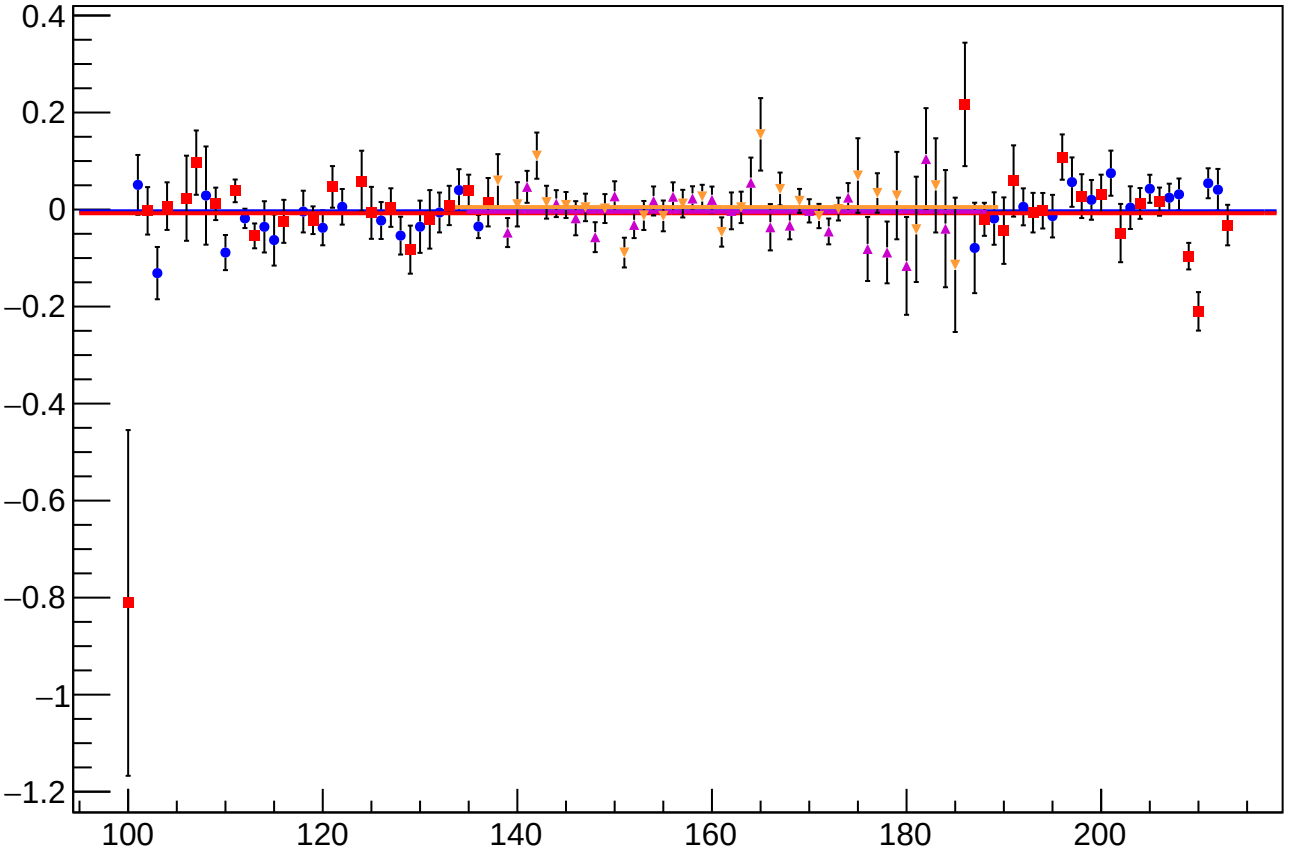
Right: 27.768+/-0.004 χ^2/NDF: 6235174.4/62

In: 27.451+/-0.004 χ^2/NDF:5812560.3/51

Out: 27.885+/-0.003 χ^2/NDF:7025182.9/58

All: 27.673+/-0.002 χ^2/NDF: 12845505.2/110

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.007 χ^2/NDF: 34.8/28

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

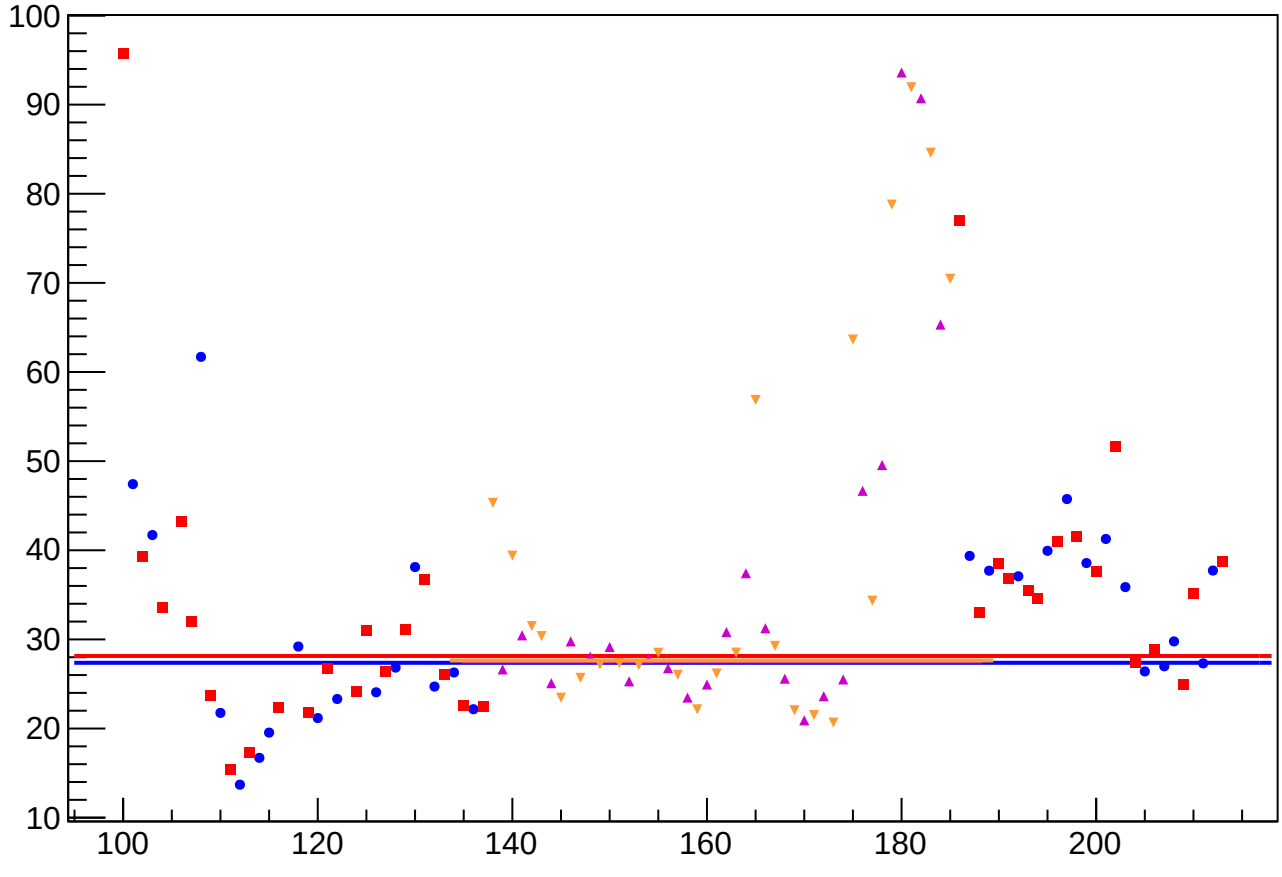
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.006+/-0.005 χ^2/NDF: 108.6/62

In: -0.004+/-0.005 χ^2/NDF:59.9/51

Out: -0.001+/-0.005 χ^2/NDF:103.7/58

All: -0.003+/-0.003 χ^2/NDF: 163.8/110



Right In: 27.376+/-0.005 χ^2/NDF: 3177578.8/28

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

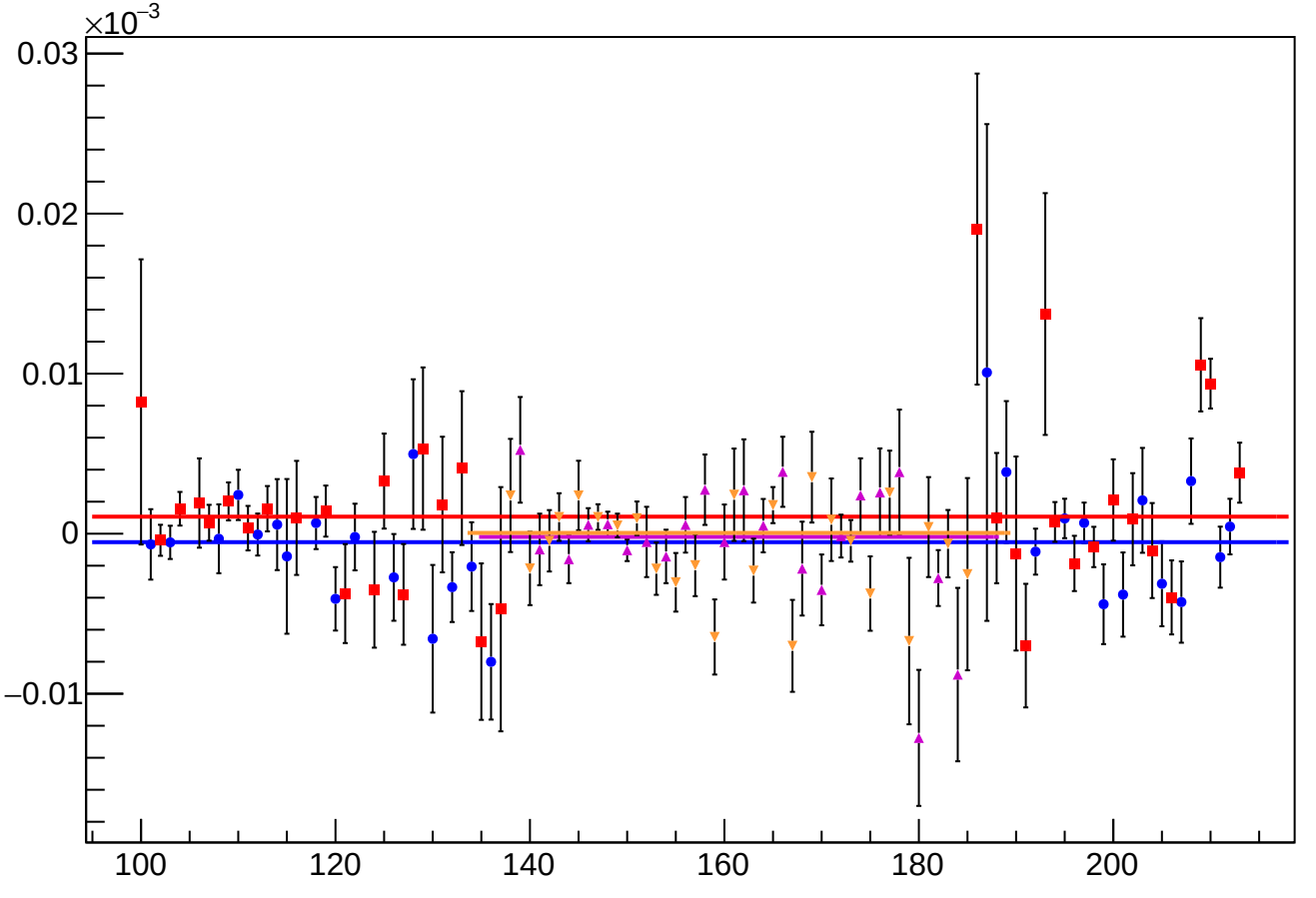
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.768+/-0.004 χ^2/NDF: 6235174.4/62

In: 27.451+/-0.004 χ^2/NDF:5812560.3/51

Out: 27.885+/-0.003 χ^2/NDF:7025182.9/58

All: 27.673+/-0.002 χ^2/NDF: 12845505.2/110



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/28

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

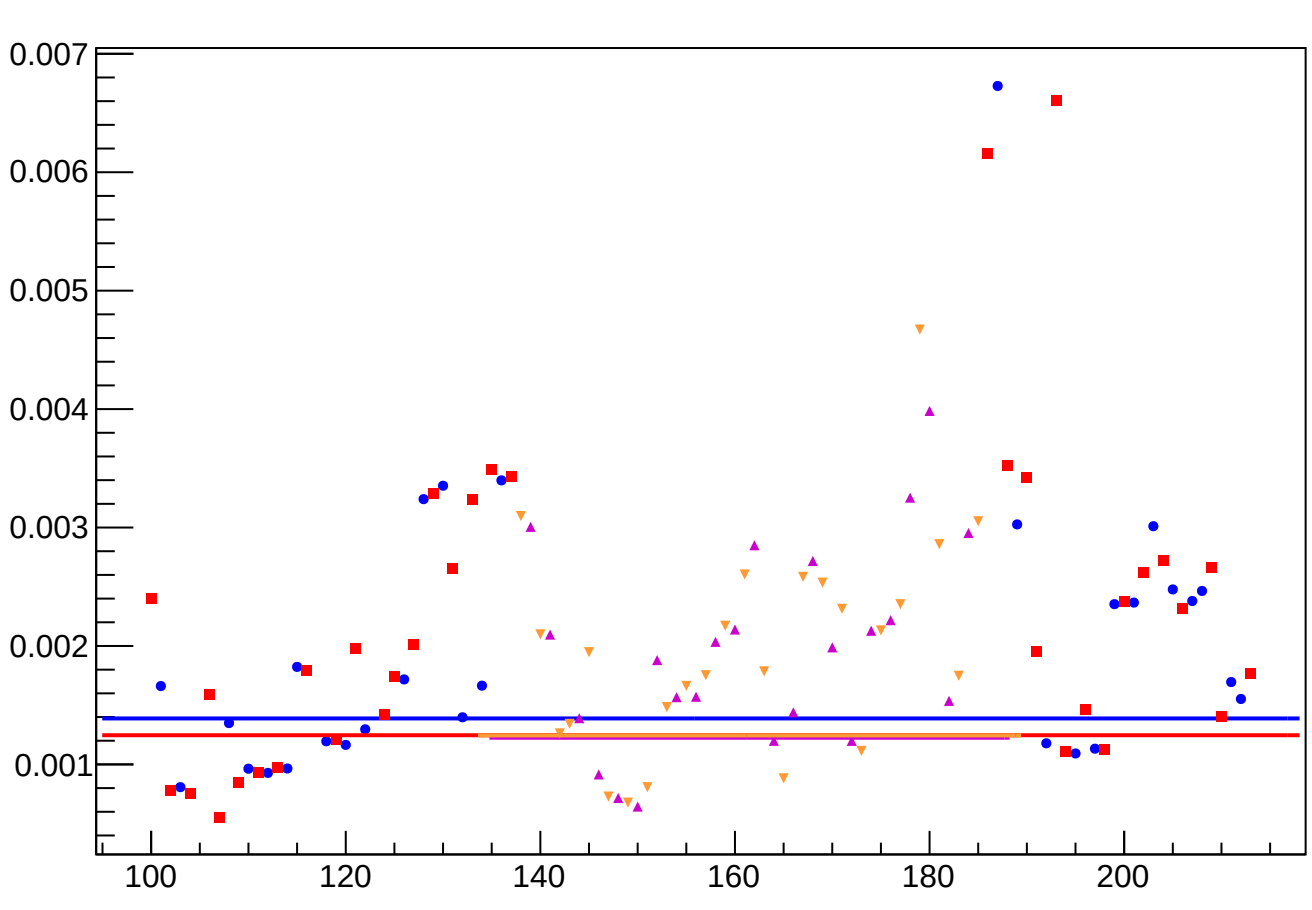
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 120.5/62

In: -0.000+/-0.000 χ^2/NDF:65.6/51

Out: 0.000+/-0.000 χ^2/NDF:120.1/58

All: 0.000+/-0.000 χ^2/NDF: 192.5/110



Right In: 0.001+/-0.000 χ^2/NDF: 5362669.4/28

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

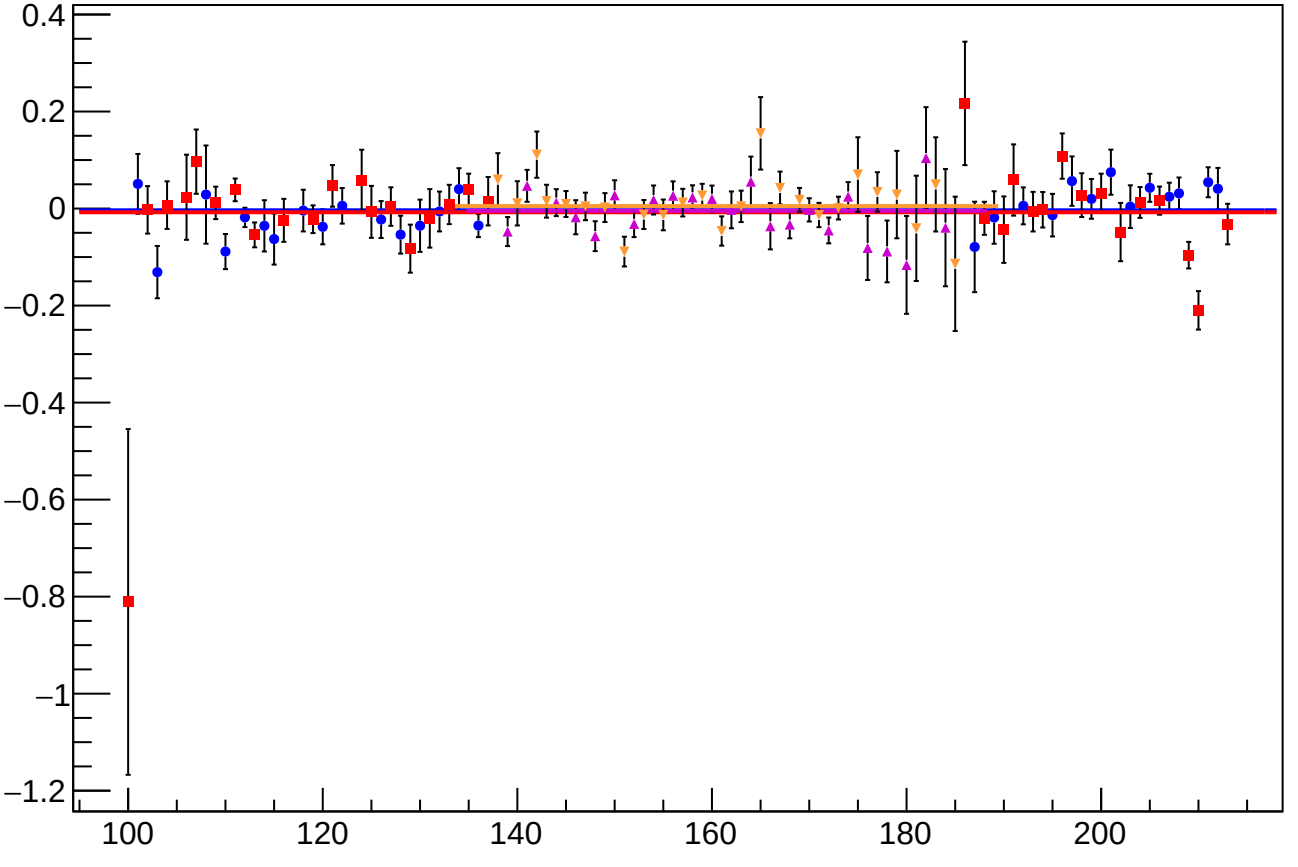
Right: 0.001+/-0.000 χ^2/NDF: 14446406.4/62

In: 0.001+/-0.000 χ^2/NDF:13399731.9/51

Out: 0.001+/-0.000 χ^2/NDF:17264309.3/58

All: 0.001+/-0.000 χ^2/NDF: 30711103.1/110

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.007 χ^2/NDF: 34.8/28

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

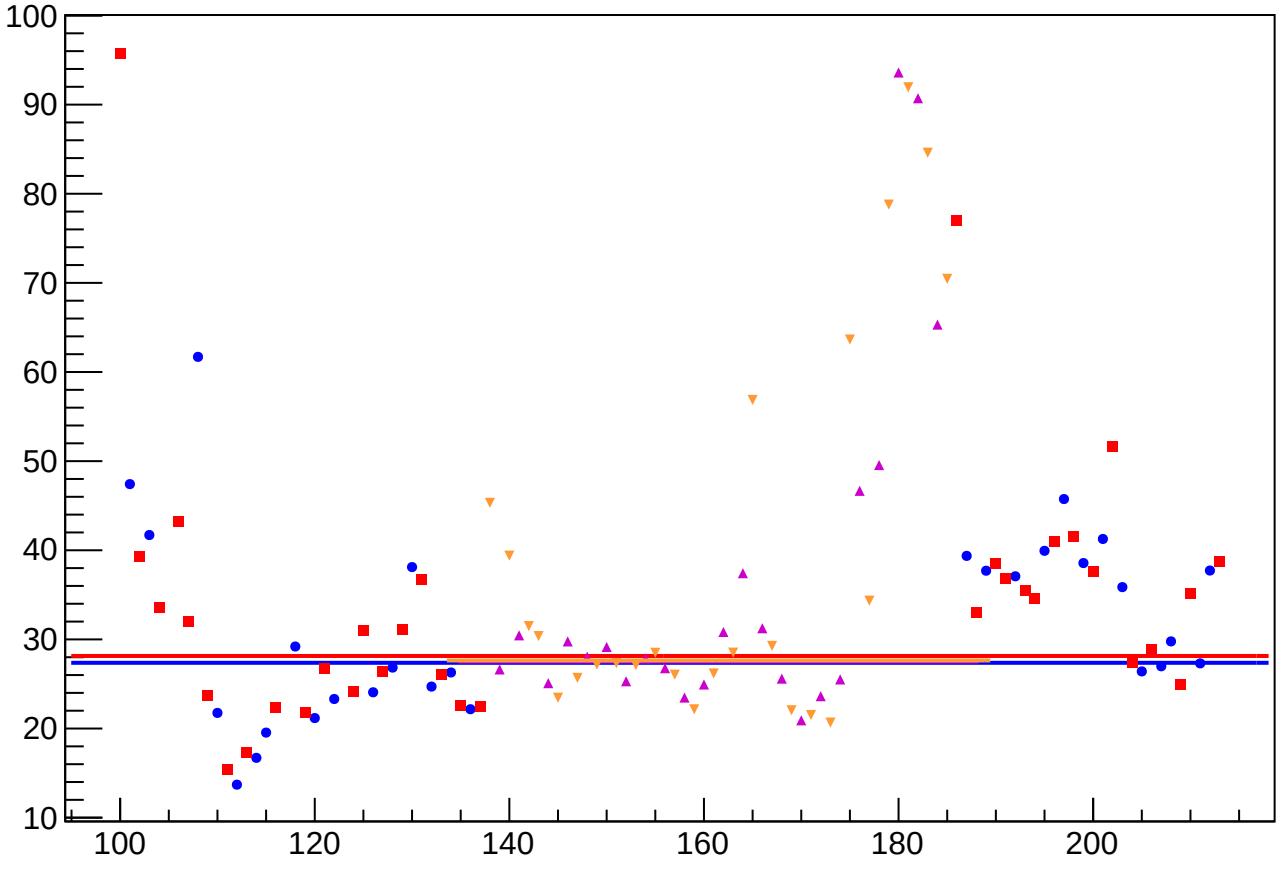
Right: -0.006+/-0.005 χ^2/NDF: 108.6/62

In: -0.004+/-0.005 χ^2/NDF:59.9/51

Out: -0.001+/-0.005 χ^2/NDF:103.7/58

All: -0.003+/-0.003 χ^2/NDF: 163.8/110

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.376+/-0.005 χ^2/NDF: 3177582.8/28

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

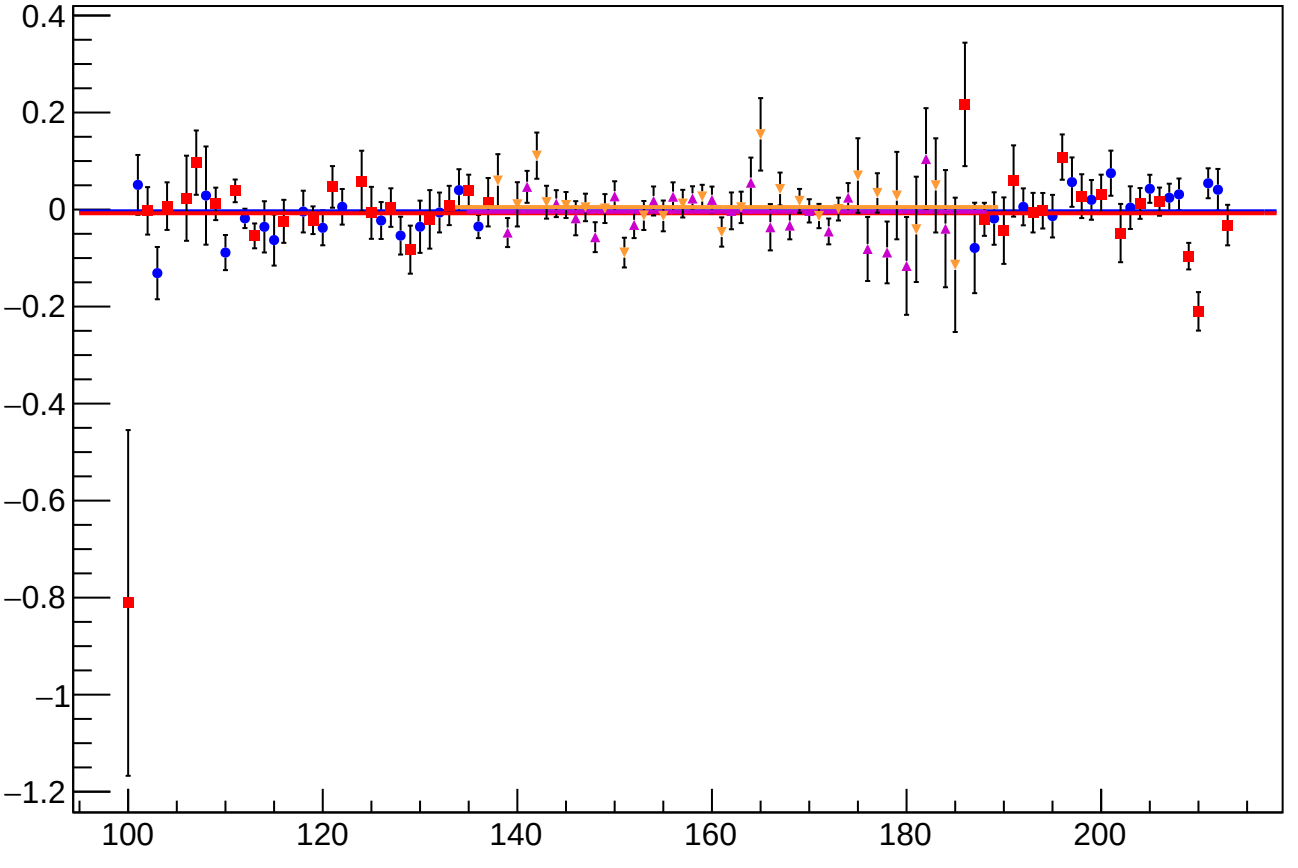
Right: 27.768+/-0.004 χ^2/NDF: 6235272.6/62

In: 27.452+/-0.004 χ^2/NDF:5812533.6/51

Out: 27.885+/-0.003 χ^2/NDF:7025210.0/58

All: 27.673+/-0.002 χ^2/NDF: 12845507.4/110

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.007 χ^2/NDF: 34.8/28

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

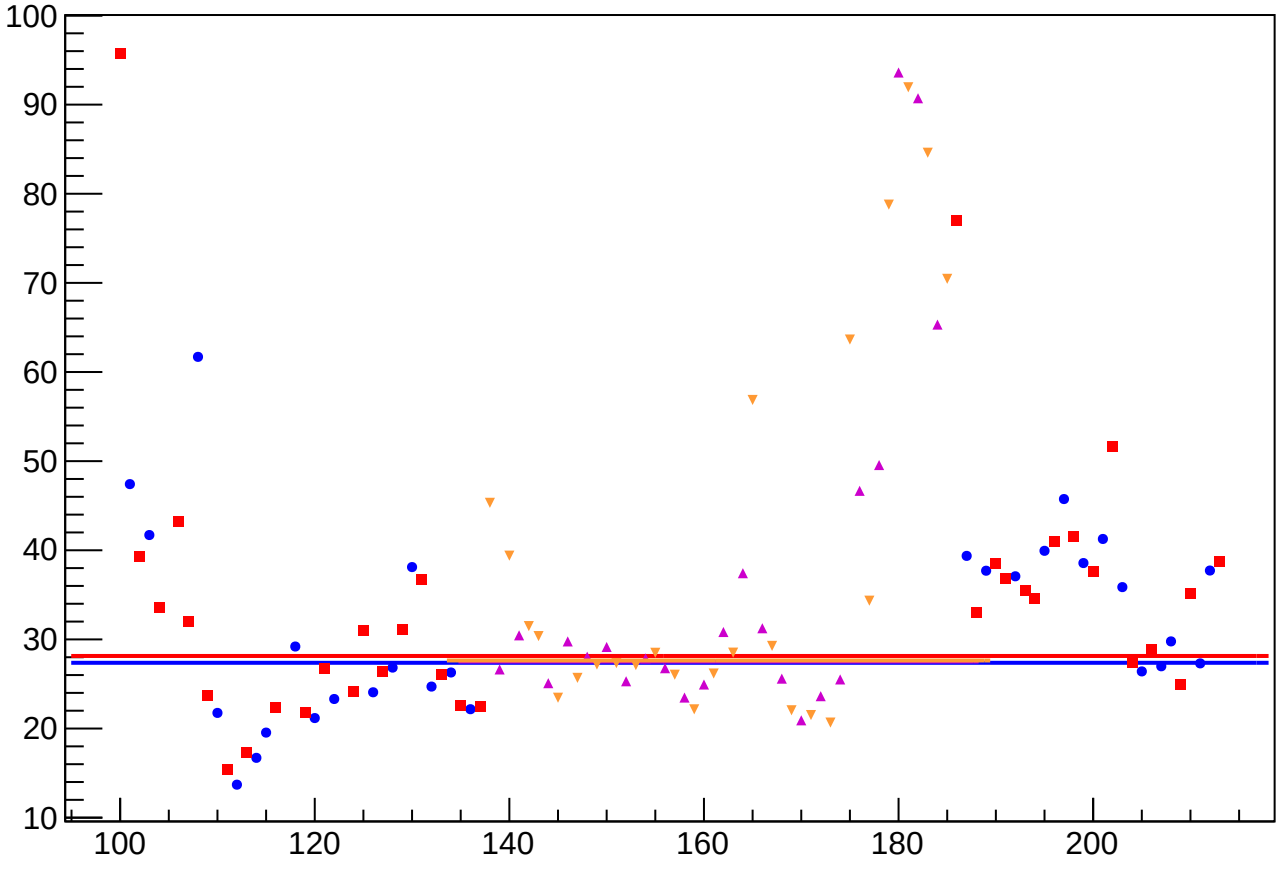
Right: -0.006+/-0.005 χ^2/NDF: 108.6/62

In: -0.004+/-0.005 χ^2/NDF:59.9/51

Out: -0.001+/-0.005 χ^2/NDF:103.7/58

All: -0.003+/-0.003 χ^2/NDF: 163.8/110

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.376+/-0.005 χ^2/NDF: 3177582.8/28

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

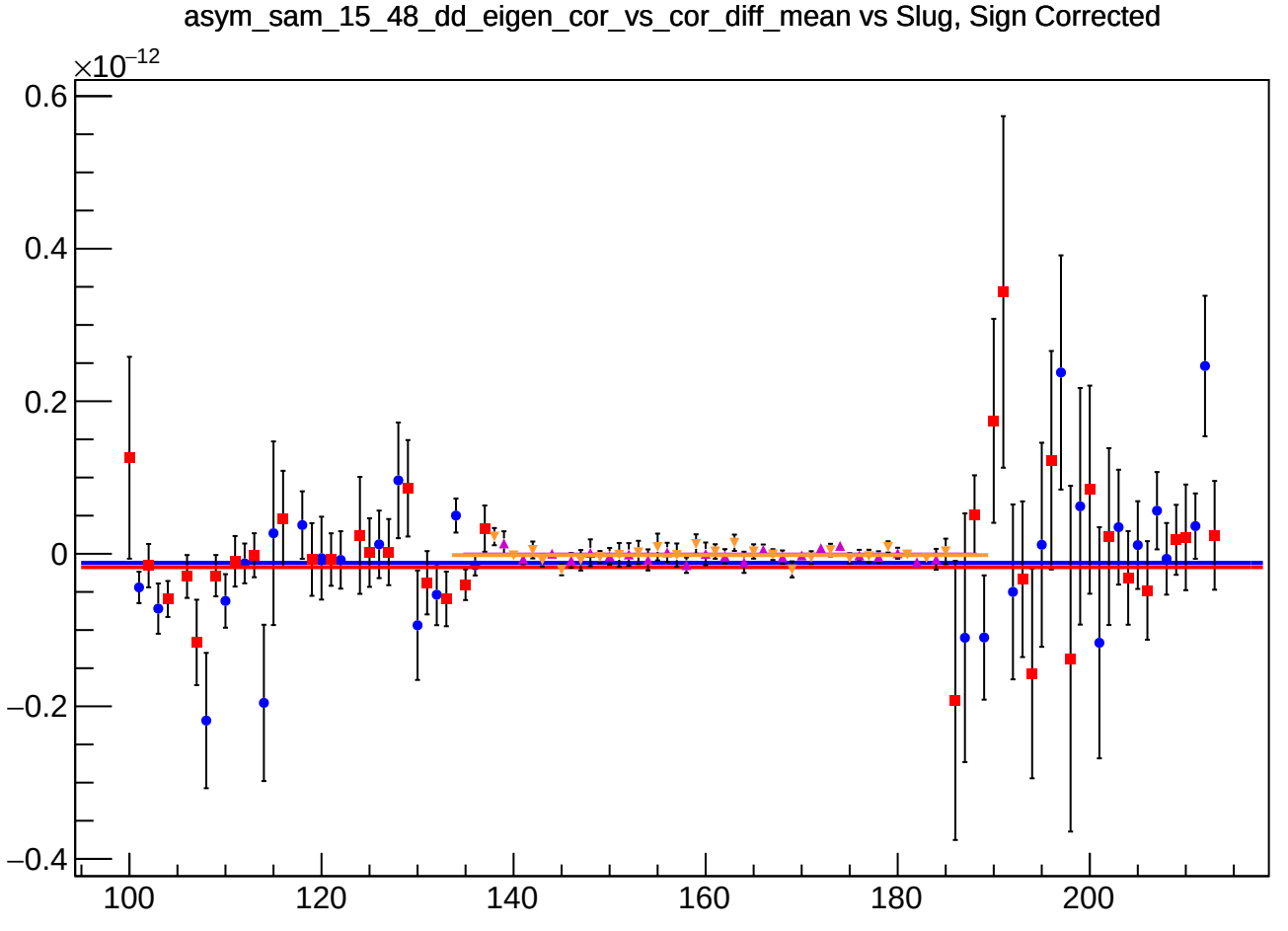
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.768+/-0.004 χ^2/NDF: 6235272.6/62

In: 27.452+/-0.004 χ^2/NDF:5812533.6/51

Out: 27.885+/-0.003 χ^2/NDF:7025210.0/58

All: 27.673+/-0.002 χ^2/NDF: 12845507.4/110



Right In: -0.000+/-0.000 χ^2/NDF: 47.1/28

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

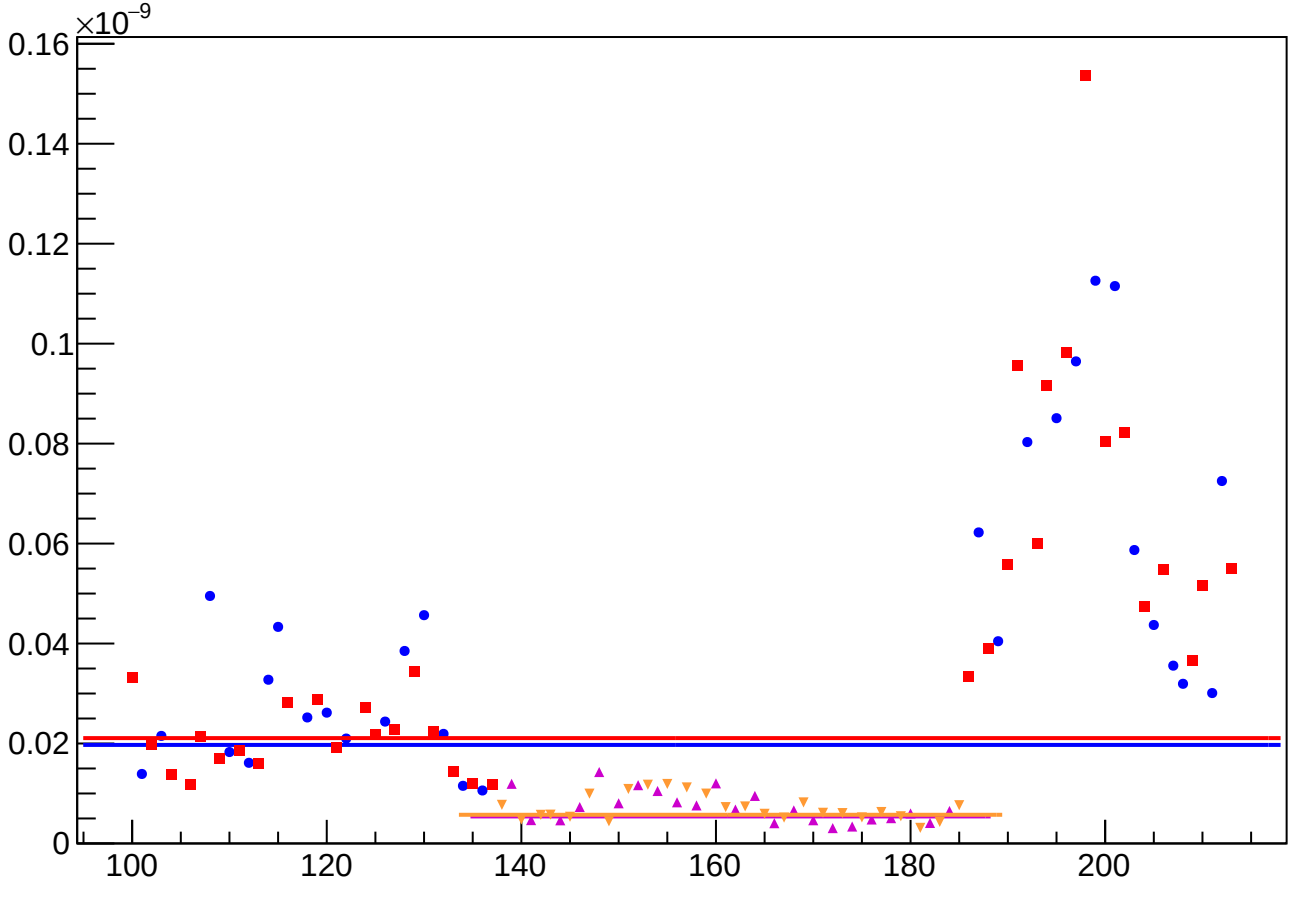
Right: -0.000+/-0.000 χ^2/NDF: 77.4/62

In: -0.000+/-0.000 χ^2/NDF:65.8/51

Out: -0.000+/-0.000 χ^2/NDF:58.8/58

All: -0.000+/-0.000 χ^2/NDF: 124.7/110

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7470167.0/28

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

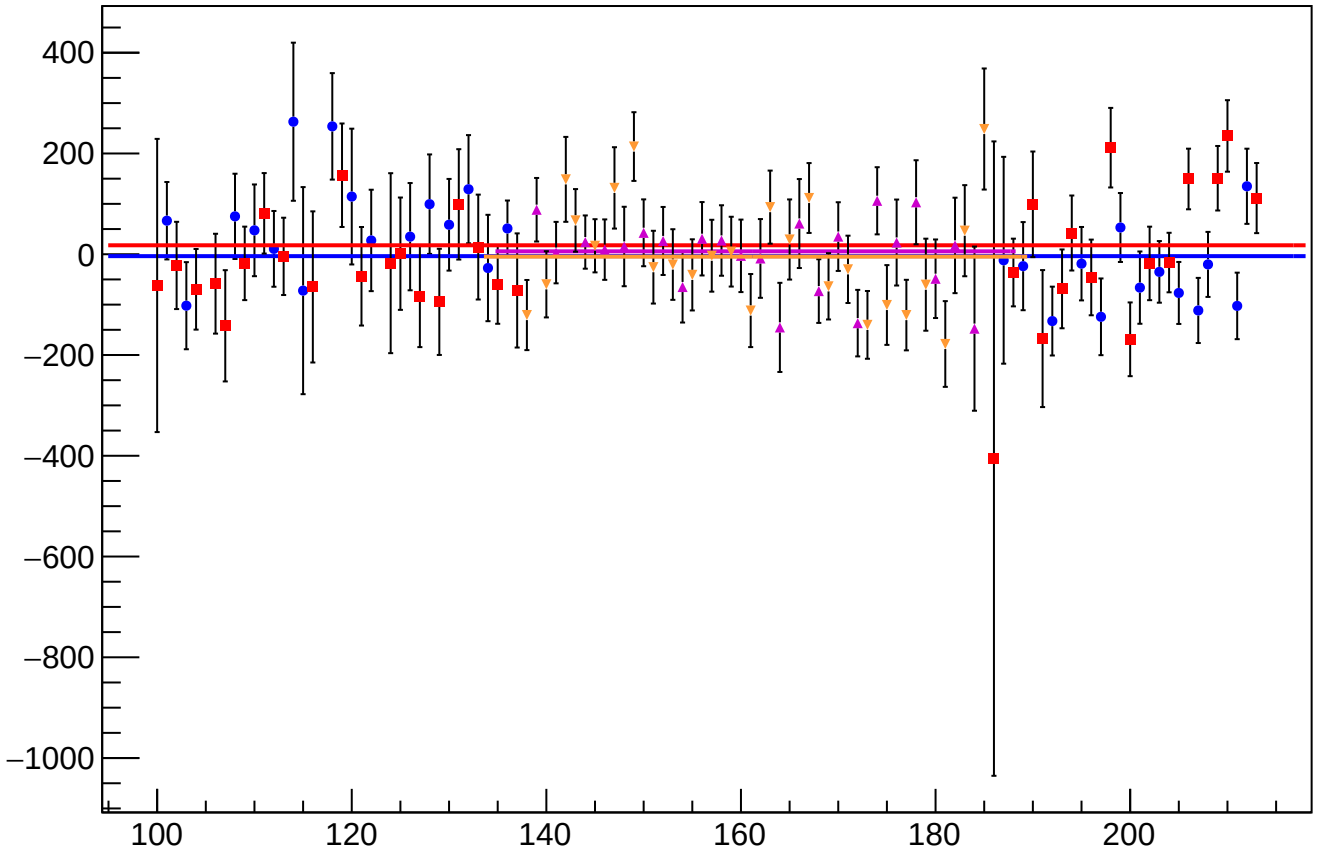
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14502666.2/62

In: 0.000+/-0.000 χ^2/NDF:18321805.6/51

Out: 0.000+/-0.000 χ^2/NDF:17797943.2/58

All: 0.000+/-0.000 χ^2/NDF: 36165870.0/110



Right In: -3.771+/-15.043 χ^2/NDF: 35.2/28

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

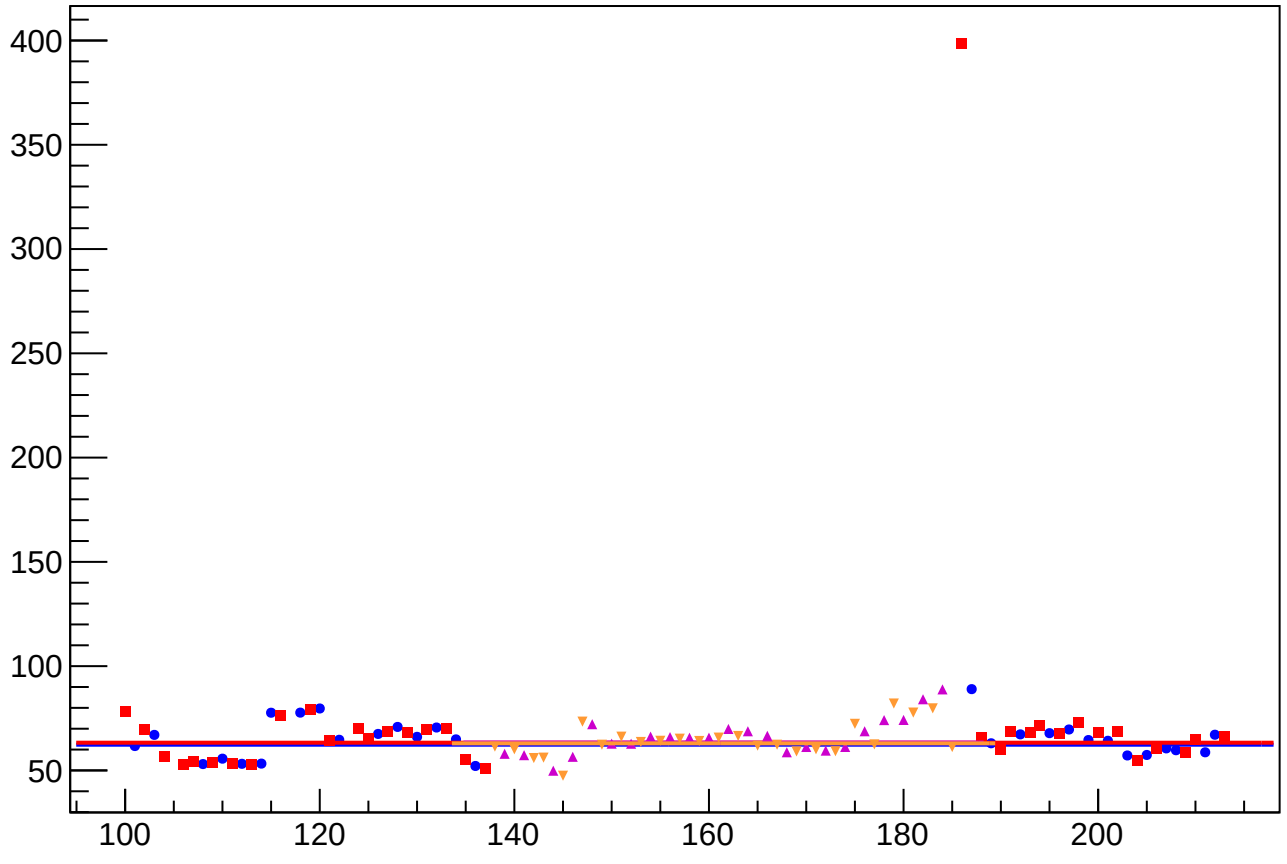
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 7.215+/-10.530 χ^2/NDF: 87.3/62

In: 1.038+/-10.597 χ^2/NDF:53.7/51

Out: 6.272+/-10.313 χ^2/NDF:99.6/58

All: 3.726+/-7.391 χ^2/NDF: 153.4/110



Right In: 62.330+/-0.011 χ^2/NDF: 392666.5/28

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

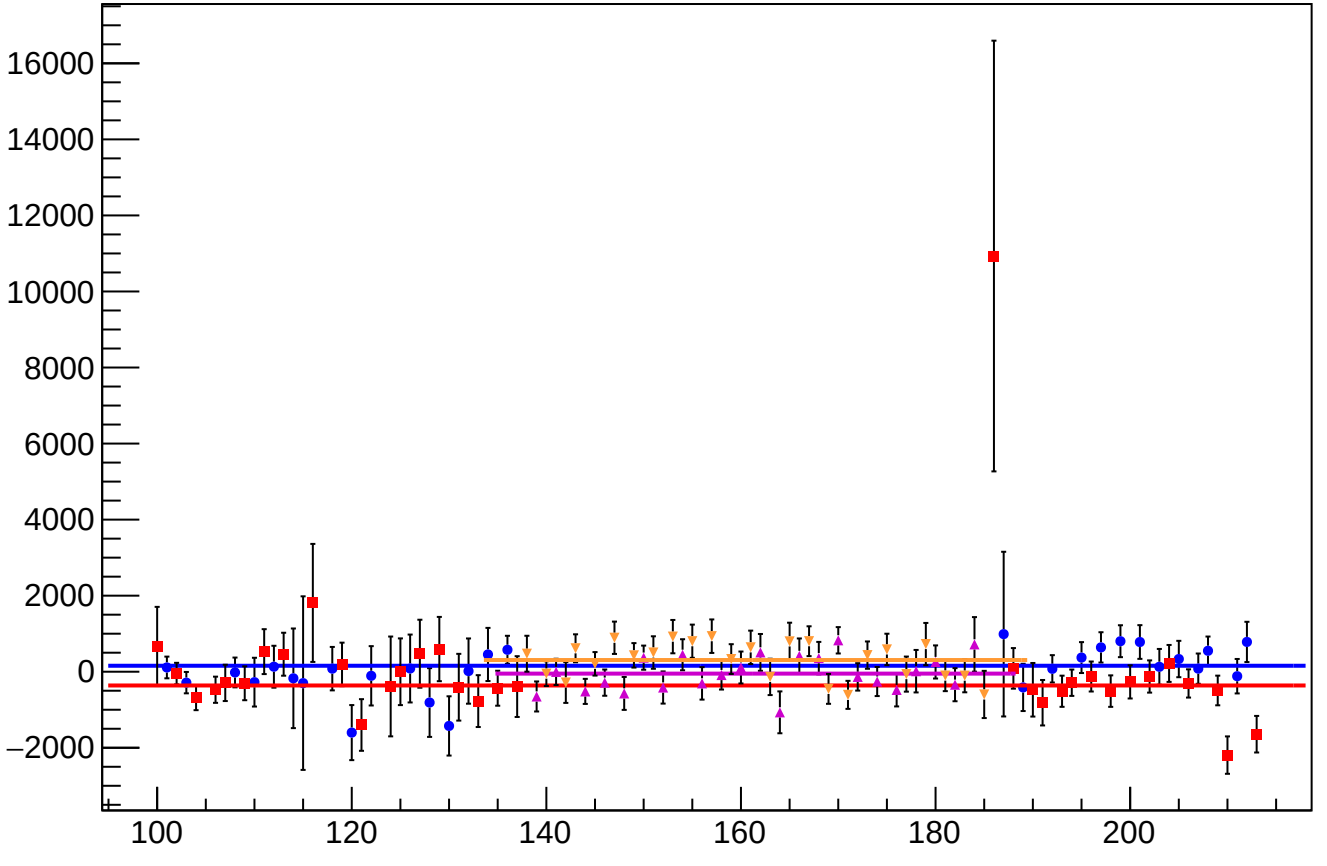
Right: 62.822+/-0.007 χ^2/NDF: 1426133.5/62

In: 62.852+/-0.007 χ^2/NDF:894363.3/51

Out: 63.132+/-0.007 χ^2/NDF:1556615.7/58

All: 62.995+/-0.005 χ^2/NDF: 2451695.4/110

asym_sam_37_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 156.886+/-89.846 χ^2/NDF: 26.3/28

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

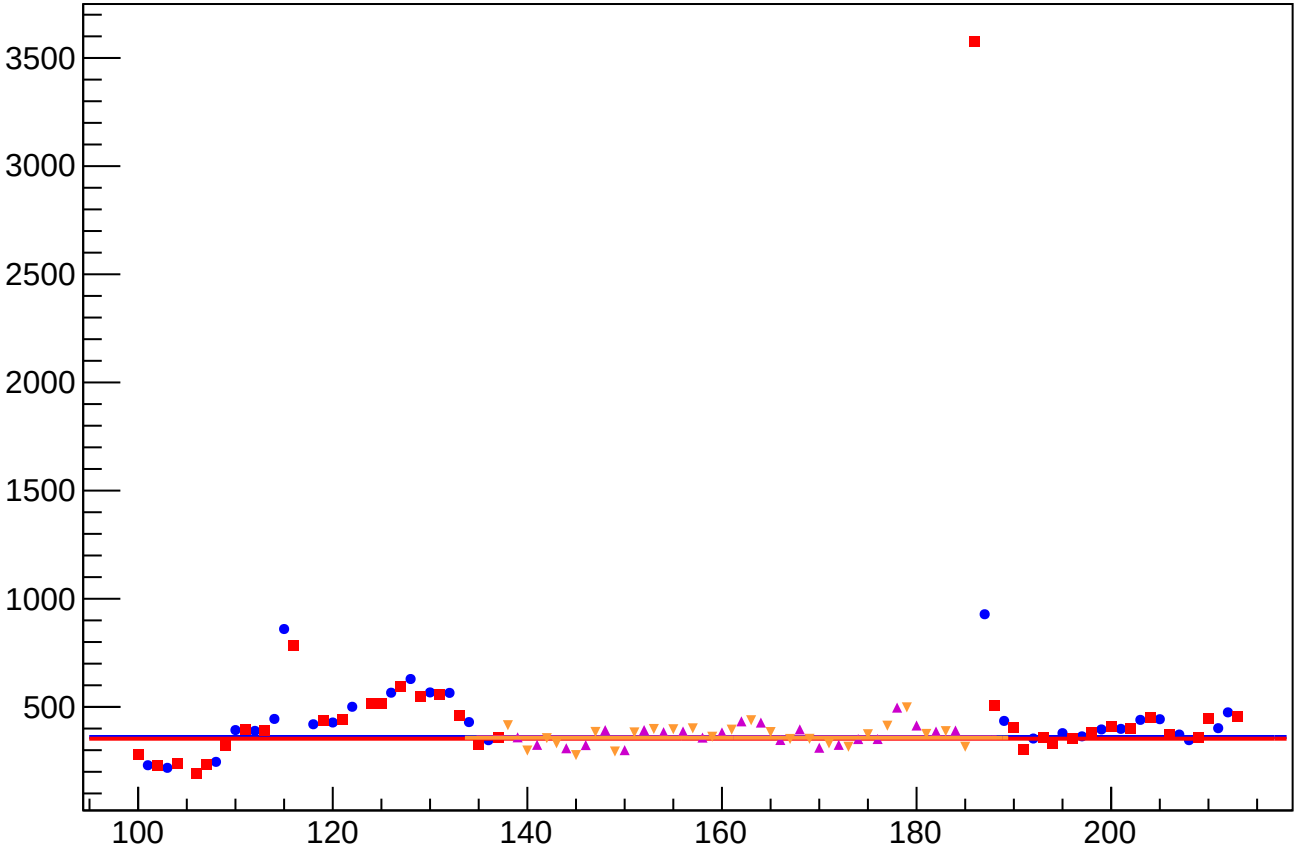
Right: -117.024+/-61.725 χ^2/NDF: 88.3/62

In: 47.500+/-61.684 χ^2/NDF:56.3/51

Out: -17.011+/-59.130 χ^2/NDF:107.1/58

All: 13.881+/-42.686 χ^2/NDF: 164.0/110

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 360.914+/-0.064 χ^2/NDF: 2306214.6/28

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

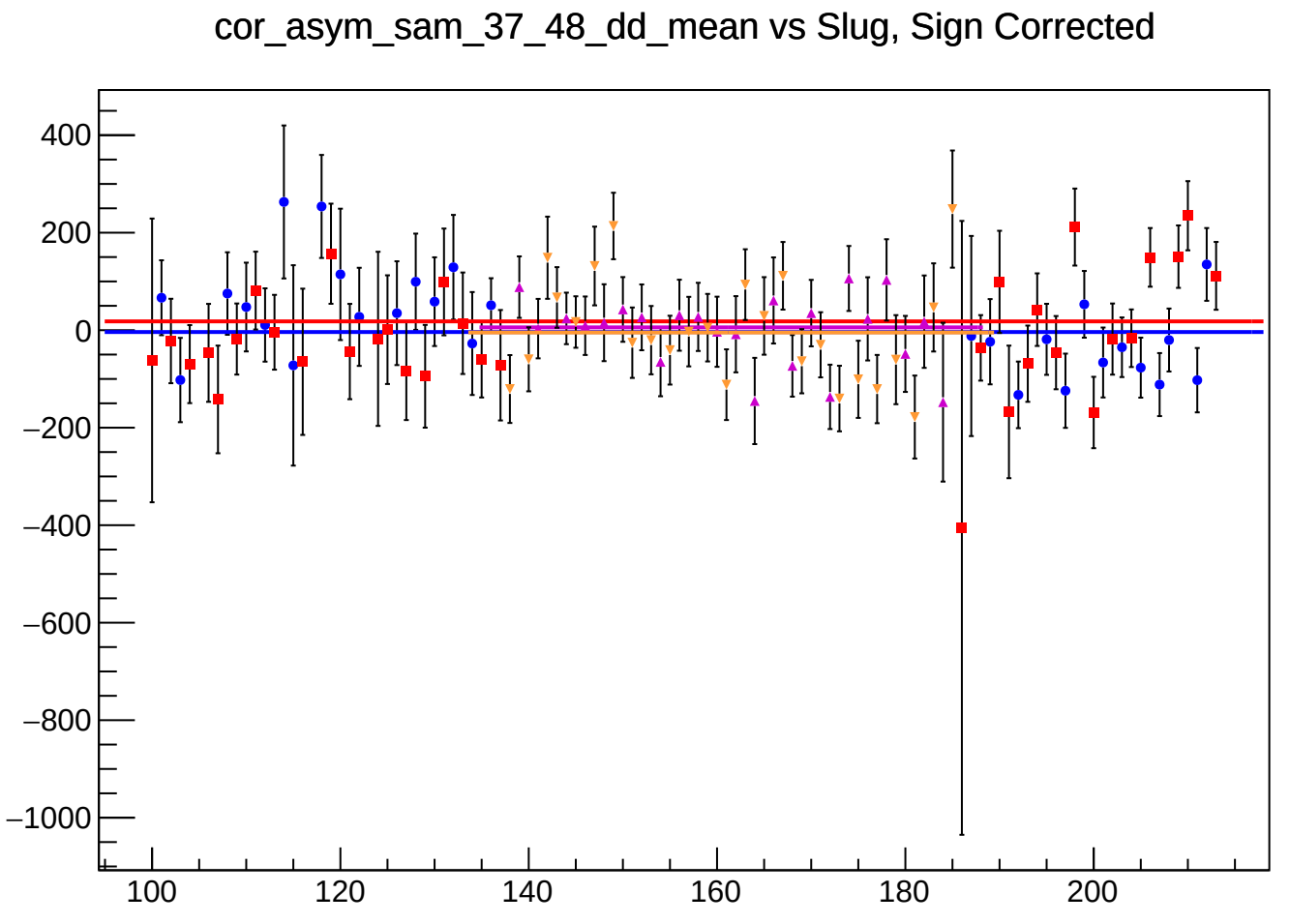
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 356.786+/-0.044 χ^2/NDF: 5477788.1/62

In: 360.087+/-0.044 χ^2/NDF:2826294.9/51

Out: 355.486+/-0.042 χ^2/NDF:3850378.6/58

All: 357.689+/-0.030 χ^2/NDF: 6682473.3/110



Right In: -3.777+/-15.043 χ^2/NDF: 35.2/28

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

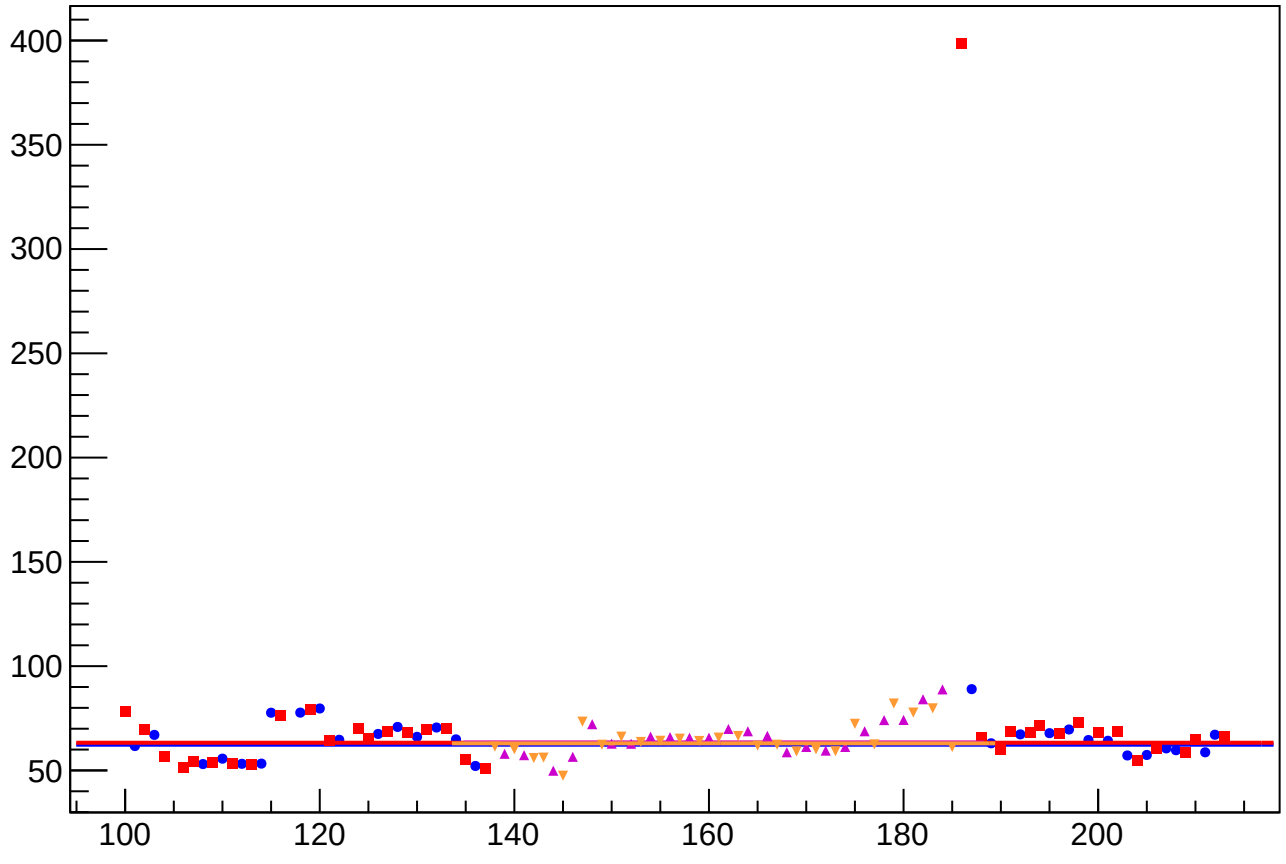
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 7.365+/-10.531 χ^2/NDF: 87.2/62

In: 1.035+/-10.597 χ^2/NDF:53.7/51

Out: 6.415+/-10.315 χ^2/NDF:99.4/58

All: 3.798+/-7.392 χ^2/NDF: 153.3/110



Right In: 62.330+/-0.011 χ^2/NDF: 392666.7/28

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

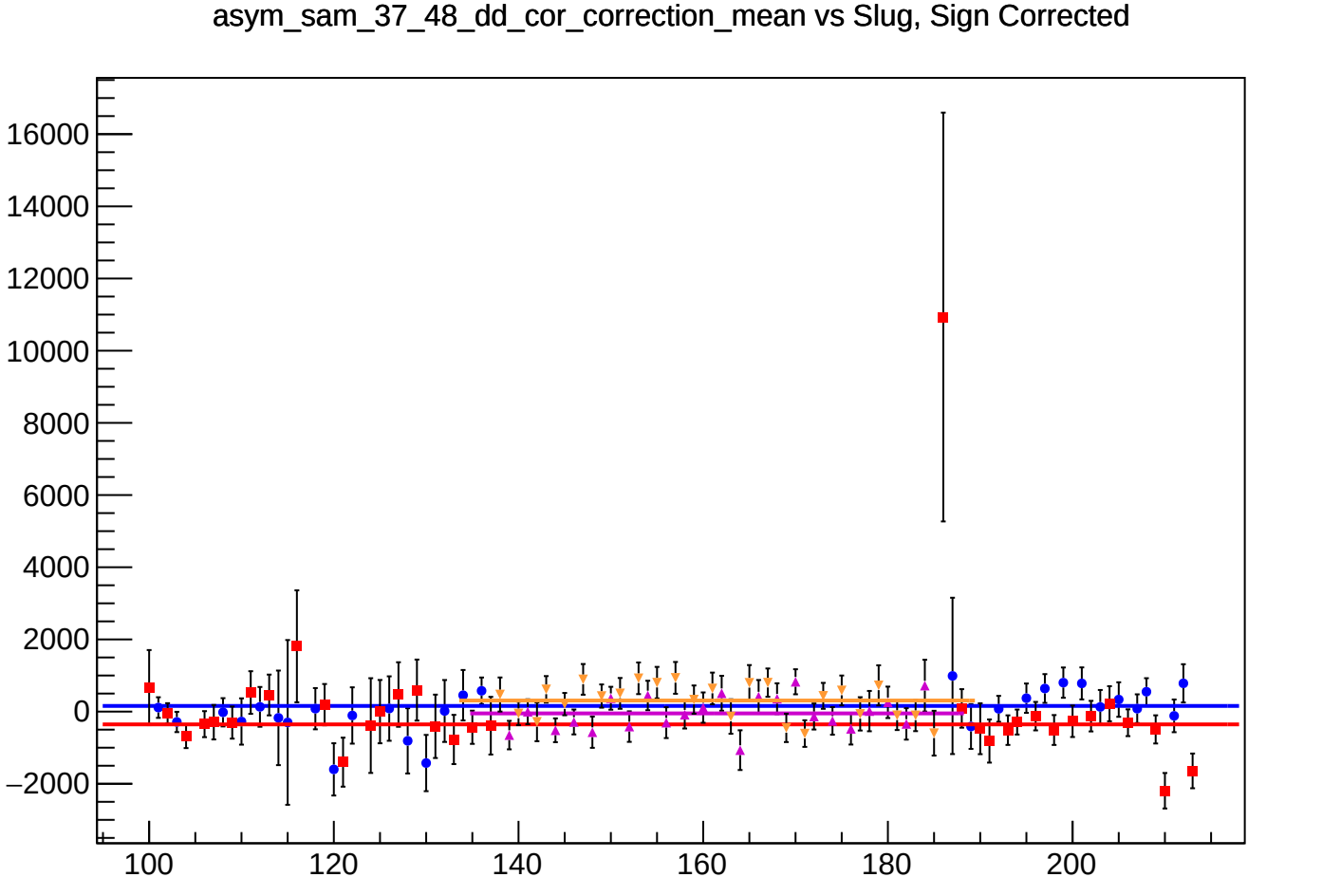
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.813+/-0.007 χ^2/NDF: 1430109.3/62

In: 62.852+/-0.007 χ^2/NDF:894363.4/51

Out: 63.124+/-0.007 χ^2/NDF:1560683.5/58

All: 62.991+/-0.005 χ^2/NDF: 2455723.7/110



Right In: 156.891+/-89.847 χ^2/NDF: 26.3/28

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

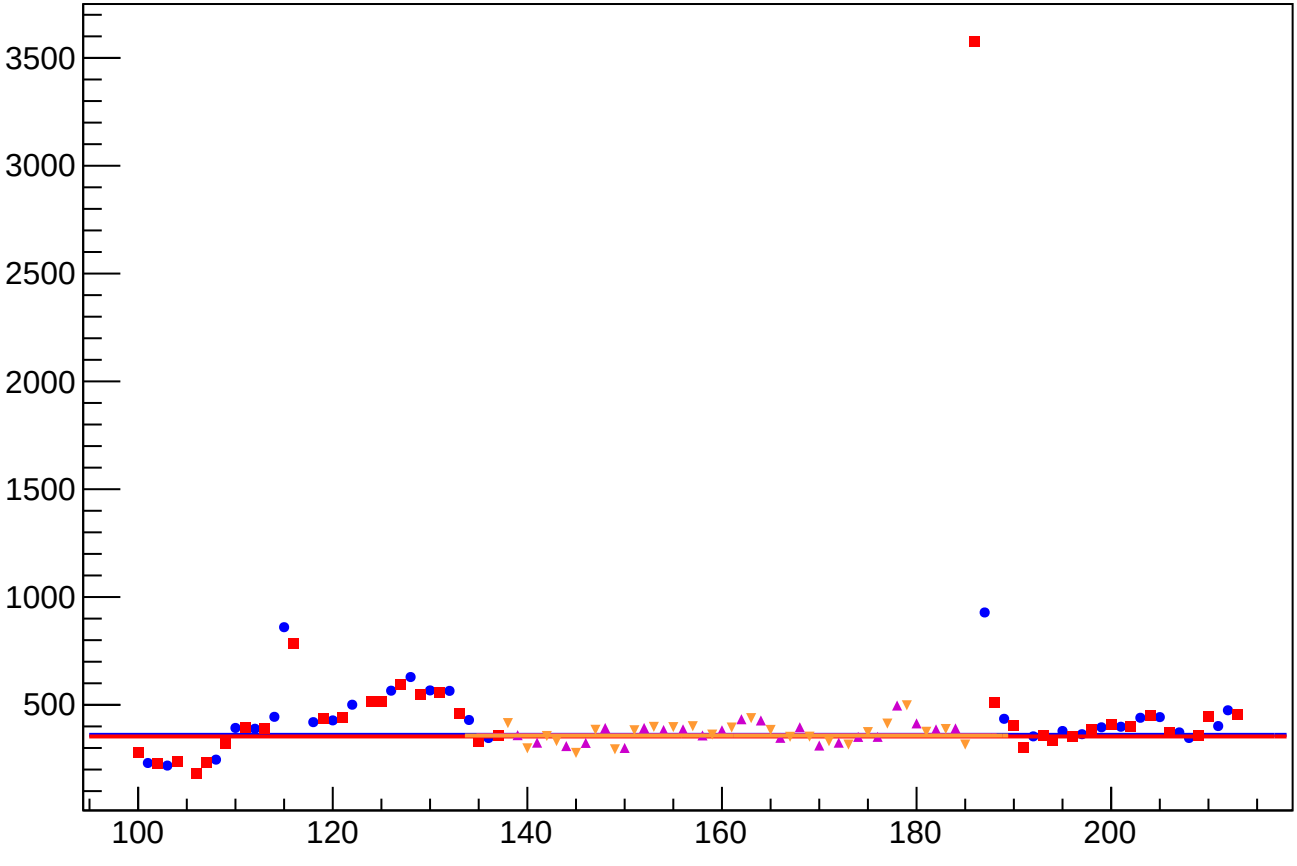
Right: -112.358+/-61.813 χ^2/NDF: 87.7/62

In: 47.503+/-61.684 χ^2/NDF:56.3/51

Out: -12.472+/-59.208 χ^2/NDF:106.1/58

All: 16.287+/-42.715 χ^2/NDF: 163.0/110

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 360.915+/-0.064 χ^2/NDF: 2306128.9/28

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

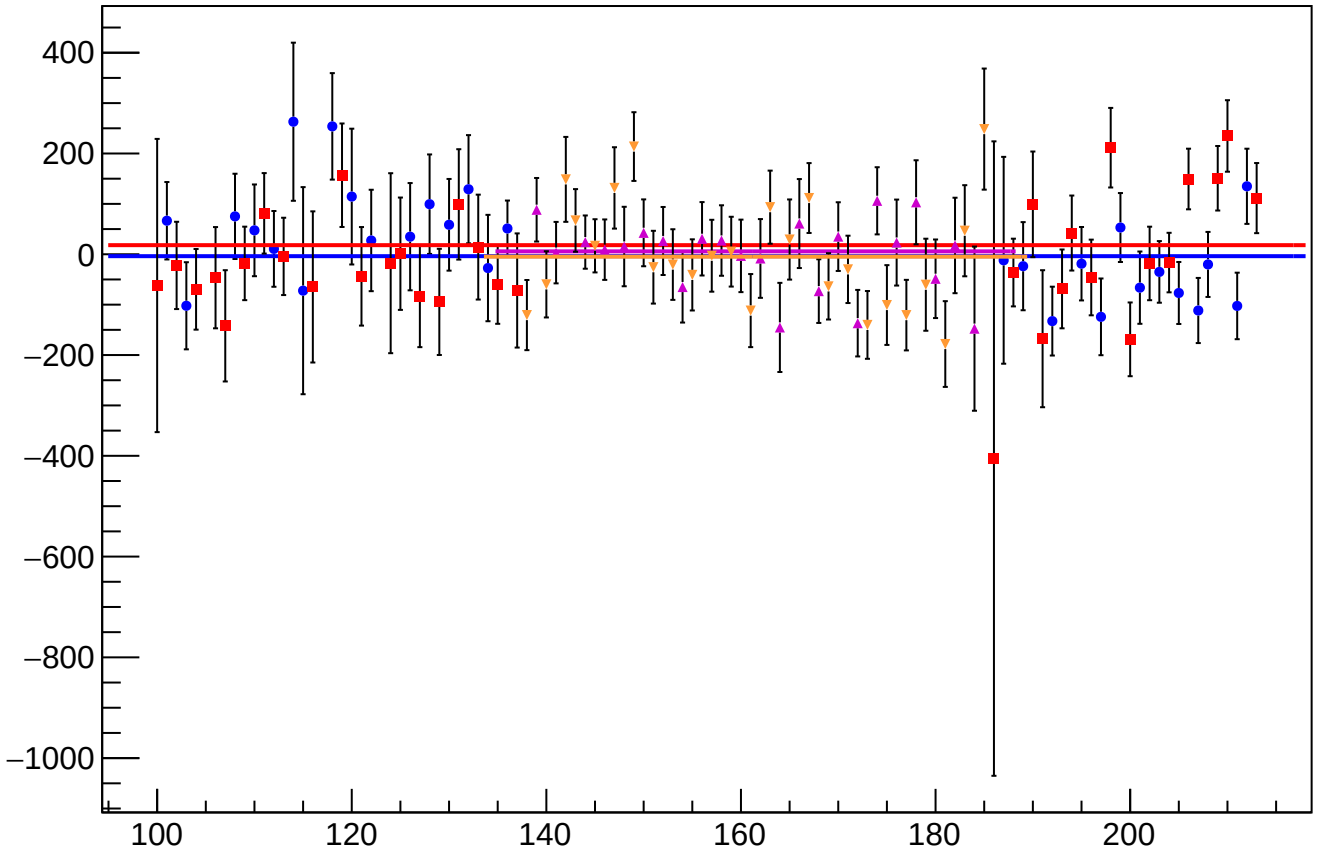
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 356.958+/-0.044 χ^2/NDF: 5491198.7/62

In: 360.088+/-0.044 χ^2/NDF:2826212.6/51

Out: 355.639+/-0.042 χ^2/NDF:3864100.0/58

All: 357.772+/-0.030 χ^2/NDF: 6695727.2/110



Right In: -3.777+/-15.043 χ^2/NDF: 35.2/28

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

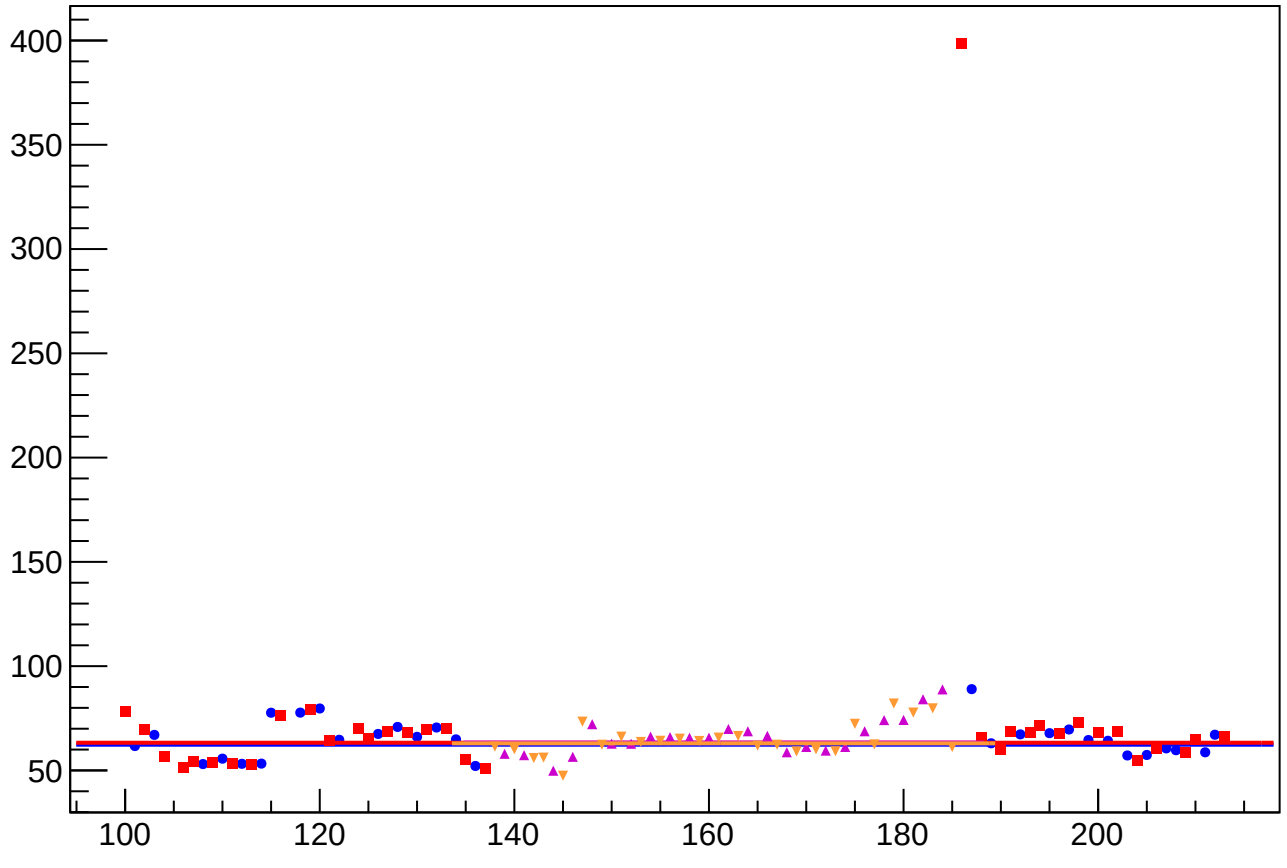
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 7.365+/-10.531 χ^2/NDF: 87.2/62

In: 1.035+/-10.597 χ^2/NDF:53.7/51

Out: 6.415+/-10.315 χ^2/NDF:99.4/58

All: 3.798+/-7.392 χ^2/NDF: 153.3/110



Right In: 62.330+/-0.011 χ^2/NDF: 392666.7/28

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

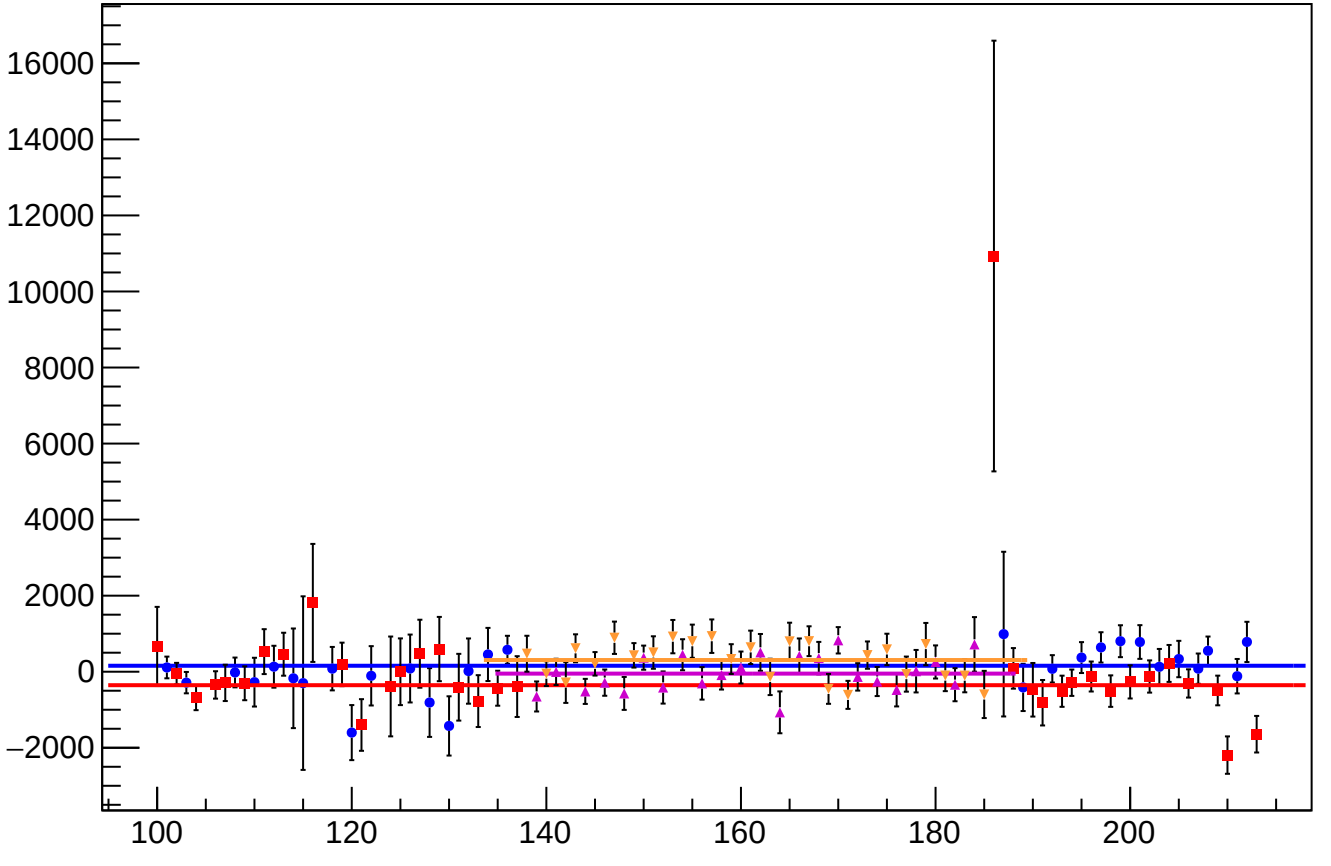
Right: 62.813+/-0.007 χ^2/NDF: 1430109.3/62

In: 62.852+/-0.007 χ^2/NDF:894363.4/51

Out: 63.124+/-0.007 χ^2/NDF:1560683.5/58

All: 62.991+/-0.005 χ^2/NDF: 2455723.7/110

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 156.891+/-89.847 χ^2/NDF: 26.3/28

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

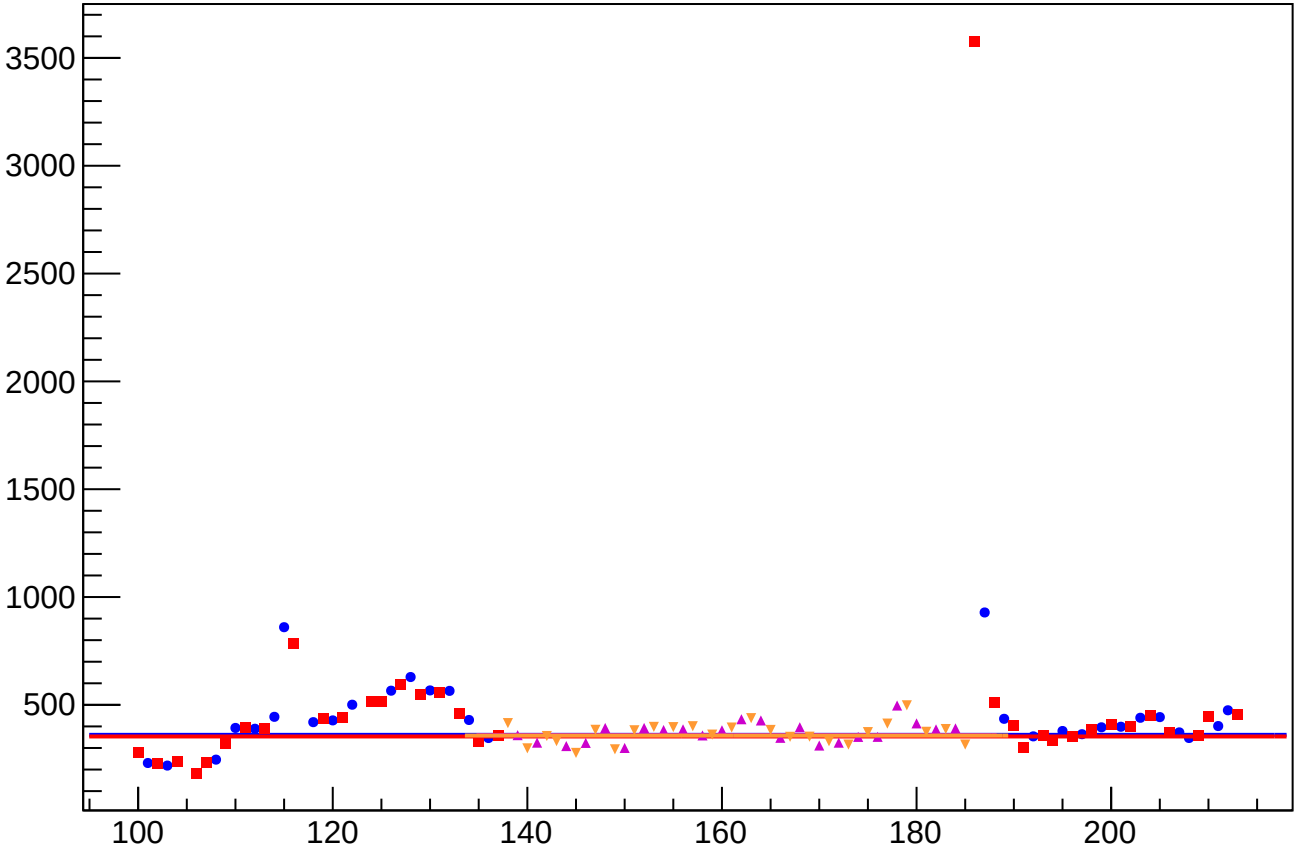
Right: -112.358+/-61.813 χ^2/NDF: 87.7/62

In: 47.503+/-61.684 χ^2/NDF:56.3/51

Out: -12.472+/-59.208 χ^2/NDF:106.1/58

All: 16.287+/-42.715 χ^2/NDF: 163.0/110

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 360.915+/-0.064 χ^2/NDF: 2306128.9/28

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

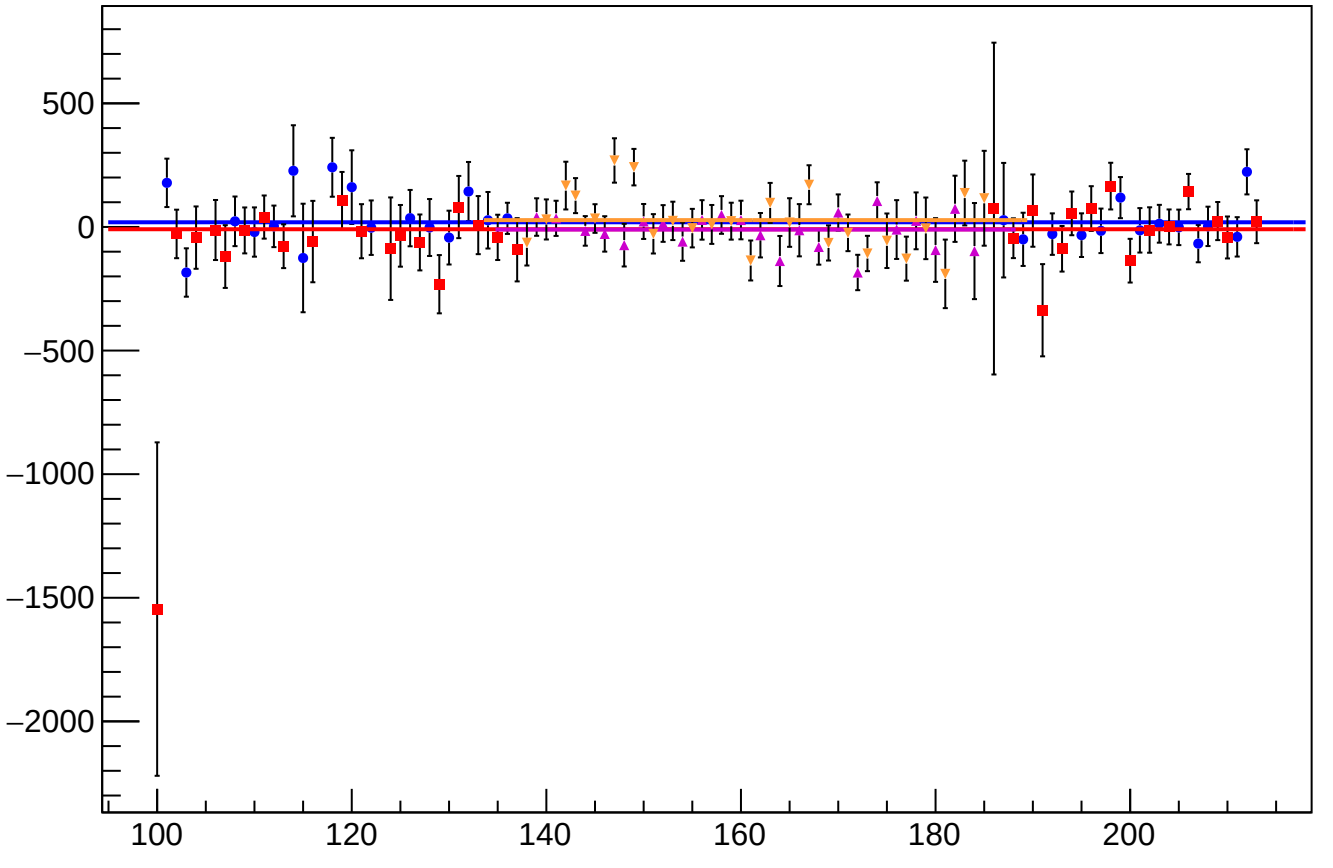
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 356.958+/-0.044 χ^2/NDF: 5491198.7/62

In: 360.088+/-0.044 χ^2/NDF:2826212.6/51

Out: 355.639+/-0.042 χ^2/NDF:3864100.0/58

All: 357.772+/-0.030 χ^2/NDF: 6695727.2/110



Right In: 18.955+/-17.747 χ^2/NDF: 24.6/28

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

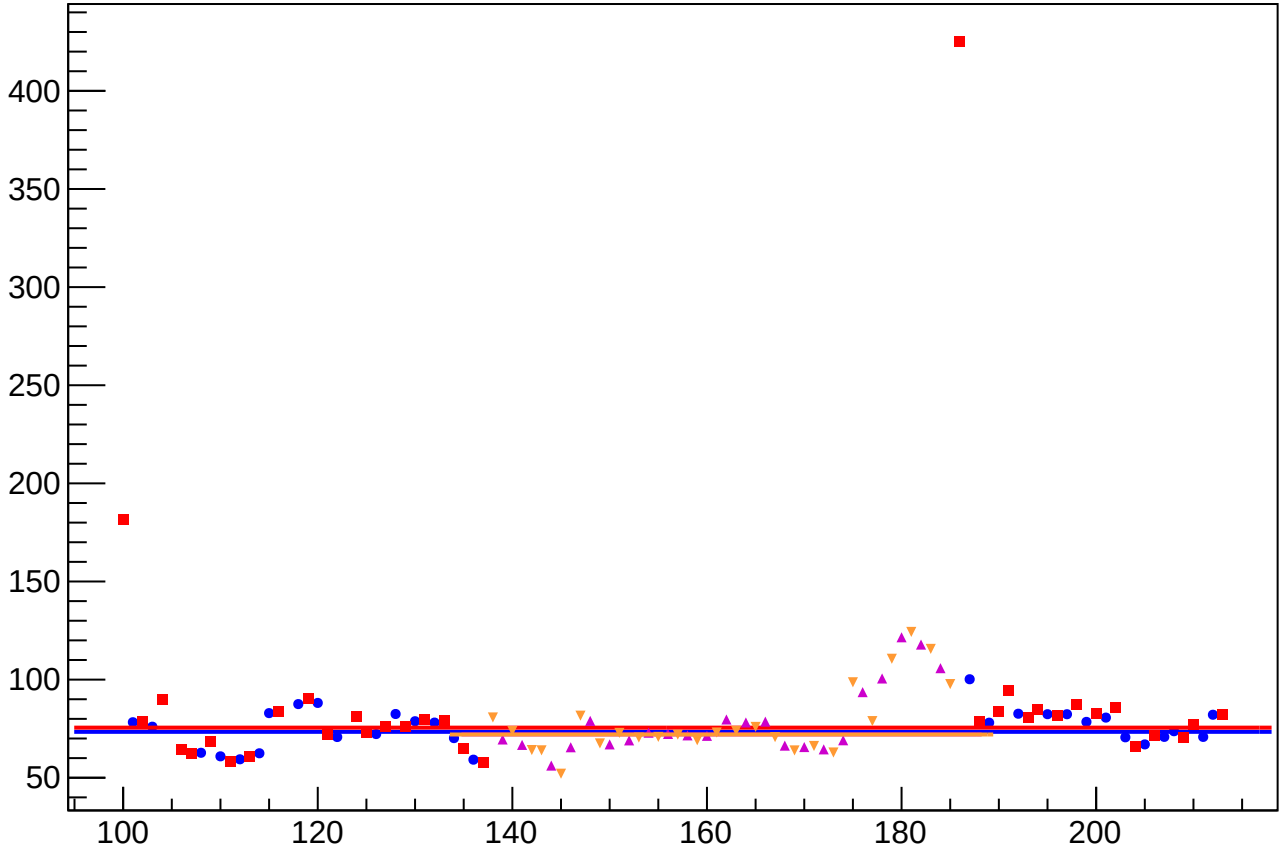
Right: 4.785+/-12.510 χ^2/NDF: 55.2/62

In: 3.777+/-12.360 χ^2/NDF:42.1/51

Out: 10.168+/-12.143 χ^2/NDF:73.9/58

All: 7.029+/-8.662 χ^2/NDF: 116.2/110

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 73.393+/-0.013 χ^2/NDF: 456062.9/28

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

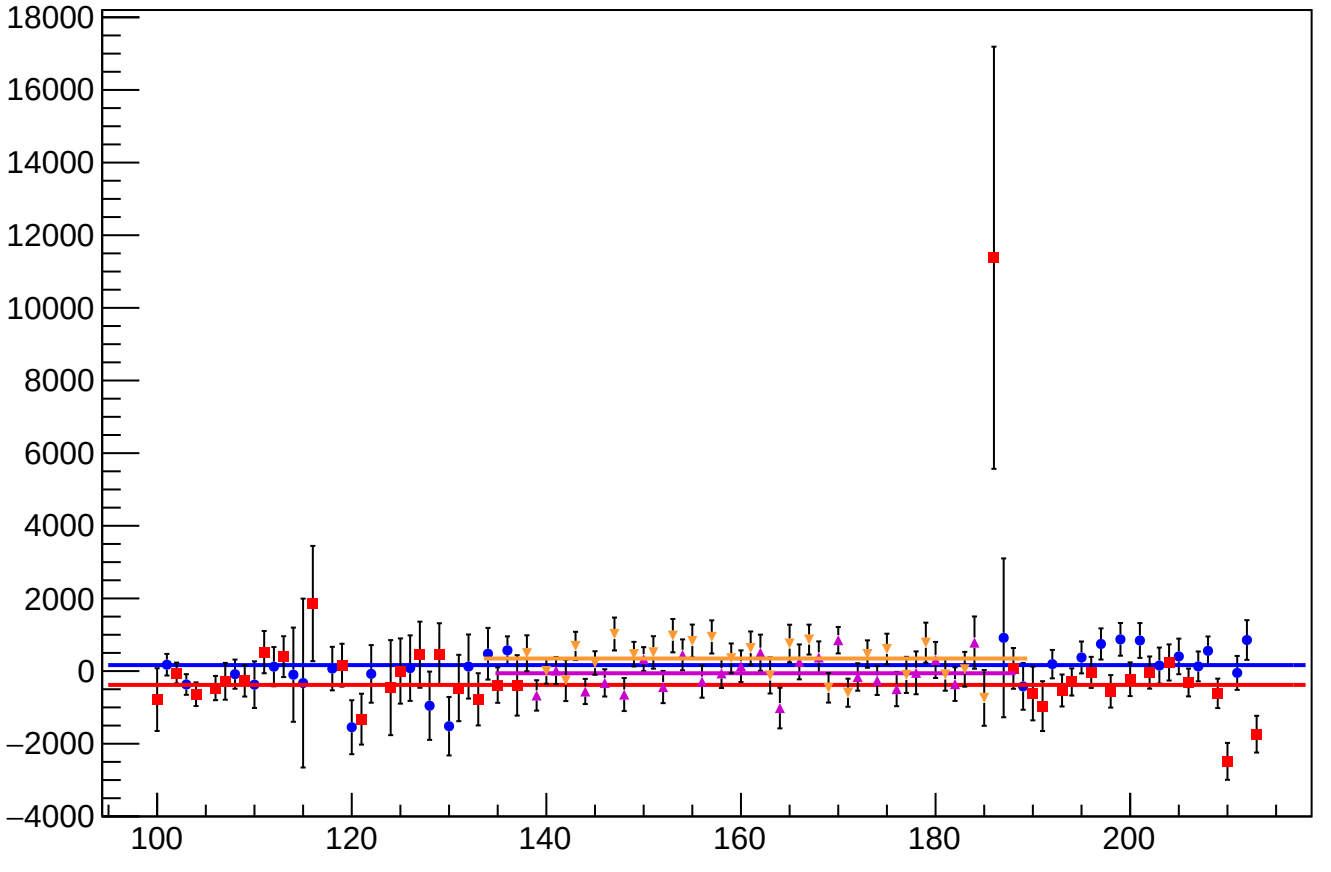
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 74.469+/-0.009 χ^2/NDF: 1587728.0/62

In: 72.723+/-0.009 χ^2/NDF:1520452.9/51

Out: 73.696+/-0.009 χ^2/NDF:2427744.4/58

All: 73.218+/-0.006 χ^2/NDF: 3954497.1/110



Right In: 164.757+/-93.604 χ^2/NDF: 27.8/28

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

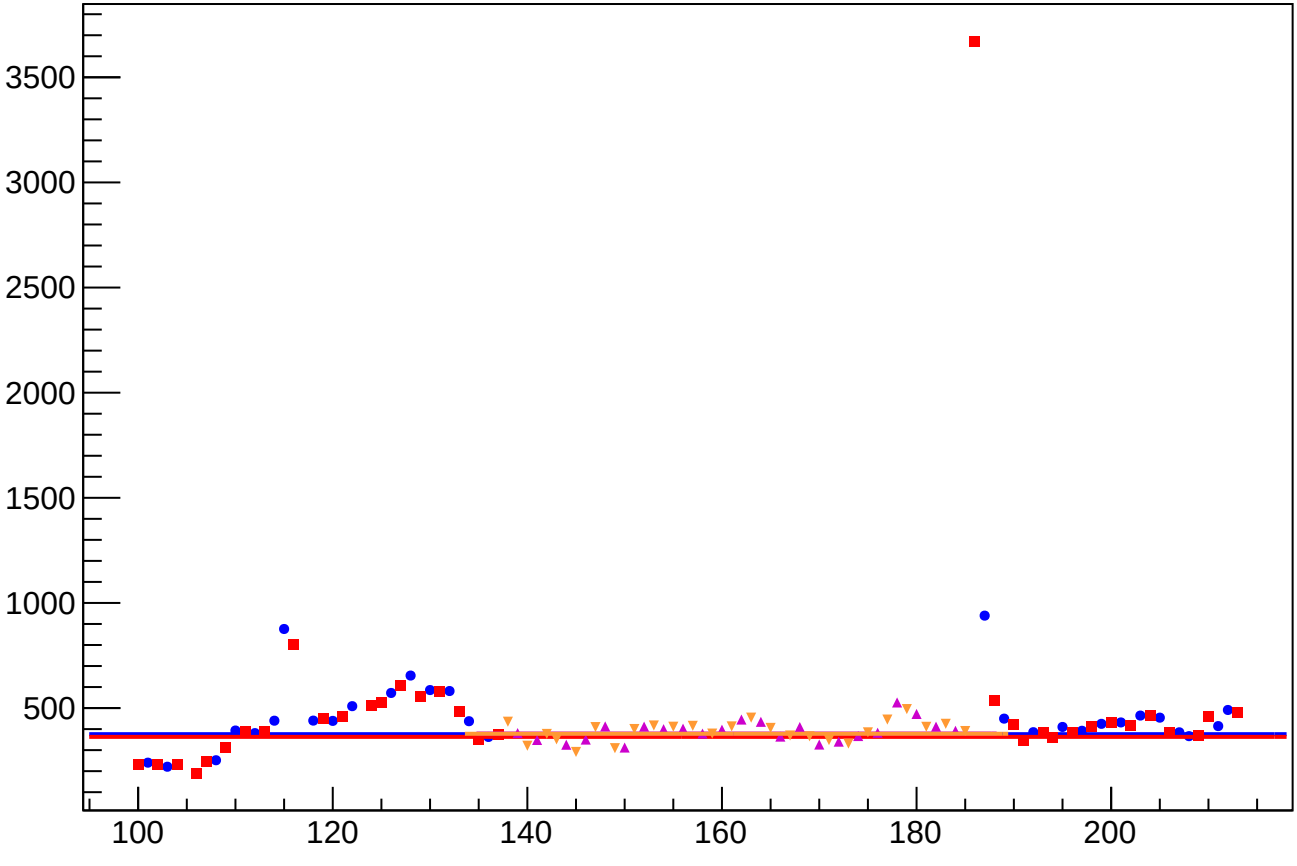
Right: -125.761+/-63.978 χ^2/NDF: 92.9/62

In: 47.281+/-64.655 χ^2/NDF:56.6/51

Out: -13.821+/-61.682 χ^2/NDF:110.7/58

All: 15.293+/-44.630 χ^2/NDF: 167.8/110

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 375.893+/-0.066 χ^2/NDF: 2371024.3/28

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

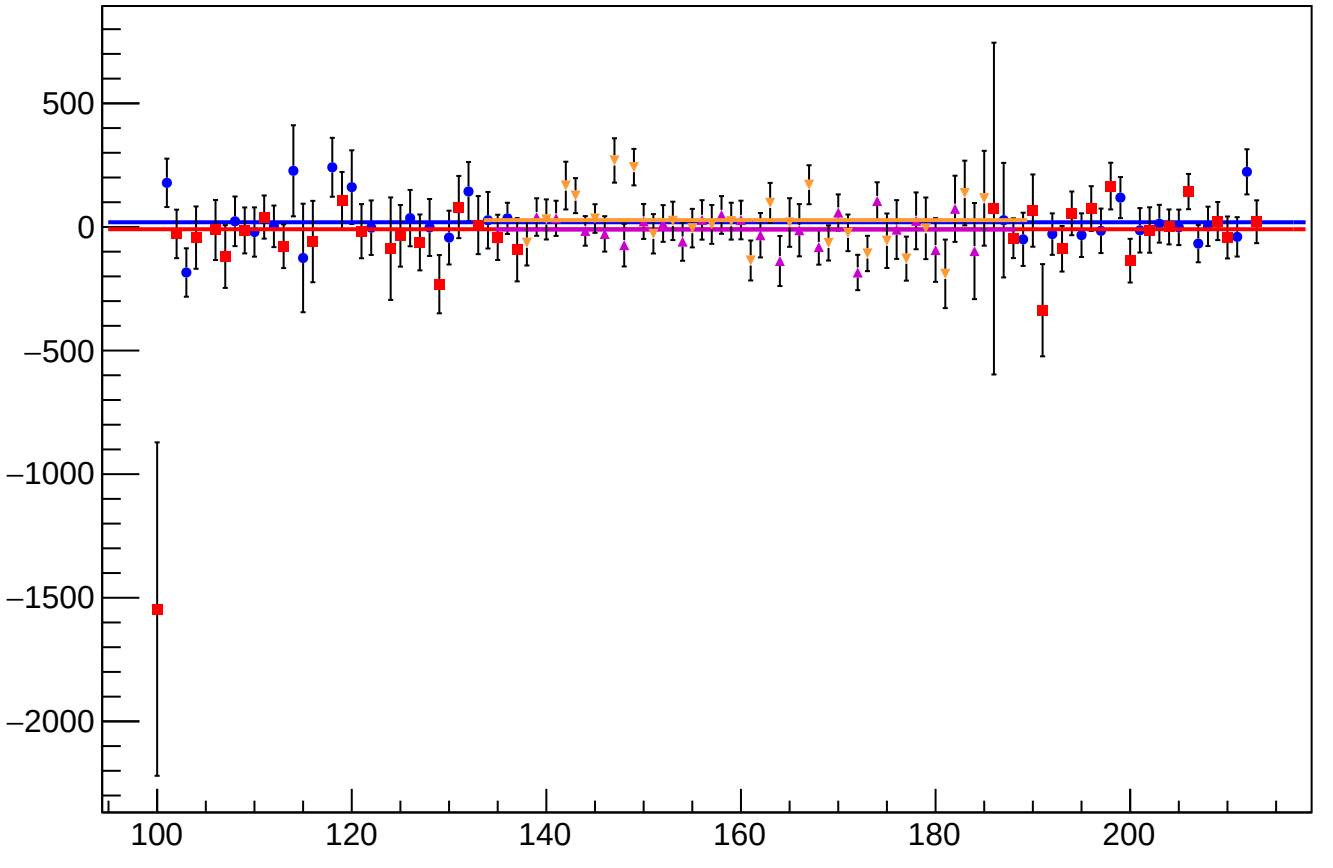
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 369.051+/-0.045 χ^2/NDF: 5851457.5/62

In: 377.449+/-0.046 χ^2/NDF:2899766.5/51

Out: 370.494+/-0.044 χ^2/NDF:4125661.0/58

All: 373.808+/-0.032 χ^2/NDF: 7037546.2/110



Right In: 18.955+/-17.747 χ^2/NDF: 24.6/28

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

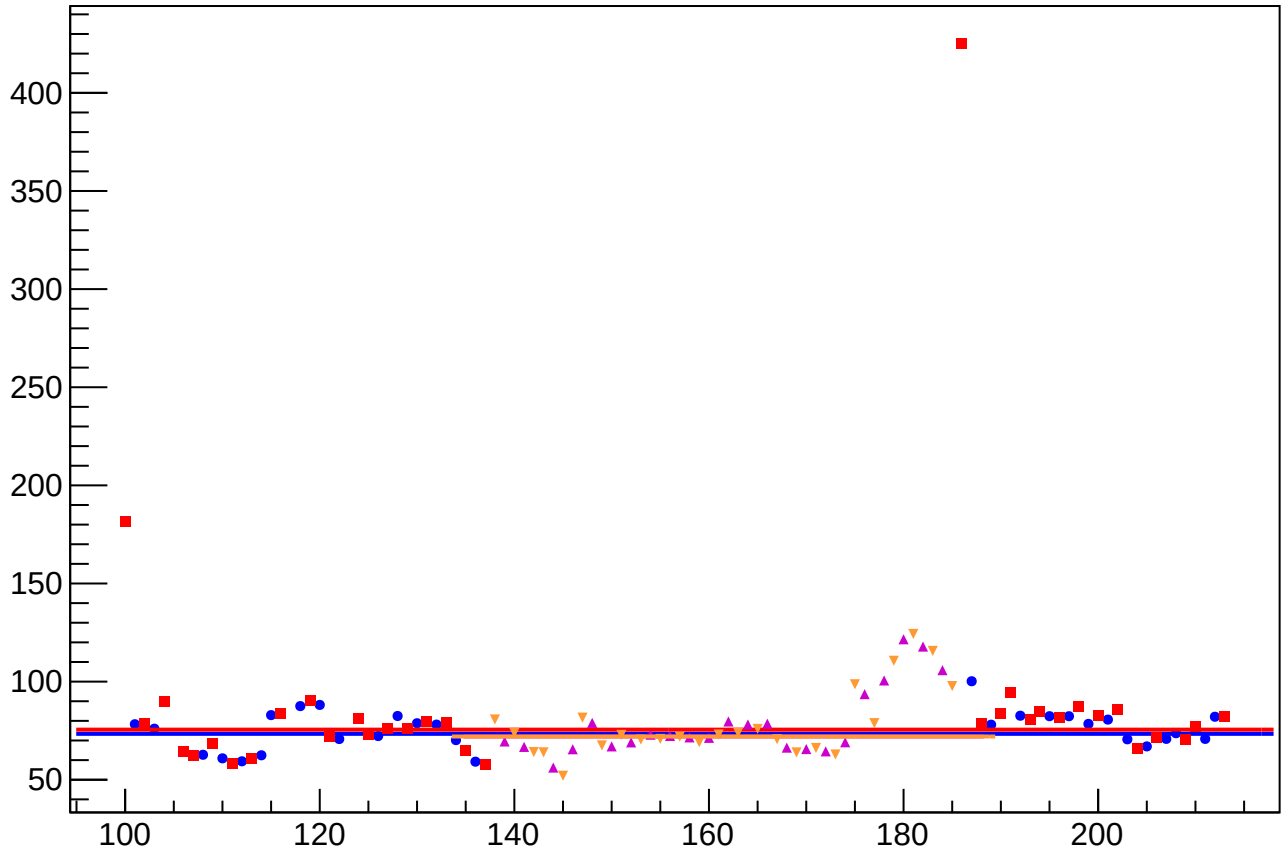
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 4.786+/-12.510 χ^2/NDF: 55.2/62

In: 3.777+/-12.360 χ^2/NDF:42.1/51

Out: 10.167+/-12.143 χ^2/NDF:73.9/58

All: 7.029+/-8.662 χ^2/NDF: 116.2/110



Right In: 73.393+/-0.013 χ^2/NDF: 456058.5/28

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

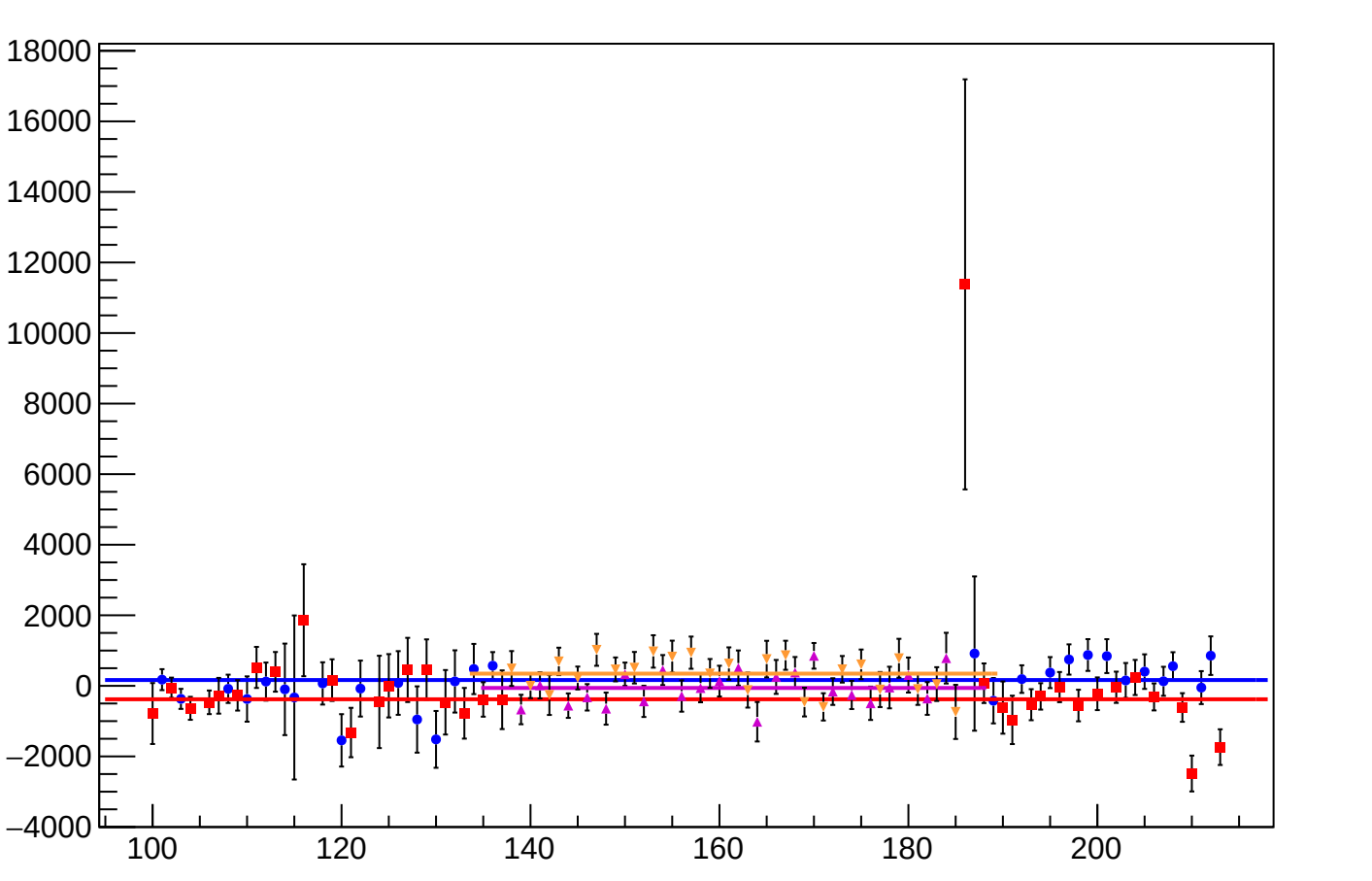
Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

Right: 74.469+/-0.009 χ^2/NDF: 1587720.8/62

In: 72.723+/-0.009 χ^2/NDF:1520439.0/51

Out: 73.695+/-0.009 χ^2/NDF:2427748.8/58

All: 73.218+/-0.006 χ^2/NDF: 3954487.2/110



Right In: 164.757+/-93.604 χ^2/NDF: 27.8/28

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -380.470+/-87.645 χ^2/NDF: 47.1/33

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

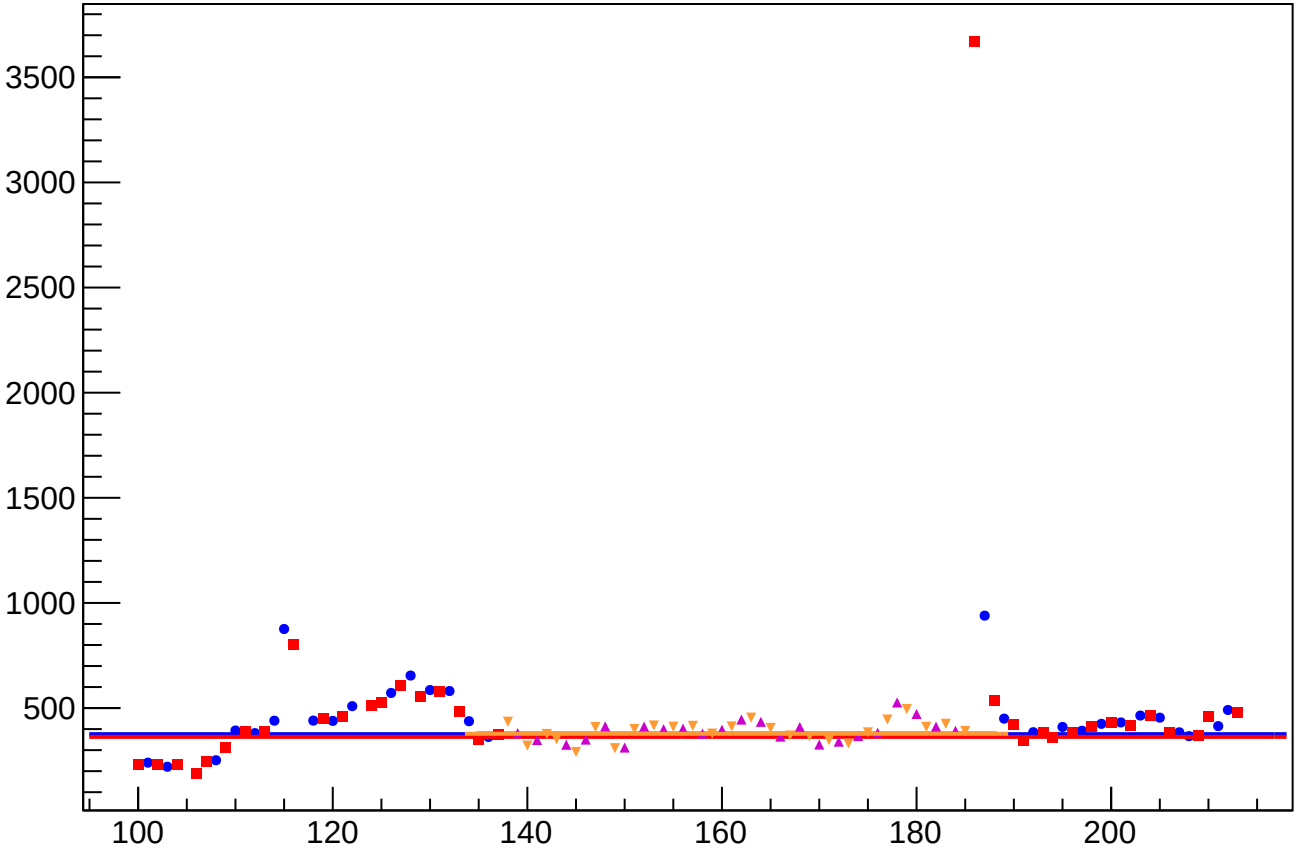
Right: -125.762+/-63.978 χ^2/NDF: 92.9/62

In: 47.280+/-64.655 χ^2/NDF:56.6/51

Out: -13.822+/-61.682 χ^2/NDF:110.7/58

All: 15.292+/-44.630 χ^2/NDF: 167.8/110

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 375.893+/-0.066 χ^2/NDF: 2371013.6/28

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

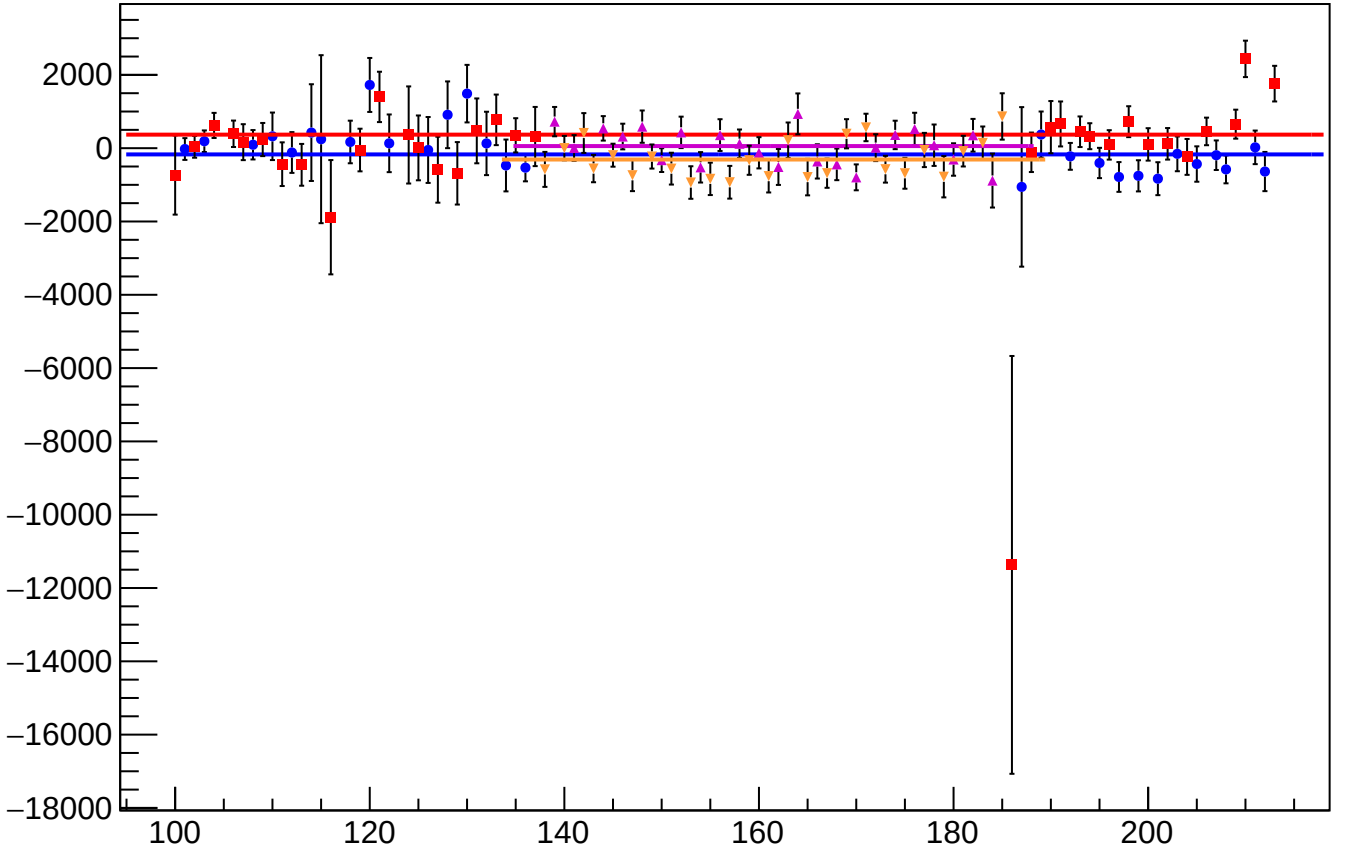
Right: 369.051+/-0.045 χ^2/NDF: 5851432.2/62

In: 377.449+/-0.046 χ^2/NDF:2899751.3/51

Out: 370.493+/-0.044 χ^2/NDF:4125644.9/58

All: 373.808+/-0.032 χ^2/NDF: 7037515.4/110

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -169.959+/-91.612 χ^2/NDF: 27.2/28

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

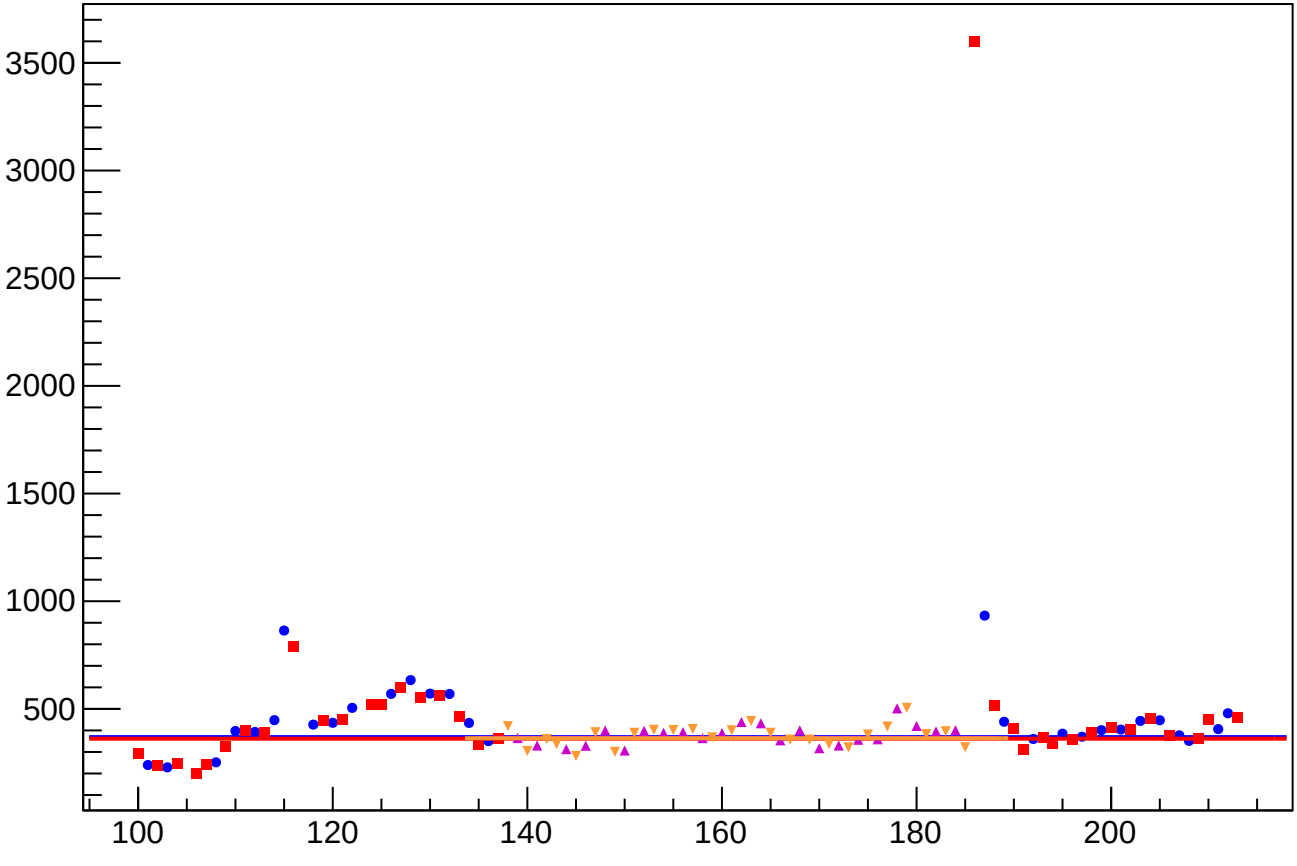
Right: 114.423+/-62.992 χ^2/NDF: 95.5/62

In: -49.322+/-62.788 χ^2/NDF:58.5/51

Out: 17.920+/-60.238 χ^2/NDF:111.6/58

All: -14.308+/-43.468 χ^2/NDF: 170.7/110

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 368.985+/-0.065 χ^2/NDF: 2136230.8/28

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

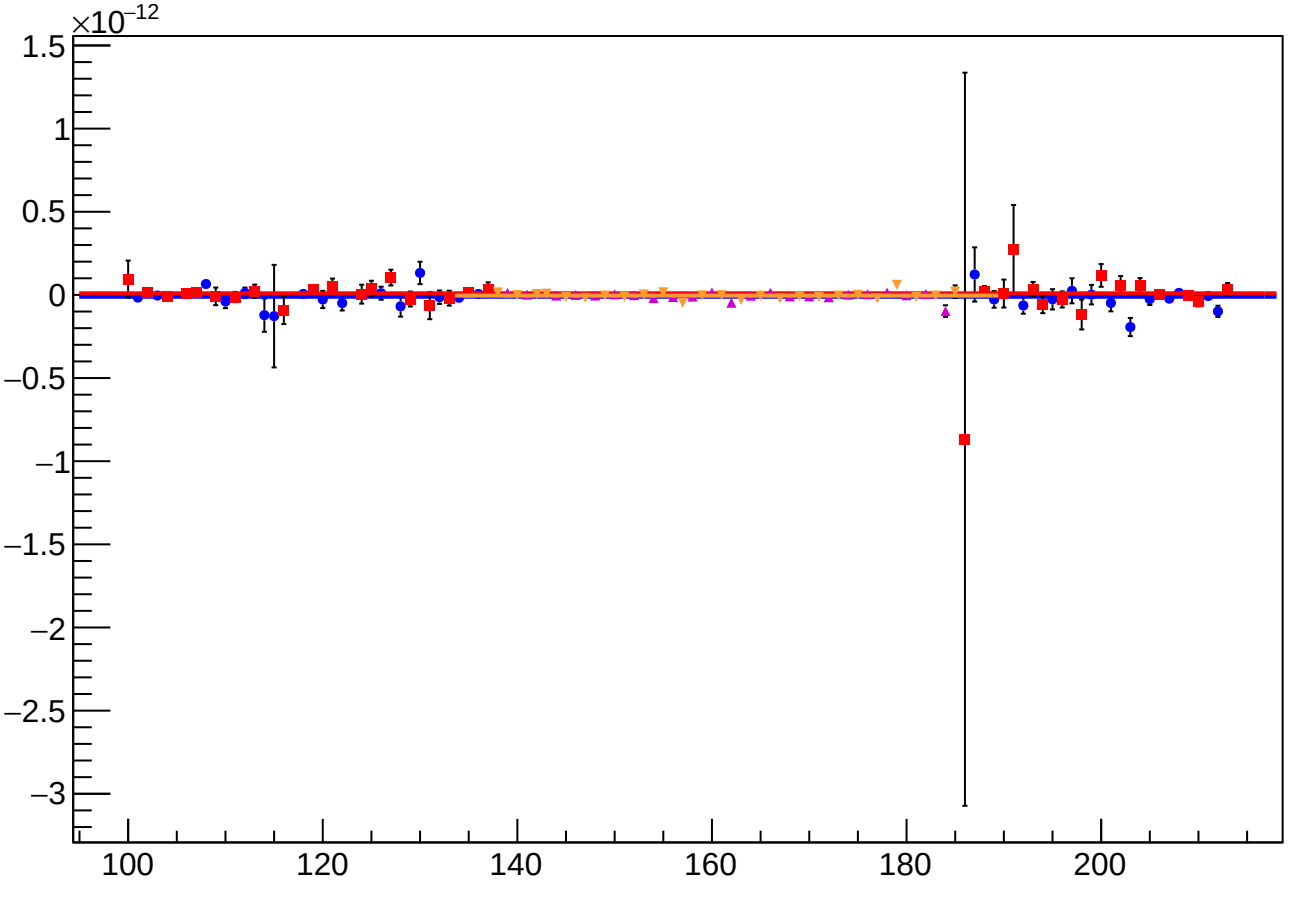
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 365.144+/-0.045 χ^2/NDF: 5107293.5/62

In: 367.044+/-0.044 χ^2/NDF:2647420.9/51

Out: 362.742+/-0.043 χ^2/NDF:3634195.9/58

All: 364.804+/-0.031 χ^2/NDF: 6286504.5/110



Right In: -0.000+/-0.000 χ^2/NDF: 39.1/28

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

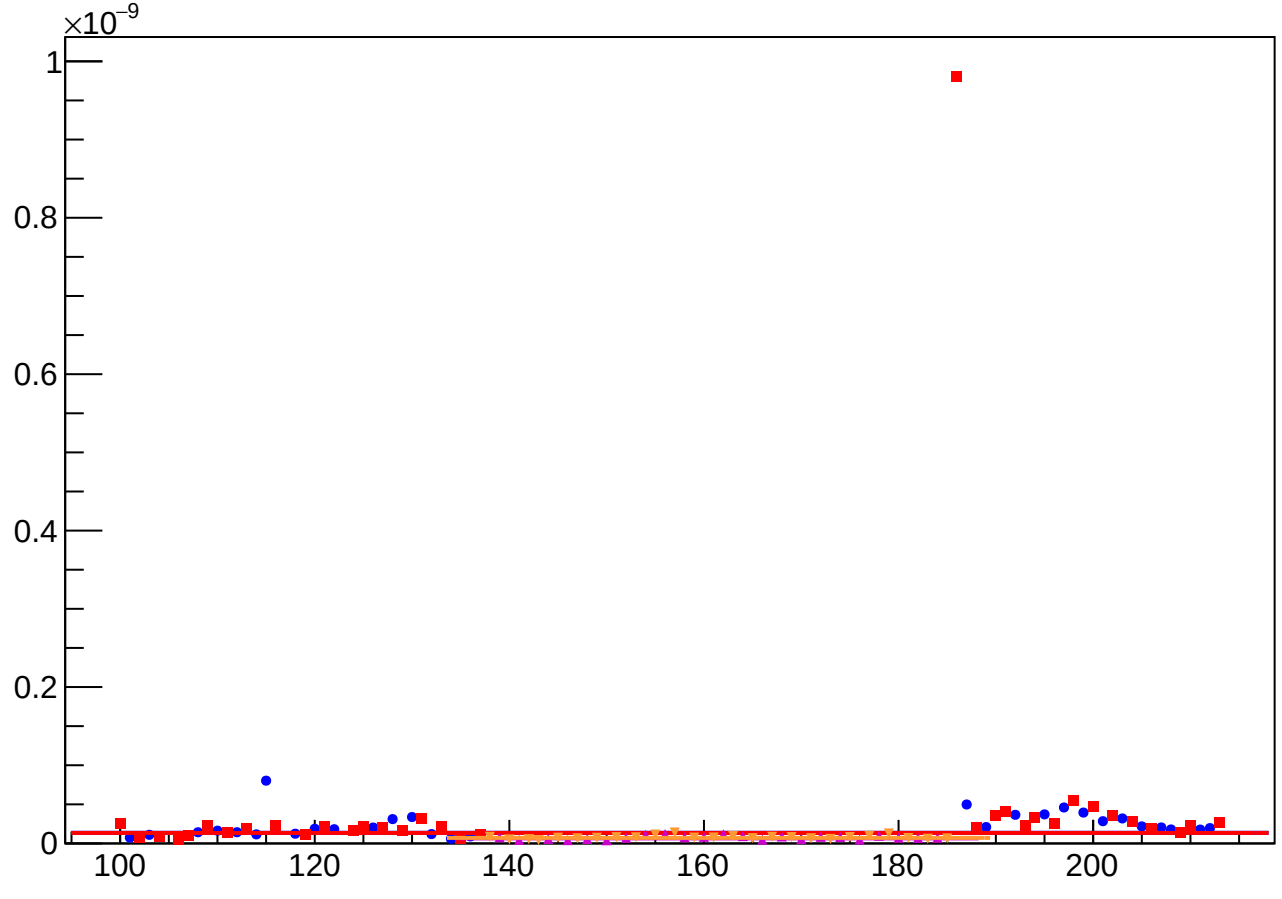
Right: -0.000+/-0.000 χ^2/NDF: 71.7/62

In: -0.000+/-0.000 χ^2/NDF:63.4/51

Out: -0.000+/-0.000 χ^2/NDF:52.7/58

All: -0.000+/-0.000 χ^2/NDF: 116.3/110

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4066714.8/28

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

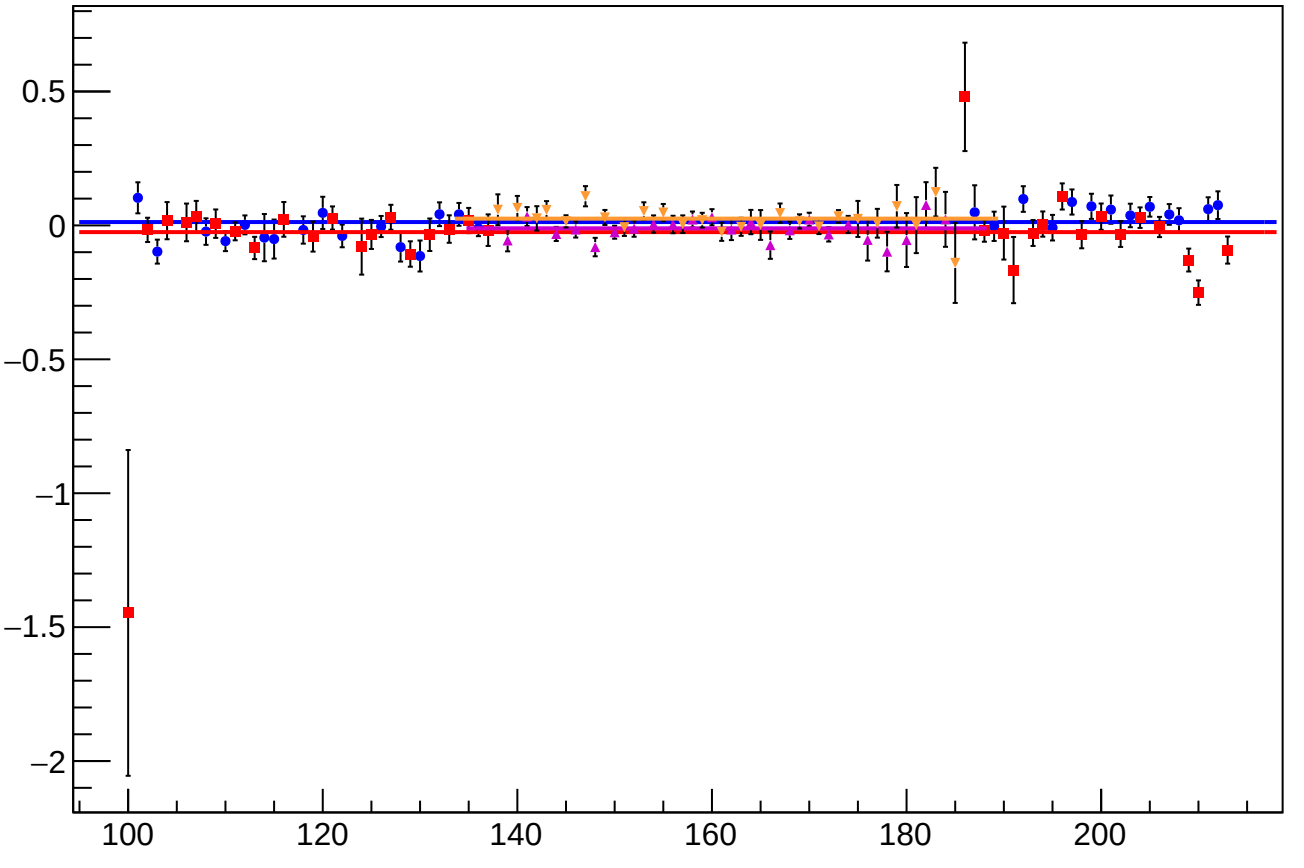
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9188354.2/62

In: 0.000+/-0.000 χ^2/NDF:7962132.8/51

Out: 0.000+/-0.000 χ^2/NDF:8126904.7/58

All: 0.000+/-0.000 χ^2/NDF: 16146082.8/110



Right In: 0.013+/-0.009 χ^2/NDF: 40.1/28

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

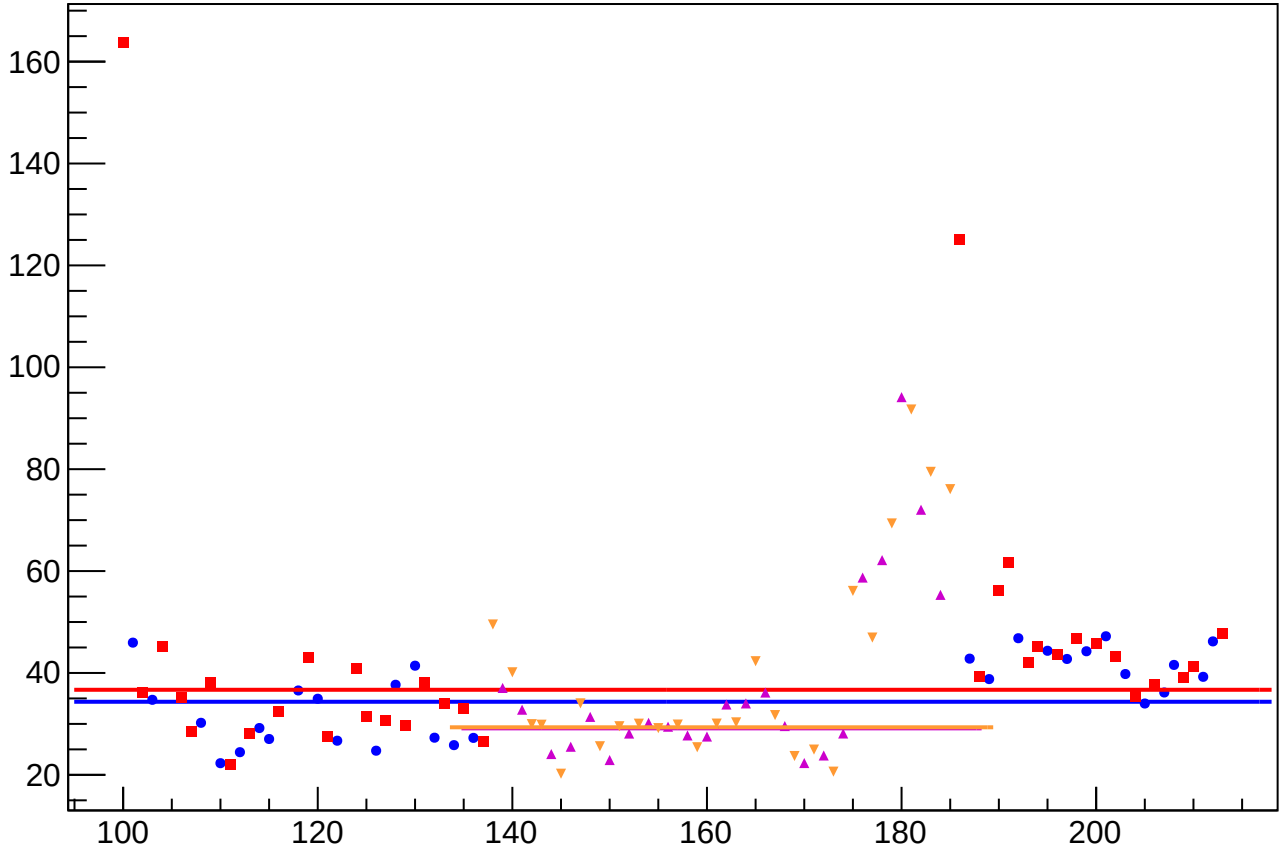
Right: -0.006+/-0.006 χ^2/NDF: 118.0/62

In: -0.001+/-0.006 χ^2/NDF:63.4/51

Out: 0.005+/-0.006 χ^2/NDF:105.7/58

All: 0.002+/-0.004 χ^2/NDF: 169.7/110

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.346+/-0.006 χ^2/NDF: 1699555.6/28

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

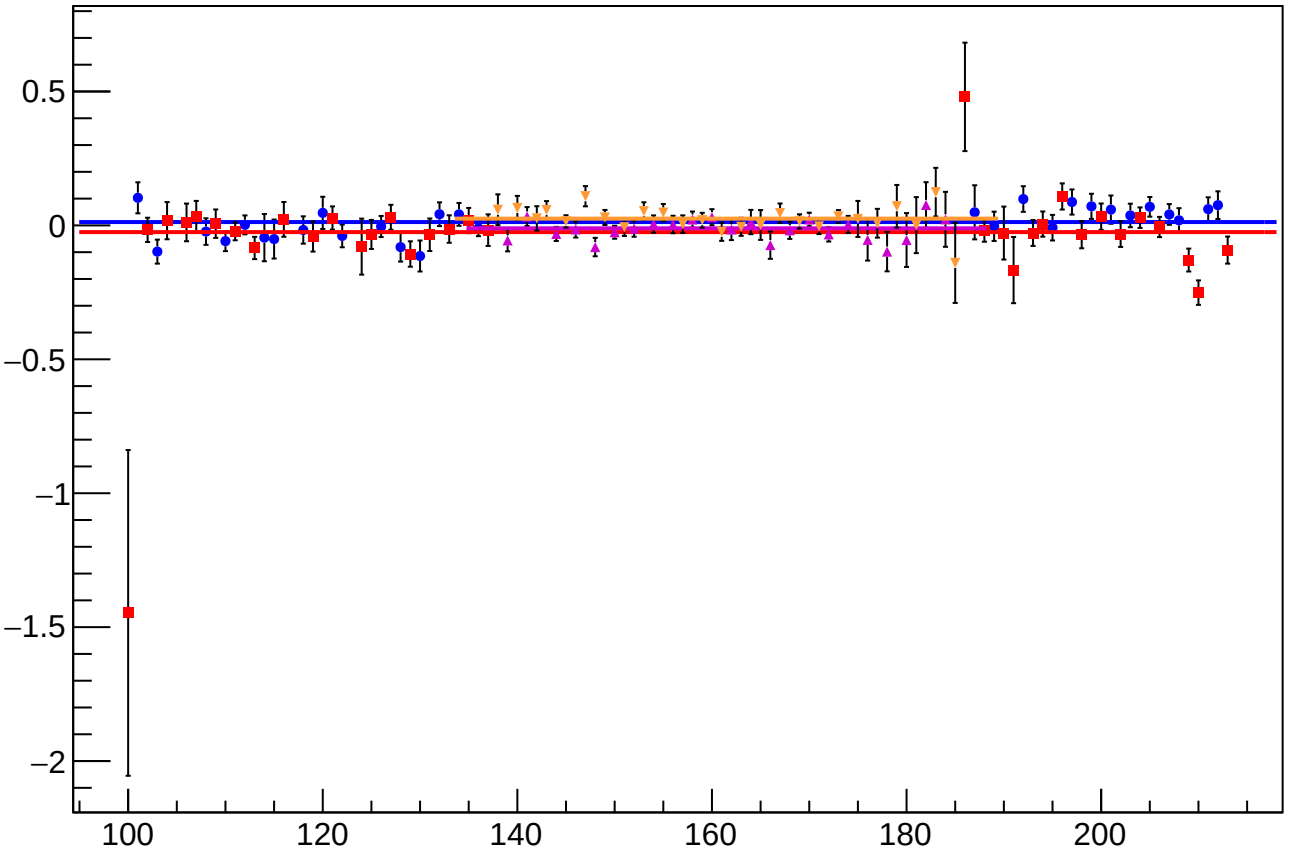
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.491+/-0.004 χ^2/NDF: 3689475.4/62

In: 31.322+/-0.004 χ^2/NDF:4969729.4/51

Out: 32.283+/-0.004 χ^2/NDF:6633721.1/58

All: 31.802+/-0.003 χ^2/NDF: 11633350.4/110



Right In: 0.013+/-0.009 χ^2/NDF: 40.1/28

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

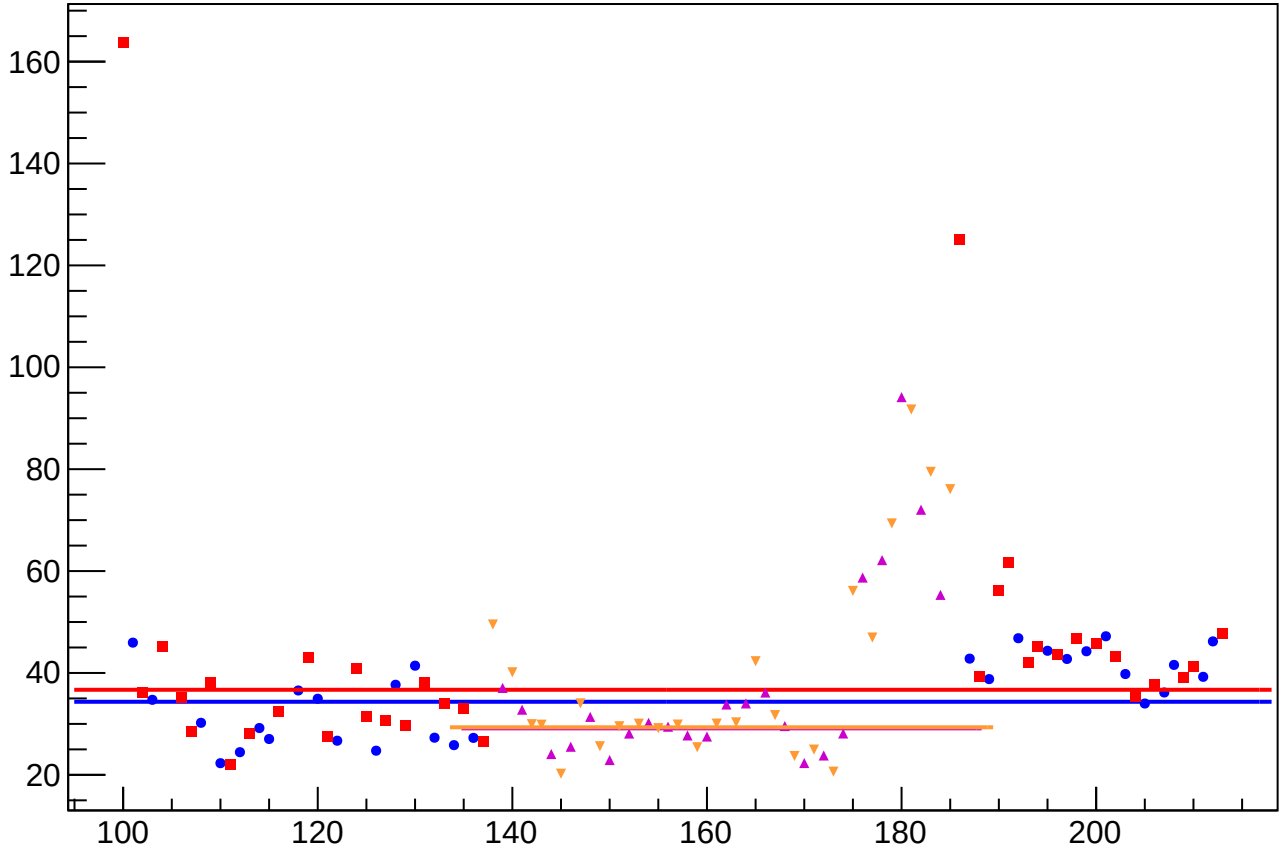
Right: -0.006+/-0.006 χ^2/NDF: 118.0/62

In: -0.001+/-0.006 χ^2/NDF:63.4/51

Out: 0.005+/-0.006 χ^2/NDF:105.7/58

All: 0.002+/-0.004 χ^2/NDF: 169.7/110

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.346+/-0.006 χ^2/NDF: 1699555.6/28

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

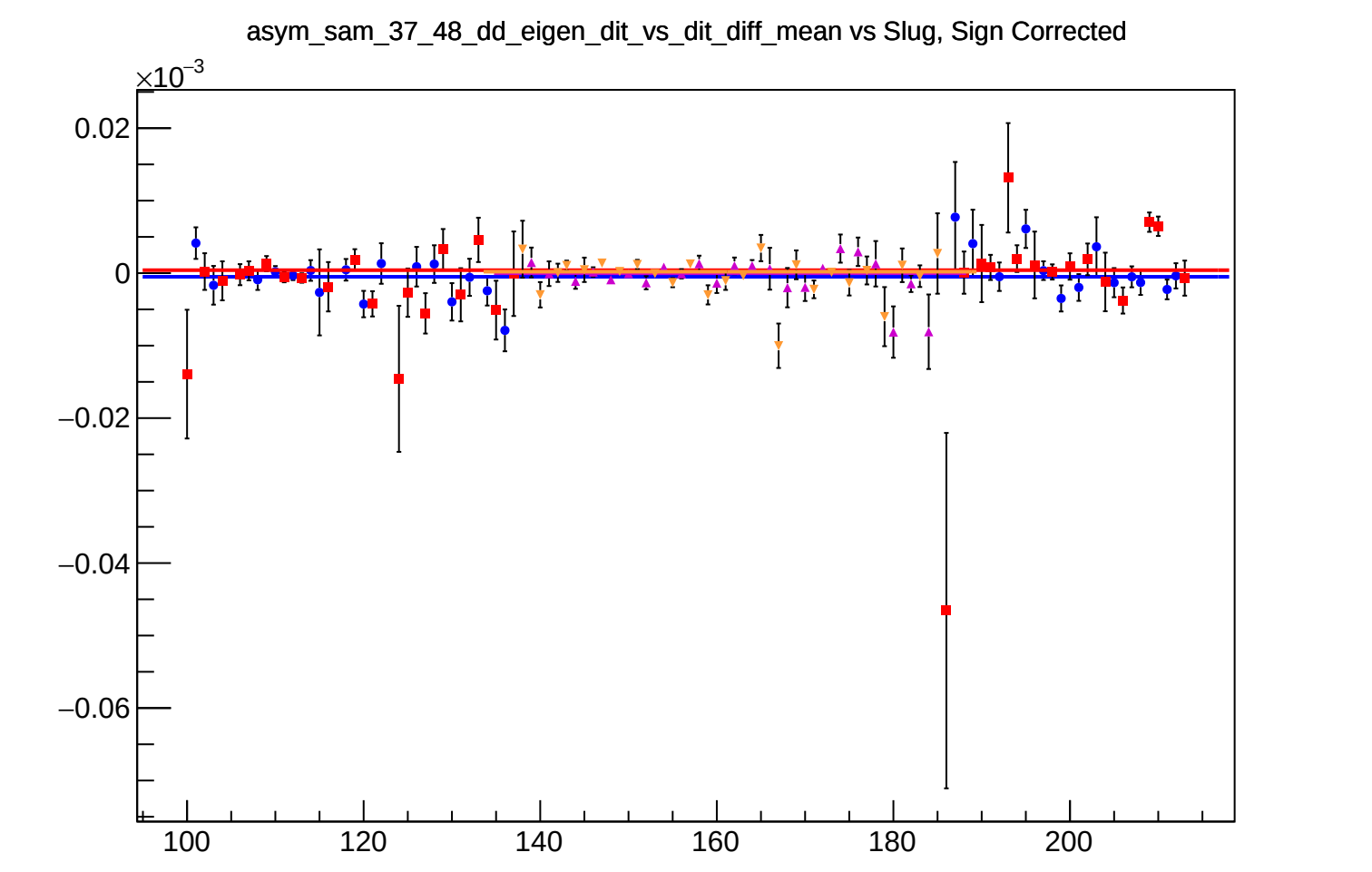
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.491+/-0.004 χ^2/NDF: 3689475.4/62

In: 31.322+/-0.004 χ^2/NDF:4969729.4/51

Out: 32.283+/-0.004 χ^2/NDF:6633721.1/58

All: 31.802+/-0.003 χ^2/NDF: 11633350.4/110



Right In: -0.000+/-0.000 χ^2/NDF: 36.6/28

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

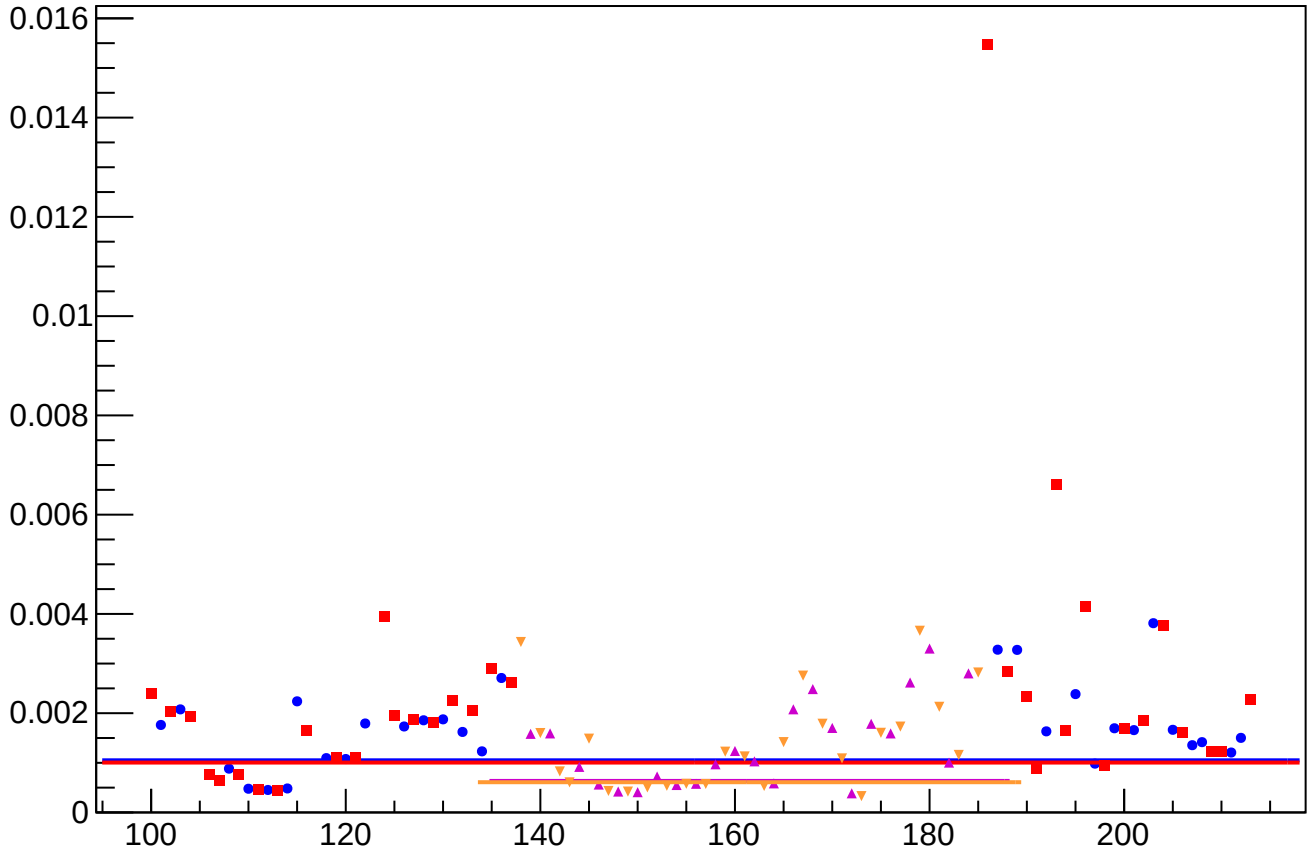
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: -0.000+/-0.000 χ^2/NDF: 130.8/62

In: -0.000+/-0.000 χ^2/NDF:71.6/51

Out: 0.000+/-0.000 χ^2/NDF:142.4/58

All: 0.000+/-0.000 χ^2/NDF: 217.2/110



Right In: 0.001+/-0.000 χ^2/NDF: 8436137.8/28

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

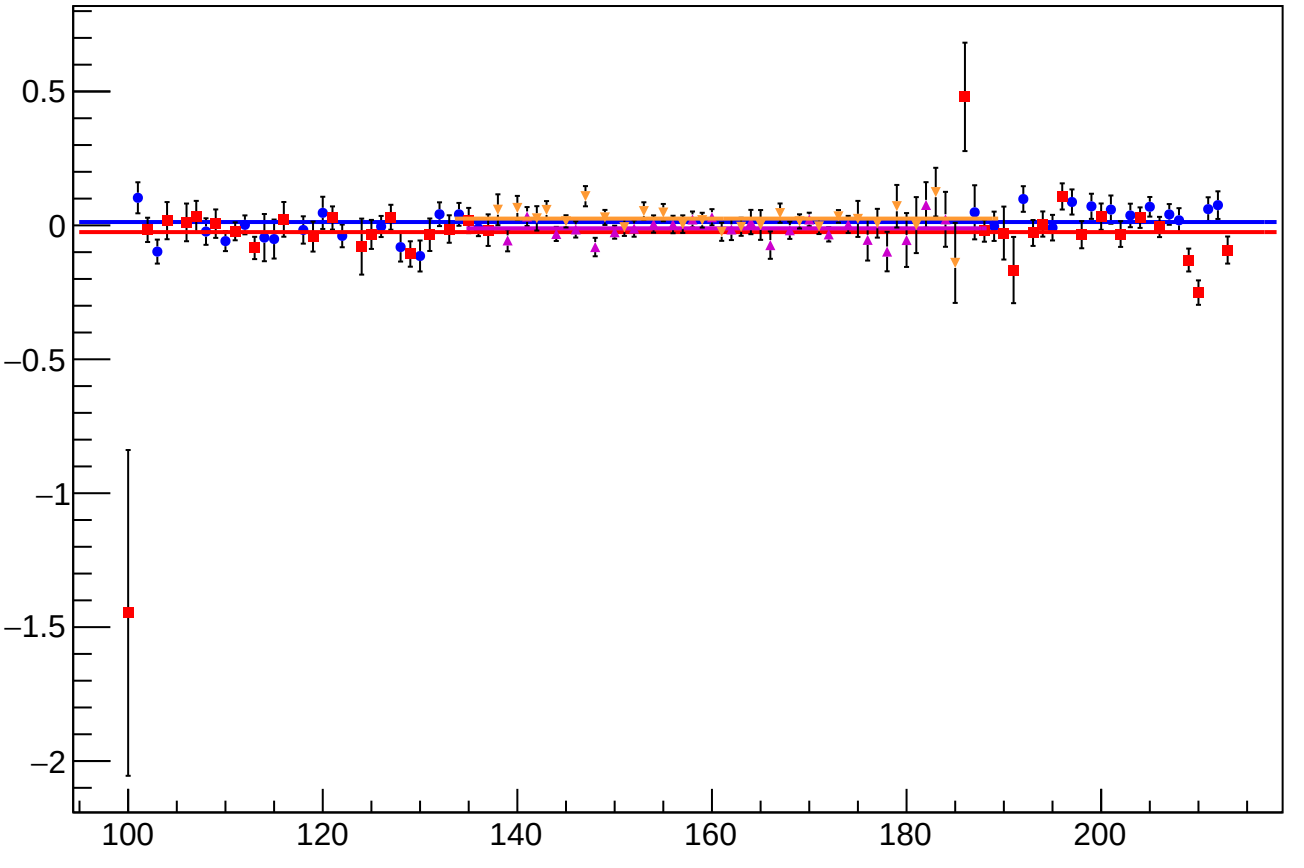
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 20238711.6/62

In: 0.001+/-0.000 χ^2/NDF:20592373.9/51

Out: 0.001+/-0.000 χ^2/NDF:25579421.2/58

All: 0.001+/-0.000 χ^2/NDF: 46223968.1/110



Right In: 0.013+/-0.009 χ^2/NDF: 40.1/28

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

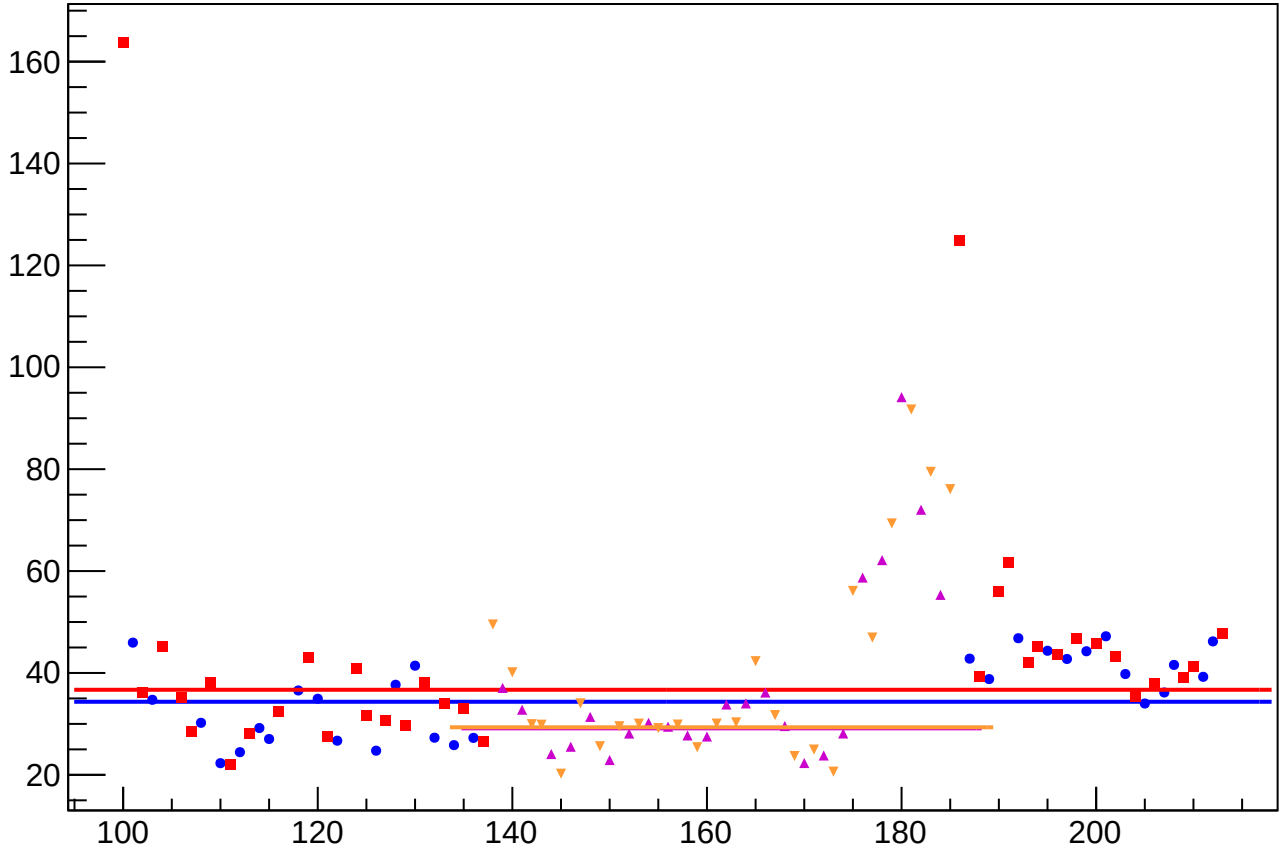
Right: -0.006+/-0.006 χ^2/NDF: 118.0/62

In: -0.001+/-0.006 χ^2/NDF:63.4/51

Out: 0.005+/-0.006 χ^2/NDF:105.7/58

All: 0.002+/-0.004 χ^2/NDF: 169.7/110

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.346+/-0.006 χ^2/NDF: 1699476.9/28

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

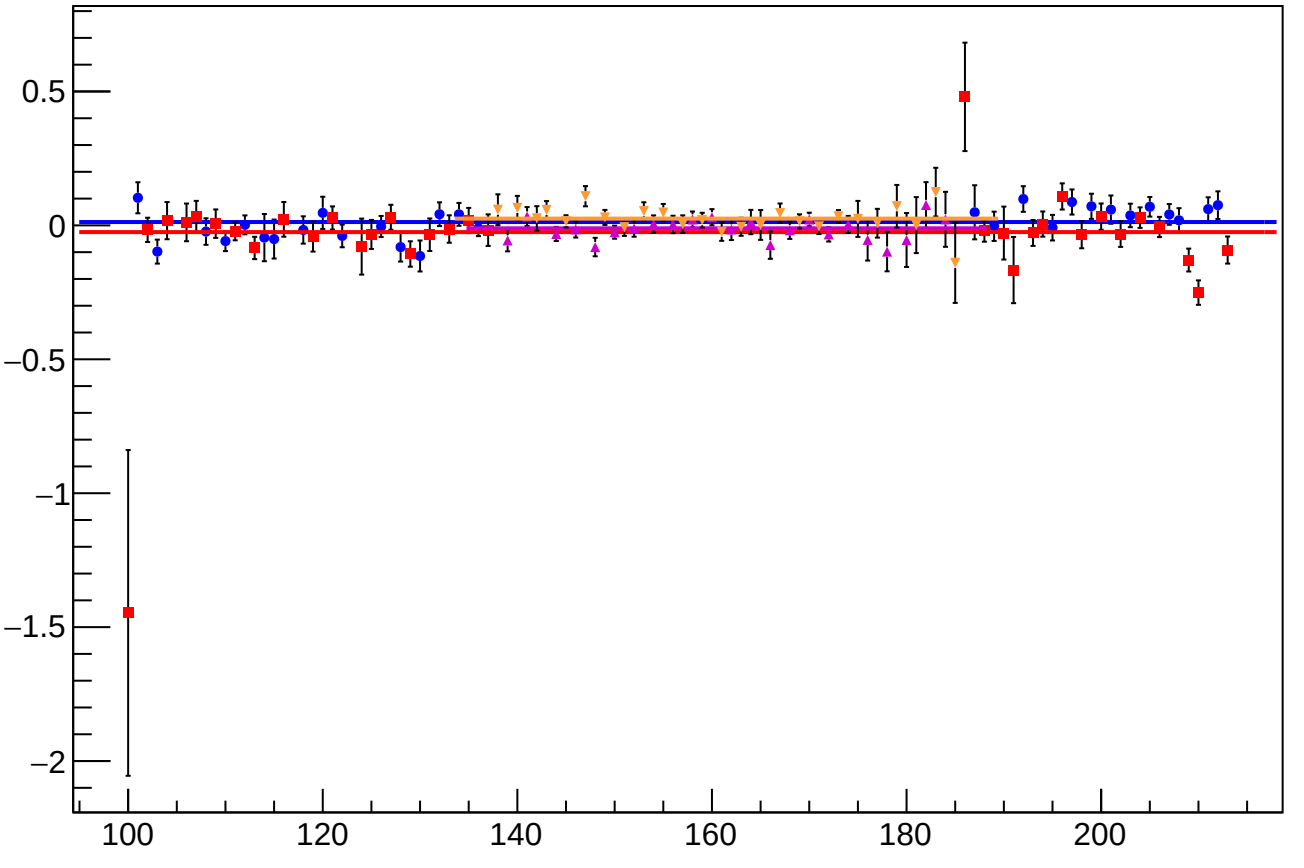
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.491+/-0.004 χ^2/NDF: 3689274.5/62

In: 31.322+/-0.004 χ^2/NDF:4969646.4/51

Out: 32.283+/-0.004 χ^2/NDF:6633721.4/58

All: 31.802+/-0.003 χ^2/NDF: 11633266.3/110



Right In: 0.013+/-0.009 χ^2/NDF: 40.1/28

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

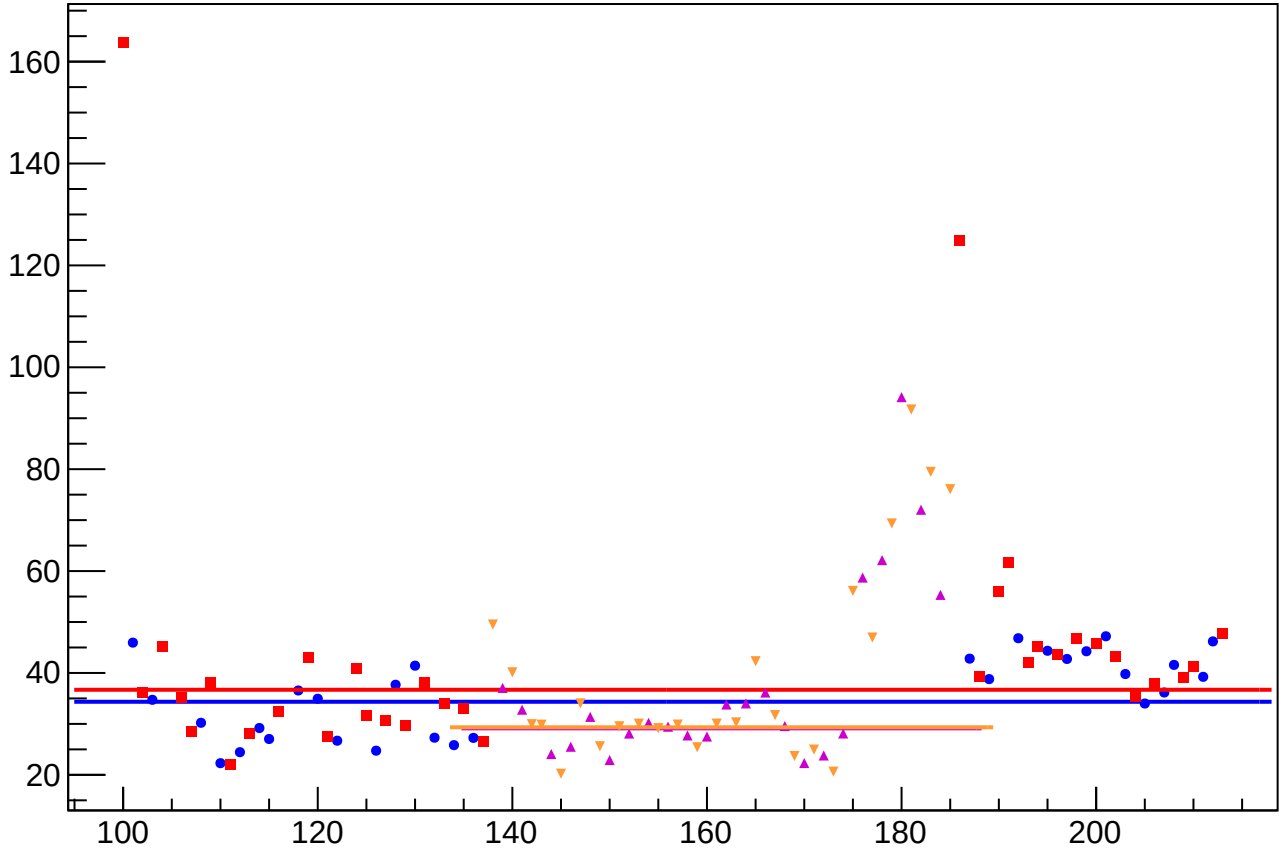
Right: -0.006+/-0.006 χ^2/NDF: 118.0/62

In: -0.001+/-0.006 χ^2/NDF:63.4/51

Out: 0.005+/-0.006 χ^2/NDF:105.7/58

All: 0.002+/-0.004 χ^2/NDF: 169.7/110

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.346+/-0.006 χ^2/NDF: 1699476.9/28

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

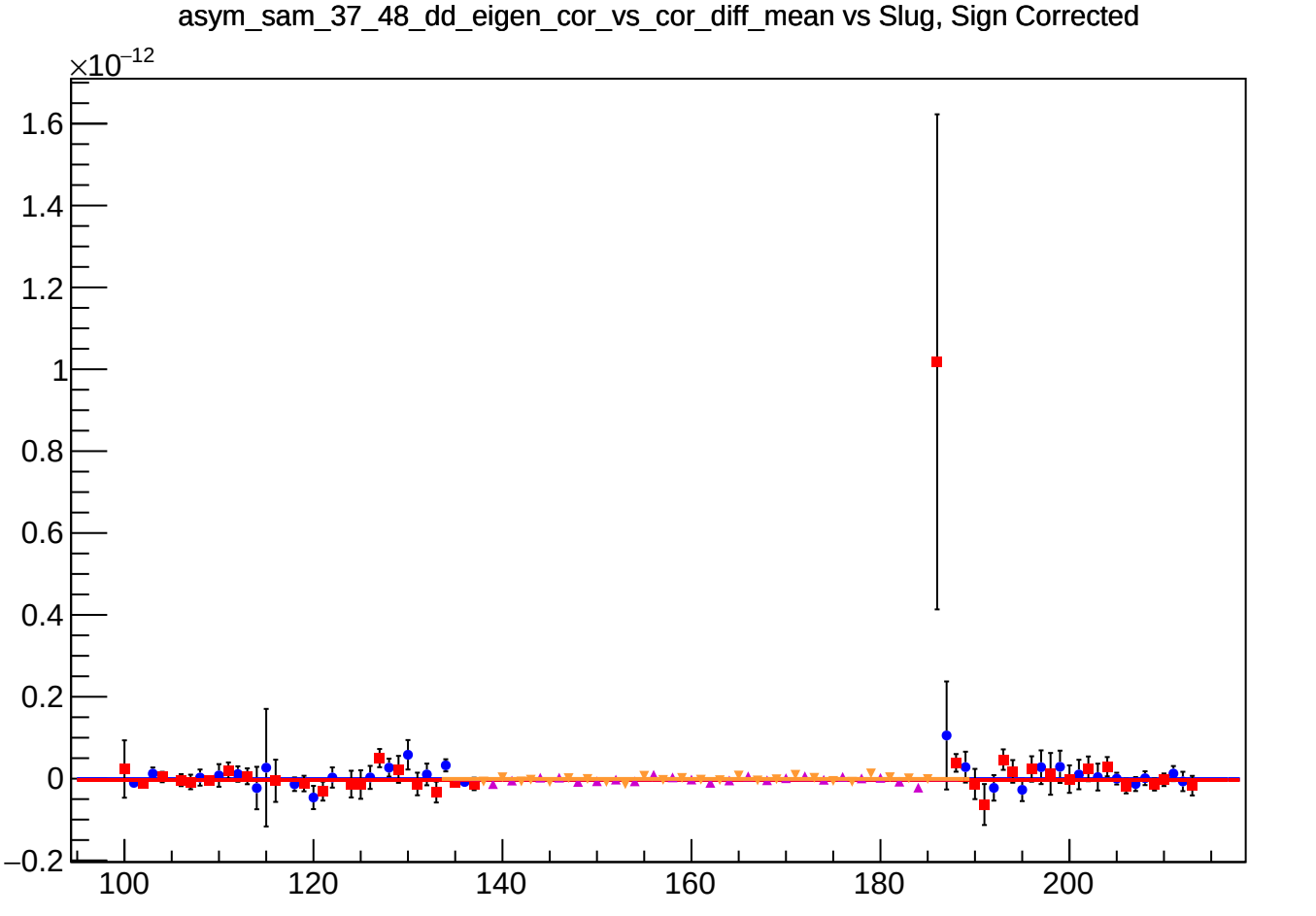
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.491+/-0.004 χ^2/NDF: 3689274.5/62

In: 31.322+/-0.004 χ^2/NDF:4969646.4/51

Out: 32.283+/-0.004 χ^2/NDF:6633721.4/58

All: 31.802+/-0.003 χ^2/NDF: 11633266.3/110



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/28

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

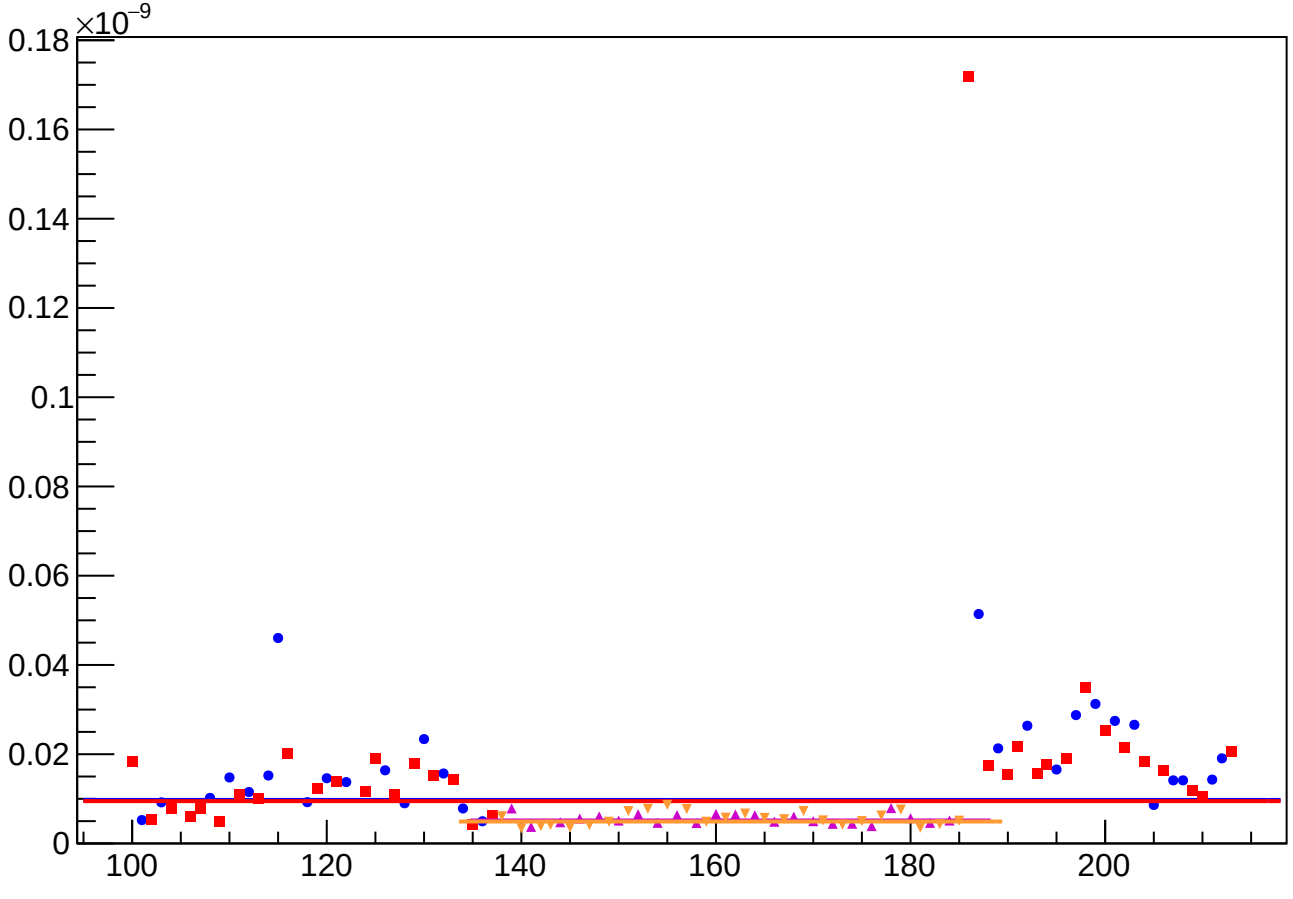
Right: -0.000+/-0.000 χ^2/NDF: 53.7/62

In: -0.000+/-0.000 χ^2/NDF:38.4/51

Out: -0.000+/-0.000 χ^2/NDF:47.2/58

All: -0.000+/-0.000 χ^2/NDF: 85.7/110

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6472343.8/28

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

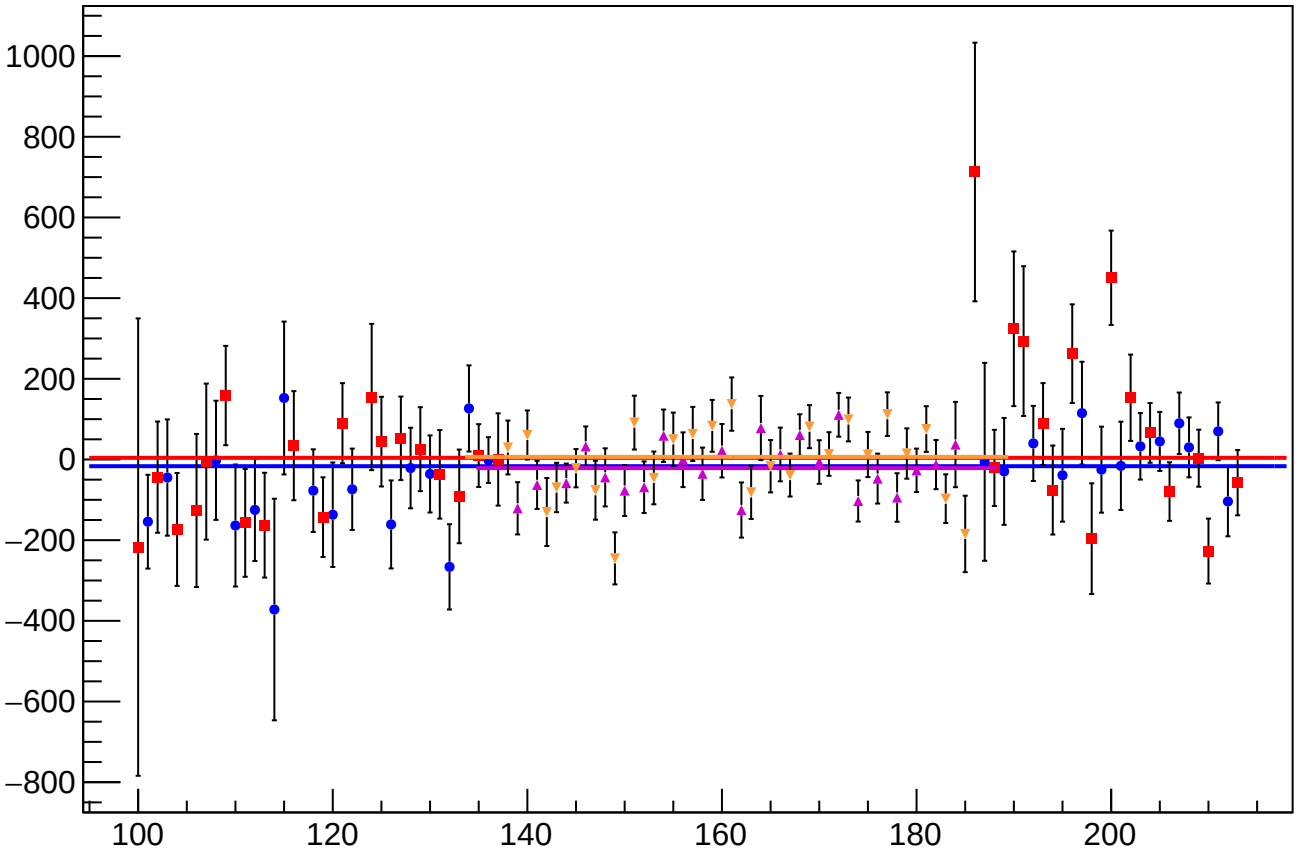
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12632386.4/62

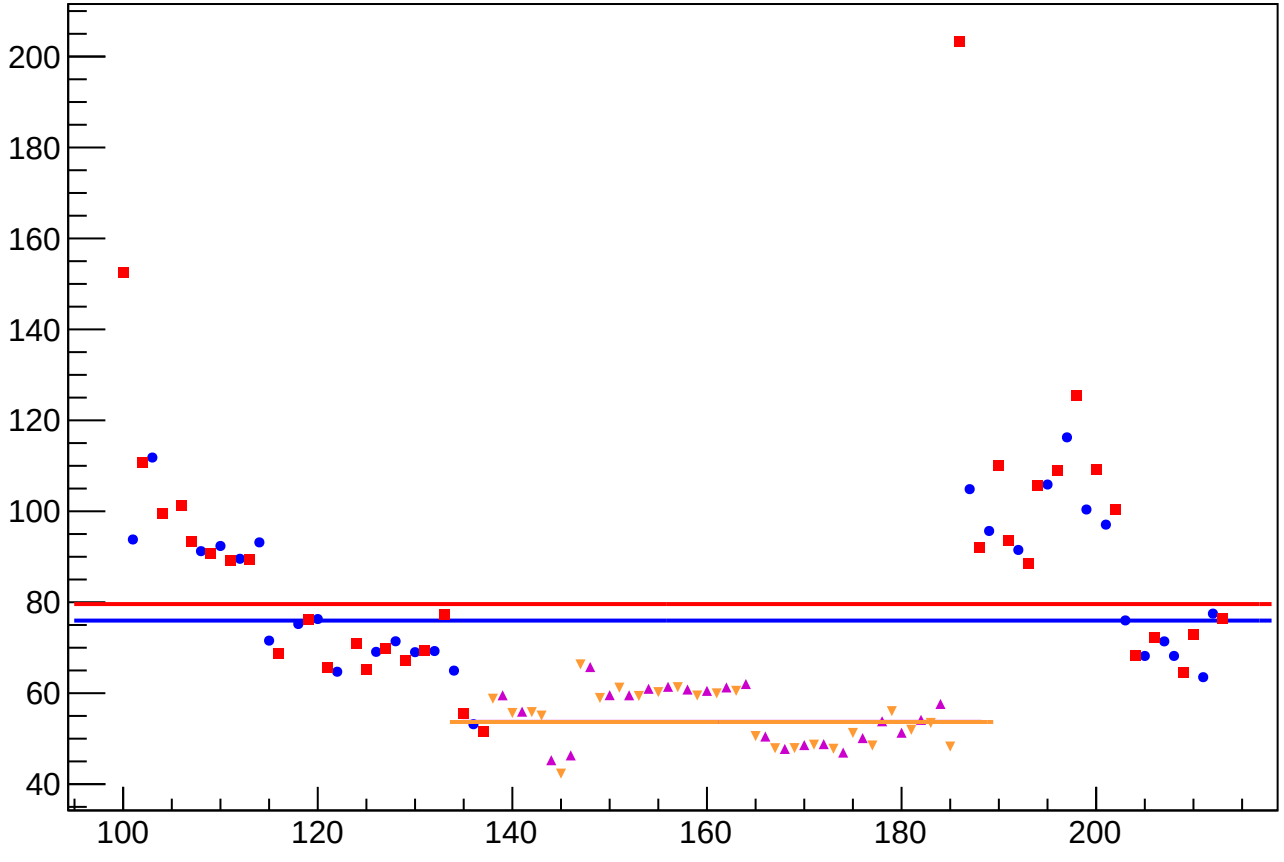
In: 0.000+/-0.000 χ^2/NDF:10675038.8/51

Out: 0.000+/-0.000 χ^2/NDF:11526074.4/58

All: 0.000+/-0.000 χ^2/NDF: 22233203.1/110


reg_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: -16.632+/-18.684 χ²/NDF: 23.7/28
Left Out: 6.523+/-12.287 χ²/NDF:50.6/24
Right Out: 4.107+/-18.851 χ²/NDF: 57.3/33
Left In: -21.336+/-12.649 χ²/NDF:25.4/22
Left: -7.002+/-8.814 χ²/NDF: 78.5/47
Right: -6.354+/-13.270 χ²/NDF: 81.6/62
In: -19.857+/-10.475 χ²/NDF:49.2/51
Out: 5.803+/-10.294 χ²/NDF:107.9/58
All: -6.804+/-7.342 χ²/NDF: 160.1/110

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 75.966+/-0.013 χ^2/NDF: 1403172.4/28

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

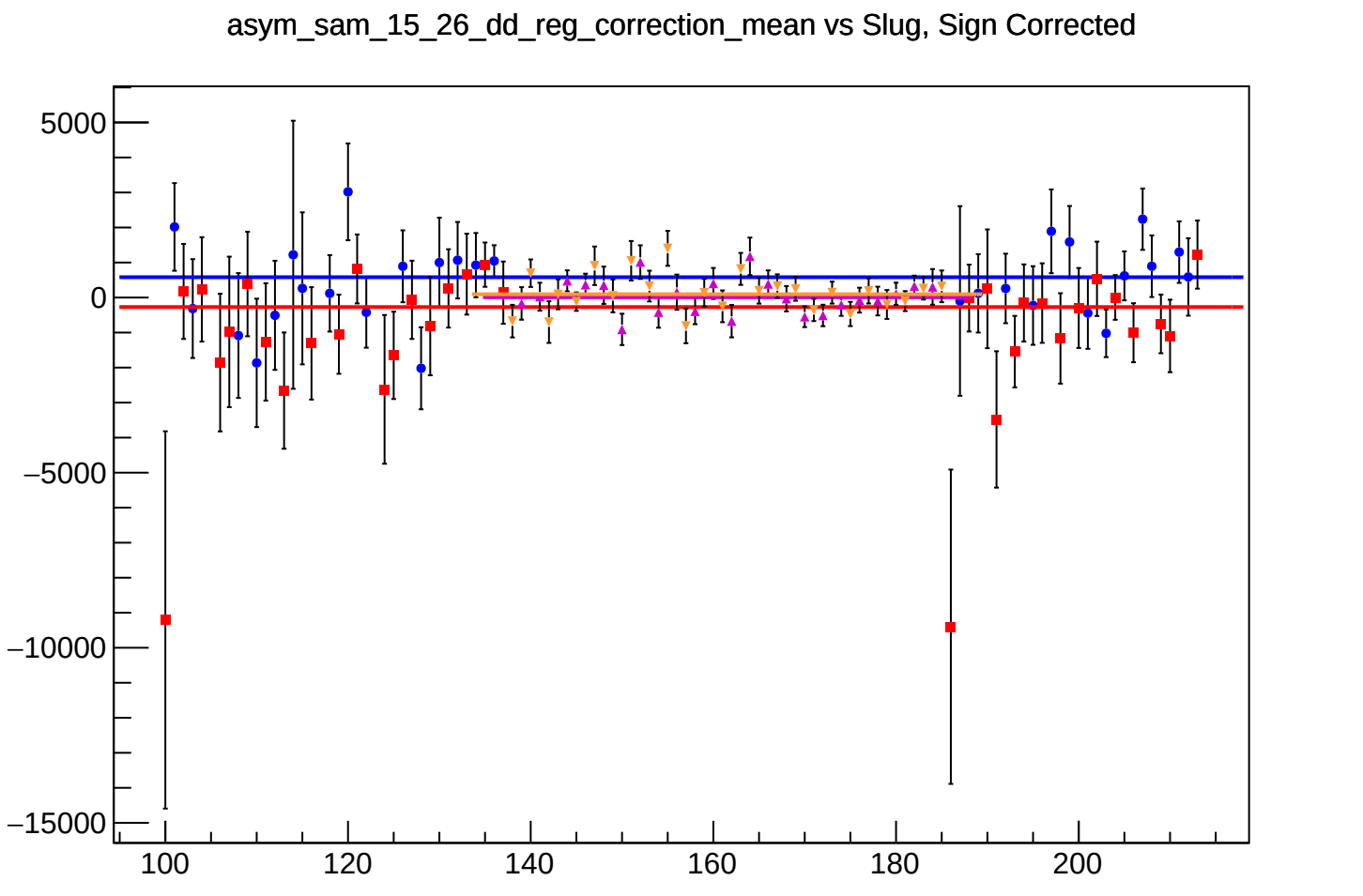
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 77.767+/-0.009 χ^2/NDF: 3399426.7/62

In: 60.694+/-0.007 χ^2/NDF:3823103.3/51

Out: 61.399+/-0.007 χ^2/NDF:5087659.0/58

All: 61.053+/-0.005 χ^2/NDF: 8915362.9/110



Right In: 580.651+/-187.914 χ^2/NDF: 29.7/28

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

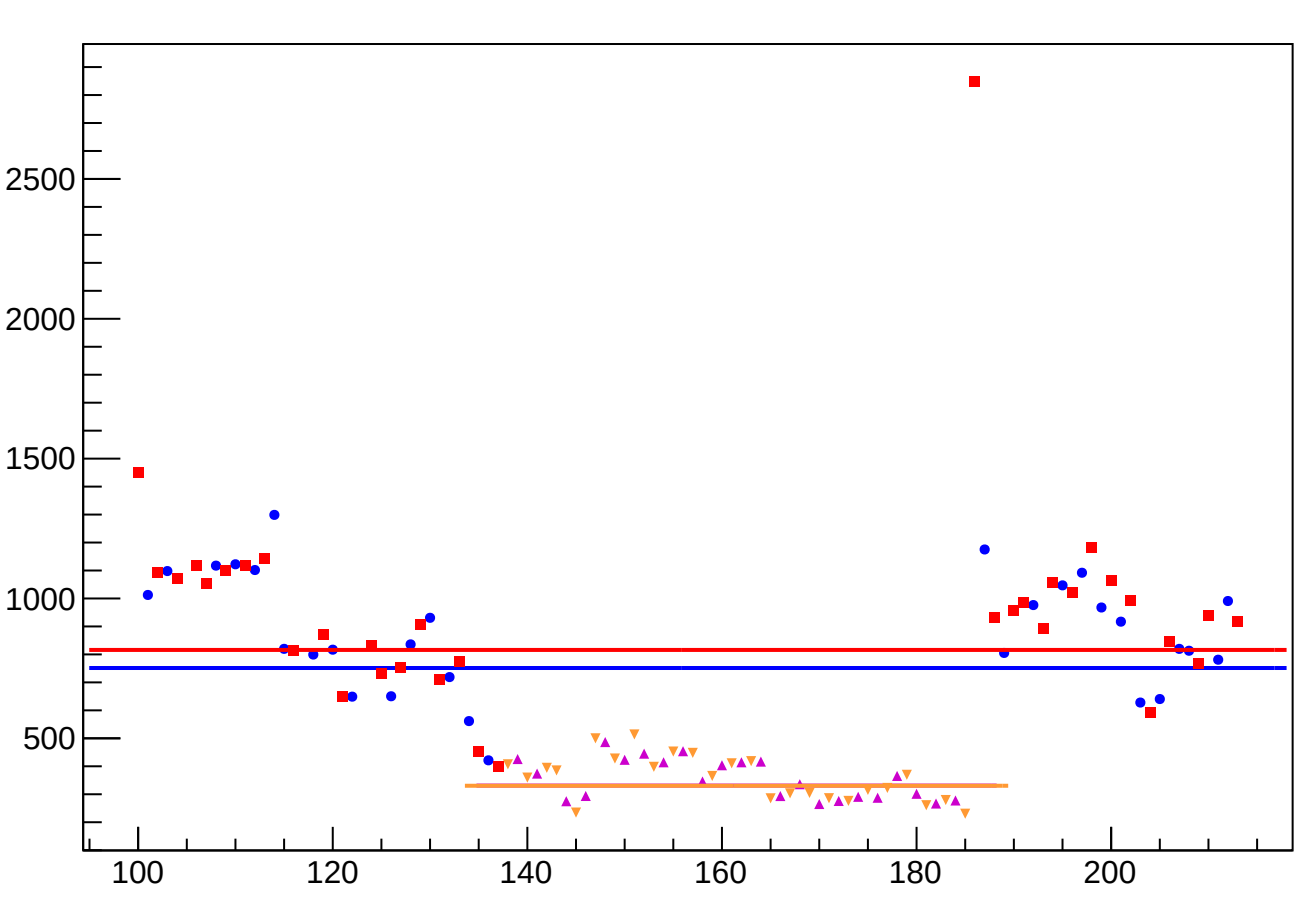
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 171.007+/-135.414 χ^2/NDF: 69.3/62

In: 94.138+/-72.924 χ^2/NDF:69.9/51

Out: 45.942+/-71.742 χ^2/NDF:66.0/58

All: 69.646+/-51.142 χ^2/NDF: 136.1/110



Right In: 751.402+/-0.133 χ^2/NDF: 2615783.4/28

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

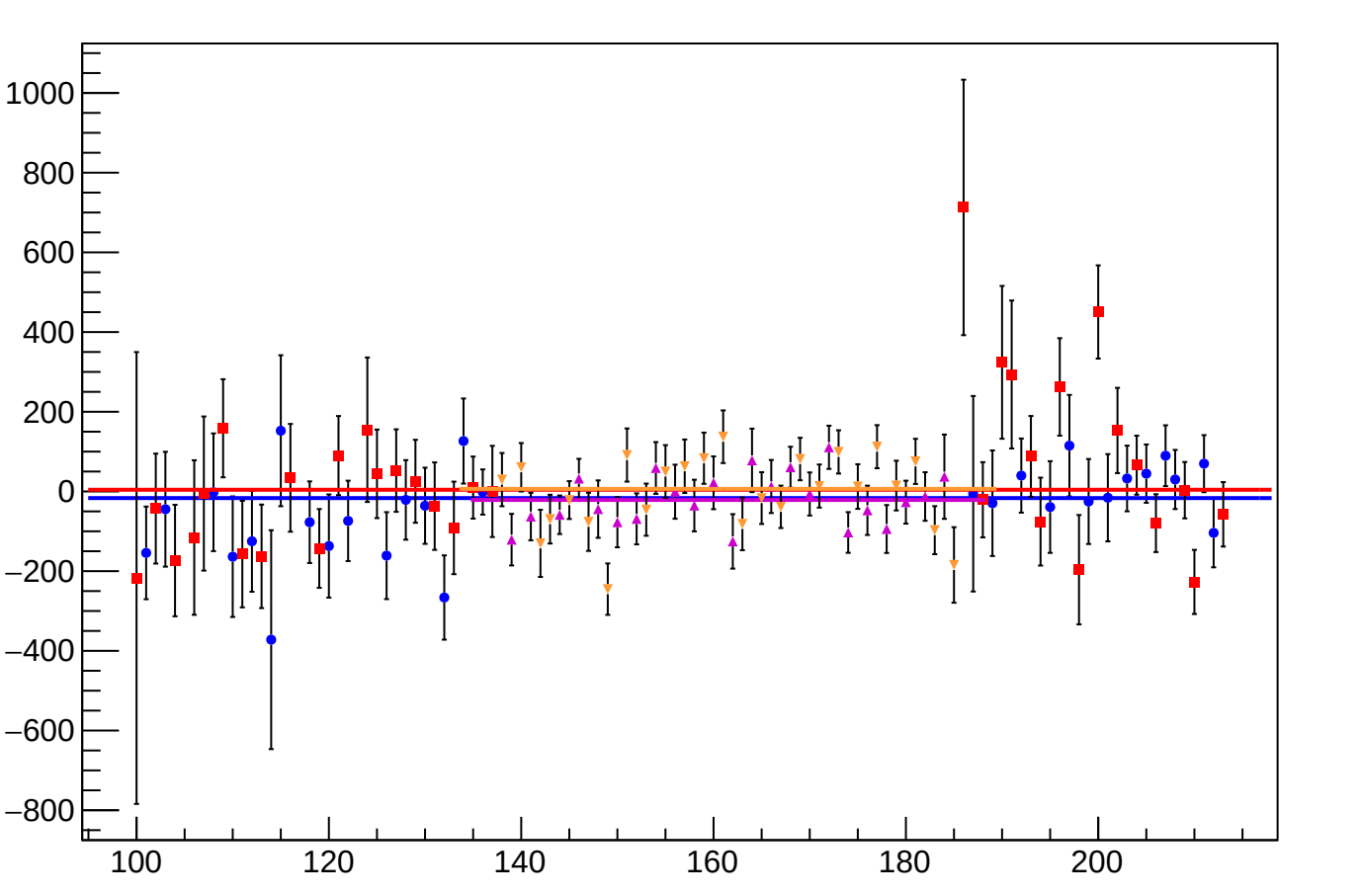
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 782.461+/-0.096 χ^2/NDF: 5657178.1/62

In: 394.362+/-0.052 χ^2/NDF:12441605.9/51

Out: 395.928+/-0.051 χ^2/NDF:15375927.3/58

All: 395.158+/-0.036 χ^2/NDF: 27818001.5/1



Right In: -16.624+/-18.684 χ^2/NDF: 23.7/28

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

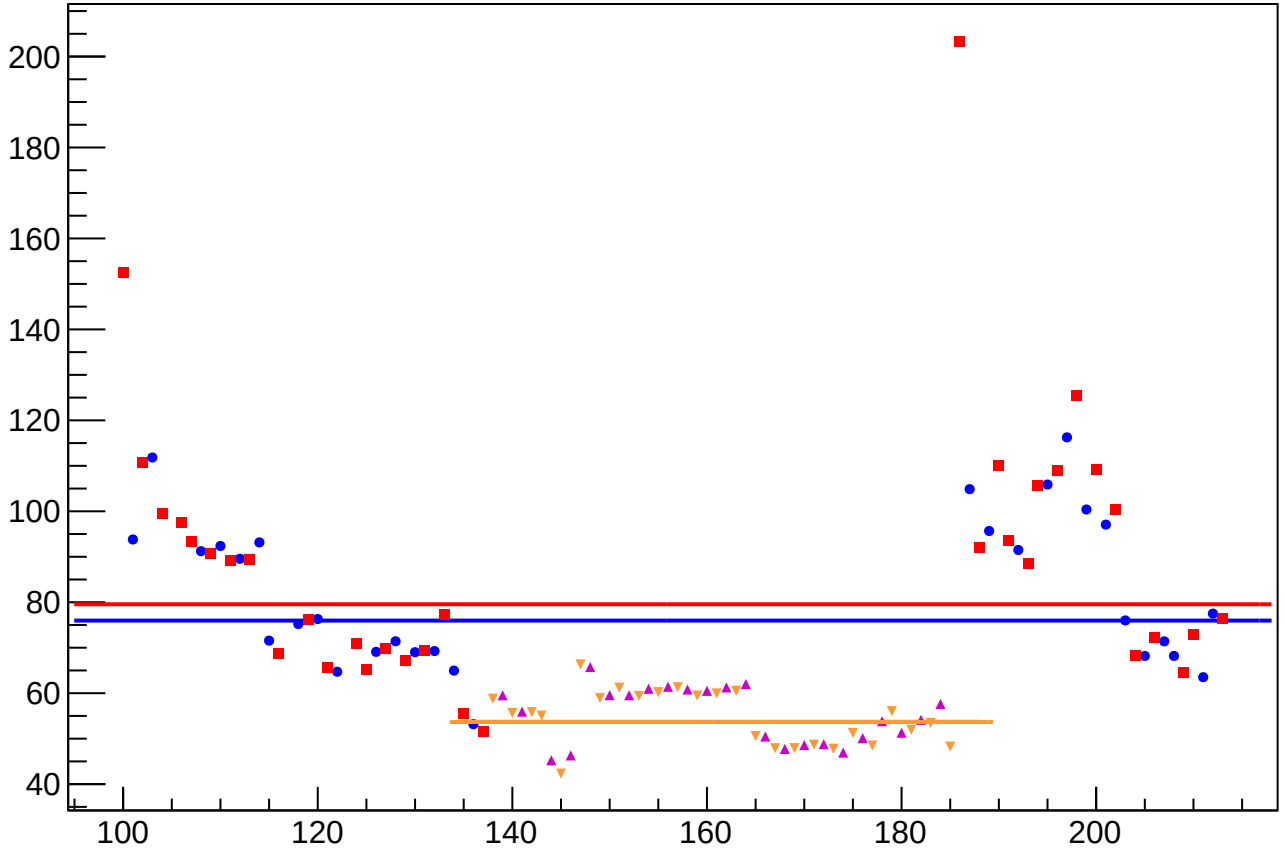
Right: -6.268+/-13.272 χ^2/NDF: 81.5/62

In: -19.854+/-10.475 χ^2/NDF:49.2/51

Out: 5.856+/-10.294 χ^2/NDF:107.8/58

All: -6.776+/-7.342 χ^2/NDF: 160.0/110

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 75.966+/-0.013 χ^2/NDF: 1403174.8/28

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

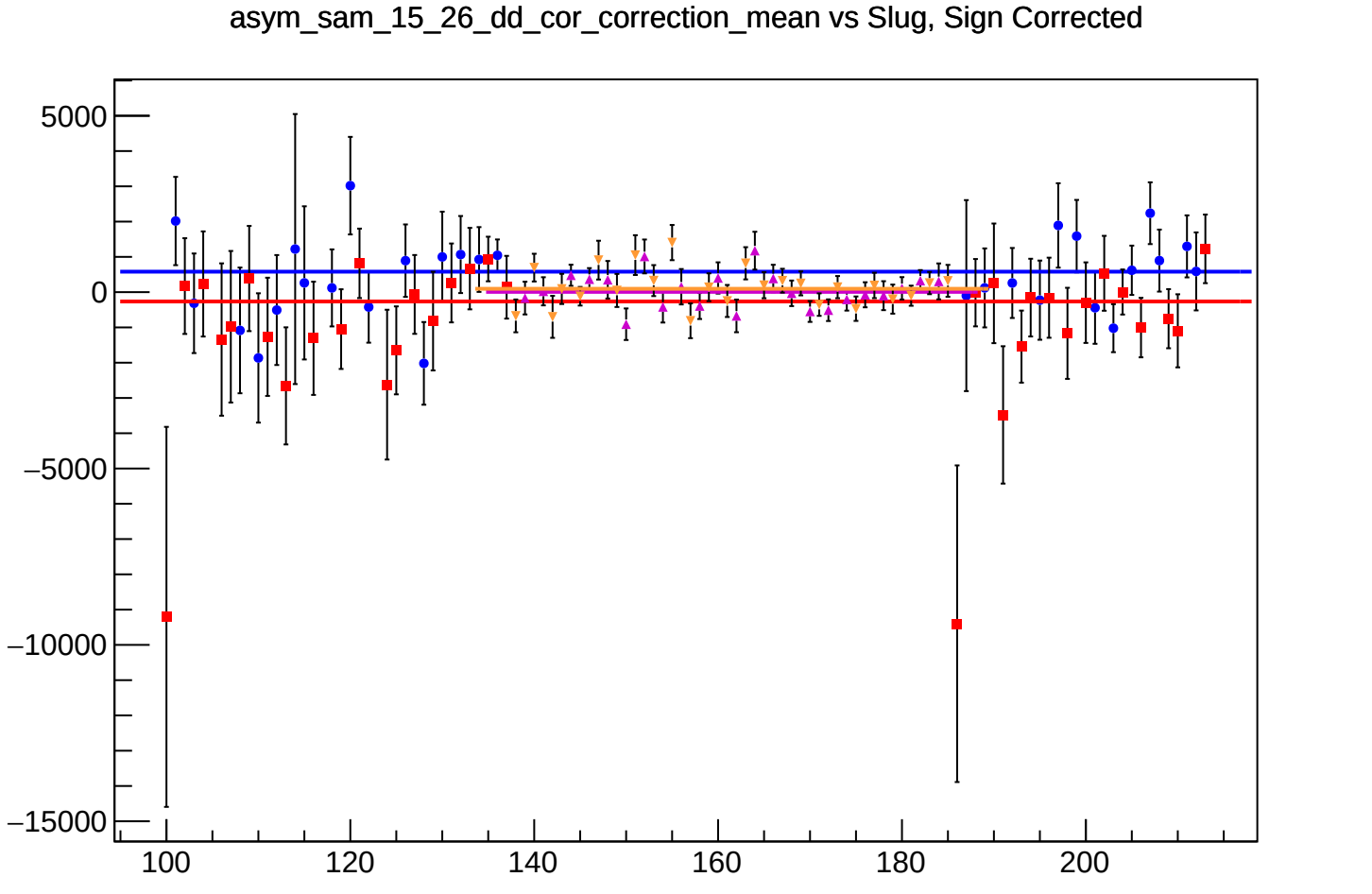
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 77.745+/-0.009 χ^2/NDF: 3389933.2/62

In: 60.694+/-0.007 χ^2/NDF:3823105.9/51

Out: 61.383+/-0.007 χ^2/NDF:5069346.8/58

All: 61.045+/-0.005 χ^2/NDF: 8896854.7/110



Right In: 580.649+/-187.915 χ^2/NDF: 29.7/28

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

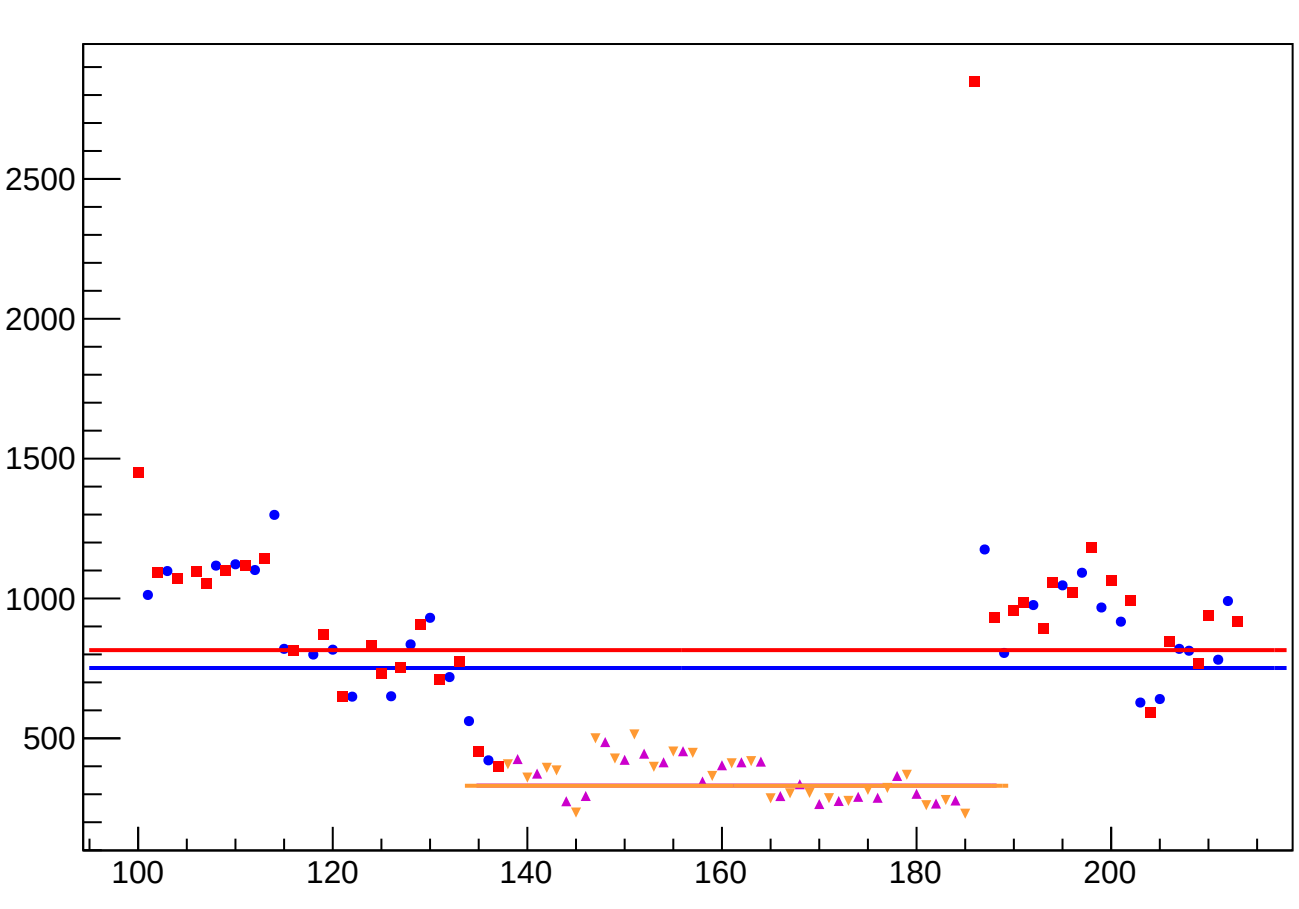
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 174.650+/-135.470 χ^2/NDF: 68.8/62

In: 94.135+/-72.924 χ^2/NDF:69.9/51

Out: 46.938+/-71.750 χ^2/NDF:65.5/58

All: 70.153+/-51.145 χ^2/NDF: 135.6/110



Right In: 751.402+/-0.133 χ^2/NDF: 2615806.6/28

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

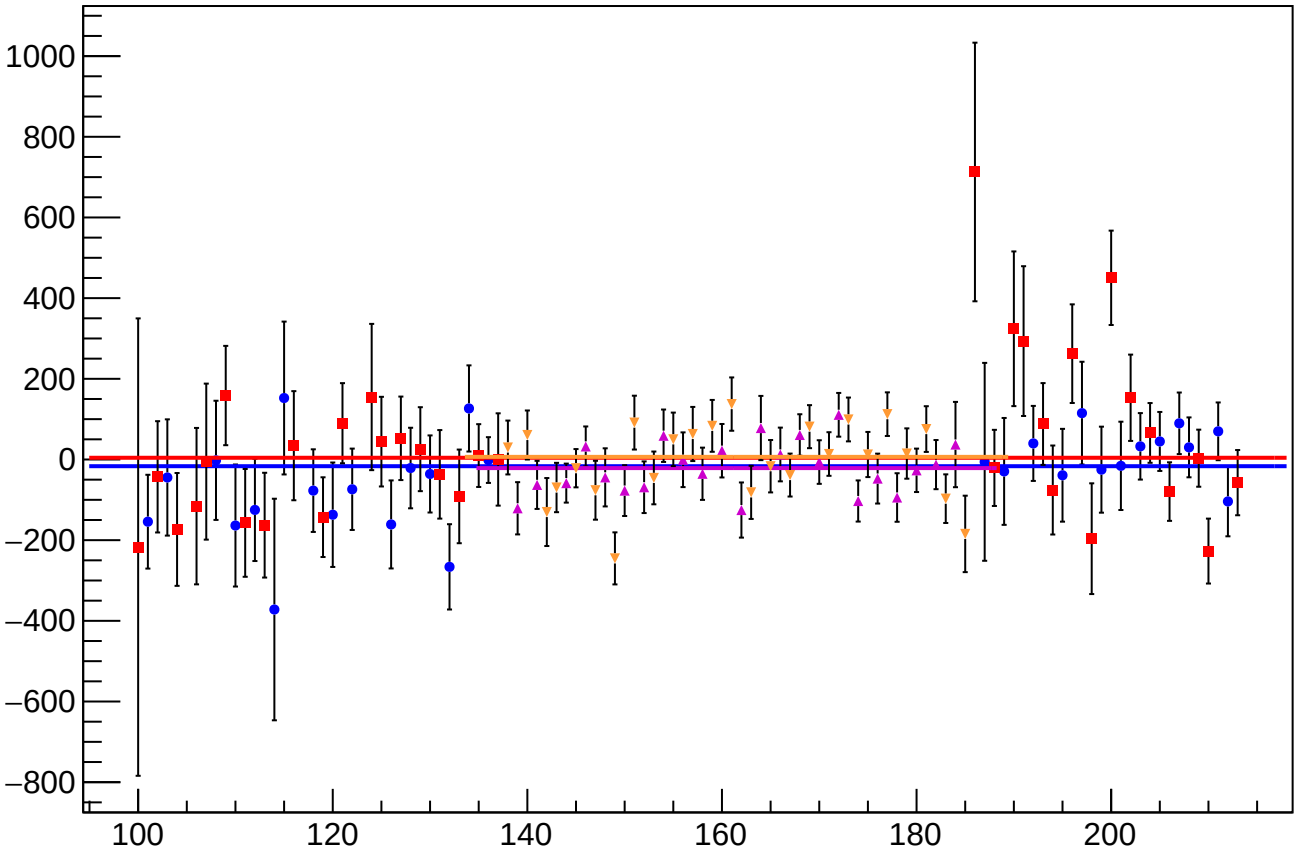
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 782.101+/-0.096 χ^2/NDF: 5641182.6/62

In: 394.362+/-0.052 χ^2/NDF:12441640.6/51

Out: 395.737+/-0.051 χ^2/NDF:15316121.9/58

All: 395.061+/-0.036 χ^2/NDF: 27758123.7/1



Right In: -16.624+/-18.684 χ^2/NDF: 23.7/28

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

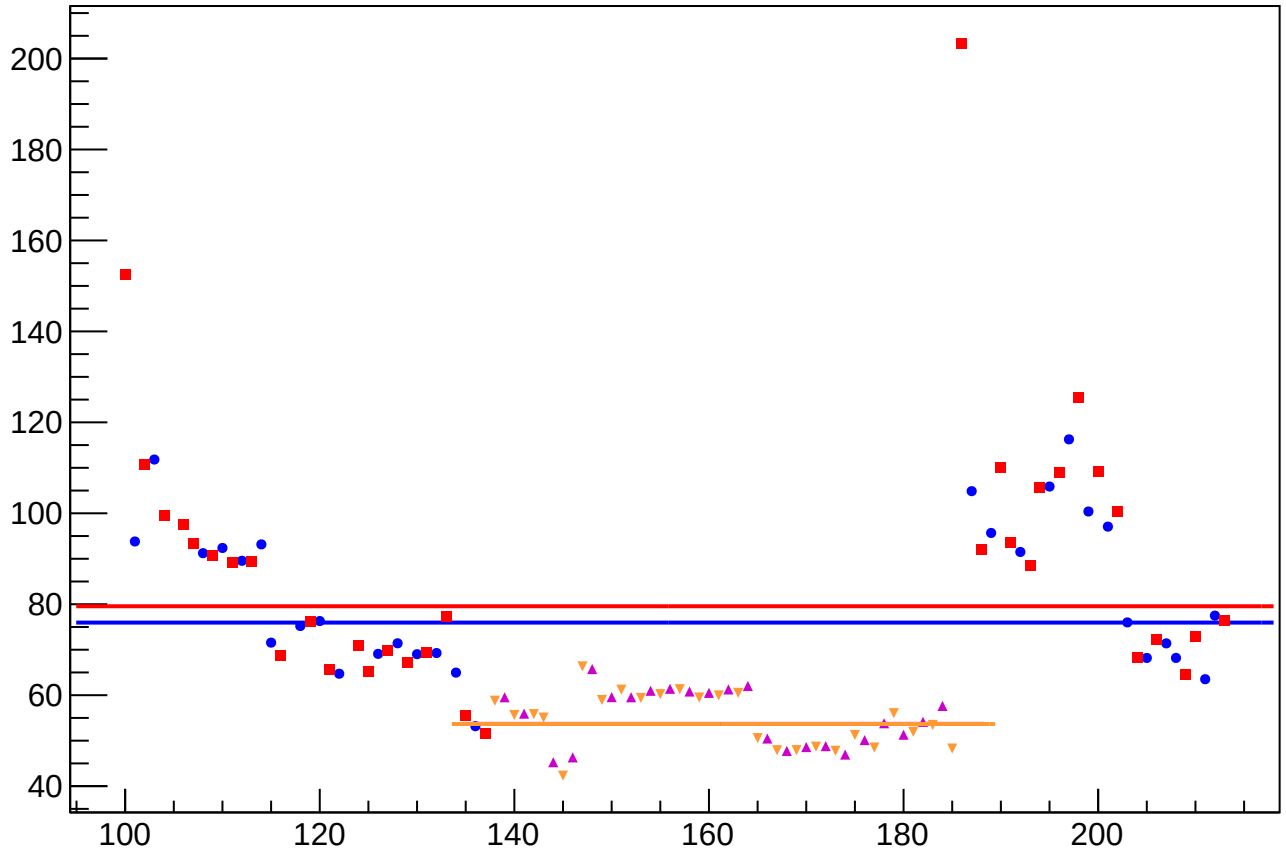
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -6.268+/-13.272 χ^2/NDF: 81.5/62

In: -19.854+/-10.475 χ^2/NDF:49.2/51

Out: 5.856+/-10.294 χ^2/NDF:107.8/58

All: -6.776+/-7.342 χ^2/NDF: 160.0/110



Right In: 75.966+/-0.013 χ^2/NDF: 1403174.8/28

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

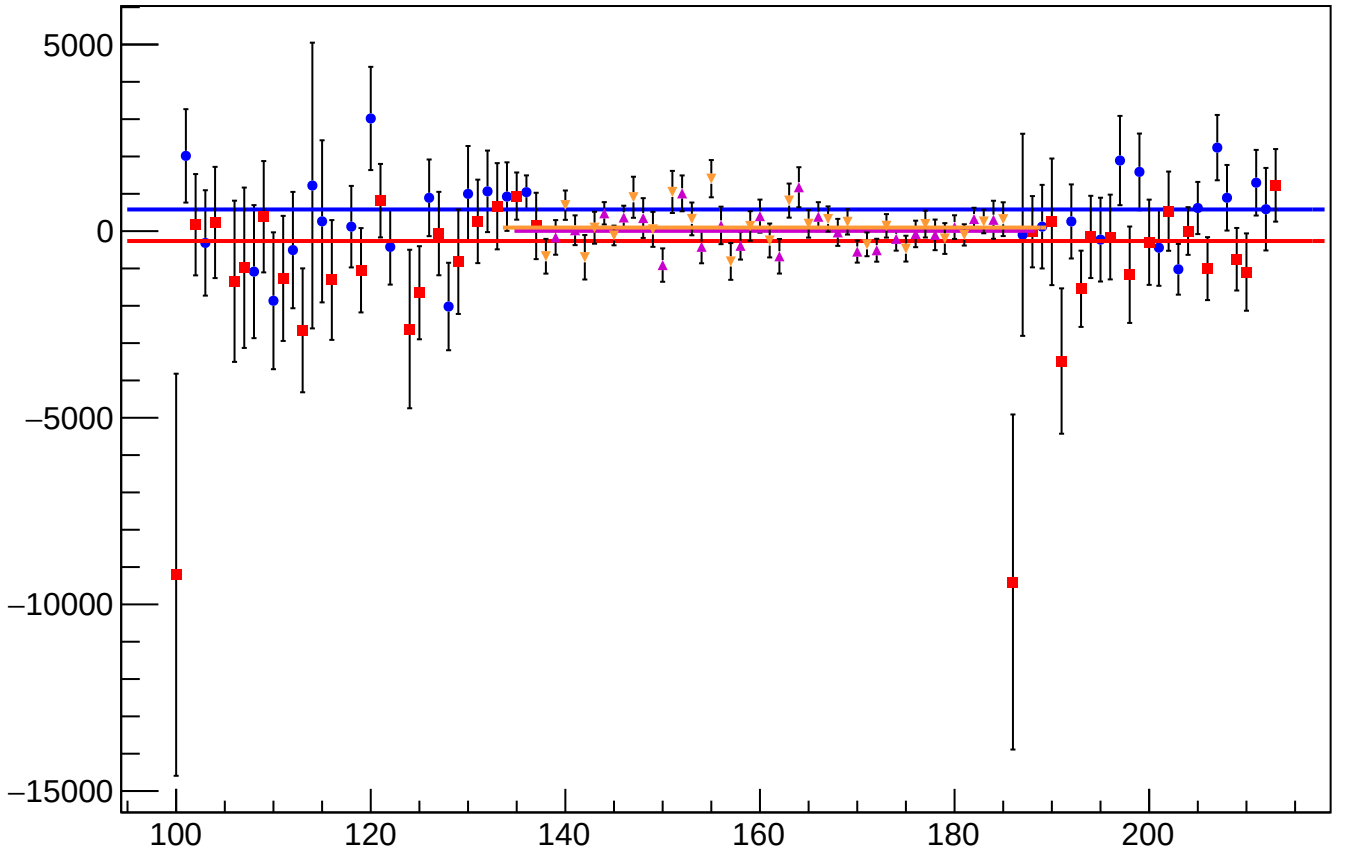
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 77.745+/-0.009 χ^2/NDF: 3389933.2/62

In: 60.694+/-0.007 χ^2/NDF:3823105.9/51

Out: 61.383+/-0.007 χ^2/NDF:5069346.8/58

All: 61.045+/-0.005 χ^2/NDF: 8896854.7/110



Right In: 580.649+/-187.915 χ^2/NDF: 29.7/28

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

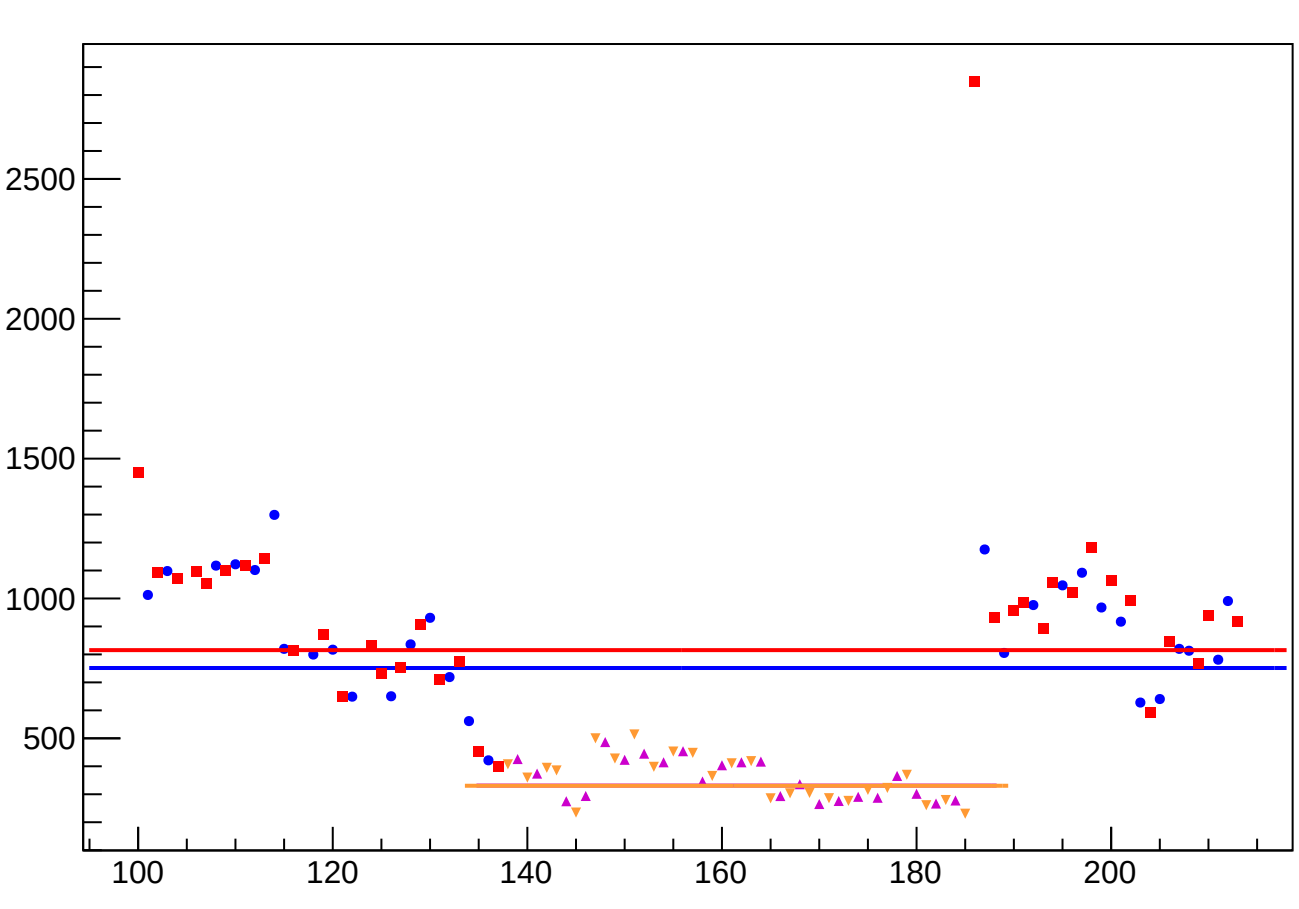
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

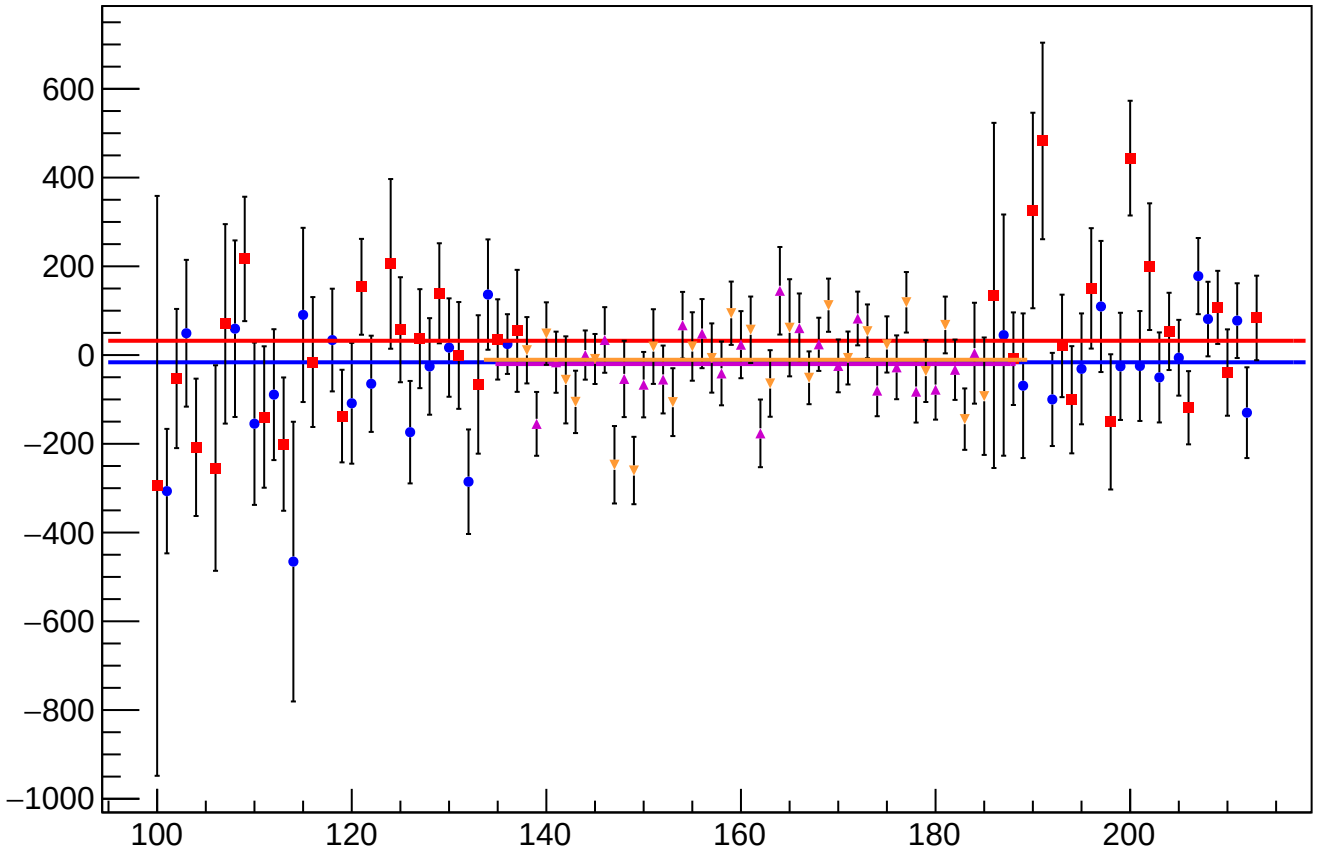
Right: 174.650+/-135.470 χ^2/NDF: 68.8/62

In: 94.135+/-72.924 χ^2/NDF:69.9/51

Out: 46.938+/-71.750 χ^2/NDF:65.5/58

All: 70.153+/-51.145 χ^2/NDF: 135.6/110


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: 751.402+/-0.133 χ²/NDF: 2615806.6/28
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: 782.101+/-0.096 χ²/NDF: 5641182.6/62
In: 394.362+/-0.052 χ²/NDF:12441640.6/51
Out: 395.737+/-0.051 χ²/NDF:15316121.9/58
All: 395.061+/-0.036 χ²/NDF: 27758123.7/11



Right In: -16.256+/-21.467 χ^2/NDF: 28.2/28

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

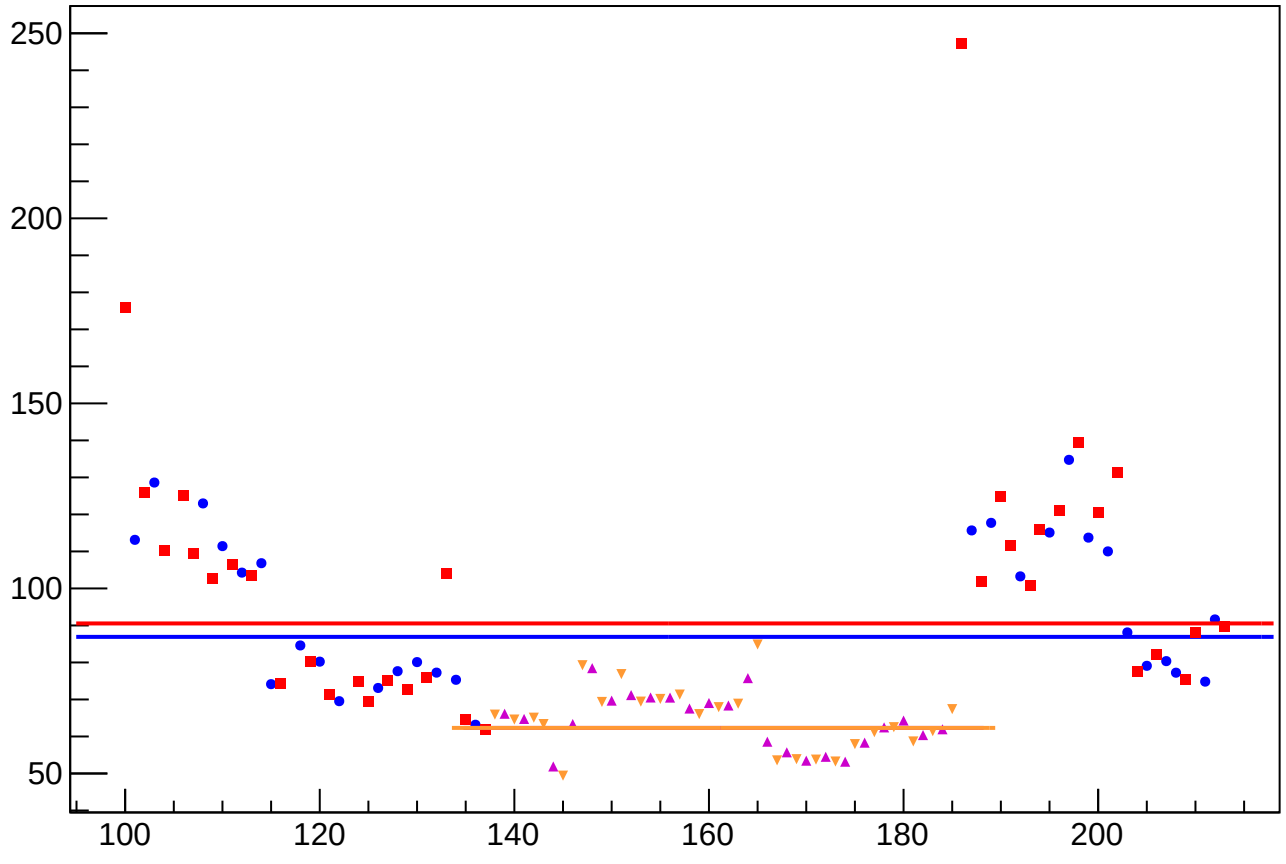
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 7.901+/-15.204 χ^2/NDF: 73.0/62

In: -19.007+/-12.157 χ^2/NDF:49.9/51

Out: 2.505+/-11.919 χ^2/NDF:87.2/58

All: -8.039+/-8.511 χ^2/NDF: 138.7/110



Right In: 86.914+/-0.015 χ^2/NDF: 1452646.6/28

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

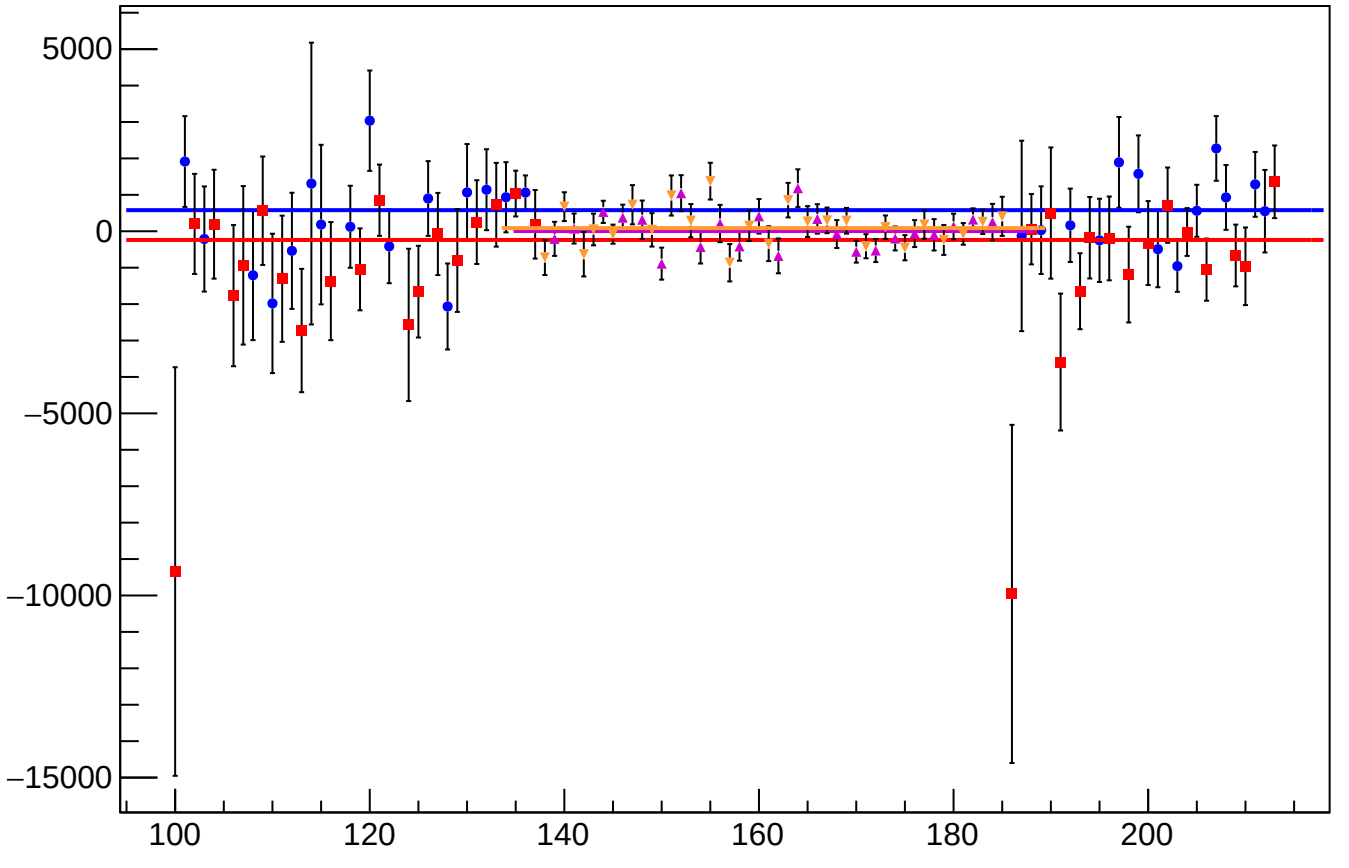
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 88.723+/-0.011 χ^2/NDF: 3558711.9/62

In: 70.201+/-0.009 χ^2/NDF:3721719.4/51

Out: 70.963+/-0.008 χ^2/NDF:5097425.6/58

All: 70.589+/-0.006 χ^2/NDF: 8823155.3/110



Right In: 579.500+/-192.810 χ^2/NDF: 29.0/28

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

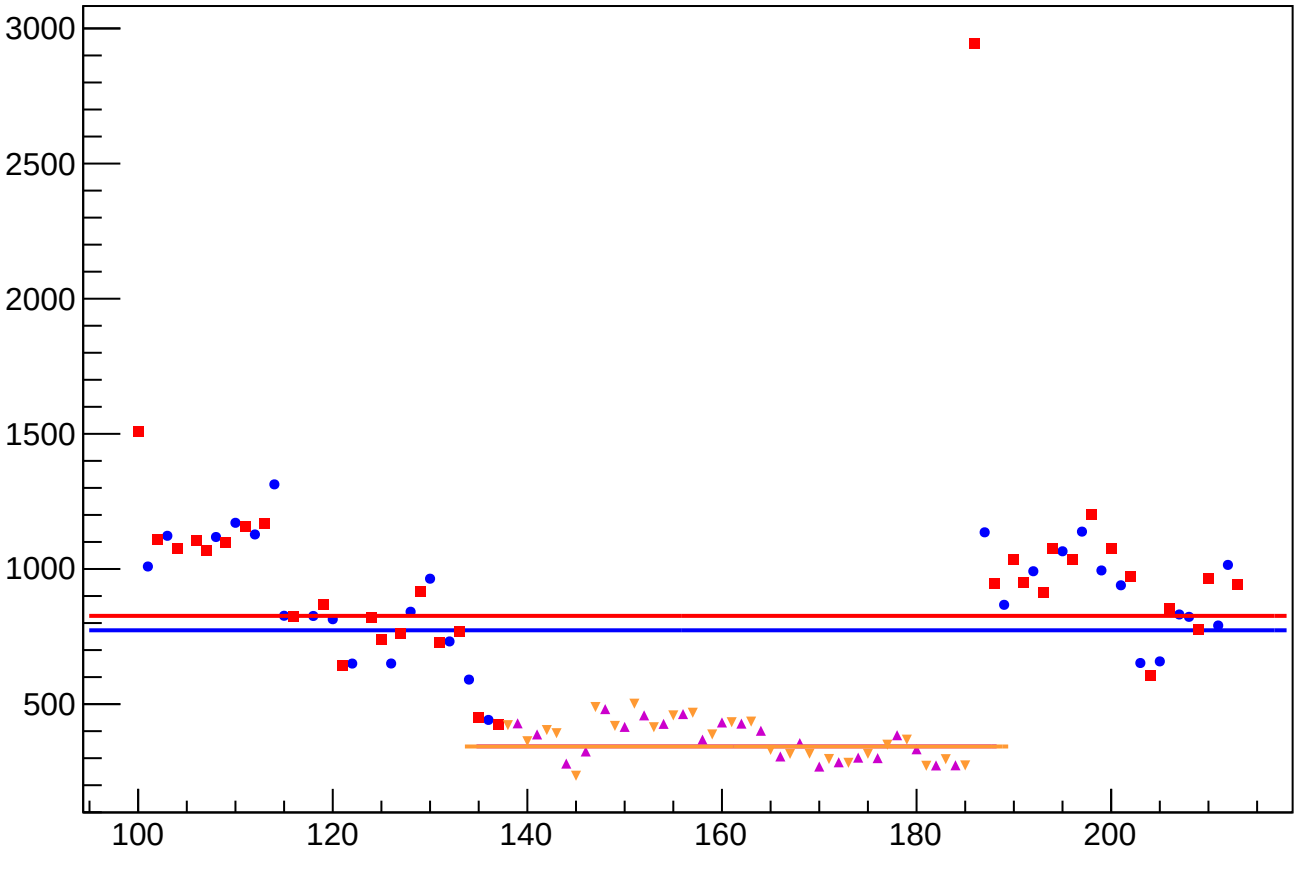
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 180.564+/-138.041 χ^2/NDF: 69.6/62

In: 94.463+/-75.545 χ^2/NDF:68.9/51

Out: 41.293+/-74.029 χ^2/NDF:65.8/58

All: 67.339+/-52.875 χ^2/NDF: 135.0/110



Right In: 773.176+/-0.136 χ^2/NDF: 2476079.0/28

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

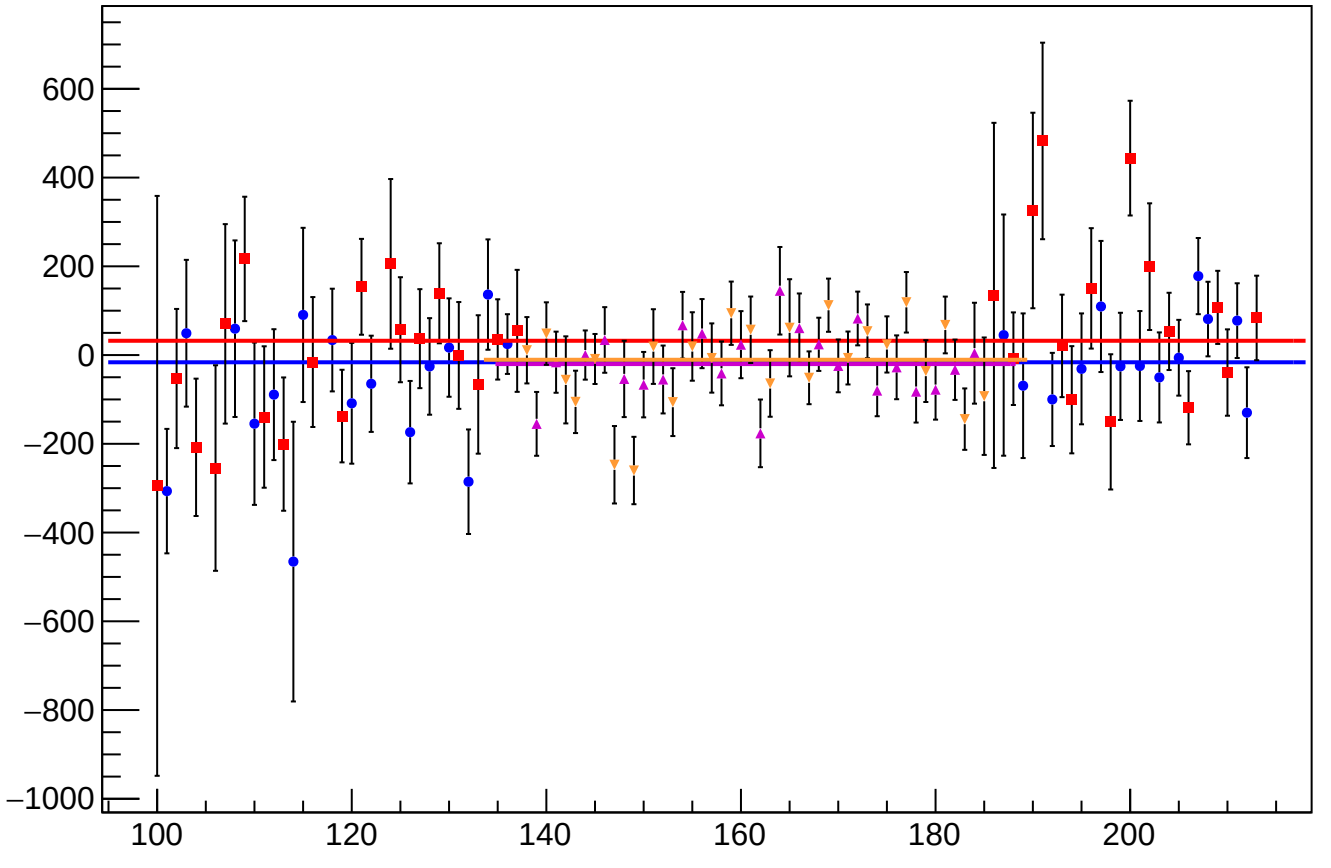
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 799.178+/-0.098 χ^2/NDF: 5465571.3/62

In: 409.646+/-0.053 χ^2/NDF:12133579.0/51

Out: 410.975+/-0.052 χ^2/NDF:14784551.4/58

All: 410.324+/-0.037 χ^2/NDF: 26918446.0/1



Right In: -16.257+/-21.467 χ^2/NDF: 28.2/28

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

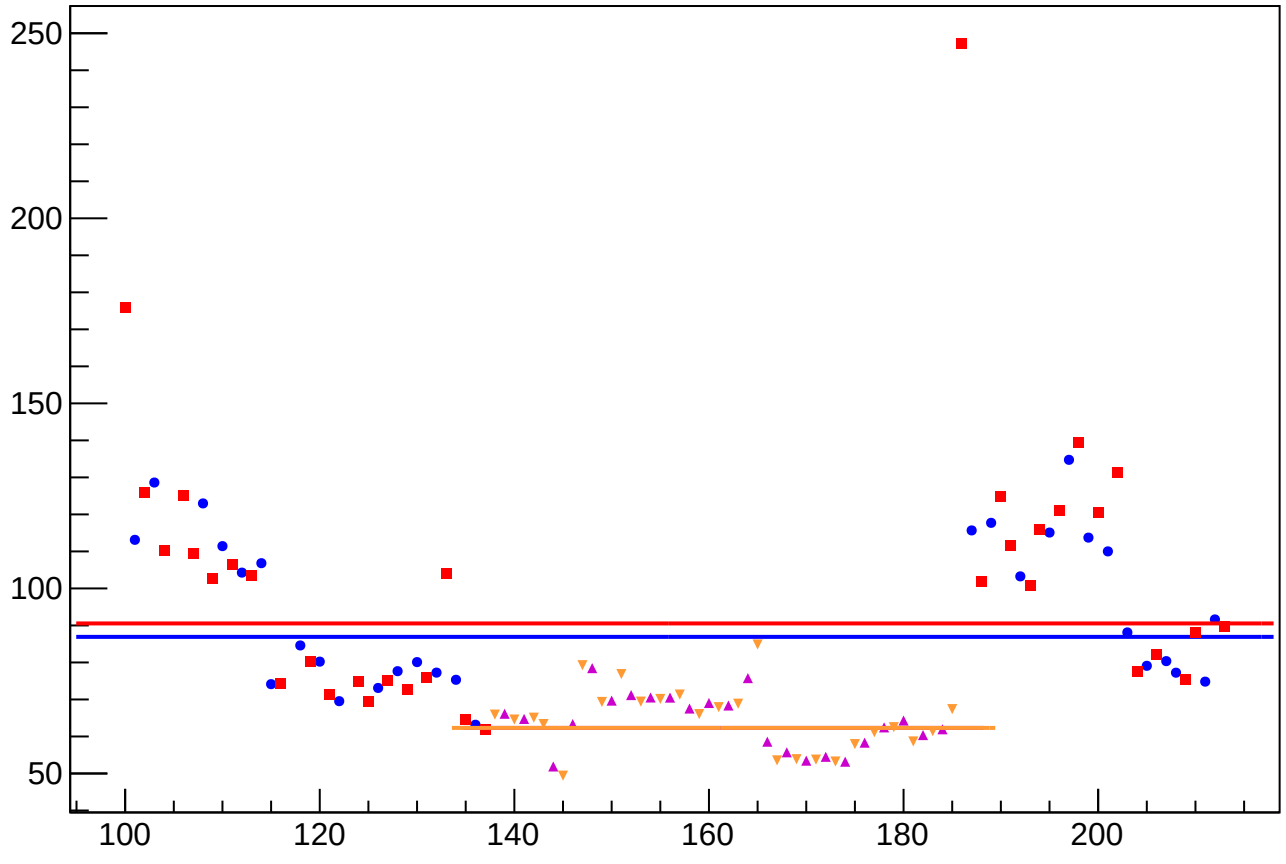
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 7.901+/-15.204 χ^2/NDF: 73.0/62

In: -19.007+/-12.157 χ^2/NDF:49.9/51

Out: 2.505+/-11.919 χ^2/NDF:87.2/58

All: -8.038+/-8.511 χ^2/NDF: 138.7/110



Right In: 86.913+/-0.015 χ^2/NDF: 1452662.2/28

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

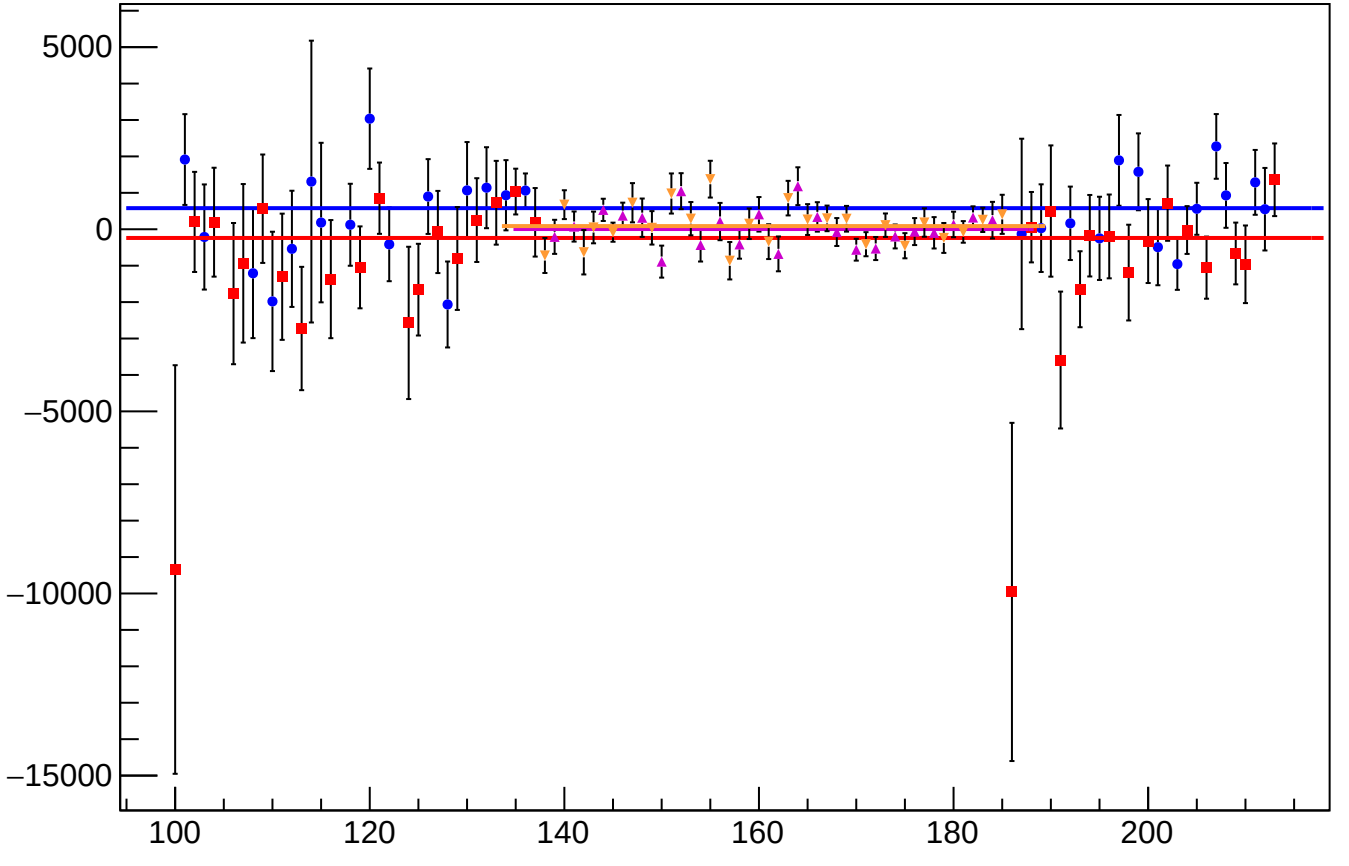
Right: 88.723+/-0.011 χ^2/NDF: 3558723.3/62

In: 70.201+/-0.009 χ^2/NDF:3721670.6/51

Out: 70.963+/-0.008 χ^2/NDF:5097394.7/58

All: 70.589+/-0.006 χ^2/NDF: 8823074.9/110

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 579.500+/-192.810 χ^2/NDF: 29.0/28

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

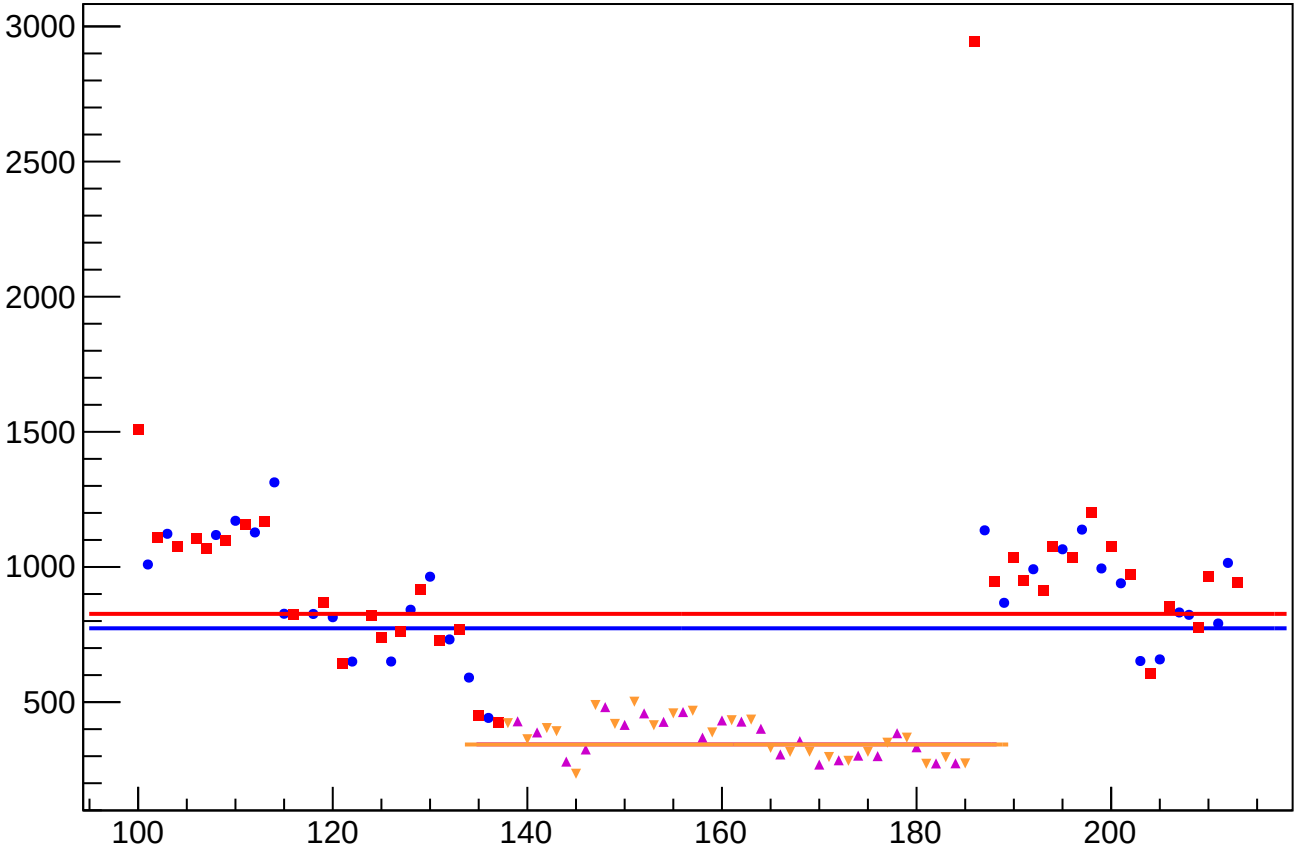
Right: 180.564+/-138.041 χ^2/NDF: 69.6/62

In: 94.463+/-75.545 χ^2/NDF:68.9/51

Out: 41.293+/-74.029 χ^2/NDF:65.8/58

All: 67.339+/-52.875 χ^2/NDF: 135.0/110

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 773.177+/-0.136 χ^2/NDF: 2476066.3/28

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

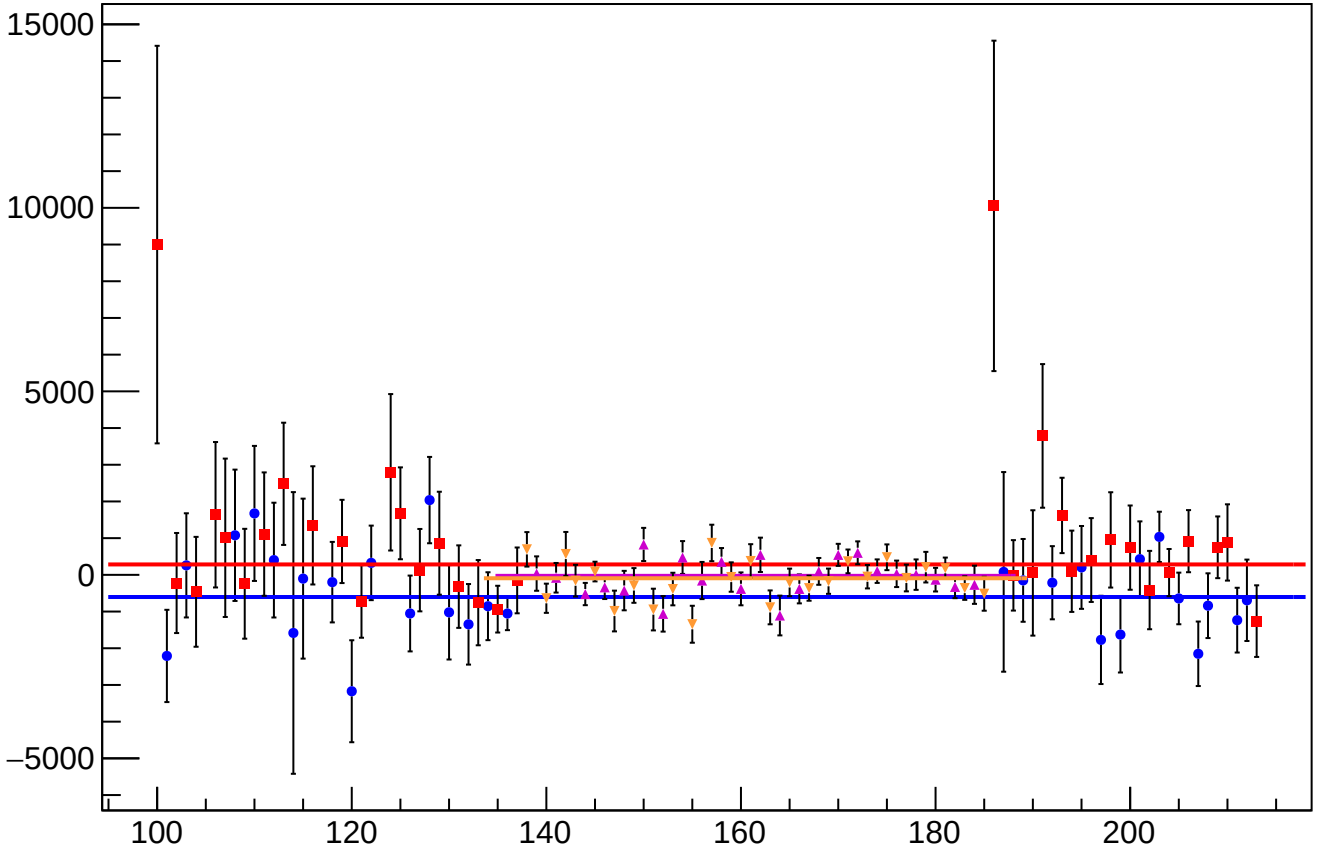
Right: 799.178+/-0.098 χ^2/NDF: 5465547.7/62

In: 409.647+/-0.053 χ^2/NDF:12133577.8/51

Out: 410.975+/-0.052 χ^2/NDF:14784562.4/58

All: 410.324+/-0.037 χ^2/NDF: 26918455.8/1

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -603.828+/-189.014 χ^2/NDF: 29.4/28

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

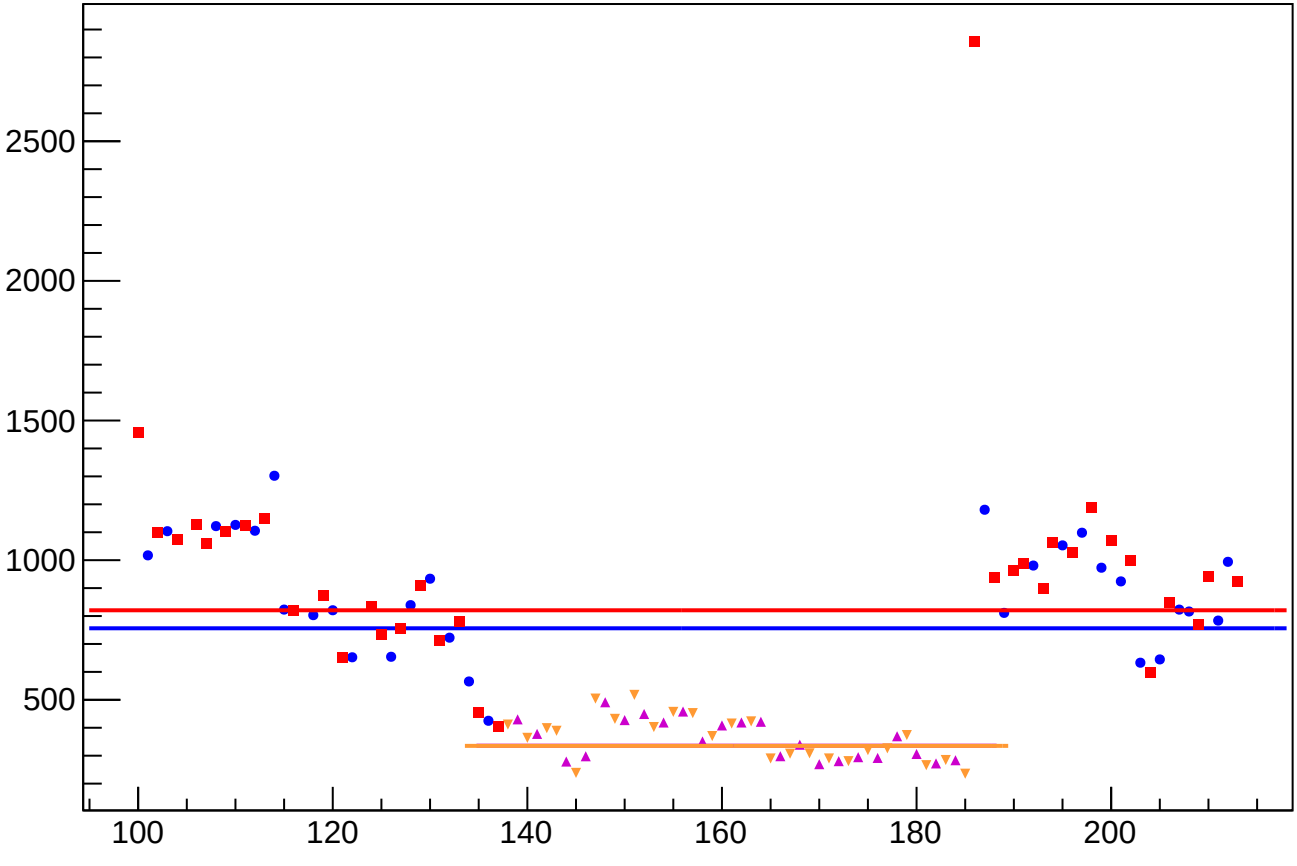
Right: -176.922+/-136.173 χ^2/NDF: 69.7/62

In: -115.167+/-73.835 χ^2/NDF:68.2/51

Out: -41.154+/-72.638 χ^2/NDF:67.0/58

All: -77.555+/-51.781 χ^2/NDF: 135.8/110

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 756.127+/-0.134 χ^2/NDF: 2590629.1/28

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

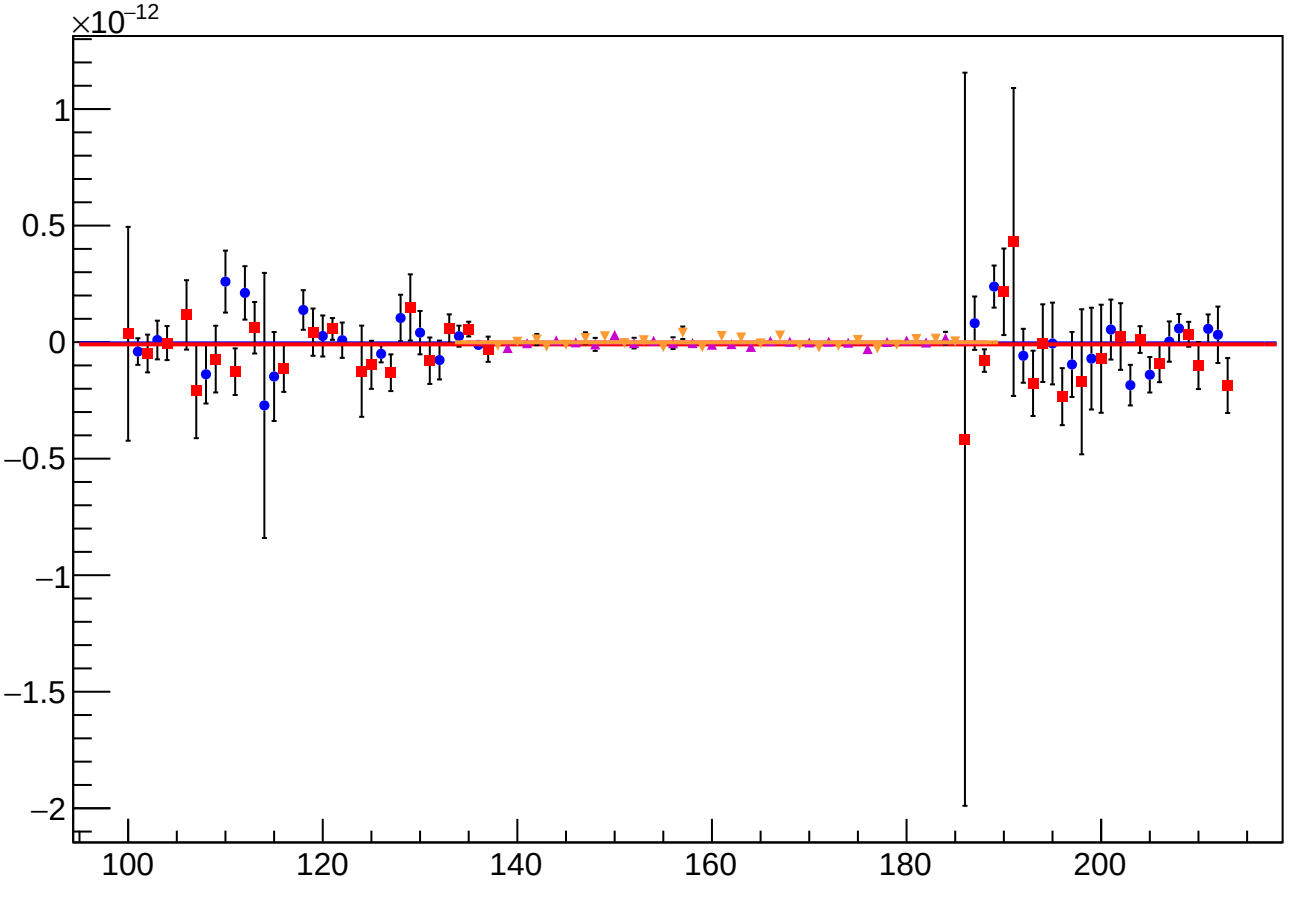
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 787.135+/-0.096 χ^2/NDF: 5612453.2/62

In: 399.928+/-0.052 χ^2/NDF:12263748.9/51

Out: 401.586+/-0.051 χ^2/NDF:15167984.8/58

All: 400.770+/-0.037 χ^2/NDF: 27432246.2/1



Right In: -0.000+/-0.000 χ^2/NDF: 35.6/28

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

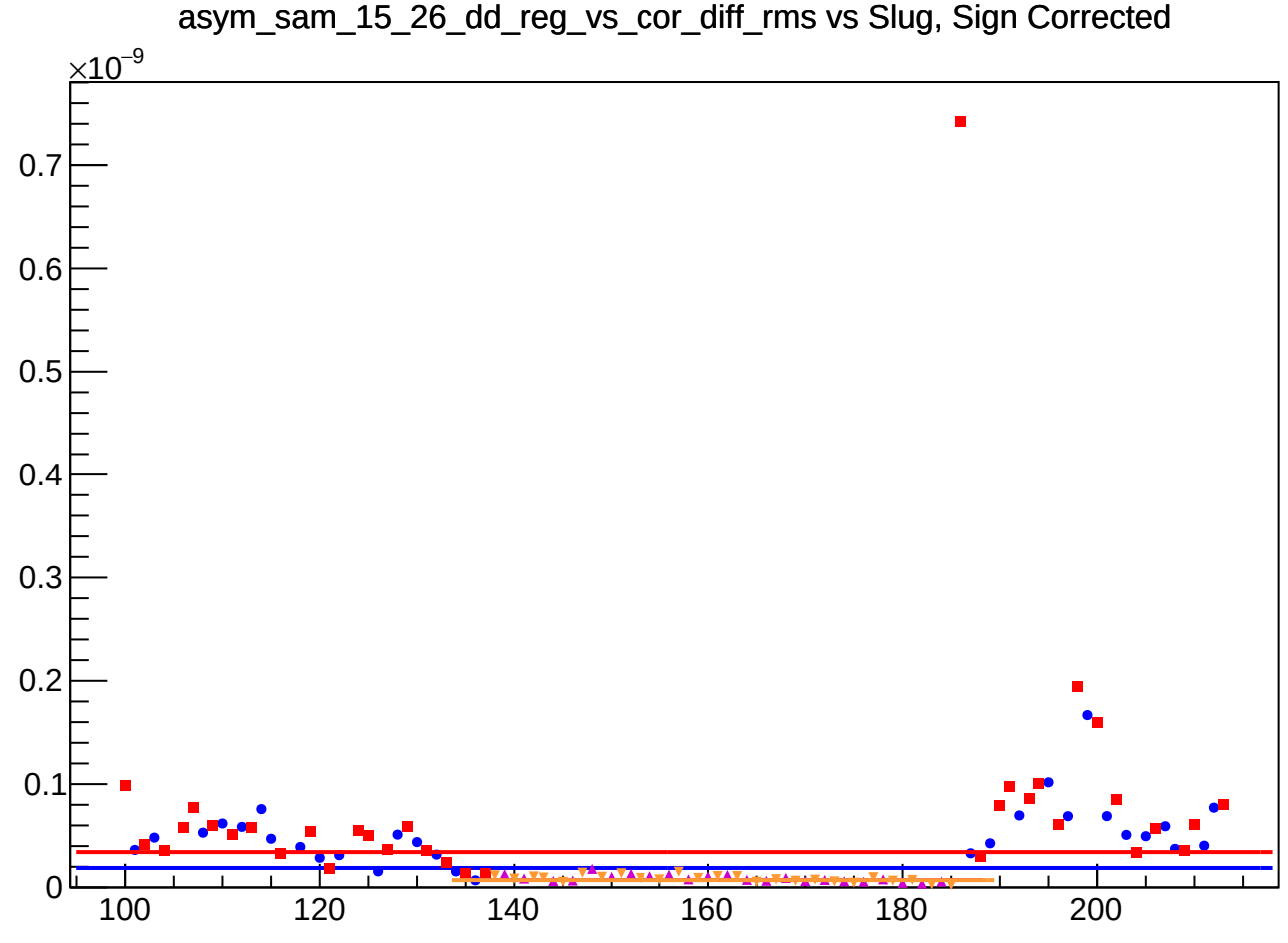
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 67.7/62

In: -0.000+/-0.000 χ^2/NDF:50.4/51

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: -0.000+/-0.000 χ^2/NDF: 116.2/110



Right In: 0.000+/-0.000 χ^2/NDF: 7963035.2/28

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

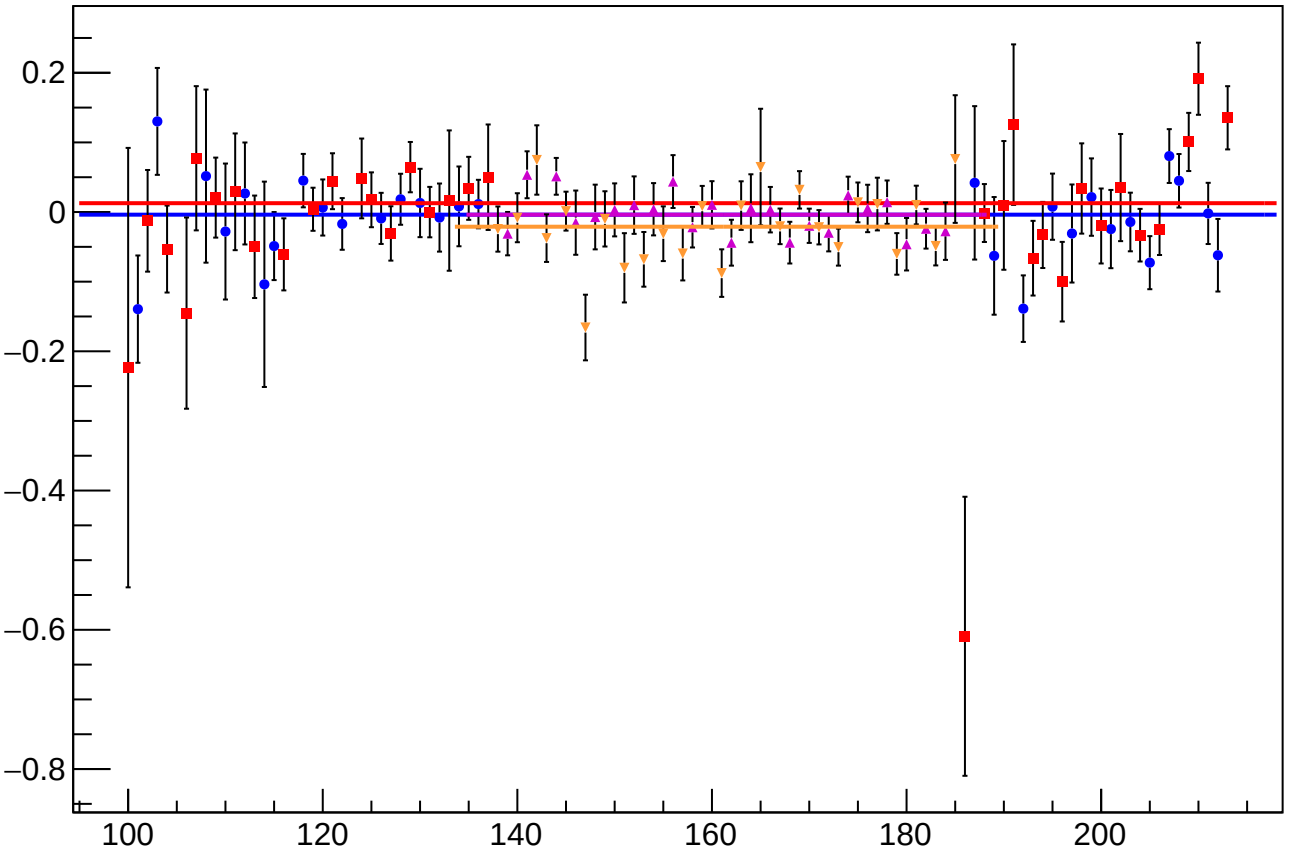
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14833369.1/62

In: 0.000+/-0.000 χ^2/NDF:12196314.3/51

Out: 0.000+/-0.000 χ^2/NDF:14343774.1/58

All: 0.000+/-0.000 χ^2/NDF: 26540815.7/110



Right In: -0.004+/-0.009 χ^2/NDF: 30.6/28

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

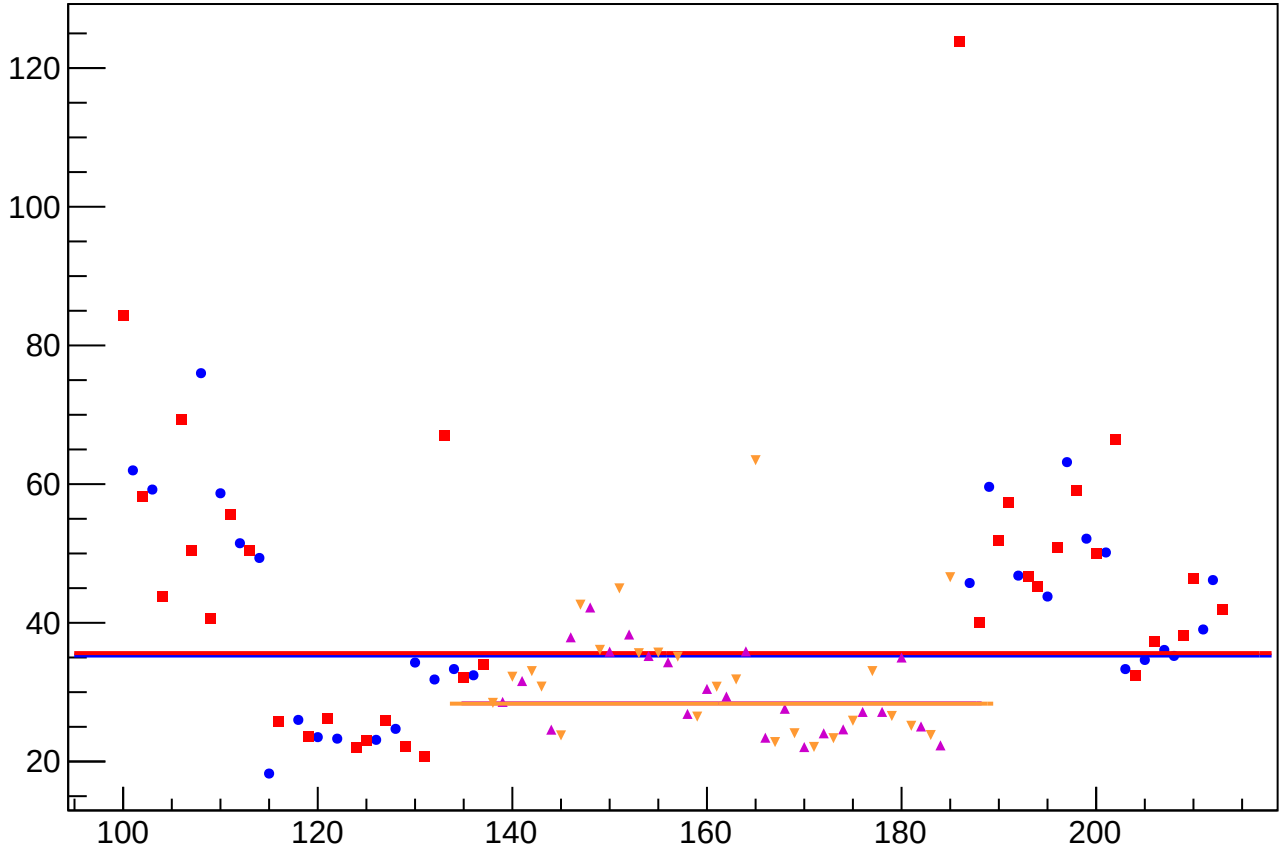
Right: 0.005+/-0.006 χ^2/NDF: 87.9/62

In: -0.004+/-0.005 χ^2/NDF:49.3/51

Out: -0.009+/-0.005 χ^2/NDF:102.1/58

All: -0.006+/-0.004 χ^2/NDF: 151.8/110

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.282+/-0.006 χ^2/NDF: 3140785.6/28

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

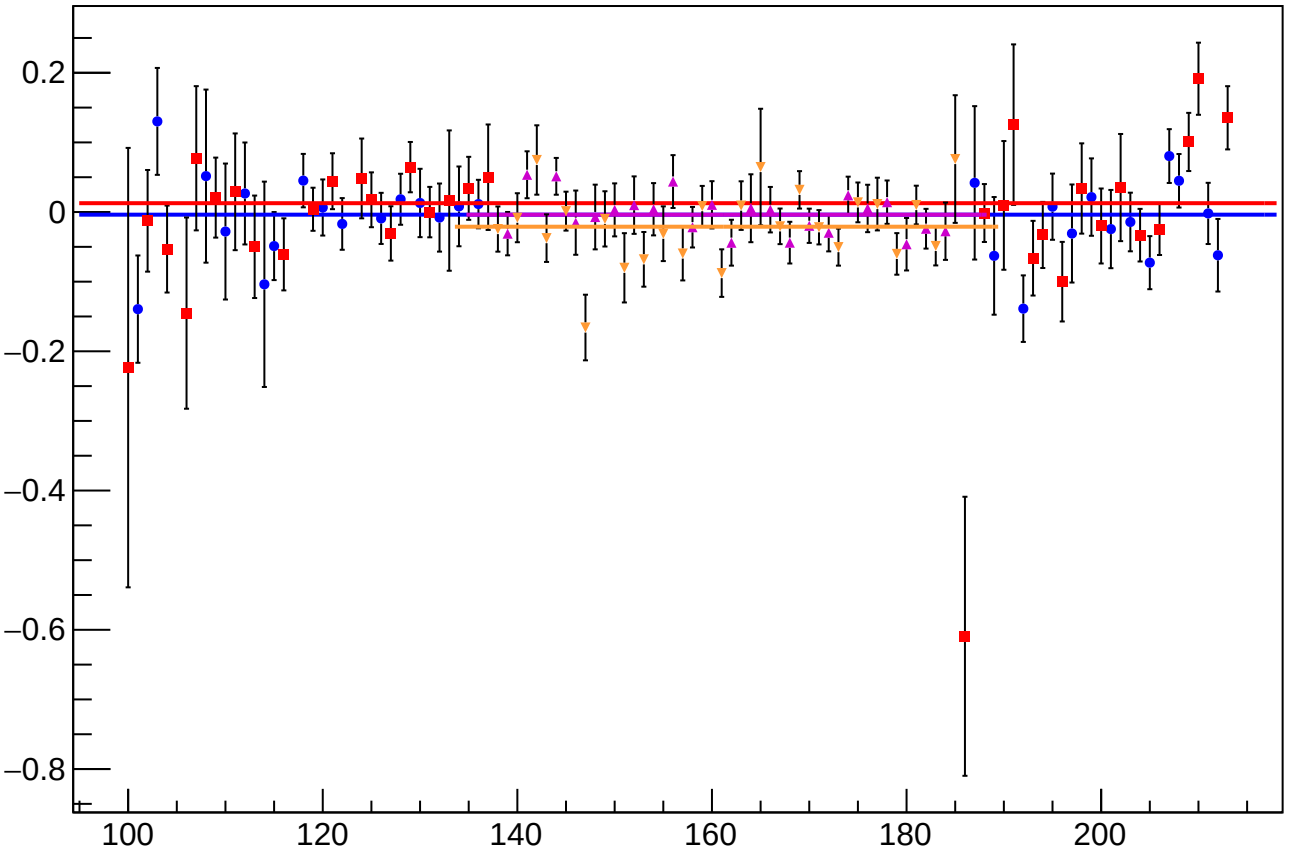
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 35.461+/-0.004 χ^2/NDF: 7264478.0/62

In: 30.885+/-0.004 χ^2/NDF:4970530.6/51

Out: 30.968+/-0.004 χ^2/NDF:6716586.2/58

All: 30.928+/-0.003 χ^2/NDF: 11687355.5/110



Right In: -0.004+/-0.009 χ^2/NDF: 30.6/28

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

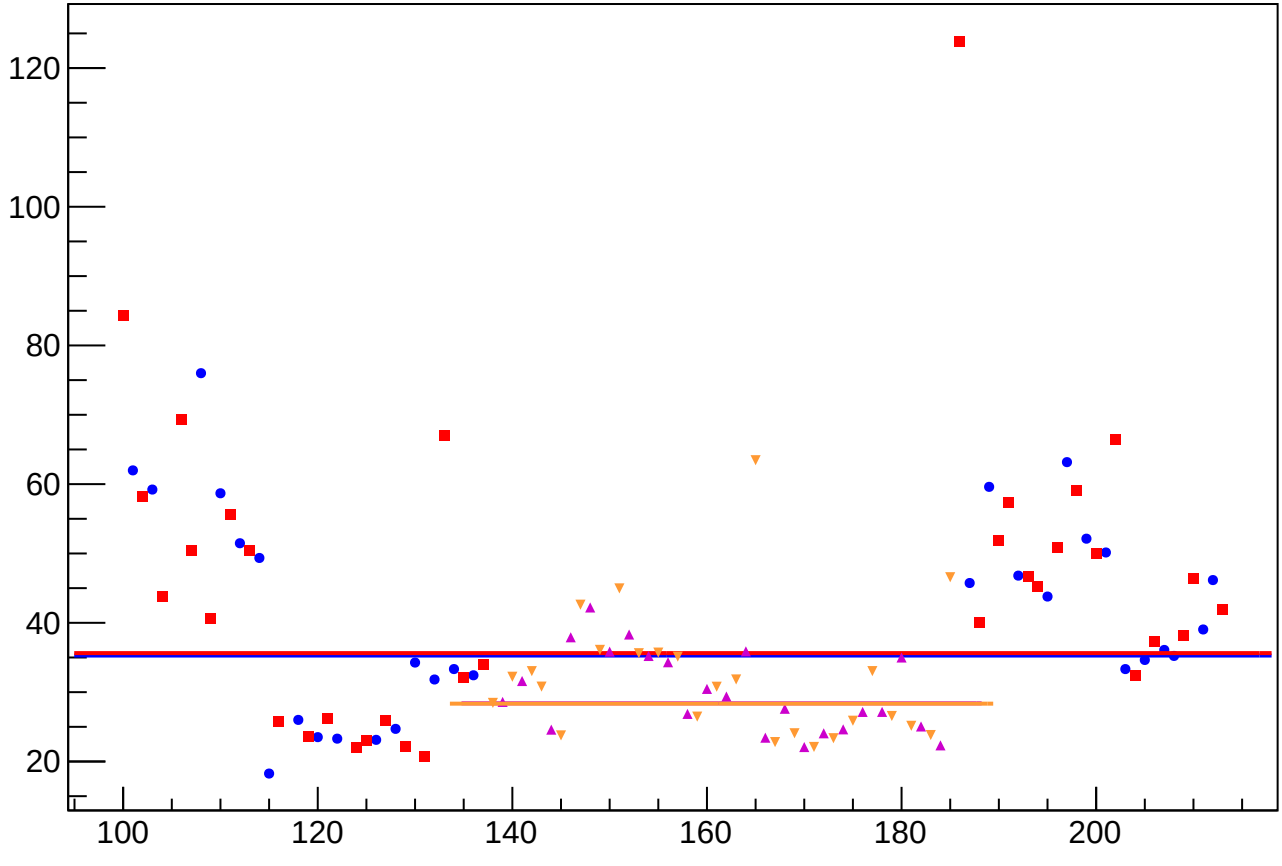
Right: 0.005+/-0.006 χ^2/NDF: 87.9/62

In: -0.004+/-0.005 χ^2/NDF:49.3/51

Out: -0.009+/-0.005 χ^2/NDF:102.1/58

All: -0.006+/-0.004 χ^2/NDF: 151.8/110

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.282+/-0.006 χ^2/NDF: 3140785.6/28

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

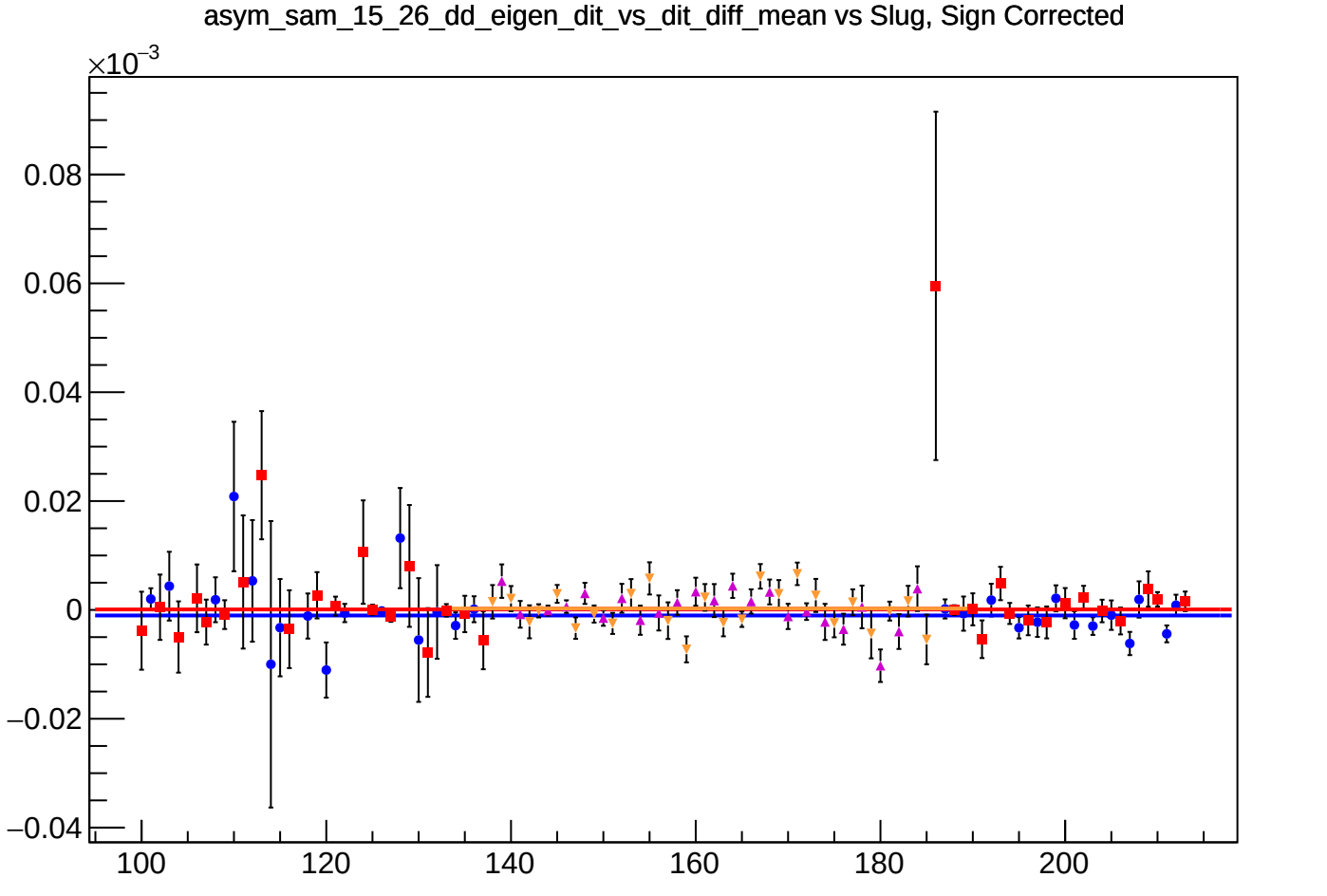
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 35.461+/-0.004 χ^2/NDF: 7264478.0/62

In: 30.885+/-0.004 χ^2/NDF:4970530.6/51

Out: 30.968+/-0.004 χ^2/NDF:6716586.2/58

All: 30.928+/-0.003 χ^2/NDF: 11687355.5/110



Right In: -0.000+/-0.000 χ^2/NDF: 33.7/28

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

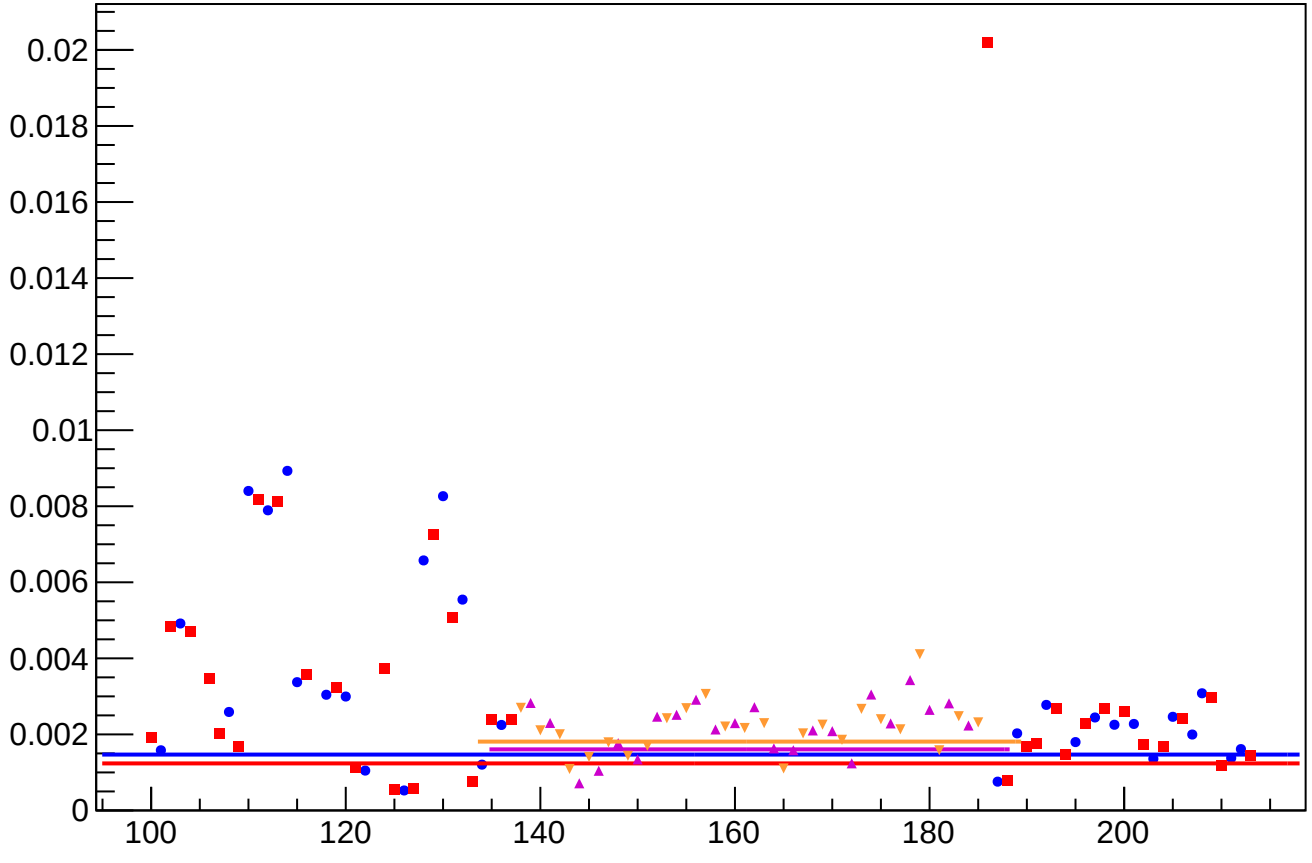
Right: -0.000+/-0.000 χ^2/NDF: 65.4/62

In: -0.000+/-0.000 χ^2/NDF:71.4/51

Out: 0.000+/-0.000 χ^2/NDF:78.7/58

All: -0.000+/-0.000 χ^2/NDF: 151.7/110

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9761515.0/28

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11656266.0/33

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

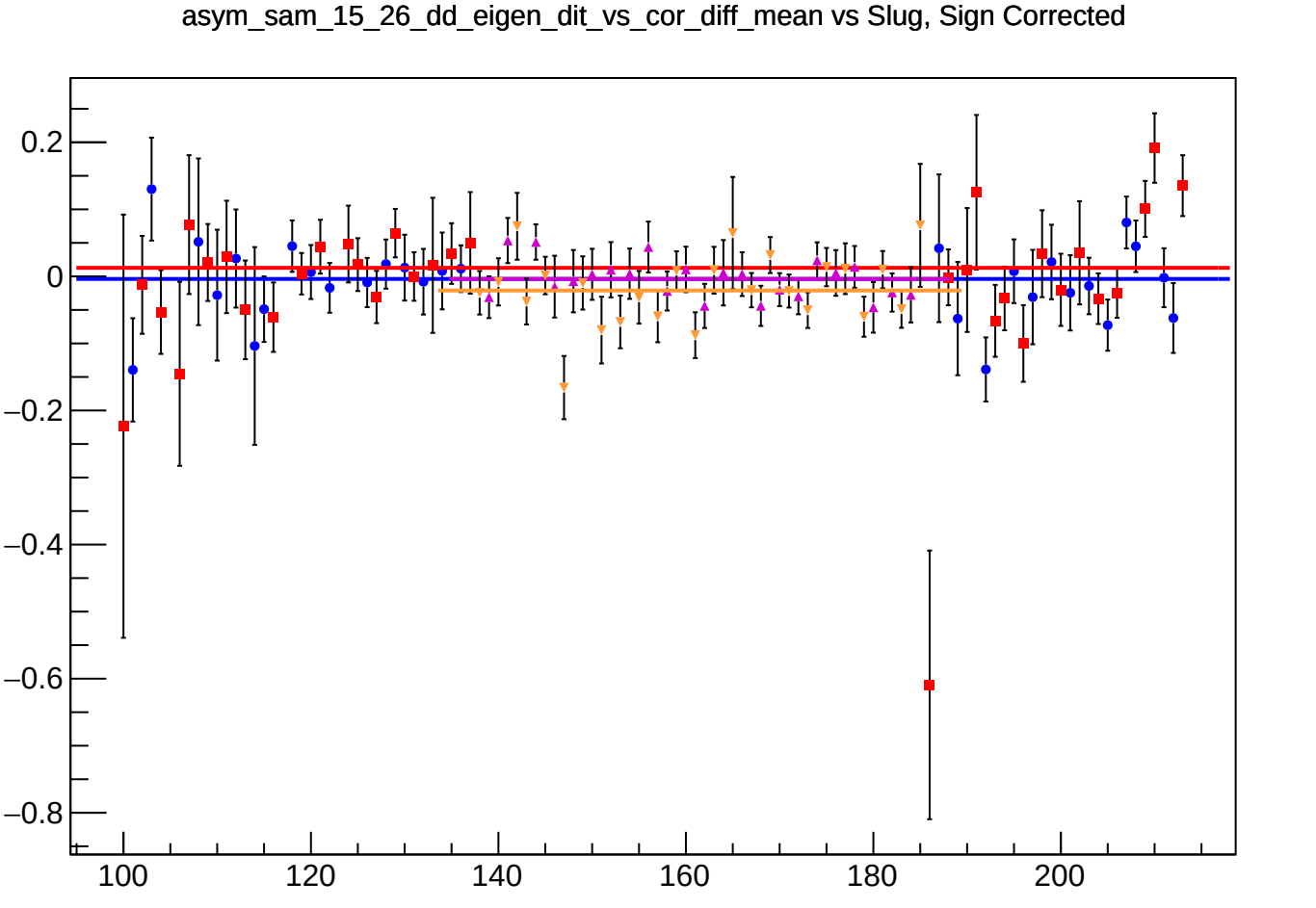
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 21757092.4/62

In: 0.002+/-0.000 χ^2/NDF:15899035.2/51

Out: 0.001+/-0.000 χ^2/NDF:17128723.5/58

All: 0.002+/-0.000 χ^2/NDF: 33076431.7/110



Right In: -0.004+/-0.009 χ^2/NDF: 30.6/28

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

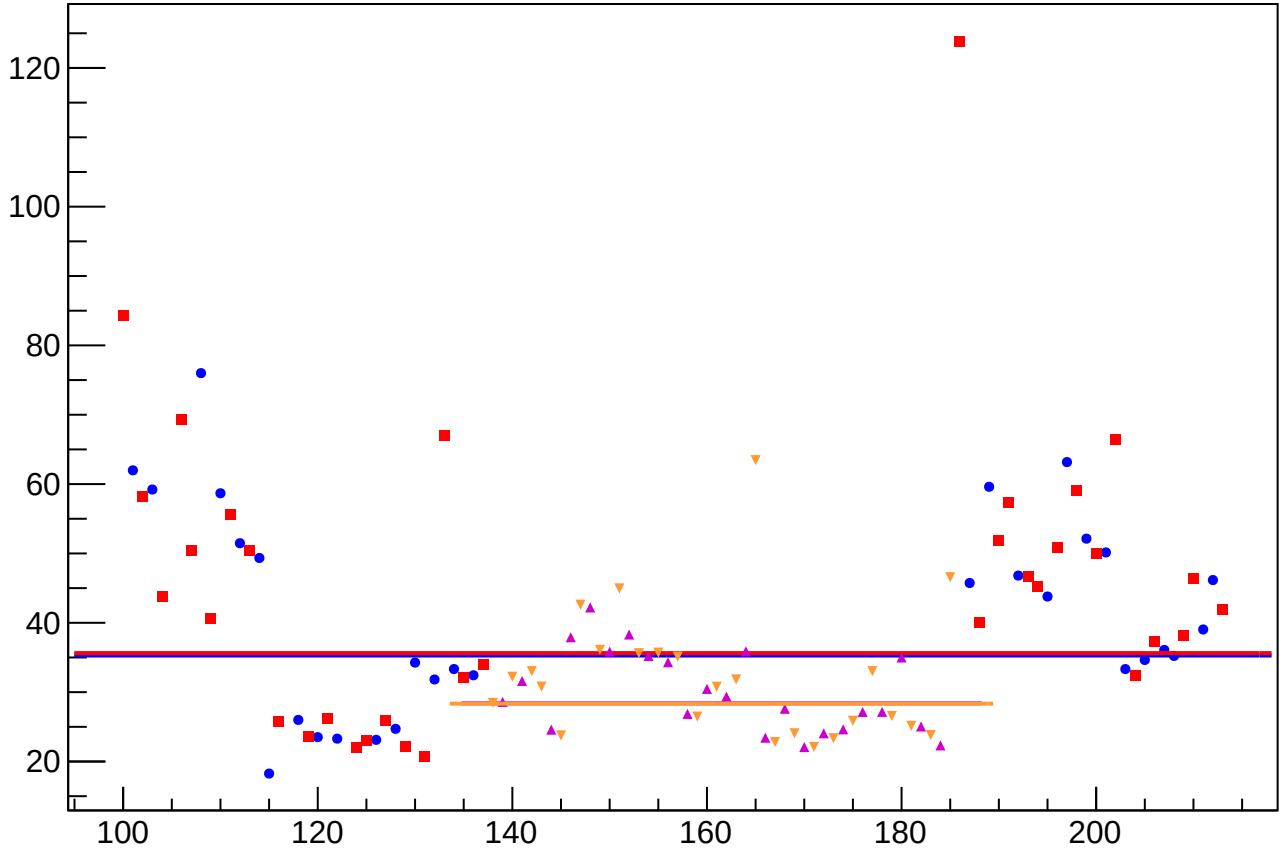
Right: 0.005+/-0.006 χ^2/NDF: 87.9/62

In: -0.004+/-0.005 χ^2/NDF:49.3/51

Out: -0.009+/-0.005 χ^2/NDF:102.1/58

All: -0.006+/-0.004 χ^2/NDF: 151.8/110

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.282+/-0.006 χ^2/NDF: 3140662.4/28

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

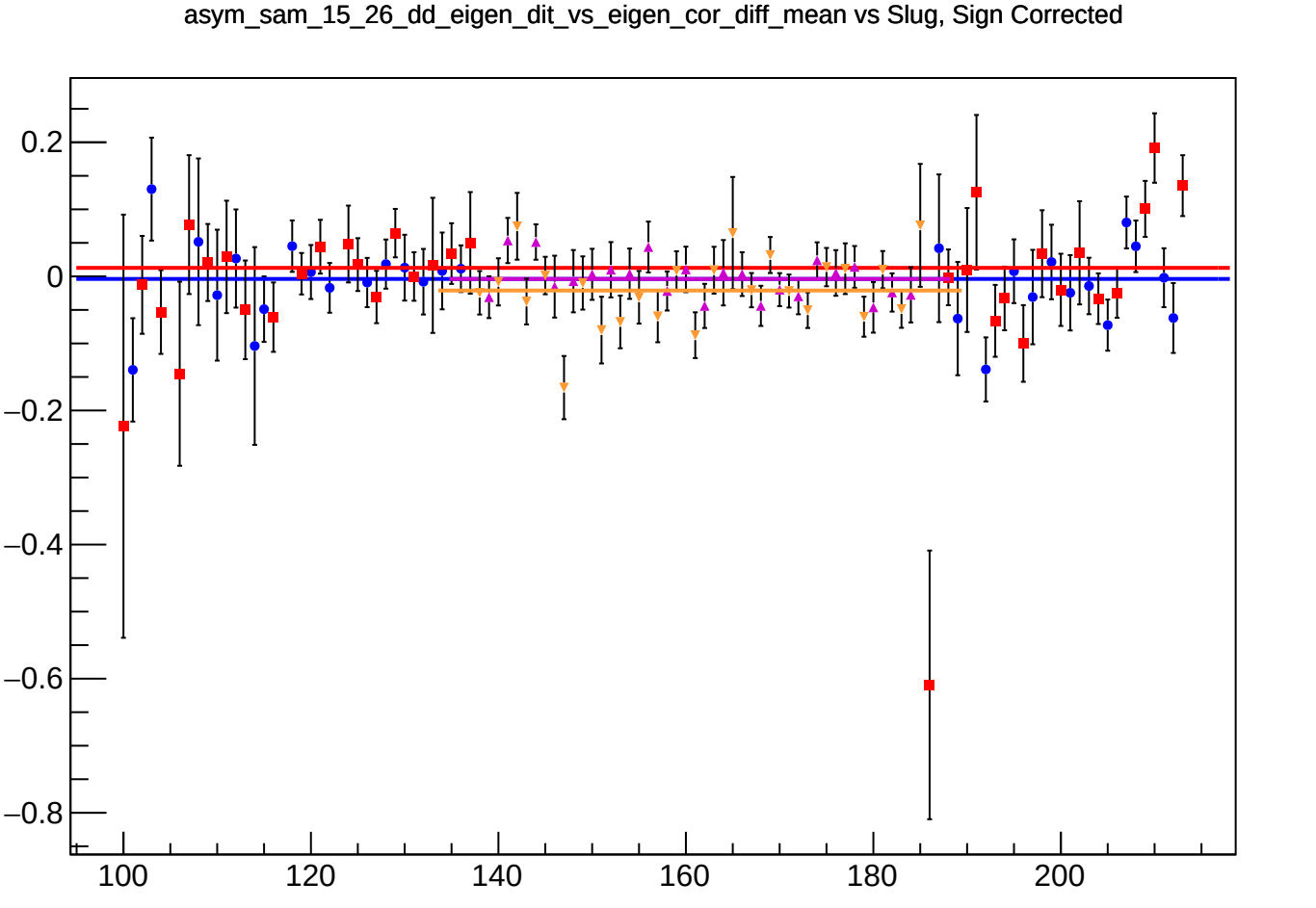
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 35.461+/-0.004 χ^2/NDF: 7264477.7/62

In: 30.885+/-0.004 χ^2/NDF:4970350.3/51

Out: 30.968+/-0.004 χ^2/NDF:6716601.3/58

All: 30.928+/-0.003 χ^2/NDF: 11687188.8/110



Right In: -0.004+/-0.009 χ^2/NDF: 30.6/28

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

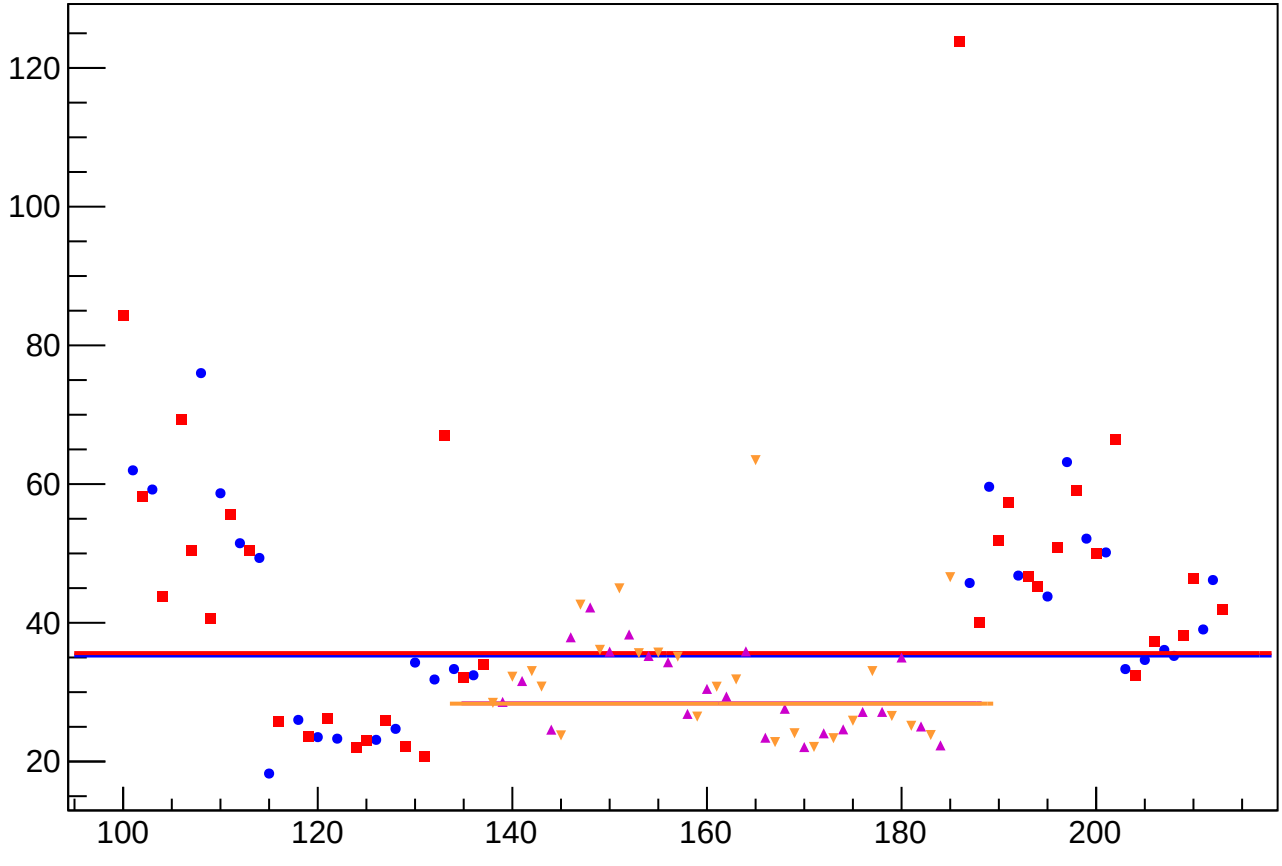
Right: 0.005+/-0.006 χ^2/NDF: 87.9/62

In: -0.004+/-0.005 χ^2/NDF:49.3/51

Out: -0.009+/-0.005 χ^2/NDF:102.1/58

All: -0.006+/-0.004 χ^2/NDF: 151.8/110

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.282+/-0.006 χ^2/NDF: 3140662.4/28

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

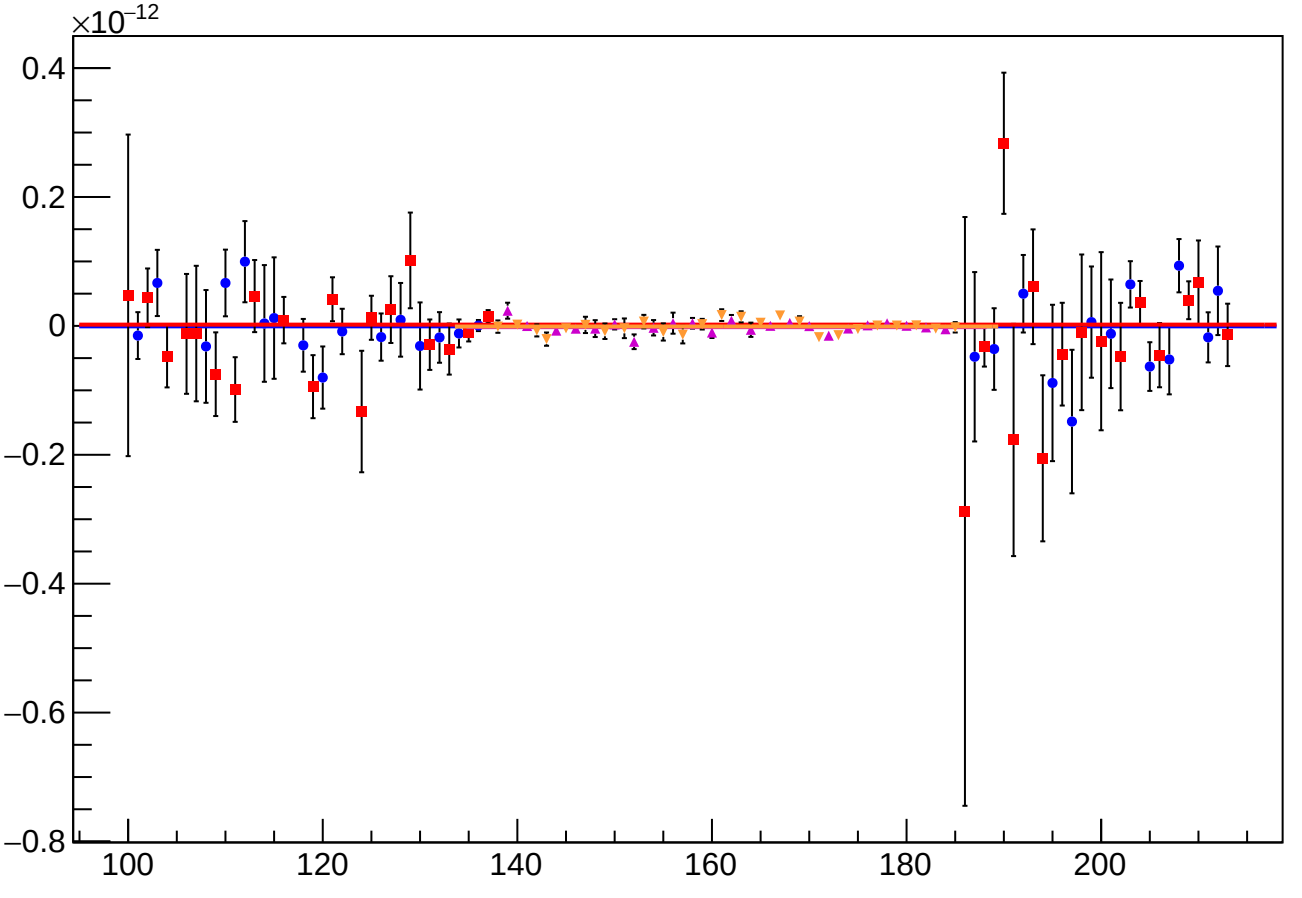
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 35.461+/-0.004 χ^2/NDF: 7264477.7/62

In: 30.885+/-0.004 χ^2/NDF:4970350.3/51

Out: 30.968+/-0.004 χ^2/NDF:6716601.3/58

All: 30.928+/-0.003 χ^2/NDF: 11687188.8/110



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/28

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

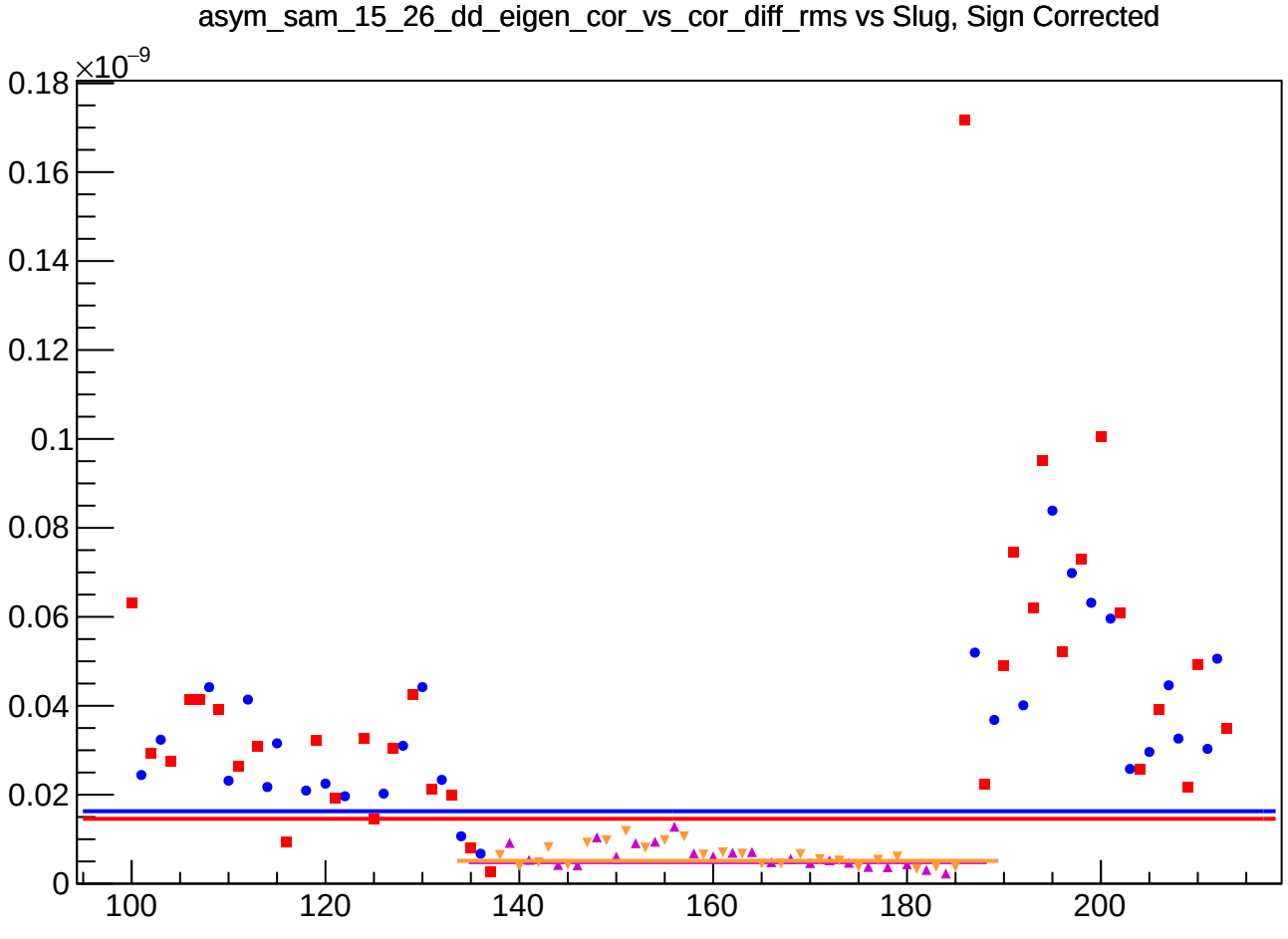
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 66.0/62

In: -0.000+/-0.000 χ^2/NDF:46.4/51

Out: -0.000+/-0.000 χ^2/NDF:73.4/58

All: -0.000+/-0.000 χ^2/NDF: 120.1/110



Right In: 0.000+/-0.000 χ^2/NDF: 9029466.5/28

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

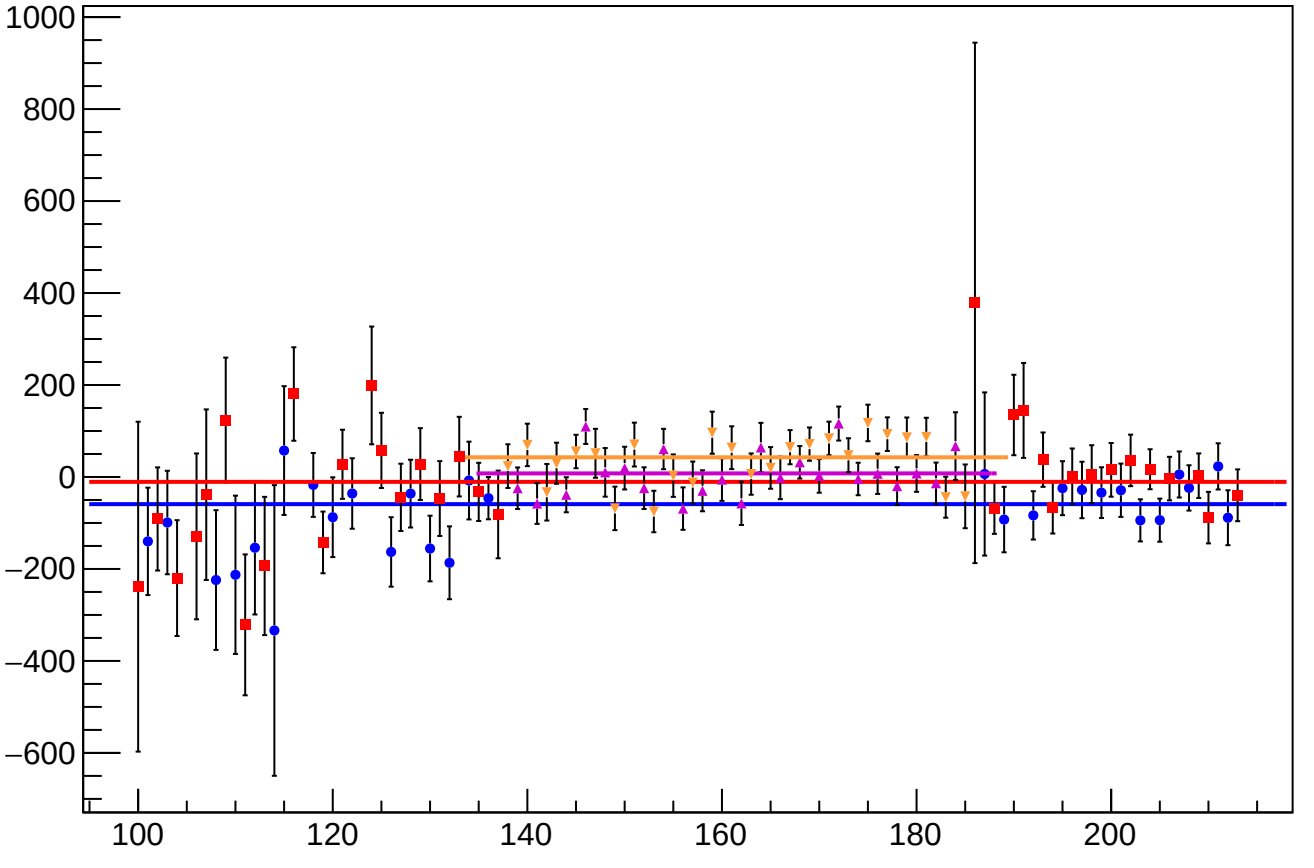
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 20791777.2/62

In: 0.000+/-0.000 χ^2/NDF:18496160.7/51

Out: 0.000+/-0.000 χ^2/NDF:19339145.8/58

All: 0.000+/-0.000 χ^2/NDF: 37865980.6/110



Right In: -59.055+/-12.530 χ^2/NDF: 19.8/28

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

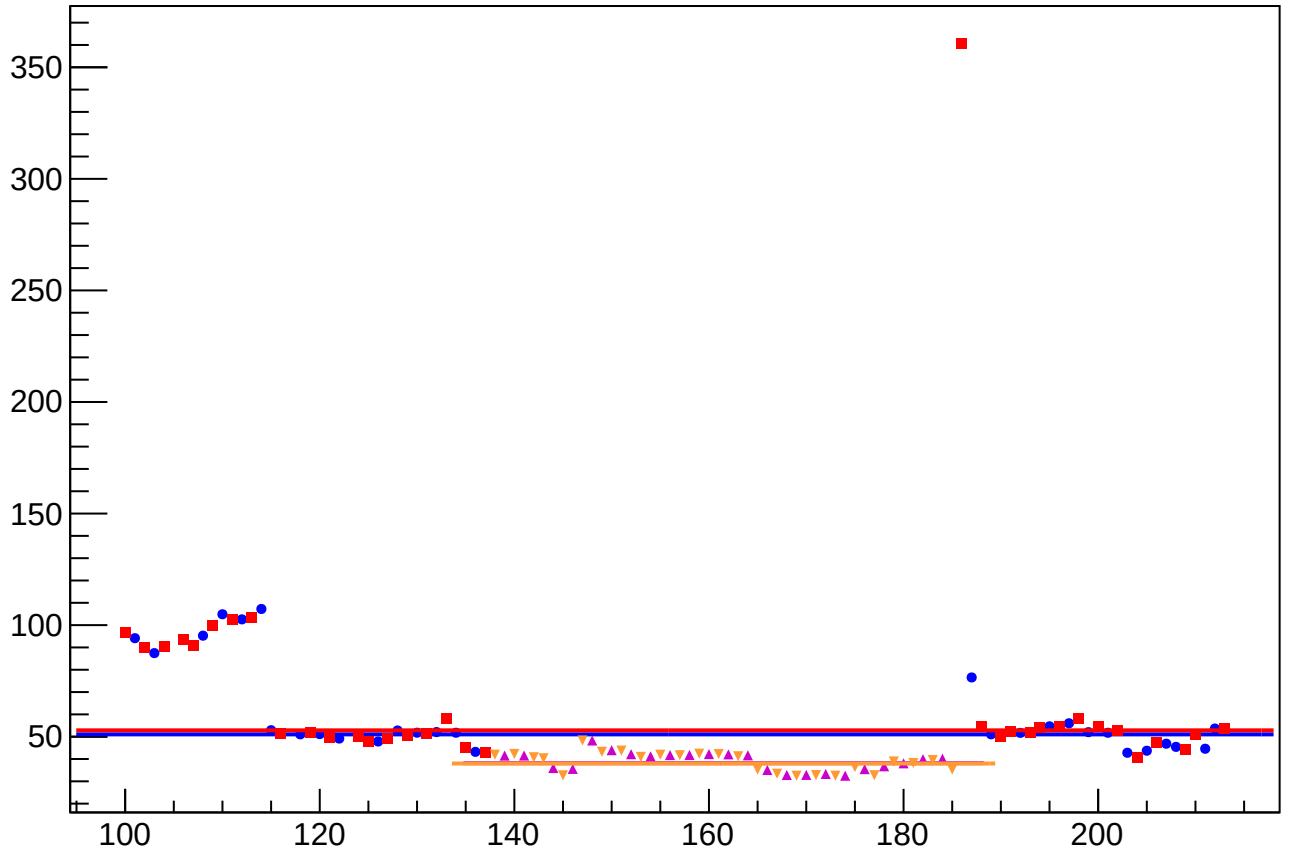
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -34.823+/-8.858 χ^2/NDF: 62.6/62

In: -14.878+/-7.296 χ^2/NDF:69.2/51

Out: 25.396+/-7.144 χ^2/NDF:82.4/58

All: 5.683+/-5.105 χ^2/NDF: 167.1/110



Right In: 51.035+/-0.009 χ^2/NDF: 1481360.5/28

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

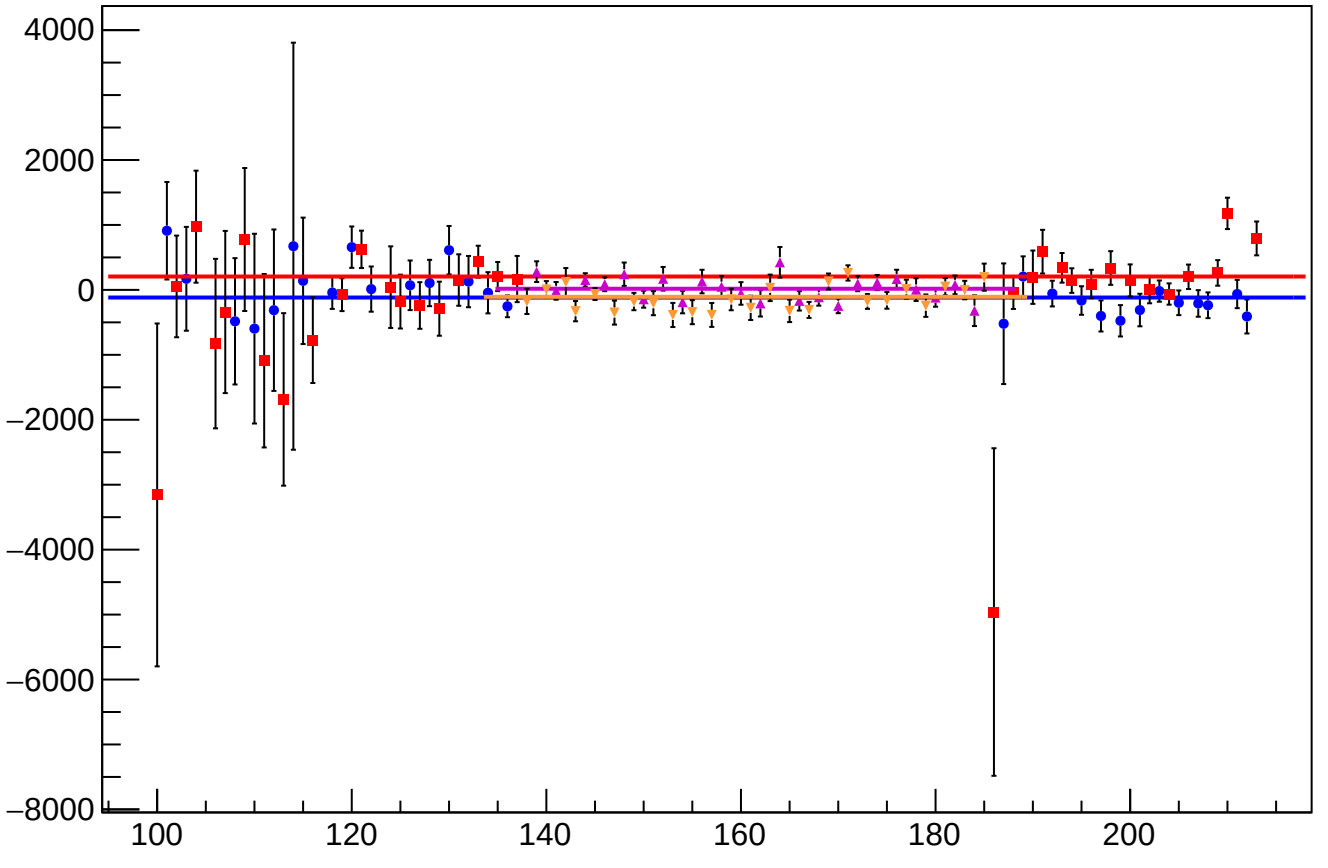
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.941+/-0.006 χ^2/NDF: 3740698.9/62

In: 42.507+/-0.005 χ^2/NDF:3311188.4/51

Out: 42.824+/-0.005 χ^2/NDF:4650581.5/58

All: 42.669+/-0.004 χ^2/NDF: 7963694.8/110



Right In: -117.623+/-51.807 χ^2/NDF: 22.1/28

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

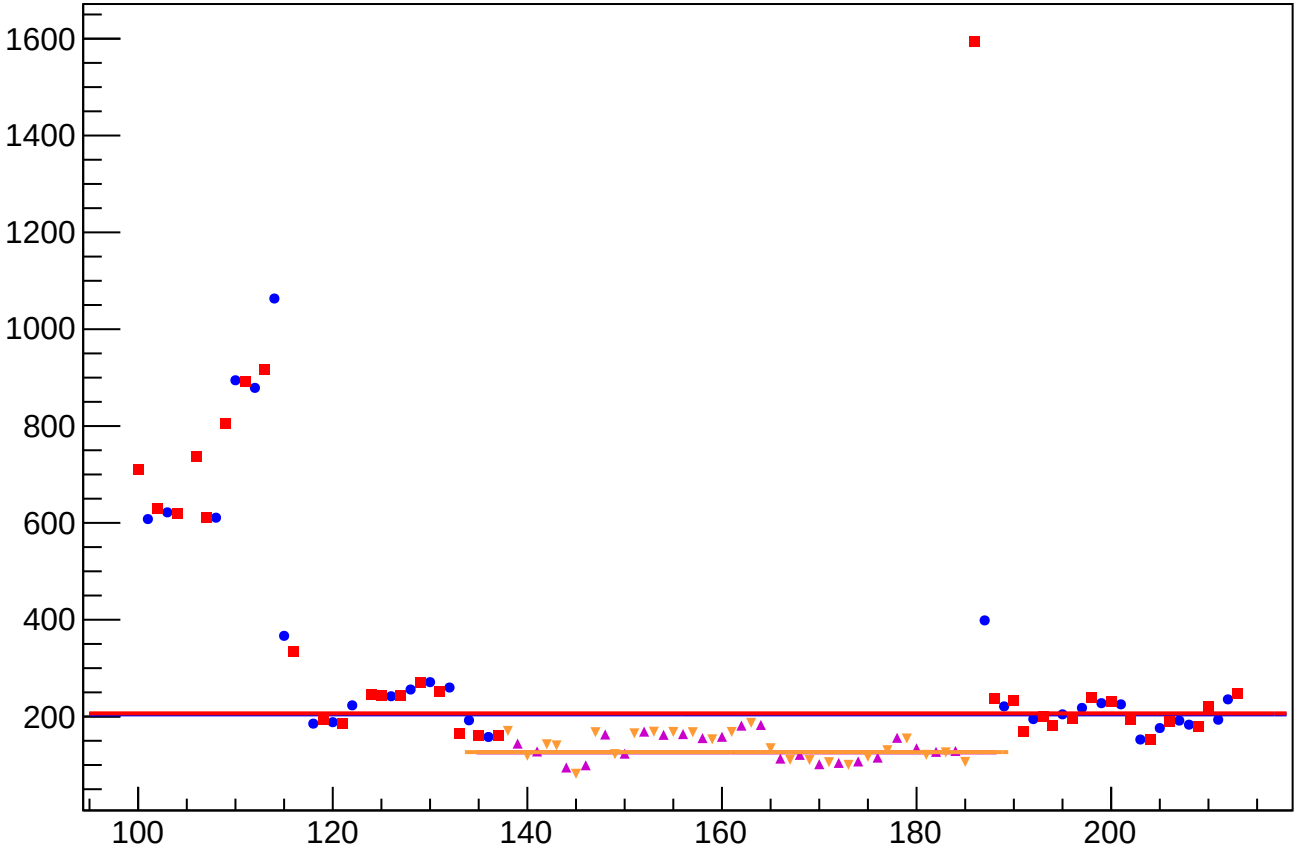
Right: 46.976+/-36.307 χ^2/NDF: 91.4/62

In: -16.733+/-26.081 χ^2/NDF:55.4/51

Out: -27.709+/-25.564 χ^2/NDF:115.2/58

All: -22.331+/-18.256 χ^2/NDF: 170.8/110

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 204.486+/-0.037 χ^2/NDF: 3501191.8/28

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 206.637+/-0.036 χ^2/NDF: 4827414.4/33

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

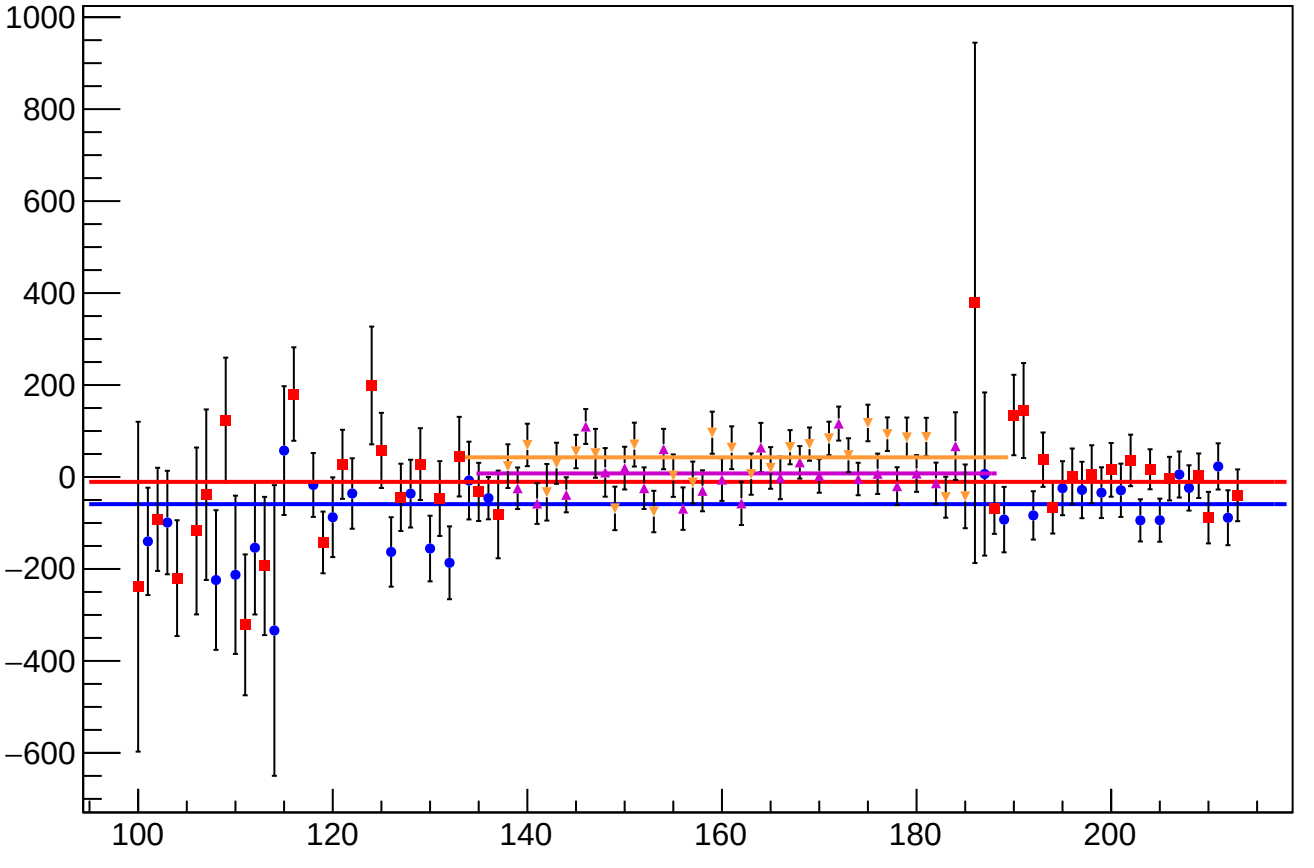
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 205.581+/-0.026 χ^2/NDF: 8330360.5/62

In: 145.902+/-0.018 χ^2/NDF:8337586.5/51

Out: 146.762+/-0.018 χ^2/NDF:10287360.3/58

All: 146.341+/-0.013 χ^2/NDF: 18626057.5/1



Right In: -59.052+/-12.530 χ^2/NDF: 19.8/28

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

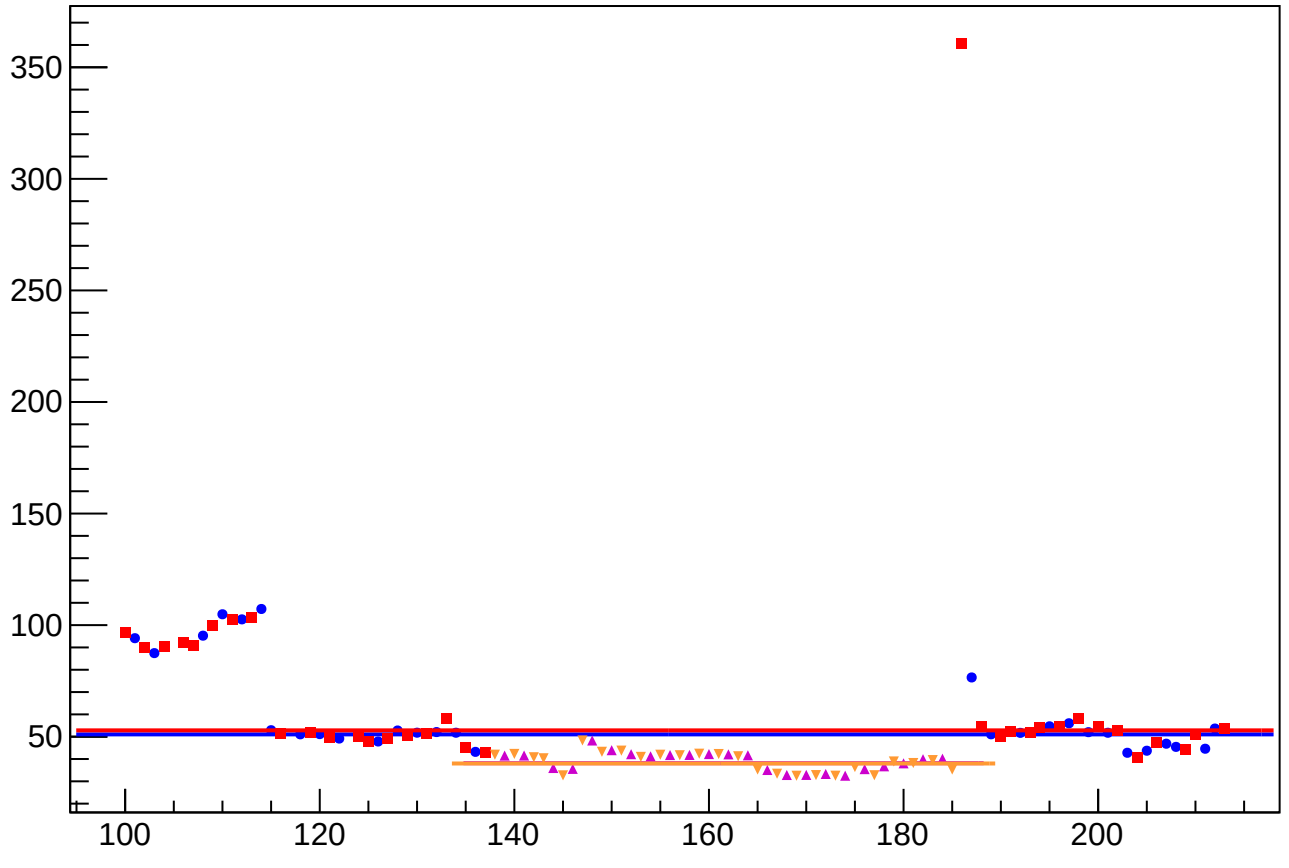
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -34.796+/-8.858 χ^2/NDF: 62.5/62

In: -14.876+/-7.296 χ^2/NDF:69.2/51

Out: 25.415+/-7.144 χ^2/NDF:82.3/58

All: 5.693+/-5.105 χ^2/NDF: 167.0/110



Right In: 51.035+/-0.009 χ^2/NDF: 1481360.8/28

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

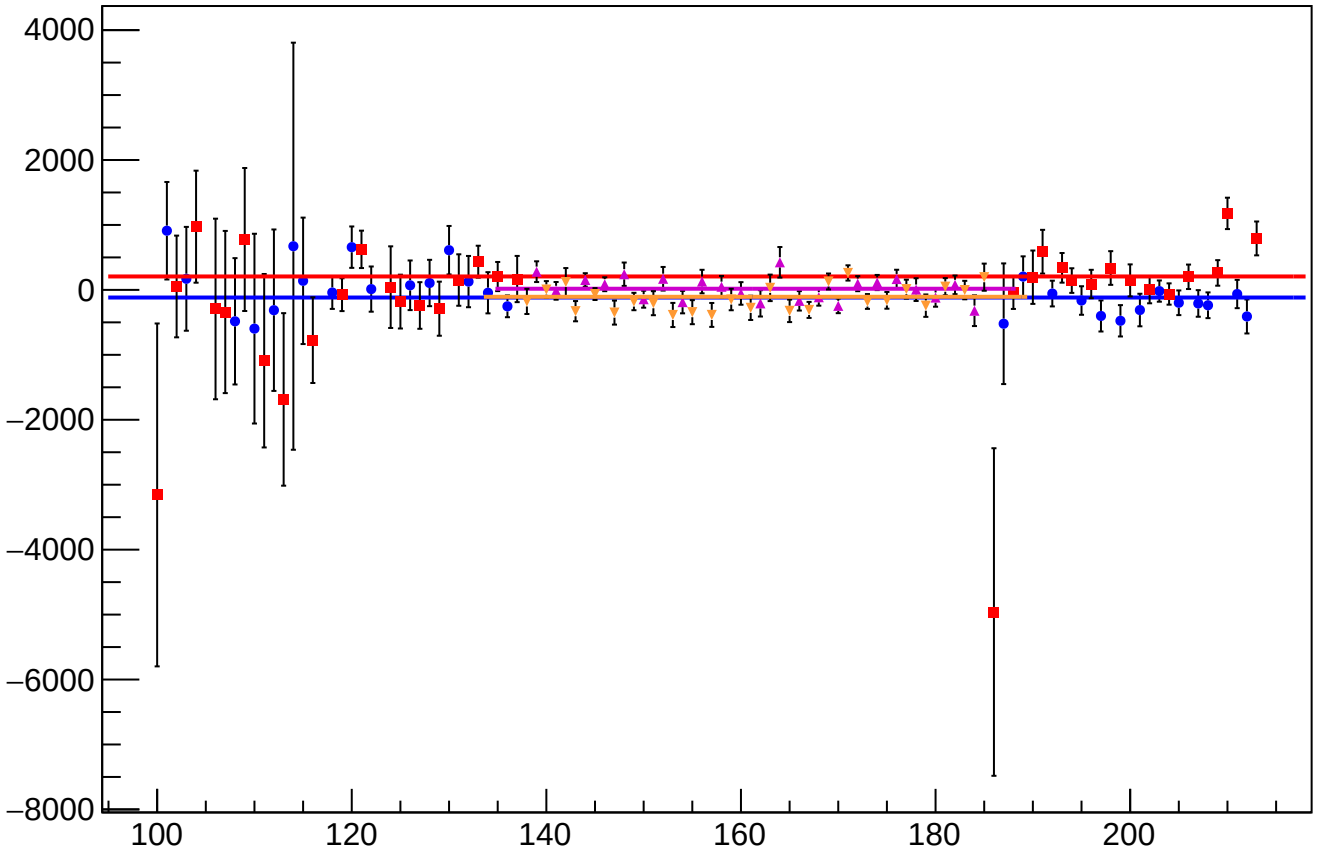
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.936+/-0.006 χ^2/NDF: 3731949.3/62

In: 42.507+/-0.005 χ^2/NDF:3311188.6/51

Out: 42.821+/-0.005 χ^2/NDF:4639523.7/58

All: 42.667+/-0.004 χ^2/NDF: 7952596.9/110



Right In: -117.621+/-51.807 χ^2/NDF: 22.1/28

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

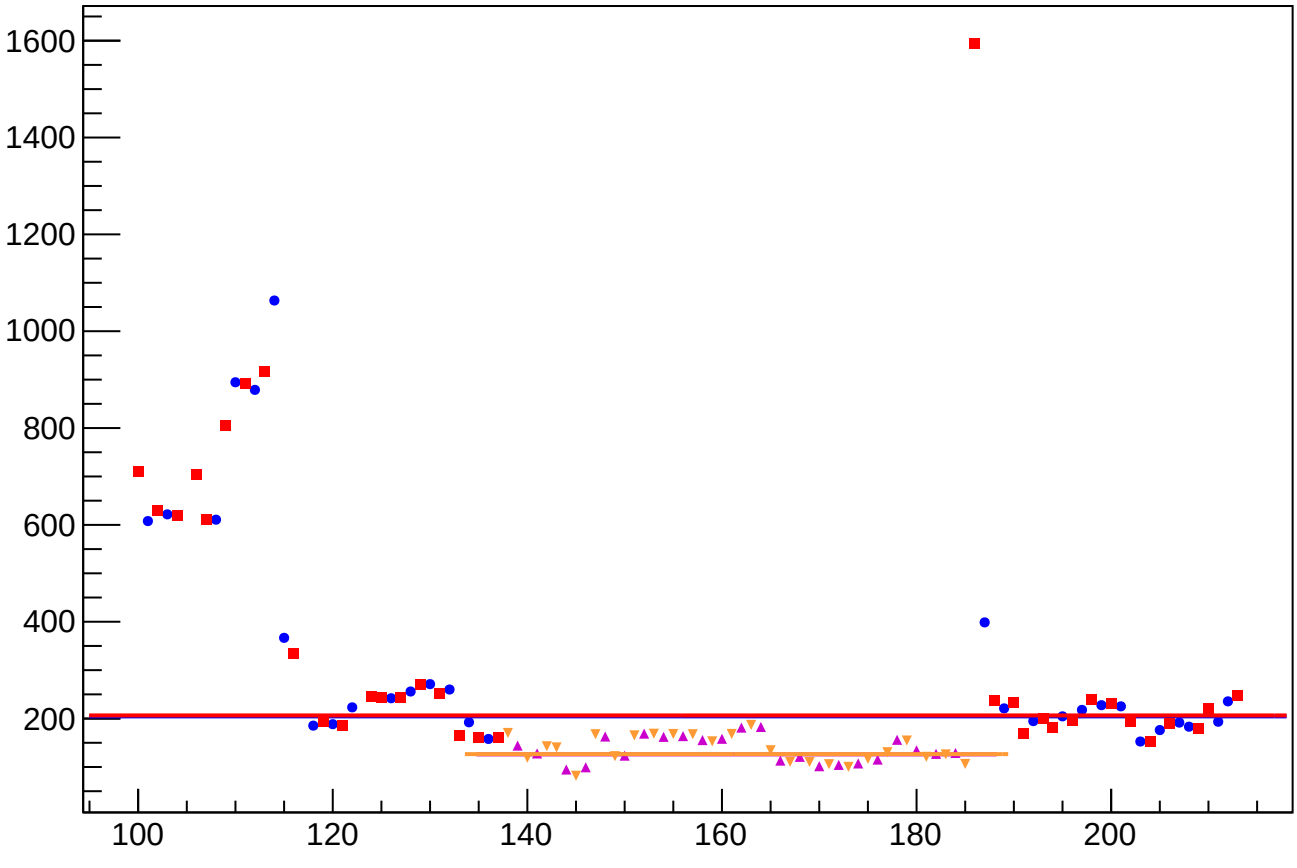
Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

Right: 47.417+/-36.308 χ^2/NDF: 91.0/62

In: -16.732+/-26.081 χ^2/NDF:55.4/51

Out: -27.494+/-25.564 χ^2/NDF:114.9/58

All: -22.221+/-18.257 χ^2/NDF: 170.4/110



Right In: 204.486+/-0.037 χ^2/NDF: 3501200.8/28

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

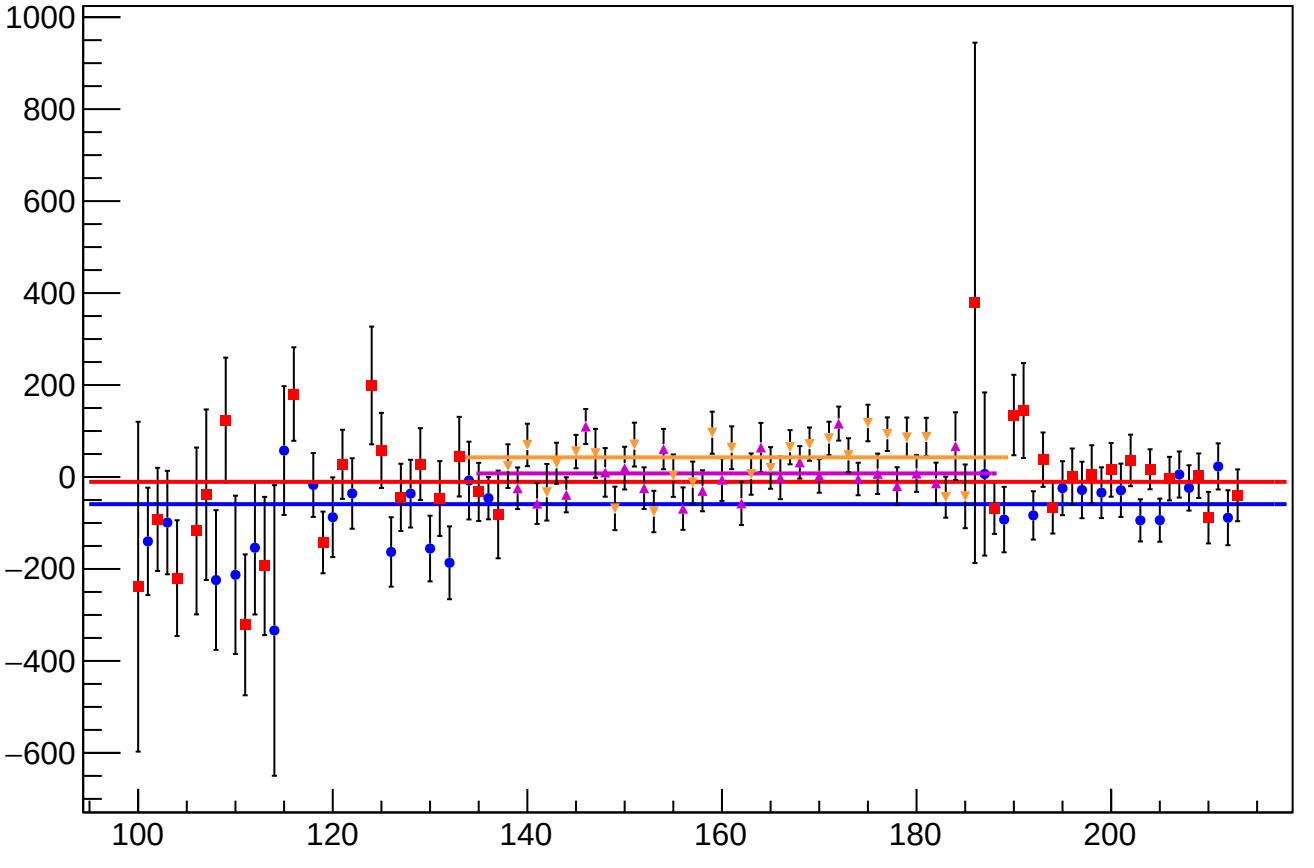
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 205.510+/-0.026 χ^2/NDF: 8257093.7/62

In: 145.902+/-0.018 χ^2/NDF:8337608.8/51

Out: 146.724+/-0.018 χ^2/NDF:10200929.5/58

All: 146.321+/-0.013 χ^2/NDF: 18539553.7/1



Right In: -59.052+/-12.530 χ^2/NDF: 19.8/28

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

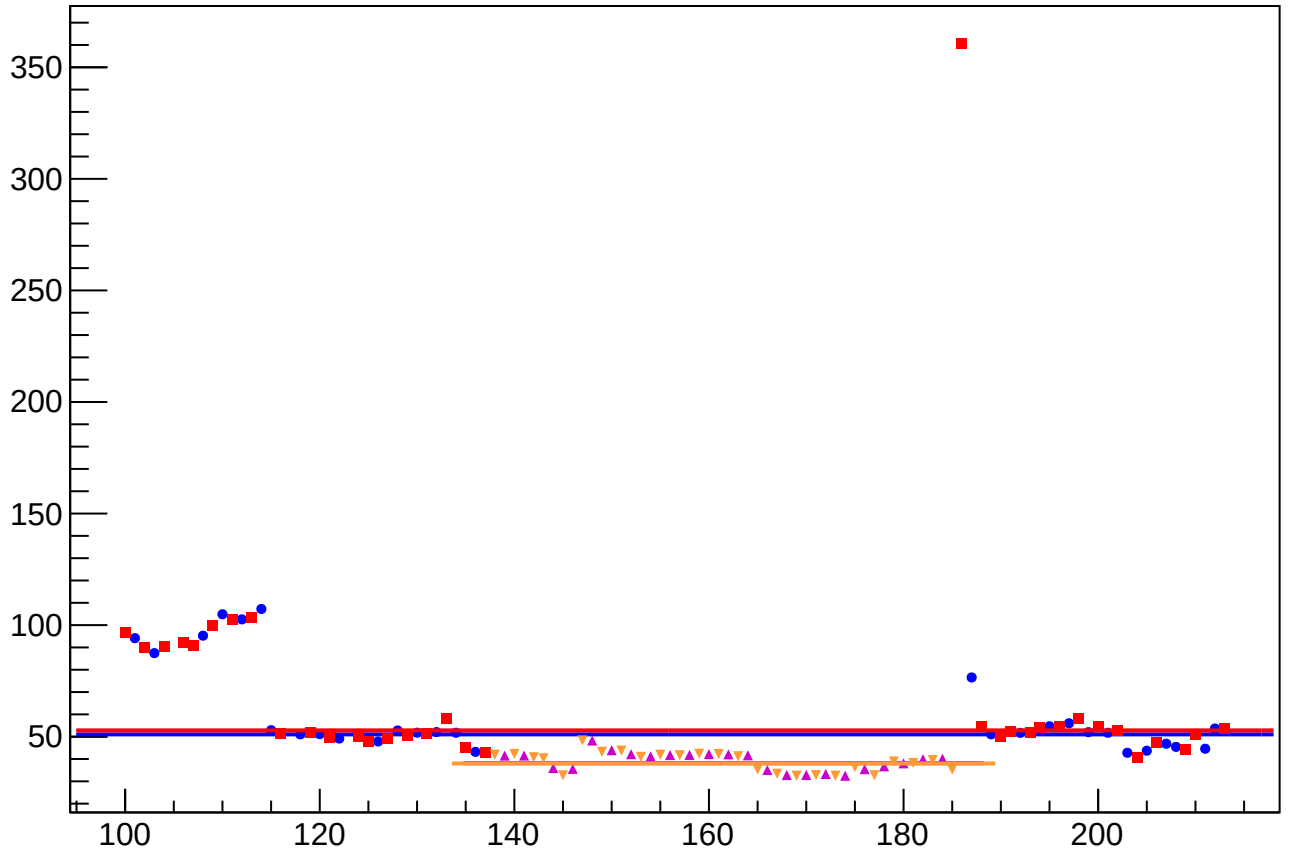
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -34.796+/-8.858 χ^2/NDF: 62.5/62

In: -14.876+/-7.296 χ^2/NDF:69.2/51

Out: 25.415+/-7.144 χ^2/NDF:82.3/58

All: 5.693+/-5.105 χ^2/NDF: 167.0/110



Right In: 51.035+/-0.009 χ^2/NDF: 1481360.8/28

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

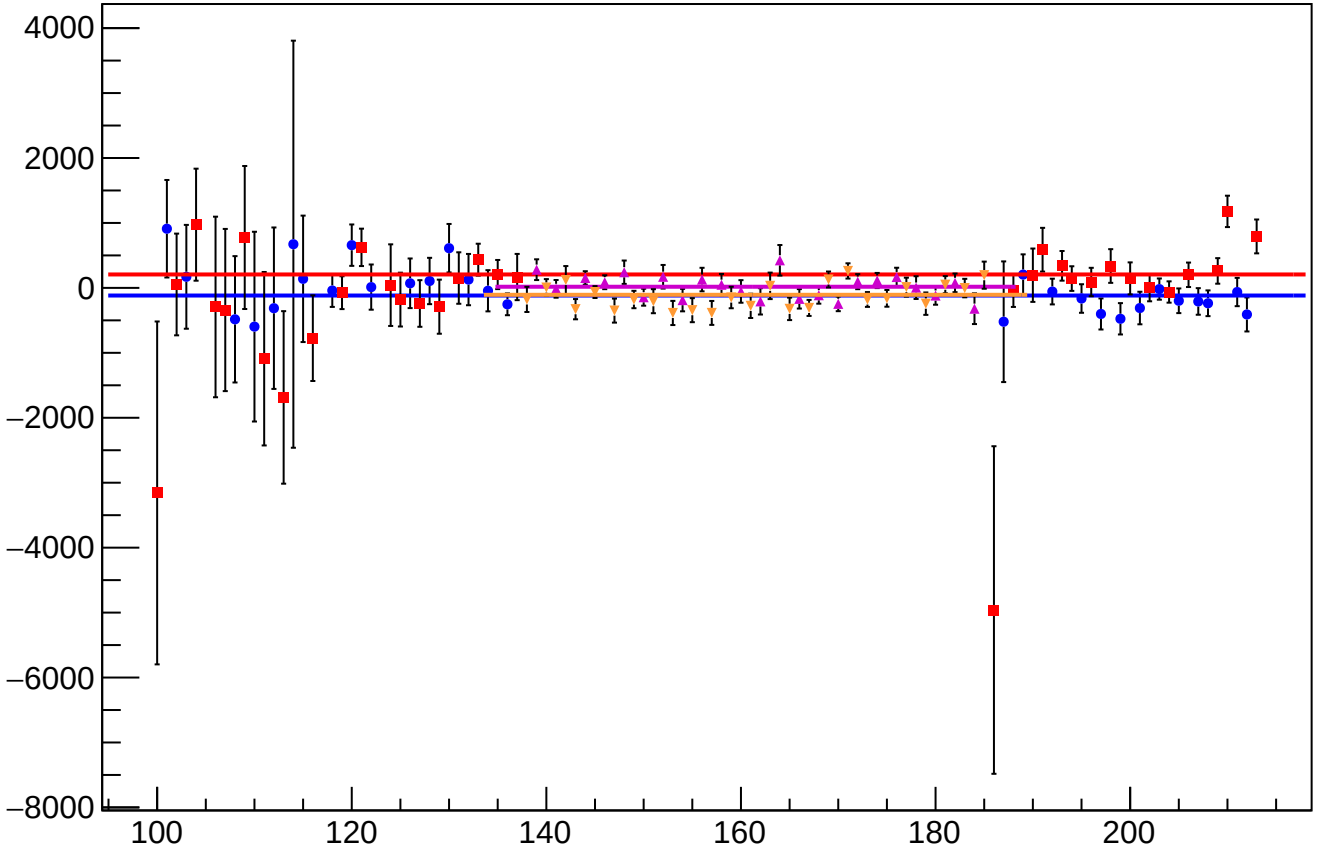
Right: 51.936+/-0.006 χ^2/NDF: 3731949.3/62

In: 42.507+/-0.005 χ^2/NDF:3311188.6/51

Out: 42.821+/-0.005 χ^2/NDF:4639523.7/58

All: 42.667+/-0.004 χ^2/NDF: 7952596.9/110

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -117.621+/-51.807 χ^2/NDF: 22.1/28

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

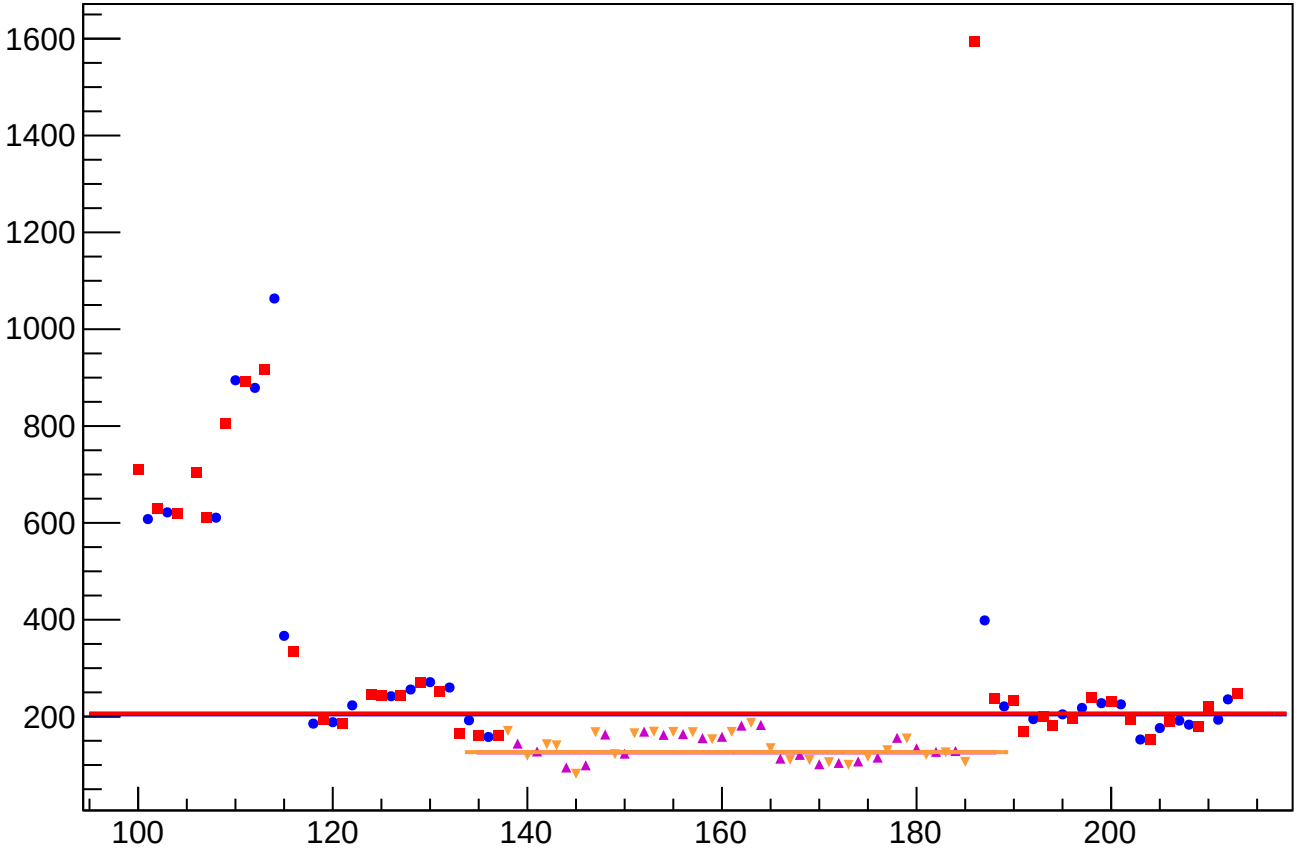
Right: 47.417+/-36.308 χ^2/NDF: 91.0/62

In: -16.732+/-26.081 χ^2/NDF:55.4/51

Out: -27.494+/-25.564 χ^2/NDF:114.9/58

All: -22.221+/-18.257 χ^2/NDF: 170.4/110

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 204.486+/-0.037 χ^2/NDF: 3501200.8/28

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

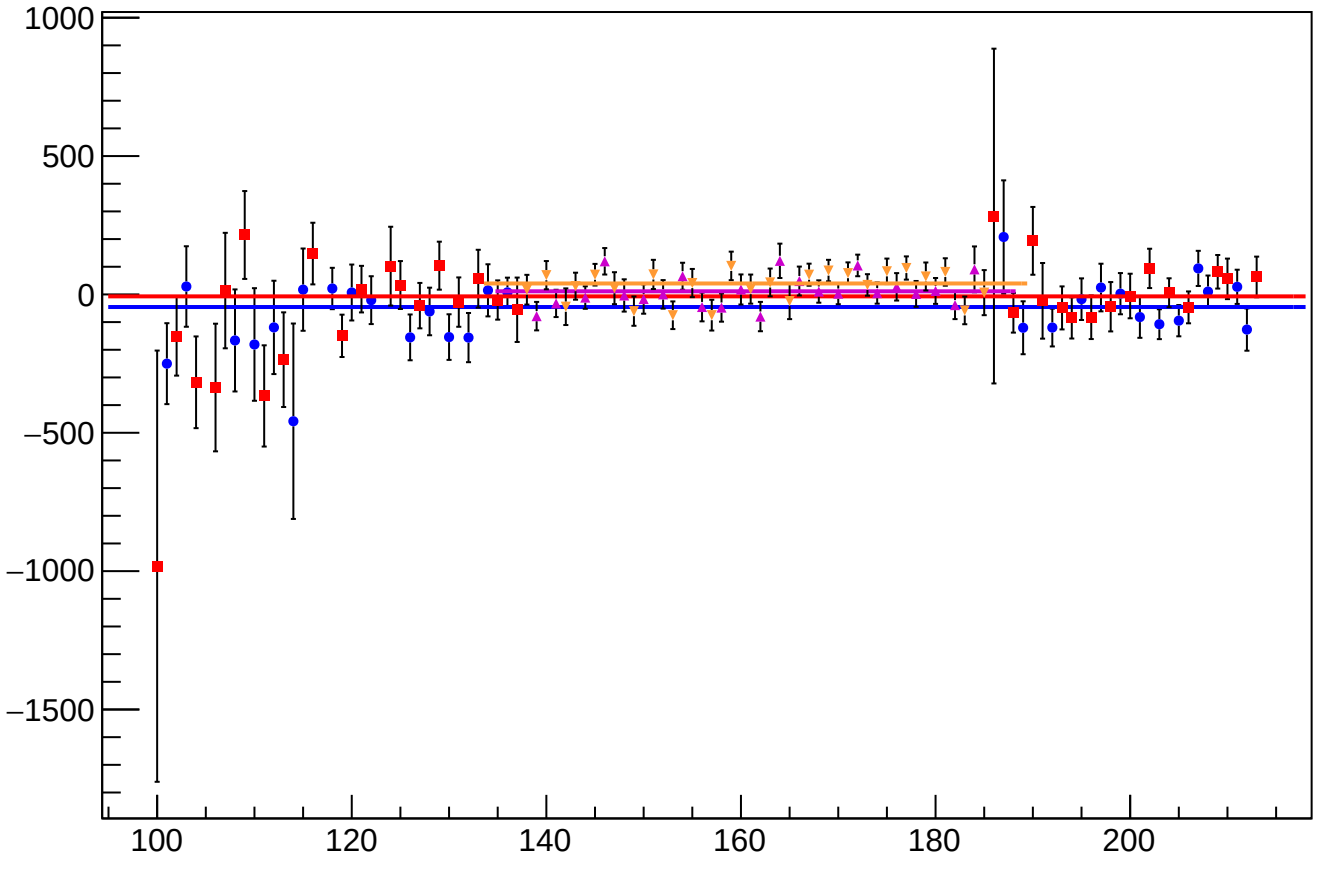
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 205.510+/-0.026 χ^2/NDF: 8257093.7/62

In: 145.902+/-0.018 χ^2/NDF:8337608.8/51

Out: 146.724+/-0.018 χ^2/NDF:10200929.5/58

All: 146.321+/-0.013 χ^2/NDF: 18539553.7/1



Right In: -45.523+/-15.218 χ^2/NDF: 27.6/28

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

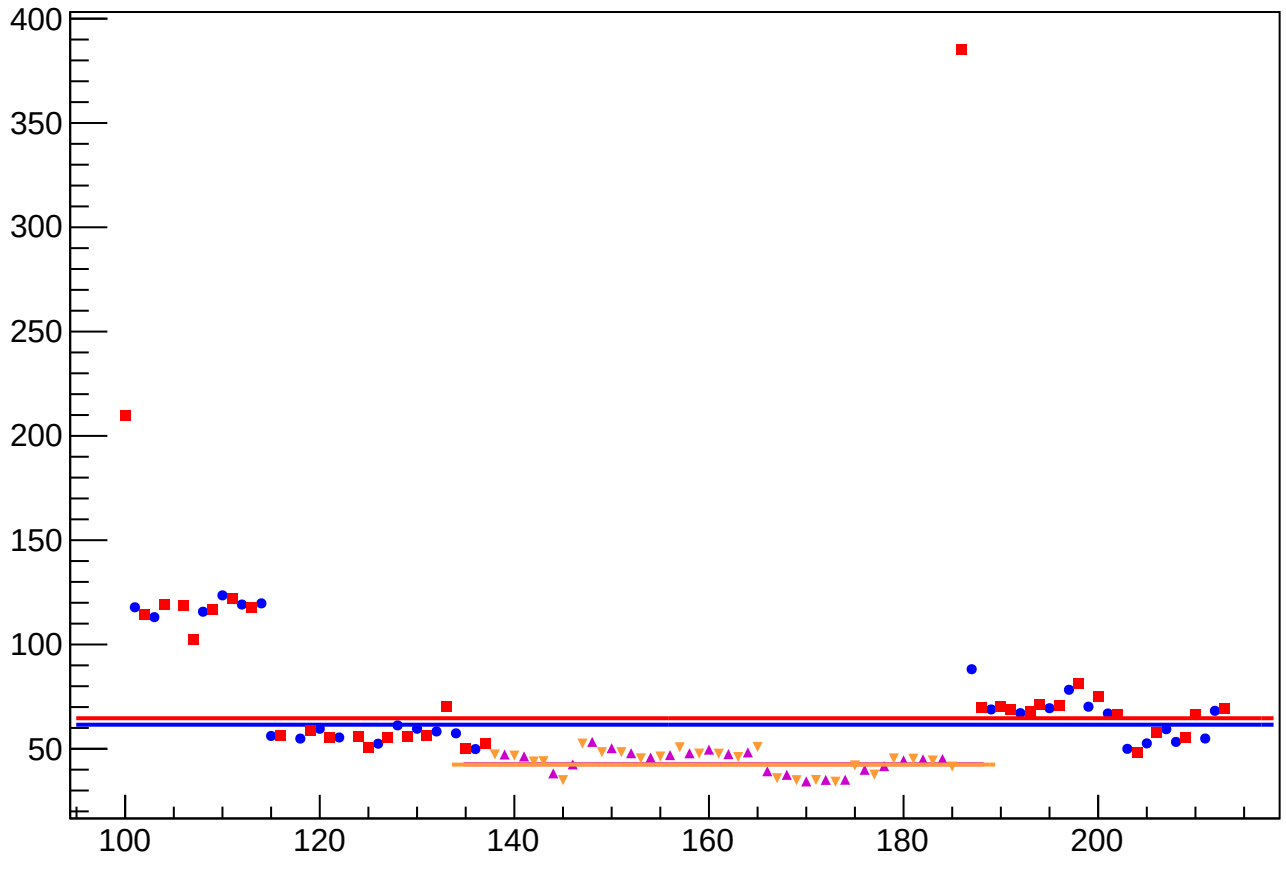
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -26.567+/-10.839 χ^2/NDF: 67.7/62

In: -6.018+/-8.402 χ^2/NDF:65.2/51

Out: 26.290+/-8.242 χ^2/NDF:73.1/58

All: 10.448+/-5.884 χ^2/NDF: 145.8/110



Right In: 61.547+/-0.011 χ^2/NDF: 1767440.9/28

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

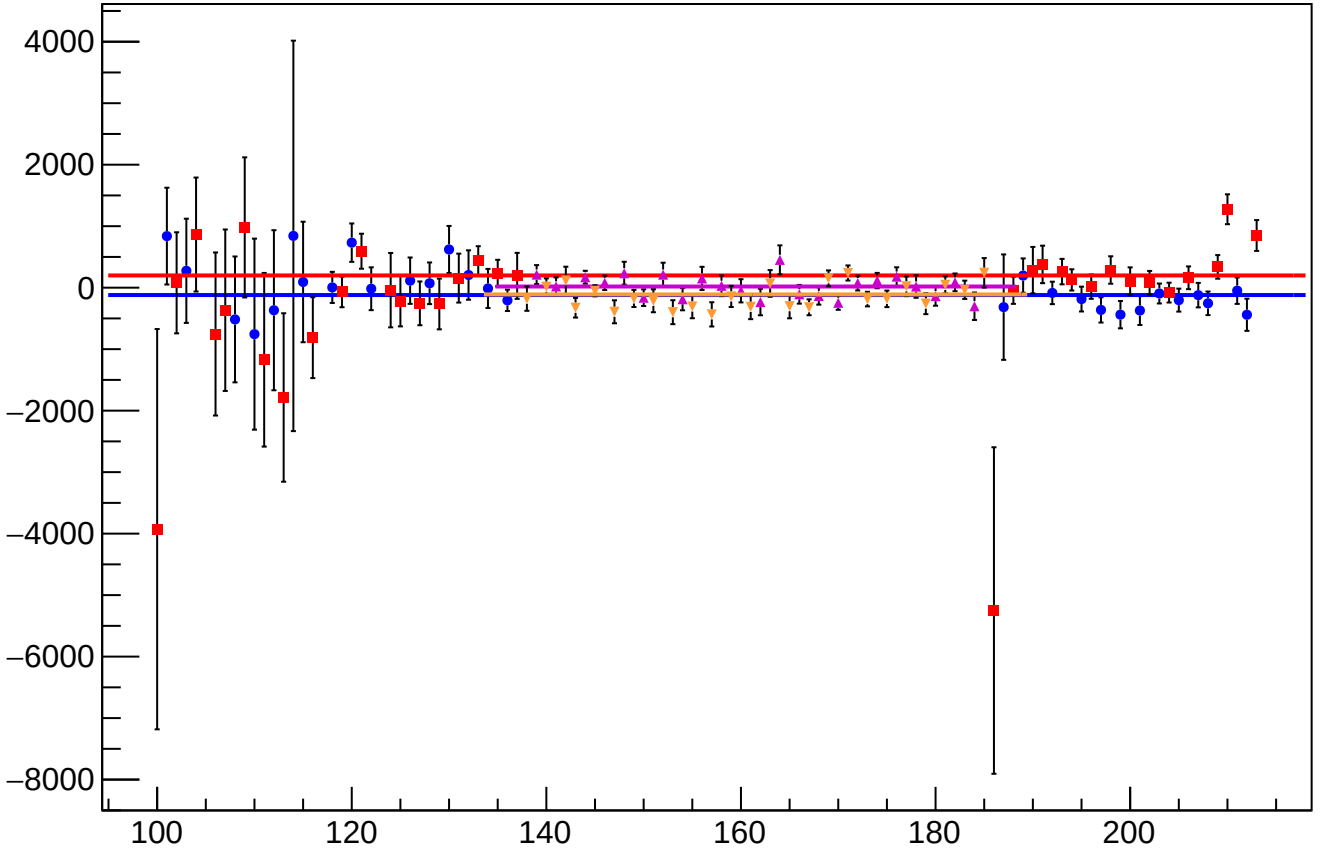
Right: 63.074+/-0.008 χ^2/NDF: 4392477.7/62

In: 48.361+/-0.006 χ^2/NDF:4517436.9/51

Out: 48.755+/-0.006 χ^2/NDF:6244407.0/58

All: 48.562+/-0.004 χ^2/NDF: 10764078.7/110

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -119.963+/-50.116 χ^2/NDF: 23.8/28

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

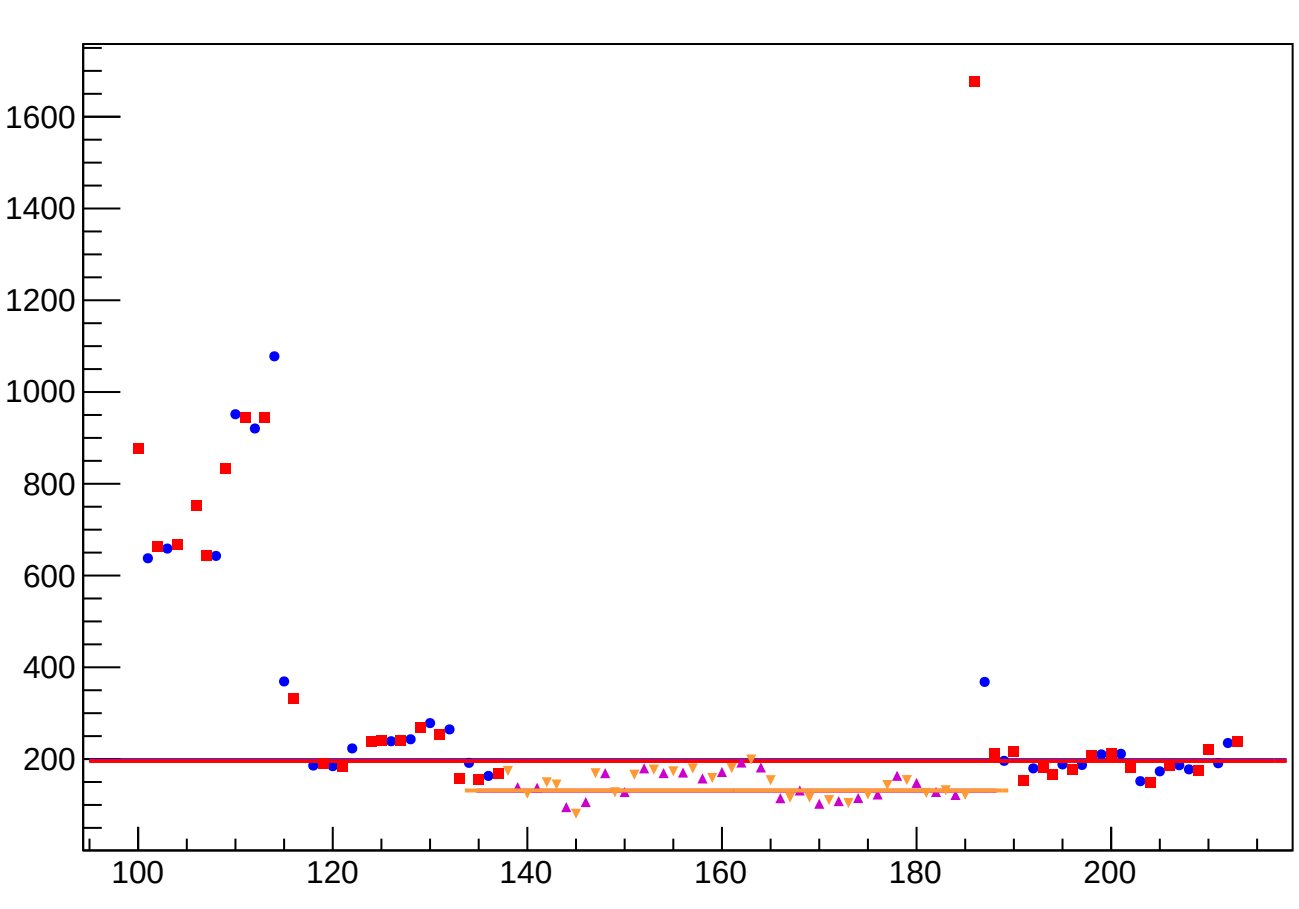
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 45.007+/-34.814 χ^2/NDF: 99.2/62

In: -20.427+/-26.655 χ^2/NDF:56.5/51

Out: -21.048+/-25.960 χ^2/NDF:119.7/58

All: -20.746+/-18.597 χ^2/NDF: 176.3/110



Right In: 197.542+/-0.035 χ^2/NDF: 3587716.1/28

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

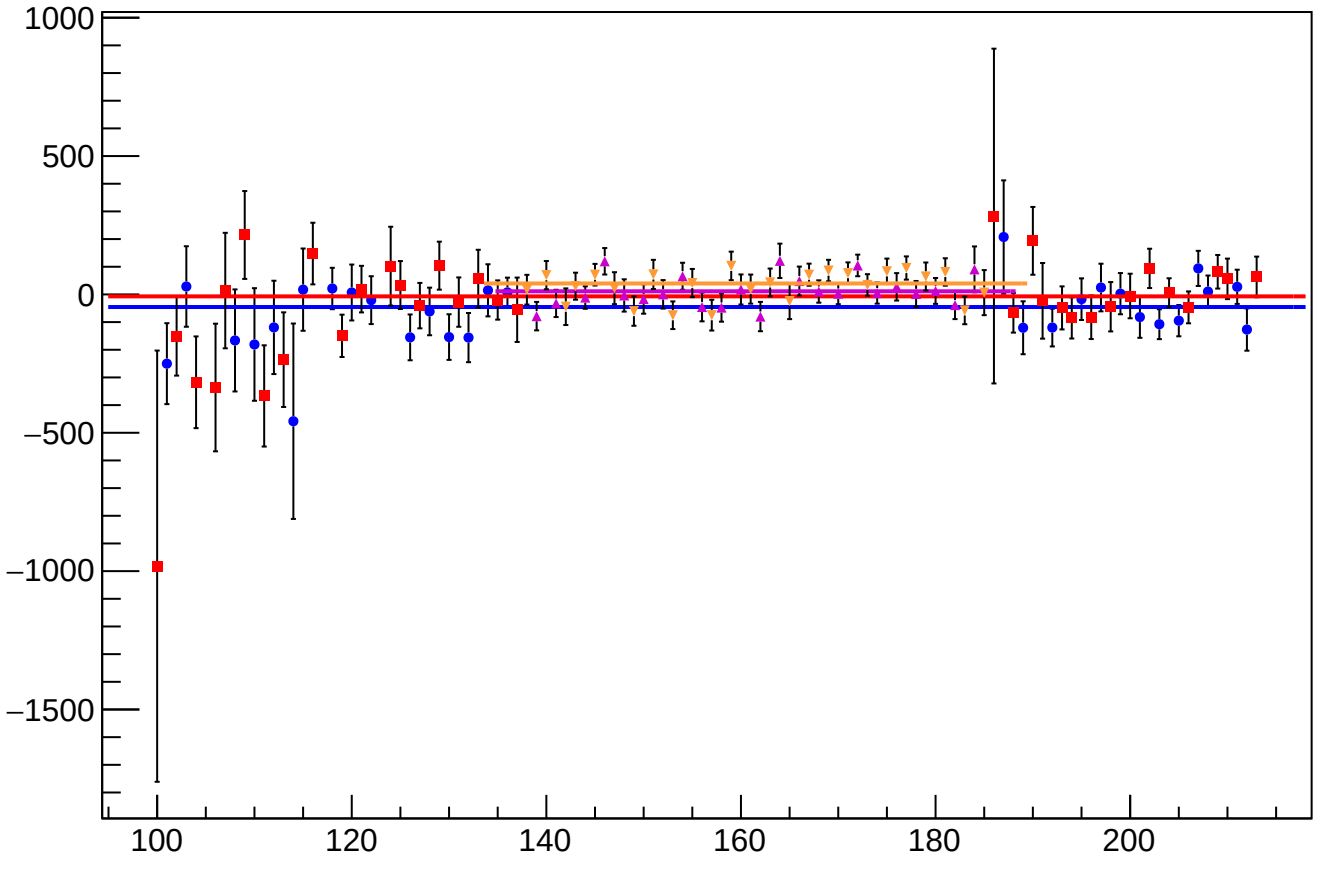
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 196.682+/-0.025 χ^2/NDF: 8658196.8/62

In: 149.877+/-0.019 χ^2/NDF:7578396.0/51

Out: 150.032+/-0.018 χ^2/NDF:9491833.1/58

All: 149.957+/-0.013 χ^2/NDF: 17070263.9/11



Right In: -45.523+/-15.218 χ^2/NDF: 27.6/28

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

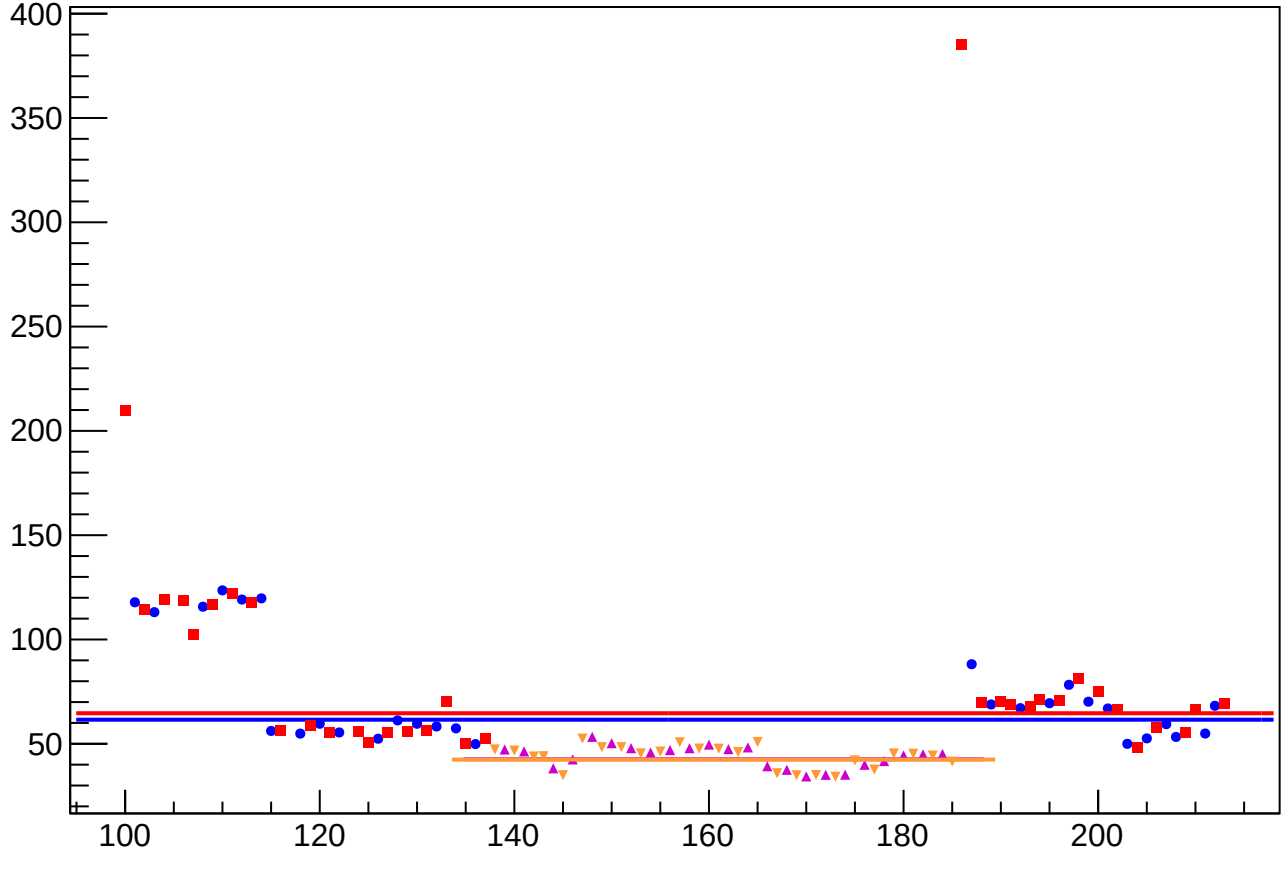
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -26.568+/-10.840 χ^2/NDF: 67.7/62

In: -6.017+/-8.402 χ^2/NDF:65.2/51

Out: 26.291+/-8.242 χ^2/NDF:73.1/58

All: 10.448+/-5.884 χ^2/NDF: 145.8/110



Right In: 61.547+/-0.011 χ^2/NDF: 1767435.7/28

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

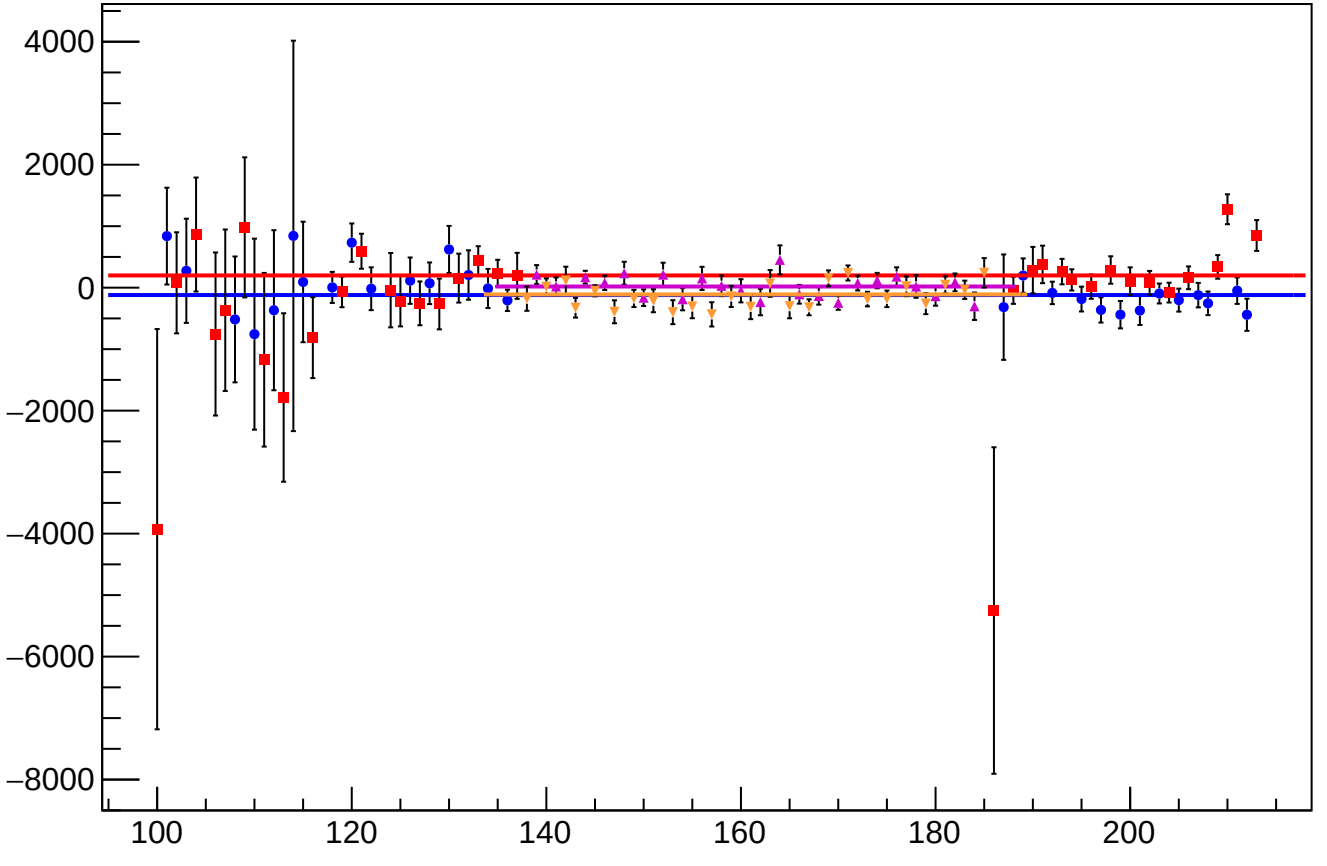
Right: 63.075+/-0.008 χ^2/NDF: 4392452.4/62

In: 48.361+/-0.006 χ^2/NDF:4517420.3/51

Out: 48.755+/-0.006 χ^2/NDF:6244456.1/58

All: 48.562+/-0.004 χ^2/NDF: 10764110.8/110

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -119.964+/-50.116 χ^2/NDF: 23.8/28

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

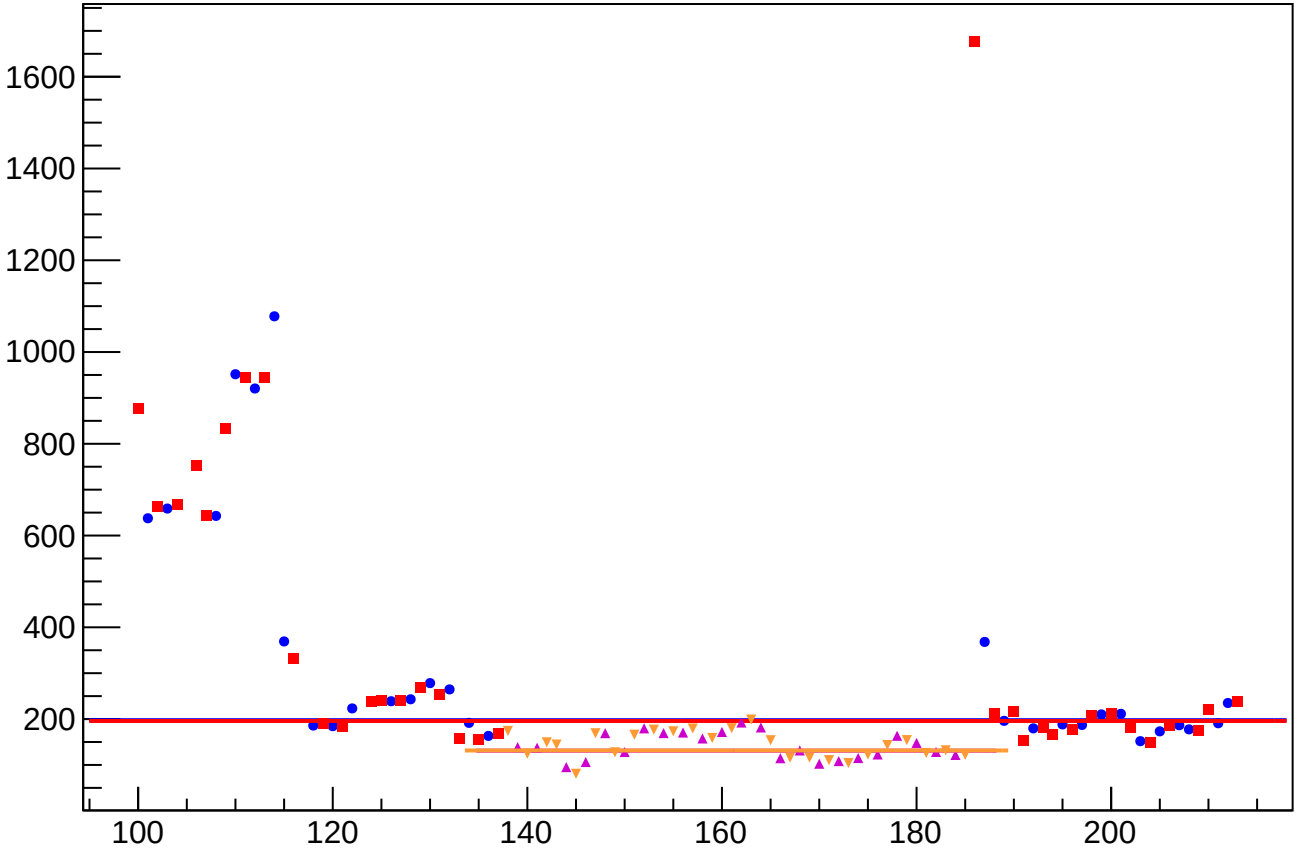
Right: 45.006+/-34.814 χ^2/NDF: 99.2/62

In: -20.428+/-26.655 χ^2/NDF:56.5/51

Out: -21.048+/-25.960 χ^2/NDF:119.7/58

All: -20.746+/-18.597 χ^2/NDF: 176.3/110

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 197.541+/-0.035 χ^2/NDF: 3587712.0/28

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

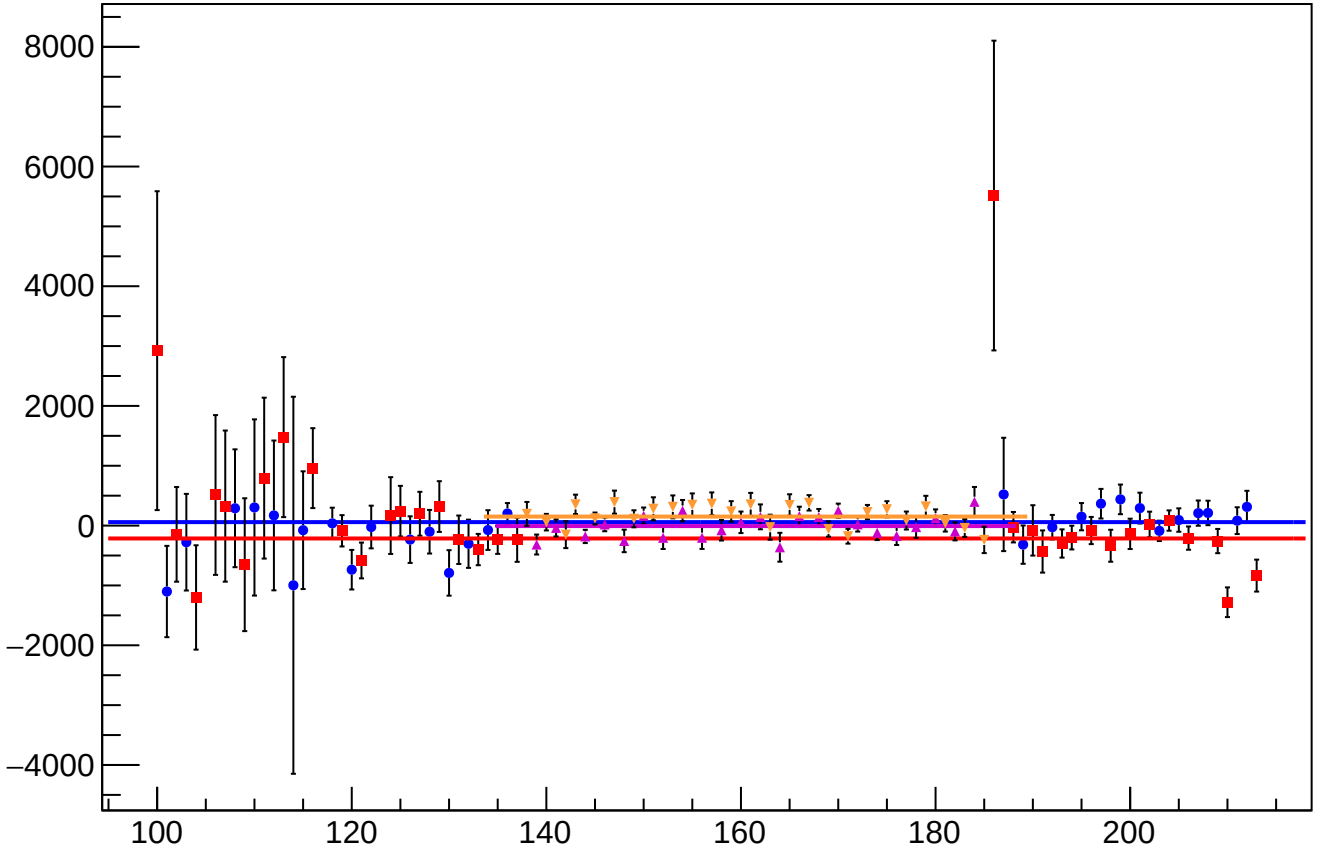
Right: 196.681+/-0.025 χ^2/NDF: 8658200.9/62

In: 149.877+/-0.019 χ^2/NDF:7578346.6/51

Out: 150.032+/-0.018 χ^2/NDF:9491775.6/58

All: 149.957+/-0.013 χ^2/NDF: 17070157.1/11

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 58.183+/-53.459 χ^2/NDF: 25.4/28

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

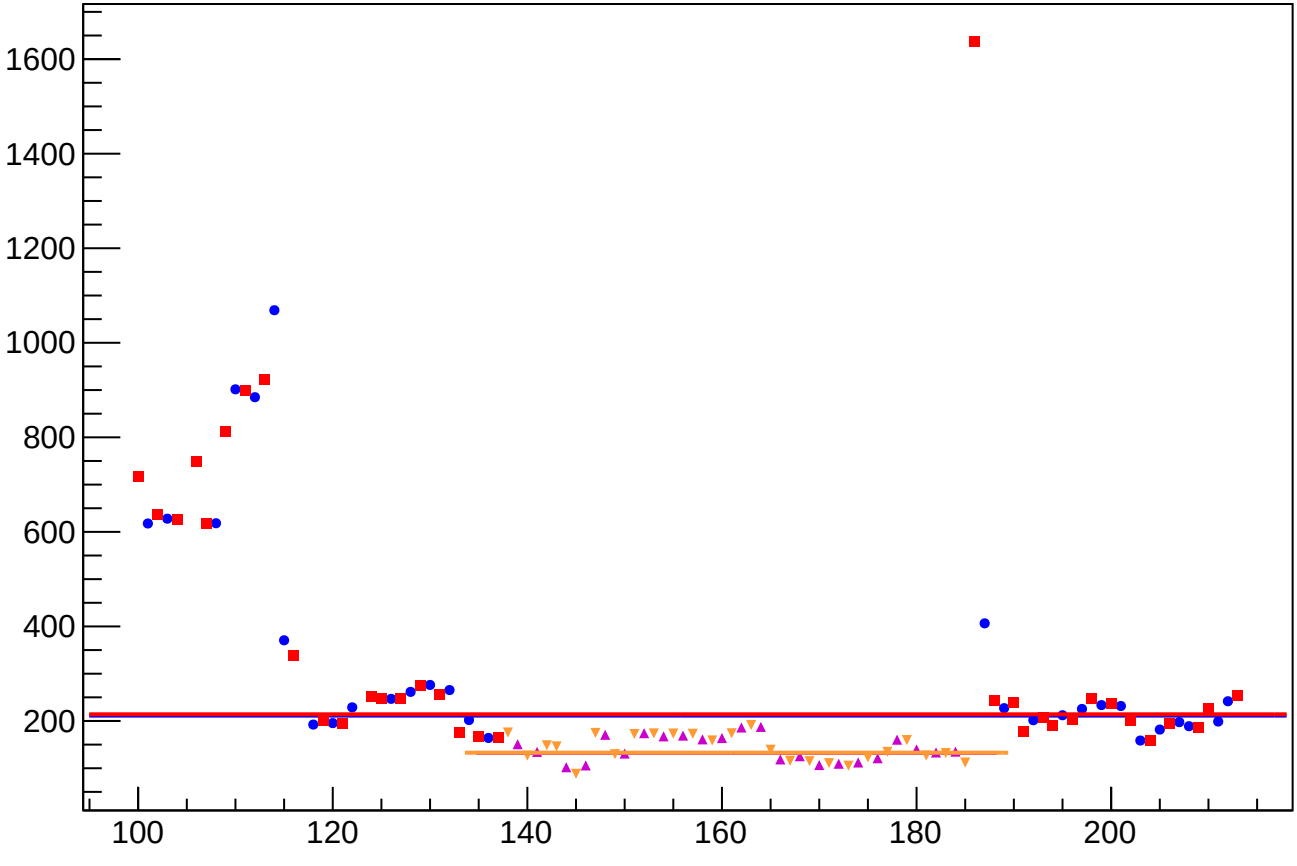
Right: -80.585+/-37.502 χ^2/NDF: 88.8/62

In: 9.198+/-27.216 χ^2/NDF:56.0/51

Out: 56.994+/-26.679 χ^2/NDF:119.2/58

All: 33.573+/-19.052 χ^2/NDF: 176.7/110

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 211.370+/-0.038 χ^2/NDF: 3410048.4/28

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

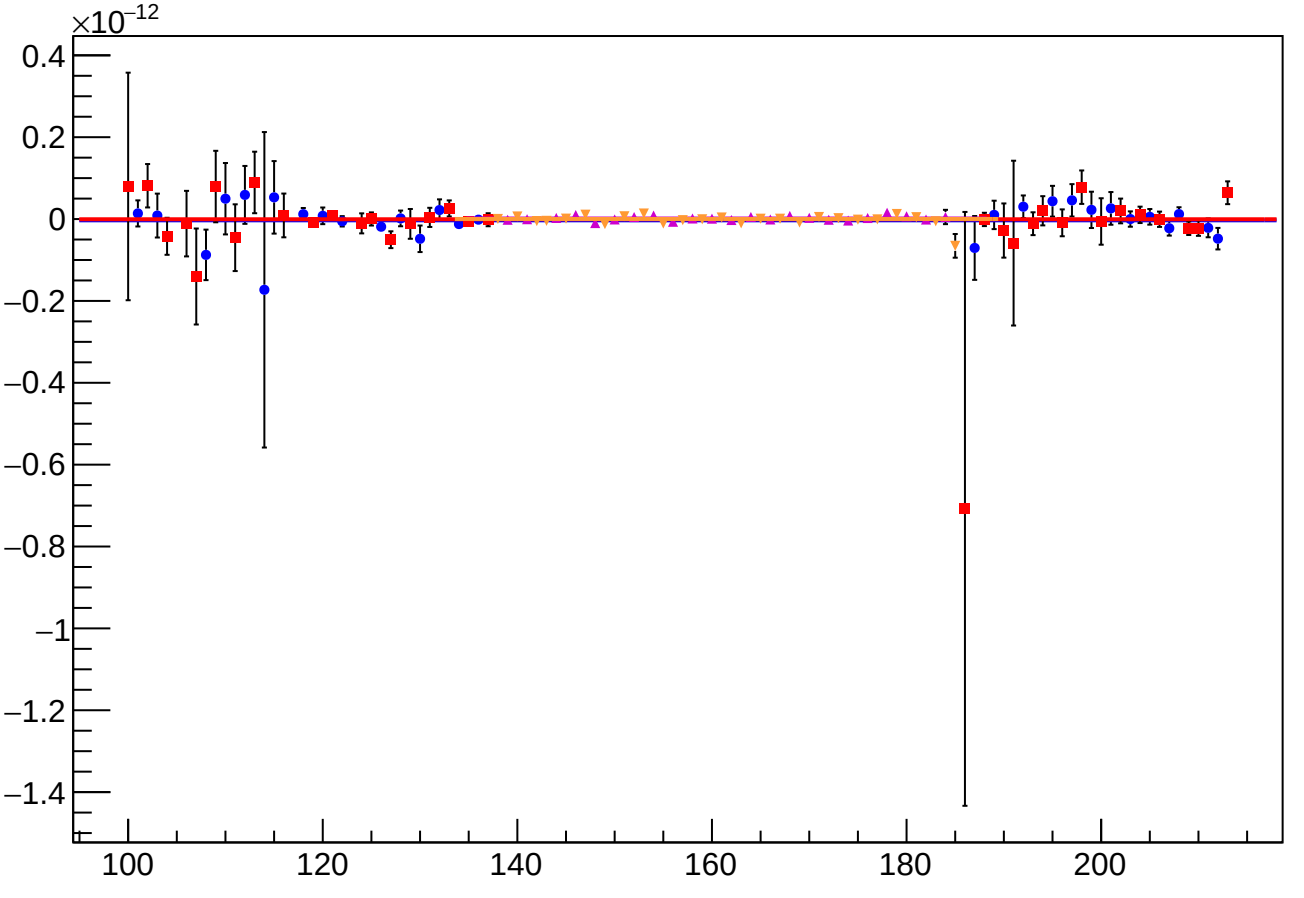
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 212.765+/-0.027 χ^2/NDF: 8111429.9/62

In: 152.825+/-0.019 χ^2/NDF:7925641.2/51

Out: 153.758+/-0.019 χ^2/NDF:9832750.2/58

All: 153.301+/-0.013 χ^2/NDF: 17759589.8/1



Right In: -0.000+/-0.000 χ^2/NDF: 23.5/28

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

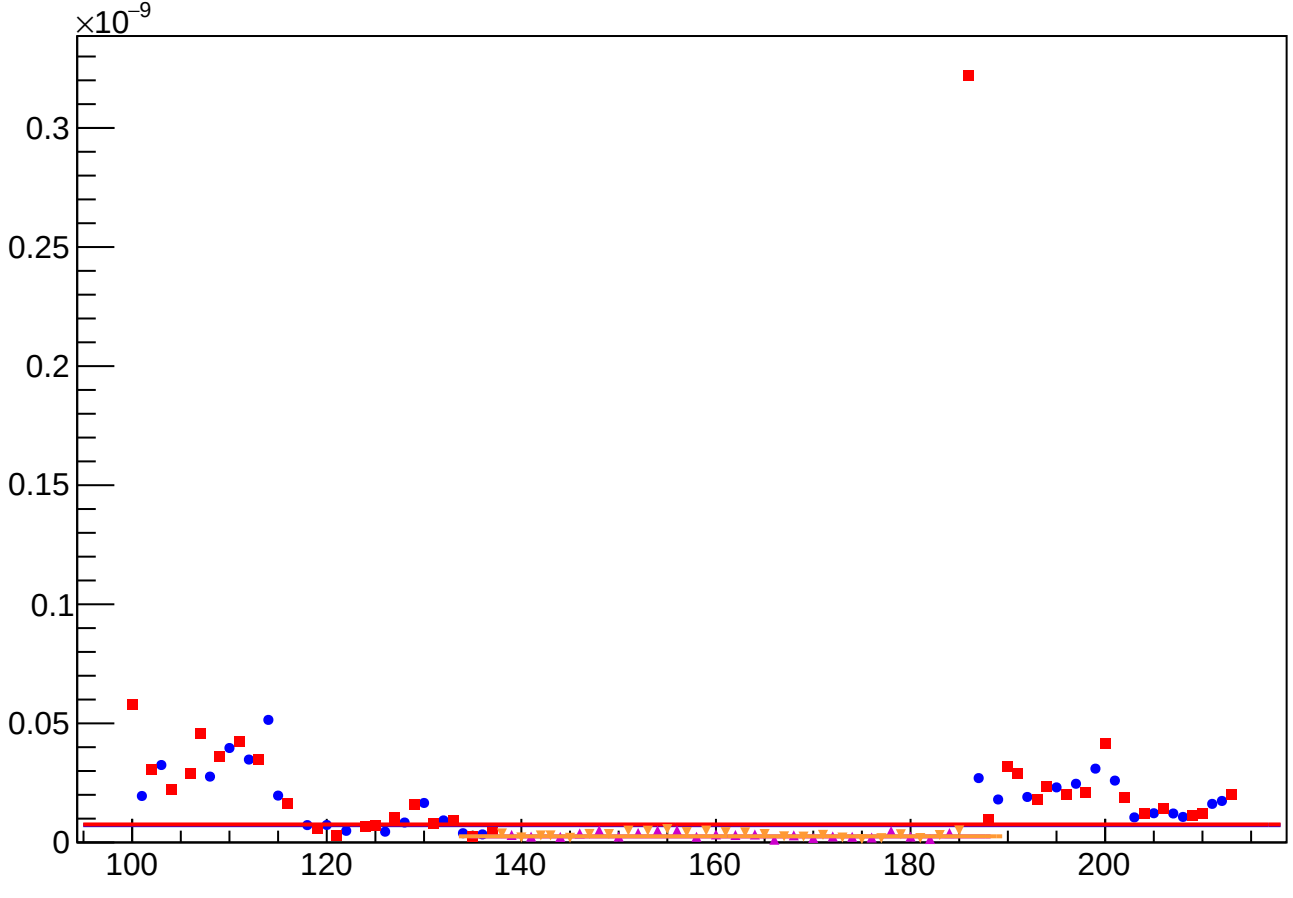
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 56.6/62

In: 0.000+/-0.000 χ^2/NDF:40.1/51

Out: 0.000+/-0.000 χ^2/NDF:65.0/58

All: 0.000+/-0.000 χ^2/NDF: 105.3/110



Right In: 0.000+/-0.000 χ^2/NDF: 6754706.6/28

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

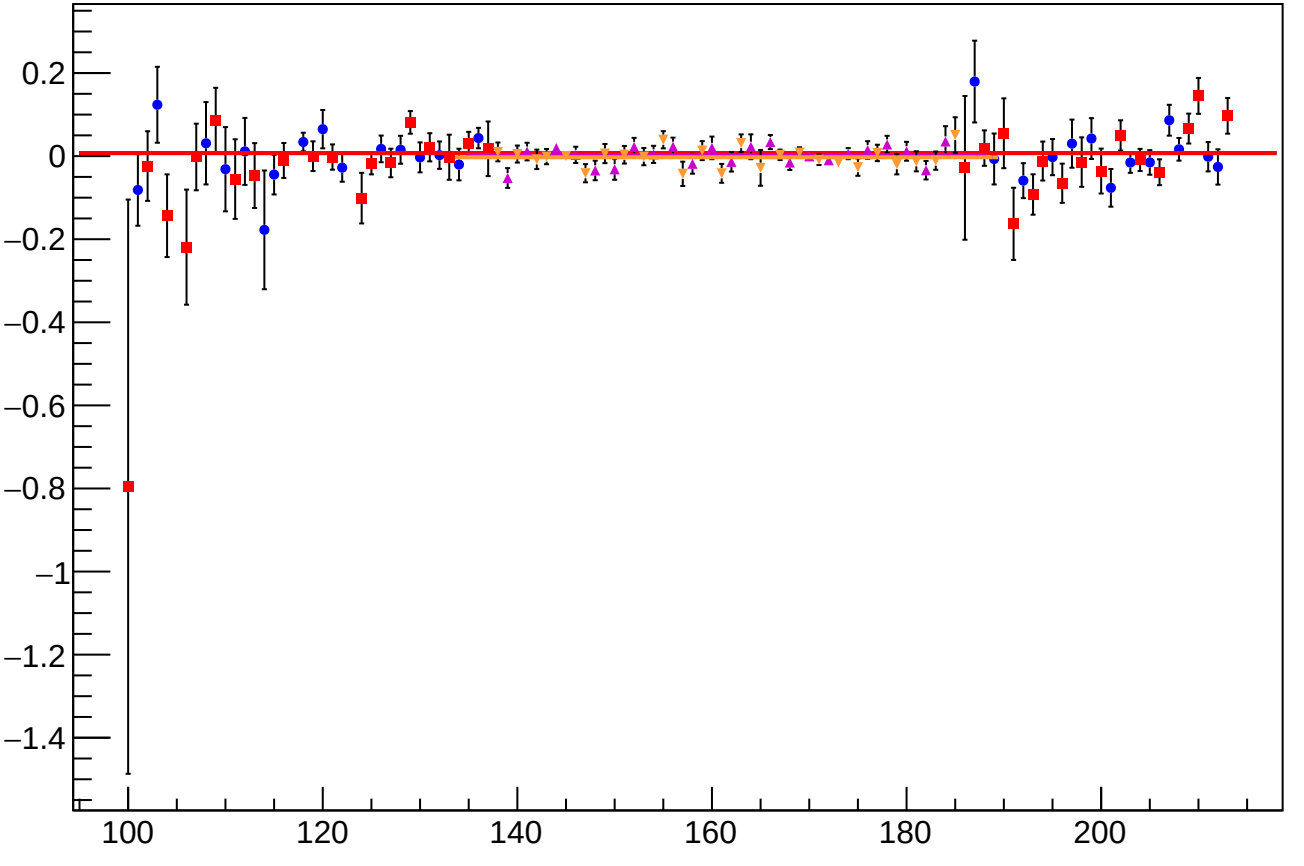
Right: 0.000+/-0.000 χ^2/NDF: 14691251.4/62

In: 0.000+/-0.000 χ^2/NDF:12118808.4/51

Out: 0.000+/-0.000 χ^2/NDF:14010423.8/58

All: 0.000+/-0.000 χ^2/NDF: 26129349.3/110

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.007 χ^2/NDF: 29.2/28

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

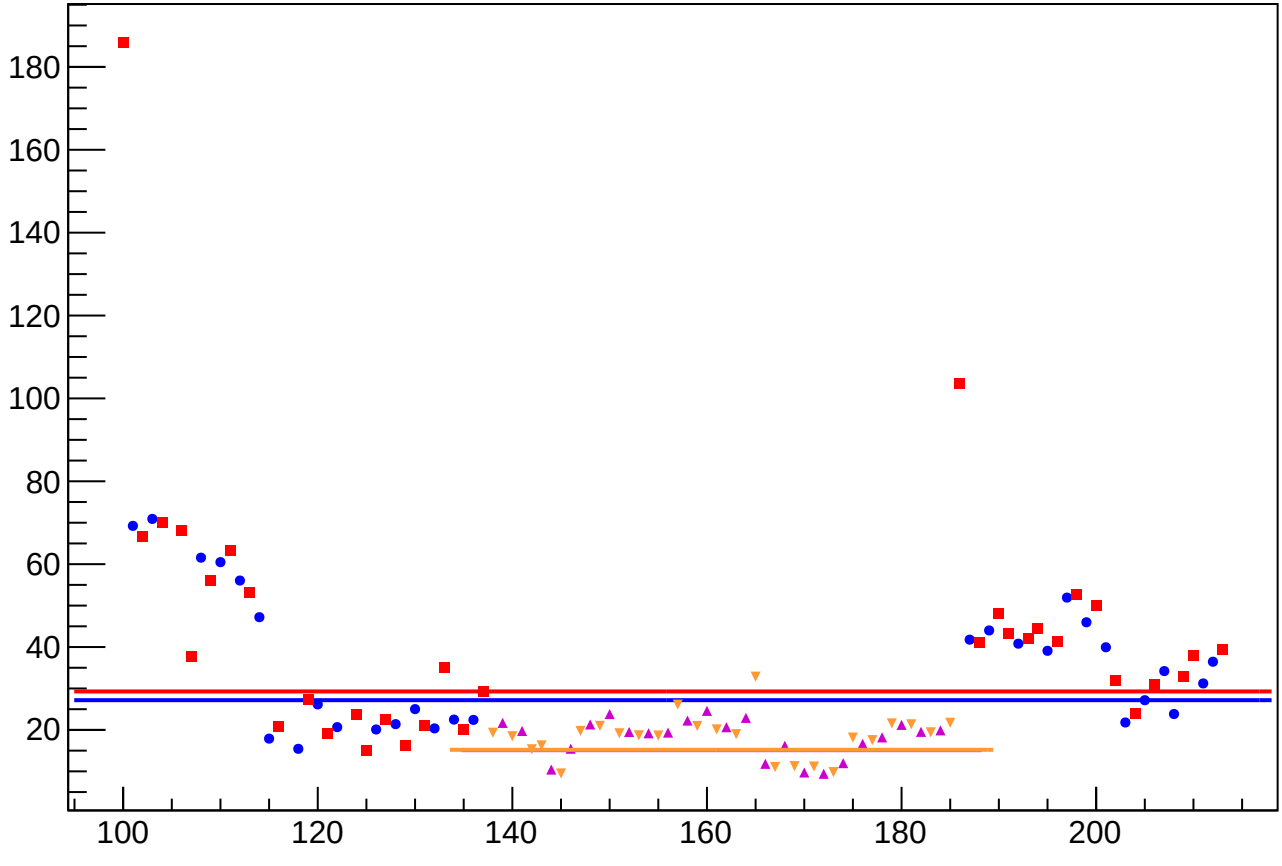
Right: 0.007+/-0.005 χ^2/NDF: 83.6/62

In: 0.003+/-0.003 χ^2/NDF:56.5/51

Out: -0.001+/-0.003 χ^2/NDF:78.6/58

All: 0.001+/-0.002 χ^2/NDF: 135.8/110

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.175+/-0.005 χ^2/NDF: 4430153.4/28

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

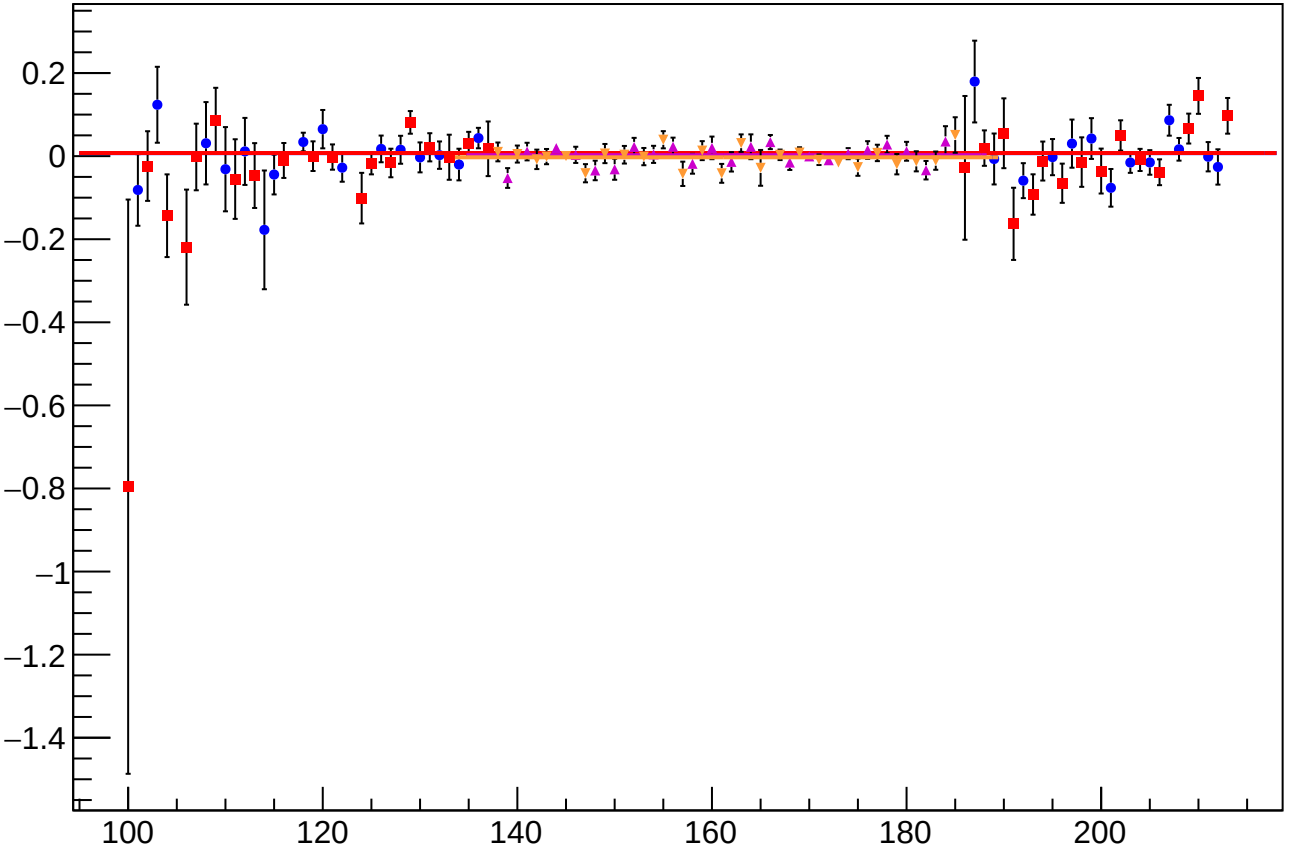
Right: 28.189+/-0.004 χ^2/NDF: 10059182.1/62

In: 17.758+/-0.002 χ^2/NDF:12186240.2/51

Out: 17.957+/-0.002 χ^2/NDF:14643246.5/58

All: 17.859+/-0.002 χ^2/NDF: 26833014.7/110

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.007 χ^2/NDF: 29.2/28

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

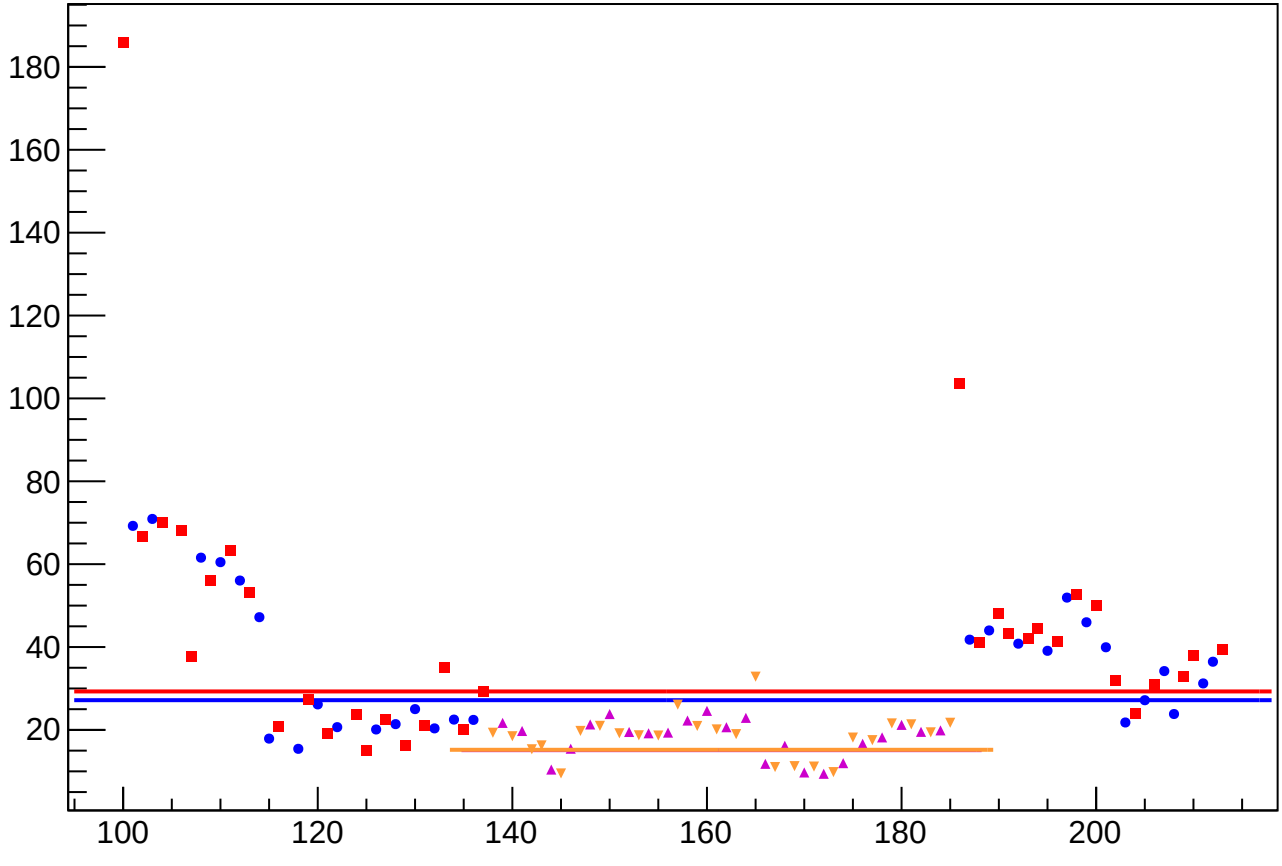
Right: 0.007+/-0.005 χ^2/NDF: 83.6/62

In: 0.003+/-0.003 χ^2/NDF:56.5/51

Out: -0.001+/-0.003 χ^2/NDF:78.6/58

All: 0.001+/-0.002 χ^2/NDF: 135.8/110

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.175+/-0.005 χ^2/NDF: 4430153.4/28

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

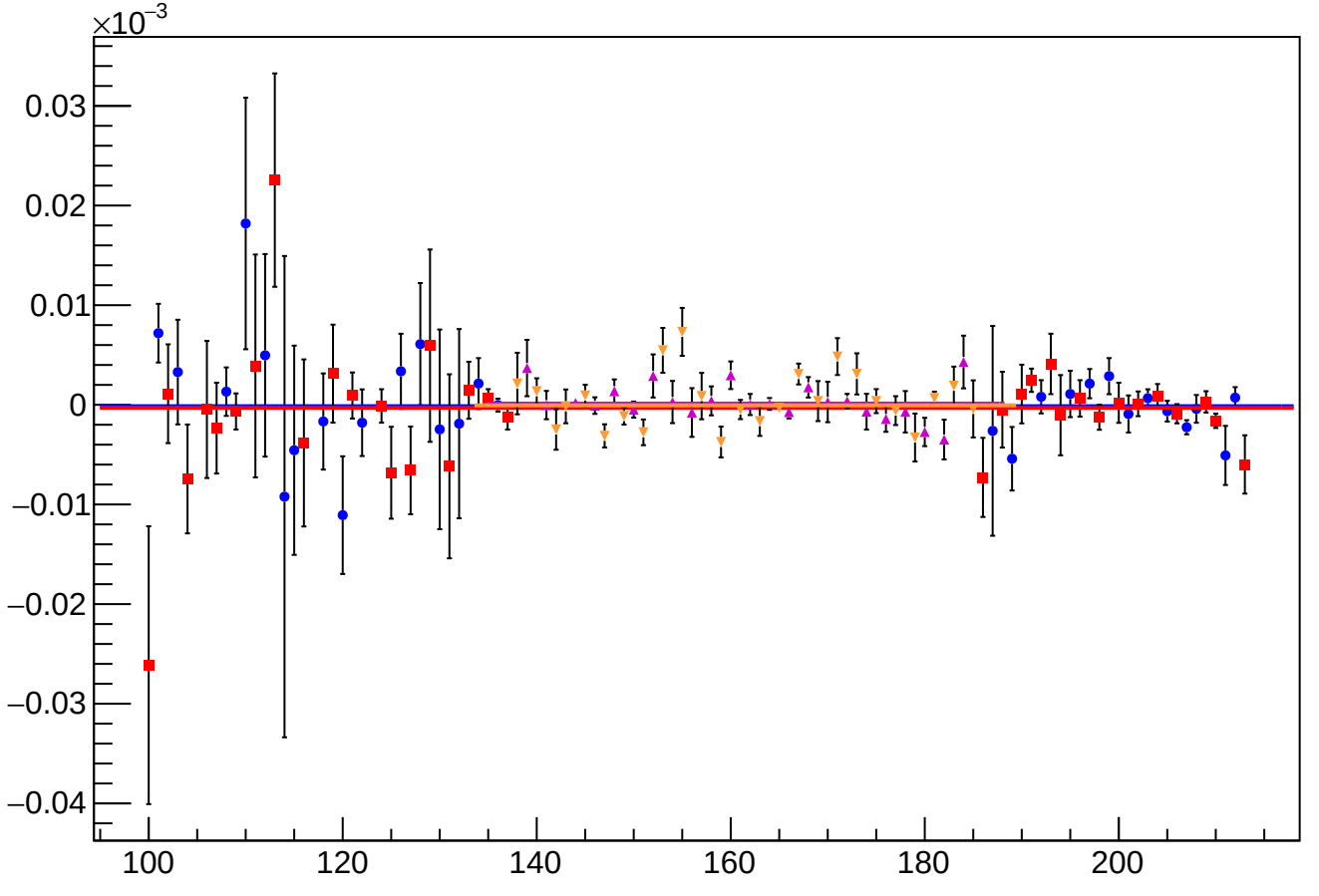
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 28.189+/-0.004 χ^2/NDF: 10059182.1/62

In: 17.758+/-0.002 χ^2/NDF:12186240.2/51

Out: 17.957+/-0.002 χ^2/NDF:14643246.5/58

All: 17.859+/-0.002 χ^2/NDF: 26833014.7/110



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/28

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

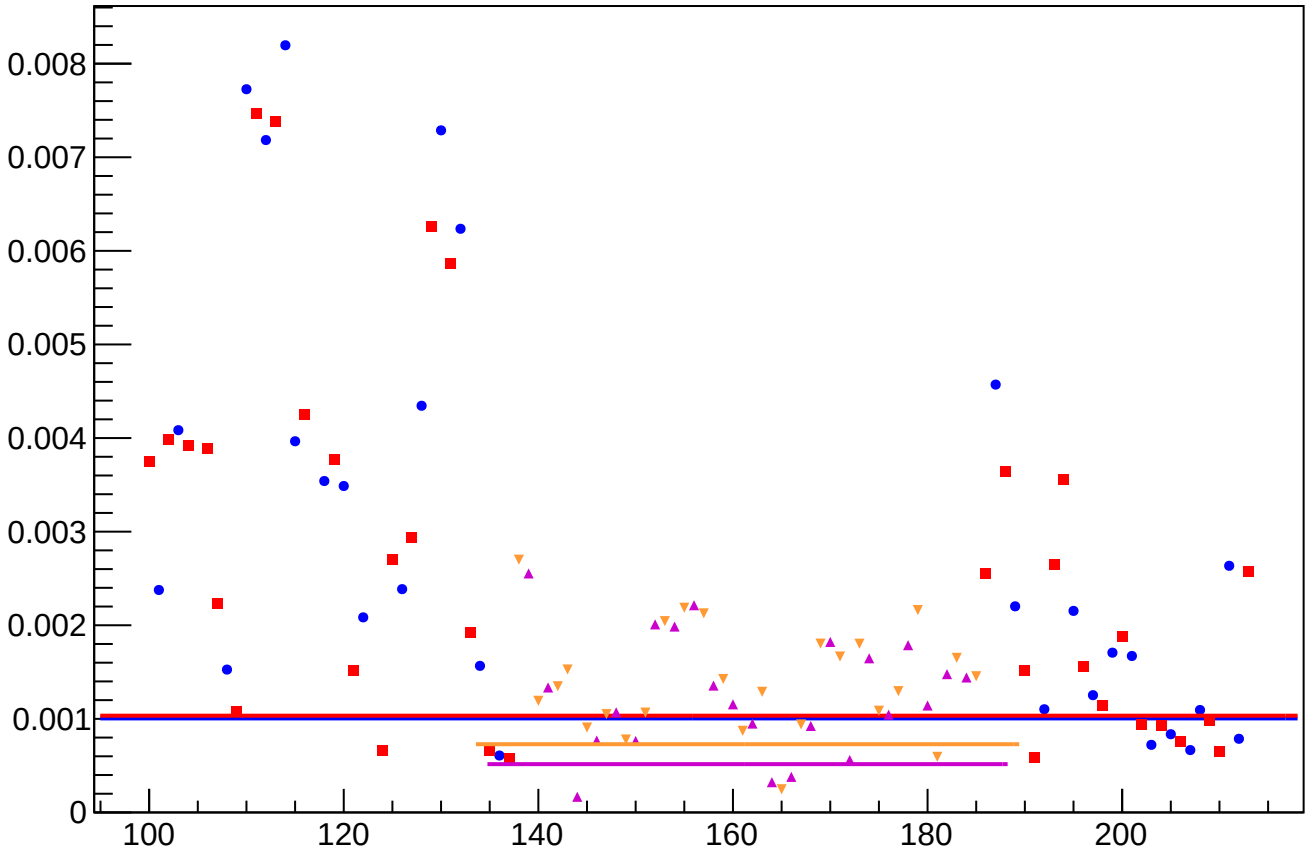
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: -0.000+/-0.000 χ^2/NDF: 77.1/62

In: 0.000+/-0.000 χ^2/NDF:64.3/51

Out: -0.000+/-0.000 χ^2/NDF:102.0/58

All: -0.000+/-0.000 χ^2/NDF: 166.9/110



Right In: 0.001+/-0.000 χ^2/NDF: 10096785.9/28

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

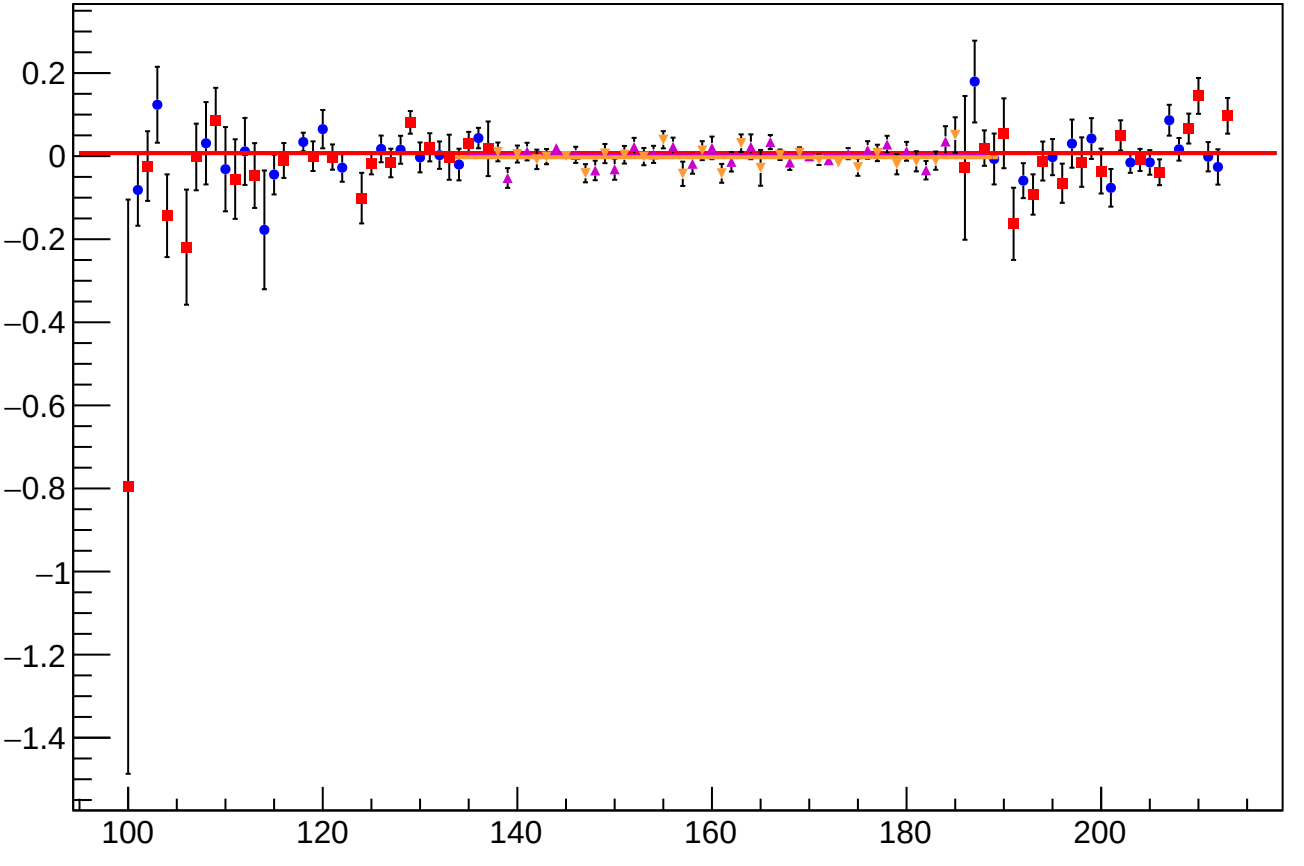
Right: 0.001+/-0.000 χ^2/NDF: 21726433.9/62

In: 0.001+/-0.000 χ^2/NDF:28930523.9/51

Out: 0.001+/-0.000 χ^2/NDF:26106801.1/58

All: 0.001+/-0.000 χ^2/NDF: 56414083.0/110

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.007 χ^2/NDF: 29.2/28

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

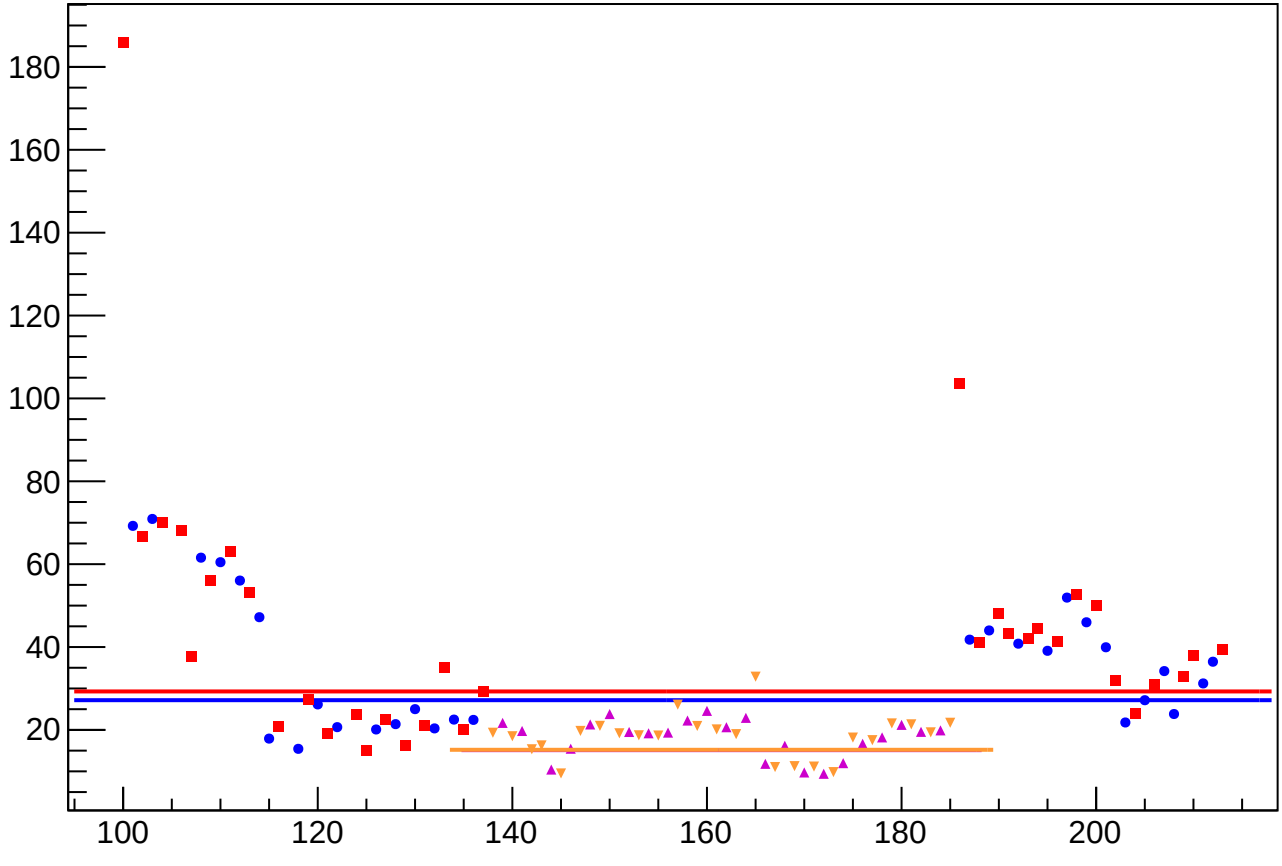
Right: 0.007+/-0.005 χ^2/NDF: 83.6/62

In: 0.003+/-0.003 χ^2/NDF:56.5/51

Out: -0.001+/-0.003 χ^2/NDF:78.6/58

All: 0.001+/-0.002 χ^2/NDF: 135.8/110

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.175+/-0.005 χ^2/NDF: 4430492.9/28

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

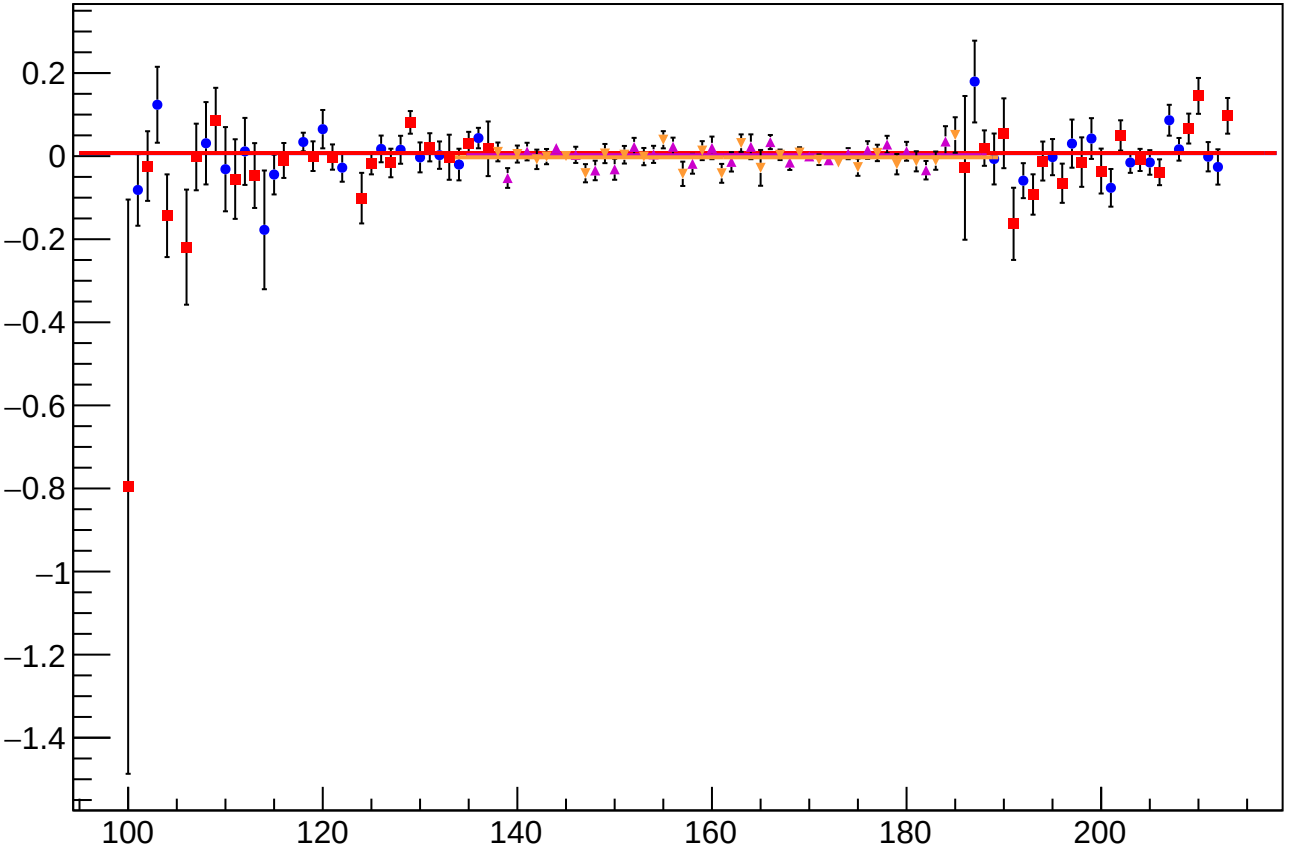
Right: 28.188+/-0.004 χ^2/NDF: 10059765.6/62

In: 17.758+/-0.002 χ^2/NDF:12186123.1/51

Out: 17.957+/-0.002 χ^2/NDF:14643353.3/58

All: 17.859+/-0.002 χ^2/NDF: 26833004.6/110

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.007 χ^2/NDF: 29.2/28

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

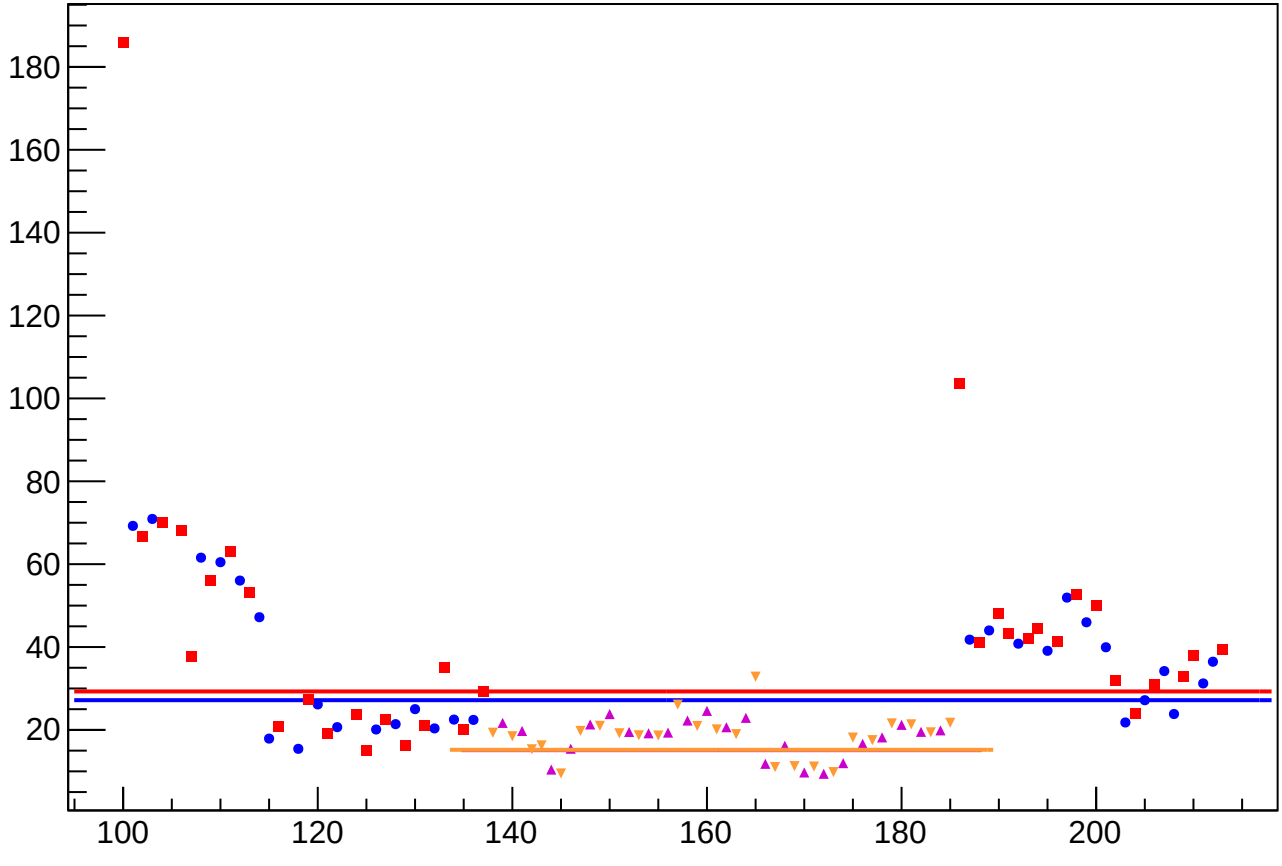
Right: 0.007+/-0.005 χ^2/NDF: 83.6/62

In: 0.003+/-0.003 χ^2/NDF:56.5/51

Out: -0.001+/-0.003 χ^2/NDF:78.6/58

All: 0.001+/-0.002 χ^2/NDF: 135.8/110

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.175+/-0.005 χ^2/NDF: 4430492.9/28

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

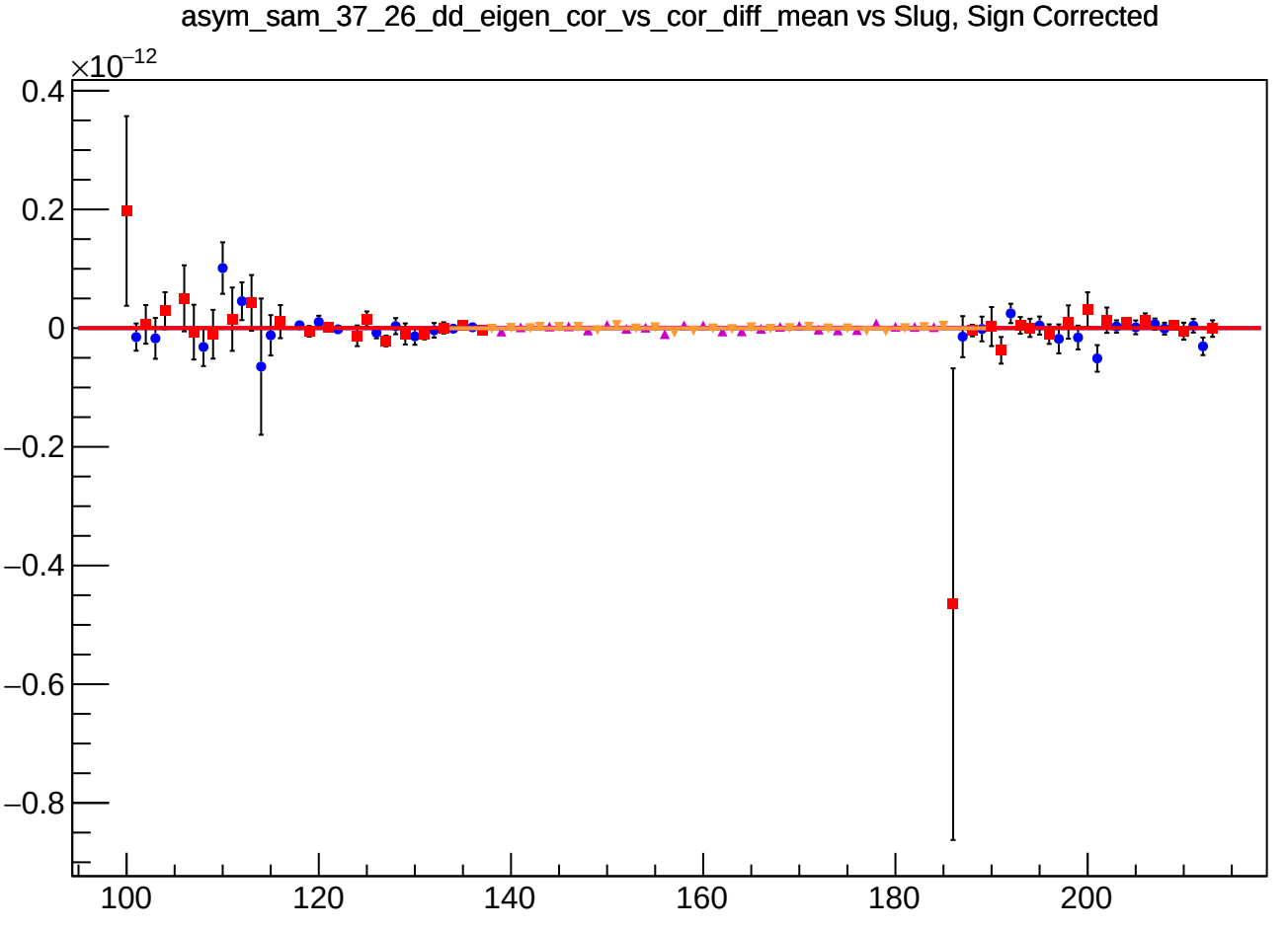
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 28.188+/-0.004 χ^2/NDF: 10059765.6/62

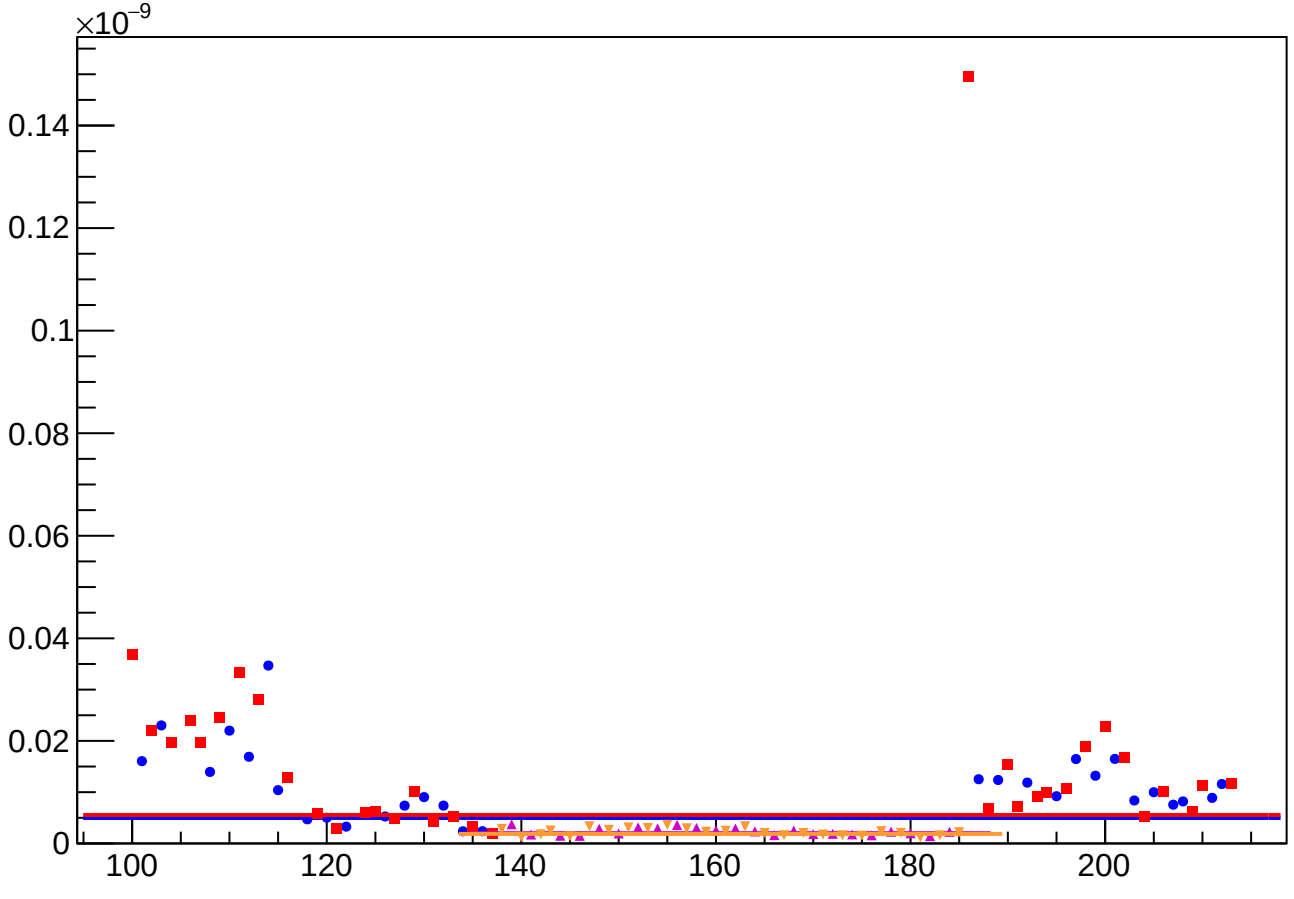
In: 17.758+/-0.002 χ^2/NDF:12186123.1/51

Out: 17.957+/-0.002 χ^2/NDF:14643353.3/58

All: 17.859+/-0.002 χ^2/NDF: 26833004.6/110


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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: 26.8/28
Left Out: -0.000+/-0.000 χ²/NDF:21.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 26.5/33
Left In: 0.000+/-0.000 χ²/NDF:39.5/22
Left: 0.000+/-0.000 χ²/NDF: 62.7/47
Right: 0.000+/-0.000 χ²/NDF: 53.3/62
In: 0.000+/-0.000 χ²/NDF:66.5/51
Out: -0.000+/-0.000 χ²/NDF:47.9/58
All: 0.000+/-0.000 χ²/NDF: 116.1/110

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8167877.2/28

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

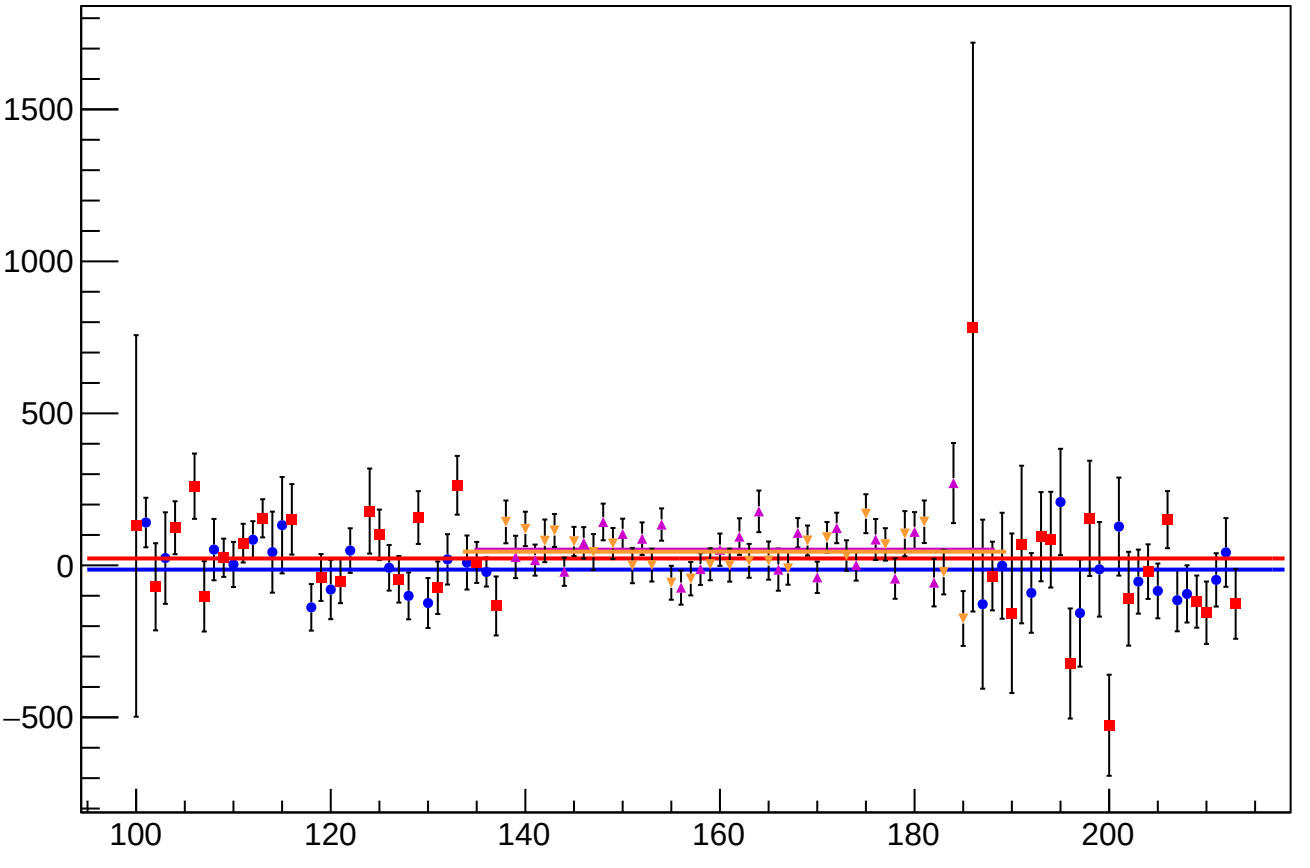
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 17149791.2/62

In: 0.000+/-0.000 χ^2/NDF:14988239.7/51

Out: 0.000+/-0.000 χ^2/NDF:18172132.2/58

All: 0.000+/-0.000 χ^2/NDF: 33254165.2/110



Right In: -13.918+/-17.199 χ^2/NDF: 21.3/28

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

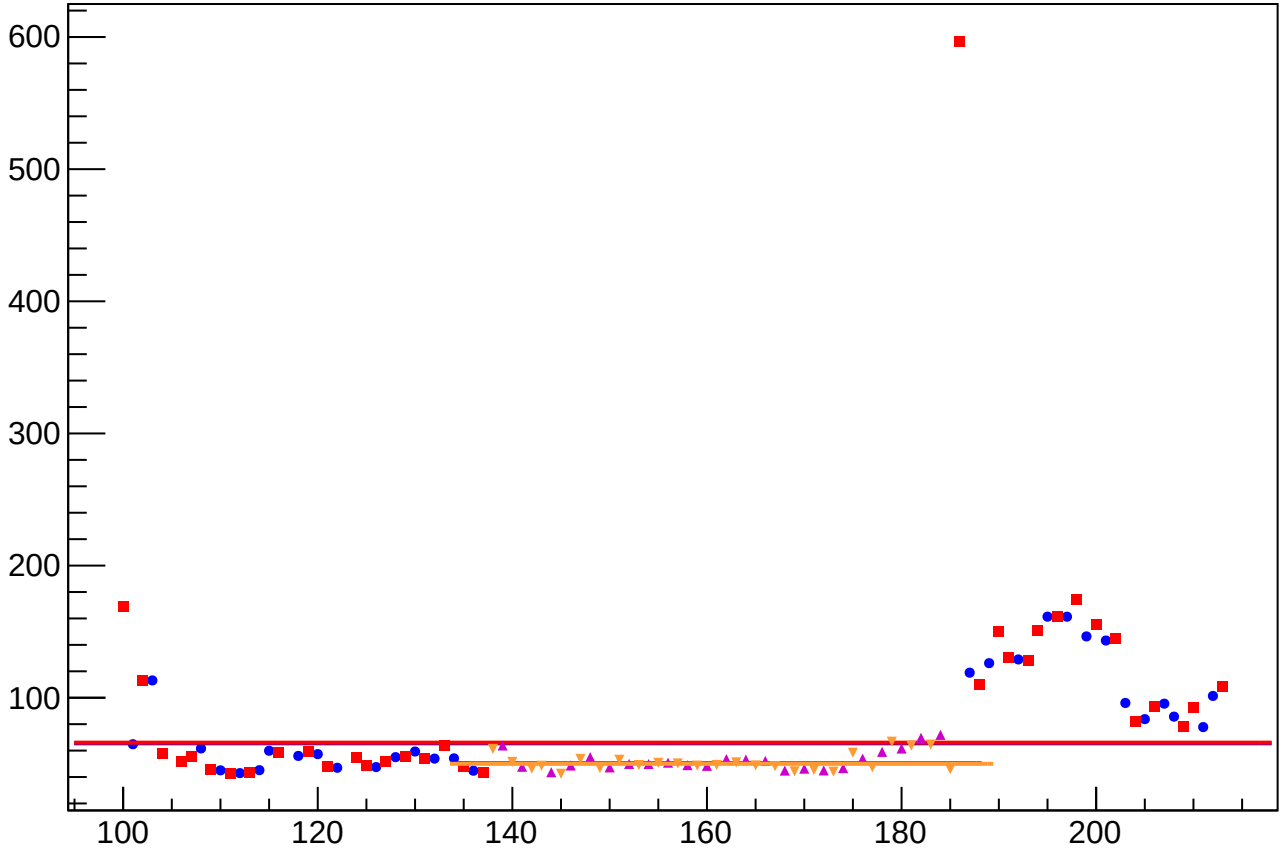
Right: 4.624+/-12.079 χ^2/NDF: 82.0/62

In: 30.331+/-9.802 χ^2/NDF:67.0/51

Out: 38.039+/-9.516 χ^2/NDF:90.9/58

All: 34.299+/-6.828 χ^2/NDF: 158.2/110

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 65.518+/-0.012 χ^2/NDF: 5197074.4/28

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

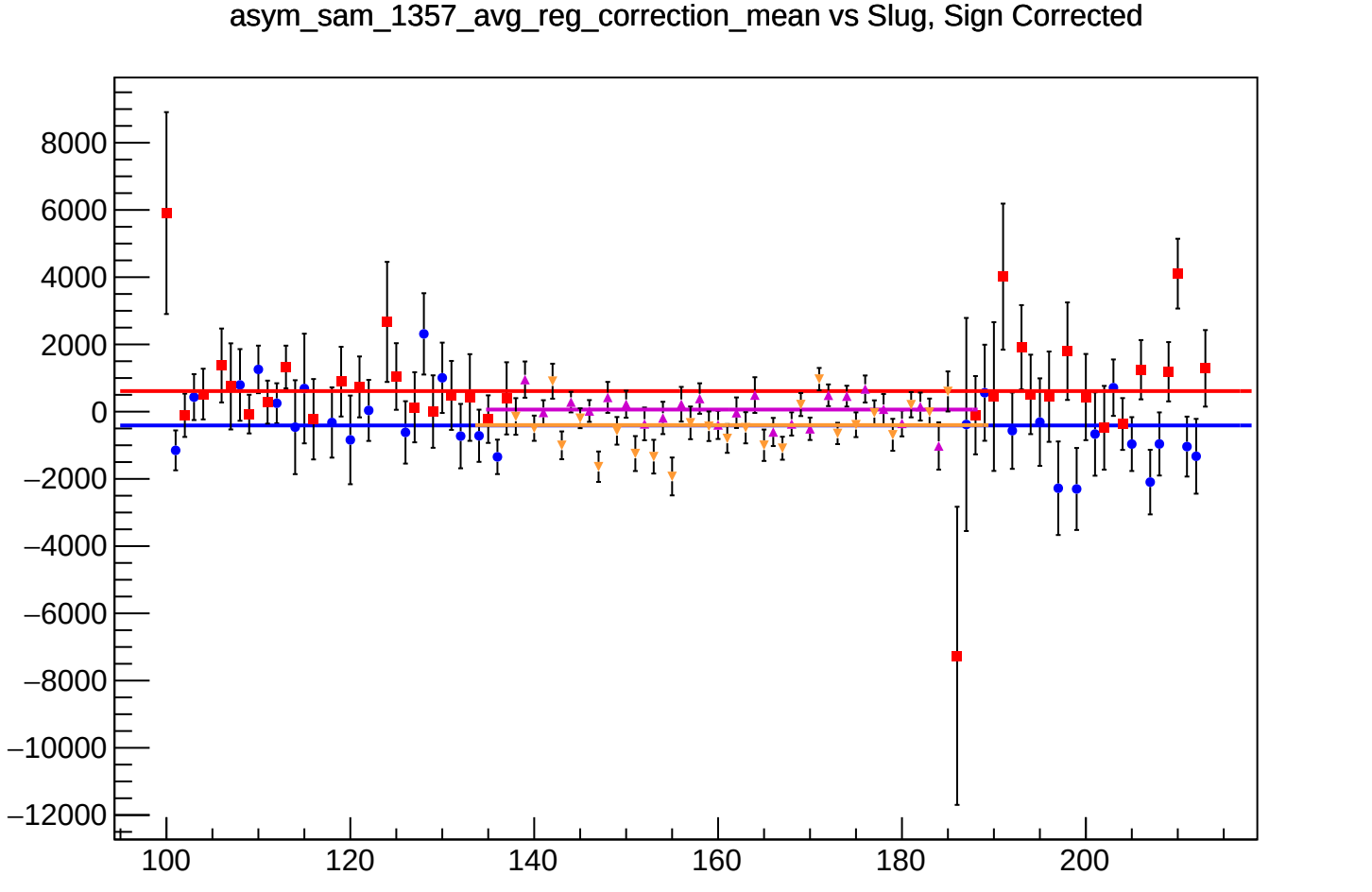
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 65.771+/-0.009 χ^2/NDF: 12130781.2/62

In: 55.386+/-0.007 χ^2/NDF:6728377.2/51

Out: 55.053+/-0.007 χ^2/NDF:8660512.9/58

All: 55.215+/-0.005 χ^2/NDF: 15390074.2/110



Right In: -410.342+/-169.844 χ^2/NDF: 34.1/28

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

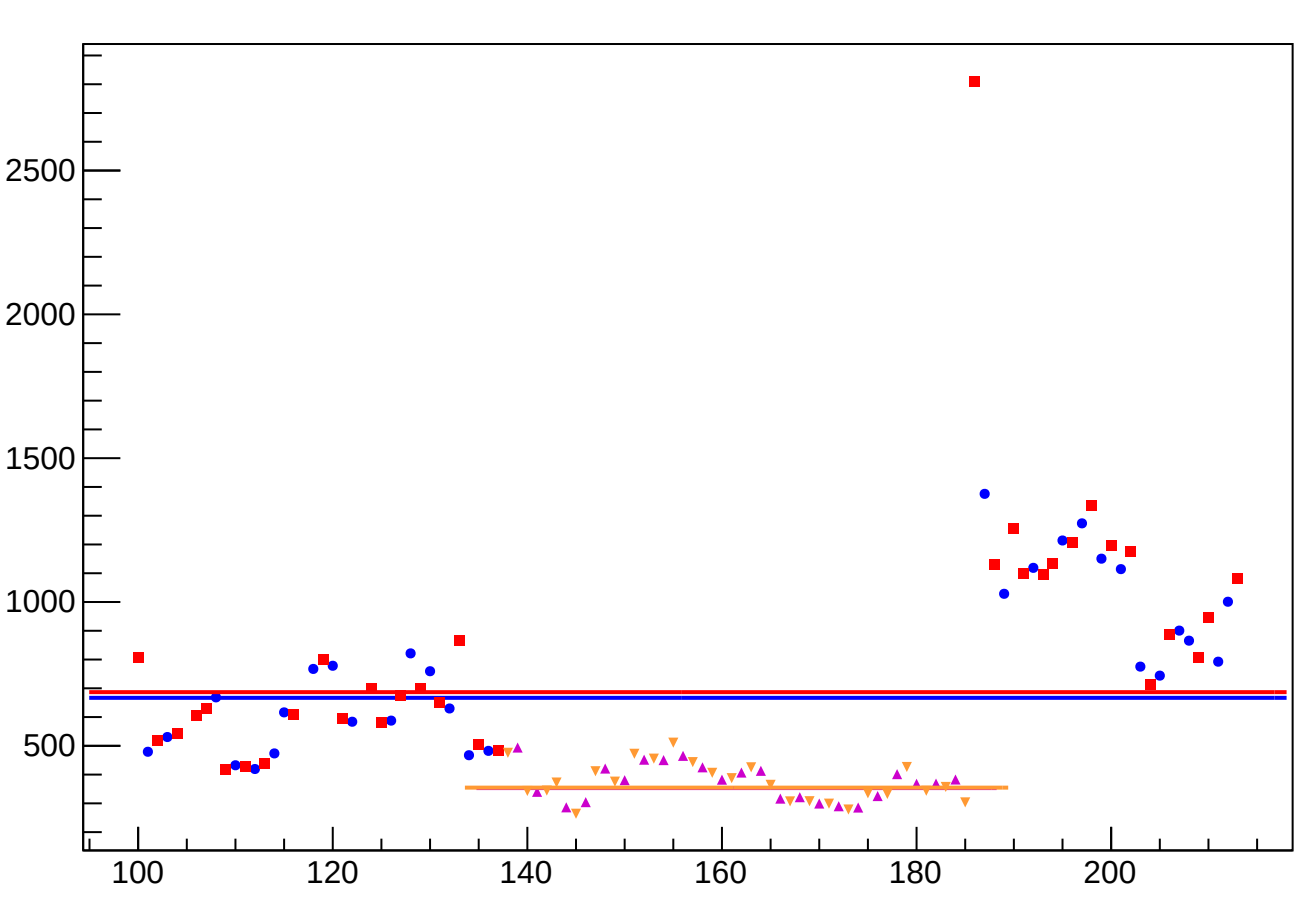
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 102.321+/-119.943 χ^2/NDF: 87.0/62

In: -30.607+/-75.217 χ^2/NDF:64.3/51

Out: -207.078+/-73.855 χ^2/NDF:129.0/58

All: -120.455+/-52.698 χ^2/NDF: 196.1/110



Right In: 666.883+/-0.120 χ^2/NDF: 3726073.0/28

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

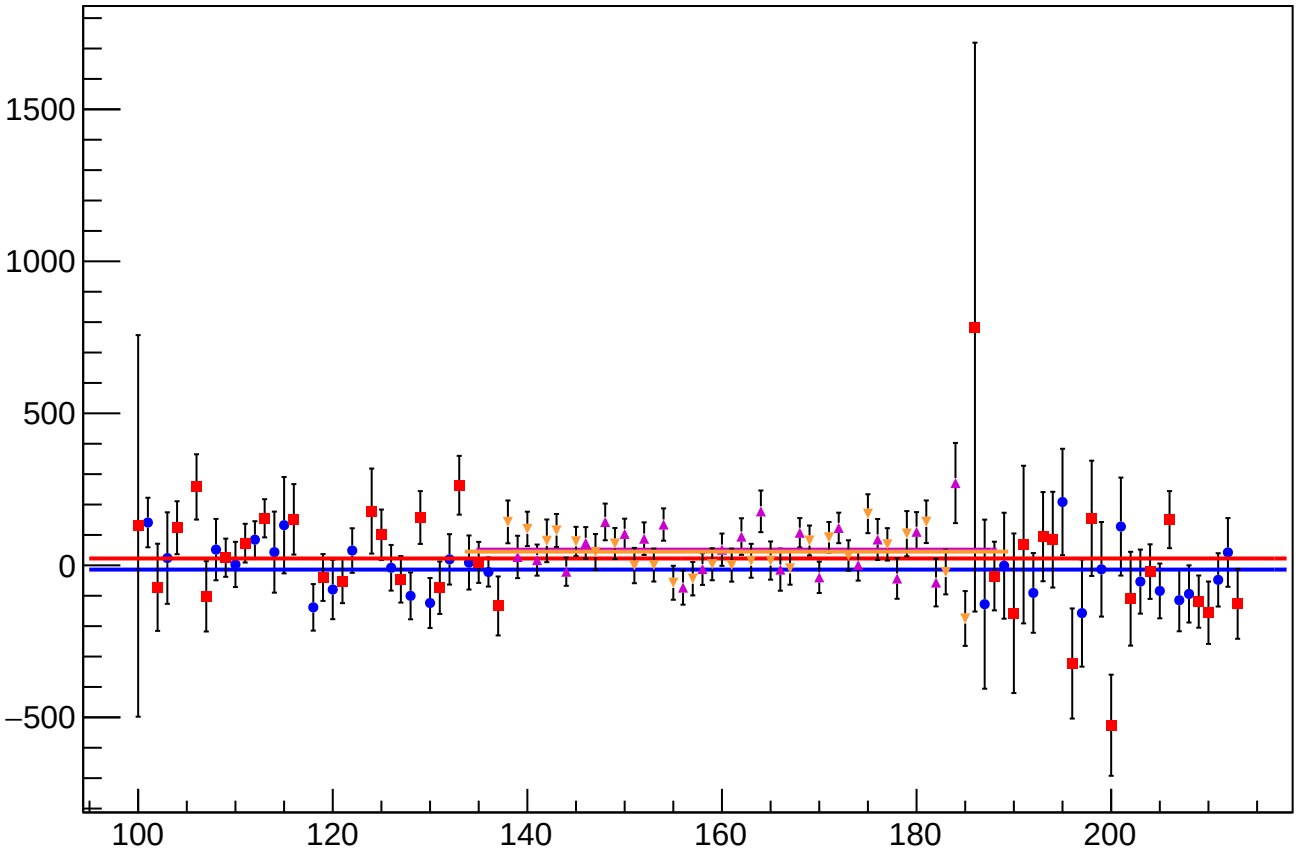
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 676.768+/-0.085 χ^2/NDF: 8656558.7/62

In: 414.648+/-0.053 χ^2/NDF:10217360.1/51

Out: 417.757+/-0.052 χ^2/NDF:12281391.7/58

All: 416.231+/-0.037 χ^2/NDF: 22500490.8/1



Right In: -13.923+/-17.199 χ^2/NDF: 21.3/28

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

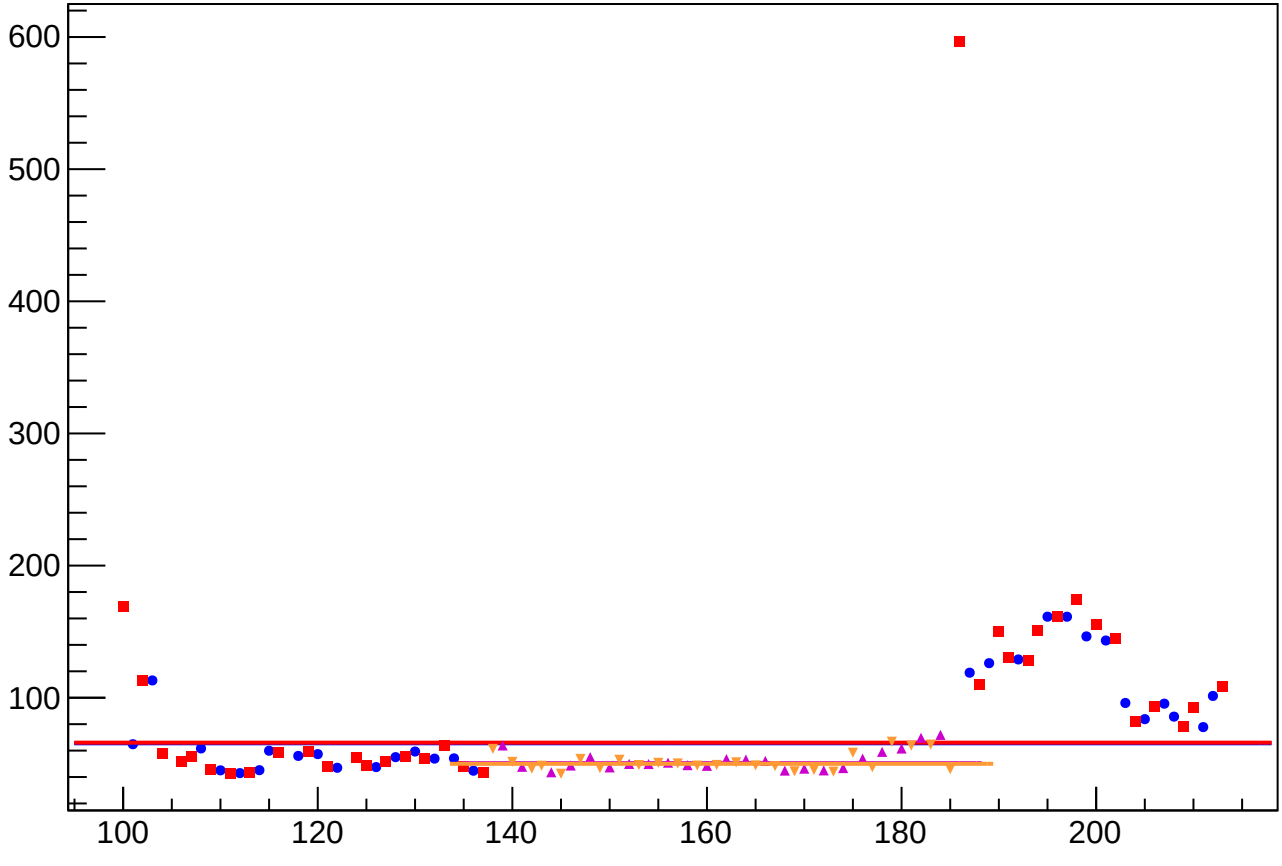
Right: 4.578+/-12.079 χ^2/NDF: 81.9/62

In: 30.329+/-9.802 χ^2/NDF:67.0/51

Out: 38.014+/-9.516 χ^2/NDF:90.8/58

All: 34.285+/-6.828 χ^2/NDF: 158.1/110

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 65.518+/-0.012 χ^2/NDF: 5197076.7/28

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

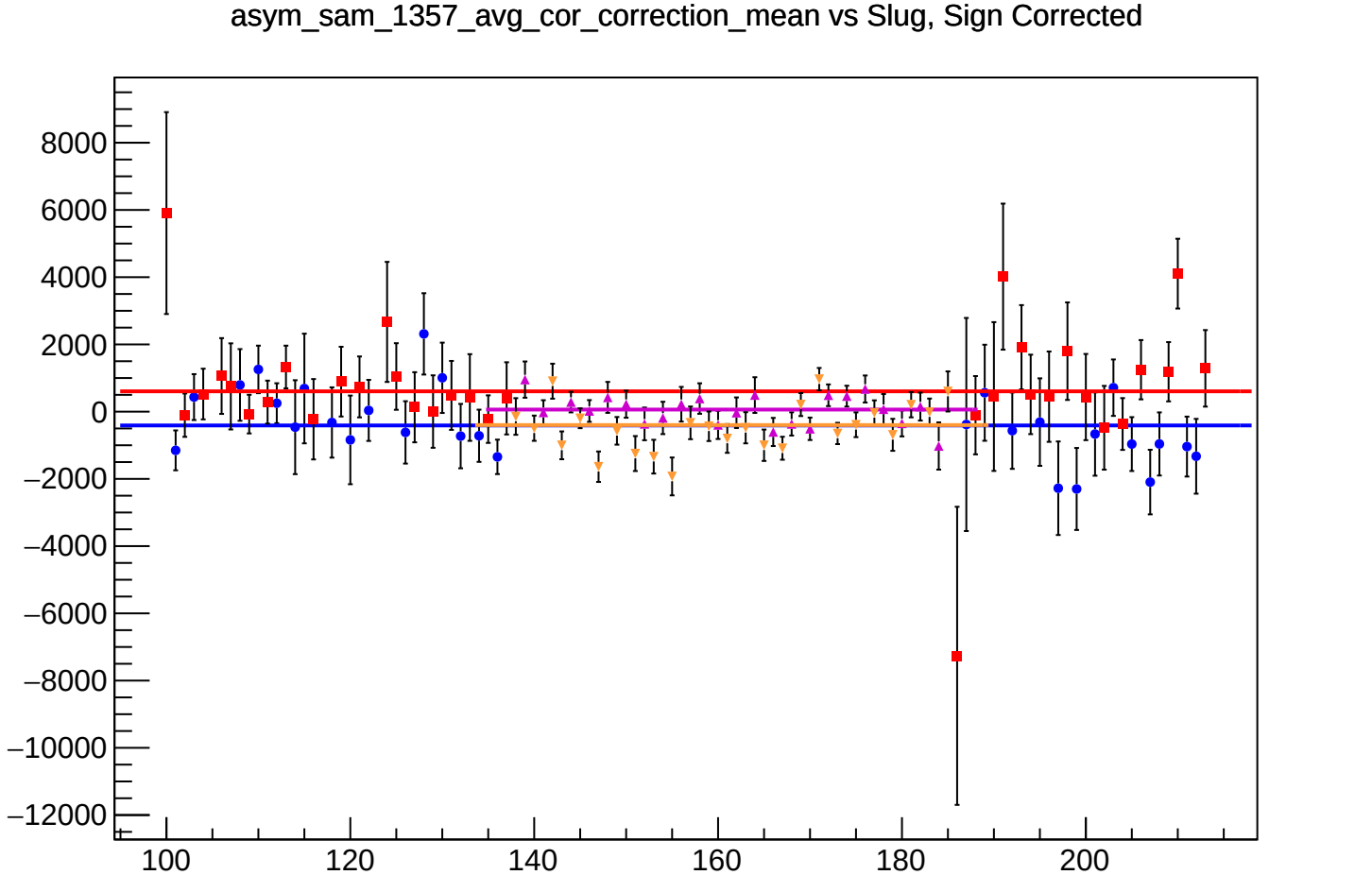
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 65.768+/-0.009 χ^2/NDF: 12132471.6/62

In: 55.386+/-0.007 χ^2/NDF:6728379.6/51

Out: 55.051+/-0.007 χ^2/NDF:8661104.8/58

All: 55.213+/-0.005 χ^2/NDF: 15390685.5/110



Right In: -410.329+/-169.846 χ^2/NDF: 34.1/28

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

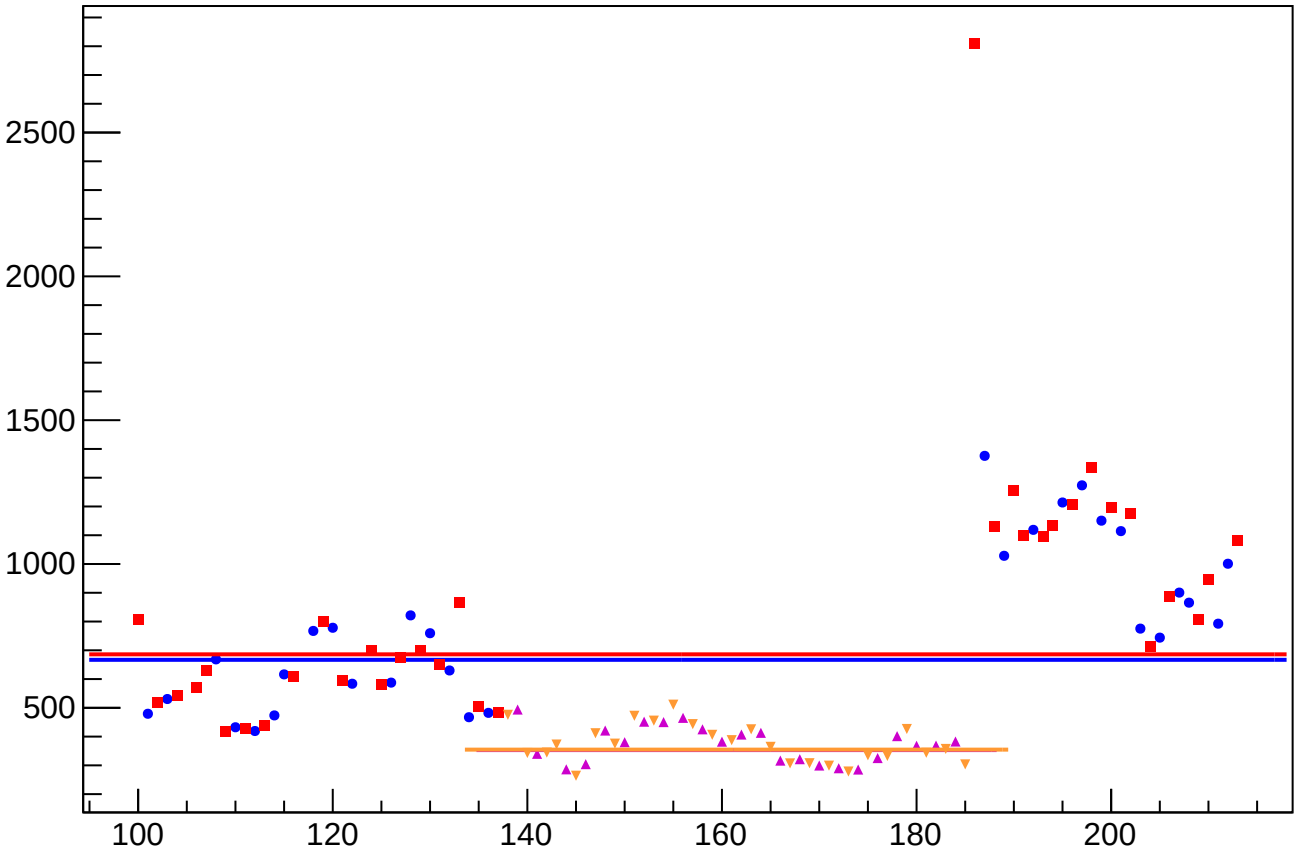
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 98.174+/-119.983 χ^2/NDF: 86.4/62

In: -30.604+/-75.217 χ^2/NDF:64.3/51

Out: -208.726+/-73.864 χ^2/NDF:128.2/58

All: -121.282+/-52.702 χ^2/NDF: 195.3/110



Right In: 666.888+/-0.120 χ^2/NDF: 3725991.6/28

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

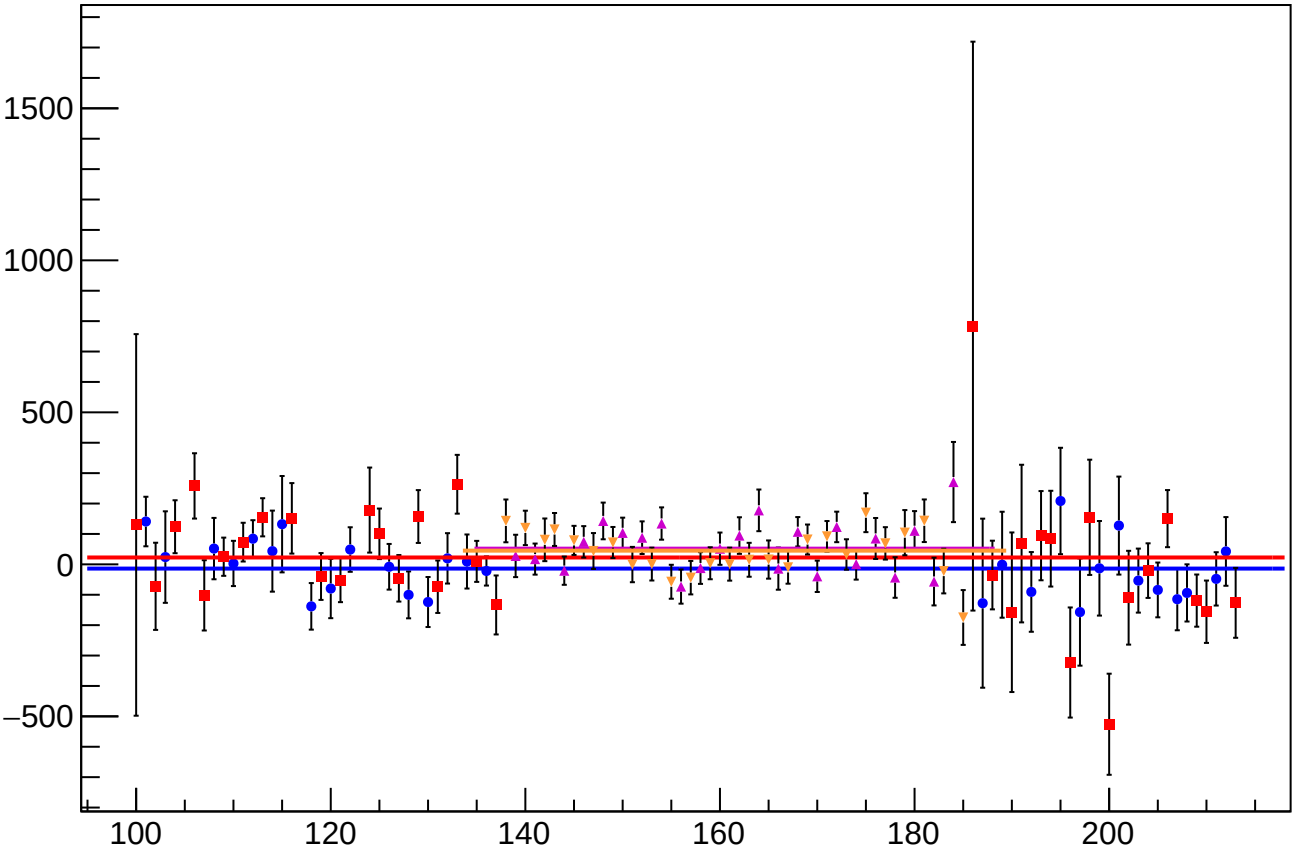
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 676.438+/-0.085 χ^2/NDF: 8664940.2/62

In: 414.649+/-0.053 χ^2/NDF:10217407.1/51

Out: 417.566+/-0.052 χ^2/NDF:12259812.3/58

All: 416.134+/-0.037 χ^2/NDF: 22478751.1/11



Right In: -13.923+/-17.199 χ^2/NDF: 21.3/28

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

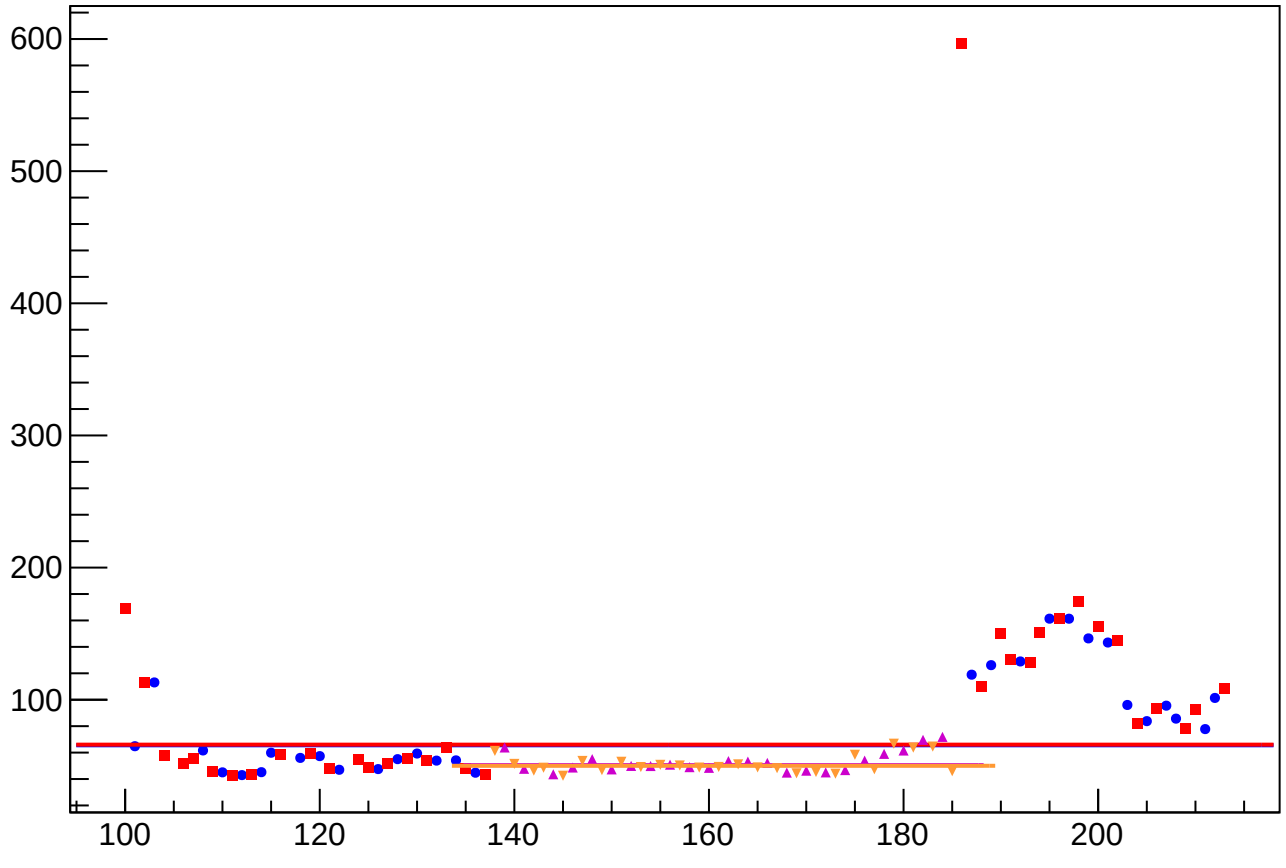
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 4.578+/-12.079 χ^2/NDF: 81.9/62

In: 30.329+/-9.802 χ^2/NDF:67.0/51

Out: 38.014+/-9.516 χ^2/NDF:90.8/58

All: 34.285+/-6.828 χ^2/NDF: 158.1/110



Right In: 65.518+/-0.012 χ^2/NDF: 5197076.7/28

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

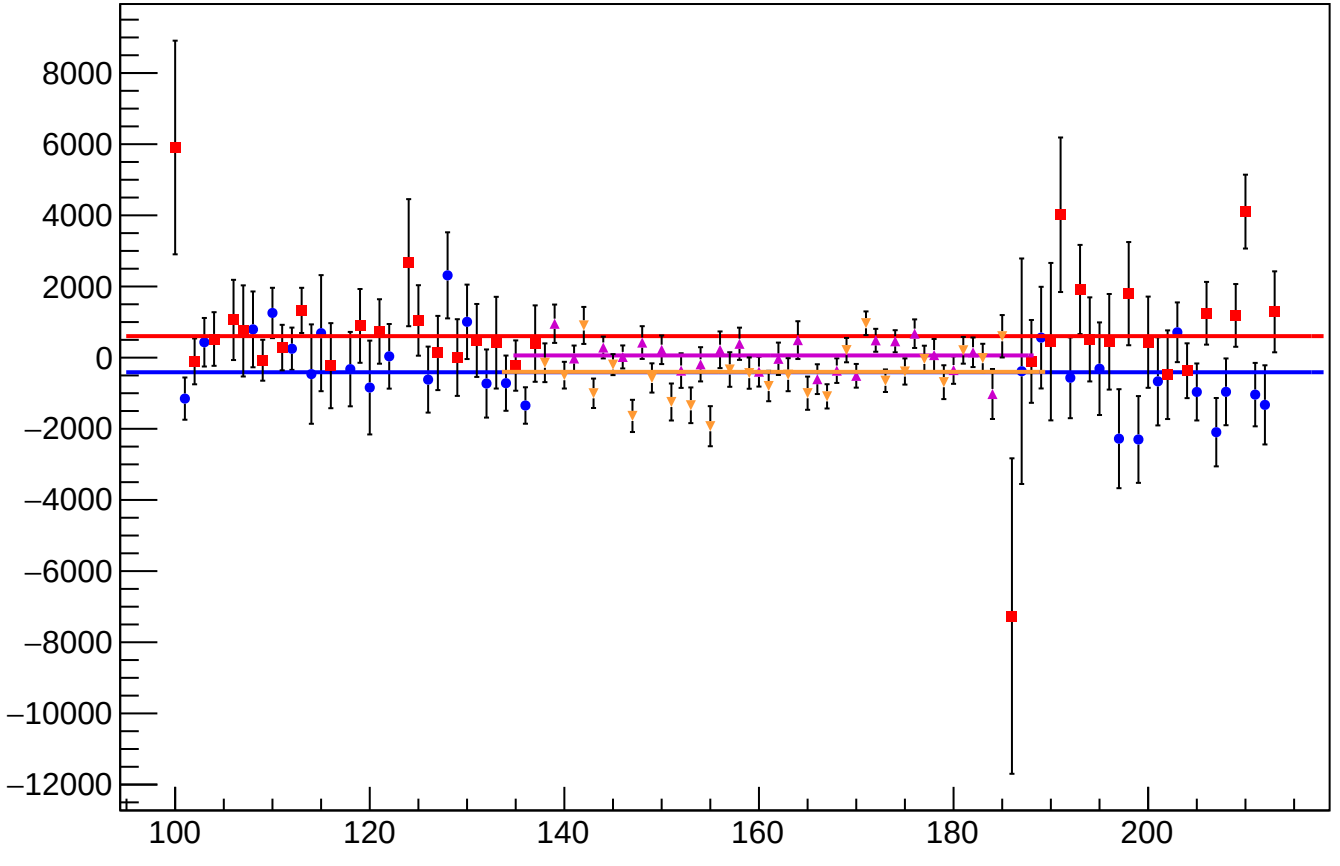
Right: 65.768+/-0.009 χ^2/NDF: 12132471.6/62

In: 55.386+/-0.007 χ^2/NDF:6728379.6/51

Out: 55.051+/-0.007 χ^2/NDF:8661104.8/58

All: 55.213+/-0.005 χ^2/NDF: 15390685.5/110

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -410.329+/-169.846 χ^2/NDF: 34.1/28

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

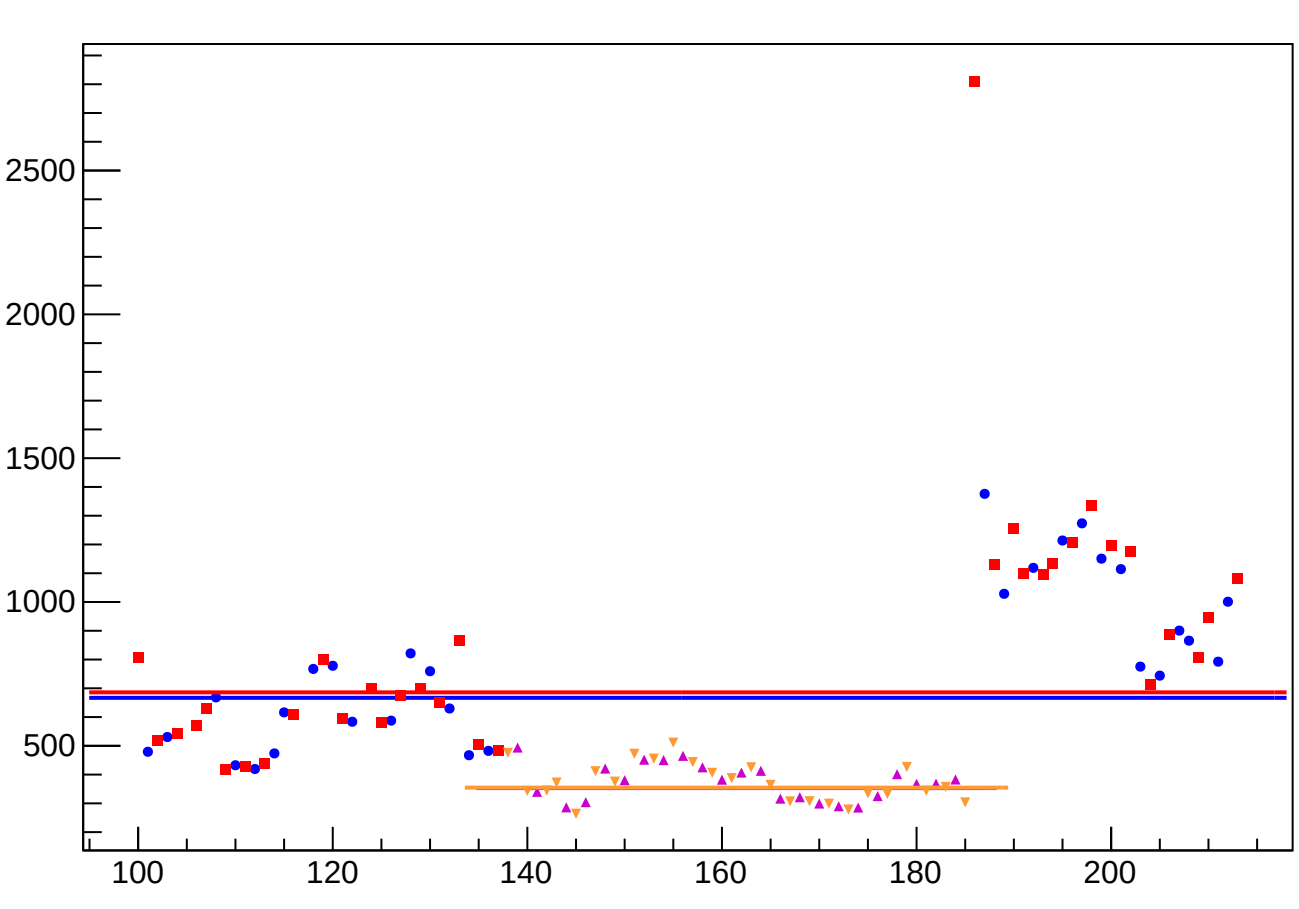
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 98.174+/-119.983 χ^2/NDF: 86.4/62

In: -30.604+/-75.217 χ^2/NDF:64.3/51

Out: -208.726+/-73.864 χ^2/NDF:128.2/58

All: -121.282+/-52.702 χ^2/NDF: 195.3/110



Right In: 666.888+/-0.120 χ^2/NDF: 3725991.6/28

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

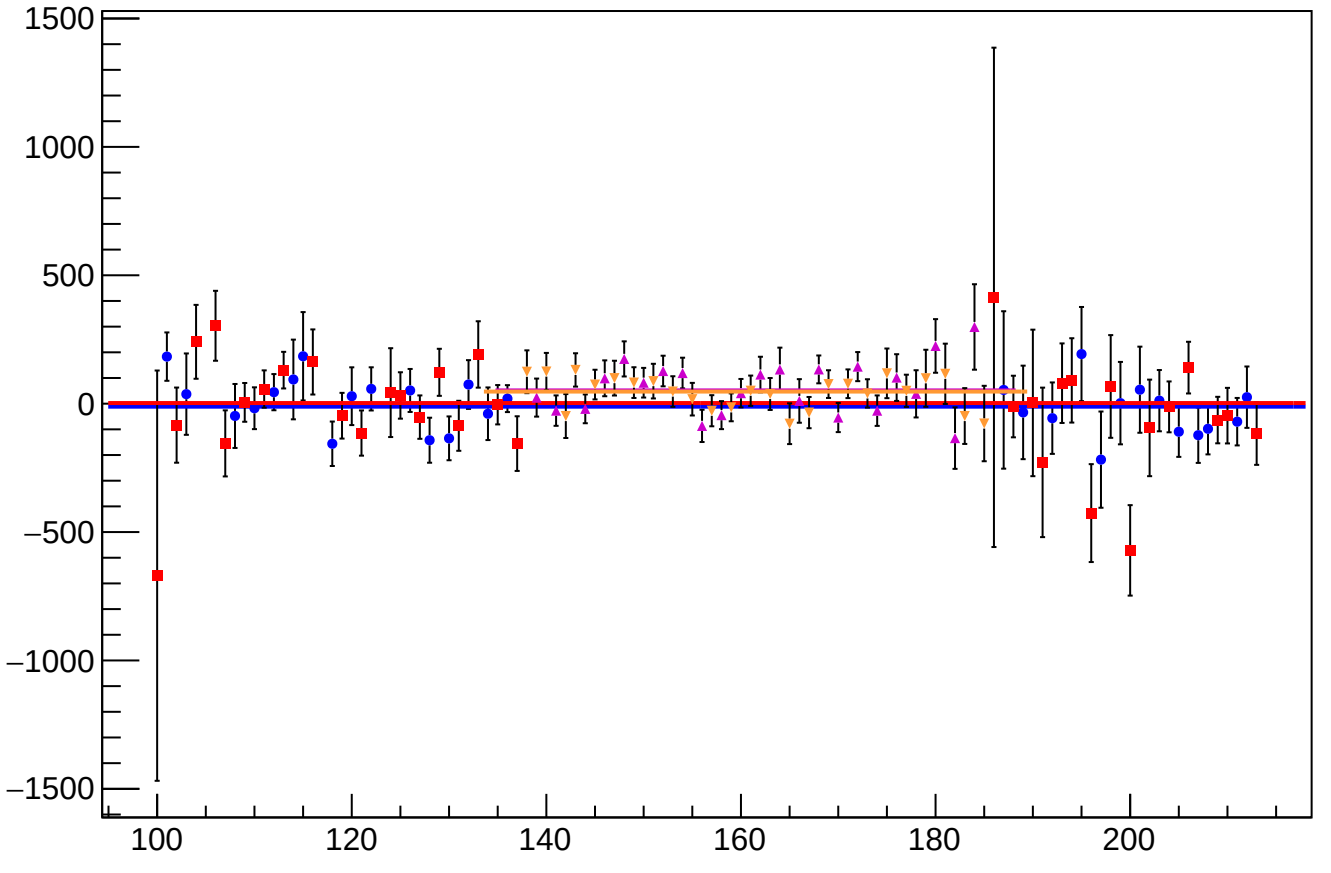
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 676.438+/-0.085 χ^2/NDF: 8664940.2/62

In: 414.649+/-0.053 χ^2/NDF:10217407.1/51

Out: 417.566+/-0.052 χ^2/NDF:12259812.3/58

All: 416.134+/-0.037 χ^2/NDF: 22478751.1/11



Right In: -11.666+/-19.062 χ^2/NDF: 22.7/28

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

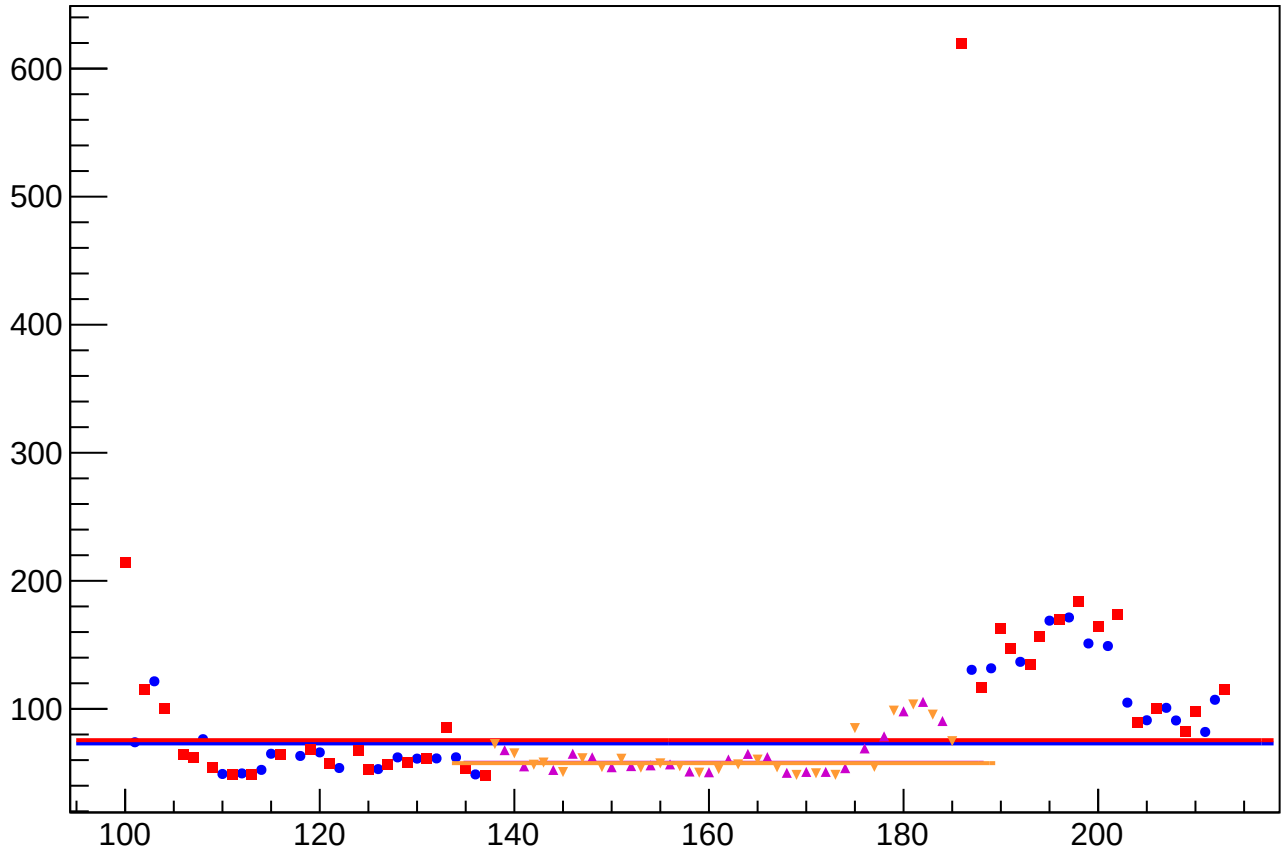
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -4.696+/-13.555 χ^2/NDF: 69.1/62

In: 29.602+/-11.249 χ^2/NDF:68.1/51

Out: 32.421+/-11.064 χ^2/NDF:66.7/58

All: 31.035+/-7.888 χ^2/NDF: 134.8/110



Right In: 73.027+/-0.013 χ^2/NDF: 4691833.0/28

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

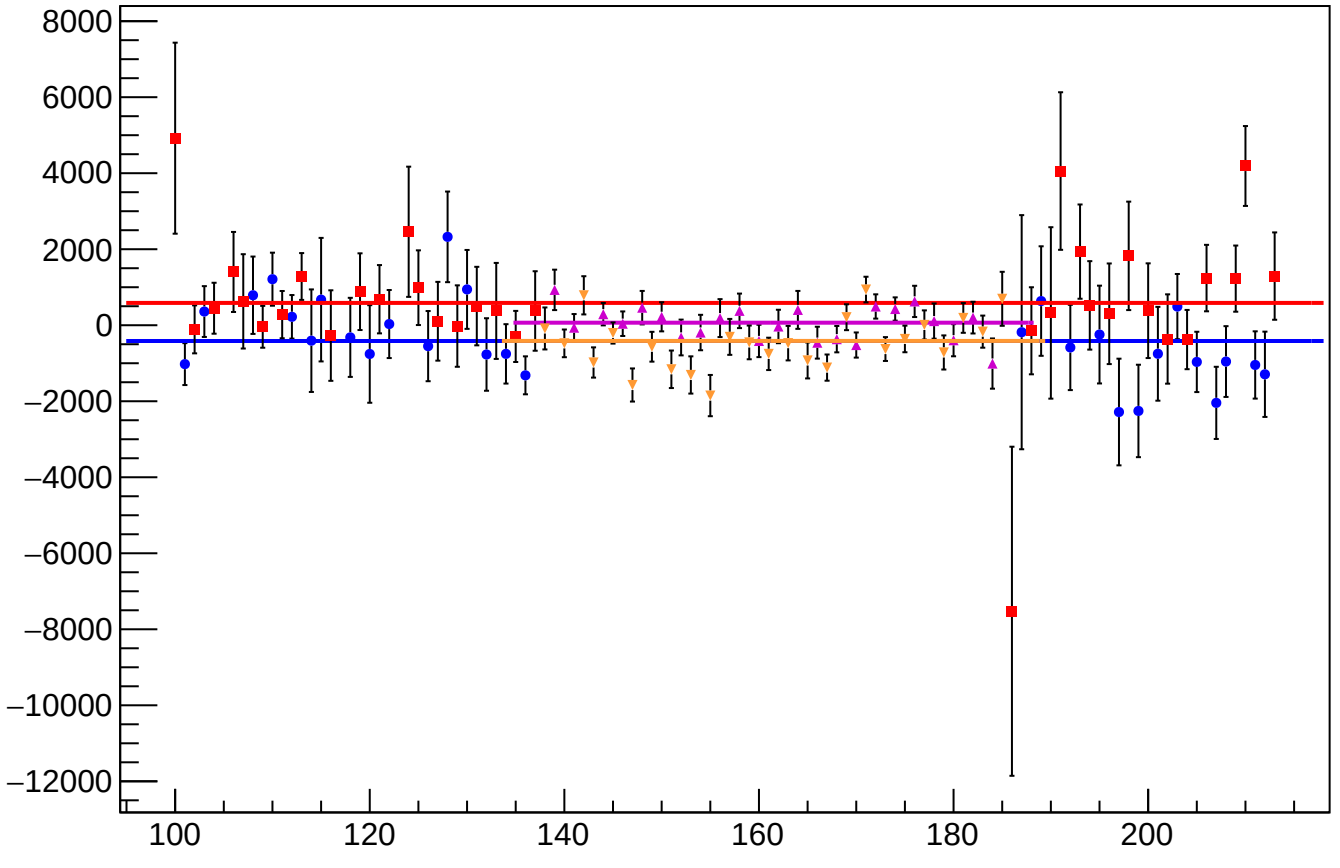
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 74.282+/-0.010 χ^2/NDF: 11035006.9/62

In: 63.194+/-0.008 χ^2/NDF:6632942.4/51

Out: 63.538+/-0.008 χ^2/NDF:8851714.7/58

All: 63.369+/-0.006 χ^2/NDF: 15485608.3/110



Right In: -414.846+/-166.767 χ^2/NDF: 32.7/28

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

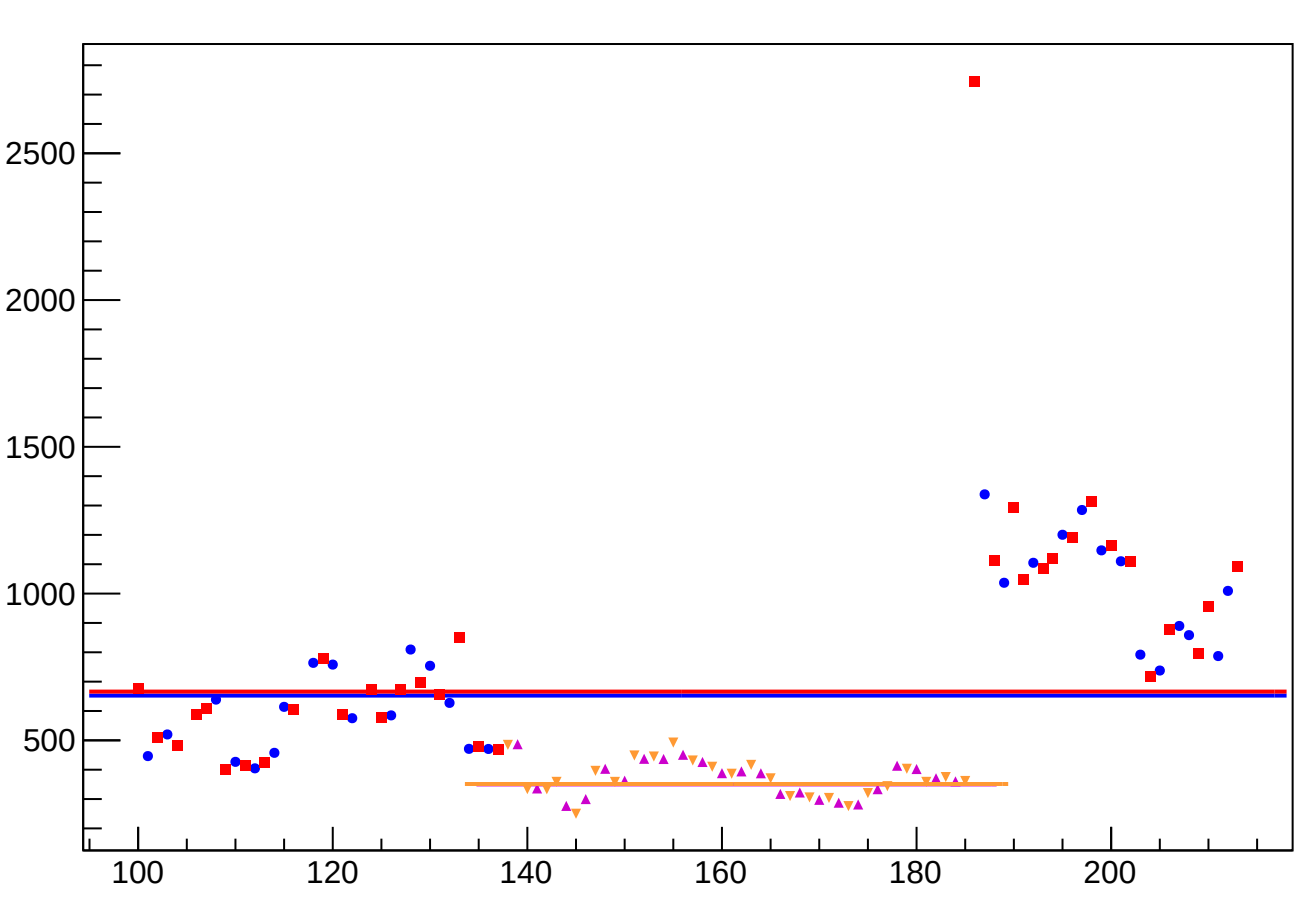
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 91.734+/-117.265 χ^2/NDF: 87.1/62

In: -29.102+/-74.364 χ^2/NDF:62.3/51

Out: -218.152+/-72.802 χ^2/NDF:127.1/58

All: -125.634+/-52.022 χ^2/NDF: 192.7/110



Right In: 652.496+/-0.118 χ^2/NDF: 3963529.6/28

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

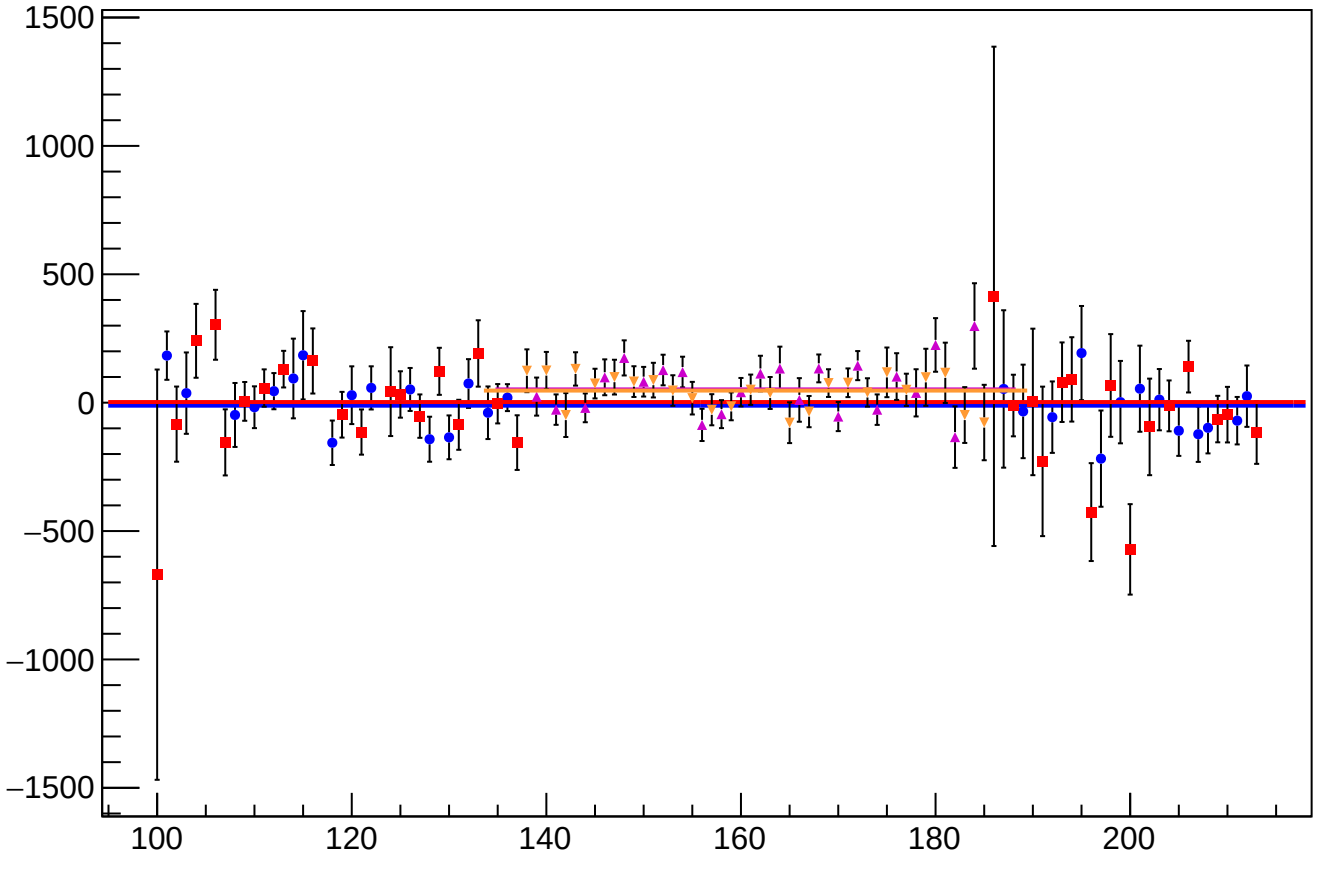
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 659.374+/-0.083 χ^2/NDF: 9144288.2/62

In: 409.999+/-0.053 χ^2/NDF:10232317.6/51

Out: 412.612+/-0.051 χ^2/NDF:12160501.6/58

All: 411.333+/-0.037 χ^2/NDF: 22394079.8/11



Right In: -11.666+/-19.062 χ^2/NDF: 22.7/28

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

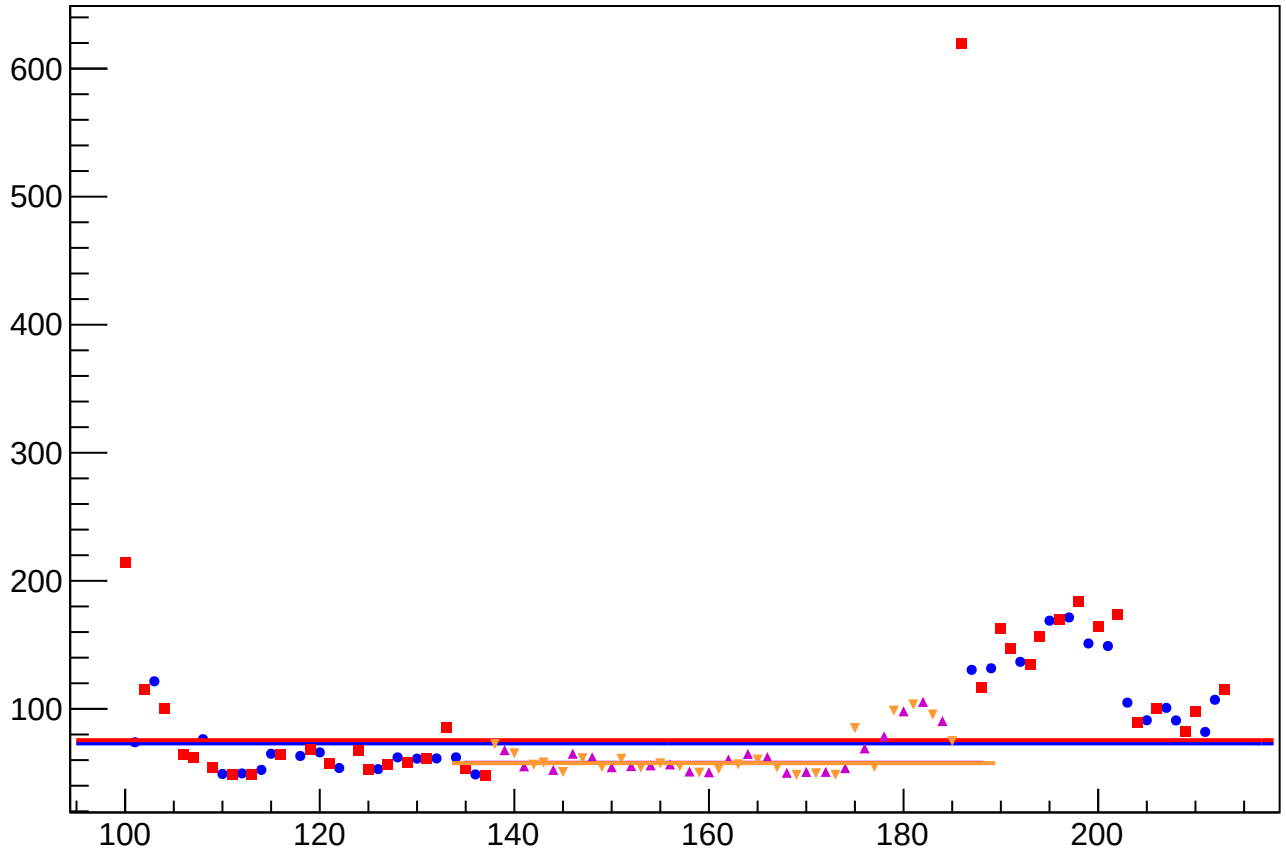
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -4.697+/-13.555 χ^2/NDF: 69.1/62

In: 29.602+/-11.249 χ^2/NDF:68.1/51

Out: 32.421+/-11.065 χ^2/NDF:66.7/58

All: 31.035+/-7.888 χ^2/NDF: 134.8/110



Right In: 73.027+/-0.013 χ^2/NDF: 4691809.3/28

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

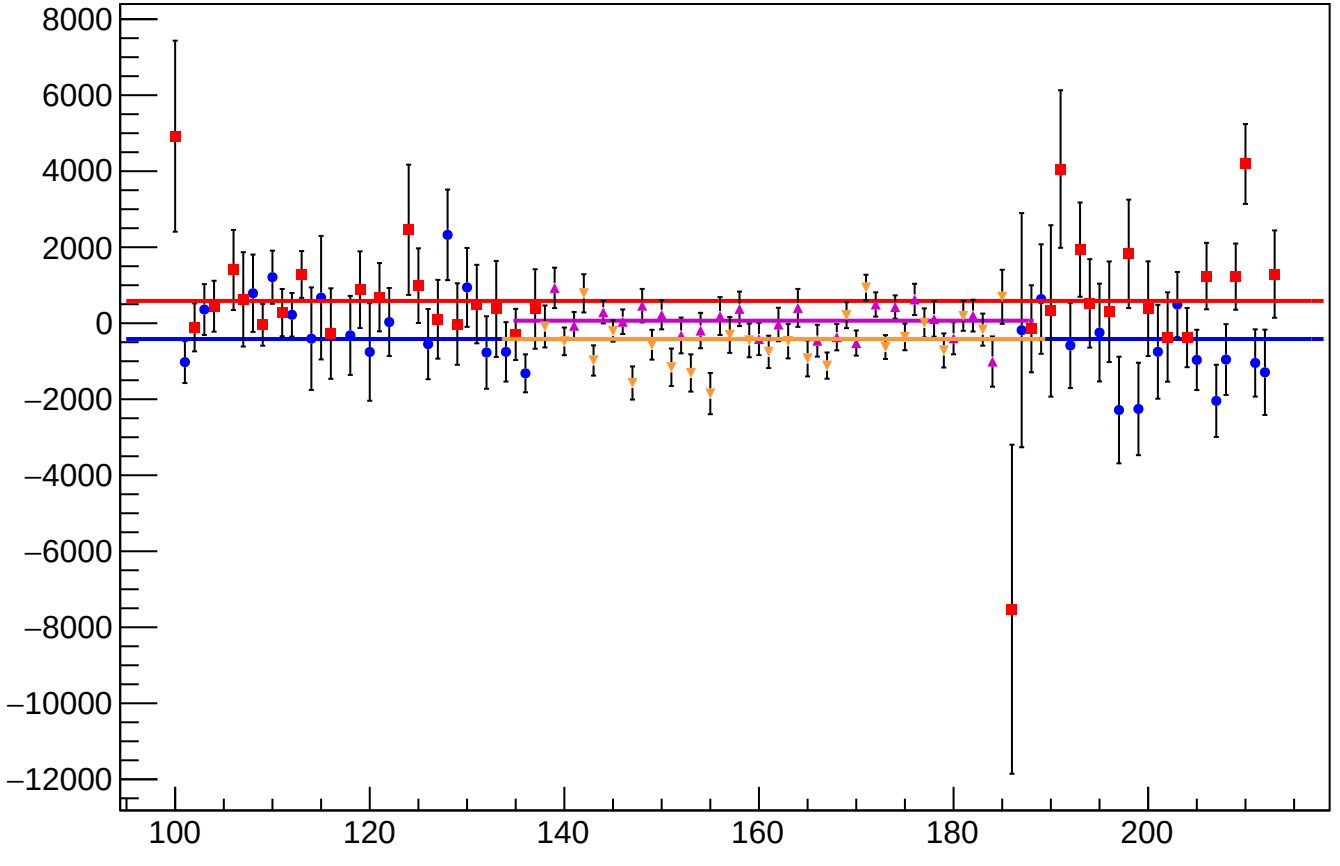
Right: 74.282+/-0.010 χ^2/NDF: 11034965.2/62

In: 63.194+/-0.008 χ^2/NDF:6632900.4/51

Out: 63.538+/-0.008 χ^2/NDF:8851691.4/58

All: 63.369+/-0.006 χ^2/NDF: 15485543.0/110

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -414.845+/-166.767 χ^2/NDF: 32.7/28

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

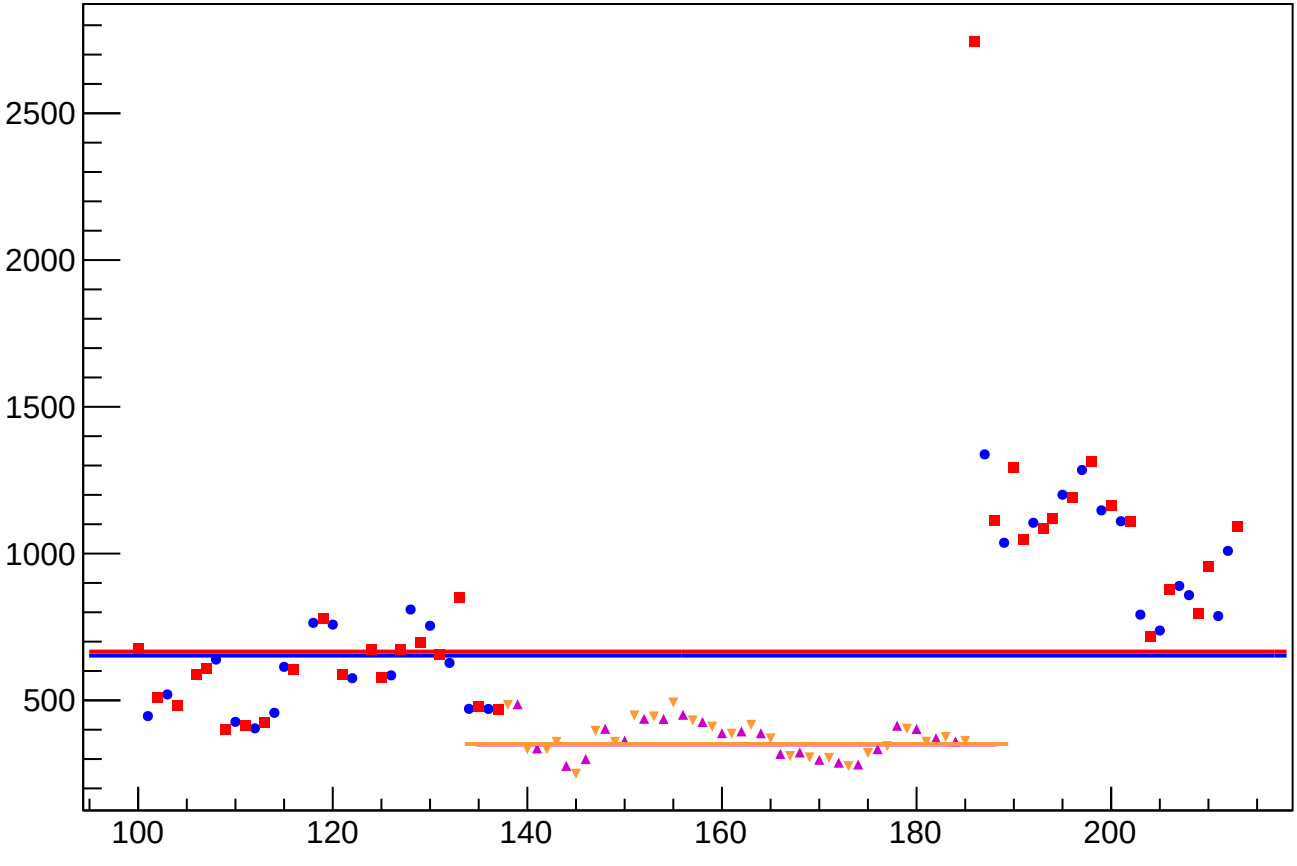
Right: 91.734+/-117.265 χ^2/NDF: 87.1/62

In: -29.103+/-74.364 χ^2/NDF:62.3/51

Out: -218.151+/-72.802 χ^2/NDF:127.1/58

All: -125.634+/-52.022 χ^2/NDF: 192.7/110

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 652.495+/-0.118 χ^2/NDF: 3963541.2/28

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

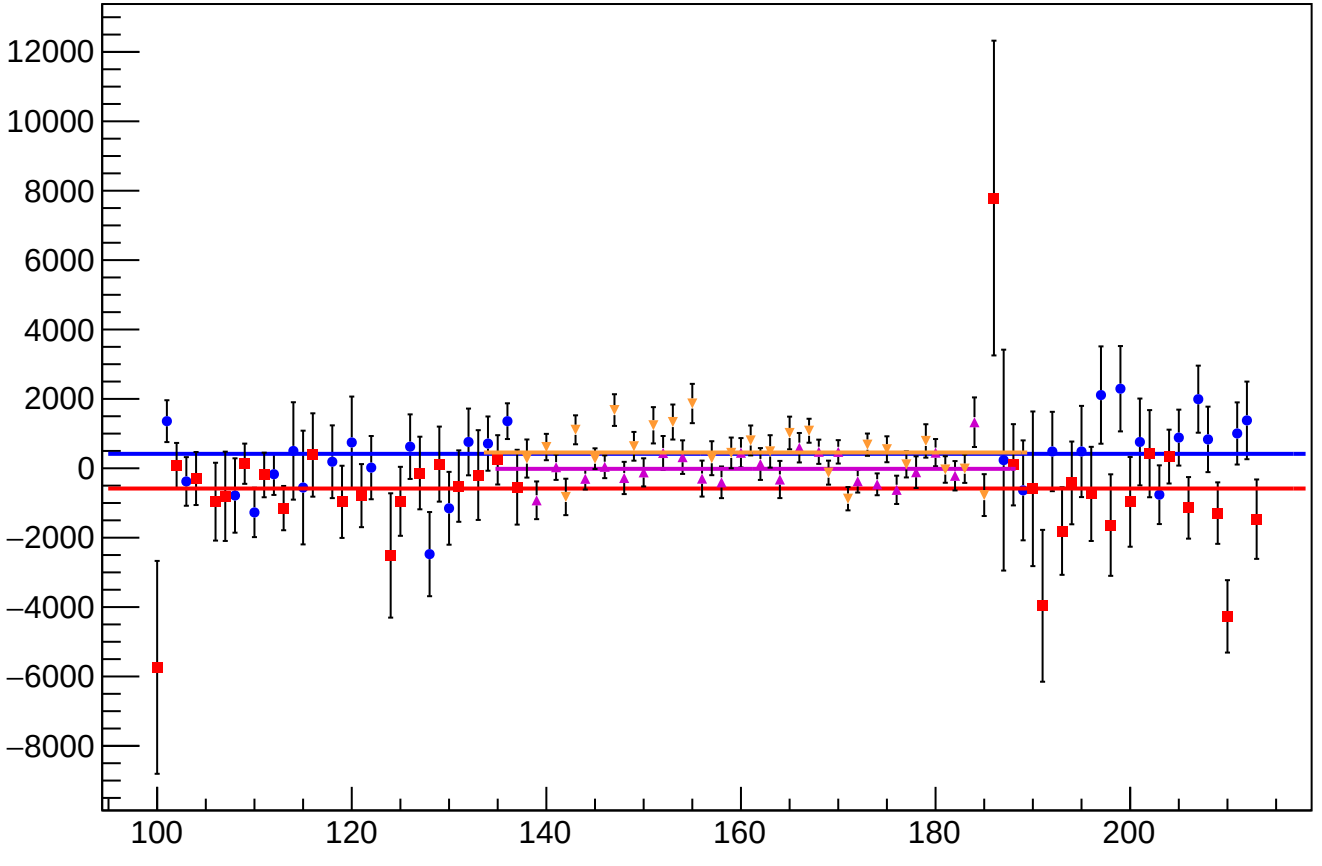
Right: 659.373+/-0.083 χ^2/NDF: 9144307.9/62

In: 409.999+/-0.053 χ^2/NDF:10232303.7/51

Out: 412.612+/-0.051 χ^2/NDF:12160490.7/58

All: 411.333+/-0.037 χ^2/NDF: 22394054.9/1

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 416.590+/-171.163 χ^2/NDF: 34.5/28

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

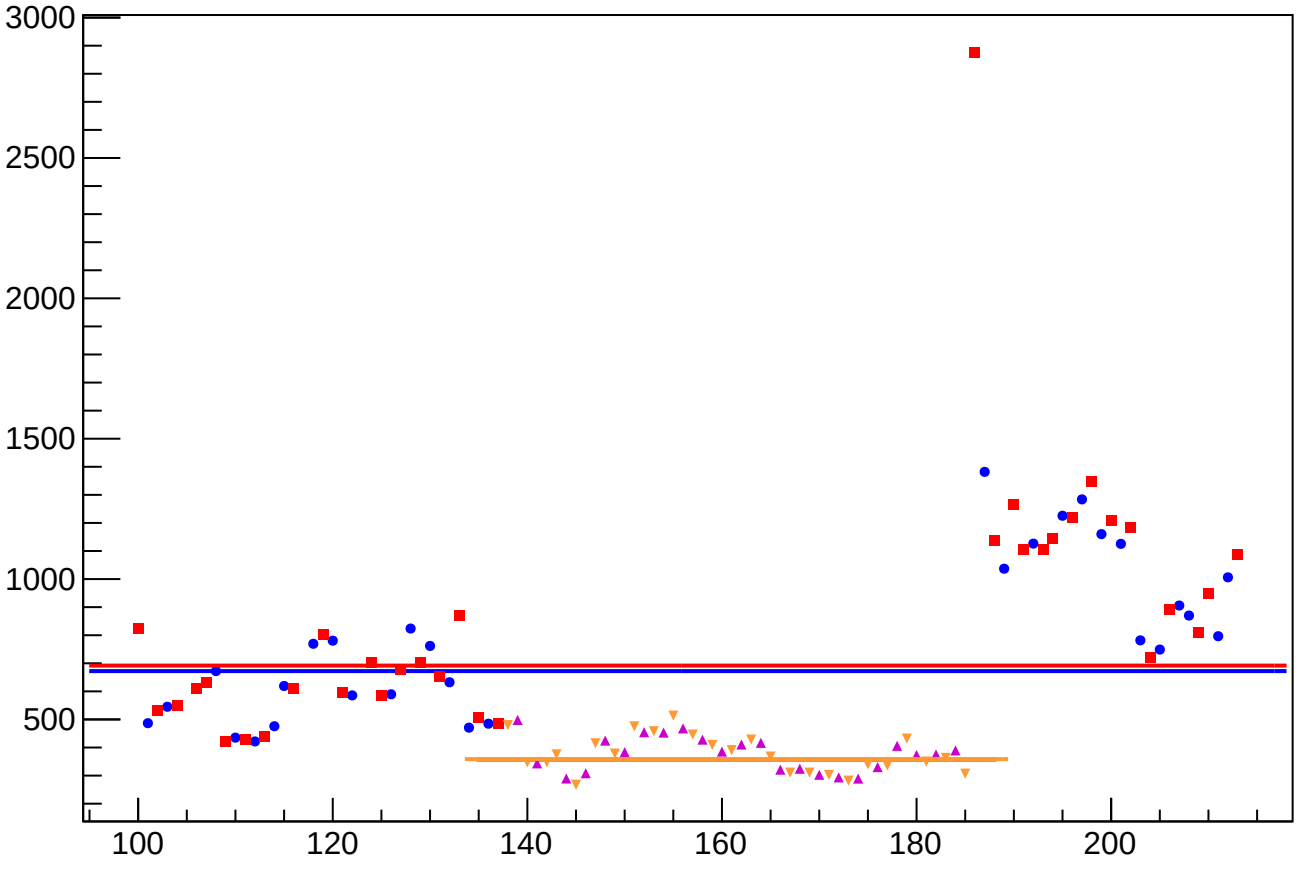
Right: -84.604+/-120.875 χ^2/NDF: 86.4/62

In: 69.246+/-76.008 χ^2/NDF:64.5/51

Out: 256.861+/-74.617 χ^2/NDF:125.6/58

All: 164.785+/-53.247 χ^2/NDF: 193.2/110

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 672.217+/-0.121 χ^2/NDF: 3709223.5/28

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

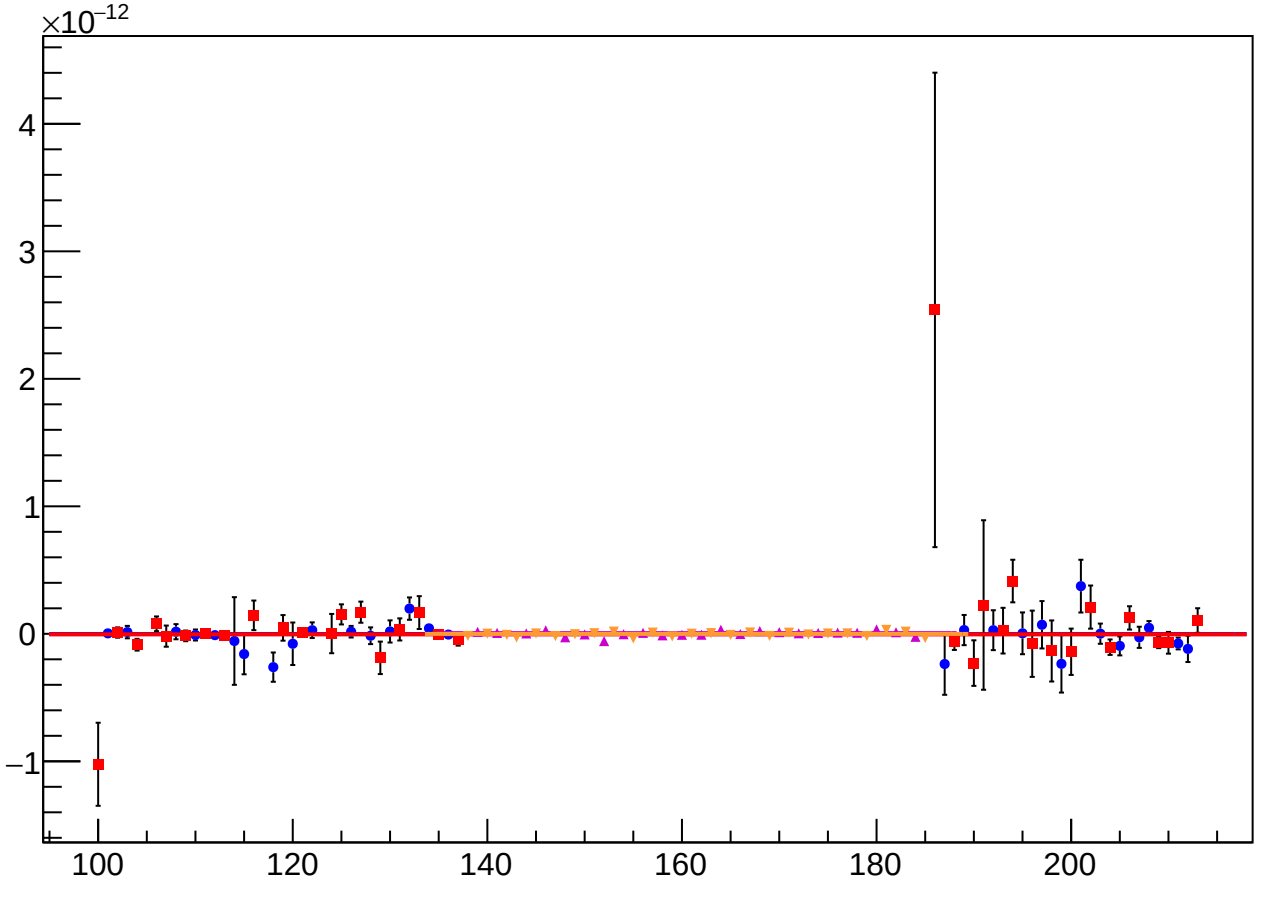
Right: 682.051+/-0.085 χ^2/NDF: 8632577.6/62

In: 419.306+/-0.054 χ^2/NDF:10130123.0/51

Out: 422.318+/-0.053 χ^2/NDF:12191056.0/58

All: 420.840+/-0.038 χ^2/NDF: 22322779.0/11

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/28

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

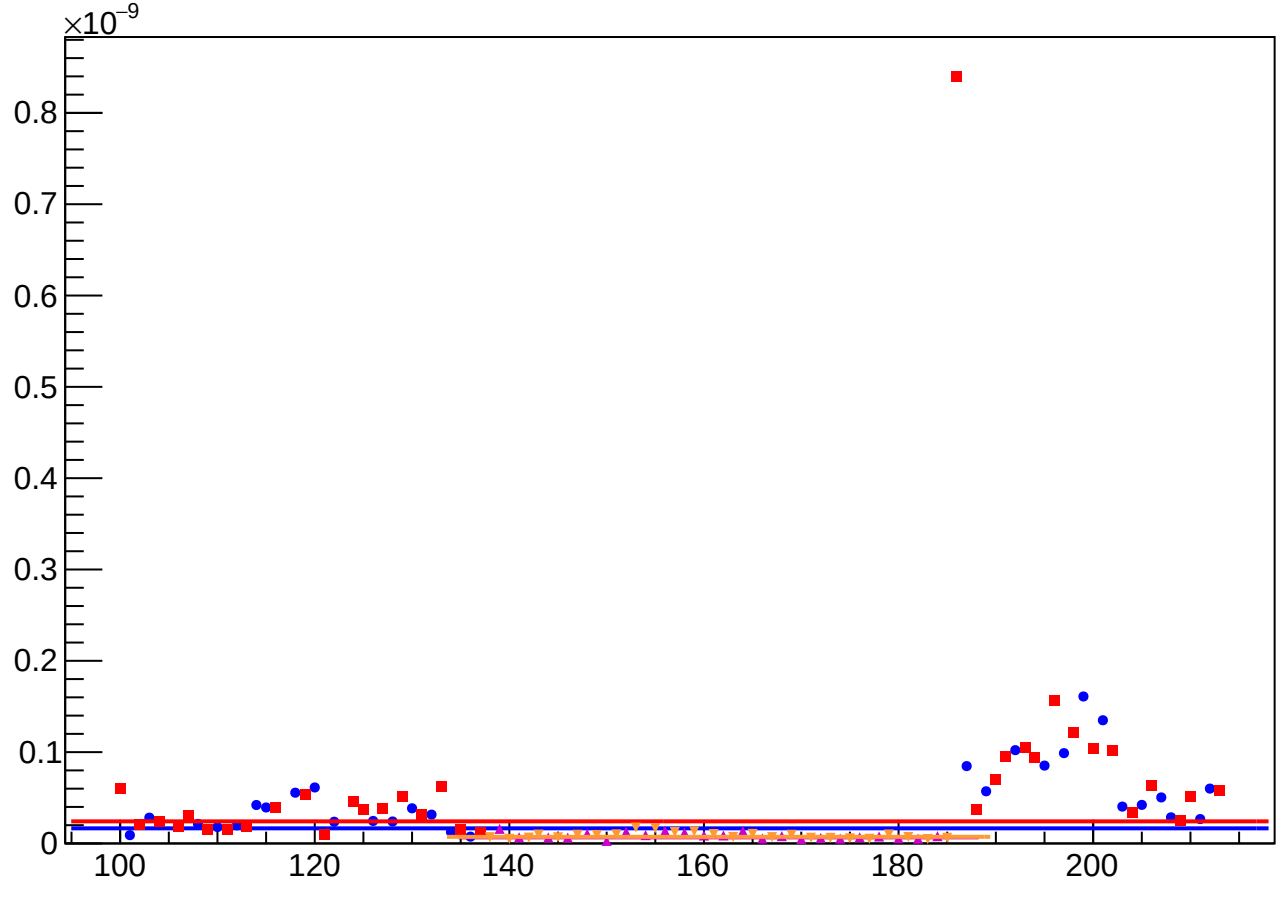
Right: -0.000+/-0.000 χ^2/NDF: 77.9/62

In: 0.000+/-0.000 χ^2/NDF:54.9/51

Out: -0.000+/-0.000 χ^2/NDF:70.4/58

All: 0.000+/-0.000 χ^2/NDF: 127.6/110

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6605203.3/28

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

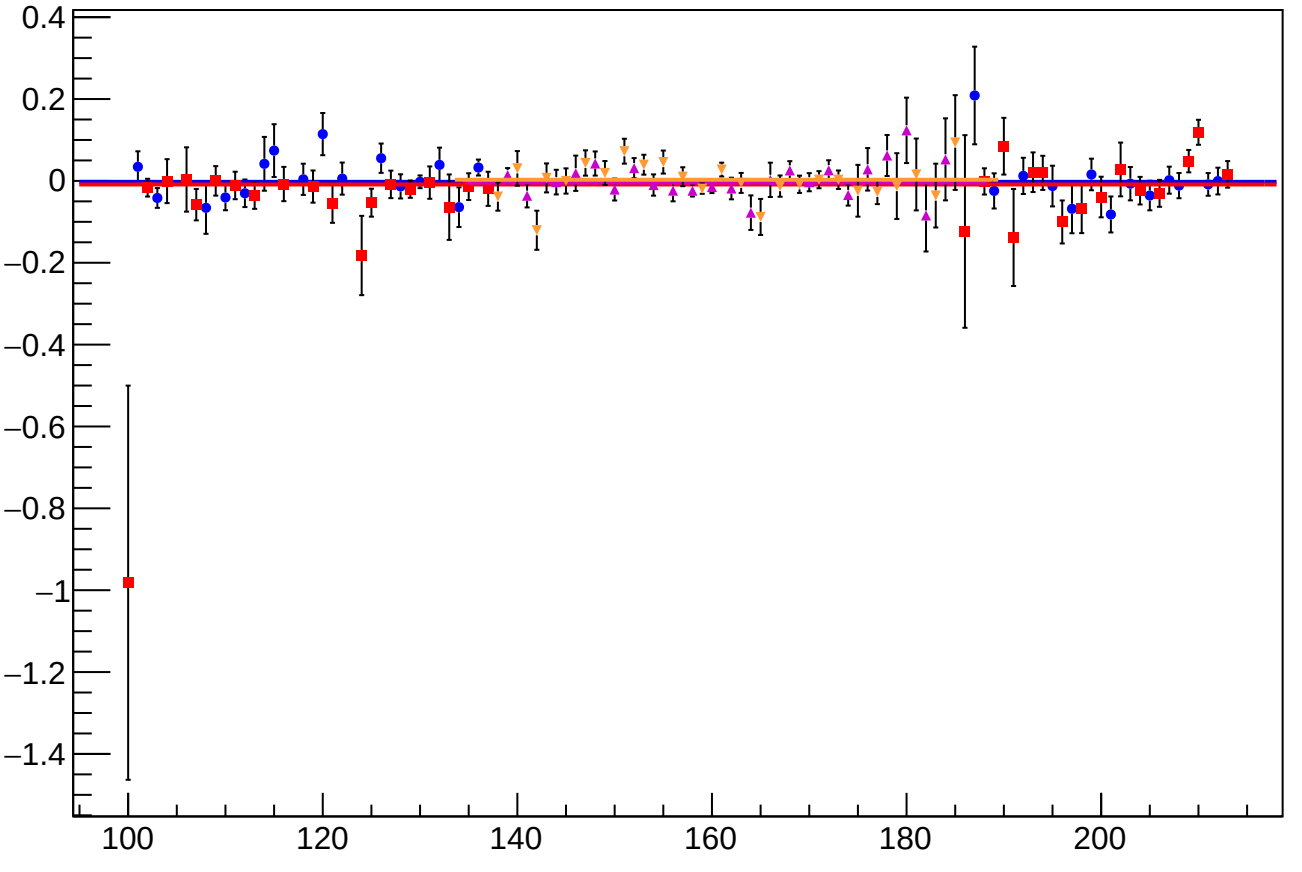
Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

Right: 0.000+/-0.000 χ^2/NDF: 12820550.8/62

In: 0.000+/-0.000 χ^2/NDF:10785105.4/51

Out: 0.000+/-0.000 χ^2/NDF:11540080.4/58

All: 0.000+/-0.000 χ^2/NDF: 22390393.0/110



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/28

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

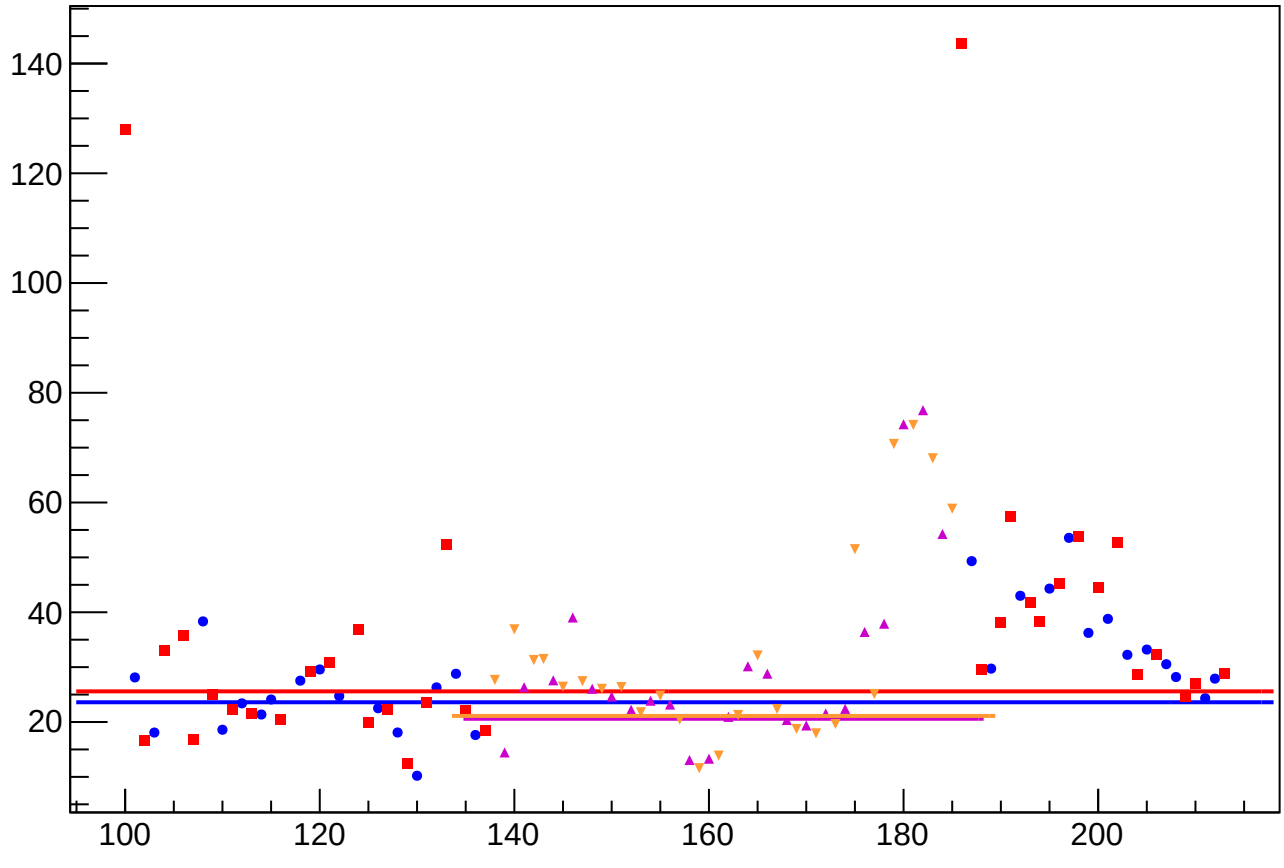
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.005+/-0.005 χ^2/NDF: 77.4/62

In: -0.003+/-0.004 χ^2/NDF:56.3/51

Out: -0.002+/-0.004 χ^2/NDF:79.9/58

All: -0.003+/-0.003 χ^2/NDF: 136.3/110



Right In: 23.598+/-0.004 χ^2/NDF: 4335254.7/28

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

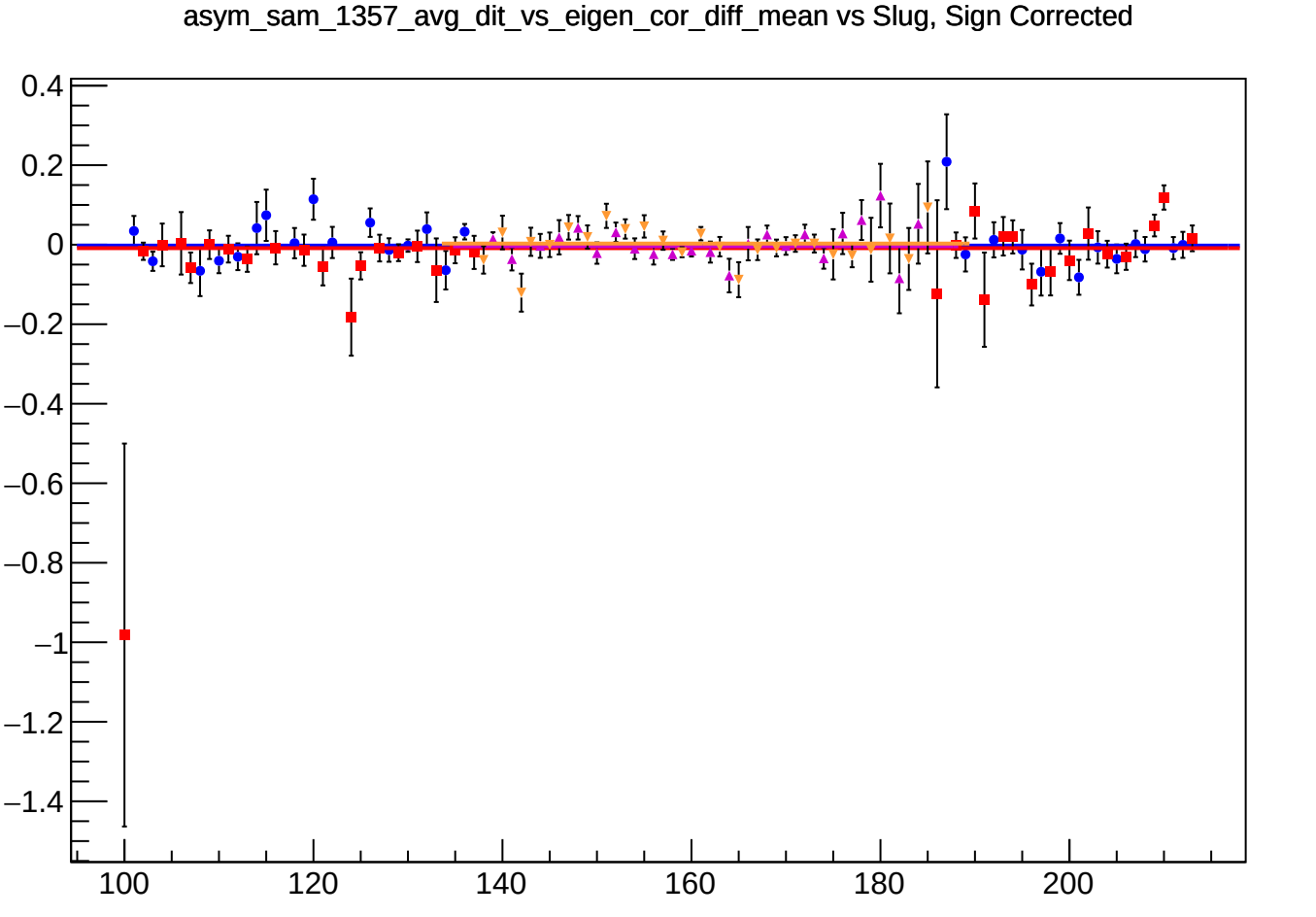
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.544+/-0.003 χ^2/NDF: 8998200.8/62

In: 21.868+/-0.003 χ^2/NDF:9194651.1/51

Out: 22.913+/-0.003 χ^2/NDF:10658835.7/58

All: 22.379+/-0.002 χ^2/NDF: 19916368.9/110



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/28

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

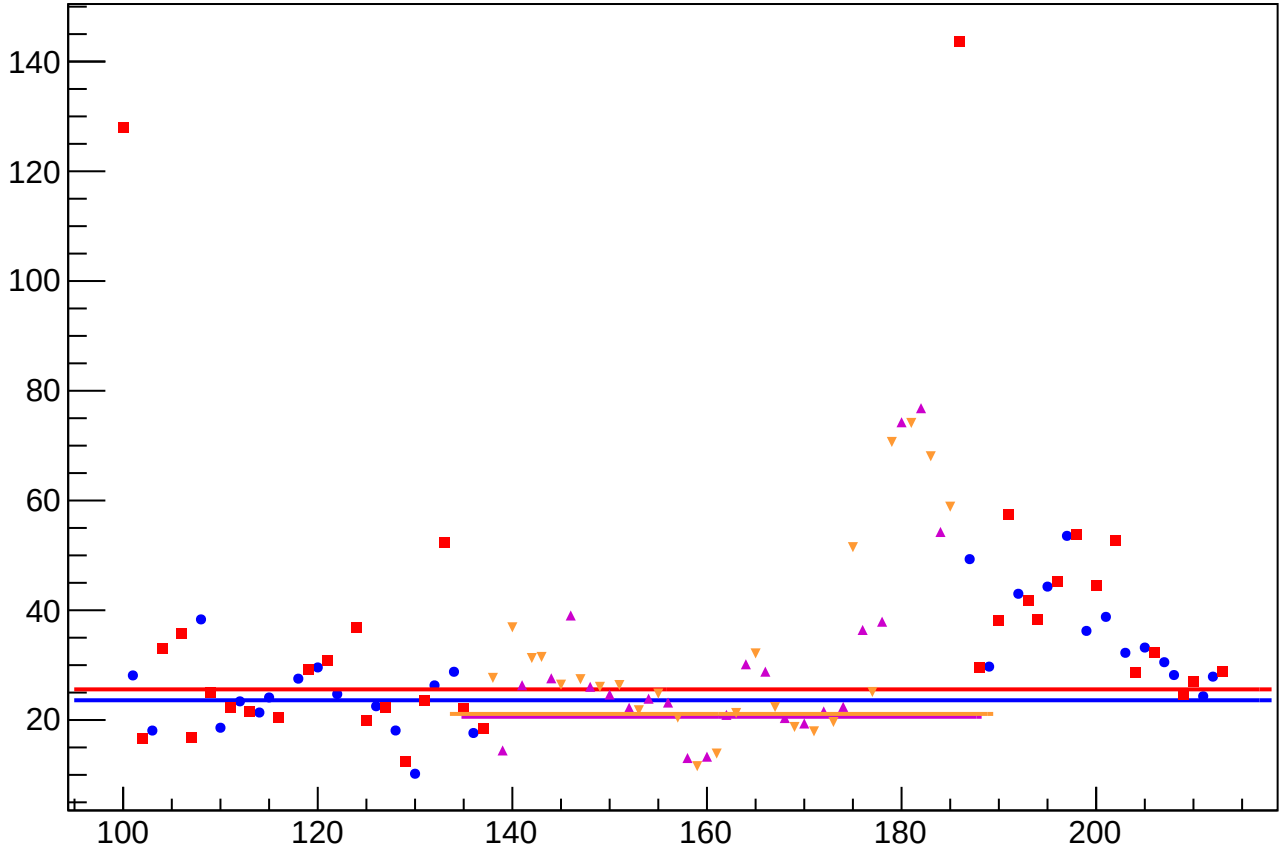
Right: -0.005+/-0.005 χ^2/NDF: 77.4/62

In: -0.003+/-0.004 χ^2/NDF:56.3/51

Out: -0.002+/-0.004 χ^2/NDF:79.9/58

All: -0.003+/-0.003 χ^2/NDF: 136.3/110

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.598+/-0.004 χ^2/NDF: 4335254.7/28

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

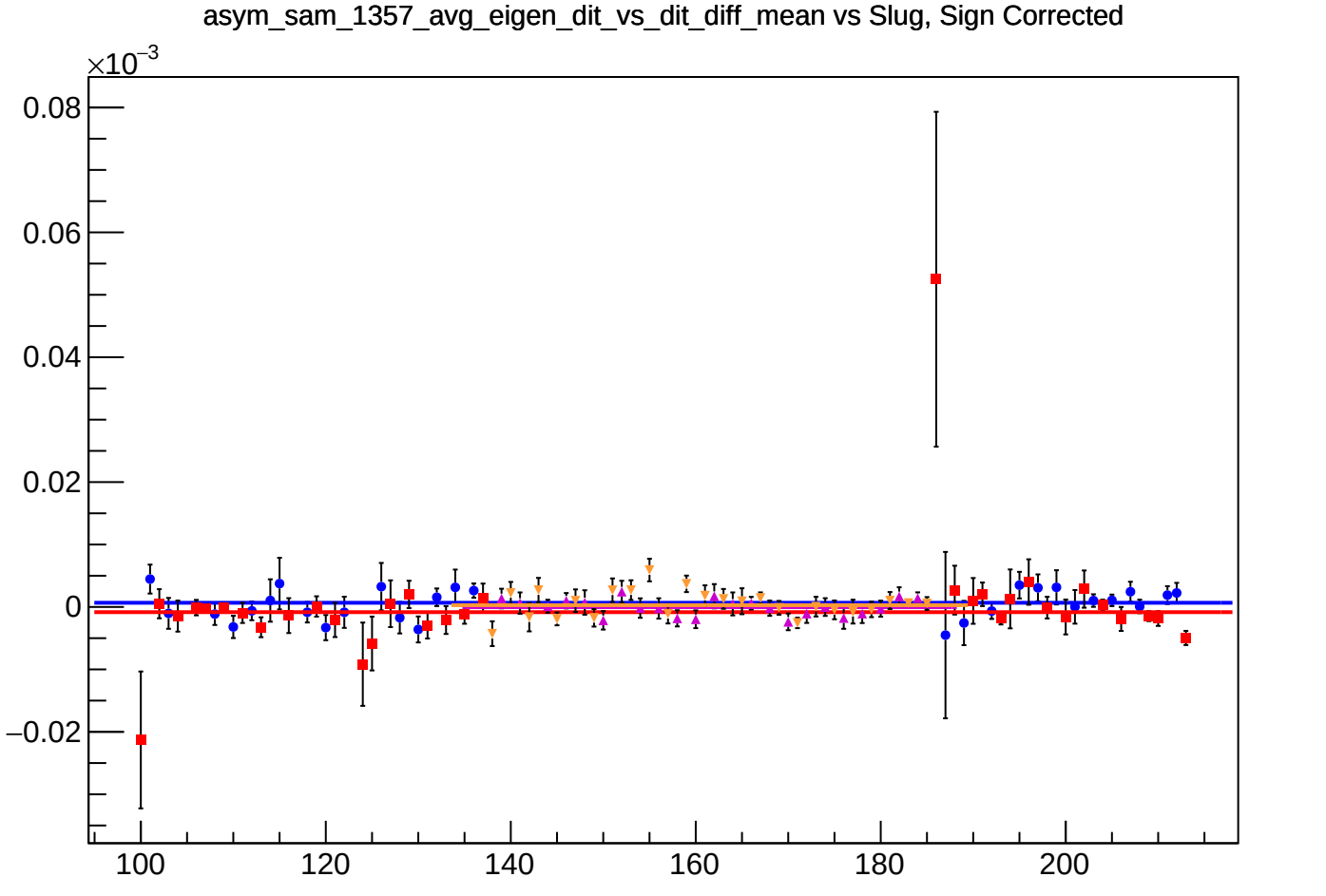
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.544+/-0.003 χ^2/NDF: 8998200.8/62

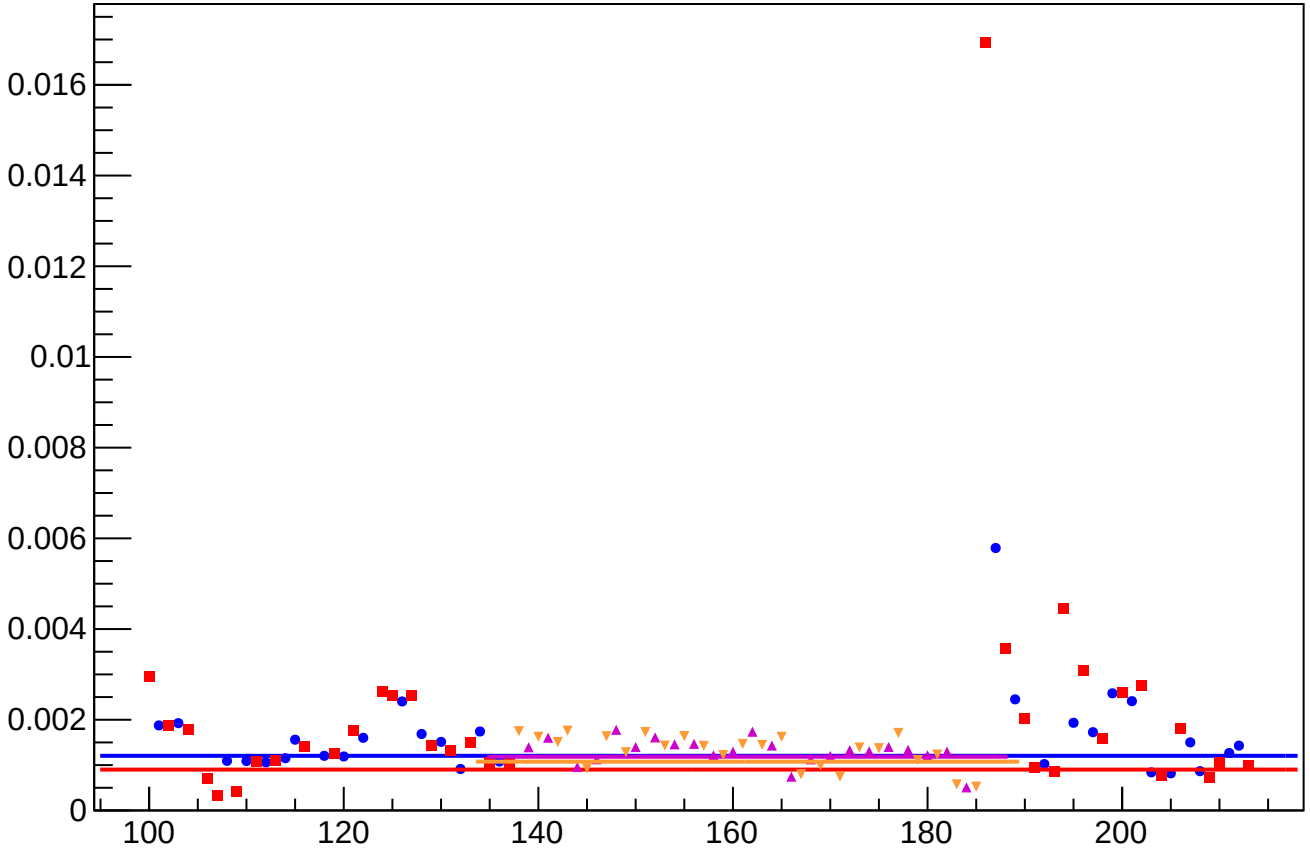
In: 21.868+/-0.003 χ^2/NDF:9194651.1/51

Out: 22.913+/-0.003 χ^2/NDF:10658835.7/58

All: 22.379+/-0.002 χ^2/NDF: 19916368.9/110


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: 34.4/28
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: 93.1/62
In: 0.000+/-0.000 χ²/NDF:56.8/51
Out: -0.000+/-0.000 χ²/NDF:107.0/58
All: -0.000+/-0.000 χ²/NDF: 168.1/110

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3634168.7/28

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11183920.4/33

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

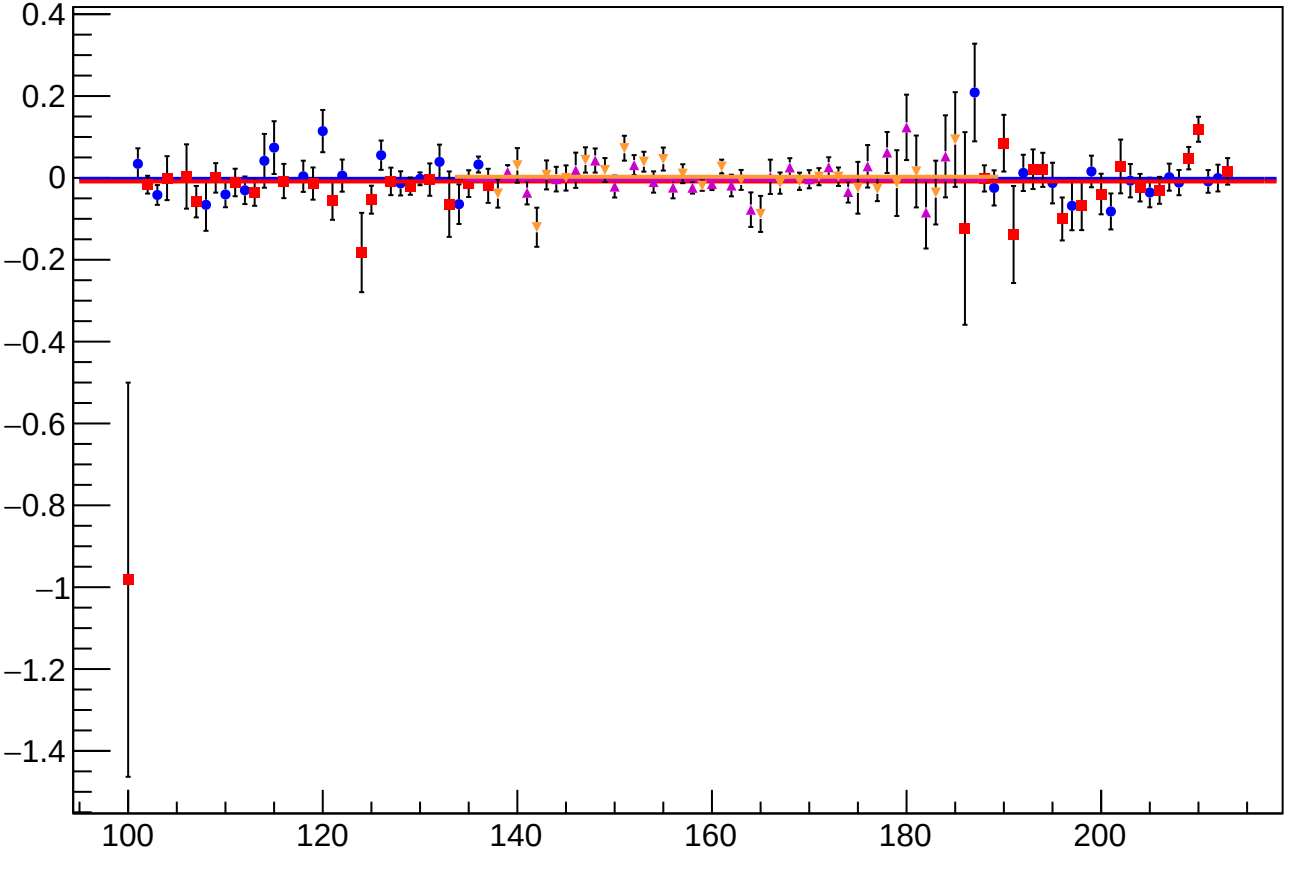
Right: 0.001+/-0.000 χ^2/NDF: 15932978.7/62

In: 0.001+/-0.000 χ^2/NDF:6095165.8/51

Out: 0.001+/-0.000 χ^2/NDF:16189807.1/58

All: 0.001+/-0.000 χ^2/NDF: 23378938.6/110

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/28

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

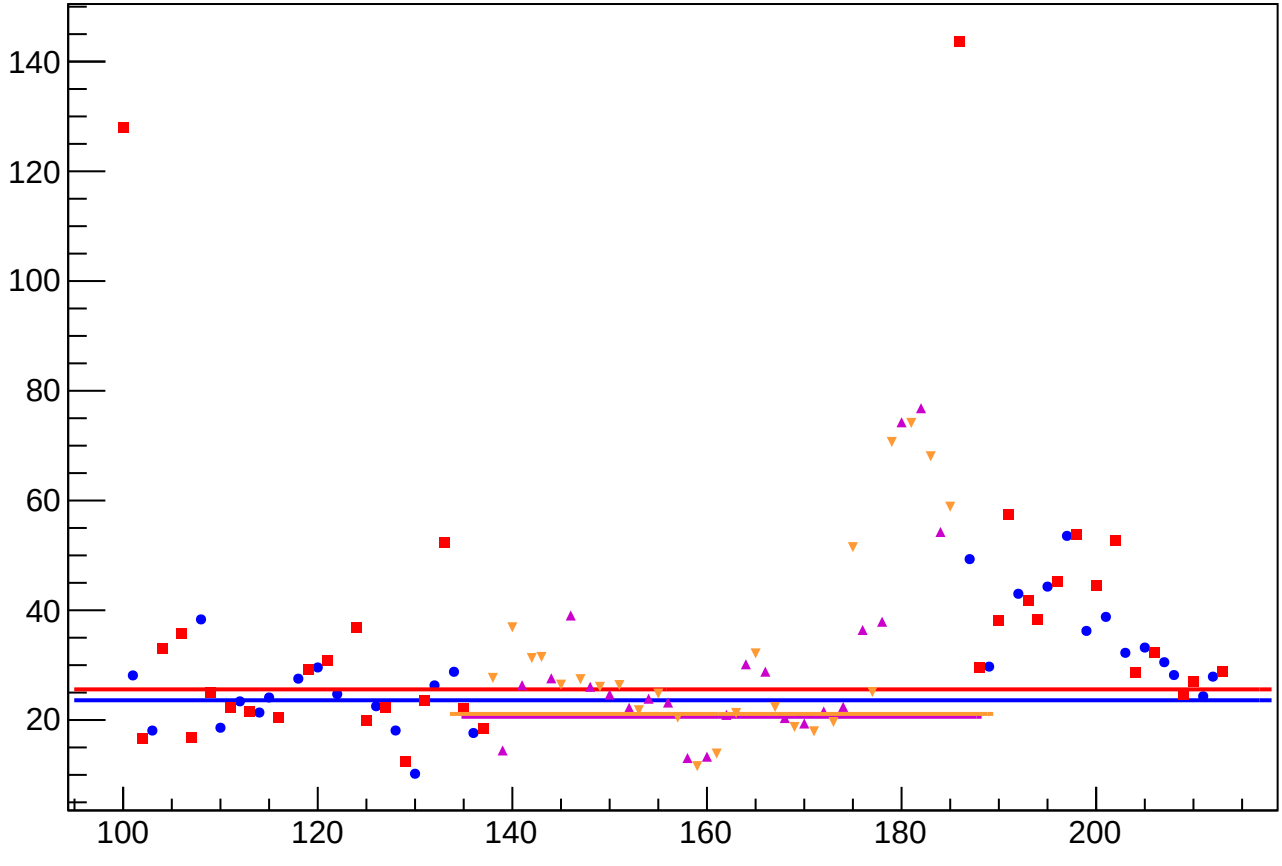
Right: -0.005+/-0.005 χ^2/NDF: 77.4/62

In: -0.003+/-0.004 χ^2/NDF:56.3/51

Out: -0.002+/-0.004 χ^2/NDF:79.9/58

All: -0.003+/-0.003 χ^2/NDF: 136.3/110

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.598+/-0.004 χ^2/NDF: 4334977.2/28

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

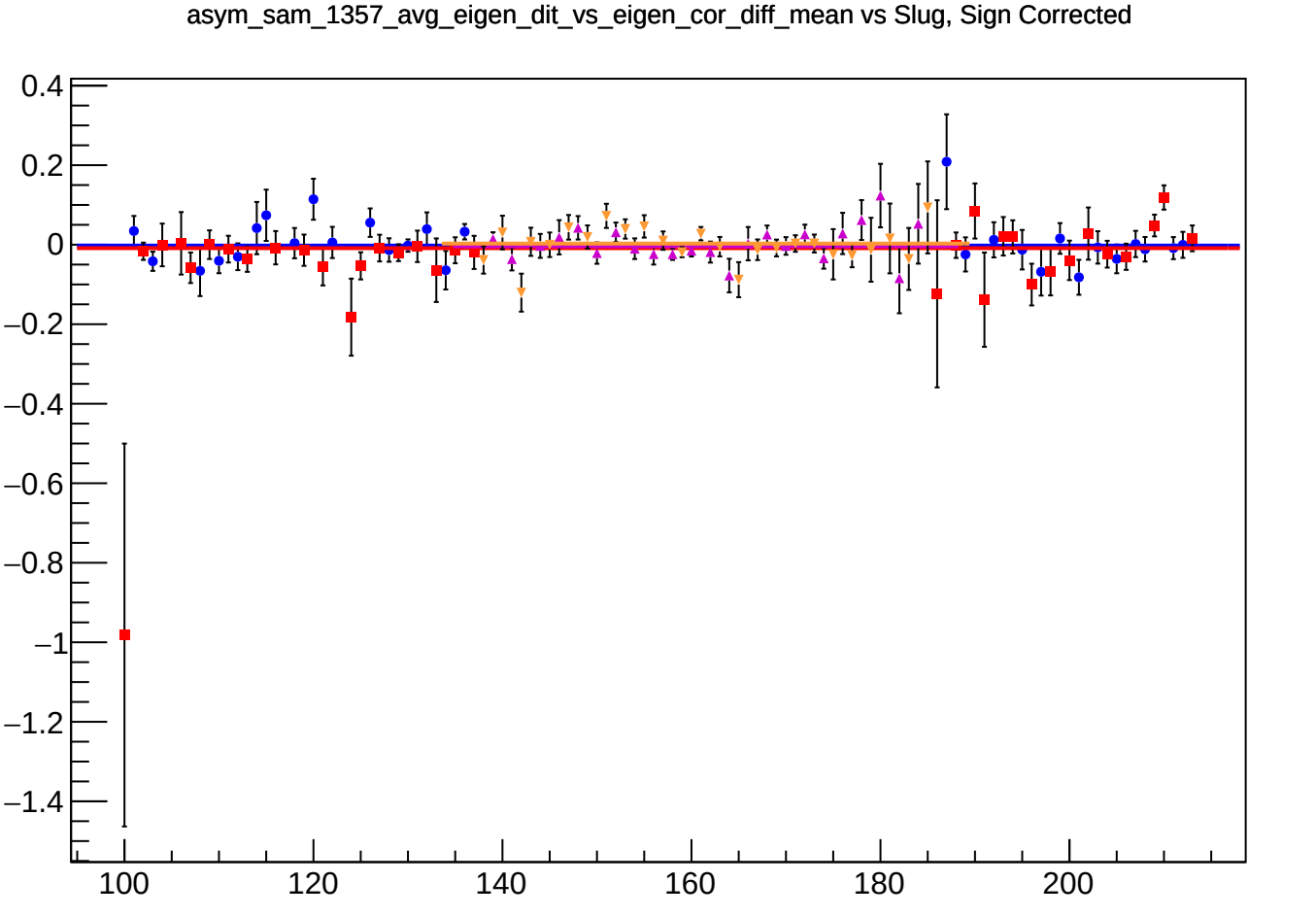
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.544+/-0.003 χ^2/NDF: 8997862.6/62

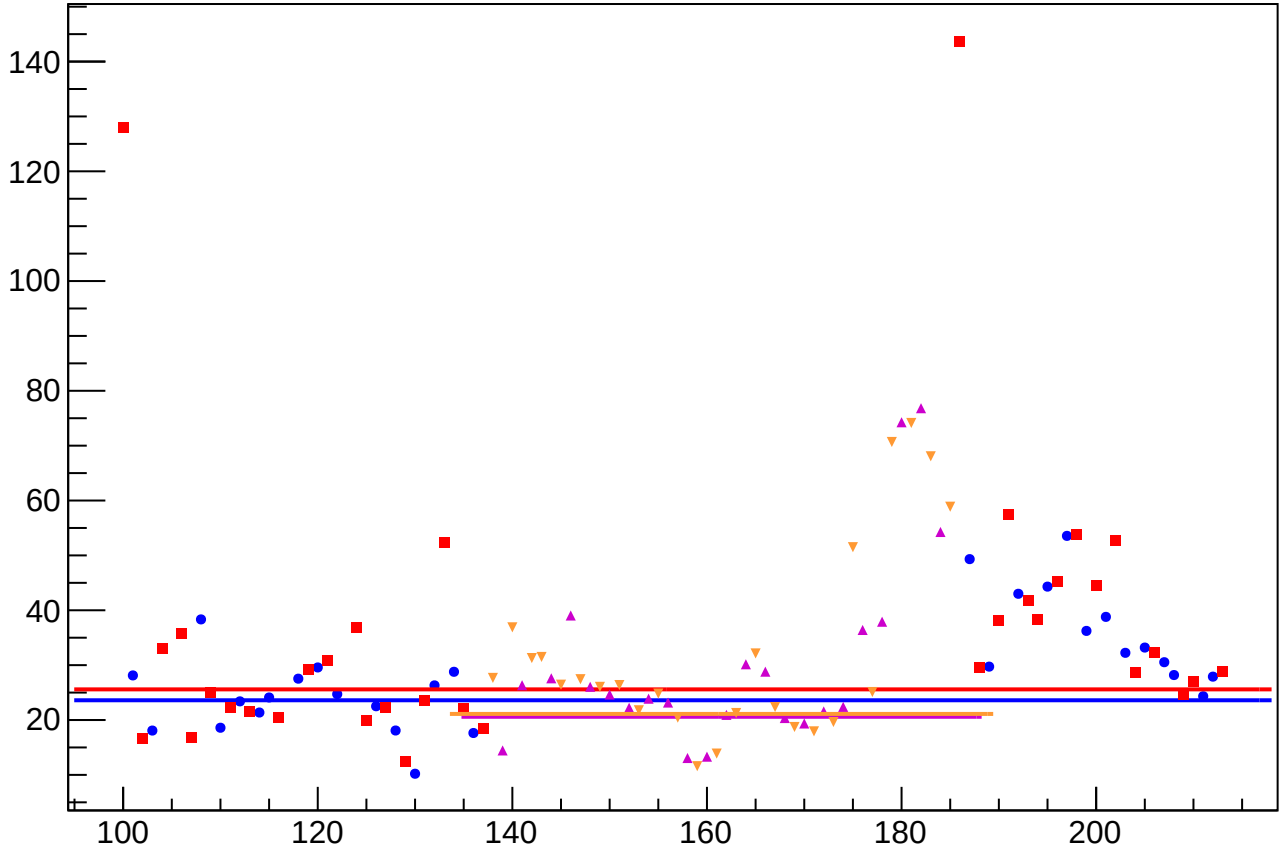
In: 21.868+/-0.003 χ^2/NDF:9194398.2/51

Out: 22.913+/-0.003 χ^2/NDF:10658948.7/58

All: 22.380+/-0.002 χ^2/NDF: 19916202.8/110


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
120
140
160
180
200
Right In: -0.002+/-0.006 χ²/NDF: 31.7/28
Left Out: 0.003+/-0.005 χ²/NDF:32.8/24
Right Out: -0.009+/-0.007 χ²/NDF: 45.3/33
Left In: -0.004+/-0.005 χ²/NDF:24.6/22
Left: -0.001+/-0.004 χ²/NDF: 58.2/47
Right: -0.005+/-0.005 χ²/NDF: 77.4/62
In: -0.003+/-0.004 χ²/NDF:56.3/51
Out: -0.002+/-0.004 χ²/NDF:79.9/58
All: -0.003+/-0.003 χ²/NDF: 136.3/110

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.598+/-0.004 χ^2/NDF: 4334977.2/28

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

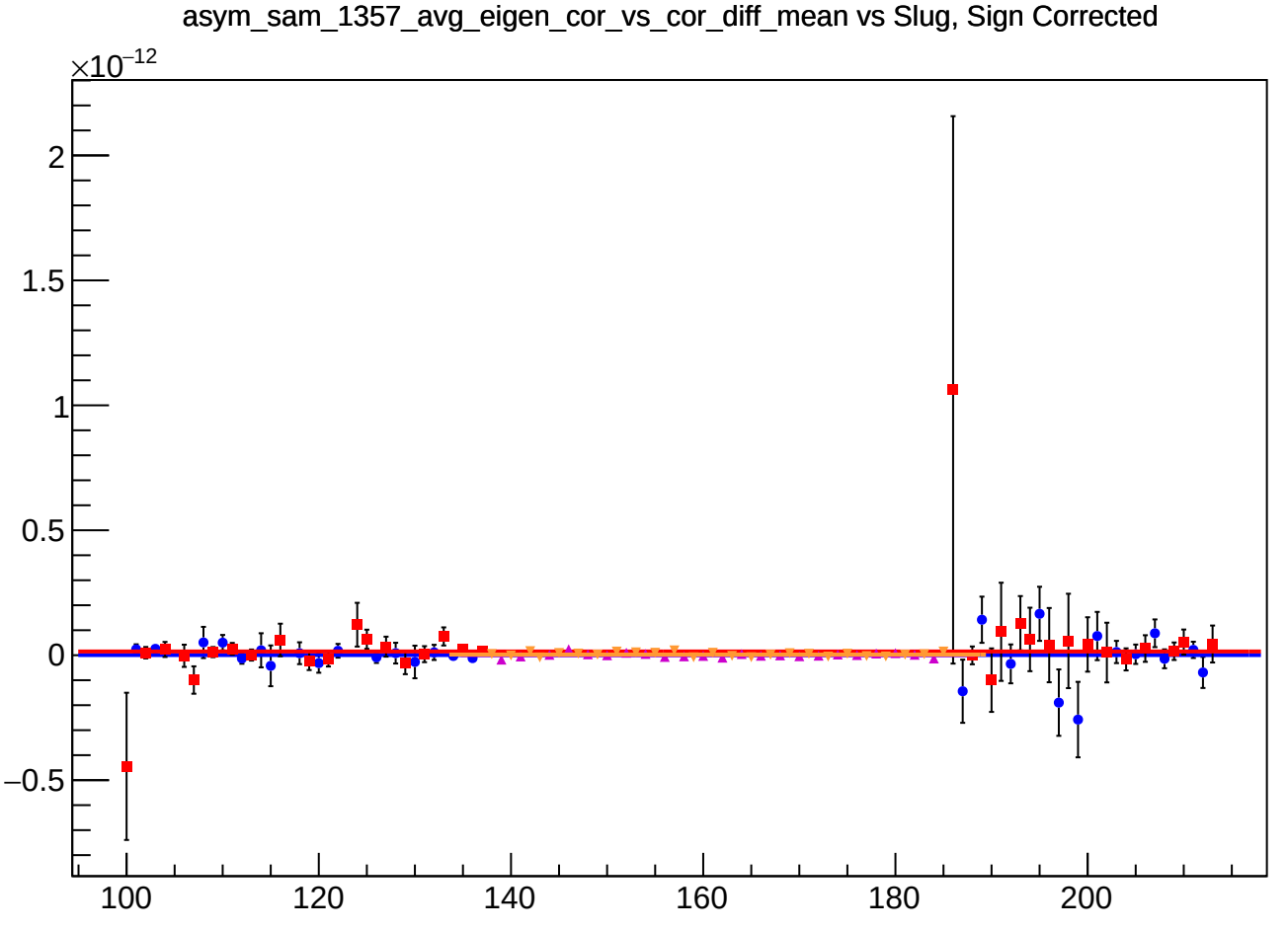
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.544+/-0.003 χ^2/NDF: 8997862.6/62

In: 21.868+/-0.003 χ^2/NDF:9194398.2/51

Out: 22.913+/-0.003 χ^2/NDF:10658948.7/58

All: 22.380+/-0.002 χ^2/NDF: 19916202.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/28

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

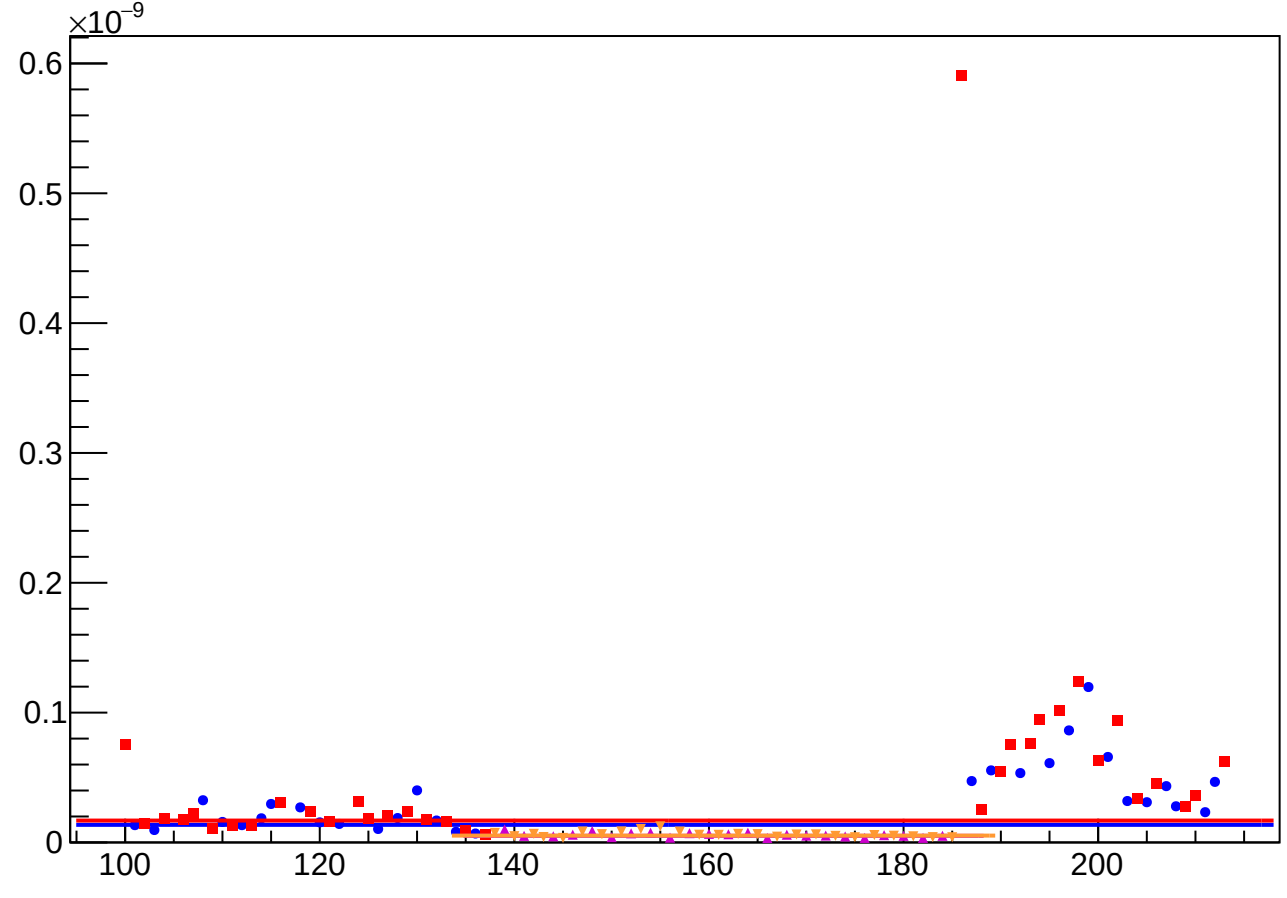
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 52.2/62

In: 0.000+/-0.000 χ^2/NDF:48.1/51

Out: 0.000+/-0.000 χ^2/NDF:46.9/58

All: 0.000+/-0.000 χ^2/NDF: 96.5/110



Right In: 0.000+/-0.000 χ^2/NDF: 8346817.5/28

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

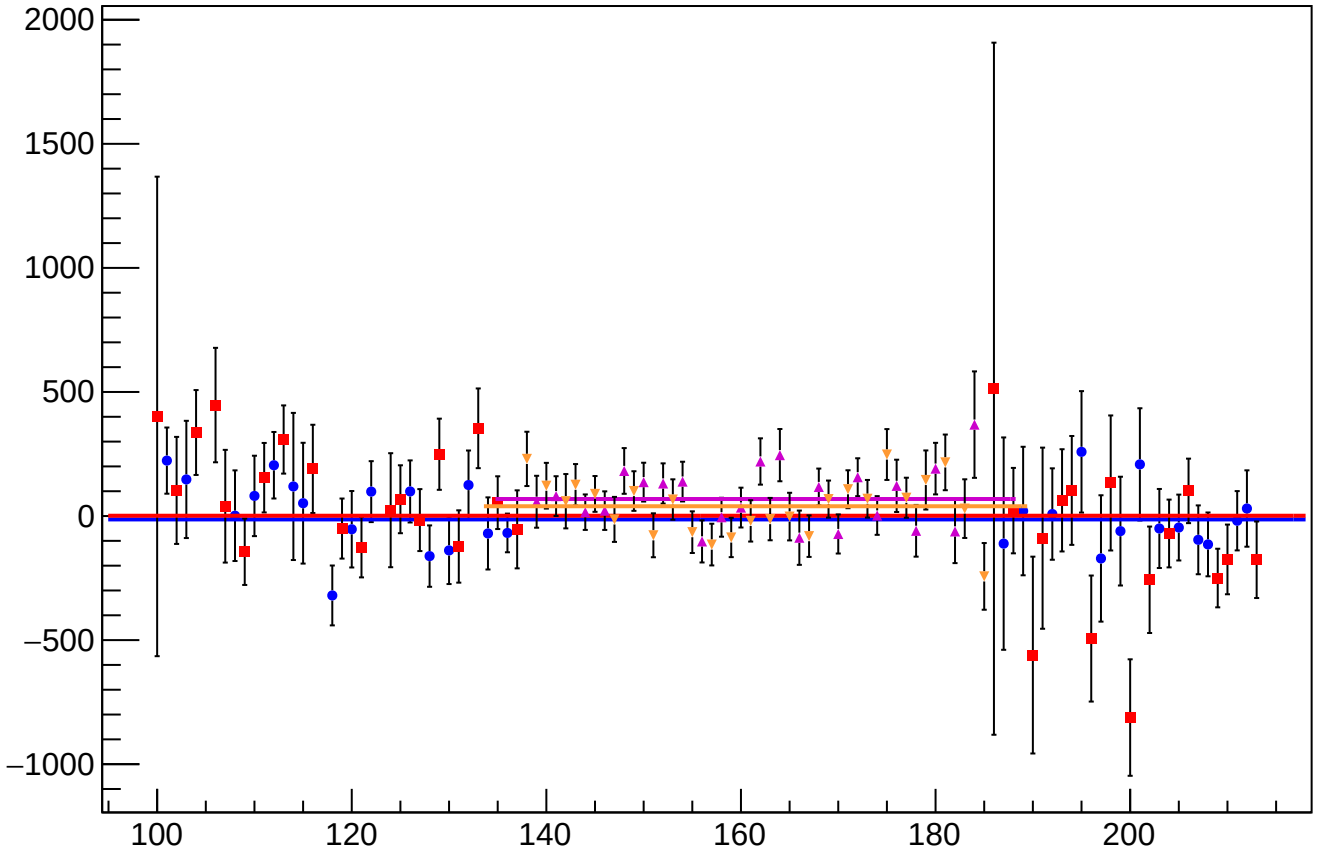
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 17579903.7/62

In: 0.000+/-0.000 χ^2/NDF:14806801.6/51

Out: 0.000+/-0.000 χ^2/NDF:17760739.3/58

All: 0.000+/-0.000 χ^2/NDF: 32587439.6/110



Right In: -13.686+/-27.801 χ^2/NDF: 22.8/28

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

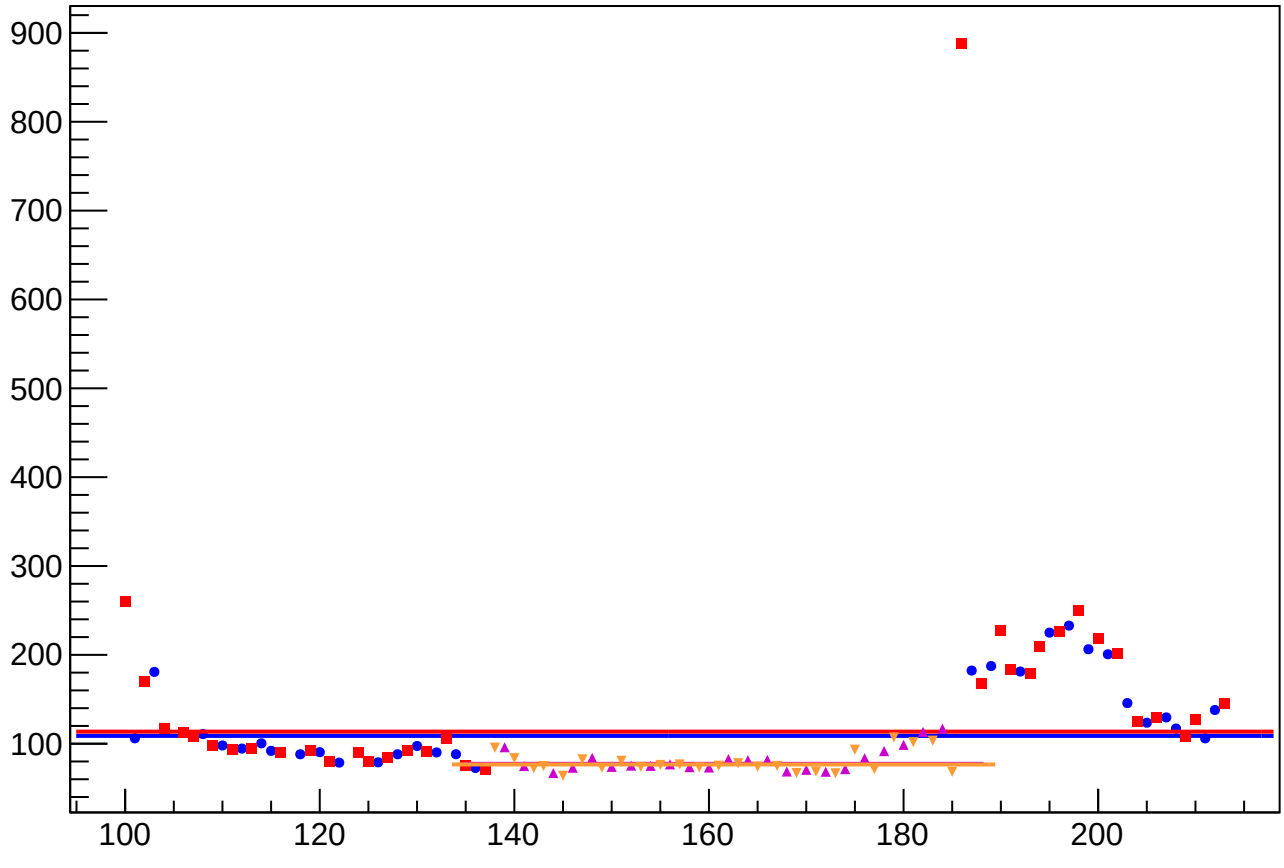
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: -6.330+/-19.786 χ^2/NDF: 78.2/62

In: 43.705+/-15.295 χ^2/NDF:58.0/51

Out: 28.677+/-14.966 χ^2/NDF:88.5/58

All: 36.027+/-10.697 χ^2/NDF: 146.9/110



Right In: 108.780+/-0.020 χ^2/NDF: 3588734.7/28

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

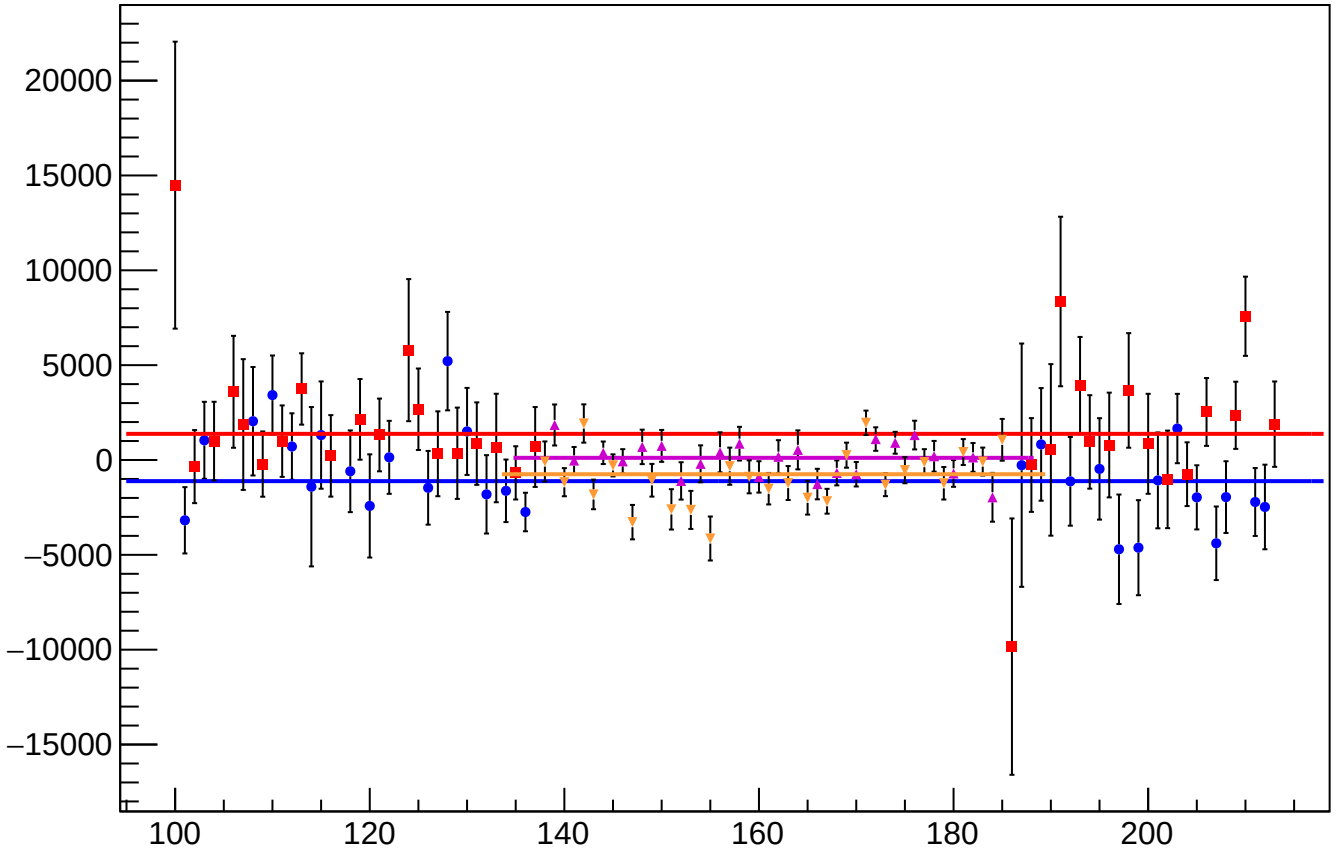
Right: 111.147+/-0.014 χ^2/NDF: 8340307.0/62

In: 86.863+/-0.011 χ^2/NDF:5961802.7/51

Out: 87.073+/-0.011 χ^2/NDF:7844309.4/58

All: 86.970+/-0.008 χ^2/NDF: 13806304.4/110

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1114.830+/-382.639 χ^2/NDF: 31.4/28

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

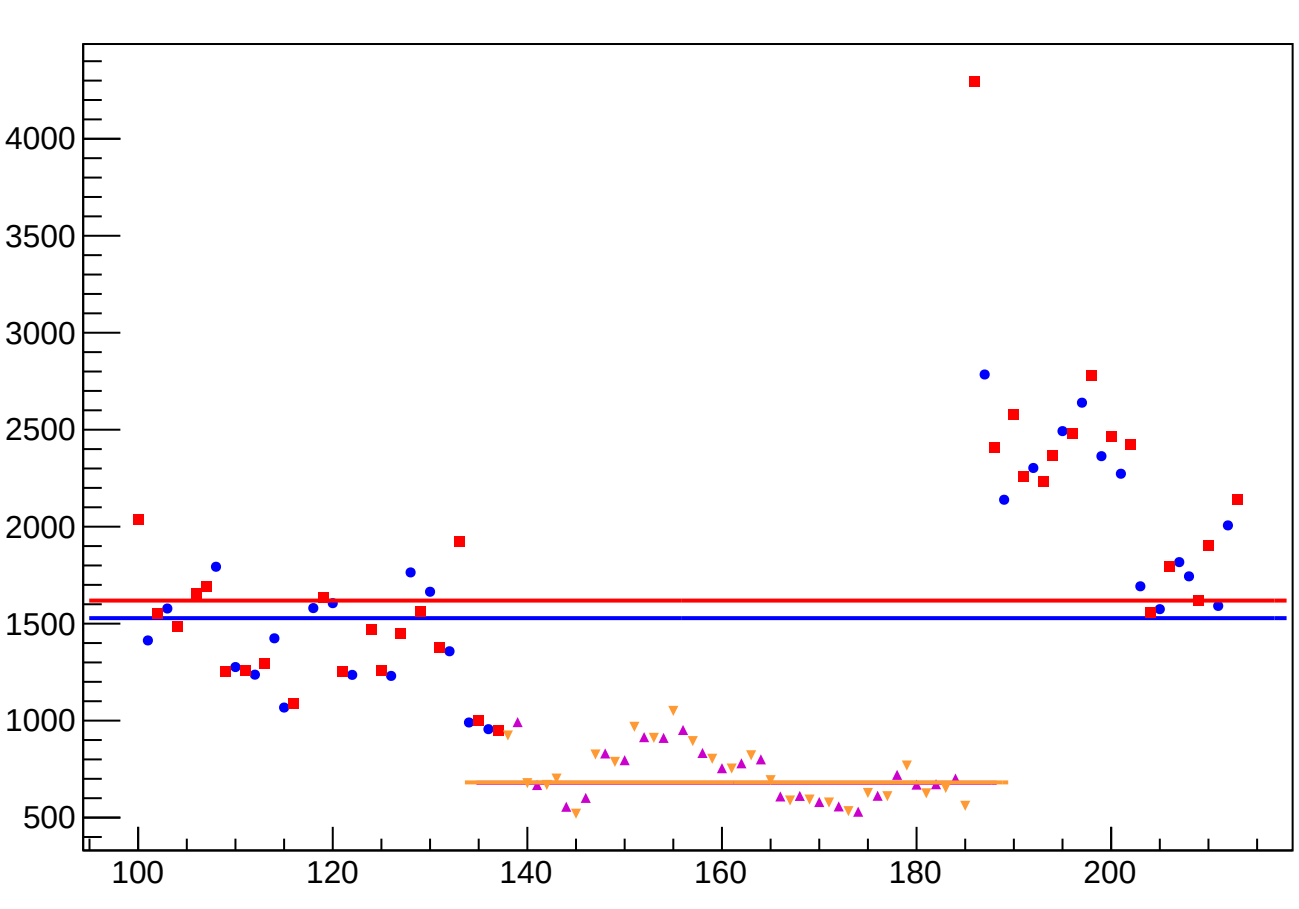
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

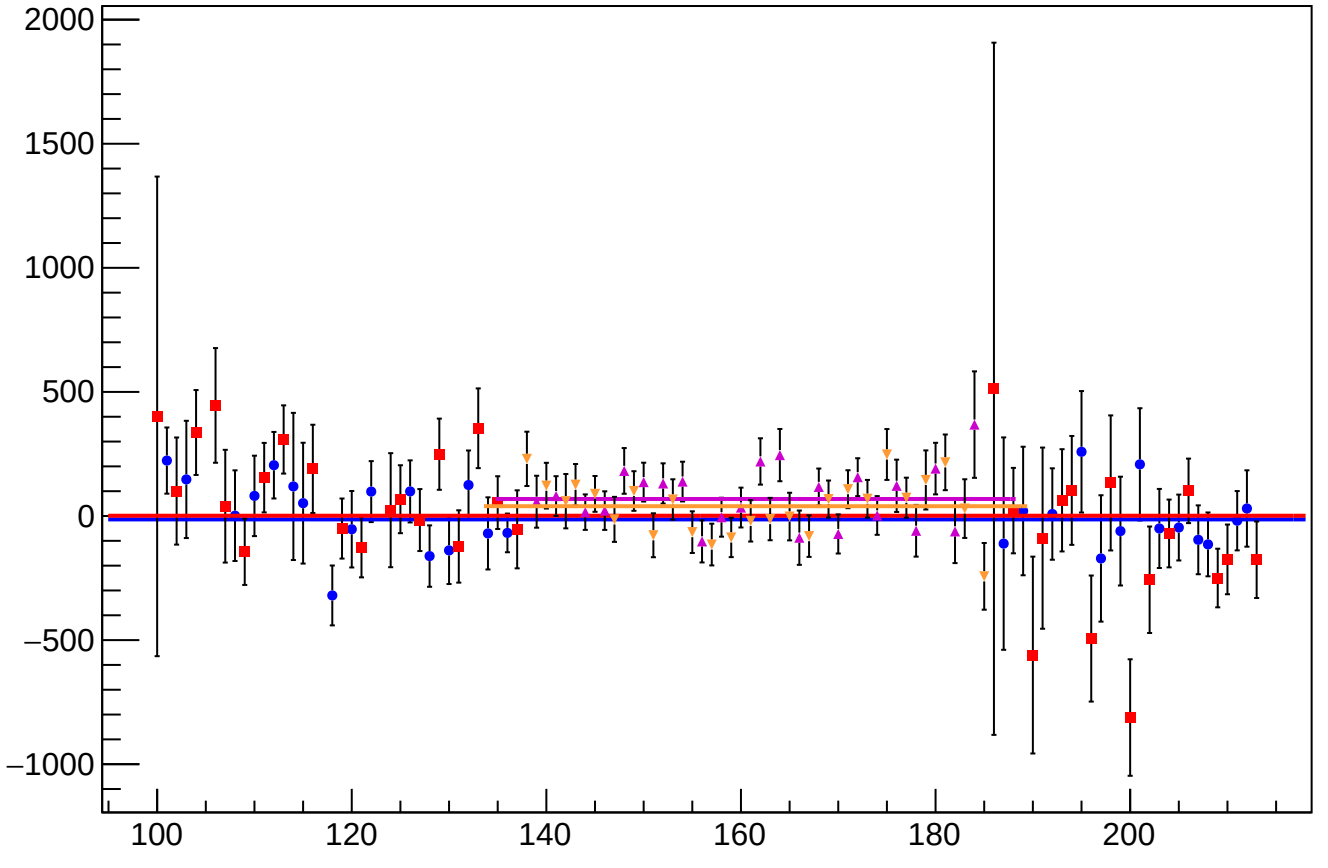
Right: 111.033+/-272.771 χ^2/NDF: 83.6/62

In: -72.581+/-149.032 χ^2/NDF:65.2/51

Out: -448.058+/-146.448 χ^2/NDF:126.9/58

All: -263.603+/-104.456 χ^2/NDF: 195.4/110


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: 1528.390+/-0.271 χ²/NDF: 2663113.5/28
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: 1572.927+/-0.193 χ²/NDF: 5870442.8/62
In: 808.201+/-0.105 χ²/NDF:12200450.7/51
Out: 814.336+/-0.104 χ²/NDF:14458987.5/58
All: 811.322+/-0.074 χ²/NDF: 26661162.5/1



Right In: -13.695+/-27.801 χ^2/NDF: 22.8/28

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

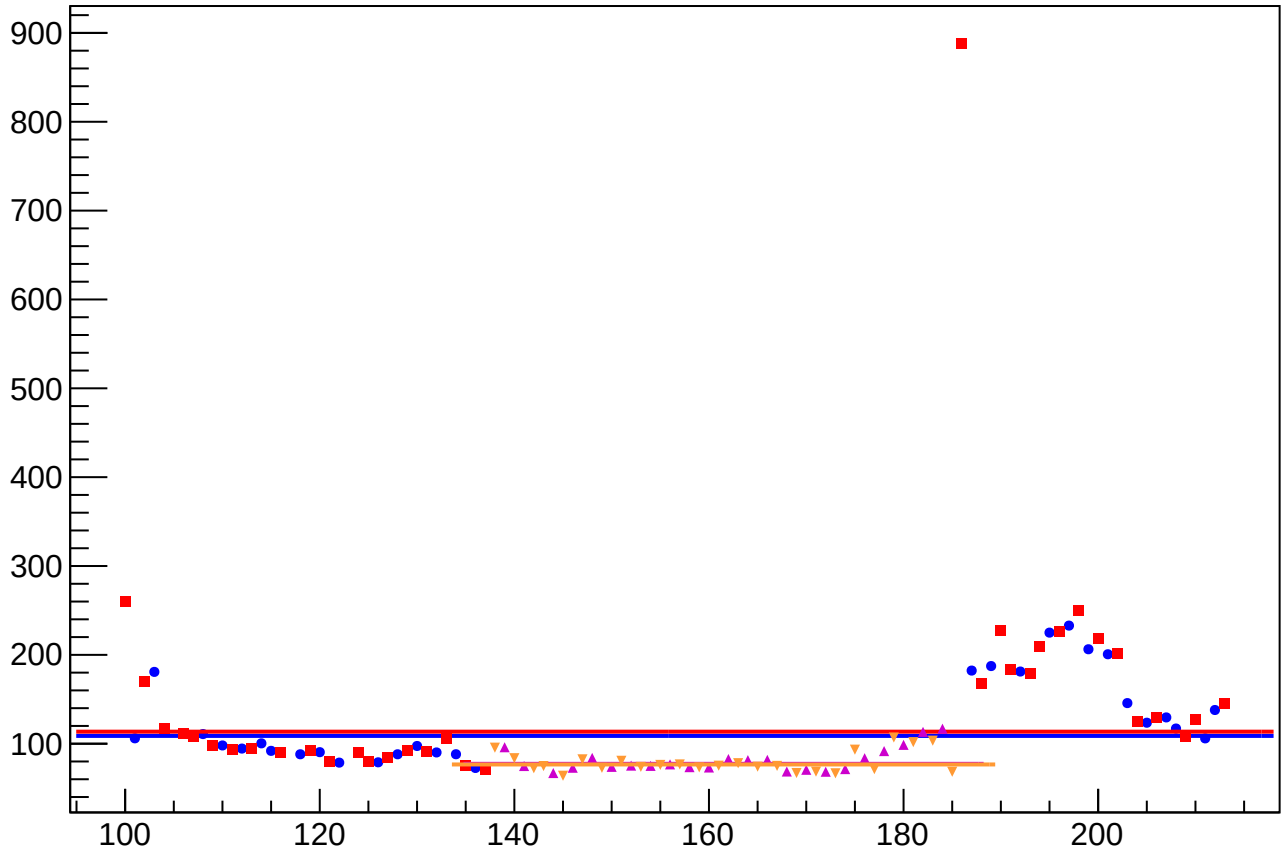
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -6.382+/-19.787 χ^2/NDF: 78.1/62

In: 43.703+/-15.295 χ^2/NDF:58.0/51

Out: 28.656+/-14.966 χ^2/NDF:88.4/58

All: 36.015+/-10.697 χ^2/NDF: 146.9/110



Right In: 108.780+/-0.020 χ^2/NDF: 3588738.3/28

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

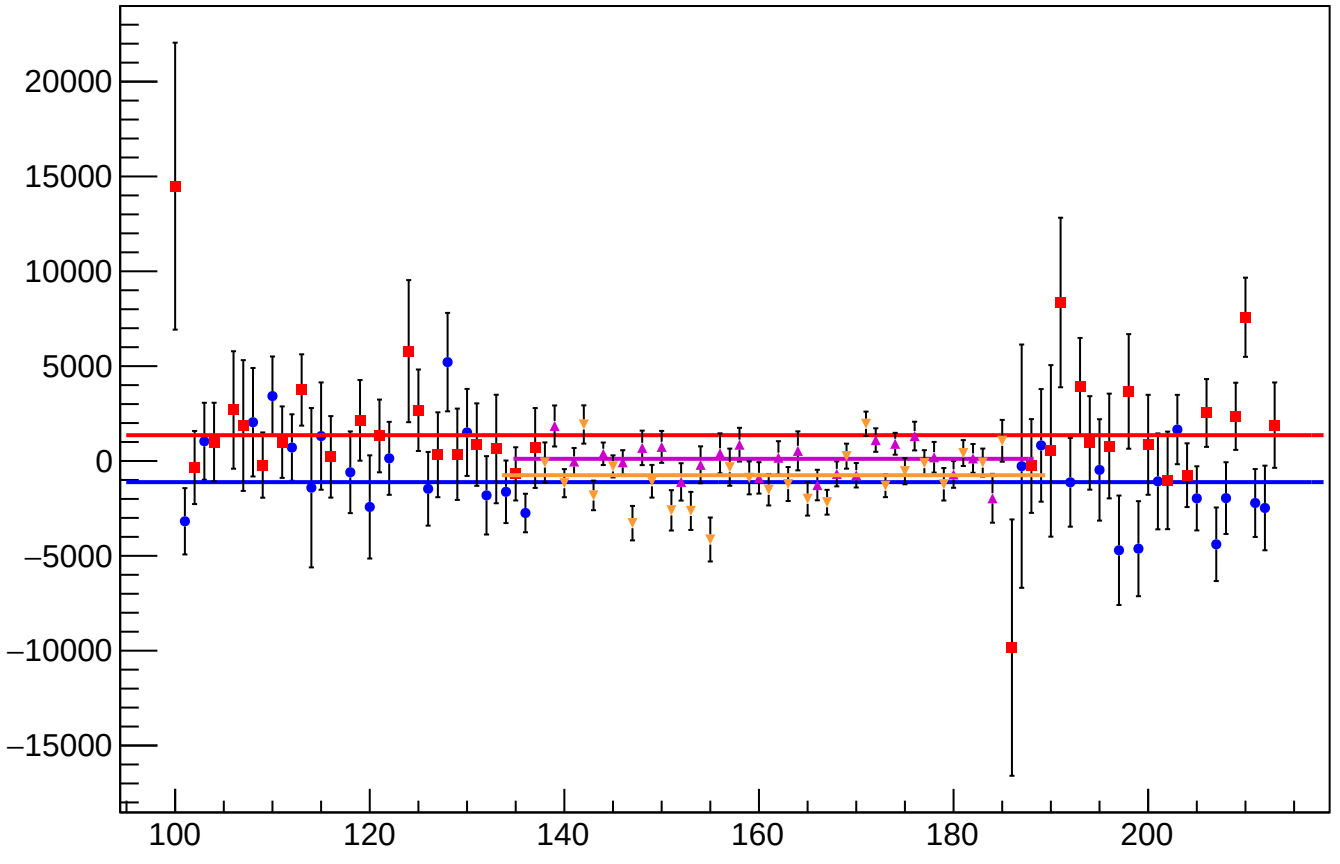
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 111.137+/-0.014 χ^2/NDF: 8340464.8/62

In: 86.863+/-0.011 χ^2/NDF:5961806.3/51

Out: 87.067+/-0.011 χ^2/NDF:7842008.6/58

All: 86.967+/-0.008 χ^2/NDF: 13803996.5/110



Right In: -1114.810+/-382.640 χ^2/NDF: 31.4/28

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

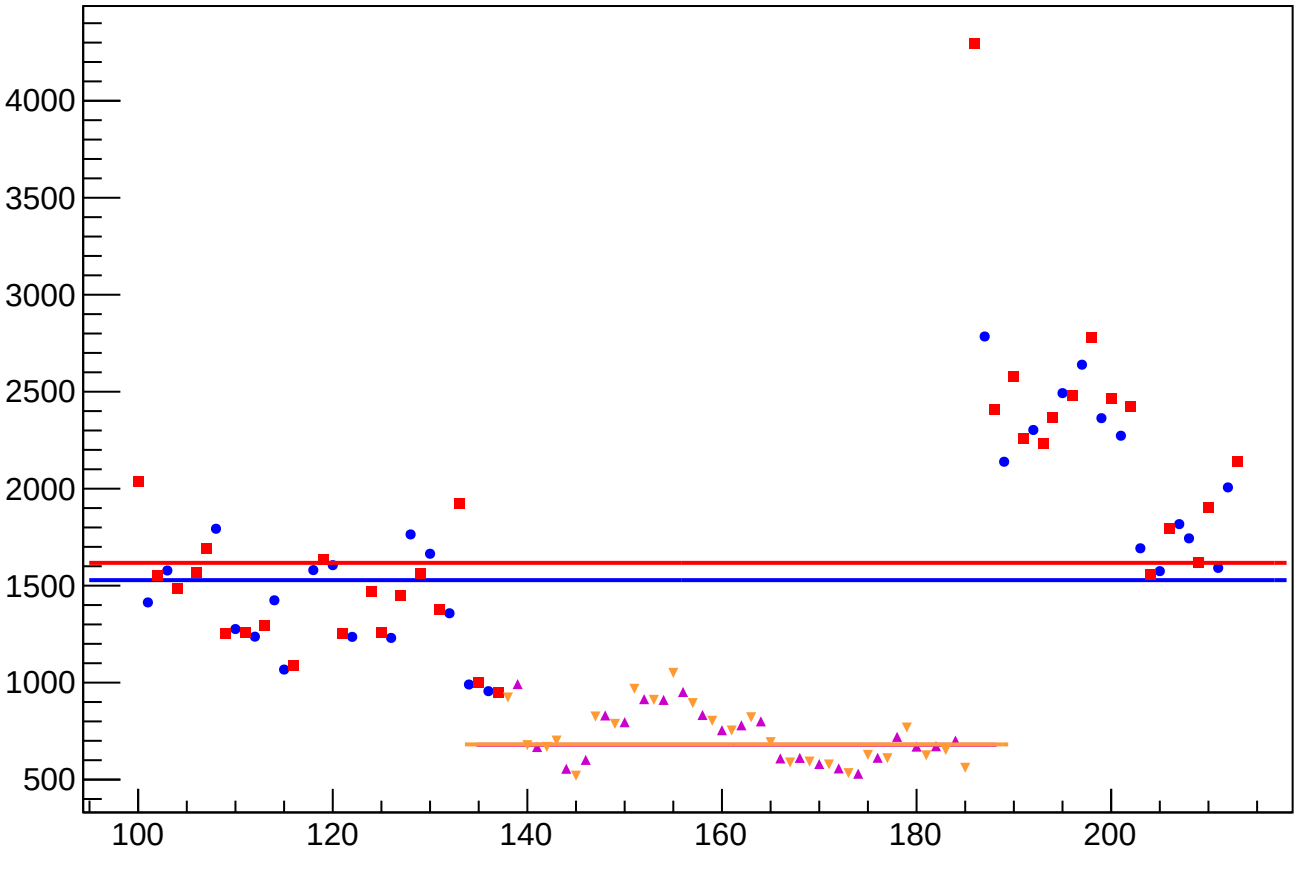
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 101.428+/-272.882 χ^2/NDF: 82.9/62

In: -72.577+/-149.032 χ^2/NDF:65.2/51

Out: -450.952+/-146.465 χ^2/NDF:126.1/58

All: -265.051+/-104.462 χ^2/NDF: 194.6/110



Right In: 1528.394+/-0.271 χ^2/NDF: 2663124.0/28

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

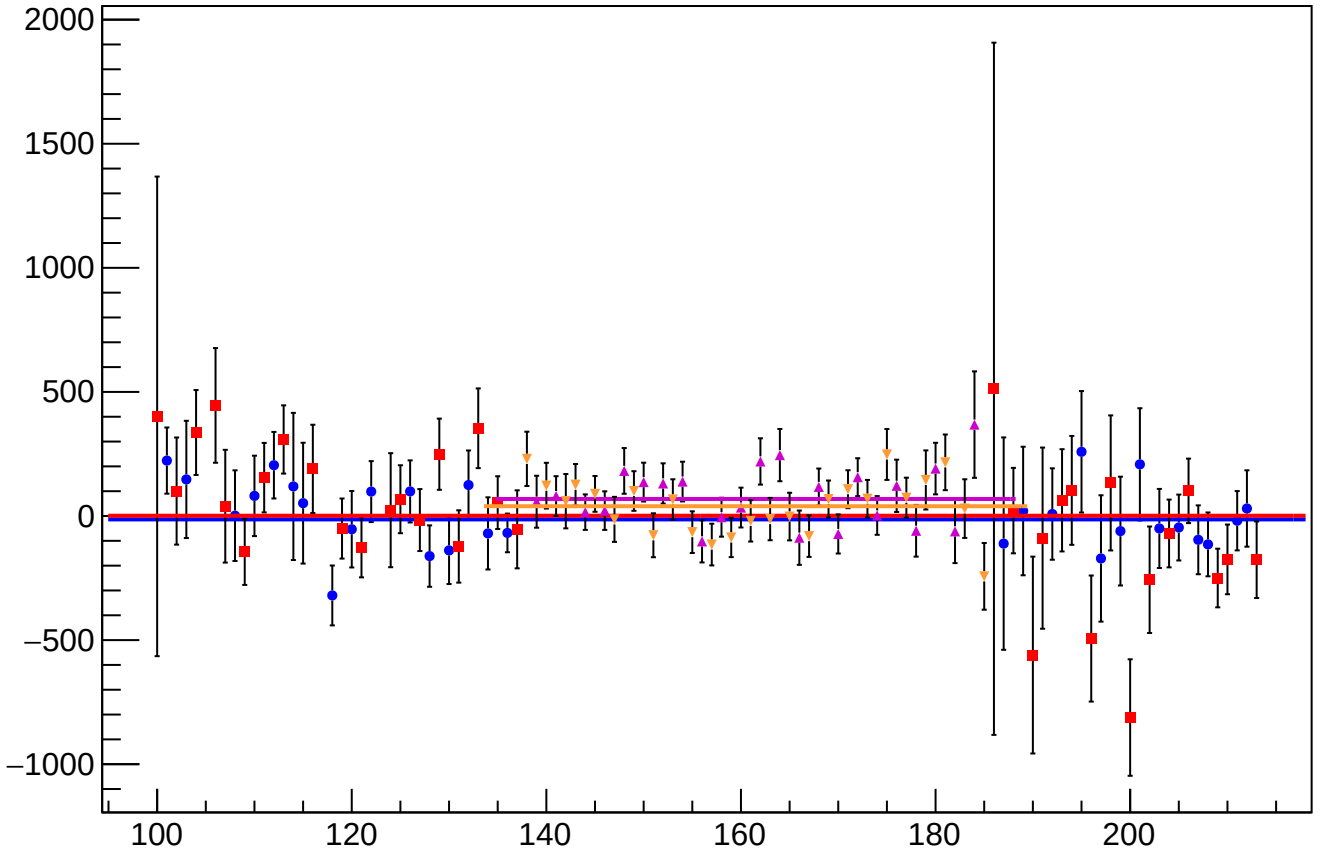
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1572.214+/-0.193 χ^2/NDF: 5868864.6/62

In: 808.201+/-0.105 χ^2/NDF:12200485.2/51

Out: 813.953+/-0.104 χ^2/NDF:14415749.0/58

All: 811.127+/-0.074 χ^2/NDF: 26617749.3/11



Right In: -13.695+/-27.801 χ^2/NDF: 22.8/28

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

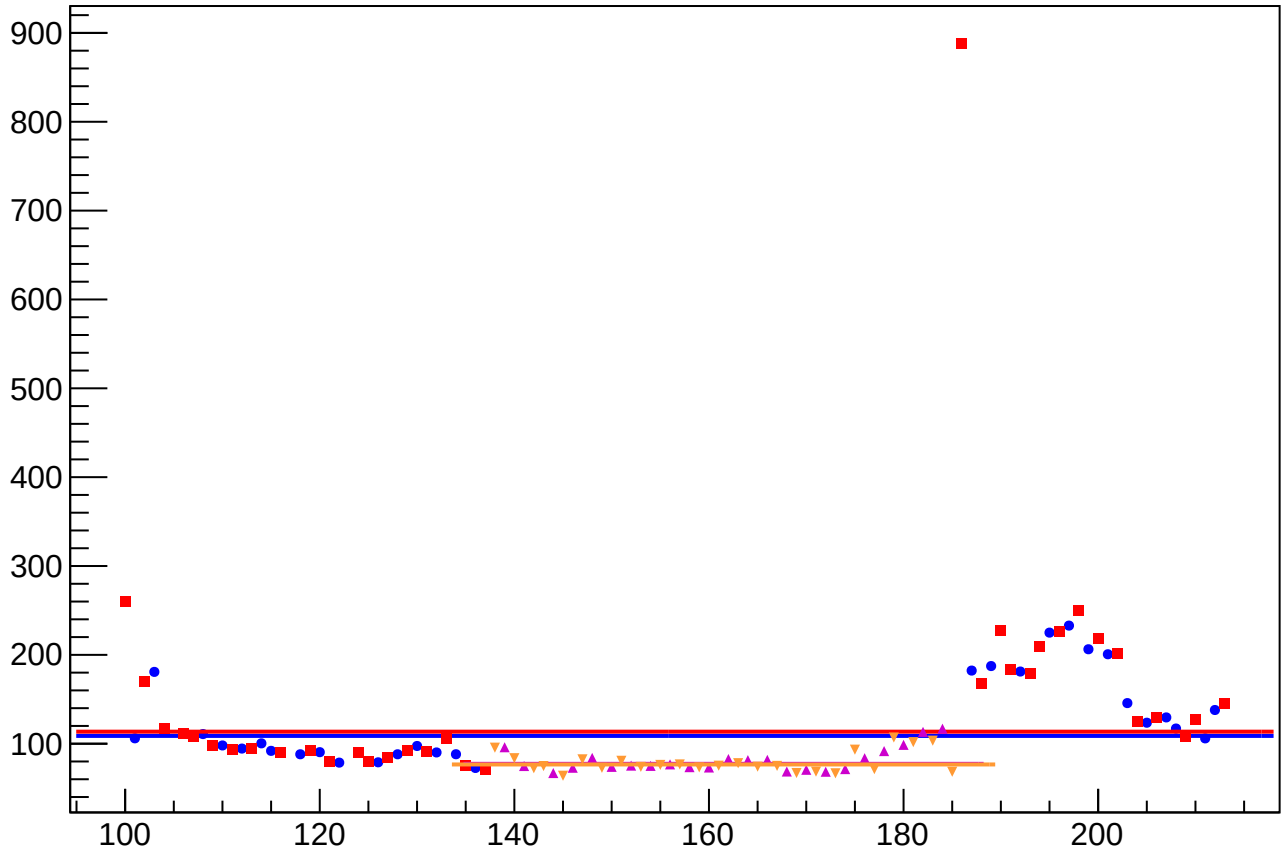
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -6.382+/-19.787 χ^2/NDF: 78.1/62

In: 43.703+/-15.295 χ^2/NDF:58.0/51

Out: 28.656+/-14.966 χ^2/NDF:88.4/58

All: 36.015+/-10.697 χ^2/NDF: 146.9/110



Right In: 108.780+/-0.020 χ^2/NDF: 3588738.3/28

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

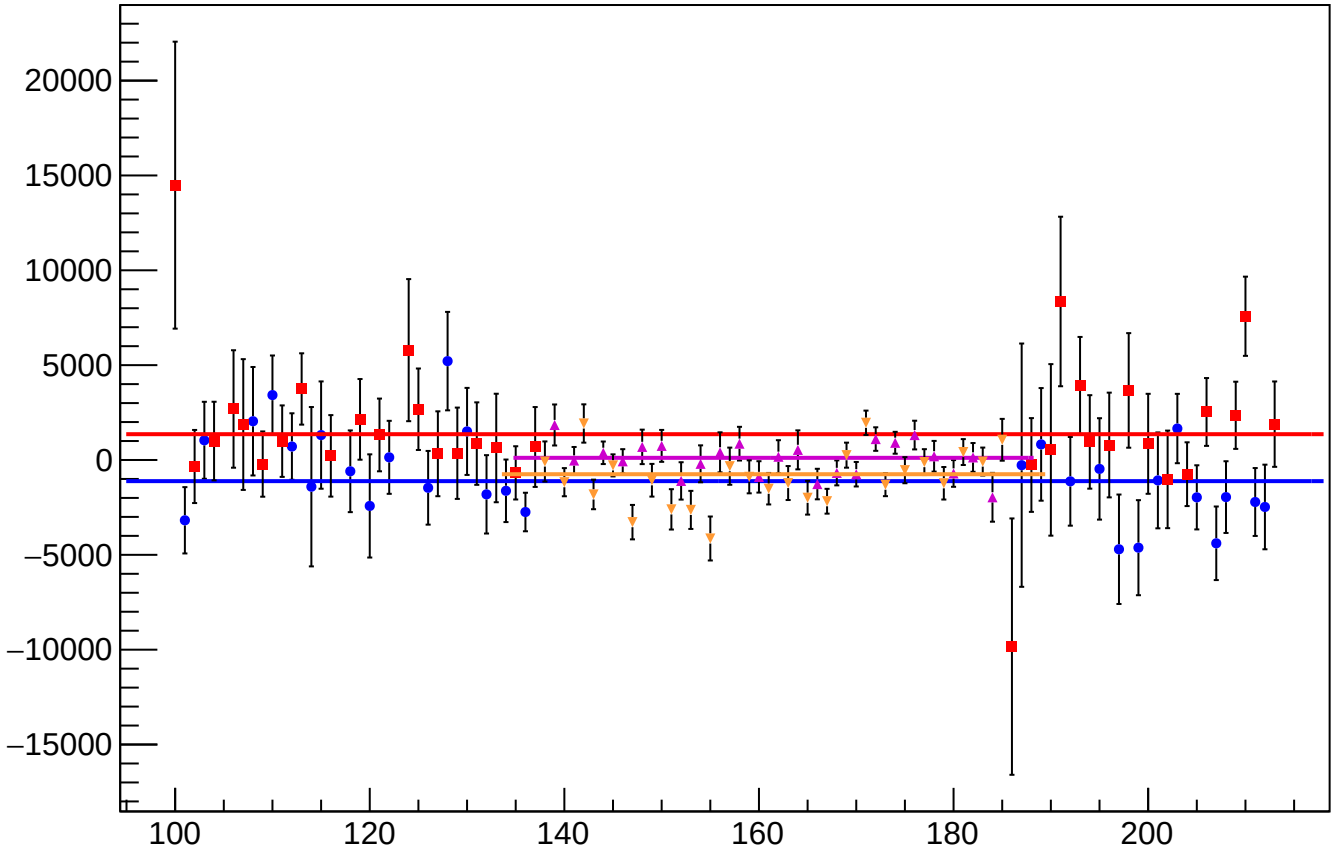
Right: 111.137+/-0.014 χ^2/NDF: 8340464.8/62

In: 86.863+/-0.011 χ^2/NDF:5961806.3/51

Out: 87.067+/-0.011 χ^2/NDF:7842008.6/58

All: 86.967+/-0.008 χ^2/NDF: 13803996.5/110

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1114.810+/-382.640 χ^2/NDF: 31.4/28

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

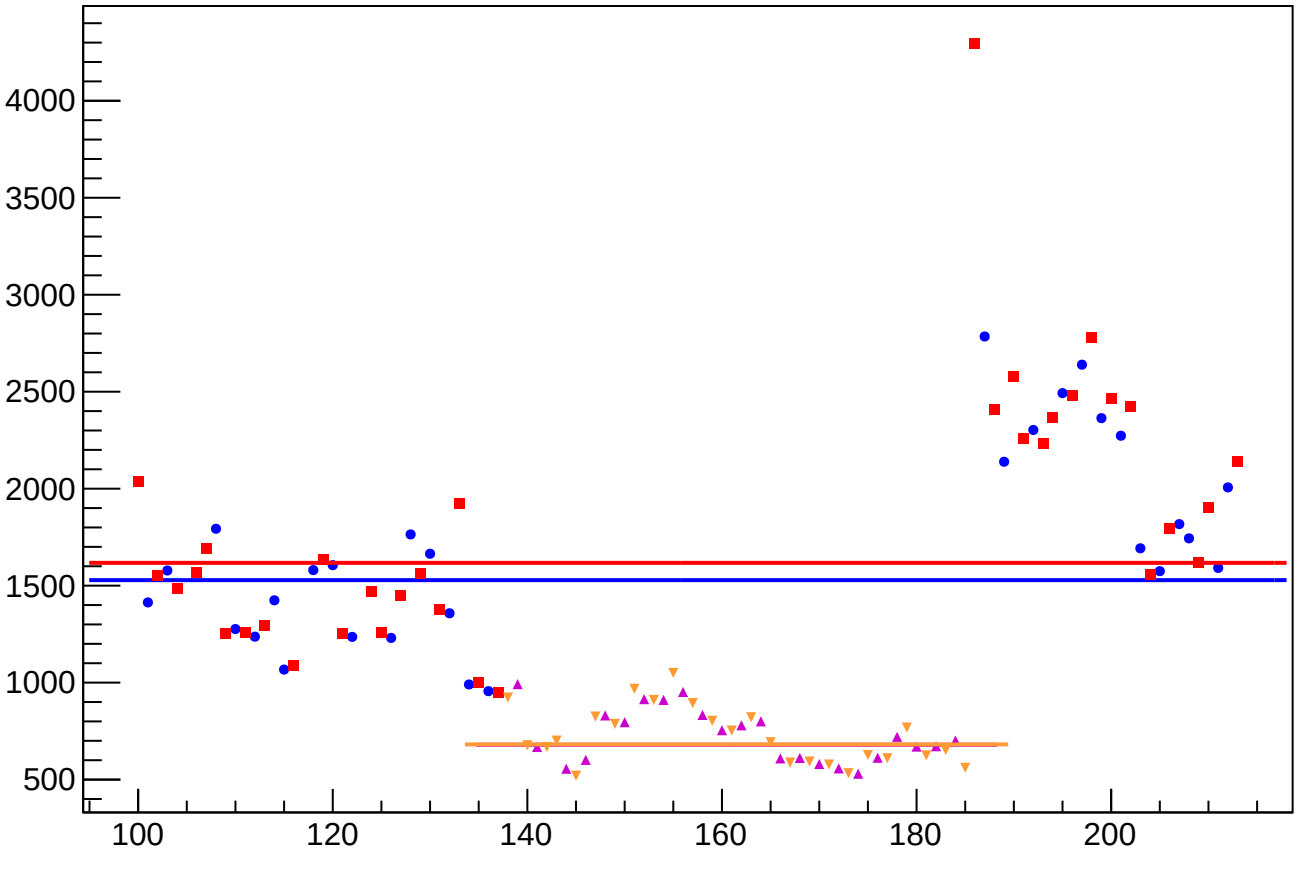
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 101.428+/-272.882 χ^2/NDF: 82.9/62

In: -72.577+/-149.032 χ^2/NDF:65.2/51

Out: -450.952+/-146.465 χ^2/NDF:126.1/58

All: -265.051+/-104.462 χ^2/NDF: 194.6/110



Right In: 1528.394+/-0.271 χ^2/NDF: 2663124.0/28

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

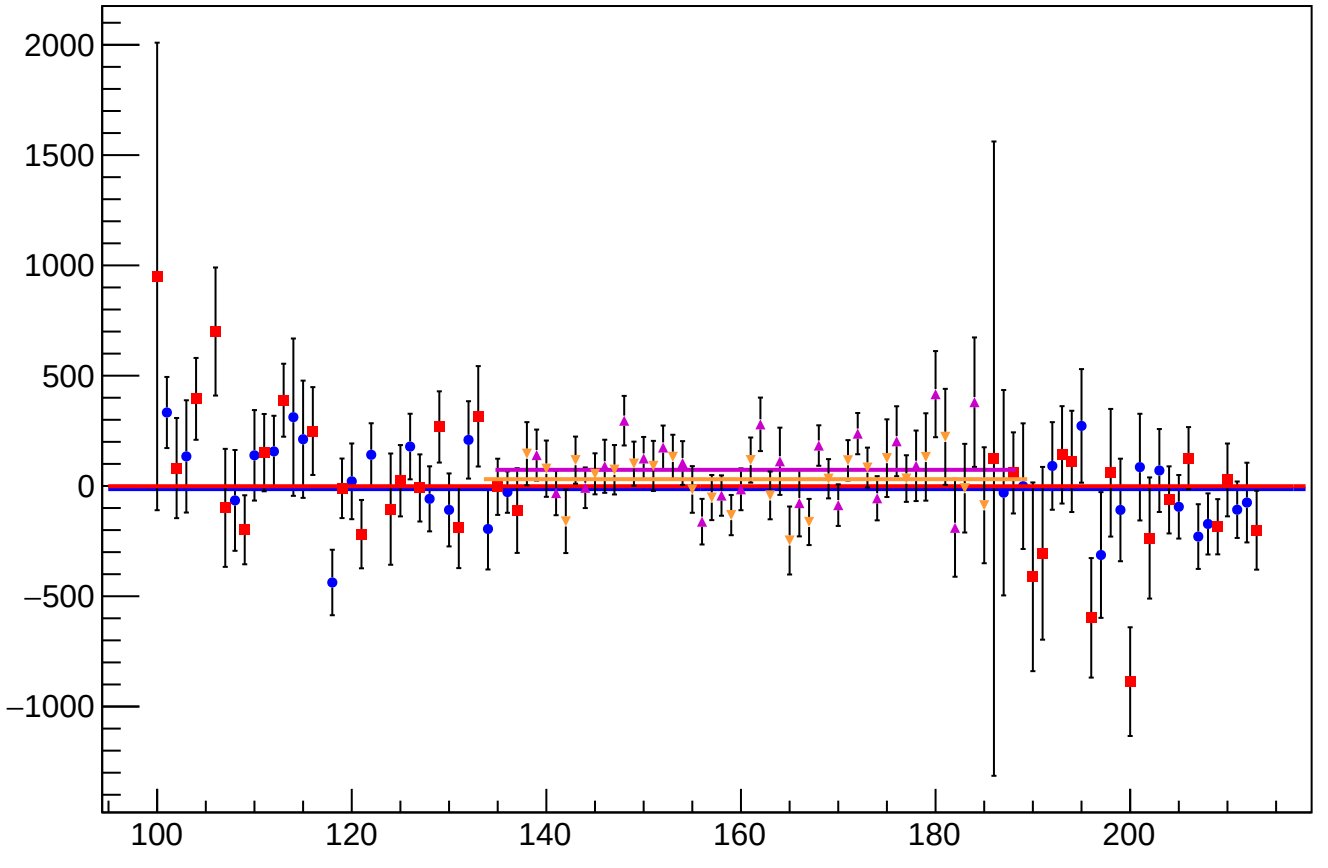
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1572.214+/-0.193 χ^2/NDF: 5868864.6/62

In: 808.201+/-0.105 χ^2/NDF:12200485.2/51

Out: 813.953+/-0.104 χ^2/NDF:14415749.0/58

All: 811.127+/-0.074 χ^2/NDF: 26617749.3/11



Right In: -14.346+/-32.266 χ^2/NDF: 29.9/28

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

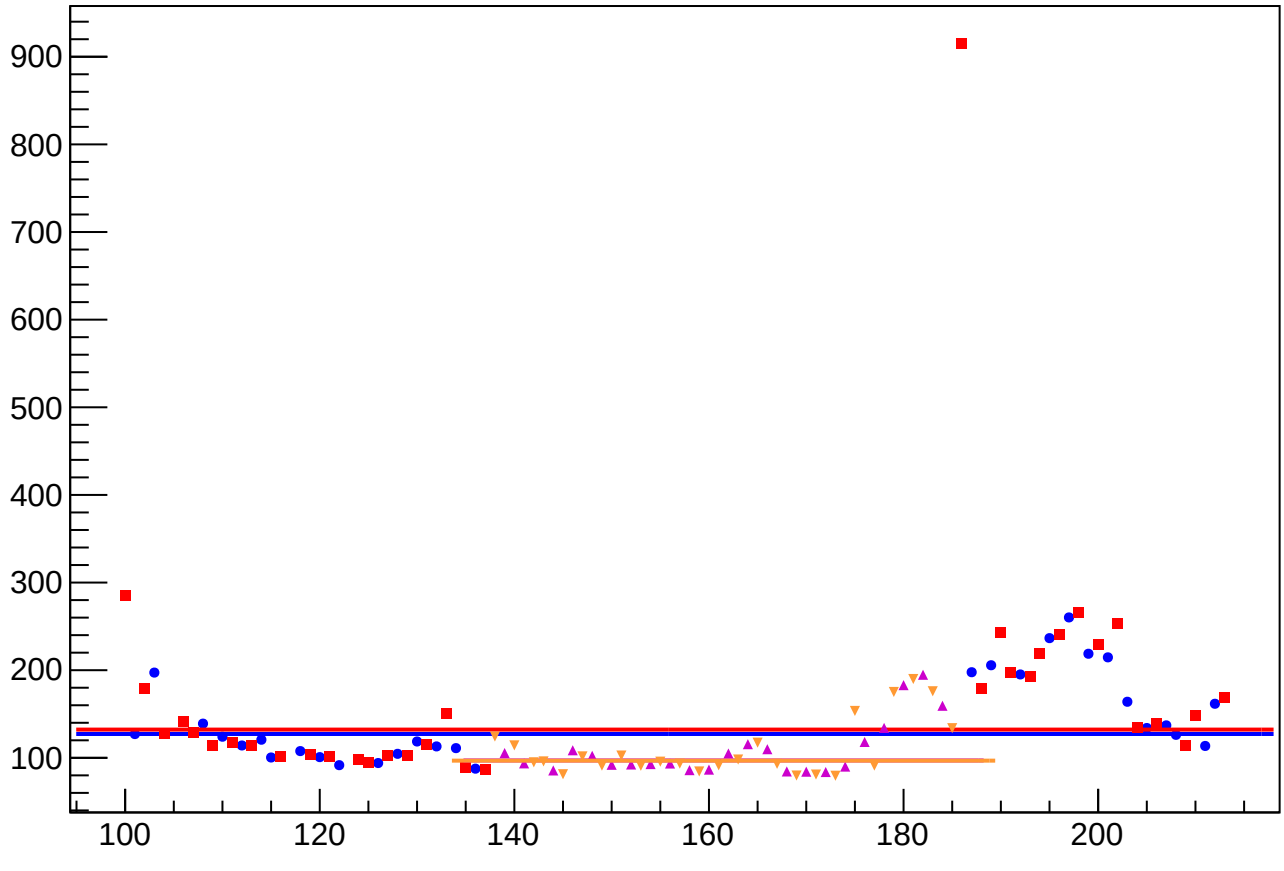
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -7.819+/-22.923 χ^2/NDF: 84.4/62

In: 42.804+/-19.001 χ^2/NDF:69.2/51

Out: 20.176+/-18.709 χ^2/NDF:75.0/58

All: 31.315+/-13.332 χ^2/NDF: 144.9/110



Right In: 127.208+/-0.023 χ^2/NDF: 2917646.1/28

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

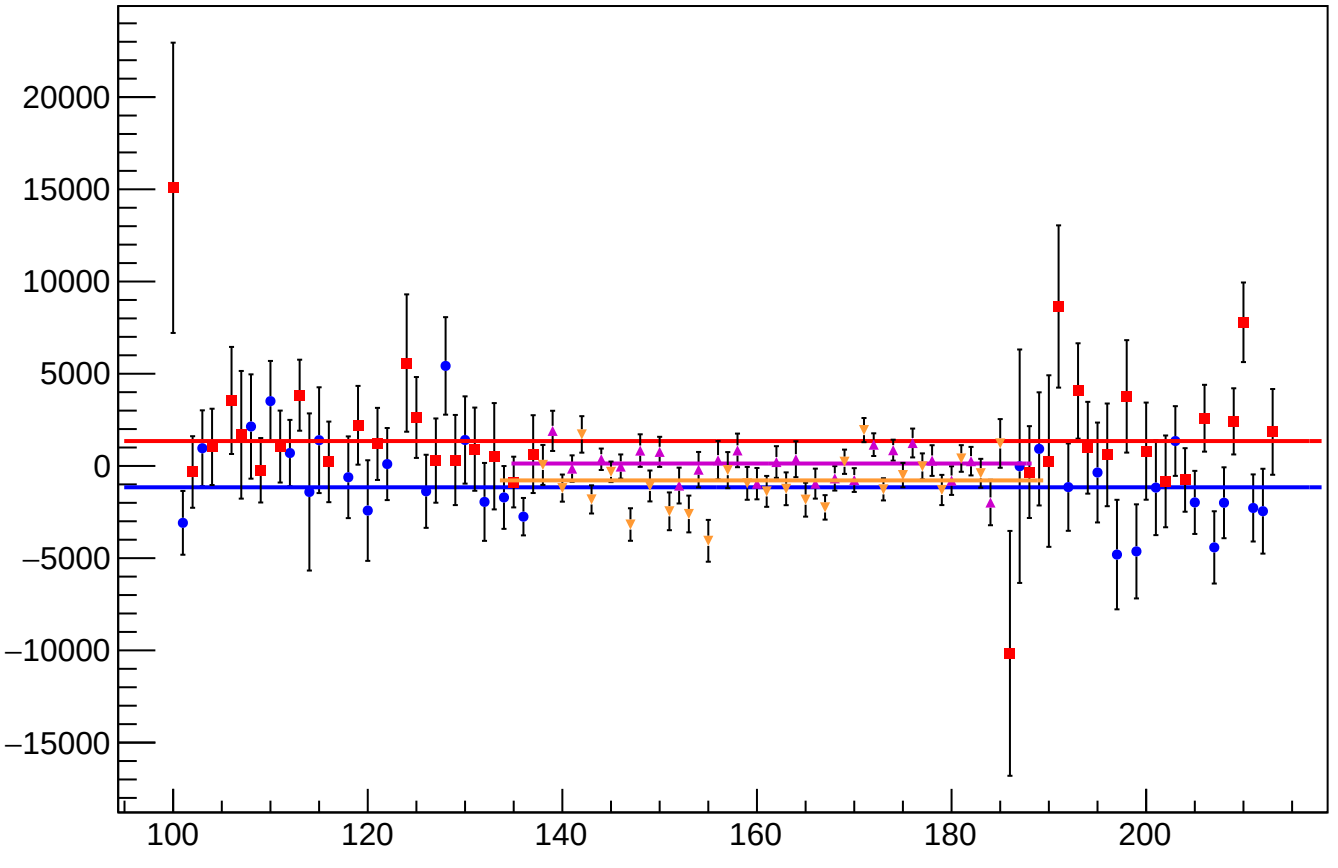
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 129.696+/-0.016 χ^2/NDF: 6960339.8/62

In: 107.487+/-0.013 χ^2/NDF:5382652.7/51

Out: 108.486+/-0.013 χ^2/NDF:7325334.9/58

All: 107.994+/-0.009 χ^2/NDF: 12710793.5/11



Right In: -1157.274+/-388.734 χ^2/NDF: 30.5/28

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1349.572+/-393.282 χ^2/NDF: 32.4/33

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

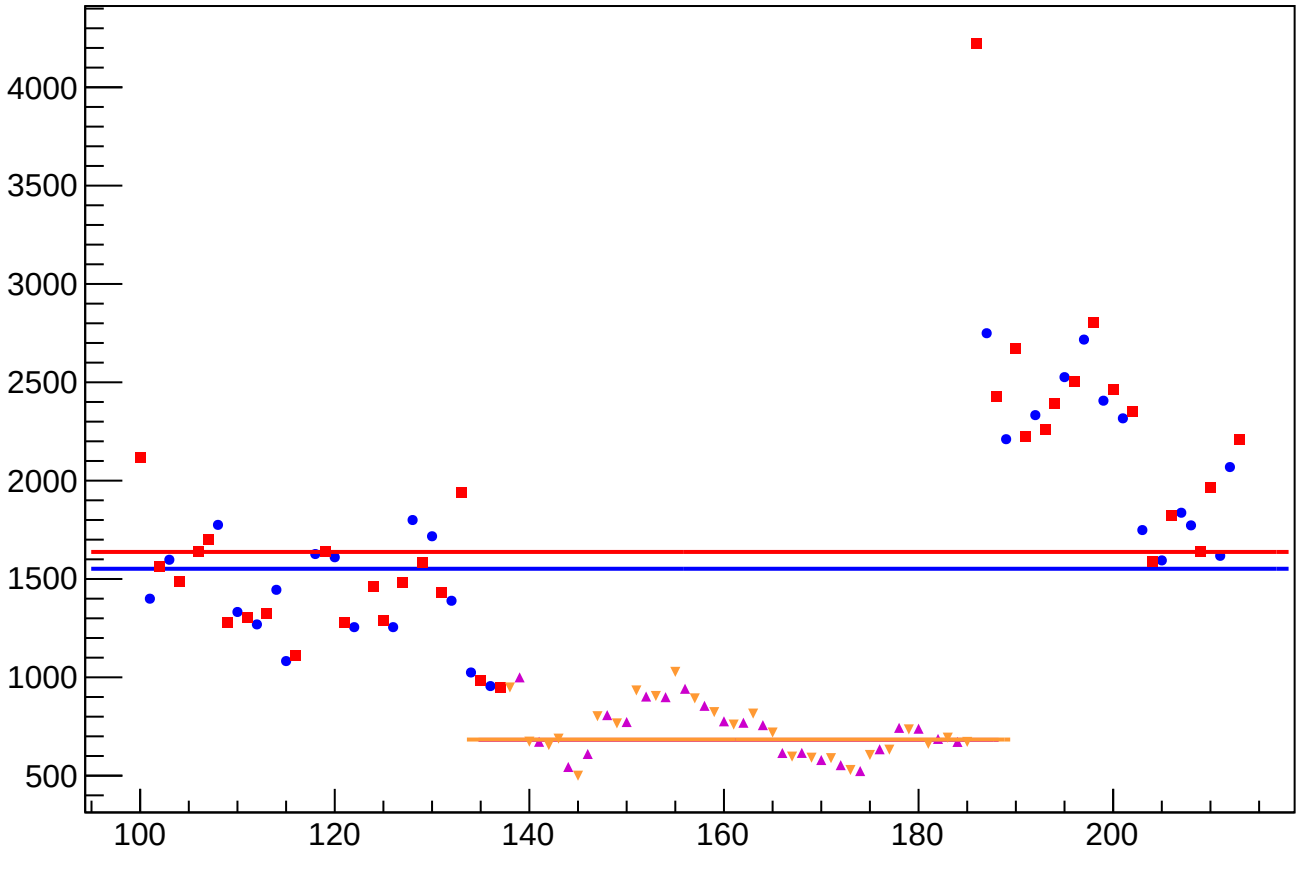
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

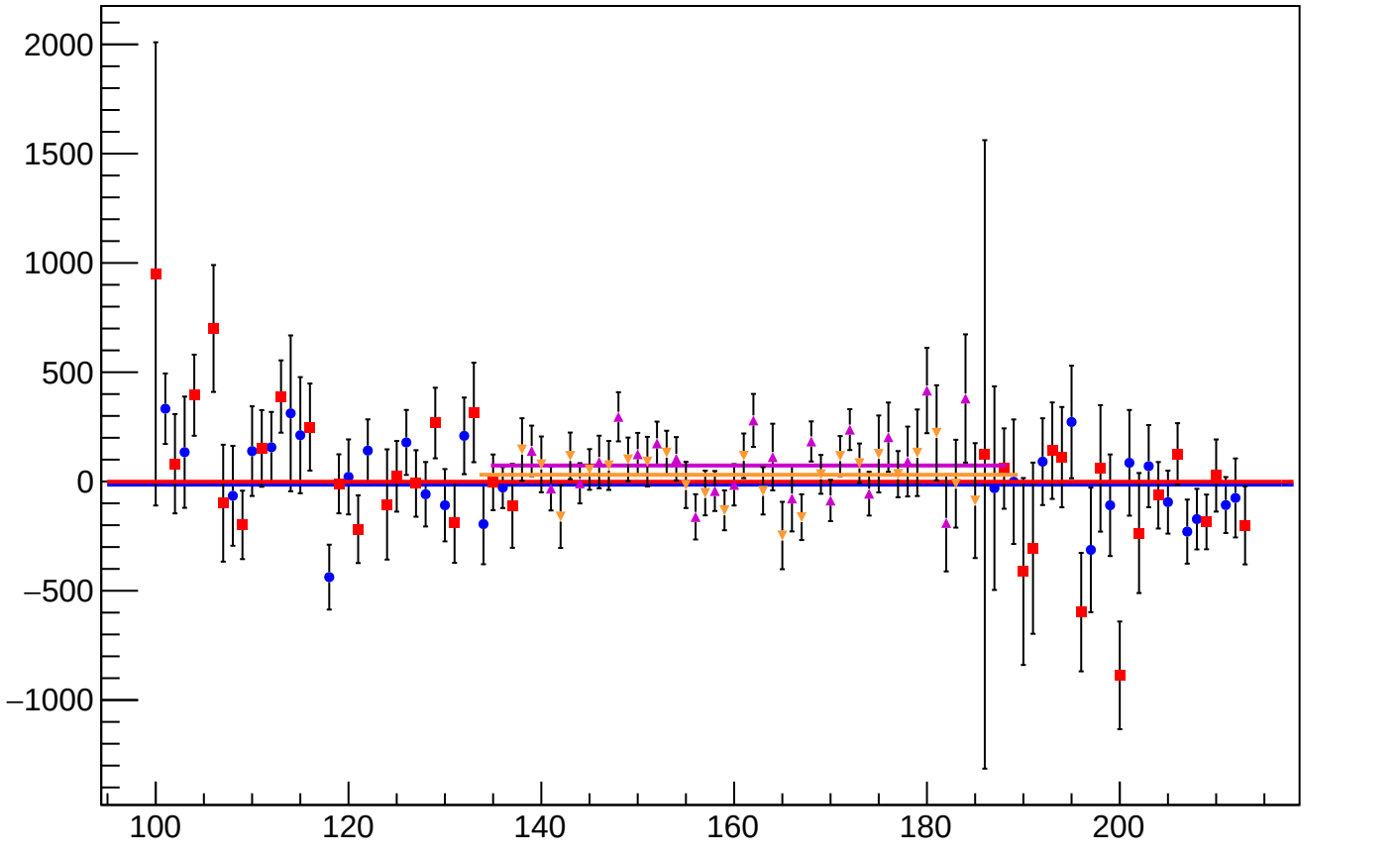
Right: 81.571+/-276.470 χ^2/NDF: 83.5/62

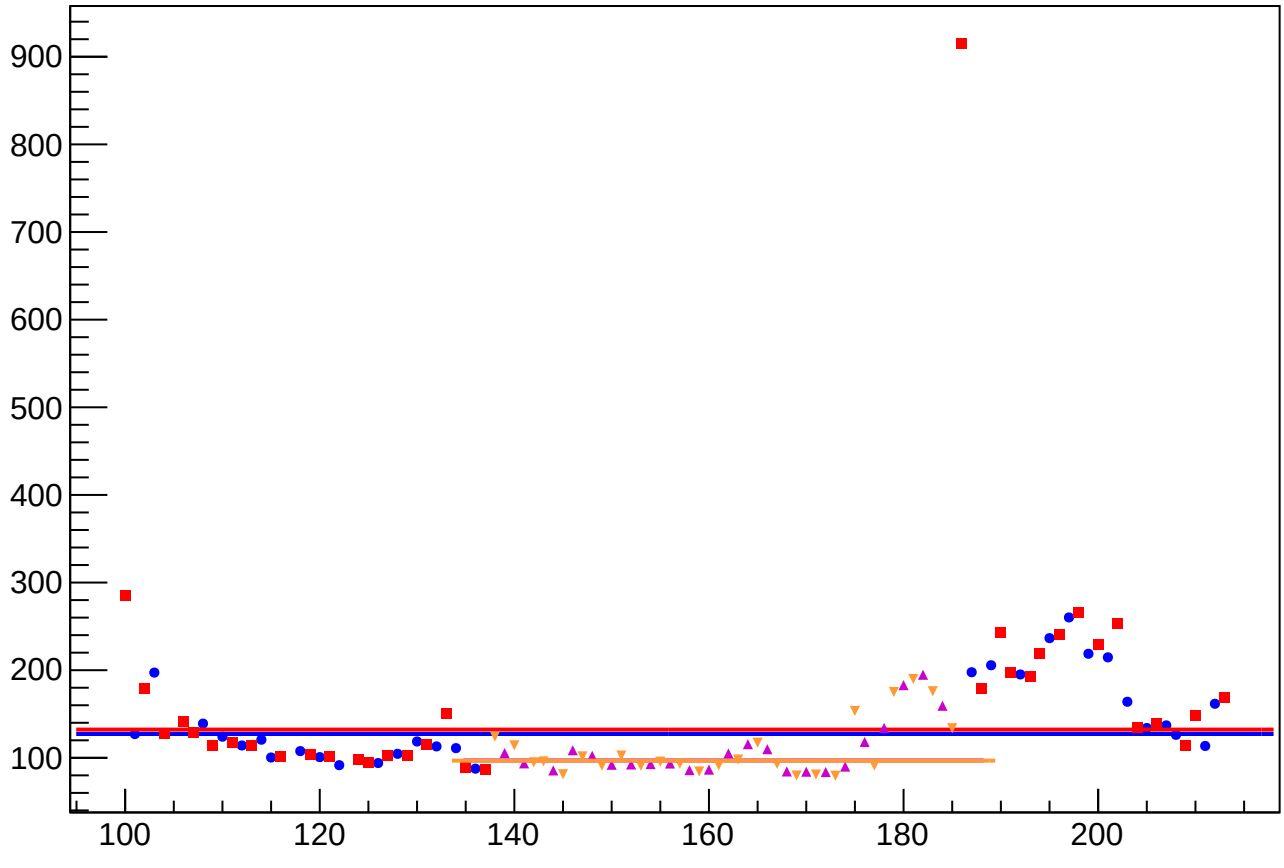
In: -60.126+/-149.857 χ^2/NDF:64.1/51

Out: -486.223+/-146.873 χ^2/NDF:124.1/58

All: -277.457+/-104.894 χ^2/NDF: 192.3/110


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: 1551.966+/-0.275 χ²/NDF: 2713845.8/28
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: 1594.250+/-0.195 χ²/NDF: 5911207.3/62
In: 811.252+/-0.106 χ²/NDF:12428956.0/51
Out: 816.728+/-0.104 χ²/NDF:14570953.8/58
All: 814.045+/-0.074 χ²/NDF: 27001271.6/11


eigen_dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: -14.344+/-32.266 χ²/NDF: 29.9/28
Left Out: 30.684+/-22.856 χ²/NDF:19.9/24
Right Out: -1.169+/-32.573 χ²/NDF: 54.4/33
Left In: 73.146+/-23.510 χ²/NDF:34.5/22
Left: 51.316+/-16.388 χ²/NDF: 56.1/47
Right: -7.819+/-22.923 χ²/NDF: 84.4/62
In: 42.804+/-19.001 χ²/NDF:69.2/51
Out: 20.175+/-18.709 χ²/NDF:75.0/58
All: 31.315+/-13.332 χ²/NDF: 144.9/110



Right In: 127.207+/-0.023 χ^2/NDF: 2917665.4/28

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

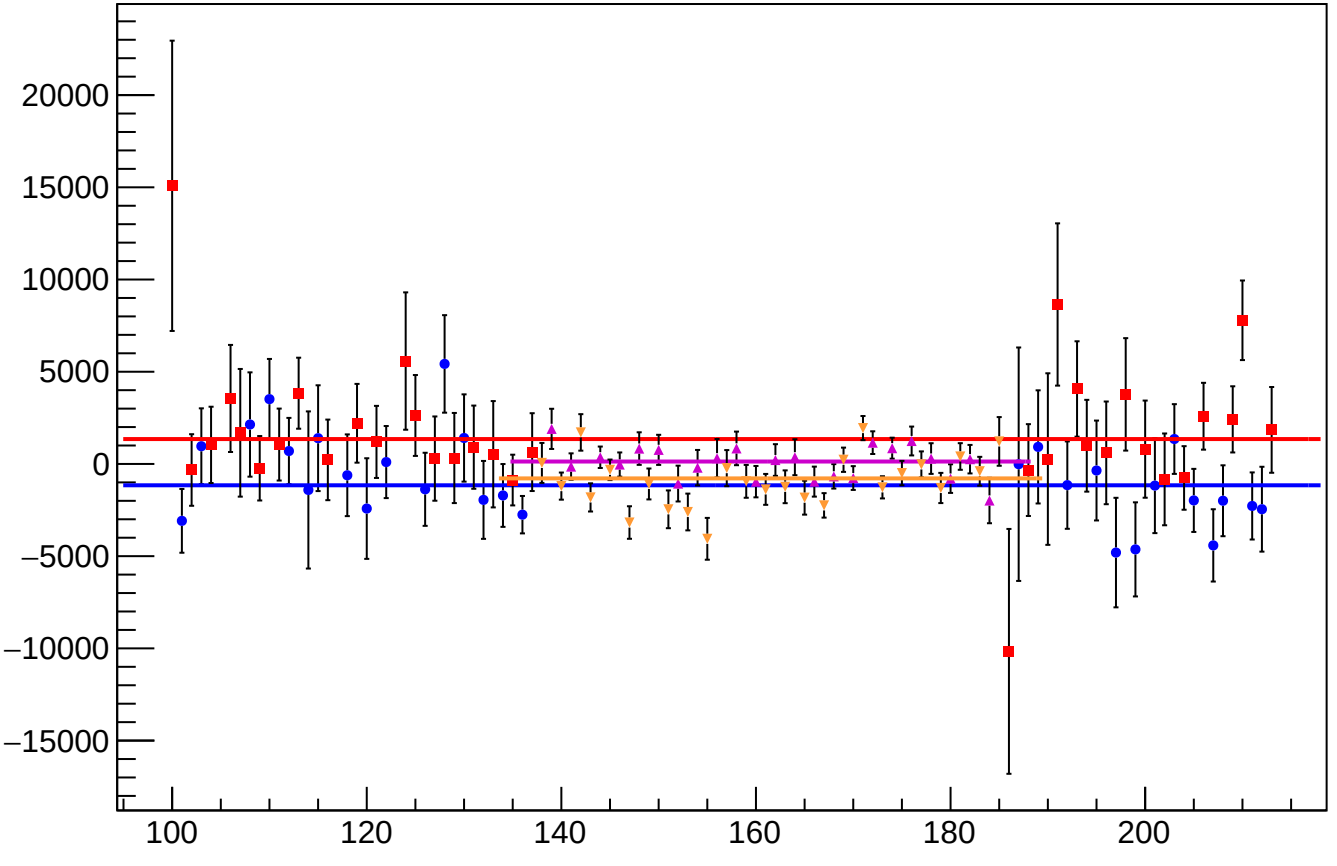
Right: 129.696+/-0.016 χ^2/NDF: 6960390.7/62

In: 107.487+/-0.013 χ^2/NDF:5382590.8/51

Out: 108.486+/-0.013 χ^2/NDF:7325296.1/58

All: 107.994+/-0.009 χ^2/NDF: 12710693.0/11

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1157.268+/-388.734 χ^2/NDF: 30.5/28

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

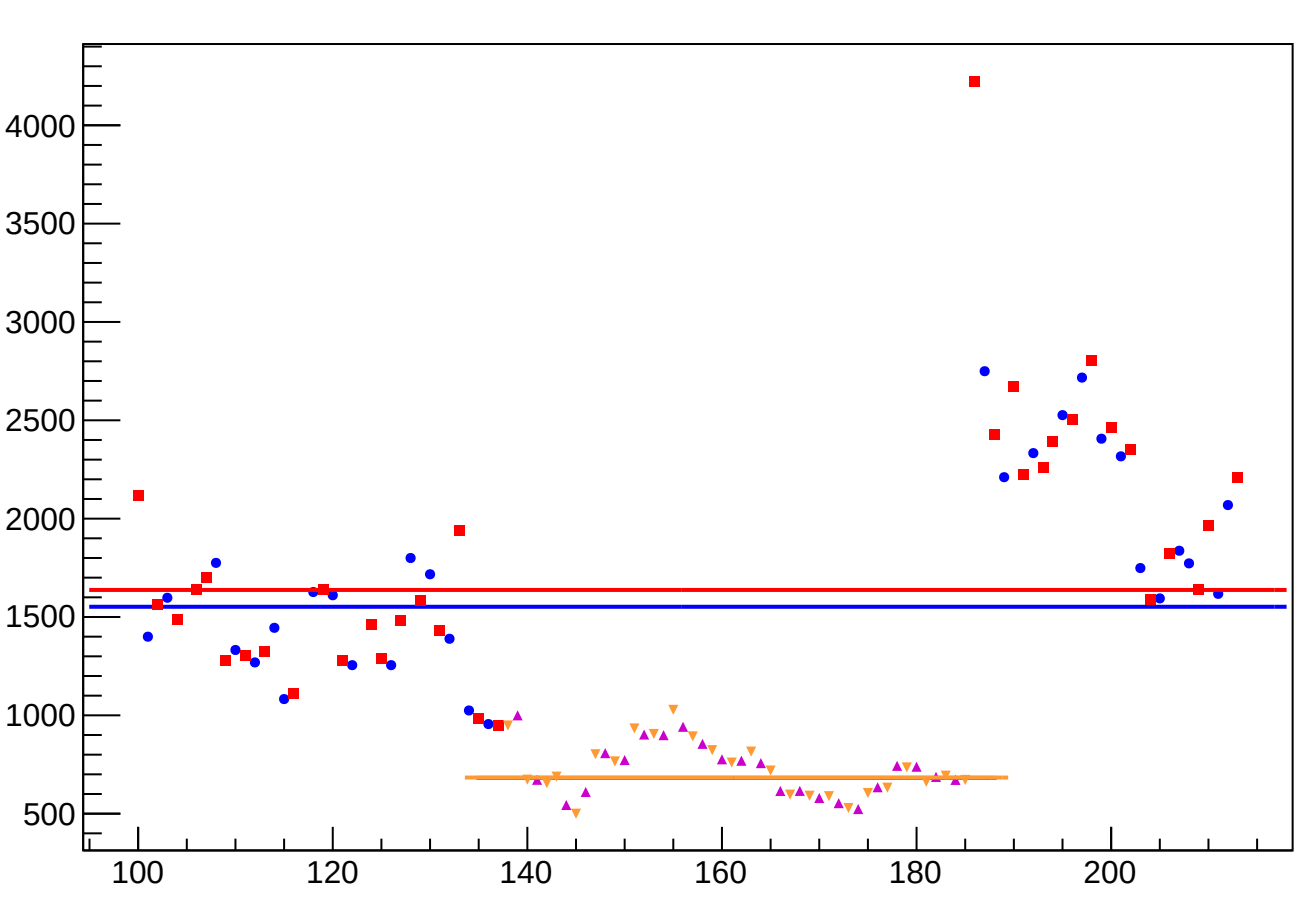
Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

Right: 81.573+/-276.470 χ^2/NDF: 83.5/62

In: -60.125+/-149.856 χ^2/NDF:64.1/51

Out: -486.222+/-146.873 χ^2/NDF:124.1/58

All: -277.457+/-104.894 χ^2/NDF: 192.3/110



Right In: 1551.964+/-0.275 χ^2/NDF: 2713854.9/28

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

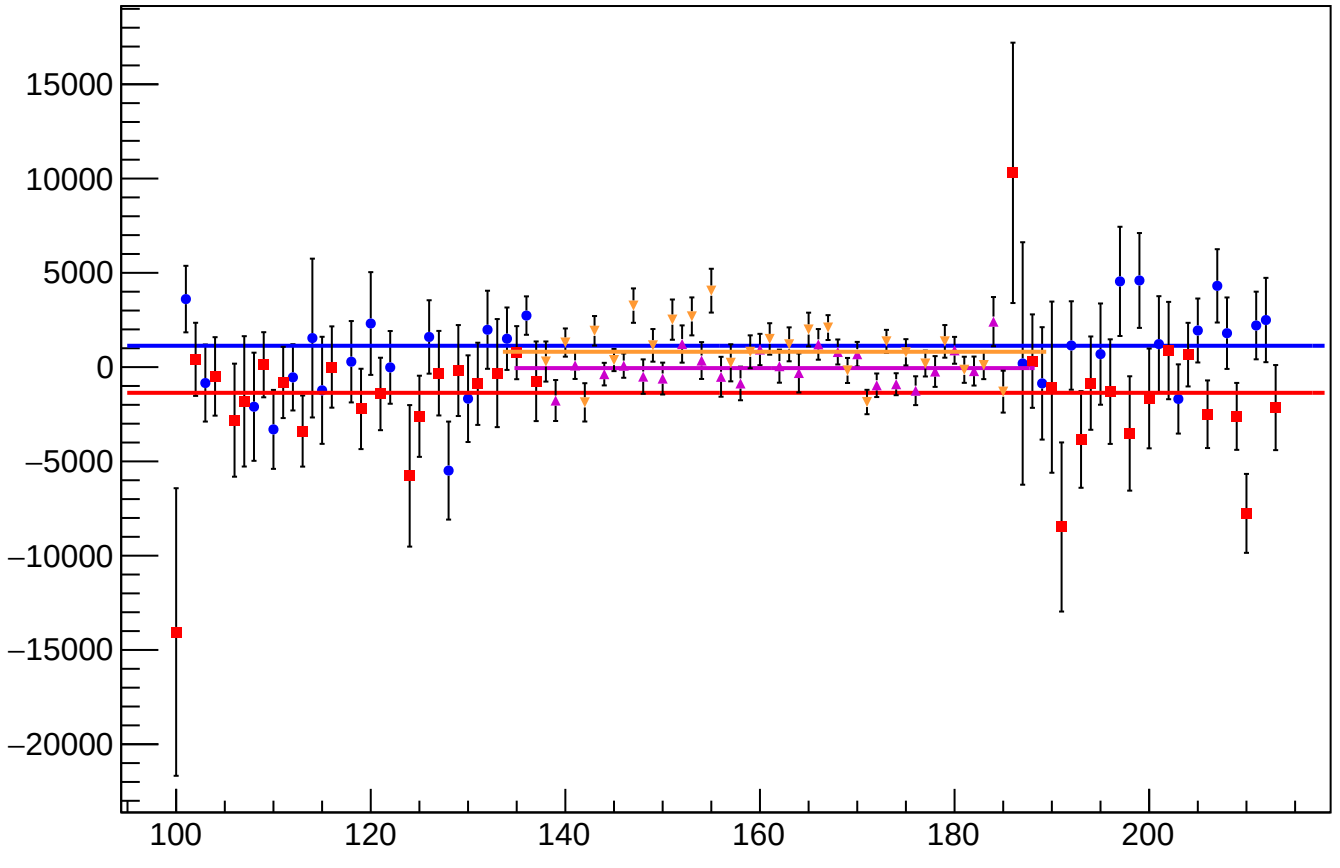
Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

Right: 1594.247+/-0.195 χ^2/NDF: 5911228.1/62

In: 811.250+/-0.106 χ^2/NDF:12428972.6/51

Out: 816.726+/-0.104 χ^2/NDF:14570976.9/58

All: 814.043+/-0.074 χ^2/NDF: 27001311.3/11



Right In: 1132.306+/-383.976 χ^2/NDF: 31.6/28

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

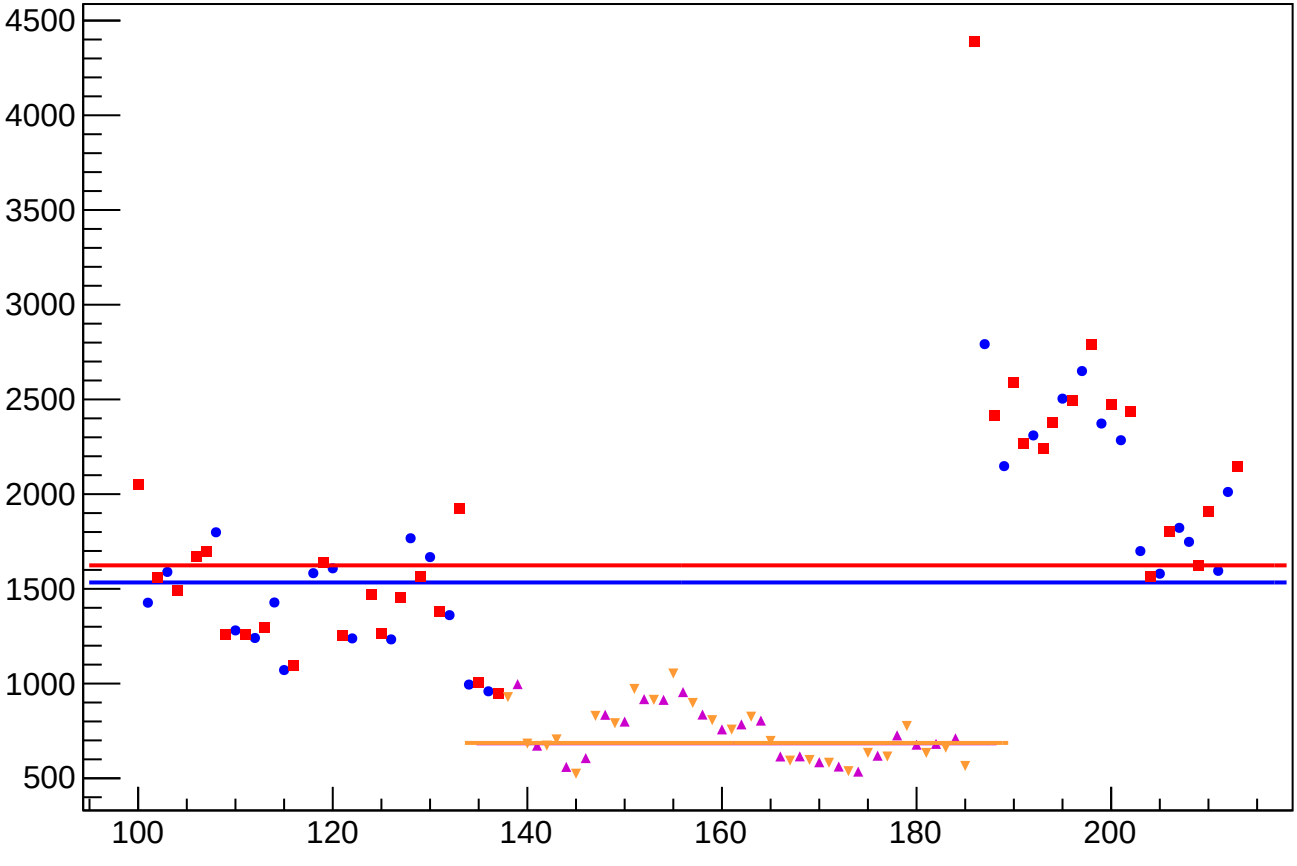
Right: -95.200+/-273.712 χ^2/NDF: 83.5/62

In: 128.653+/-150.069 χ^2/NDF:65.0/51

Out: 503.259+/-147.452 χ^2/NDF:123.6/58

All: 319.250+/-105.177 χ^2/NDF: 191.8/110

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1533.752+/-0.272 χ^2/NDF: 2663398.0/28

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

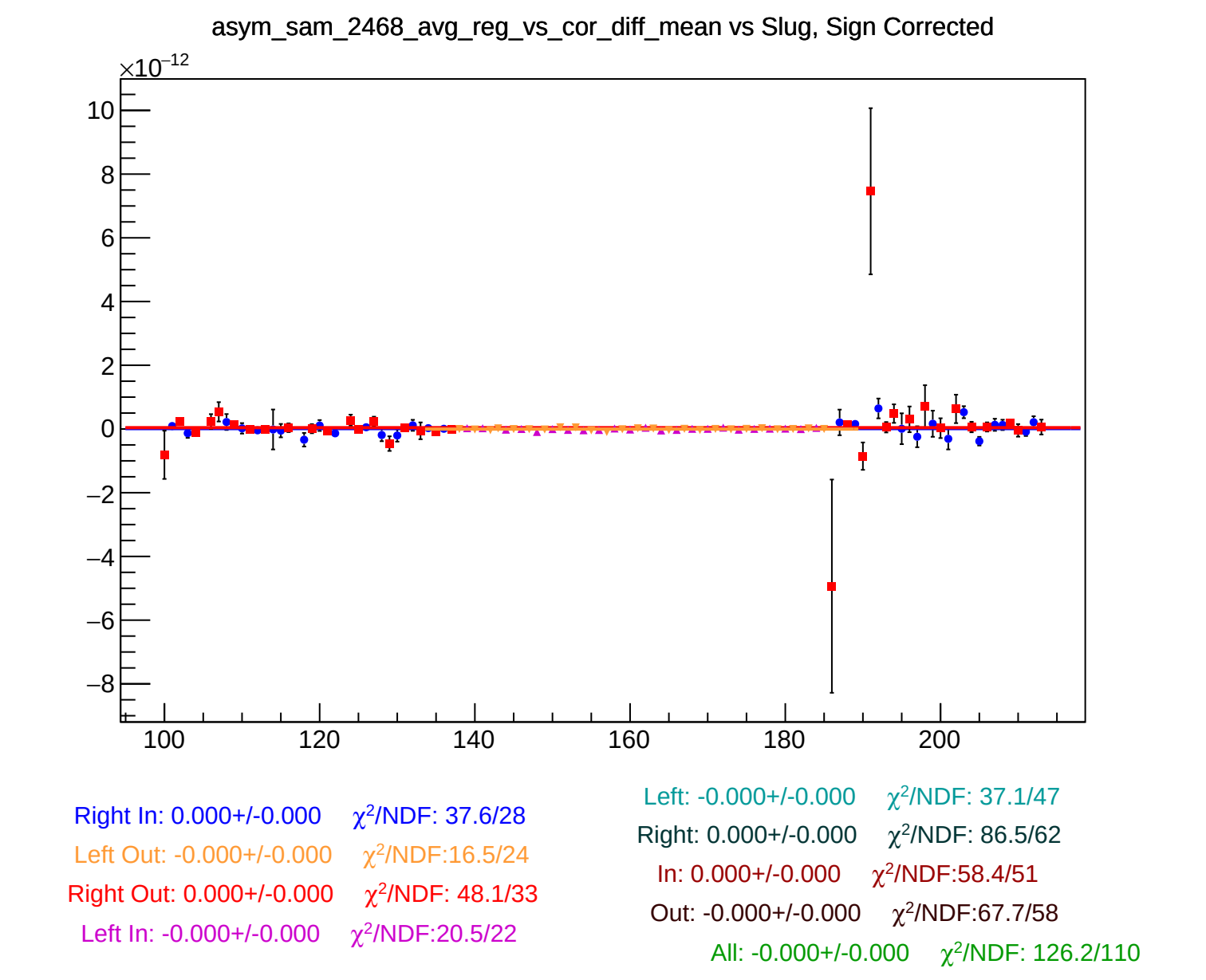
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

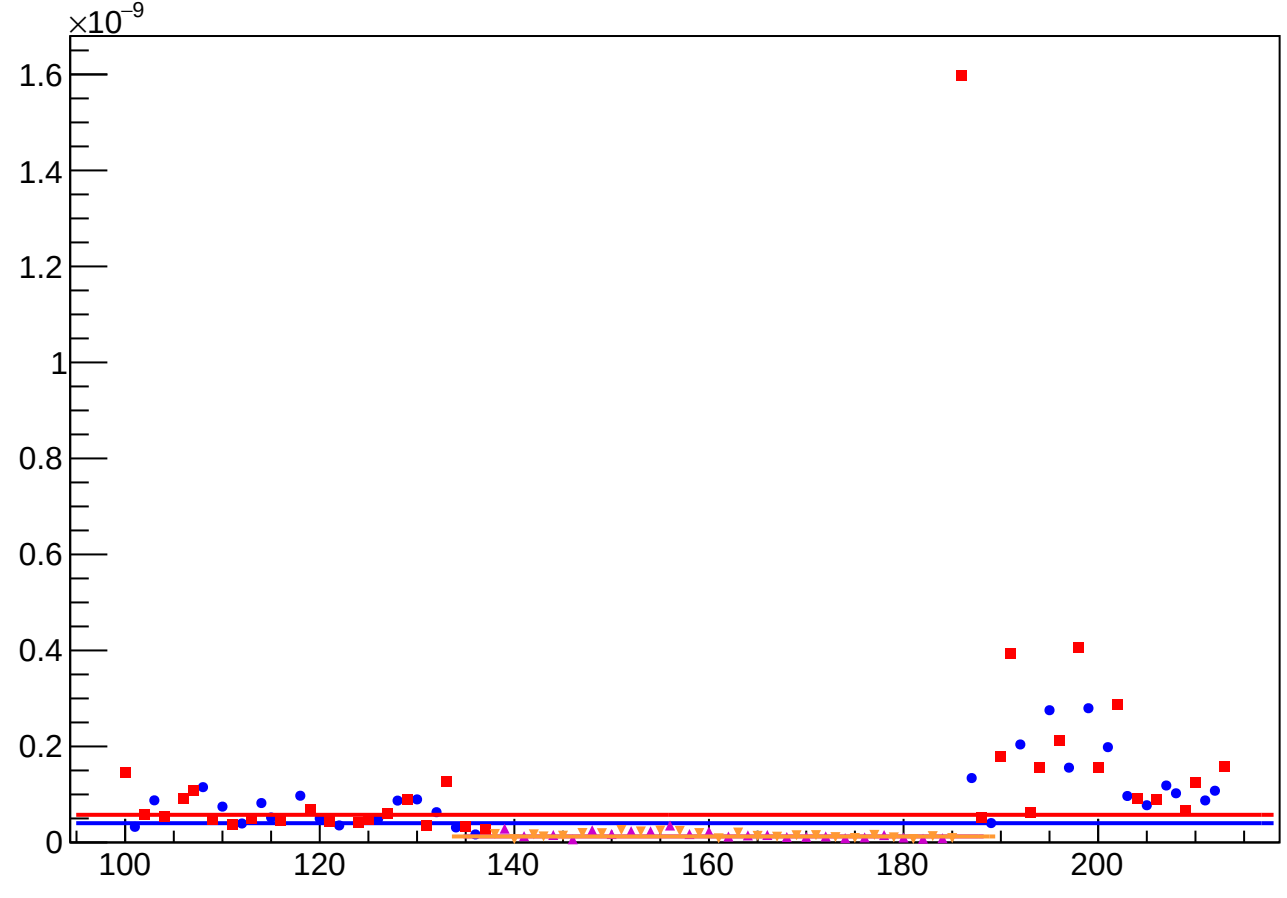
Right: 1578.138+/-0.194 χ^2/NDF: 5881557.3/62

In: 814.443+/-0.106 χ^2/NDF:12112575.5/51

Out: 820.493+/-0.104 χ^2/NDF:14364925.4/58

All: 817.521+/-0.074 χ^2/NDF: 26479154.6/1


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: 37.6/28
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: 86.5/62
In: 0.000+/-0.000 χ²/NDF:58.4/51
Out: -0.000+/-0.000 χ²/NDF:67.7/58
All: -0.000+/-0.000 χ²/NDF: 126.2/110



Right In: 0.000+/-0.000 χ^2/NDF: 6282060.4/28

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

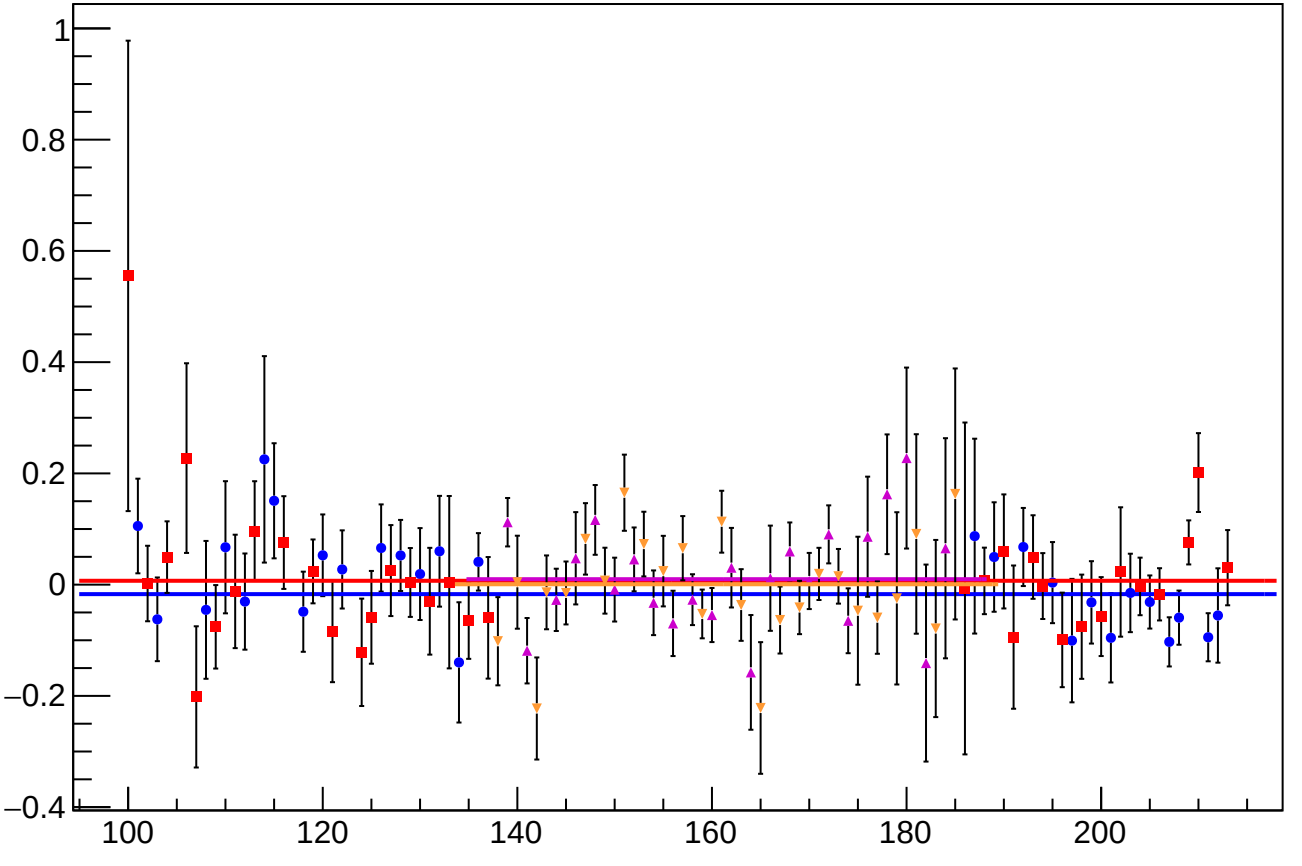
Right: 0.000+/-0.000 χ^2/NDF: 11086219.2/62

In: 0.000+/-0.000 χ^2/NDF:11757286.7/51

Out: 0.000+/-0.000 χ^2/NDF:12285046.4/58

All: 0.000+/-0.000 χ^2/NDF: 24042780.4/110

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.013 χ^2/NDF: 26.4/28

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

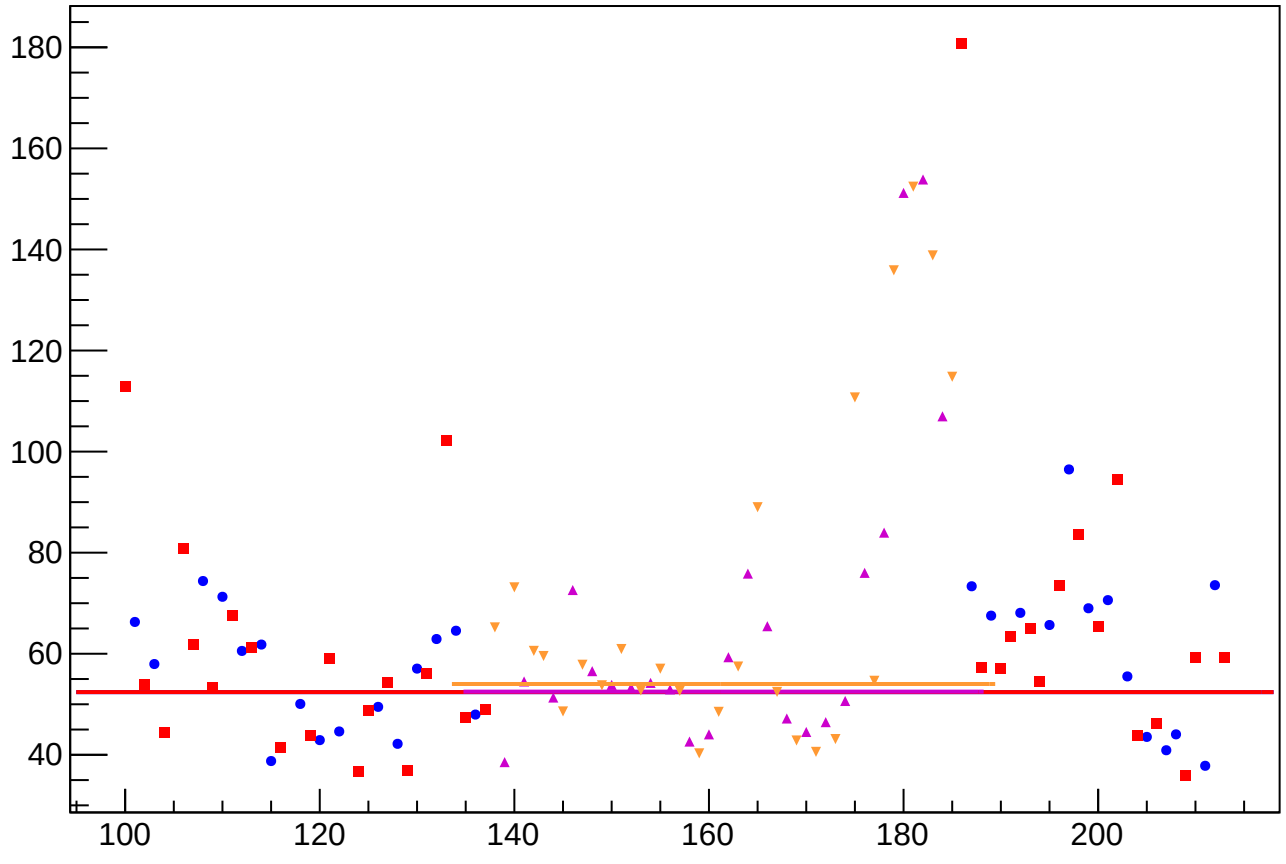
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: -0.005+/-0.009 χ^2/NDF: 58.1/62

In: -0.003+/-0.009 χ^2/NDF:60.4/51

Out: 0.004+/-0.009 χ^2/NDF:61.8/58

All: 0.000+/-0.007 χ^2/NDF: 122.5/110



Right In: 52.396+/-0.009 χ^2/NDF: 1797598.4/28

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

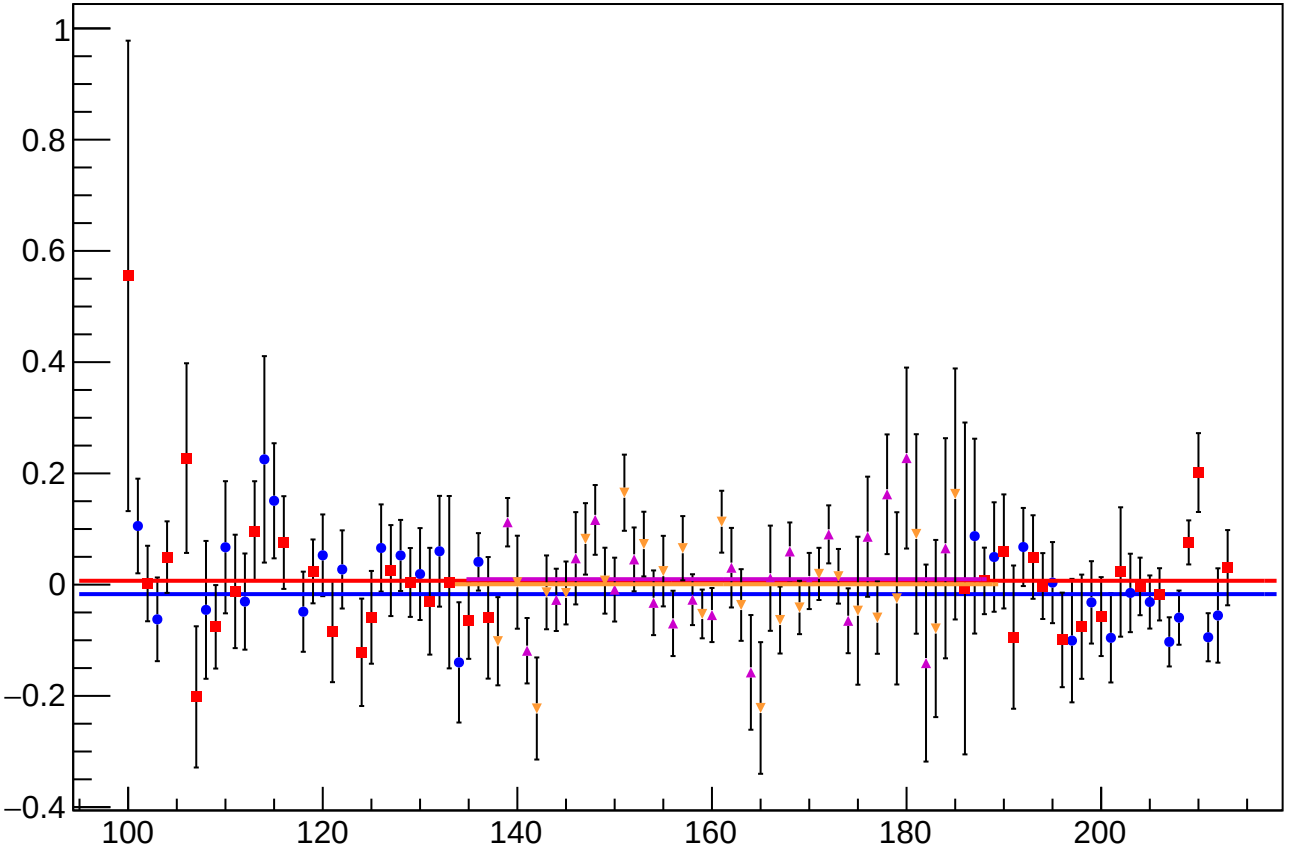
Right: 52.404+/-0.007 χ^2/NDF: 4106669.5/62

In: 52.450+/-0.007 χ^2/NDF:4355425.4/51

Out: 53.196+/-0.007 χ^2/NDF:5551577.5/58

All: 52.828+/-0.005 χ^2/NDF: 9913403.1/110

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.013 χ^2/NDF: 26.4/28

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

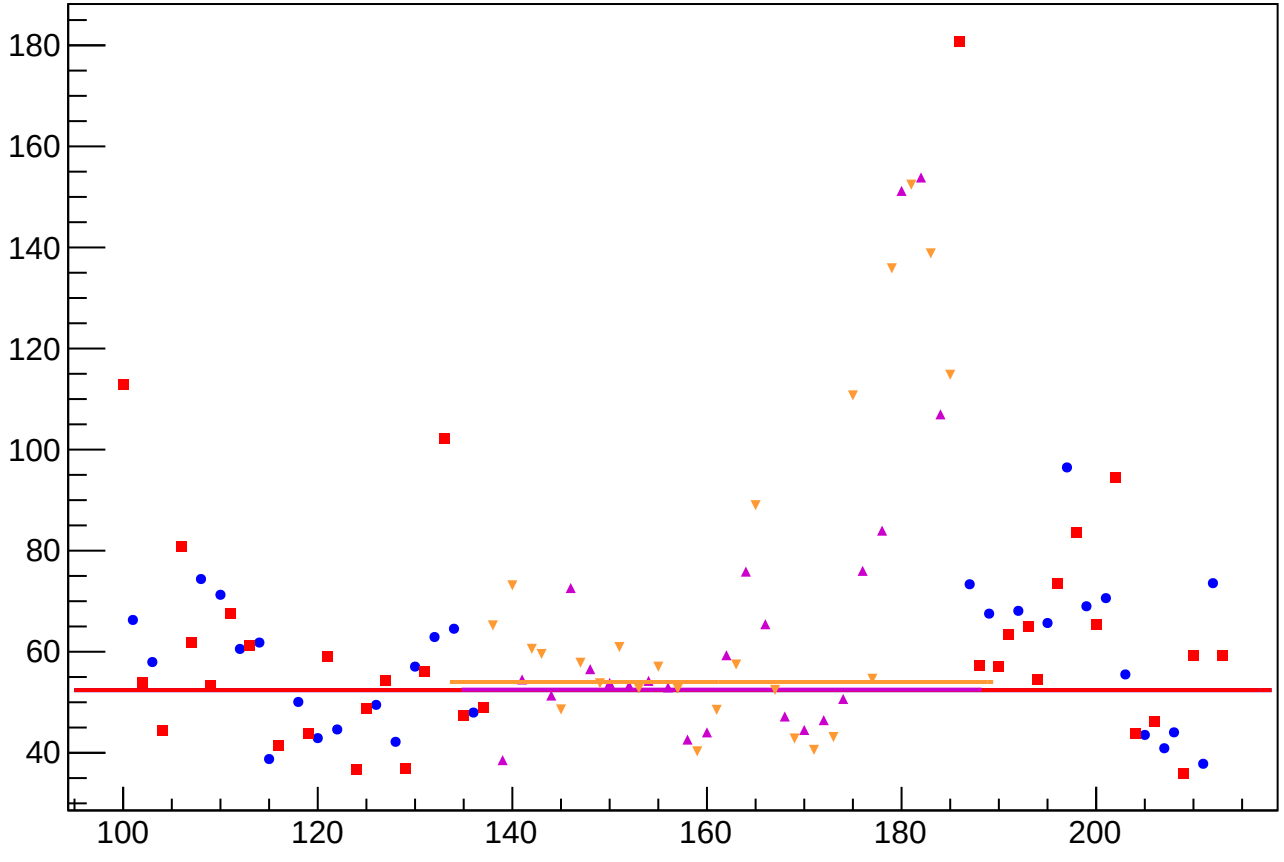
Right: -0.005+/-0.009 χ^2/NDF: 58.1/62

In: -0.003+/-0.009 χ^2/NDF:60.4/51

Out: 0.004+/-0.009 χ^2/NDF:61.8/58

All: 0.000+/-0.007 χ^2/NDF: 122.5/110

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.396+/-0.009 χ^2/NDF: 1797598.4/28

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

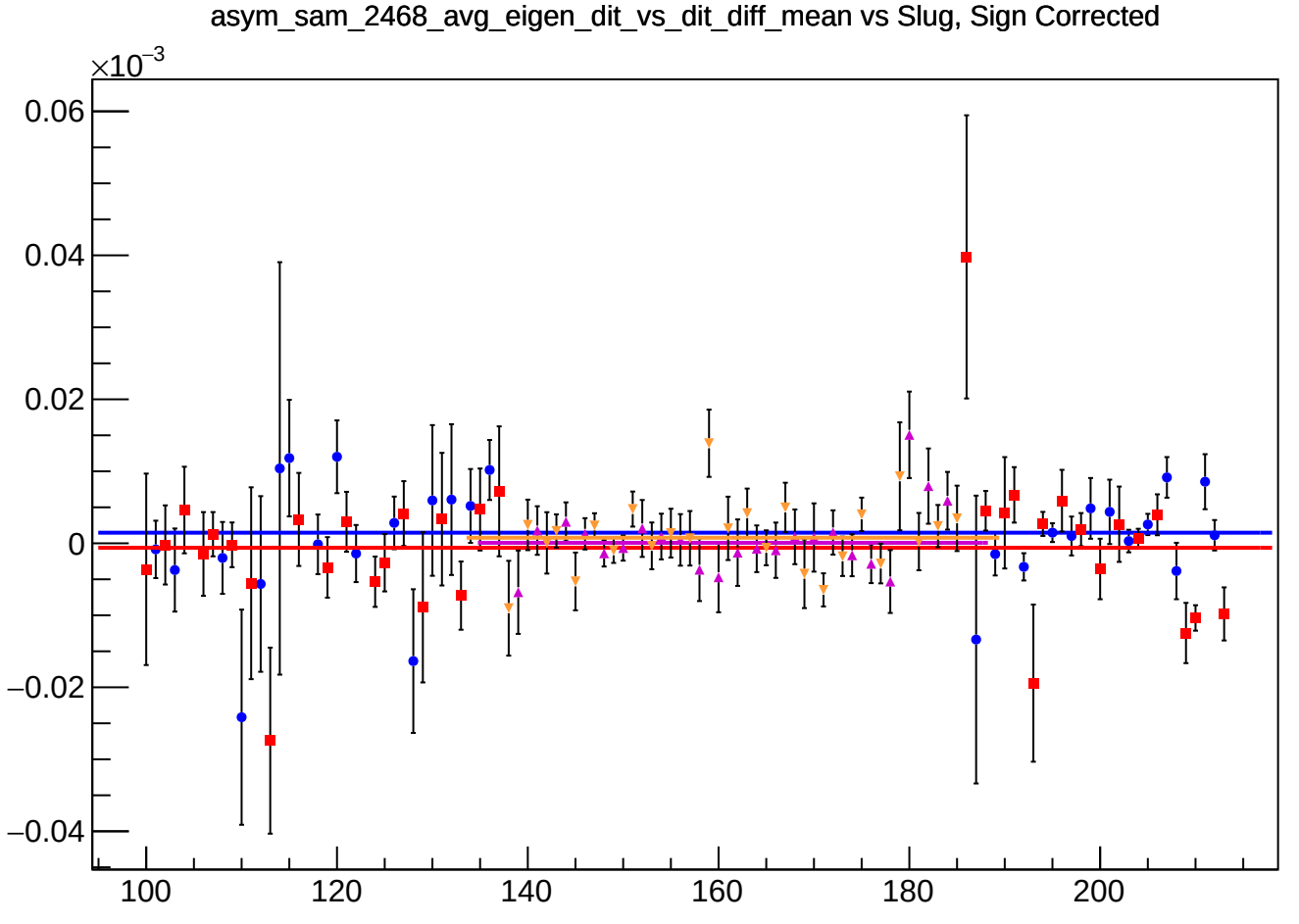
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 52.404+/-0.007 χ^2/NDF: 4106669.5/62

In: 52.450+/-0.007 χ^2/NDF:4355425.4/51

Out: 53.196+/-0.007 χ^2/NDF:5551577.5/58

All: 52.828+/-0.005 χ^2/NDF: 9913403.1/110



Right In: 0.000+/-0.000 χ^2/NDF: 43.1/28

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

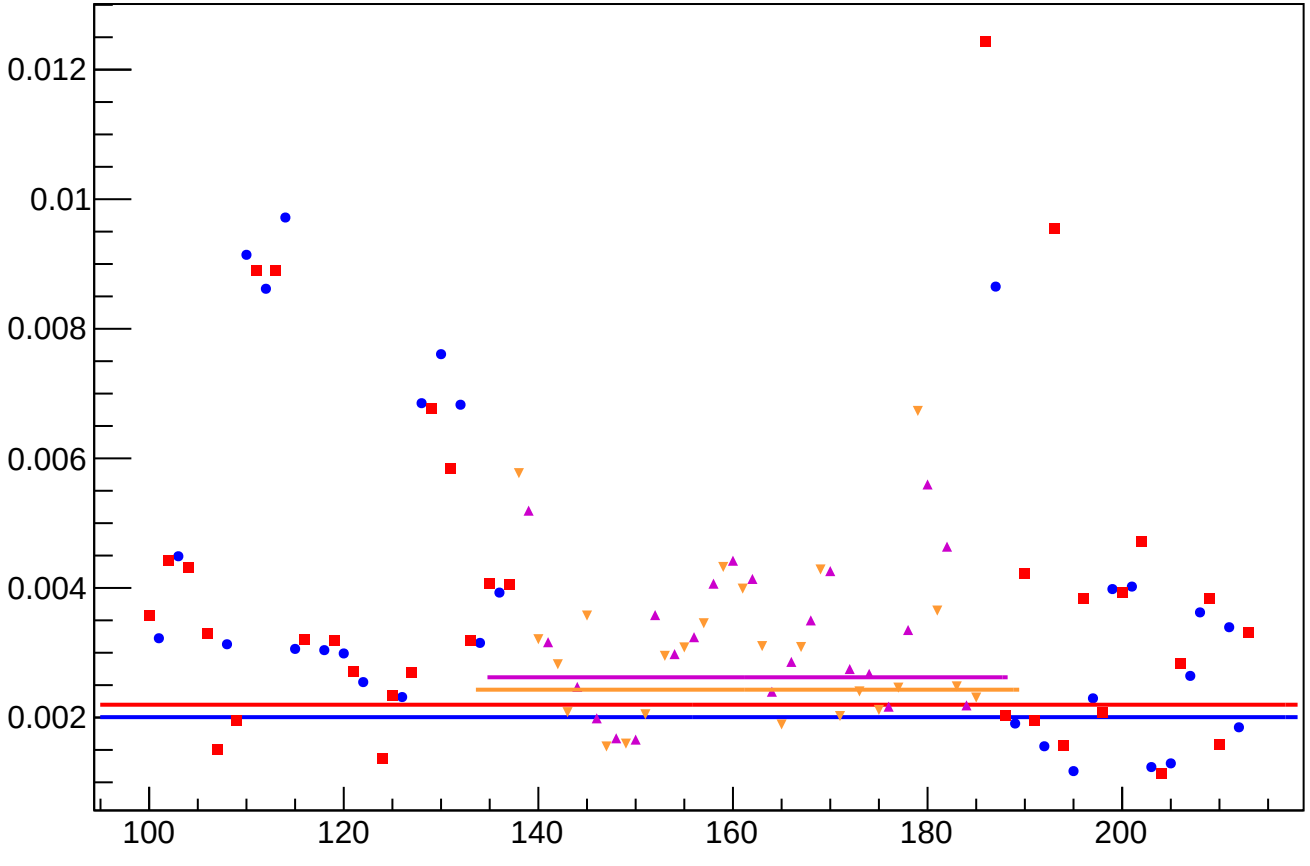
Right: 0.000+/-0.000 χ^2/NDF: 135.7/62

In: 0.000+/-0.000 χ^2/NDF:65.9/51

Out: 0.000+/-0.000 χ^2/NDF:127.0/58

All: 0.000+/-0.000 χ^2/NDF: 194.6/110

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7813985.6/28

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

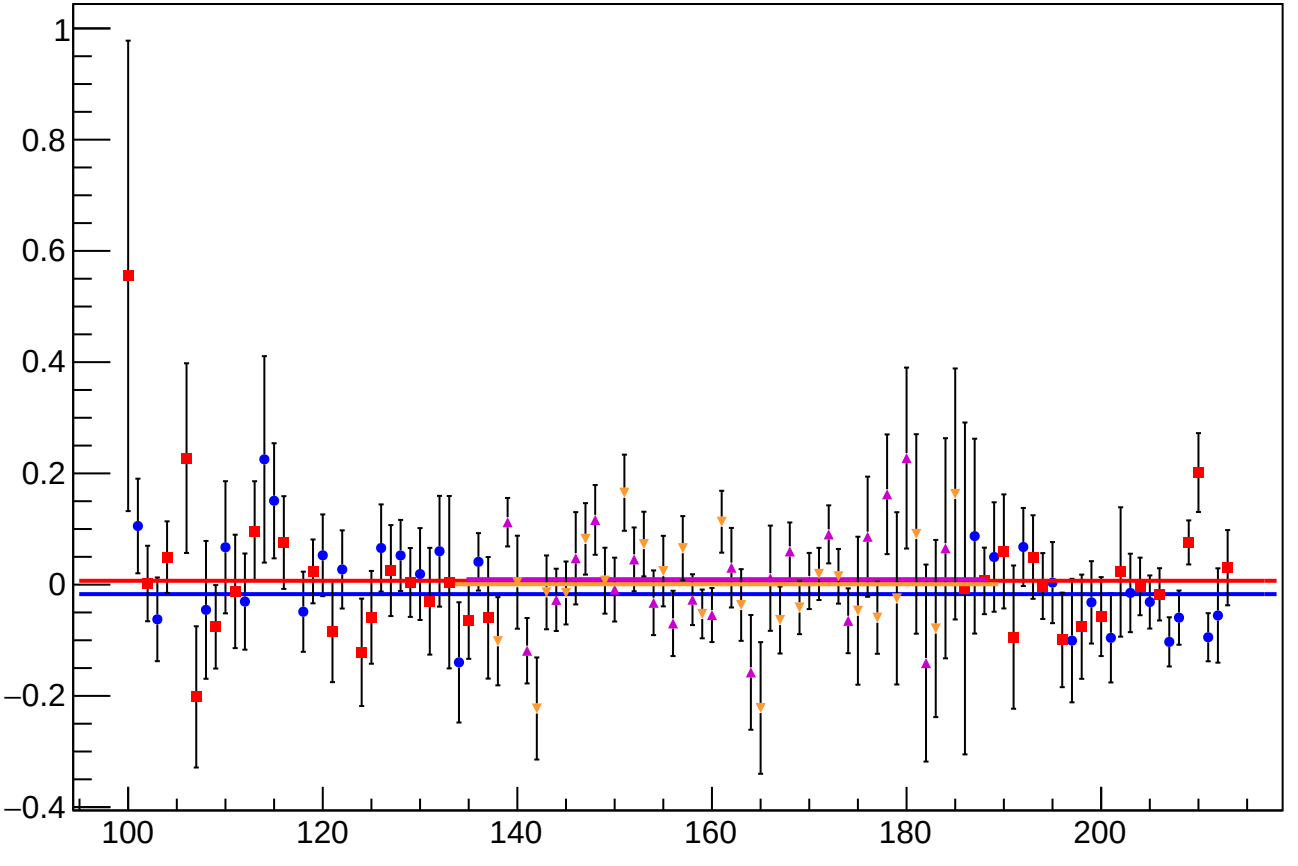
Right: 0.002+/-0.000 χ^2/NDF: 16284200.4/62

In: 0.002+/-0.000 χ^2/NDF:12766281.3/51

Out: 0.002+/-0.000 χ^2/NDF:12733030.7/58

All: 0.002+/-0.000 χ^2/NDF: 25511522.8/110

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.013 χ^2/NDF: 26.4/28

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

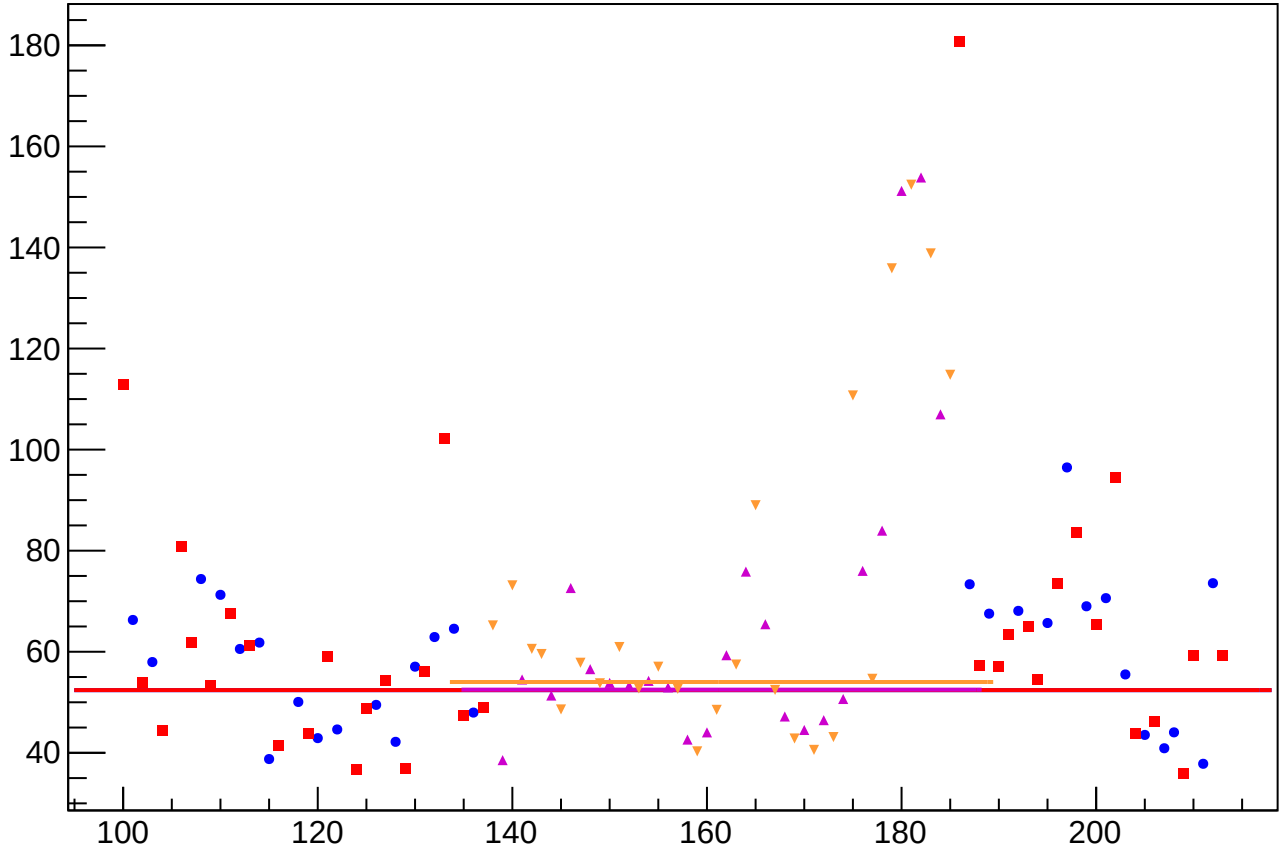
Right: -0.005+/-0.009 χ^2/NDF: 58.1/62

In: -0.003+/-0.009 χ^2/NDF:60.4/51

Out: 0.004+/-0.009 χ^2/NDF:61.8/58

All: 0.000+/-0.007 χ^2/NDF: 122.5/110

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.396+/-0.009 χ^2/NDF: 1797499.3/28

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

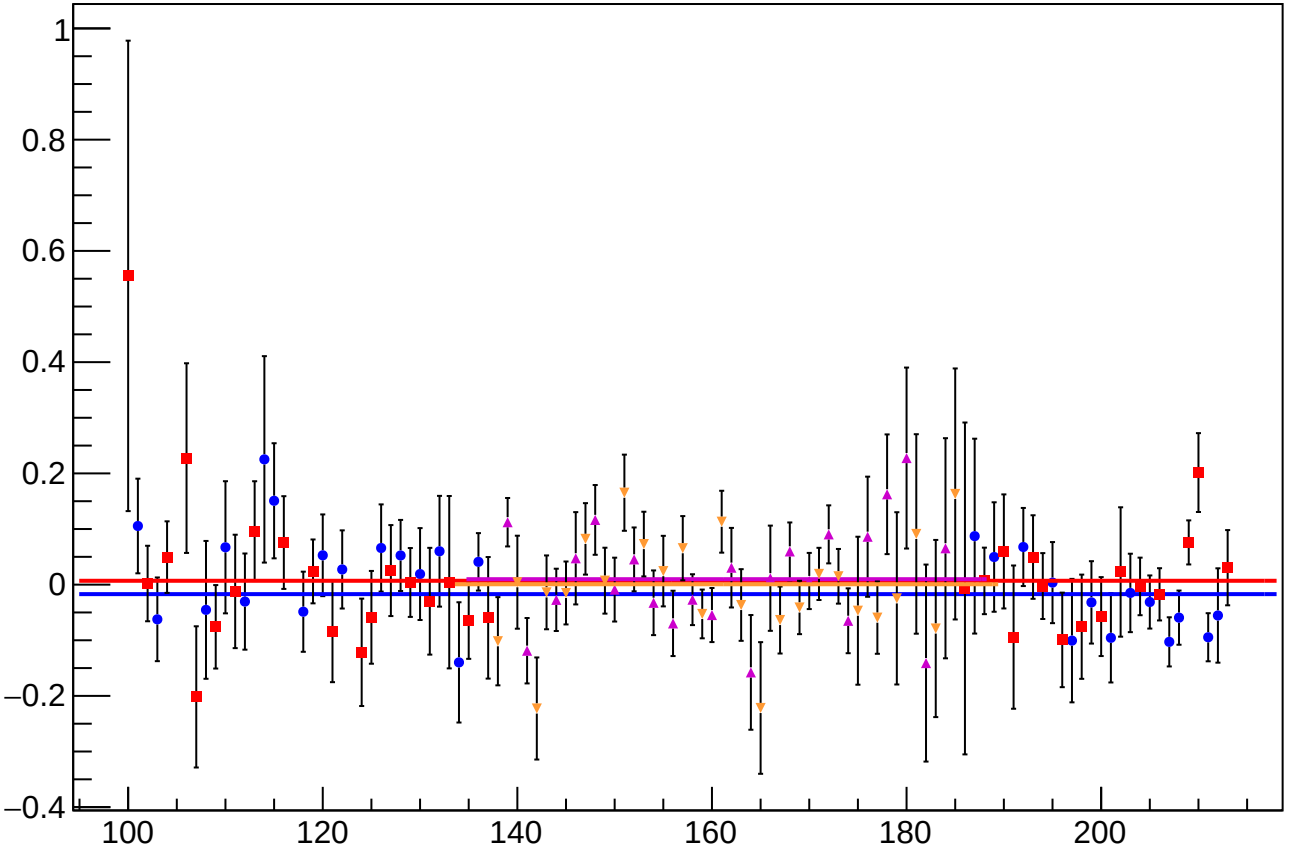
Right: 52.404+/-0.007 χ^2/NDF: 4106497.4/62

In: 52.450+/-0.007 χ^2/NDF:4355369.1/51

Out: 53.196+/-0.007 χ^2/NDF:5551535.3/58

All: 52.828+/-0.005 χ^2/NDF: 9913305.5/110

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.013 χ^2/NDF: 26.4/28

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

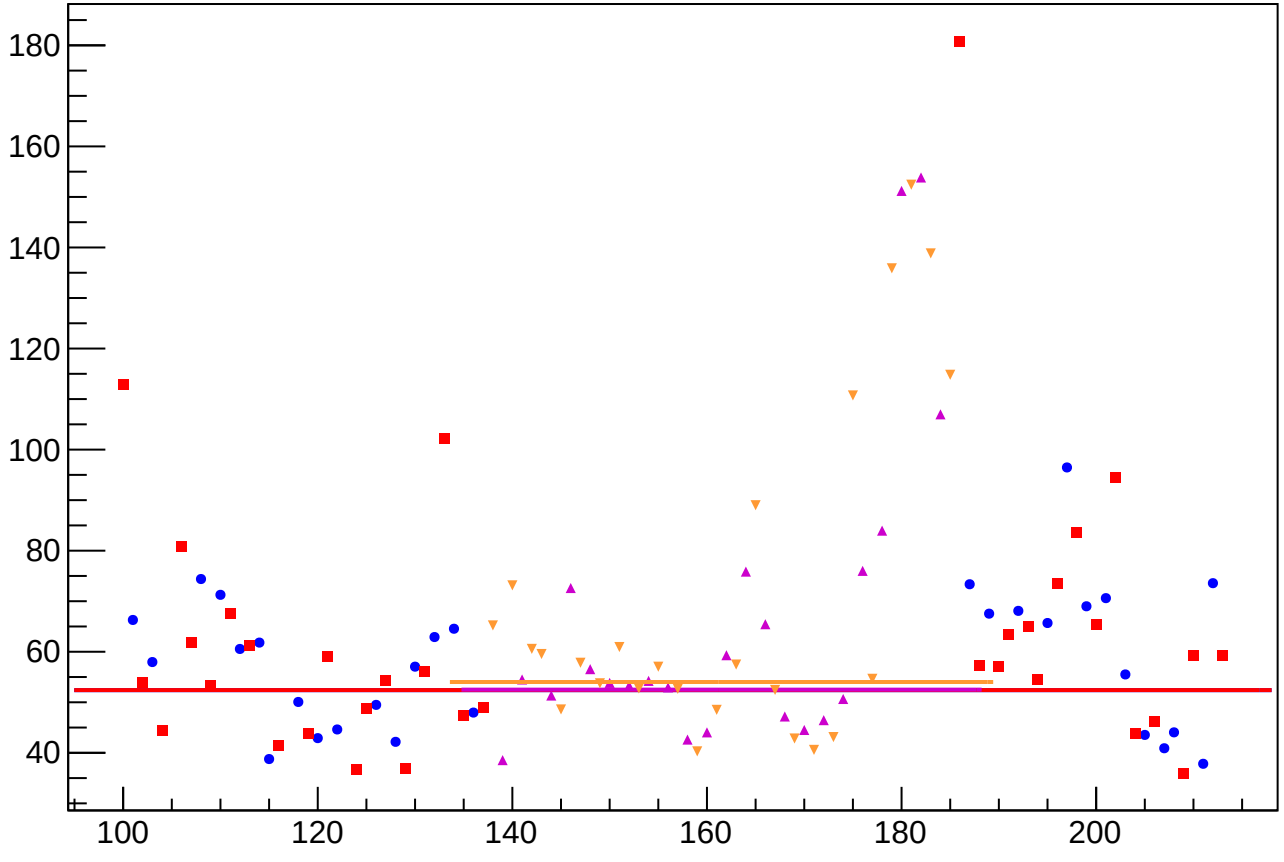
Right: -0.005+/-0.009 χ^2/NDF: 58.1/62

In: -0.003+/-0.009 χ^2/NDF:60.4/51

Out: 0.004+/-0.009 χ^2/NDF:61.8/58

All: 0.000+/-0.007 χ^2/NDF: 122.5/110

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.396+/-0.009 χ^2/NDF: 1797499.3/28

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

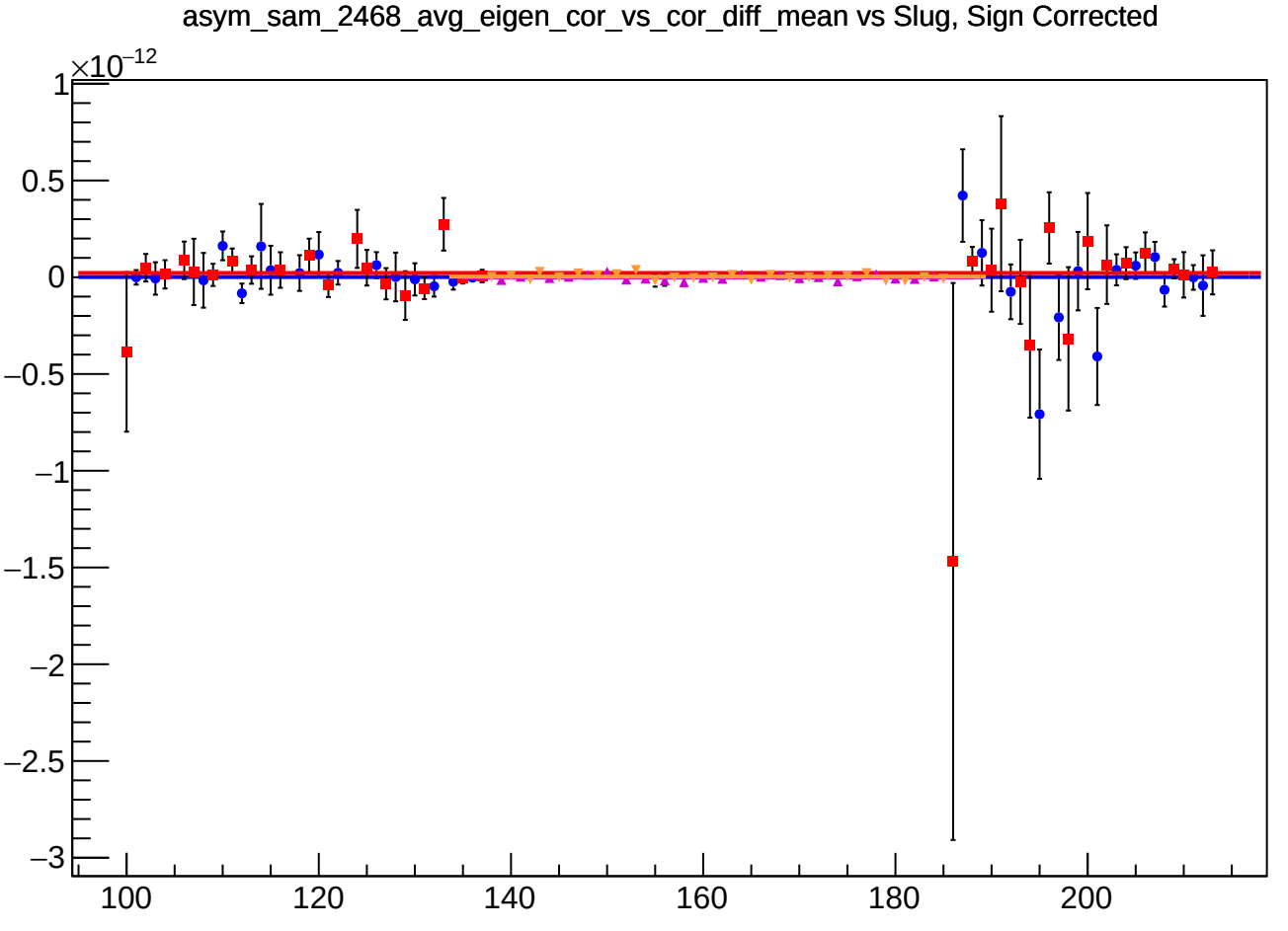
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 52.404+/-0.007 χ^2/NDF: 4106497.4/62

In: 52.450+/-0.007 χ^2/NDF:4355369.1/51

Out: 53.196+/-0.007 χ^2/NDF:5551535.3/58

All: 52.828+/-0.005 χ^2/NDF: 9913305.5/110



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/28

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

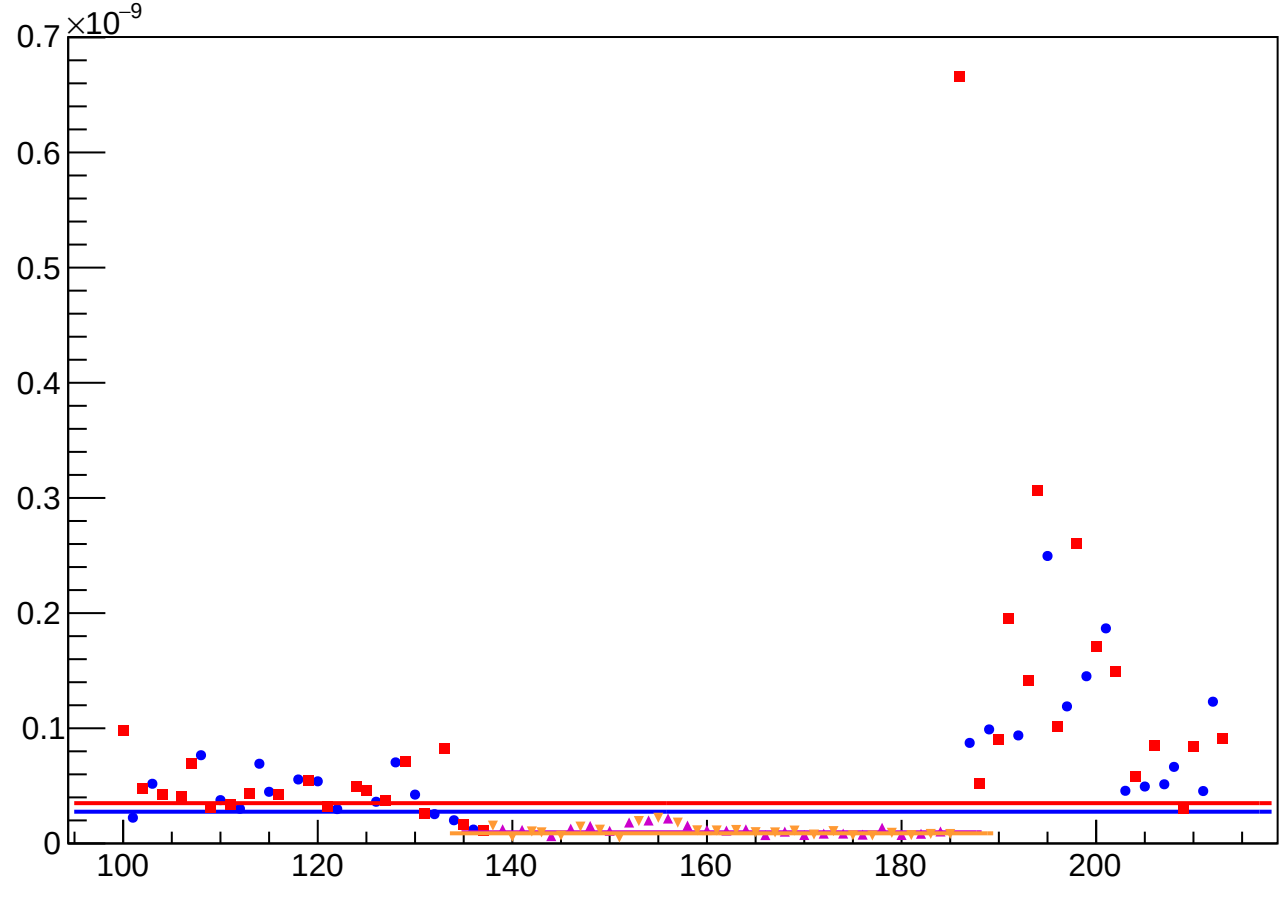
Right: 0.000+/-0.000 χ^2/NDF: 50.2/62

In: -0.000+/-0.000 χ^2/NDF:42.0/51

Out: 0.000+/-0.000 χ^2/NDF:46.0/58

All: 0.000+/-0.000 χ^2/NDF: 89.8/110

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8430260.4/28

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

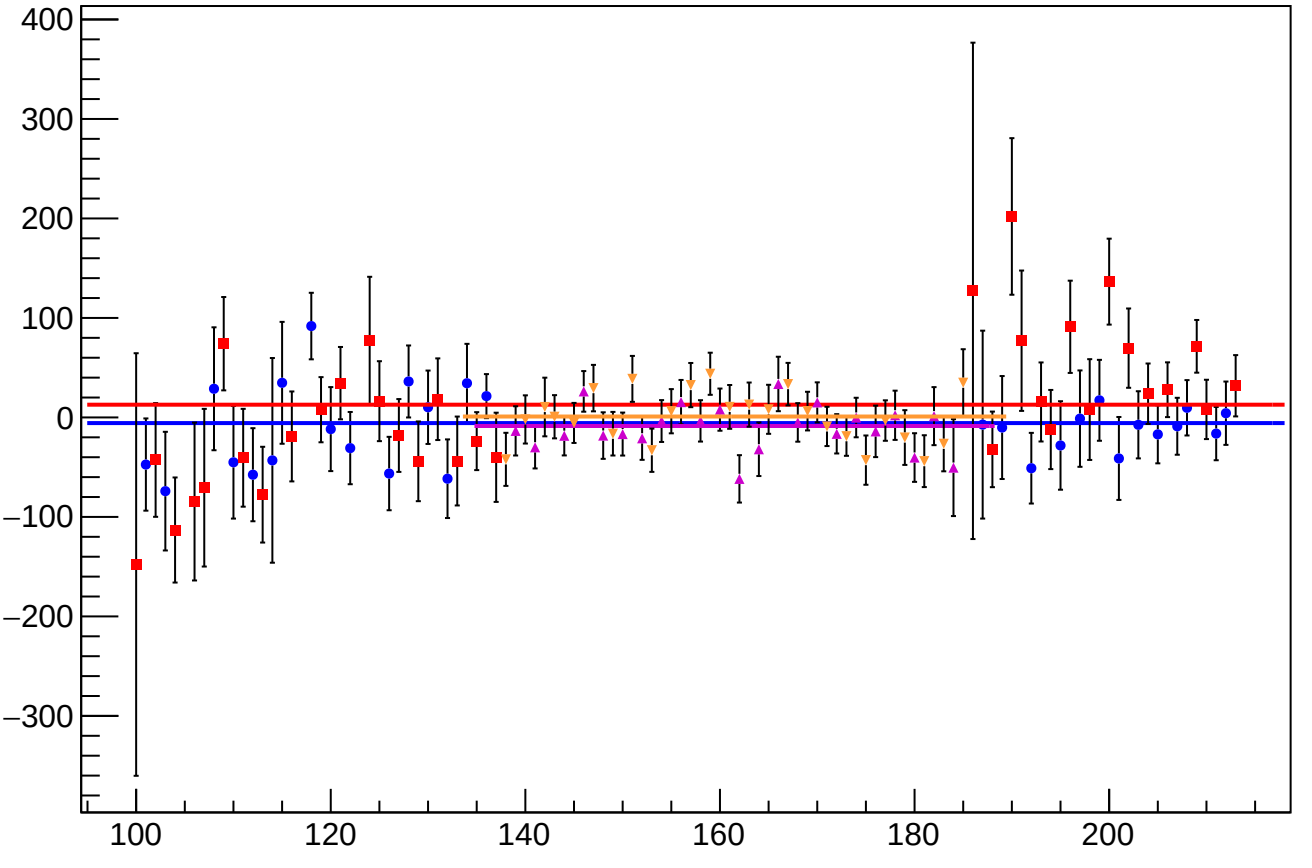
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 17755495.0/62

In: 0.000+/-0.000 χ^2/NDF:15568596.7/51

Out: 0.000+/-0.000 χ^2/NDF:19204767.3/58

All: 0.000+/-0.000 χ^2/NDF: 34913843.5/110



Right In: -5.680+/-7.028 χ^2/NDF: 25.3/28

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

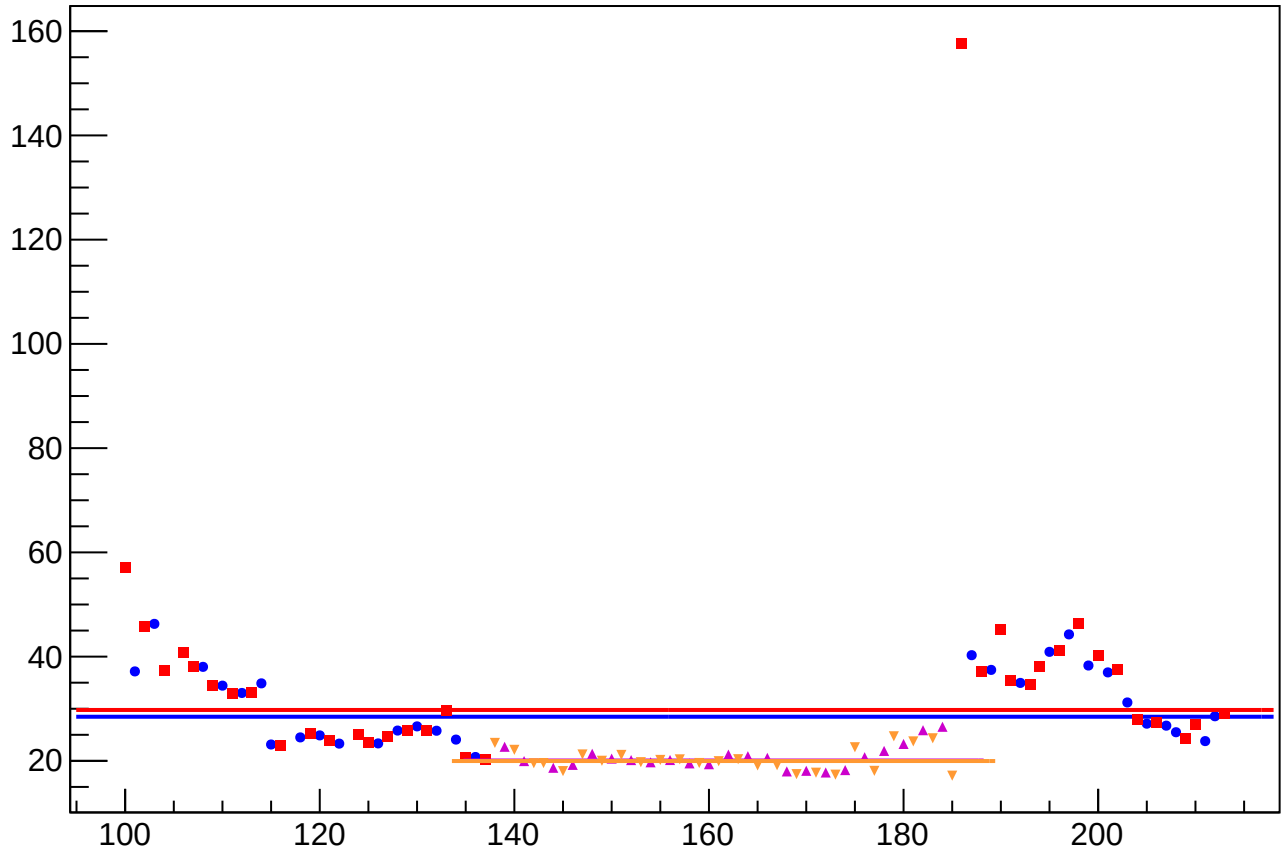
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: 3.470+/-4.994 χ^2/NDF: 81.7/62

In: -7.692+/-3.920 χ^2/NDF:44.8/51

Out: 4.404+/-3.845 χ^2/NDF:84.1/58

All: -1.526+/-2.745 χ^2/NDF: 133.8/110



Right In: 28.467+/-0.005 χ^2/NDF: 1611779.2/28

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

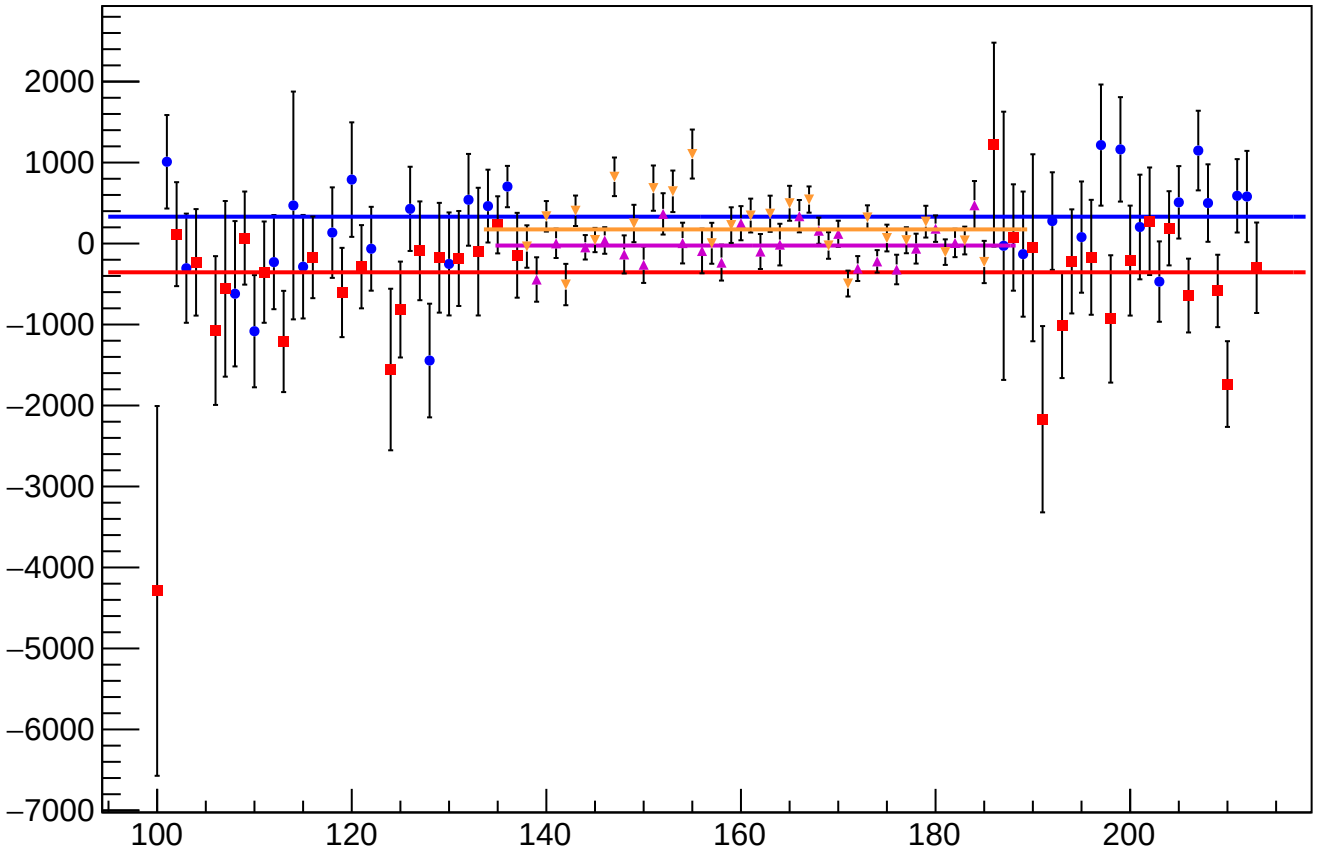
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 29.110+/-0.004 χ^2/NDF: 3996126.5/62

In: 22.685+/-0.003 χ^2/NDF:3878994.0/51

Out: 22.844+/-0.003 χ^2/NDF:5430478.5/58

All: 22.766+/-0.002 χ^2/NDF: 9311155.7/110



Right In: 331.588+/-103.111 χ^2/NDF: 30.0/28

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

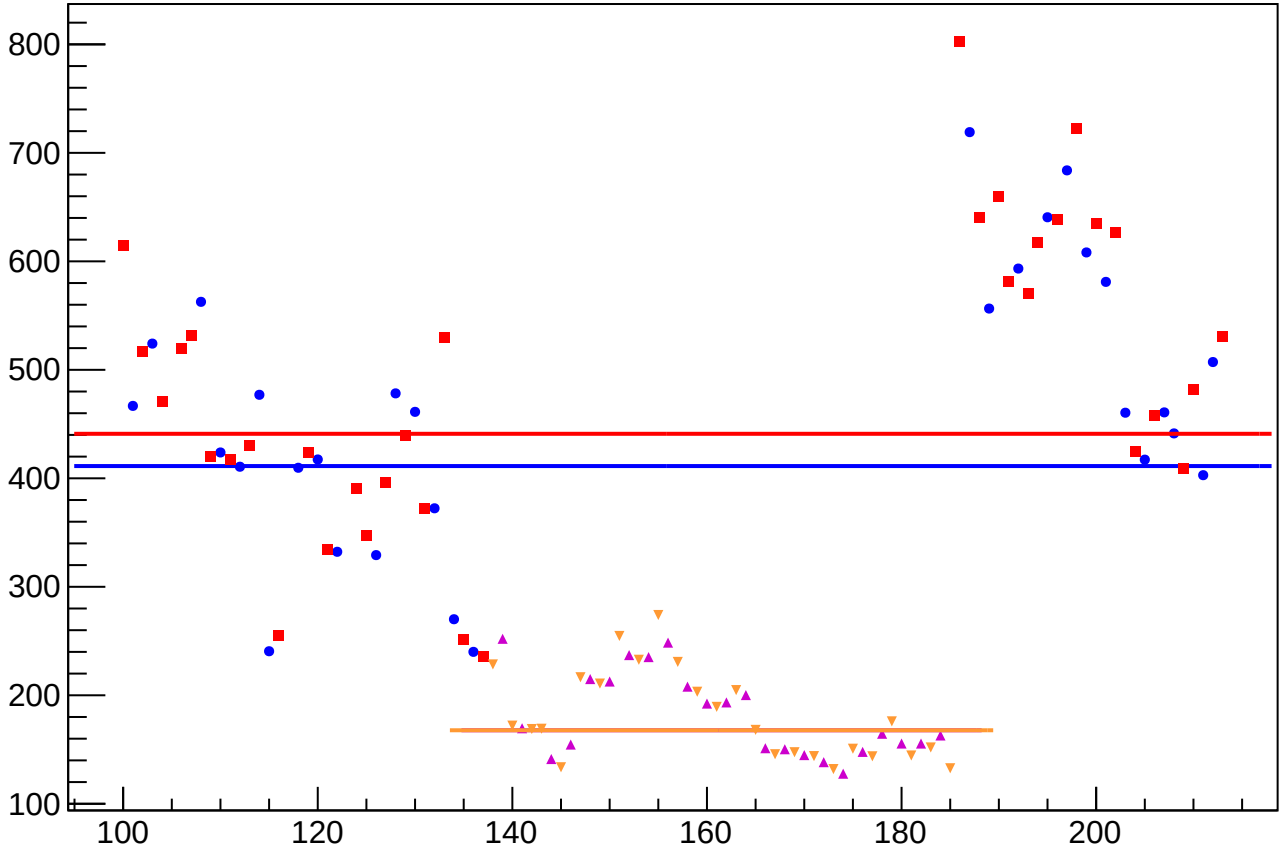
Right: -3.548+/-73.774 χ^2/NDF: 80.1/62

In: 22.144+/-37.349 χ^2/NDF:67.3/51

Out: 110.968+/-36.625 χ^2/NDF:121.8/58

All: 67.425+/-26.150 χ^2/NDF: 191.9/110

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 411.297+/-0.073 χ^2/NDF: 2755048.8/28

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

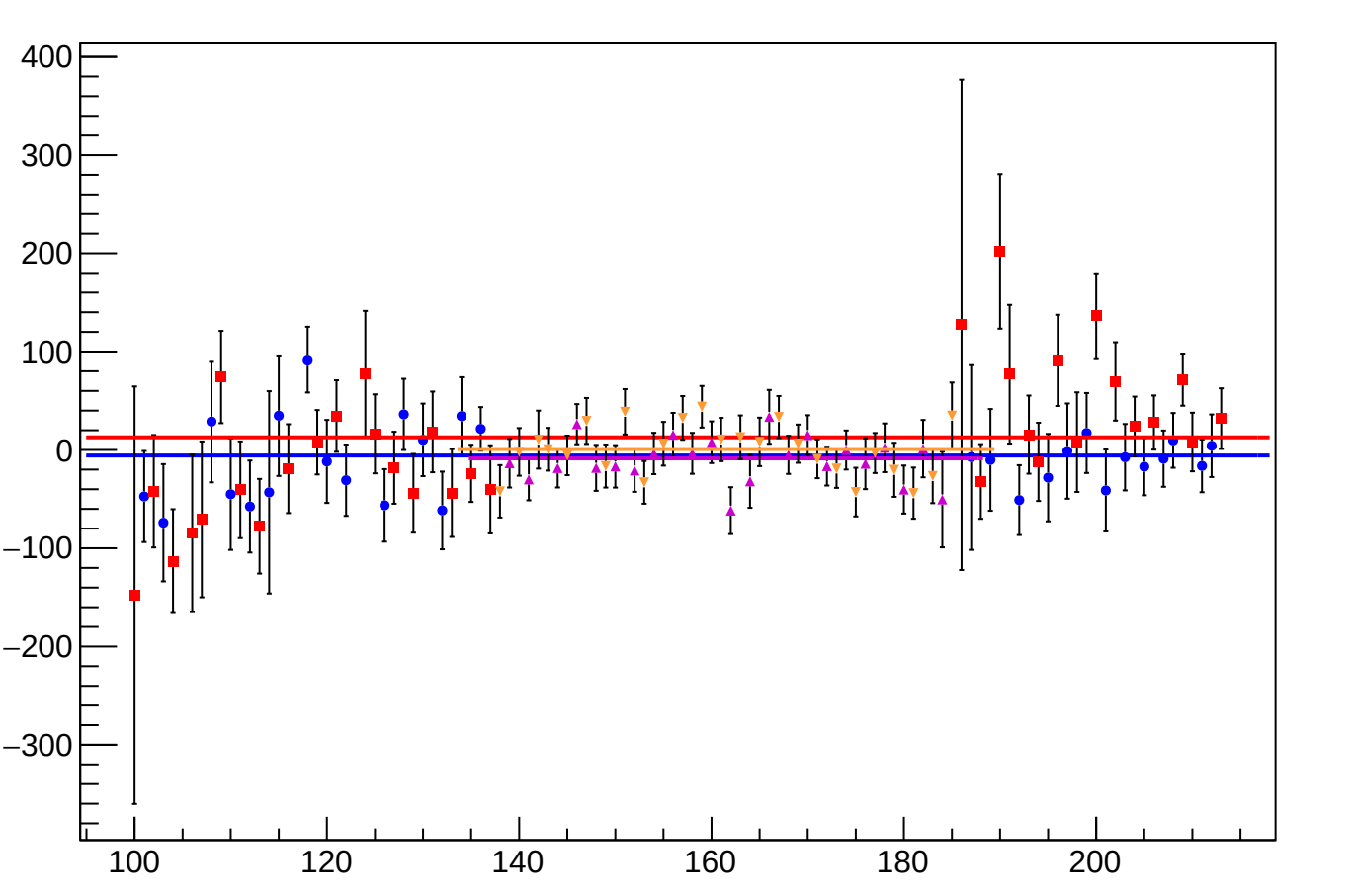
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 425.811+/-0.052 χ^2/NDF: 5767753.8/62

In: 199.703+/-0.026 χ^2/NDF:13852365.0/51

Out: 200.628+/-0.026 χ^2/NDF:16292960.8/58

All: 200.175+/-0.018 χ^2/NDF: 30145950.6/1



Right In: -5.678+/-7.028 χ^2/NDF: 25.3/28

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

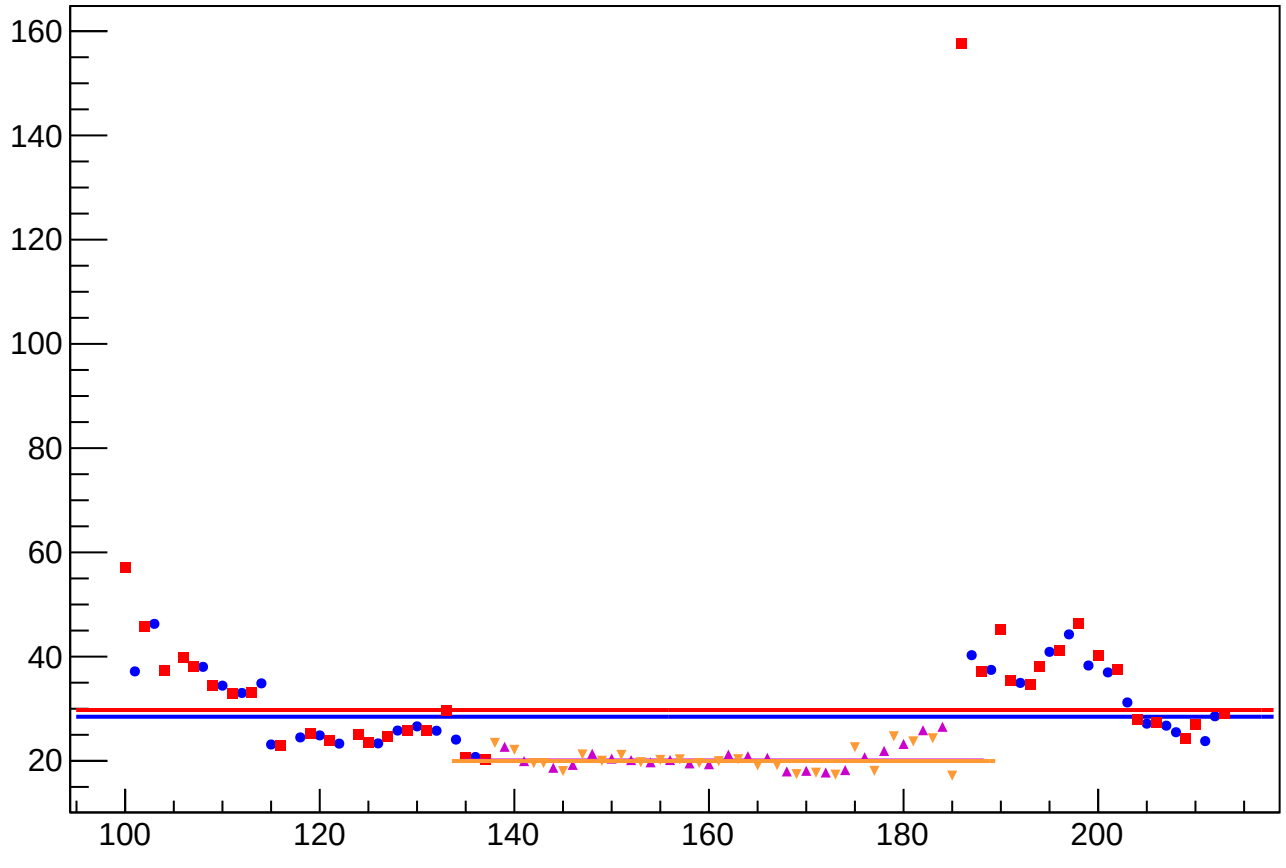
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 3.481+/-4.994 χ^2/NDF: 81.6/62

In: -7.691+/-3.920 χ^2/NDF:44.8/51

Out: 4.409+/-3.845 χ^2/NDF:84.1/58

All: -1.523+/-2.745 χ^2/NDF: 133.8/110



Right In: 28.467+/-0.005 χ^2/NDF: 1611782.5/28

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

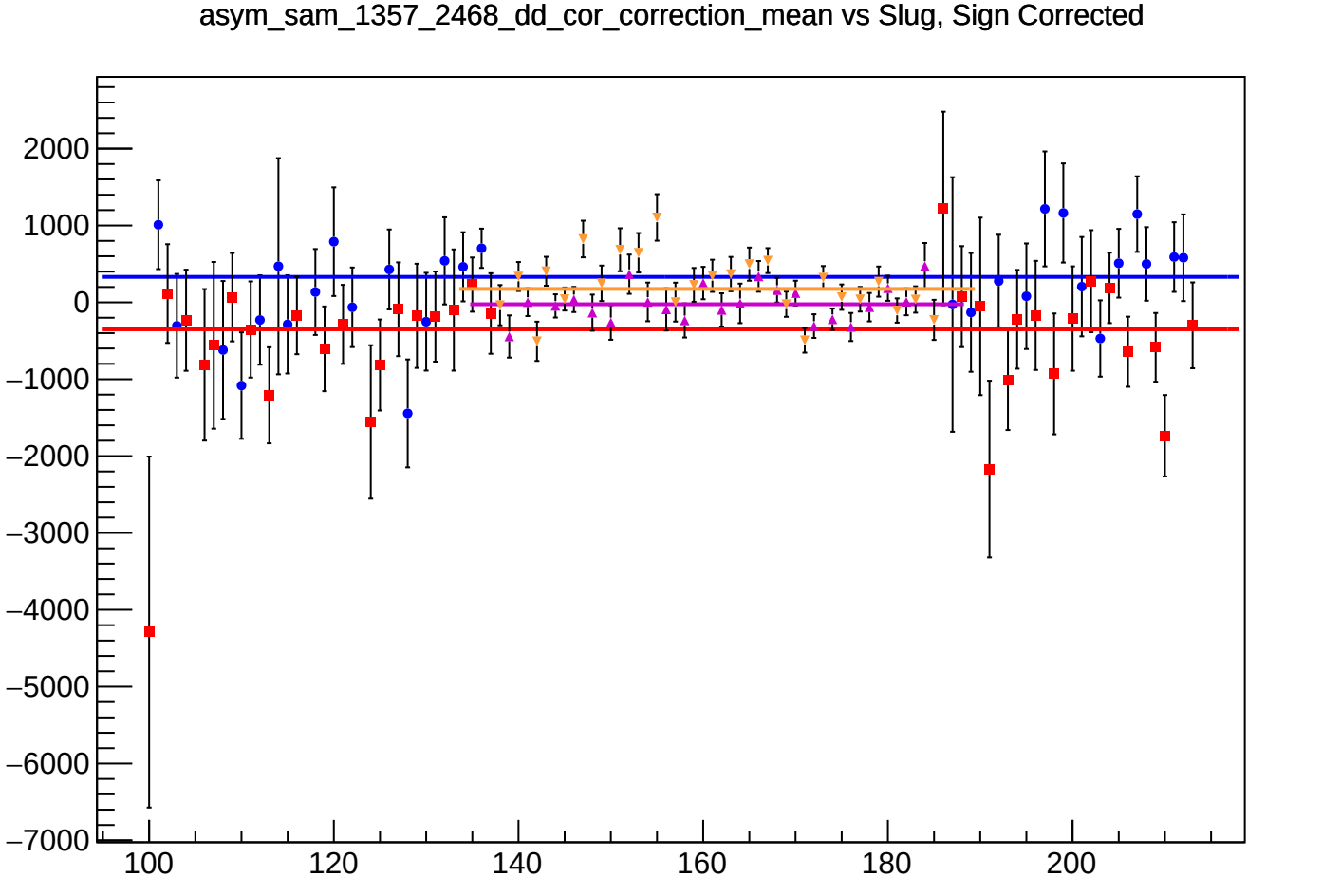
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.105+/-0.004 χ^2/NDF: 3988001.5/62

In: 22.685+/-0.003 χ^2/NDF:3878997.4/51

Out: 22.841+/-0.003 χ^2/NDF:5417049.6/58

All: 22.764+/-0.002 χ^2/NDF: 9297661.7/110



Right In: 331.585+/-103.111 χ^2/NDF: 30.0/28

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

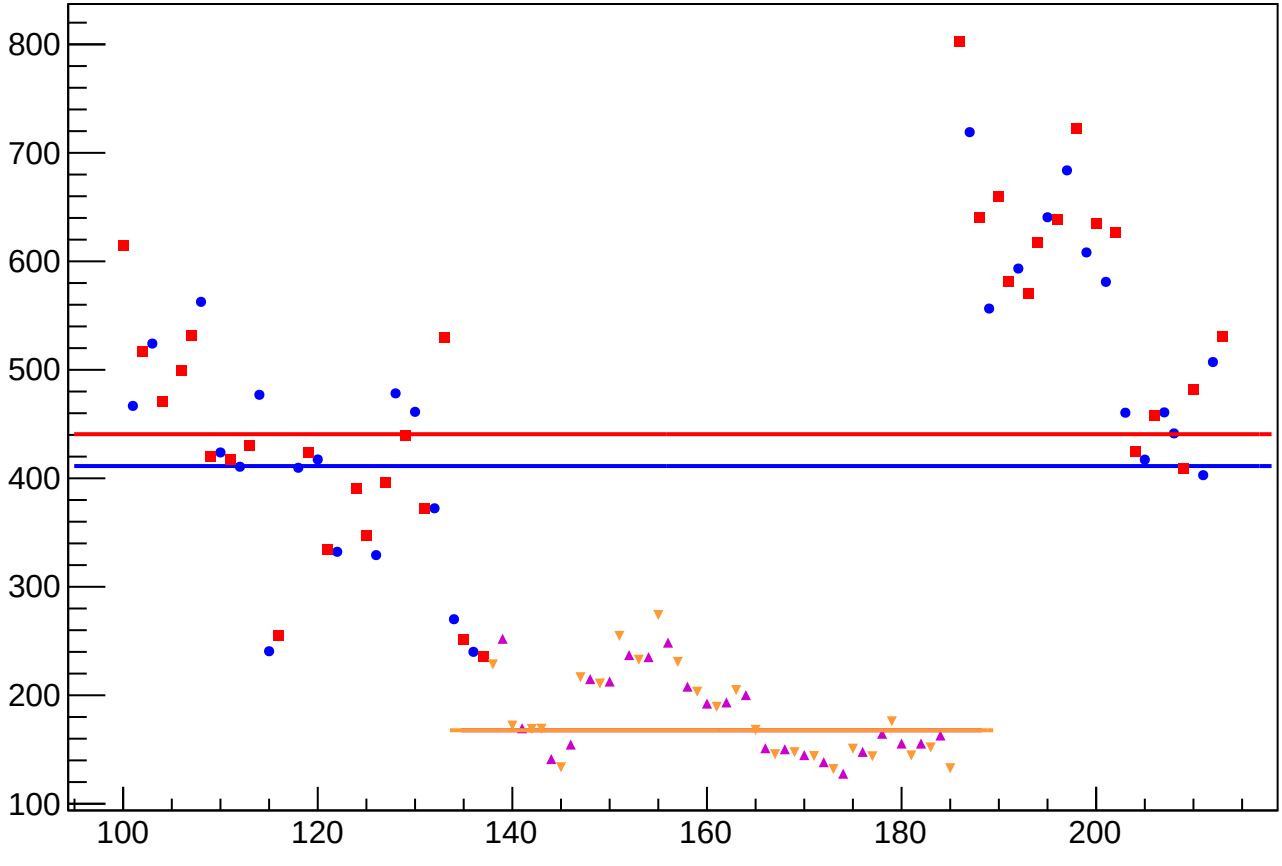
Right: -1.198+/-73.806 χ^2/NDF: 79.4/62

In: 22.143+/-37.349 χ^2/NDF:67.3/51

Out: 111.570+/-36.629 χ^2/NDF:121.0/58

All: 67.727+/-26.152 χ^2/NDF: 191.2/110

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 411.297+/-0.073 χ^2/NDF: 2755074.2/28

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

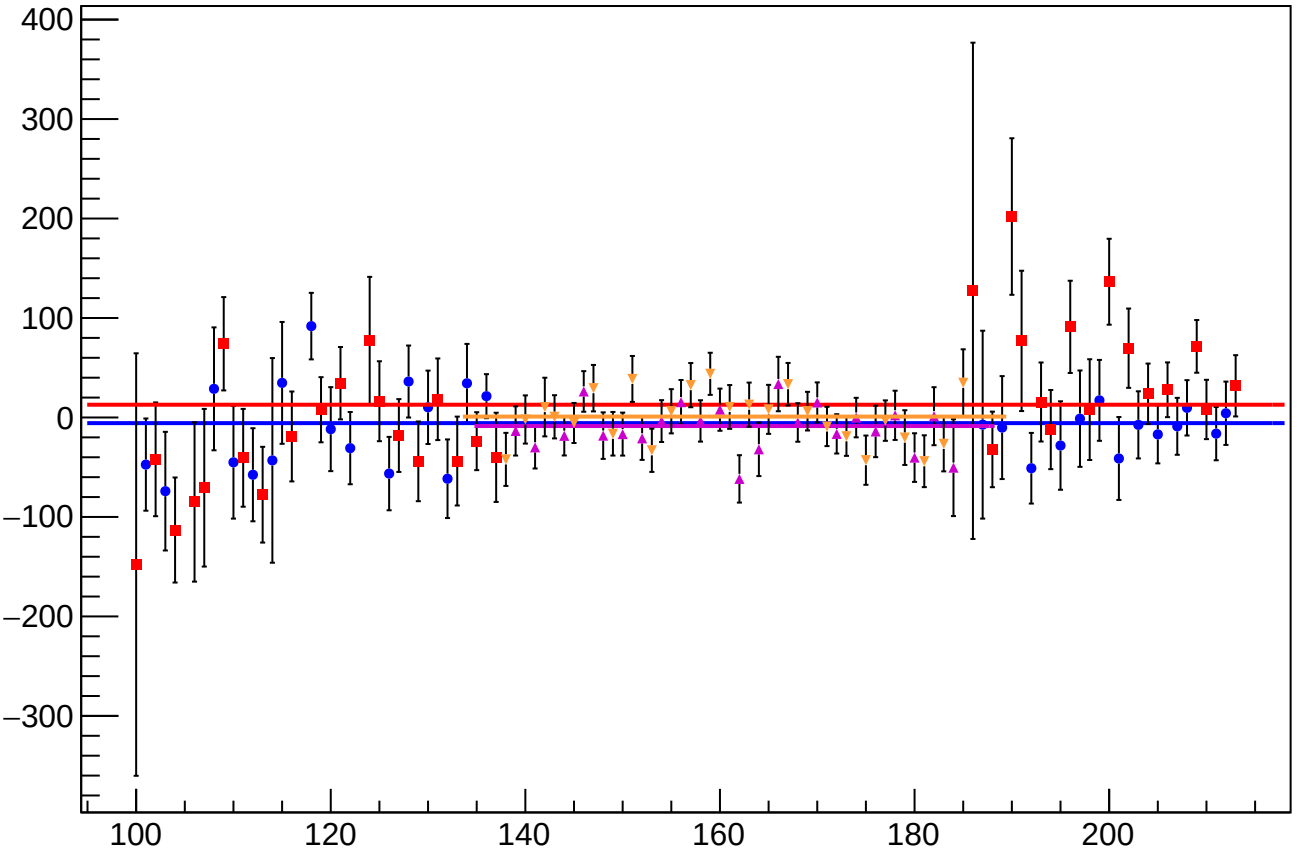
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 425.620+/-0.052 χ^2/NDF: 5758157.7/62

In: 199.703+/-0.026 χ^2/NDF:13852377.6/51

Out: 200.533+/-0.026 χ^2/NDF:16235584.6/58

All: 200.126+/-0.018 χ^2/NDF: 30088465.0/11



Right In: -5.678+/-7.028 χ^2/NDF: 25.3/28

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

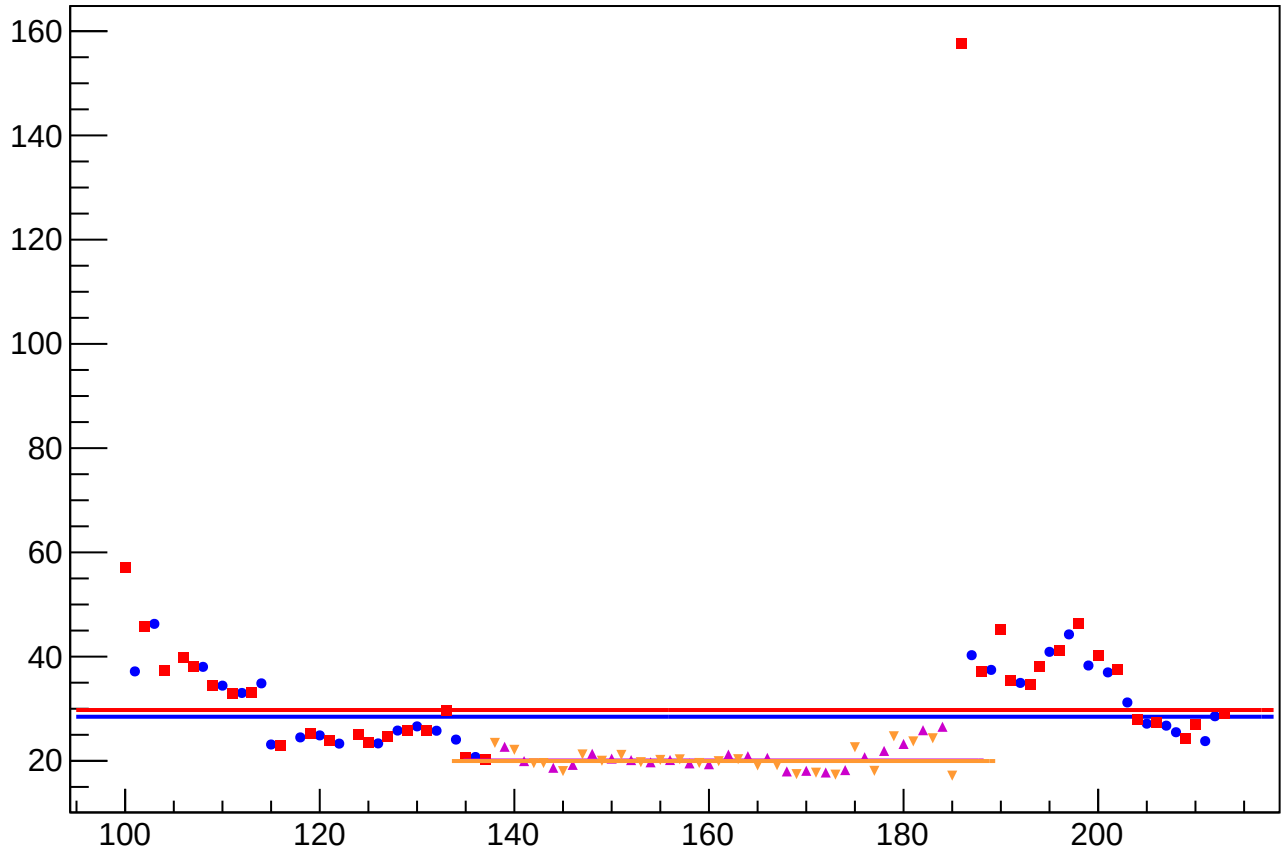
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 3.481+/-4.994 χ^2/NDF: 81.6/62

In: -7.691+/-3.920 χ^2/NDF:44.8/51

Out: 4.409+/-3.845 χ^2/NDF:84.1/58

All: -1.523+/-2.745 χ^2/NDF: 133.8/110



Right In: 28.467+/-0.005 χ^2/NDF: 1611782.5/28

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

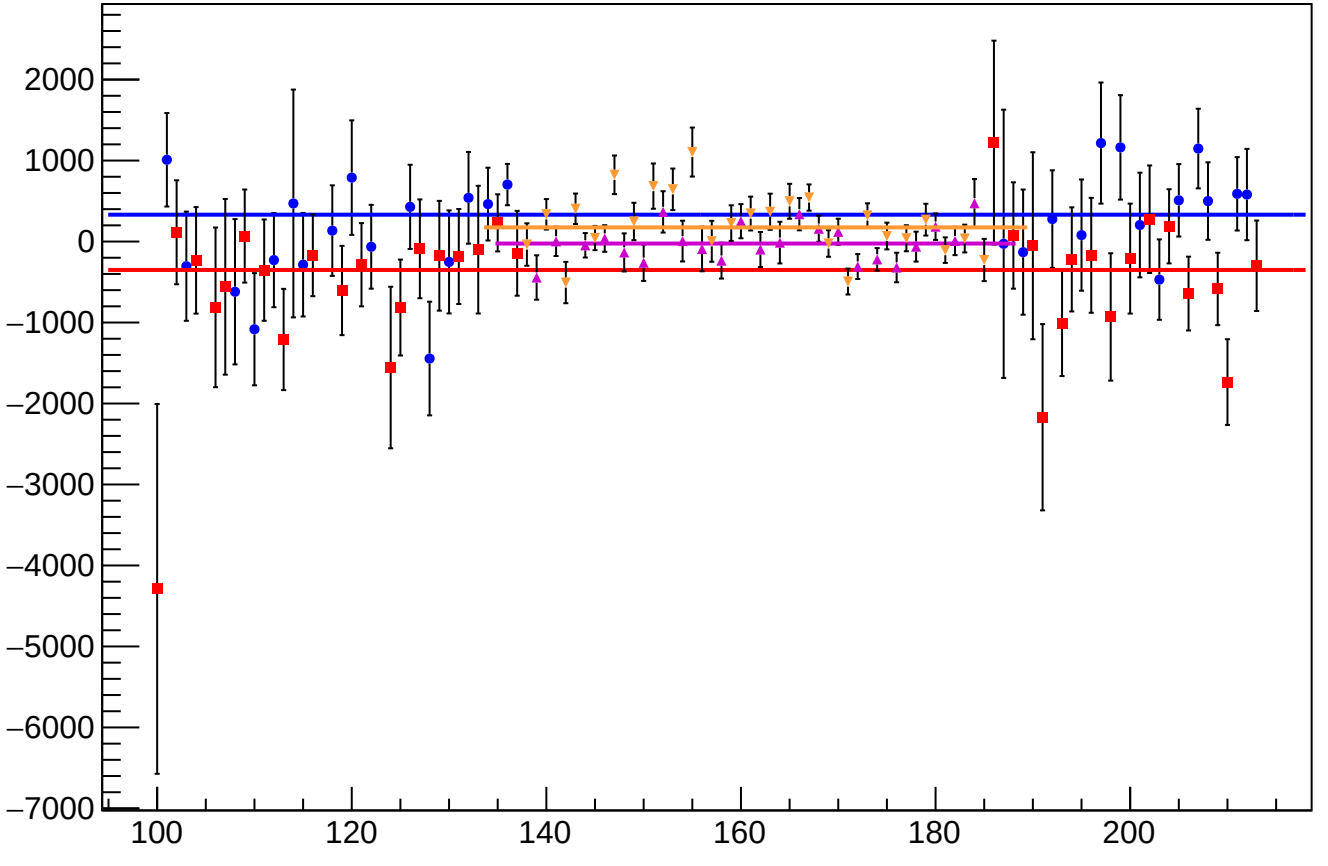
Right: 29.105+/-0.004 χ^2/NDF: 3988001.5/62

In: 22.685+/-0.003 χ^2/NDF:3878997.4/51

Out: 22.841+/-0.003 χ^2/NDF:5417049.6/58

All: 22.764+/-0.002 χ^2/NDF: 9297661.7/110

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 331.585+/-103.111 χ^2/NDF: 30.0/28

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

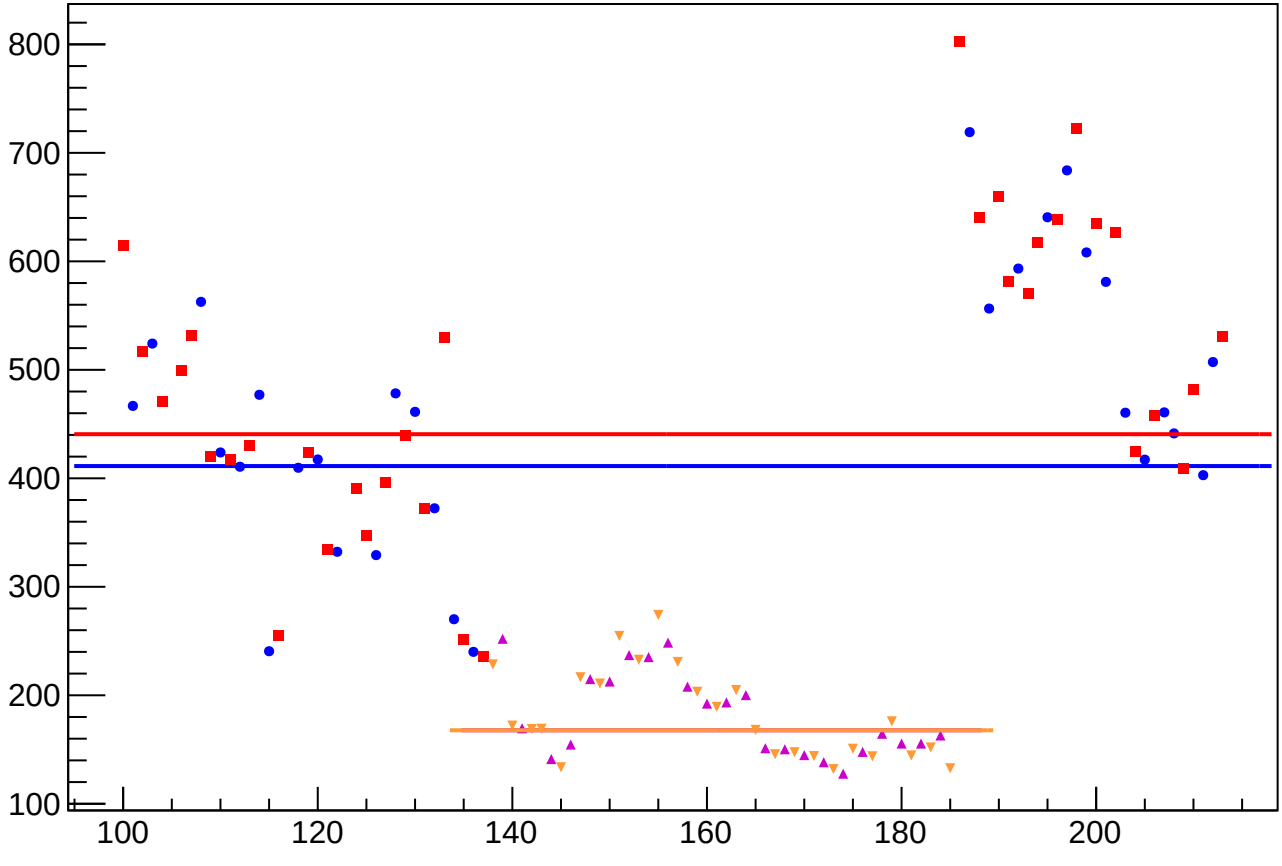
Right: -1.198+/-73.806 χ^2/NDF: 79.4/62

In: 22.143+/-37.349 χ^2/NDF:67.3/51

Out: 111.570+/-36.629 χ^2/NDF:121.0/58

All: 67.727+/-26.152 χ^2/NDF: 191.2/110

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 411.297+/-0.073 χ^2/NDF: 2755074.2/28

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

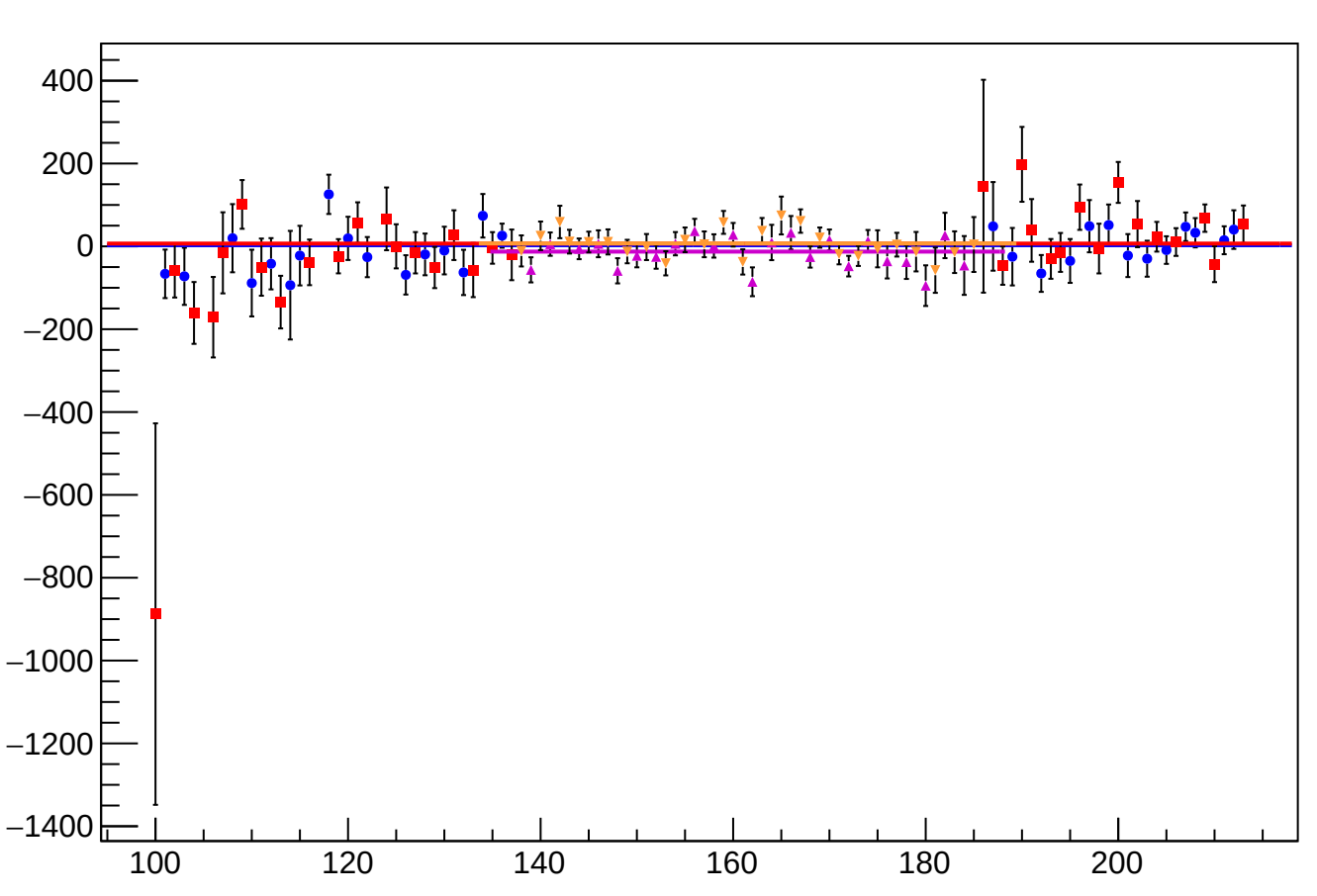
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 425.620+/-0.052 χ^2/NDF: 5758157.7/62

In: 199.703+/-0.026 χ^2/NDF:13852377.6/51

Out: 200.533+/-0.026 χ^2/NDF:16235584.6/58

All: 200.126+/-0.018 χ^2/NDF: 30088465.0/11



Right In: 2.699+/-9.065 χ^2/NDF: 27.5/28

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

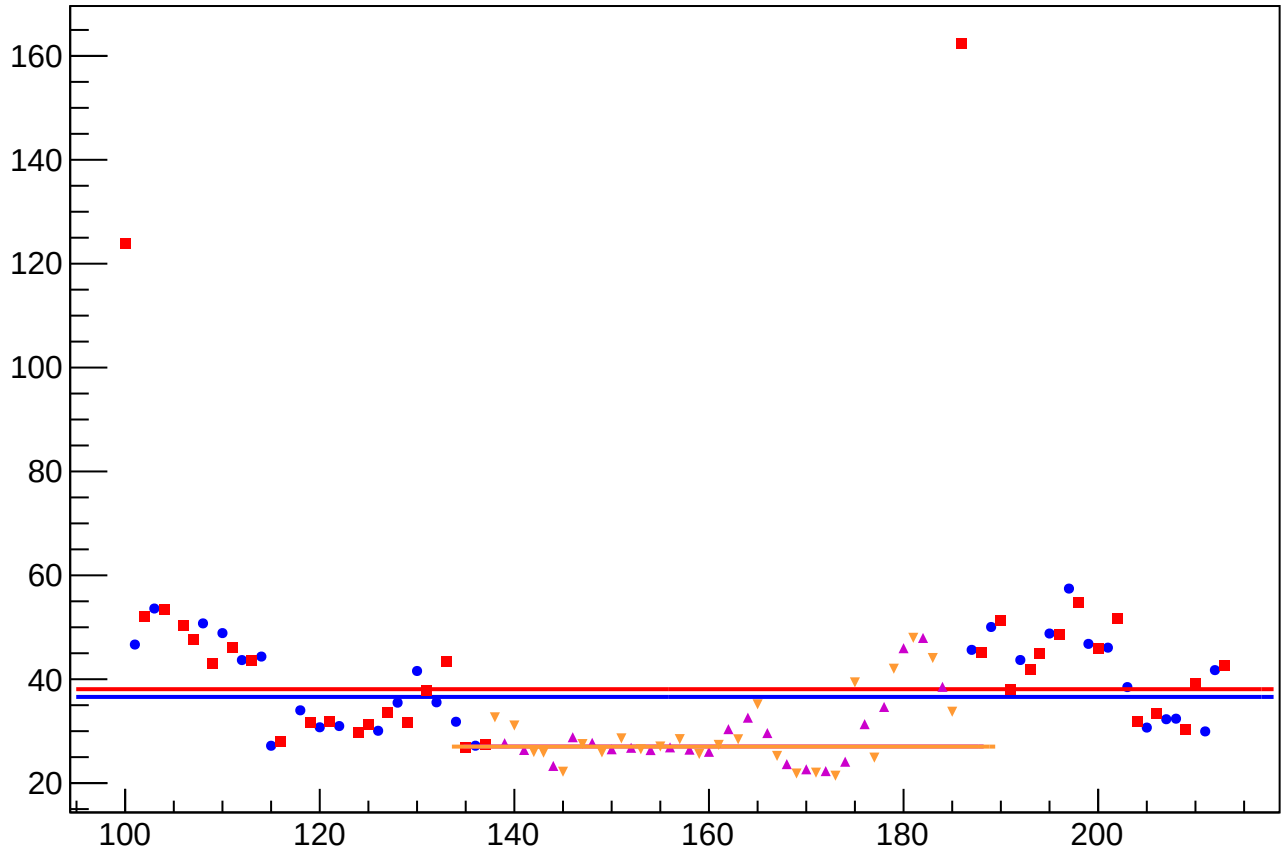
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 4.722+/-6.417 χ^2/NDF: 80.2/62

In: -7.455+/-5.290 χ^2/NDF:55.0/51

Out: 6.973+/-5.195 χ^2/NDF:75.3/58

All: -0.111+/-3.706 χ^2/NDF: 134.1/110



Right In: 36.592+/-0.006 χ^2/NDF: 1536404.2/28

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

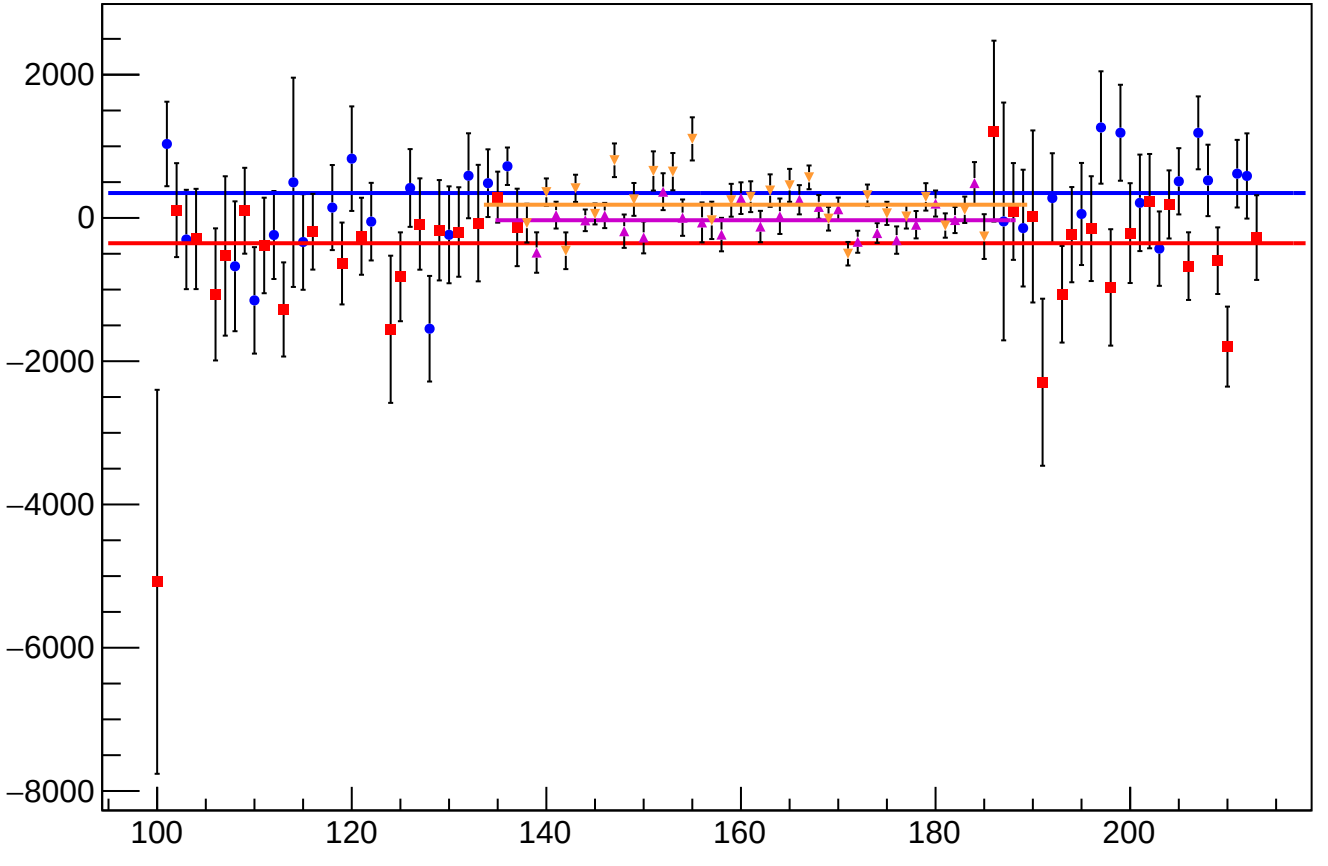
Right: 37.336+/-0.005 χ^2/NDF: 3660230.6/62

In: 30.300+/-0.004 χ^2/NDF:4041536.0/51

Out: 30.643+/-0.004 χ^2/NDF:5521425.2/58

All: 30.475+/-0.003 χ^2/NDF: 9567233.7/110

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 347.787+/-107.301 χ^2/NDF: 29.6/28

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

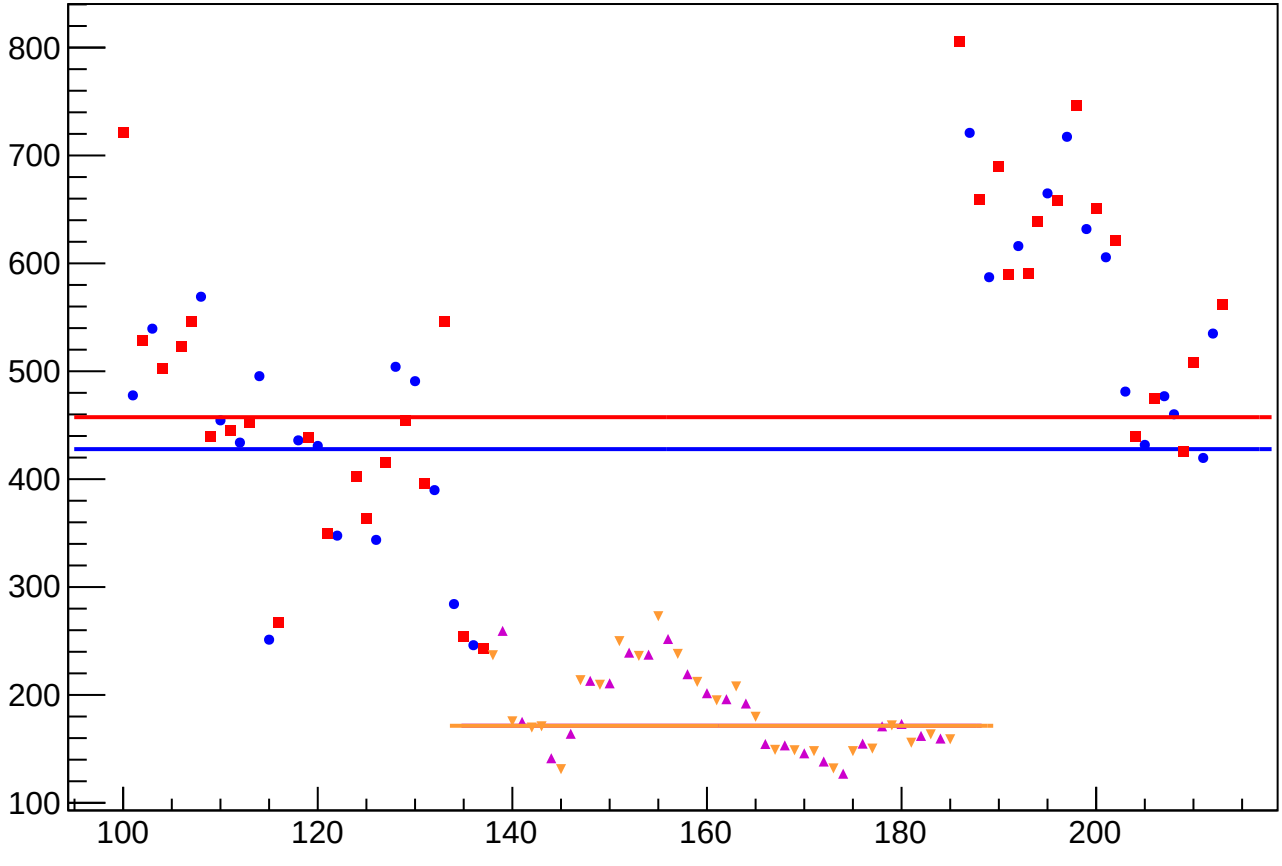
Right: 4.456+/-76.634 χ^2/NDF: 79.6/62

In: 16.429+/-38.279 χ^2/NDF:66.9/51

Out: 121.827+/-37.432 χ^2/NDF:118.1/58

All: 70.307+/-26.763 χ^2/NDF: 188.9/110

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 427.834+/-0.076 χ^2/NDF: 2802804.6/28

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

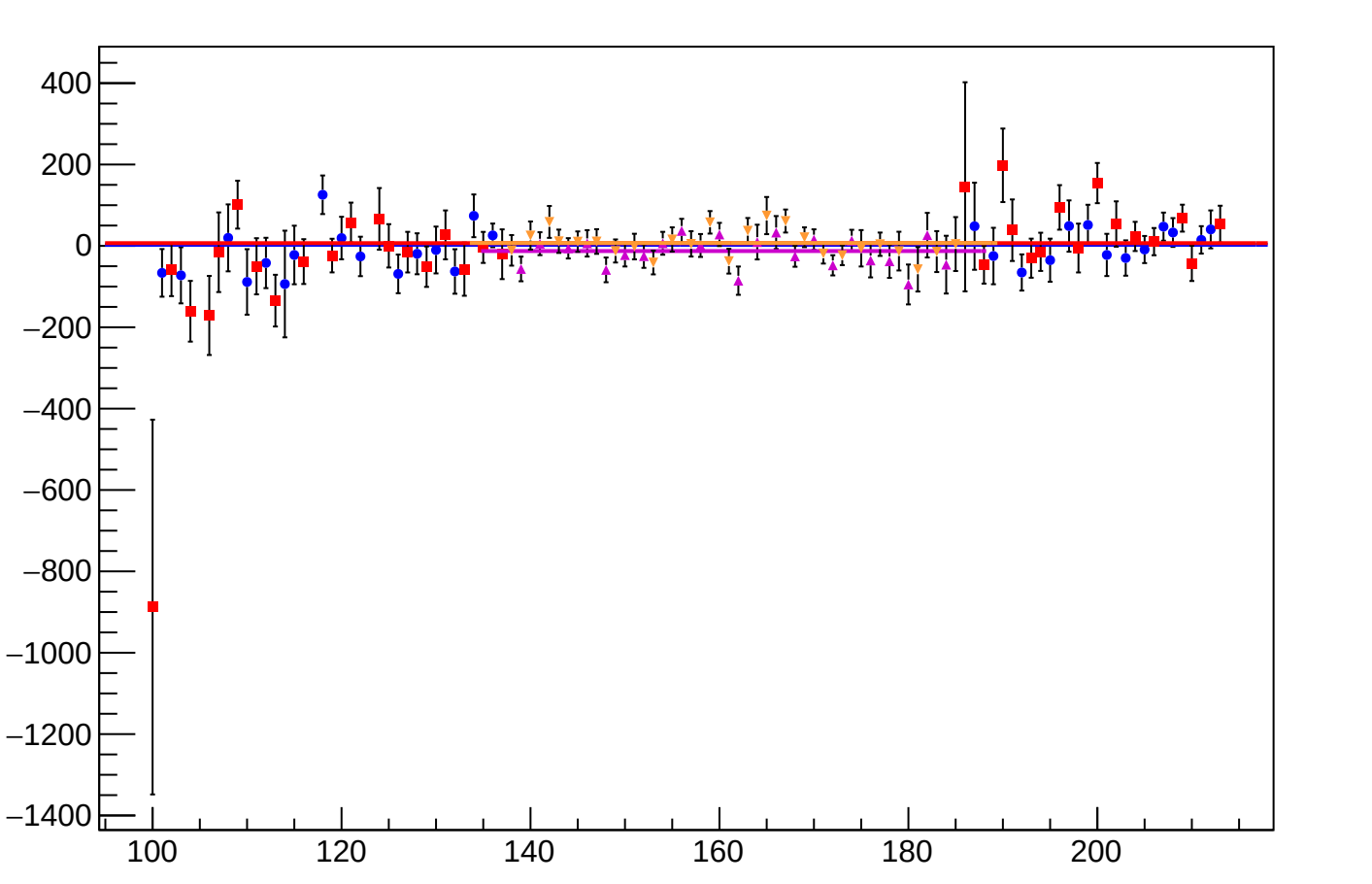
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 442.342+/-0.054 χ^2/NDF: 5796727.6/62

In: 204.114+/-0.027 χ^2/NDF:14180742.3/51

Out: 204.859+/-0.026 χ^2/NDF:16500077.3/58

All: 204.495+/-0.019 χ^2/NDF: 30681207.1/11



Right In: 2.698+/-9.065 χ^2/NDF: 27.5/28

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

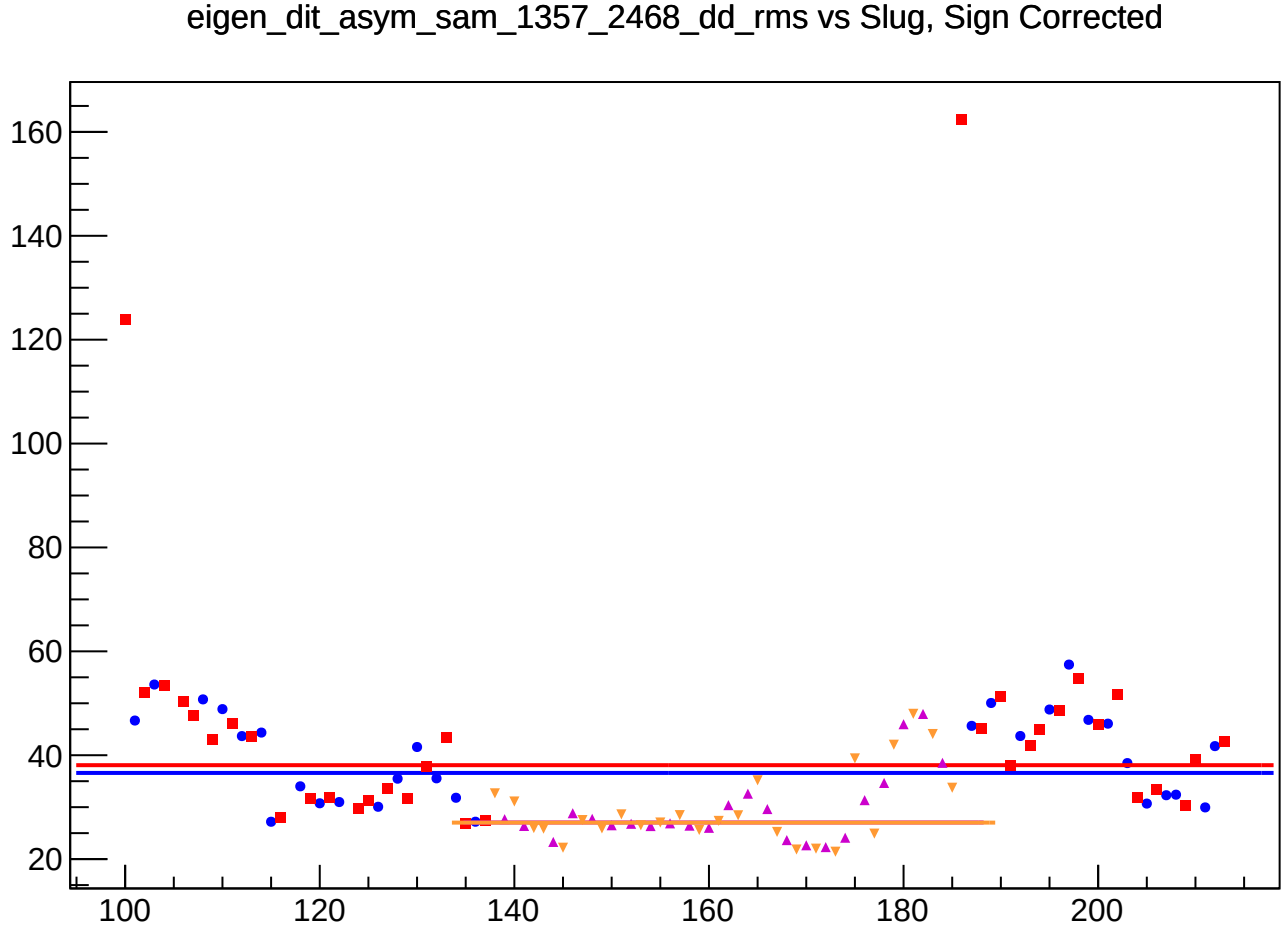
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 4.722+/-6.417 χ^2/NDF: 80.2/62

In: -7.455+/-5.290 χ^2/NDF:55.0/51

Out: 6.973+/-5.195 χ^2/NDF:75.3/58

All: -0.111+/-3.706 χ^2/NDF: 134.1/110



Right In: 36.592+/-0.006 χ^2/NDF: 1536382.3/28

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

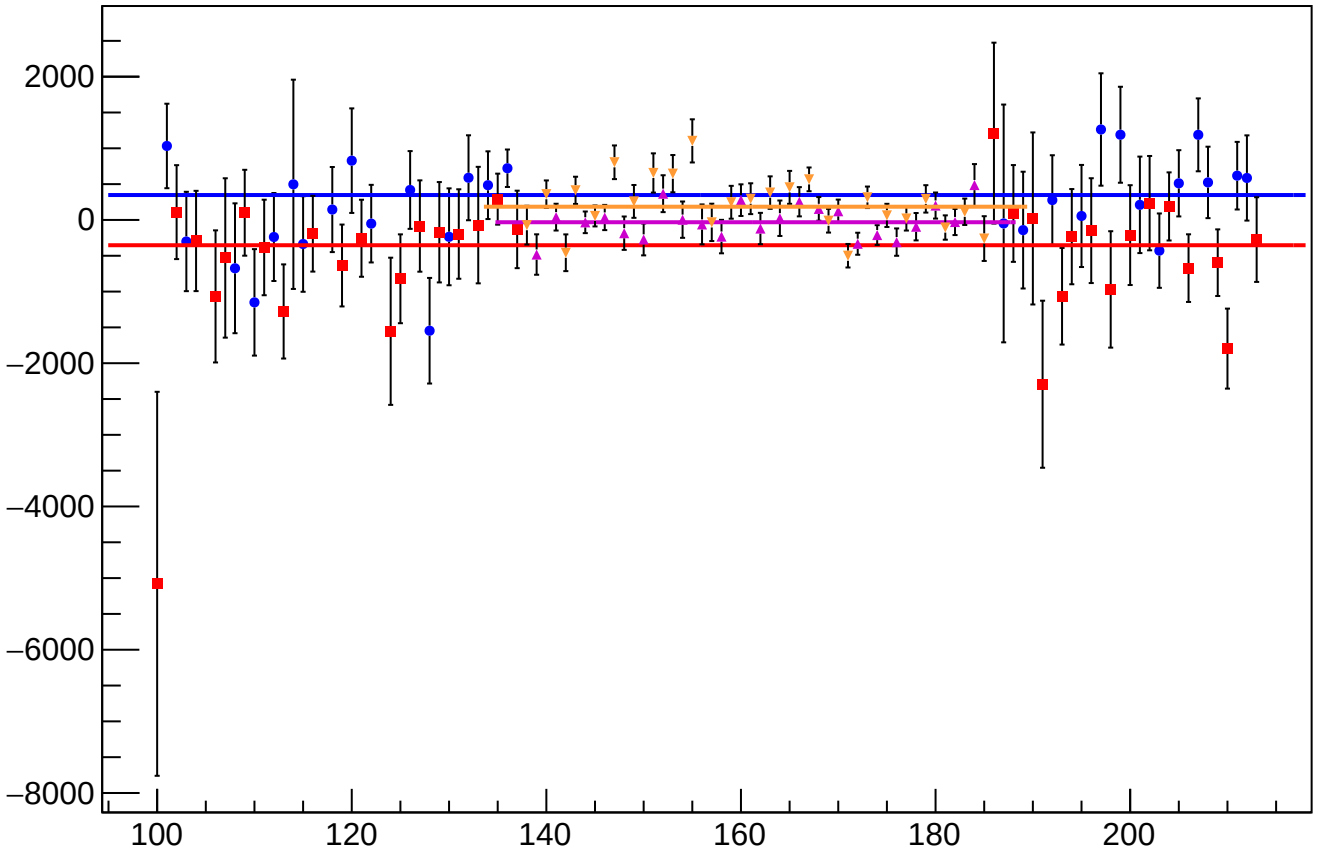
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 37.336+/-0.005 χ^2/NDF: 3660189.3/62

In: 30.300+/-0.004 χ^2/NDF:4041419.5/51

Out: 30.643+/-0.004 χ^2/NDF:5521345.1/58

All: 30.475+/-0.003 χ^2/NDF: 9567038.4/110



Right In: 347.784+/-107.300 χ^2/NDF: 29.6/28

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

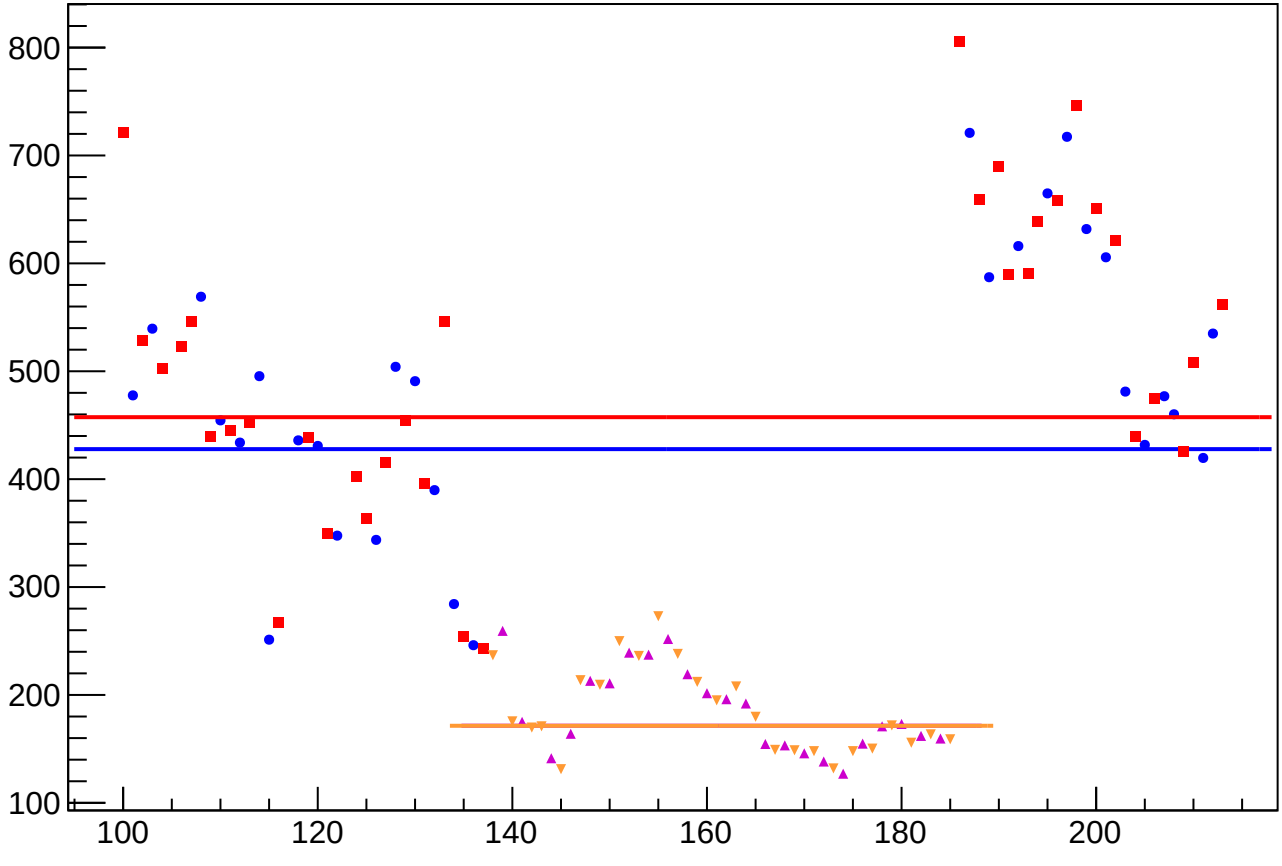
Right: 4.455+/-76.633 χ^2/NDF: 79.6/62

In: 16.429+/-38.279 χ^2/NDF:66.9/51

Out: 121.827+/-37.432 χ^2/NDF:118.1/58

All: 70.307+/-26.763 χ^2/NDF: 188.9/110

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 427.833+/-0.076 χ^2/NDF: 2802813.2/28

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

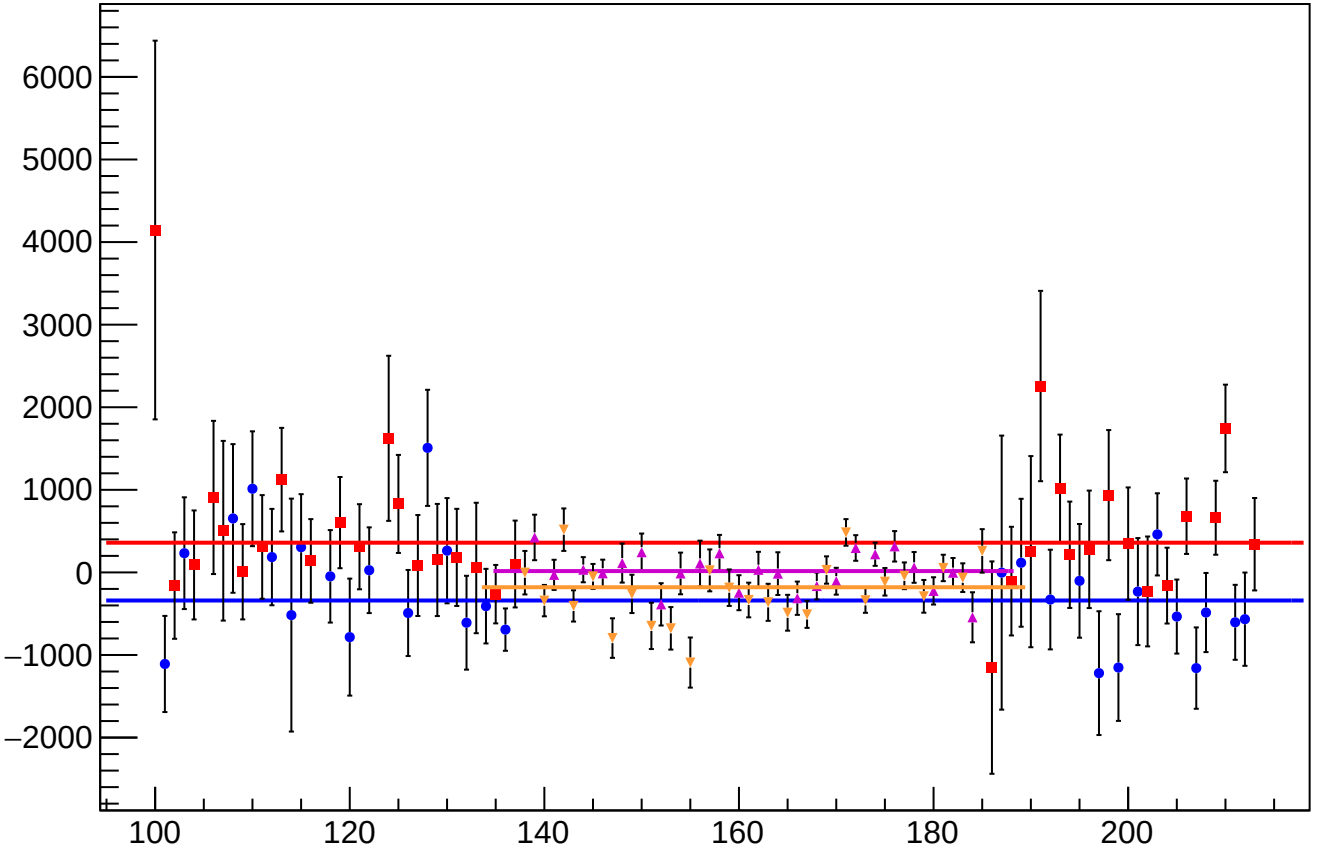
Right: 442.341+/-0.054 χ^2/NDF: 5796748.2/62

In: 204.113+/-0.027 χ^2/NDF:14180793.3/51

Out: 204.858+/-0.026 χ^2/NDF:16500133.6/58

All: 204.494+/-0.019 χ^2/NDF: 30681314.6/11

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -340.105+/-103.411 χ^2/NDF: 30.1/28

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

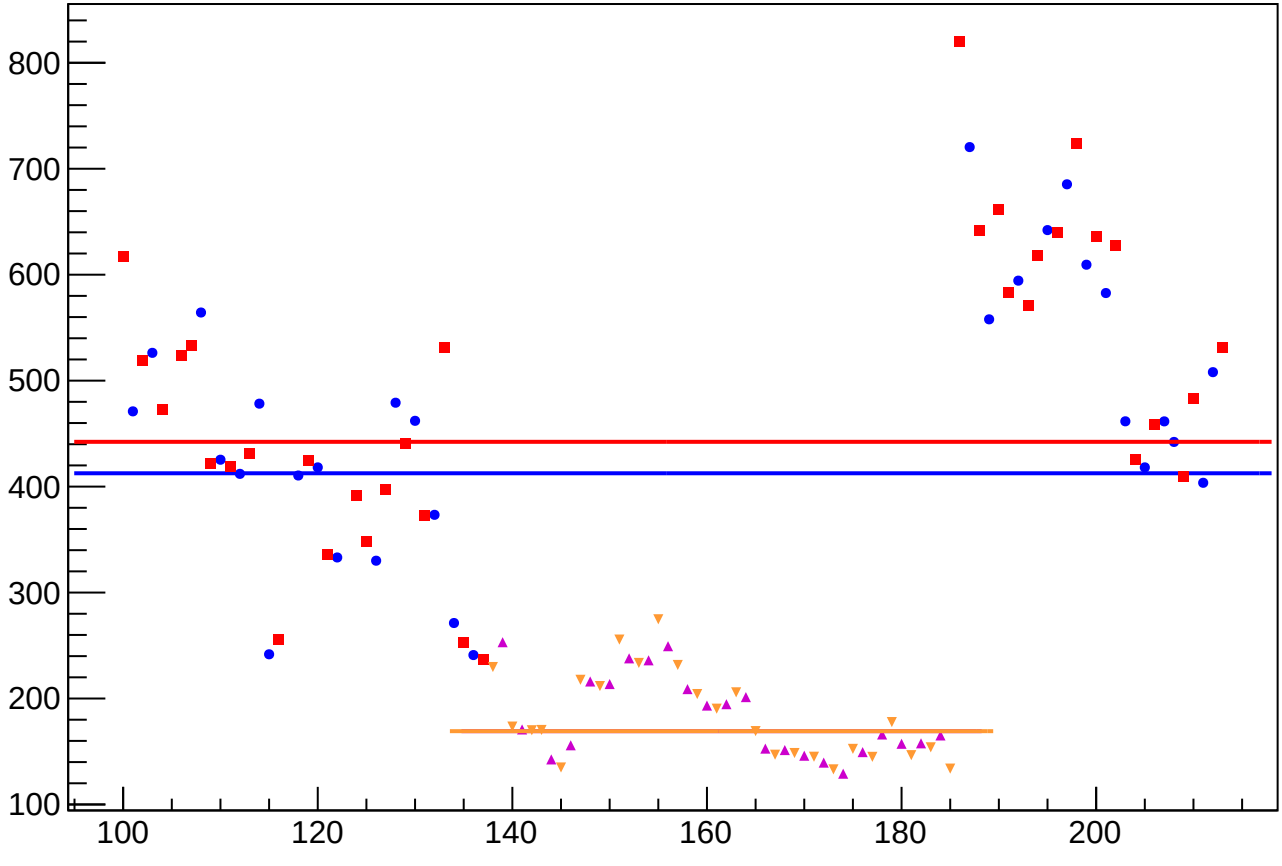
Right: 1.550+/-73.985 χ^2/NDF: 80.8/62

In: -31.097+/-37.627 χ^2/NDF:67.0/51

Out: -114.163+/-36.897 χ^2/NDF:118.2/58

All: -73.444+/-26.344 χ^2/NDF: 187.7/110

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 412.582+/-0.073 χ^2/NDF: 2744862.4/28

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

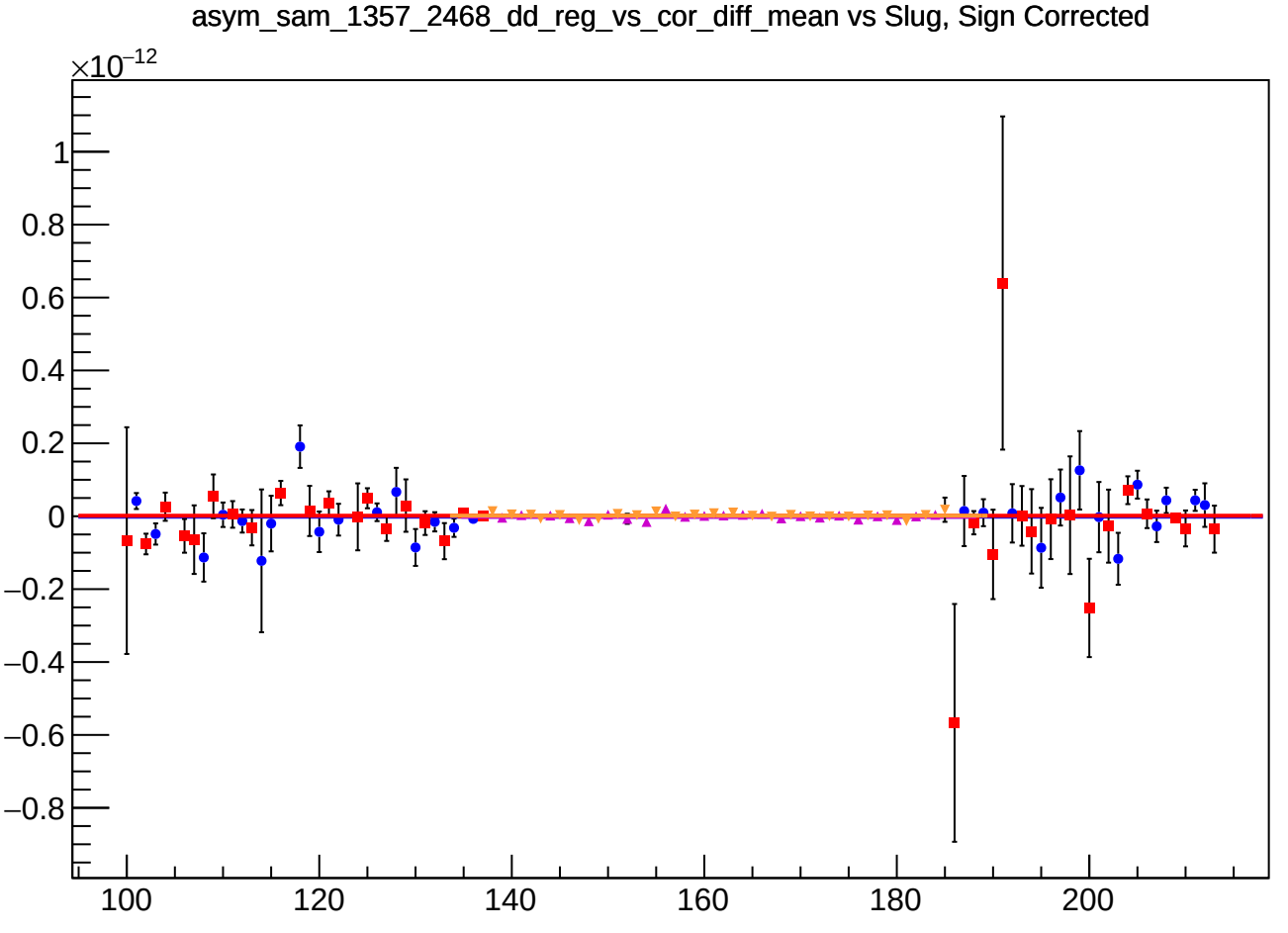
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 427.072+/-0.052 χ^2/NDF: 5756163.7/62

In: 201.411+/-0.027 χ^2/NDF:13731889.3/51

Out: 202.335+/-0.026 χ^2/NDF:16164485.5/58

All: 201.882+/-0.019 χ^2/NDF: 29896989.2/11



Right In: -0.000+/-0.000 χ^2/NDF: 43.2/28

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

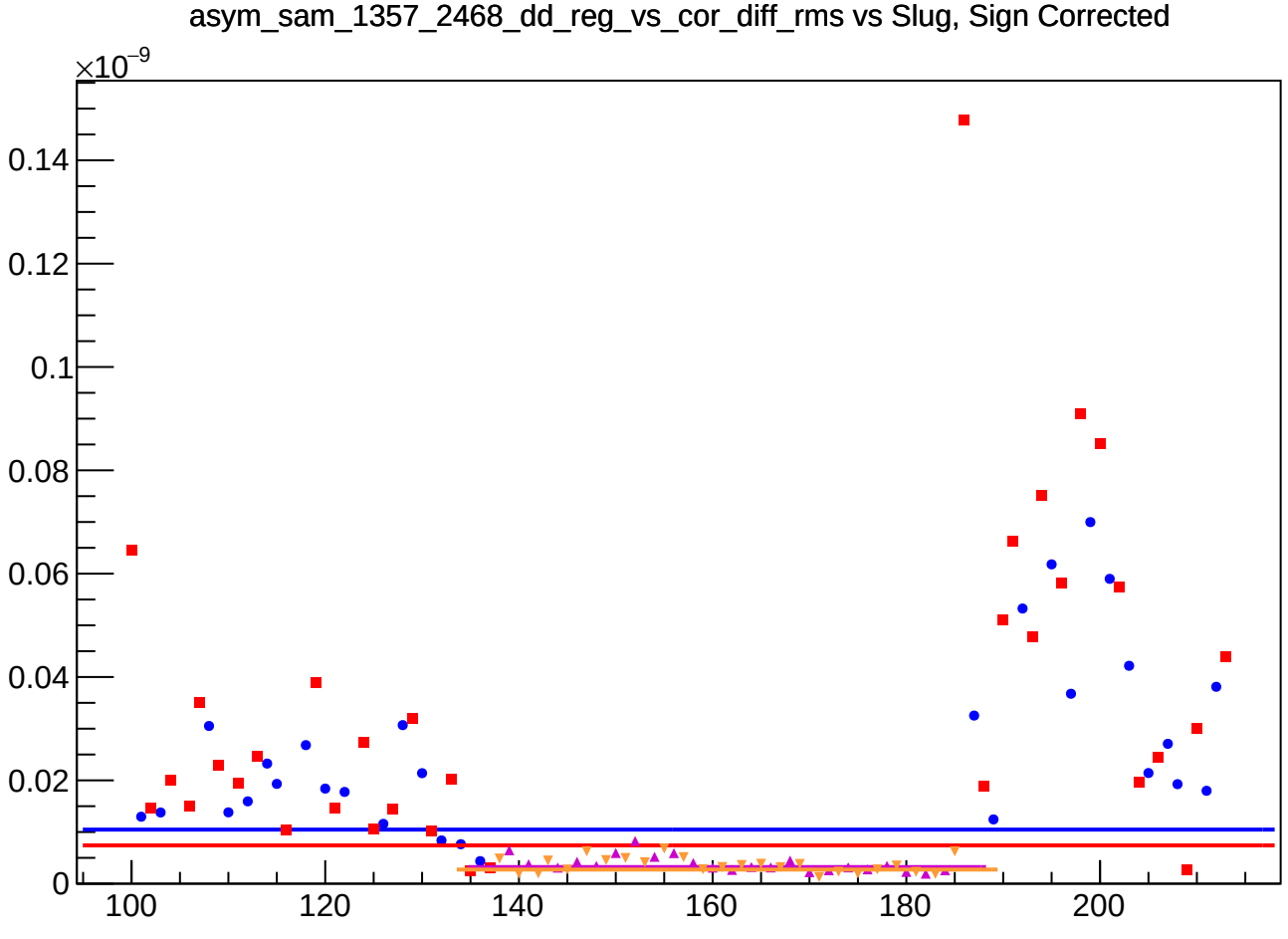
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: 0.000+/-0.000 χ^2/NDF: 81.1/62

In: -0.000+/-0.000 χ^2/NDF:62.9/51

Out: 0.000+/-0.000 χ^2/NDF:56.5/58

All: 0.000+/-0.000 χ^2/NDF: 122.3/110



Right In: 0.000+/-0.000 χ^2/NDF: 6349891.4/28

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

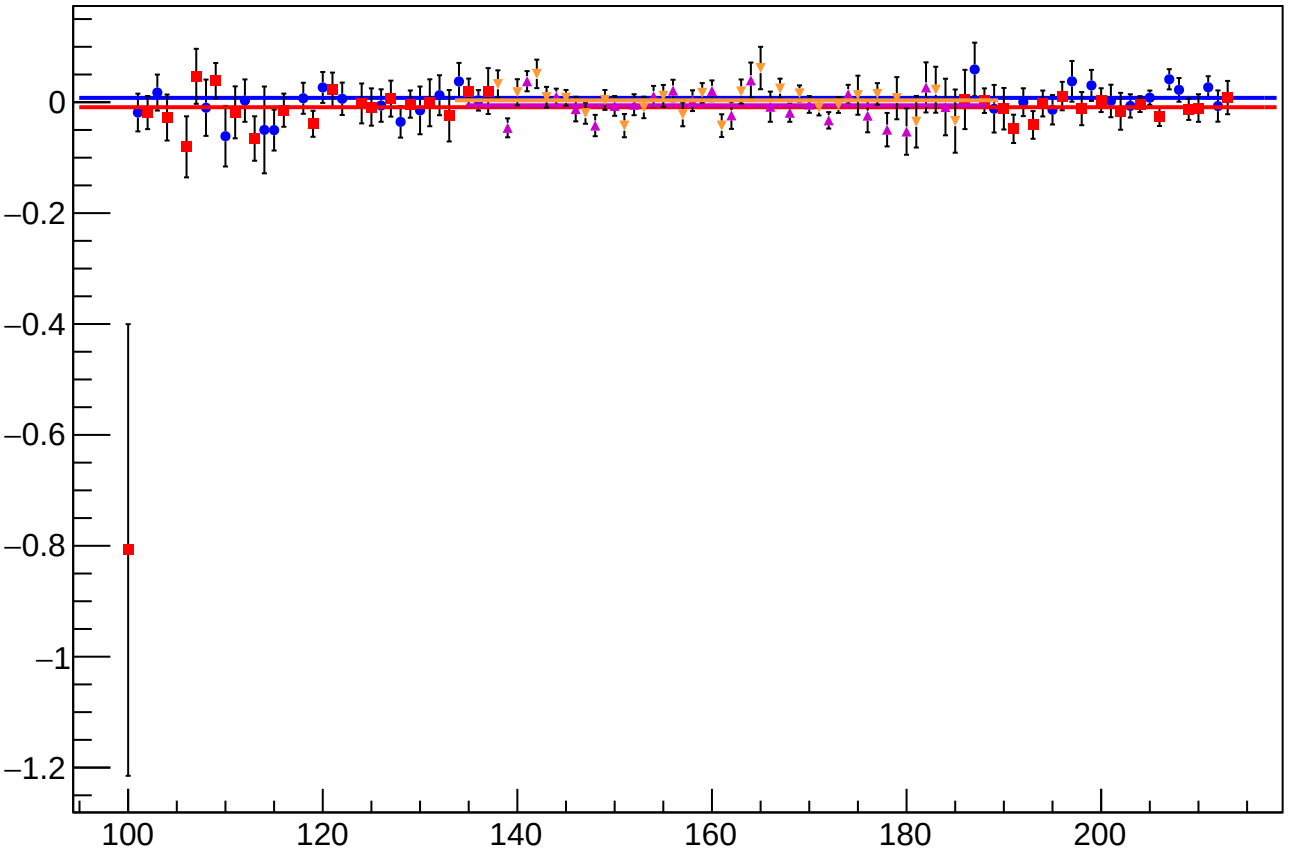
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16566879.8/62

In: 0.000+/-0.000 χ^2/NDF:11266362.9/51

Out: 0.000+/-0.000 χ^2/NDF:13737687.1/58

All: 0.000+/-0.000 χ^2/NDF: 25277763.0/110



Right In: 0.008+/-0.005 χ^2/NDF: 18.5/28

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

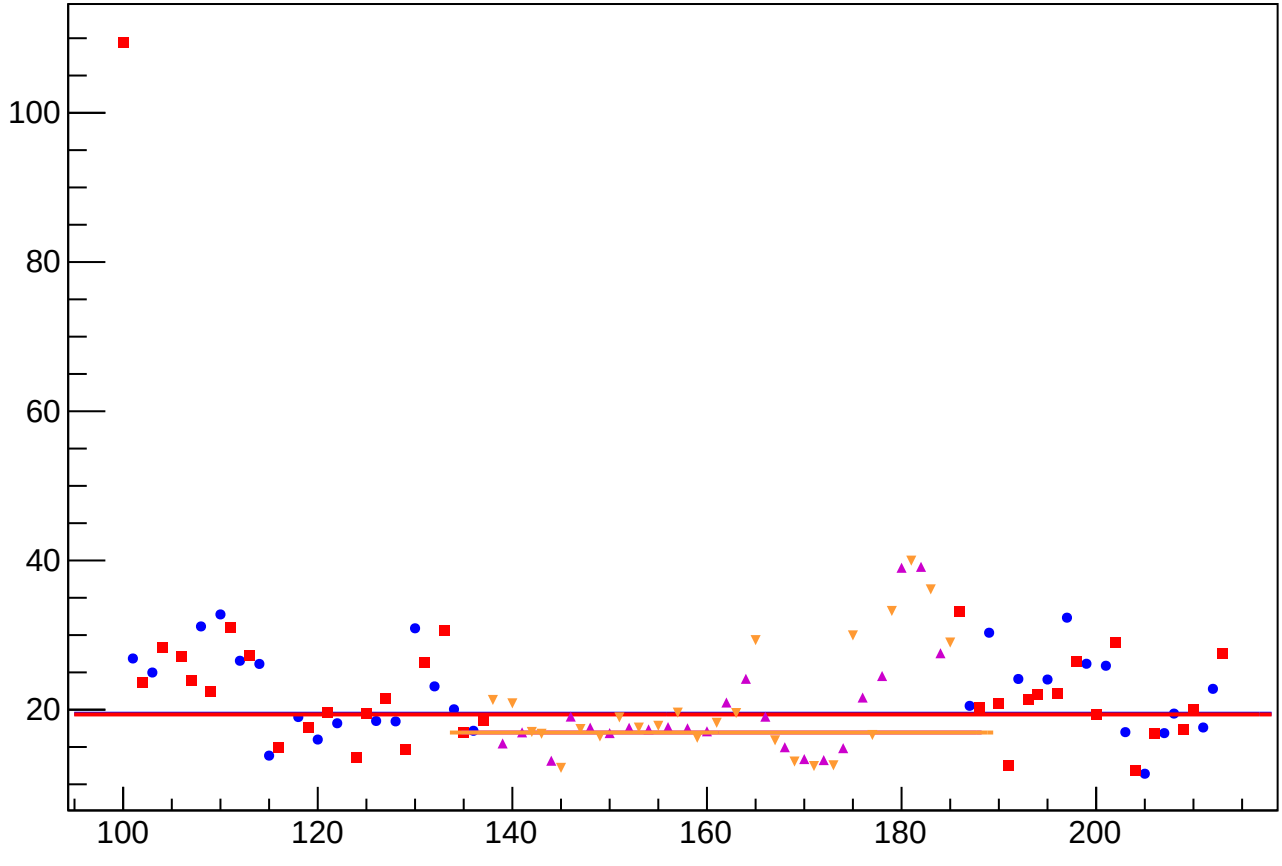
Right: -0.001+/-0.003 χ^2/NDF: 47.7/62

In: 0.000+/-0.003 χ^2/NDF:55.9/51

Out: -0.002+/-0.003 χ^2/NDF:54.1/58

All: -0.001+/-0.002 χ^2/NDF: 110.2/110

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.460+/-0.004 χ^2/NDF: 2346733.3/28

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

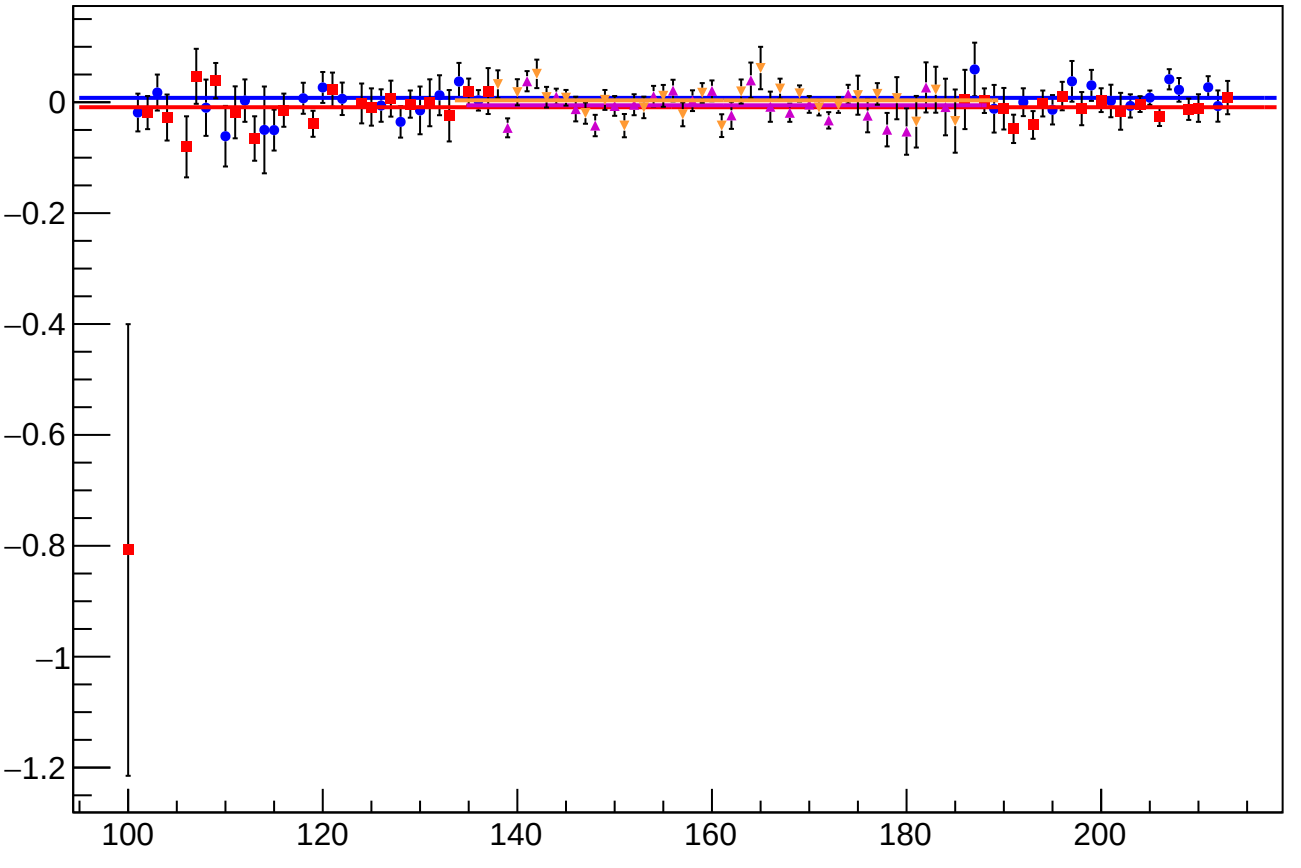
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.409+/-0.002 χ^2/NDF: 4633822.5/62

In: 17.979+/-0.002 χ^2/NDF:4585459.2/51

Out: 17.962+/-0.002 χ^2/NDF:5419896.6/58

All: 17.970+/-0.002 χ^2/NDF: 10005385.0/110



Right In: 0.008+/-0.005 χ^2/NDF: 18.5/28

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

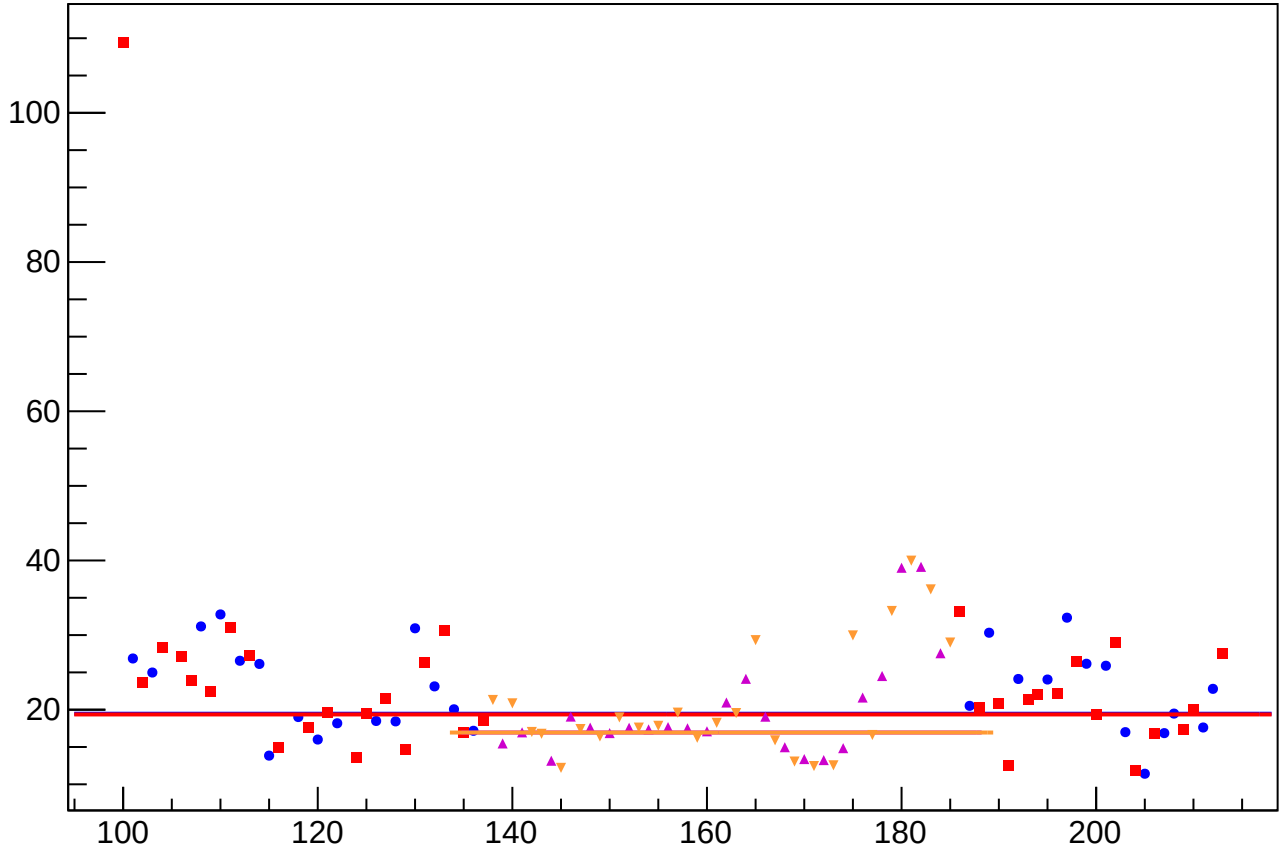
Right: -0.001+/-0.003 χ^2/NDF: 47.7/62

In: 0.000+/-0.003 χ^2/NDF:55.9/51

Out: -0.002+/-0.003 χ^2/NDF:54.1/58

All: -0.001+/-0.002 χ^2/NDF: 110.2/110

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.460+/-0.004 χ^2/NDF: 2346733.3/28

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

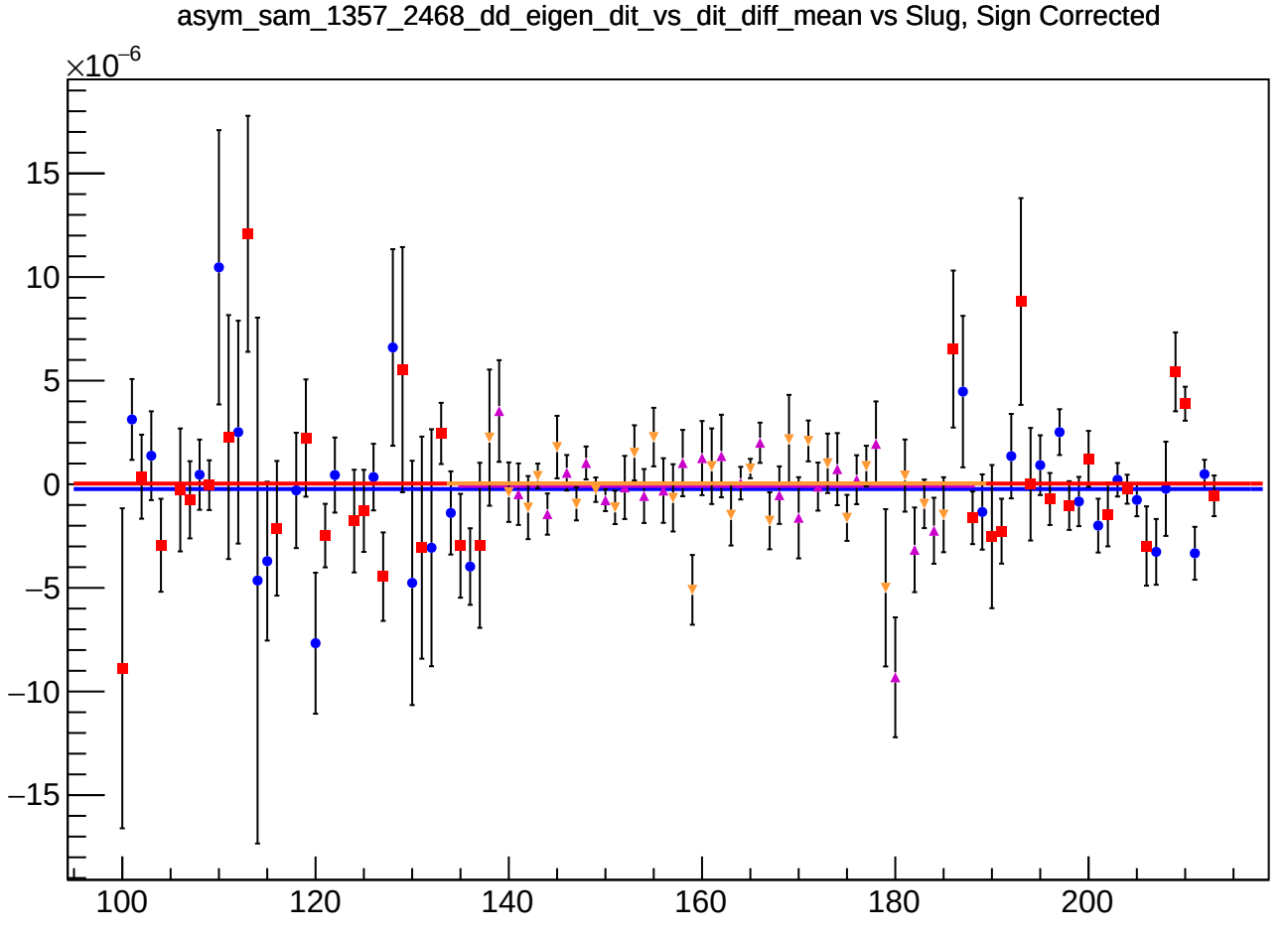
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.409+/-0.002 χ^2/NDF: 4633822.5/62

In: 17.979+/-0.002 χ^2/NDF:4585459.2/51

Out: 17.962+/-0.002 χ^2/NDF:5419896.6/58

All: 17.970+/-0.002 χ^2/NDF: 10005385.0/110



Right In: -0.000+/-0.000 χ^2/NDF: 42.8/28

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 69.4/33

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

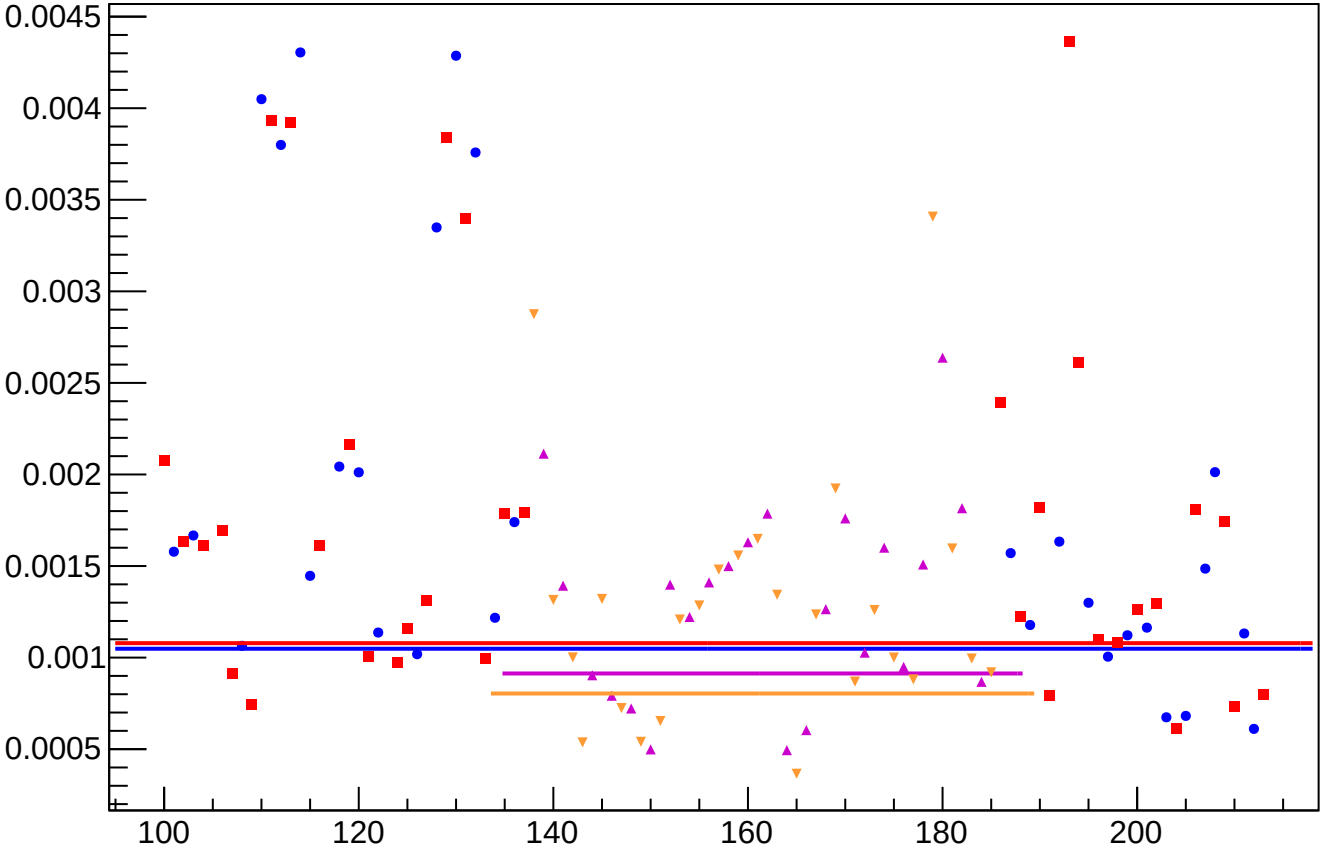
Right: -0.000+/-0.000 χ^2/NDF: 112.7/62

In: -0.000+/-0.000 χ^2/NDF:74.0/51

Out: 0.000+/-0.000 χ^2/NDF:106.6/58

All: -0.000+/-0.000 χ^2/NDF: 181.1/110

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6126709.8/28

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

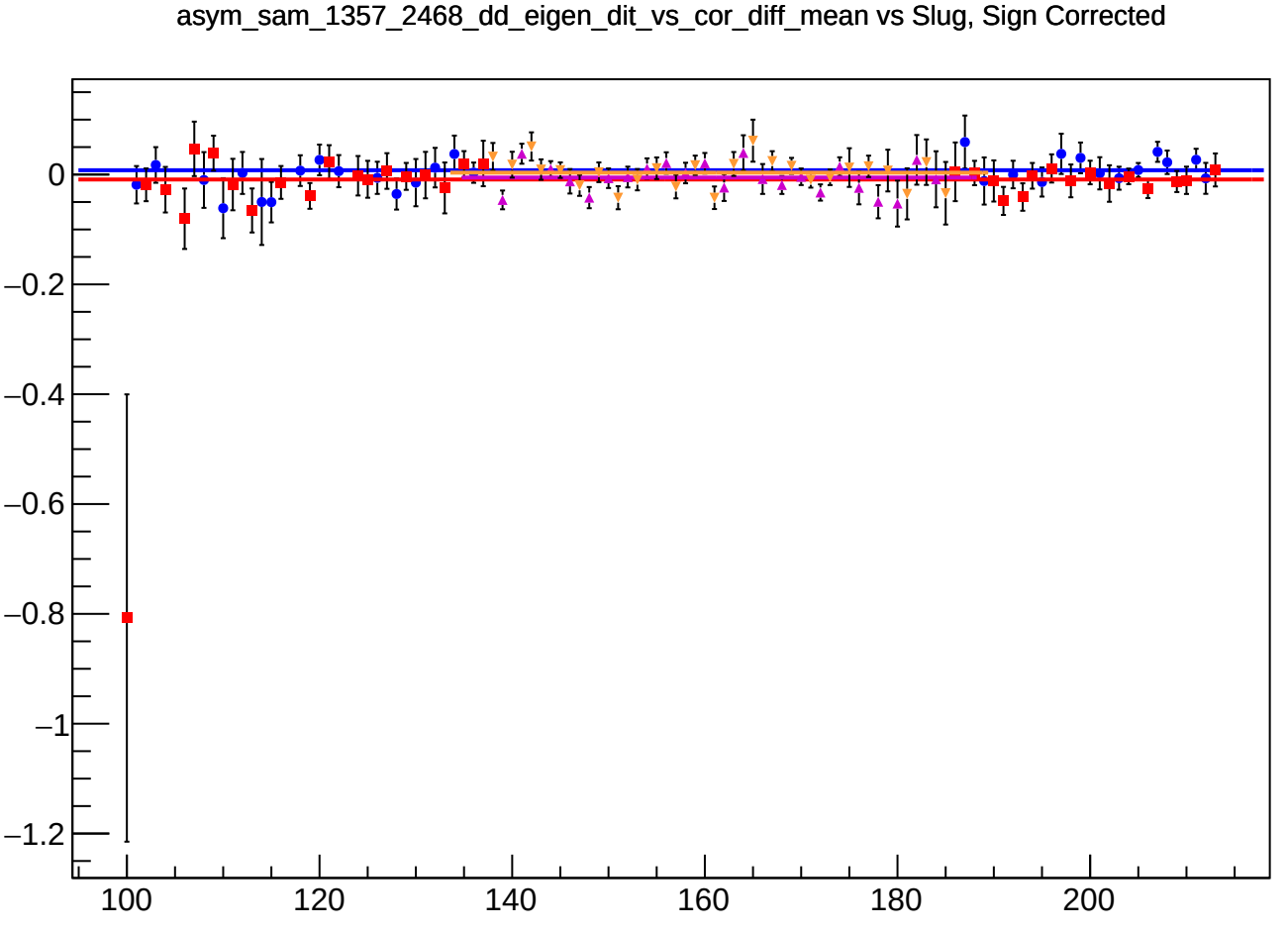
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 13024556.2/62

In: 0.001+/-0.000 χ^2/NDF:12830591.7/51

Out: 0.001+/-0.000 χ^2/NDF:16366886.2/58

All: 0.001+/-0.000 χ^2/NDF: 29350207.1/110



Right In: 0.008+/-0.005 χ^2/NDF: 18.5/28

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

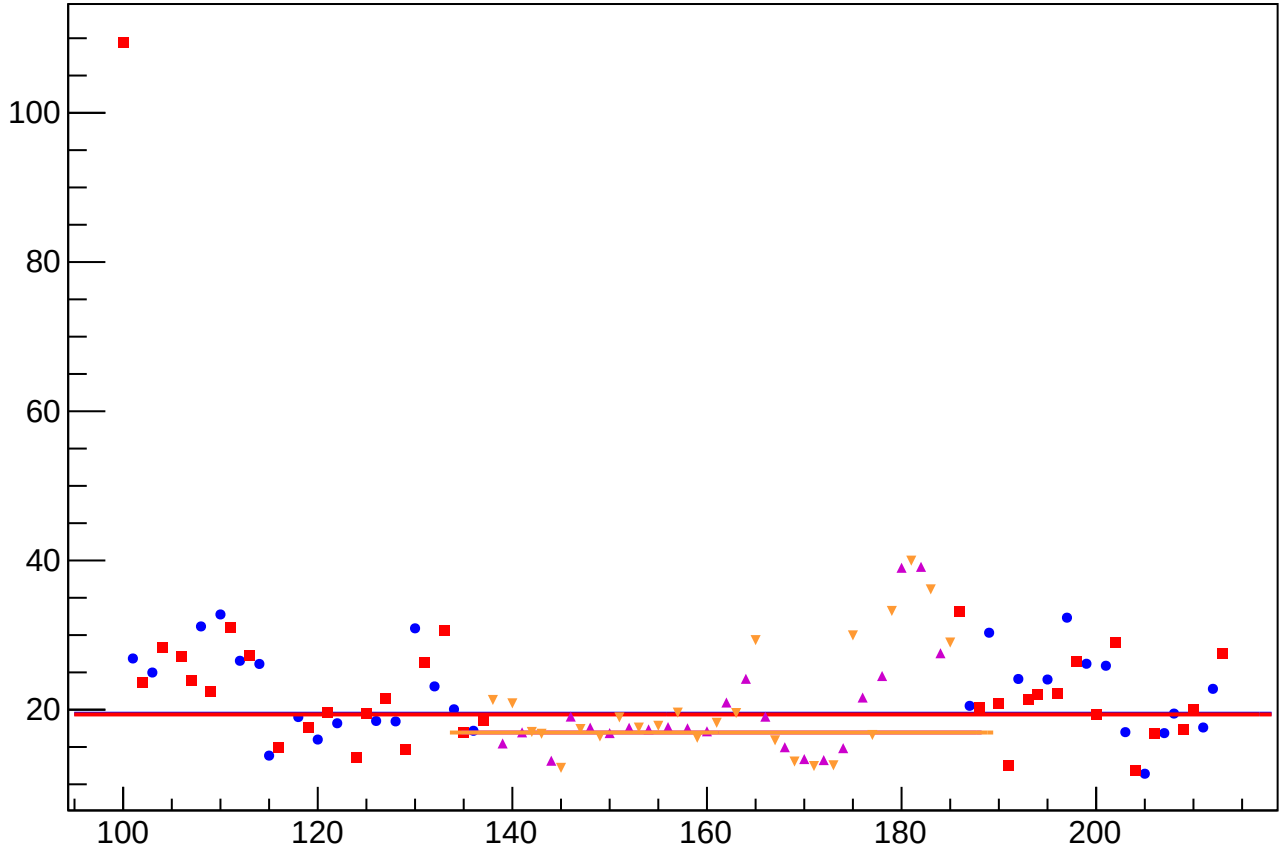
Right: -0.001+/-0.003 χ^2/NDF: 47.7/62

In: 0.000+/-0.003 χ^2/NDF:55.9/51

Out: -0.002+/-0.003 χ^2/NDF:54.1/58

All: -0.001+/-0.002 χ^2/NDF: 110.2/110

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.460+/-0.004 χ^2/NDF: 2346746.1/28

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

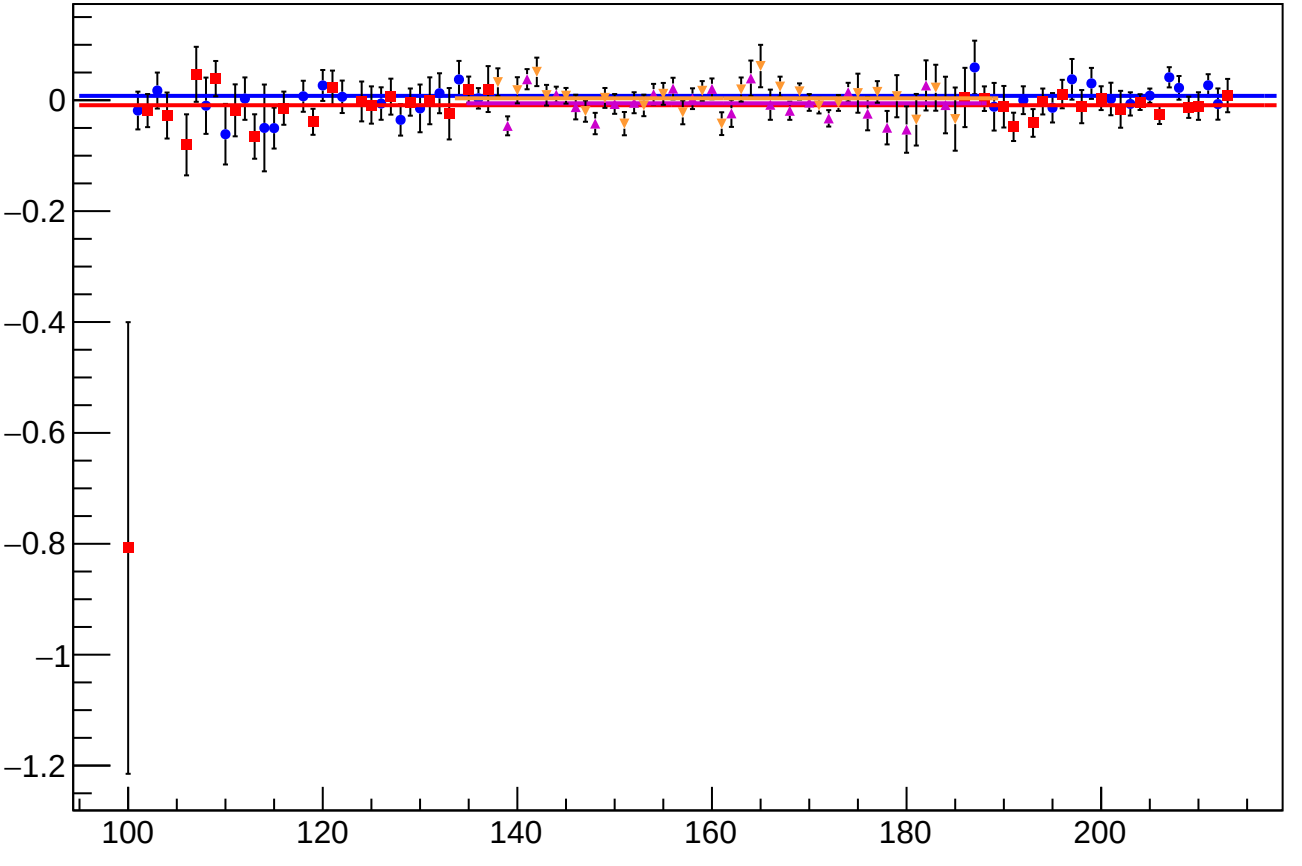
Right: 19.409+/-0.002 χ^2/NDF: 4633835.4/62

In: 17.979+/-0.002 χ^2/NDF:4585380.0/51

Out: 17.962+/-0.002 χ^2/NDF:5419810.2/58

All: 17.970+/-0.002 χ^2/NDF: 10005219.1/110

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.005 χ^2/NDF: 18.5/28

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

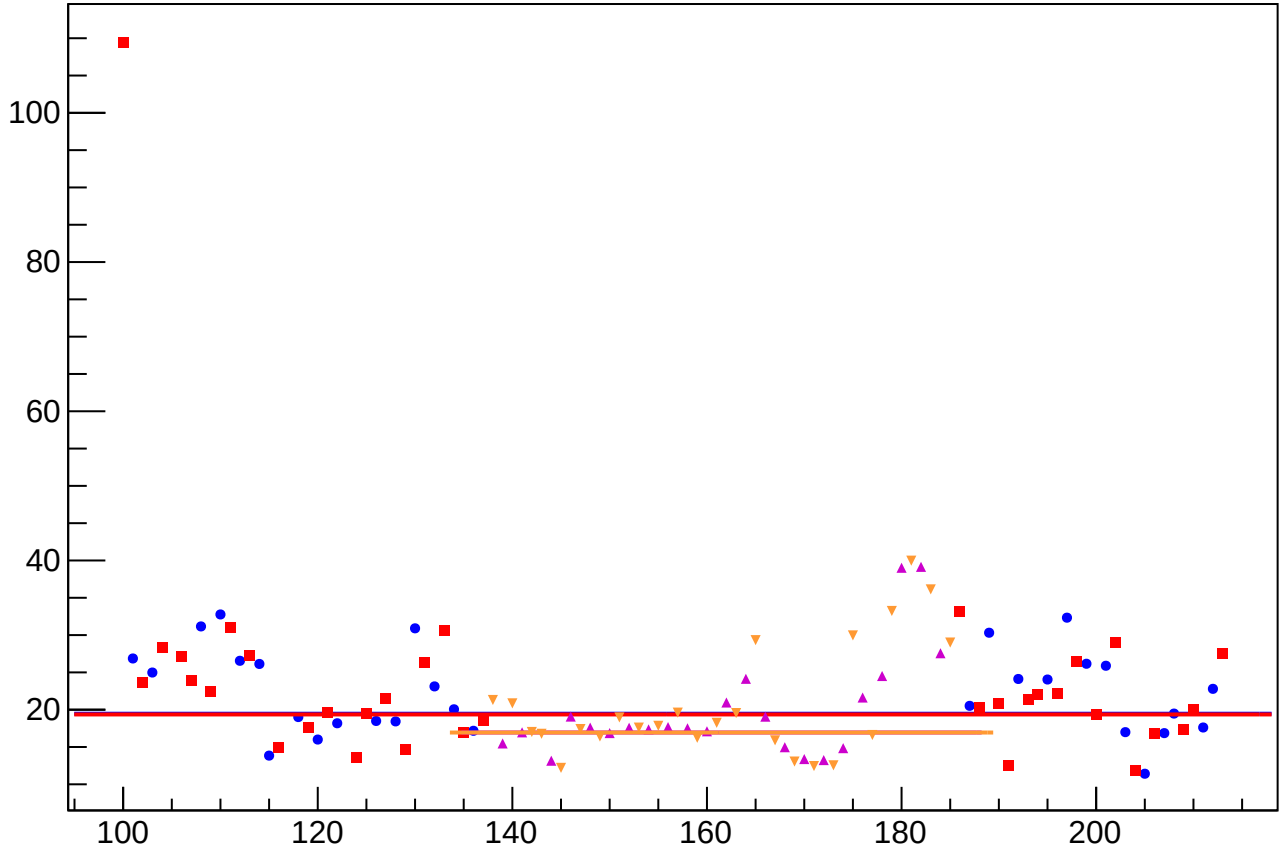
Right: -0.001+/-0.003 χ^2/NDF: 47.7/62

In: 0.000+/-0.003 χ^2/NDF:55.9/51

Out: -0.002+/-0.003 χ^2/NDF:54.1/58

All: -0.001+/-0.002 χ^2/NDF: 110.2/110

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.460+/-0.004 χ^2/NDF: 2346746.1/28

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

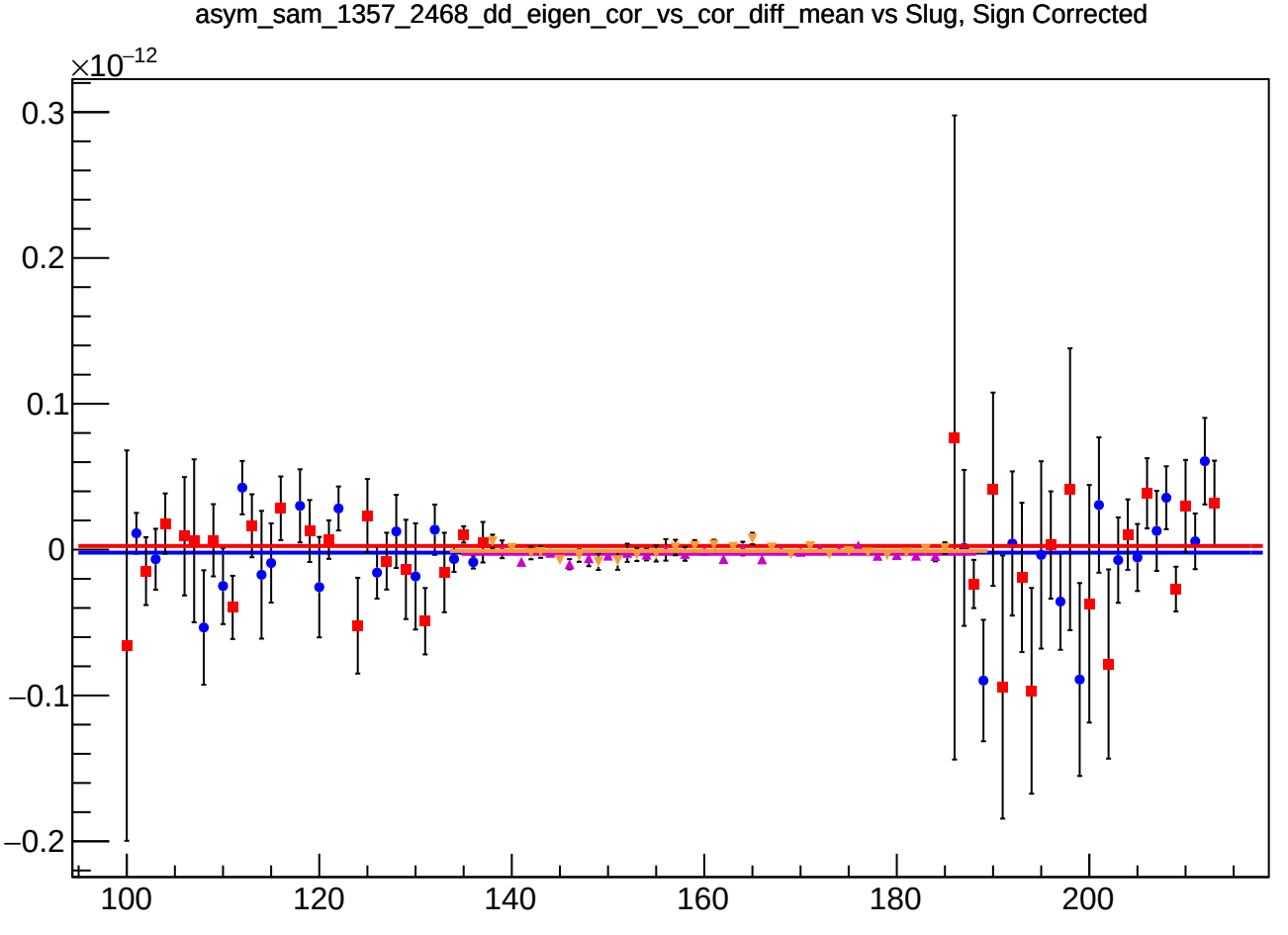
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.409+/-0.002 χ^2/NDF: 4633835.4/62

In: 17.979+/-0.002 χ^2/NDF:4585380.0/51

Out: 17.962+/-0.002 χ^2/NDF:5419810.2/58

All: 17.970+/-0.002 χ^2/NDF: 10005219.1/110



Right In: -0.000+/-0.000 χ^2/NDF: 35.8/28

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/33

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

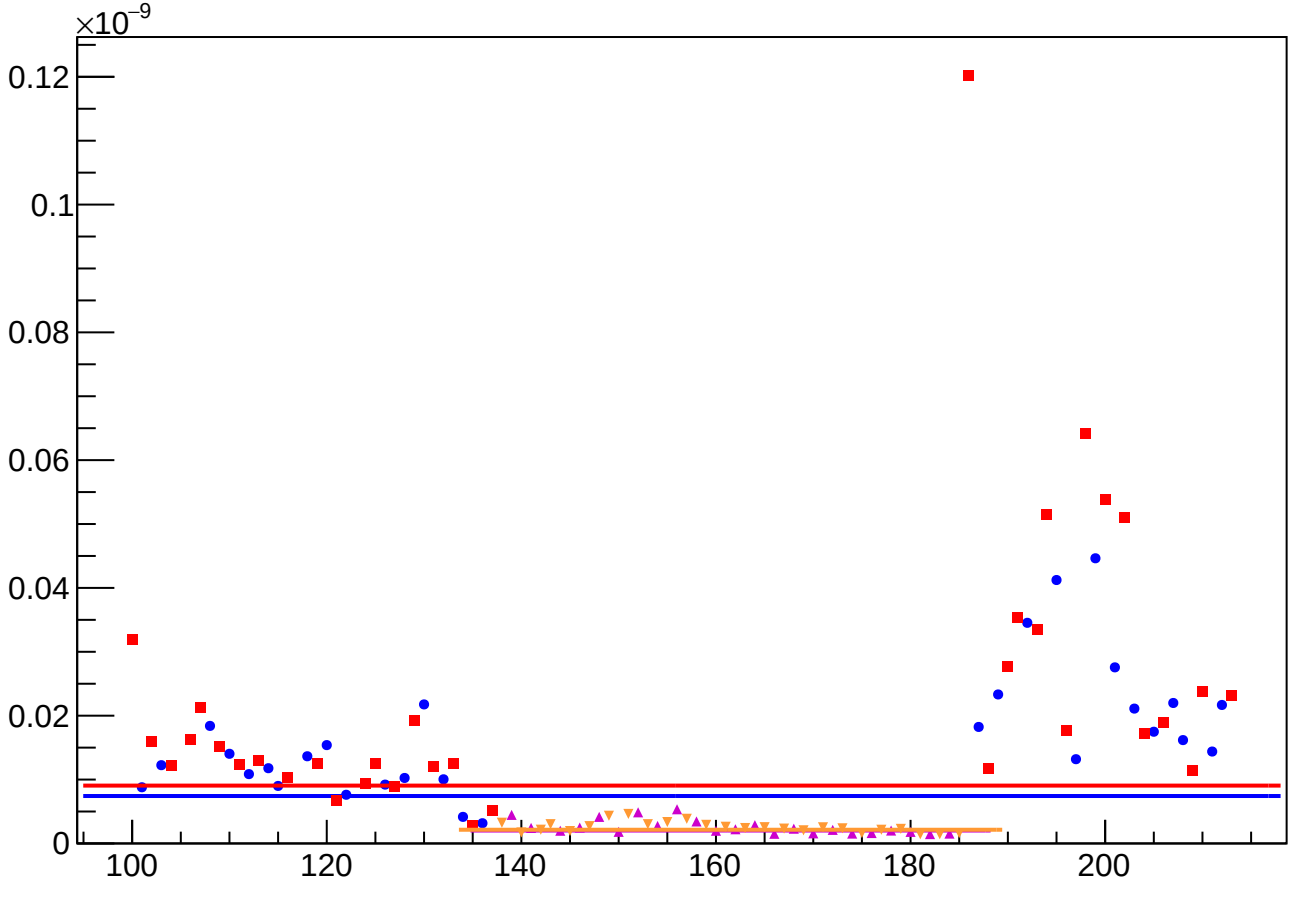
Right: -0.000+/-0.000 χ^2/NDF: 71.7/62

In: -0.000+/-0.000 χ^2/NDF:59.0/51

Out: -0.000+/-0.000 χ^2/NDF:59.4/58

All: -0.000+/-0.000 χ^2/NDF: 123.9/110

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8312865.4/28

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

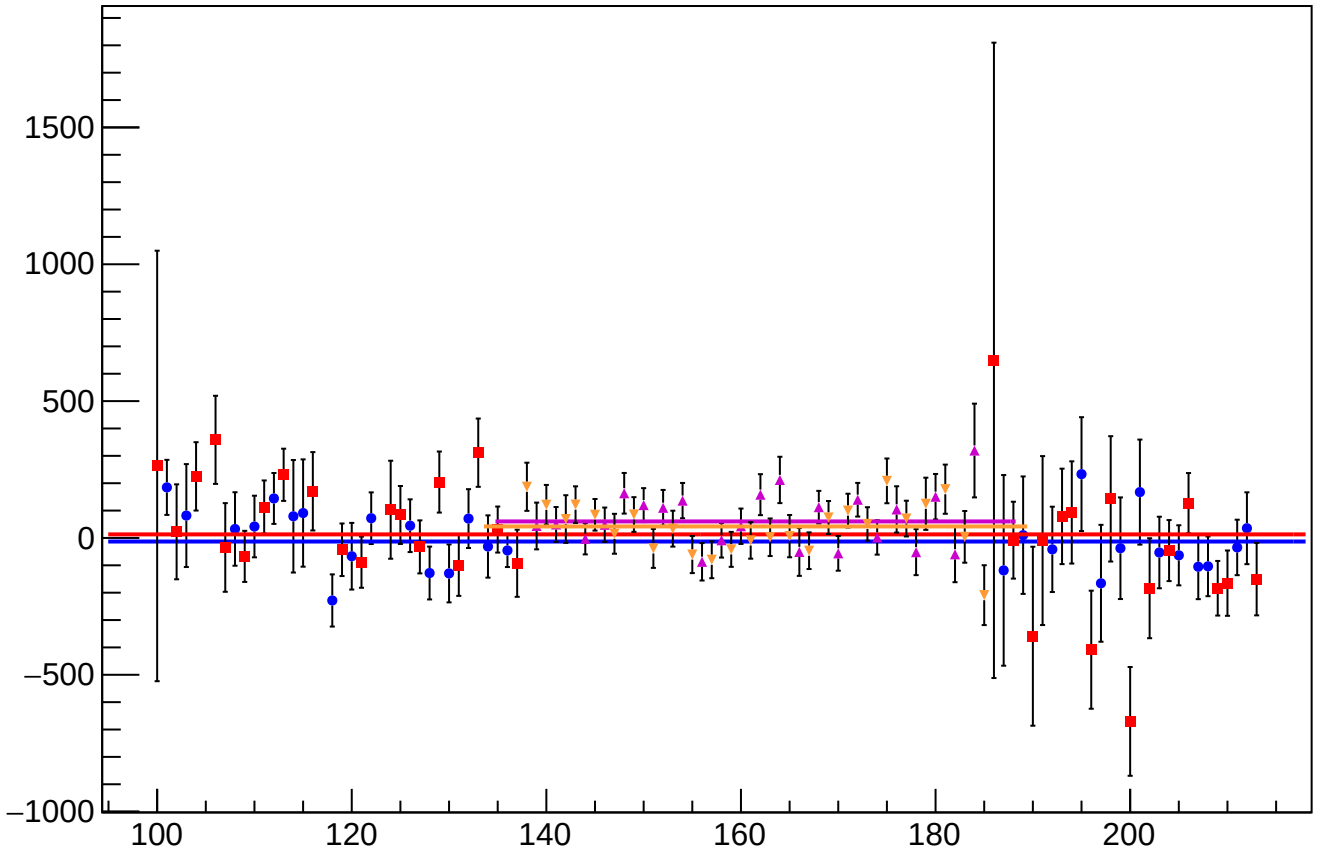
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 18017508.9/62

In: 0.000+/-0.000 χ^2/NDF:16728875.9/51

Out: 0.000+/-0.000 χ^2/NDF:19277434.9/58

All: 0.000+/-0.000 χ^2/NDF: 36045759.7/110



Right In: -13.061+/-21.928 χ^2/NDF: 22.6/28

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

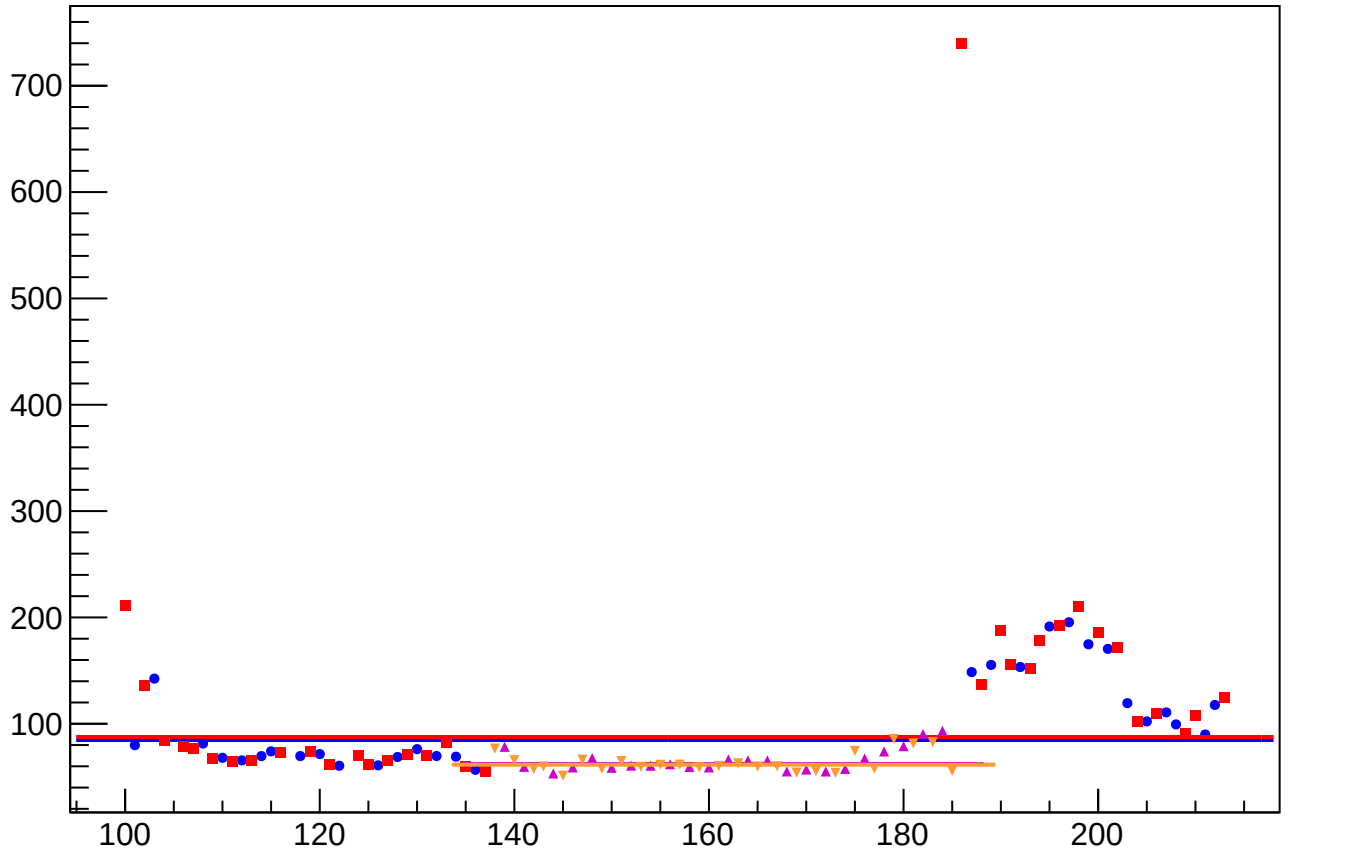
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: -0.094+/-15.550 χ^2/NDF: 80.1/62

In: 37.578+/-12.218 χ^2/NDF:62.5/51

Out: 33.532+/-11.928 χ^2/NDF:90.1/58

All: 35.506+/-8.535 χ^2/NDF: 152.7/110



Right In: 84.764+/-0.016 χ^2/NDF: 4297912.8/28

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

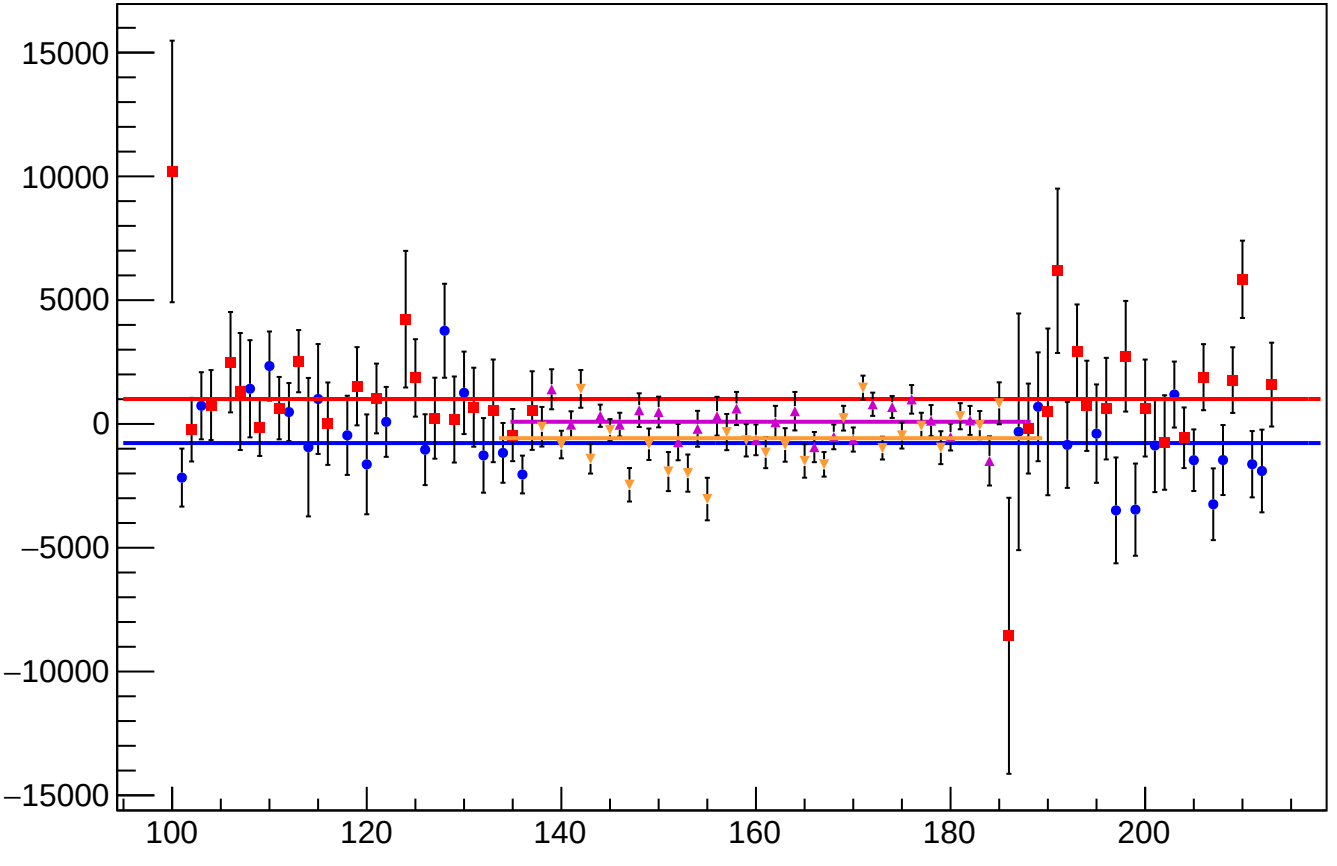
Right: 86.173+/-0.011 χ^2/NDF: 9955054.3/62

In: 69.167+/-0.009 χ^2/NDF:6362007.0/51

Out: 69.165+/-0.008 χ^2/NDF:8253158.1/58

All: 69.166+/-0.006 χ^2/NDF: 14615165.1/110

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -772.013+/-277.976 χ^2/NDF: 32.1/28

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

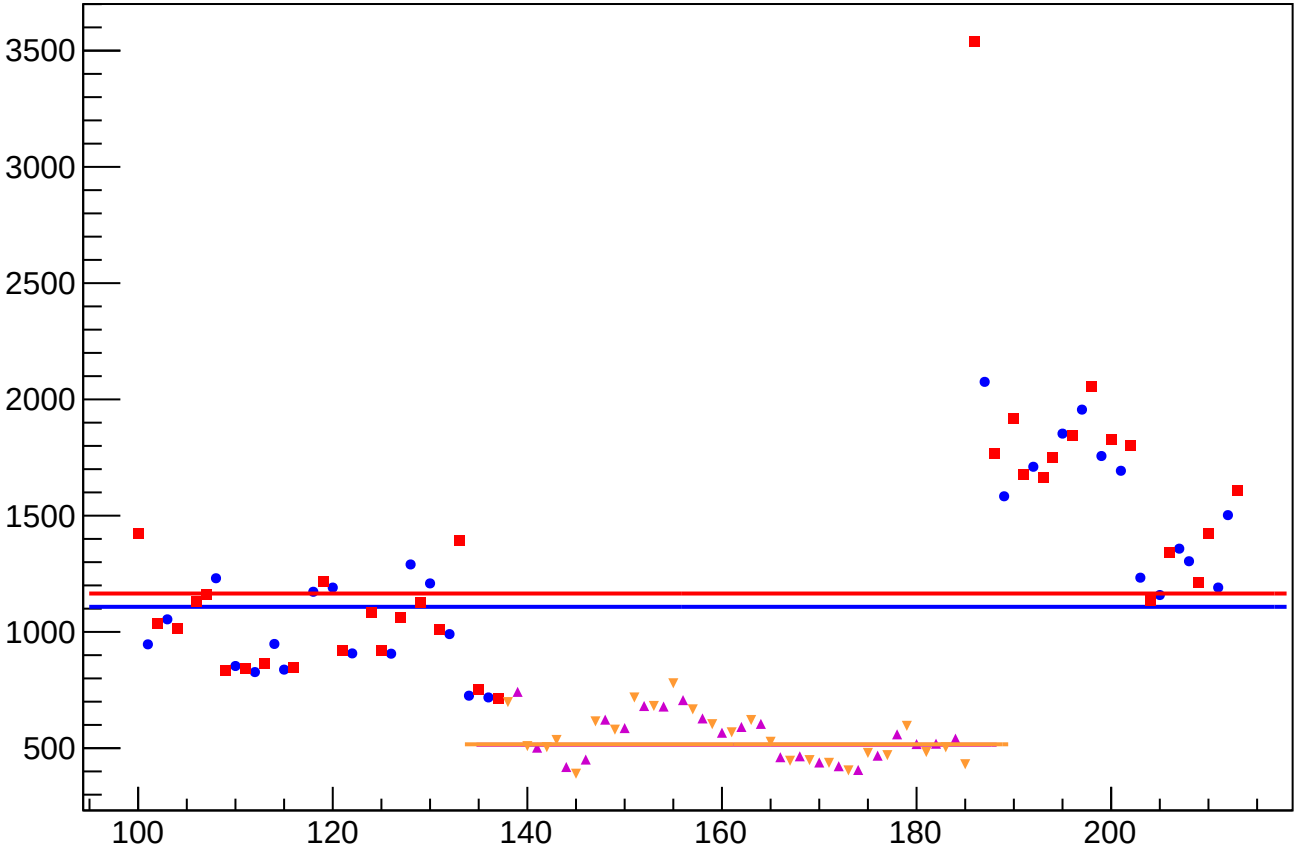
Right: 107.595+/-197.698 χ^2/NDF: 84.7/62

In: -51.563+/-112.092 χ^2/NDF:64.8/51

Out: -331.940+/-110.167 χ^2/NDF:127.9/58

All: -194.180+/-78.571 χ^2/NDF: 195.8/110

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1107.900+/-0.197 χ^2/NDF: 2799575.4/28

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

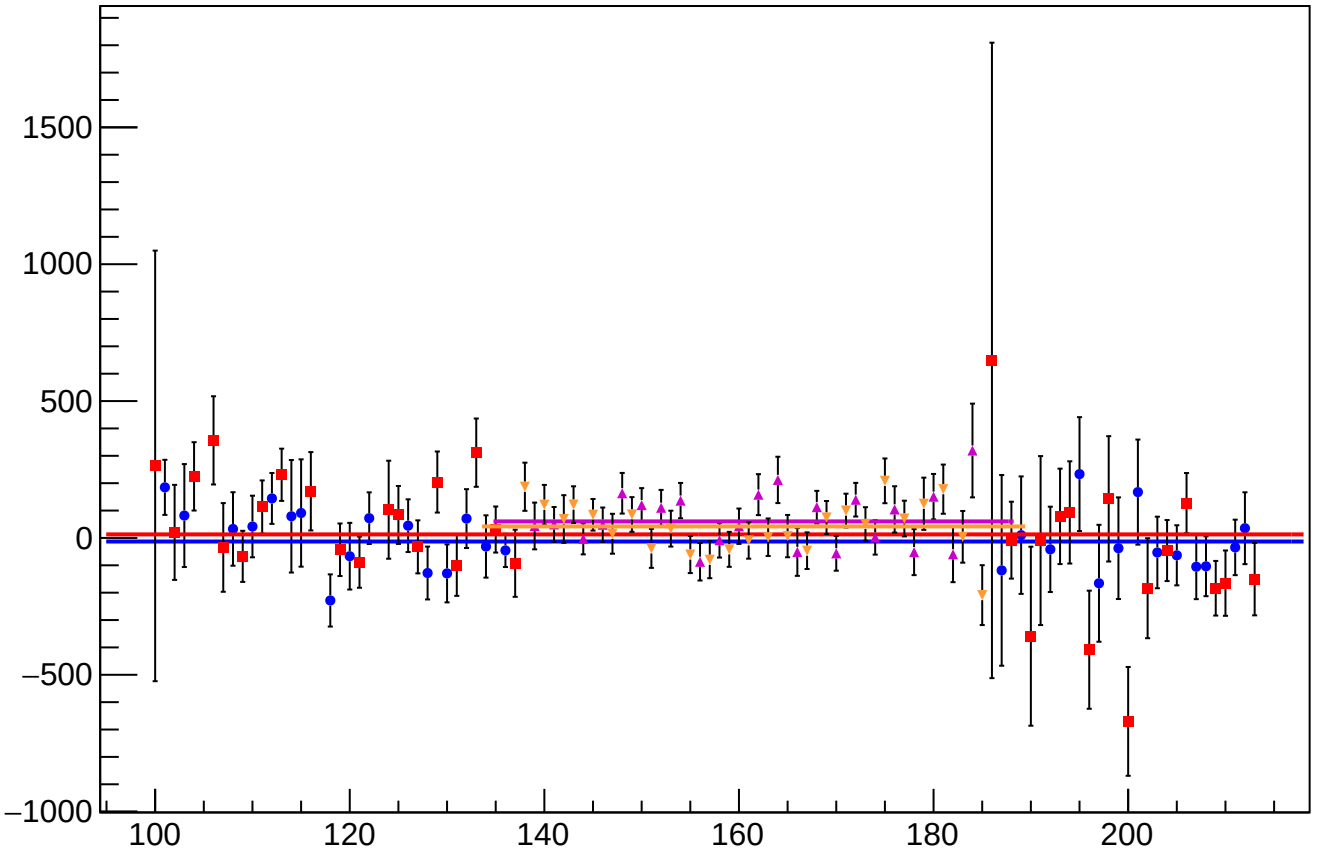
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1136.180+/-0.140 χ^2/NDF: 6306692.5/62

In: 611.225+/-0.079 χ^2/NDF:11544835.2/51

Out: 616.150+/-0.078 χ^2/NDF:13733032.5/58

All: 613.730+/-0.056 χ^2/NDF: 25279831.6/1



Right In: -13.068+/-21.928 χ^2/NDF: 22.6/28

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

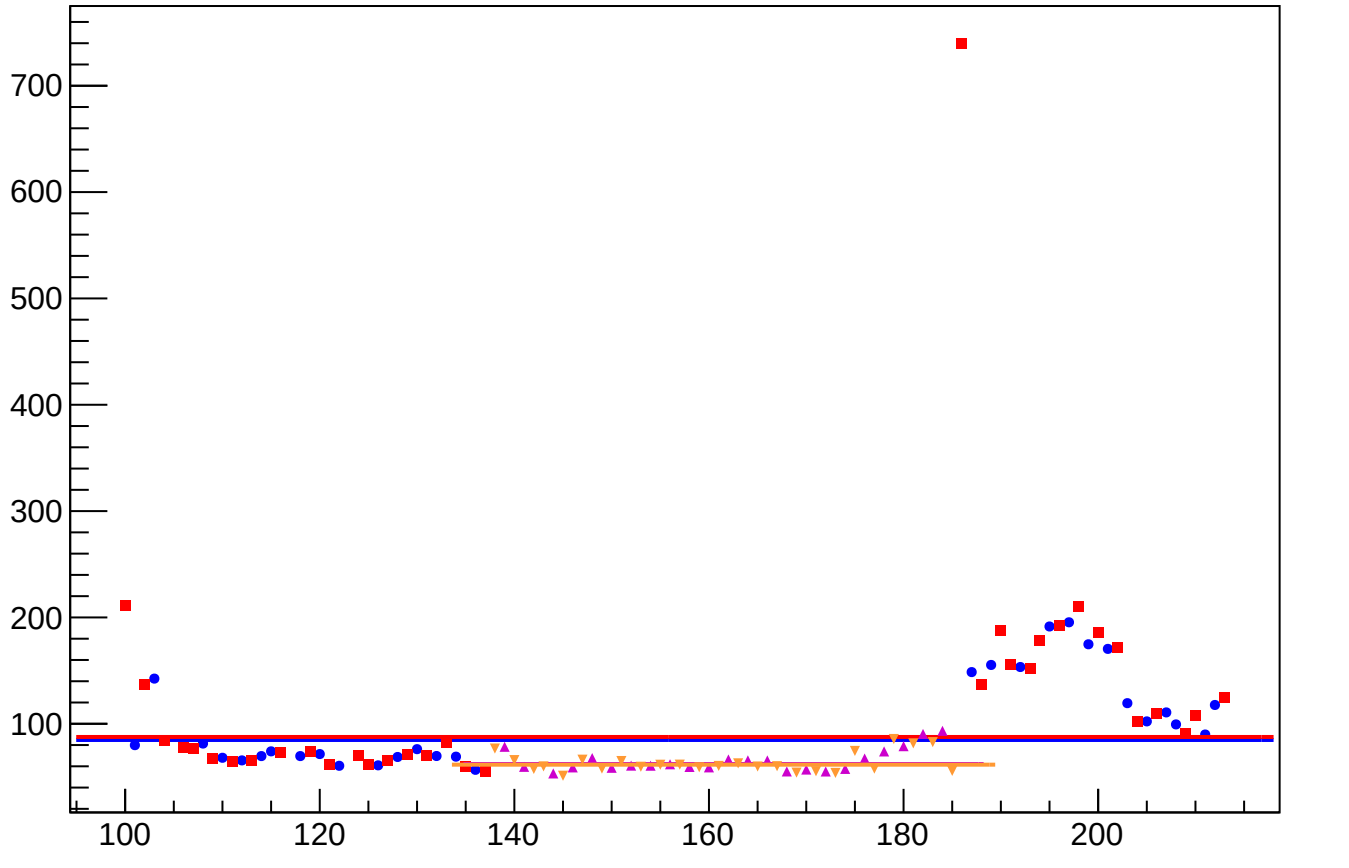
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -0.140+/-15.550 χ^2/NDF: 80.1/62

In: 37.575+/-12.218 χ^2/NDF:62.5/51

Out: 33.511+/-11.928 χ^2/NDF:90.0/58

All: 35.494+/-8.535 χ^2/NDF: 152.6/110



Right In: 84.764+/-0.016 χ^2/NDF: 4297915.9/28

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

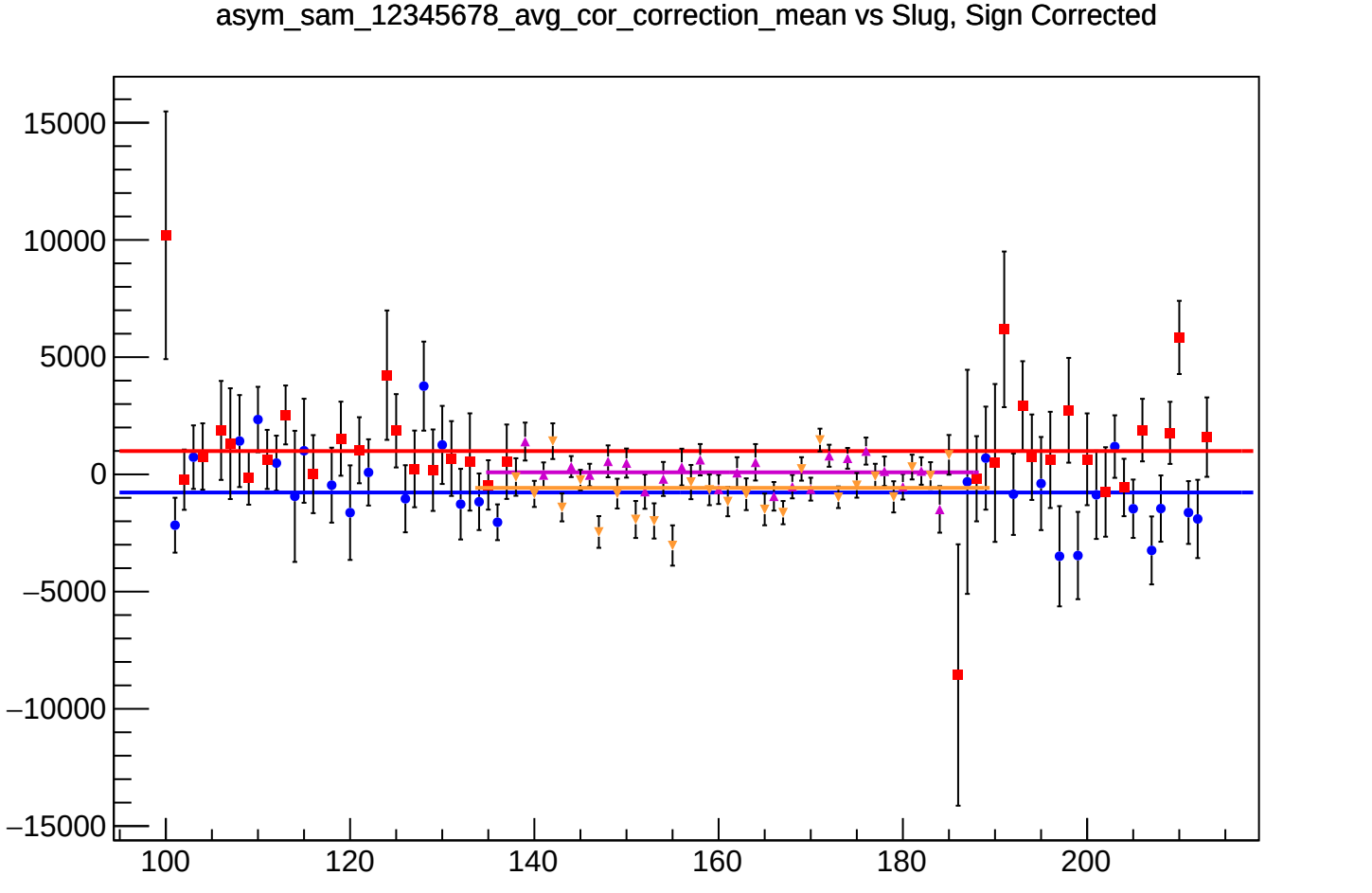
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 86.167+/-0.011 χ^2/NDF: 9956211.1/62

In: 69.167+/-0.009 χ^2/NDF:6362010.1/51

Out: 69.161+/-0.008 χ^2/NDF:8252493.7/58

All: 69.164+/-0.006 χ^2/NDF: 14614503.9/110



Right In: -771.996+/-277.977 χ^2/NDF: 32.1/28

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

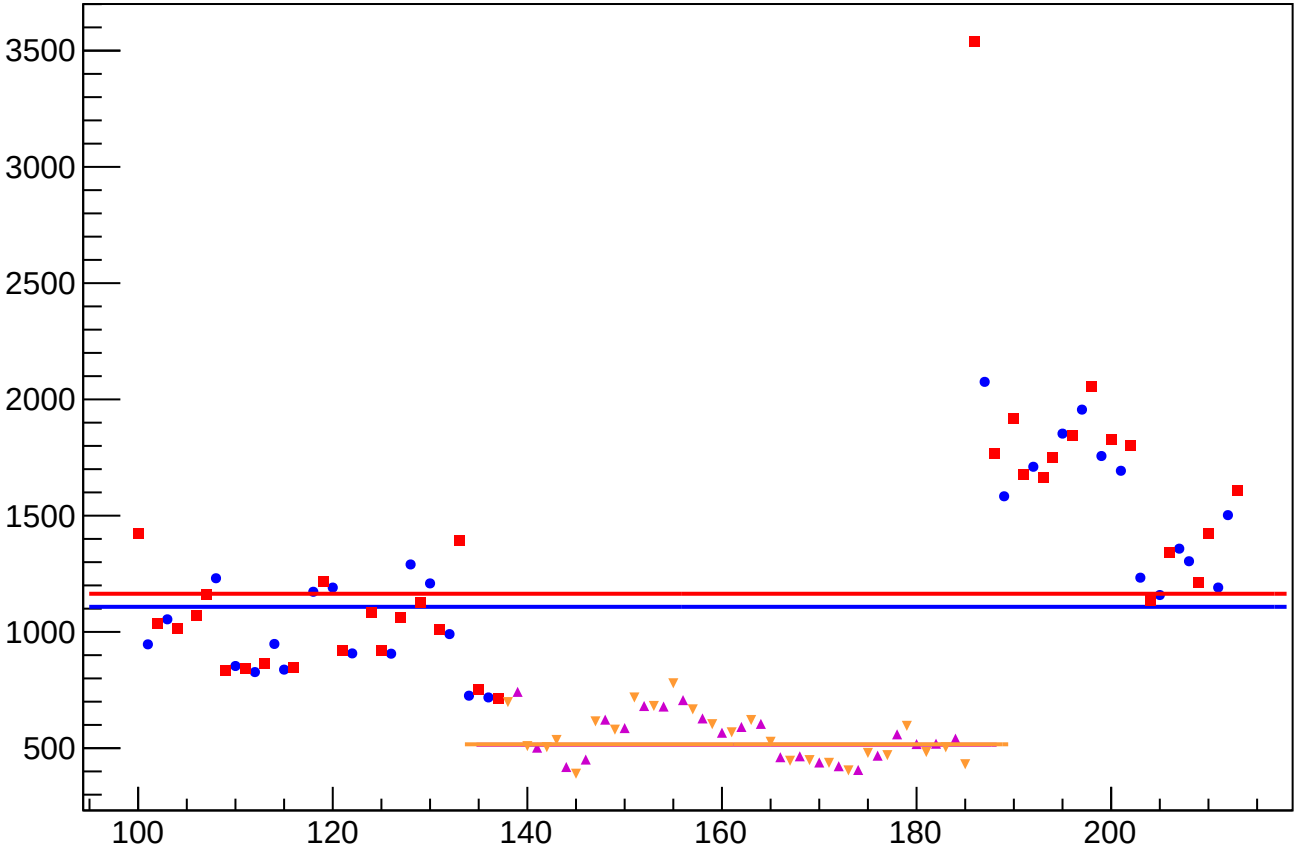
Right: 100.541+/-197.775 χ^2/NDF: 84.0/62

In: -51.560+/-112.092 χ^2/NDF:64.8/51

Out: -334.232+/-110.180 χ^2/NDF:127.0/58

All: -195.328+/-78.576 χ^2/NDF: 195.0/110

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1107.904+/-0.197 χ^2/NDF: 2799570.6/28

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

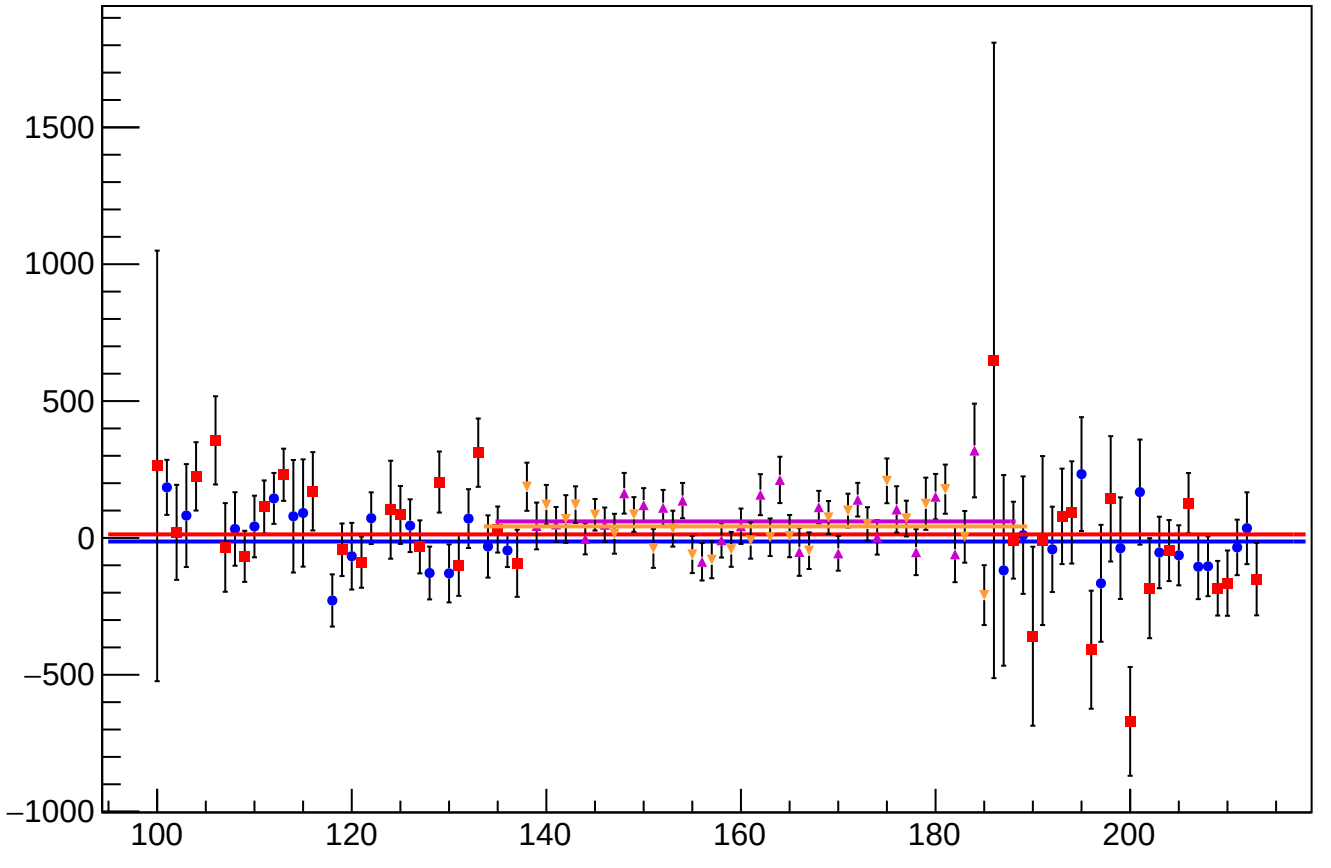
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1135.657+/-0.140 χ^2/NDF: 6308454.8/62

In: 611.225+/-0.079 χ^2/NDF:11544877.7/51

Out: 615.862+/-0.078 χ^2/NDF:13696176.6/58

All: 613.584+/-0.056 χ^2/NDF: 25242794.8/1



Right In: -13.068+/-21.928 χ^2/NDF: 22.6/28

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

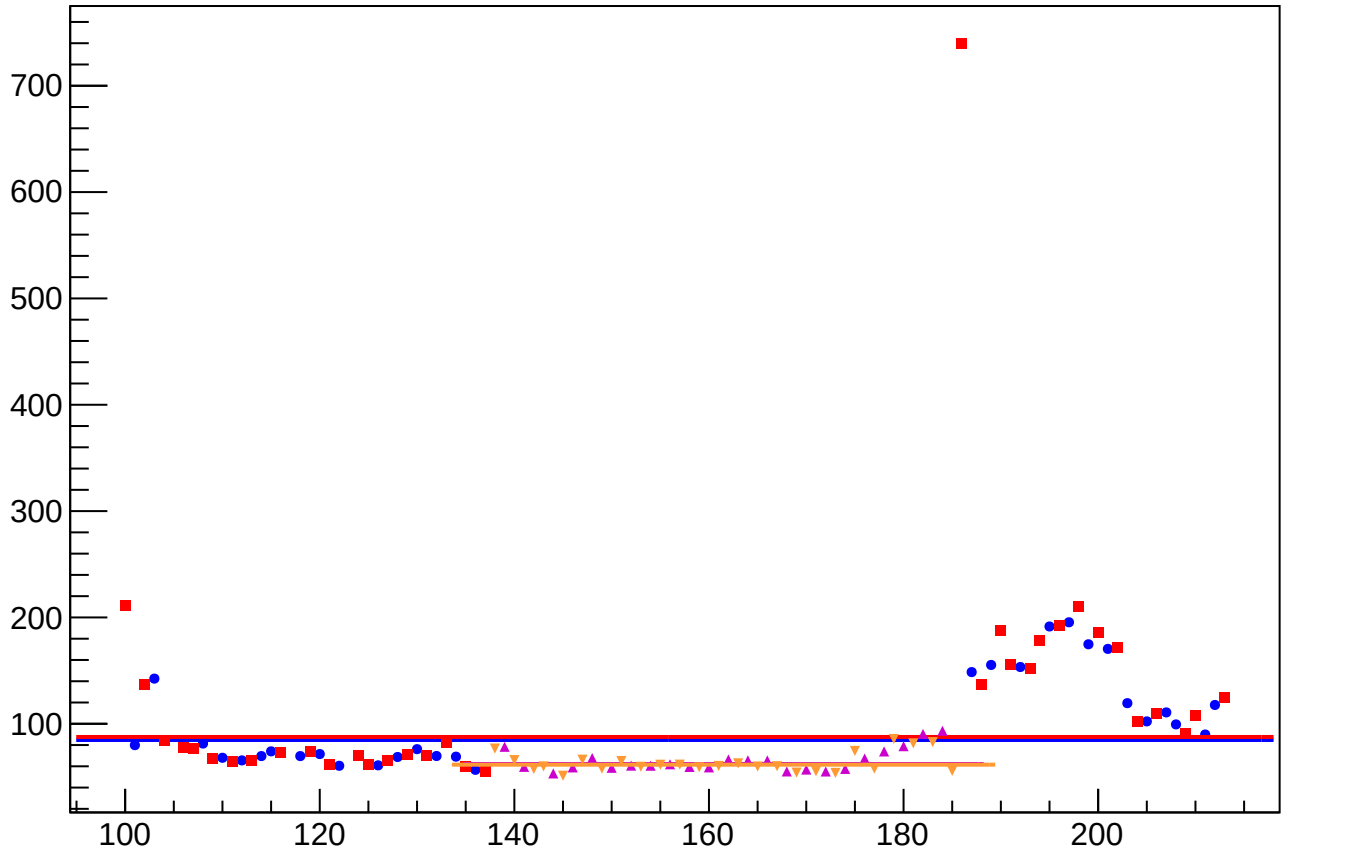
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -0.140+/-15.550 χ^2/NDF: 80.1/62

In: 37.575+/-12.218 χ^2/NDF:62.5/51

Out: 33.511+/-11.928 χ^2/NDF:90.0/58

All: 35.494+/-8.535 χ^2/NDF: 152.6/110



Right In: 84.764+/-0.016 χ^2/NDF: 4297915.9/28

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

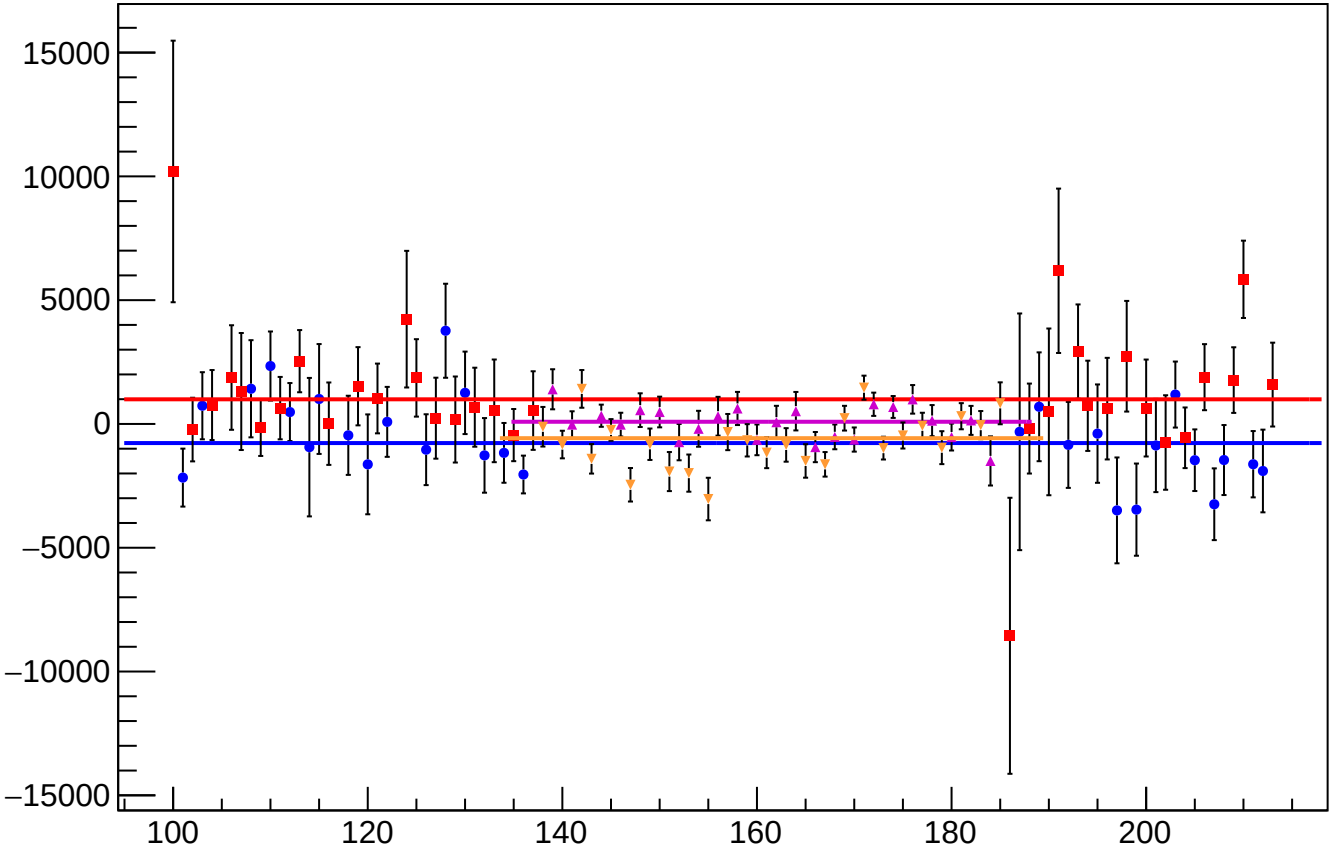
Right: 86.167+/-0.011 χ^2/NDF: 9956211.1/62

In: 69.167+/-0.009 χ^2/NDF:6362010.1/51

Out: 69.161+/-0.008 χ^2/NDF:8252493.7/58

All: 69.164+/-0.006 χ^2/NDF: 14614503.9/110

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -771.996+/-277.977 χ^2/NDF: 32.1/28

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

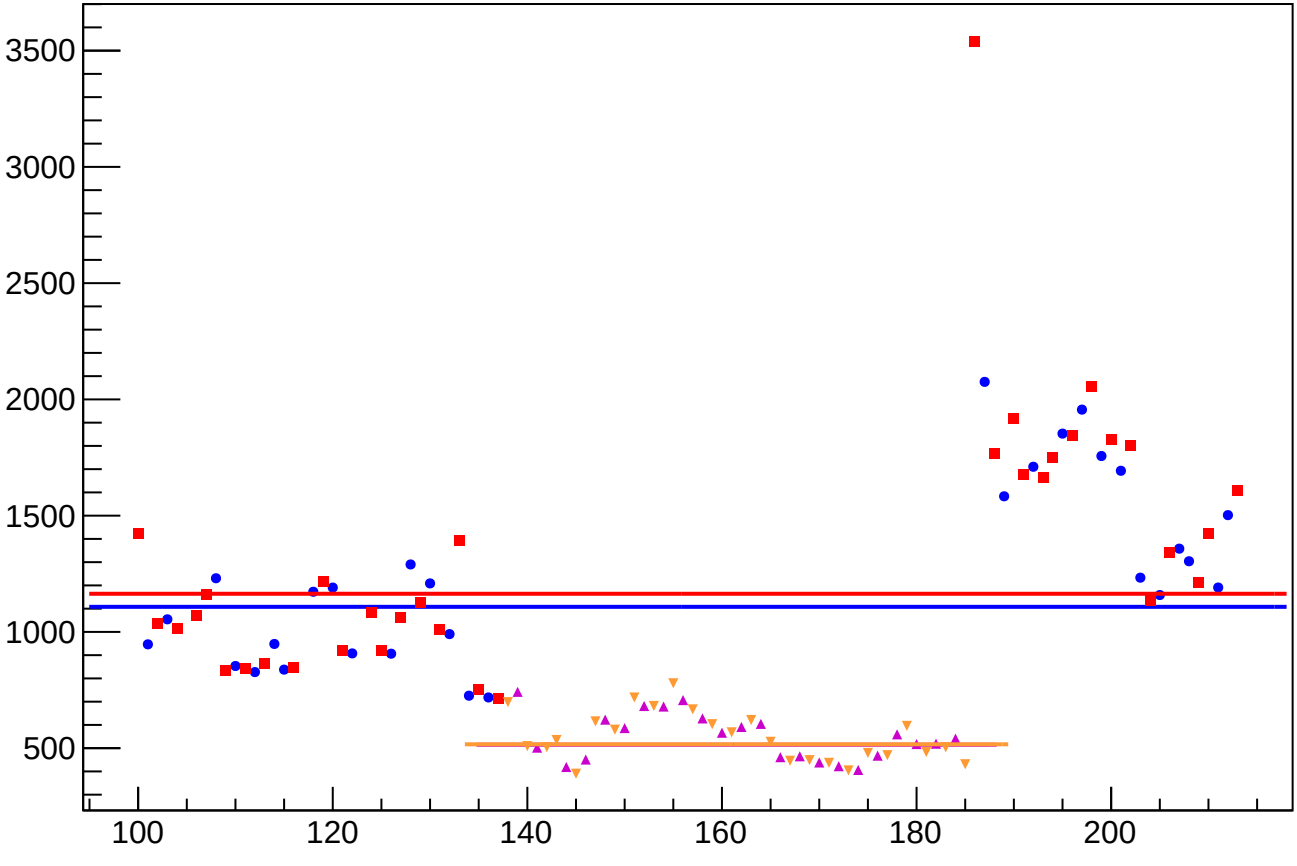
Right: 100.541+/-197.775 χ^2/NDF: 84.0/62

In: -51.560+/-112.092 χ^2/NDF:64.8/51

Out: -334.232+/-110.180 χ^2/NDF:127.0/58

All: -195.328+/-78.576 χ^2/NDF: 195.0/110

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1107.904+/-0.197 χ^2/NDF: 2799570.6/28

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

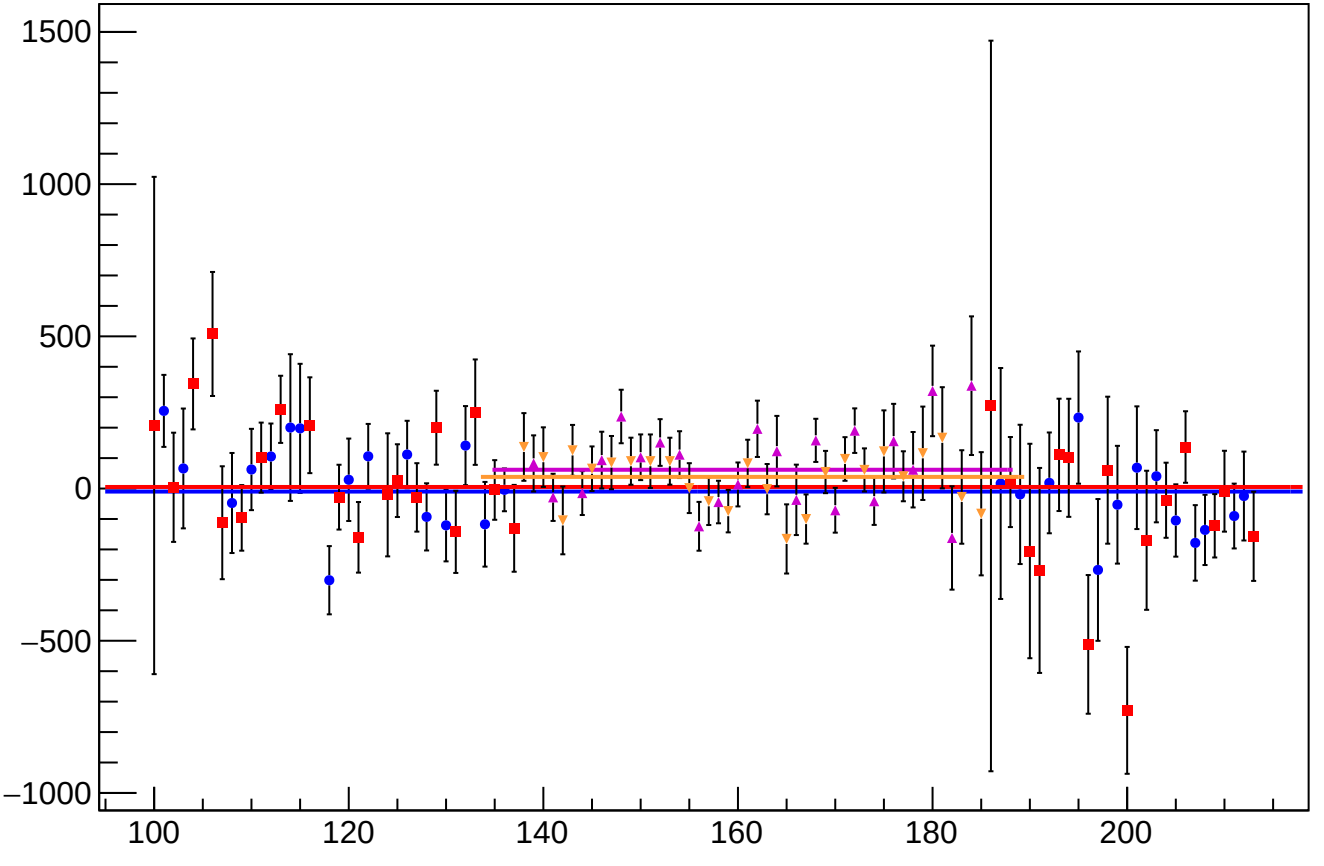
Right: 1135.657+/-0.140 χ^2/NDF: 6308454.8/62

In: 611.225+/-0.079 χ^2/NDF:11544877.7/51

Out: 615.862+/-0.078 χ^2/NDF:13696176.6/58

All: 613.584+/-0.056 χ^2/NDF: 25242794.8/1

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: -9.912+/-24.776 χ^2/NDF: 28.1/28

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

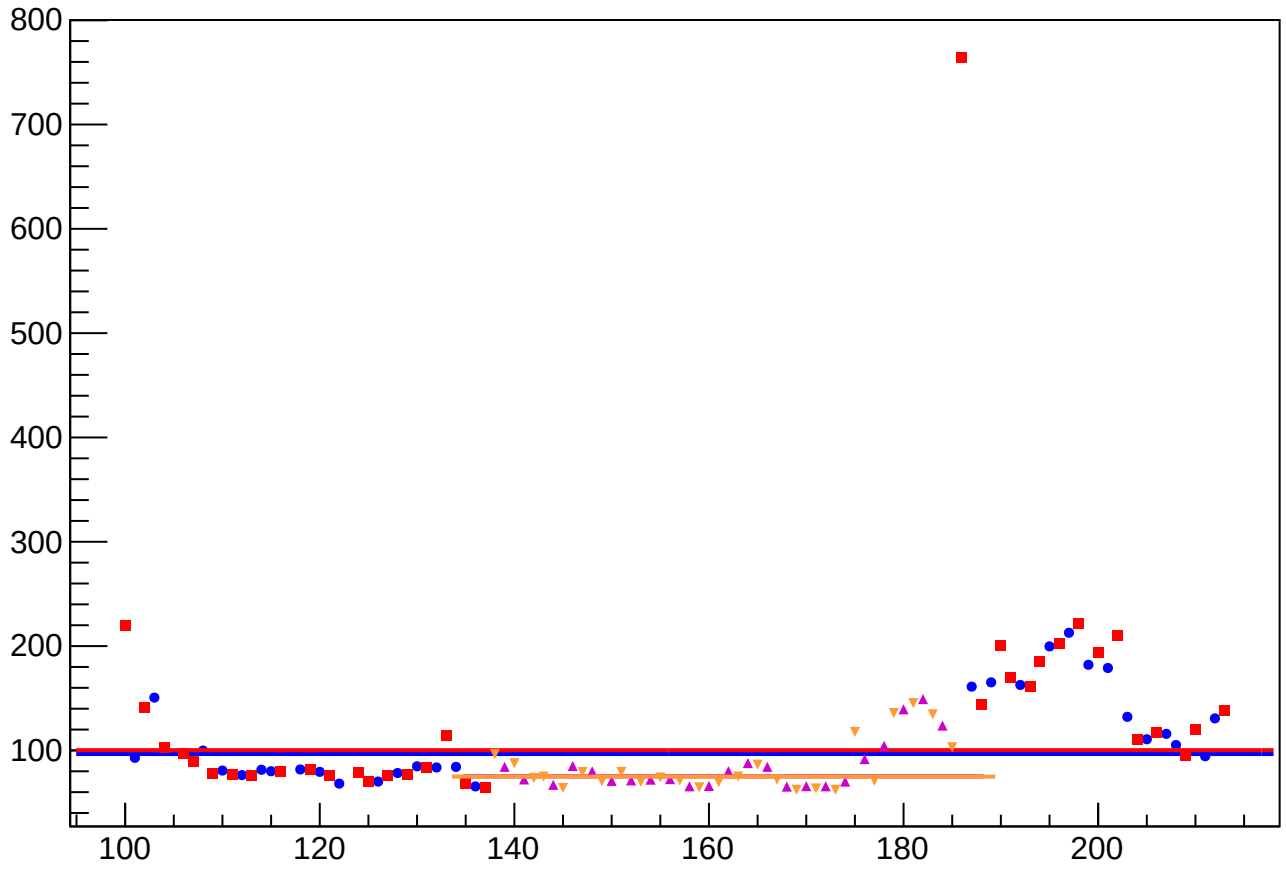
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -2.459+/-17.619 χ^2/NDF: 81.5/62

In: 36.631+/-14.663 χ^2/NDF:70.2/51

Out: 27.286+/-14.441 χ^2/NDF:73.2/58

All: 31.887+/-10.289 χ^2/NDF: 143.6/110



Right In: 96.509+/-0.018 χ^2/NDF: 3636877.7/28

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

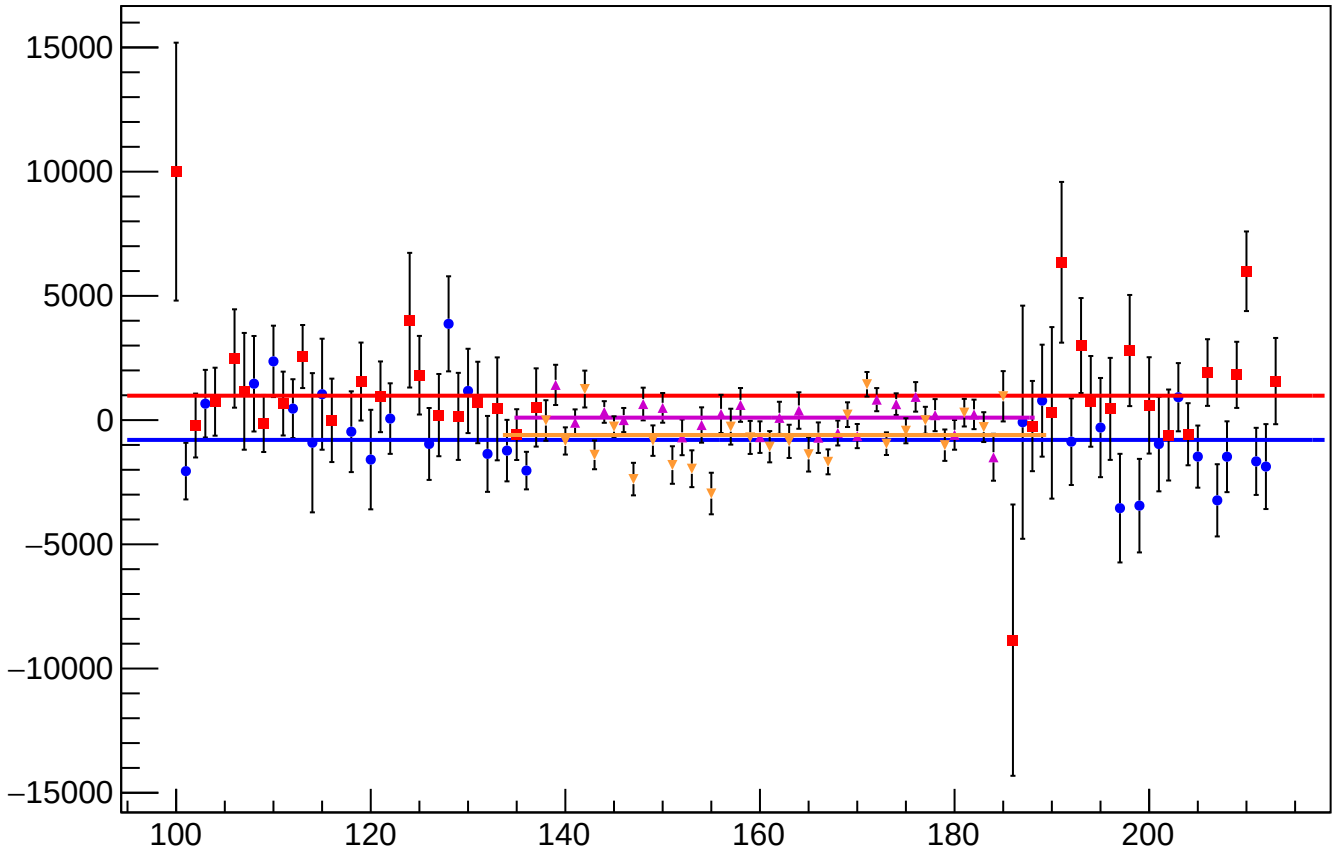
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 98.367+/-0.012 χ^2/NDF: 8611925.3/62

In: 82.635+/-0.010 χ^2/NDF:5914635.4/51

Out: 83.325+/-0.010 χ^2/NDF:7982345.0/58

All: 82.985+/-0.007 χ^2/NDF: 13899227.1/110



Right In: -797.119+/-279.784 χ^2/NDF: 31.0/28

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

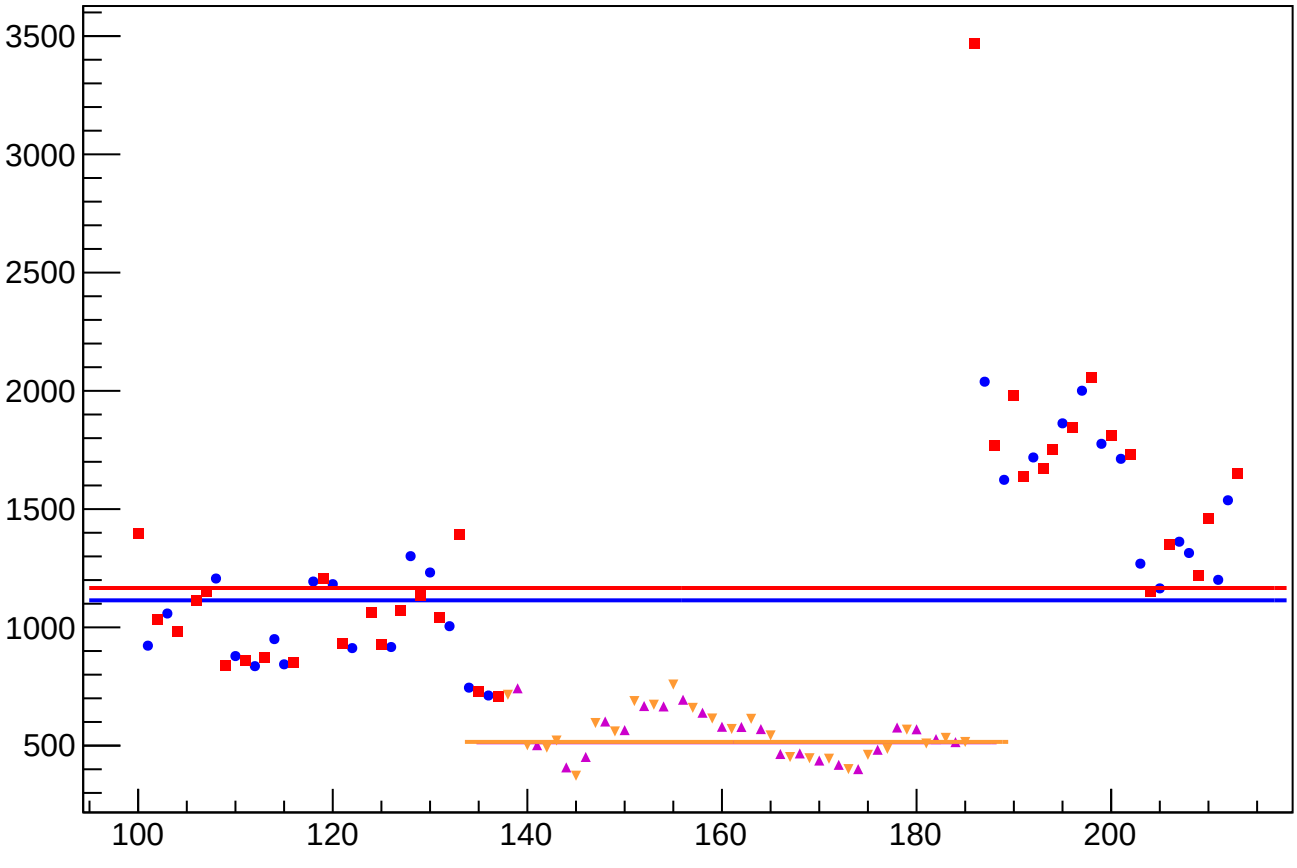
Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

Right: 87.222+/-198.452 χ^2/NDF: 84.6/62

In: -44.693+/-112.070 χ^2/NDF:63.4/51

Out: -357.996+/-109.863 χ^2/NDF:125.3/58

All: -204.459+/-78.453 χ^2/NDF: 192.6/110



Right In: 1114.292+/-0.198 χ^2/NDF: 2864835.7/28

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

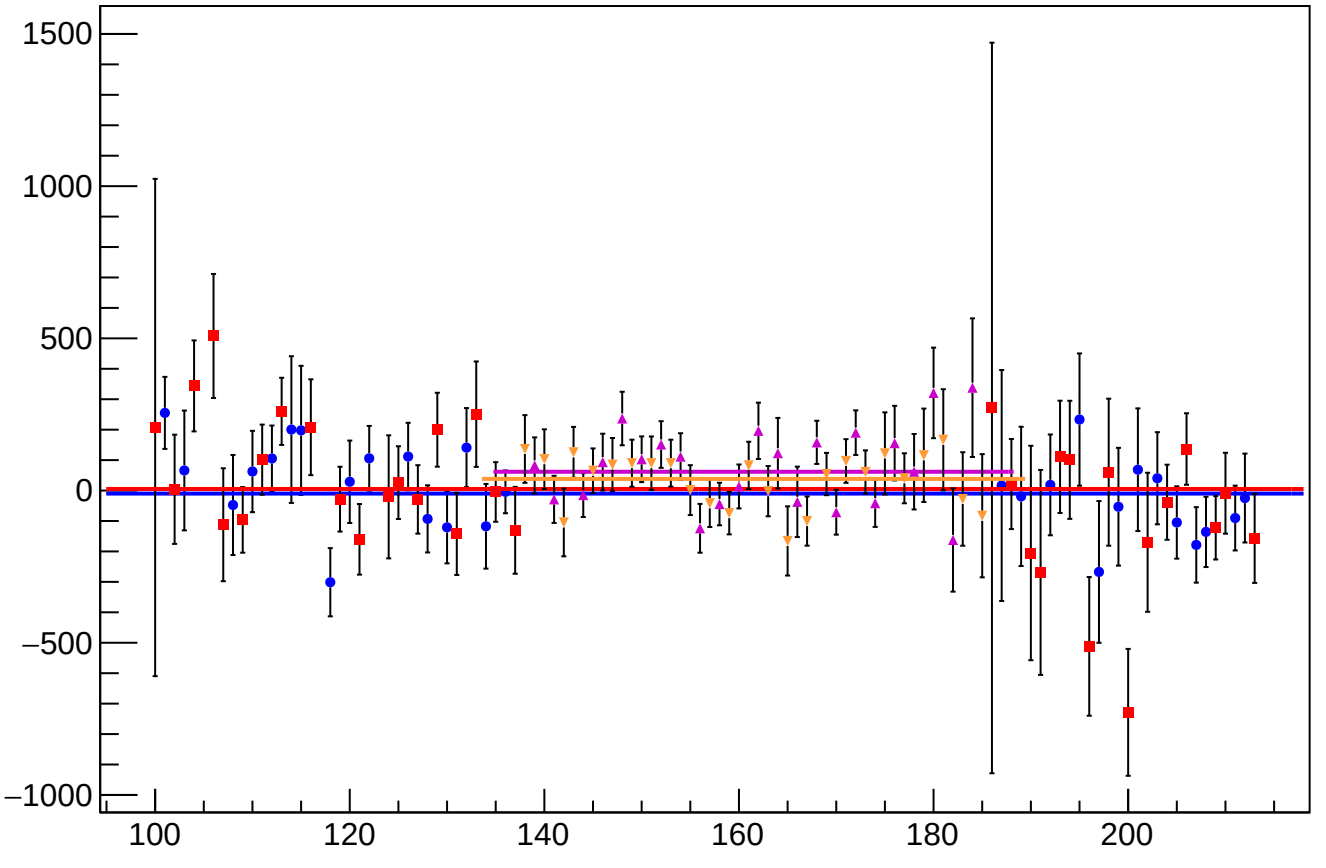
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1140.202+/-0.140 χ^2/NDF: 6384836.3/62

In: 610.388+/-0.079 χ^2/NDF:11709066.2/51

Out: 614.848+/-0.078 χ^2/NDF:13774315.4/58

All: 612.662+/-0.055 χ^2/NDF: 25484996.6/1



Right In: -9.912+/-24.776 χ^2/NDF: 28.1/28

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

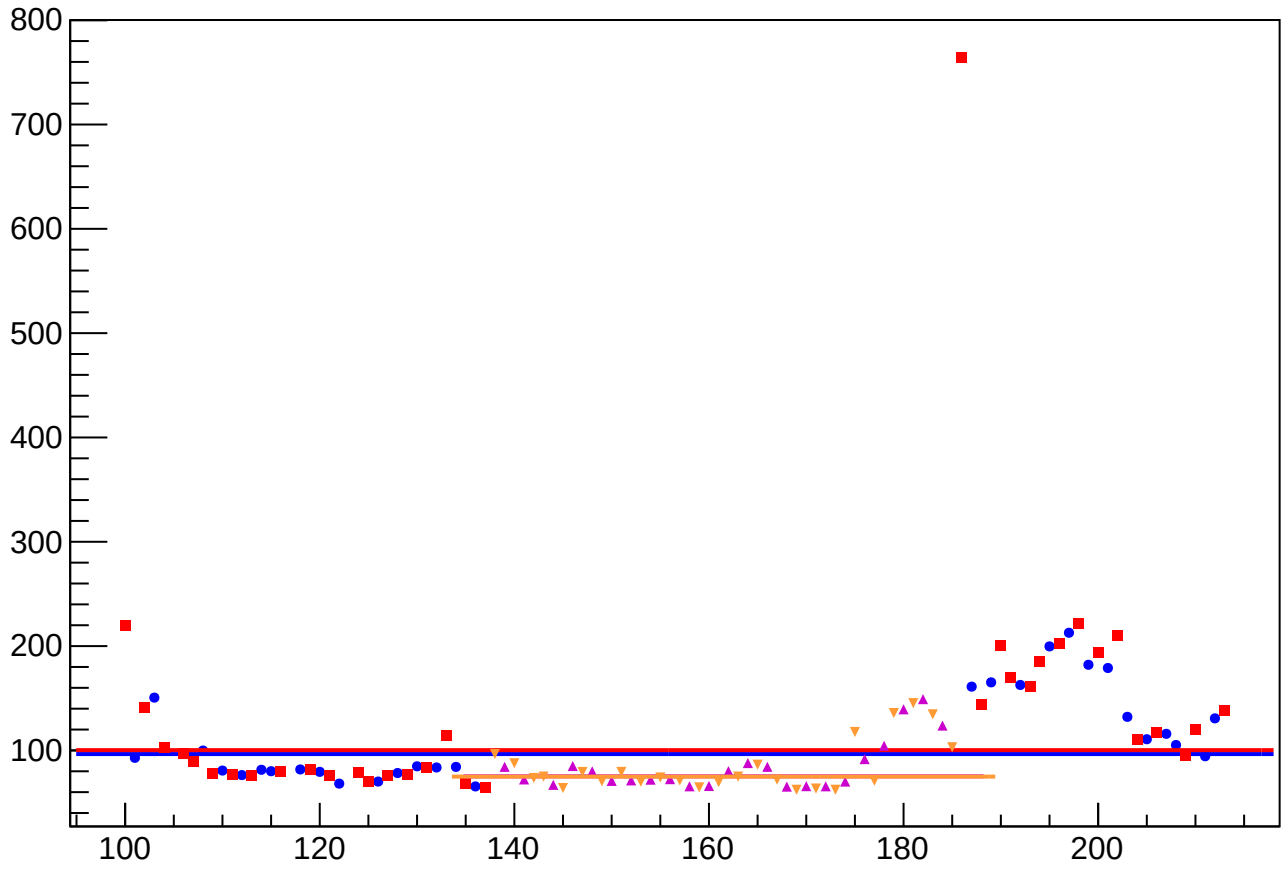
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -2.460+/-17.619 χ^2/NDF: 81.5/62

In: 36.631+/-14.663 χ^2/NDF:70.2/51

Out: 27.286+/-14.441 χ^2/NDF:73.2/58

All: 31.887+/-10.289 χ^2/NDF: 143.6/110



Right In: 96.508+/-0.018 χ^2/NDF: 3636891.0/28

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

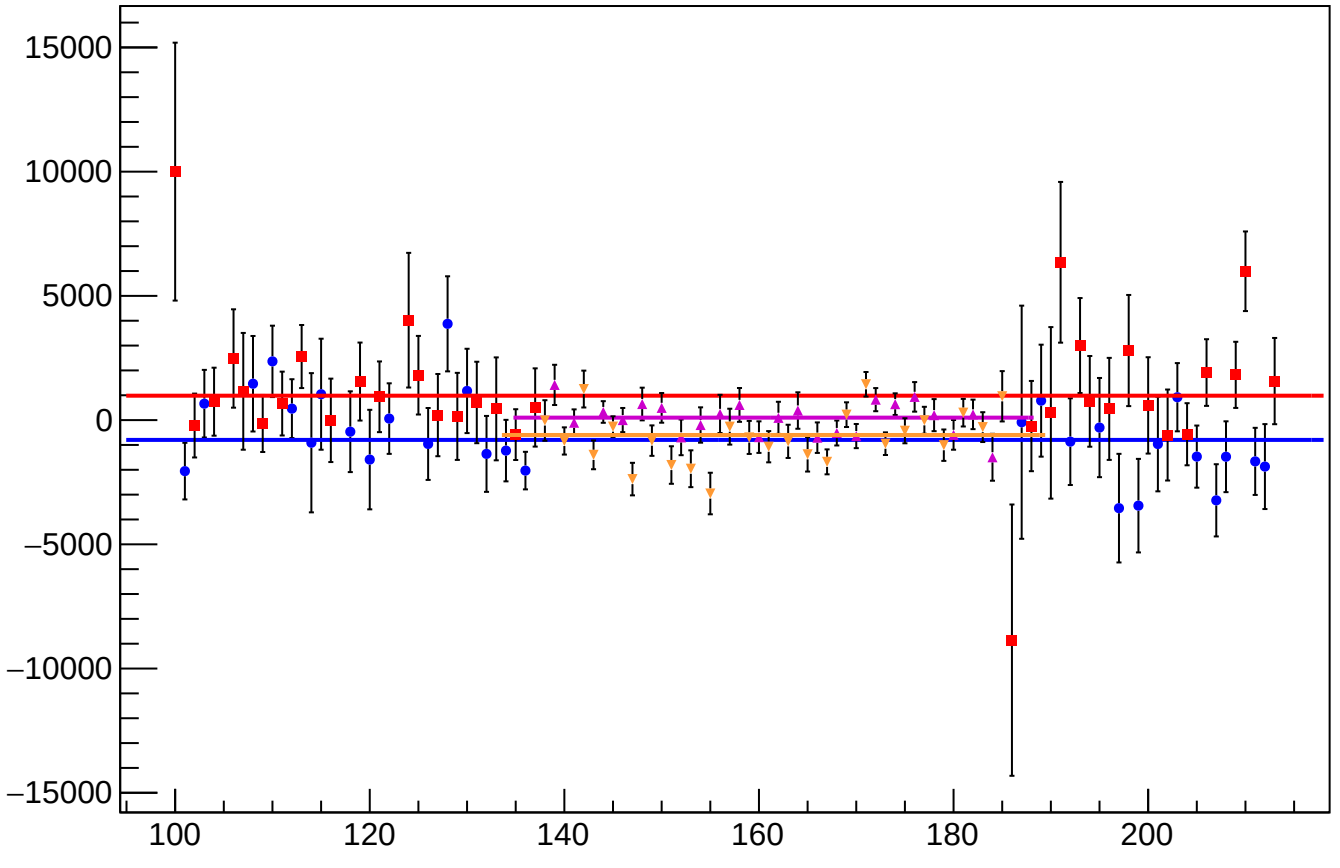
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 98.367+/-0.012 χ^2/NDF: 8611967.4/62

In: 82.635+/-0.010 χ^2/NDF:5914591.9/51

Out: 83.325+/-0.010 χ^2/NDF:7982327.8/58

All: 82.985+/-0.007 χ^2/NDF: 13899166.4/110



Right In: -797.115+/-279.784 χ^2/NDF: 31.0/28

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 982.646+/-281.532 χ^2/NDF: 33.5/33

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

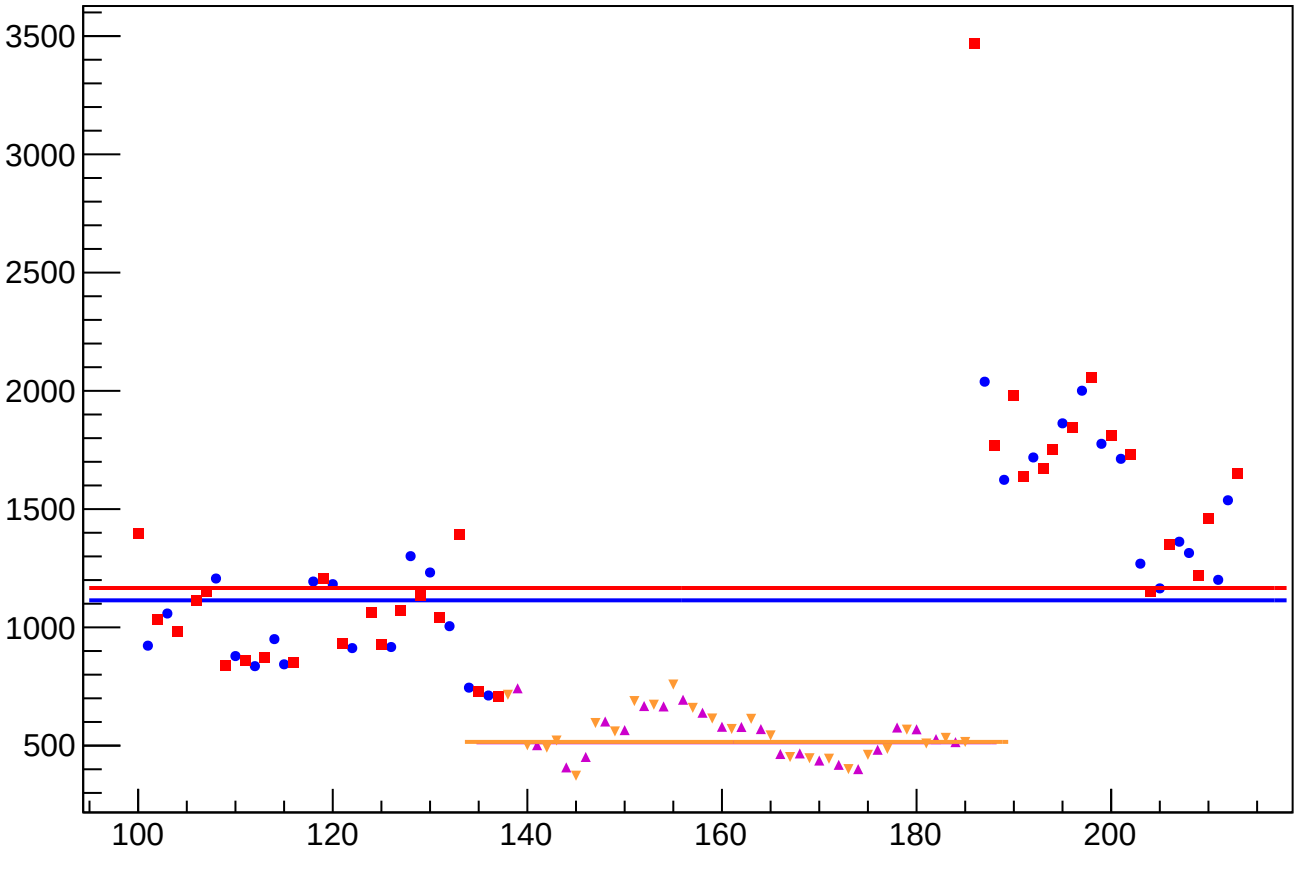
Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

Right: 87.223+/-198.452 χ^2/NDF: 84.6/62

In: -44.693+/-112.069 χ^2/NDF:63.4/51

Out: -357.995+/-109.863 χ^2/NDF:125.3/58

All: -204.459+/-78.453 χ^2/NDF: 192.6/110



Right In: 1114.290+/-0.198 χ^2/NDF: 2864845.7/28

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

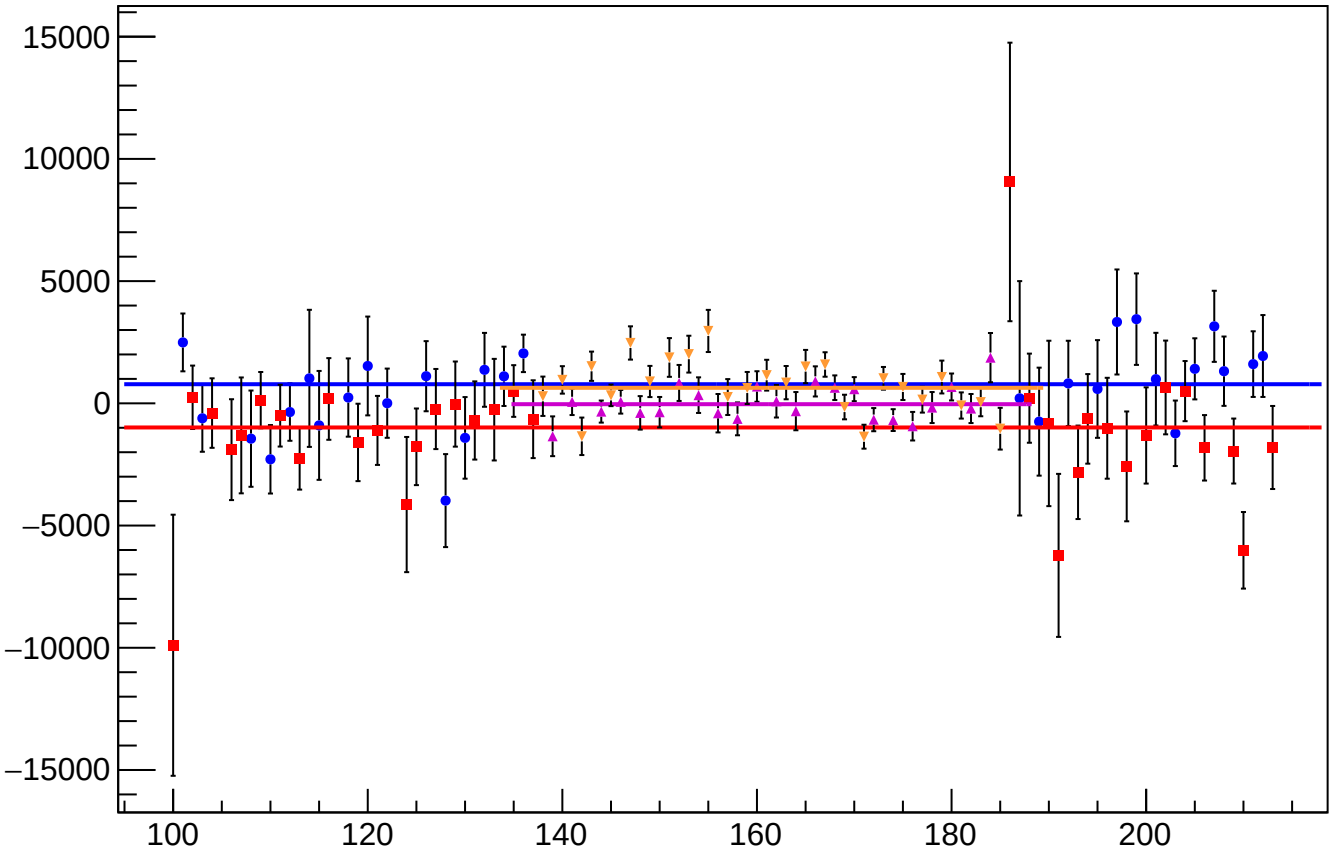
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1140.200+/-0.140 χ^2/NDF: 6384858.3/62

In: 610.387+/-0.079 χ^2/NDF:11709071.5/51

Out: 614.847+/-0.078 χ^2/NDF:13774326.8/58

All: 612.661+/-0.055 χ^2/NDF: 25485013.2/1



Right In: 782.397+/-279.161 χ^2/NDF: 32.4/28

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

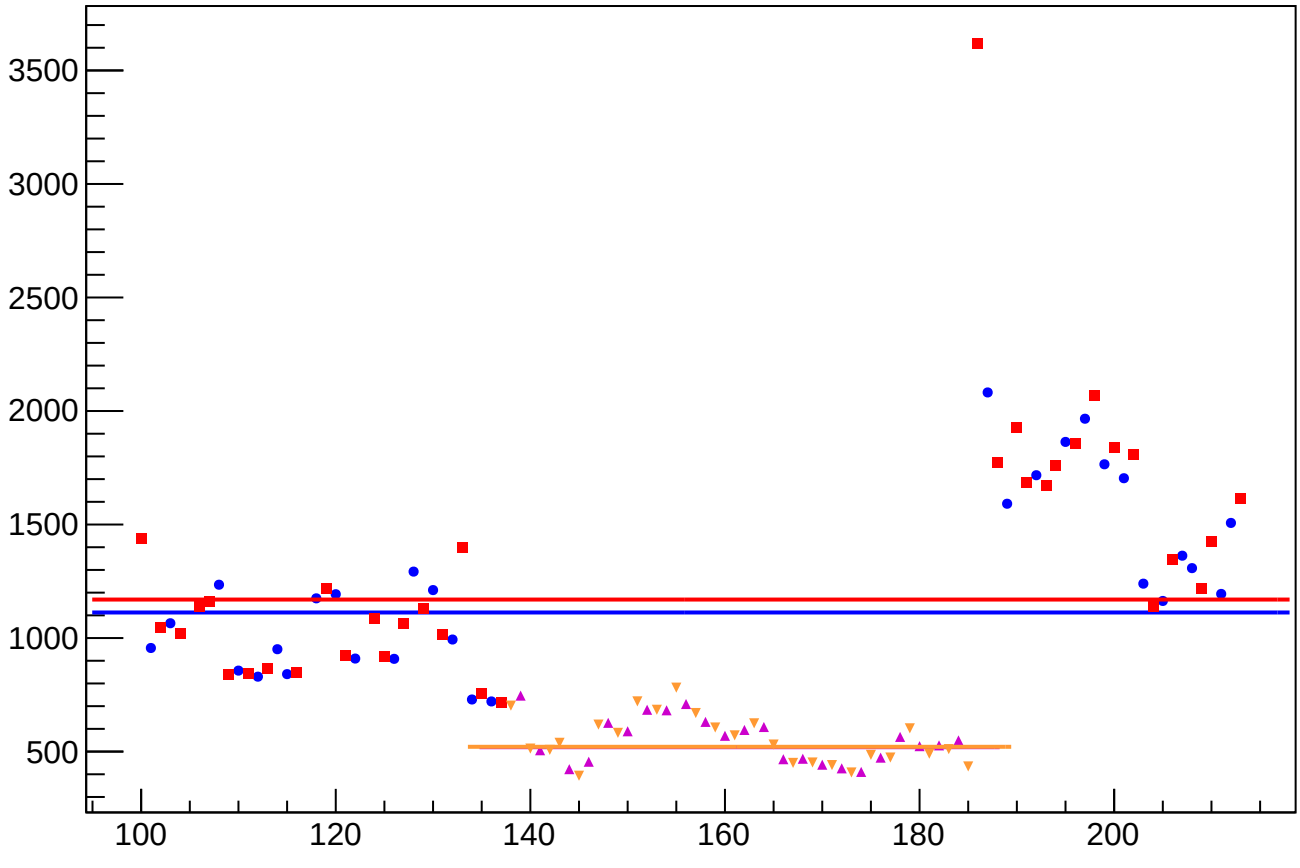
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -92.230+/-198.533 χ^2/NDF: 84.4/62

In: 98.984+/-112.955 χ^2/NDF:64.6/51

Out: 384.182+/-111.001 χ^2/NDF:124.6/58

All: 244.071+/-79.171 χ^2/NDF: 192.5/110



Right In: 1112.594+/-0.197 χ^2/NDF: 2801475.1/28

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

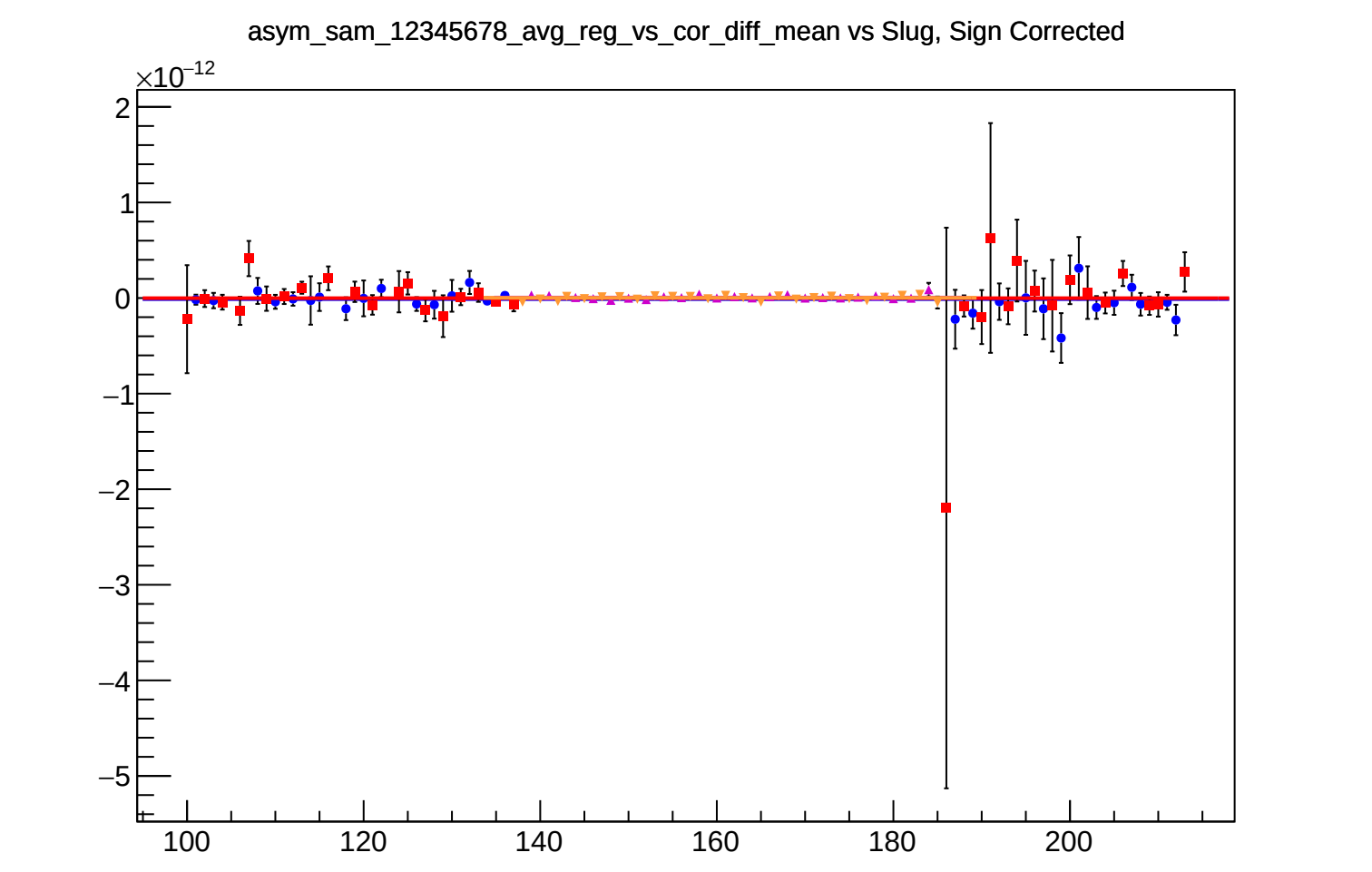
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1140.751+/-0.140 χ^2/NDF: 6321845.7/62

In: 616.382+/-0.080 χ^2/NDF:11458168.6/51

Out: 621.221+/-0.078 χ^2/NDF:13640454.8/58

All: 618.844+/-0.056 χ^2/NDF: 25100489.9/1



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/28

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

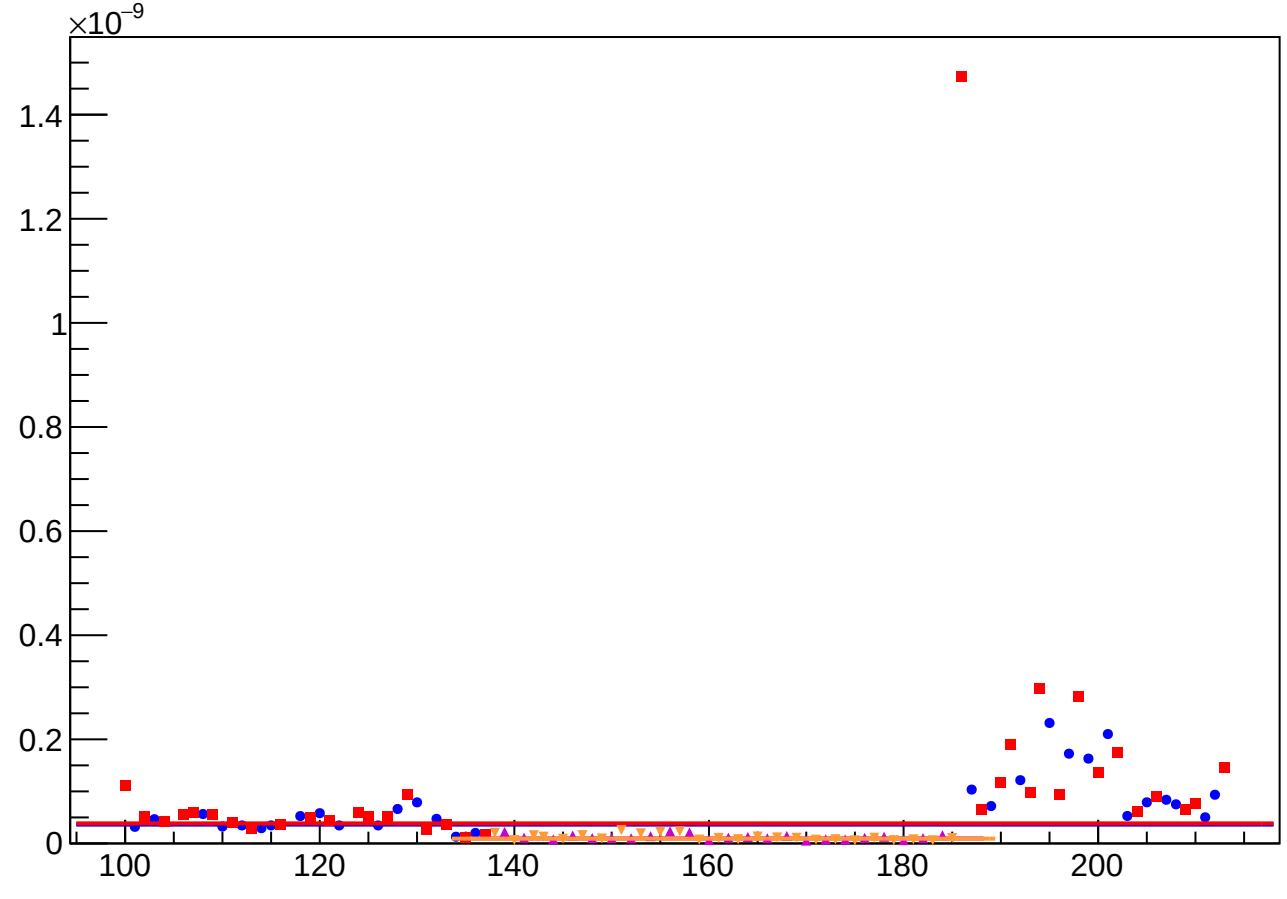
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 46.0/62

In: 0.000+/-0.000 χ^2/NDF:27.7/51

Out: 0.000+/-0.000 χ^2/NDF:52.4/58

All: 0.000+/-0.000 χ^2/NDF: 80.2/110



Right In: 0.000+/-0.000 χ^2/NDF: 5116126.2/28

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

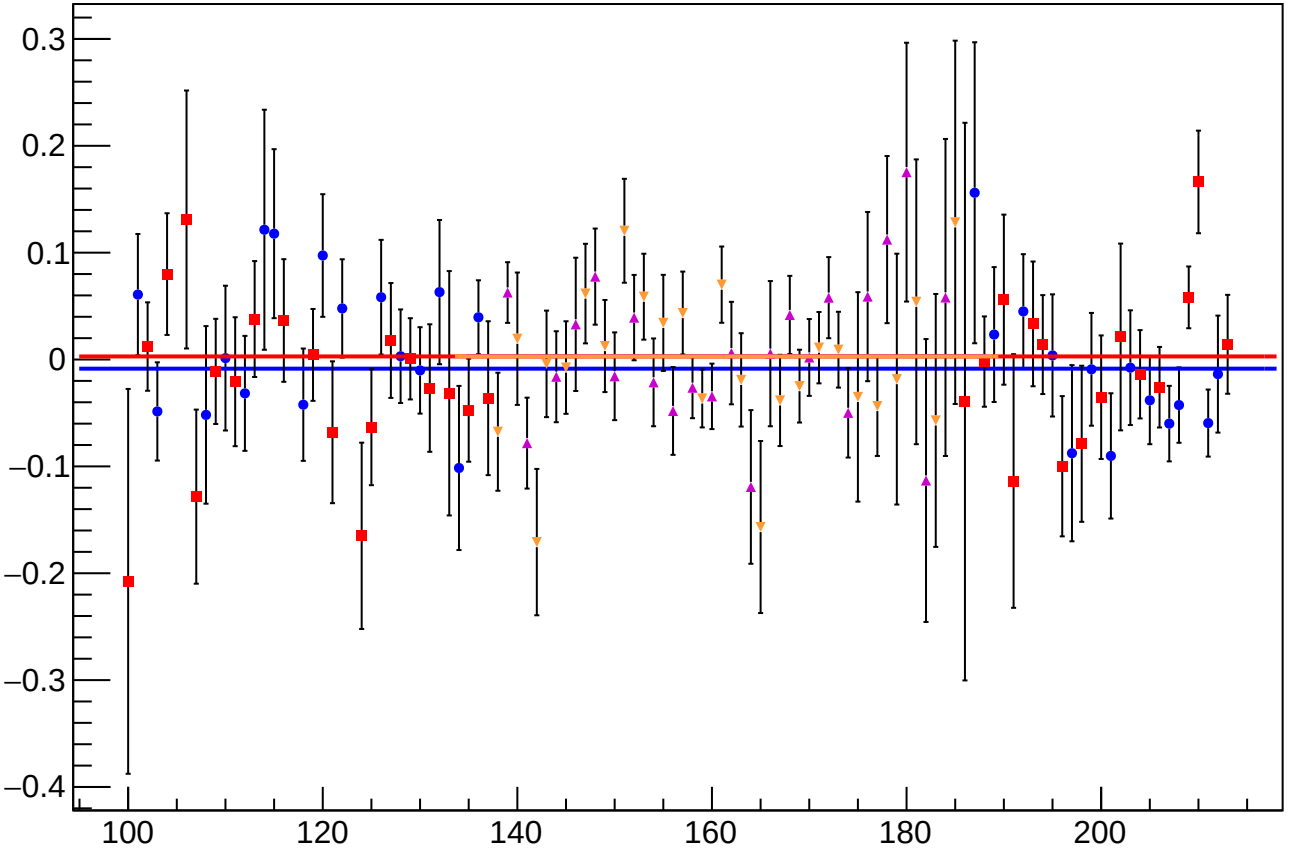
Right: 0.000+/-0.000 χ^2/NDF: 11677613.0/62

In: 0.000+/-0.000 χ^2/NDF:11748733.9/51

Out: 0.000+/-0.000 χ^2/NDF:13974148.8/58

All: 0.000+/-0.000 χ^2/NDF: 25747361.6/110

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.009 χ^2/NDF: 29.8/28

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

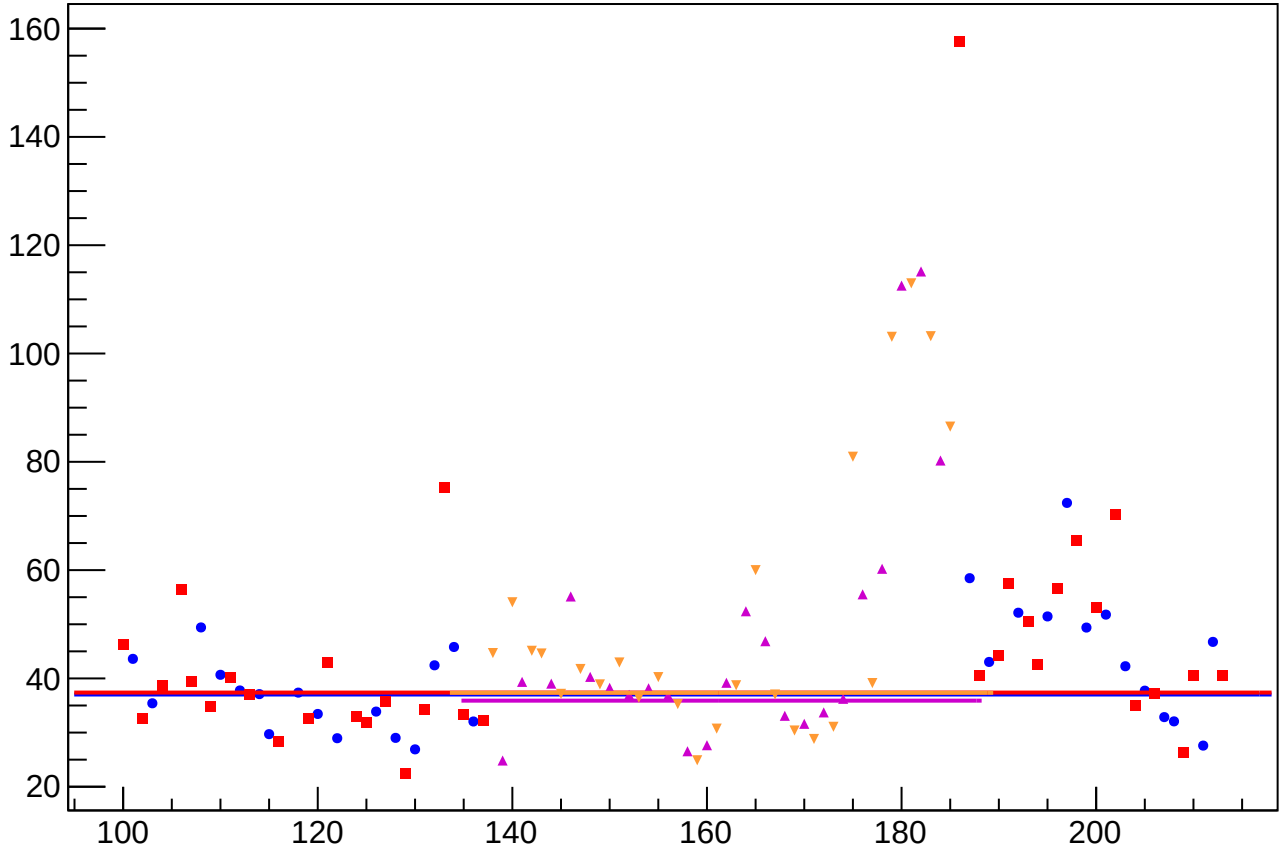
Right: -0.003+/-0.007 χ^2/NDF: 68.7/62

In: -0.002+/-0.007 χ^2/NDF:60.4/51

Out: 0.003+/-0.007 χ^2/NDF:71.0/58

All: 0.000+/-0.005 χ^2/NDF: 131.8/110

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.031+/-0.007 χ^2/NDF: 1732743.7/28

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

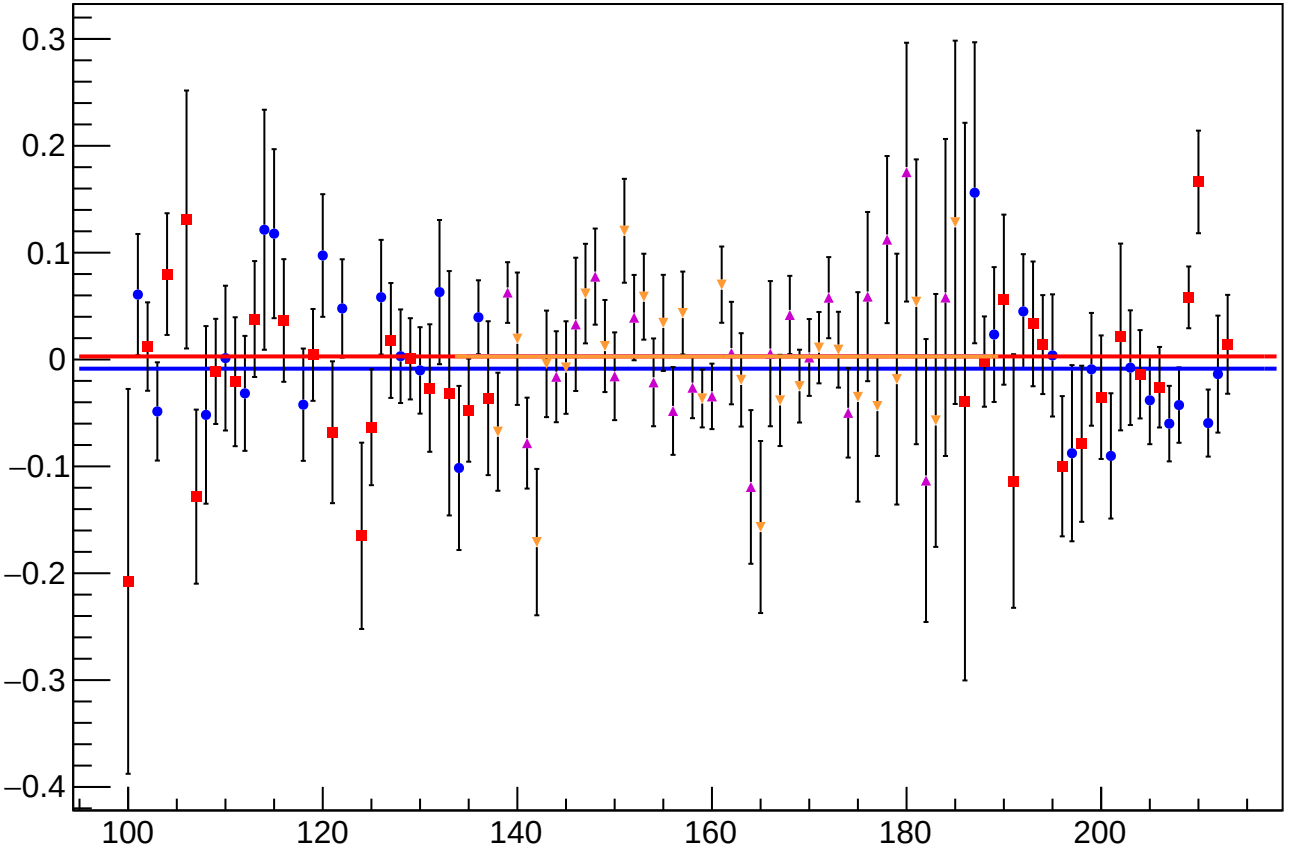
Right: 37.212+/-0.005 χ^2/NDF: 4355148.1/62

In: 36.446+/-0.005 χ^2/NDF:4885927.0/51

Out: 37.366+/-0.005 χ^2/NDF:6317618.7/58

All: 36.907+/-0.003 χ^2/NDF: 11223152.0/110

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.009 χ^2/NDF: 29.8/28

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

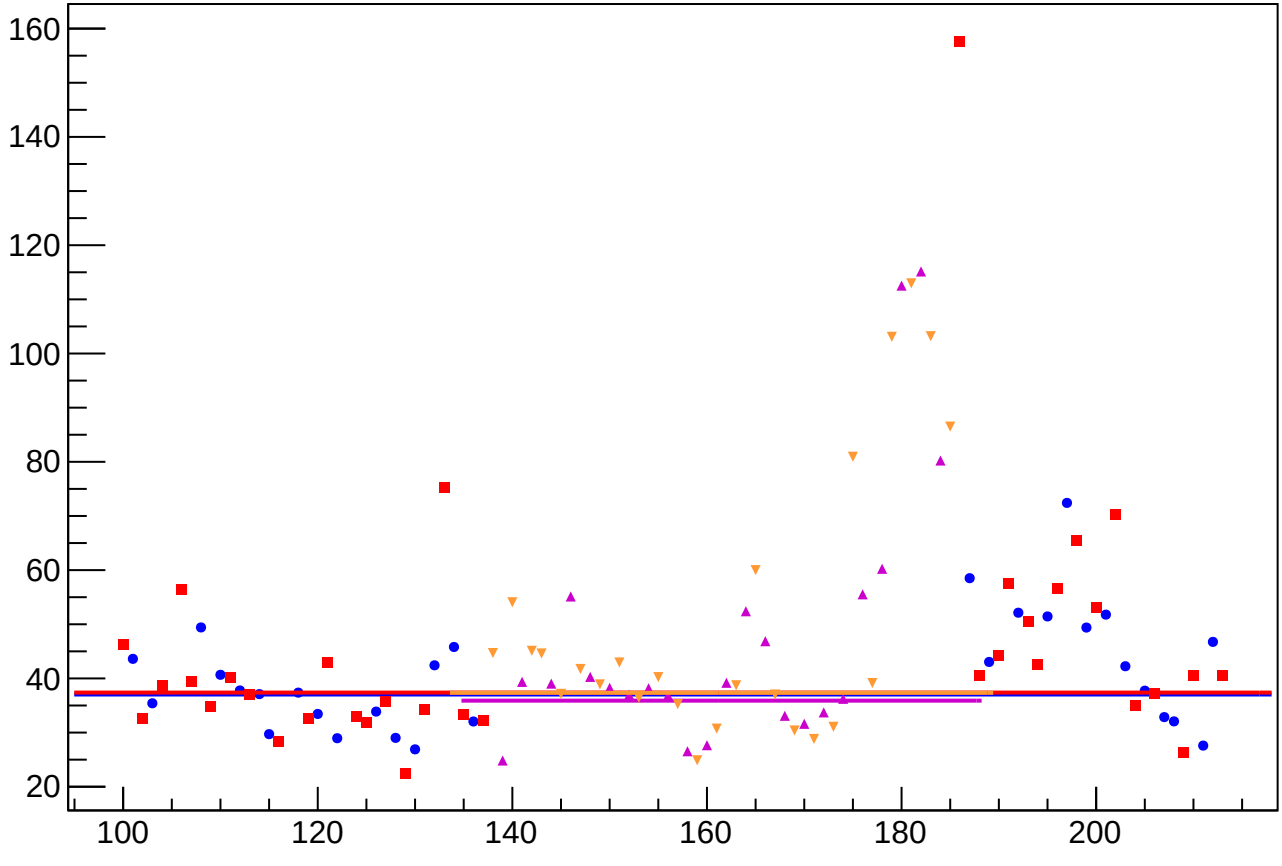
Right: -0.003+/-0.007 χ^2/NDF: 68.7/62

In: -0.002+/-0.007 χ^2/NDF:60.4/51

Out: 0.003+/-0.007 χ^2/NDF:71.0/58

All: 0.000+/-0.005 χ^2/NDF: 131.8/110

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.031+/-0.007 χ^2/NDF: 1732743.7/28

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

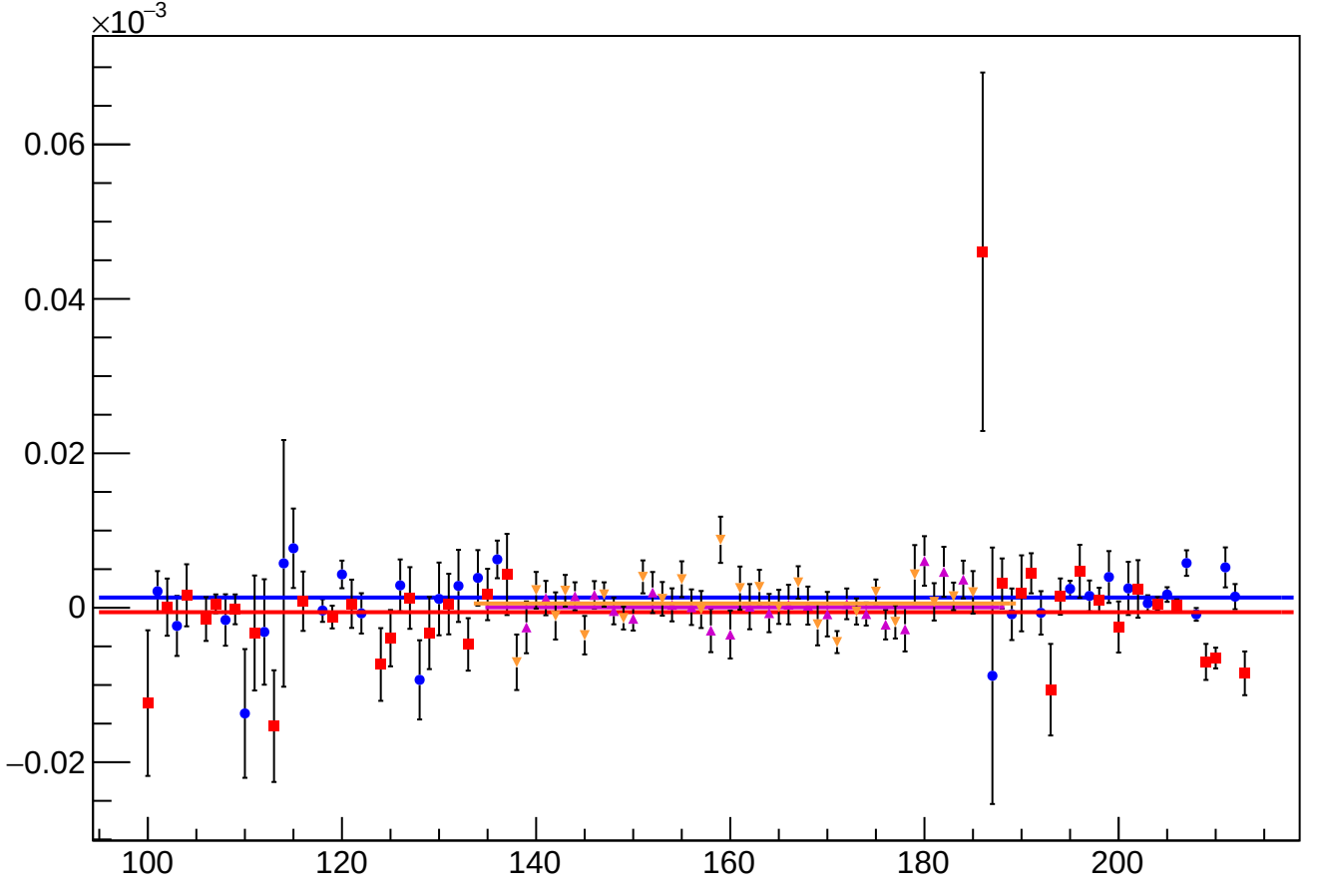
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 37.212+/-0.005 χ^2/NDF: 4355148.1/62

In: 36.446+/-0.005 χ^2/NDF:4885927.0/51

Out: 37.366+/-0.005 χ^2/NDF:6317618.7/58

All: 36.907+/-0.003 χ^2/NDF: 11223152.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 41.4/28

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

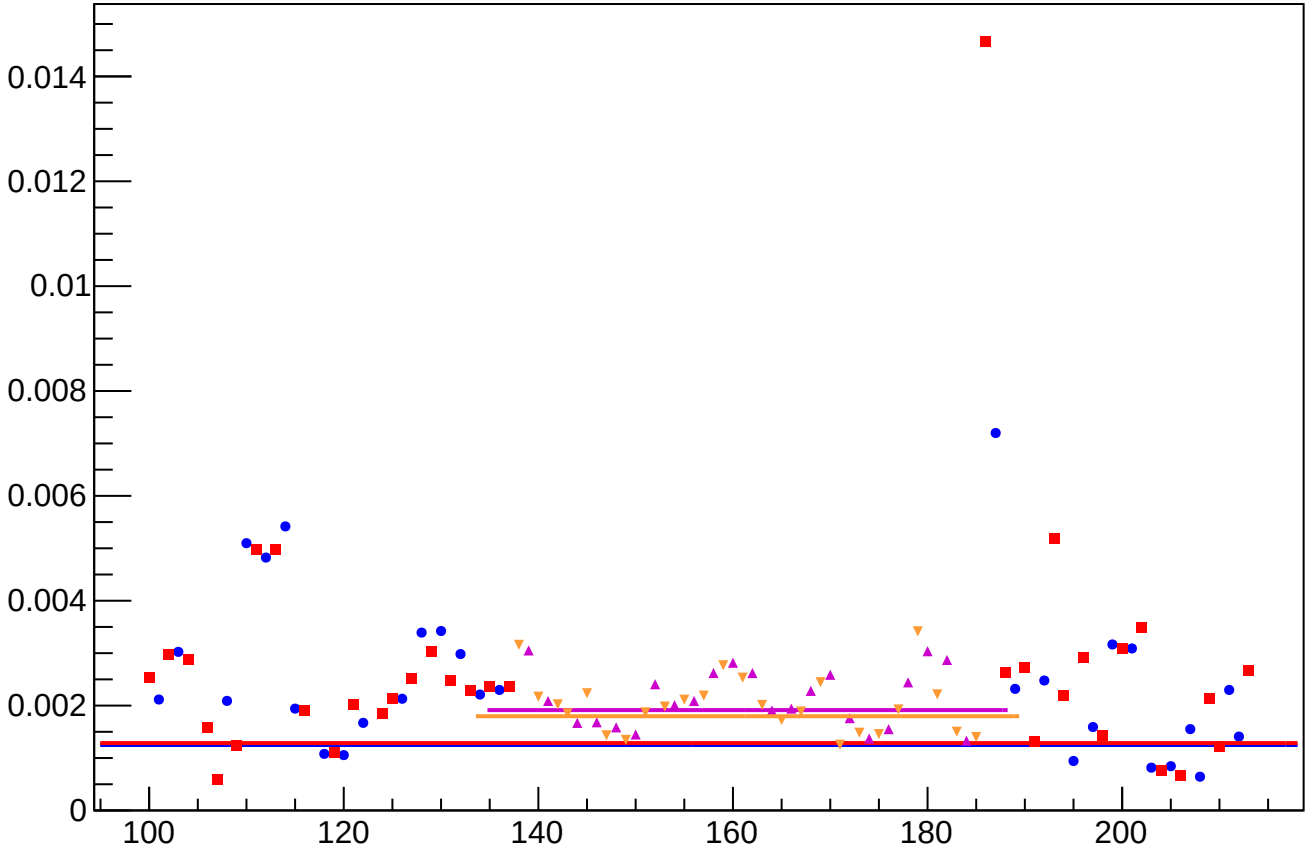
Right: 0.000+/-0.000 χ^2/NDF: 124.4/62

In: 0.000+/-0.000 χ^2/NDF:63.0/51

Out: -0.000+/-0.000 χ^2/NDF:116.9/58

All: 0.000+/-0.000 χ^2/NDF: 185.6/110

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8217044.9/28

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

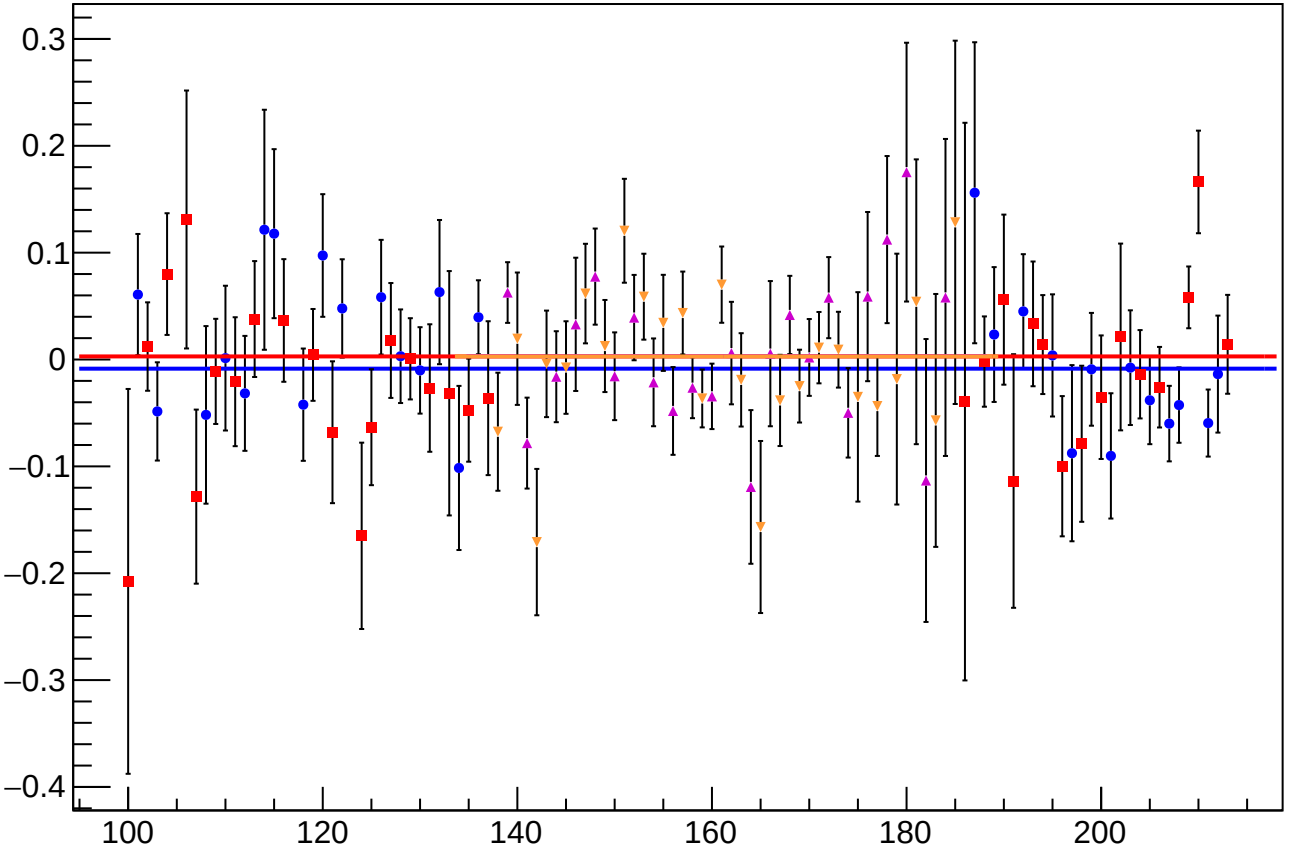
Right: 0.001+/-0.000 χ^2/NDF: 19106297.1/62

In: 0.001+/-0.000 χ^2/NDF:12951163.8/51

Out: 0.002+/-0.000 χ^2/NDF:14833947.3/58

All: 0.002+/-0.000 χ^2/NDF: 27785453.0/110

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.009 χ^2/NDF: 29.8/28

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

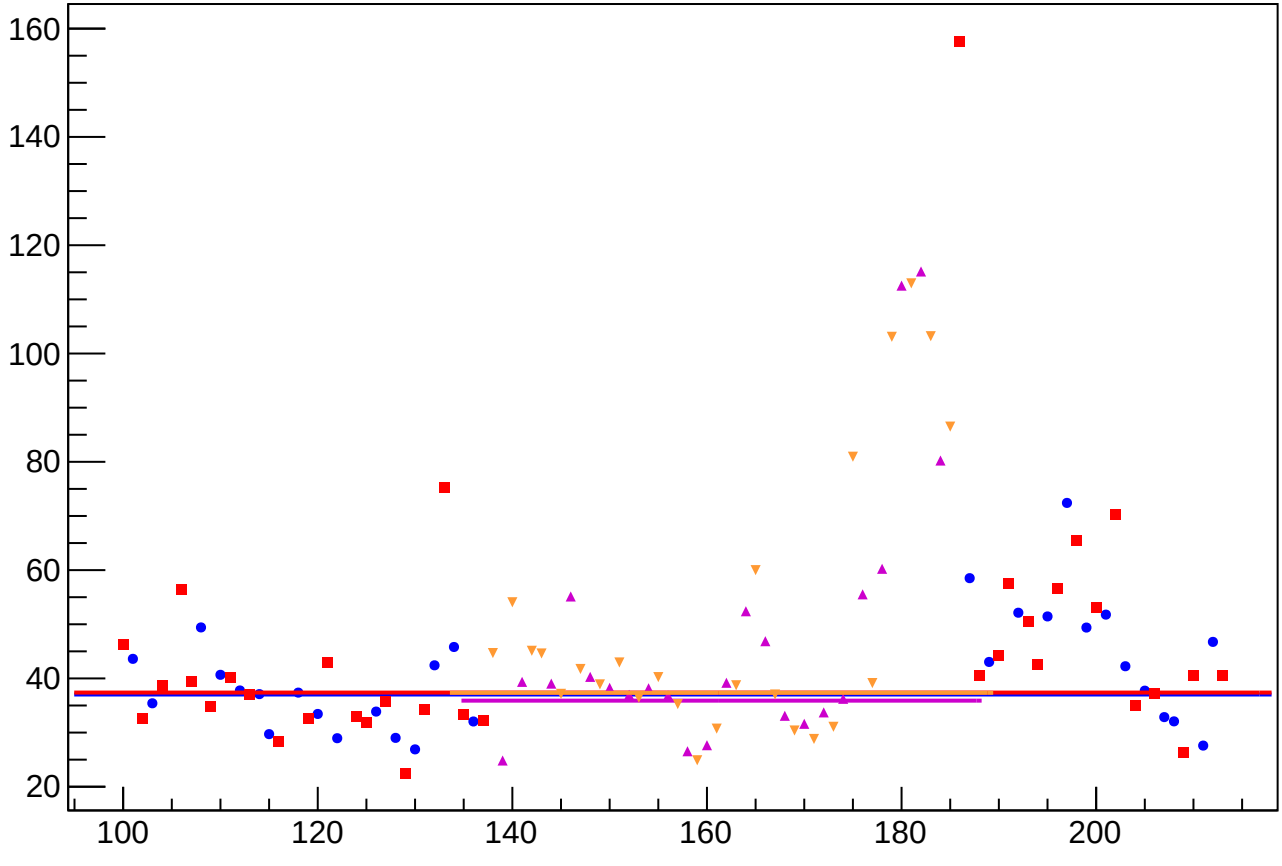
Right: -0.003+/-0.007 χ^2/NDF: 68.7/62

In: -0.002+/-0.007 χ^2/NDF:60.4/51

Out: 0.003+/-0.007 χ^2/NDF:71.0/58

All: 0.000+/-0.005 χ^2/NDF: 131.8/110

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.031+/-0.007 χ^2/NDF: 1732779.8/28

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

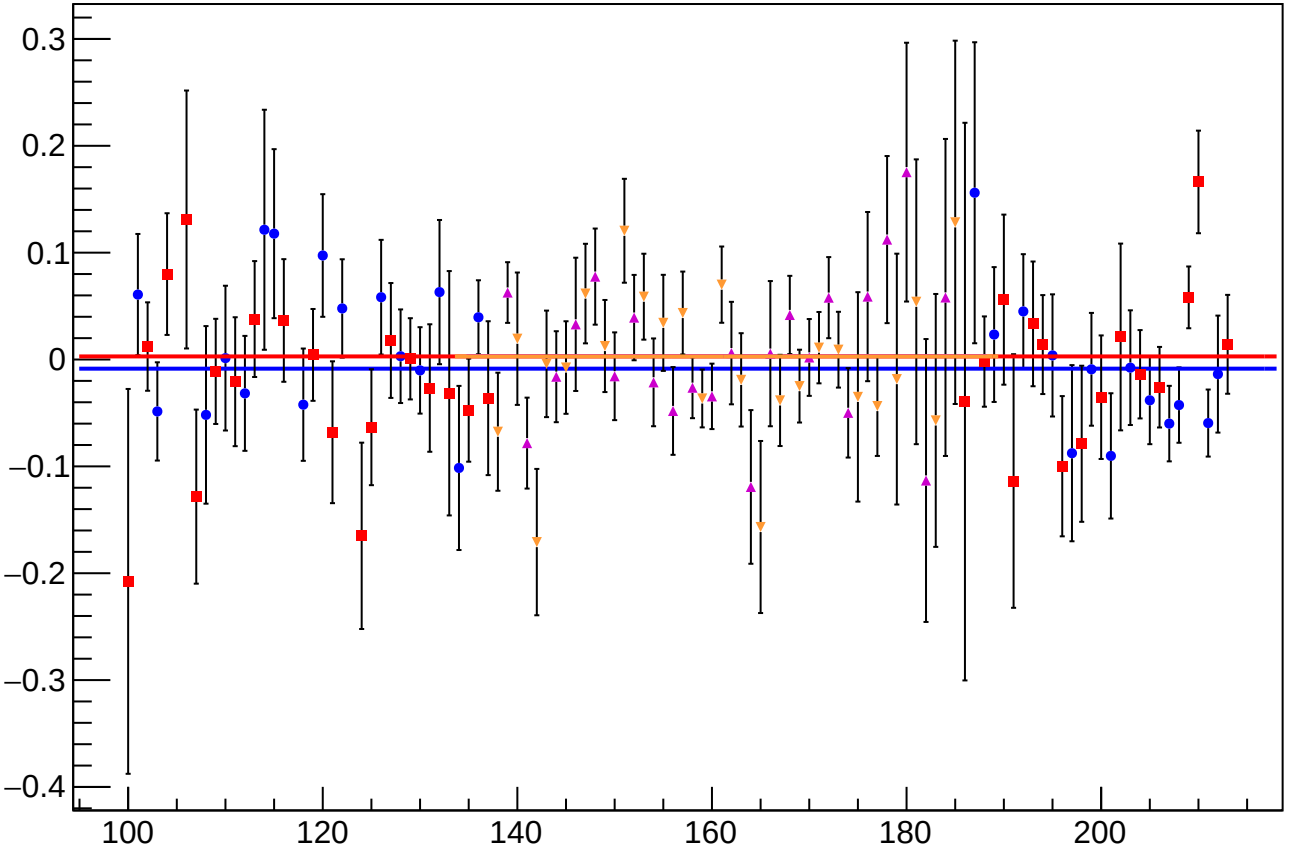
Right: 37.212+/-0.005 χ^2/NDF: 4355261.4/62

In: 36.446+/-0.005 χ^2/NDF:4885961.3/51

Out: 37.366+/-0.005 χ^2/NDF:6317745.2/58

All: 36.907+/-0.003 χ^2/NDF: 11223310.9/110

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.009 χ^2/NDF: 29.8/28

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

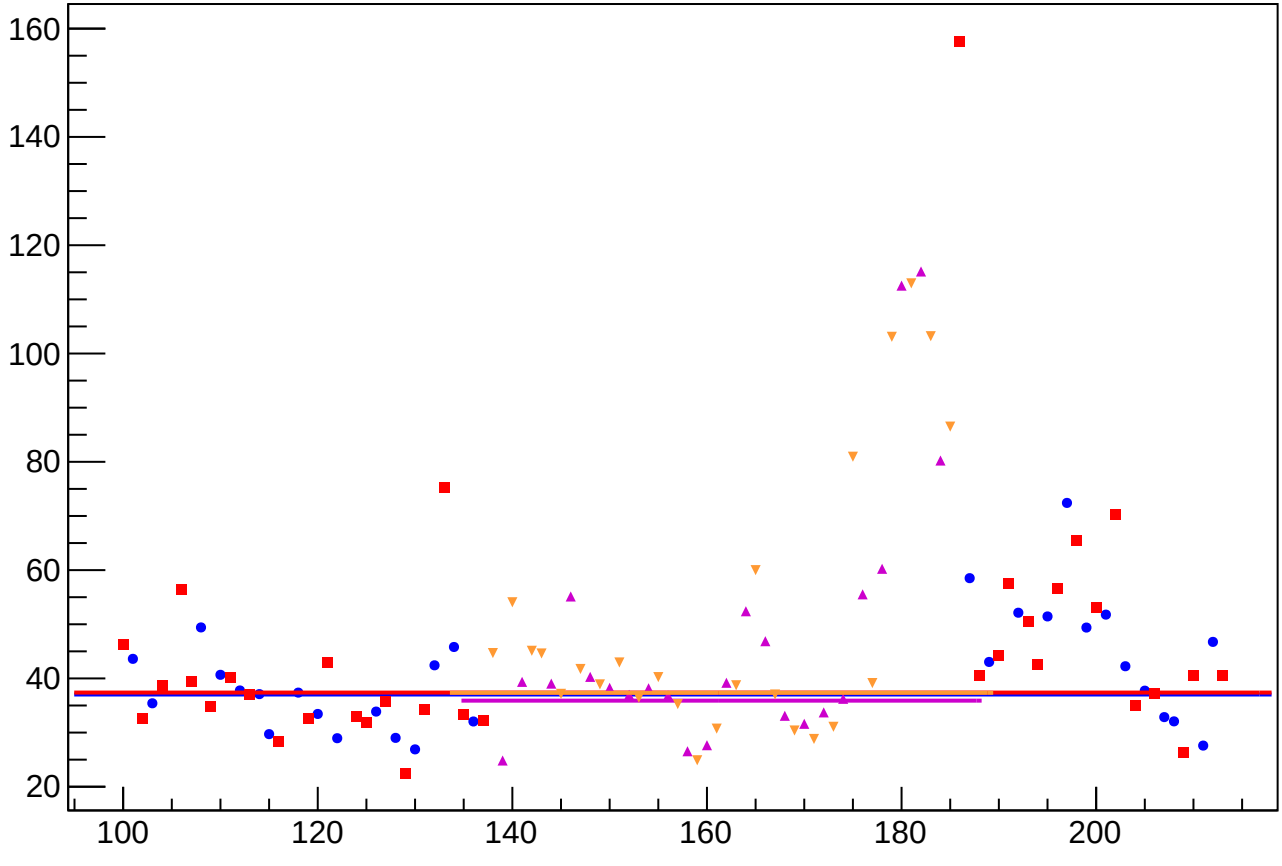
Right: -0.003+/-0.007 χ^2/NDF: 68.7/62

In: -0.002+/-0.007 χ^2/NDF:60.4/51

Out: 0.003+/-0.007 χ^2/NDF:71.0/58

All: 0.000+/-0.005 χ^2/NDF: 131.8/110

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.031+/-0.007 χ^2/NDF: 1732779.8/28

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

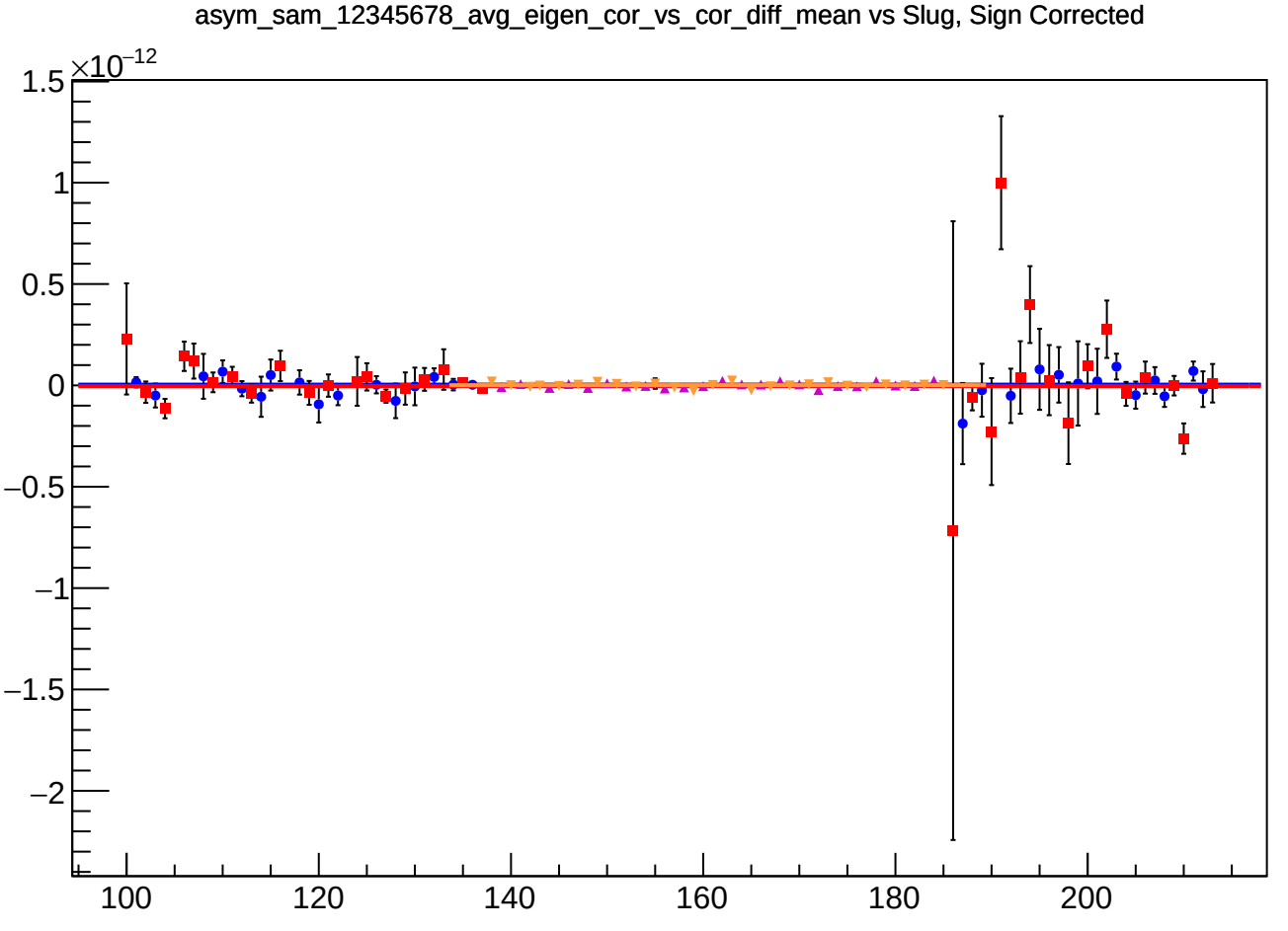
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 37.212+/-0.005 χ^2/NDF: 4355261.4/62

In: 36.446+/-0.005 χ^2/NDF:4885961.3/51

Out: 37.366+/-0.005 χ^2/NDF:6317745.2/58

All: 36.907+/-0.003 χ^2/NDF: 11223310.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/28

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

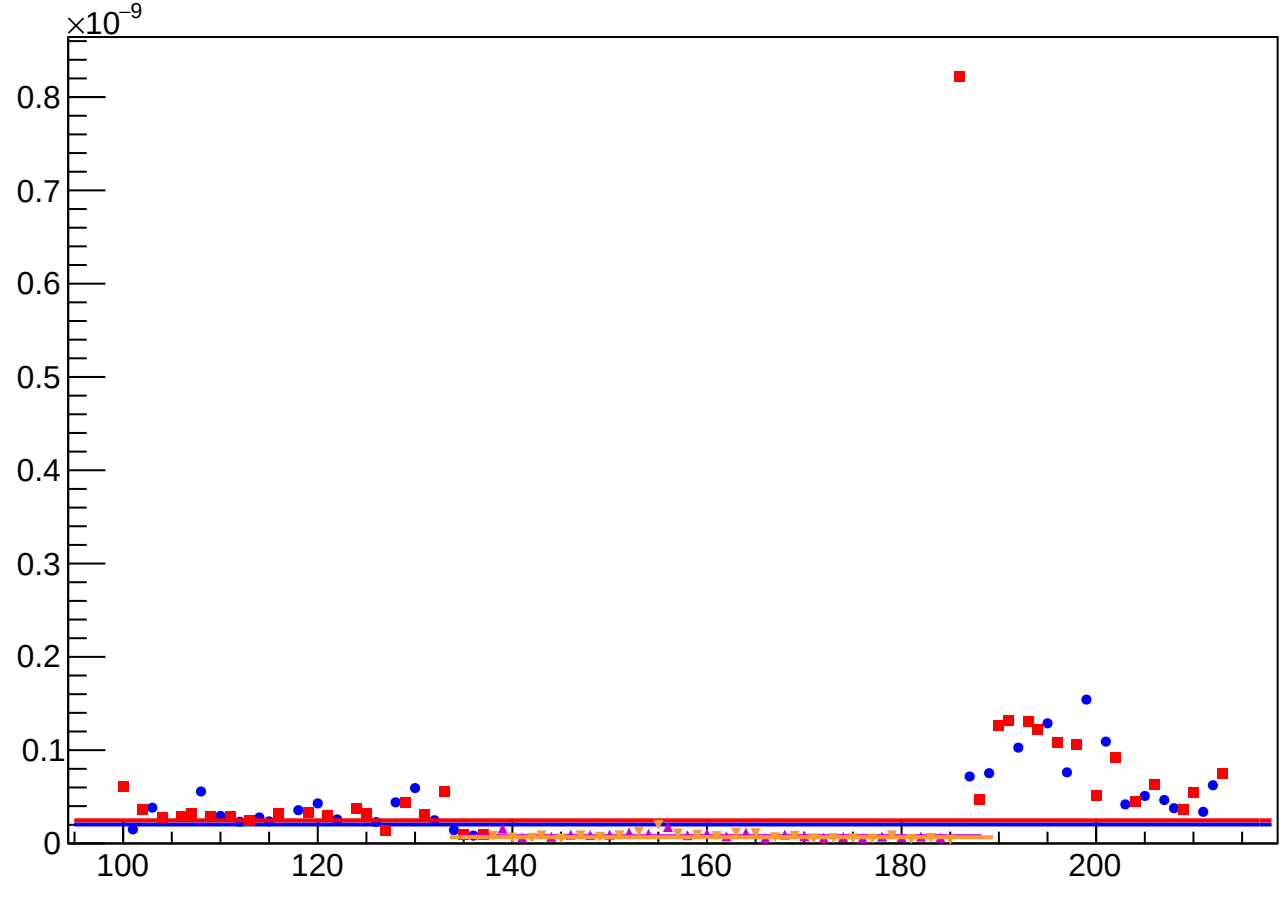
Right: 0.000+/-0.000 χ^2/NDF: 70.9/62

In: 0.000+/-0.000 χ^2/NDF:44.4/51

Out: 0.000+/-0.000 χ^2/NDF:77.1/58

All: 0.000+/-0.000 χ^2/NDF: 121.4/110

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8737977.5/28

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

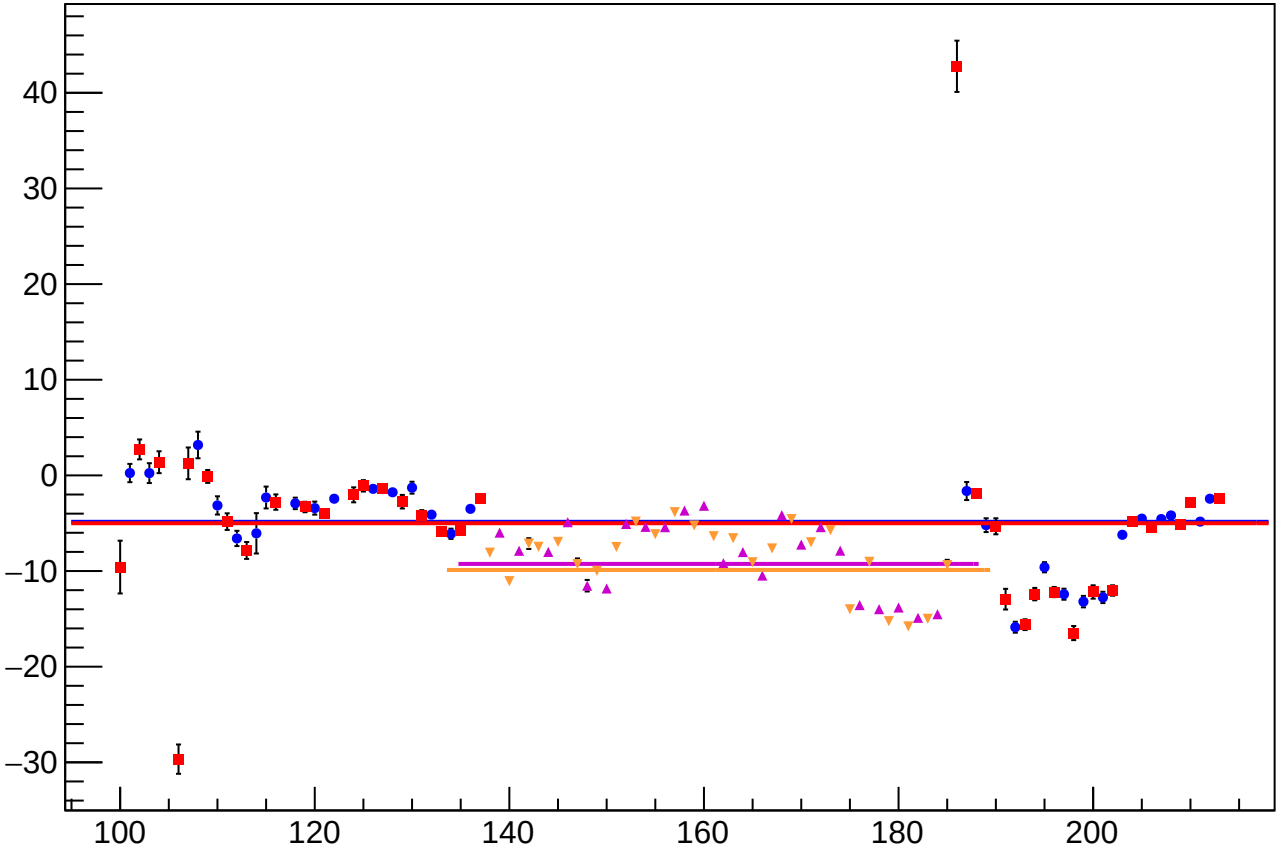
Right: 0.000+/-0.000 χ^2/NDF: 17612605.0/62

In: 0.000+/-0.000 χ^2/NDF:14730866.0/51

Out: 0.000+/-0.000 χ^2/NDF:17874260.5/58

All: 0.000+/-0.000 χ^2/NDF: 32929775.6/110

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.853+/-0.093 χ^2/NDF: 1360.4/28

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

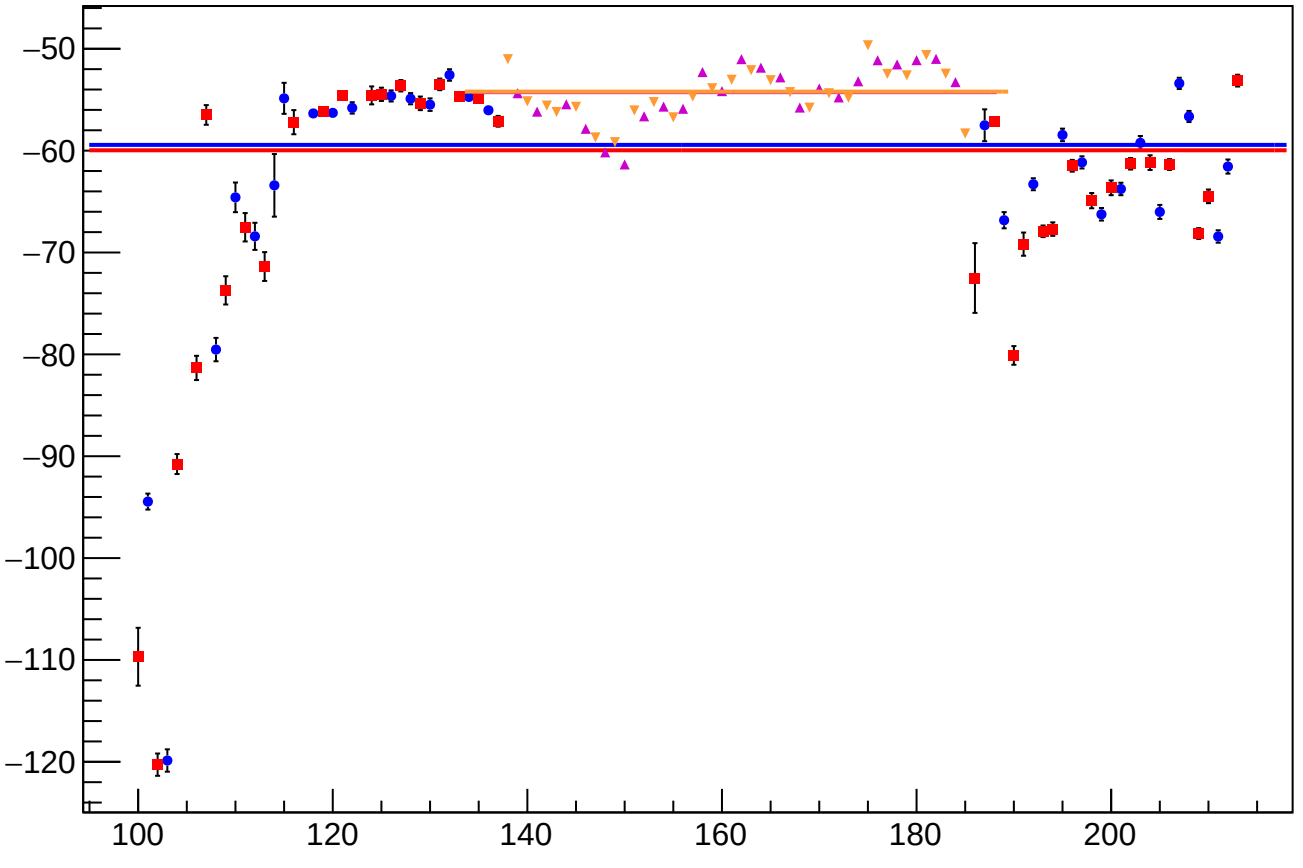
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -4.929+/-0.065 χ^2/NDF: 3744.1/62

In: -7.620+/-0.057 χ^2/NDF:5830.5/51

Out: -8.070+/-0.055 χ^2/NDF:7424.6/58

All: -7.852+/-0.040 χ^2/NDF: 13287.5/110



Right In: -59.435+/-0.108 χ^2/NDF: 6988.2/28

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

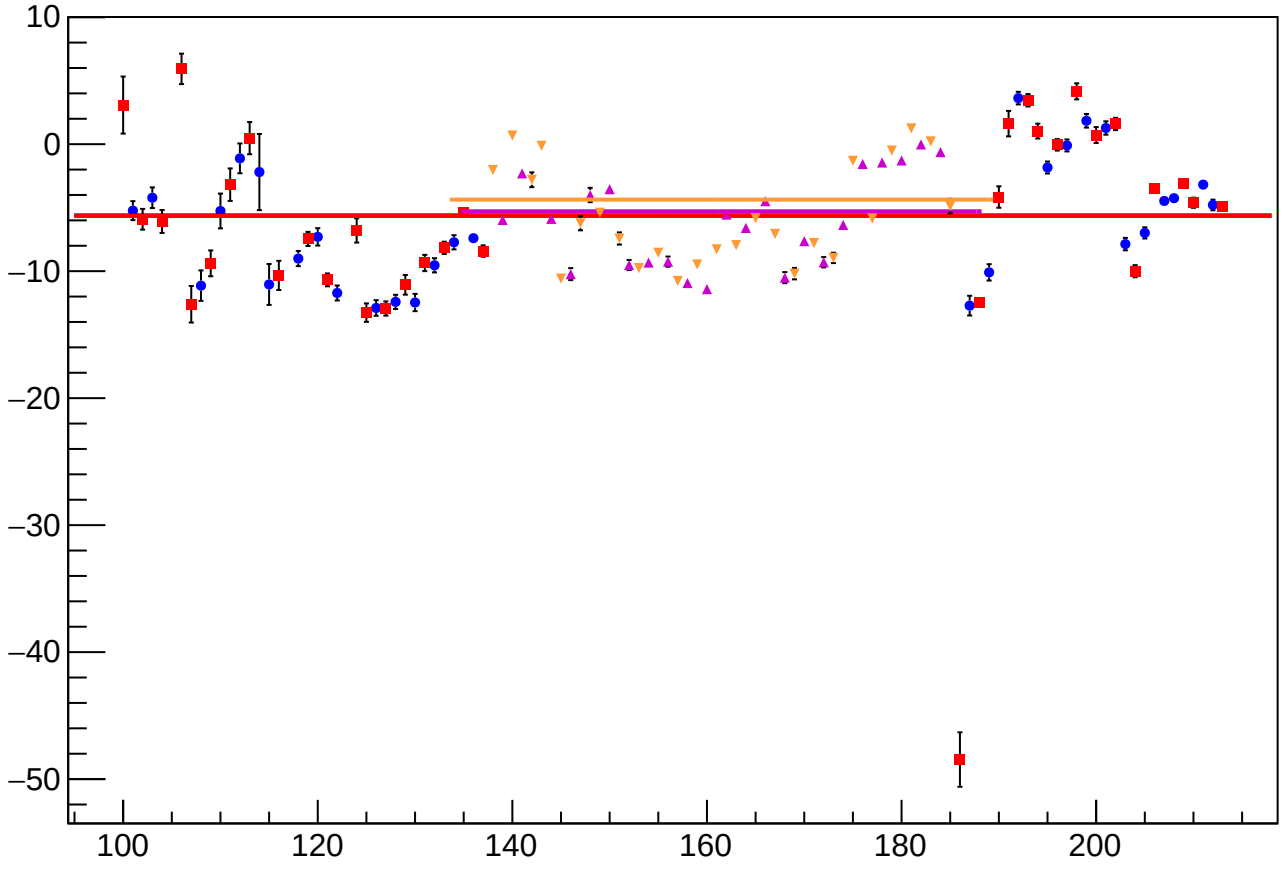
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.703+/-0.076 χ^2/NDF: 14480.9/62

In: -55.426+/-0.051 χ^2/NDF:11258.0/51

Out: -55.445+/-0.049 χ^2/NDF:11627.0/58

All: -55.436+/-0.036 χ^2/NDF: 22885.1/110



Right In: -5.607+/-0.093 χ^2/NDF: 1875.2/28

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

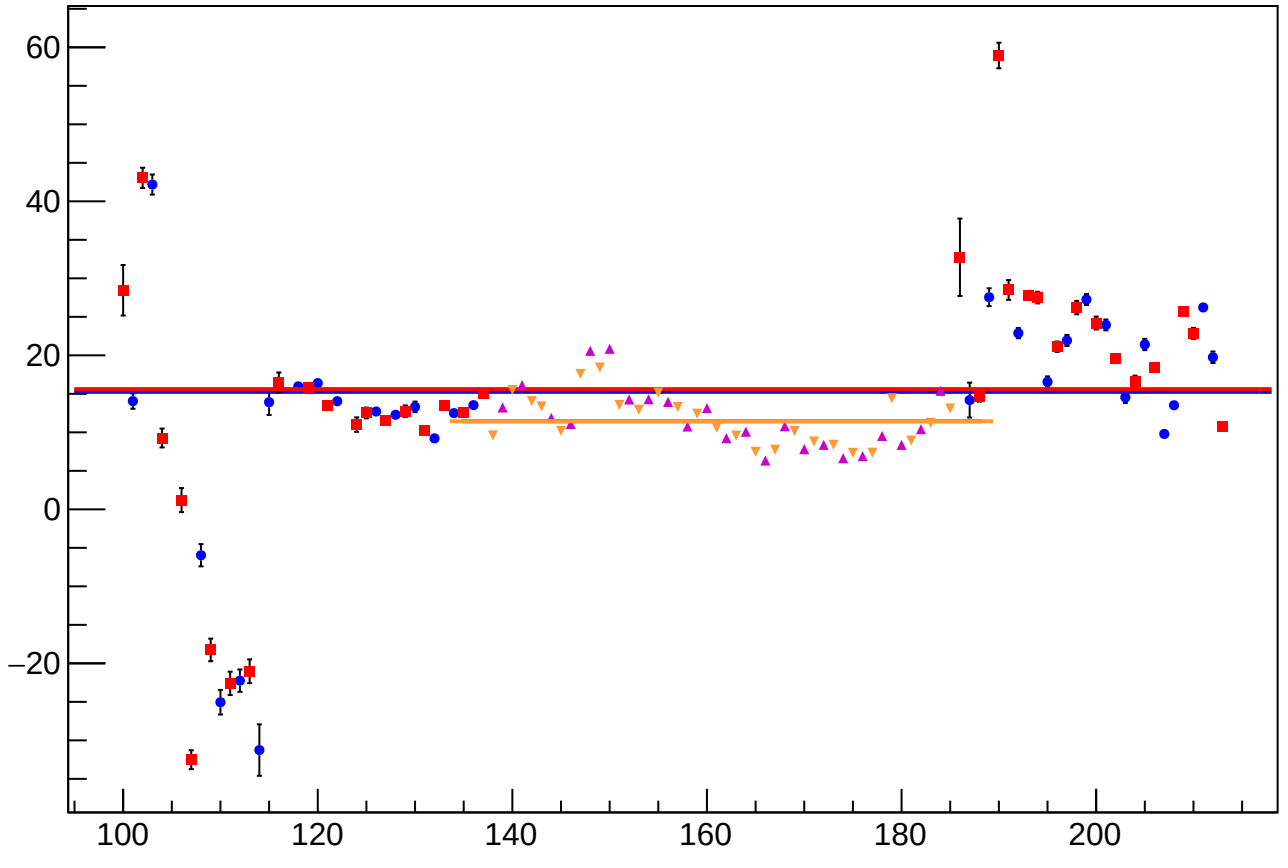
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.629+/-0.065 χ^2/NDF: 5148.7/62

In: -5.402+/-0.057 χ^2/NDF:4633.0/51

Out: -4.840+/-0.055 χ^2/NDF:7101.7/58

All: -5.113+/-0.039 χ^2/NDF: 11785.3/110



Right In: 15.261+/-0.120 χ^2/NDF: 3642.4/28

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

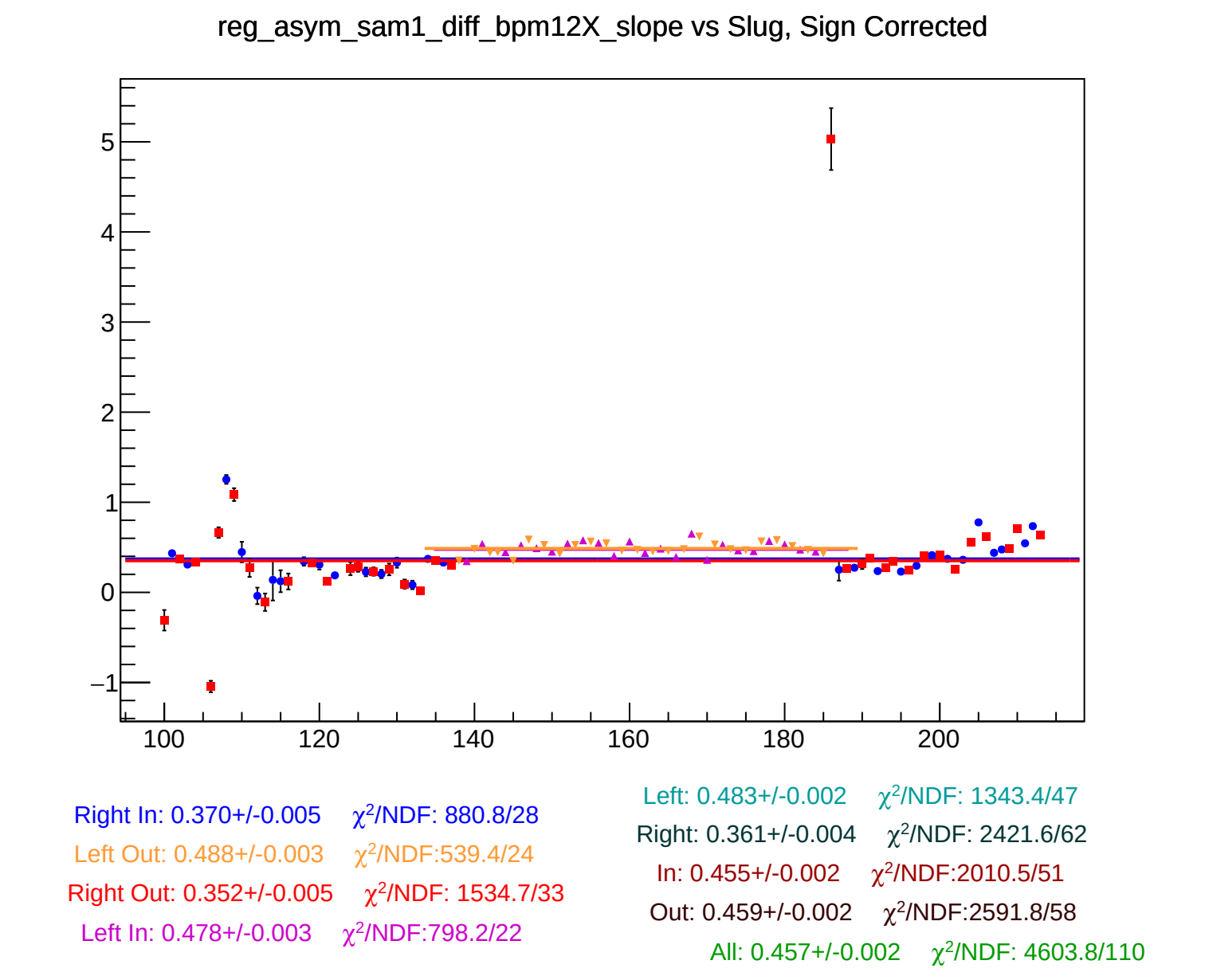
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

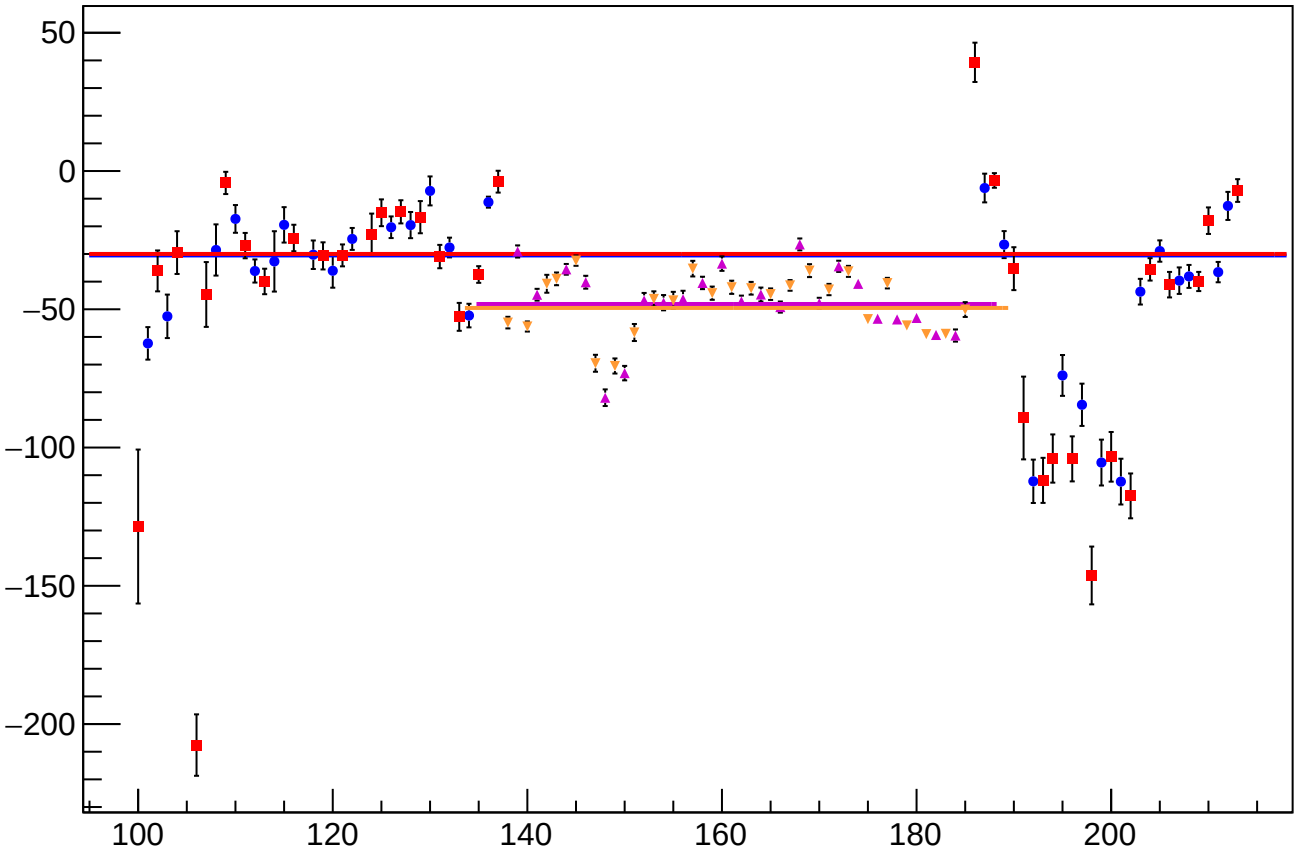
Right: 15.435+/-0.085 χ^2/NDF: 10043.2/62

In: 12.287+/-0.057 χ^2/NDF:7785.1/51

Out: 12.309+/-0.055 χ^2/NDF:9778.0/58

All: 12.299+/-0.040 χ^2/NDF: 17563.2/110


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: 0.370+/-0.005 χ²/NDF: 880.8/28
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: 0.361+/-0.004 χ²/NDF: 2421.6/62
In: 0.455+/-0.002 χ²/NDF:2010.5/51
Out: 0.459+/-0.002 χ²/NDF:2591.8/58
All: 0.457+/-0.002 χ²/NDF: 4603.8/110



Right In: -30.523+/-0.866 χ^2/NDF: 629.8/28

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

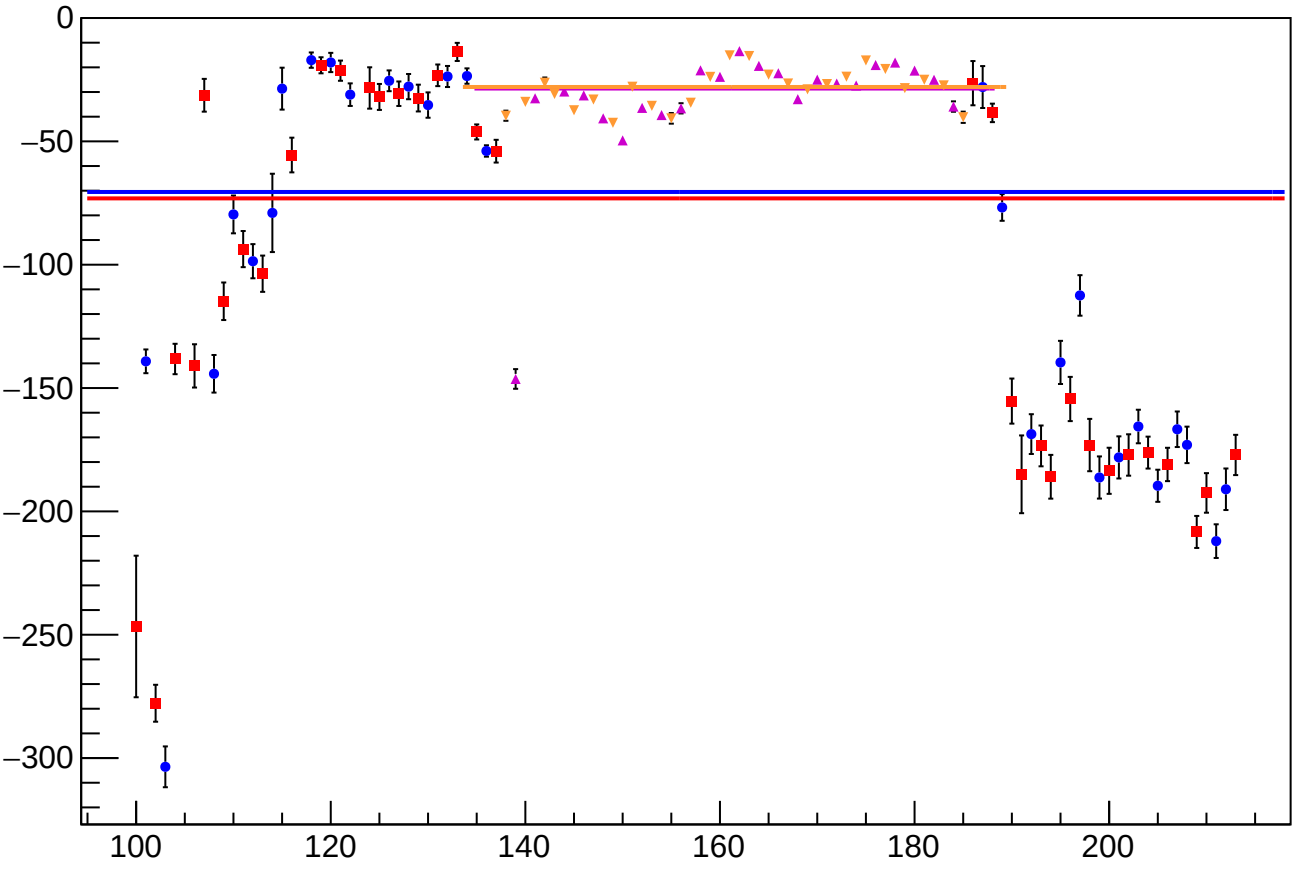
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -30.257+/-0.612 χ^2/NDF: 1875.3/62

In: -44.759+/-0.377 χ^2/NDF:1669.7/51

Out: -46.053+/-0.365 χ^2/NDF:2239.3/58

All: -45.426+/-0.262 χ^2/NDF: 3915.1/110



Right In: -70.517+/-0.970 χ^2/NDF: 4454.8/28

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

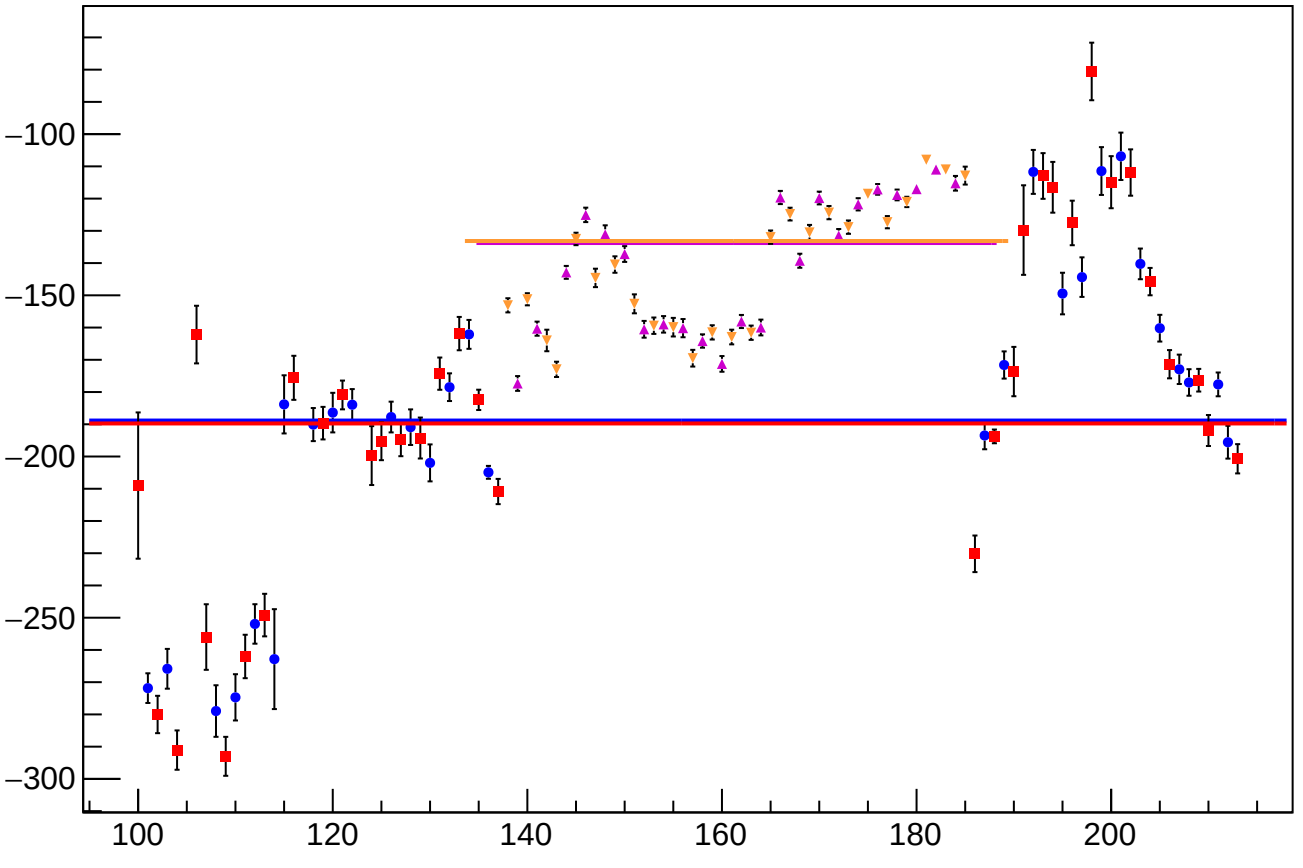
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -71.773+/-0.698 χ^2/NDF: 8998.3/62

In: -33.024+/-0.315 χ^2/NDF:7605.0/51

Out: -32.138+/-0.306 χ^2/NDF:6869.0/58

All: -32.568+/-0.220 χ^2/NDF: 14478.1/110



Right In: -188.847+/-0.890 χ^2/NDF: 1645.3/28

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

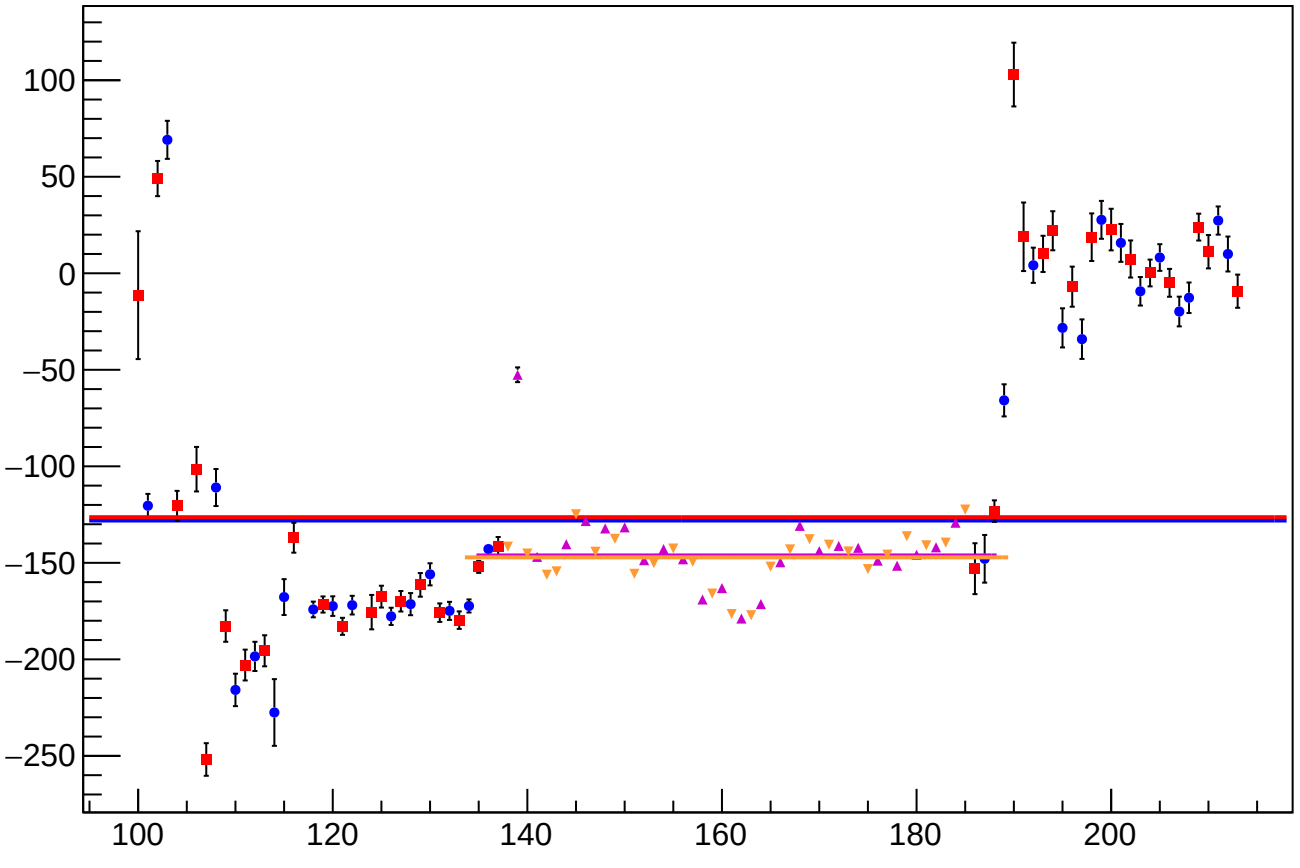
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -189.298+/-0.629 χ^2/NDF: 3650.8/62

In: -143.684+/-0.378 χ^2/NDF:7223.8/51

Out: -142.823+/-0.367 χ^2/NDF:7906.0/58

All: -143.241+/-0.263 χ^2/NDF: 15132.5/110



Right In: -128.069+/-1.090 χ^2/NDF: 4113.3/28

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

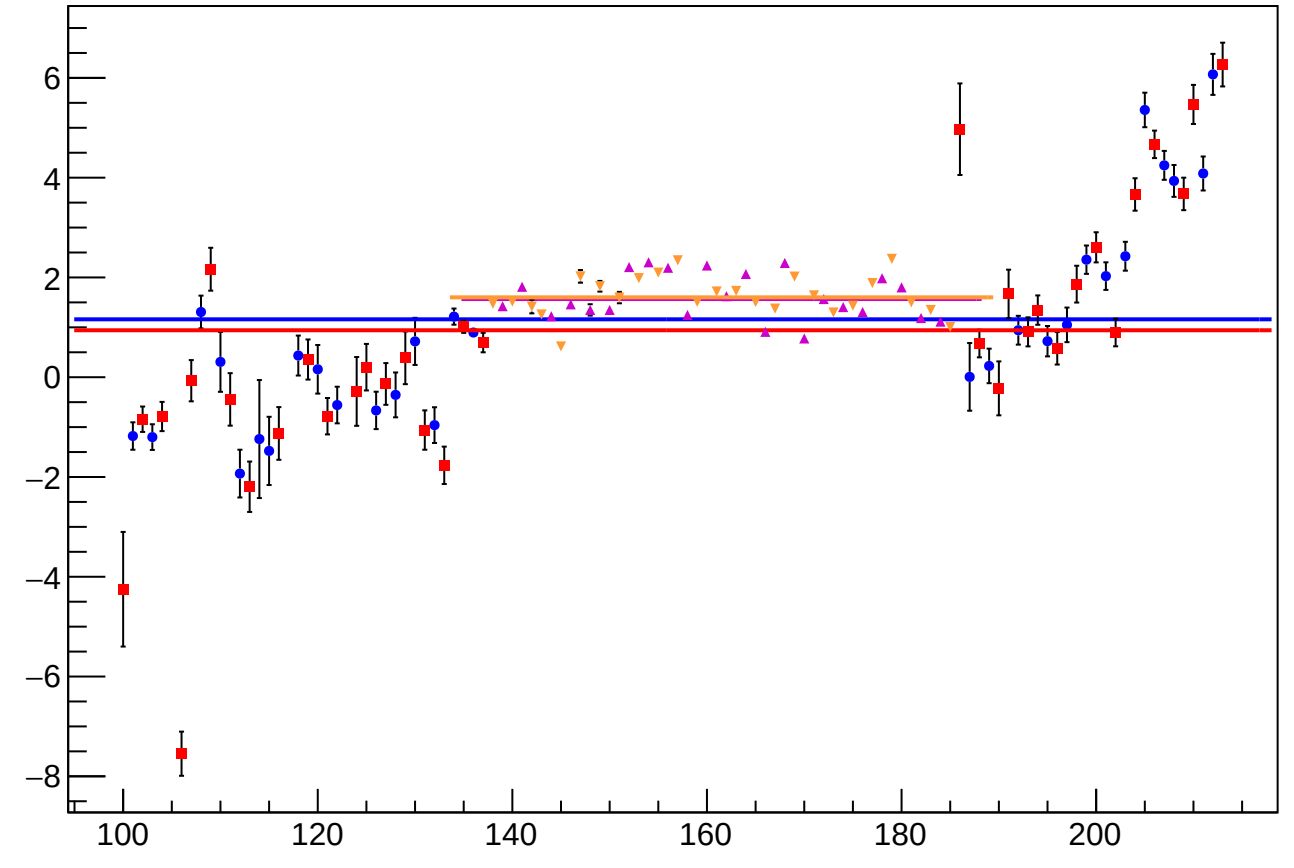
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

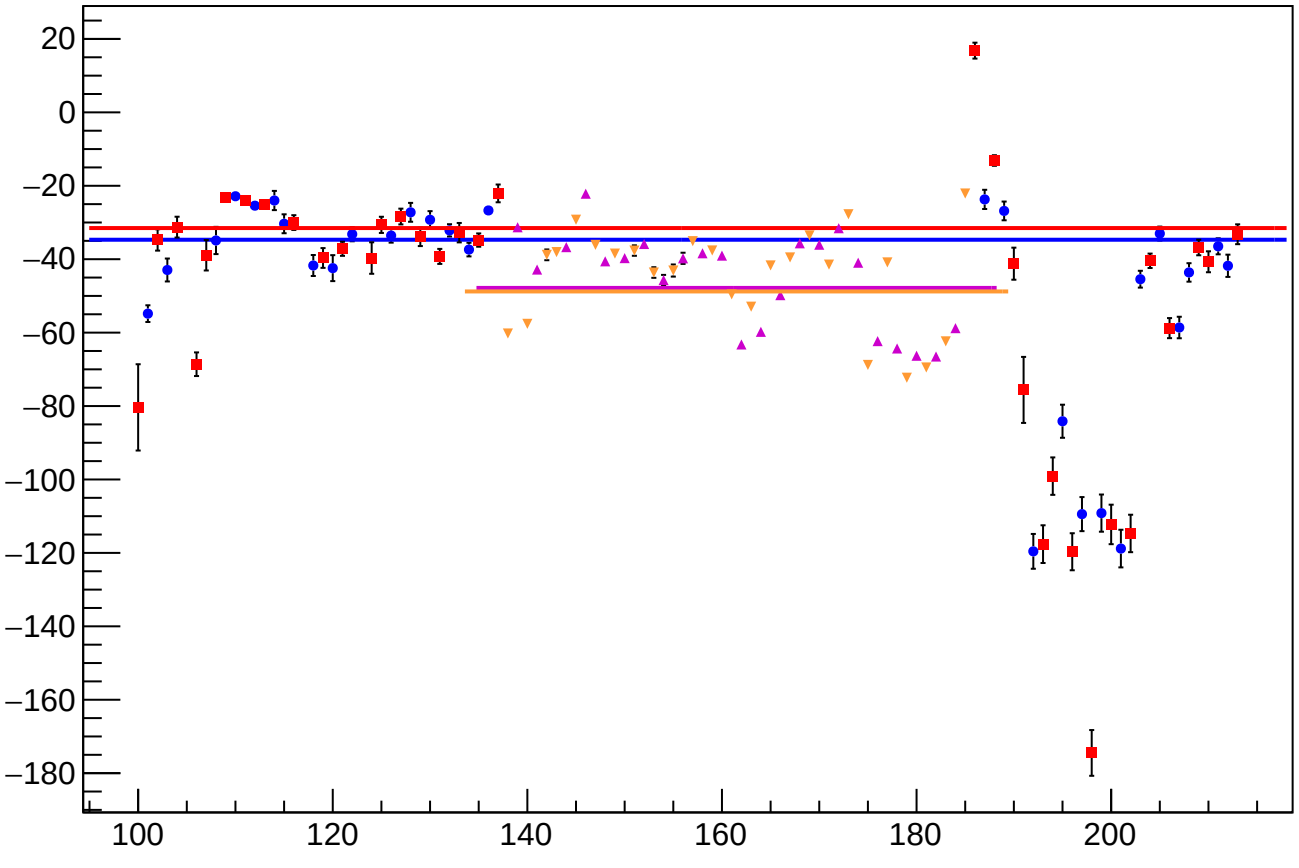
Right: -127.259+/-0.790 χ^2/NDF: 8594.3/62

In: -144.297+/-0.351 χ^2/NDF:6154.4/51

Out: -145.321+/-0.342 χ^2/NDF:6025.1/58

All: -144.822+/-0.245 χ^2/NDF: 12183.8/110


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 1.161+/-0.053 χ²/NDF: 939.9/28
Left Out: 1.601+/-0.016 χ²/NDF:581.8/24
Right Out: 0.941+/-0.056 χ²/NDF: 1335.7/33
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 1.057+/-0.038 χ²/NDF: 2283.8/62
In: 1.531+/-0.016 χ²/NDF:1729.6/51
Out: 1.551+/-0.015 χ²/NDF:2046.7/58
All: 1.541+/-0.011 χ²/NDF: 3777.1/110



Right In: -34.697+/-0.403 χ^2/NDF: 1661.4/28

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

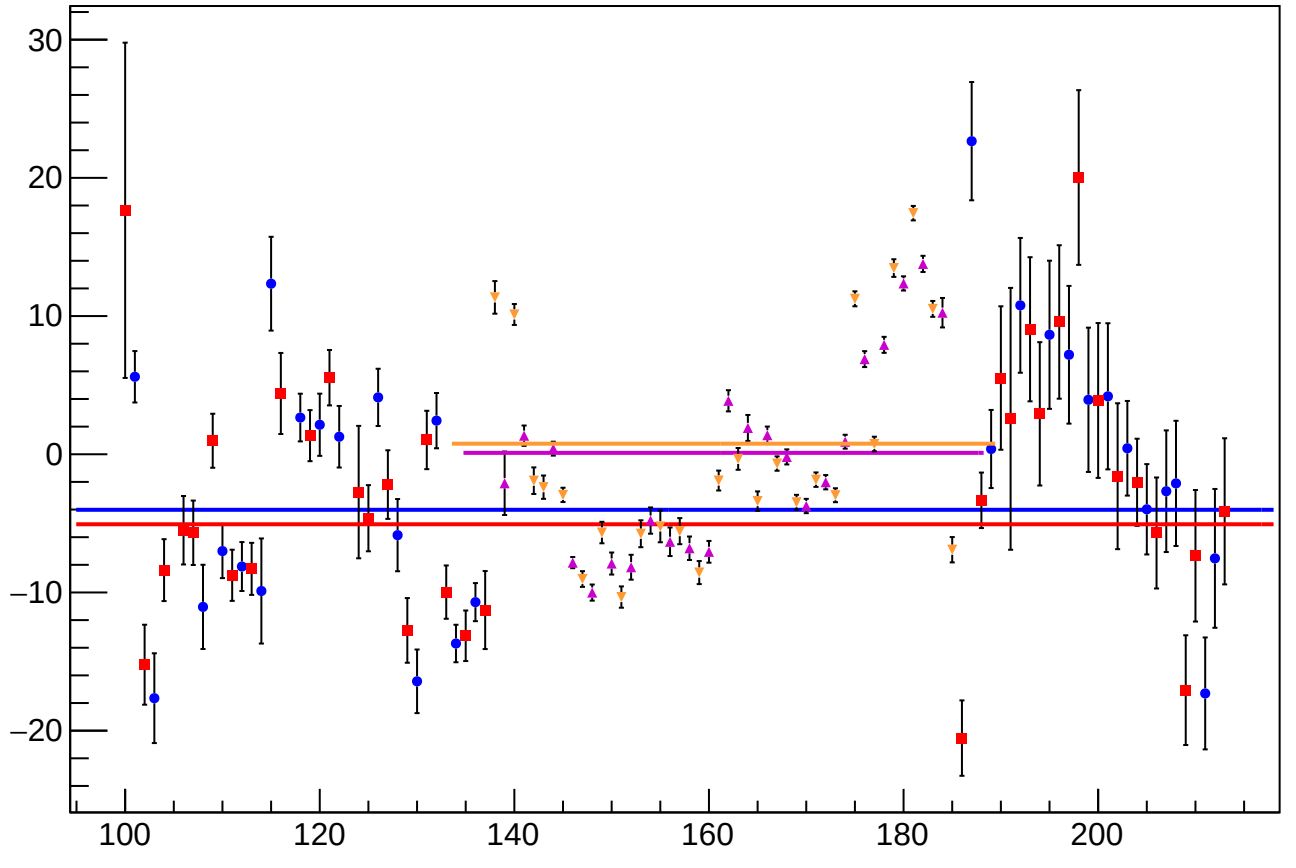
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

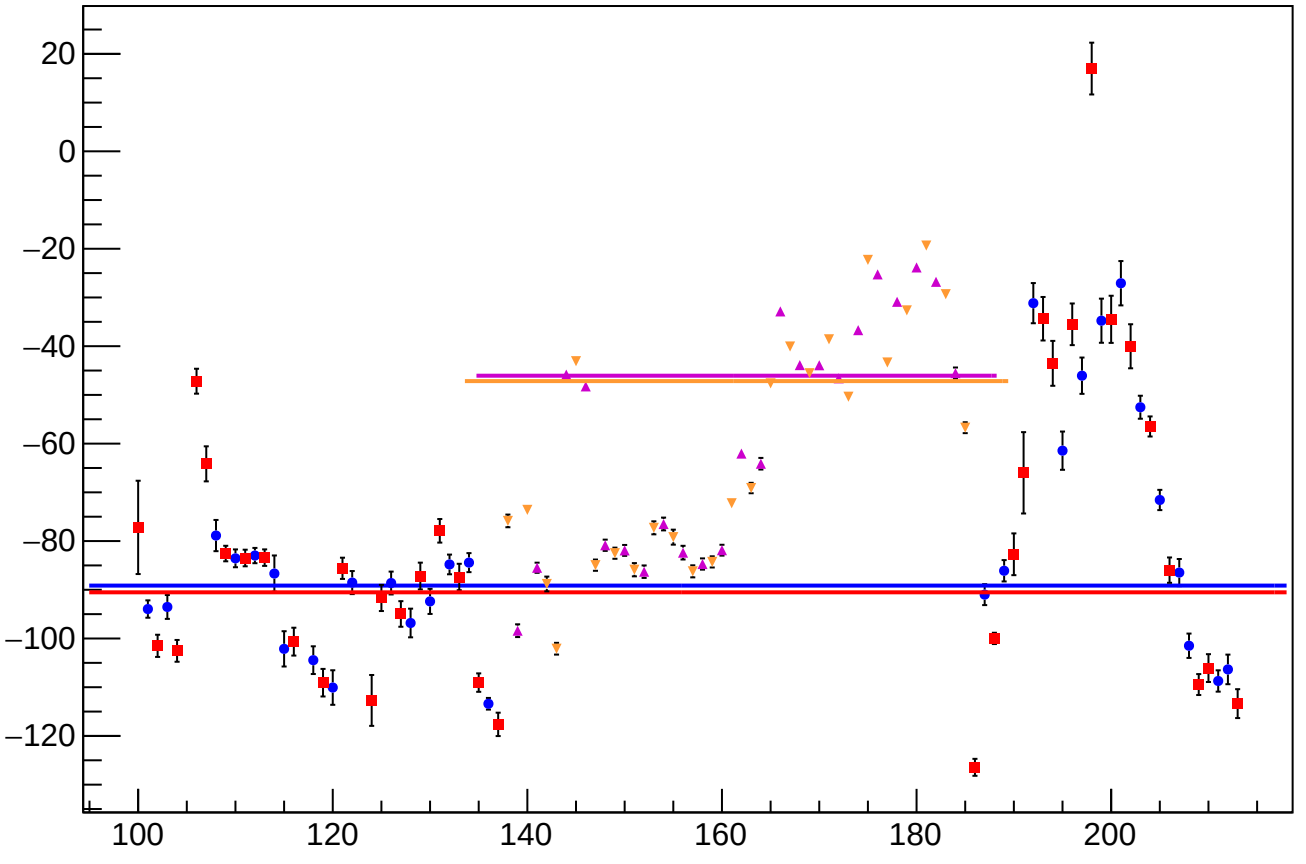
Right: -33.029+/-0.278 χ^2/NDF: 4647.7/62

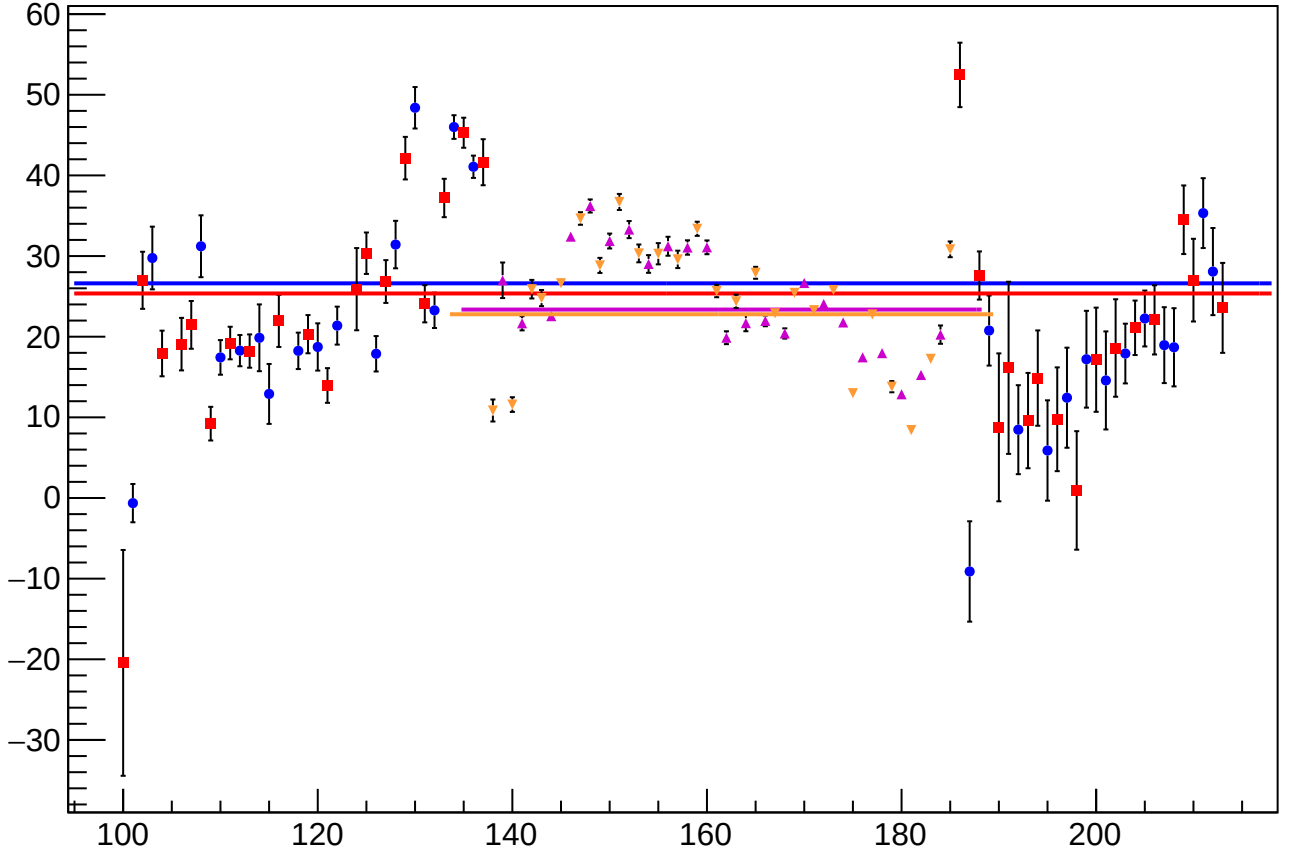
In: -45.843+/-0.157 χ^2/NDF:9783.7/51

Out: -46.044+/-0.153 χ^2/NDF:13607.9/58

All: -45.946+/-0.109 χ^2/NDF: 23392.5/110


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -4.018+/-0.466 χ²/NDF: 320.0/28
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: -4.540+/-0.330 χ²/NDF: 542.5/62
In: -0.208+/-0.128 χ²/NDF:3114.0/51
Out: 0.332+/-0.127 χ²/NDF:3831.5/58
All: 0.063+/-0.090 χ²/NDF: 6954.5/110


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
100
120
140
160
180
200
Right In: -89.140+/-0.438 χ²/NDF: 1716.3/28
Left Out: -47.167+/-0.168 χ²/NDF:17658.5/24
Right Out: -90.522+/-0.421 χ²/NDF: 2833.2/33
Left In: -46.058+/-0.170 χ²/NDF:14769.8/22
Left: -46.621+/-0.119 χ²/NDF: 32449.9/47
Right: -89.860+/-0.304 χ²/NDF: 4554.7/62
In: -51.698+/-0.159 χ²/NDF:24878.6/51
Out: -53.104+/-0.156 χ²/NDF:29660.7/58
All: -52.414+/-0.111 χ²/NDF: 54579.3/110



Right In: 26.616+/-0.524 χ^2/NDF: 674.5/28

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

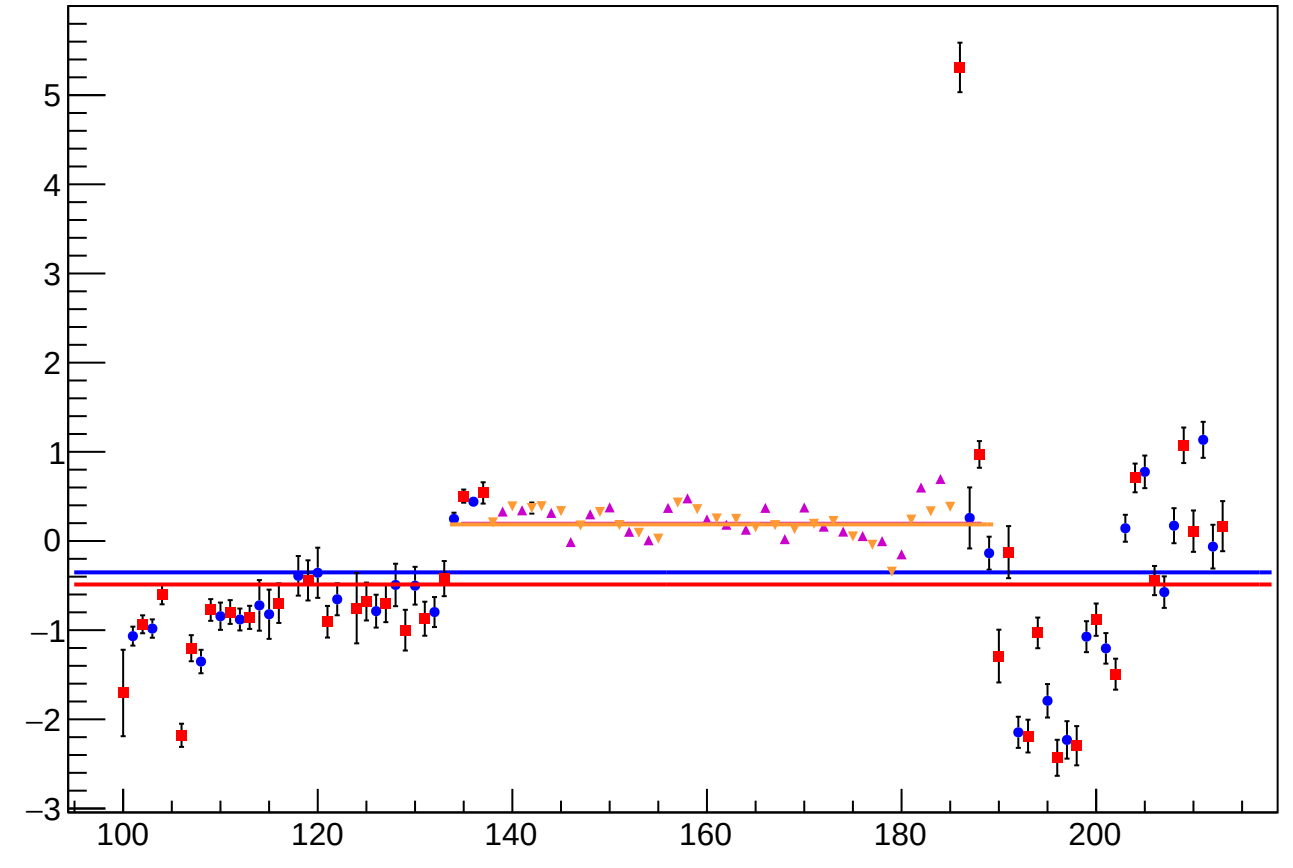
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 26.002+/-0.375 χ^2/NDF: 1119.6/62

In: 23.608+/-0.143 χ^2/NDF:2495.4/51

Out: 22.963+/-0.142 χ^2/NDF:2876.8/58

All: 23.283+/-0.101 χ^2/NDF: 5382.4/110



Right In: -0.352+/-0.026 χ^2/NDF: 865.8/28

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

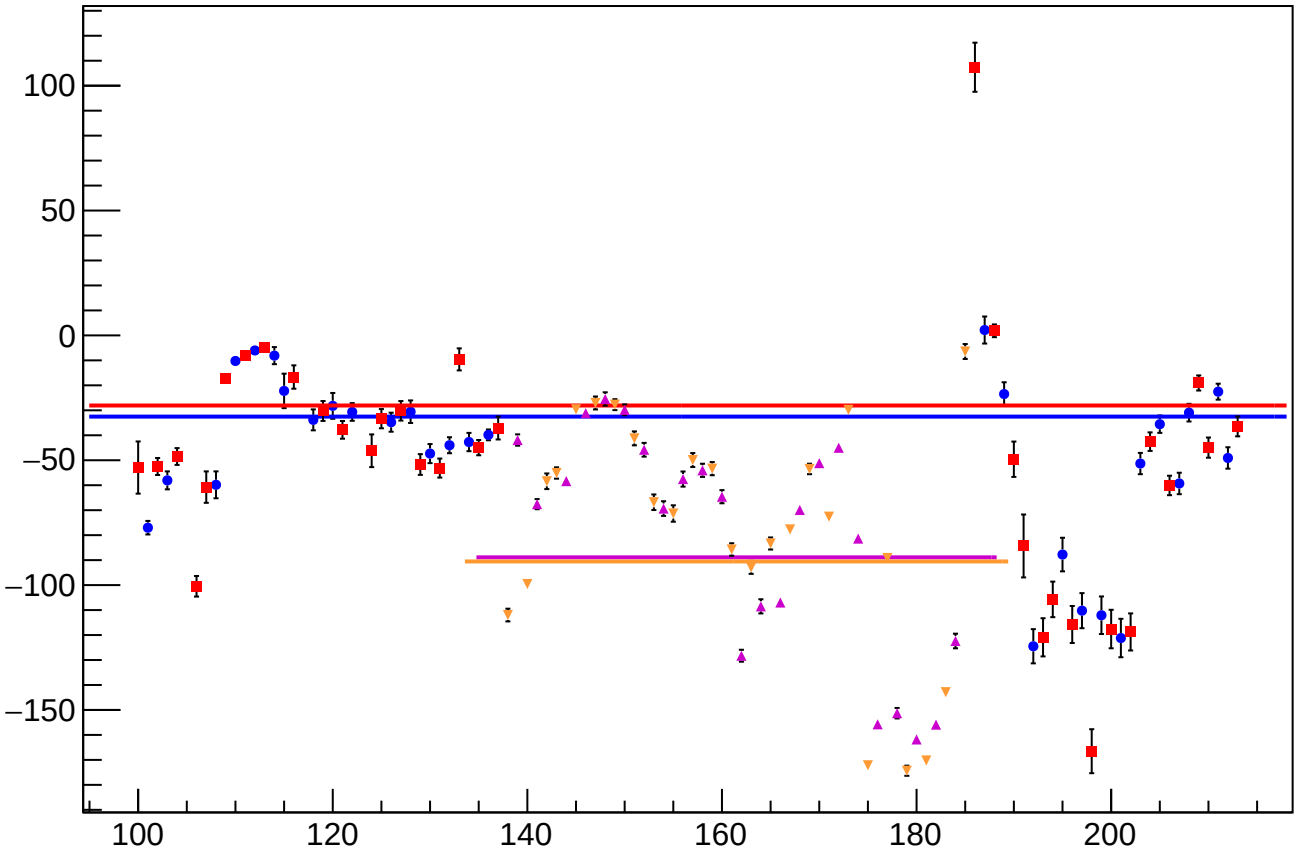
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.417+/-0.019 χ^2/NDF: 2353.5/62

In: 0.161+/-0.006 χ^2/NDF:2202.7/51

Out: 0.150+/-0.006 χ^2/NDF:2684.5/58

All: 0.155+/-0.005 χ^2/NDF: 4888.6/110



Right In: -32.522+/-0.634 χ^2/NDF: 1677.3/28

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

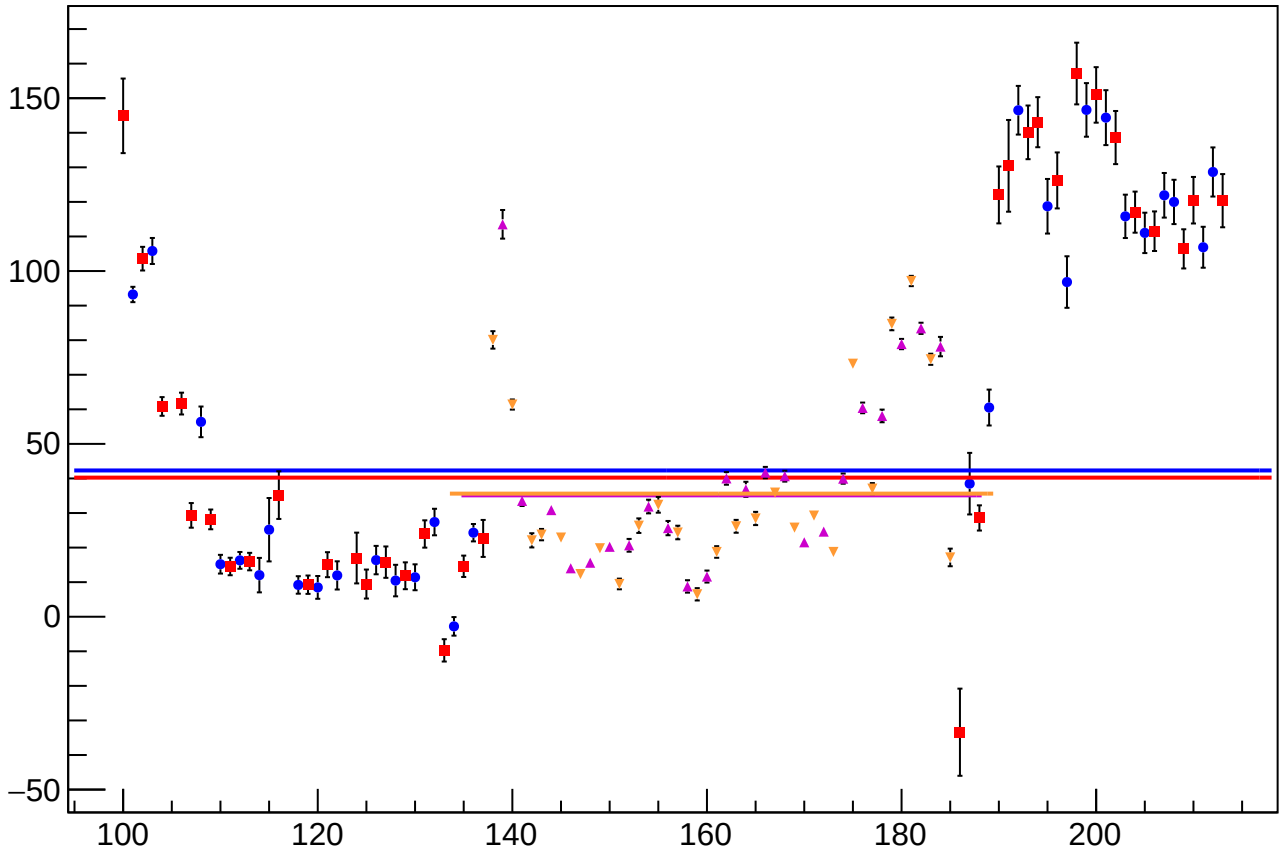
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -30.114+/-0.429 χ^2/NDF: 4130.4/62

In: -70.862+/-0.358 χ^2/NDF:18874.8/51

Out: -69.113+/-0.341 χ^2/NDF:25323.4/58

All: -69.946+/-0.247 χ^2/NDF: 44210.6/110



Right In: 42.314+/-0.741 χ^2/NDF: 3479.9/28

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

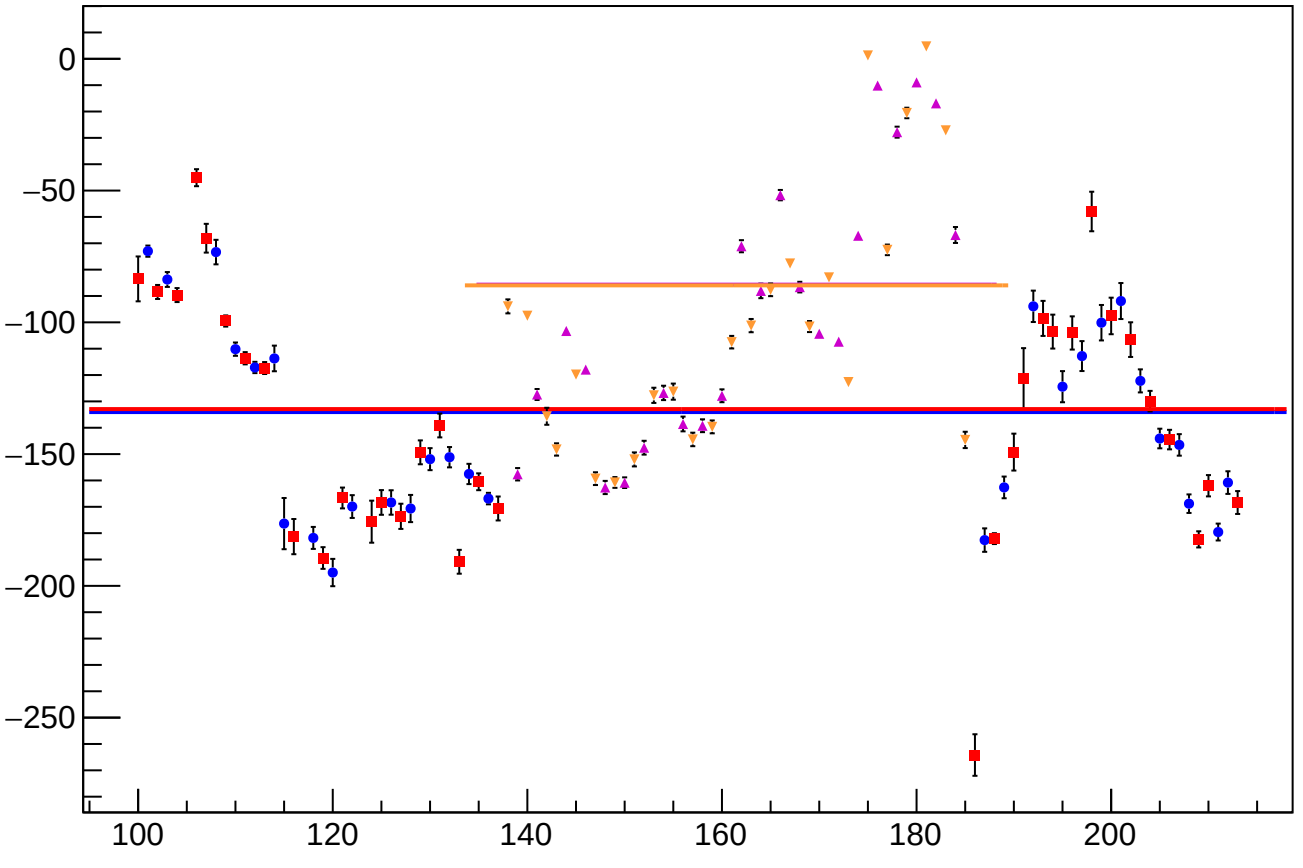
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 41.255+/-0.518 χ^2/NDF: 6818.2/62

In: 36.343+/-0.306 χ^2/NDF:7702.7/51

Out: 36.389+/-0.297 χ^2/NDF:9341.2/58

All: 36.367+/-0.213 χ^2/NDF: 17043.9/110



Right In: -134.049+/-0.688 χ^2/NDF: 2901.8/28

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

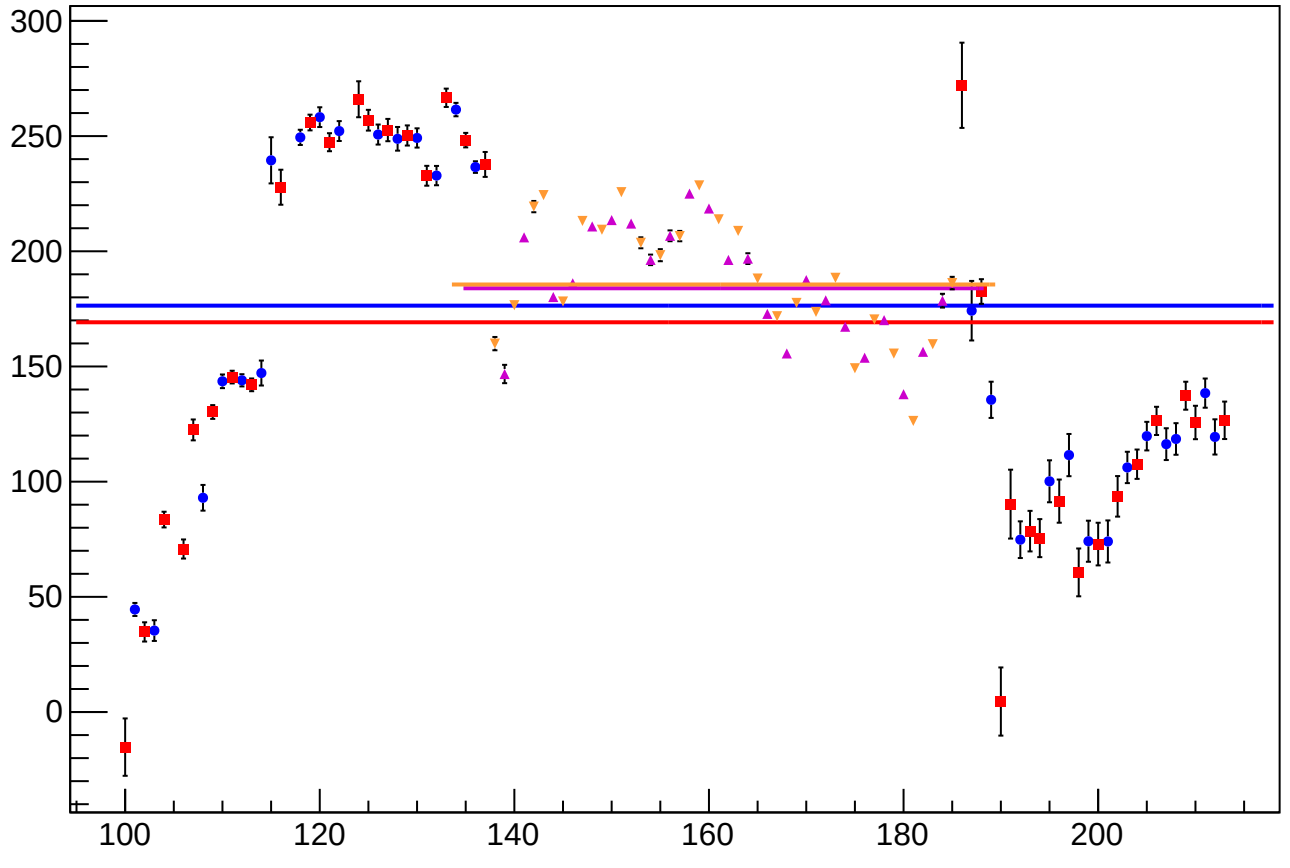
Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

Right: -133.454+/-0.474 χ^2/NDF: 6971.9/62

In: -99.393+/-0.366 χ^2/NDF:20198.4/51

Out: -99.738+/-0.354 χ^2/NDF:23951.6/58

All: -99.571+/-0.254 χ^2/NDF: 44150.5/110



Right In: 176.404+/-0.844 χ^2/NDF: 8276.8/28

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

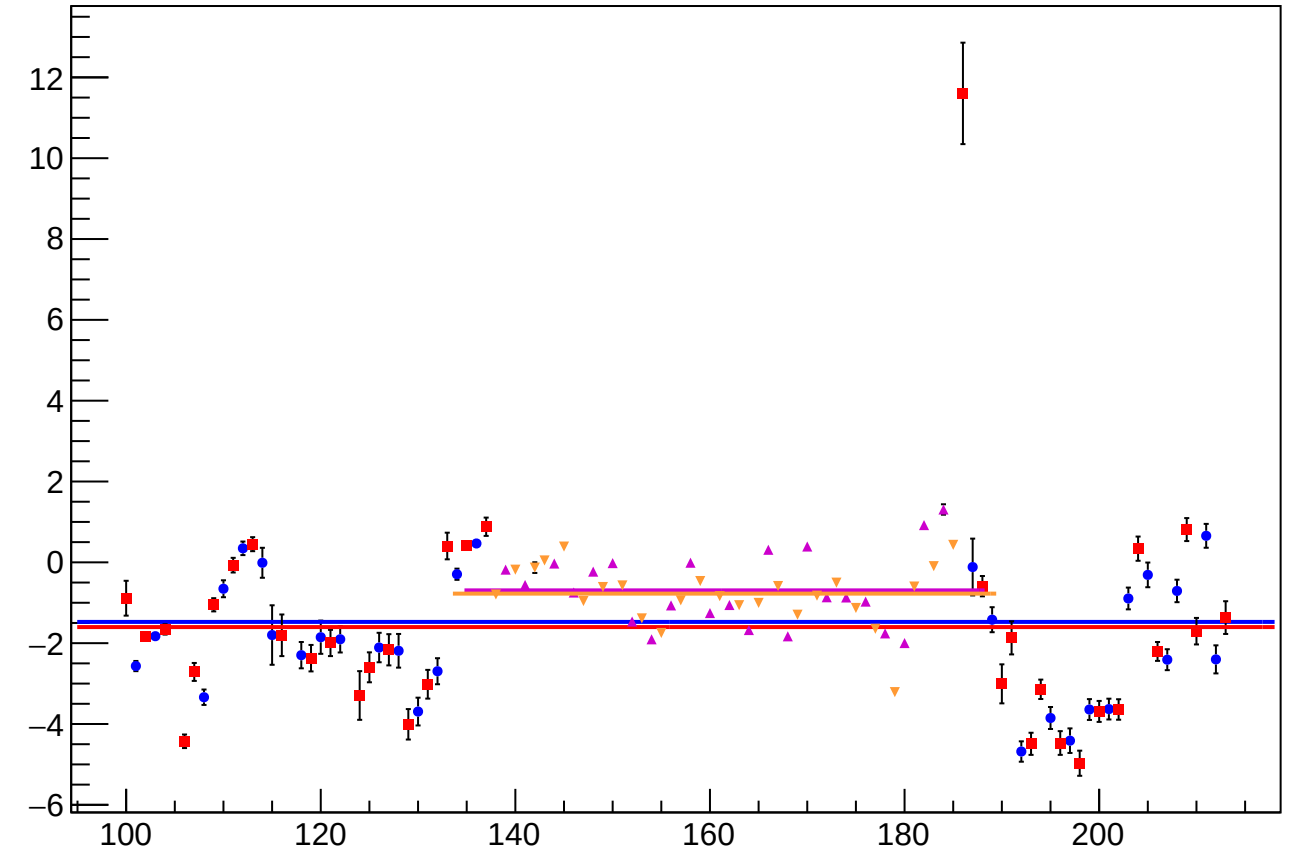
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 172.742+/-0.592 χ^2/NDF: 16116.0/62

In: 182.682+/-0.345 χ^2/NDF:12216.8/51

Out: 182.914+/-0.336 χ^2/NDF:13482.1/58

All: 182.801+/-0.240 χ^2/NDF: 25699.2/110



Right In: -1.474+/-0.041 χ^2/NDF: 1410.0/28

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

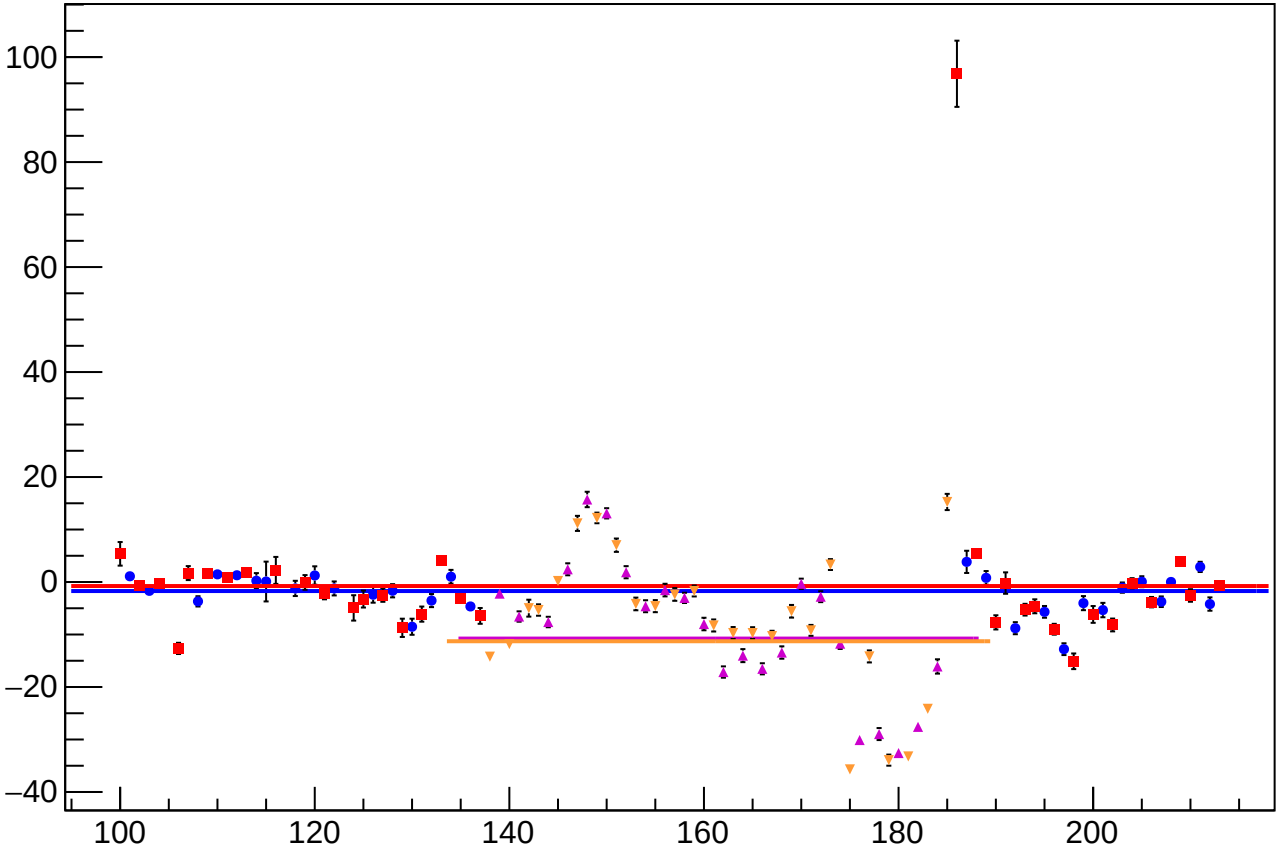
Right: -1.539+/-0.029 χ^2/NDF: 3208.1/62

In: -0.805+/-0.016 χ^2/NDF:4282.7/51

Out: -0.891+/-0.015 χ^2/NDF:3975.5/58

All: -0.849+/-0.011 χ^2/NDF: 8274.1/110

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.720+/-0.197 χ^2/NDF: 318.0/28

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

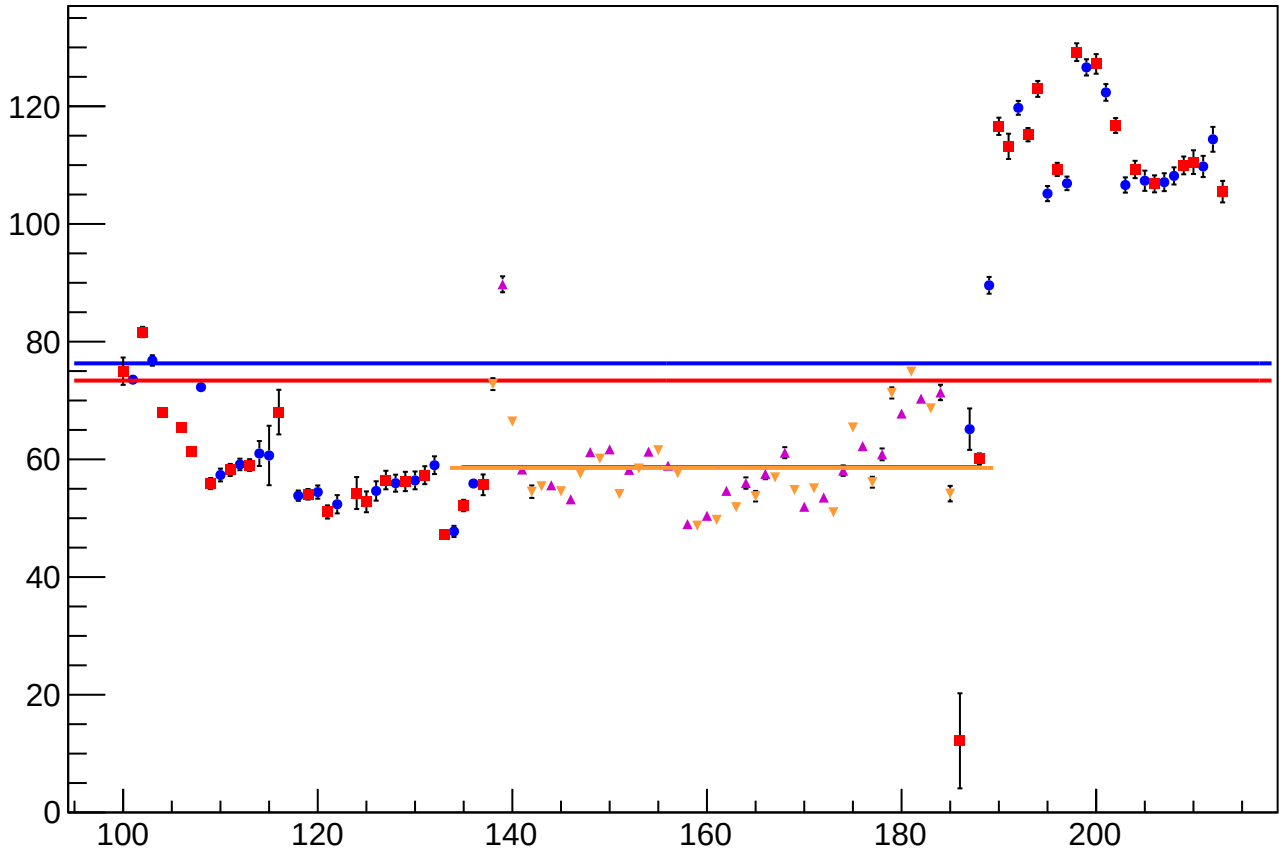
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.187+/-0.131 χ^2/NDF: 1260.0/62

In: -5.881+/-0.145 χ^2/NDF:4990.8/51

Out: -5.119+/-0.134 χ^2/NDF:6928.0/58

All: -5.471+/-0.098 χ^2/NDF: 11933.7/110



Right In: 76.311+/-0.222 χ^2/NDF: 11630.2/28

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

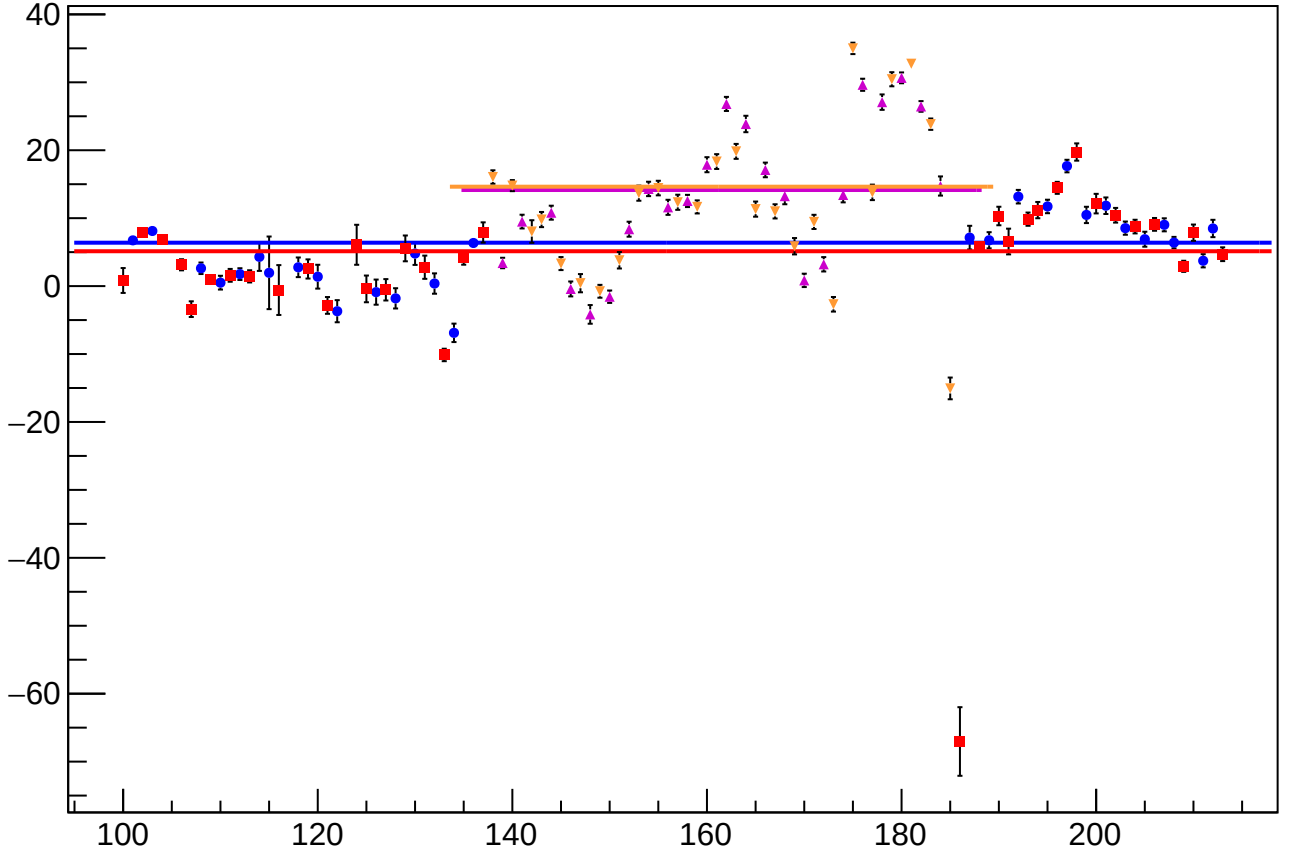
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 74.721+/-0.150 χ^2/NDF: 27661.2/62

In: 65.104+/-0.134 χ^2/NDF:17240.1/51

Out: 64.268+/-0.126 χ^2/NDF:21106.3/58

All: 64.661+/-0.092 χ^2/NDF: 38367.0/110



Right In: 6.390+/-0.197 χ^2/NDF: 579.7/28

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

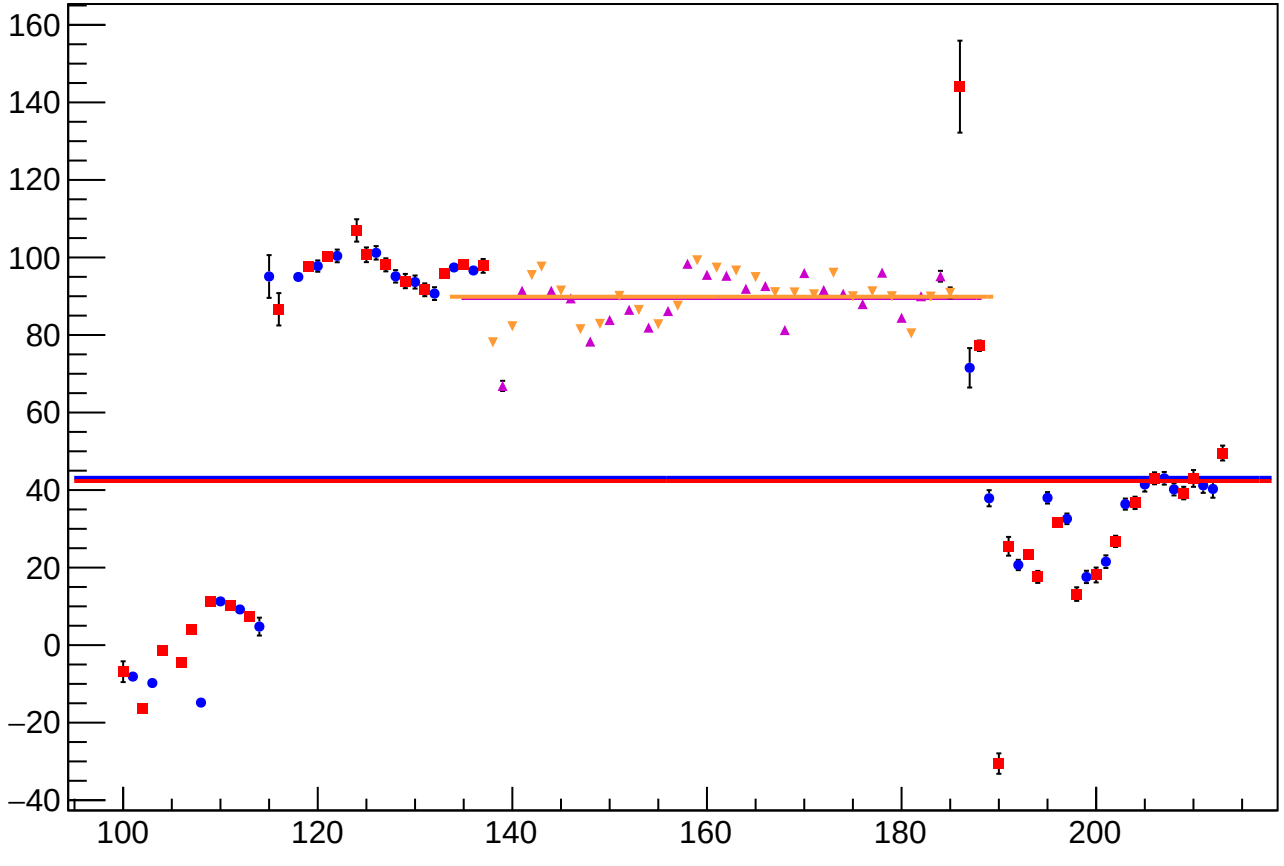
Right: 5.698+/-0.132 χ^2/NDF: 1715.2/62

In: 9.992+/-0.144 χ^2/NDF:3842.7/51

Out: 9.177+/-0.135 χ^2/NDF:5288.8/58

All: 9.558+/-0.098 χ^2/NDF: 9148.6/110

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.154+/-0.257 χ^2/NDF: 27938.6/28

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

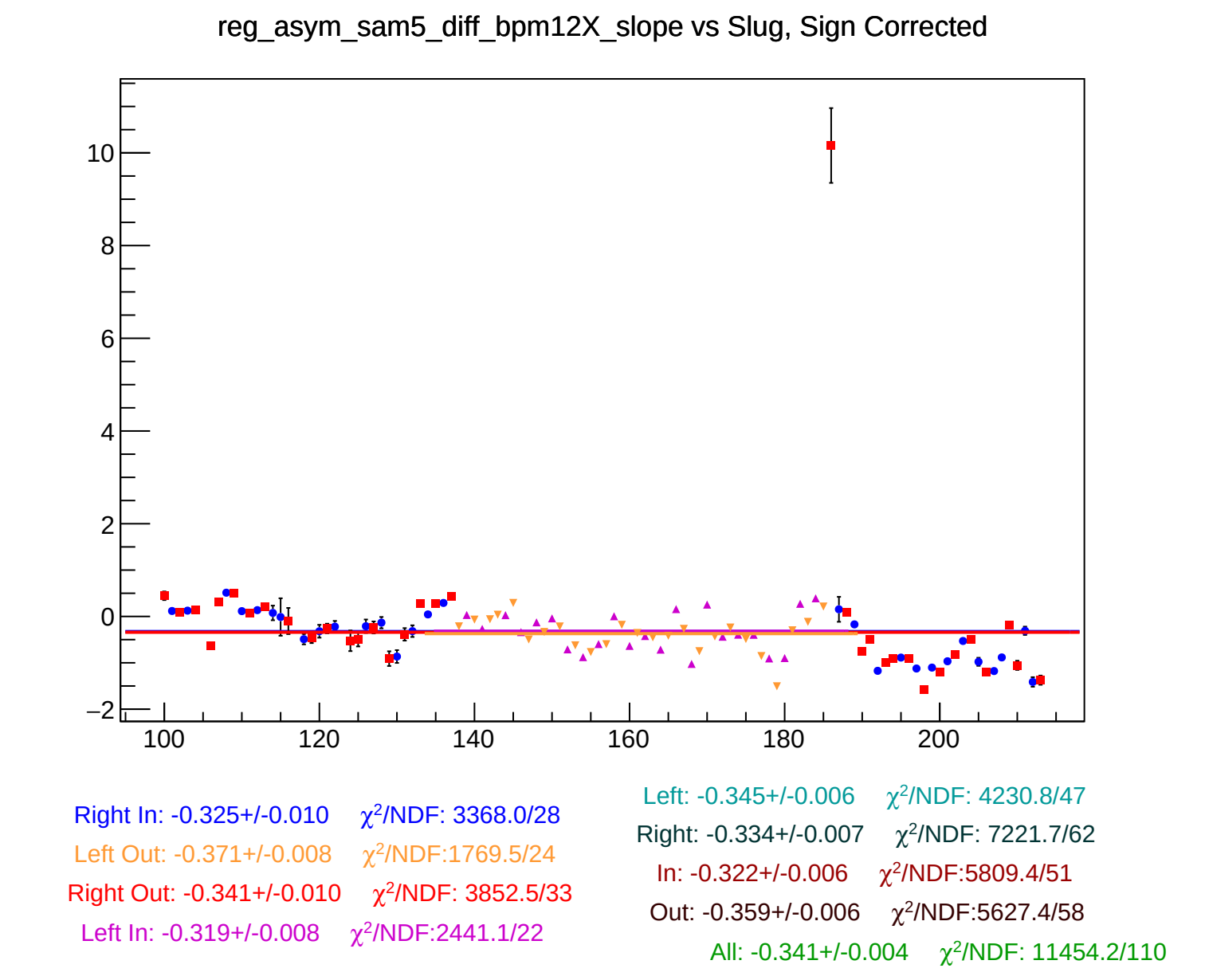
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

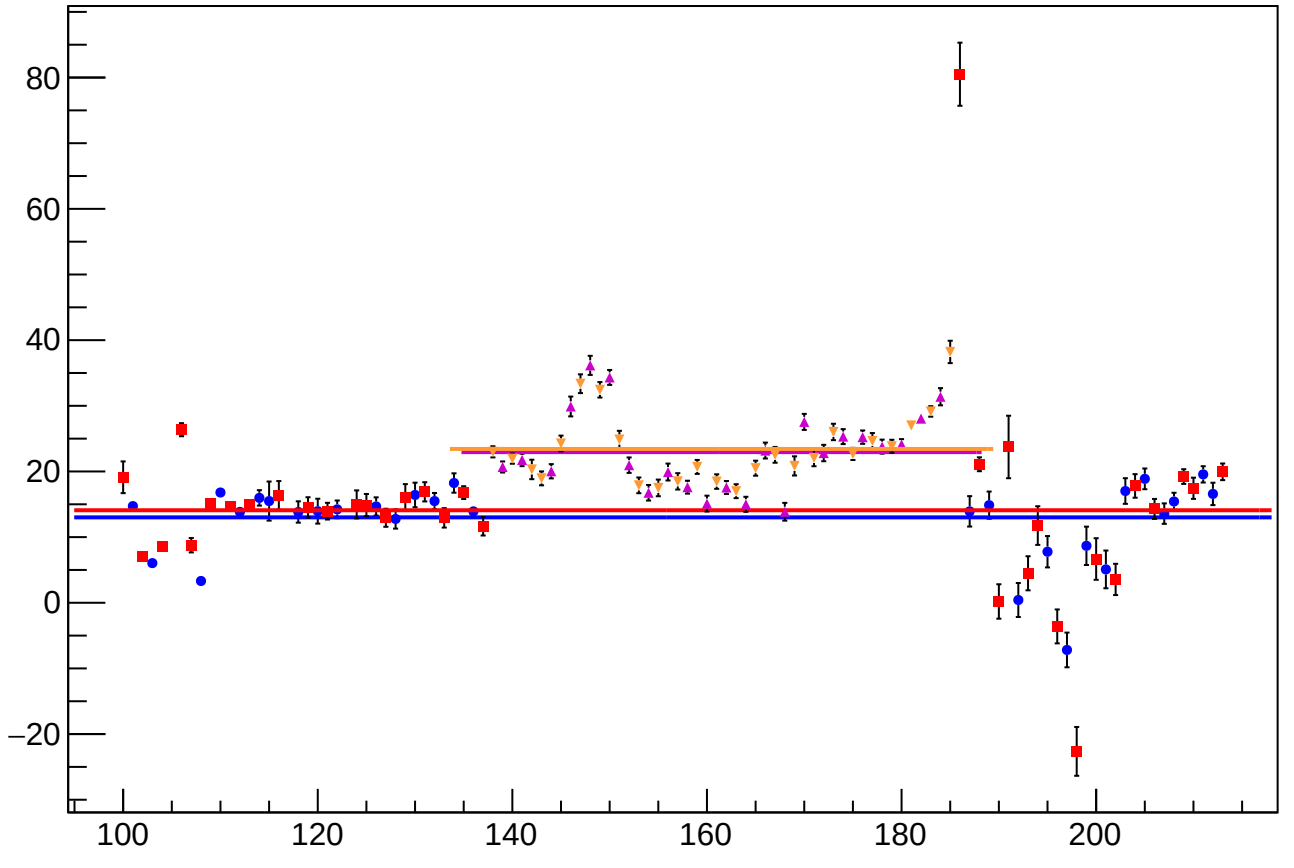
Right: 42.716+/-0.175 χ^2/NDF: 59699.2/62

In: 73.402+/-0.151 χ^2/NDF:50322.4/51

Out: 72.478+/-0.144 χ^2/NDF:58056.2/58

All: 72.917+/-0.104 χ^2/NDF: 108398.1/110


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: -0.325+/-0.010 χ²/NDF: 3368.0/28
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: -0.334+/-0.007 χ²/NDF: 7221.7/62
In: -0.322+/-0.006 χ²/NDF:5809.4/51
Out: -0.359+/-0.006 χ²/NDF:5627.4/58
All: -0.341+/-0.004 χ²/NDF: 11454.2/110



Right In: 13.008+/-0.198 χ^2/NDF: 540.0/28

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

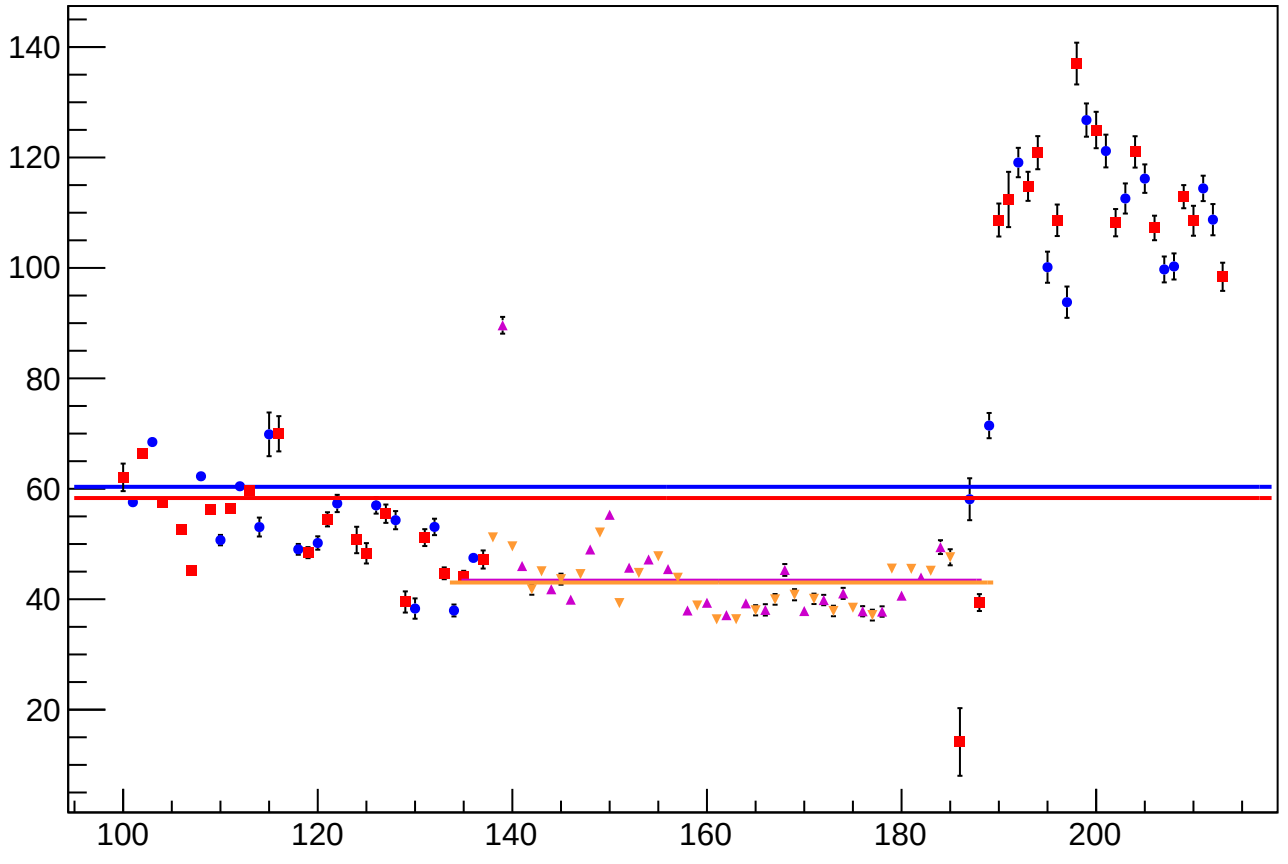
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.578+/-0.136 χ^2/NDF: 1464.3/62

In: 17.331+/-0.149 χ^2/NDF:2204.9/51

Out: 18.109+/-0.142 χ^2/NDF:2403.2/58

All: 17.739+/-0.103 χ^2/NDF: 4622.5/110



Right In: 60.357+/-0.212 χ^2/NDF: 5403.0/28

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

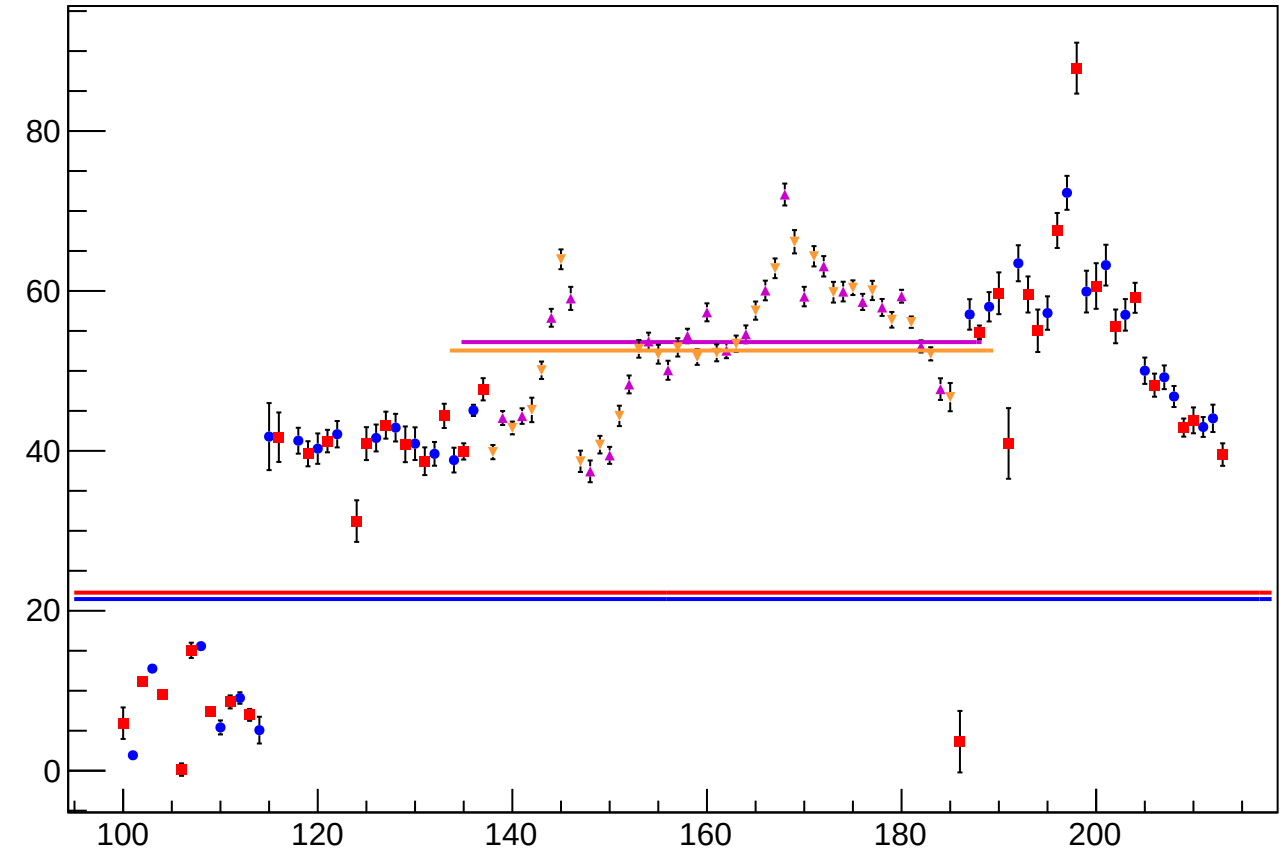
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 59.347+/-0.151 χ^2/NDF: 12101.0/62

In: 50.328+/-0.136 χ^2/NDF:10863.4/51

Out: 48.857+/-0.132 χ^2/NDF:10619.3/58

All: 49.568+/-0.095 χ^2/NDF: 21543.0/110



Right In: 21.465+/-0.196 χ^2/NDF: 10199.7/28

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

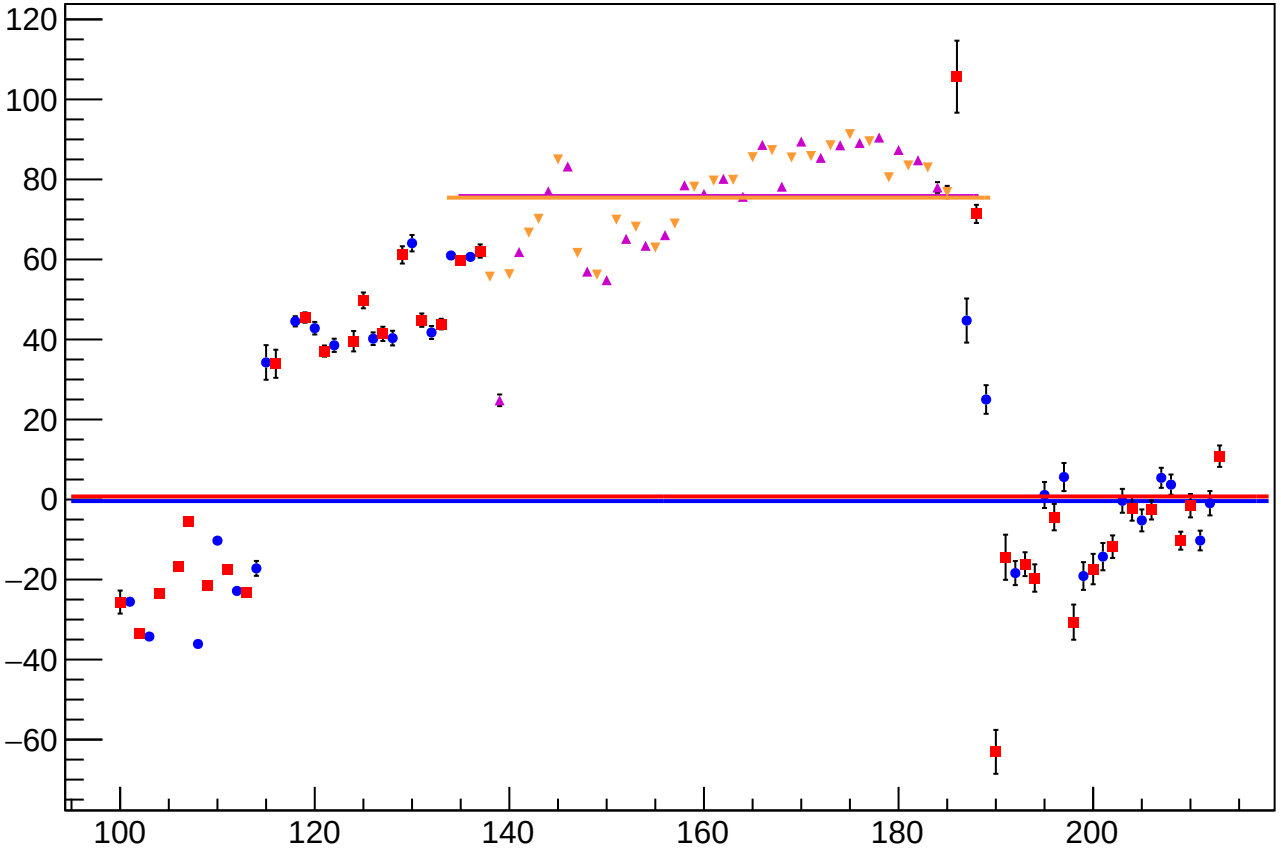
Right: 21.867+/-0.139 χ^2/NDF: 19874.2/62

In: 35.489+/-0.147 χ^2/NDF:22934.7/51

Out: 36.086+/-0.145 χ^2/NDF:21678.8/58

All: 35.792+/-0.103 χ^2/NDF: 44621.9/110

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.391+/-0.250 χ^2/NDF: 21260.3/28

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

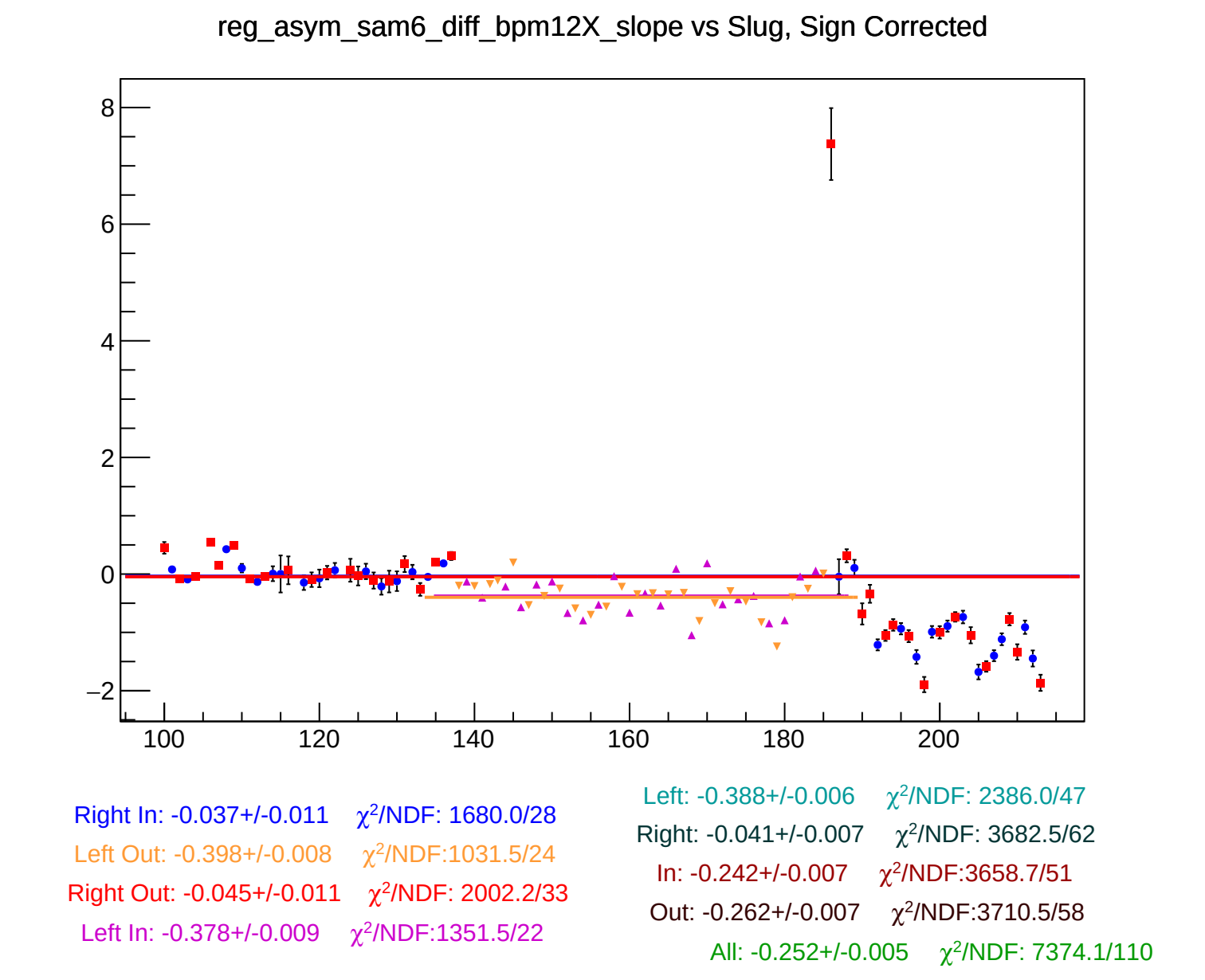
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

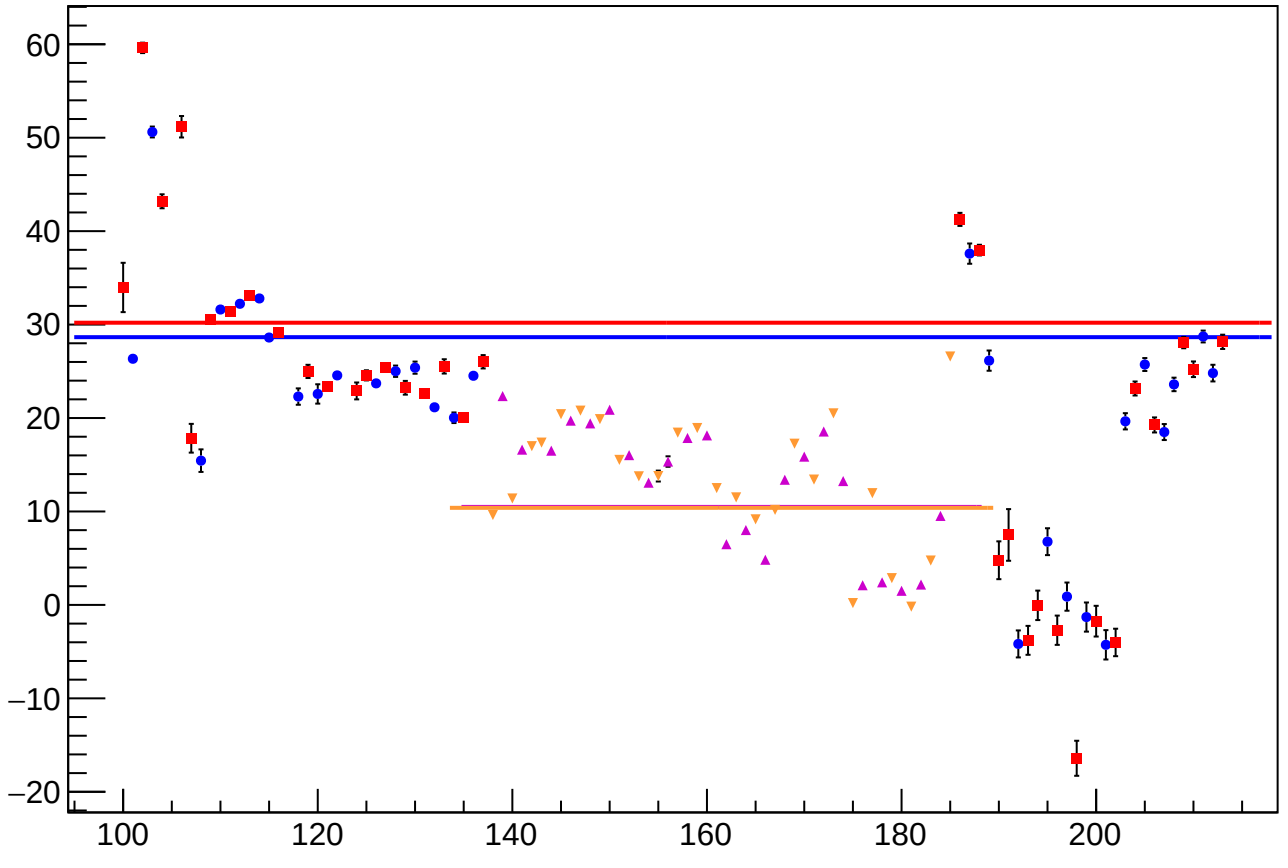
Right: 0.183+/-0.177 χ^2/NDF: 38750.5/62

In: 46.554+/-0.155 χ^2/NDF:82911.7/51

Out: 48.475+/-0.151 χ^2/NDF:77741.0/58

All: 47.541+/-0.108 χ^2/NDF: 160731.8/110


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.037+/-0.011 χ²/NDF: 1680.0/28
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: -0.041+/-0.007 χ²/NDF: 3682.5/62
In: -0.242+/-0.007 χ²/NDF:3658.7/51
Out: -0.262+/-0.007 χ²/NDF:3710.5/58
All: -0.252+/-0.005 χ²/NDF: 7374.1/110



Right In: 28.654+/-0.087 χ^2/NDF: 5767.4/28

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

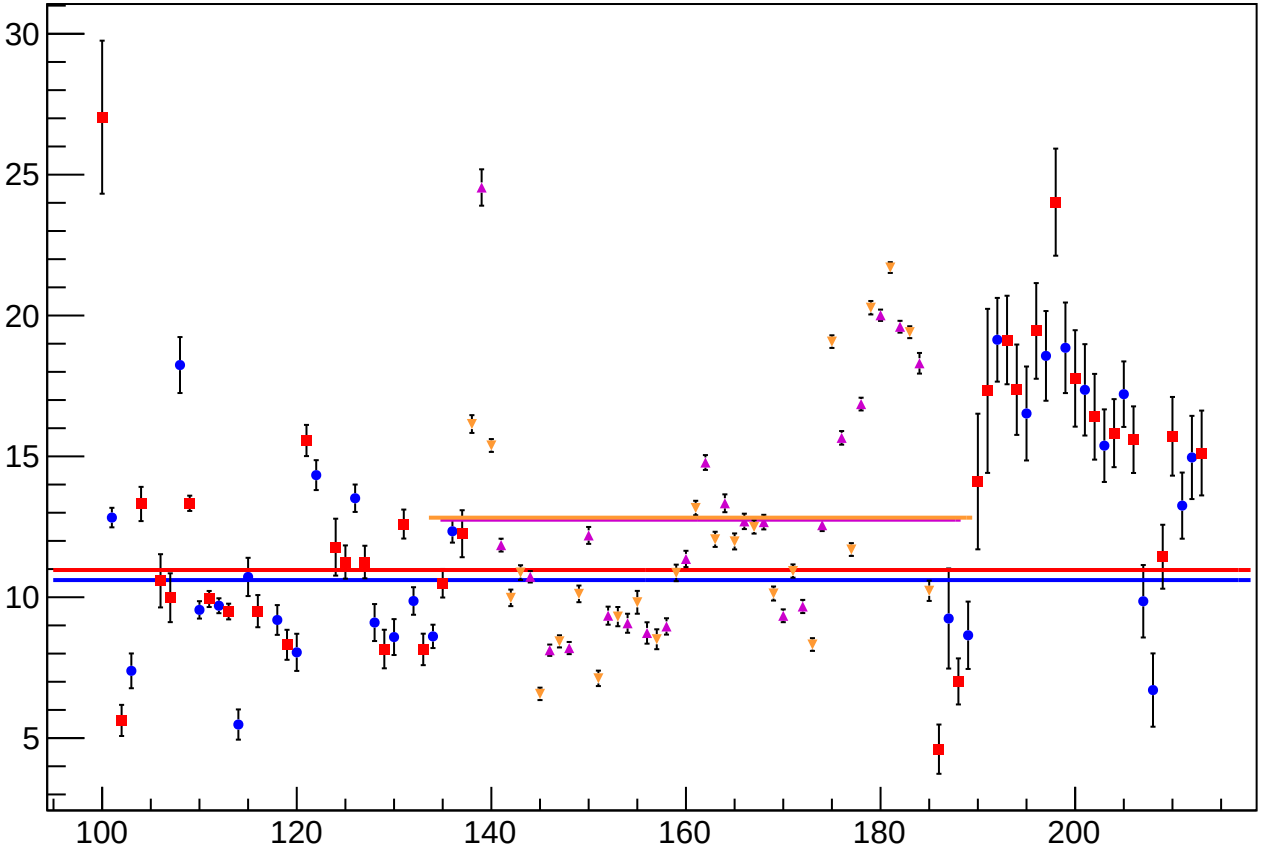
Right: 29.529+/-0.057 χ^2/NDF: 14894.1/62

In: 17.240+/-0.053 χ^2/NDF:44766.3/51

Out: 18.616+/-0.049 χ^2/NDF:62368.4/58

All: 17.980+/-0.036 χ^2/NDF: 107498.1/110

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.609+/-0.109 χ^2/NDF: 595.3/28

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

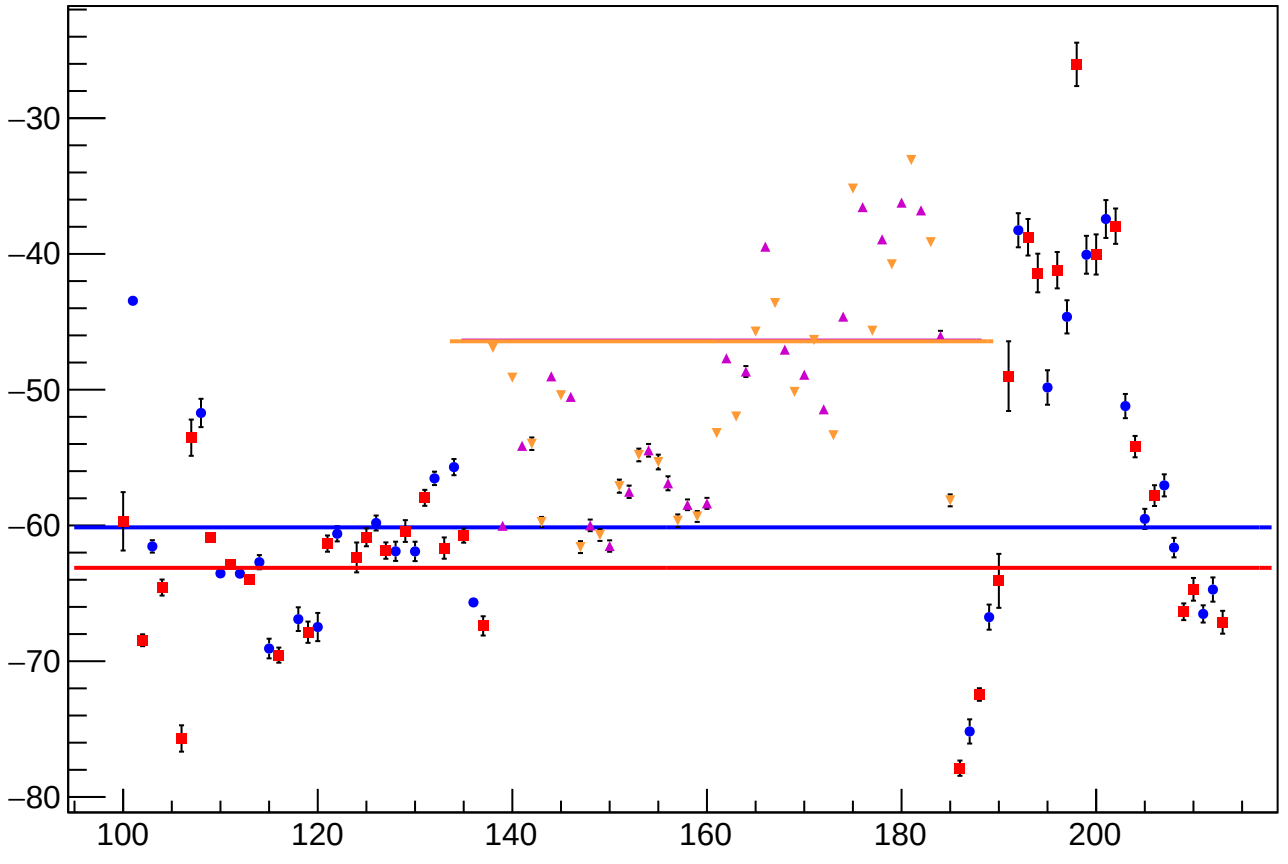
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.791+/-0.077 χ^2/NDF: 1296.8/62

In: 12.345+/-0.048 χ^2/NDF:6409.2/51

Out: 12.482+/-0.046 χ^2/NDF:8957.1/58

All: 12.416+/-0.033 χ^2/NDF: 15370.6/110



Right In: -60.141+/-0.103 χ^2/NDF: 5186.7/28

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

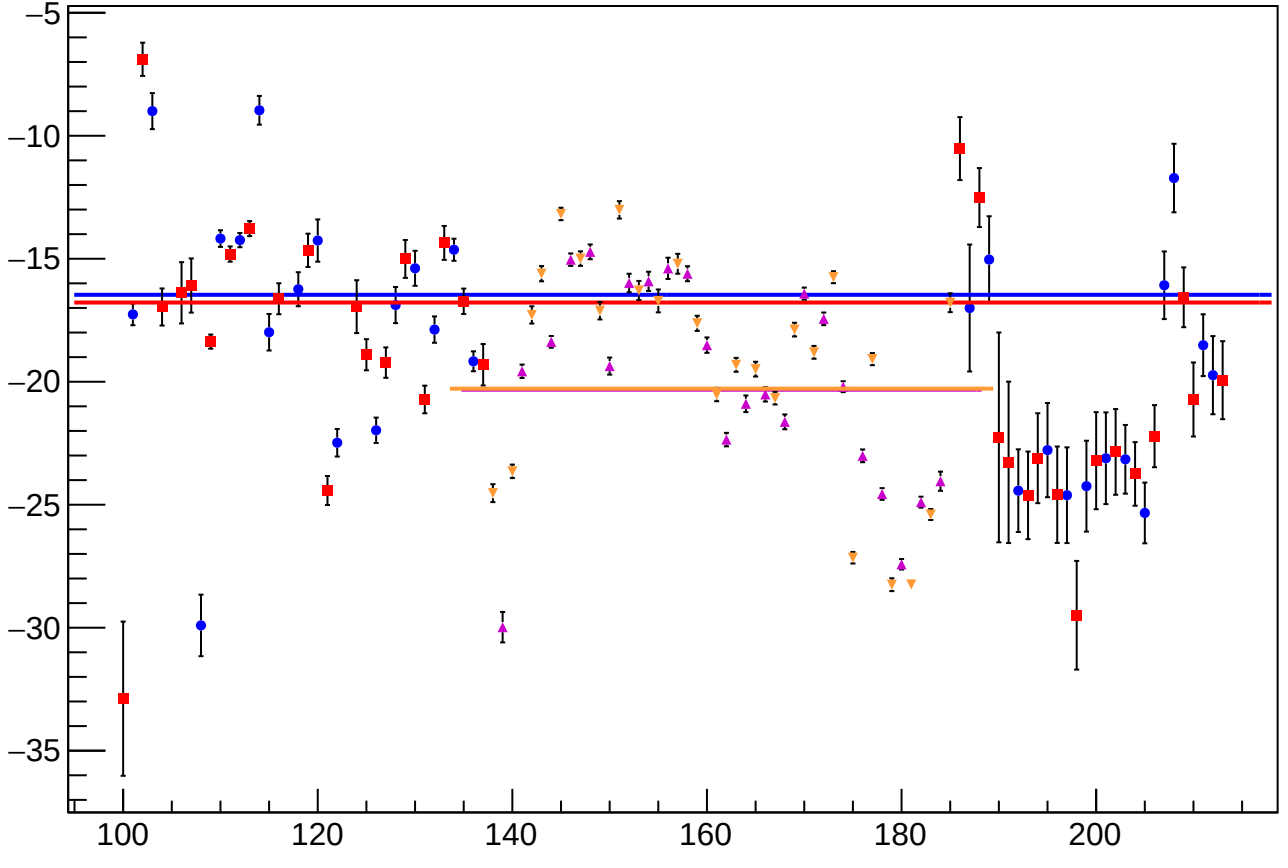
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.728+/-0.071 χ^2/NDF: 9819.0/62

In: -50.447+/-0.056 χ^2/NDF:32796.9/51

Out: -51.568+/-0.054 χ^2/NDF:42995.2/58

All: -51.032+/-0.039 χ^2/NDF: 76001.1/110



Right In: -16.465+/-0.122 χ^2/NDF: 978.4/28

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

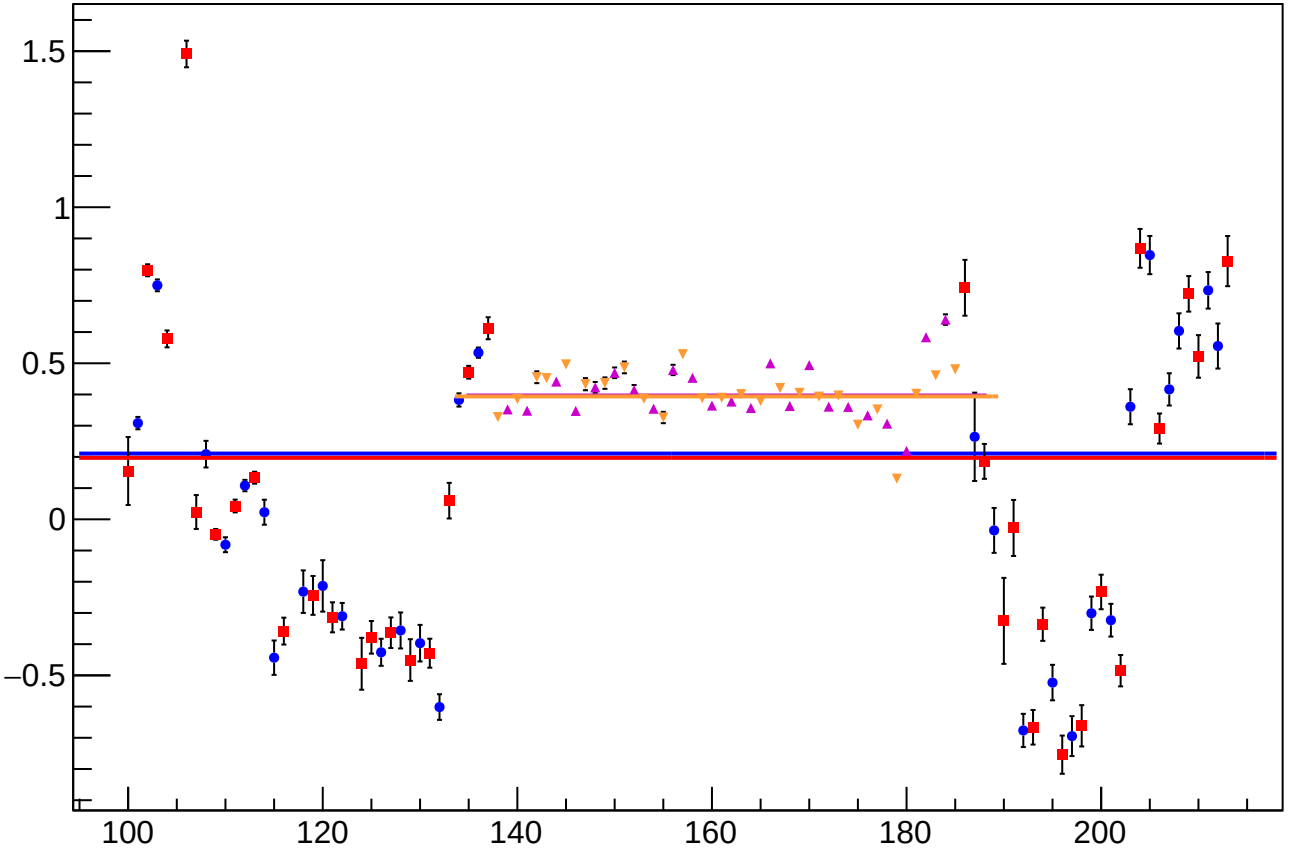
Right: -16.626+/-0.085 χ^2/NDF: 1874.8/62

In: -19.593+/-0.053 χ^2/NDF:6059.9/51

Out: -19.629+/-0.051 χ^2/NDF:8613.5/58

All: -19.611+/-0.037 χ^2/NDF: 14673.6/110

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.211+/-0.007 χ^2/NDF: 3781.1/28

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

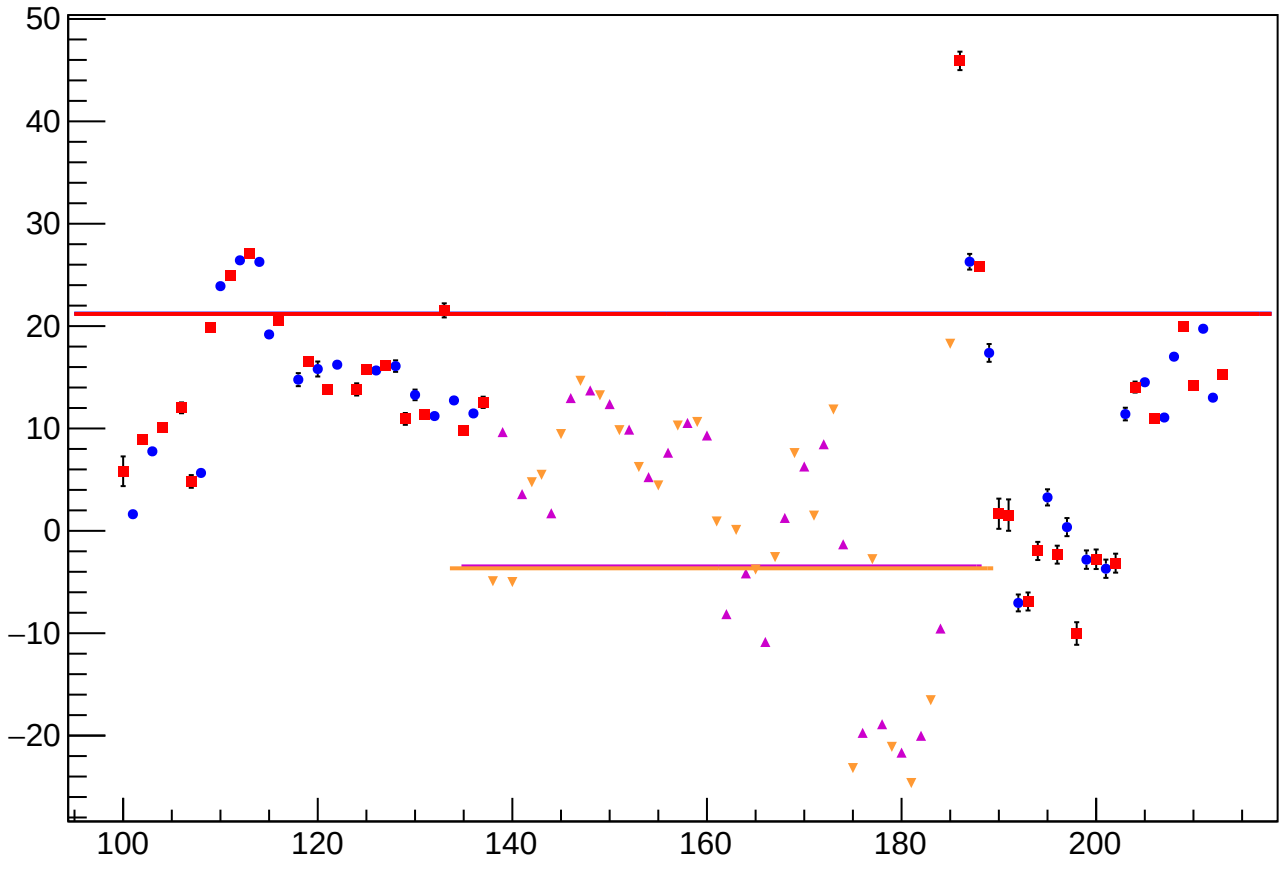
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.204+/-0.005 χ^2/NDF: 8754.5/62

In: 0.370+/-0.002 χ^2/NDF:5780.4/51

Out: 0.367+/-0.002 χ^2/NDF:6714.3/58

All: 0.369+/-0.002 χ^2/NDF: 12495.5/110



Right In: 21.219+/-0.053 χ^2/NDF: 18057.5/28

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

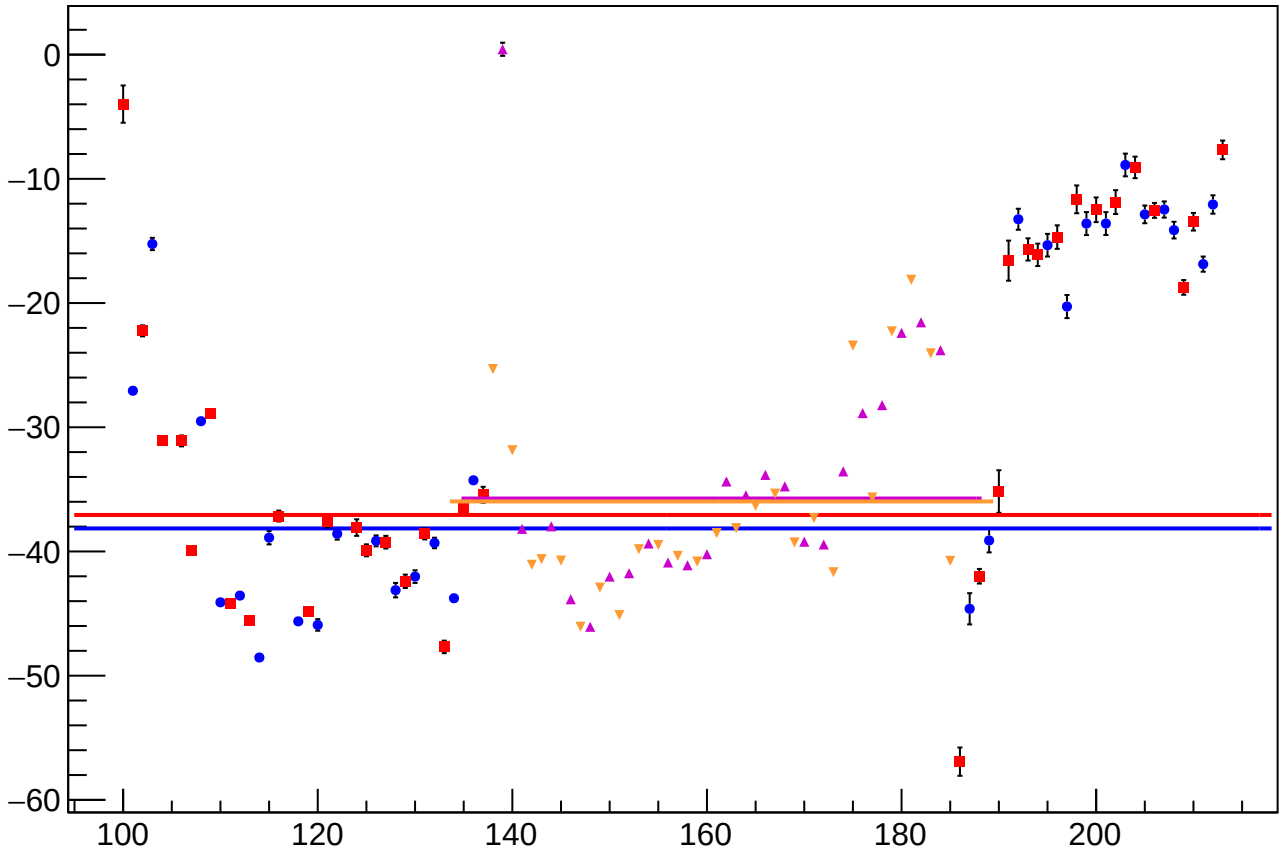
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.201+/-0.034 χ^2/NDF: 36047.2/62

In: 9.875+/-0.039 χ^2/NDF:163172.0/51

Out: 11.357+/-0.034 χ^2/NDF:200188.2/58

All: 10.709+/-0.026 χ^2/NDF: 364176.7/110



Right In: -38.146+/-0.072 χ^2/NDF: 19764.2/28

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

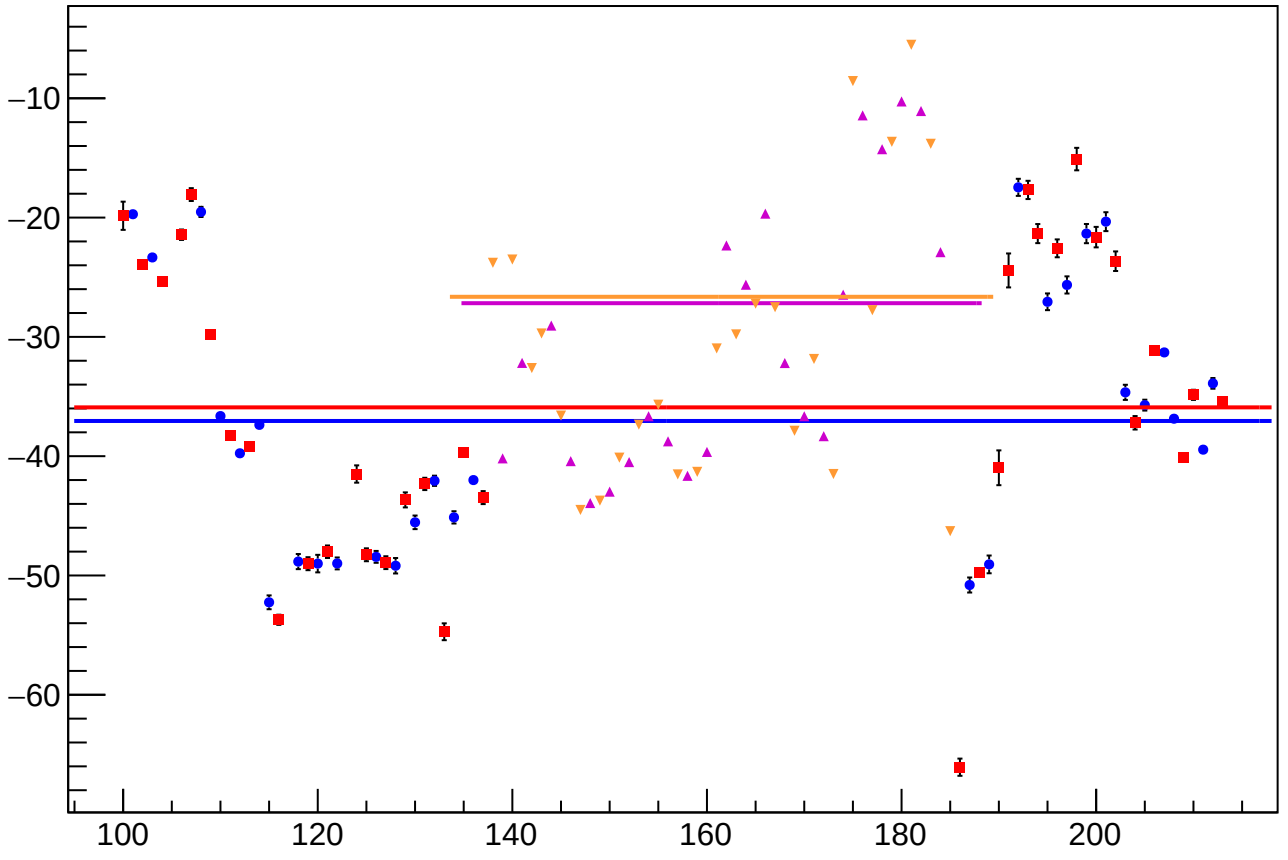
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -37.565+/-0.049 χ^2/NDF: 41059.3/62

In: -36.408+/-0.038 χ^2/NDF:47718.7/51

Out: -36.281+/-0.036 χ^2/NDF:54970.4/58

All: -36.340+/-0.026 χ^2/NDF: 102694.9/110



Right In: -37.049+/-0.066 χ^2/NDF: 14011.8/28

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

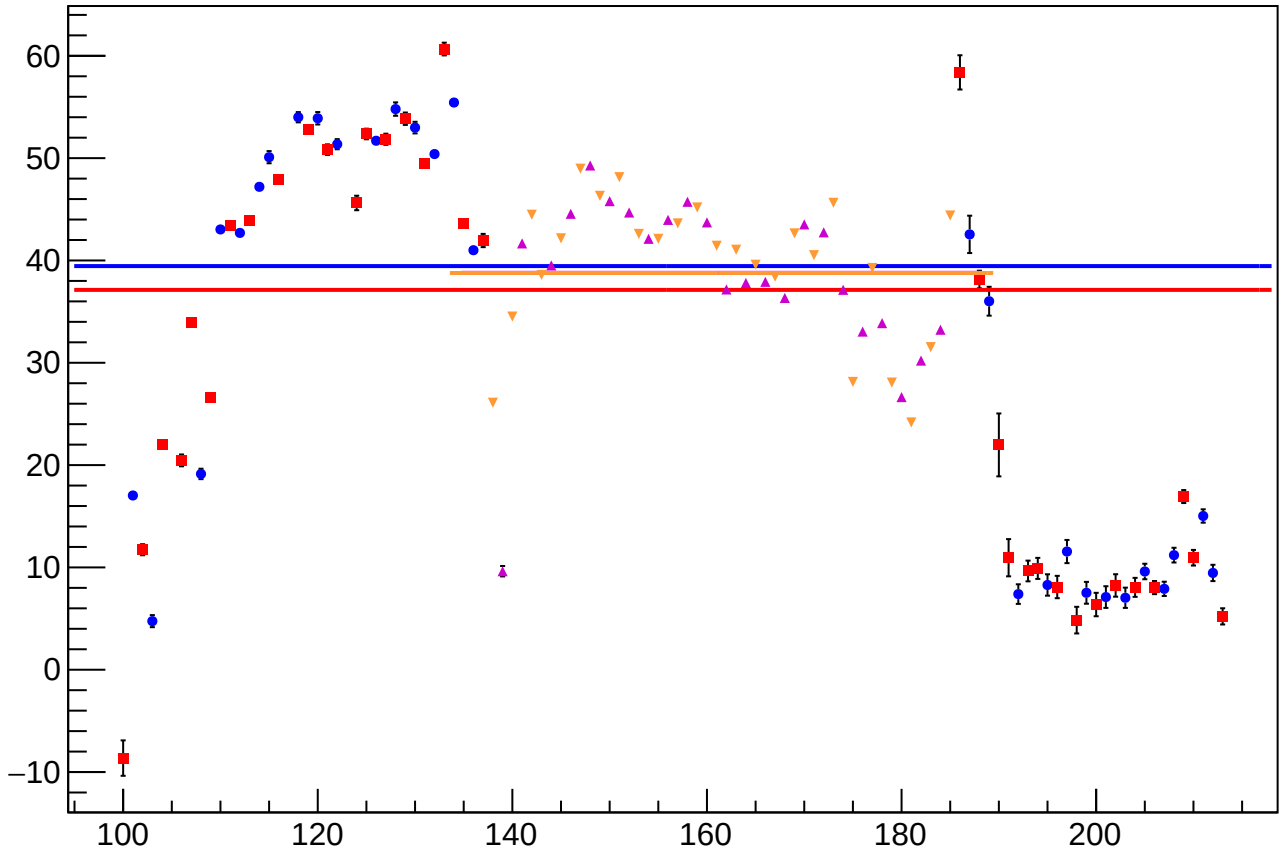
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.412+/-0.044 χ^2/NDF: 33574.8/62

In: -31.437+/-0.043 χ^2/NDF:67846.8/51

Out: -30.962+/-0.040 χ^2/NDF:82896.9/58

All: -31.181+/-0.029 χ^2/NDF: 150808.9/110



Right In: 39.450+/-0.081 χ^2/NDF: 29717.2/28

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

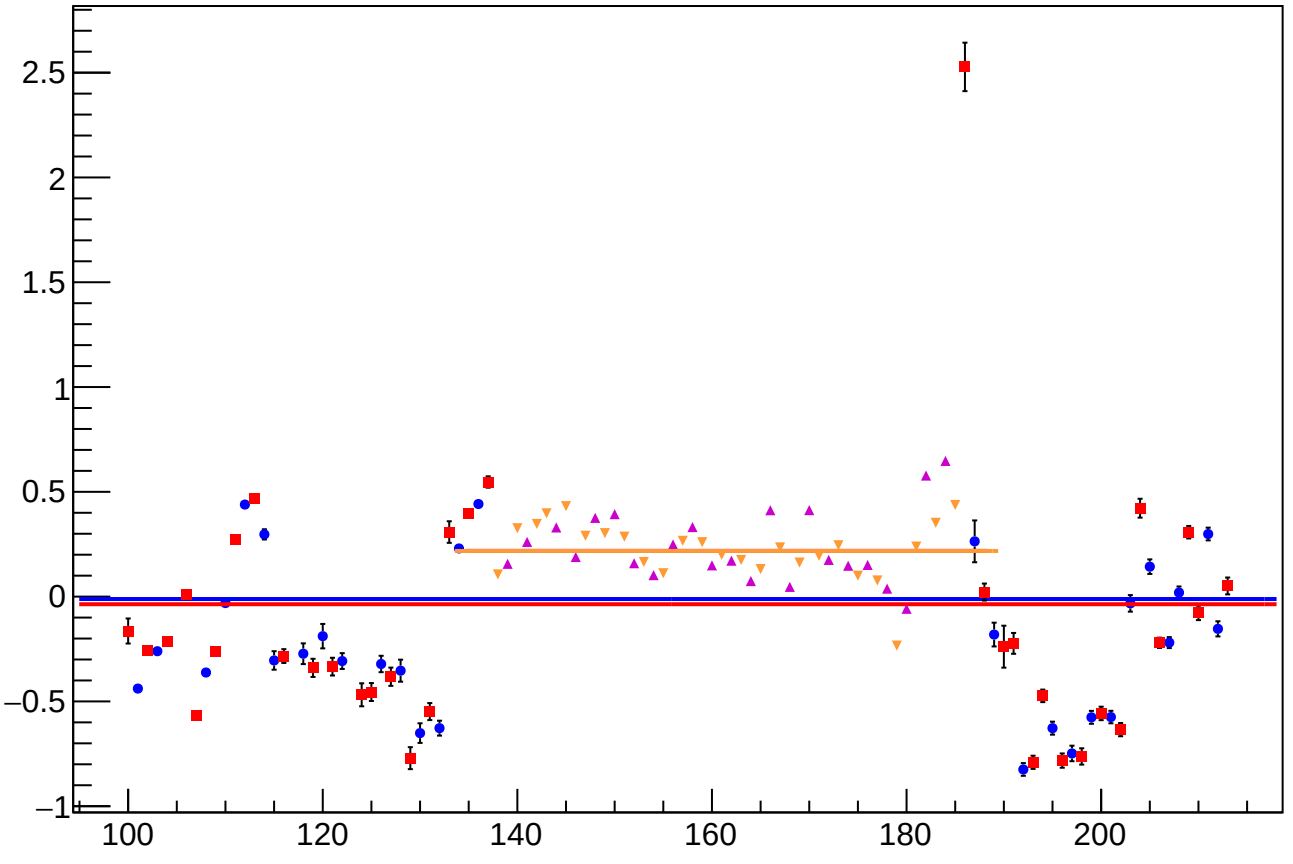
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 38.198+/-0.055 χ^2/NDF: 60508.4/62

In: 38.976+/-0.043 χ^2/NDF:46006.0/51

Out: 38.297+/-0.040 χ^2/NDF:51761.4/58

All: 38.617+/-0.029 χ^2/NDF: 97901.8/110



Right In: -0.011+/-0.004 χ^2/NDF: 8166.9/28

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

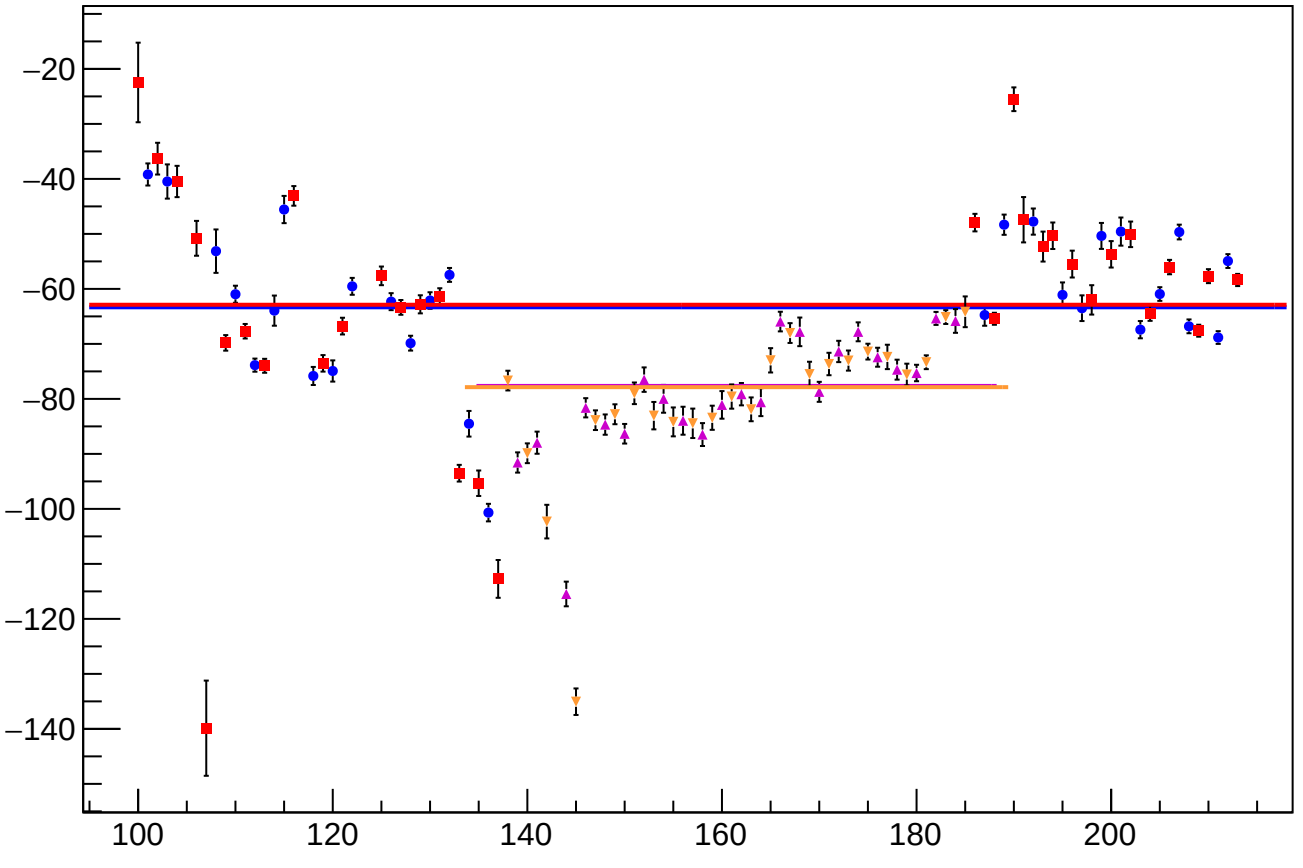
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.025+/-0.003 χ^2/NDF: 17814.9/62

In: 0.170+/-0.002 χ^2/NDF:15727.5/51

Out: 0.160+/-0.002 χ^2/NDF:16877.3/58

All: 0.165+/-0.001 χ^2/NDF: 32616.5/110



Right In: -63.345+/-0.307 χ^2/NDF: 1472.2/28

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -62.883+/-0.294 χ^2/NDF: 1974.6/32

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

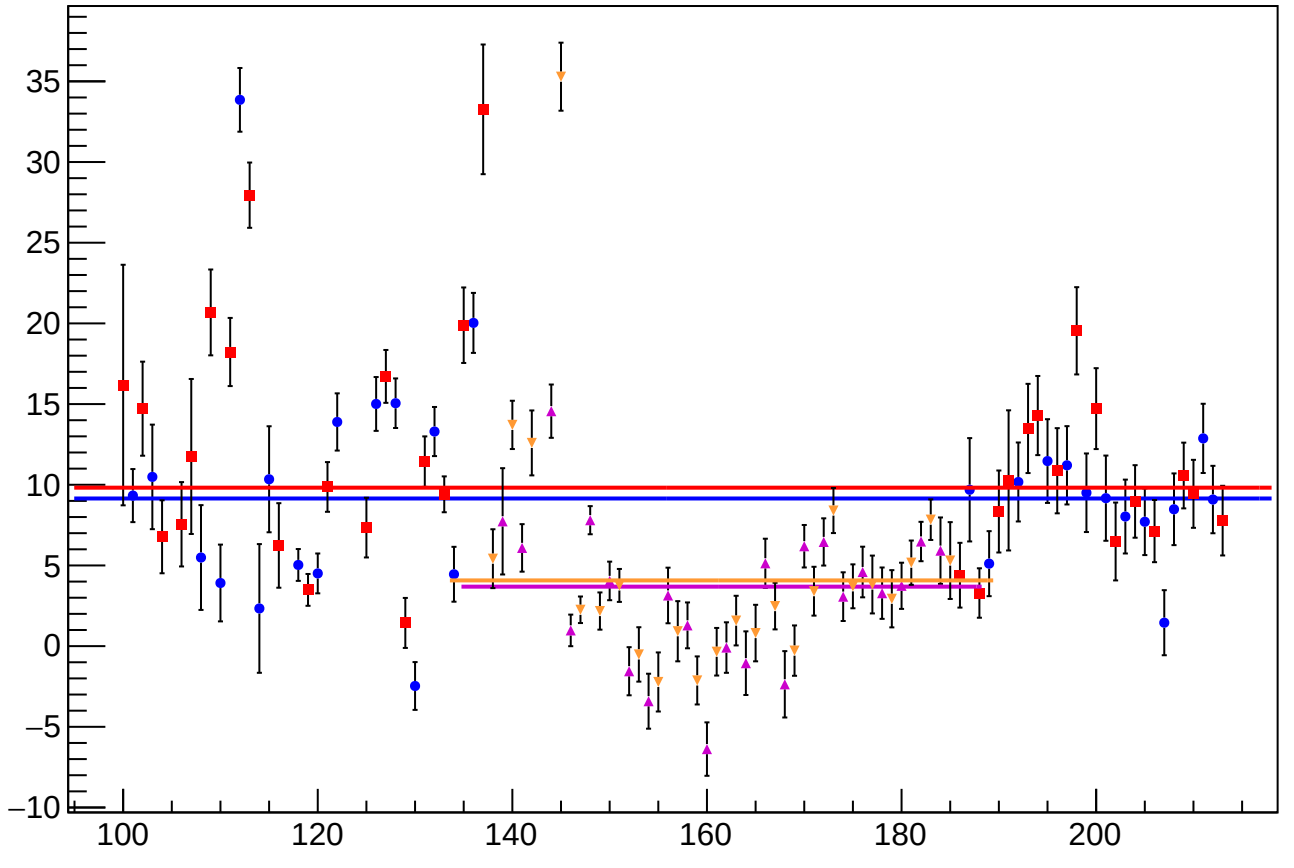
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -63.104+/-0.213 χ^2/NDF: 3448.0/61

In: -68.715+/-0.243 χ^2/NDF:2977.7/51

Out: -68.251+/-0.236 χ^2/NDF:3834.7/56

All: -68.476+/-0.169 χ^2/NDF: 6814.3/108



Right In: 9.149+/-0.355 χ^2/NDF: 366.7/28

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.820+/-0.349 χ^2/NDF: 317.6/32

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

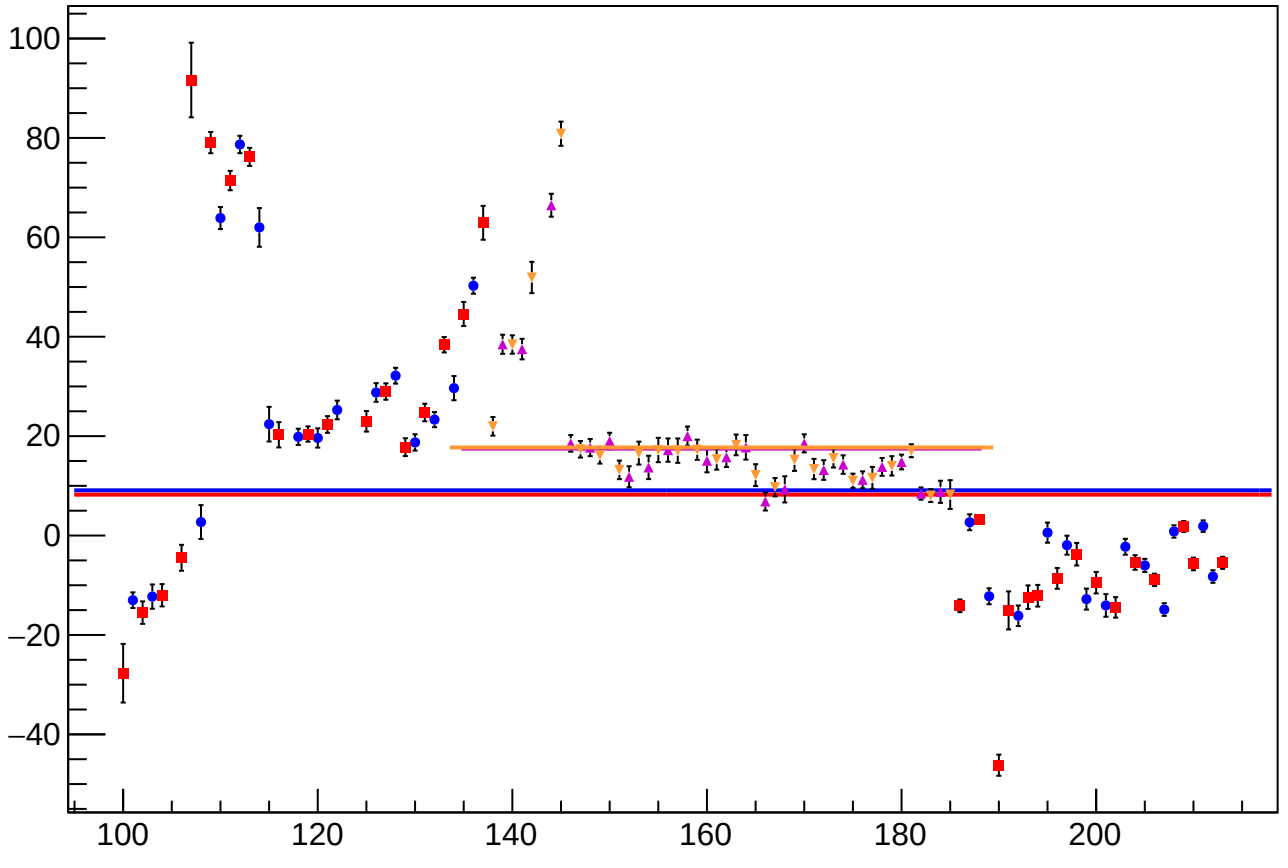
Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

Right: 9.491+/-0.249 χ^2/NDF: 686.1/61

In: 5.974+/-0.230 χ^2/NDF:686.7/51

Out: 6.484+/-0.226 χ^2/NDF:845.5/56

All: 6.234+/-0.161 χ^2/NDF: 1534.7/108



Right In: 9.097+/-0.319 χ^2/NDF: 5396.4/28

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

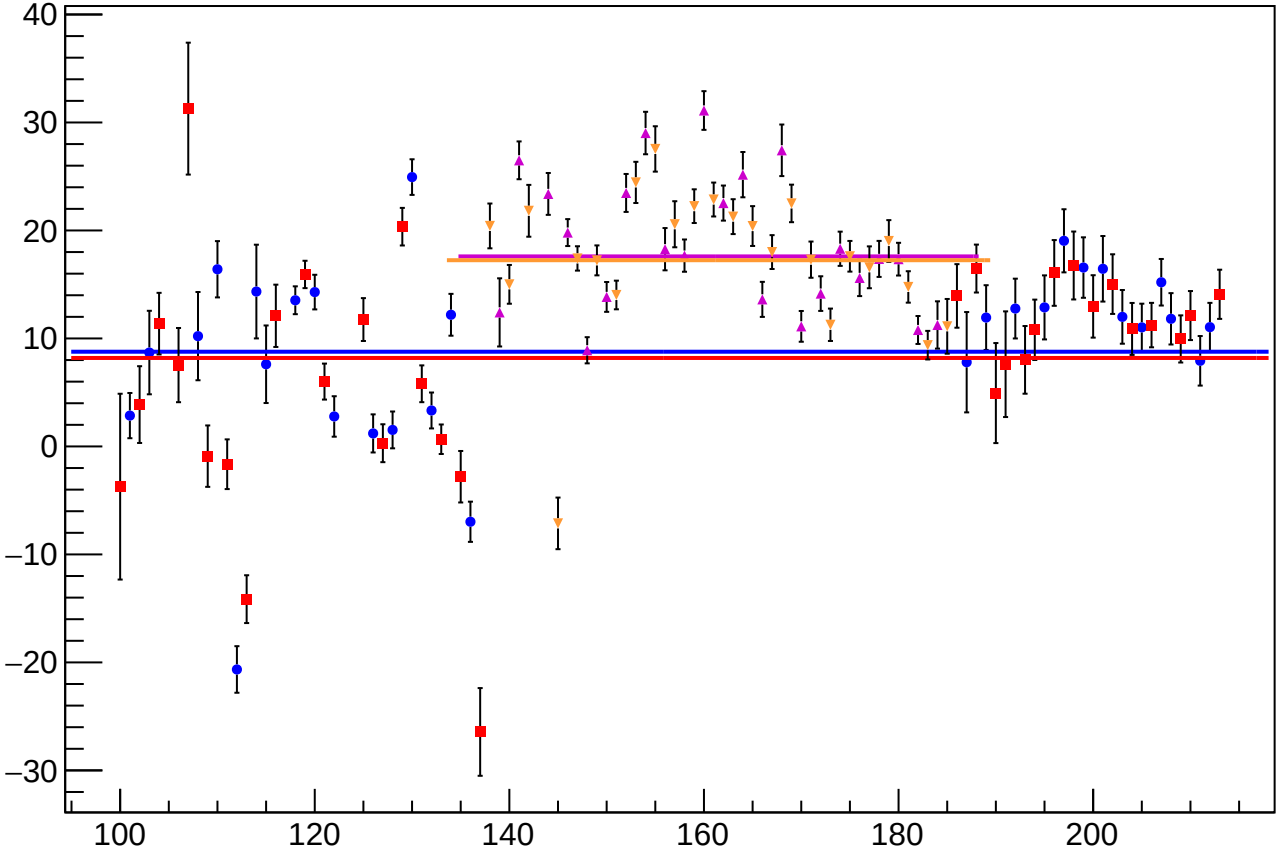
Right: 8.642+/-0.220 χ^2/NDF: 12698.0/61

In: 12.430+/-0.247 χ^2/NDF:6492.6/51

Out: 11.795+/-0.240 χ^2/NDF:8724.0/56

All: 12.102+/-0.172 χ^2/NDF: 15219.9/108

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 8.771+/-0.409 χ^2/NDF: 504.4/28

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

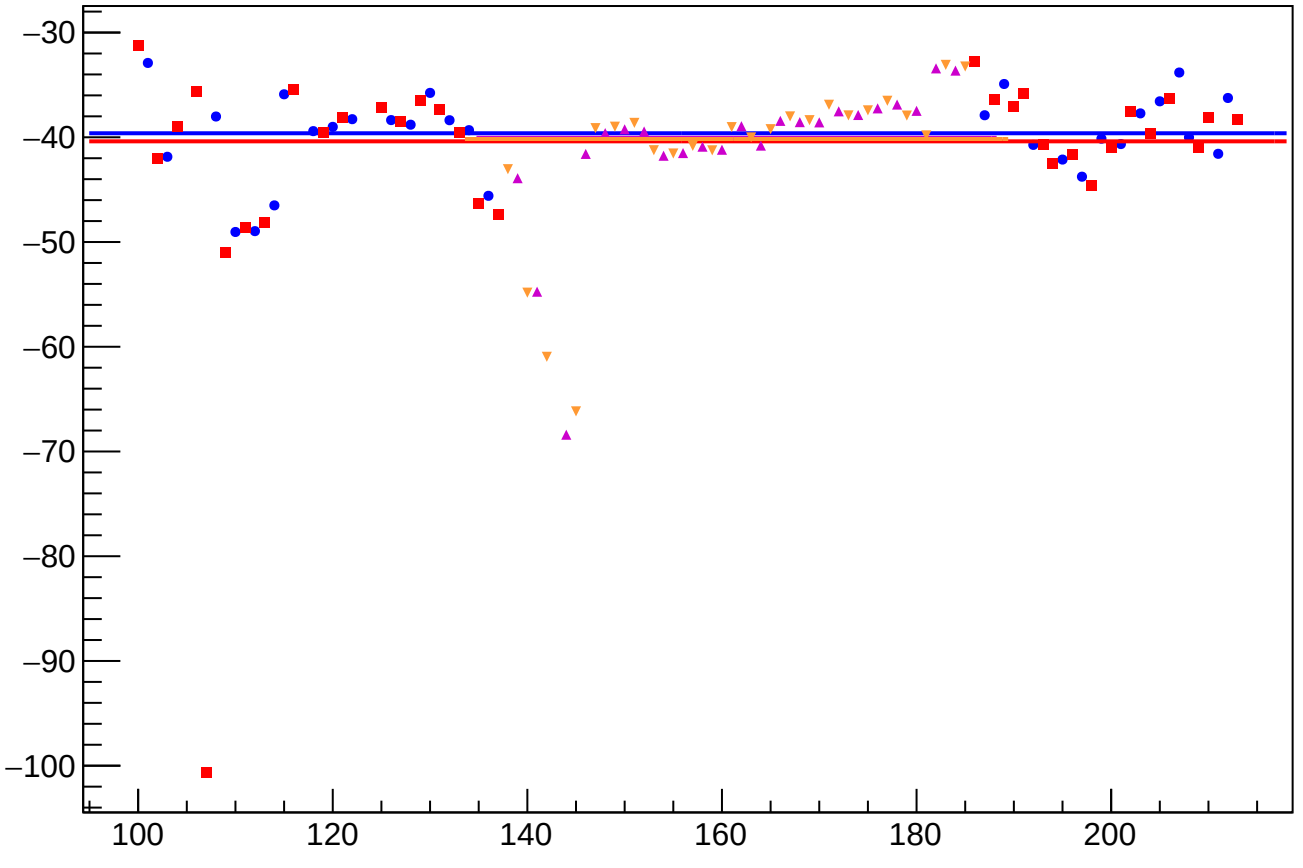
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 8.479+/-0.288 χ^2/NDF: 949.8/61

In: 13.963+/-0.262 χ^2/NDF:1087.9/51

Out: 13.535+/-0.260 χ^2/NDF:999.1/56

All: 13.747+/-0.185 χ^2/NDF: 2088.3/108



Right In: -39.616+/-0.020 χ^2/NDF: 33725.6/28

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

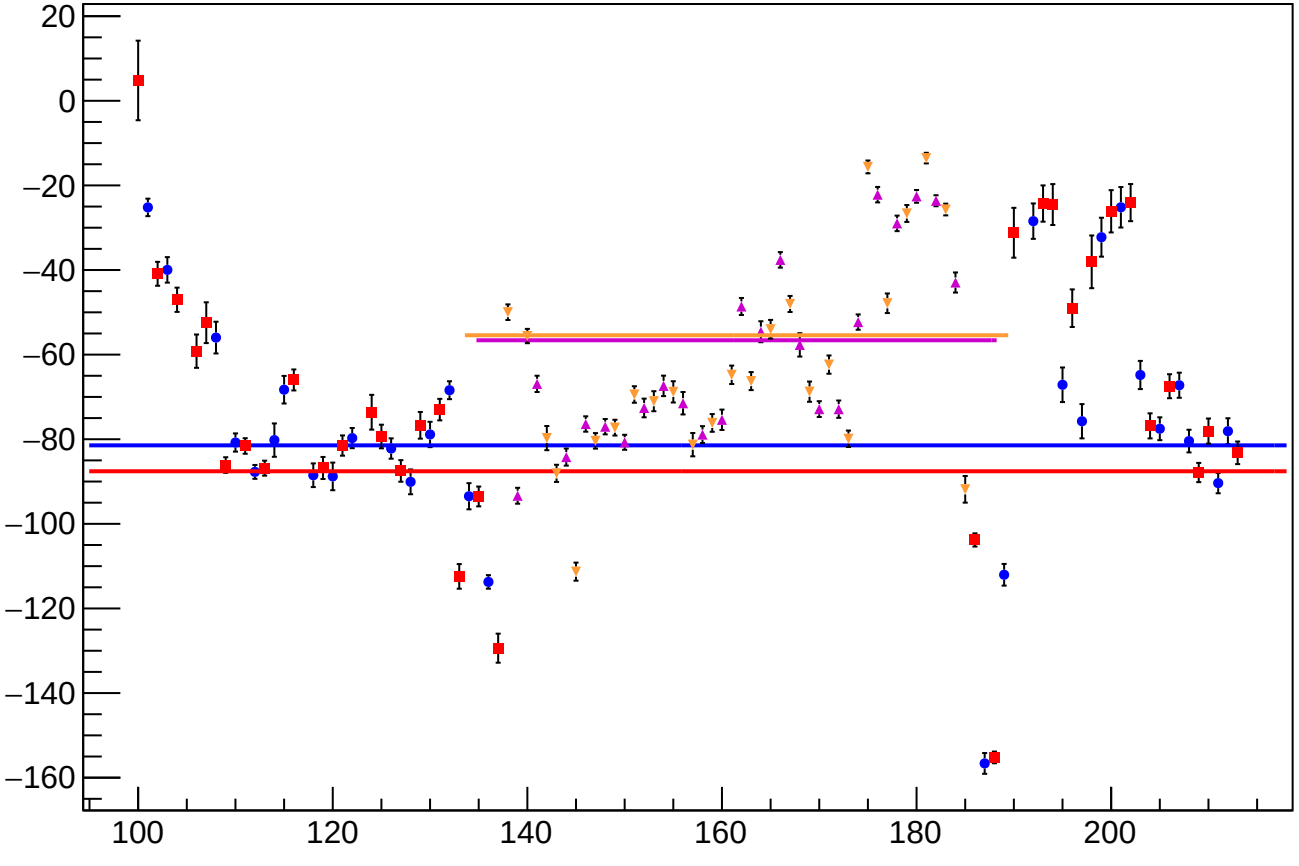
Right: -40.008+/-0.014 χ^2/NDF: 107924.3/61

In: -39.892+/-0.012 χ^2/NDF:170453.1/51

Out: -40.248+/-0.012 χ^2/NDF:236882.9/56

All: -40.071+/-0.009 χ^2/NDF: 407756.6/108

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -81.446+/-0.498 χ^2/NDF: 3061.8/28

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.570+/-0.464 χ^2/NDF: 4615.6/32

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

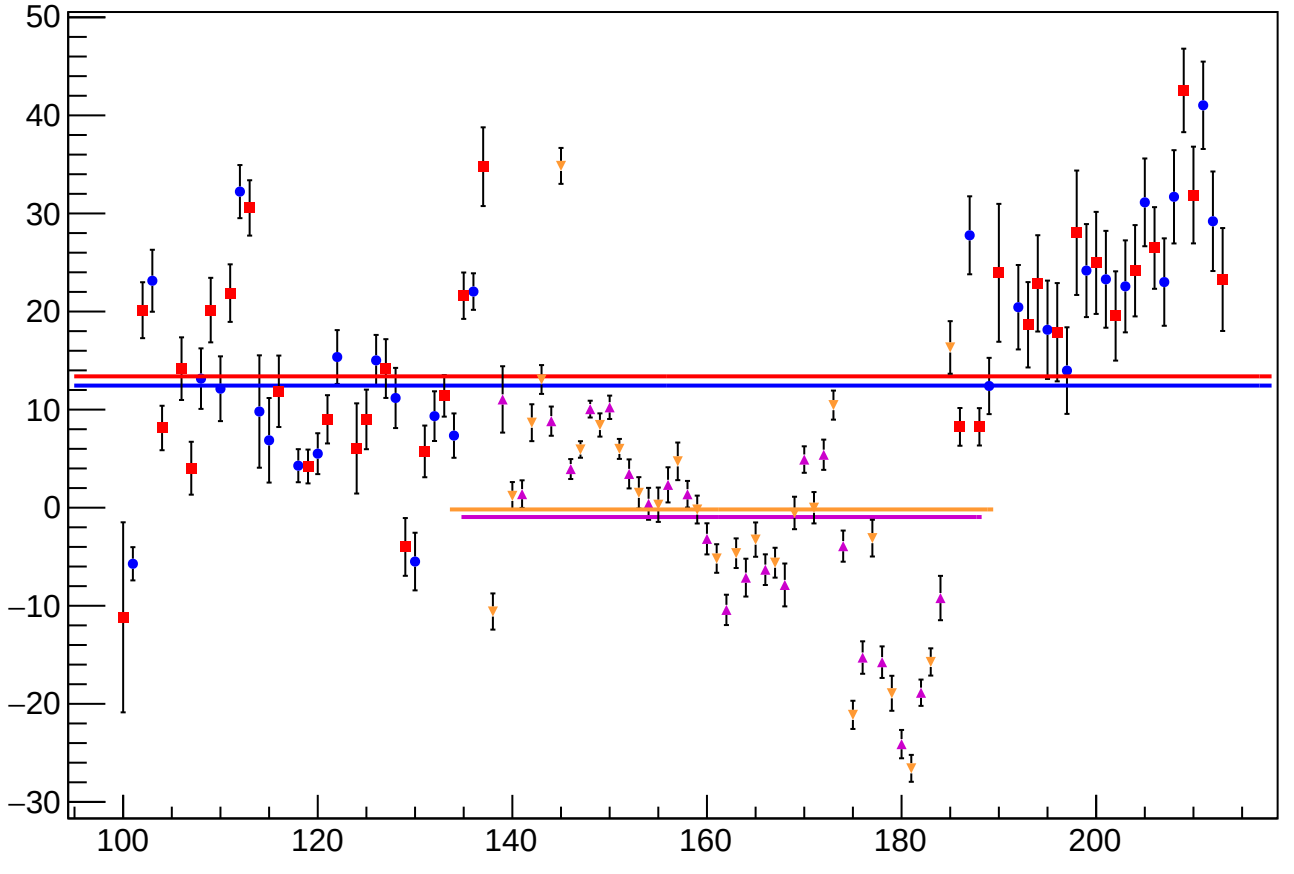
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -84.730+/-0.339 χ^2/NDF: 7758.4/61

In: -66.451+/-0.314 χ^2/NDF:7911.6/51

Out: -68.879+/-0.300 χ^2/NDF:11937.3/57

All: -67.720+/-0.217 χ^2/NDF: 19880.2/109



Right In: 12.450+/-0.552 χ^2/NDF: 415.7/28

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

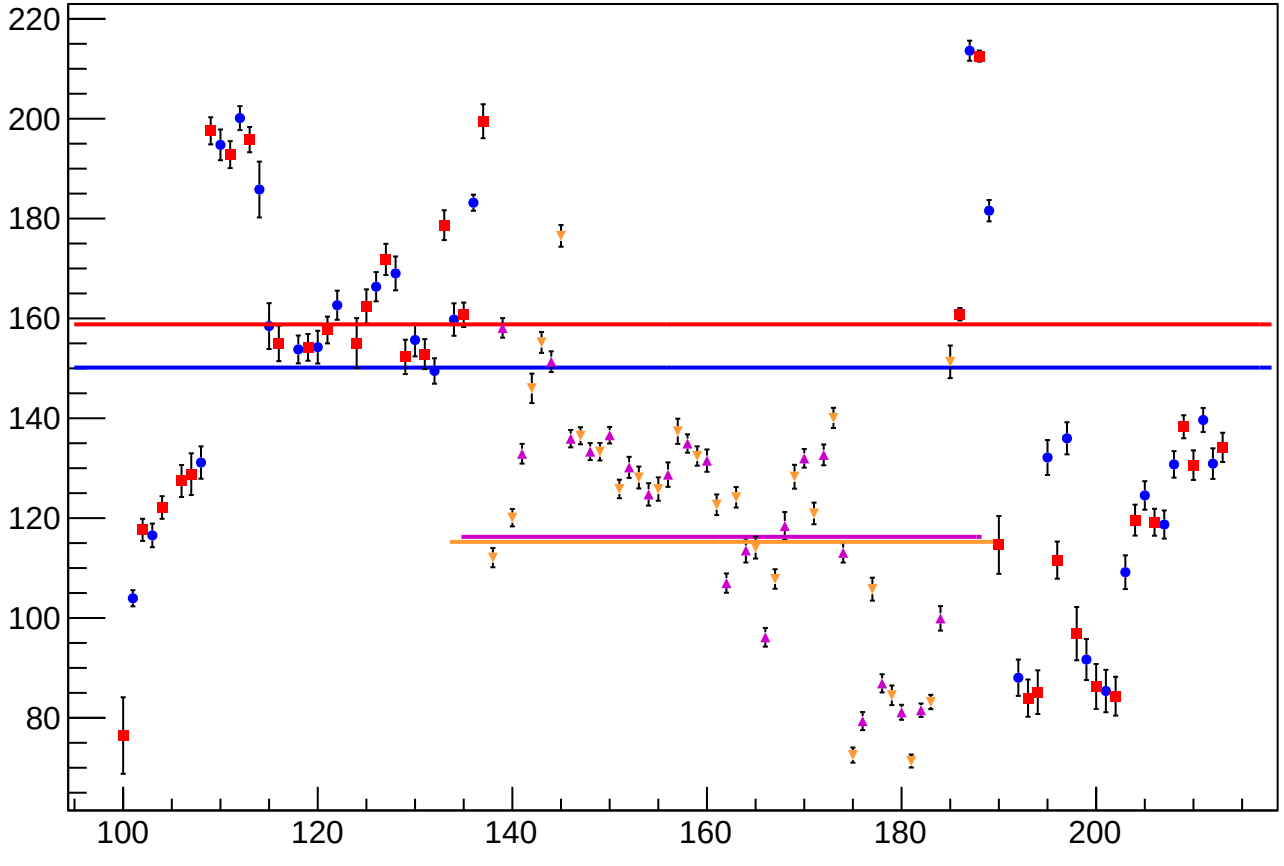
Right: 12.936+/-0.384 χ^2/NDF: 732.1/61

In: 2.170+/-0.266 χ^2/NDF:1937.9/51

Out: 2.983+/-0.258 χ^2/NDF:2409.5/57

All: 2.590+/-0.185 χ^2/NDF: 4352.2/109

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 150.152+/-0.508 χ^2/NDF: 4696.3/28

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

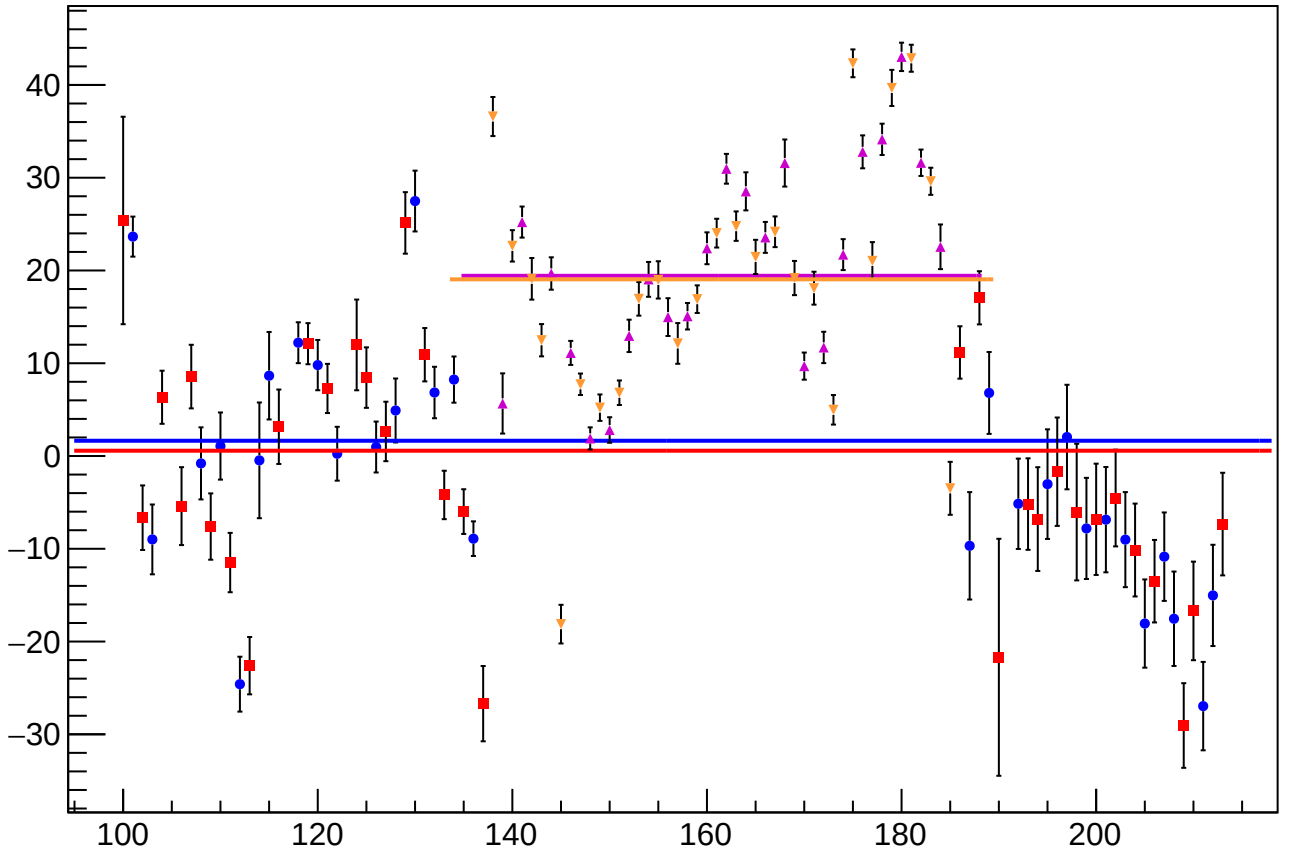
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 154.866+/-0.343 χ^2/NDF: 11148.9/61

In: 129.187+/-0.314 χ^2/NDF:11087.4/51

Out: 133.280+/-0.299 χ^2/NDF:16287.8/57

All: 131.334+/-0.216 χ^2/NDF: 27464.3/109



Right In: 1.645+/-0.639 χ^2/NDF: 432.2/28

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

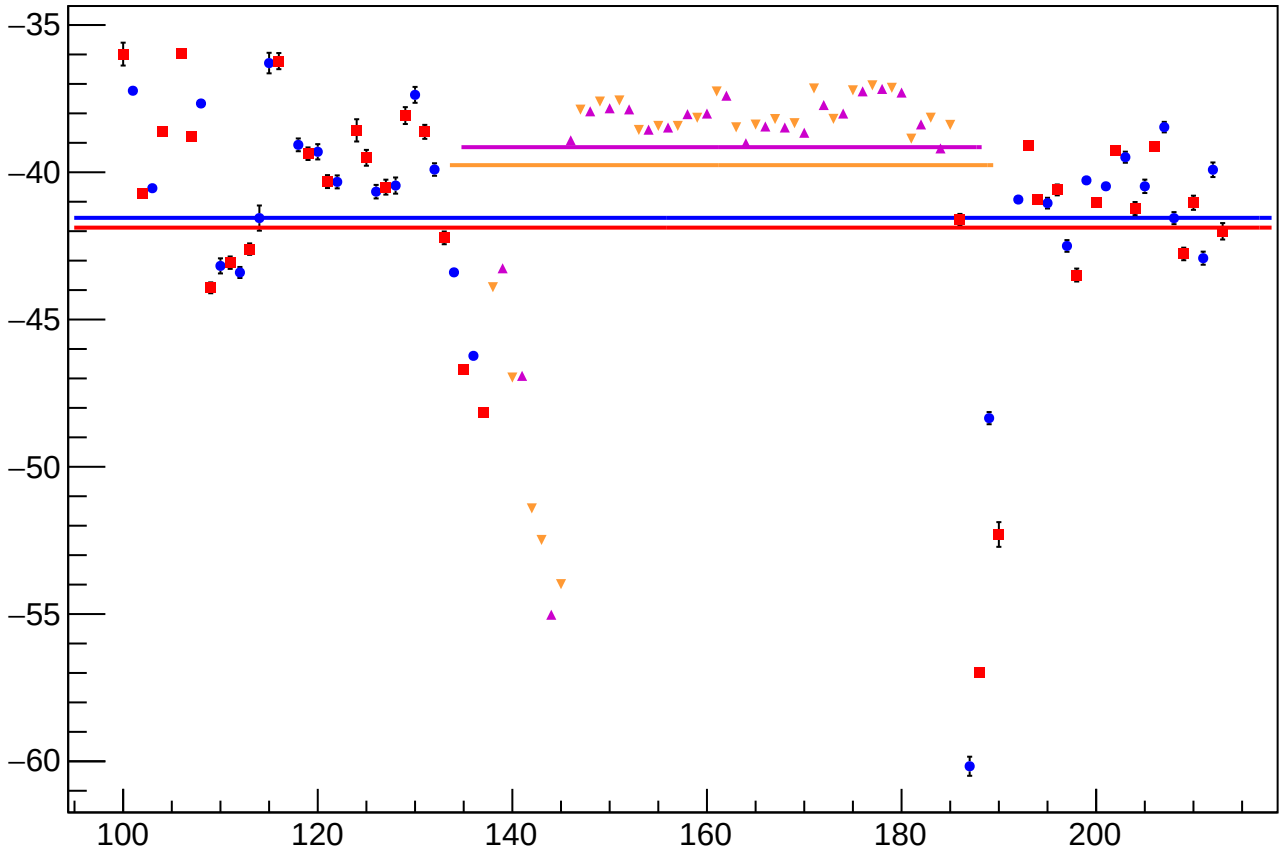
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 1.102+/-0.449 χ^2/NDF: 825.5/61

In: 15.395+/-0.304 χ^2/NDF:2108.9/51

Out: 14.960+/-0.297 χ^2/NDF:2605.8/57

All: 15.172+/-0.212 χ^2/NDF: 4715.8/109



Right In: -41.547+/-0.031 χ^2/NDF: 12971.4/28

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

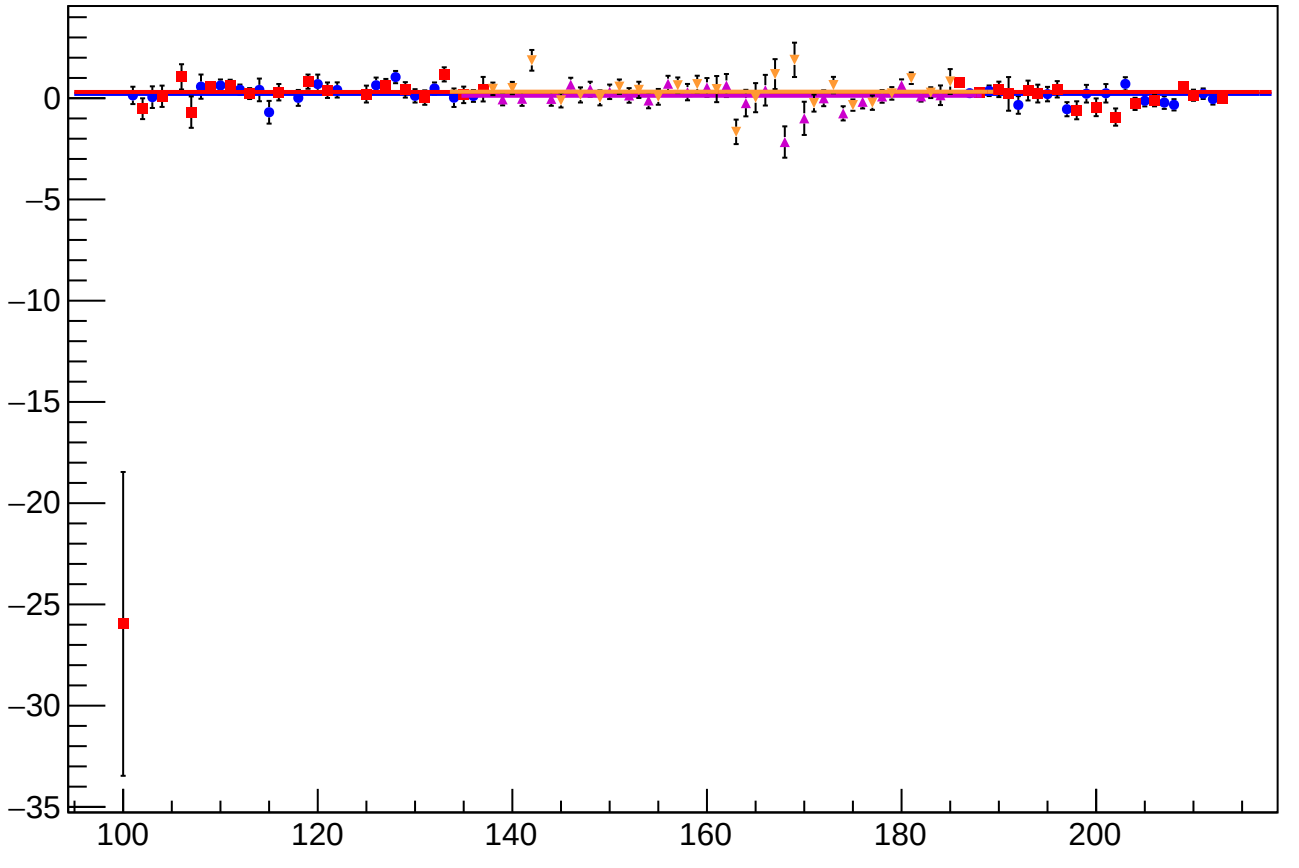
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.713+/-0.022 χ^2/NDF: 32790.9/61

In: -39.632+/-0.014 χ^2/NDF:64648.8/51

Out: -40.176+/-0.014 χ^2/NDF:105348.9/57

All: -39.906+/-0.010 χ^2/NDF: 170766.2/109



Right In: 0.211+/-0.062 χ^2/NDF: 34.3/28

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

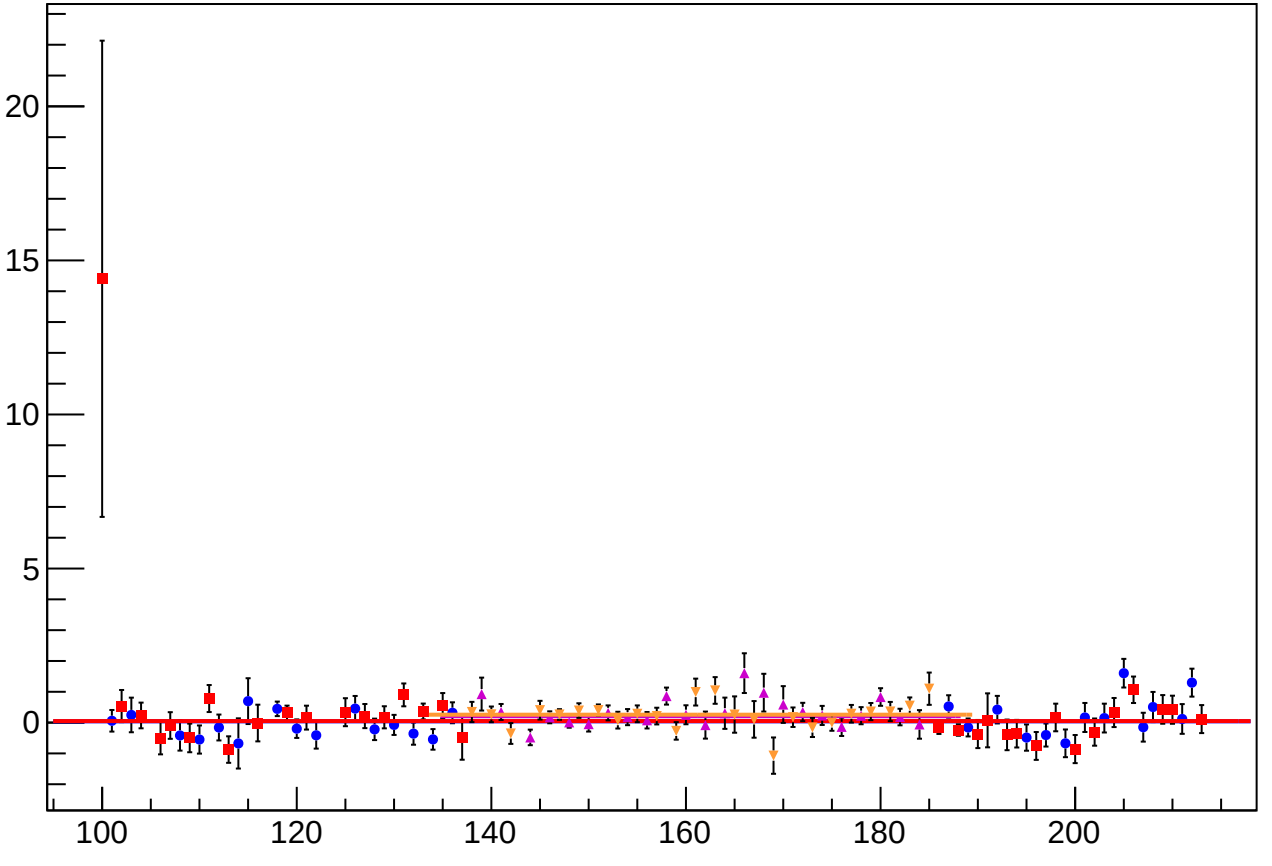
Right: 0.265+/-0.041 χ^2/NDF: 99.2/61

In: 0.176+/-0.049 χ^2/NDF:65.0/51

Out: 0.313+/-0.045 χ^2/NDF:110.5/56

All: 0.250+/-0.033 χ^2/NDF: 179.7/108

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.041+/-0.073 χ^2/NDF: 44.4/28

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

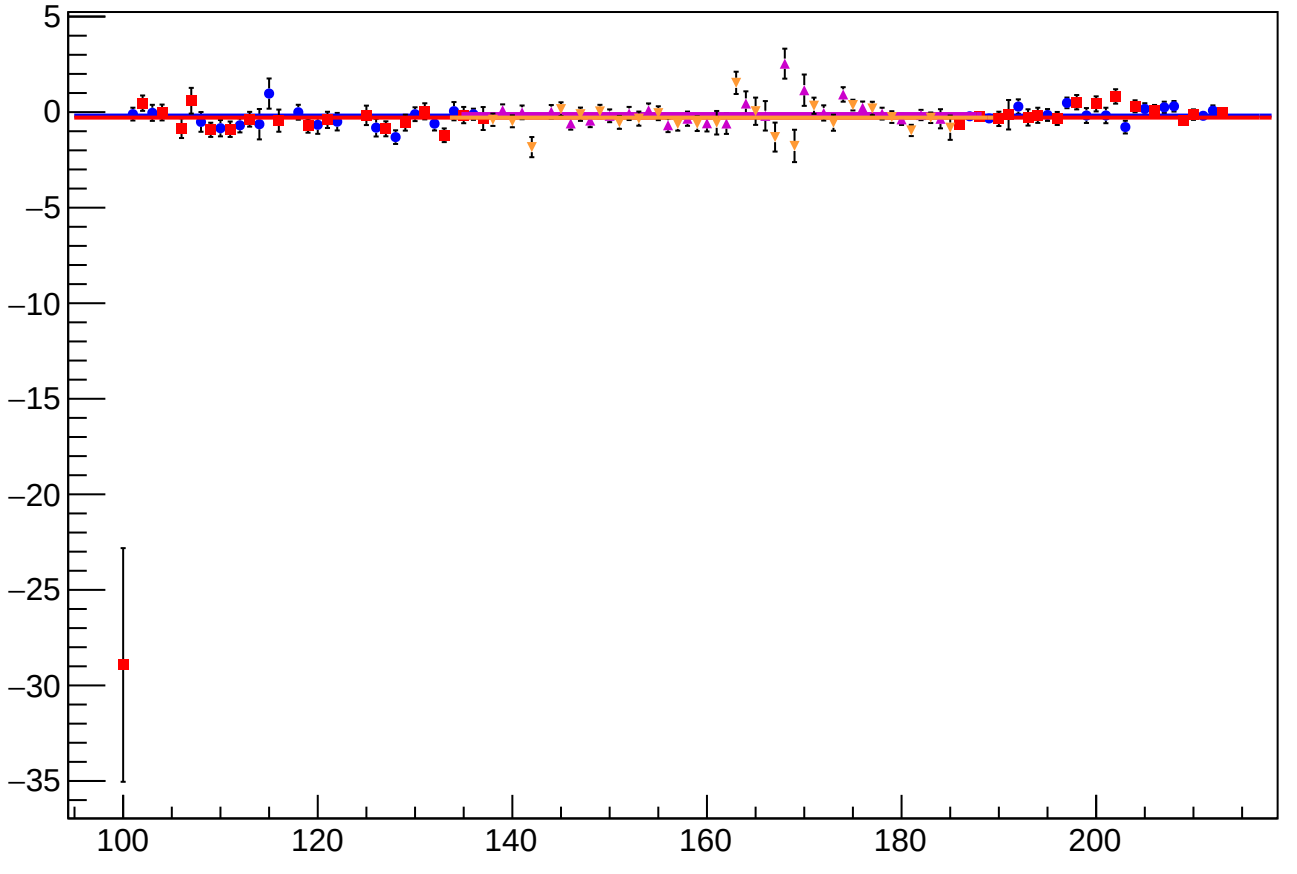
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: 0.045+/-0.050 χ^2/NDF: 90.9/61

In: 0.140+/-0.047 χ^2/NDF:79.4/51

Out: 0.166+/-0.044 χ^2/NDF:78.3/56

All: 0.153+/-0.032 χ^2/NDF: 157.9/108



Right In: -0.180+/-0.062 χ^2/NDF: 41.0/28

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

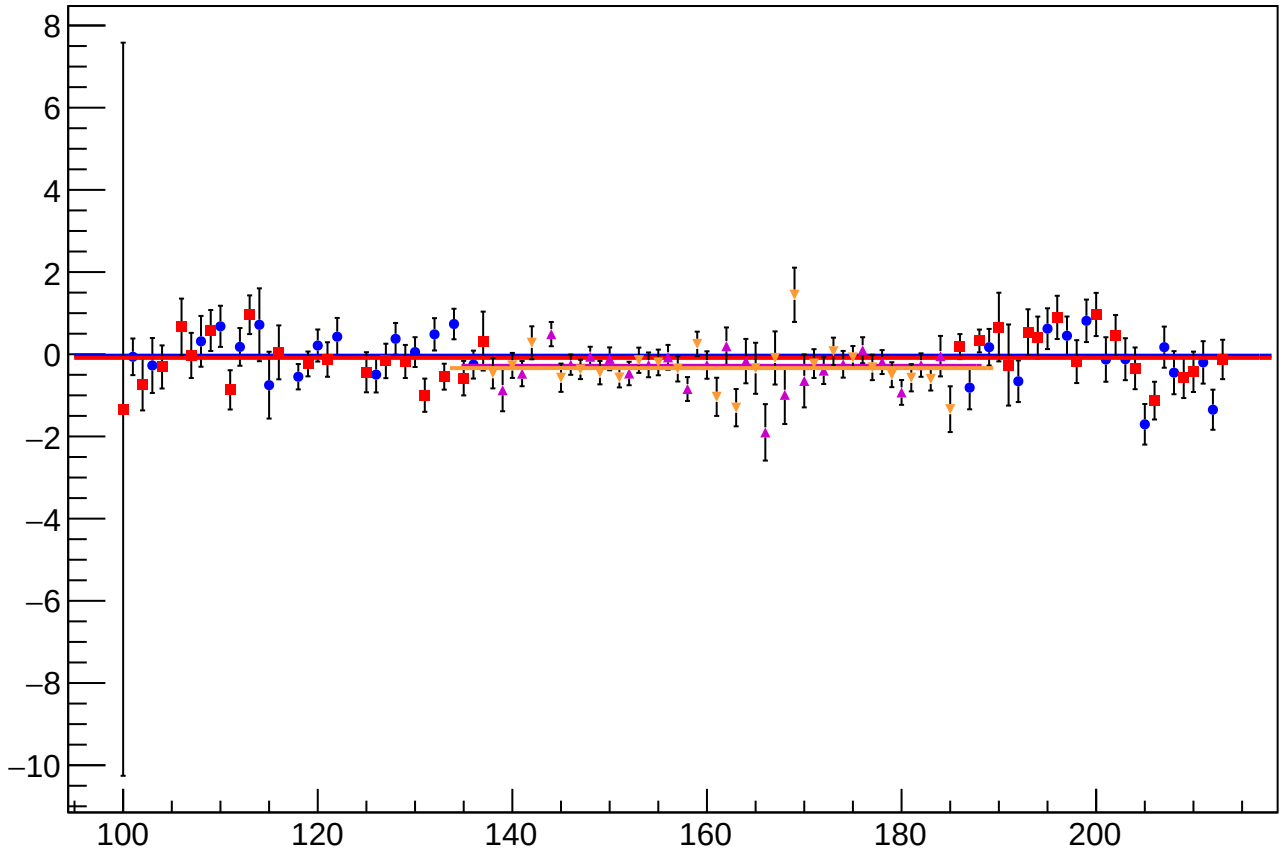
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.242+/-0.040 χ^2/NDF: 119.6/61

In: -0.149+/-0.049 χ^2/NDF:74.9/51

Out: -0.287+/-0.044 χ^2/NDF:121.9/56

All: -0.225+/-0.033 χ^2/NDF: 201.2/108



Right In: -0.035+/-0.085 χ^2/NDF: 46.2/28

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

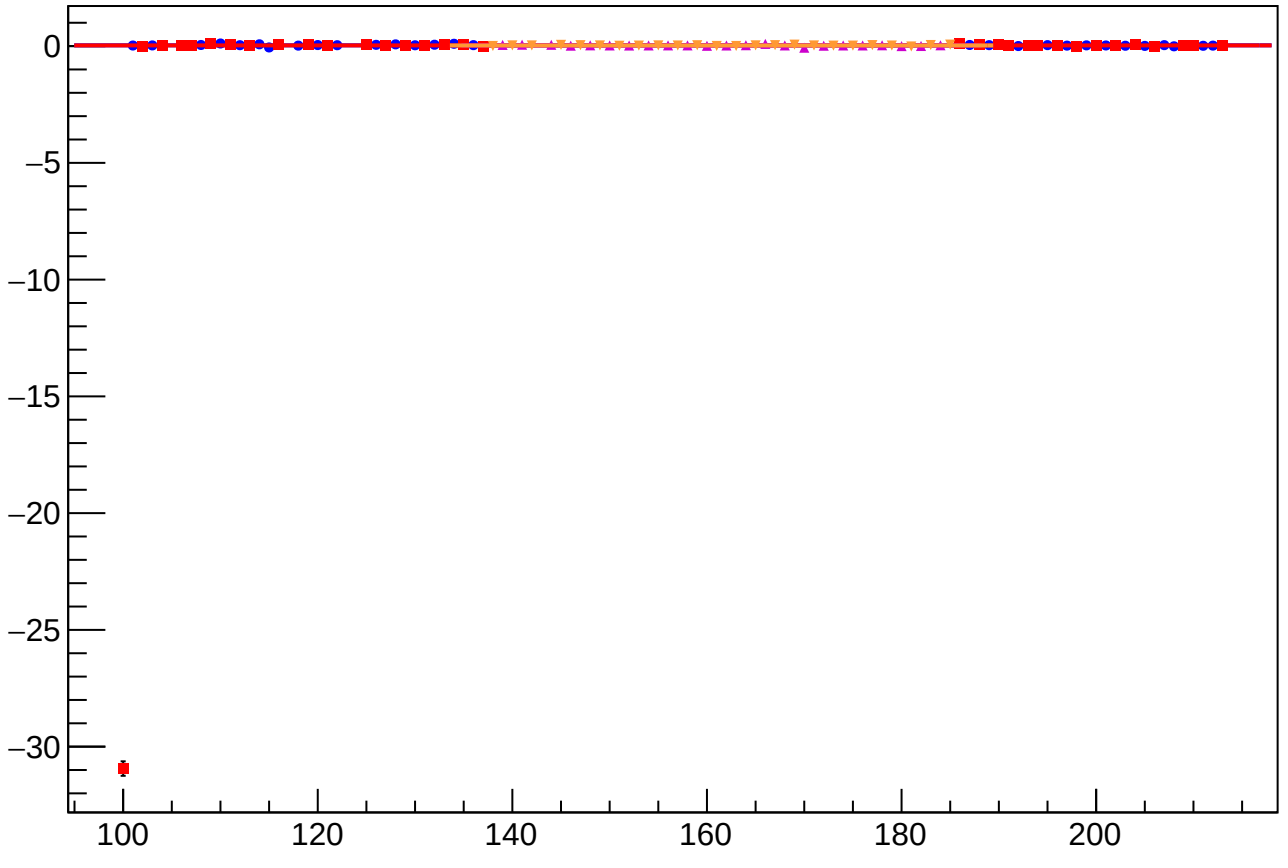
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.063+/-0.059 χ^2/NDF: 89.5/61

In: -0.184+/-0.054 χ^2/NDF:80.3/51

Out: -0.234+/-0.052 χ^2/NDF:78.7/56

All: -0.210+/-0.037 χ^2/NDF: 159.4/108



Right In: 0.034+/-0.004 χ^2/NDF: 37.2/28

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

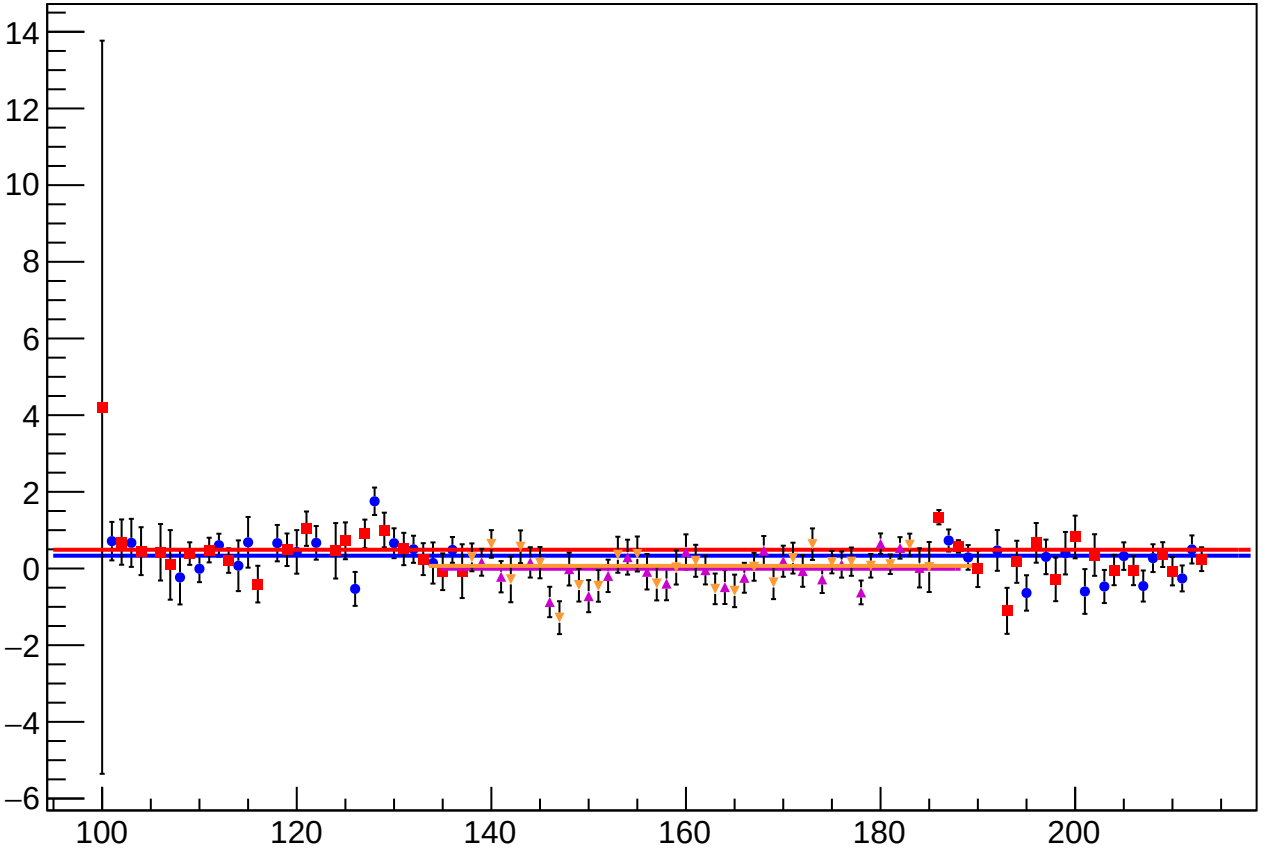
Right: 0.032+/-0.003 χ^2/NDF: 10093.4/61

In: 0.031+/-0.002 χ^2/NDF:76.9/51

Out: 0.029+/-0.002 χ^2/NDF:10083.6/56

All: 0.030+/-0.002 χ^2/NDF: 10161.0/108

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.334+/-0.077 χ^2/NDF: 45.2/28

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.489+/-0.067 χ^2/NDF: 50.3/32

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

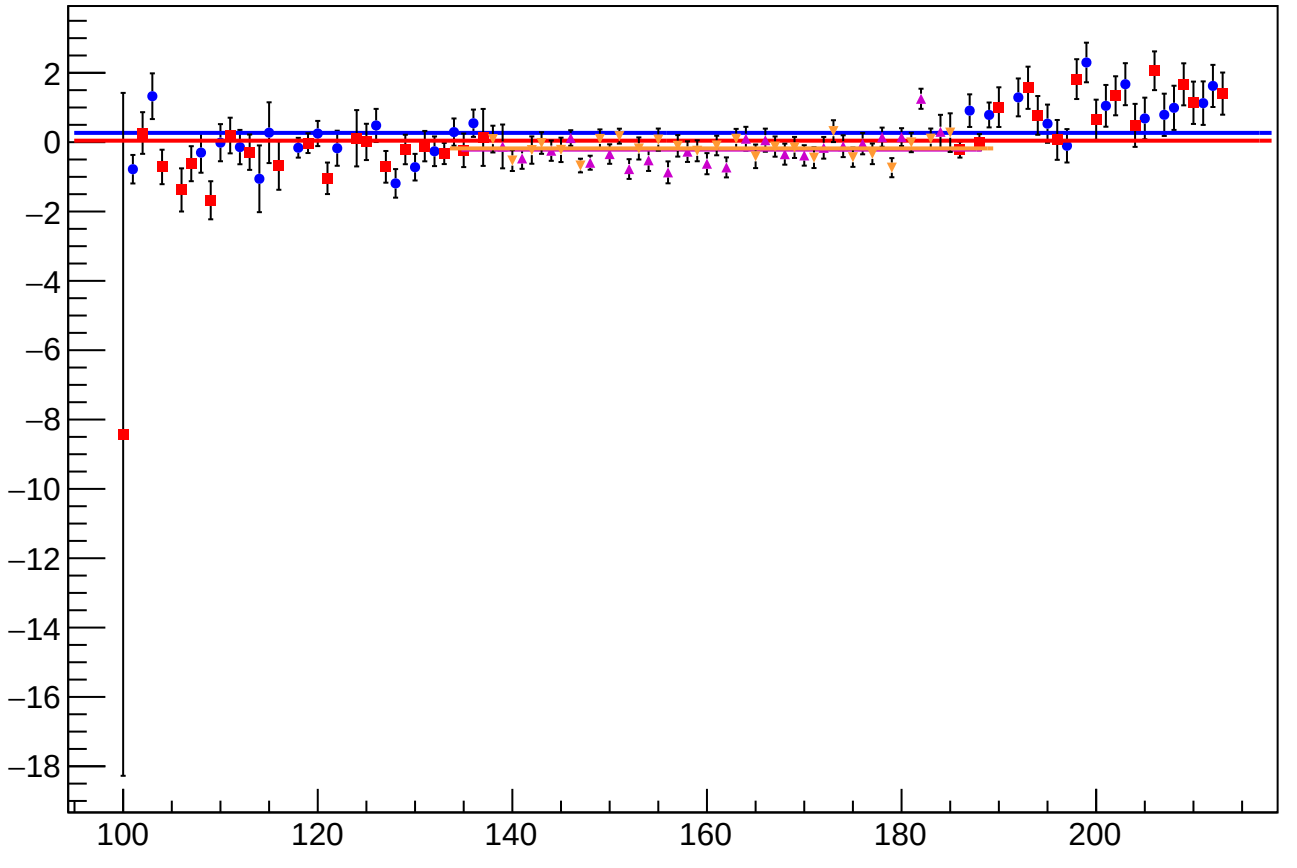
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.422+/-0.051 χ^2/NDF: 97.7/61

In: 0.169+/-0.055 χ^2/NDF:83.1/51

Out: 0.308+/-0.051 χ^2/NDF:98.3/57

All: 0.245+/-0.037 χ^2/NDF: 184.8/109



Right In: 0.268+/-0.089 χ^2/NDF: 74.6/28

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

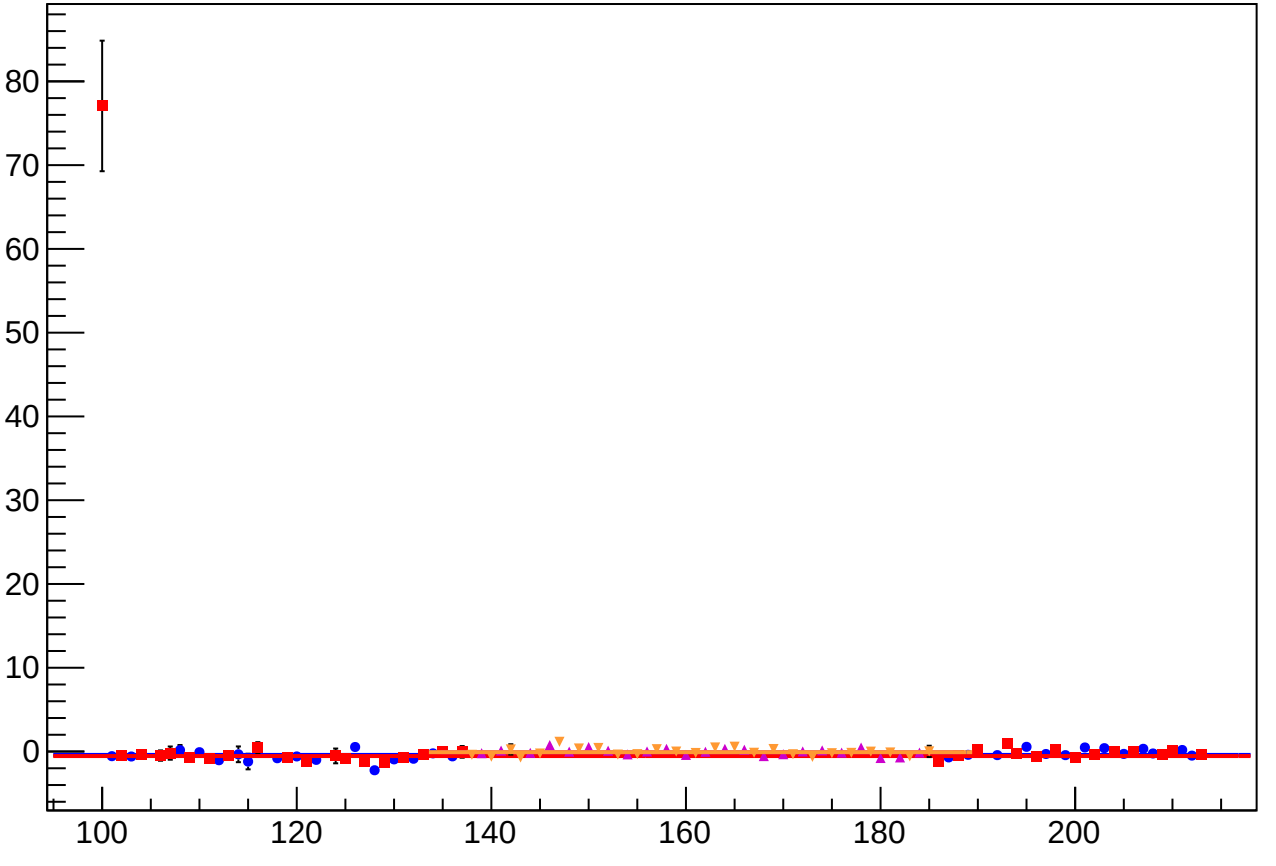
Right: 0.144+/-0.060 χ^2/NDF: 167.3/61

In: -0.060+/-0.051 χ^2/NDF:148.0/51

Out: -0.102+/-0.048 χ^2/NDF:119.0/57

All: -0.082+/-0.035 χ^2/NDF: 267.4/109

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.407+/-0.077 χ^2/NDF: 52.0/28

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

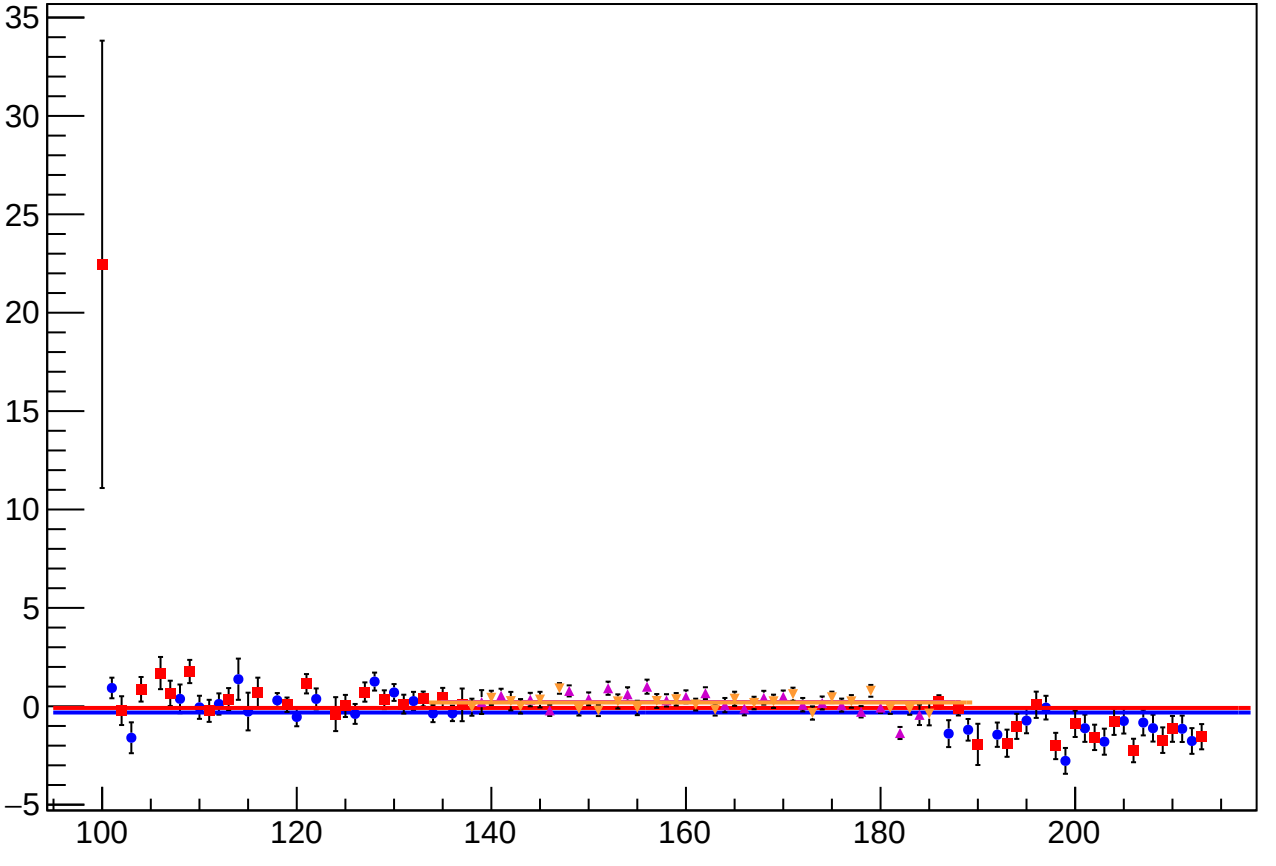
Right: -0.486+/-0.050 χ^2/NDF: 203.3/61

In: -0.245+/-0.055 χ^2/NDF:89.4/51

Out: -0.349+/-0.049 χ^2/NDF:201.0/57

All: -0.303+/-0.037 χ^2/NDF: 292.4/109

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.317+/-0.104 χ^2/NDF: 74.6/28

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

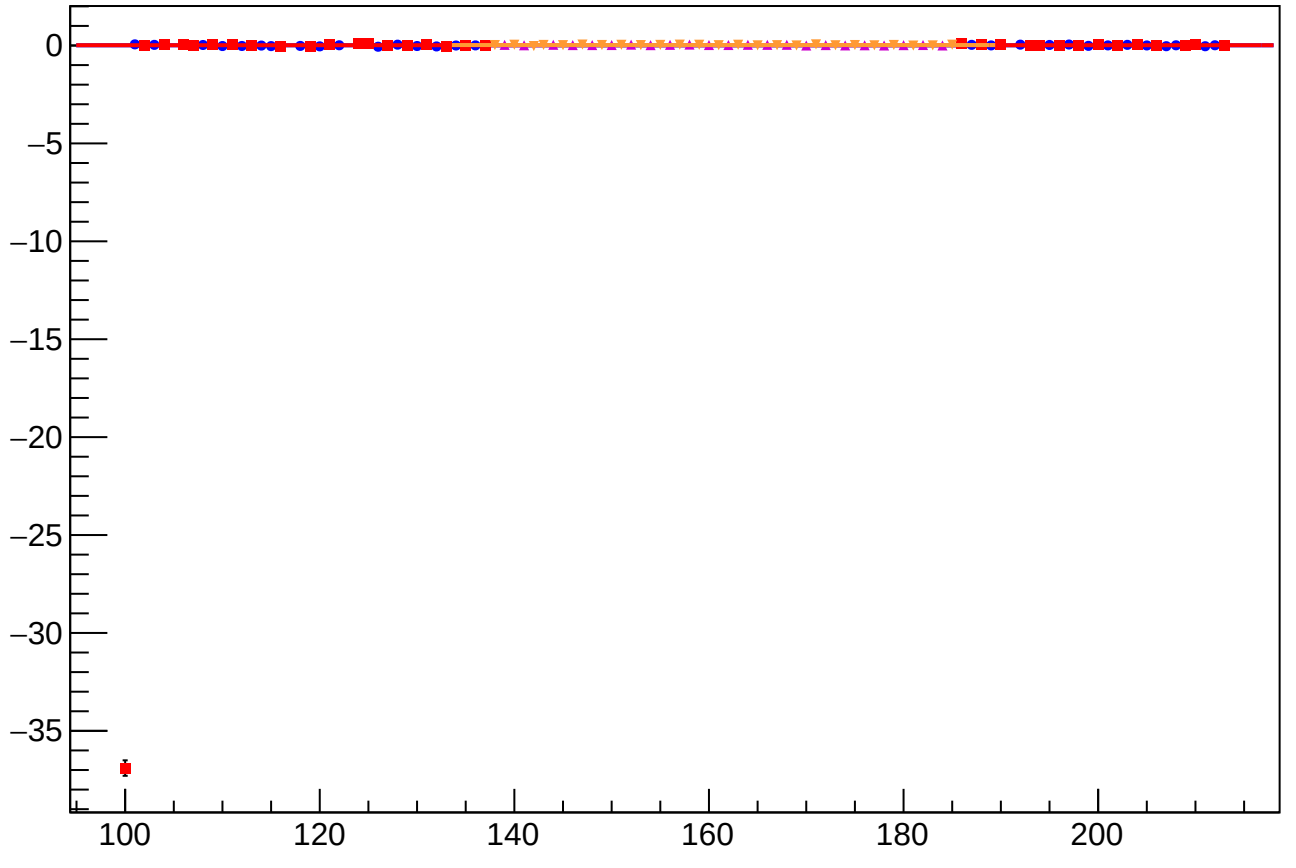
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.193+/-0.071 χ^2/NDF: 170.6/61

In: 0.052+/-0.058 χ^2/NDF:147.8/51

Out: 0.105+/-0.055 χ^2/NDF:124.7/57

All: 0.079+/-0.040 χ^2/NDF: 272.9/109



Right In: 0.010+/-0.005 χ^2/NDF: 34.8/28

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

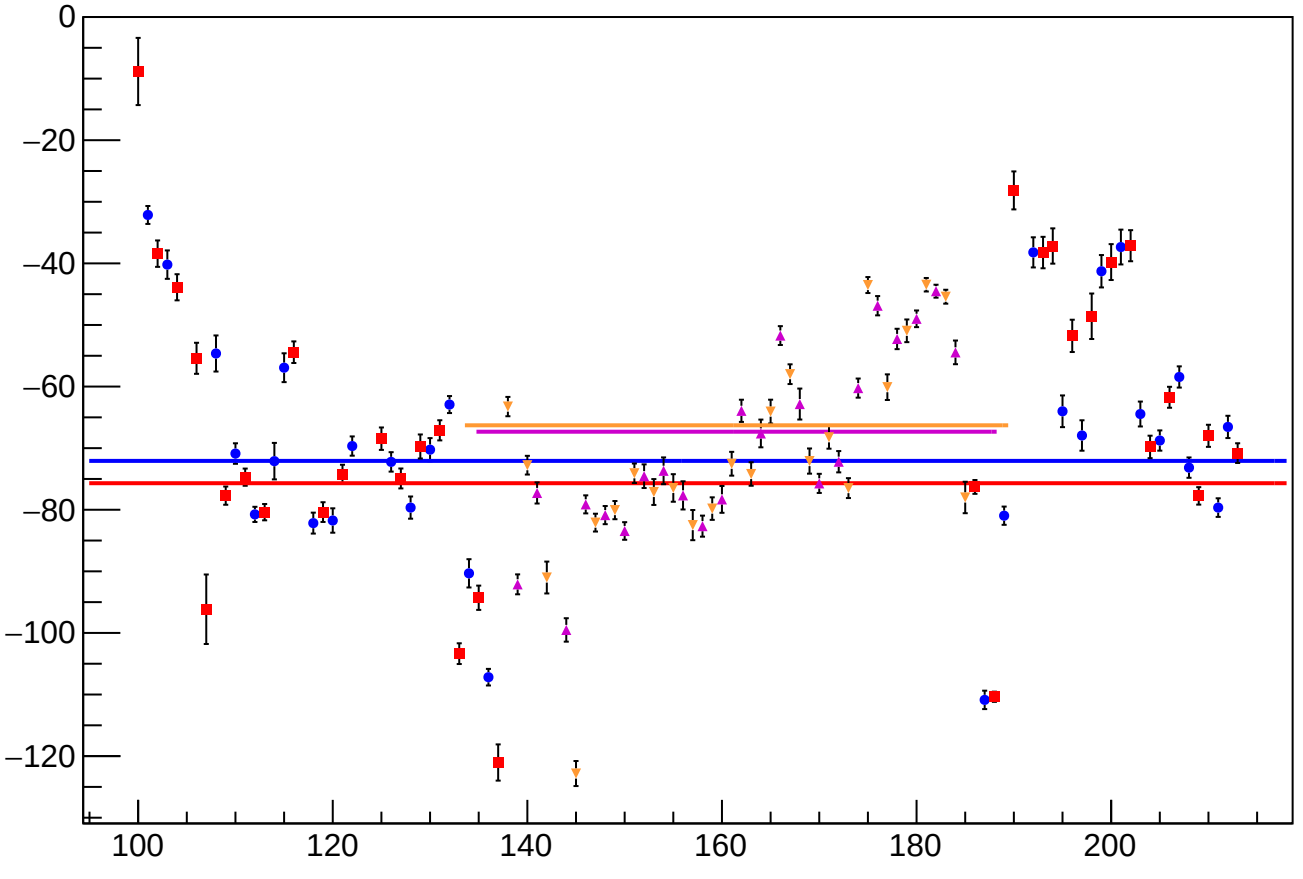
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.012+/-0.003 χ^2/NDF: 8818.3/61

In: 0.020+/-0.003 χ^2/NDF:59.0/51

Out: 0.021+/-0.003 χ^2/NDF:8816.1/57

All: 0.021+/-0.002 χ^2/NDF: 8875.1/109



Right In: -72.068+/-0.332 χ^2/NDF: 3253.6/28

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

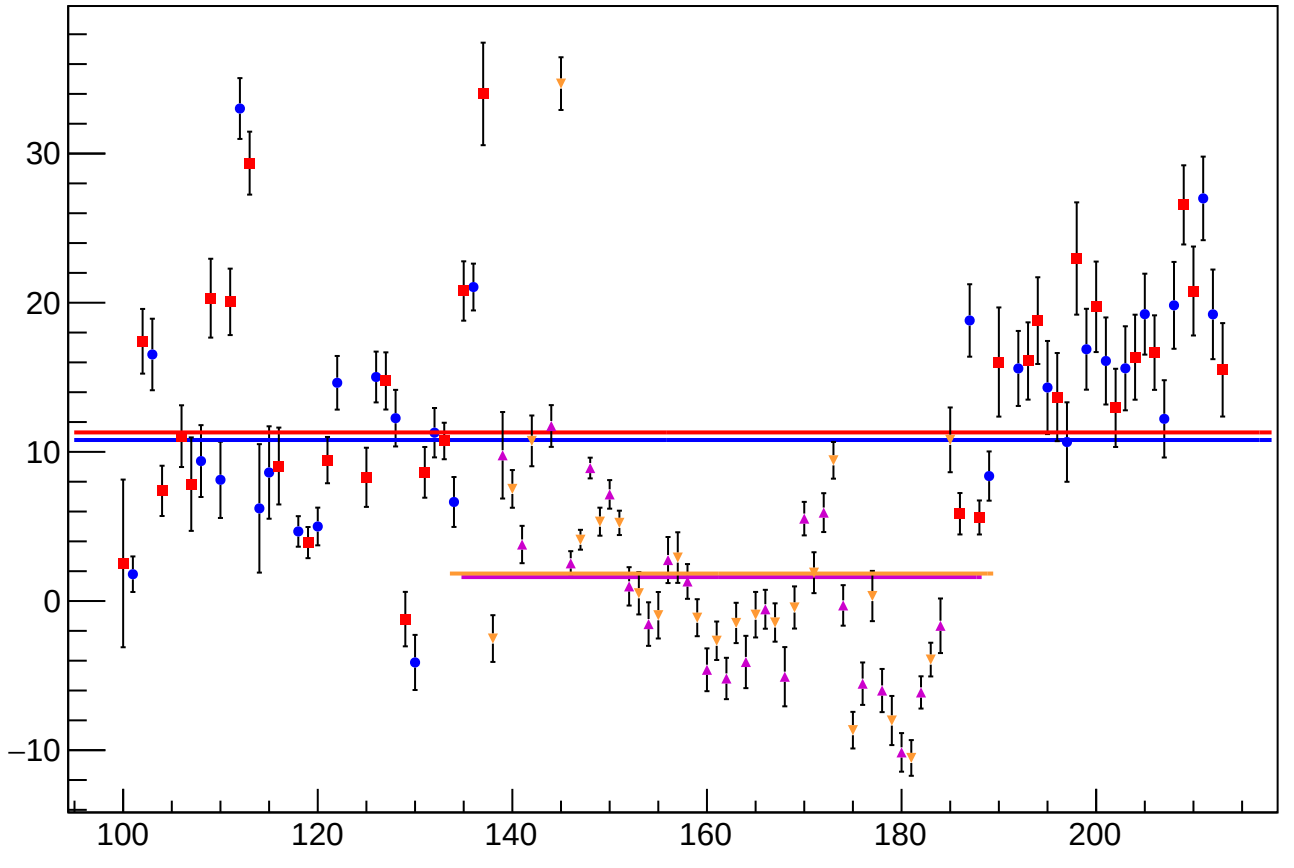
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -74.000+/-0.227 χ^2/NDF: 7912.3/60

In: -69.792+/-0.239 χ^2/NDF:5454.1/51

Out: -71.466+/-0.230 χ^2/NDF:7557.4/55

All: -70.660+/-0.166 χ^2/NDF: 13036.9/107



Right In: 10.795+/-0.365 χ^2/NDF: 457.0/28

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

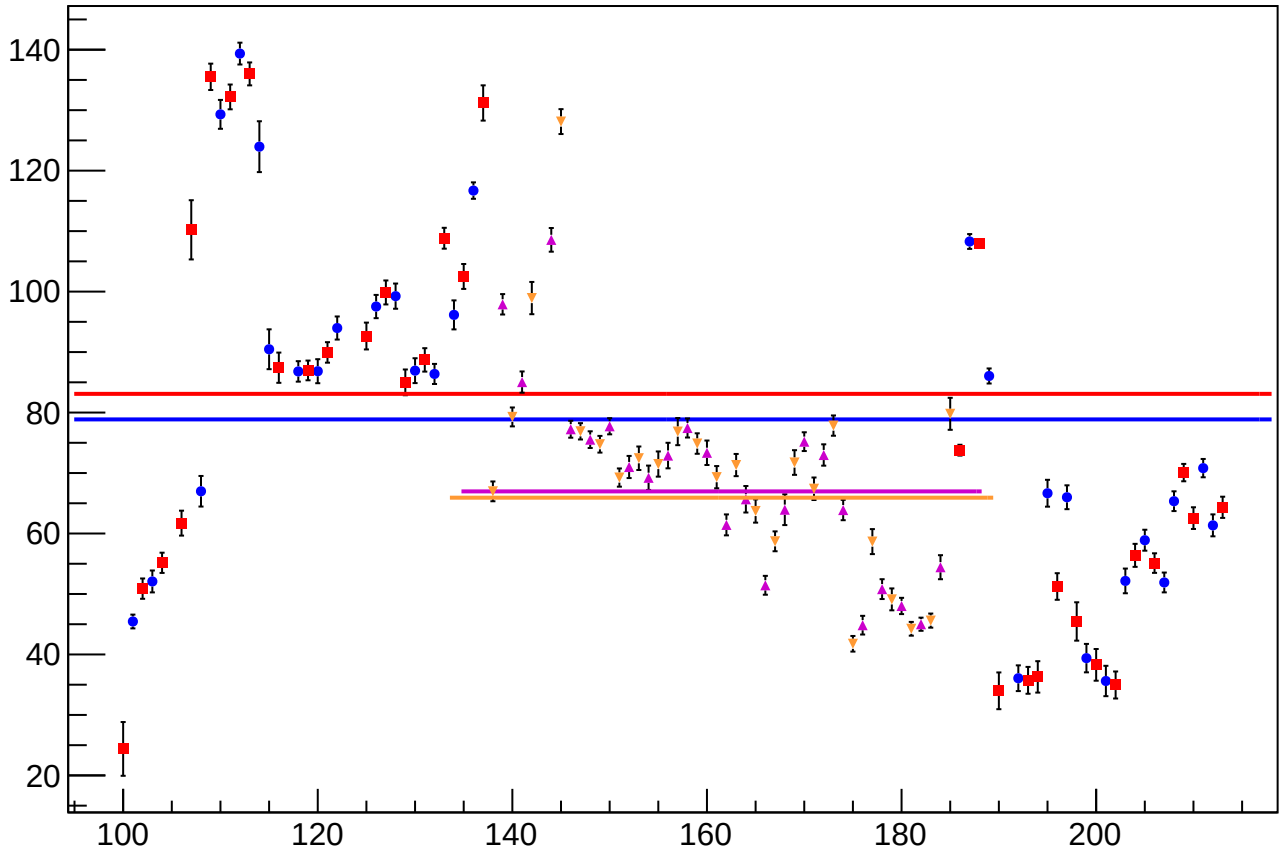
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 11.056+/-0.255 χ^2/NDF: 872.2/60

In: 4.670+/-0.211 χ^2/NDF:1375.4/51

Out: 5.036+/-0.207 χ^2/NDF:1662.5/55

All: 4.856+/-0.148 χ^2/NDF: 3039.4/107



Right In: 78.866+/-0.334 χ^2/NDF: 6378.6/28

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

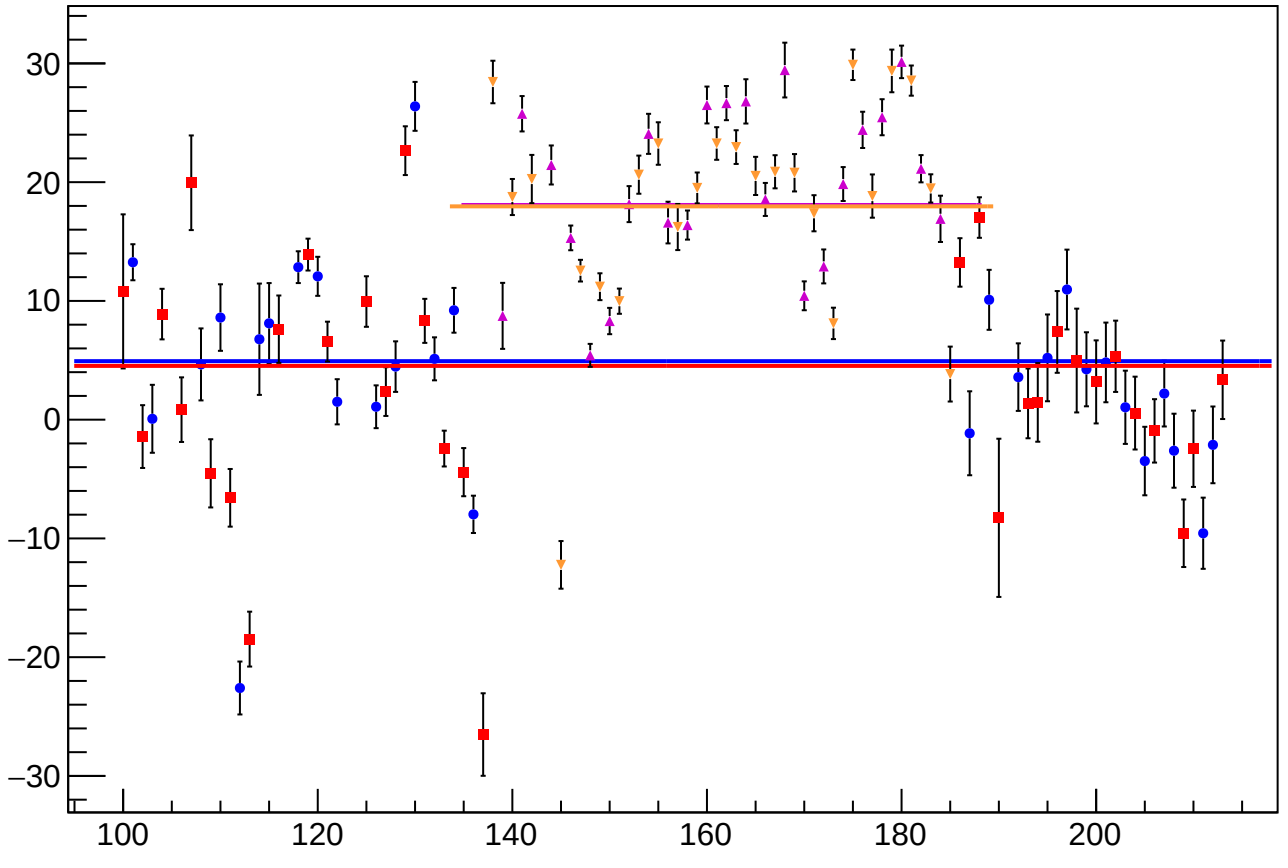
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 81.166+/-0.226 χ^2/NDF: 14538.7/60

In: 73.035+/-0.239 χ^2/NDF:9220.6/51

Out: 75.422+/-0.228 χ^2/NDF:12035.3/55

All: 74.286+/-0.165 χ^2/NDF: 21308.2/107



Right In: 4.928+/-0.428 χ^2/NDF: 486.8/28

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

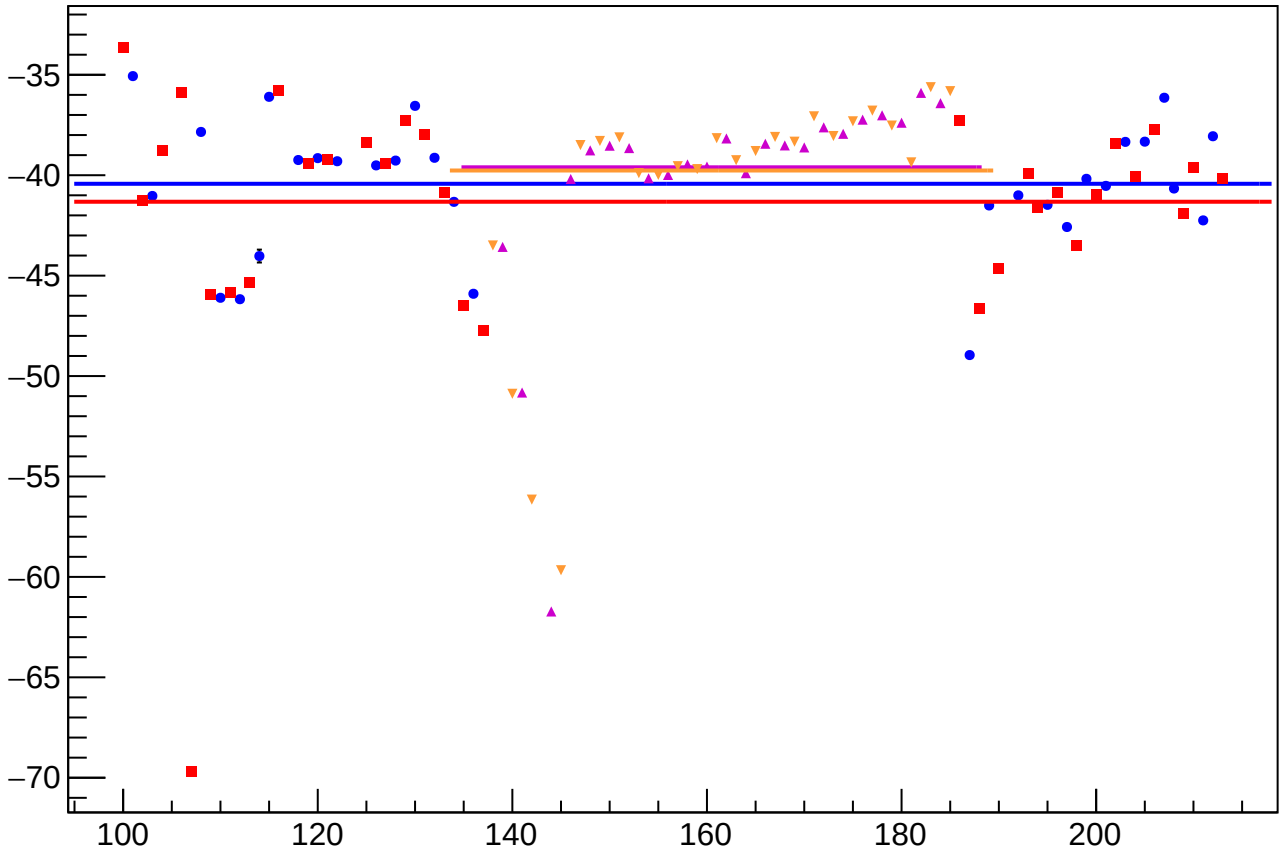
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 4.727+/-0.301 χ^2/NDF: 1019.7/60

In: 13.842+/-0.243 χ^2/NDF:1732.9/51

Out: 13.648+/-0.241 χ^2/NDF:1944.7/55

All: 13.744+/-0.171 χ^2/NDF: 3677.9/107



Right In: -40.427+/-0.021 χ^2/NDF: 23290.8/28

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

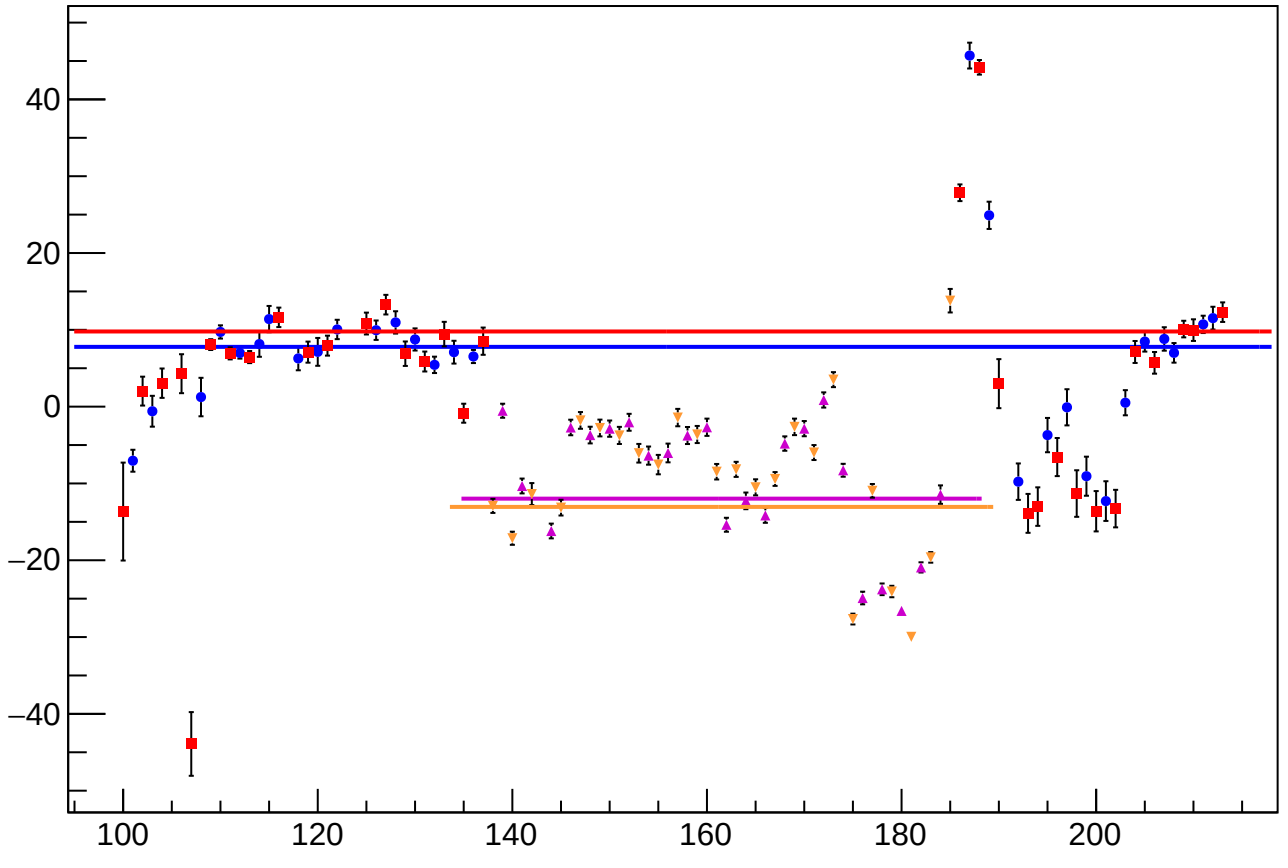
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -40.875+/-0.015 χ^2/NDF: 69021.1/60

In: -39.842+/-0.011 χ^2/NDF:131010.1/51

Out: -40.218+/-0.011 χ^2/NDF:178607.7/55

All: -40.029+/-0.008 χ^2/NDF: 310171.5/107



Right In: 7.782+/-0.256 χ^2/NDF: 994.9/28

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.786+/-0.241 χ^2/NDF: 2391.3/31

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

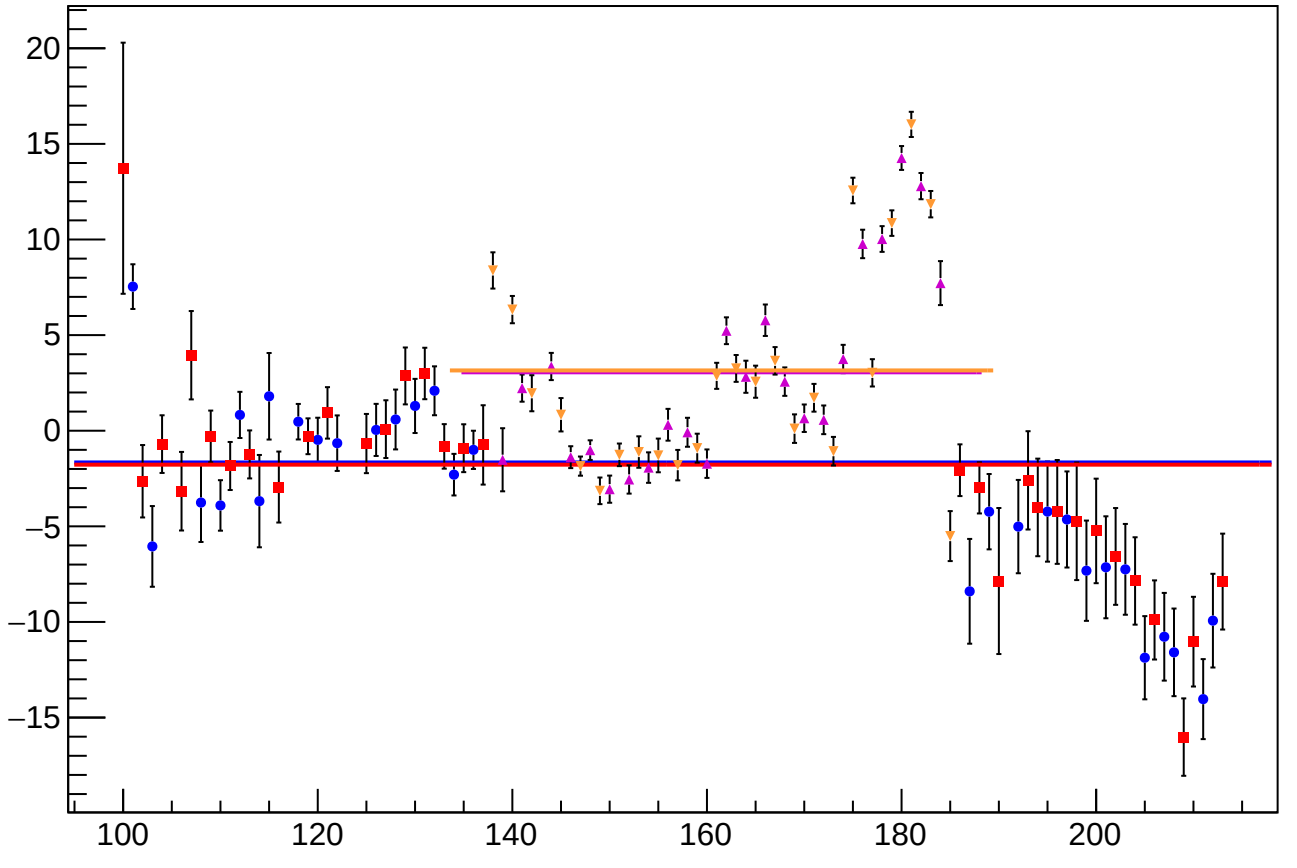
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 8.844+/-0.176 χ^2/NDF: 3418.6/60

In: -4.705+/-0.155 χ^2/NDF:6932.3/51

Out: -4.159+/-0.151 χ^2/NDF:10726.9/55

All: -4.423+/-0.108 χ^2/NDF: 17665.5/107



Right In: -1.660+/-0.296 χ^2/NDF: 231.0/28

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

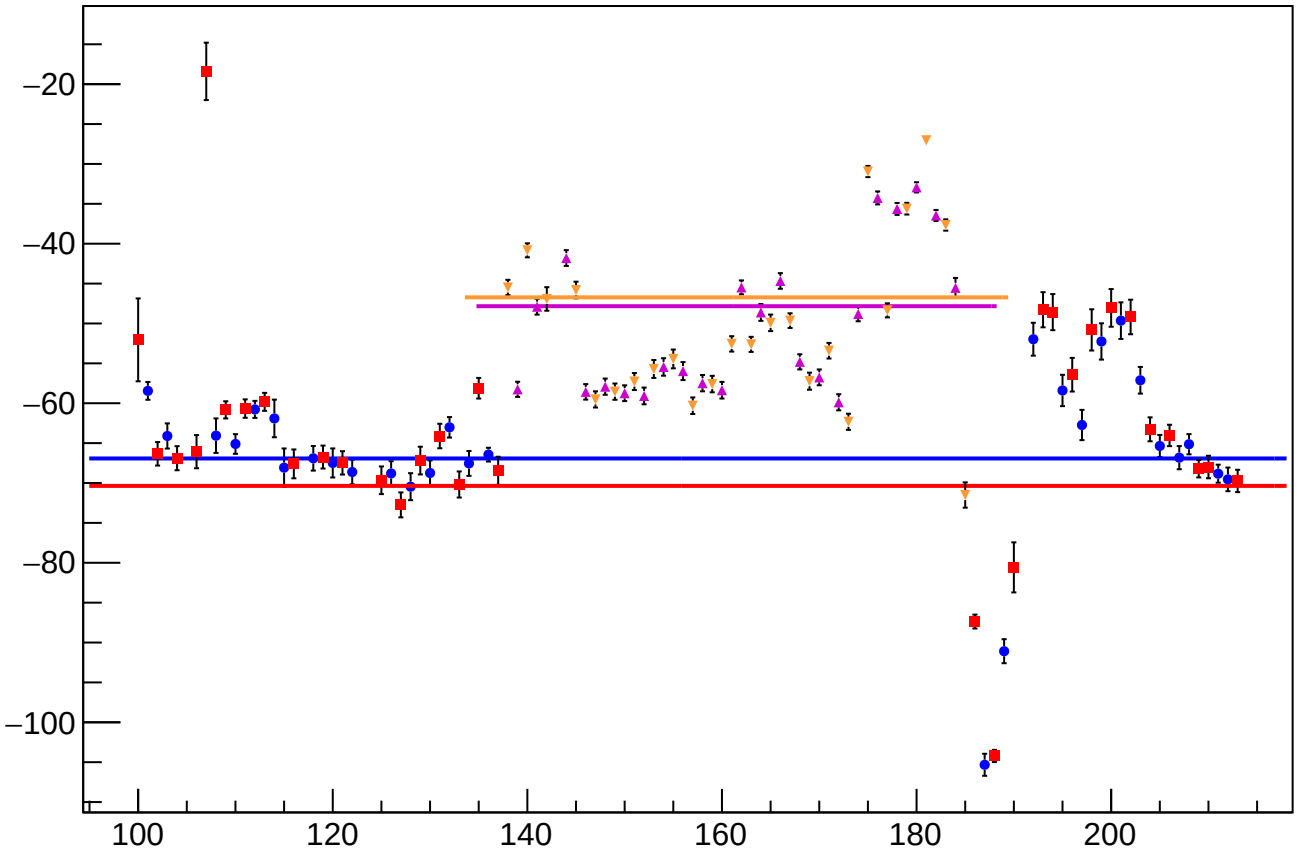
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -1.717+/-0.209 χ^2/NDF: 382.8/60

In: 2.071+/-0.135 χ^2/NDF:1576.8/51

Out: 2.153+/-0.133 χ^2/NDF:1758.4/55

All: 2.113+/-0.095 χ^2/NDF: 3335.4/107



Right In: -66.924+/-0.274 χ^2/NDF: 1368.7/28

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

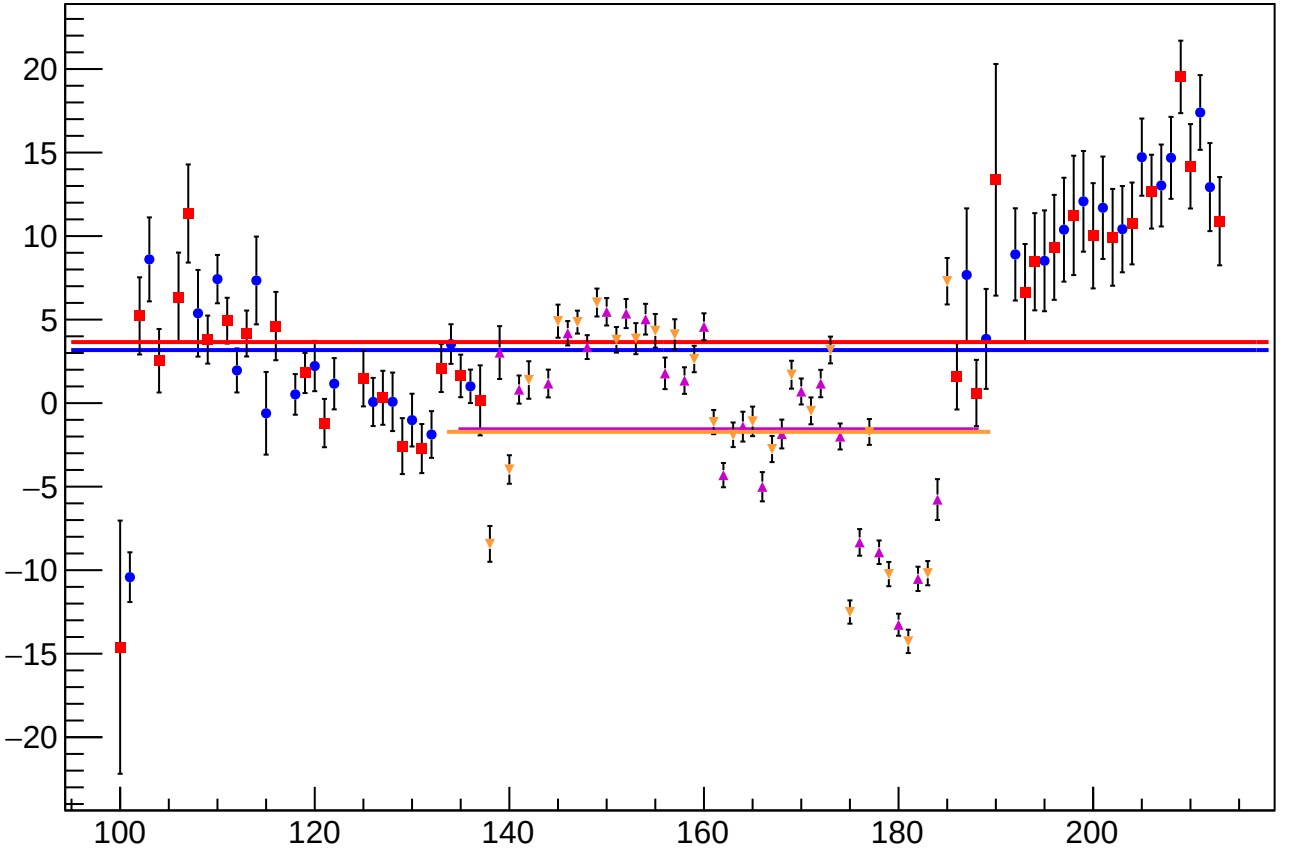
Right: -68.736+/-0.188 χ^2/NDF: 4926.7/60

In: -54.201+/-0.158 χ^2/NDF:7160.1/51

Out: -55.055+/-0.154 χ^2/NDF:12288.1/55

All: -54.639+/-0.110 χ^2/NDF: 19463.2/107

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 3.175+/-0.336 χ^2/NDF: 298.3/28

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

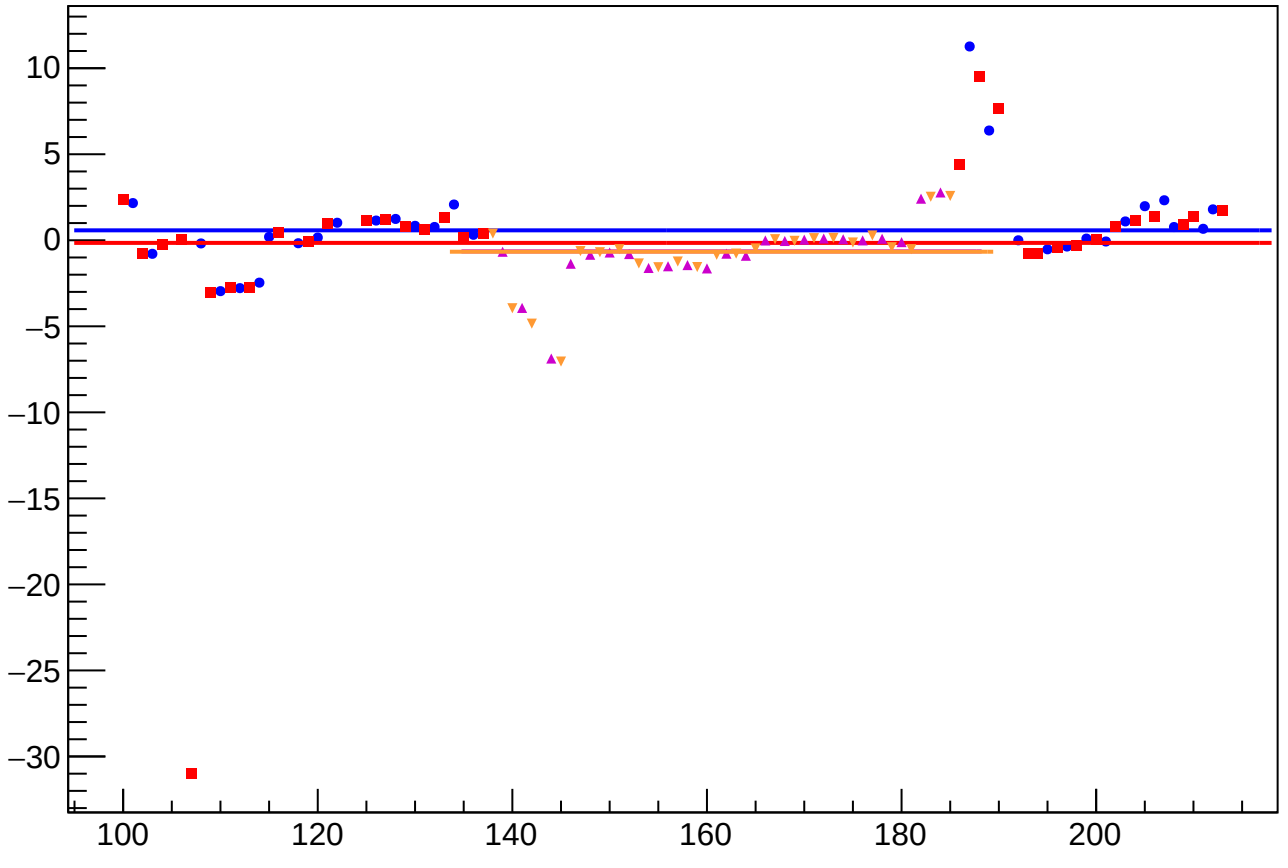
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 3.412+/-0.239 χ^2/NDF: 502.8/60

In: -0.596+/-0.152 χ^2/NDF:1574.1/51

Out: -0.667+/-0.151 χ^2/NDF:1810.1/55

All: -0.632+/-0.107 χ^2/NDF: 3384.3/107



Right In: 0.577+/-0.017 χ^2/NDF: 10392.8/28

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

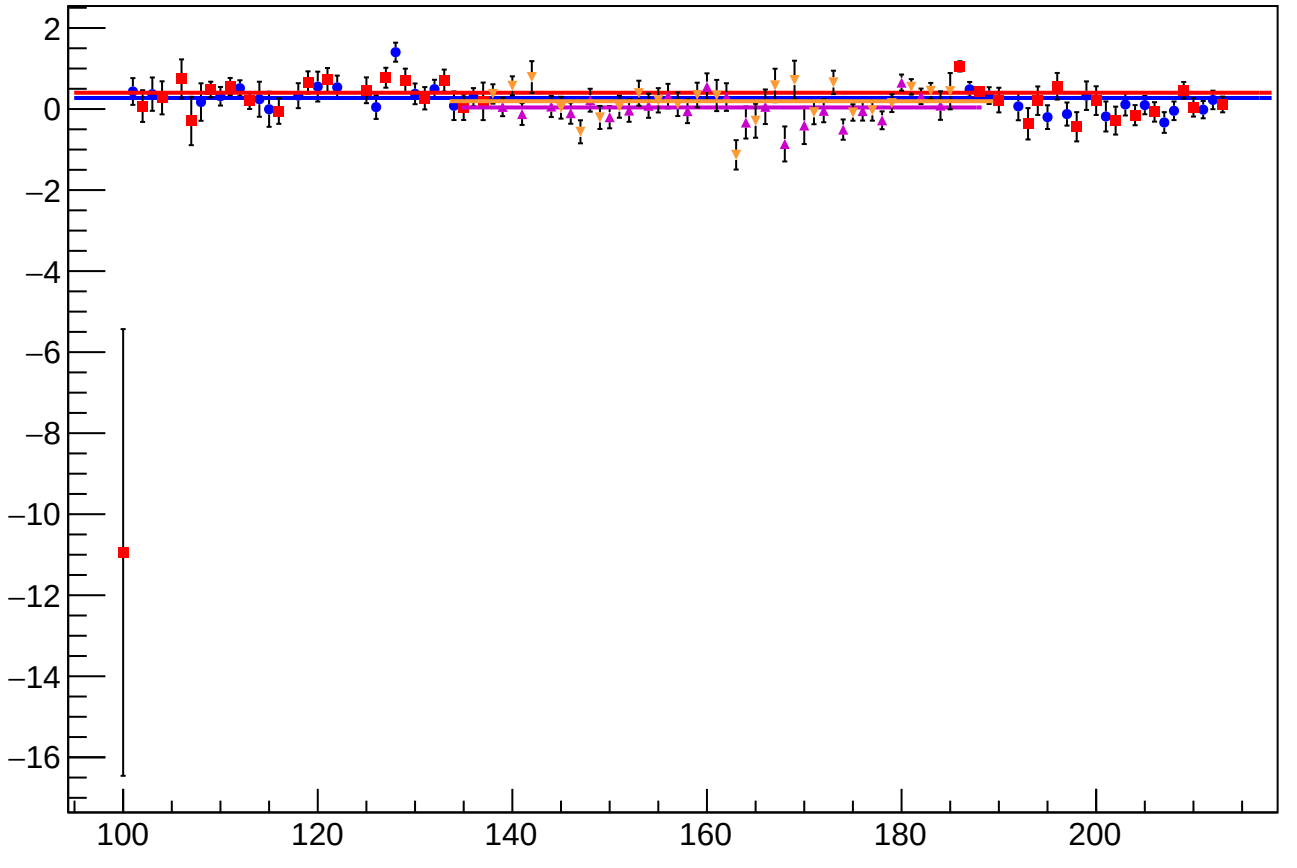
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.220+/-0.012 χ^2/NDF: 72558.8/60

In: -0.442+/-0.007 χ^2/NDF:60337.8/51

Out: -0.584+/-0.007 χ^2/NDF:117274.0/55

All: -0.513+/-0.005 χ^2/NDF: 177822.2/107



Right In: 0.273+/-0.050 χ^2/NDF: 47.2/28

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

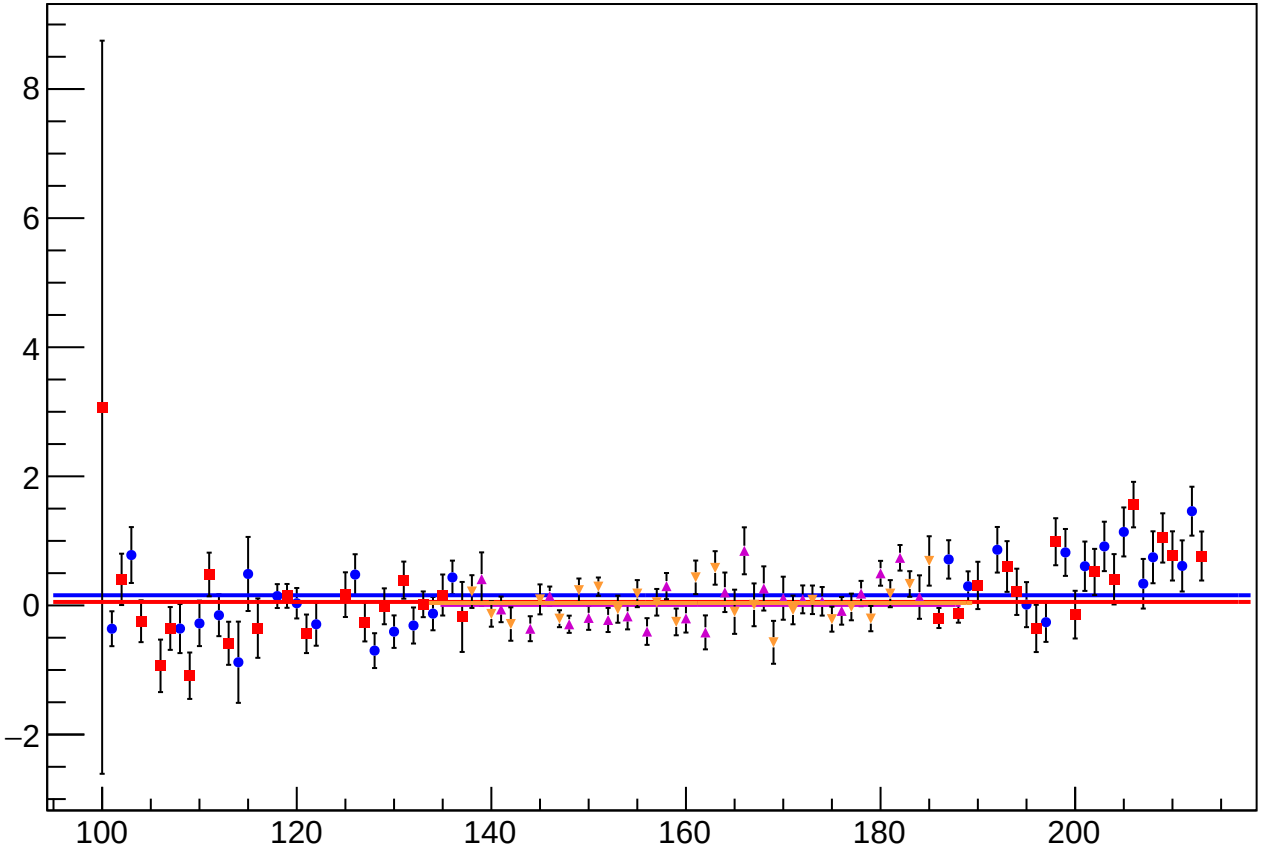
Right: 0.346+/-0.033 χ^2/NDF: 124.5/60

In: 0.174+/-0.038 χ^2/NDF:87.2/51

Out: 0.325+/-0.035 χ^2/NDF:126.2/55

All: 0.255+/-0.025 χ^2/NDF: 222.1/107

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.158+/-0.058 χ^2/NDF: 77.2/28

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

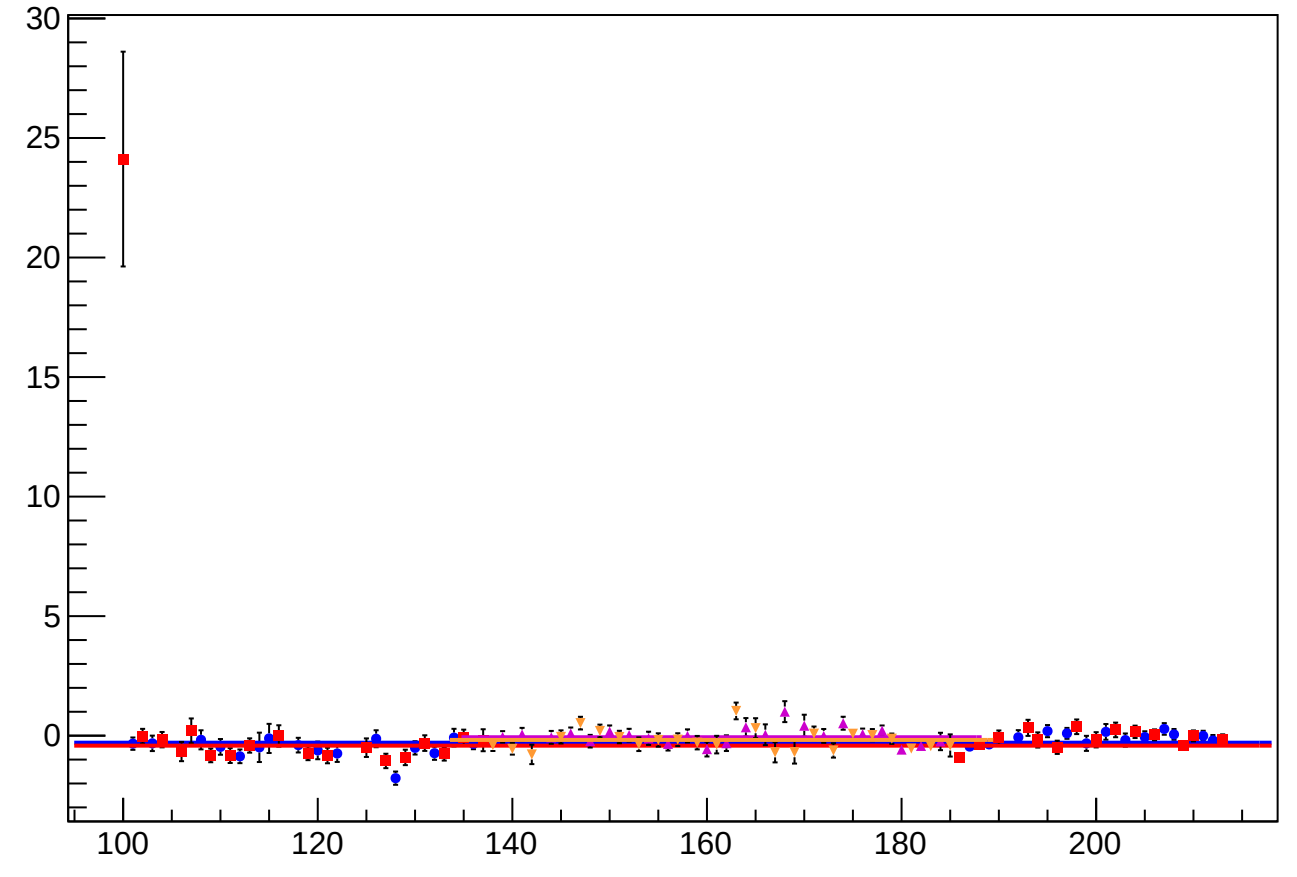
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: 0.101+/-0.039 χ^2/NDF: 159.6/60

In: 0.063+/-0.035 χ^2/NDF:132.8/51

Out: 0.044+/-0.033 χ^2/NDF:113.5/55

All: 0.054+/-0.024 χ^2/NDF: 246.4/107



Right In: -0.294+/-0.050 χ^2/NDF: 60.7/28

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

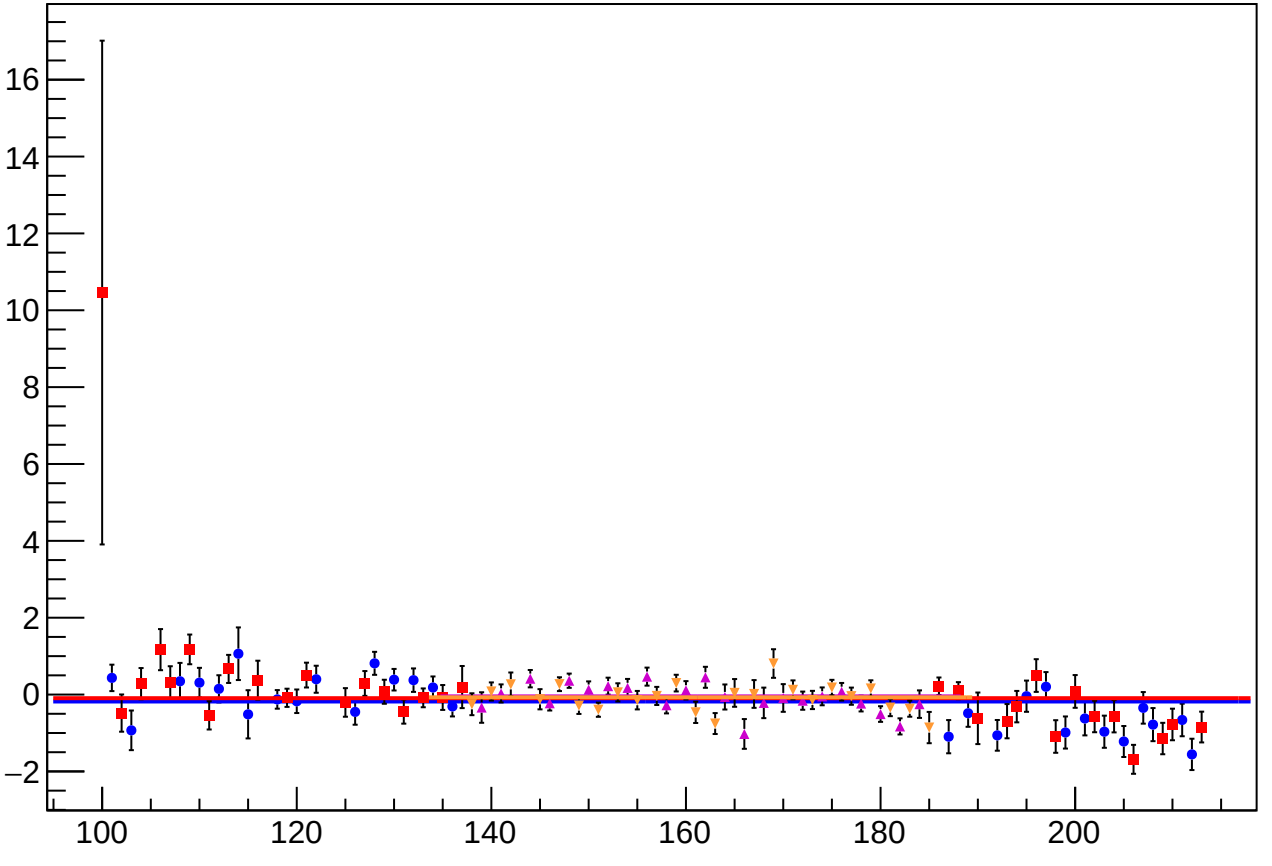
Right: -0.366+/-0.032 χ^2/NDF: 170.1/60

In: -0.195+/-0.037 χ^2/NDF:101.3/51

Out: -0.332+/-0.034 χ^2/NDF:159.5/55

All: -0.271+/-0.025 χ^2/NDF: 268.2/107

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.180+/-0.067 χ^2/NDF: 77.2/28

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

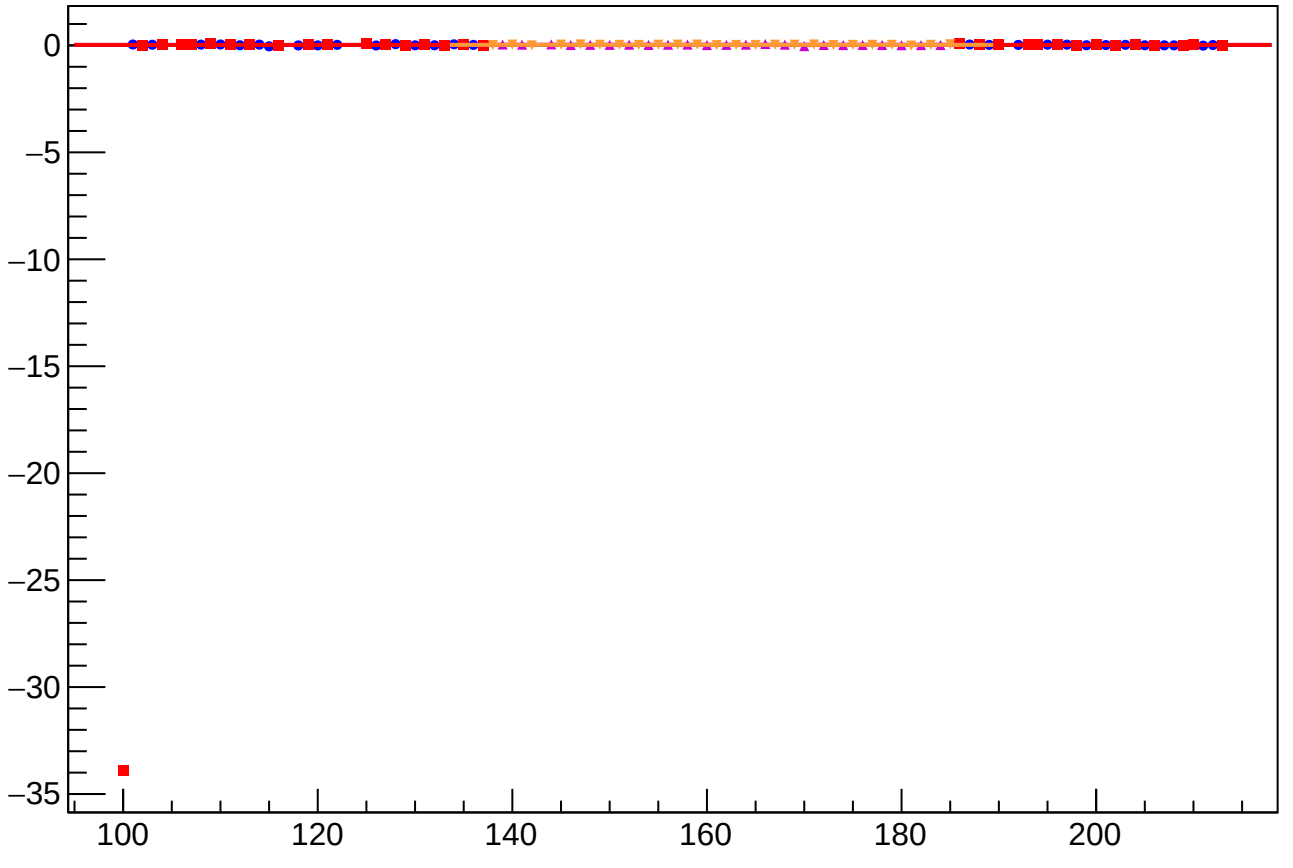
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: -0.135+/-0.046 χ^2/NDF: 159.3/60

In: -0.095+/-0.040 χ^2/NDF:130.2/51

Out: -0.080+/-0.039 χ^2/NDF:119.0/55

All: -0.087+/-0.028 χ^2/NDF: 249.2/107



Right In: 0.022+/-0.003 χ^2/NDF: 26.9/28

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.022+/-0.003 χ^2/NDF: 22317.6/31

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

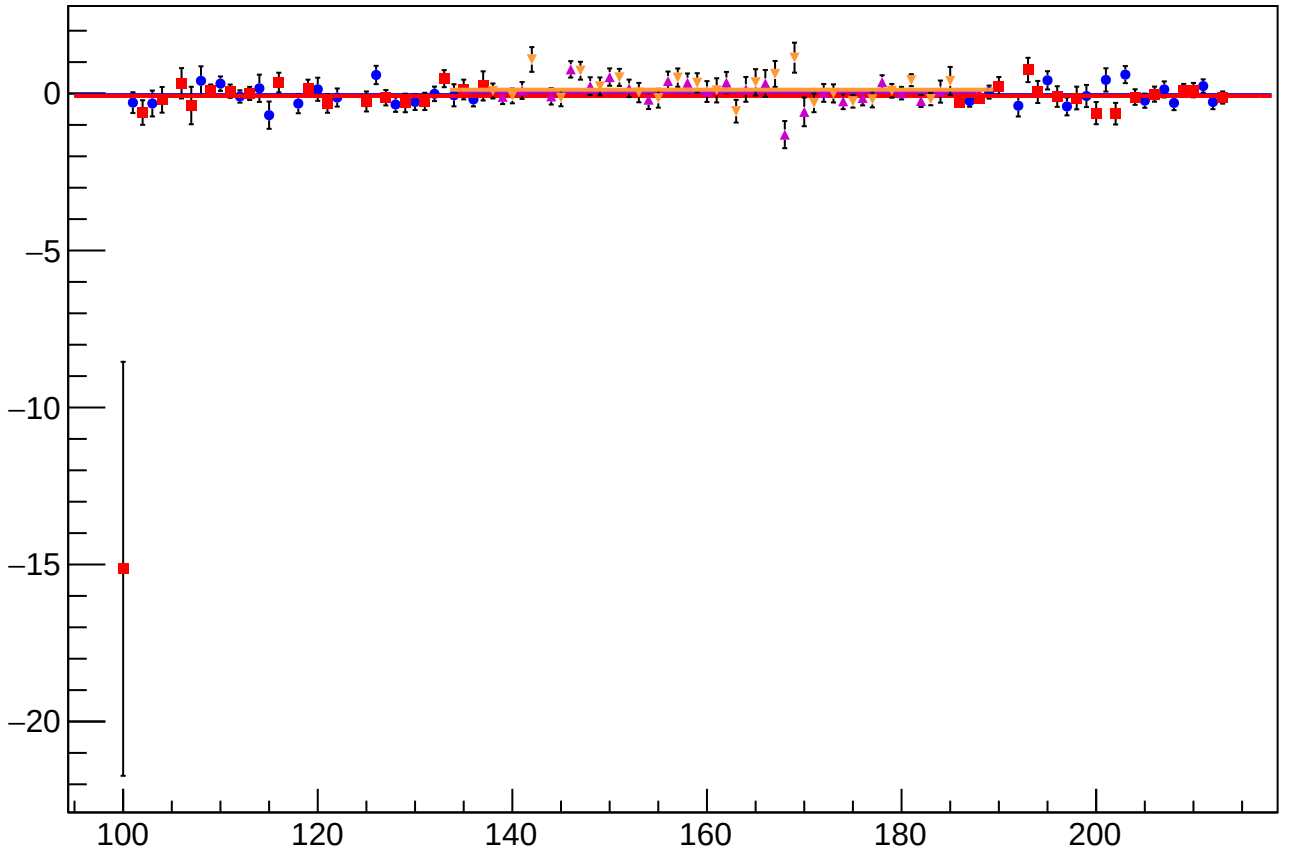
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.022+/-0.002 χ^2/NDF: 22344.5/60

In: 0.025+/-0.002 χ^2/NDF:67.4/51

Out: 0.025+/-0.002 χ^2/NDF:22350.6/55

All: 0.025+/-0.001 χ^2/NDF: 22418.1/107



Right In: -0.051+/-0.050 χ^2/NDF: 34.6/28

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

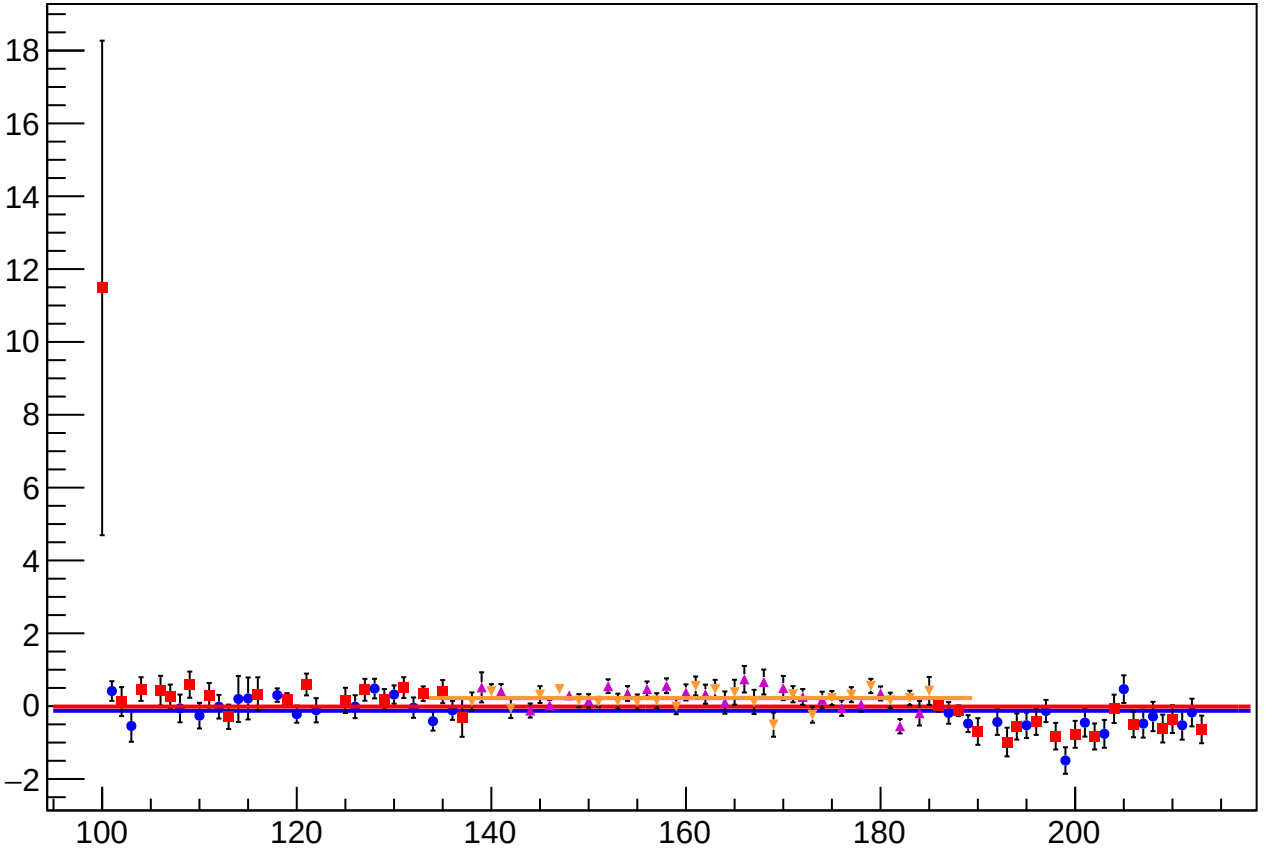
Right: -0.066+/-0.033 χ^2/NDF: 69.9/60

In: -0.003+/-0.038 χ^2/NDF:71.1/51

Out: -0.003+/-0.035 χ^2/NDF:82.6/55

All: -0.003+/-0.025 χ^2/NDF: 153.7/107

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.127+/-0.058 χ^2/NDF: 47.6/28

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

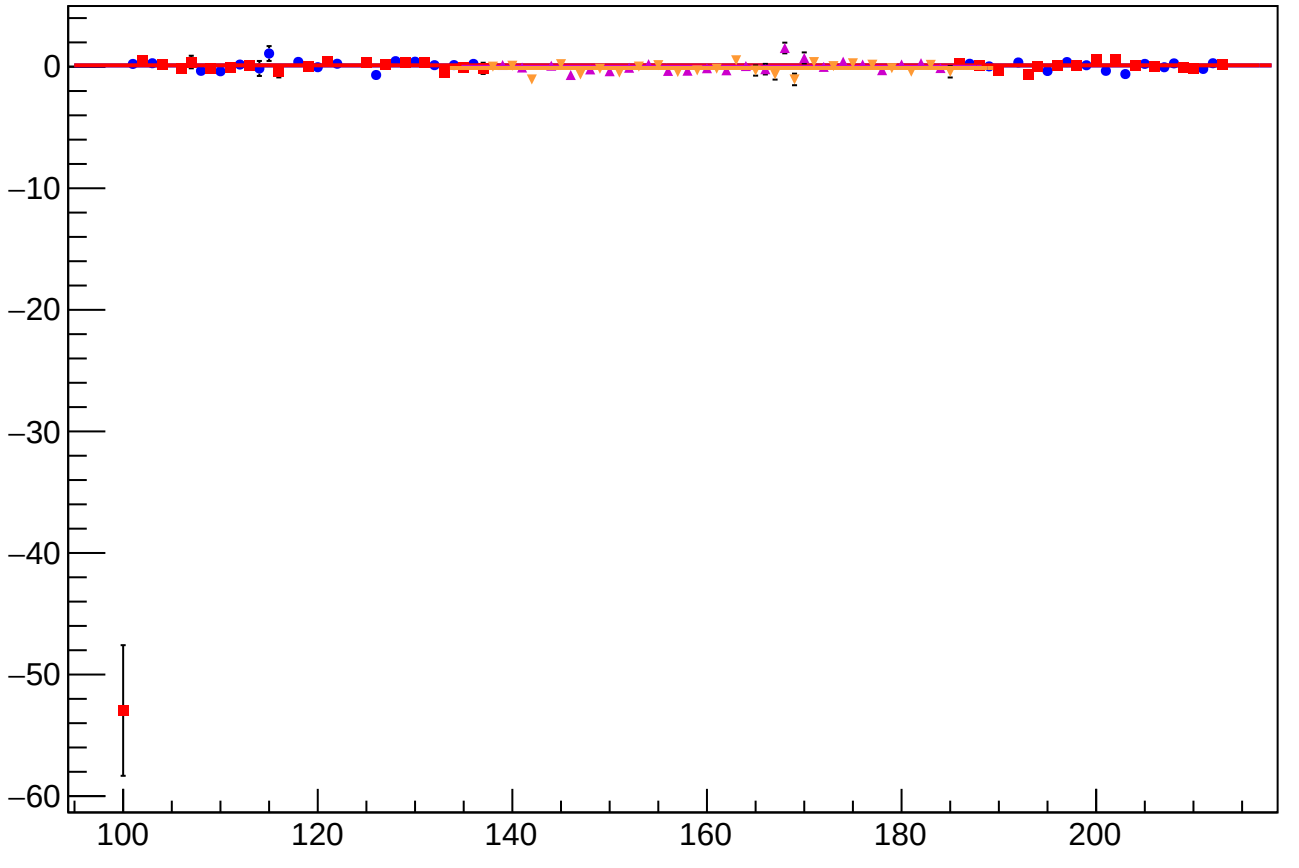
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.064+/-0.039 χ^2/NDF: 114.6/60

In: 0.093+/-0.035 χ^2/NDF:109.9/51

Out: 0.130+/-0.033 χ^2/NDF:100.9/55

All: 0.112+/-0.024 χ^2/NDF: 211.4/107



Right In: 0.102+/-0.050 χ^2/NDF: 34.5/28

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

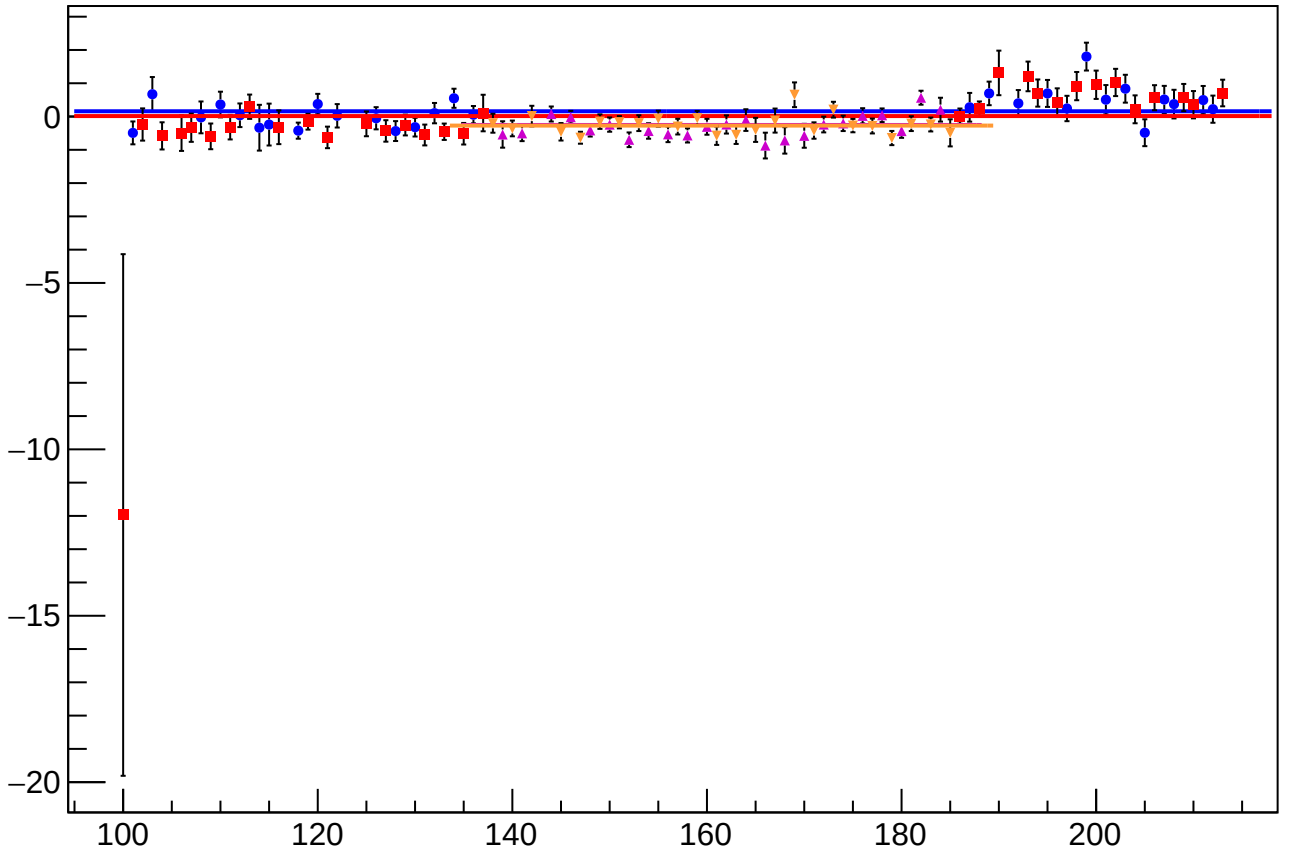
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.110+/-0.032 χ^2/NDF: 159.0/60

In: 0.054+/-0.037 χ^2/NDF:74.7/51

Out: 0.036+/-0.034 χ^2/NDF:171.9/55

All: 0.044+/-0.025 χ^2/NDF: 246.7/107



Right In: 0.158+/-0.067 χ^2/NDF: 49.2/28

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

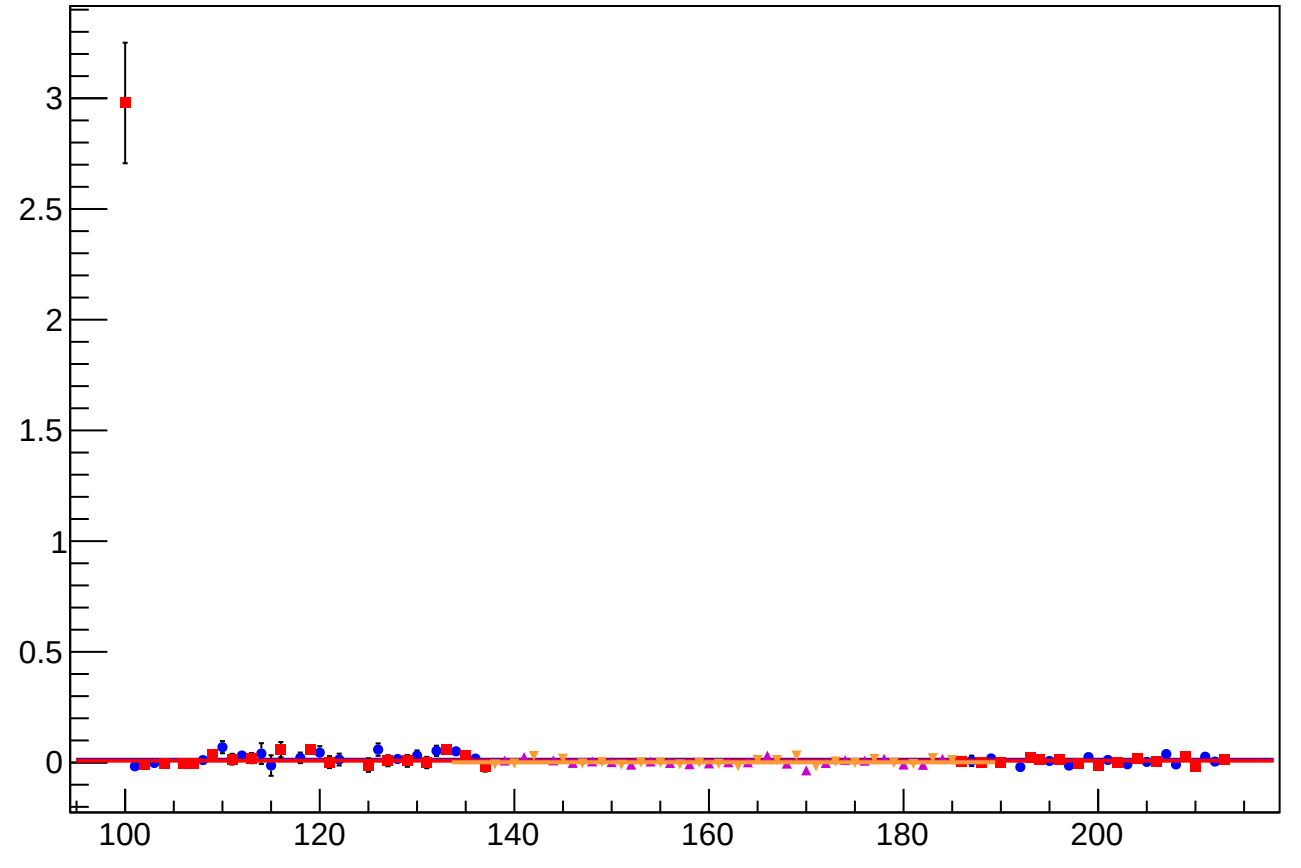
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.082+/-0.046 χ^2/NDF: 118.5/60

In: -0.107+/-0.040 χ^2/NDF:113.9/51

Out: -0.165+/-0.039 χ^2/NDF:104.3/55

All: -0.137+/-0.028 χ^2/NDF: 219.2/107



Right In: 0.013+/-0.003 χ^2/NDF: 45.0/28

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

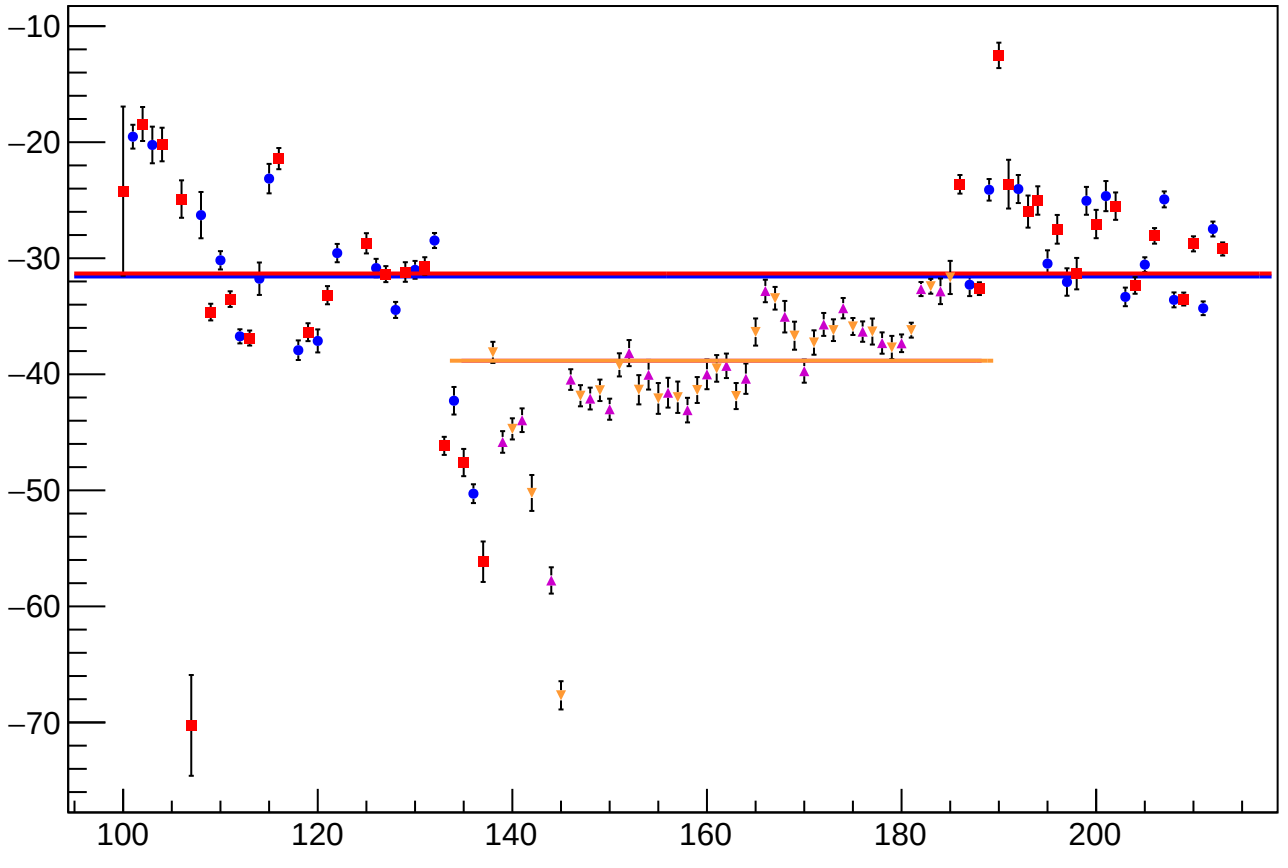
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.002 χ^2/NDF: 198.3/60

In: 0.006+/-0.002 χ^2/NDF:76.9/51

Out: 0.004+/-0.002 χ^2/NDF:183.1/55

All: 0.005+/-0.001 χ^2/NDF: 260.6/107



Right In: -31.570+/-0.157 χ^2/NDF: 1401.6/28

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

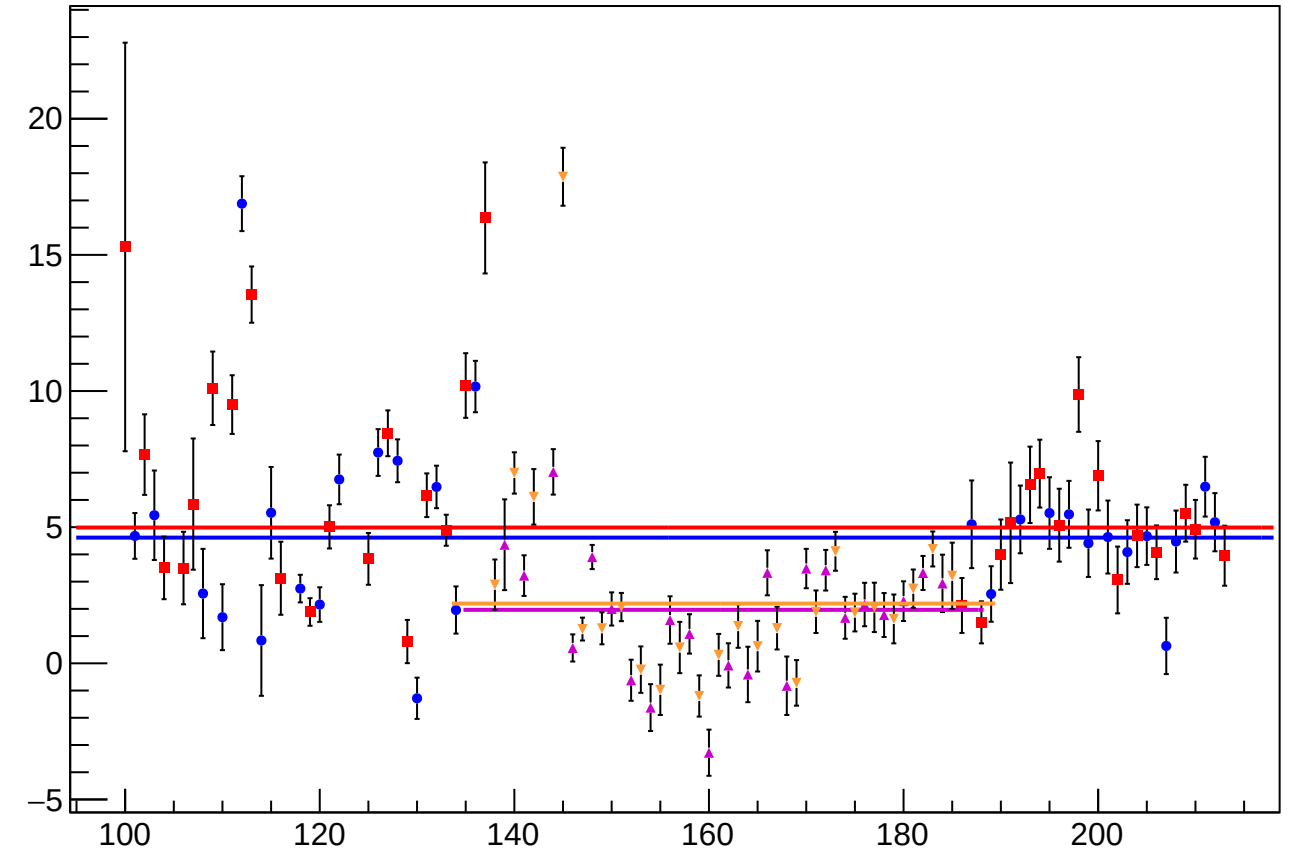
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.437+/-0.109 χ^2/NDF: 3241.1/61

In: -34.285+/-0.124 χ^2/NDF:2854.5/51

Out: -33.992+/-0.121 χ^2/NDF:3645.4/56

All: -34.134+/-0.087 χ^2/NDF: 6502.8/108



Right In: 4.617+/-0.182 χ^2/NDF: 353.6/28

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

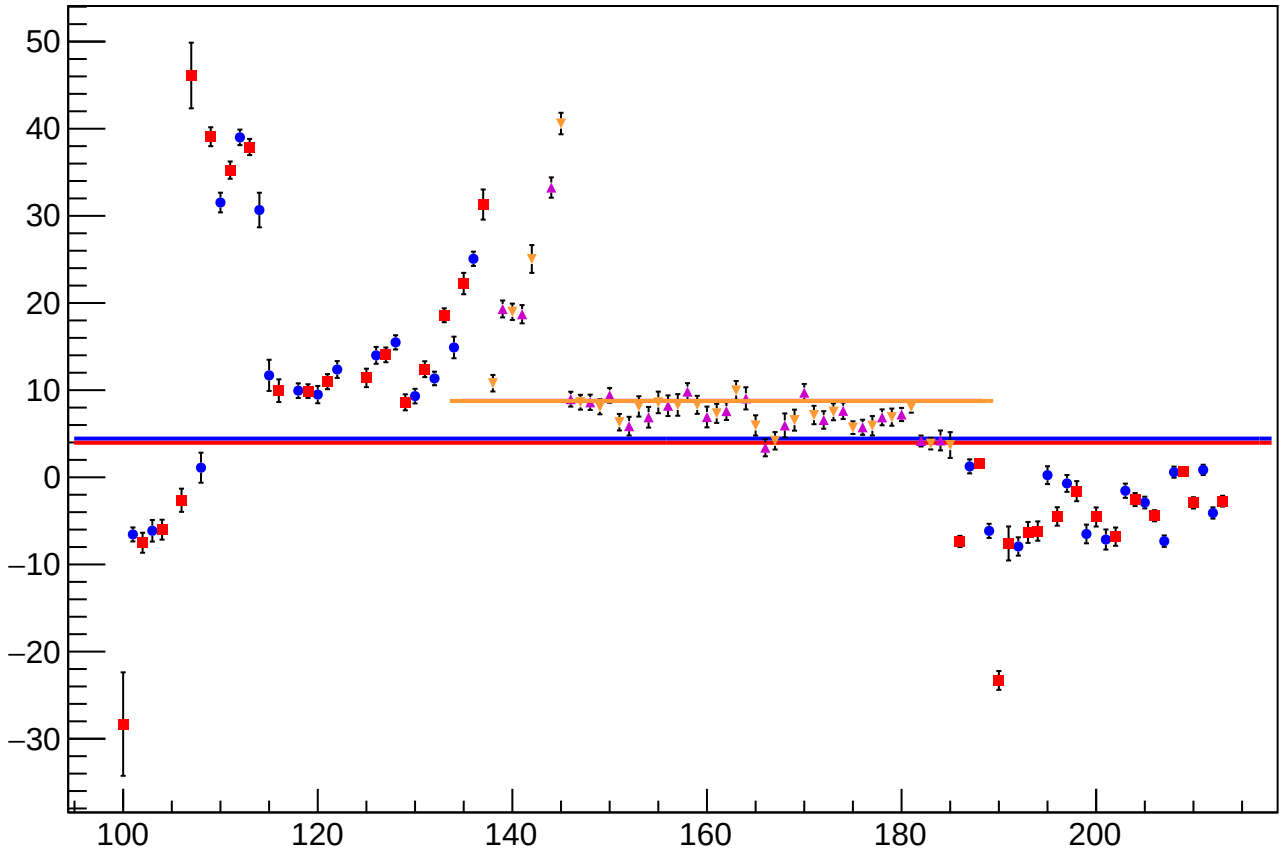
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.805+/-0.127 χ^2/NDF: 654.9/61

In: 3.079+/-0.118 χ^2/NDF:650.4/51

Out: 3.371+/-0.116 χ^2/NDF:806.0/56

All: 3.228+/-0.083 χ^2/NDF: 1459.5/108



Right In: 4.443+/-0.163 χ^2/NDF: 5087.5/28

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

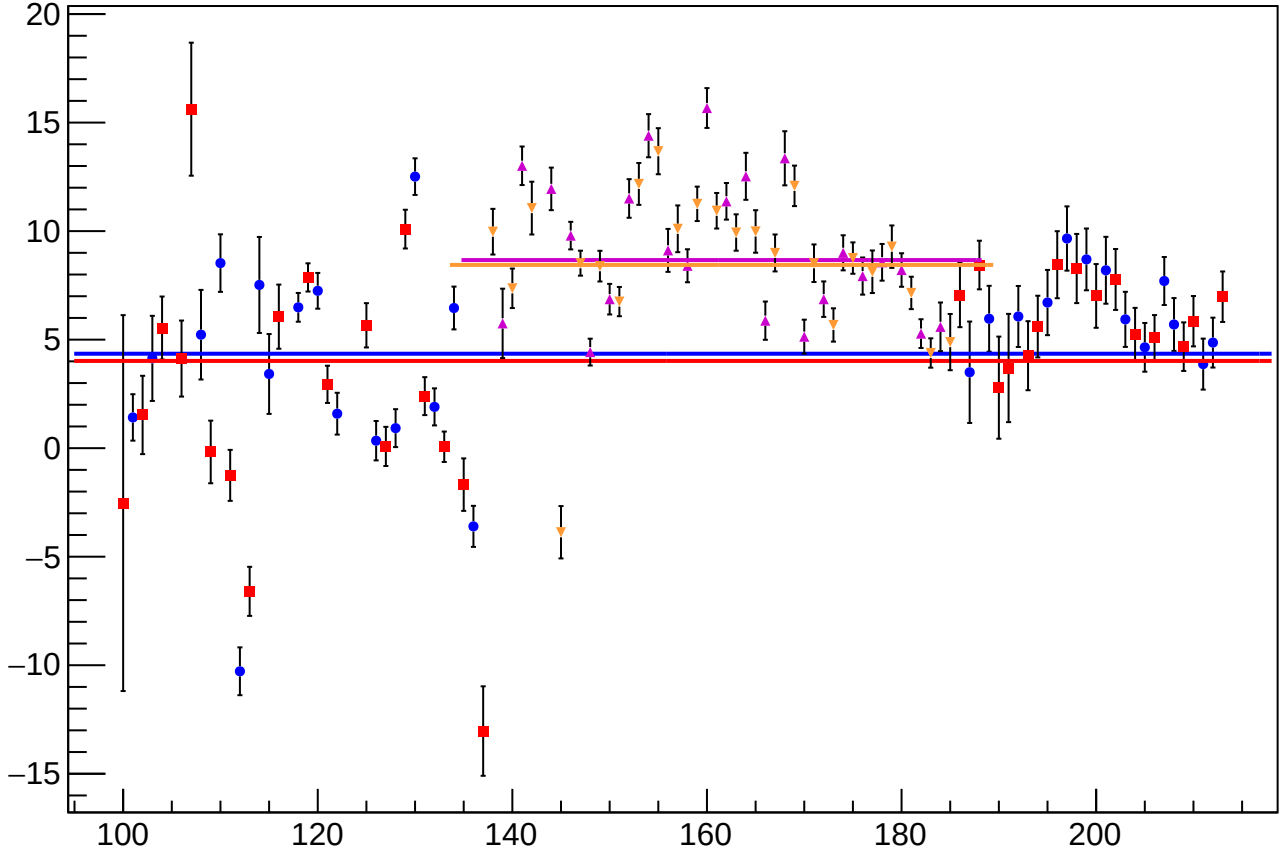
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 4.191+/-0.112 χ^2/NDF: 12015.6/61

In: 6.153+/-0.127 χ^2/NDF:6162.1/51

Out: 5.755+/-0.122 χ^2/NDF:8318.7/56

All: 5.947+/-0.088 χ^2/NDF: 14486.0/108



Right In: 4.351+/-0.209 χ^2/NDF: 485.5/28

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

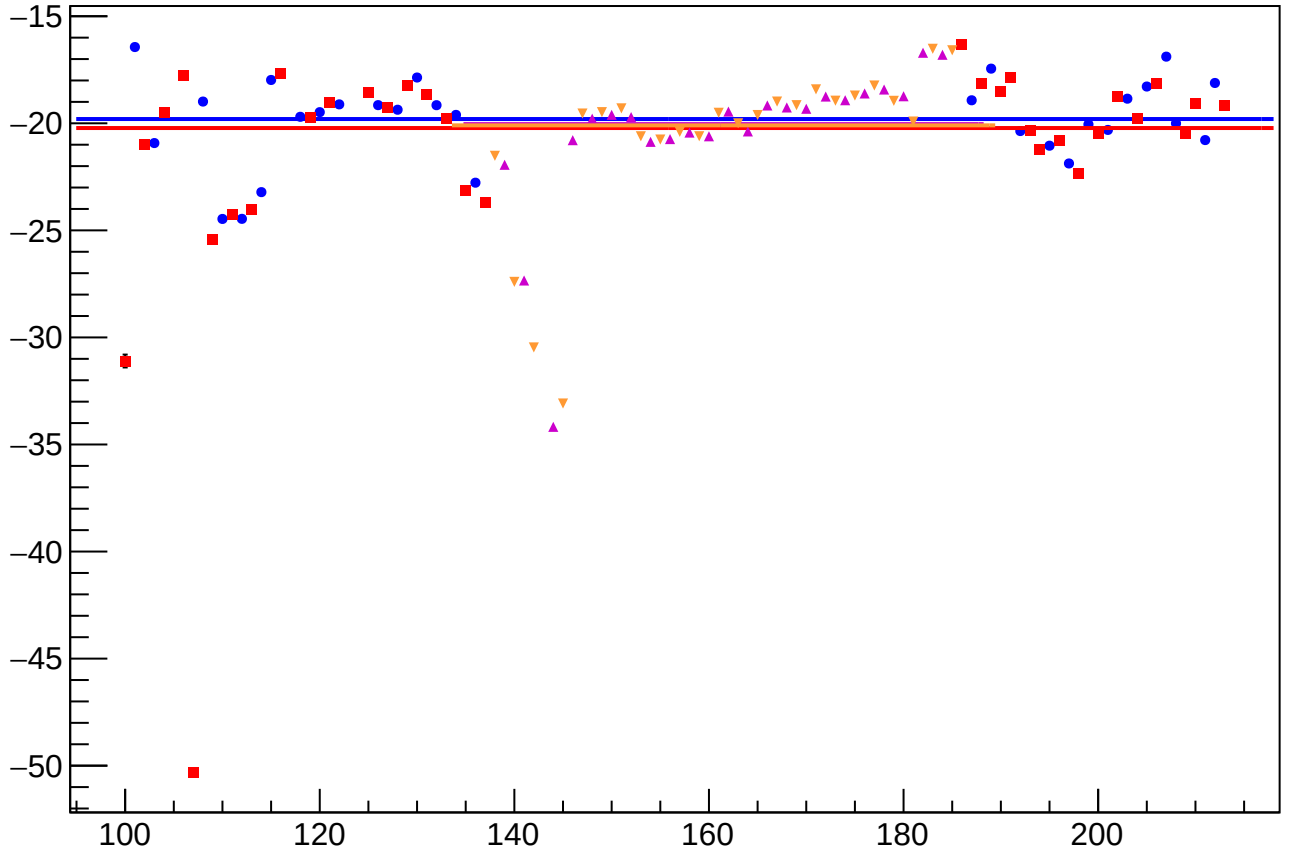
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 4.184+/-0.147 χ^2/NDF: 913.2/61

In: 6.881+/-0.135 χ^2/NDF:1039.9/51

Out: 6.622+/-0.133 χ^2/NDF:957.9/56

All: 6.750+/-0.095 χ^2/NDF: 1999.7/108



Right In: -19.801+/-0.010 χ^2/NDF: 32382.8/28

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

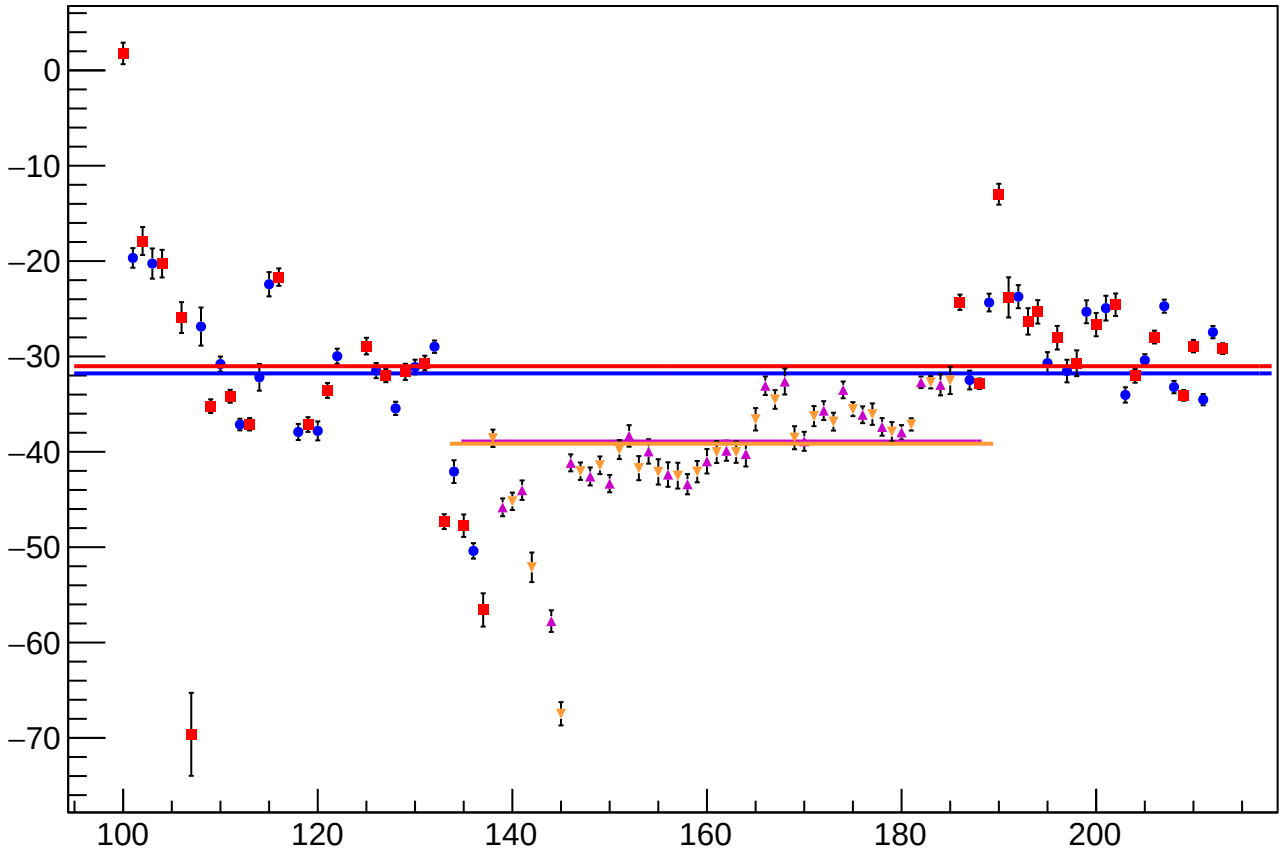
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -20.014+/-0.007 χ^2/NDF: 105592.9/61

In: -19.951+/-0.006 χ^2/NDF:165004.0/51

Out: -20.143+/-0.006 χ^2/NDF:231763.2/56

All: -20.047+/-0.004 χ^2/NDF: 397237.3/108



Right In: -31.777+/-0.157 χ^2/NDF: 1427.4/28

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.024+/-0.149 χ^2/NDF: 2770.2/32

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

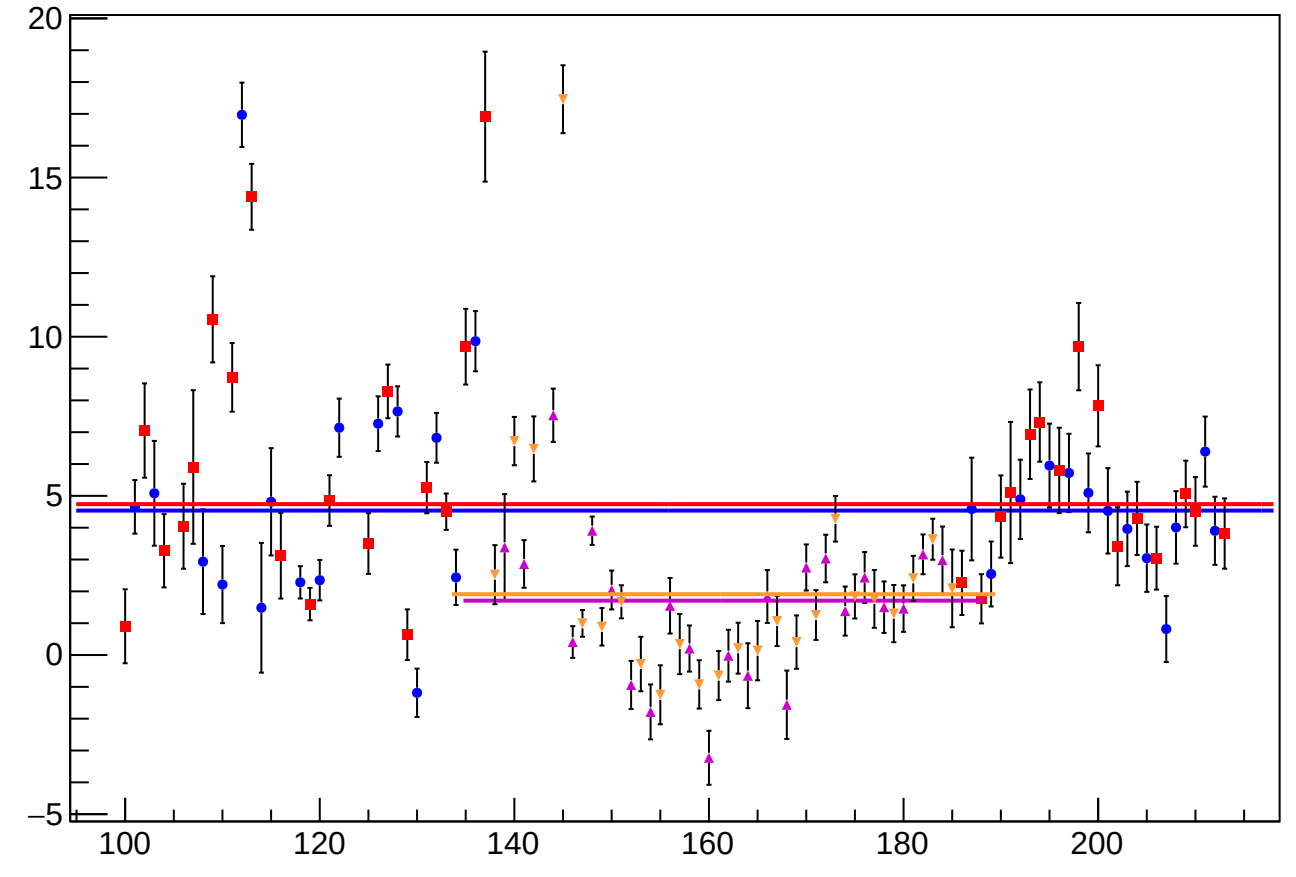
Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

Right: -31.381+/-0.108 χ^2/NDF: 4209.7/61

In: -34.447+/-0.125 χ^2/NDF:2881.6/51

Out: -33.886+/-0.120 χ^2/NDF:4712.2/56

All: -34.156+/-0.086 χ^2/NDF: 7604.3/108



Right In: 4.538+/-0.182 χ^2/NDF: 351.3/28

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

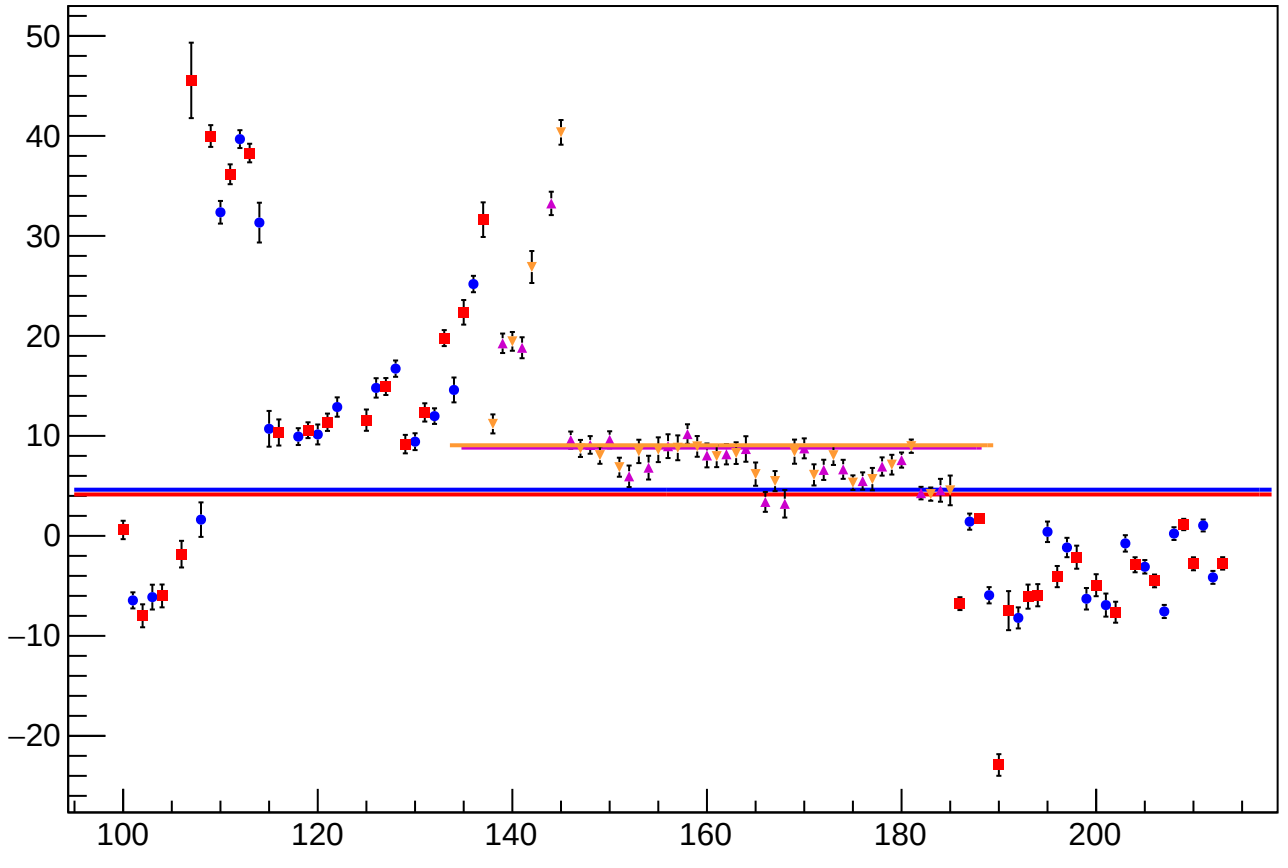
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.641+/-0.127 χ^2/NDF: 677.8/61

In: 2.898+/-0.118 χ^2/NDF:673.9/51

Out: 3.118+/-0.115 χ^2/NDF:832.1/56

All: 3.010+/-0.083 χ^2/NDF: 1507.8/108



Right In: 4.620+/-0.163 χ^2/NDF: 5262.1/28

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

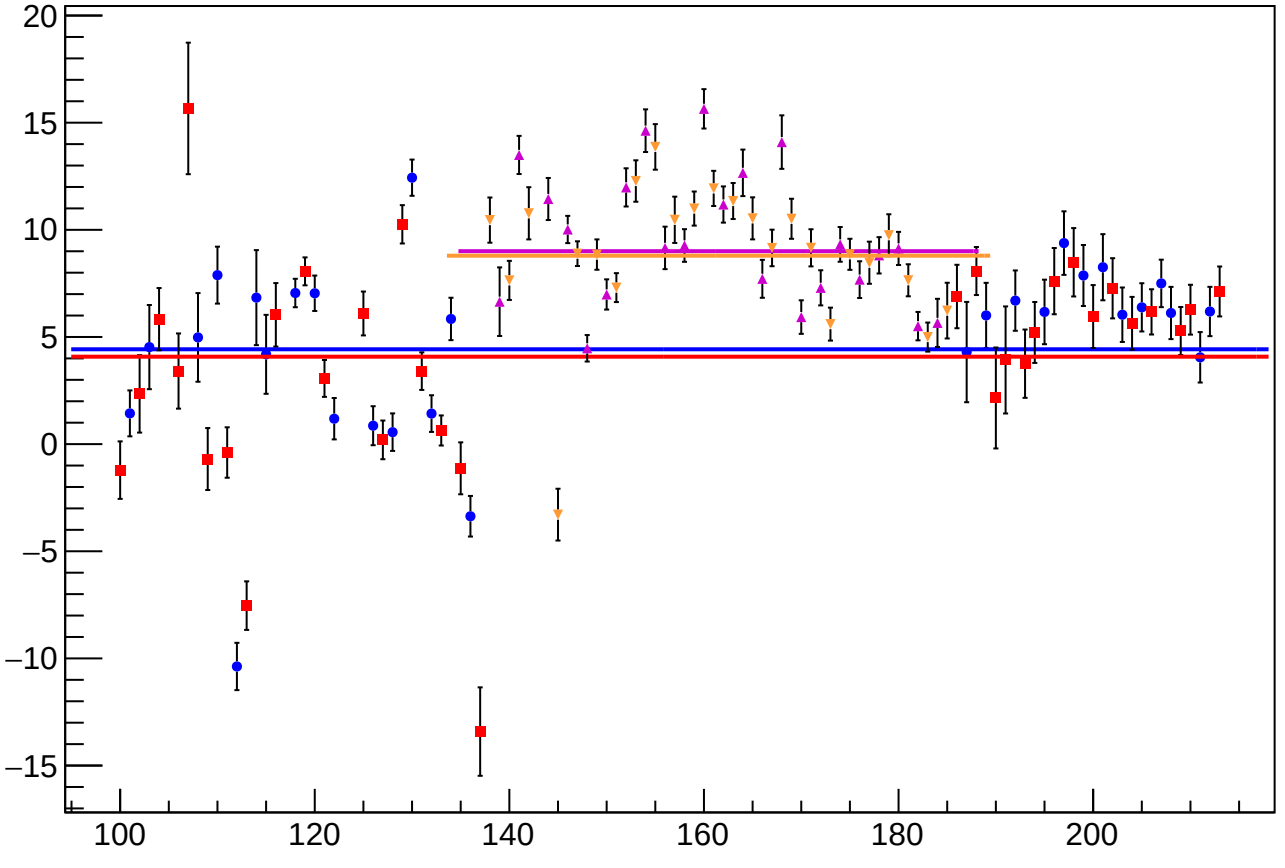
Right: 4.366+/-0.111 χ^2/NDF: 12371.8/61

In: 6.280+/-0.127 χ^2/NDF:6326.2/51

Out: 5.945+/-0.122 χ^2/NDF:8518.6/56

All: 6.106+/-0.088 χ^2/NDF: 14848.4/108

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.426+/-0.210 χ^2/NDF: 484.2/28

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

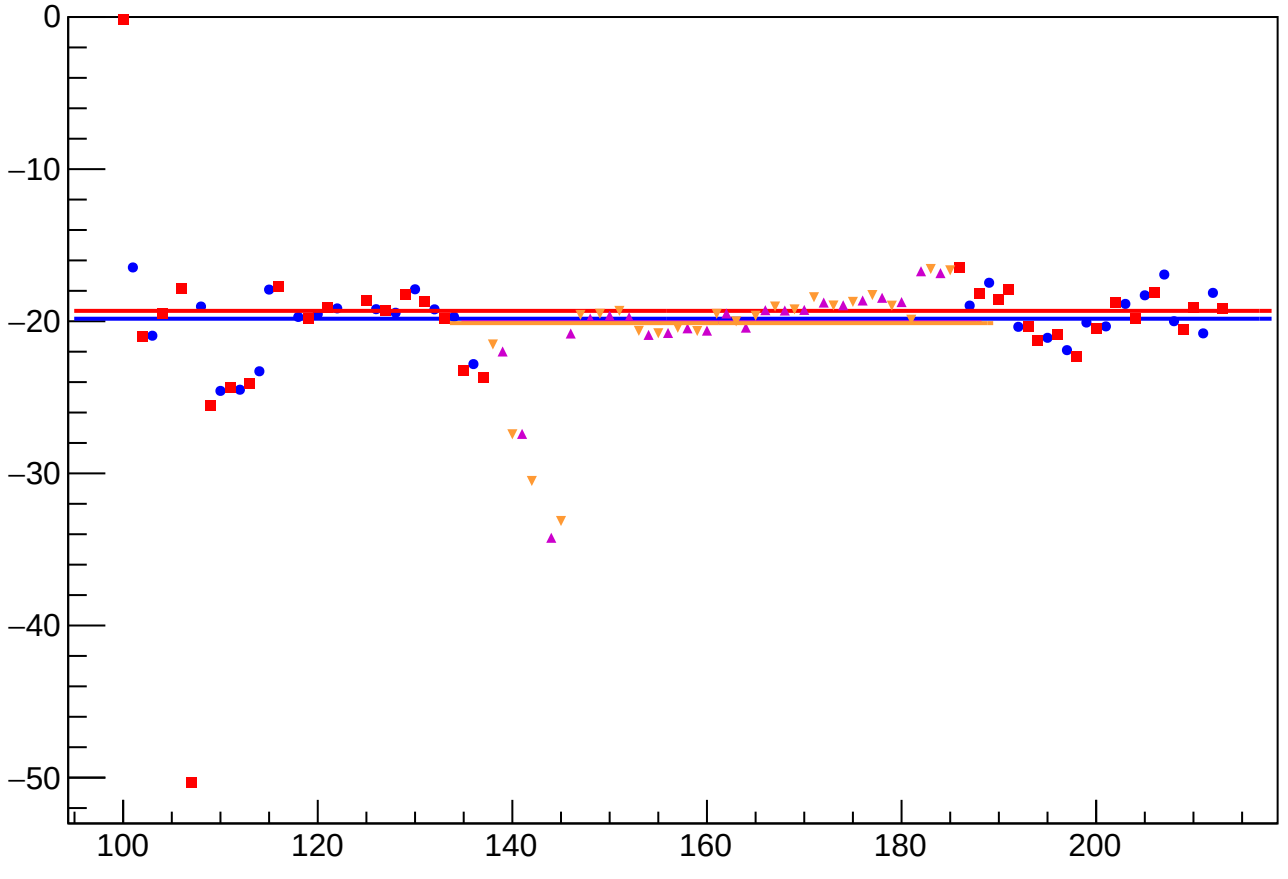
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.250+/-0.147 χ^2/NDF: 928.3/61

In: 7.110+/-0.135 χ^2/NDF:1053.7/51

Out: 6.827+/-0.133 χ^2/NDF:993.3/56

All: 6.966+/-0.095 χ^2/NDF: 2049.2/108



Right In: -19.833+/-0.010 χ^2/NDF: 32398.5/28

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

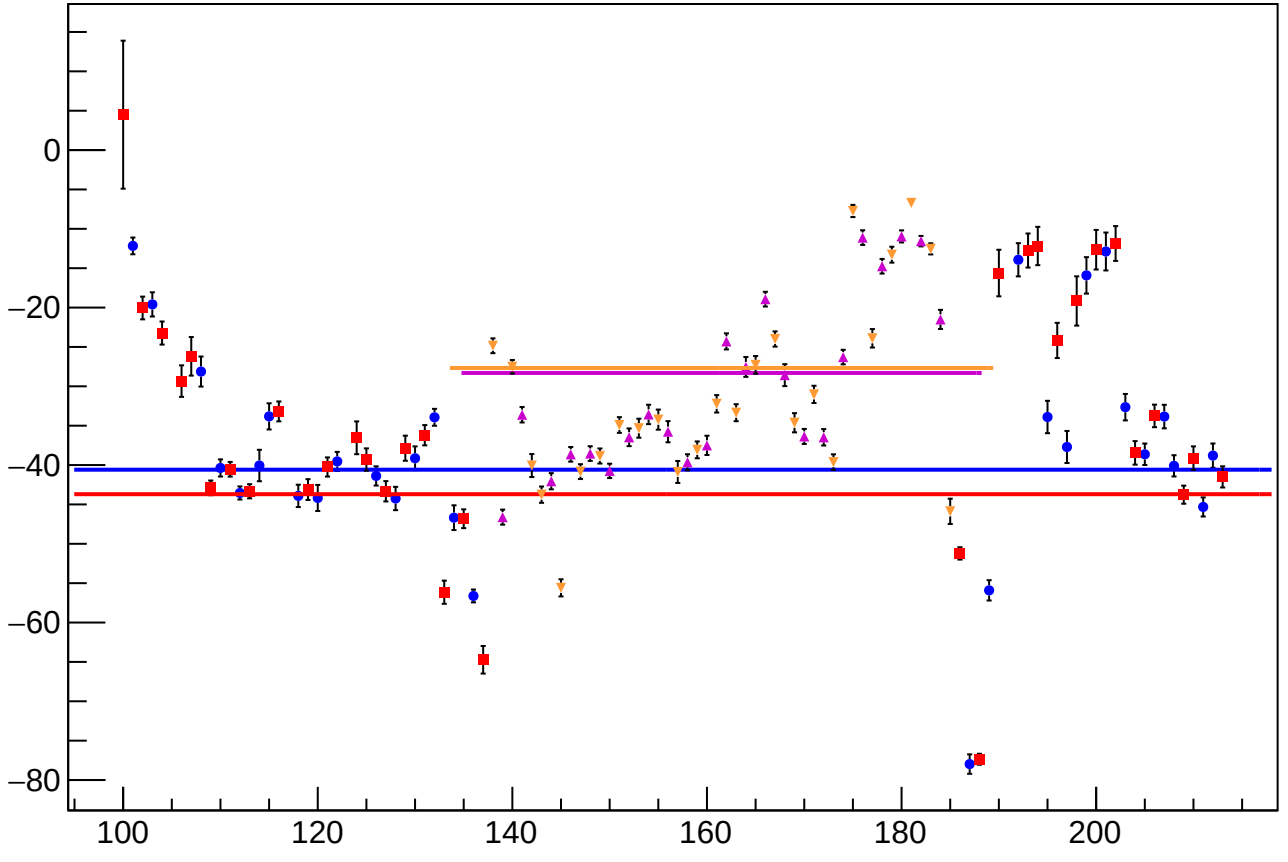
Right: -19.565+/-0.007 χ^2/NDF: 281777.8/61

In: -19.979+/-0.006 χ^2/NDF:165397.9/51

Out: -19.812+/-0.006 χ^2/NDF:410668.8/56

All: -19.894+/-0.004 χ^2/NDF: 576424.1/108

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -40.589+/-0.253 χ^2/NDF: 2967.1/28

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

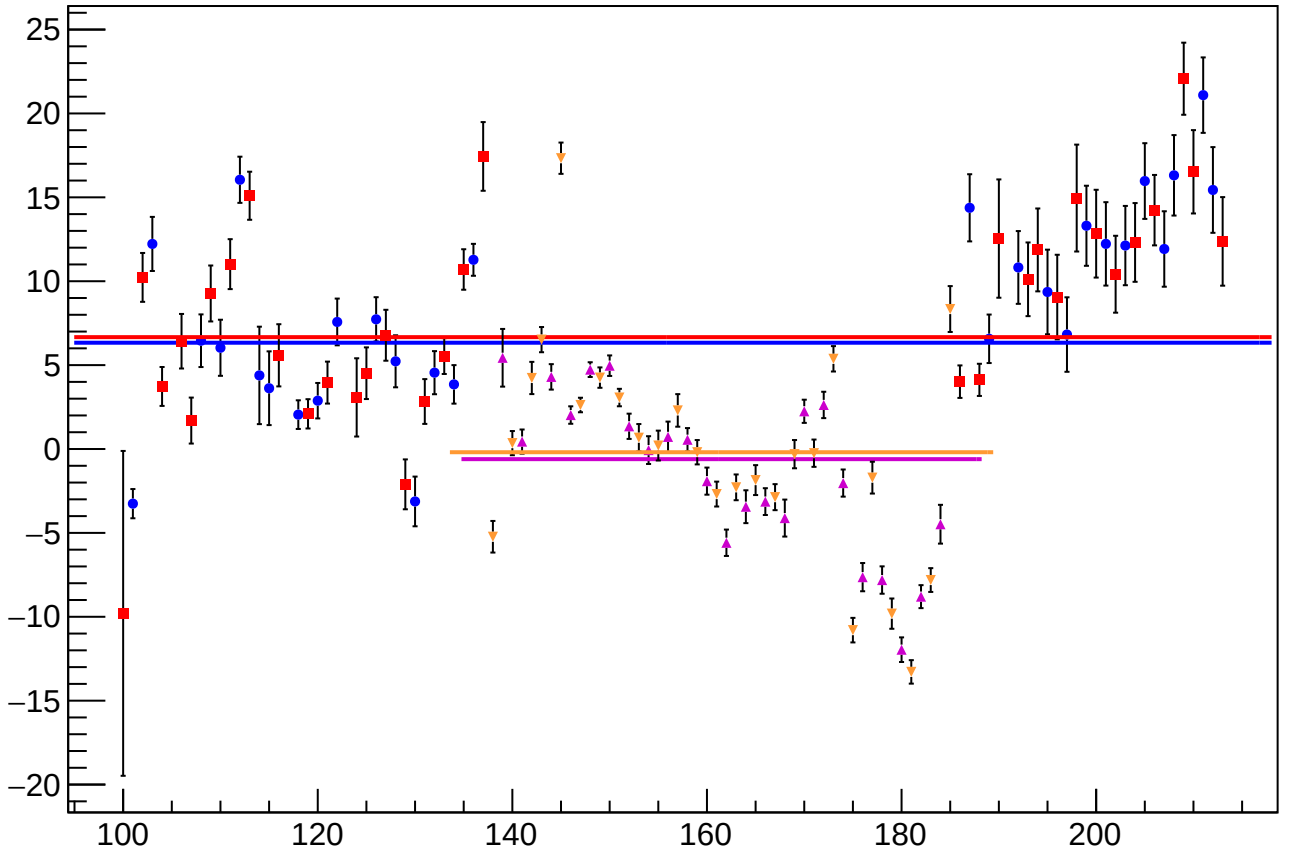
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -42.258+/-0.172 χ^2/NDF: 7486.5/61

In: -33.203+/-0.160 χ^2/NDF:7662.6/51

Out: -34.429+/-0.152 χ^2/NDF:11532.4/57

All: -33.844+/-0.110 χ^2/NDF: 19225.9/109



Right In: 6.335+/-0.280 χ^2/NDF: 438.7/28

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

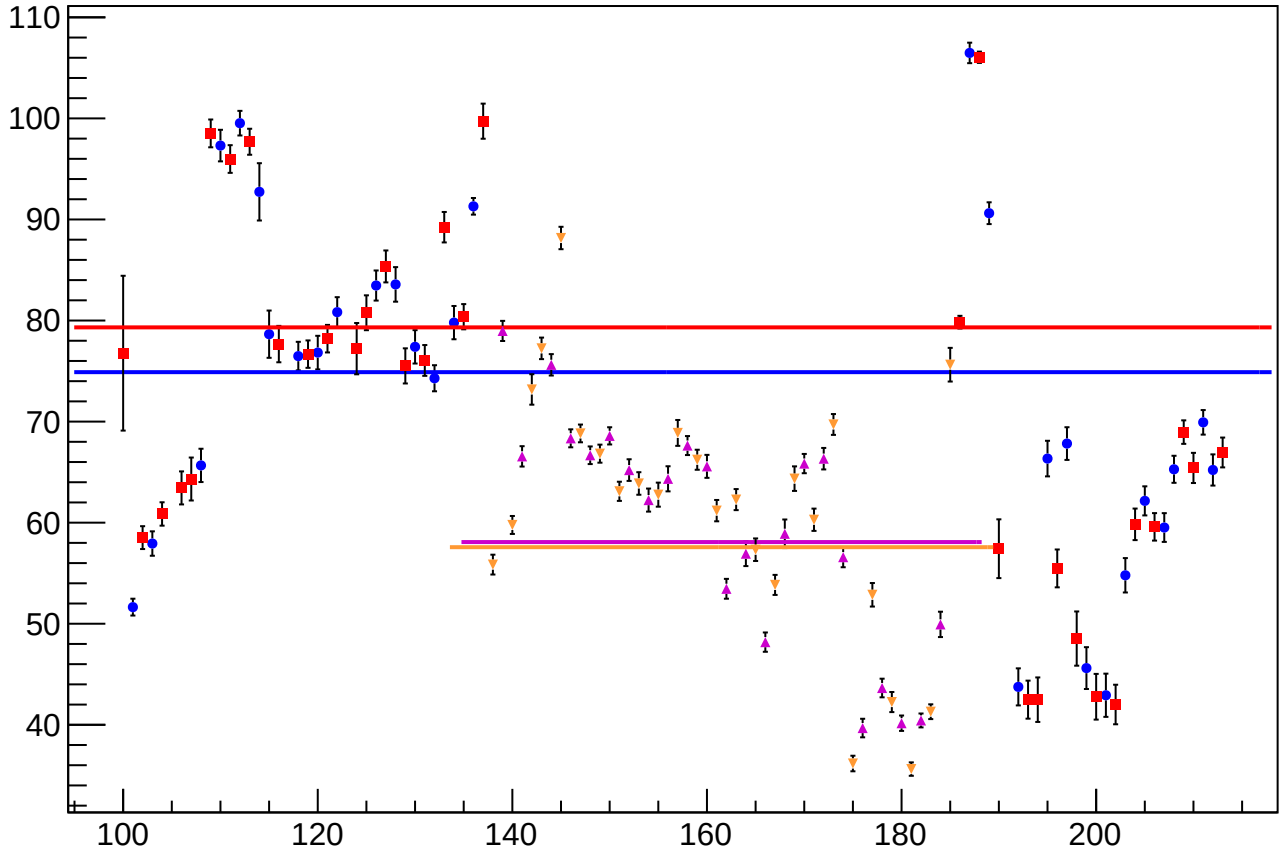
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 6.507+/-0.195 χ^2/NDF: 764.0/61

In: 1.026+/-0.136 χ^2/NDF:1883.3/51

Out: 1.422+/-0.131 χ^2/NDF:2361.4/57

All: 1.230+/-0.094 χ^2/NDF: 4249.1/109



Right In: 74.892+/-0.258 χ^2/NDF: 4532.0/28

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

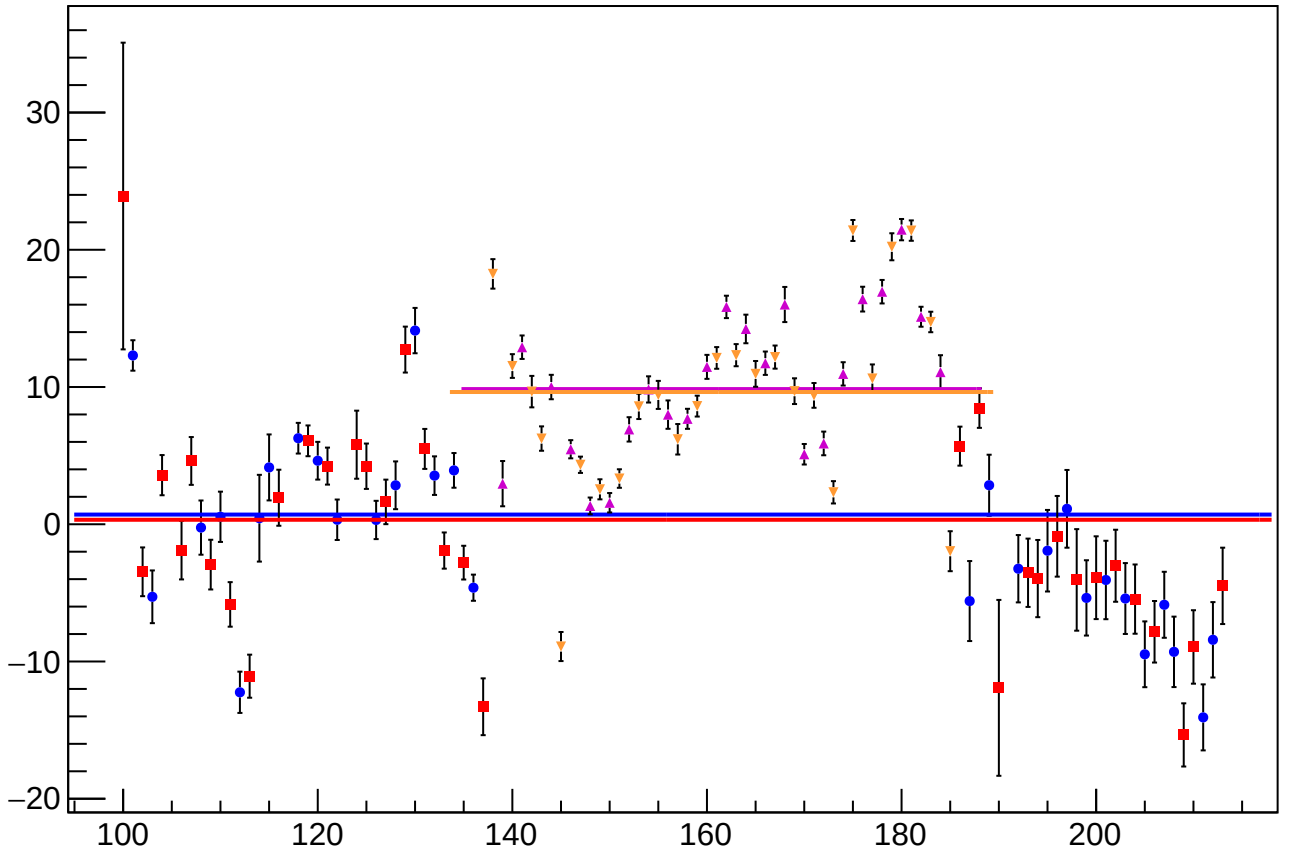
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

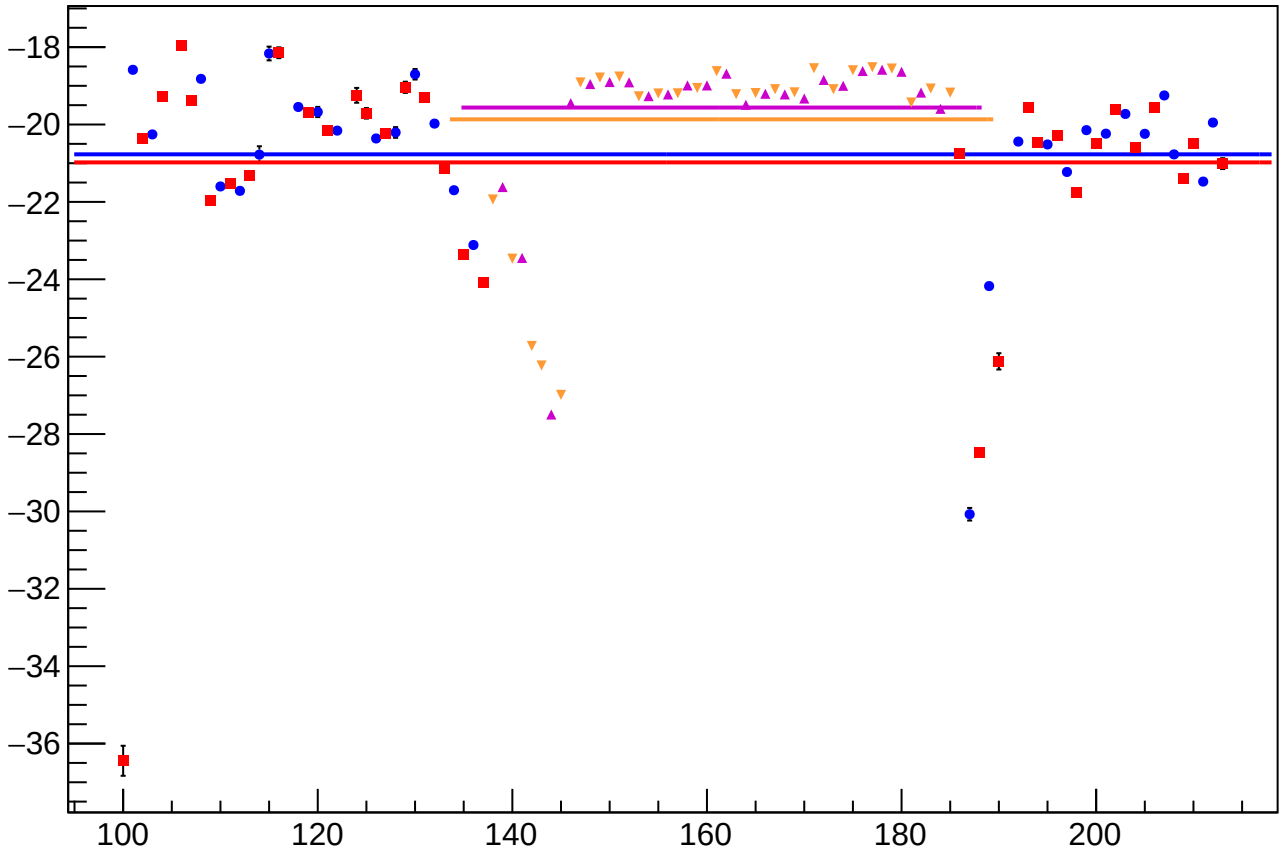
Right: 77.309+/-0.174 χ^2/NDF: 10721.1/61

In: 64.541+/-0.160 χ^2/NDF:10714.5/51

Out: 66.650+/-0.152 χ^2/NDF:15699.8/57

All: 65.648+/-0.110 χ^2/NDF: 26506.0/109


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: 0.705+/-0.324 χ²/NDF: 449.4/28
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: 0.513+/-0.228 χ²/NDF: 847.7/61
In: 7.761+/-0.155 χ²/NDF:2056.7/51
Out: 7.560+/-0.151 χ²/NDF:2546.9/57
All: 7.658+/-0.108 χ²/NDF: 4604.5/109



Right In: -20.771+/-0.016 χ^2/NDF: 12617.4/28

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

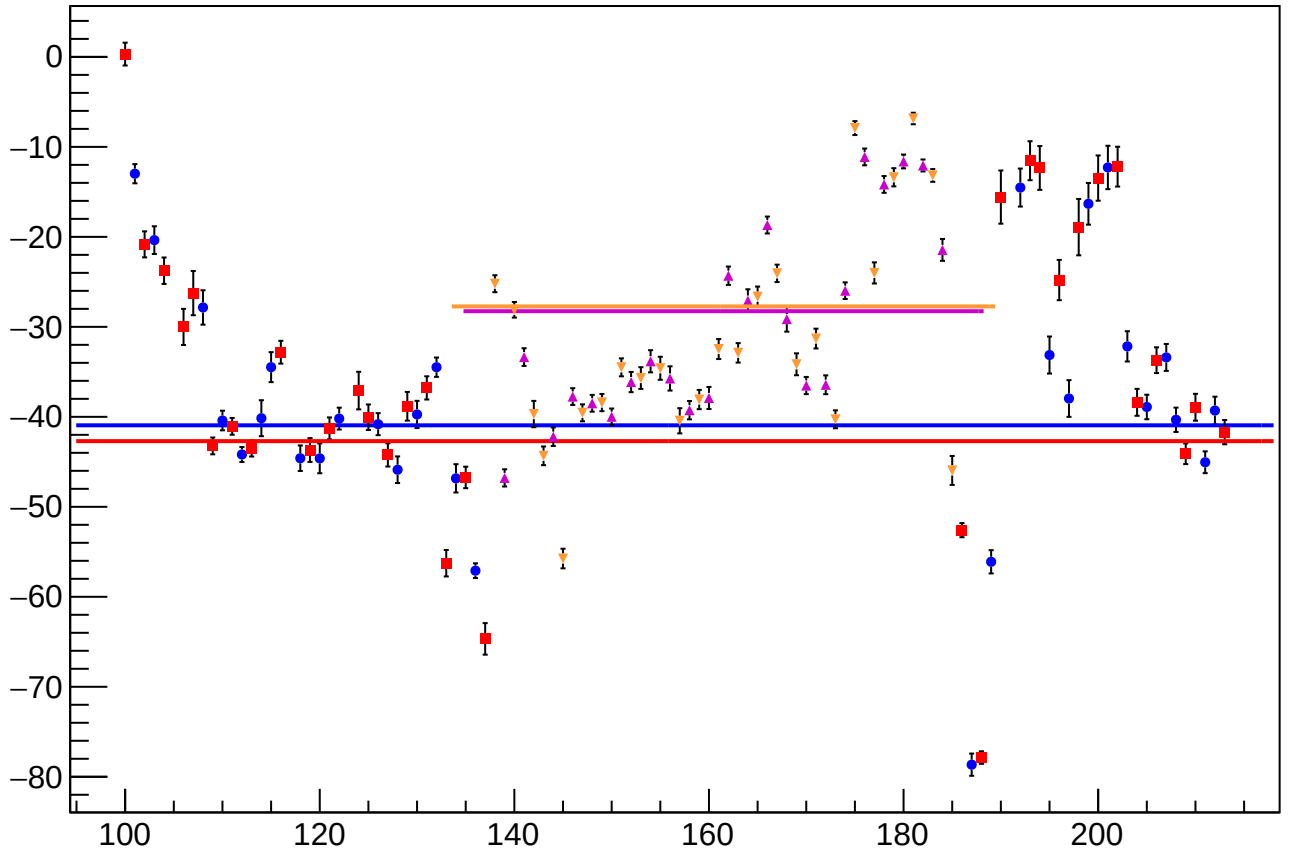
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.874+/-0.011 χ^2/NDF: 33406.0/61

In: -19.807+/-0.007 χ^2/NDF:62481.0/51

Out: -20.086+/-0.007 χ^2/NDF:103561.2/57

All: -19.948+/-0.005 χ^2/NDF: 166821.3/109



Right In: -40.942+/-0.253 χ^2/NDF: 2971.6/28

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

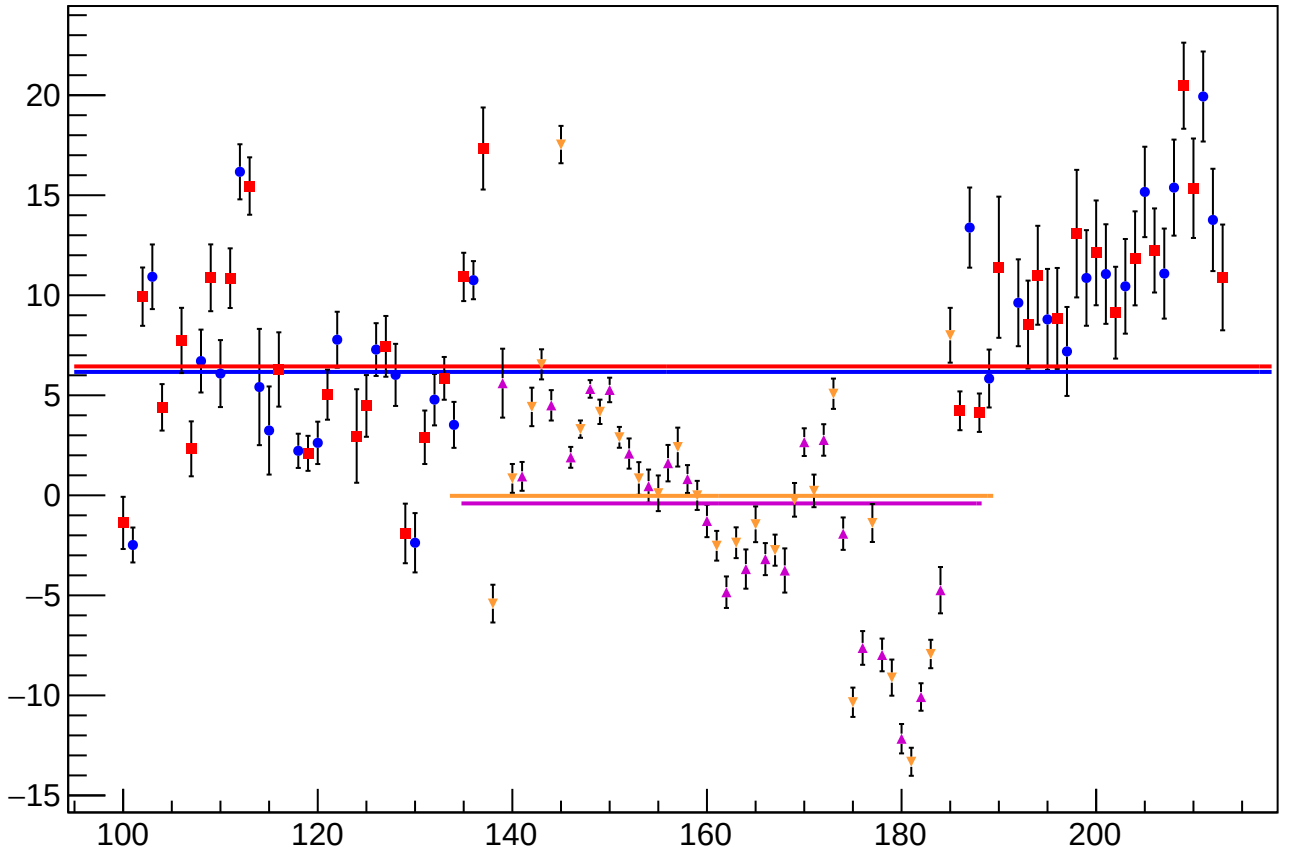
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.899+/-0.171 χ^2/NDF: 8643.5/61

In: -33.322+/-0.160 χ^2/NDF:7654.7/51

Out: -34.165+/-0.152 χ^2/NDF:12335.6/57

All: -33.766+/-0.110 χ^2/NDF: 20005.0/109



Right In: 6.168+/-0.280 χ^2/NDF: 368.4/28

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

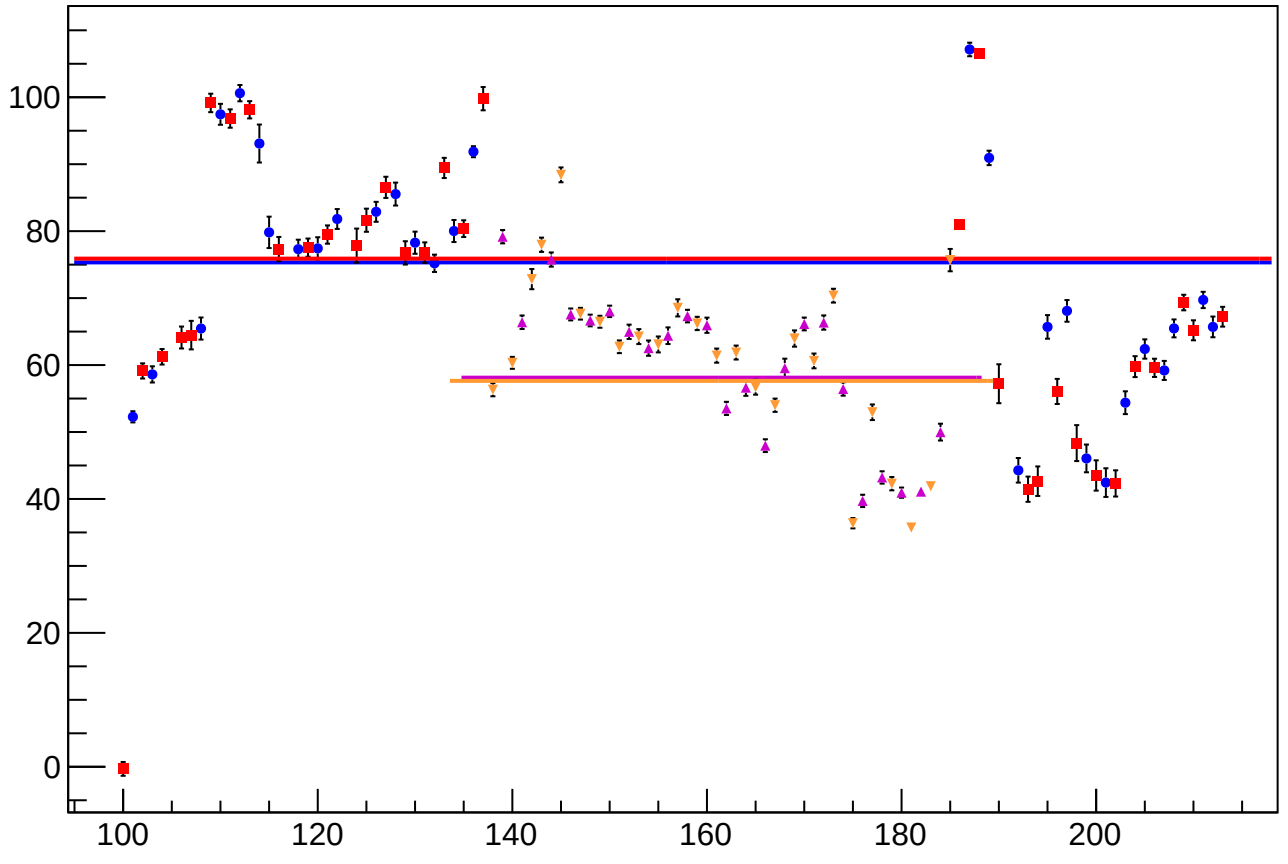
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 6.313+/-0.193 χ^2/NDF: 689.2/61

In: 1.141+/-0.136 χ^2/NDF:1872.7/51

Out: 1.545+/-0.131 χ^2/NDF:2302.0/57

All: 1.351+/-0.094 χ^2/NDF: 4179.3/109



Right In: 75.331+/-0.258 χ^2/NDF: 4598.4/28

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

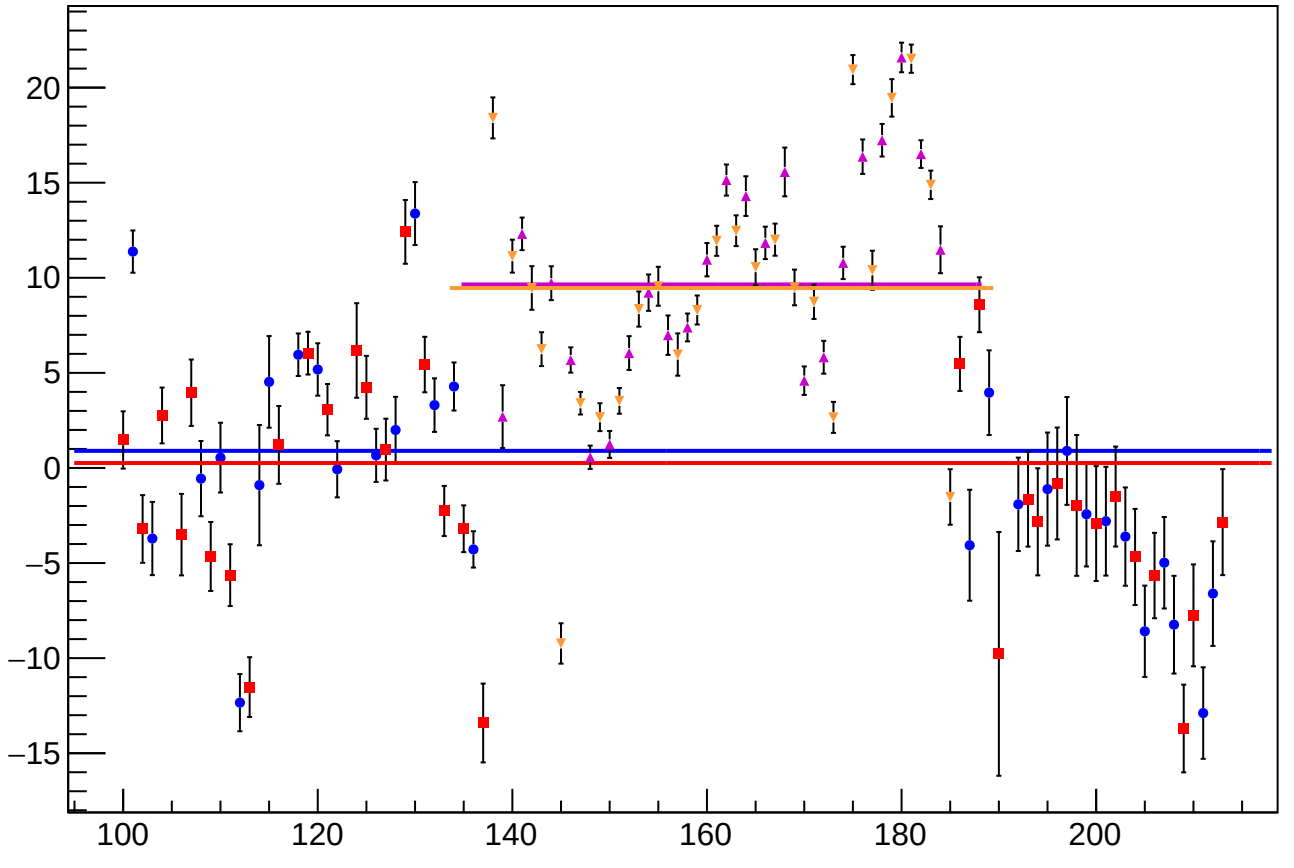
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 75.647+/-0.172 χ^2/NDF: 16413.1/61

In: 64.737+/-0.160 χ^2/NDF:10784.4/51

Out: 65.481+/-0.151 χ^2/NDF:20031.2/57

All: 65.131+/-0.110 χ^2/NDF: 30827.1/109



Right In: 0.900+/-0.325 χ^2/NDF: 389.8/28

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.260+/-0.314 χ^2/NDF: 364.9/32

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

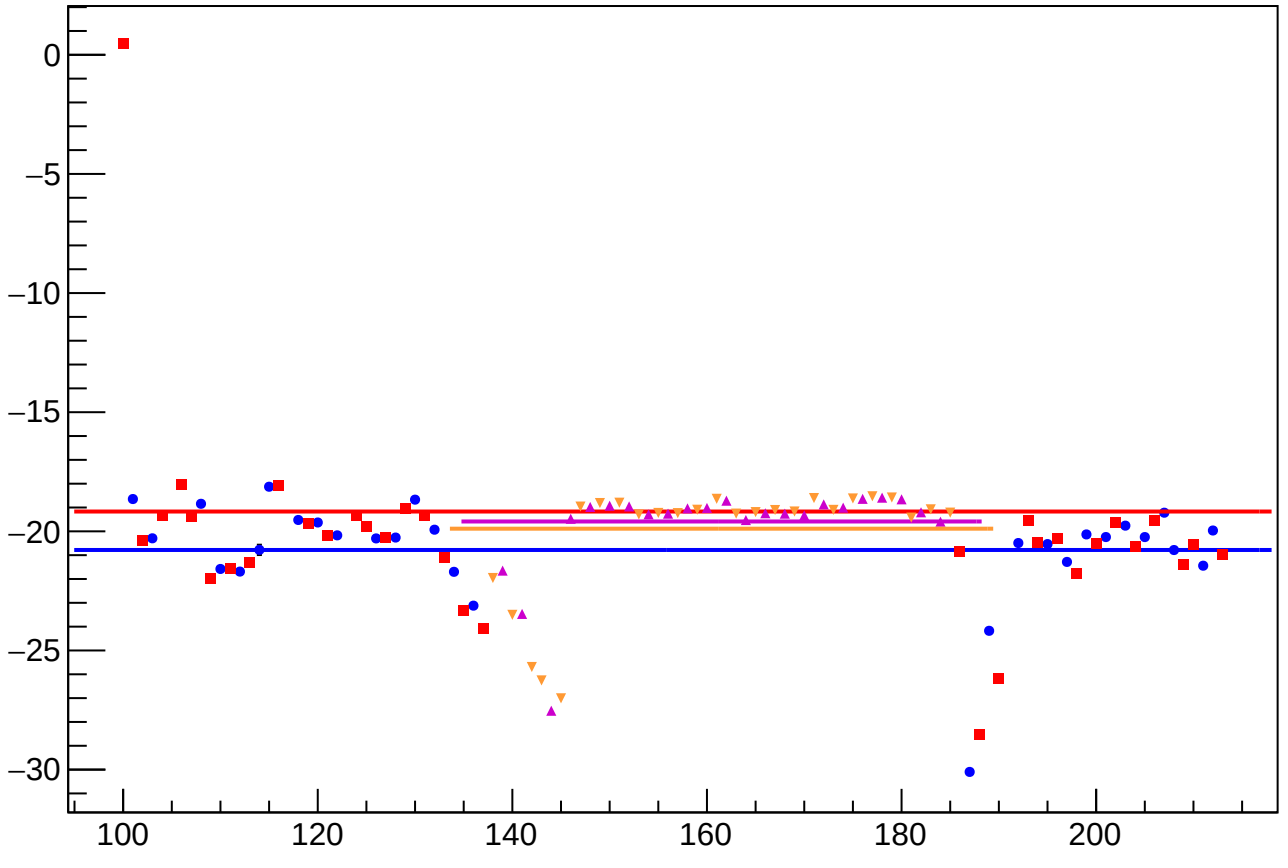
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 0.569+/-0.225 χ^2/NDF: 756.8/61

In: 7.651+/-0.155 χ^2/NDF:2029.2/51

Out: 7.339+/-0.151 χ^2/NDF:2510.7/57

All: 7.490+/-0.108 χ^2/NDF: 4542.0/109



Right In: -20.782+/-0.016 χ^2/NDF: 12501.6/28

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.168+/-0.015 χ^2/NDF: 172633.1/32

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

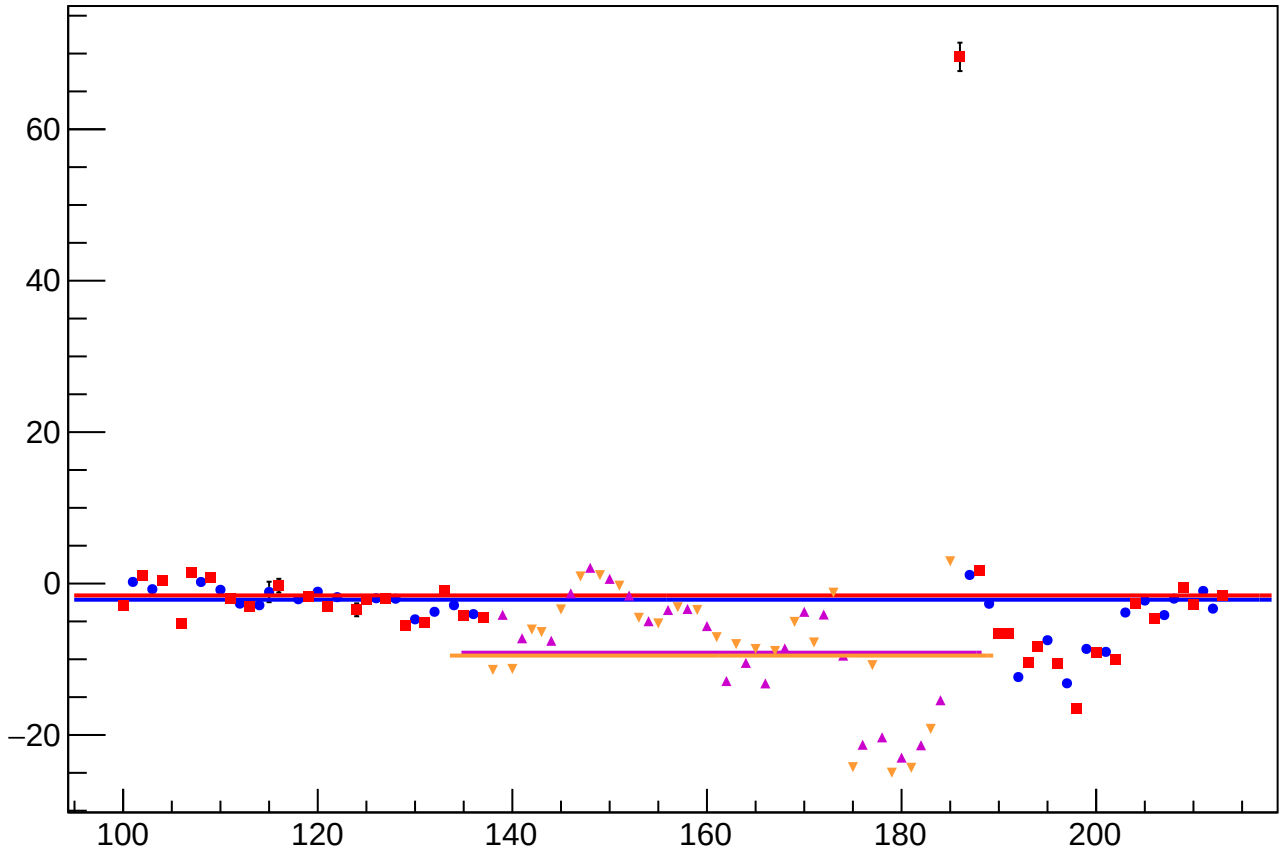
Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

Right: -19.944+/-0.011 χ^2/NDF: 190565.9/61

In: -19.829+/-0.007 χ^2/NDF:62164.3/51

Out: -19.736+/-0.007 χ^2/NDF:252919.0/57

All: -19.782+/-0.005 χ^2/NDF: 315170.7/109



Right In: -2.132+/-0.048 χ^2/NDF: 3363.7/28

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

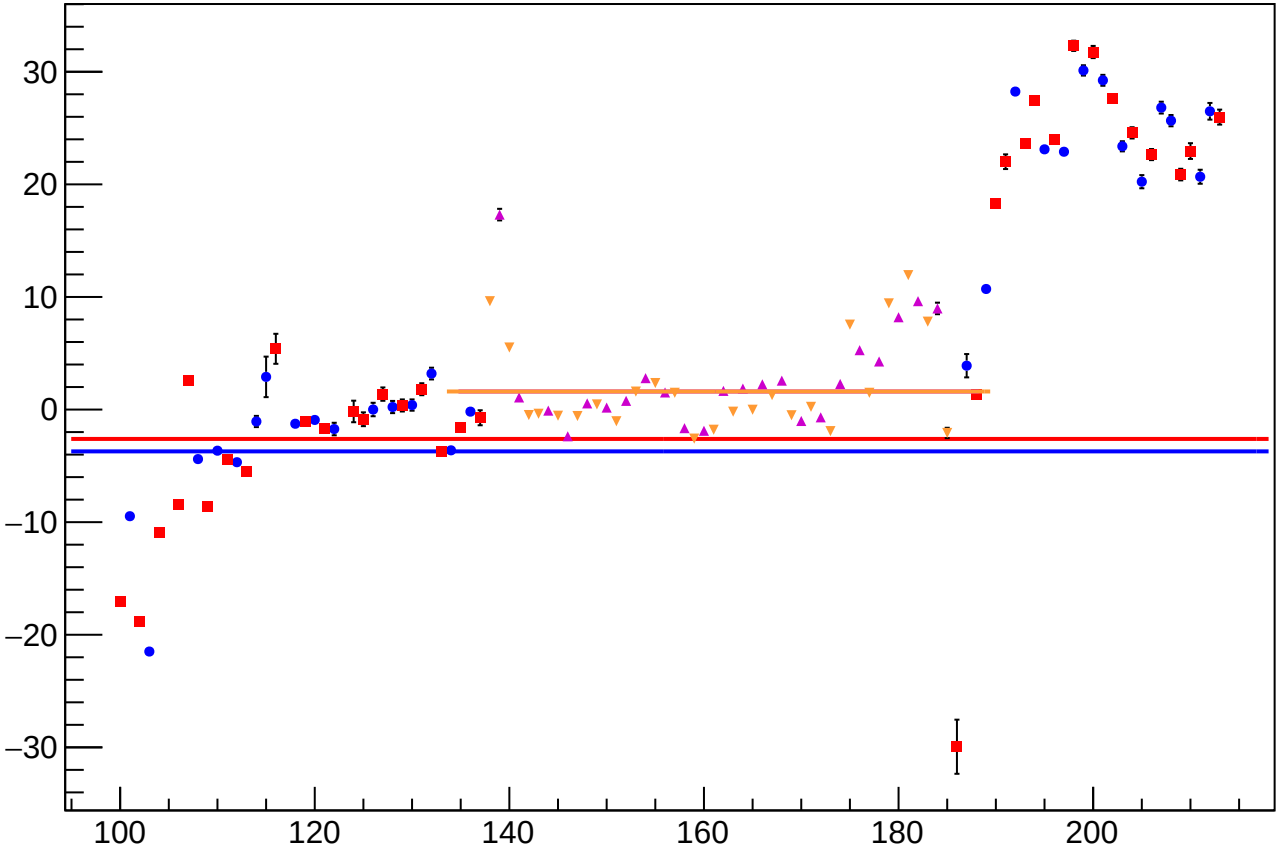
Right: -1.826+/-0.033 χ^2/NDF: 10407.8/62

In: -4.189+/-0.041 χ^2/NDF:19940.3/51

Out: -3.728+/-0.038 χ^2/NDF:28595.2/58

All: -3.943+/-0.028 χ^2/NDF: 48604.6/110

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.714+/-0.052 χ^2/NDF: 64513.0/28

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

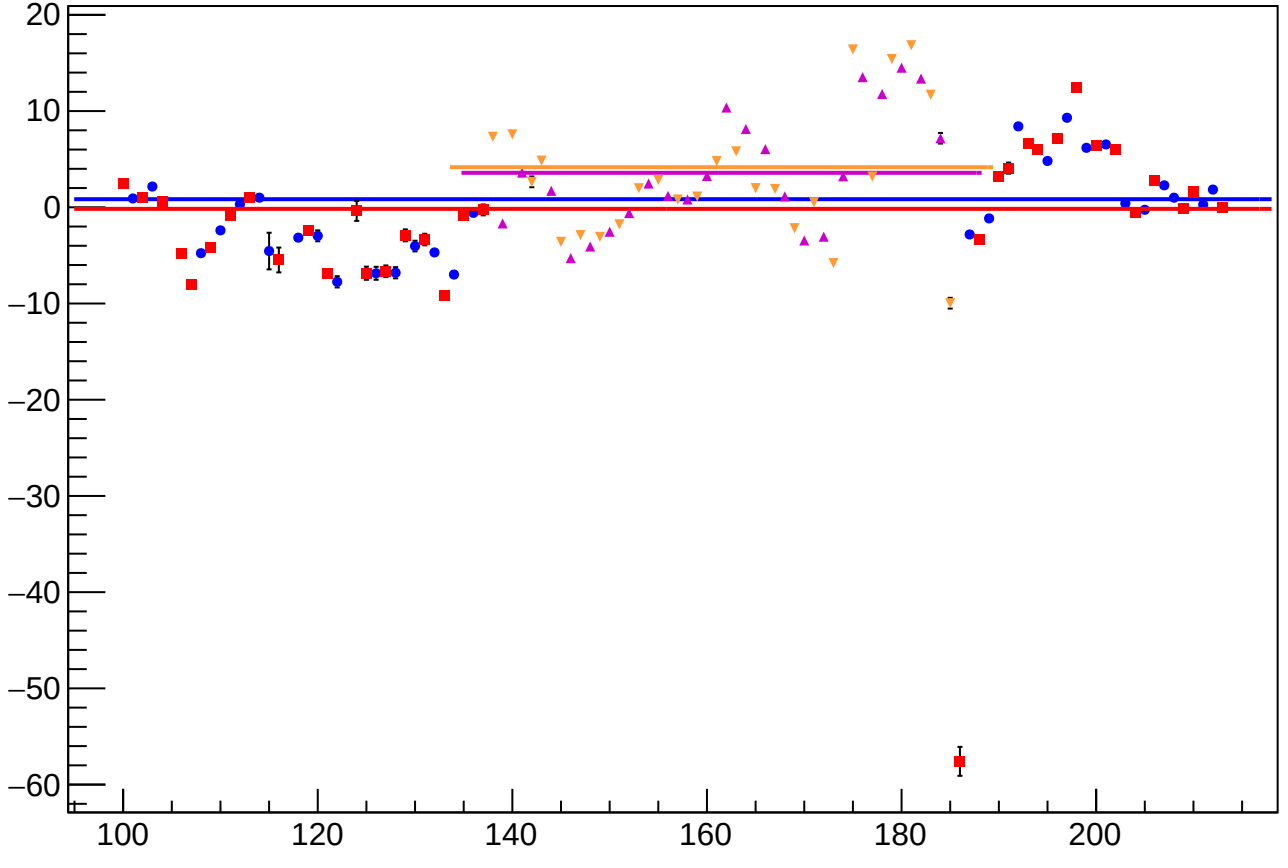
Right: -3.154+/-0.037 χ^2/NDF: 133358.0/62

In: -1.311+/-0.039 χ^2/NDF:72831.2/51

Out: -0.640+/-0.038 χ^2/NDF:76404.0/58

All: -0.966+/-0.027 χ^2/NDF: 149389.2/110

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.841+/-0.046 χ^2/NDF: 4181.0/28

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

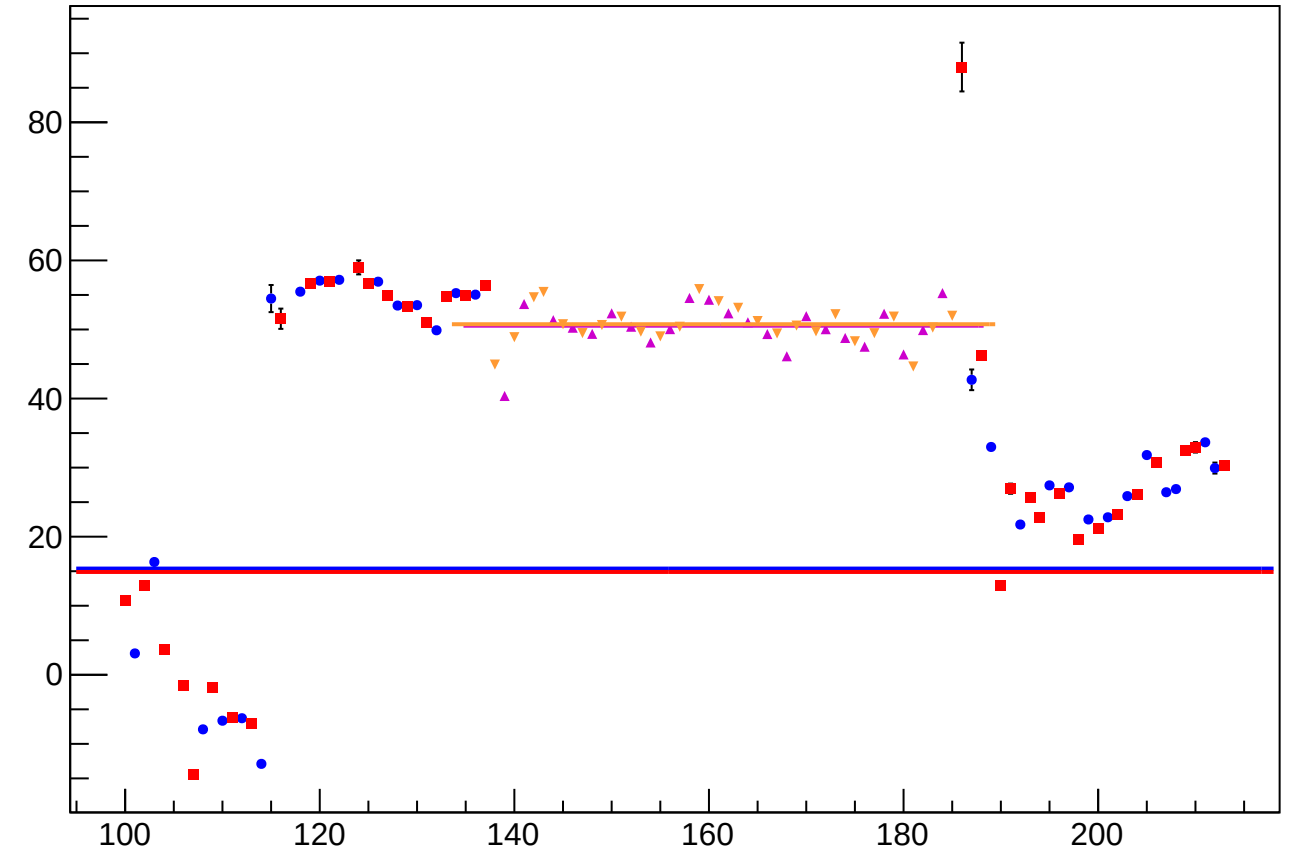
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.322+/-0.032 χ^2/NDF: 12649.8/62

In: 1.617+/-0.039 χ^2/NDF:12396.0/51

Out: 1.045+/-0.038 χ^2/NDF:20073.3/58

All: 1.322+/-0.027 χ^2/NDF: 32578.3/110



Right In: 15.381+/-0.062 χ^2/NDF: 115921.7/28

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

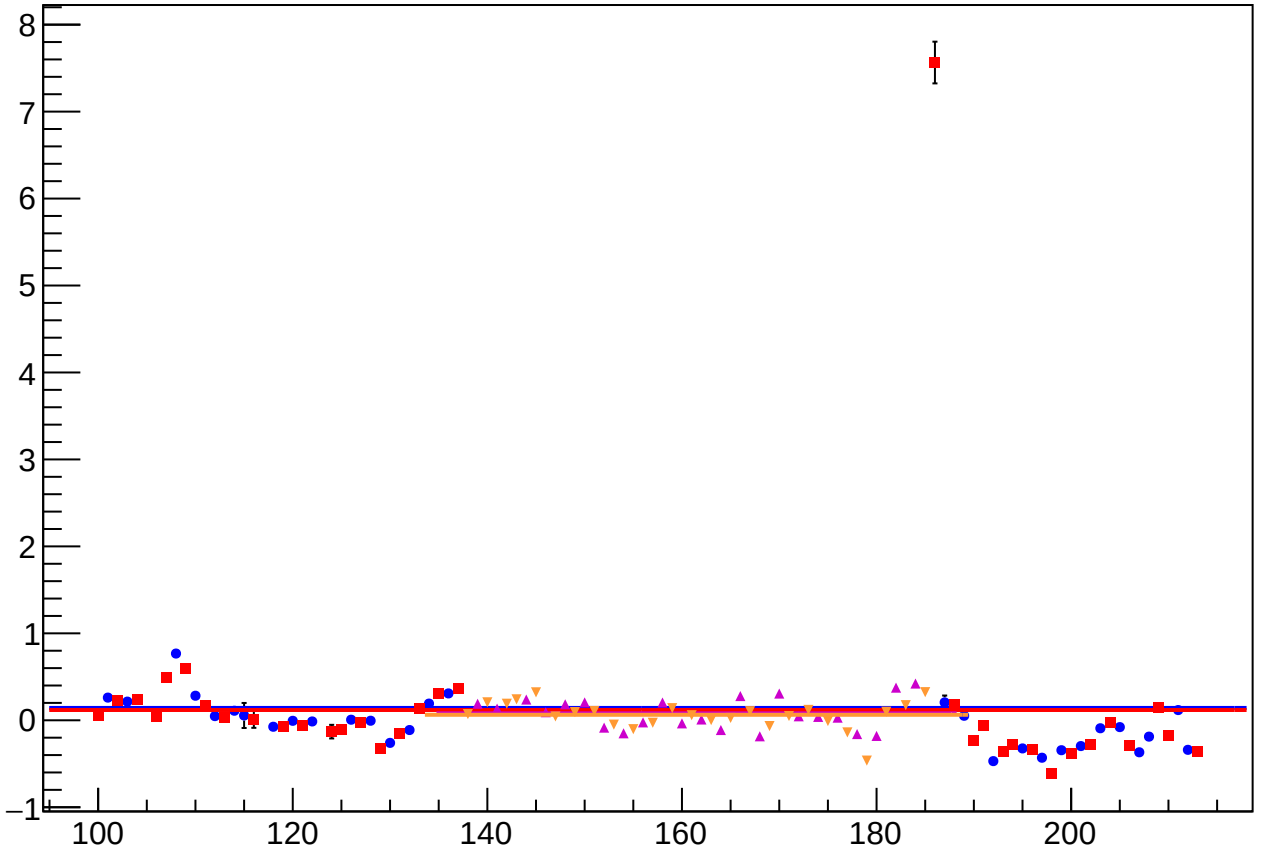
Right: 15.133+/-0.044 χ^2/NDF: 248820.6/62

In: 32.238+/-0.045 χ^2/NDF:271162.3/51

Out: 32.463+/-0.044 χ^2/NDF:302972.2/58

All: 32.353+/-0.031 χ^2/NDF: 574147.4/110

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142+/-0.002 χ^2/NDF: 13677.0/28

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

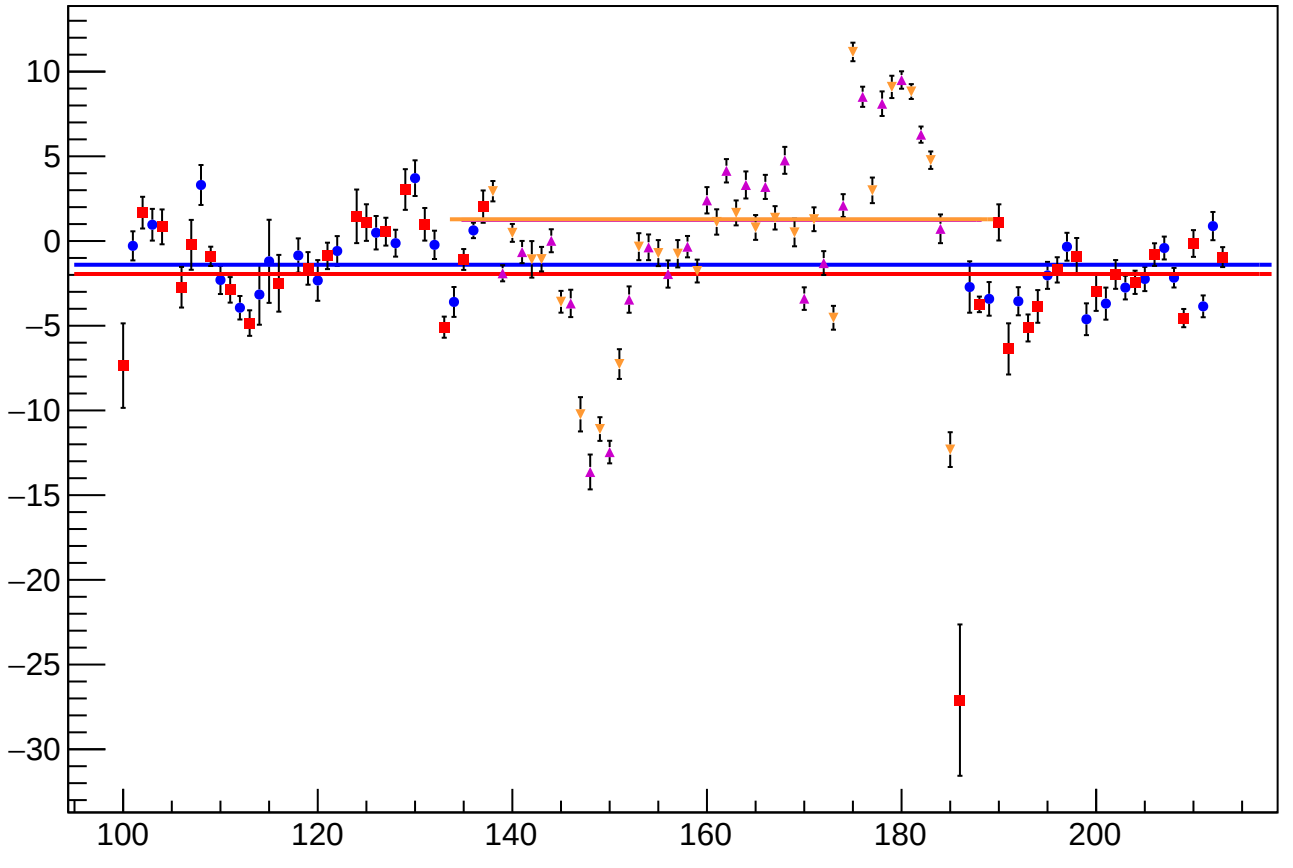
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.130+/-0.002 χ^2/NDF: 26928.9/62

In: 0.115+/-0.002 χ^2/NDF:17400.5/51

Out: 0.095+/-0.002 χ^2/NDF:15996.7/58

All: 0.105+/-0.001 χ^2/NDF: 33456.3/110



Right In: -1.401+/-0.153 χ^2/NDF: 161.5/28

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

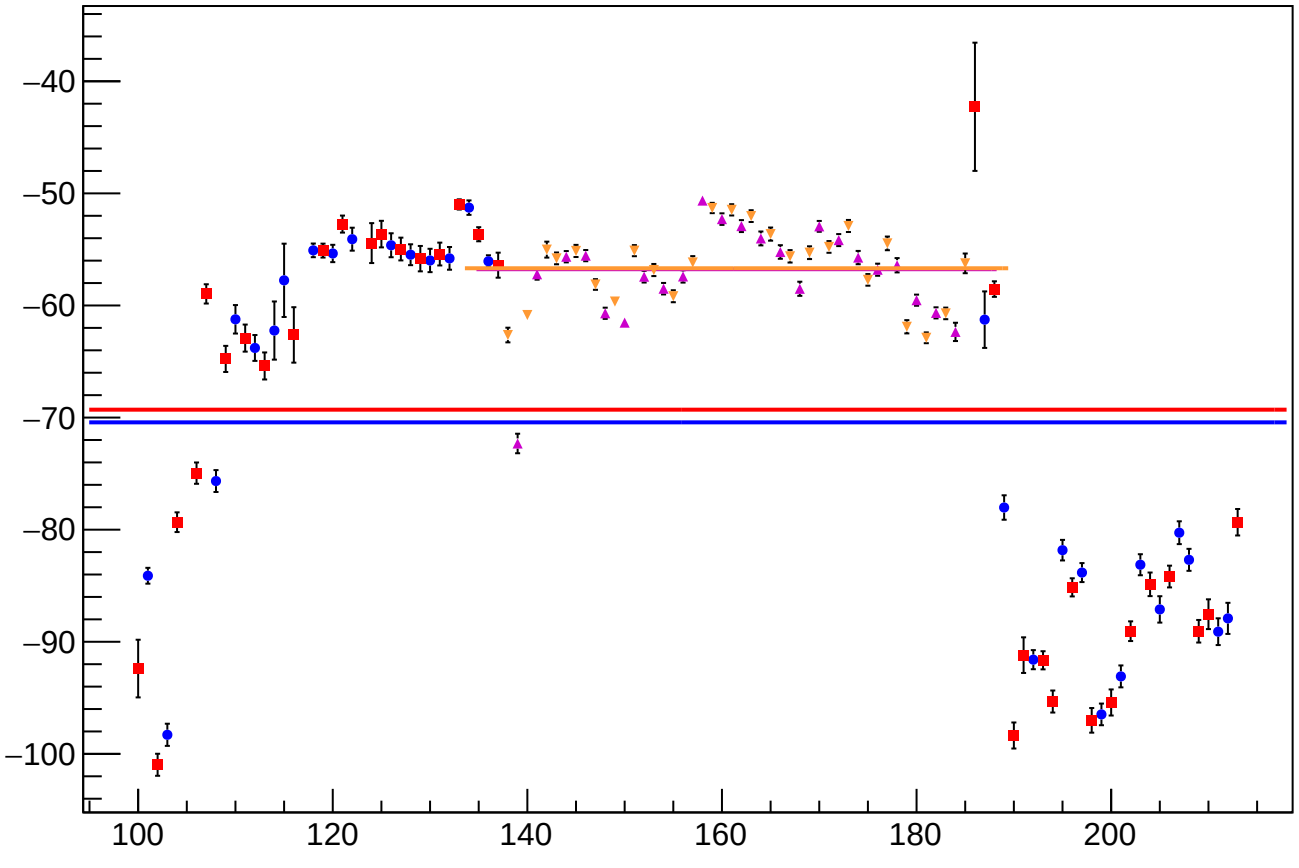
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.695+/-0.104 χ^2/NDF: 432.2/62

In: 0.040+/-0.104 χ^2/NDF:1835.9/51

Out: -0.277+/-0.098 χ^2/NDF:2247.9/58

All: -0.126+/-0.071 χ^2/NDF: 4088.7/110



Right In: -70.427+/-0.174 χ^2/NDF: 8448.8/28

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

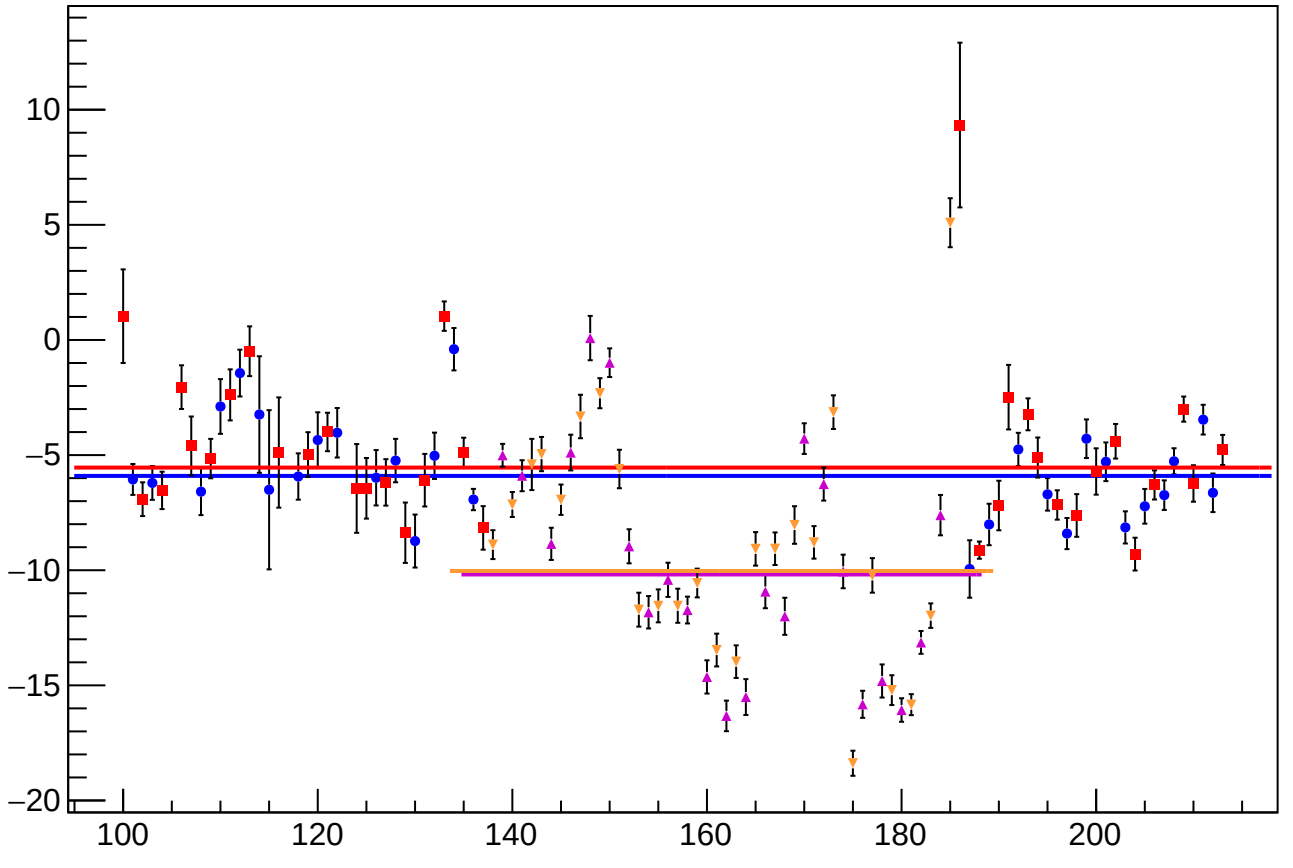
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -69.822+/-0.119 χ^2/NDF: 19768.2/62

In: -60.763+/-0.094 χ^2/NDF:13915.3/51

Out: -60.505+/-0.089 χ^2/NDF:16508.9/58

All: -60.628+/-0.065 χ^2/NDF: 30428.1/110



Right In: -5.904+/-0.153 χ^2/NDF: 149.3/28

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

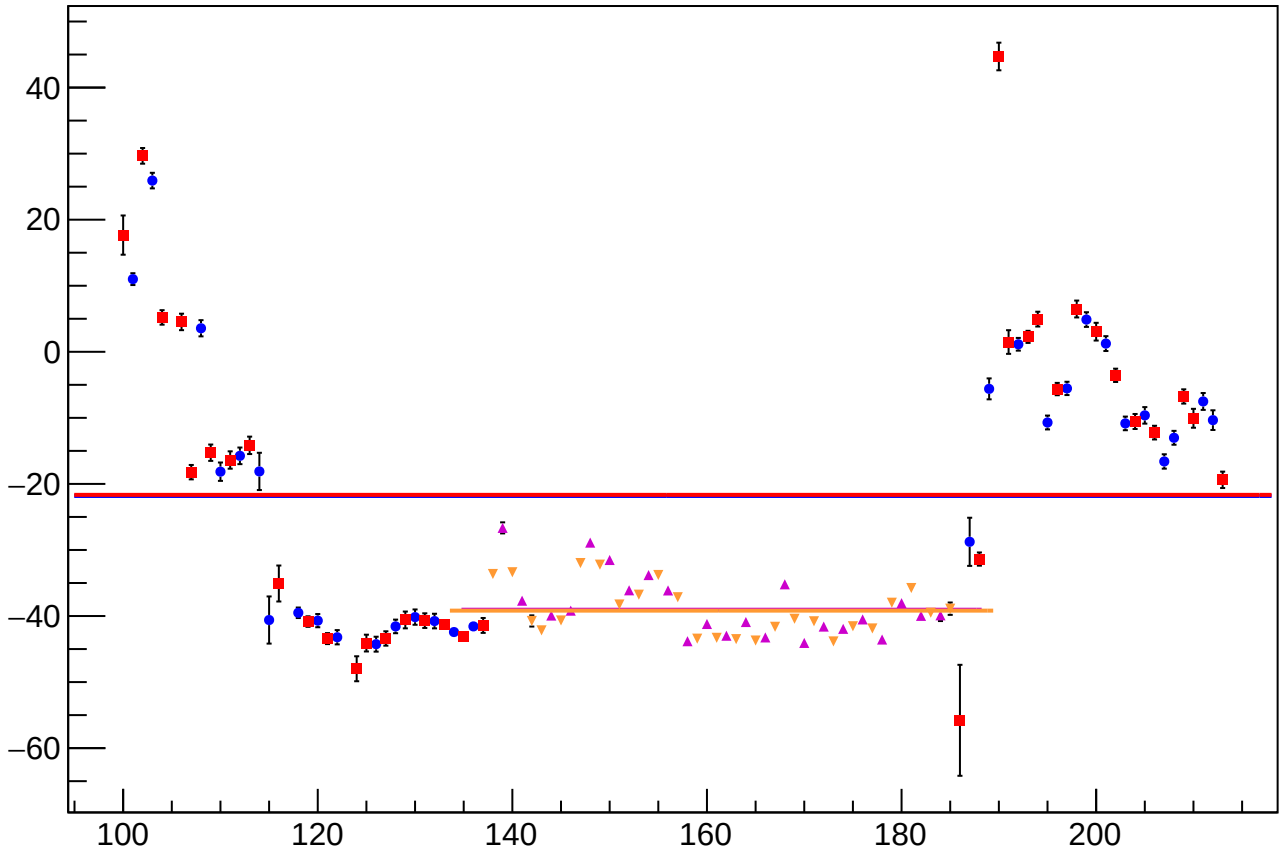
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -5.709+/-0.104 χ^2/NDF: 531.6/62

In: -8.243+/-0.103 χ^2/NDF:1721.3/51

Out: -7.864+/-0.098 χ^2/NDF:2086.9/58

All: -8.044+/-0.071 χ^2/NDF: 3815.4/110



Right In: -21.824+/-0.198 χ^2/NDF: 10713.6/28

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

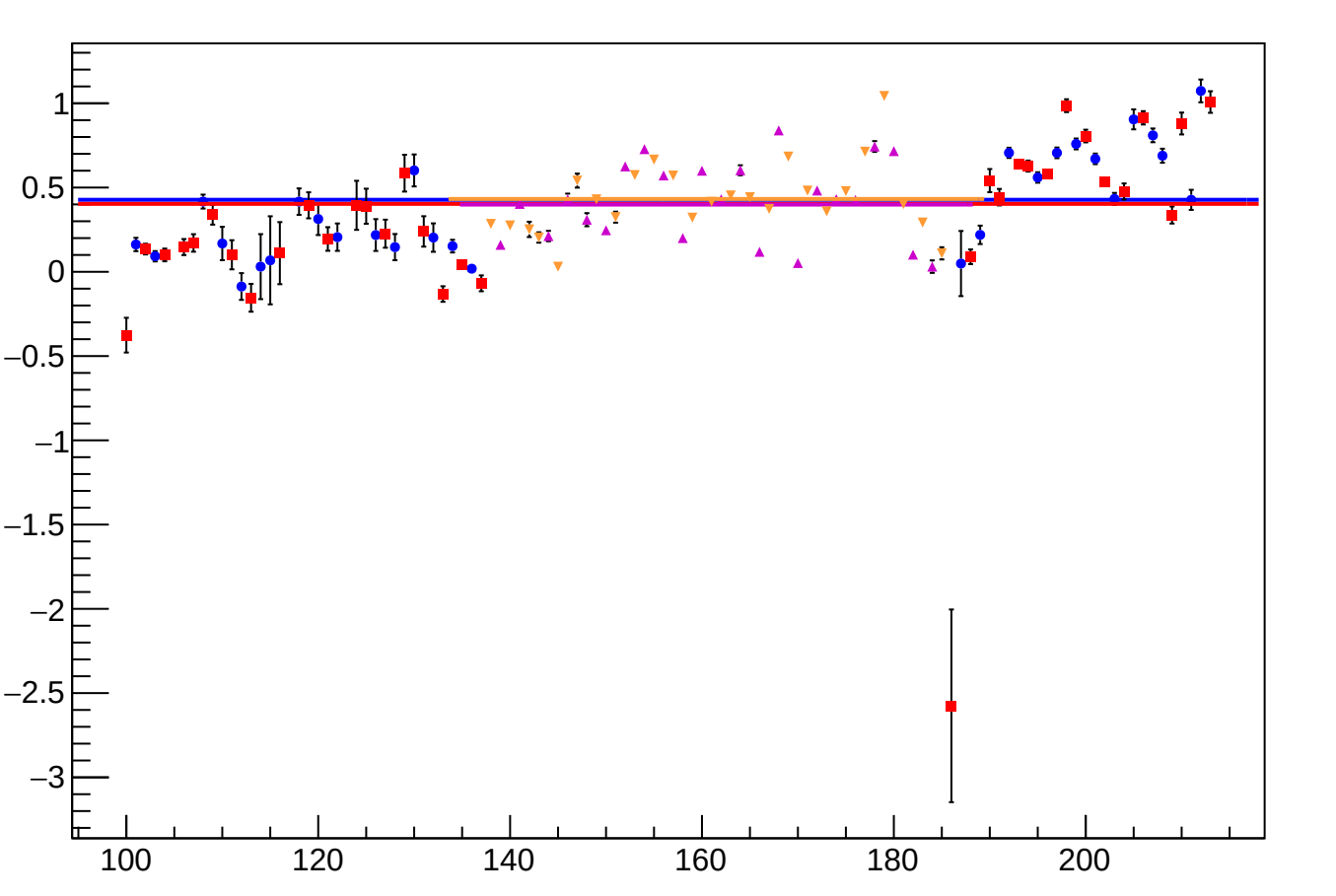
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -21.736+/-0.136 χ^2/NDF: 23661.4/62

In: -34.178+/-0.105 χ^2/NDF:17368.0/51

Out: -34.116+/-0.101 χ^2/NDF:20147.6/58

All: -34.146+/-0.073 χ^2/NDF: 37515.8/110



Right In: 0.427+/-0.008 χ^2/NDF: 1316.2/28

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

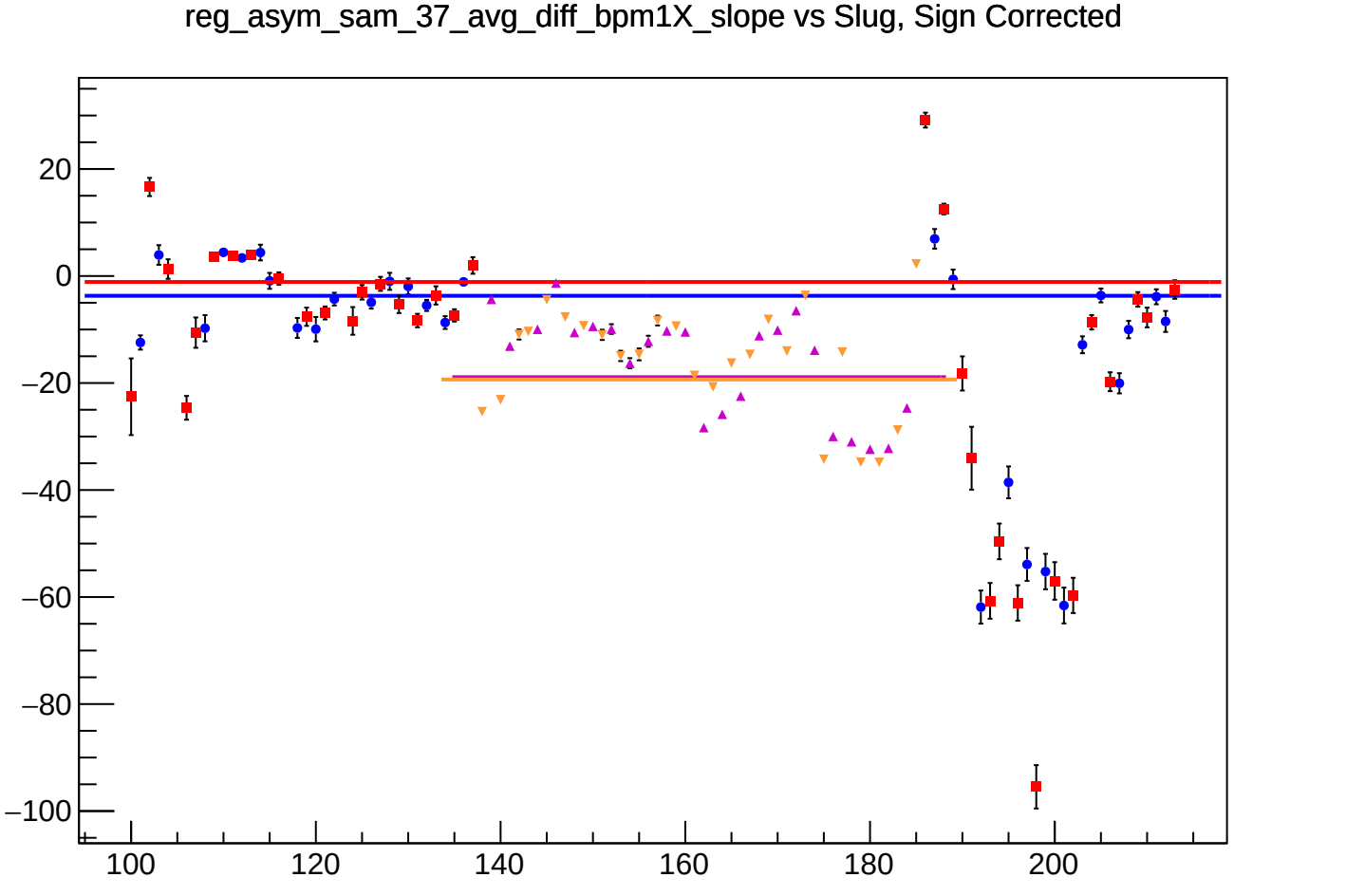
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

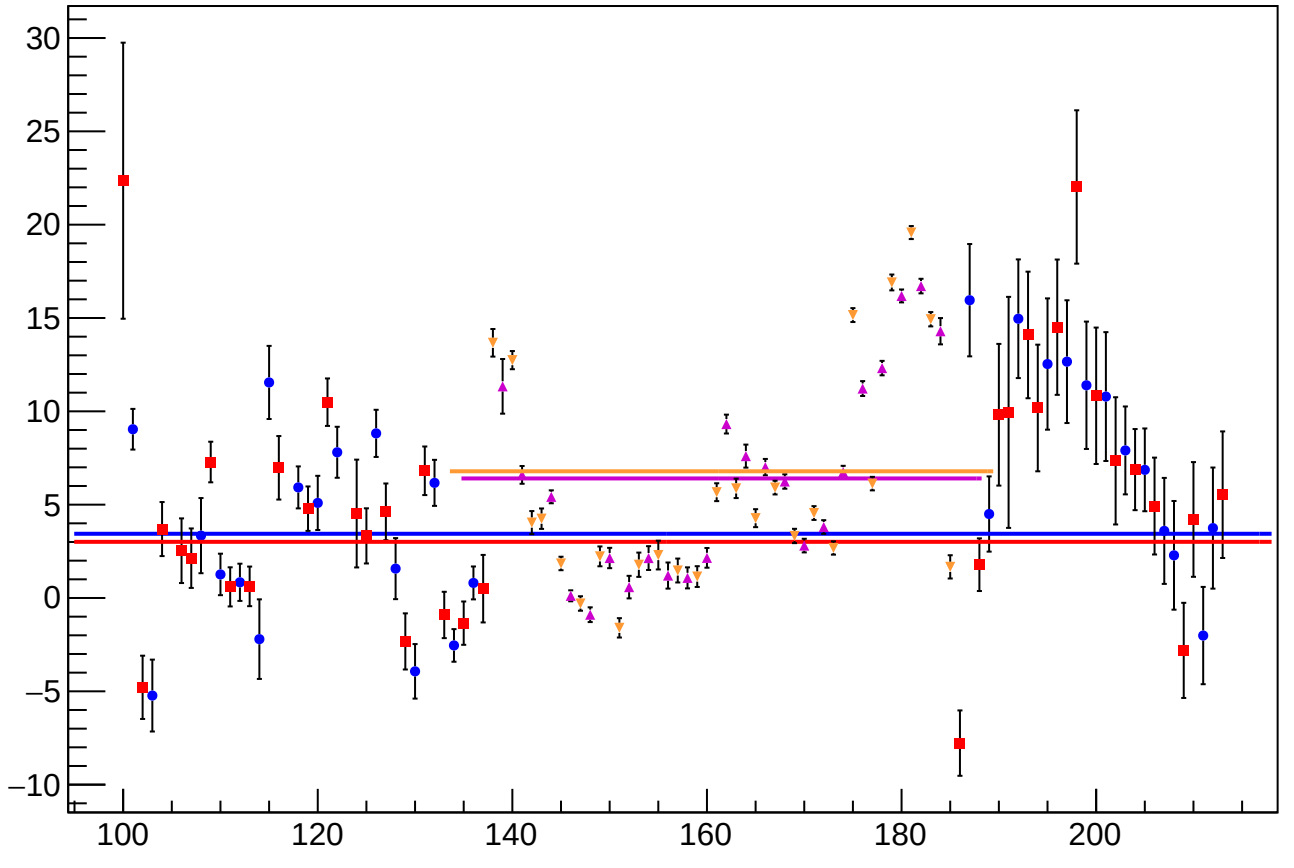
Right: 0.415+/-0.006 χ^2/NDF: 3004.8/62

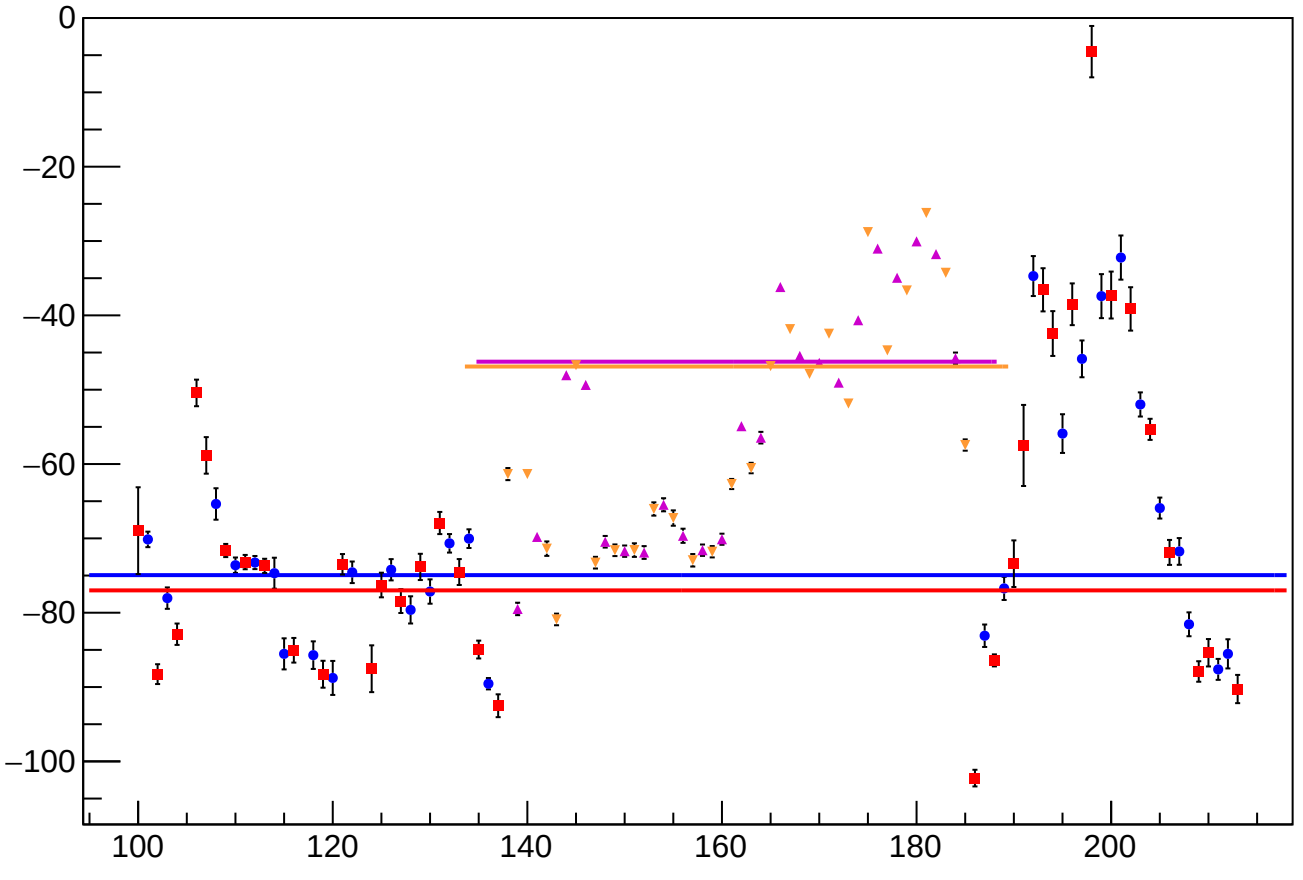
In: 0.407+/-0.004 χ^2/NDF:3248.3/51

Out: 0.423+/-0.004 χ^2/NDF:3062.1/58

All: 0.415+/-0.003 χ^2/NDF: 6316.9/110


reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -3.699+/-0.248 χ²/NDF: 1884.5/28
Left Out: -19.347+/-0.113 χ²/NDF:10394.7/24
Right Out: -1.110+/-0.234 χ²/NDF: 3394.3/33
Left In: -18.902+/-0.116 χ²/NDF:8286.2/22
Left: -19.130+/-0.081 χ²/NDF: 18688.5/47
Right: -2.327+/-0.170 χ²/NDF: 5336.3/62
In: -16.171+/-0.105 χ²/NDF:13248.4/51
Out: -15.876+/-0.102 χ²/NDF:18714.4/58
All: -16.019+/-0.073 χ²/NDF: 31966.8/110


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: 3.440+/-0.291 χ²/NDF: 269.2/28
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: 3.226+/-0.206 χ²/NDF: 521.1/62
In: 6.138+/-0.087 χ²/NDF:3774.4/51
Out: 6.459+/-0.086 χ²/NDF:5036.3/58
All: 6.300+/-0.061 χ²/NDF: 8817.6/110



Right In: -74.944+/-0.275 χ^2/NDF: 1732.7/28

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

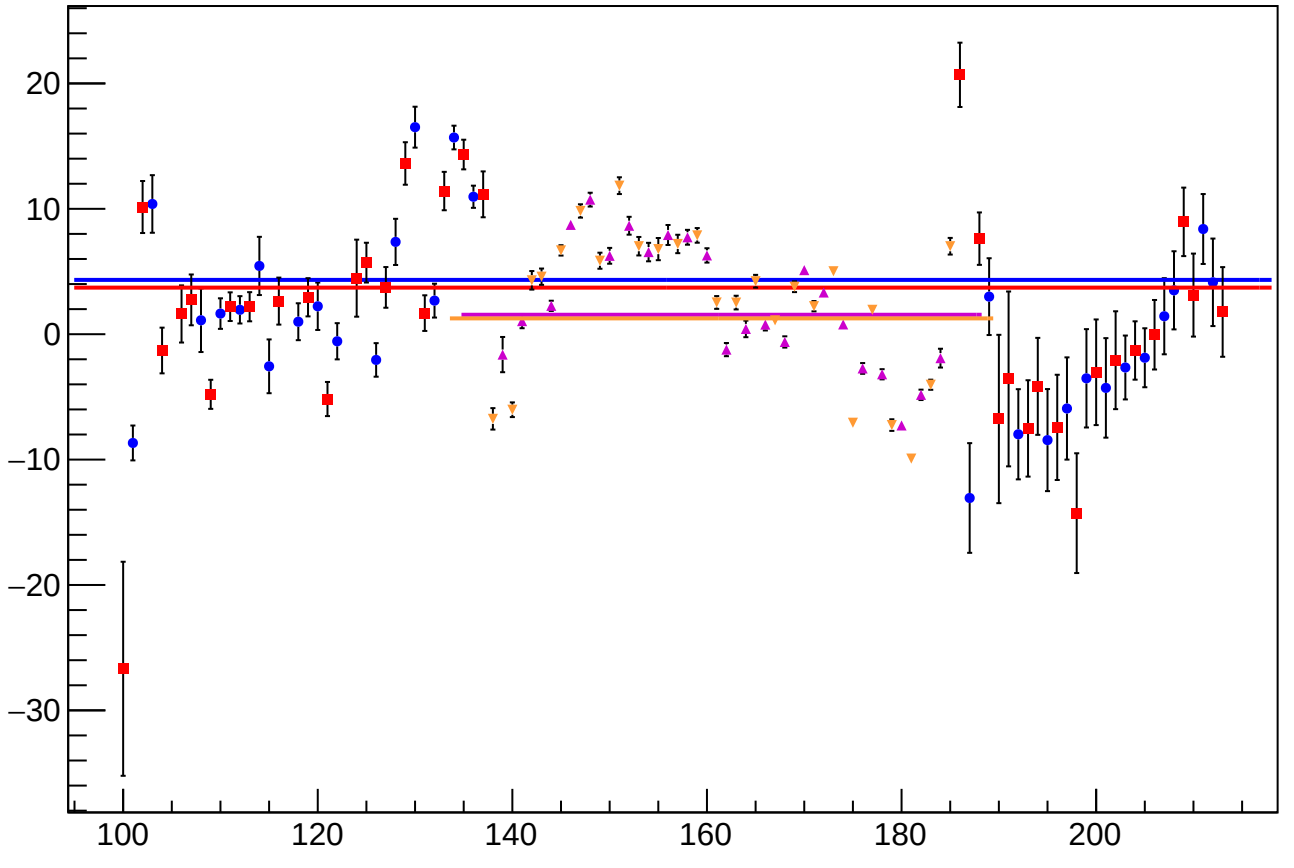
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -76.010+/-0.190 χ^2/NDF: 4772.4/62

In: -50.596+/-0.107 χ^2/NDF:26173.8/51

Out: -51.605+/-0.105 χ^2/NDF:31946.1/58

All: -51.112+/-0.075 χ^2/NDF: 58165.3/110



Right In: 4.332+/-0.326 χ^2/NDF: 487.8/28

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

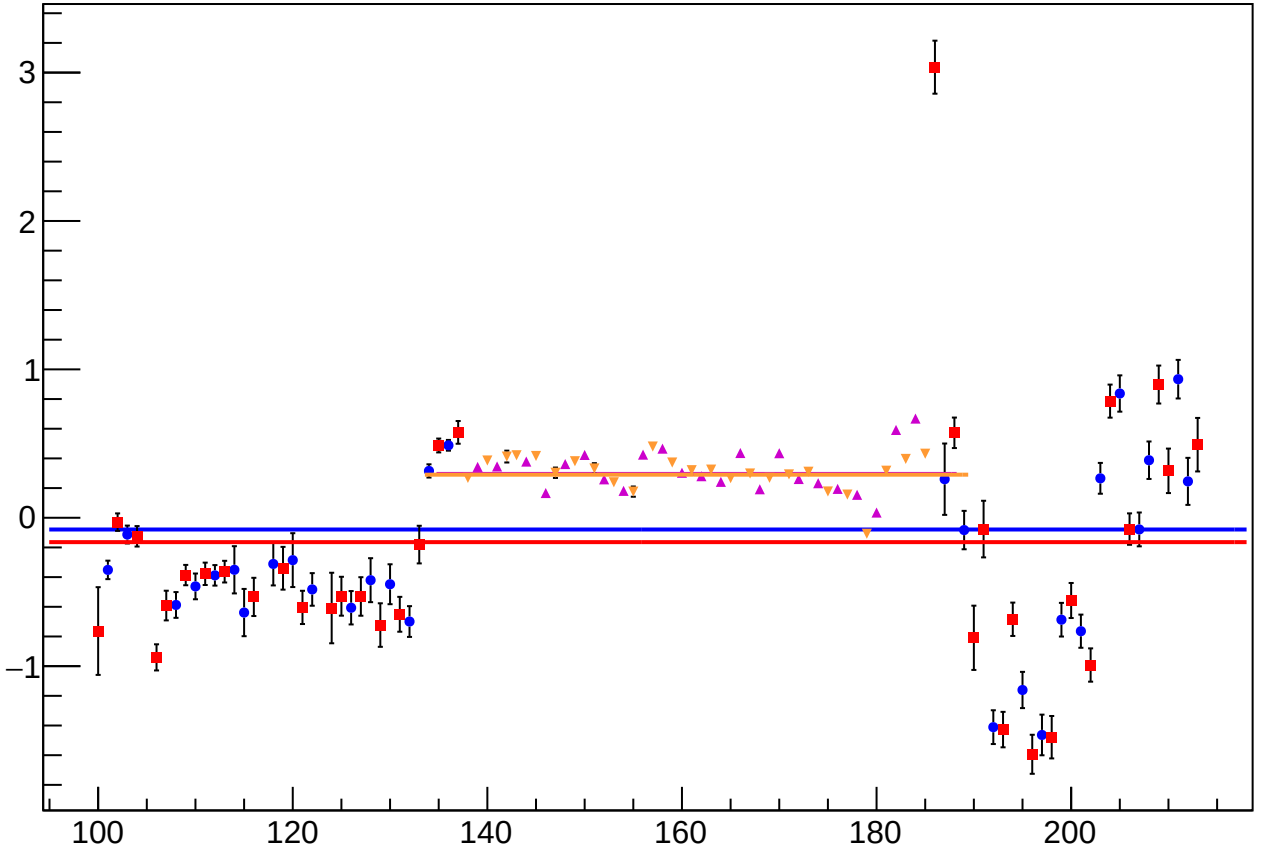
Right: 4.030+/-0.233 χ^2/NDF: 881.2/62

In: 1.799+/-0.097 χ^2/NDF:2889.8/51

Out: 1.467+/-0.096 χ^2/NDF:3887.3/58

All: 1.631+/-0.068 χ^2/NDF: 6783.0/110

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079+/-0.017 χ^2/NDF: 1052.1/28

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.164+/-0.017 χ^2/NDF: 1444.0/33

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

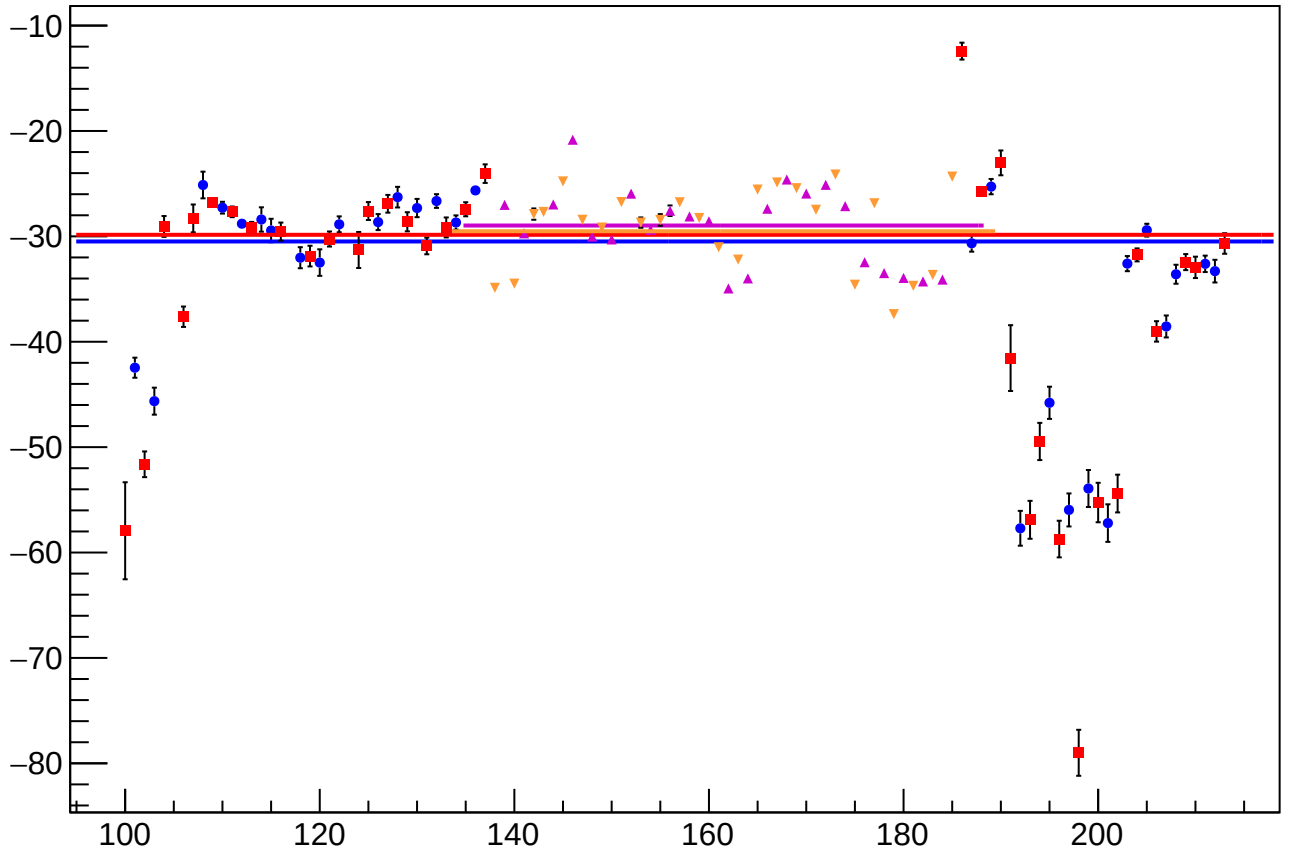
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.120+/-0.012 χ^2/NDF: 2508.6/62

In: 0.269+/-0.004 χ^2/NDF:2559.1/51

Out: 0.262+/-0.004 χ^2/NDF:2809.4/58

All: 0.265+/-0.003 χ^2/NDF: 5370.0/110



Right In: -30.484+/-0.151 χ^2/NDF: 1767.8/28

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.852+/-0.145 χ^2/NDF: 2805.8/33

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

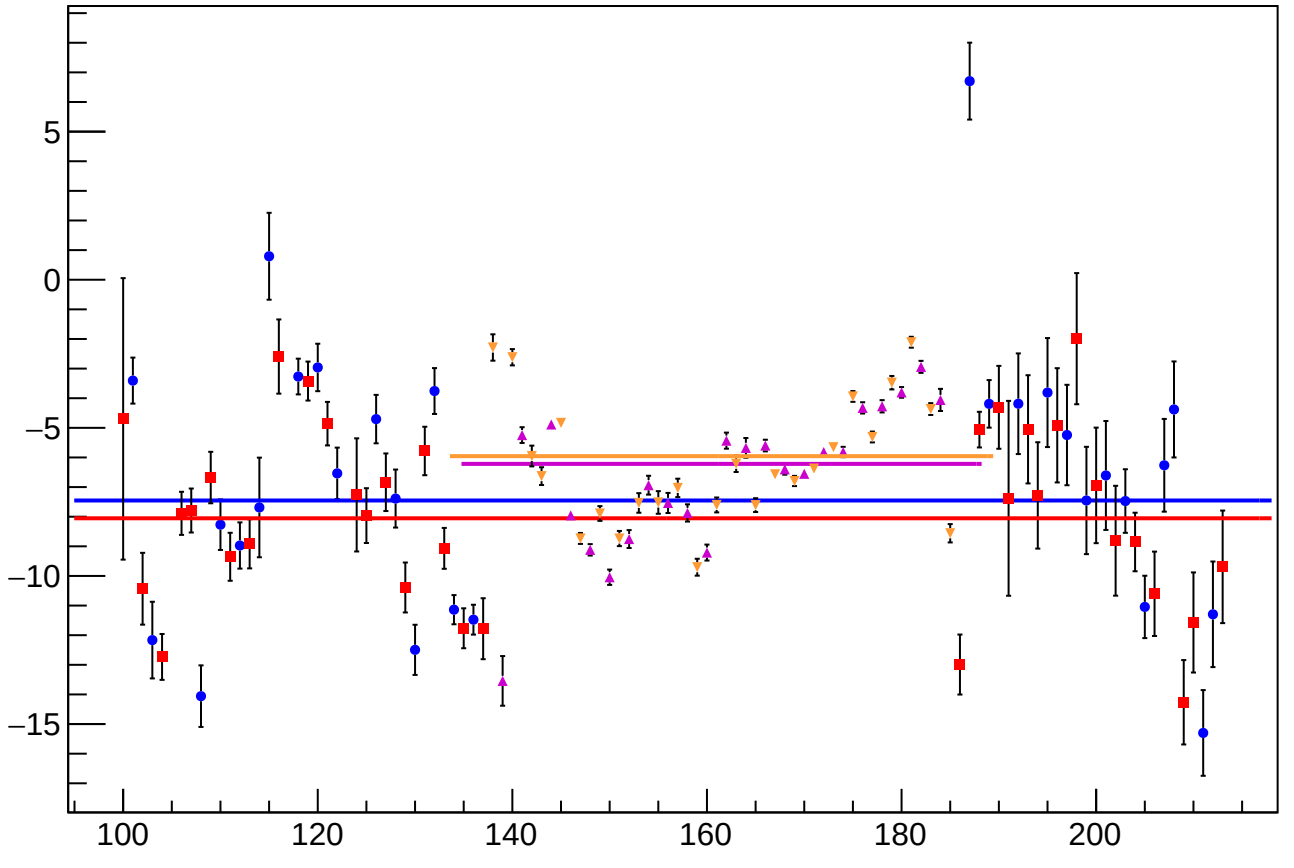
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -30.155+/-0.105 χ^2/NDF: 4582.7/62

In: -29.158+/-0.053 χ^2/NDF:7203.8/51

Out: -29.560+/-0.053 χ^2/NDF:8898.9/58

All: -29.362+/-0.037 χ^2/NDF: 16131.5/110



Right In: -7.452+/-0.173 χ^2/NDF: 581.9/28

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

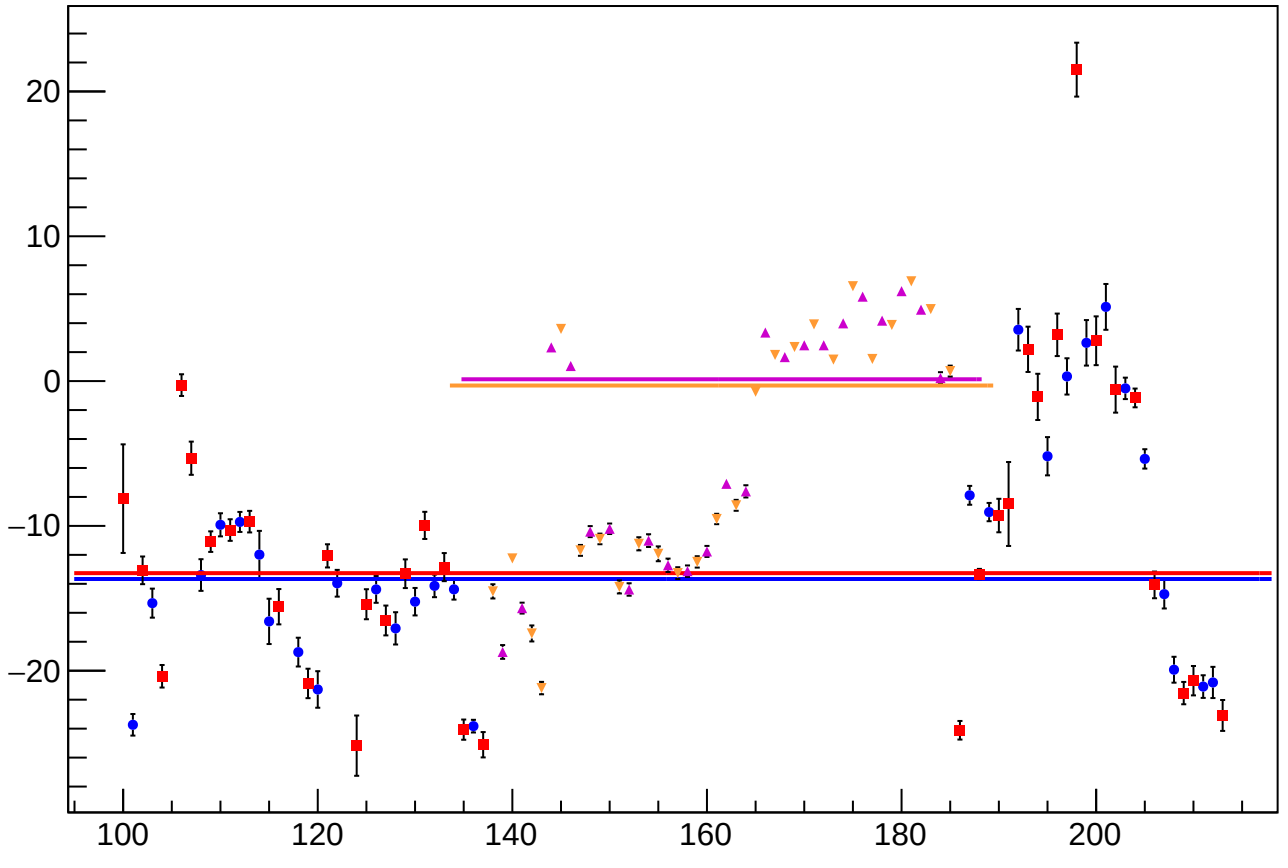
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.758+/-0.121 χ^2/NDF: 882.7/62

In: -6.292+/-0.043 χ^2/NDF:2371.6/51

Out: -6.090+/-0.043 χ^2/NDF:2294.4/58

All: -6.192+/-0.030 χ^2/NDF: 4677.2/110



Right In: -13.667+/-0.160 χ^2/NDF: 2204.4/28

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

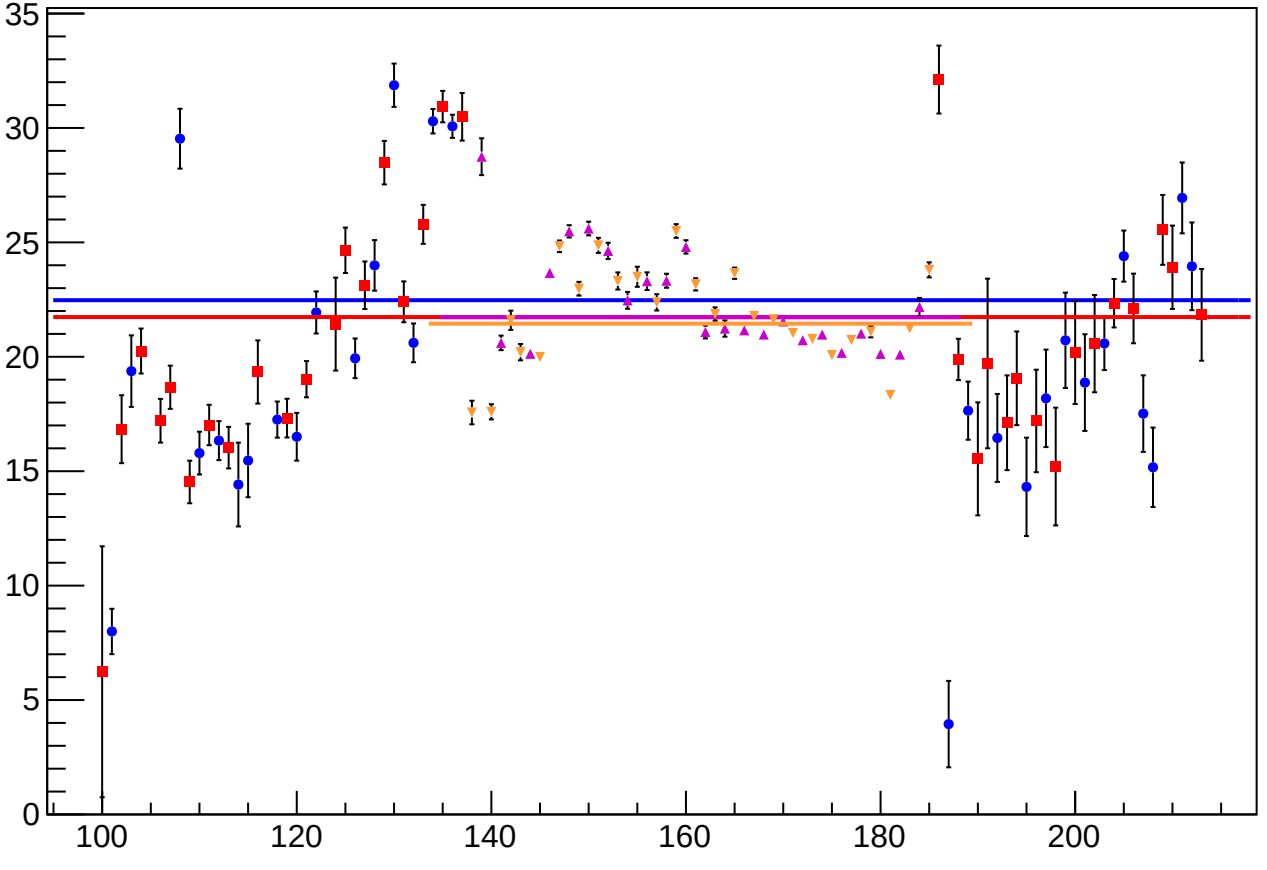
Right: -13.453+/-0.110 χ^2/NDF: 4922.9/62

In: -1.426+/-0.054 χ^2/NDF:22627.5/51

Out: -1.890+/-0.053 χ^2/NDF:26313.0/58

All: -1.661+/-0.038 χ^2/NDF: 48978.3/110

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.473+/-0.196 χ^2/NDF: 1203.3/28

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

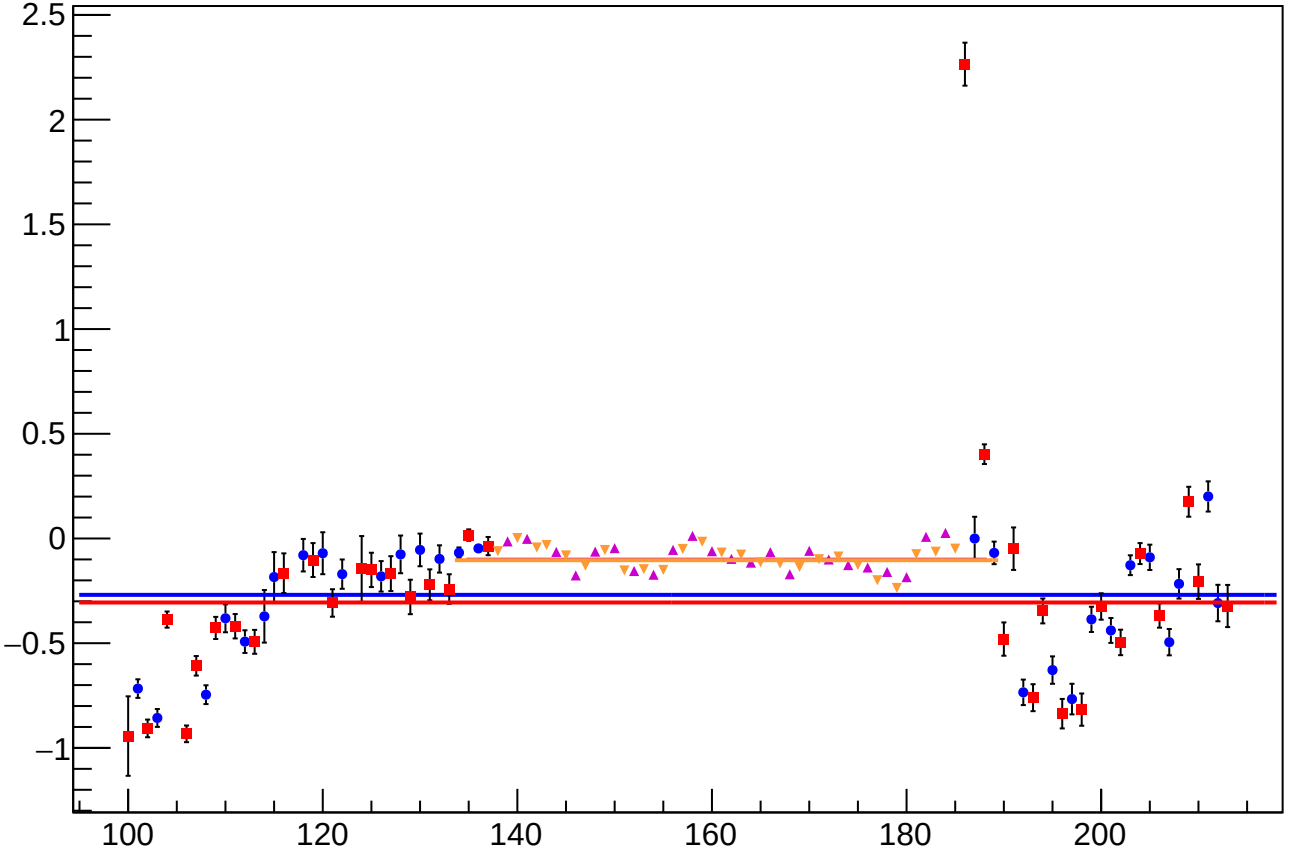
Right: 22.110+/-0.140 χ^2/NDF: 1854.2/62

In: 21.770+/-0.048 χ^2/NDF:2390.6/51

Out: 21.464+/-0.048 χ^2/NDF:1971.2/58

All: 21.617+/-0.034 χ^2/NDF: 4382.1/110

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.269+/-0.010 χ^2/NDF: 877.4/28

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

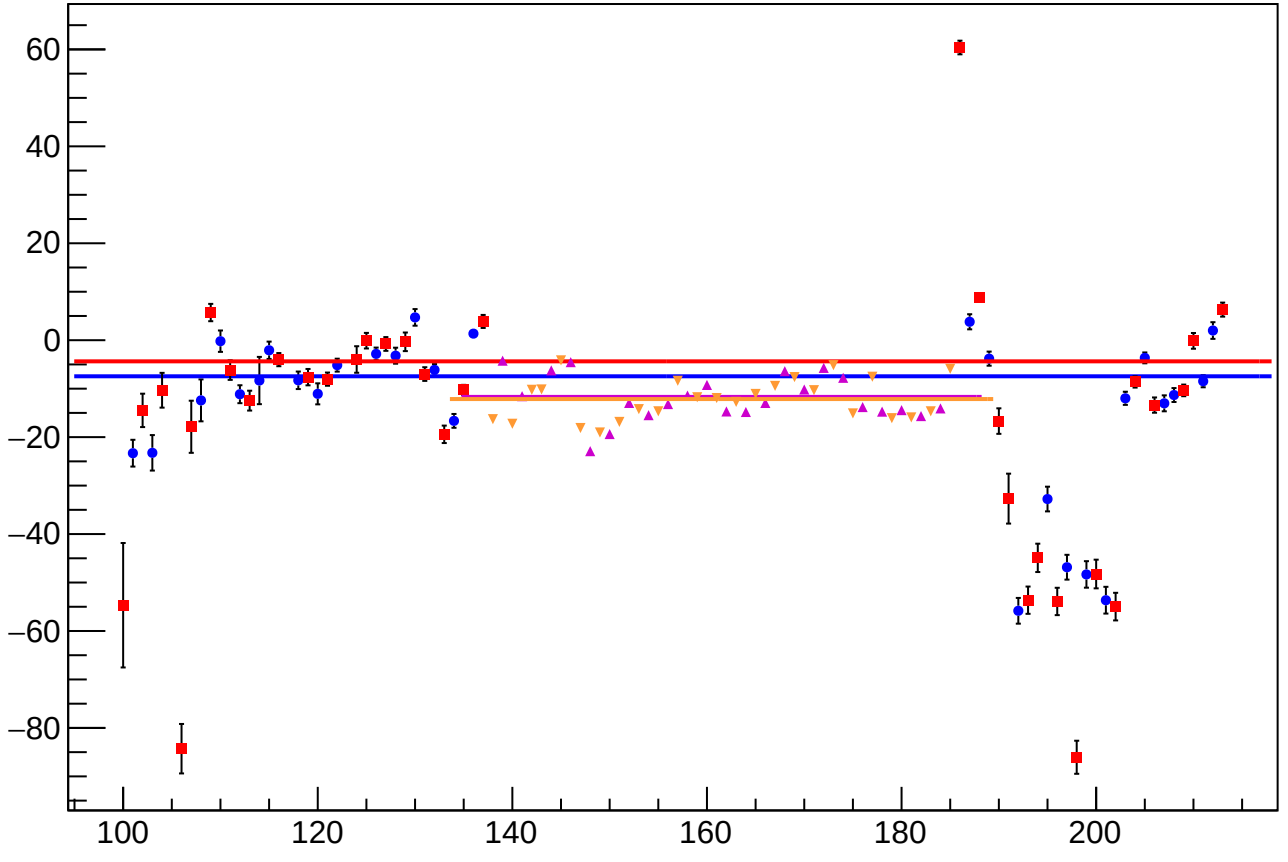
Right: -0.287+/-0.007 χ^2/NDF: 2705.4/62

In: -0.110+/-0.002 χ^2/NDF:1917.4/51

Out: -0.113+/-0.002 χ^2/NDF:2753.8/58

All: -0.111+/-0.002 χ^2/NDF: 4672.4/110

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.447+/-0.293 χ^2/NDF: 1665.4/28

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

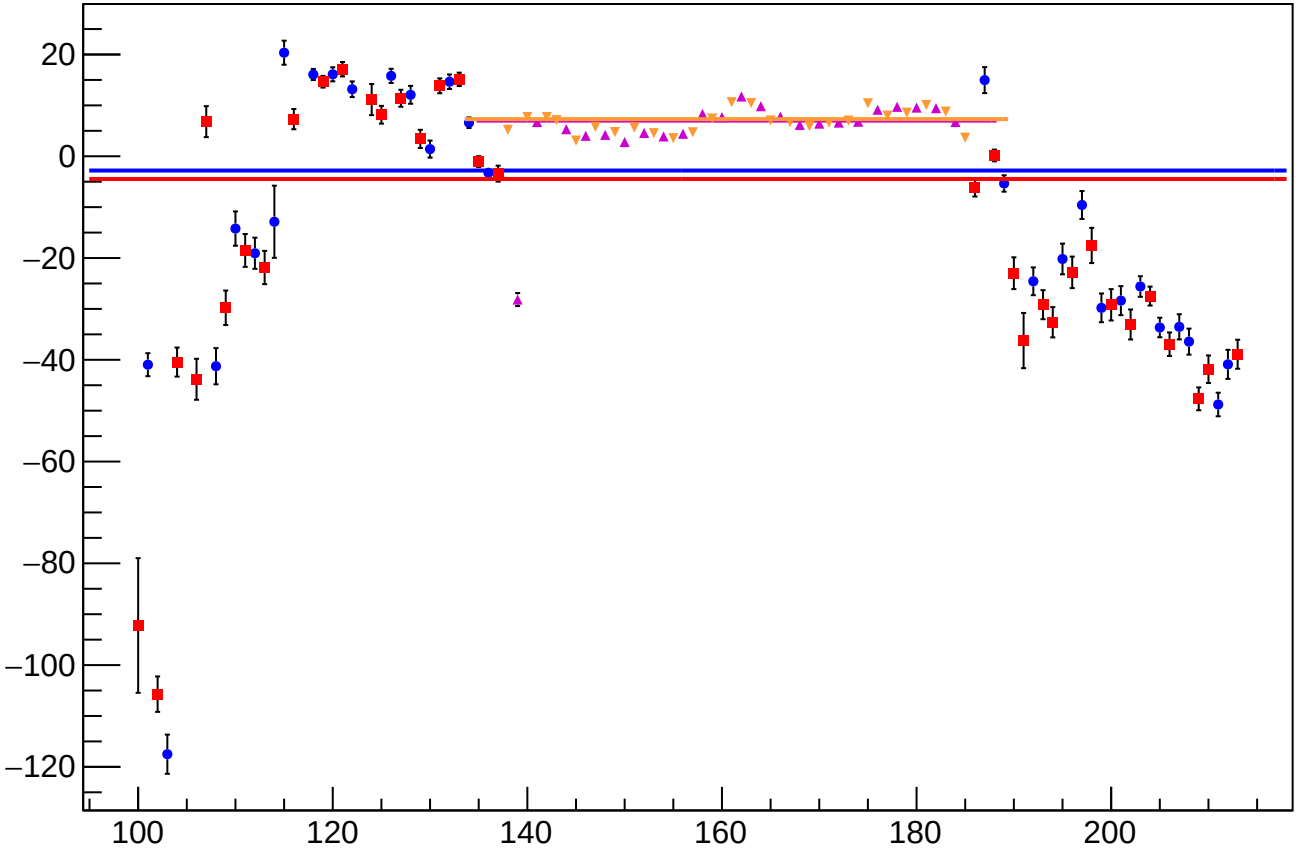
Right: -5.908+/-0.208 χ^2/NDF: 6682.4/62

In: -11.300+/-0.090 χ^2/NDF:3806.9/51

Out: -11.455+/-0.087 χ^2/NDF:7731.5/58

All: -11.379+/-0.063 χ^2/NDF: 11539.9/110

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.802+/-0.332 χ^2/NDF: 4117.7/28

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

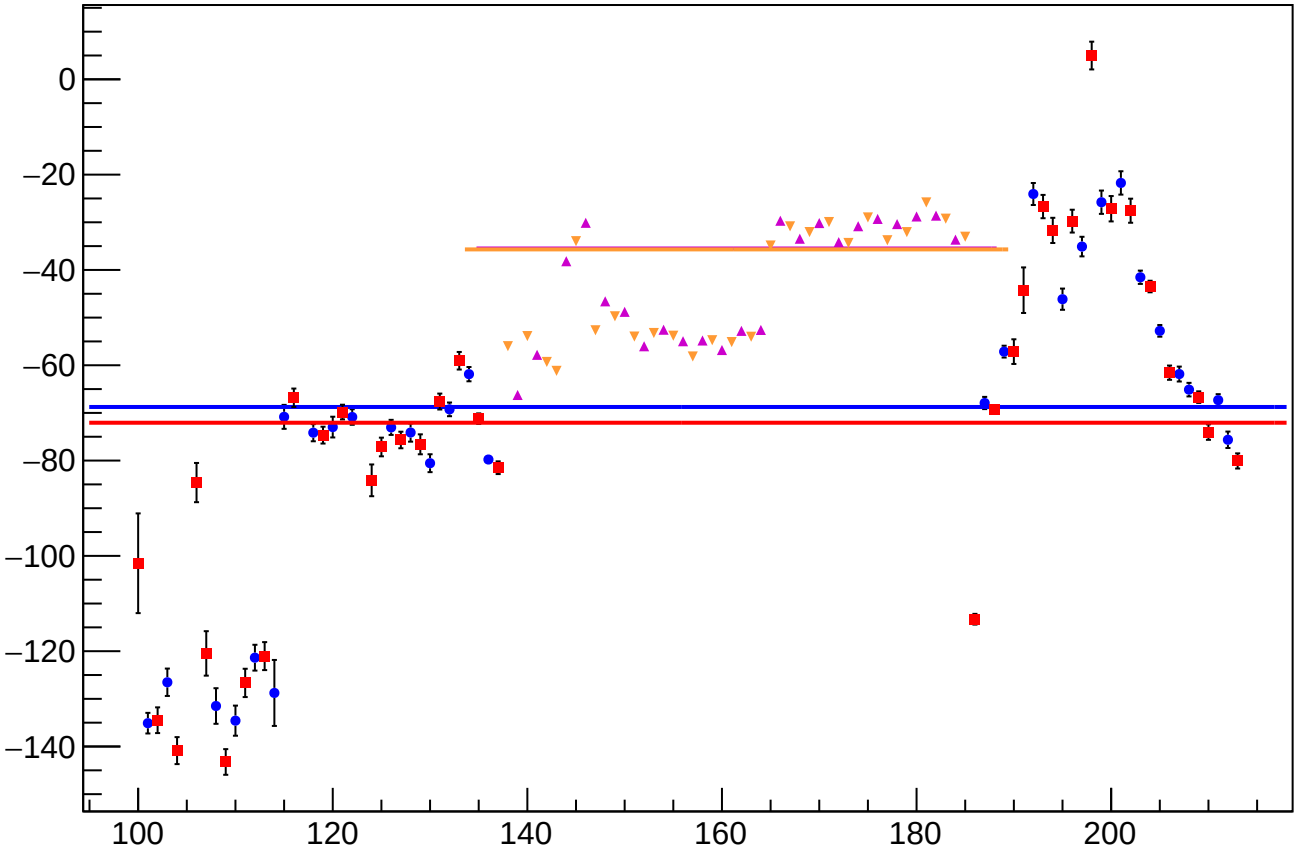
Right: -3.601+/-0.239 χ^2/NDF: 8028.0/62

In: 6.517+/-0.074 χ^2/NDF:6520.5/51

Out: 6.768+/-0.073 χ^2/NDF:5829.3/58

All: 6.644+/-0.052 χ^2/NDF: 12355.7/110

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -68.754+/-0.301 χ^2/NDF: 4971.5/28

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

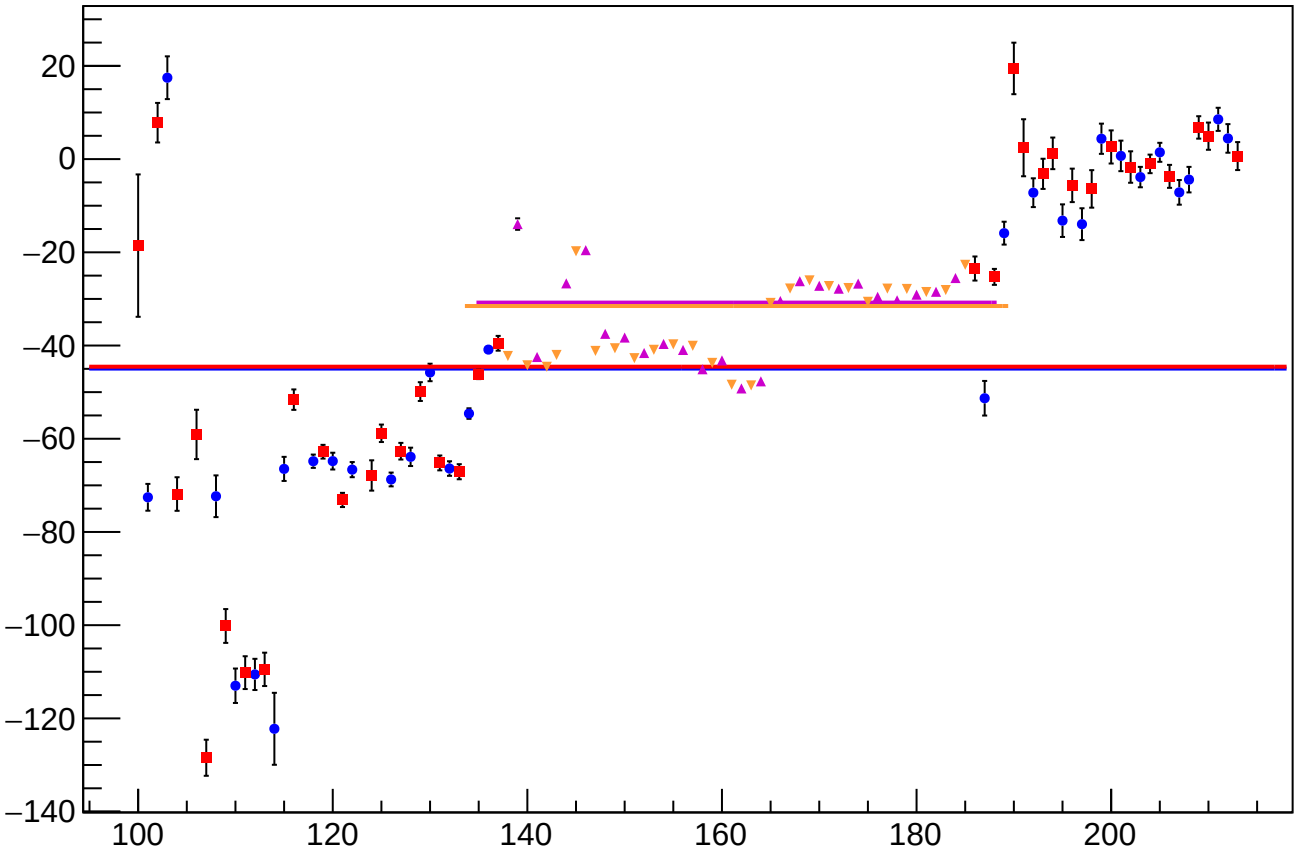
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

Right: -70.438+/-0.211 χ^2/NDF: 12009.1/62

In: -38.483+/-0.090 χ^2/NDF:27234.6/51

Out: -38.916+/-0.088 χ^2/NDF:33545.6/58

All: -38.705+/-0.063 χ^2/NDF: 60792.0/110



Right In: -44.943+/-0.372 χ^2/NDF: 5241.4/28

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

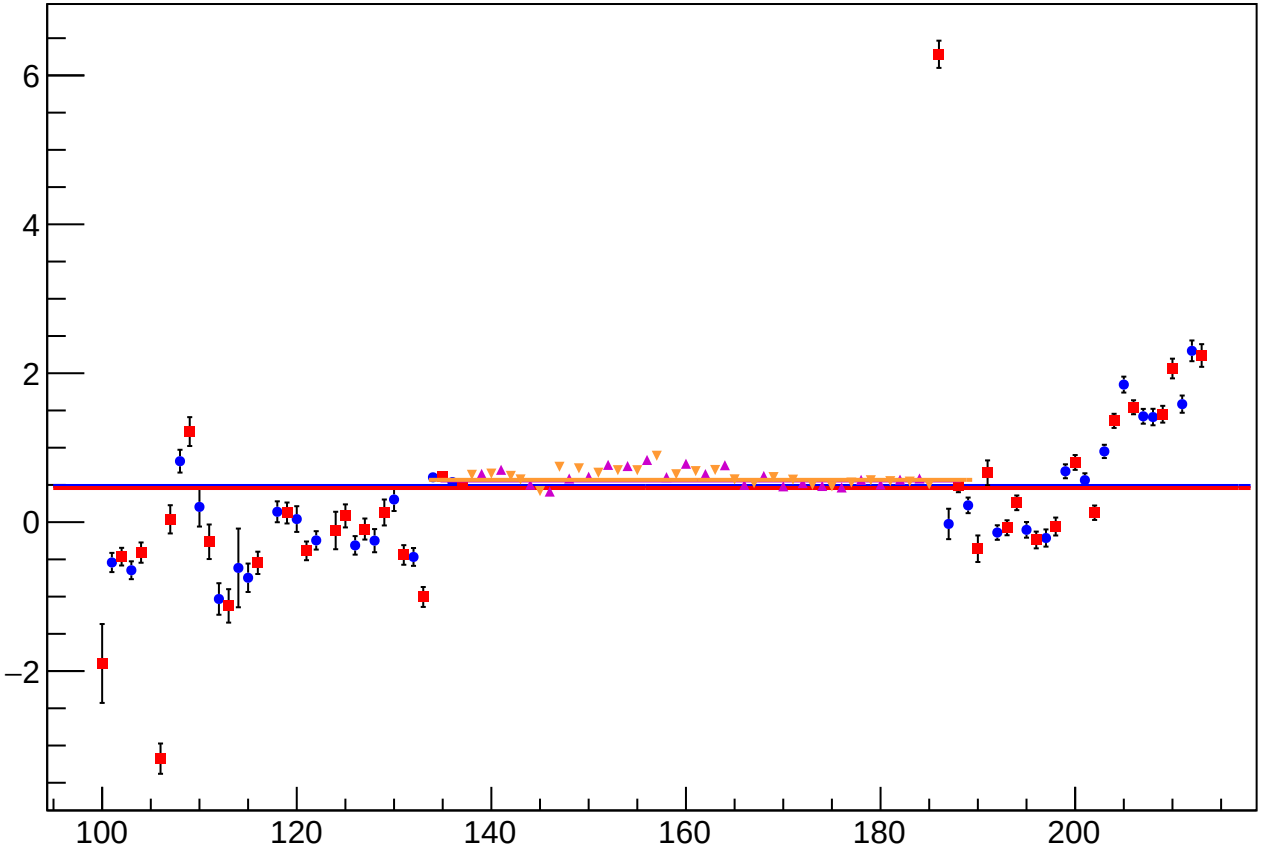
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -44.755+/-0.271 χ^2/NDF: 10949.5/62

In: -31.479+/-0.082 χ^2/NDF:14164.4/51

Out: -32.066+/-0.081 χ^2/NDF:15202.4/58

All: -31.777+/-0.058 χ^2/NDF: 29392.7/110



Right In: 0.486+/-0.018 χ^2/NDF: 1173.5/28

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

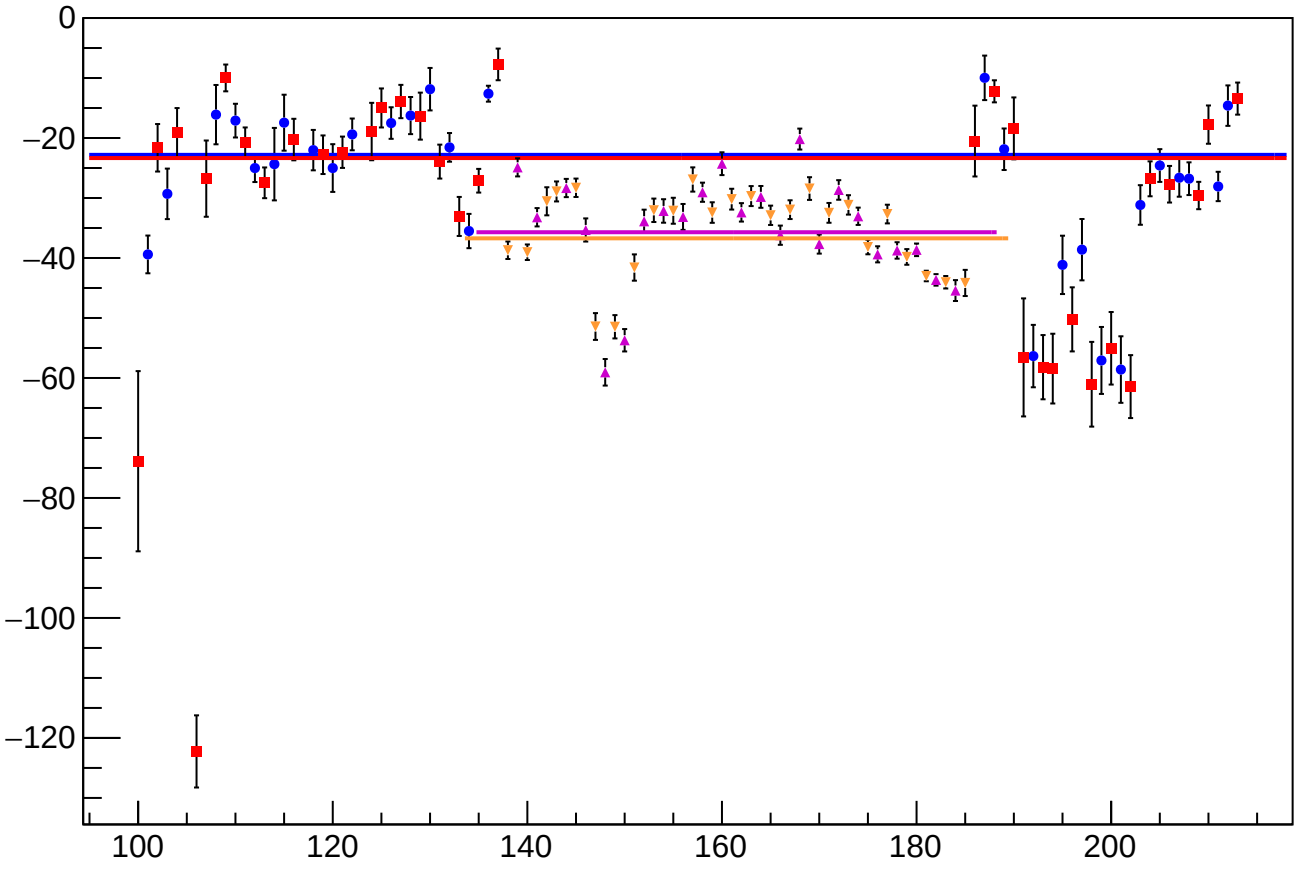
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.473+/-0.013 χ^2/NDF: 3733.1/62

In: 0.557+/-0.004 χ^2/NDF:1861.0/51

Out: 0.564+/-0.004 χ^2/NDF:3143.6/58

All: 0.561+/-0.003 χ^2/NDF: 5006.7/110



Right In: -22.809+/-0.566 χ^2/NDF: 315.4/28

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

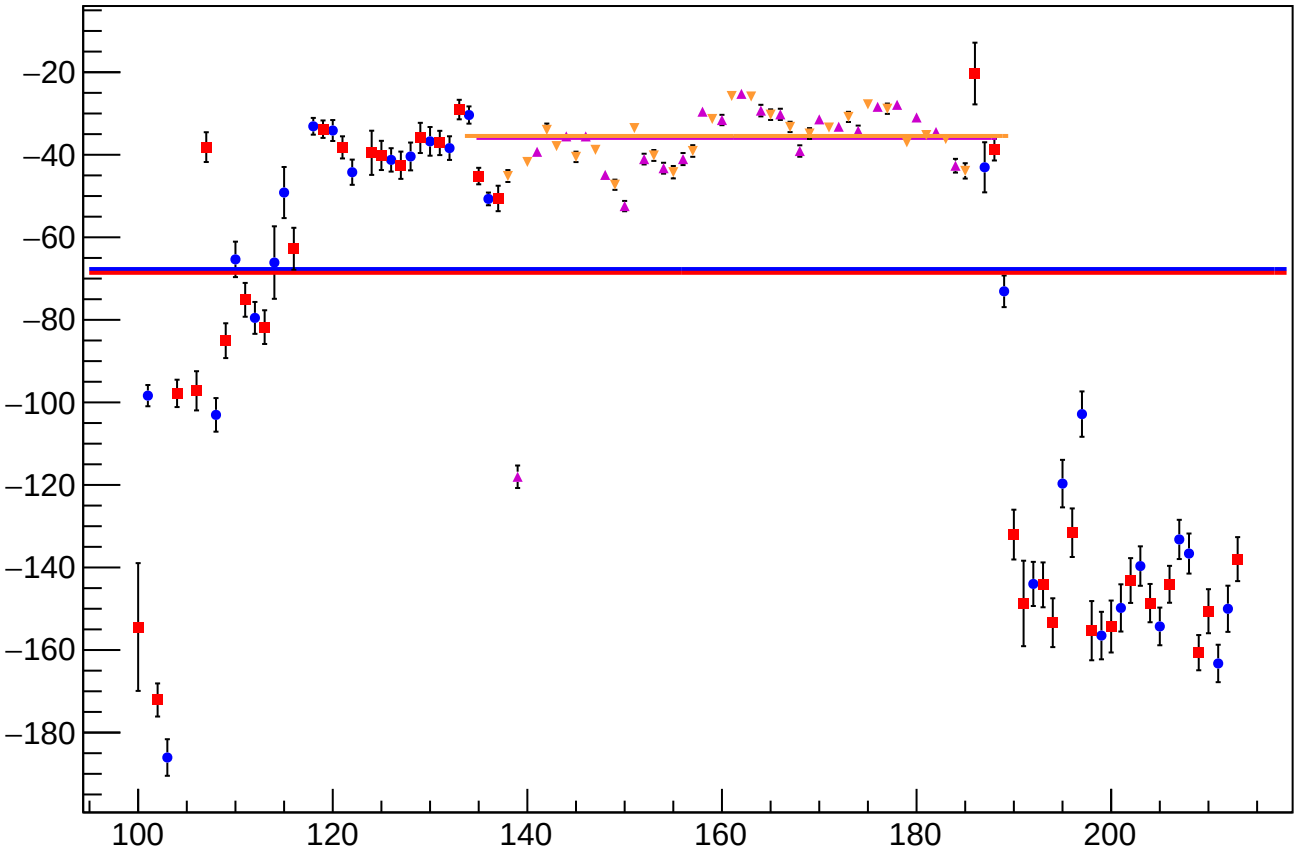
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -23.078+/-0.398 χ^2/NDF: 999.1/62

In: -32.532+/-0.281 χ^2/NDF:1286.0/51

Out: -33.593+/-0.271 χ^2/NDF:1539.4/58

All: -33.080+/-0.195 χ^2/NDF: 2832.7/110



Right In: -67.689+/-0.631 χ^2/NDF: 4678.2/28

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

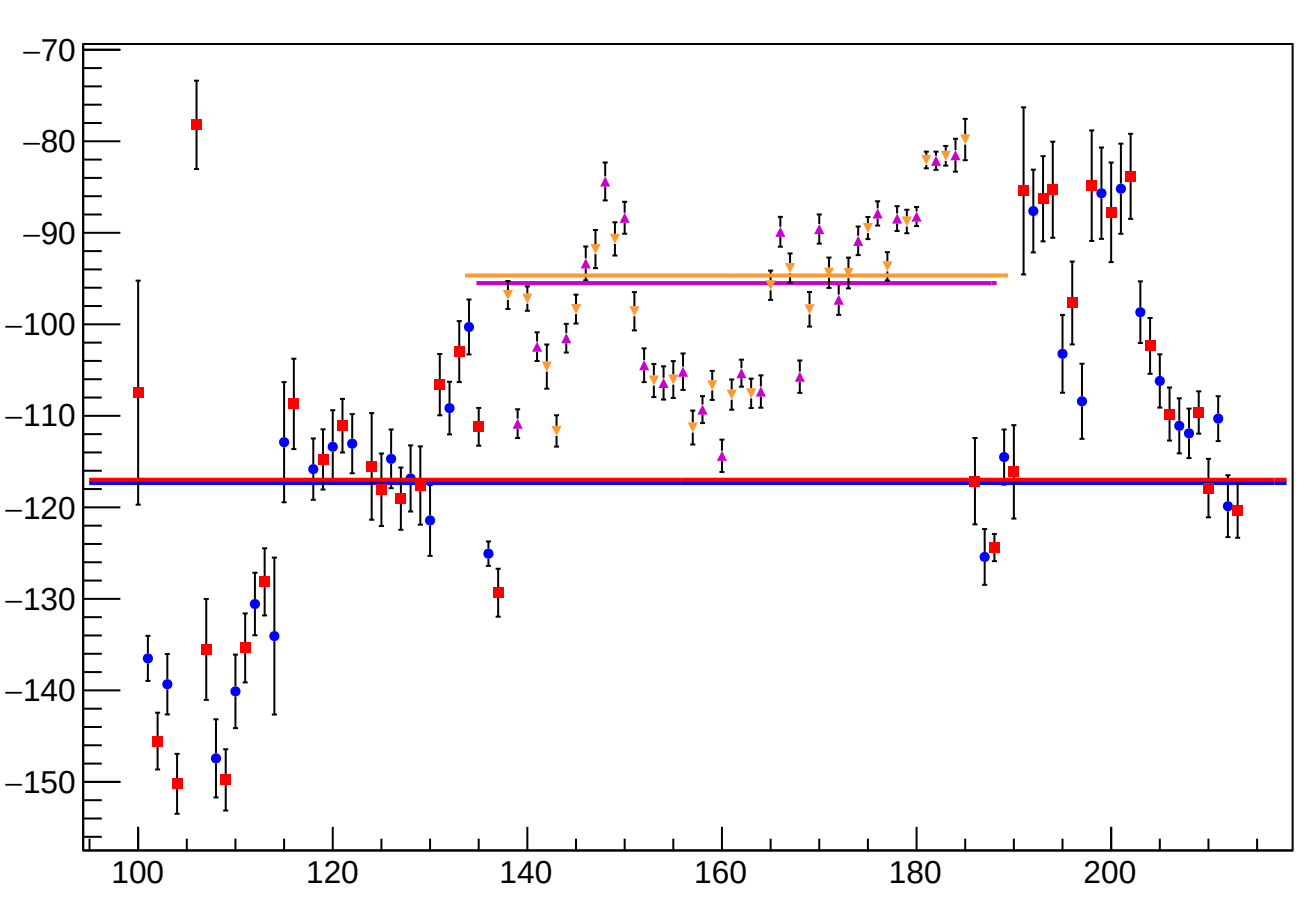
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -68.132+/-0.452 χ^2/NDF: 9619.9/62

In: -40.402+/-0.237 χ^2/NDF:8395.6/51

Out: -39.580+/-0.229 χ^2/NDF:7766.7/58

All: -39.977+/-0.165 χ^2/NDF: 16168.5/110



Right In: -117.335+/-0.582 χ^2/NDF: 496.8/28

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

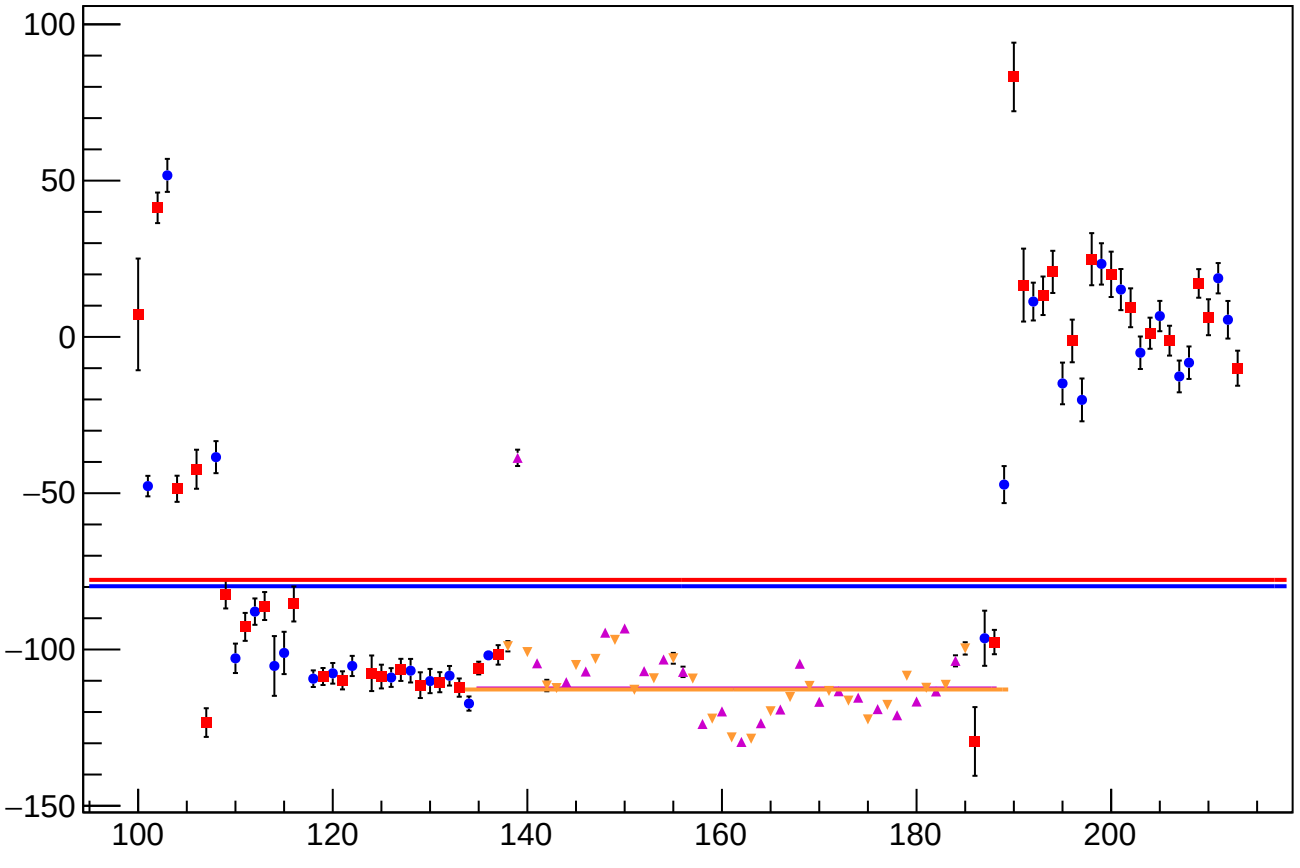
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -117.157+/-0.411 χ^2/NDF: 1239.2/62

In: -100.583+/-0.281 χ^2/NDF:2545.7/51

Out: -99.617+/-0.273 χ^2/NDF:2794.1/58

All: -100.086+/-0.196 χ^2/NDF: 5345.9/110



Right In: -79.759+/-0.712 χ^2/NDF: 4232.4/28

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

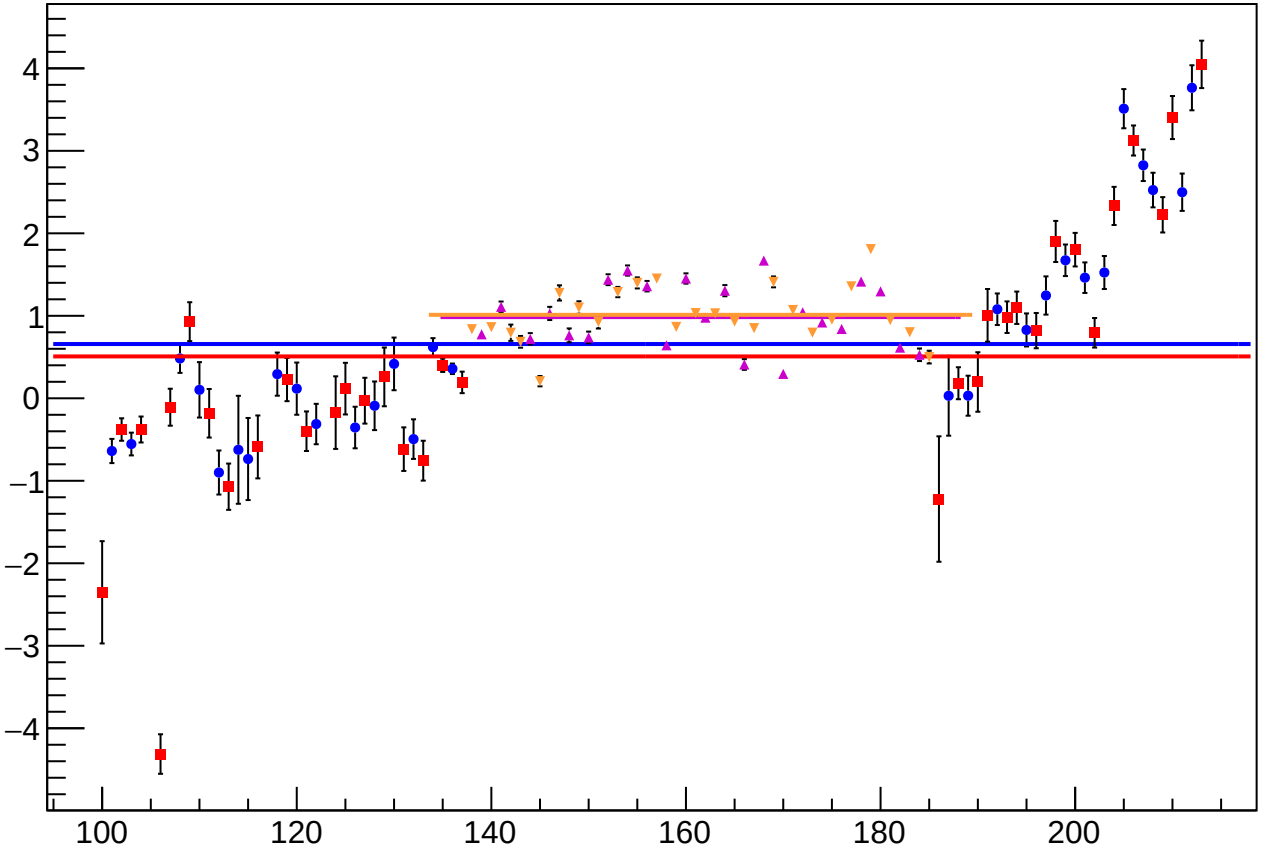
Right: -78.783+/-0.513 χ^2/NDF: 8735.8/62

In: -107.951+/-0.264 χ^2/NDF:7841.1/51

Out: -108.575+/-0.257 χ^2/NDF:7406.2/58

All: -108.272+/-0.184 χ^2/NDF: 15250.2/110

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.658+/-0.034 χ^2/NDF: 928.2/28

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.508+/-0.036 χ^2/NDF: 1343.7/33

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

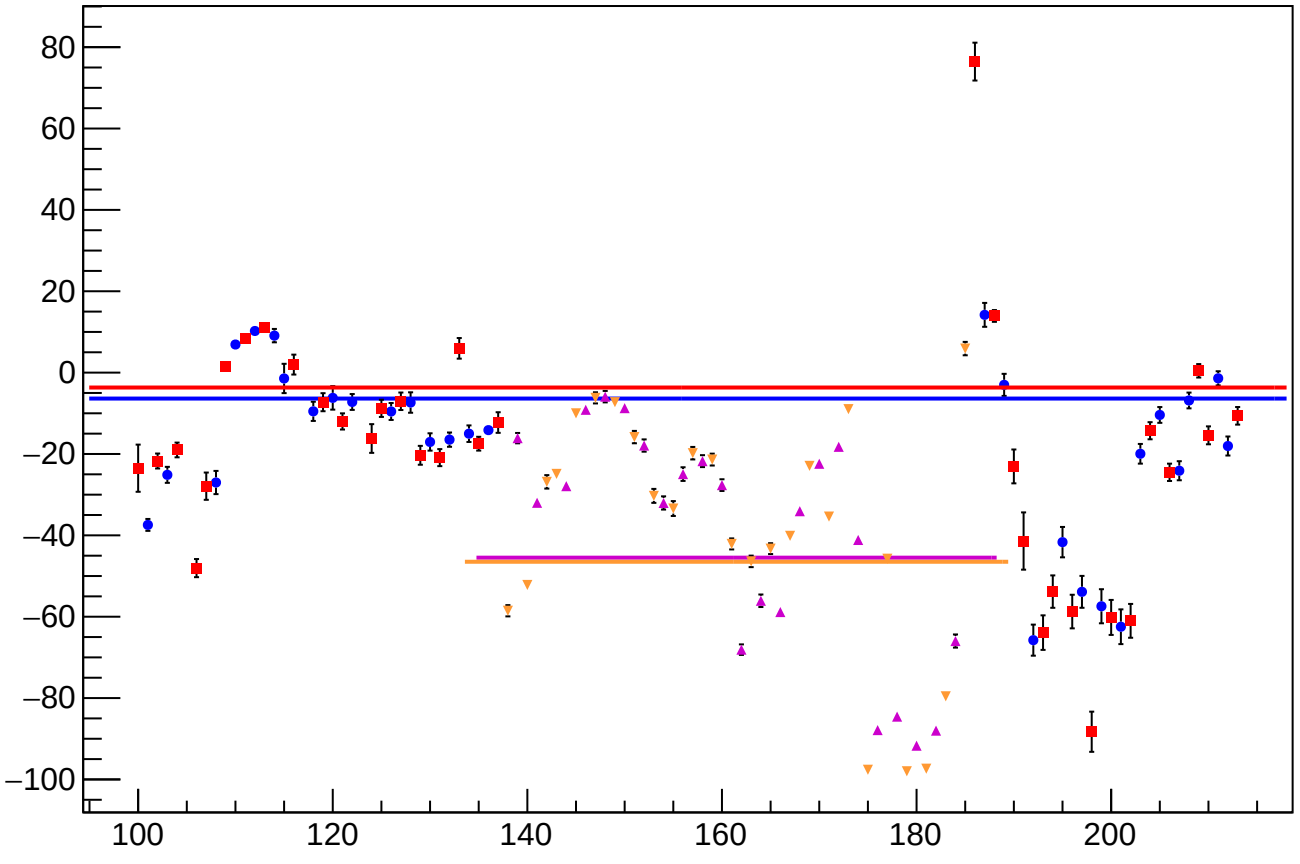
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.586+/-0.025 χ^2/NDF: 2281.1/62

In: 0.945+/-0.012 χ^2/NDF:1909.2/51

Out: 0.959+/-0.012 χ^2/NDF:2213.5/58

All: 0.952+/-0.008 χ^2/NDF: 4123.4/110



Right In: -6.377+/-0.333 χ^2/NDF: 2562.5/28

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

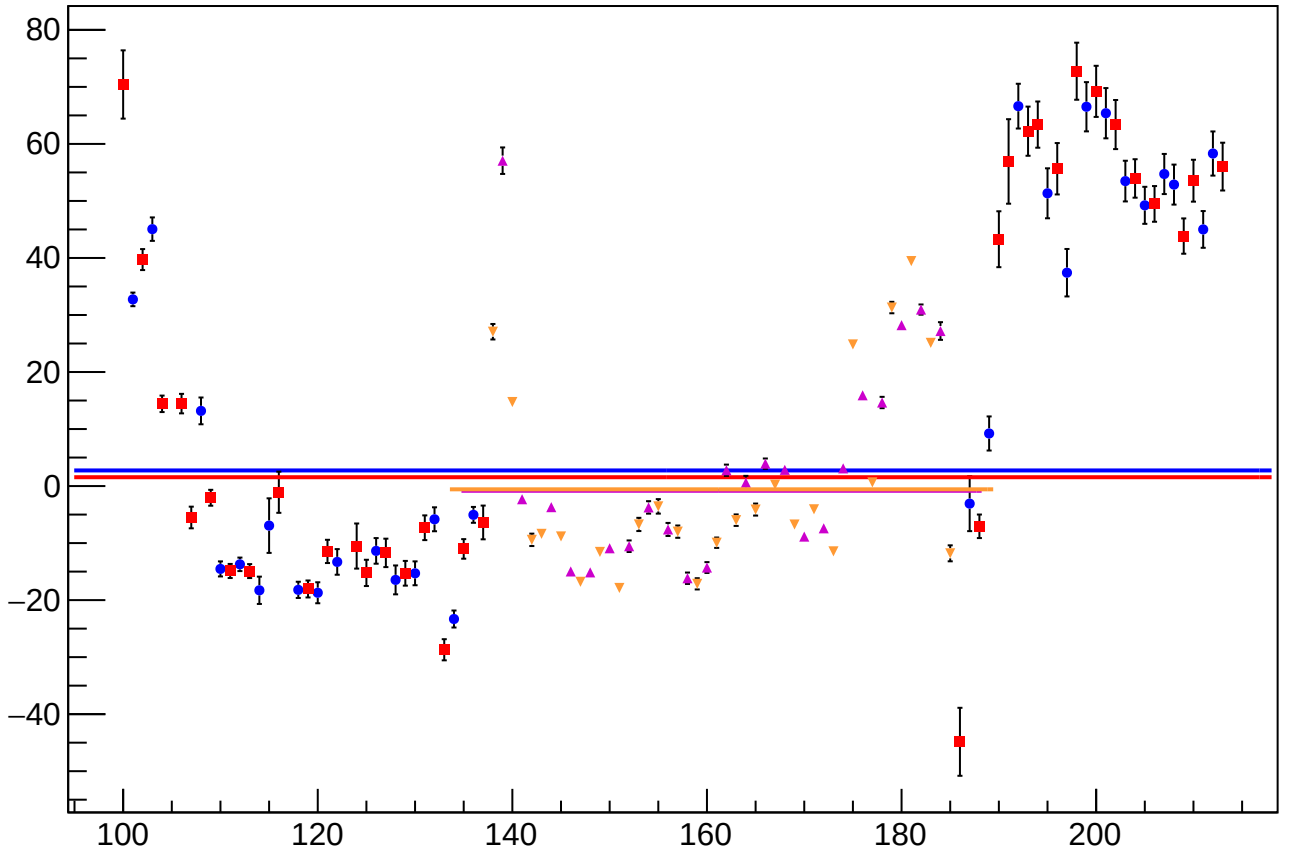
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -4.892+/-0.224 χ^2/NDF: 6018.7/62

In: -32.292+/-0.193 χ^2/NDF:27268.3/51

Out: -30.829+/-0.183 χ^2/NDF:36139.2/58

All: -31.521+/-0.133 χ^2/NDF: 63437.6/110



Right In: 2.741+/-0.398 χ^2/NDF: 4540.2/28

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

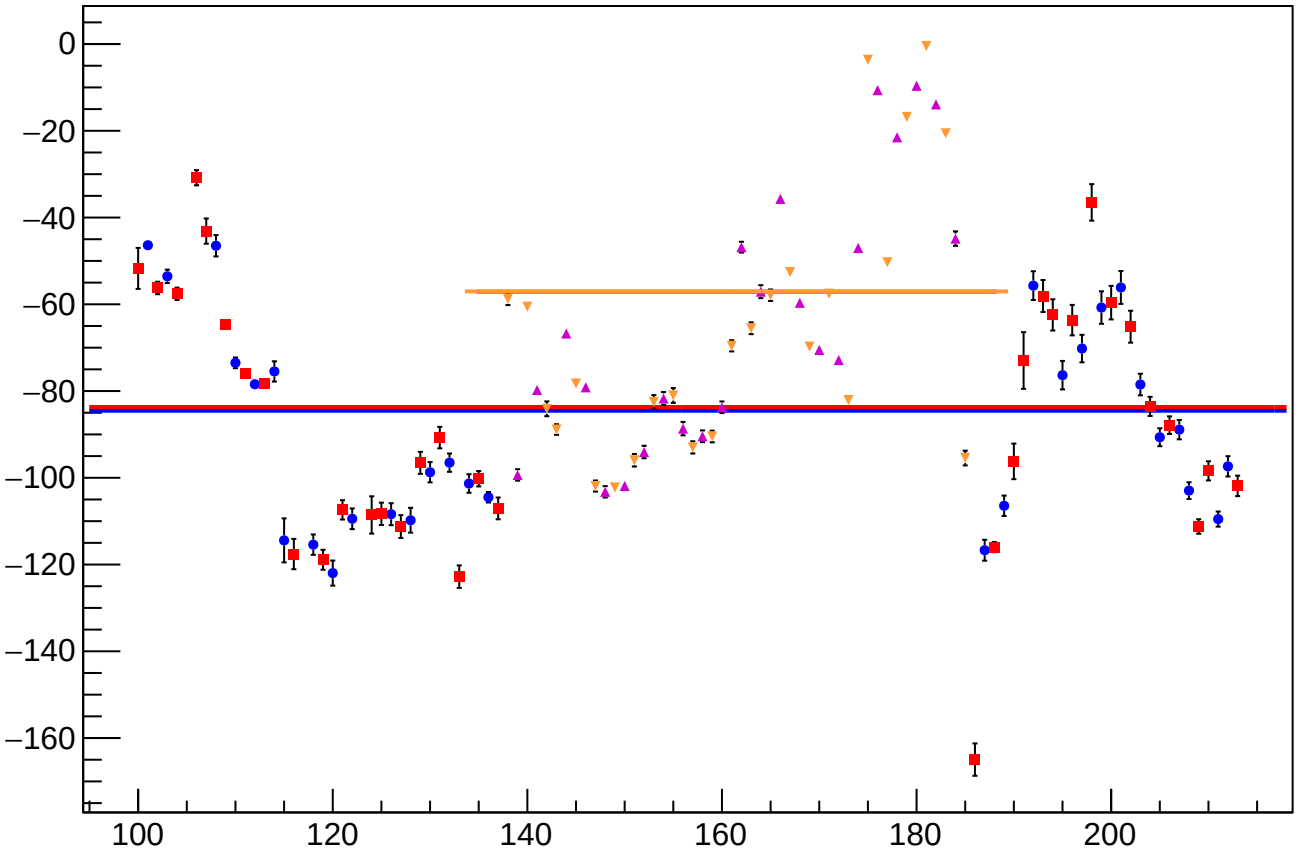
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: 2.130+/-0.277 χ^2/NDF: 8781.7/62

In: -0.204+/-0.166 χ^2/NDF:10723.2/51

Out: -0.204+/-0.161 χ^2/NDF:12713.2/58

All: -0.204+/-0.116 χ^2/NDF: 23436.4/110



Right In: -84.527+/-0.369 χ^2/NDF: 3740.4/28

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

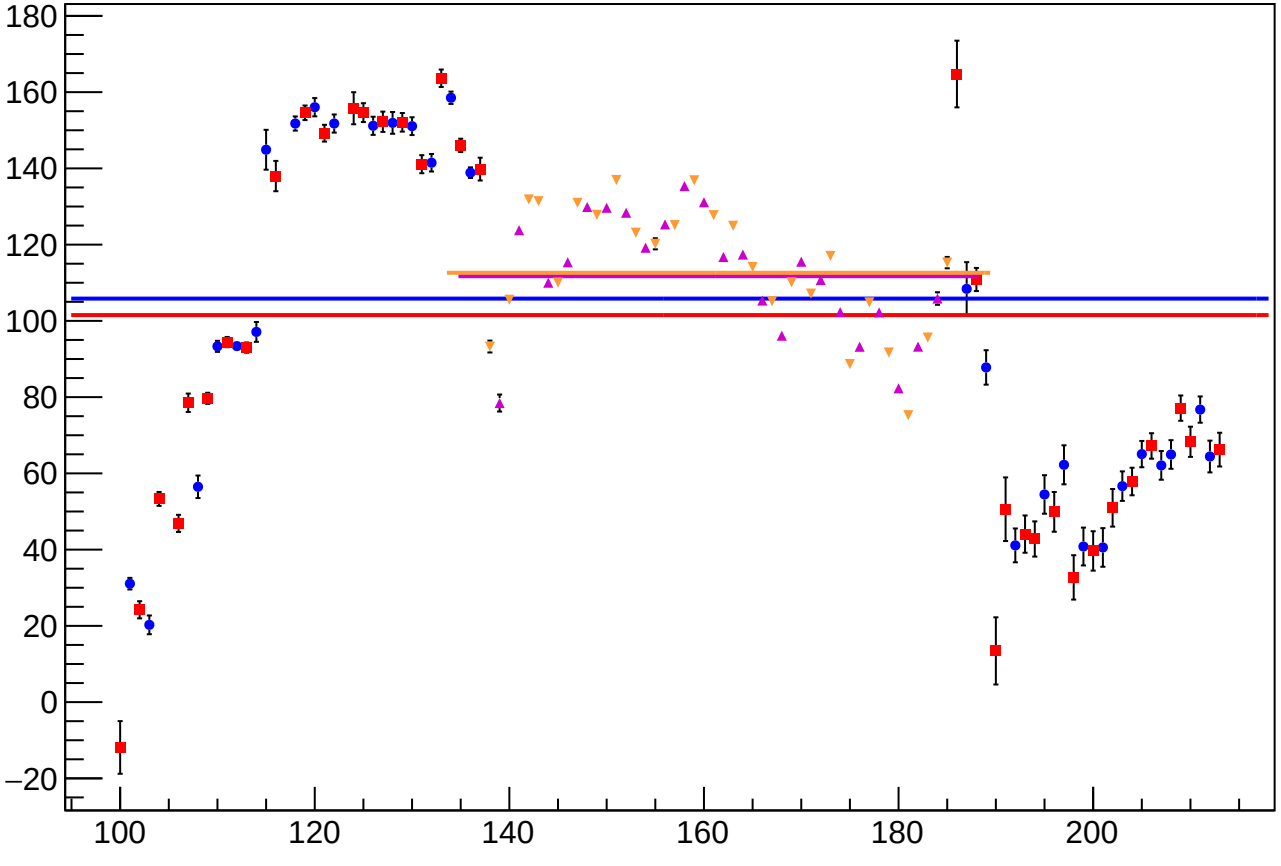
Right: -84.076+/-0.253 χ^2/NDF: 9032.4/62

In: -65.095+/-0.199 χ^2/NDF:24831.3/51

Out: -65.124+/-0.192 χ^2/NDF:29680.2/58

All: -65.110+/-0.138 χ^2/NDF: 54511.5/110

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 105.845+/-0.452 χ^2/NDF: 9894.6/28

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

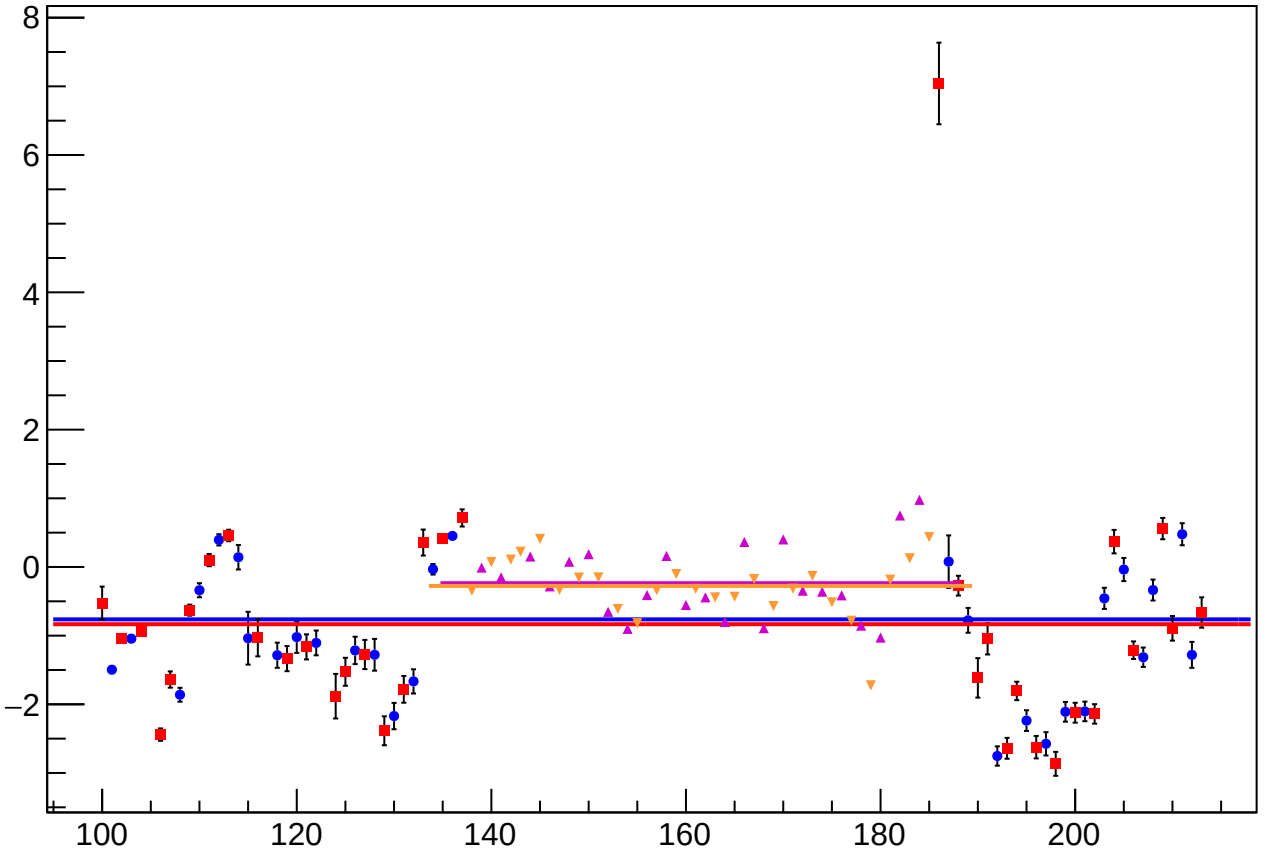
Right: 103.638+/-0.316 χ^2/NDF: 19066.4/62

In: 110.710+/-0.187 χ^2/NDF:14931.2/51

Out: 110.743+/-0.182 χ^2/NDF:16355.7/58

All: 110.727+/-0.131 χ^2/NDF: 31286.9/110

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.763+/-0.022 χ^2/NDF: 1857.3/28

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.834+/-0.022 χ^2/NDF: 2317.4/33

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

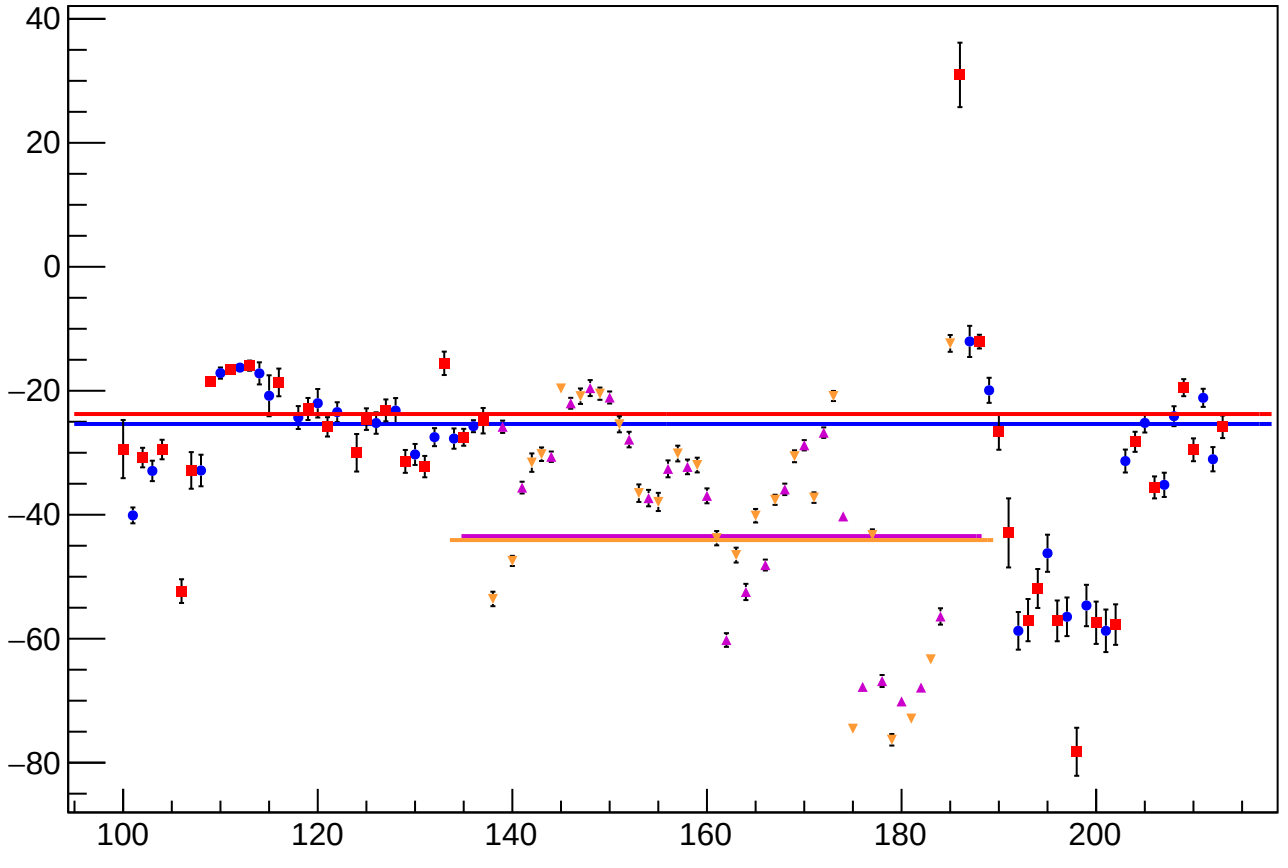
Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

Right: -0.799+/-0.016 χ^2/NDF: 4179.9/62

In: -0.313+/-0.008 χ^2/NDF:5293.9/51

Out: -0.357+/-0.008 χ^2/NDF:5001.6/58

All: -0.335+/-0.006 χ^2/NDF: 10309.5/110



Right In: -25.358+/-0.298 χ^2/NDF: 960.4/28

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

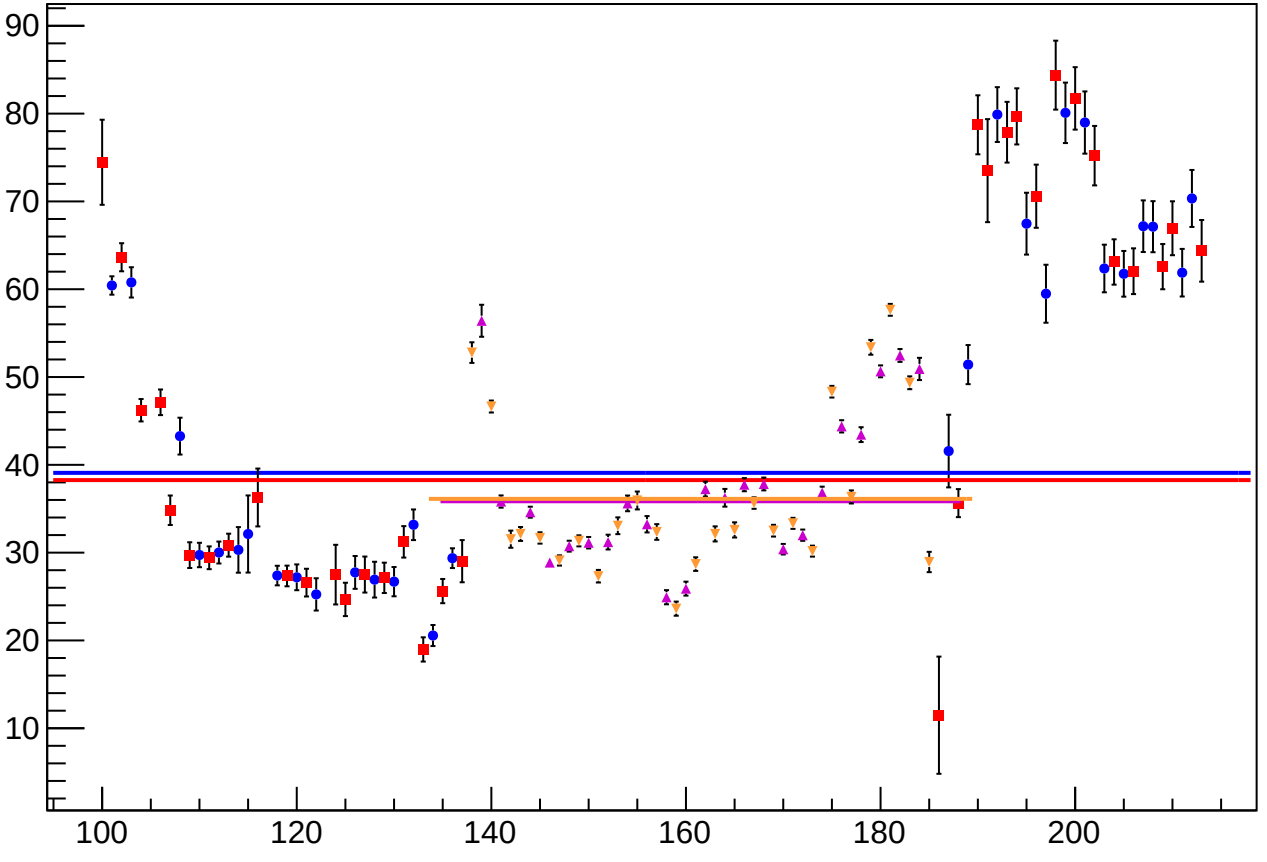
Right: -24.497+/-0.203 χ^2/NDF: 2534.6/62

In: -37.887+/-0.165 χ^2/NDF:11326.2/51

Out: -37.451+/-0.158 χ^2/NDF:15520.7/58

All: -37.660+/-0.114 χ^2/NDF: 26850.5/110

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 39.087+/-0.342 χ^2/NDF: 2445.6/28

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

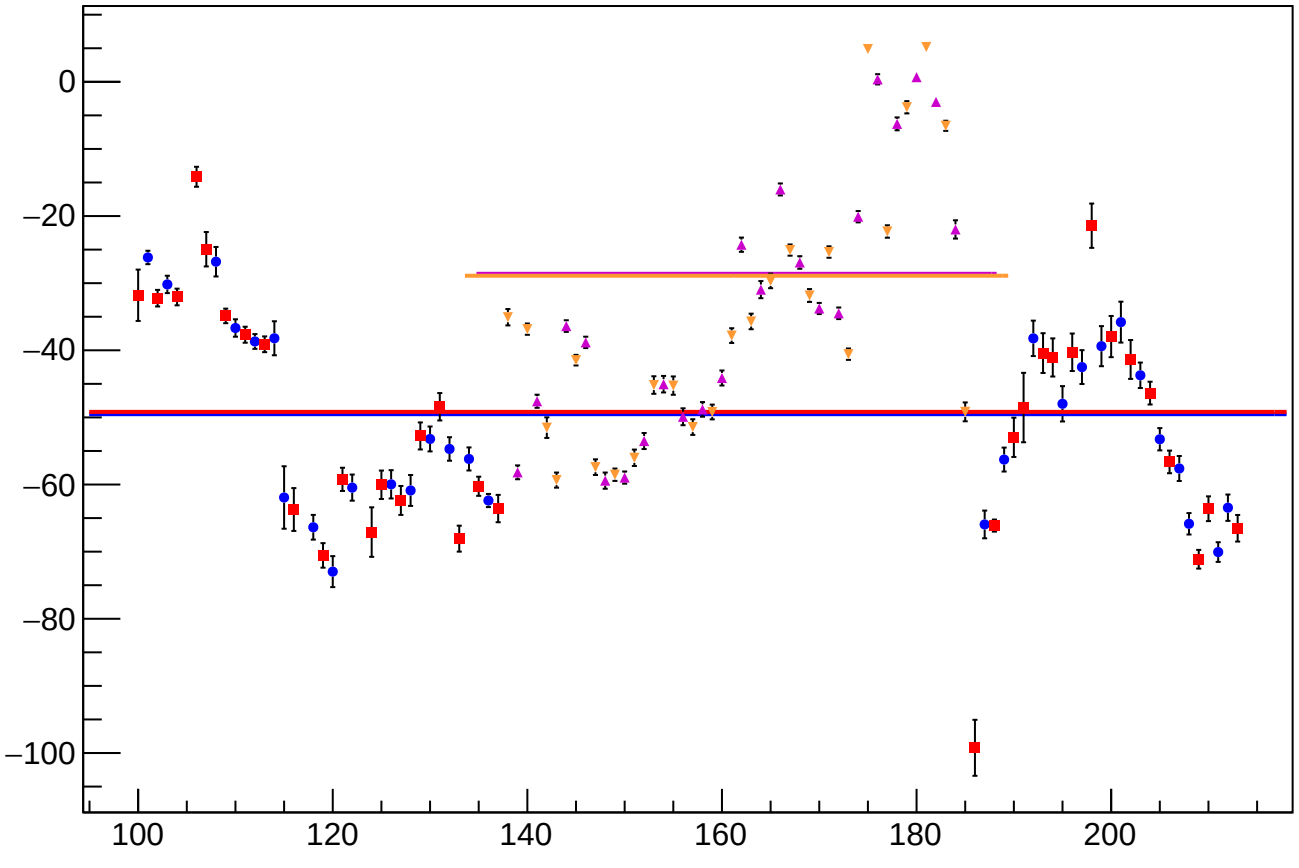
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 38.667+/-0.240 χ^2/NDF: 4923.6/62

In: 36.403+/-0.141 χ^2/NDF:4813.4/51

Out: 36.479+/-0.137 χ^2/NDF:6067.4/58

All: 36.442+/-0.098 χ^2/NDF: 10880.9/110



Right In: -49.518+/-0.319 χ^2/NDF: 2084.6/28

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

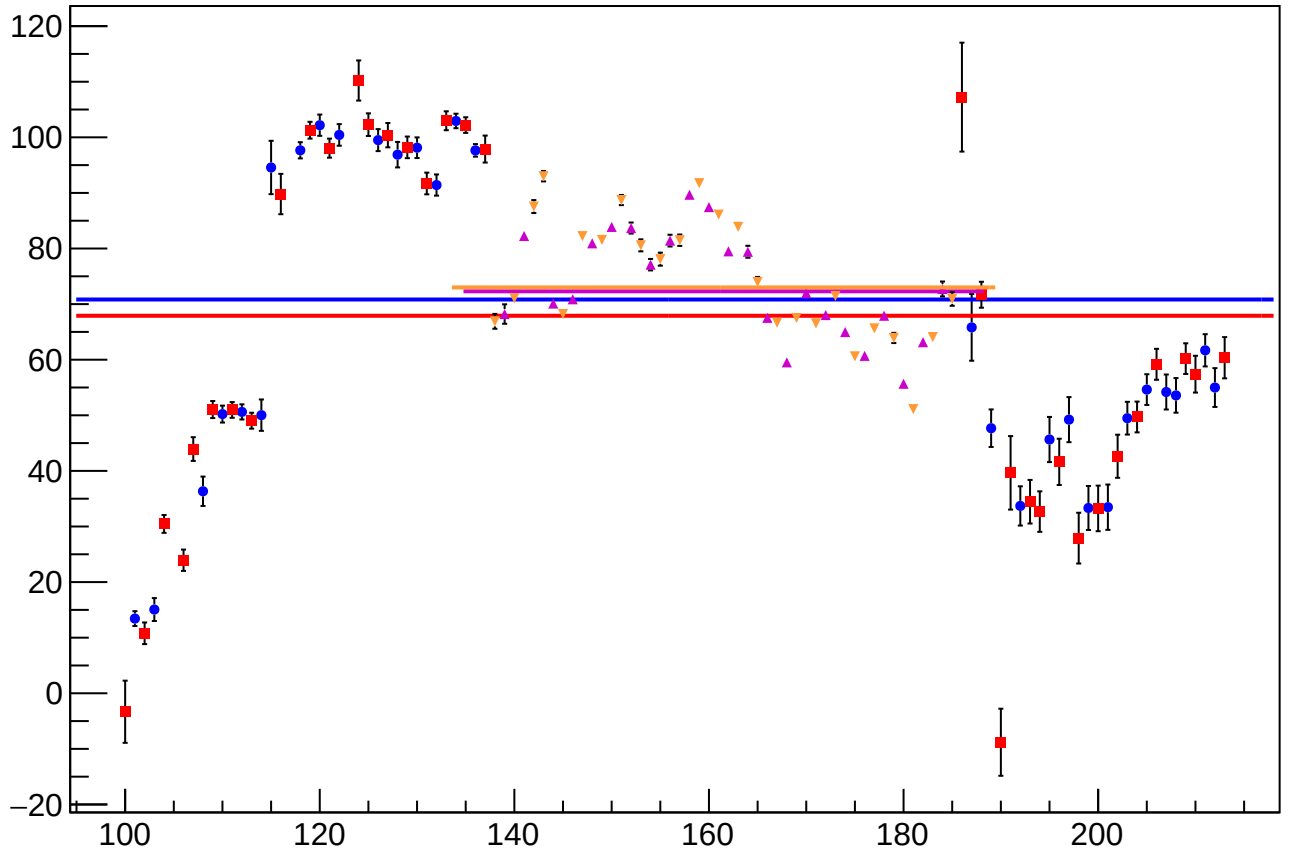
Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

Right: -49.338+/-0.220 χ^2/NDF: 4982.8/62

In: -34.418+/-0.168 χ^2/NDF:15207.8/51

Out: -34.731+/-0.163 χ^2/NDF:17884.0/58

All: -34.580+/-0.117 χ^2/NDF: 33093.6/110



Right In: 70.829+/-0.390 χ^2/NDF: 6500.7/28

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

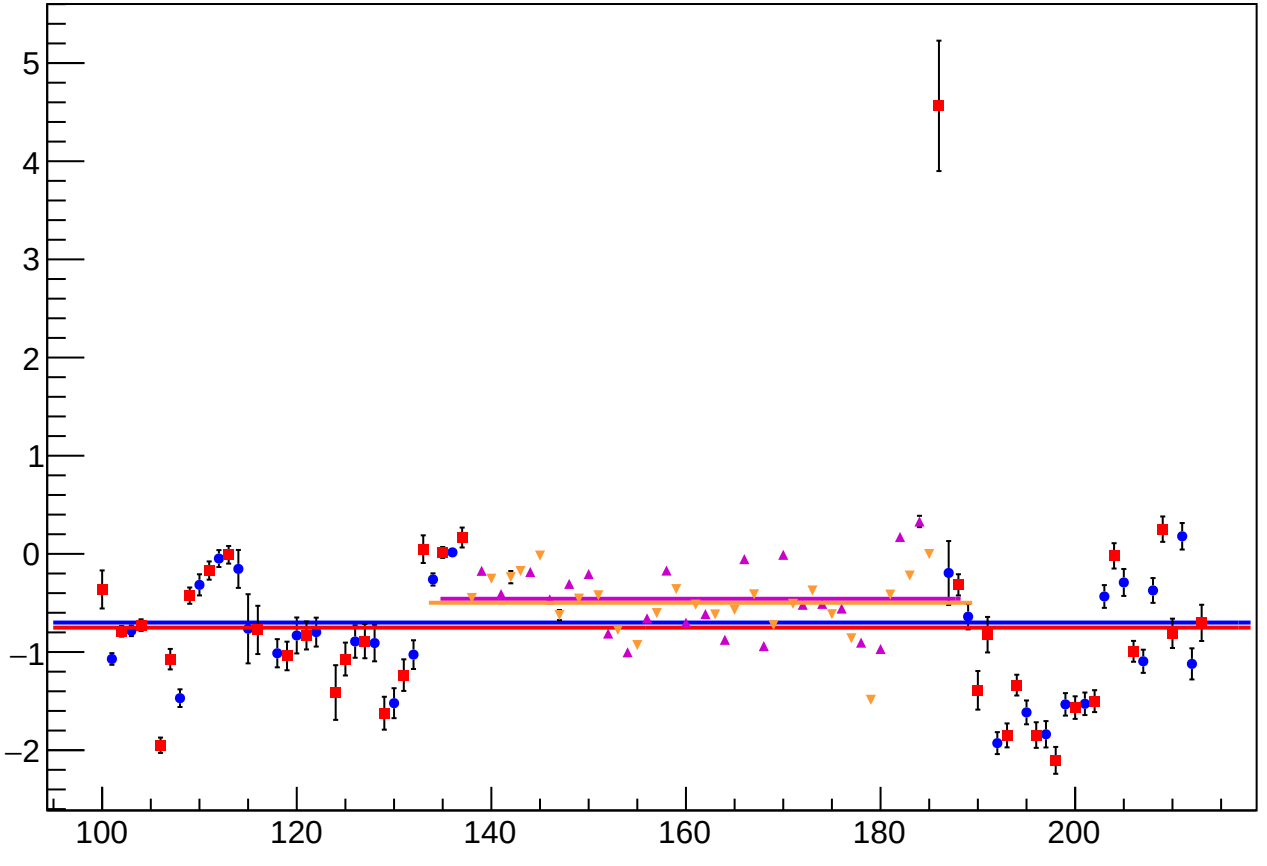
Right: 69.352+/-0.275 χ^2/NDF: 12897.9/62

In: 72.059+/-0.158 χ^2/NDF:9425.2/51

Out: 72.188+/-0.154 χ^2/NDF:10567.5/58

All: 72.125+/-0.111 χ^2/NDF: 19993.0/110

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.700+/-0.019 χ^2/NDF: 969.5/28

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

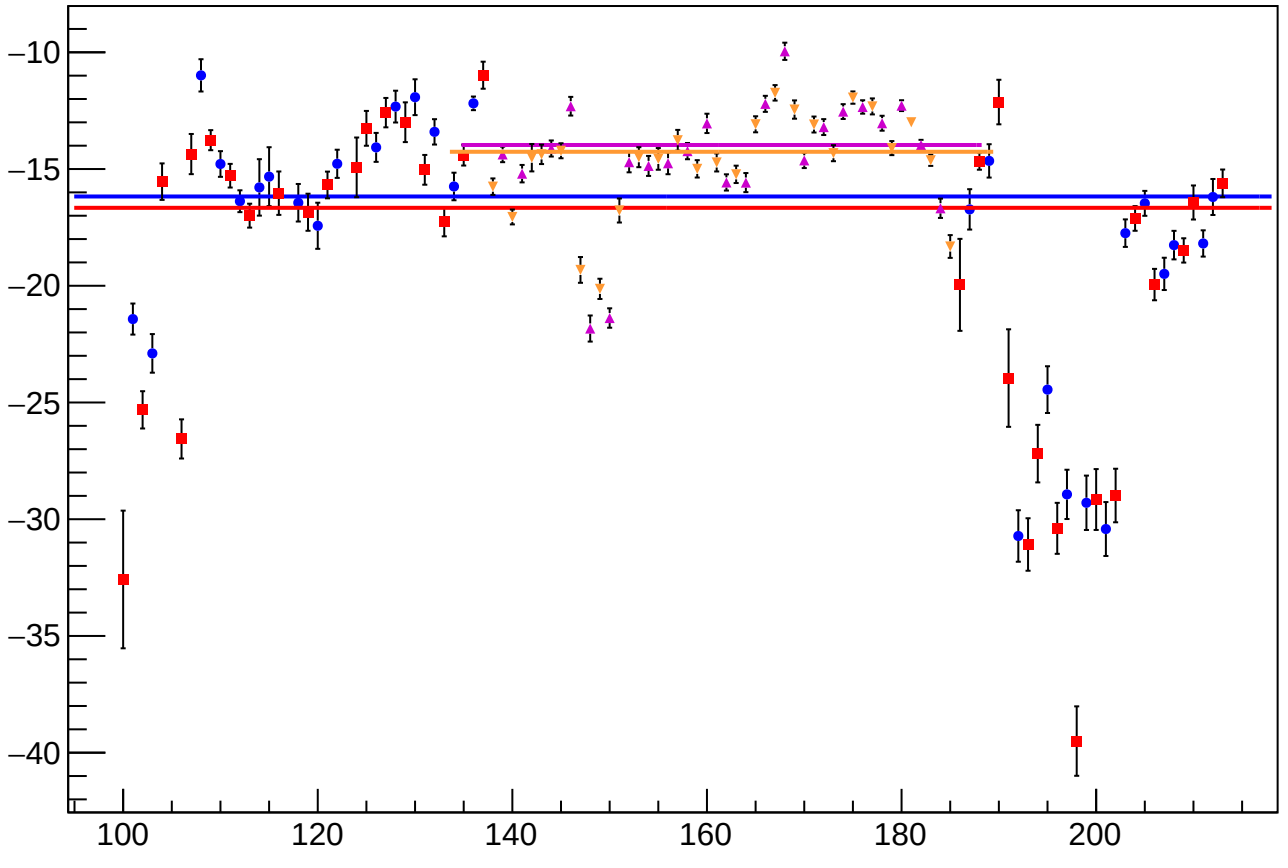
Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

Right: -0.726+/-0.013 χ^2/NDF: 2263.6/62

In: -0.492+/-0.007 χ^2/NDF:3213.6/51

Out: -0.534+/-0.007 χ^2/NDF:2932.2/58

All: -0.513+/-0.005 χ^2/NDF: 6163.4/110



Right In: -16.176+/-0.121 χ^2/NDF: 1213.6/28

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

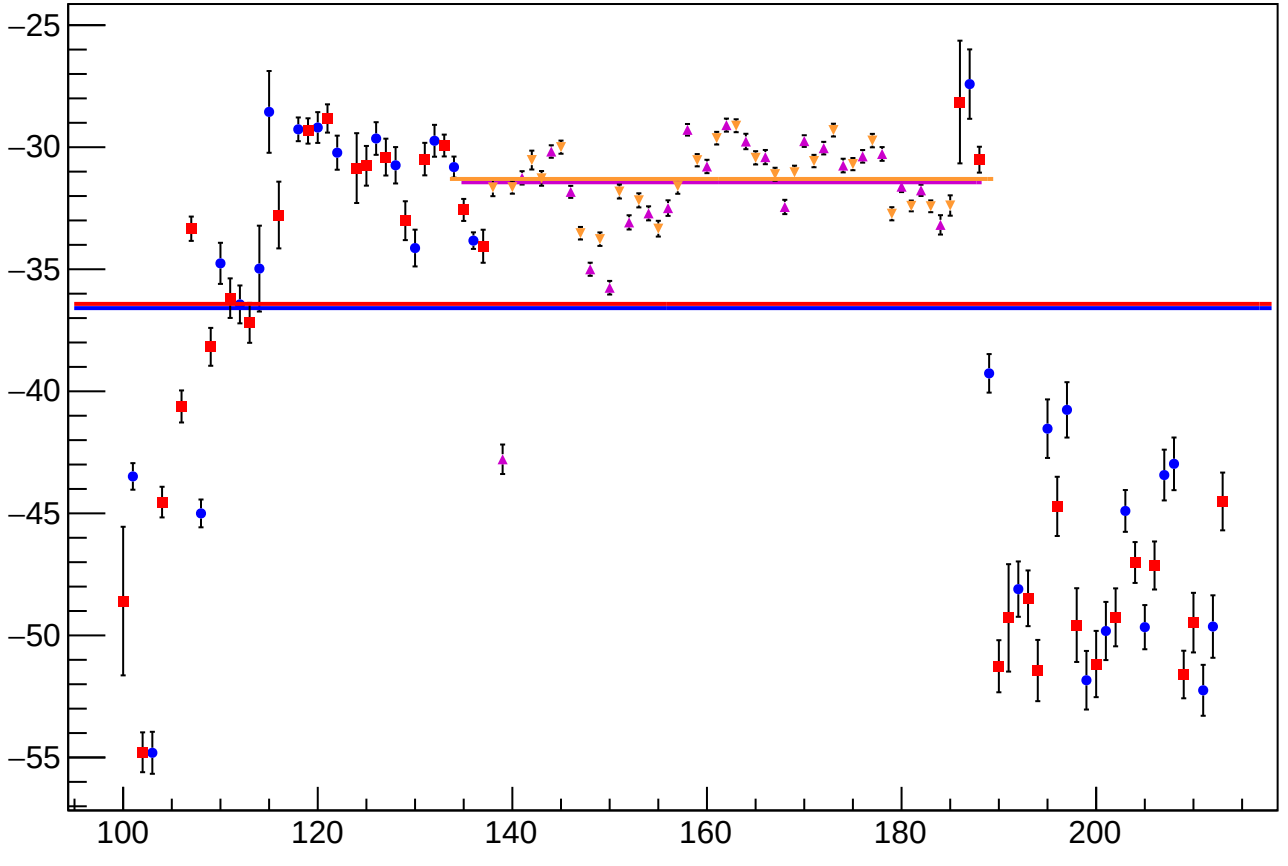
Right: -16.425+/-0.085 χ^2/NDF: 2732.2/62

In: -14.545+/-0.062 χ^2/NDF:2366.8/51

Out: -14.881+/-0.060 χ^2/NDF:2541.0/58

All: -14.718+/-0.043 χ^2/NDF: 4923.0/110

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -36.593+/-0.136 χ^2/NDF: 3021.3/28

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

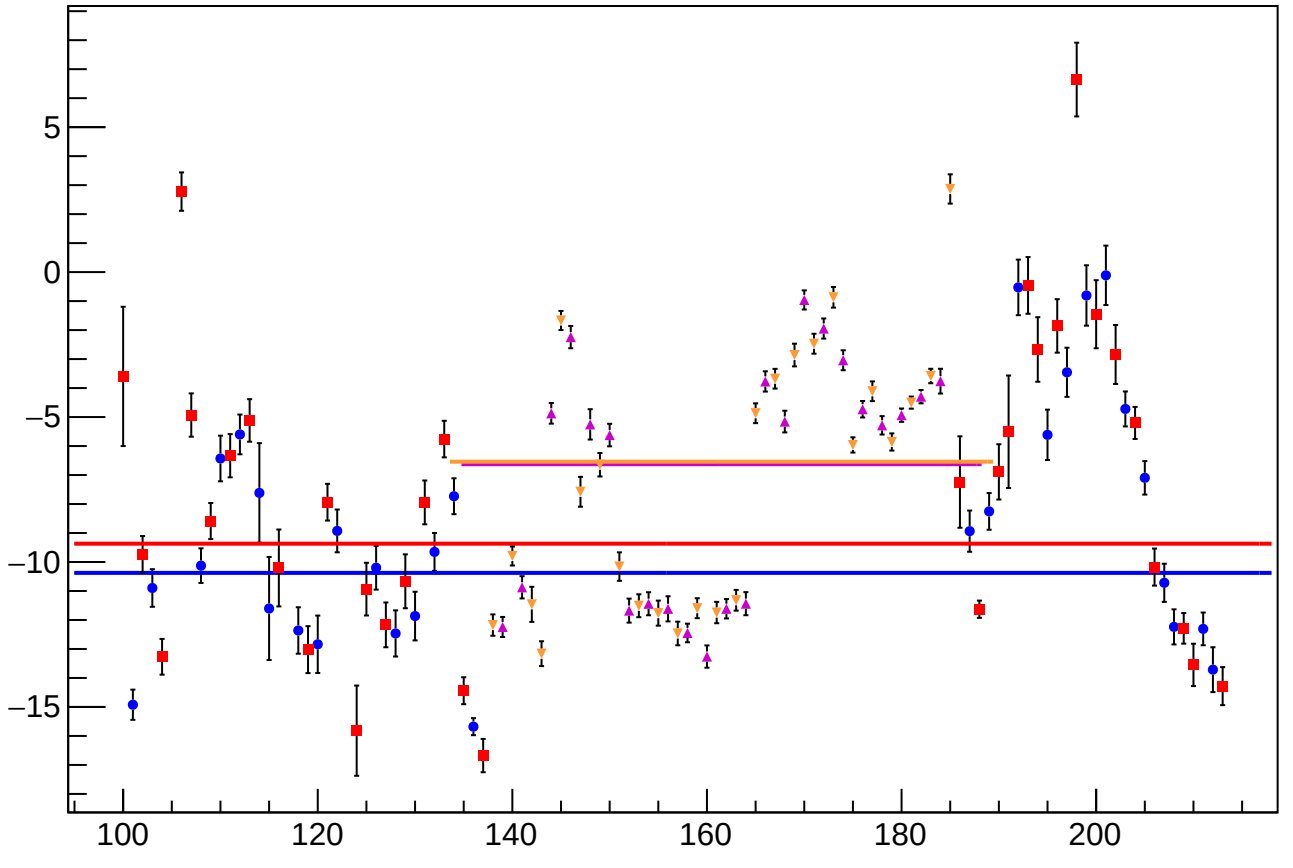
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

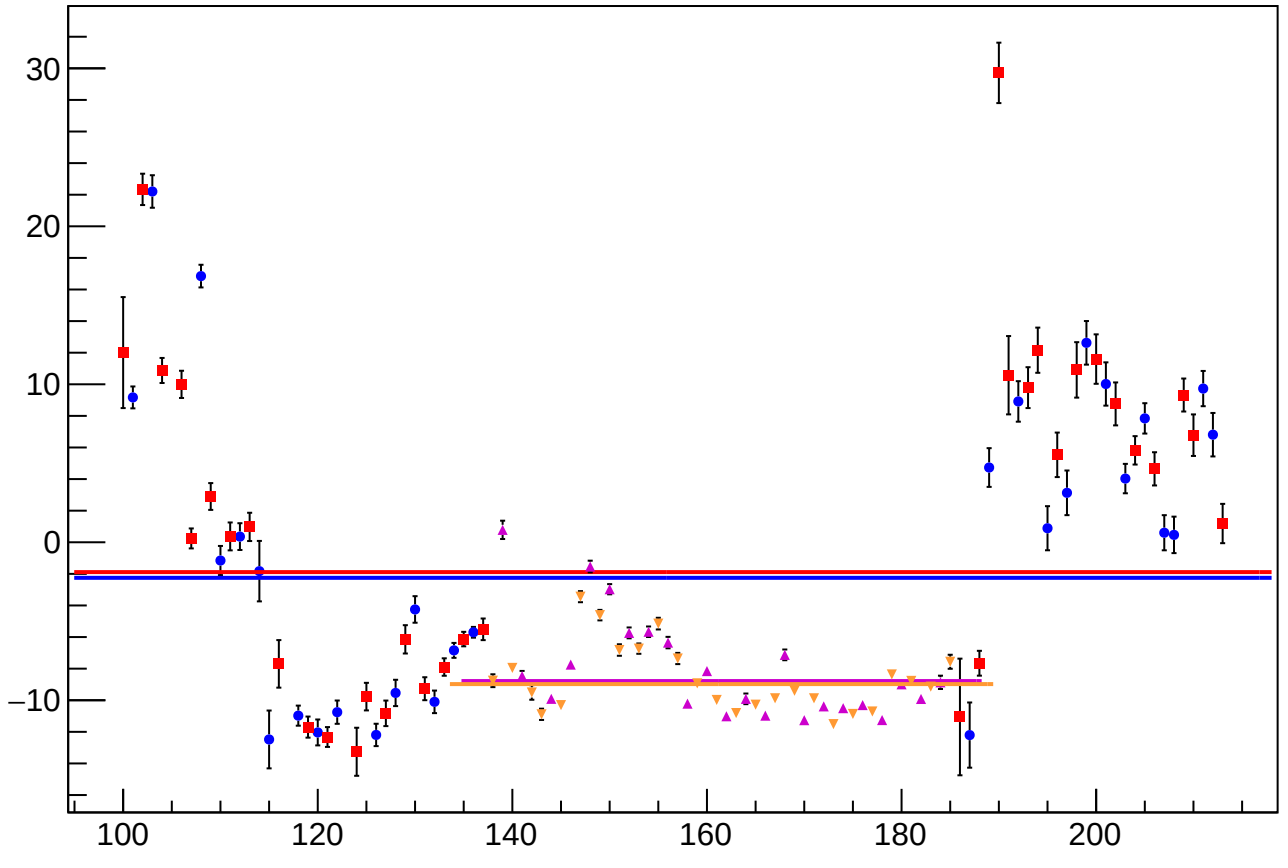
Right: -36.505+/-0.095 χ^2/NDF: 6340.9/62

In: -32.215+/-0.053 χ^2/NDF:5459.8/51

Out: -32.042+/-0.051 χ^2/NDF:5116.5/58

All: -32.126+/-0.037 χ^2/NDF: 10581.8/110


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: -10.376+/-0.124 χ²/NDF: 1088.7/28
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: -9.857+/-0.087 χ²/NDF: 2649.7/62
In: -7.557+/-0.062 χ²/NDF:4681.4/51
Out: -7.244+/-0.060 χ²/NDF:5181.8/58
All: -7.396+/-0.043 χ²/NDF: 9876.3/110



Right In: -2.250+/-0.153 χ^2/NDF: 3322.8/28

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

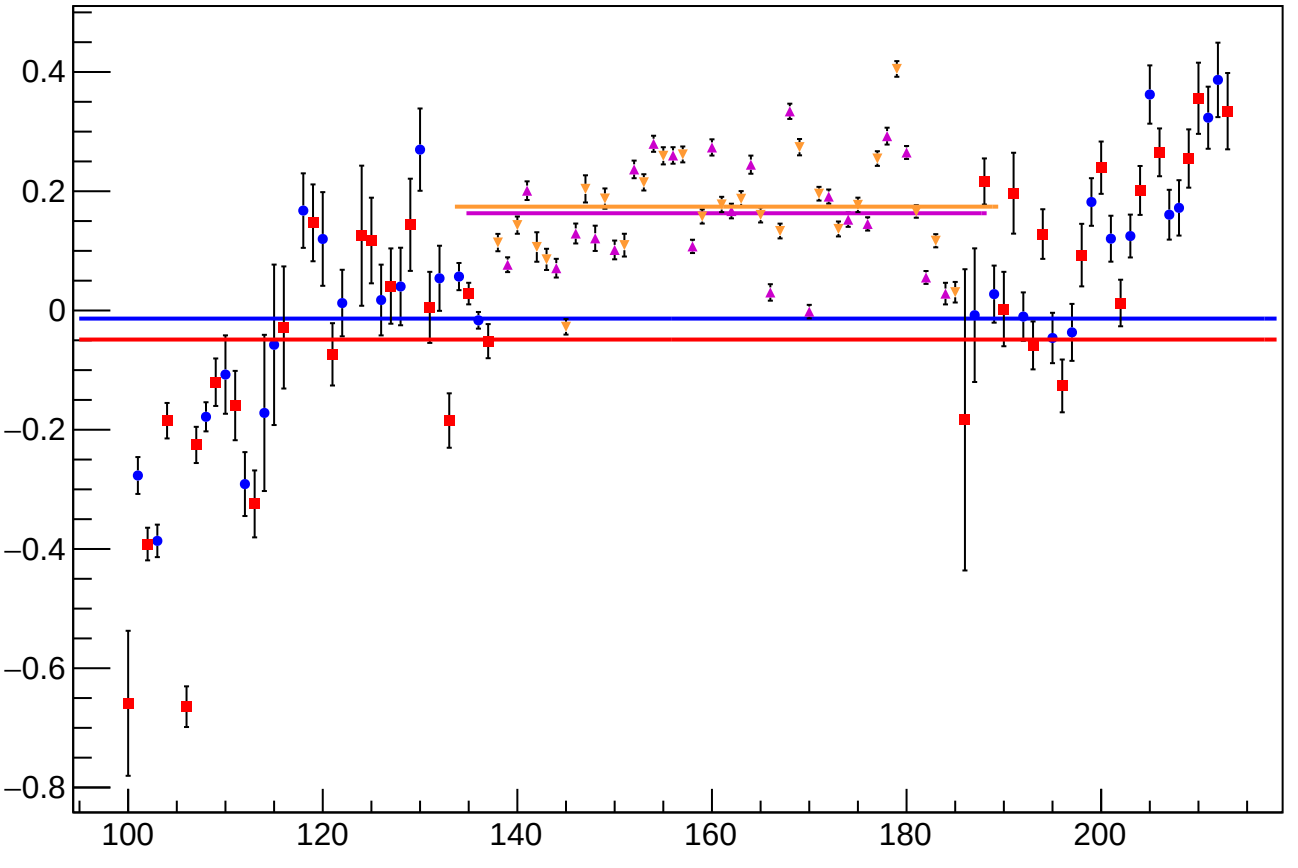
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -2.071+/-0.109 χ^2/NDF: 6602.2/62

In: -7.831+/-0.059 χ^2/NDF:6559.0/51

Out: -8.016+/-0.057 χ^2/NDF:6053.2/58

All: -7.926+/-0.041 χ^2/NDF: 12617.3/110



Right In: -0.014+/-0.007 χ^2/NDF: 603.9/28

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

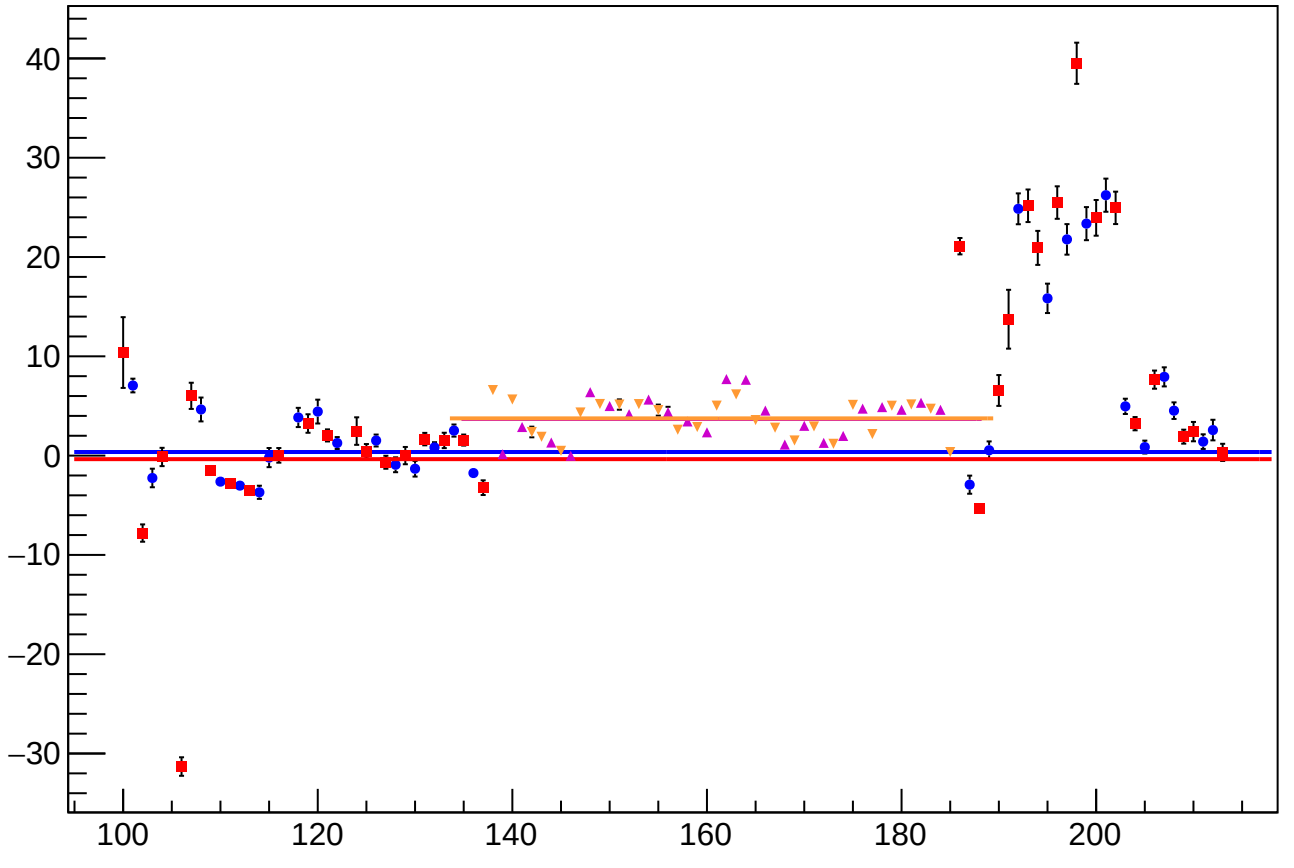
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.031+/-0.005 χ^2/NDF: 1616.6/62

In: 0.140+/-0.003 χ^2/NDF:2337.6/51

Out: 0.147+/-0.003 χ^2/NDF:2739.9/58

All: 0.143+/-0.002 χ^2/NDF: 5081.6/110



Right In: 0.364+/-0.122 χ^2/NDF: 1589.1/28

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

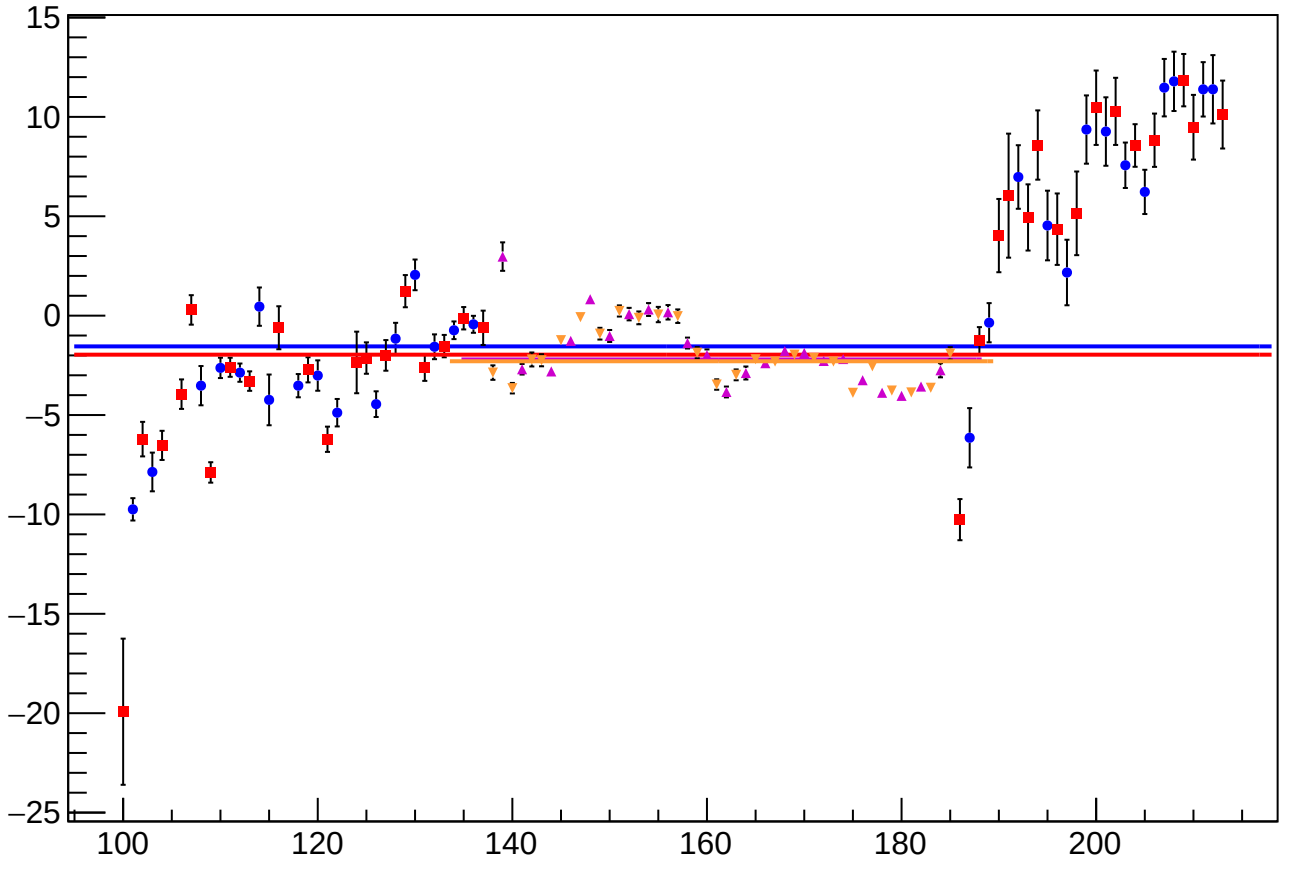
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -0.019+/-0.083 χ^2/NDF: 5468.8/62

In: 2.971+/-0.057 χ^2/NDF:3126.4/51

Out: 2.816+/-0.054 χ^2/NDF:5669.6/58

All: 2.890+/-0.039 χ^2/NDF: 8799.9/110



Right In: -1.547+/-0.145 χ^2/NDF: 926.5/28

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

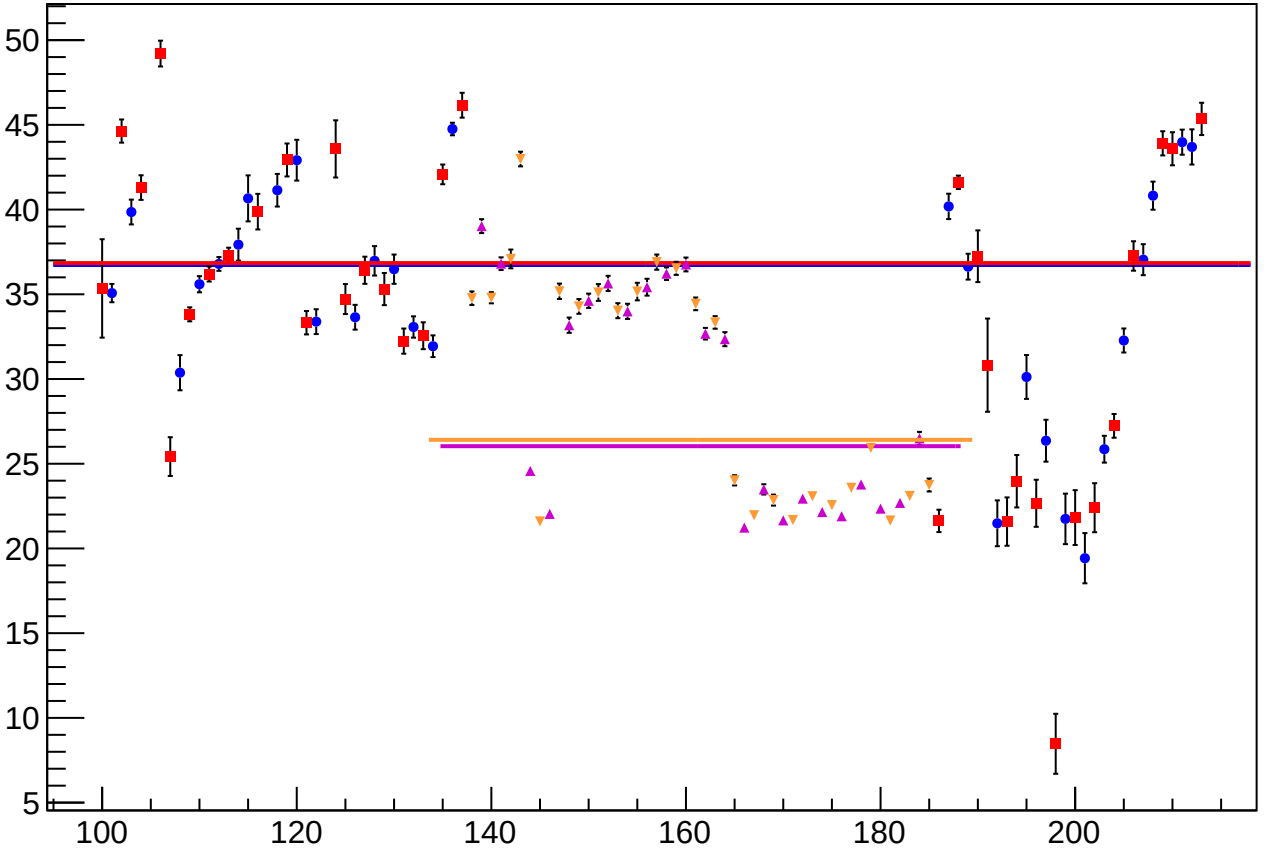
Right: -1.756+/-0.102 χ^2/NDF: 1881.0/62

In: -2.132+/-0.048 χ^2/NDF:1669.5/51

Out: -2.259+/-0.047 χ^2/NDF:1586.6/58

All: -2.197+/-0.034 χ^2/NDF: 3259.7/110

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 36.728+/-0.136 χ^2/NDF: 1603.4/28

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

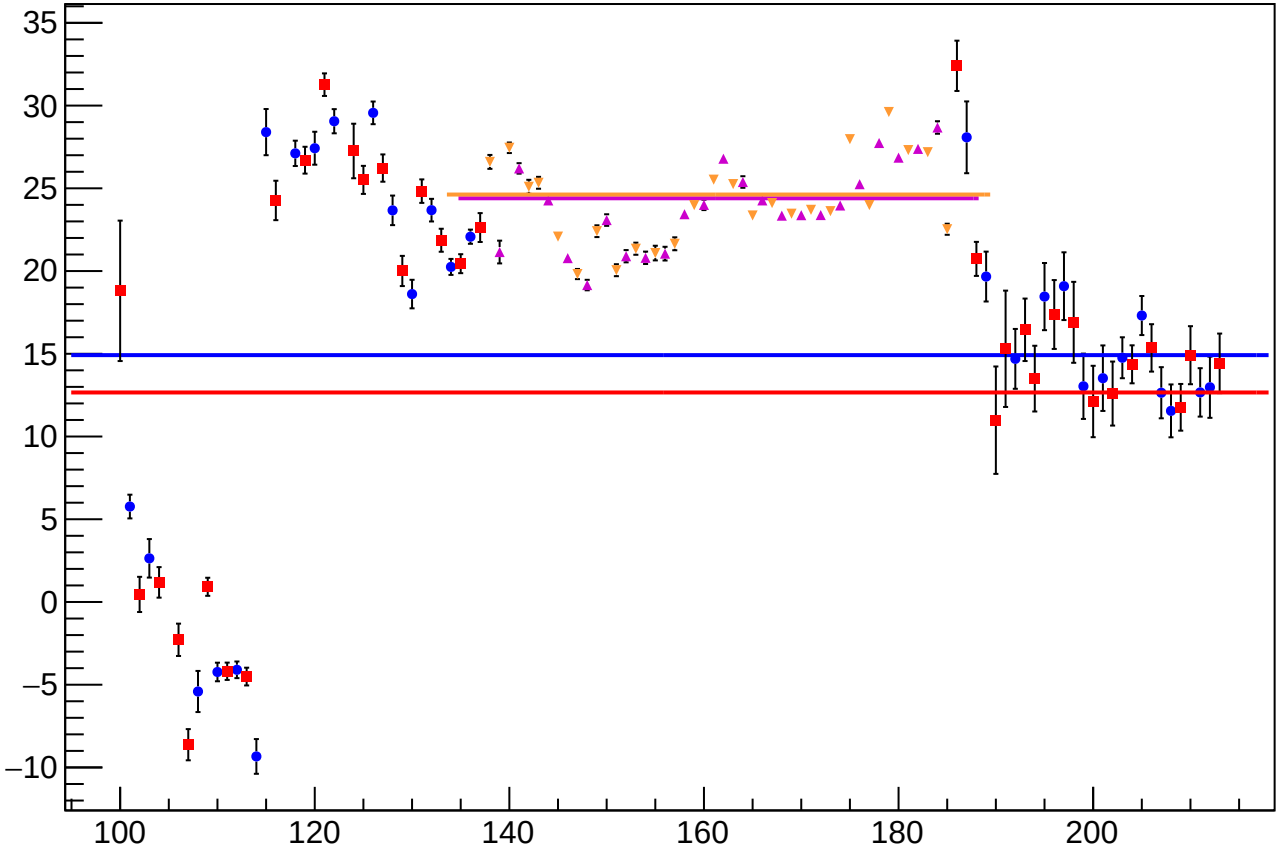
Right: 36.787+/-0.094 χ^2/NDF: 4425.3/62

In: 27.964+/-0.058 χ^2/NDF:14498.5/51

Out: 28.344+/-0.056 χ^2/NDF:17243.9/58

All: 28.160+/-0.040 χ^2/NDF: 31764.7/110

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.919+/-0.162 χ^2/NDF: 5756.3/28

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

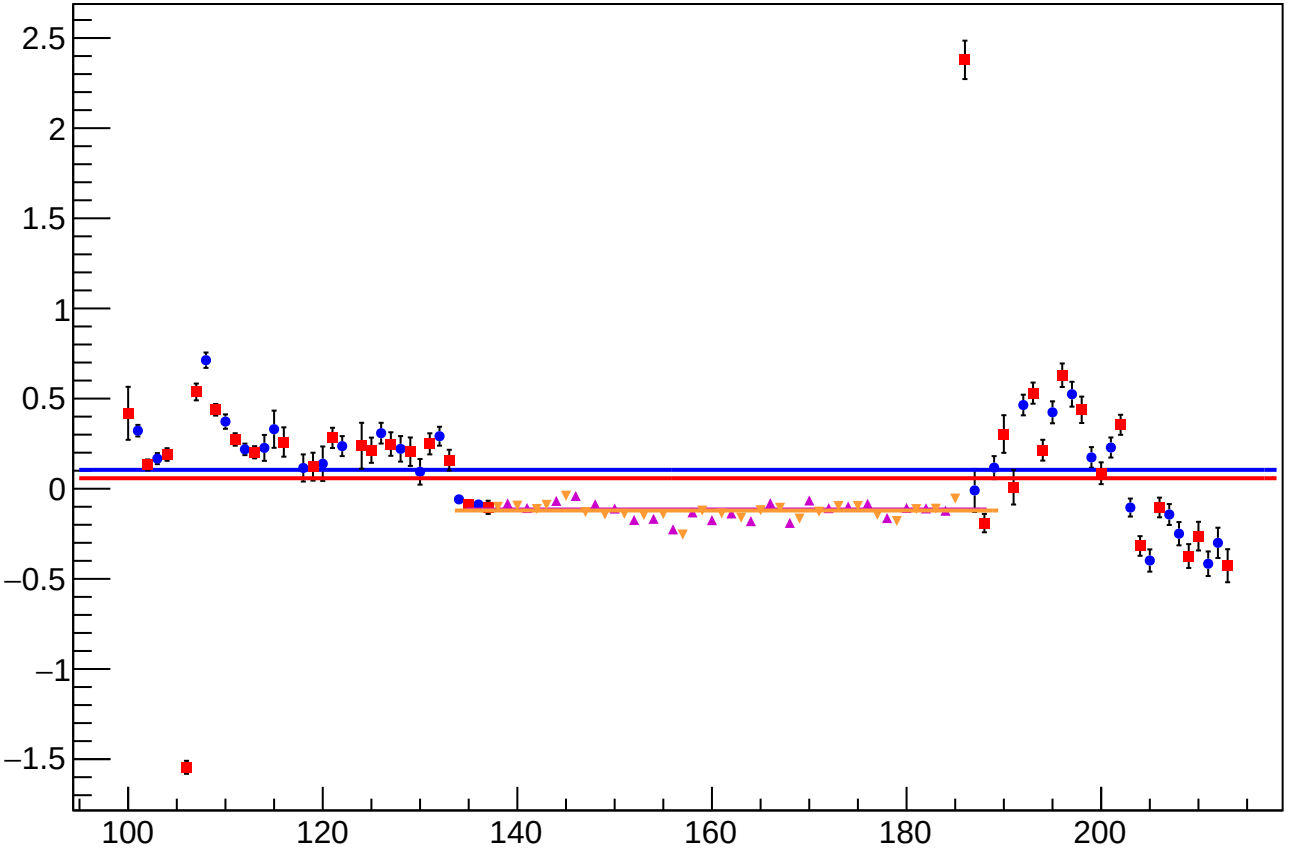
Right: 13.800+/-0.115 χ^2/NDF: 12225.9/62

In: 23.374+/-0.053 χ^2/NDF:10514.4/51

Out: 23.403+/-0.052 χ^2/NDF:13121.7/58

All: 23.389+/-0.037 χ^2/NDF: 23636.3/110

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105+/-0.008 χ^2/NDF: 848.6/28

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

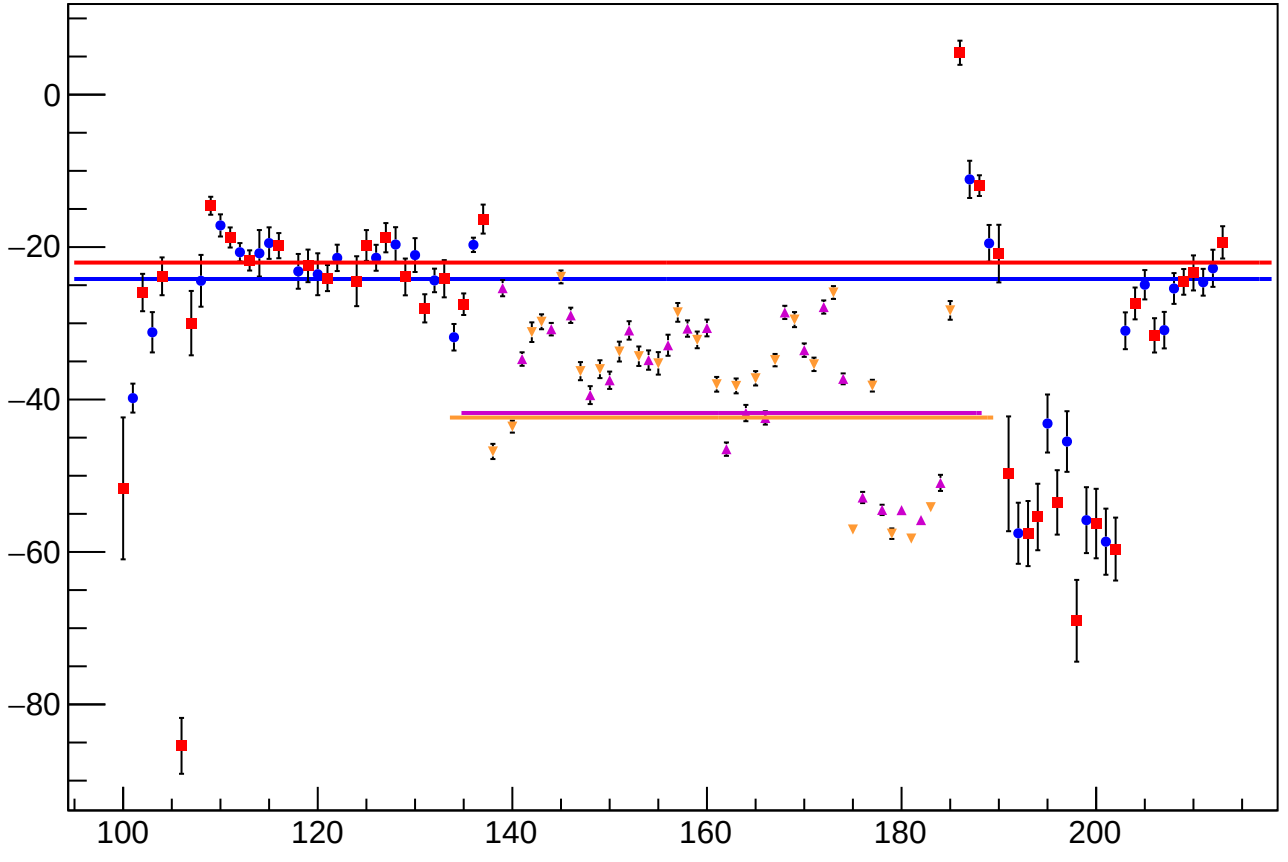
Right: 0.082+/-0.006 χ^2/NDF: 4135.8/62

In: -0.097+/-0.002 χ^2/NDF:1785.8/51

Out: -0.107+/-0.002 χ^2/NDF:3945.7/58

All: -0.102+/-0.002 χ^2/NDF: 5740.5/110

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -24.187+/-0.370 χ^2/NDF: 455.2/28

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

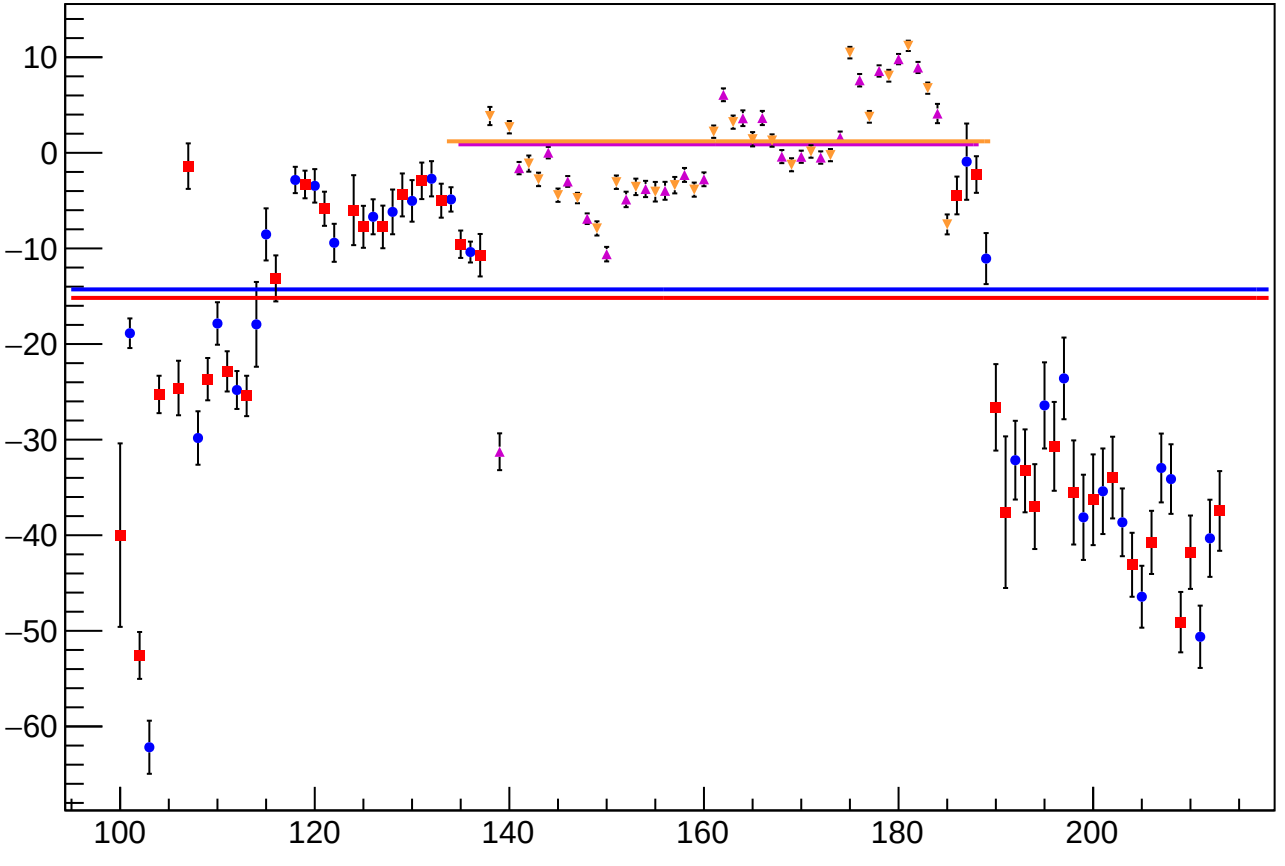
Right: -23.073+/-0.257 χ^2/NDF: 1676.8/62

In: -38.354+/-0.163 χ^2/NDF:5729.6/51

Out: -38.437+/-0.157 χ^2/NDF:8283.8/58

All: -38.397+/-0.113 χ^2/NDF: 14013.5/110

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -14.285+/-0.415 χ^2/NDF: 1103.3/28

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

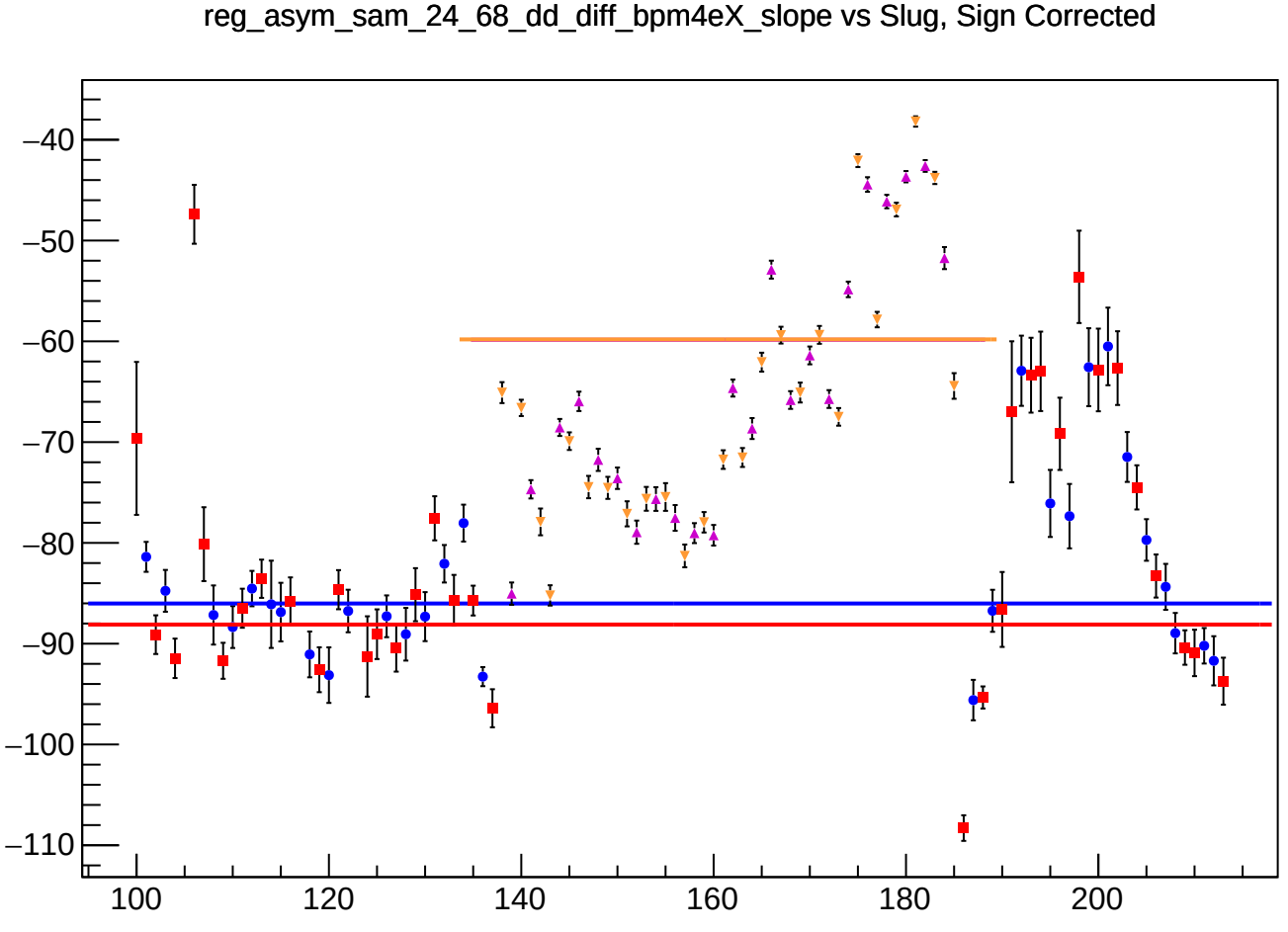
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -14.722+/-0.296 χ^2/NDF: 2224.6/62

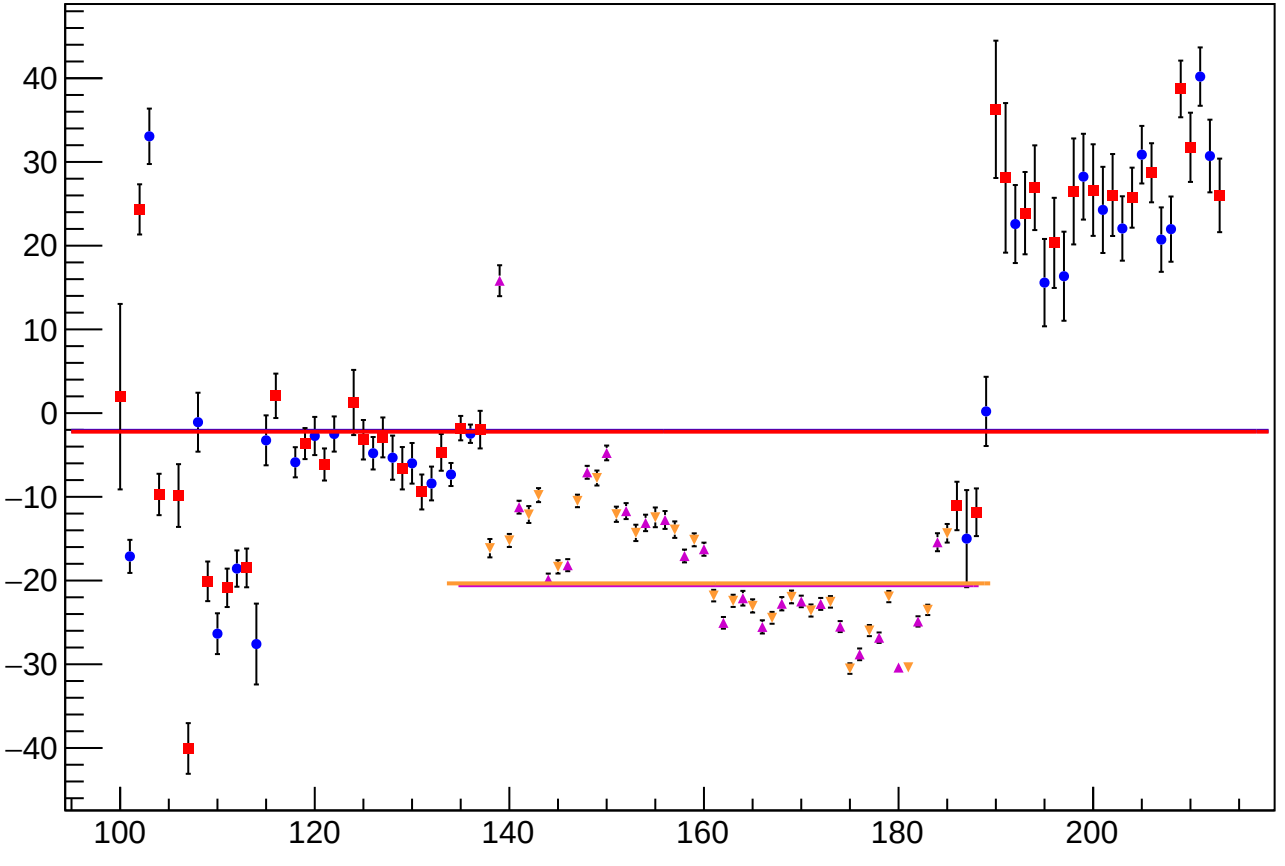
In: -0.722+/-0.135 χ^2/NDF:4063.8/51

Out: -0.379+/-0.131 χ^2/NDF:3940.7/58

All: -0.546+/-0.094 χ^2/NDF: 8007.8/110


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
100
120
140
160
180
200
Right In: -86.014+/-0.391 χ²/NDF: 329.7/28
Left Out: -59.809+/-0.175 χ²/NDF:6645.1/24
Right Out: -88.102+/-0.378 χ²/NDF: 889.8/33
Left In: -59.846+/-0.181 χ²/NDF:5534.1/22
Left: -59.827+/-0.126 χ²/NDF: 12179.2/47
Right: -87.092+/-0.272 χ²/NDF: 1234.3/62
In: -64.468+/-0.164 χ²/NDF:9552.8/51
Out: -64.813+/-0.159 χ²/NDF:12141.3/58
All: -64.646+/-0.114 χ²/NDF: 21696.4/110

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.118+/-0.467 χ^2/NDF: 917.4/28

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

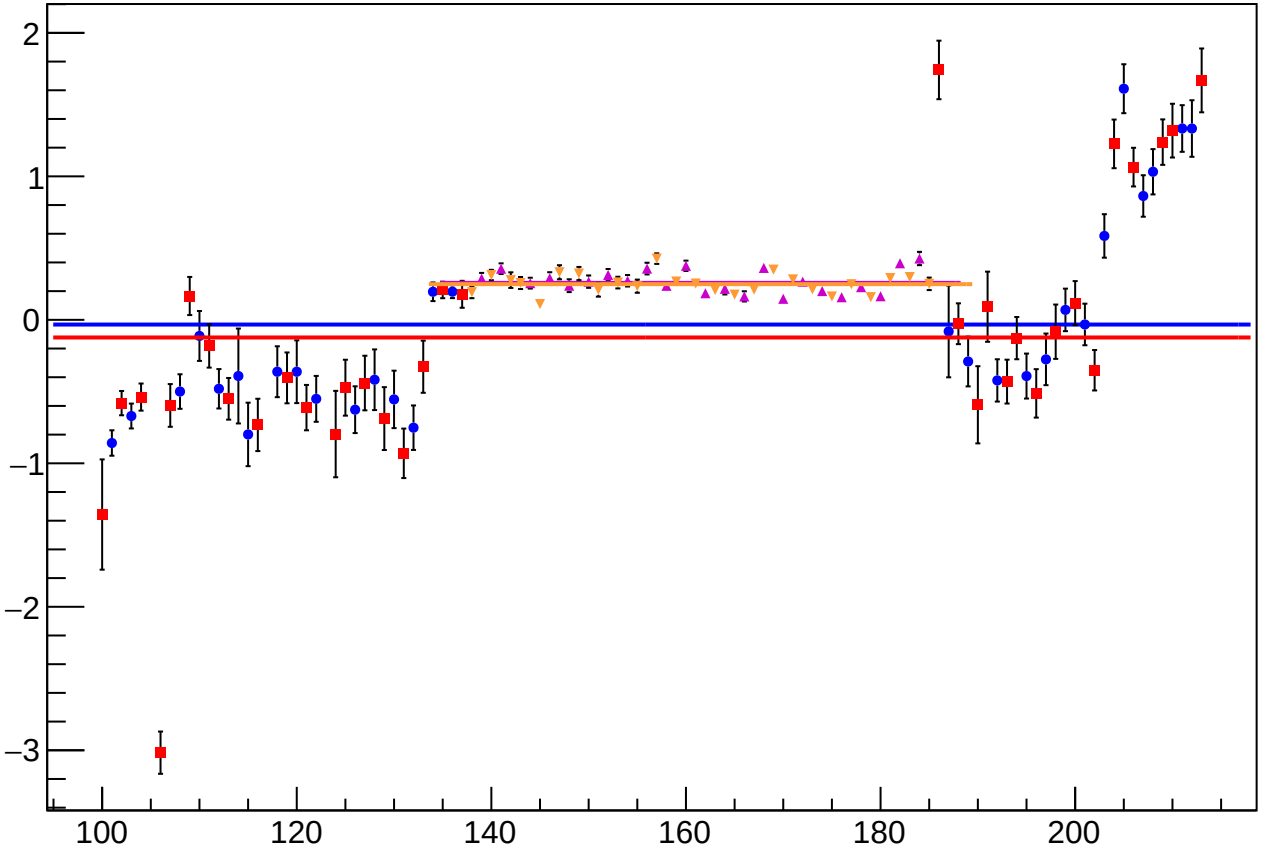
Right: -2.164+/-0.337 χ^2/NDF: 1970.7/62

In: -18.629+/-0.151 χ^2/NDF:4505.4/51

Out: -18.668+/-0.147 χ^2/NDF:4021.5/58

All: -18.649+/-0.105 χ^2/NDF: 8527.0/110

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.033+/-0.023 χ^2/NDF: 608.1/28

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

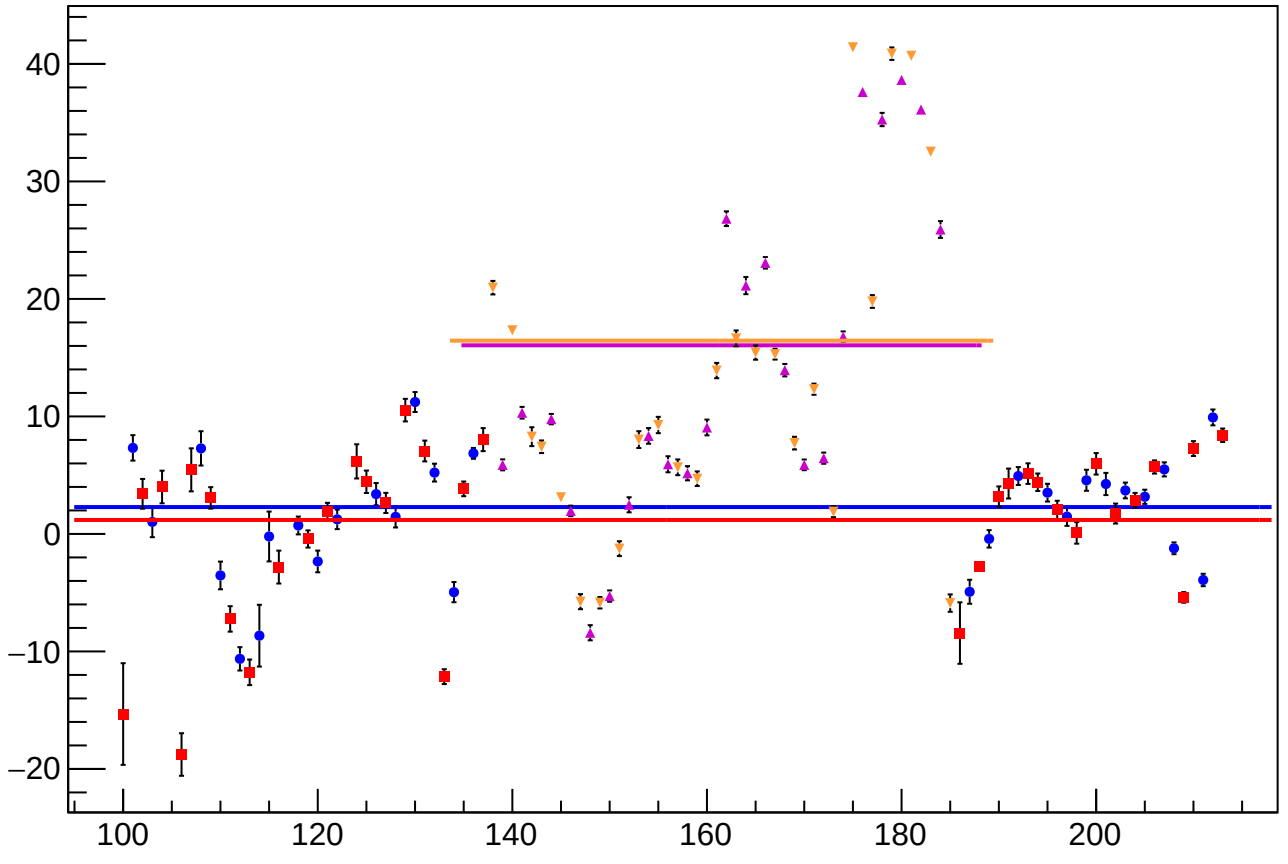
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.076+/-0.017 χ^2/NDF: 1632.9/62

In: 0.232+/-0.007 χ^2/NDF:887.2/51

Out: 0.221+/-0.007 χ^2/NDF:1326.6/58

All: 0.226+/-0.005 χ^2/NDF: 2215.3/110



Right In: 2.286+/-0.145 χ^2/NDF: 1013.6/28

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

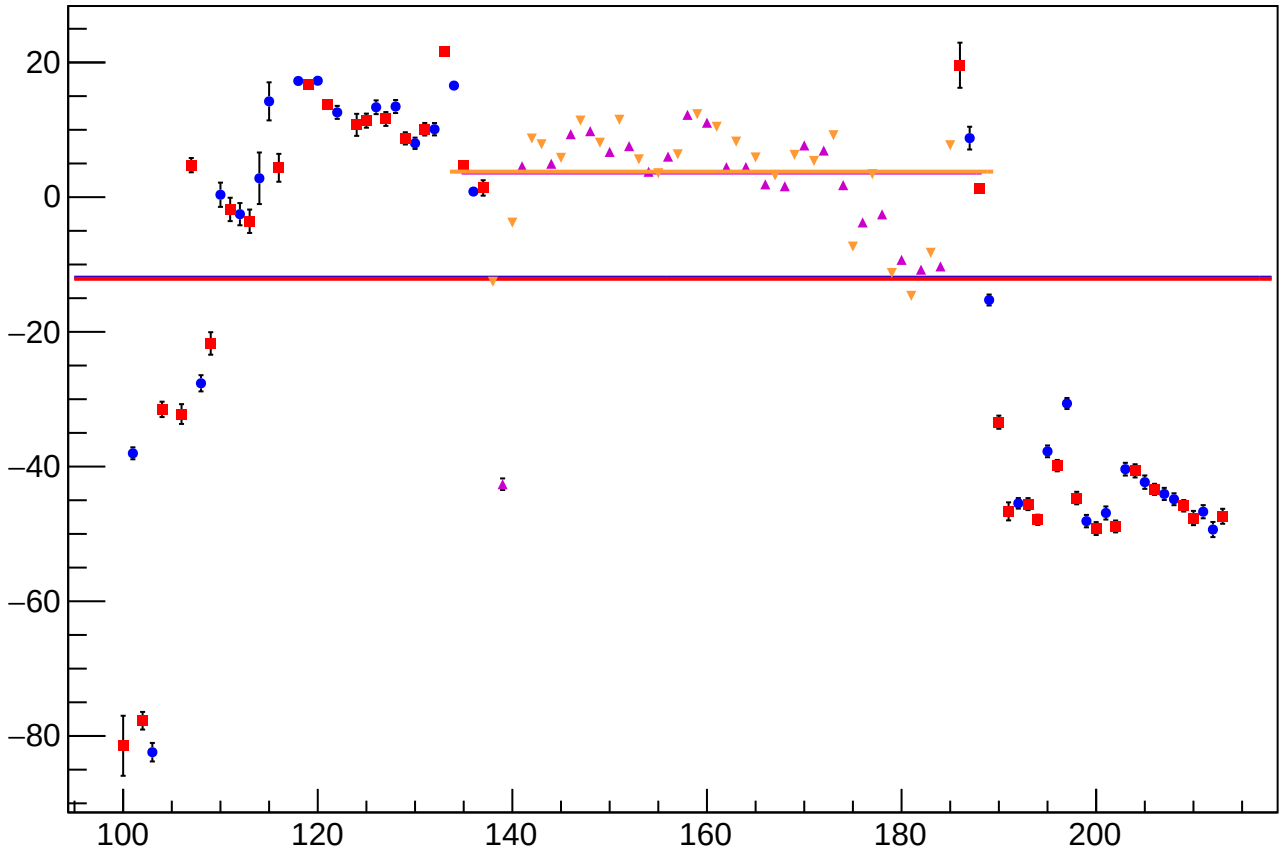
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.703+/-0.099 χ^2/NDF: 2826.9/62

In: 11.181+/-0.086 χ^2/NDF:24467.9/51

Out: 10.815+/-0.083 χ^2/NDF:31130.7/58

All: 10.990+/-0.060 χ^2/NDF: 55608.1/110



Right In: -11.956+/-0.163 χ^2/NDF: 29118.4/28

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

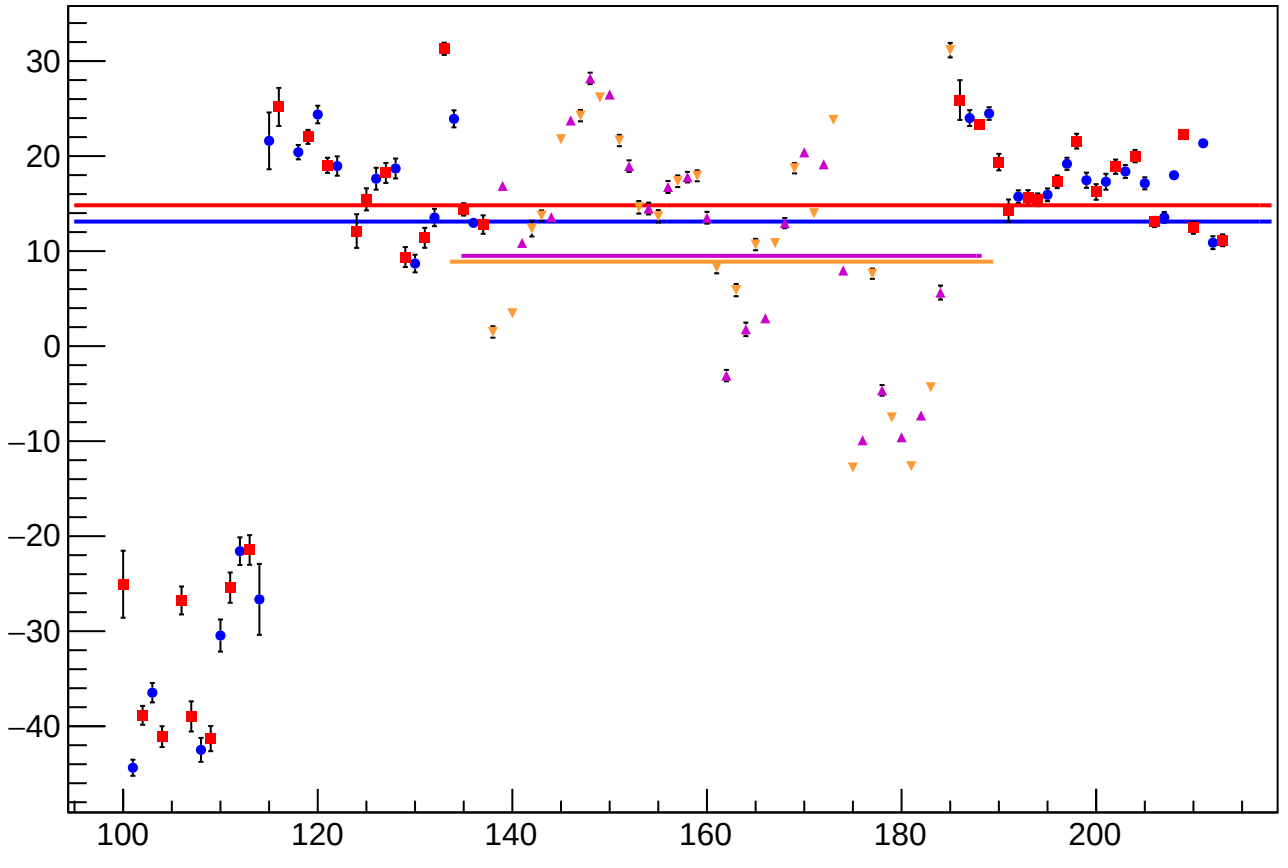
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -12.041+/-0.112 χ^2/NDF: 63311.7/62

In: 0.433+/-0.074 χ^2/NDF:44720.0/51

Out: 0.443+/-0.071 χ^2/NDF:51595.7/58

All: 0.438+/-0.051 χ^2/NDF: 96315.6/110



Right In: 13.111+/-0.143 χ^2/NDF: 11808.8/28

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

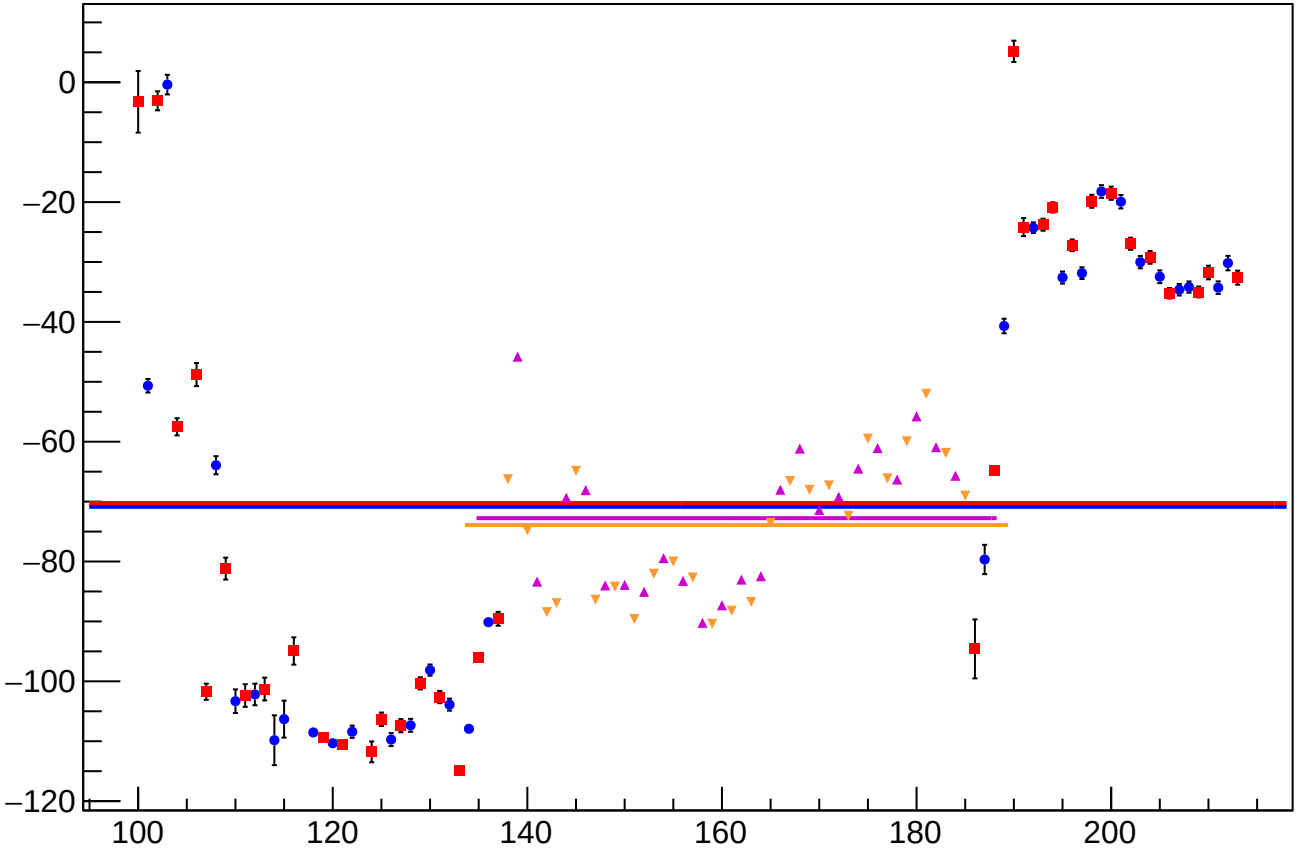
Right: 14.034+/-0.097 χ^2/NDF: 24671.2/62

In: 10.787+/-0.085 χ^2/NDF:25259.2/51

Out: 11.151+/-0.082 χ^2/NDF:29458.4/58

All: 10.977+/-0.059 χ^2/NDF: 54727.1/110

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -70.859+/-0.187 χ^2/NDF: 38451.6/28

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

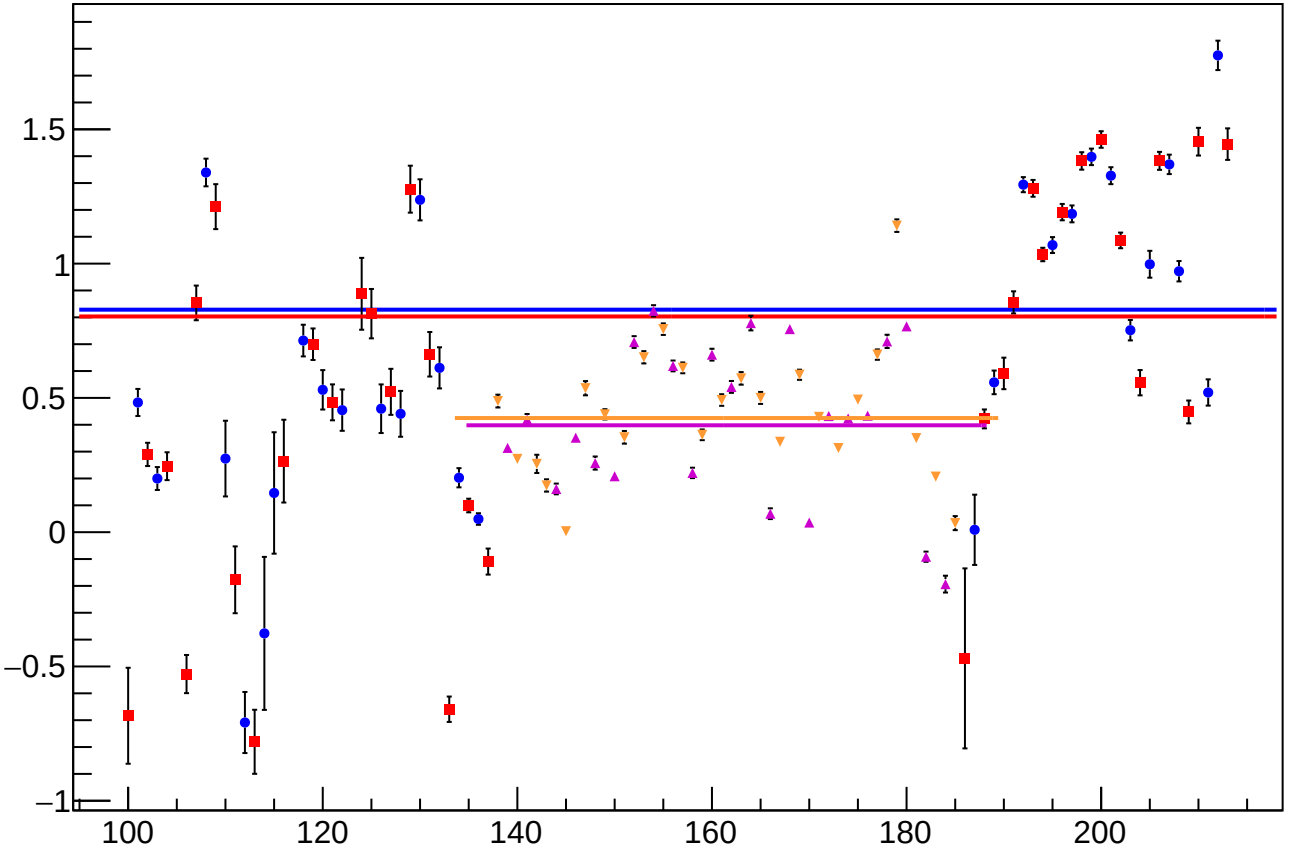
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -70.535+/-0.130 χ^2/NDF: 84432.3/62

In: -72.383+/-0.084 χ^2/NDF:51147.1/51

Out: -73.172+/-0.081 χ^2/NDF:61871.9/58

All: -72.790+/-0.058 χ^2/NDF: 113065.0/110



Right In: 0.829+/-0.008 χ^2/NDF: 4058.4/28

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

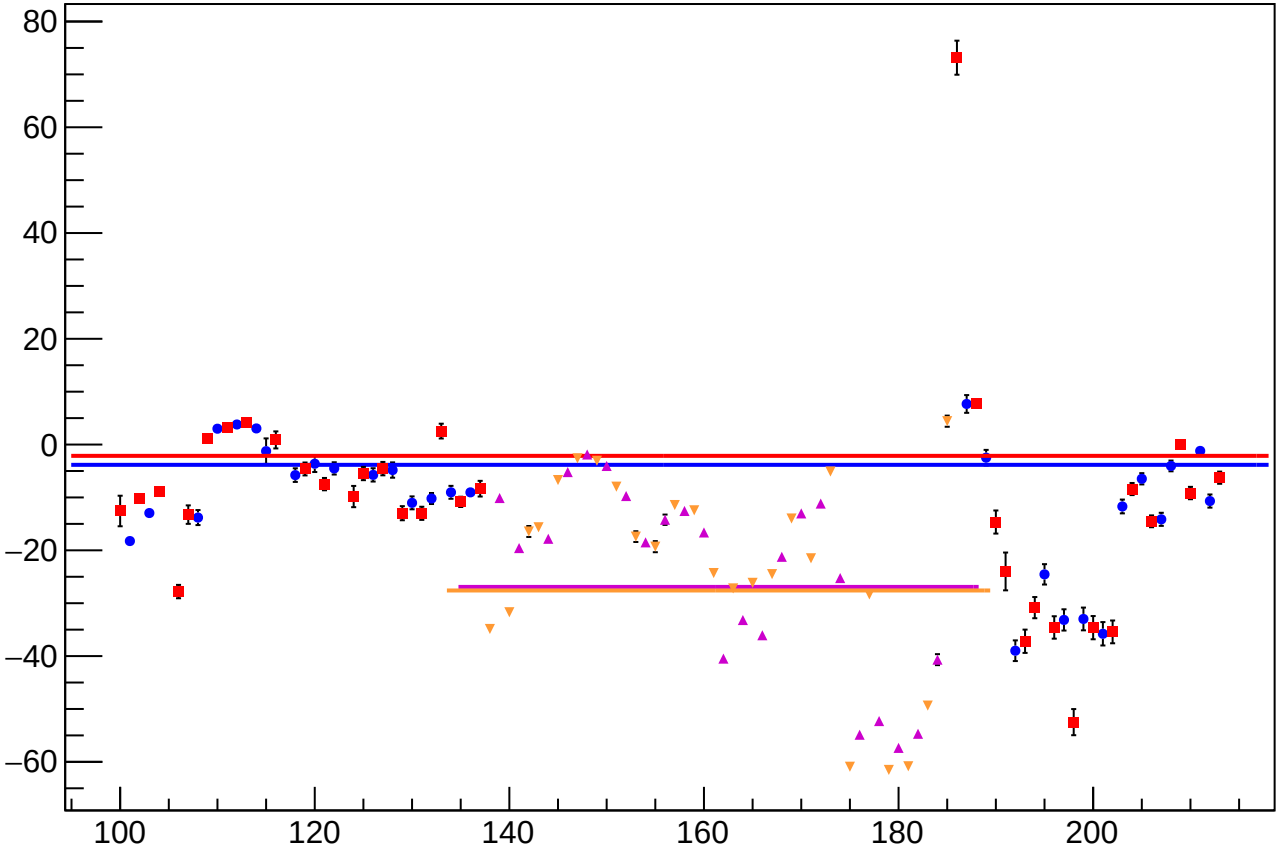
Right: 0.815+/-0.006 χ^2/NDF: 9339.1/62

In: 0.486+/-0.004 χ^2/NDF:10547.3/51

Out: 0.505+/-0.004 χ^2/NDF:10154.7/58

All: 0.496+/-0.003 χ^2/NDF: 20716.1/110

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.835+/-0.171 χ^2/NDF: 2809.1/28

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

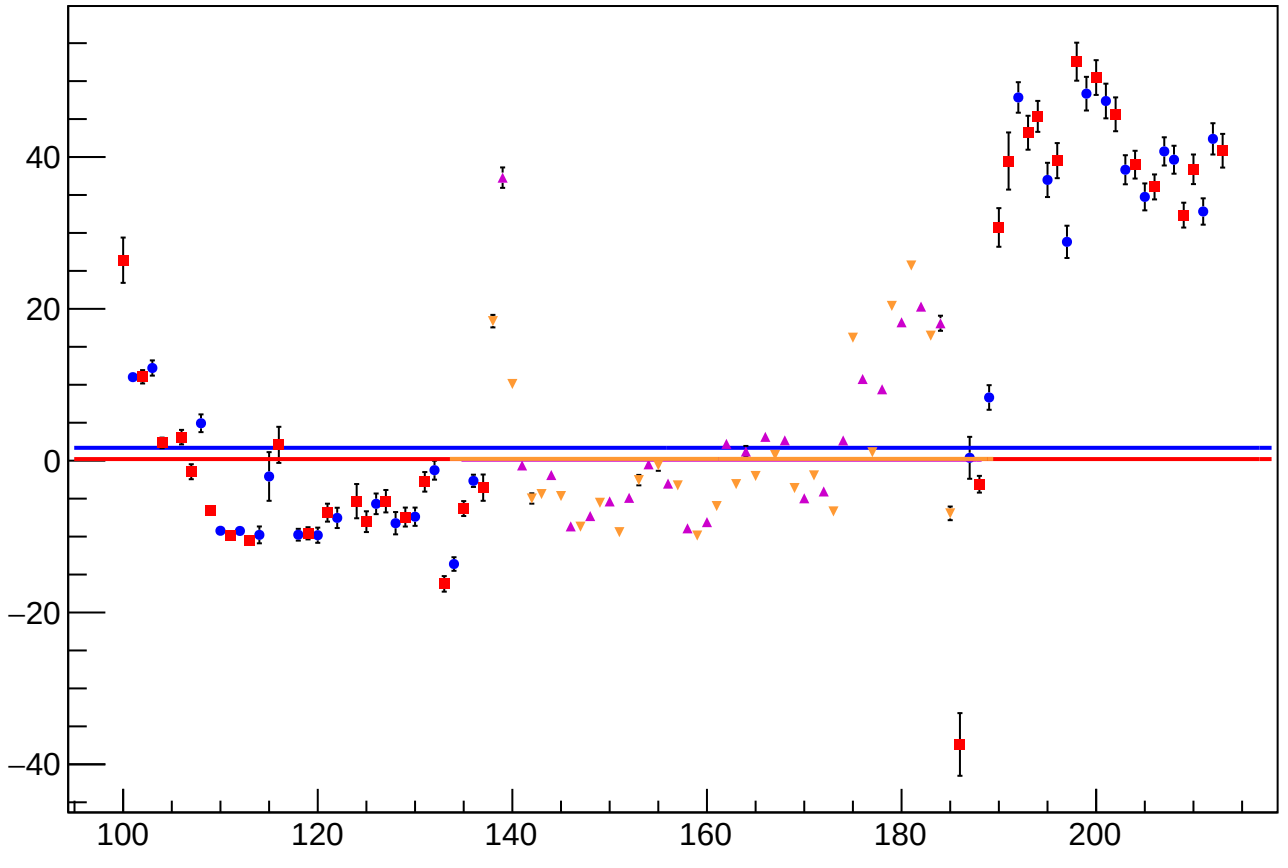
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -2.894+/-0.115 χ^2/NDF: 6940.2/62

In: -16.969+/-0.113 χ^2/NDF:28661.0/51

Out: -15.696+/-0.105 χ^2/NDF:38383.3/58

All: -16.290+/-0.077 χ^2/NDF: 67112.5/110



Right In: 1.694+/-0.209 χ^2/NDF: 6104.4/28

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

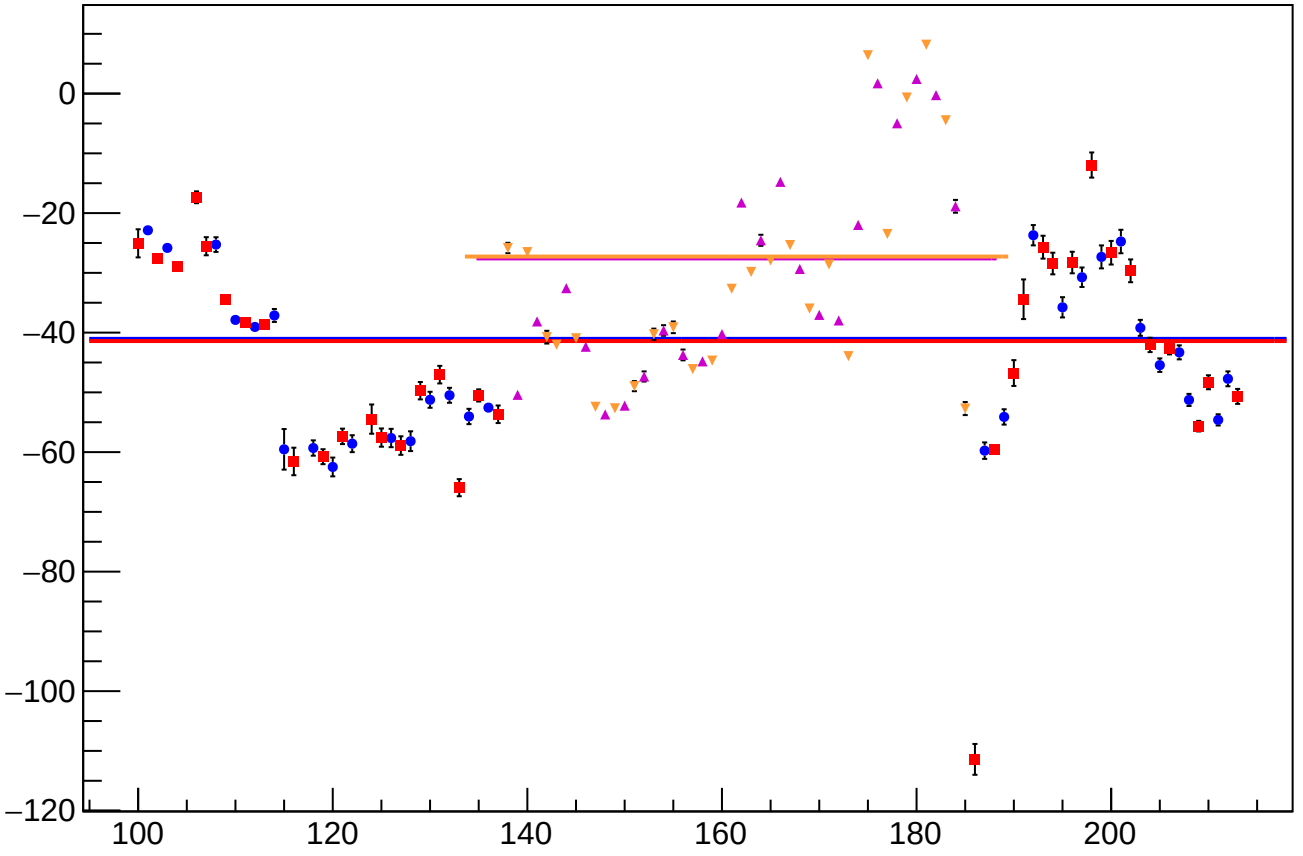
Right: 0.925+/-0.145 χ^2/NDF: 12561.6/62

In: 0.493+/-0.100 χ^2/NDF:11984.9/51

Out: 0.232+/-0.097 χ^2/NDF:14466.7/58

All: 0.358+/-0.070 χ^2/NDF: 26455.1/110

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -41.048+/-0.192 χ^2/NDF: 3930.4/28

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

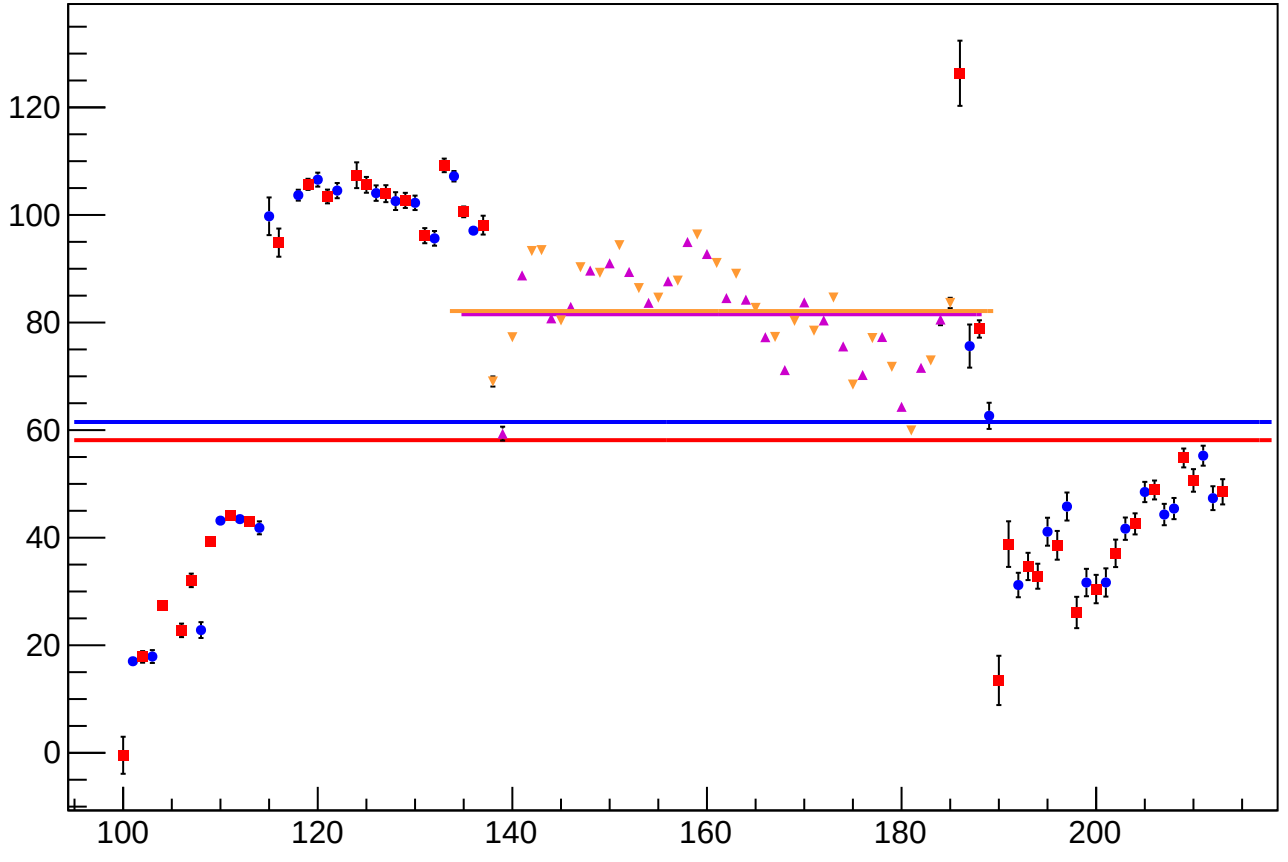
Right: -41.241+/-0.131 χ^2/NDF: 9285.1/62

In: -32.622+/-0.117 χ^2/NDF:22667.8/51

Out: -32.801+/-0.112 χ^2/NDF:27656.7/58

All: -32.715+/-0.081 χ^2/NDF: 50325.8/110

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.509+/-0.238 χ^2/NDF: 19592.5/28

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

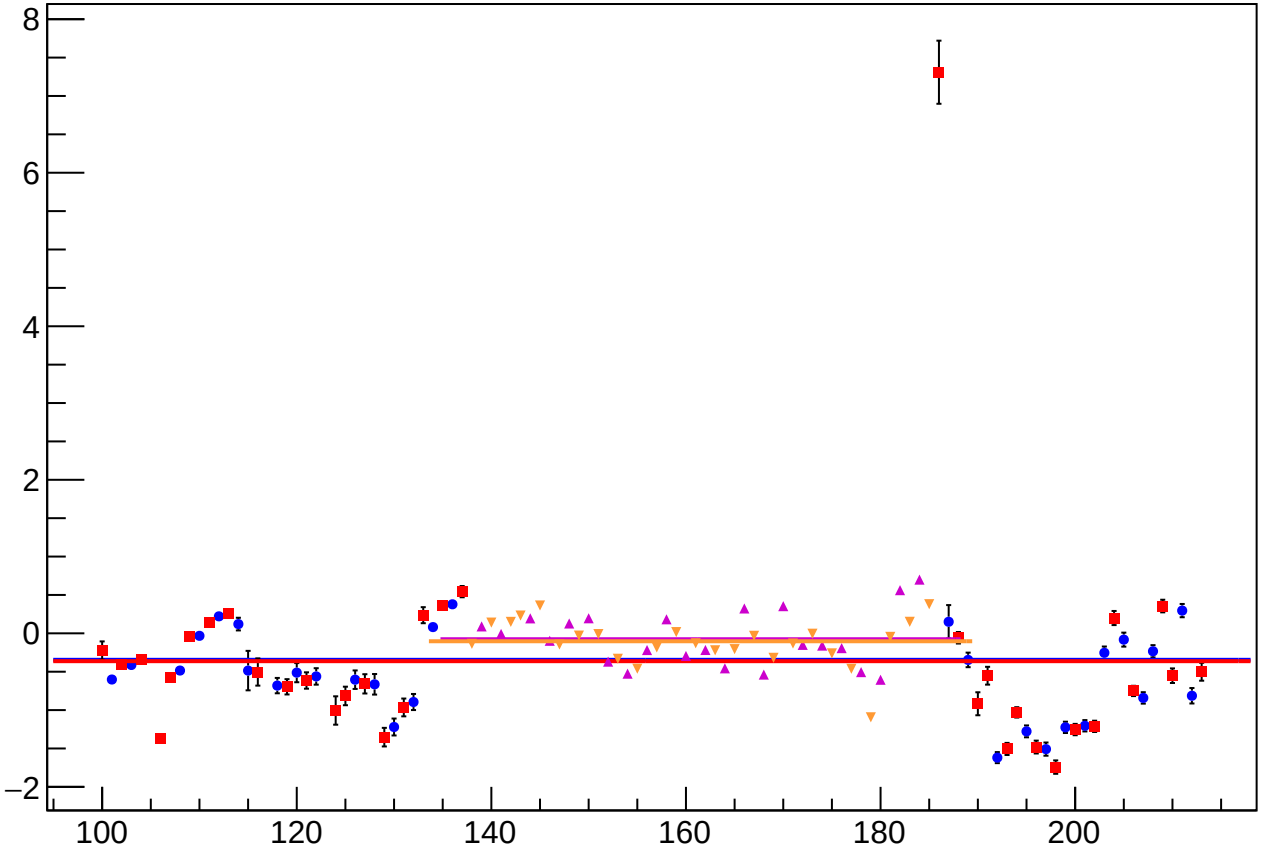
Right: 59.762+/-0.166 χ^2/NDF: 38259.9/62

In: 77.001+/-0.113 χ^2/NDF:29102.0/51

Out: 76.680+/-0.110 χ^2/NDF:32348.5/58

All: 76.835+/-0.079 χ^2/NDF: 61454.7/110

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.345+/-0.012 χ^2/NDF: 2106.2/28

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

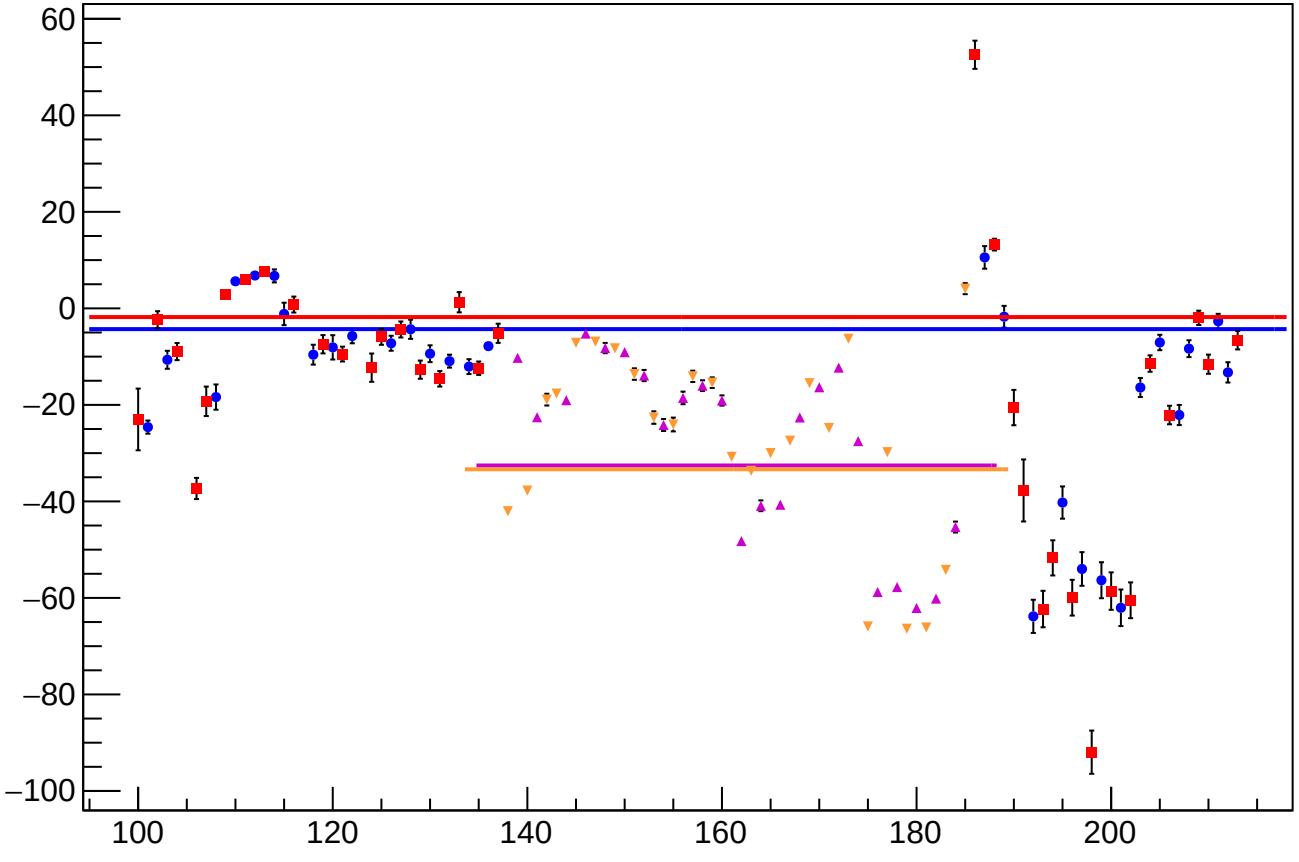
Right: -0.354+/-0.008 χ^2/NDF: 5152.3/62

In: -0.129+/-0.005 χ^2/NDF:5854.1/51

Out: -0.155+/-0.005 χ^2/NDF:5882.4/58

All: -0.143+/-0.004 χ^2/NDF: 11749.5/110

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.299+/-0.276 χ^2/NDF: 2199.1/28

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

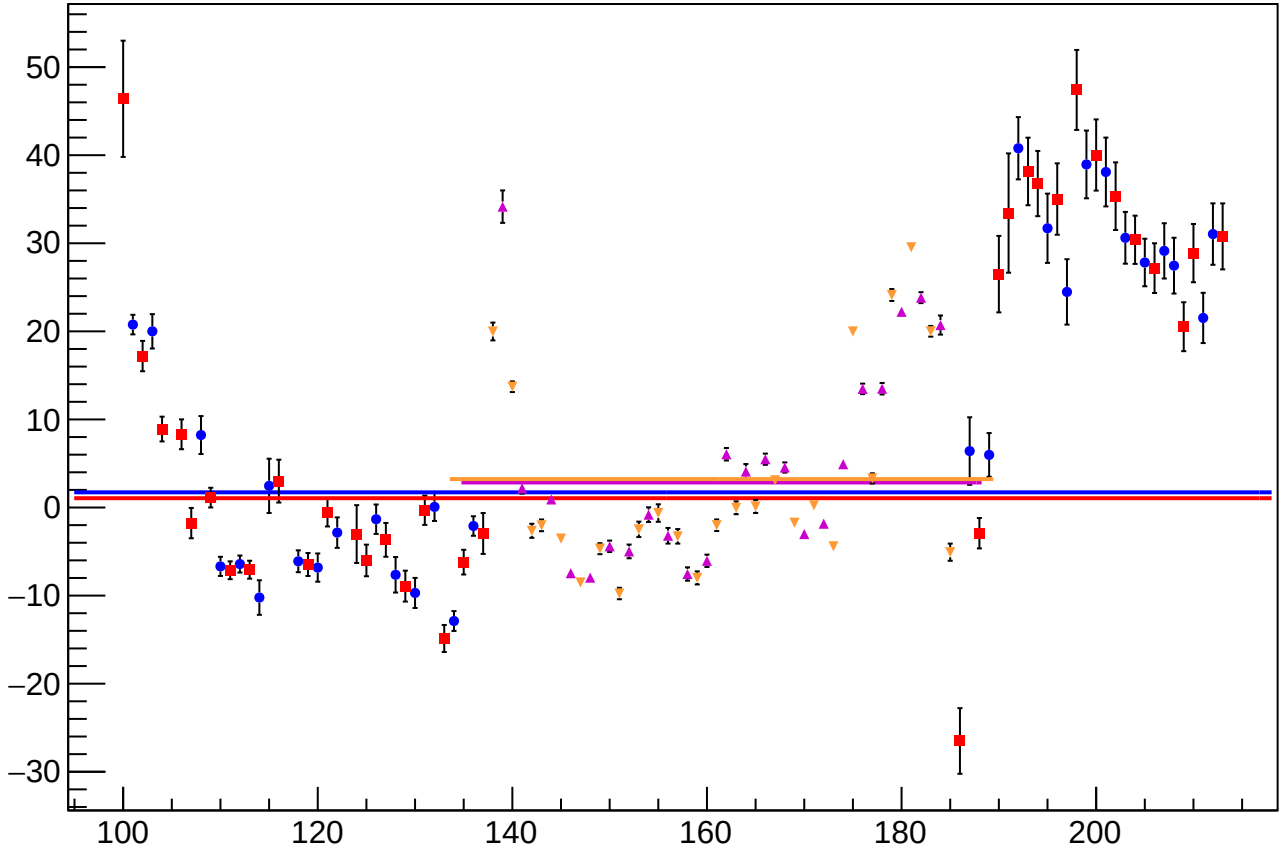
Right: -2.950+/-0.187 χ^2/NDF: 5508.3/62

In: -24.808+/-0.144 χ^2/NDF:23725.8/51

Out: -24.028+/-0.138 χ^2/NDF:32102.7/58

All: -24.401+/-0.100 χ^2/NDF: 55843.7/110

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.724+/-0.331 χ^2/NDF: 1738.3/28

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

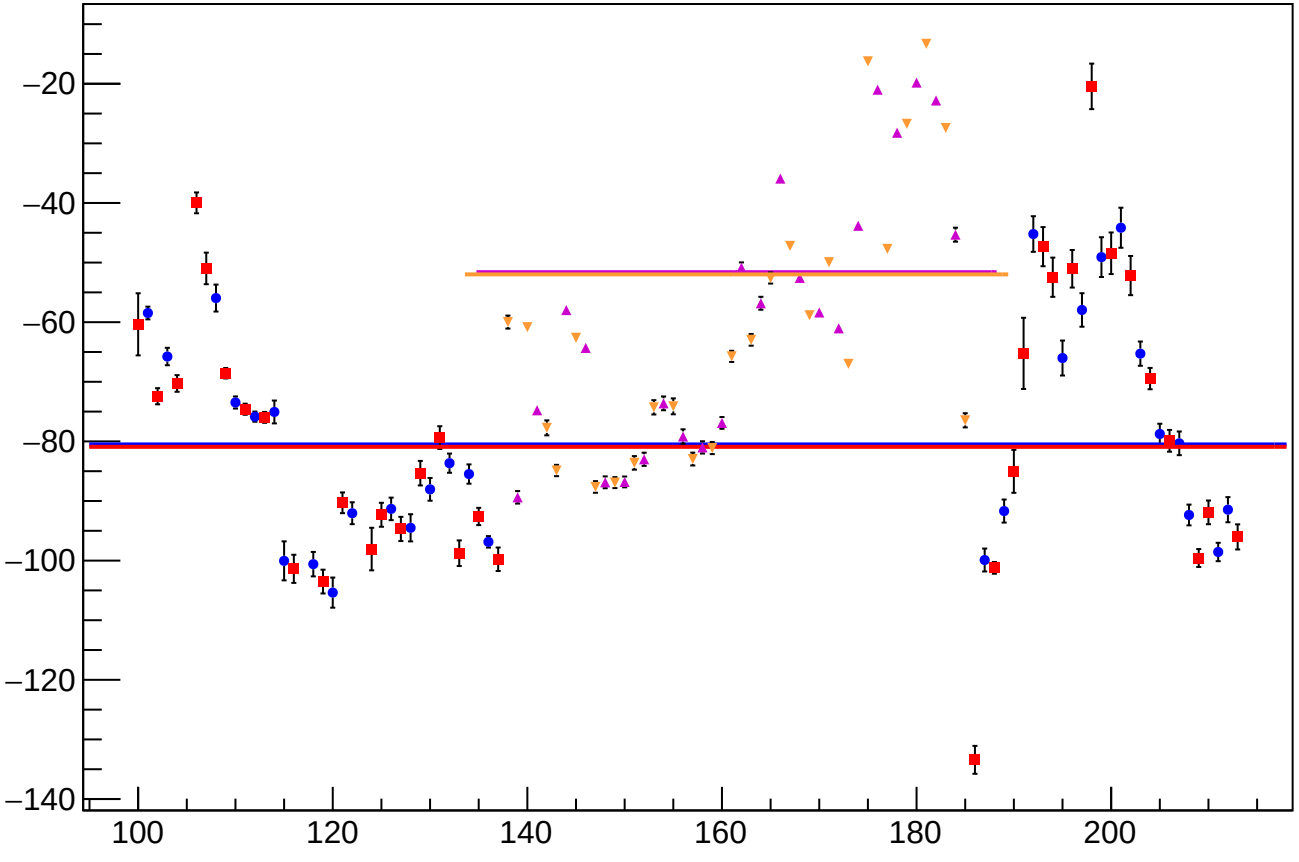
Right: 1.386+/-0.233 χ^2/NDF: 3319.5/62

In: 2.693+/-0.122 χ^2/NDF:7203.7/51

Out: 2.936+/-0.119 χ^2/NDF:9292.8/58

All: 2.817+/-0.085 χ^2/NDF: 16498.6/110

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -80.510+/-0.310 χ^2/NDF: 2225.1/28

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

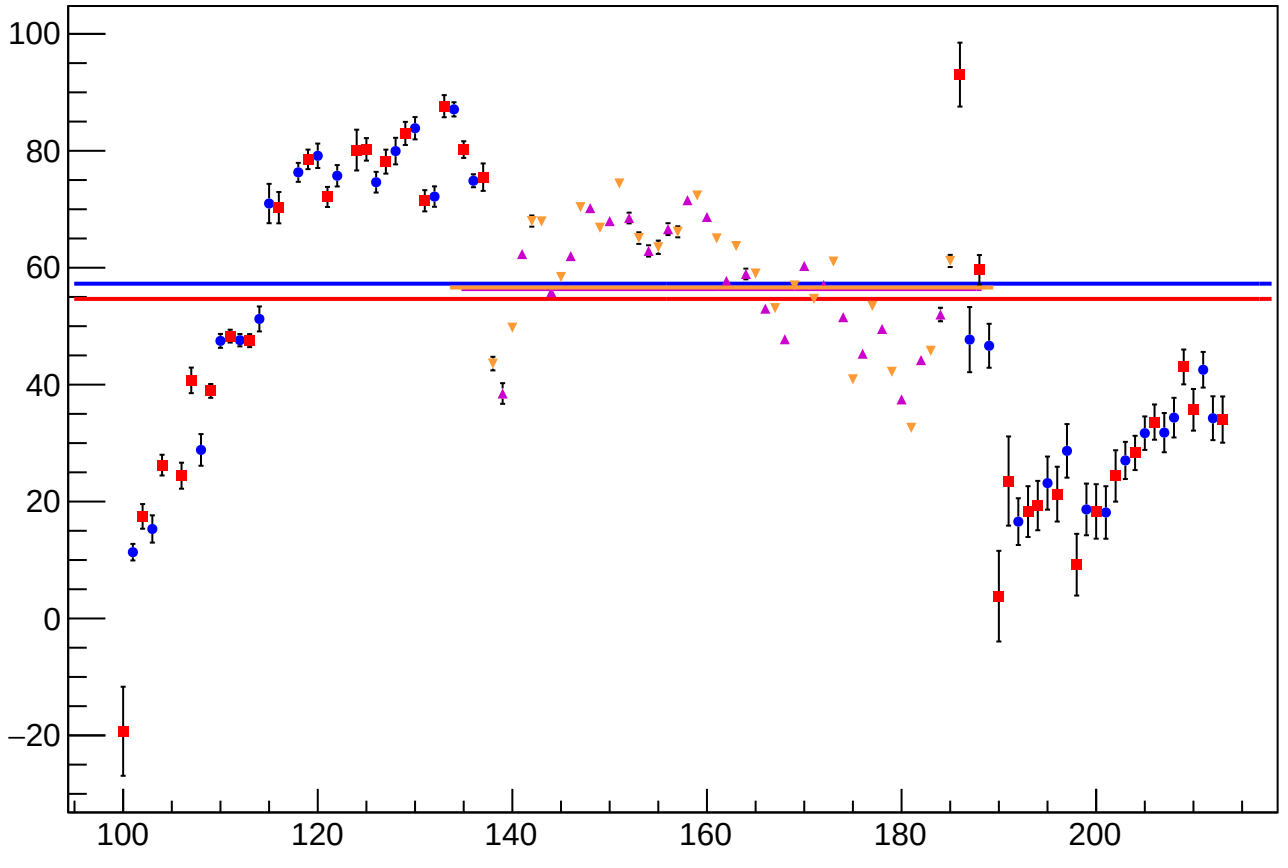
Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

Right: -80.718+/-0.214 χ^2/NDF: 5749.9/62

In: -58.239+/-0.148 χ^2/NDF:26549.2/51

Out: -58.815+/-0.144 χ^2/NDF:31688.3/58

All: -58.536+/-0.103 χ^2/NDF: 58245.3/110



Right In: 57.270+/-0.373 χ^2/NDF: 4019.0/28

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

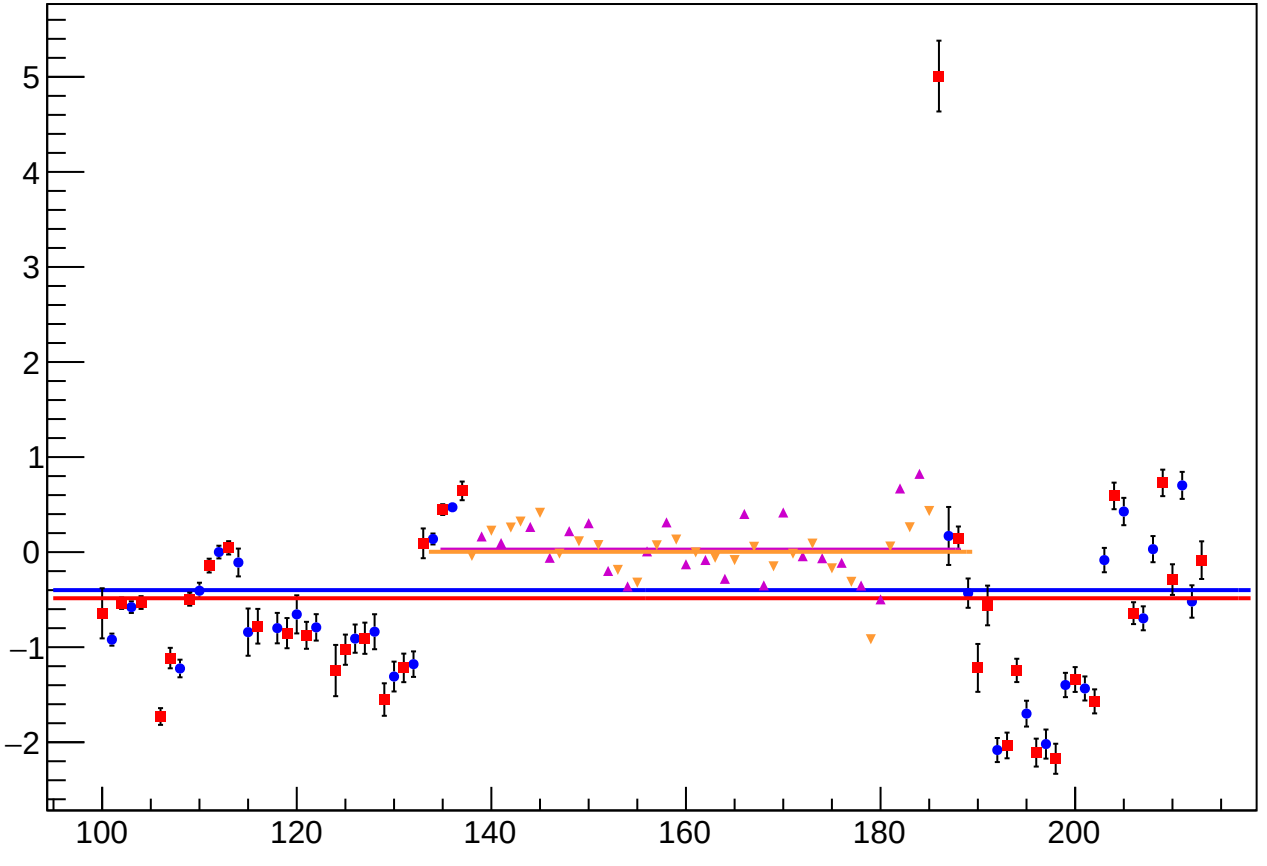
Right: 55.961+/-0.263 χ^2/NDF: 7564.2/62

In: 56.472+/-0.137 χ^2/NDF:7993.0/51

Out: 56.358+/-0.134 χ^2/NDF:9210.8/58

All: 56.414+/-0.096 χ^2/NDF: 17204.1/110

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.400+/-0.019 χ^2/NDF: 1384.6/28

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

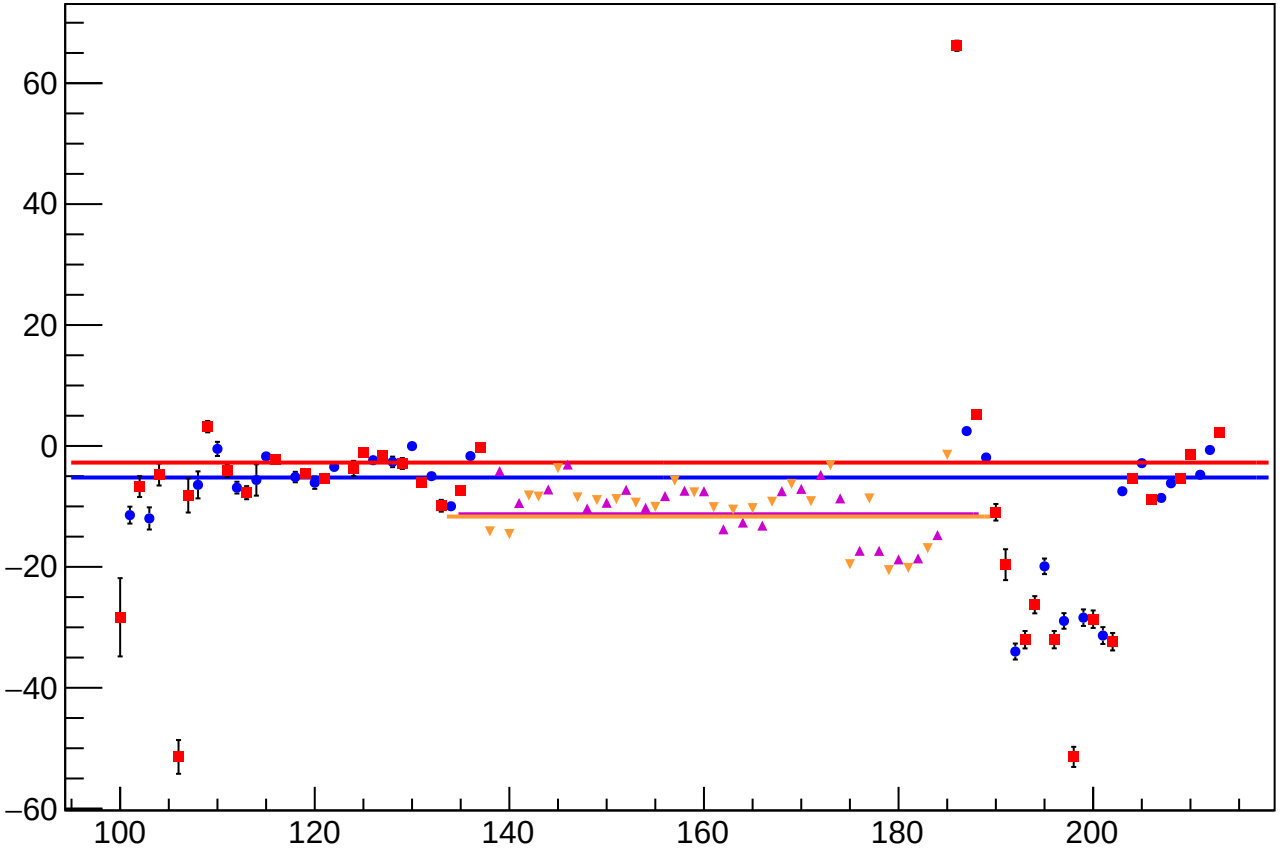
Right: -0.442+/-0.013 χ^2/NDF: 3151.1/62

In: -0.020+/-0.006 χ^2/NDF:4183.9/51

Out: -0.047+/-0.006 χ^2/NDF:4050.1/58

All: -0.034+/-0.004 χ^2/NDF: 8243.8/110

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.219+/-0.146 χ^2/NDF: 2074.9/28

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

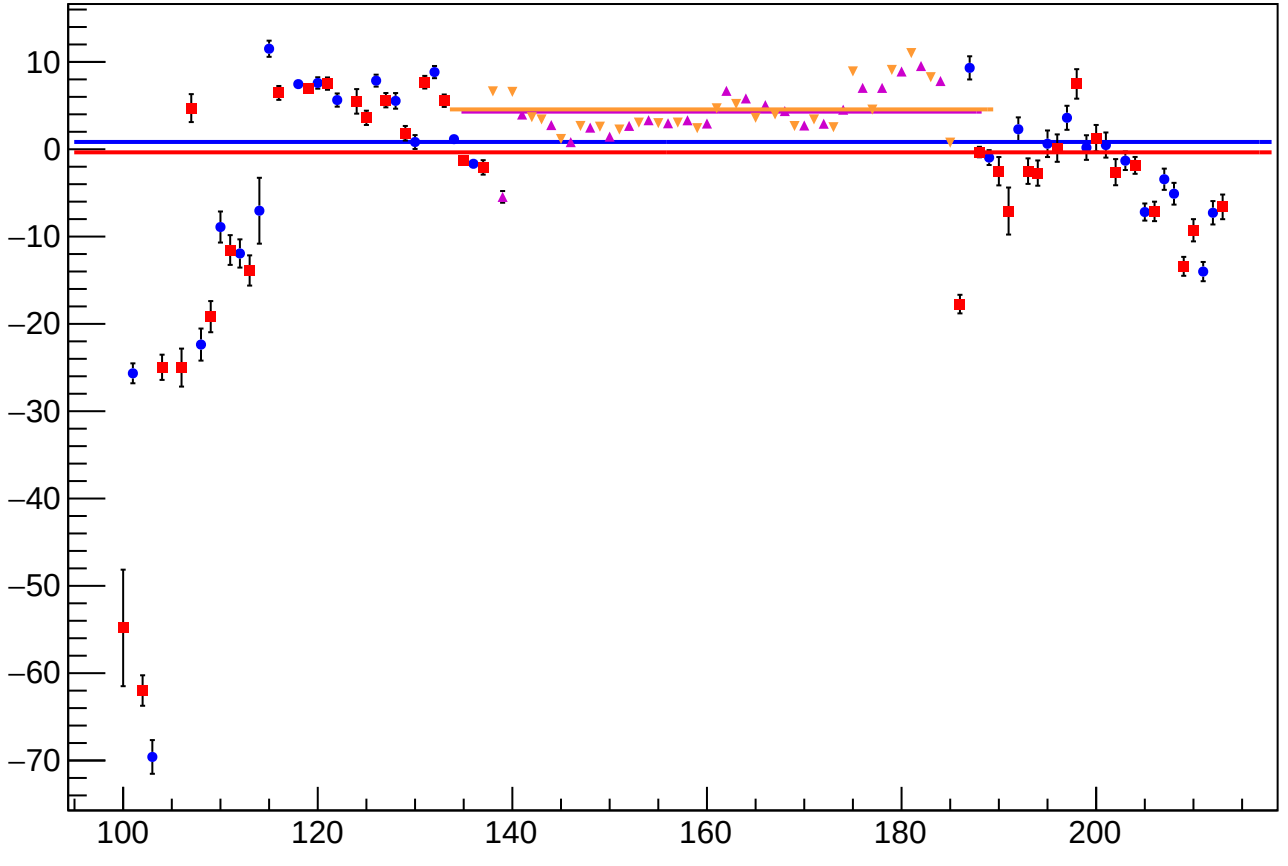
Right: -3.989+/-0.103 χ^2/NDF: 12788.1/62

In: -10.568+/-0.051 χ^2/NDF:12833.9/51

Out: -10.657+/-0.050 χ^2/NDF:26467.0/58

All: -10.614+/-0.035 χ^2/NDF: 39302.5/110

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.836+/-0.164 χ^2/NDF: 3245.0/28

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

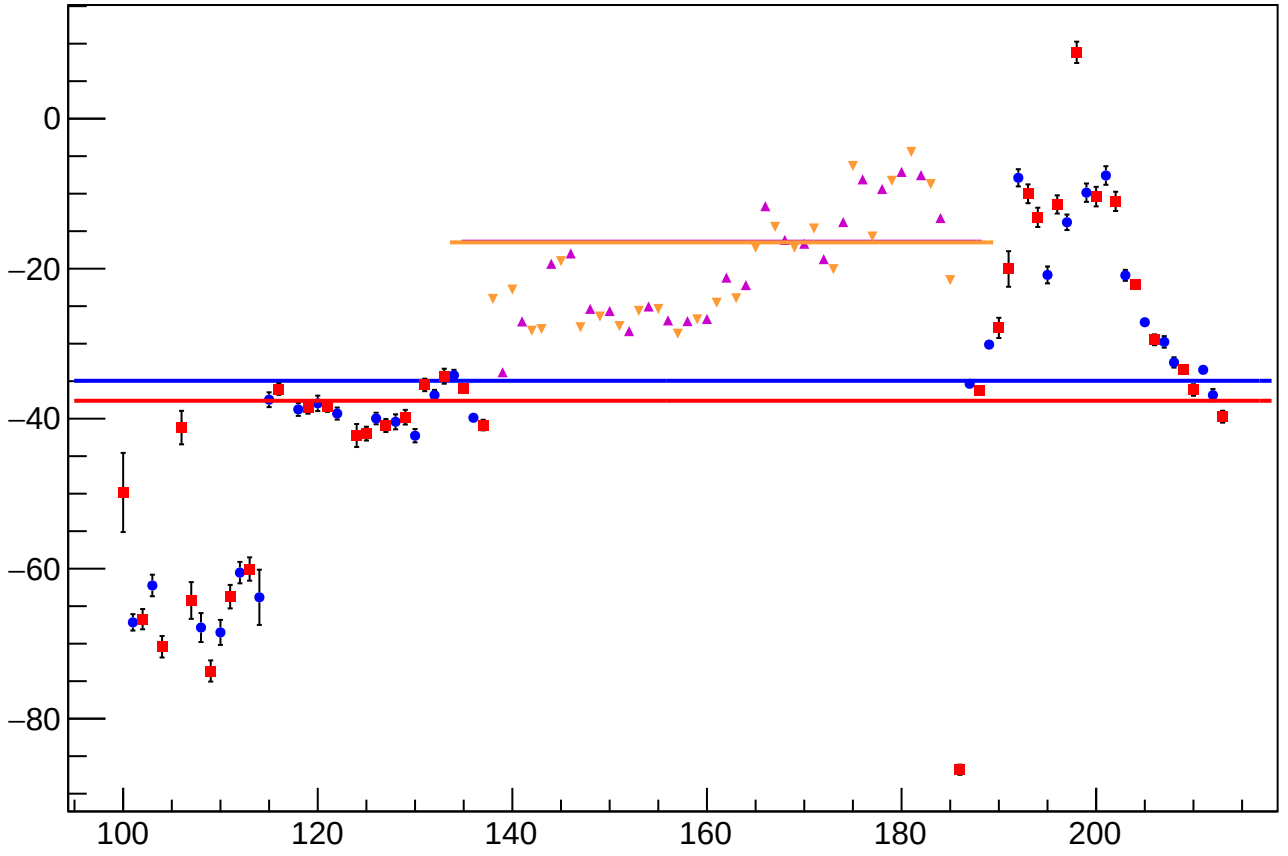
Right: 0.270+/-0.119 χ^2/NDF: 6469.0/62

In: 4.094+/-0.041 χ^2/NDF:7273.2/51

Out: 4.296+/-0.040 χ^2/NDF:8325.3/58

All: 4.196+/-0.029 χ^2/NDF: 15610.9/110

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.949+/-0.150 χ^2/NDF: 5395.2/28

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

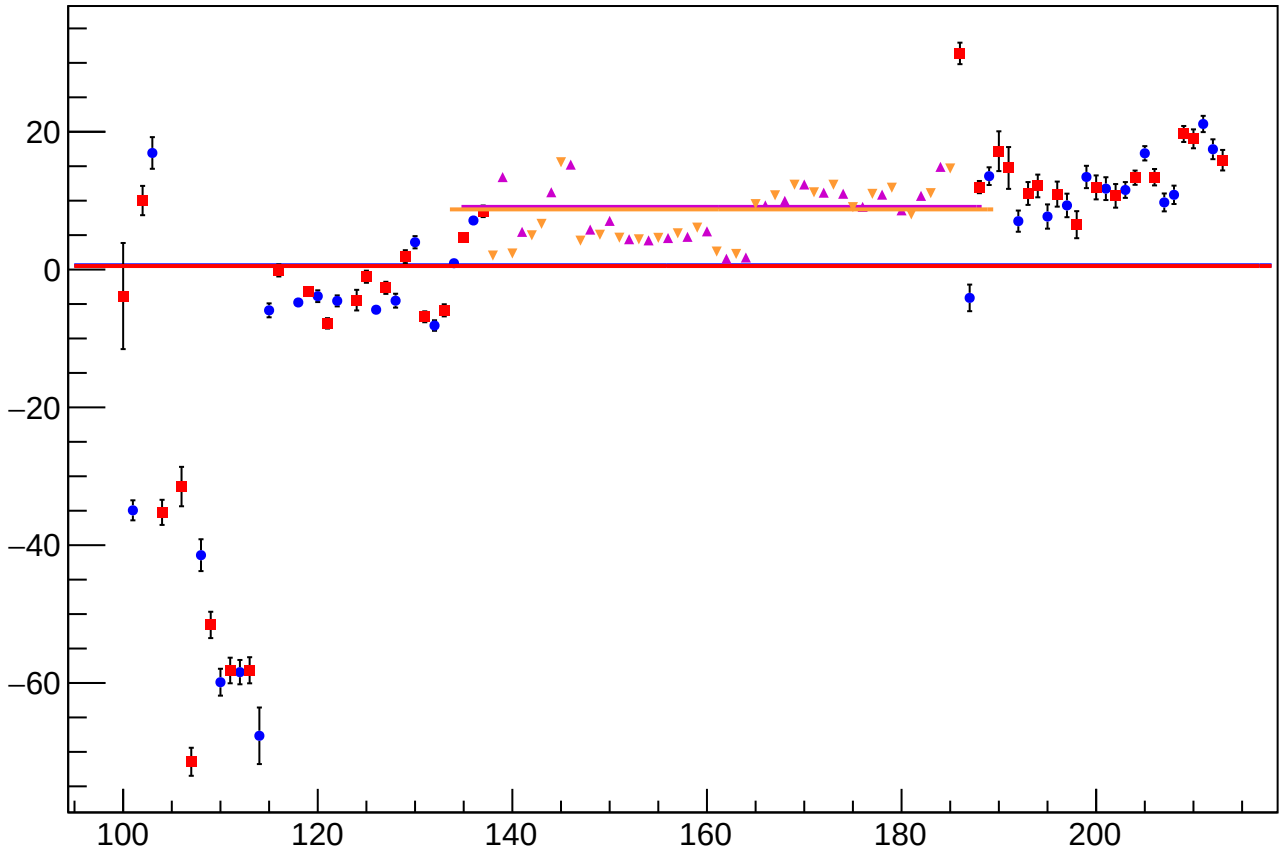
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -36.291+/-0.106 χ^2/NDF: 17373.8/62

In: -18.513+/-0.051 χ^2/NDF:36890.1/51

Out: -18.838+/-0.050 χ^2/NDF:51583.5/58

All: -18.678+/-0.036 χ^2/NDF: 88494.5/110



Right In: 0.620+/-0.184 χ^2/NDF: 5171.2/28

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

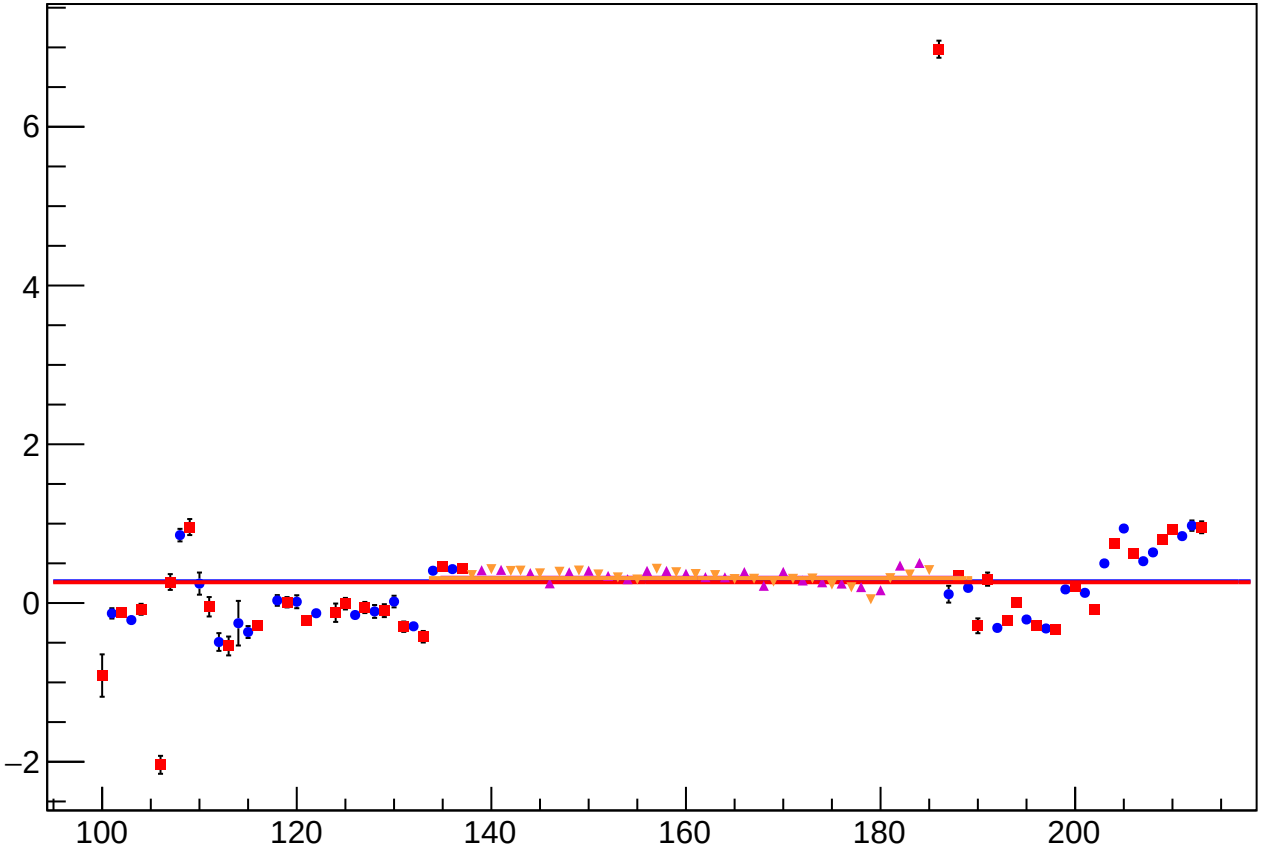
Right: 0.570+/-0.134 χ^2/NDF: 11774.3/62

In: 8.576+/-0.046 χ^2/NDF:12900.3/51

Out: 8.305+/-0.045 χ^2/NDF:15134.4/58

All: 8.438+/-0.032 χ^2/NDF: 28052.7/110

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.274+/-0.009 χ^2/NDF: 1459.1/28

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

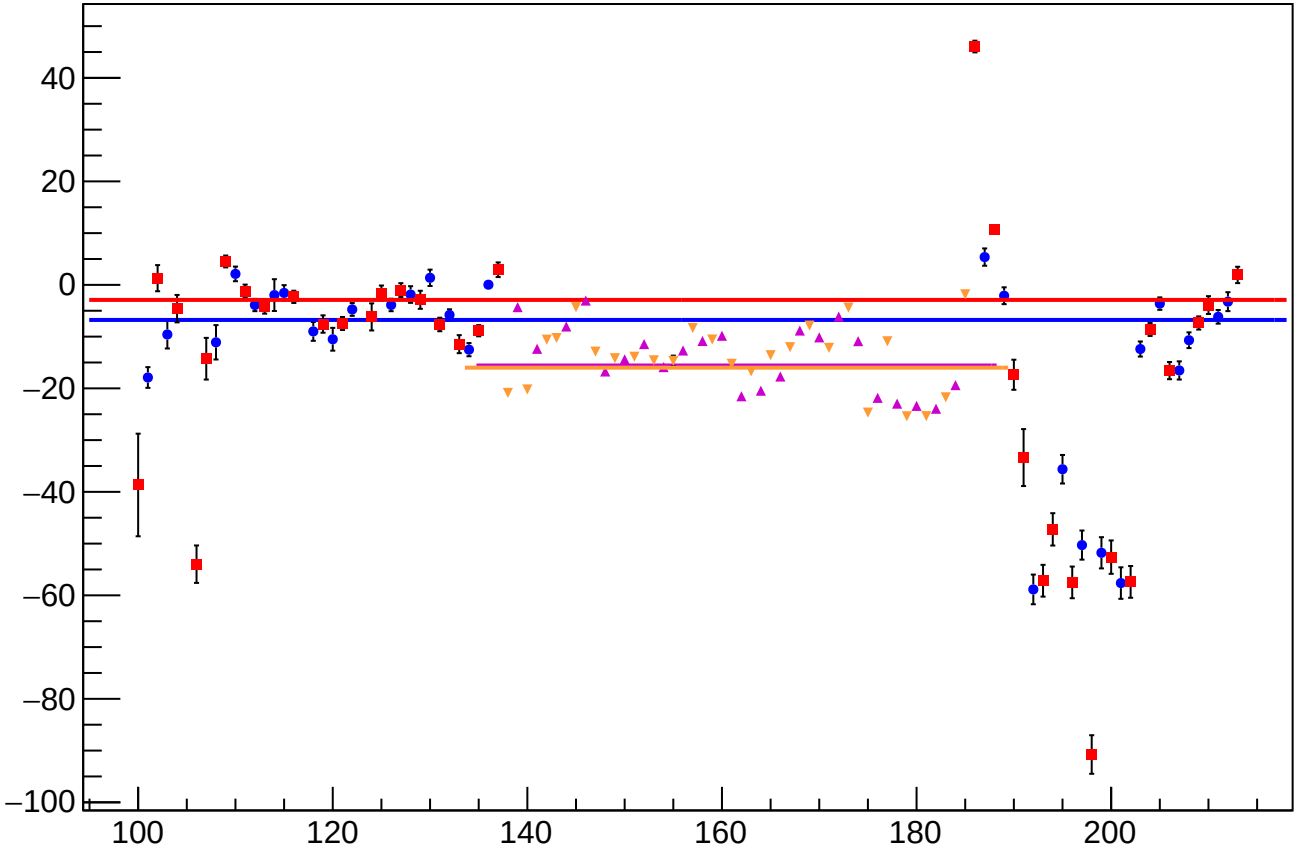
Right: 0.268+/-0.007 χ^2/NDF: 7310.1/62

In: 0.316+/-0.002 χ^2/NDF:3270.1/51

Out: 0.312+/-0.002 χ^2/NDF:7479.4/58

All: 0.314+/-0.001 χ^2/NDF: 10752.1/110

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.777+/-0.283 χ^2/NDF: 1560.5/28

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

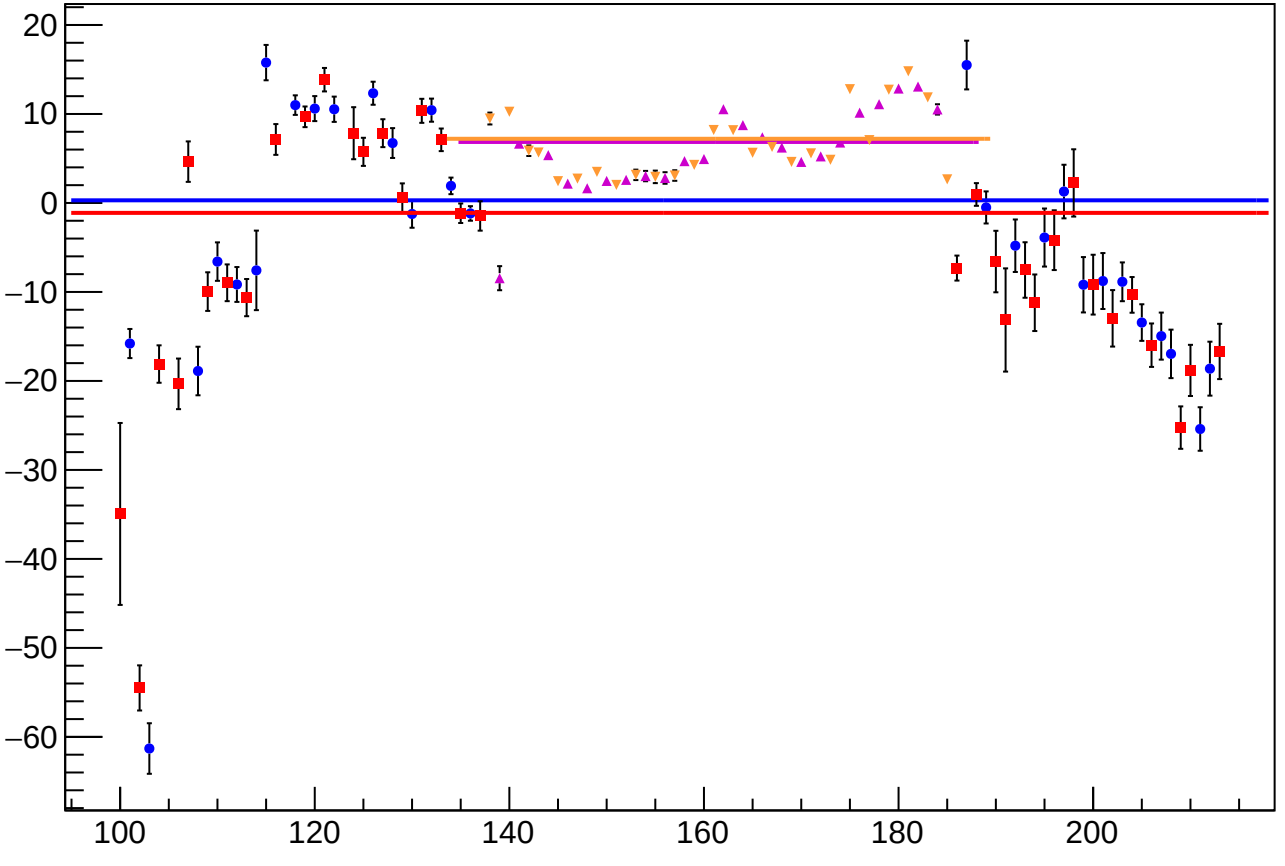
Right: -4.806+/-0.198 χ^2/NDF: 6244.3/62

In: -14.571+/-0.096 χ^2/NDF:7176.6/51

Out: -14.515+/-0.094 χ^2/NDF:12520.3/58

All: -14.542+/-0.067 χ^2/NDF: 19697.1/110

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.297+/-0.319 χ^2/NDF: 1422.2/28

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

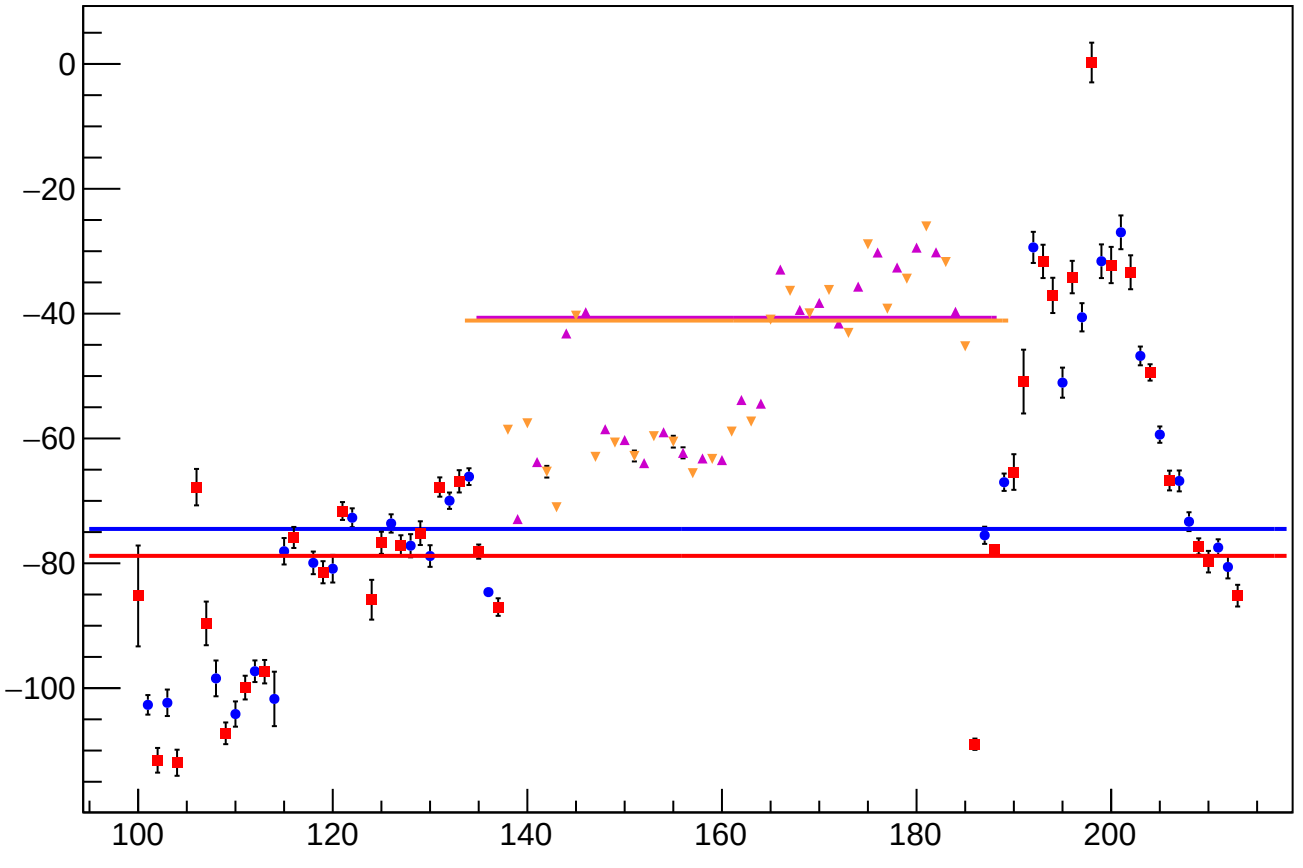
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: -0.390+/-0.229 χ^2/NDF: 2757.4/62

In: 6.458+/-0.079 χ^2/NDF:3975.5/51

Out: 6.743+/-0.078 χ^2/NDF:4390.6/58

All: 6.602+/-0.055 χ^2/NDF: 8372.7/110



Right In: -74.495+/-0.297 χ^2/NDF: 3026.1/28

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.809+/-0.288 χ^2/NDF: 4934.1/33

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

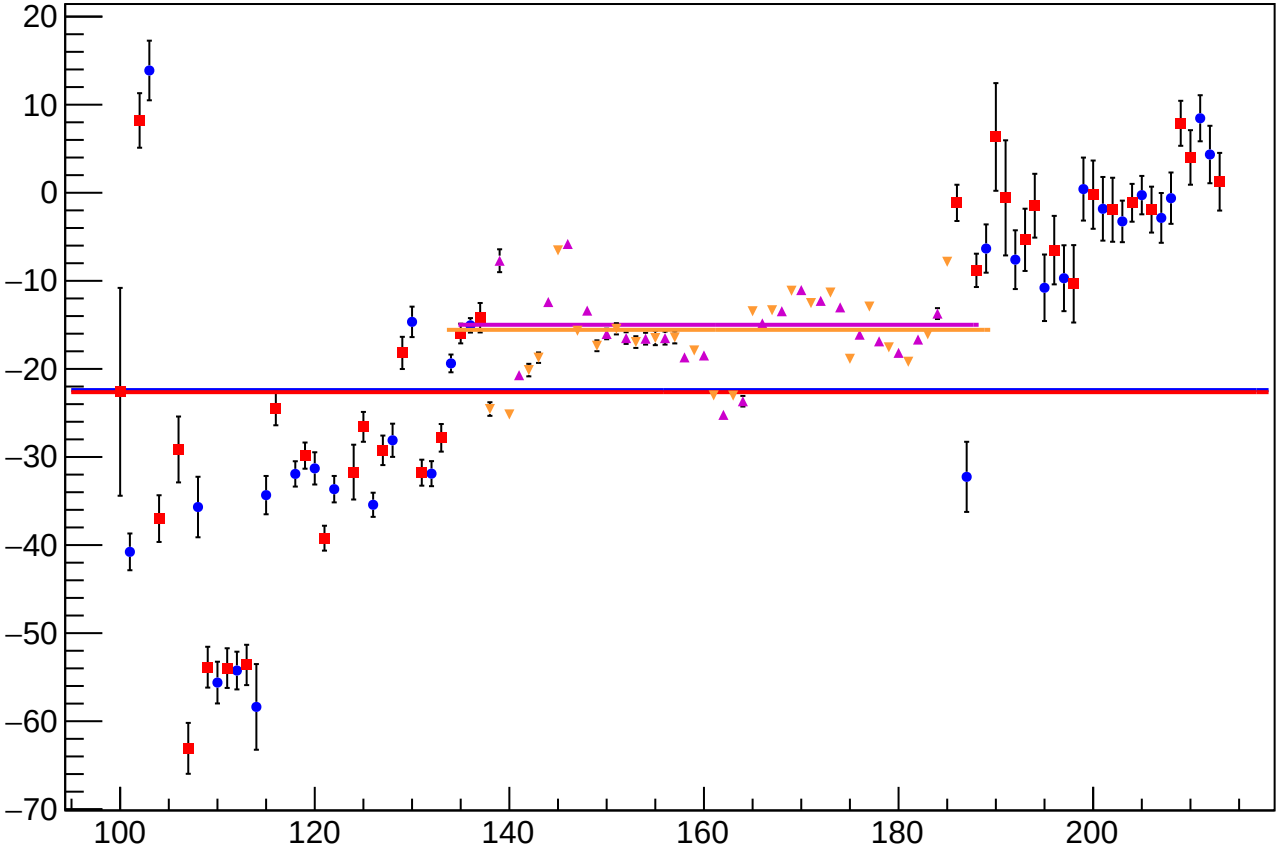
Right: -76.724+/-0.207 χ^2/NDF: 8069.0/62

In: -44.242+/-0.097 χ^2/NDF:28146.9/51

Out: -45.179+/-0.094 χ^2/NDF:36269.8/58

All: -44.721+/-0.068 χ^2/NDF: 64464.8/110

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -22.404+/-0.357 χ^2/NDF: 1720.4/28

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

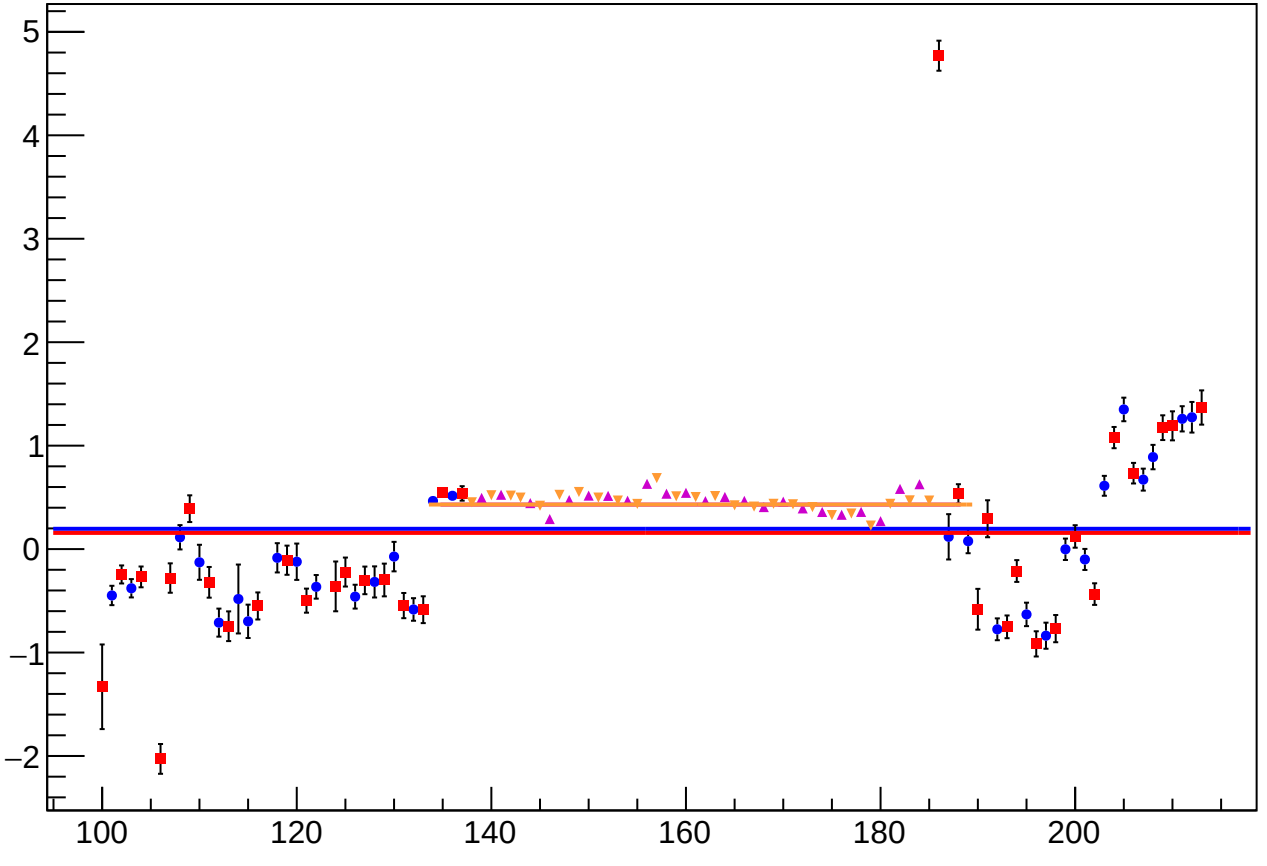
Right: -22.515+/-0.259 χ^2/NDF: 3692.9/62

In: -15.435+/-0.088 χ^2/NDF:4276.5/51

Out: -15.937+/-0.086 χ^2/NDF:4857.5/58

All: -15.689+/-0.062 χ^2/NDF: 9150.7/110

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.196+/-0.018 χ^2/NDF: 948.2/28

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

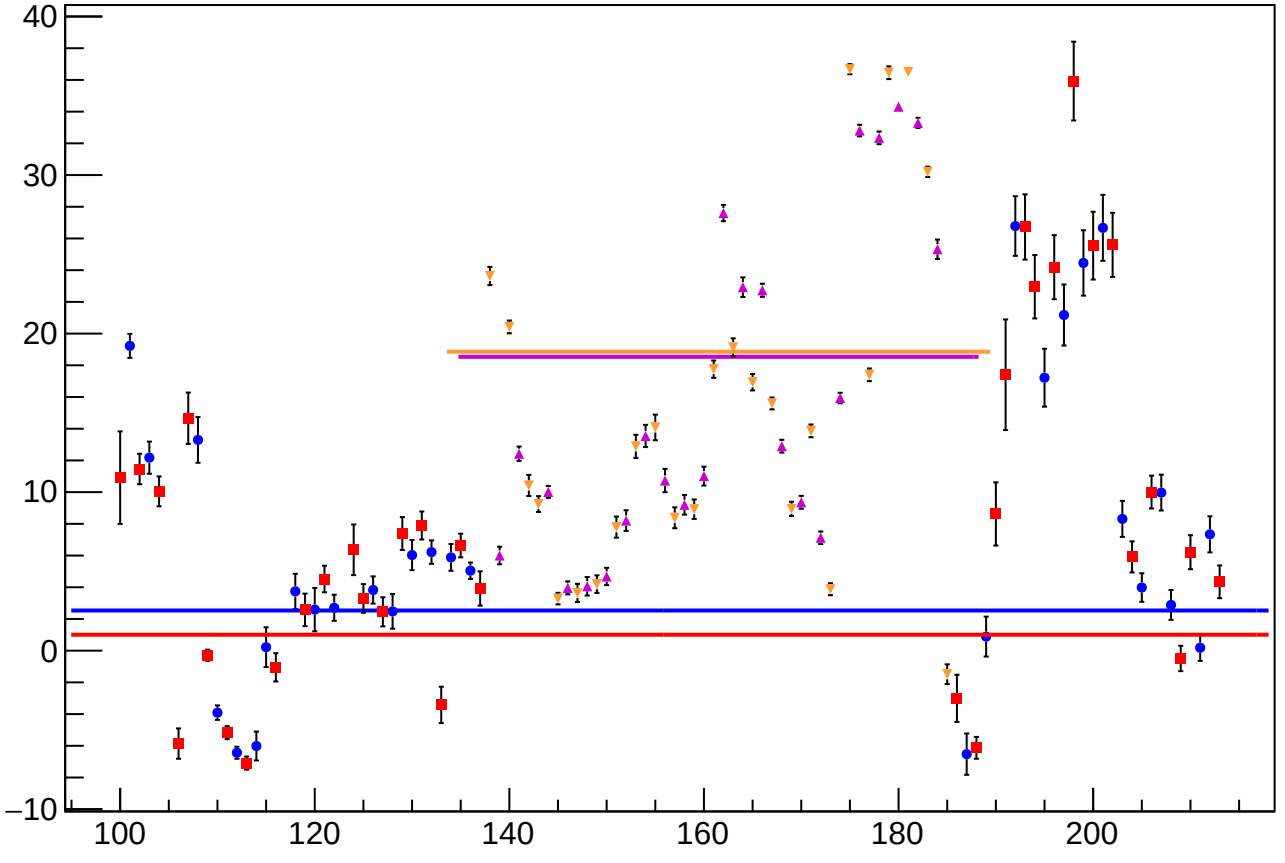
Right: 0.178+/-0.013 χ^2/NDF: 3140.2/62

In: 0.419+/-0.004 χ^2/NDF:1696.0/51

Out: 0.419+/-0.004 χ^2/NDF:2804.5/58

All: 0.419+/-0.003 χ^2/NDF: 4500.5/110

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.534+/-0.161 χ^2/NDF: 2279.9/28

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

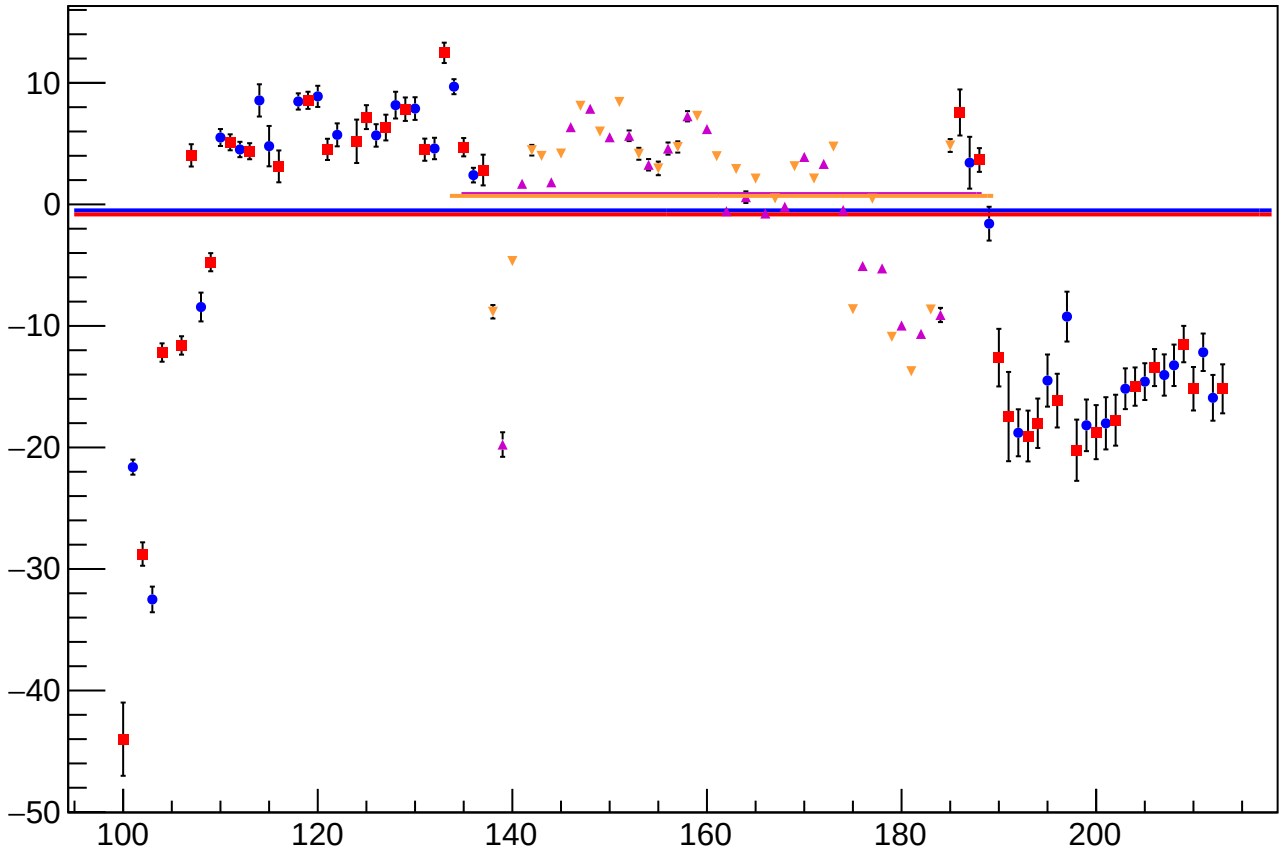
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.708+/-0.109 χ^2/NDF: 4693.9/62

In: 14.522+/-0.081 χ^2/NDF:23732.8/51

Out: 14.036+/-0.077 χ^2/NDF:31270.6/58

All: 14.268+/-0.056 χ^2/NDF: 55022.3/110



Right In: -0.492+/-0.188 χ^2/NDF: 3869.7/28

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

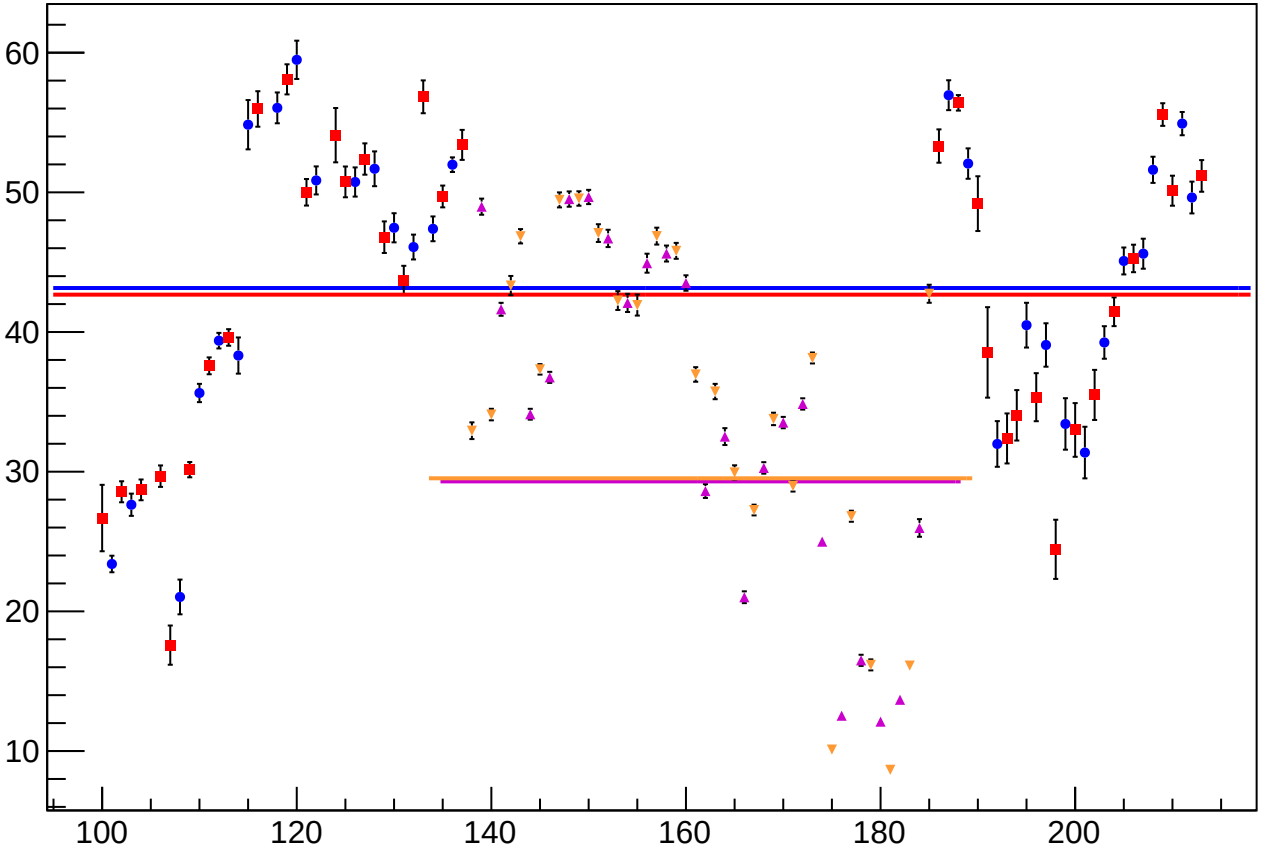
Right: -0.662+/-0.132 χ^2/NDF: 7106.9/62

In: 0.674+/-0.068 χ^2/NDF:9959.2/51

Out: 0.508+/-0.066 χ^2/NDF:11532.9/58

All: 0.589+/-0.047 χ^2/NDF: 21495.2/110

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 43.150+/-0.177 χ^2/NDF: 3506.7/28

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

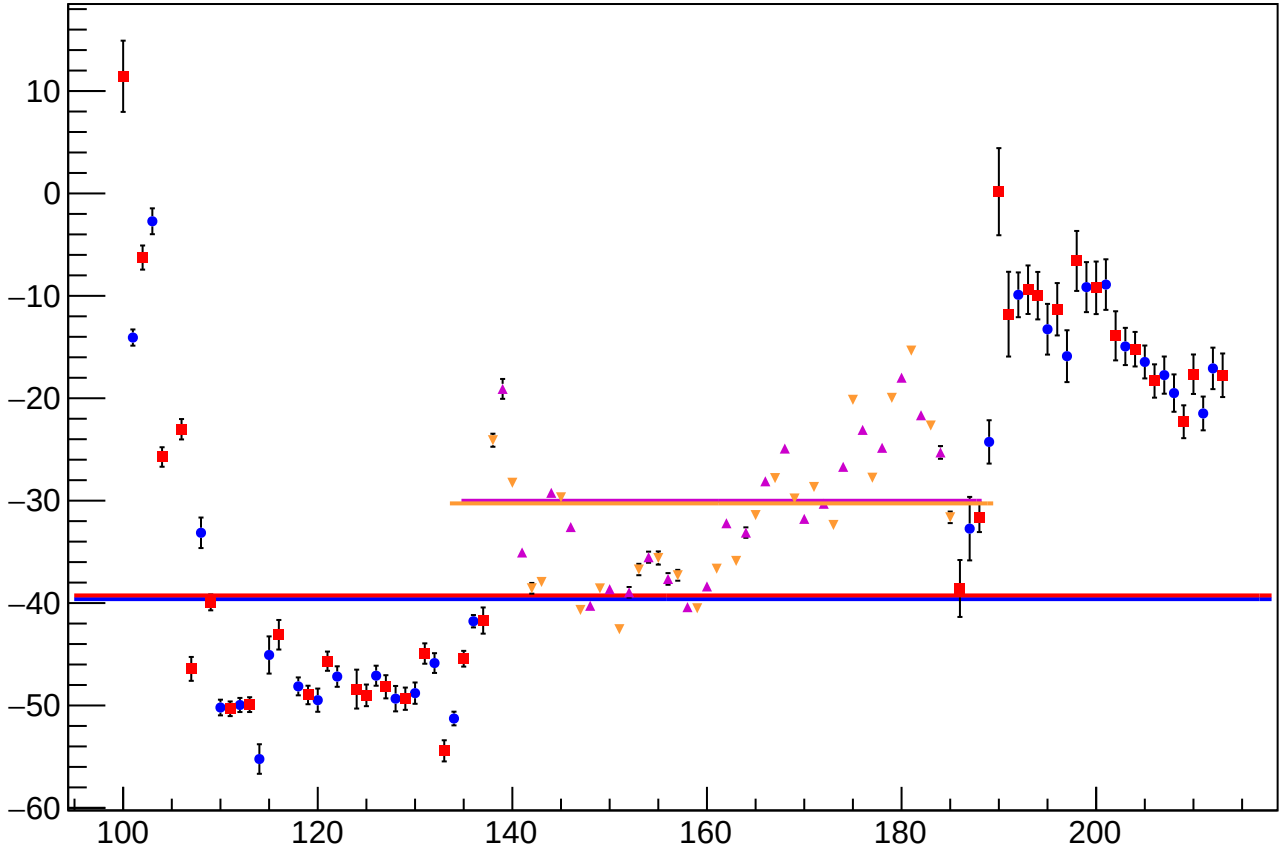
Right: 42.901+/-0.122 χ^2/NDF: 7626.4/62

In: 32.315+/-0.082 χ^2/NDF:26184.7/51

Out: 32.492+/-0.080 χ^2/NDF:29952.7/58

All: 32.407+/-0.057 χ^2/NDF: 56139.8/110

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -39.615+/-0.213 χ^2/NDF: 4898.3/28

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

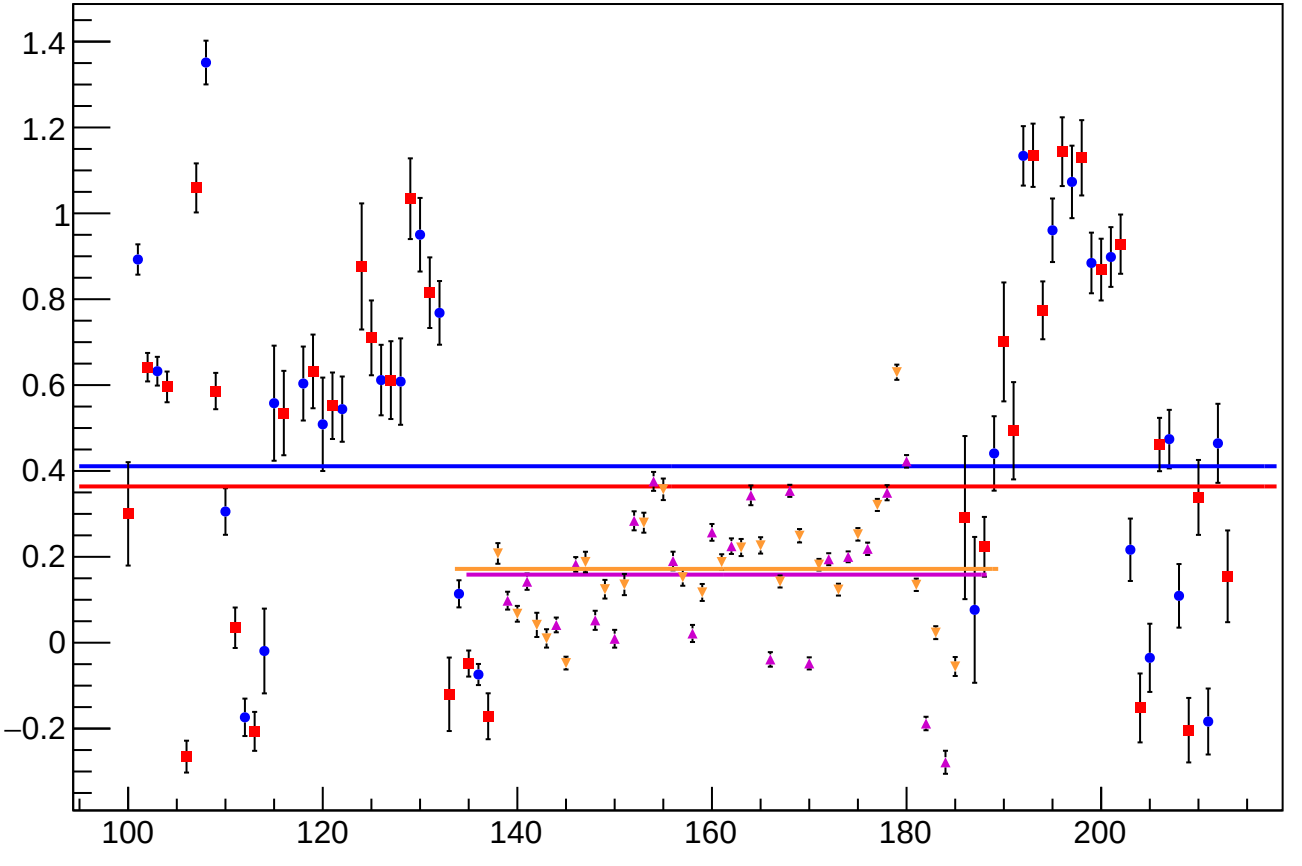
Right: -39.434+/-0.150 χ^2/NDF: 9279.8/62

In: -31.236+/-0.076 χ^2/NDF:12760.3/51

Out: -31.374+/-0.074 χ^2/NDF:14463.3/58

All: -31.307+/-0.053 χ^2/NDF: 27225.3/110

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.411+/-0.011 χ^2/NDF: 1773.4/28

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

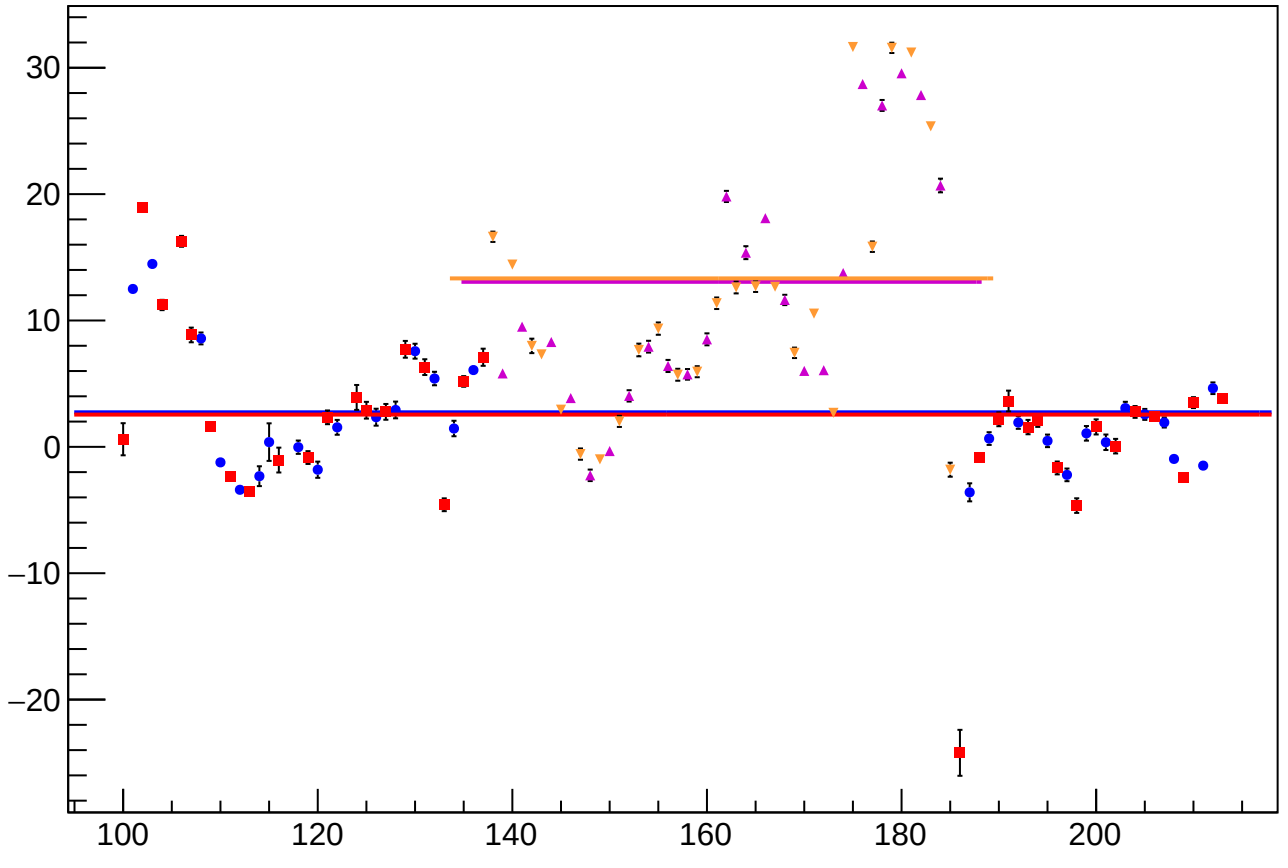
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.387+/-0.007 χ^2/NDF: 3567.7/62

In: 0.185+/-0.003 χ^2/NDF:4466.1/51

Out: 0.192+/-0.003 χ^2/NDF:3586.5/58

All: 0.188+/-0.002 χ^2/NDF: 8054.5/110



Right In: 2.732+/-0.087 χ^2/NDF: 3351.8/28

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

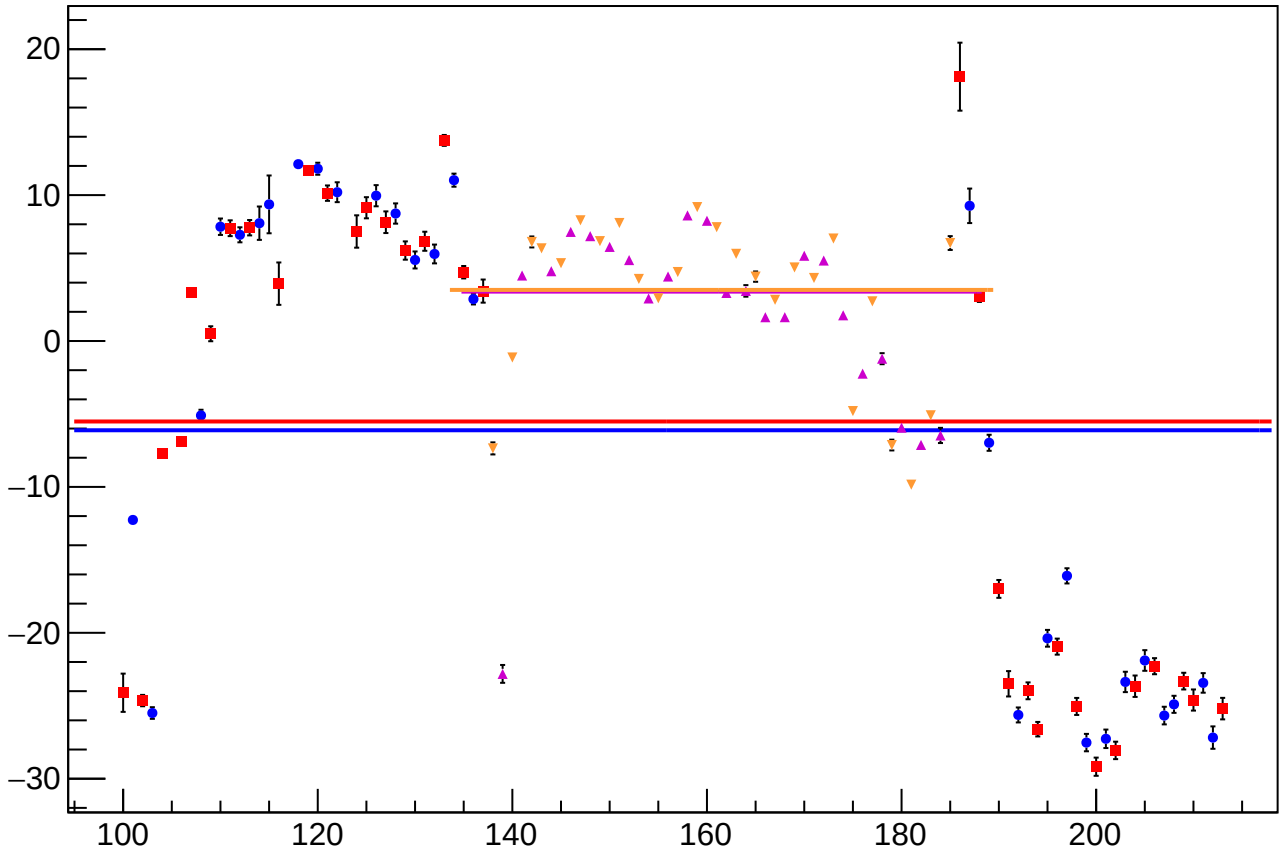
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 2.635+/-0.059 χ^2/NDF: 8752.7/62

In: 8.347+/-0.058 χ^2/NDF:26650.9/51

Out: 8.122+/-0.055 χ^2/NDF:34355.6/58

All: 8.228+/-0.040 χ^2/NDF: 61014.3/110



Right In: -6.118+/-0.096 χ^2/NDF: 23536.8/28

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

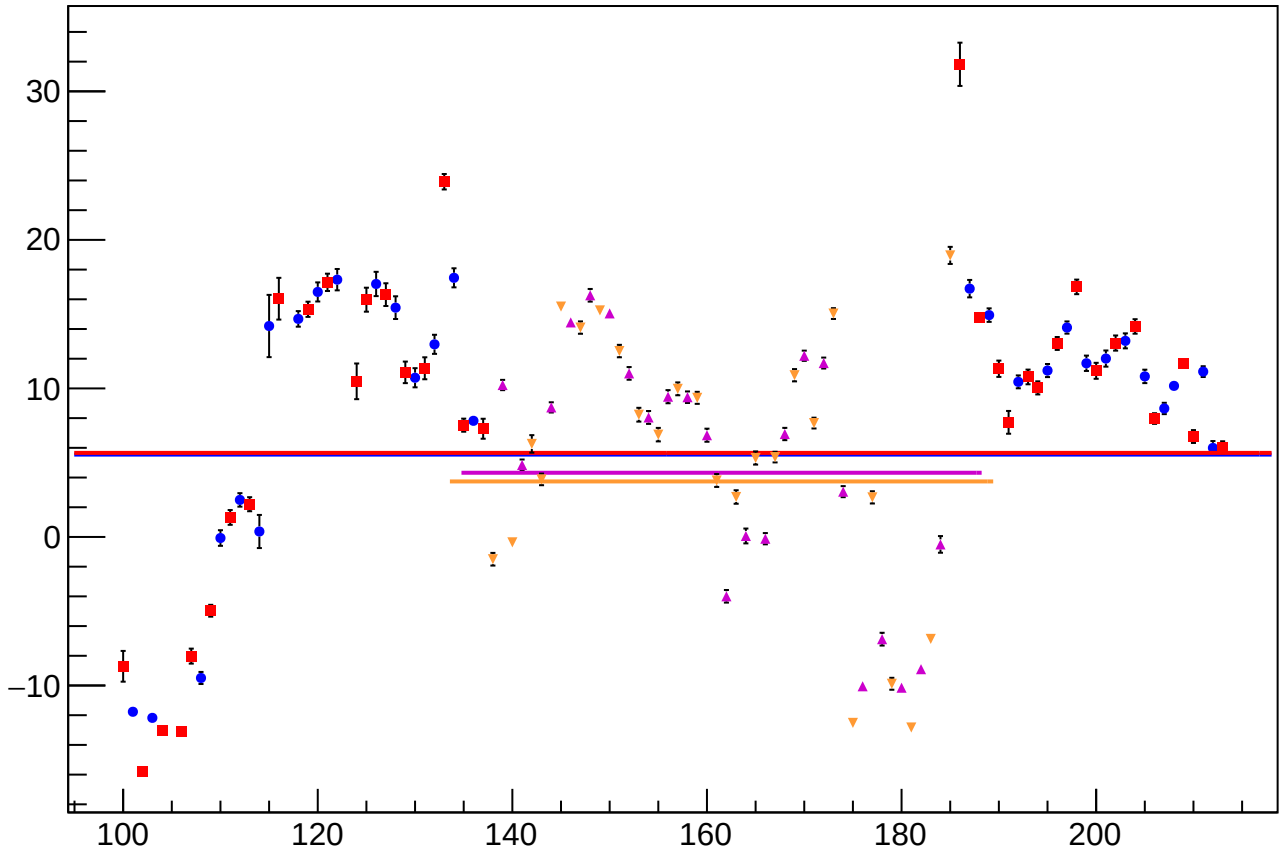
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -5.797+/-0.066 χ^2/NDF: 49848.0/62

In: 0.663+/-0.052 χ^2/NDF:37195.4/51

Out: 0.829+/-0.049 χ^2/NDF:41231.2/58

All: 0.750+/-0.036 χ^2/NDF: 78432.1/110



Right In: 5.545+/-0.085 χ^2/NDF: 14121.3/28

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

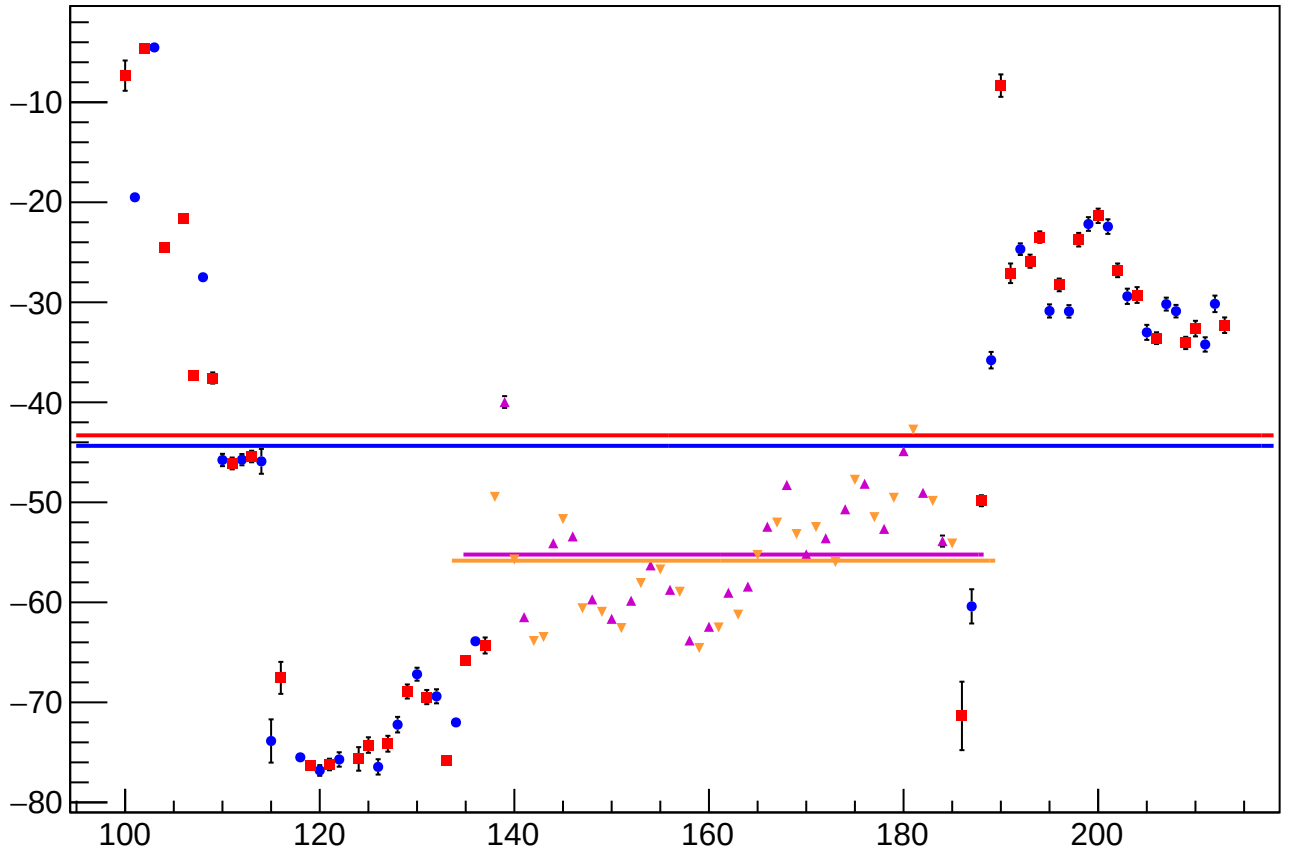
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 5.607+/-0.058 χ^2/NDF: 34518.6/62

In: 4.886+/-0.058 χ^2/NDF:26716.2/51

Out: 4.676+/-0.055 χ^2/NDF:36291.8/58

All: 4.775+/-0.040 χ^2/NDF: 63015.1/110



Right In: -44.352+/-0.112 χ^2/NDF: 42572.2/28

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

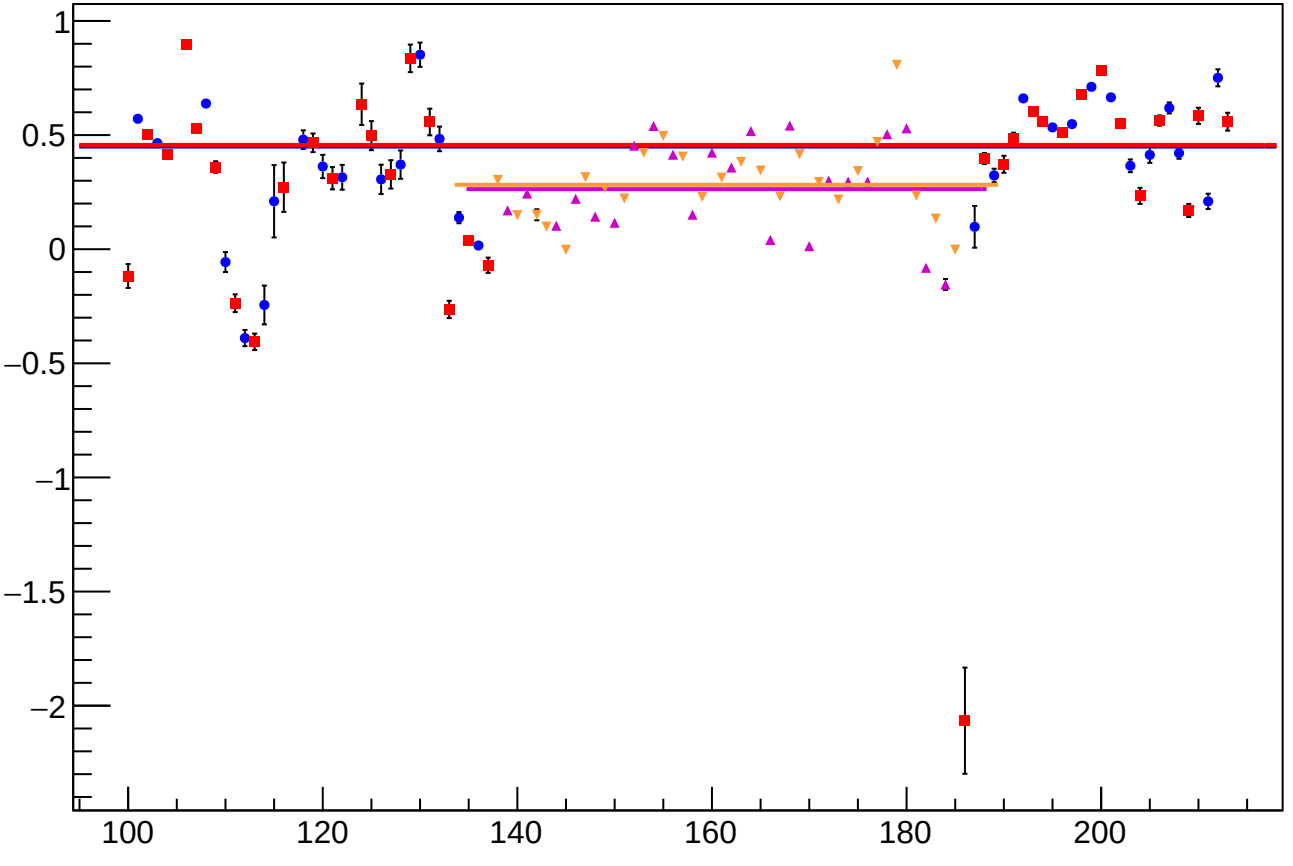
Right: -43.800+/-0.077 χ^2/NDF: 86617.5/62

In: -52.249+/-0.059 χ^2/NDF:55761.6/51

Out: -52.322+/-0.056 χ^2/NDF:61583.4/58

All: -52.287+/-0.041 χ^2/NDF: 117345.8/110

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.450+/-0.005 χ^2/NDF: 2724.2/28

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

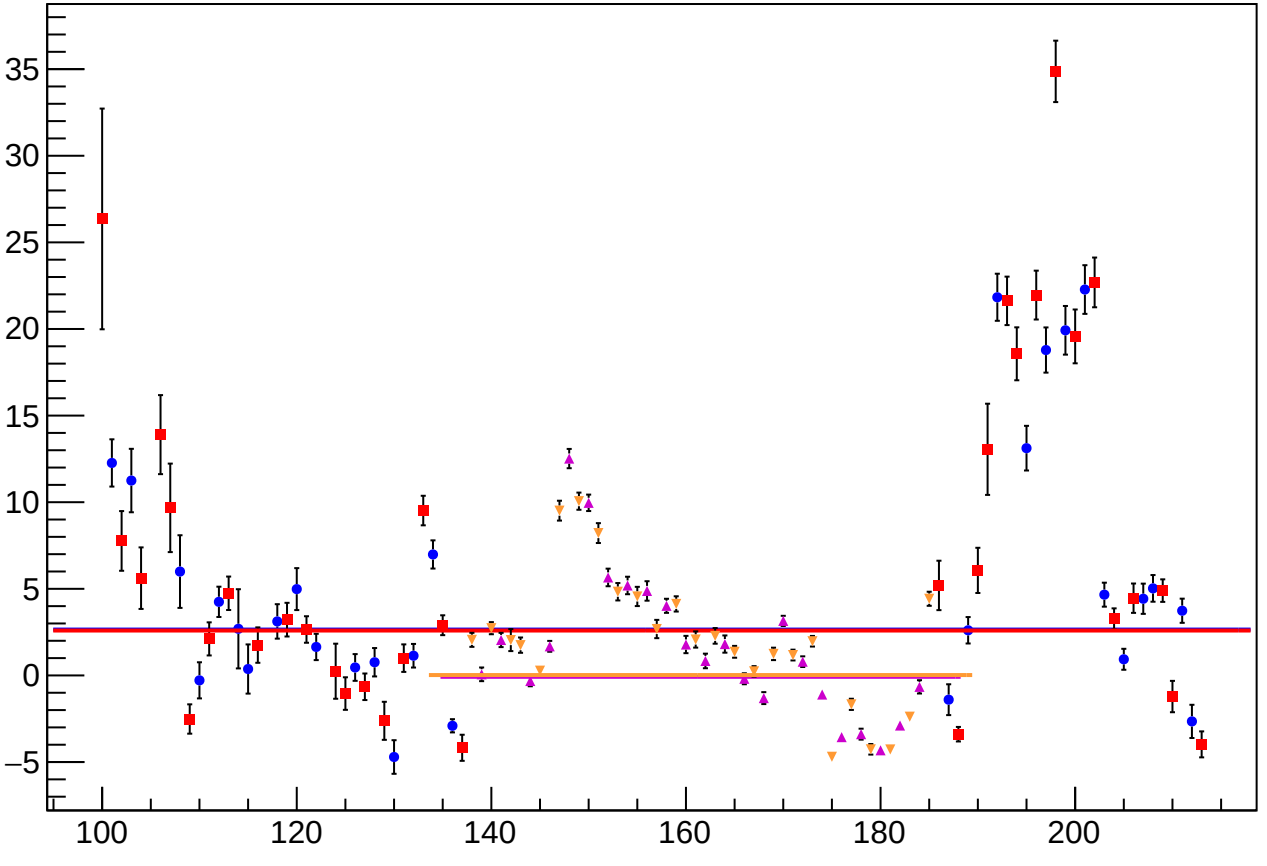
Right: 0.454+/-0.003 χ^2/NDF: 6495.2/62

In: 0.319+/-0.003 χ^2/NDF:7683.9/51

Out: 0.337+/-0.002 χ^2/NDF:7571.2/58

All: 0.328+/-0.002 χ^2/NDF: 15283.1/110

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.648+/-0.160 χ^2/NDF: 1258.5/28

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

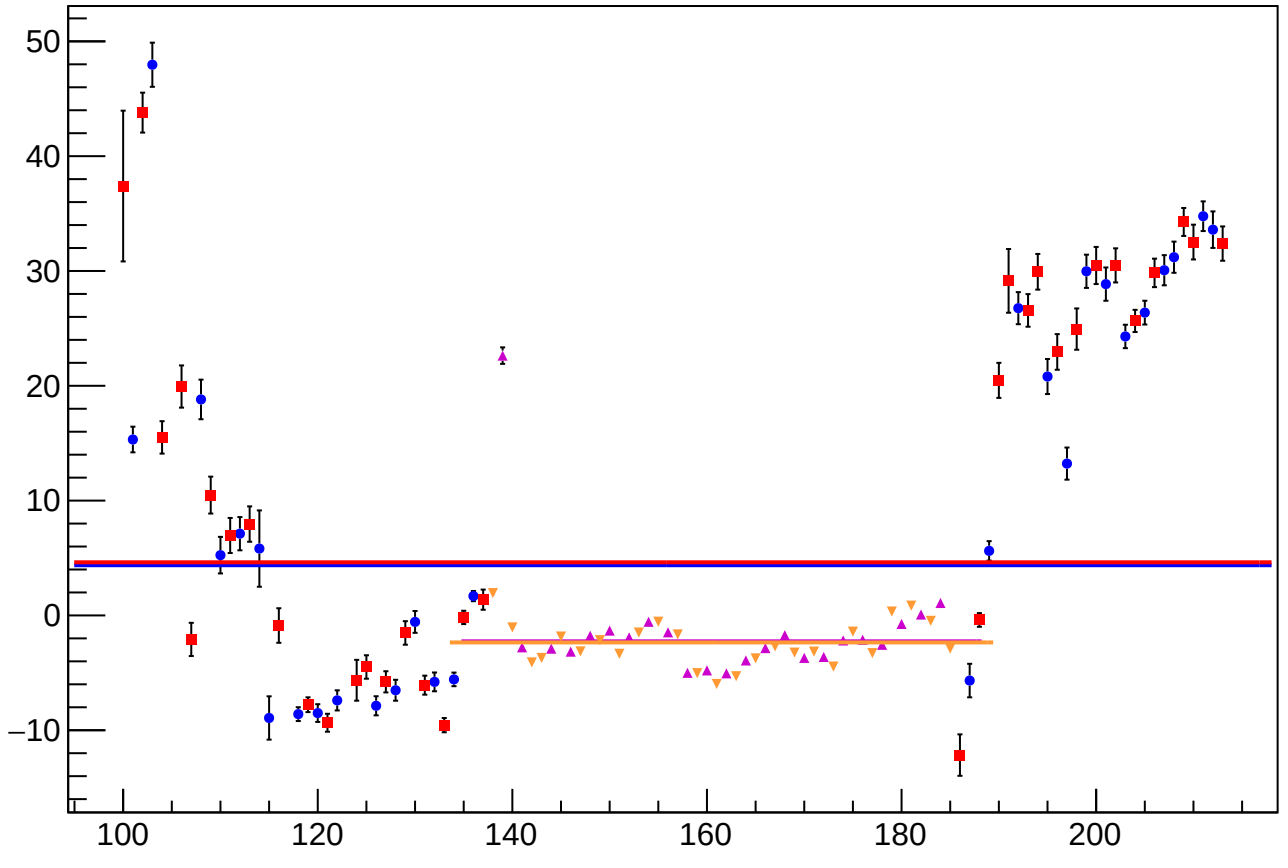
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 2.620+/-0.113 χ^2/NDF: 3040.7/62

In: 0.364+/-0.065 χ^2/NDF:3965.1/51

Out: 0.422+/-0.063 χ^2/NDF:4760.0/58

All: 0.393+/-0.045 χ^2/NDF: 8725.5/110



Right In: 4.373+/-0.183 χ^2/NDF: 6074.0/28

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

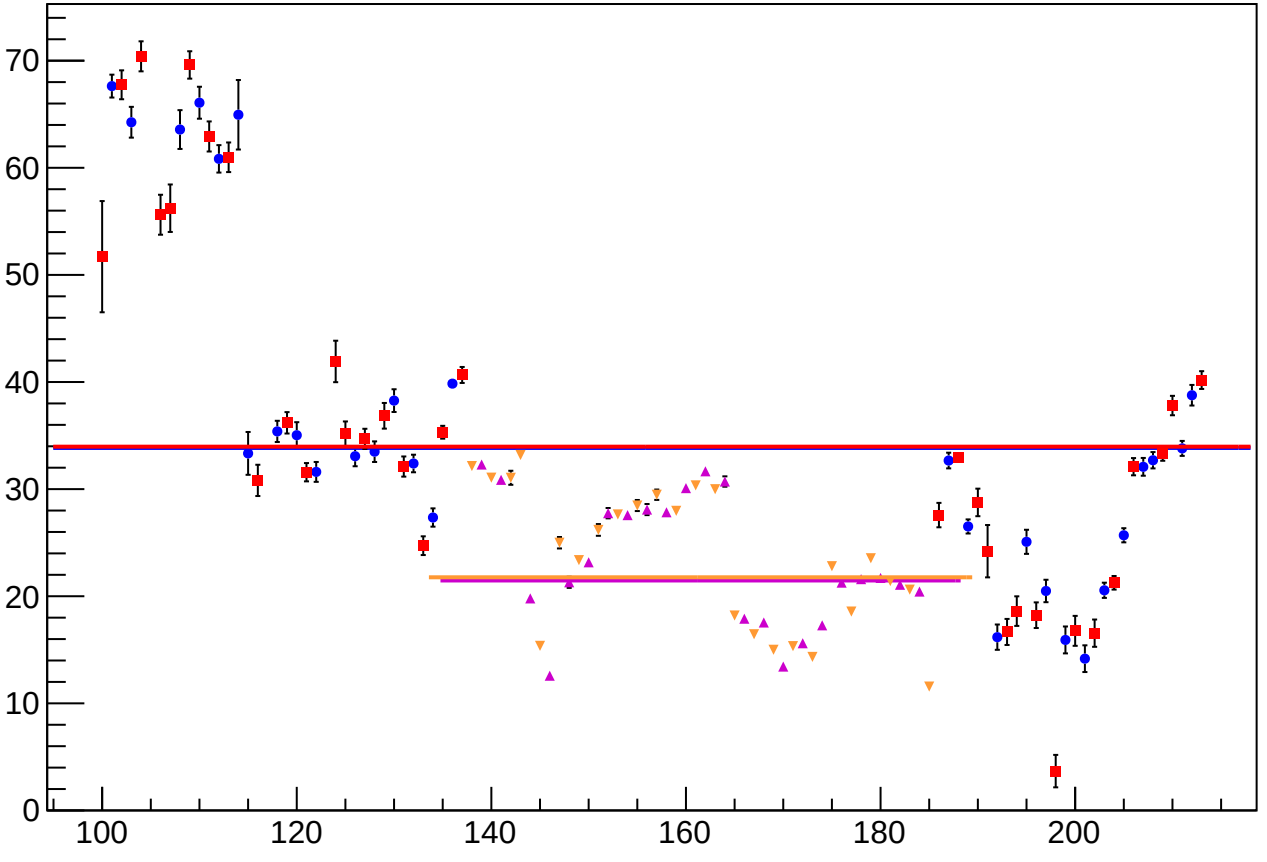
Right: 4.497+/-0.131 χ^2/NDF: 12367.1/62

In: -1.682+/-0.054 χ^2/NDF:9149.9/51

Out: -1.796+/-0.053 χ^2/NDF:8695.8/58

All: -1.740+/-0.038 χ^2/NDF: 17848.0/110

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 33.847+/-0.164 χ^2/NDF: 4613.7/28

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

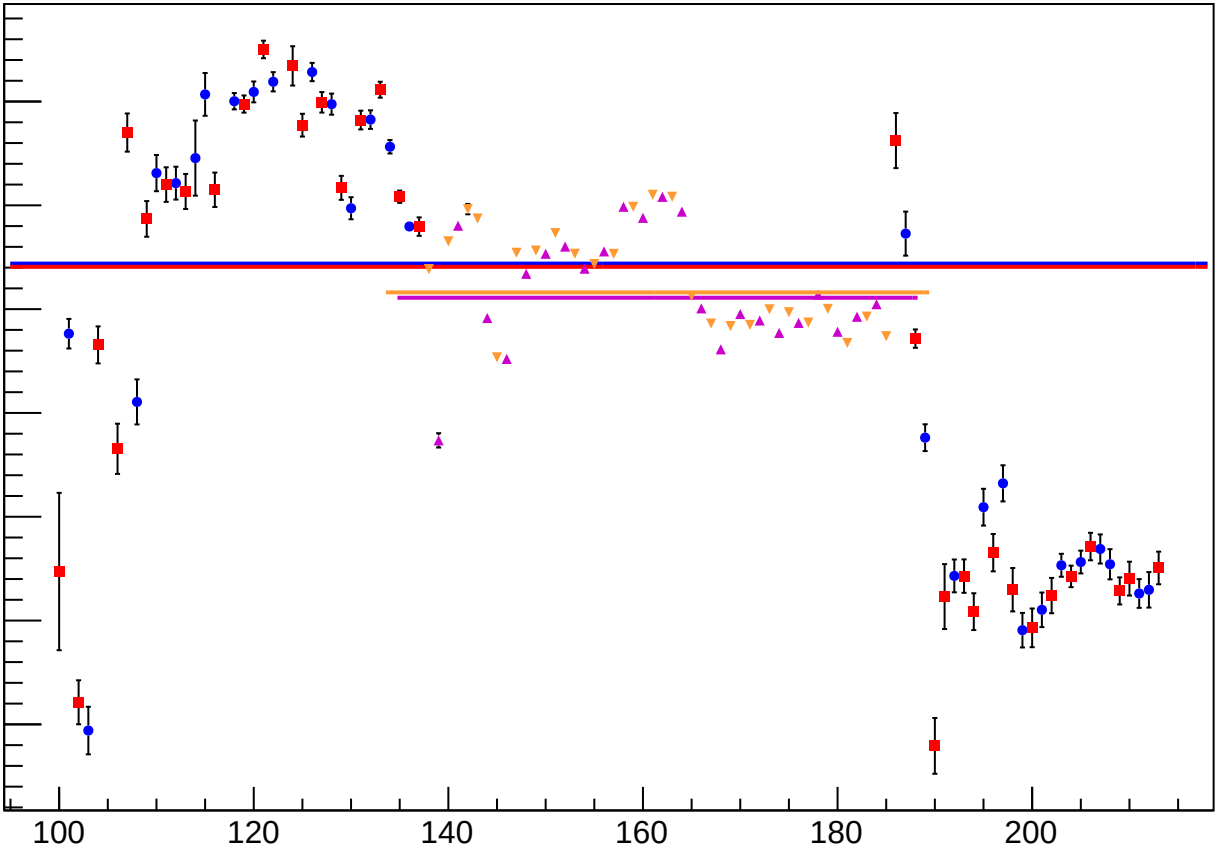
Right: 33.906+/-0.115 χ^2/NDF: 9782.1/62

In: 23.404+/-0.065 χ^2/NDF:15196.9/51

Out: 23.658+/-0.063 χ^2/NDF:16843.1/58

All: 23.534+/-0.045 χ^2/NDF: 32047.9/110

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.386+/-0.206 χ^2/NDF: 7615.2/28

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

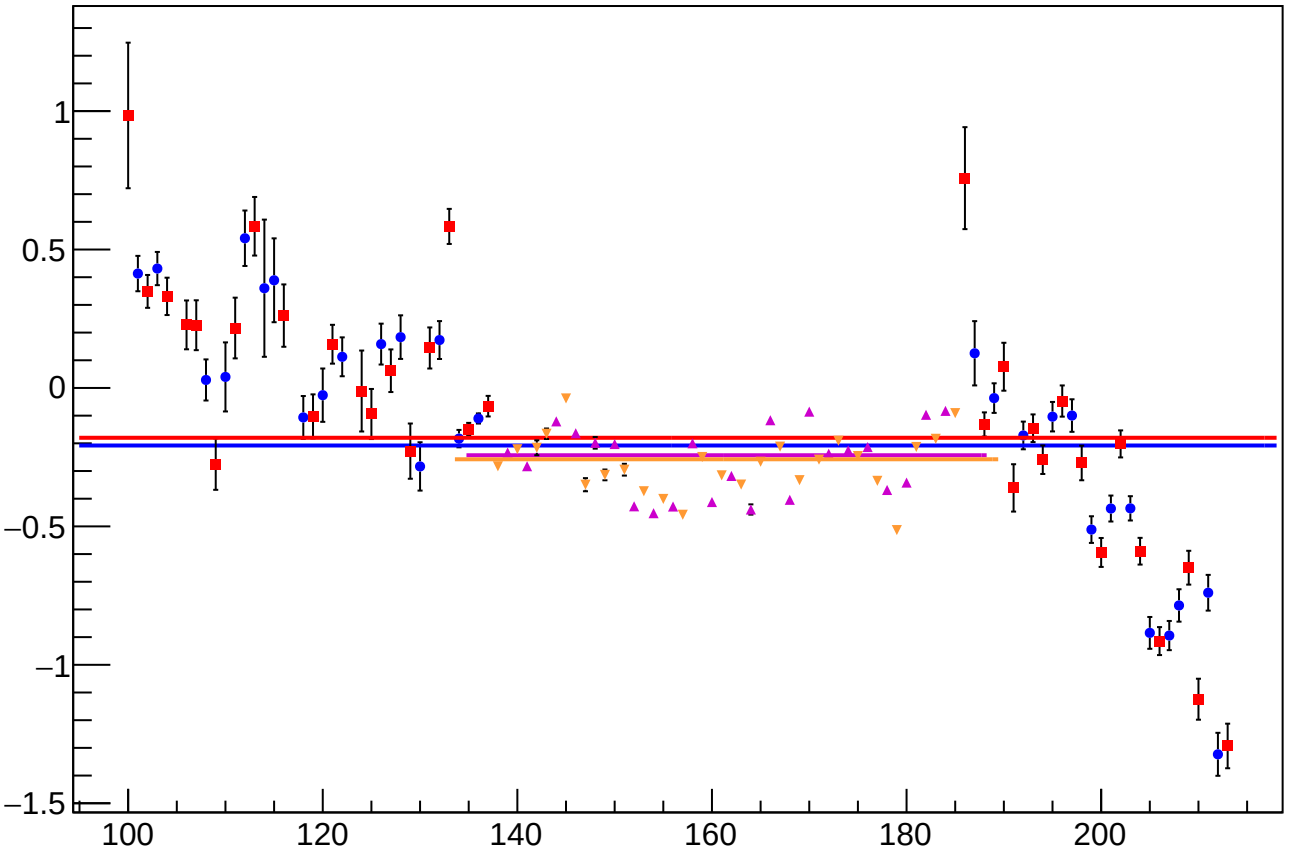
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 44.238+/-0.149 χ^2/NDF: 15454.8/62

In: 41.376+/-0.060 χ^2/NDF:13326.6/51

Out: 41.798+/-0.059 χ^2/NDF:13735.9/58

All: 41.591+/-0.042 χ^2/NDF: 27087.7/110



Right In: -0.208+/-0.010 χ^2/NDF: 1231.4/28

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.180+/-0.010 χ^2/NDF: 1301.9/33

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

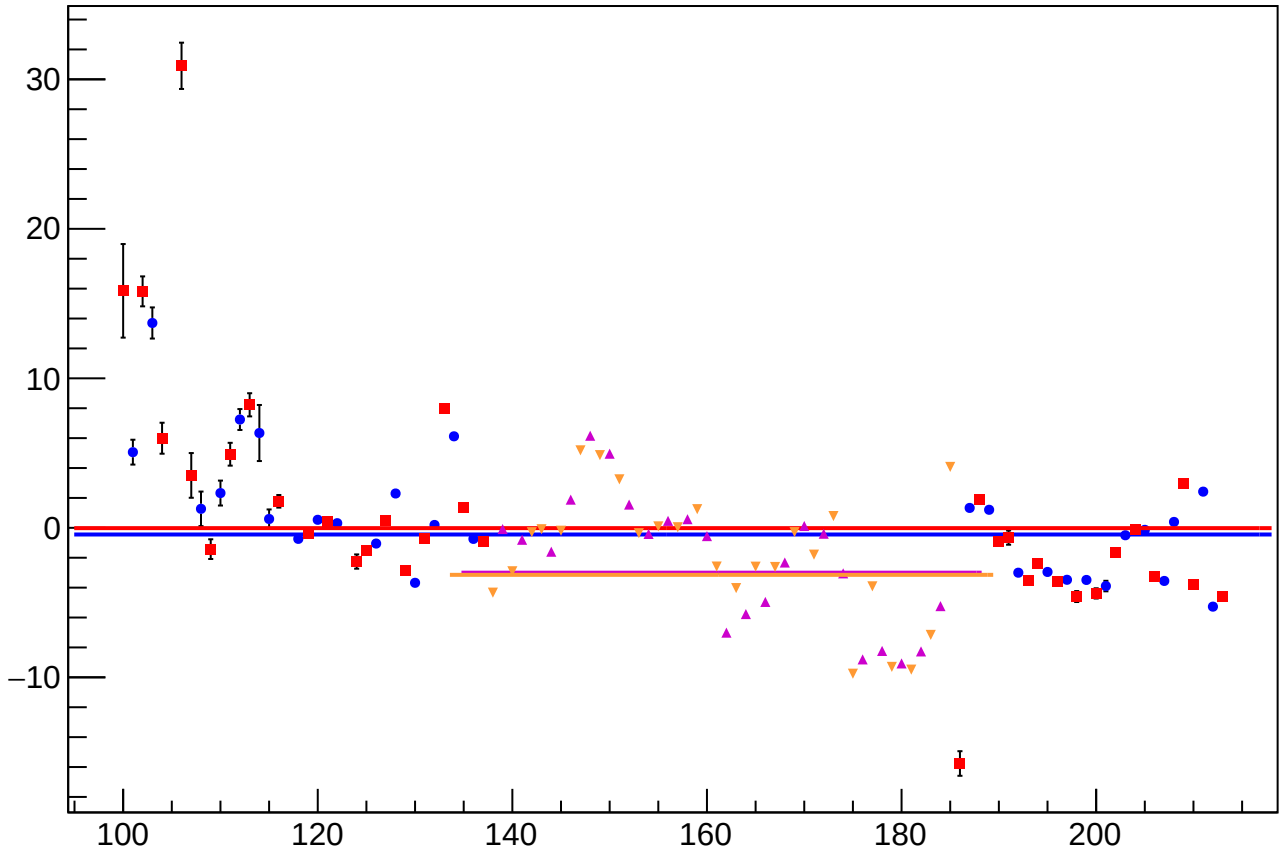
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.195+/-0.007 χ^2/NDF: 2537.2/62

In: -0.240+/-0.003 χ^2/NDF:3055.1/51

Out: -0.253+/-0.003 χ^2/NDF:2869.5/58

All: -0.247+/-0.002 χ^2/NDF: 5935.1/110



Right In: -0.446+/-0.049 χ^2/NDF: 2685.8/28

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

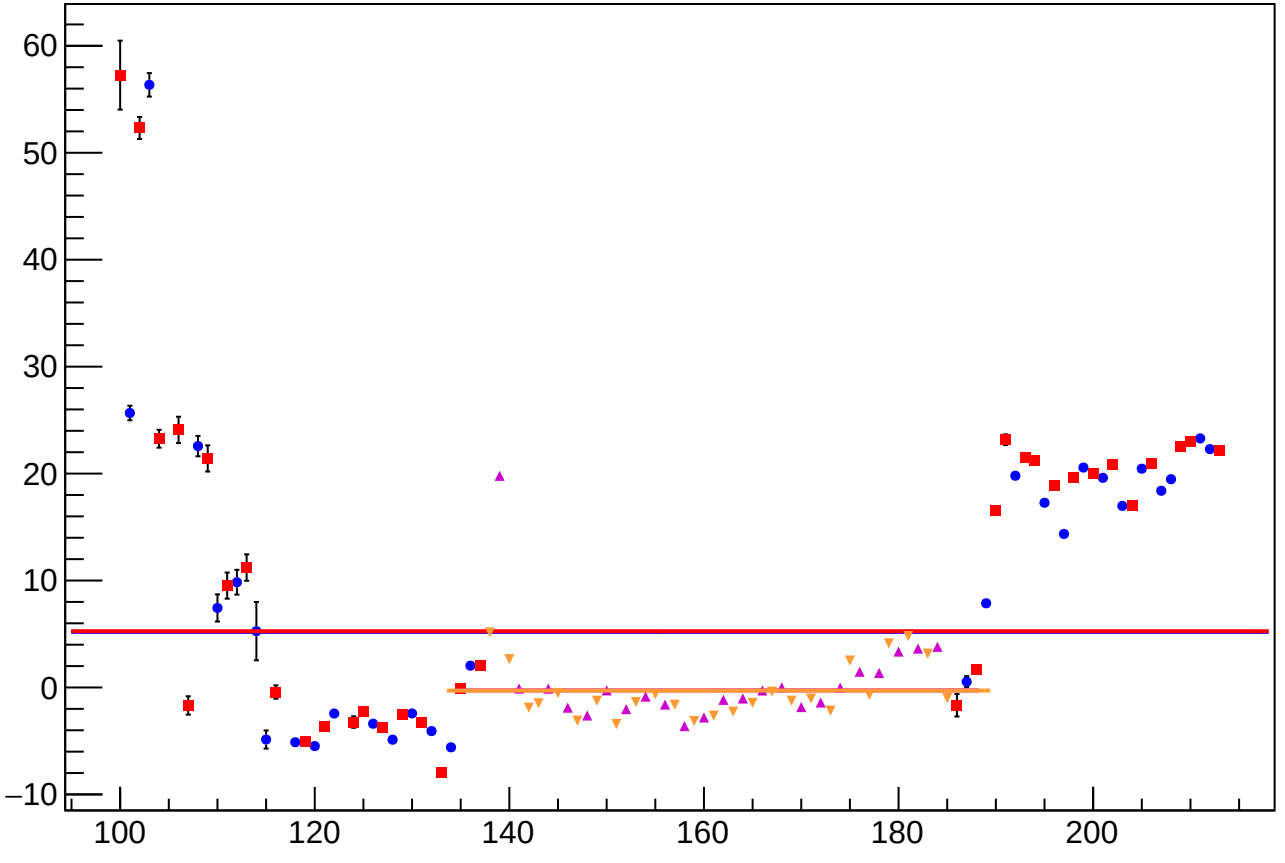
Right: -0.224+/-0.034 χ^2/NDF: 8295.7/62

In: -2.348+/-0.025 χ^2/NDF:27162.1/51

Out: -2.327+/-0.024 χ^2/NDF:34249.6/58

All: -2.337+/-0.017 χ^2/NDF: 61412.1/110

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.196+/-0.055 χ^2/NDF: 41999.1/28

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

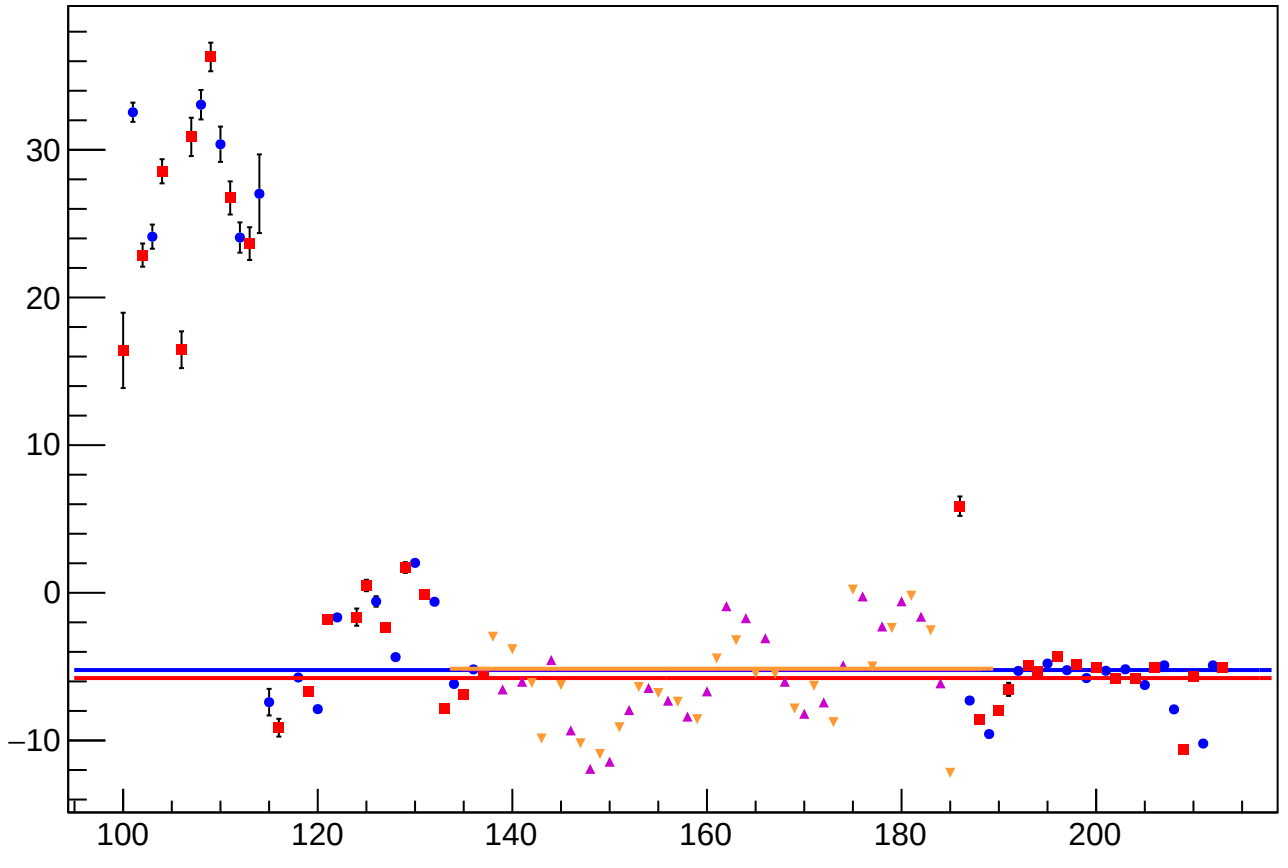
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 5.229+/-0.038 χ^2/NDF: 93549.2/62

In: 0.499+/-0.021 χ^2/NDF:63692.4/51

Out: 0.516+/-0.020 χ^2/NDF:73127.6/58

All: 0.508+/-0.014 χ^2/NDF: 136820.5/110



Right In: -5.231+/-0.049 χ^2/NDF: 10704.2/28

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

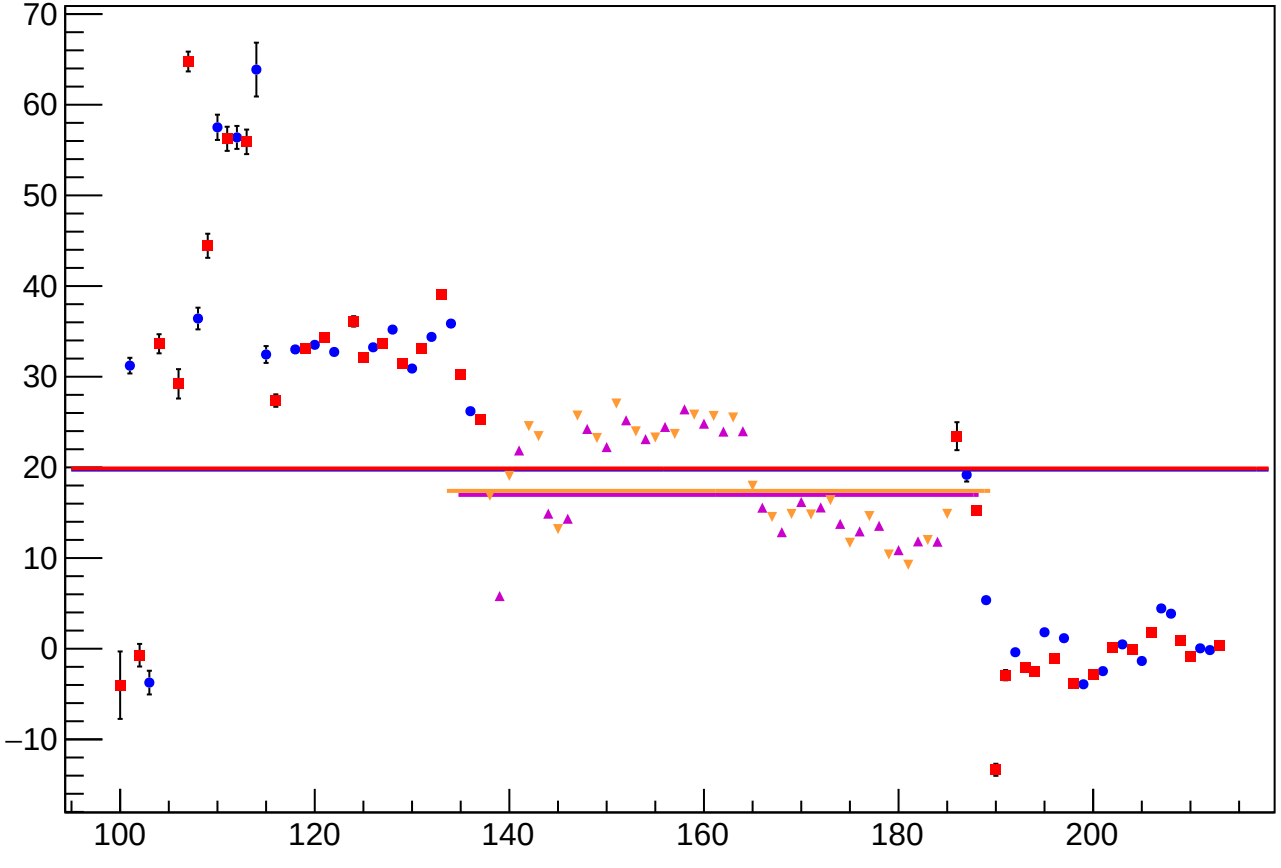
Right: -5.521+/-0.033 χ^2/NDF: 22282.9/62

In: -5.191+/-0.025 χ^2/NDF:24668.8/51

Out: -5.312+/-0.024 χ^2/NDF:26281.1/58

All: -5.253+/-0.017 χ^2/NDF: 50962.5/110

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.757+/-0.063 χ^2/NDF: 61933.4/28

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

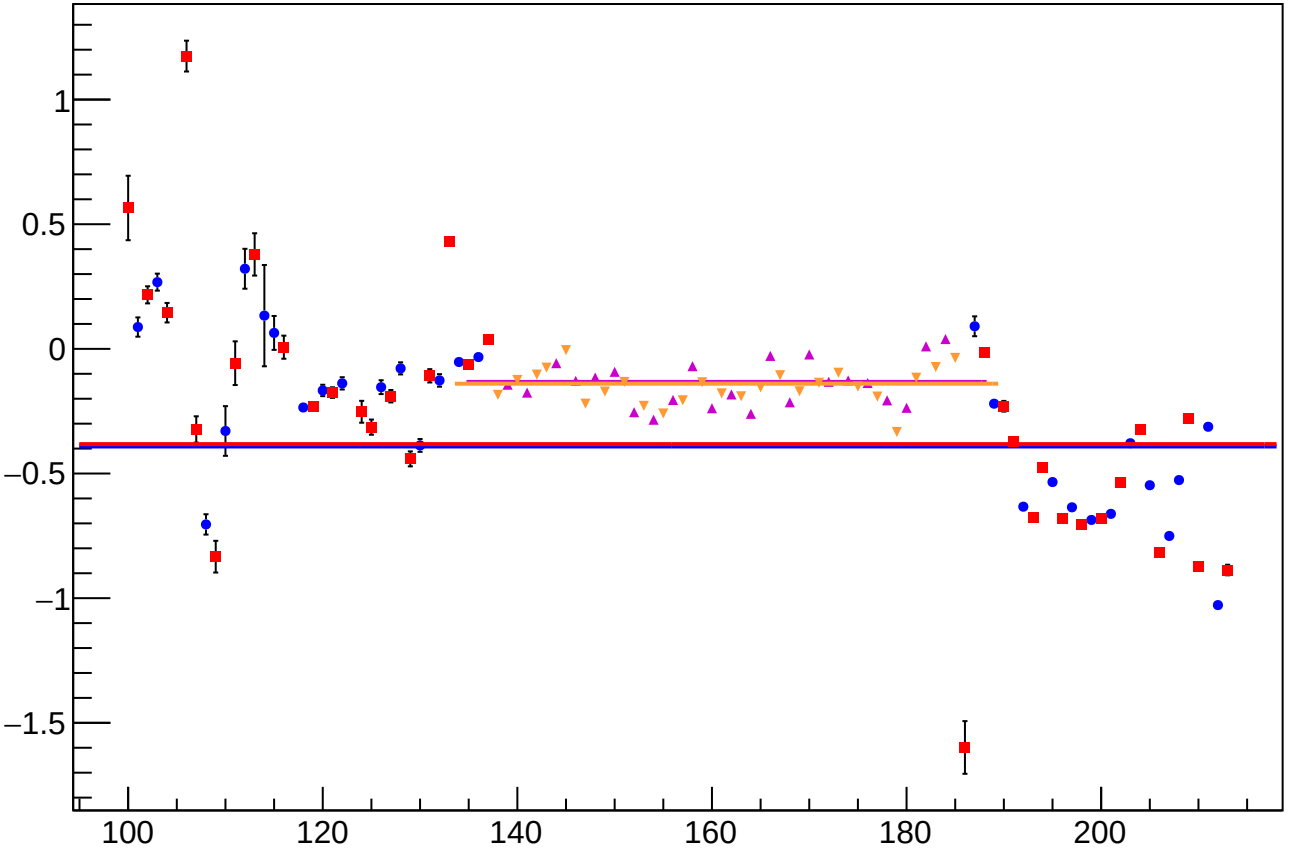
Right: 19.819+/-0.044 χ^2/NDF: 138712.3/62

In: 17.346+/-0.023 χ^2/NDF:103561.4/51

Out: 17.744+/-0.023 χ^2/NDF:128792.9/58

All: 17.550+/-0.016 χ^2/NDF: 232504.5/110

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.392+/-0.003 χ^2/NDF: 9568.8/28

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

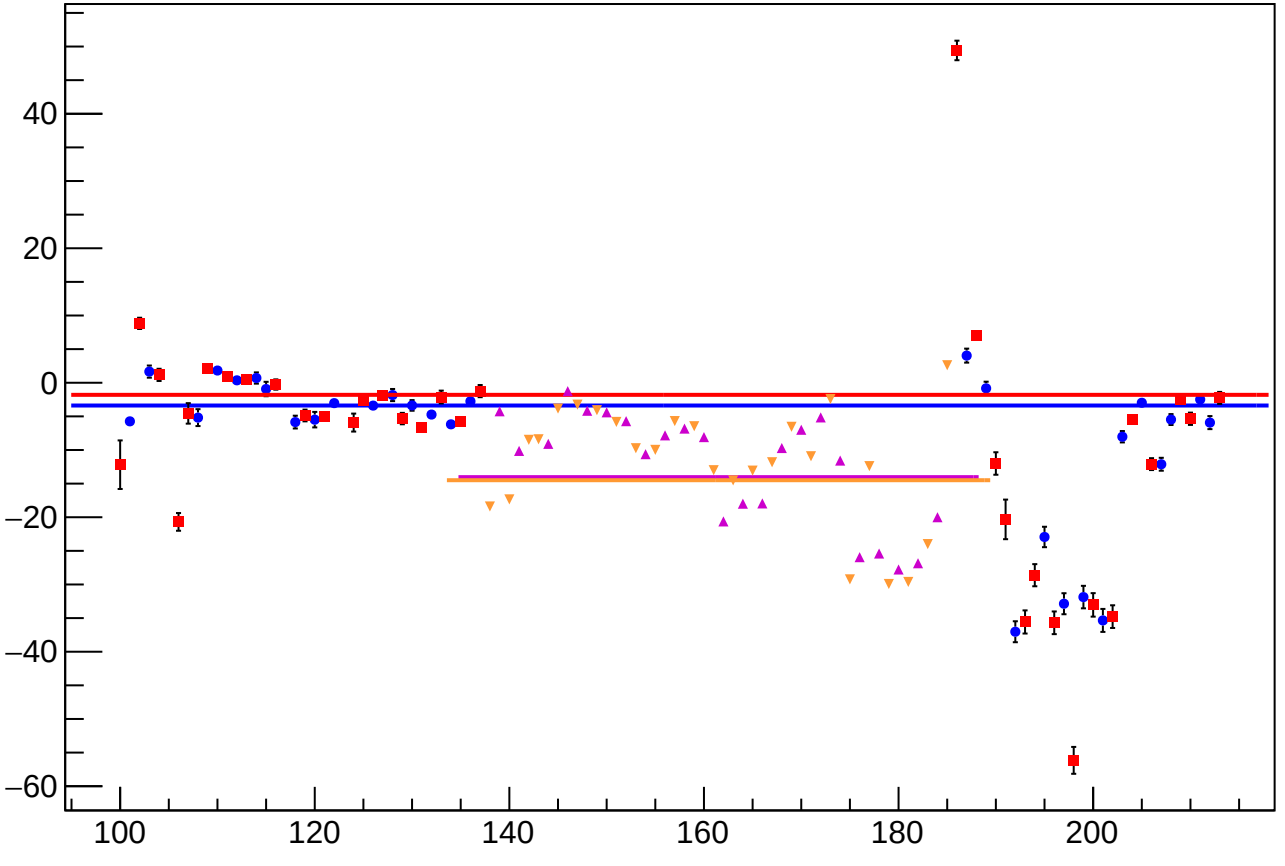
Right: -0.387+/-0.002 χ^2/NDF: 23743.9/62

In: -0.166+/-0.001 χ^2/NDF:22083.2/51

Out: -0.171+/-0.001 χ^2/NDF:24732.0/58

All: -0.169+/-0.001 χ^2/NDF: 46830.1/110

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.385+/-0.137 χ^2/NDF: 2215.1/28

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

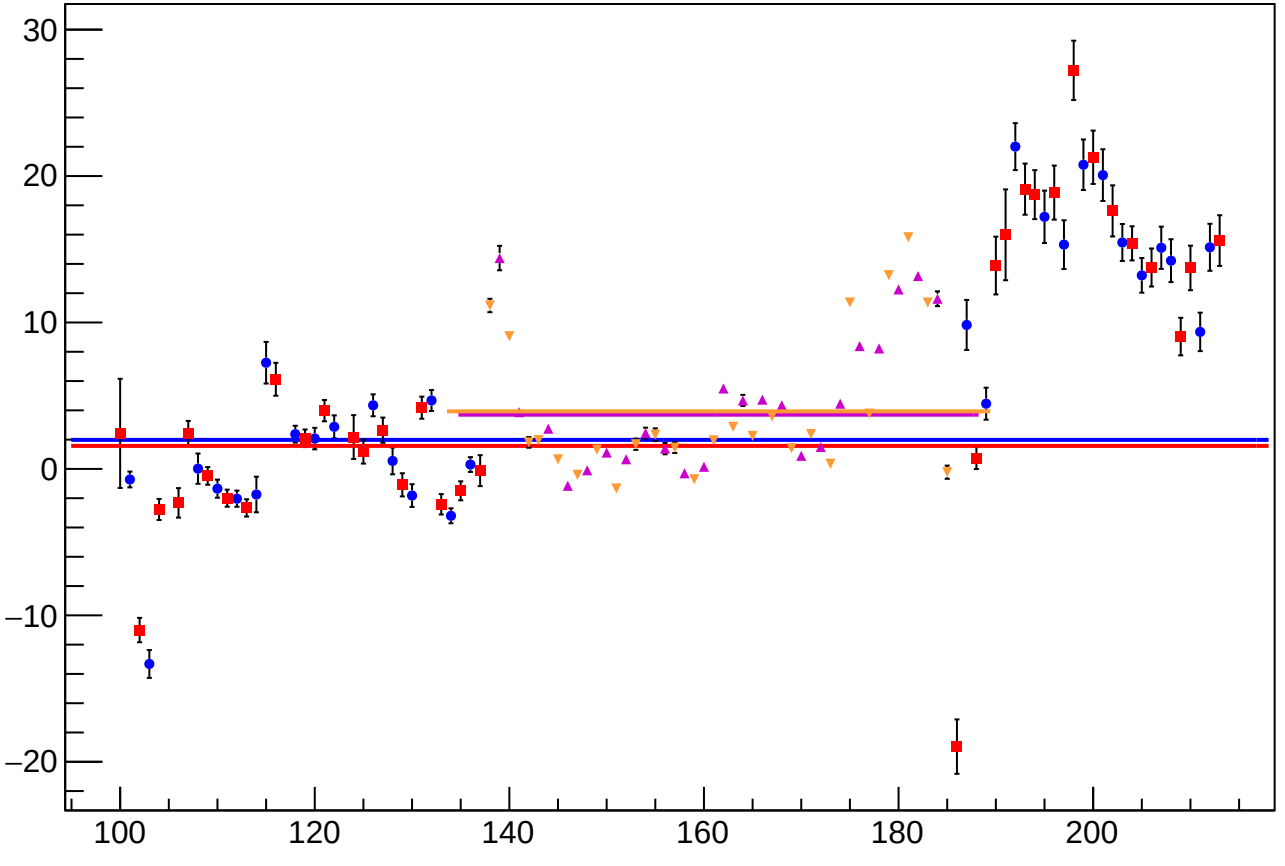
Right: -2.548+/-0.094 χ^2/NDF: 7335.9/62

In: -11.481+/-0.067 χ^2/NDF:20313.4/51

Out: -11.317+/-0.065 χ^2/NDF:29498.2/58

All: -11.396+/-0.047 χ^2/NDF: 49814.7/110

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.984+/-0.159 χ^2/NDF: 1556.3/28

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

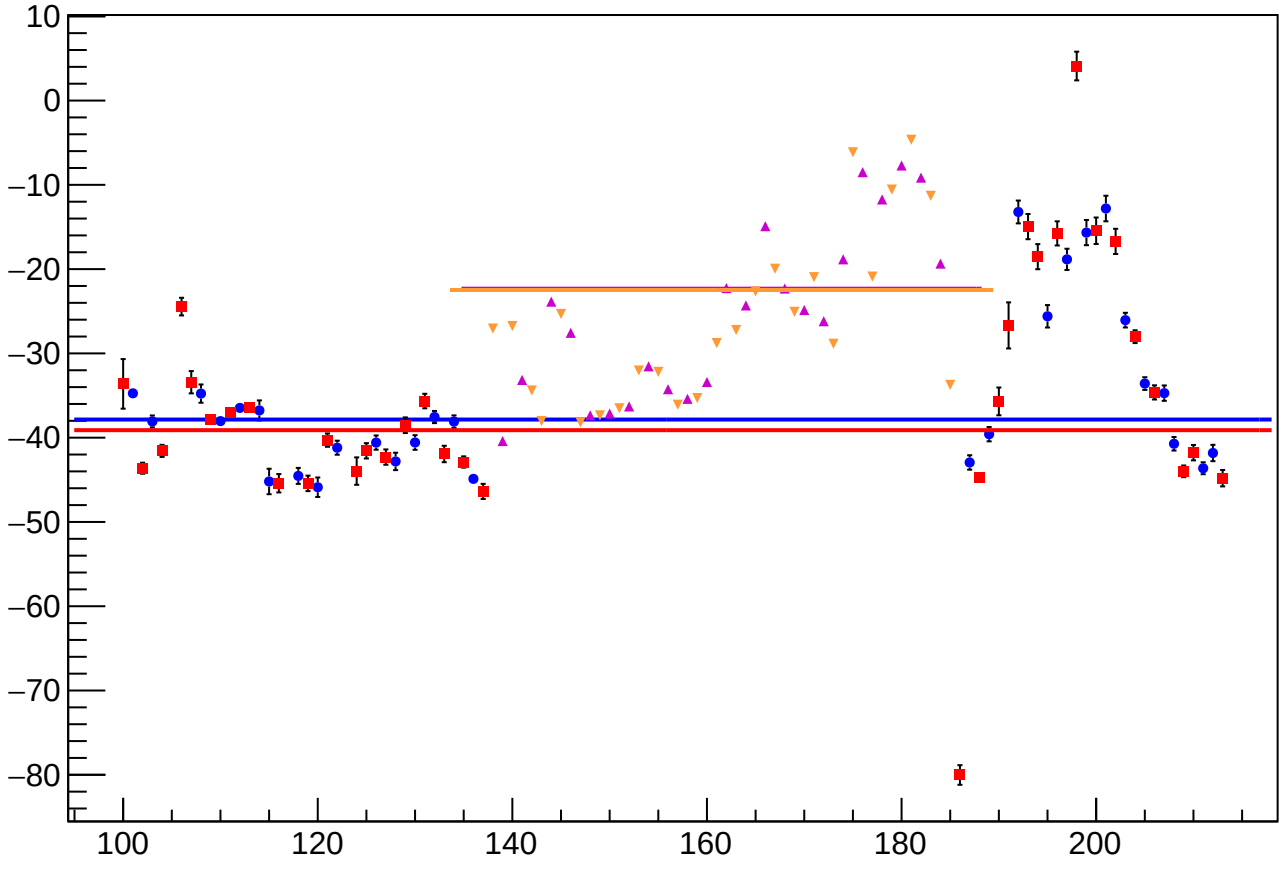
Right: 1.780+/-0.113 χ^2/NDF: 3283.8/62

In: 3.493+/-0.056 χ^2/NDF:6447.5/51

Out: 3.660+/-0.054 χ^2/NDF:8894.5/58

All: 3.578+/-0.039 χ^2/NDF: 15346.6/110

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.847+/-0.149 χ^2/NDF: 1988.5/28

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

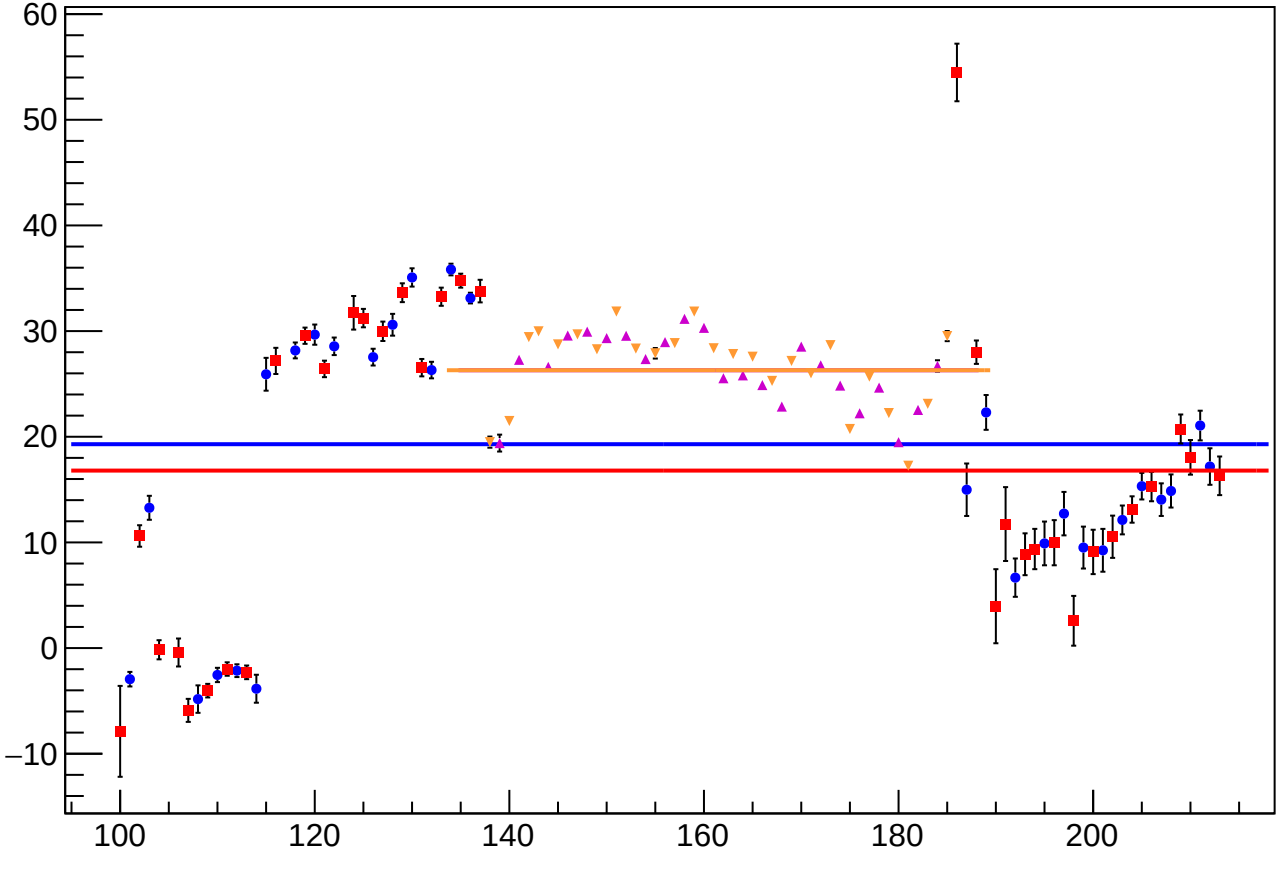
Right: -38.493+/-0.104 χ^2/NDF: 6160.2/62

In: -25.564+/-0.068 χ^2/NDF:27706.6/51

Out: -25.954+/-0.067 χ^2/NDF:34891.2/58

All: -25.764+/-0.048 χ^2/NDF: 62614.6/110

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.295+/-0.180 χ^2/NDF: 6898.1/28

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

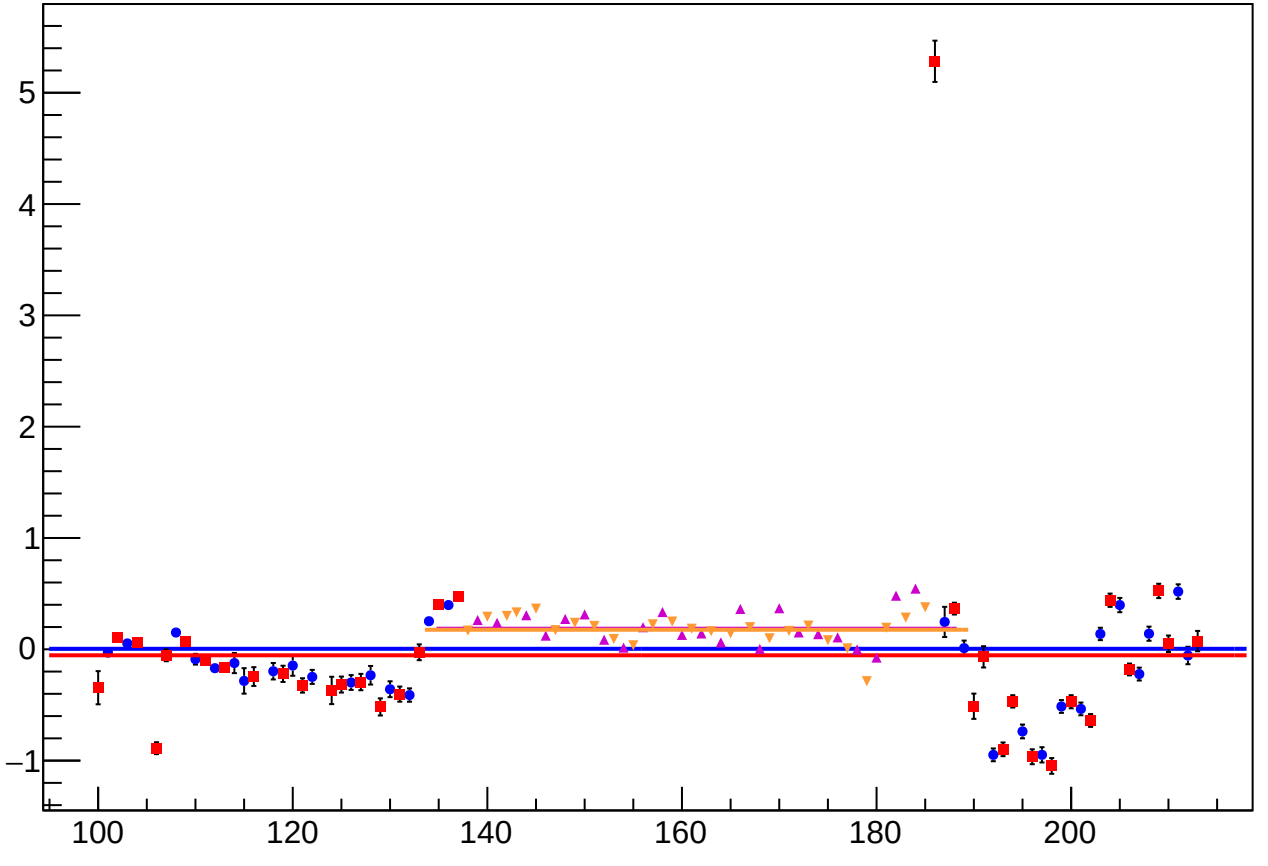
Right: 18.068+/-0.128 χ^2/NDF: 14161.1/62

In: 25.445+/-0.062 χ^2/NDF:10418.7/51

Out: 25.226+/-0.061 χ^2/NDF:12873.6/58

All: 25.334+/-0.044 χ^2/NDF: 23298.5/110

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.005+/-0.009 χ^2/NDF: 1540.5/28

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

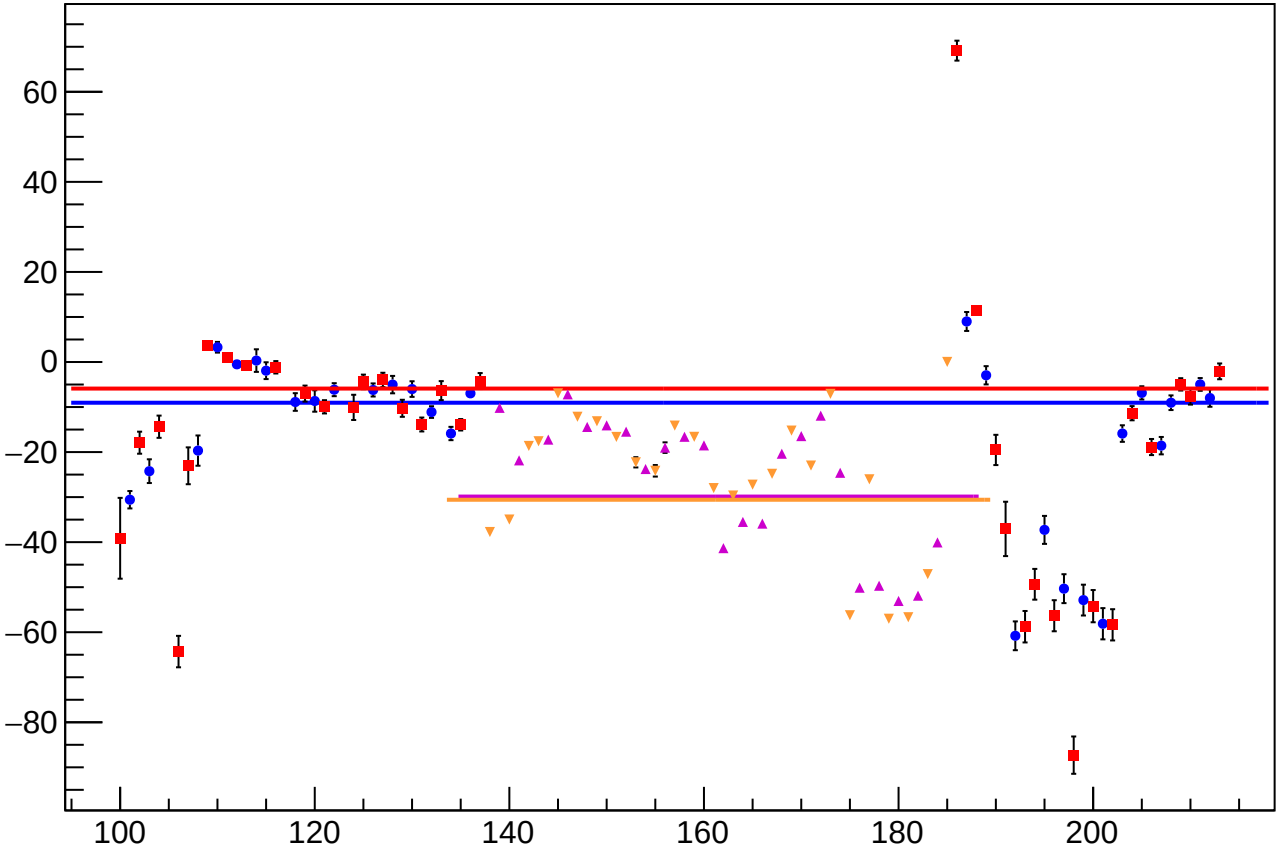
Right: -0.024+/-0.006 χ^2/NDF: 4277.5/62

In: 0.167+/-0.003 χ^2/NDF:4442.7/51

Out: 0.155+/-0.003 χ^2/NDF:5208.0/58

All: 0.161+/-0.002 χ^2/NDF: 9660.1/110

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.042+/-0.313 χ^2/NDF: 1429.7/28

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

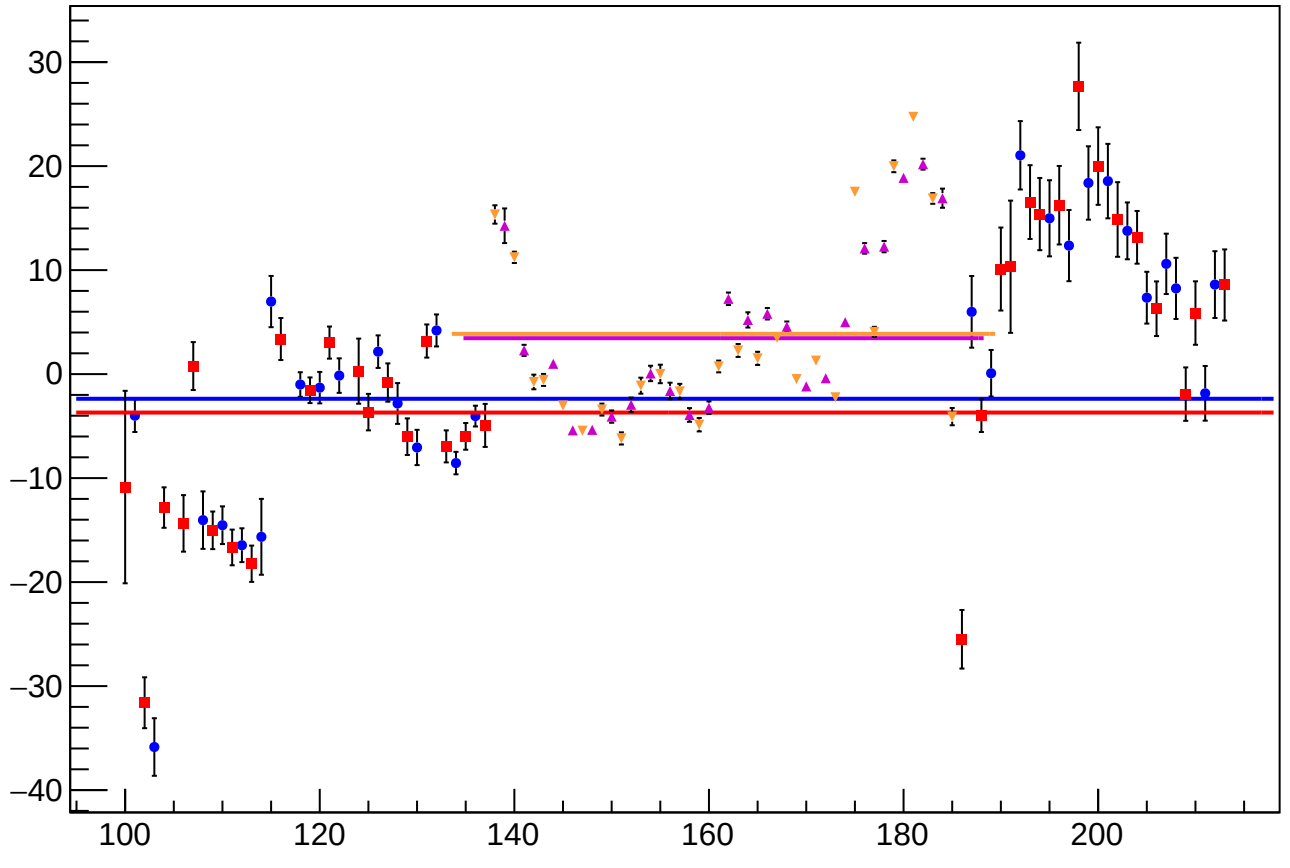
Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

Right: -7.424+/-0.218 χ^2/NDF: 4993.7/62

In: -26.151+/-0.132 χ^2/NDF:17096.5/51

Out: -26.161+/-0.129 χ^2/NDF:24967.5/58

All: -26.156+/-0.092 χ^2/NDF: 42063.9/110



Right In: -2.372+/-0.357 χ^2/NDF: 648.5/28

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

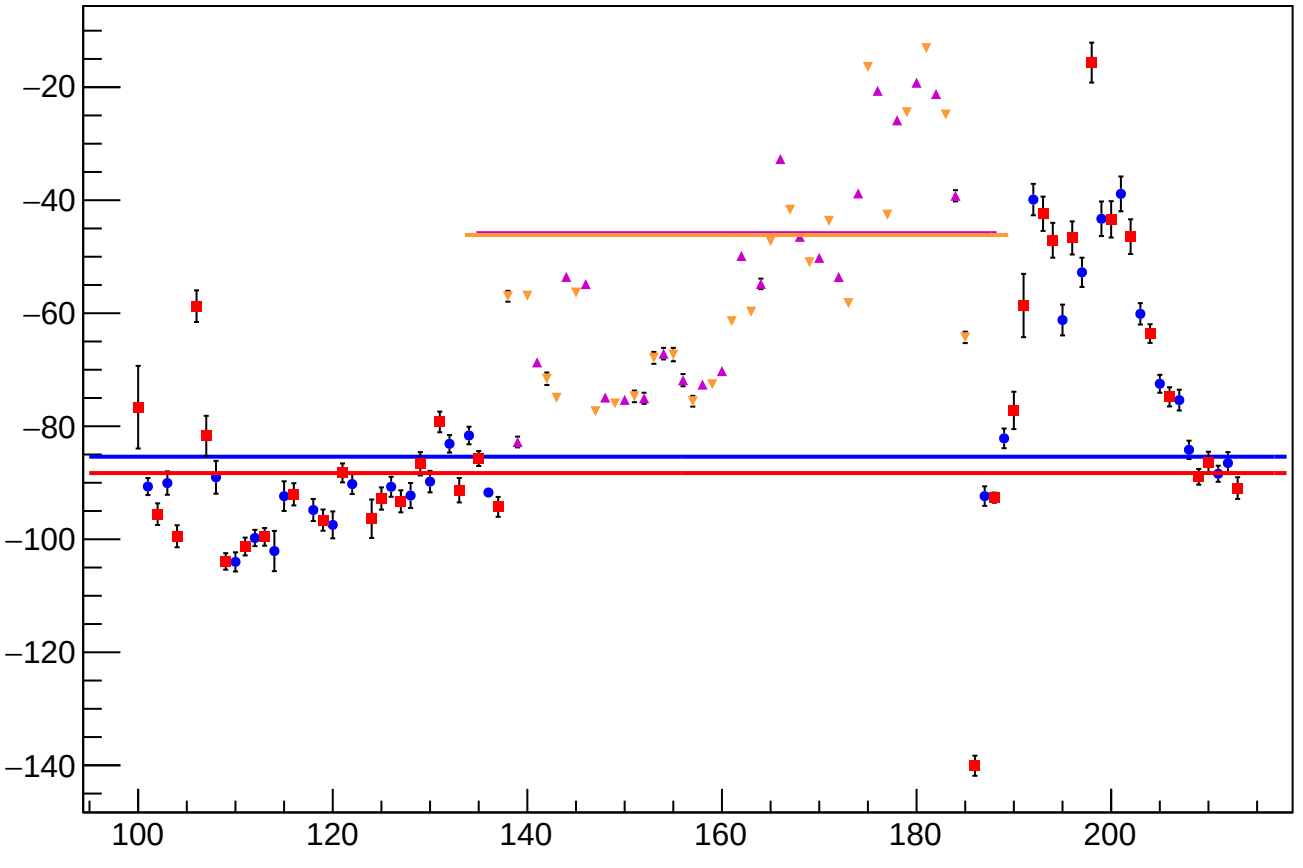
Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

Right: -3.017+/-0.255 χ^2/NDF: 1431.8/62

In: 2.916+/-0.108 χ^2/NDF:5584.4/51

Out: 3.233+/-0.106 χ^2/NDF:7710.2/58

All: 3.077+/-0.076 χ^2/NDF: 13299.0/110



Right In: -85.387+/-0.334 χ^2/NDF: 1632.5/28

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

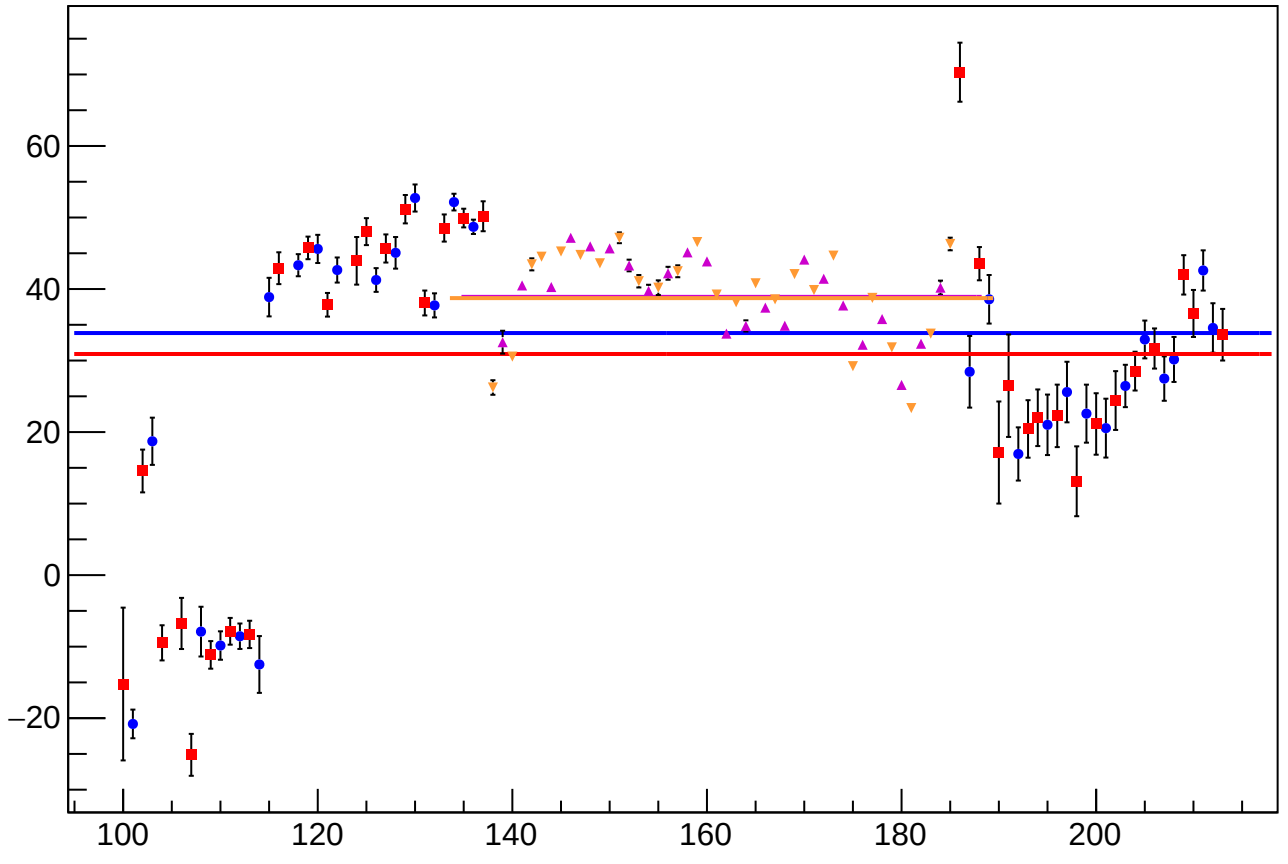
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -86.859+/-0.234 χ^2/NDF: 4763.5/62

In: -52.181+/-0.134 χ^2/NDF:31333.0/51

Out: -52.822+/-0.131 χ^2/NDF:38402.2/58

All: -52.509+/-0.093 χ^2/NDF: 69747.0/110



Right In: 33.847+/-0.401 χ^2/NDF: 2889.7/28

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

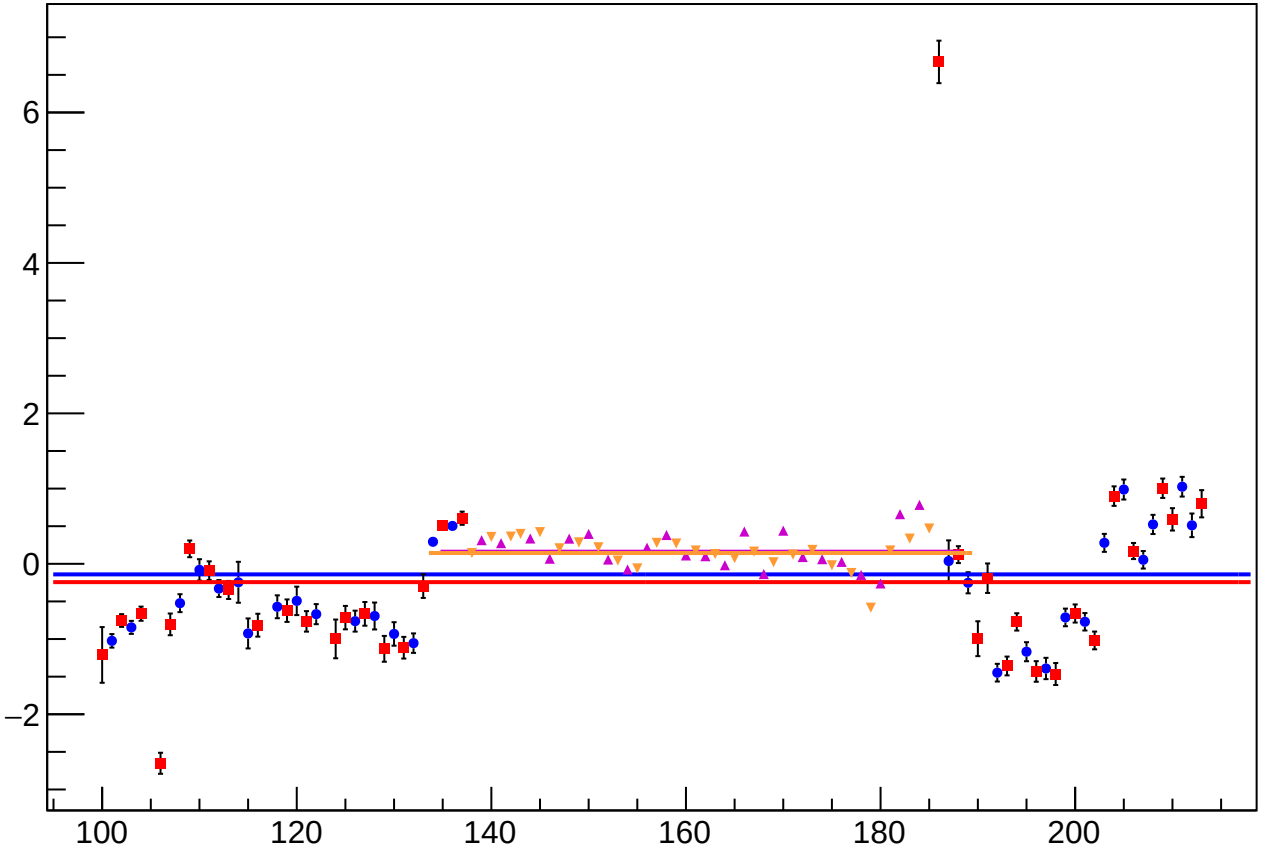
Right: 32.438+/-0.289 χ^2/NDF: 6010.4/62

In: 38.440+/-0.121 χ^2/NDF:5005.9/51

Out: 38.089+/-0.119 χ^2/NDF:6199.7/58

All: 38.262+/-0.085 χ^2/NDF: 11209.9/110

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.141+/-0.020 χ^2/NDF: 1165.9/28

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

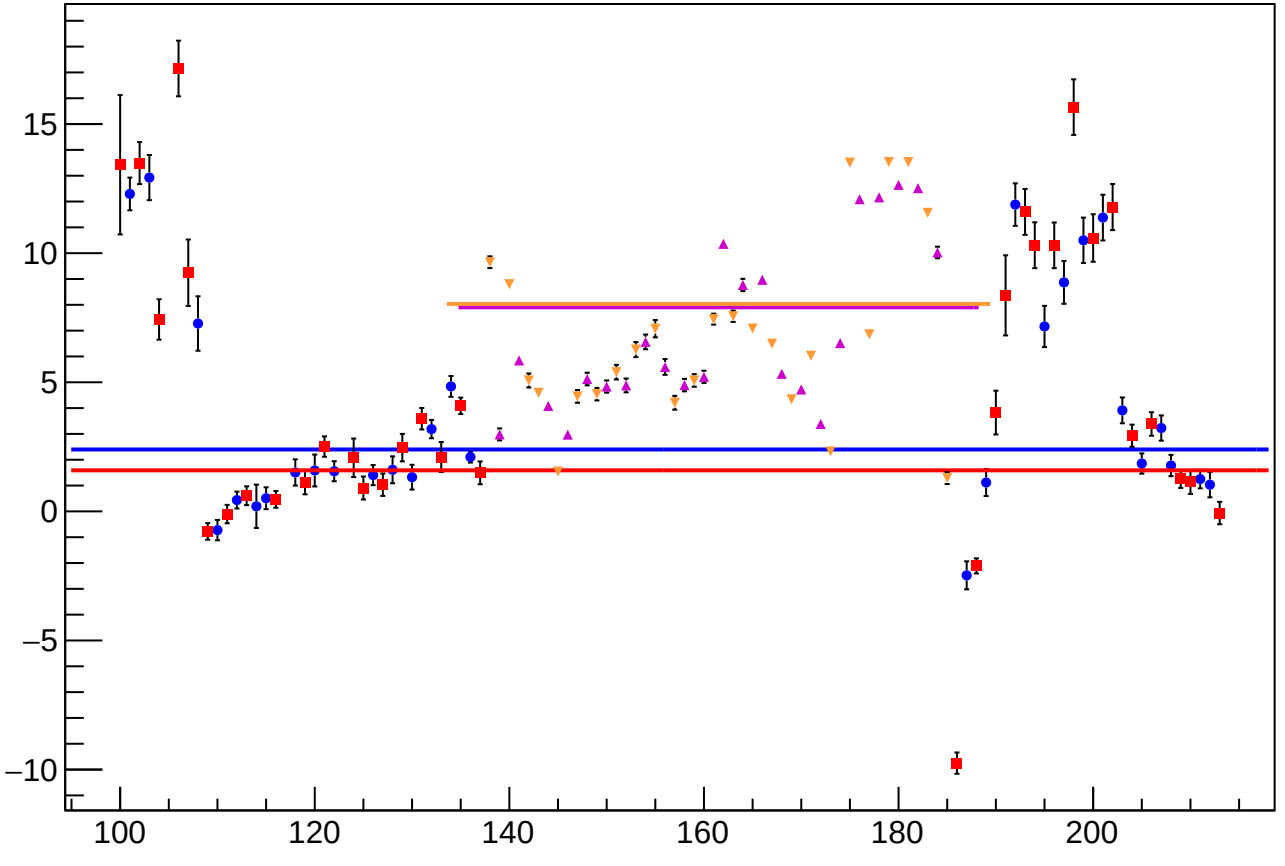
Right: -0.189+/-0.015 χ^2/NDF: 3174.0/62

In: 0.139+/-0.005 χ^2/NDF:3294.5/51

Out: 0.118+/-0.005 χ^2/NDF:3752.2/58

All: 0.128+/-0.004 χ^2/NDF: 7053.8/110

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.397+/-0.085 χ^2/NDF: 1141.8/28

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

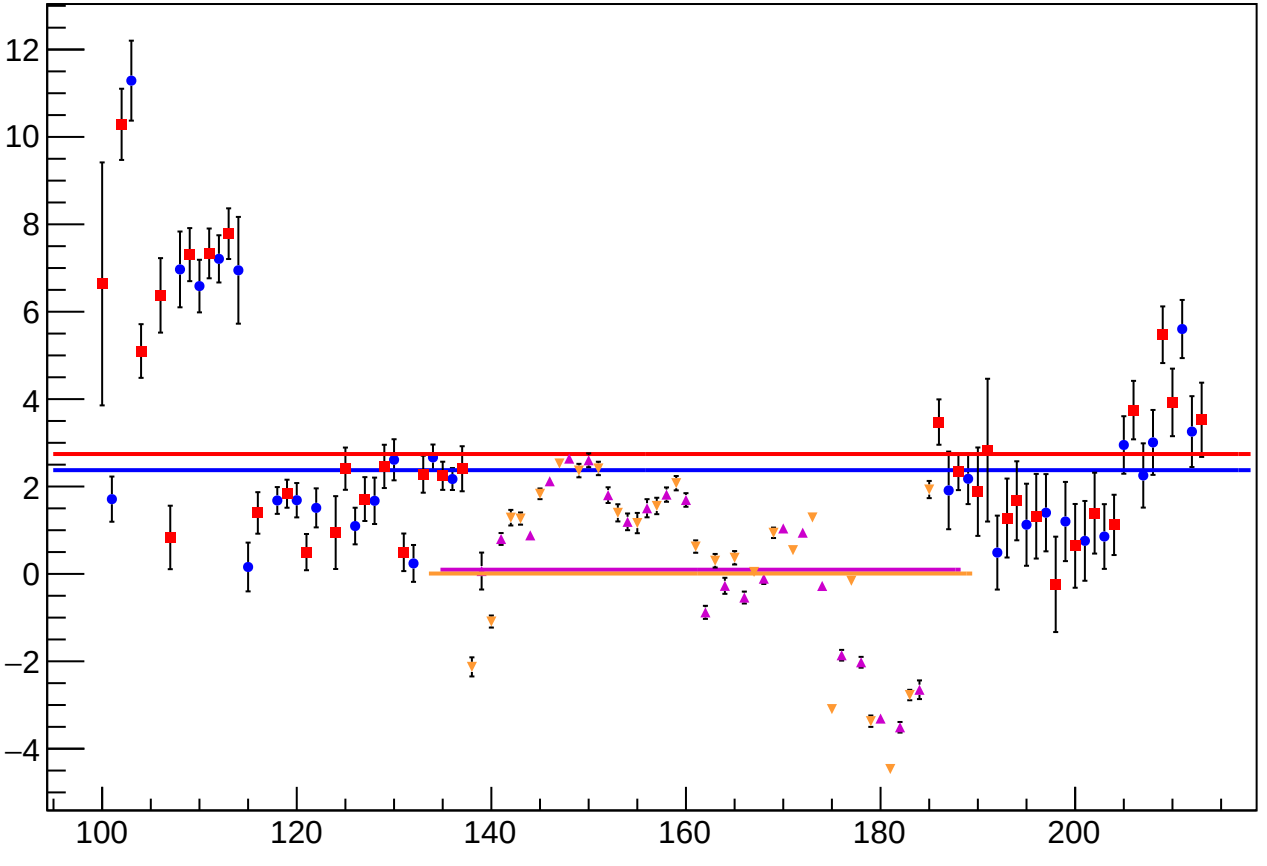
Right: 1.983+/-0.060 χ^2/NDF: 3614.7/62

In: 7.079+/-0.033 χ^2/NDF:14699.9/51

Out: 7.076+/-0.032 χ^2/NDF:21472.0/58

All: 7.077+/-0.023 χ^2/NDF: 36171.8/110

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.374+/-0.097 χ^2/NDF: 377.6/28

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

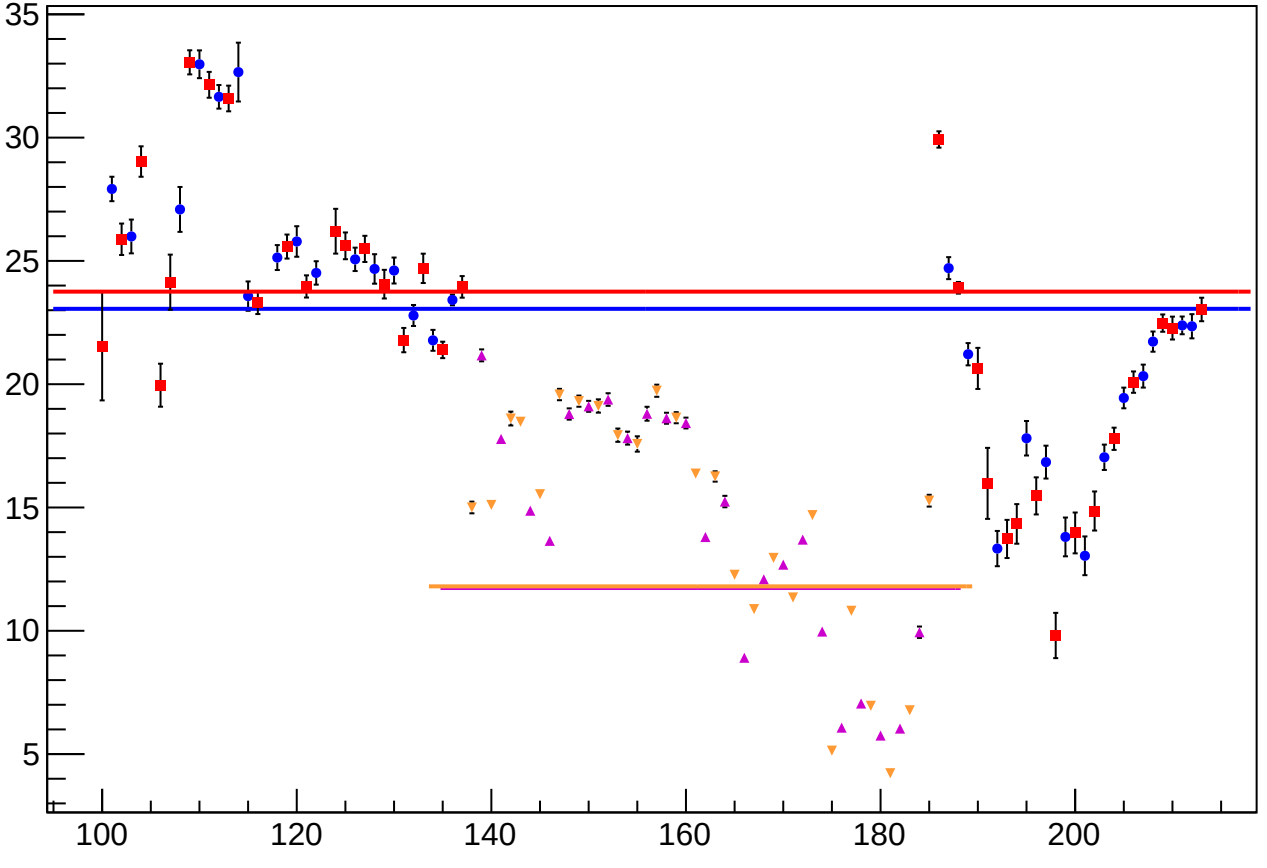
Right: 2.554+/-0.069 χ^2/NDF: 848.8/62

In: 0.274+/-0.027 χ^2/NDF:5323.9/51

Out: 0.204+/-0.026 χ^2/NDF:6931.7/58

All: 0.238+/-0.019 χ^2/NDF: 12259.1/110

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 23.057+/-0.090 χ^2/NDF: 1845.3/28

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

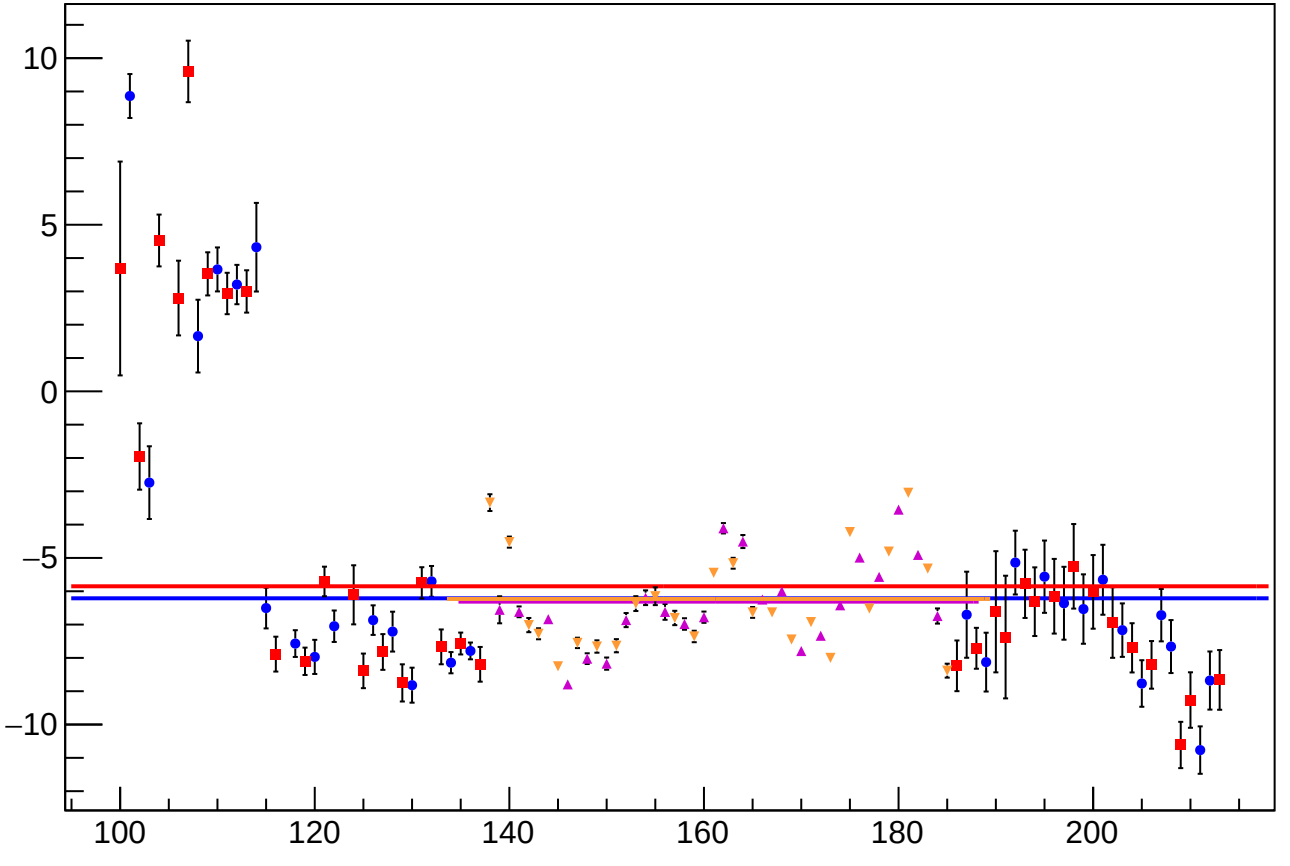
Right: 23.415+/-0.063 χ^2/NDF: 4525.0/62

In: 13.285+/-0.033 χ^2/NDF:33533.4/51

Out: 13.437+/-0.032 χ^2/NDF:40228.3/58

All: 13.363+/-0.023 χ^2/NDF: 73772.4/110

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.211+/-0.108 χ^2/NDF: 1333.5/28

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

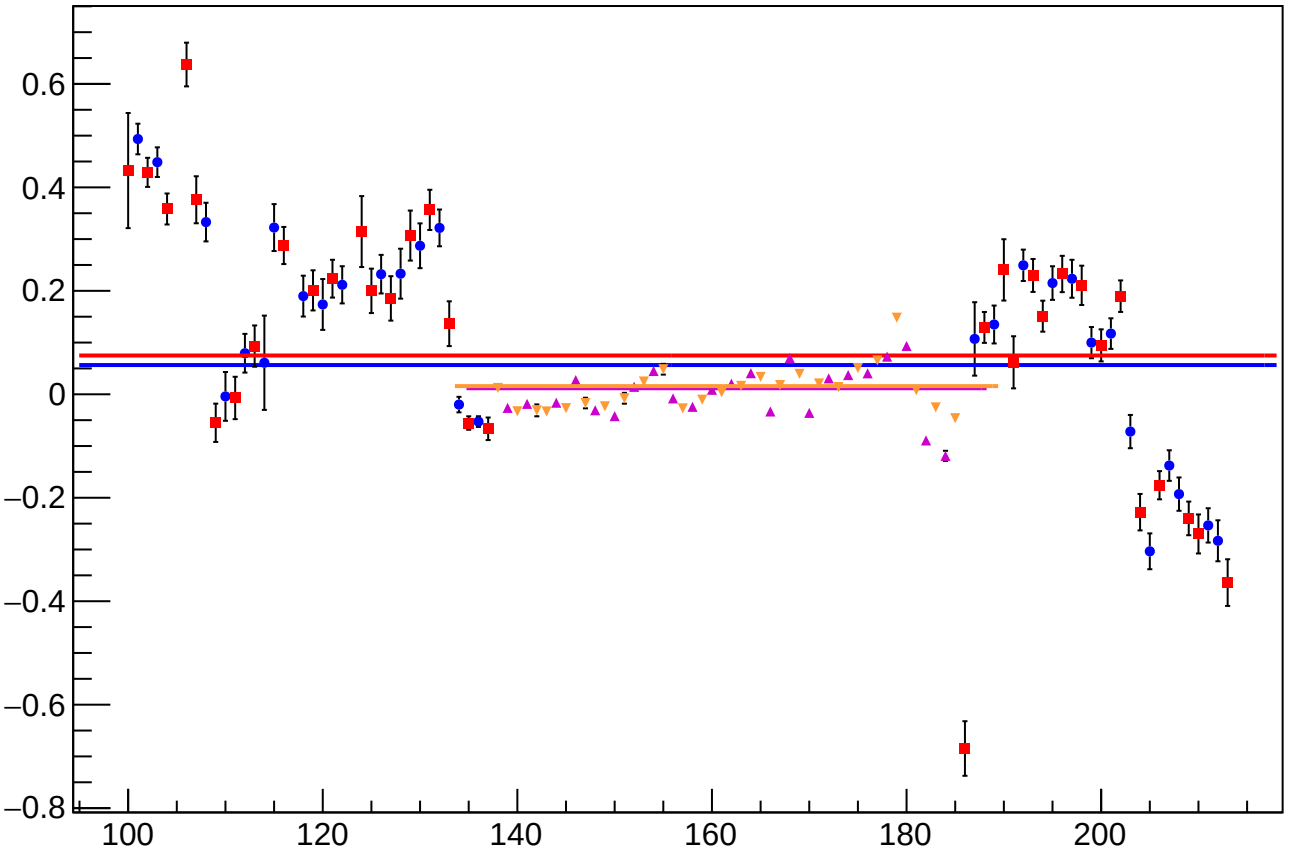
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -6.039+/-0.078 χ^2/NDF: 2766.5/62

In: -6.304+/-0.030 χ^2/NDF:3364.4/51

Out: -6.204+/-0.030 χ^2/NDF:3888.2/58

All: -6.253+/-0.021 χ^2/NDF: 7258.1/110



Right In: 0.057+/-0.005 χ^2/NDF: 1274.7/28

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

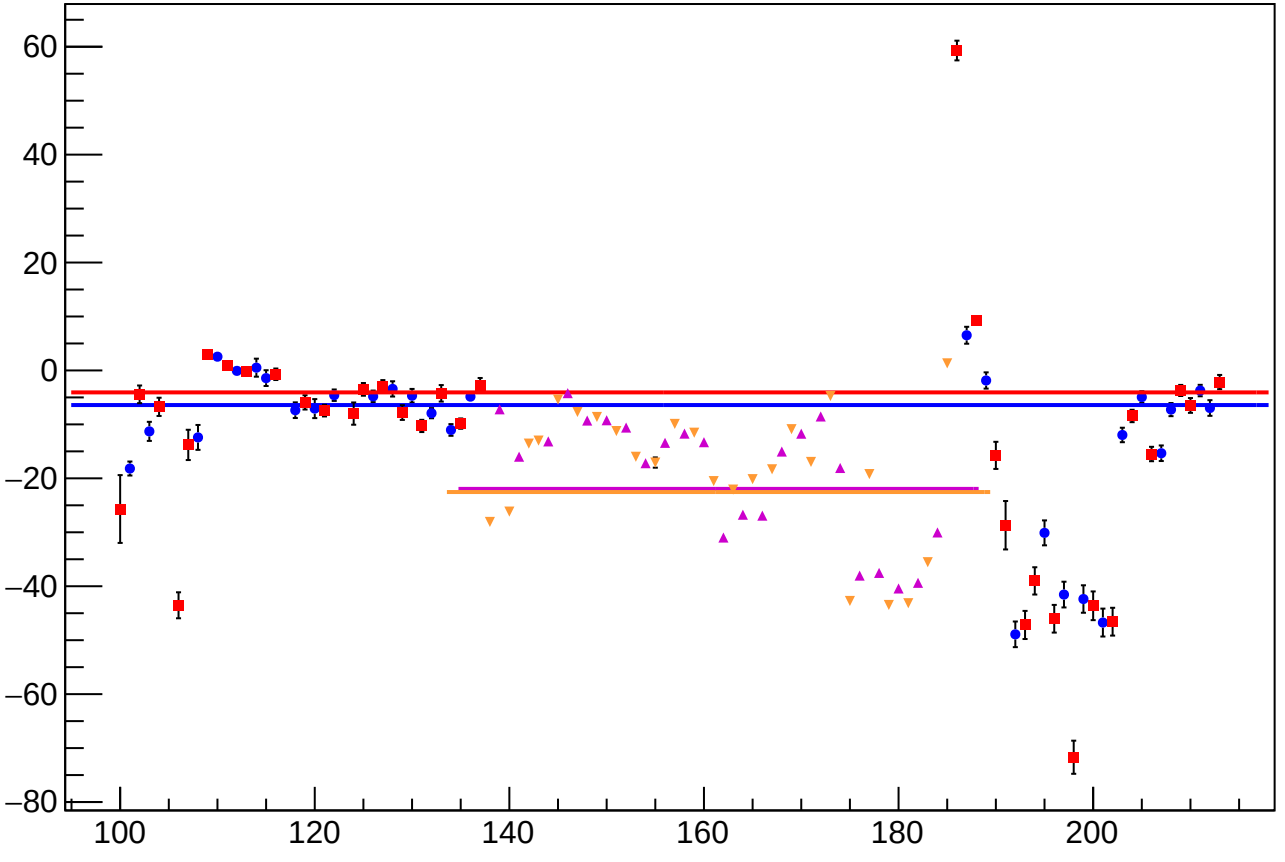
Right: 0.065+/-0.004 χ^2/NDF: 2813.0/62

In: 0.015+/-0.001 χ^2/NDF:2637.0/51

Out: 0.019+/-0.001 χ^2/NDF:2568.2/58

All: 0.017+/-0.001 χ^2/NDF: 5210.8/110

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.415+/-0.227 χ^2/NDF: 1609.4/28

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

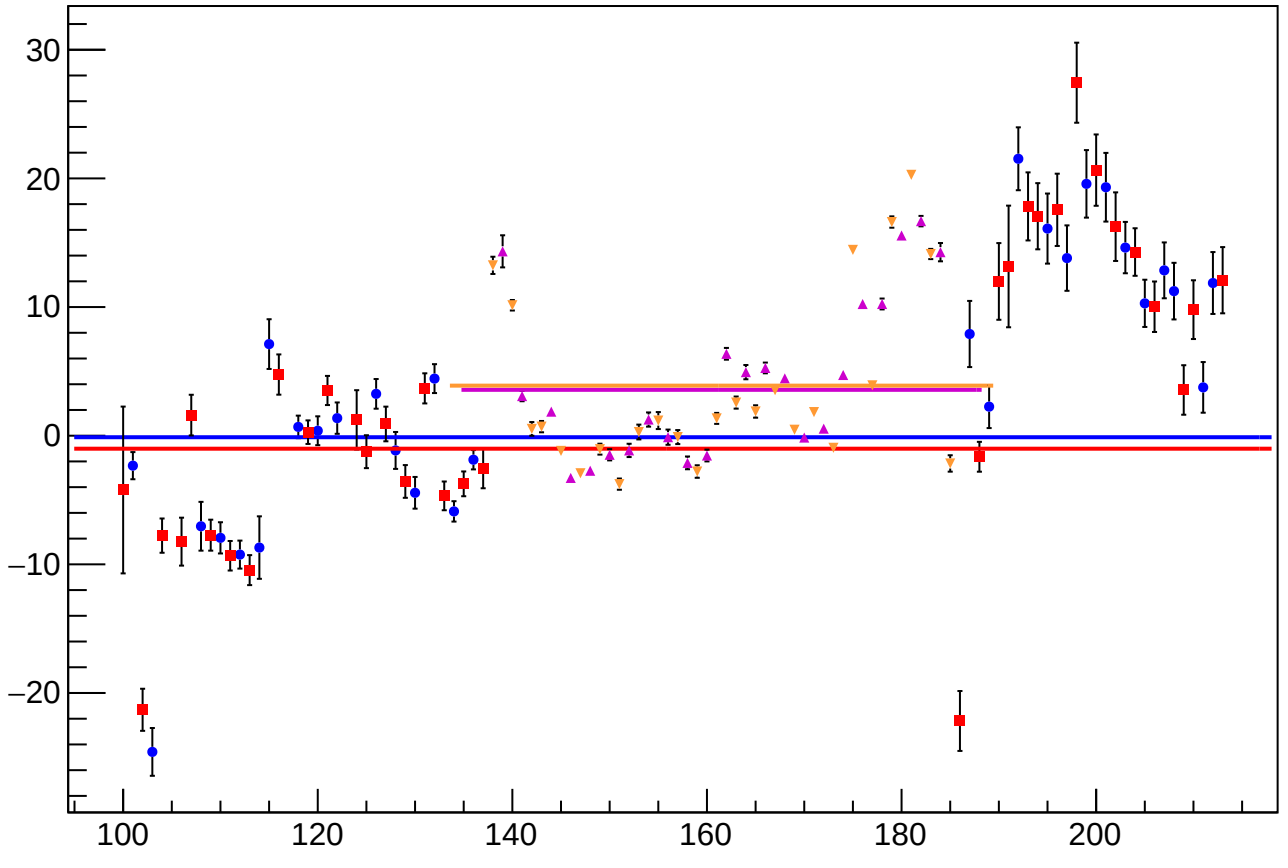
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

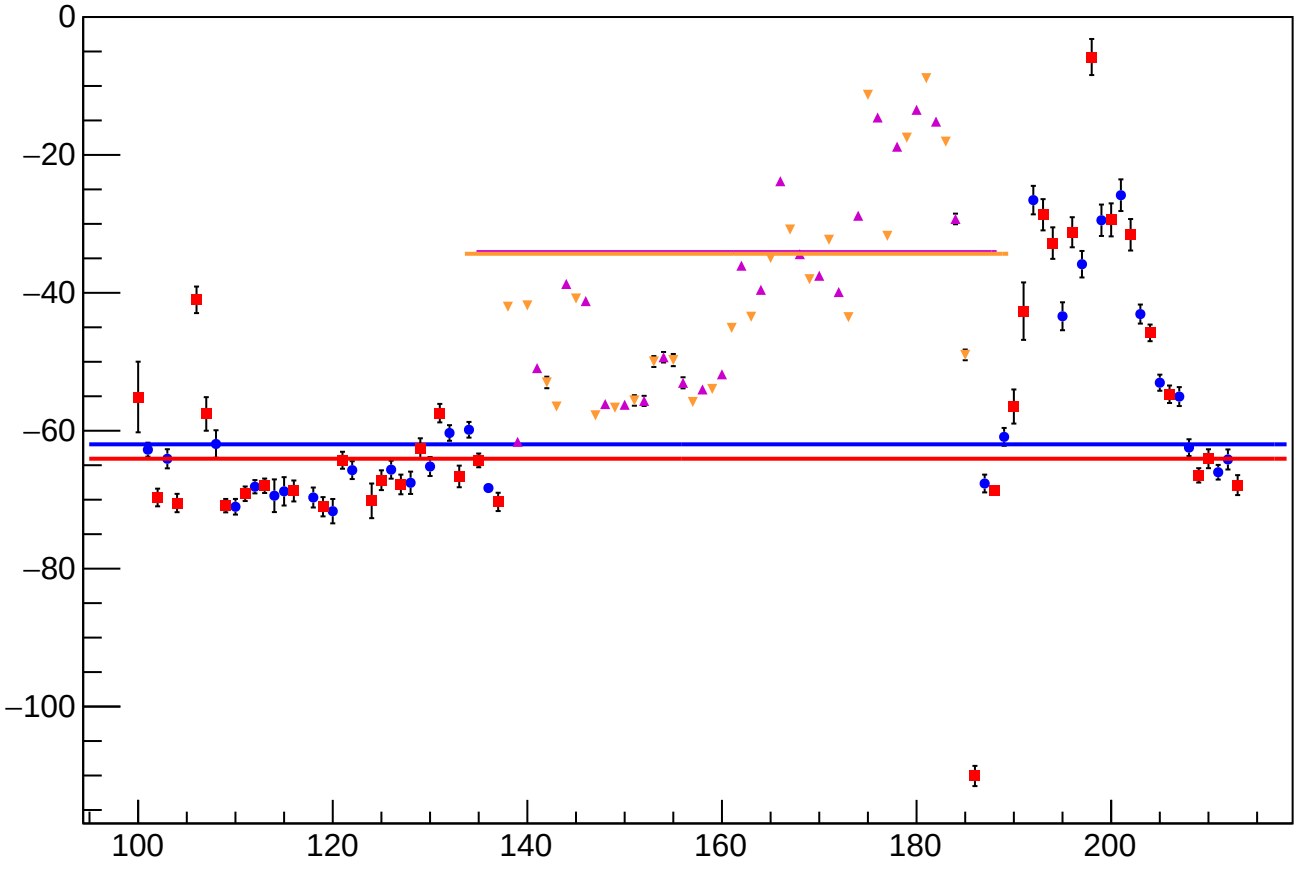
Right: -5.201+/-0.157 χ^2/NDF: 5577.6/62

In: -18.940+/-0.100 χ^2/NDF:17988.6/51

Out: -18.911+/-0.097 χ^2/NDF:26184.9/58

All: -18.925+/-0.070 χ^2/NDF: 44173.5/110


reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -0.119+/-0.259 χ²/NDF: 870.8/28
Left Out: 3.891+/-0.084 χ²/NDF:6724.1/24
Right Out: -1.011+/-0.265 χ²/NDF: 1016.5/33
Left In: 3.565+/-0.086 χ²/NDF:4739.4/22
Left: 3.732+/-0.060 χ²/NDF: 11470.7/47
Right: -0.555+/-0.185 χ²/NDF: 1893.2/62
In: 3.198+/-0.082 χ²/NDF:5792.3/51
Out: 3.441+/-0.080 χ²/NDF:8051.5/58
All: 3.322+/-0.057 χ²/NDF: 13848.3/110



Right In: -61.970+/-0.243 χ^2/NDF: 1641.6/28

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

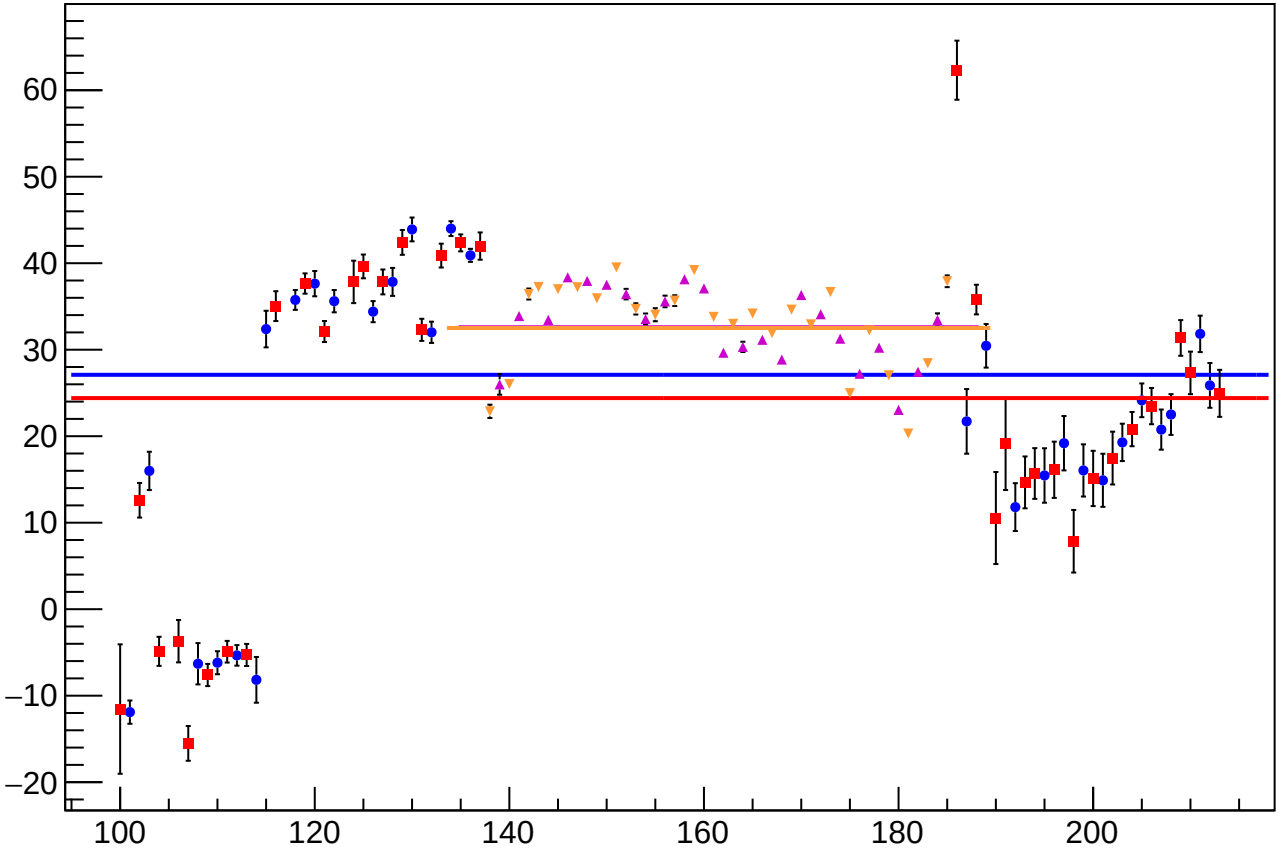
Right: -63.032+/-0.170 χ^2/NDF: 4993.2/62

In: -38.904+/-0.101 χ^2/NDF:30268.7/51

Out: -39.406+/-0.099 χ^2/NDF:37375.3/58

All: -39.161+/-0.071 χ^2/NDF: 67656.6/110

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 27.098+/-0.292 χ^2/NDF: 3853.3/28

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

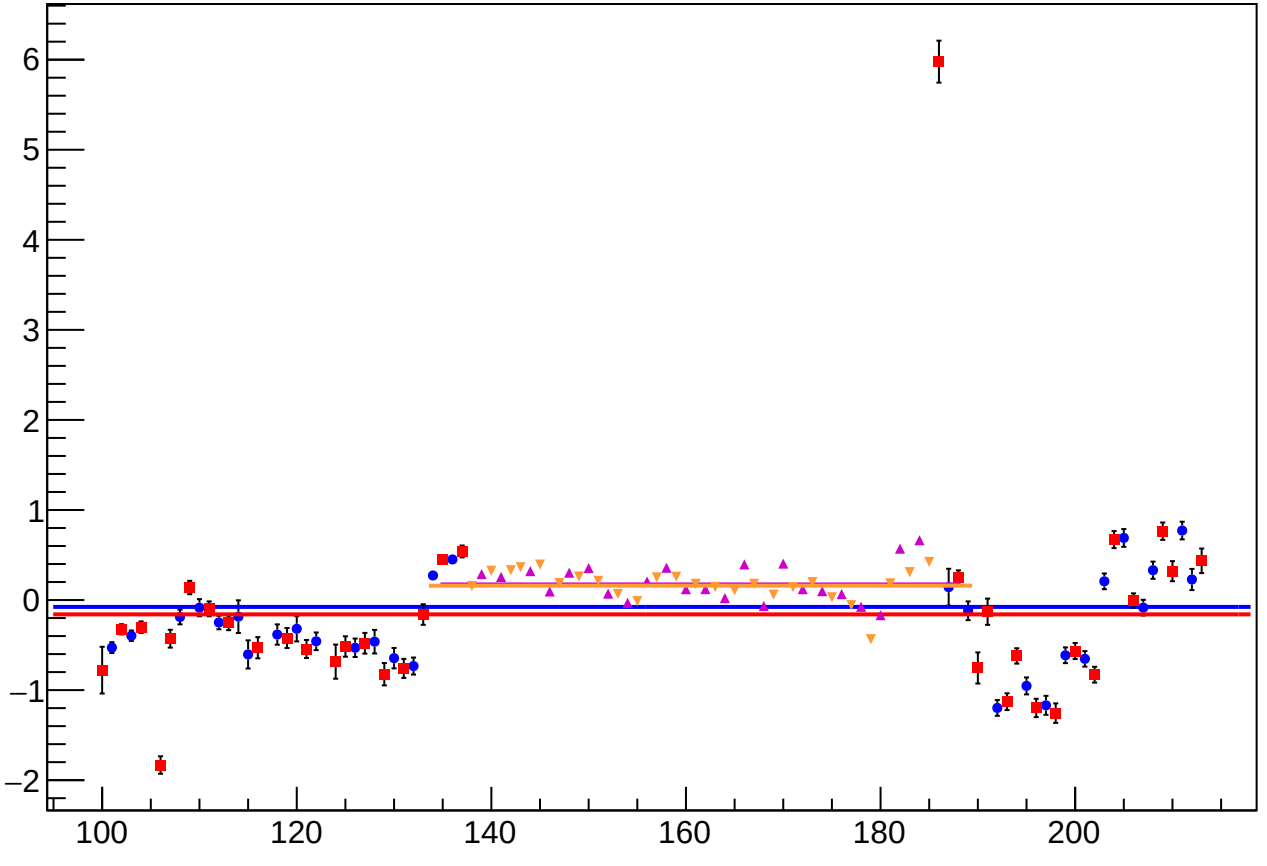
Right: 25.797+/-0.210 χ^2/NDF: 7988.4/62

In: 32.052+/-0.092 χ^2/NDF:6186.8/51

Out: 31.786+/-0.090 χ^2/NDF:7689.8/58

All: 31.917+/-0.064 χ^2/NDF: 13880.9/110

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.076+/-0.015 χ^2/NDF: 1214.9/28

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.159+/-0.015 χ^2/NDF: 2182.6/33

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

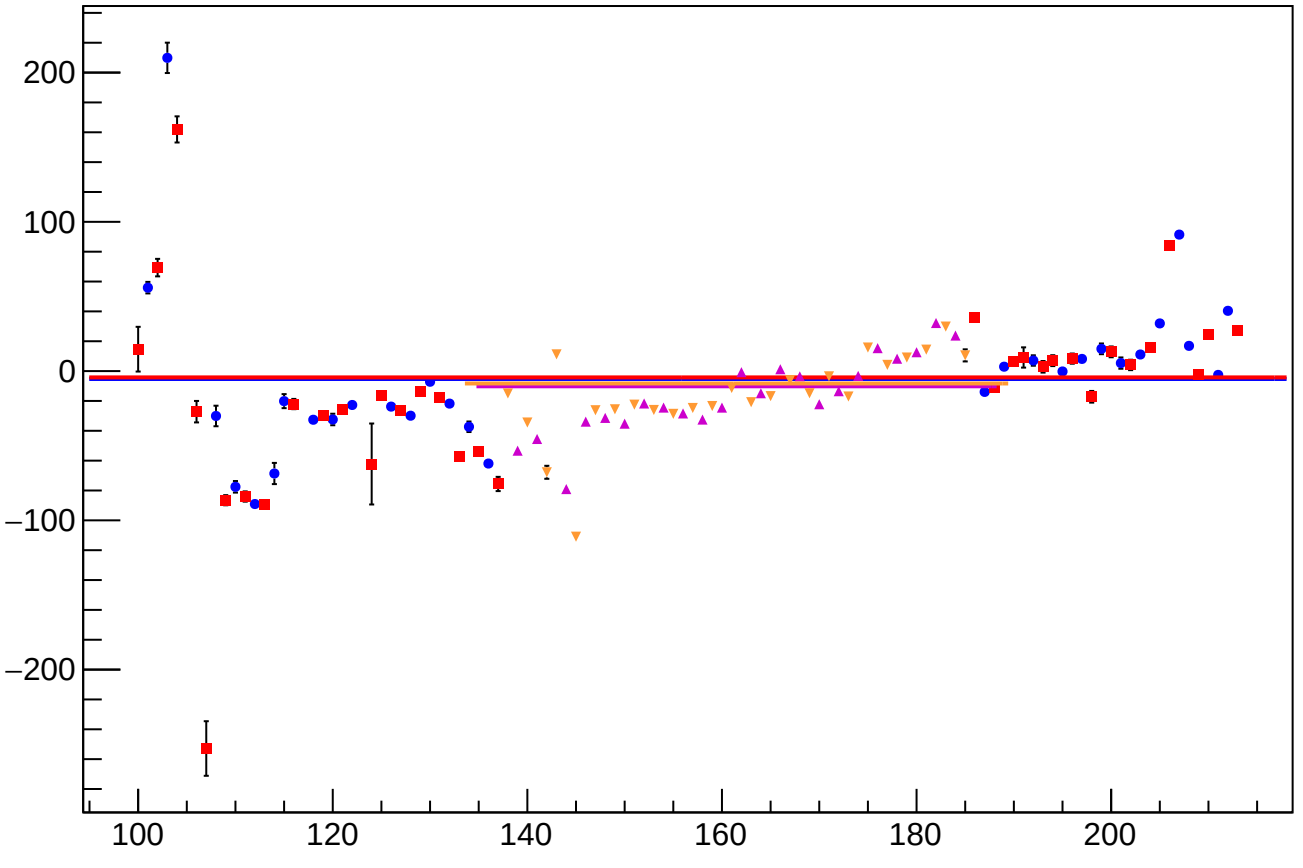
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.116+/-0.011 χ^2/NDF: 3412.9/62

In: 0.153+/-0.004 χ^2/NDF:3613.2/51

Out: 0.137+/-0.004 χ^2/NDF:4197.9/58

All: 0.145+/-0.003 χ^2/NDF: 7818.7/110



Right In: -5.284+/-0.551 χ^2/NDF: 4851.3/28

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

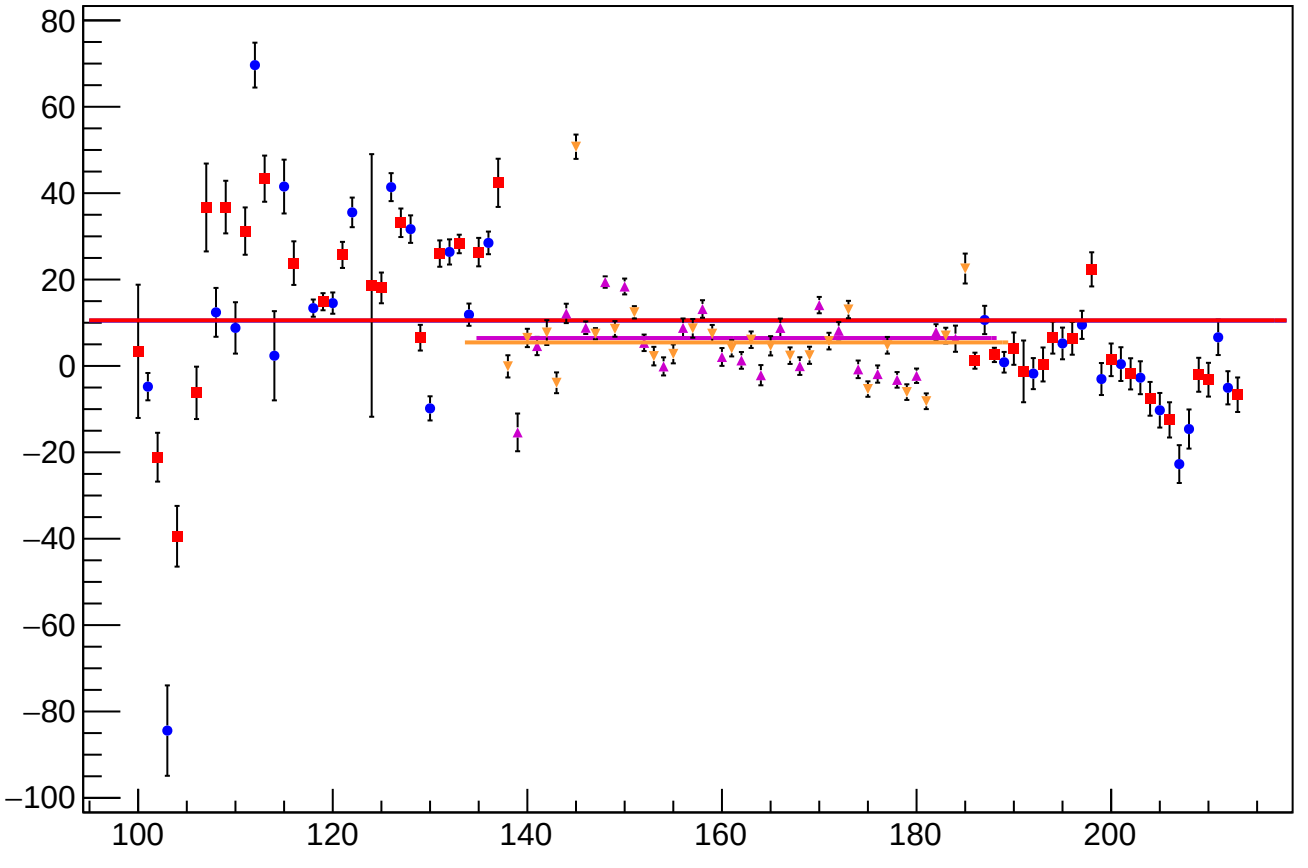
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -4.705+/-0.370 χ^2/NDF: 10706.1/62

In: -7.845+/-0.380 χ^2/NDF:7411.0/51

Out: -6.207+/-0.358 χ^2/NDF:8444.7/58

All: -6.977+/-0.261 χ^2/NDF: 15865.5/110



Right In: 10.492+/-0.634 χ^2/NDF: 778.8/28

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

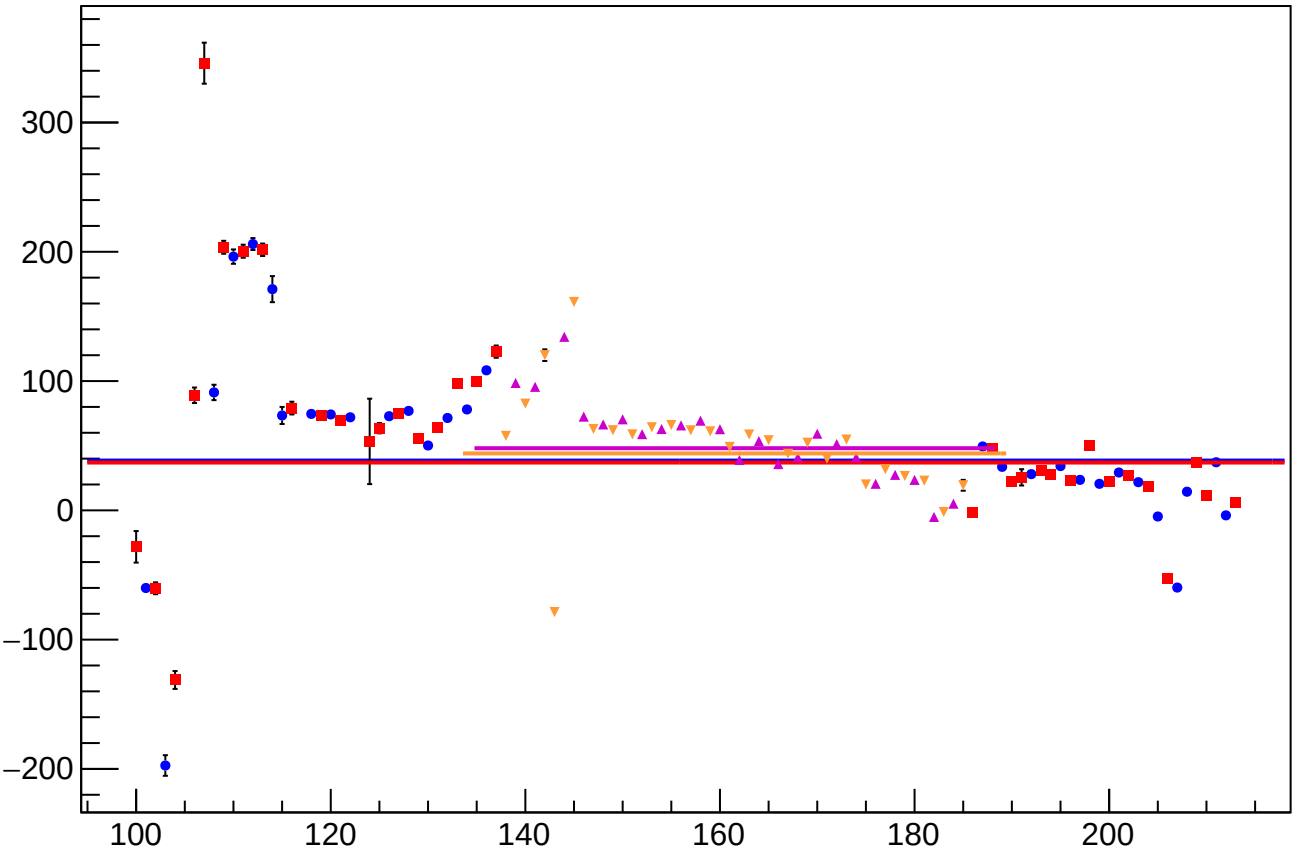
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 10.528+/-0.434 χ^2/NDF: 1369.9/62

In: 7.642+/-0.343 χ^2/NDF:1143.4/51

Out: 6.998+/-0.329 χ^2/NDF:1136.0/58

All: 7.306+/-0.237 χ^2/NDF: 2281.2/110



Right In: 38.503+/-0.543 χ^2/NDF: 8218.2/28

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

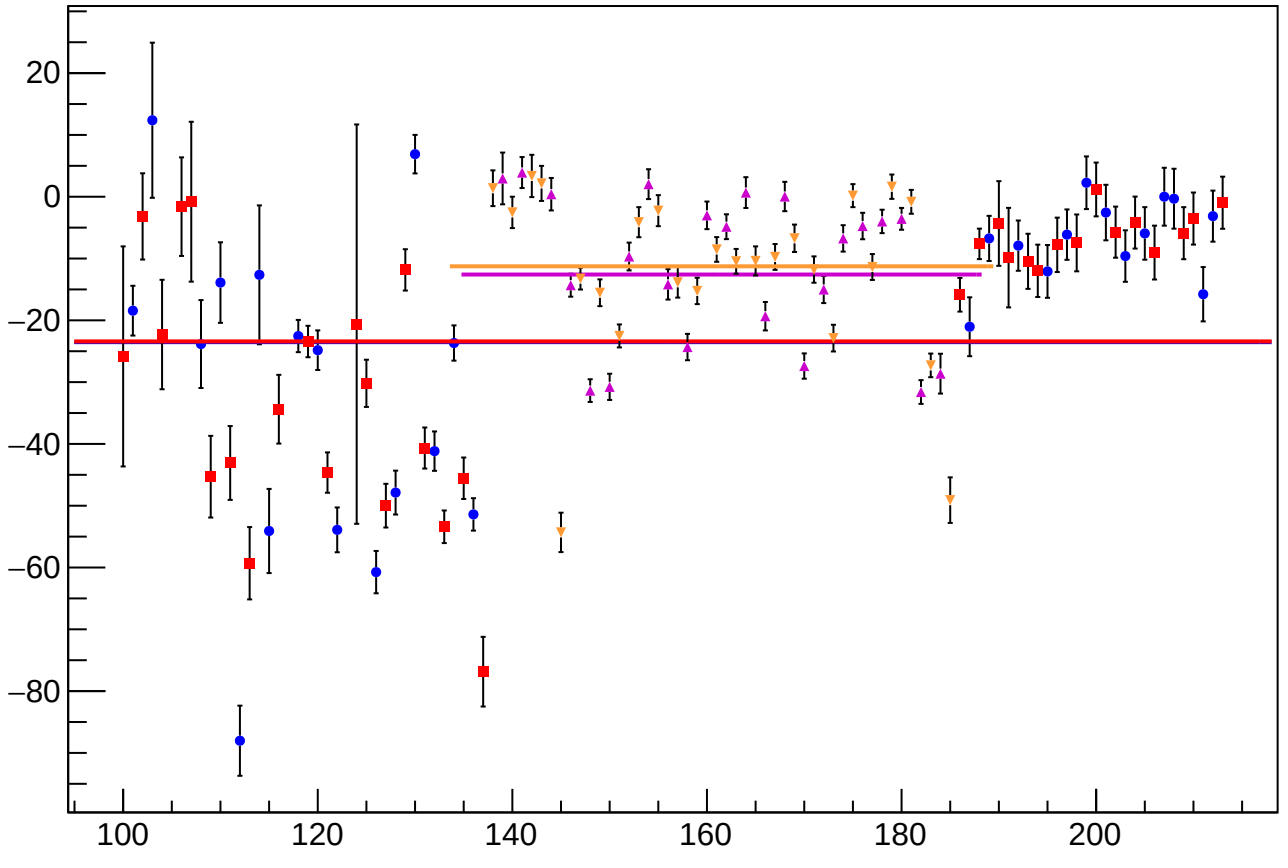
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 37.642+/-0.357 χ^2/NDF: 17547.5/62

In: 43.483+/-0.376 χ^2/NDF:11756.6/51

Out: 40.261+/-0.348 χ^2/NDF:13991.2/58

All: 41.746+/-0.255 χ^2/NDF: 25787.4/110



Right In: -23.530+/-0.738 χ^2/NDF: 860.4/28

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

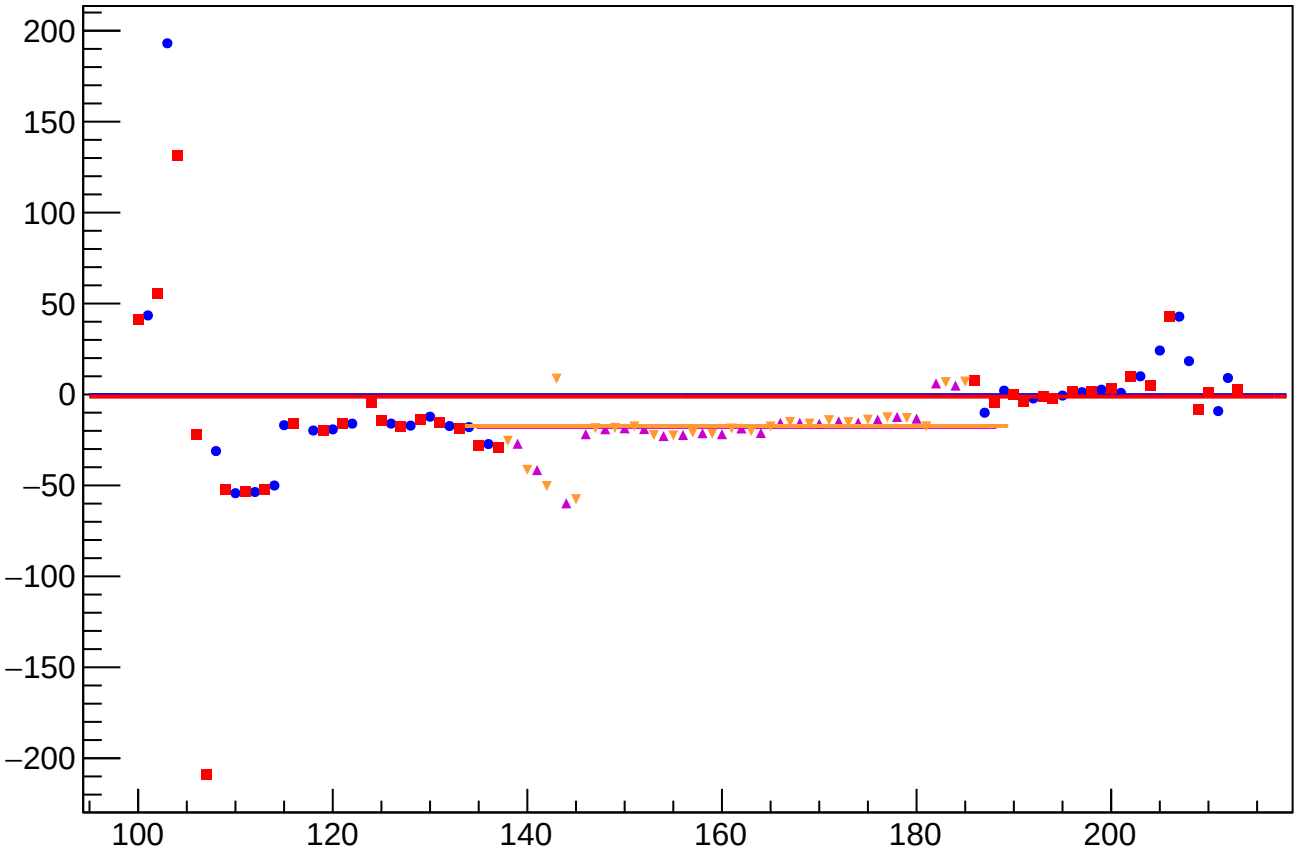
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -23.470+/-0.514 χ^2/NDF: 1595.7/62

In: -15.641+/-0.390 χ^2/NDF:1690.9/51

Out: -14.635+/-0.378 χ^2/NDF:1585.8/58

All: -15.123+/-0.271 χ^2/NDF: 3280.1/110



Right In: -0.352+/-0.035 χ^2/NDF: 647680.2/28

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

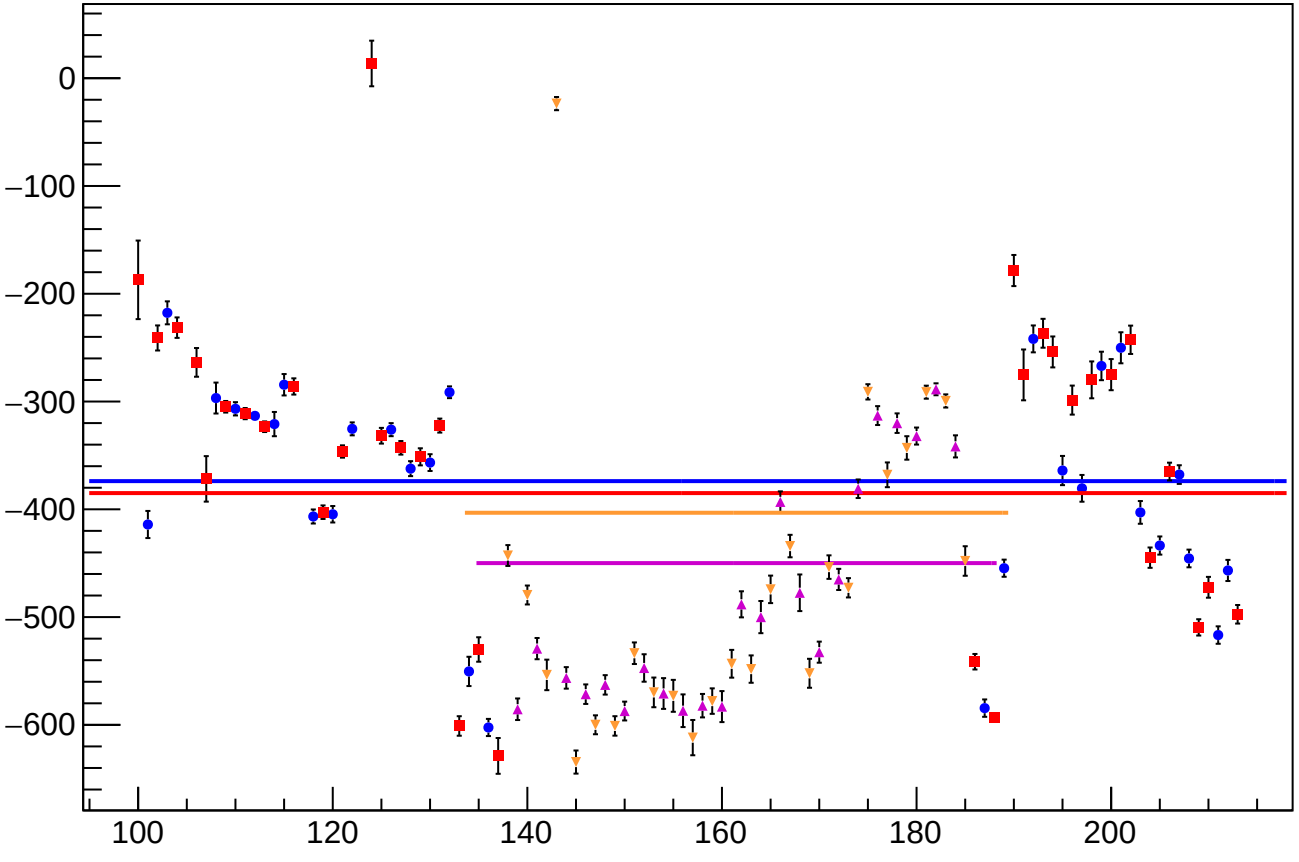
Right: -0.775+/-0.024 χ^2/NDF: 1219645.6/62

In: -13.345+/-0.017 χ^2/NDF:1105455.7/51

Out: -13.113+/-0.017 χ^2/NDF:1090356.9/58

All: -13.227+/-0.012 χ^2/NDF: 2195902.1/110

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -373.848+/-1.512 χ^2/NDF: 3605.8/28

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

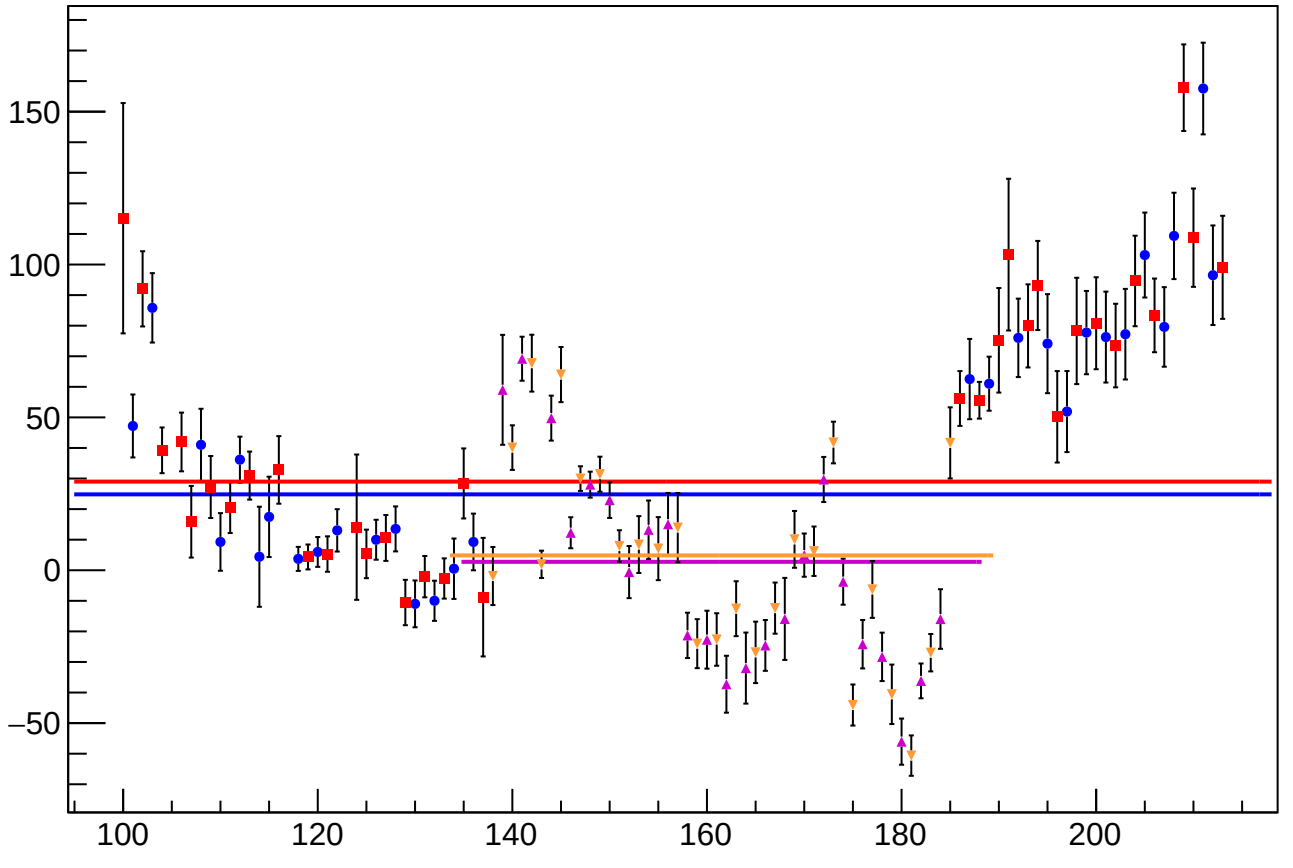
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -379.773+/-1.032 χ^2/NDF: 10554.2/62

In: -400.761+/-1.215 χ^2/NDF:7720.3/51

Out: -391.328+/-1.140 χ^2/NDF:14728.2/58

All: -395.742+/-0.831 χ^2/NDF: 22480.5/110



Right In: 24.825+/-1.650 χ^2/NDF: 432.3/28

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

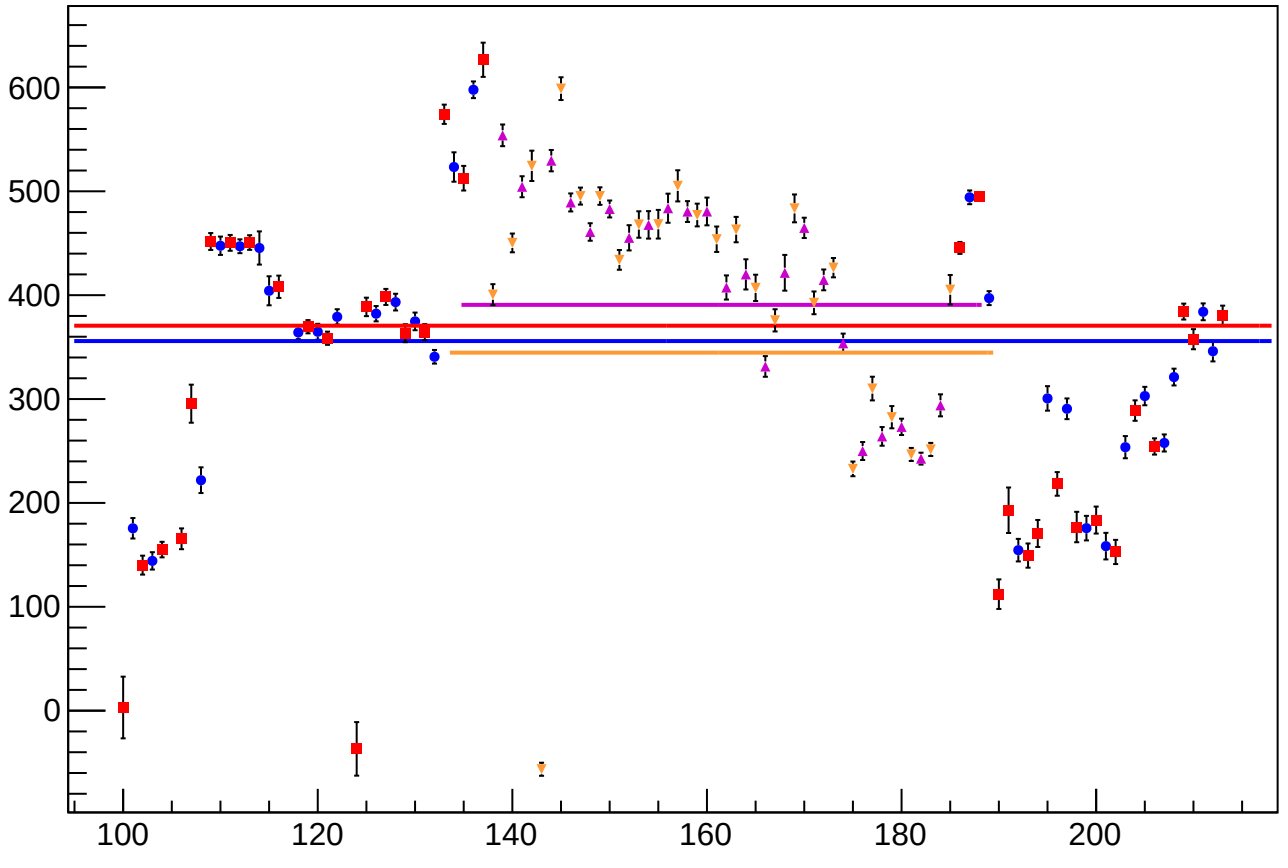
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 26.965+/-1.151 χ^2/NDF: 894.2/62

In: 13.134+/-1.131 χ^2/NDF:926.8/51

Out: 15.669+/-1.075 χ^2/NDF:1040.4/58

All: 14.466+/-0.779 χ^2/NDF: 1969.8/110



Right In: 355.816+/-1.607 χ^2/NDF: 4189.5/28

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

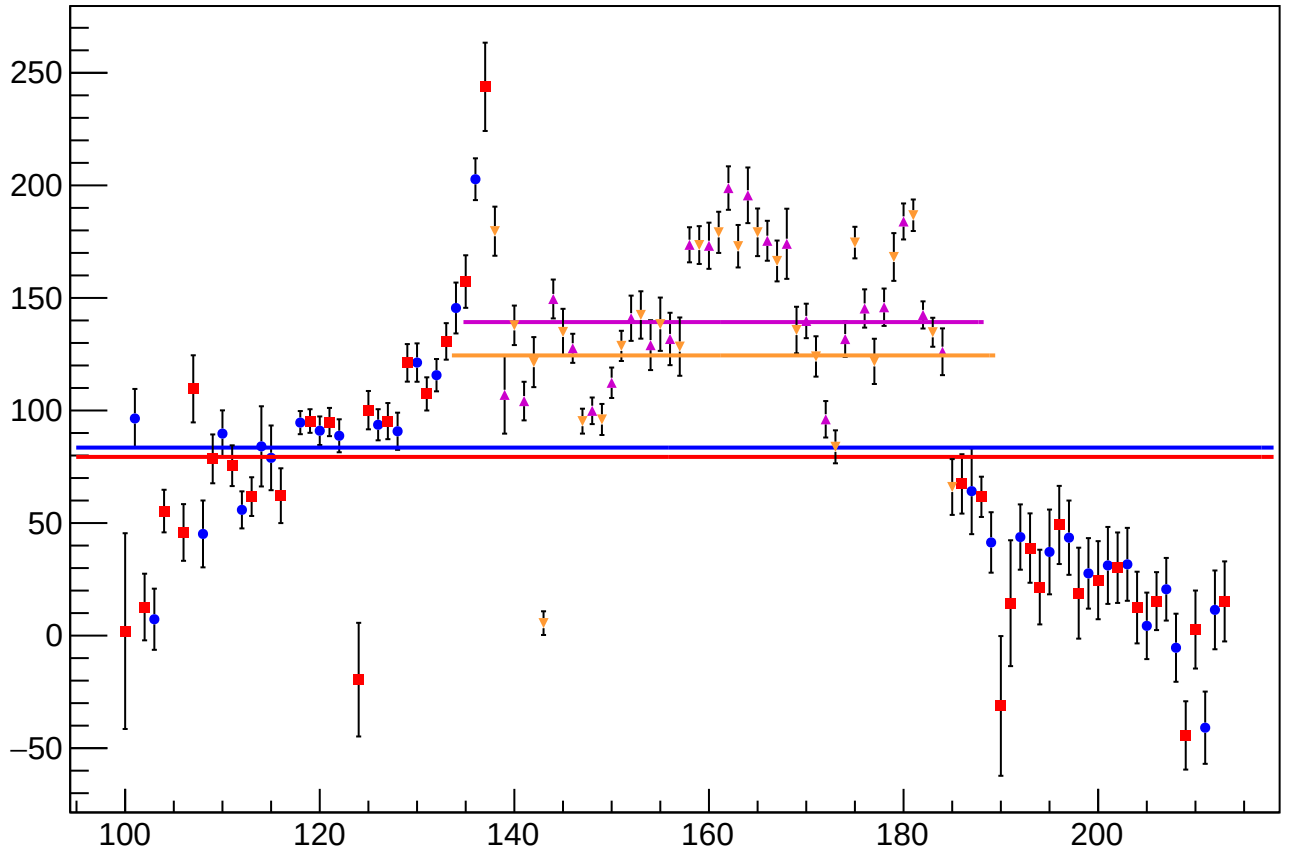
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 363.878+/-1.084 χ^2/NDF: 11450.0/62

In: 369.249+/-1.260 χ^2/NDF:7043.6/51

Out: 361.064+/-1.168 χ^2/NDF:14607.3/58

All: 364.846+/-0.856 χ^2/NDF: 21673.5/110



Right In: 83.523+/-1.926 χ^2/NDF: 518.8/28

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

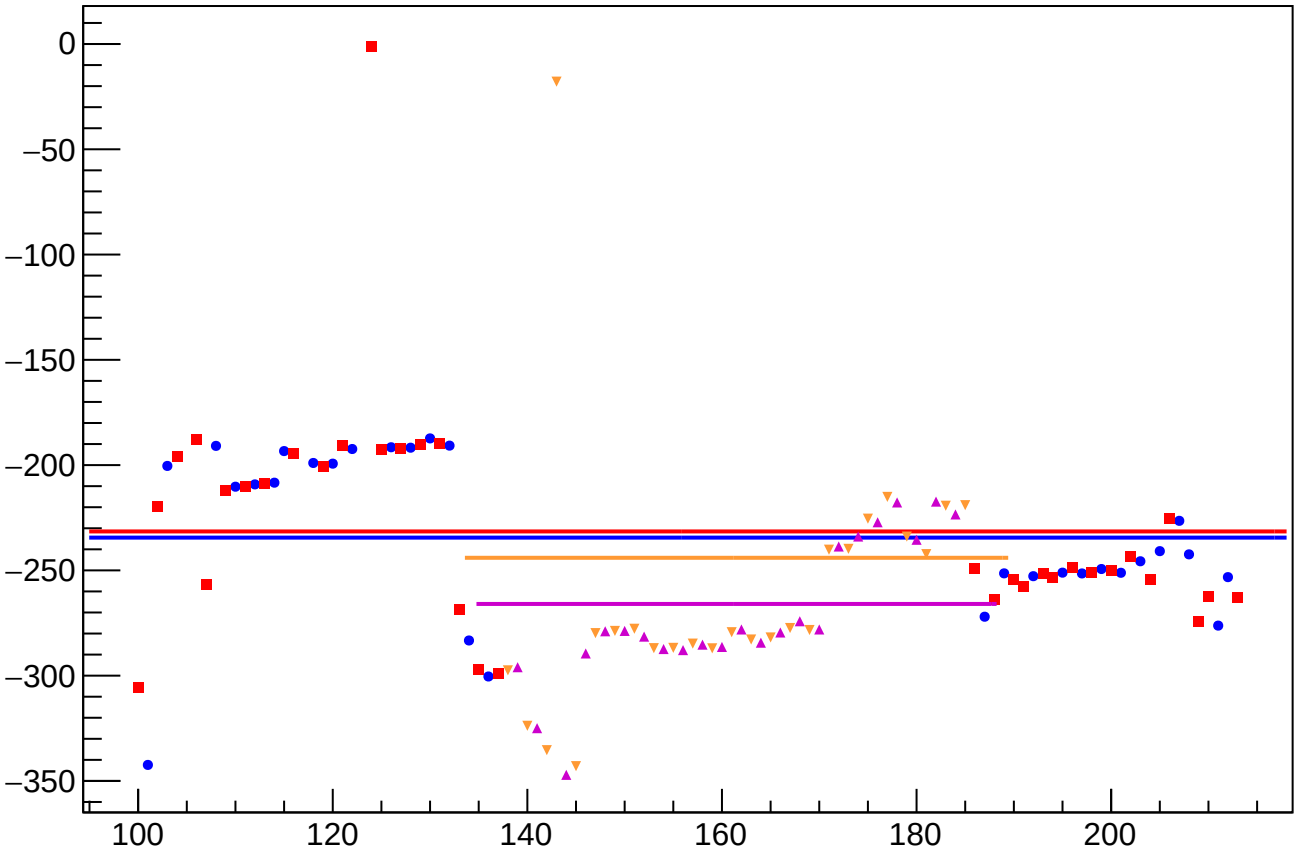
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 81.409+/-1.348 χ^2/NDF: 1018.8/62

In: 113.755+/-1.303 χ^2/NDF:1234.1/51

Out: 104.763+/-1.247 χ^2/NDF:1757.0/58

All: 109.061+/-0.901 χ^2/NDF: 3015.9/110



Right In: -234.439+/-0.105 χ^2/NDF: 139898.7/28

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -231.503+/-0.100 χ^2/NDF: 118045.0/33

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

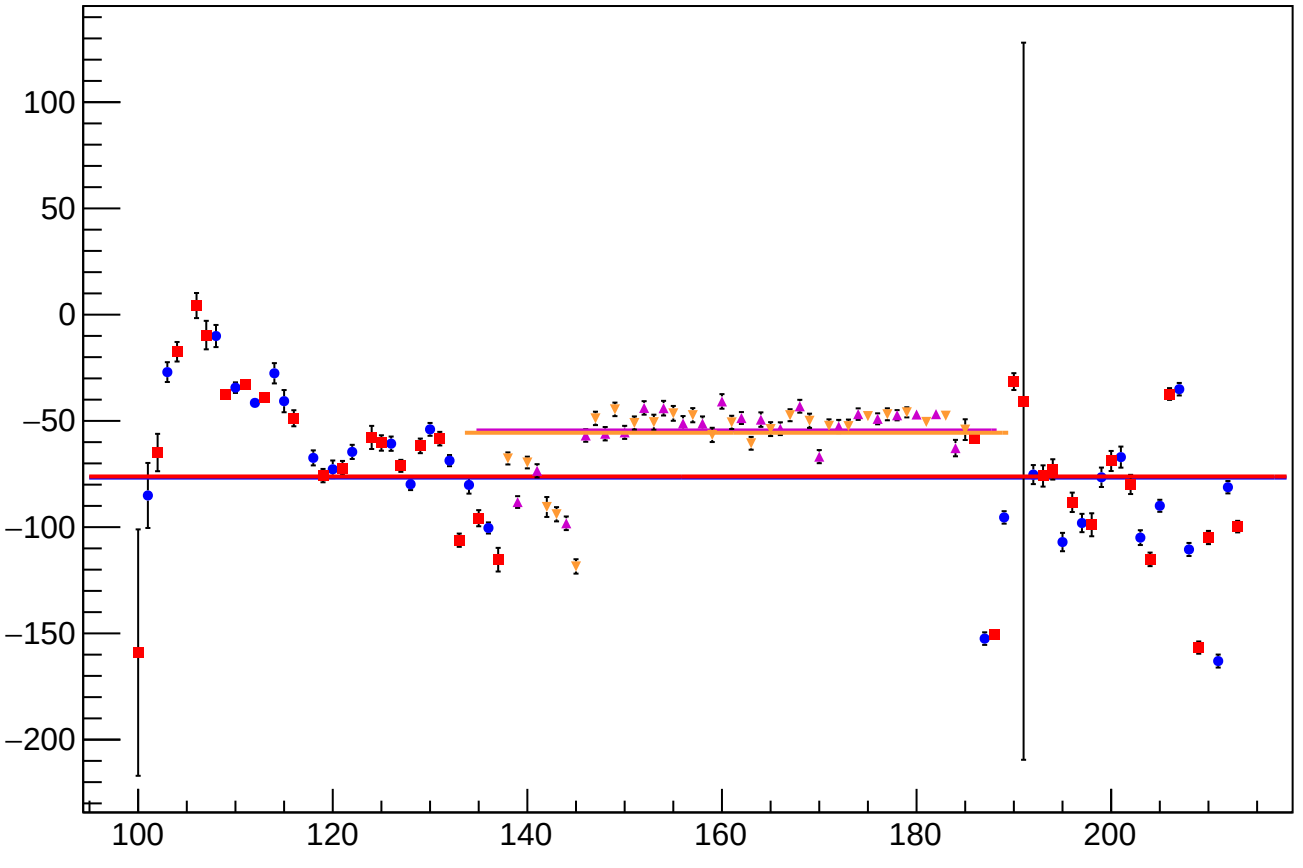
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -232.909+/-0.073 χ^2/NDF: 258352.4/62

In: -254.254+/-0.064 χ^2/NDF:366681.3/51

Out: -239.363+/-0.061 χ^2/NDF:1125754.2/58

All: -246.503+/-0.044 χ^2/NDF: 1520752.6/11



Right In: -76.676+/-0.622 χ^2/NDF: 3161.4/28

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

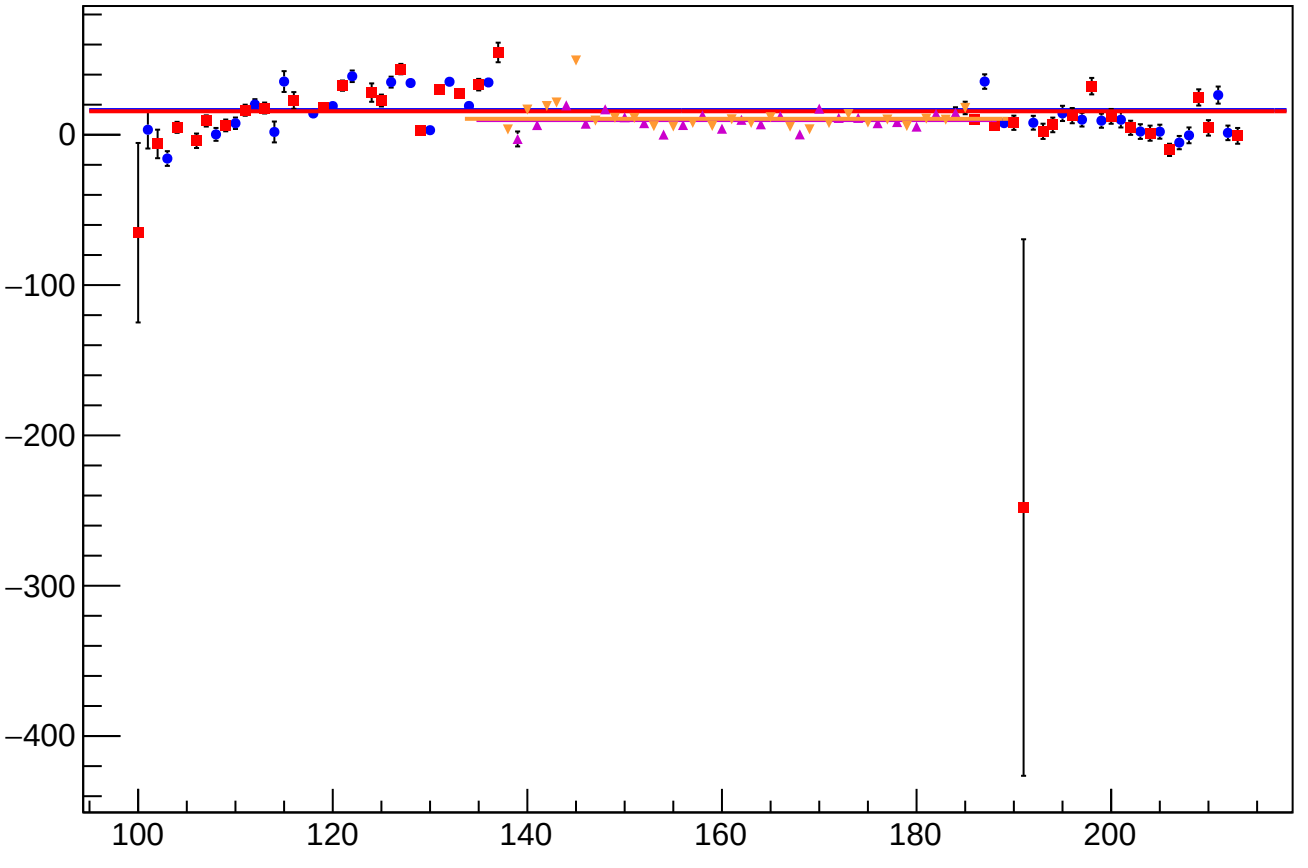
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -76.388+/-0.417 χ^2/NDF: 8296.3/62

In: -65.300+/-0.434 χ^2/NDF:4313.5/51

Out: -66.361+/-0.407 χ^2/NDF:6458.4/58

All: -65.865+/-0.297 χ^2/NDF: 10775.1/110



Right In: 16.425+/-0.719 χ^2/NDF: 360.6/28

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

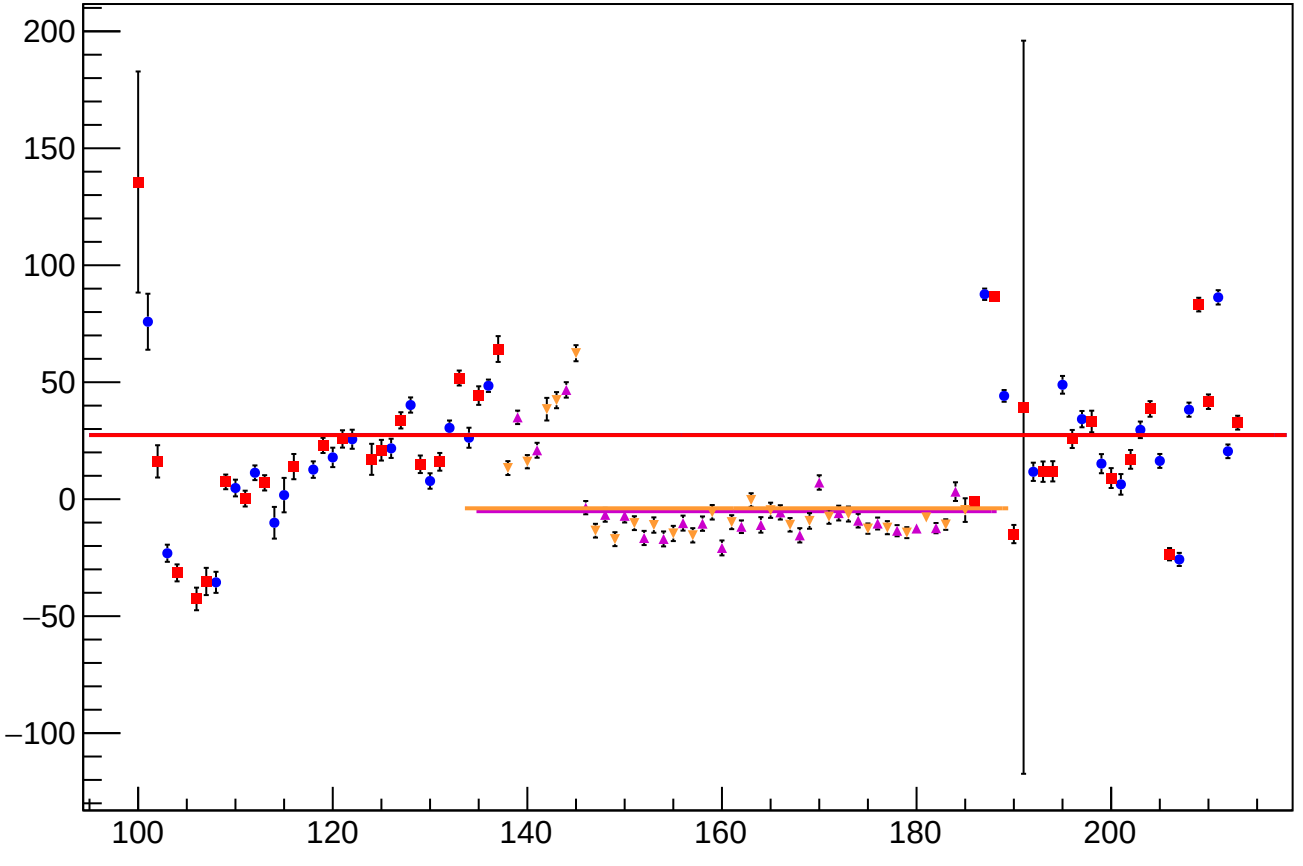
Right: 15.989+/-0.487 χ^2/NDF: 739.8/62

In: 11.739+/-0.392 χ^2/NDF:541.9/51

Out: 12.183+/-0.372 χ^2/NDF:672.9/58

All: 11.973+/-0.270 χ^2/NDF: 1215.5/110

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.448+/-0.645 χ^2/NDF: 2155.3/28

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

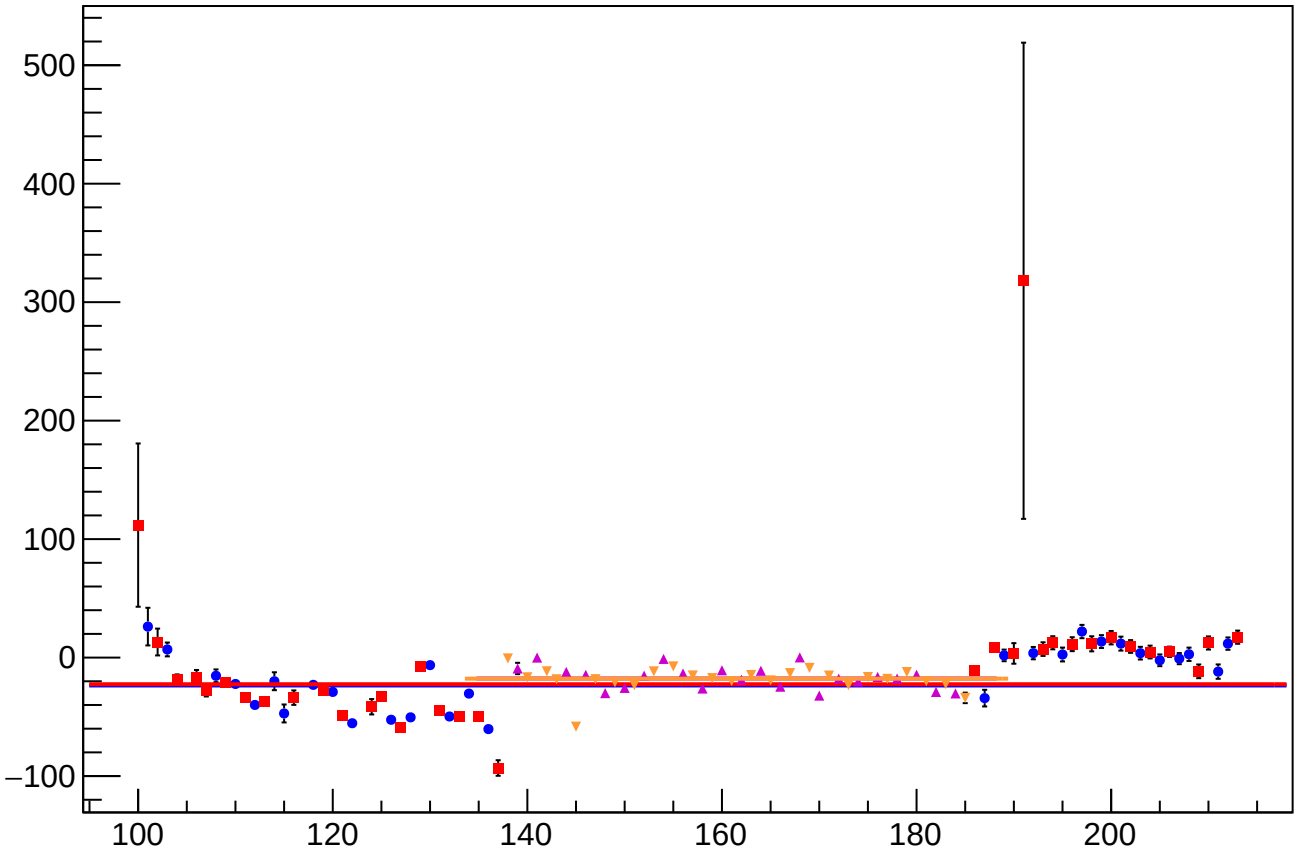
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 27.423+/-0.425 χ^2/NDF: 6236.5/62

In: 9.973+/-0.439 χ^2/NDF:4172.8/51

Out: 12.286+/-0.407 χ^2/NDF:6410.9/58

All: 11.218+/-0.298 χ^2/NDF: 10598.6/110



Right In: -23.520+/-0.828 χ^2/NDF: 842.2/28

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

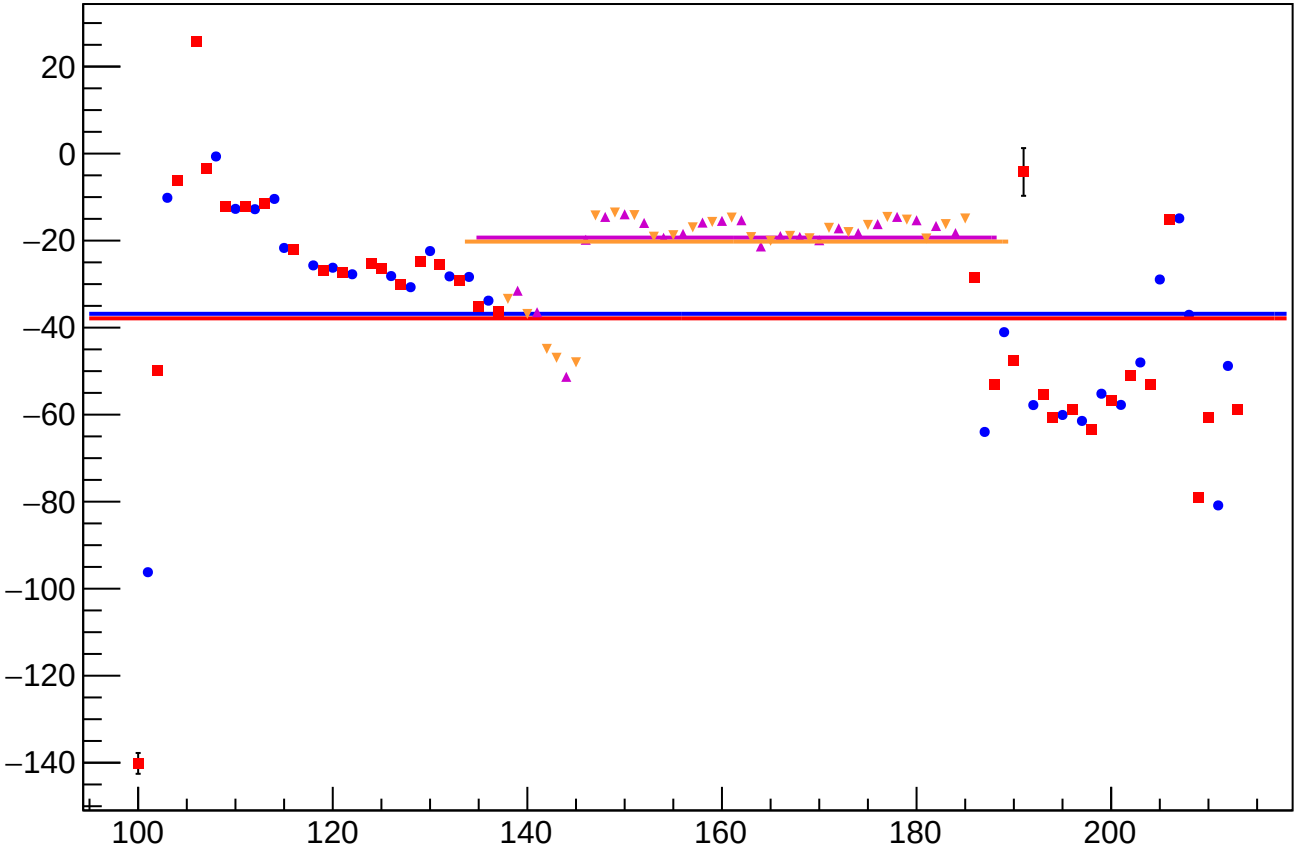
Right: -22.977+/-0.570 χ^2/NDF: 1838.2/62

In: -19.332+/-0.444 χ^2/NDF:1164.0/51

Out: -19.166+/-0.427 χ^2/NDF:1272.0/58

All: -19.246+/-0.308 χ^2/NDF: 2436.1/110

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -36.824+/-0.040 χ^2/NDF: 240413.4/28

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

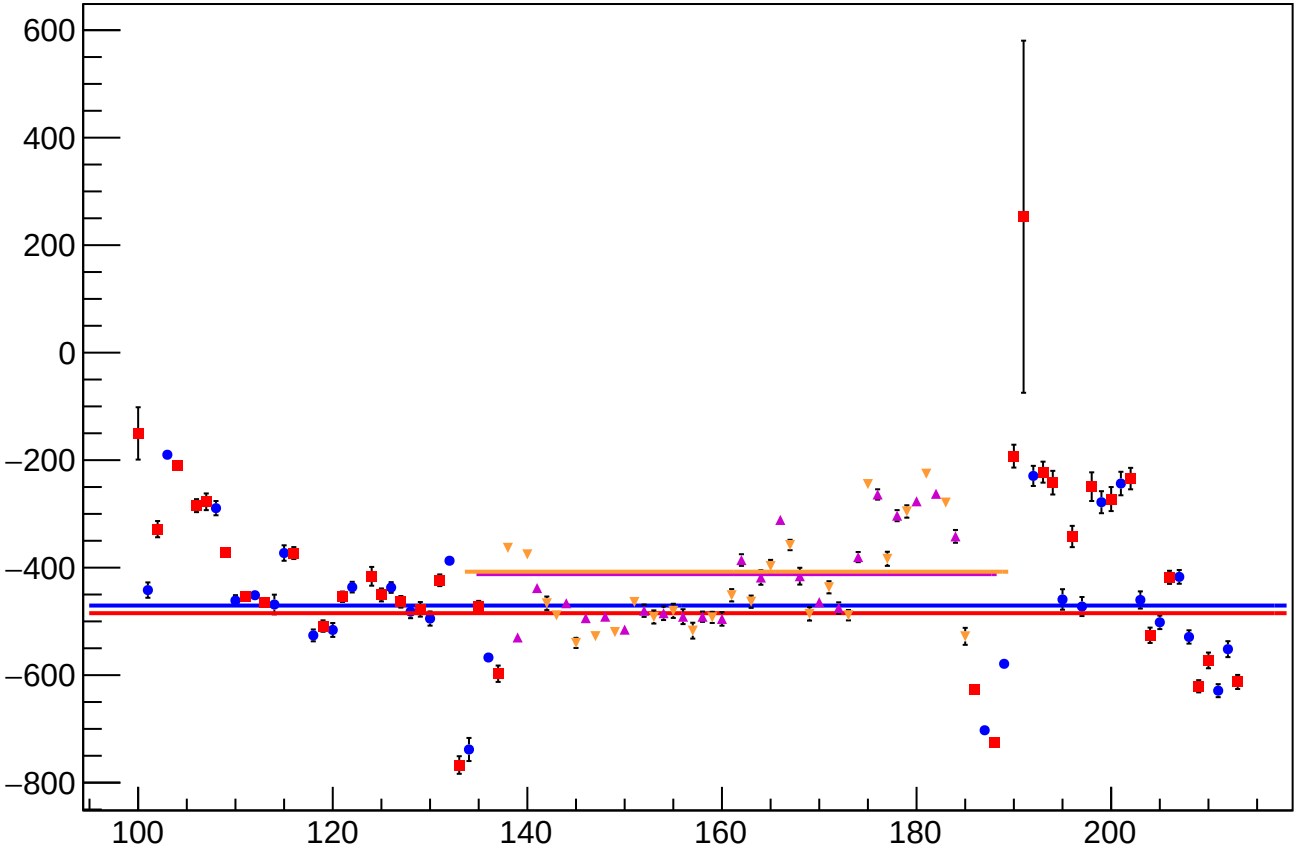
Right: -37.360+/-0.028 χ^2/NDF: 571988.4/62

In: -23.744+/-0.020 χ^2/NDF:476966.2/51

Out: -24.717+/-0.020 χ^2/NDF:630222.5/58

All: -24.239+/-0.014 χ^2/NDF: 1108381.6/110

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -470.531+/-2.185 χ^2/NDF: 3068.6/28

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

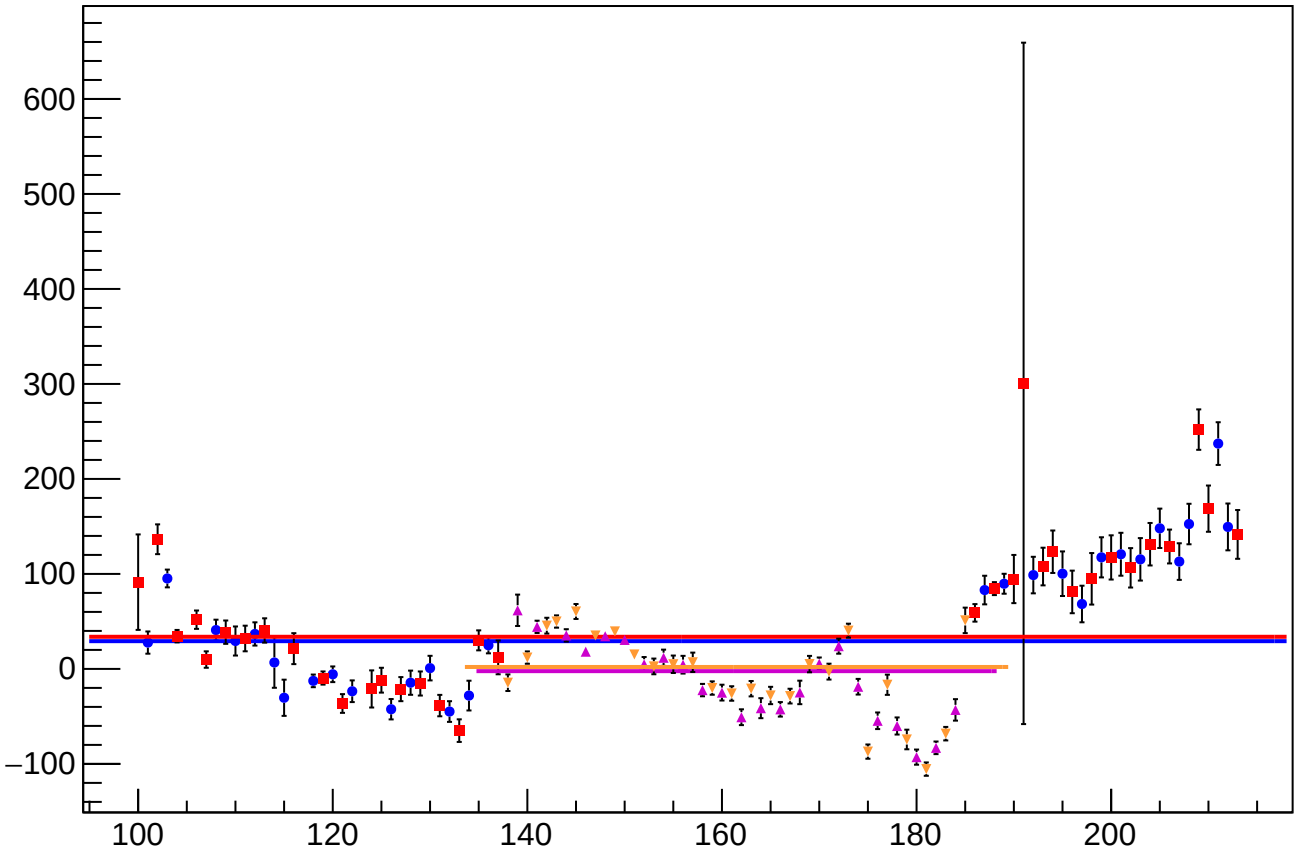
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -478.402+/-1.458 χ^2/NDF: 9498.7/62

In: -438.862+/-1.479 χ^2/NDF:5638.6/51

Out: -446.020+/-1.382 χ^2/NDF:10059.1/58

All: -442.684+/-1.009 χ^2/NDF: 15710.2/110



Right In: 29.206+/-2.410 χ^2/NDF: 577.3/28

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

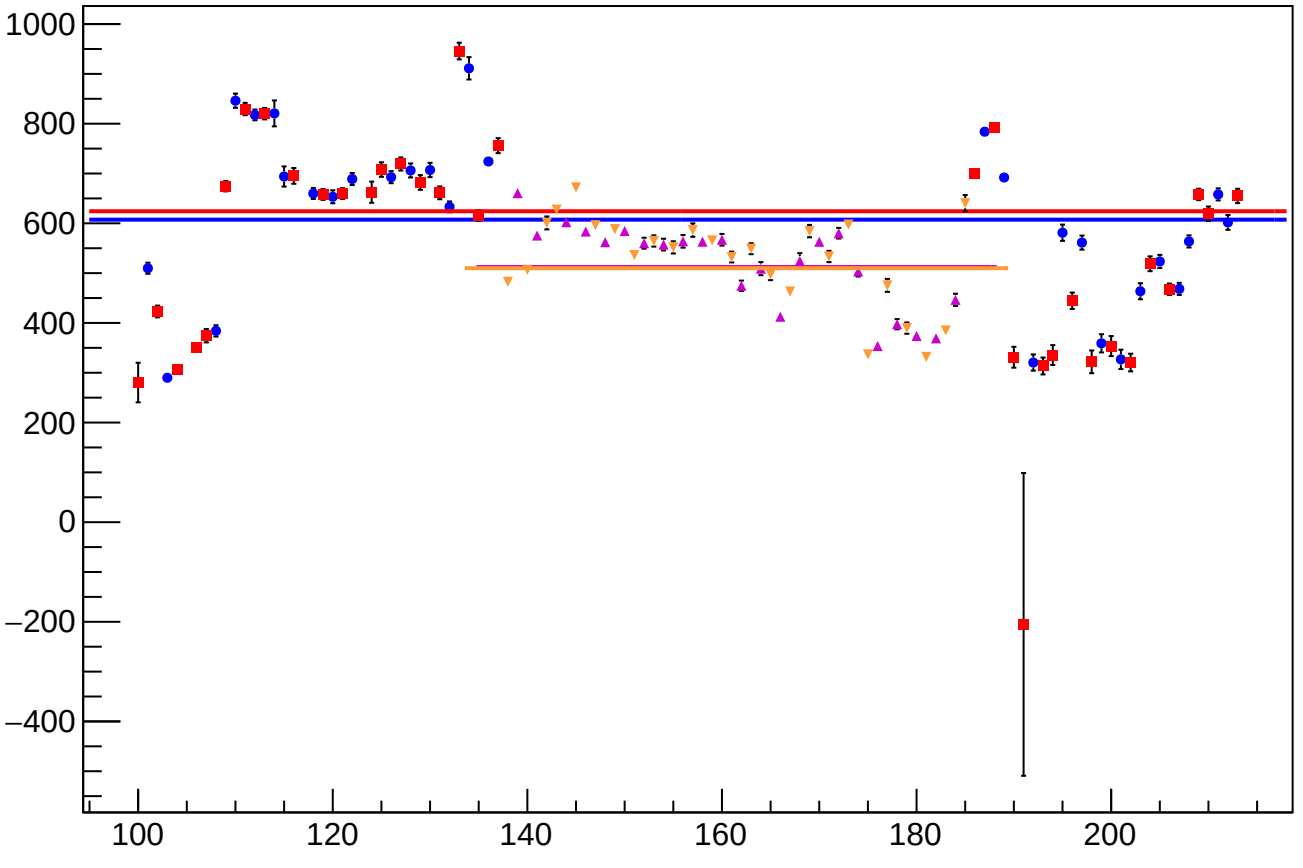
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 31.744+/-1.617 χ^2/NDF: 1226.1/62

In: 6.300+/-1.263 χ^2/NDF:1435.2/51

Out: 11.561+/-1.193 χ^2/NDF:1706.4/58

All: 9.079+/-0.867 χ^2/NDF: 3150.7/110



Right In: 607.348+/-2.204 χ^2/NDF: 5544.7/28

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

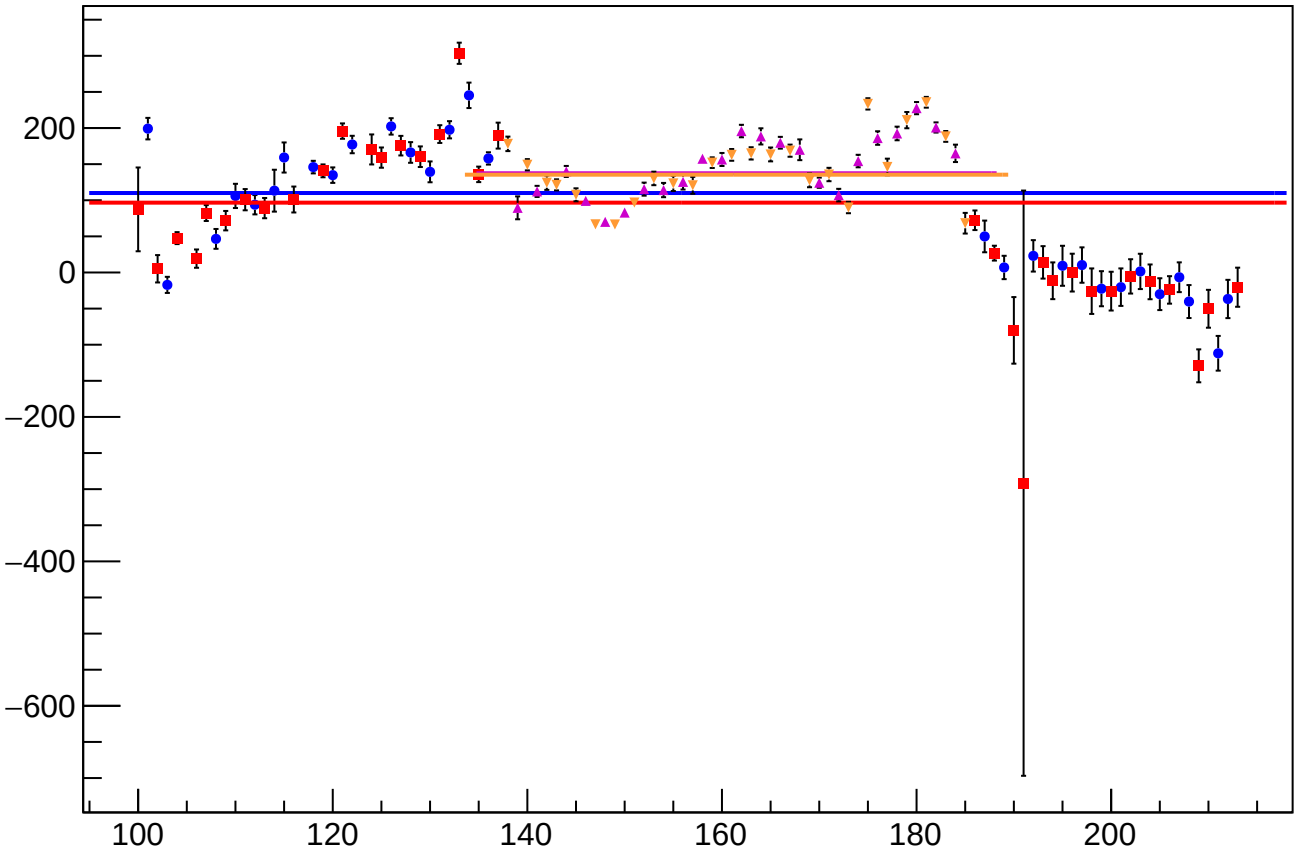
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 616.974+/-1.447 χ^2/NDF: 14398.6/62

In: 554.816+/-1.475 χ^2/NDF:8660.2/51

Out: 567.620+/-1.362 χ^2/NDF:13244.1/58

All: 561.724+/-1.001 χ^2/NDF: 21945.0/110



Right In: 110.040+/-2.817 χ^2/NDF: 877.8/28

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

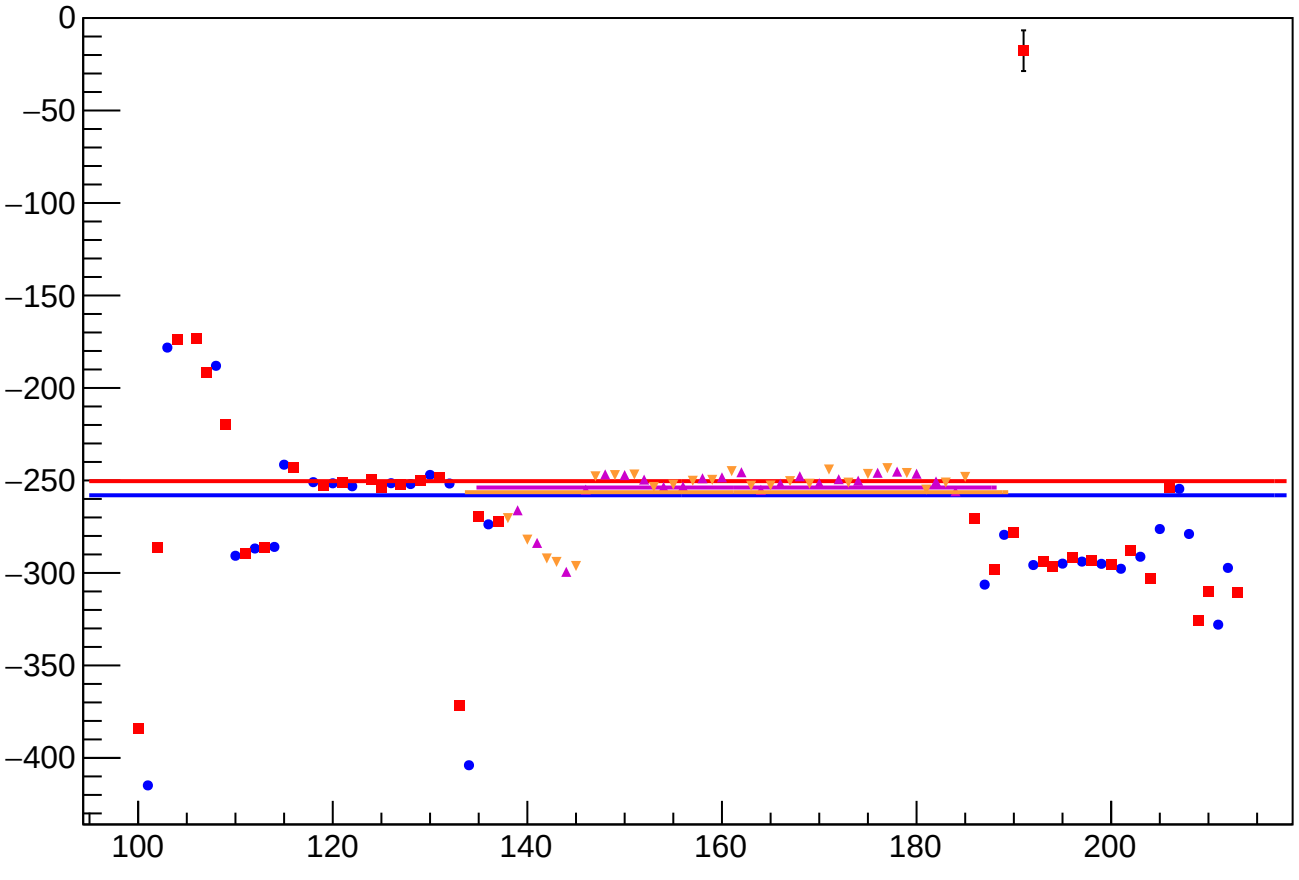
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 102.865+/-1.916 χ^2/NDF: 1861.0/62

In: 130.063+/-1.457 χ^2/NDF:1652.7/51

Out: 124.382+/-1.394 χ^2/NDF:2051.3/58

All: 127.098+/-1.007 χ^2/NDF: 3711.9/110



Right In: -258.014+/-0.134 χ^2/NDF: 203544.7/28

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

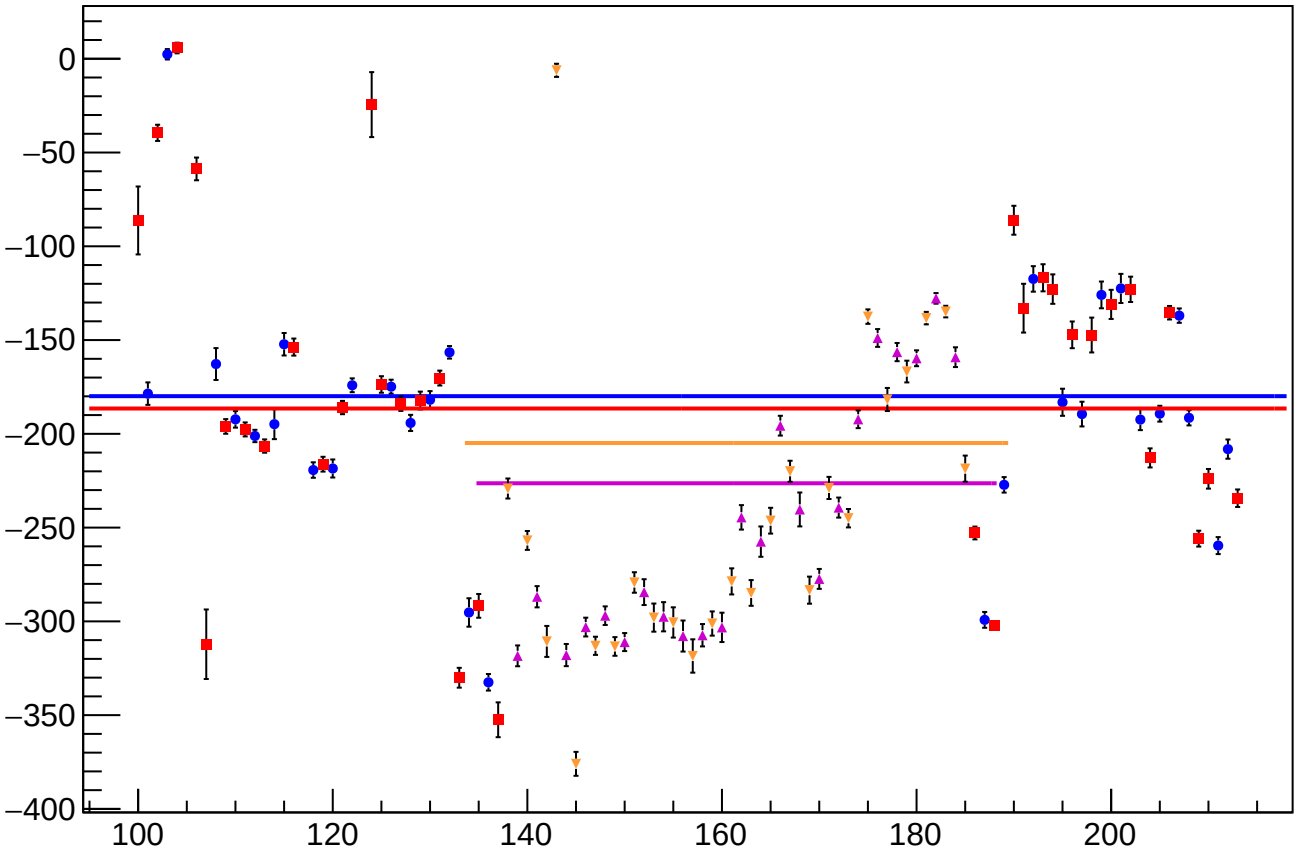
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -254.032+/-0.093 χ^2/NDF: 363502.1/62

In: -254.873+/-0.067 χ^2/NDF:228352.7/51

Out: -254.770+/-0.066 χ^2/NDF:199367.9/58

All: -254.821+/-0.047 χ^2/NDF: 427721.8/110



Right In: -179.917+/-0.851 χ^2/NDF: 7634.9/28

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

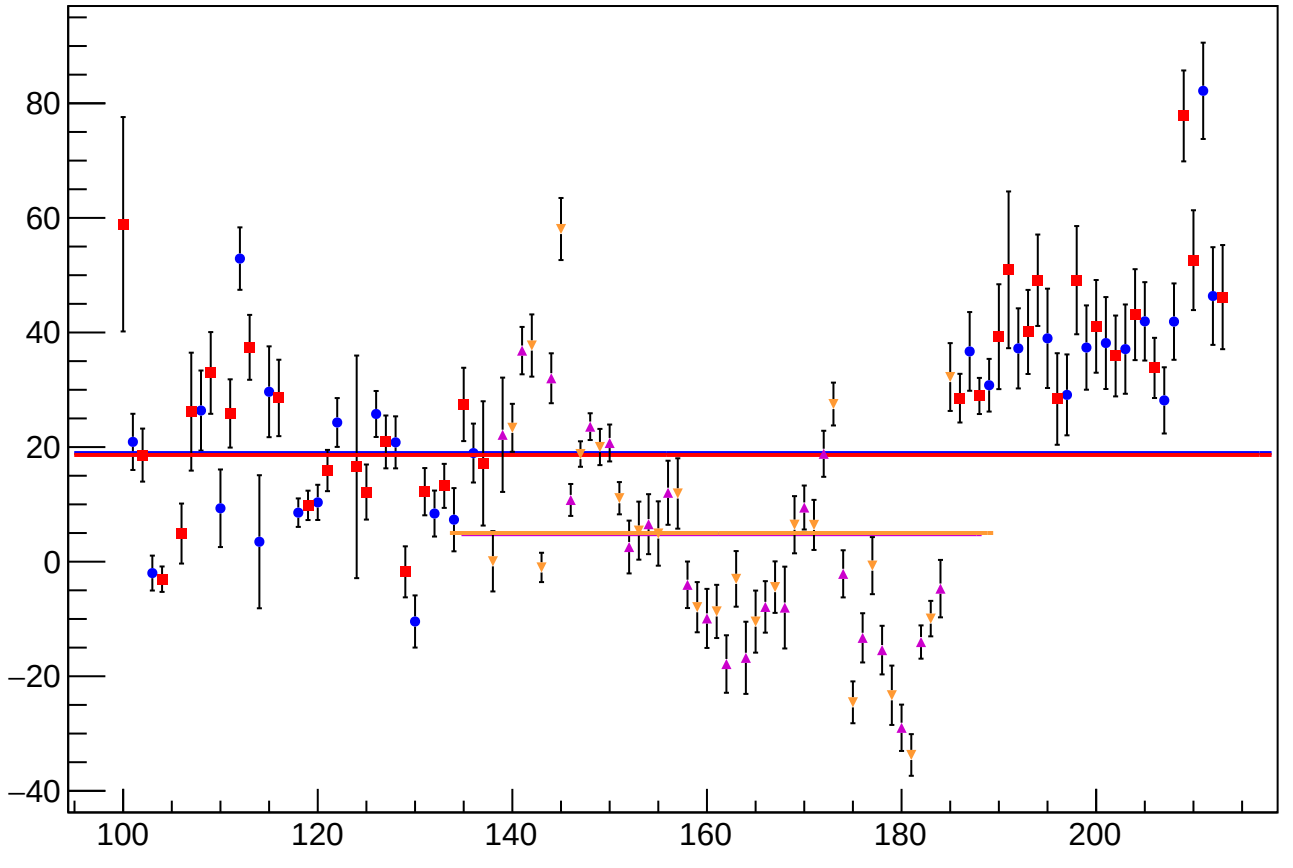
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -183.430+/-0.581 χ^2/NDF: 19690.4/62

In: -197.201+/-0.674 χ^2/NDF:12963.4/51

Out: -193.185+/-0.634 χ^2/NDF:20044.4/58

All: -195.071+/-0.462 χ^2/NDF: 33026.6/110



Right In: 18.952+/-0.938 χ^2/NDF: 313.5/28

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

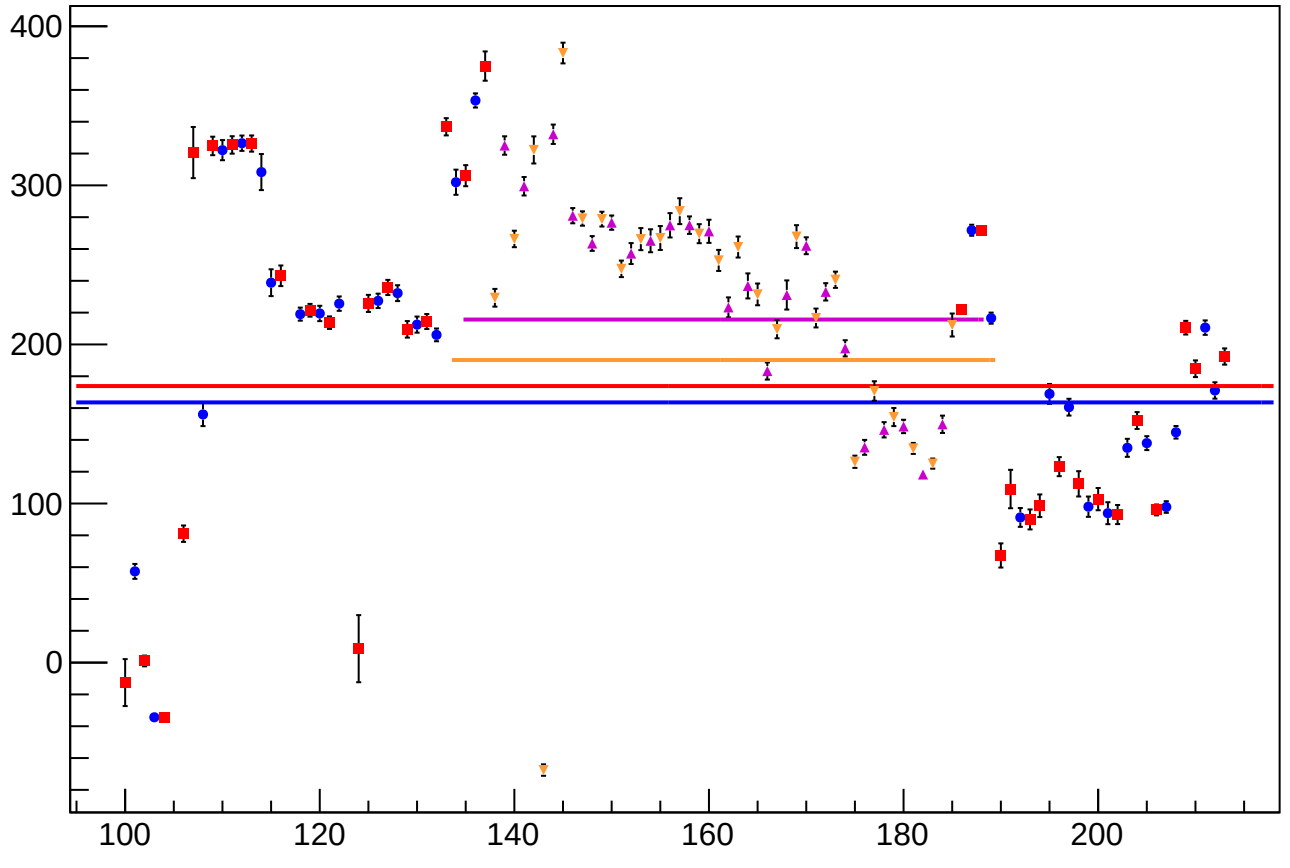
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 18.779+/-0.641 χ^2/NDF: 655.1/62

In: 11.154+/-0.628 χ^2/NDF:865.3/51

Out: 11.124+/-0.589 χ^2/NDF:1022.5/58

All: 11.138+/-0.430 χ^2/NDF: 1887.8/110



Right In: 163.563+/-0.851 χ^2/NDF: 16034.8/28

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

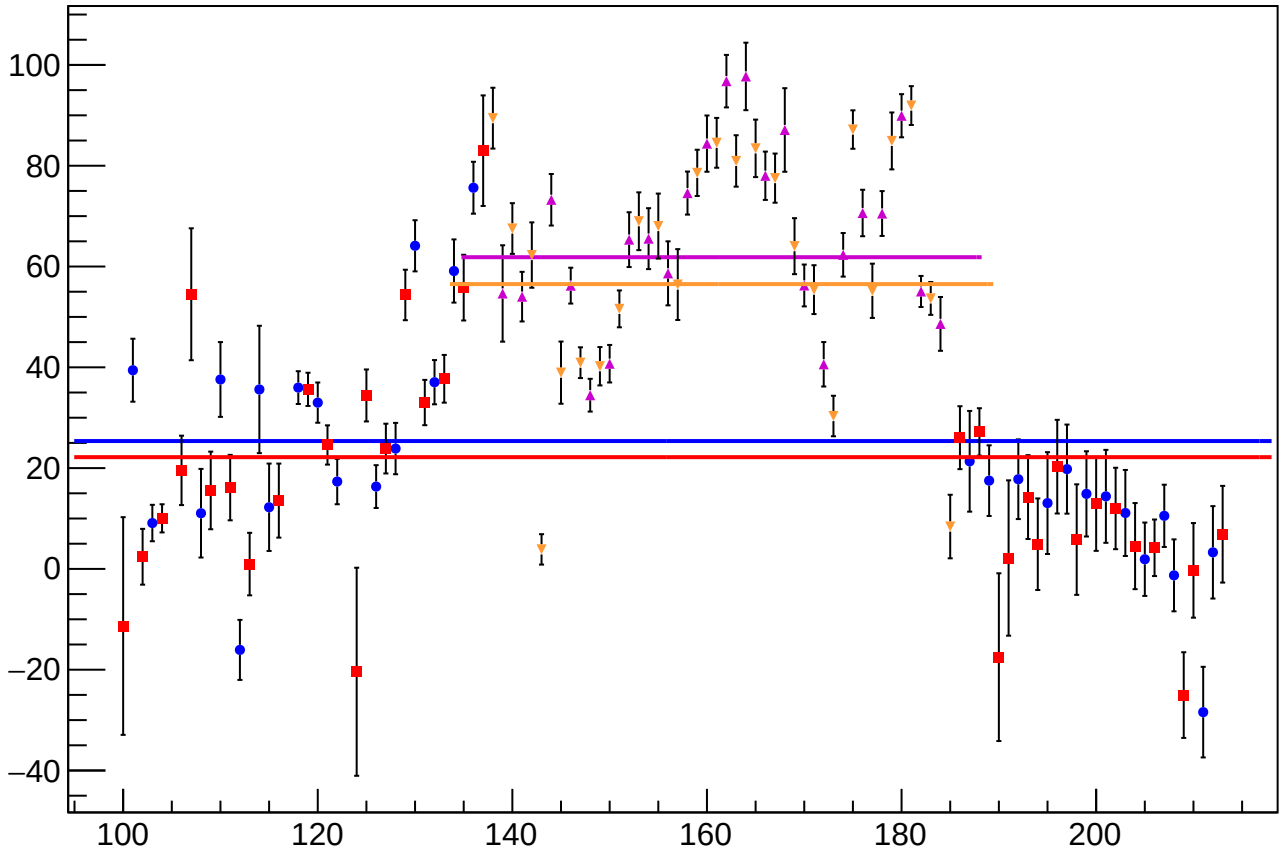
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 169.179+/-0.573 χ^2/NDF: 37578.6/62

In: 183.109+/-0.673 χ^2/NDF:21326.0/51

Out: 179.624+/-0.624 χ^2/NDF:31005.4/58

All: 181.235+/-0.457 χ^2/NDF: 52345.9/110



Right In: 25.369+/-1.096 χ^2/NDF: 375.4/28

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

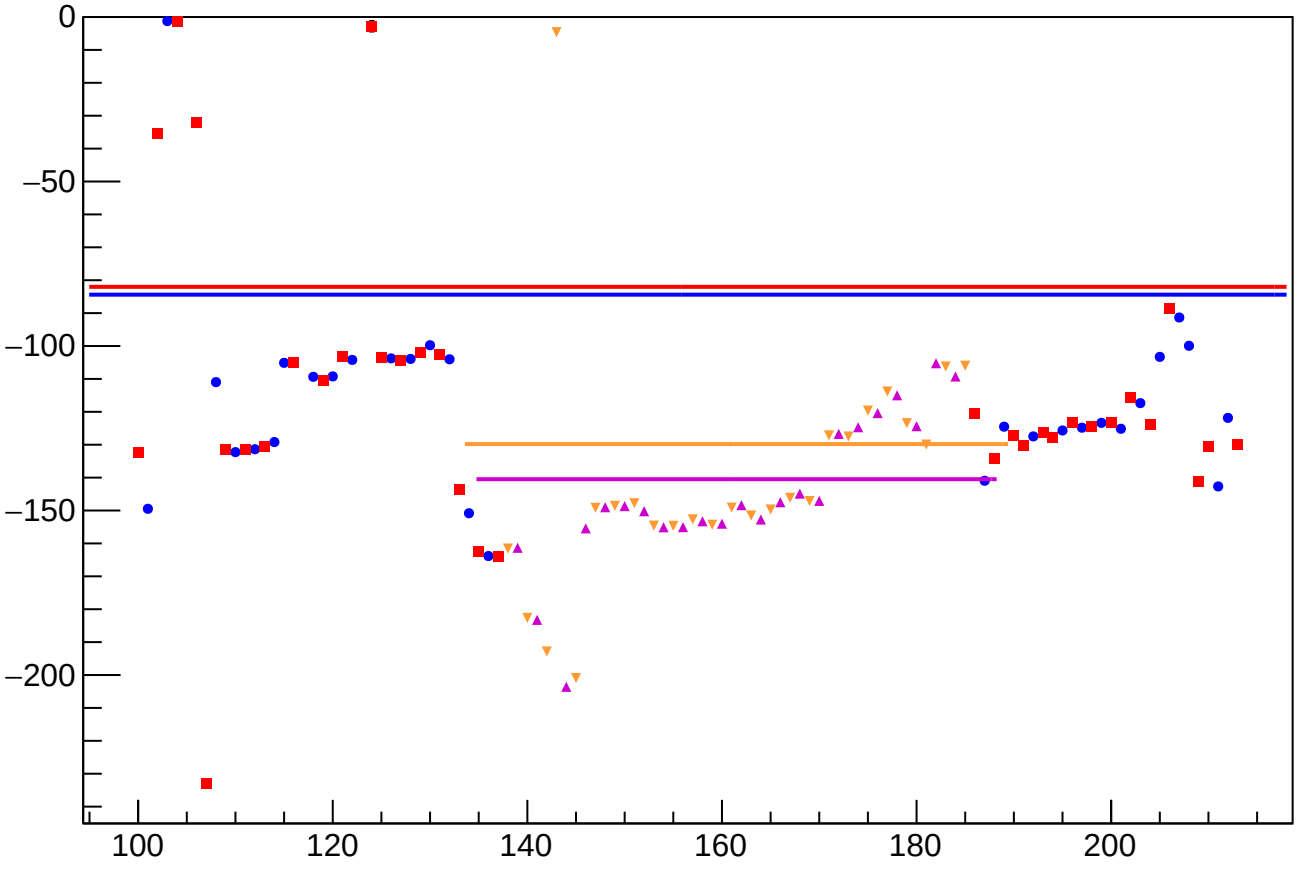
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 23.698+/-0.757 χ^2/NDF: 648.9/62

In: 45.983+/-0.723 χ^2/NDF:1322.3/51

Out: 41.747+/-0.686 χ^2/NDF:1681.7/58

All: 43.755+/-0.498 χ^2/NDF: 3022.1/110



Right In: -84.390+/-0.051 χ^2/NDF: 1328799.5/28

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

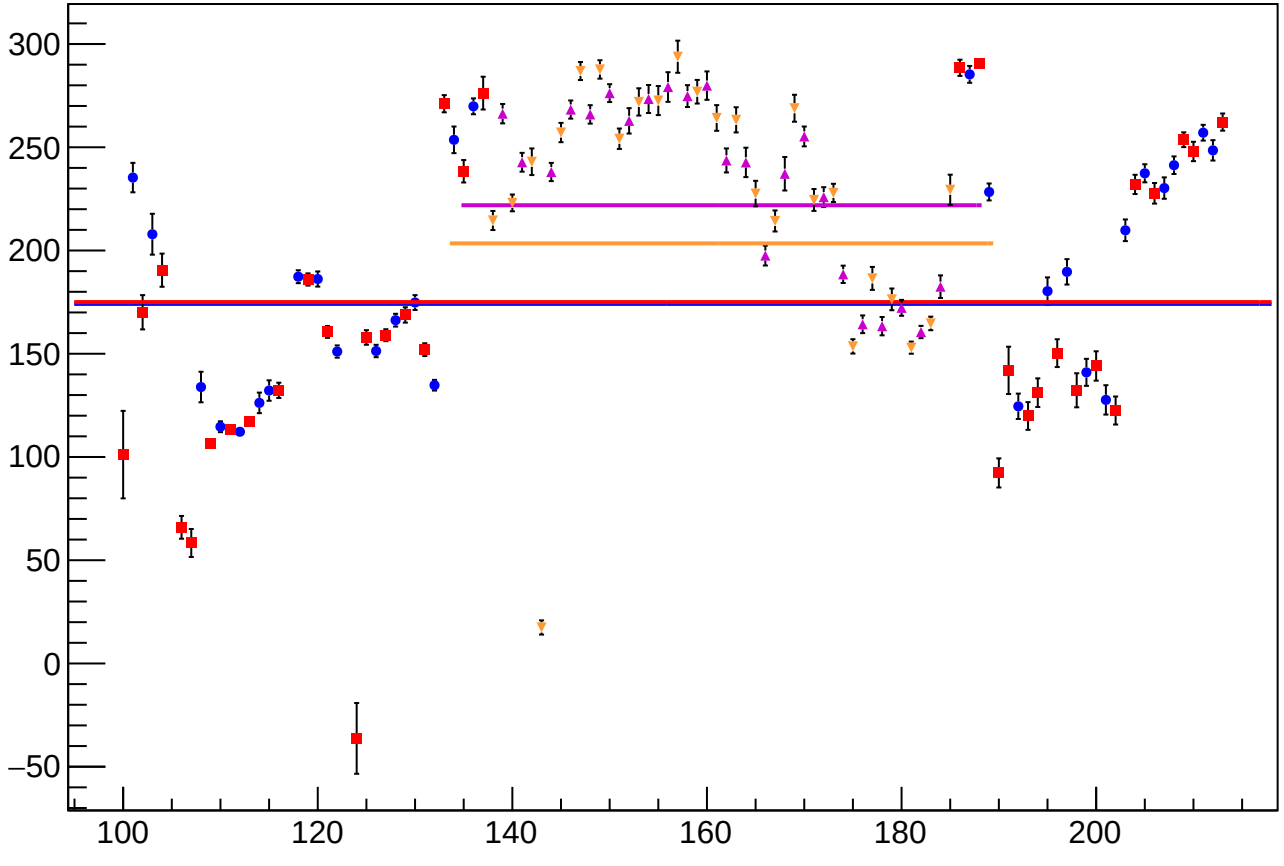
Right: -83.161+/-0.035 χ^2/NDF: 2632905.9/62

In: -116.512+/-0.033 χ^2/NDF:2288339.5/51

Out: -109.400+/-0.032 χ^2/NDF:2876843.3/58

All: -112.832+/-0.023 χ^2/NDF: 5189147.3/11

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 174.149+/-0.735 χ^2/NDF: 5189.0/28

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

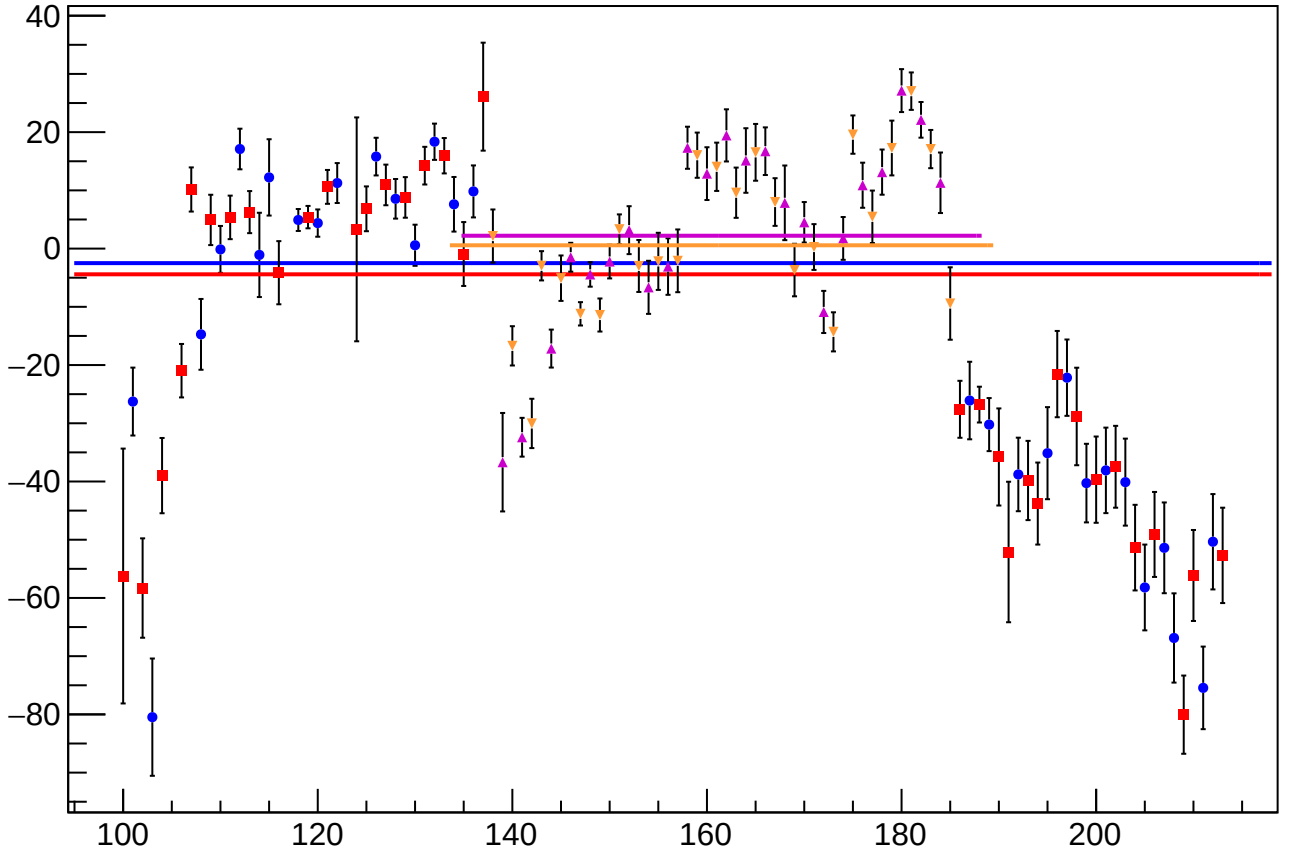
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 174.617+/-0.499 χ^2/NDF: 14901.6/62

In: 190.836+/-0.593 χ^2/NDF:8652.2/51

Out: 184.630+/-0.554 χ^2/NDF:15792.7/58

All: 187.523+/-0.405 χ^2/NDF: 24503.4/110



Right In: -2.495+/-0.805 χ^2/NDF: 754.1/28

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

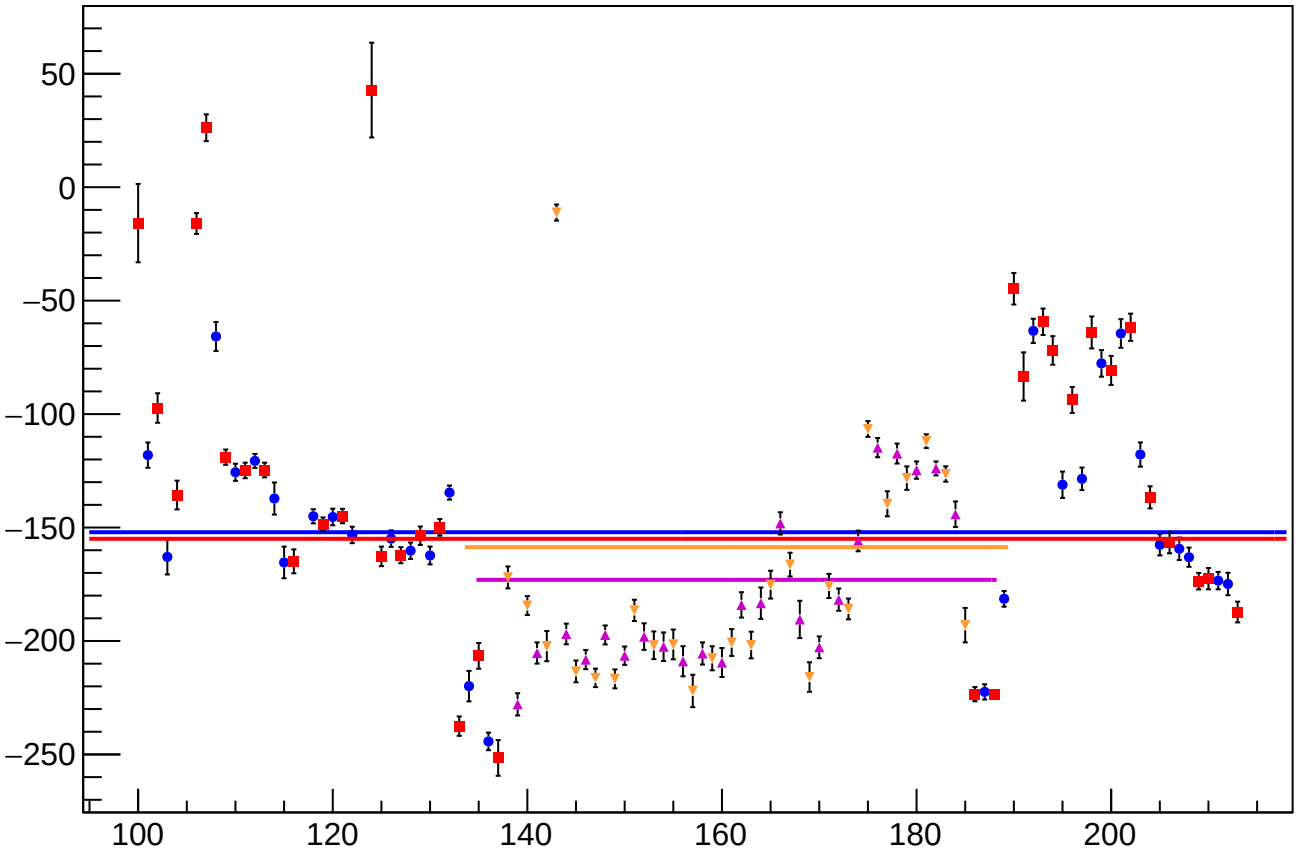
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -3.484+/-0.561 χ^2/NDF: 1569.4/62

In: -0.007+/-0.553 χ^2/NDF:1130.3/51

Out: -1.704+/-0.528 χ^2/NDF:1179.9/58

All: -0.895+/-0.382 χ^2/NDF: 2315.1/110



Right In: -152.065+/-0.798 χ^2/NDF: 2384.7/28

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

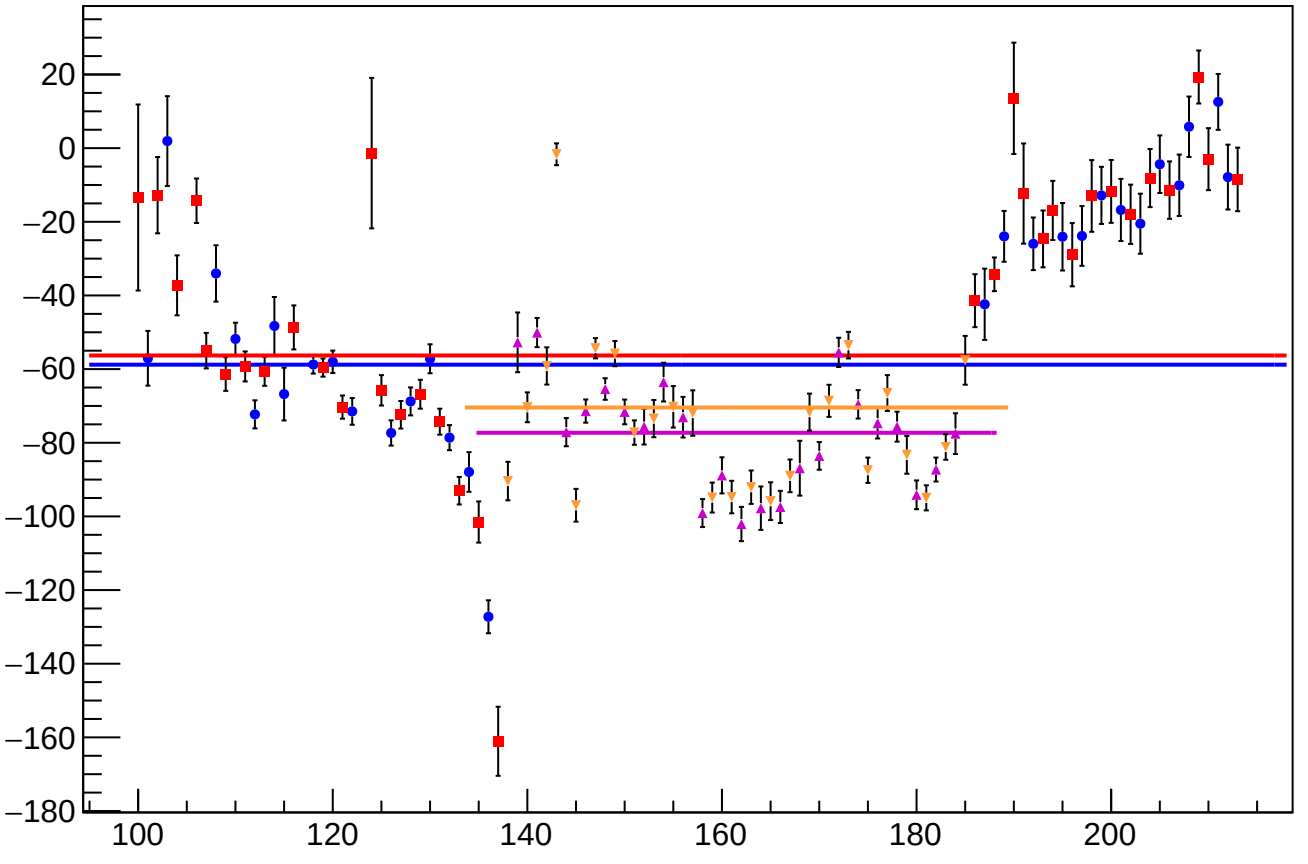
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -153.644+/-0.538 χ^2/NDF: 8905.1/62

In: -160.276+/-0.623 χ^2/NDF:4054.8/51

Out: -156.331+/-0.579 χ^2/NDF:10014.5/58

All: -158.158+/-0.424 χ^2/NDF: 14090.9/110



Right In: -58.800+/-0.938 χ^2/NDF: 830.4/28

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

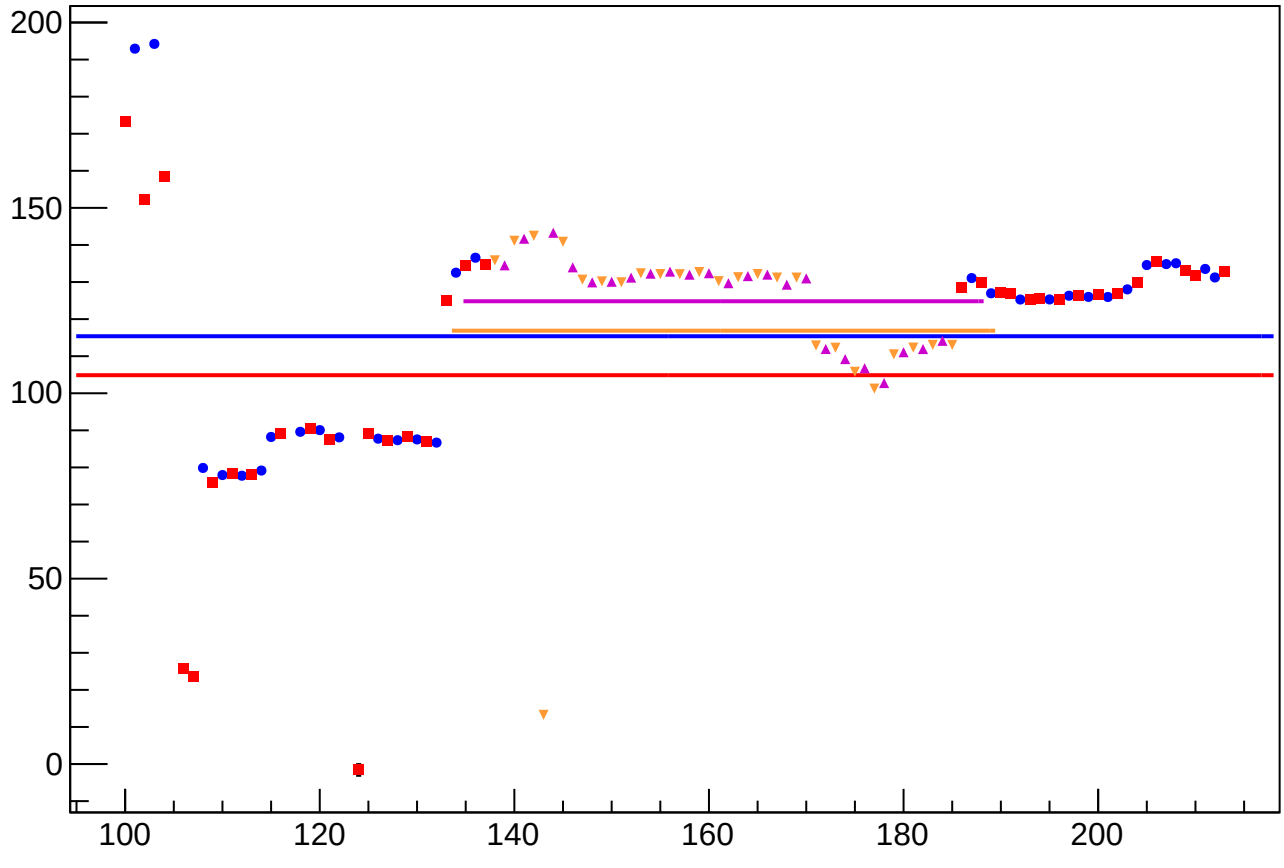
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -57.519+/-0.655 χ^2/NDF: 1717.4/62

In: -68.783+/-0.636 χ^2/NDF:1294.5/51

Out: -64.120+/-0.611 χ^2/NDF:1917.1/58

All: -66.357+/-0.441 χ^2/NDF: 3239.5/110



Right In: 115.381+/-0.054 χ^2/NDF: 285716.6/28

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

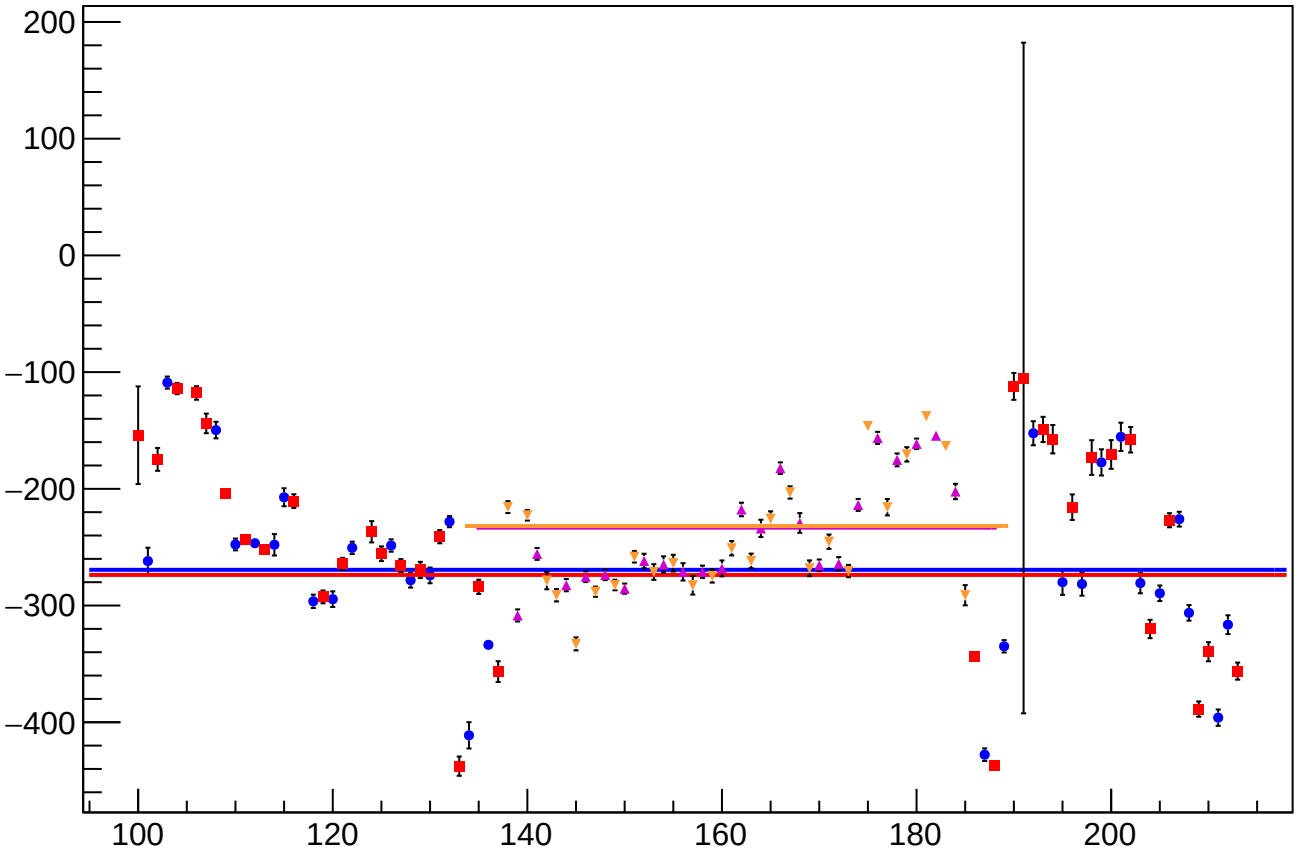
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 109.745+/-0.036 χ^2/NDF: 844071.3/62

In: 121.511+/-0.032 χ^2/NDF:394016.4/51

Out: 112.444+/-0.030 χ^2/NDF:1197503.9/58

All: 116.766+/-0.022 χ^2/NDF: 1634349.8/110



Right In: -269.384+/-1.183 χ^2/NDF: 3645.3/28

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

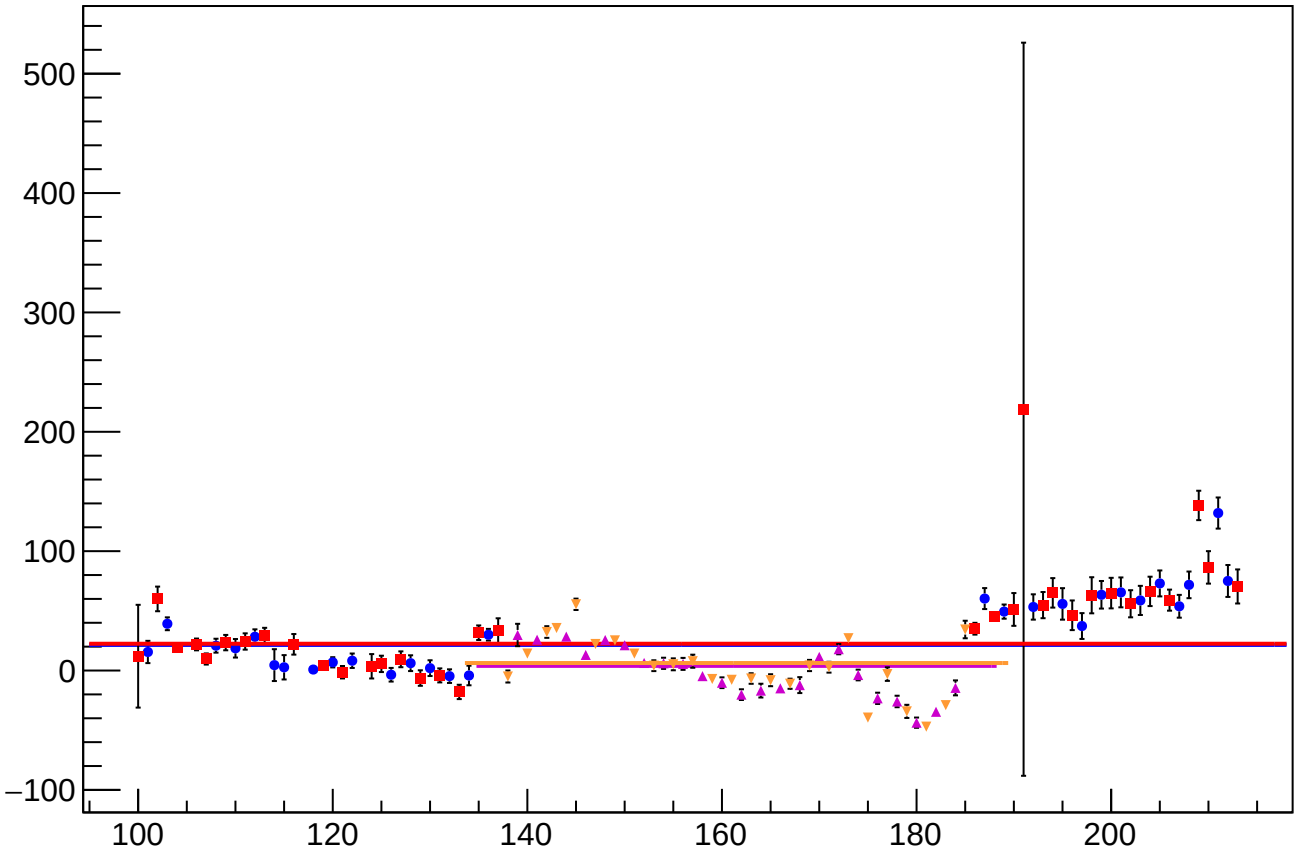
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -271.826+/-0.788 χ^2/NDF: 11690.1/62

In: -250.128+/-0.809 χ^2/NDF:6209.0/51

Out: -253.261+/-0.756 χ^2/NDF:11483.3/58

All: -251.801+/-0.552 χ^2/NDF: 17700.4/110



Right In: 21.460+/-1.306 χ^2/NDF: 373.1/28

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

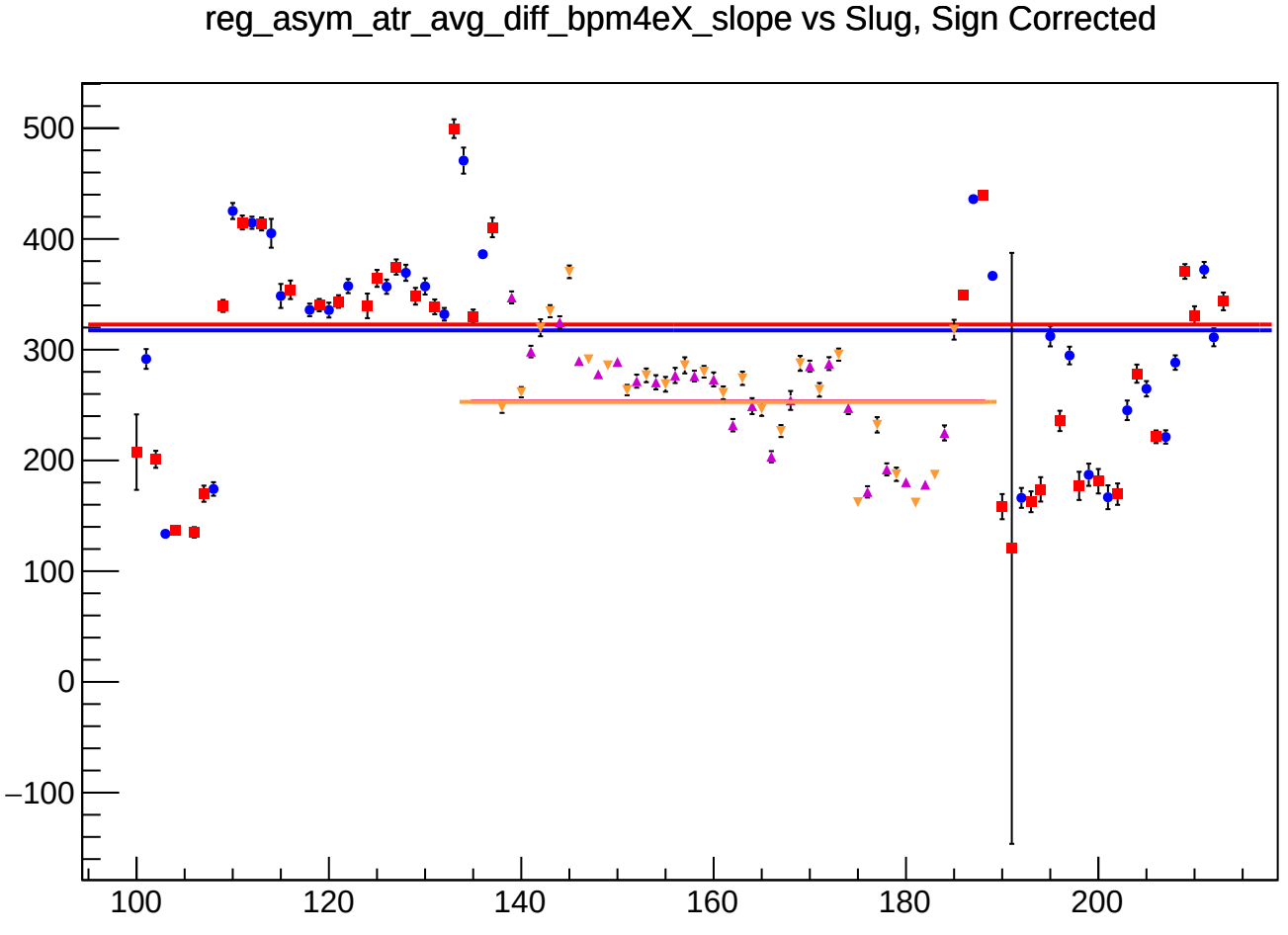
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 21.999+/-0.875 χ^2/NDF: 792.7/62

In: 8.855+/-0.693 χ^2/NDF:1153.2/51

Out: 11.285+/-0.656 χ^2/NDF:1420.3/58

All: 10.137+/-0.476 χ^2/NDF: 2579.9/110



Right In: 317.448+/-1.215 χ^2/NDF: 5745.3/28

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

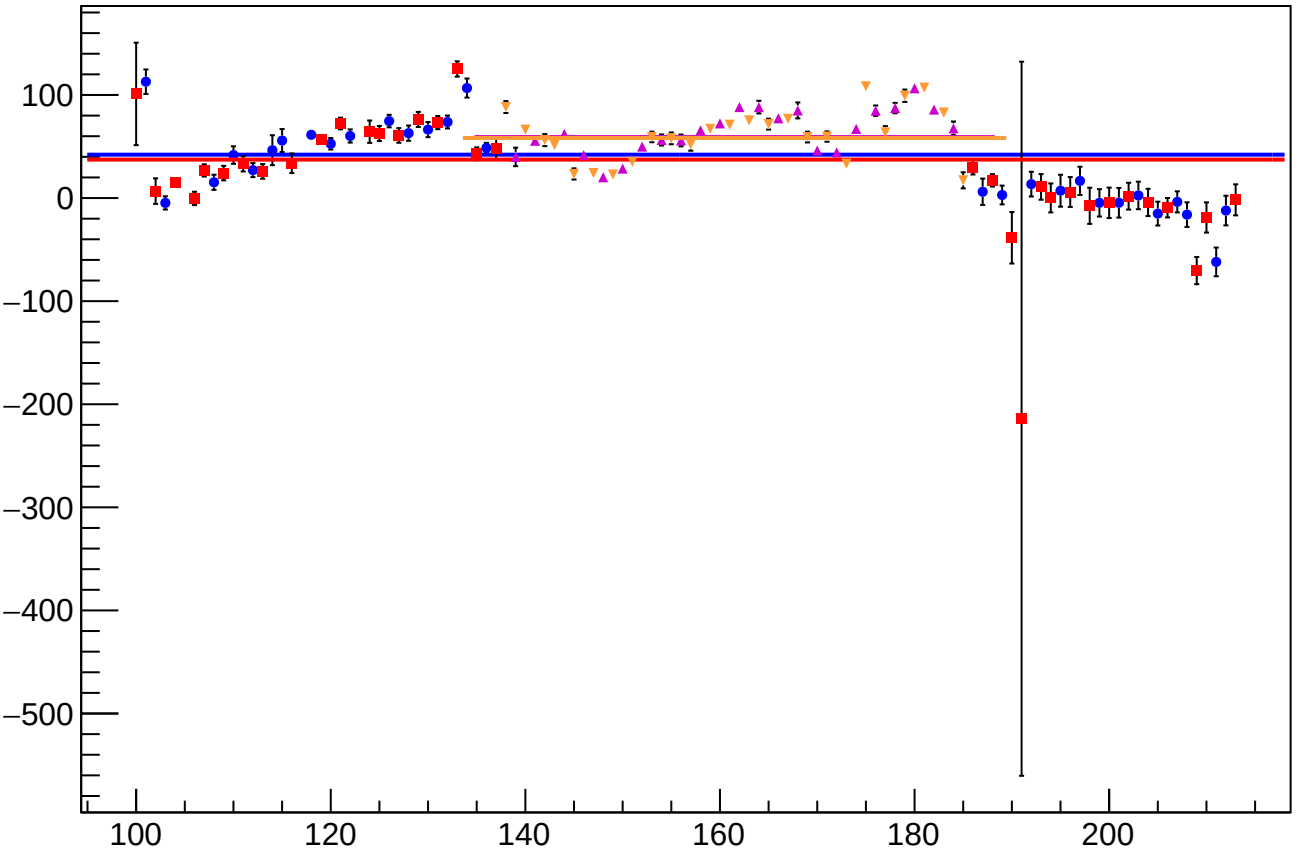
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 320.459+/-0.796 χ^2/NDF: 15909.6/62

In: 281.967+/-0.813 χ^2/NDF:9347.3/51

Out: 288.350+/-0.751 χ^2/NDF:14893.9/58

All: 285.411+/-0.552 χ^2/NDF: 24274.4/110



Right In: 42.085+/-1.523 χ^2/NDF: 472.6/28

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

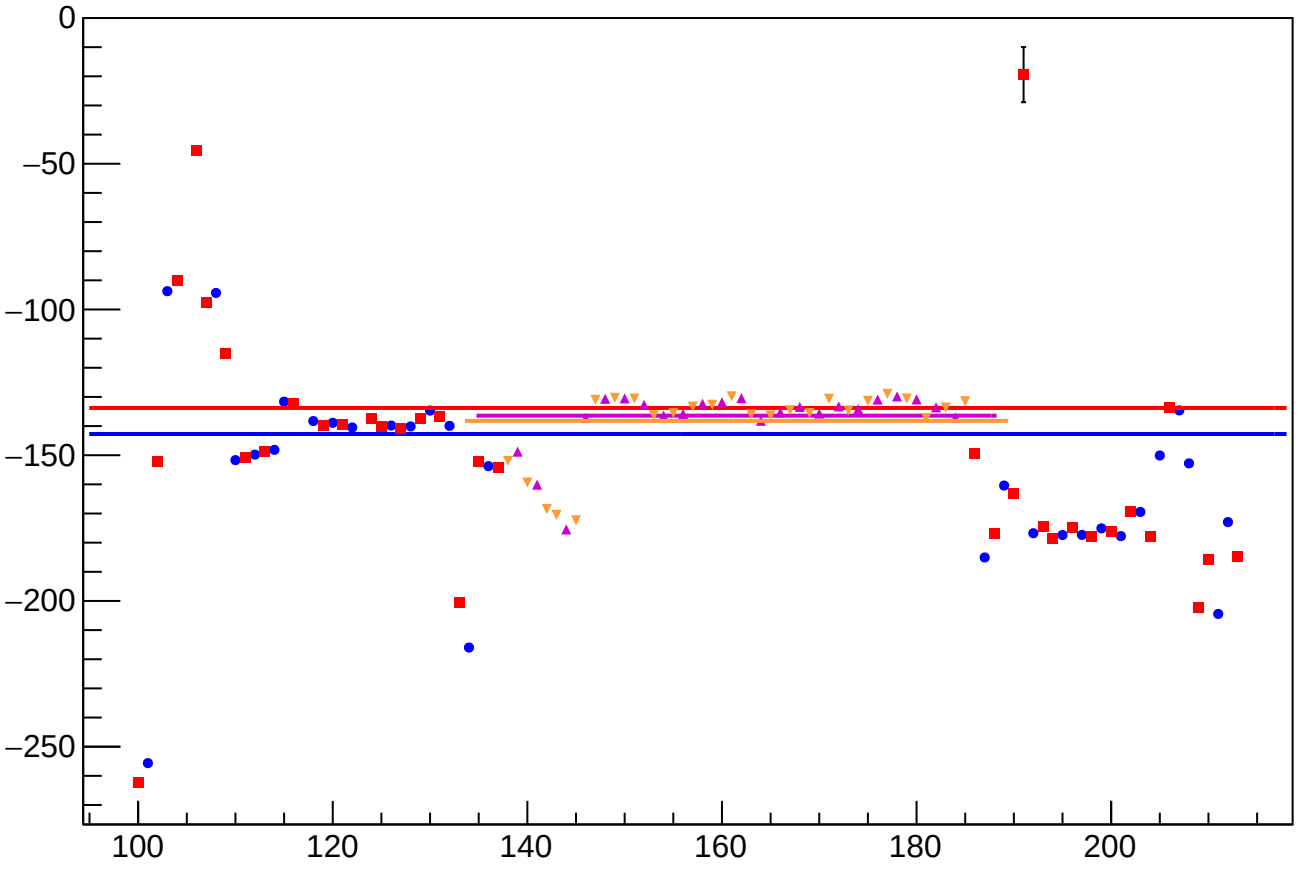
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 39.507+/-1.034 χ^2/NDF: 1020.6/62

In: 54.454+/-0.799 χ^2/NDF:1196.1/51

Out: 52.107+/-0.765 χ^2/NDF:1549.6/58

All: 53.230+/-0.553 χ^2/NDF: 2750.2/110



Right In: -142.717+/-0.074 χ^2/NDF: 246789.1/28

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

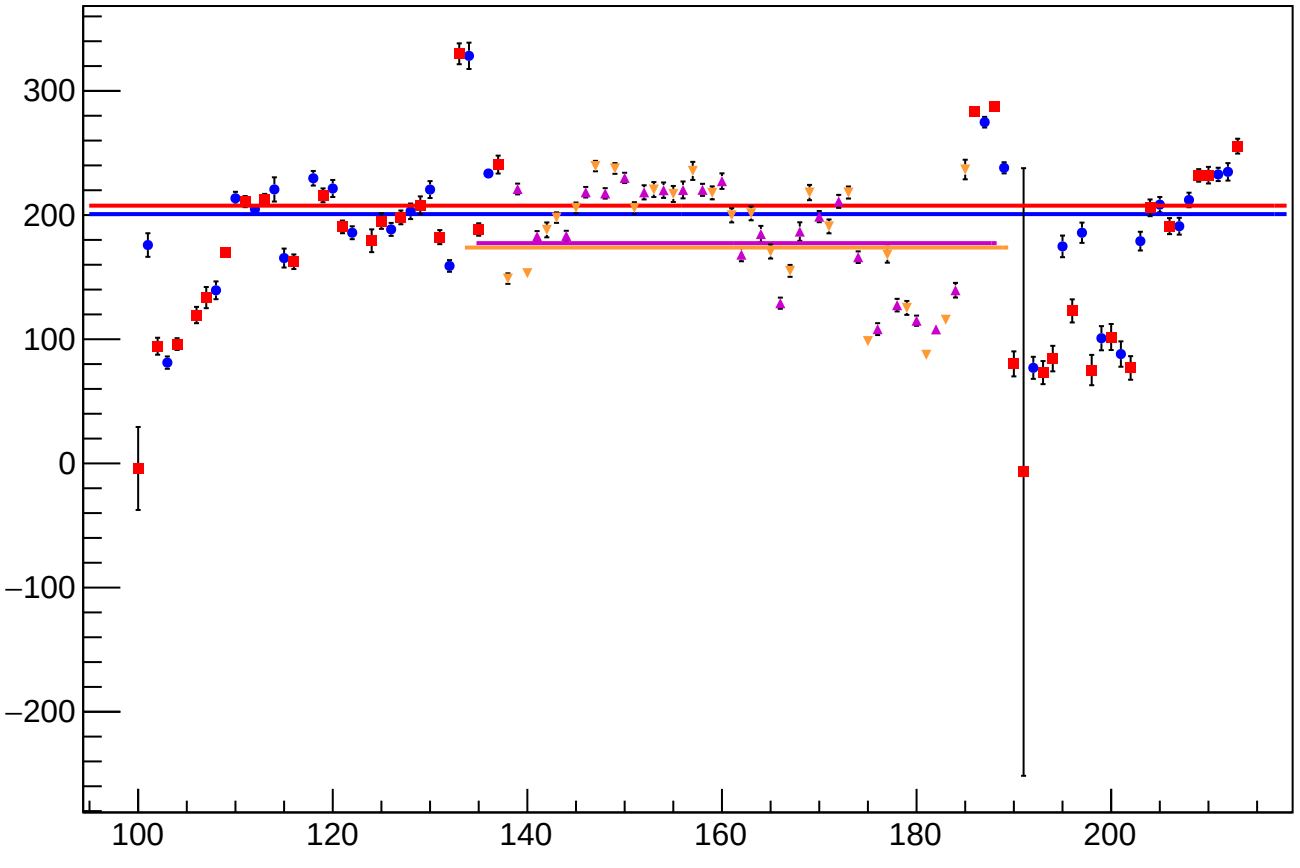
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -137.994+/-0.051 χ^2/NDF: 610974.8/62

In: -137.995+/-0.037 χ^2/NDF:301943.4/51

Out: -137.030+/-0.036 χ^2/NDF:441310.8/58

All: -137.502+/-0.026 χ^2/NDF: 743599.1/110



Right In: 200.776+/-1.104 χ^2/NDF: 1932.2/28

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

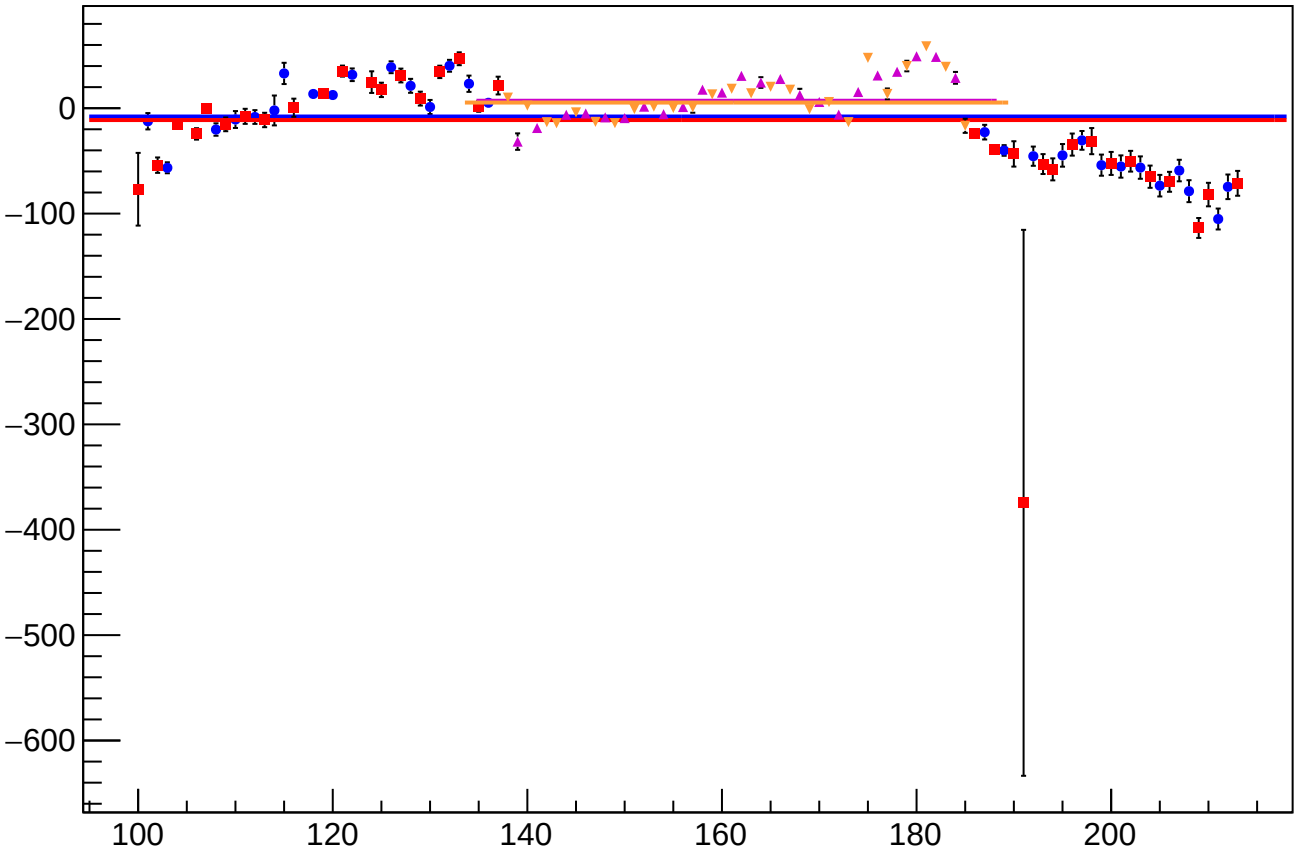
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 204.585+/-0.733 χ^2/NDF: 6260.6/62

In: 187.882+/-0.739 χ^2/NDF:4142.4/51

Out: 190.397+/-0.687 χ^2/NDF:7537.2/58

All: 189.232+/-0.503 χ^2/NDF: 11685.7/110



Right In: -7.893+/-1.243 χ^2/NDF: 783.7/28

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

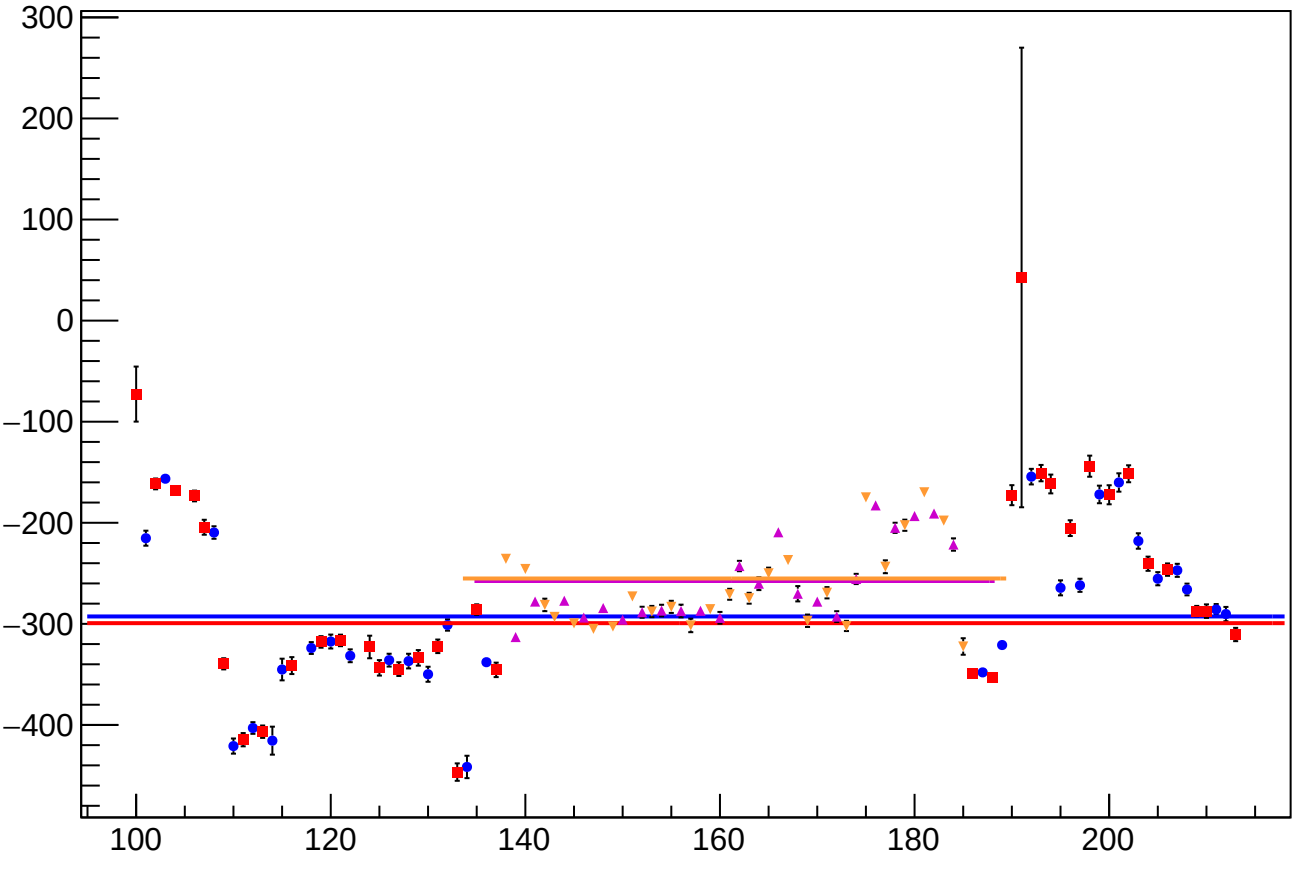
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -9.744+/-0.831 χ^2/NDF: 1638.8/62

In: 3.137+/-0.637 χ^2/NDF:1600.1/51

Out: 0.590+/-0.600 χ^2/NDF:1818.0/58

All: 1.787+/-0.437 χ^2/NDF: 3426.6/110



Right In: -292.671+/-1.109 χ^2/NDF: 4103.3/28

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

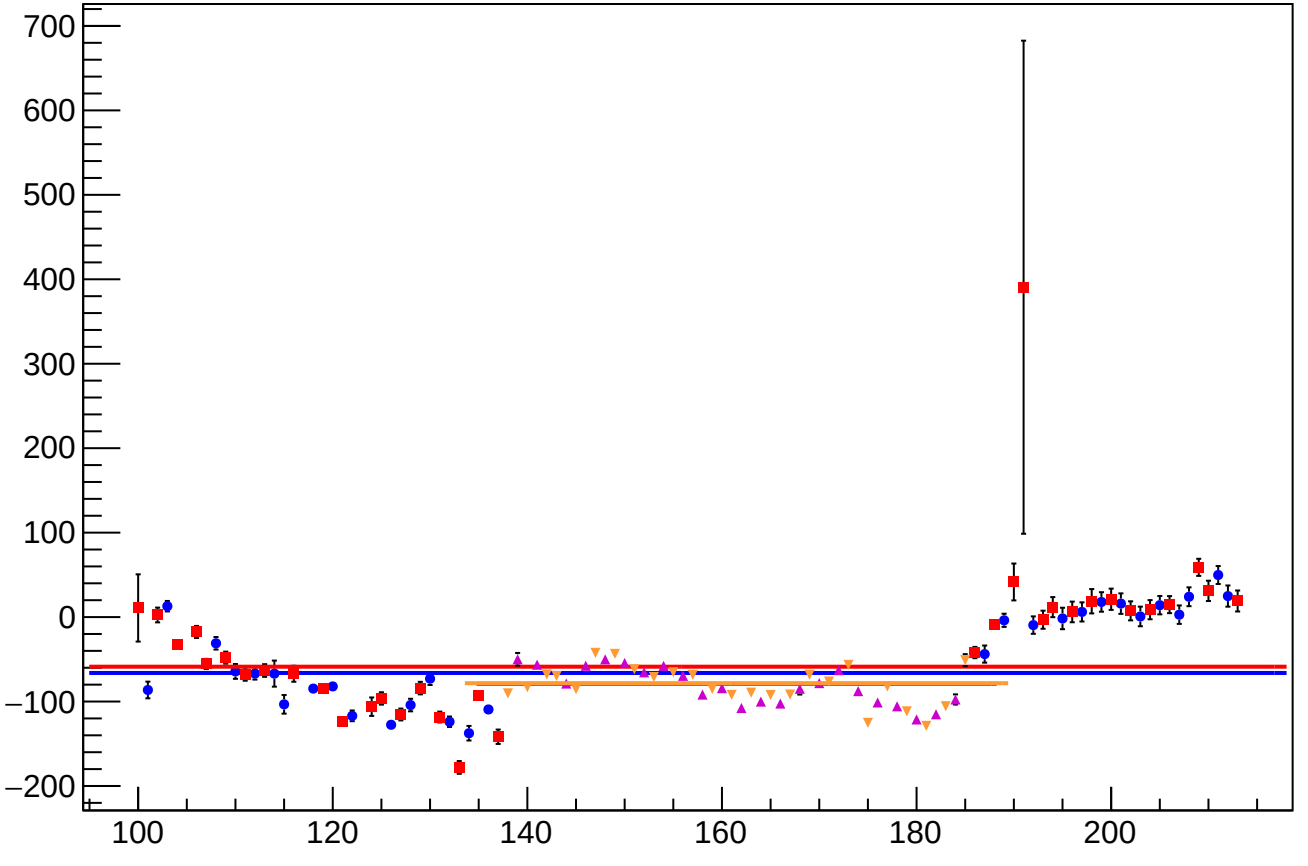
Right: -296.490+/-0.723 χ^2/NDF: 10838.4/62

In: -273.062+/-0.736 χ^2/NDF:6470.5/51

Out: -277.298+/-0.675 χ^2/NDF:10130.8/58

All: -275.364+/-0.498 χ^2/NDF: 16619.3/110

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -66.171+/-1.449 χ^2/NDF: 1317.1/28

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

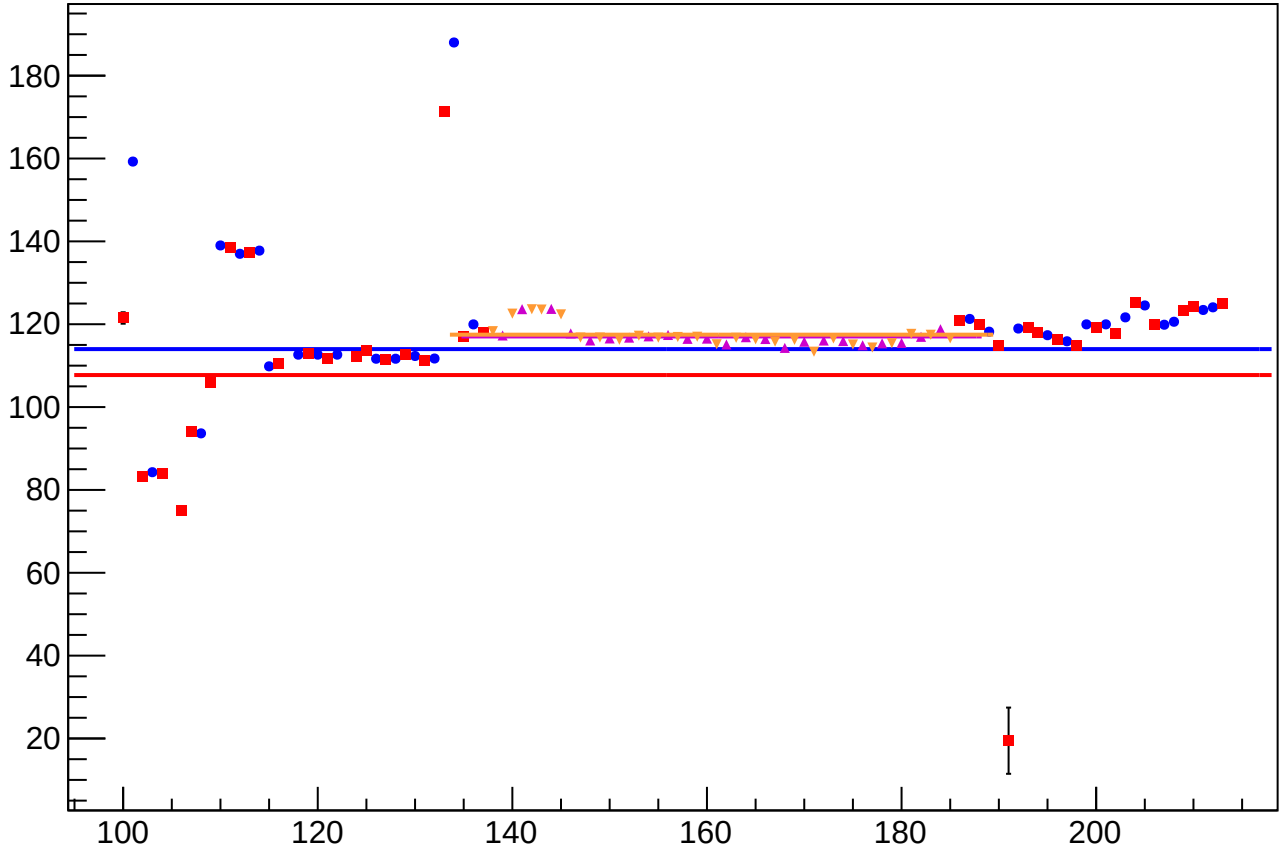
Right: -62.169+/-0.984 χ^2/NDF: 2859.6/62

In: -75.771+/-0.732 χ^2/NDF:2078.8/51

Out: -72.985+/-0.699 χ^2/NDF:2551.2/58

All: -74.312+/-0.506 χ^2/NDF: 4637.6/110

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 113.994+/-0.069 χ^2/NDF: 88103.0/28

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

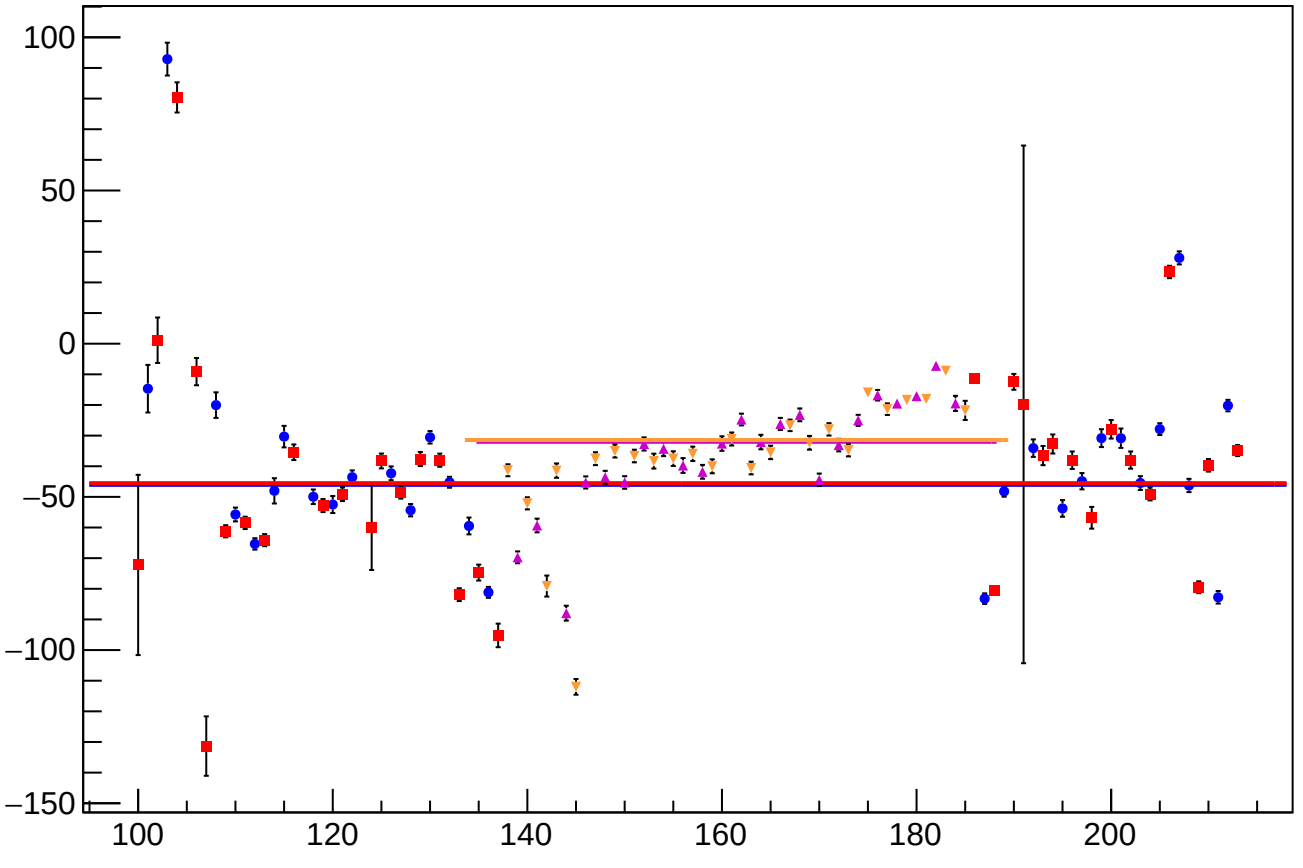
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 110.666+/-0.047 χ^2/NDF: 174427.8/62

In: 116.312+/-0.034 χ^2/NDF:92949.3/51

Out: 114.960+/-0.033 χ^2/NDF:103612.2/58

All: 115.617+/-0.023 χ^2/NDF: 197390.6/110



Right In: -46.068+/-0.431 χ^2/NDF: 3712.4/28

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

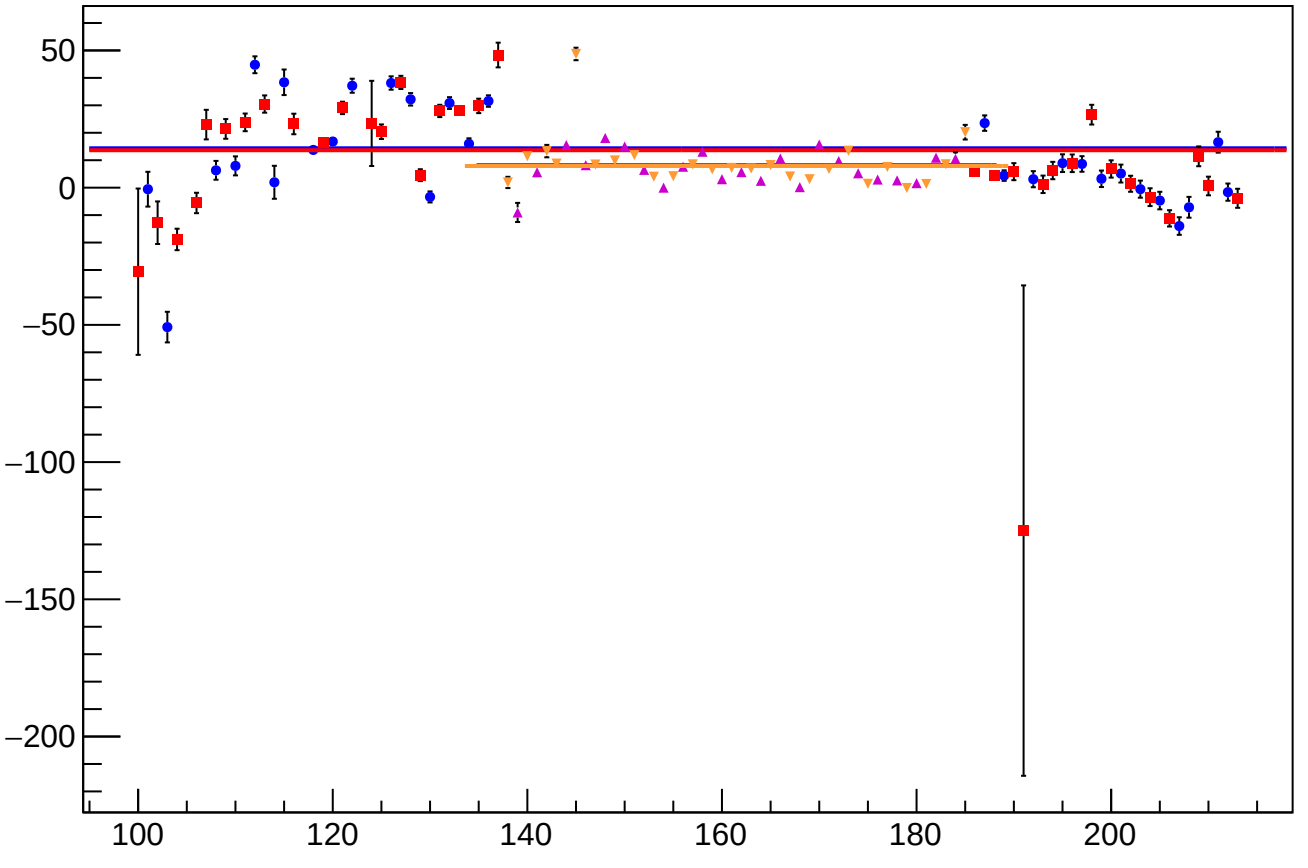
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

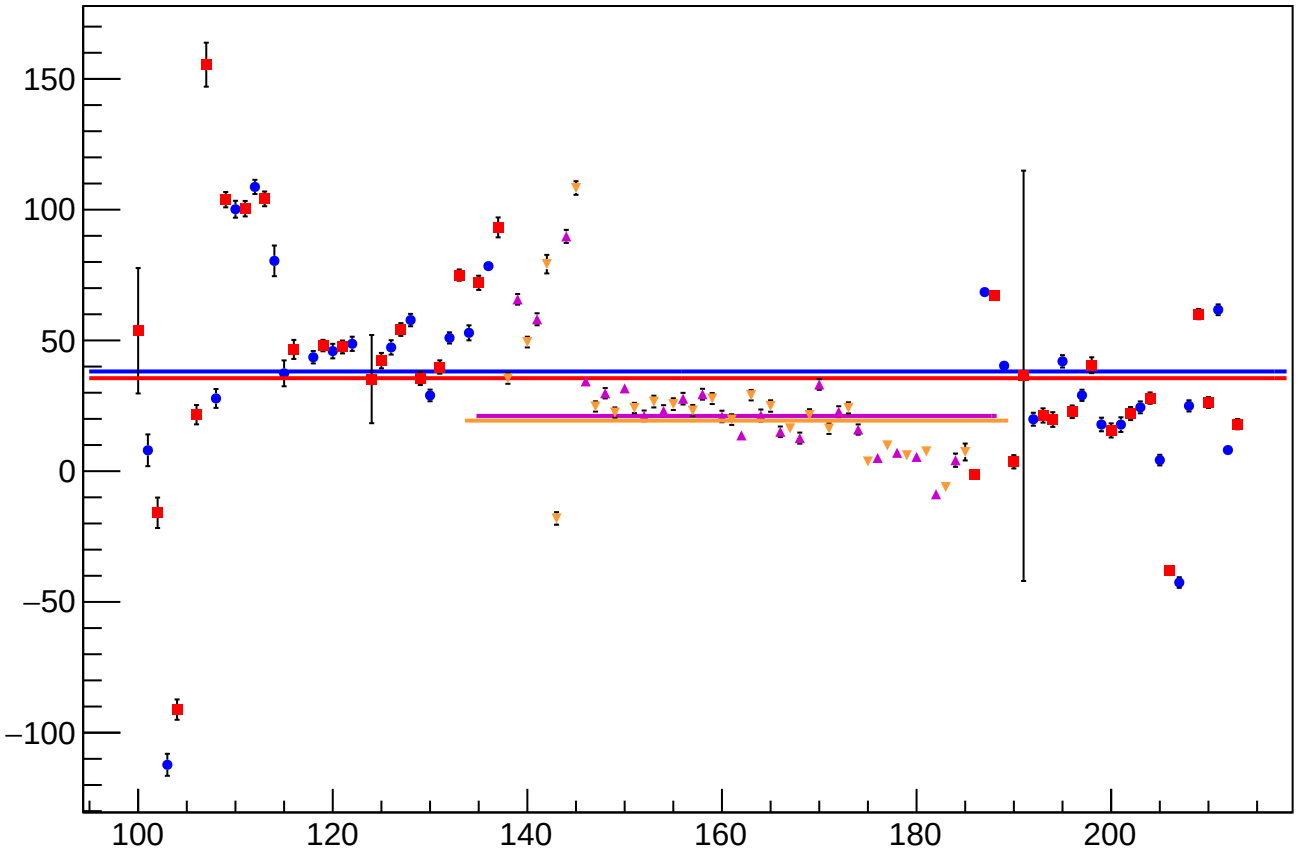
Right: -45.764+/-0.287 χ^2/NDF: 9455.8/62

In: -38.681+/-0.297 χ^2/NDF:6185.5/51

Out: -38.718+/-0.277 χ^2/NDF:8377.1/58

All: -38.701+/-0.203 χ^2/NDF: 14562.6/110


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: 14.345+/-0.491 χ²/NDF: 999.4/28
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: 13.965+/-0.333 χ²/NDF: 1855.5/62
In: 10.012+/-0.265 χ²/NDF:1448.1/51
Out: 9.674+/-0.253 χ²/NDF:1456.1/58
All: 9.835+/-0.183 χ²/NDF: 2905.1/110



Right In: 38.130+/-0.436 χ^2/NDF: 6056.2/28

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

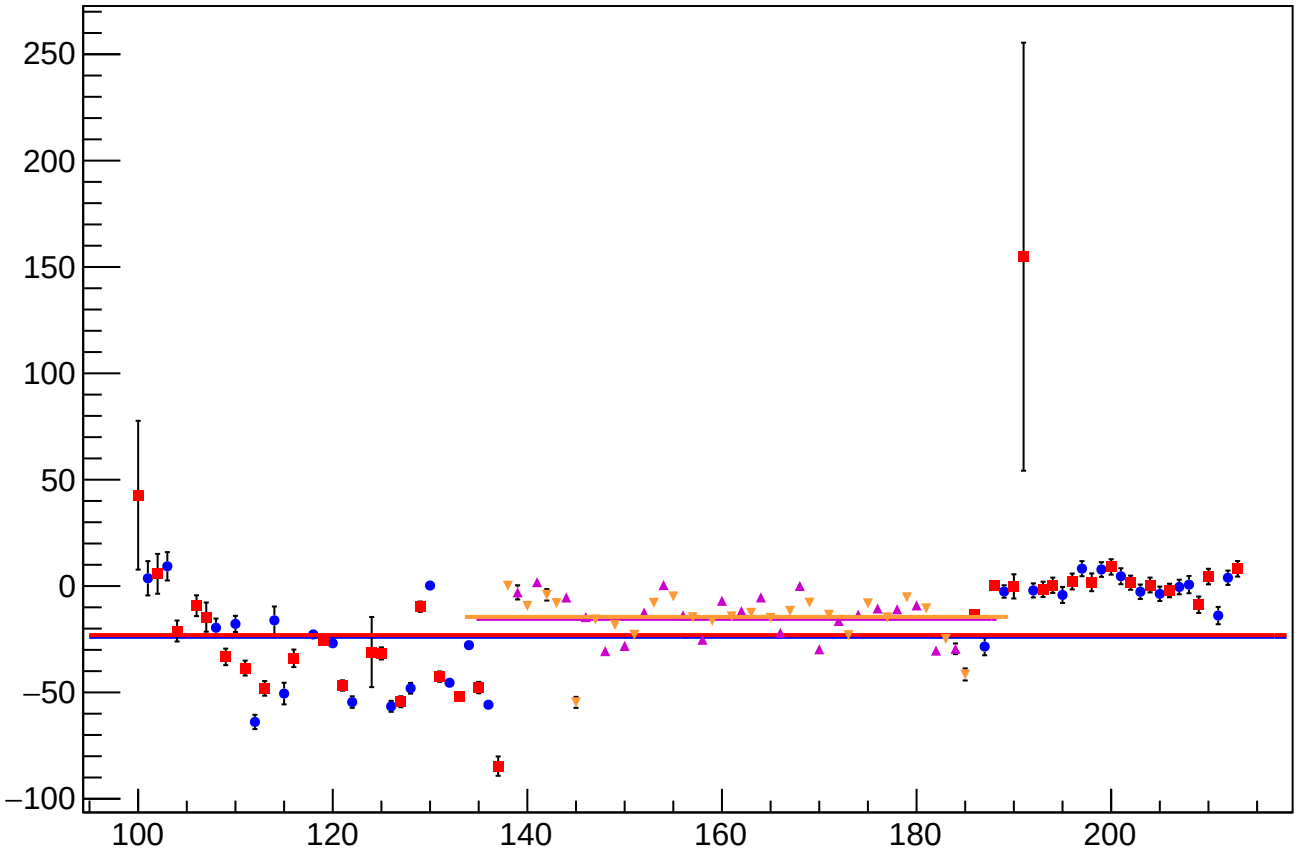
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 36.645+/-0.283 χ^2/NDF: 15442.6/62

In: 29.002+/-0.297 χ^2/NDF:9378.7/51

Out: 27.930+/-0.271 χ^2/NDF:12939.2/58

All: 28.419+/-0.200 χ^2/NDF: 22325.0/110



Right In: -23.866+/-0.570 χ^2/NDF: 1610.5/28

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

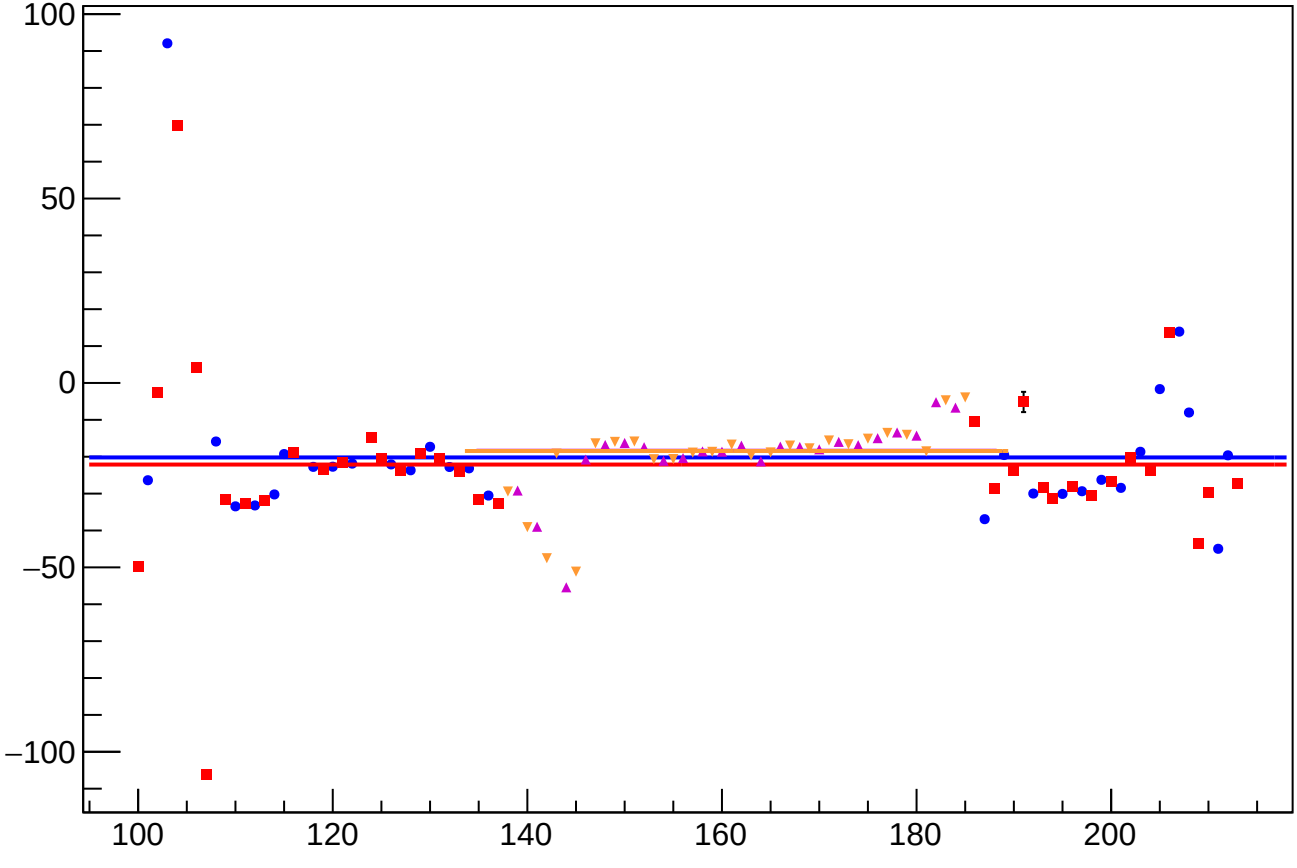
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -23.437+/-0.394 χ^2/NDF: 3268.3/62

In: -17.782+/-0.301 χ^2/NDF:2567.5/51

Out: -16.928+/-0.291 χ^2/NDF:2472.9/58

All: -17.340+/-0.209 χ^2/NDF: 5044.5/110



Right In: -20.191+/-0.028 χ^2/NDF: 572278.2/28

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

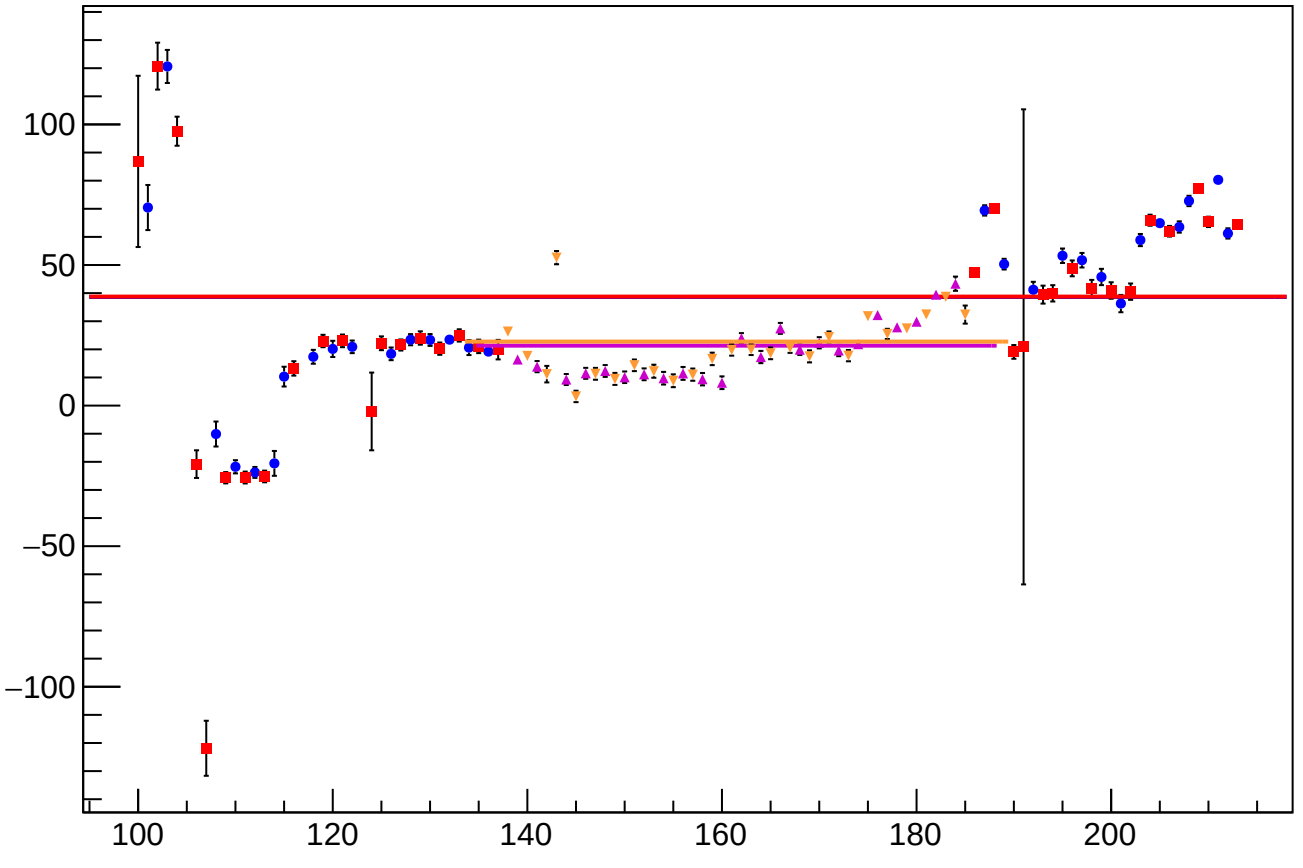
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -21.176+/-0.019 χ^2/NDF: 1058740.0/62

In: -18.825+/-0.014 χ^2/NDF:825580.9/51

Out: -19.358+/-0.013 χ^2/NDF:793229.3/58

All: -19.096+/-0.010 χ^2/NDF: 1619583.4/110



Right In: 38.630+/-0.423 χ^2/NDF: 4817.1/28

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

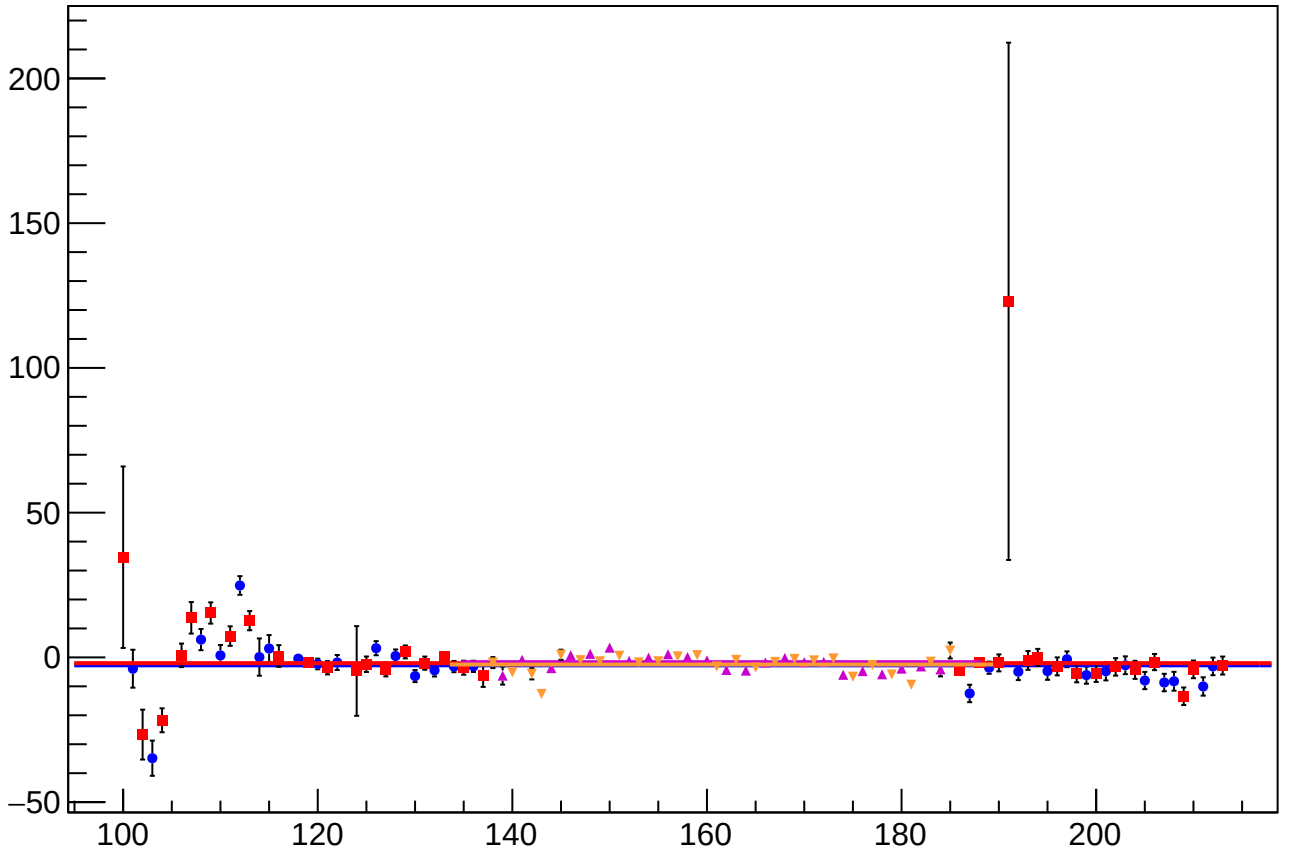
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 38.700+/-0.287 χ^2/NDF: 11273.5/62

In: 29.328+/-0.288 χ^2/NDF:6344.7/51

Out: 30.610+/-0.273 χ^2/NDF:8036.1/58

All: 30.003+/-0.198 χ^2/NDF: 14391.3/110



Right In: -2.741+/-0.491 χ^2/NDF: 153.3/28

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

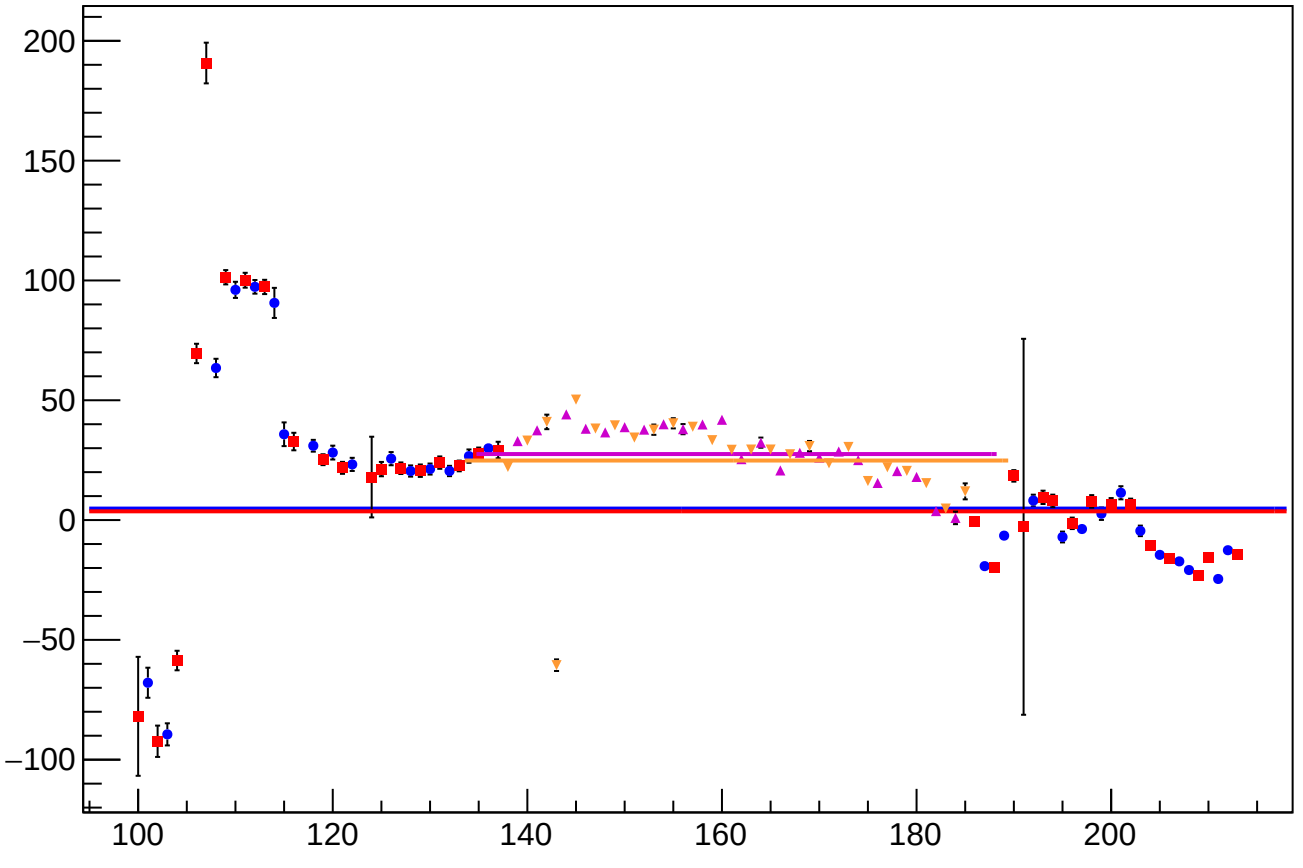
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.345+/-0.338 χ^2/NDF: 276.3/62

In: -1.959+/-0.258 χ^2/NDF:227.0/51

Out: -2.332+/-0.248 χ^2/NDF:239.2/58

All: -2.153+/-0.179 χ^2/NDF: 467.3/110



Right In: 4.792+/-0.430 χ^2/NDF: 4708.2/28

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

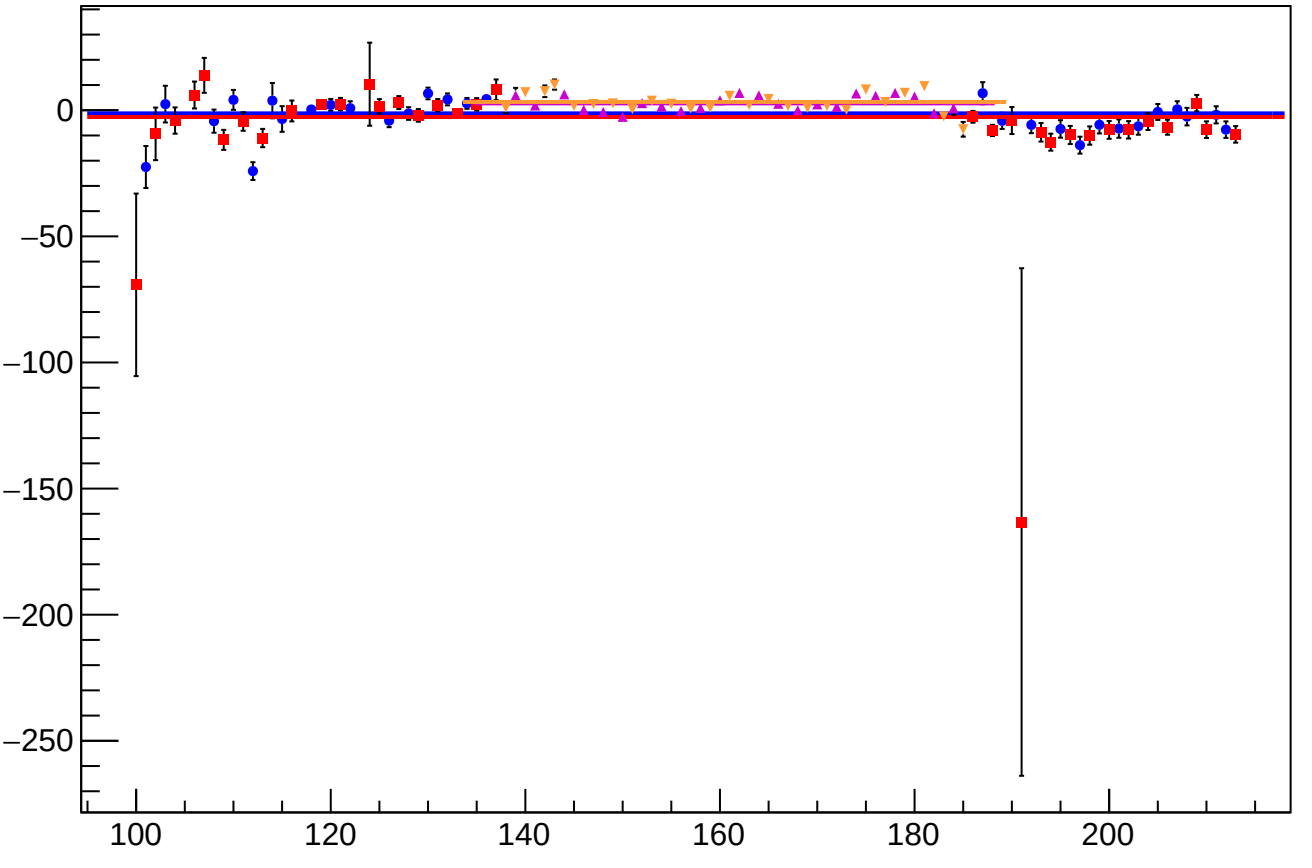
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 4.155+/-0.286 χ^2/NDF: 11016.8/62

In: 17.299+/-0.288 χ^2/NDF:7133.0/51

Out: 14.332+/-0.270 χ^2/NDF:9899.6/58

All: 15.716+/-0.197 χ^2/NDF: 17089.1/110



Right In: -1.236+/-0.565 χ^2/NDF: 119.9/28

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

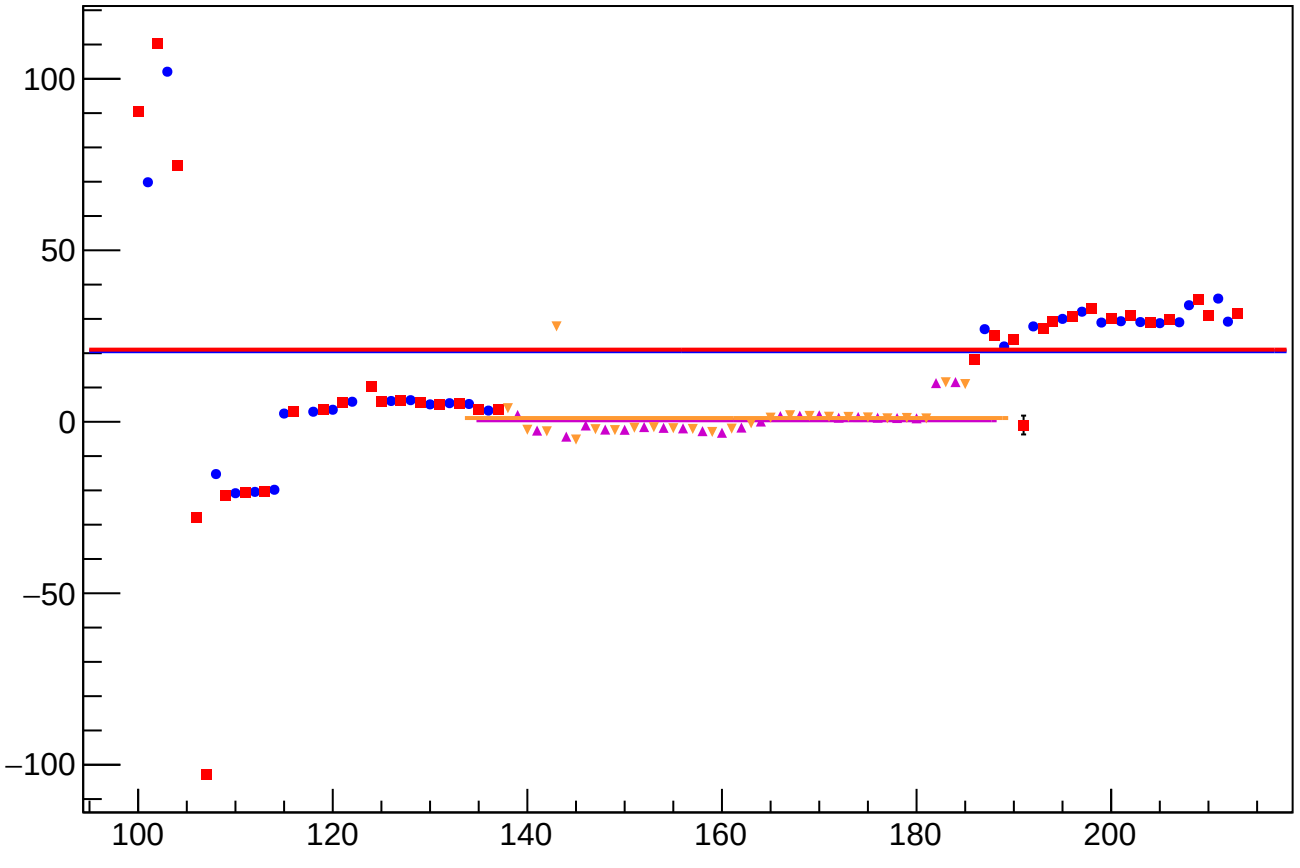
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.974+/-0.395 χ^2/NDF: 224.2/62

In: 1.665+/-0.293 χ^2/NDF:230.5/51

Out: 1.708+/-0.284 χ^2/NDF:293.0/58

All: 1.687+/-0.204 χ^2/NDF: 523.5/110



Right In: 20.576+/-0.027 χ^2/NDF: 496940.0/28

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

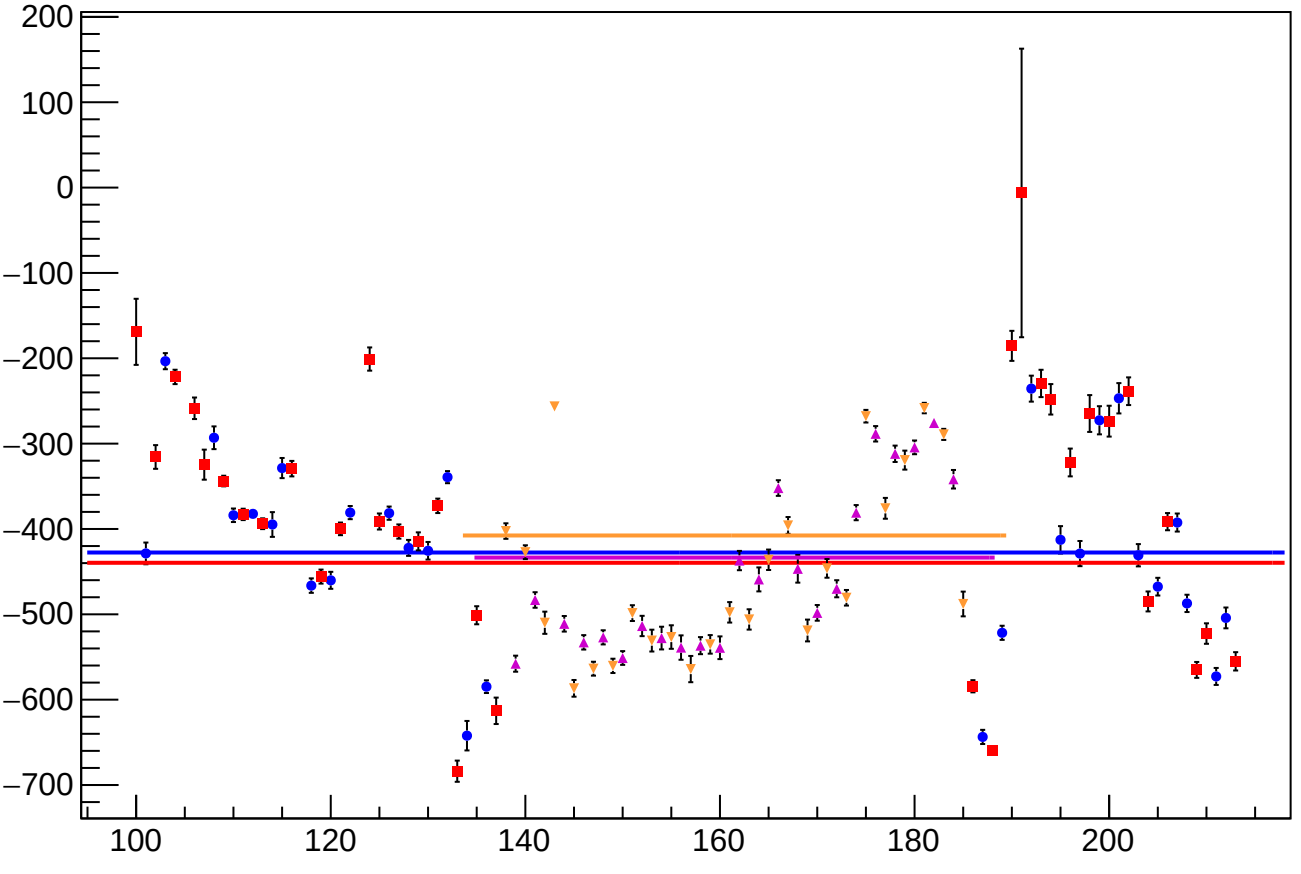
Right: 20.808+/-0.019 χ^2/NDF: 1140019.7/62

In: 5.278+/-0.013 χ^2/NDF:978123.8/51

Out: 5.829+/-0.013 χ^2/NDF:1200671.4/58

All: 5.558+/-0.009 χ^2/NDF: 2179685.8/110

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -427.580+/-1.828 χ^2/NDF: 3165.6/28

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -439.618+/-1.666 χ^2/NDF: 6719.4/33

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

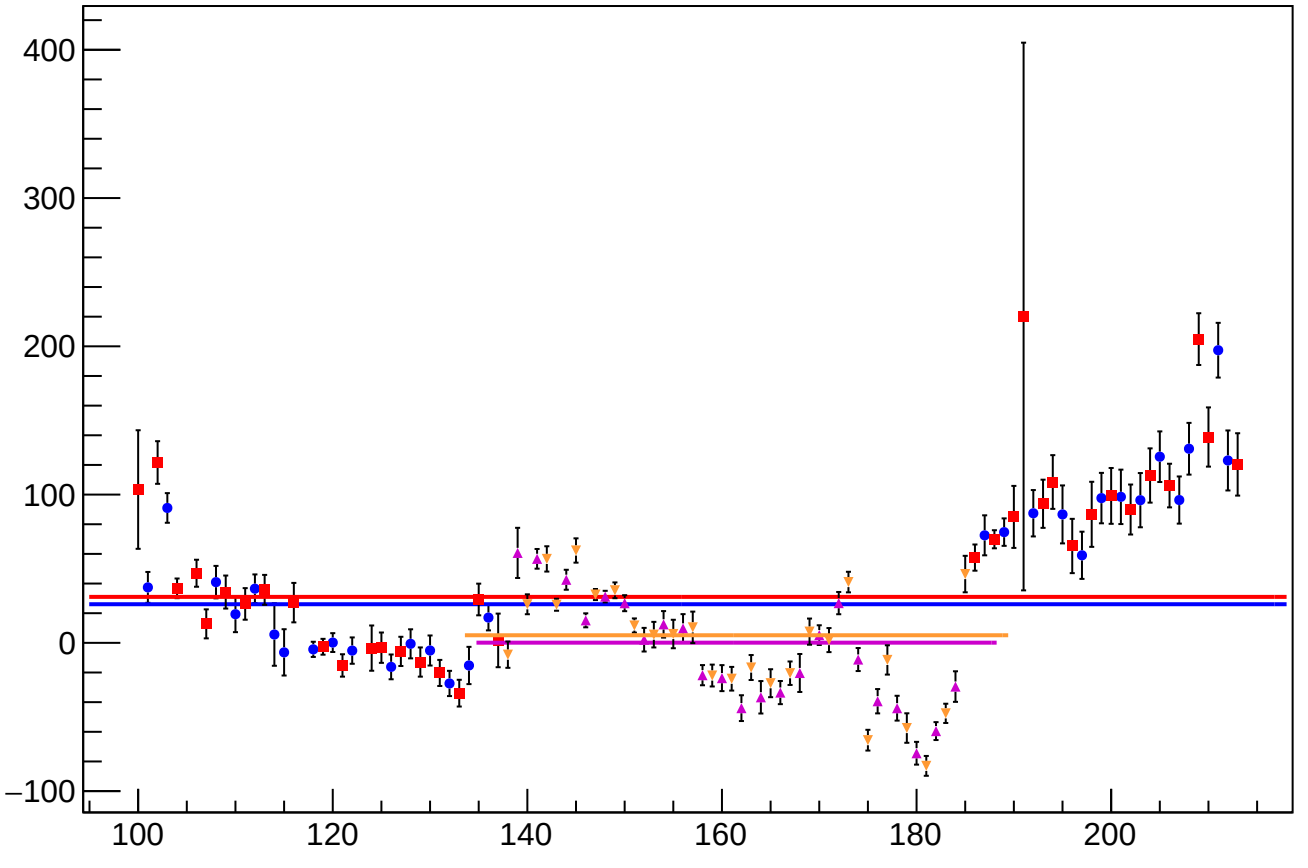
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -434.155+/-1.231 χ^2/NDF: 9908.6/62

In: -430.297+/-1.347 χ^2/NDF:5894.9/51

Out: -425.444+/-1.243 χ^2/NDF:10888.5/58

All: -427.676+/-0.914 χ^2/NDF: 16790.4/110



Right In: 26.051+/-2.007 χ^2/NDF: 525.6/28

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

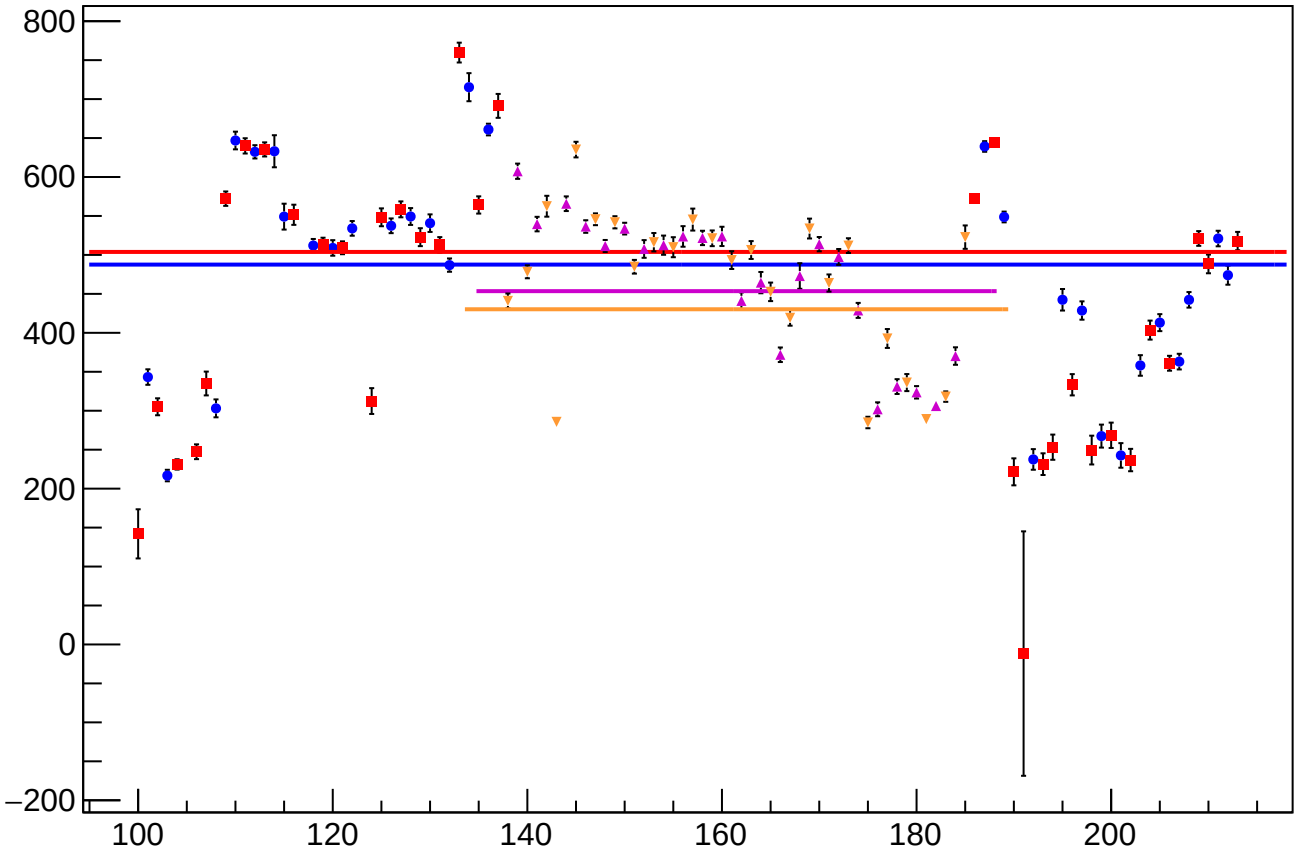
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 28.690+/-1.372 χ^2/NDF: 1113.8/62

In: 9.333+/-1.196 χ^2/NDF:1201.8/51

Out: 14.178+/-1.112 χ^2/NDF:1397.5/58

All: 11.932+/-0.814 χ^2/NDF: 2608.0/110



Right In: 487.574+/-1.887 χ^2/NDF: 4927.3/28

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

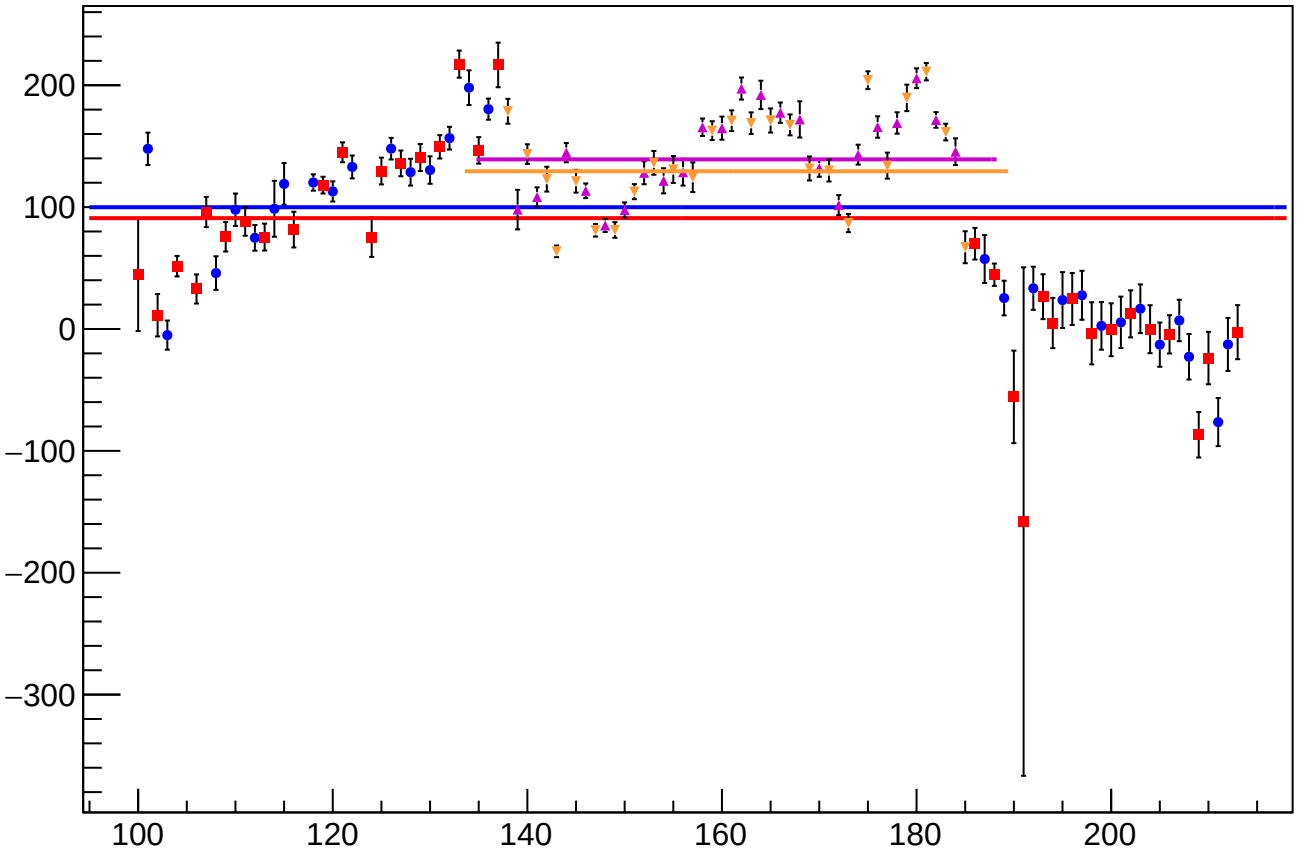
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 496.673+/-1.252 χ^2/NDF: 13042.2/62

In: 471.303+/-1.364 χ^2/NDF:7502.7/51

Out: 470.933+/-1.244 χ^2/NDF:12343.1/58

All: 471.101+/-0.919 χ^2/NDF: 19845.8/110



Right In: 99.909+/-2.348 χ^2/NDF: 701.5/28

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

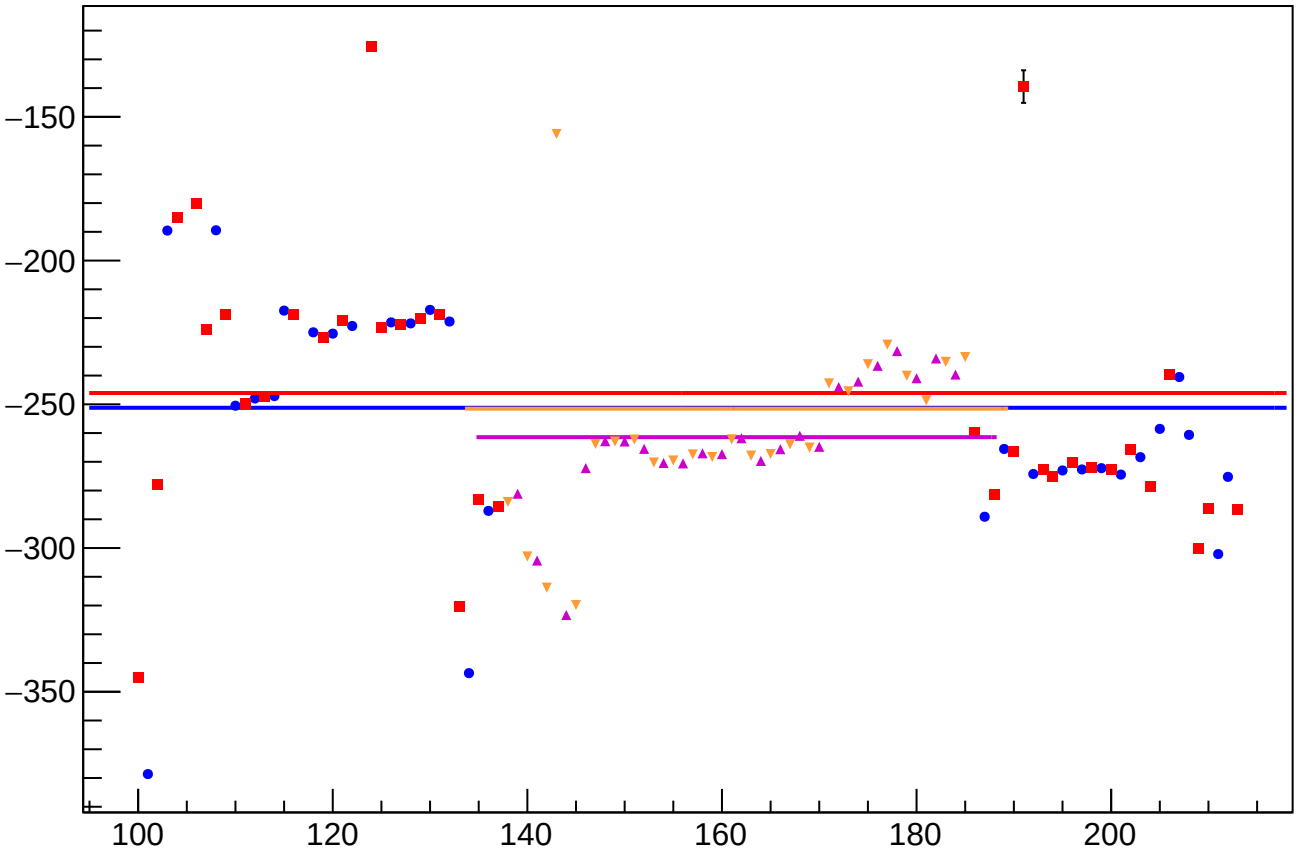
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 95.205+/-1.618 χ^2/NDF: 1458.4/62

In: 125.611+/-1.380 χ^2/NDF:1318.7/51

Out: 116.451+/-1.297 χ^2/NDF:1760.2/58

All: 120.747+/-0.945 χ^2/NDF: 3102.3/110



Right In: -251.207+/-0.119 χ^2/NDF: 152199.7/28

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

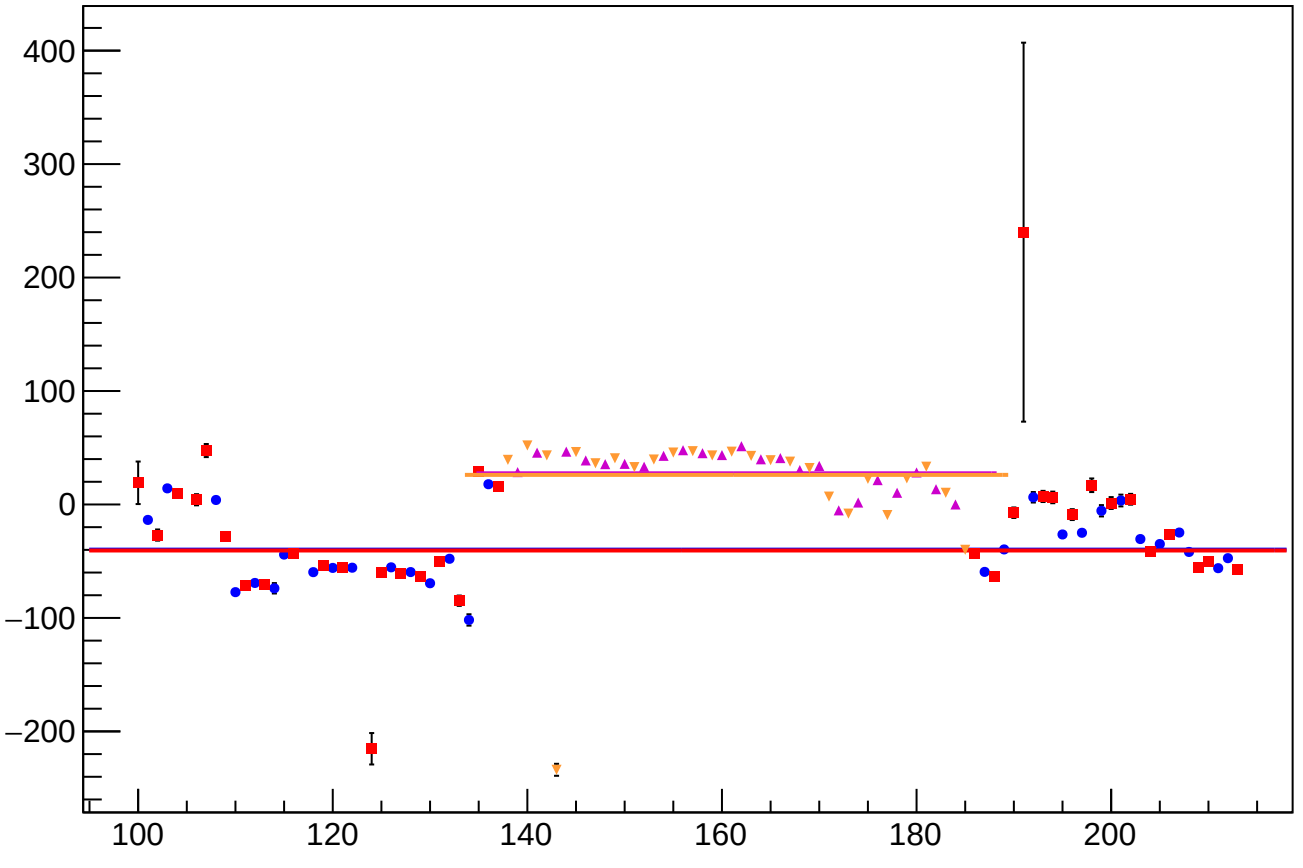
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -248.543+/-0.083 χ^2/NDF: 272825.4/62

In: -258.375+/-0.065 χ^2/NDF:226896.5/51

Out: -249.898+/-0.063 χ^2/NDF:376163.7/58

All: -253.961+/-0.045 χ^2/NDF: 611854.9/110



Right In: -39.800+/-0.565 χ^2/NDF: 2789.1/28

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

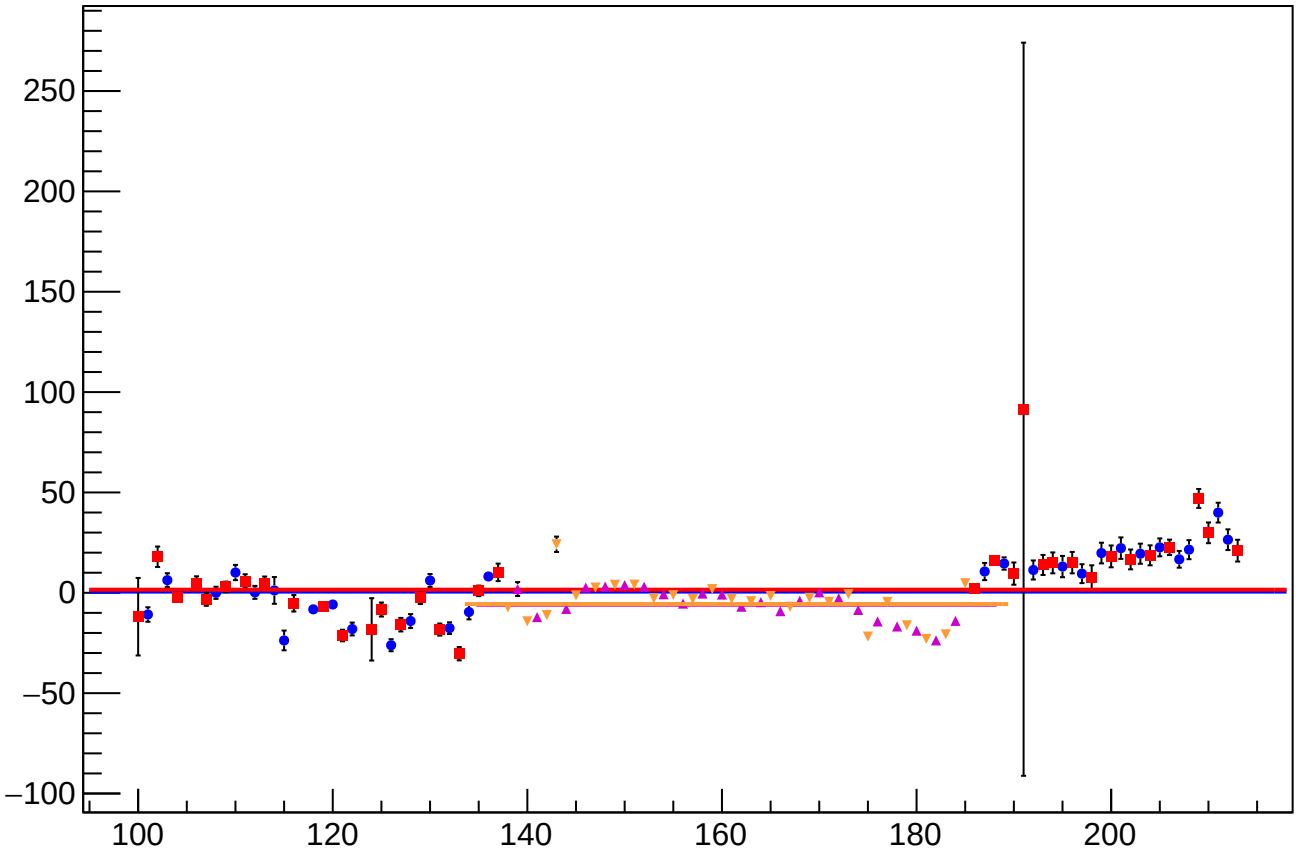
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -40.219+/-0.377 χ^2/NDF: 6140.6/62

In: 5.305+/-0.324 χ^2/NDF:13914.0/51

Out: 1.354+/-0.309 χ^2/NDF:18989.4/58

All: 3.236+/-0.224 χ^2/NDF: 32981.3/110



Right In: 0.607+/-0.647 χ^2/NDF: 498.7/28

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

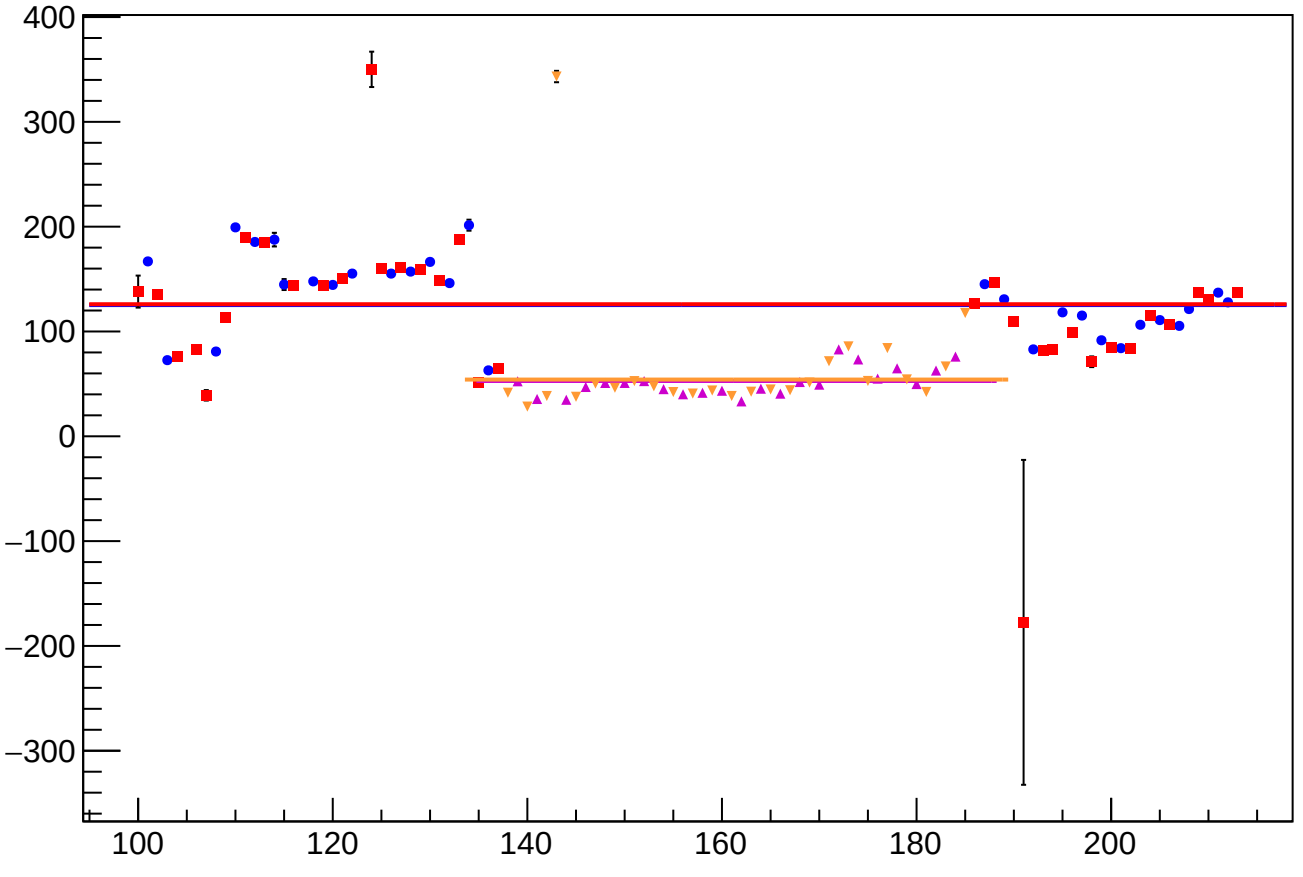
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: 1.114+/-0.441 χ^2/NDF: 1046.9/62

In: -4.722+/-0.279 χ^2/NDF:1294.4/51

Out: -4.183+/-0.270 χ^2/NDF:1554.0/58

All: -4.444+/-0.194 χ^2/NDF: 2850.3/110



Right In: 125.195+/-0.578 χ^2/NDF: 4135.2/28

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

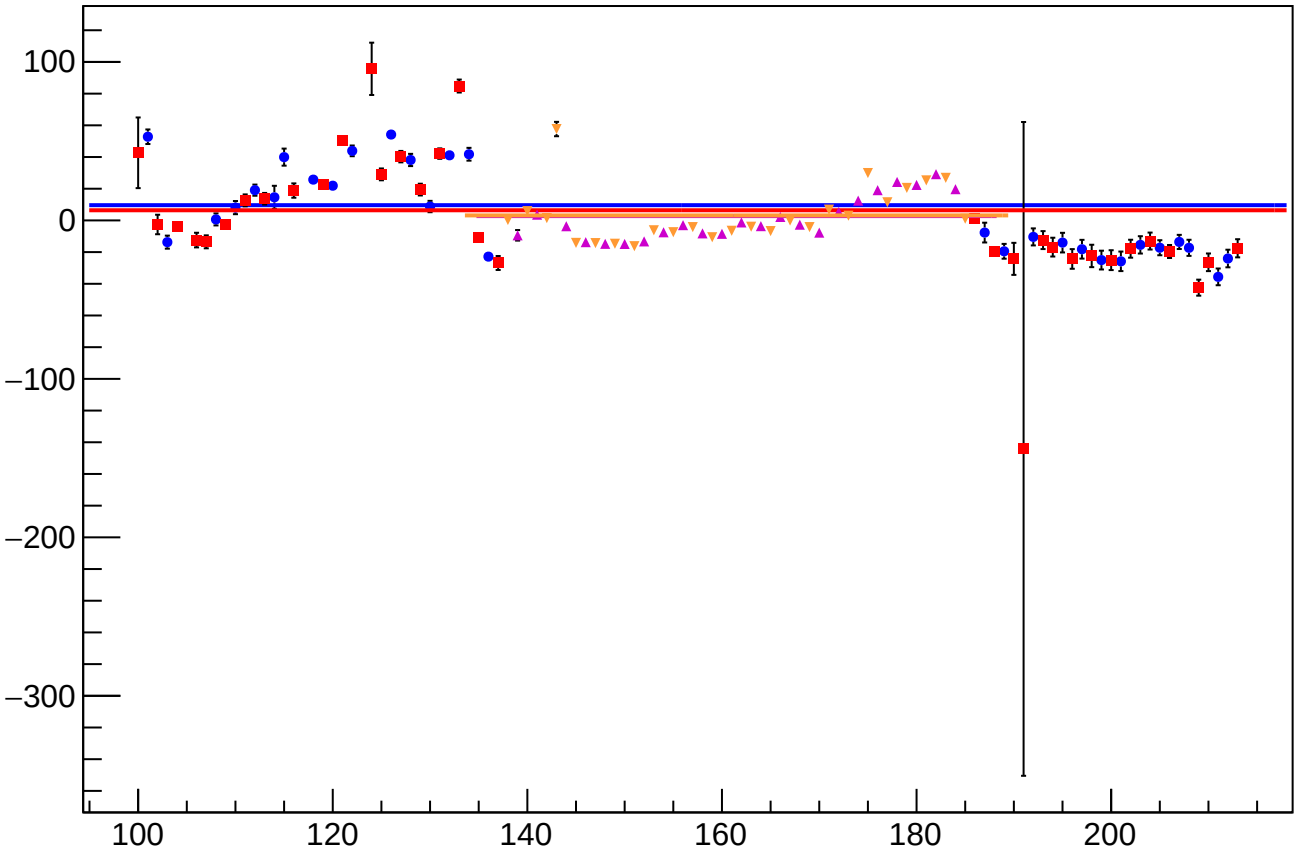
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 125.652+/-0.383 χ^2/NDF: 8592.0/62

In: 75.630+/-0.325 χ^2/NDF:15838.5/51

Out: 80.303+/-0.309 χ^2/NDF:21595.5/58

All: 78.085+/-0.224 χ^2/NDF: 37542.6/110



Right In: 9.612+/-0.745 χ^2/NDF: 1360.4/28

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

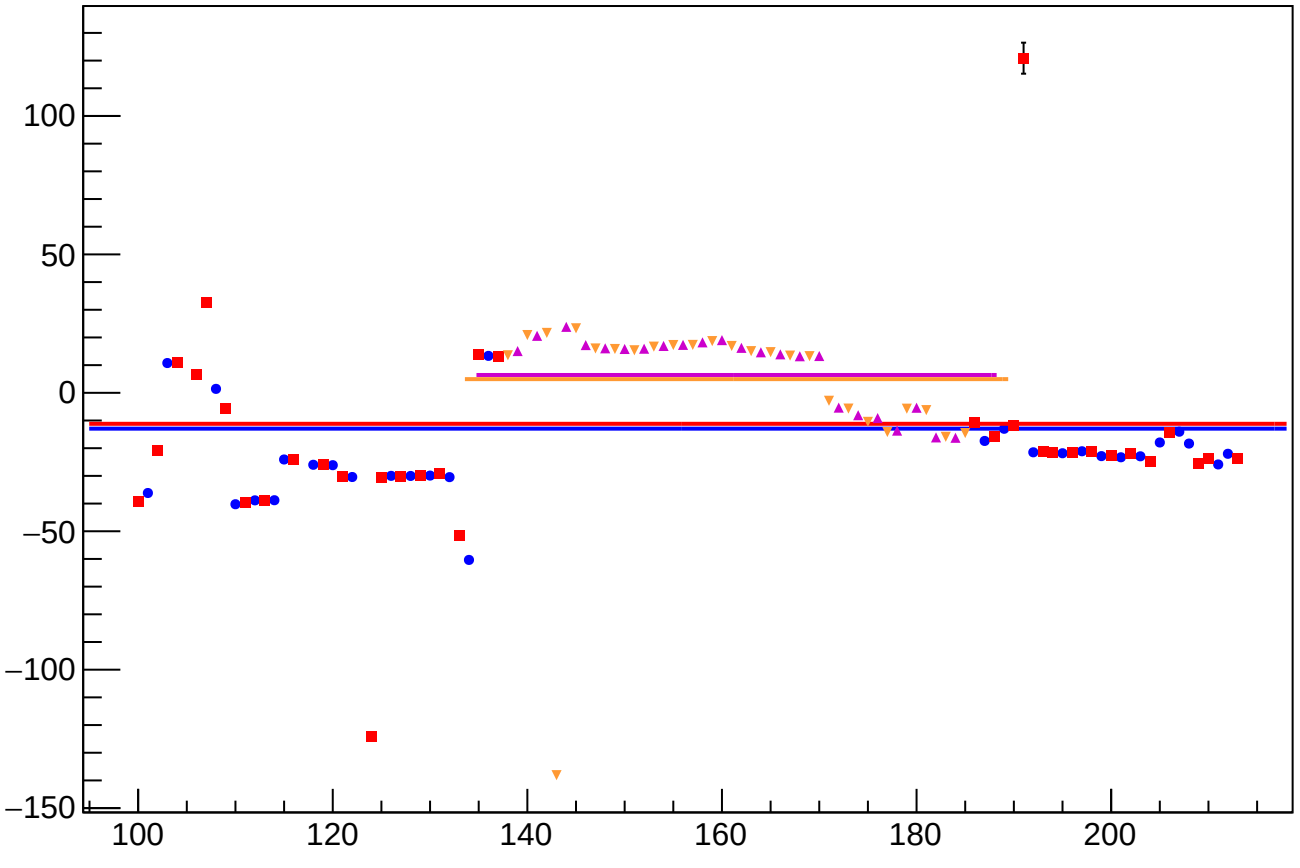
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 7.931+/-0.514 χ^2/NDF: 2837.9/62

In: 3.949+/-0.314 χ^2/NDF:3165.9/51

Out: 3.758+/-0.307 χ^2/NDF:3497.1/58

All: 3.851+/-0.219 χ^2/NDF: 6663.2/110



Right In: -12.940+/-0.035 χ^2/NDF: 300497.8/28

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

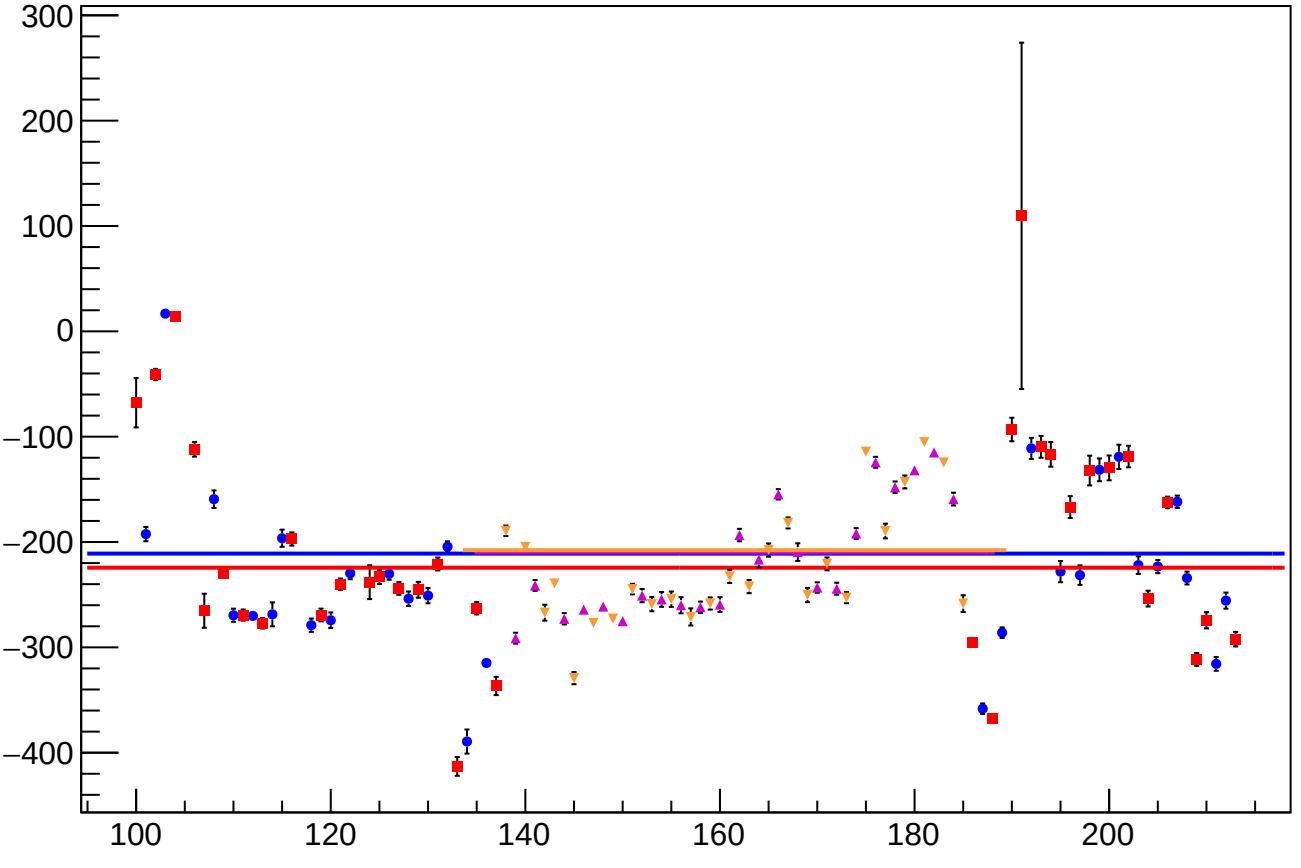
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -12.055+/-0.025 χ^2/NDF: 584239.8/62

In: 3.374+/-0.014 χ^2/NDF:1283146.8/51

Out: 2.381+/-0.014 χ^2/NDF:1597683.1/58

All: 2.874+/-0.010 χ^2/NDF: 2883341.9/110



Right In: -210.996+/-1.146 χ^2/NDF: 9120.9/28

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

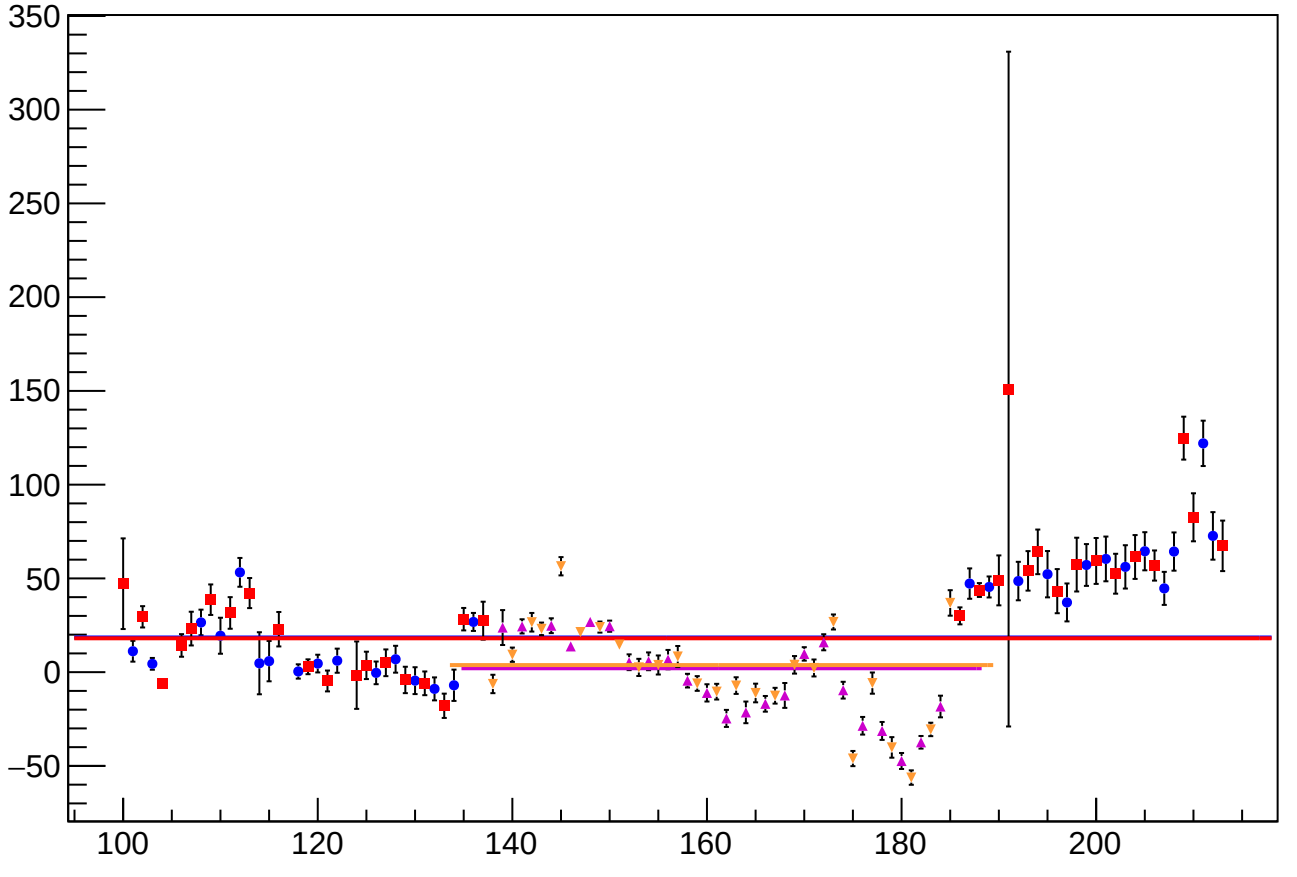
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -218.268+/-0.774 χ^2/NDF: 21859.0/62

In: -210.413+/-0.794 χ^2/NDF:12133.3/51

Out: -216.212+/-0.749 χ^2/NDF:16274.2/58

All: -213.481+/-0.545 χ^2/NDF: 28435.7/110



Right In: 18.493+/-1.266 χ^2/NDF: 366.9/28

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

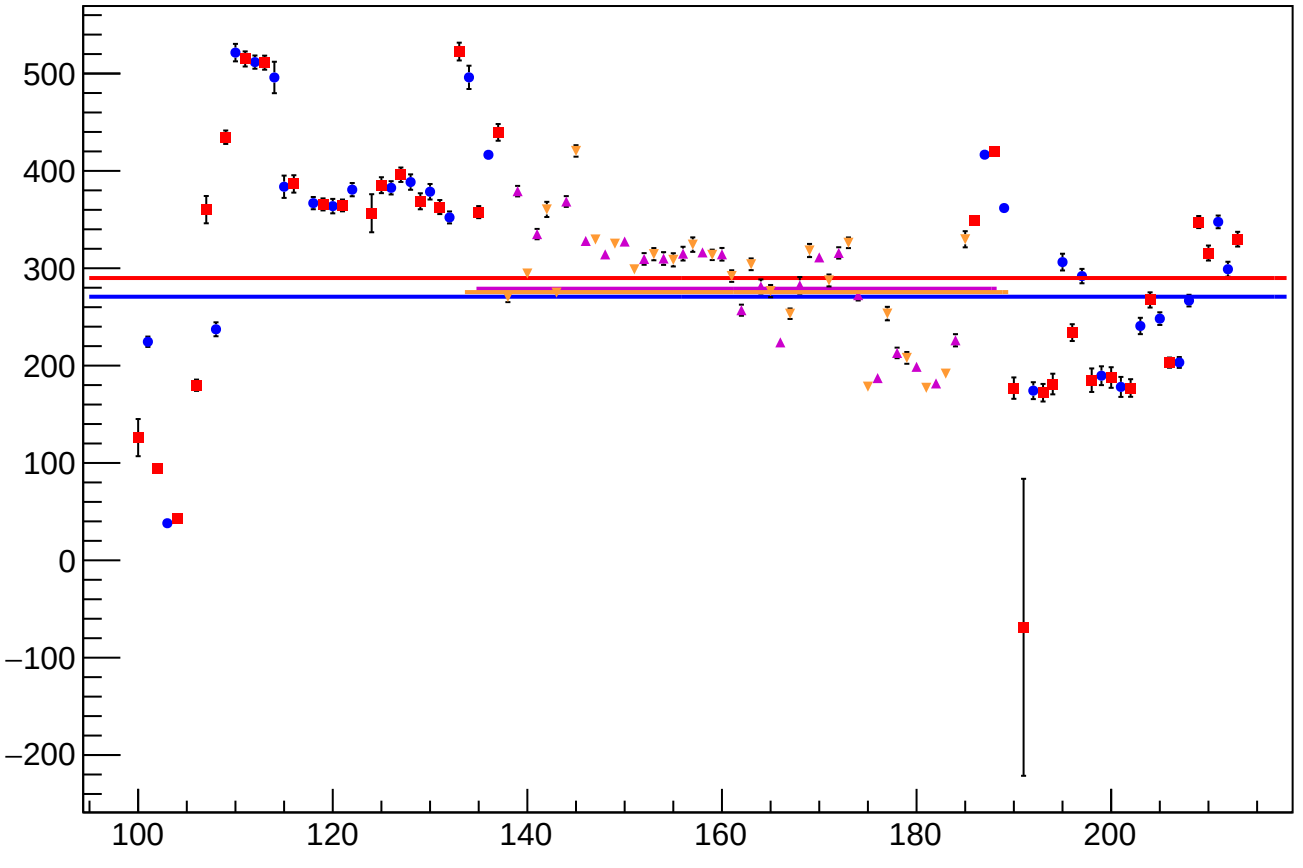
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 18.254+/-0.851 χ^2/NDF: 875.0/62

In: 6.932+/-0.688 χ^2/NDF:1255.5/51

Out: 8.336+/-0.649 χ^2/NDF:1585.4/58

All: 7.675+/-0.472 χ^2/NDF: 2843.2/110



Right In: 270.758+/-1.107 χ^2/NDF: 17906.2/28

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

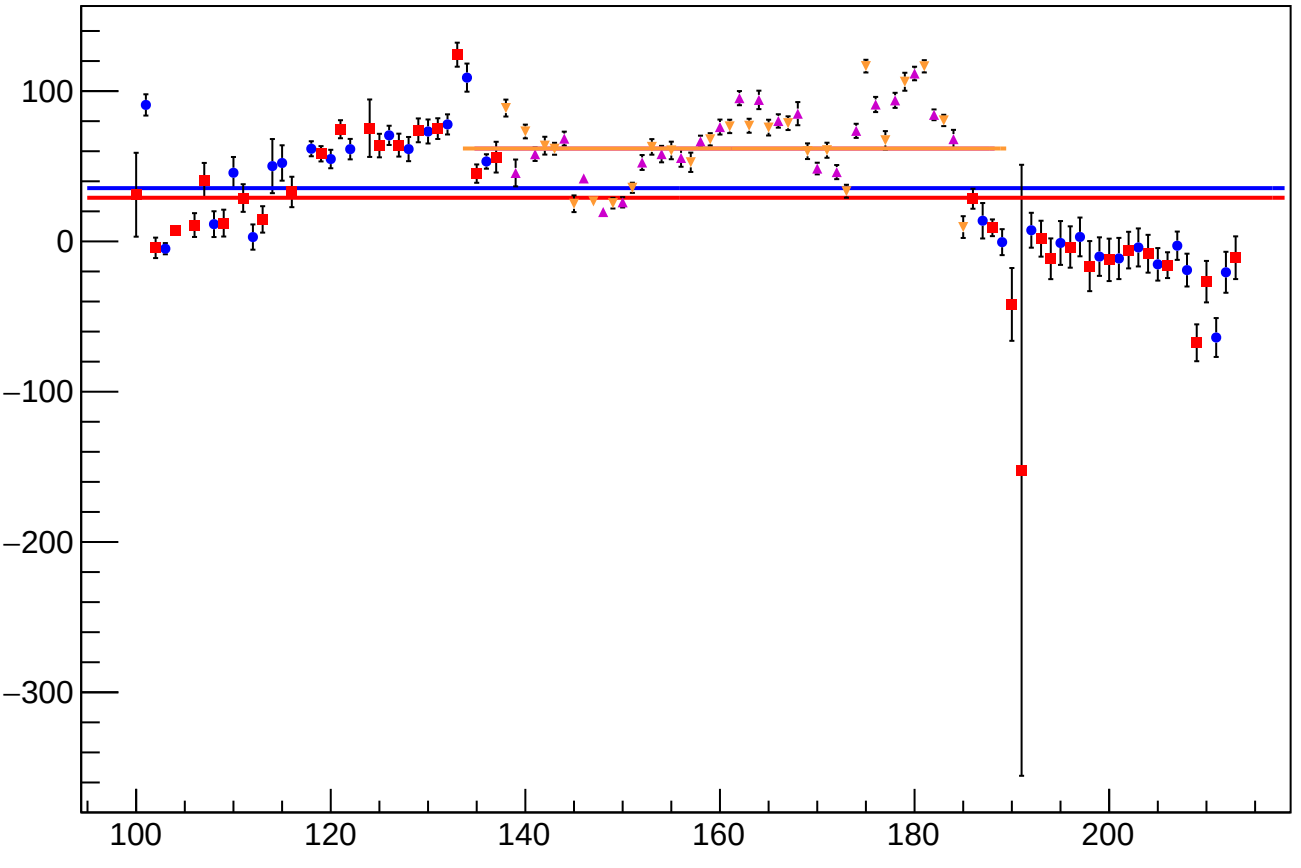
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 281.431+/-0.738 χ^2/NDF: 40364.4/62

In: 274.942+/-0.776 χ^2/NDF:21049.0/51

Out: 283.254+/-0.724 χ^2/NDF:25712.9/58

All: 279.389+/-0.529 χ^2/NDF: 46823.2/110



Right In: 35.447+/-1.482 χ^2/NDF: 647.0/28

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

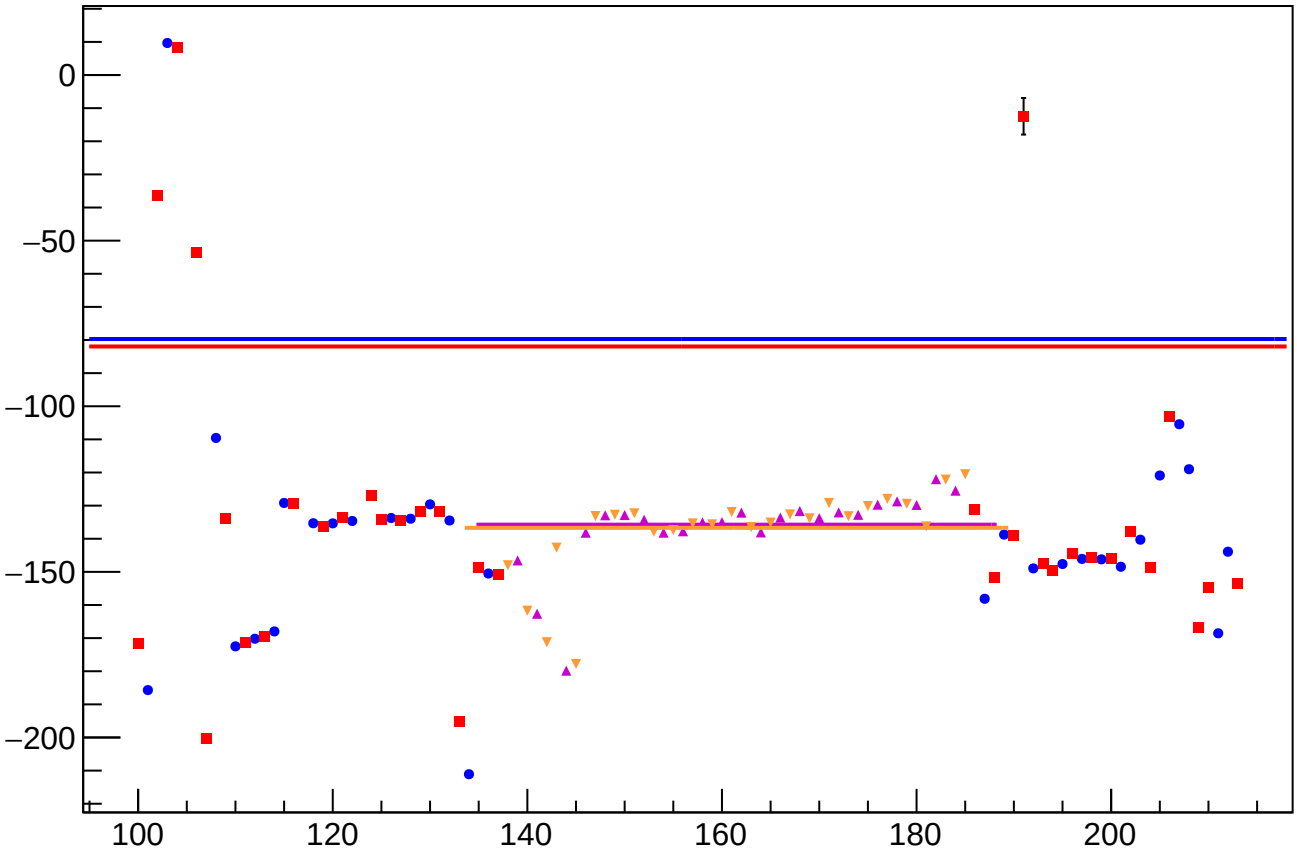
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 32.035+/-1.013 χ^2/NDF: 1301.6/62

In: 54.226+/-0.793 χ^2/NDF:1608.1/51

Out: 52.002+/-0.760 χ^2/NDF:1994.9/58

All: 53.066+/-0.549 χ^2/NDF: 3607.0/110



Right In: -79.700+/-0.062 χ^2/NDF: 1557738.5/28

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

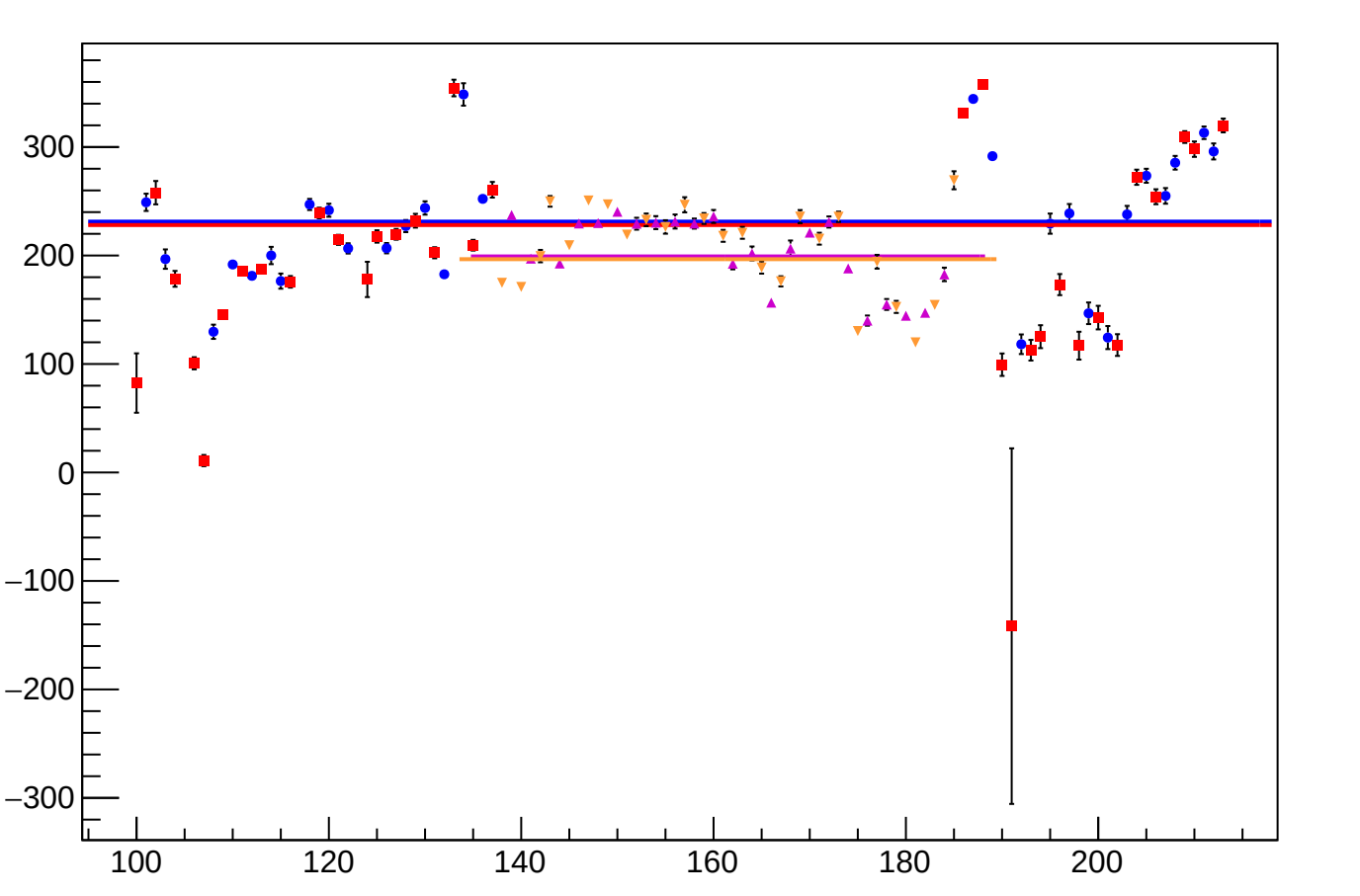
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -80.823+/-0.044 χ^2/NDF: 2821068.3/62

In: -117.815+/-0.035 χ^2/NDF:2169885.4/51

Out: -119.524+/-0.035 χ^2/NDF:1868361.4/58

All: -118.677+/-0.025 χ^2/NDF: 4039429.3/11



Right In: 231.238+/-1.065 χ^2/NDF: 2563.6/28

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

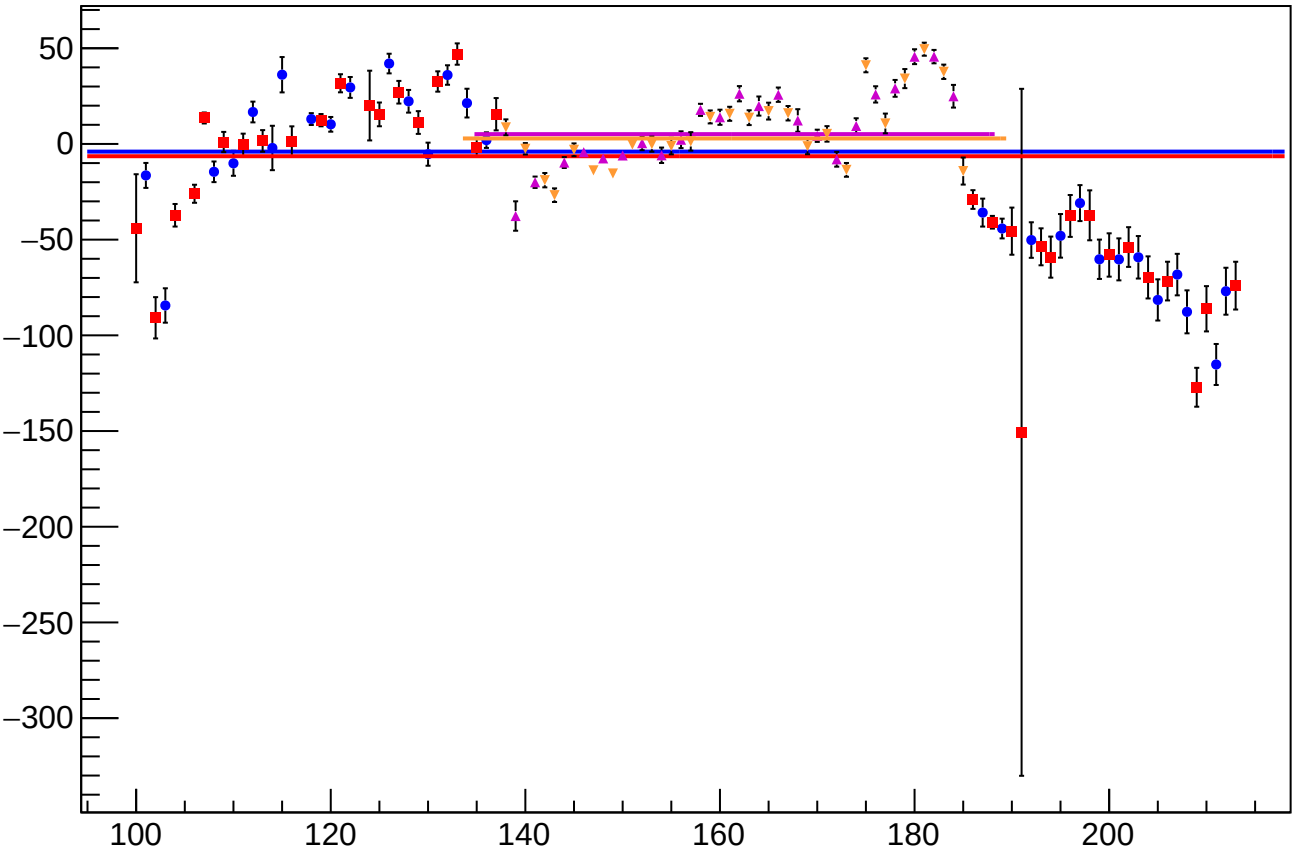
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 229.481+/-0.706 χ^2/NDF: 11303.1/62

In: 213.742+/-0.718 χ^2/NDF:4352.8/51

Out: 212.415+/-0.668 χ^2/NDF:11365.7/58

All: 213.031+/-0.489 χ^2/NDF: 15720.4/110



Right In: -4.004+/-1.182 χ^2/NDF: 873.3/28

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

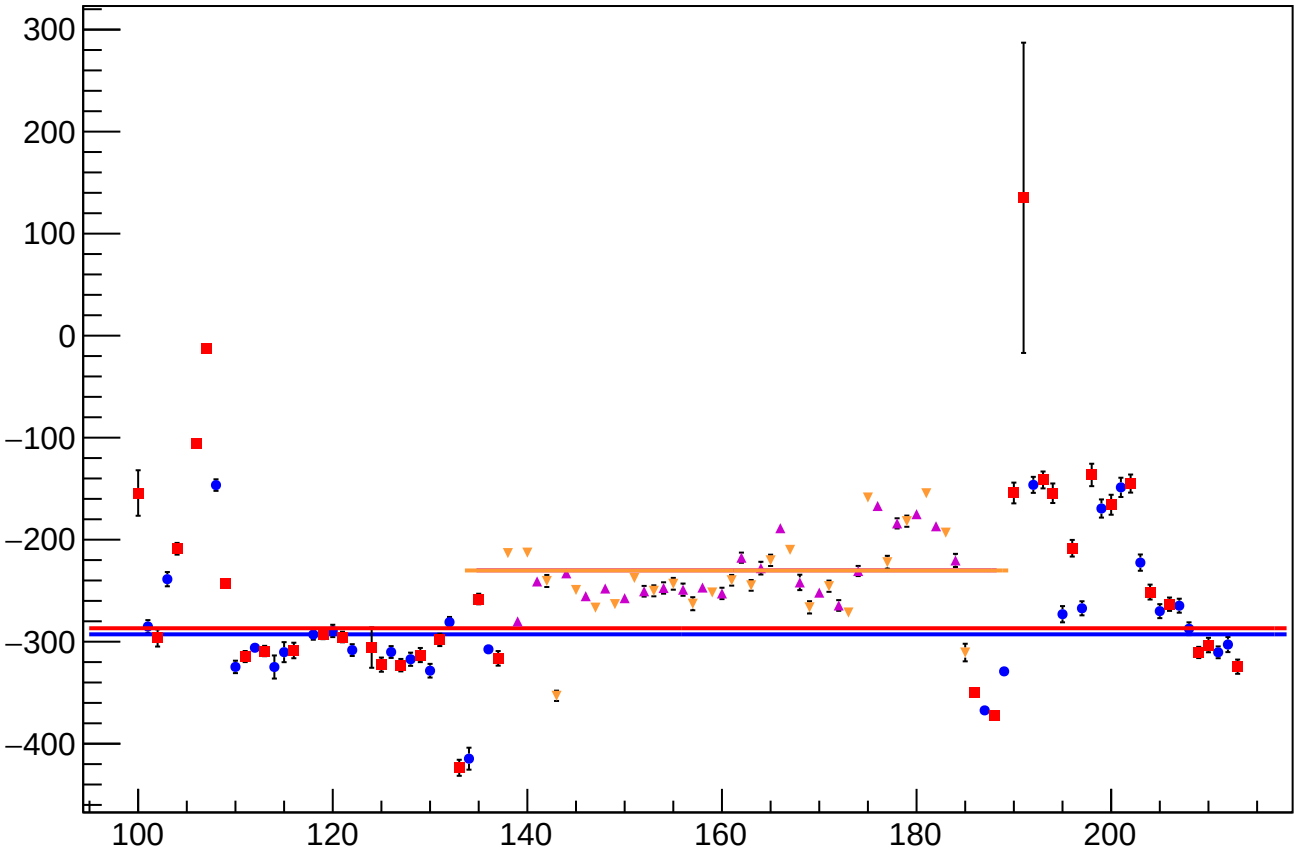
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -5.345+/-0.787 χ^2/NDF: 1880.5/62

In: 2.664+/-0.614 χ^2/NDF:1545.5/51

Out: 0.072+/-0.579 χ^2/NDF:1811.7/58

All: 1.294+/-0.421 χ^2/NDF: 3366.6/110



Right In: -292.787+/-1.108 χ^2/NDF: 2390.9/28

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

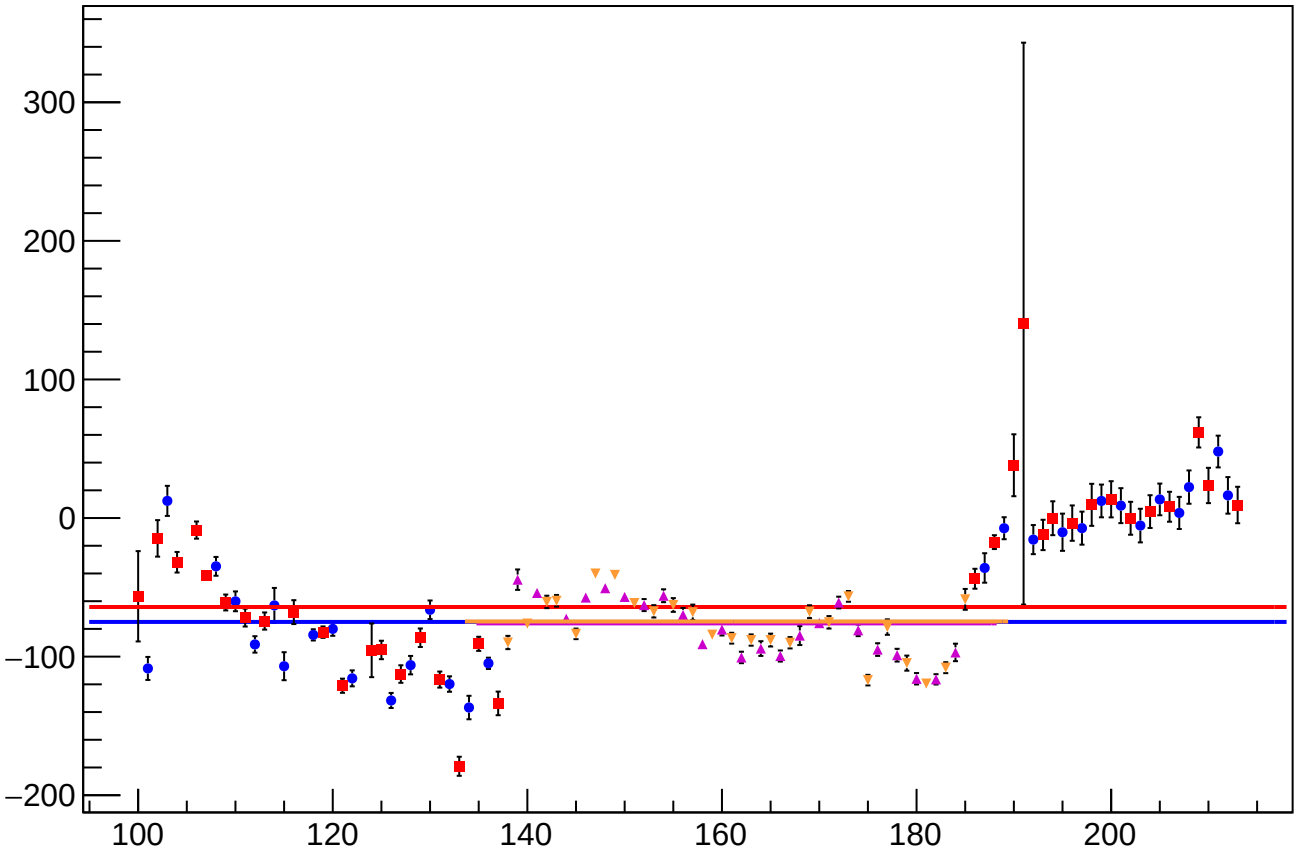
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -289.355+/-0.722 χ^2/NDF: 12382.5/62

In: -256.991+/-0.726 χ^2/NDF:5315.5/51

Out: -258.100+/-0.669 χ^2/NDF:13950.1/58

All: -257.591+/-0.492 χ^2/NDF: 19266.8/110



Right In: -74.963+/-1.378 χ^2/NDF: 1138.5/28

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

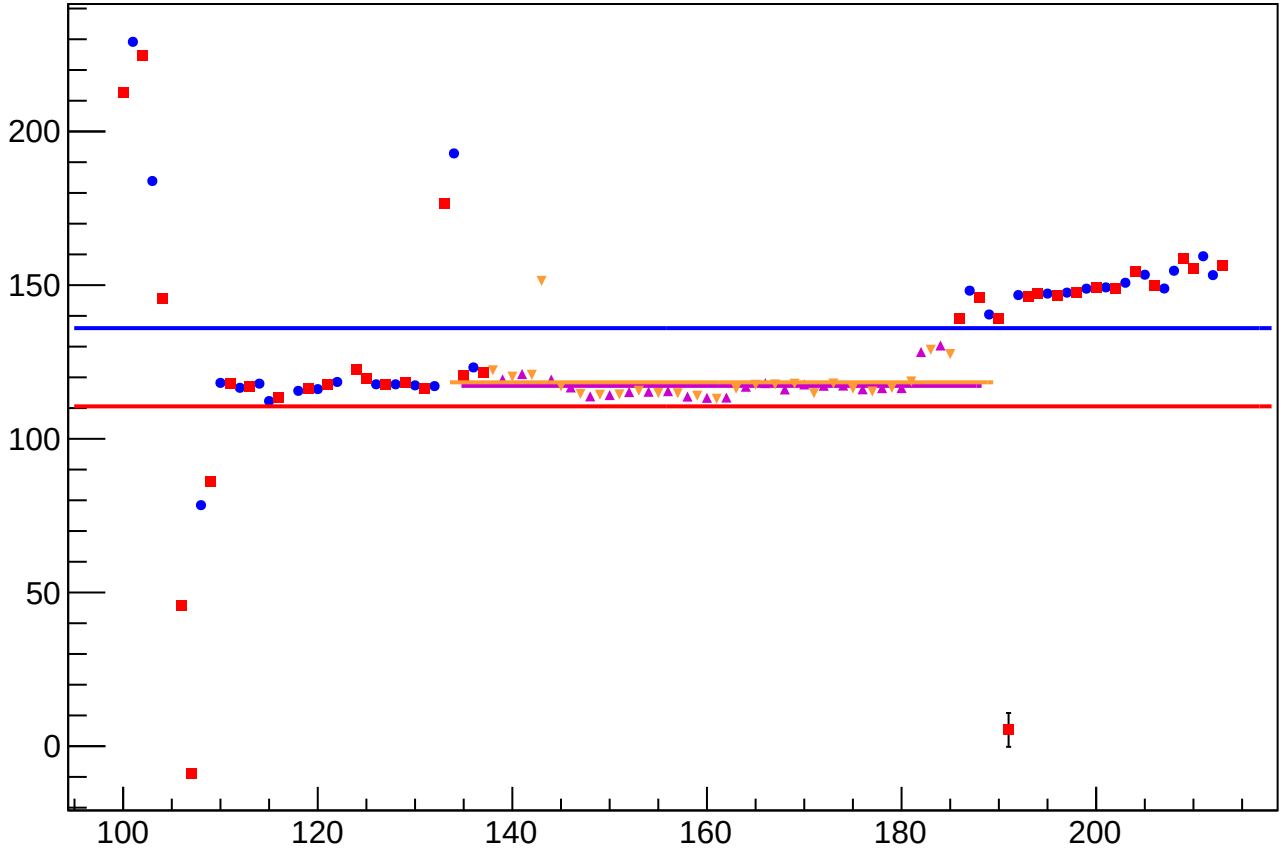
Right: -69.107+/-0.930 χ^2/NDF: 2589.3/62

In: -75.745+/-0.707 χ^2/NDF:1785.0/51

Out: -71.643+/-0.676 χ^2/NDF:2297.4/58

All: -73.601+/-0.489 χ^2/NDF: 4100.0/110

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 136.012+/-0.071 χ^2/NDF: 203336.7/28

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

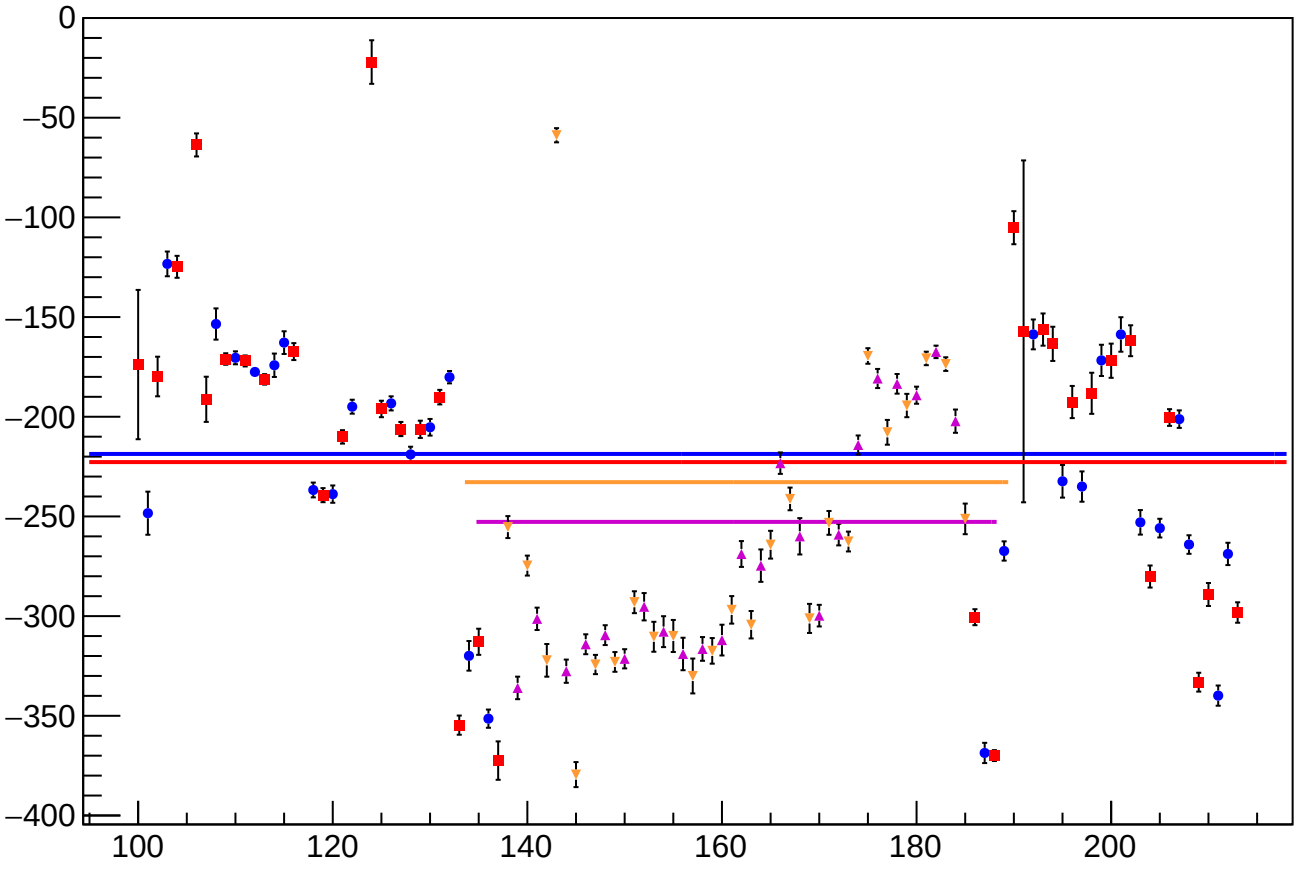
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 121.992+/-0.048 χ^2/NDF: 1055193.0/62

In: 121.314+/-0.033 χ^2/NDF:267895.5/51

Out: 116.418+/-0.032 χ^2/NDF:827640.1/58

All: 118.791+/-0.023 χ^2/NDF: 1106702.4/110



Right In: -218.656+/-0.859 χ^2/NDF: 4290.6/28

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

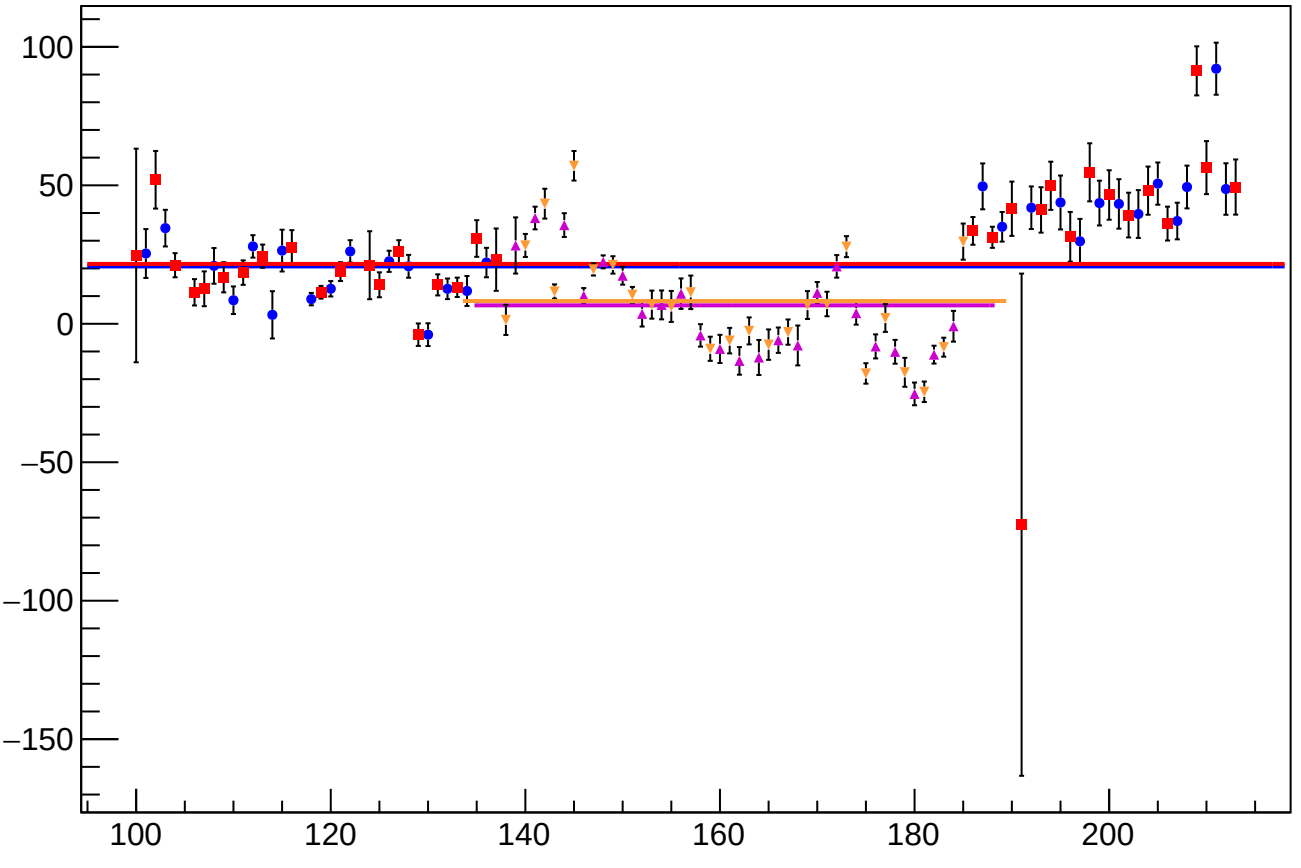
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -220.835+/-0.587 χ^2/NDF: 12942.7/62

In: -231.126+/-0.684 χ^2/NDF:7780.6/51

Out: -226.356+/-0.643 χ^2/NDF:14460.4/58

All: -228.592+/-0.468 χ^2/NDF: 22266.8/110



Right In: 20.719+/-0.943 χ^2/NDF: 255.3/28

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

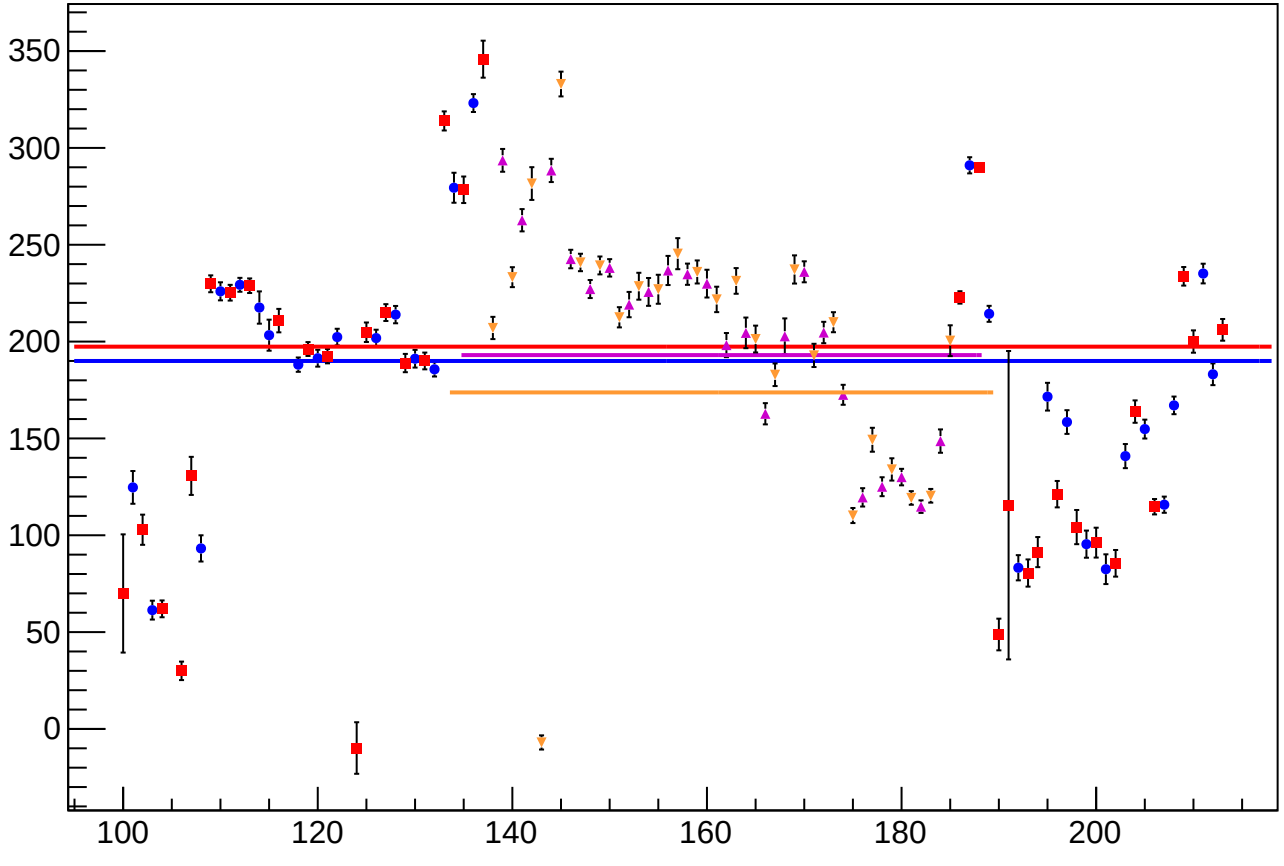
Right: 21.180+/-0.656 χ^2/NDF: 504.4/62

In: 13.027+/-0.635 χ^2/NDF:731.8/51

Out: 14.065+/-0.603 χ^2/NDF:827.9/58

All: 13.573+/-0.437 χ^2/NDF: 1561.0/110

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 189.990+/-0.926 χ^2/NDF: 4003.9/28

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

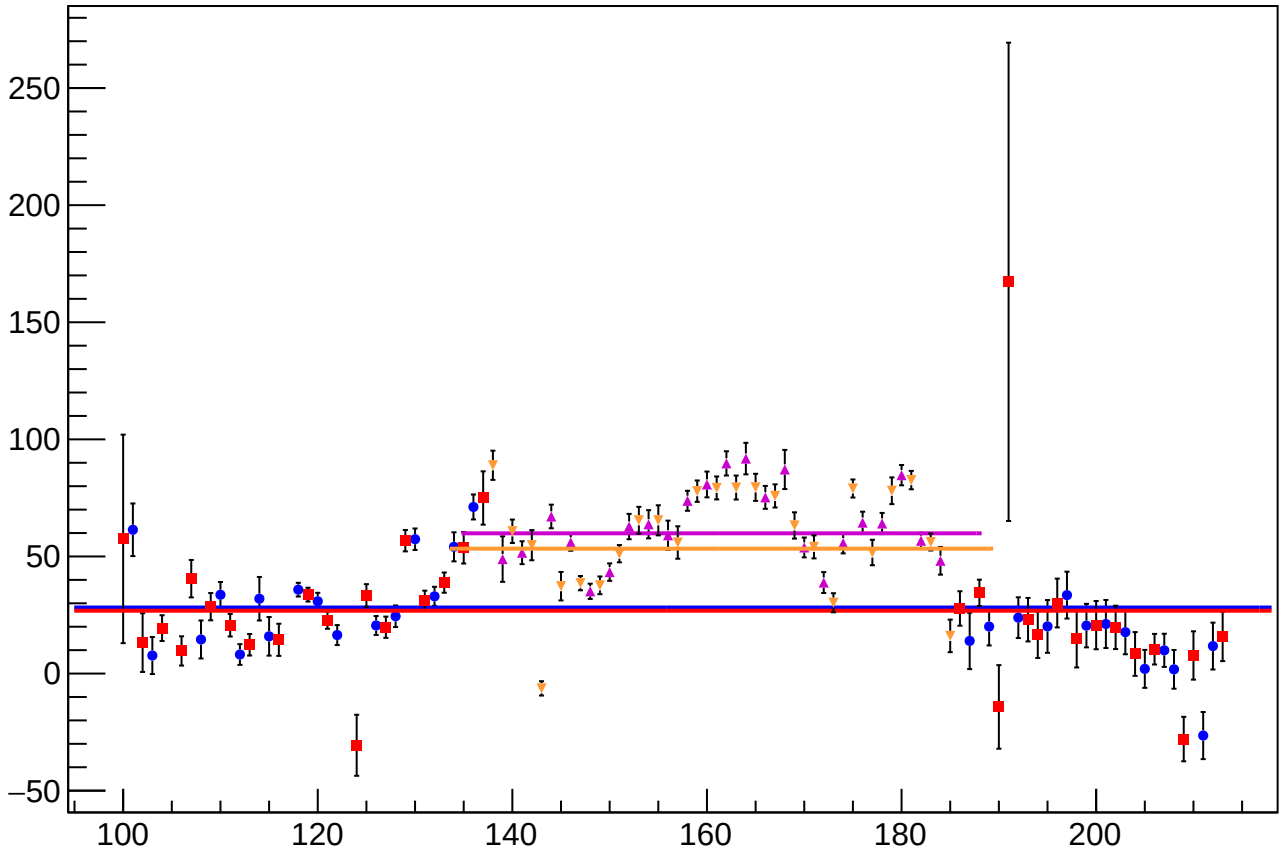
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 193.999+/-0.626 χ^2/NDF: 11650.5/62

In: 191.220+/-0.714 χ^2/NDF:6520.3/51

Out: 188.215+/-0.666 χ^2/NDF:13172.0/58

All: 189.612+/-0.487 χ^2/NDF: 19701.8/110



Right In: 28.201+/-1.097 χ^2/NDF: 251.1/28

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

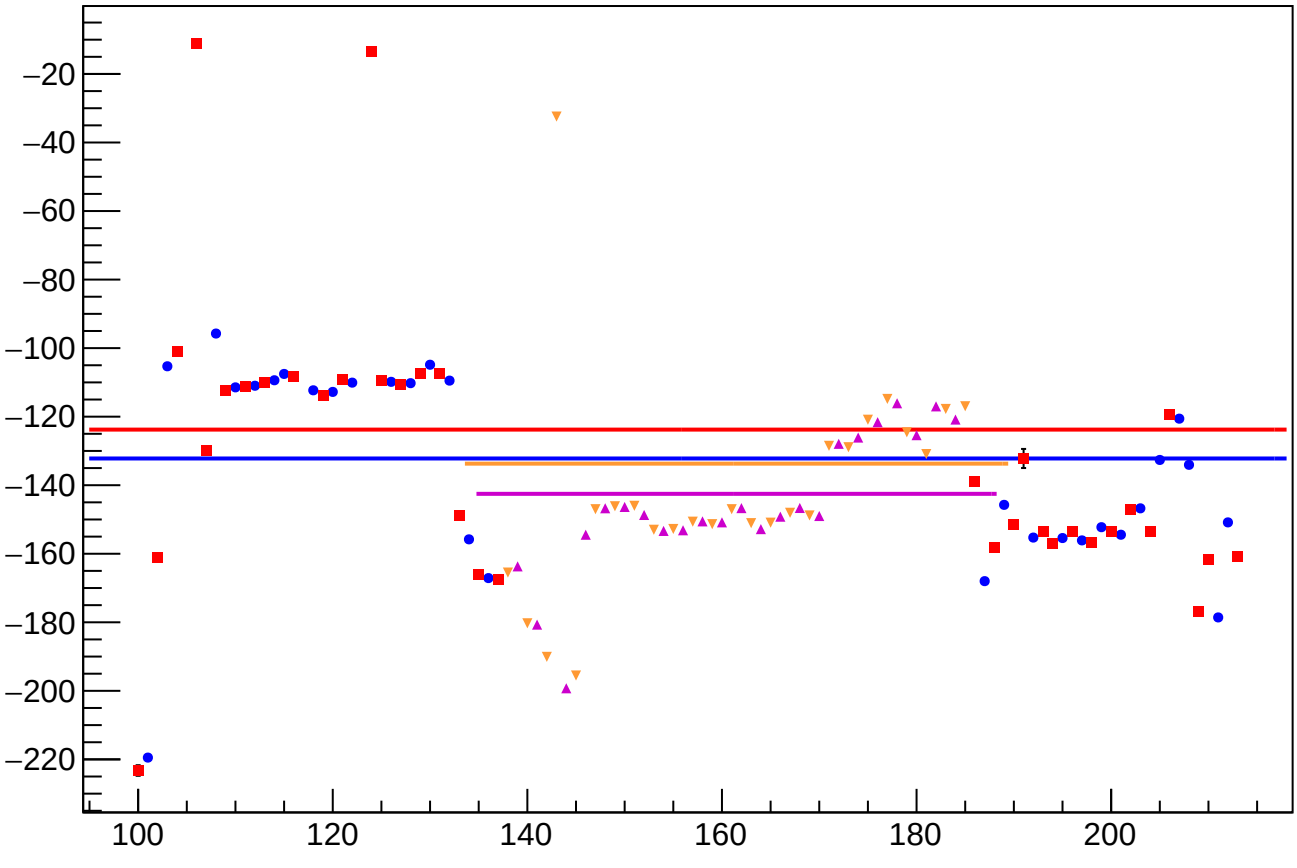
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 27.501+/-0.766 χ^2/NDF: 457.2/62

In: 45.874+/-0.730 χ^2/NDF:967.6/51

Out: 42.035+/-0.698 χ^2/NDF:1336.6/58

All: 43.870+/-0.504 χ^2/NDF: 2318.6/110



Right In: -132.202+/-0.060 χ^2/NDF: 186442.1/28

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

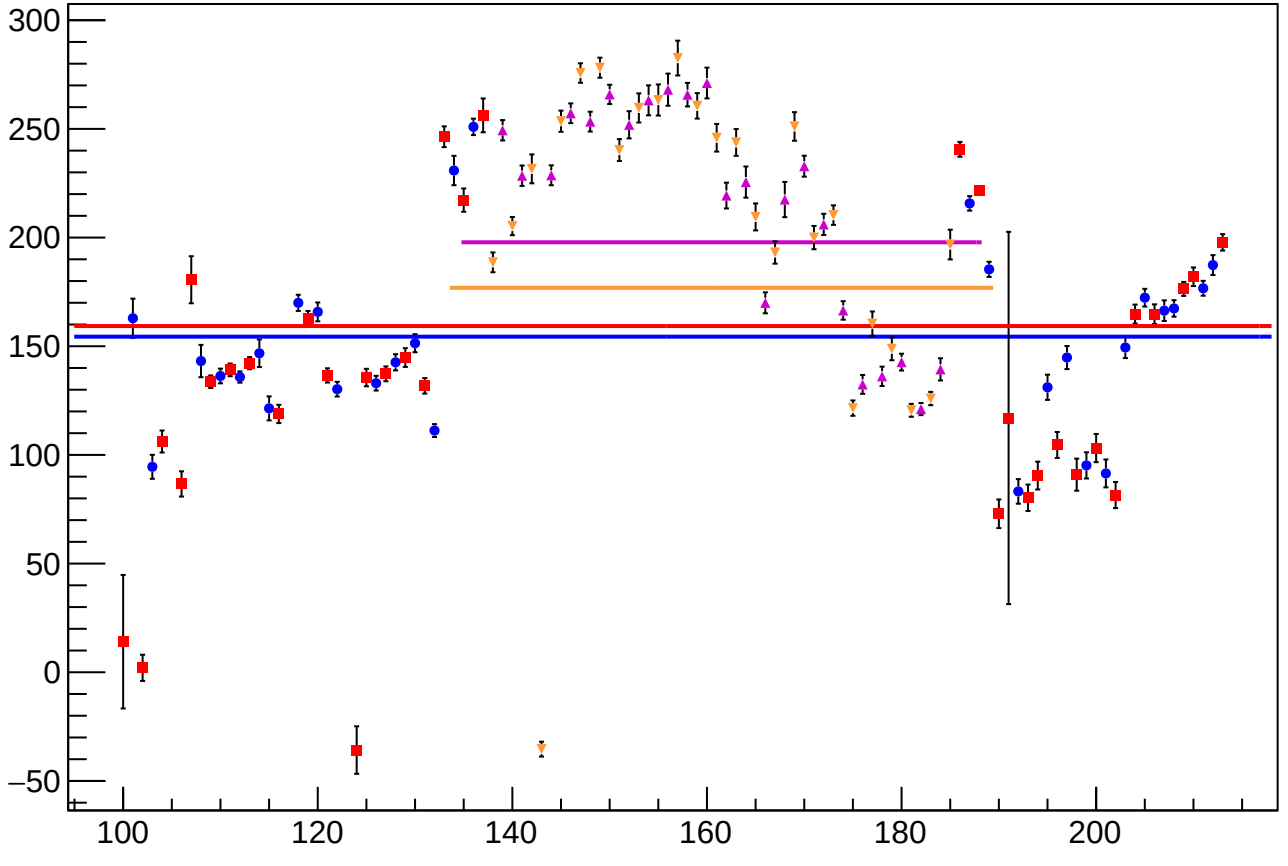
Right: -127.798+/-0.042 χ^2/NDF: 719238.8/62

In: -138.884+/-0.036 χ^2/NDF:383924.7/51

Out: -130.170+/-0.034 χ^2/NDF:1217658.8/58

All: -134.355+/-0.025 χ^2/NDF: 1632471.8/11

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 154.403+/-0.775 χ^2/NDF: 2278.9/28

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

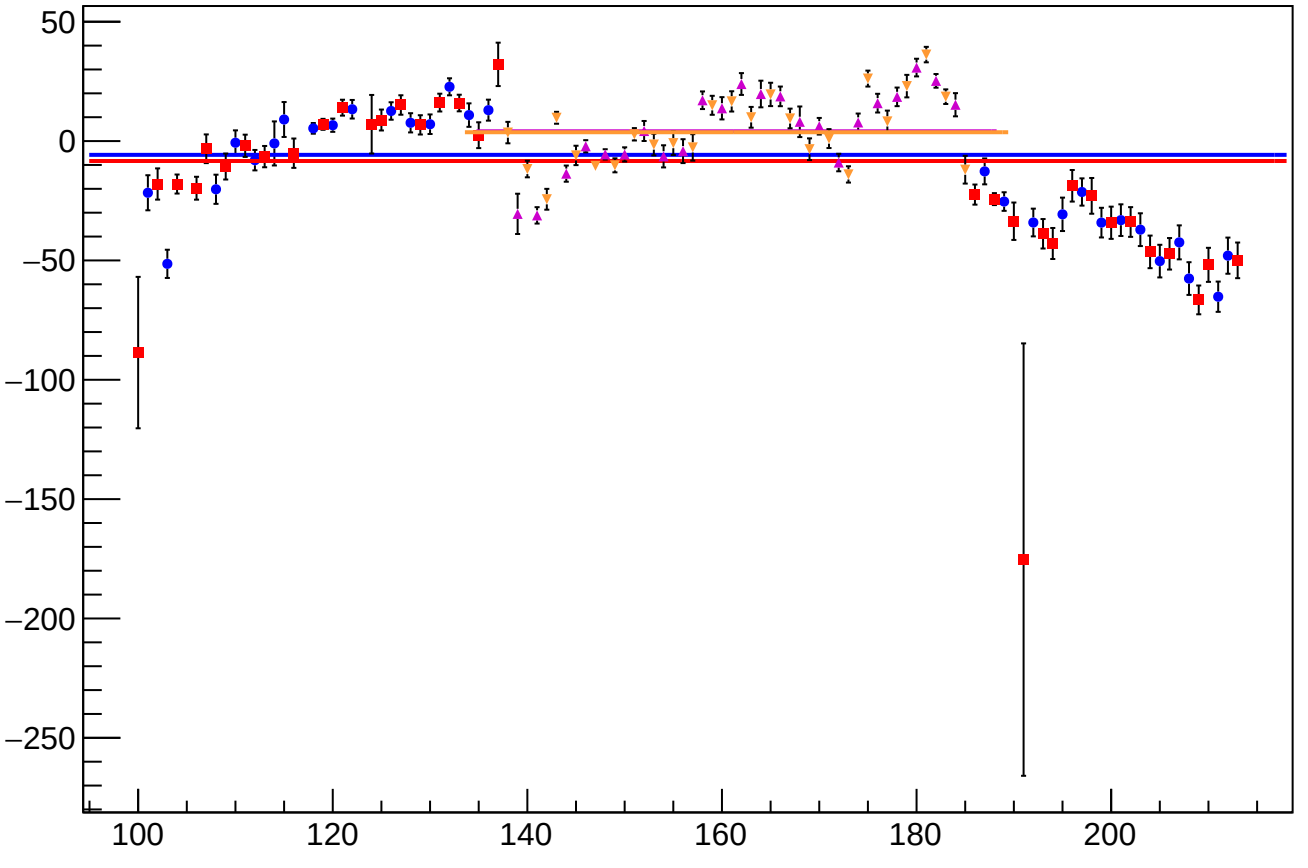
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 157.062+/-0.524 χ^2/NDF: 7481.0/62

In: 170.580+/-0.614 χ^2/NDF:6415.8/51

Out: 165.538+/-0.570 χ^2/NDF:12822.9/58

All: 167.873+/-0.418 χ^2/NDF: 19274.9/110



Right In: -5.769+/-0.872 χ^2/NDF: 658.6/28

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

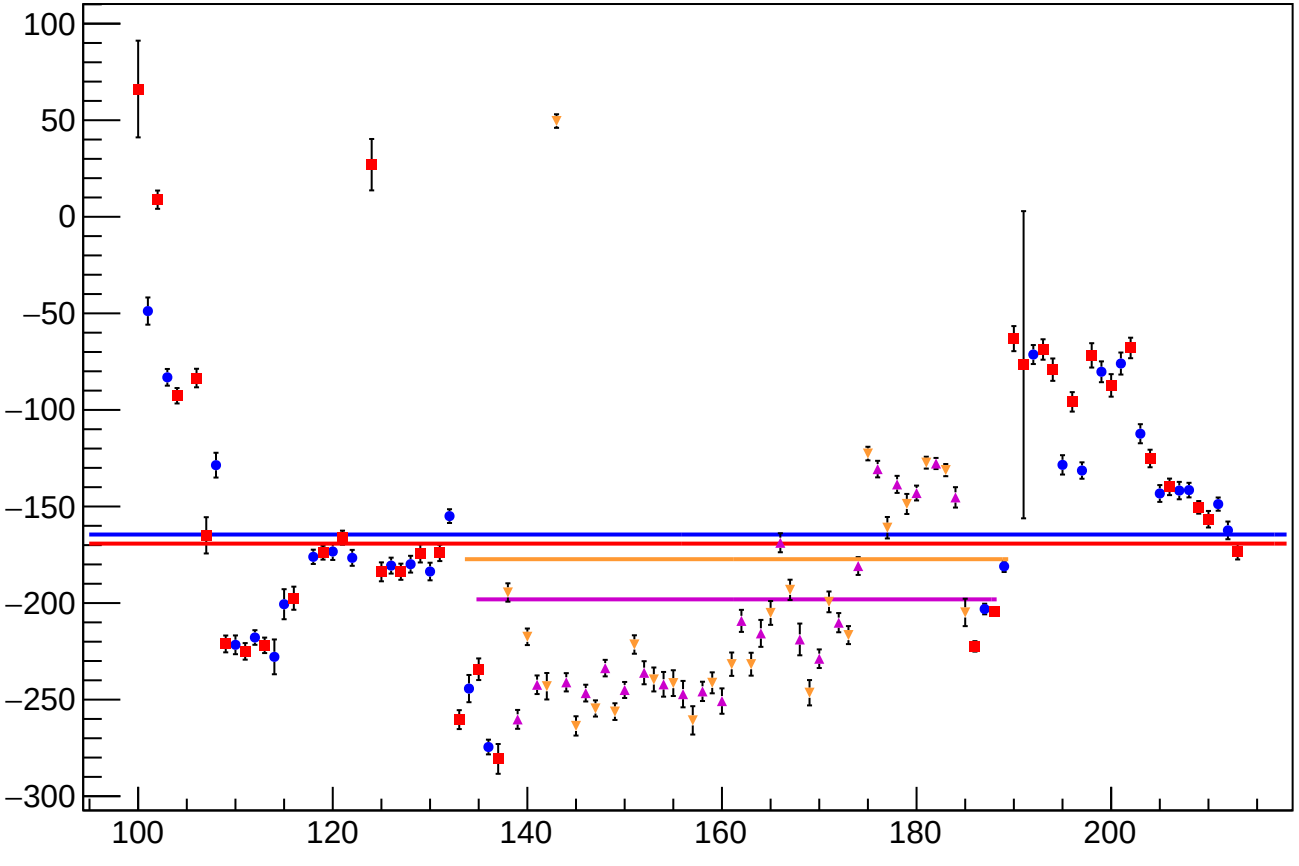
Right: -7.121+/-0.601 χ^2/NDF: 1339.5/62

In: -0.215+/-0.577 χ^2/NDF:1129.6/51

Out: -1.504+/-0.545 χ^2/NDF:1197.3/58

All: -0.896+/-0.396 χ^2/NDF: 2329.5/110

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -164.512+/-0.803 χ^2/NDF: 3505.6/28

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

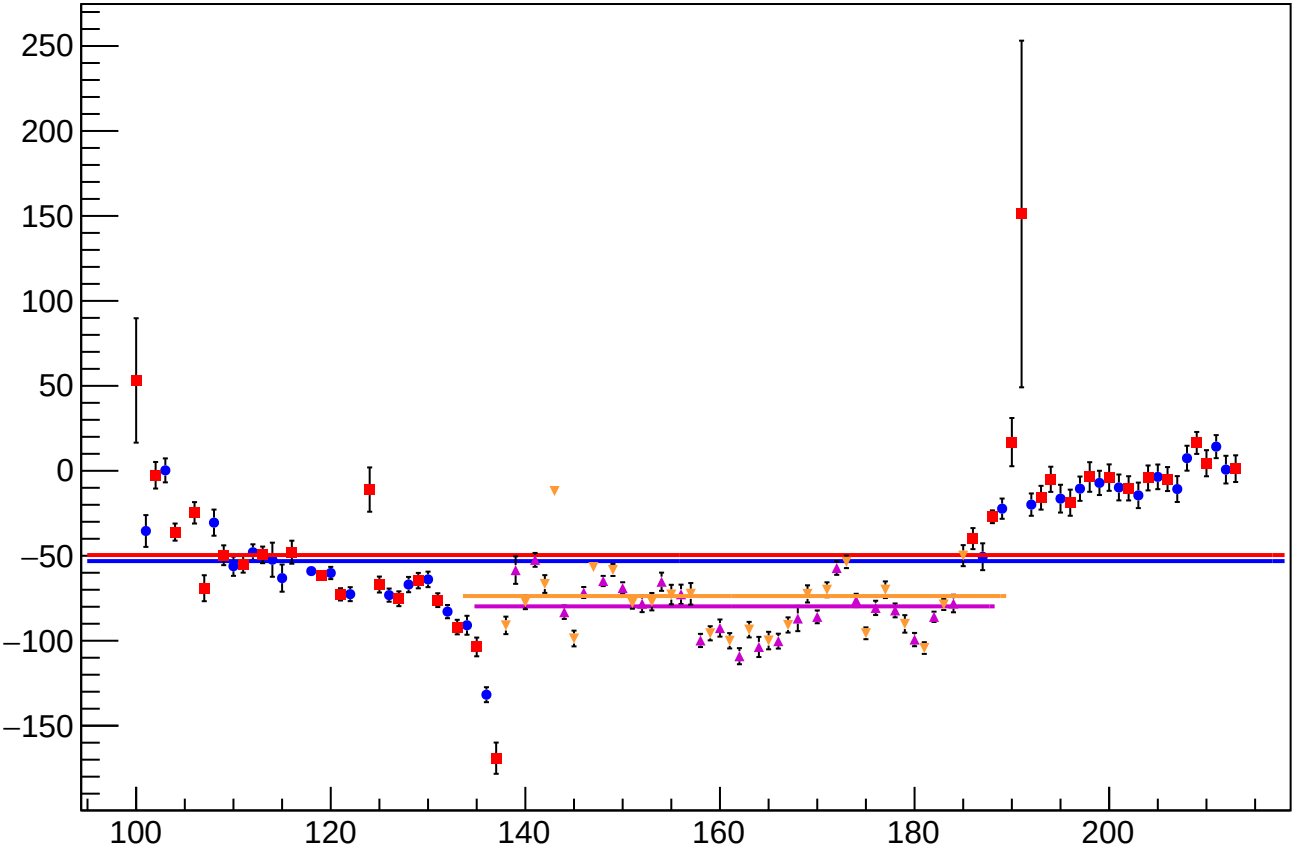
Right: -167.143+/-0.534 χ^2/NDF: 10218.4/62

In: -177.677+/-0.626 χ^2/NDF:6577.1/51

Out: -172.109+/-0.572 χ^2/NDF:13779.1/58

All: -174.642+/-0.422 χ^2/NDF: 20399.3/110

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -53.139+/-1.018 χ^2/NDF: 1063.9/28

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

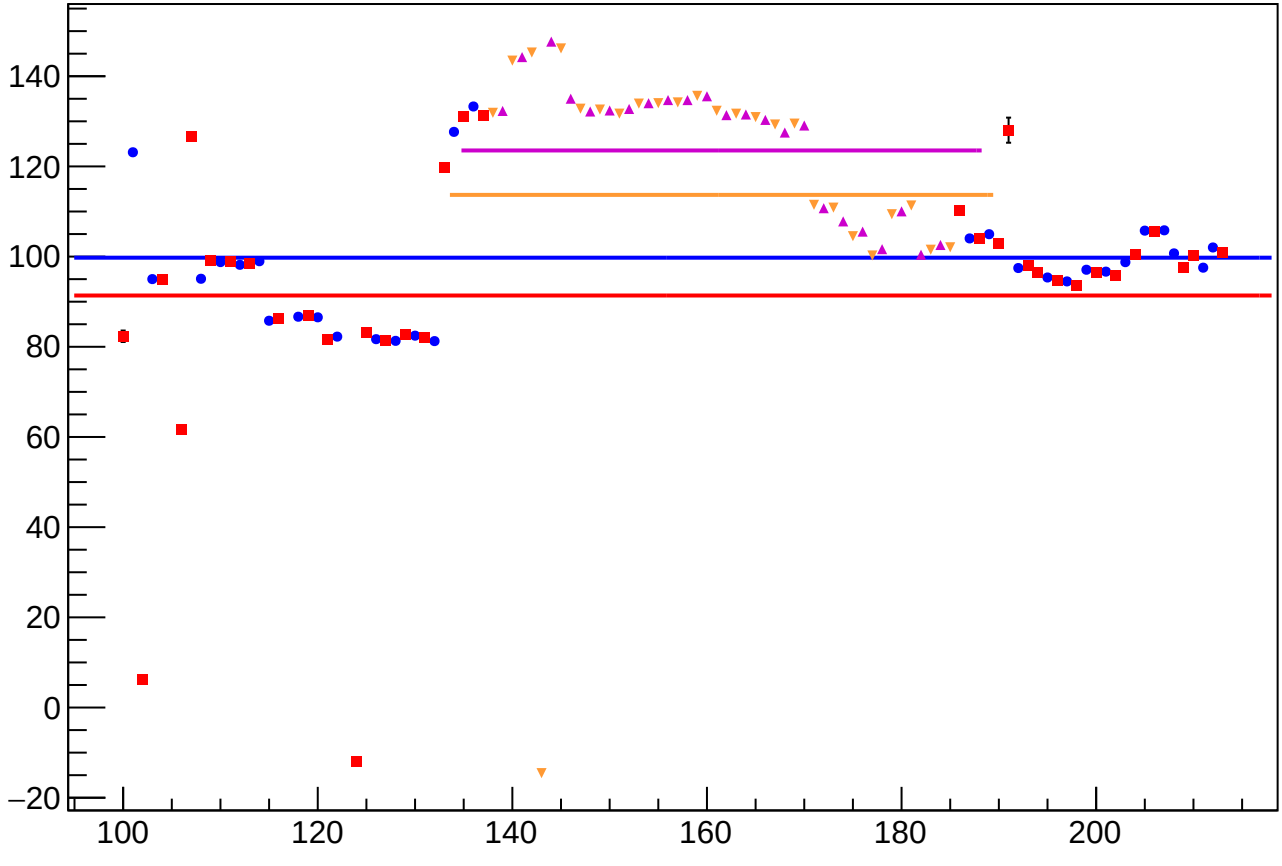
Right: -51.292+/-0.707 χ^2/NDF: 2182.6/62

In: -68.473+/-0.663 χ^2/NDF:1735.1/51

Out: -63.663+/-0.633 χ^2/NDF:2304.8/58

All: -65.958+/-0.458 χ^2/NDF: 4067.5/110

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 99.759+/-0.052 χ^2/NDF: 70135.7/28

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

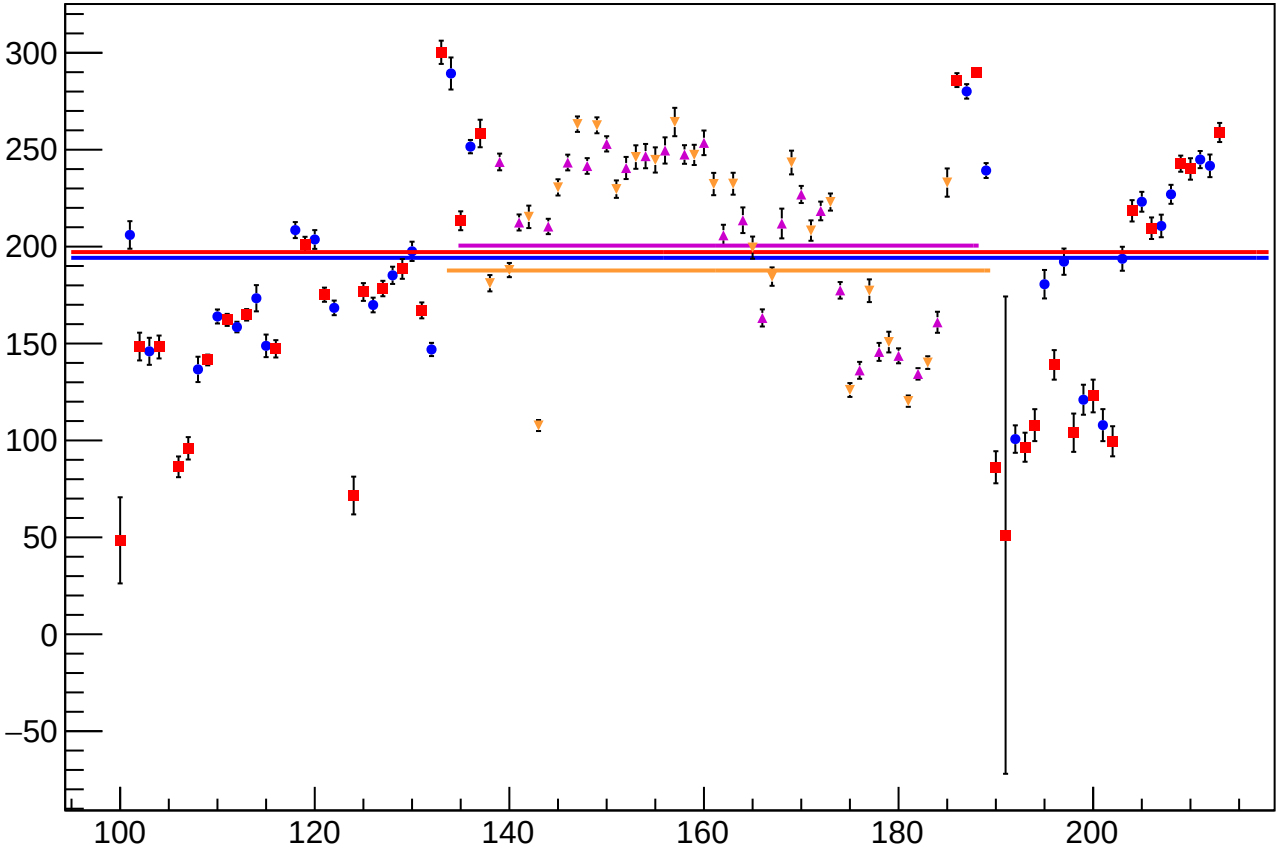
Right: 95.307+/-0.036 χ^2/NDF: 373206.7/62

In: 114.889+/-0.032 χ^2/NDF:335790.9/51

Out: 105.264+/-0.030 χ^2/NDF:1380367.9/58

All: 109.869+/-0.022 χ^2/NDF: 1764541.8/110

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.215+/-0.881 χ^2/NDF: 2469.3/28

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

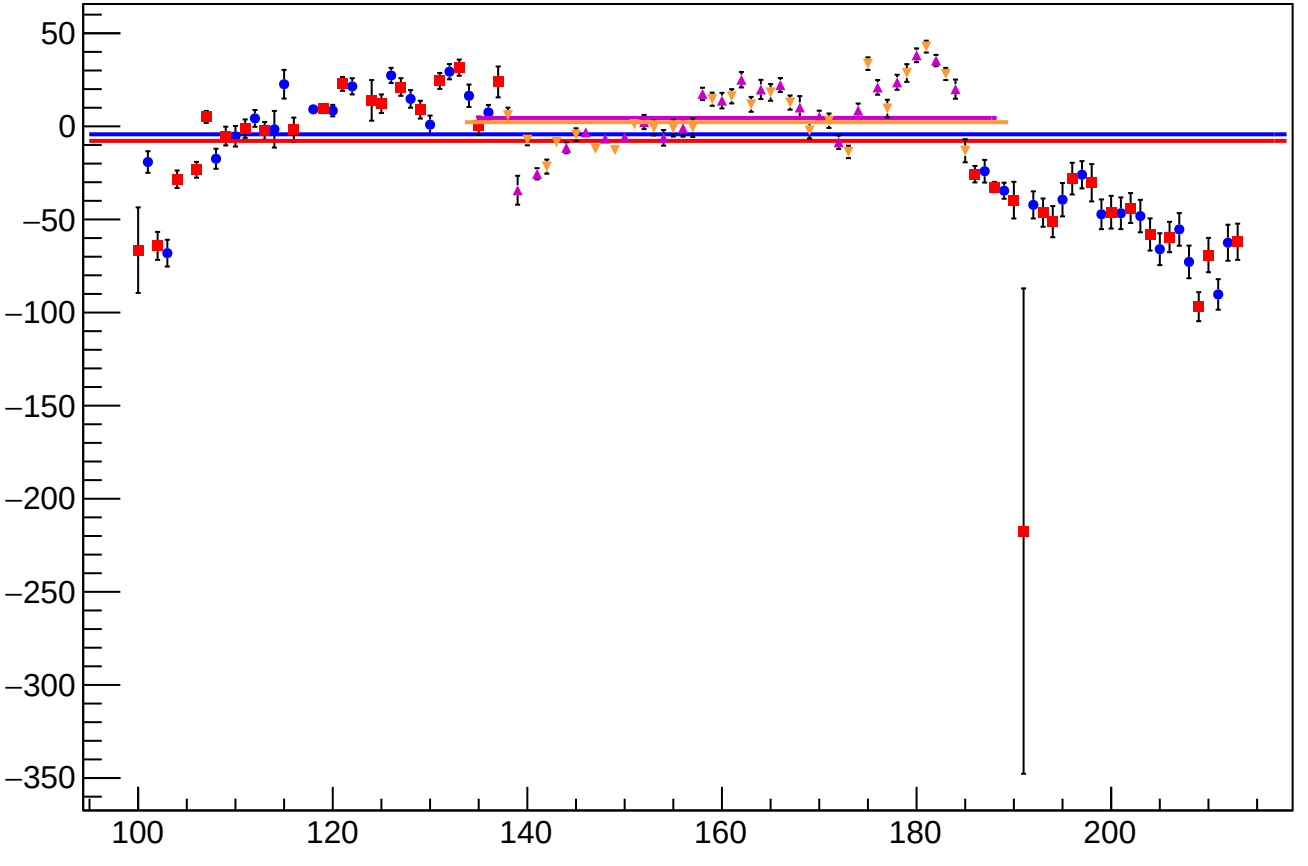
Right: 195.855+/-0.589 χ^2/NDF: 8846.9/62

In: 197.114+/-0.648 χ^2/NDF:4604.3/51

Out: 193.022+/-0.594 χ^2/NDF:9962.6/58

All: 194.891+/-0.438 χ^2/NDF: 14588.5/110

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.269+/-0.978 χ^2/NDF: 836.7/28

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

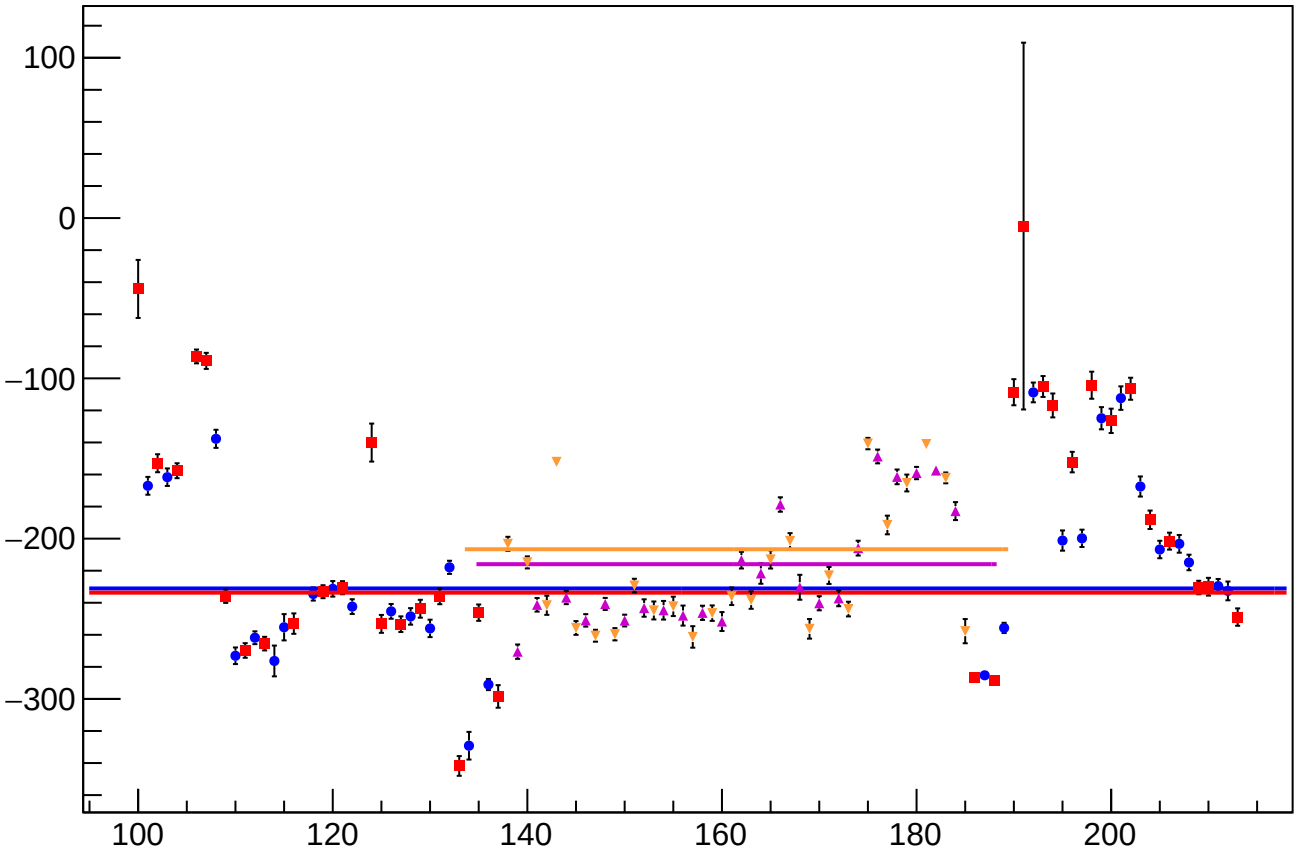
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -6.178+/-0.663 χ^2/NDF: 1790.0/62

In: 1.459+/-0.577 χ^2/NDF:1436.4/51

Out: -1.291+/-0.535 χ^2/NDF:1627.5/58

All: -0.019+/-0.392 χ^2/NDF: 3076.1/110



Right In: -231.084+/-0.918 χ^2/NDF: 2683.2/28

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

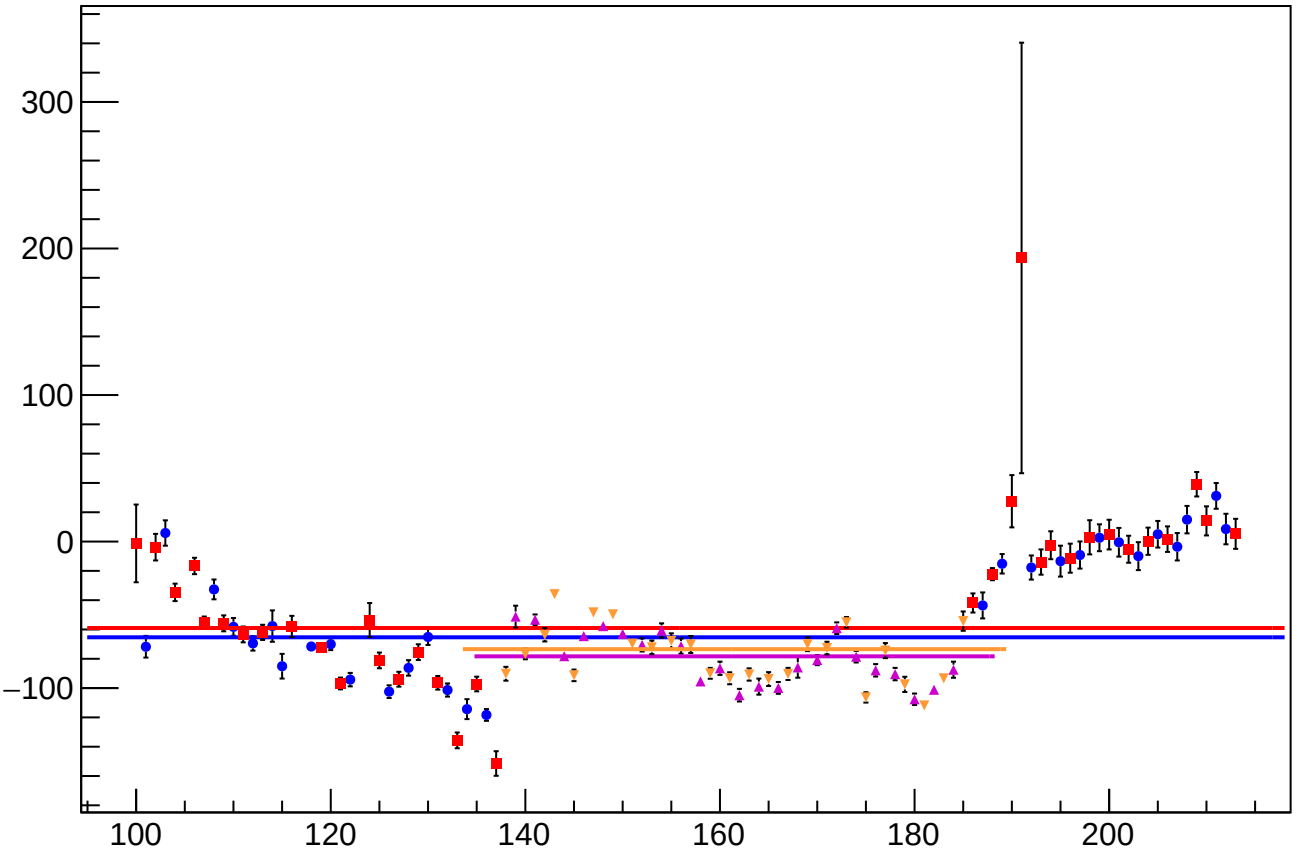
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.566+/-0.603 χ^2/NDF: 9356.1/62

In: -223.741+/-0.659 χ^2/NDF:4527.2/51

Out: -221.669+/-0.596 χ^2/NDF:9645.1/58

All: -222.602+/-0.442 χ^2/NDF: 14177.8/110



Right In: -65.337+/-1.143 χ^2/NDF: 1161.6/28

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

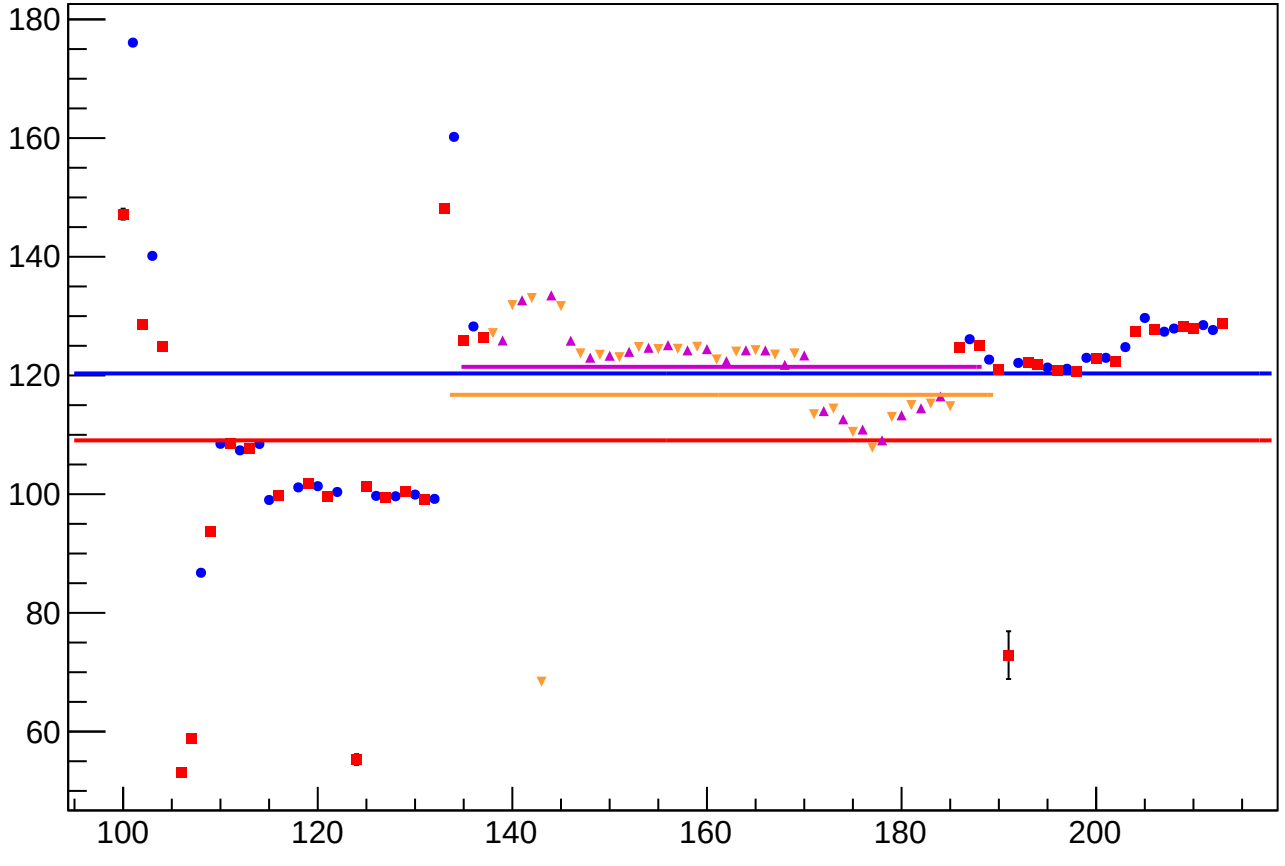
Right: -61.966+/-0.783 χ^2/NDF: 2540.8/62

In: -73.935+/-0.665 χ^2/NDF:1690.3/51

Out: -68.548+/-0.624 χ^2/NDF:2319.1/58

All: -71.071+/-0.455 χ^2/NDF: 4044.3/110

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.341+/-0.060 χ^2/NDF: 99048.0/28

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

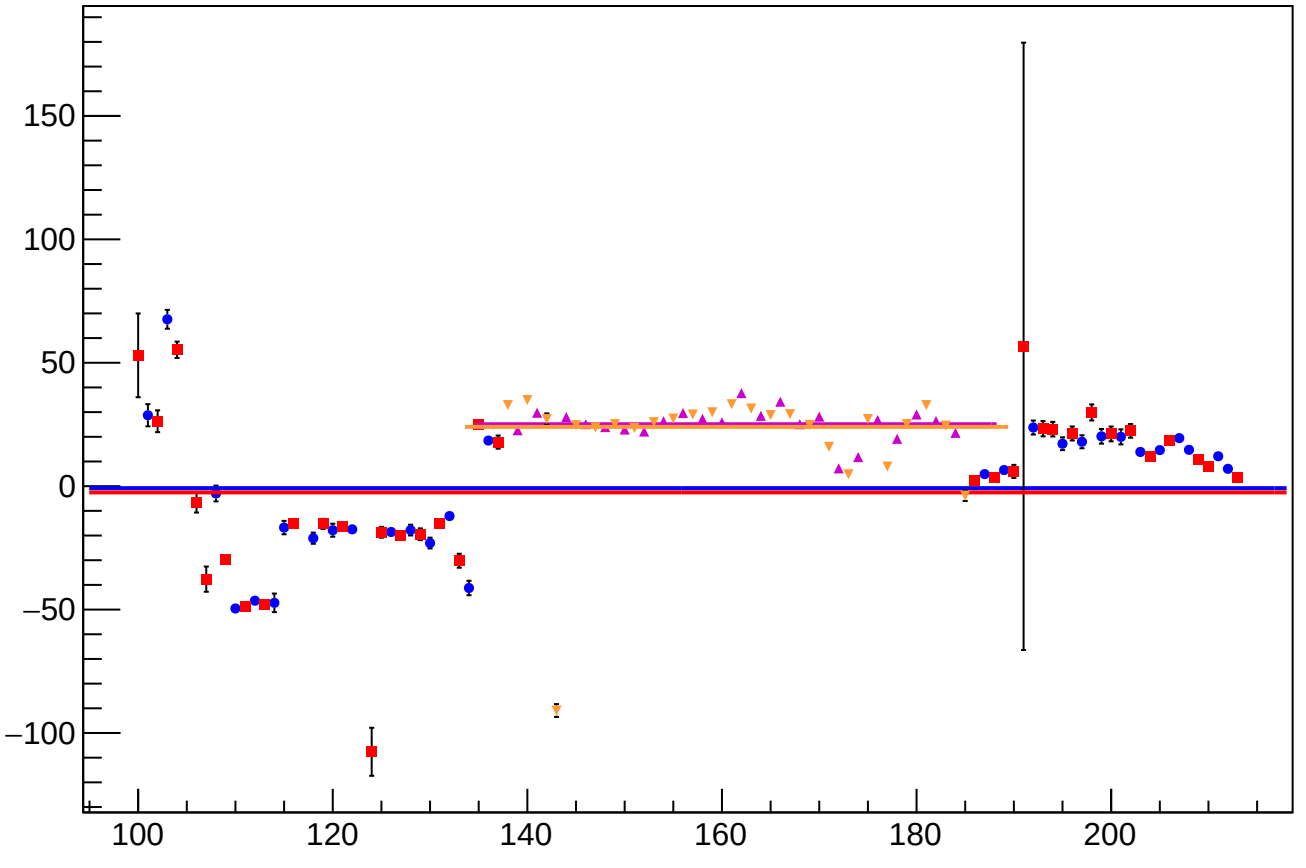
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.199+/-0.041 χ^2/NDF: 331943.1/62

In: 121.145+/-0.032 χ^2/NDF:128092.9/51

Out: 114.449+/-0.030 χ^2/NDF:431045.2/58

All: 117.616+/-0.022 χ^2/NDF: 582711.8/110



Right In: -0.801+/-0.379 χ^2/NDF: 3674.9/28

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

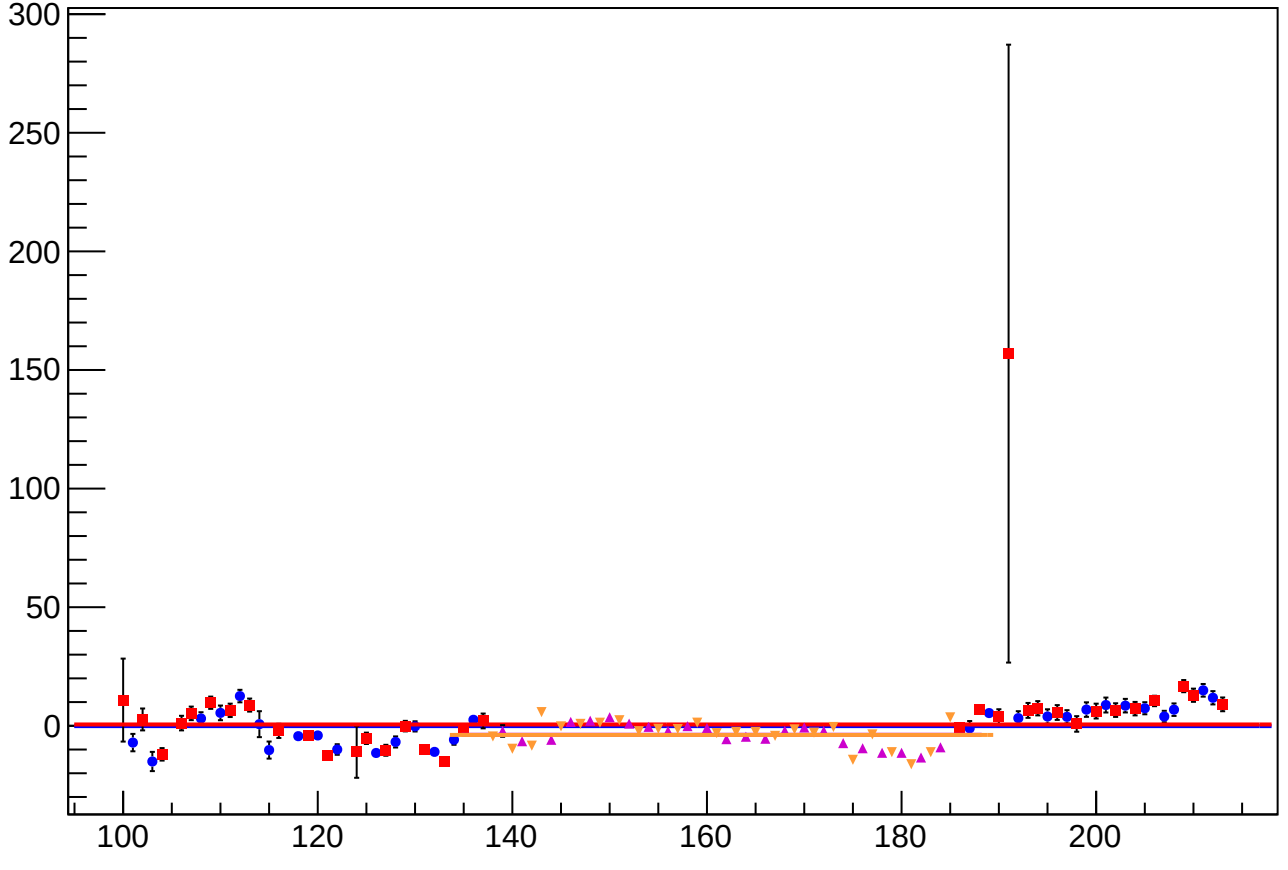
Right: -1.724+/-0.258 χ^2/NDF: 7575.2/62

In: 15.646+/-0.229 χ^2/NDF:7134.1/51

Out: 13.689+/-0.220 χ^2/NDF:10142.1/58

All: 14.630+/-0.159 χ^2/NDF: 17314.2/110

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.131+/-0.446 χ^2/NDF: 268.1/28

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

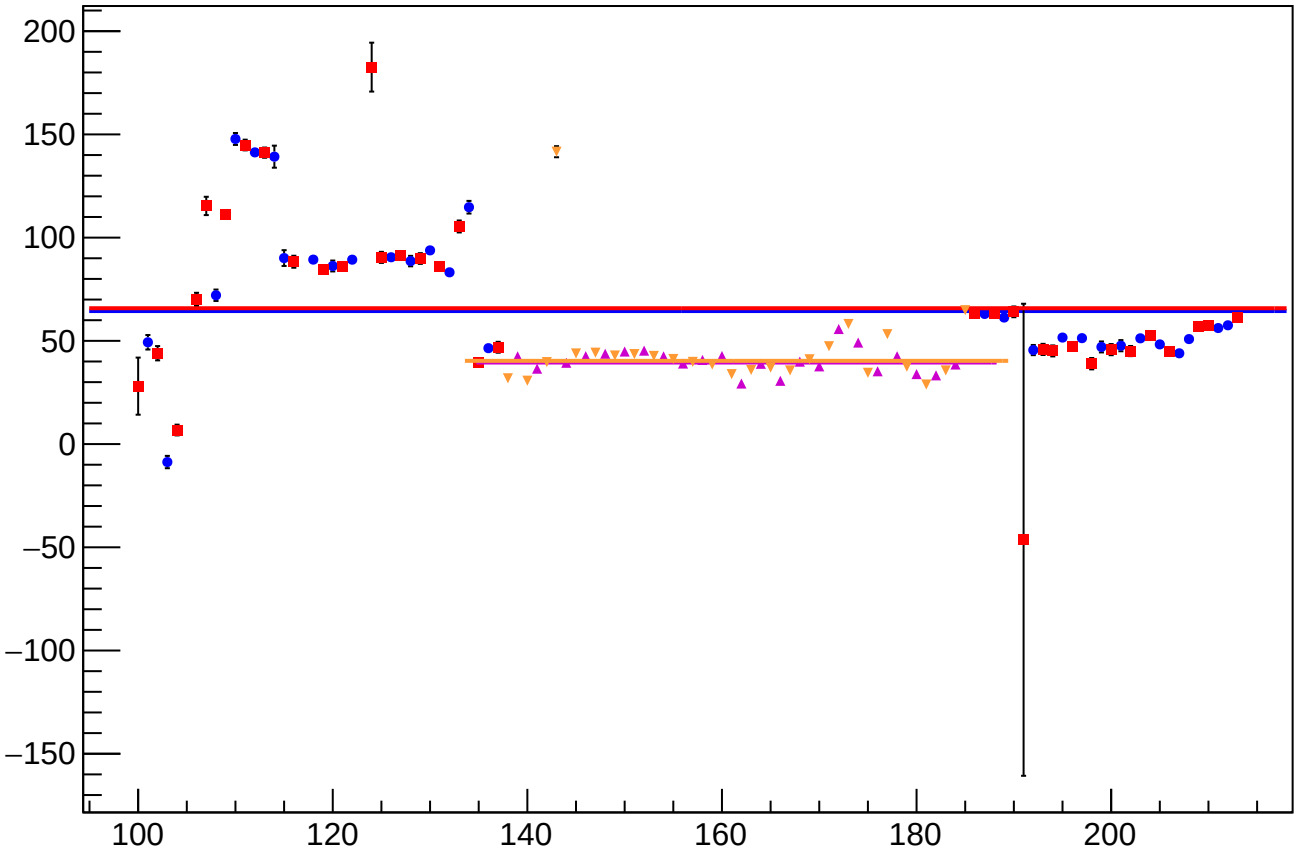
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.233+/-0.309 χ^2/NDF: 624.7/62

In: -3.047+/-0.200 χ^2/NDF:831.4/51

Out: -2.936+/-0.194 χ^2/NDF:1089.2/58

All: -2.990+/-0.139 χ^2/NDF: 1920.8/110



Right In: 64.435+/-0.387 χ^2/NDF: 4659.8/28

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

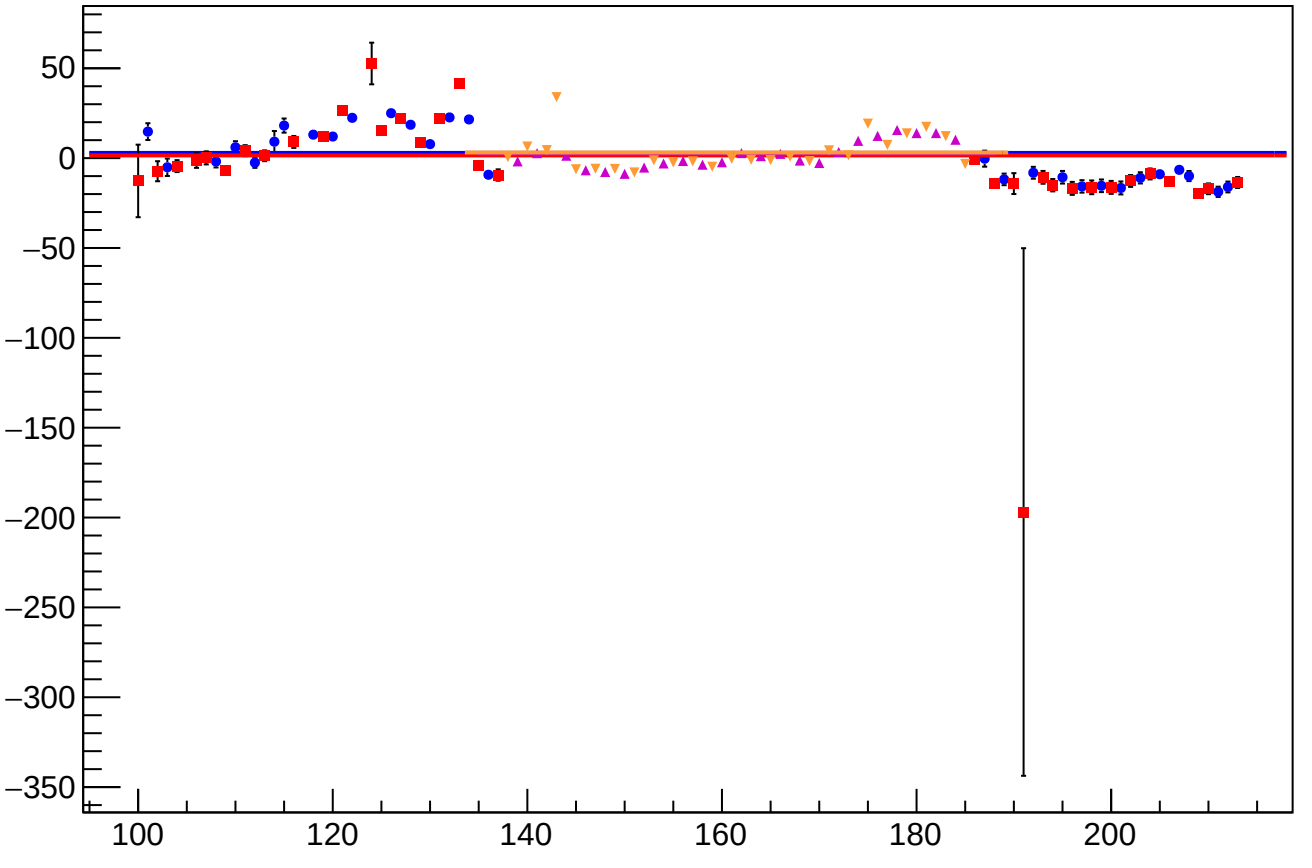
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 65.178+/-0.260 χ^2/NDF: 9500.7/62

In: 48.266+/-0.229 χ^2/NDF:7786.6/51

Out: 50.185+/-0.219 χ^2/NDF:10221.1/58

All: 49.268+/-0.158 χ^2/NDF: 18044.3/110



Right In: 2.901+/-0.509 χ^2/NDF: 804.2/28

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

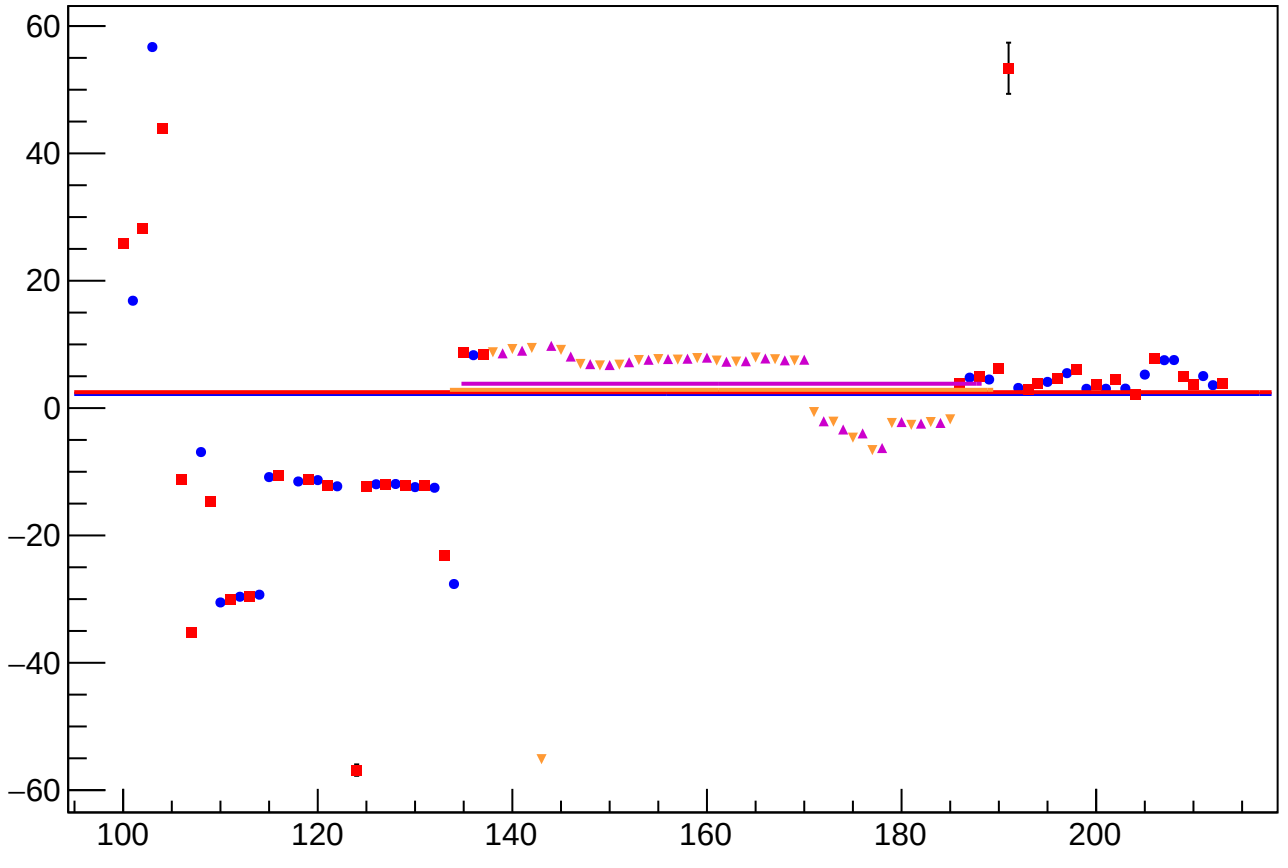
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 2.197+/-0.357 χ^2/NDF: 1834.1/62

In: 2.593+/-0.225 χ^2/NDF:1772.8/51

Out: 2.827+/-0.220 χ^2/NDF:2301.7/58

All: 2.713+/-0.158 χ^2/NDF: 4075.0/110



Right In: 2.212+/-0.024 χ^2/NDF: 382934.0/28

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

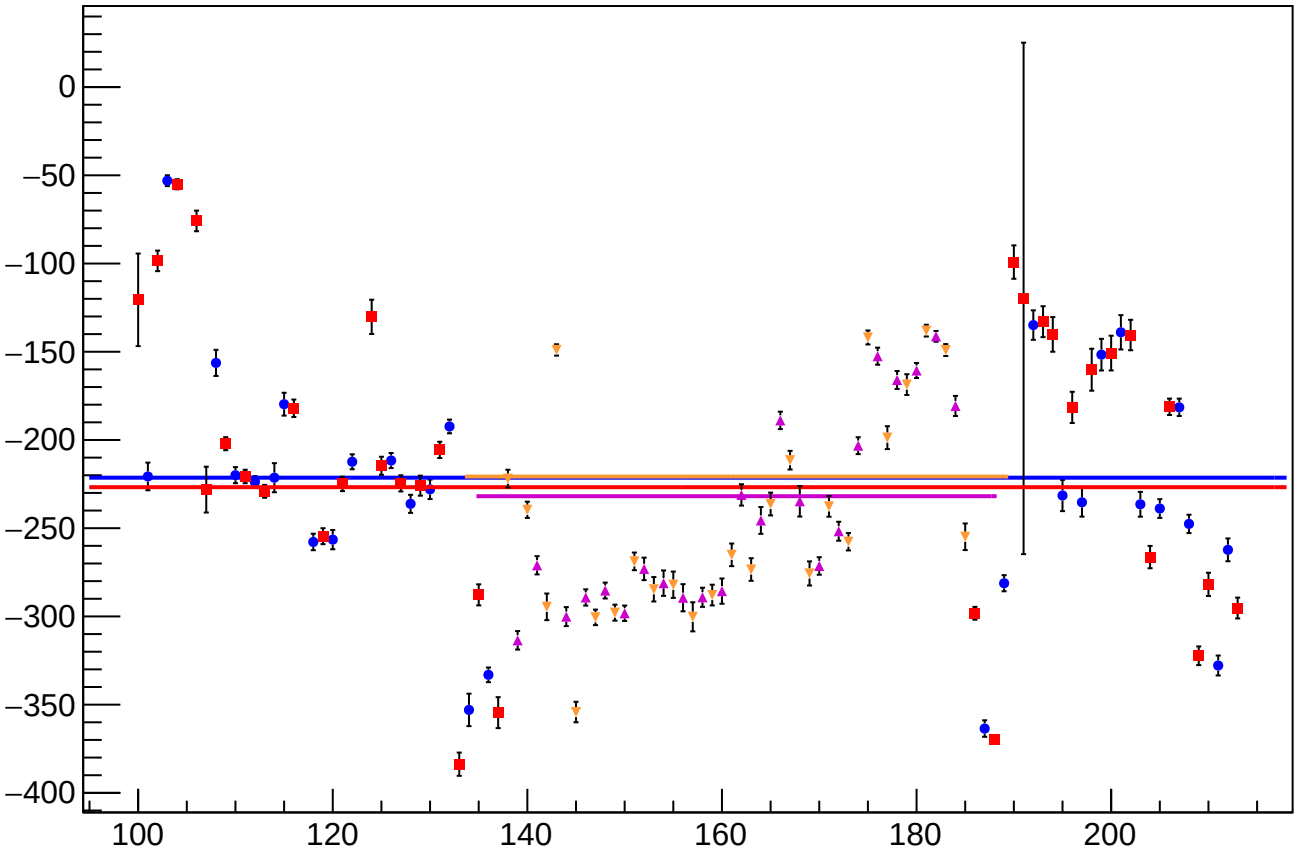
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 2.357+/-0.017 χ^2/NDF: 713762.0/62

In: 3.542+/-0.010 χ^2/NDF:619864.9/51

Out: 2.805+/-0.010 χ^2/NDF:843285.5/58

All: 3.170+/-0.007 χ^2/NDF: 1465845.1/110



Right In: -221.370+/-0.971 χ^2/NDF: 6070.2/28

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -226.750+/-0.889 χ^2/NDF: 10825.8/33

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

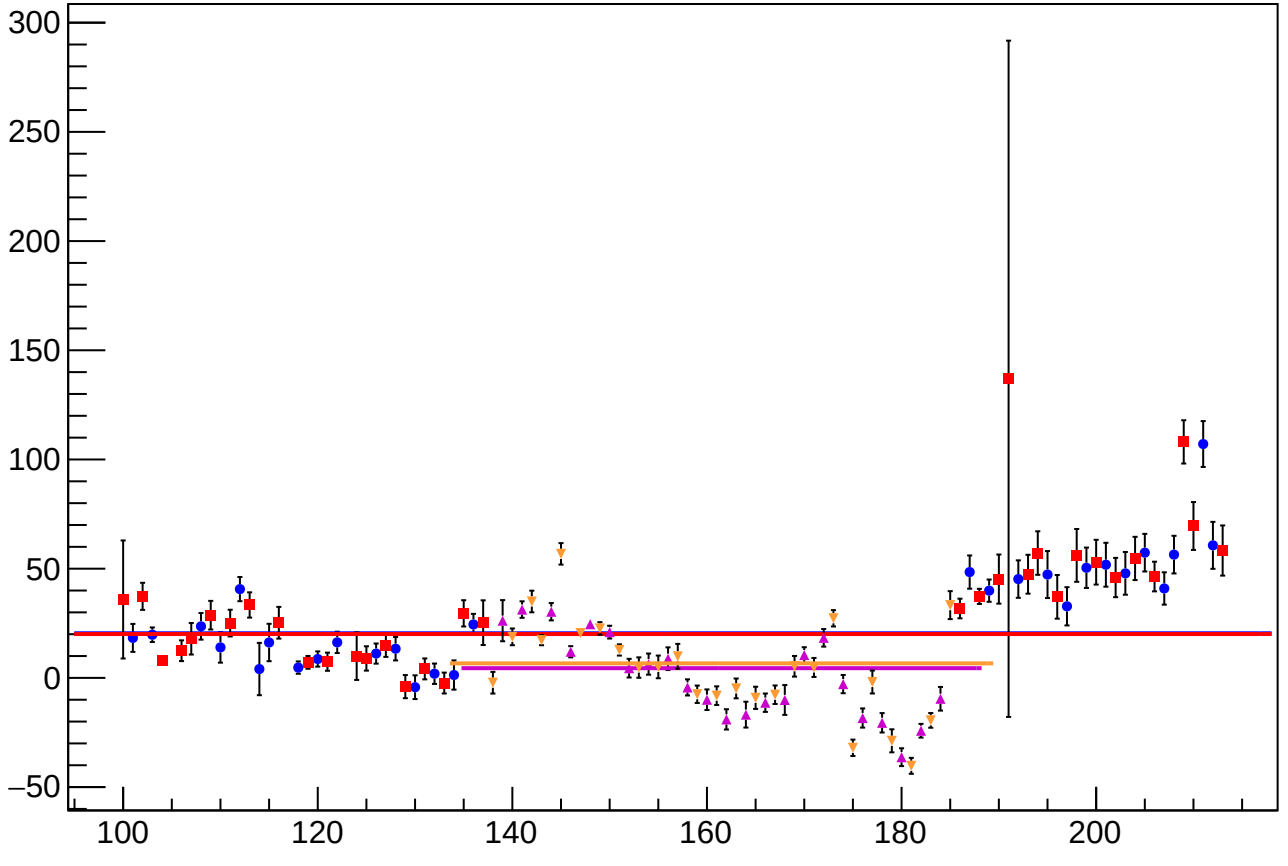
Right: -224.298+/-0.656 χ^2/NDF: 16912.7/62

In: -226.080+/-0.721 χ^2/NDF:9283.0/51

Out: -224.144+/-0.669 χ^2/NDF:14897.9/58

All: -225.040+/-0.491 χ^2/NDF: 24184.8/110

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 20.413+/-1.068 χ^2/NDF: 309.5/28

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

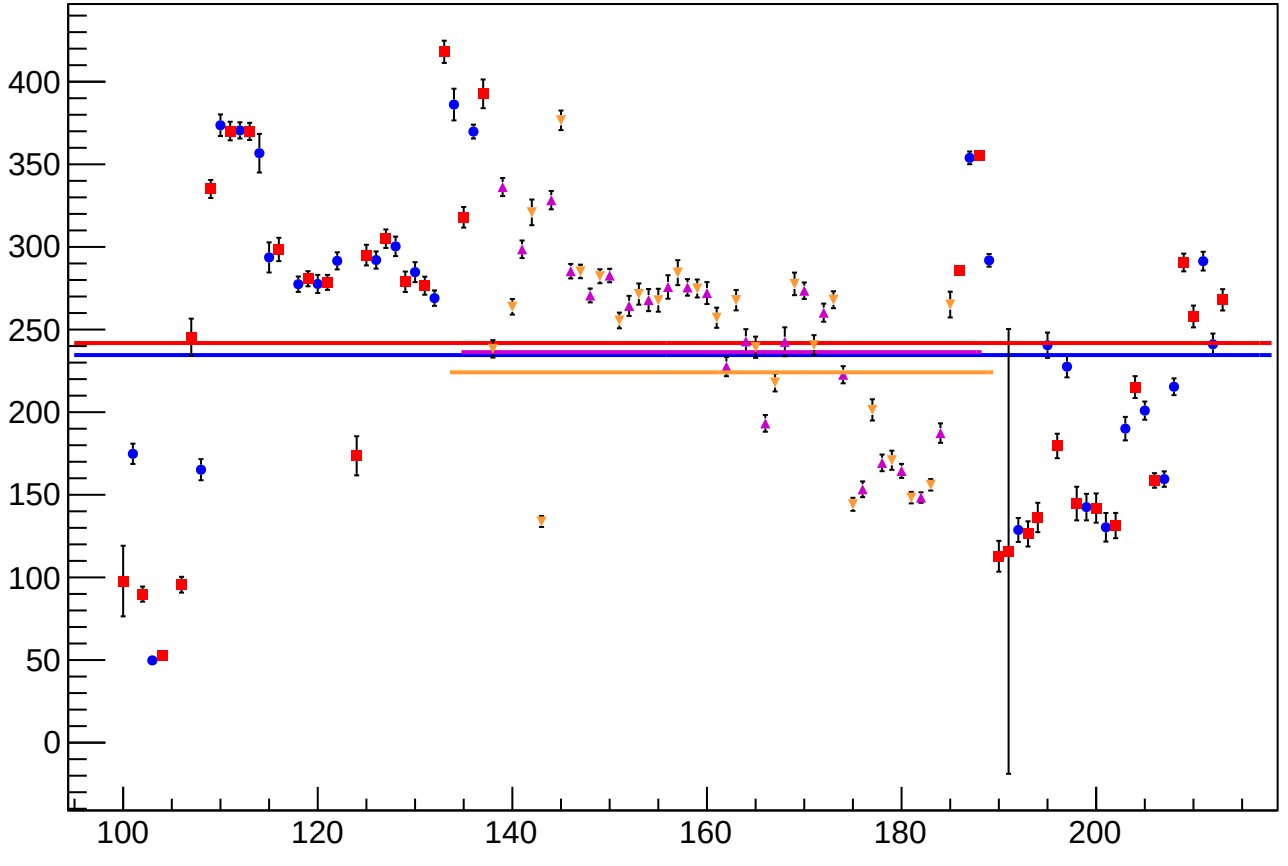
Right: 20.231+/-0.719 χ^2/NDF: 676.4/62

In: 10.252+/-0.644 χ^2/NDF:1018.9/51

Out: 11.669+/-0.595 χ^2/NDF:1221.1/58

All: 11.016+/-0.437 χ^2/NDF: 2242.6/110

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 234.566+/-0.978 χ^2/NDF: 11514.6/28

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

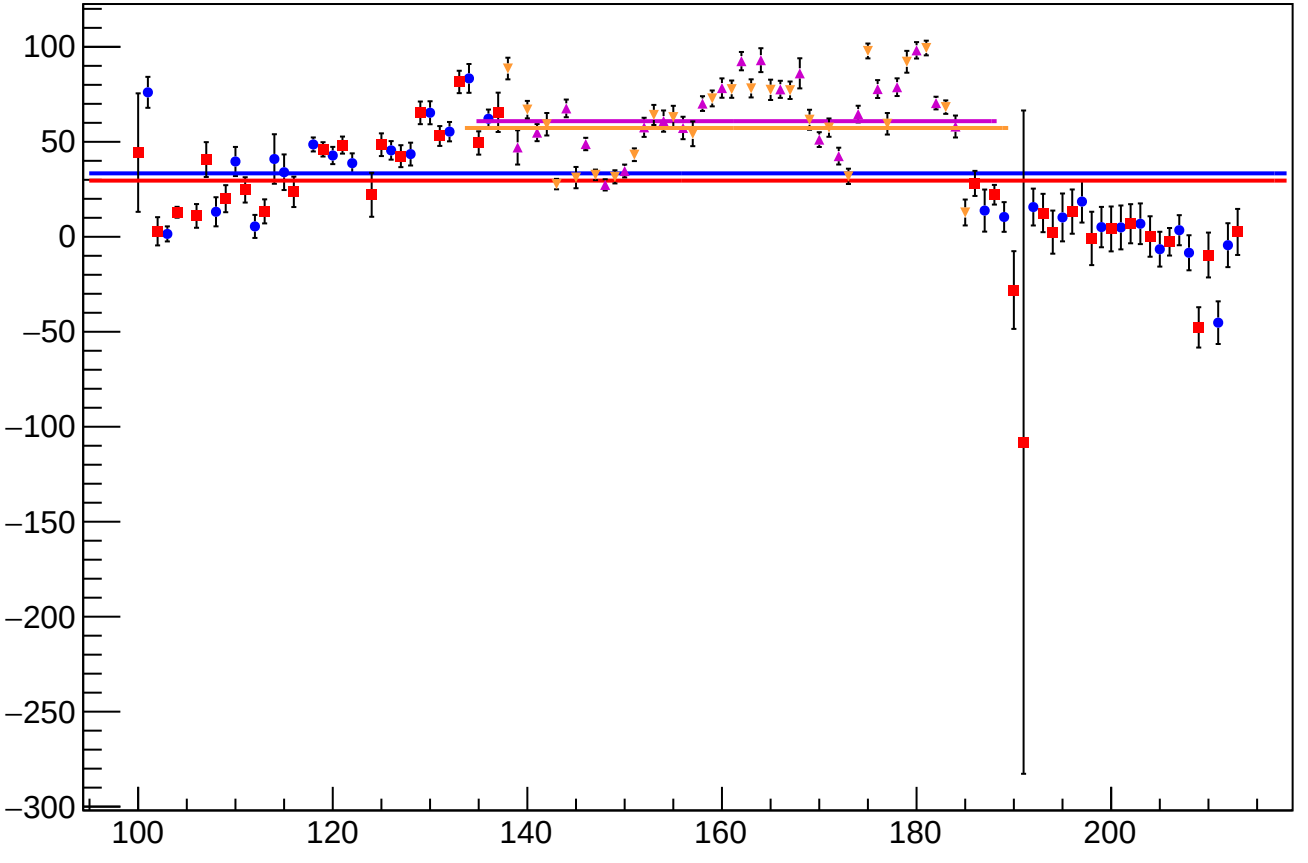
Right: 238.632+/-0.650 χ^2/NDF: 28624.0/62

In: 235.377+/-0.721 χ^2/NDF:14509.0/51

Out: 234.334+/-0.660 χ^2/NDF:21221.3/58

All: 234.810+/-0.487 χ^2/NDF: 35731.4/110

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 33.397+/-1.248 χ^2/NDF: 430.7/28

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

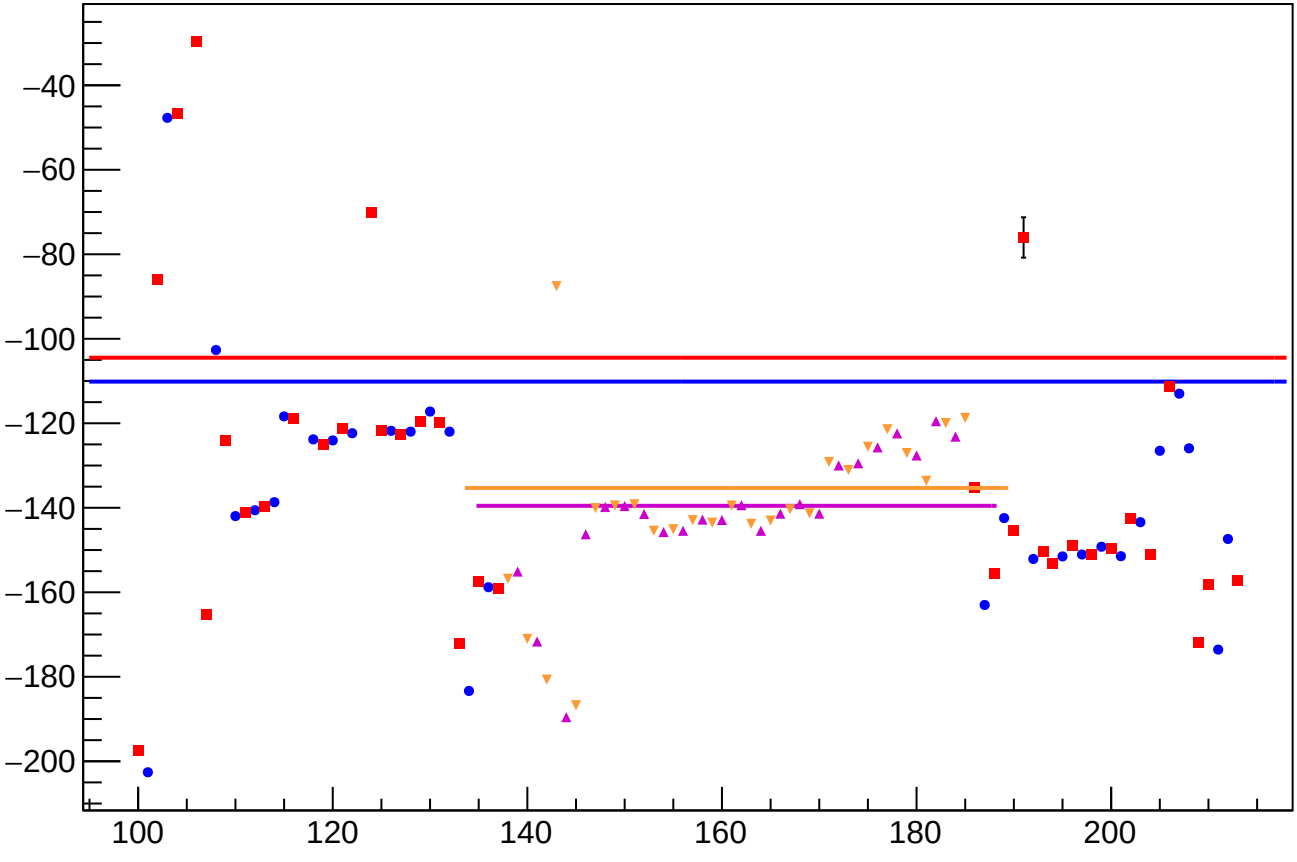
Right: 31.356+/-0.852 χ^2/NDF: 842.1/62

In: 51.169+/-0.742 χ^2/NDF:1198.8/51

Out: 47.399+/-0.696 χ^2/NDF:1538.0/58

All: 49.164+/-0.508 χ^2/NDF: 2750.6/110

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -110.133+/-0.058 χ^2/NDF: 684873.6/28

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

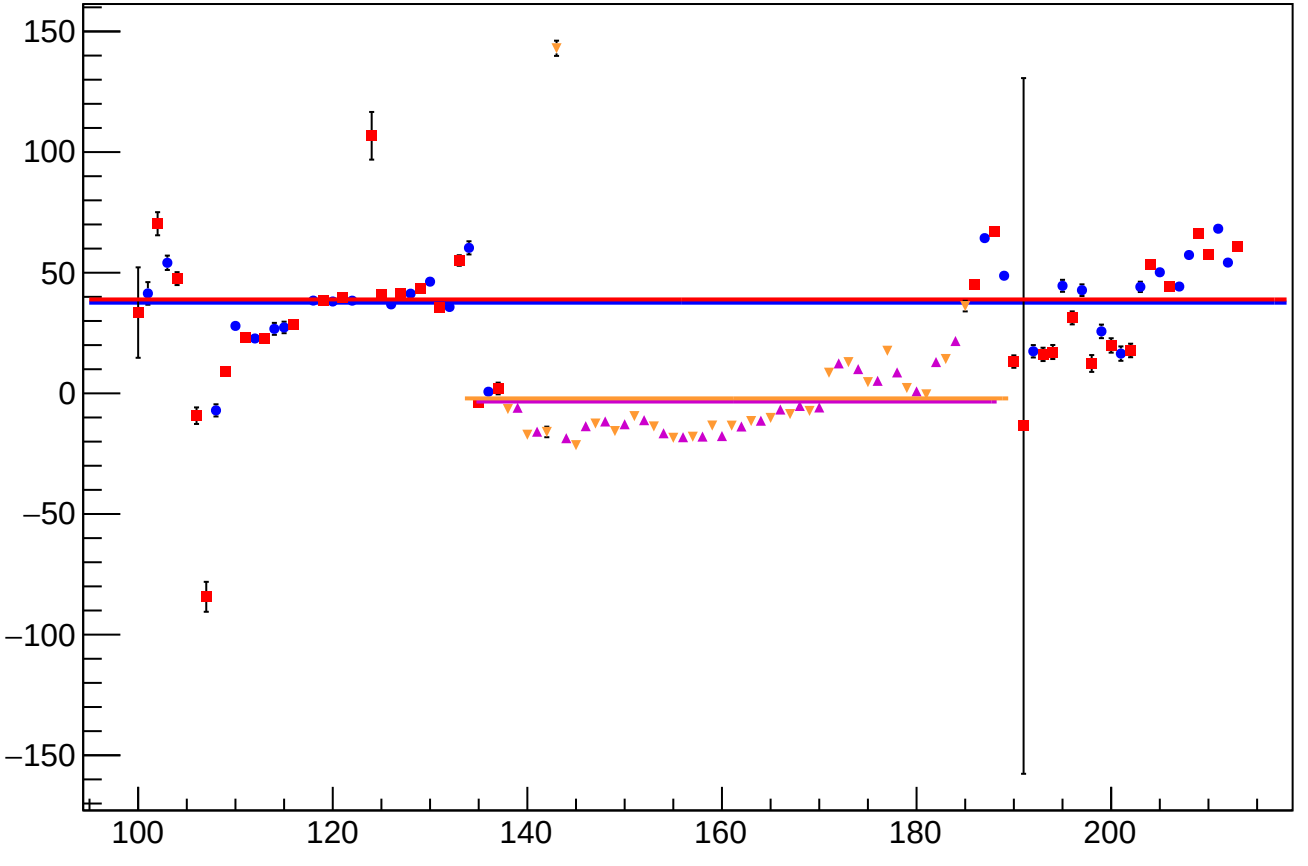
Right: -107.197+/-0.040 χ^2/NDF: 1446557.9/62

In: -129.308+/-0.034 χ^2/NDF:968890.2/51

Out: -124.571+/-0.033 χ^2/NDF:1220563.4/58

All: -126.851+/-0.024 χ^2/NDF: 2199515.4/11

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 37.579+/-0.329 χ^2/NDF: 2972.0/28

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

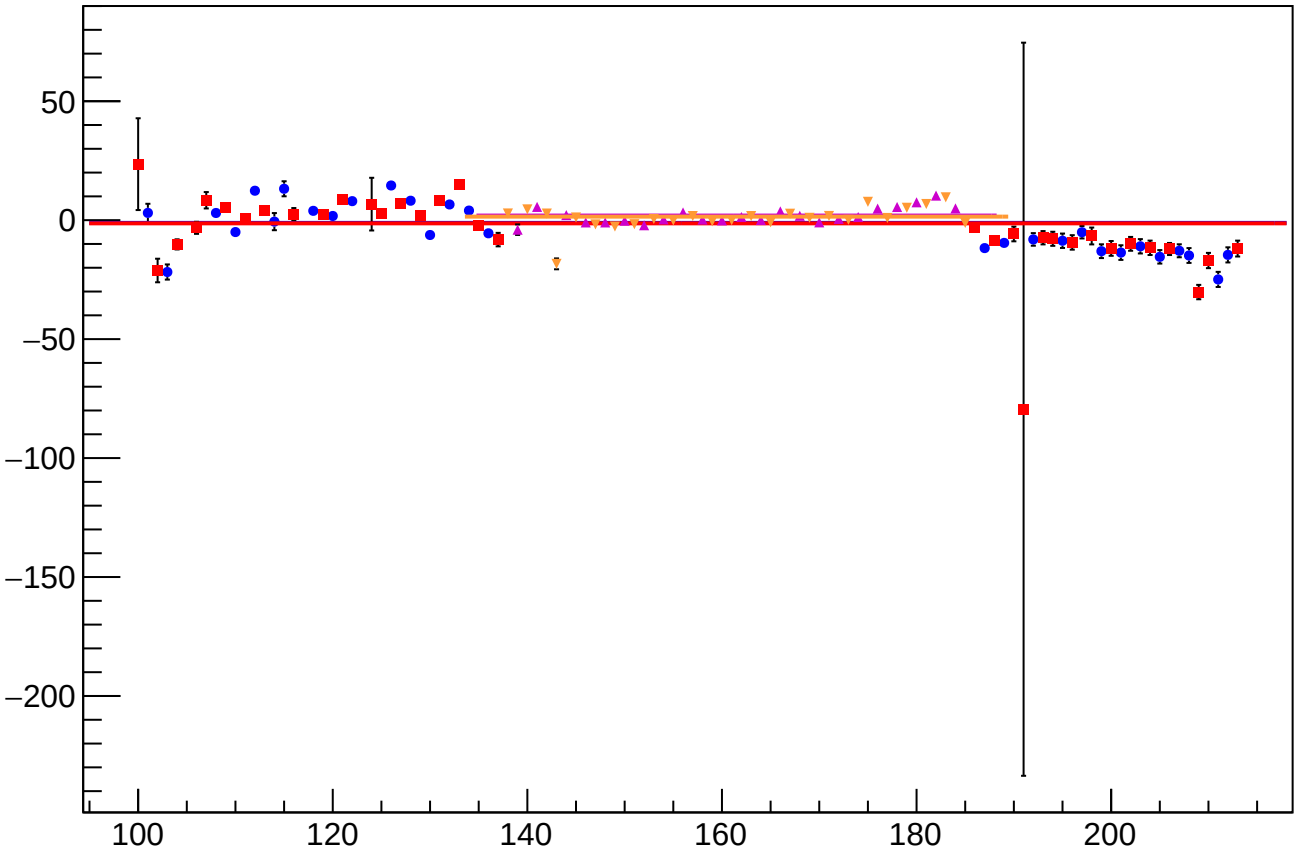
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 38.327+/-0.219 χ^2/NDF: 8292.5/62

In: 13.168+/-0.209 χ^2/NDF:13942.8/51

Out: 16.436+/-0.198 χ^2/NDF:20190.0/58

All: 14.898+/-0.144 χ^2/NDF: 34261.8/110



Right In: -1.147+/-0.376 χ^2/NDF: 586.8/28

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

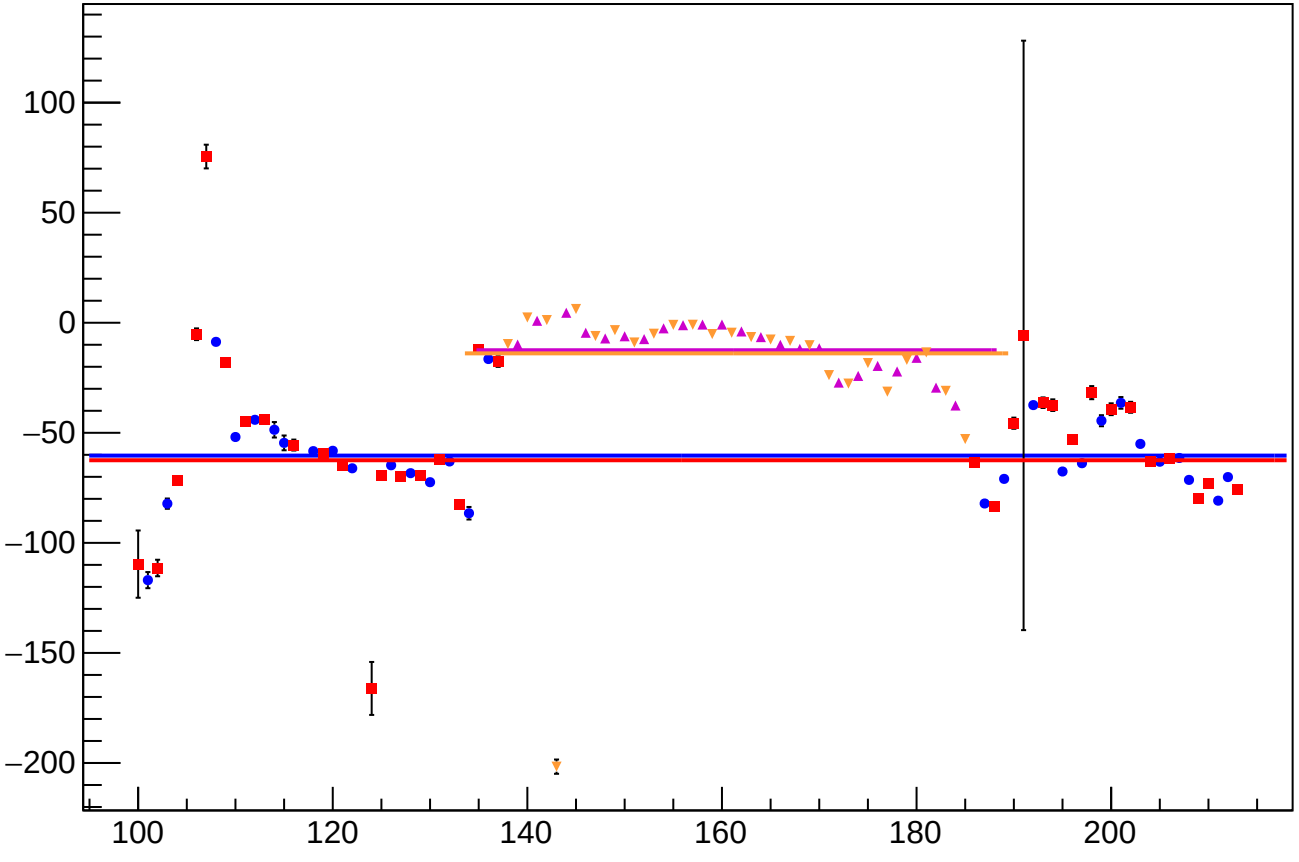
Right: -1.249+/-0.257 χ^2/NDF: 1125.5/62

In: 1.199+/-0.184 χ^2/NDF:878.5/51

Out: 0.772+/-0.177 χ^2/NDF:915.4/58

All: 0.978+/-0.127 χ^2/NDF: 1796.7/110

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -60.357+/-0.340 χ^2/NDF: 3565.5/28

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

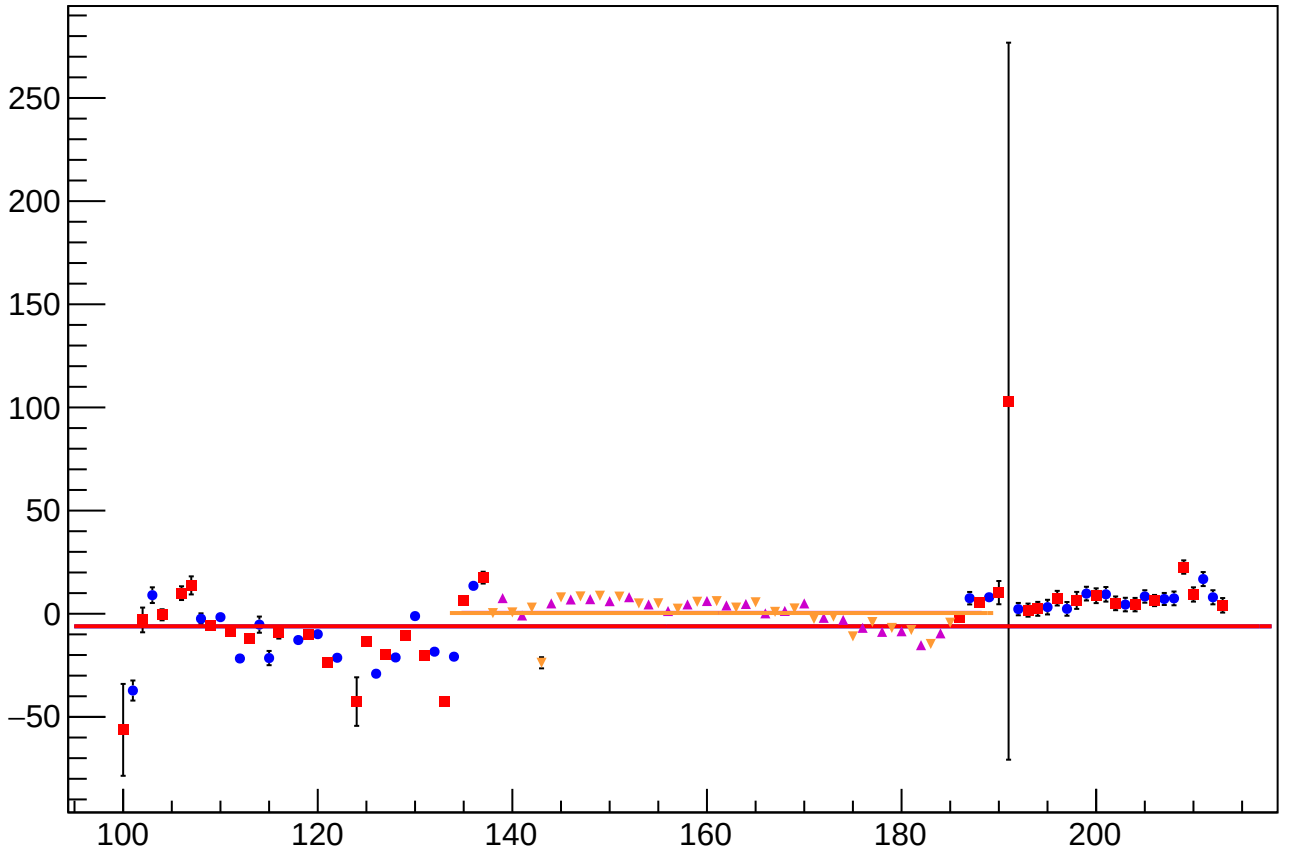
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

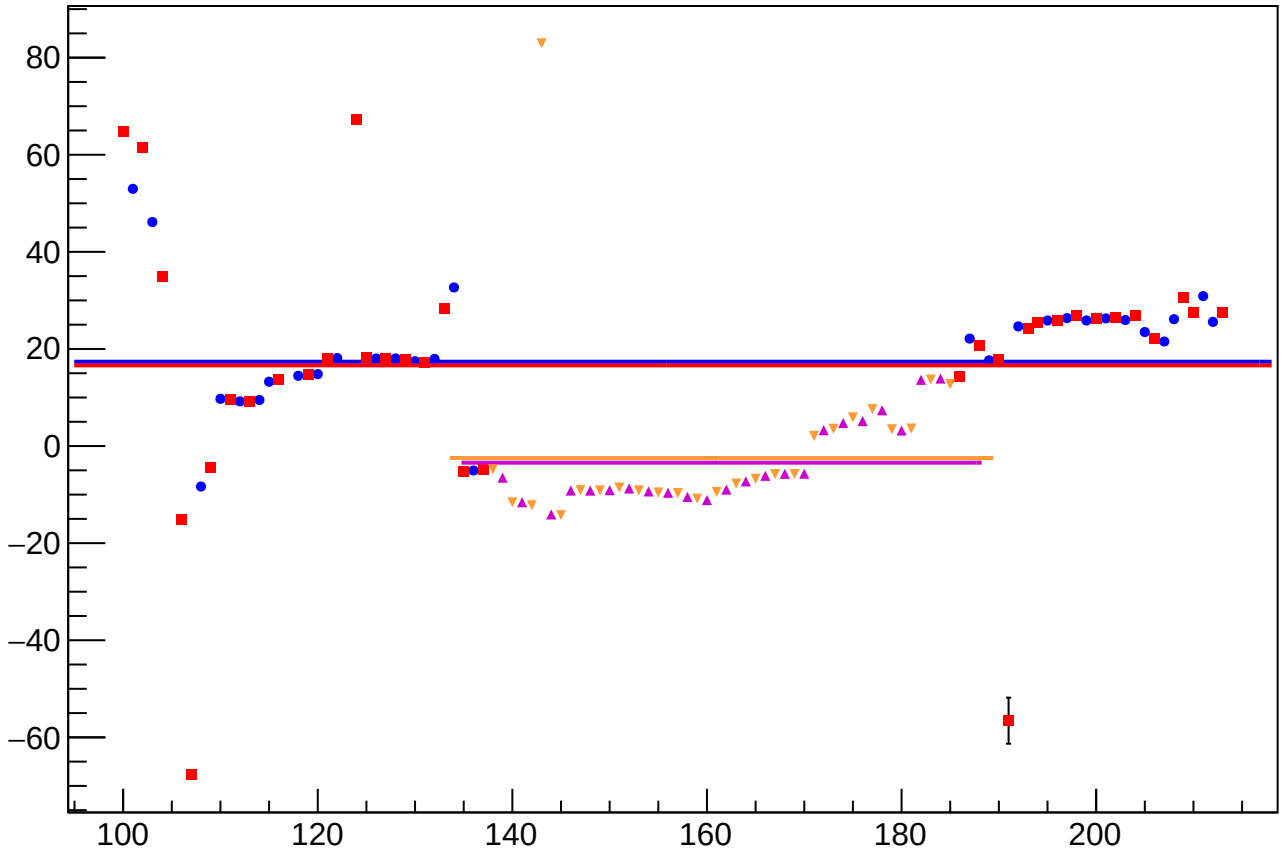
Right: -61.576+/-0.221 χ^2/NDF: 9262.4/62

In: -30.905+/-0.211 χ^2/NDF:17201.2/51

Out: -35.926+/-0.196 χ^2/NDF:26061.6/58

All: -33.602+/-0.143 χ^2/NDF: 43567.5/110


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: -6.132+/-0.437 χ²/NDF: 1001.4/28
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: -6.094+/-0.303 χ²/NDF: 2051.5/62
In: -1.057+/-0.208 χ²/NDF:1958.1/51
Out: -1.140+/-0.203 χ²/NDF:2149.7/58
All: -1.100+/-0.145 χ²/NDF: 4107.9/110



Right In: 17.371+/-0.022 χ^2/NDF: 448130.4/28

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

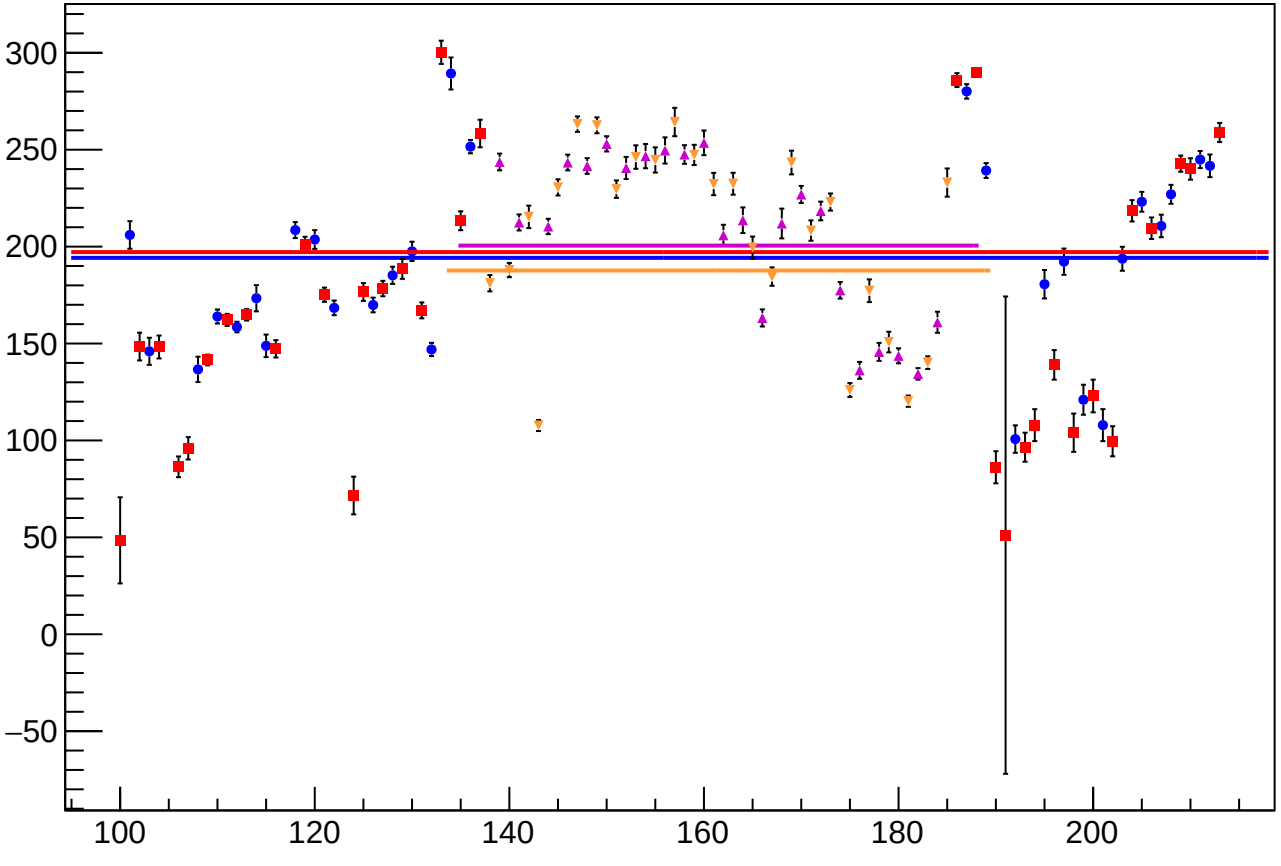
Right: 16.990+/-0.016 χ^2/NDF: 1024168.2/62

In: 0.388+/-0.009 χ^2/NDF:1720861.4/51

Out: 1.055+/-0.009 χ^2/NDF:2161164.2/58

All: 0.724+/-0.007 χ^2/NDF: 3884542.3/110

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.215+/-0.881 χ^2/NDF: 2469.3/28

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

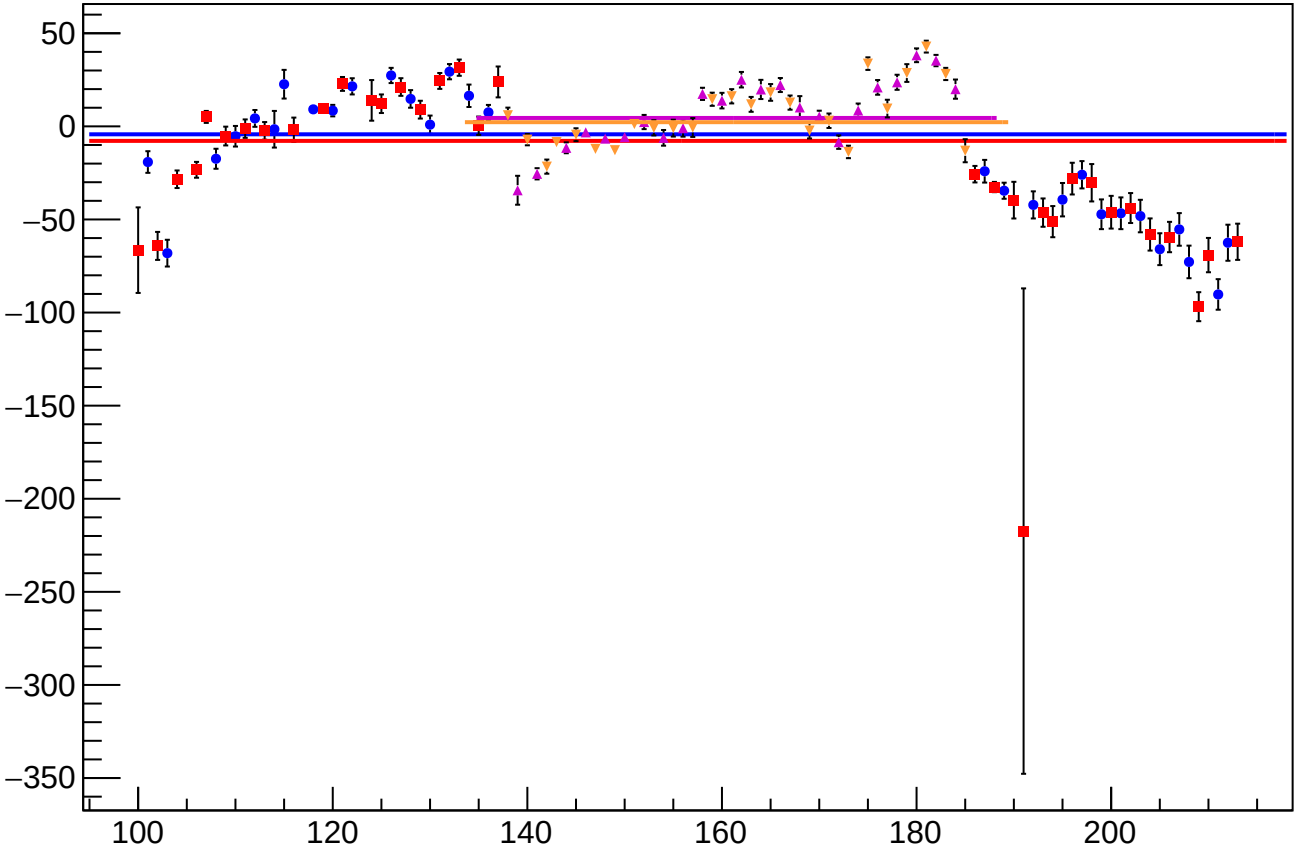
Right: 195.855+/-0.589 χ^2/NDF: 8846.9/62

In: 197.114+/-0.648 χ^2/NDF:4604.3/51

Out: 193.022+/-0.594 χ^2/NDF:9962.6/58

All: 194.891+/-0.438 χ^2/NDF: 14588.5/110

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.269+/-0.978 χ^2/NDF: 836.7/28

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

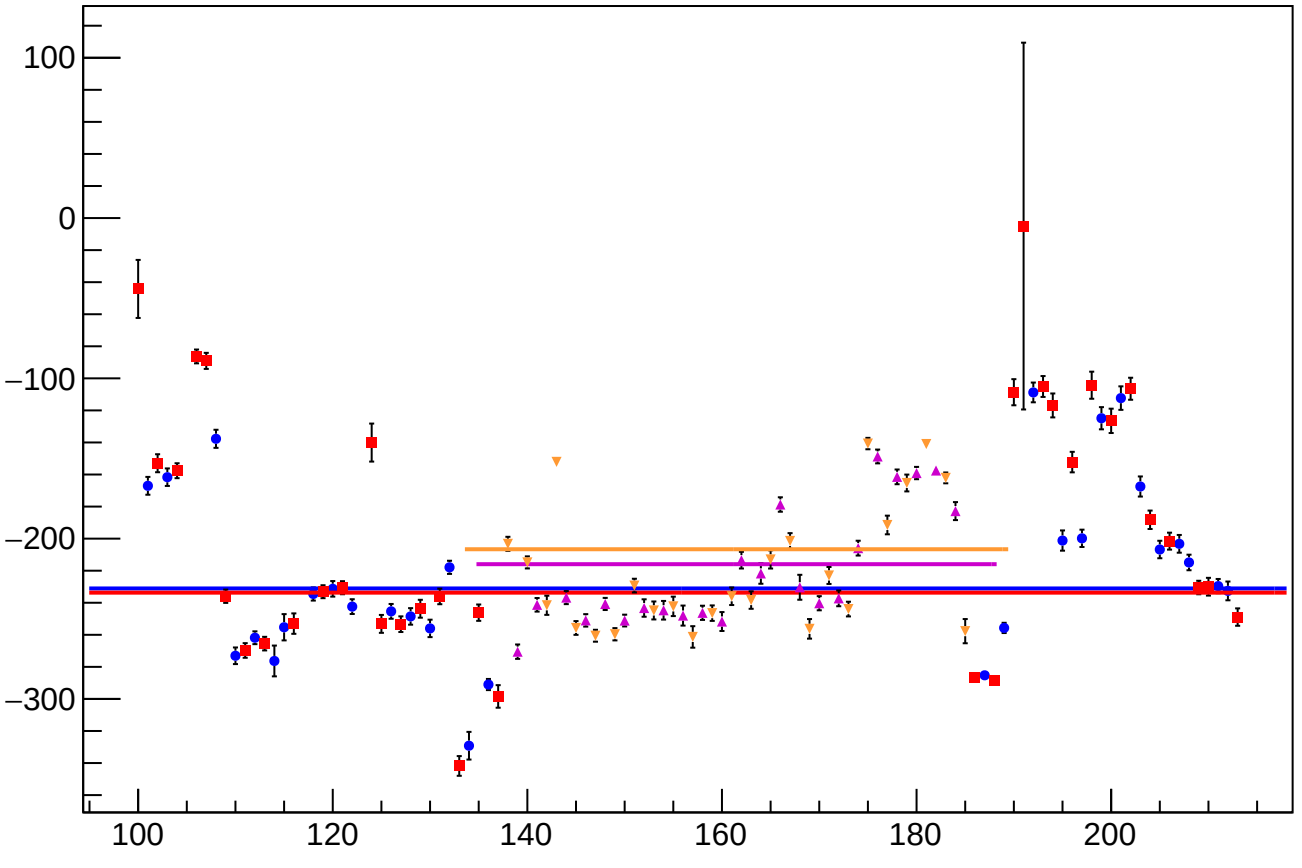
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -6.178+/-0.663 χ^2/NDF: 1790.0/62

In: 1.459+/-0.577 χ^2/NDF:1436.4/51

Out: -1.291+/-0.535 χ^2/NDF:1627.5/58

All: -0.019+/-0.392 χ^2/NDF: 3076.1/110



Right In: -231.084+/-0.918 χ^2/NDF: 2683.2/28

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

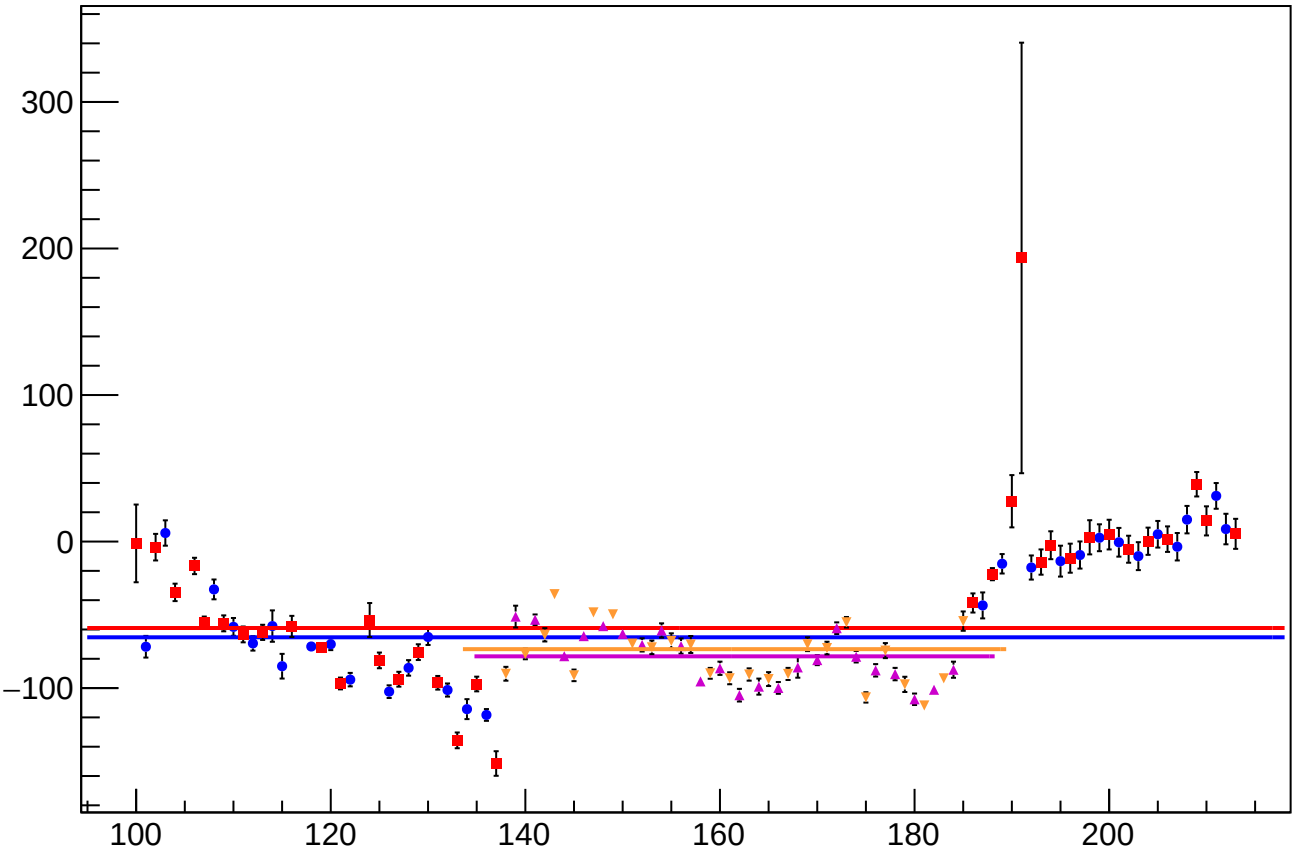
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.566+/-0.603 χ^2/NDF: 9356.1/62

In: -223.741+/-0.659 χ^2/NDF:4527.2/51

Out: -221.669+/-0.596 χ^2/NDF:9645.1/58

All: -222.602+/-0.442 χ^2/NDF: 14177.8/110



Right In: -65.337+/-1.143 χ^2/NDF: 1161.6/28

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

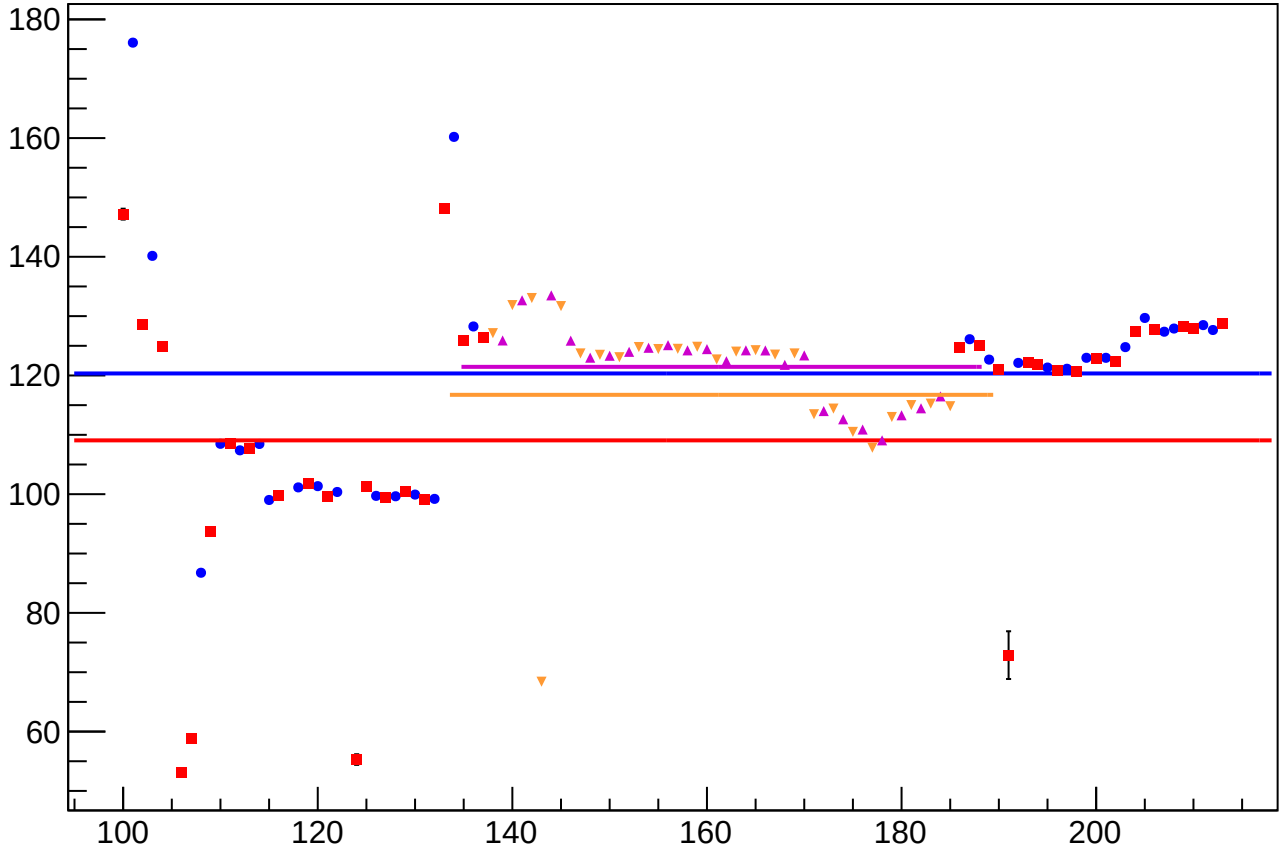
Right: -61.966+/-0.783 χ^2/NDF: 2540.8/62

In: -73.935+/-0.665 χ^2/NDF:1690.3/51

Out: -68.548+/-0.624 χ^2/NDF:2319.1/58

All: -71.071+/-0.455 χ^2/NDF: 4044.3/110

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.341+/-0.060 χ^2/NDF: 99048.0/28

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

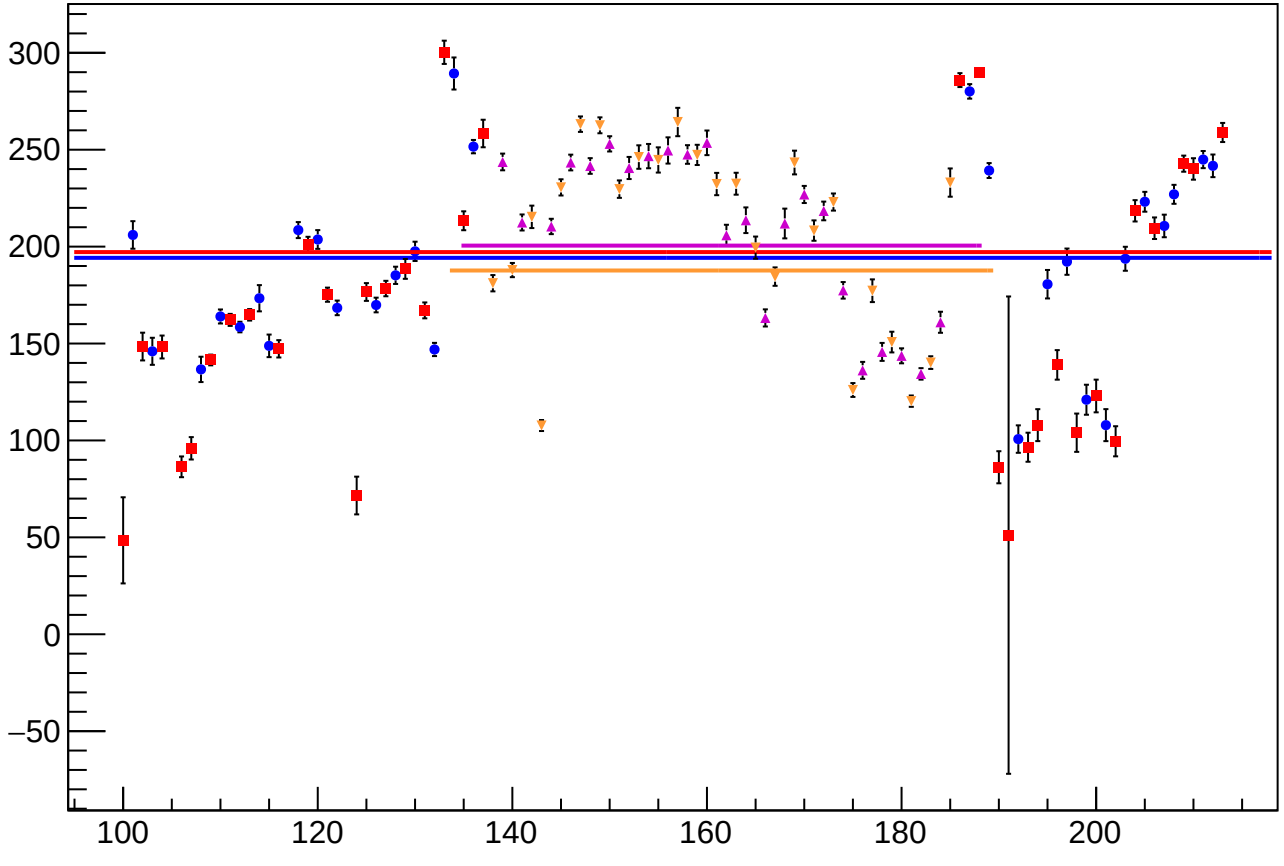
Right: 114.199+/-0.041 χ^2/NDF: 331943.1/62

In: 121.145+/-0.032 χ^2/NDF:128092.9/51

Out: 114.449+/-0.030 χ^2/NDF:431045.2/58

All: 117.616+/-0.022 χ^2/NDF: 582711.8/110

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.215+/-0.881 χ^2/NDF: 2469.3/28

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

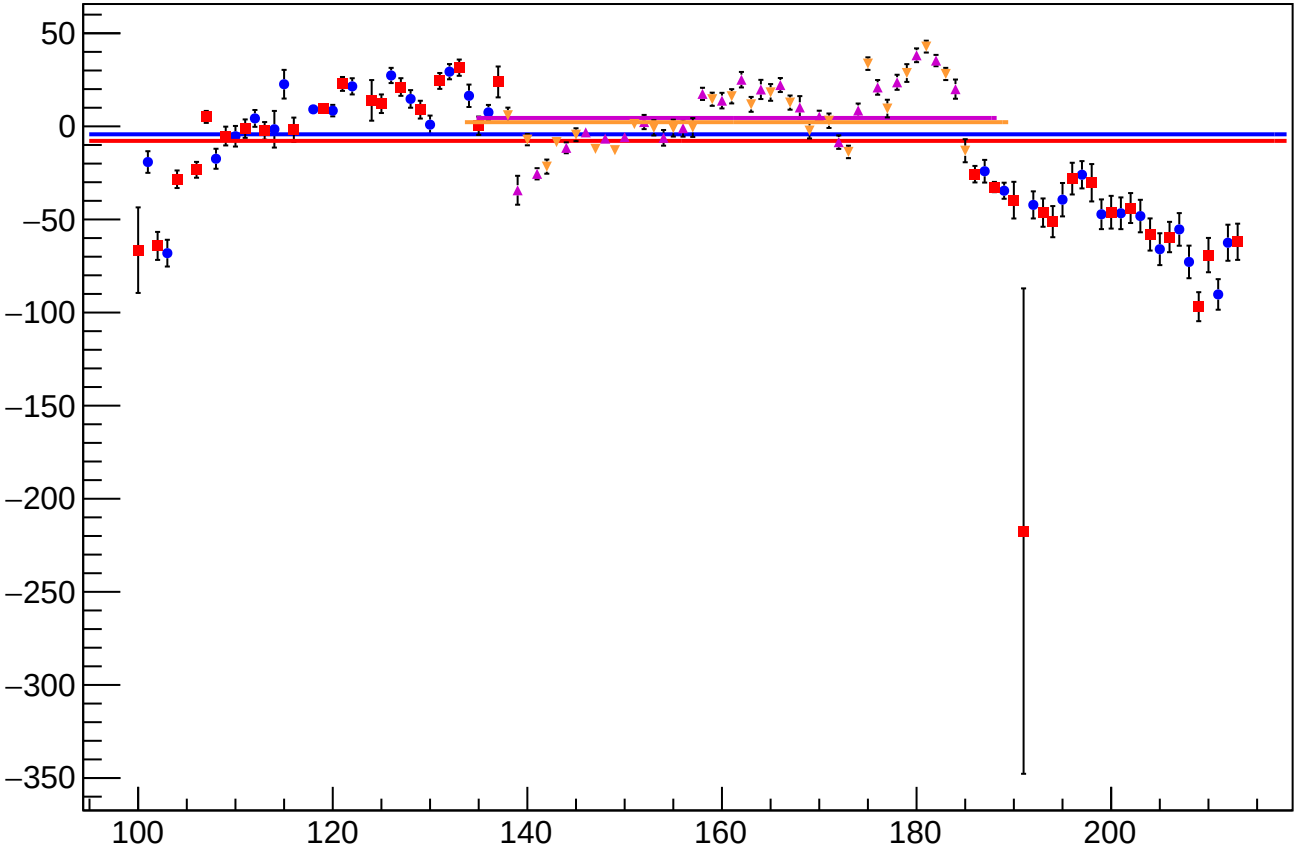
Right: 195.855+/-0.589 χ^2/NDF: 8846.9/62

In: 197.114+/-0.648 χ^2/NDF:4604.3/51

Out: 193.022+/-0.594 χ^2/NDF:9962.6/58

All: 194.891+/-0.438 χ^2/NDF: 14588.5/110

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.269+/-0.978 χ^2/NDF: 836.7/28

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

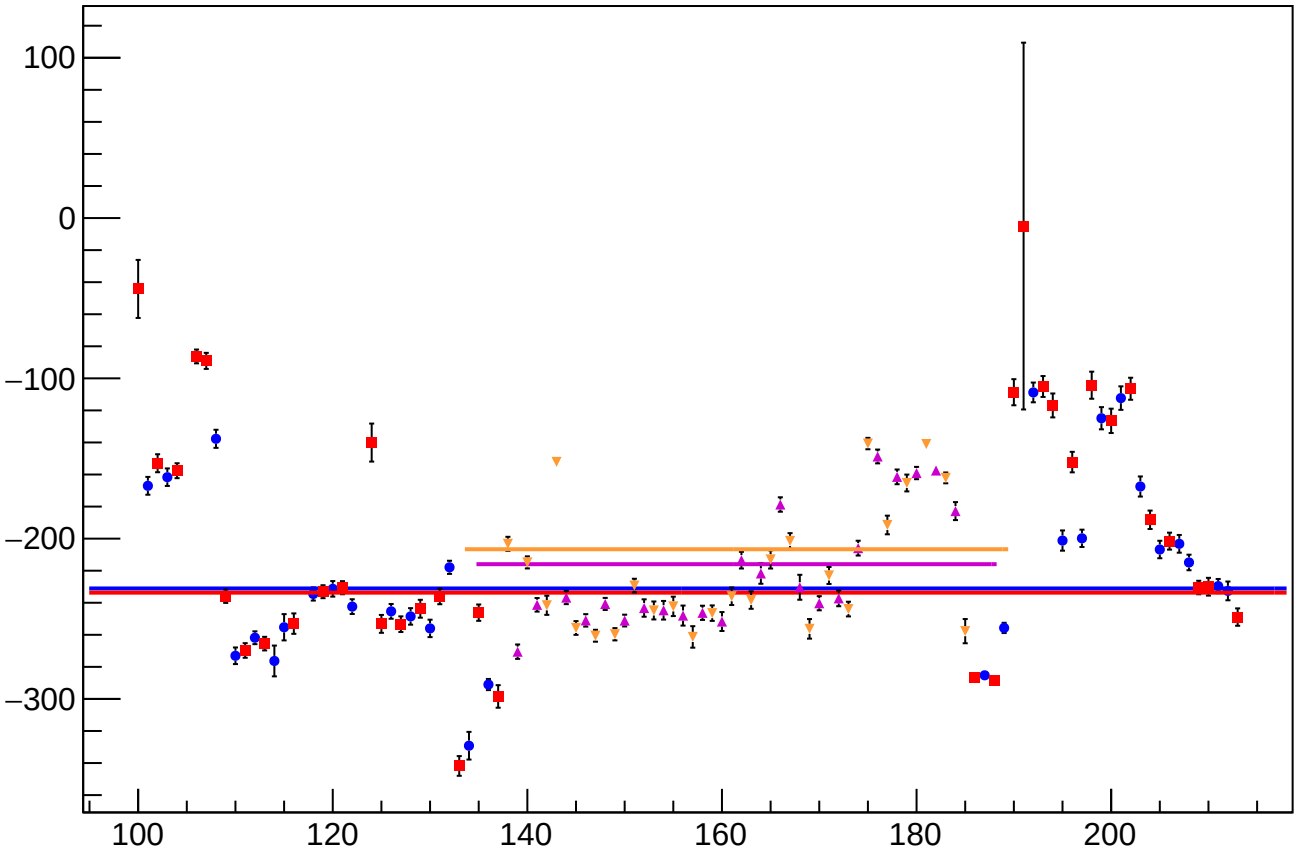
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -6.178+/-0.663 χ^2/NDF: 1790.0/62

In: 1.459+/-0.577 χ^2/NDF:1436.4/51

Out: -1.291+/-0.535 χ^2/NDF:1627.5/58

All: -0.019+/-0.392 χ^2/NDF: 3076.1/110



Right In: -231.084+/-0.918 χ^2/NDF: 2683.2/28

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

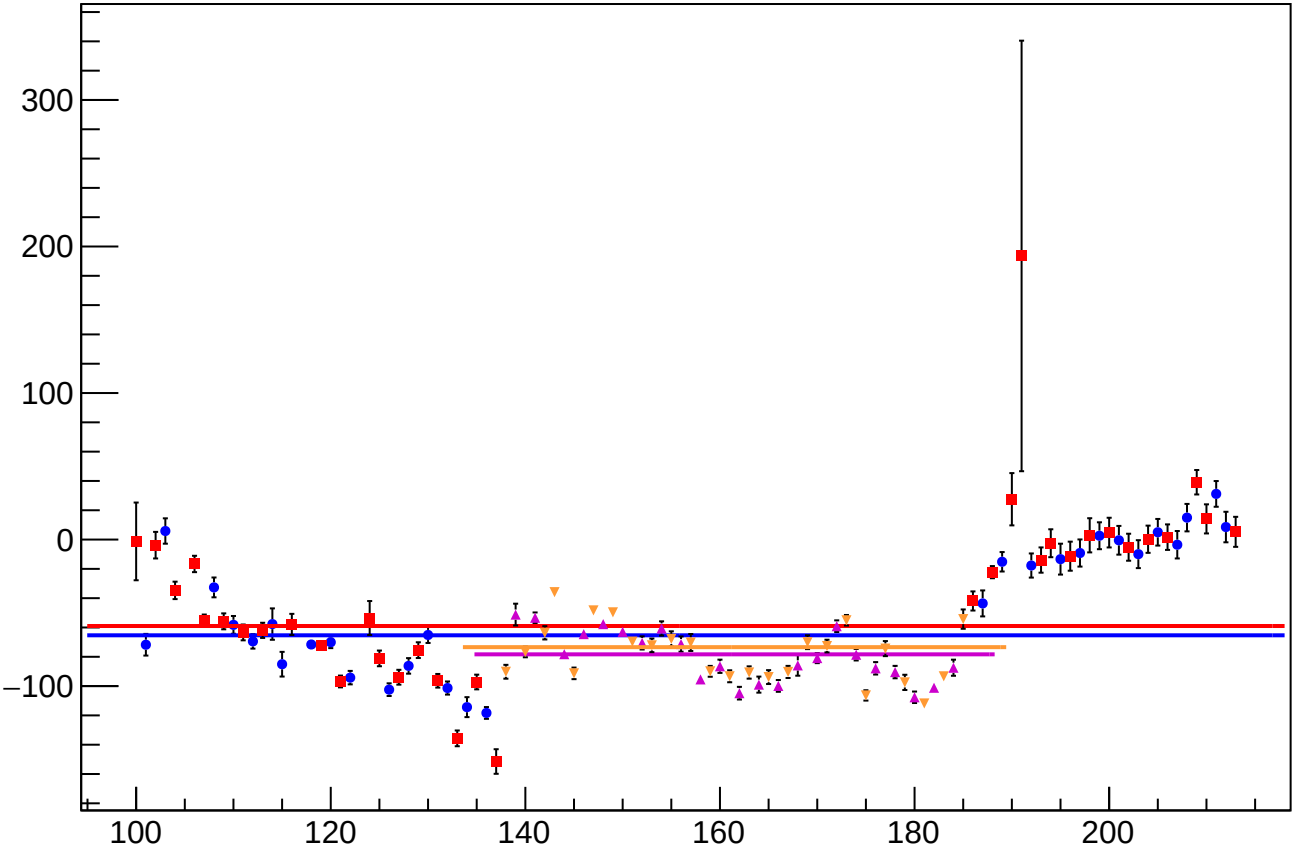
Right: -232.566+/-0.603 χ^2/NDF: 9356.1/62

In: -223.741+/-0.659 χ^2/NDF:4527.2/51

Out: -221.669+/-0.596 χ^2/NDF:9645.1/58

All: -222.602+/-0.442 χ^2/NDF: 14177.8/110

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -65.337+/-1.143 χ^2/NDF: 1161.6/28

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

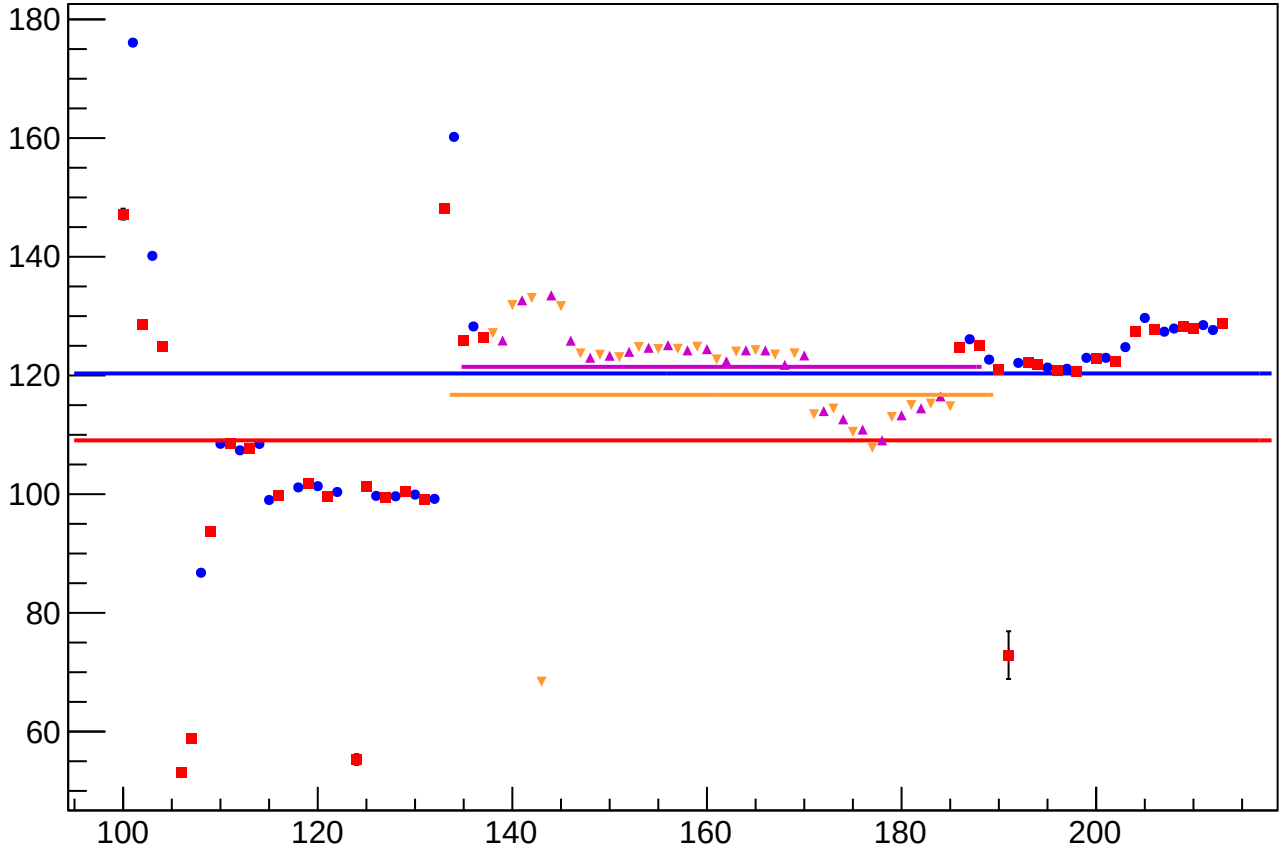
Right: -61.966+/-0.783 χ^2/NDF: 2540.8/62

In: -73.935+/-0.665 χ^2/NDF:1690.3/51

Out: -68.548+/-0.624 χ^2/NDF:2319.1/58

All: -71.071+/-0.455 χ^2/NDF: 4044.3/110

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.341+/-0.060 χ^2/NDF: 99048.0/28

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

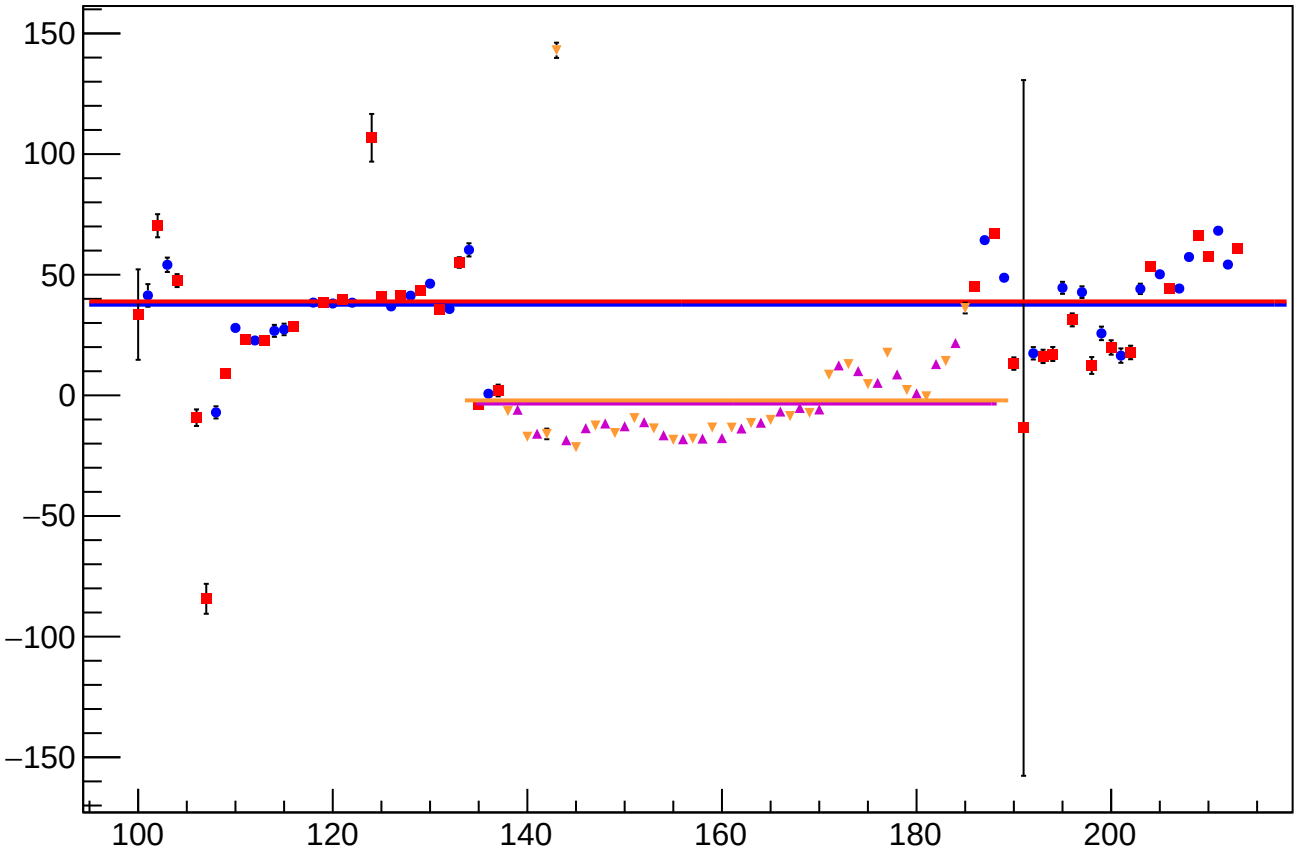
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.199+/-0.041 χ^2/NDF: 331943.1/62

In: 121.145+/-0.032 χ^2/NDF:128092.9/51

Out: 114.449+/-0.030 χ^2/NDF:431045.2/58

All: 117.616+/-0.022 χ^2/NDF: 582711.8/110



Right In: 37.579+/-0.329 χ^2/NDF: 2972.0/28

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

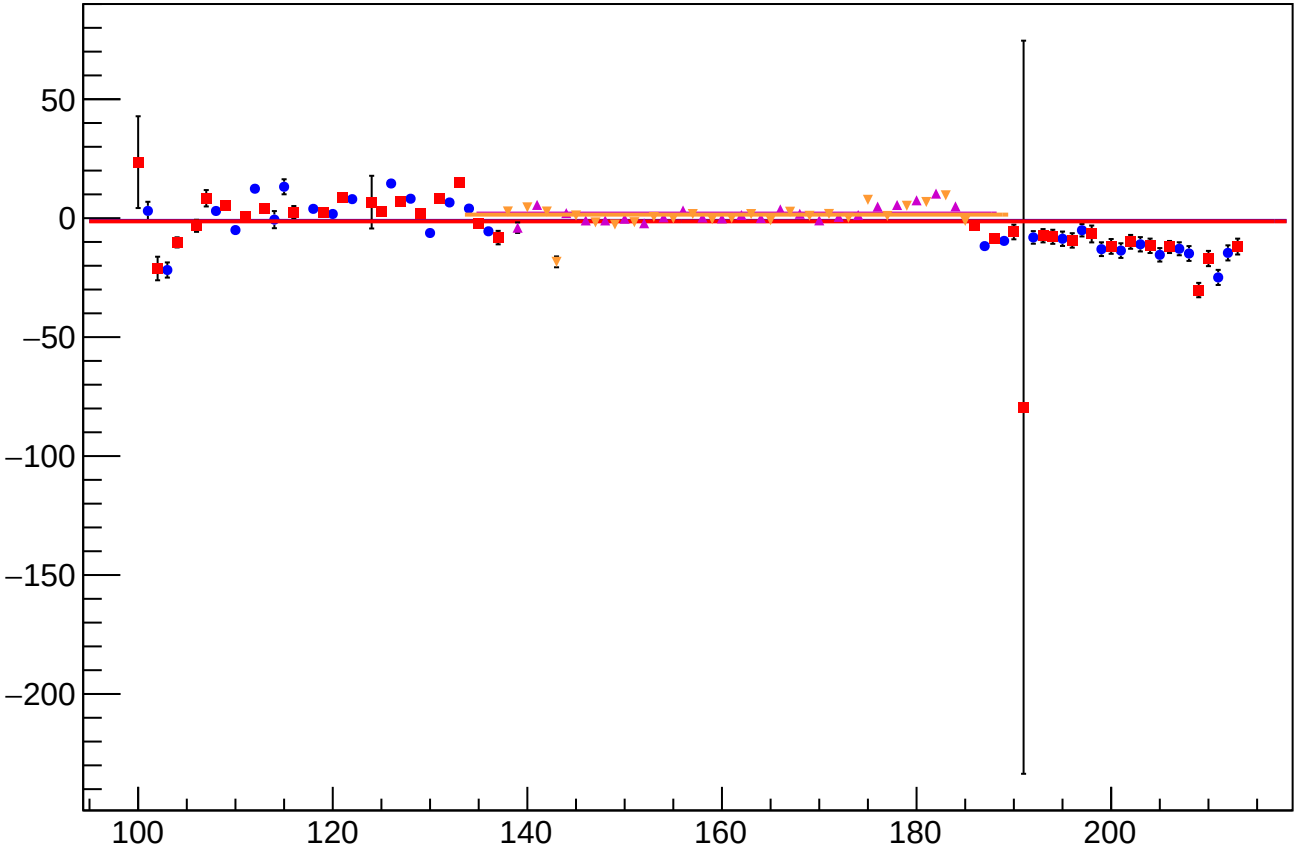
Right: 38.327+/-0.219 χ^2/NDF: 8292.5/62

In: 13.168+/-0.209 χ^2/NDF:13942.8/51

Out: 16.436+/-0.198 χ^2/NDF:20190.0/58

All: 14.898+/-0.144 χ^2/NDF: 34261.8/110

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.147+/-0.376 χ^2/NDF: 586.8/28

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

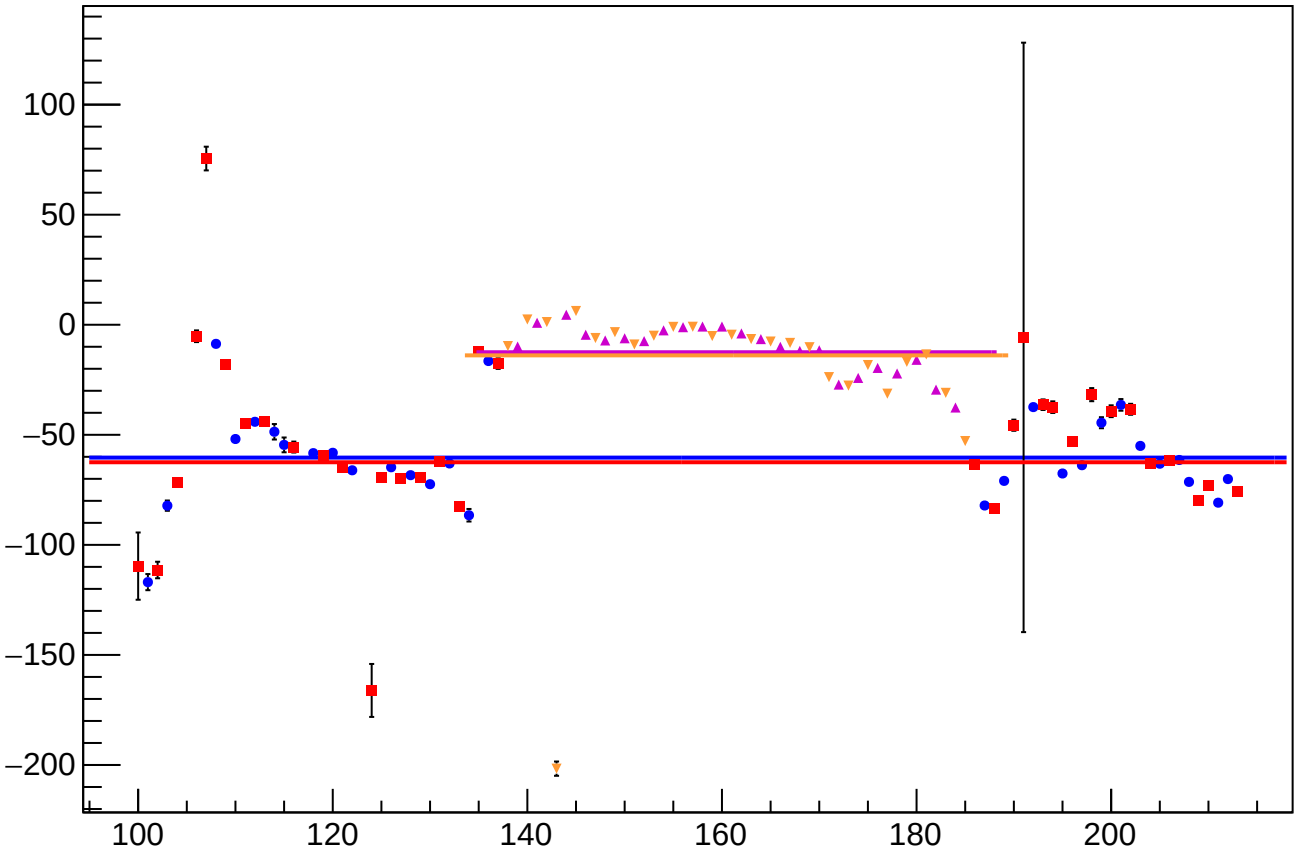
Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

Right: -1.249+/-0.257 χ^2/NDF: 1125.5/62

In: 1.199+/-0.184 χ^2/NDF:878.5/51

Out: 0.772+/-0.177 χ^2/NDF:915.4/58

All: 0.978+/-0.127 χ^2/NDF: 1796.7/110



Right In: -60.357+/-0.340 χ^2/NDF: 3565.5/28

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

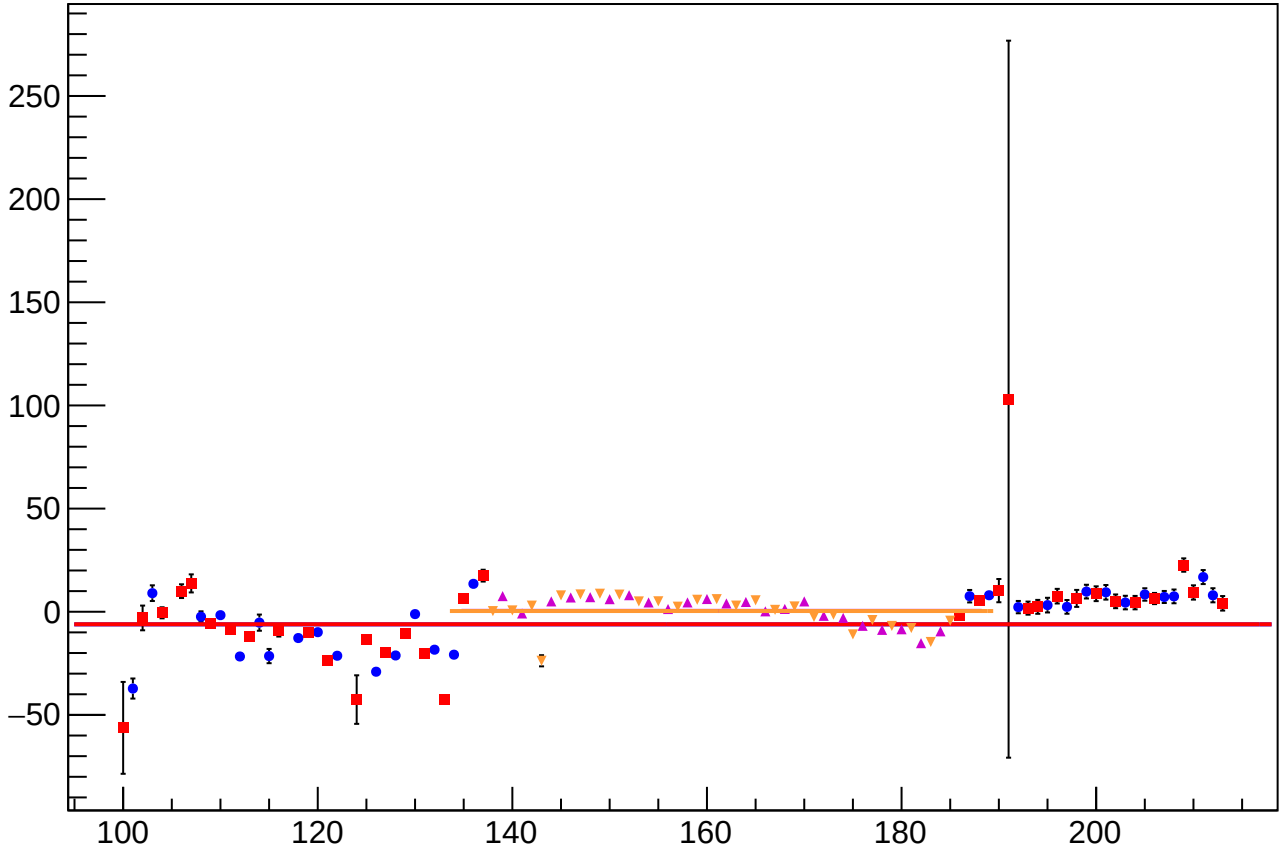
Right: -61.576+/-0.221 χ^2/NDF: 9262.4/62

In: -30.905+/-0.211 χ^2/NDF:17201.2/51

Out: -35.926+/-0.196 χ^2/NDF:26061.6/58

All: -33.602+/-0.143 χ^2/NDF: 43567.5/110

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.132+/-0.437 χ^2/NDF: 1001.4/28

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

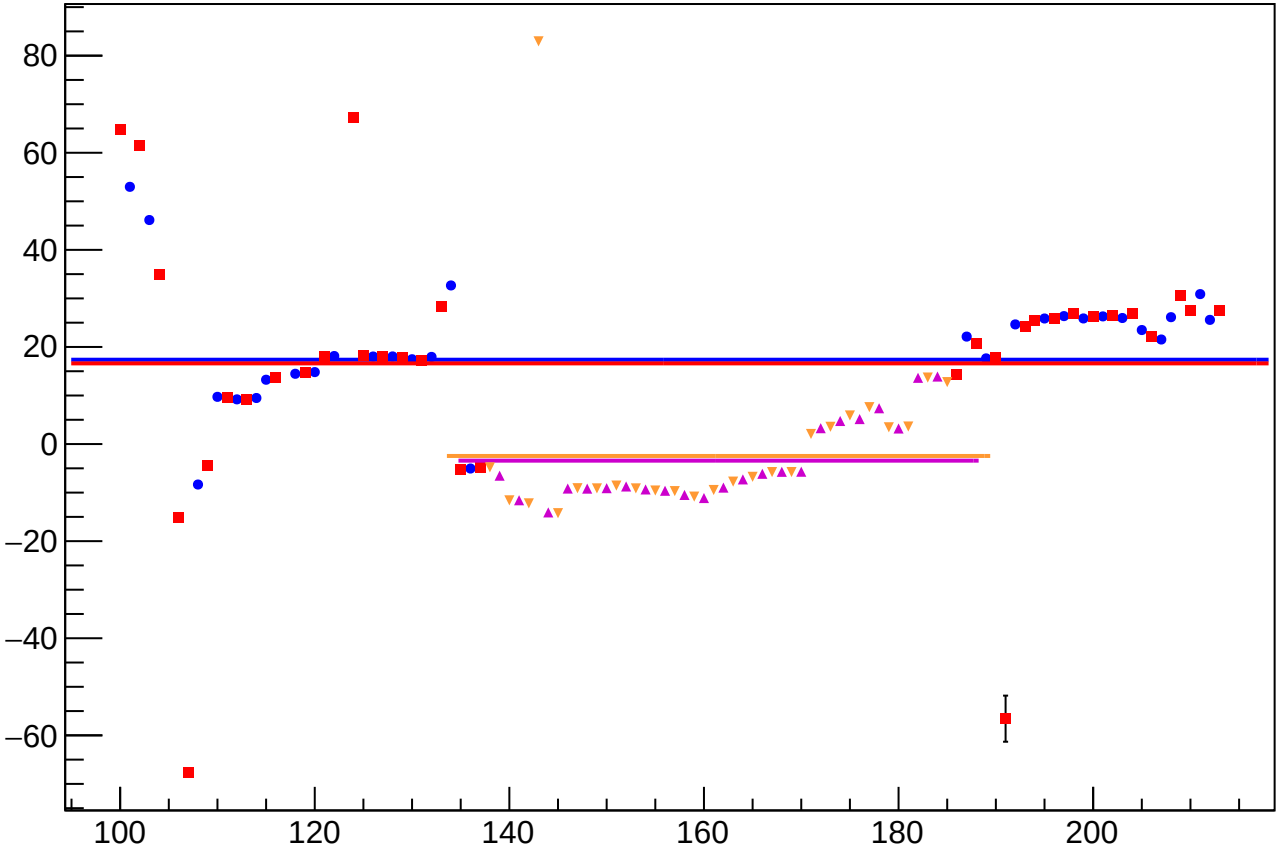
Right: -6.094+/-0.303 χ^2/NDF: 2051.5/62

In: -1.057+/-0.208 χ^2/NDF:1958.1/51

Out: -1.140+/-0.203 χ^2/NDF:2149.7/58

All: -1.100+/-0.145 χ^2/NDF: 4107.9/110

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 17.371+/-0.022 χ^2/NDF: 448130.4/28

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

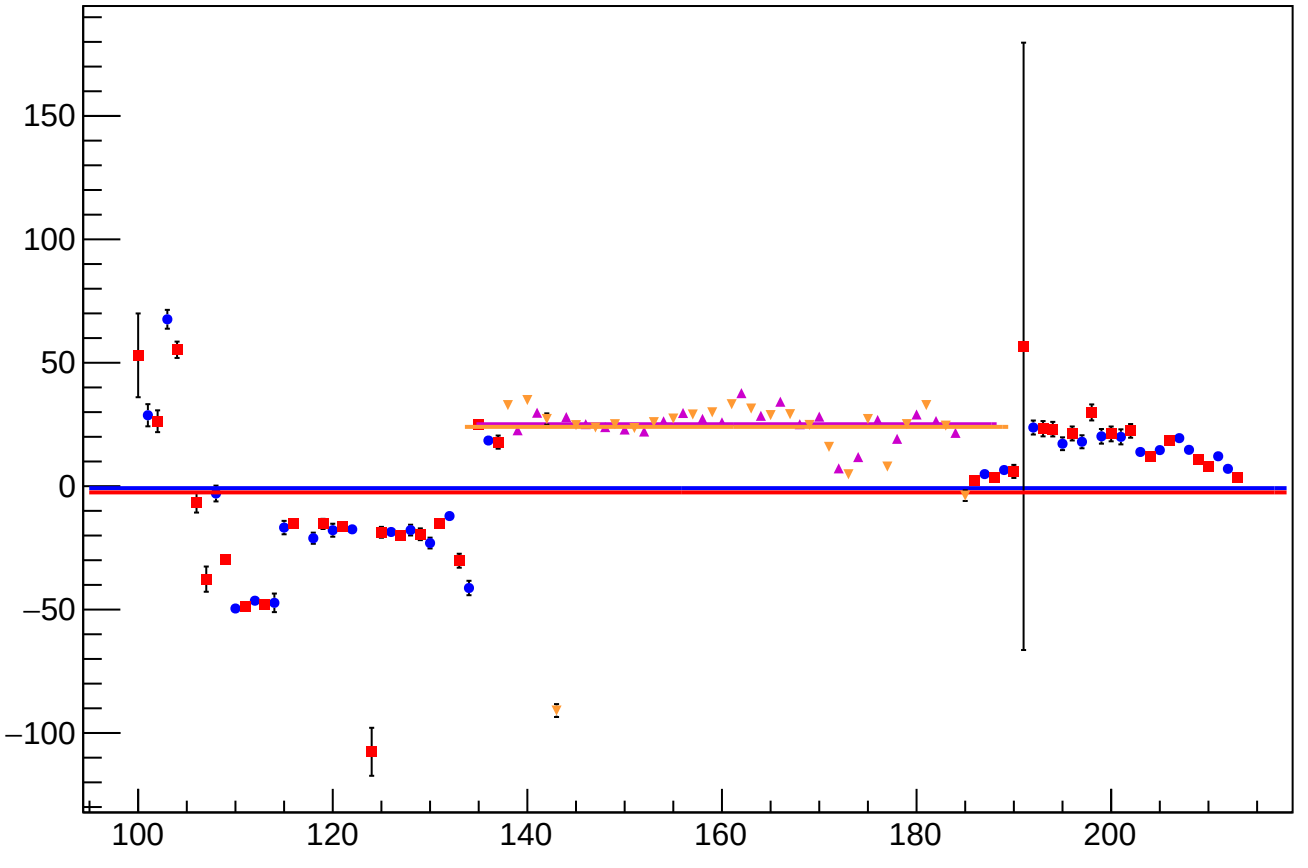
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 16.990+/-0.016 χ^2/NDF: 1024168.2/62

In: 0.388+/-0.009 χ^2/NDF:1720861.4/51

Out: 1.055+/-0.009 χ^2/NDF:2161164.2/58

All: 0.724+/-0.007 χ^2/NDF: 3884542.3/110



Right In: -0.801+/-0.379 χ^2/NDF: 3674.9/28

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

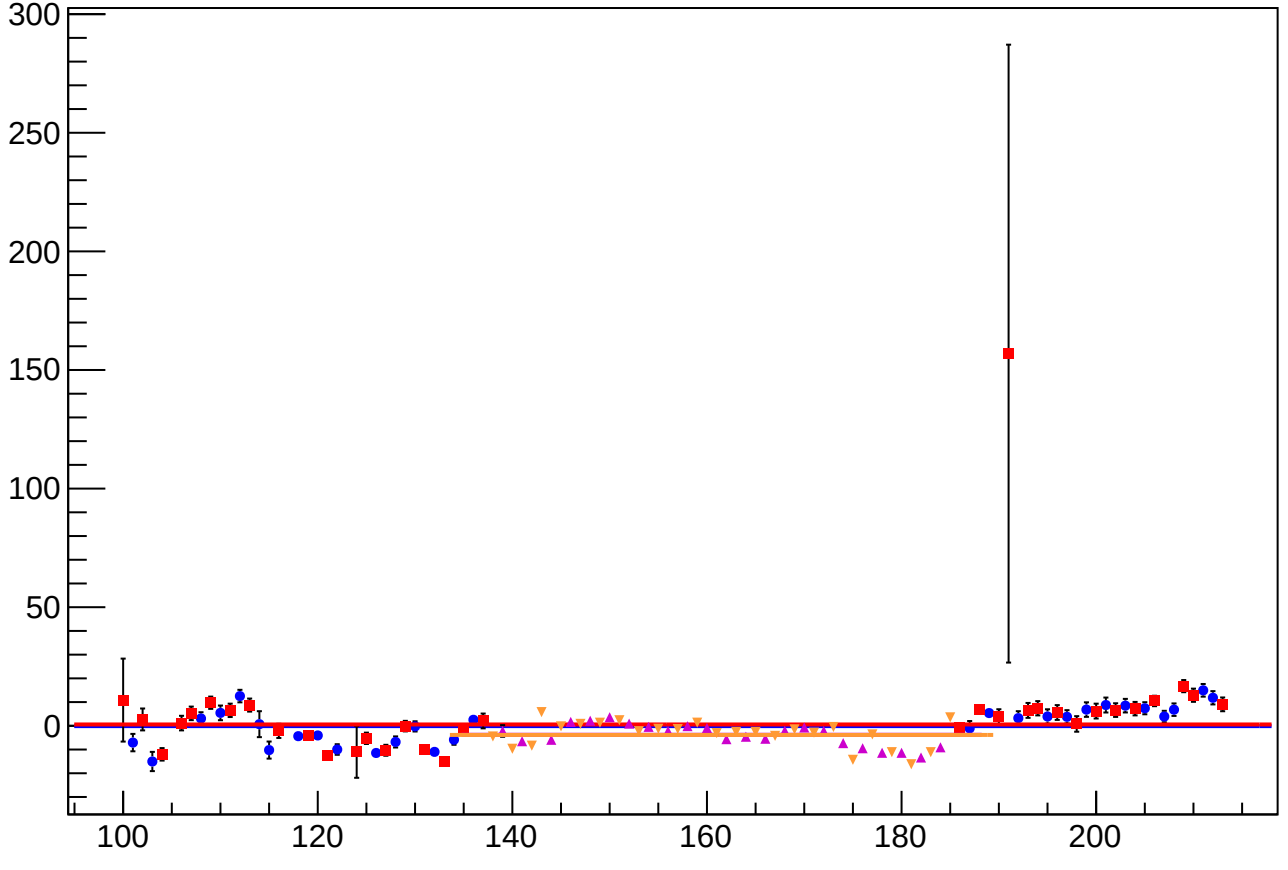
Right: -1.724+/-0.258 χ^2/NDF: 7575.2/62

In: 15.646+/-0.229 χ^2/NDF:7134.1/51

Out: 13.689+/-0.220 χ^2/NDF:10142.1/58

All: 14.630+/-0.159 χ^2/NDF: 17314.2/110

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.131+/-0.446 χ^2/NDF: 268.1/28

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

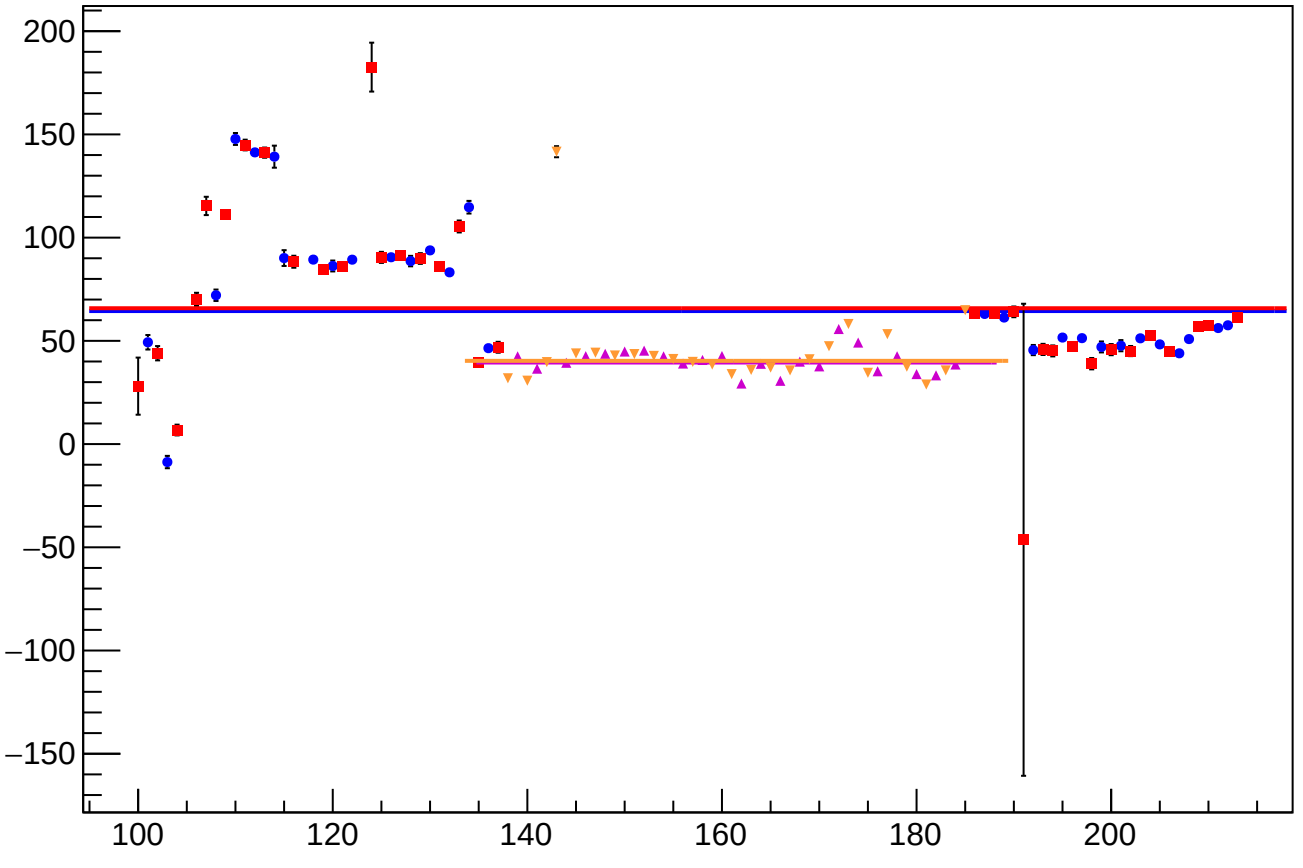
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.233+/-0.309 χ^2/NDF: 624.7/62

In: -3.047+/-0.200 χ^2/NDF:831.4/51

Out: -2.936+/-0.194 χ^2/NDF:1089.2/58

All: -2.990+/-0.139 χ^2/NDF: 1920.8/110



Right In: 64.435+/-0.387 χ^2/NDF: 4659.8/28

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

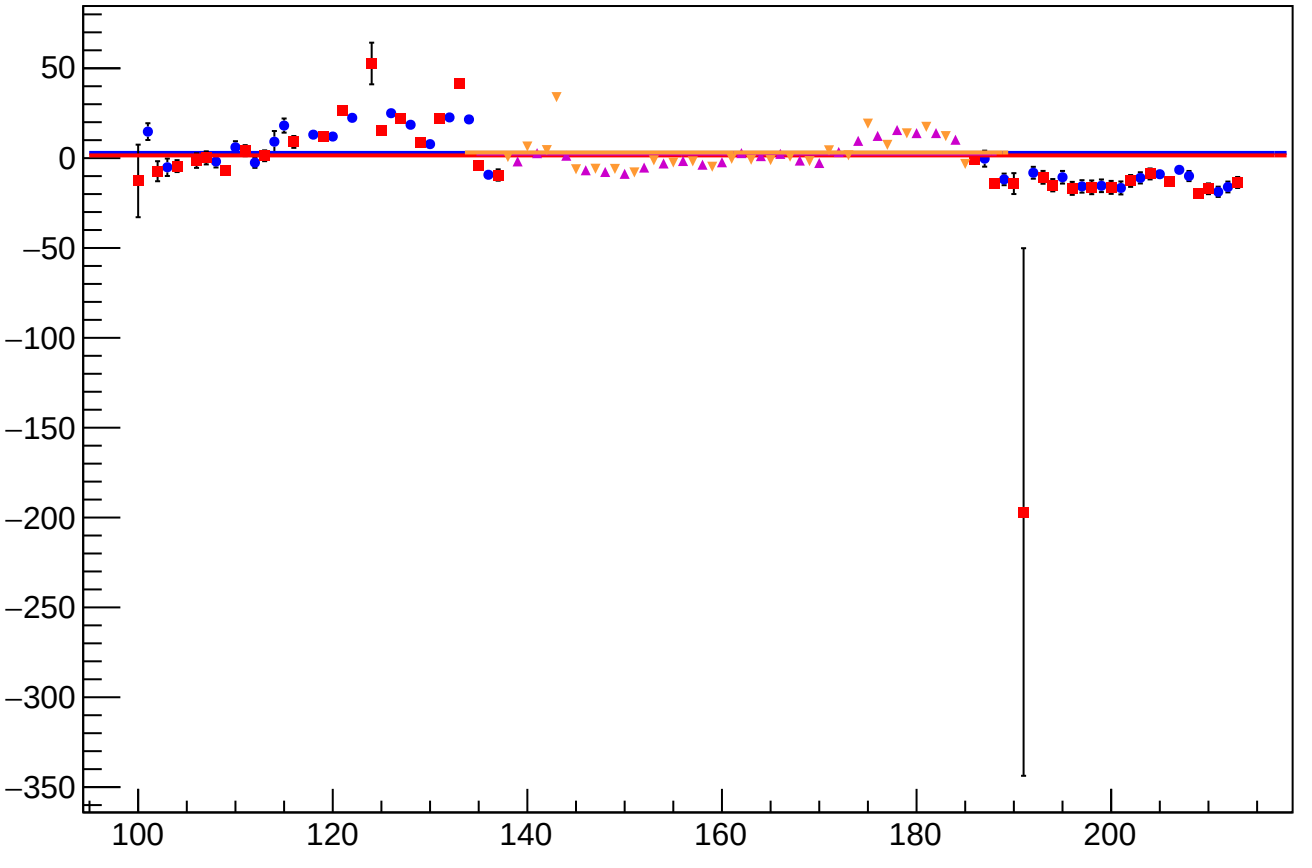
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 65.178+/-0.260 χ^2/NDF: 9500.7/62

In: 48.266+/-0.229 χ^2/NDF:7786.6/51

Out: 50.185+/-0.219 χ^2/NDF:10221.1/58

All: 49.268+/-0.158 χ^2/NDF: 18044.3/110



Right In: 2.901+/-0.509 χ^2/NDF: 804.2/28

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

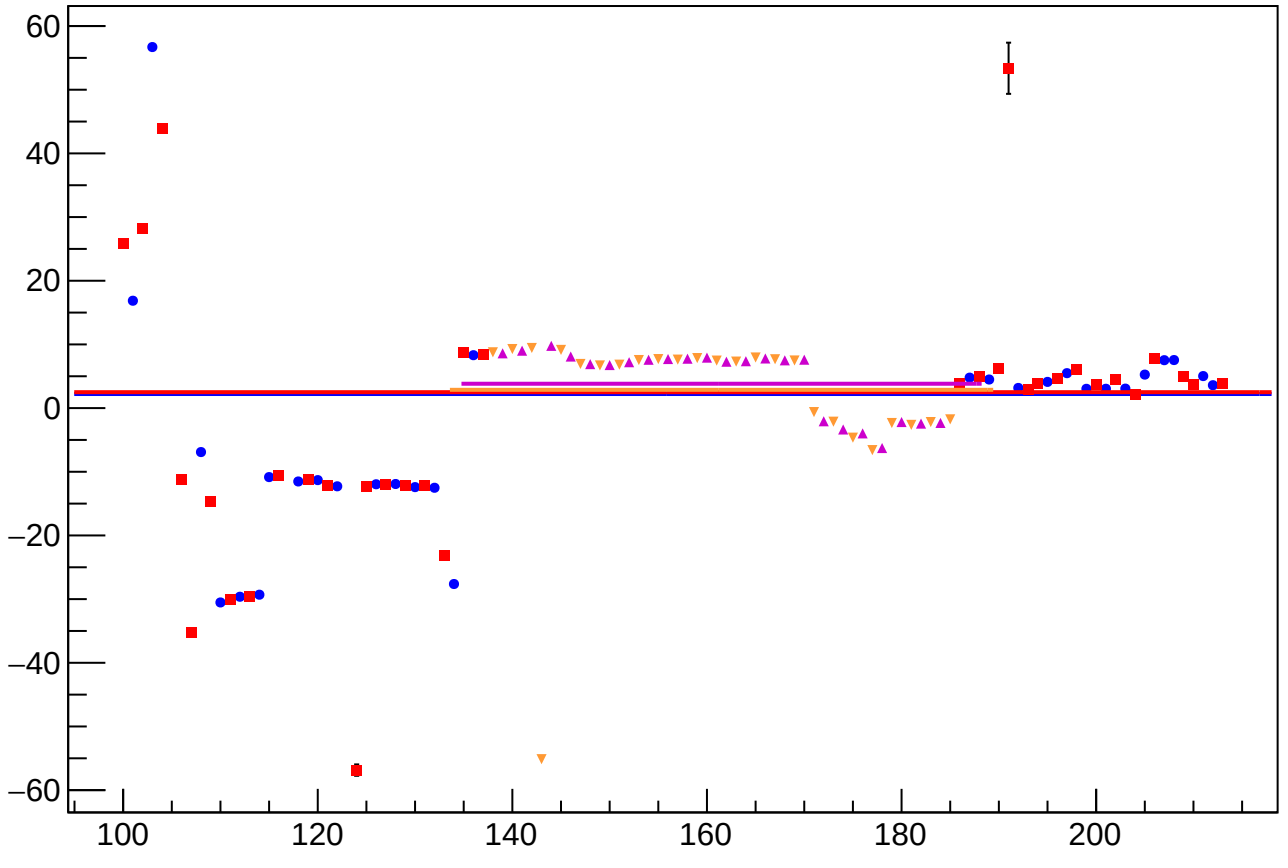
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 2.197+/-0.357 χ^2/NDF: 1834.1/62

In: 2.593+/-0.225 χ^2/NDF:1772.8/51

Out: 2.827+/-0.220 χ^2/NDF:2301.7/58

All: 2.713+/-0.158 χ^2/NDF: 4075.0/110



Right In: 2.212+/-0.024 χ^2/NDF: 382934.0/28

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

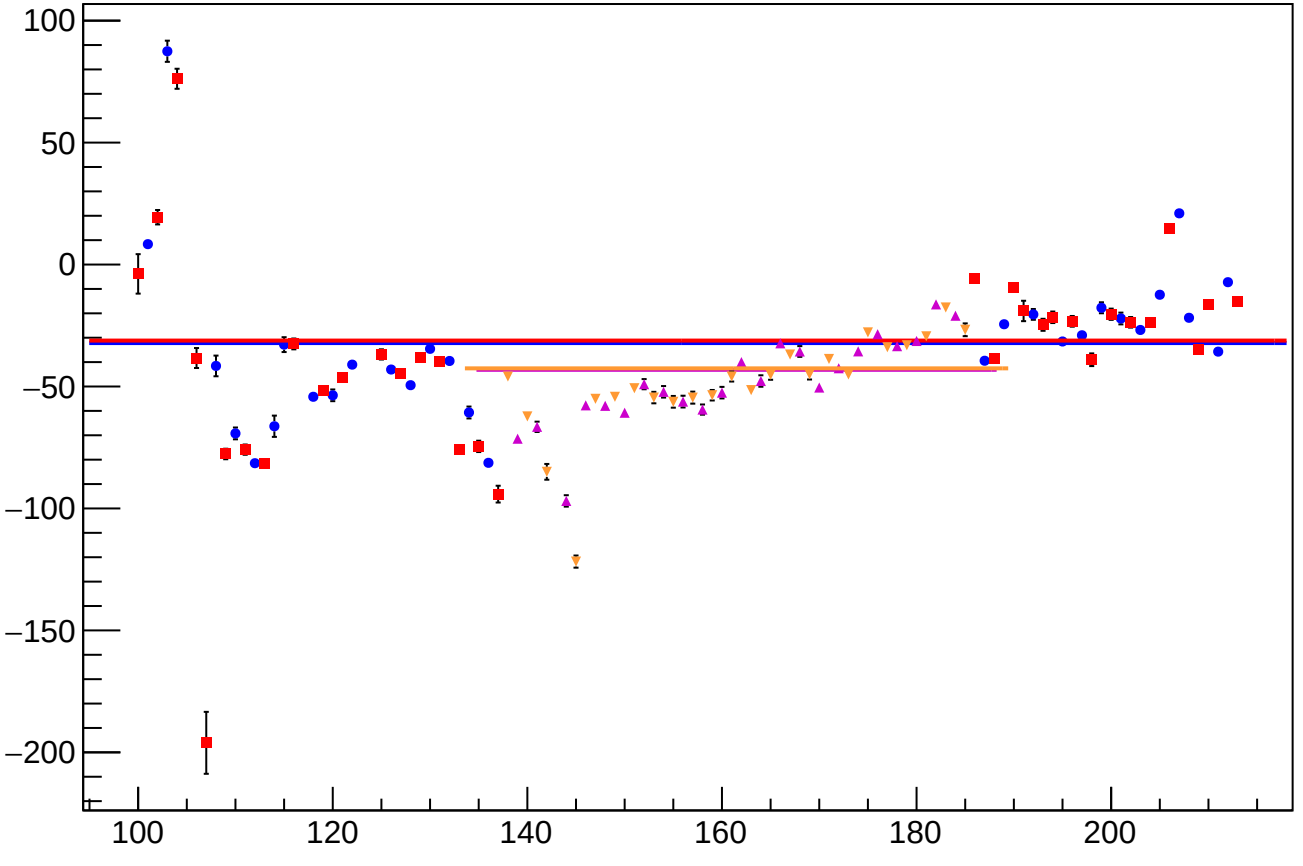
Right: 2.357+/-0.017 χ^2/NDF: 713762.0/62

In: 3.542+/-0.010 χ^2/NDF:619864.9/51

Out: 2.805+/-0.010 χ^2/NDF:843285.5/58

All: 3.170+/-0.007 χ^2/NDF: 1465845.1/110

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -32.193+/-0.350 χ^2/NDF: 5314.7/28

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

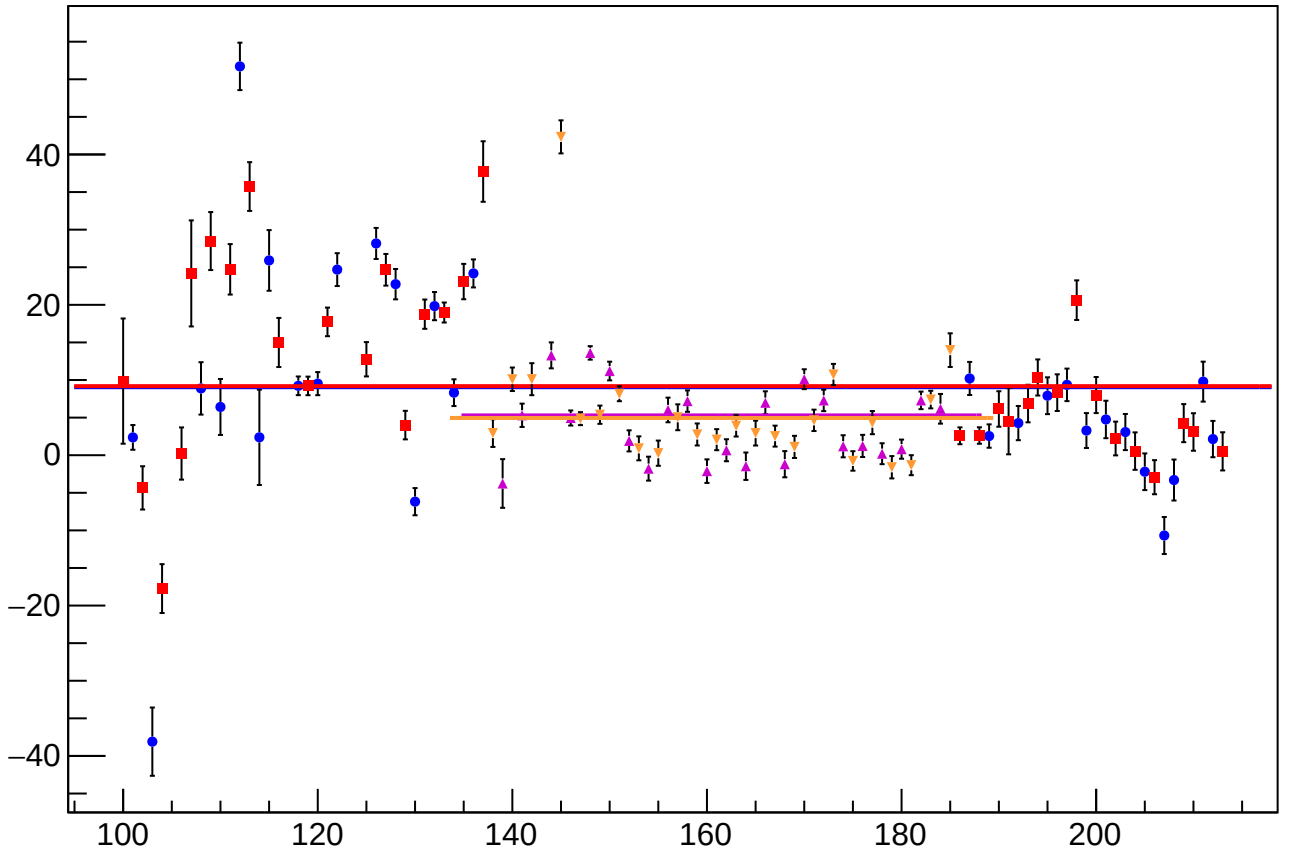
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -31.630+/-0.235 χ^2/NDF: 11824.8/61

In: -37.204+/-0.258 χ^2/NDF:7969.1/51

Out: -35.856+/-0.243 χ^2/NDF:9365.4/56

All: -36.489+/-0.177 χ^2/NDF: 17348.9/108



Right In: 9.047+/-0.401 χ^2/NDF: 831.3/28

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

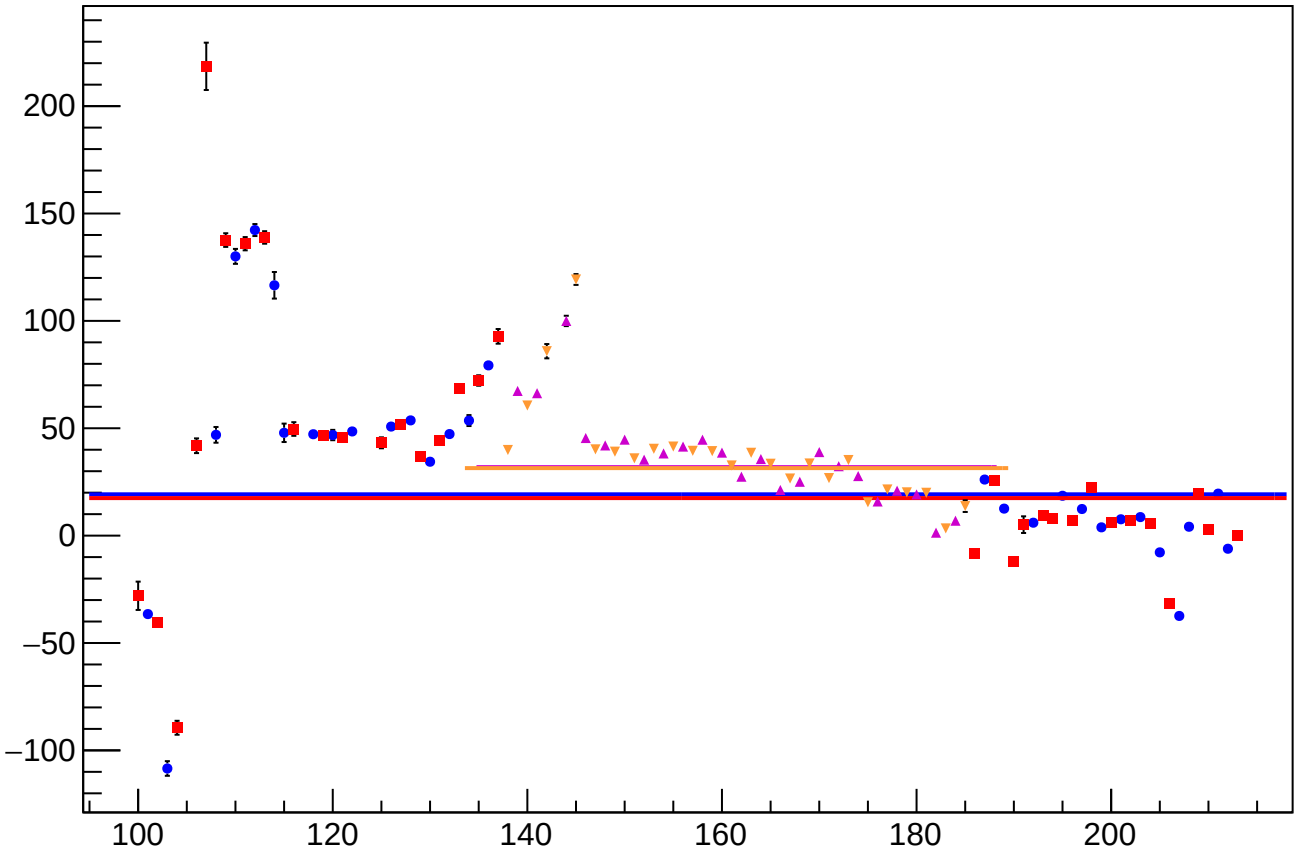
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 9.120+/-0.274 χ^2/NDF: 1463.1/61

In: 6.605+/-0.237 χ^2/NDF:1174.7/51

Out: 6.522+/-0.229 χ^2/NDF:1160.4/56

All: 6.562+/-0.165 χ^2/NDF: 2335.2/108



Right In: 19.239+/-0.345 χ^2/NDF: 11023.9/28

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 17.477+/-0.300 χ^2/NDF: 12835.0/32

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

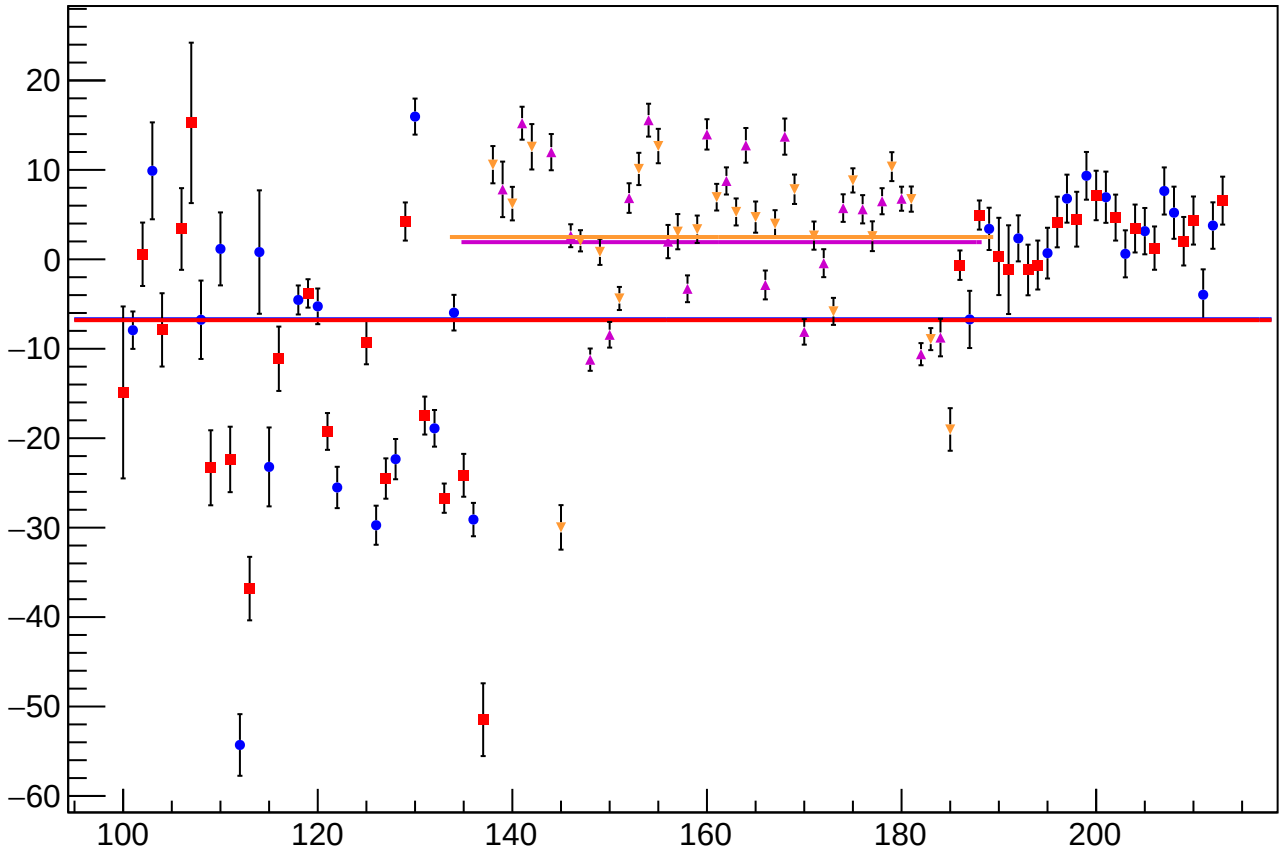
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 18.236+/-0.226 χ^2/NDF: 23873.8/61

In: 24.987+/-0.255 χ^2/NDF:14402.7/51

Out: 22.922+/-0.235 χ^2/NDF:16440.2/56

All: 23.869+/-0.173 χ^2/NDF: 30878.5/108



Right In: -6.702+/-0.468 χ^2/NDF: 960.6/28

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

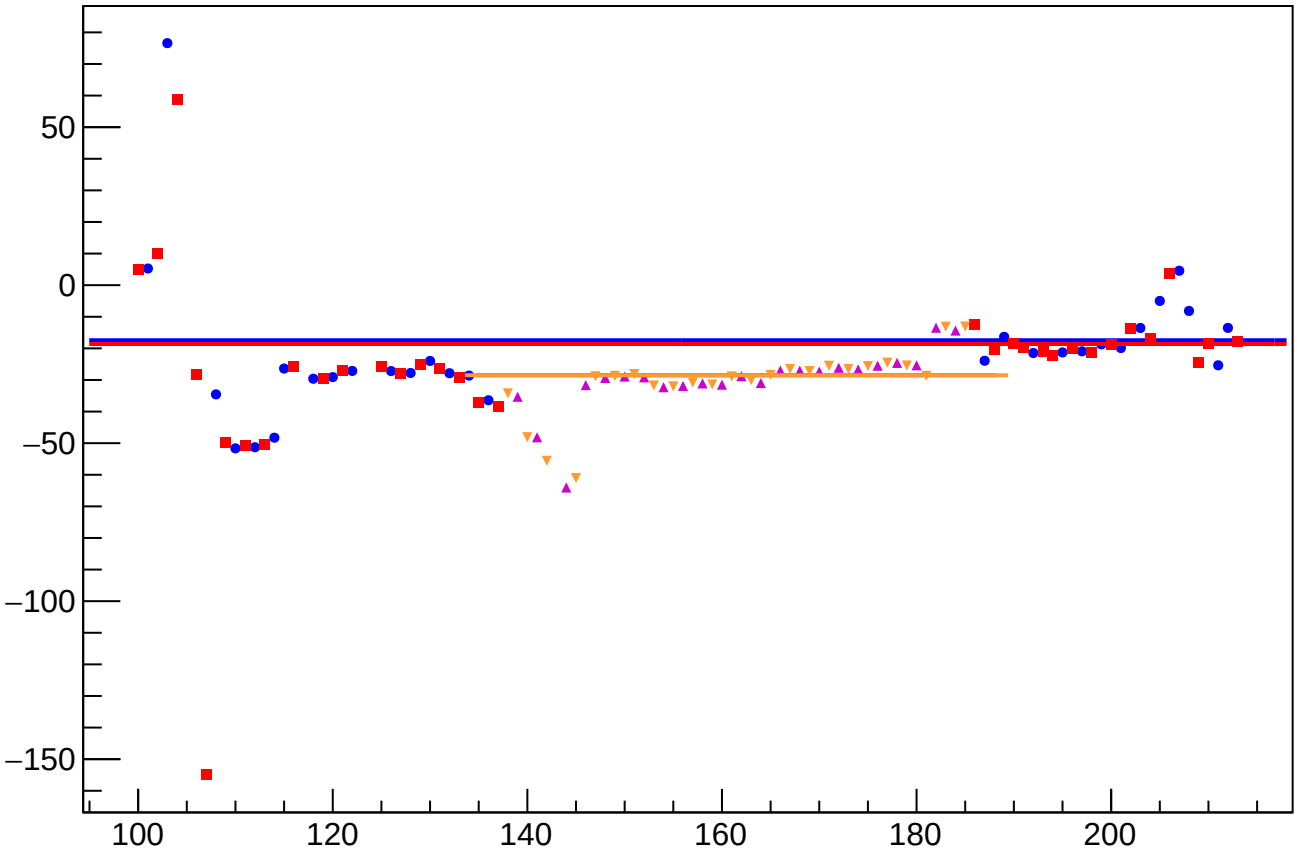
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -6.753+/-0.325 χ^2/NDF: 1790.2/61

In: -0.963+/-0.271 χ^2/NDF:1865.1/51

Out: -0.690+/-0.265 χ^2/NDF:1665.6/56

All: -0.824+/-0.189 χ^2/NDF: 3531.1/108



Right In: -17.427+/-0.022 χ^2/NDF: 731191.4/28

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

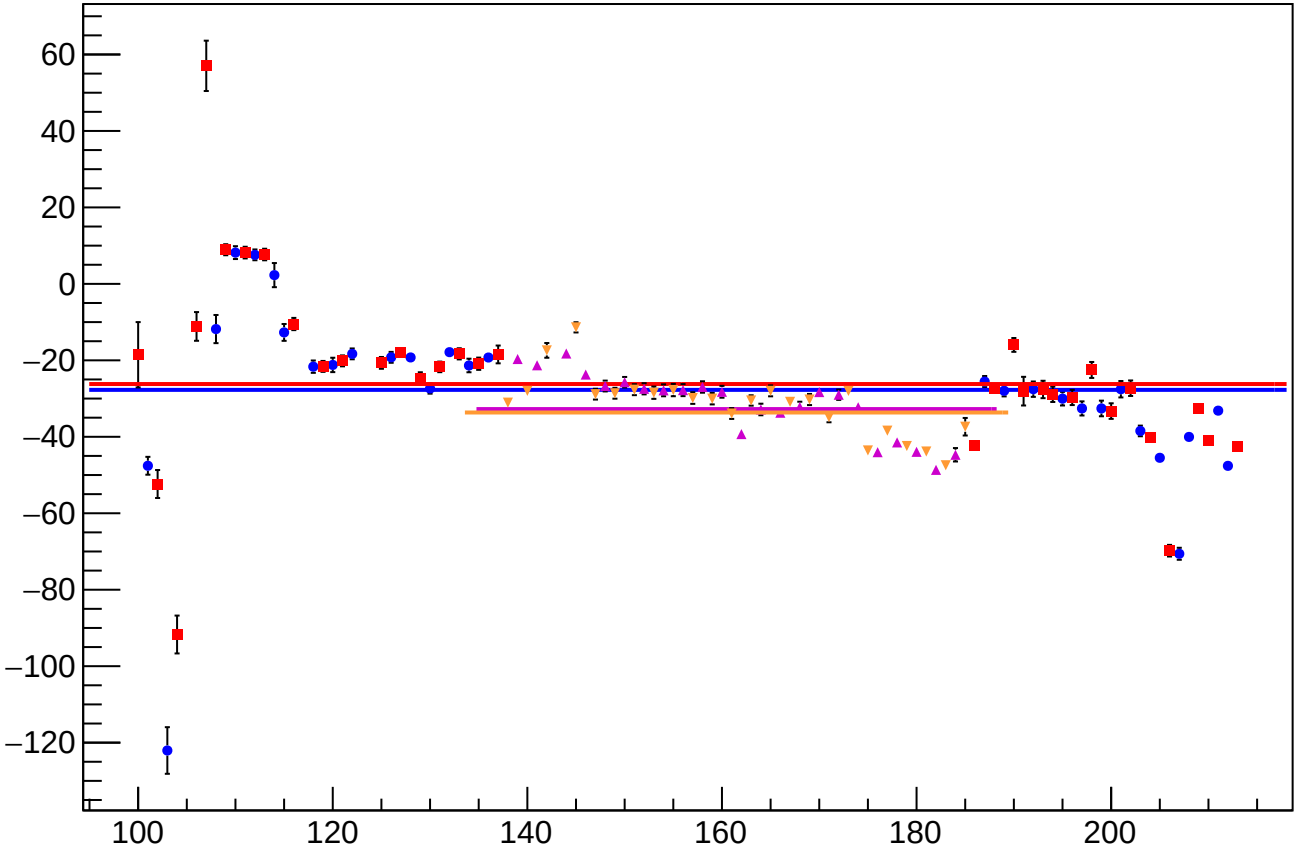
Right: -18.044+/-0.015 χ^2/NDF: 1358138.1/61

In: -25.000+/-0.012 χ^2/NDF:1195367.5/51

Out: -25.261+/-0.012 χ^2/NDF:1106738.1/56

All: -25.132+/-0.009 χ^2/NDF: 2302336.1/108

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -27.725+/-0.284 χ^2/NDF: 3309.6/28

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

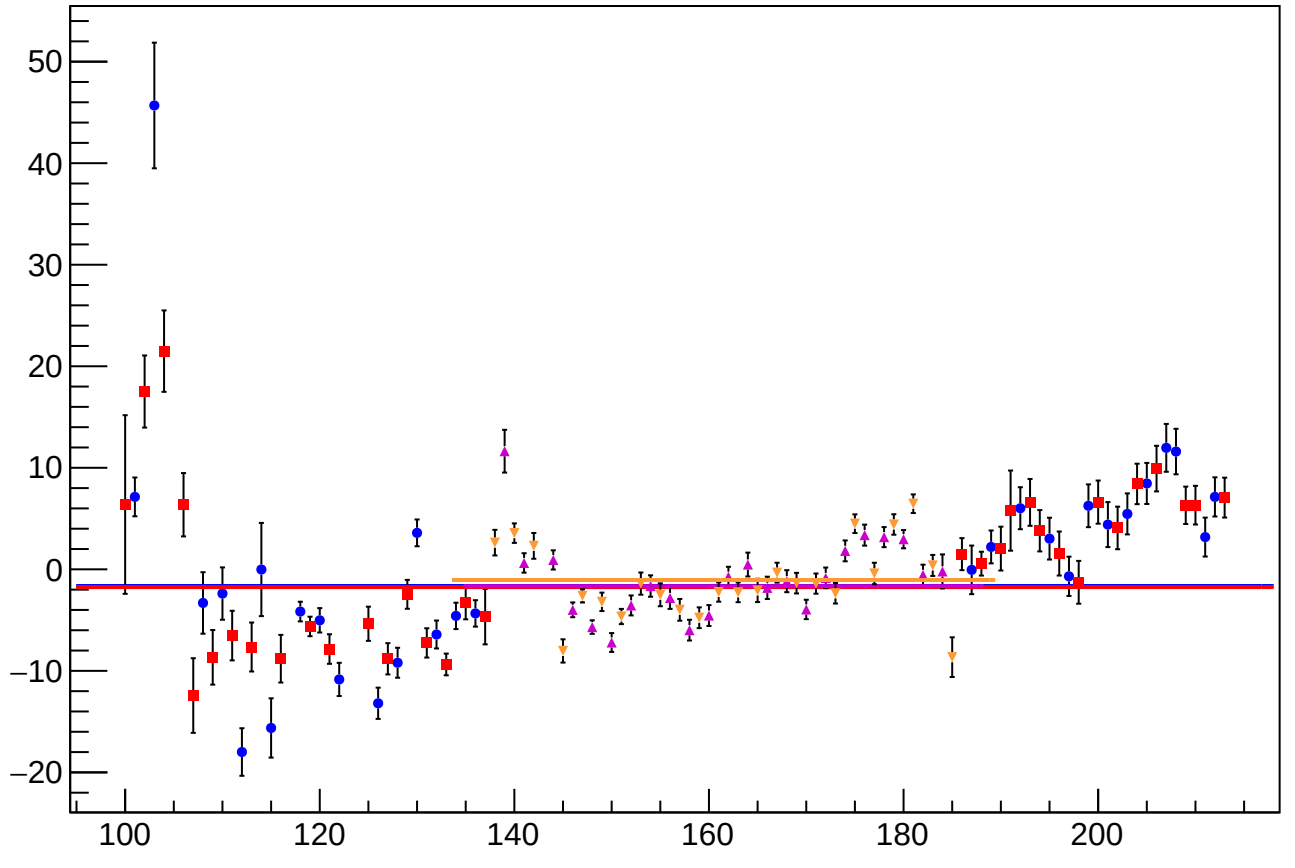
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -26.924+/-0.196 χ^2/NDF: 7212.3/61

In: -30.381+/-0.195 χ^2/NDF:4618.1/51

Out: -29.993+/-0.189 χ^2/NDF:5290.0/56

All: -30.181+/-0.136 χ^2/NDF: 9910.2/108



Right In: -1.644+/-0.327 χ^2/NDF: 497.2/28

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -1.747+/-0.321 χ^2/NDF: 402.8/32

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

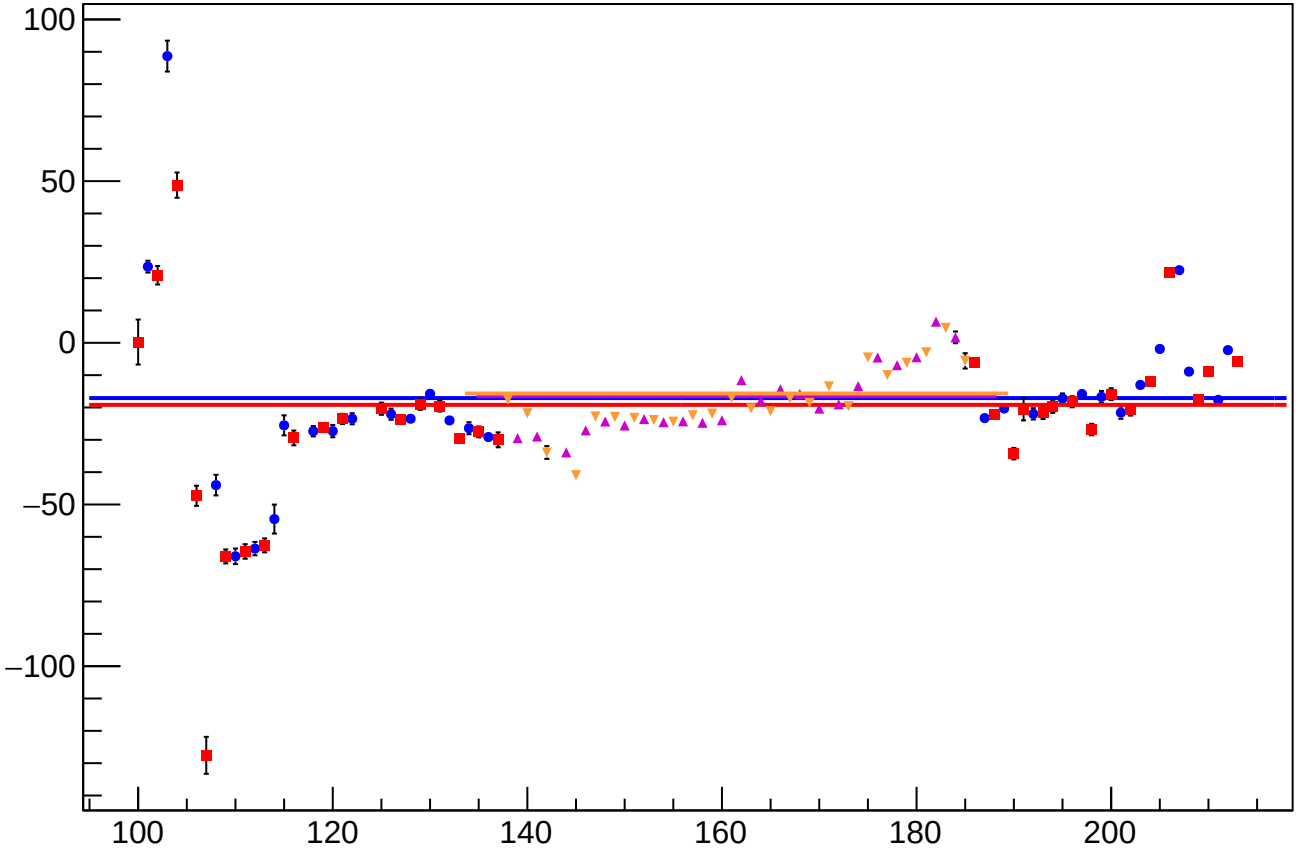
Right: -1.697+/-0.229 χ^2/NDF: 900.1/61

In: -1.655+/-0.175 χ^2/NDF:761.6/51

Out: -1.249+/-0.172 χ^2/NDF:695.6/56

All: -1.448+/-0.122 χ^2/NDF: 1459.9/108

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -17.092+/-0.291 χ^2/NDF: 3432.8/28

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

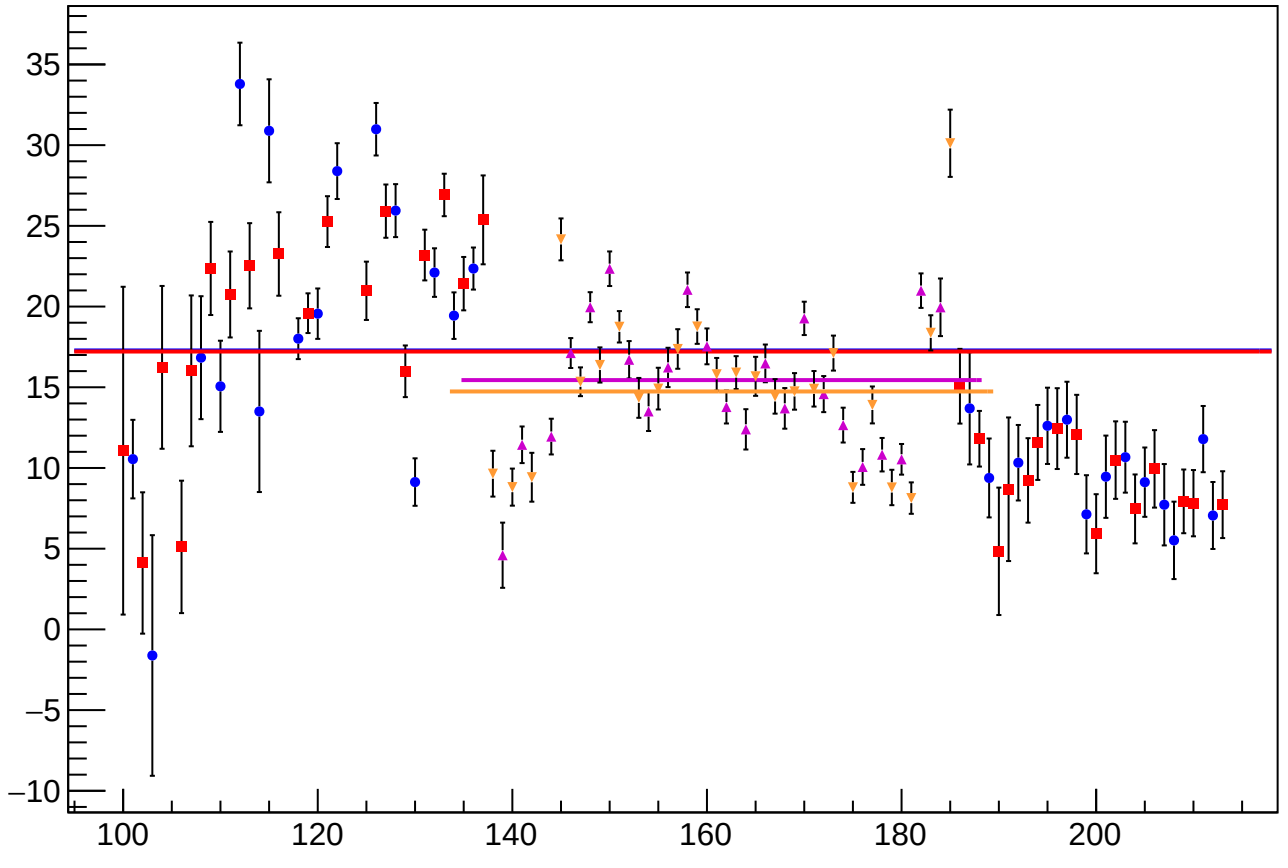
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -18.208+/-0.199 χ^2/NDF: 7184.2/61

In: -16.758+/-0.196 χ^2/NDF:5132.9/51

Out: -17.369+/-0.189 χ^2/NDF:5330.6/56

All: -17.075+/-0.136 χ^2/NDF: 10468.5/108



Right In: 17.282+/-0.375 χ^2/NDF: 424.1/28

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

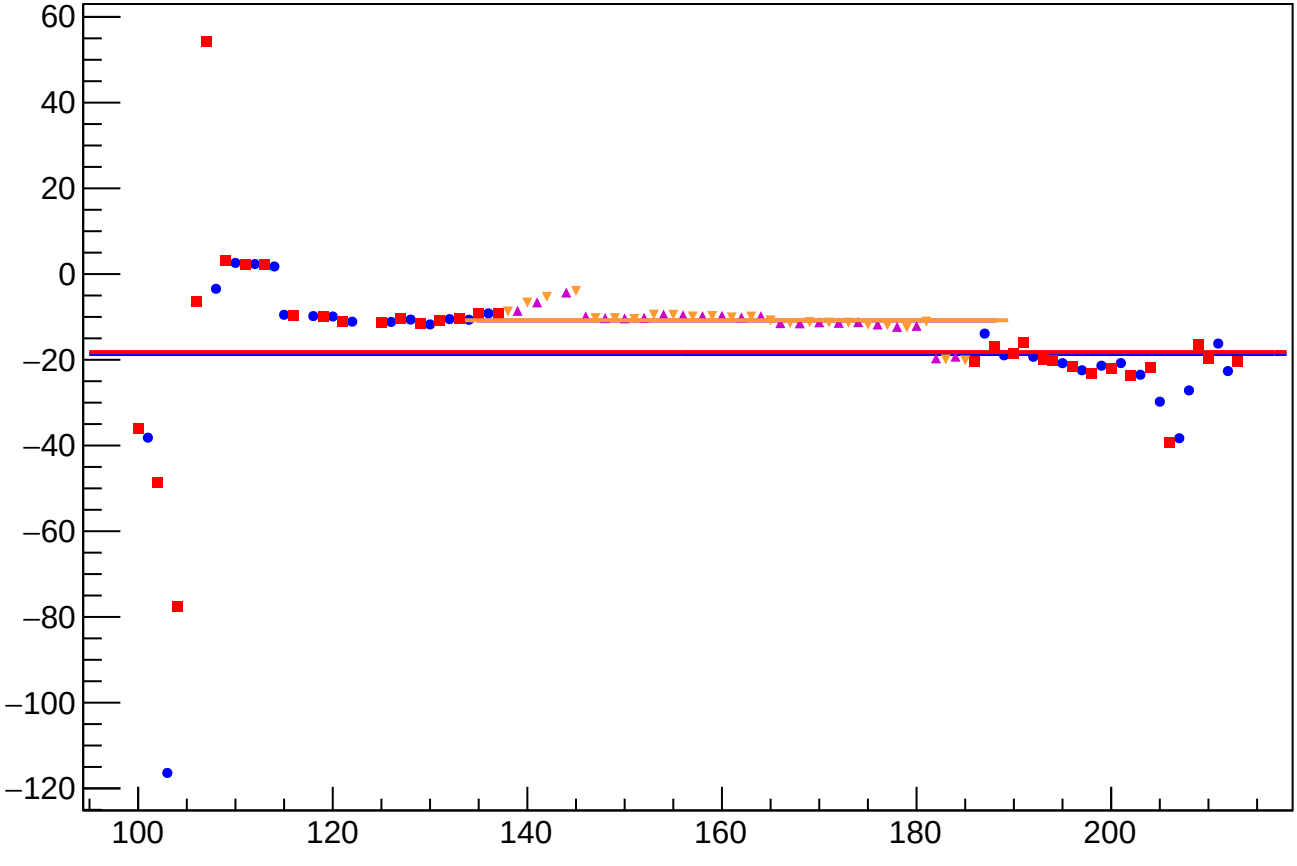
Right: 17.248+/-0.265 χ^2/NDF: 774.0/61

In: 15.956+/-0.198 χ^2/NDF:731.8/51

Out: 15.415+/-0.196 χ^2/NDF:712.5/56

All: 15.682+/-0.139 χ^2/NDF: 1448.1/108

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -18.655+/-0.018 χ^2/NDF: 456194.0/28

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

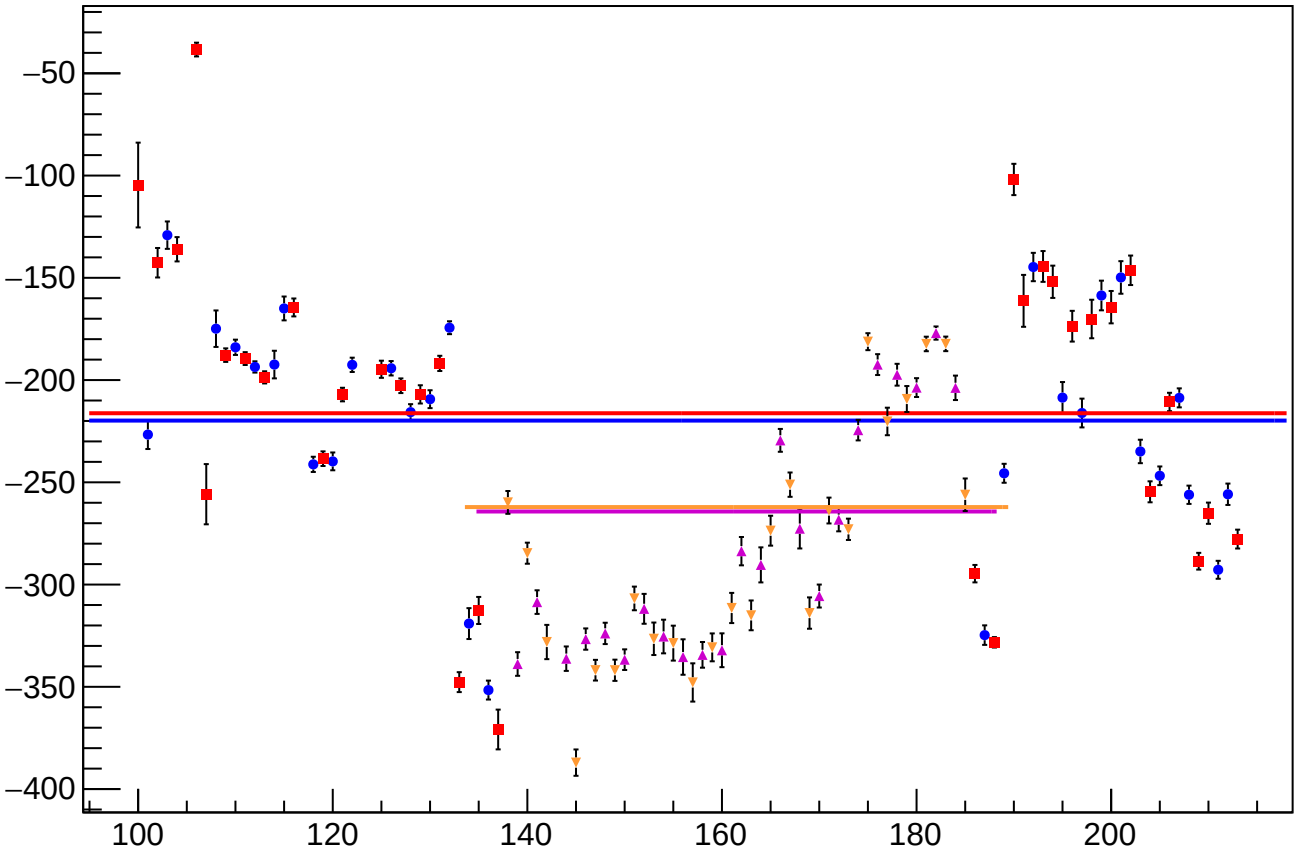
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -18.427+/-0.013 χ^2/NDF: 889773.8/61

In: -12.717+/-0.009 χ^2/NDF:668743.4/51

Out: -12.589+/-0.009 χ^2/NDF:645164.2/56

All: -12.653+/-0.006 χ^2/NDF: 1314008.6/108



Right In: -219.813+/-0.868 χ^2/NDF: 3081.5/28

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

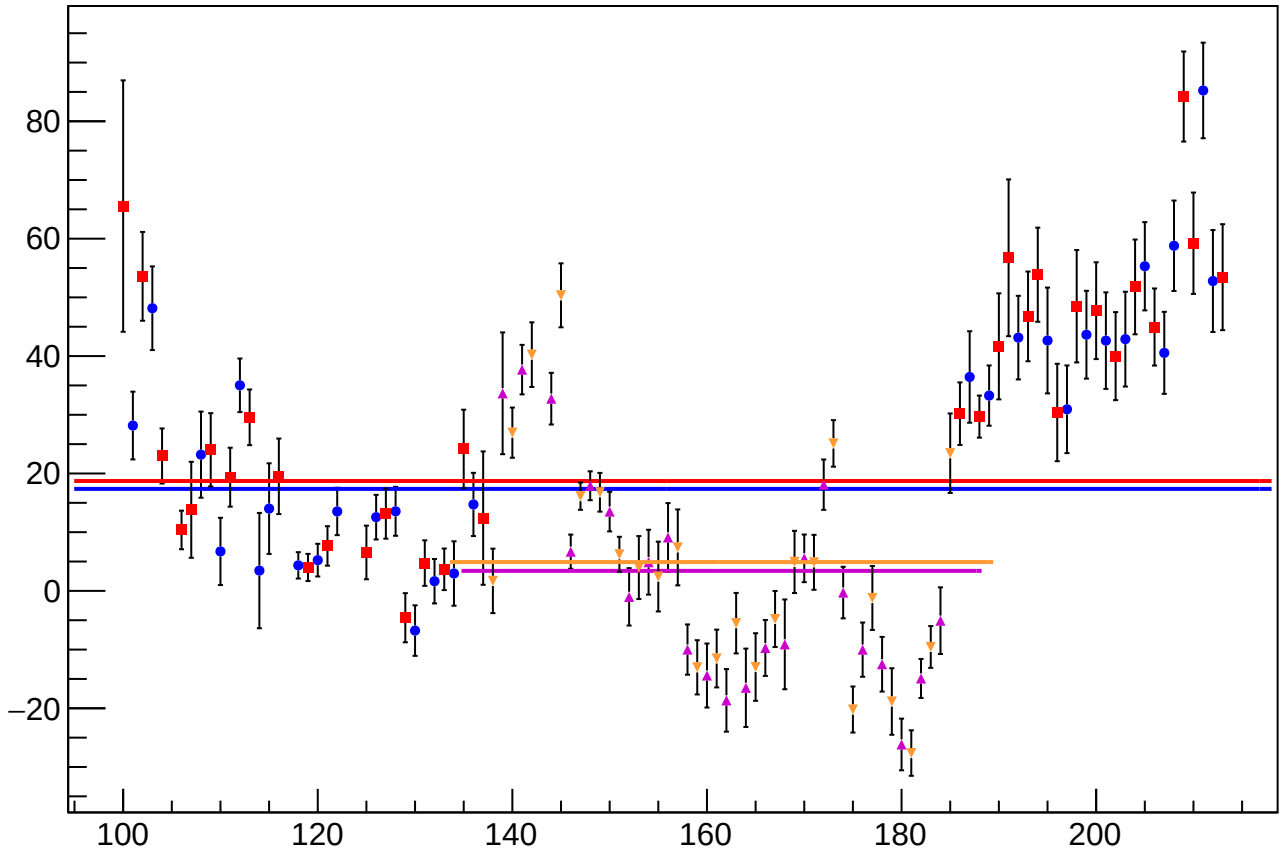
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -217.869+/-0.588 χ^2/NDF: 11346.7/61

In: -235.336+/-0.701 χ^2/NDF:6738.5/51

Out: -230.678+/-0.662 χ^2/NDF:12257.7/56

All: -232.875+/-0.481 χ^2/NDF: 19019.6/108



Right In: 17.376+/-0.946 χ^2/NDF: 378.4/28

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

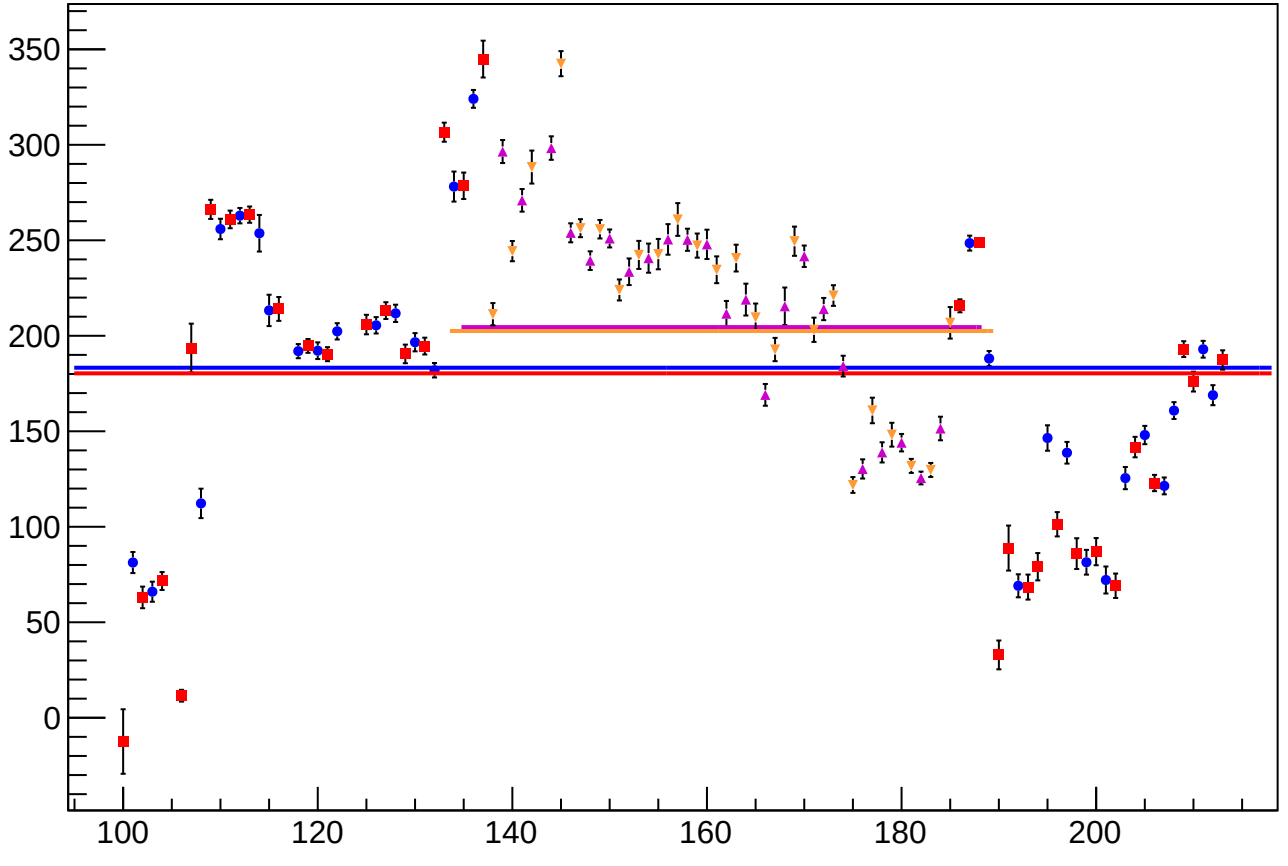
Right: 18.075+/-0.654 χ^2/NDF: 778.0/61

In: 10.048+/-0.652 χ^2/NDF:826.0/51

Out: 11.668+/-0.633 χ^2/NDF:916.3/56

All: 10.883+/-0.454 χ^2/NDF: 1745.5/108

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 183.280+/-0.919 χ^2/NDF: 4329.6/28

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

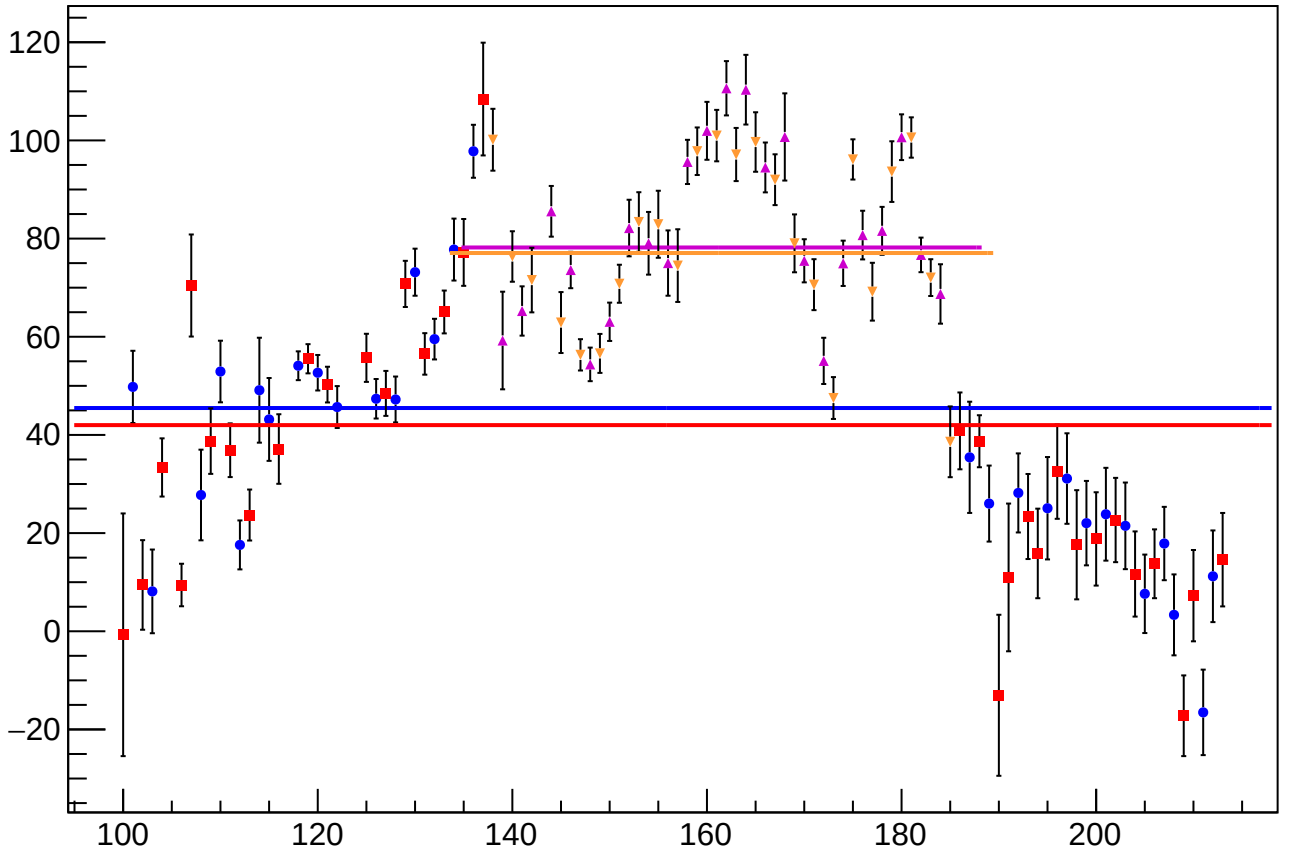
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 181.647+/-0.615 χ^2/NDF: 13835.4/61

In: 191.341+/-0.725 χ^2/NDF:6818.2/51

Out: 187.693+/-0.676 χ^2/NDF:12132.7/56

All: 189.390+/-0.494 χ^2/NDF: 18964.5/108



Right In: 45.483+/-1.104 χ^2/NDF: 398.4/28

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

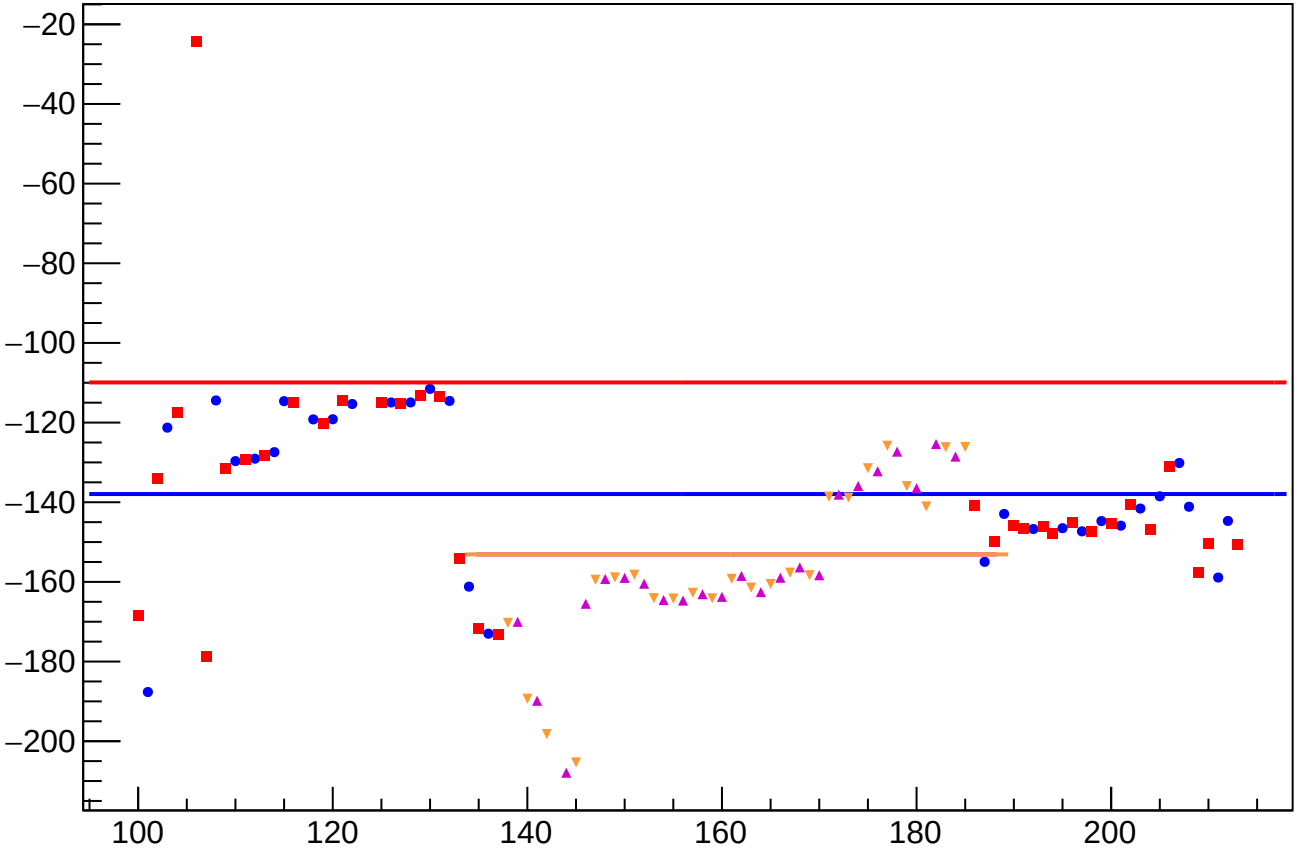
Right: 43.682+/-0.767 χ^2/NDF: 820.4/61

In: 63.042+/-0.751 χ^2/NDF:1102.0/51

Out: 60.404+/-0.736 χ^2/NDF:1294.8/56

All: 61.695+/-0.526 χ^2/NDF: 2403.0/108

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -137.941+/-0.060 χ^2/NDF: 106800.6/28

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

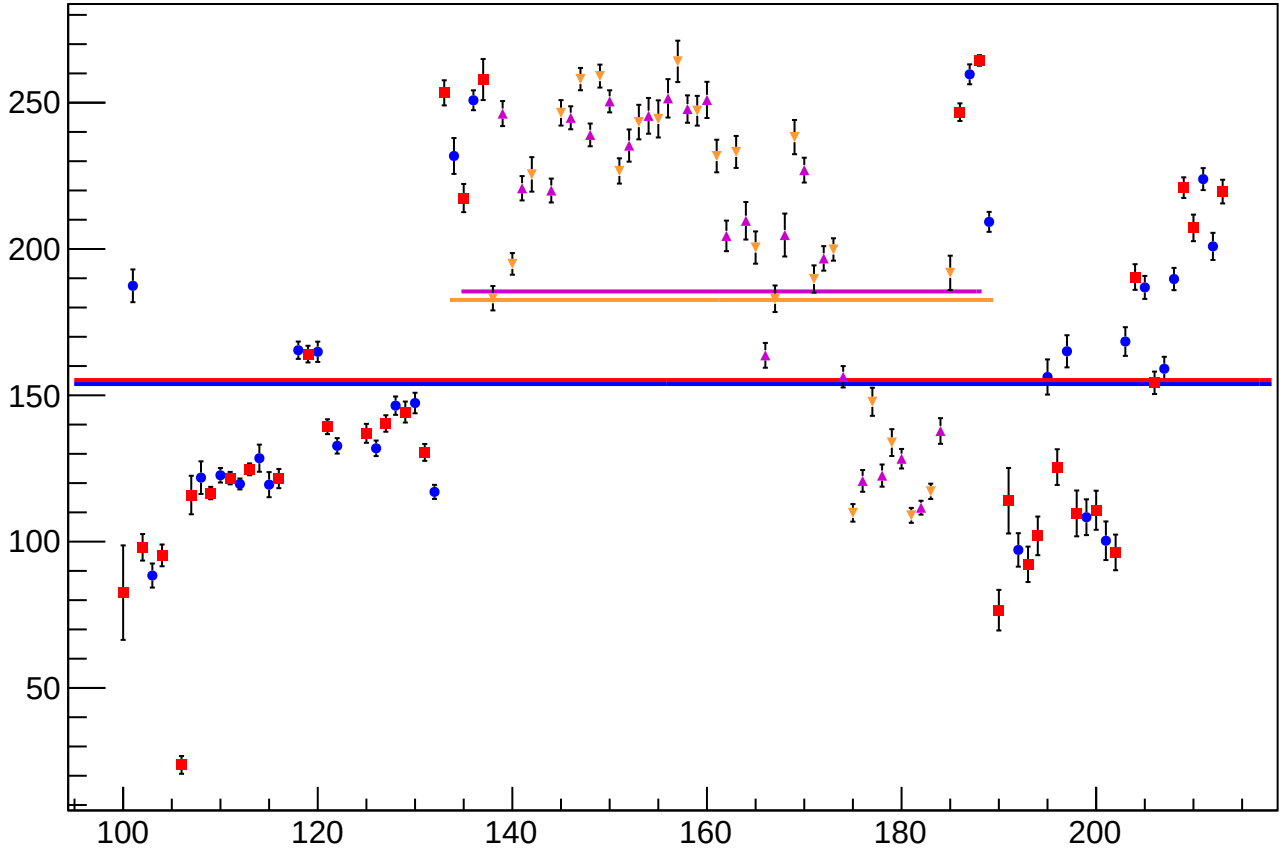
Right: -121.687+/-0.039 χ^2/NDF: 1253007.6/61

In: -147.368+/-0.037 χ^2/NDF:313428.3/51

Out: -133.247+/-0.034 χ^2/NDF:1585490.1/56

All: -139.856+/-0.025 χ^2/NDF: 1977368.5/10

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 153.856+/-0.661 χ^2/NDF: 4358.4/28

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

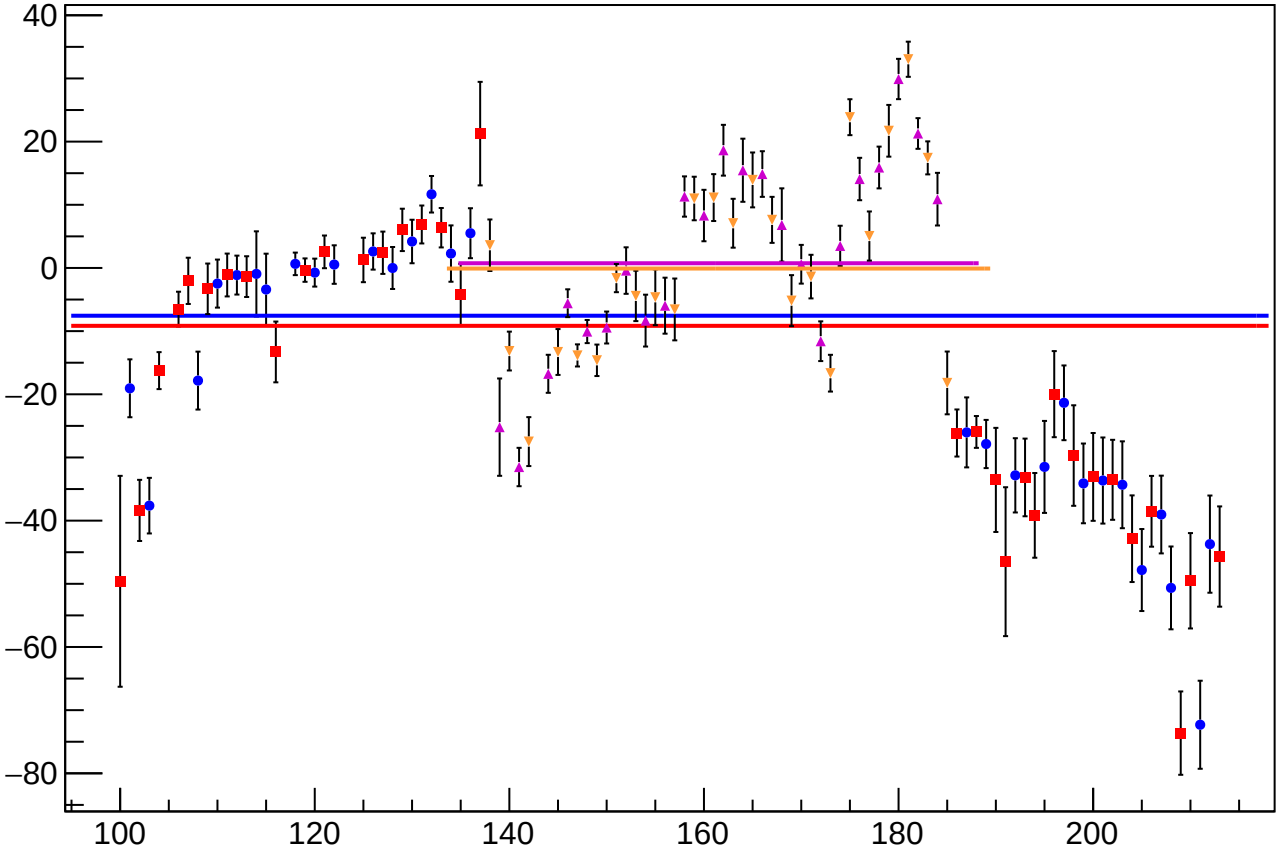
Right: 154.595+/-0.445 χ^2/NDF: 14602.8/61

In: 165.391+/-0.527 χ^2/NDF:9016.5/51

Out: 164.146+/-0.495 χ^2/NDF:15067.9/56

All: 164.730+/-0.361 χ^2/NDF: 24087.4/108

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.562+/-0.728 χ^2/NDF: 530.6/28

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

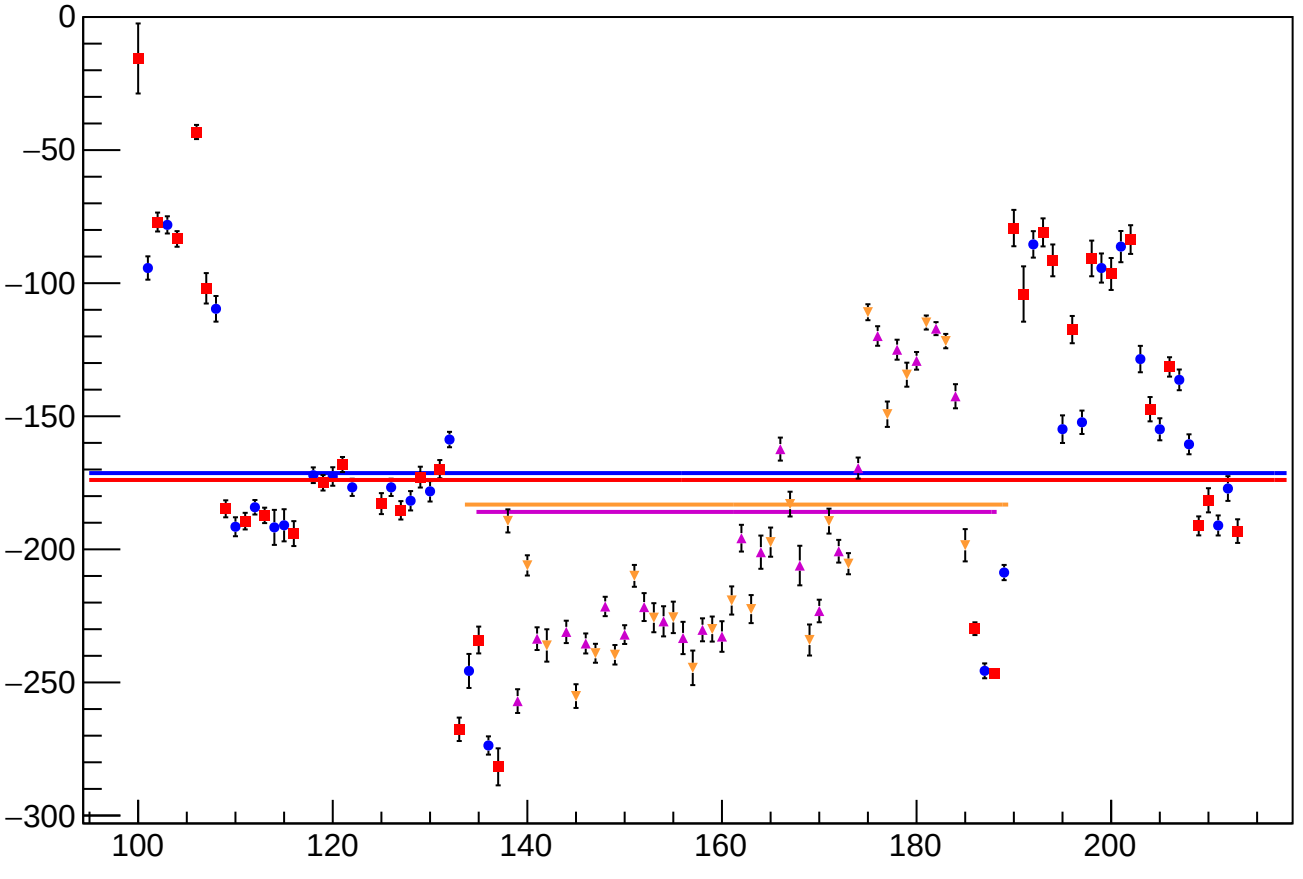
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -8.409+/-0.499 χ^2/NDF: 1104.9/61

In: -3.035+/-0.491 χ^2/NDF:1099.4/51

Out: -4.411+/-0.474 χ^2/NDF:1218.4/56

All: -3.748+/-0.341 χ^2/NDF: 2321.9/108



Right In: -171.347+/-0.705 χ^2/NDF: 4263.3/28

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

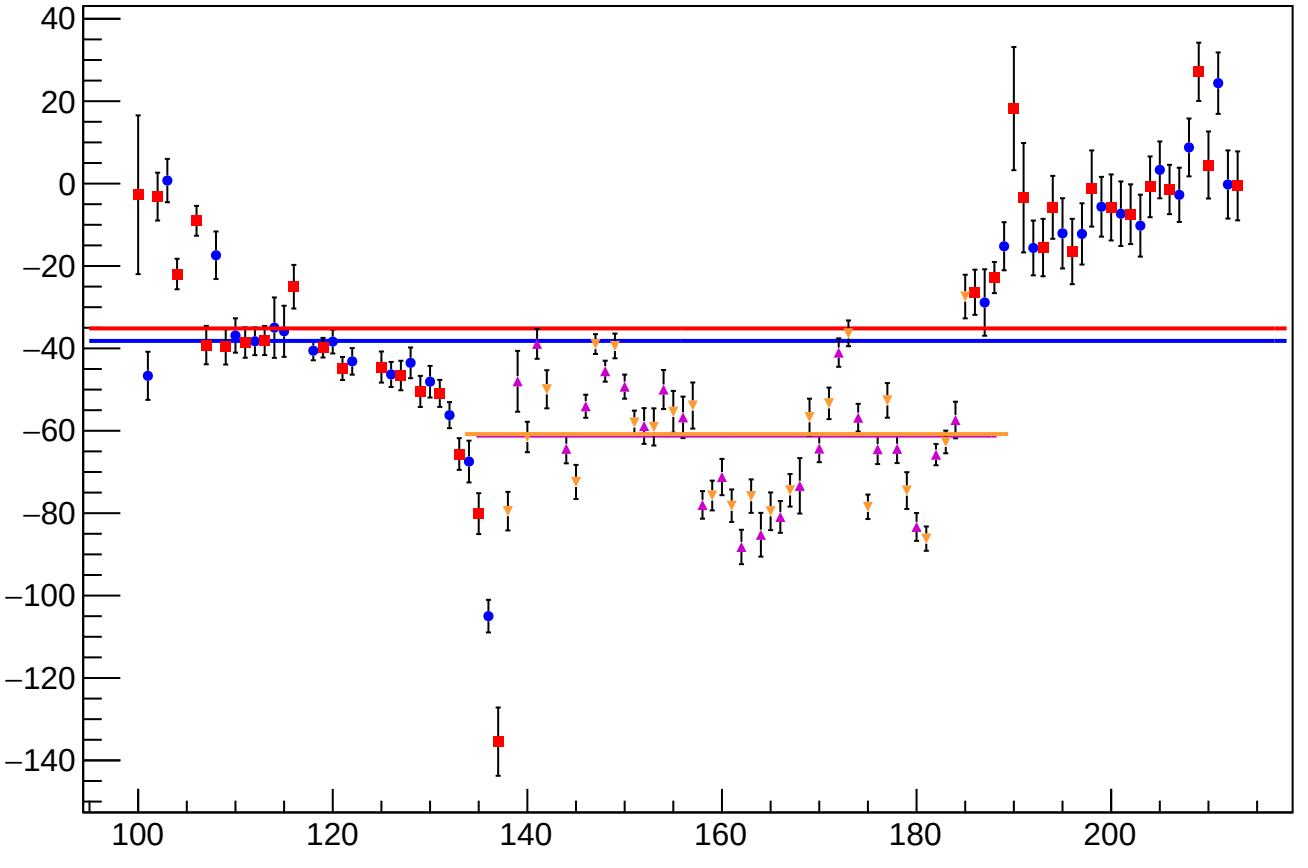
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -172.795+/-0.468 χ^2/NDF: 14314.4/61

In: -177.156+/-0.547 χ^2/NDF:7615.3/51

Out: -177.119+/-0.506 χ^2/NDF:13479.9/56

All: -177.136+/-0.372 χ^2/NDF: 21095.2/108



Right In: -38.183+/-0.849 χ^2/NDF: 740.7/28

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

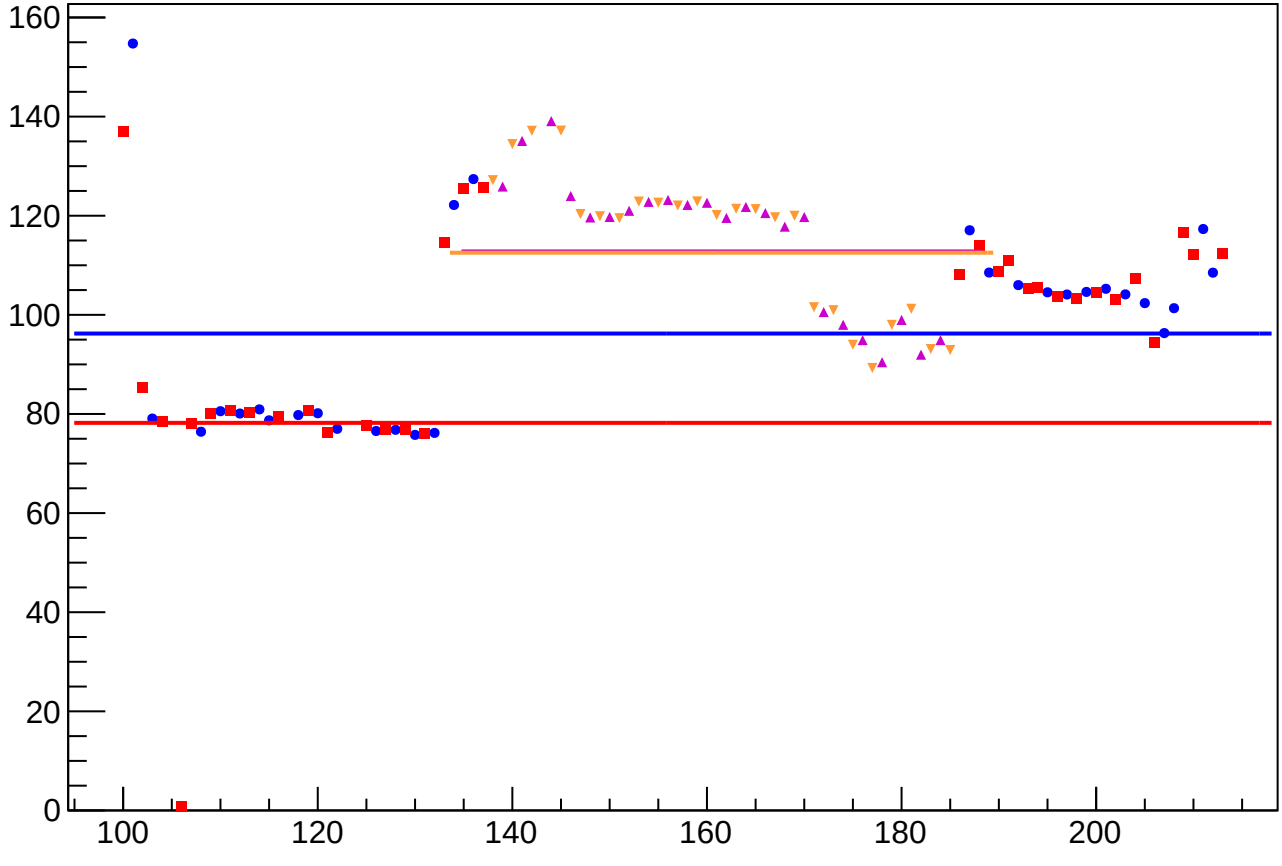
Right: -36.600+/-0.587 χ^2/NDF: 1489.1/61

In: -50.995+/-0.565 χ^2/NDF:1466.1/51

Out: -49.004+/-0.550 χ^2/NDF:1755.1/56

All: -49.973+/-0.394 χ^2/NDF: 3227.6/108

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 96.227+/-0.046 χ^2/NDF: 187965.5/28

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

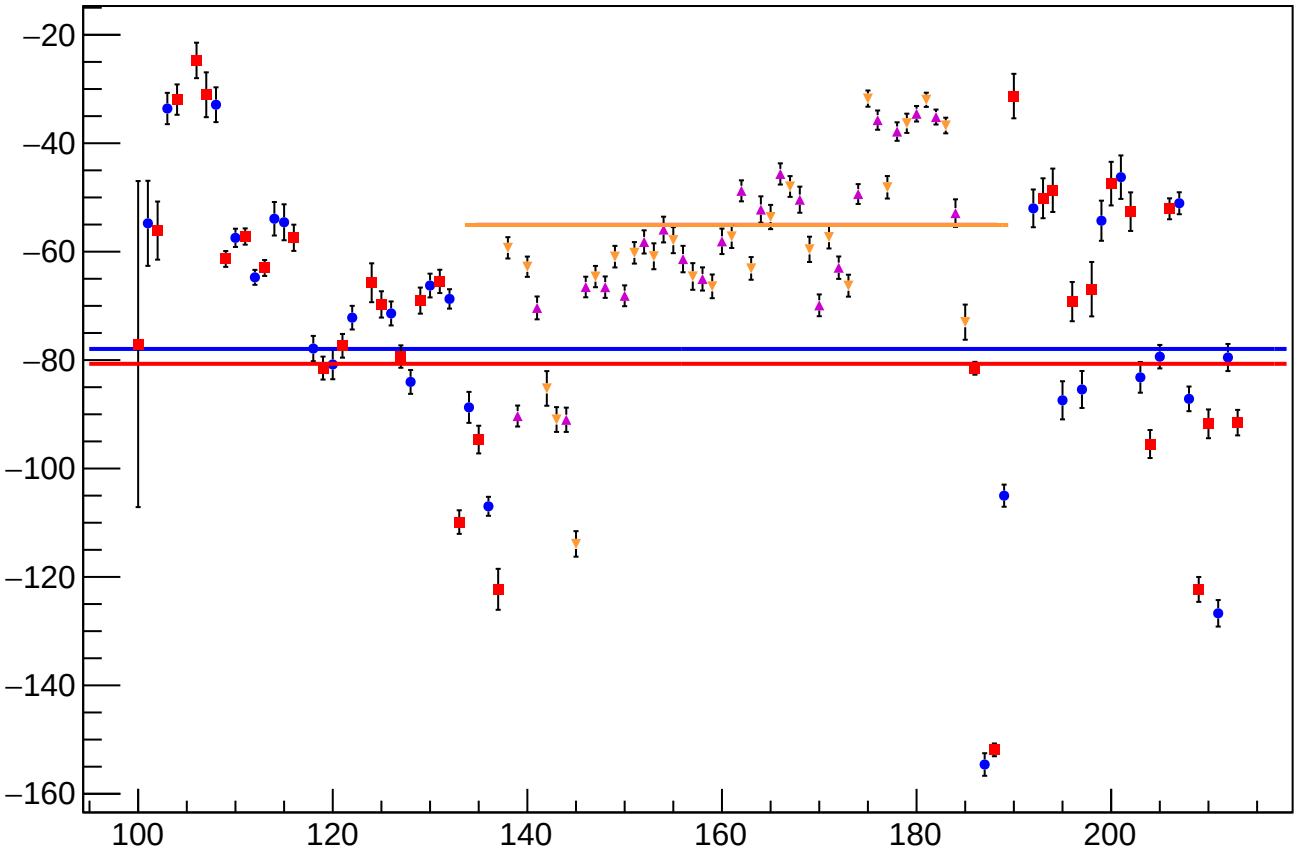
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 86.024+/-0.030 χ^2/NDF: 1188014.6/61

In: 106.830+/-0.028 χ^2/NDF:442986.1/51

Out: 97.929+/-0.026 χ^2/NDF:1506723.7/56

All: 102.158+/-0.019 χ^2/NDF: 2004510.8/108



Right In: -77.943+/-0.440 χ^2/NDF: 3456.1/28

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

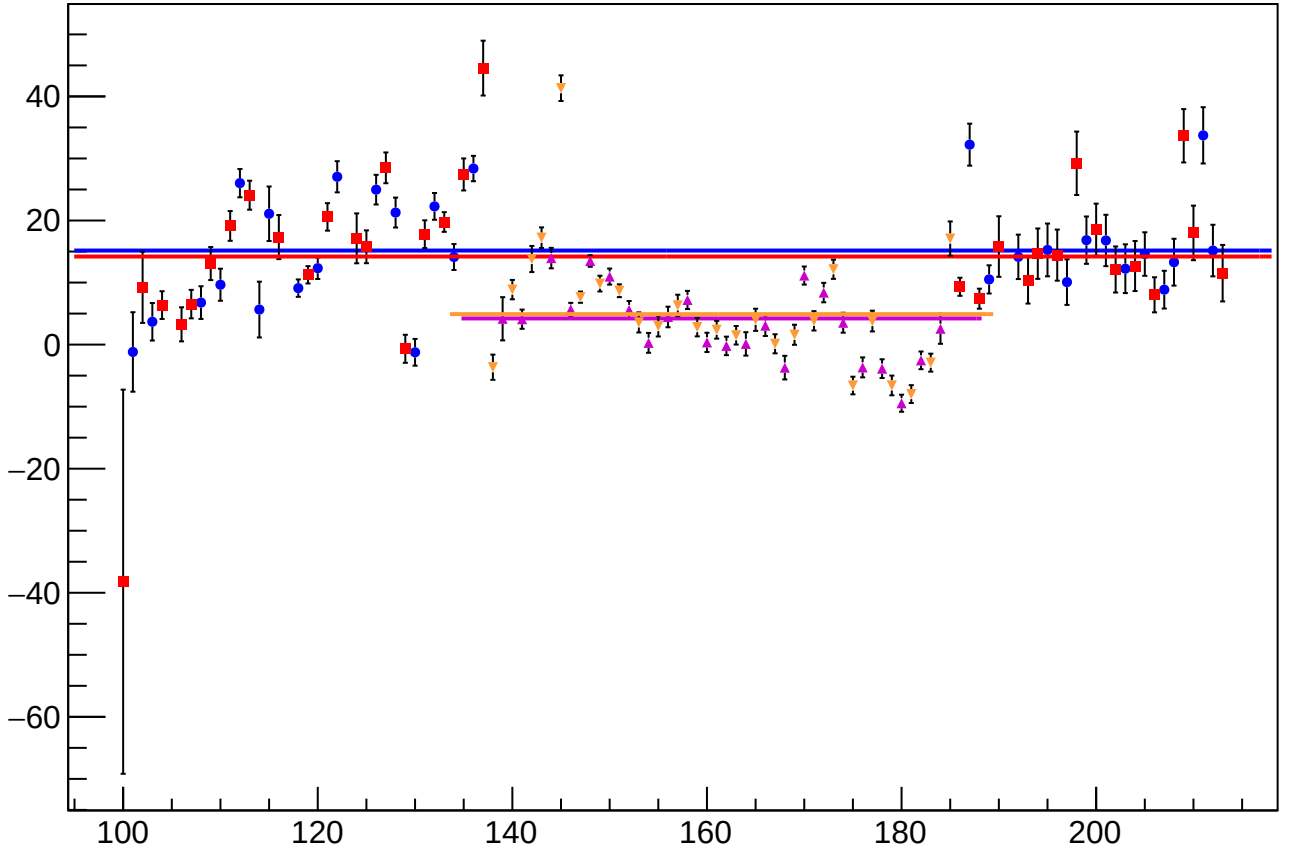
Right: -79.463+/-0.294 χ^2/NDF: 10029.6/61

In: -65.710+/-0.300 χ^2/NDF:6446.5/51

Out: -68.071+/-0.281 χ^2/NDF:10628.9/57

All: -66.967+/-0.205 χ^2/NDF: 17108.4/109

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.160+/-0.499 χ^2/NDF: 296.3/28

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

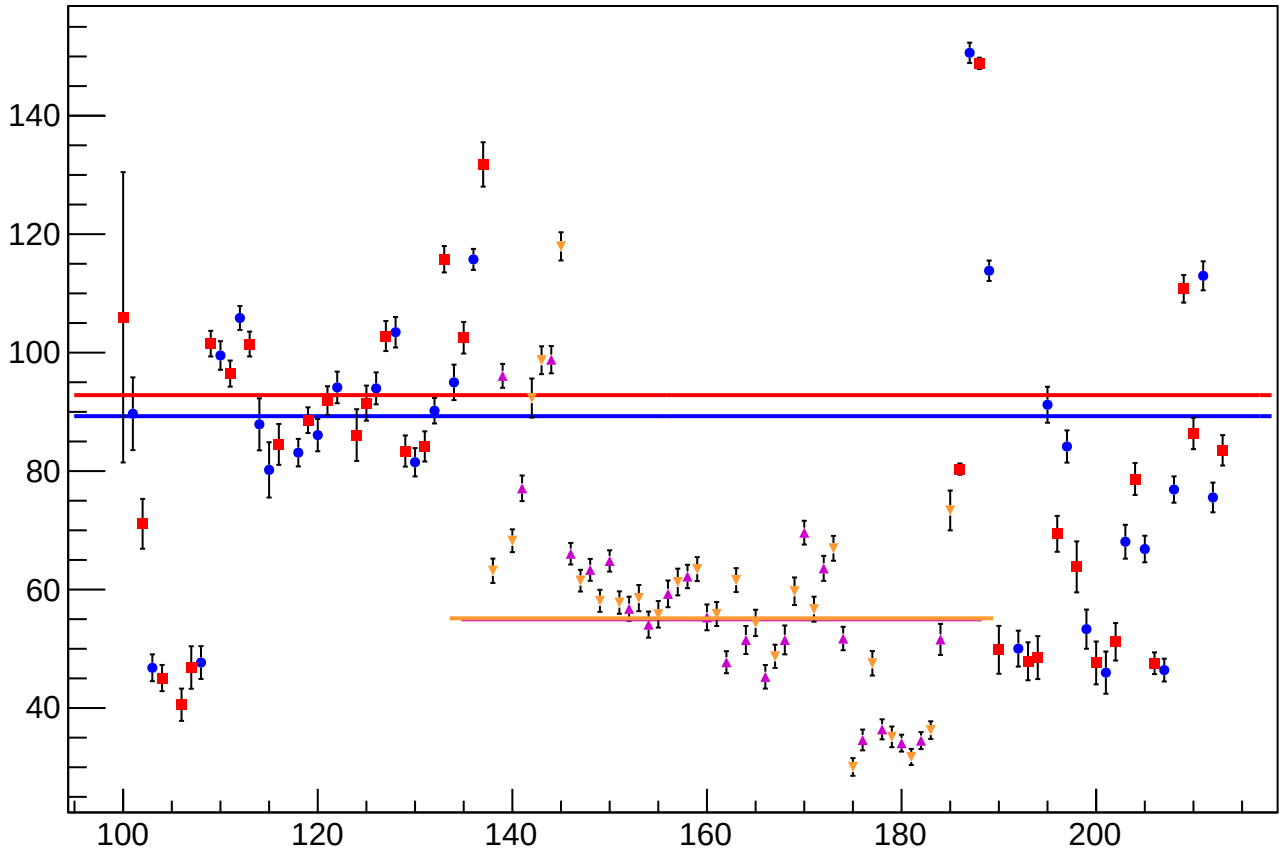
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.635+/-0.337 χ^2/NDF: 609.6/61

In: 7.293+/-0.265 χ^2/NDF:1056.7/51

Out: 7.732+/-0.251 χ^2/NDF:1341.4/57

All: 7.524+/-0.182 χ^2/NDF: 2399.5/109



Right In: 89.273+/-0.458 χ^2/NDF: 3683.5/28

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

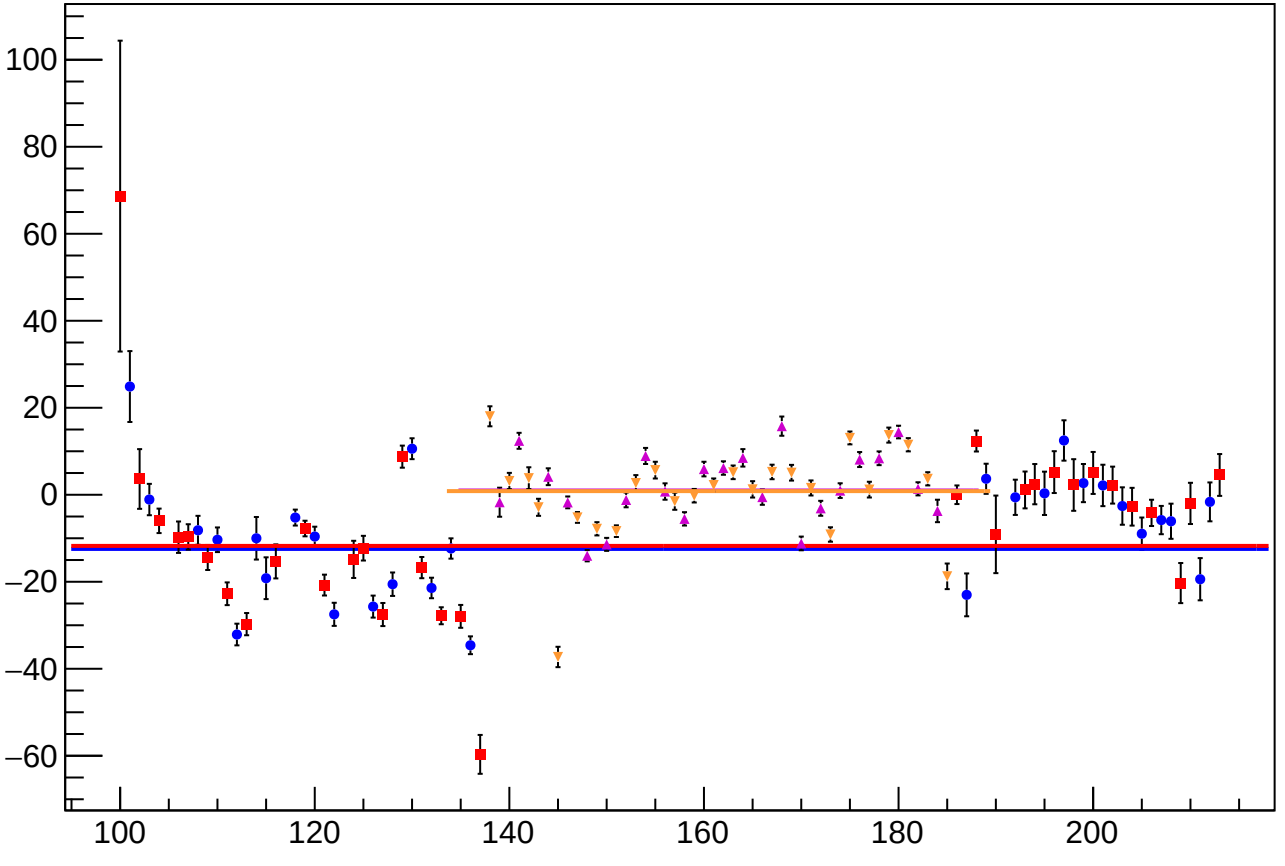
Right: 91.302+/-0.300 χ^2/NDF: 10329.4/61

In: 70.032+/-0.304 χ^2/NDF:8604.3/51

Out: 73.974+/-0.281 χ^2/NDF:13358.6/57

All: 72.158+/-0.206 χ^2/NDF: 22053.7/109

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.449+/-0.577 χ^2/NDF: 519.2/28

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

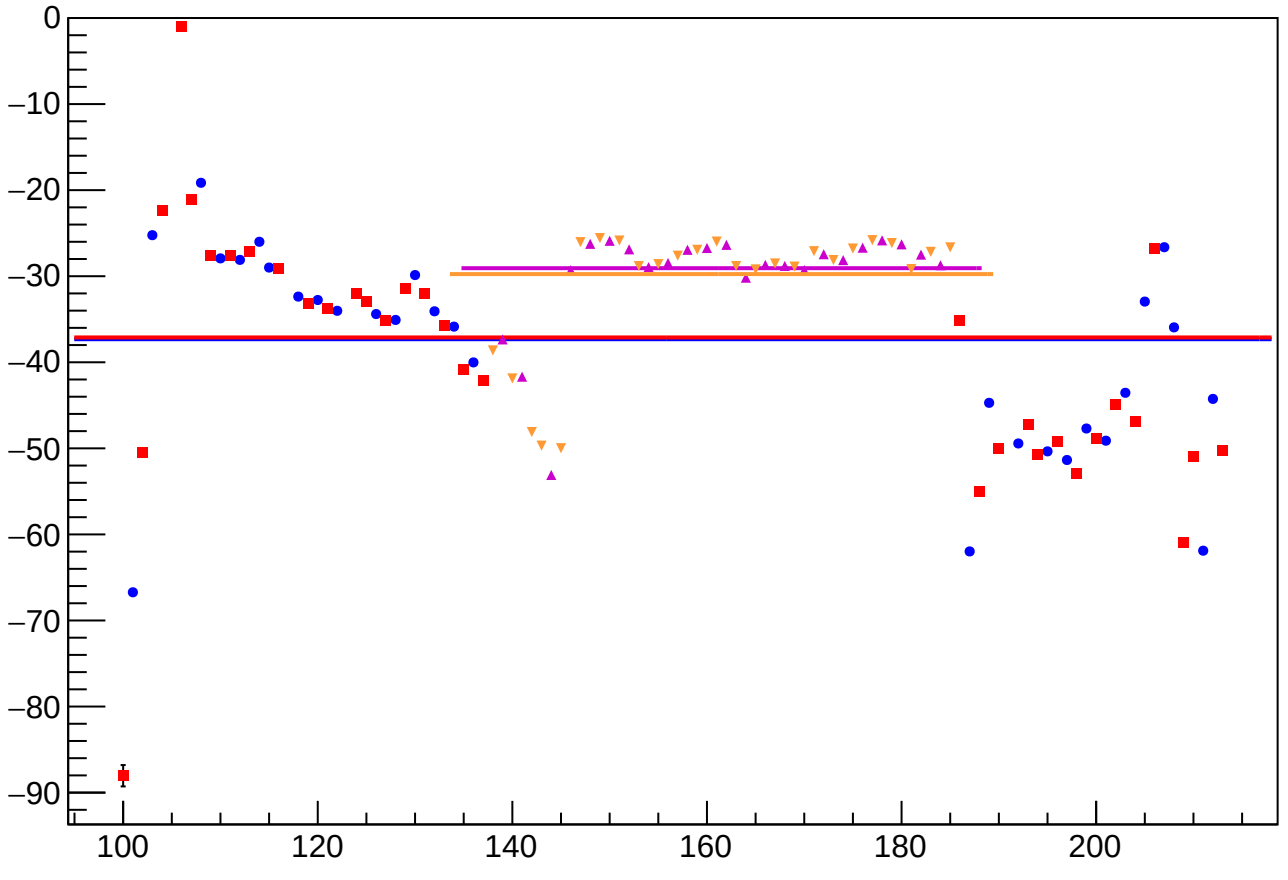
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -12.082+/-0.396 χ^2/NDF: 1169.1/61

In: -2.680+/-0.301 χ^2/NDF:1471.5/51

Out: -2.748+/-0.290 χ^2/NDF:1750.6/57

All: -2.715+/-0.209 χ^2/NDF: 3222.1/109



Right In: -37.320+/-0.029 χ^2/NDF: 132448.5/28

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

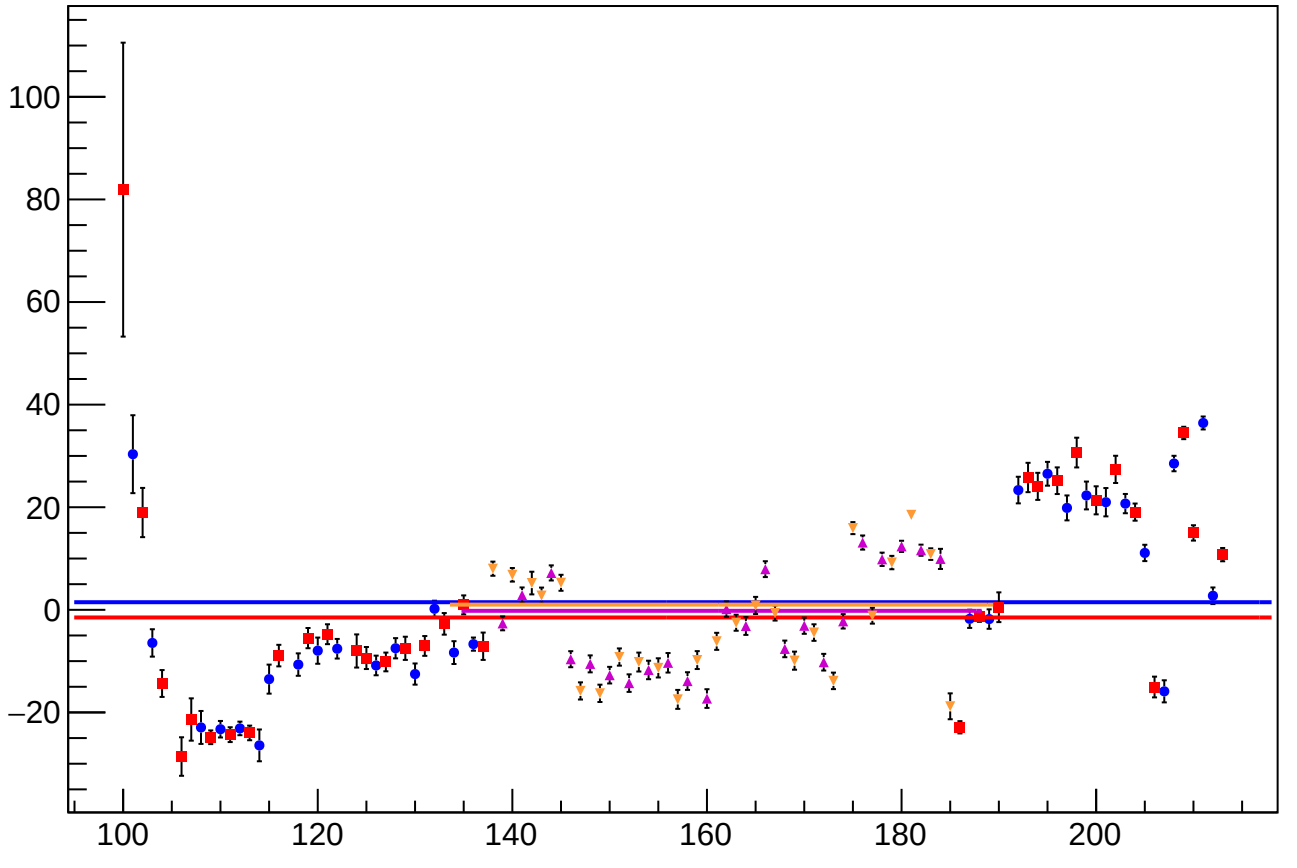
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -37.215+/-0.020 χ^2/NDF: 365341.4/61

In: -30.989+/-0.014 χ^2/NDF:297582.4/51

Out: -31.489+/-0.014 χ^2/NDF:449073.2/57

All: -31.243+/-0.010 χ^2/NDF: 747317.5/109



Right In: 1.483+/-0.359 χ^2/NDF: 2663.9/28

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

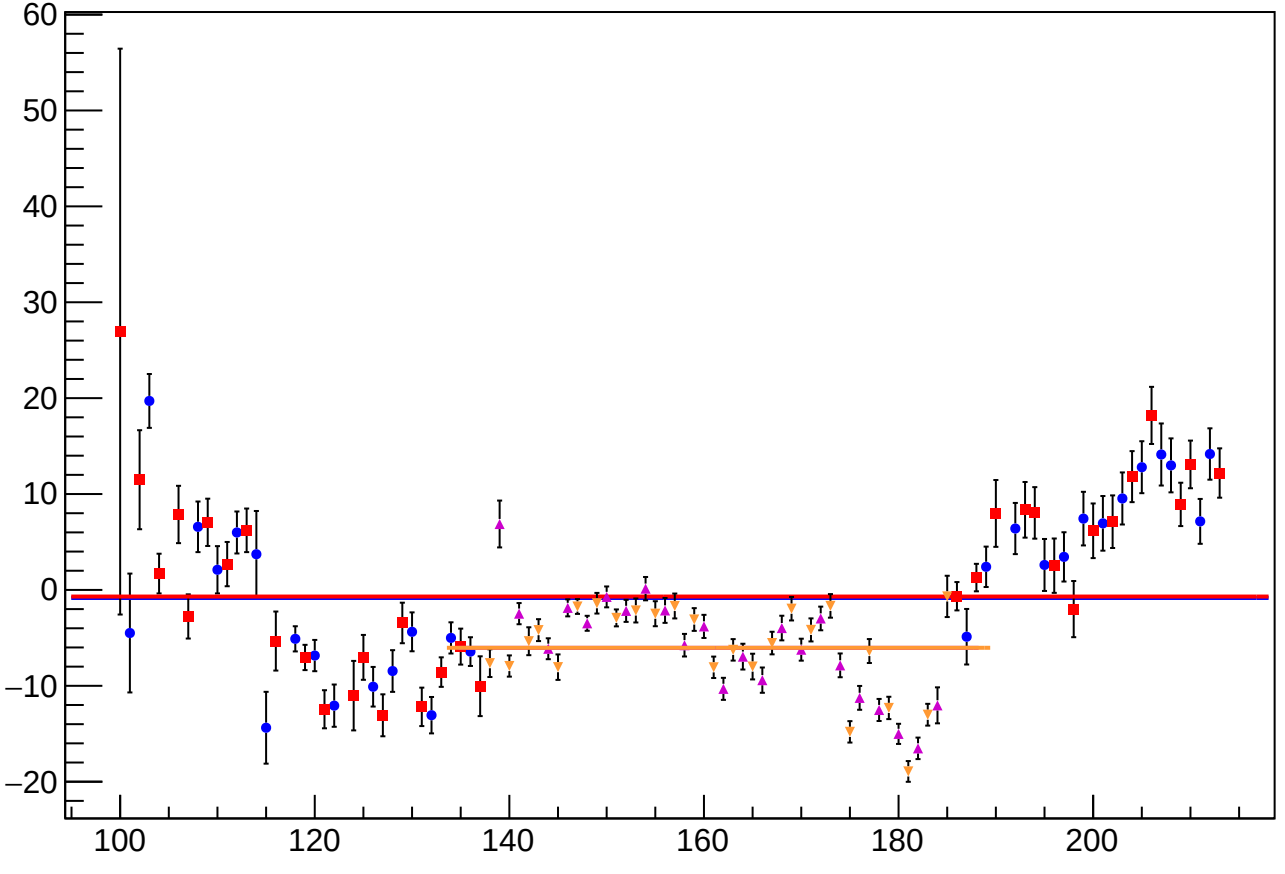
Right: -0.135+/-0.242 χ^2/NDF: 5932.9/61

In: 0.536+/-0.237 χ^2/NDF:3659.0/51

Out: -0.144+/-0.223 χ^2/NDF:4598.0/57

All: 0.177+/-0.162 χ^2/NDF: 8261.3/109

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.840+/-0.423 χ^2/NDF: 395.3/28

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

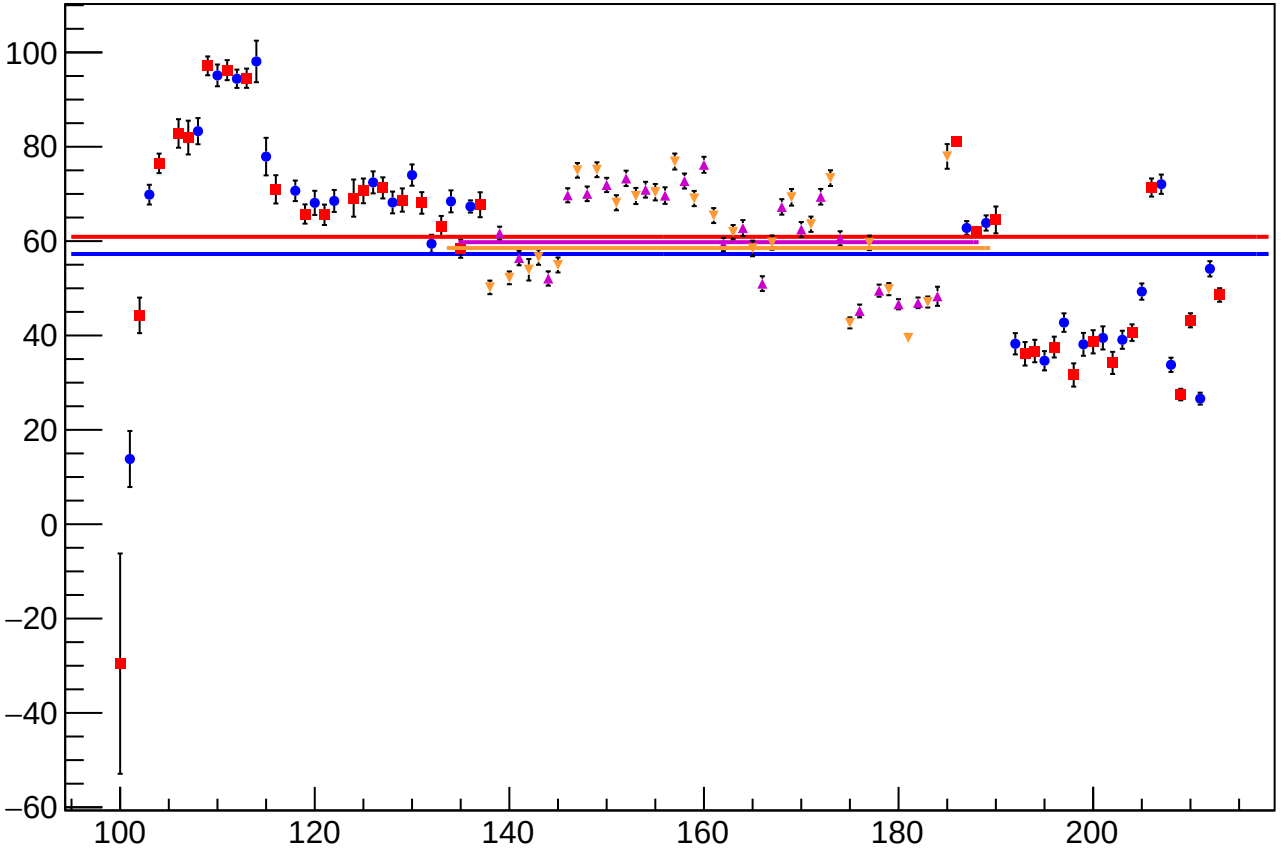
Right: -0.760+/-0.290 χ^2/NDF: 798.9/61

In: -4.755+/-0.211 χ^2/NDF:905.2/51

Out: -4.663+/-0.201 χ^2/NDF:953.3/57

All: -4.707+/-0.145 χ^2/NDF: 1858.6/109

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 57.267+/-0.370 χ^2/NDF: 2603.9/28

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

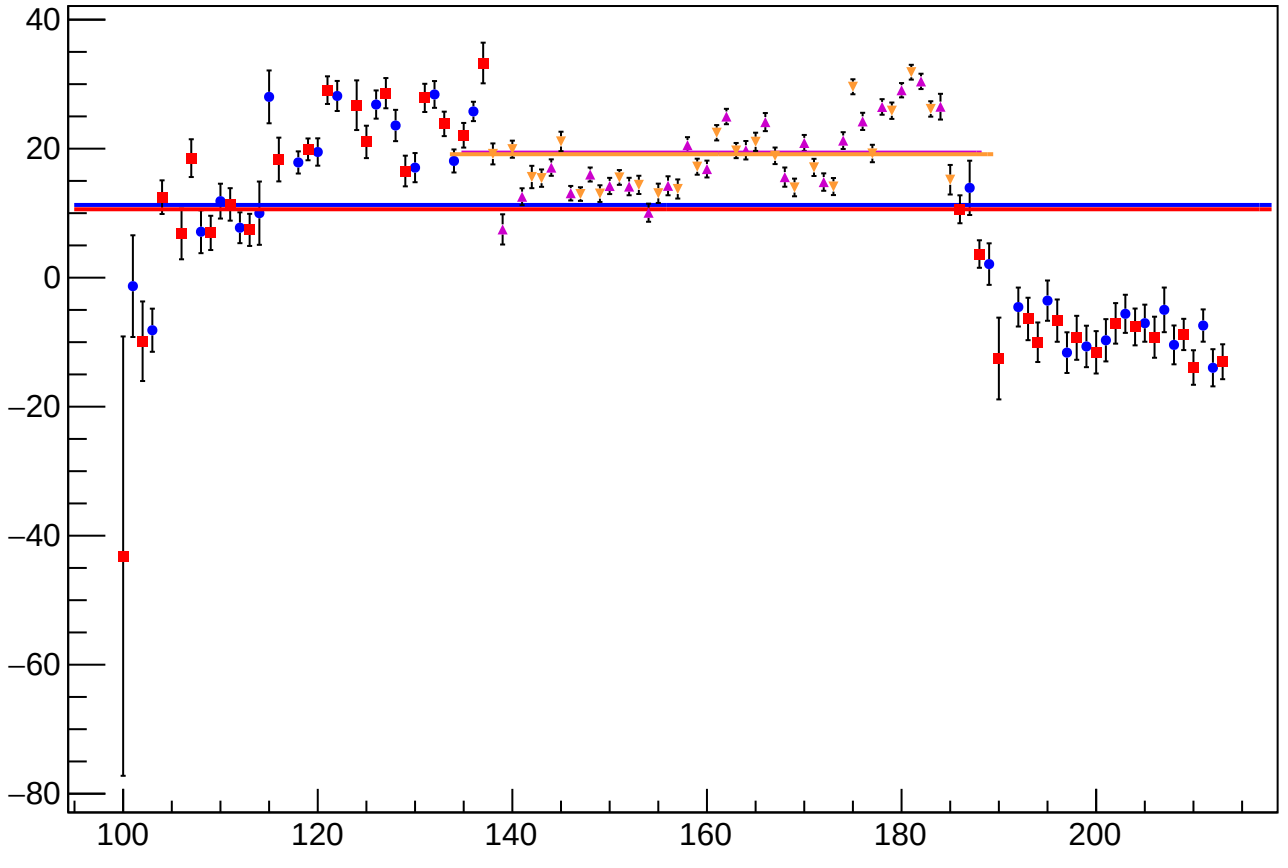
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 59.290+/-0.247 χ^2/NDF: 6044.0/61

In: 58.735+/-0.238 χ^2/NDF:3701.4/51

Out: 59.618+/-0.223 χ^2/NDF:4863.5/57

All: 59.205+/-0.163 χ^2/NDF: 8572.2/109



Right In: 11.274+/-0.483 χ^2/NDF: 876.9/28

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

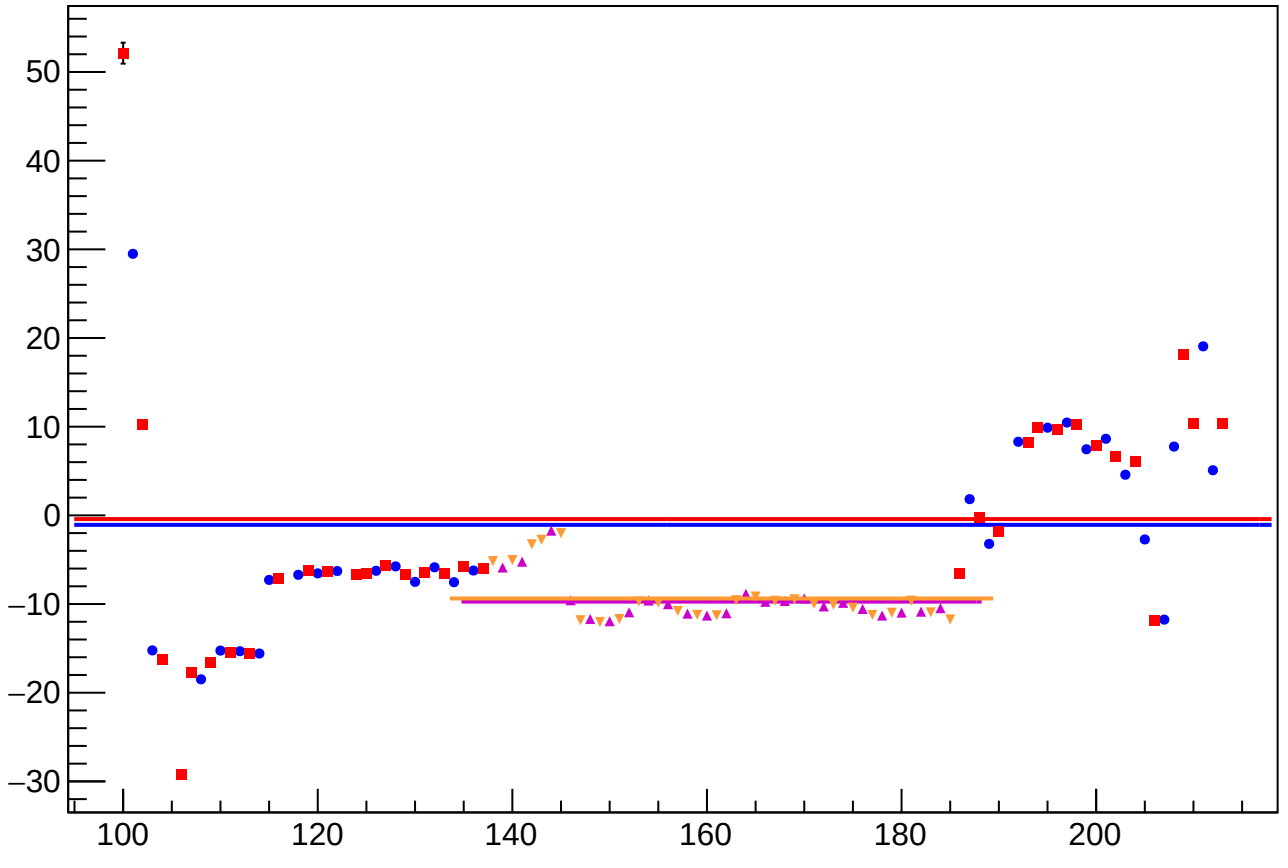
Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

Right: 10.926+/-0.335 χ^2/NDF: 1851.6/61

In: 17.419+/-0.238 χ^2/NDF:1558.3/51

Out: 17.061+/-0.230 χ^2/NDF:1661.8/57

All: 17.233+/-0.165 χ^2/NDF: 3221.3/109



Right In: -1.069+/-0.023 χ^2/NDF: 194988.8/28

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

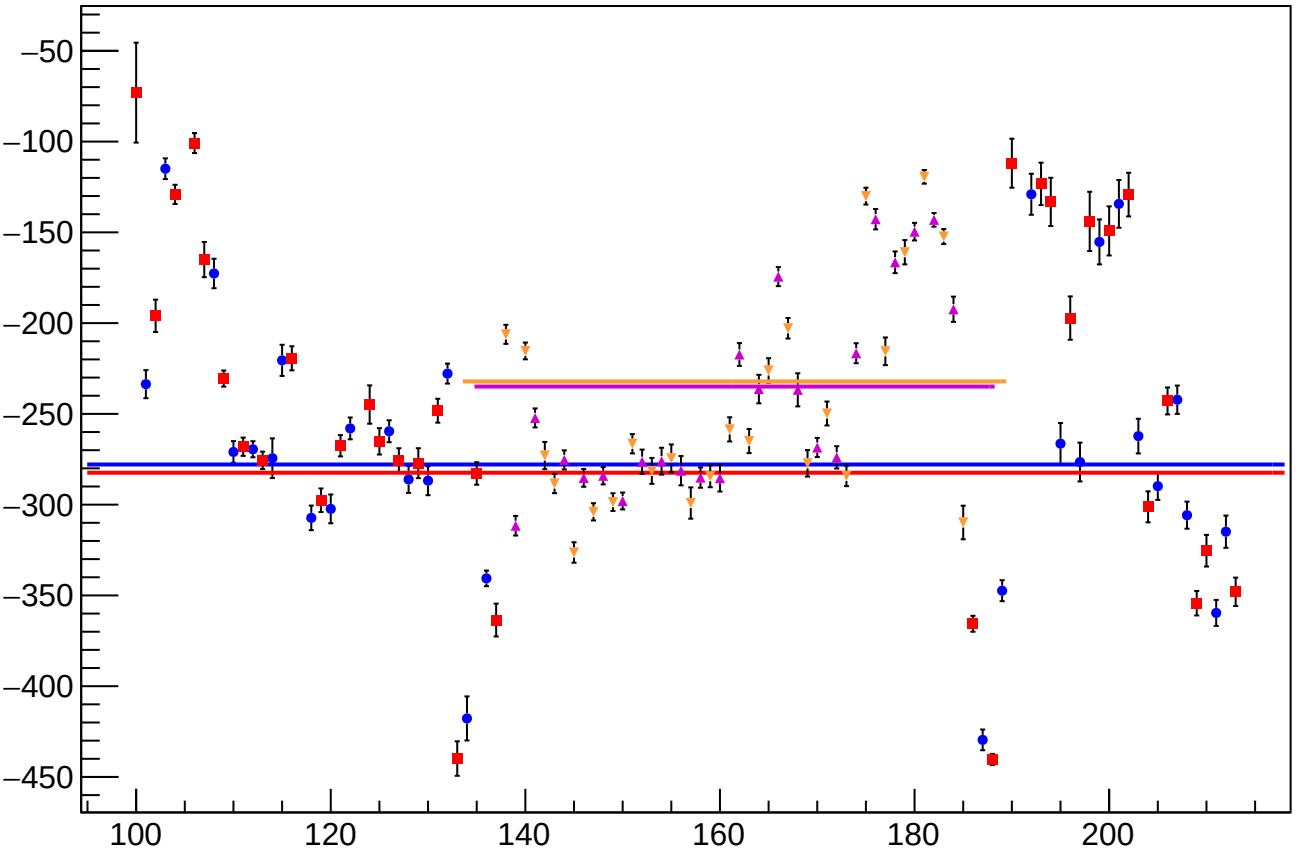
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -0.740+/-0.016 χ^2/NDF: 434143.5/61

In: -7.818+/-0.011 χ^2/NDF:339519.2/51

Out: -7.426+/-0.011 χ^2/NDF:412321.4/57

All: -7.618+/-0.007 χ^2/NDF: 752525.2/109



Right In: -277.879+/-1.317 χ^2/NDF: 2973.5/28

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

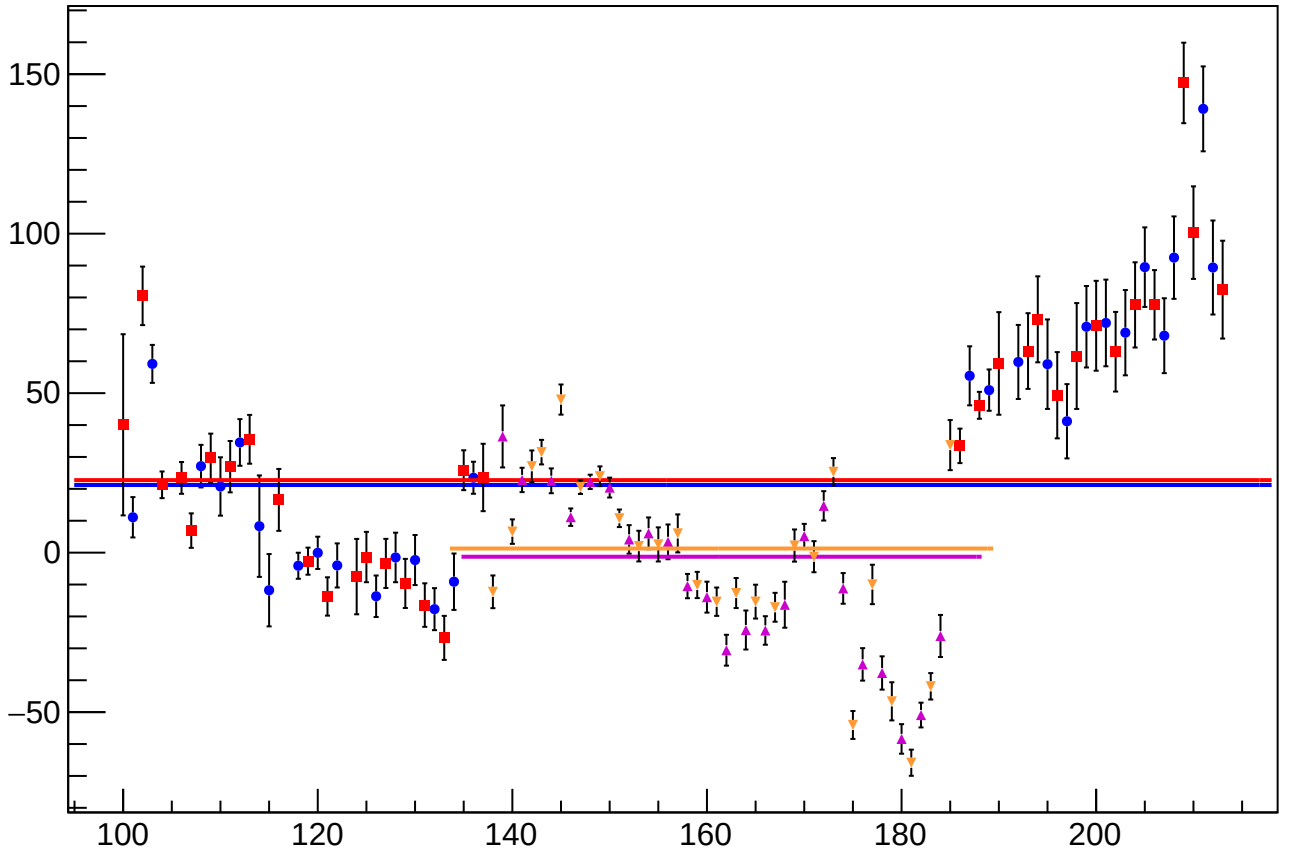
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -280.400+/-0.877 χ^2/NDF: 9961.7/61

In: -253.982+/-0.877 χ^2/NDF:6034.7/51

Out: -256.549+/-0.819 χ^2/NDF:11193.5/57

All: -255.352+/-0.599 χ^2/NDF: 17232.8/109



Right In: 21.203+/-1.455 χ^2/NDF: 493.2/28

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

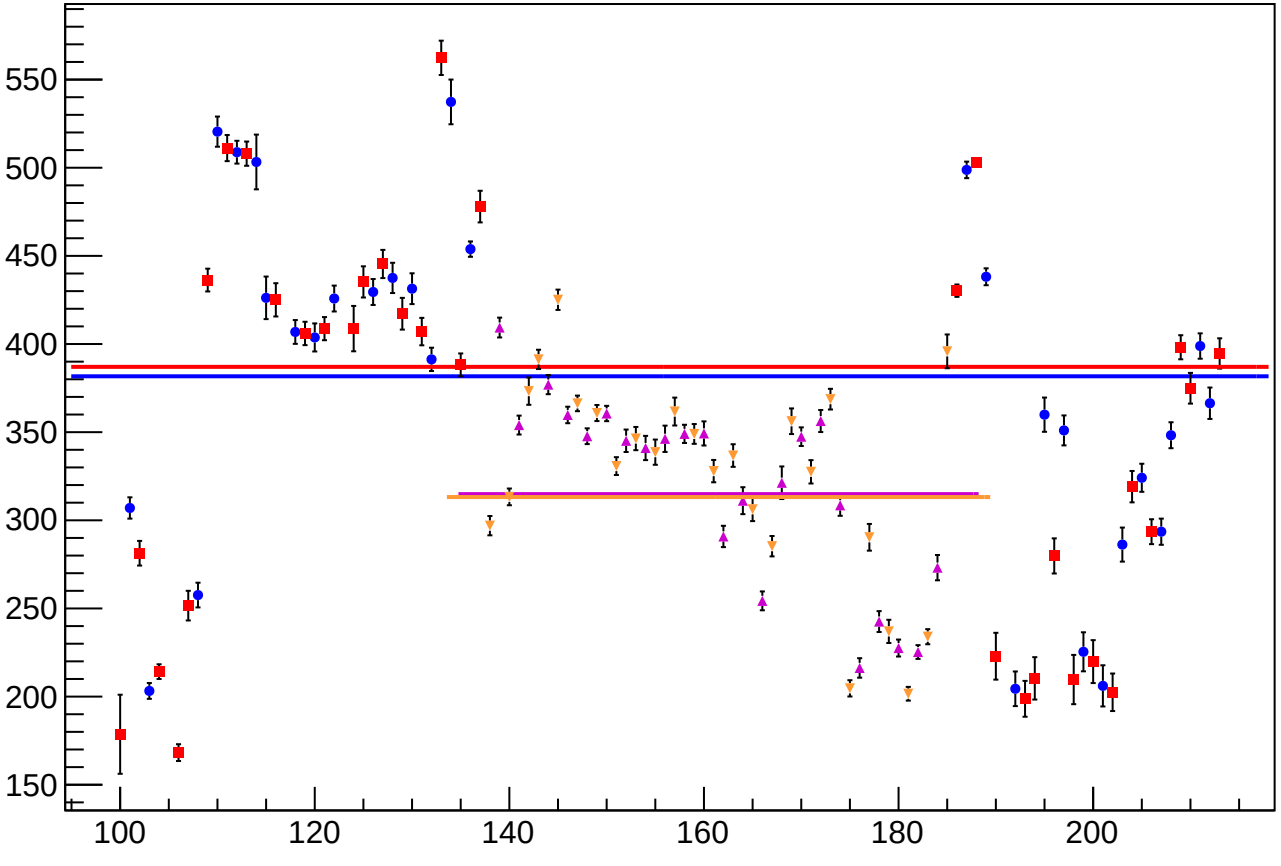
Right: 22.045+/-0.975 χ^2/NDF: 1029.8/61

In: 4.630+/-0.746 χ^2/NDF:1480.4/51

Out: 7.480+/-0.706 χ^2/NDF:1774.8/57

All: 6.133+/-0.513 χ^2/NDF: 3262.9/109

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 381.693+/-1.332 χ^2/NDF: 5229.6/28

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

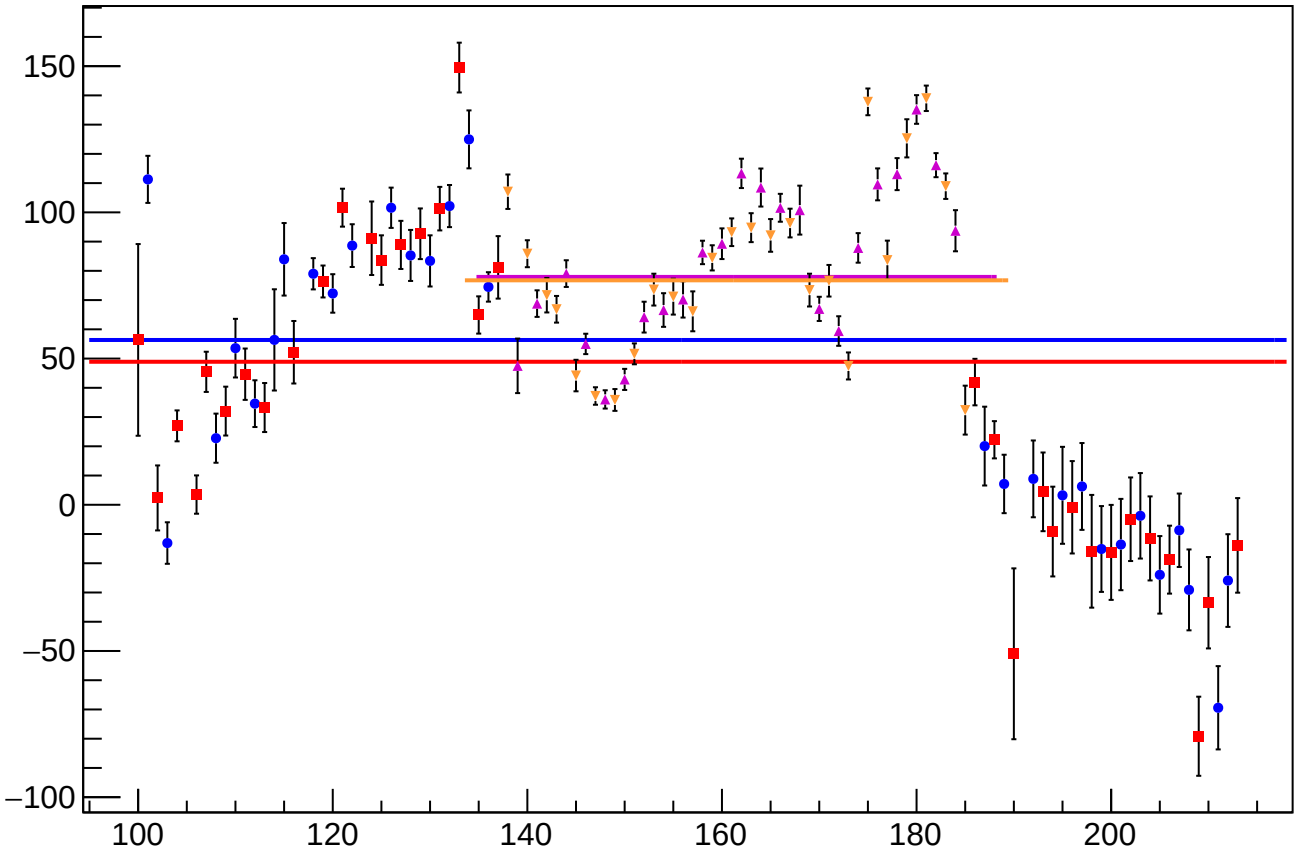
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 384.749+/-0.873 χ^2/NDF: 14940.0/61

In: 343.730+/-0.875 χ^2/NDF:9088.9/51

Out: 349.439+/-0.809 χ^2/NDF:14918.4/57

All: 346.809+/-0.594 χ^2/NDF: 24030.3/109



Right In: 56.356+/-1.698 χ^2/NDF: 712.6/28

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

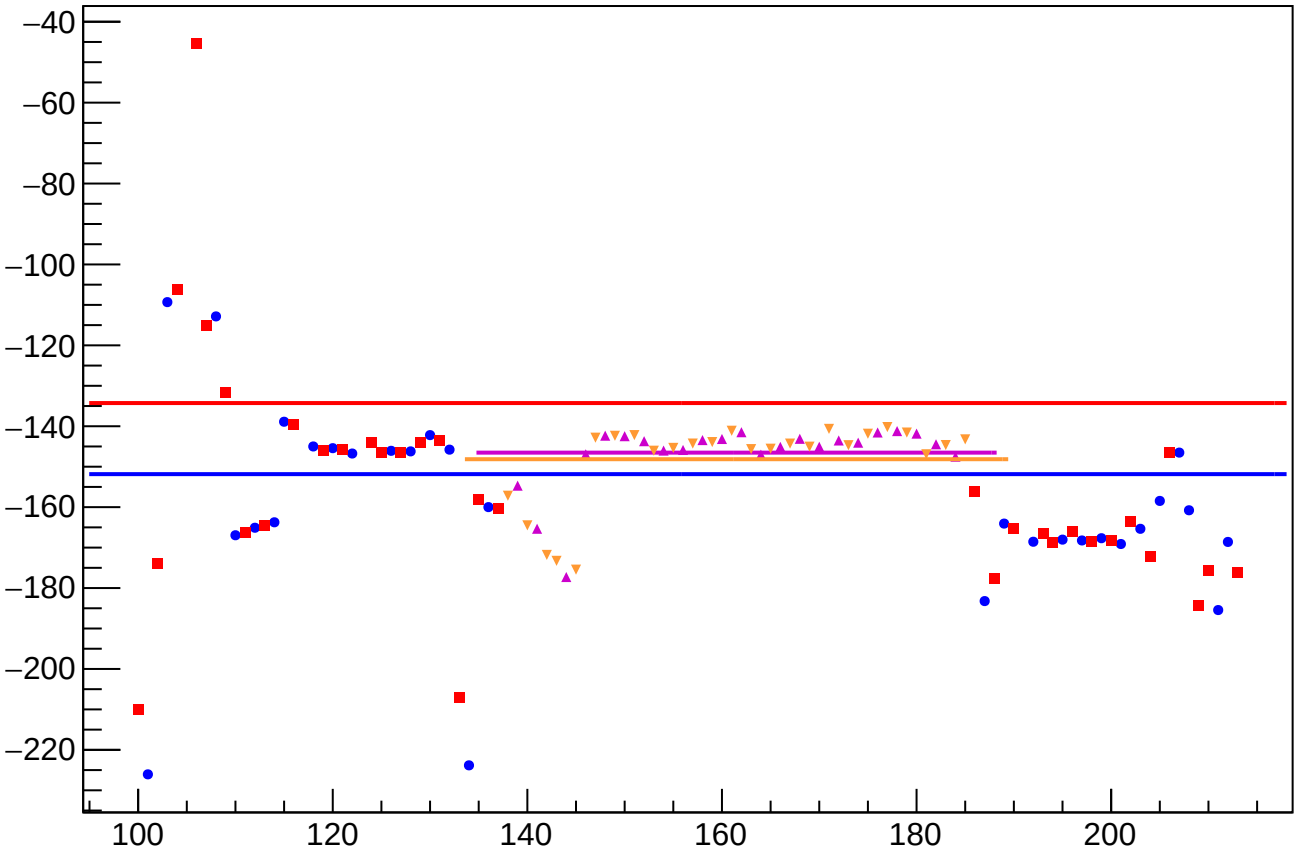
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 52.354+/-1.155 χ^2/NDF: 1477.9/61

In: 72.393+/-0.860 χ^2/NDF:1616.4/51

Out: 69.141+/-0.824 χ^2/NDF:2017.3/57

All: 70.698+/-0.595 χ^2/NDF: 3641.2/109



Right In: -151.838+/-0.081 χ^2/NDF: 149705.7/28

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

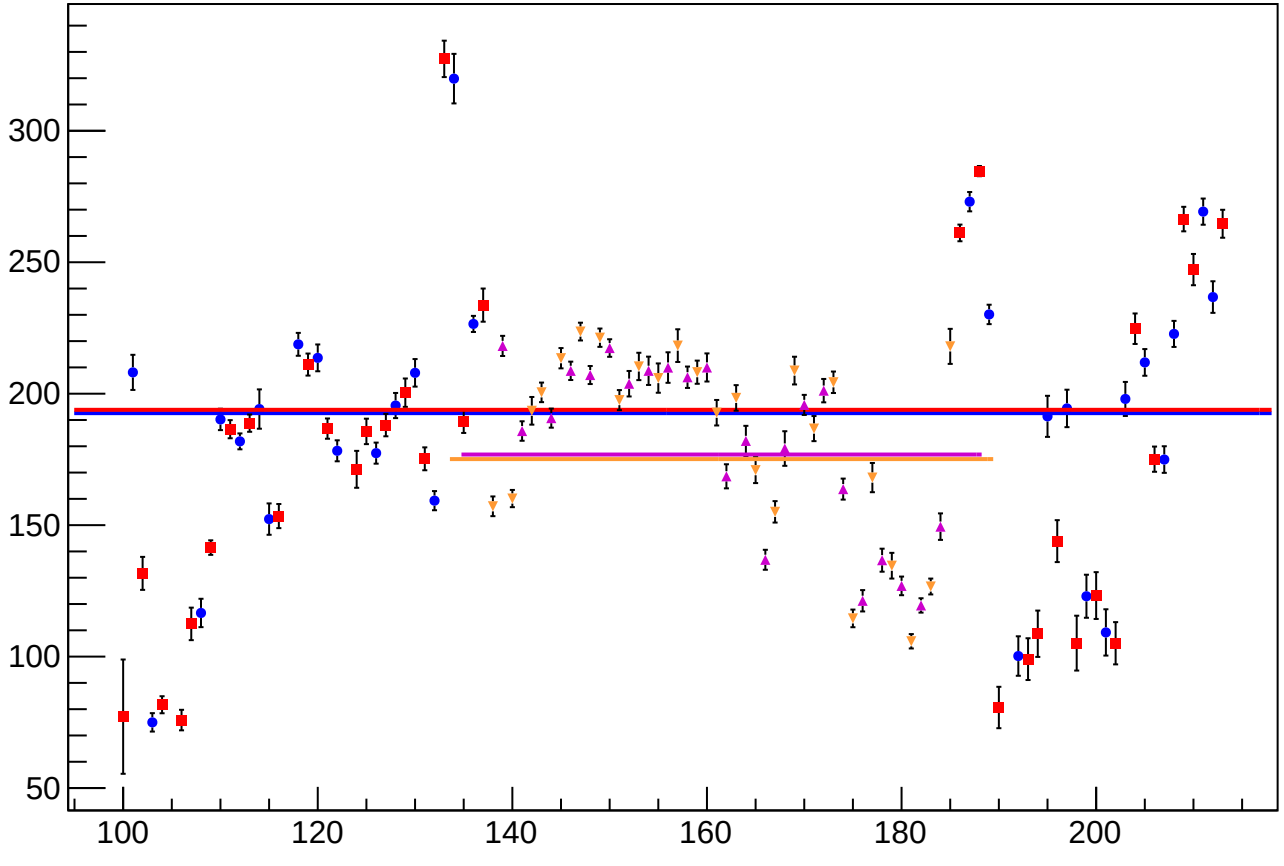
Right: -142.279+/-0.055 χ^2/NDF: 536158.9/61

In: -147.794+/-0.040 χ^2/NDF:182135.4/51

Out: -144.418+/-0.039 χ^2/NDF:435385.3/57

All: -146.055+/-0.028 χ^2/NDF: 621239.7/109

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 192.601+/-0.883 χ^2/NDF: 3119.6/28

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

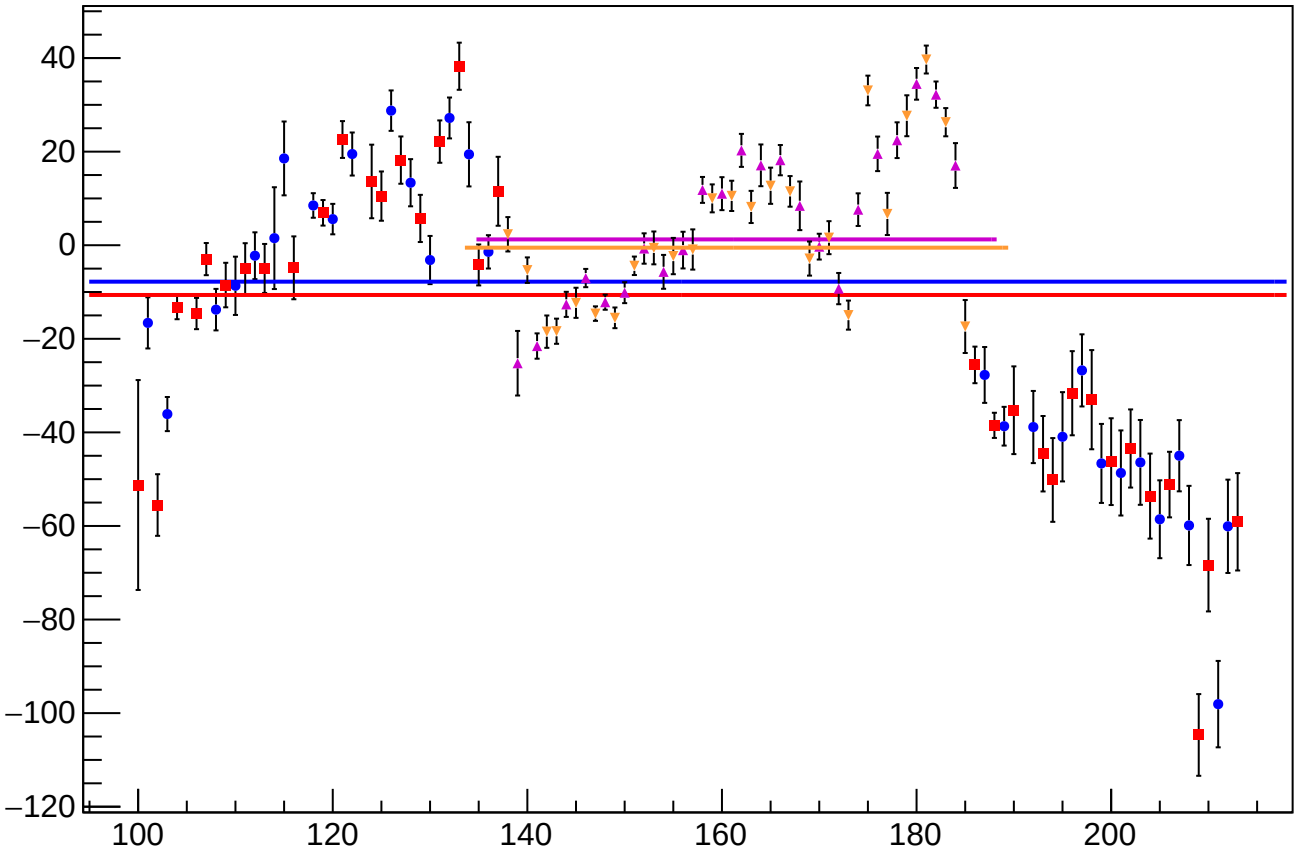
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 193.313+/-0.584 χ^2/NDF: 10380.5/61

In: 184.406+/-0.611 χ^2/NDF:5041.2/51

Out: 184.994+/-0.566 χ^2/NDF:9828.6/57

All: 184.723+/-0.415 χ^2/NDF: 14870.3/109



Right In: -7.789+/-0.973 χ^2/NDF: 724.1/28

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

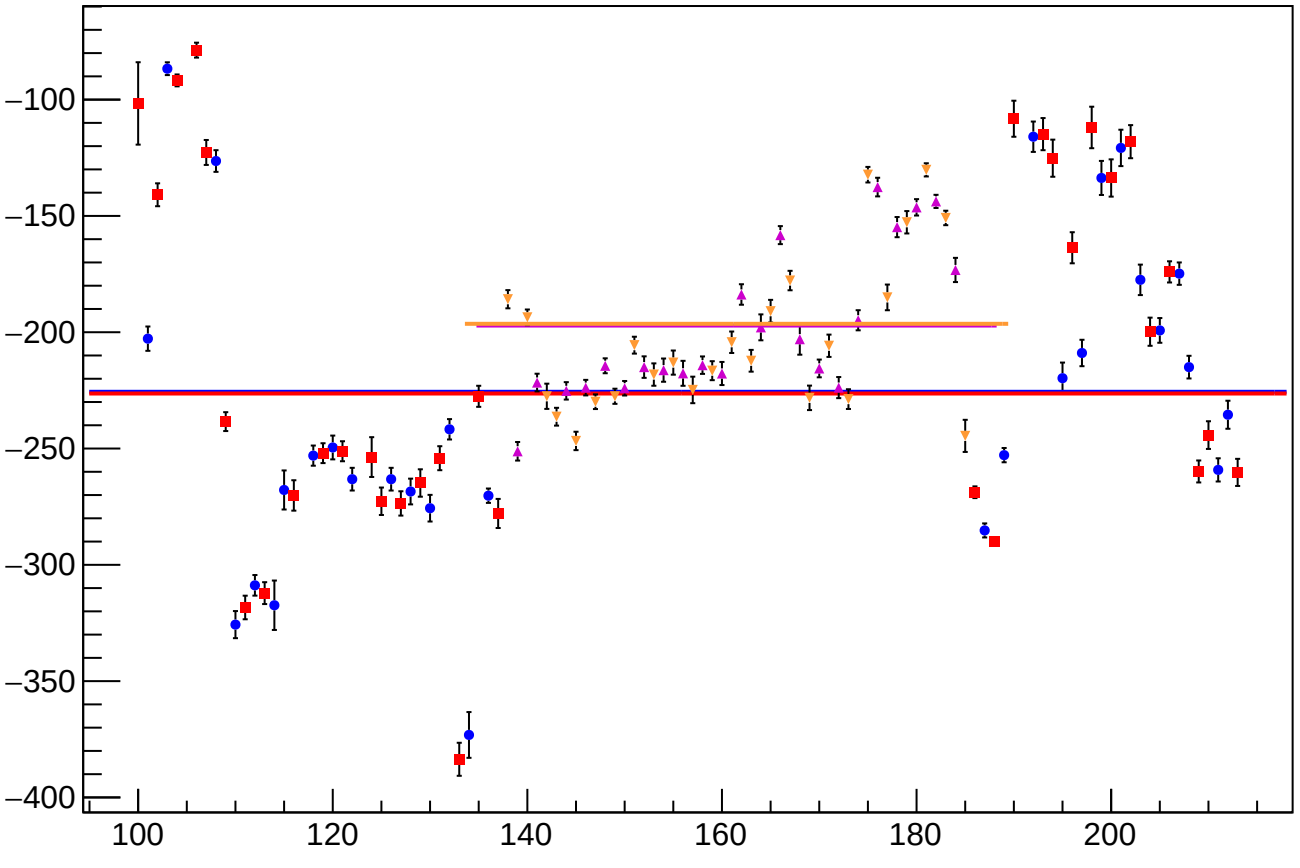
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -9.375+/-0.647 χ^2/NDF: 1562.4/61

In: -1.397+/-0.526 χ^2/NDF:1405.7/51

Out: -3.804+/-0.494 χ^2/NDF:1649.8/57

All: -2.677+/-0.360 χ^2/NDF: 3066.7/109



Right In: -225.609+/-0.890 χ^2/NDF: 5879.1/28

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

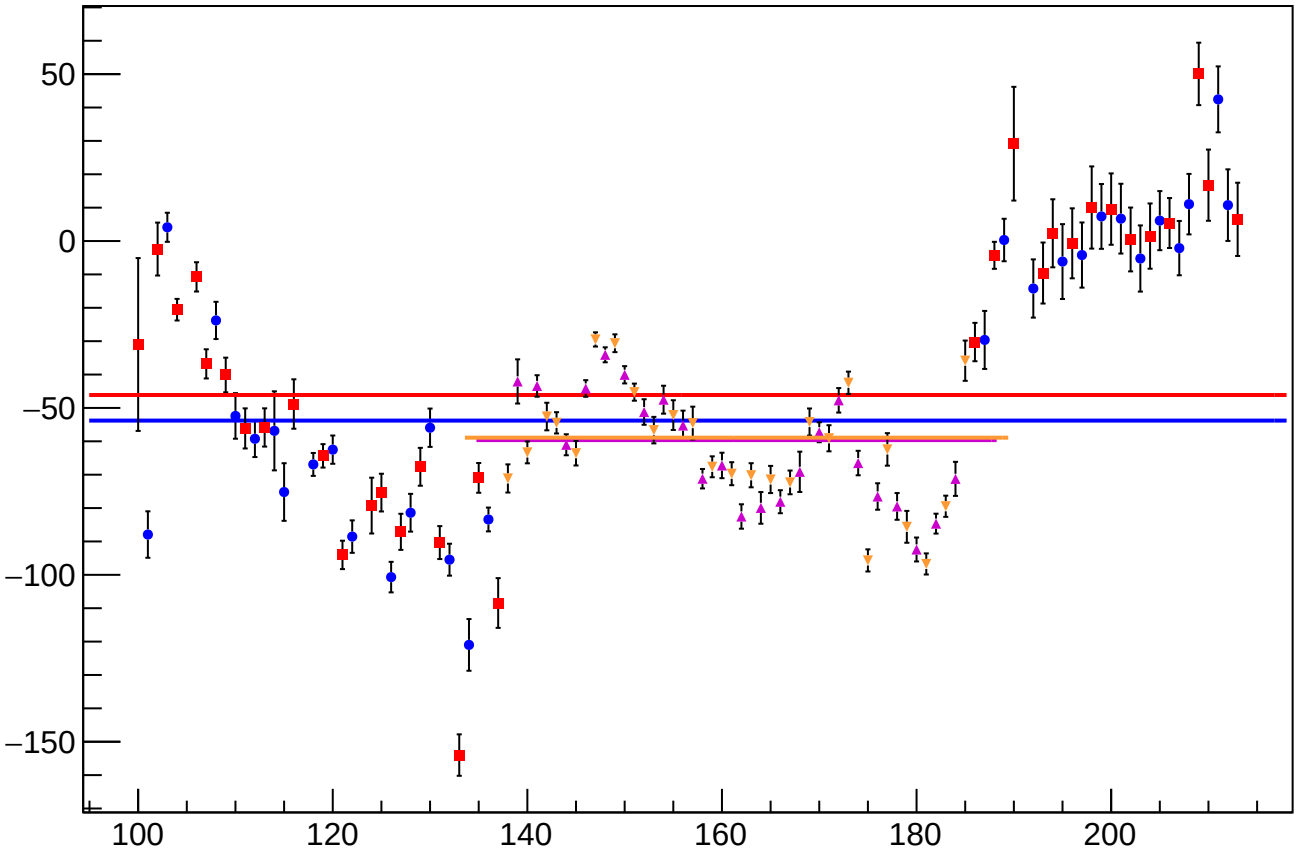
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -226.036+/-0.579 χ^2/NDF: 16530.9/61

In: -210.498+/-0.610 χ^2/NDF:8024.3/51

Out: -212.370+/-0.557 χ^2/NDF:13369.2/57

All: -211.518+/-0.411 χ^2/NDF: 21398.7/109



Right In: -53.791+/-1.139 χ^2/NDF: 1166.4/28

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

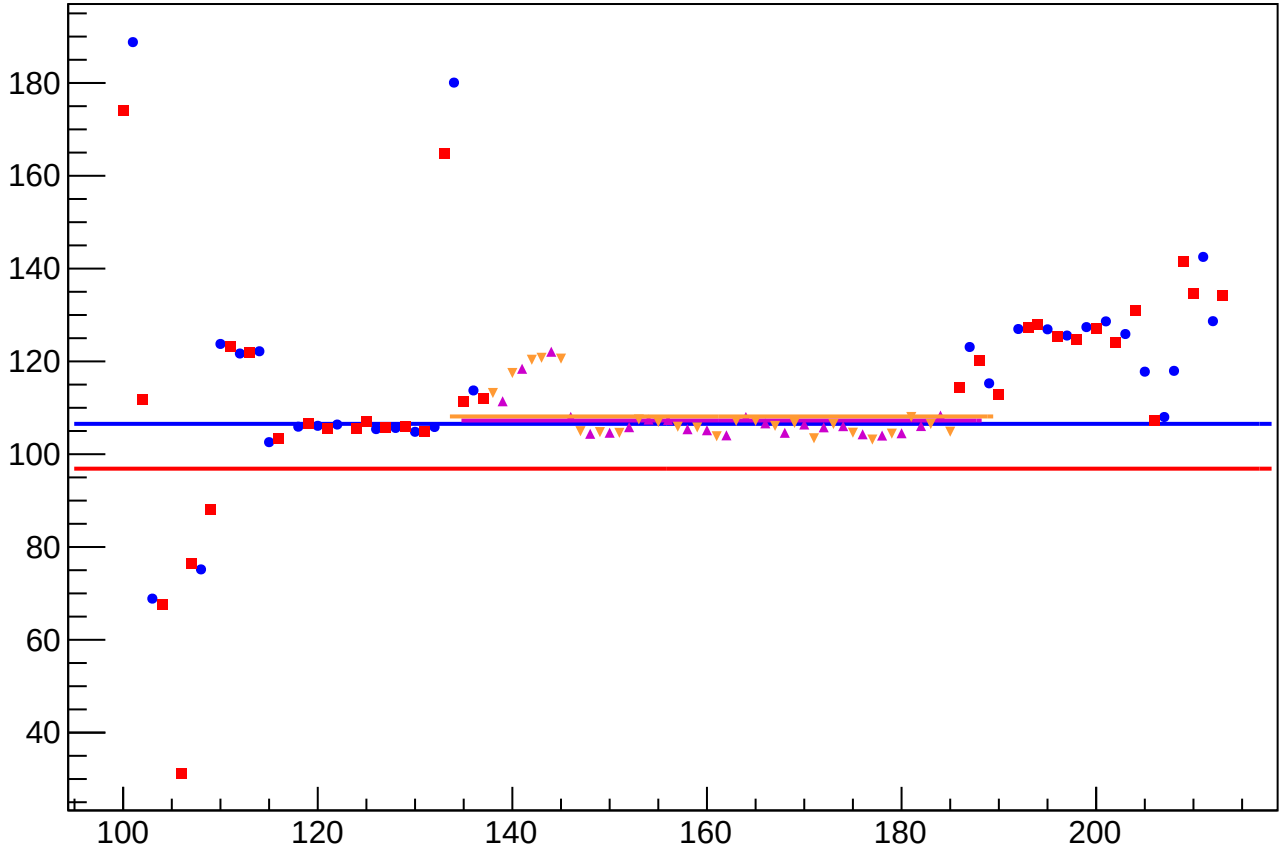
Right: -49.616+/-0.769 χ^2/NDF: 2609.9/61

In: -57.974+/-0.608 χ^2/NDF:1782.3/51

Out: -54.973+/-0.578 χ^2/NDF:2305.6/57

All: -56.398+/-0.419 χ^2/NDF: 4100.7/109

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 106.540+/-0.054 χ^2/NDF: 281795.9/28

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

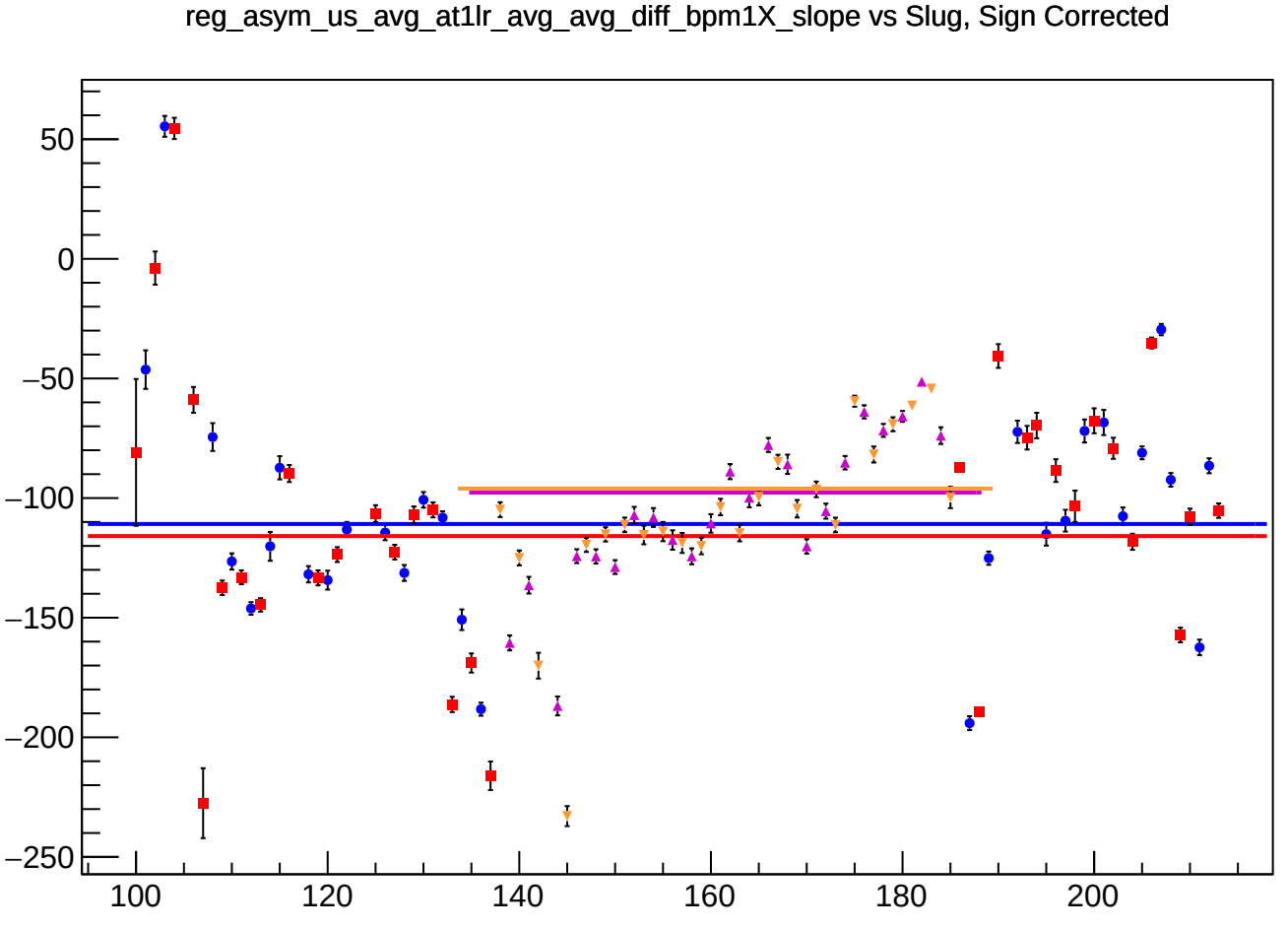
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 101.335+/-0.037 χ^2/NDF: 707679.1/61

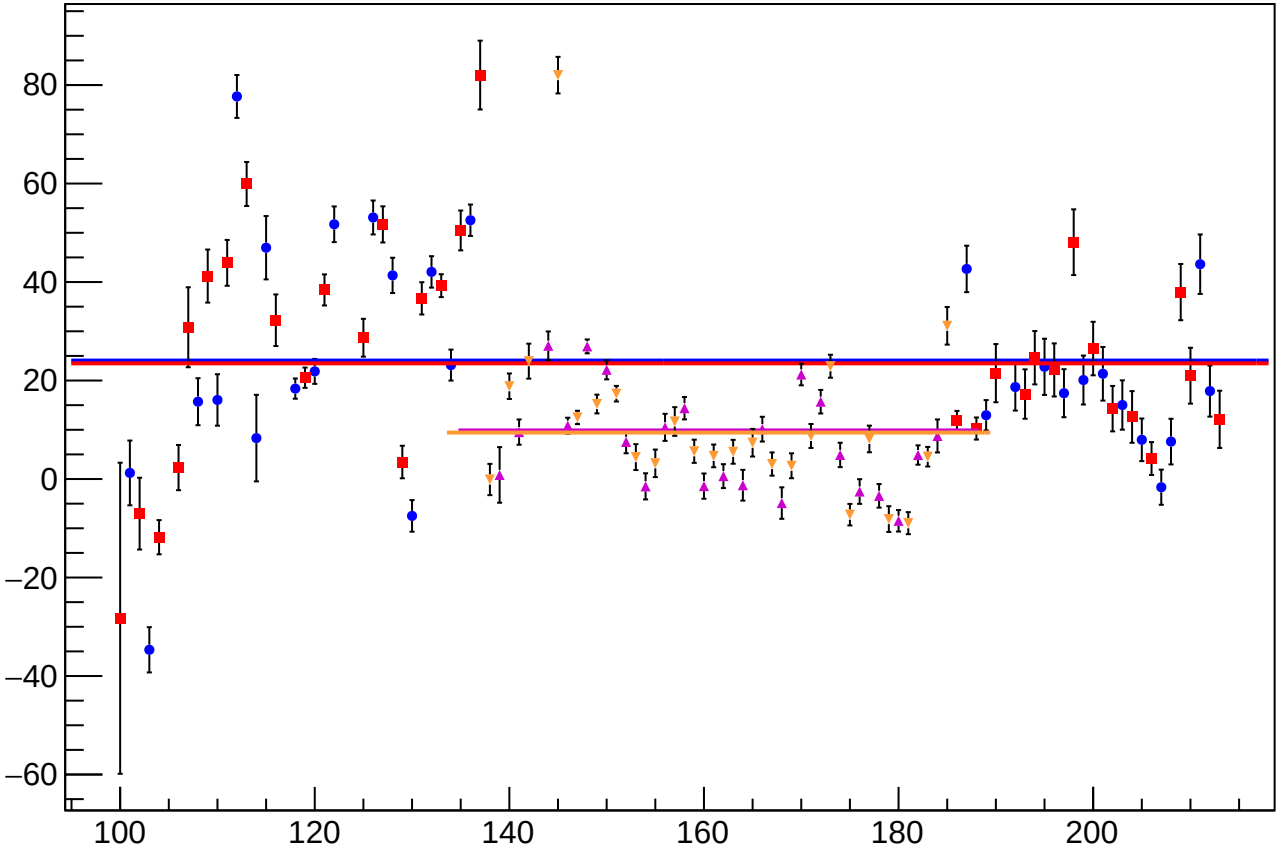
In: 107.071+/-0.028 χ^2/NDF:298806.2/51

Out: 104.817+/-0.027 χ^2/NDF:470687.0/57

All: 105.910+/-0.020 χ^2/NDF: 772812.7/109


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -110.833+/-0.640 χ²/NDF: 5500.4/28
Left Out: -96.026+/-0.635 χ²/NDF:2770.9/23
Right Out: -115.897+/-0.587 χ²/NDF: 7515.7/31
Left In: -97.713+/-0.639 χ²/NDF:2640.9/22
Left: -96.865+/-0.450 χ²/NDF: 5415.3/46
Right: -113.586+/-0.433 χ²/NDF: 13050.1/60
In: -104.254+/-0.452 χ²/NDF:8351.7/51
Out: -106.741+/-0.431 χ²/NDF:10814.9/55
All: -105.557+/-0.312 χ²/NDF: 19182.5/107

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 24.052+/-0.727 χ^2/NDF: 844.3/28

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

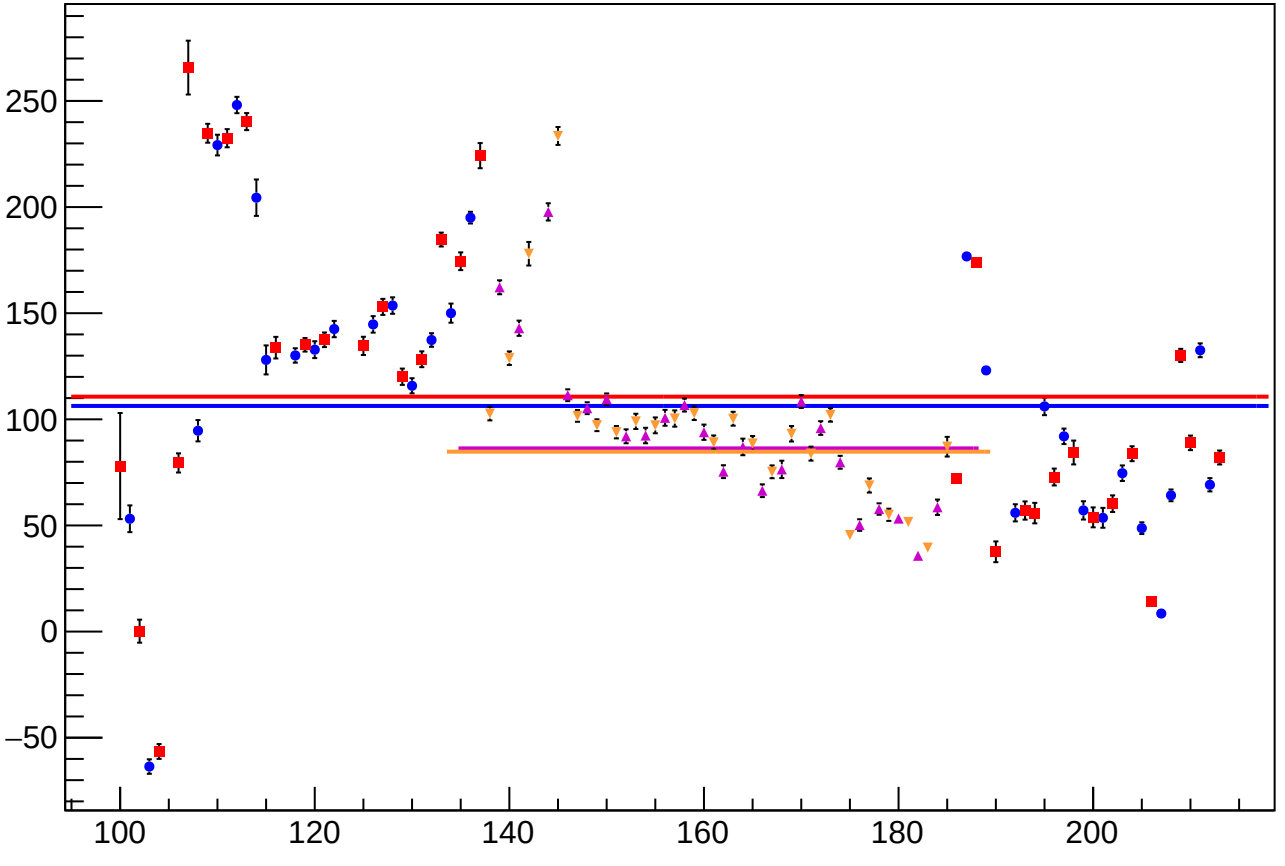
Right: 23.754+/-0.497 χ^2/NDF: 1524.4/60

In: 14.254+/-0.404 χ^2/NDF:1592.8/51

Out: 14.085+/-0.391 χ^2/NDF:1702.0/55

All: 14.167+/-0.281 χ^2/NDF: 3294.8/107

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 106.301+/-0.648 χ^2/NDF: 10516.1/28

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

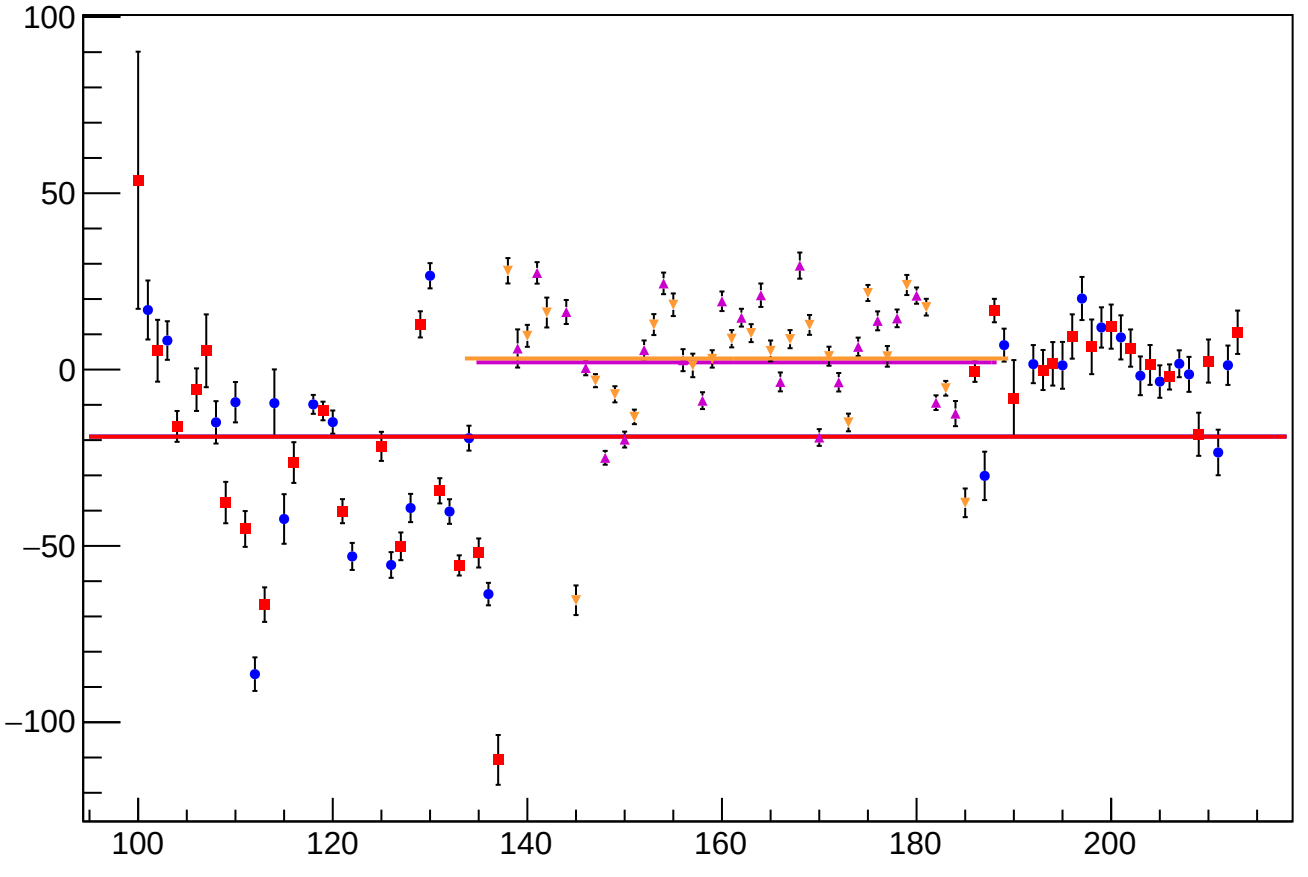
Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

Right: 108.770+/-0.428 χ^2/NDF: 23799.5/60

In: 96.047+/-0.452 χ^2/NDF:14157.2/51

Out: 98.999+/-0.422 χ^2/NDF:17300.6/55

All: 97.624+/-0.309 χ^2/NDF: 31480.6/107



Right In: -18.978+/-0.842 χ^2/NDF: 1096.4/28

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

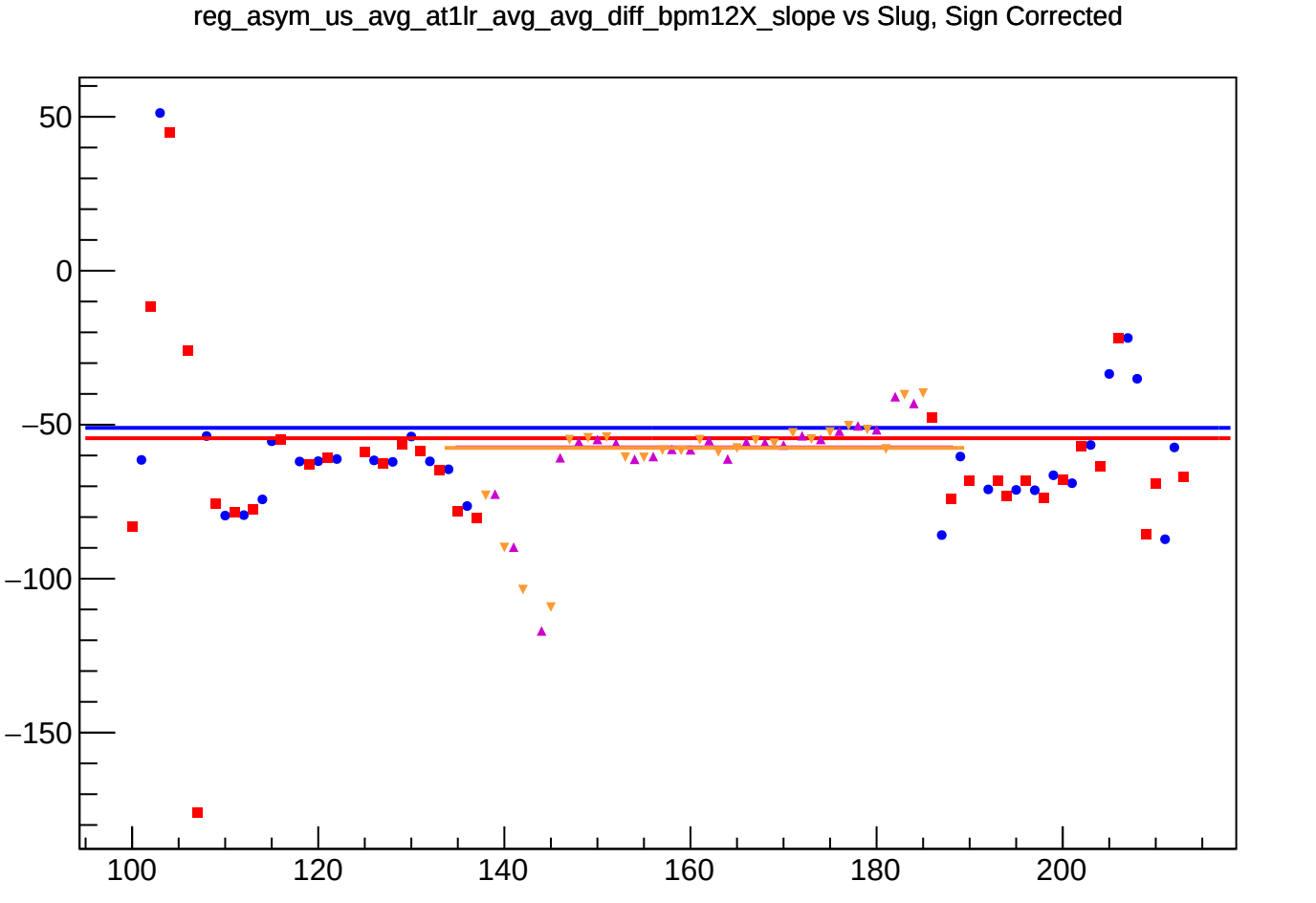
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -19.004+/-0.585 χ^2/NDF: 2175.4/60

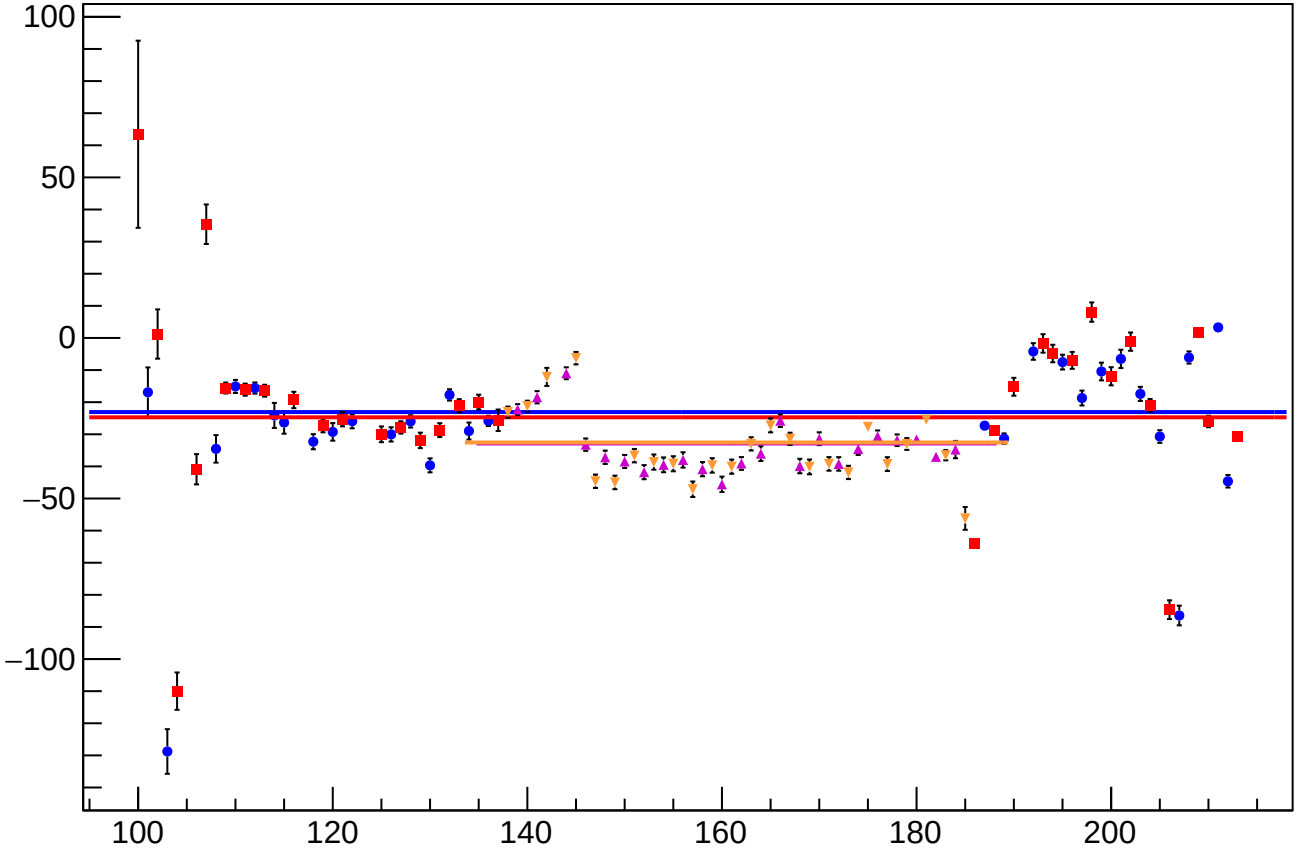
In: -4.252+/-0.461 χ^2/NDF:2383.6/51

Out: -3.692+/-0.452 χ^2/NDF:2406.4/55

All: -3.967+/-0.323 χ^2/NDF: 4790.8/107


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: -51.029+/-0.040 χ²/NDF: 718930.4/28
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: -52.711+/-0.029 χ²/NDF: 1359202.1/60
In: -55.647+/-0.021 χ²/NDF:963981.7/51
Out: -56.674+/-0.021 χ²/NDF:908251.6/55
All: -56.161+/-0.015 χ²/NDF: 1873413.8/107

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.082+/-0.407 χ^2/NDF: 1517.5/28

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

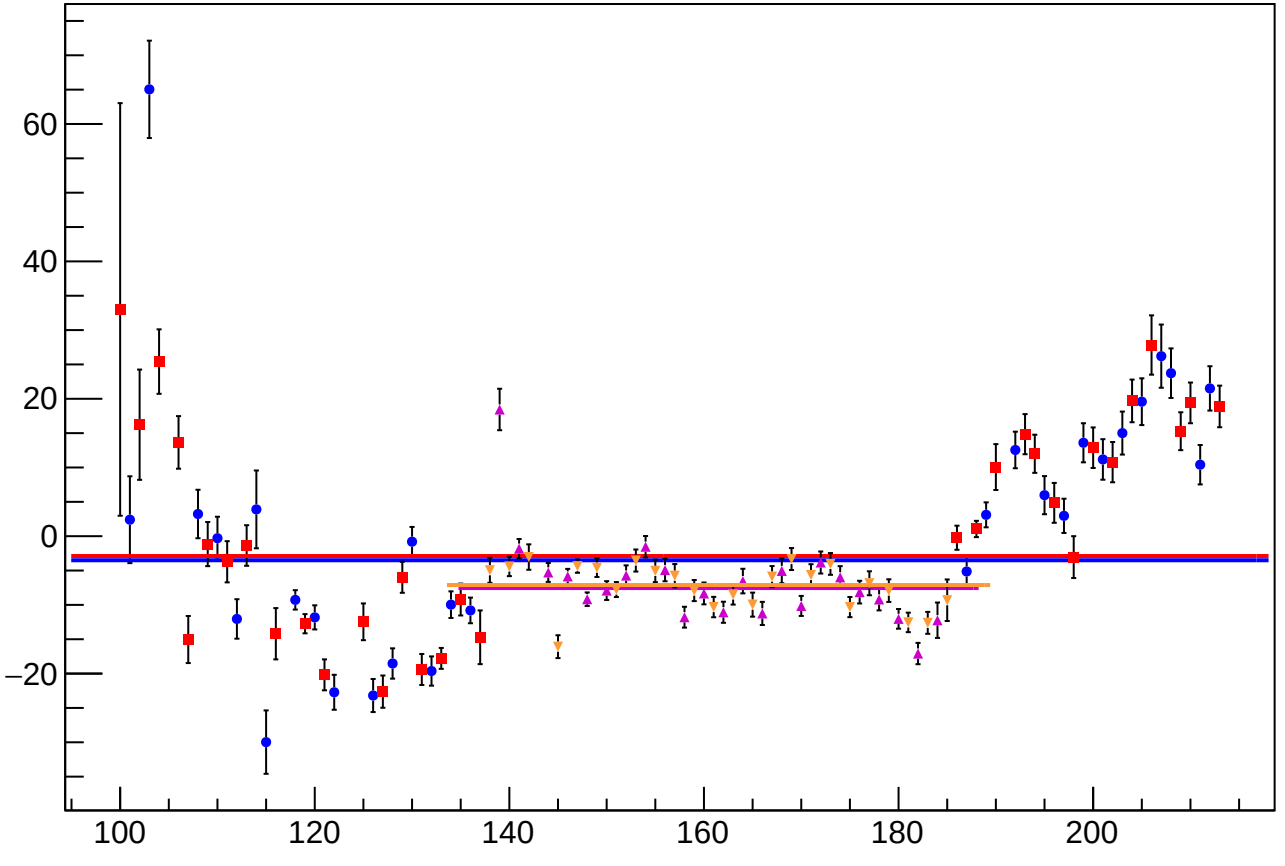
Right: -23.975+/-0.274 χ^2/NDF: 3909.3/60

In: -27.918+/-0.289 χ^2/NDF:2177.0/51

Out: -28.261+/-0.274 χ^2/NDF:3189.8/55

All: -28.099+/-0.199 χ^2/NDF: 5367.5/107

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.504+/-0.473 χ^2/NDF: 830.2/28

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

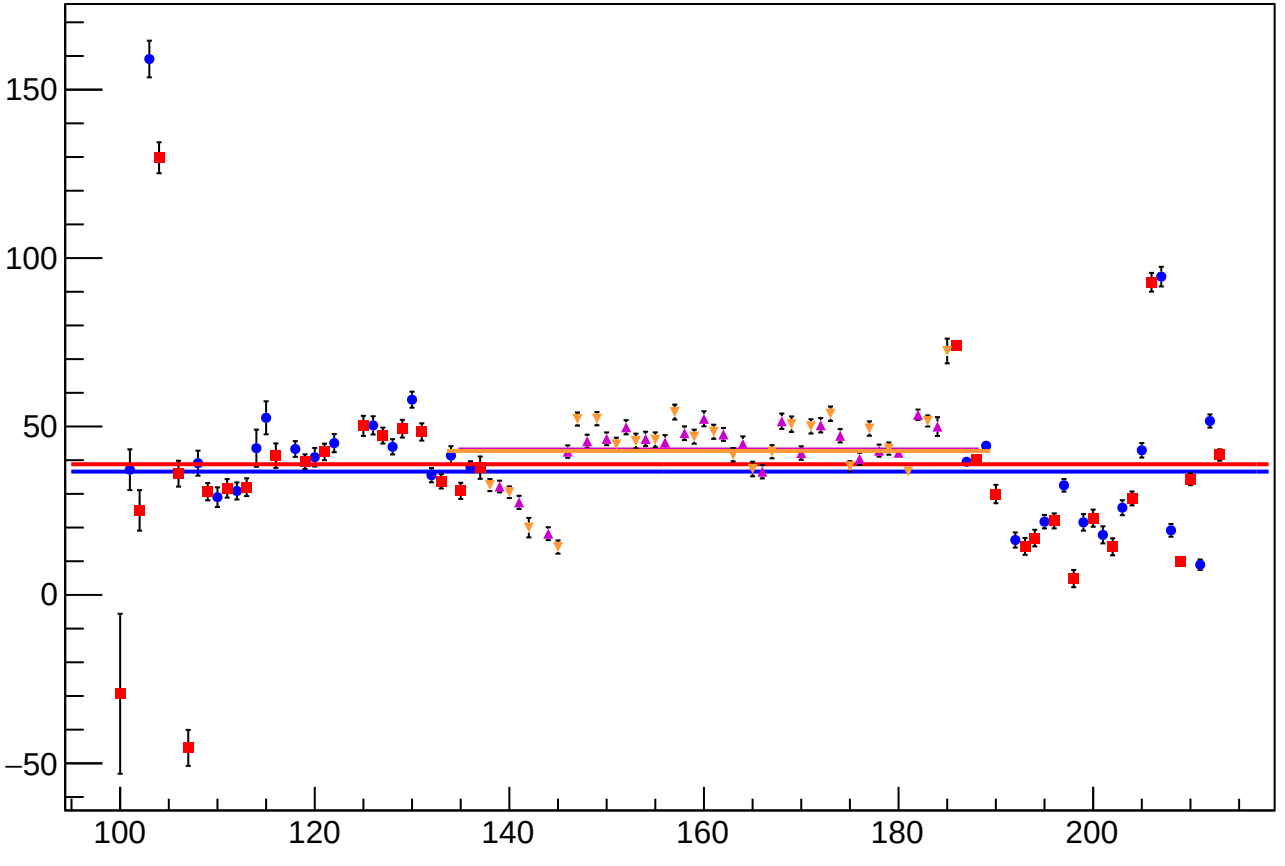
Right: -3.176+/-0.324 χ^2/NDF: 1682.2/60

In: -6.305+/-0.262 χ^2/NDF:1080.5/51

Out: -5.733+/-0.254 χ^2/NDF:1021.4/55

All: -6.010+/-0.182 χ^2/NDF: 2104.3/107

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 36.613+/-0.408 χ^2/NDF: 1831.3/28

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

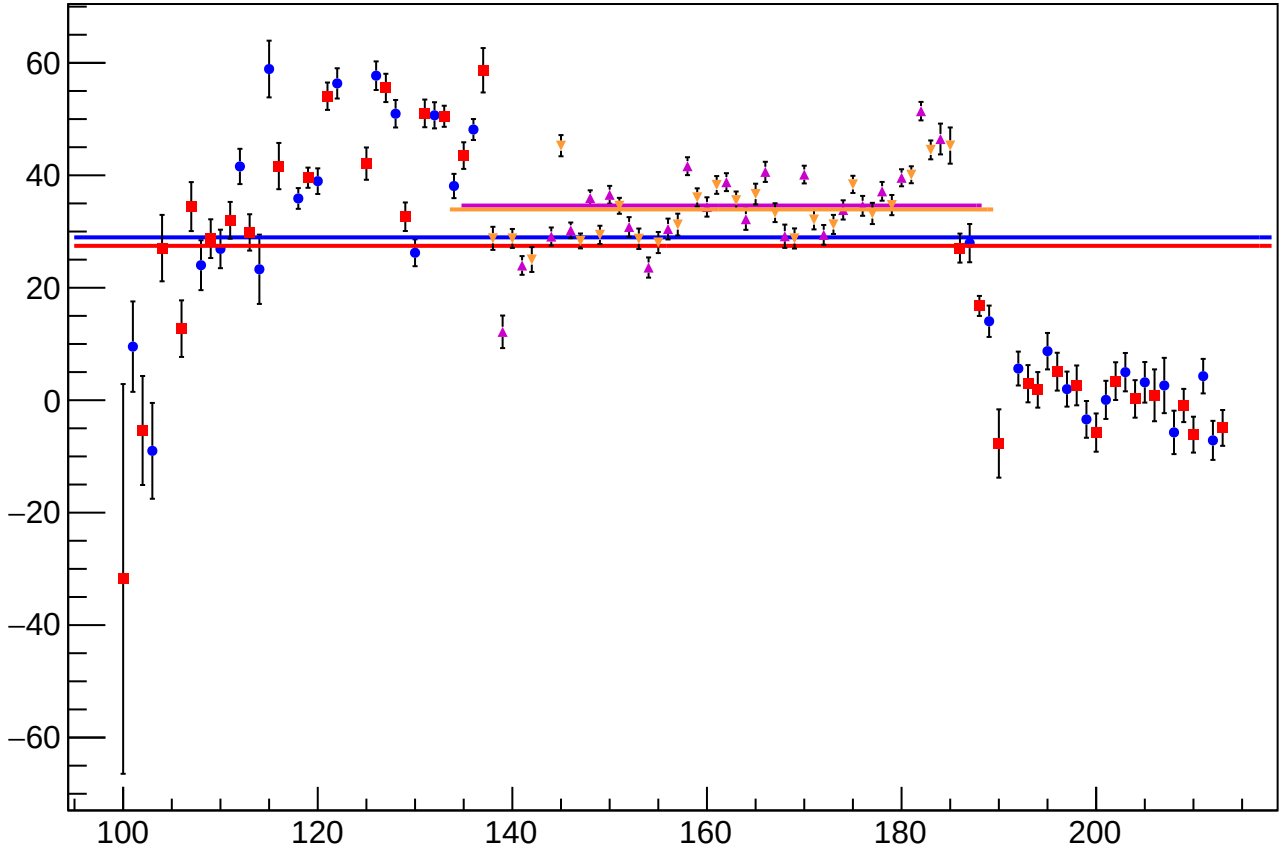
Right: 37.839+/-0.270 χ^2/NDF: 4922.0/60

In: 39.902+/-0.288 χ^2/NDF:2373.5/51

Out: 40.552+/-0.269 χ^2/NDF:3759.4/55

All: 40.250+/-0.197 χ^2/NDF: 6135.7/107

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.965+/-0.550 χ^2/NDF: 1392.6/28

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

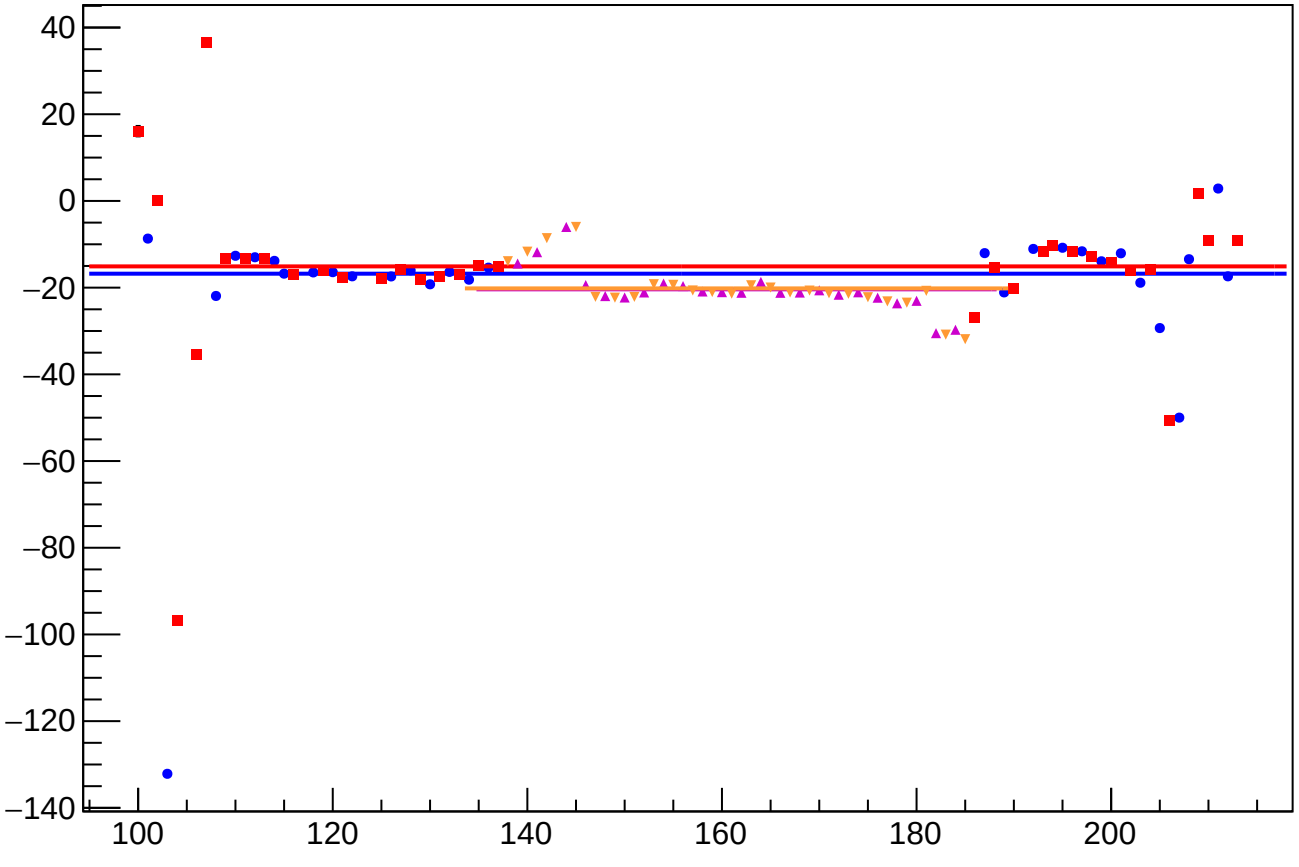
Right: 28.183+/-0.382 χ^2/NDF: 2944.2/60

In: 32.952+/-0.299 χ^2/NDF:1843.2/51

Out: 31.963+/-0.293 χ^2/NDF:1867.8/55

All: 32.447+/-0.209 χ^2/NDF: 3716.6/107

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.783+/-0.026 χ^2/NDF: 323838.3/28

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

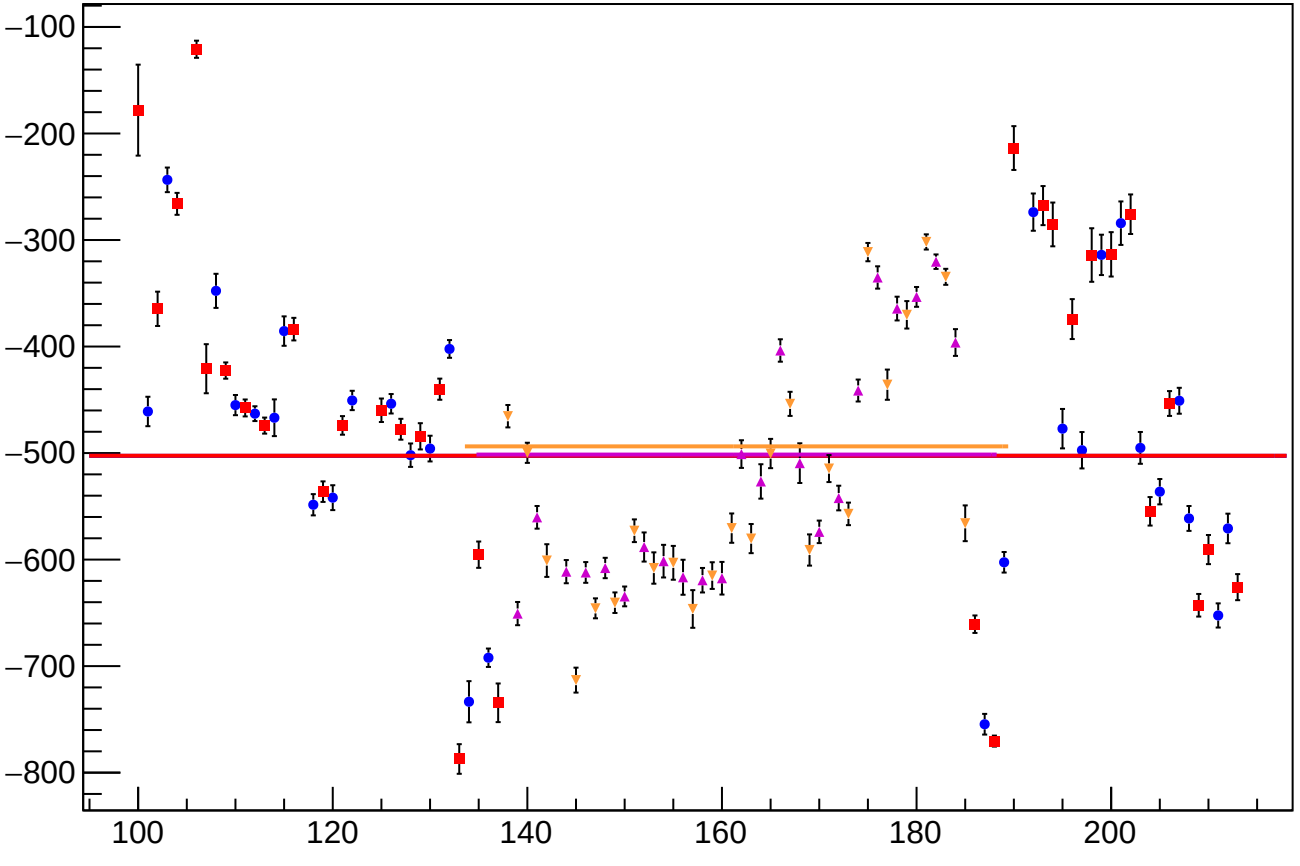
Right: -15.918+/-0.018 χ^2/NDF: 601740.4/60

In: -19.450+/-0.014 χ^2/NDF:418718.4/51

Out: -18.793+/-0.013 χ^2/NDF:403942.8/55

All: -19.119+/-0.010 χ^2/NDF: 823842.1/107

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -502.624+/-2.137 χ^2/NDF: 3021.3/28

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

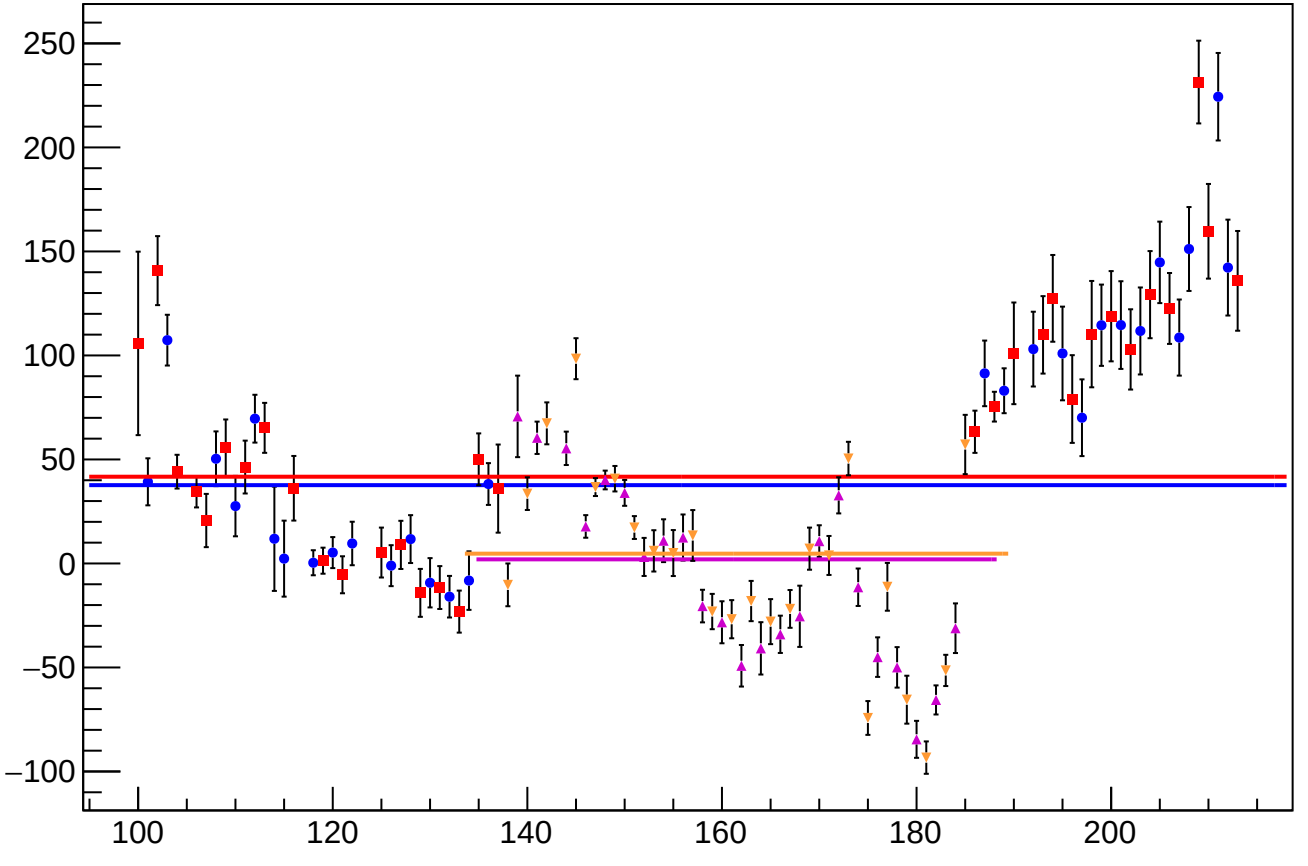
Right: -502.563+/-1.433 χ^2/NDF: 11167.7/60

In: -502.070+/-1.568 χ^2/NDF:5710.7/51

Out: -498.870+/-1.477 χ^2/NDF:11305.0/55

All: -500.376+/-1.075 χ^2/NDF: 17017.9/107

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 37.646+/-2.345 χ^2/NDF: 457.7/28

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

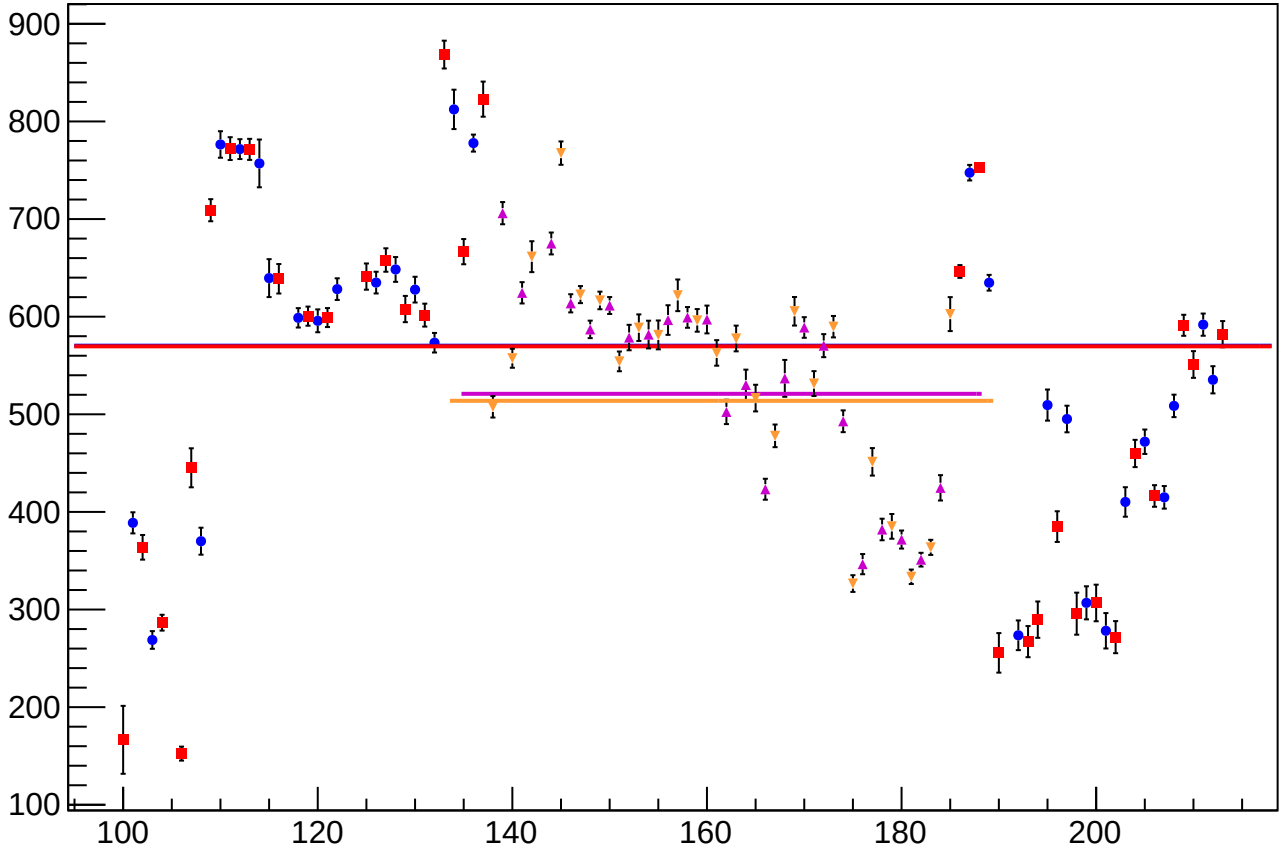
Right: 39.822+/-1.596 χ^2/NDF: 954.0/60

In: 14.470+/-1.388 χ^2/NDF:1168.9/51

Out: 18.660+/-1.338 χ^2/NDF:1354.5/55

All: 16.641+/-0.963 χ^2/NDF: 2528.1/107

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 570.289+/-2.201 χ^2/NDF: 5010.7/28

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

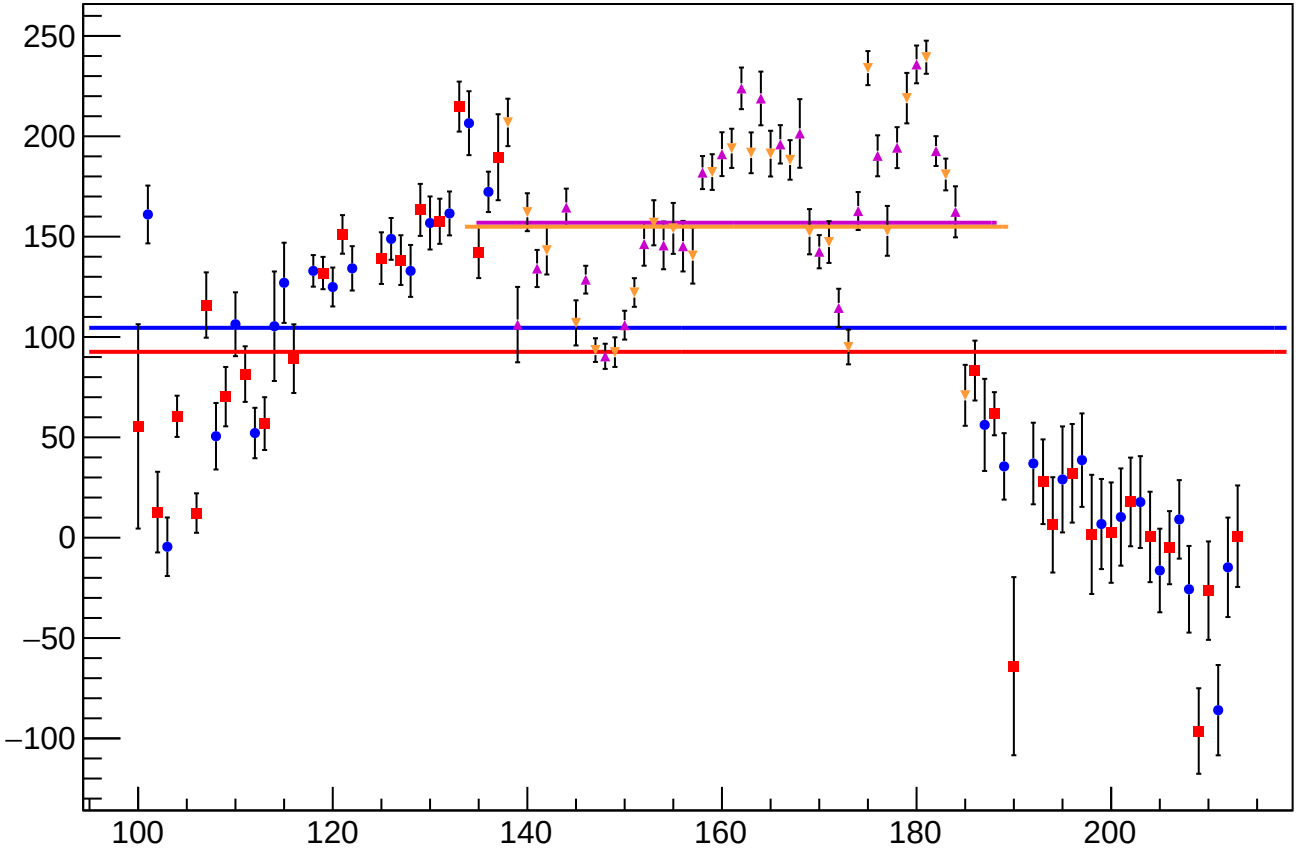
Right: 569.909+/-1.450 χ^2/NDF: 15684.4/60

In: 546.547+/-1.585 χ^2/NDF:7695.1/51

Out: 546.317+/-1.471 χ^2/NDF:13758.8/55

All: 546.424+/-1.078 χ^2/NDF: 21453.9/107

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 104.571+/-2.743 χ^2/NDF: 563.5/28

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

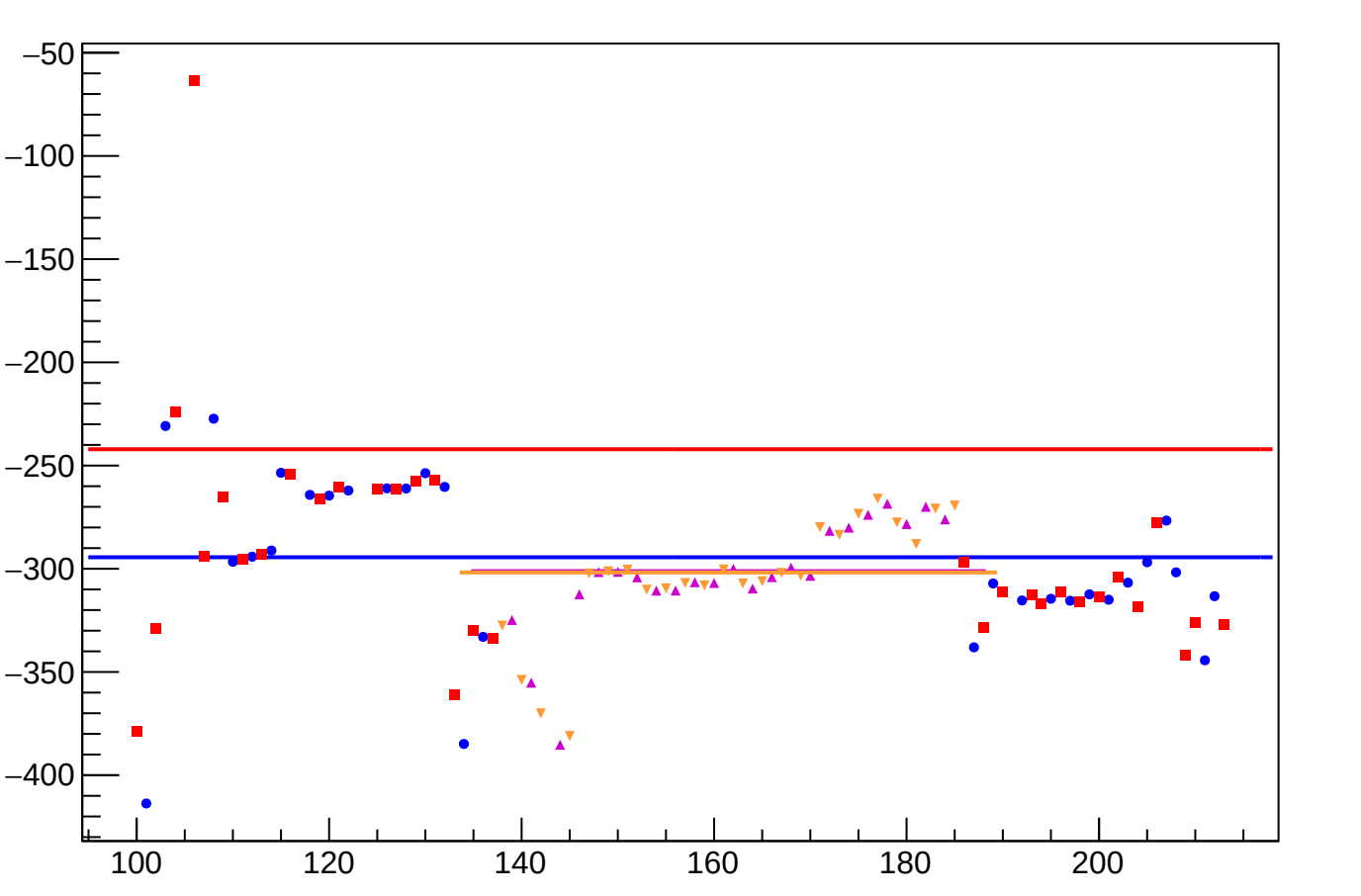
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 98.277+/-1.889 χ^2/NDF: 1205.7/60

In: 139.105+/-1.601 χ^2/NDF:1247.0/51

Out: 132.505+/-1.563 χ^2/NDF:1607.9/55

All: 135.725+/-1.118 χ^2/NDF: 2863.6/107



Right In: -294.421+/-0.139 χ^2/NDF: 116230.0/28

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

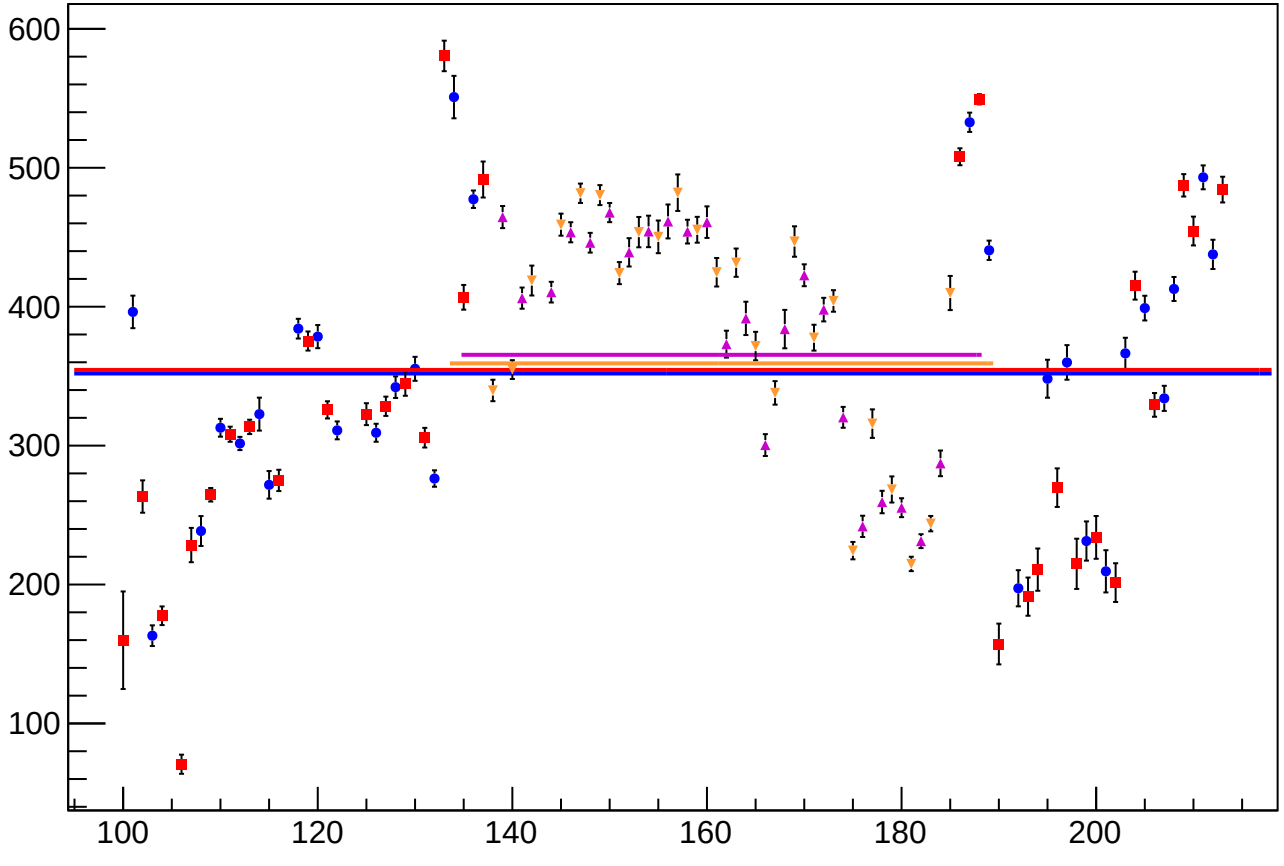
Right: -264.827+/-0.092 χ^2/NDF: 899772.5/60

In: -299.189+/-0.076 χ^2/NDF:193211.3/51

Out: -280.559+/-0.073 χ^2/NDF:944336.4/55

All: -289.529+/-0.052 χ^2/NDF: 1169008.1/10

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 351.919+/-1.530 χ^2/NDF: 3399.9/28

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

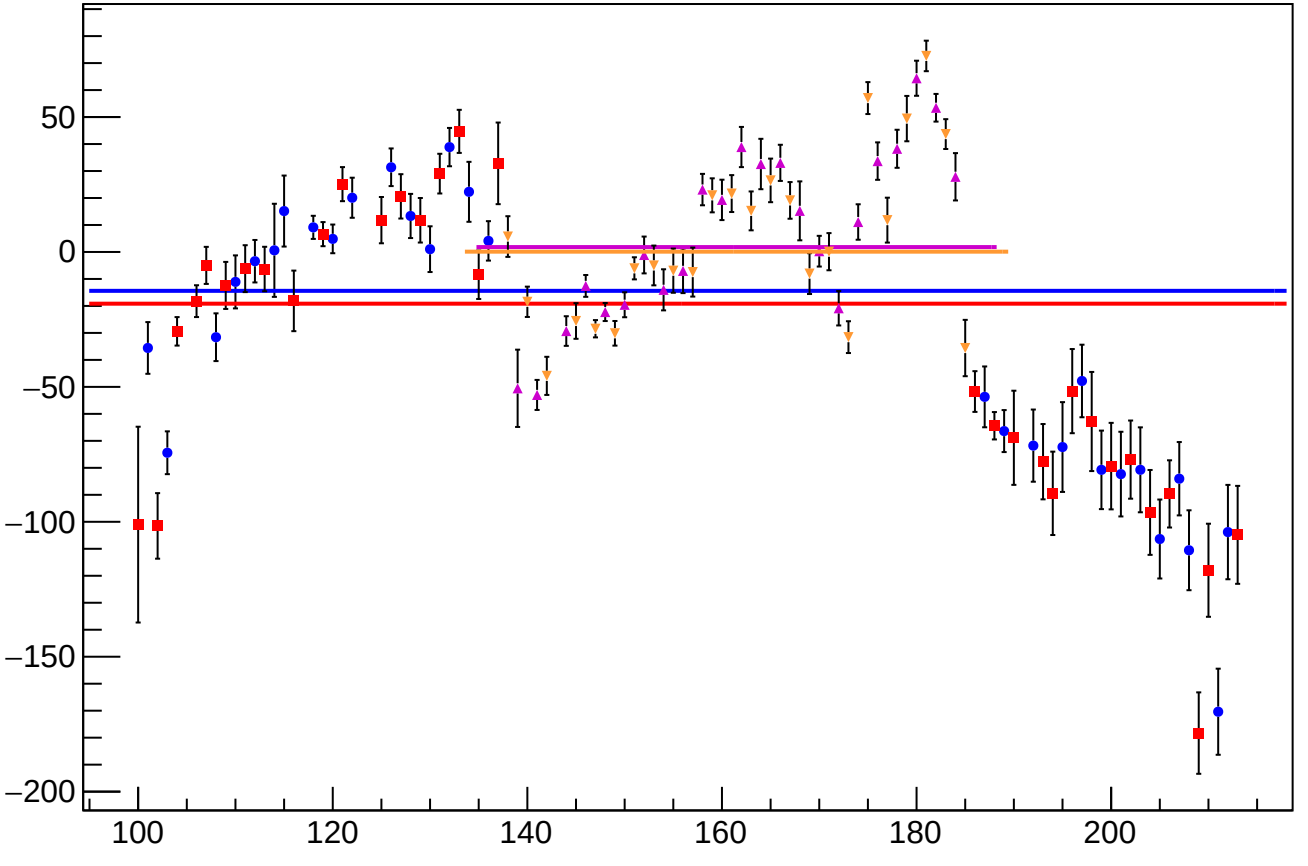
Right: 353.340+/-1.024 χ^2/NDF: 12033.7/60

In: 357.964+/-1.135 χ^2/NDF:6174.1/51

Out: 356.381+/-1.066 χ^2/NDF:11824.8/55

All: 357.123+/-0.777 χ^2/NDF: 17999.9/107

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -14.406+/-1.683 χ^2/NDF: 650.5/28

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

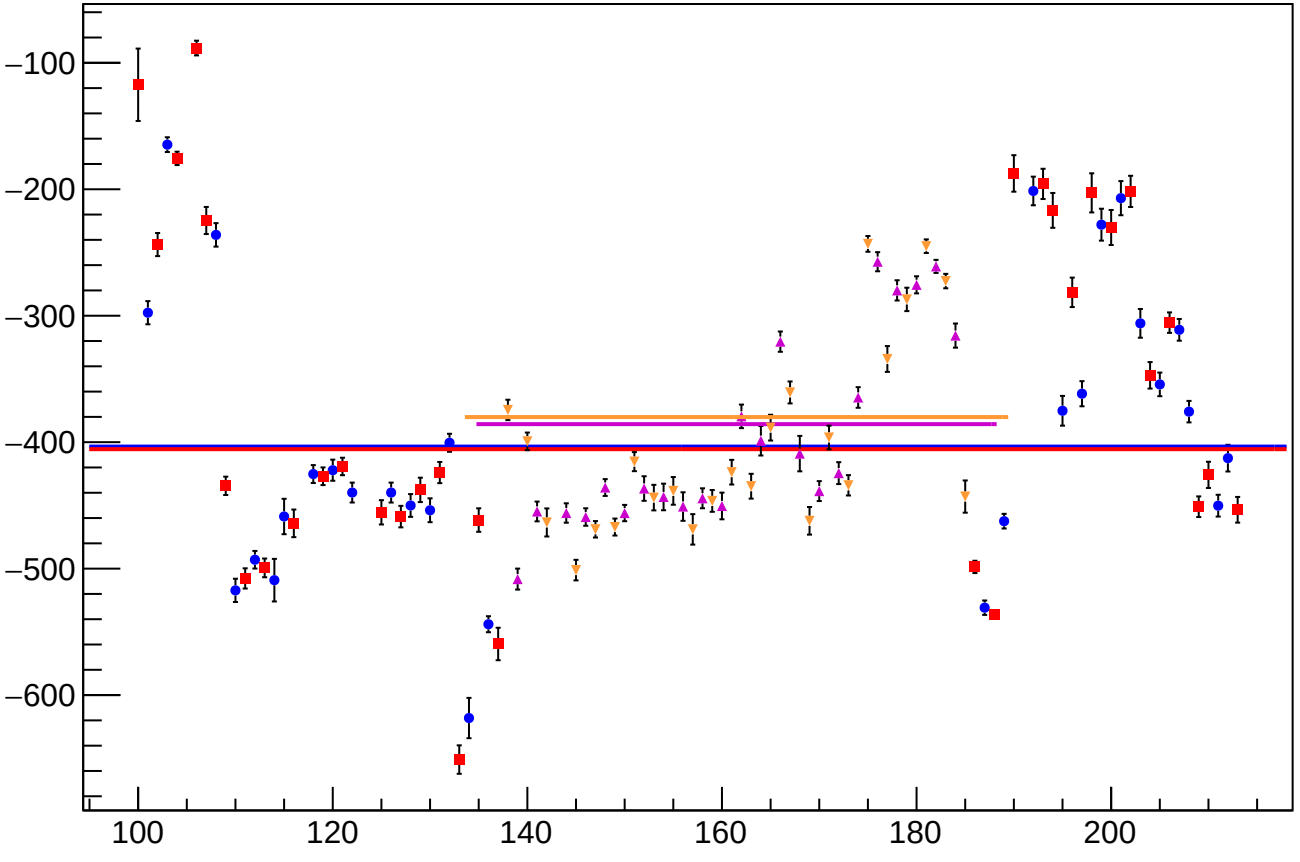
Right: -16.985+/-1.139 χ^2/NDF: 1379.5/60

In: -4.055+/-1.012 χ^2/NDF:1286.9/51

Out: -7.476+/-0.971 χ^2/NDF:1456.6/55

All: -5.837+/-0.701 χ^2/NDF: 2749.4/107

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -403.488+/-1.583 χ^2/NDF: 4893.1/28

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

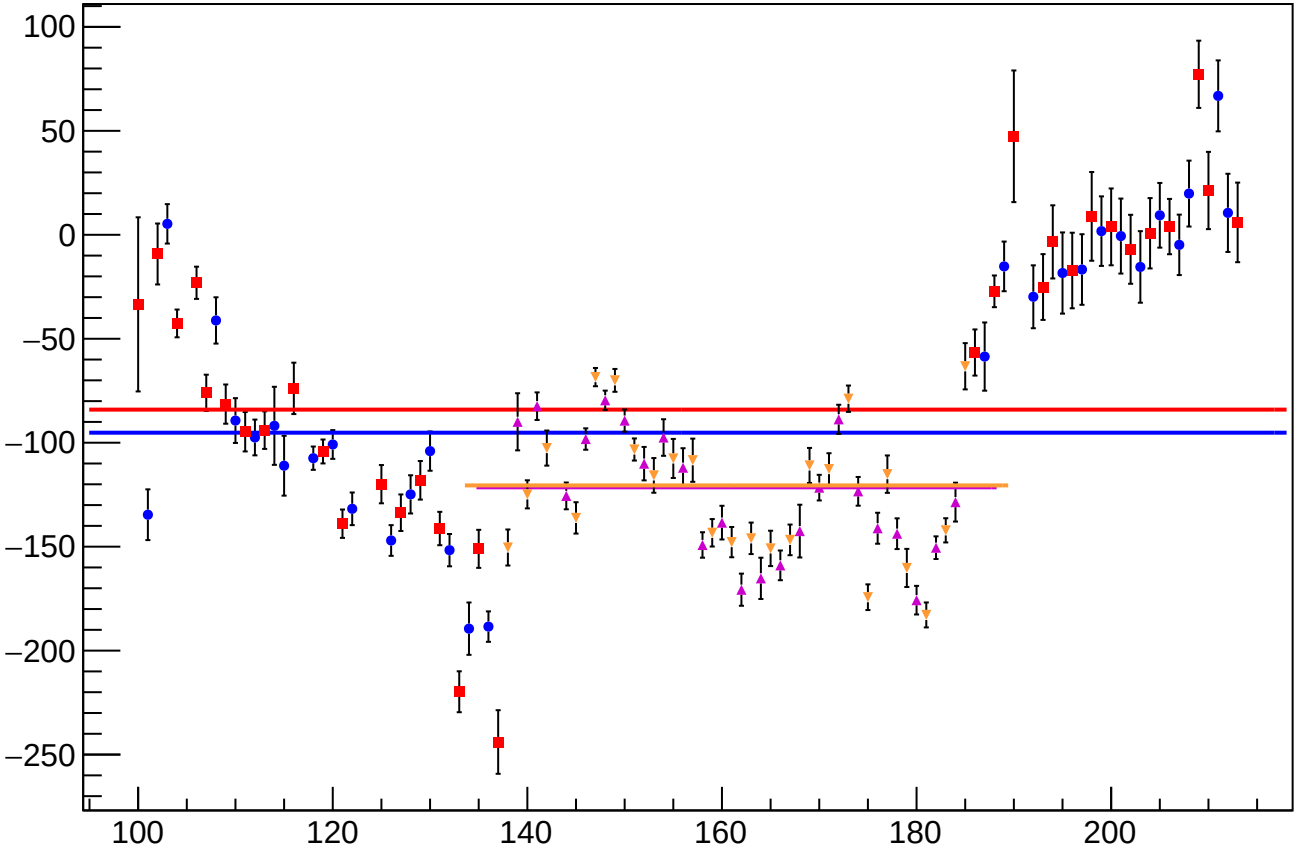
Right: -404.648+/-1.042 χ^2/NDF: 15608.7/60

In: -395.117+/-1.151 χ^2/NDF:7313.7/51

Out: -395.197+/-1.065 χ^2/NDF:13470.4/55

All: -395.160+/-0.782 χ^2/NDF: 20784.1/107

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.180+/-1.969 χ^2/NDF: 953.0/28

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

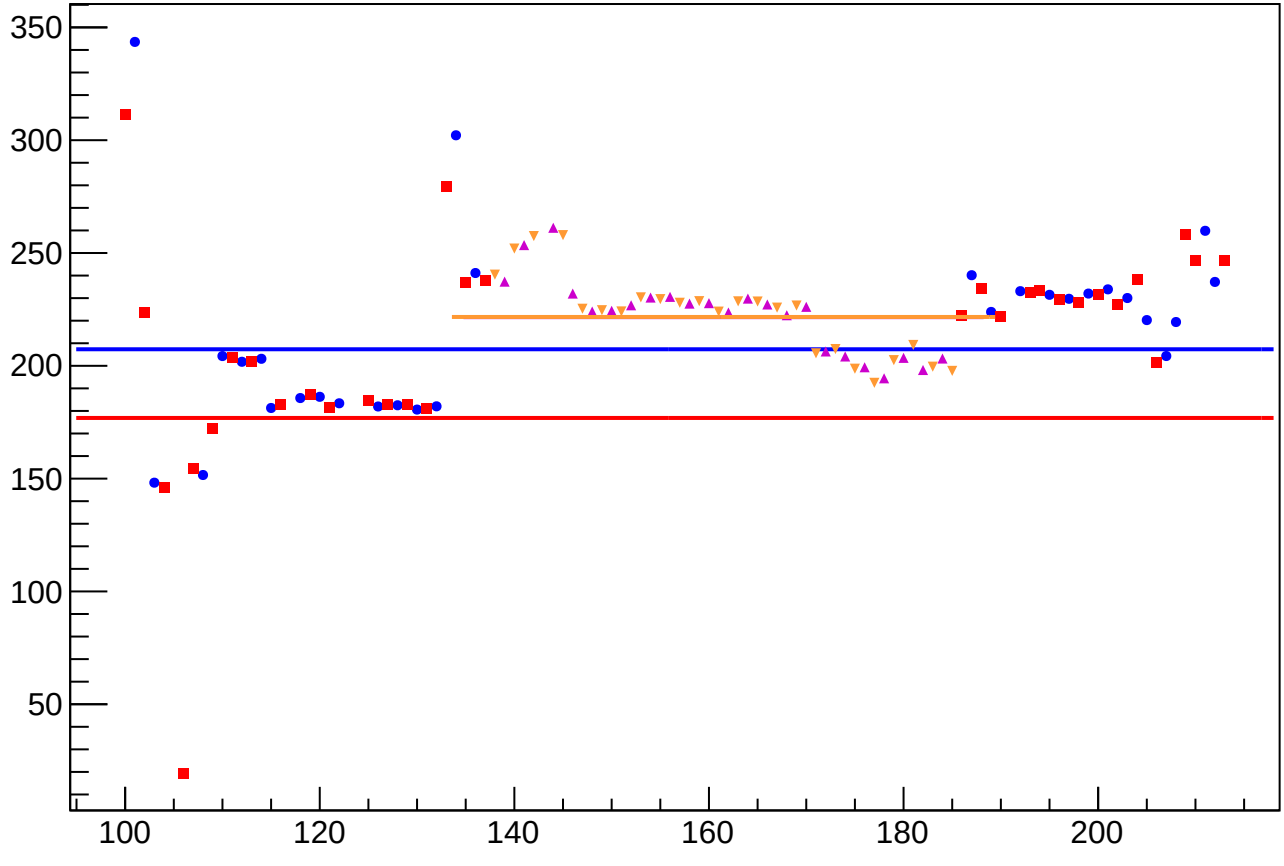
Right: -89.281+/-1.348 χ^2/NDF: 2056.4/60

In: -112.216+/-1.167 χ^2/NDF:1501.1/51

Out: -106.827+/-1.134 χ^2/NDF:1940.8/55

All: -109.443+/-0.813 χ^2/NDF: 3452.8/107

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 207.334+/-0.100 χ^2/NDF: 207299.2/28

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

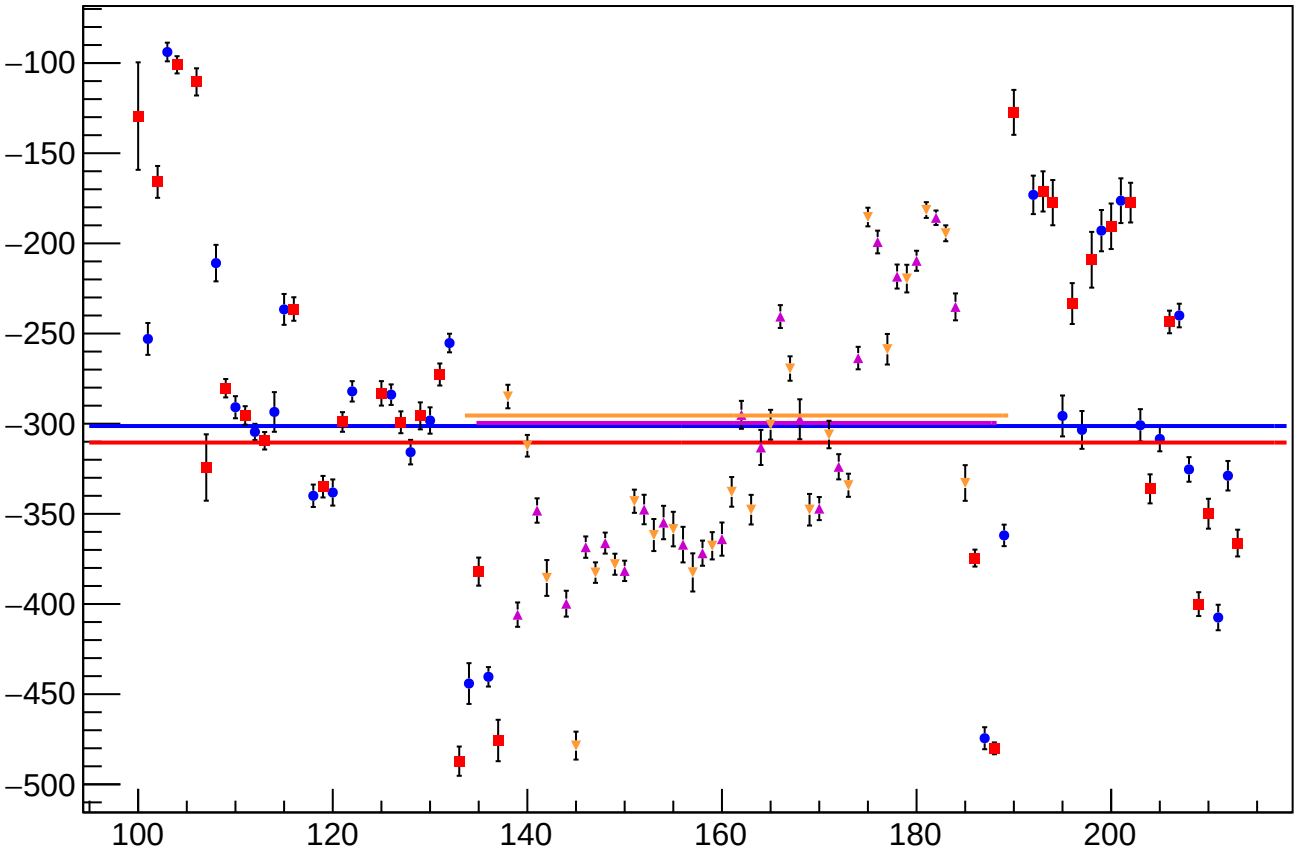
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 190.595+/-0.067 χ^2/NDF: 933141.5/60

In: 217.227+/-0.055 χ^2/NDF:283539.3/51

Out: 205.877+/-0.054 χ^2/NDF:900810.5/55

All: 211.392+/-0.038 χ^2/NDF: 1206094.7/107



Right In: -301.295+/-1.298 χ^2/NDF: 4351.1/28

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

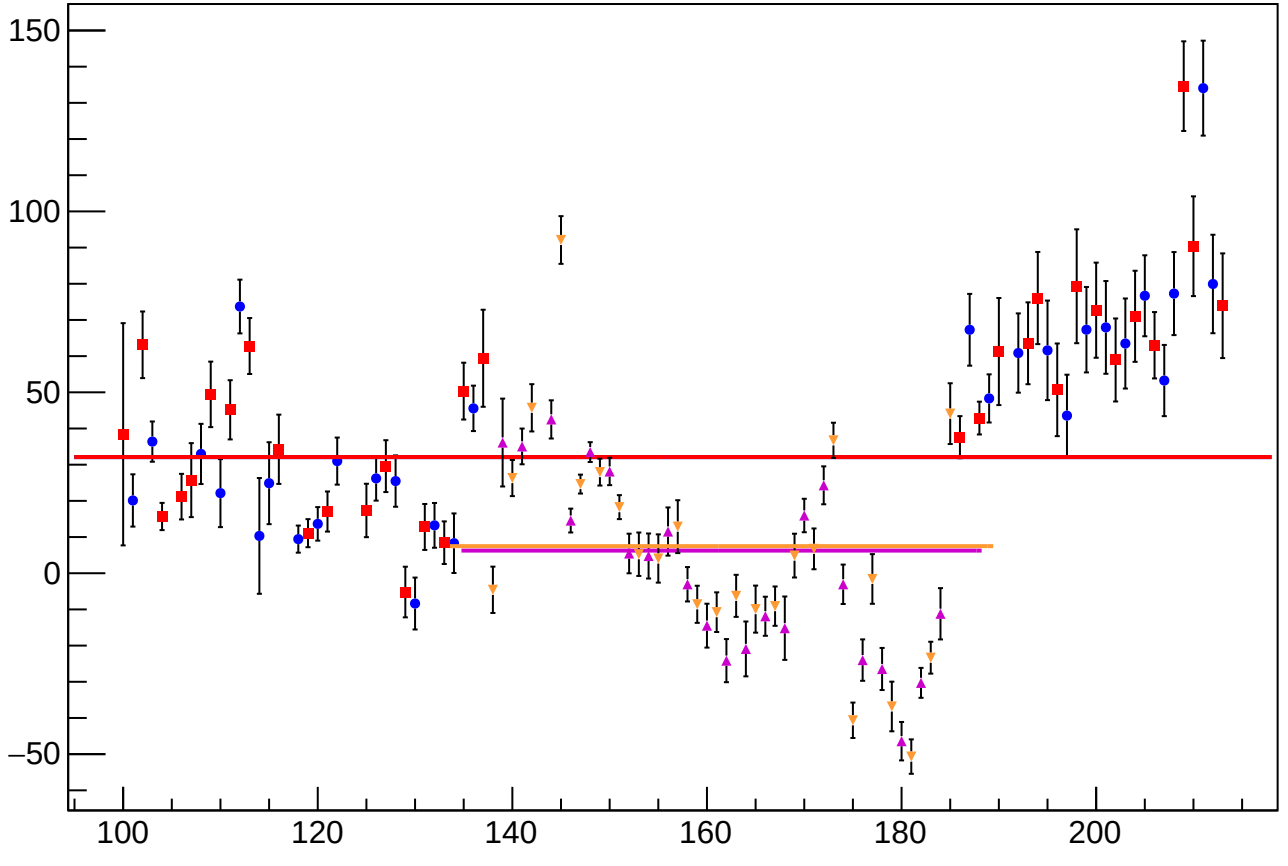
Right: -306.245+/-0.880 χ^2/NDF: 12386.7/60

In: -300.504+/-0.951 χ^2/NDF:7323.6/51

Out: -304.084+/-0.908 χ^2/NDF:11421.6/55

All: -302.377+/-0.657 χ^2/NDF: 18752.6/107

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.086+/-1.426 χ^2/NDF: 309.4/28

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

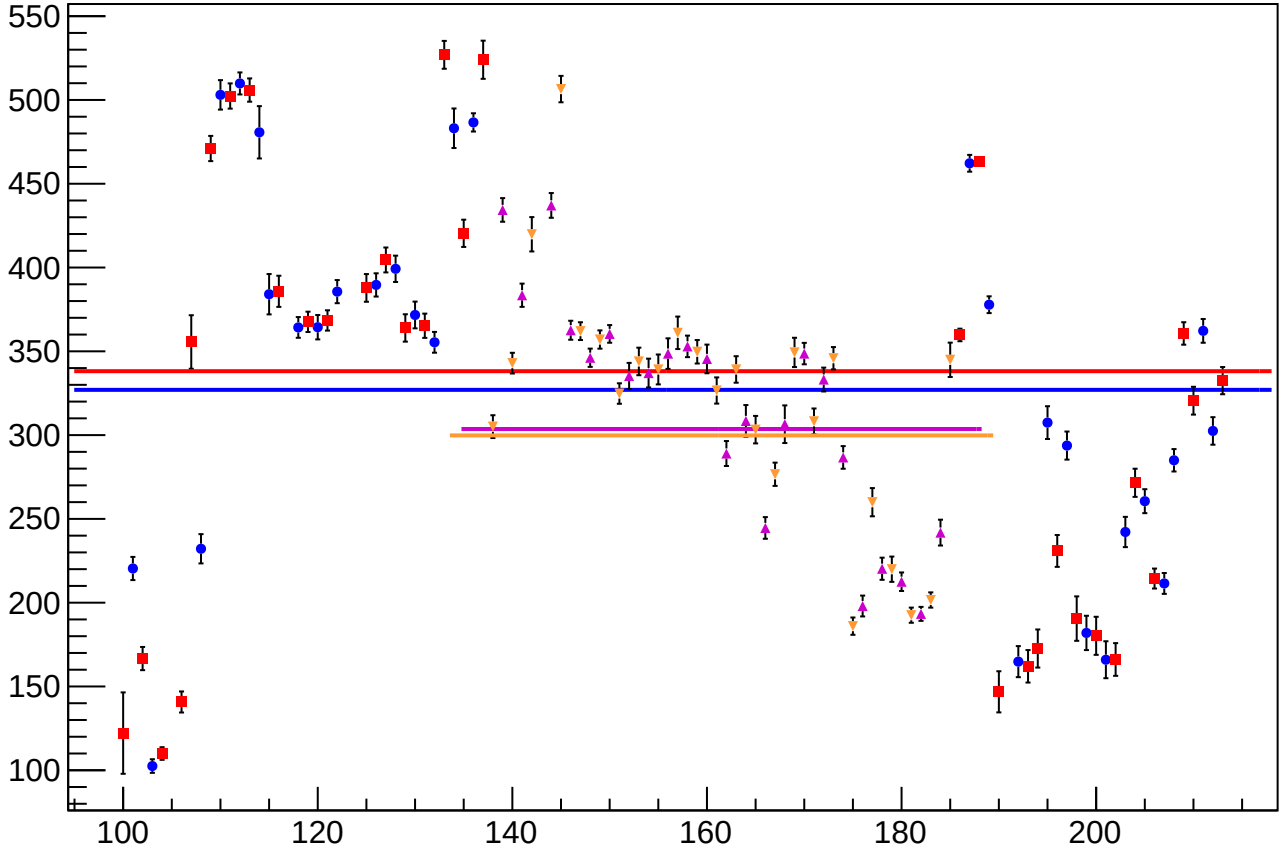
Right: 32.098+/-0.975 χ^2/NDF: 641.4/60

In: 15.282+/-0.843 χ^2/NDF:1082.3/51

Out: 16.666+/-0.815 χ^2/NDF:1283.7/55

All: 15.997+/-0.586 χ^2/NDF: 2367.4/107

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 327.011+/-1.318 χ^2/NDF: 8248.6/28

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

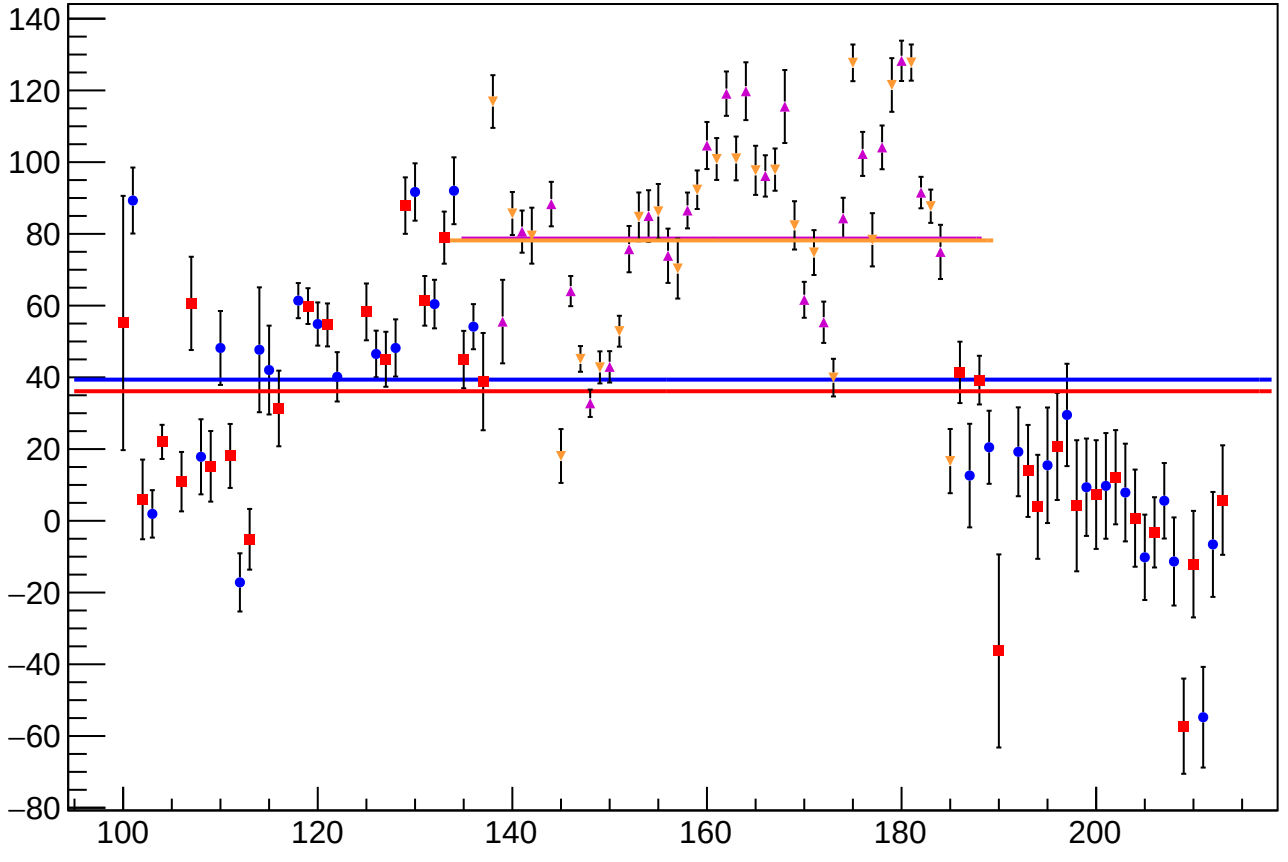
Right: 333.189+/-0.879 χ^2/NDF: 20445.5/60

In: 315.890+/-0.954 χ^2/NDF:11270.8/51

Out: 321.968+/-0.897 χ^2/NDF:15678.2/55

All: 319.115+/-0.654 χ^2/NDF: 26970.5/107

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 39.367+/-1.667 χ^2/NDF: 360.4/28

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

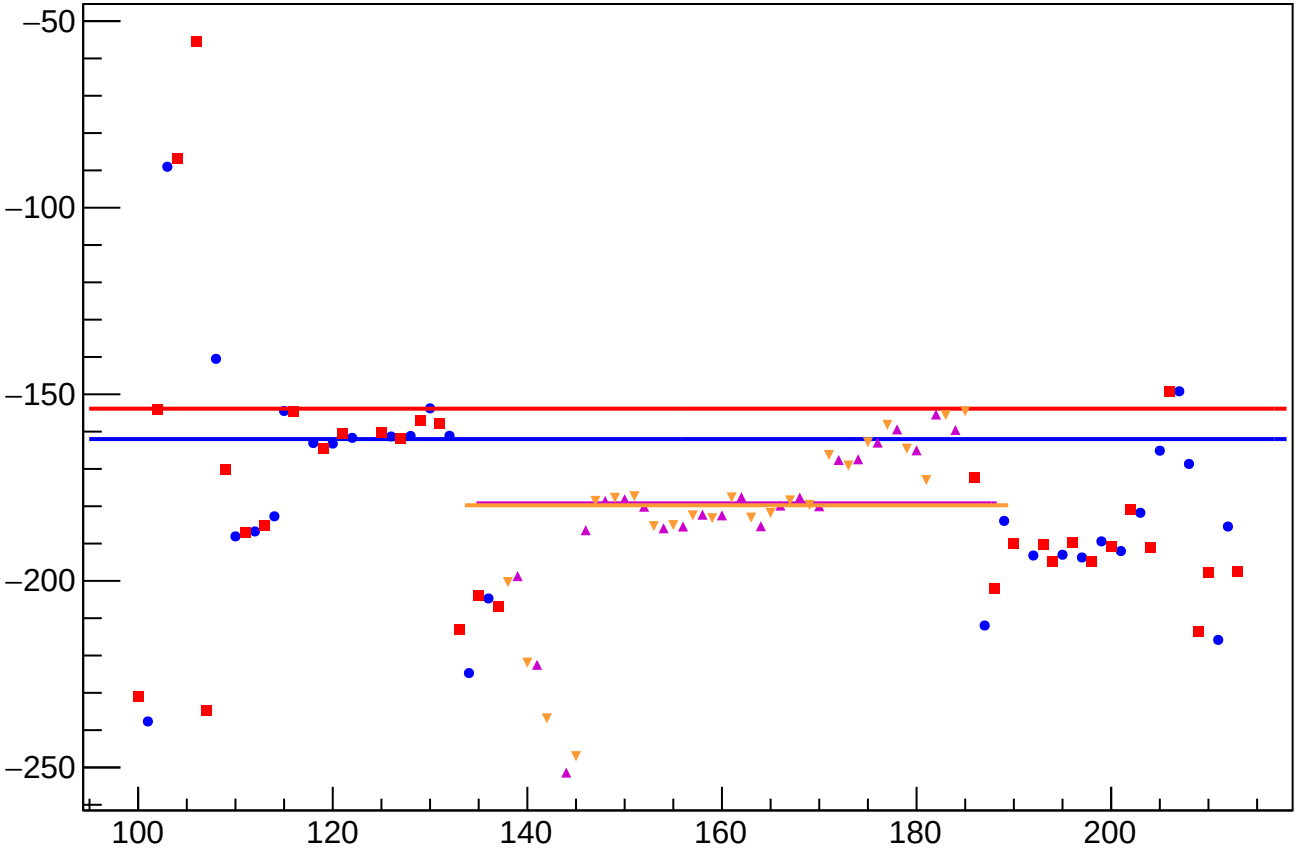
Right: 37.676+/-1.153 χ^2/NDF: 671.8/60

In: 65.345+/-0.971 χ^2/NDF:1216.5/51

Out: 63.234+/-0.951 χ^2/NDF:1420.8/55

All: 64.267+/-0.679 χ^2/NDF: 2639.7/107

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -162.003+/-0.080 χ^2/NDF: 312910.6/28

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

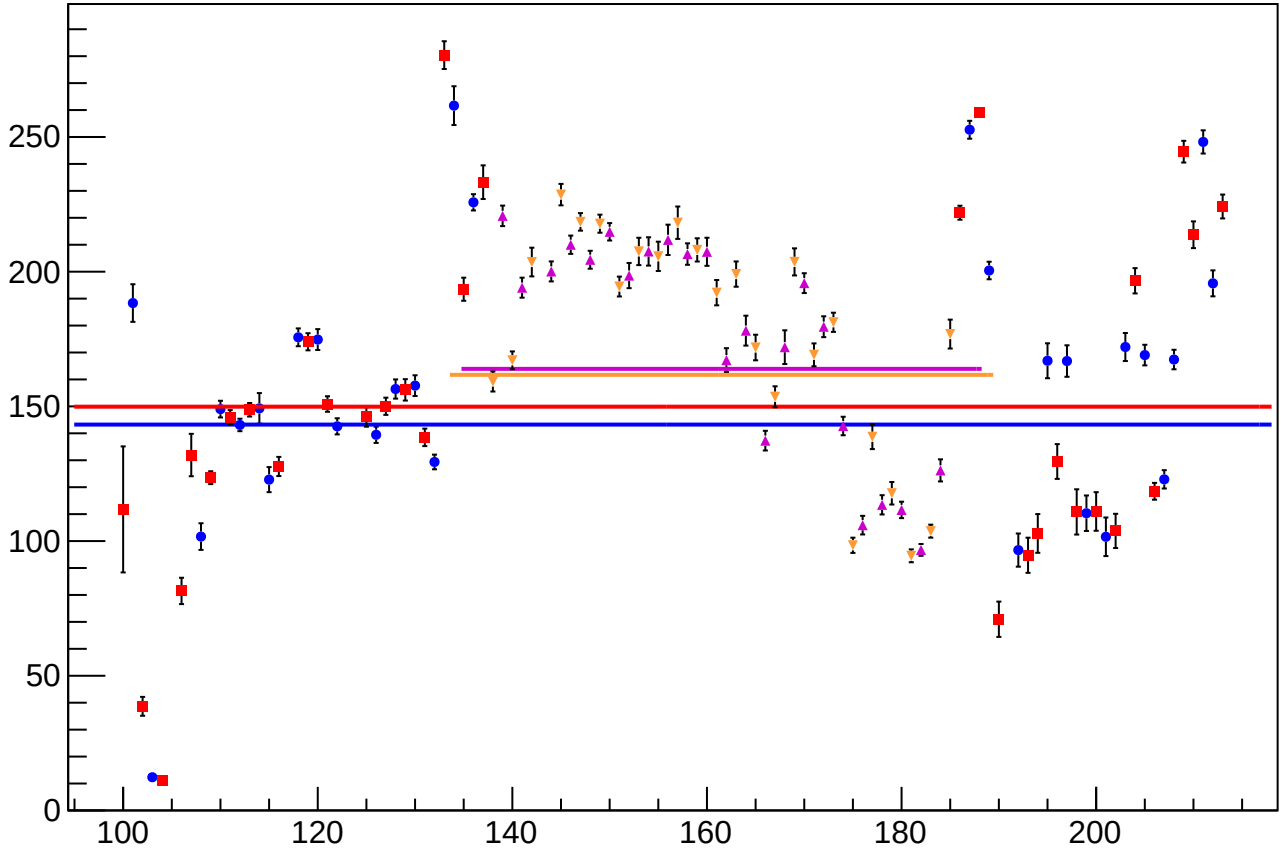
Right: -157.768+/-0.056 χ^2/NDF: 753860.2/60

In: -173.804+/-0.045 χ^2/NDF:457801.3/51

Out: -171.049+/-0.045 χ^2/NDF:642173.6/55

All: -172.417+/-0.032 χ^2/NDF: 1101851.0/10

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 143.243+/-0.675 χ^2/NDF: 8963.6/28

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

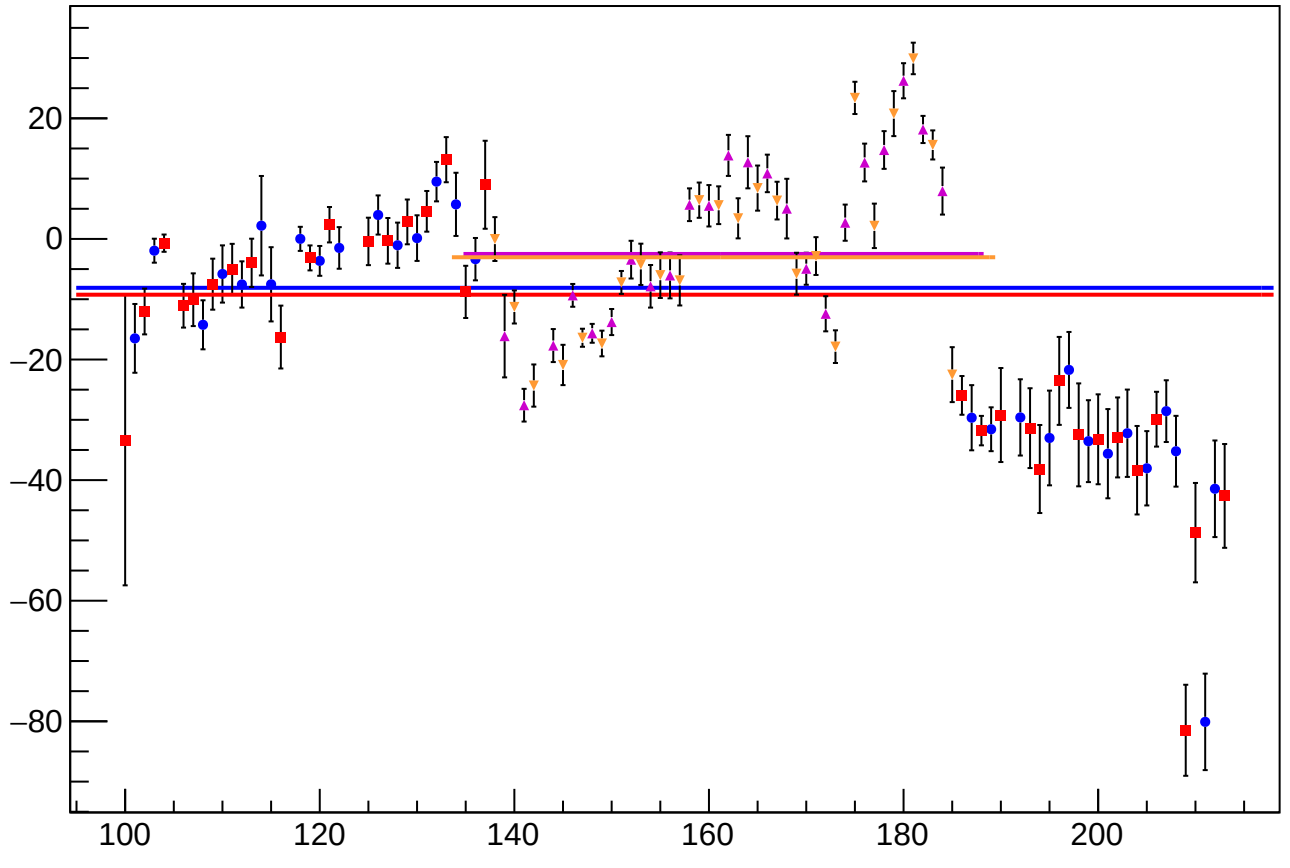
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 146.841+/-0.457 χ^2/NDF: 23364.7/60

In: 152.115+/-0.510 χ^2/NDF:12701.5/51

Out: 154.506+/-0.485 χ^2/NDF:18077.2/55

All: 153.371+/-0.352 χ^2/NDF: 30790.3/107



Right In: -8.106+/-0.745 χ^2/NDF: 381.1/28

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

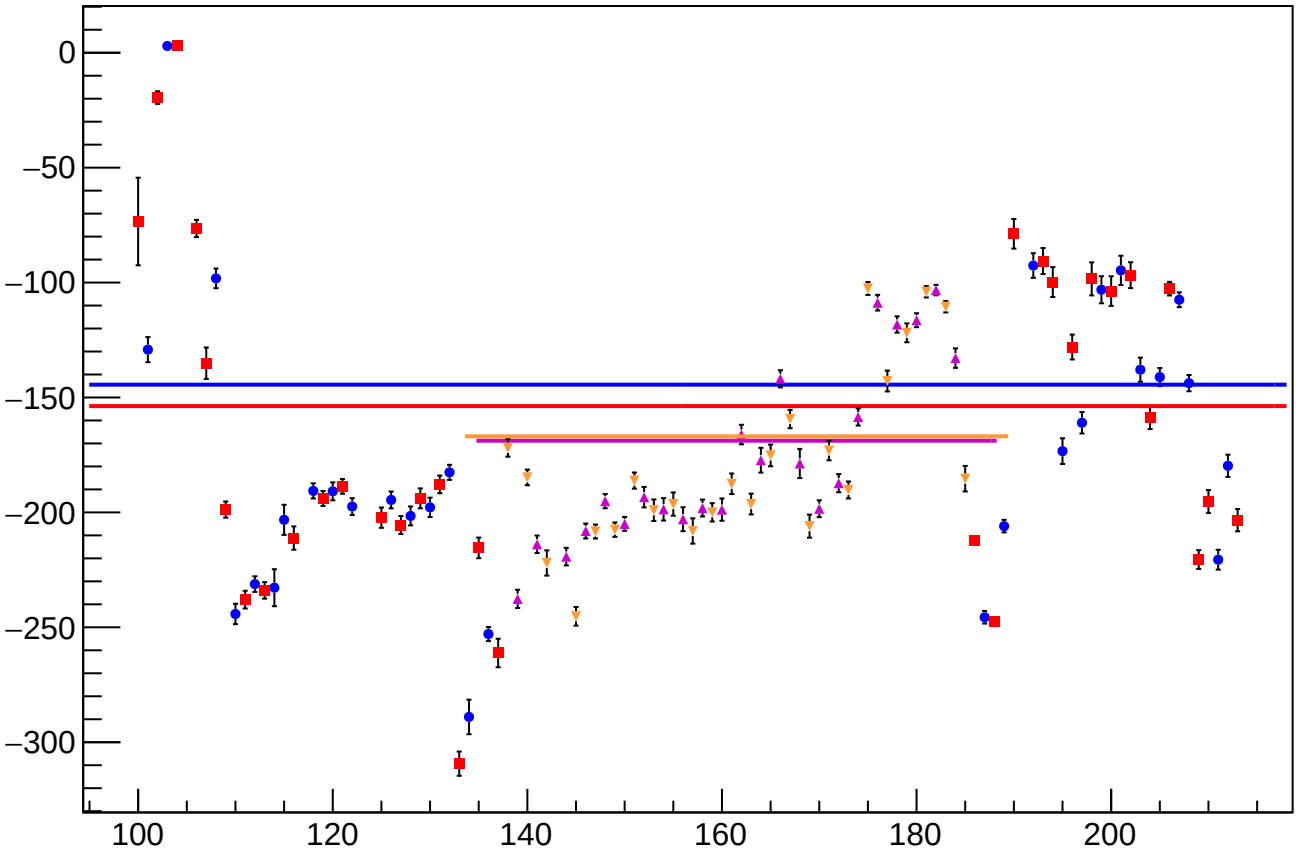
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

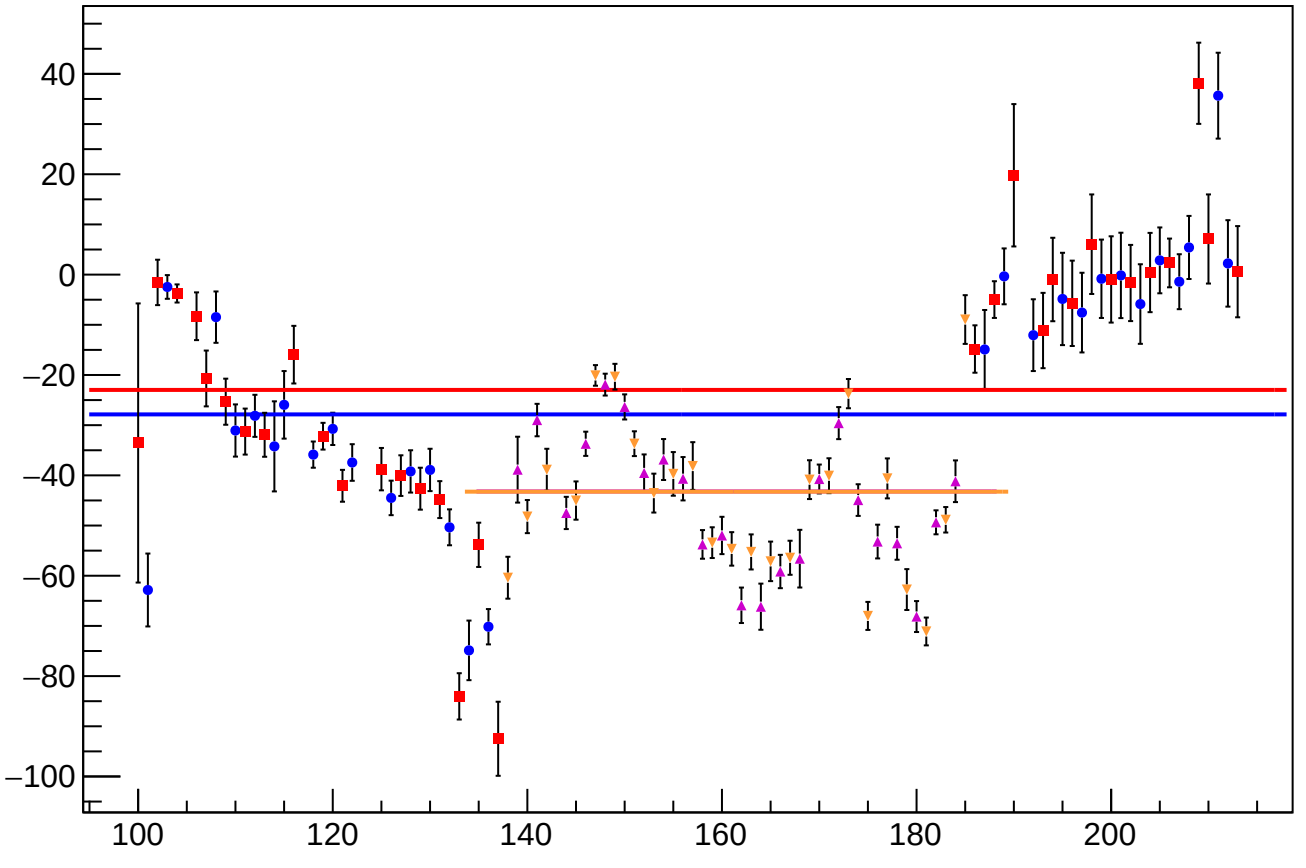
Right: -8.733+/-0.500 χ^2/NDF: 874.7/60

In: -4.642+/-0.461 χ^2/NDF:979.0/51

Out: -5.666+/-0.439 χ^2/NDF:1195.7/55

All: -5.179+/-0.318 χ^2/NDF: 2177.3/107


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: -144.420+/-0.674 χ²/NDF: 17619.5/28
Left Out: -166.912+/-0.771 χ²/NDF:3096.2/23
Right Out: -153.748+/-0.605 χ²/NDF: 24489.2/31
Left In: -168.810+/-0.772 χ²/NDF:3059.5/22
Left: -167.859+/-0.546 χ²/NDF: 6158.8/46
Right: -149.584+/-0.450 χ²/NDF: 42214.8/60
In: -154.958+/-0.508 χ²/NDF:21245.2/51
Out: -158.766+/-0.476 χ²/NDF:27765.9/55
All: -156.985+/-0.347 χ²/NDF: 49041.1/107



Right In: -27.853+/-0.871 χ^2/NDF: 671.2/28

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

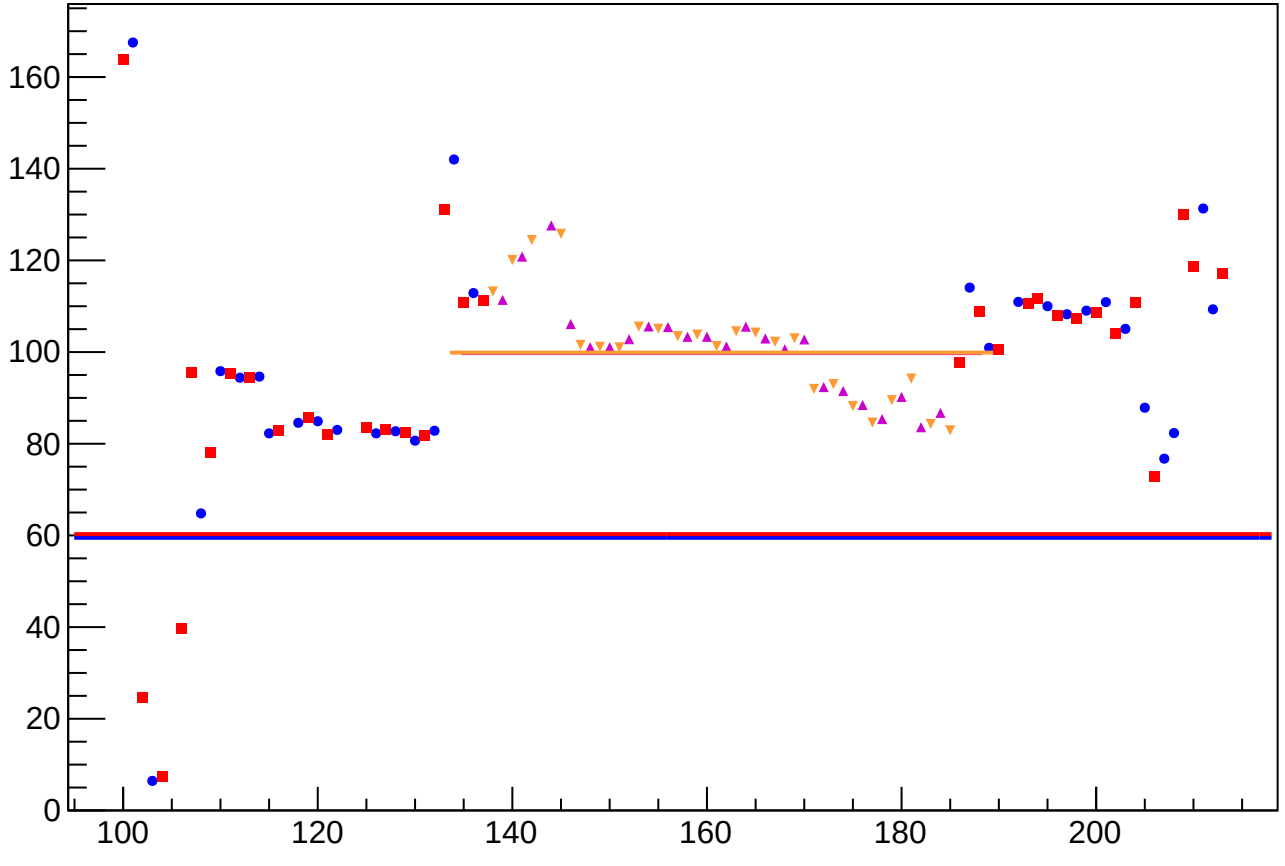
Right: -25.236+/-0.593 χ^2/NDF: 1477.1/60

In: -37.498+/-0.531 χ^2/NDF:1272.3/51

Out: -35.095+/-0.513 χ^2/NDF:1774.2/55

All: -36.256+/-0.369 χ^2/NDF: 3057.1/107

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 59.493+/-0.038 χ^2/NDF: 1550739.1/28

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

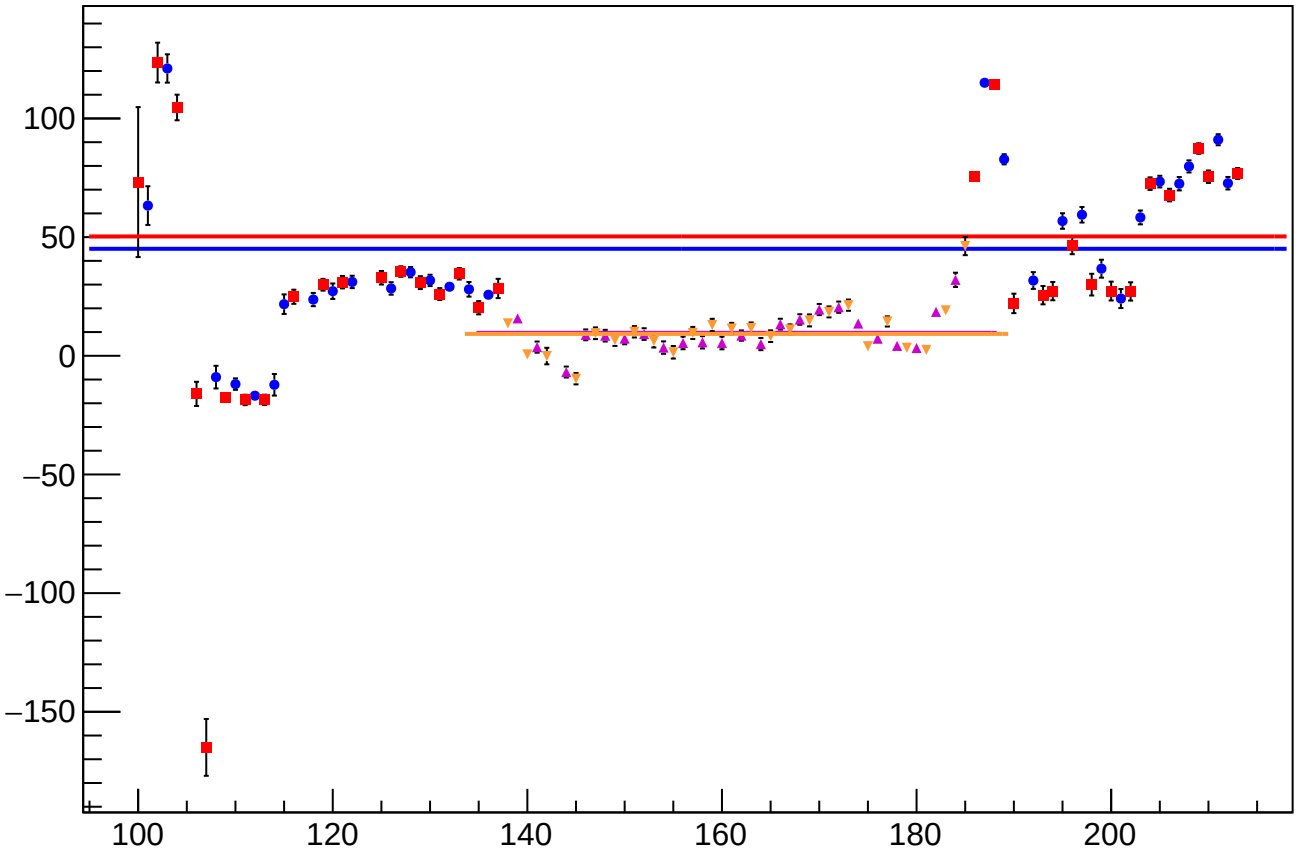
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 59.892+/-0.027 χ^2/NDF: 2912283.8/60

In: 84.199+/-0.024 χ^2/NDF:2336075.3/51

Out: 84.259+/-0.024 χ^2/NDF:2138393.3/55

All: 84.229+/-0.017 χ^2/NDF: 4474471.7/107



Right In: 45.084+/-0.508 χ^2/NDF: 4930.0/28

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

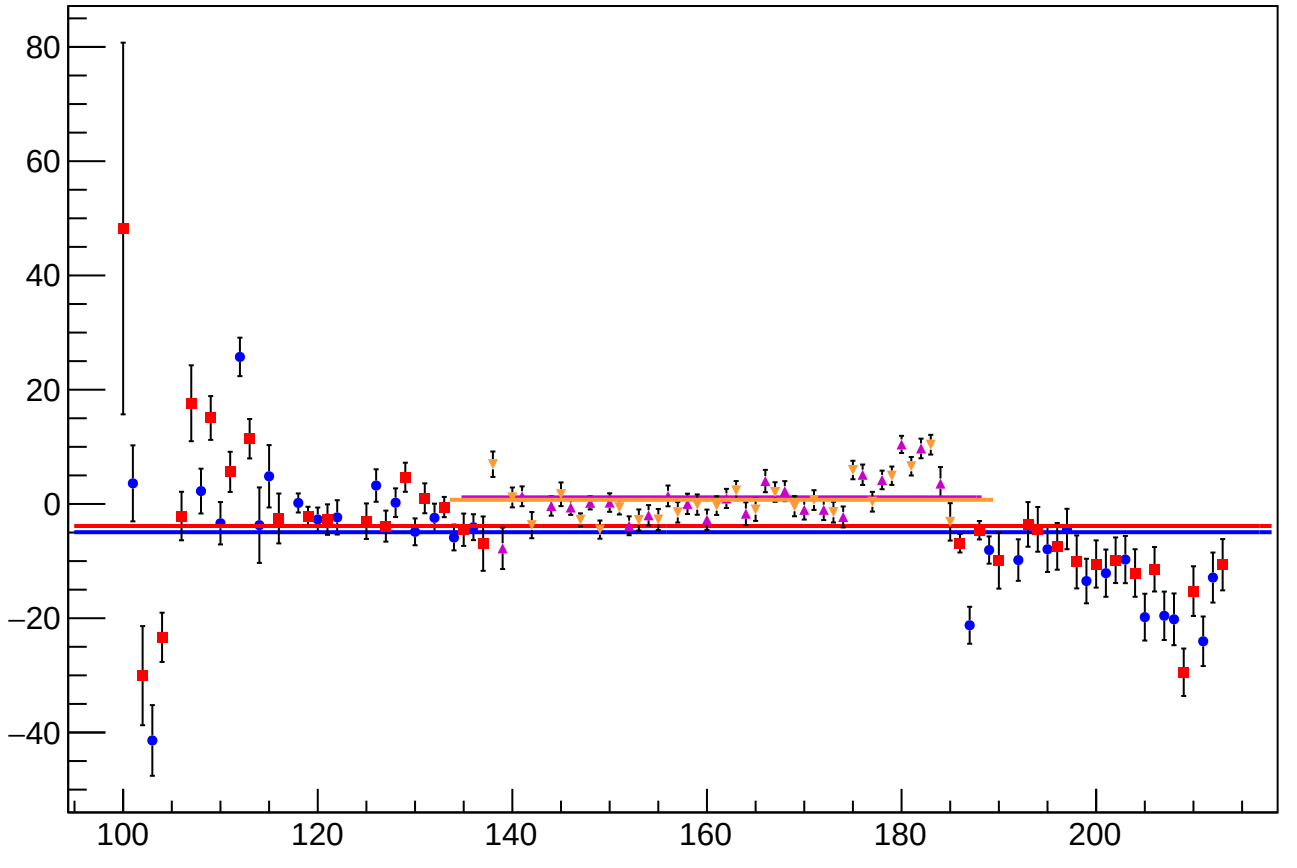
Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

Right: 47.948+/-0.341 χ^2/NDF: 13561.5/60

In: 25.728+/-0.342 χ^2/NDF:7835.2/51

Out: 29.613+/-0.324 χ^2/NDF:12919.7/55

All: 27.775+/-0.235 χ^2/NDF: 20823.0/107



Right In: -4.942+/-0.578 χ^2/NDF: 249.0/28

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

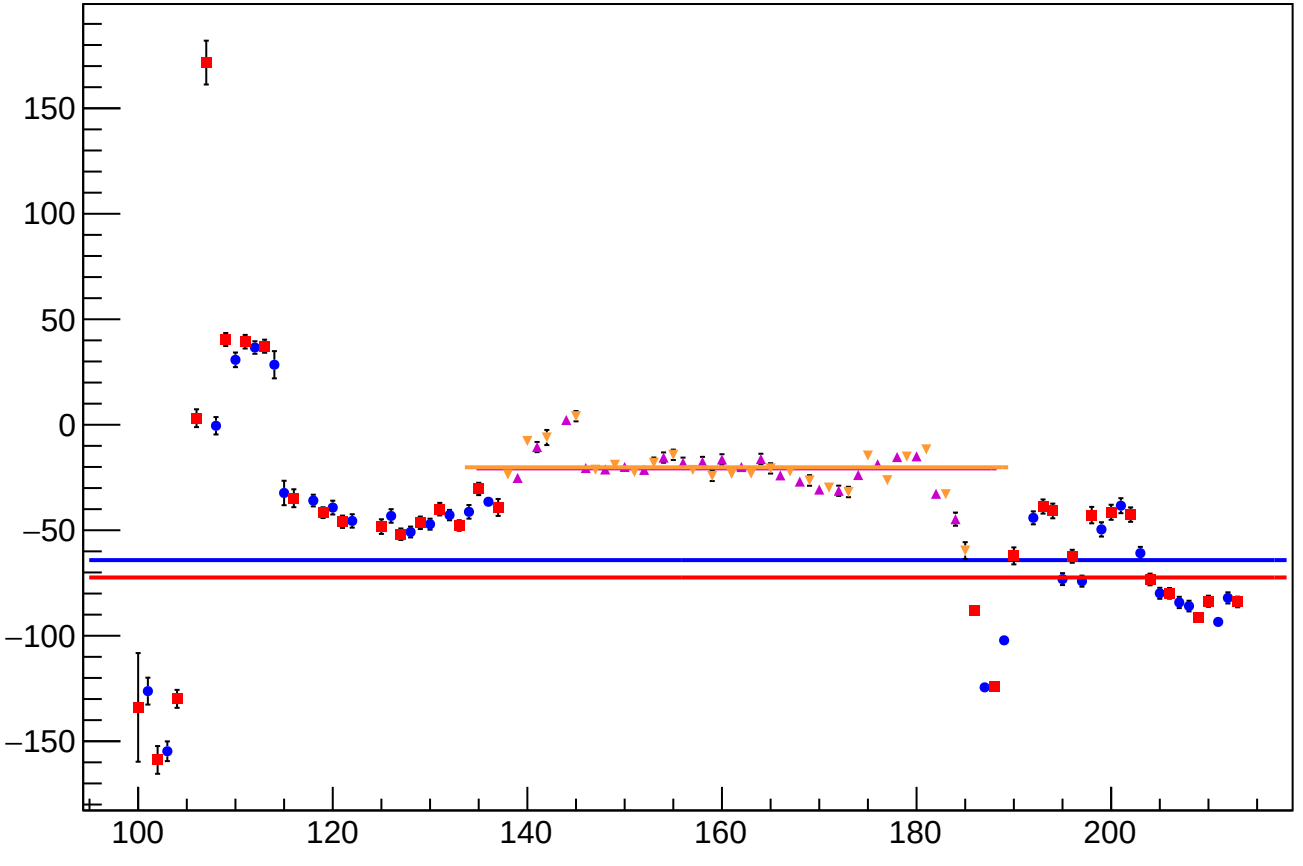
Right: -4.363+/-0.395 χ^2/NDF: 432.5/60

In: -0.529+/-0.304 χ^2/NDF:439.9/51

Out: -0.619+/-0.294 χ^2/NDF:342.0/55

All: -0.576+/-0.211 χ^2/NDF: 781.9/107

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -64.155+/-0.518 χ^2/NDF: 5802.9/28

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

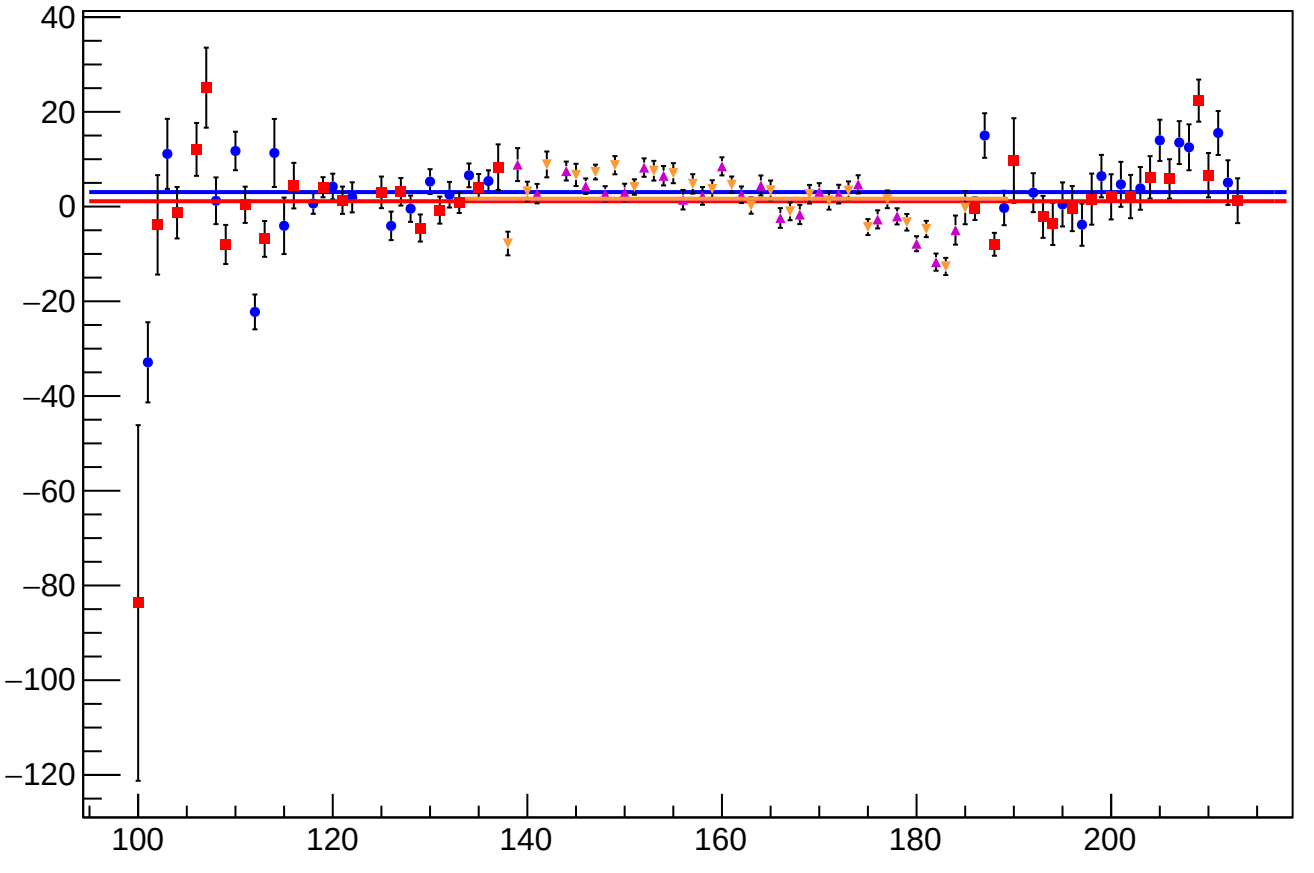
Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

Right: -68.850+/-0.339 χ^2/NDF: 15728.8/60

In: -39.757+/-0.343 χ^2/NDF:10072.8/51

Out: -46.464+/-0.319 χ^2/NDF:16916.3/55

All: -43.354+/-0.233 χ^2/NDF: 27194.3/107



Right In: 3.059+/-0.670 χ^2/NDF: 120.1/28

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

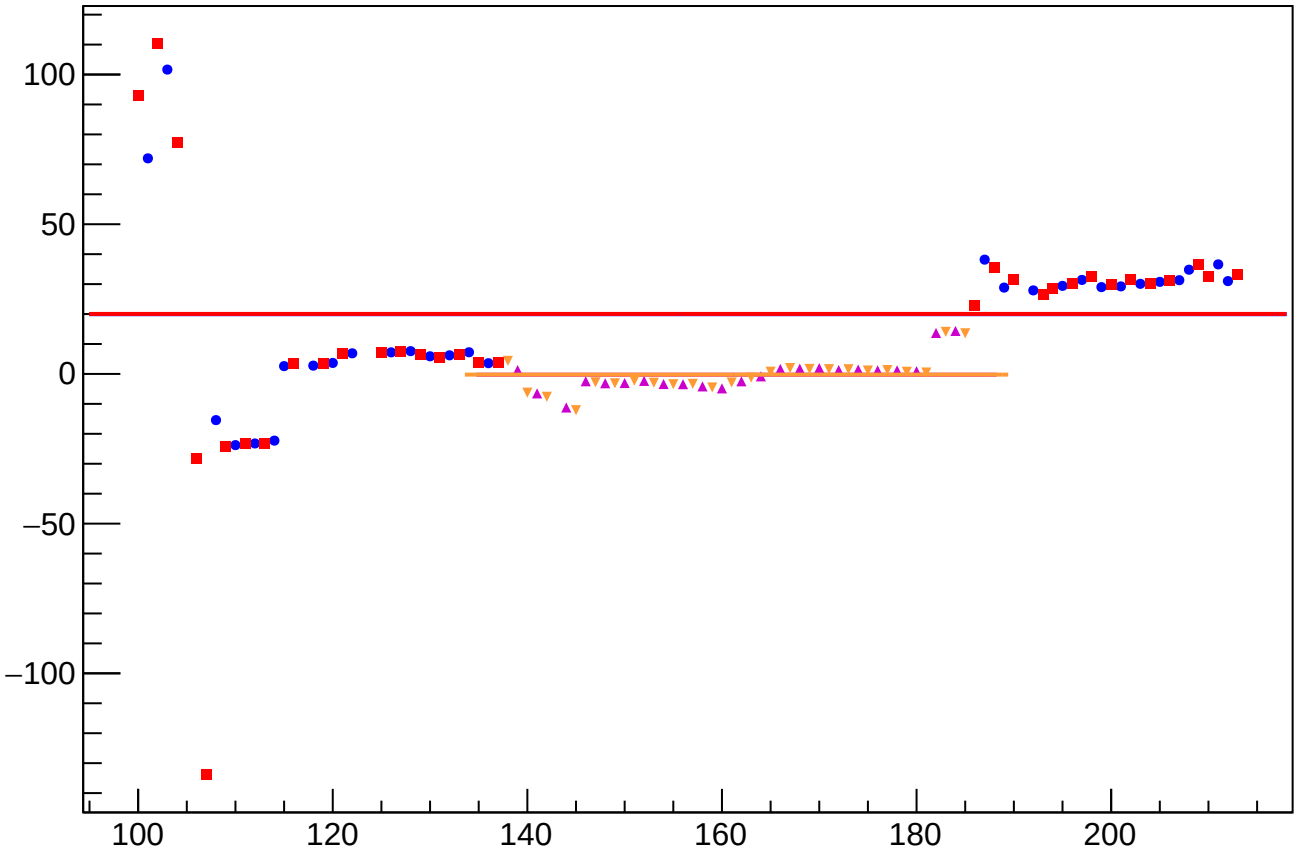
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 2.064+/-0.466 χ^2/NDF: 206.1/60

In: 1.861+/-0.345 χ^2/NDF:287.2/51

Out: 1.525+/-0.337 χ^2/NDF:260.2/55

All: 1.689+/-0.241 χ^2/NDF: 547.9/107



Right In: 19.950+/-0.033 χ^2/NDF: 429087.4/28

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

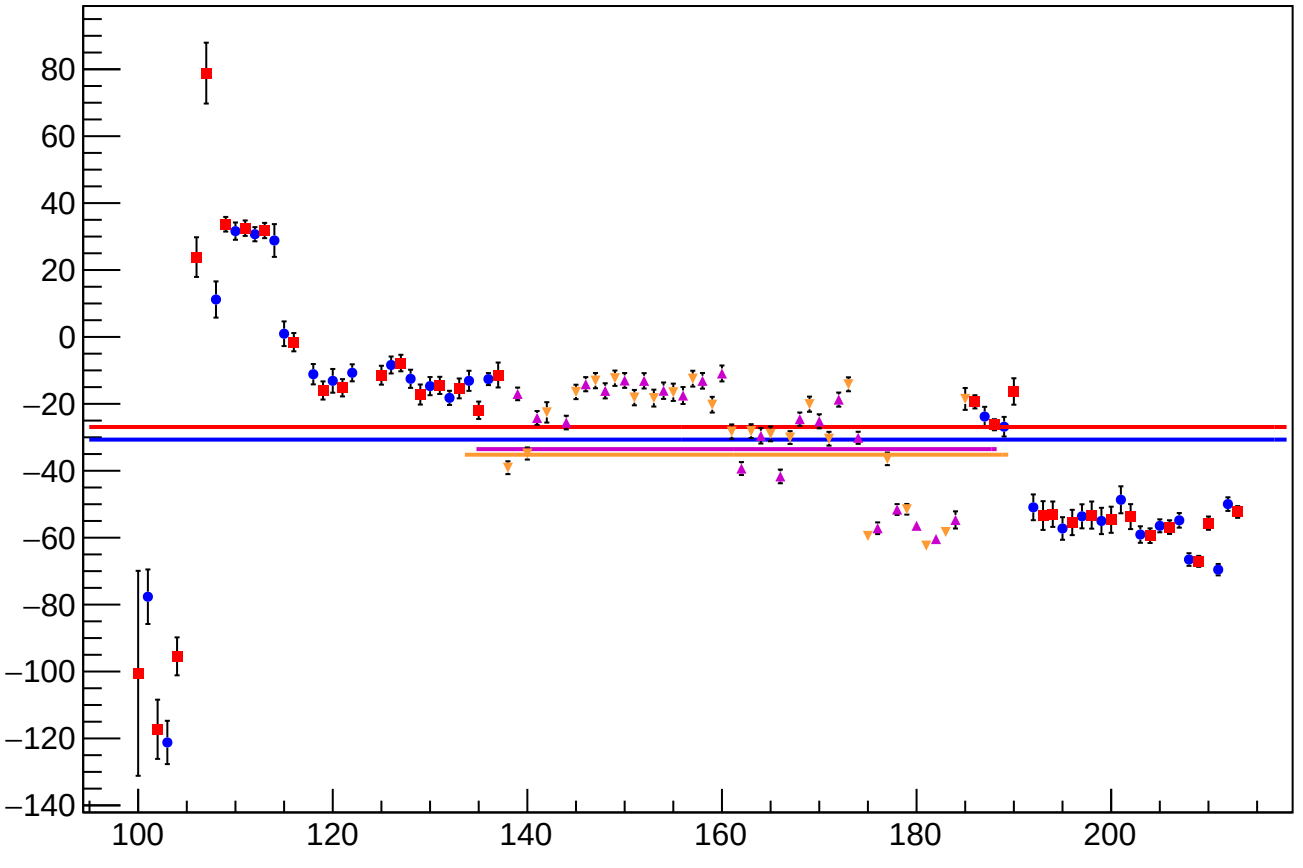
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 19.994+/-0.023 χ^2/NDF: 1031619.8/60

In: 4.215+/-0.016 χ^2/NDF:790095.0/51

Out: 4.279+/-0.016 χ^2/NDF:977204.6/55

All: 4.247+/-0.011 χ^2/NDF: 1767307.9/107



Right In: -30.688+/-0.496 χ^2/NDF: 3979.5/28

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

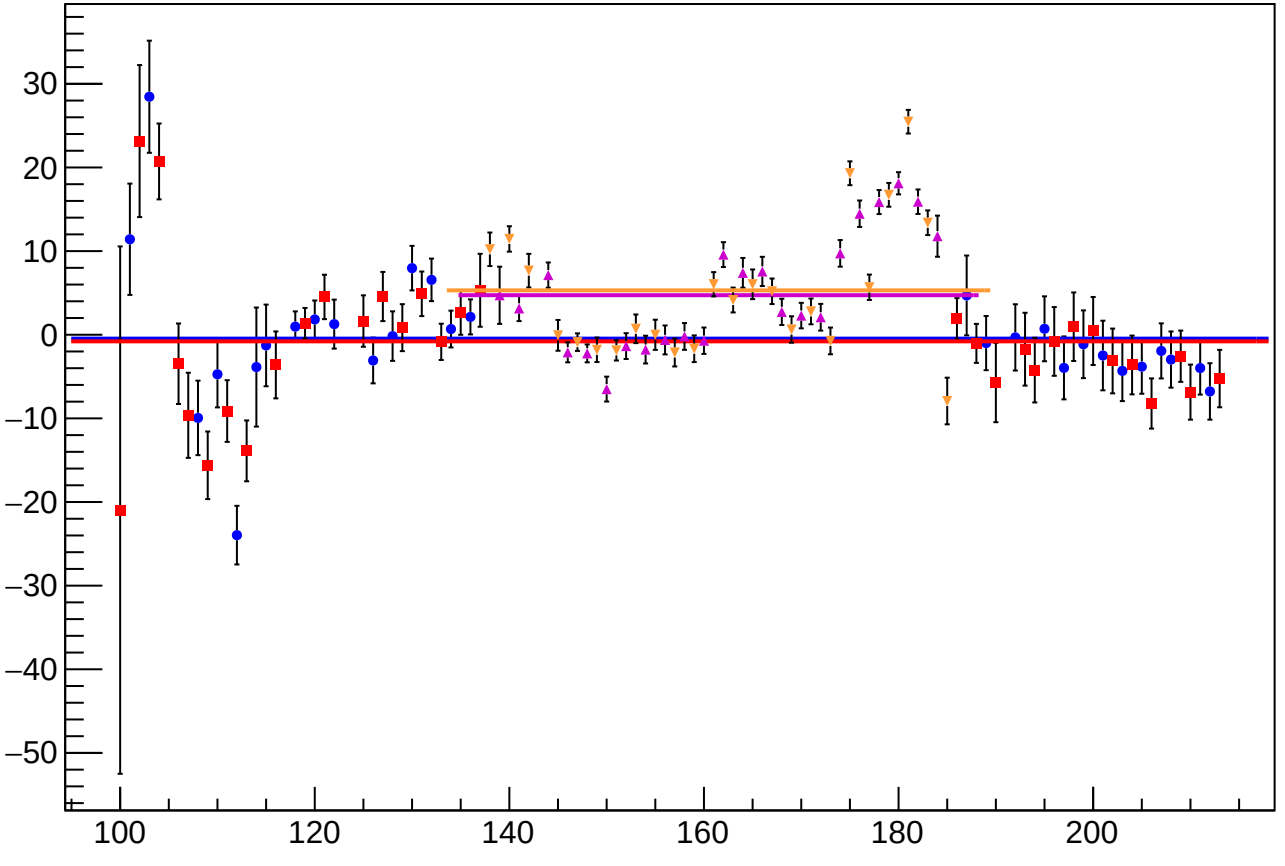
Right: -28.716+/-0.342 χ^2/NDF: 8613.3/60

In: -32.362+/-0.318 χ^2/NDF:5805.0/51

Out: -31.669+/-0.309 χ^2/NDF:6629.8/55

All: -32.006+/-0.222 χ^2/NDF: 12437.3/107

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.465+/-0.588 χ^2/NDF: 105.2/28

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

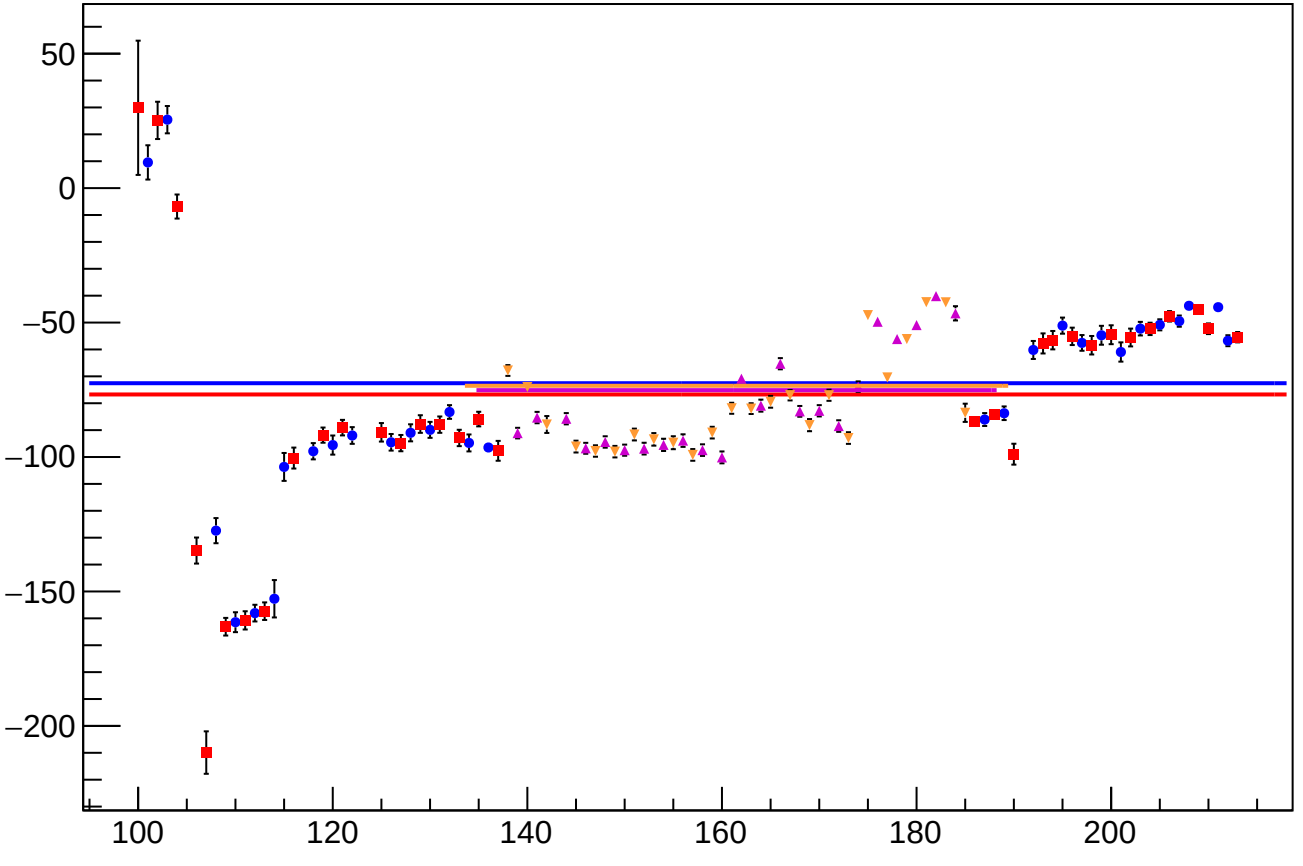
Right: -0.630+/-0.412 χ^2/NDF: 204.3/60

In: 3.534+/-0.282 χ^2/NDF:661.2/51

Out: 3.912+/-0.277 χ^2/NDF:809.1/55

All: 3.727+/-0.197 χ^2/NDF: 1471.2/107

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.554+/-0.512 χ^2/NDF: 3739.7/28

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

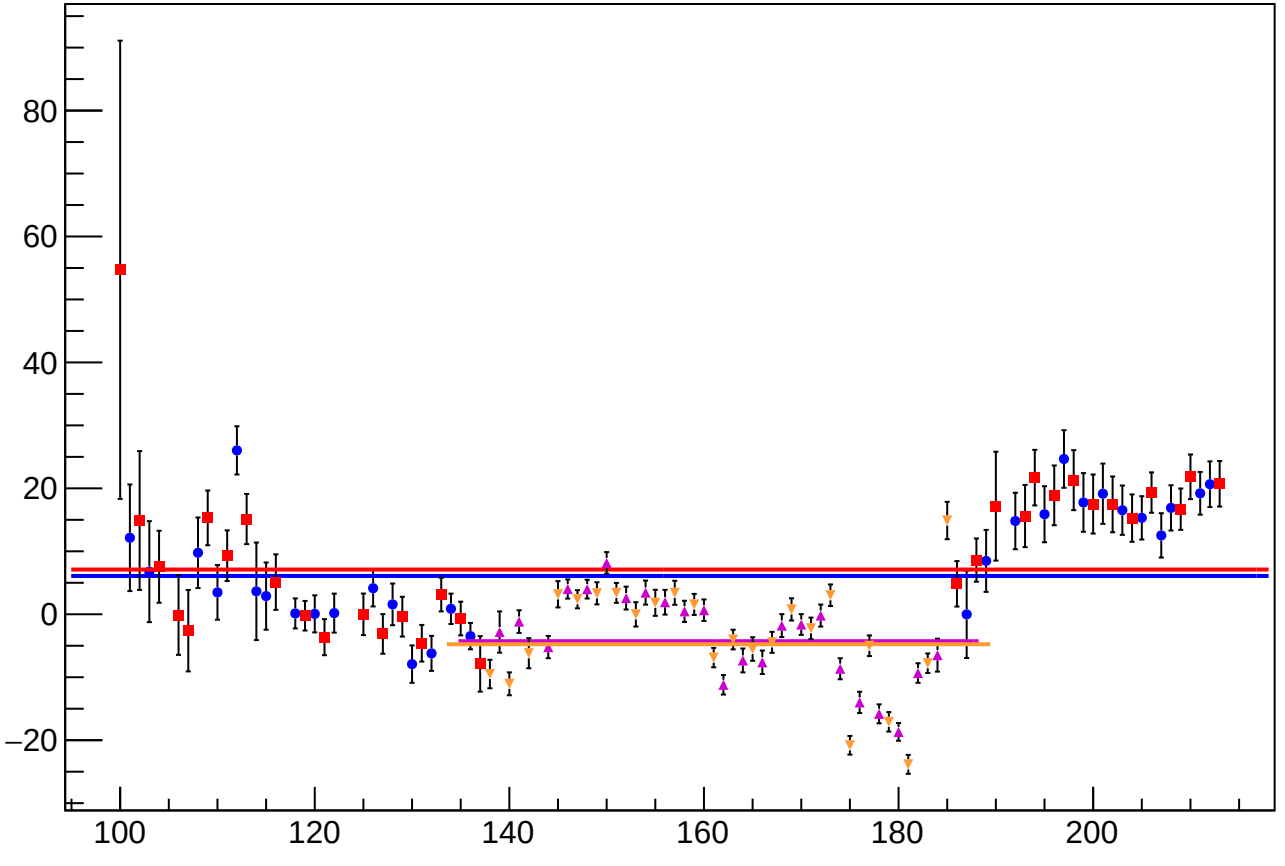
Right: -74.773+/-0.351 χ^2/NDF: 8122.9/60

In: -74.126+/-0.320 χ^2/NDF:6117.1/51

Out: -74.845+/-0.310 χ^2/NDF:6766.1/55

All: -74.497+/-0.223 χ^2/NDF: 12885.7/107

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.083+/-0.666 χ^2/NDF: 210.1/28

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

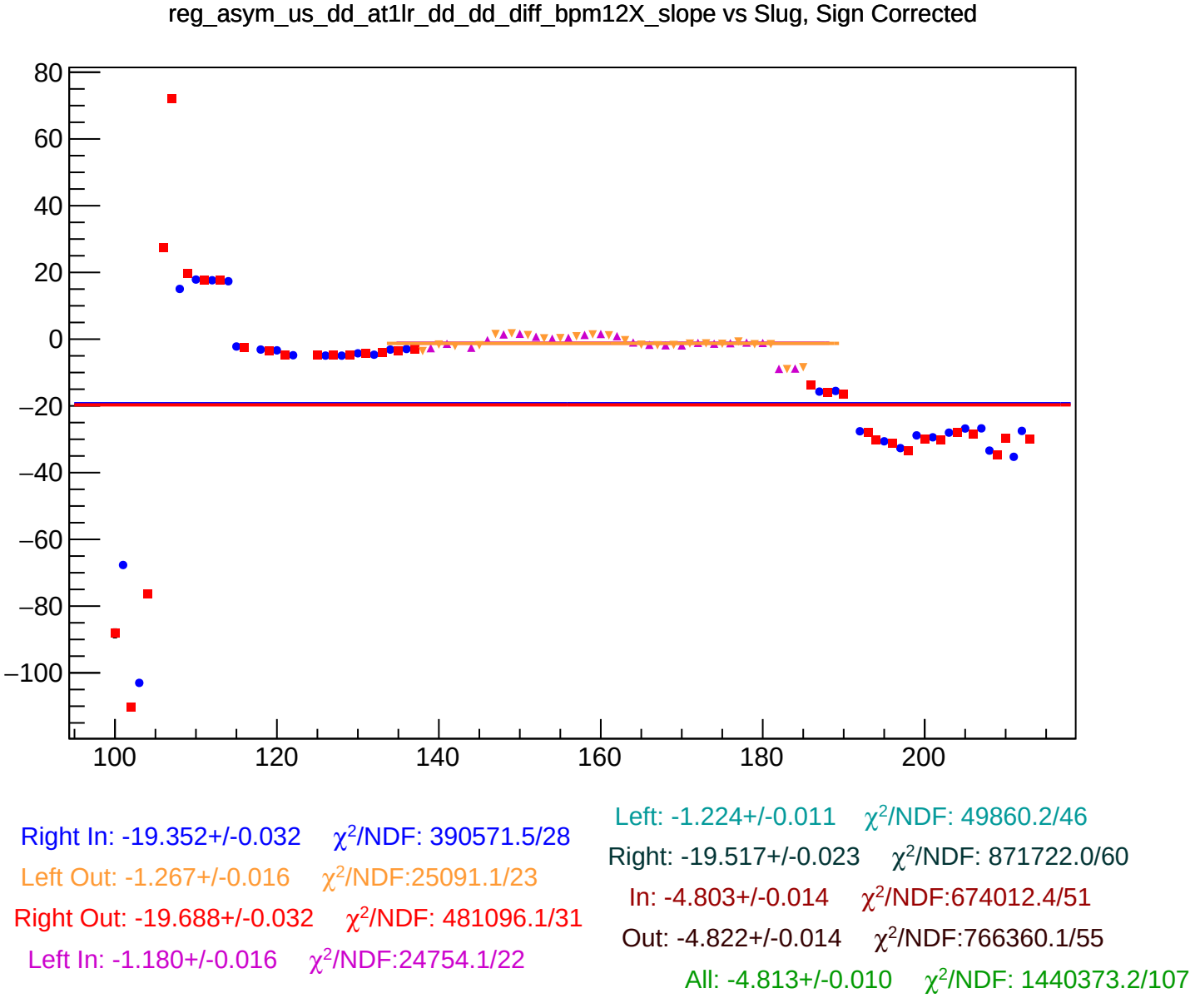
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 6.591+/-0.472 χ^2/NDF: 408.7/60

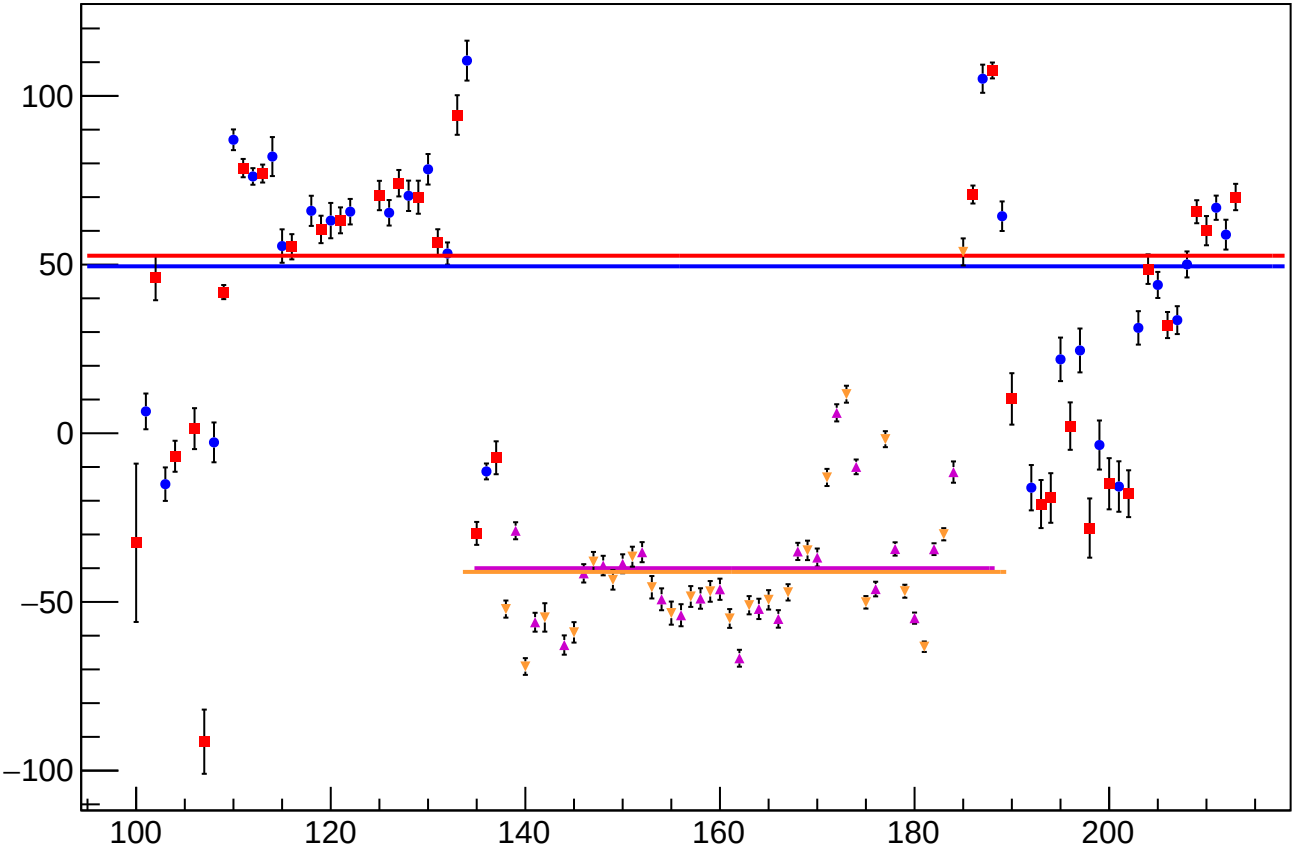
In: -1.927+/-0.317 χ^2/NDF:821.2/51

Out: -2.160+/-0.313 χ^2/NDF:1019.7/55

All: -2.045+/-0.223 χ^2/NDF: 1841.2/107


reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -19.352+/-0.032 χ²/NDF: 390571.5/28
Left Out: -1.267+/-0.016 χ²/NDF:25091.1/23
Right Out: -19.688+/-0.032 χ²/NDF: 481096.1/31
Left In: -1.180+/-0.016 χ²/NDF:24754.1/22
Left: -1.224+/-0.011 χ²/NDF: 49860.2/46
Right: -19.517+/-0.023 χ²/NDF: 871722.0/60
In: -4.803+/-0.014 χ²/NDF:674012.4/51
Out: -4.822+/-0.014 χ²/NDF:766360.1/55
All: -4.813+/-0.010 χ²/NDF: 1440373.2/107

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 49.488+/-0.778 χ^2/NDF: 2009.8/28

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

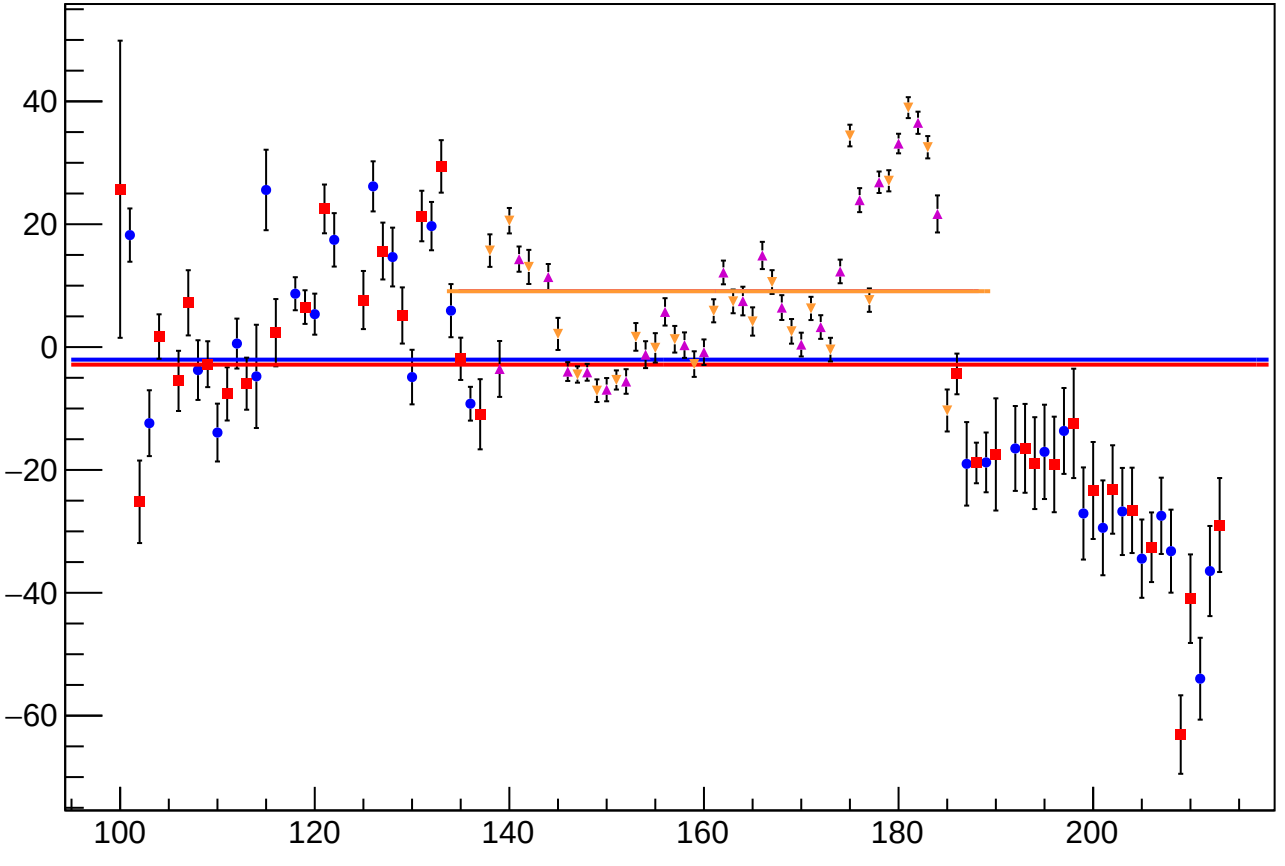
Right: 51.197+/-0.526 χ^2/NDF: 4771.5/60

In: -12.063+/-0.435 χ^2/NDF:12136.7/51

Out: -8.755+/-0.419 χ^2/NDF:16026.3/55

All: -10.347+/-0.302 χ^2/NDF: 28193.1/107

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.043+/-0.895 χ^2/NDF: 404.0/28

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

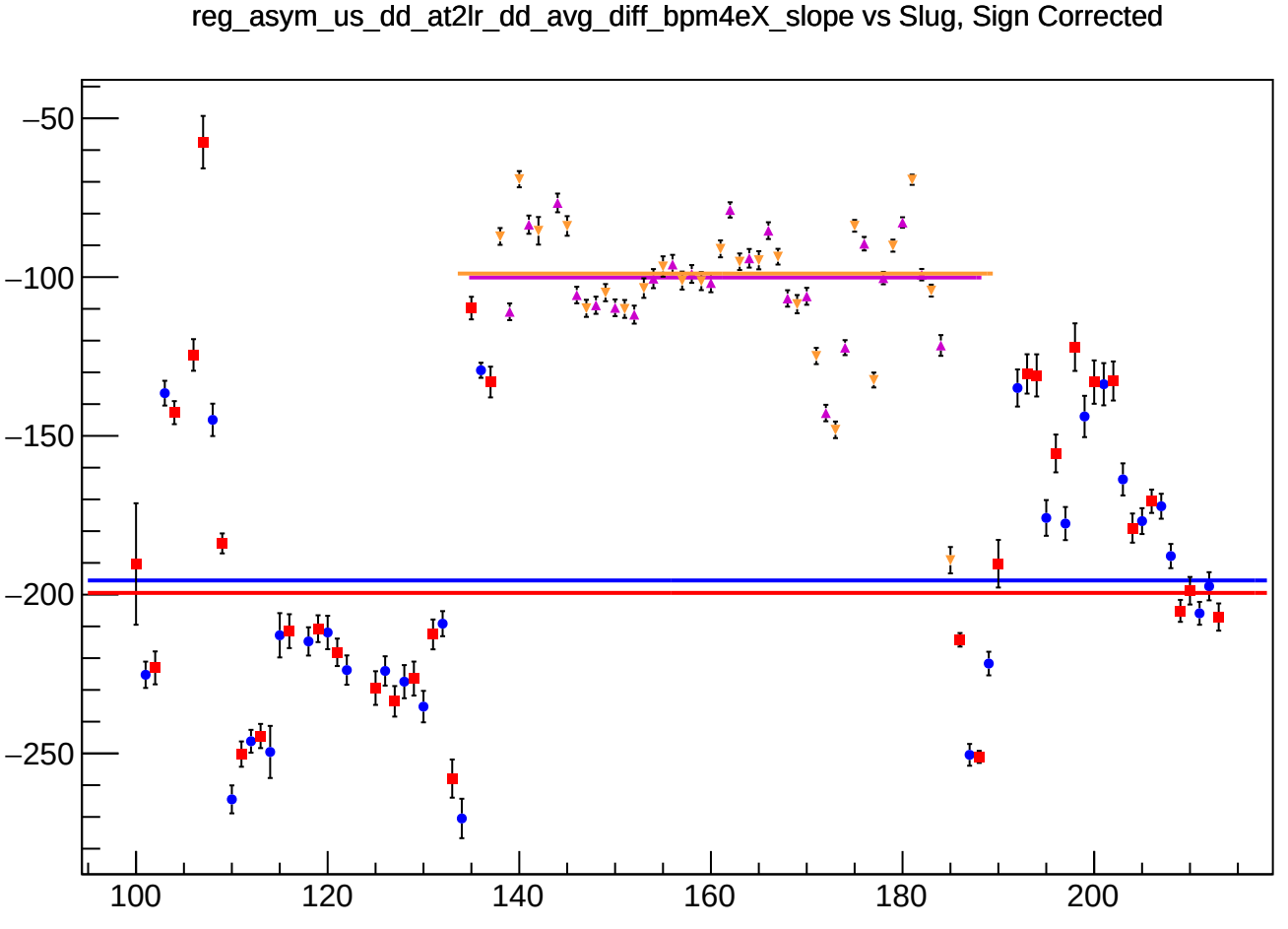
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

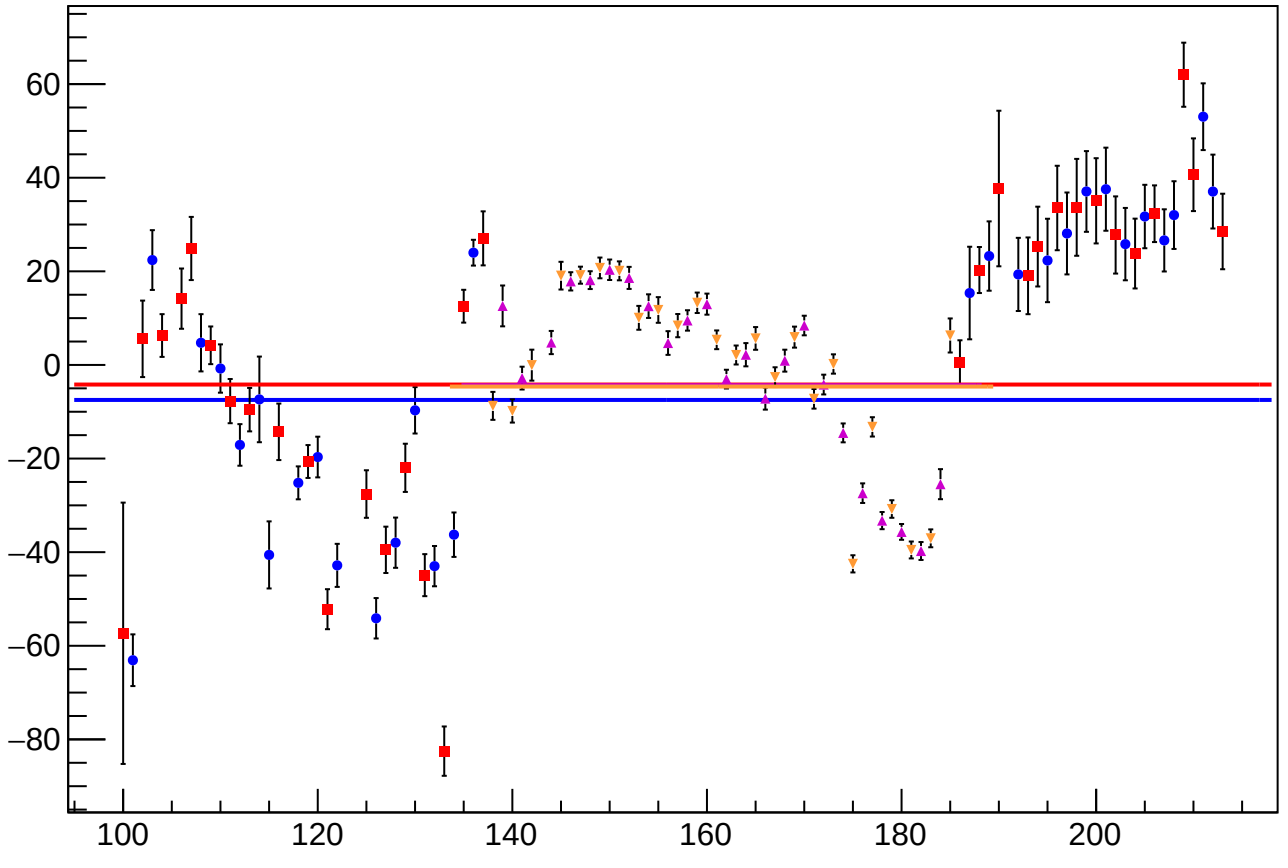
Right: -2.468+/-0.618 χ^2/NDF: 817.2/60

In: 7.192+/-0.372 χ^2/NDF:1584.5/51

Out: 6.940+/-0.363 χ^2/NDF:1826.4/55

All: 7.063+/-0.260 χ^2/NDF: 3411.2/107


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: -195.534+/-0.813 χ²/NDF: 2706.6/28
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: -197.677+/-0.547 χ²/NDF: 6383.2/60
In: -127.855+/-0.438 χ²/NDF:13310.3/51
Out: -131.656+/-0.422 χ²/NDF:17956.8/55
All: -129.826+/-0.304 χ²/NDF: 31306.2/107



Right In: -7.478+/-1.022 χ^2/NDF: 958.3/28

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

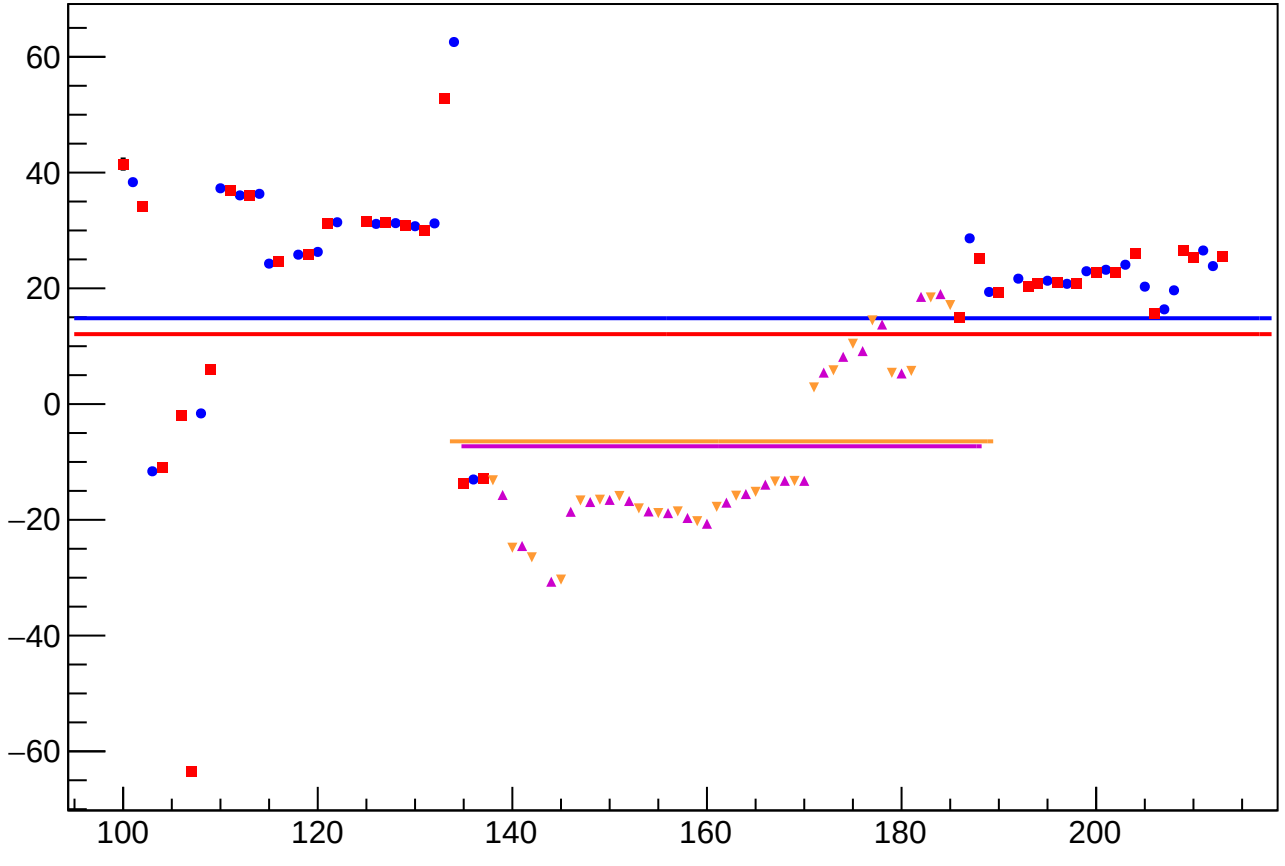
Right: -5.793+/-0.714 χ^2/NDF: 1907.0/60

In: -4.856+/-0.419 χ^2/NDF:2820.4/51

Out: -4.545+/-0.411 χ^2/NDF:3021.9/55

All: -4.698+/-0.293 χ^2/NDF: 5842.5/107

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 14.833+/-0.050 χ^2/NDF: 177421.2/28

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

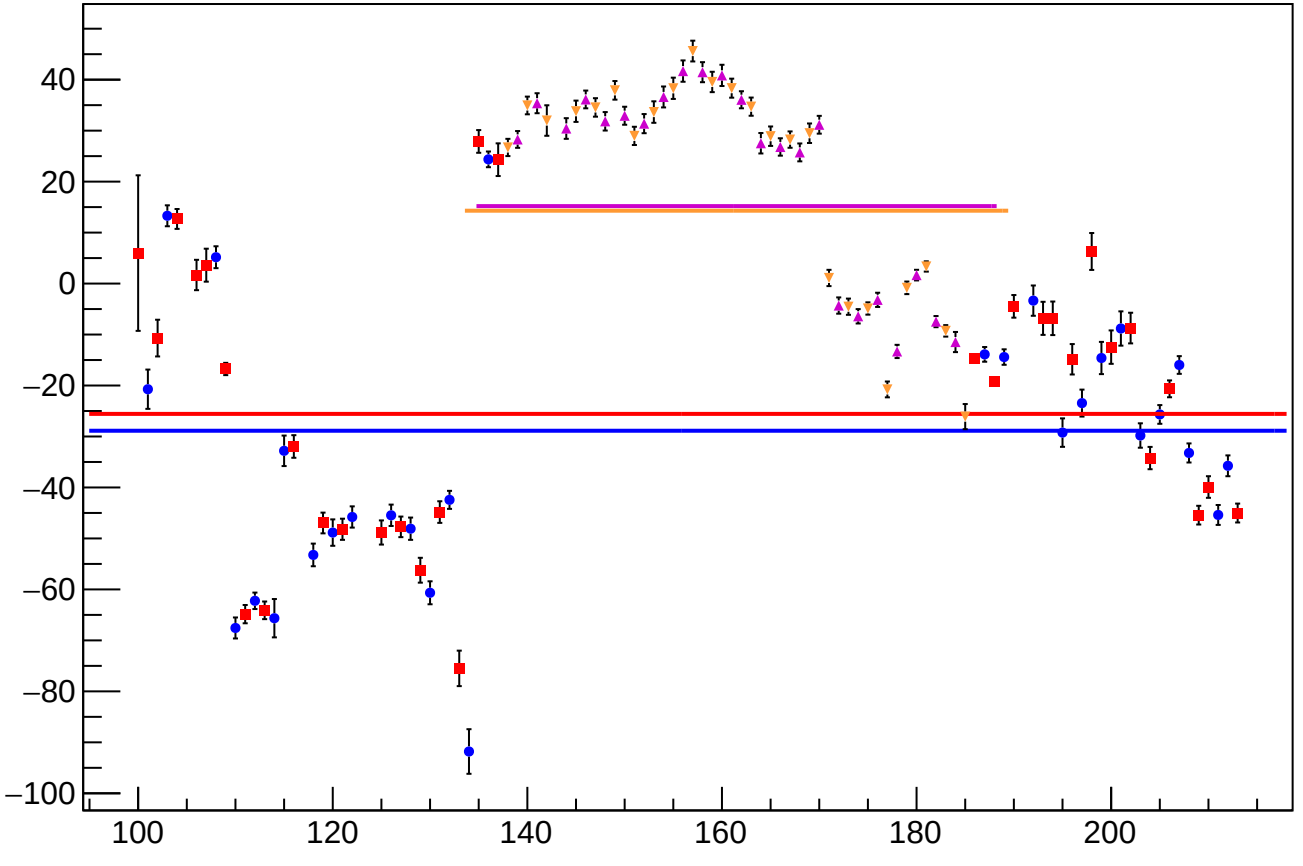
Right: 13.445+/-0.035 χ^2/NDF: 361671.0/60

In: -4.123+/-0.019 χ^2/NDF:835822.6/51

Out: -3.761+/-0.019 χ^2/NDF:800990.7/55

All: -3.941+/-0.013 χ^2/NDF: 1637000.2/107

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.872+/-0.395 χ^2/NDF: 4078.2/28

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -25.567+/-0.344 χ^2/NDF: 4101.6/31

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

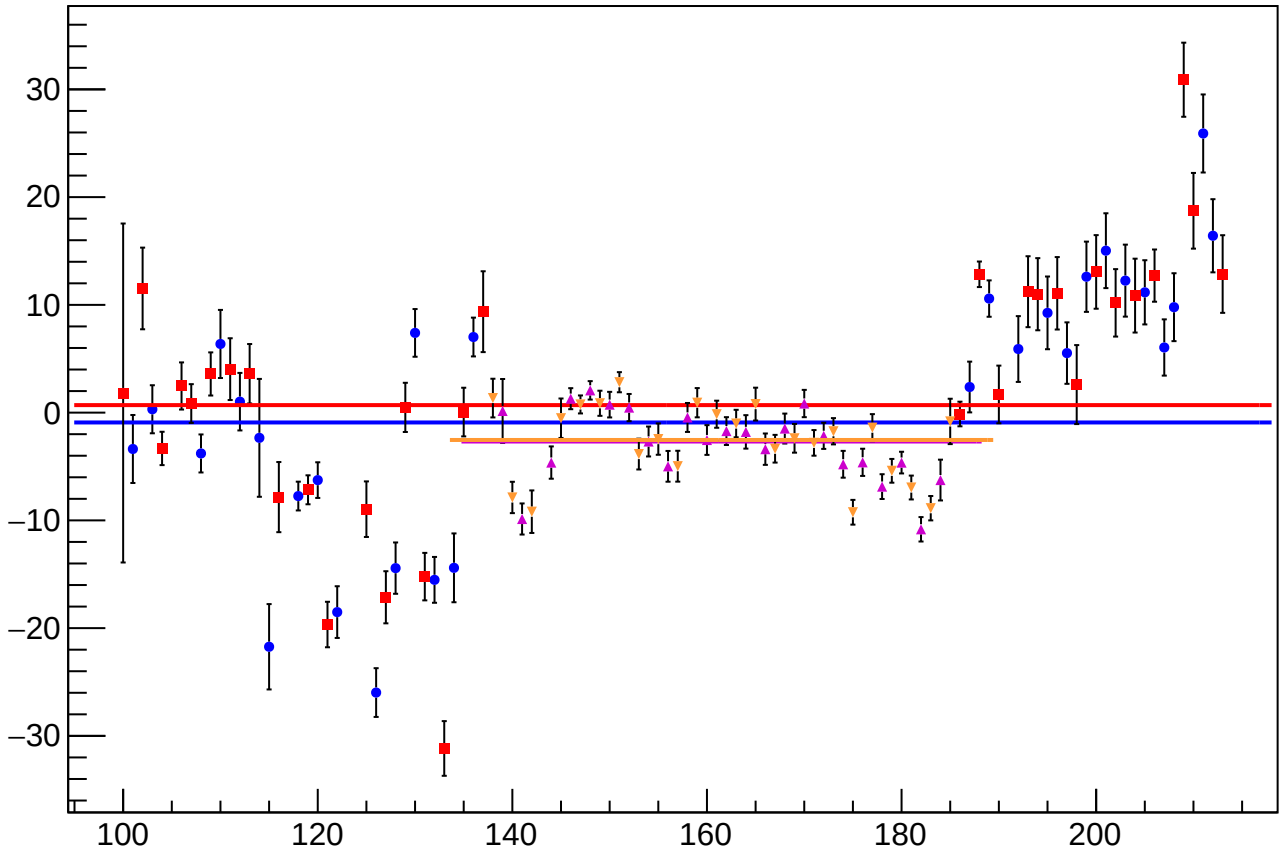
Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

Right: -26.991+/-0.259 χ^2/NDF: 8219.7/60

In: -3.526+/-0.257 χ^2/NDF:14645.2/51

Out: -5.138+/-0.240 χ^2/NDF:14722.3/55

All: -4.389+/-0.176 χ^2/NDF: 29388.5/107



Right In: -0.913+/-0.452 χ^2/NDF: 618.3/28

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: 0.698+/-0.402 χ^2/NDF: 743.6/31

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

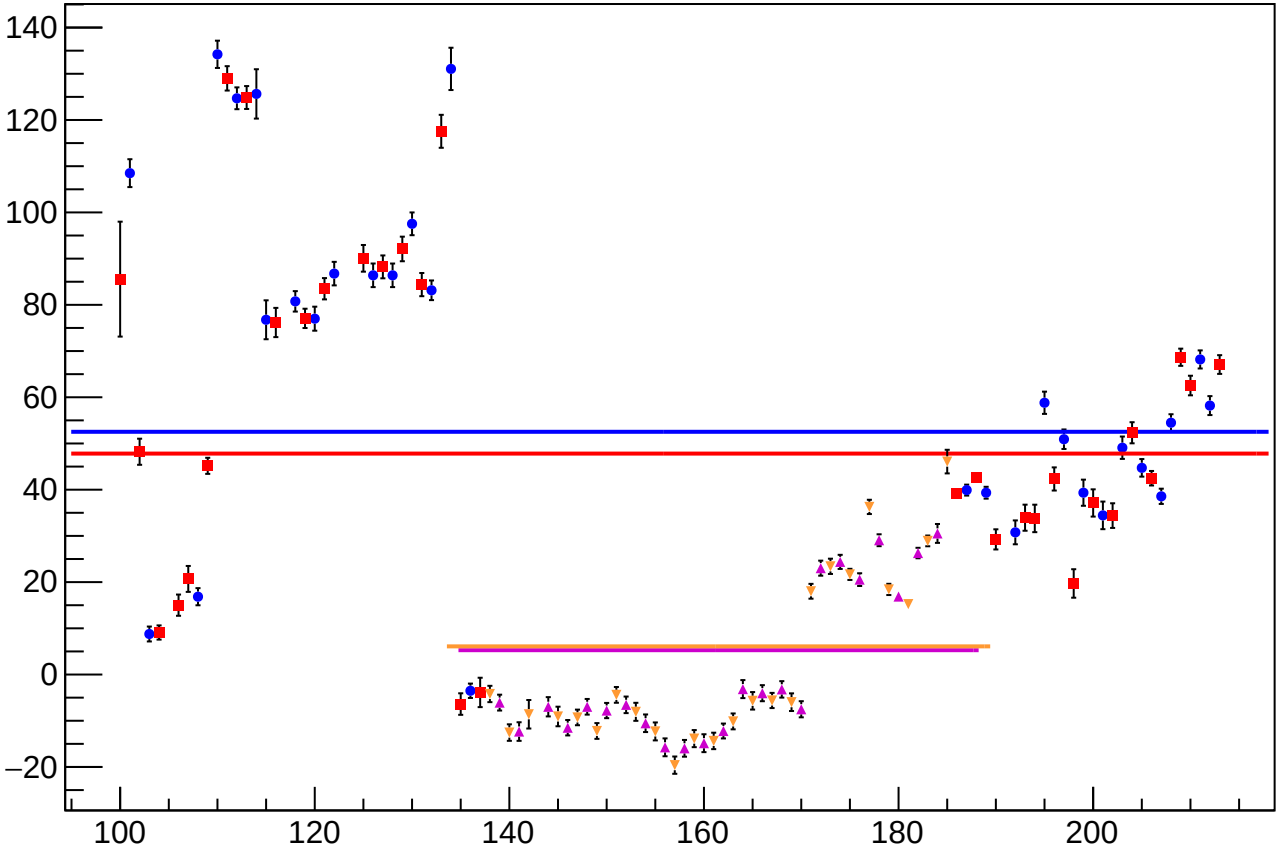
Right: -0.015+/-0.300 χ^2/NDF: 1369.0/60

In: -2.229+/-0.228 χ^2/NDF:811.7/51

Out: -1.590+/-0.218 χ^2/NDF:987.7/55

All: -1.894+/-0.158 χ^2/NDF: 1803.5/107

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 52.529+/-0.391 χ^2/NDF: 6807.2/28

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

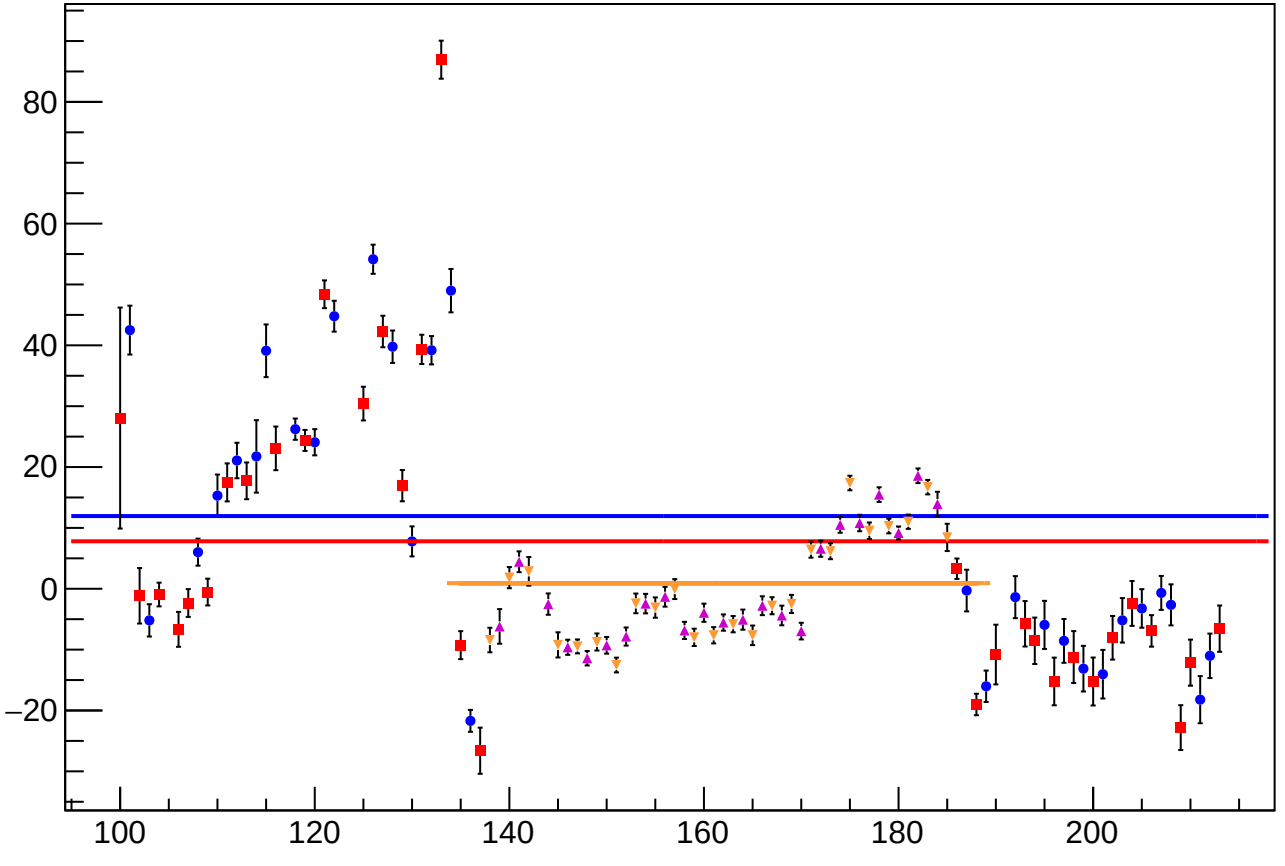
Right: 49.768+/-0.252 χ^2/NDF: 13138.7/60

In: 25.386+/-0.255 χ^2/NDF:17652.9/51

Out: 27.194+/-0.234 χ^2/NDF:16964.3/55

All: 26.368+/-0.172 χ^2/NDF: 34644.5/107

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.945+/-0.529 χ^2/NDF: 1911.9/28

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

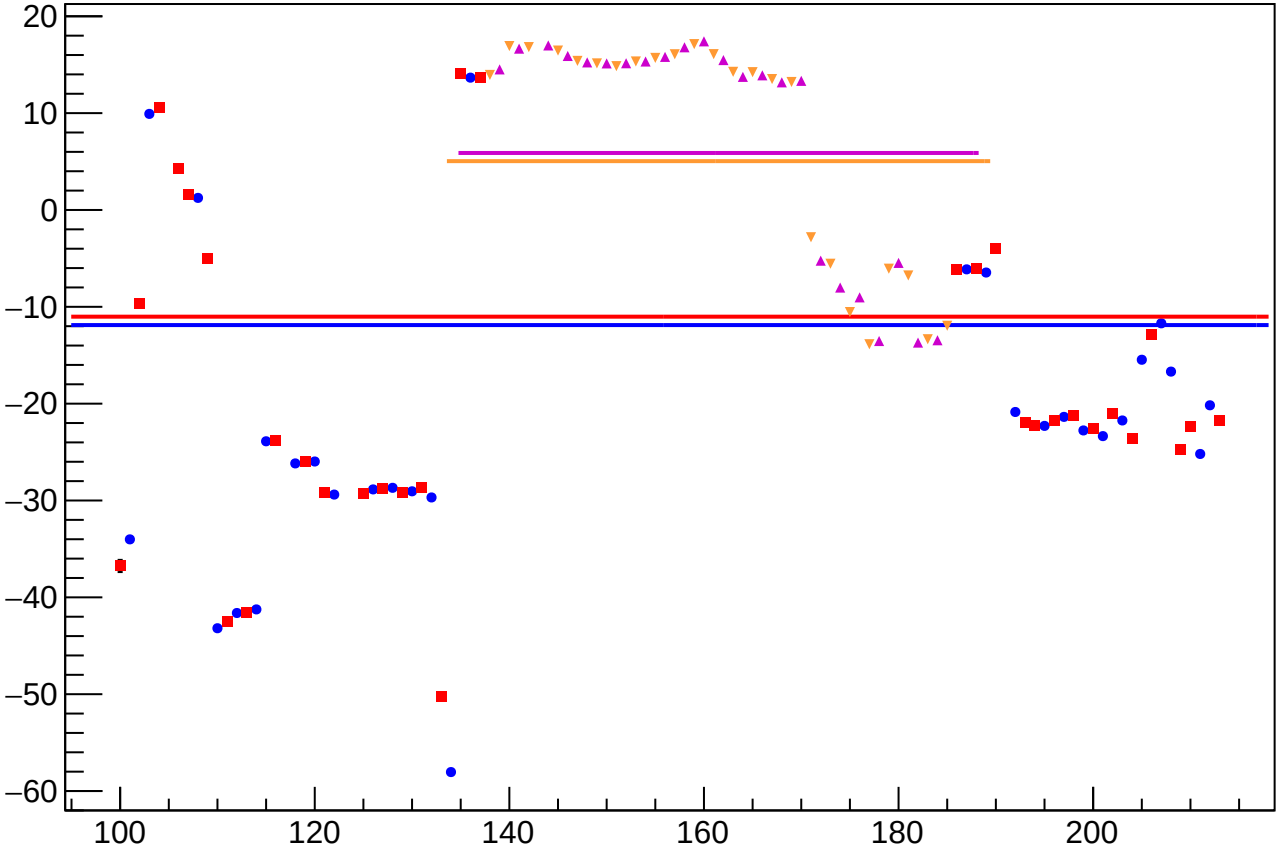
Right: 9.712+/-0.359 χ^2/NDF: 4226.9/60

In: 3.530+/-0.259 χ^2/NDF:3250.0/51

Out: 2.731+/-0.251 χ^2/NDF:3469.2/55

All: 3.117+/-0.180 χ^2/NDF: 6724.1/107

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -11.885+/-0.024 χ^2/NDF: 497682.6/28

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

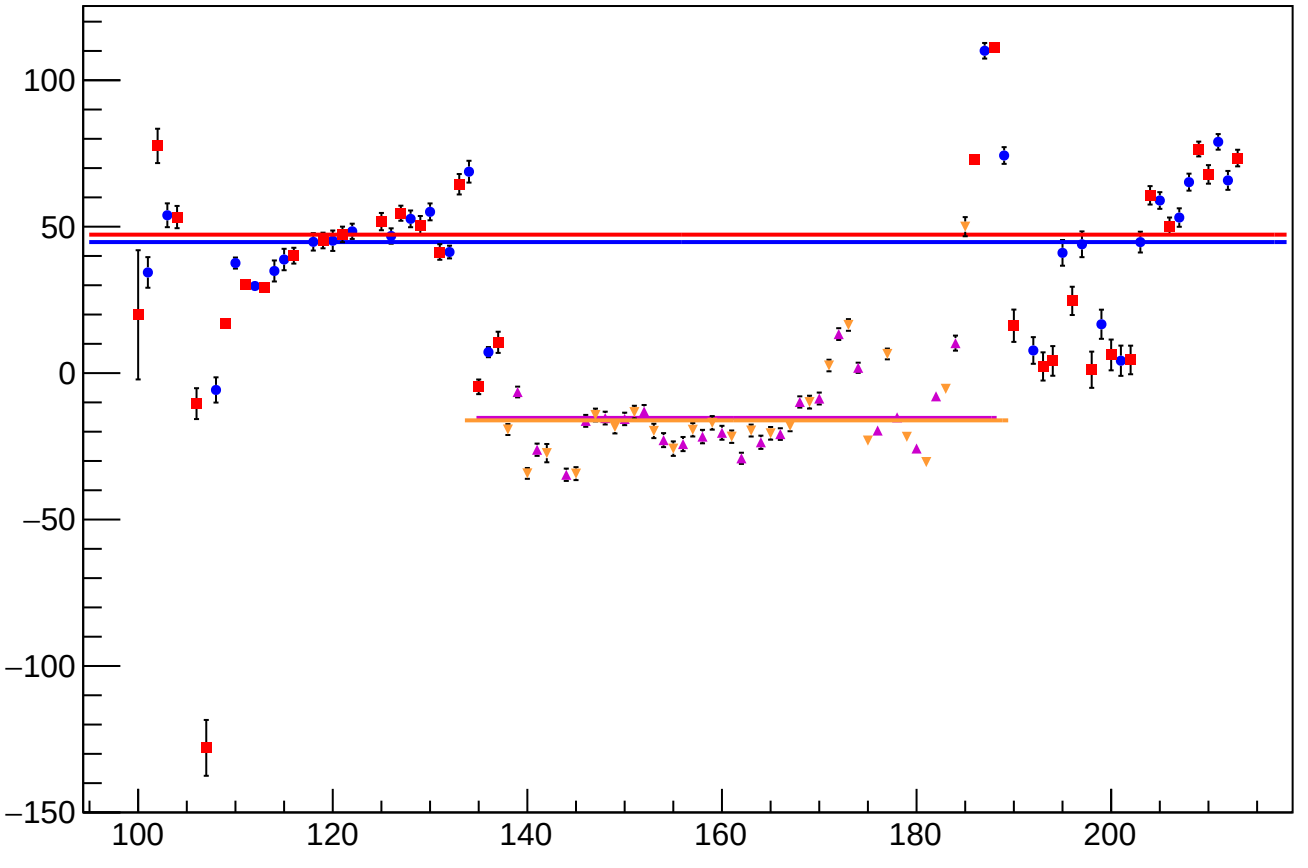
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -11.438+/-0.017 χ^2/NDF: 920433.2/60

In: 1.850+/-0.012 χ^2/NDF:1758992.3/51

Out: 1.257+/-0.011 χ^2/NDF:1633972.5/55

All: 1.550+/-0.008 χ^2/NDF: 3394299.3/107



Right In: 44.743+/-0.537 χ^2/NDF: 1952.1/28

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

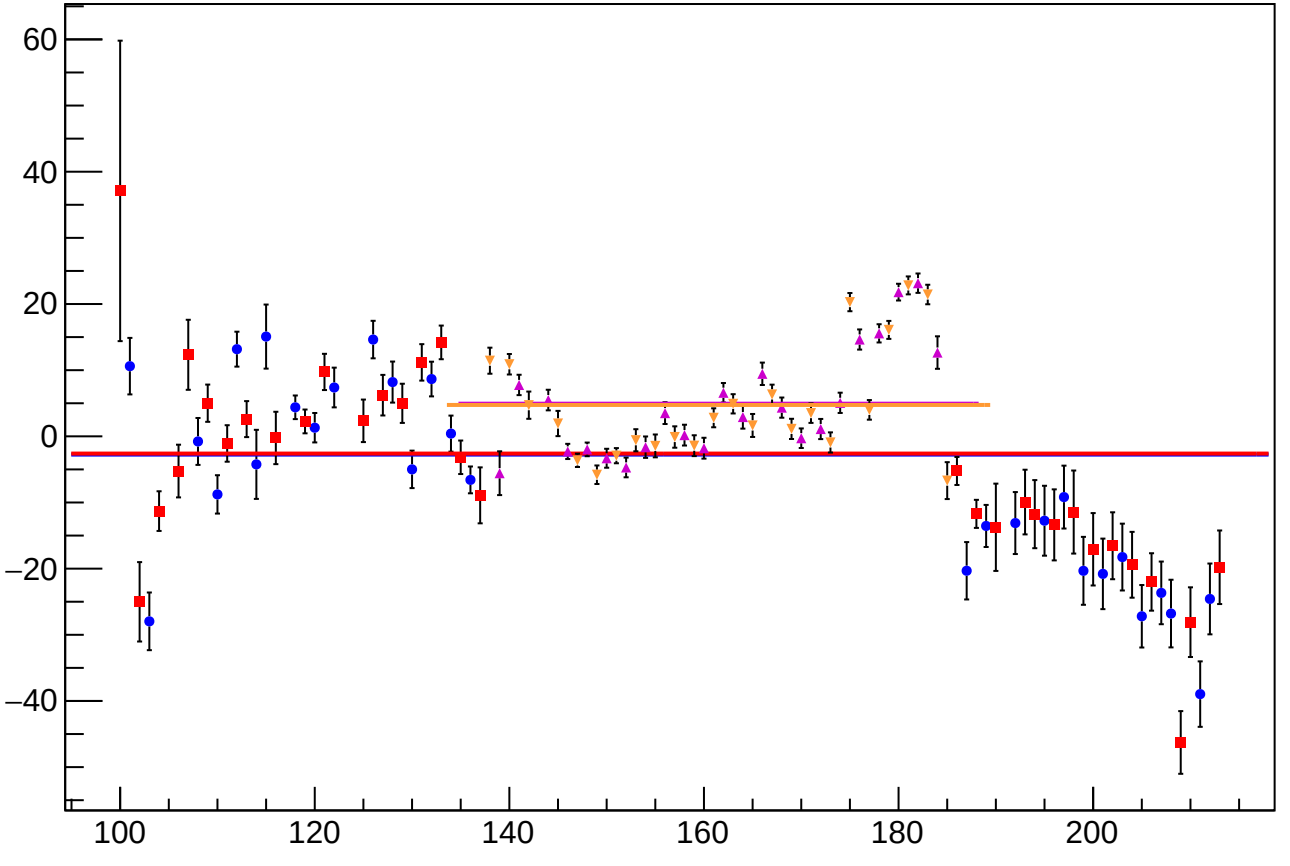
Right: 46.121+/-0.362 χ^2/NDF: 6345.1/60

In: 6.371+/-0.322 χ^2/NDF:10714.0/51

Out: 9.008+/-0.309 χ^2/NDF:15814.2/55

All: 7.745+/-0.223 χ^2/NDF: 26563.0/107

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.759+/-0.617 χ^2/NDF: 412.6/28

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

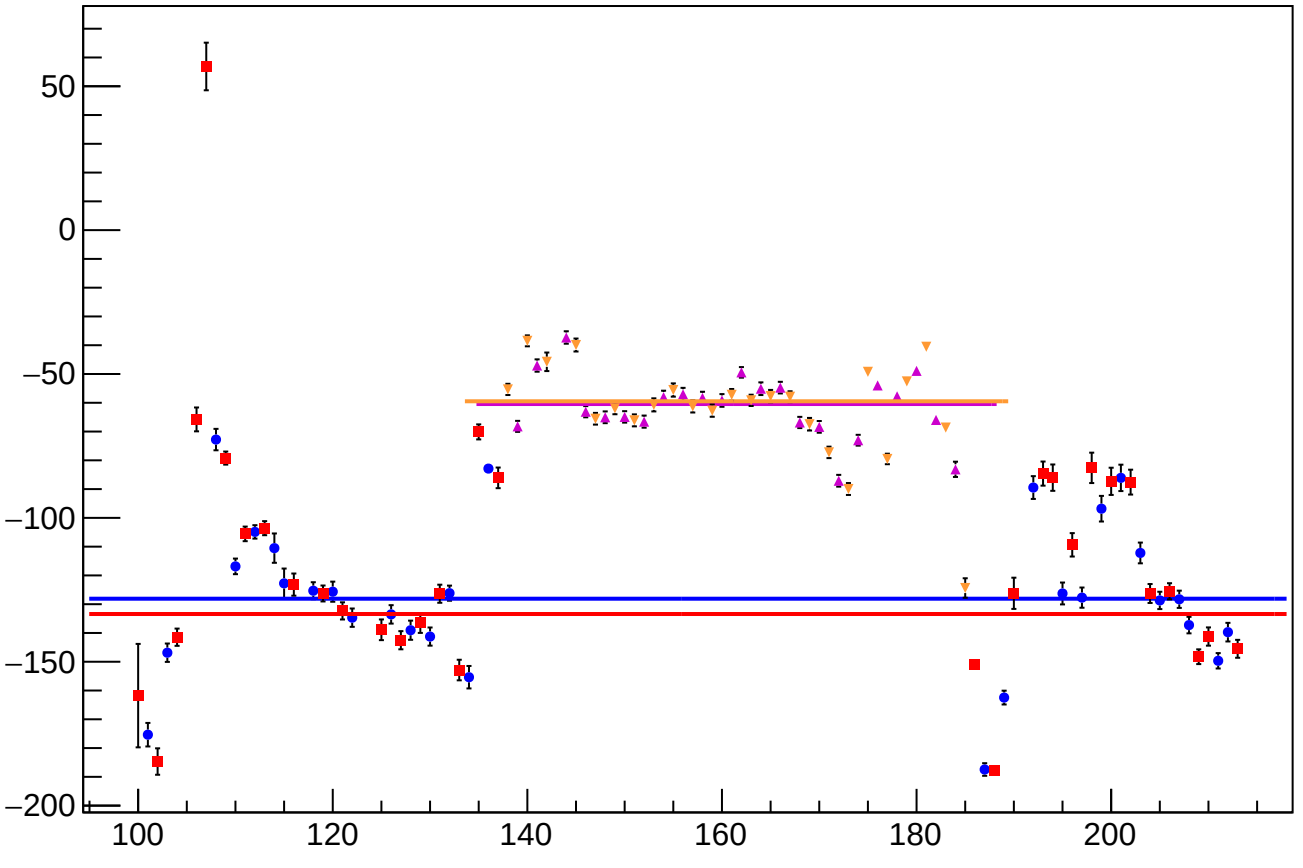
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -2.680+/-0.428 χ^2/NDF: 772.0/60

In: 3.361+/-0.279 χ^2/NDF:1224.6/51

Out: 3.196+/-0.272 χ^2/NDF:1274.4/55

All: 3.276+/-0.195 χ^2/NDF: 2499.2/107



Right In: -128.093+/-0.568 χ^2/NDF: 2547.3/28

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

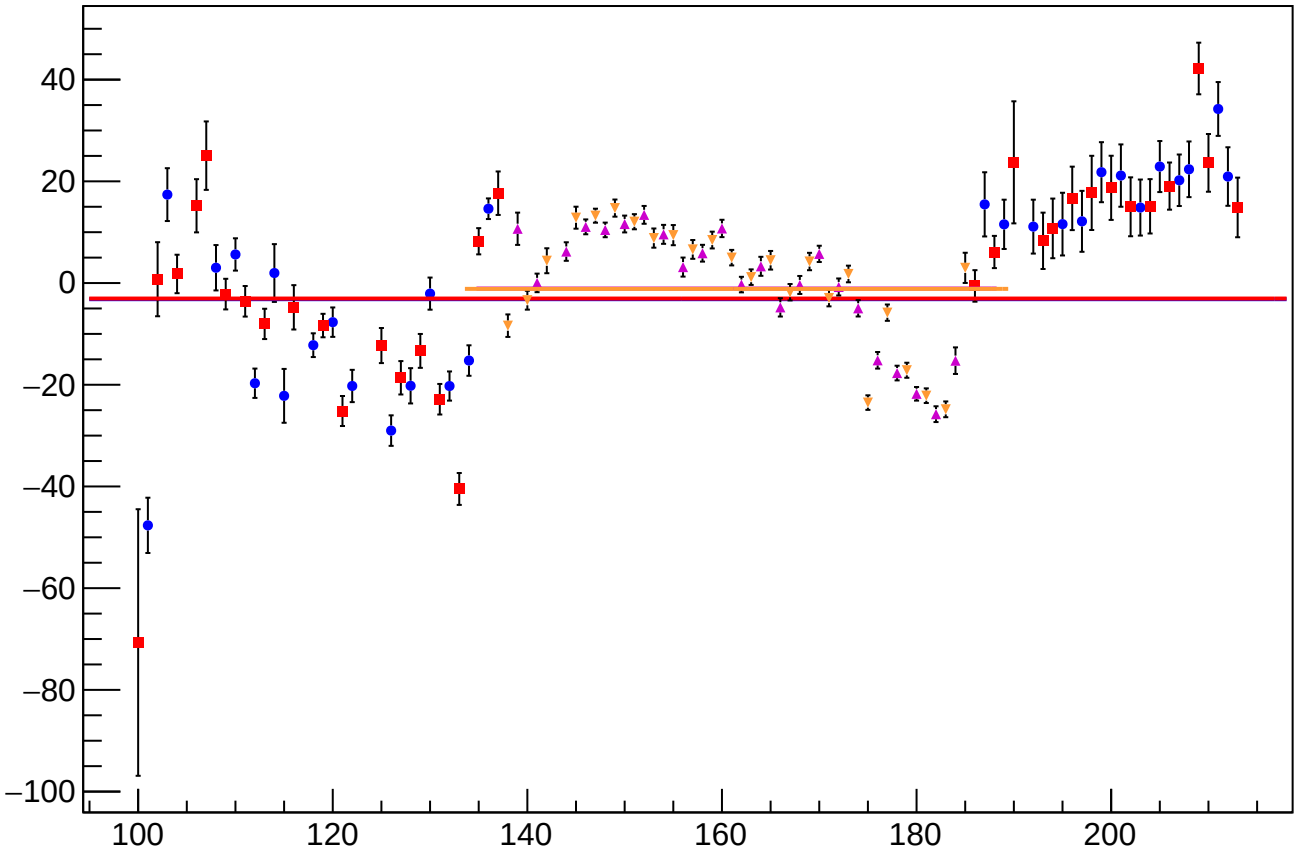
Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

Right: -131.037+/-0.380 χ^2/NDF: 7980.9/60

In: -82.809+/-0.327 χ^2/NDF:12699.8/51

Out: -87.166+/-0.312 χ^2/NDF:19881.2/55

All: -85.086+/-0.226 χ^2/NDF: 32674.0/107



Right In: -3.173+/-0.707 χ^2/NDF: 631.4/28

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

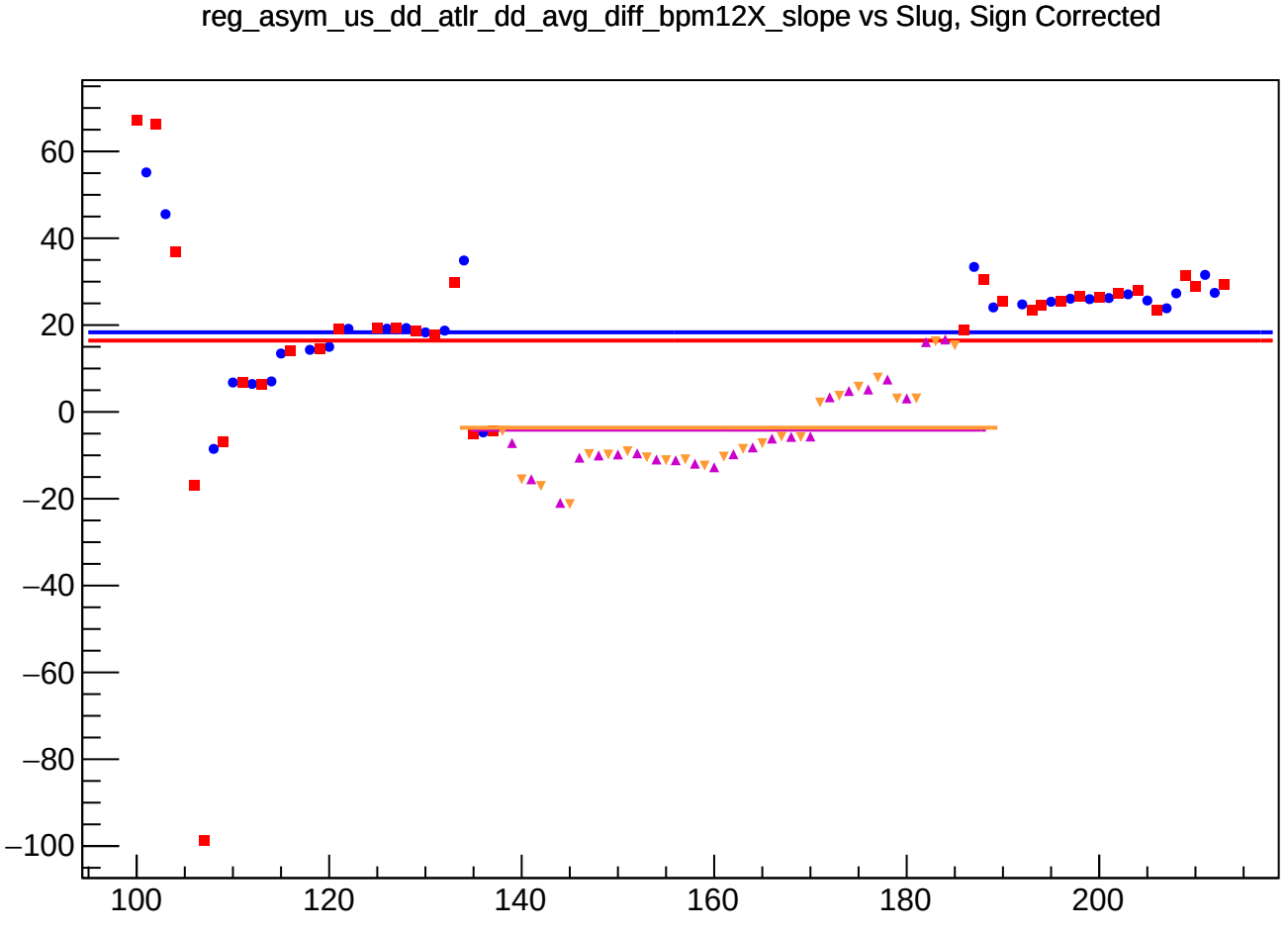
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -3.109+/-0.495 χ^2/NDF: 1210.4/60

In: -1.497+/-0.315 χ^2/NDF:1795.9/51

Out: -1.522+/-0.309 χ^2/NDF:1888.0/55

All: -1.510+/-0.221 χ^2/NDF: 3683.8/107



Right In: 18.337+/-0.036 χ^2/NDF: 215757.5/28

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

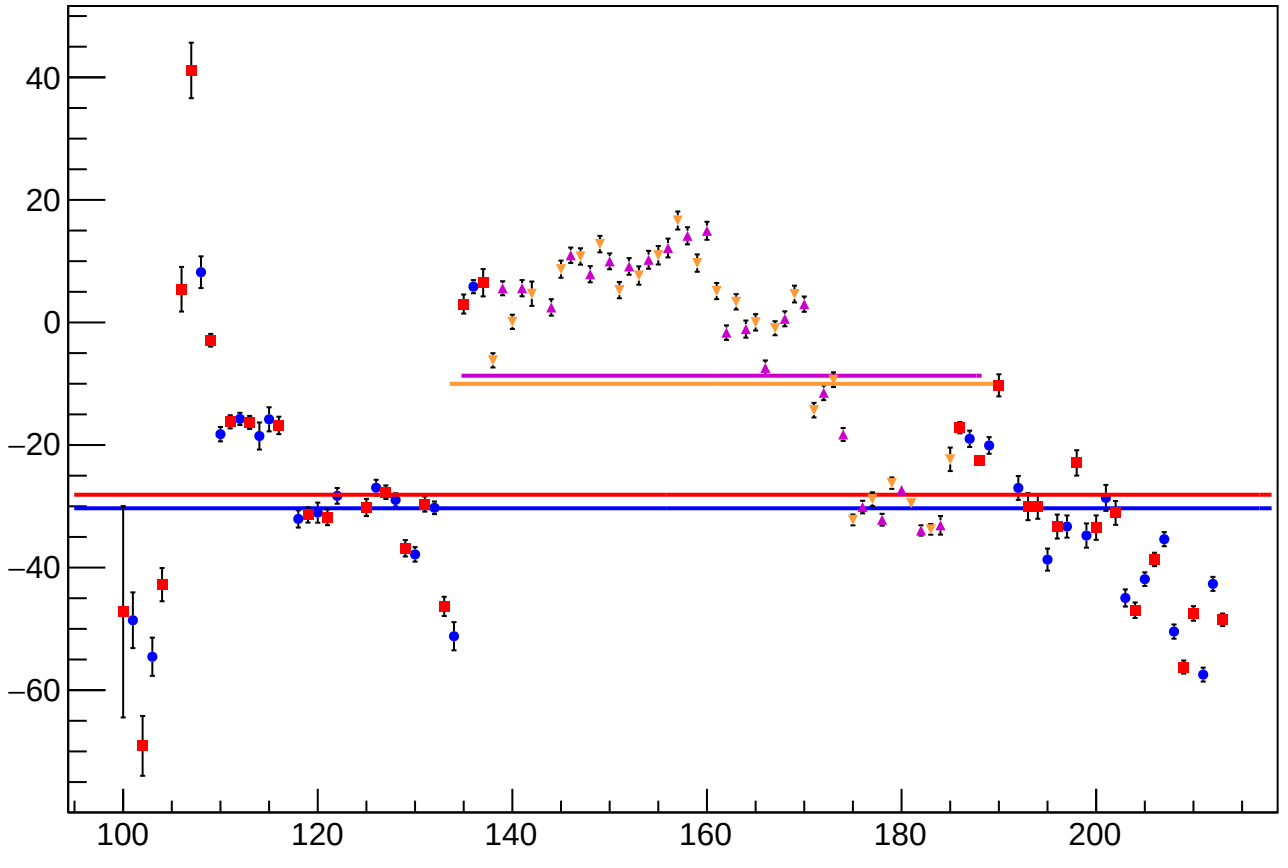
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 17.390+/-0.025 χ^2/NDF: 569121.7/60

In: -0.491+/-0.014 χ^2/NDF:883756.1/51

Out: -0.467+/-0.014 χ^2/NDF:964520.1/55

All: -0.479+/-0.010 χ^2/NDF: 1848277.7/107



Right In: -30.322+/-0.259 χ^2/NDF: 3355.7/28

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

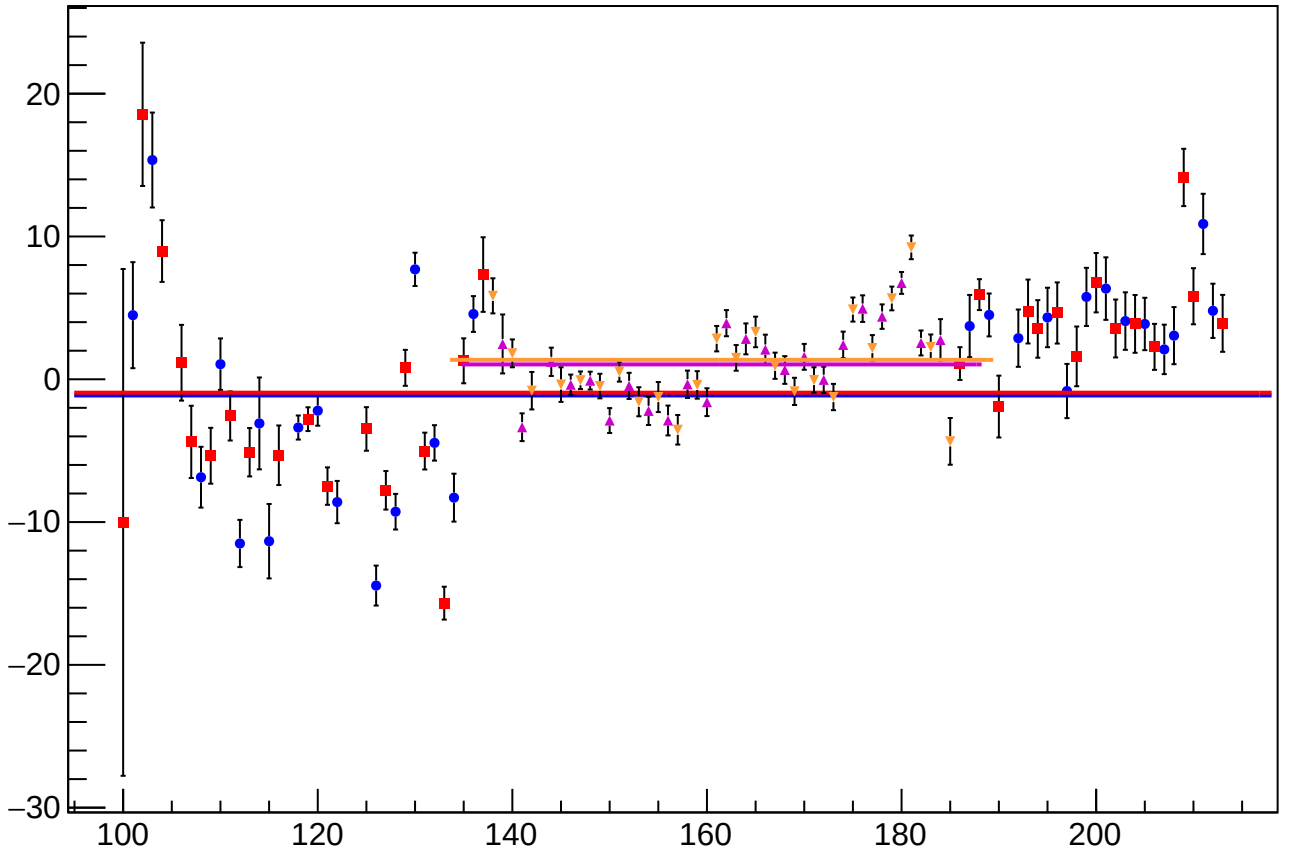
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -29.148+/-0.177 χ^2/NDF: 7533.4/60

In: -19.039+/-0.179 χ^2/NDF:12027.4/51

Out: -19.104+/-0.172 χ^2/NDF:11872.7/55

All: -19.073+/-0.124 χ^2/NDF: 23900.2/107



Right In: -1.132+/-0.300 χ^2/NDF: 478.1/28

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

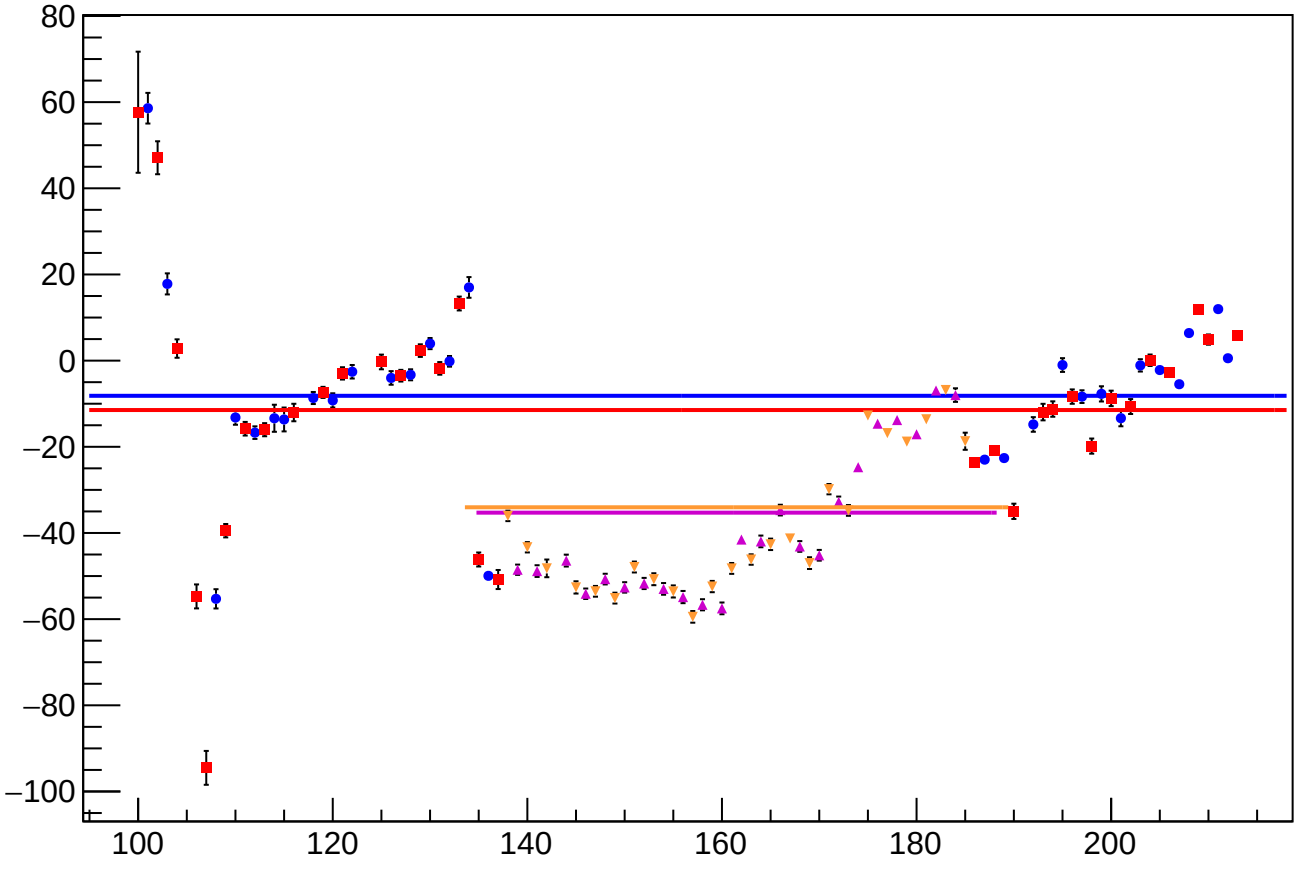
Right: -1.032+/-0.209 χ^2/NDF: 945.7/60

In: 0.408+/-0.162 χ^2/NDF:711.3/51

Out: 0.680+/-0.158 χ^2/NDF:751.9/55

All: 0.548+/-0.113 χ^2/NDF: 1464.6/107

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -8.163+/-0.269 χ^2/NDF: 3690.6/28

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

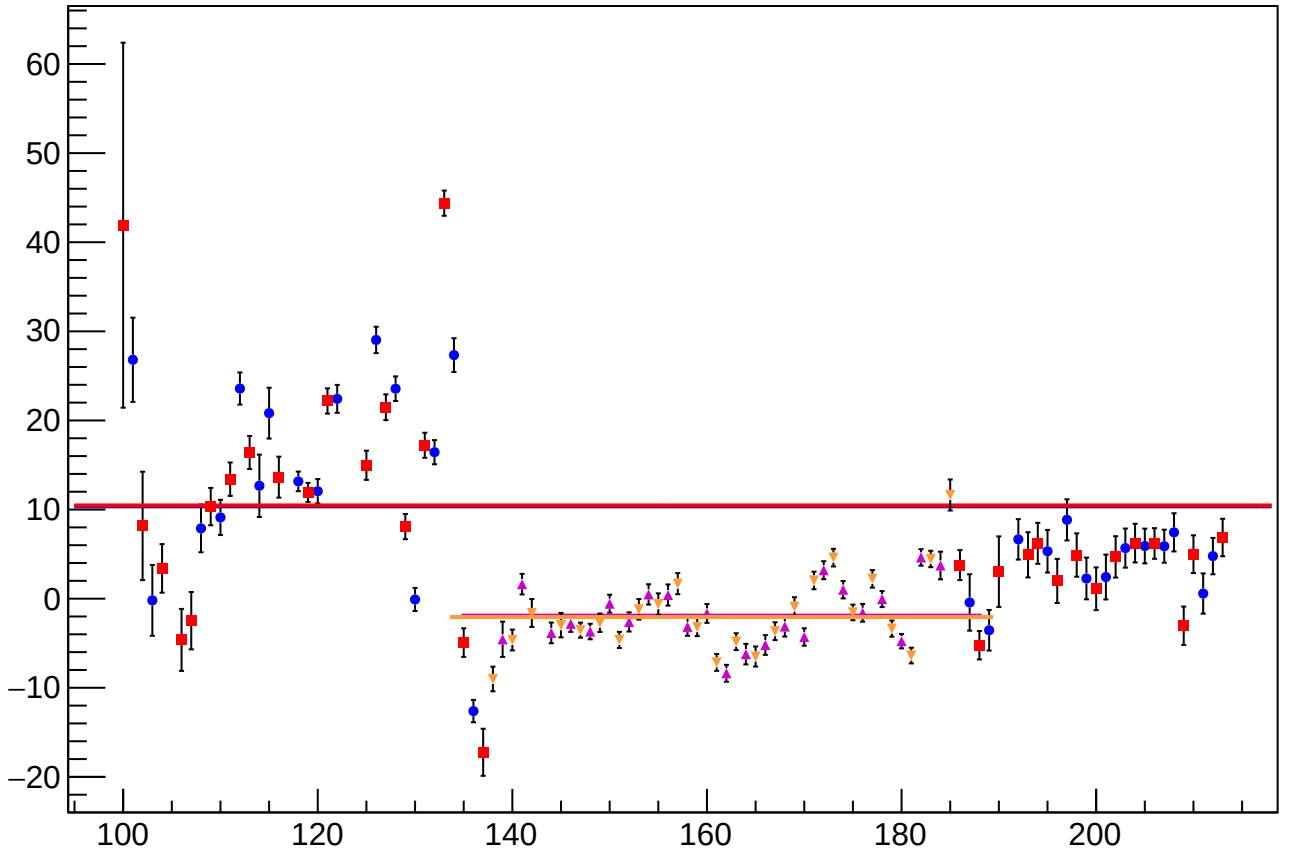
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -9.954+/-0.182 χ^2/NDF: 8107.1/60

In: -22.977+/-0.181 χ^2/NDF:14230.8/51

Out: -22.972+/-0.173 χ^2/NDF:13545.3/55

All: -22.975+/-0.125 χ^2/NDF: 27776.2/107



Right In: 10.363+/-0.345 χ^2/NDF: 1028.0/28

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 10.460+/-0.340 χ^2/NDF: 1218.9/31

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

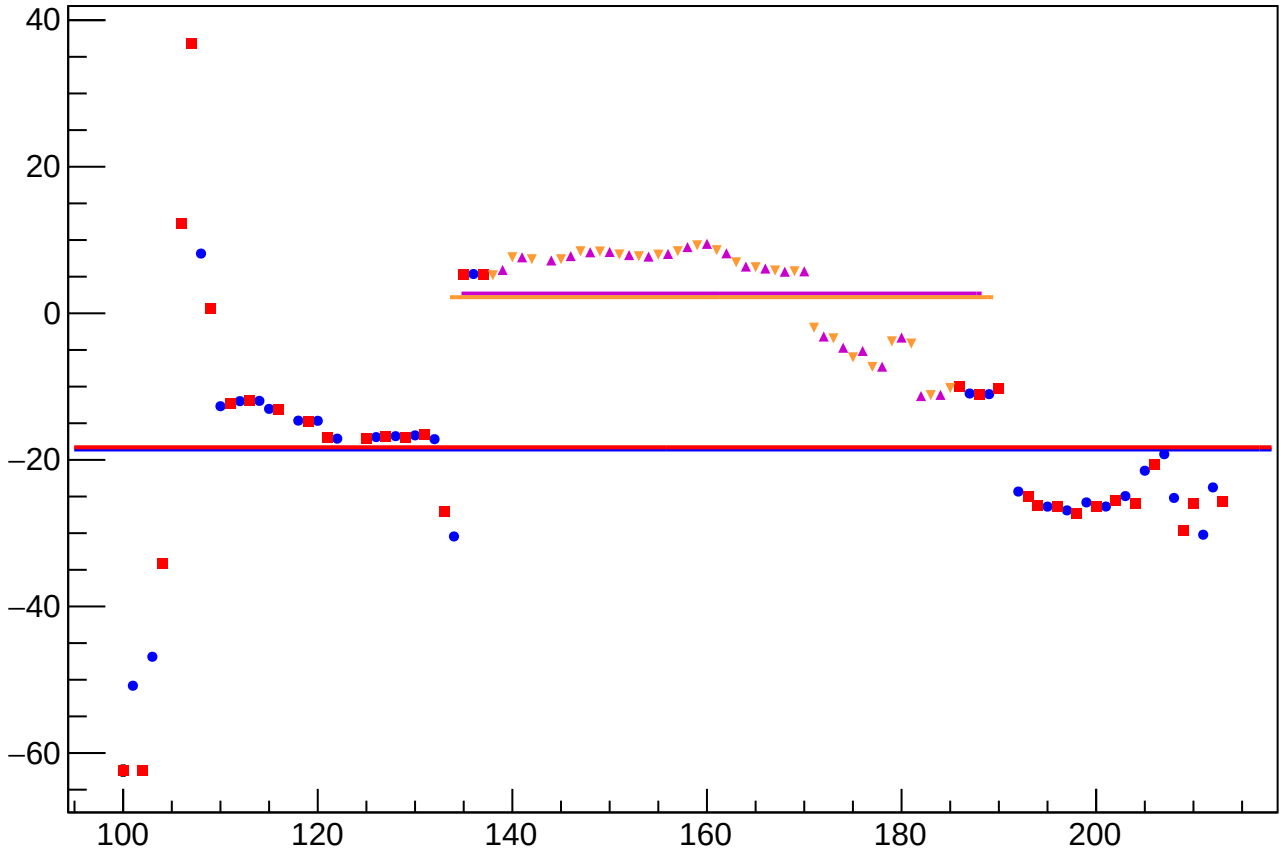
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 10.412+/-0.242 χ^2/NDF: 2246.9/60

In: 1.559+/-0.183 χ^2/NDF:2159.4/51

Out: 1.453+/-0.180 χ^2/NDF:2528.6/55

All: 1.505+/-0.128 χ^2/NDF: 4688.1/107



Right In: -18.582+/-0.017 χ^2/NDF: 521628.2/28

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

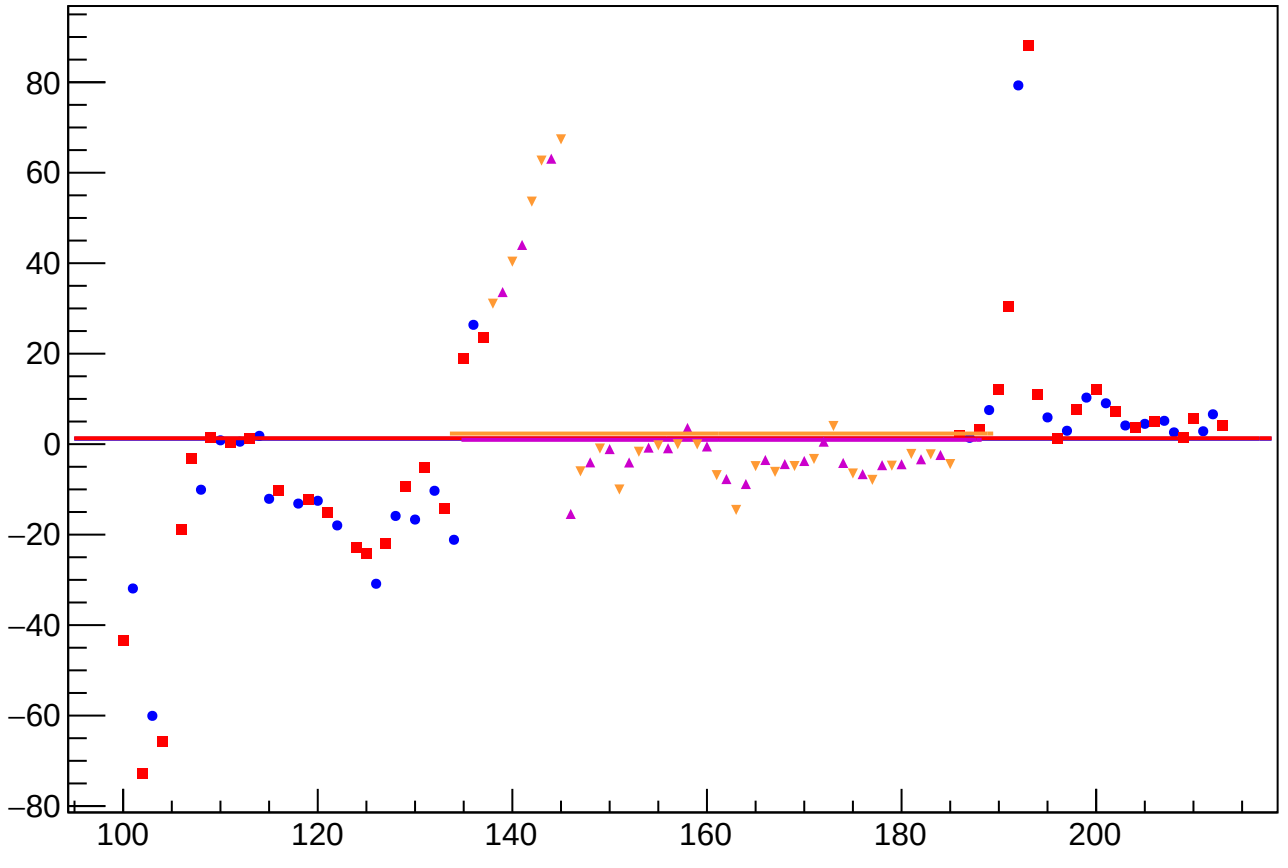
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -18.429+/-0.012 χ^2/NDF: 1131309.3/60

In: -2.331+/-0.008 χ^2/NDF:2192120.9/51

Out: -2.656+/-0.008 χ^2/NDF:2220488.9/55

All: -2.495+/-0.006 χ^2/NDF: 4413371.3/107



Right In: 1.197+/-0.037 χ^2/NDF: 120756.3/28

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

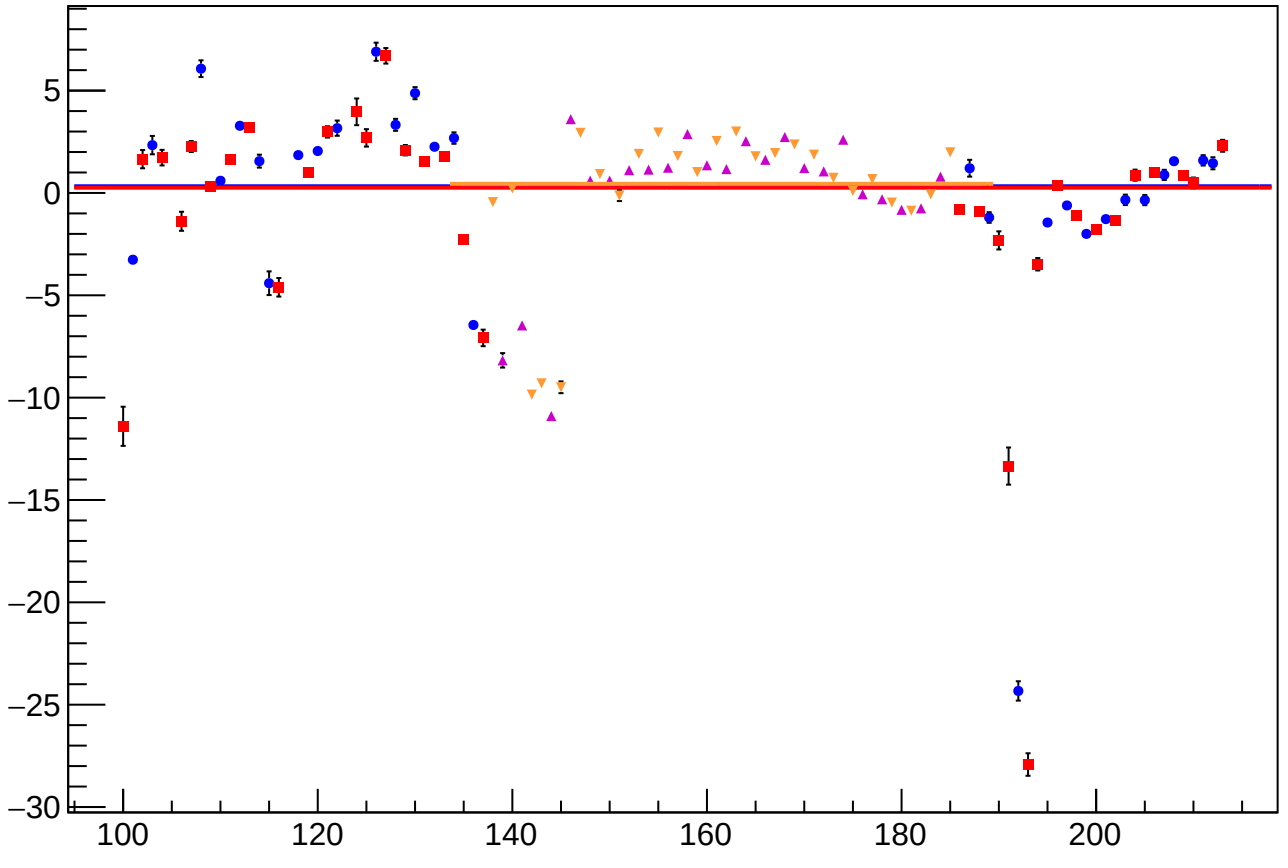
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 1.257+/-0.024 χ^2/NDF: 242582.6/62

In: 1.087+/-0.027 χ^2/NDF:253295.6/51

Out: 1.717+/-0.025 χ^2/NDF:299207.2/58

All: 1.422+/-0.019 χ^2/NDF: 552791.0/110



Right In: 0.326+/-0.045 χ^2/NDF: 5904.4/28

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

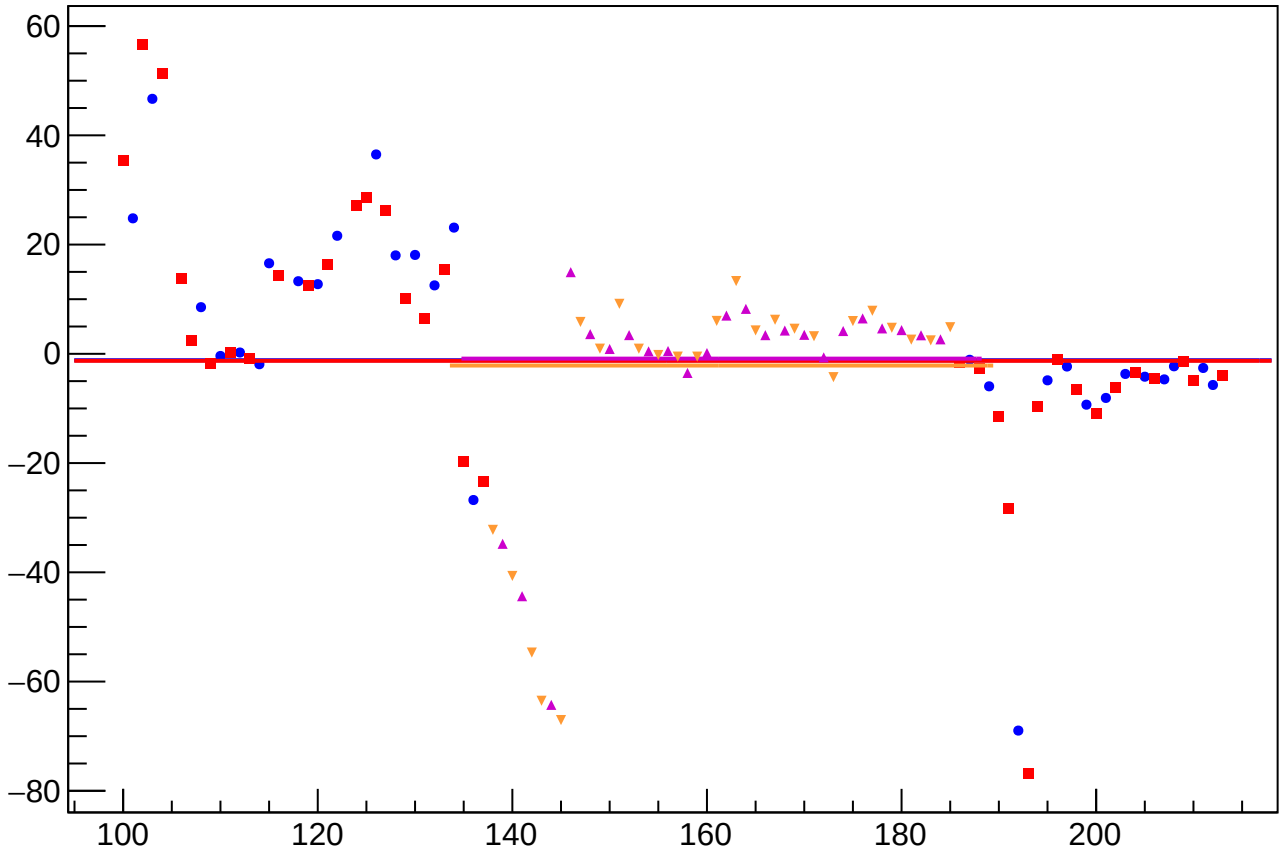
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.290+/-0.031 χ^2/NDF: 11057.6/62

In: 0.394+/-0.026 χ^2/NDF:13010.1/51

Out: 0.376+/-0.026 χ^2/NDF:12208.6/58

All: 0.385+/-0.018 χ^2/NDF: 25218.9/110



Right In: -1.172+/-0.038 χ^2/NDF: 119196.2/28

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

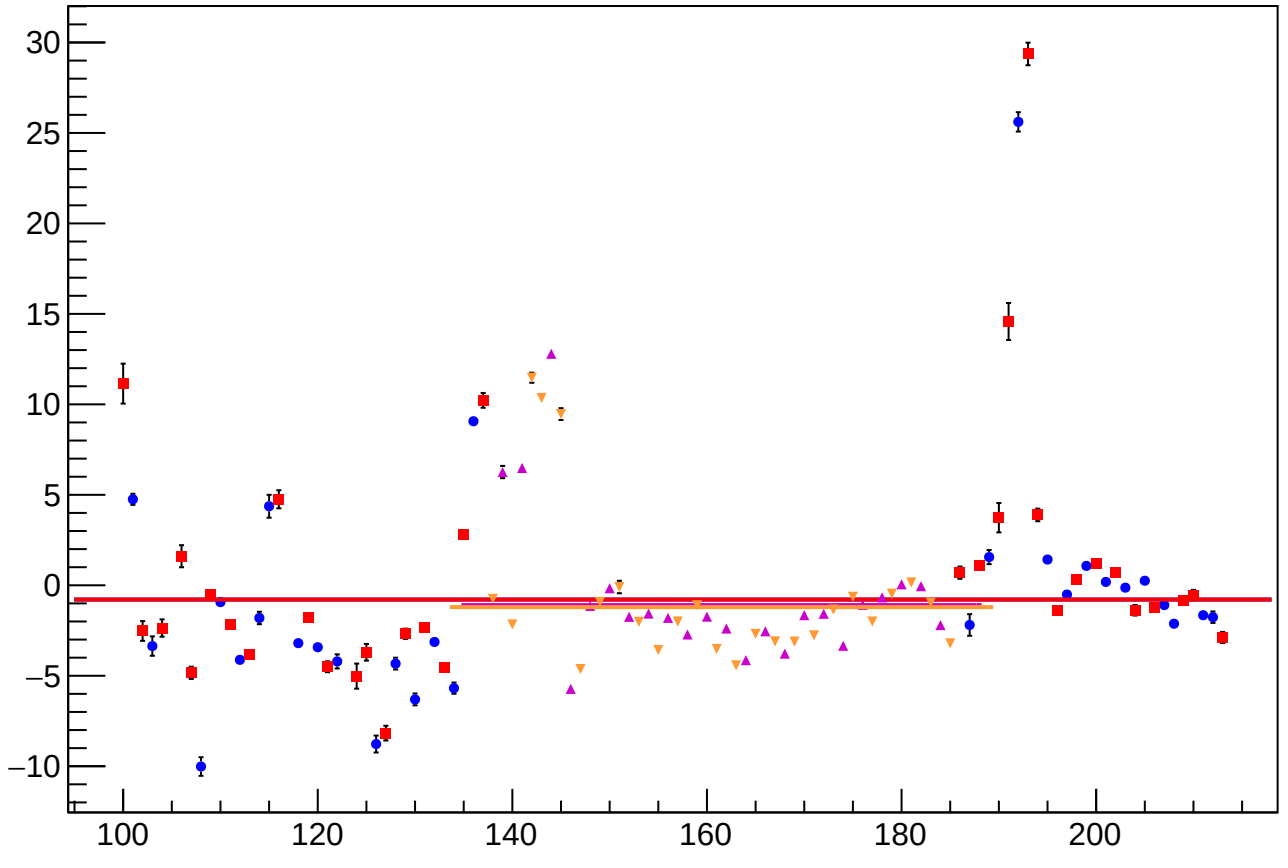
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -1.231+/-0.026 χ^2/NDF: 239028.3/62

In: -1.032+/-0.027 χ^2/NDF:248422.3/51

Out: -1.645+/-0.026 χ^2/NDF:291364.2/58

All: -1.351+/-0.019 χ^2/NDF: 540049.1/110



Right In: -0.788+/-0.052 χ^2/NDF: 7374.0/28

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

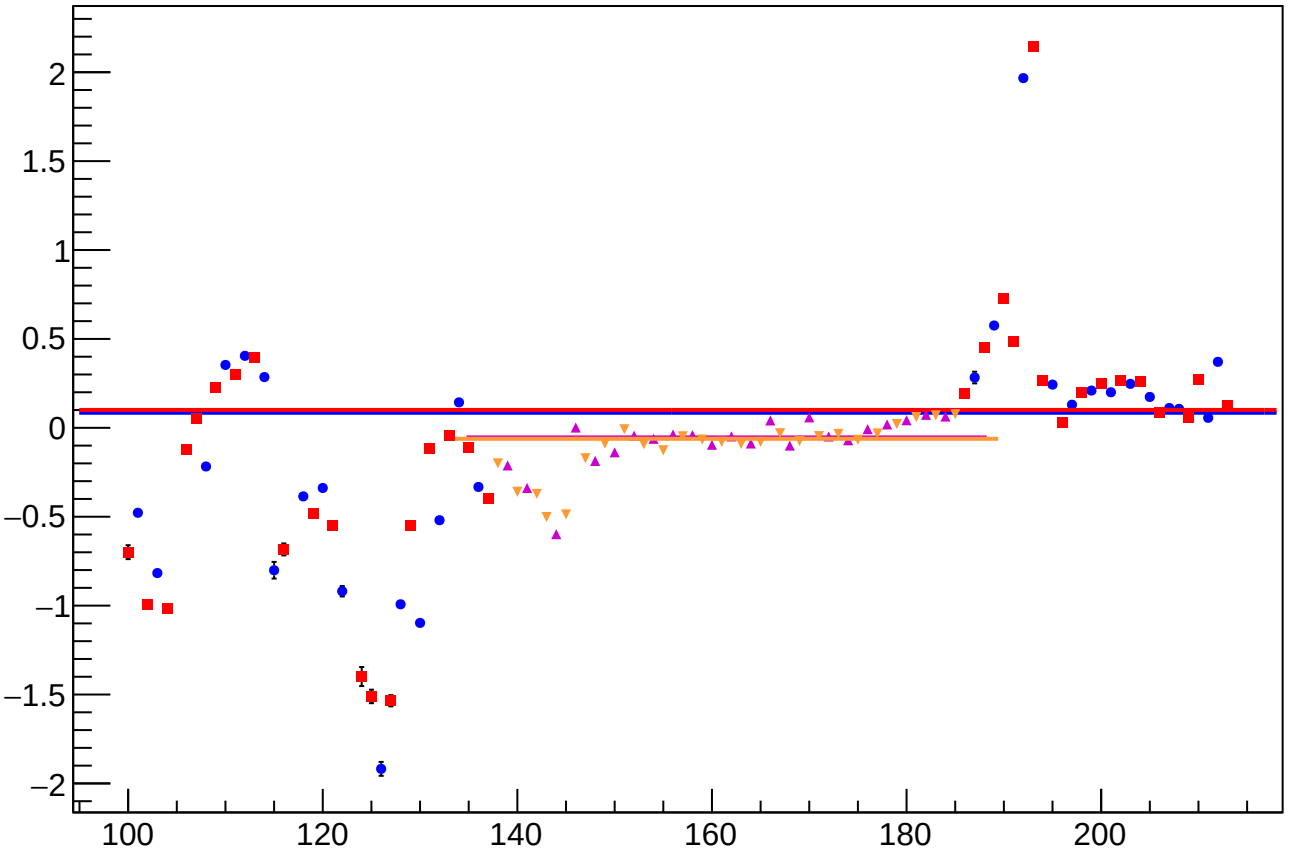
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.788+/-0.036 χ^2/NDF: 13033.7/62

In: -0.999+/-0.029 χ^2/NDF:14427.0/51

Out: -1.059+/-0.029 χ^2/NDF:12709.1/58

All: -1.029+/-0.021 χ^2/NDF: 27138.3/110



Right In: 0.085+/-0.002 χ^2/NDF: 34419.4/28

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

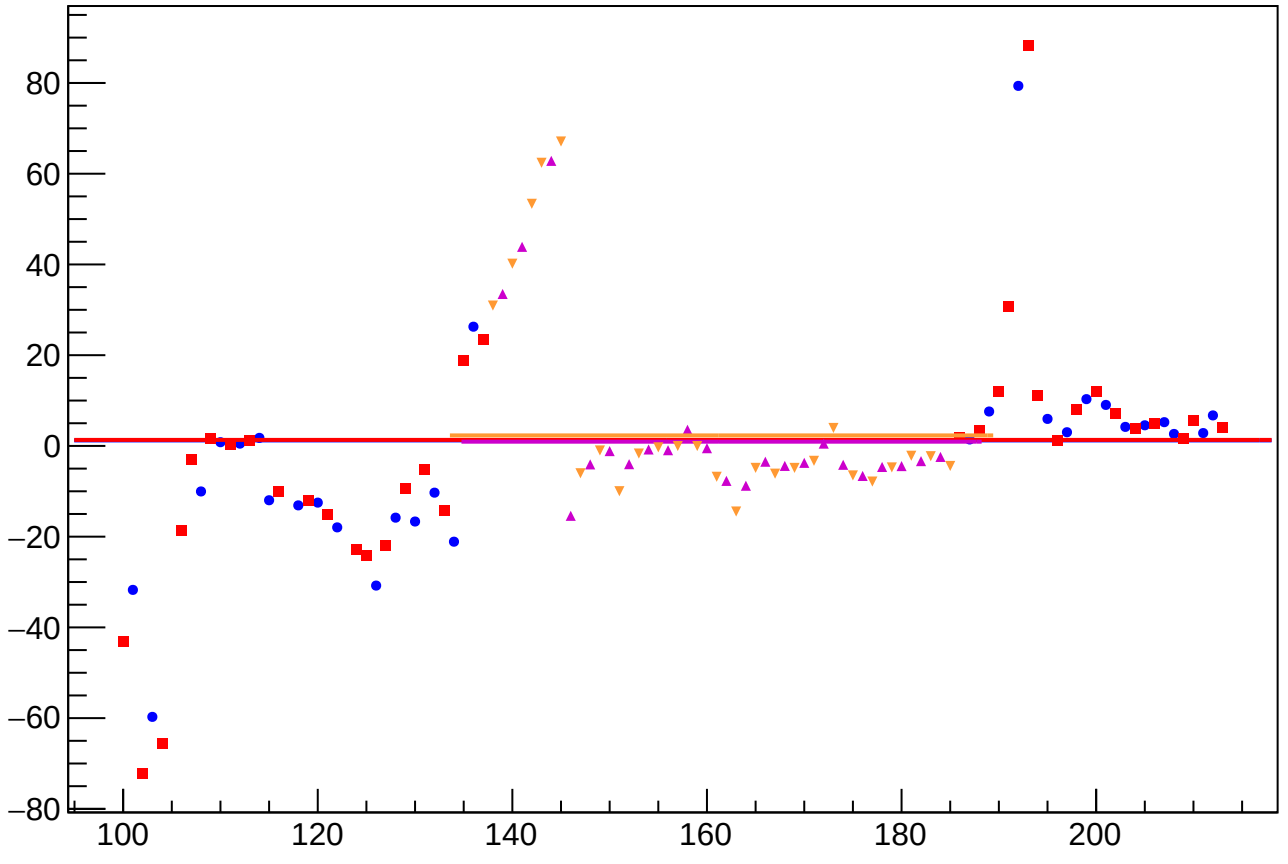
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.093+/-0.002 χ^2/NDF: 69282.2/62

In: -0.013+/-0.001 χ^2/NDF:41985.2/51

Out: -0.008+/-0.001 χ^2/NDF:44031.7/58

All: -0.011+/-0.001 χ^2/NDF: 86025.5/110



Right In: 1.216+/-0.037 χ^2/NDF: 121293.0/28

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

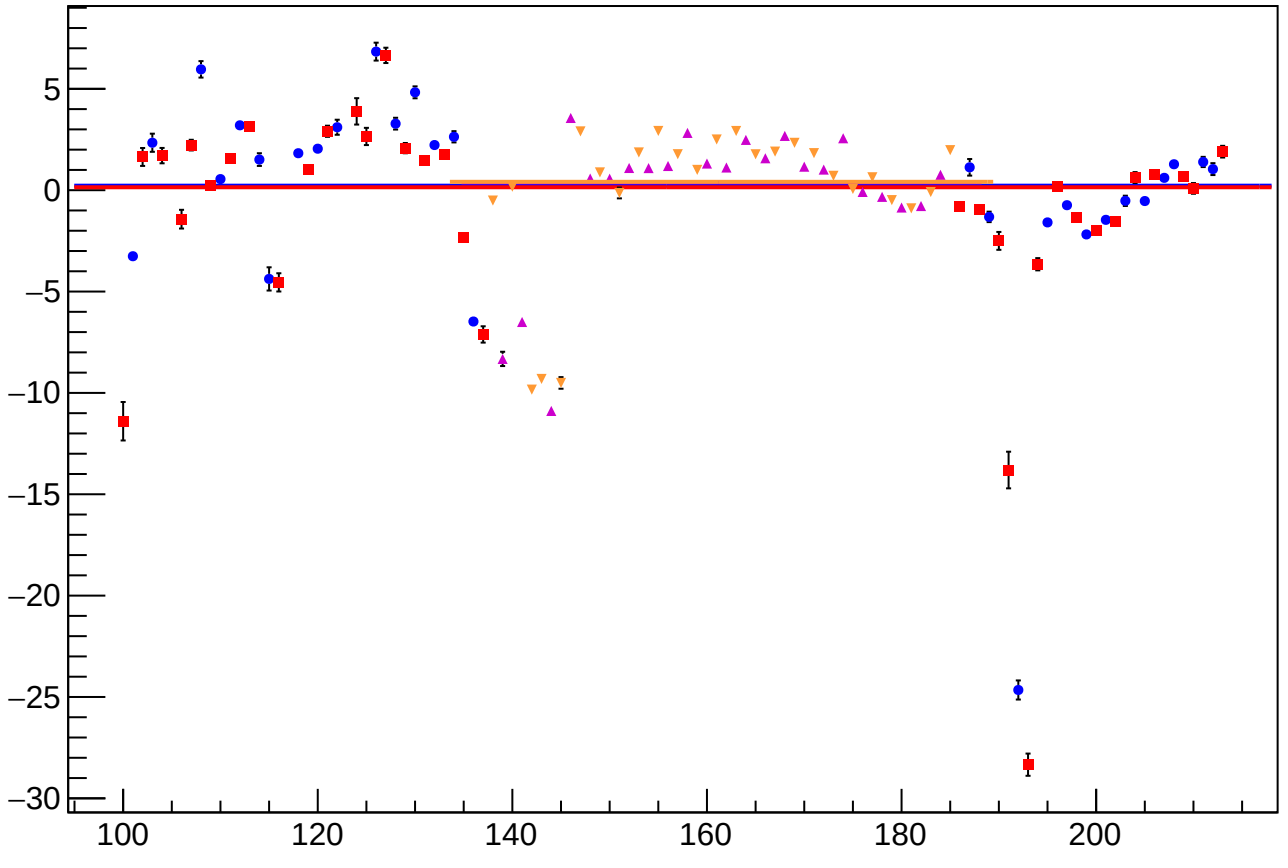
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 1.278+/-0.024 χ^2/NDF: 243721.1/62

In: 1.087+/-0.027 χ^2/NDF:253725.2/51

Out: 1.720+/-0.025 χ^2/NDF:299537.2/58

All: 1.424+/-0.018 χ^2/NDF: 553555.6/110



Right In: 0.223+/-0.045 χ^2/NDF: 6018.1/28

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

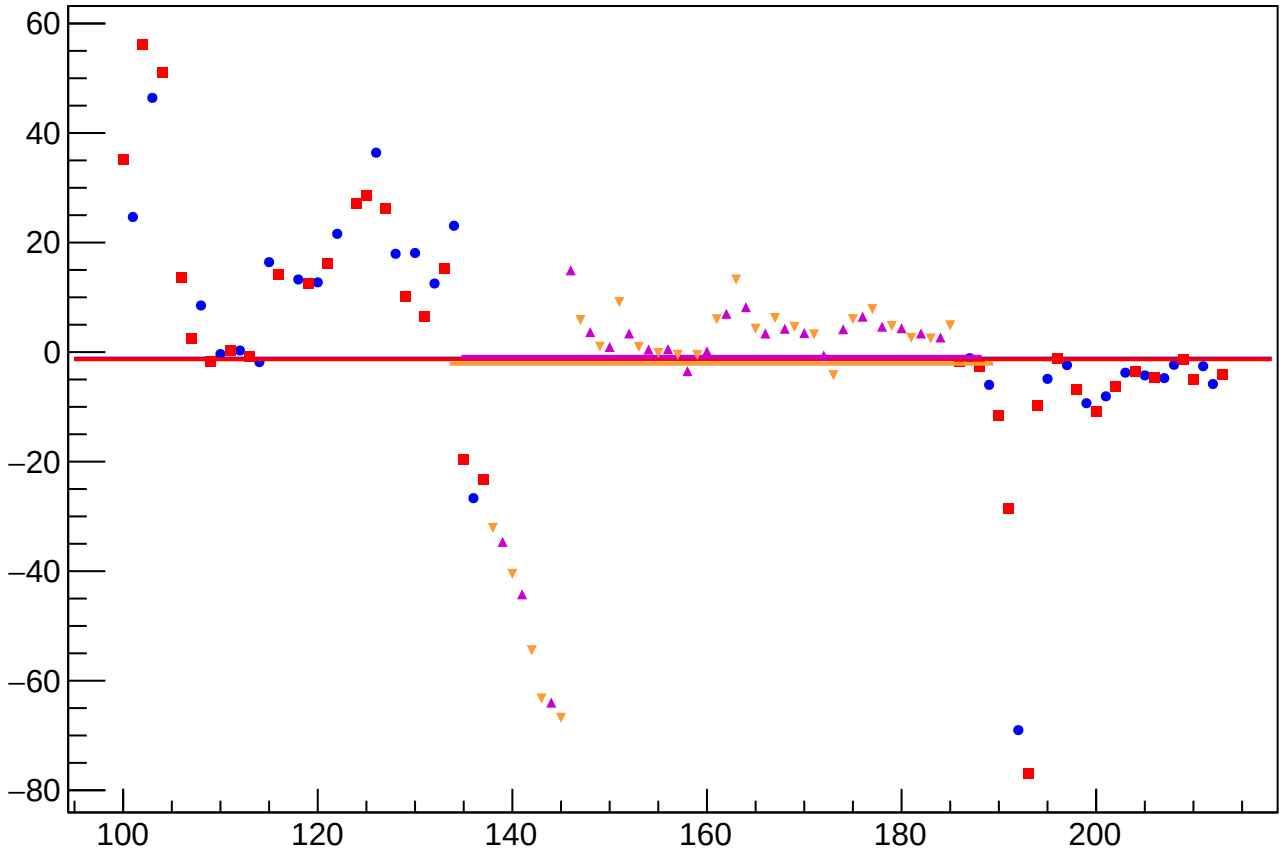
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.181+/-0.031 χ^2/NDF: 11318.5/62

In: 0.335+/-0.026 χ^2/NDF:13141.5/51

Out: 0.314+/-0.026 χ^2/NDF:12371.2/58

All: 0.324+/-0.018 χ^2/NDF: 25513.0/110



Right In: -1.196+/-0.038 χ^2/NDF: 119690.0/28

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

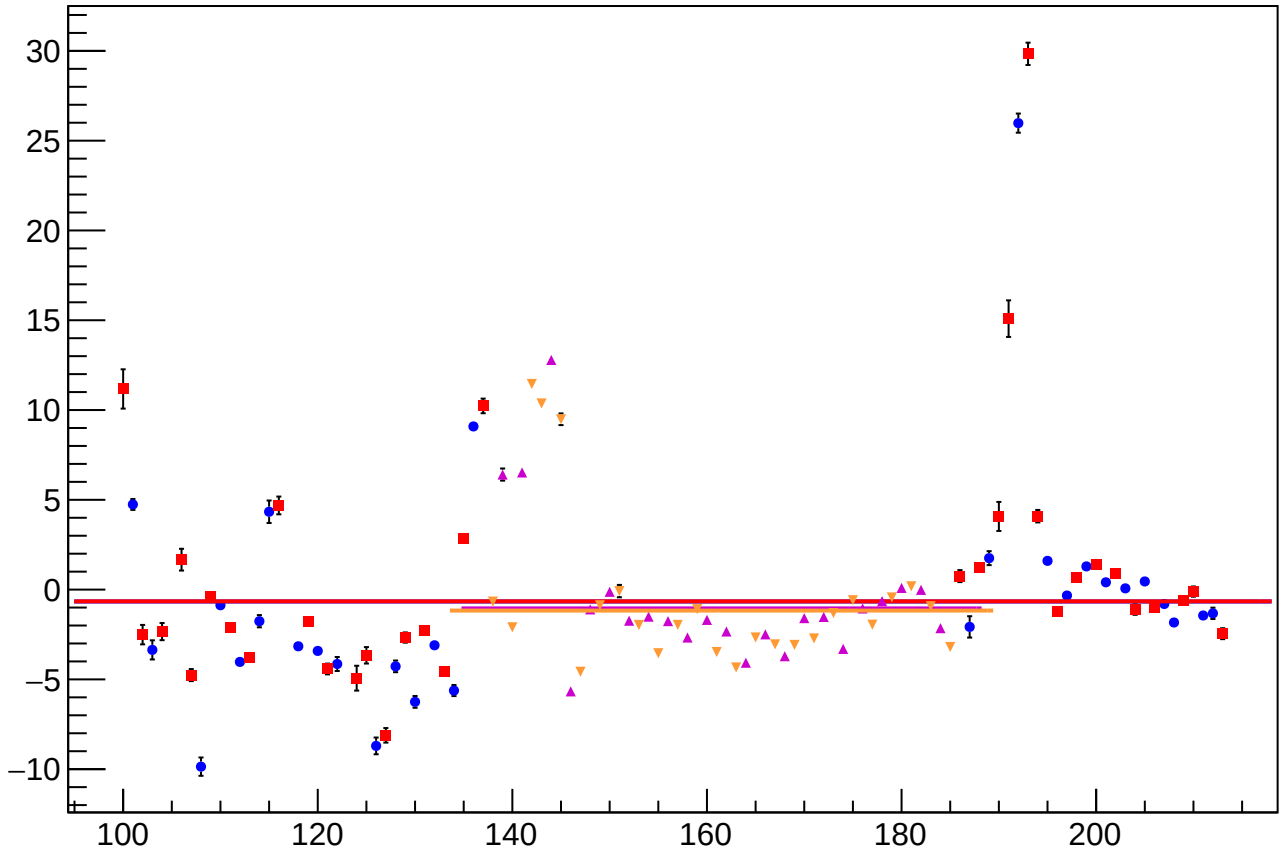
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -1.258+/-0.025 χ^2/NDF: 240085.0/62

In: -1.034+/-0.027 χ^2/NDF:248813.5/51

Out: -1.651+/-0.026 χ^2/NDF:291666.2/58

All: -1.355+/-0.019 χ^2/NDF: 540747.4/110



Right In: -0.663+/-0.052 χ^2/NDF: 7474.9/28

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

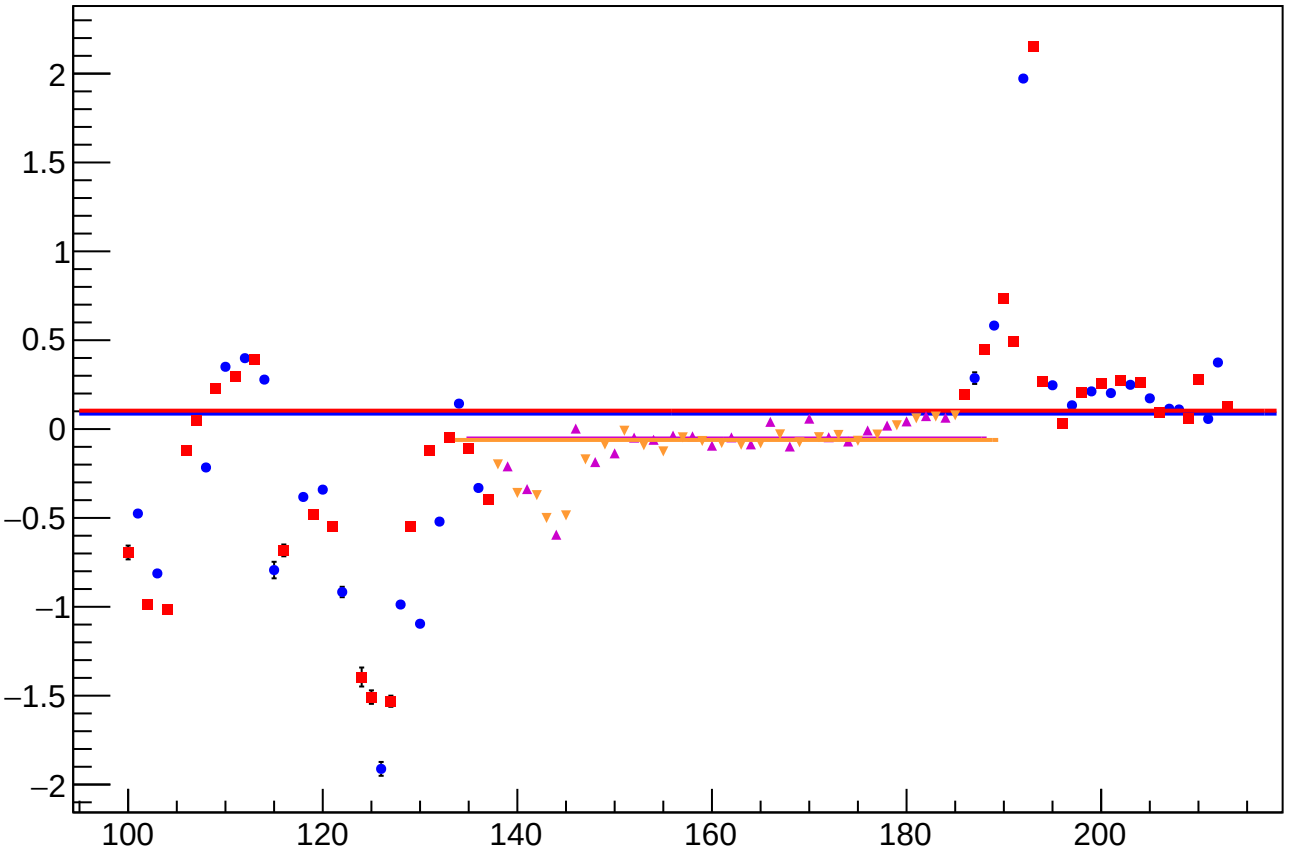
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.658+/-0.036 χ^2/NDF: 13279.9/62

In: -0.929+/-0.029 χ^2/NDF:14553.7/51

Out: -0.987+/-0.029 χ^2/NDF:12877.4/58

All: -0.957+/-0.020 χ^2/NDF: 27433.1/110



Right In: 0.087+/-0.002 χ^2/NDF: 34696.7/28

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

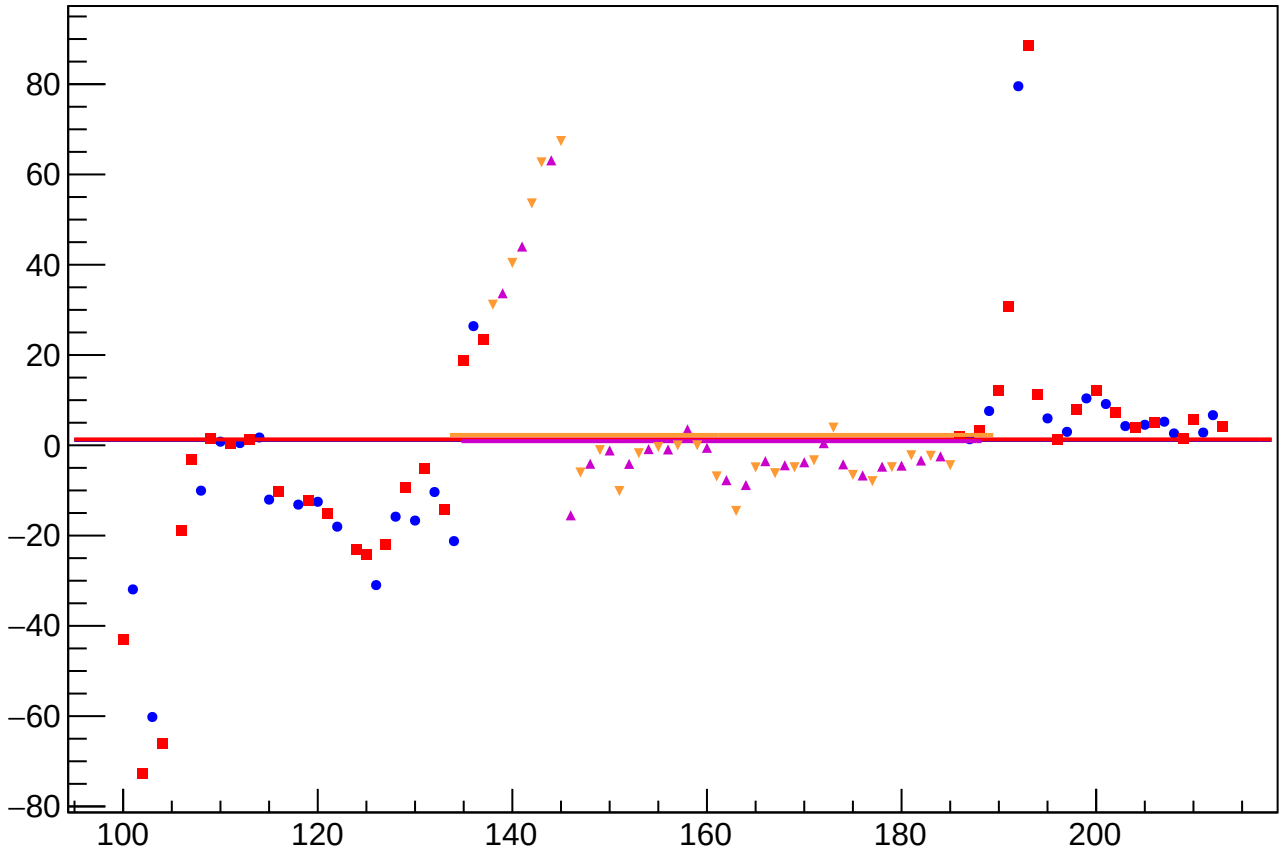
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.096+/-0.002 χ^2/NDF: 69876.4/62

In: -0.012+/-0.001 χ^2/NDF:42312.5/51

Out: -0.006+/-0.001 χ^2/NDF:44497.9/58

All: -0.009+/-0.001 χ^2/NDF: 86819.2/110



Right In: 1.187+/-0.037 χ^2/NDF: 121319.7/28

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

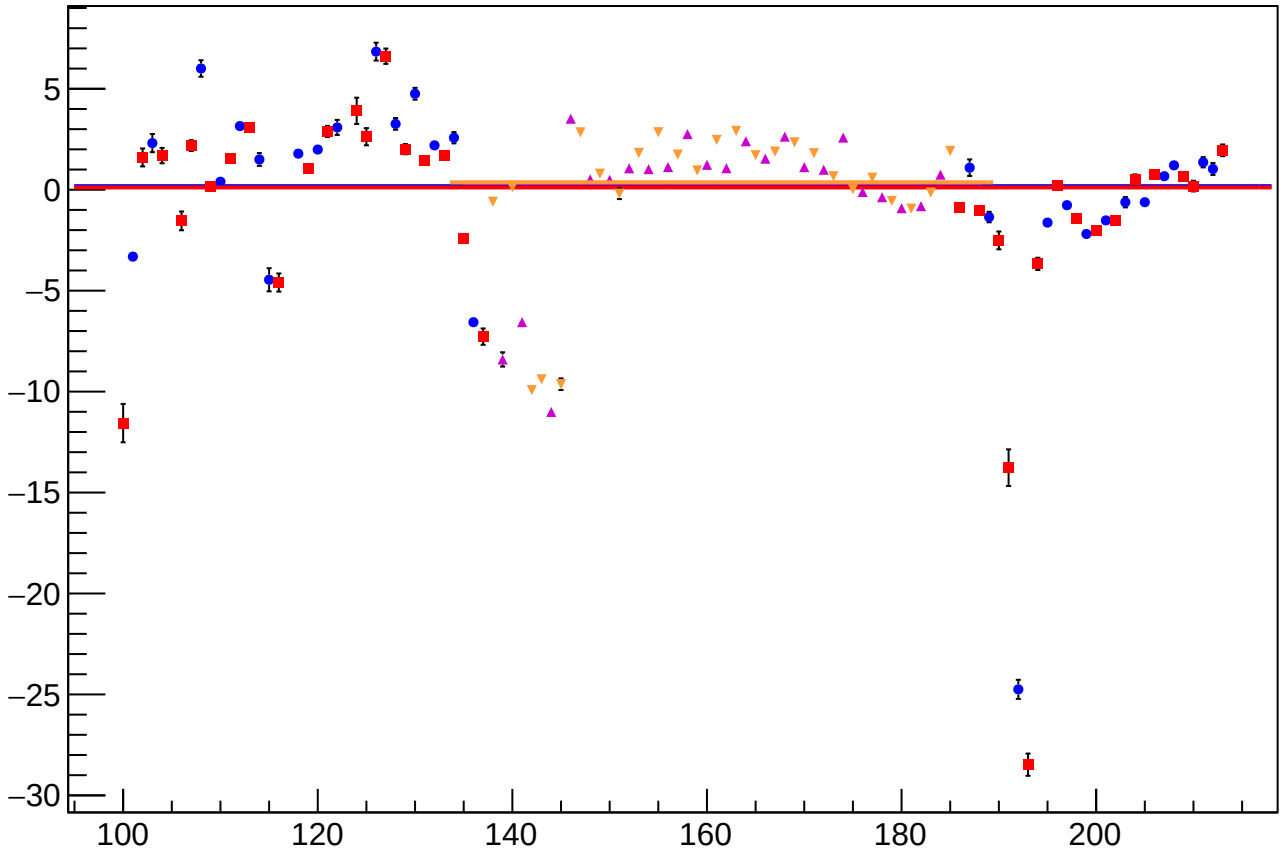
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 1.250+/-0.024 χ^2/NDF: 243748.6/62

In: 1.060+/-0.027 χ^2/NDF:253918.9/51

Out: 1.696+/-0.025 χ^2/NDF:299977.8/58

All: 1.399+/-0.019 χ^2/NDF: 554189.1/110



Right In: 0.177+/-0.045 χ^2/NDF: 6005.3/28

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

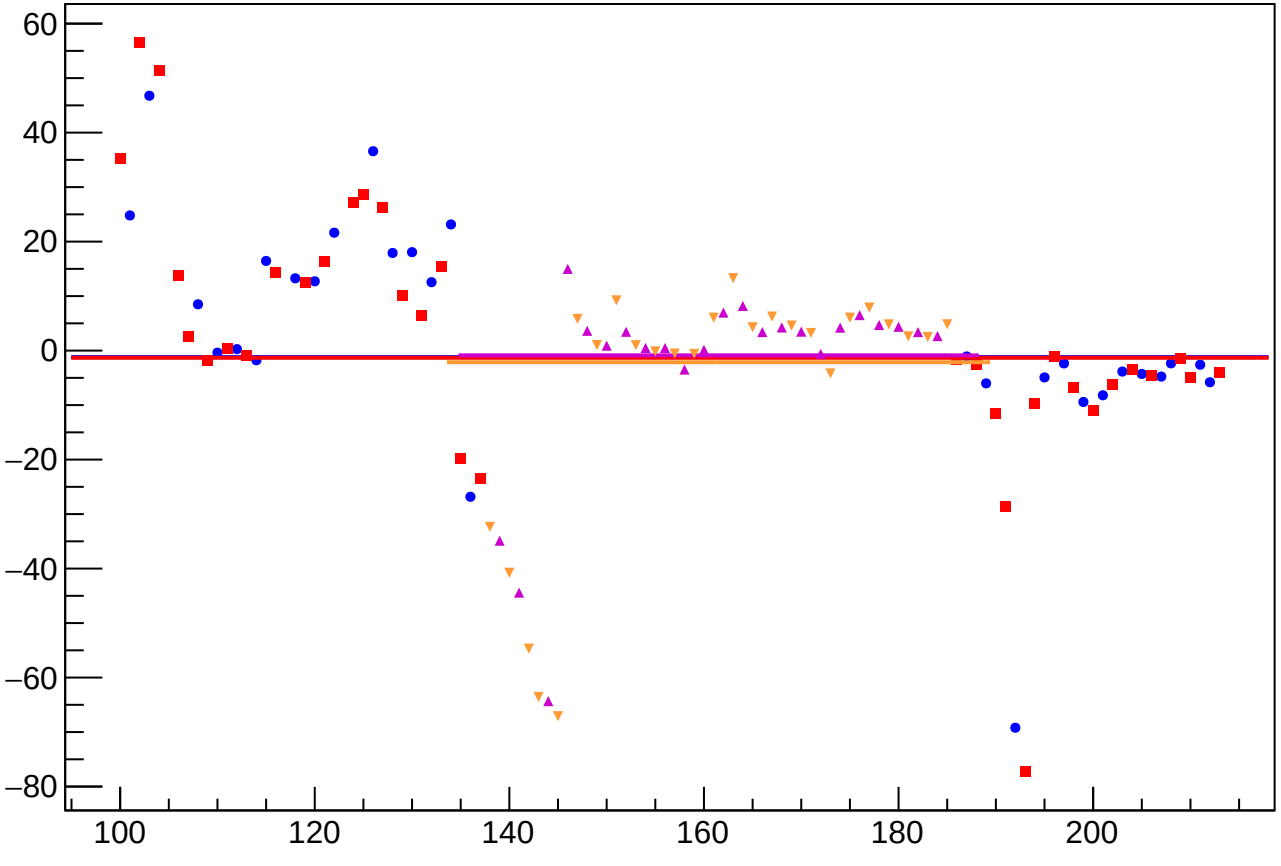
Right: 0.143+/-0.031 χ^2/NDF: 11302.6/62

In: 0.285+/-0.026 χ^2/NDF:13107.9/51

Out: 0.273+/-0.026 χ^2/NDF:12386.6/58

All: 0.279+/-0.018 χ^2/NDF: 25494.6/110

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.199+/-0.038 χ^2/NDF: 119734.1/28

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

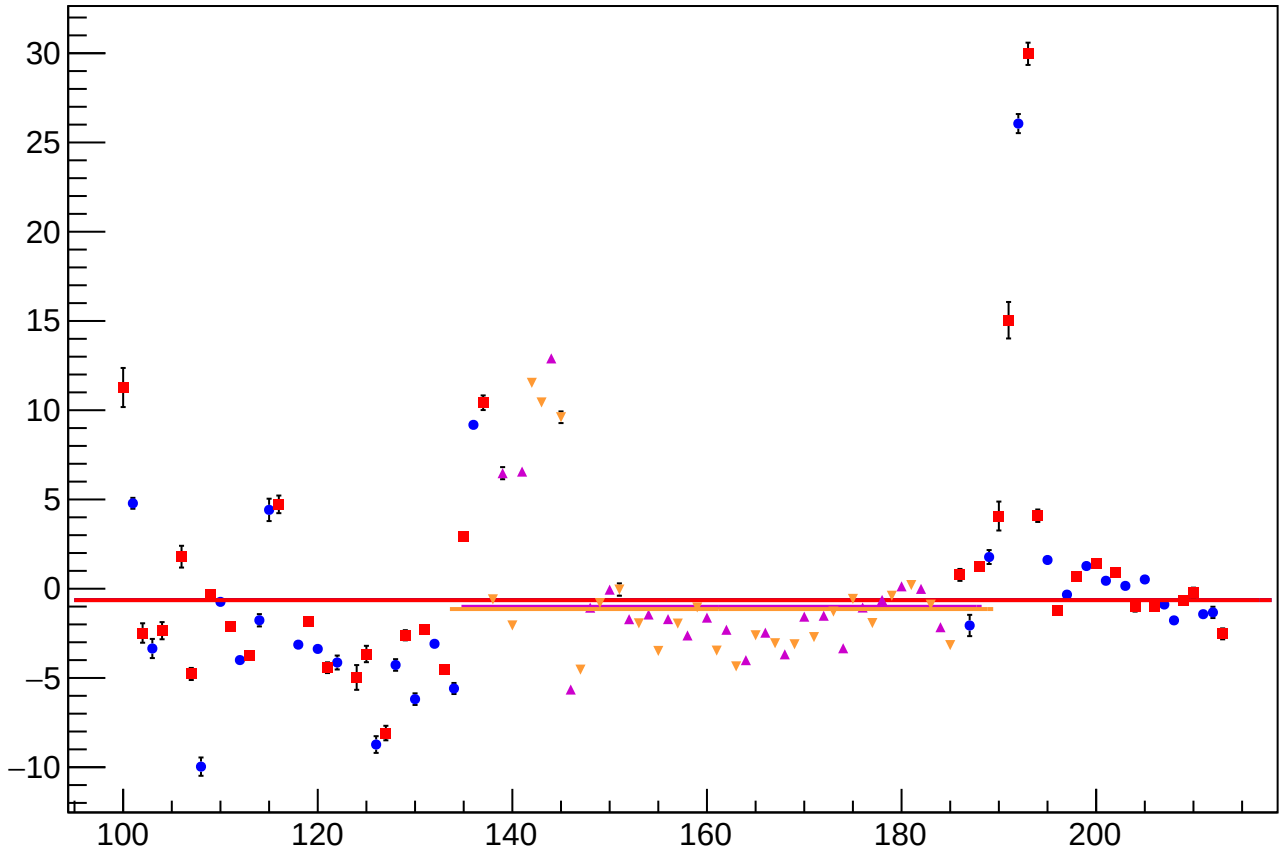
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -1.260+/-0.026 χ^2/NDF: 240161.4/62

In: -1.041+/-0.027 χ^2/NDF:249033.2/51

Out: -1.658+/-0.026 χ^2/NDF:292130.4/58

All: -1.363+/-0.019 χ^2/NDF: 541429.0/110



Right In: -0.634+/-0.052 χ^2/NDF: 7469.5/28

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

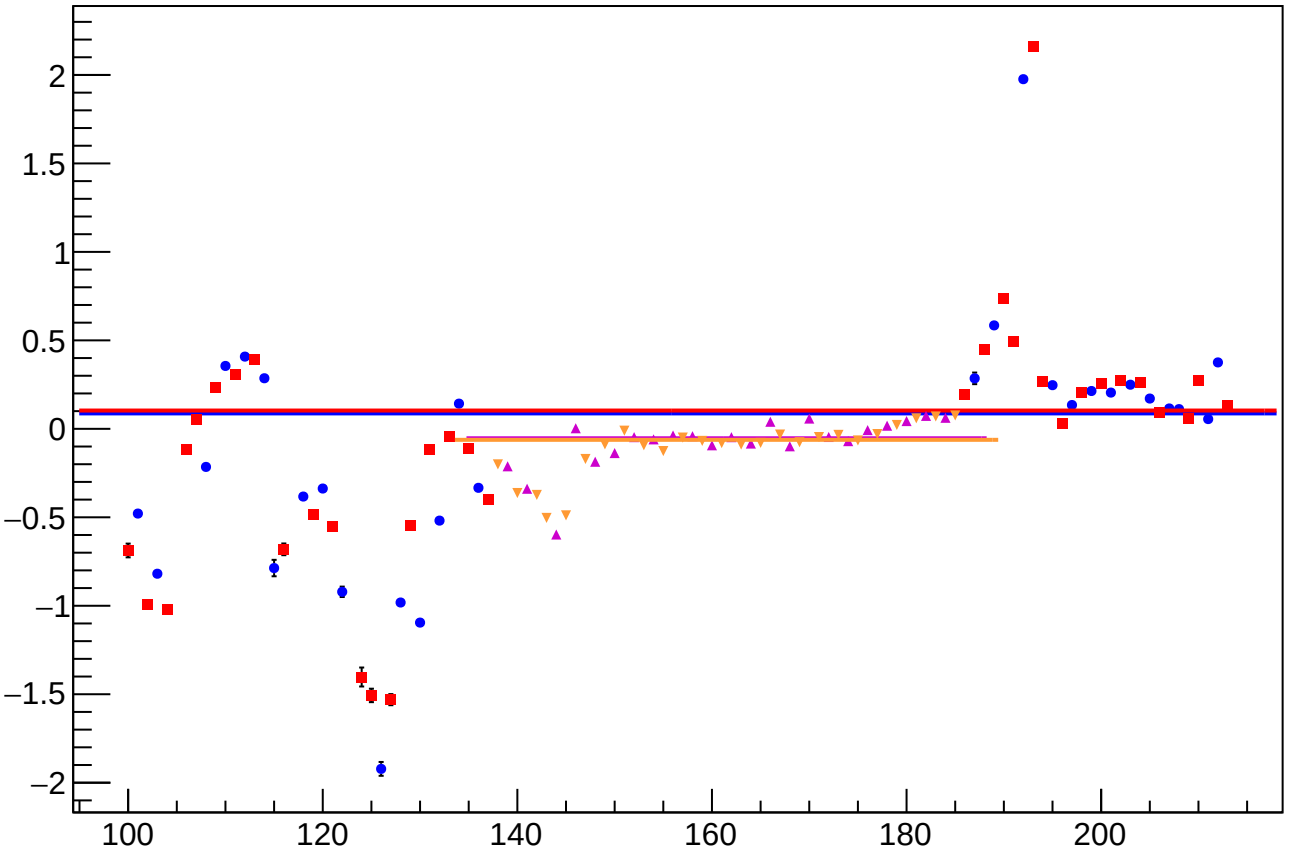
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.637+/-0.036 χ^2/NDF: 13281.1/62

In: -0.896+/-0.029 χ^2/NDF:14533.4/51

Out: -0.964+/-0.029 χ^2/NDF:12900.8/58

All: -0.930+/-0.021 χ^2/NDF: 27436.9/110



Right In: 0.087+/-0.002 χ^2/NDF: 34687.9/28

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

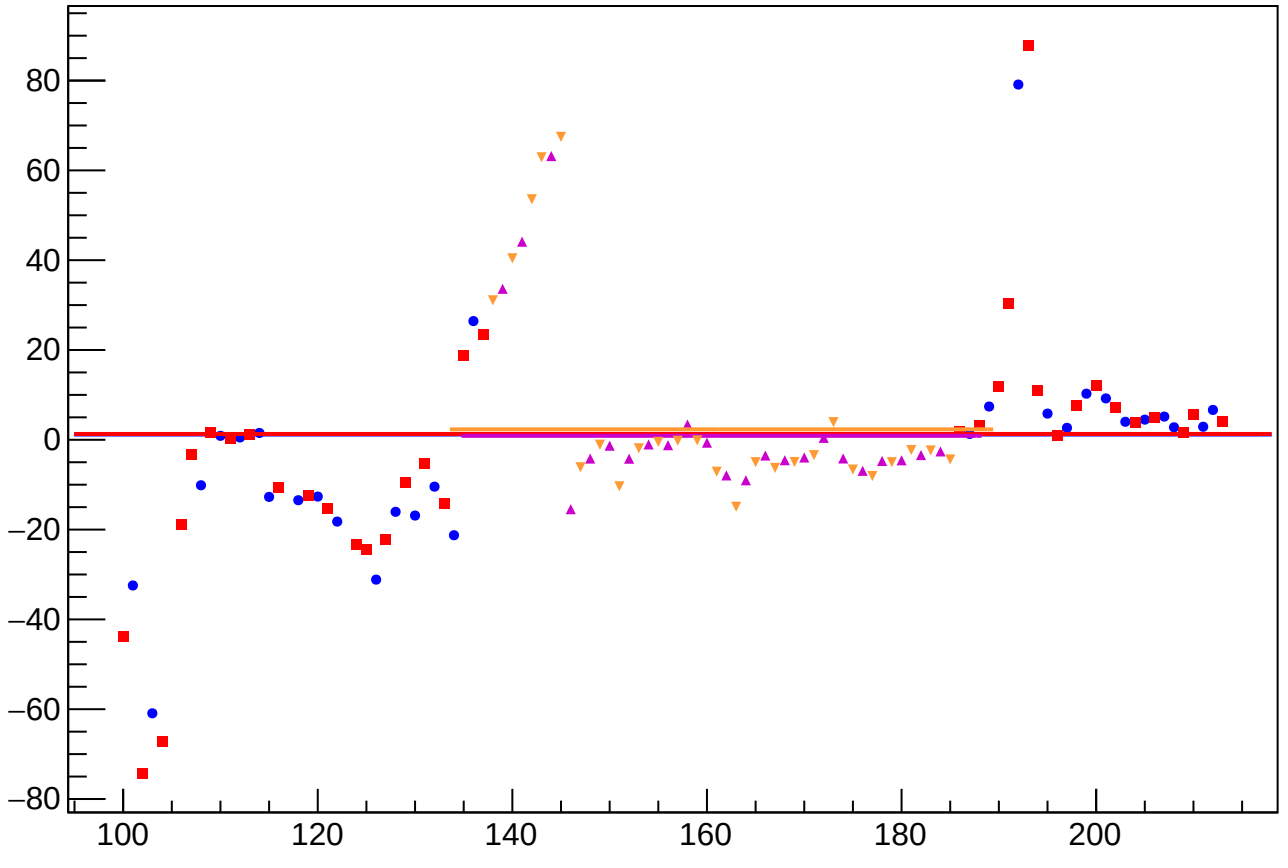
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.096+/-0.002 χ^2/NDF: 69822.0/62

In: -0.012+/-0.001 χ^2/NDF:42275.4/51

Out: -0.007+/-0.001 χ^2/NDF:44458.3/58

All: -0.010+/-0.001 χ^2/NDF: 86740.9/110



Right In: 1.180+/-0.037 χ^2/NDF: 119461.6/28

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

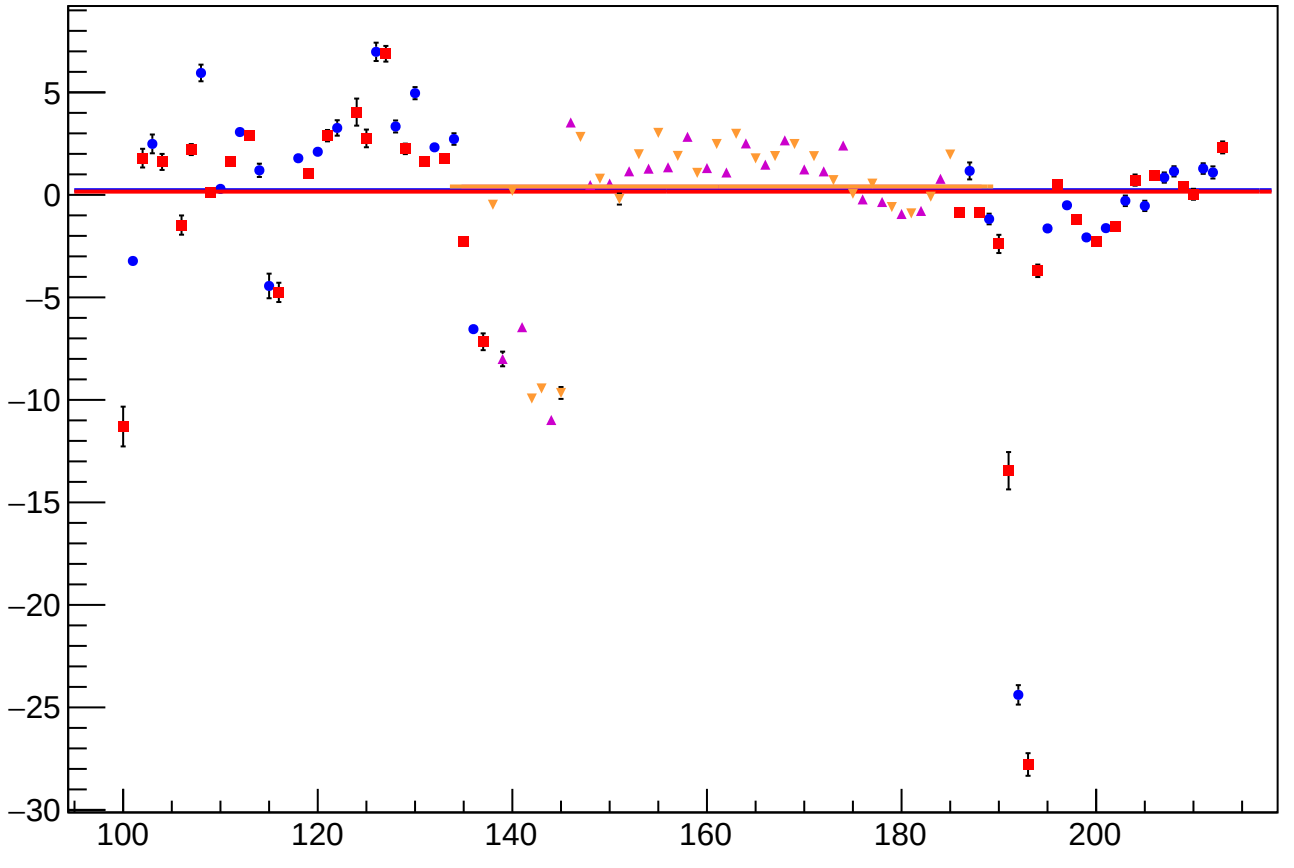
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 1.246+/-0.025 χ^2/NDF: 240248.8/62

In: 1.046+/-0.028 χ^2/NDF:249906.8/51

Out: 1.705+/-0.026 χ^2/NDF:295810.3/58

All: 1.397+/-0.019 χ^2/NDF: 546021.9/110



Right In: 0.229+/-0.046 χ^2/NDF: 5837.6/28

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

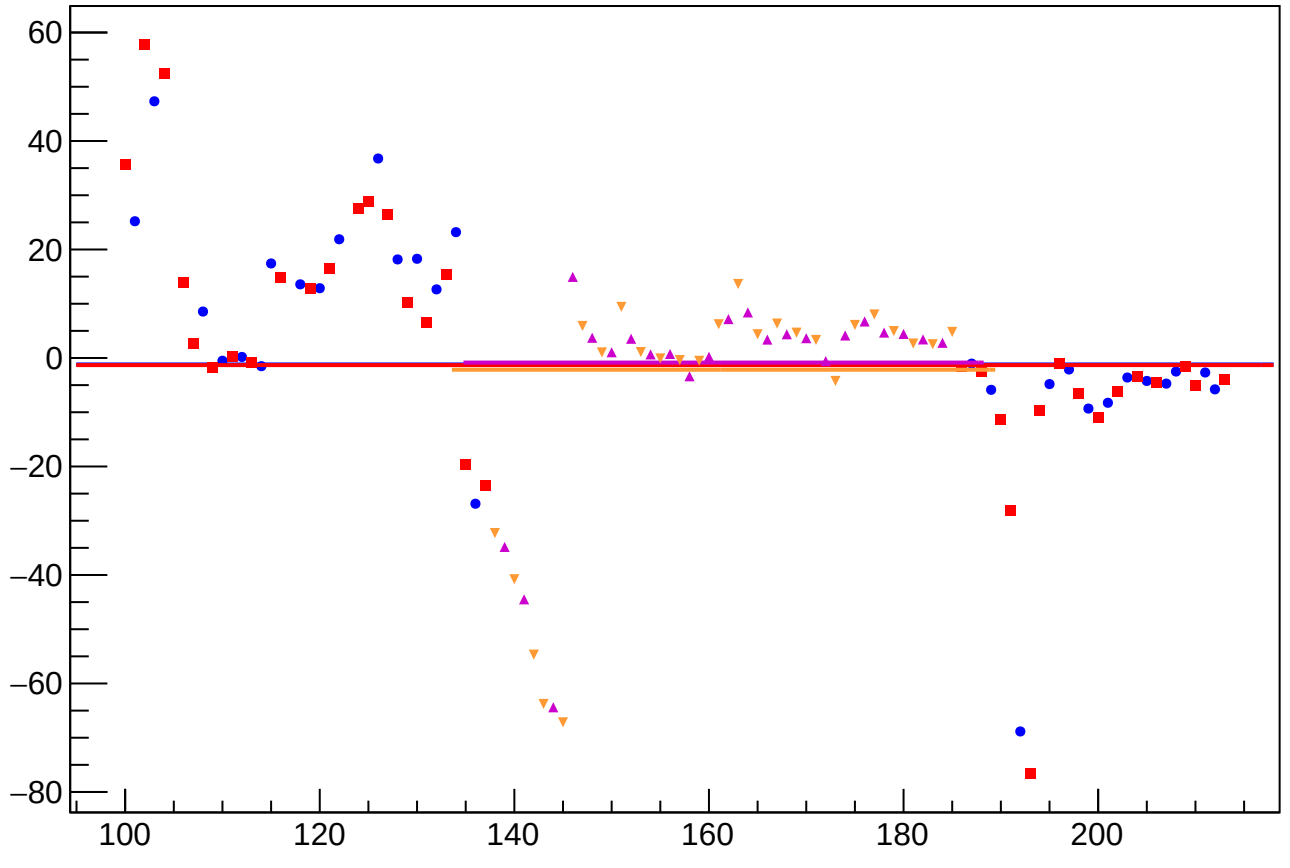
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.192+/-0.031 χ^2/NDF: 10954.5/62

In: 0.341+/-0.026 χ^2/NDF:12778.5/51

Out: 0.316+/-0.026 χ^2/NDF:12184.5/58

All: 0.329+/-0.019 χ^2/NDF: 24963.5/110



Right In: -1.194+/-0.038 χ^2/NDF: 117914.7/28

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

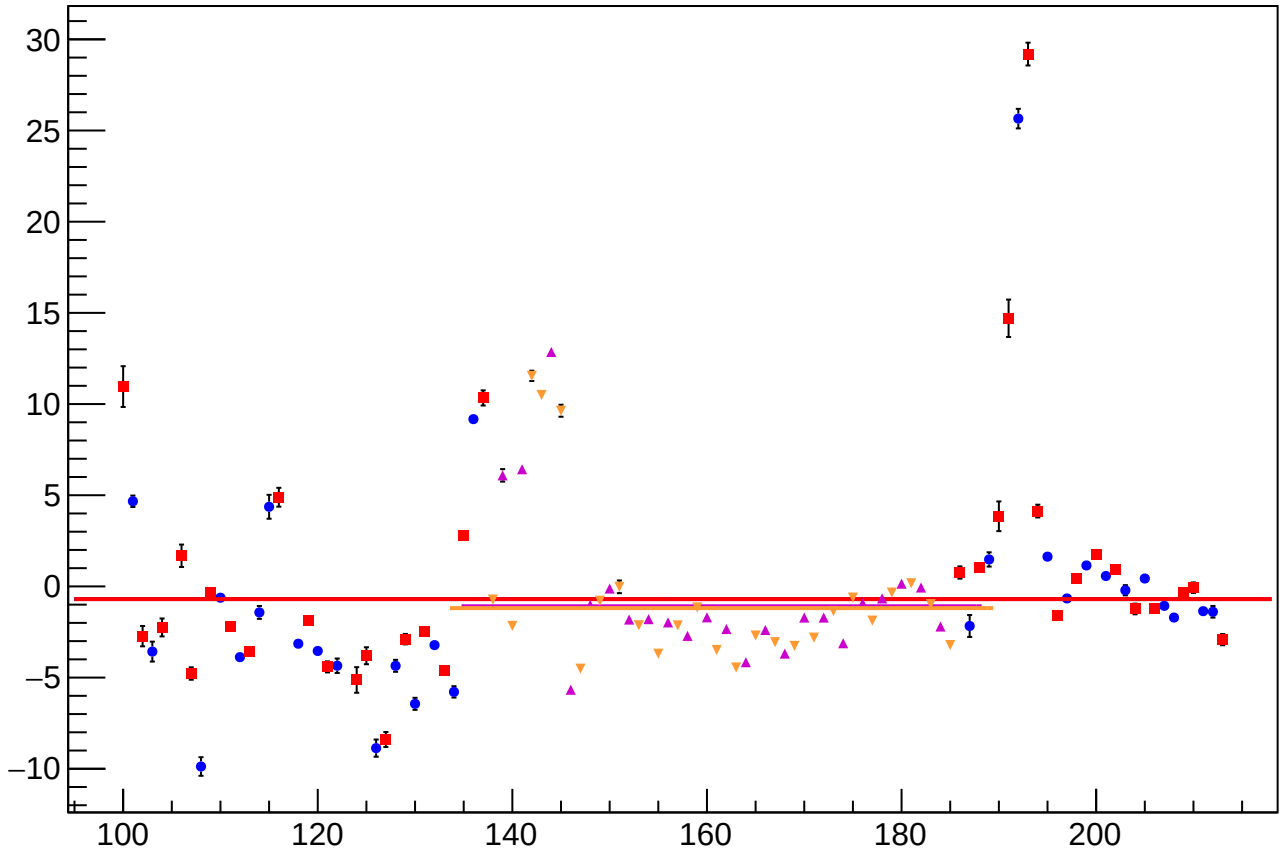
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -1.257+/-0.026 χ^2/NDF: 236711.5/62

In: -1.026+/-0.028 χ^2/NDF:245090.0/51

Out: -1.667+/-0.027 χ^2/NDF:288033.7/58

All: -1.361+/-0.019 χ^2/NDF: 533401.5/110



Right In: -0.693+/-0.053 χ^2/NDF: 7301.2/28

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

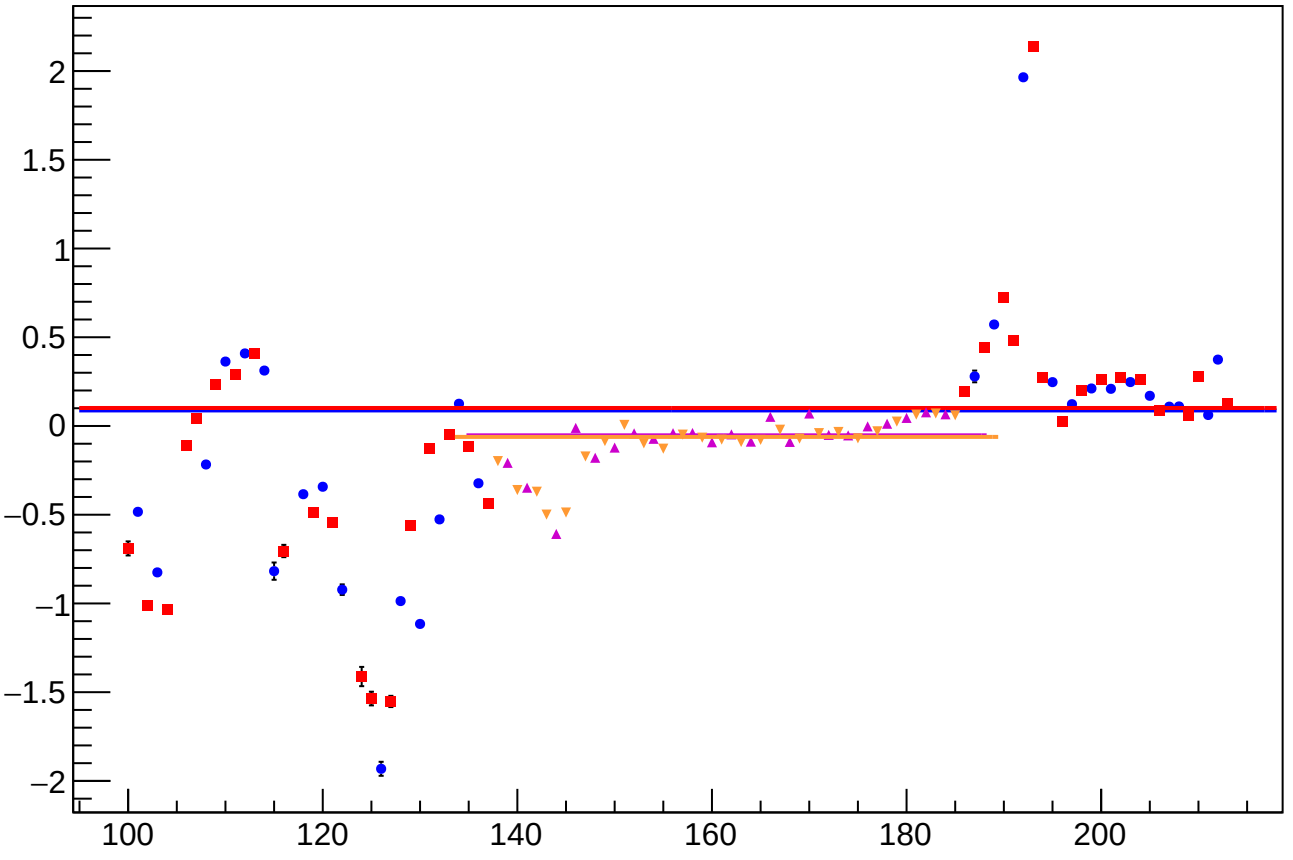
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.694+/-0.036 χ^2/NDF: 12945.3/62

In: -0.966+/-0.030 χ^2/NDF:14180.6/51

Out: -1.015+/-0.030 χ^2/NDF:12703.3/58

All: -0.990+/-0.021 χ^2/NDF: 26885.3/110



Right In: 0.088+/-0.002 χ^2/NDF: 33948.4/28

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

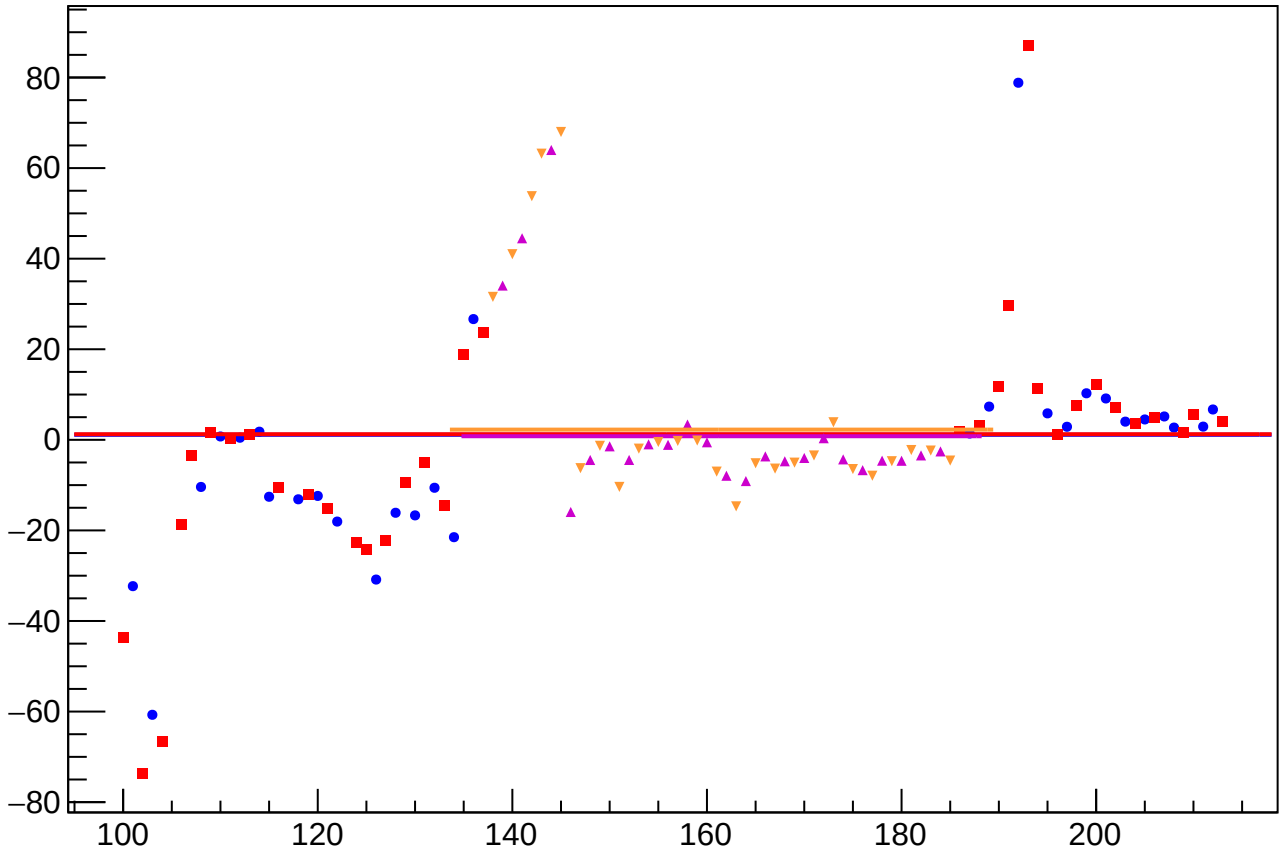
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.095+/-0.002 χ^2/NDF: 68645.5/62

In: -0.011+/-0.001 χ^2/NDF:41506.4/51

Out: -0.007+/-0.001 χ^2/NDF:43657.1/58

All: -0.009+/-0.001 χ^2/NDF: 85168.3/110



Right In: 1.111+/-0.038 χ^2/NDF: 117787.1/28

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

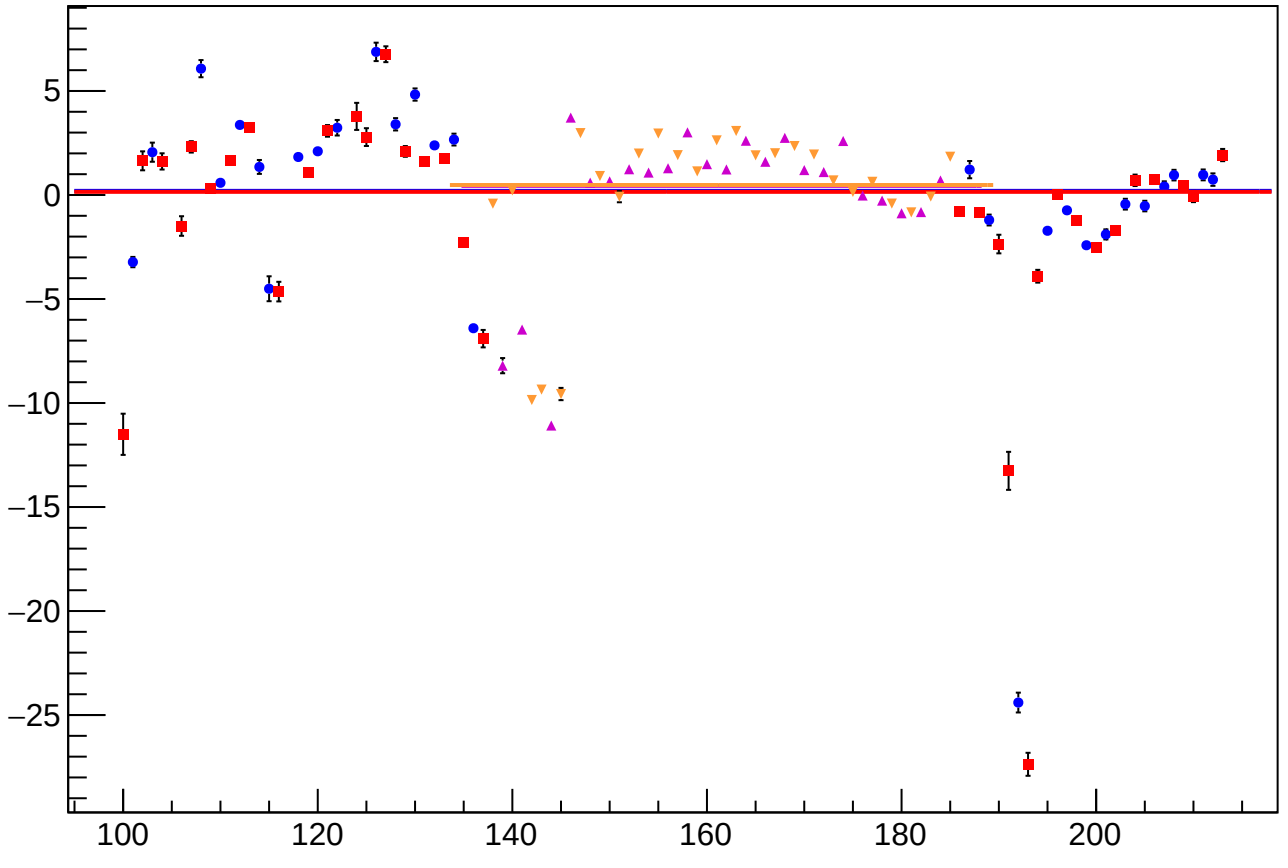
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 1.182+/-0.025 χ^2/NDF: 236416.6/62

In: 0.965+/-0.028 χ^2/NDF:246647.6/51

Out: 1.645+/-0.026 χ^2/NDF:290654.4/58

All: 1.326+/-0.019 χ^2/NDF: 537616.8/110



Right In: 0.198+/-0.046 χ^2/NDF: 5802.0/28

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

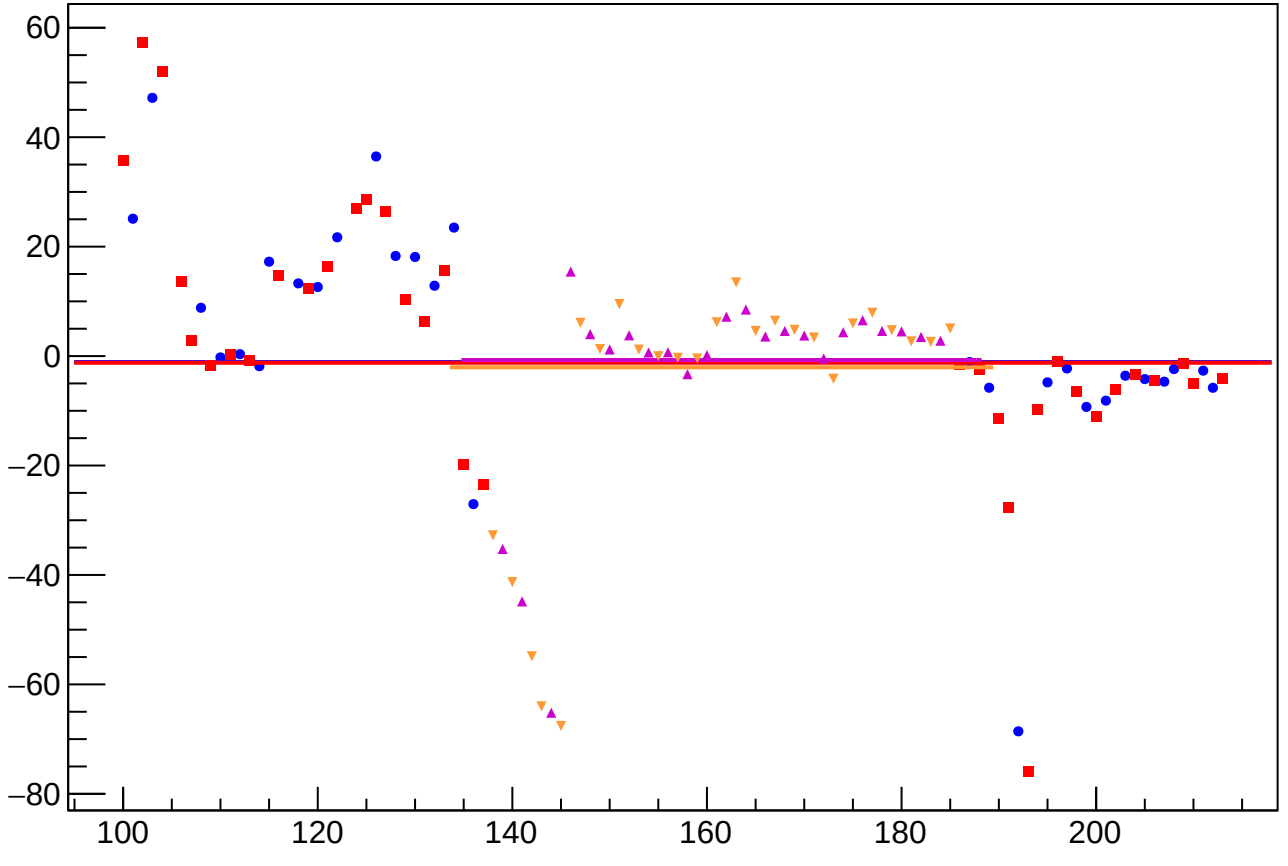
Right: 0.174+/-0.032 χ^2/NDF: 10814.9/62

In: 0.360+/-0.027 χ^2/NDF:12714.0/51

Out: 0.357+/-0.027 χ^2/NDF:11855.4/58

All: 0.359+/-0.019 χ^2/NDF: 24569.3/110

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.099+/-0.039 χ^2/NDF: 116212.9/28

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

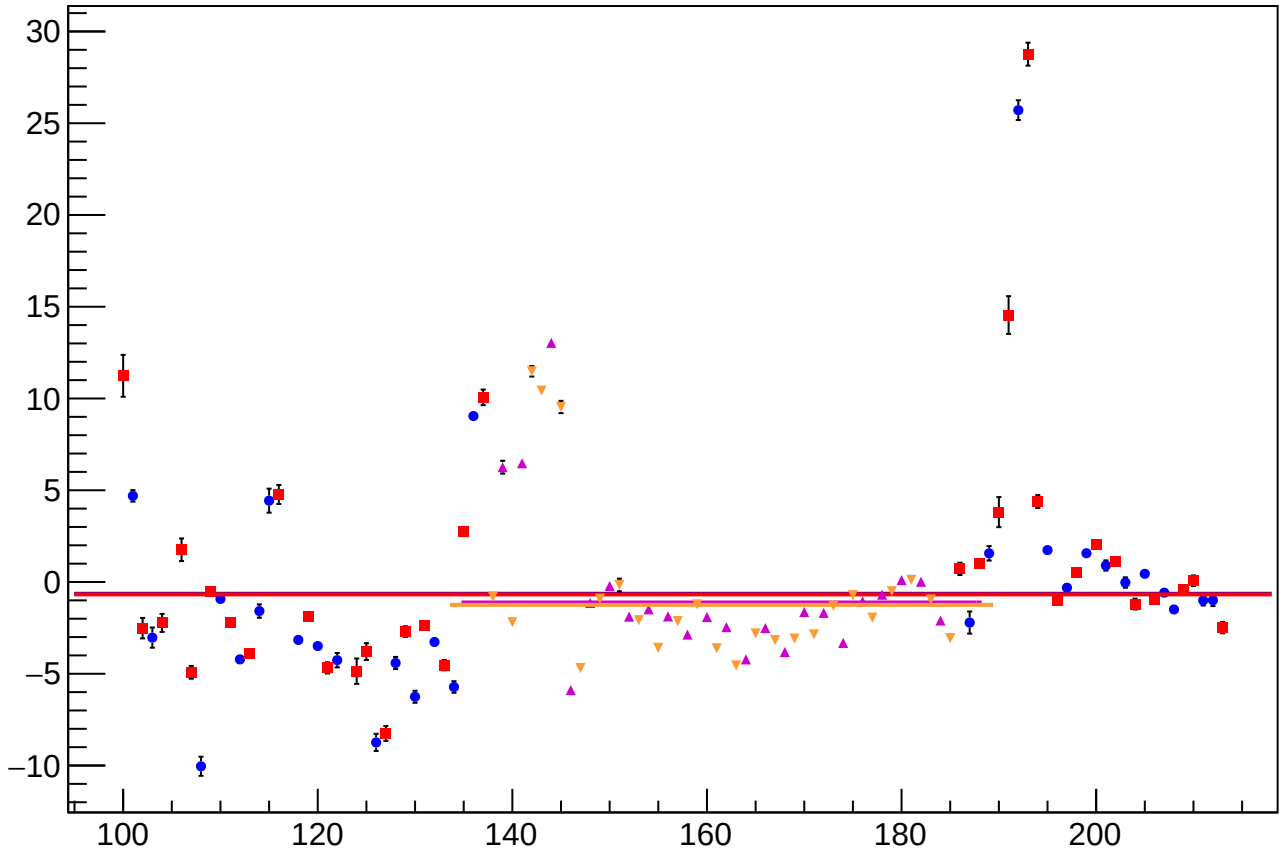
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: -1.162+/-0.026 χ^2/NDF: 232884.6/62

In: -0.918+/-0.028 χ^2/NDF:241789.6/51

Out: -1.567+/-0.027 χ^2/NDF:282912.1/58

All: -1.256+/-0.019 χ^2/NDF: 524980.6/110



Right In: -0.642+/-0.053 χ^2/NDF: 7182.7/28

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

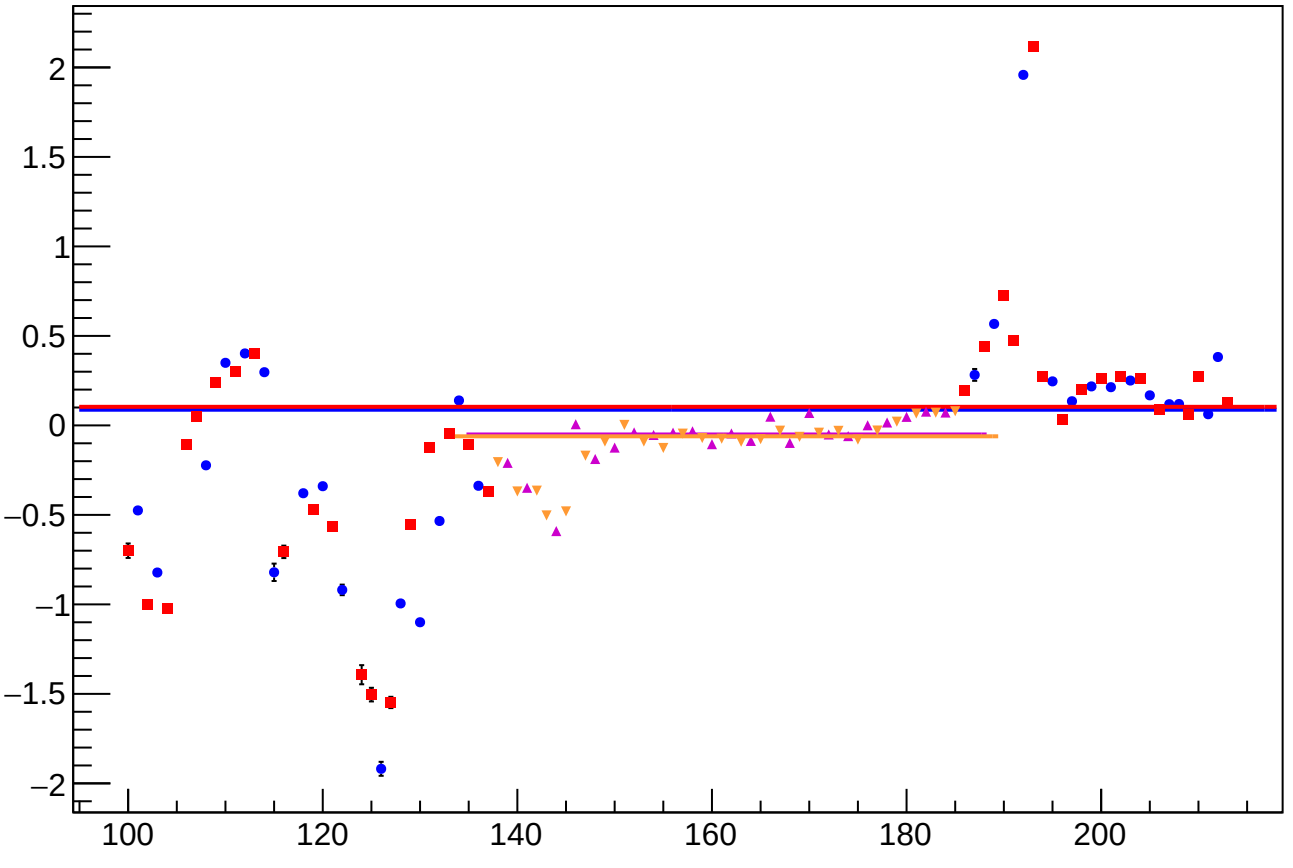
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.659+/-0.037 χ^2/NDF: 12680.4/62

In: -0.969+/-0.030 χ^2/NDF:14077.3/51

Out: -1.044+/-0.030 χ^2/NDF:12347.9/58

All: -1.006+/-0.021 χ^2/NDF: 26428.4/110



Right In: 0.088+/-0.002 χ^2/NDF: 33630.0/28

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

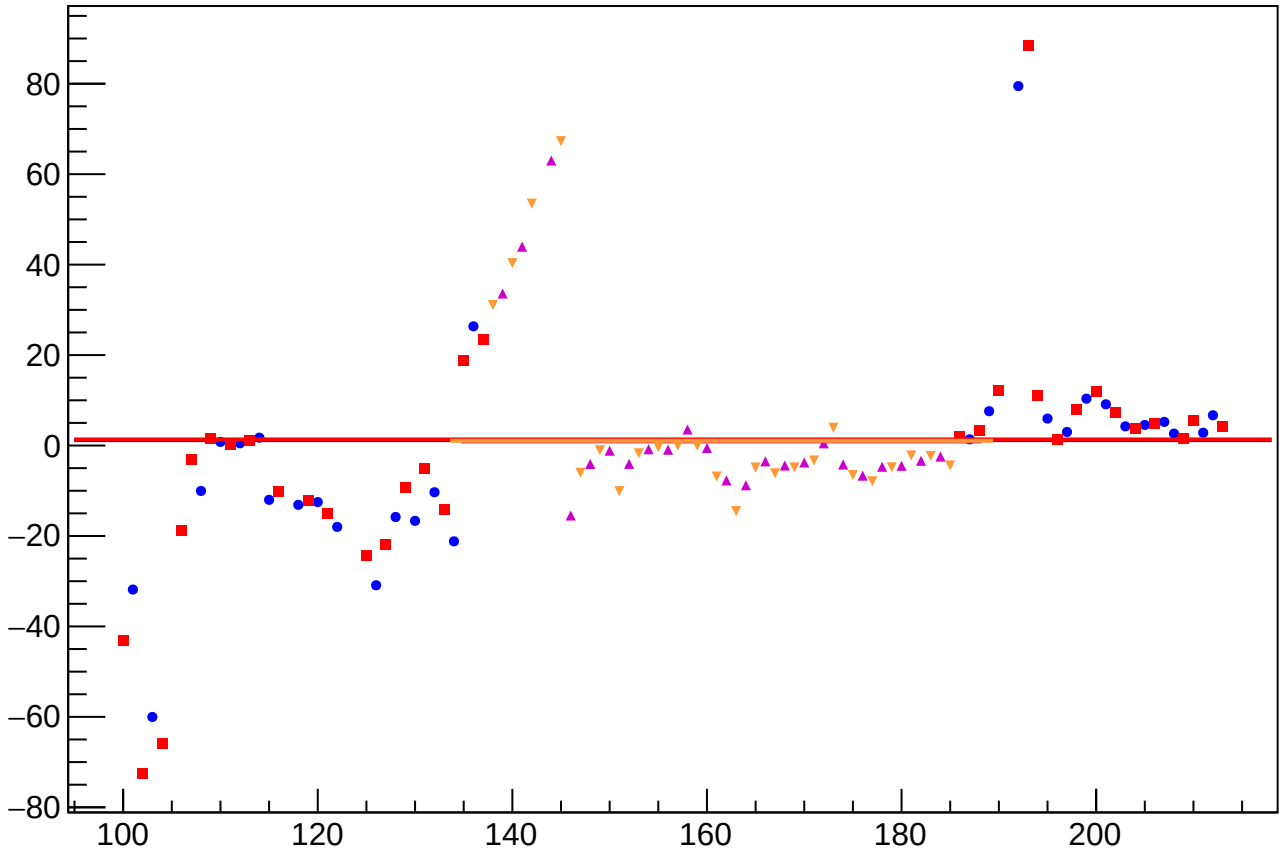
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: 0.096+/-0.002 χ^2/NDF: 67395.2/62

In: -0.010+/-0.001 χ^2/NDF:40902.3/51

Out: -0.006+/-0.001 χ^2/NDF:42618.8/58

All: -0.008+/-0.001 χ^2/NDF: 83524.6/110



Right In: 1.200+/-0.037 χ^2/NDF: 121532.6/28

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

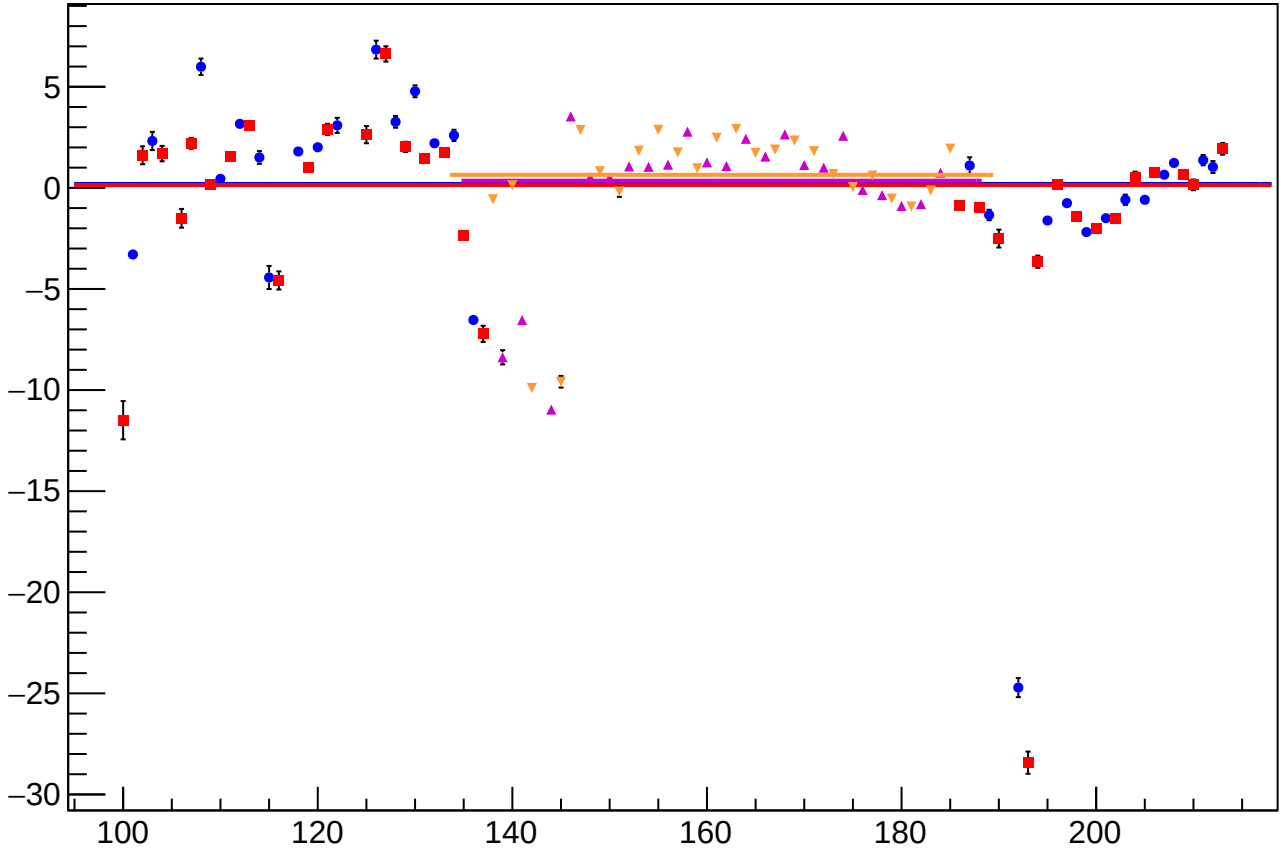
Right: 1.281+/-0.024 χ^2/NDF: 241250.2/60

In: 1.068+/-0.027 χ^2/NDF:254368.2/51

Out: 1.231+/-0.025 χ^2/NDF:250771.4/55

All: 1.154+/-0.019 χ^2/NDF: 505158.9/107

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.192+/-0.045 χ^2/NDF: 6021.1/28

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

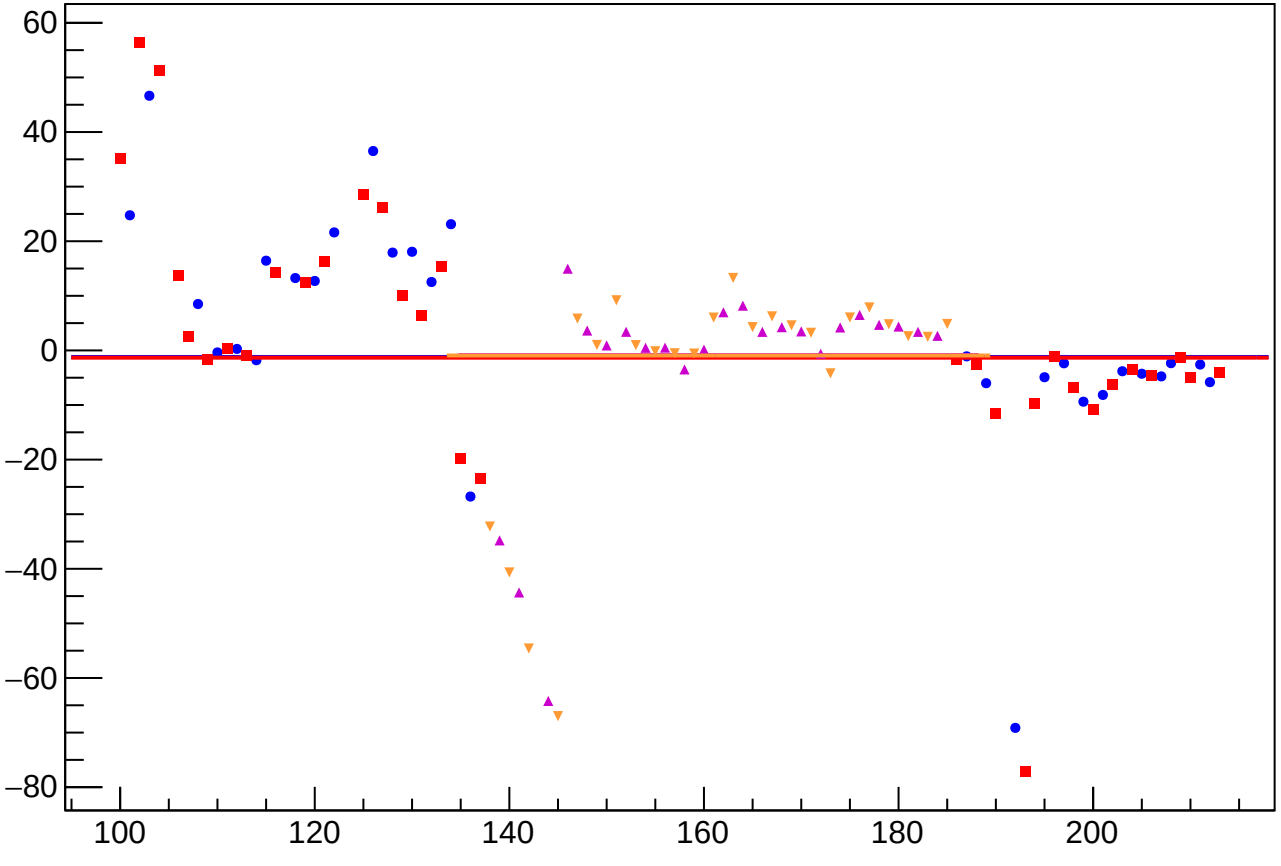
Right: 0.164+/-0.031 χ^2/NDF: 11059.3/60

In: 0.302+/-0.026 χ^2/NDF:13146.9/51

Out: 0.454+/-0.026 χ^2/NDF:9835.5/55

All: 0.377+/-0.018 χ^2/NDF: 22999.5/107

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.202+/-0.038 χ^2/NDF: 119938.0/28

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

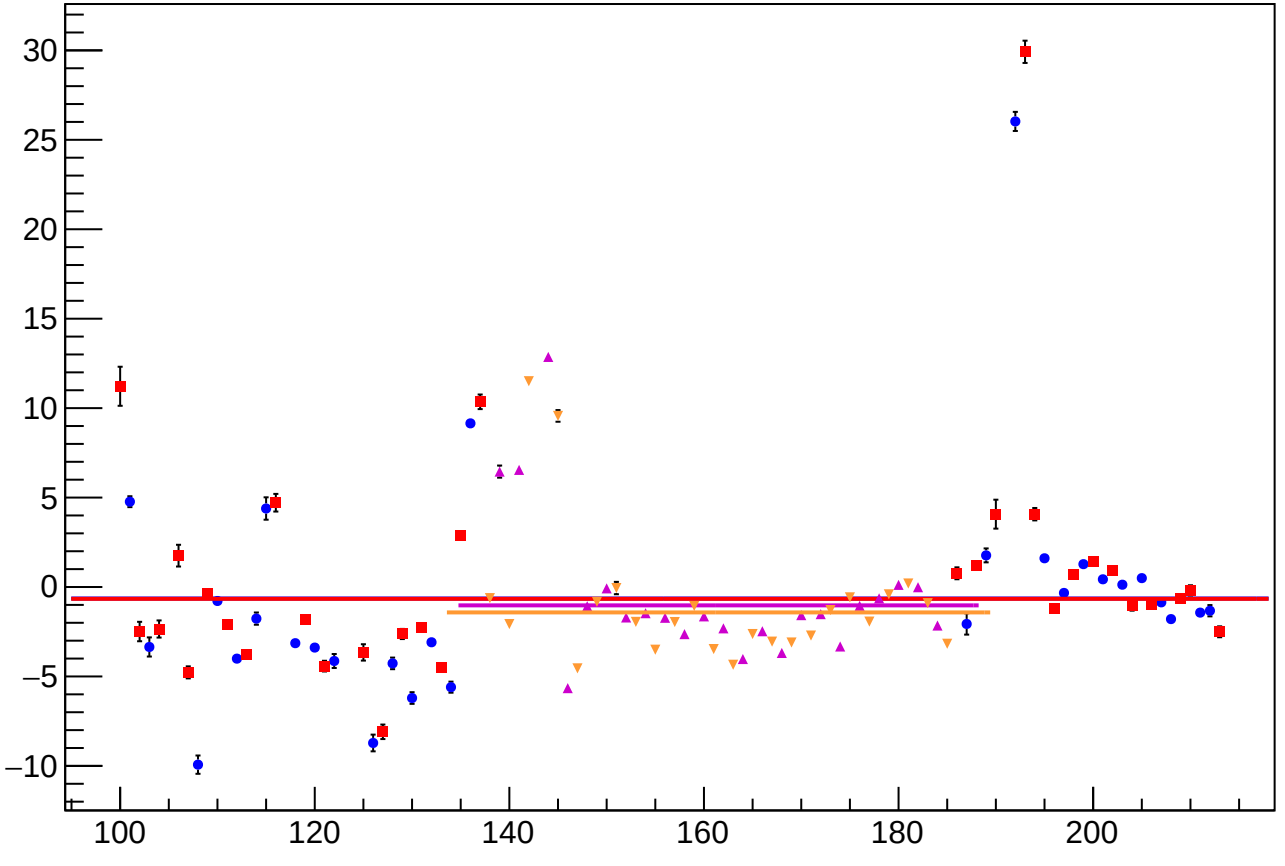
Right: -1.271+/-0.025 χ^2/NDF: 237766.3/60

In: -1.037+/-0.027 χ^2/NDF:249462.2/51

Out: -1.161+/-0.026 χ^2/NDF:244257.4/55

All: -1.102+/-0.019 χ^2/NDF: 493730.4/107

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.643+/-0.052 χ^2/NDF: 7486.8/28

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

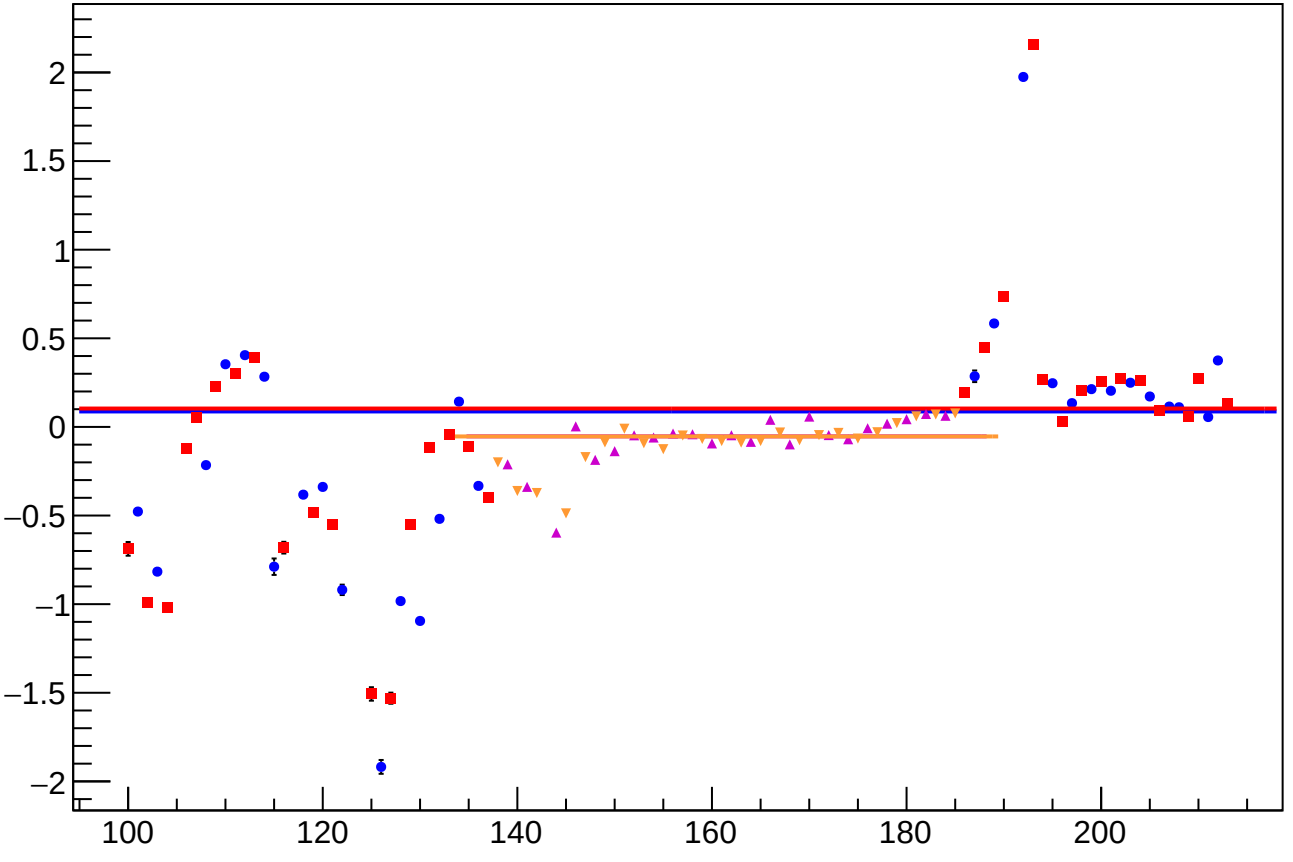
Right: -0.652+/-0.036 χ^2/NDF: 13032.0/60

In: -0.908+/-0.029 χ^2/NDF:14571.4/51

Out: -1.150+/-0.029 χ^2/NDF:10340.0/55

All: -1.027+/-0.021 χ^2/NDF: 24946.0/107

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.087+/-0.002 χ^2/NDF: 34750.7/28

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

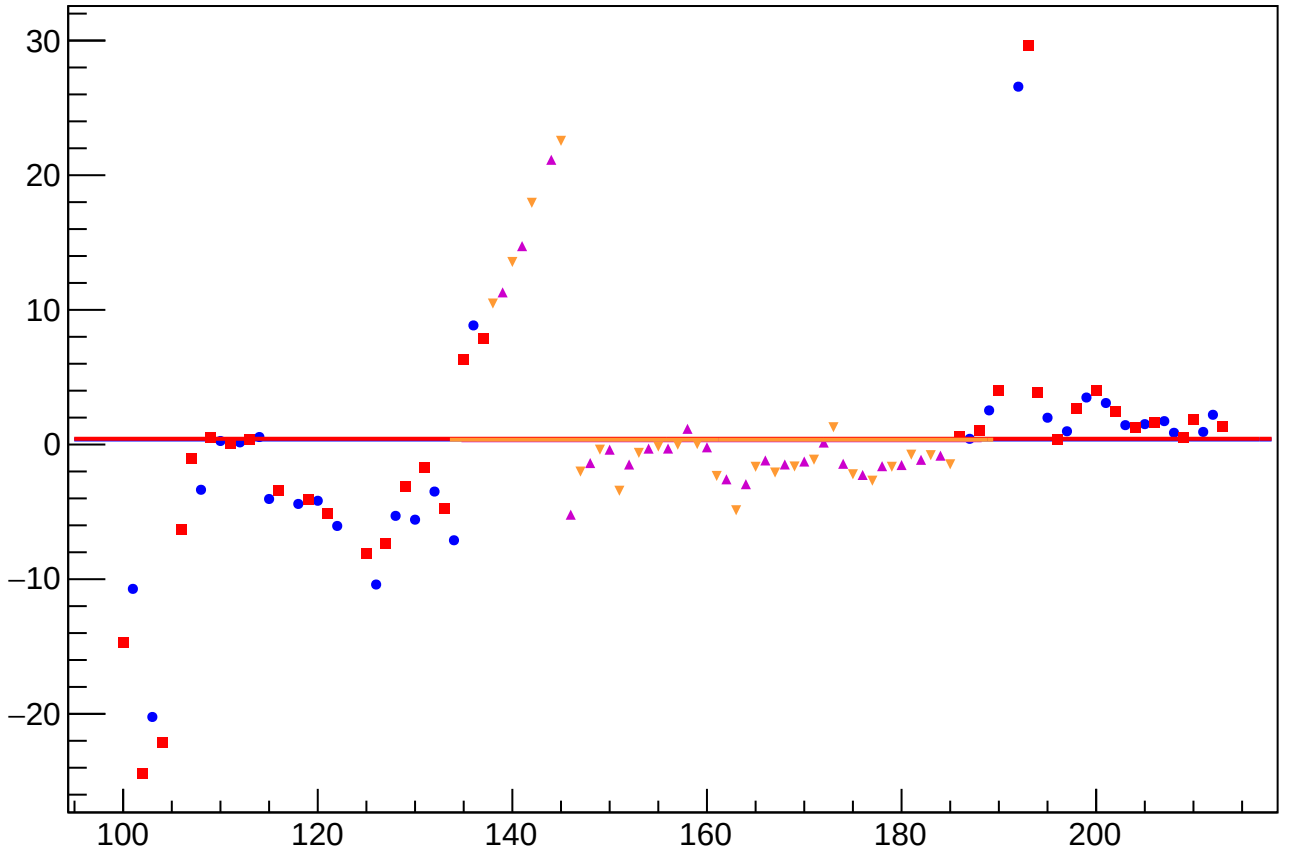
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: 0.096+/-0.002 χ^2/NDF: 68978.2/60

In: -0.012+/-0.001 χ^2/NDF:42376.9/51

Out: -0.001+/-0.001 χ^2/NDF:41798.1/55

All: -0.007+/-0.001 χ^2/NDF: 84210.7/107



Right In: 0.375+/-0.013 χ^2/NDF: 119422.7/28

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

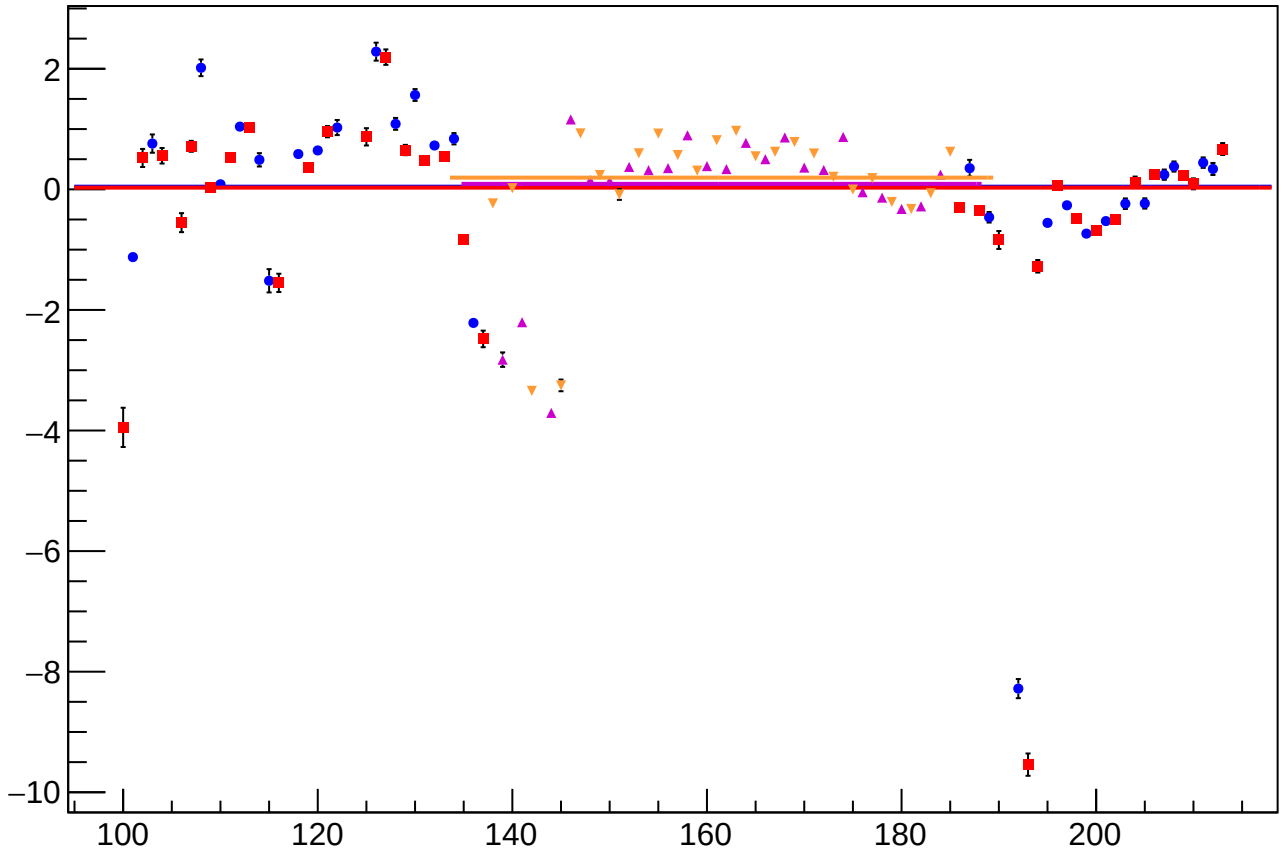
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.405+/-0.008 χ^2/NDF: 237241.0/60

In: 0.348+/-0.009 χ^2/NDF:249656.5/51

Out: 0.401+/-0.009 χ^2/NDF:246653.2/55

All: 0.376+/-0.006 χ^2/NDF: 496326.9/107



Right In: 0.044+/-0.015 χ^2/NDF: 5893.5/28

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

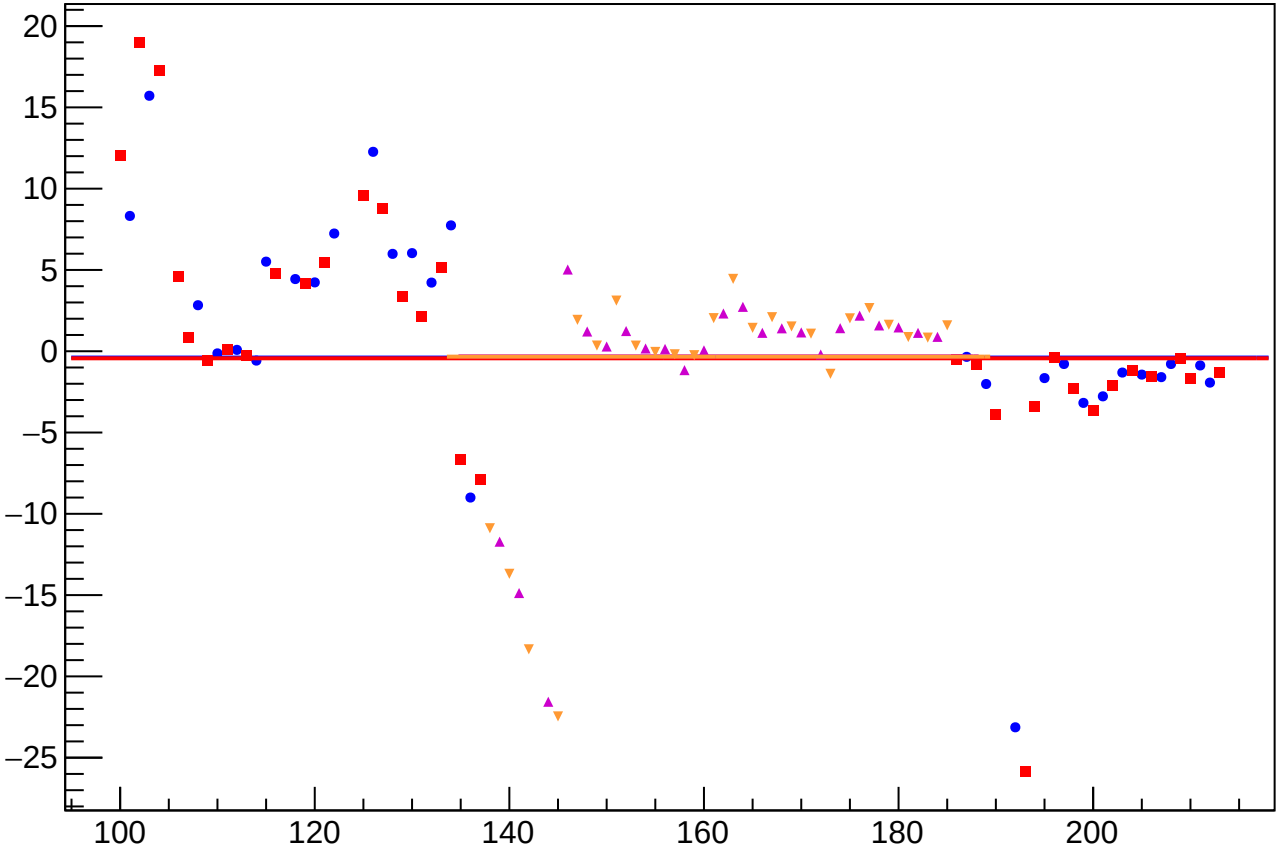
Right: 0.036+/-0.011 χ^2/NDF: 10843.0/60

In: 0.076+/-0.009 χ^2/NDF:12836.1/51

Out: 0.132+/-0.009 χ^2/NDF:9674.1/55

All: 0.104+/-0.006 χ^2/NDF: 22530.3/107

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.389+/-0.013 χ^2/NDF: 117881.2/28

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

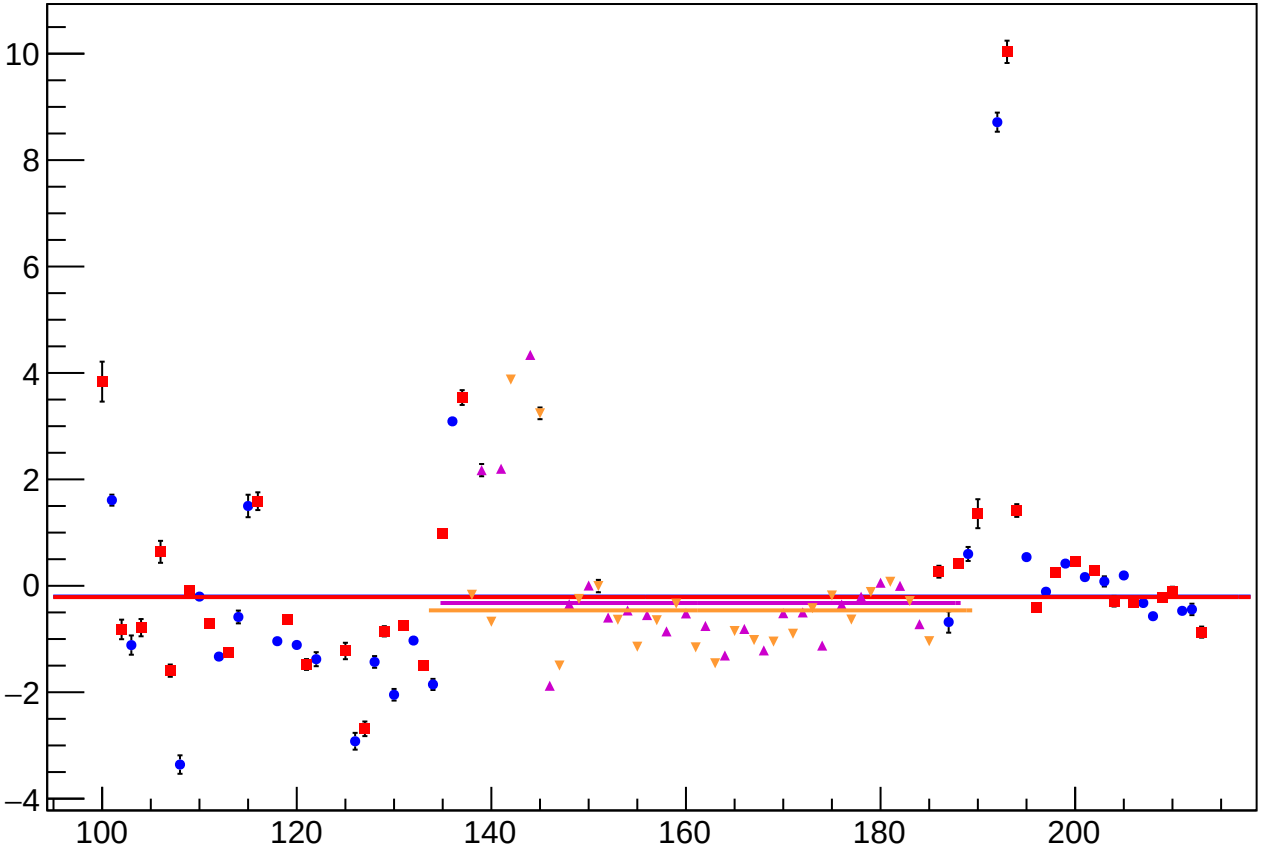
Right: -0.414+/-0.009 χ^2/NDF: 233880.8/60

In: -0.353+/-0.009 χ^2/NDF:244896.6/51

Out: -0.392+/-0.009 χ^2/NDF:240257.7/55

All: -0.373+/-0.006 χ^2/NDF: 485163.5/107

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.202+/-0.018 χ^2/NDF: 7330.4/28

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

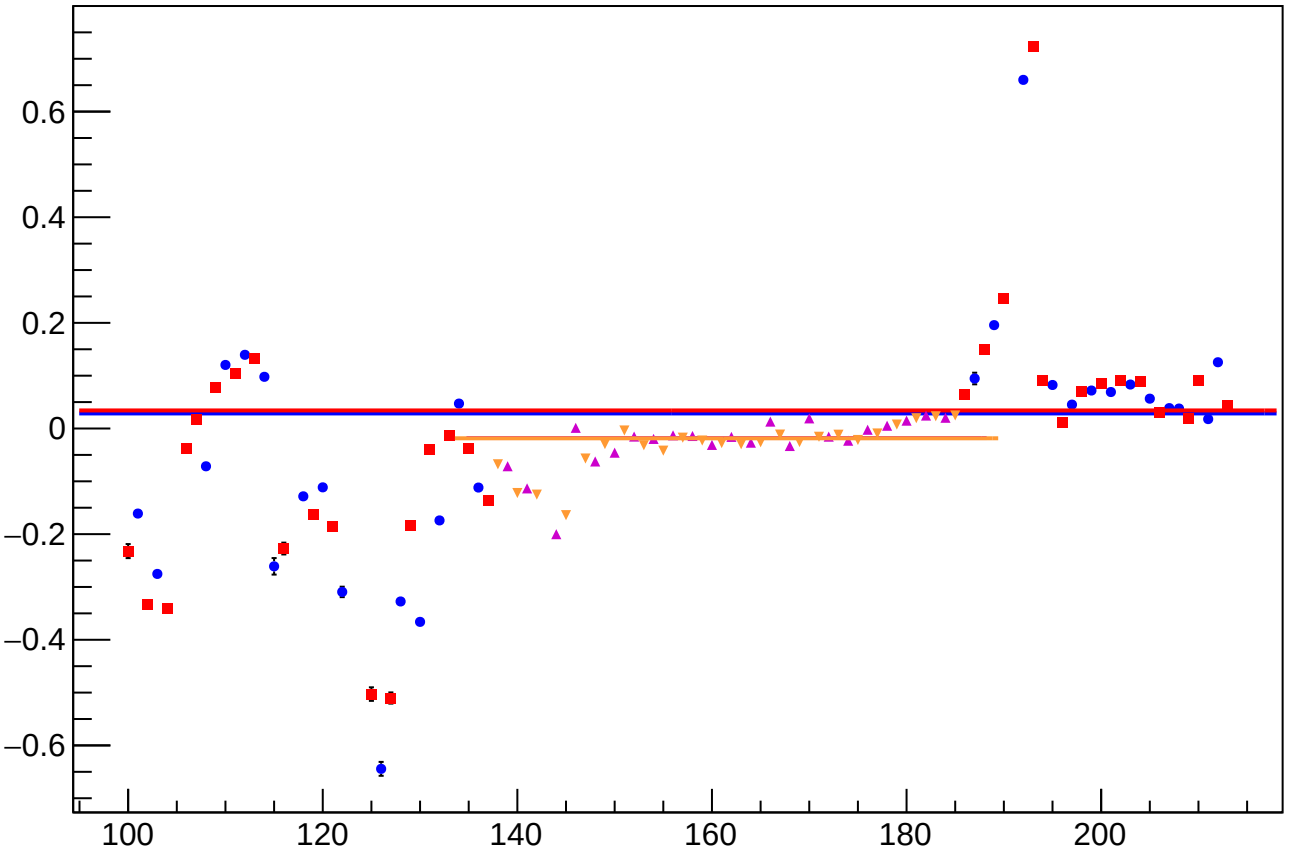
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.207+/-0.012 χ^2/NDF: 12781.9/60

In: -0.286+/-0.010 χ^2/NDF:14244.2/51

Out: -0.374+/-0.010 χ^2/NDF:10171.4/55

All: -0.329+/-0.007 χ^2/NDF: 24454.3/107



Right In: 0.029+/-0.001 χ^2/NDF: 34159.6/28

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

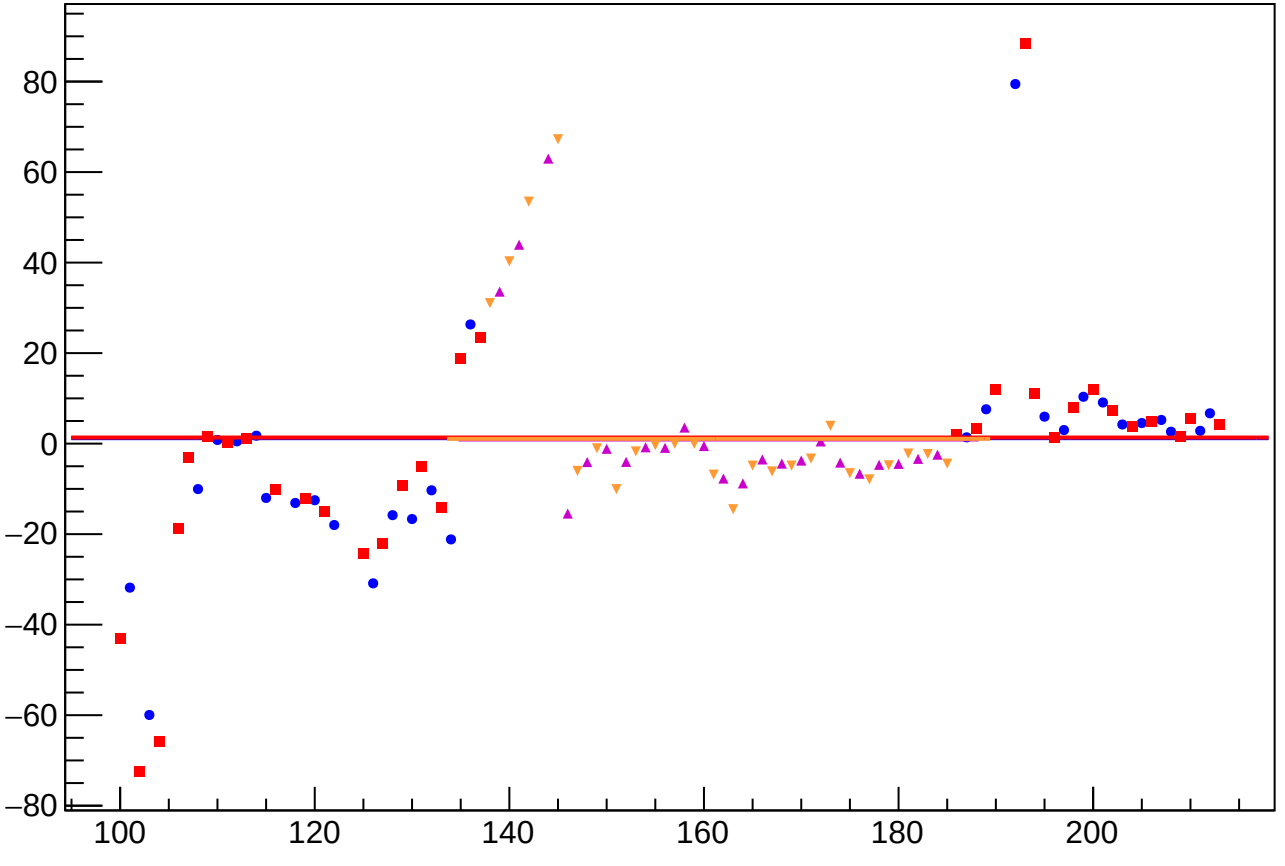
Right: 0.031+/-0.001 χ^2/NDF: 67755.0/60

In: -0.004+/-0.000 χ^2/NDF:41475.2/51

Out: -0.001+/-0.000 χ^2/NDF:40903.9/55

All: -0.003+/-0.000 χ^2/NDF: 82407.6/107

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.037 χ^2/NDF: 121556.2/28

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

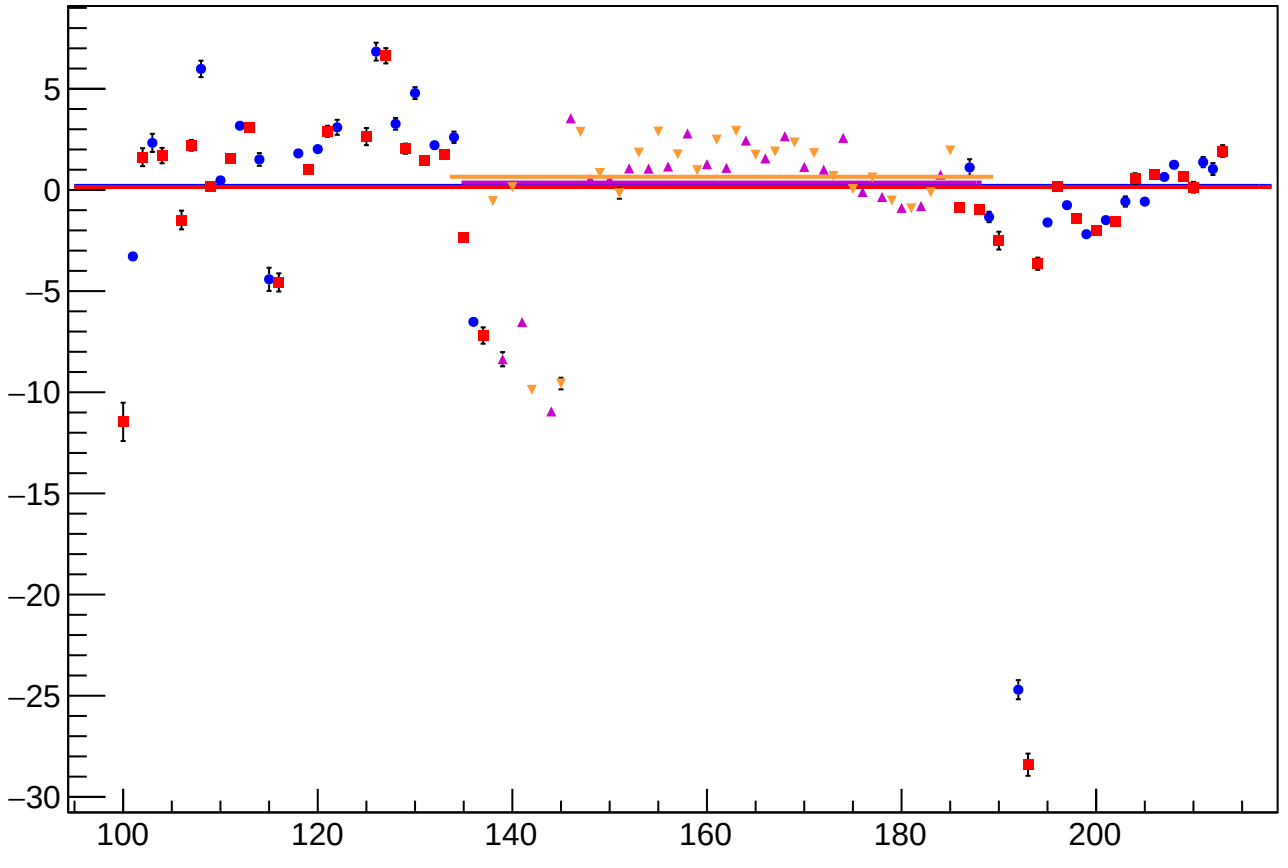
Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

Right: 1.286+/-0.024 χ^2/NDF: 241298.5/60

In: 1.072+/-0.027 χ^2/NDF:254401.1/51

Out: 1.235+/-0.025 χ^2/NDF:250775.7/55

All: 1.159+/-0.018 χ^2/NDF: 505196.2/107



Right In: 0.200+/-0.045 χ^2/NDF: 6024.7/28

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

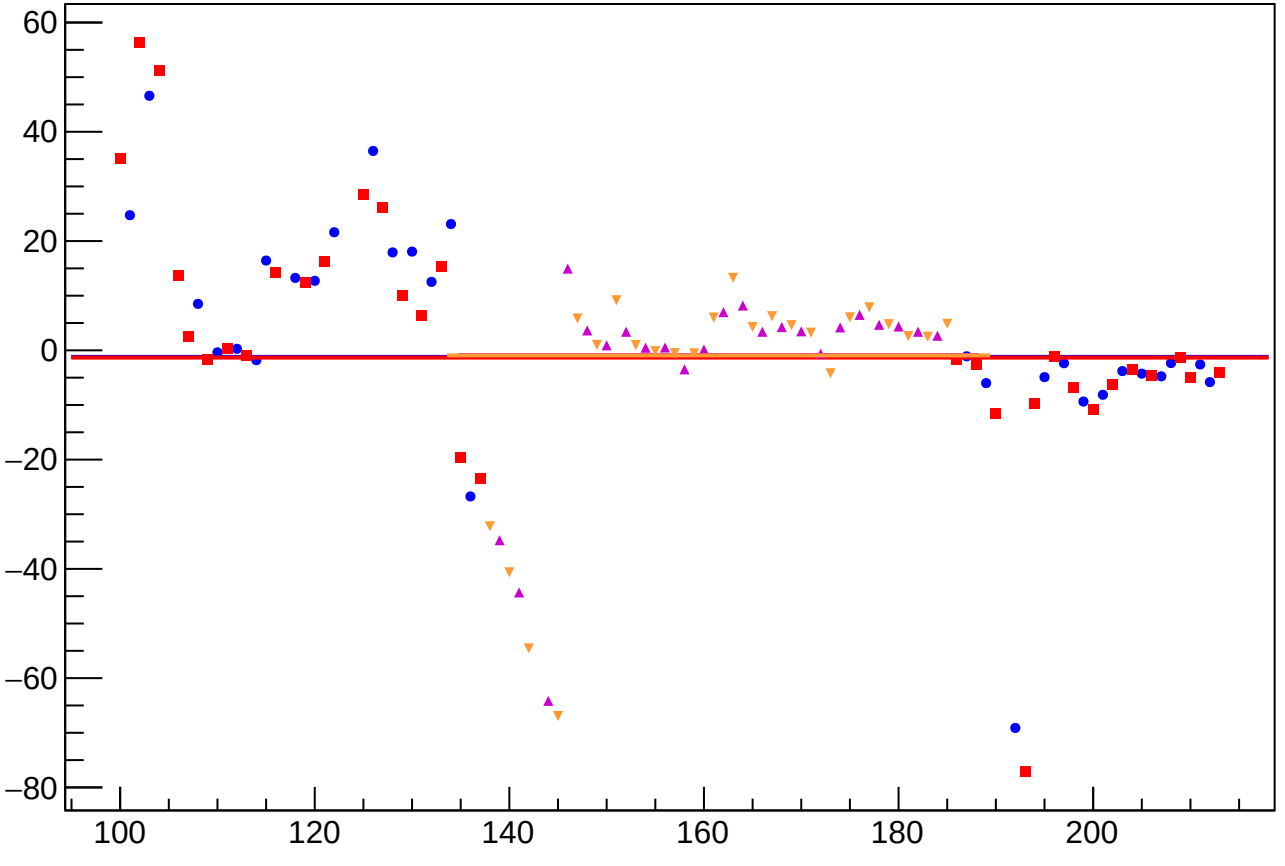
Right: 0.171+/-0.031 χ^2/NDF: 11064.0/60

In: 0.311+/-0.026 χ^2/NDF:13156.1/51

Out: 0.461+/-0.026 χ^2/NDF:9835.2/55

All: 0.384+/-0.018 χ^2/NDF: 23008.0/107

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.202+/-0.038 χ^2/NDF: 119958.4/28

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

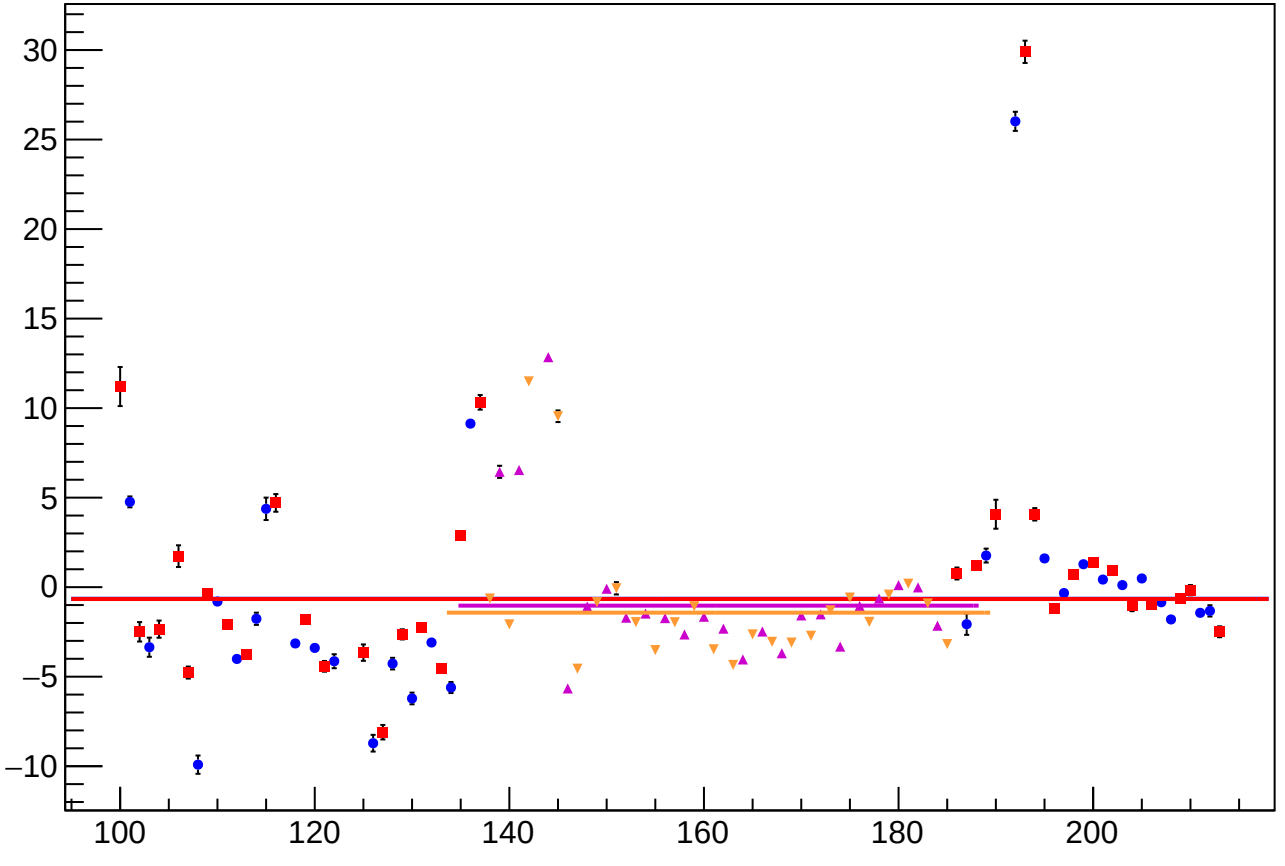
Right: -1.271+/-0.025 χ^2/NDF: 237805.5/60

In: -1.036+/-0.027 χ^2/NDF:249489.2/51

Out: -1.161+/-0.026 χ^2/NDF:244258.3/55

All: -1.101+/-0.019 χ^2/NDF: 493758.4/107

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.648+/-0.052 χ^2/NDF: 7489.6/28

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

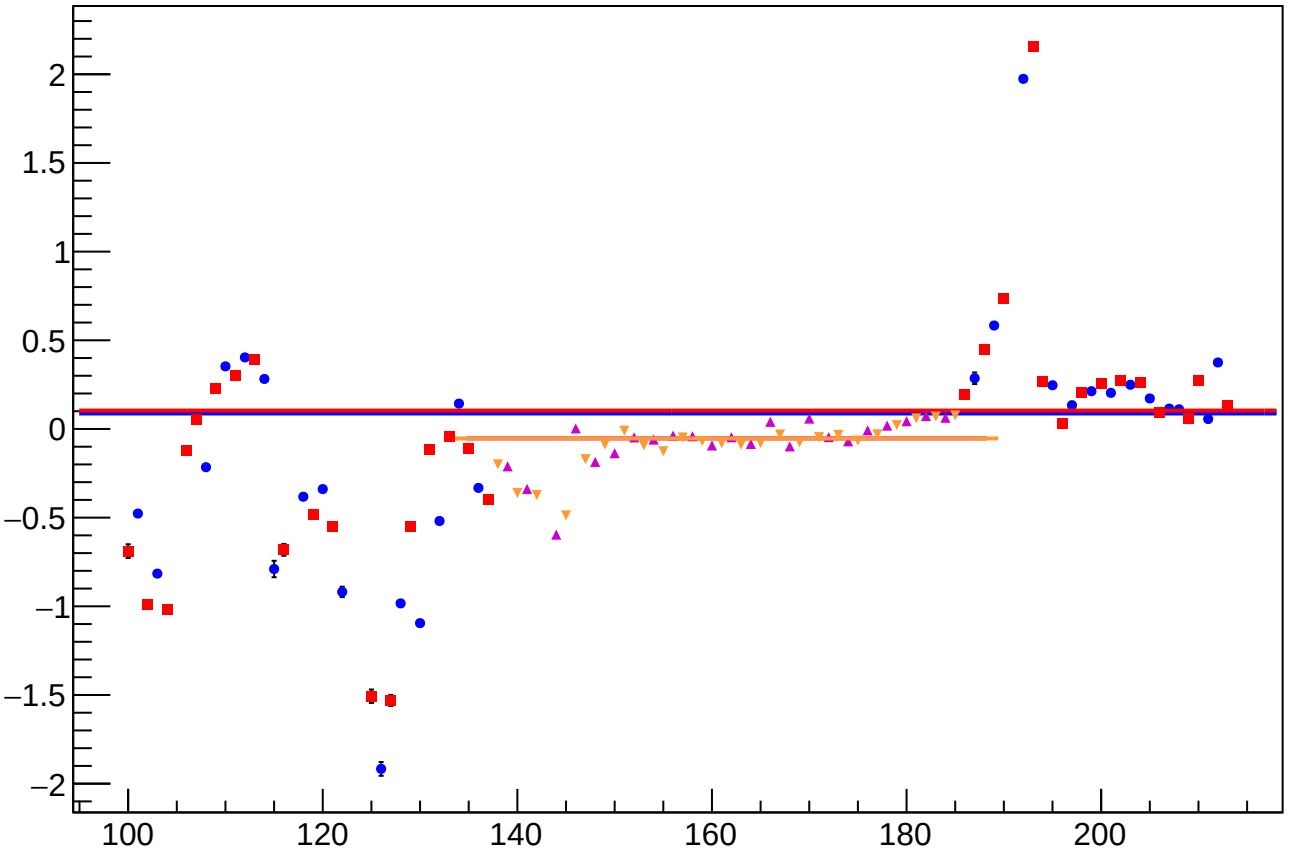
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -0.656+/-0.036 χ^2/NDF: 13034.6/60

In: -0.913+/-0.029 χ^2/NDF:14578.8/51

Out: -1.154+/-0.029 χ^2/NDF:10338.6/55

All: -1.031+/-0.021 χ^2/NDF: 24951.5/107



Right In: 0.087+/-0.002 χ^2/NDF: 34759.8/28

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

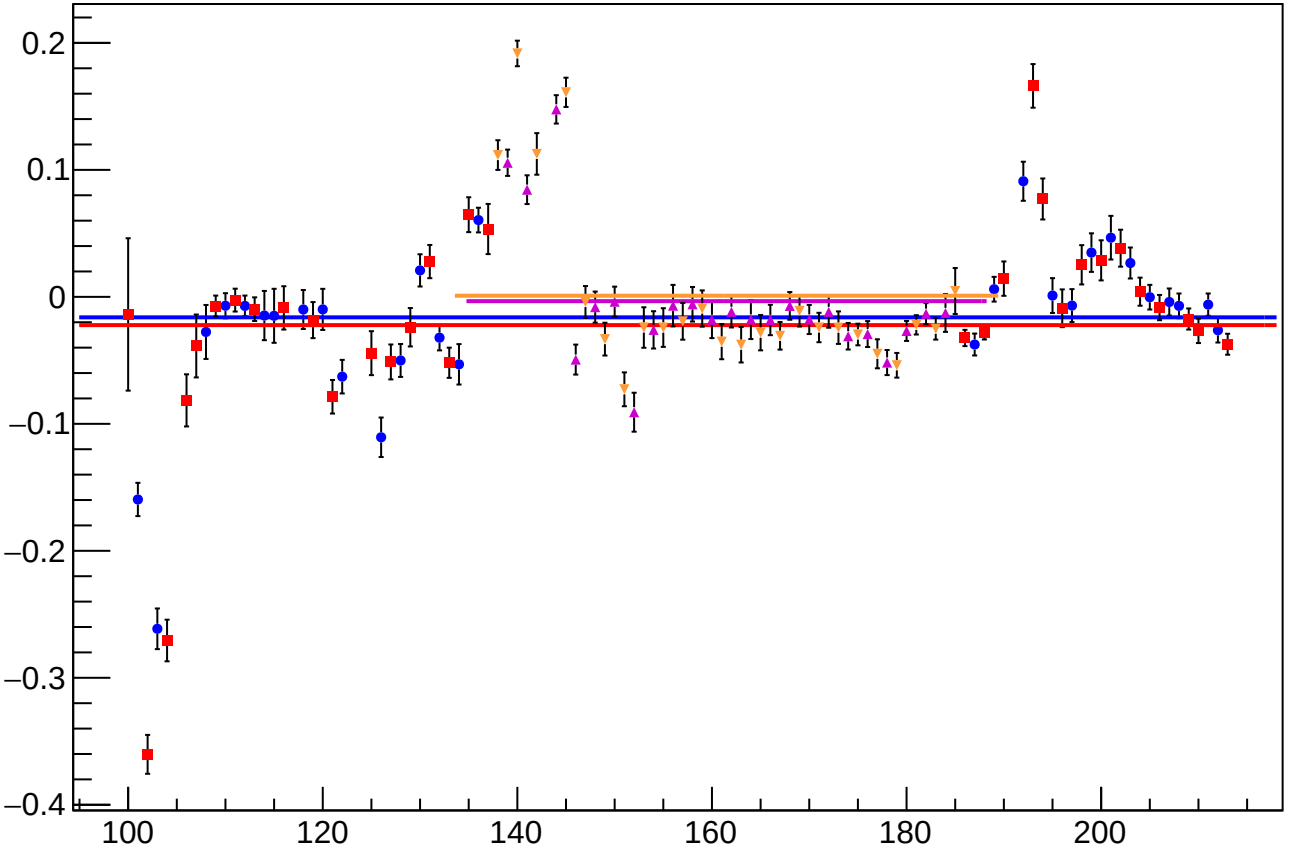
Right: 0.096+/-0.002 χ^2/NDF: 69002.5/60

In: -0.012+/-0.001 χ^2/NDF:42394.5/51

Out: -0.001+/-0.001 χ^2/NDF:41816.7/55

All: -0.007+/-0.001 χ^2/NDF: 84247.4/107

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.016+/-0.002 χ^2/NDF: 598.0/28

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

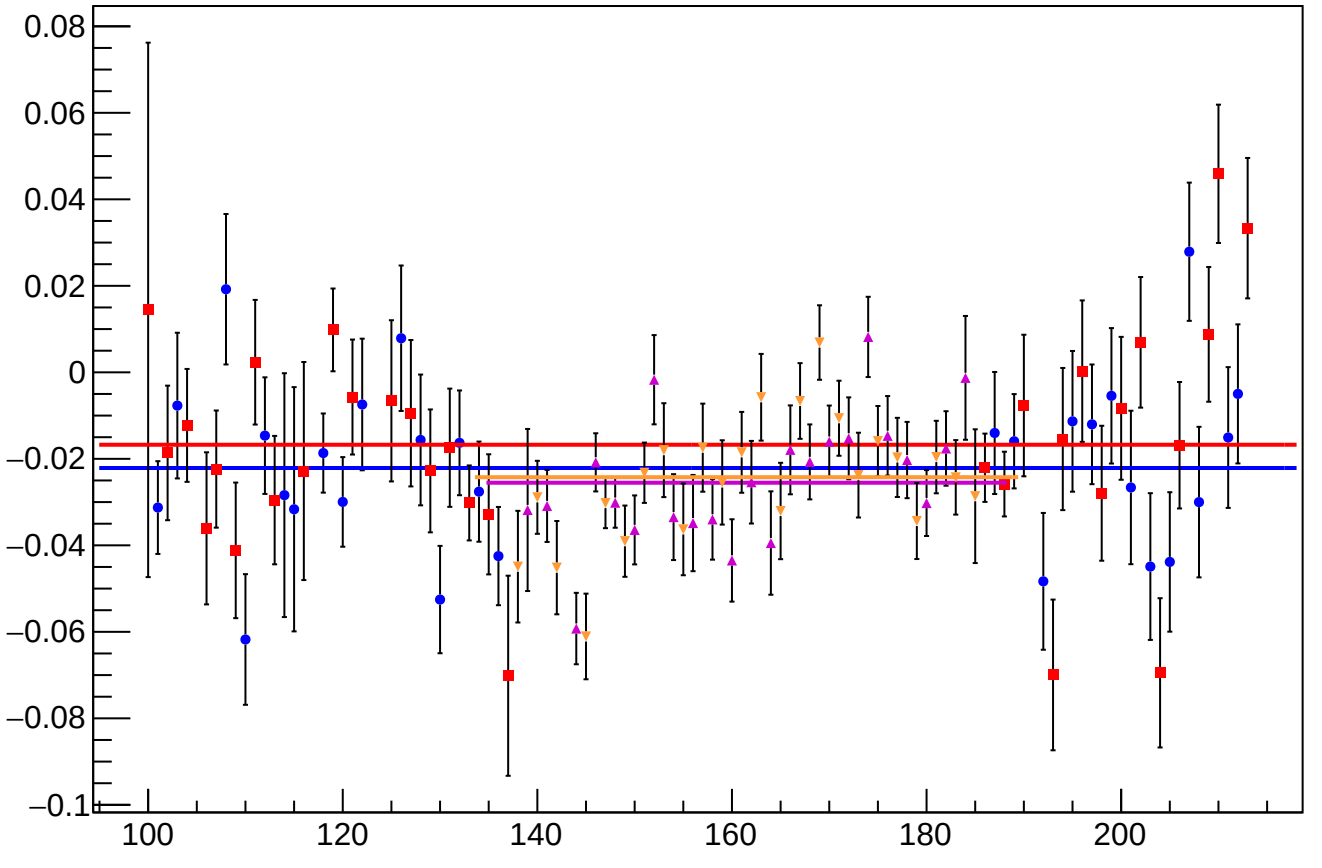
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.019+/-0.001 χ^2/NDF: 1656.8/60

In: -0.010+/-0.002 χ^2/NDF:1071.1/51

Out: -0.013+/-0.002 χ^2/NDF:1959.0/55

All: -0.012+/-0.001 χ^2/NDF: 3031.2/107



Right In: -0.022+/-0.003 χ^2/NDF: 49.7/28

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

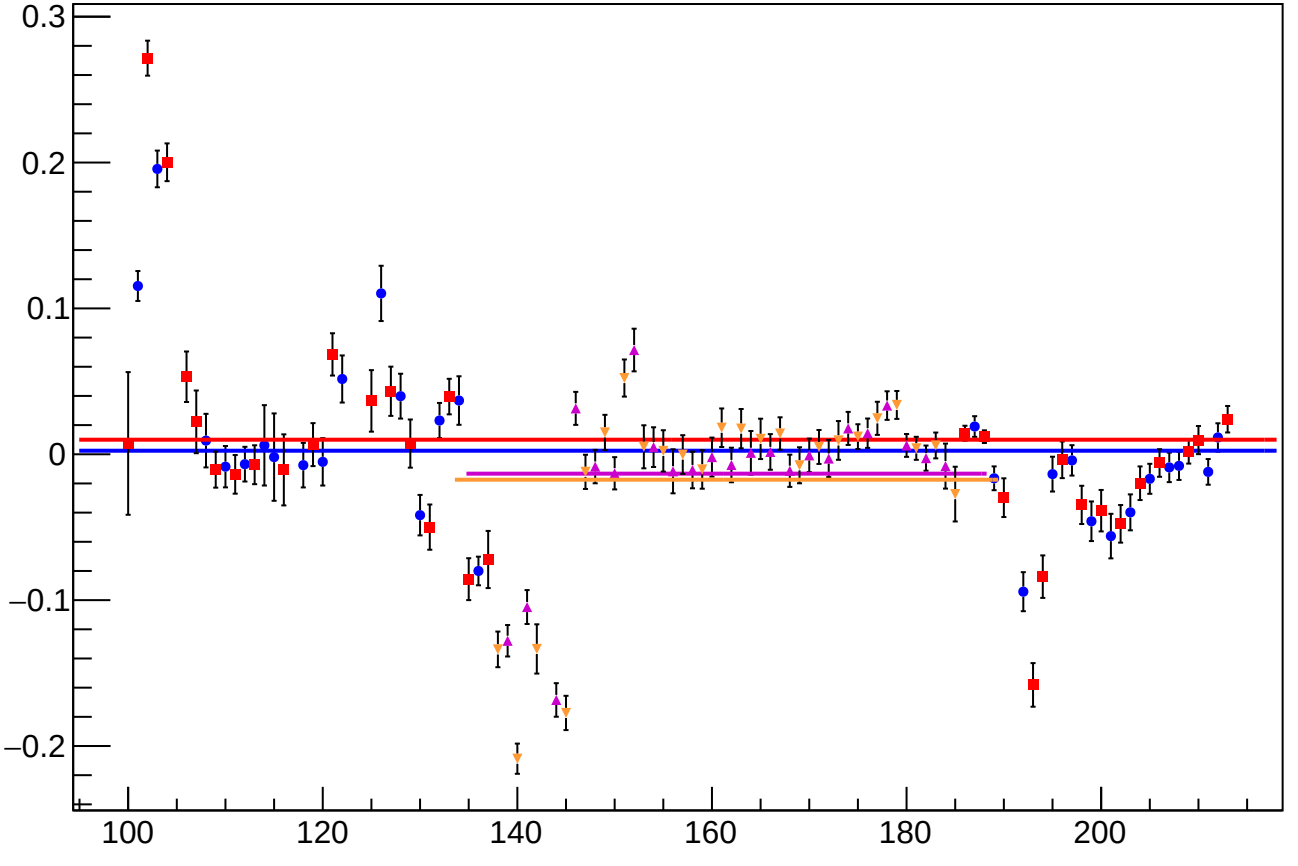
Right: -0.019+/-0.002 χ^2/NDF: 129.6/60

In: -0.024+/-0.002 χ^2/NDF:105.8/51

Out: -0.022+/-0.001 χ^2/NDF:137.4/55

All: -0.023+/-0.001 χ^2/NDF: 245.1/107

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.002+/-0.002 χ^2/NDF: 608.8/28

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

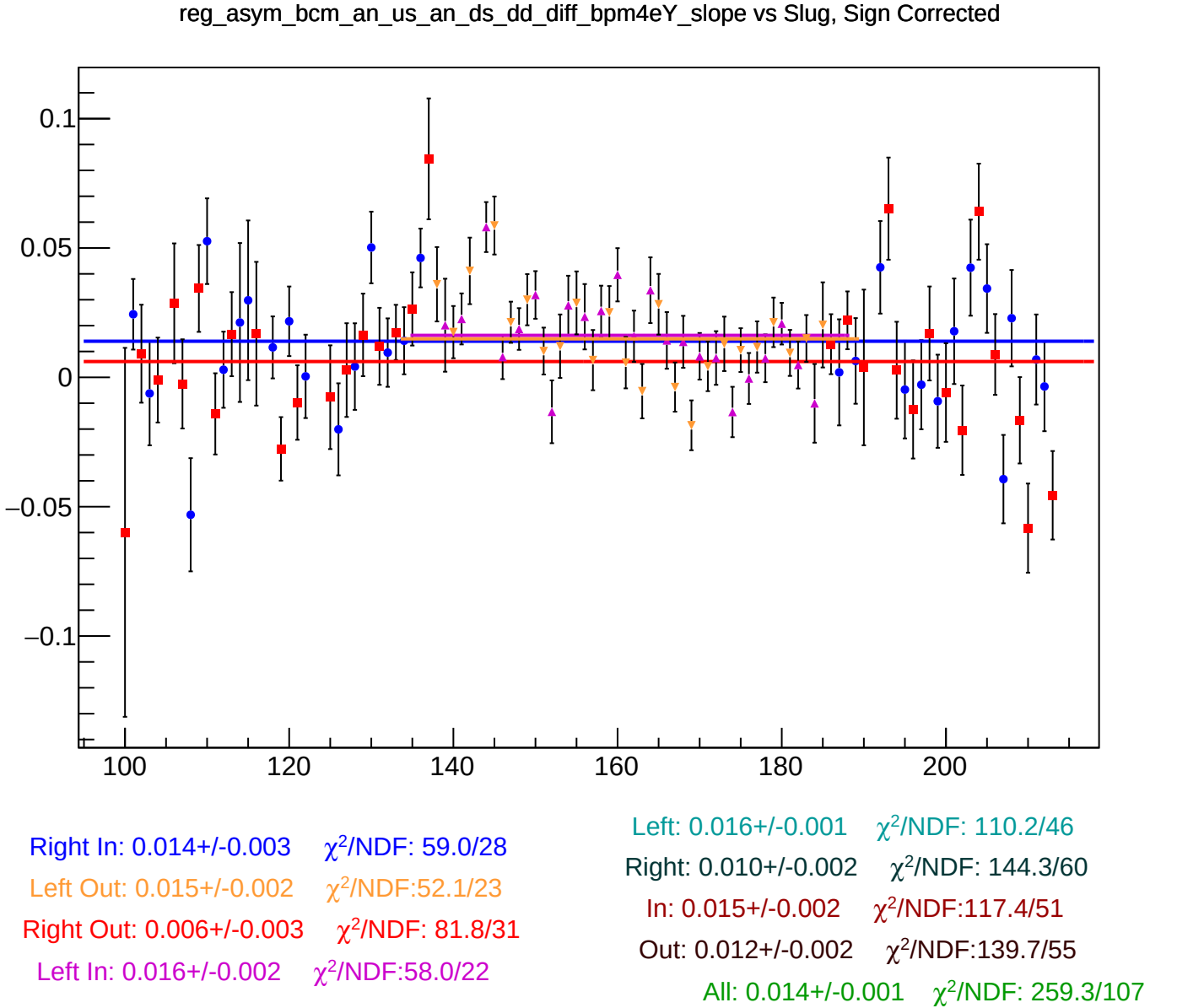
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

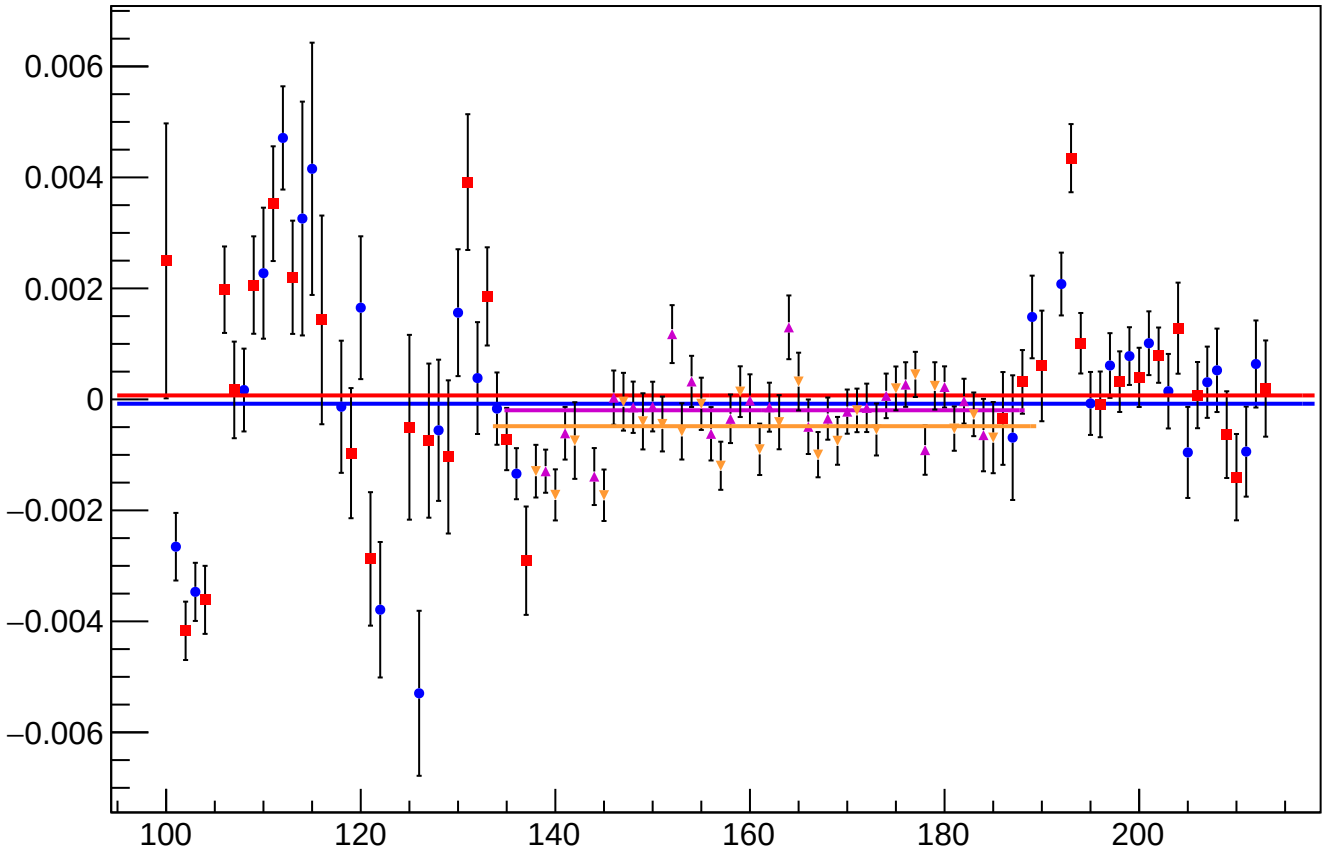
Right: 0.007+/-0.001 χ^2/NDF: 1661.7/60

In: -0.005+/-0.002 χ^2/NDF:1090.8/51

Out: -0.001+/-0.002 χ^2/NDF:1937.6/55

All: -0.003+/-0.001 χ^2/NDF: 3031.2/107


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: 0.014+/-0.003 χ²/NDF: 59.0/28
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: 0.010+/-0.002 χ²/NDF: 144.3/60
In: 0.015+/-0.002 χ²/NDF:117.4/51
Out: 0.012+/-0.002 χ²/NDF:139.7/55
All: 0.014+/-0.001 χ²/NDF: 259.3/107



Right In: -0.000+/-0.000 χ^2/NDF: 160.9/28

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

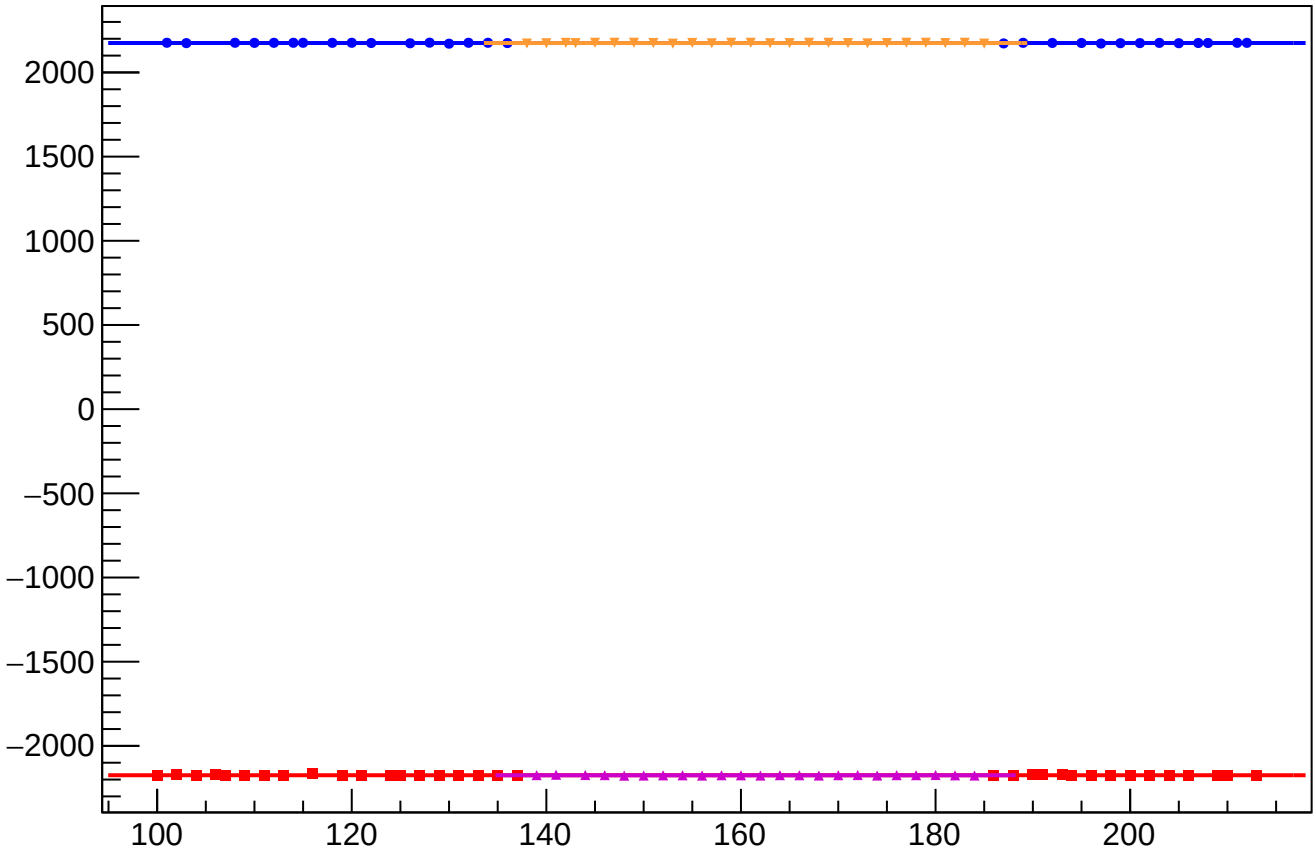
Right: -0.000+/-0.000 χ^2/NDF: 385.4/60

In: -0.000+/-0.000 χ^2/NDF:198.6/51

Out: -0.000+/-0.000 χ^2/NDF:276.3/55

All: -0.000+/-0.000 χ^2/NDF: 476.6/107

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.877+/-0.000 χ^2/NDF: 338689614858854251339527652743577 6.0/28

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

Right Out: -2174.376+/-0.000 χ^2/NDF: 10208363710973137032566068880 6051 84.0/33

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

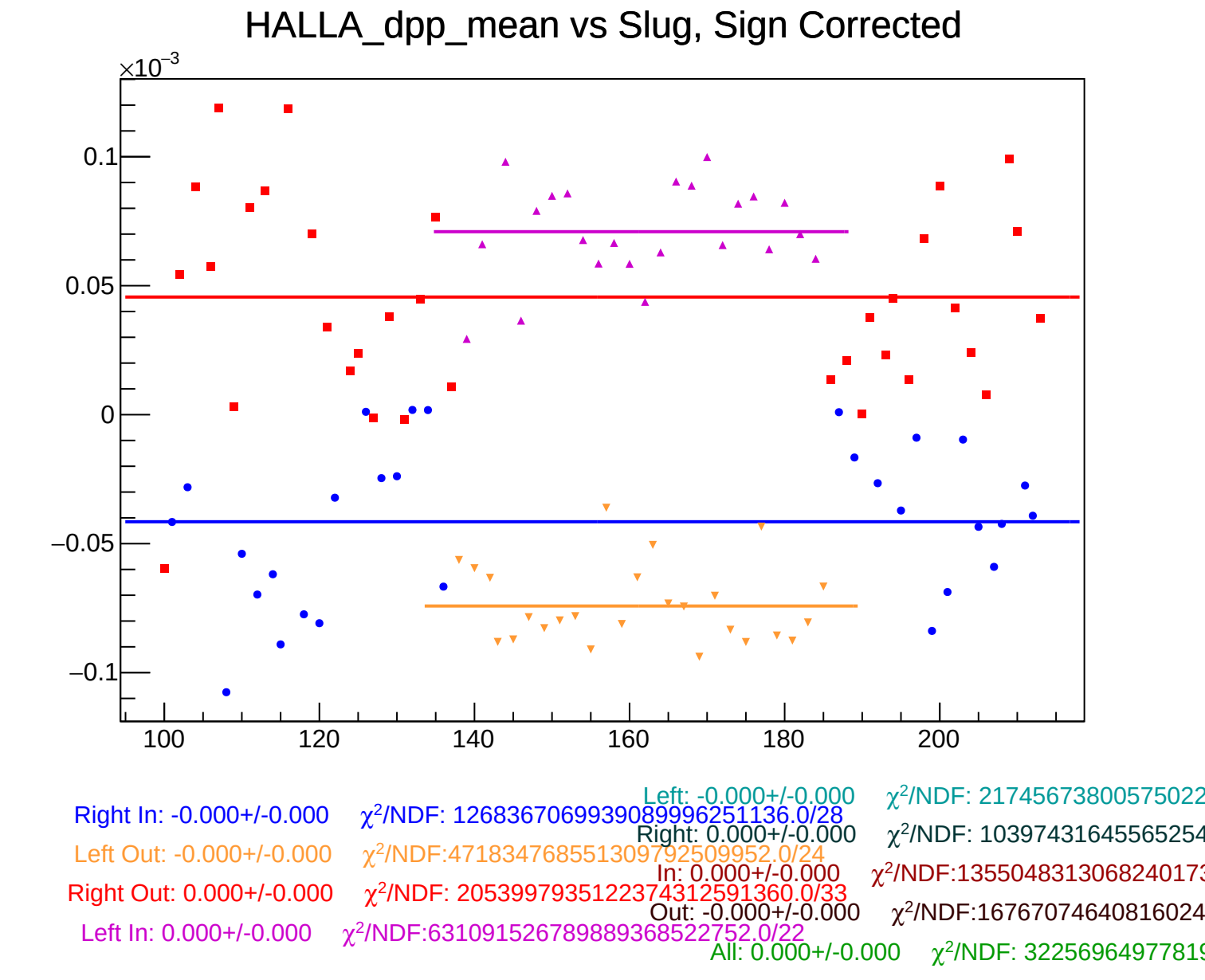
Left: 62.103+/-0.000 χ^2/NDF: 1854116767315315 0

Right: -98.094+/-0.000 χ^2/NDF: 176361472186112 8

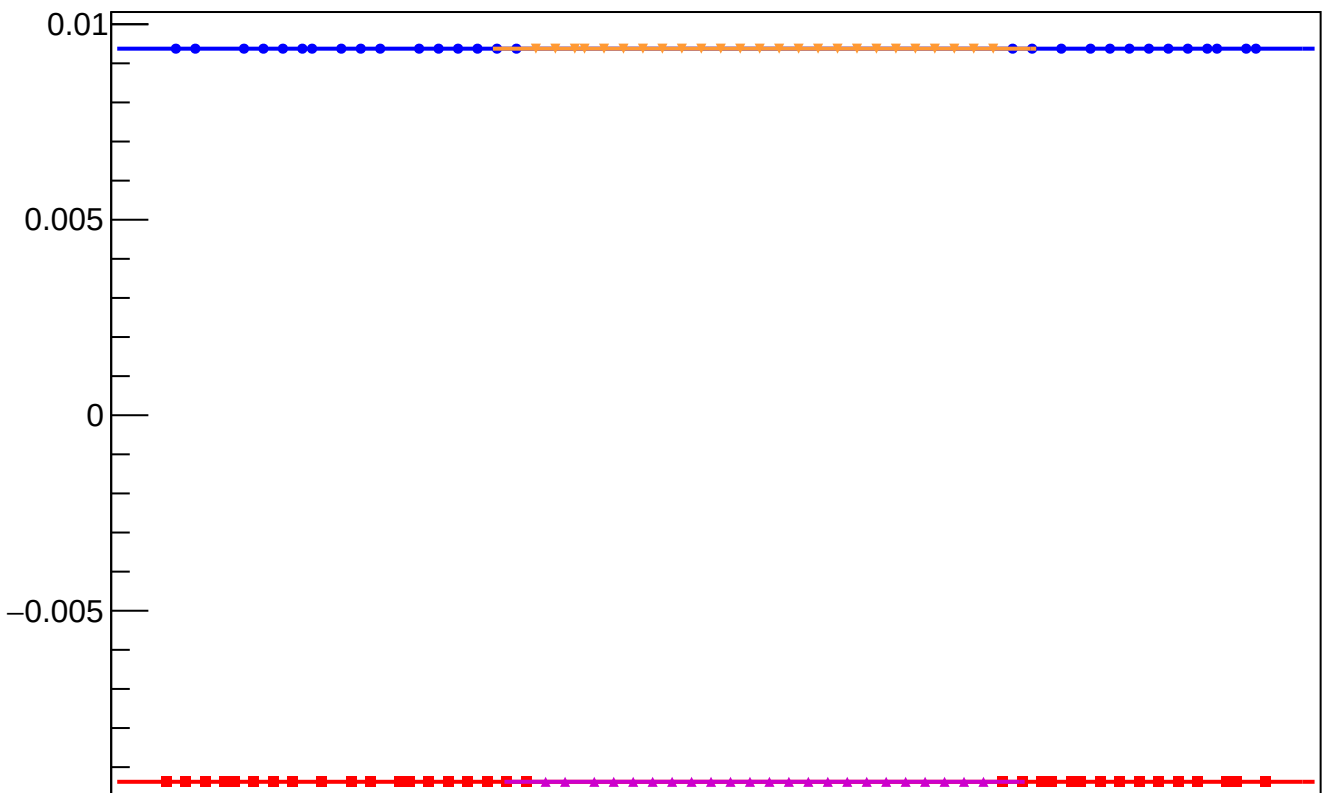
In: -71.749+/-0.000 χ^2/NDF:1743252104514651 1

Out: 35.727+/-0.000 χ^2/NDF:187718220782553 04

All: -16.040+/-0.000 χ^2/NDF: 362264367355


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: 126836706993908999625113 6.0/28
Left Out: -0.000+/-0.000 χ²/NDF:47183476855130979250995 2.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 205399793512237431259136 0.0/33
Left In: 0.000+/-0.000 χ²/NDF:63109152678988936852275 2.0/22
Left: -0.000+/-0.000 χ²/NDF: 21745673800575022
Right: 0.000+/-0.000 χ²/NDF: 10397431645565254
In: 0.000+/-0.000 χ²/NDF:13550483130682401 73
Out: -0.000+/-0.000 χ²/NDF:16767074640816024
All: 0.000+/-0.000 χ²/NDF: 3225696497781

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/28

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

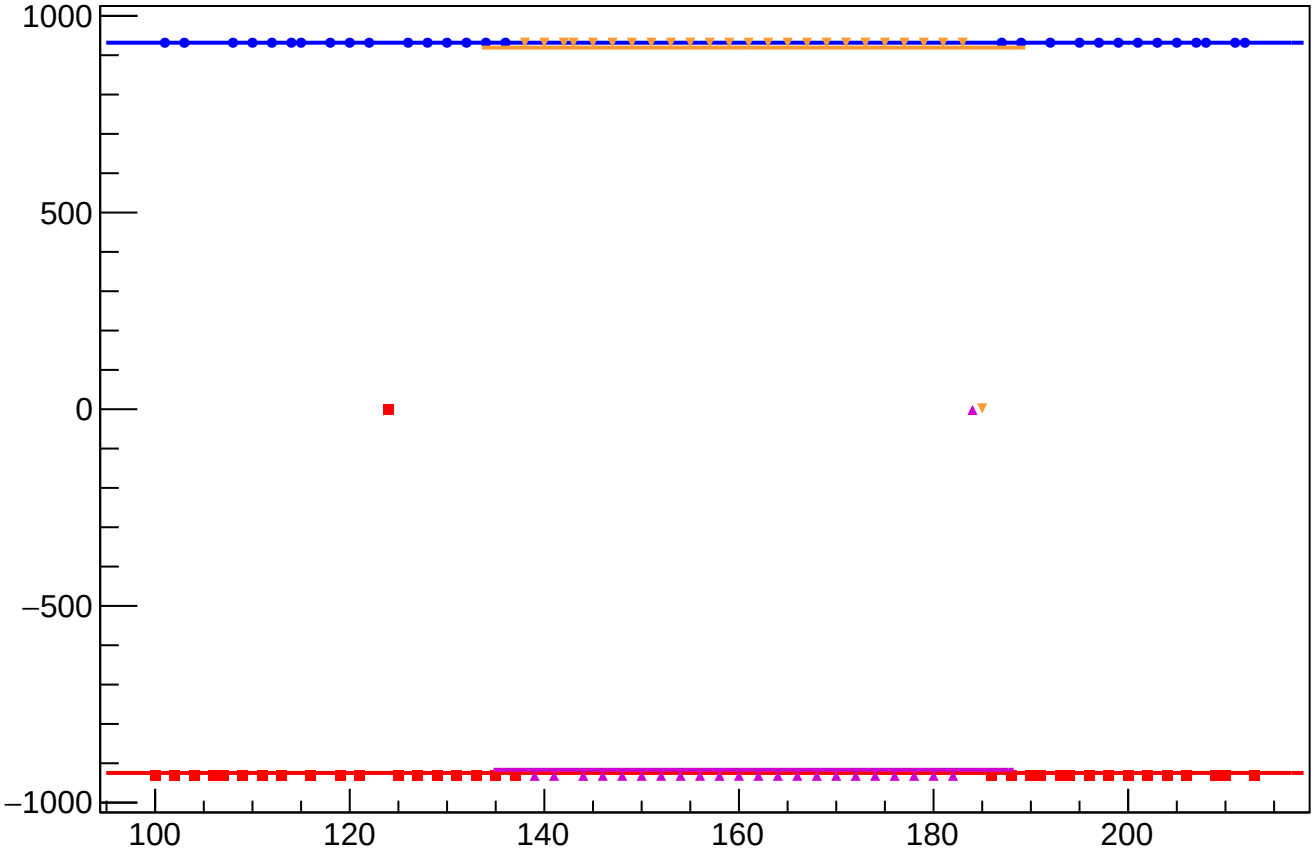
Right: -0.000+/-0.000 χ^2/NDF: 3277755385335822

In: -0.000+/-0.000 χ^2/NDF:323961890243901595

Out: 0.000+/-0.000 χ^2/NDF:348920159437168366

All: -0.000+/-0.000 χ^2/NDF: 6732928040562

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.778+/-0.000 χ^2/NDF: 340731682348390072434992716185 6.0/28

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

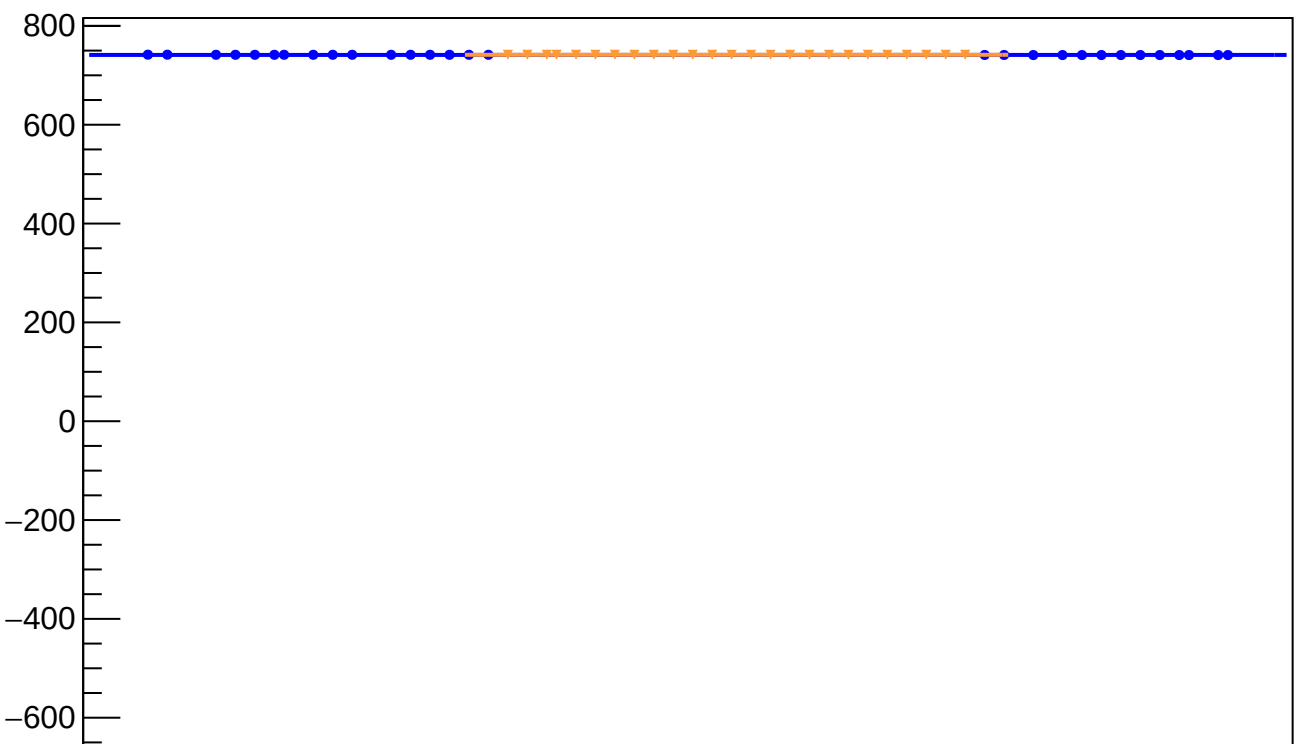
Left: 27.548+/-0.000 χ^2/NDF: 335355180821936 32

Right: -38.398+/-0.000 χ^2/NDF: 32259718758874 8

In: -22.995+/-0.000 χ^2/NDF:317483305217914 42

Out: 12.454+/-0.000 χ^2/NDF:341061154091402 70

All: -4.620+/-0.000 χ^2/NDF: 6587848105310



Right In: 741.257+/-0.000 χ^2/NDF: 131211870000703427393381948456960.0/28

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: -741.253+/-0.000 χ^2/NDF: 14139317929638977581820596872 8064.0/33

Left In: -741.513+/-0.000 χ^2/NDF:234703983030085423185895882752.0/22

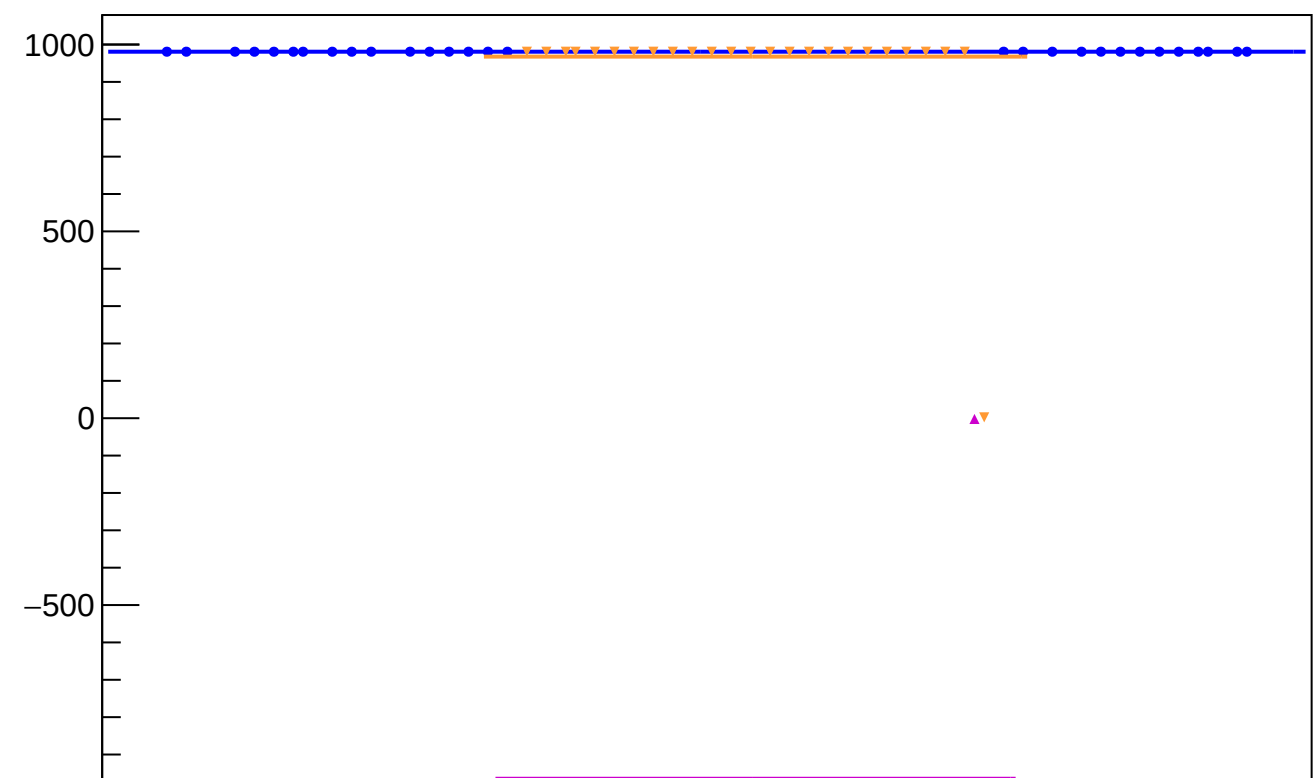
Left: 21.165+/-0.000 χ^2/NDF: 21558191183425632

Right: -33.520+/-0.000 χ^2/NDF: 204912963591412

In: -24.640+/-0.000 χ^2/NDF:20259959771741475

Out: 12.265+/-0.000 χ^2/NDF:21820718306581252

All: -5.510+/-0.000 χ^2/NDF: 4210672833230



Left: 28.991+/-0.000 χ^2/NDF: 3715452335680680

Right In: 980.804+/-0.000 χ^2/NDF: 189569225074544934704586634035 2.0/28

Right: -44.342+/-0.000 χ^2/NDF: 358746587693911

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369 2672.0/24

In: -24.189+/-0.000 χ^2/NDF:3517602302120989

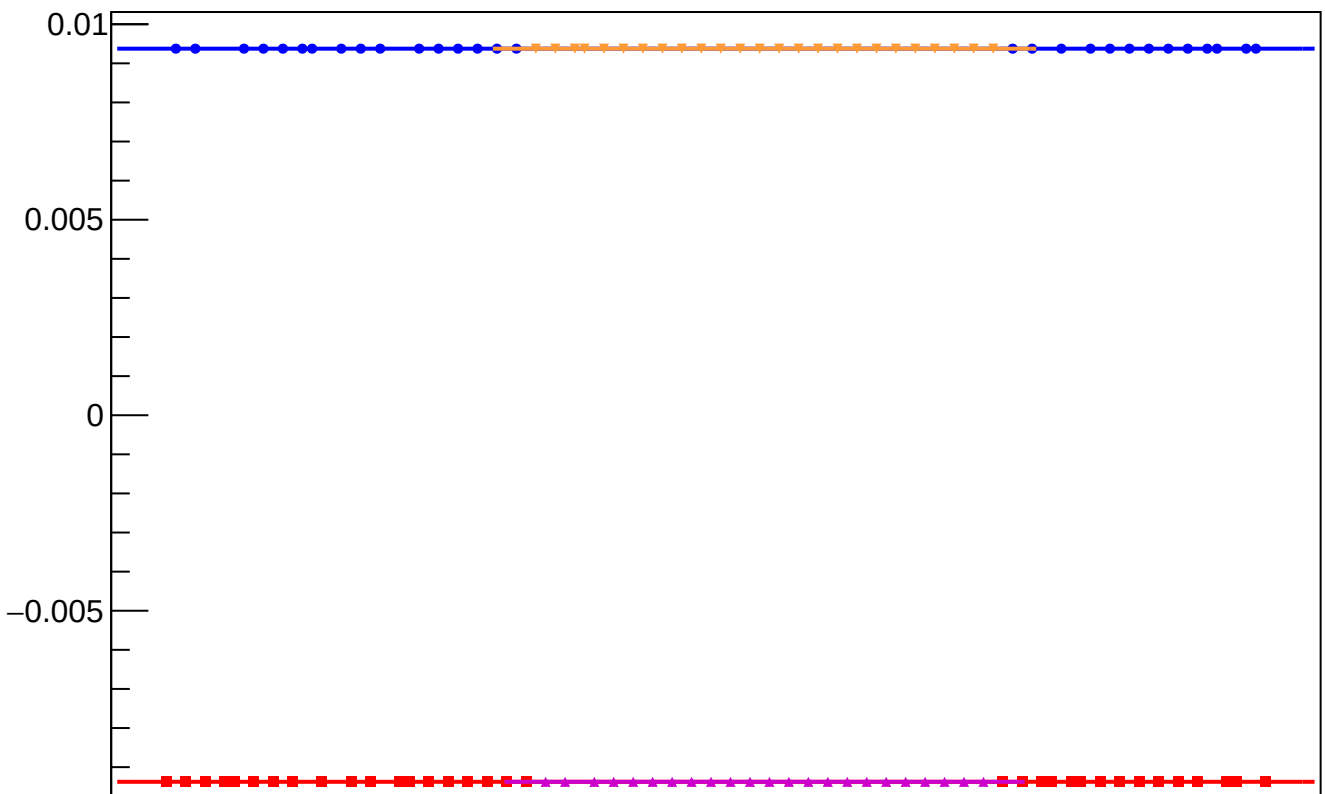
Right Out: -980.779+/-0.000 χ^2/NDF: 6342652922149292448902870466560 0.0/33

Out: 9.395+/-0.000 χ^2/NDF:379345218283750400

Left In: -964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501 6576.0/22

All: -6.781+/-0.000 χ^2/NDF: 7313211788455

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/28

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

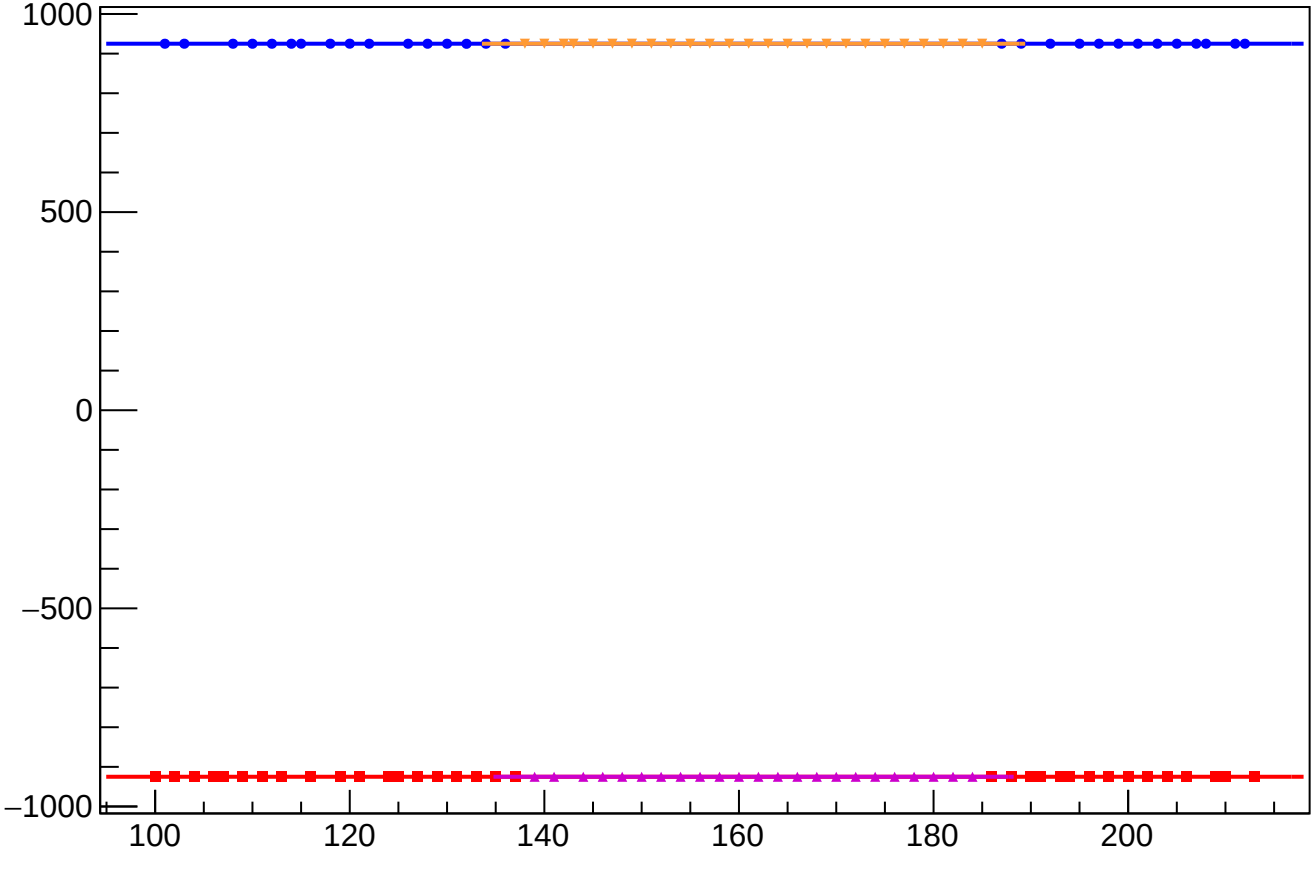
Right: -0.000+/-0.000 χ^2/NDF: 3277755385335822

In: -0.000+/-0.000 χ^2/NDF:323961890243901595

Out: 0.000+/-0.000 χ^2/NDF:348920159437168366

All: -0.000+/-0.000 χ^2/NDF: 6732928040562

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.995+/-0.000 χ^2/NDF: 3749090044239467680330302881792.0/28

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.996+/-0.000 χ^2/NDF: 19854411443177646692396192235552.0/33

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

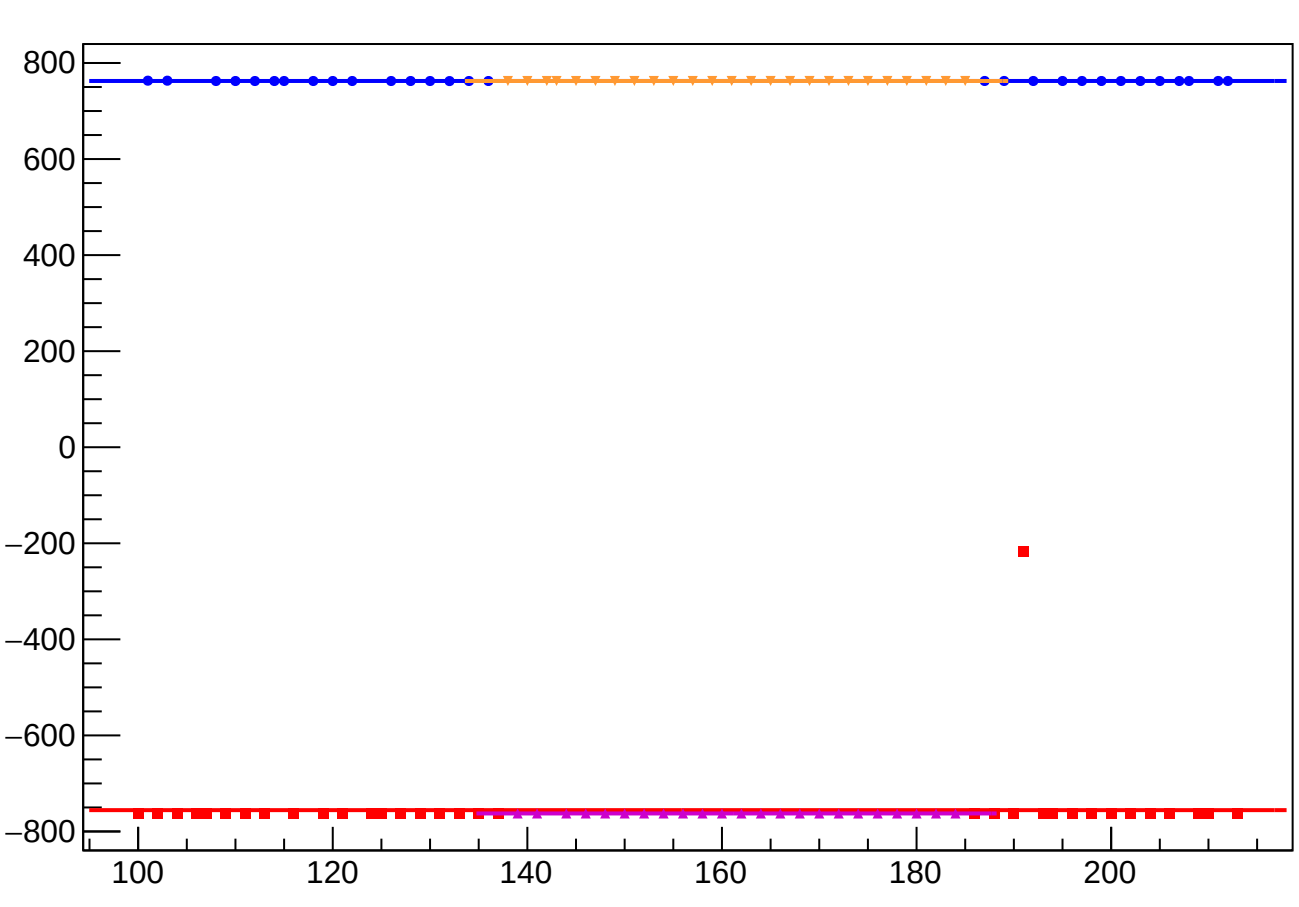
Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

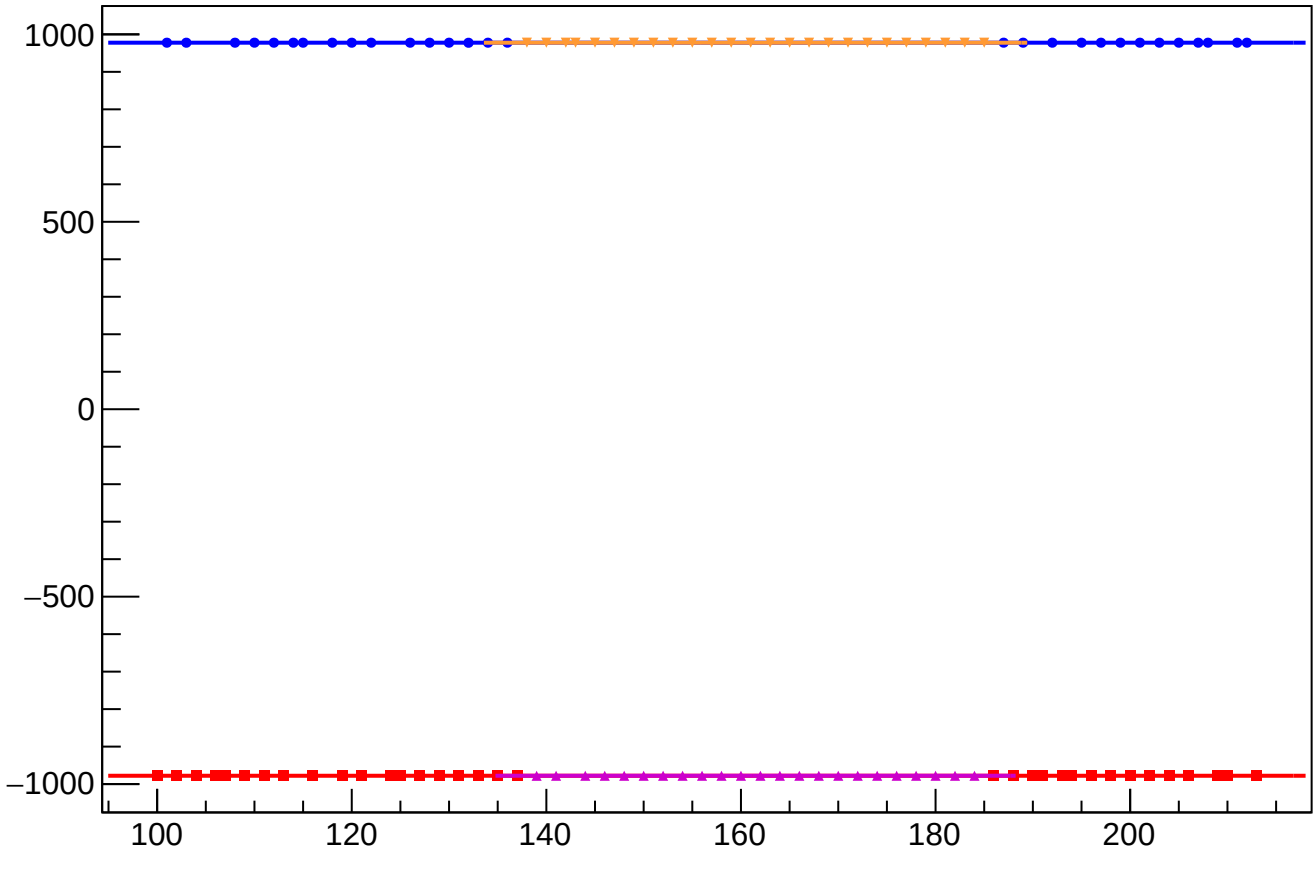
Right: -41.832+/-0.000 χ^2/NDF: 3190902537161901

In: -30.576+/-0.000 χ^2/NDF:31537306374400179

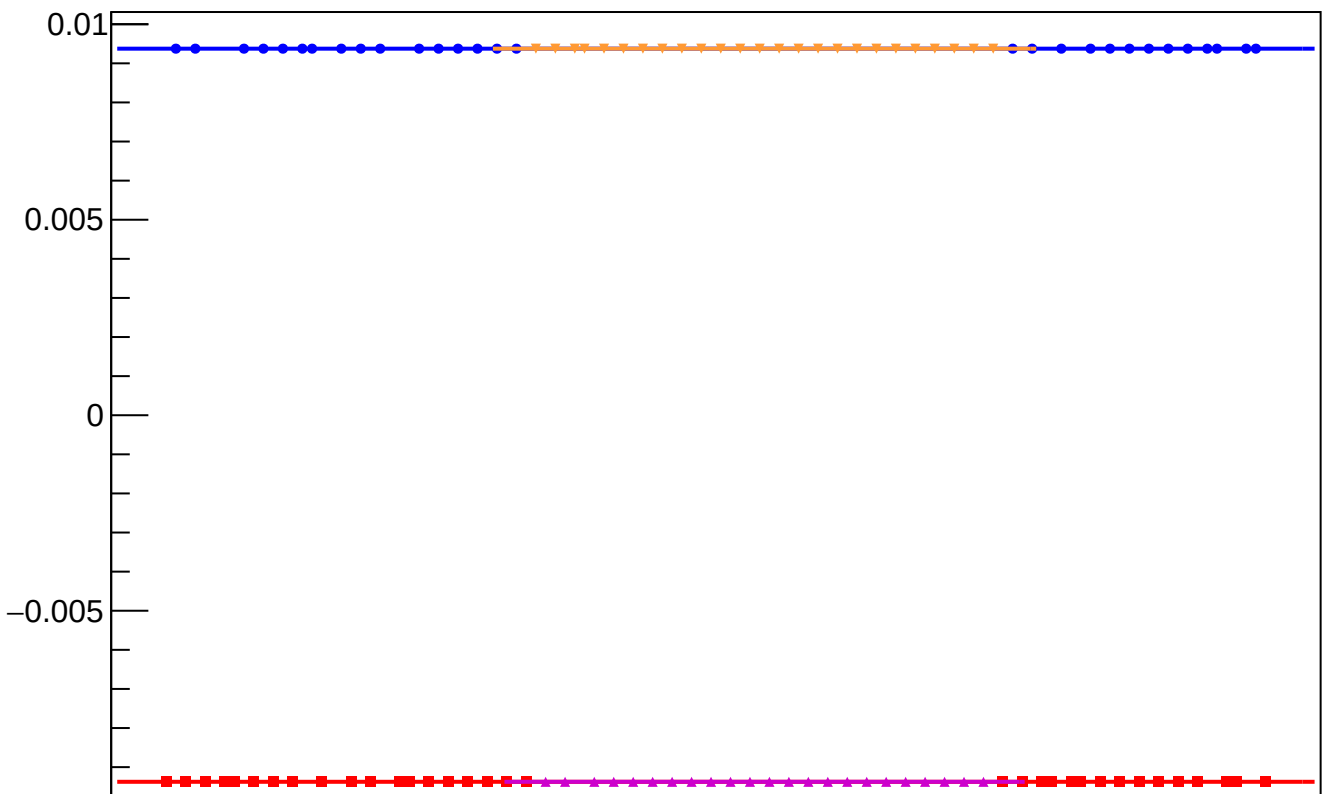
Out: 15.134+/-0.000 χ^2/NDF:3396702325580067

All: -6.883+/-0.000 χ^2/NDF: 6554429394315


HacR_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: 762.567+/-0.000 χ²/NDF: 554148505797704693642330856488896.0/28
Left Out: 762.518+/-0.000 χ²/NDF:767703709161817083348479115264.0/24
Right Out: -755.591+/-0.000 χ²/NDF: 7344181242626248421268235447082942464.0/33
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 21.764+/-0.000 χ²/NDF: 22796901664040585
Right: -30.840+/-0.000 χ²/NDF: 215620556846852
In: -25.187+/-0.000 χ²/NDF:21432862451321279
Out: 15.888+/-0.000 χ²/NDF:22946791352049477
All: -3.896+/-0.000 χ²/NDF: 4441192402207


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 977.760+/-0.000 χ²/NDF: 22234793668677666797384126955520/28
Left Out: 977.738+/-0.000 χ²/NDF:1178407872566336572325000904704.0/24
Right Out: -977.758+/-0.000 χ²/NDF: 2862573103418433026441355460608.0/33
Left In: -977.735+/-0.000 χ²/NDF:109676643760541725462707254067 2.0/22
Left: 27.908+/-0.000 χ²/NDF: 37481642757083146
Right: -44.216+/-0.000 χ²/NDF: 3565313202856595
In: -32.314+/-0.000 χ²/NDF:35237499667879609
Out: 15.994+/-0.000 χ²/NDF:37952209360436983
All: -7.274+/-0.000 χ²/NDF: 7323434509248

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/28

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

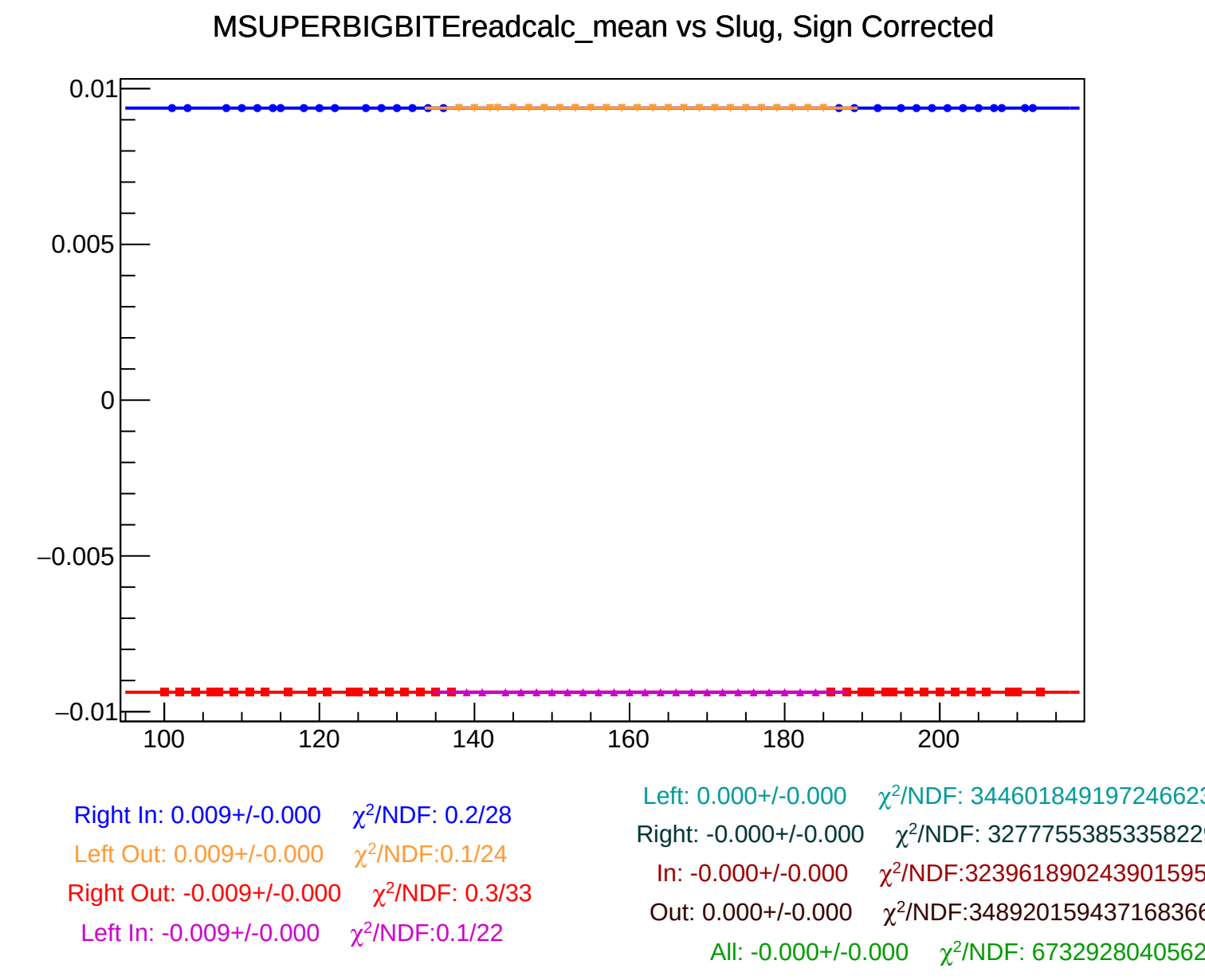
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 3277755385335822

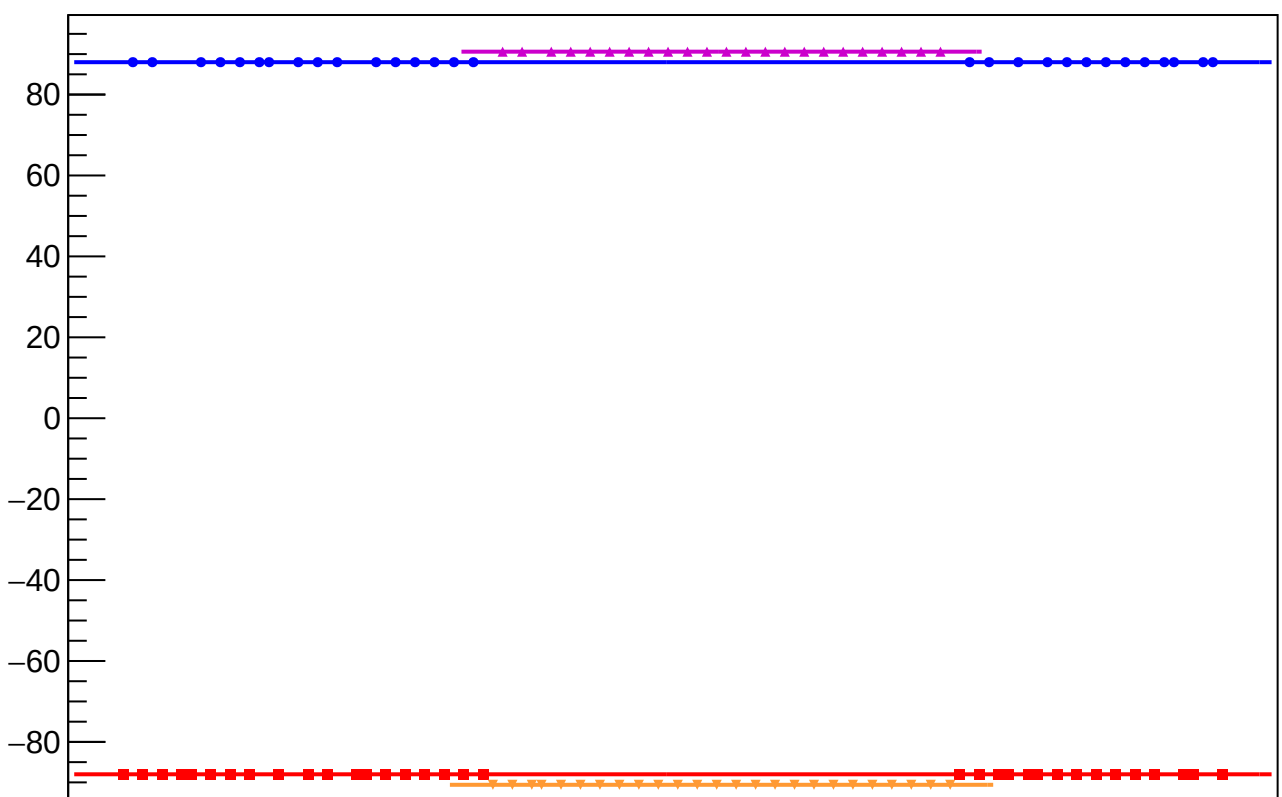
In: -0.000+/-0.000 χ^2/NDF:323961890243901595

Out: 0.000+/-0.000 χ^2/NDF:348920159437168366

All: -0.000+/-0.000 χ^2/NDF: 6732928040562


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 0.2/28
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.3/33
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 34460184919724662
Right: -0.000+/-0.000 χ²/NDF: 3277755385335822
In: -0.000+/-0.000 χ²/NDF:32396189024390159
Out: 0.000+/-0.000 χ²/NDF:34892015943716836
All: -0.000+/-0.000 χ²/NDF: 6732928040562

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 6247879.3/28

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 766253755216240358485529722880.0/33

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

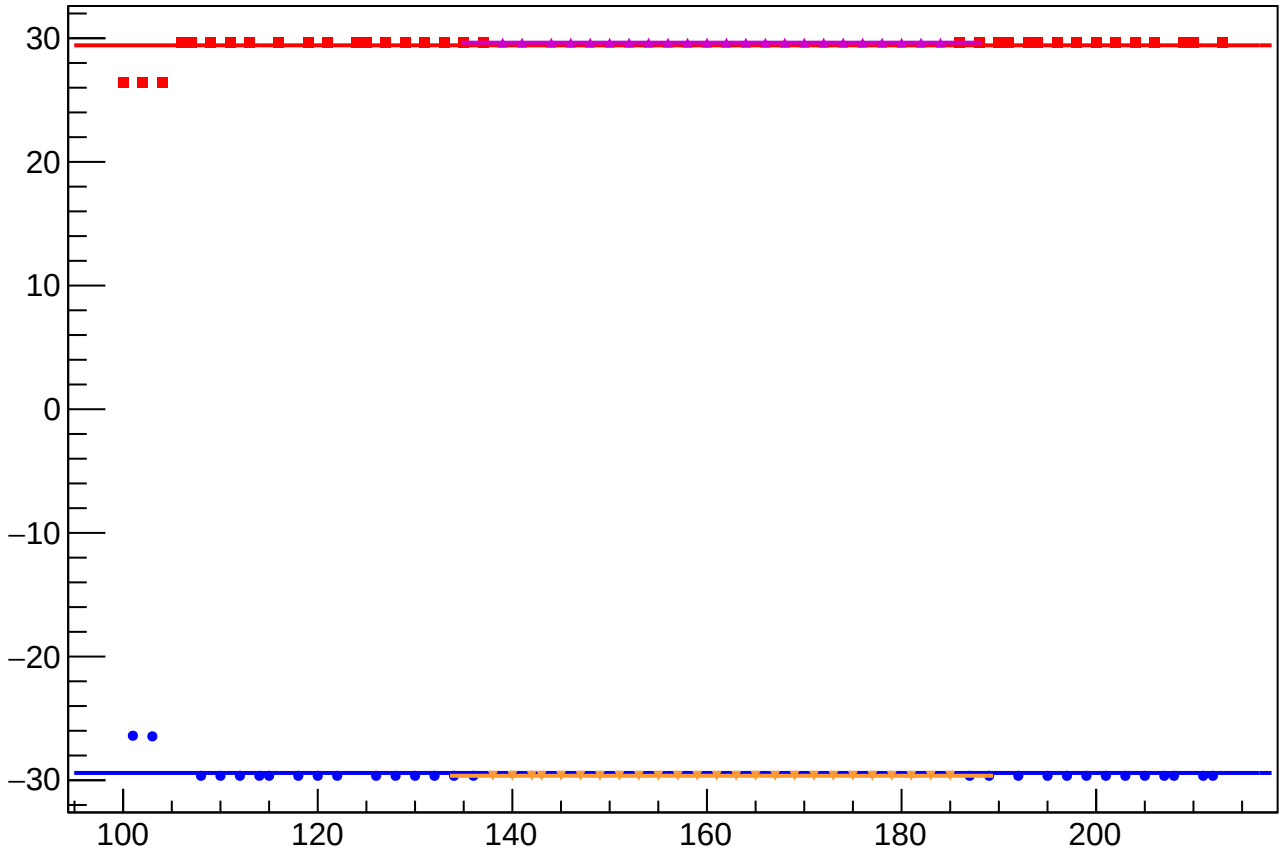
Right: -3.980+/-0.000 χ^2/NDF: 28880950690652111

In: 89.343+/-0.000 χ^2/NDF:622546623639579390

Out: -89.322+/-0.000 χ^2/NDF:6696565751364315

All: -3.266+/-0.000 χ^2/NDF: 6106753716904

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.410+/-0.000 χ^2/NDF: 1227956274311339217695805169205248.0/28

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.427+/-0.000 χ^2/NDF: 1264743107834101604959870580162560.0/33

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

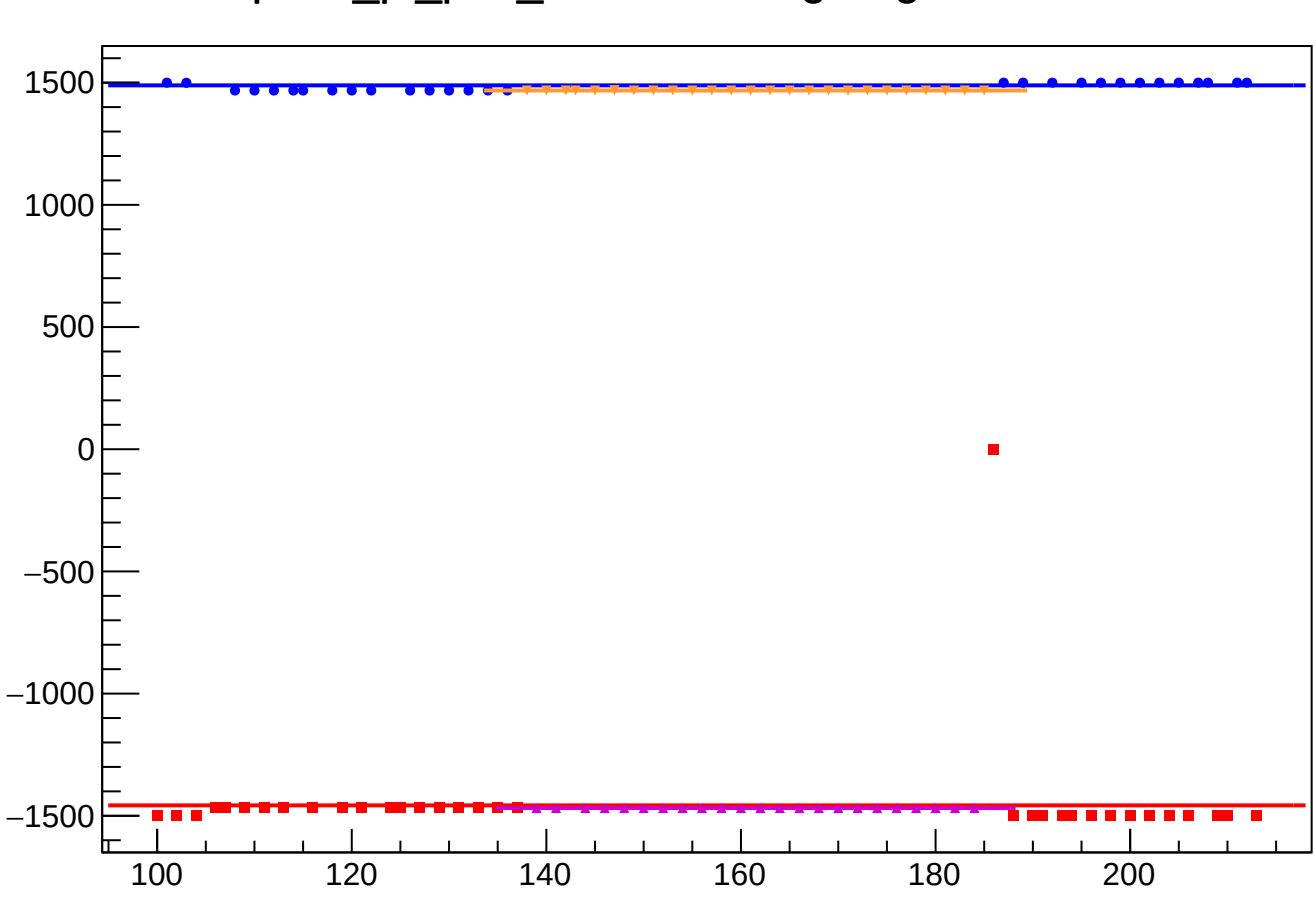
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 1.339+/-0.000 χ^2/NDF: 32300302151308533

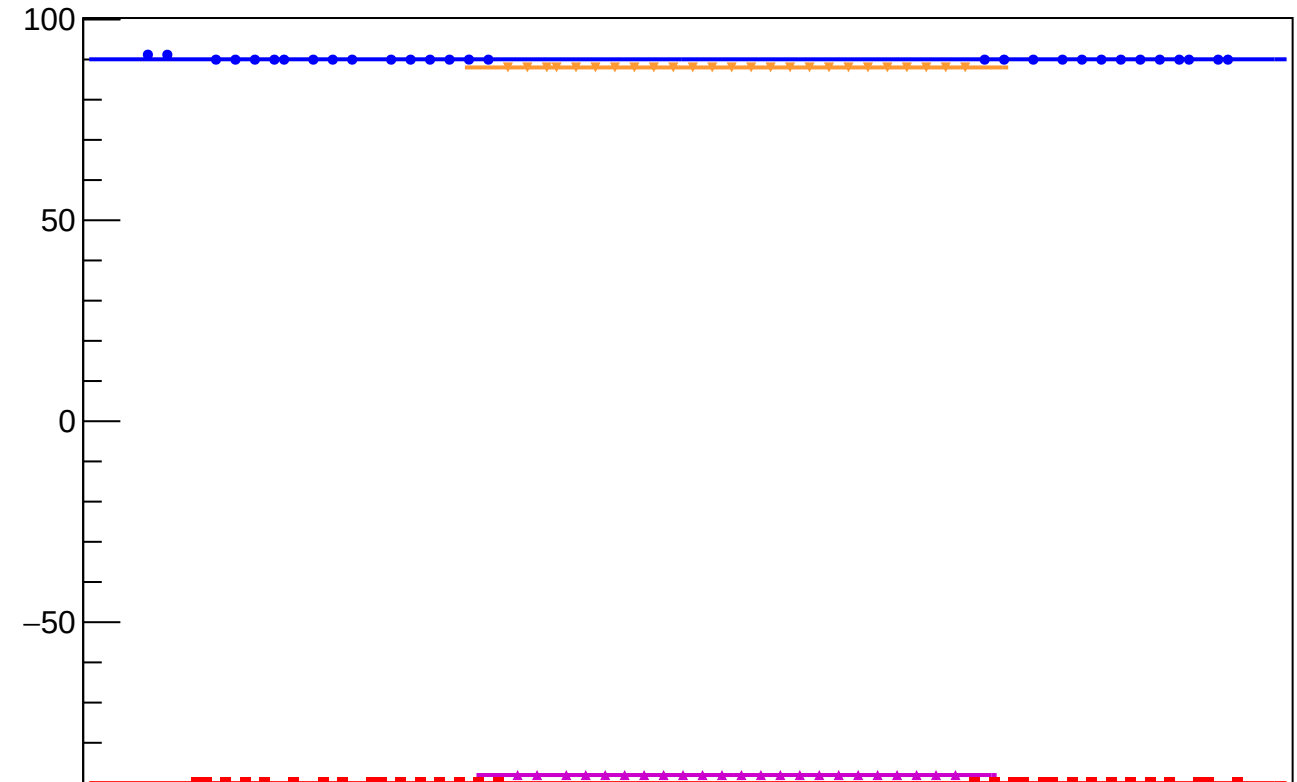
In: 1.092+/-0.000 χ^2/NDF:321446159368359059

Out: -0.590+/-0.000 χ^2/NDF:34639991632797193

All: 0.220+/-0.000 χ^2/NDF: 6683871528498


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Left: 41.929+/-0.000 χ²/NDF: 84496793302930950
Right In: 1488.980+/-0.000 χ²/NDF: 411886437651938985612407873120239616.0/28
Right: -50.805+/-0.000 χ²/NDF: 8185502316173663
Left Out: 1468.051+/-0.000 χ²/NDF:139558223587677068165594208010240.0/24
In: -38.389+/-0.000 χ²/NDF:80576507099737767
Right Out: -1457.348+/-0.000 χ²/NDF: 915959501565299641383480478583299768 32.0/33
Out: 29.294+/-0.000 χ²/NDF:85852298293435899
Left In: -1467.994+/-0.000 χ²/NDF:155493808986096753755224539136.0/22
All: -3.306+/-0.000 χ²/NDF: 1665164245091

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.048+/-0.000 χ^2/NDF: 1797502405415995781787155473367040/28

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.041+/-0.000 χ^2/NDF: 1852489142857406545983255473029120/33

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238480

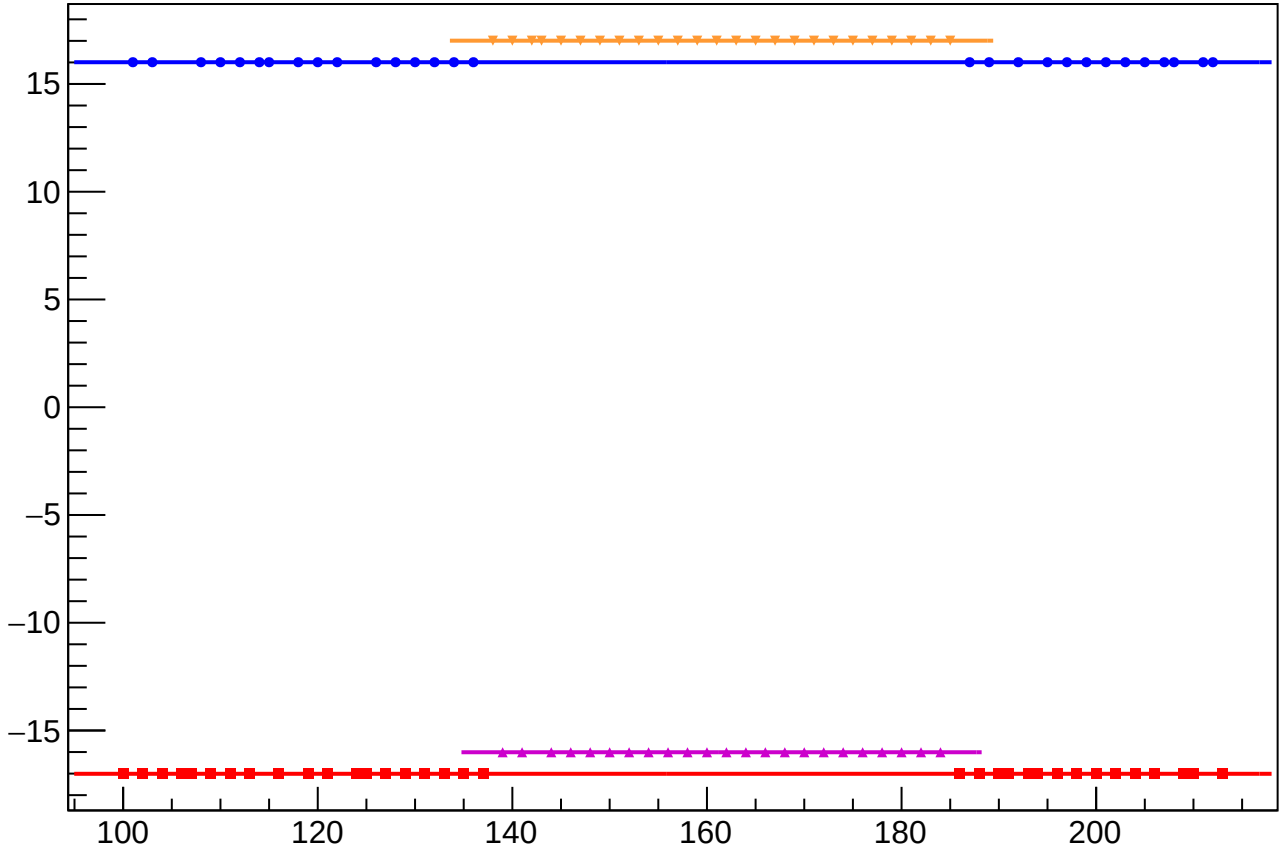
Right: -4.069+/-0.000 χ^2/NDF: 302380922606203

In: -1.930+/-0.000 χ^2/NDF:292192487411089844

Out: 0.447+/-0.000 χ^2/NDF:31467924852663564

All: -0.698+/-0.000 χ^2/NDF: 6069798156859

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 1066522165887029896806 40.0/28

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525 76.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 211235477509399811729653 76.0/33

Left In: -16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

Left: 0.967+/-0.000 χ^2/NDF: 991588108006867686

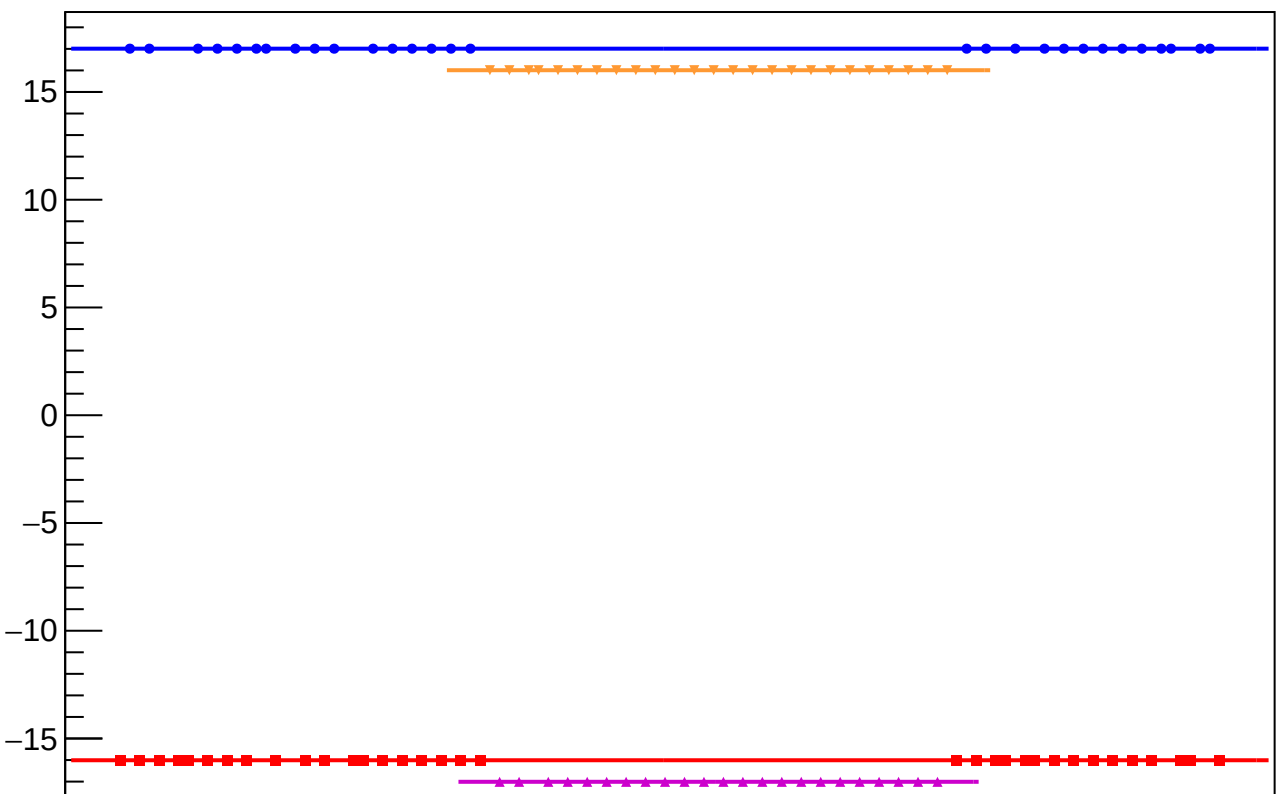
Right: -1.128+/-0.000 χ^2/NDF: 98741009843652888

In: -0.109+/-0.000 χ^2/NDF:900596297105605599

Out: -0.050+/-0.000 χ^2/NDF:10863707356547065

All: -0.079+/-0.000 χ^2/NDF: 1986973458972

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 10666820614263128509644 8.0/28

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:11100710442088156626944 0.0/22

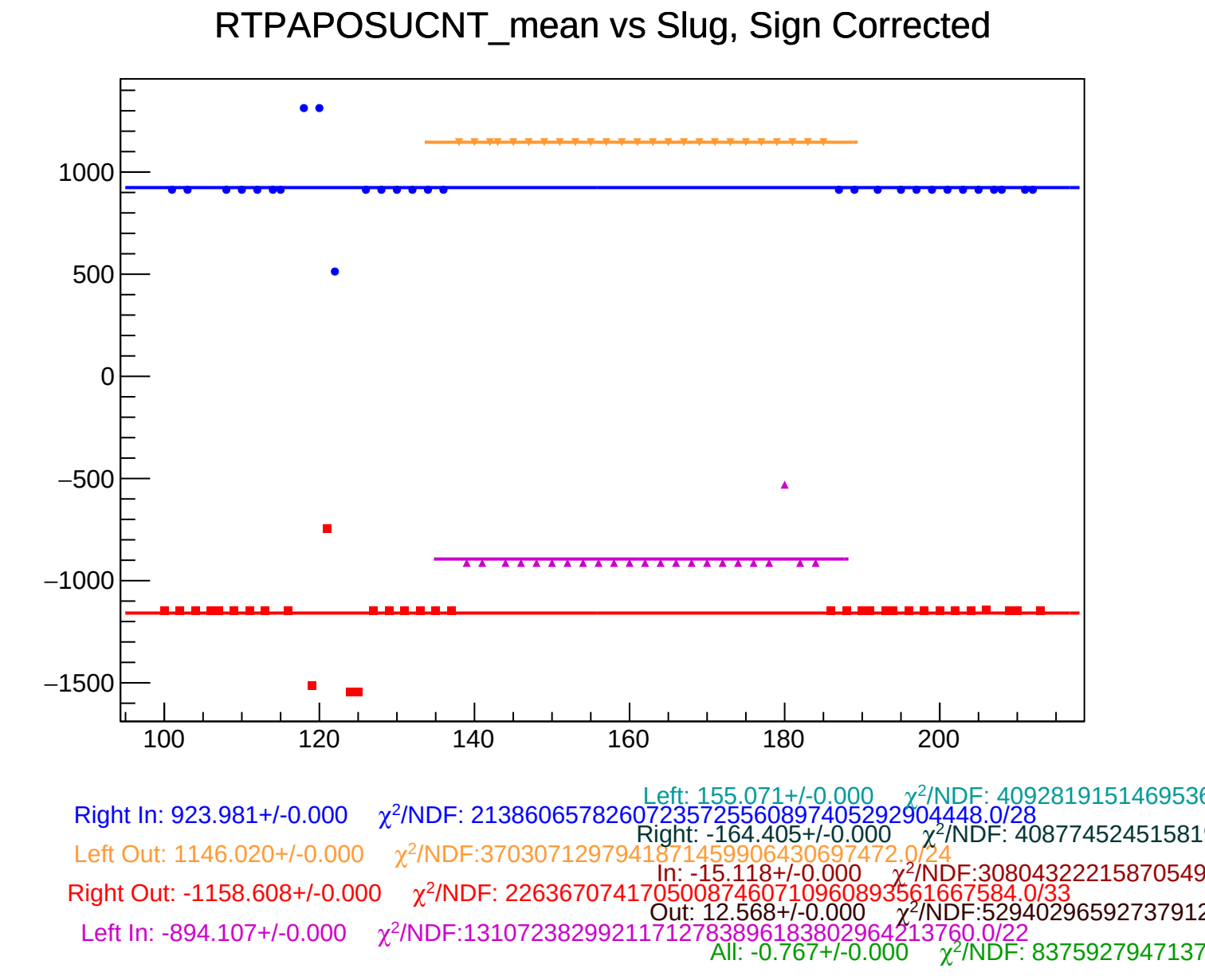
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: -0.388+/-0.000 χ^2/NDF: 10052793104721181

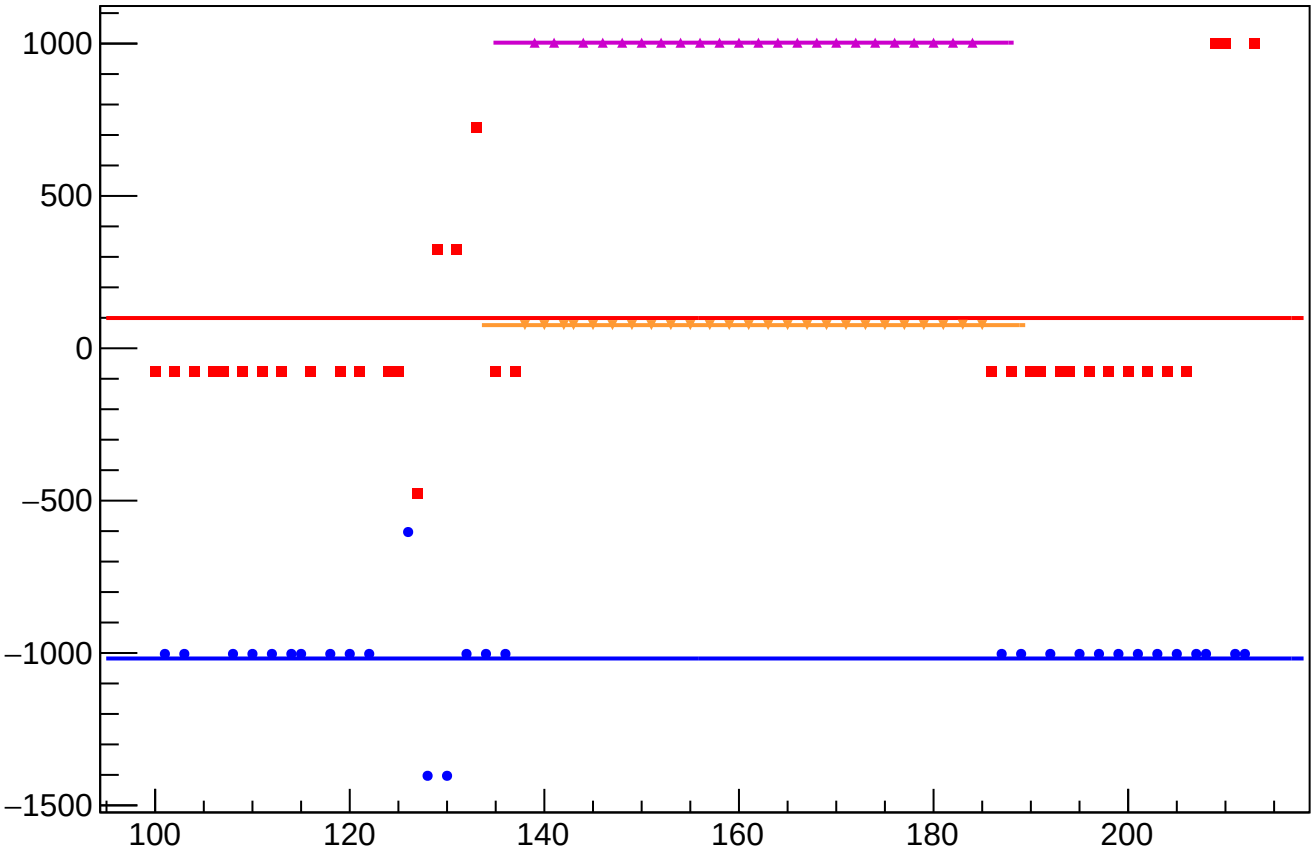
In: -0.518+/-0.000 χ^2/NDF:104347105312706665

Out: 0.175+/-0.000 χ^2/NDF:10099578525911827 6

All: -0.157+/-0.000 χ^2/NDF: 2054333662091


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 923.981+/-0.000 χ²/NDF: 213860657826072357255608974052929044480/28
Left Out: 1146.020+/-0.000 χ²/NDF:3703071297941871459906430697472.0/24
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: -164.405+/-0.000 χ²/NDF: 40877452451581
In: -15.118+/-0.000 χ²/NDF:30804322215870549
Out: 12.568+/-0.000 χ²/NDF:52940296592737912
All: -0.767+/-0.000 χ²/NDF: 8375927947137

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1018.011+/-0.000 χ^2/NDF: 234370856403980908842657487484476350464.0/28

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048O.0/24

Right Out: 99.307+/-0.000 χ^2/NDF: 303167395998756129143883134171890057216.0/33

Left In: 1002.990+/-0.000 χ^2/NDF:29519559033483147530972692480.0/22

Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

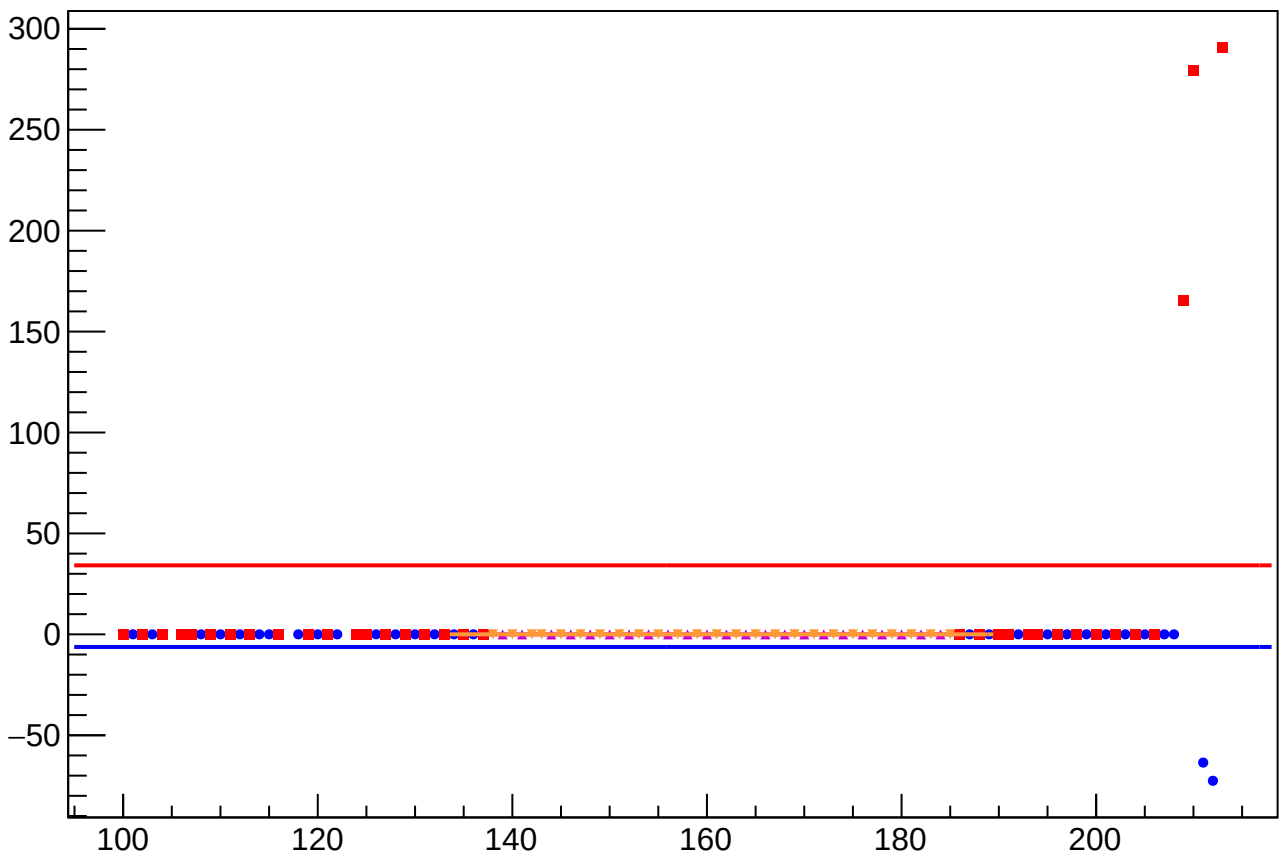
Right: -434.088+/-0.000 χ^2/NDF: 149053676876413

In: 25.899+/-0.000 χ^2/NDF:378721918598533046

Out: 87.489+/-0.000 χ^2/NDF:30370417270771887

All: 57.824+/-0.000 χ^2/NDF: 4098178916587

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: -6.247+/-0.000 χ^2/NDF: 693021968634920500199082994629083136.0/28

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 34.184+/-0.000 χ^2/NDF: 150286470836922686442784851455031377792.0/33

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466231

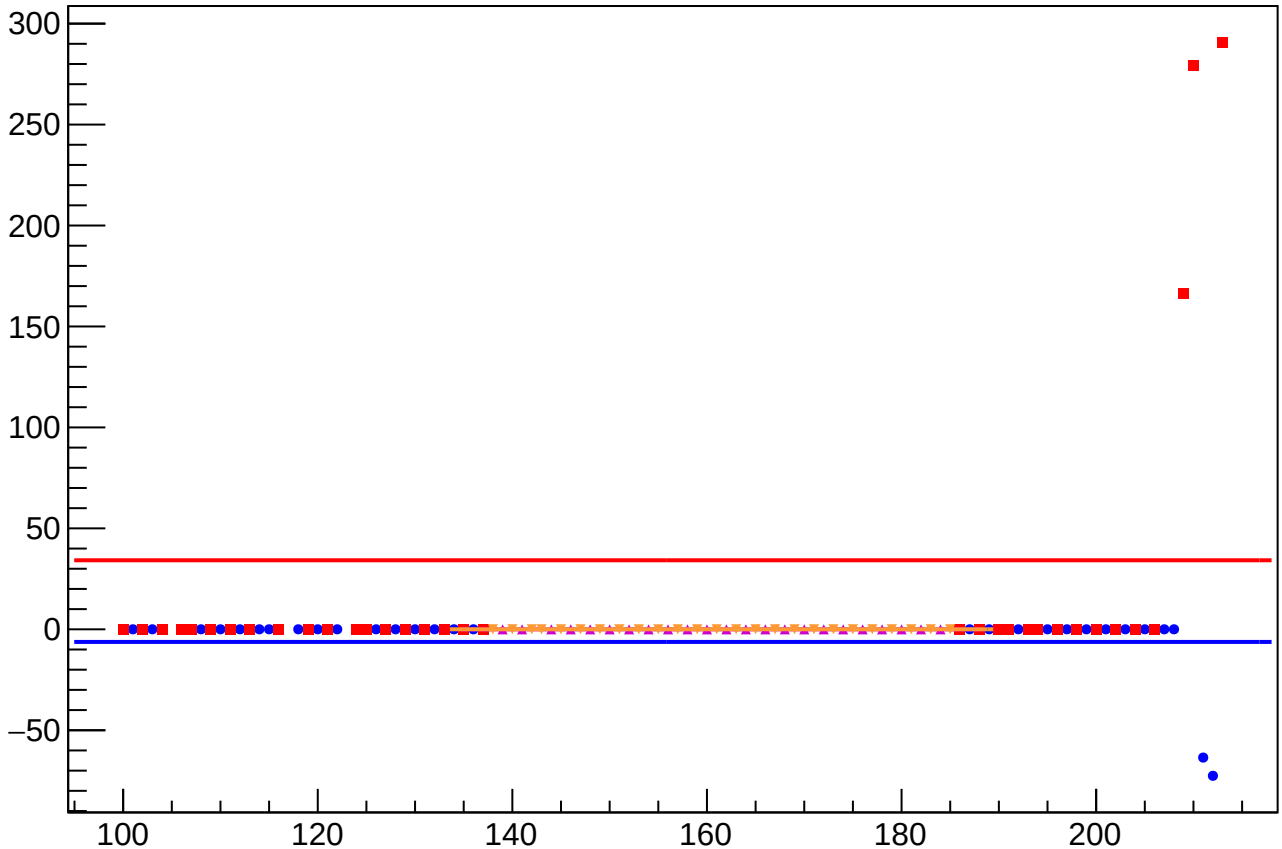
Right: 14.883+/-0.000 χ^2/NDF: 1724572144509664

In: -3.025+/-0.000 χ^2/NDF:728870159346373331

Out: 16.817+/-0.000 χ^2/NDF:16187794962684116

All: 7.260+/-0.000 χ^2/NDF: 17669693841130

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: -6.247+/-0.000 χ^2/NDF: 693021968634920500199082994629083136.0/28

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: 3446018491972466231

Right: 14.889+/-0.000 χ^2/NDF: 1724621270157051

In: -3.025+/-0.000 χ^2/NDF:728870159346373331

Out: 16.822+/-0.000 χ^2/NDF:16188205358608415

All: 7.263+/-0.000 χ^2/NDF: 17670503895893